

TE	ST REPOR	т	
Report No	CHTEW21070224	Report Verificat	ion: 回知原始作用回
Project No	SHT2104128003EW		
FCC ID:	2AY5M-E3PDA		Reported CHTW21070222
Applicant's name:	Fuzhou Soarfree Informat	on Technology	Co., Ltd.
Address	Office 426, Floor 4,Building Fortune Center,28 Xinbao R County,Fuzhou,Fujian		
Test item description	New Mobile Computer		
Trade Mark	-		
Model/Type reference	E3PDA		
Listed Model(s)	-		
Standard:	FCC CFR Title 47 Part 15 S	Subpart C Section	on 15.247
Date of receipt of test sample	Jun. 22, 2021		
Date of testing	Jun. 23, 2021- Jul. 29, 2021		
Date of issue	Jul. 30, 2021		
Result	PASS		
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Approved by (Position+Printed name+Signature):	RF Manager Hans Hu	ł	tomsty
Testing Laboratory Name: :	Shenzhen Huatongwei Inte	ernational Inspe	ction Co., Ltd.
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1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

- <u>FCC Rules Part 15.247</u>: 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	2021-07-30	Original

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 ^{*1}
5.7	Duty cycle	-	PASS ^{*1}
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.
- *1: No requirement on standard, only report these test data.

3. SUMMARY

3.1. Client Information

Applicant:	Fuzhou Soarfree Information Technology Co., Ltd.		
Address:	Office 426, Floor 4, Building 3, Plot A1, Fuzhou Zhengrong Fortune Center, 28 Xinbao Road, Shangjie Town, Minhou County, Fuzhou, Fujian		
Manufacturer:	Fuzhou Soarfree Information Technology Co., Ltd.		
Address:	Office 426, Floor 4, Building 3, Plot A1, Fuzhou Zhengrong Fortune Center, 28 Xinbao Road, Shangjie Town, Minhou County, Fuzhou, Fujian		

3.2. Product Description

Name of EUT:	New Mobile Computer
Trade Mark:	-
Model No.:	E3PDA
Listed Model(s):	-
Power supply:	DC 3.7V
Battery Information:	DC 3.7V, 4000mAh
Adapter Information:	Model:TPA-46050200UU Input: AC100-240V, 50/60Hz, 0.3A Output: 5.0Vdc, 2000mA
Hardware version:	7129S0_MMI_V02
Software version:	R107V200R001C01B011_SF01

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:	ncy: 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:	PIFA Antenna	
Antenna gain:	0.5dBi	

Note:

*2: only show the RF function associated with this report.

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: <u>cs@szhtw.com.cn</u> <u>http://www.szhtw.com.cn</u>		
Qualifications	Туре	Accreditation Number	
Qualifications	FCC	762235	

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.

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)	3.02 dB
Radiated Emission (30MHz~1000MHz	4.90 dB
Radiated Emissions (1GHz~25GHz)	4.96 dB
Peak Output Power	0.51 dB
Power Spectral Density	0.51 dB
Conducted Spurious Emission	0.51 dB
6dB Bandwidth	70 Hz

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

4.7. Equipment Used during the Test

•	Conducted Emission											
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	2018/09/28	2023/09/27					
•	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2020/10/19	2021/10/18					
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2020/10/15	2021/10/14					
•	Pulse Limiter	R&S	HTWE0033	ESH3-Z2	100499	2020/10/15	2021/10/14					
•	RF Connection Cable	HUBER+SUHNER	HTWE0113-02	ENVIROFLE X_142	EF-NM- BNCM-2M	2020/10/15	2021/10/14					
•	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	2021/09/29
•	EMI Test Receiver	R&S	HTWE0099	ESCI	100900	2020/10/19	2021/10/18
•	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	2020/11/13	2021/11/12
•	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	2021/09/26
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2020/10/20	2021/10/19
•	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2020/04/01	2023/03/31
•	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2018/10/11	2021/10/11
•	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2020/11/13	2021/11/12
•	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

•	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	2020/10/19	2021/10/18					
•	Spectrum Analyzer	Agilent	N9020A	MY50510187	2020/10/19	2021/10/18					
•	Power Meter	Anritsu	ML249A	N/A	2020/10/19	2021/10/18					
0	Radio communication tester	R&S	CMW500	137688-Lv	2020/10/19	2021/10/18					

5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

<u>Requirement</u>

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

☑ Passed □ Not Applicable

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



5.2. AC Conducted Emission

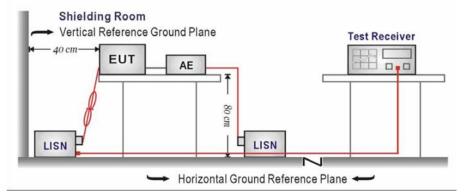
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

	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			

* 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.

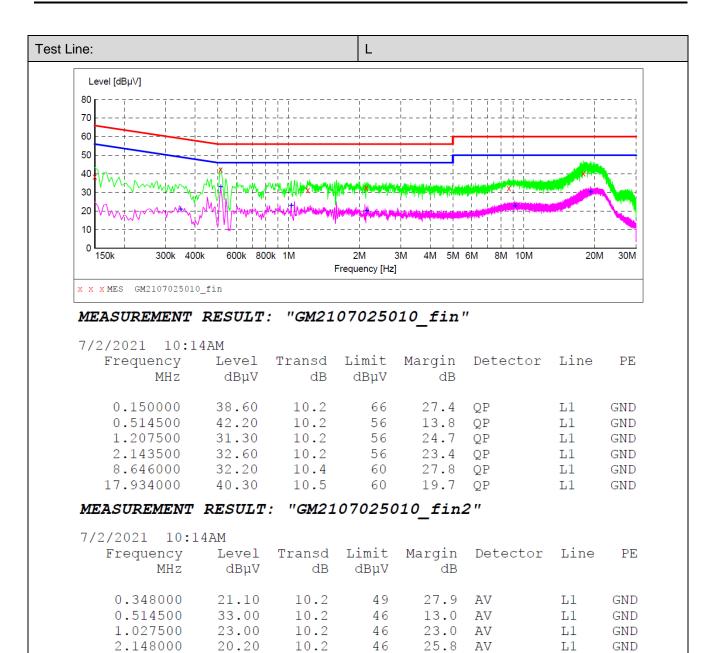
TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

Shenzhen Huatongwei International Inspection Co., Ltd.



50

50

10.4

10.5

27.3

19.7

AV

AV

22.70

30.30

9.186000

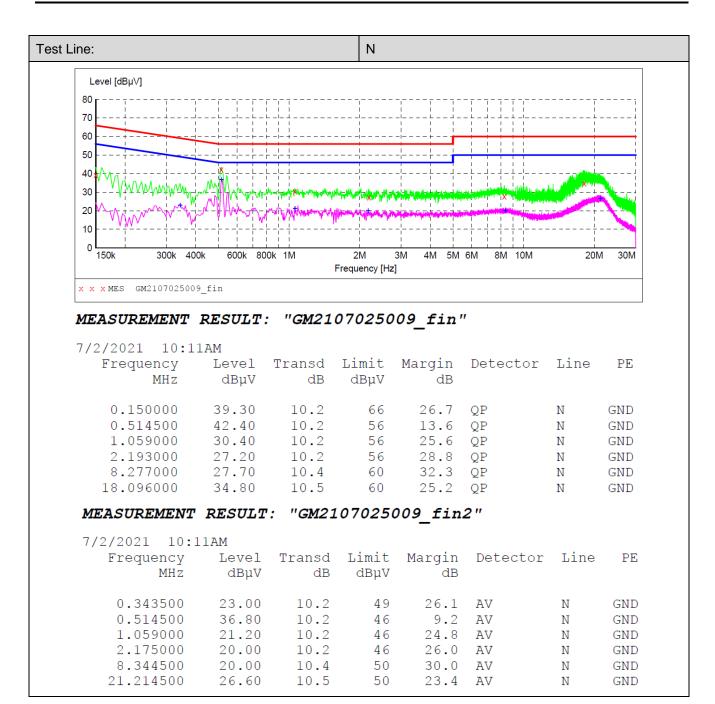
19.221000

L1

L1

GND

GND

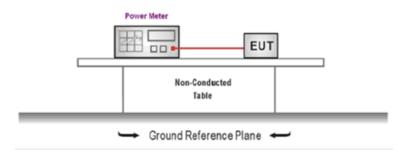


5.3. Peak Output Power

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

☑ Passed □ Not Applicable

TEST Data

Please refer to appendix A on the appendix report

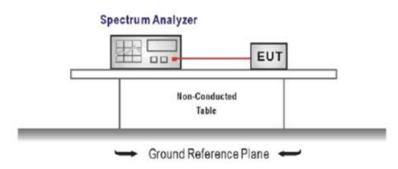
5.4. Power Spectral Density

<u>LIMIT</u>

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

☑ Passed □ Not Applicable

TEST Data

Please refer to appendix B on the appendix report

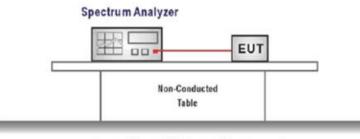
5.5. 6dB bandwidth

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



➡ Ground Reference Plane

TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. 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 \ge 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

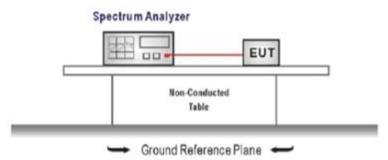
Please refer to appendix C on the appendix report

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.
- 2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the 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

3. 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

☑ Passed □ Not Applicable

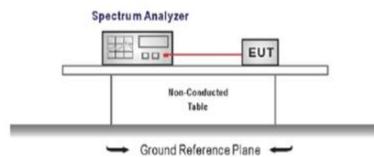
TEST Data

Please refer to appendix D on the appendix report

5.7. Duty Cycle

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
- Use the following spectrum analyzer settings: Span=zero span, Frequency=centered channel, RBW= 1 MHz, VBW ≥ RBW Sweep=as necessary to capture the entire dwell time,

Detector function = peak, Trigger mode4. Measure and record the duty cycle data

TEST MODE:

Please refer to the clause 4.2

TEST Data

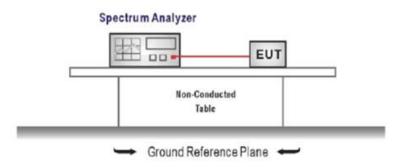
Please refer to appendix E on the appendix report

5.8. Conducted Band edge and Spurious Emission

<u>LIMIT</u>

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.
- 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 ≥ 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 \ge 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.
- 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

TEST RESULT

☑ Passed □ Not Applicable

TEST Data

Please refer to appendix F on the appendix report

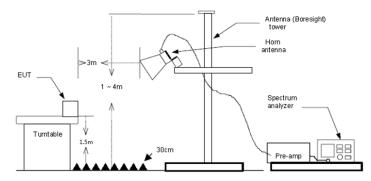
5.9. Radiated Band edge Emission

<u>LIMIT</u>

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. This is 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.
- 5. 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

☑ Passed □ Not Applicable

Note:

- 1) Level= Reading + Factor; Factor = 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).

Туре		802.11b		Test cha	annel	CH	01	P	olarity	Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/		ver Remark imit
	_	2310.00 2390.01	32.04 32.01	27.96 27.72	7.30 7.72	37.56 37.45	20.00 20.00	49.74 50.00	74.00 -24 74.00 -24	
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Ove dBuV/m lim	
	_	2310.00 2390.01	25.19 24.75	27.96 27.72	7.30	37.56 37.45	20.00 20.00	42.8	39 54.00 -11.1 74 54.00 -11.2	1 Average
Туре		802.11b		Test cha	annel	CH	01	P	olarity	Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/		ver Remark imit
	1 2	2310.00 2390.01	32.21 32.25	27.96 27.72	7.30	37.56 37.45	20.00 20.00	49.91 50.24	74.00 -24	.09 Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limi	
	1 2	2310.00 2390.01	24.90 24.58	27.96 27.72	7.30	37.56 37.45	20.00	42.6	0 54.00 -11.40 7 54.00 -11.43	0

Туре		802.11b		Test cha	annel	CH	11	F	Polarity		Horizontal
-	Mark	Frequency		Antenna	Cable	Preamp		Level		Over	Remark
		MHz 2483.49 2500.00		dB 27.43 27.40		dB 37.26 37.26	dB 20.00 20.00			limit 0.42 1 17	Average
-		Frequency	Reading	Antenna				Level		0ver	
		MHz 2483.49	dBuV/m 31.89	dB 27,43	dB 7.80	dB 37,26	dB 20.00	dBuV/ 49.86	/m dBuV/m	lim: 24.14	it
	2	2500.00	31.75	27.40	7.81	37.26	20.00	49.70		24.30	
Туре		802.11b		Test cha	annel	CH	11	F	Polarity		Vertical
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m)ver limit	Remark
	1 2	2483.49 2500.00	25.24 24.86	27.43 27.40		37.26 37.26	20.00 20.00).79 .19	Average Average
-	Mark	Frequency	Reading	Antenna				Level		0ver	
	-	MHz 2483.49 2500.00	dBuV/m 32.24 31.88	dB 27.43 27.40	dB 7.80 7.81	dB 37.26 37.26	dB 20.00 20.00	dBuV/ 50.21 49.83	74.00 -	limi 23.79 24.17	9 Peak

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Туре		802.11	9	Test ch	annel	CH	01		Pol	arity		Horizontal	
	Mark F	requency				Preamp	Aux	Level		Limit	Over	Remark	
		MHz 10.00 390.01		dB 27.96 27.72			dB 20.00 20.00		.86	dBuV/m 54.00 54.00	limit -11.14 -7.01	Average Average	
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Lev dBu		Limit dBuV/r			
		2310.00 2390.01	33.30 37.41	27.96 27.72	7.30 7.72	37.56 37.45	20.00 20.00		-	74.00 74.00			
Туре		802.11	9	Test ch	annel	СН	01		Pol	arity		Vertical	
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Leve dBuV		Limit dBuV/m	Over limit	Remark	
		2310.00 2390.01		27.96 27.72	7.30	37.56 37.45	20.00 20.00	4	2.79	54.00	-11.21	Average	
	Mark H	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Lev dBu		Limit dBuV/			
		310.00 390.01	31.41 31.25	27.96 27.72	7.30	37.56 37.45	20.00 20.00	49.1 49.2	1	74.00 74.00	-24.8	9 Peak	

Туре		802.11g		Test cha	annel	CH	11	Po	larity	Horizontal
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	e Pream dB	ip Aux dB	Level dBuV/m		er Remark mit
		2483.49 2500.00	34.69 32.01	27.43 27.40	7.80 7.81	37.26	20.00 20.00	52.66	74.00 -21. 74.00 -24.	34 Peak
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limi	
		483.49 500.00	27.13 24.46	27.43 27.40	7.80	37.26 37.26	20.00 20.00	45.10	54.00 -8.90 54.00 -11.59	Average
Туре		802.11g		Test cha	annel	СН	11	Po	larity	Vertical
	Mark f	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Ove dBuV/m lir	
		483.49 500.00	32.40 31.52	27.43 27.40	7.80 7.81	37.26 37.26	20.00 20.00	50.37 49.47	74.00 -23.0 74.00 -24.9	53 Peak
-	Mark F		Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limi	
		483.49	24.68	27.43 27.40	7.80	37.26 37.26	20.00 20.00	42.65	54.00 -11.35 54.00 -11.31	Average

Туре		802.11n	(HT20)	Test	channe	el	CH01	F	Polarity	Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Prea dB	mp Aux dB	Level dBuV/m	Limit Ove dBuV/m lin	
	1 2	2310.00 2390.01	30.77 36.96	27.96 27.72	7.30 7.72	37.56 37.45		48.47 54.95	74.00 -25.5 74.00 -19.0	
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	np Aux dB	Level dBuV/m	Limit Over dBuV/m limi	Remark t
	1 2	2310.00 2390.01		27.96 27.72		37.56 37.45	20.00 20.00		3 54.00 -11.17 0 54.00 -4.90	
Туре		802.11n	(HT20)	Test	channe	el	CH01	F	Polarity	Vertical
Туре	Mark	802.11n Frequency MHz	, 	Antenna dB		el Prea dB		F Level dBuV/m	Limit Ove	er Remark
Туре	Mark 1 2	Frequency	Reading	Antenna	Cable	Prea	amp Aux dB 5 20.00	Level	Limit Ove	er Remark hit .8 Peak
Туре	1 2	Frequency MHz 2310.00	Reading dBuV/m 31.12 33.97	Antenna dB 27.96	Cable dB 7.30	Prea dB 37.50	amp Aux dB 5 20.00 5 20.00	Level dBuV/m 48.82	Limit Ove dBuV/m lin 74.00 -25.1	er Remark nit 18 Peak 14 Peak Remark

Туре			802.11	n(HT20)	Test cl	nannel	CI	H11		Polarity	Horizontal
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limit	Remark
	1 2	2483 2500		26.96 24.14	27.43 27.40	7.80 7.81	37.26 37.26	20.00 20.00		93 54.00 -9.07 99 54.00 -11.91	Average Average
	Mark		equency Hz	Reading dBuV/m	Antenna dB	Cable dB	e Pream dB	np Aux dB	Level dBuV/		
	1 2	2483	3.49 0.00	37.61 31.89	27.43 27.40	7.80 7.81	37.26 37.26	20.00 20.00	55.58 49.84	74.00 -18.4 74.00 -24.1	2 Peak
Туре			802.11	n(HT20)	Test cl	nannel	CI	H11		Polarity	Vertical
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limit	Remark
	1 2	2483 2500		24.36 23.59	27.43 27.40	7.80 7.81	37.26 37.26	20.00 20.00	42.3	33 54.00 -11.67 54 54.00 -12.46	Average Average
-	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/r		
	1 2	2483 2500		32.20 30.74	27.43 27.40	7.80 7.81	37.26 37.26	20.00 20.00	50.17 48.69	74.00 -23.8 74.00 -25.3	

Туре		802.11n	(HT40)	Test	channe	el	С	H03		Polarity		Horizontal	
	Mark	Frequency MHz			tenna Cable dB dB		amp	Aux Leve dB dBuV/					
	1 2310.00 2 2389.99						6 5	20.00 20.00	48.68 66.97				
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Prea dB	mp	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
	1 2	2310.00 2389.99		27.96 27.72	5.43 5.53	37.56 37.45		20.00 20.00		23 54.00 55 54.00	-16.77 -2.45		
Туре		802.11n	(HT40)	Test	channe	əl	C	H03		Polarity		Vertical	
	Mark	Frequency MHz	-	Antenna dB	Cable dB	Prea dB		Aux dB	Level dBuV/m				
		2310.00 2389.99		27.96 27.72	7.30 7.72	37.56 37.45		20.00 20.00	48.58 56.47		-25.42 -17.53		
	Mark	Frequency MHz		Antenna dB	Cable dB	Prea dB	mp	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
	1 2	2310.00 2389.99	24.40 27.21	27.96 27.72	7.30 7.72	37.56 37.45		20.00 20.00		L0 54.00 20 54.00	-11.90 -8.80	Average Average	

Туре		802.11n((HT40)	Test	channe	el	CH09		Polarity		Horizontal
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1 2	2483.50 2500.00	33.58	27.43 27.40	7.80 7.81	37.26 37.26	20.00 20.00	51.5	5 54.00	-2.45 11.89	
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	e Prea dB	amp Aux dB	Level dBuV/			
	1 2	2483.50 2500.00	43.53 30.96	27.43 27.40	7.80 7.81	37.26 37.26	20.00	61.50 48.91	74.00 74.00	-12.5	0 Peak
Туре		802.11n((HT40)	Test	channe	el	CH09		Polarity		Vertical
-	Mark	Frequency	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1 2	2483.50 2500.00	26.41	27.43 27.40	7.80 7.81	37.26 37.26	20.00 20.00	44.3		-9.62 12.09	Average Average
-	Mark	Frequency MHz	Reading / dBuV/m	Antenna dB	Cable dB	Pream dB	np Aux dB	Level dBuV/m	Limit dBuV/m	Over limi	
	-	2483.50 2500.00	36.33	27.43 27.40	7.80 7.81	37.26 37.26	20.00 20.00	54.30 48.44	74.00	-19.70 -25.56) Peak

5.10. Radiated Spurious Emission

<u>LIMIT</u>

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

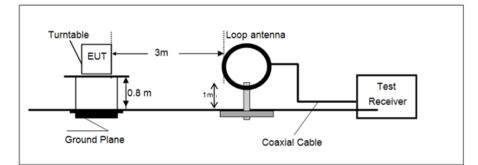
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3)= Limit dBuV/m @300m +80,

Limit dBuV/m @3m = Limit dBuV/m @30m +40*log(30/3)= Limit dBuV/m @30m + 40.

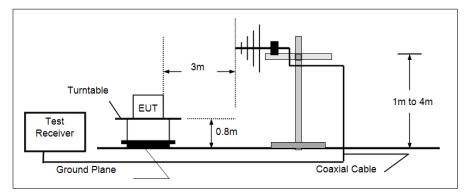
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
	54.00	Average
Above 1GHz	74.00	Peak

TEST CONFIGURATION

> 9 kHz ~ 30 MHz

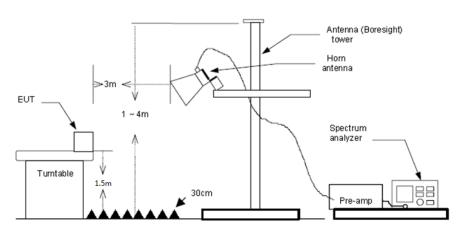


> 30 MHz ~ 1 GHz



Above 1 GHz

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TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10 .
- 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

☑ Passed □ Not Applicable

Note:

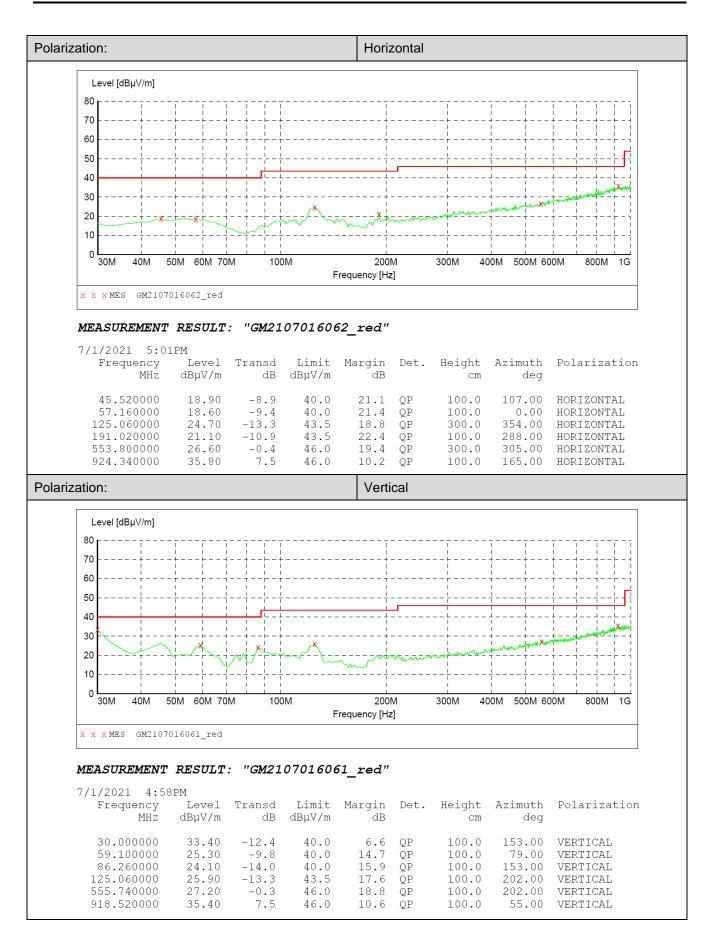
- 1) Level= Reading + Factor/Transd; Factor/Transd = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.

<u> TEST DATA FOR 9 kHz ~ 30 MHz</u>

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.



<u> TEST DATA FOR 1 GHz ~ 25 GHz</u>

Туре			802.11	b	Test cl	CH0	1		Polarity		Horizontal			
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB		eamp IB	Aux dB	Leve dBuV		Over limi		
	1 2	1244 4034		36.29 34.12	25.87 29.97	5.24 10.19	36. 36.		0.00 0.00	30.88 37.98	74.00	-43.12		
	3	5762		31.85	31.92	12.35	34.		0.00	41.26	74.00 74.00	-32.74		
	4	8002		30.24	37.10	14.29	33.		0.00	48.32	74.00	-25.68		
Туре			802.11	b	Test cl	hannel		CH0	1		Polarity		Vertical	
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Pr d	eamp B	Aux dB	Leve] dBuV/		Over limi		
	1	1273		35.13	25.95	5.34	36.		0.00	30.02	74.00	-43.98		
	2 3	3598		33.66	29.40	10.09	36.		0.00	36.22	74.00	-37.78		
	4	5086 8042		31.15 30.93	32.20 37.19	11.45 14.28	35. 33.		0.00 0.00	39.34 49.09	74.00 74.00	-34.66		
Туре			802.11		Test cl			CH0			Polarity		Horizontal	
51														
	Mark	N	equency Hz	Reading dBuV/m	Antenna dB	dB	d	reamp IB	Aux dB	Leve dBuV	/m dBuV/m	Over 1 limi		
	1	1176		36.14	25.51	5.06	36.		0.00	30.03		-43.97		
	2 3	3854 4871		33.04 32.39	29.80 31.40	9.91 11.51	36.		0.00 0.00	35.90 40.14		-38.10		
	4	8063		30.17	37.20	14.28	33.		0.00	48.33	74.00	-25.67		
Туре			802.11	b	Test cl	hannel		CH0	6		Polarity		Vertical	
Туре									6					
Туре	Mark		802.11 equency IHz	b Reading dBuV/m	Antenna dB	Cable dB	d	eamp B	Aux dB	Leve dBuV/	l Limit		Remark	
Туре	1	۸ 1267	quency Hz 7.10	Reading dBuV/m 34.69	Antenna dB 25.93	Cable dB 5.31	d 36.	eamp IB 43	Aux dB 0.00	dBuV, 29.50	l Limit /m dBuV/m 74.00	limi -44.50	Remark t Peak	
Туре	1 2	۸ 1267 3719	quency Hz 7.10 0.15	Reading dBuV/m 34.69 33.27	Antenna dB 25.93 29.44	Cable dB 5.31 9.80	d 36. 37.	eamp IB 43 10	Aux dB 0.00 0.00	dBuV, 29.50 35.41	l Limit /m dBuV/m 74.00 74.00	limi -44.50 -38.59	Remark t Peak Peak	
Туре	1	۸ 1267	equency Hz 7.10 9.15 2.49	Reading dBuV/m 34.69	Antenna dB 25.93	Cable dB 5.31	d 36.	eamp IB 43 10 47	Aux dB 0.00	dBuV, 29.50	l Limit /m dBuV/m 74.00	limi -44.50	Remark t Peak Peak Peak	
	1 2 3	M 1267 3719 5112	equency Hz 7.10 0.15 2.49 2.06	Reading dBuV/m 34.69 33.27 30.81 30.40	Antenna dB 25.93 29.44 32.15 37.10	Cable dB 5.31 9.80 11.44 14.29	d 36. 37. 35.	eamp IB 43 10 47 31	Aux dB 0.00 0.00 0.00 0.00	dBuV, 29.50 35.41 38.93	l Limit /m dBuV/m 74.00 74.00 74.00 74.00	limi -44.50 -38.59 -35.07	Remark t Peak Peak Peak Peak	
Туре	1 2 3	M 1267 3719 5112	equency Hz 7.10 9.15 2.49	Reading dBuV/m 34.69 33.27 30.81 30.40	Antenna dB 25.93 29.44 32.15	Cable dB 5.31 9.80 11.44 14.29	d 36. 37. 35.	eamp IB 43 10 47	Aux dB 0.00 0.00 0.00 0.00	dBuV, 29.50 35.41 38.93	L Limit /m dBuV/m 74.00 74.00 74.00	limi -44.50 -38.59 -35.07	Remark t Peak Peak Peak	
	1 2 3	N 1267 3719 5112 8002 Fre	equency Hz 7.10 0.15 2.49 2.06	Reading dBuV/m 34.69 33.27 30.81 30.40 b	Antenna dB 25.93 29.44 32.15 37.10 Test cl	Cable dB 5.31 9.80 11.44 14.29	d 36. 37. 35. 33.	eamp 18 43 10 47 31 CH1 eamp	Aux dB 0.00 0.00 0.00 0.00	dBuV, 29.50 35.41 38.93	L Limit /m dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity	limi -44.50 -38.59 -35.07	Remark t Peak Peak Peak Horizontal	
	1 2 3 4 Mark	M 1267 3719 5112 8002 Fre M 1207	equency Hz 7.10 9.15 2.49 2.06 802.11 9000 9000 9000 112 12 2.28	Reading dBuV/m 34.69 33.27 30.81 30.40 b Reading dBuV/m 36.07	Antenna dB 25.93 29.44 32.15 37.10 Test cl Antenna dB 25.64	Cable dB 5.31 9.80 11.44 14.29 hannel Cable dB 5.11	d 36. 37. 35. 33. Pro di 36.	eamp B 43 10 47 31 CH1 eamp B 64	Aux dB 0.00 0.00 0.00 0.00 1 Aux dB 0.00	dBuV, 29.50 35.41 38.93 48.48 Level dBuV/ 30.18	L Limit /m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit /m dBuV/m 74.00	limi -44.50 -38.59 -35.07 -25.52 Over limi -43.82	Remark t Peak Peak Peak Horizontal Remark t Peak	
	1 2 3 4 Mark 1 2	M 1267 3719 5112 8002 Fre M 1207 3653	equency Hz 7.10 9.15 2.49 2.06 802.11 9.06 802.11 	Reading dBuV/m 34.69 33.27 30.81 30.40 b Reading dBuV/m 36.07 33.82	Antenna dB 25.93 29.44 32.15 37.10 Test cl Antenna dB 25.64 29.40	Cable dB 5.31 9.80 11.44 14.29 hannel Cable dB 5.11 9.93	d 36. 37. 35. 33. Pro di 36.0 37.0	eamp B 43 10 47 31 CH1 eamp B 64 02	Aux dB 0.00 0.00 0.00 0.00 1 Aux dB 0.00 0.00	dBuV, 29.50 35.41 38.93 48.48 Level dBuV/ 30.18 36.13	L Limit /m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit /m dBuV/m 74.00 74.00 74.00	limi -44.50 -38.59 -35.07 -25.52 Over limi -43.82 -37.87	Remark t Peak Peak Peak Horizontal Remark t Peak Peak	
	1 2 3 4 Mark	M 1267 3719 5112 8002 Fre M 1207	equency Hz 7.10 0.15 2.49 2.06 802.11 802.11	Reading dBuV/m 34.69 33.27 30.81 30.40 b Reading dBuV/m 36.07 33.82 35.05	Antenna dB 25.93 29.44 32.15 37.10 Test cl Antenna dB 25.64 29.40 31.44	Cable dB 5.31 9.80 11.44 14.29 hannel Cable dB 5.11	d 36. 37. 35. 33. Pro di 36. 37. 35.	eamp B 43 10 47 31 CH1 eamp B 64 02 21	Aux dB 0.00 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00	dBuV, 29.50 35.41 38.93 48.48 Level dBuV/ 30.18 36.13	L Limit /m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit /m dBuV/m 74.00 74.00 74.00 74.00	limi -44.50 -38.59 -35.07 -25.52 Over limi -43.82 -37.87	Remark t Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak	
	1 2 3 4 Mark 1 2 3	M 1267 3719 5112 8002 Fre M 1207 3653 4920	equency Hz 7.10 0.15 2.49 2.06 802.11 802.11	Reading dBuV/m 34.69 33.27 30.81 30.40 b Reading dBuV/m 36.07 33.82 35.05 30.60	Antenna dB 25.93 29.44 32.15 37.10 Test Cl Antenna dB 25.64 29.40 31.44 37.03	Cable dB 5.31 9.80 11.44 14.29 hannel Cable dB 5.11 9.93 11.51	d 36. 37. 35. 33. Pro di 36. 37. 35.	eamp B 43 10 47 31 CH1 eamp B 64 02 21	Aux dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 0.00	dBuV, 29.50 35.41 38.93 48.48 Level dBuV/ 30.18 36.13 42.79	L Limit /m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit /m dBuV/m 74.00 74.00 74.00 74.00	limi -44.50 -38.59 -35.07 -25.52 Over limi -43.82 -37.87 -31.21	Remark t Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak	
Туре	1 2 3 4 Mark 1 2 3 4	Fre M 1267 3719 5112 8002 Fre M 1207 3653 4920 7981	equency Hz 7.10 0.15 2.49 2.06 802.11 42 2.28 5.46 0.96 72 802.11	Reading dBuV/m 34.69 33.27 30.81 30.40 b Reading dBuV/m 36.07 33.82 35.05 30.60 b Reading	Antenna dB 25.93 29.44 32.15 37.10 Test cl Antenna dB 25.64 29.40 31.44 37.03 Test cl	Cable dB 5.31 9.80 11.44 14.29 hannel Cable dB 5.11 9.93 11.51 14.35 hannel	d 36. 37. 35. 33. Pr(di 36. 37. 35. 33. Pr	eamp B 43 10 47 31 CH1 eamp B 64 02 21 31 CH1 CH1 	Aux dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 0.00 1 Aux	dBuV, 29.50 35.41 38.93 48.48 Level dBuV/ 30.18 36.13 42.79	L Limit /m dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.50 -38.59 -35.07 -25.52 Over limi -43.82 -37.87 -31.21 -25.33	Remark t Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak Peak Peak Peak	
Туре	1 2 3 4 Mark 1 2 3 4	Fre M 1267 3719 5112 8002 Fre M 1207 3653 4920 7981	equency Hz 7.10 9.15 2.49 2.06 802.11 .28 .46 9.96 .72 802.11 equency	Reading dBuV/m 34.69 33.27 30.81 30.40 b Reading dBuV/m 36.07 33.82 35.05 30.60 b Reading	Antenna dB 25.93 29.44 32.15 37.10 Test cl Antenna dB 25.64 29.40 31.44 37.03 Test cl Antenna dB 25.42	Cable dB 5.31 9.80 11.44 14.29 hannel Cable dB 5.11 9.93 11.51 14.35 hannel Cable dB 5.93	d 36. 37. 35. 33. Prr d 37. 33. Pr d 37.	eamp B 43 10 47 31 CH1 eamp B 64 02 21 31 CH1 ceamp B 64 02 21 31 CH1 10 10 10 10 10 10 10 10 10 1	Aux dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 0.00 1 Aux dB	dBuV, 29.50 35.41 38.93 48.48 Level dBuV/ 30.18 36.13 42.79 48.67 Level	L Limit /m dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity Limit /m dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.50 -38.59 -35.07 -25.52 Over limi -43.82 -37.87 -31.21 -25.33	Remark t Peak Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak Peak Peak Peak Remark	
Туре	1 2 3 4 Mark 1 2 3 4 Mark 1 2 3 4	M 1267 3719 5112 8002 Fre M 1207 3653 4920 7981 : Fre 1589 3653	equency Hz 7.10 0.15 2.49 2.06 802.11 equency Hz 2.28 2.46 0.96 2.72 802.11 equency Hz 9.29 3.46	Reading dBuV/m 34.69 33.27 30.81 30.40 b Reading dBuV/m 36.07 33.82 35.05 30.60 b Reading dBuV/m 35.66 33.71	Antenna dB 25.93 29.44 32.15 37.10 Test cl Antenna dB 25.64 29.40 31.44 37.03 Test cl Antenna dB 25.42 29.40	Cable dB 5.31 9.80 11.44 14.29 hannel Cable dB 5.11 9.93 11.51 14.35 hannel Cable dB 5.93 9.93	d 36. 37. 35. 33. Prr d 37. 33. Pr d 37. 37.	eamp B 43 10 47 31 CH1 eamp B 64 02 21 31 CH1 CH1 ceamp B 64 02 21 31 CH1 02 21 31 CH1	Aux dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00	dBuV, 29.50 35.41 38.93 48.48 Level dBuV/ 30.18 36.13 42.79 48.67 Level dBuV, 29.91 36.02	L Limit /m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit /m dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.50 -38.59 -35.07 -25.52 Over limi -43.82 -37.87 -31.21 -25.33 Over limi -44.09 -37.98	Remark t Peak Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak Peak t Remark t Peak	
Туре	1 2 3 4 Mark 1 2 3 4 Mark 1 2 3 4	Fre M 1267 3719 5112 8002 Fre M 1207 3653 4920 7981	equency Hz 7.10 9.15 2.49 2.06 802.11 9.28 46 96 72 802.11 equency Hz 9.29 3.46 0.96	Reading dBuV/m 34.69 33.27 30.81 30.40 b Reading dBuV/m 36.07 33.82 35.05 30.60 b Reading dBuV/m 35.66	Antenna dB 25.93 29.44 32.15 37.10 Test cl Antenna dB 25.64 29.40 31.44 37.03 Test cl Antenna dB 25.42 29.40 31.44	Cable dB 5.31 9.80 11.44 14.29 hannel Cable dB 5.11 9.93 11.51 14.35 hannel Cable dB 5.93	d 36. 37. 35. 33. 33. 33. 33. 33. 33. 33. 33. 33	eamp B 43 10 47 31 CH1 eamp B 64 02 21 31 CH1 31 CH1 31 CH1 31 2 21 31 CH1 31 2 2 1 31 CH1 31 2 2 1 31 2 31 2 31 2 31 31 2 31 31 31 31 31 31 31 31 31 31 31 31 31	Aux dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 0.00 0.00	dBuV, 29.50 35.41 38.93 48.48 Level dBuV/ 30.18 36.13 42.79 48.67 Level dBuV, 29.91	l Limit /m dBuV/m 74.00 74.00 74.00 Polarity Limit im dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.50 -38.59 -35.07 -25.52 Over limi -43.82 -37.87 -31.21 -25.33	Remark t Peak Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak Peak t Peak Peak t Peak Peak Peak	

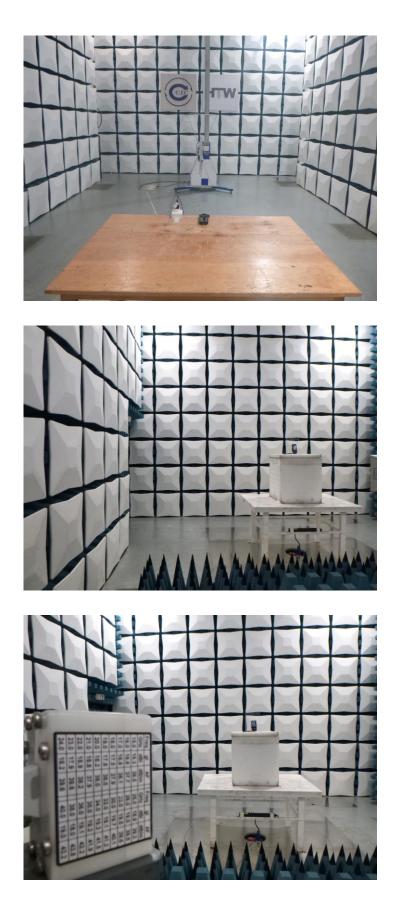
Туре			802.11	g	Test c	hannel		CH0	1		Pola	arity		Horizontal	
	Mark 1	N 1263	4Hz 3.88	Reading dBuV/m 34.45	dB 25.93	dB 5.30	d 36.	в 44	dB 0.00	Level dBuV/ 29.24	/m o	Limit dBuV/m 74.00	Over limi -44.76	Peak	
	2	3507		33.03	29.13		36.		0.00	35.07		74.00	-38.93	Peak	
	3 4	8063	1.40	30.85 30.86	31.67 37.20	11.53 14.28			0.00 0.00	38.67 49.02		74.00 74.00	-35.33	Peak Peak	
	4	880.	0.40	50.00	57.20	14.20	55.	52	0.00	49.02		/4.00	-24.90	FEAK	
Туре			802.11	g	Test c	hannel		CH0	1		Pola	arity		Vertical	
-	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Pr d		Aux dB	Level dBuV/		Limit dBuV/m	Over limit	Remark t	
	1	1283	.34	35.62	25.97	5.37	36.		0.00	30.60	7	74.00	-43.40	Peak	
	2	3588		32.33	29.38	10.03	36.		0.00	34.84		74.00	-39.16	Peak	
	3	5177		31.32	31.83	11.49			0.00	39.21		74.00	-34.79	Peak	
	4	7981	.72	29.76	37.03	14.35	33.	31	0.00	47.83		74.00	-26.17	Peak	
Туре			802.11	g	Test c	hannel		CH0	6		Pola	arity		Horizontal	
-	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB		eamp B	Aux dB	Leve dBuV		Limit dBuV/m	Over limi		
	1	1313		34.97	26.08	5.44			0.00	30.16		74.00	-43.84		
	2	3738	.13	33.66	29.48	9.81	37.	15	0.00	35.80		74.00	-38.20	Peak	
	3	5112	.49	30.93	32.15	11.44	35.	47	0.00	39.05		74.00	-34.95	Peak	
	4	7900	.86	30.06	36.80	14.60	33.	33	0.00	48.13		74.00	-25.87	Peak	
Туре			802.11	g	Test c	hannel		CH0	6		Pola	arity		Vertical	
	Marala			Reading	^ .					Leve	1			D	
	nark			Reauting	Ancenna	Capte		eamp							
1												Limit dBuV/m	Over limi		
	1		/Hz	dBuV/m 34.17	dB 26.08	dB 5.44		в	dB 0.00	dBuV, 29.36	/m (dBuV/m 74.00		t	
		Ν	1Hz 3.08	dBuV/m	dB	dB 5.44	d	B 33	dB	dBuV,	/m	dBuV/m	limi	t Peak	
	1	N 1313	1Hz 3.08 3.55	dBuV/m 34.17	dB 26.08	dB 5.44 9.76 11.47	d 36. 36. 35.	B 33 78 43	dB 0.00	dBuV, 29.36	/m	dBuV/m 74.00	limi -44.64	t Peak Peak	
	1 2	۸ 1313 3543	NHz 3.08 3.55 3.59	dBuV/m 34.17 33.23	dB 26.08 29.27	dB 5.44 9.76	d 36. 36. 35.	B 33 78 43	dB 0.00 0.00	dBuV, 29.36 35.48	/m	dBuV/m 74.00 74.00	limi -44.64 -38.52	t Peak Peak Peak	
Туре	1 2 3	N 1313 3543 5073	NHz 3.08 3.55 3.59	dBuV/m 34.17 33.23 30.09 29.55	dB 26.08 29.27 32.20 36.54	dB 5.44 9.76 11.47	d 36. 36. 35.	B 33 78 43	dB 0.00 0.00 0.00 0.00	dBuV, 29.36 35.48 38.33	/m	dBuV/m 74.00 74.00 74.00 74.00	limi -44.64 -38.52 -35.67	t Peak Peak Peak	
Туре	1 2 3 4	N 1313 3543 5073 7527 Fre	1Hz 3.08 3.55 3.59 7.83 802.11	dBuV/m 34.17 33.23 30.09 29.55 g Reading	dB 26.08 29.27 32.20 36.54 Test c Antenna	dB 5.44 9.76 11.47 14.27 hannel Cable	d 36. 35. 33. Pr	B 33 78 43 72 CH1 eamp	dB 0.00 0.00 0.00 0.00 1	dBuV, 29.36 35.48 38.33 46.64 Leve	/m Pola	dBuV/m 74.00 74.00 74.00 74.00 Arity	limi -44.64 -38.52 -35.67 -27.36	t Peak Peak Peak Horizontal Remark	
Туре	1 2 3 4 Mark	N 1313 3543 5073 7527 Fre	1Hz 3.08 3.55 3.59 7.83 802.11 equency Hz	dBuV/m 34.17 33.23 30.09 29.55 9 Reading dBuV/m	dB 26.08 29.27 32.20 36.54 Test c Antenna dB	dB 5.44 9.76 11.47 14.27 hannel Cable dB	d 36. 35. 33. 97 Pr	B 33 78 43 72 CH1 eamp B	dB 0.00 0.00 0.00 0.00 1 	dBuV, 29.36 35.48 38.33 46.64 Leve dBuV,	/m Pola 1 /m	dBuV/m 74.00 74.00 74.00 74.00 Arity Limit dBuV/m	limi -44.64 -38.52 -35.67 -27.36 Over limi	t Peak Peak Peak Horizontal Remark	
Туре	1 2 3 4 Mark	N 1313 3543 5073 7527 Fre N 1247	1Hz 3.08 3.55 3.59 7.83 802.11 equency Hz 7.90	dBuV/m 34.17 33.23 30.09 29.55 g Reading dBuV/m 34.95	dB 26.08 29.27 32.20 36.54 Test C Antenna dB 25.89	dB 5.44 9.76 11.47 14.27 hannel Cable dB 5.25	d 36. 35. 33. Pr d 36.	B 33 78 43 72 CH1 eamp B 51	dB 0.00 0.00 0.00 1 Aux dB 0.00	dBuV, 29.36 35.48 38.33 46.64 Leve dBuV, 29.58	/m Pola 1 /m	dBuV/m 74.00 74.00 74.00 74.00 Arity Limit dBuV/m 74.00	limi -44.64 -38.52 -35.67 -27.36 Over limi -44.42	t Peak Peak Peak Horizontal Remark t Peak	
Туре	1 2 3 4 Mark	N 1313 3543 5073 7527 Free N 1247 4065	11Hz 3.08 3.55 3.59 7.83 802.11 equency 11Hz 7.90 5.71	dBuV/m 34.17 33.23 30.09 29.55 g Reading dBuV/m 34.95 33.58	dB 26.08 29.27 32.20 36.54 Test c Antenna dB 25.89 30.00	dB 5.44 9.76 11.47 14.27 hannel Cable dB 5.25 10.20	d 36. 35. 33. Pr d 36. 36.	B 33 78 43 72 CH1 eamp B 51 32	dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00	dBuV, 29.36 35.48 38.33 46.64 Leve dBuV, 29.58 37.46	/m Pola 1 /m	dBuV/m 74.00 74.00 74.00 r4.00 r4.00 arity Limit dBuV/m 74.00 74.00	limi -44.64 -38.52 -35.67 -27.36 Over limi -44.42 -36.54	t Peak Peak Peak Horizontal Remark t Peak Peak	
Туре	1 2 3 4 Mark 1 2 3	N 1313 3543 5073 7527 7527 Fre N 1247 4065 6696	11Hz 3.08 3.55 3.59 7.83 802.11 equency 11Hz 7.90 5.71 5.01	dBuV/m 34.17 33.23 30.09 29.55 g Reading dBuV/m 34.95 33.58 29.41	dB 26.08 29.27 32.20 36.54 Test C Antenna dB 25.89 30.00 34.30	dB 5.44 9.76 11.47 14.27 hannel Cable dB 5.25 10.20 13.79	d 36. 35. 33. Pr d 36. 36. 34.	B 33 78 43 72 CH1 eamp B 51 32 47	dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00	dBuV, 29.36 35.48 38.33 46.64 Leve: dBuV, 29.58 37.46 43.03	/m Pola 1 /m	dBuV/m 74.00 74.00 74.00 74.00 74.00 Arity Limit dBuV/m 74.00 74.00 74.00	limi -44.64 -38.52 -35.67 -27.36 Over limi -44.42 -36.54 -30.97	t Peak Peak Peak Morizontal Remark t Peak Peak Peak	
Туре	1 2 3 4 Mark 1 2 3	N 1313 3543 5073 7527 7527 Fre N 1247 4065 6696	11Hz 3.08 3.55 3.59 7.83 802.11 aquency 1Hz 7.90 5.71 5.01 2.90	dBuV/m 34.17 33.23 30.09 29.55 g Reading dBuV/m 34.95 33.58	dB 26.08 29.27 32.20 36.54 Test c Antenna dB 25.89 30.00 34.30 37.19	dB 5.44 9.76 11.47 14.27 hannel Cable dB 5.25 10.20 13.79 14.28	d 36. 35. 33. 97 d 36. 36. 34. 33.	B 33 78 43 72 CH1 eamp B 51 32 47 31	dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 0.00	dBuV, 29.36 35.48 38.33 46.64 Leve dBuV, 29.58 37.46 43.03 48.06	/m Pola 1 /m	dBuV/m 74.00 74.00 74.00 74.00 74.00 Arity Limit dBuV/m 74.00 74.00 74.00	limi -44.64 -38.52 -35.67 -27.36 Over limi -44.42 -36.54 -30.97	t Peak Peak Peak Morizontal Remark t Peak Peak Peak	
	1 2 3 4 Mark 1 2 3	N 1313 3543 5073 7527 7527 Fre N 1247 4065 6696	11Hz 3.08 3.55 3.59 7.83 802.11 aquency 1Hz 7.90 5.71 5.01 2.90	dBuV/m 34.17 33.23 30.09 29.55 g Reading dBuV/m 34.95 33.58 29.41 29.90	dB 26.08 29.27 32.20 36.54 Test C Antenna dB 25.89 30.00 34.30	dB 5.44 9.76 11.47 14.27 hannel Cable dB 5.25 10.20 13.79 14.28	d 36. 35. 33. 97 d 36. 36. 34. 33.	B 33 78 43 72 CH1 eamp B 51 32 47 31	dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 0.00	dBuV, 29.36 35.48 38.33 46.64 Leve dBuV, 29.58 37.46 43.03 48.06	/m Pola 1 /m	dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.64 -38.52 -35.67 -27.36 Over limi -44.42 -36.54 -30.97	t Peak Peak Peak Morizontal Remark t Peak Peak Peak Peak Peak	
	1 2 3 4 Mark 1 2 3 4	Free 8042 Free 8042	Hz 3.08 3.55 3.59 7.83 802.11 equency Hz 7.90 5.71 5.01 2.90 802.11	dBuV/m 34.17 33.23 30.09 29.55 g Reading dBuV/m 34.95 33.58 29.41 29.90	dB 26.08 29.27 32.20 36.54 Test c Antenna dB 25.89 30.00 34.30 37.19 Test c Antenna	dB 5.44 9.76 11.47 14.27 hannel Cable dB 5.25 10.20 13.79 14.28 hannel Cable	d 36. 35. 33. Pr d 36. 36. 34. 33.	B 33 78 43 72 CH1 eamp B 51 32 47 31 CH1 eamp	dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 1 Aux	dBuV, 29.36 35.48 38.33 46.64 Leve dBuV, 29.58 37.46 43.03 48.06	/m Pola 1 /m	dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.64 -38.52 -35.67 -27.36 Over limi -44.42 -36.54 -30.97 -25.94	t Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak Peak Peak	
	1 2 3 4 Mark 1 2 3 4 Mark	Free N	Hz 3.08 3.55 3.59 7.83 802.11 equency Hz 3.00 802.11 2.90 802.11 equency Hz 3.88	dBuV/m 34.17 33.23 30.09 29.55 g Reading dBuV/m 34.95 33.58 29.41 29.90 g Reading dBuV/m 34.76	dB 26.08 29.27 32.20 36.54 Test C Antenna dB 25.89 30.00 34.30 37.19 Test C Antenna dB 25.93	dB 5.44 9.76 11.47 14.27 hannel Cable dB 5.25 10.20 13.79 14.28 hannel Cable dB 5.30	d 36. 35. 33. Pr d 36. 34. 33. Pr d 36.	B 33 78 43 72 CH1 eamp B 51 32 47 31 CH1 eamp B 44	dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 1 Aux dB 0.00	dBuV, 29.36 35.48 38.33 46.64 Leve dBuV, 29.58 37.46 43.03 48.06 Leve dBuV, 29.55	/m Pola 1 /m Pola	dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.64 -38.52 -35.67 -27.36 Over limi -44.42 -36.54 -30.97 -25.94 Over limi -44.45	t Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak Vertical	
	1 2 3 4 Mark 1 2 3 4 Mark 1	Free N 1313 3543 5073 7527 Free N 1247 4065 6690 8042	Hz 3.08 3.55 3.59 7.83 802.11 equency Hz 3.00 802.11 2.90 802.11 equency Hz 3.88	dBuV/m 34.17 33.23 30.09 29.55 g Reading dBuV/m 34.95 33.58 29.41 29.90 g Reading dBuV/m 34.76	dB 26.08 29.27 32.20 36.54 Test C Antenna dB 25.89 30.00 34.30 37.19 Test C Antenna dB 25.93	dB 5.44 9.76 11.47 14.27 hannel Cable dB 5.25 10.20 13.79 14.28 hannel Cable dB 5.30	d 36. 35. 33. Pr d 36. 34. 33. Pr d 36.	B 33 78 43 72 CH1 eamp B 51 32 47 31 CH1 eamp B 44	dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 1 Aux dB 0.00	dBuV, 29.36 35.48 38.33 46.64 Leve dBuV, 29.58 37.46 43.03 48.06 Leve dBuV, 29.55	/m Pola 1 /m Pola	dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.64 -38.52 -35.67 -27.36 Over limi -44.42 -36.54 -30.97 -25.94 Over limi -44.45	t Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak Vertical	
	1 2 3 4 Mark 1 2 3 4 Mark 1	Free N 1313 3543 5073 7527 Free N 1247 4065 6690 8042	Hz 3.08 3.55 3.59 7.83 802.11 equency Hz 3.00 802.11 2.90 802.11 2.90 802.11	dBuV/m 34.17 33.23 30.09 29.55 g Reading dBuV/m 34.95 33.58 29.41 29.90 g Reading dBuV/m 34.76 32.91 31.31	dB 26.08 29.27 32.20 36.54 Test C Antenna dB 25.89 30.00 34.30 37.19 Test C Antenna dB 25.93	dB 5.44 9.76 11.47 14.27 hannel Cable dB 5.25 10.20 13.79 14.28 hannel Cable dB 5.30	d 36. 35. 33. Pr d 36. 34. 33. Pr d 36. 37. 34.	B 33 78 43 72 CH1 eamp B 51 32 47 31 CH1 eamp B 44 01 86	dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 1 Aux dB 0.00 0.00 0.00 0.00	dBuV, 29.36 35.48 38.33 46.64 Leve dBuV, 29.58 37.46 43.03 48.06 Leve dBuV/ 29.55 35.26 40.72	/m Pola /m	dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limi -44.64 -38.52 -35.67 -27.36 Over limi -44.42 -36.54 -30.97 -25.94 Over limi -44.45	t Peak Peak Peak Horizontal Remark t Peak Peak Peak Peak Peak t Peak Peak Peak	

1 2 3 4 Type Ma 1 2 3 4 Type Ma 1 2 3 4 Type	1 1 2 3 4 8 4 8 1 1 2 3 3 5 4 8	Frequen MHz 1179.94 3709.69 5086.52 5083.96 802 802	dBuV/m 35.56 34.88 31.89 29.68 2.11n(HT20)		dB 5.07 8.69 11.43 14.27 hannel Cable dB 5.07 9.79 11.45	dB 36.67 37.15 35.48 33.32 C	dB 0.00 0.00 0.00 0.00 HO1	Level dBuV/ 29.48 35.40 40.04 47.83 Level	m dBuV/m lir 74.00 -44.9 74.00 -38.0 74.00 -33.9 74.00 -26.1 Polarity	nit 52 Peak 50 Peak 96 Peak 17 Peak Vertical
Ma 1 2 3 4 Type Ma 1 2 3 4 Type	1 1 2 3 3 5 4 8	Frequen MHz 1179.94 3709.69 5086.52 5083.96 802 802	cy Reading dBuV/m 37.12 33.28 30.93 31.08	Antenna dB 25.52 29.42 32.20	Cable dB 5.07 9.79 11.45	Prear dB	mp Aux	Level		
1 2 3 4 Type Ma 1 2 3 4 Type	1 1 2 3 3 5 4 8	MHz 179.94 3709.69 5086.52 3083.96 802	dBuV/m 37.12 33.28 30.93 31.08	dB 25.52 29.42 32.20	dB 5.07 9.79 11.45	dB		Level	Limit Ov	an Domank
Ma 1 2 3 4 Type	ark		2.11n(HT20)		14.27	37.07 35.46 33.32	dB 0.00 0.00 0.00 0.00	dBuV/ 31.04 35.42 39.12 49.23		mit 96 Peak 58 Peak 88 Peak
1 2 3 4 Type	ark	Frequer		Test c	hannel	С	H06		Polarity	Horizontal
	2 4 3 9	MHz 1247.90 4410.75 5125.52 8042.90	ncy Reading dBuV/m 35.30 32.76 32.33 30.45	Antenna dB 25.89 30.64 32.10 37.19	Cable dB 5.25 10.64 11.45 14.28	Prea dB 36.51 36.15 35.46 33.31	dB 0.00 0.00 0.00	37.89 40.42		mit 07 Peak 11 Peak 58 Peak
Mar		802	2.11n(HT20)	Test c	hannel	С	H06		Polarity	Vertical
1 2 3 4	1 2 3 3 5	Frequen MHz 293.17 644.18 125.52 681.17	cy Reading dBuV/m 34.83 33.25 30.94 30.11	Antenna dB 25.99 29.40 32.10 37.62	dB 5.40 9.96	dB 36.32 37.01 35.46	dB 0.00 0.00 0.00	Level dBuV/m 29.90 35.60 39.03 48.01	Limit Over dBuV/m lim: 74.00 -44.10 74.00 -38.44 74.00 -34.99 74.00 -25.99	it 0 Peak 0 Peak 7 Peak
Туре		802	2.11n(HT20)	Test c	hannel	С	H11		Polarity	Horizontal
 Ma 1 2 3 4	1 1 2 3 3 4	Frequen MHz 1247.90 3662.78 4920.96 7961.43	cy Reading dBuV/m 35.24 32.89 32.08 30.31	dB 25.89	dB 5.25 9.90 11.51	dB 36.51	dB 0.00 0.00 0.00	Level dBuV/ 29.87 35.17 39.82 48.35	m dBuV/m li 74.00 -44.	mit 13 Peak 83 Peak 18 Peak
Туре		802	2.11n(HT20)	Test c	hannel	C	H11		Polarity	Vertical
 Ma 1 2 3 4		Frequer MHz 1225.86 4045.06 5034.99 8002.06	ncy Reading dBuV/m 36.13 31.92 30.96 30.57	Antenna dB 25.76 29.99 32.11 37.10	dB 5.18 10.19 11.52	dB 36.60 36.31	dB 0.00 0.00 0.00	Level dBuV/ 30.47 35.79 39.25 48.65		mit 53 Peak 21 Peak 75 Peak

Туре			802.11	n(HT40)	Test cl	nannel		CH0	3		Polarity	1		Horizontal	
	Mark		equency Mz	Reading dBuV/m	Antenna dB	Cable dB		eamp IB	Aux dB	Leve dBuV/		it V/m	Over limi		
	1	1204	4.21	35.71	25.63	5.10	36.	64	0.00	29.80	74.	00	-44.20	Peak	
	2	3883	3.62	32.16	29.80	9.94	36.	76	0.00	35.14	74.	00	-38.86	Peak	
	3	5129	5.52	30.91	32.10	11.45	35.	46	0.00	39.00	74.	00	-35.00	Peak	
	4	8042	2.90	30.56	37.19	14.28	33.	31	0.00	48.72	74.	00	-25.28	Peak	
Туре			802.11	n(HT40)	Test cl	nannel		CH0	3		Polarity	/		Vertical	
-	Marali			Deedler	A				A	1				Demark	
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	di	eamp B	Aux dB	Level dBuV/			Over limit	Remark t	
	1	1235		35.70	25.81		36.		0.00	30.16	74.0	-	-43.84		
	2	3728		33.27	29.46		37.		0.00	35.41	74.0		-38.59	Peak	
	3	5776	.92	30.99	31.95		34.4	87	0.00	40.39	74.0	90	-33.61	Peak	
	4	9346	.26	30.54	39.29	15.15	36.4	49	0.00	48.49	74.0	00	-25.51	Peak	
Туре			802.11	n(HT40)	Test cl	nannel		CH0	6		Polarity	/		Horizontal	
	Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	d		Aux dB	Leve] dBuV/			Over limi	t	
	1	1346		36.33	26.28	5.48	36.		0.00	31.67	74.		-42.33		
	2	3653		33.46	29.40	9.93	37.		0.00	35.77	74.		-38.23		
	3	5112		30.58	32.15	11.44	35.		0.00	38.70	74.		-35.30		
	4	8042	.90	30.48	37.19	14.28	33.	31	0.00	48.64	74.	00	-25.36	Peak	
Туре			802.11	n(HT40)	Test cl	nannel		CH0	6		Polarity	/		Vertical	
	Mark	Fre	equency	Reading	Antenna	Cable	Pr	eamp	Aux	Level	Limi	it	Over	Remark	
		1	/Hz	dBuV/m	dB	dB	d	в	dB	dBuV/	m dBu∖	//m	limit	t	
	1	1296	5.47	34.69	25.99	5.41	36.	30	0.00	29.79	74.0	90	-44.21	Peak	
	2	4310	0.85	31.50	30.34	10.74	36.	12	0.00	36.46	74.0	90	-37.54	Peak	
	3	5631	1.73	31.04	31.90	12.46	35.	02	0.00	40.38	74.0	30	-33.62	Dec. In	
	4								0.00	40.50			22.02	Peak	
	-	8125	5.22	31.13	37.10	14.36	33.		0.00	40.38	74.0		-24.77	Peak Peak	
Туре	-	8129		31.13 n(HT40)	37.10 Test cl		33.		0.00			90			
Туре			802.11	n(HT40)	Test cl	hannel		36 CH0	0.00 9	49.23	74.0 Polarity	90 /	-24.77	Peak Horizontal	
Туре		Fre	802.11	n(HT40) Reading	Test cl	hannel Cable	Pr	36 CHO reamp	0.00 9 Aux	49.23 Leve	74.0 Polarity	00 , 	-24.77 Over	Peak Horizontal Remark	
Туре	Mark	Fre	802.11 equency Hz	n(HT40) Reading dBuV/m	Test cl Antenna dB	hannel Cable dB	Pr	36 CHO reamp	0.00 9 Aux dB	49.23 Leve	74.0 Polarity 1 Lim /m dBu	00 / it iV/m	-24.77 Over limi	Peak Horizontal Remark	
Туре	Mark 1	Fre N 1313	802.11 equency Hz 3.08	n(HT40) Reading dBuV/m 33.87	Test cl Antenna dB 26.08	hannel Cable dB 5.44	Pr d 36.	CHO ceamp B 33	0.00 9 Aux dB 0.00	49.23 Leve dBuV 29.06	74.0 Polarity 1 Lin /m dBu 74.	00 / iit IV/m 00	-24.77 Over limi -44.94	Peak Horizontal Remark	
Туре	Mark 1 2	Fre N 1313 3700	802.11 equency Hz 3.08 0.26	n(HT40) Reading dBuV/m 33.87 33.33	Antenna dB 26.08 29.40	Cable dB 5.44 9.79	Pr d 36. 37.	36 CH0 eamp 18 33 05	0.00 9 Aux dB 0.00 0.00	49.23 Leve dBuV 29.06 35.47	74.0 Polarity 1 Lin /m dBu 74. 74.	00 / iit IV/m 00 00	-24.77 Over limi -44.94 -38.53	Peak Horizontal Remark	
Туре	Mark 1	Fre N 1313	802.11 equency Hz 3.08 0.26 4.40	n(HT40) Reading dBuV/m 33.87	Test cl Antenna dB 26.08	Cable dB 5.44 9.79	Pr d 36. 37. 35.	36 CH0 eamp IB 33 05 38	0.00 9 Aux dB 0.00 0.00 0.00	49.23 Leve dBuV 29.06	74.0 Polarity 1 Lim /m dBu 74. 74. 74.	00 / it iV/m 00 00 00	-24.77 Over limi -44.94	Peak Horizontal Remark t Peak Peak Peak	
Туре	Mark 1 2 3	Fre N 1313 3700 5204	802.11 equency Hz 3.08 0.26 4.40 0.75	n(HT40) Reading dBuV/m 33.87 33.33 30.82	Test cl Antenna dB 26.08 29.40 31.67	Cable dB 5.44 9.79 11.53 14.43	Pr d 36. 37. 35.	36 CH0 eamp IB 33 05 38	0.00 9 Aux dB 0.00 0.00 0.00 0.00	49.23 Leve dBuV 29.06 35.47 38.64	74.0 Polarity 1 Lim /m dBu 74. 74. 74.	00 / iit /V/m 00 00 00	-24.77 Over limi -44.94 -38.53 -35.36	Peak Horizontal Remark t Peak Peak Peak	
	Mark 1 2 3	Fre N 1313 3700 5204	802.11 equency Hz 3.08 0.26 4.40 0.75	n(HT40) Reading dBuV/m 33.87 33.33 30.82 30.76	Test cl Antenna dB 26.08 29.40 31.67 36.60	Cable dB 5.44 9.79 11.53 14.43	Pr d 36. 37. 35.	36 CH0 eeamp 8 33 05 38 25	0.00 9 Aux dB 0.00 0.00 0.00 0.00	49.23 Leve dBuV 29.06 35.47 38.64	74.0 Polarity 1 Lin /m dBu 74. 74. 74. 74.	00 / iit /V/m 00 00 00	-24.77 Over limi -44.94 -38.53 -35.36	Peak Horizontal Remark t Peak Peak Peak Peak	
	Mark 1 2 3 4	Fre N 1313 3700 5204 7840	802.11 equency Hz 3.08 0.26 4.40 0.75 802.11	n(HT40) Reading dBuV/m 33.87 33.33 30.82 30.76 n(HT40)	Test cl Antenna dB 26.08 29.40 31.67 36.60 Test cl	Cable dB 5.44 9.79 11.53 14.43 hannel	Pr d 36. 37. 35. 33.	36 CH0 eamp B 33 05 38 25 CH0	0.00 9 Aux dB 0.00 0.00 0.00 0.00 9 9	49.23 Leve dBuV 29.06 35.47 38.64 48.54	74.0 Polarity 1 Lin /m dBu 74. 74. 74. 74. 74. 74.	00 / ///m 00 00 00	-24.77 Over limi -44.94 -38.53 -35.36 -25.46	Peak Horizontal Remark Peak Peak Peak Peak Peak Vertical	
	Mark 1 2 3 4	Fre N 1313 3700 5204 7840 Fre	802.11 equency Hz 3.08 0.26 4.40 0.75 802.11 quency	n(HT40) Reading dBuV/m 33.87 33.33 30.82 30.76 n(HT40) Reading	Antenna dB 26.08 29.40 31.67 36.60 Test cl Antenna	Cable dB 5.44 9.79 11.53 14.43 hannel Cable	Pr d 36. 37. 35. 33.	36 CH0 eamp B 33 05 38 25 CH0 eamp	0.00 9 Aux dB 0.00 0.00 0.00 0.00 9 Aux	49.23 Leve dBuV 29.06 35.47 38.64 48.54 Level	74.(Polarity 1 Lin /m dBu 74. 74. 74. 74. 74. 24.	00 / ///m ///m ////////////////////////	-24.77 Over limi -44.94 -38.53 -35.36 -25.46	Peak Horizontal Remark Peak Peak Peak Peak Vertical	
	Mark 1 2 3 4 Mark	Fre N 1313 3700 5204 7840 Fre	802.11 equency Hz 3.08 0.26 4.40 0.75 802.11 quency Hz	n(HT40) Reading dBuV/m 33.87 33.33 30.82 30.76 n(HT40) Reading dBuV/m	Antenna dB 26.08 29.40 31.67 36.60 Test cl Antenna dB	Cable dB 5.44 9.79 11.53 14.43 hannel Cable dB	Pr d 36. 37. 35. 33.	36 CH0 B 33 05 38 25 CH0 eamp B	0.00 9 Aux dB 0.00 0.00 0.00 0.00 9 Aux dB	49.23 Leve dBuV 29.06 35.47 38.64 48.54 Level dBuV/	74.0 Polarity 1 Lin /m dBu 74. 74. 74. 74. 74. Volarity	00 v v v v v v v v v v v v v	-24.77 Over limi -44.94 -38.53 -35.36 -25.46 Over limi	Peak Horizontal Remark Peak Peak Peak Peak Peak Vertical	
	Mark 1 2 3 4 Mark 1	Fre N 1313 3700 5204 7840 Fre M	802.11 equency Hz 3.08 0.26 4.40 0.75 802.11 quency Hz .98	n(HT40) Reading dBuV/m 33.87 33.33 30.82 30.76 n(HT40) Reading	Test cl Antenna dB 26.08 29.40 31.67 36.60 Test cl Antenna dB 25.56	Cable dB 5.44 9.79 11.53 14.43 hannel Cable	Pr d 36. 37. 35. 33. Pr d 36.	36 CH0 B 33 05 38 25 CH0 eamp B 66	0.00 9 Aux dB 0.00 0.00 0.00 0.00 9 Aux dB	49.23 Leve dBuV 29.06 35.47 38.64 48.54 Level	74.0 Polarity 1 Lin /m dBu 74. 74. 74. 74. Polarity	00 v v v v v v v v v v v v v	-24.77 Over limi -44.94 -38.53 -35.36 -25.46	Peak Horizontal Remark Peak Peak Peak Peak Vertical Remark t Peak	
	Mark 1 2 3 4 Mark 1	Fre N 1313 3700 5204 7840 Fre M 1188	802.11 equency Hz 3.08 0.26 4.40 0.75 802.11 quency Hz .98 .25	n(HT40) Reading dBuV/m 33.87 33.33 30.82 30.76 n(HT40) Reading dBuV/m 36.24	Test cl Antenna dB 26.08 29.40 31.67 36.60 Test cl Antenna dB 25.56 28.93	hannel Cable dB 5.44 9.79 11.53 14.43 hannel Cable dB 5.08	Pr d 36. 37. 35. 33. Pr d 36. 37.	36 CH0 B 33 05 38 25 CH0 eamp B 66 05	0.00 9 Aux dB 0.00 0.00 0.00 9 Aux dB 0.00 0.00	49.23 Leve dBuV 29.06 35.47 38.64 48.54 Level dBuV/ 30.22	74.0 Polarity 1 Lin /m dBu 74. 74. 74. 74. Polarity L Lim /m dBu 74. 74. 74. 74. 74. 74. 74. 74.	00 v v v v v v v v v v v v v	-24.77 Over limi -44.94 -38.53 -35.36 -25.46 Over limi -43.78	Peak Horizontal Remark Peak Peak Peak Peak Vertical Kemark t Peak Peak	

6. TEST SETUP PHOTOS

Radiated Emission



AC Conducted Emission



7. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No. : CHTEW21070219.

8. APPENDIX REPORT