# TEST REPORT

Report No. ....:: CHTEW21110233

Report Verification:

SHT2111009301EW Project No.....

FCC ID.....:: Q5ET60Y

Applicant's name.....: Kirisun Communication Co.,Ltd.

Address....: 3rd Floor, Building A, Tongfang Information Habour, No.11

Langshan Road, Nanshan District, Shenzhen 518057, P.R. China

Test item description .....: **PoC Two-way Radio** 

Trade Mark .....: **KIRISUN** 

Model/Type reference..... T60

T65, iTALK 220, iTALK 200 Listed Model(s) .....:

Standard .....:: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of receipt of test sample..... Nov.09, 2021

Date of testing..... Nov.09, 2021- Nov.29, 2021

Date of issue..... Nov.30, 2021

Result....: **PASS** 

Compiled by

( position+printedname+signature)...: File administrators Fanghui Zhu

Supervised by

(position+printedname+signature)....: Project Engineer Cheng Xiao Jang Miri Zhu Chengxiao

Approved by

(Position+Printed name+Signature): RF Manager Hans Hu

Testing Laboratory Name .....: Shenzhen Huatongwei International Inspection Co., Ltd.

Address....: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road,

Tianliao, Gongming, Shenzhen, China

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The test report merely correspond to the test sample.

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## 1. TEST STANDARDS AND REPORT VERSION

### 1.1. Test Standards

The tests were performed according to following standards:

- FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz
- ANSI C63.10:2013: American National Standard for Testing Unlicensed Wireless Devices
- KDB 558074 D01 15.247 Meas Guidance v05r02: Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating under Section 15.247 of The FCC Rules

### 1.2. Report version

Revision No.	Date of issue	Description
N/A	2021-11-30	Original

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# 2. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result
5.1	Antenna Requirement	15.203/15.247(c)	PASS
5.2	AC Conducted Emission	15.207	PASS
5.3	Peak Output Power	15.247(b)(3)	PASS
5.4	Power Spectral Density	15.247(e)	PASS
5.5	6dB Bandwidth	15.247(a)(2)	PASS
5.6	99% Occupied Bandwidth	-	PASS <sup>*1</sup>
5.7	Duty cycle	-	PASS <sup>*1</sup>
5.8	Conducted Band Edge and Spurious Emission	15.247(d)/15.205	PASS
5.9	Radiated Band Edge Emission	15.205/15.209	PASS
5.10	Radiated Spurious Emission	15.247(d)/15.205/15.209	PASS

#### Note:

The measurement uncertainty is not included in the test result.

 <sup>\*1:</sup> No requirement on standard, only report these test data.

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# 3. **SUMMARY**

### 3.1. Client Information

Applicant: Kirisun Communication Co.,Ltd.	
Address:  3rd Floor, Building A, Tongfang Information Habour, No.11 Langsl Road, Nanshan District, Shenzhen 518057,P.R.China	
Manufacturer:	Kirisun Communication Co.,Ltd.
Address:	3rd Floor, Building A, Tongfang Information Habour, No.11 Langshan Road, Nanshan District, Shenzhen 518057,P.R.China

# 3.2. Product Description

Name of EUT:	PoC Two-way Radio
Trade Mark:	KIRISUN
Model No.:	T60
Listed Model(s):	T65, iTALK 220, iTALK 200
Power supply:	DC3.7V for battery
Adapter Information:	Model: FJ-SW2050501000U Input: 100-204Va.c., 50/60Hz 0.25A Max Output: 5Vd.c., 1A
Rapid Charger:	Model:KBC-W65 Input:DC 5V 1000mA Output: DC 5V 700mA
Hardware version:	V1.5
Software version:	V1.4

# 3.3. Radio Specification Description

Support type*2:	802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40)
Modulation:	DSSS for 802.11b OFDM for 802.11g/802.11n(HT20)/802.11n(HT40)
Operation frequency:	2412MHz~2462MHz for 802.11b/802.11g/802.11n(HT20) 2422MHz~2452MHz for 802.11n(HT40)
Channel number:	11 for 802.11b/802.11g/802.11n(HT20) 7 for 802.11n(HT40)
Channel separation:	5MHz
Antenna type:	FPC Antenna
Antenna gain:	-0.84 dBi

Note:

<sup>\*2:</sup> only show the RF function associated with this report.

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# 3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.		
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China		
Connect information:	Phone: 86-755-26715499 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn		
Qualifications	Туре	Accreditation Number	
Qualifications	FCC	762235	

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## 4. TEST CONFIGURATION

### 4.1. Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channels which were tested. The Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the below blue front.

802.11b/802.11g/802.11n(HT20)		802.11n(HT40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	03	2422
02	2417	04	2427
· :	. :	. :	. :
06	2437	06	2437
· :	. :	. :	. :
10	2457	08	2447
11	2462	09	2452

### 4.2. Descriptions of Test mode

Preliminary tests were performed in different data rates, final test modes are considering the modulation and worse data rates as below table.

Modulation	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)	MCS0
802.11n(HT40)	MCS0

#### 4.3. Test mode

For RF test items

The engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions:

The EUT was set to connect with the WLAN AP under large package sizes transmission.

For Radiated spurious emissions test item:

The engineering test program was provided and enabled to make EUT continuous transmit.

The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data Recorded in the report.

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### 4.4. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Wheth	Whether support unit is used?				
✓	✓ No				
Item	Equipement	Trade Name	Model No.	FCC ID	Power cord
1					
2					

### 4.5. Testing environmental condition

Туре	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

### 4.6. Measurement uncertainty

Test Item	Measurement Uncertainty
AC Conducted Emission (150kHz~30MHz)	3.00 dB
Radiated Emission (30MHz~1000MHz	4.36 dB
Radiated Emissions (1GHz~25GHz)	5.10 dB
Peak Output Power	0.77dB
Power Spectral Density	0.77dB
Conducted Spurious Emission	0.77dB
6dB Bandwidth	70Hz for <1GHz 130Hz for >1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

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# 4.7. Equipment Used during the Test

•	Conducted E	mission					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Shielded Room	Albatross projects	HTWE0114	N/A	N/A	2021/9/13	2022/9/12
•	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2021/9/13	2022/9/12
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2021/9/13	2022/9/12
•	Pulse Limiter	R&S	HTWE0033	ESH3-Z2	100499	2021/9/13	2022/9/12
•	RF Connection Cable	HUBER+SUHNER	HTWE0113-02	ENVIROFLE X_142	EF-NM- BNCM-2M	2021/9/13	2022/9/12
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated emi	ssion-6th test sit	te				
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2018/09/30	2022/09/29
•	EMI Test Receiver	R&S	HTWE0099	ESCI	100900	2021/9/14	2022/9/13
•	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2021/04/06	2022/04/05
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2021/04/06	2022/04/05
•	Pre-Amplifer	SCHWARZBECK	HTWE0295	BBV 9742	N/A	2021/11/5	2022/11/4
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-01	N/A	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-02	SUCOFLEX104	501184/4	2021/02/26	2022/02/25
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated em	ission-7th test s	ite				
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	N/A	2018/09/27	2022/09/26
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2021/9/13	2022/9/12
•	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2020/04/01	2023/03/31
•	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2020/4/27	2023/4/27
•	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2021/11/5	2022/11/4
•	Broadband Pre- amplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2021/03/05	2022/03/04
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-01	6m 18GHz S Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-02	6m 3GHz RG Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-03	6m 3GHz RG Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-04	6m 3GHz RG Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0121-01	6m 18GHz S Serisa	N/A	2021/02/26	2022/02/25
•	Test Software	Audix	N/A	E3	N/A	N/A	N/A

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•	RF Conducted Method					
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Signal and spectrum Analyzer	R&S	FSV40	100048	2021/9/13	2022/9/12
•	Spectrum Analyzer	Agilent	N9020A	MY50510187	2021/9/13	2022/9/12
•	Power Meter	Anritsu	ML249A	N/A	2021/9/13	2022/9/12
0	Radio communication tester	R&S	CMW500	137688-Lv	2021/9/13	2022/9/12

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## 5. TEST CONDITIONS AND RESULTS

### 5.1. Antenna Requirement

#### Requirement

### FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responseble party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

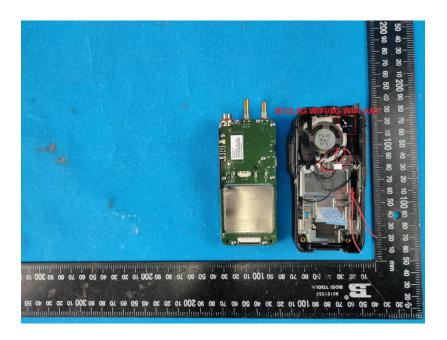
#### FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

#### **TEST RESULT**

$oxed{oxed}$ Passed	☐ Not Applicable
---------------------	------------------

The antenna type is a FPC antenna, the directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.



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#### 5.2. AC Conducted Emission

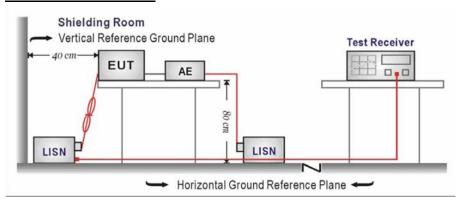
#### LIMIT

#### FCC CFR Title 47 Part 15 Subpart C Section 15.207

Fraguency range (MHz)	Limit (dBuV)					
Frequency range (MHz)	Quasi-peak	Average				
0.15-0.5	66 to 56*	56 to 46*				
0.5-5	56	46				
5-30	60	50				

<sup>\*</sup> Decreases with the logarithm of the frequency.

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. The EUT was setup according to ANSI C63.10 requirements.
- The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

### TEST MODE:

Please refer to the clause 4.2

#### **TEST RESULT**

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#### Test Line: L Level [dBµV] 70 60 50 40 30 20 10 0 150k 300k 400k 600k 800k 1M 2M 4M 5M 6M 8M 10M 20M 30M Frequency [Hz] x x x MES GM2111265047\_fin MEASUREMENT RESULT: "GM2111265047 fin" 11/26/2021 5:55PM Limit Frequency Level Transd Margin Detector Line PEdΒμV dΒμV dΒ MHzdΒ 0.159000 46.80 10.1 66 18.7 QΡ L1GND 10.1 0.564000 56 46.60 9.4 QΡ L1GND 1.050000 39.60 10.1 56 16.4 QΡ L1GND 2.211000 36.60 10.1 56 19.4 QΡ L1GND 6.171000 30.70 10.3 60 29.3 QΡ L1GND 32.5 QP 20.197500 27.50 10.7 60 L1GND MEASUREMENT RESULT: "GM2111265047 fin2" 11/26/2021 5:55PM Level Transd Limit Margin Detector Line PΕ Frequency MHz dΒμV dB dΒμV dB 0.375000 28.60 10.1 48 19.8 L1AV GND 36.80 9.2 0.568500 10.1 46 ΑV L1GND 1.050000 29.70 10.1 46 16.3 ΑV L1GND 2.364000 24.80 10.1 46 21.2 AV L1GND

5.325000

20.202000

22.90

22.60

10.3

10.7

50

50

27.1 AV

27.4 AV

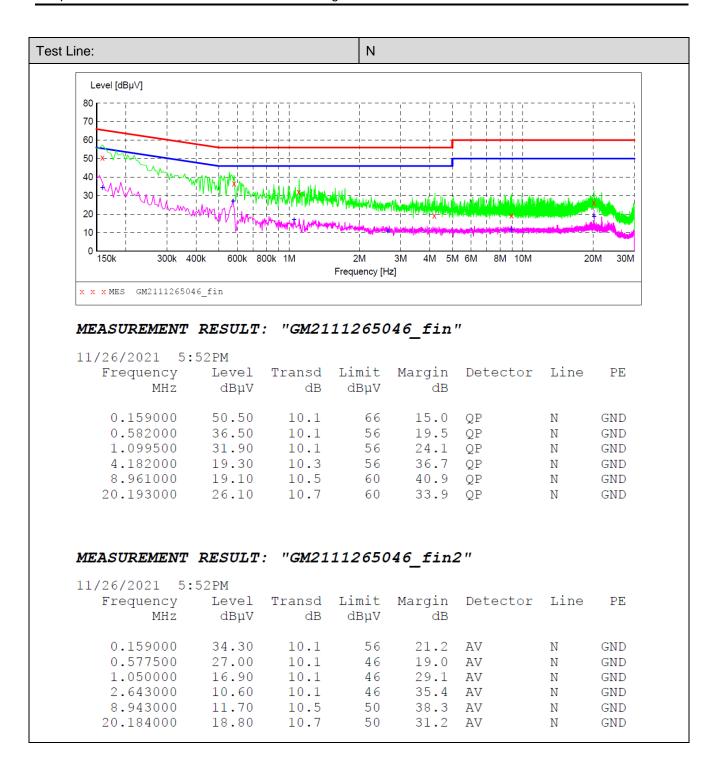
L1

L1

GND

GND

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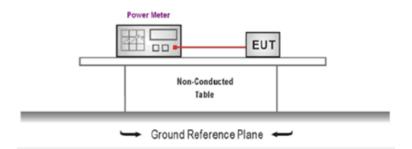
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### 5.3. Peak Output Power

#### LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3): 30dBm

### **TEST CONFIGURATION**



### **TEST PROCEDURE**

- 1. The EUT was tested according to ANSI C63.10 and KDB 558074 D01 requirements.
- 2. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
- 3. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.
- 4. Record the measurement data.

#### **TEST MODE:**

Please refer to the clause 4.2

### **TEST RESULT**

### **TEST Data**

Please refer to appendix A on the appendix report

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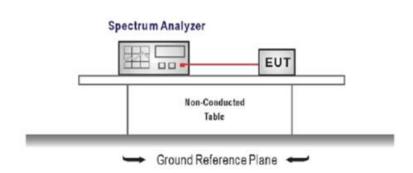
### 5.4. Power Spectral Density

#### LIMIT

### FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e):

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. Connect the antenna port(s) to the spectrum analyzer input,
- Configure the spectrum analyzer as shown below:

Center frequency=DTS channel center frequency

Span =1.5 times the DTS bandwidth

RBW = 3 kHz ≤ RBW ≤ 100 kHz, VBW ≥ 3 × RBW

Sweep time = auto couple

Detector = peak

Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter wave form on the spectrum analyzer.
- 4. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 5. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

#### **TEST MODE:**

Please refer to the clause 4.2

### **TEST RESULT**

### **TEST Data**

Please refer to appendix B on the appendix report

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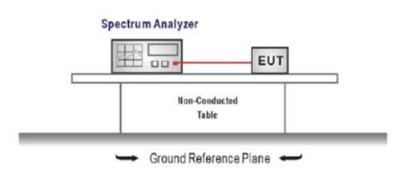
#### 5.5. 6dB bandwidth

#### LIMIT

### FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2):

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

Center Frequency =DTS channel center frequency

Span=2 x DTS bandwidth

RBW = 100 kHz, VBW ≥ 3 × RBW

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission, and record the pertinent measurements.

### TEST MODE:

Please refer to the clause 4.2

### TEST RESULT

#### **TEST Data**

Please refer to appendix C on the appendix report

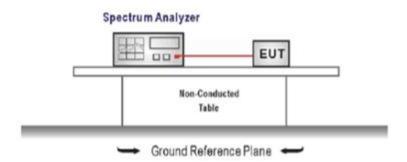
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### 5.6. 99% Occupied Bandwidth

#### <u>LIMIT</u>

N/A

#### **TEST CONFIGURATION**



### **TEST PROCEDURE**

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- Configure the spectrum analyzer as shown below (enter all losses between the transmitter output andthe spectrum analyzer).

Center Frequency =channel center frequency

Span≥1.5 x OBW

RBW = 1%~5%OBW

VBW ≥ 3 × RBW

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.

### **TEST MODE:**

Please refer to the clause 4.2

### **TEST RESULT**

#### **TEST Data**

Please refer to appendix D on the appendix report

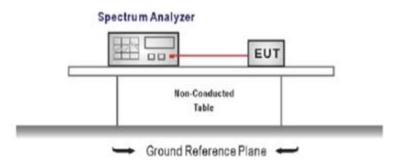
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### 5.7. Duty Cycle

### **LIMIT**

N/A

### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings:
  - Span=zero span, Frequency=centered channel, RBW= 1 MHz, VBW  $\geq$  RBW
  - Sweep=as necessary to capture the entire dwell time,
  - Detector function = peak, Trigger mode
- 4. Measure and record the duty cycle data

#### **TEST MODE:**

Please refer to the clause 4.2

#### **TEST Data**

Please refer to appendix E on the appendix report

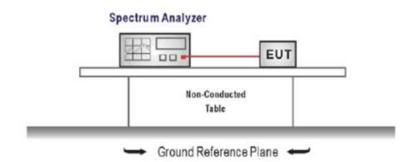
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## 5.8. Conducted Band edge and Spurious Emission

### **LIMIT**

**FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):**In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Establish a reference level by using the following procedure

Center frequency=DTS channel center frequency

The span = 1.5 times the DTS bandwidth.

RBW = 100 kHz, VBW  $\geq$  3 x RBW

Detector = peak, Sweep time = auto couple, Trace mode = max hold

Allow trace to fully stabilize

Use the peak marker function to determine the maximum PSD level

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

3. Emission level measurement

Set the center frequency and span to encompass frequency range to be measured

RBW = 100 kHz, VBW ≥ 3 x RBW

Detector = peak, Sweep time = auto couple, Trace mode = max hold

Allow trace to fully stabilize

Use the peak marker function to determine the maximum amplitude level.

- 4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 5. Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

#### **TEST MODE:**

Please refer to the clause 4.2

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TEST RESUL
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 $oxed{oxed}$  Passed  $oxed{oxed}$  Not Applicable

# TEST Data

Please refer to appendix F on the appendix report

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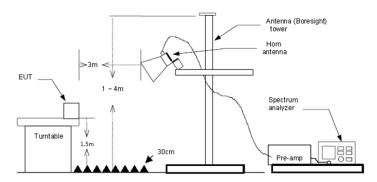
### 5.9. Radiated Band edge Emission

#### LIMIT

### FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, Radiated Emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the Radiated Emissions limits specified in §15.209(a) (see §15.205(c)).

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10 on radiated measurement.
- Use the following spectrum analyzer settings:
  - a) Span shall wide enough to fully capture the emission being measured
  - b) Set RBW=100kHz for <1GHz, VBW=3\*RBW, Sweep time=auto, Detector=peak, Trace=max hold
  - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.6 duty cycle.

### TEST MODE:

Please refer to the clause 4.2

#### **TEST RESULT**

#### Note:

- Level= Reading + Factor; Factor = Antenna Factor + Cable Loss Preamp Factor
- 2) Over Limit = Level- Limit
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m).

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	802.1	1b	Test o	channel	CH01	Po	olarity	Horizontal
Mark	MHz	Reading dBuV/m	Antenna dB	dB	dB dB	Level dBuV/m	Limit Over dBuV/m limi	t
2	2310.00 2390.01	36.67 36.87	27.96 27.72				74.00 -21.50 74.00 -21.33	
	802.1	1b	Test	channel	CH01	Po	olarity	Vertical
Mark	Frequency MHz	Reading dBuV/m	Antenna dB		and the second			Remark
1	2310.00		27.96 27.72	5.43 37. 5.53 37.			4.00 -21.52 4.00 -21.54	Peak Peak
	1 2 Mark	Mark Frequency MHz 1 2310.00 2 2390.01  802.1  Mark Frequency MHz 1 2310.00	MHz dBuV/m 1 2310.00 36.67 2 2390.01 36.87  802.11b  Mark Frequency Reading dBuV/m 1 2310.00 36.65	Mark         Frequency MHz         Reading dBuV/m         Antenna dB           1         2310.00         36.67         27.96           2         2390.01         36.87         27.72             Mark         Frequency MHz         Reading dBuV/m         Antenna dB           1         2310.00         36.65         27.96	Mark         Frequency MHz         Reading dBuV/m         Antenna dB         Cable dB         Property dB           1         2310.00         36.67         27.96         5.43         37           2         2390.01         36.87         27.72         5.53         37           B02.11b         Test channel           Mark         Frequency Reading Antenna Cable Property dB dB         Antenna dB         Cable Drophy           MHz         dBuV/m         dB         dB         dB           1         2310.00         36.65         27.96         5.43         37.4	Mark         Frequency MHz         Reading dBuV/m         Antenna dB         Cable dB         Preamp Aux dB           1         2310.00         36.67         27.96         5.43         37.56         20.06           2         2390.01         36.87         27.72         5.53         37.45         20.06           Mark         Frequency MHz         Reading dBuV/m         Antenna dB         Cable dB         Preamp Aux dB         Aux dB         dB	Mark         Frequency MHz         Reading dBuV/m         Antenna         Cable Dreamp Aux         Level dBuV/m           1         2310.00         36.67         27.96         5.43         37.56         20.00         52.50           2         2390.01         36.87         27.72         5.53         37.45         20.00         52.67           Mark         Frequency MHz         Reading dBuV/m         Antenna         Cable Dreamp Aux         Level         Level <td>Mark         Frequency MHz         Reading dBuV/m         Antenna         Cable DR Cable</td>	Mark         Frequency MHz         Reading dBuV/m         Antenna         Cable DR Cable

Туре			802.1	1b	Test	channe	el	CH11		Polarity	,	Horizontal
	Mark	Freq	uency	Reading	Antenna dB	Cable dB	Pream dB	ip Aux dB	Level dBuV/m	Limit	Over limit	Remark
	1	2483.	700	37.05	27.43	5.64	37.26	20.00	52.86	dBuV/m 74.00	-21.14	Peak
	2	2500.	00	36.74	27.40	5.66	37.26	20.00	52.54	74.00	-21.46	Peak
Туре			802.1	1b	Test	channe	el	CH11		Polarity	,	Vertical
	Mark	Freq	uency	Reading	Antenna	Cable	e Prea	mp Aux	Level	Limit	t Over	Remark
		MH	z	dBuV/m	dB	dB	dB	dB	dBuV/m	n dBuV/	/m limit	t
	1	2483.	49	38.49	27.43	5.64	37.26	20.00	54.30	74.00	-19.70	Peak
	2	2500.	00	36.64	27.40	5.66	37.26	20.00	52.44	74.00	21.56	Peak
	Mark	Freq	uency	Reading dBuV/m	Antenna dB	Cable dB	Pream;	Aux dB	Level	Limit dBuV/m	Over limit	Remark
	1	2483.		27.43	27.43	5.64	37.26	20.00	The second second second	A STATE OF THE STA	-10.76	Average
	2	2487.		28.23	27.43	5.64	37.26	20.00		54.00	-9.96	Average
	3	2500.	00	25.04	27.40	5.66	37.26	20.00	40.84	54.00	-13.16	Average

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Туре			802.1	1g	Test c	hannel	С	H01		Polarity		Horizontal
	Mark	Freq MH	uency z	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	2310.	99	37.78	27.96	5.43	37.56	20.00	53.61	74.00	-20.39	Peak
	2	2390.	01	37.23	27.72	5.53	37.45	20.00	53.03	74.00	-20.97	Peak
Туре			802.1	1g	Test c	hannel	С	H01		Polarity		Vertical
	Mark	Fred	quency Iz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/r	Limit n dBuV/m	Over limit	Remark
	1	2310.	.00	37.19	27.96	5.43	37.56	20.00	53.02	74.00	-20.98	Peak
	2	2390.	0.1	37.47	27.72	5.53	37.45	20.00	53.27	74.00	-20.73	Peak

Туре		802.1	1g	Test c	hannel	С	:H11	I	Polarity		Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	ıp Aux dB	Level dBuV/m	Limit dBuV/		Remark t
		2483.49	37.62	27.43	5.64	37.26	20.00	53.43	74.00	-20.57	Peak
	2	2500.00	36.20	27.40	5.66	37.26	20.00	52.00	74.00	-22.00	Peak
Туре		802.1	1g	Test c	hannel	C	H11	1	Polarity		Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/m	Limit dBuV/n	Over limit	Remark
	1	2483.49	42.23	27.43	5.64	37.26	20.00	58.04	74.00	-15.96	Peak
	2	2486.72	43.49	27.43	5.64	37.26	20.00	59.30	74.00	-14.70	Peak
	3	2500.00	36.49	27.40	5.66	37.26	20.00	52.29	74.00	-21.71	Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	2483.49	28.53	27.43	5.64	37.26	20.00	44.34	54.00	-9.66	Average
	2	2500.00	25.09	27.40	5.66	37.26	20.00	40.89	54.00	-13.11	Average

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Туре			802.1	1n(HT20)	Test	hannel	C	CH01		Polarity		Horizontal
	Mark	Freq MH	luency Iz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	ıp Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1 2	2310.		37.54 37.21	27.96 27.72	5.43	37.56 37.45	20.00	53.37 53.01		-20.63 -20.99	Peak Peak
Туре			802.1	1n(HT20)	Test o	hannel	C	CH01		Polarity		Vertical
	Mark		quency <del>I</del> z	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	np Aux dB	Level dBuV/m	Limit n dBuV/m	Over limit	Remark
	1	2310	.00	37.51	27.96	5.43	37.56	20.00	53.34	74.00	-20.66	Peak
	2	2390	.01	37.44	27.72	5.53	37.45	20.00	53.24	74.00	-20.76	Peak

Туре		802.	11n(HT20)	Test	channel	C	H11		Polarity		Horizontal
	Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	0ver	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/	m limit	t
	1	2483.49	38.95	27.43	5.64	37.26	20.00	54.76	74.00	-19.24	Peak
	2	2484.26	41.18	27.43	5.64	37.26	20.00	56.99	74.00	-17.01	Peak
	3	2500.00	36.23	27.40	5.66	37.26	20.00	52.03	74.00	-21.97	Peak
	Mark	Frequency	/ Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2483.49	26.26	27.43	5.64	37.26	20.00	42.07	54.00	-11.93	Average
	2	2500.00	25.03	27.40	5.66	37.26	20.00	40.83	54.00	-13.17	Average
Туре		802.	11n(HT20)	Test	channel	C	H11		Polarity		Vertical
	Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2483.49	41.95	27.43	5.64	37.26	20.00	57.76	74.00	-16.24	Peak
	2	2484.65	45.11	27.43	5.64	37.26	20.00	60.92	74.00	-13.08	Peak
	3	2500.00	36.78	27.40	5.66	37.26	20.00	52.58	74.00	-21.42	Peak
	Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
	1	2483.49	29.82	27.43	5.64	37.26	20.00	45.63	54.00	-8.37	Average
	1	- 100110									

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Туре		80	2.11n(HT40)	Test	channel	CH	103		Polarity	Horizontal
	Mark	Frequen MHz	y Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level	Limit Over	Remark
	1	2310.00	36.30	27.96	5.43	37.56	20.00	52.13	74.00 -21.87	Peak
	2	2389.99	36.24	27.72	5.53	37.45	20.00	52.04	74.00 -21.96	Peak
Туре		80	2.11n(HT40)	Test	channel	CH	103		Polarity	Vertical
	Mark	Frequenc MHz	y Reading /	Antenna dB	Cable F	reamp dB	Aux dB	Level dBuV/m	Limit Over F dBuV/m limit	Remark
				7 00	E 42 27	7.56 2	0.00 5	3.27	74.00 -20.73	Peak
	1	2310.00	37.44	27.96	5.43 37		0.00	13.21	/4.00 -20./3	reak

Туре		802.	11n(HT40)	Test	channel	CH09		Polarity	Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB		reamp Aux dB dB	Level dBuV/m	Limit Over	
	1	2483.50	38.89	27.43	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.26 20.00	54.70	74.00 -19.30	
	2	2483.56	42.02	27.43		.26 20.00	57.83	74.00 -16.17	
	3	2500.00	36.11	27.40	5.66 37	.26 20.00	51.91	74.00 -22.09	Peak
	Mark	Frequency MHz	Reading /	Antenna dB	Cable Pre	eamp Aux		Limit Over dBuV/m limit	Remark
	1	2483.50	27.45	27.43	5.64 37.2	26 20.00	43.26	54.00 -10.74	Average
	2	2500.00	25.43	27.40	5.66 37.2	20.00	41.23	54.00 -12.77	Average
Туре		802.	11n(HT40)	Test	channel	CH09		Polarity	Vertical
	Mark	Frequency	Reading	Antenna	Cable F	reamp Aux	Level	Limit Ove	r Remark
		MHz	dBuV/m	dB	dB	dB dB	dBuV/m	ı dBuV/m lim	it
	1	2483.50	42.92	27.43	5.64 37	7.26 20.00	58.73	74.00 -15.2	7 Peak
	2	2484.14	45.05	27.43	5.64 37	7.26 20.00	60.86	74.00 -13.1	4 Peak
	3	2500.00	36.63	27.40	5.66 37	7.26 20.00	52.43	74.00 -21.5	7 Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB		eamp Aux B dB	Level dBuV/m	Limit Over dBuV/m limit	Remark
	1	2483.50	29.78	27.43	5.64 37.	26 20.00	45.59	54.00 -8.41	Average
	2	2500.00	25.80	27,40	5.66 37.	26 20.00	42 55	54.00 -12.40	Average

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## 5.10. Radiated Spurious Emission

### **LIMIT**

### FCC CFR Title 47 Part 15 Subpart C Section 15.209

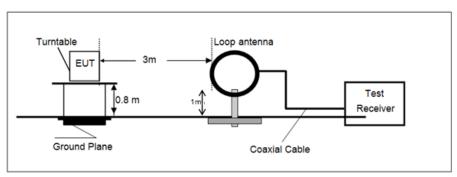
Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40\*log(300/3) = Limit dBuV/m @300m +80, Limit dBuV/m @3m = Limit dBuV/m @30m +40\*log(30/3) = Limit dBuV/m @30m + 40.

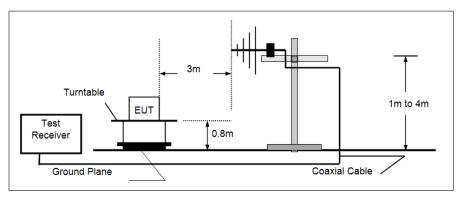
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above IGHZ	74.00	Peak

### **TEST CONFIGURATION**

#### → 9 kHz ~ 30 MHz

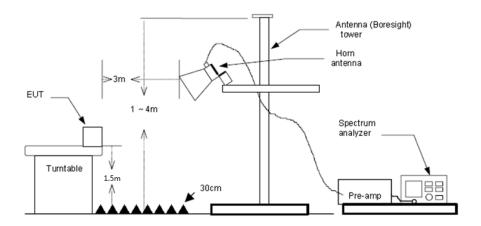


### > 30 MHz ~ 1 GHz



Above 1 GHz

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#### **TEST PROCEDURE**

- The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
  - a) Span shall wide enough to fully capture the emission being measured;
  - b) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.6 duty cycle.

#### TEST MODE:

Please refer to the clause 4.2

#### **TEST RESULT**

#### Note:

- 1) Level= Reading + Factor/Transd; Factor/Transd = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.

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### TEST DATA FOR 9 kHz ~ 30 MHz

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

### TEST DATA FOR 30 MHz ~ 1000 MHz

Have pre-scan all test channel, found CH06 of 802.11B which it was worst case, so only show the worst case's data on this report.

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#### Polarization: Horizontal Level [dBµV/m] 80 70 60 50 40 30 20 10 30M 40M 50M 60M 70M 100M 200M 300M 400M 500M 600M 800M Frequency [Hz] x x x MES GM2111266102 red MEASUREMENT RESULT: "GM2111266102 red" 11/26/2021 8:54PM Frequency MHz Level Transd Limit Margin Det. Height Azimuth Polarization dB dBµV/m dBµV/m dB cm deg 47.460000 26.00 -8.6 40.0 14.0 QP 100.0 162.00 HORIZONTAL -9.4 17.9 QP 22.10 300.0 122.00 HORIZONTAL 57.160000 40.0 23.90 -14.1 31.90 -8.1 26.60 -0.2 19.6 QP 14.1 QP 19.4 QP 144.460000 100.0 185.00 HORIZONTAL 100.0 162.00 HORIZONTAL 43.5 262.800000 46.0 555.740000 46.0 300.0 65.00 HORIZONTAL 957.320000 36.70 7.9 46.0 9.3 QP 300.0 27.00 HORIZONTAL Vertical Polarization: Level [dBµV/m] 80 60 50 40 30 20 10 200M 30M 40M 50M 60M 70M 100M 300M 400M 500M 600M 800M 1G Frequency [Hz] x x x MES GM2111266101 red MEASUREMENT RESULT: "GM2111266101 red" 11/26/2021 8:50PM Frequency Level Transd Limit Margin Det. Height Azimuth Polarization dB MHz dBµV/m dB dBµV/m

5.4 QP 3.7 QP

10.3 QP 17.7 QP 11.9 QP

10.5 QP

100.0

100.0

100.0

100.0

100.0

31.940000

47.460000

76.560000

142.520000

167.740000

928.220000

-12.4

-8.6

-14.2

-13.0

7.7

40.0

40.0

40.0

43.5

43.5

46.0

34.60

36.30

25.80

31.60

35.50

29.70 -15.3

116.00 VERTICAL

204.00 VERTICAL

VERTICAL

VERTICAL

VERTICAL

38.00

100.0 168.00 VERTICAL 90.00

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## TEST DATA FOR 1 GHz ~ 25 GHz

Туре		802.11b		Test channel		CH01		Polarity	Horizontal
	Mark	Frequency MHz	Reading dBuV/		Cable dB	e Preamp dB	Level dBuV/n		
	1	1666.72	46.96	25.10	4.57	37.18	39.45	74.00 -34.5	
	2	2995.54	48.98	28.70	6.20	37.47	46.41	74.00 -27.5	
	3	4821.76	40.35	31.40	8.50	35.24	45.01	74.00 -28.9	
	4	4983.99	42.63	31.77	8.80	35.22	47.98	74.00 -26.0	2 Peak
Туре		802.11b		Test channel		CH01		Polarity	Vertical
	Mark	Frequency MHz	Readin dBuV/		Cable dB	e Preamp dB	Leve dBuV/i		
	1	1659.41	51.15	25.10	4.56	37.20	43.61	74.00 -30.	39 Peak
	2	2995.54	52.19	28.70	6.20	37.47	49.62	74.00 -24.	38 Peak
	3	4821.76	38.61	31.40	8.50	35.24	43.27	74.00 -30.	73 Peak
	4	4996.69	43.32	31.87	8.81	35.24	48.76	74.00 -25.	24 Peak
Туре		802.11b		Test channel		CH06		Polarity	Horizontal
	Mark	Frequency	Readin		Cabl				
		MHz	dBuV/		dB	dB	dBuV/	•	mit
	1	1666.72	46.96	25.10	4.57		39.45		.55 Peak
	2	2987.92	48.43	28.70	6.19		45.85		.15 Peak
	3	4871.10	39.01	31.40	8.63		43.88	74.00 -30	
	4	4996.69	42.35	31.87	8.81	35.24	47.79	74.00 -26	.21 Peak
_									
Type		802.11b		Test channel		CH06		Polarity	Vertical
Туре	Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit Over	Remark
Туре		Frequency MHz	dBuV/m	Antenna (	Cable dB	Preamp dB	dBuV/m	Limit Over dBuV/m limit	Remark
Туре	1	Frequency MHz 1659.41	dBuV/m 51.15	Antenna d dB 25.10	Cable dB 4.56	Preamp dB 37.20	dBuV/m 43.61	Limit Over dBuV/m limit 74.00 -30.39	Remark : Peak
Туре	1 2	Frequency MHz 1659.41 2987.92	dBuV/m 51.15 52.42	Antenna dB 25.10 28.70	Cable dB 4.56 6.19	Preamp dB 37.20 37.47	dBuV/m 43.61 49.84	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16	Remark : Peak Peak
Туре	1 2 3	Frequency MHz 1659.41 2987.92 4871.10	dBuV/m 51.15 52.42 38.01	Antenna dB 25.10 428.70 31.40	Cable dB 4.56 6.19 8.63	Preamp dB 37.20 37.47 35.16	dBuV/m 43.61 49.84 42.88	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12	Remark Peak Peak Peak
Type	1 2	Frequency MHz 1659.41 2987.92	dBuV/m 51.15 52.42	Antenna dB 25.10 428.70 31.40	Cable dB 4.56 6.19	Preamp dB 37.20 37.47	dBuV/m 43.61 49.84	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16	Remark Peak Peak Peak
Туре	1 2 3	Frequency MHz 1659.41 2987.92 4871.10	dBuV/m 51.15 52.42 38.01	Antenna dB 25.10 428.70 31.40	Cable dB 4.56 6.19 8.63 8.80	Preamp dB 37.20 37.47 35.16	dBuV/m 43.61 49.84 42.88	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12	Remark Peak Peak Peak
	1 2 3	Frequency MHz 1659.41 2987.92 4871.10 4983.99	dBuV/m 51.15 52.42 38.01	Antenna dB 25.10 28.70 31.40 31.77 Test channel	Cable dB 4.56 6.19 8.63 8.80	Preamp dB 37.20 37.47 35.16 35.22	dBuV/m 43.61 49.84 42.88	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39 Polarity	Remark  Peak Peak Peak Peak Peak Horizontal
	1 2 3 4	Frequency MHz 1659.41 2987.92 4871.10 4983.99	dBuV/m 51.15 52.42 38.01 43.26	Antenna dB 25.10 28.70 31.40 31.77 Test channel	Cable dB 4.56 6.19 8.63 8.80	Preamp dB 37.20 37.47 35.16 35.22	dBuV/m 43.61 49.84 42.88 48.61	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39 Polarity  Limit Over	Remark  Peak Peak Peak Peak Peak  Horizontal
	1 2 3 4	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency	dBuV/m 51.15 52.42 38.01 43.26	Antenna dB 25.10 28.70 31.40 31.77 Test channel	Cable dB 4.56 6.19 8.63 8.80	Preamp dB 37.20 37.47 35.16 35.22 CH11	dBuV/m 43.61 49.84 42.88 48.61	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39 Polarity  Limit Over	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark
	1 2 3 4 Mark	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency MHz	dBuV/m 51.15 52.42 38.01 43.26 Reading	Antenna dB 25.10 28.70 31.40 31.77  Test channel  Antenna dB	Cable dB 4.56 6.19 8.63 8.80 Cable	Preamp dB 37.20 37.47 35.16 35.22 CH11	dBuV/m 43.61 49.84 42.88 48.61 Level dBuV/m	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39  Polarity  Limit Over dBuV/m limit	Remark  Peak Peak Peak Peak  Horizontal Remark  It
	1 2 3 4 Mark	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency MHz 1666.72	dBuV/m 51.15 52.42 38.01 43.26 Reading dBuV/r 46.96	Antenna dB 25.10 28.70 31.40 31.77  Test channel Antenna dB 25.10	Cable dB 4.56 6.19 8.63 8.80 Cable dB 4.57	Preamp dB 37.20 37.47 35.16 35.22 CH11 e Preamp dB 37.18	dBuV/m 43.61 49.84 42.88 48.61 Level dBuV/r 39.45	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39  Polarity  Limit Over dBuV/m limit 74.00 -34.5	Remark  Peak Peak Peak Peak  Horizontal  Remark  It  55 Peak  Feak  Remark  Remark  Remark  Remark
	1 2 3 4 Mark	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency MHz 1666.72 2995.54	dBuV/m 51.15 52.42 38.01 43.26 Reading dBuV/r 46.96 51.04	Antenna dB 25.10 28.70 31.40 31.77  Test channel Antenna dB 25.10 28.70 31.77	Cable dB 4.56 6.19 8.63 8.80 Cable dB 4.57 6.20	Preamp dB 37.20 37.47 35.16 35.22 CH11 e Preamp dB 37.18 37.47	dBuV/m 43.61 49.84 42.88 48.61 Level dBuV/r 39.45 48.47	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39  Polarity  Limit Over dBuV/m limit 74.00 -34.5 74.00 -34.5	Remark Peak Peak Peak Peak Horizontal Remark it 55 Peak 63 Peak 49 Peak
	1 2 3 4 Mark 1 2 3	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency MHz 1666.72 2995.54 4983.99	dBuV/m 51.15 52.42 38.01 43.26 Reading dBuV/r 46.96 51.04 38.16	Antenna dB 25.10 28.70 31.40 31.77  Test channel Antenna dB 25.10 28.70 31.77	Cable dB 4.56 6.19 8.63 8.80 Cable dB 4.57 6.20 8.80 10.91	Preamp dB 37.20 37.47 35.16 35.22 CH11 e Preamp dB 37.18 37.47 35.22	dBuV/m 43.61 49.84 42.88 48.61 Level dBuV/r 39.45 48.47 43.51	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39  Polarity  Limit Over dBuV/m limit 74.00 -34.5 74.00 -34.5 74.00 -34.5	Remark Peak Peak Peak Peak Horizontal Remark it 55 Peak 63 Peak 49 Peak
Type	1 2 3 4 Mark 1 2 3	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency MHz 1666.72 2995.54 4983.99 8002.06	dBuV/m 51.15 52.42 38.01 43.26 Reading dBuV/r 46.96 51.04 38.16 33.22	Antenna  dB  25.10  28.70  31.40  31.77  Test channel  Antenna  dB  25.10  28.70  31.77  37.10  Test channel  Antenna  Antenna  Antenna  Antenna  Antenna  Antenna  Antenna  Antenna  Antenna	Cable dB 4.56 6.19 8.63 8.80 Cable dB 4.57 6.20 8.80 10.91	Preamp dB 37.20 37.47 35.16 35.22 CH11  Preamp dB 37.18 37.47 35.22 33.31 CH11	dBuV/m 43.61 49.84 42.88 48.61 Level dBuV/r 39.45 48.47 43.51 47.92	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39  Polarity  Limit Over dBuV/m limi 74.00 -34.5 74.00 -25.5 74.00 -30.4 74.00 -26.6  Polarity  Limit Over	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark  Et 55 Peak 63 Peak 49 Peak 49 Peak Vertical  Remark
Type	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency MHz 1666.72 2995.54 4983.99 8002.06 802.11b Frequency MHz	dBuV/m 51.15 52.42 38.01 43.26 Reading dBuV/r 46.96 51.04 38.16 33.22	Antenna  dB  25.10  28.70  31.40  31.77  Test channel  Antenna  dB  25.10  28.70  31.77  37.10  Test channel  Antenna  dB  Antenna  dB  Antenna  dB  Antenna  dB  Antenna  dB  Antenna	Cable dB 4.56 6.19 8.63 8.80 Cable dB 4.57 6.20 8.80 10.91 Cable dB	Preamp dB 37.20 37.47 35.16 35.22 CH11  Preamp dB 37.18 37.47 35.22 33.31 CH11  Preamp dB Preamp dB ST.47 ST.22 ST.47 ST	dBuV/m 43.61 49.84 42.88 48.61 Level dBuV/m 39.45 48.47 43.51 47.92 Level dBuV/m	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39  Polarity  Limit Over dBuV/m limi 74.00 -34.5 74.00 -30.4 74.00 -26.6  Polarity  Limit Over dBuV/m limi Over dBuV/m limi Over dBuV/m limi	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark  tt  Peak Peak Peak Peak Peak Peak Peak Remark  Vertical Remark tt
Type	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency MHz 1666.72 2995.54 4983.99 8002.06 802.11b Frequency MHz	dBuV/m 51.15 52.42 38.01 43.26 Reading dBuV/r 46.96 51.04 38.16 33.22	Antenna  dB  25.10  28.70  31.40  31.77  Test channel  Antenna  dB  25.10  28.70  31.77  37.10  Test channel  Antenna  dB  25.10  28.70  31.77  37.10  Test channel  Antenna  dB  25.10	Cable dB 4.56 6.19 8.63 8.80 Cable dB 4.57 6.20 8.80 10.91 Cable dB 4.56	Preamp dB 37.20 37.47 35.16 35.22 CH11  Preamp dB 37.18 37.47 35.22 33.31  CH11  Preamp dB 37.20	dBuV/m 43.61 49.84 42.88 48.61 Level dBuV/m 39.45 48.47 43.51 47.92 Level dBuV/m 43.61	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39  Polarity  Limit Over dBuV/m limi 74.00 -34.5 74.00 -25.5 74.00 -30.4 74.00 -26.6  Polarity  Limit Over dBuV/m limi 74.00 -30.3	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark  it 55 Peak 63 Peak 49 Peak Wertical  Remark  t 9 Peak
Type	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency MHz 1666.72 2995.54 4983.99 8002.06 802.11b Frequency MHz 1659.41 2995.54	dBuV/m 51.15 52.42 38.01 43.26 Reading dBuV/r 46.96 51.04 38.16 33.22 Reading dBuV/r 51.15 52.28	Antenna  dB  25.10  28.70  31.40  31.77  Test channel  Antenna  dB  25.10  28.70  31.77  37.10  Test channel  Antenna  dB  25.10  28.70  31.77  37.10  Test channel  Antenna  dB  25.10  28.70	Cable dB 4.56 6.19 8.63 8.80 Cable dB 4.57 6.20 8.80 10.91 Cable dB 4.56 6.20	Preamp dB 37.20 37.47 35.16 35.22 CH11  Preamp dB 37.18 37.47 35.22 33.31  CH11  Preamp dB 37.47 35.22 33.31	dBuV/m 43.61 49.84 42.88 48.61 Level dBuV/m 39.45 48.47 43.51 47.92 Level dBuV/m 43.61 49.71	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39  Polarity  Limit Over dBuV/m limi 74.00 -34.5 74.00 -36.6  Polarity  Limit Over dBuV/m limi 74.00 -26.6  Polarity  Limit Over dBuV/m limi 74.00 -30.4 74.00 -26.6	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark  it 55 Peak 63 Peak 49 Peak Peak Vertical  Remark t 9 Peak 9 Peak
Type	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2987.92 4871.10 4983.99 802.11b Frequency MHz 1666.72 2995.54 4983.99 8002.06 802.11b Frequency MHz	dBuV/m 51.15 52.42 38.01 43.26 Reading dBuV/r 46.96 51.04 38.16 33.22	Antenna  dB  25.10  28.70  31.40  31.77  Test channel  Antenna  dB  25.10  28.70  31.77  37.10  Test channel  Antenna  dB  25.10  28.70  31.77  37.10  Test channel  Antenna  dB  25.10  28.70  31.87	Cable dB 4.56 6.19 8.63 8.80 Cable dB 4.57 6.20 8.80 10.91 Cable dB 4.56	Preamp dB 37.20 37.47 35.16 35.22 CH11  Preamp dB 37.18 37.47 35.22 33.31  CH11  Preamp dB 37.20	dBuV/m 43.61 49.84 42.88 48.61 Level dBuV/m 39.45 48.47 43.51 47.92 Level dBuV/m 43.61	Limit Over dBuV/m limit 74.00 -30.39 74.00 -24.16 74.00 -31.12 74.00 -25.39  Polarity  Limit Over dBuV/m limit 74.00 -34.5 74.00 -25.5 74.00 -26.6  Polarity  Limit Over dBuV/m limit 74.00 -30.4 74.00 -26.6  Polarity  Limit Over dBuV/m limit 74.00 -30.3 74.00 -23.2	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark  it 55 Peak 63 Peak 49 Peak Peak Vertical  Remark t 9 Peak 9 Peak

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Туре		802.11g		Test channe	el	CH01		Polarity	Horizontal
	Mark	Frequency	Reading		Cable	and the same of th			er Remark
	21	MHz	dBuV/n		dB	dB	dBuV/r		mit
	1	1666.72	46.96	25.10	4.57	37.18	39.45		.55 Peak
	2	2995.54	48.85	28.70	6.20	37.47	46.28		.72 Peak
	3	4983.99	38.79	31.77	8.80	35.22	44.14		.86 Peak
	4	8063.40	31.91	37.20	11.08	33.32	46.87	74.00 -27	'.13 Peak
Туре		802.11g		Test channe	el	CH01		Polarity	Vertical
	Mark	Frequency	Reading		Cable		Level		
	4	MHz	dBuV/m 51.15		dB	dB	dBuV/m		mit
	1 2	1659.41 2995.54	52.56	25.10 28.70	4.56 6.20	37.20	43.61	74.00 -30 74.00 -24	
	3	4983.99	42.16	31.77	8.80	37.47 35.22	49.99 47.51	74.00 -24 74.00 -26	
	4	9322.50	33.34	39.25	11.82	36.40	48.01		.49 Peak .99 Peak
	-	9322.30	33.34	39.23	11.02	30.40	40.01	74.00 -23	.99 Feak
Туре		802.11g		Test channe	el	CH06		Polarity	Horizontal
	Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit Ove	r Remark
		MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m lim	it
	1	1666.72	46.96	25.10	4.57	37.18	39.45	74.00 -34.	
	2	3003.17	50.50	28.71	6.20	37.46	47.95	74.00 -26.	
	3	4996.69	38.83	31.87	8.81	35.24	44.27	74.00 -29.	
	4	8063.40	32.20	37.20	11.08	33.32	47.16	74.00 -26.	84 Peak
_									
Туре		802.11g		Test channe	el	CH06		Polarity	Vertical
Туре	Mark	802.11g Frequency	Reading	Antenna	Cable	CH06 Preamp	Level	Limit Ove	
Туре	Mark		Reading dBuV/m	Antenna			Level dBuV/m	Limit Ove	r Remark
Type	1	Frequency MHz 1659.41	dBuV/m 51.15	Antenna dB 25.10	Cable dB 4.56	Preamp dB 37.20	dBuV/m 43.61	Limit Ove dBuV/m lim 74.00 -30.	r Remark iit 39 Peak
Туре	1 2	Frequency MHz 1659.41 2995.54	dBuV/m 51.15 51.77	Antenna dB 25.10 28.70	Cable dB 4.56 6.20	Preamp dB 37.20 37.47	dBuV/m 43.61 49.20	Limit Ove dBuV/m lim 74.00 -30. 74.00 -24.	r Remark nit 39 Peak 80 Peak
Туре	1 2 3	Frequency MHz 1659.41 2995.54 4996.69	dBuV/m 51.15 51.77 44.75	Antenna dB 25.10 28.70 31.87	Cable dB 4.56 6.20 8.81	Preamp dB 37.20 37.47 35.24	dBuV/m 43.61 49.20 50.19	Limit Ove dBuV/m lim 74.00 -30. 74.00 -24. 74.00 -23.	r Remark nit 39 Peak 80 Peak 81 Peak
Туре	1 2	Frequency MHz 1659.41 2995.54	dBuV/m 51.15 51.77	Antenna dB 25.10 28.70	Cable dB 4.56 6.20	Preamp dB 37.20 37.47	dBuV/m 43.61 49.20	Limit Ove dBuV/m lim 74.00 -30. 74.00 -24.	r Remark nit 39 Peak 80 Peak 81 Peak
Type	1 2 3	Frequency MHz 1659.41 2995.54 4996.69	dBuV/m 51.15 51.77 44.75	Antenna dB 25.10 28.70 31.87	Cable dB 4.56 6.20 8.81 11.21	Preamp dB 37.20 37.47 35.24	dBuV/m 43.61 49.20 50.19	Limit Ove dBuV/m lim 74.00 -30. 74.00 -24. 74.00 -23.	r Remark nit 39 Peak 80 Peak 81 Peak
	1 2 3	Frequency MHz 1659.41 2995.54 4996.69 8104.56	dBuV/m 51.15 51.77 44.75	Antenna dB 25.10 28.70 31.87 37.18	Cable dB 4.56 6.20 8.81 11.21	Preamp dB 37.20 37.47 35.24 33.33	dBuV/m 43.61 49.20 50.19	Limit Ove dBuV/m lim 74.00 -30. 74.00 -24. 74.00 -23. 74.00 -26.	r Remark iit 39 Peak 80 Peak 81 Peak 19 Peak Horizontal
	1 2 3 4	Frequency MHz 1659.41 2995.54 4996.69 8104.56	dBuV/m 51.15 51.77 44.75 32.75	Antenna dB 25.10 28.70 31.87 37.18 Test channe	Cable dB 4.56 6.20 8.81 11.21	Preamp dB 37.20 37.47 35.24 33.33	dBuV/m 43.61 49.20 50.19 47.81	Limit Ove dBuV/m lim 74.00 -30. 74.00 -24. 74.00 -23. 74.00 -26. Polarity	r Remark nit 39 Peak 80 Peak 81 Peak 19 Peak Horizontal
	1 2 3 4	Frequency MHz 1659.41 2995.54 4996.69 8104.56 802.11g Frequency	dBuV/m 51.15 51.77 44.75 32.75	Antenna dB 25.10 28.70 31.87 37.18 Test channe	Cable dB 4.56 6.20 8.81 11.21	Preamp dB 37.20 37.47 35.24 33.33 CH11	dBuV/m 43.61 49.20 50.19 47.81	Limit Ove dBuV/m lim 74.00 -30. 74.00 -24. 74.00 -23. 74.00 -26. Polarity	r Remark dit 39 Peak 80 Peak 81 Peak 19 Peak  Horizontal er Remark
	1 2 3 4 Mark	Frequency MHz 1659.41 2995.54 4996.69 8104.56 802.11g Frequency MHz	dBuV/m 51.15 51.77 44.75 32.75 Reading	Antenna dB 25.10 28.70 31.87 37.18 Test channe Antenna dB	Cable dB 4.56 6.20 8.81 11.21 el Cable dB 4.57 6.20	Preamp dB 37.20 37.47 35.24 33.33 CH11	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m	Limit Ove dBuV/m lim 74.00 -30. 74.00 -24. 74.00 -23. 74.00 -26. Polarity  Limit Ove dBuV/m lim	r Remark dit 39 Peak 80 Peak 81 Peak 19 Peak  Horizontal er Remark mit .55 Peak
	1 2 3 4 Mark	Frequency MHz 1659.41 2995.54 4996.69 8104.56 802.11g Frequency MHz 1666.72	dBuV/m 51.15 51.77 44.75 32.75 Reading dBuV/m 46.96	Antenna dB 25.10 28.70 31.87 37.18 Test channe dB 25.10	Cable dB 4.56 6.20 8.81 11.21 el Cable dB 4.57	Preamp dB 37.20 37.47 35.24 33.33 CH11 Preamp dB 37.18	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m 39.45	Limit Ove dBuV/m lim 74.00 -30. 74.00 -23. 74.00 -26.  Polarity  Limit Ove dBuV/m lim 74.00 -34	r Remark dit 39 Peak 80 Peak 81 Peak 19 Peak  Horizontal er Remark mit .55 Peak .48 Peak
	1 2 3 4 Mark	Frequency MHz 1659.41 2995.54 4996.69 8104.56 802.11g Frequency MHz 1666.72 2995.54	dBuV/m 51.15 51.77 44.75 32.75 Reading dBuV/m 46.96 49.09	Antenna dB 25.10 28.70 31.87 37.18 Test channe Antenna dB 25.10 28.70	Cable dB 4.56 6.20 8.81 11.21 el Cable dB 4.57 6.20	Preamp dB 37.20 37.47 35.24 33.33 CH11 Preamp dB 37.18 37.47	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m 39.45 46.52	Limit Ove dBuV/m lim 74.00 -30. 74.00 -23. 74.00 -26.  Polarity  Limit Ove dBuV/m lim 74.00 -34. 74.00 -34. 74.00 -27.	r Remark dit 39 Peak 80 Peak 81 Peak 19 Peak  Horizontal er Remark mit .55 Peak .48 Peak
Туре	1 2 3 4 Mark 1 2 3	Frequency MHz 1659.41 2995.54 4996.69 8104.56 802.11g Frequency MHz 1666.72 2995.54 4996.69 8725.48	dBuV/m 51.15 51.77 44.75 32.75 Reading dBuV/m 46.96 49.09 39.10	Antenna dB 25.10 28.70 31.87 37.18 Test channe Antenna dB 25.10 28.70 31.87 37.70	Cable dB 4.56 6.20 8.81 11.21 el Cable dB 4.57 6.20 8.81 11.97	Preamp dB 37.20 37.47 35.24 33.33 CH11 Preamp dB 37.18 37.47 35.24	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m 39.45 46.52 44.54	Limit Ove dBuV/m lim 74.00 -30. 74.00 -23. 74.00 -26.  Polarity  Limit Ove dBuV/m lim 74.00 -34. 74.00 -34. 74.00 -27. 74.00 -29. 74.00 -26.	Peak 39 Peak 80 Peak 81 Peak 19 Peak Horizontal er Remark mit .55 Peak .48 Peak .46 Peak
	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2995.54 4996.69 8104.56 802.11g Frequency MHz 1666.72 2995.54 4996.69 8725.48	dBuV/m 51.15 51.77 44.75 32.75 Reading dBuV/m 46.96 49.09 39.10 32.52	Antenna dB 25.10 28.70 31.87 37.18  Test channe dB 25.10 28.70 31.87 37.70  Test channe	Cable dB 4.56 6.20 8.81 11.21 el Cable dB 4.57 6.20 8.81 11.97	Preamp dB 37.20 37.47 35.24 33.33 CH11 Preamp dB 37.18 37.47 35.24 34.75	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m 39.45 46.52 44.54 47.44	Limit Ove dBuV/m lim 74.00 -30. 74.00 -23. 74.00 -26.  Polarity  Limit Ove dBuV/m lim 74.00 -34. 74.00 -34. 74.00 -27. 74.00 -29. 74.00 -26.	Peak 39 Peak 80 Peak 81 Peak 19 Peak Horizontal er Remark mit .55 Peak .48 Peak .46 Peak .56 Peak
Туре	1 2 3 4 Mark 1 2 3	Frequency MHz 1659.41 2995.54 4996.69 8104.56  802.11g  Frequency MHz 1666.72 2995.54 4996.69 8725.48  802.11g  Frequency	dBuV/m 51.15 51.77 44.75 32.75 Reading dBuV/m 46.96 49.09 39.10 32.52	Antenna dB 25.10 28.70 31.87 37.18  Test channe dB 25.10 28.70 31.87 37.70  Test channe	Cable dB 4.56 6.20 8.81 11.21 el Cable dB 4.57 6.20 8.81 11.97 el Cable	Preamp dB 37.20 37.47 35.24 33.33  CH11  Preamp dB 37.18 37.47 35.24 34.75  CH11  Preamp	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m 39.45 46.52 44.54 47.44	Limit Ove dBuV/m lim 74.00 -30. 74.00 -23. 74.00 -26.  Polarity  Limit Ove dBuV/m lim 74.00 -34. 74.00 -27. 74.00 -29. 74.00 -26.  Polarity  Limit Ove dBuV/m lim 74.00 -34. 74.00 -27. 74.00 -29. 74.00 -26.	r Remark dit 39 Peak 80 Peak 81 Peak 19 Peak Horizontal er Remark mit .55 Peak .48 Peak .46 Peak .56 Peak  Vertical er Remark
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2995.54 4996.69 8104.56  802.11g  Frequency MHz 1666.72 2995.54 4996.69 8725.48  802.11g  Frequency MHz	dBuV/m 51.15 51.77 44.75 32.75 Reading dBuV/m 46.96 49.09 39.10 32.52	Antenna dB 25.10 28.70 31.87 37.18  Test channe dB 25.10 28.70 31.87 37.70  Test channe dB Antenna dB Antenna dB Antenna dB Antenna dB Antenna dB	Cable dB 4.56 6.20 8.81 11.21 el Cable dB 4.57 6.20 8.81 11.97 el Cable	Preamp dB 37.20 37.47 35.24 33.33  CH11  Preamp dB 37.18 37.47 35.24 34.75  CH11  Preamp dB	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m 39.45 46.52 44.54 47.44 Level dBuV/n	Limit Ove dBuV/m lim 74.00 -30. 74.00 -23. 74.00 -26.  Polarity  Limit Ove dBuV/m lim 74.00 -34. 74.00 -27. 74.00 -29. 74.00 -26  Polarity  Limit Ove dBuV/m lim 74.00 -27. 74.00 -29. 74.00 -26.	r Remark dit 39 Peak 80 Peak 81 Peak 19 Peak Horizontal er Remark mit .55 Peak .48 Peak .46 Peak .56 Peak  Vertical er Remark mit
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2995.54 4996.69 8104.56  802.11g Frequency MHz 1666.72 2995.54 4996.69 8725.48  802.11g Frequency MHz 1659.41	dBuV/m 51.15 51.77 44.75 32.75 Reading dBuV/m 46.96 49.09 39.10 32.52 Reading dBuV/m 51.15	Antenna dB 25.10 28.70 31.87 37.18  Test channa dB 25.10 28.70 31.87 37.70  Test channa dB 25.10 Antenna dB 25.10 28.70 31.87 37.70	Cable dB 4.56 6.20 8.81 11.21 el  Cable dB 4.57 6.20 8.81 11.97 el  Cable dB 4.56	Preamp dB 37.20 37.47 35.24 33.33  CH11  Preamp dB 37.18 37.47 35.24 34.75  CH11  Preamp dB 37.20	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m 39.45 46.52 44.54 47.44 Level dBuV/n 43.61	Limit Ove dBuV/m lim 74.00 -30. 74.00 -23. 74.00 -26. Polarity  Limit Ove dBuV/m lim 74.00 -34. 74.00 -34. 74.00 -27. 74.00 -29. 74.00 -26  Polarity  Limit Ove dBuV/m lim 74.00 -27. 74.00 -29. 74.00 -29. 74.00 -26. Polarity	r Remark dit 39 Peak 80 Peak 81 Peak 19 Peak  Horizontal er Remark mit .55 Peak .48 Peak .46 Peak .56 Peak  Vertical er Remark mit .39 Peak
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2995.54 4996.69 8104.56  802.11g Frequency MHz 1666.72 2995.54 4996.69 8725.48  802.11g Frequency MHz 1659.41 2995.54	dBuV/m 51.15 51.77 44.75 32.75 Reading dBuV/m 46.96 49.09 39.10 32.52 Reading dBuV/m 51.15 52.32	Antenna dB 25.10 28.70 31.87 37.18  Test channa dB 25.10 28.70 31.87 37.70  Test channa dB 25.10 28.70 31.87 37.70	Cable dB 4.56 6.20 8.81 11.21 el  Cable dB 4.57 6.20 8.81 11.97 el  Cable dB 4.56 6.20	Preamp dB 37.20 37.47 35.24 33.33  CH11  Preamp dB 37.18 37.47 35.24 34.75  CH11  Preamp dB 37.47	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m 39.45 46.52 44.54 47.44 Level dBuV/n 43.61 49.75	Limit Ove dBuV/m lim 74.00 -30. 74.00 -25. 74.00 -26. Polarity  Limit Ove dBuV/m lim 74.00 -34. 74.00 -34. 74.00 -26. Polarity  Limit Ove dBuV/m lim 74.00 -26. Polarity  Limit Ove dBuV/m lim 74.00 -26. 74.00 -29. 74.00 -26. Polarity	r Remark  iit  39 Peak  80 Peak  81 Peak  19 Peak  Horizontal  er Remark  iit  .55 Peak  .48 Peak  .46 Peak  .56 Peak  Vertical  er Remark  mit  .39 Peak  .25 Peak
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2995.54 4996.69 8104.56  802.11g Frequency MHz 1666.72 2995.54 4996.69 8725.48  802.11g Frequency MHz 1659.41	dBuV/m 51.15 51.77 44.75 32.75 Reading dBuV/m 46.96 49.09 39.10 32.52 Reading dBuV/m 51.15	Antenna dB 25.10 28.70 31.87 37.18  Test channa dB 25.10 28.70 31.87 37.70  Test channa dB 25.10 Antenna dB 25.10 28.70 31.87 37.70	Cable dB 4.56 6.20 8.81 11.21 el  Cable dB 4.57 6.20 8.81 11.97 el  Cable dB 4.56	Preamp dB 37.20 37.47 35.24 33.33  CH11  Preamp dB 37.18 37.47 35.24 34.75  CH11  Preamp dB 37.20	dBuV/m 43.61 49.20 50.19 47.81 Level dBuV/m 39.45 46.52 44.54 47.44 Level dBuV/n 43.61	Limit Ove dBuV/m lim 74.00 -30. 74.00 -25. Polarity  Limit Ove dBuV/m 1im 74.00 -26. Polarity  Limit Ove dBuV/m 1im 74.00 -34 74.00 -27 74.00 -26  Polarity  Limit Ove dBuV/m 1im 74.00 -30 74.00 -26	r Remark dit 39 Peak 80 Peak 81 Peak 19 Peak  Horizontal er Remark mit .55 Peak .48 Peak .46 Peak .56 Peak  Vertical er Remark mit .39 Peak

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Туре		802.11n(	HT20)	Test channe	el	CH01		Polarity		Horizontal
	Mark	Frequency MHz	Reading dBuV/n	•	Cable dB	e Preamp dB	Level dBuV/n		Over limi	
	1	1666.72	46.96	25.10	4.57	37.18	39.45		-34.5	5 Peak
	2	2987.92	46.88	28.70	6.19	37.47	44.30	74.00	-29.7	0 Peak
	3	4996.69	39.00	31.87	8.81	35.24	44.44	74.00	-29.5	6 Peak
	4	9251.58	32.65	39.01	11.65	36.13	47.18	74.00	-26.8	2 Peak
Туре		802.11n(	HT20)	Test channe	el	CH01		Polarity		Vertical
	Mark	Frequency MHz	Reading dBuV/m	•	Cable dB	e Preamp dB	Leve] dBuV/r		Over limi	
	1	1659.41	51.15	25.10	4.56	37.20	43.61	74.00	-30.3	39 Peak
	2	2987.92	52.40	28.70	6.19	37.47	49.82		-24.1	
	3	4983.99	41.87	31.77	8.80	35.22	47.22		-26.7	
	4	8083.96	31.92	37.20	11.15	33.32	46.95	74.00	-27.0	)5 Peak
Туре		802.11n(	HT20)	Test channe	el	CH06		Polarity		Horizontal
	Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	0ver	Remark
		MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m	limi	t
	1	1666.72	46.96	25.10	4.57	37.18	39.45	74.00	-34.5	
	2	2987.92	48.90	28.70	6.19	37.47	46.32	74.00	-27.6	8 Peak
	3	4983.99	36.15	31.77	8.80	35.22	41.50		-32.50	
	4	8042.90	32.16	37.19	11.02	33.31	47.06	74.00	-26.9	4 Peak
Туре		802.11n(	HT20)	Test channe	el	CH06		Polarity		Vertical
Туре	Mark	802.11n( Frequency MHz	HT20) Reading dBuV/m	Antenna	Cable		Level dBuV/m	Limit	Over limit	Remark
Туре	Mark 1	Frequency	Reading	Antenna	Cable	Preamp		Limit dBuV/m		Remark
Туре		Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	dBuV/m	Limit dBuV/m 74.00 -	limit	Remark : Peak
Туре	1 2 3	Frequency MHz 1659.41 2987.92 3993.90	Reading dBuV/m 51.15 51.72 42.81	Antenna dB 25.10 28.70 29.90	Cable dB 4.56 6.19 7.38	Preamp dB 37.20 37.47 36.37	dBuV/m 43.61 49.14 43.72	Limit dBuV/m 74.00 - 74.00 -	limit 30.39 24.86 30.28	Remark Peak Peak Peak
Туре	1 2	Frequency MHz 1659.41 2987.92	Reading dBuV/m 51.15 51.72	Antenna dB 25.10 28.70	Cable dB 4.56 6.19	Preamp dB 37.20 37.47	dBuV/m 43.61 49.14	Limit dBuV/m 74.00 - 74.00 -	limit 30.39 24.86	Remark Peak Peak Peak
Туре	1 2 3	Frequency MHz 1659.41 2987.92 3993.90	Reading dBuV/m 51.15 51.72 42.81 44.61	Antenna dB 25.10 28.70 29.90	Cable dB 4.56 6.19 7.38 8.80	Preamp dB 37.20 37.47 36.37	dBuV/m 43.61 49.14 43.72	Limit dBuV/m 74.00 - 74.00 -	limit 30.39 24.86 30.28	Remark Peak Peak Peak
	1 2 3	Frequency MHz 1659.41 2987.92 3993.90 4983.99	Reading dBuV/m 51.15 51.72 42.81 44.61	Antenna dB 25.10 28.70 29.90 31.77	Cable dB 4.56 6.19 7.38 8.80	Preamp dB 37.20 37.47 36.37 35.22	dBuV/m 43.61 49.14 43.72	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 -	limit 30.39 24.86 30.28	Remark Peak Peak Peak Peak Peak Peak
	1 2 3 4	Frequency MHz 1659.41 2987.92 3993.90 4983.99	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20)	Antenna dB 25.10 28.70 29.90 31.77 Test channe	Cable dB 4.56 6.19 7.38 8.80	Preamp dB 37.20 37.47 36.37 35.22	dBuV/m 43.61 49.14 43.72 49.96	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 -	limit 30.39 24.86 30.28 24.04	Remark Peak Peak Peak Peak Peak Remark
	1 2 3 4 Mark	Frequency MHz 1659.41 2987.92 3993.90 4983.99 802.11n( Frequency MHz 1666.72	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20) Reading dBuV/m 46.96	Antenna dB 25.10 28.70 29.90 31.77 Test channe Antenna dB 25.10	Cable dB 4.56 6.19 7.38 8.80 Cable dB 4.57	Preamp dB 37.20 37.47 36.37 35.22 CH11 e Preamp dB 37.18	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/r 39.45	Limit dBuV/m 74.00 - 74.00 - 74.00 - Polarity l Limit m dBuV/m 74.00	0ver limit 30.39 24.86 30.28 24.04	Remark Peak Peak Peak Peak  Horizontal Remark t Feak
	1 2 3 4 Mark	Frequency MHz 1659.41 2987.92 3993.90 4983.99 802.11n( Frequency MHz 1666.72 2987.92	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20) Reading dBuV/m 46.96 51.60	Antenna dB 25.10 28.70 29.90 31.77 Test channe Antenna dB 25.10 28.70	Cable dB 4.56 6.19 7.38 8.80 Cable dB 4.57 6.19	Preamp dB 37.20 37.47 36.37 35.22 CH11 e Preamp dB 37.18 37.47	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/n 39.45 49.02	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 - Polarity  l Limit m dBuV/m 74.00 74.00	0 ver 1 imit 30.39 24.86 30.28 24.04 0 ver 1 imi -34.5 -24.9	Remark Peak Peak Peak Peak  Horizontal Remark t Feak Peak Peak
	1 2 3 4 Mark 1 2 3	Frequency MHz 1659.41 2987.92 3993.90 4983.99 802.11n( Frequency MHz 1666.72 2987.92 4014.29	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20) Reading dBuV/m 46.96 51.60 38.51	Antenna dB 25.10 28.70 29.90 31.77 Test channe Antenna dB 25.10 28.70 29.93	Cable dB 4.56 6.19 7.38 8.80 Cable dB 4.57 6.19 7.39	Preamp dB 37.20 37.47 36.37 35.22 CH11 e Preamp dB 37.18 37.47 36.31	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/r 39.45 49.02 39.52	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 - Polarity  Limit dBuV/m 74.00 74.00 74.00 74.00	0ver 1imit 30.39 24.86 30.28 24.04 0ver 1imi -34.5 -24.9	Remark Peak Peak Peak Peak  Horizontal  Remark t Feak Peak Peak Peak Peak Peak
	1 2 3 4 Mark	Frequency MHz 1659.41 2987.92 3993.90 4983.99 802.11n( Frequency MHz 1666.72 2987.92	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20) Reading dBuV/m 46.96 51.60	Antenna dB 25.10 28.70 29.90 31.77 Test channe Antenna dB 25.10 28.70	Cable dB 4.56 6.19 7.38 8.80 Cable dB 4.57 6.19	Preamp dB 37.20 37.47 36.37 35.22 CH11 e Preamp dB 37.18 37.47	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/n 39.45 49.02	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 - Polarity  Limit dBuV/m 74.00 74.00 74.00 74.00	0 ver 1 imit 30.39 24.86 30.28 24.04 0 ver 1 imi -34.5 -24.9	Remark Peak Peak Peak Peak  Horizontal  Remark t Feak Peak Peak Peak Peak Peak
	1 2 3 4 Mark 1 2 3	Frequency MHz 1659.41 2987.92 3993.90 4983.99 802.11n( Frequency MHz 1666.72 2987.92 4014.29	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20) Reading dBuV/m 46.96 51.60 38.51 38.54	Antenna dB 25.10 28.70 29.90 31.77 Test channe Antenna dB 25.10 28.70 29.93	Cable 4.56 6.19 7.38 8.80 Cable dB 4.57 6.19 7.39 8.80	Preamp dB 37.20 37.47 36.37 35.22 CH11 e Preamp dB 37.18 37.47 36.31	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/r 39.45 49.02 39.52	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 - Polarity  Limit dBuV/m 74.00 74.00 74.00 74.00	0ver 1imit 30.39 24.86 30.28 24.04 0ver 1imi -34.5 -24.9	Remark Peak Peak Peak Peak  Horizontal  Remark t Feak Peak Peak Peak Peak Peak
Туре	1 2 3 4 Mark 1 2 3	Frequency MHz 1659.41 2987.92 3993.90 4983.99 802.11n( Frequency MHz 1666.72 2987.92 4014.29 4983.99 802.11n( Frequency	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20)  Reading dBuV/m 46.96 51.60 38.51 38.54 HT20)  Reading dBuV/m 46.96 51.60 Reading dBuV/m 46.96 51.60 All the following dBuV/m 46.96 S1.60 All the following dBuV/m 46.96 Al	Antenna dB 25.10 28.70 29.90 31.77  Test channe  Antenna dB 25.10 28.70 29.93 31.77  Test channe Antenna Antenna Antenna Antenna Antenna	Cable dB 4.56 6.19 7.38 8.80 el Cable dB 4.57 6.19 7.39 8.80 el Cable Cable dB 6.57 6.19 7.39 8.80 el Cable dB 6.57 6.19 6.19 6.19 6.19 6.19 6.19 6.19 6.19	Preamp dB 37.20 37.47 36.37 35.22  CH11 e Preamp dB 37.18 37.47 36.31 35.22  CH11 e Preamp	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/r 39.45 49.02 39.52 43.89	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 - 74.00 -  Polarity  Limit dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity  Limit Limit	1imit 30.39 24.86 30.28 24.04 Over 1imi -34.5 -24.9 -30.1	Remark  Peak Peak Peak Peak  Horizontal  Remark  tt  Peak Peak Peak Peak Peak Remark Remark Remark Remark Remark
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2987.92 3993.90 4983.99  802.11n( Frequency MHz 1666.72 2987.92 4014.29 4983.99  802.11n( Frequency MHz	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20)  Reading dBuV/m 46.96 51.60 38.51 38.54 HT20)  Reading dBuV/m 60.96 61.60 60 61.60 61 61 61 61 61 61 61 61 61 61 61 61 61	Antenna dB 25.10 28.70 29.90 31.77  Test channe  Antenna dB 25.10 28.70 29.93 31.77  Test channe Antenna dB Antenna dB Antenna dB Antenna dB Antenna dB	Cable dB 4.56 6.19 7.38 8.80 el Cable dB 4.57 6.19 7.39 8.80 el Cable dB	Preamp dB 37.20 37.47 36.37 35.22  CH11 e Preamp dB 37.18 37.47 36.31 35.22  CH11 e Preamp dB	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/n 39.45 49.02 39.52 43.89 Level dBuV/n	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 - 74.00 -  Polarity  Limit dBuV/m 74.00 74.00 74.00 74.00 74.00 Third continuation of the continuation	Over 1imit -34.5 -34.4 -30.1	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark t  Peak Peak Peak Peak Peak Peak Remark Remark Remark
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2987.92 3993.90 4983.99  802.11n( Frequency MHz 1666.72 2987.92 4014.29 4983.99  802.11n( Frequency MHz 1659.41	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20)  Reading dBuV/m 46.96 51.60 38.51 38.54 HT20)  Reading dBuV/m 51.15	Antenna dB 25.10 28.70 29.90 31.77  Test channe  Antenna dB 25.10 28.70 29.93 31.77  Test channe Antenna dB 25.10 Antenna dB 25.10	Cable dB 4.56 6.19 7.38 8.80 el Cable dB 4.57 6.19 7.39 8.80 el Cable dB 4.56	Preamp dB 37.20 37.47 36.37 35.22 CH11 e Preamp dB 37.47 36.31 35.22 CH11 e Preamp dB 37.20	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/n 39.45 49.02 39.52 43.89 Level dBuV/n 43.61	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 - 74.00 -  Polarity  Limit dBuV/m 74.00 74.00 74.00 74.00 Telephone Dolarity  Limit dBuV/m 74.00 Telephone Dolarity	1imit 30.39 24.86 30.28 24.04 Over 1imi -34.5 -24.9 -30.1 Over 1imi -30.3	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark t Feak Peak Peak Peak Peak Remark
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2987.92 3993.90 4983.99  802.11n( Frequency MHz 1666.72 2987.92 4014.29 4983.99  802.11n( Frequency MHz	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20)  Reading dBuV/m 46.96 51.60 38.51 38.54 HT20)  Reading dBuV/m 60.96 61.60 60 61.60 61 61 61 61 61 61 61 61 61 61 61 61 61	Antenna dB 25.10 28.70 29.90 31.77  Test channe  Antenna dB 25.10 28.70 29.93 31.77  Test channe Antenna dB Antenna dB Antenna dB Antenna dB Antenna dB	Cable 4.56 6.19 7.38 8.80 el Cable dB 4.57 6.19 7.39 8.80 el Cable dB 4.56 6.20	Preamp dB 37.20 37.47 36.37 35.22  CH11 e Preamp dB 37.18 37.47 36.31 35.22  CH11 e Preamp dB	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/n 39.45 49.02 39.52 43.89 Level dBuV/n	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 - 74.00 -  Polarity  Limit dBuV/m 74.00 74.00 74.00 T4.00 T4.00 T4.00 T4.00 T4.00 T4.00 T4.00 T4.00	1imit 30.39 24.86 30.28 24.04 Over 1imi -34.5 -24.9 -30.1 Over 1imi -30.3 -24.3	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark t Feak Peak Peak Peak Peak Remark
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1659.41 2987.92 3993.90 4983.99  802.11n( Frequency MHz 1666.72 2987.92 4014.29 4983.99  802.11n( Frequency MHz 1659.41 2995.54	Reading dBuV/m 51.15 51.72 42.81 44.61 HT20)  Reading dBuV/m 46.96 51.60 38.51 38.54 HT20)  Reading dBuV/m 51.15 52.22	Antenna dB 25.10 28.70 29.90 31.77  Test channe  Antenna dB 25.10 28.70 29.93 31.77  Test channe  Antenna dB 25.10 28.70	Cable dB 4.56 6.19 7.38 8.80 el Cable dB 4.57 6.19 7.39 8.80 el Cable dB 4.56	Preamp dB 37.20 37.47 36.37 35.22 CH11 e Preamp dB 37.18 37.47 36.31 35.22 CH11 e Preamp dB 37.20 37.47	dBuV/m 43.61 49.14 43.72 49.96 Level dBuV/n 39.45 49.02 39.52 43.89 Level dBuV/n 43.61 49.65	Limit dBuV/m 74.00 - 74.00 - 74.00 - 74.00 - 74.00 -  Polarity  Limit dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	1imit 30.39 24.86 30.28 24.04 Over 1imi -34.5 -24.9 -30.1 Over 1imi -30.3 -24.3 -26.3	Remark  Peak Peak Peak Peak Peak  Horizontal  Remark tt Peak Peak Peak Remark Remark tt Remark Remark tt Remark

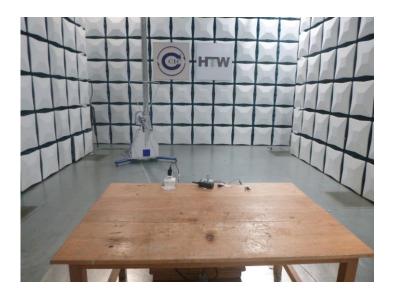
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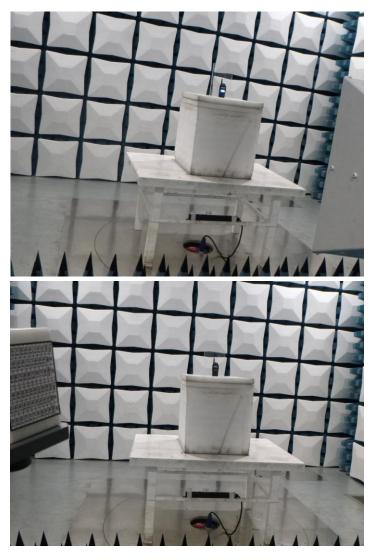
Mark Frequency Reading Antenna Cable Preamp Level	Polarity Horizontal
MHz dBuV/m dB dB dB dBuV/m	Limit Over Remark dBuV/m limit
1 1666.72 46.96 25.10 4.57 37.18 39.45	74.00 -34.55 Peak
2 2987.92 51.57 28.70 6.19 37.47 48.99	74.00 -25.01 Peak
3 4983.99 41.51 31.77 8.80 35.22 46.86	74.00 -27.14 Peak
4 8083.96 31.95 37.20 11.15 33.32 46.98	74.00 -27.02 Peak
Type 802.11n(HT40) Test channel CH03 P	Polarity Vertical
Mark Frequency Reading Antenna Cable Preamp Level MHz dBuV/m dB dB dB dBuV/m	Limit Over Remark dBuV/m limit
1 1666.72 46.96 25.10 4.57 37.18 39.45	74.00 -34.55 Peak
2 2995.54 52.22 28.70 6.20 37.47 49.65	74.00 -24.35 Peak
3 3983.75 39.03 29.90 7.38 36.40 39.91	74.00 -34.09 Peak
4 4983.99 44.35 31.77 8.80 35.22 49.70	74.00 -24.30 Peak
Type 802.11n(HT40) Test channel CH06 P	Polarity Horizontal
Mark Frequency Reading Antenna Cable Preamp Level	Limit Over Remark
MHz dBuV/m dB dB dB dBuV/m	dBuV/m limit
1 1666.72 46.96 25.10 4.57 37.18 39.45	74.00 -34.55 Peak
2 2995.54 48.52 28.70 6.20 37.47 45.95	74.00 -28.05 Peak
3 3993.90 40.49 29.90 7.38 36.37 41.40	74.00 -32.60 Peak
4 4996.69 37.91 31.87 8.81 35.24 43.35	74.00 -30.65 Peak
Type 802.11n(HT40) Test channel CH06 P	Polarity Vertical
Mark Frequency Reading Antenna Cable Preamp Level	Limit Over Remark
MHz dBuV/m dB dB dB dBuV/m	dBuV/m limit
	74.00 -30.39 Peak
1 1659.41 51.15 25.10 4.56 37.20 43.61	
2 2987.92 52.35 28.70 6.19 37.47 49.77	74.00 -24.23 Peak
2 2987.92 52.35 28.70 6.19 37.47 49.77 3 4983.99 38.22 31.77 8.80 35.22 43.57	74.00 -24.23 Peak 74.00 -30.43 Peak
2 2987.92 52.35 28.70 6.19 37.47 49.77	74.00 -24.23 Peak
2 2987.92 52.35 28.70 6.19 37.47 49.77 3 4983.99 38.22 31.77 8.80 35.22 43.57 4 8104.56 31.58 37.18 11.21 33.33 46.64	74.00 -24.23 Peak 74.00 -30.43 Peak
2 2987.92 52.35 28.70 6.19 37.47 49.77 3 4983.99 38.22 31.77 8.80 35.22 43.57 4 8104.56 31.58 37.18 11.21 33.33 46.64	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak
2 2987.92 52.35 28.70 6.19 37.47 49.77 3 4983.99 38.22 31.77 8.80 35.22 43.57 4 8104.56 31.58 37.18 11.21 33.33 46.64  Type 802.11n(HT40) Test channel CH09 P	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal
2 2987.92 52.35 28.70 6.19 37.47 49.77 4983.99 38.22 31.77 8.80 35.22 43.57 4 8104.56 31.58 37.18 11.21 33.33 46.64  Type 802.11n(HT40) Test channel CH09 P  Mark Frequency Reading Antenna Cable Preamp Level	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark
2 2987.92 52.35 28.70 6.19 37.47 49.77 3 4983.99 38.22 31.77 8.80 35.22 43.57 4 8104.56 31.58 37.18 11.21 33.33 46.64  Type 802.11n(HT40) Test channel CH09 P  Mark Frequency Reading Antenna Cable Preamp Level MHz dBuV/m dB dB dB dB dBuV/m 1 1666.72 46.96 25.10 4.57 37.18 39.45 2 2987.92 49.01 28.70 6.19 37.47 46.43	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark dBuV/m limit 74.00 -34.55 Peak 74.00 -27.57 Peak
2 2987.92 52.35 28.70 6.19 37.47 49.77 3 4983.99 38.22 31.77 8.80 35.22 43.57 4 8104.56 31.58 37.18 11.21 33.33 46.64  Type	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark dBuV/m limit 74.00 -34.55 Peak 74.00 -27.57 Peak 74.00 -28.58 Peak
2 2987.92 52.35 28.70 6.19 37.47 49.77 3 4983.99 38.22 31.77 8.80 35.22 43.57 4 8104.56 31.58 37.18 11.21 33.33 46.64  Type 802.11n(HT40) Test channel CH09 P  Mark Frequency Reading Antenna Cable Preamp Level MHz dBuV/m dB dB dB dB dBuV/m 1 1666.72 46.96 25.10 4.57 37.18 39.45 2 2987.92 49.01 28.70 6.19 37.47 46.43 3 4983.99 40.07 31.77 8.80 35.22 45.42 4 8125.22 31.98 37.10 11.28 33.36 47.00	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark dBuV/m limit 74.00 -34.55 Peak 74.00 -27.57 Peak
2 2987.92 52.35 28.70 6.19 37.47 49.77 3 4983.99 38.22 31.77 8.80 35.22 43.57 4 8104.56 31.58 37.18 11.21 33.33 46.64  Type 802.11n(HT40) Test channel CH09 P  Mark Frequency Reading Antenna Cable Preamp Level MHz dBuV/m dB dB dB dB dBuV/m 1 1666.72 46.96 25.10 4.57 37.18 39.45 2 2987.92 49.01 28.70 6.19 37.47 46.43 3 4983.99 40.07 31.77 8.80 35.22 45.42 4 8125.22 31.98 37.10 11.28 33.36 47.00	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark dBuV/m limit 74.00 -34.55 Peak 74.00 -27.57 Peak 74.00 -28.58 Peak
2     2987.92     52.35     28.70     6.19     37.47     49.77       3     4983.99     38.22     31.77     8.80     35.22     43.57       4     8104.56     31.58     37.18     11.21     33.33     46.64       Type     802.11n(HT40)     Test channel     CH09     P       Mark     Frequency Reading Antenna Cable Preamp Level       Mark     Frequency Reading Antenna Cable Preamp Level	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark dBuV/m limit 74.00 -34.55 Peak 74.00 -27.57 Peak 74.00 -28.58 Peak 74.00 -27.00 Peak
2     2987.92     52.35     28.70     6.19     37.47     49.77       3     4983.99     38.22     31.77     8.80     35.22     43.57       4     8104.56     31.58     37.18     11.21     33.33     46.64       Type     802.11n(HT40)     Test channel     CH09     P       Mark     Frequency Reading Antenna Cable Preamp Level dBuV/m dB dB dB dB dB dBuV/m       1     1666.72     46.96     25.10     4.57     37.18     39.45       2     2987.92     49.01     28.70     6.19     37.47     46.43       3     4983.99     40.07     31.77     8.80     35.22     45.42       4     8125.22     31.98     37.10     11.28     33.36     47.00       Type     802.11n(HT40)     Test channel     CH09     P	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark dBuV/m limit 74.00 -34.55 Peak 74.00 -27.57 Peak 74.00 -28.58 Peak 74.00 -27.00 Peak  Polarity Vertical  Limit Over Remark dBuV/m limit
2     2987.92     52.35     28.70     6.19     37.47     49.77       3     4983.99     38.22     31.77     8.80     35.22     43.57       4     8104.56     31.58     37.18     11.21     33.33     46.64       Type       Mark     Frequency MHz     Reading Antenna Cable Preamp Ca	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark dBuV/m limit 74.00 -34.55 Peak 74.00 -27.57 Peak 74.00 -28.58 Peak 74.00 -27.00 Peak  Polarity Vertical  Limit Over Remark dBuV/m limit 74.00 -30.39 Peak
2       2987.92       52.35       28.70       6.19       37.47       49.77         3       4983.99       38.22       31.77       8.80       35.22       43.57         4       8104.56       31.58       37.18       11.21       33.33       46.64         Type       802.11n(HT40)       Test channel       CH09       P         Mark       Frequency Reading Antenna Cable Preamp Antenna A	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark dBuV/m limit 74.00 -34.55 Peak 74.00 -27.57 Peak 74.00 -28.58 Peak 74.00 -27.00 Peak  Polarity Vertical  Limit Over Remark dBuV/m limit 74.00 -30.39 Peak 74.00 -23.64 Peak
2     2987.92     52.35     28.70     6.19     37.47     49.77       3     4983.99     38.22     31.77     8.80     35.22     43.57       4     8104.56     31.58     37.18     11.21     33.33     46.64       Type       Mark     Frequency MHz     Reading Antenna Cable Preamp Ca	74.00 -24.23 Peak 74.00 -30.43 Peak 74.00 -27.36 Peak  Polarity Horizontal  Limit Over Remark dBuV/m limit 74.00 -34.55 Peak 74.00 -27.57 Peak 74.00 -28.58 Peak 74.00 -27.00 Peak  Polarity Vertical  Limit Over Remark dBuV/m limit 74.00 -30.39 Peak

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# 6. TEST SETUP PHOTOS

Radiated Emission





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### **AC Conducted Emission**



# 7. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No. : CHTEW21110228.

# 8. APPENDIX REPORT