Faculty of Science & Engineering

Radio Performance Testing for Disaster Communication

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Declaration

I declare that this thesis does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any university, and that to the best of my knowledge it does not contain any materials previously published or written by another person except where due reference is made in the text.

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10th June, 2016

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List of Abbreviations and Units

ITU	International Telecommunication Union
ADSL	Asymmetric Digital Subscriber line
MANET	Mobile Ad-hoc Network
IETF	Internet Engineering Task Force
WMS	Wireless Mesh Network
BATMAN	Better approach to Mobile ad-hoc network
LOS	line of sight
NLOS	Non line of sight
RSSI	Received Signal Strength Indicator
d	Distance
dB	Decibel
dBm	Decibel milliwatt
dBi	Decibels relative to an isotropic radiator
λ	Wavelength of the Radio Frequency
FSPL	Free space path loss
EIRP	Maximum Effective isotropically radiated power
NF	Noise floor
UHF	Ultra High Frequency
IEEE	Institute of Electrical and Electronics Engineers
AP	Access point
ISM	Industrial, Scientific and Medical radio band
RF	Radio Frequency
F	Frequency
C	Speed of light in vacuum ($3x10^{8}ms^{)}$
Tx power	Transmitted power
Rx power	Received power
Km	Kilometer
Kbps	Kilo Bit Per Second
WLAN	Wireless local area network
LNA	Low Noise Amplifier

Abstract

Establishing a quick, safe and reliable communication system is very important during a disaster, as having prompt communication available with relief workers can save the lives of many people in such situations. It is also one of the key requirements of a disaster management system. In this project we have evaluated the performance of two available off-the-shelf UHF radios, the RFD900 and RFD900+, which can be used in a Wi-Fi mesh environment to establish communication systems in case of a disaster. The performance of the radios was evaluated on Brighton Beach for various power levels, distances and data rates. A laptop connected to the radios was used for the experiment. The antenna was mounted at ground level at a height of 0.5 metres from the ground for these tests. The performance showed the feasibility of good quality communication up to a distance of 3 km for the RFD900+ radio. The performance comparison between the RFD900 and RFD900+ showed that the RFD900+ provides a better performance, making it more suitable for use in disaster recovery communications.

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I. Chapter 1: Introduction

Disaster communication plays a vital role in a disaster management system. During a period of natural or human-made disasters, sharing information among the officials and workers involved in the recovery system expedites the crisis management system. For smooth recovery management, total community involvement is needed. Community resources including the technology centres of communities, community wireless networks, second generation social network technologies such as blogs and wikis might be accumulated to address the events of the disaster. Effective communication and coordination are the key aspects of disaster management (Shankar 2008).

Crisis communication is an emerging tool to address the events which are associated with accidents, natural disasters or anthropogenic disasters. In a post-disaster management, confusions and uncertainties can be created through breakdown of communication between the emergency service workers and the other stakeholders. It is critical to make communication as an integral part of the disaster management processes (Palttala et al. 2012).

Figure 1.Shows the effect of natural disaster in the in Tacloban City(Gilkey 2013)

A. Section 1.1: Impacts of disasters on the communication networks

Communication systems are largely affected by the natural disasters such as earthquake, flood, hurricane, volcanic eruption and landslide. Specifically, the natural disasters disrupt the communication system by destroying the traditional telecommunication, mobile, and internet infrastructure (Bostian 2013). Consequently, in emergency situation, rescue works can be

hampered due to inadequate information sharing (Shankar 2008). For instance, while Chile faced a strong earthquake of magnitude 8.8 in 2010, the communication system including mobile networks was completely collapsed which led to a communication failure (Eiselt & Marianov 2012).

A recent study states that Australia faced more than 160 natural disasters including storms, floods, and bushfires which caused damage to the communication networks and impeded the communication system of the emergency workers (Freeman & Hancock 2016). Another evidence shows that communication infrastructures are especially vulnerable to devastating disasters (Gregory et al. 2014)

Figure 2.Mobile tower crushed due to natural disaster in North Adams(Thurst 2014)

It is much agreeable that the impacts of disasters on the communication networks like tsunami and Hurricane Katrina cause public criticism against the governmental organisations to address the communication issues in managing rescue works (Palttala et al. 2012).

B. Section 1.2: Experience from the recent disasters

Natural disasters are progressing in an increasing trend because of climate change factors. Statistical data from the World Bank explicitly reveals that more than 780,000 people were killed and 2,000 million people were the victims of the disasters over the last decade, which cost US$ 960,000 million. In a recent memory, a devastating earthquake followed by Tsunami hit Japan in

2011 financial year, which claimed 19,000 lives and damaged the properties estimated as US$ 210 billion (ITU 2013).

The recent disasters such as Hurricane Katrina provided a good lesson regarding information sharing in mitigating disaster and recovery(Shankar 2008). Mostly in the post-disaster management process, Mobile Ad-hoc Network was used in the communication system to communicate required information. Study shows that this type of Mobile Ad-hoc Network is vulnerable in many ways which may lead it to a failure communication system. Failure of mobile network had a serious impact on the post-disaster management processes (Channa & Ahmed 2011).

During the natural or human-made disasters, the emergency services usually face some critical barriers including sharing of information to adapt with the uncertainties. Effective and efficient information coordination can remove other barriers as well. In most of the cases, a number of crisis management teams is formed with different members from a number of public and private organisations and the mass-media (Channa & Ahmed 2011). The teams need to communicate each other instantly for effective crisis management.

Evidence shows that successful operation of saving lives and properties depends on the quality of communication network. It also shows that Ad -hoc Mobile Network is vulnerable to harmful threats and has less potential to provide a reliable and robust communication system. Channa and Ahmed (2011) stress the need for a new communication system that can perform a range of designated functions in any dynamic environment (Channa & Ahmed 2011).

From the experience of the recent disasters, the demand of light, speedy, and efficient technology is growing. The stakeholders of the disaster management system expect a technology which is community –friendly and independent of internet and conventional mobile and telephone structures. In relation to the expectations, research is ongoing for the development of new generation communication technology to share information uninterruptedly in addressing the post disaster recovery activities. This new generation technology includes easy-interfacing, and mobile computing. In addition to that, a sustainable integration of community informatics is a demand of necessity to address the issues of emergency management during the post-disaster recovery process (Shankar 2008).

C. Section 1.3: Challenges of Communication

Communication challenges are critical factors in the field of disaster management process. These challenges might be technological, sociological, and organisational. It is essential to develop an expected communication system between the first responders and workers involved in disaster management process. Security and trustworthiness are two key concerning aspects while sharing and disseminating information during the period of disasters. In addition to that, lack of authentic information may create panic such as fear, stress, and anxieties which may decrease the physical and mental strength to fight against the impacts of disasters (Manoj & Baker 2007).

In most of the cases, communication link may be completely or partially damaged by disasters. In the post-disaster period, relief workers and other stakeholders face serious problems in their rescue and relief works due to the lack of information. For instance, how much effective help needed to save lives and properties is one of the major concerning aspects. Effective and efficient disaster communication system can play a positive role through conveying the flow of crucial information which is critical for providing assistance to the relief workers and the victims (ITU 2013).

D. Section 1.4: Existing Technologies and Performance Limitations

Currently, social network which is internet dependent, allows public to inform the emergency situation and seek help from the government and non-government organisations (Shneiderman & Preece 2007) .The internet based technologies have many limitations including its dependency on the regular power supply network, functional equipment as well as reliability of the communication system. The other concerns about the internet based technologies are content's validity and trustworthiness as well as security of information and privacy of the users (Shankar 2008).

To establish an effective and efficient coordination system, it needs to choose a new generation communication technology for engaging, informing, and mobilising the disaster recovery concerned personnel and the networks of citizens (Shankar 2008).

E. Section 1.4: Rationale for Establishing Disaster Communication System

It is evident from the above background study of disaster management in relation to disaster communication system, a new generation, self-organised, infrastructure-independent, safe, secure, and resilient communication with long range means is needed to be chosen. Hence, performance test of recently adopted technology with RFD900+ is required to analyses its behavior.

F. Section 1.5: Aims and Objectives of the Project:

1. 1.5.1 Vision of the project:

The vision of the project is to protect human rights of disaster affected people through applying a safe and continuous communication system, which will provide the emergency workers and rescuers with opportunity to save the victims' lives and assets.

2. 1.5.2 Mission of the project:

The mission of the project is to test the performance of the RFD900+ and RFD900 modem radios. The key deliverables including performance analysis and a detailed report with recommendations will be submitted on or before 11 June 2016 to the research supervisor Dr. Paul Gardner-Stephen of the Flinders University, Adelaide, Australia.

3. 1.5.3 Objectives of the project:

The key objectives can be enumerated as follows:

1. Conduct a performance test of RFD 900 and RFD 900+ with Wi-Fi mesh and several Mesh and several Mesh Extender platform.
2. Gather field data from various scenarios. Changing the power value between 0 and 27 dBm, the data rate as well as the covering range in the urban environment of Adelaide (in Brighton beach to achieve LOS between two radios).
3. Compare and contrast the findings with respect to two UHF packet radio such as RFD 900 and RFD 900+.
4. Provide recommendations regarding the overall suitability about the two radio kits RFD 900 and RFD 900+ from the interpretation of the results.

4. 1.5.4 Scope of the Project:

The scopes of the project are limited to:

- Expose the relationship between disaster communications system and disaster/emergency management processes.
- Testing the performance of RFD 900+ radio and compare it with RFD 900 radio.
- Provide some recommendations and future research directions in relation to the Serval Mesh Extender concept.

II. Chapter 2: Literature Review

To justify the objectives of this research project in line with the vision and mission of the project, it is needed to review the currently available scholarly articles and other sources. Finding the research gaps, a problem has been formulated with research questions to review the literatures. This project has reviewed a number of scholarly articles and relevant credible sources to provide a novel recommendations for the researchers and the users.

A. Section 2.1: Formulation of Problem and Research Questions

In the context of effective disaster management system, this research project has formulated the following research questions in relation to establish a sustainable radio communication system with the application of Wi-Fi based Serval Mesh Extender technology:

(1) To what extent is the Serval Mesh Extender with Wi-Fi and RFD900 or RFD 900+ technology suitable for managing post-disaster relief, rescue and recovery activities?
(2) RFDesign claim that the receiver sensitivity of the RFD900+ is better than for the RFD900. Is this in fact the case? If so, what is the difference?

B. Section 2.2 Existing Technologies in the Field of Disaster Management

During the review, a number of communication technologies has been found in the field of disaster emergency management system. The findings are described briefly in accordance with the above research questions in the following subsections:

1. 2.2.1 Mobile Ad-hoc Network (MANET)

Breakdown of normal telecommunication or mobile communication system forced to establish an alternative communication platform such as Mobile Ad-hoc Network (MANET) was established to coordinate disaster recovery missions in the disaster affected areas. MANET is self-organising, self-healing and completely independent of conventional communication infrastructure (Abolhasan & Wright 2008). Ad-hoc networks are also a type of peer-to-peer mobile phone networks. Mobile Ad-hoc Network (MANET) standard was developed by Internet Engineering Task Force (IETF) (IETF 2007) which encouraged the researchers in the development of Mobile Ad-hoc Network technology.

In this system, each user or node can transmit, receive or determine routes between the different nodes across the network with multiple hops (Abolhasan & Wright 2008). Lien, Jang and Tsai (2009) adopted a MANET- based technology to provide a strong support to overcome the emergency situation. The MANET is comprised of Wi-Fi ready notebook PCs which supports P2P (point-to-point) net with no servers, infrastructures and internet facilities. This technology was able to fulfil the requirements of establishing emergency communication through VoIP, Push-to Talk, Instant Messaging, and Mobile Social Network by constructing a multi-hop Ad-hoc Network with wireless intranet and P2P net technology. The system has additional options to support satellite communication and Internet subject to their availability. In this system, each node is able to convey message to its adjacent nodes. It has been observed that availability of compatible notebook PCs with 802.11 WLAN ability made this system successful. However, availability of power system to run the MANET-based communication system is a great challenge in the disaster affected areas. Experimental results show that the transmission signal quality of the mobile network connection is lower than that of the fixed networks as the wireless radio signals are weather dependent. Apart from this drawback, this system has some specific limitations including limited bandwidth which restricts to group voice communication with full-duplex conversational mode (Lien, Jang & Tsai 2009).

Mehrotra, Znati & Thompson (2008) identified two key constraints of MANET- one is the traffic congestions due to a huge number of responders in conveying emergency related information and the other one is security related threats from exchanging information. It is necessary to apply more efficient broadcast techniques which may reduce the redundancy of broadcasts and control the problem of broadcast storm for the well-functioning of an Ad-hoc Network (Tseng et al. 2002). To remove the barrier of traffic congestions, and fault of the network, Ibrahim and Ahmed (2011) adopted a reliable routing scheme to find the shortest possible routes with all reliable nodes. In a recent study (Ranganathan 2014), it was revealed that MANET-based system is constrained by cost and power consumptions as the advanced Mobile Ad-hoc Network is constituted with intelligent sensors, laptops, PDAs and other mobile devices. It was also argued in favour of lightweight and simplicity of the phone-MANET platform as its deployment is usually based on the resource constraints. Adopting lightweight technique could maintain the limitations of bandwidth and computational overhead in the lowest range (Ranganathan 2014). Hence,

MANET needs to be improved by implementing lightweight protocol which confirms the low usage of CPU and longer battery duration (Raman & Chebrolu 2009).

2. 2.2.2Wi Fi Network

The Institute of Electrical and Electronic engineers (IEEE) adopted a new generation Wi-Fi (802.11b) which connects the computers or mobiles within a very short distance (up to 91.5 metres). It has already provided service to a commercially busy environment such as in airport, hotel, universities or any highly dense areas. Furthermore, Wi-Fi is extensively used by the residents of homes or apartments by relying on routers in sharing broadband access or connecting their laptops to the internet. Another type of Wi-Fi is called WiMax includes ADSL and cable which can offer comparatively a long range with the quality of robustness through overcoming the existing challenges (Goggin 2007).

However, the Wi-Fi providers are facing one of the key constraints is to provide the Wi-Fi services to the users in different hotspot due to their different welters (Sylvers 2007). Research shows that Wi-Fi has potential in markets for tourists and business travelers where it is supported by international roaming arrangements (Buddee 2006b).

3. 2.2.3 Wireless Mesh Network (WMS)

Another Network has been found in the literatures is known as Wireless Mesh Network (WMS) which is based on the mesh topology and wireless nodes. In a recent evidence, it was demonstrated that the mesh topology has potential to work against the traffic congestion and physical node damages (Miura et al. 2013). In this network, each node works as an individual router for forwarding packets in favour of interconnected nodes. Evidence suggests that this mesh network technology is comparatively easier to utilise as a communication means in the field of disaster management (Sampaio, Souto & Vasques 2015). A range of projects are ongoing for the development of Wireless Mesh Network and the foundation of this technology is based upon the IEEE802.11 families. However, two key factors such as scalability which specifies the size of the network and topological stability which indicates performance behaviour, have a greater influence on the WMN (Nassereddine, Maach & Bennani 2009).

4. 2.2.4 Serval Mesh Software:

In order to remove the constraints of the Wi-Fi based mobile networks, a pilot project has been built up as the 'Serval Project' which is the pioneer of open source software creating voice and data networks within the mesh-connected mobile phones. The Serval Project was adopted as an open source communication platform to address the Haiti Earthquake of 2010 under the philosophy of "communications anywhere, anytime. " Study suggests that the mesh network is simple in nature with Wi-Fi in AP and client modes and a store-and-forward protocol. Serval Mesh software has some specific characteristics in providing a compelling solution (Gardner-Stephen et al. 2013).

This project constructs an Ad-hoc IP based network with IEEE802.11 wireless technology which is generally known as Wi-Fi, and a MANET operated software. With the basic Serval project, the users are able to transmit and receive phone calls from a few hundred meters ensuring end-to-end voice quality through five intermediate hops (Ranganathan 2014). The Serval project Mesh software helps construct a secure, self-sustained and fully distributed networks which enables people keep continuing communication during the period of disasters (ICIL 2012). This software allows 802.11 devices in Ad-hoc mode to set up communication with the mesh using the BATMAN (Better approach to Mobile ad-hoc network) routing protocol. Furthermore, the Serval Mesh software is suitable for the Village Telco's initial Mesh Potato device which may provide low cost communication platform in the Access Point mode (Adeyeye & Gardner-Stephen 2011). The Serval Mesh software is in the developing mode to maximise the smart-phone's adopted advantageous options including portability, multi-faced user connectivity as well as well-developed communication abilities creating a compelling communication platform in disaster communication system like Ushahidi (Gardner-Stephen et al. 2013).

The smart-phones' full-potential cannot be utilised during the period of crisis and conflict situations due to its absolute dependency on fragile mobile infrastructure and security threats. In its latest initiative, the Serval Project has developed radio communication system such as Wi-Fi radios to utilise smart-phone's cellular radio options without existing cellular infrastructure assistance. The Serval Project implementers believe that resilient disaster communication system is possible if smart-phones can be liberated from its dependency on infrastructure and phone credits. One strong argument is that any individuals are familiar to their personal phone which is

an important factor for the successful handling of their smart-phones in the time of extreme events (Gardner-Stephen et al. 2013)

The available evidence suggests that although smart-phones have three types of radio options including multi-band cellular, Bluetooth, and Wi-Fi radios, Wi-Fi radio is considered the most suitable option to address the disaster communication issues. Wi-Fi covers long distance and offers high data rates compared to Bluetooth. As most of the smart-phones have Wi-Fi Access Point (AP) for allowing the Wi- Fi radio which favours the smartphones to connect individually in a group of smart-phones without any external infrastructure. Smart-phones can share data and information with their counterparts through cycling the Wi-Fi between the AP and client modes and integrating them with store-and- forward protocols (Gardner-Stephen & Palaniswamy 2011). The store-and-forward protocol makes possible in sharing data to others in a variety of scenarios including lack of direct connection among the users, or occasional contact with other users. For resilient disaster communication system, the Serval Project considers some smart-phone based software solution including maps application which provides real geographic position of the users through the mesh. It also considers an option of crisis mapping application that can be interfaced with Ushahidi. In addition, the Serval Project researchers take for granted in securing the applications of text and voice messaging.

It was observed that the Serval project components are now the source of constructing a successful peer-to-peer communication system that can be operated independent of infrastructure as well as offered secure infrastructure independent call setting process. For example, the Freedom Box and OTI/ Commotion are providing the services to some extent (Gardner-Stephen et al. 2013, 2012, Adeyeye and Gardner-Stephen 2011). The Serval Mesh software and related protocols are able to provide compelling solutions regarding text messaging, file sharing, field data collection and security requirements. Utilising a Diffie-Hellman shared –key agreement in ciphering communications between a pair of party and protecting data through checking digital signature for public communication. In particular, the protocol level ensures encrypted communication as a default mode. Unencrypted communication can be done purposefully changing the part of the software program (Gardner-Stephen et al. 2013).

The elementary version of the Serval Mesh software was tested in the Arkaroola Wilderness sanctuary, one of the outback places of Australia. The researchers conducted the experiment on

the signal strength of phone calls in different landscapes like in a distant place, in valleys or on the top of the hills. The result demonstrates that in a distributed network, mesh phone call has ability in replacing ordinary phone numbers without using any centrally controlled database.

Figure 3. Dr. Paul Gardner-Stephen testing RFD900 radio in the remote area at Arkaroola Wilderness(Flinders 2016)

5. 2.5.5 Serval Mesh Extender

The Serval Mesh Extender is now a new concept which can provide transmitting and receiving data over a long distance than what Wi-Fi based mobile networks can do. This new version has incorporated air-droppable UHF packet radio (the RFD900) in addition to Wi-Fi and mesh network principles (Gardner- Stephen2013). The ISM (915 MHz) band with free of costs is used to operate the RFD900 radio (Gardner-Stephen et al. 2013).

In the initial testing, the New Zealand Red Cross found that the Serval Mesh Extender has capacity to establish communication in a range more than 3 kilometers in a rural line of sight. Another test was conducted on the National Mall situated on the bank of the Charles River in Boston in the USA showed that it has capacity to make communication greater the range of 1.3 kilometers (Gardner- Stephen2013). In addition to that, some challenging environment in relation to radio communication such as in a multi-storied hotel room, subway stations were chosen to find a smooth communication range of the Serval Mesh Extender platform. The results endorse that it was possible to establish communication in the challenging radio environment within 200 to 300 meters (Gardner- Stephen2013). It was also concluded that the improvement of the range with a Mesh Extender can have potential covering hundreds of people in a typical urban

environment which exceeds the expectations from the Wi-Fi Mesh devices which can cover only less than ten people (Gardner- Stephen2013).

An underground test was also carried out to observe multi-path fade effects related to effective link budget. It also provided the behavior of Wi-Fi mesh in a scenario of underground environment. In the above ground test, a traffic-hazard free road was chosen in a suburb. The maximum range of communication was 165m between the two HTC Dream Phones. On the other hand, the maximum range of communication in a cave was measured at 42m where the signal strength was in normal. This test also revealed that the physical structure and the construction materials of cave such as the lime stone absorbed a greater portion of the incidental signal and as a result, it decreased the multi-path potential of the transmitting signal.

2nd underground test was carried out in a 6 m wide abundant railway tunnel in Adelaide hill area. The maximum range was measured at 90m which was greater than the theoretical calculation. The factors including shape of the concrete floor and size of the bricks which constituted walls and roof influenced the results. Absorption of the signal was not likely because of the quality of the surface roughness. The quality of surface roughness was not equivalent to the ideal condition. It was concluded that the quality of Wi-Fi propagation underground might be unexpectedly better.

The results conclude that in spite of using UHF radio and repeaters, a number of communication black spots hampered smooth communication. Hence, it is evident from the review of existing literature that radio performance is a critically important factor in maintaining disaster communication smoothly and efficiently.RFD900+ concept is in the progress to improve the scalability of the system, the quality of the signal strength in supporting multi-hop and point-to-multipoint operation and increase the network range.

6. 2.2.6 Summary of the Findings and Research Gaps:

From the above review, it can be concluded that it needs to verify which radio (either RFD 900 or RFD 900+) will provide better performance with the several Mesh Extender platform for better and improved post-disaster management system. It is established that the research gap is lack of performance test of newly adopted RFD 900+ in respect to RFD900. This project will conduct the performance test of newly adopted concept RFD900+ in the different open spaces in South Australia. The results will be discussed and interpreted in line with the previous findings and the future directions.

C. Section 3.4: Radio signal Propagation

Propagation of the radio signals from the transmitter to the receiver is considered to be an important step when we want to design a radio communication system. In many cases, terrestrial radio propagation is affected in the different areas of the atmosphere through which the signals of the radio are propagated. This means that without the effect of the atmosphere, it is impossible for the radio signals to propagate around the world on the short wave band or propagate further than the line of sight with high frequency. Indeed the effect of the atmosphere on the radio communications signals is extremely important for anyone in professional or amateur projects using radio communications, such as two-way radio communications links, mobile radio communications and point-to-point radio communications (Poole , I 2016).

Nowadays, there are many applications in our daily life that require radio frequency signals traveling from the transmitter to the receiver points to be very close to the earth's surface and therefore in the presence of many of the effects on signal quality: for example, pagers, public radio, broadcast television and radio stations. While the radio signals travel from one point to another, these signals can be affected by objects in their way such as buildings and foliage, as well as by the media in which they travel (Seybold 2005).

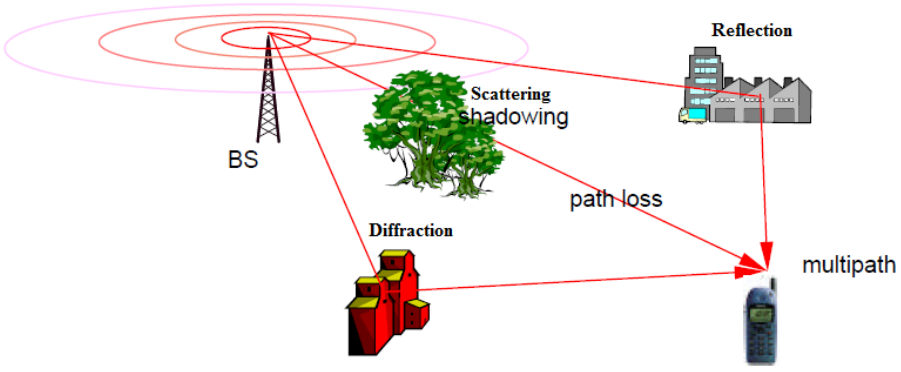


Figure 4. Shows the radio signal propagate between the transmitter and receiver (Mahmood 2012)

Refraction, reflection, and diffraction usually occur when the radio signal propagates from the transmitter to the receiver because of the collision of the transmitted signal with objects on the ground, as can be seen in Figure 4. As a result, the signal quality will be affected because the received signal will be a combination of several signals that have travelled by different paths. Radio signals traveling in a multipath cause delay and distortion in the received signal, therefore it is very important to know the radio separation characteristics to avoid these issues (Parsons &

Parsons 1992). This means that how the radio signal travels is very important to anyone working to design and operate a radio system.

1. Section 3.4.1: Fresnel Zone between two antennas

A Fresnel Zone is defined as an elliptical shape drawn between the transmitter and receiver points. The size of the ellipse is calculated by the parameters of the frequency and the distance between the two antennas. Although there are many Fresnel Zones, only three real zones will affect radio propagation; Zone 1 is considered the strongest location for signal strength, Zone 2 as a weaker area, and Zone 3 as another weaker zone.

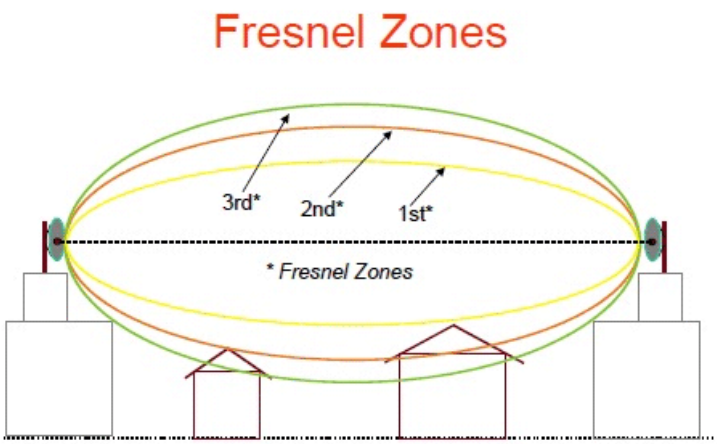


Figure 5. display the three Fresnel Zones between two antennas(Law 2013)

Radio frequency signals can travel between the transmitter and receiver in different ways; in the first way, the signal can travel in a direct wave from transmitter to receiver, called line of sight (LOS). Another way is for the signal to hit the ground and then travel to the receiver (reflected wave) (Henderson 2016). When objects or the ground surface are inside the Fresnel zone, they cause diffraction or reflection. As a result, this action will reduce the power for the signal whereas the 1st Fresnel Zone contains most of the power for the signal wave (Anastasi et al. 2004).

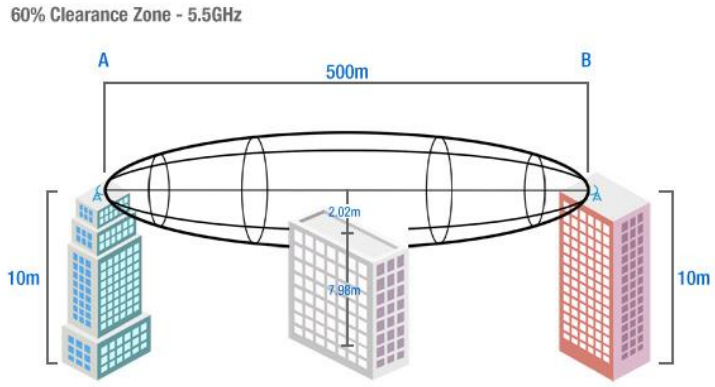


Figure 6. shows the effect of the obstacle in the 1st Fresnel zone and some measurement(4Gon 2016)

The 1st Fresnel Zone has the most effect on the performance of the Wireless Network. This means that the signal frequency will be affected by obstructions as hills, trees and buildings if these obstructions are located in the 1st Fresnel Zone; therefore the received signal will be weakened at the receiver as shown in Figure 6. Theoretically, the 1st Fresnel Zone should always be clear of buildings or any obstructions, but this is usually not practical. It is recommended that the obstruction in the 1st Fresnel Zone be no more than 40%, leaving 60% clear.

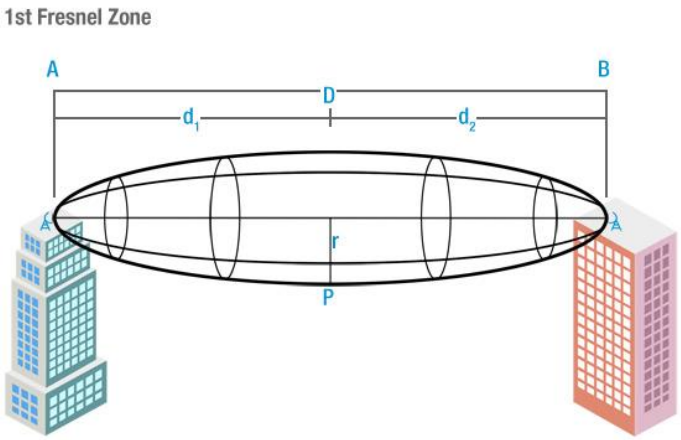


Figure 7. displays how to find the important calculations in the 1st Fresnel zone(4Gon 2016)

In the wireless network the Fresnel Zones between two radios can be calculated by drawing a straight line (LOS) between the transmitter and receiver antennas as can be seen in Figure 7. Then the equation below can be used to calculate the Fresnel Zone radius at any point P in between the transmitter and receiver wireless link (Seybold 2005).

$$h_n = \sqrt{\frac{n\lambda d1 d2}{d1+d2}} \quad (1)$$

Where:

h_n=the radius of the nth Fresnel Zone (m)

λ= the wavelength of the signal frequency.

d1=the distance of Point (P) from Point A (m)

d2=the distance of Point (P) from Point B (m)

Using the above equation, and the transmitter and receiver are placed 3km apart and obstacle is located 500m from the transmitter or receiver we obtain 1st Fresnel zone radius of 12 m and 60% no obstacle radius is 9 m. For obstacle at 1.5km the 1st Fresnel zone radius is 16m and the 60% no obstacle radius is 12 m. Since our measurement were conducted on the beach so we assume that our 1st Fresnel zone radius will not be free from any obstacles in the range of 5m to 30 m and will impact our results to some extent considering our antenna heights.

2. Section 3.4.2: Radio Signal Path loss in communication system

The channel of the wireless radio is considered to be a major challenge in communication systems in the aim to transport the information safely and without loss of information. During the transmission of the signal in the channel, there may be unexpected changes occurring in the signal due to user movement. Also, it is susceptible to many impediments: noise, interference, and the effect of other channels (Goldsmith 2005).

The path of the transmission between the transmitter and the receiver antennas can be clear in a line-of-sight (LOS) path or obstructed due to mountains, buildings, and foliage. These obstructions cause path loss due to multiple reflections and diffractions from those objects, especially in urban areas. This multiple path in the radio signals leads to a decrease in the received signal strength indicator (RSSI) of the waves as the distance (d) increases between the receiver and transmitter. The radio path loss is defined as the difference between the received power and

the transmitted power, accounting for the gain of both antennas. Also, it is measured in dB as a positive value to show the signal attenuation (Rappaport 1996).

For any communication or wireless system, the radio signal path loss is considered to be an important element in design and calculations. In a radio communication system, the transmitter power and the antennas, specifically their height, gain and general location, will be determined by the radio signal path loss. The receiver sensitivity will be affected by the radio path loss as well. Therefore, for any design or calculation you should be able to discover the level of the signal loss and the reasons for the signal loss (Poole, I 2016d).

Dissipation of the power of the transmitter and effects in the propagation channel cause path loss in the radio signal between transmitter and receiver (Goldsmith 2005). Moreover, the signal path loss is caused by several elements such as free-space loss; atmospheric losses due to water vapour absorption, gases and precipitation; fading loss due to the multipath of the transmitted signal; and other environmental factors (Seybold 2005). In the next section, we will focus on the simplest model for signal propagation, which is the free space path loss.

Free space path loss: details and formula

For any wireless communication system, the electromagnetic signals have a specific energy depending on their wavelength (λ). Also, depending on the propagation environments, their ability to travel between the transmitter and receiver will be different. For example, in a free vacuum the electromagnetic wave will propagate free of any effects due to atmosphere or obstructions. The path loss phenomenon in a communication system is called free space path loss (Faruque 2014).

The free space path loss (FSPL) is defined as the loss in the signal strength when the radio signals travel from the transmitter to receiver antennas in a line of sight path (LOS). This means that in the free space path loss there are no obstacles in the transmission path that may cause refracted, reflected or any additional attenuation for the transmitted signals (Poole, I 2016a).

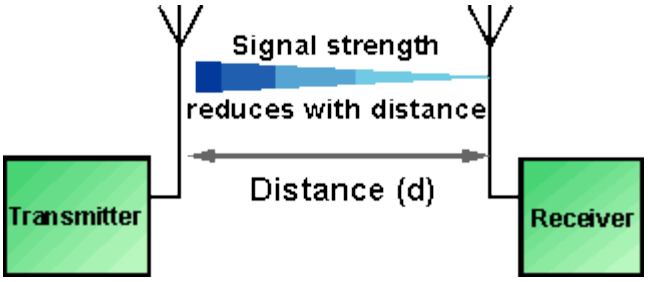


Figure 8.present the relationship between the signal strength and the distance(Poole, I 2016a).

In the wireless network it is extremely important to understand the main reasons for the free space path loss phenomenon between two antennas. The radio signal travels from the transmitter antenna, and then it will pass through a sphere as shown in Figure 8. As a result, when the surface area of the sphere increases, the intensity of the radio signal will decrease (Poole, I 2016a). This means that the signal strength (power density) decreases inversely proportional to the square of the distance (d) from the source of the radio signal in free space as can be shown in the equation below (Goldsmith 2005).

$$\boldsymbol{signal\ strength} \propto \frac{\mathbf{1}}{\boldsymbol{distance^2}} \qquad (5)$$

Equation (5) is not suitable in places that contain objects such as buildings and hills, which affect the spread of the signal in addition to the effect of the sphere. In this situation, the exponent value in the equation above will be increased to 4 or 6 depending on the environment of the radio link. This implies that in a poor environment, the signal power level will fall to a low level over increasing distances (Poole, I 2016a).

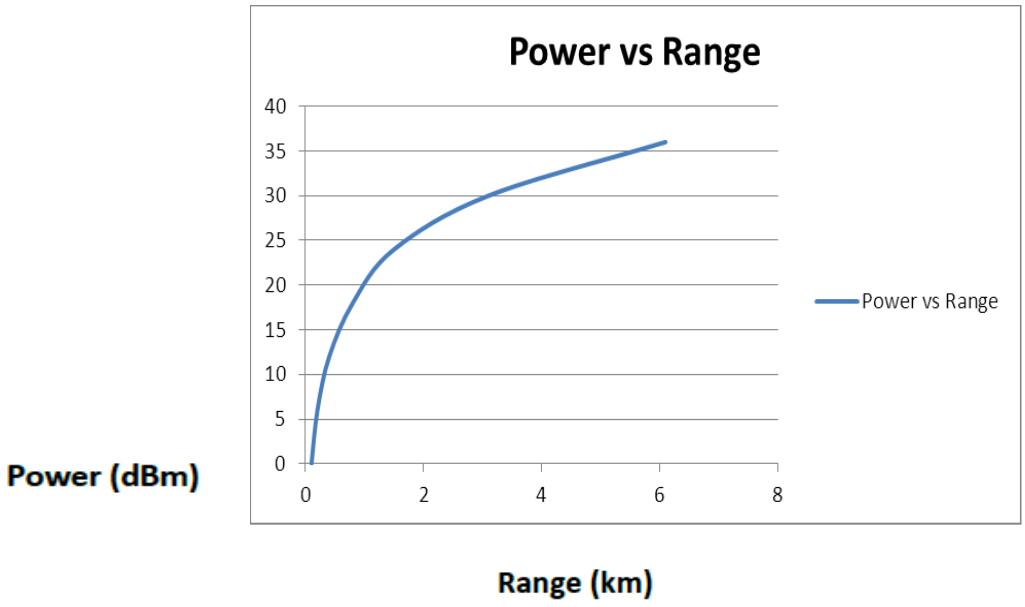


Figure 9. Range distance (km) vs. Output Power (dBm)(Technologies 2012)

According to Figure 9, it should be noted that every increase in output power by 6 dBm results in a doubling of the distance. However, when the distance is doubled, we will receive only one-fourth the power (Technologies 2012).

Free space path loss formula:

$$free\ space\ path\ loss(FSPL) = \left(\frac{4\pi d}{\lambda}\right)^2$$

(6)

OR

$$free\ space\ path\ loss(FSPL) = \left(\frac{4\pi df}{c}\right)^2$$

(7)

Where:

FSPL: the free space path loss

d: is the distance between the receiver and the transmitter in (meters)

λ: is the signal wavelength in (meters)

f: is the frequency of the signal in (Hertz)

c: is the speed of light in a vacuum. (The speed of light is 3 x 10^8 m/s)

The free space path loss equation in decibel units with antenna gain:

Decibel units provide an easy way to compare the signal levels that appear at different points. Therefore, it is very suitable for expressing the free space path loss formula. Figure 10 shows that each transmitter and receiver modem has an antenna and both of these antennas have a specific gain. The gain of the antenna will decrease the loss in the free space or other space theoretically and practically (Poole, I 2016a).

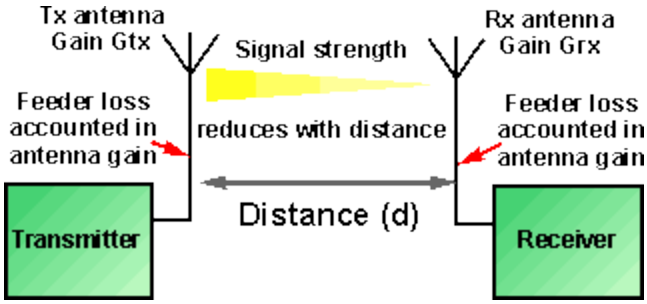


Figure 10. shows the important parameter in the transmitter and receiver to calculate the free space path loss(FSPL)(Poole, I 2016a)

$$\boldsymbol{free\ space\ path\ loss(FSPL)dB = 20\log_{10}(d) + 20\log_{10}(f) + 32.44 - G_{tx} - G_{rx}} \quad \textbf{(8)}$$

Where:

d: is the total distance between the receiver and the transmitter (km)

f: is the frequency of the signal in (MHz)

Gtx: is the gain of the transmitter antenna (dBi)

Grx: is the gain of the receiver antenna (dBi)

Theoretically, we can predict the strength of the radio signal via using the above equation (8) to calculate the free space path loss. In reality, many obstructions may affect the signal strength when it travels from the transmitter to the receiver, depending on the testing location. However, this method is considered to be a good approximation to estimate the signal loss when propagating through free space.

3. Section 3.4.3: Link budget, link margin and noise floor in wireless communication system

In a wireless communication system, a link budget is defined as an accounting of all of the gains and losses in the transmission link through the medium, calculated in decibel milliwatt (dBm) units (Seybold 2005). When designing any wireless communication system, it is extremely important to calculate the link budget. It gives the designer the ability to determine all important factors such as the required antenna gain levels, RF power levels, and receiver sensitivity figures to design a system with high performance (Aichele et al. 2006). However, insufficient planning can lead to bad design and poor wireless system performance (Seybold 2005).

By calculating the link budget, the designer can determine the signal strength level that will arrive at the receiver modem (Poole, I 2016b).

The equation of the link budget in general shown below:

Received power (dBm) = Transmitted power (dBm) + gains (db) - losses (dB) (9)

The link budget equation for a radio wireless communications system look like the following:

$$P_{RX} = P_{TX} + G_{TX} + G_{RX} - L_{TX} - L_P - L_{RX} - L_{FS} \quad (10)$$

Where:

P_{RX}: the mount of received power level in (dBm)

P_{TX}: the amount of transmitted power in (dBm)

G_{TX}: the gain of the transmitter antenna in (dBi)

G_{RX}: the gain of the receiver antenna in (dBi)

L_{TX}: transmit feeder losses (dB)

L_{FS}: free space path loss (dB)

L_P: miscellaneous signal propagation losses (dB)

L_{RX}: receiver feeder loss (dB)

Link margin:

The link margin is found by calculating the difference between the received signal strength and the receiver sensitivity, measured in (dB). It aims to measure the amount of the margin between the current operating point and the point when the radio can no longer operate (Seybold 2005).

The link margin can be obtained by the equation below:

Link margin = Received Signal (dBm) **– Receiver Sensivity** (dBm) (11)

The link margin based on several factors such as the transmitted power, antenna gain, cable loss, type of modulation and the important factors which is path loss. Therefore, to get the appropriate value for link margin we should consider these factors in our design(Seybold 2005).

Theoretical radio range calculation of the RFD 900+ transmitter:

In this section, we will compute the maximum possible RF power of the RFD900+ transmitter for acceptable reception at the receiver. Considering the amplifier is operated with maximum power and we considering unknown losses to be 3 dB the receive signal level for 3 km is calculated as follow.

$$\mathbf{P_{RX} = P_{TX} + G_{TX} + G_{RX} - L_{TX} - L_P - L_{RX} - L_{FS}}$$

$$\mathbf{P_{RX} = 27dBm + 3dBi + 3dBi - 2dB - 3dB - 2dB - 101.2}$$

$$\mathbf{Prx = -75.2\ dBm}$$

where

P_{TX} = 27dBm

G_{TX}= 3 dBi

G_{RX}= 3 dBi

L_{TX}= 2 dB

L_{RX}= 2dB

L_P= 3 dB

L_{FS} (3 km @915MHz)= 101.2 dB

Noise floor:

Nowadays, there is remarkable progress in the world of telecommunications, especially in wireless circuit design, in order to reduce noise. However, these efforts are pointless when there is noise present in a radio receiver in the wireless communication system, which can arise from several factors related to the receiver. This means that the receiver is receiving different unwanted signals (noise) while receiving the main signal. The sum of all the noise from unwanted signals which appear within a system is called the noise floor (Poole, I 2016c).

The noise floor for the receiver can be calculated by using the equation below:

$$\textbf{Noise floor (dBm)} = \textbf{-174} + \textbf{NF} + \textbf{10 log Bandwidth} \quad (13)$$

Where NF is the noise figure.

III. Chapter 3: Terms and Technologies

The terms and technologies described in this chapter are considered a major part of understanding this project. Therefore, the user or the reader should understand these concepts fully and clearly. These concepts are directly linked to the networking and communications technology, which means some users will be familiar with most of them, such as Wi-Fi technology. In contrast, other techniques will be difficult for ordinary users to understand but easy for the professionals in this field, such as radio signal propagation, frequency bands and mesh networks. Therefore, in this chapter, frequency bands, legal power and radio Wi-Fi technology will be explained in detail for full comprehension.

A. Section 3.1: Frequency band and legal power in Australia and other countries

The radio spectrum is divided into nine frequency bands. According to the table below, these bands are specified by increasing whole numbers. Each band has a frequency range that is allocated by the government. Hertz (Hz) is the unit for the frequency band. In this project we will focus on (UHF) which stands for Ultra high frequency**.** As can be seen in Table 1, the UHF band has a frequency range between 300 to 3000 MHz. The radio signals for the UHF band propagate from the transmitters to the receivers by line of sight (LOS). This mean that these signals are

blocked by many obstructions such as large buildings, trees and hills (ITU International Telecommunication Union).

Band number	Symbols	Frequency range (lower limit exclusive, upper limit inclusive)	Correspondingmetric subdivision	Metric abbreviations for the bands
4	VLF	3 to 30 kHz	Myriametric waves	B.Mam
5	LF	30 to 300 kHz	Kilometric waves	B.km
6	MF	300 to 3 000 kHz	Hectometric waves	B.hm
7	HF	3 to 30 MHz	Decametric waves	B.dam
8	VHF	30 to 300 MHz	Metric waves	B.m
9	UHF	300 to 3 000 MHz	Decimetric waves	B.dm
10	SHF	3 to 30 GHz	Centimetric waves	B.cm
11	EHF	30 to 300 GHz	Millimetric waves	B.mm
12		300 to 3 000 GHz	Decimillimetric waves	

***Table 1. The table shows the frequency numbers and frequency range from lower limit exclusive to upper limit inclusive** (ITU international telecommunication union)*

The Serval Mesh Extender uses a UHF packet radio (RFD900) to extend the range of the wireless communication system; this type of radio is operated on the industrial, scientific and medical (ISM) radio band, particularly on 915 MHz. It is considered a license-free band and can be used in Australia, New Zealand, the USA, Canada and several other countries. However, the range of this band is different among those countries depending on their region, as can be seen in Figure 11. The range of the ISM band frequency in Australia is located between 915 MHz to 928 MHz of the UHF spectrum with a maximum EIRP of 1 watt (Gardner-Stephen et al. 2013). In the USA, the ISM band is located between 902 – 928 MHz, with the same centre frequency as Australia at 915 MHz, while in Europe it is located between 433.05 – 434.79 MHz with a centre frequency of 433.92 MHz (Kumar et al. 2011). According to (International Telecommunication Union (ITU), 2012), region (1) includes Europe, Africa, and the Middle East in yellow, region (2) comprises USA, Greenland and the eastern Pacific Islands in blue. Asia, Iran, and most of Oceania such as Australia are covered under region (3) in purple as shown in Figure 11.

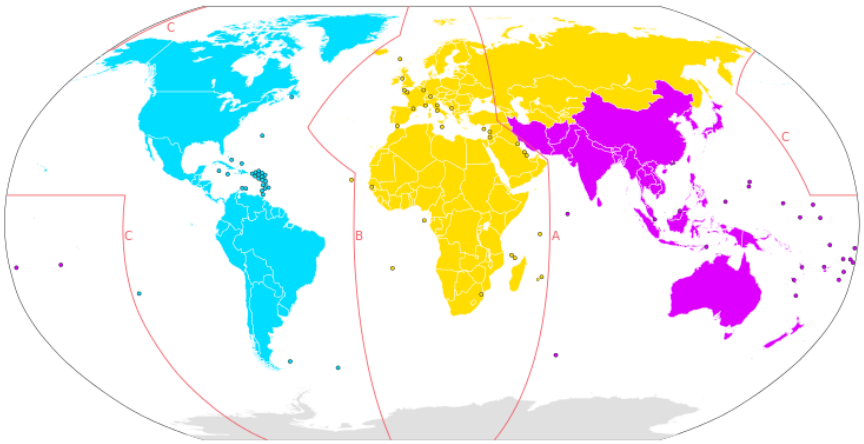


Figure 11. Shows the ITU regions where region1(Yellow) compromise Europe, Africa and Middle East, region 2 (blue)covers US, Greenland and eastern Pacific Islands and region3 (Purple)including Soviet-Union, Asia, Iran and Australia(*(International Telecommunication Union (ITU), 2012****).***

B. Section 3.2: Wi-Fi Technique

Wi-Fi is defined as a wireless local area network (WLAN) that provides Internet connections and high-speed networking via radio waves, according to the Institute of Electrical and Electronics Engineers (IEEE) 802.11 standards (Beal 2010). Using Wi-Fi, electronic devices can be linked with each other without using wires; this technology allows the user to participate in the use of a single device with multiple users on a computer, such as computer devices with a printer. It works in the free license band (ISM) band with 802.11b standard at 2.4 GHz (Lehr & McKnight 2003). WLAN gives the user the ability to get Internet access everywhere via the infrastructure mode, which provides an access point to create the interface between them. Therefore, it can be used in offices, homes, cafés and other places. Although the Wi-Fi can transmit at a high data rate, the maximum transmission range outdoors is 250 m and 100 m indoors, which means it only covers the short range (Chen et al. 2005). Since Wi-Fi technology is most commonly used inside buildings, the effect of the walls is a major cause of interference, depending on the building materials which are used in construction. Some walls cause absorption, reflection or refraction of the radio signal that is transmitted from the access point (Beal 2010). A wireless network has two modes: the infrastructure mode, which is the most widely used, and the ad hoc mode (Chen et al. 2005). These modes will be clarified in detail in the next section.

1. Section 3.2.1: Infrastructure and ad hoc modes

Infrastructure mode is defined as a wireless network that links electronic devices such as computers and mobiles to each other by using an access point (AP). Homes, offices and universities with their routers can support infrastructure mode directly, as these routers are considered to be APs (Mitchell 2014). Therefore, this mode in wireless networks has been used up to the present to provide an interface for the users, so that they can access the Internet via an AP (Chen et al. 2005). Scale, centralised security management and improved reach are considered to be the main advantages of the infrastructure mode compared to the ad hoc mode (Mitchell 2014). Based on Figure 12 (left side) below, the clients are linked with each other by an access point via a router; this is called the infrastructure mode.

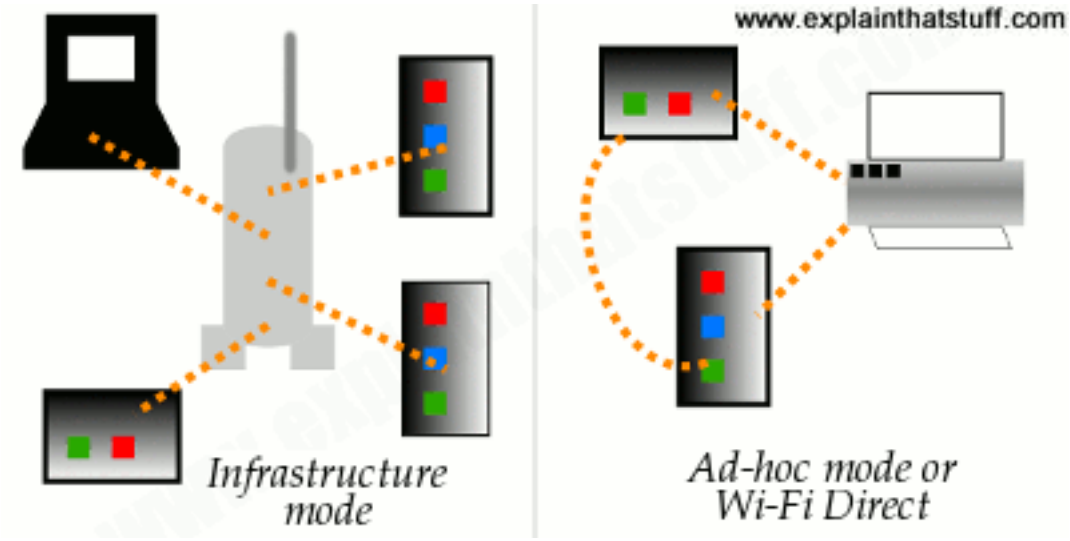


Figure 12. Shows how the clients devices can be connected by infrastructure mode in the left side and how they connected by Ad hoc mode in the right side(Woodford 2016).

According to the IEEE 802.11 standard, an ad hoc mode allows for the device's hosts to connect with each other in a peer-to-peer manner through a wireless network without needing an access point and cables. Connecting devices to each other without needing an access point is one of the most important features of the ad hoc mode; however, it is slower and difficult to set up. Moreover, using this mode is not reliable compared with the infrastructure mode, due to the

devices managing the networking and communicating with each other by themselves without a router to handle any issues arising (Woodford 2016).

IV. Chapter 4: Experimental Set Up

In this chapter, the measurement methods and techniques that are used for investigating the over-the-air performance of the RFD900+ and RFD900 radios will be discussed. Investigating radio transmission performance in an uncontrolled environment in operational mode requires close examination and consideration of several parameters. Methods are discussed for measuring performance over different configurations of the radio modems, while keeping in mind radio parameters like RF power, maintaining an optimal wireless link, performing link budgets and the receiver sensitivity requirements of the device. Moreover, practicalities regarding the packet rate, capturing received throughput, measurement devices and the software packages that are utilised in the measurements are discussed below. This experiment consists of two main parts: software program and hardware components. Each of these has specific tools that are used to carry out this experiment. These two parts will be explained clearly and in detail to show how this project functions as required.

A. Section 4.1: Software used in the experiment

The software program is one of the important parts, as through it the user can configure the hardware settings and obtain a requirement reading and measurement. For example, firmware for RFD900 and Modem Tools is downloaded to adjust the configuration for both the RFD900+ and RFD900 radios through the Tools window. Also, Putty configuration is another program that is used to configure the modem settings and get the required result in the experiment. Lastly, the Mapruler application is downloaded to the user's mobile phone to determine the distance between the two radios. All these software programs will be explained in detail in the next paragraphs.

1. Section 4.1.1: The Firmware for RFD900 and RFD900 Modem Tolls

First, both the abovementioned software programs for the computer can be downloaded from the internet. RFD900 Modem Tools can be used to interface the computer with the RFD900+ Modem in our experiment. By using this tool, the remote and local radio (RFD900+) setting can be configured through adjusting all parameters as required in the datasheet and the experiment. After that, the local radio must be connected to the computer and the remote radio connected to the battery via an FTDI cable. Then, the required COM port must be chosen that is connected

with the modem by Using the COM Port. Next, the Read Settings button should be pressed to check all settings, then the settings updated as required, and then Write Settings should be chosen. In this case the modem will be ready to transmit and receive. The image below shows the RFD900 Modem Tools.

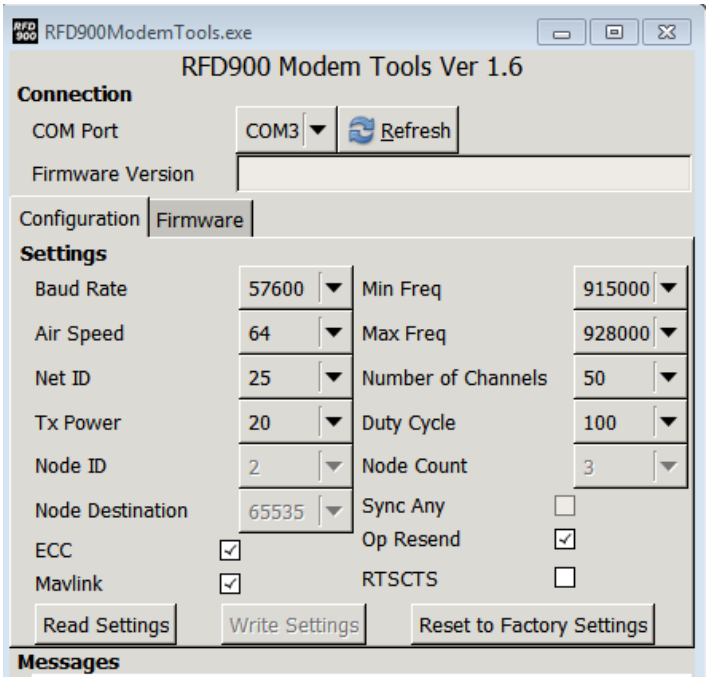


Figure 13. Configuration Tab – Modem Tools

2. Section 4.1.2: Putty configuration:

The Putty Configuration application is downloaded from the internet to make the user's computer ready for the experiment. This program is open source and free, and it can support different network protocols. It functions to create an interface with the computer through adjusting the settings for the program as shown below.

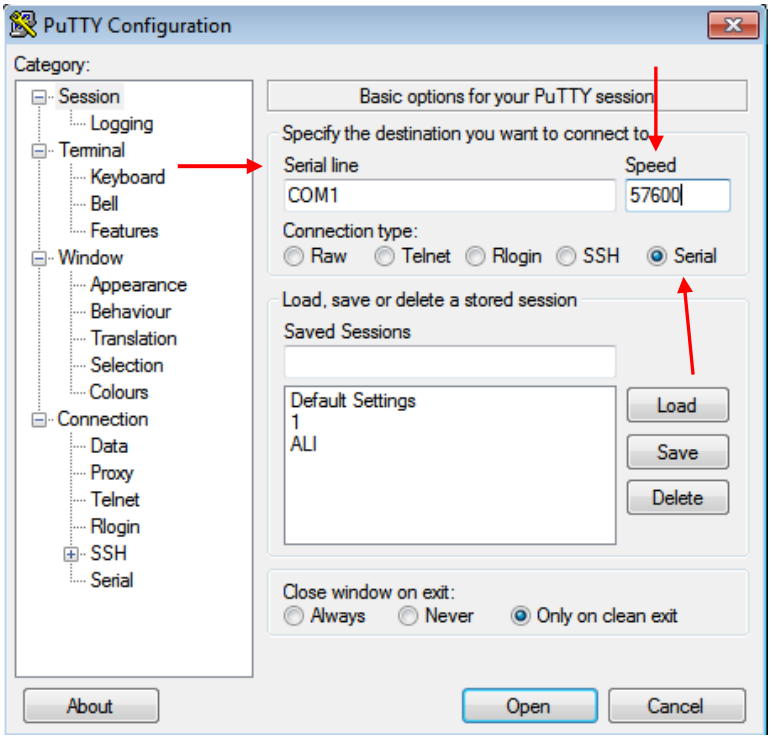


Figure 14. The Putty window configuration with specific setting

When the settings window is opened, Serial is chosen as the connection type, the speed is set at 57600 and the serial line is determined from the computer's settings.

Then, the Open button can be pressed to open a new window as shown below in Figure 15. In this window, the user can control the requirement configurations as for our experiment (RFD900+ radio) by entering specific commands and receiving the resulting values. Also, by using commands in this tool, the user can adjust the configuration for the local and remote radios. The image below shows a new window that is ready for entering commands.

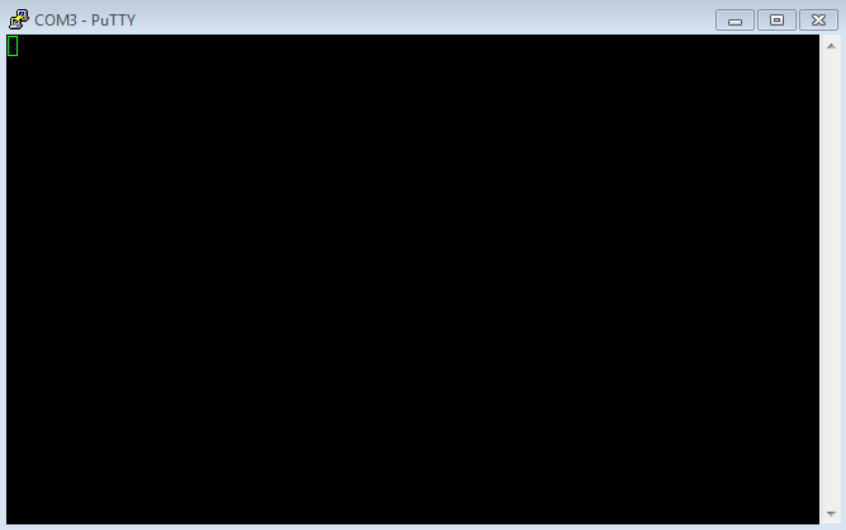


Figure 15. The putty window which is used to enter the commands and get results for both radios.

3. Section 4.1.3: Mapruler application:

The Mapruler application is used to measure the distance between two locations in kilometres. This application is extremely useful in this experiment to define the distance between the two radios. The other useful application feature gives the user an overview of the chosen location, and therefore it can be determined whether or not it is a suitable location. The image below shows how this program works by using its ruler tool.

Figure 16. Mapruler application which is used to determine the distance

B. Section 4.2: Hardware used in the experiment

The hardware is an essential part of this experiment as it contains the main components to implement and achieve the desired goals of the testing performance. Each component part has a datasheet to provide more information on specifications and features for the user to read. These components are the RFD900 and RFD900+ radios, serial port FTDI cable, antenna, and battery.

1. Section4.2.1: RFD900 and RFD900+ Radios:

In this experiment, these two radios will be used in emergency situations due to their design that supports long range applications, while being easy to use and affordable. Also, they work under the ISM band, which means no license is needed to use the radio inside the city. In the next step, the relevant features and specifications will be discussed.

This radio has many features according to the datasheet from the company (RFDesign 2013):

1. Depending on antennas and GCS setup it can achieve long range greater than 40km.
2. 1 Watt is the maximum transmission power (+30dBm).
3. It is easy to configure , Small , lightweight and open source firmware tools
4. RFD900 is configured by simple AT commands for local radio, RT Commands for remote radio.
5. It uses ISM band (free license) in Australia and some countries such as Canada, USA, and New Zeeland.

Also, this radio has many Specifications (RFDesign 2013) such as:

1. The Frequency Range is between 915 to 928 MHz (Australia).
2. Air Data transfer rates from 4, 8, 16, 19, 24, 32, 48, 64, 96, 128, 192 to 250 Kbit/sec.
3. Receive Sensitivity greater than 121 dBm at low data rates.
4. Weight: 14.5g.
5. Power Supply: +5 V nominal.
6. Temp. Range: -40 to +85 degree.

The RFD900+ Radio has two state LEDs, one red and one green.

These colors indicate the particular situation of the modem .For example,

- The green LED blinking means that the radio searching for another radio.
- The green LED solid means that link is established with another radio.
- The green LED flashing means that the radio searching for another radio.
- The green LED solid means that in firmware update mode.

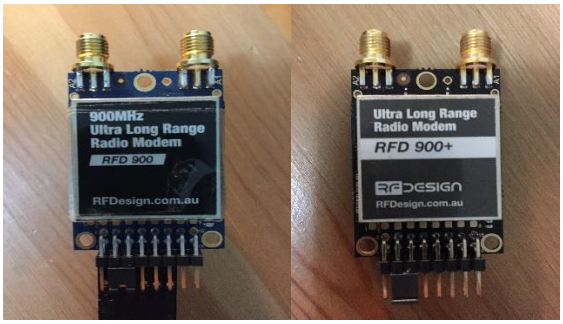


Figure 17. Shows the RFD900 radio modem on the right side and the RFD900+ radio modem on the left

2. Section4.2.2: Serial port FTDI cable:

The TTL-232R cables are a family of USB to TTL serial cables as shown below. This type of cable provides a simple and fast way to connect devices with a TTL level serial interface to USB (FTDI cable datasheet). The modem is connected to the computer by an FTDI cable. It is compatible with the RFD900 modem. It has six pins with different wire colours. The pin with the black wire is connected to pin 1 in the RFD900 modem to power it from the +5 V USB power, and the jumper must be placed to connect pins 4 and 6 with each other (RFDesign 2013).

Figure 18. The serial port FTDI cable which is used to link the radio modem and computer or with battery

3. Section4.2.3: Antenna:

The antenna used in this experiment has a 3dBi gain with an omnidirectional radiation pattern. It is suitable for a ground station. Moreover, this antenna reduces the local noise that is introduced into the antenna from the electronics connected to the RFD900+ Modem (RFDesign 2013).

Figure 19. Half Wave Dipole Antenna 900MHz

4. Section4.2.4: Battery:

This battery has output voltage 5 V and nominal capacity 8400 mAh. It is used to supply the second radio (Remote modem) while the first radio is supplied by the computer via the serial port as mentioned above in the FTDI cable section.

Figure 20. Power bank (battery) output voltage 5V and capacity is 8400mA

C. Section 4.3: Measurement setup:

In this section of this chapter, several steps were executed to carry out our measurement. Since the main objective of this project is to measure the performance of the radio, the laptop and the mobile phone must be provided with software programs that can record the data accurately. In the first step of this experiment, the firmware for RFD900, RFD900 Modem Tools and Putty Configuration are downloaded onto the laptop.

Then the components of the two radios are assembled together to act as one part as shown below, and one of them is connected to the computer and the other with the battery.

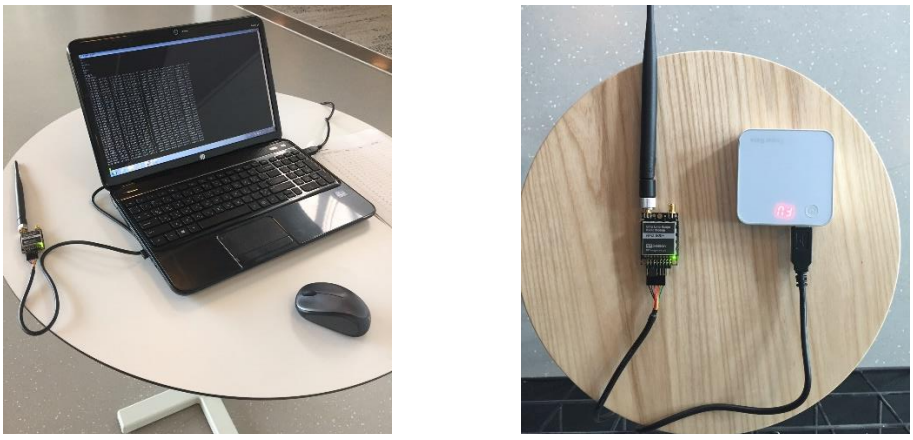


Figure 21.The first modem radio is connected to laptop and the second radio is connected to battery

By using RFD900 Modem Tools, the basic settings of the local and remote radios can be adjusted, and by using Putty Configuration, TX power and Air speed can be set by entering specific commands that are defined in the datasheet of the RFD900. All these commands can be used by entering '+++' at the top of the Putty window and then waiting for one second as shown below (RFDesign 2013).

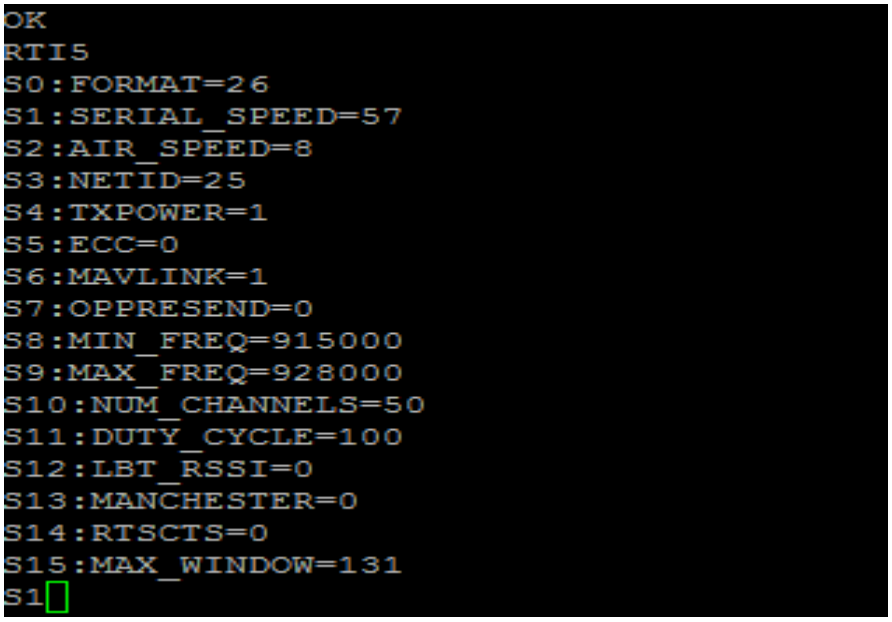


Figure 22. Putty window display the radio modem setting by using enter specific command

AT commands are used to control the local RFD900+ modem and RT commands to control the remote radio. The table below shows some of the important commands that are used in this local radio experiment.

Commands	Description
ATI5	Shows all user-settable EEPROM parameters
ATO	Exits AT command mode
ATSn=X	Sets radio parameter number 'n' to 'X'
ATZ	Reboots the radio
AT&W	Writes current parameters to EEPROM
AT&T=RSSI	Enables RSSI debugging report
AT&T	Disables debugging report

Table 2. Display different commands for local radio and the meaning of these commands(RFDesign 2013)

Specific registers can be set to particular values by following these steps to configure the radio using the following commands (RFDesign 2013):

1. ATSn=X command is used whereas n is the number of the registers and X is the actual value.

2. AT&W command is used to write the chosen values to the RFD900 modem.

3. ATZ command is used to reboot the RFD900 modem.

To control the remote RFD900 modem, the same commands can be used except for changing AT to RT when following the instructions above and using the values that are appropriate in the experiment, such as RTS2=24 to set the Air speed (Data rate) to 24 and RTS4=27 to set TX power to 27 dBm in the remote modem.

RSSI, Packets and Noise at the local RFD900+ and RFD900 modem will be measured while varying the power between (0 - 27 dBm), the data rate and the distance.

This plan is designed for performing practical measurements for the RFD900+ modem:

Distance	Data Rate	TX power
1 m	8, 24, 64, 128, 250 Kbps	1, 5, 8, 17, 27 dBm
10 m	8, 24, 64, 128, 250 Kbps	1, 5, 8, 17, 27 dBm
50 m	8, 24, 64, 128, 250 Kbps	1, 5, 8, 17, 27 dBm
100 m	8, 24, 64, 128, 250 Kbps	1, 5, 8, 17, 27 dBm
1 km	8, 24, 64, 128, 250 Kbps	4, 8, 16, 20, 27 dBm
2 km	8, 24, 64, 128, 250 Kbps	4, 8, 16, 20, 27 dBm
3 km	8, 24, 64, 128, 250 Kbps	4, 8, 16, 20, 27 dBm
4 km	8, 24, 64, 128, 250 Kbps	4, 8, 16, 20, 27 dBm
5 km	8, 24, 64, 128, 250 Kbps	4, 8, 16, 20, 27 dBm

This another plan is prepared for doing practical measurements for RFD900 modem:

Distance	Data Rate	TX power
10 m	8, 24, 64 Kbps	5, 8, 17, 27 dBm
100 m	8, 24, 64 Kbps	5, 8, 17, 27 dBm
1 km	8, 24, 64 Kbps	5, 8, 17, 27 dBm
2 km	8, 24, 64 Kbps	5, 8, 17, 27 dBm
3 km	8, 24, 64 Kbps	5, 8, 17, 27 dBm

1. Section 4.3.1: Description of the Measurement Environment

Choosing a suitable location is a major requirement for this experiment to achieve all measurement steps with accurate values. Also, it can be seen in the above plans that testing over long distances is one of the required steps in the radio testing, therefore the chosen location should be outside of a laboratory or home. In this case, different locations are chosen to implement the tests, e.g., for short distances, the park is chosen for distance between 1 to 100 metres. Brighton Beach is another location that is suitable for long distances. This beach is an appropriate place where both radios will be away from buildings and most signal interference, although there will still be some obstacles (e.g., the trees near the edge of the beach and signals coming from homes next to the beach) that are likely to affect the quality of the received signal. All these measurements were taken during sunny days in April. The height of the transmitter and receiver antennas measured from the ground level were less than 1/2 m.

2. Section 4.3.2: Measurement Process:

1. Adjust the settings for the local and remote modem radios with the same settings as required in the experiment until they can communicate with each other by using the commands explained above. Also, it can be seen that the green LED blinking changes to green LED solid, which means that the link of the first radio is established with another radio.
2. Determine the required distance between the first and second radio by using the Mapruler application. Then put the first radio, which is connected to the battery and fixed on a wooden stick, on the beach as shown below (at ground level).

Figure 23. The second radio is located on the Brighton beach (Remote radio)

3. Then move the second radio that is plugged into the computer and is also fixed on a wooden stick at the required distance, as can be seen in the image below, to start collecting all the measurements as required in the experiment sheet.

Figure 24. The local radio which is connected to my computer both of these radio setting can be controlled by commands via putty program

4. Next, open the Putty Configuration window and enter '+++'. Then, enter the AT&T=RSSI command to get all the measurement values for L/R RSSI, L/R noise and received packets. After one minute, stop measuring these values using the AT&T command as shown below. Then, select some of these values and copy and paste them into a text document for analysis after finishing this part of this experiment. All the measurement step is included in the Appendix 2.

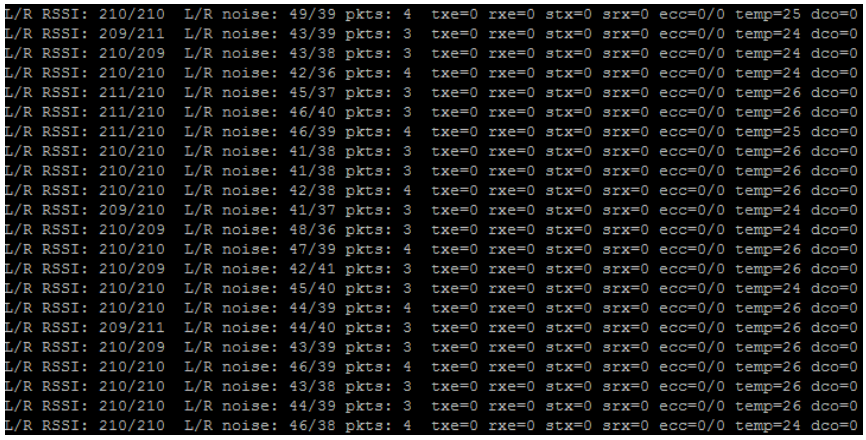


Figure 25.Putty window shows the result for specific configuration L/R (RSSI), L/R (noise) and Received packet

1. In this stage, all the collected values are put into an Excel file to calculate the average value for the received signal strength indicator (RSSI), noise floor and the received packets for each setting of Data Rate and Transmitted Power for the local radio at the required distance, as can be seen below.

Data Rate =250Kbps					Transmitted Power =17dBm									
L/R	RSSI:	147	L/R	noise:	69	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=16	dco=0
L/R	RSSI:	149	L/R	noise:	75	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=16	dco=0
L/R	RSSI:	148	L/R	noise:	67	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=18	dco=0
L/R	RSSI:	152	L/R	noise:	75	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=16	dco=0
L/R	RSSI:	146	L/R	noise:	70	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=18	dco=0
L/R	RSSI:	148	L/R	noise:	75	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=18	dco=0
L/R	RSSI:	149	L/R	noise:	68	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=18	dco=0
L/R	RSSI:	148	L/R	noise:	79	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=18	dco=0
L/R	RSSI:	146	L/R	noise:	71	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=16	dco=0
L/R	RSSI:	151	L/R	noise:	66	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=17	dco=0
L/R	RSSI:	149	L/R	noise:	62	pkts:	13	txe=0	rxe=0	stx=0	srx=0	ecc=0/0	temp=18	dco=0
Average		148.454545			70.63636364		13							

Figure 26. The Excel file shows the average values in yellow for the RSSI, noise and packets for one step

5. After apply the previse calculation for each setting , next that put the final average value in a special table whereas all the readings calculated to be ready for analysis as shown below (The table below is not complete) Just as example. All the distances which are specified in the experiment have the same table in the same variables as found in experiment sheet.

At 100 meter

DR(Air speed)	TX power	RSSI	Noise	RX Packet
8	1	143.16	47.9	3
8	5	153.2	48.8	3
8	8	157.75	48	3
8	17	175.45	49	3
8	27	195.3	50	3
24	1	143.5	47.1	4
24	5	151.2	47.15	4
24	8	154.2	47.11	4

Figure 27. Displays a sample of the different configurations and different values for the parameters at 100 metres

6. As can be seen below, a special table is designed in Excel file whereas this table shows the relationship between distance and RSSI at different transmitted power with constant Data Rate. All the measurement values in the table are collected from all the original table at 8Kbps Data rate.

Data Rate =8 Kbps					
Distance(m)	RSSI (Tx Power=1dBm)	RSSI (Tx Power=5dBm)	RSSI (Tx Power=8dBm)	RSSI (Tx Power=17dBm)	RSSI (Tx Power=27dBm)
1	212	215	216	221	218
10	189	199	203	213	216
50	155	164.5	172.2	190.4	207
100	143.16	153.2	157.7	175.45	195.36

Figure 28. Shows different values for RSSI over different transmitted powers and distances at 8 kbps Data Rate

The RSSI values in the table above do not have units, therefore these values should be converted to dBm by applying the equation below on all RSSI values to get the received power in dBm (ArduPilot 2016).

$$\boldsymbol{RSSI(dBm) = \frac{RSSI}{1.9} - 127} \qquad (13)$$

Data Rate =8 Kbps {RSSI in dBm}					
Distance(m)	RSSI (Tx Power=1dBm)	RSSI (Tx Power=5dBm)	RSSI (Tx Power=8dBm)	RSSI (Tx Power=17dBm)	RSSI (Tx Power=27dBm)
1	-15.4	-13.8	-13.3	-10.7	-12.3
10	-27.5	-22.3	-20.2	-14.9	-13.3
50	-45.4	-40.4	-36.4	-26.8	-18.1
100	-51.7	-46.4	-44.0	-34.7	-24.2

Figure 29. The values in the above table are obtained by convert the values in Figure 22 to (dBm)

Then plot all the requirement graphs according to the table values to be ready for explanation as shown below; this is considered to be the last step in the measurement method.

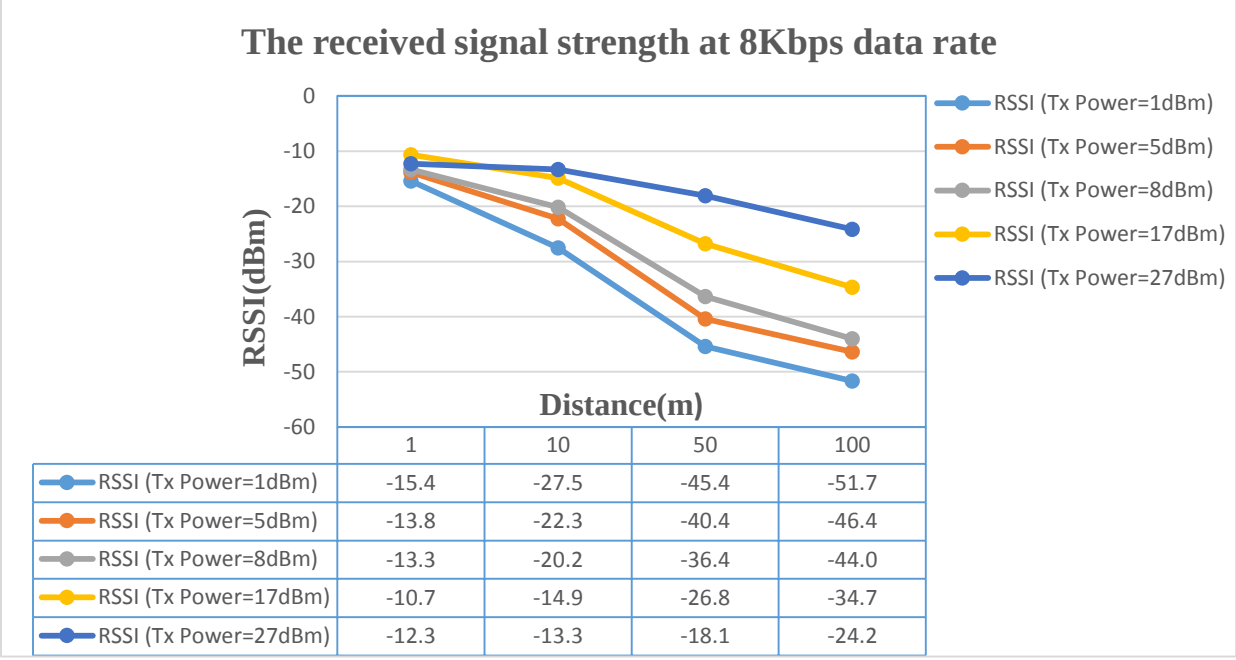


Figure 30. This graphs shows the value in Figure 23 (final result for this configuration)

3. Section 4.3.3: Measurement Units:

In this experiment, several measurements were used to find specific values for some of the radio parameters. RSSI, noise floor and received packets are considered to be important parameters such that, using the values of these variables, we can measure the performance of the radio in the desired location. Decibel milliwatts (dBm) and decibels (dB) are the most common measurement units, where dBm is the unit of the strength of an RF signal and dB the unit of the noise floor.

a) Received signal strength indicator (RSSI):

The RSSI implies the received signal strength, and it is defined as the total value of the received power including the power of noise (Sauter 2010). The RSSI value doesn't have a specific unit as mentioned above, therefore this value should be converted via this equation $RSSI(dBm) = \frac{RSSI}{1.9} - 127$ to get the value of the RSSI in dBm. The scale of the RSSI changes depending on the manufacturing specifications of the factory. -100 dBm is considered to be a weak signal for the RSSI while 0 dBm is very strong signal level. In other words, when the value of RSSI is close to zero, the signal will be better, and when it is close to -100 dBm it will be worse.

b) dB and dBm units

Decibel units give the users a more accurate value for the measured parameter than other units (Held 2002). Moreover, this allows the parameters in the communication system to be easily calculated in some mathematical calculations such as addition and subtraction. Therefore, most of the parameters in communication systems are described using this unit, such as transmitter power, receiver sensitivity and path degradation. In a wireless system, the transmitted and received power are absolute values of power, which means they can be measured by Watts or dBm, whereas the path loss is a relative value which means it can be measured by dB and is independent of the actual power value (Robertson 1997). The decibel unit is used to represent the power gain and loss because it provides values with higher precision. The decibel milliwatt (dBm) unit refers to the input and output of the power levels in the communication system, where the 'm' refers to the milliwatts (mW) (Held 2002).

$$\mathbf{dB = 10 \log (P1/P2)} \quad (14)$$

Where
P_1 = the level of power in Watts
P_2 = the level of reference power in Watts and is usually defined as 1 milliwatt.

To convert the obtain value from dB to watt we can use the below equation:

$$\boldsymbol{P(w) = 10^{\left(\frac{PdBm-30}{10}\right)}} \quad (15)$$

Power in dBm unit	Power in mW unit	Power in dBm unit	Power in mW unit
20	$100^{*}\ 10^{-3}W$	-30	$1^{*}\ 10^{-6}W$
10	$10\ ^{*}10^{-3}W$	-40	$100^{*}\ 10^{-9}W$
0	$1\ ^{*}10^{-3}W$	-50	$10\ ^{*}\ 10^{-9}W$
-10	$100\ ^{*}10^{-6}W$	-60	$1^{*}\ \ 10^{-9}W$

Table 3. Shows different values in decibel milliwatt and contrast value which are equally in watt

V. Chapter 5: Experimental Result and Discussion

Measurements Results

In this chapter, the results gathered from our measurements shall be analyzed. In Section 1, the RSSI variation with varying distances and RF power level was discussed for RFD900+ radios for different data rates. In the next section, the quantitative analysis for the packets received for a given RF power level was done. The RFD900 and RFD900+ radio modems were also compared for their performance. Since the measurements were carried out in open atmosphere, the values were averaged over ten measurements to take care of variations due to other factors and get more realistic values for each set of measurements.

A. Section 5.1: RSSI Computation and plotting

In the first stage, the measurement were done to collect and plot RSSI value for different power levels and data rates keeping the separation between radios to short distances. We haven't considered lower data rates of 2 and 4 kbps to avoid saturating the receiver at remote end. Each RSSI value was obtained by averaging 10 readings and each data point was plotted with mean and 95% confidence interval error bar. All measurements were performed using this methodology. Since the plotted RSSI were taken at different times and weather conditions, the variations of test setup will lead to slight variation in readings. Signal strength for distances less than 100m was quite promising prompting us to use only one antenna at each end. With only one port used for communication for distances less than 100 meters, the diversity operation is automatically disabled in the radio circuitry. We used half wave Dipole antenna with our radio that has an omnidirectional radiation pattern with 3dBi gain.

The RF input power level is given by the equation:

RF Input Power Level (dBm) = (RSSI value / 2) – MODEM_RSSI_COMP – 70 + diversity gain+ 2xantenna gain (16)

Where, the MODEM_RSSI_COM is 64dB. For omnidirectional antenna the gain is 3 dBi when only one antenna is used.

The RSSI values recorded are relative values. The actual received level in dBm can be computed from the equation below (as given in the RFD900 Data sheet)

RF Input Power Level (dBm) = (RSSI value / 1.9) – 127 (17)

According to modem datasheet the RFD900+ radio has -121dBm receiver sensitivity while RFD900 has -119 dBm.

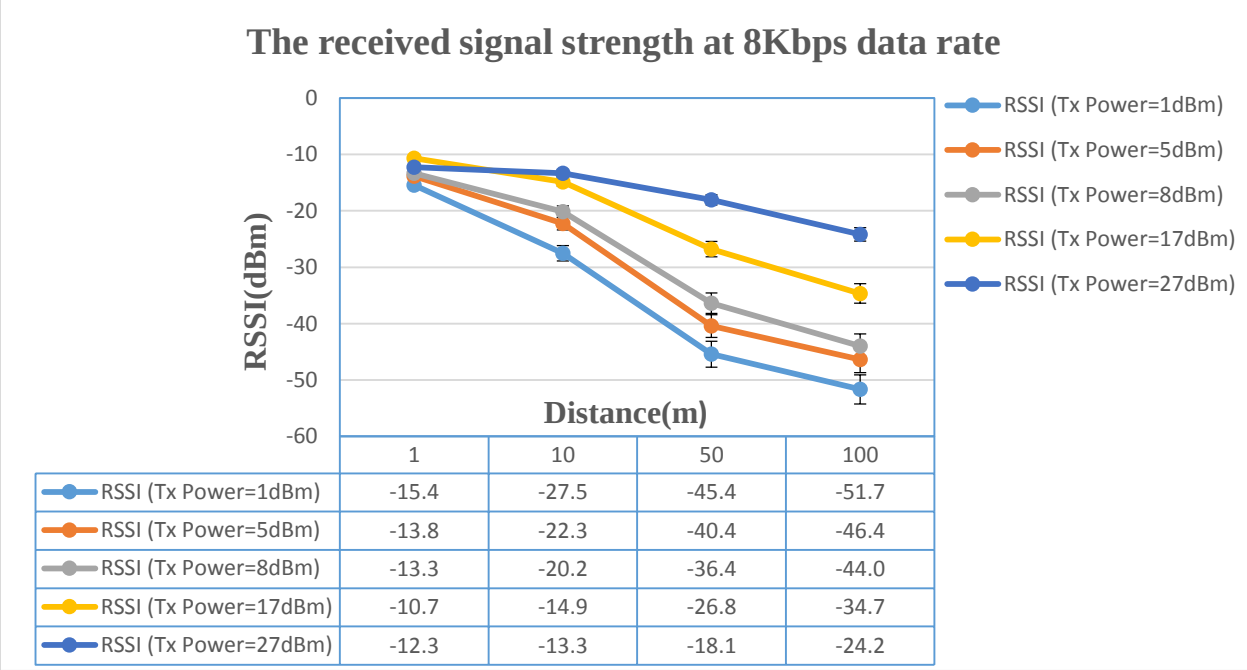
B. Section 5.2: RSSI Variation with Distance for short range (1, 10, 50 and 100) meter at different data rate (8, 24, 64,128 and 250) kbps:-

Radio settings were made using RFD900 Modem Tools that provided the ability for the users to change the RF power level of the radio along with several other transmission parameters for local and remote radio. Since the radios operate in full duplex, we can change the parameters of both radios by using Putty program using specific command as mentioned in the previous chapter. The RF power level of the RFD 900+ can be changed in steps of 1 dBm using command line interface. However, in this experiment we used the RF power levels of 1, 5, 8, 17 and 27 dBm due to time and computation constraints. Figure 31 to 35 shows the RSSI variation with distance when the radios are operated for data rates of 8, 24, 64, 128 and 250 kbps.

As expected, the RSSI decreases as link distance is increased due to free space loss in signal strength according to the inverse square law. RSSI obtained for a lower data rate of 8 kbps shows pretty optimal values for maintaining a reliable communication link.

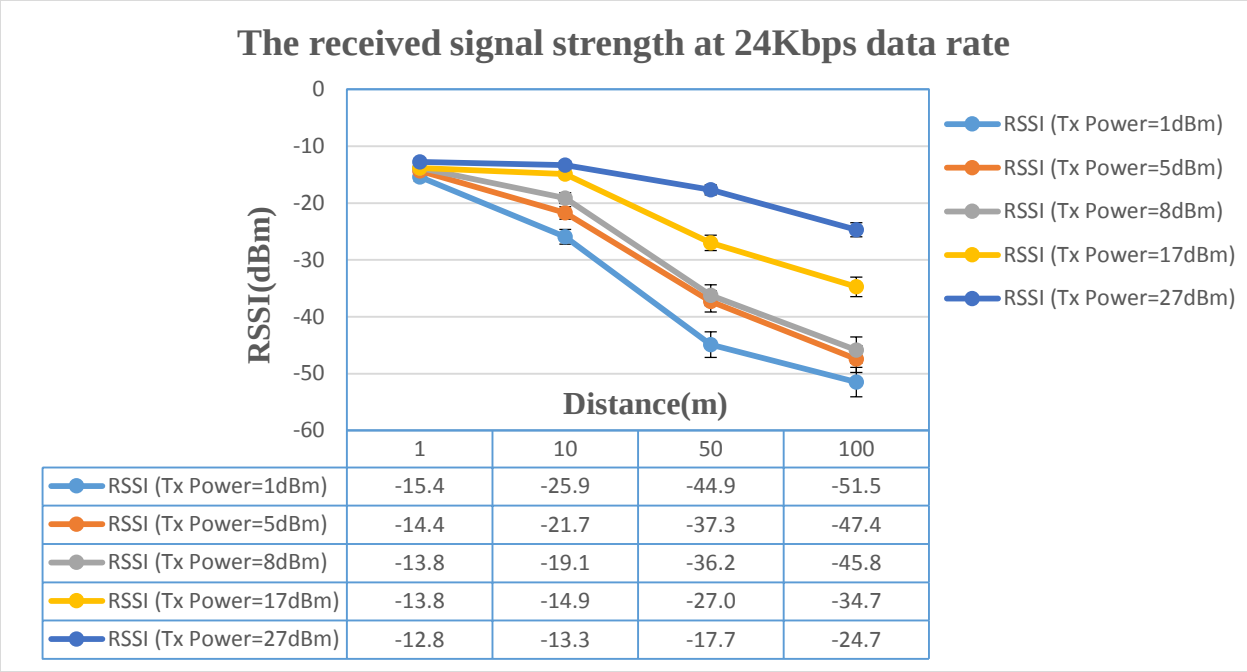
The RF power has less impact on the RSSI for shorter distances as can be seen in the figures 31 to 35 when the distance is 1 meter. The change in RSSI values becomes more evident as we move from lower to higher data rates. For instance, the RSSI values deteriorates and moves away from each other as the distance is increased from 1 to 100 meters and data rates from 8 to 250 kbps. However, the impact of increasing RF power at 100 meters distance is less evident when the data rate is set to 250 kpbs because the difference in RSSI values is not as prominent in comparison to lower data rates. As a whole, for distances of up to 100 meters signal strength is very strong and varies from -10 to -59 dBm. The higher SNR is needed to transmit higher order modulations that are used for 250 kbps transmission rate (Behzad 2007). The power amplifier of the RFD 900+ has a maximum RF power of 27 dBm and for higher order modulation the amplifier is required to be back-off to limit the noise floor thus reducing the RF power which

results in a lower RSSI value (Kalivas 2009). The noise floor values at longer distance are high and measurement show the values to be between -90 dBm to -106 dBm. This high value of noise floor will reduce the receiver sensitivity for the radio modem and hence the range of radios.



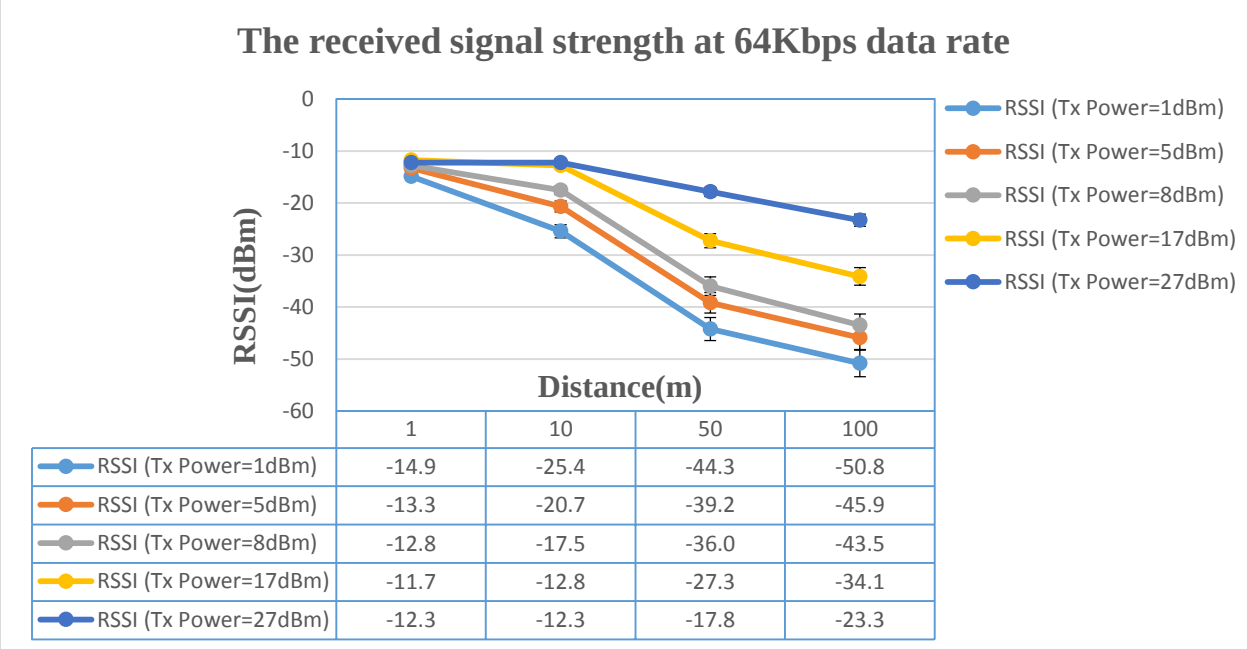
	1	10	50	100
RSSI (Tx Power=1dBm)	-15.4	-27.5	-45.4	-51.7
RSSI (Tx Power=5dBm)	-13.8	-22.3	-40.4	-46.4
RSSI (Tx Power=8dBm)	-13.3	-20.2	-36.4	-44.0
RSSI (Tx Power=17dBm)	-10.7	-14.9	-26.8	-34.7
RSSI (Tx Power=27dBm)	-12.3	-13.3	-18.1	-24.2

Figure 31. Curves for the received signal strength (RSSI) in dBm for the distance (m) at 8 kbps data rate with different transmitted powers (noise floor = -105.95 dBm)



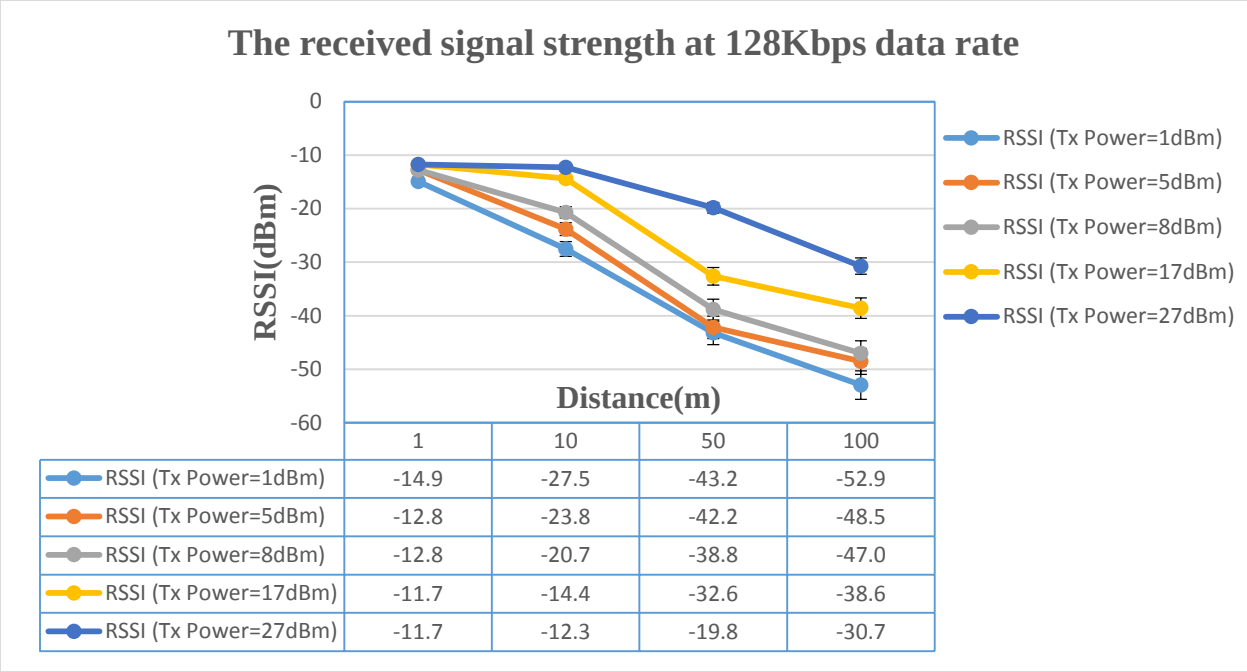
	1	10	50	100
RSSI (Tx Power=1dBm)	-15.4	-25.9	-44.9	-51.5
RSSI (Tx Power=5dBm)	-14.4	-21.7	-37.3	-47.4
RSSI (Tx Power=8dBm)	-13.8	-19.1	-36.2	-45.8
RSSI (Tx Power=17dBm)	-13.8	-14.9	-27.0	-34.7
RSSI (Tx Power=27dBm)	-12.8	-13.3	-17.7	-24.7

Figure 32. Curves for the received signal strength (RSSI) in dBm for the distance (m) at 24 kbps data rate with different transmitted powers (noise floor = -102.29 dBm)



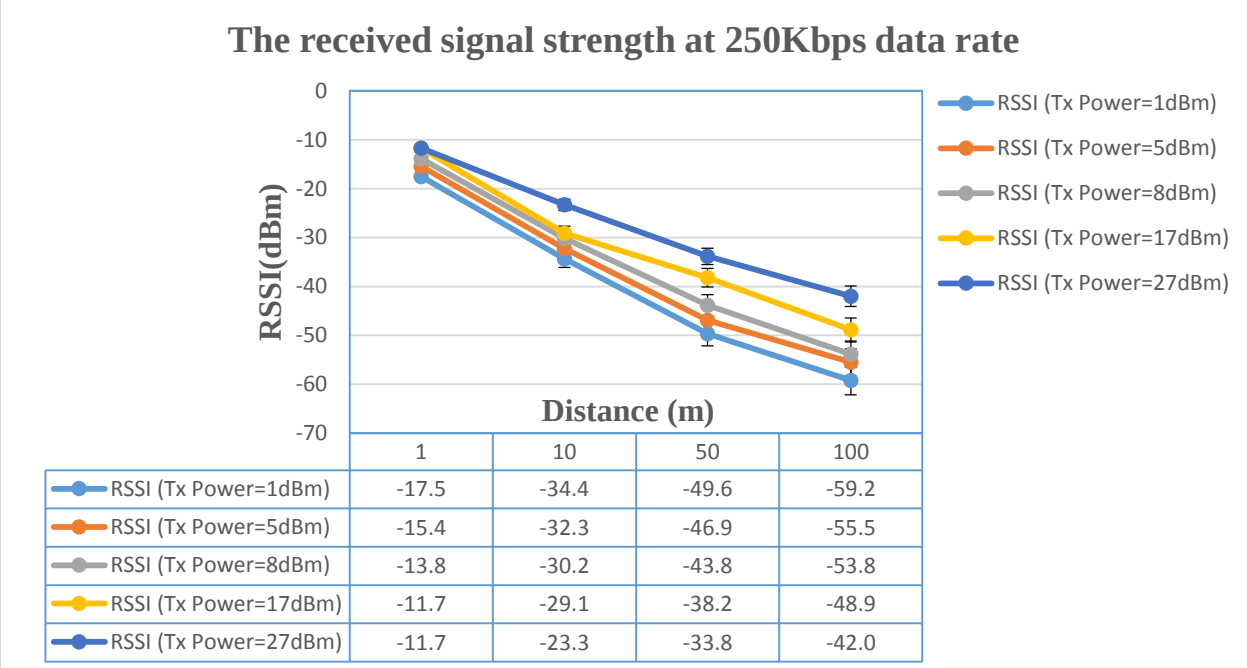
	1	10	50	100
RSSI (Tx Power=1dBm)	-14.9	-25.4	-44.3	-50.8
RSSI (Tx Power=5dBm)	-13.3	-20.7	-39.2	-45.9
RSSI (Tx Power=8dBm)	-12.8	-17.5	-36.0	-43.5
RSSI (Tx Power=17dBm)	-11.7	-12.8	-27.3	-34.1
RSSI (Tx Power=27dBm)	-12.3	-12.3	-17.8	-23.3

Figure 33. Curves for the received signal strength (RSSI) in dBm for the distance (m) at 64 kbps data rate with different transmitted powers (noise floor = -97.95 dBm)



	1	10	50	100
RSSI (Tx Power=1dBm)	-14.9	-27.5	-43.2	-52.9
RSSI (Tx Power=5dBm)	-12.8	-23.8	-42.2	-48.5
RSSI (Tx Power=8dBm)	-12.8	-20.7	-38.8	-47.0
RSSI (Tx Power=17dBm)	-11.7	-14.4	-32.6	-38.6
RSSI (Tx Power=27dBm)	-11.7	-12.3	-19.8	-30.7

Figure 34. Curves for the received signal strength (RSSI) in dBm for the distance (m) at 128 kbps data rate with different transmitted powers (noise floor = -93.56 dBm)



	1	10	50	100
RSSI (Tx Power=1dBm)	-17.5	-34.4	-49.6	-59.2
RSSI (Tx Power=5dBm)	-15.4	-32.3	-46.9	-55.5
RSSI (Tx Power=8dBm)	-13.8	-30.2	-43.8	-53.8
RSSI (Tx Power=17dBm)	-11.7	-29.1	-38.2	-48.9
RSSI (Tx Power=27dBm)	-11.7	-23.3	-33.8	-42.0

Figure 35. Curves for the received signal strength (RSSI) in dBm for the distance (m) at 250 kbps data rate with different transmitted powers (noise floor = -91 dBm)

C. Section 5.3: RSSI Variation with Distance for long range (1, 2, and 3) Km at different data rate (4, 8, 24, 64, 128) Kbps:

In this section, we carried out the experiment for longer distances, i.e., distances from 1 km up to 5 km. Due to the longer distances involved, it is more logical to consider the viability of the link with lower order modulation, i.e., low transmission rates. Therefore, we have conducted measurements using 4, 8, 24, 64, 128 kbps. The results are shown in Figures 36 to 40. It can be seen in Figure 40 that the RSSI value is comparable to the value calculated theoretically for a distance of 3 km in section 3.4.3.

As expected, the RSSI shows almost a linear decrease with increasing distance when the transmitter is operated at higher power levels for a given data rate. However, signal attenuation at lower power levels is not linear, primarily due to several external factors impacting the signal propagation due to lack of line of sight (LOS). These measurements were conducted on the beach side, but the nearby buildings, moving vehicles and reflections from the sea surface impacted the signal. In this part of the experiment, the radios were operated with both antennas connected, thus enabling the signal diversity. As evident in the results, diversity provides a very positive impact on overall signal strength.

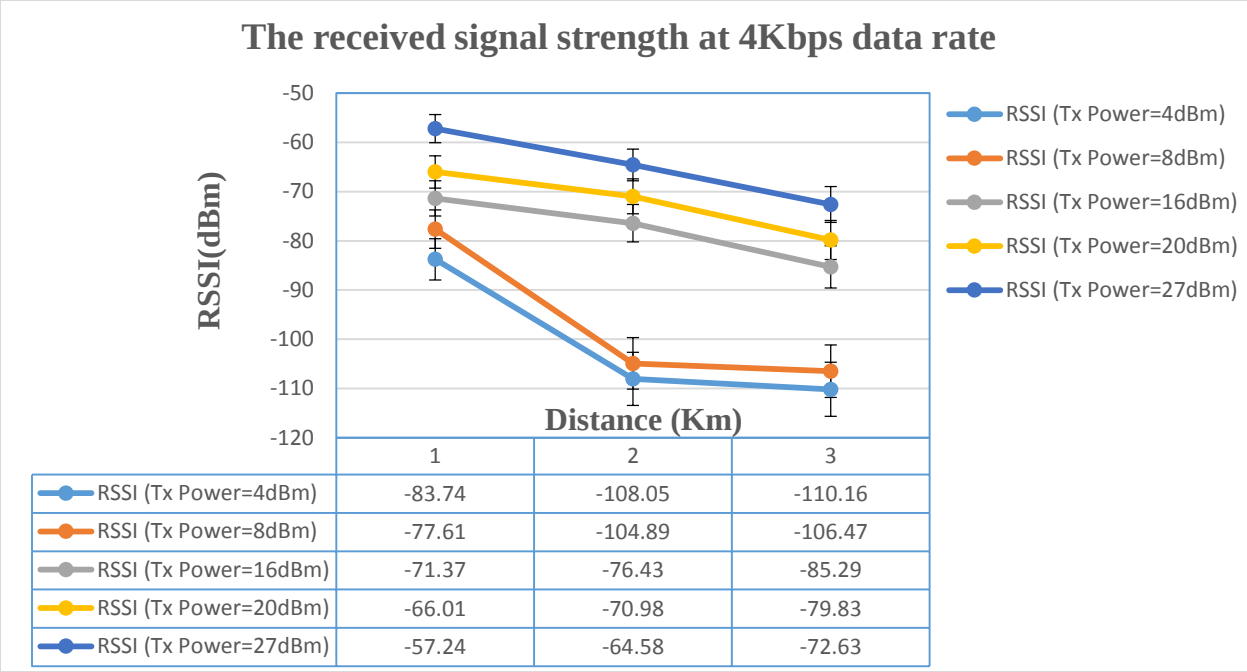
The RSSI remains within the acceptable range when the RF power is 16 dBm or higher and the radios are placed 1 km apart. However, RSSI degrades abruptly when the radios are moved to 2 km or more apart. In practice, there is no communication when the radios are operating at lower power levels, even when the data rates are as low as 4 kbps.

The UHF communication needs line of sight between the transmitter and receiver. Therefore, the antenna is required to be placed at a height so that LOS is available and the radio signals are not affected by any possible obstructions such as buildings, cars, people and trees. The true RF LOS signal path must have at least 60% clearance in the Fresnel Zone while taking into account the impact of the curvature of the Earth for long range wireless links. Thus, the determination of the antenna height is an important part of link design.

In this part of the experiment, the RFD900+ radio was kept at the maximum level power and link length at 3 km on Brighton Beach. The height of the antenna was not adequate in the chosen location (Brighton Beach) due to the presence of buildings and other obstacles on the beach side.

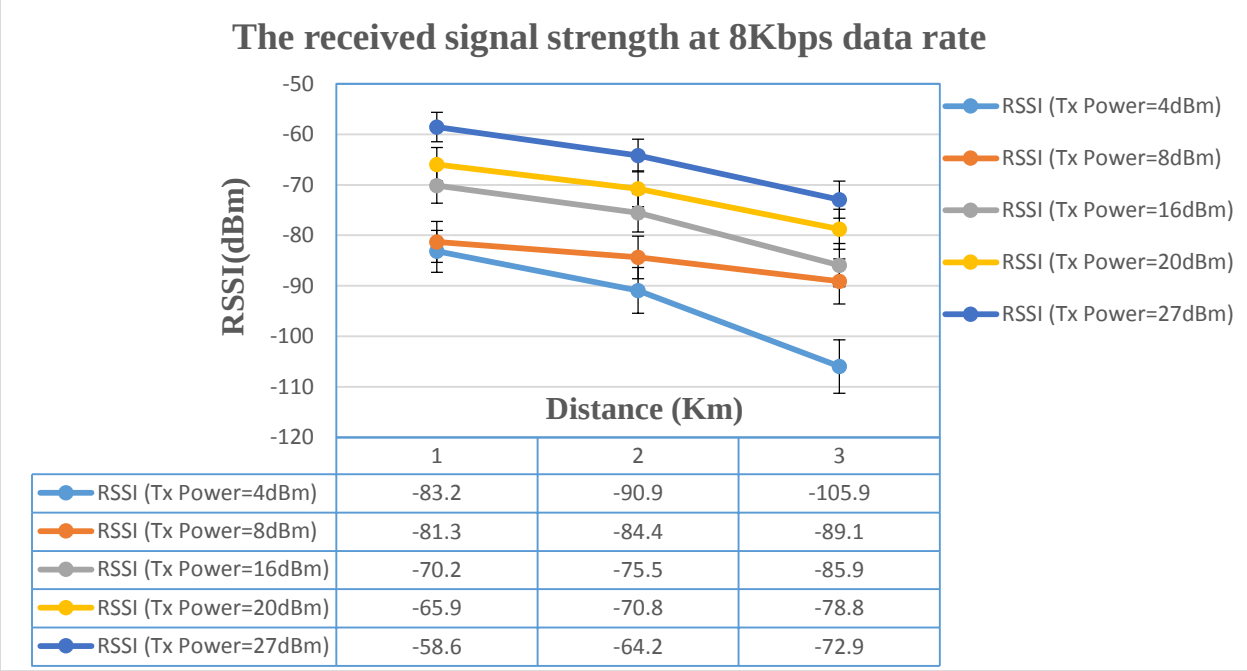
The height of the antenna was less than 0.5 m, while the trees and the building heights were more than 3 m. This means that the Fresnel Zones between the transmitter and receiver were not clear of “the obstacles on the beach more than 60% of the antenna height”. These obstructions cause diffraction for the radio signal when it propagates through the medium (Seybold 2005). The obstacles cause shadowing between the transmitter and receiver by absorbing the signal and blocking the signal from reaching the receiver (Goldsmith 2005). Thus, using a lower height for the antenna than required to achieve LOS caused the radio RFD900+ not to work at the distance of 4 km; its maximum range when the transmitted power increased by 6 dBm was at 2 km. Theoretically, the increase in the power level by 6 dBm should increase the distance to double the current distance based on the rule of the power density; i.e., the power is proportional to the inverse square of the distance.

In a wireless communication system, the receiver sensitivity is the minimum received level at which the receiver can detect a lower radio signal and demodulate data. The RFDesign Company has improved the sensitivity on the receiver for RFD900+ by approximately 2 dBm (making it more negative) to give the radio the ability to detect weaker signals and have increased the transmission range.



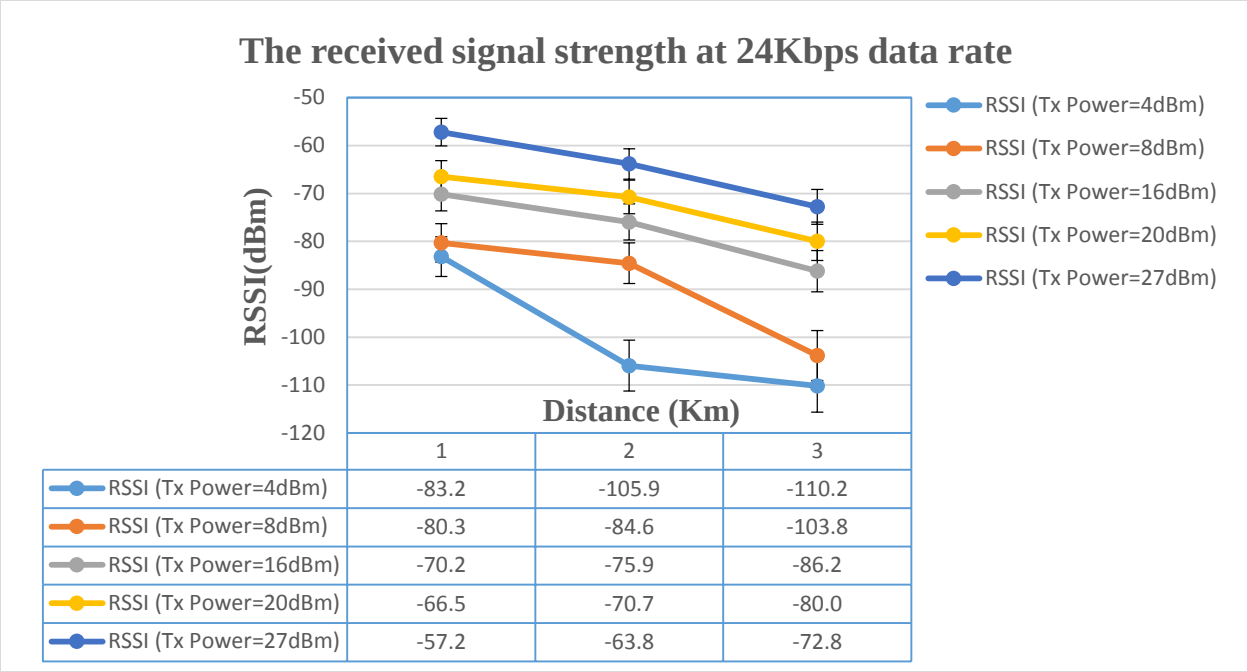
	1	2	3
RSSI (Tx Power=4dBm)	-83.74	-108.05	-110.16
RSSI (Tx Power=8dBm)	-77.61	-104.89	-106.47
RSSI (Tx Power=16dBm)	-71.37	-76.43	-85.29
RSSI (Tx Power=20dBm)	-66.01	-70.98	-79.83
RSSI (Tx Power=27dBm)	-57.24	-64.58	-72.63

Figure 36. Curves for the received signal strength (RSSI) in dBm for the distance in km at 4 kbps data rate with different transmitted powers (noise floor = -105.37 dBm)



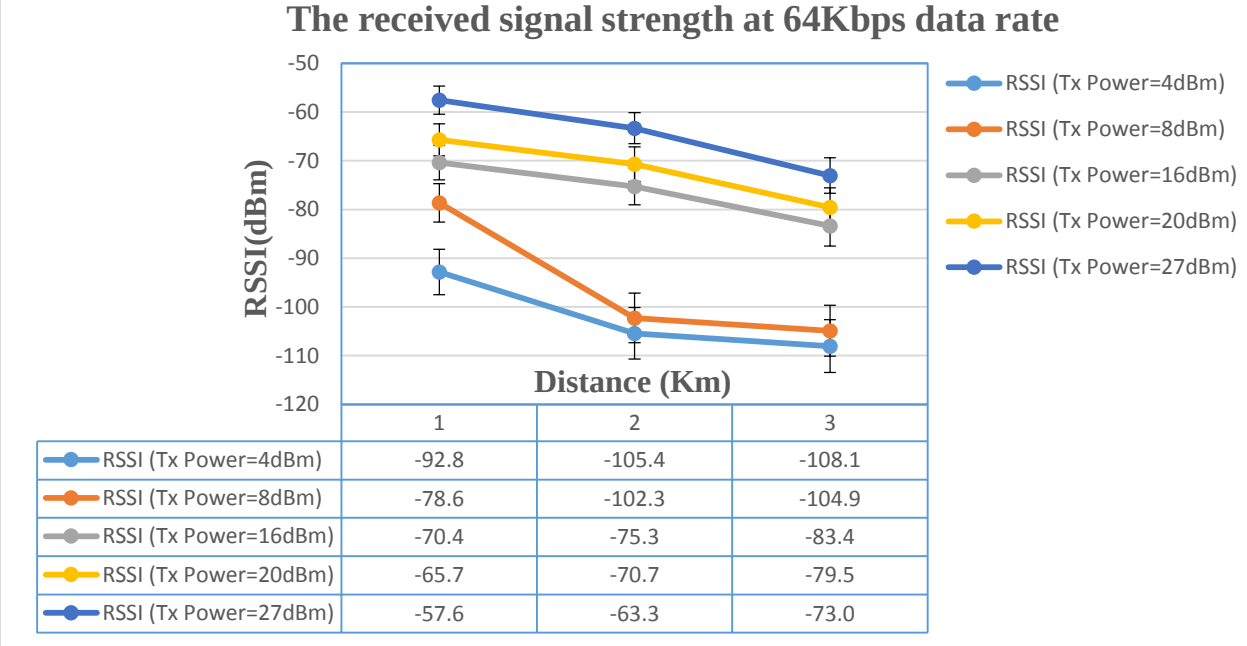
	1	2	3
RSSI (Tx Power=4dBm)	-83.2	-90.9	-105.9
RSSI (Tx Power=8dBm)	-81.3	-84.4	-89.1
RSSI (Tx Power=16dBm)	-70.2	-75.5	-85.9
RSSI (Tx Power=20dBm)	-65.9	-70.8	-78.8
RSSI (Tx Power=27dBm)	-58.6	-64.2	-72.9

Figure 37. Curves for the received signal strength (RSSI) in dBm for the distance in km at 8 kbps data rate with different transmitted powers (noise floor = -108.05 dBm)



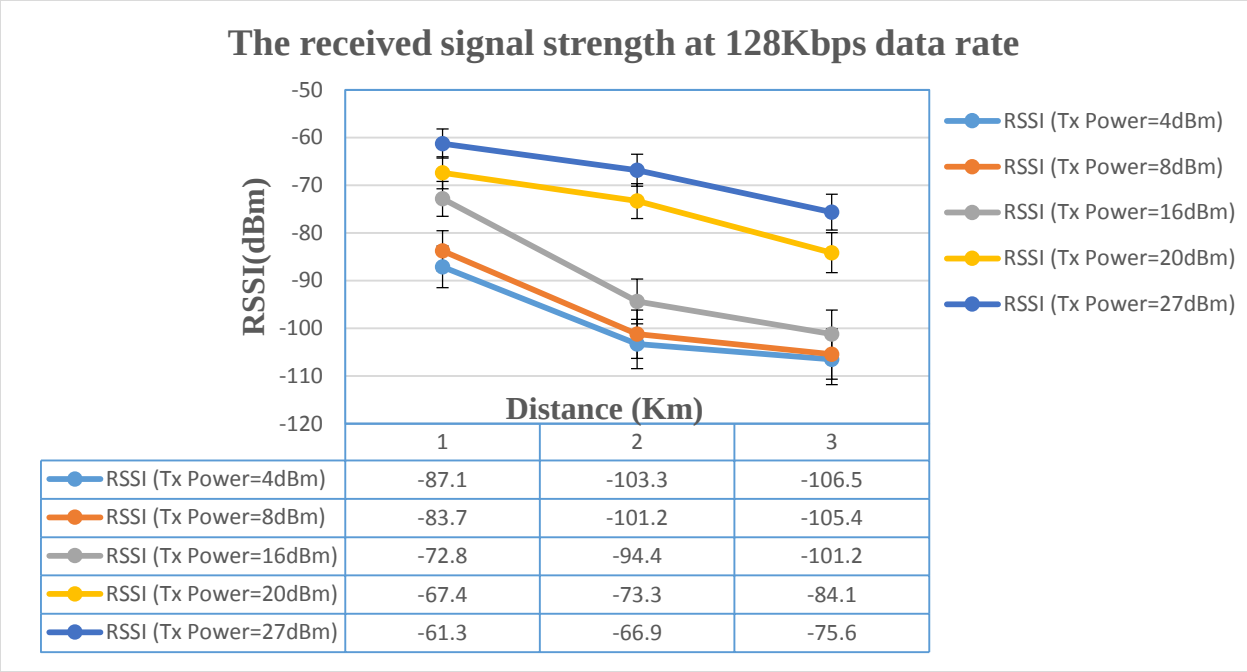
	1	2	3
RSSI (Tx Power=4dBm)	-83.2	-105.9	-110.2
RSSI (Tx Power=8dBm)	-80.3	-84.6	-103.8
RSSI (Tx Power=16dBm)	-70.2	-75.9	-86.2
RSSI (Tx Power=20dBm)	-66.5	-70.7	-80.0
RSSI (Tx Power=27dBm)	-57.2	-63.8	-72.8

Figure 38. Curves for the received signal strength (RSSI) in dBm for the distance in km at 24 kbps data rate with different transmitted powers (noise floor = -107.97 dBm)



	1	2	3
RSSI (Tx Power=4dBm)	-92.8	-105.4	-108.1
RSSI (Tx Power=8dBm)	-78.6	-102.3	-104.9
RSSI (Tx Power=16dBm)	-70.4	-75.3	-83.4
RSSI (Tx Power=20dBm)	-65.7	-70.7	-79.5
RSSI (Tx Power=27dBm)	-57.6	-63.3	-73.0

Figure 39. Curves for the received signal strength (RSSI) in dBm for the distance in km at 64 kbps data rate with different transmitted powers (noise floor = -101.82 dBm)



	1	2	3
RSSI (Tx Power=4dBm)	-87.1	-103.3	-106.5
RSSI (Tx Power=8dBm)	-83.7	-101.2	-105.4
RSSI (Tx Power=16dBm)	-72.8	-94.4	-101.2
RSSI (Tx Power=20dBm)	-67.4	-73.3	-84.1
RSSI (Tx Power=27dBm)	-61.3	-66.9	-75.6

Figure 40. Curves for the received signal strength (RSSI) in dBm for the distance in km at 128 kbps data rate with different transmitted powers (noise floor = -98.63 dBm)

A. Section 5.4: Packet reception rate for shorter distances (1, 10, 50 and 100 m):-

In this section, we will discuss the packet reception rate at the local end of the radio for the measurements performed in Section 5.1. The number of packets received correctly indicates the quality of the communication. Since the number of received packets depends on the data rate, the number of received packets is converted to a percentage to give a quantitative value. A 100% packet reception means that 3, 4, 8 and 13 packets are received for data rates of 8, 24, 64, 128 and 250 kbps respectively. During initial assessment of test setup, 100% packet reception was achieved when data rates were varied from 8 to 250 kbps for distances up to 100m with transmit power of 1dBm or higher. We will use the same percentage values to quantify the packet reception for long distance communication**.**

B. Section 5.5: Packet reception rate for longer distances (1, 2, and 3 kilometer):-

In this section, we will analyse the packet loss for longer distances, keeping the transmitted power constant while changing the data rate to 4, 8, 24, 64 and 128 kbps. In Table 4 we can see that there is no packet loss for 1 km, but as we advance up to 64 kbps we encounter a packet loss

of 25% and a loss approaching 75% at 128 kbps. For distances of 2 and 3 km there is no packet reception at all, indicating a total loss of communication.

Tx power = 4 dBm					
Distance(Km)	**pkts (DR=4 Kbps)**	**pkts (DR=8 Kbps)**	**pkts (DR=24 Kbps)**	**pkts (DR=64 Kbps)**	**pkts (DR=128 Kbps)**
1	**100%**	**100%**	**100%**	**75%**	**25%**
2	**0%**	**0%**	**0%**	**0%**	**0%**
3	**0%**	**0%**	**0%**	**0%**	**0%**

Table 4. The percentage of received packets for the distance (km) at different Data Rates with transmitted power 4 dBm.

In Table 5, when the transmitted power is increased to 8 dBm, we experience almost the same pattern as for 4 dBm. The received packet rate is 100% for 1 km for lower data rates but decreases to 50% for 128 kbps. At 2 km, there is random reception while 8 kbps and 24 kbps show 100% reception, whereas at 3 km, 100% reception is only seen at 8 kbps. This loss could have been caused by lower RSSI and thus bad signal reception for transmitted signal power of 8 dB and less. There is no packet reception for 4kbps when the distance changes from 1 km to 2 km and more. This might have been caused by some performance issue of RFD900+ modem reception at 4kbps which requires further investigation but is beyond the scope of this thesis.

Tx power = 8 dBm					
Distance(Km)	**pkts (DR=4 Kbps)**	**pkts (DR=8 Kbps)**	**pkts (DR=24 Kbps)**	**pkts (DR=64 Kbps)**	**pkts (DR=128 Kbps)**
1	**100%**	**100%**	**100%**	**100%**	**50%**
2	**0%**	**100%**	**100%**	**0%**	**0%**
3	**0%**	**100%**	**0%**	**0%**	**0%**

Table 5. The percentage of received packets for the distance (km) at different Data Rates with transmitted power 8 dBm.

As shown in Table 6, a significant improvement in communication quality appears as the transmitted signal power increases to 16 dBm. It can be seen that packet reception is 100% for most of the data rates with only slight variations. There is full reception of packets for the distance of 1 km. The same pattern can be seen for distance of 2 km but the packet reception drops to 50% at 4kbps. As mentioned earlier, this discrepancy could be due to some performance issue of RFD900+ reception at this data rate. Reliable communication occurs at all data rates

except at 128 kbps, which is primarily due to the high SNR requirement for transmission at this data rate.

Tx power = 16 dBm					
Distance(Km)	**pkts (DR=4 Kbps)**	**pkts (DR=8 Kbps)**	**pkts (DR=24 Kbps)**	**pkts (DR=64 Kbps)**	**pkts (DR=128 Kbps)**
1	**100%**	**100%**	**100%**	**100%**	**100%**
2	**100%**	**100%**	**100%**	**100%**	**0%**
3	**50%**	**100%**	**100%**	**100%**	**0%**

Table 6. The percentage of received packets for the distance (km) at different Data Rates with transmitted power 16 dBm.

Changing the power level to 20 dBm improves the performance considerably as the packet reception is 100% for most of the data rates, and an improved data rate of 128 kbps is achieved even for 2 and 3 km as shown in Table 7.

Tx power = 20 dBm					
Distance(Km)	**pkts (DR=4 Kbps)**	**pkts (DR=8 Kbps)**	**pkts (DR=24 Kbps)**	**pkts (DR=64 Kbps)**	**pkts (DR=128 Kbps)**
1	**100%**	**100%**	**100%**	**100%**	**100%**
2	**100%**	**100%**	**100%**	**100%**	**75%**
3	**100%**	**100%**	**100%**	**100%**	**50%**

Table 7. The percentage of received packets for the distance (km) at different Data Rates with transmitted power 20 dBm.

As the RF power is further increased, we achieve better performance; thus we have 87.5% reception for data rates of 128 kbps. This is because we get improved RSSI with the increase in transmitted power, which in turn results in better packet reception. Further increase in power was not possible as this would result in the saturation of the power amplifier, causing distortion, a high packet errors rate and thus a reduction in the packet reception rate.

Tx power = 27 dBm

Distance(Km)	pkts (DR=4 Kbps)	pkts (DR=8 Kbps)	pkts (DR=24 Kbps)	pkts (DR=64 Kbps)	pkts (DR=128 Kbps)
1	100%	100%	100%	100%	100%
2	100%	100%	100%	100%	100%
3	100%	100%	100%	100%	87.5%

Table 8. The percentage of received packets for the distance (km) at different Data Rates with transmitted power 27 dBm.

C. Section 5.5: Sensitivity comparison of RFD900+ and RFD900

Prior to performing tests on RFD900+, we conducted measurements using RFD900 that can be seen in Appendix 1. However, later we became aware that RFD900+ shows better performance than RFD900. In this section, we will compare the radio performances of RFD900 and RFD900+.

According to the manufacturer datasheet (RFDesign 2013), RFD900+ has an updated low-noise amplifier (LNA) that gives it a higher gain and high IP3 for high-interference environments. This results in approximately 1-2 dB higher sensitivity compared to the original RFD900. Comparative tests were performed for 10, 100 and 1000-metre distances for various data rates, as can be seen in Tables 9 to 11.

As can be seen, RFD900+ shows very good signal reception over varying distances. The improvement in RSSI ranges from 1 to 10 dB with tests conducted for a distance of 10 metres. The difference in RSSI is more meaningful for longer distances where RFD900+ has a 6-8 dBm improvement over RFD900.

Based on these results we conclude that the performance of the radio RFD900+ is better than RFD900 radio when the testing conducted on the level ground with a lot of external interference on both radios signal. Also the geographical nature of the Brighton beach had an impact clearly on the performance of both radios, however the RFD900+ was the best with these issues. Since the maximum distance achieved by RFD900+ is 3 Km while 1 Km is the maximum range for RFD900 radio.

At 1Km, by comparing between the received packet at 900+ and RFD900 radios at low transmitted power with 8, 24 and 64 Kbps data rate, it can be noticed that at 8 and 24Kbps data rate there is no loss packets in RFD900+ which means we received 100% of the Packets and received 75% of the packets at 64Kbps data rate as can be seen in table 9. However, in RFD900 radio the percentage of received packet is 66.6% at 8Kbps, 50% at 24Kbps and there is no received packet at 64Kbps as shown in table 12 in Appendix 1. This means that the receiver sensitivity of the RFD900+ is better than other UHF radio RFD900. Therefore, the claim of the RFDesign Company is accepted Based on measurements that have been analysed and show better performance for RFD900+ radio for the received signal strength indicator (RSSI) and received packets at 1Km with low transmitted power.

Data Rate(Kbps)	**8**	**8**	**8**	**24**	**24**	**24**	**64**	**64**	**64**
Transmitted Power(dBm)	**5**	**17**	**27**	**5**	**17**	**27**	**5**	**17**	**27**
(RFD900) RSSI dBm	**-32.4**	**-18.6**	**-15.3**	**-33.2**	**-19.1**	**-14.4**	**-31.2**	**-18.6**	**-13.8**
(RFD900+) RSSI dBm	**-22.3**	**-14.9**	**-13.3**	**-21.7**	**-13.3**	**-12.3**	**-20.7**	**-12.8**	**-12.3**

Table 9. Comparison between Received Signal Strength Indicator (RSSI) for RFD900 Radio and RFD900+ Radio with the same Data Rate and transmitted power at 10 m

Data Rate(Kbps)	**8**	**8**	**8**	**24**	**24**	**24**	**64**	**64**	**64**
Transmitted Power(dBm)	**5**	**17**	**27**	**5**	**17**	**27**	**5**	**17**	**27**
(RFD900) RSSI dBm	**-53.9**	**-41.7**	**-31.6**	**-53.8**	**-40.8**	**-31.7**	**-52.2**	**-40.5**	**-30.4**
(RFD900+) RSSI dBm	**-46.4**	**-34.7**	**-24.0**	**-47.4**	**-34.7**	**-24.7**	**-45.9**	**-34.1**	**-23.3**

Table 10. Comparison between Received Signal Strength Indicator (RSSI) for RFD900 Radio and RFD900+ Radio with the same Data Rate and transmitted power at 100 m.

Data Rate(Kbps)	8	8	8	24	24	24	64	64	64
Transmitted Power(dBm)	5	16	27	5	16	27	5	16	27
(RFD900) RSSI dBm	-87.7	-75.4	-63.7	-87.7	-78.1	-64.9	-102.3	-74.4	-63.3
(RFD900+) RSSI dBm	-81.3	-70.2	-58.6	-80.3	-70.2	-57.2	-78.6	-70.7	-57.6

Table 11. Comparison between Received Signal Strength Indicator (RSSI) for RFD900 Radio and RFD900+ Radio with the same Data Rate and transmitted power at 1000 m.

D. Section 5.6: Future work

The future work is to test newer version RFD900x of RFD900+ radios as this radio is expected to have still better performance. The performance of these two radios, i.e., the RFD900X and the RFD900+, shall be compared. Choosing the suitable location is required to test and get good result for both radios which means the place should be flat to be achieved Line Of Sight (LOS). Also, it should be away from buildings and the height of the antennas for both radio should be enough to avoid any interference, reflection or diffraction for RF signals**.** For example, in our testing for RFD900+ radio it was noticed that the maximum range was 3km, however it is supposed to be the maximum distance of more than 3 km for RFD900+ radio. The reason is referred to the nature of the Brighton beach with the presence of trees, Small hills and high buildings, which reduced the performance of the radio. However, such obstacles can provide better performance by providing multiple copies of the signal. A MIMO and receive diversity radio transceiver will show better performance if deployed in such environments. Apart from this, these radios need to be evaluated in Serval Mesh Extender project for sending long distance test messages. This will enable us to get real efficacy of these radios in actual environment.

VI. Chapter 6: Conclusion

A communication system using UHF RFD900 and RFD900+ was evaluated at Brighton Beach. The radio modems were interfaced with a laptop to configure as well as monitor the system. The link was tested for different transmitted power levels, data rates and distances. The antenna was fixed about 0.5 metre height from the ground level. The evaluation results indicated that communication was good with no packet loss for distances up to 2 km with the appropriate transmitted power. However, beyond 2 km the communication was poor or non-existent even for the lowest data rates, despite radio specifications indicating a range of 4 km. This was due to the antenna being mounted below the required height to clear the Fresnel Zone as well as provide LOS between transmitter and receiver. Another factor that contributed to reduced distance was a noise floor level significantly above the receiver sensitivity, making the receiver sensitivity virtually the same as the noise floor level. The comparison of the communication link using the RFD900 and RFD900+ showed that the RFD900+ radio provided a much better range due to improved LNA design and gain as compared to the RFD900 radio. Thus, we can state that the RFD900+ radio can provide good communication over a distance of 2-3 km in the case of a disaster, despite mounting the antenna at ground level, and the range can be increased if the antenna is mounted at a suitable height.

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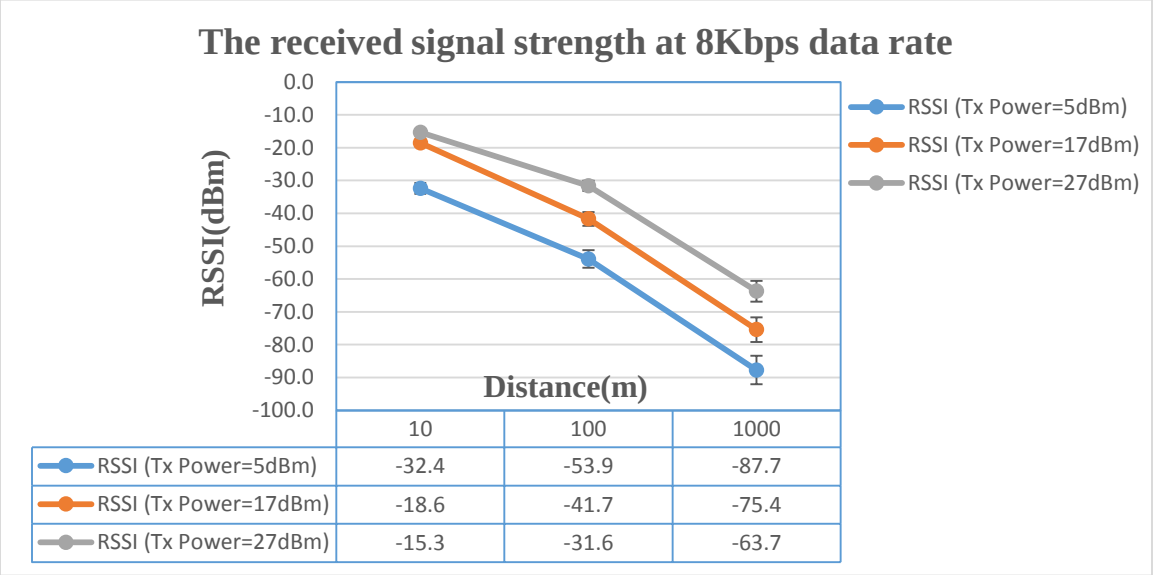
Appendix 1:

RFD900 Radio testing

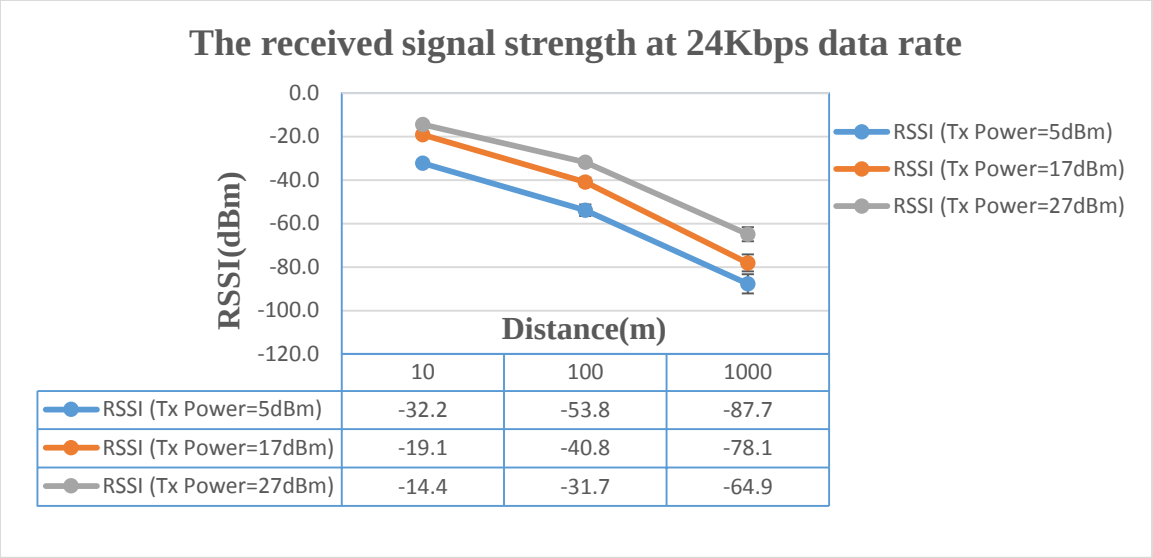
For range (10, 100, and 1000) meter at different data rate (8, 24, and 64) Kbps:



	10	100	1000
RSSI (Tx Power=5dBm)	-32.4	-53.9	-87.7
RSSI (Tx Power=17dBm)	-18.6	-41.7	-75.4
RSSI (Tx Power=27dBm)	-15.3	-31.6	-63.7

Figure 41. Curves of received signal strength (RSSI) in dBm by the distance in (m) at 8Kbps data rate with different transmitted power

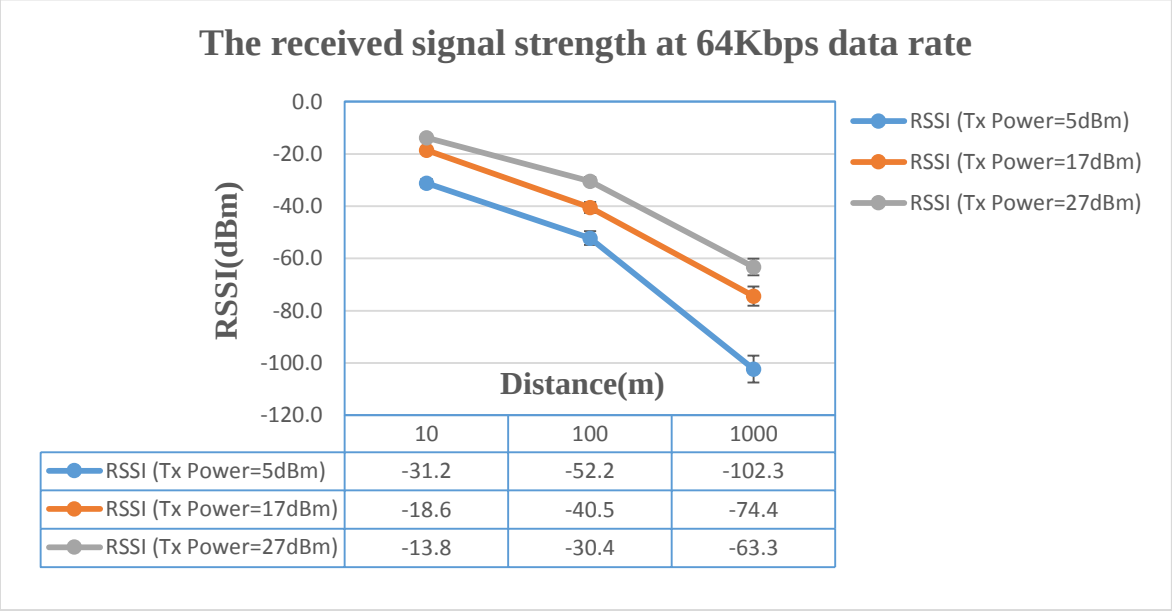
Noise floor (NF) = -106.93dBm Receiver sensitivity = -119dBm (according to the data-sheet)



	10	100	1000
RSSI (Tx Power=5dBm)	-32.2	-53.8	-87.7
RSSI (Tx Power=17dBm)	-19.1	-40.8	-78.1
RSSI (Tx Power=27dBm)	-14.4	-31.7	-64.9

Figure 42. Curves of received signal strength (RSSI) in dBm by the distance in (m) at 24Kbps data rate with different transmitted power

Noise floor (NF) = -108.02dBm Receiver sensitivity = -119dBm (according to the data-sheet)



	10	100	1000
RSSI (Tx Power=5dBm)	-31.2	-52.2	-102.3
RSSI (Tx Power=17dBm)	-18.6	-40.5	-74.4
RSSI (Tx Power=27dBm)	-13.8	-30.4	-63.3

Figure 43. Curves of received signal strength (RSSI) in dBm by the distance in (m) at 64Kbps data rate with different transmitted power

Noise floor (NF) = -100.88dBm Receiver sensitivity = -119dBm (according to the data-sheet)

RFD900 Radio

The relationship between the number of receiving packets and distance when the TX Power is constant for each steps.

Tx power = 5 dBm			
Distance	**pkts (DR=8Kbps)**	**pkts (DR=24 Kbps)**	**pkts (DR=64 Kbps)**
10m	100%	100%	100%
100m	100%	100%	100%
1000m	66.6%	50%	0%

Table 12. The percentage of receiving packets by the distance in (m) at different Data Rate with transmitted power 5dBm.

Tx power = 17 dBm			
Distance	**pkts (DR=8Kbps)**	**pkts (DR=24 Kbps)**	**pkts (DR=64 Kbps)**
10m	100%	100%	100%
100m	100%	100%	100%
1000m	100%	90%	80%

Table 13. The percentage of receiving packets by the distance in (m) at different Data Rate with transmitted power 17dBm.

Tx power = 27 dBm			
Distance	pkts (DR=8Kbps)	pkts (DR=24 Kbps)	pkts (DR=64 Kbps)
10m	100%	100%	100%
100m	100%	100%	100%
1000m	100%	100%	100%

Table 14. The percentage of receiving packets by the distance in (m) at different Data Rate with transmitted power 27dBm.

Appendix 2:

This part contains all the basic data which was collected during the testing of all steps for RFD900+ and RFD900 radios.

RFD900+ Short distance (1,10,50,100) meter

********** Distance: 1 meter *******************

1) ****DR(Air speed): 8 Kbps ******Tx power: 1 dBm

L/R RSSI: 212/212 L/R noise: 50/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 57/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 58/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 57/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 46/52 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 45/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 53/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 50/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 47/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 52/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

2) ***DR(Air speed): 8 Kbps ******Tx power: 5 dBm

L/R RSSI: 215/215 L/R noise: 49/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 215/215 L/R noise: 46/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 215/215 L/R noise: 47/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 215/215 L/R noise: 52/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 215/215 L/R noise: 52/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 215/215 L/R noise: 50/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 215/215 L/R noise: 53/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 215/215 L/R noise: 57/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 215/215 L/R noise: 53/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 215/215 L/R noise: 45/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

3) ****DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 216/218 L/R noise: 51/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 216/218 L/R noise: 45/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 216/218 L/R noise: 51/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 216/218 L/R noise: 55/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 216/218 L/R noise: 55/51 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 216/218 L/R noise: 55/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 54/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 216/218 L/R noise: 49/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 216/218 L/R noise: 46/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 216/218 L/R noise: 52/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 216/218 L/R noise: 50/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

4) ****DR(Air speed): 8 Kbps ******Tx power: 17 dBm

L/R RSSI: 221/216 L/R noise: 42/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 221/216 L/R noise: 49/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 221/216 L/R noise: 55/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 221/216 L/R noise: 56/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 221/216 L/R noise: 49/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 221/216 L/R noise: 56/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 221/216 L/R noise: 49/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 221/216 L/R noise: 49/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 221/216 L/R noise: 51/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 221/216 L/R noise: 44/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

5) DR(Air speed): 8 Kbps ******Tx power: 27 dBm

L/R RSSI: 218/216 L/R noise: 50/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 218/216 L/R noise: 51/58 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 218/216 L/R noise: 50/56 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 218/216 L/R noise: 48/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 218/216 L/R noise: 46/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 218/216 L/R noise: 47/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 218/216 L/R noise: 51/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 218/216 L/R noise: 49/51 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 218/216 L/R noise: 47/52 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 218/216 L/R noise: 54/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

6) *****DR(Air speed): 24 Kbps ******Tx power: 1 dBm

L/R RSSI: 212/211 L/R noise: 46/50 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 52/47 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 212/212 L/R noise: 47/43 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 212/212 L/R noise: 53/45 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 212/212 L/R noise: 49/45 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 212/212 L/R noise: 52/45 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 49/47 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 47/45 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 212/212 L/R noise: 53/47 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 212/212 L/R noise: 55/49 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 212/212 L/R noise: 49/44 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 212/212 L/R noise: 47/39 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=24 dco=0

7) **DR(Air speed): 24 Kbps ******Tx power: 5 dBm

L/R RSSI: 214/217 L/R noise: 50/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/217 L/R noise: 50/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/217 L/R noise: 46/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/217 L/R noise: 45/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/217 L/R noise: 45/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/217 L/R noise: 51/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/217 L/R noise: 48/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/217 L/R noise: 46/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/217 L/R noise: 45/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/217 L/R noise: 49/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

8) DR(Air speed): 24 Kbps ******Tx power: 8 dBm

L/R RSSI: 215/216 L/R noise: 51/49 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 55/50 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 55/47 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 57/47 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 52/49 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 55/47 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 50/52 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 54/49 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 54/48 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 52/53 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 43/45 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 55/47 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 52/47 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

9) ****DR(Air speed): 24 Kbps ******Tx power: 17 dBm

L/R RSSI: 215/216 L/R noise: 48/48 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 56/45 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 50/48 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 215/216 L/R noise: 52/47 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 53/47 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 55/43 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 53/48 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 52/50 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 47/51 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 46/45 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/216 L/R noise: 54/43 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

10) ***DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 217/218 L/R noise: 46/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/218 L/R noise: 51/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/218 L/R noise: 42/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/218 L/R noise: 48/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/218 L/R noise: 53/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/218 L/R noise: 49/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/218 L/R noise: 47/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/218 L/R noise: 48/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/218 L/R noise: 57/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/218 L/R noise: 52/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

11) ***DR(Air speed): 64 Kbps ******Tx power: 1 dBm

L/R RSSI: 213/216 L/R noise: 55/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/216 L/R noise: 57/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/216 L/R noise: 58/56 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/216 L/R noise: 60/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/216 L/R noise: 55/54 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/216 L/R noise: 56/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/216 L/R noise: 57/54 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/216 L/R noise: 61/57 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/216 L/R noise: 58/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/216 L/R noise: 51/56 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

12) ****DR(Air speed): 64 Kbps ******Tx power: 5 dBm

L/R RSSI: 216/218 L/R noise: 54/59 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 58/56 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 58/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 56/58 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 58/58 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 56/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 59/54 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 55/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 57/54 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/218 L/R noise: 57/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

13) ***DR(Air speed): 64 Kbps ******Tx power: 8 dBm

L/R RSSI: 217/217 L/R noise: 59/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 52/54 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 54/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 61/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 59/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 56/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 55/53 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 52/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 56/58 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 56/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

14) ****DR(Air speed): 64 Kbps ******Tx power: 17 dBm

L/R RSSI: 219/220 L/R noise: 59/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/220 L/R noise: 58/55 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/220 L/R noise: 58/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/220 L/R noise: 56/55 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/220 L/R noise: 57/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/220 L/R noise: 62/65 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/220 L/R noise: 62/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/220 L/R noise: 61/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/220 L/R noise: 54/56 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/220 L/R noise: 54/58 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

15) ****DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 218/219 L/R noise: 56/56 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 57/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 56/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 60/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 66/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 61/55 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 53/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 57/53 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 57/58 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 57/55 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 56/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/219 L/R noise: 56/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

16) ***DR(Air speed): 128 Kbps ******Tx power: 1 dBm

L/R RSSI: 213/214 L/R noise: 66/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/214 L/R noise: 70/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/215 L/R noise: 67/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/214 L/R noise: 67/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/214 L/R noise: 67/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/214 L/R noise: 71/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/214 L/R noise: 65/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/214 L/R noise: 70/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/215 L/R noise: 65/64 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/214 L/R noise: 66/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

17) ****DR(Air speed): 128 Kbps ******Tx power: 5 dBm

L/R RSSI: 217/216 L/R noise: 71/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/215 L/R noise: 69/64 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/215 L/R noise: 65/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/215 L/R noise: 65/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/215 L/R noise: 66/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/215 L/R noise: 64/65 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/215 L/R noise: 68/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/215 L/R noise: 66/65 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/215 L/R noise: 70/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/215 L/R noise: 71/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

18) ***DR(Air speed): 128 Kbps ******Tx power: 8 dBm

L/R RSSI: 217/217 L/R noise: 62/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 58/63 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 67/63 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 68/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 67/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 67/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 65/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 70/71 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 69/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 66/65 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 67/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 217/217 L/R noise: 69/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

19) ***DR(Air speed): 128 Kbps ******Tx power: 17 dBm

L/R RSSI: 219/221 L/R noise: 58/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/221 L/R noise: 62/65 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/221 L/R noise: 65/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/221 L/R noise: 60/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/221 L/R noise: 58/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/221 L/R noise: 63/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/221 L/R noise: 60/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/221 L/R noise: 60/63 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/221 L/R noise: 68/65 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/221 L/R noise: 67/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

20) **DR(Air speed): 128 Kbps ******Tx power: 27 dBm

L/R RSSI: 219/219 L/R noise: 61/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/219 L/R noise: 62/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/219 L/R noise: 68/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/219 L/R noise: 64/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/219 L/R noise: 65/64 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/219 L/R noise: 65/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/219 L/R noise: 67/64 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/219 L/R noise: 70/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/219 L/R noise: 60/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

21) **DR(Air speed): 250 Kbps ******Tx power: 1 dBm

L/R RSSI: 207/203 L/R noise: 66/68 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/205 L/R noise: 76/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/203 L/R noise: 70/67 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/205 L/R noise: 77/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 207/204 L/R noise: 67/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/205 L/R noise: 78/64 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/204 L/R noise: 71/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/205 L/R noise: 76/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/204 L/R noise: 63/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/204 L/R noise: 73/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/204 L/R noise: 62/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/206 L/R noise: 76/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

22) ****DR(Air speed): 250 Kbps ******Tx power: 5 dBm

L/R RSSI: 213/208 L/R noise: 65/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 212/210 L/R noise: 69/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 212/209 L/R noise: 69/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 212/209 L/R noise: 78/65 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/208 L/R noise: 72/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 212/209 L/R noise: 74/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 212/208 L/R noise: 72/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/208 L/R noise: 77/65 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/209 L/R noise: 67/61 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 212/209 L/R noise: 81/64 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/210 L/R noise: 69/61 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 213/208 L/R noise: 82/65 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 214/209 L/R noise: 64/65 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

23) **DR(Air speed): 250 Kbps ******Tx power: 8 dBm

L/R RSSI: 216/210 L/R noise: 72/61 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/210 L/R noise: 73/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/211 L/R noise: 74/65 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/210 L/R noise: 67/64 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/211 L/R noise: 75/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 215/209 L/R noise: 71/69 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/209 L/R noise: 84/68 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/209 L/R noise: 65/65 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/210 L/R noise: 75/64 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 216/208 L/R noise: 70/64 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

24) ***DR(Air speed): 250 Kbps ******Tx power: 17 dBm

L/R RSSI: 219/216 L/R noise: 70/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/216 L/R noise: 82/64 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/216 L/R noise: 70/67 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/216 L/R noise: 77/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/215 L/R noise: 68/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/217 L/R noise: 75/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/215 L/R noise: 66/64 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/216 L/R noise: 80/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/216 L/R noise: 71/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/217 L/R noise: 80/70 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/214 L/R noise: 70/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

25) ***DR(Air speed): 250 Kbps ******Tx power: 27 dBm

L/R RSSI: 219/217 L/R noise: 80/71 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 65/63 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 77/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 65/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 81/61 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 71/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 82/72 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 70/71 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 83/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 64/65 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 219/218 L/R noise: 84/65 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

********** Distance: 10 meter *****************

1) ***DR(Air speed): 8 Kbps ******Tx power: 1 dBm

L/R RSSI: 189/189 L/R noise: 45/36 pkts: 3 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 189/189 L/R noise: 41/37 pkts: 3 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 40/37 pkts: 4 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 42/37 pkts: 3 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 46/39 pkts: 3 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 46/38 pkts: 4 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 46/38 pkts: 3 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 44/38 pkts: 3 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 43/38 pkts: 4 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=13 dco=0

L/R RSSI: 189/189 L/R noise: 40/38 pkts: 3 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 41/40 pkts: 3 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 39/39 pkts: 4 txe=1 rxe=0 stx=0 srx=0 ecc=0/0 temp=13 dco=0

2) ****DR(Air speed): 8 Kbps ******Tx power: 5 dBm

L/R RSSI: 199/201 L/R noise: 47/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 41/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 42/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 45/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 41/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 38/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 39/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 44/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 43/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 45/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 199/201 L/R noise: 42/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

3) **DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 202/207 L/R noise: 47/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 42/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 42/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 47/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 44/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 49/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 64/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 51/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 46/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 49/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/207 L/R noise: 44/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

4) **DR(Air speed): 8 Kbps ******Tx power: 17 dBm

L/R RSSI: 213/213 L/R noise: 41/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 213/213 L/R noise: 44/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 213/213 L/R noise: 43/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 213/213 L/R noise: 40/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 213/213 L/R noise: 40/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 213/213 L/R noise: 40/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 213/213 L/R noise: 39/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 213/213 L/R noise: 42/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 213/213 L/R noise: 44/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 213/213 L/R noise: 44/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

5) ***DR(Air speed): 8 Kbps ******Tx power: 27 dBm

L/R RSSI: 215/214 L/R noise: 45/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=13 dco=0

L/R RSSI: 216/217 L/R noise: 42/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 216/217 L/R noise: 43/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 216/217 L/R noise: 38/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 216/217 L/R noise: 41/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 216/217 L/R noise: 39/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 216/217 L/R noise: 44/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 216/217 L/R noise: 44/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 216/217 L/R noise: 49/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 216/217 L/R noise: 47/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 216/217 L/R noise: 45/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

6) ***DR(Air speed): 24 Kbps ******Tx power: 1 dBm

L/R RSSI: 192/191 L/R noise: 44/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/191 L/R noise: 43/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/191 L/R noise: 42/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/192 L/R noise: 41/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/192 L/R noise: 41/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/192 L/R noise: 48/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/192 L/R noise: 41/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/192 L/R noise: 45/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/192 L/R noise: 43/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/192 L/R noise: 43/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/192 L/R noise: 43/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 192/192 L/R noise: 44/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

7) **DR(Air speed): 24 Kbps ******Tx power: 5 dBm

L/R RSSI: 199/200 L/R noise: 40/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 200/200 L/R noise: 40/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 200/200 L/R noise: 48/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 200/200 L/R noise: 45/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 200/200 L/R noise: 40/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 200/200 L/R noise: 39/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 200/200 L/R noise: 40/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 200/200 L/R noise: 41/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 200/200 L/R noise: 39/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 200/200 L/R noise: 44/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 201/200 L/R noise: 45/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

8) ***DR(Air speed): 24 Kbps ******Tx power: 8 dBm

L/R RSSI: 205/206 L/R noise: 38/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 205/206 L/R noise: 41/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 205/206 L/R noise: 42/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 44/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 45/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 44/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 45/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 43/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 42/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 39/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 42/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 40/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 41/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 205/206 L/R noise: 40/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

9) ****DR(Air speed): 24 Kbps ******Tx power: 17 dBm

L/R RSSI: 218/216 L/R noise: 52/48 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 52/50 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 52/46 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 51/46 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 56/41 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 58/48 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 50/48 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 48/41 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 48/44 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 47/50 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 46/48 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 218/216 L/R noise: 49/47 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

10) **DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 212/200 L/R noise: 41/38 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/210 L/R noise: 45/40 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/216 L/R noise: 44/37 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/217 L/R noise: 41/38 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/217 L/R noise: 40/36 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/217 L/R noise: 42/36 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/217 L/R noise: 42/39 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/217 L/R noise: 41/42 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/217 L/R noise: 41/42 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/217 L/R noise: 41/41 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/217 L/R noise: 42/37 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 216/217 L/R noise: 45/38 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 217/217 L/R noise: 40/40 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

11) ***DR(Air speed): 64 Kbps ******Tx power: 1 dBm

L/R RSSI: 193/194 L/R noise: 51/44 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 193/194 L/R noise: 52/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 50/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 50/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 52/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 49/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 51/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 48/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 48/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 193/194 L/R noise: 47/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 50/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 52/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 48/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 193/194 L/R noise: 50/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

12) ***DR(Air speed): 64 Kbps ******Tx power: 5 dBm

L/R RSSI: 202/203 L/R noise: 52/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/203 L/R noise: 58/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/204 L/R noise: 52/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/203 L/R noise: 50/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/203 L/R noise: 48/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/203 L/R noise: 55/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/204 L/R noise: 49/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/205 L/R noise: 52/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/204 L/R noise: 49/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/204 L/R noise: 50/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/204 L/R noise: 55/44 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/204 L/R noise: 49/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

13) ****DR(Air speed): 64 Kbps ******Tx power: 8 dBm

L/R RSSI: 210/206 L/R noise: 57/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 209/206 L/R noise: 50/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 209/206 L/R noise: 52/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 209/206 L/R noise: 45/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 209/206 L/R noise: 48/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 210/206 L/R noise: 54/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 210/206 L/R noise: 51/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 209/206 L/R noise: 50/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 209/206 L/R noise: 55/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 209/206 L/R noise: 51/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 208/206 L/R noise: 50/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 208/206 L/R noise: 52/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 208/206 L/R noise: 49/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

14) **DR(Air speed): 64 Kbps ******Tx power: 17 dBm

L/R RSSI: 214/215 L/R noise: 54/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/215 L/R noise: 53/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 214/215 L/R noise: 56/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/215 L/R noise: 49/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 214/215 L/R noise: 54/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 214/215 L/R noise: 50/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/215 L/R noise: 51/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/215 L/R noise: 48/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 214/215 L/R noise: 49/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/215 L/R noise: 48/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/215 L/R noise: 50/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

15) ***DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 217/219 L/R noise: 48/44 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 217/219 L/R noise: 49/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 217/219 L/R noise: 53/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 218/219 L/R noise: 53/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/219 L/R noise: 48/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/219 L/R noise: 52/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/219 L/R noise: 49/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/219 L/R noise: 55/53 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/219 L/R noise: 49/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 218/219 L/R noise: 48/51 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/219 L/R noise: 53/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/219 L/R noise: 50/44 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/219 L/R noise: 51/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/219 L/R noise: 54/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

16) ***DR(Air speed): 128 Kbps ******Tx power: 1 dBm

L/R RSSI: 189/190 L/R noise: 63/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/189 L/R noise: 60/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 190/188 L/R noise: 60/52 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/188 L/R noise: 56/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 190/188 L/R noise: 57/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 188/188 L/R noise: 57/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 190/186 L/R noise: 57/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 190/188 L/R noise: 55/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 187/189 L/R noise: 57/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 189/188 L/R noise: 58/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 188/188 L/R noise: 55/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 190/187 L/R noise: 56/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 190/188 L/R noise: 56/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 190/189 L/R noise: 60/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

17) **DR(Air speed): 128 Kbps ******Tx power: 5 dBm

L/R RSSI: 197/199 L/R noise: 63/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 197/198 L/R noise: 61/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 197/198 L/R noise: 59/57 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 196/198 L/R noise: 60/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 196/199 L/R noise: 58/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 196/198 L/R noise: 55/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 196/199 L/R noise: 61/50 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 198/198 L/R noise: 60/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 197/198 L/R noise: 63/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 196/198 L/R noise: 58/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 195/199 L/R noise: 57/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

18) **DR(Air speed): 128 Kbps ******Tx power: 8 dBm

L/R RSSI: 202/204 L/R noise: 58/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/204 L/R noise: 54/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/203 L/R noise: 60/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 203/204 L/R noise: 53/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/204 L/R noise: 66/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/203 L/R noise: 61/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/204 L/R noise: 57/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 204/204 L/R noise: 56/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 202/204 L/R noise: 69/57 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/204 L/R noise: 61/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 203/203 L/R noise: 62/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

19) **DR(Air speed): 128 Kbps ******Tx power: 17 dBm

L/R RSSI: 214/216 L/R noise: 57/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 215/216 L/R noise: 63/53 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 215/216 L/R noise: 63/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/216 L/R noise: 67/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/216 L/R noise: 61/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/216 L/R noise: 61/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/216 L/R noise: 66/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/216 L/R noise: 63/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 215/216 L/R noise: 65/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/216 L/R noise: 65/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 214/216 L/R noise: 63/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

20) **DR(Air speed): 128 Kbps ******Tx power: 27 dBm

L/R RSSI: 218/222 L/R noise: 60/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 56/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 62/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 57/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 59/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 56/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 60/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 54/53 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 61/55 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 64/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 65/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 218/222 L/R noise: 65/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

21) ***DR(Air speed): 250 Kbps ******Tx power: 1 dBm

L/R RSSI: 176/180 L/R noise: 61/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 176/180 L/R noise: 67/59 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 177/181 L/R noise: 66/57 pkts: 14 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 175/181 L/R noise: 61/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 177/179 L/R noise: 71/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 176/180 L/R noise: 63/54 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 176/181 L/R noise: 75/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 177/181 L/R noise: 63/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 178/181 L/R noise: 71/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 176/181 L/R noise: 59/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 177/181 L/R noise: 71/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 176/180 L/R noise: 59/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

22) **DR(Air speed): 250 Kbps ******Tx power: 5 dBm

L/R RSSI: 181/184 L/R noise: 60/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 180/185 L/R noise: 66/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 180/184 L/R noise: 61/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 181/184 L/R noise: 66/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 182/184 L/R noise: 58/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 180/184 L/R noise: 70/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 180/183 L/R noise: 60/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 180/184 L/R noise: 67/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 181/184 L/R noise: 60/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 181/184 L/R noise: 69/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 181/183 L/R noise: 62/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

23) **DR(Air speed): 250 Kbps ******Tx power: 8 dB

L/R RSSI: 183/184 L/R noise: 58/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 184/185 L/R noise: 65/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 183/185 L/R noise: 61/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 183/185 L/R noise: 74/61 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 184/184 L/R noise: 58/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 184/186 L/R noise: 70/67 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 183/184 L/R noise: 57/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 183/184 L/R noise: 72/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 182/185 L/R noise: 55/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 183/185 L/R noise: 70/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 183/183 L/R noise: 59/54 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 181/185 L/R noise: 73/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 183/185 L/R noise: 61/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

24) ***DR(Air speed): 250 Kbps ******Tx power: 17 dBm

L/R RSSI: 185/197 L/R noise: 64/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 186/197 L/R noise: 73/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 187/199 L/R noise: 62/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 188/199 L/R noise: 74/57 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 185/197 L/R noise: 62/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 186/198 L/R noise: 75/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 185/199 L/R noise: 61/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 187/199 L/R noise: 71/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 184/196 L/R noise: 60/71 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 185/199 L/R noise: 76/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 185/199 L/R noise: 60/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 186/195 L/R noise: 77/61 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 185/197 L/R noise: 61/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 186/199 L/R noise: 78/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

25) **DR(Air speed): 250 Kbps ******Tx power: 27 dBm

L/R RSSI: 196/205 L/R noise: 59/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 197/209 L/R noise: 72/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 194/205 L/R noise: 63/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 195/207 L/R noise: 74/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 197/205 L/R noise: 58/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 197/206 L/R noise: 69/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 194/207 L/R noise: 57/64 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 198/208 L/R noise: 74/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 198/204 L/R noise: 58/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 197/204 L/R noise: 70/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

L/R RSSI: 197/205 L/R noise: 59/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=11 dco=0

********** Distance: 50 meter **********

1) *DR(Air speed): 8 Kbps ******Tx power: 1 dBm

L/R RSSI: 158/158 L/R noise: 52/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 161/157 L/R noise: 48/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 155/149 L/R noise: 45/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 158/149 L/R noise: 50/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 153/154 L/R noise: 51/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 156/155 L/R noise: 50/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 156/156 L/R noise: 46/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 149/158 L/R noise: 47/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 150/152 L/R noise: 50/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 154/149 L/R noise: 56/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

2) ****DR(Air speed): 8 Kbps ******Tx power: 5 dBm

L/R RSSI: 160/160 L/R noise: 50/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 161/161 L/R noise: 53/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 162/160 L/R noise: 58/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 165/163 L/R noise: 53/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 167/165 L/R noise: 46/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 162/167 L/R noise: 47/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 166/167 L/R noise: 44/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 169/168 L/R noise: 47/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 167/168 L/R noise: 47/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 169/168 L/R noise: 52/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

3) **DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 173/168 L/R noise: 54/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 174/171 L/R noise: 48/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 172/171 L/R noise: 52/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 173/171 L/R noise: 53/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 171/171 L/R noise: 46/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 172/170 L/R noise: 52/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 172/173 L/R noise: 51/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 176/173 L/R noise: 54/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 172/175 L/R noise: 52/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

4) **DR(Air speed): 8 Kbps ******Tx power: 17 dBm

L/R RSSI: 188/188 L/R noise: 52/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 191/191 L/R noise: 50/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 187/192 L/R noise: 46/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 191/189 L/R noise: 52/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 193/192 L/R noise: 46/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 193/193 L/R noise: 48/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 194/191 L/R noise: 44/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 187/183 L/R noise: 45/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 190/184 L/R noise: 48/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

5) **DR(Air speed): 8 Kbps ******Tx power: 27 dBm

L/R RSSI: 207/207 L/R noise: 46/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 209/208 L/R noise: 45/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 210/208 L/R noise: 46/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 209/204 L/R noise: 43/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 207/204 L/R noise: 46/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 204/204 L/R noise: 46/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 206/201 L/R noise: 50/69 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 207/204 L/R noise: 46/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 207/204 L/R noise: 45/54 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 207/202 L/R noise: 47/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

6) ***DR(Air speed): 24 Kbps ******Tx power: 1 dBm

L/R RSSI: 155/156 L/R noise: 50/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 155/153 L/R noise: 48/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 158/157 L/R noise: 46/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 159/156 L/R noise: 52/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 151/156 L/R noise: 44/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 152/149 L/R noise: 43/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 154/151 L/R noise: 43/66 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 158/156 L/R noise: 41/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 160/158 L/R noise: 50/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 160/157 L/R noise: 53/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

7) *DR(Air speed): 24 Kbps ******Tx power: 5 dBm

L/R RSSI: 169/171 L/R noise: 49/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 170/170 L/R noise: 51/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 173/170 L/R noise: 51/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 172/169 L/R noise: 43/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 172/169 L/R noise: 47/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 171/171 L/R noise: 47/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 168/170 L/R noise: 41/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 167/166 L/R noise: 42/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 170/164 L/R noise: 44/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 172/165 L/R noise: 50/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

8) **DR(Air speed): 24 Kbps ******Tx power: 8 dBm

L/R RSSI: 170/172 L/R noise: 39/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 175/169 L/R noise: 43/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 175/174 L/R noise: 45/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 174/175 L/R noise: 49/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 173/175 L/R noise: 52/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 174/170 L/R noise: 49/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 173/173 L/R noise: 44/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 174/173 L/R noise: 43/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 172/173 L/R noise: 42/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 170/171 L/R noise: 48/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 169/168 L/R noise: 48/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 171/165 L/R noise: 49/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

9) ***DR(Air speed): 24 Kbps ******Tx power: 17 dBm

L/R RSSI: 193/192 L/R noise: 46/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 190/192 L/R noise: 47/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 195/190 L/R noise: 46/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 195/195 L/R noise: 49/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 193/195 L/R noise: 48/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 183/196 L/R noise: 46/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 188/188 L/R noise: 48/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 188/186 L/R noise: 45/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 191/192 L/R noise: 49/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

10) **DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 208/201 L/R noise: 45/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 210/206 L/R noise: 48/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 210/208 L/R noise: 50/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 209/209 L/R noise: 52/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 203/211 L/R noise: 53/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 206/208 L/R noise: 51/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 207/204 L/R noise: 50/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/209 L/R noise: 47/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 210/208 L/R noise: 40/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 206/206 L/R noise: 39/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

11) **DR(Air speed): 64 Kbps ******Tx power: 1 dBm

L/R RSSI: 152/152 L/R noise: 73/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 157/154 L/R noise: 54/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 154/157 L/R noise: 51/49 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 159/157 L/R noise: 51/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 160/159 L/R noise: 54/51 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 160/157 L/R noise: 53/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 157/152 L/R noise: 51/50 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 156/152 L/R noise: 50/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 159/153 L/R noise: 54/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 158/155 L/R noise: 55/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

12) DR(Air speed): 64 Kbps ******Tx power: 5 dBm

L/R RSSI: 166/166 L/R noise: 52/69 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 168/164 L/R noise: 54/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 166/164 L/R noise: 63/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 165/161 L/R noise: 54/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 164/161 L/R noise: 70/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 166/160 L/R noise: 50/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 169/163 L/R noise: 56/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 169/168 L/R noise: 57/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 169/168 L/R noise: 52/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

13) ***DR(Air speed): 64 Kbps ******Tx power: 8 dBm

L/R RSSI: 173/168 L/R noise: 56/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 173/173 L/R noise: 54/54 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 170/172 L/R noise: 59/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 172/167 L/R noise: 54/54 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 172/167 L/R noise: 54/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 175/172 L/R noise: 53/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 174/174 L/R noise: 56/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 176/170 L/R noise: 51/57 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 174/174 L/R noise: 54/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 170/174 L/R noise: 52/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

14) *DR(Air speed): 64 Kbps ******Tx power: 17 dBm

L/R RSSI: 190/168 L/R noise: 55/50 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 185/172 L/R noise: 54/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 191/169 L/R noise: 53/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 191/174 L/R noise: 56/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 191/173 L/R noise: 53/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 190/170 L/R noise: 55/49 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 189/173 L/R noise: 53/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 192/172 L/R noise: 54/50 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 191/173 L/R noise: 52/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 185/172 L/R noise: 53/49 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

15) **DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 210/209 L/R noise: 57/51 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 210/205 L/R noise: 56/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 211/210 L/R noise: 51/50 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 211/211 L/R noise: 51/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 205/211 L/R noise: 54/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 208/208 L/R noise: 54/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 208/202 L/R noise: 56/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 209/208 L/R noise: 55/51 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 198/209 L/R noise: 53/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 204/204 L/R noise: 56/50 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

16) *DR(Air speed): 128 Kbps ******Tx power: 1 dBm

L/R RSSI: 157/161 L/R noise: 61/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 158/152 L/R noise: 73/59 pkts: 6 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 161/156 L/R noise: 67/68 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 163/160 L/R noise: 63/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 161/158 L/R noise: 61/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 159/158 L/R noise: 59/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 160/159 L/R noise: 55/56 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 152/158 L/R noise: 61/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 160/155 L/R noise: 58/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 161/157 L/R noise: 59/64 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

17) *DR(Air speed): 128 Kbps ******Tx power: 5 dBm

L/R RSSI: 163/167 L/R noise: 62/60 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 163/161 L/R noise: 66/58 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 164/162 L/R noise: 66/70 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 159/163 L/R noise: 63/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 151/155 L/R noise: 68/66 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 162/163 L/R noise: 61/70 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 165/167 L/R noise: 62/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 160/164 L/R noise: 62/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 163/164 L/R noise: 65/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 162/165 L/R noise: 63/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

18) **DR(Air speed): 128 Kbps ******Tx power: 8 dBm

L/R RSSI: 170/168 L/R noise: 68/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 165/170 L/R noise: 60/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 167/165 L/R noise: 60/69 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 169/170 L/R noise: 63/58 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 170/172 L/R noise: 58/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 167/172 L/R noise: 61/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 165/171 L/R noise: 70/57 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 167/171 L/R noise: 62/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 166/161 L/R noise: 69/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 169/170 L/R noise: 70/72 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

19) *DR(Air speed): 128 Kbps ******Tx power: 17 dBm

L/R RSSI: 180/179 L/R noise: 65/63 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 181/181 L/R noise: 66/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 181/182 L/R noise: 67/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 181/178 L/R noise: 67/58 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 178/182 L/R noise: 61/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 174/180 L/R noise: 66/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 178/178 L/R noise: 63/72 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 179/178 L/R noise: 64/72 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 181/179 L/R noise: 61/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 180/180 L/R noise: 63/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

20) **DR(Air speed): 128 Kbps ******Tx power: 27 dBm

L/R RSSI: 205/206 L/R noise: 68/71 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 205/207 L/R noise: 60/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 207/208 L/R noise: 67/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 205/206 L/R noise: 60/55 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 204/205 L/R noise: 76/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 200/203 L/R noise: 64/58 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 197/200 L/R noise: 58/59 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 203/204 L/R noise: 69/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 205/208 L/R noise: 64/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 205/205 L/R noise: 64/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

21) **DR(Air speed): 250 Kbps ******Tx power: 1 dBm

L/R RSSI: 145/149 L/R noise: 73/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 148/150 L/R noise: 64/65 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 146/151 L/R noise: 71/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 148/153 L/R noise: 63/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 146/149 L/R noise: 65/57 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 148/151 L/R noise: 62/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 148/150 L/R noise: 73/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 146/149 L/R noise: 63/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 147/142 L/R noise: 73/61 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 151/148 L/R noise: 63/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

22) ***DR(Air speed): 250 Kbps ******Tx power: 5 dBm

L/R RSSI: 154/152 L/R noise: 76/70 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 150/156 L/R noise: 60/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 151/155 L/R noise: 64/69 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 150/152 L/R noise: 59/68 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 153/157 L/R noise: 73/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 152/155 L/R noise: 63/60 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 154/156 L/R noise: 67/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 153/151 L/R noise: 76/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 155/157 L/R noise: 68/59 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 153/158 L/R noise: 67/60 pkts: 14 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

23) **DR(Air speed): 250 Kbps ******Tx power: 8 dBm

L/R RSSI: 159/163 L/R noise: 71/73 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 159/163 L/R noise: 66/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 157/160 L/R noise: 73/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 158/164 L/R noise: 61/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 157/162 L/R noise: 70/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 159/165 L/R noise: 62/61 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 159/164 L/R noise: 72/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 156/164 L/R noise: 61/62 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 160/163 L/R noise: 69/67 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 158/162 L/R noise: 71/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 157/162 L/R noise: 71/62 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

24) ***DR(Air speed): 250 Kbps ******Tx power: 17 dBm

L/R RSSI: 167/173 L/R noise: 77/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 171/173 L/R noise: 61/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 170/174 L/R noise: 73/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 168/173 L/R noise: 62/63 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 169/173 L/R noise: 74/62 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 170/174 L/R noise: 61/59 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 167/174 L/R noise: 80/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 166/173 L/R noise: 66/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 168/174 L/R noise: 73/66 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 171/174 L/R noise: 64/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

25) *DR(Air speed): 250 Kbps ******Tx power: 27 dBm

L/R RSSI: 176/186 L/R noise: 67/62 pkts: 13 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 176/185 L/R noise: 63/67 pkts: 12 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 178/186 L/R noise: 73/74 pkts: 13 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 177/189 L/R noise: 64/63 pkts: 13 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 178/187 L/R noise: 65/58 pkts: 12 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 178/187 L/R noise: 60/59 pkts: 13 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 177/184 L/R noise: 74/63 pkts: 12 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 179/186 L/R noise: 64/58 pkts: 13 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 177/184 L/R noise: 78/60 pkts: 13 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 174/184 L/R noise: 62/61 pkts: 12 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=20 dco=0

********** Distance: 100 meter ******************

1) **DR(Air speed): 8 Kbps ******Tx power: 1 dBm

L/R RSSI: 143/142 L/R noise: 47/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 144/144 L/R noise: 47/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 145/144 L/R noise: 45/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 143/145 L/R noise: 47/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 145/143 L/R noise: 46/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 142/145 L/R noise: 46/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 143/144 L/R noise: 48/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 143/144 L/R noise: 47/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 143/144 L/R noise: 50/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 143/142 L/R noise: 50/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 142/144 L/R noise: 52/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 142/144 L/R noise: 50/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

2) *DR(Air speed): 8 Kbps ******Tx power: 5 dBm

L/R RSSI: 153/154 L/R noise: 50/38 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 153/153 L/R noise: 46/37 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 154/155 L/R noise: 48/39 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 154/155 L/R noise: 50/40 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 153/154 L/R noise: 52/39 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 152/152 L/R noise: 49/40 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 152/151 L/R noise: 46/39 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 153/152 L/R noise: 48/38 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 153/154 L/R noise: 49/38 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 155/154 L/R noise: 50/38 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=22 dco=0

3) *DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 158/158 L/R noise: 52/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 157/158 L/R noise: 48/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 157/157 L/R noise: 47/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 157/158 L/R noise: 47/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 158/158 L/R noise: 49/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 158/159 L/R noise: 48/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 159/160 L/R noise: 48/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 158/160 L/R noise: 48/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 159/159 L/R noise: 46/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 157/159 L/R noise: 46/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 157/159 L/R noise: 47/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 158/158 L/R noise: 51/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

4) ***DR(Air speed): 8 Kbps ******Tx power: 17 dBm

L/R RSSI: 176/177 L/R noise: 46/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 175/177 L/R noise: 49/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 176/177 L/R noise: 50/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 175/175 L/R noise: 53/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 176/175 L/R noise: 50/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 176/177 L/R noise: 54/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 176/175 L/R noise: 52/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 175/175 L/R noise: 48/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 174/176 L/R noise: 46/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 175/175 L/R noise: 47/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 176/175 L/R noise: 46/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

5) ****DR(Air speed): 8 Kbps ******Tx power: 27 dBm

L/R RSSI: 196/195 L/R noise: 48/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 194/195 L/R noise: 49/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 195/195 L/R noise: 47/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 194/195 L/R noise: 46/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 196/194 L/R noise: 49/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 196/194 L/R noise: 48/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 196/196 L/R noise: 54/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 195/196 L/R noise: 51/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 196/196 L/R noise: 53/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 196/196 L/R noise: 52/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 195/195 L/R noise: 53/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

6) ***DR(Air speed): 24 Kbps ******Tx power: 1 dBm

L/R RSSI: 144/145 L/R noise: 48/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 144/145 L/R noise: 50/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 143/144 L/R noise: 46/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 143/142 L/R noise: 44/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 144/142 L/R noise: 47/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 144/144 L/R noise: 47/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 145/144 L/R noise: 47/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 143/145 L/R noise: 47/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 143/144 L/R noise: 47/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 142/143 L/R noise: 48/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

7) **DR(Air speed): 24 Kbps ******Tx power: 5 dBm

L/R RSSI: 152/153 L/R noise: 50/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 151/153 L/R noise: 51/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 151/152 L/R noise: 46/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 151/151 L/R noise: 43/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 151/152 L/R noise: 50/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 152/153 L/R noise: 48/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 154/153 L/R noise: 46/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 151/154 L/R noise: 46/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 152/154 L/R noise: 46/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 150/154 L/R noise: 46/34 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 150/150 L/R noise: 46/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 150/149 L/R noise: 48/33 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 151/149 L/R noise: 47/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

8) **DR(Air speed): 24 Kbps ******Tx power: 8 dBm

L/R RSSI: 141/160 L/R noise: 42/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 151/160 L/R noise: 46/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 153/157 L/R noise: 47/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 157/157 L/R noise: 45/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 158/159 L/R noise: 48/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 157/158 L/R noise: 49/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 158/160 L/R noise: 53/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 157/158 L/R noise: 49/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 156/158 L/R noise: 45/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

9) ***DR(Air speed): 24 Kbps ******Tx power: 17 dBm

L/R RSSI: 175/177 L/R noise: 46/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 176/175 L/R noise: 47/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 176/175 L/R noise: 46/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 176/176 L/R noise: 48/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 176/176 L/R noise: 49/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 176/176 L/R noise: 44/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 175/174 L/R noise: 48/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 174/174 L/R noise: 46/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 174/174 L/R noise: 46/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 175/175 L/R noise: 45/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

10) **DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 194/195 L/R noise: 44/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 193/196 L/R noise: 45/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 194/195 L/R noise: 46/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 195/196 L/R noise: 48/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 197/197 L/R noise: 46/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 196/195 L/R noise: 52/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 195/196 L/R noise: 51/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 192/194 L/R noise: 43/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 193/195 L/R noise: 44/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 195/194 L/R noise: 45/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

11) **DR(Air speed): 64 Kbps ******Tx power: 1 dBm

L/R RSSI: 144/147 L/R noise: 59/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 145/146 L/R noise: 56/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 144/146 L/R noise: 56/44 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 146/147 L/R noise: 57/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 147/147 L/R noise: 54/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 145/148 L/R noise: 54/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 143/146 L/R noise: 55/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 144/145 L/R noise: 55/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 145/146 L/R noise: 61/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 144/146 L/R noise: 55/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

12) DR(Air speed): 64 Kbps ******Tx power: 5 dBm

L/R RSSI: 154/154 L/R noise: 53/67 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 154/155 L/R noise: 59/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 154/155 L/R noise: 67/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 154/155 L/R noise: 59/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 155/155 L/R noise: 62/55 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 154/155 L/R noise: 63/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 153/154 L/R noise: 56/56 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 153/154 L/R noise: 61/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 154/156 L/R noise: 61/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 156/156 L/R noise: 62/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

13) **DR(Air speed): 64 Kbps ******Tx power: 8 dBm

L/R RSSI: 158/161 L/R noise: 58/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 159/159 L/R noise: 57/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 157/161 L/R noise: 62/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 159/161 L/R noise: 63/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 160/161 L/R noise: 63/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 158/161 L/R noise: 61/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 156/160 L/R noise: 59/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 157/160 L/R noise: 54/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 160/162 L/R noise: 58/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 162/162 L/R noise: 60/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

14) **DR(Air speed): 64 Kbps ******Tx power: 17 dBm

L/R RSSI: 176/177 L/R noise: 61/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 175/175 L/R noise: 62/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 176/177 L/R noise: 59/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 177/177 L/R noise: 59/63 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 177/177 L/R noise: 62/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 177/177 L/R noise: 57/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 177/178 L/R noise: 62/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 176/177 L/R noise: 61/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 177/178 L/R noise: 61/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 176/178 L/R noise: 60/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 177/177 L/R noise: 61/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

15) DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 196/198 L/R noise: 59/51 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 198/199 L/R noise: 67/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 199/199 L/R noise: 63/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 198/199 L/R noise: 58/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 198/199 L/R noise: 61/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 196/196 L/R noise: 59/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 196/196 L/R noise: 59/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 196/197 L/R noise: 61/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 197/197 L/R noise: 61/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 196/197 L/R noise: 66/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

16) **DR(Air speed): 128 Kbps ******Tx power: 1 dBm

L/R RSSI: 140/141 L/R noise: 64/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 140/139 L/R noise: 64/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 141/139 L/R noise: 64/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 140/140 L/R noise: 69/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 140/138 L/R noise: 71/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 140/142 L/R noise: 62/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 141/140 L/R noise: 69/64 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 141/138 L/R noise: 64/68 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 141/139 L/R noise: 68/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 143/143 L/R noise: 69/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

17) *DR(Air speed): 128 Kbps ******Tx power: 5 dBm

L/R RSSI: 152/148 L/R noise: 65/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 151/151 L/R noise: 72/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 148/151 L/R noise: 65/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 148/149 L/R noise: 64/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 147/152 L/R noise: 64/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 148/150 L/R noise: 65/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 149/148 L/R noise: 64/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 151/150 L/R noise: 71/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 148/152 L/R noise: 64/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 149/150 L/R noise: 65/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 149/150 L/R noise: 67/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

18) **DR(Air speed): 128 Kbps ******Tx power: 8 dBm

L/R RSSI: 155/153 L/R noise: 67/54 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 153/153 L/R noise: 68/52 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 146/151 L/R noise: 64/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 149/147 L/R noise: 63/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 151/150 L/R noise: 69/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 153/151 L/R noise: 68/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 154/152 L/R noise: 66/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 153/154 L/R noise: 69/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 154/154 L/R noise: 63/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 152/153 L/R noise: 69/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

19) *DR(Air speed): 128 Kbps ******Tx power: 17 dBm

L/R RSSI: 168/167 L/R noise: 71/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 170/168 L/R noise: 65/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 169/170 L/R noise: 65/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 169/169 L/R noise: 64/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 167/170 L/R noise: 66/51 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 167/162 L/R noise: 67/54 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 167/165 L/R noise: 65/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 167/165 L/R noise: 62/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 168/168 L/R noise: 64/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 168/168 L/R noise: 69/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

20) **DR(Air speed): 128 Kbps ******Tx power: 27 dBm

L/R RSSI: 179/183 L/R noise: 66/61 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 179/180 L/R noise: 70/53 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 187/182 L/R noise: 72/58 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 186/187 L/R noise: 69/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 182/183 L/R noise: 75/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 181/181 L/R noise: 67/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 185/185 L/R noise: 68/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 180/184 L/R noise: 65/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 184/184 L/R noise: 64/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 186/189 L/R noise: 72/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

21) **DR(Air speed): 250 Kbps ******Tx power: 1 dBm

L/R RSSI: 128/125 L/R noise: 66/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 127/124 L/R noise: 63/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 128/123 L/R noise: 65/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 132/125 L/R noise: 64/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 130/125 L/R noise: 64/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 129/124 L/R noise: 69/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 128/125 L/R noise: 66/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 130/125 L/R noise: 69/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 128/123 L/R noise: 71/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 130/125 L/R noise: 64/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 128/123 L/R noise: 71/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

22) ****DR(Air speed): 250 Kbps ******Tx power: 5 dBm

L/R RSSI: 136/124 L/R noise: 65/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 134/126 L/R noise: 73/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 137/128 L/R noise: 66/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 138/125 L/R noise: 65/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 136/129 L/R noise: 68/54 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 136/127 L/R noise: 67/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 137/129 L/R noise: 70/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 135/125 L/R noise: 69/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 134/126 L/R noise: 64/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 136/127 L/R noise: 64/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

23) **DR(Air speed): 250 Kbps ******Tx power: 8 dBm

L/R RSSI: 140/138 L/R noise: 65/74 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 140/130 L/R noise: 74/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 137/133 L/R noise: 70/61 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 139/127 L/R noise: 75/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 139/134 L/R noise: 69/69 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 141/134 L/R noise: 70/69 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 139/125 L/R noise: 71/63 pkts: 14 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 138/125 L/R noise: 69/63 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 140/130 L/R noise: 71/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 138/136 L/R noise: 71/64 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 138/132 L/R noise: 74/60 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

24) ***DR(Air speed): 250 Kbps ******Tx power: 17 dBm

L/R RSSI: 147/134 L/R noise: 69/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 149/138 L/R noise: 75/54 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 148/134 L/R noise: 67/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 152/139 L/R noise: 75/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 146/131 L/R noise: 70/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 148/135 L/R noise: 75/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 149/134 L/R noise: 68/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 148/140 L/R noise: 79/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 146/133 L/R noise: 71/58 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 151/138 L/R noise: 66/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 149/137 L/R noise: 62/55 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

25) **DR(Air speed): 250 Kbps ******Tx power: 27 dBm

L/R RSSI: 164/142 L/R noise: 67/57 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 160/151 L/R noise: 75/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 162/145 L/R noise: 71/57 pkts: 12 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 161/143 L/R noise: 73/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 161/144 L/R noise: 71/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 159/141 L/R noise: 75/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 161/144 L/R noise: 69/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 165/146 L/R noise: 73/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 167/149 L/R noise: 66/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 163/150 L/R noise: 71/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 155/139 L/R noise: 68/56 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 160/147 L/R noise: 72/59 pkts: 13 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

RFD900+ long distance (1,2,3) Km

****************** 1000 meter *****************

*********DR(Air speed): 4 Kbps ******Tx power: 4 dBm**

L/R RSSI: 79/82 L/R noise: 39/47 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/82 L/R noise: 41/47 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/82 L/R noise: 41/42 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 82/82 L/R noise: 40/41 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 82/81 L/R noise: 40/44 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/81 L/R noise: 42/46 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/81 L/R noise: 40/42 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/82 L/R noise: 41/48 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/83 L/R noise: 39/45 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 84/83 L/R noise: 39/41 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 84/83 L/R noise: 65/41 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 8 dBm**

L/R RSSI: 93/92 L/R noise: 43/36 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 93/93 L/R noise: 38/45 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 41/45 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/94 L/R noise: 38/35 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/94 L/R noise: 39/35 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 47/40 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 36/42 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 39/42 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 43/45 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 44/45 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 40/48 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=13 dco=0

L/R RSSI: 94/93 L/R noise: 42/48 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/92 L/R noise: 44/49 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 16 dBm**

L/R RSSI: 102/104 L/R noise: 42/32 pkts: 1 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 104/104 L/R noise: 62/32 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 105/104 L/R noise: 42/54 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/107 L/R noise: 38/45 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/107 L/R noise: 41/46 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/105 L/R noise: 44/39 pkts: 1 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/105 L/R noise: 41/52 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/103 L/R noise: 39/38 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/105 L/R noise: 42/48 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 43/44 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 20 dBm**

L/R RSSI: 117/118 L/R noise: 43/40 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 117/117 L/R noise: 39/41 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 117/117 L/R noise: 41/42 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 117/117 L/R noise: 40/39 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 114/117 L/R noise: 43/58 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 114/117 L/R noise: 36/58 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 116/117 L/R noise: 48/45 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 116/117 L/R noise: 41/45 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 115/116 L/R noise: 39/43 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 27 dBm**

L/R RSSI: 132/131 L/R noise: 60/45 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 133/131 L/R noise: 38/36 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 133/131 L/R noise: 38/36 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 133/132 L/R noise: 42/43 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 133/132 L/R noise: 39/43 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 133/131 L/R noise: 40/40 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 132/131 L/R noise: 40/40 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 132/131 L/R noise: 40/39 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 132/131 L/R noise: 41/44 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

1) ***DR(Air speed): 8 Kbps ******Tx power: 4 dBm

L/R RSSI: 84/85 L/R noise: 39/54 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 84/85 L/R noise: 39/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 84/85 L/R noise: 38/43 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 84/85 L/R noise: 40/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/84 L/R noise: 43/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/84 L/R noise: 38/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/84 L/R noise: 39/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/82 L/R noise: 37/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/82 L/R noise: 36/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/83 L/R noise: 36/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/83 L/R noise: 37/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

2) *DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 71/89 L/R noise: 39/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 80/90 L/R noise: 40/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 85/91 L/R noise: 39/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 88/91 L/R noise: 38/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 89/91 L/R noise: 37/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 90/90 L/R noise: 40/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 90/90 L/R noise: 39/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/90 L/R noise: 39/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/90 L/R noise: 38/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/90 L/R noise: 38/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

3) **DR(Air speed): 8 Kbps ******Tx power: 16 dBm

L/R RSSI: 105/105 L/R noise: 40/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 105/107 L/R noise: 37/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/107 L/R noise: 39/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/107 L/R noise: 42/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/107 L/R noise: 38/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/107 L/R noise: 38/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 109/107 L/R noise: 38/58 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 110/109 L/R noise: 43/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 110/109 L/R noise: 40/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 110/109 L/R noise: 38/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/109 L/R noise: 38/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

4) **DR(Air speed): 8 Kbps ******Tx power: 20 dBm

L/R RSSI: 118/116 L/R noise: 37/47 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/117 L/R noise: 40/47 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/117 L/R noise: 38/47 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 117/116 L/R noise: 44/35 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 113/116 L/R noise: 43/35 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 114/114 L/R noise: 42/35 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 117/113 L/R noise: 40/42 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 114/113 L/R noise: 47/42 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 115/114 L/R noise: 41/40 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 115/116 L/R noise: 39/39 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 115/116 L/R noise: 39/39 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

5) ****DR(Air speed): 8 Kbps ******Tx power: 27 dBm

L/R RSSI: 132/130 L/R noise: 38/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 131/126 L/R noise: 39/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 131/128 L/R noise: 38/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 128/128 L/R noise: 39/41 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 128/128 L/R noise: 48/56 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 130/129 L/R noise: 40/51 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 132/130 L/R noise: 36/41 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 132/131 L/R noise: 39/45 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 132/131 L/R noise: 38/44 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

6) **DR(Air speed): 24 Kbps ******Tx power: 4 dBm

L/R RSSI: 83/83 L/R noise: 37/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/82 L/R noise: 37/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/82 L/R noise: 37/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/82 L/R noise: 36/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/82 L/R noise: 34/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/82 L/R noise: 36/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/83 L/R noise: 37/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 84/84 L/R noise: 43/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 84/84 L/R noise: 38/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 84/84 L/R noise: 35/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/84 L/R noise: 36/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 83/84 L/R noise: 37/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

7) **DR(Air speed): 24 Kbps ******Tx power: 8 dBm

L/R RSSI: 80/86 L/R noise: 36/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 86/88 L/R noise: 36/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 90/90 L/R noise: 34/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 90/90 L/R noise: 37/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 90/89 L/R noise: 36/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 90/90 L/R noise: 38/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 90/90 L/R noise: 35/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/90 L/R noise: 36/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 91/90 L/R noise: 37/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

8) **DR(Air speed): 24 Kbps ******Tx power: 16 dBm

L/R RSSI: 107/106 L/R noise: 35/52 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/107 L/R noise: 33/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/108 L/R noise: 34/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 109/109 L/R noise: 42/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 109/109 L/R noise: 38/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 109/108 L/R noise: 39/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/108 L/R noise: 37/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/106 L/R noise: 37/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/107 L/R noise: 37/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/107 L/R noise: 37/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 34/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

9) **DR(Air speed): 24 Kbps ******Tx power: 20 dBm

L/R RSSI: 110/109 L/R noise: 36/43 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 114/112 L/R noise: 33/41 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 115/114 L/R noise: 36/38 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 115/114 L/R noise: 36/38 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 116/115 L/R noise: 34/36 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 116/115 L/R noise: 37/38 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 115/115 L/R noise: 36/36 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 115/116 L/R noise: 37/43 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 118/117 L/R noise: 46/44 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 118/116 L/R noise: 42/38 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

10) *DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 130/129 L/R noise: 37/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 131/131 L/R noise: 38/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 132/131 L/R noise: 40/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 132/130 L/R noise: 38/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 132/131 L/R noise: 37/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 133/130 L/R noise: 38/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 134/132 L/R noise: 44/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 134/133 L/R noise: 40/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 134/133 L/R noise: 37/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 134/133 L/R noise: 36/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 133/132 L/R noise: 37/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

11) **DR(Air speed): 64 Kbps ******Tx power: 4 dBm

L/R RSSI: 65/68 L/R noise: 50/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 64/65 L/R noise: 44/46 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 64/65 L/R noise: 44/45 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 63/64 L/R noise: 45/46 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 63/66 L/R noise: 47/45 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 65/66 L/R noise: 52/45 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 65/67 L/R noise: 45/46 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 65/67 L/R noise: 46/45 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 67/67 L/R noise: 44/46 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 67/67 L/R noise: 45/46 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 66/67 L/R noise: 44/46 pkts: 2 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=16 dco=0

12) ***DR(Air speed): 64 Kbps ******Tx power: 8 dBm

L/R RSSI: 92/90 L/R noise: 49/55 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/91 L/R noise: 50/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/90 L/R noise: 51/57 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 93/92 L/R noise: 48/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/93 L/R noise: 47/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 93/91 L/R noise: 49/89 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/92 L/R noise: 53/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/92 L/R noise: 46/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/92 L/R noise: 52/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

13) **DR(Air speed): 64 Kbps ******Tx power: 16 dBm

L/R RSSI: 105/101 L/R noise: 47/53 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 107/105 L/R noise: 44/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 106/106 L/R noise: 46/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 108/107 L/R noise: 51/58 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 109/108 L/R noise: 49/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 109/108 L/R noise: 47/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 109/109 L/R noise: 47/80 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 107/106 L/R noise: 46/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 108/107 L/R noise: 52/104 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 108/107 L/R noise: 48/49 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

14)DR(Air speed): 64 Kbps ******Tx power: 20 dBm**

L/R RSSI: 117/116 L/R noise: 48/51 pkts: 5 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 117/117 L/R noise: 50/57 pkts: 4 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 118/117 L/R noise: 47/49 pkts: 4 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 118/118 L/R noise: 47/50 pkts: 5 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 118/116 L/R noise: 48/78 pkts: 4 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 116/112 L/R noise: 49/58 pkts: 5 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 116/113 L/R noise: 49/46 pkts: 4 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 115/115 L/R noise: 58/65 pkts: 4 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 115/116 L/R noise: 49/45 pkts: 4 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 116/117 L/R noise: 49/55 pkts: 4 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 115/116 L/R noise: 49/52 pkts: 5 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 117/117 L/R noise: 50/59 pkts: 4 txe=0 rxe=22 stx=0 srx=0 ecc=0/0 temp=16 dco=0

15) **DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 131/131 L/R noise: 46/49 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 132/132 L/R noise: 47/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 133/133 L/R noise: 46/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 133/132 L/R noise: 46/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 133/131 L/R noise: 51/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 131/130 L/R noise: 47/44 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 130/129 L/R noise: 49/105 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 132/129 L/R noise: 49/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 133/131 L/R noise: 48/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 131/131 L/R noise: 46/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 132/132 L/R noise: 44/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

16) ***DR(Air speed): 128 Kbps ******Tx power: 4 dBm

L/R RSSI: 74/74 L/R noise: 60/59 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 75/74 L/R noise: 55/59 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 77/75 L/R noise: 62/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 77/75 L/R noise: 53/56 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 76/75 L/R noise: 59/56 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 76/75 L/R noise: 63/56 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 76/75 L/R noise: 56/56 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 76/78 L/R noise: 49/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 75/77 L/R noise: 50/54 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 76/77 L/R noise: 56/54 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 76/77 L/R noise: 55/54 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

17) **DR(Air speed): 128 Kbps ******Tx power: 8 dBm

L/R RSSI: 81/81 L/R noise: 56/53 pkts: 6 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 82/81 L/R noise: 52/53 pkts: 6 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 84/81 L/R noise: 54/53 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 82/81 L/R noise: 53/53 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 80/82 L/R noise: 54/58 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 83/83 L/R noise: 51/58 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 83/84 L/R noise: 54/62 pkts: 6 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 83/83 L/R noise: 61/70 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 83/83 L/R noise: 70/70 pkts: 6 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=19 dco=0

L/R RSSI: 82/83 L/R noise: 56/70 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=20 dco=0

L/R RSSI: 81/83 L/R noise: 53/70 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=19 dco=0

18) **DR(Air speed): 128 Kbps ******Tx power: 16 dBm

L/R RSSI: 106/103 L/R noise: 58/62 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 104/100 L/R noise: 55/88 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 100/101 L/R noise: 59/101 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 102/103 L/R noise: 60/60 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 104/101 L/R noise: 55/62 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/104 L/R noise: 54/60 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 105/105 L/R noise: 54/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=13 dco=0

L/R RSSI: 105/102 L/R noise: 55/54 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 102/100 L/R noise: 60/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 100/98 L/R noise: 54/69 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 101/101 L/R noise: 53/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

19) *DR(Air speed): 128 Kbps ******Tx power: 20 dBm

/R RSSI: 113/108 L/R noise: 55/55 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 114/110 L/R noise: 53/55 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 114/109 L/R noise: 56/61 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 114/111 L/R noise: 57/77 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 113/111 L/R noise: 52/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 113/108 L/R noise: 55/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 114/110 L/R noise: 60/58 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 114/110 L/R noise: 55/55 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 113/109 L/R noise: 60/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 114/110 L/R noise: 56/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 111/107 L/R noise: 51/57 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

20) ****DR(Air speed): 128 Kbps ******Tx power: 27 dBm

L/R RSSI: 127/121 L/R noise: 54/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 128/122 L/R noise: 53/52 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 124/121 L/R noise: 57/88 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 124/123 L/R noise: 55/65 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 125/122 L/R noise: 56/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 127/124 L/R noise: 56/56 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 128/123 L/R noise: 53/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 121/121 L/R noise: 51/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 121/122 L/R noise: 55/54 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 124/123 L/R noise: 58/57 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

21) **DR(Air speed): 250 Kbps ******Tx power: 4 dBm

in this case both radios can not talk to each other due to low TX power

22)

**********DR(Air speed): 250 Kbps ******Tx power: 8 dBm**

in this case both radios can not talk to each other due to low TX power

23)

**********DR(Air speed): 250 Kbps ******Tx power: 16 dBm**

in this case both radios can not talk to each other due to low TX power

24)

**********DR(Air speed): 250 Kbps ******Tx power: 20 dBm**

in this case both radios can not talk to each other due to low TX power

25)

**********DR(Air speed): 250 Kbps ******Tx power: 27 dBm**

L/R RSSI: 52/0 L/R noise: 59/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 52/0 L/R noise: 50/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 52/0 L/R noise: 56/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 52/0 L/R noise: 55/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 52/0 L/R noise: 55/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 52/0 L/R noise: 52/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 52/0 L/R noise: 55/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 52/0 L/R noise: 55/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 52/0 L/R noise: 59/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 52/0 L/R noise: 54/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

********** 2k meter **********

**********DR(Air speed): 4 Kbps ******Tx power: 4 dBm**

in this distance both radios can not talk wit each other due to low Tx power

**********DR(Air speed): 4 Kbps ******Tx power: 8 dBm**

in this distance both radios can not talk wit each other due to low Tx power

**********DR(Air speed): 4 Kbps ******Tx power: 16 dBm**

L/R RSSI: 94/96 L/R noise: 40/49 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 94/98 L/R noise: 38/47 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 96/98 L/R noise: 40/36 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 96/98 L/R noise: 40/47 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 96/98 L/R noise: 37/63 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 96/98 L/R noise: 42/50 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 42/62 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 39/56 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 45/41 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 44/62 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 40/53 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 20 dBm**

L/R RSSI: 105/109 L/R noise: 40/62 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 105/109 L/R noise: 41/62 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 107/108 L/R noise: 41/69 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 106/108 L/R noise: 39/46 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 106/107 L/R noise: 43/43 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 107/107 L/R noise: 39/45 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 106/107 L/R noise: 39/45 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 108/105 L/R noise: 39/52 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 108/105 L/R noise: 39/52 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 27 dBm**

L/R RSSI: 121/117 L/R noise: 39/55 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 121/117 L/R noise: 41/58 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/119 L/R noise: 38/44 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 118/119 L/R noise: 38/60 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 118/117 L/R noise: 41/46 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/118 L/R noise: 38/51 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/118 L/R noise: 38/63 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/118 L/R noise: 41/55 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/118 L/R noise: 38/45 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/119 L/R noise: 41/55 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 117/119 L/R noise: 36/58 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

****DR(Air speed): 8 Kbps ******Tx power: 4 dBm**

L/R RSSI: 68/68 L/R noise: 40/58 pkts: 2 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 68/68 L/R noise: 43/58 pkts: 1 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 68/68 L/R noise: 40/61 pkts: 2 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 68/68 L/R noise: 40/57 pkts: 1 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 70/68 L/R noise: 40/57 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 70/68 L/R noise: 38/42 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 69/68 L/R noise: 38/52 pkts: 2 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 69/68 L/R noise: 38/52 pkts: 1 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 69/68 L/R noise: 40/63 pkts: 2 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 68/68 L/R noise: 41/66 pkts: 2 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 68/68 L/R noise: 45/66 pkts: 1 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 68/67 L/R noise: 42/50 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 80/81 L/R noise: 37/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 80/81 L/R noise: 38/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/82 L/R noise: 37/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 82/82 L/R noise: 38/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/82 L/R noise: 36/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 82/83 L/R noise: 38/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/83 L/R noise: 37/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/83 L/R noise: 37/46 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/82 L/R noise: 37/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

DR(Air speed): 8 Kbps ******Tx power: 16 dBm

L/R RSSI: 97/97 L/R noise: 38/57 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 97/97 L/R noise: 42/57 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 97/97 L/R noise: 41/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 97/97 L/R noise: 39/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 98/97 L/R noise: 39/51 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 98/98 L/R noise: 38/55 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 98/97 L/R noise: 37/58 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 99/97 L/R noise: 40/58 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 99/98 L/R noise: 39/56 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

DR(Air speed): 8 Kbps ******Tx power: 20 dBm

L/R RSSI: 106/105 L/R noise: 38/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/105 L/R noise: 38/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/105 L/R noise: 38/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/106 L/R noise: 40/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/107 L/R noise: 37/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/107 L/R noise: 40/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 43/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/107 L/R noise: 41/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/107 L/R noise: 42/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 39/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/107 L/R noise: 40/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

DR(Air speed): 8 Kbps ******Tx power: 27 dBm

L/R RSSI: 118/117 L/R noise: 43/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 118/115 L/R noise: 41/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 118/115 L/R noise: 39/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/117 L/R noise: 40/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/119 L/R noise: 44/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 120/118 L/R noise: 40/54 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/119 L/R noise: 41/55 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/121 L/R noise: 42/58 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/119 L/R noise: 39/47 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/119 L/R noise: 39/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/116 L/R noise: 42/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/117 L/R noise: 40/65 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

DR(Air speed): 24 Kbps ******Tx power: 4 dBm

in this case both radios can not talk to each other due to low TX power.

DR(Air speed): 24 Kbps ******Tx power: 8 dBm

L/R RSSI: 80/81 L/R noise: 36/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 80/81 L/R noise: 38/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 80/81 L/R noise: 36/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 82/81 L/R noise: 34/52 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 81/82 L/R noise: 34/57 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 80/82 L/R noise: 33/57 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 81/82 L/R noise: 37/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 81/82 L/R noise: 36/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 80/81 L/R noise: 37/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 81/82 L/R noise: 34/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 81/82 L/R noise: 34/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

DR(Air speed): 24 Kbps ******Tx power: 16 dBm

L/R RSSI: 97/97 L/R noise: 36/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 96/96 L/R noise: 34/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 98/96 L/R noise: 35/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 98/97 L/R noise: 36/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 34/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 96/96 L/R noise: 35/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 36/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 36/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 35/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/97 L/R noise: 39/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 97/98 L/R noise: 36/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

DR(Air speed): 24 Kbps ******Tx power: 20 dBm

L/R RSSI: 107/105 L/R noise: 39/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 42/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 37/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/106 L/R noise: 37/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 36/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/106 L/R noise: 40/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/106 L/R noise: 38/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 105/104 L/R noise: 39/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/104 L/R noise: 36/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 36/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 109/106 L/R noise: 38/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 109/107 L/R noise: 39/41 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 121/121 L/R noise: 38/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 121/121 L/R noise: 38/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 121/121 L/R noise: 37/46 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/120 L/R noise: 35/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/120 L/R noise: 37/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/120 L/R noise: 38/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/120 L/R noise: 37/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/119 L/R noise: 38/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/119 L/R noise: 36/53 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 119/119 L/R noise: 45/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

DR(Air speed): 64 Kbps ******Tx power: 4 dBm

in this case both radios can not talk to each other due to low TX power.

DR(Air speed): 64 Kbps ******Tx power: 8 dBm

L/R RSSI: 47/0 L/R noise: 45/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 47/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 47/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 47/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 44/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 49/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 47/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 47/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 47/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 44/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 47/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 48/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 47/0 L/R noise: 46/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

DR(Air speed): 64 Kbps ******Tx power: 16 dBm

L/R RSSI: 97/97 L/R noise: 47/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 98/98 L/R noise: 47/72 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 98/97 L/R noise: 51/71 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 98/97 L/R noise: 48/60 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 97/98 L/R noise: 55/62 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 98/99 L/R noise: 46/66 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 99/99 L/R noise: 47/68 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 99/99 L/R noise: 46/65 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 99/99 L/R noise: 47/70 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 99/98 L/R noise: 46/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 99/99 L/R noise: 49/61 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

DR(Air speed): 64 Kbps ******Tx power: 20 dBm

L/R RSSI: 104/107 L/R noise: 46/61 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/105 L/R noise: 48/62 pkts: 5 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/106 L/R noise: 47/65 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/106 L/R noise: 50/49 pkts: 5 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 54/46 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/107 L/R noise: 48/58 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/108 L/R noise: 48/58 pkts: 5 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/108 L/R noise: 47/50 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/108 L/R noise: 50/57 pkts: 5 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/108 L/R noise: 46/57 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/108 L/R noise: 50/51 pkts: 5 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 107/108 L/R noise: 49/59 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 122/122 L/R noise: 50/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 122/122 L/R noise: 50/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 122/122 L/R noise: 51/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 120/122 L/R noise: 51/58 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/121 L/R noise: 50/69 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 120/121 L/R noise: 51/69 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 121/122 L/R noise: 48/60 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 119/122 L/R noise: 48/58 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 121/122 L/R noise: 52/56 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 122/122 L/R noise: 51/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 122/123 L/R noise: 49/51 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

DR(Air speed): 128 Kbps ******Tx power: 4 dBm

in this case both radios can not talk to each other due to high data rate and low power.

DR(Air speed): 128 Kbps ******Tx power: 8 dBm

in this case both radios can not talk to each other due to high data rate and low power.

DR(Air speed): 128 Kbps ******Tx power: 16 dBm

L/R RSSI: 62/0 L/R noise: 55/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 65/0 L/R noise: 56/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 67/0 L/R noise: 53/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 69/0 L/R noise: 54/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 70/0 L/R noise: 50/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 71/0 L/R noise: 56/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 72/0 L/R noise: 51/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 73/0 L/R noise: 53/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 73/0 L/R noise: 52/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 73/0 L/R noise: 53/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 73/0 L/R noise: 52/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 73/0 L/R noise: 51/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 73/0 L/R noise: 54/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

DR(Air speed): 128 Kbps ******Tx power: 20 dBm

L/R RSSI: 103/102 L/R noise: 53/72 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/103 L/R noise: 56/74 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 101/104 L/R noise: 56/76 pkts: 6 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/103 L/R noise: 58/77 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 101/104 L/R noise: 55/55 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 101/103 L/R noise: 72/68 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 102/104 L/R noise: 54/59 pkts: 7 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 102/104 L/R noise: 56/58 pkts: 5 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 104/105 L/R noise: 55/56 pkts: 7 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 100/104 L/R noise: 55/60 pkts: 7 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=14 dco=0

DR(Air speed): 128 Kbps ******Tx power: 27 dBm

L/R RSSI: 112/115 L/R noise: 55/55 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 116/116 L/R noise: 57/61 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 113/117 L/R noise: 54/65 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 114/113 L/R noise: 55/70 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 112/117 L/R noise: 55/74 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 114/117 L/R noise: 54/66 pkts: 6 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 113/116 L/R noise: 55/62 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 114/114 L/R noise: 56/58 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 116/115 L/R noise: 58/69 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 116/117 L/R noise: 53/58 pkts: 8 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 117/115 L/R noise: 54/57 pkts: 7 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

DR(Air speed): 250 Kbps ******Tx power: 4 dBm

in this case both radios can not talk to each other due to high data rate and low power.

DR(Air speed): 250 Kbps ******Tx power: 8 dBm

in this case both radios can not talk to each other due to high data rate.

DR(Air speed): 250 Kbps ******Tx power: 16 dBm

in this case both radios can not talk to each other due to high data rate.

DR(Air speed): 250 Kbps ******Tx power: 20 dBm

in this case both radios can not talk to each other due to high data rate.

DR(Air speed): 250 Kbps ******Tx power: 27 dBm

in this case both radios can not talk to each other due to high data rate.although we increased the TX power to 27 dBm.

********** 3k meter **********

*******DR(Air speed): 4 Kbps ******Tx power: 4 dBm**

in this distance both radios can not talk wit each other due to low Tx power

*******DR(Air speed): 4 Kbps ******Tx power: 8 dBm**

in this distance both radios can not talk wit each other due to low Tx power

*******DR(Air speed): 4 Kbps ******Tx power: 16 dBm**

L/R RSSI: 83/0 L/R noise: 42/35 pkts: 0 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/36 L/R noise: 44/51 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 79/45 L/R noise: 49/35 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 80/45 L/R noise: 46/35 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 80/61 L/R noise: 37/30 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 78/67 L/R noise: 43/39 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 77/73 L/R noise: 45/33 pkts: 0 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 77/73 L/R noise: 39/33 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 78/75 L/R noise: 41/36 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 80/77 L/R noise: 34/34 pkts: 1 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 78/79 L/R noise: 40/42 pkts: 1 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 80/79 L/R noise: 40/42 pkts: 2 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 20 dBm**

L/R RSSI: 94/95 L/R noise: 40/35 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 93/94 L/R noise: 41/63 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 88/91 L/R noise: 46/33 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 88/91 L/R noise: 42/47 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 89/93 L/R noise: 40/31 pkts: 0 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 86/94 L/R noise: 50/35 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 88/94 L/R noise: 42/35 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 86/93 L/R noise: 36/32 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 90/93 L/R noise: 38/44 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 92/93 L/R noise: 41/37 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 92/93 L/R noise: 39/35 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 27 dBm**

L/R RSSI: 100/107 L/R noise: 41/38 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 102/106 L/R noise: 39/35 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/107 L/R noise: 41/33 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/107 L/R noise: 34/35 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 102/107 L/R noise: 44/41 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/107 L/R noise: 36/37 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/108 L/R noise: 37/37 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 104/107 L/R noise: 40/38 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 106/107 L/R noise: 36/39 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 107/108 L/R noise: 64/37 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

1) *****DR(Air speed): 8 Kbps ******Tx power: 4 dBm

in this distance both radios can not talk wit each other due to low Tx power .

2) ****DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 72/77 L/R noise: 36/39 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 72/77 L/R noise: 39/35 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 72/77 L/R noise: 39/37 pkts: 4 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 70/77 L/R noise: 37/40 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 70/77 L/R noise: 37/38 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 71/77 L/R noise: 39/38 pkts: 3 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 71/77 L/R noise: 36/37 pkts: 3 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 73/77 L/R noise: 41/36 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 73/77 L/R noise: 37/37 pkts: 4 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 73/77 L/R noise: 38/38 pkts: 3 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 75/77 L/R noise: 40/36 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=15 dco=0

3) ***DR(Air speed): 8 Kbps ******Tx power: 16 dBm

L/R RSSI: 77/76 L/R noise: 41/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 78/77 L/R noise: 39/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 80/81 L/R noise: 38/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 77/83 L/R noise: 34/34 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 79/83 L/R noise: 34/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 79/83 L/R noise: 32/38 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 78/83 L/R noise: 32/34 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 78/82 L/R noise: 34/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 76/82 L/R noise: 34/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 79/81 L/R noise: 46/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

4) **DR(Air speed): 8 Kbps ******Tx power: 20 dBm

L/R RSSI: 91/92 L/R noise: 36/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/92 L/R noise: 40/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/94 L/R noise: 38/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/94 L/R noise: 39/43 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 90/96 L/R noise: 44/39 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/96 L/R noise: 40/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/96 L/R noise: 42/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 93/96 L/R noise: 41/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/94 L/R noise: 36/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 93/94 L/R noise: 34/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

5) ****DR(Air speed): 8 Kbps ******Tx power: 27 dBm

L/R RSSI: 100/106 L/R noise: 35/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/107 L/R noise: 35/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/107 L/R noise: 34/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 102/107 L/R noise: 35/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 104/107 L/R noise: 33/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 104/105 L/R noise: 34/40 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 104/104 L/R noise: 31/37 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 105/105 L/R noise: 46/34 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 101/106 L/R noise: 37/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 101/107 L/R noise: 35/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

6) ****DR(Air speed): 24 Kbps ******Tx power: 4 dBm

in this distance both radios can not talk wit each other due to low Tx power .

7) ******DR(Air speed): 24 Kbps ******Tx power: 8 dBm

in this distance both radios can not talk wit each other due to low Tx power .

8) ***DR(Air speed): 24 Kbps ******Tx power: 16 dBm

L/R RSSI: 80/84 L/R noise: 39/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 78/82 L/R noise: 38/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 75/79 L/R noise: 34/34 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 76/80 L/R noise: 37/32 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 78/82 L/R noise: 34/39 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 79/82 L/R noise: 30/36 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 77/82 L/R noise: 32/36 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 79/83 L/R noise: 32/32 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 76/83 L/R noise: 34/33 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 77/85 L/R noise: 38/32 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

9) ****DR(Air speed): 24 Kbps ******Tx power: 20 dBm

L/R RSSI: 89/90 L/R noise: 38/39 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 90/90 L/R noise: 33/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 89/91 L/R noise: 33/33 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 89/89 L/R noise: 36/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 88/89 L/R noise: 39/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 91/91 L/R noise: 34/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 90/91 L/R noise: 35/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/91 L/R noise: 34/33 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 89/94 L/R noise: 42/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 87/95 L/R noise: 36/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=15 dco=0

10) **DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 104/106 L/R noise: 35/32 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 101/105 L/R noise: 32/44 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 103/105 L/R noise: 33/37 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 102/106 L/R noise: 31/33 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 104/104 L/R noise: 34/36 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 105/104 L/R noise: 32/35 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/101 L/R noise: 33/35 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 104/105 L/R noise: 40/31 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=15 dco=0

L/R RSSI: 101/105 L/R noise: 34/34 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 102/106 L/R noise: 35/42 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 100/105 L/R noise: 32/38 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

11) ****DR(Air speed): 64 Kbps ******Tx power: 4 dBm

in this distance both radios can not talk wit each other due to low Tx power .

12) **DR(Air speed): 64 Kbps ******Tx power: 8 dBm

in this distance both radios can not talk wit each other due to low Tx power .

13) ****DR(Air speed): 64 Kbps ******Tx power: 16 dBm

L/R RSSI: 87/82 L/R noise: 48/41 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 86/85 L/R noise: 50/60 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 85/85 L/R noise: 52/60 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 82/86 L/R noise: 44/46 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 84/81 L/R noise: 55/45 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/82 L/R noise: 51/47 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/82 L/R noise: 48/47 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 79/84 L/R noise: 44/47 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/83 L/R noise: 50/45 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 81/83 L/R noise: 45/45 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 85/83 L/R noise: 49/43 pkts: 5 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=16 dco=0

14) ******DR(Air speed): 64 Kbps ******Tx power: 20 dBm

L/R RSSI: 88/94 L/R noise: 47/50 pkts: 5 txe=0 rxe=68 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 90/94 L/R noise: 50/49 pkts: 3 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 92/94 L/R noise: 56/45 pkts: 5 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 92/94 L/R noise: 40/43 pkts: 4 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 91/95 L/R noise: 45/52 pkts: 5 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 91/95 L/R noise: 45/45 pkts: 4 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 91/95 L/R noise: 44/49 pkts: 5 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 87/94 L/R noise: 51/44 pkts: 4 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 89/91 L/R noise: 51/49 pkts: 4 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 91/91 L/R noise: 51/42 pkts: 5 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 90/91 L/R noise: 51/41 pkts: 4 txe=0 rxe=69 stx=0 srx=0 ecc=0/0 temp=16 dco=0

15) ****DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 102/104 L/R noise: 46/42 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 102/107 L/R noise: 42/46 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 101/108 L/R noise: 46/55 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 102/108 L/R noise: 48/47 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 104/106 L/R noise: 46/64 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 103/105 L/R noise: 45/45 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 100/105 L/R noise: 48/49 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 104/106 L/R noise: 47/45 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 106/106 L/R noise: 43/41 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 103/106 L/R noise: 43/42 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 101/106 L/R noise: 46/52 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

16) ****DR(Air speed): 128 Kbps ******Tx power: 4 dBm

in this distance both radios can not talk wit each other due to low Tx power and high dat rate .

17) ****DR(Air speed): 128 Kbps ******Tx power: 8 dBm

in this distance both radios can not talk with each other due to low Tx power and high dat rate .

18) *****DR(Air speed): 128 Kbps ******Tx power: 16 dBm

in this distance both radios can not talk with each other due to low Tx power and high dat rate .

19) *****DR(Air speed): 128 Kbps ******Tx power: 20 dBm

L/R RSSI: 82/88 L/R noise: 49/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 83/88 L/R noise: 56/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 82/88 L/R noise: 55/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 83/88 L/R noise: 49/53 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 83/86 L/R noise: 60/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 81/86 L/R noise: 47/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 80/86 L/R noise: 51/50 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 81/88 L/R noise: 55/48 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 81/90 L/R noise: 45/49 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 79/89 L/R noise: 51/49 pkts: 6 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

L/R RSSI: 81/89 L/R noise: 53/49 pkts: 6 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=12 dco=0

20) ****DR(Air speed): 128 Kbps ******Tx power: 27 dBm

L/R RSSI: 97/103 L/R noise: 51/48 pkts: 7 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 98/104 L/R noise: 48/49 pkts: 7 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 97/102 L/R noise: 51/61 pkts: 7 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 98/104 L/R noise: 46/71 pkts: 8 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 99/105 L/R noise: 48/47 pkts: 8 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 97/106 L/R noise: 51/50 pkts: 7 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 100/106 L/R noise: 49/57 pkts: 8 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 99/106 L/R noise: 53/50 pkts: 6 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 97/105 L/R noise: 54/53 pkts: 8 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/104 L/R noise: 57/53 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

21) ***DR(Air speed): 250 Kbps ******Tx power: 4 dBm

in this distance both radios can not talk wit each other due to low Tx power and high dat rate and high data rate.

22) *****DR(Air speed): 250 Kbps ******Tx power: 8 dBm

in this distance both radios can not talk wit each other due to low Tx power and high dat rate and high data rate

23) *****DR(Air speed): 250 Kbps ******Tx power: 16 dBm

in this distance both radios can not talk wit each other due to low Tx power and high dat rate and high data rate

24) *****DR(Air speed): 250 Kbps ******Tx power: 20 dBm

in this distance both radios can not talk wit each other due to high data rate

25) **DR(Air speed): 250 Kbps ******Tx power: 27 dBm

in this distance both radios can not talk wit each other due to high data rate

RFD900 testing

********** Distance: 10 meter RFD900 *****************

1)*DR(Air speed): 8 Kbps ******Tx power: 1 dBm

L/R RSSI: 176/178 L/R noise: 38/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 176/178 L/R noise: 35/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 176/178 L/R noise: 35/32 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 176/176 L/R noise: 36/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 176/176 L/R noise: 35/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 176/176 L/R noise: 34/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 176/176 L/R noise: 34/29 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 176/176 L/R noise: 37/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

2) ***DR(Air speed): 8 Kbps ******Tx power: 5 dBm

L/R RSSI: 178/185 L/R noise: 36/32 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 179/185 L/R noise: 34/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 180/185 L/R noise: 37/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 180/184 L/R noise: 34/32 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 180/184 L/R noise: 34/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 180/184 L/R noise: 36/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 180/184 L/R noise: 38/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 181/185 L/R noise: 36/34 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

3) ***DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 192/186 L/R noise: 36/32 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 192/189 L/R noise: 35/32 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 192/190 L/R noise: 38/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 192/190 L/R noise: 36/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 192/190 L/R noise: 36/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 192/190 L/R noise: 34/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 191/191 L/R noise: 34/33 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 191/192 L/R noise: 37/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

4) ****DR(Air speed): 8 Kbps ******Tx power: 17 dBm

L/R RSSI: 203/210 L/R noise: 35/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 205/210 L/R noise: 36/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 205/210 L/R noise: 33/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 207/210 L/R noise: 32/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 207/210 L/R noise: 35/32 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 207/210 L/R noise: 39/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 207/210 L/R noise: 36/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 207/210 L/R noise: 35/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

5)**DR(Air speed): 8 Kbps ******Tx power: 27 dBm**

L/R RSSI: 206/217 L/R noise: 33/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=28 dco=0

L/R RSSI: 210/217 L/R noise: 34/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=28 dco=0

L/R RSSI: 213/217 L/R noise: 37/28 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=28 dco=0

L/R RSSI: 214/217 L/R noise: 36/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=28 dco=0

L/R RSSI: 214/217 L/R noise: 36/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=28 dco=0

L/R RSSI: 214/217 L/R noise: 34/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=28 dco=0

L/R RSSI: 214/217 L/R noise: 34/32 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=28 dco=0

6) **DR(Air speed): 24 Kbps ******Tx power: 1 dBm

L/R RSSI: 175/178 L/R noise: 36/27 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 175/177 L/R noise: 32/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 175/178 L/R noise: 33/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 175/178 L/R noise: 31/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 175/178 L/R noise: 31/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 175/178 L/R noise: 31/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 175/178 L/R noise: 33/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 175/178 L/R noise: 33/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

7)***DR(Air speed): 24 Kbps ******Tx power: 5 dBm**

L/R RSSI: 176/185 L/R noise: 33/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 177/185 L/R noise: 29/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 178/185 L/R noise: 30/29 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 179/185 L/R noise: 30/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 179/186 L/R noise: 32/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 179/186 L/R noise: 37/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 179/186 L/R noise: 32/28 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 179/186 L/R noise: 30/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

8)**DR(Air speed): 24 Kbps ******Tx power: 8 dBm**

L/R RSSI: 186/192 L/R noise: 33/29 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 189/192 L/R noise: 33/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 189/192 L/R noise: 32/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 188/192 L/R noise: 30/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 189/192 L/R noise: 31/28 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 189/192 L/R noise: 34/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 189/192 L/R noise: 34/32 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 187/191 L/R noise: 32/34 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 188/191 L/R noise: 32/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 188/191 L/R noise: 32/27 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

9)**DR(Air speed): 24 Kbps ******Tx power: 17 dBm**

L/R RSSI: 203/200 L/R noise: 33/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 205/205 L/R noise: 35/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 205/207 L/R noise: 32/29 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 207/207 L/R noise: 33/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 207/208 L/R noise: 34/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 207/208 L/R noise: 34/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 207/208 L/R noise: 32/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

10) ****DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 214/217 L/R noise: 34/30 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 214/217 L/R noise: 33/40 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 214/217 L/R noise: 36/40 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 214/217 L/R noise: 39/34 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 214/217 L/R noise: 34/29 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 214/217 L/R noise: 32/30 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=26 dco=0

11) ***DR(Air speed): 64 Kbps ******Tx power: 1 dBm

L/R RSSI: 176/178 L/R noise: 48/42 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 176/178 L/R noise: 40/42 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 176/178 L/R noise: 45/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 176/178 L/R noise: 52/39 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 177/178 L/R noise: 45/38 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 177/178 L/R noise: 55/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 177/178 L/R noise: 47/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 177/178 L/R noise: 45/52 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

12) **DR(Air speed): 64 Kbps ******Tx power: 5 dBm

L/R RSSI: 182/187 L/R noise: 42/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 182/187 L/R noise: 48/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 182/187 L/R noise: 45/39 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 182/187 L/R noise: 48/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 182/187 L/R noise: 46/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 182/186 L/R noise: 44/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

13) **DR(Air speed): 64 Kbps ******Tx power: 8 dBm

L/R RSSI: 187/192 L/R noise: 46/42 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 189/192 L/R noise: 46/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 188/192 L/R noise: 43/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 187/192 L/R noise: 44/38 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 188/192 L/R noise: 47/39 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 187/192 L/R noise: 47/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 188/192 L/R noise: 42/50 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

14) ****DR(Air speed): 64 Kbps ******Tx power: 17 dBm

L/R RSSI: 206/211 L/R noise: 45/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 206/211 L/R noise: 44/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 206/211 L/R noise: 46/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 206/211 L/R noise: 43/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 206/211 L/R noise: 46/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 206/211 L/R noise: 46/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 206/211 L/R noise: 44/42 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 206/210 L/R noise: 41/39 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 206/210 L/R noise: 46/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

15) **DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 215/218 L/R noise: 45/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 215/218 L/R noise: 46/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 215/218 L/R noise: 46/43 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 215/218 L/R noise: 40/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 215/218 L/R noise: 42/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 215/218 L/R noise: 42/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 215/218 L/R noise: 44/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 215/218 L/R noise: 45/50 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

L/R RSSI: 215/218 L/R noise: 44/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=27 dco=0

********** Distance: 100 meter RFD900**

1) ******DR(Air speed): 8 Kbps ******Tx power: 1 dBm

L/R RSSI: 129/130 L/R noise: 33/34 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 131/131 L/R noise: 36/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 131/133 L/R noise: 37/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 131/133 L/R noise: 39/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 130/133 L/R noise: 38/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 131/131 L/R noise: 35/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 131/131 L/R noise: 35/28 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 132/131 L/R noise: 37/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 130/132 L/R noise: 37/32 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

2) ****DR(Air speed): 8 Kbps ******Tx power: 5 dBm

L/R RSSI: 138/140 L/R noise: 37/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 138/140 L/R noise: 40/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 139/141 L/R noise: 41/37 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 138/139 L/R noise: 42/36 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 138/139 L/R noise: 43/36 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 138/139 L/R noise: 36/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 140/141 L/R noise: 40/33 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 140/141 L/R noise: 41/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 141/142 L/R noise: 39/38 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 139/142 L/R noise: 38/35 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

3) ***DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 146/146 L/R noise: 38/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 146/148 L/R noise: 38/32 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 148/147 L/R noise: 36/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 146/147 L/R noise: 39/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 146/147 L/R noise: 36/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 145/146 L/R noise: 36/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 147/147 L/R noise: 40/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 146/148 L/R noise: 39/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 146/147 L/R noise: 37/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

4)*DR(Air speed): 8 Kbps ******Tx power: 17 dBm**

L/R RSSI: 160/162 L/R noise: 37/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 163/162 L/R noise: 39/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 163/164 L/R noise: 36/29 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 163/164 L/R noise: 35/29 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 163/165 L/R noise: 36/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 163/164 L/R noise: 37/34 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 163/164 L/R noise: 36/32 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 164/166 L/R noise: 36/32 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 163/165 L/R noise: 40/32 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 163/165 L/R noise: 36/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

5) ***DR(Air speed): 8 Kbps ******Tx power: 27 dBm

L/R RSSI: 180/183 L/R noise: 36/32 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 181/183 L/R noise: 38/32 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 181/184 L/R noise: 38/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 181/184 L/R noise: 35/29 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 181/184 L/R noise: 36/29 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 183/185 L/R noise: 38/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 182/184 L/R noise: 38/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 182/184 L/R noise: 35/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

6) ***DR(Air speed): 24 Kbps ******Tx power: 1 dBm

L/R RSSI: 131/132 L/R noise: 36/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 129/132 L/R noise: 33/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 130/131 L/R noise: 34/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 129/131 L/R noise: 39/29 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 128/131 L/R noise: 34/27 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 128/129 L/R noise: 33/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 130/129 L/R noise: 31/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 132/131 L/R noise: 35/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 132/132 L/R noise: 33/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 130/131 L/R noise: 38/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

7) ***DR(Air speed): 24 Kbps ******Tx power: 5 dBm

L/R RSSI: 139/141 L/R noise: 38/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 141/142 L/R noise: 38/30 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 139/143 L/R noise: 40/33 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 139/142 L/R noise: 36/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 138/141 L/R noise: 34/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 139/141 L/R noise: 34/35 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 139/140 L/R noise: 33/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 138/139 L/R noise: 34/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

8) ***DR(Air speed): 24 Kbps ******Tx power: 8 dBm

L/R RSSI: 146/147 L/R noise: 33/28 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 146/146 L/R noise: 38/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 145/146 L/R noise: 34/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 146/146 L/R noise: 32/27 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 147/148 L/R noise: 33/28 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 147/148 L/R noise: 37/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 146/148 L/R noise: 34/27 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 146/147 L/R noise: 36/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 147/147 L/R noise: 37/28 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

9) ***DR(Air speed): 24 Kbps ******Tx power: 17 dBm

L/R RSSI: 162/165 L/R noise: 35/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 162/164 L/R noise: 34/32 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 164/166 L/R noise: 36/30 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 164/165 L/R noise: 37/32 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 164/165 L/R noise: 35/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 164/163 L/R noise: 33/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 164/163 L/R noise: 37/28 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 163/164 L/R noise: 34/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

10) **DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 182/184 L/R noise: 33/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 181/183 L/R noise: 33/31 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 181/183 L/R noise: 34/31 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 181/183 L/R noise: 33/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 181/186 L/R noise: 33/28 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 181/185 L/R noise: 33/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 181/184 L/R noise: 34/27 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 181/183 L/R noise: 33/29 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

11) ***DR(Air speed): 64 Kbps ******Tx power: 1 dBm

L/R RSSI: 132/132 L/R noise: 47/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 131/132 L/R noise: 45/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 129/132 L/R noise: 40/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 129/131 L/R noise: 44/43 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 131/131 L/R noise: 50/43 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 131/133 L/R noise: 48/42 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 132/135 L/R noise: 45/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 131/132 L/R noise: 47/42 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

L/R RSSI: 133/132 L/R noise: 51/44 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=26 dco=0

12) **DR(Air speed): 64 Kbps ******Tx power: 5 dBm

L/R RSSI: 142/145 L/R noise: 48/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 143/146 L/R noise: 50/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 143/146 L/R noise: 46/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 142/145 L/R noise: 48/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 142/144 L/R noise: 52/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 141/144 L/R noise: 49/47 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 141/144 L/R noise: 45/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 143/144 L/R noise: 47/42 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 142/144 L/R noise: 49/42 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

13) ****DR(Air speed): 64 Kbps ******Tx power: 8 dBm

L/R RSSI: 149/150 L/R noise: 64/48 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 148/151 L/R noise: 47/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 147/150 L/R noise: 49/38 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 148/150 L/R noise: 44/37 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 148/152 L/R noise: 45/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 148/151 L/R noise: 59/38 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 147/151 L/R noise: 55/49 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 147/151 L/R noise: 48/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 149/152 L/R noise: 46/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

14) ***DR(Air speed): 64 Kbps ******Tx power: 17 dBm

L/R RSSI: 164/168 L/R noise: 48/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 167/168 L/R noise: 52/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 166/169 L/R noise: 51/39 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 166/168 L/R noise: 46/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 163/167 L/R noise: 48/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 162/167 L/R noise: 50/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 162/166 L/R noise: 52/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 163/166 L/R noise: 46/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 165/166 L/R noise: 48/44 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 165/169 L/R noise: 51/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

15) **DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 183/185 L/R noise: 48/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 183/187 L/R noise: 47/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 182/185 L/R noise: 47/38 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 182/185 L/R noise: 46/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 184/186 L/R noise: 51/38 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 184/186 L/R noise: 48/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 184/186 L/R noise: 53/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 185/186 L/R noise: 48/40 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 184/188 L/R noise: 45/40 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

L/R RSSI: 184/186 L/R noise: 46/41 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=25 dco=0

****************** 1000 meter *****************

*********DR(Air speed): 4 Kbps ******Tx power: 8 dBm**

L/R RSSI: 93/92 L/R noise: 43/36 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 93/93 L/R noise: 38/45 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 41/45 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/94 L/R noise: 38/35 pkts: 1 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/94 L/R noise: 39/35 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 47/40 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 36/42 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 39/42 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 43/45 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 94/93 L/R noise: 44/45 pkts: 2 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=14 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 16 dBm**

L/R RSSI: 95/90 L/R noise: 43/59 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 92/91 L/R noise: 51/62 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 92/91 L/R noise: 39/60 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 94/92 L/R noise: 51/60 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 93/94 L/R noise: 35/58 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 93/95 L/R noise: 40/65 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 92/94 L/R noise: 47/56 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 92/94 L/R noise: 51/57 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 93/94 L/R noise: 36/64 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 20 dBm**

L/R RSSI: 102/102 L/R noise: 41/57 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 102/102 L/R noise: 38/58 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 102/102 L/R noise: 39/60 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 102/102 L/R noise: 44/53 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 103/103 L/R noise: 40/57 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=23 dco=0

L/R RSSI: 104/105 L/R noise: 37/60 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 103/102 L/R noise: 54/59 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 102/102 L/R noise: 48/58 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 101/102 L/R noise: 38/61 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 102/101 L/R noise: 38/57 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

*********DR(Air speed): 4 Kbps ******Tx power: 27 dBm**

L/R RSSI: 113/116 L/R noise: 42/54 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 112/111 L/R noise: 55/53 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 112/111 L/R noise: 36/54 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 112/115 L/R noise: 42/69 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 110/114 L/R noise: 49/56 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 110/114 L/R noise: 43/56 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 112/113 L/R noise: 47/63 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 113/113 L/R noise: 45/63 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

L/R RSSI: 114/117 L/R noise: 40/69 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=24 dco=0

2) ****DR(Air speed): 8 Kbps ******Tx power: 8 dBm

L/R RSSI: 74/80 L/R noise: 41/56 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 74/79 L/R noise: 48/57 pkts: 1 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 73/78 L/R noise: 48/57 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 73/76 L/R noise: 46/49 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 74/76 L/R noise: 39/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 76/77 L/R noise: 41/58 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 76/78 L/R noise: 42/54 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 77/78 L/R noise: 41/55 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 76/79 L/R noise: 42/57 pkts: 2 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=22 dco=0

3) ***DR(Air speed): 8 Kbps ******Tx power: 16 dBm

L/R RSSI: 99/99 L/R noise: 41/59 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 99/99 L/R noise: 42/55 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 99/99 L/R noise: 44/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 100/99 L/R noise: 47/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 100/100 L/R noise: 45/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 99/99 L/R noise: 44/49 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 99/99 L/R noise: 38/50 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 99/98 L/R noise: 42/48 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 100/99 L/R noise: 45/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 100/99 L/R noise: 41/57 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 101/100 L/R noise: 45/51 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 101/100 L/R noise: 42/54 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

4) **DR(Air speed): 8 Kbps ******Tx power: 20 dBm

L/R RSSI: 108/108 L/R noise: 46/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 107/107 L/R noise: 42/59 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 104/106 L/R noise: 43/59 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 104/106 L/R noise: 42/54 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 105/105 L/R noise: 40/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 104/104 L/R noise: 44/53 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 105/104 L/R noise: 40/58 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 107/104 L/R noise: 44/59 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 107/105 L/R noise: 46/56 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 107/106 L/R noise: 43/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 107/106 L/R noise: 42/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

5) ***DR(Air speed): 8 Kbps ******Tx power: 27 dBm

L/R RSSI: 119/120 L/R noise: 39/51 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/119 L/R noise: 39/53 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/119 L/R noise: 43/58 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/119 L/R noise: 42/58 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/119 L/R noise: 41/58 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/119 L/R noise: 40/51 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/119 L/R noise: 40/54 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 121/120 L/R noise: 40/53 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 121/118 L/R noise: 43/58 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 121/119 L/R noise: 45/53 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/118 L/R noise: 45/44 pkts: 4 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/119 L/R noise: 43/43 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=18 dco=0

L/R RSSI: 121/118 L/R noise: 41/46 pkts: 3 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=18 dco=0

7) ***DR(Air speed): 24 Kbps ******Tx power: 8 dBm

L/R RSSI: 78/73 L/R noise: 35/57 pkts: 1 txe=0 rxe=2 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 77/75 L/R noise: 34/44 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 77/75 L/R noise: 35/44 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 75/75 L/R noise: 33/44 pkts: 3 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 74/75 L/R noise: 36/44 pkts: 1 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 75/77 L/R noise: 35/48 pkts: 2 txe=0 rxe=3 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 74/77 L/R noise: 39/48 pkts: 4 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 72/78 L/R noise: 50/43 pkts: 3 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=21 dco=0

L/R RSSI: 72/75 L/R noise: 39/41 pkts: 1 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=22 dco=0

L/R RSSI: 72/76 L/R noise: 42/46 pkts: 2 txe=0 rxe=4 stx=0 srx=0 ecc=0/0 temp=22 dco=0

8) ***DR(Air speed): 24 Kbps ******Tx power: 16 dBm

L/R RSSI: 93/92 L/R noise: 38/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 93/92 L/R noise: 36/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 94/90 L/R noise: 46/45 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 94/93 L/R noise: 38/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 95/93 L/R noise: 39/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 93/93 L/R noise: 38/45 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 94/93 L/R noise: 40/45 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 94/92 L/R noise: 50/40 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 97/95 L/R noise: 41/40 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 96/96 L/R noise: 38/46 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 96/95 L/R noise: 37/41 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

9)*DR(Air speed): 24 Kbps ******Tx power: 20 dBm**

L/R RSSI: 104/101 L/R noise: 39/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 104/101 L/R noise: 41/44 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 105/104 L/R noise: 35/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 106/104 L/R noise: 37/54 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 103/102 L/R noise: 38/55 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 105/101 L/R noise: 37/42 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 104/103 L/R noise: 46/41 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 106/104 L/R noise: 43/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 107/104 L/R noise: 44/44 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 104/102 L/R noise: 43/46 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 103/102 L/R noise: 41/51 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 101/102 L/R noise: 39/49 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 102/100 L/R noise: 40/47 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

10) ***DR(Air speed): 24 Kbps ******Tx power: 27 dBm

L/R RSSI: 117/119 L/R noise: 37/62 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 119/121 L/R noise: 42/62 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 121/121 L/R noise: 41/65 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/119 L/R noise: 40/56 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 117/119 L/R noise: 36/44 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 119/119 L/R noise: 45/40 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/120 L/R noise: 38/44 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/120 L/R noise: 38/47 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/120 L/R noise: 39/43 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/120 L/R noise: 48/39 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/120 L/R noise: 60/40 pkts: 3 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 122/121 L/R noise: 49/49 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

**********DR(Air speed): 64 Kbps ******Tx power: 8 dBm**

L/R RSSI: 92/90 L/R noise: 49/55 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/91 L/R noise: 50/52 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/90 L/R noise: 51/57 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 93/92 L/R noise: 48/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 92/93 L/R noise: 47/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 93/91 L/R noise: 49/89 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/92 L/R noise: 53/45 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/92 L/R noise: 46/45 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

L/R RSSI: 91/92 L/R noise: 52/56 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=14 dco=0

13) ****DR(Air speed): 64 Kbps ******Tx power: 16 dBm

L/R RSSI: 101/100 L/R noise: 66/61 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 100/100 L/R noise: 66/58 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 100/100 L/R noise: 62/59 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 100/100 L/R noise: 57/70 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 100/100 L/R noise: 66/70 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 100/100 L/R noise: 57/63 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 100/101 L/R noise: 61/50 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 102/101 L/R noise: 55/56 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 101/100 L/R noise: 56/66 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 101/100 L/R noise: 60/48 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 101/100 L/R noise: 64/65 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 101/100 L/R noise: 67/85 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

14) **DR(Air speed): 64 Kbps ******Tx power: 20 dBm

L/R RSSI: 104/108 L/R noise: 49/78 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/107 L/R noise: 50/44 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/106 L/R noise: 55/42 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 108/106 L/R noise: 49/42 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 109/108 L/R noise: 57/59 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 109/108 L/R noise: 54/51 pkts: 3 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 109/108 L/R noise: 55/51 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 109/108 L/R noise: 57/68 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/107 L/R noise: 49/60 pkts: 4 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 107/107 L/R noise: 56/60 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 108/106 L/R noise: 51/46 pkts: 5 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

15) *****DR(Air speed): 64 Kbps ******Tx power: 27 dBm

L/R RSSI: 123/122 L/R noise: 57/44 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 122/122 L/R noise: 54/44 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 122/122 L/R noise: 51/46 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 120/122 L/R noise: 51/57 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 120/119 L/R noise: 49/61 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 121/119 L/R noise: 49/51 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 122/117 L/R noise: 53/42 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 122/119 L/R noise: 51/50 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 122/122 L/R noise: 48/51 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 123/122 L/R noise: 49/50 pkts: 5 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 125/122 L/R noise: 49/55 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=17 dco=0

L/R RSSI: 123/123 L/R noise: 52/84 pkts: 4 txe=0 rxe=1 stx=0 srx=0 ecc=0/0 temp=16 dco=0

20) ****DR(Air speed): 128 Kbps ******Tx power: 27 dBm

L/R RSSI: 57/0 L/R noise: 61/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 60/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 62/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 62/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 61/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 65/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 62/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 63/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 63/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 69/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0

L/R RSSI: 57/0 L/R noise: 57/0 pkts: 0 txe=0 rxe=0 stx=0 srx=0 ecc=0/0 temp=16 dco=0