TEST REPORT

Report No.:: CHTEW21120185 Report Verification:

Project No..... SHT2111020903EW

FCC ID.....:: 2AKFL-C6100

Applicant's name: Shenzhen Handheld-Wireless Technology Co., Ltd

Address.....: East of 4th Floor, Building A, PowerLeader Science&Technology

Park, Guanhu Street, Longhua District, Shenzhen, China

Test item description: **Mobile Data Terminal**

Trade Mark: Handheld-Wireless

Model/Type reference....: C6100

Listed Model(s) C3100, H3100

FCC CFR Title 47 Part 15 Subpart E Section 15.407 Standard::

Date of receipt of test sample.....: Nov. 08, 2021

Date of testing.....: Nov. 09, 2021- Dec. 22, 2021

Date of issue....: Dec. 23, 2021

Result....: **PASS**

Compiled by

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(Position+Printed name+Signature): Project Engineer David Chen

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

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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 15.407: General technical requirements.
- ANSI C63.10:2013: American National Standard for Testing Unlicensed Wireless Devices
- KDB789033 D02 v02r01: GUIDELINES FOR COMPLIANCE TESTING OF UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE (U-NII) DEVICES PART 15, SUBPART E

1.2. Report version

Revision No.	Date of issue	Description
N/A	2021-12-23	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	Maximum Conducted Output Power	15.407(a)	PASS
5.4	Maximum Power Spectral Density	15.407(a)	PASS
5.5	26dB Bandwidth and 99% Ocuppy bandwith	15.407(a)	PASS
5.6	6dB Bandwidth	15.407(a)	PASS
5.7	Band edge	15.407(b)	PASS
5.8	Radiated Spurious Emissions	15.209	PASS
5.9	Frequency Stability	15.407(g)	PASS

Note:

The measurement uncertainty is not included in the test result.

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3. **SUMMARY**

3.1. Client Information

Applicant:	Shenzhen Handheld-Wireless Technology Co., Ltd
Address:	East of 4th Floor, Building A, PowerLeader Science&Technology Park, Guanhu Street, Longhua District, Shenzhen, China
Manufacturer:	Shenzhen Handheld-Wireless Technology Co., Ltd
Address:	East of 4th Floor, Building A, PowerLeader Science&Technology Park, Guanhu Street, Longhua District, Shenzhen, China

3.2. Product Description

Name of EUT:	Mobile Data Terminal	
Trade Mark:	Handheld-Wireless	
Model No.:	C6100	
Listed Model(s):	C3100, H3100	
Power supply:	DC 3.8V	
Hardware version:	V1.0	
Software version:	Android 10.0	

3.3. Radio Specification Description

Support type ^{*1}	⊠ 802.11a	⊠ 802.11n(HT20)	⊠ 802.11n(HT40)	
	⊠ 802.11ac(HT20)	⊠ 802.11ac(HT40)	⊠ 802.11ac(HT80)	
Function:	☐ Outdoor AP	☐ Indoor AP	☐ Fixed P2P	
Modulation:	BPSK, QPSK, 16QAM, 64QAM			
Operation frequency:	⊠ Band I: 5150MHz~5250MHz			
Operation frequency:	Band IV: 5725MHz~5850MHz			
	20MHz: 802.11ac,802.11n, 802.11a			
Supported Bandwidth	40MHz: 802.11ac,802.11n			
	80MHz: 802.11ac			
Antenna type:	PIFA antenna			
Antenna gain:	0.5dBi			

Note:

^{*1:} 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	Type Accreditation Numb		
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 .

	Test Channel	20MHz		40MHz		80MHz	
Band		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
	CH _L	36	5180	38	5190	-	-
I	CH _M	44	5220	-	-	42	5210
	CH _H	48	5240	46	5230	ı	-
	CH _L	149	5745	151	5755	-	-
IV	CH _M	157	5785	-	=	155	5775
	CH _H	165	5825	159	5795	-	-

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
802.11a	6Mbps
802.11n(HT20)/ 802.11ac(HT20)	MCS0
802.11n(HT40)/ 802.11ac(HT40)	MCS0
802.11ac(HT80)	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
Frequency error	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.

TEST RESULT

⊠ Passed	■ Not Applicable
<u> </u>	

The antenna type is a PIFA 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

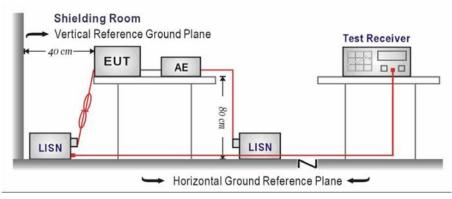
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Fragues ov 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				

^{*} Decreases with the logarithm of the frequency.

TEST CONFIGURATION



TEST PROCEDURE

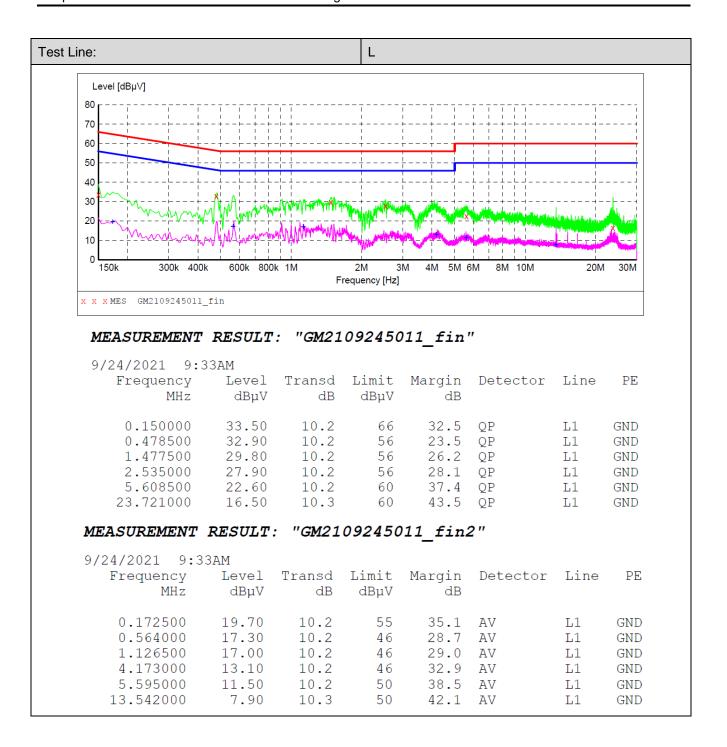
- 1. The EUT was setup according to ANSI C63.10 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from 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:

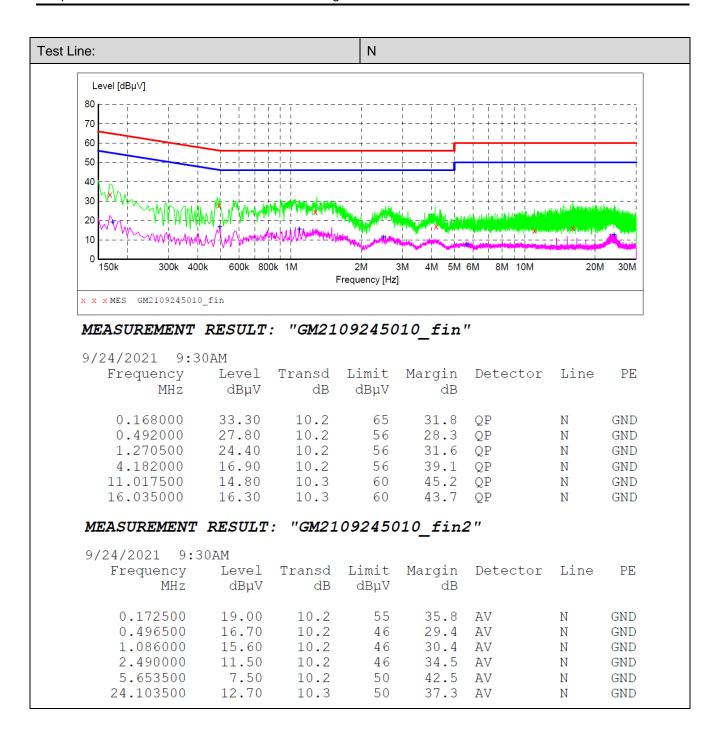
Please refer to the clause 4.3

TEST RESULT

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5.3. Maximum Conducted Output Power

LIMIT

FCC CFR Title 47 Part 15 Subpart E Section 15.407(a):

For the 5.15~5.25GHz band:

Outdoor AP

The maximum conducted output power (P_{out}) shall not exceed the lesser of 1W (30dBm). if G_{Tx} >6dBi, then P_{out} =30-(G_{Tx} -6). e.i.r.p. at any elevation angle above 30 degrees \leq 125mW (21dBm)

Indoor AP

The maximum conducted output power (P_{out}) shall not exceed the lesser of 1W (30dBm). if G_{Tx} >6dBi, then Pout =30-(G_{Tx} -6).

Point-to-point AP

The maximum conducted output power (P_{out}) shall not exceed the lesser of 1W (30dBm). if G_{Tx} >23dBi, then Pout =30-(G_{Tx} -23).

Client devices

The maximum conducted output power (P_{out}) shall not exceed the lesser of 250W (24dBm). if G_{Tx} >6dBi, then Pout =24-(G_{Tx} -6).

For the 5.725~5.85GHz band:

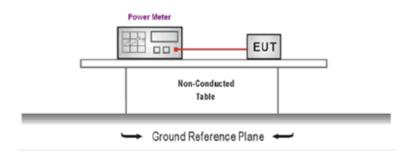
Point-to-multipoint systems (P2M)

The maximum conducted output power (P_{out}) shall not exceed the lesser of 1W (30dBm). if G_{Tx} >6dBi, then P_{out} =30-(G_{Tx} -6).

Point-to-point systems (P2P)

The maximum conducted output power (Pout) shall not exceed the lesser of 1W (30dBm).

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was tested according to KDB789033 Section E-3-b)
- 2. The maximum conducted output power may be measured using a broadband AVG RF power meter.
- Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor.
- 4. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.
- 5. Record the measurement data.

6. TEST MODE:

Please refer to the clause 4.3

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 E Section 15.407(a):

For the 5.15~5.25GHz band:

Outdoor AP

The peak power spectral density (PSD) shall not exceed the lesser of 17dBm/MHz. if G_{Tx} >6dBi, then PSD =17-(G_{Tx} -6).

Indoor AP

The peak power spectral density (PSD) shall not exceed the lesser of 17dBm/MHz. if G_{Tx} >6dBi, then PSD =17-(G_{Tx} -6).

Point-to-point AP

The peak power spectral density (PSD) shall not exceed the lesser of 17dBm/MHz. if G_{Tx} >23dBi, then PSD =17-(G_{Tx} -23).

Client devices

The peak power spectral density (PSD) shall not exceed the lesser of 11dBm/MHz. if G_{Tx} >6dBi, then PSD =11-(G_{Tx} -6).

For the 5.725~5.85GHz band:

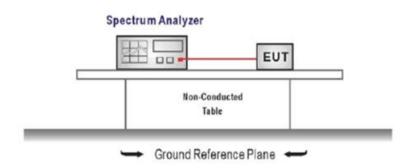
Point-to-multipoint systems (P2M)

The peak power spectral density (PSD) shall not exceed the lesser of 30dBm/500kHz. if $G_{Tx}>6dBi$, then PSD = $30-(G_{Tx}-6)$.

Point-to-point systems (P2P)

The peak power spectral density (PSD) shall not exceed the lesser of 30dBm/500kHz.

TEST CONFIGURATION



TEST PROCEDURE

- 1. According KDB 789033 D02 Section F
- 2. Analyzer was setting as follow:

Center frequency: test channel

Span was set to encompass the entire emission bandwidth of the signal

RBW=1MHz for devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz

RBW=500kHz for devices operating in the band 5.725-5.85 GHz

VBW ≥ 3 RBW

Number of sweep points > 2 x (span/RBW)

Sweep time = auto

Detector = Peak

Trigger was set to free run for all modes, trace was averaged over 100 sweeps

3. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

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TEST MODE: Please refer to	the clause 4.3					
TEST RESULT	<u>.</u>					
⊠ Passed	☐ Not Applicable					
TEST Data Please refer to	appendix B on the appen	dix report				

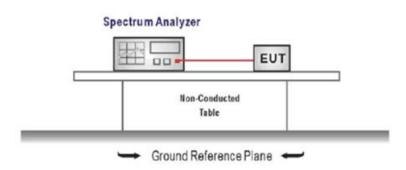
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5.5. 26dB bandwidth and 99% Occupy bandwidth

LIMIT

The bandwidth at 26dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in KDB 789033 D02, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 26dB bandwidth.

TEST CONFIGURATION



TEST PROCEDURE

- 1. According KDB 789033 D02 Section C, 26dB bandwidth test as follow
 - a) Set RBW = approximately 1% of the emission bandwidth.
 - b) Set the VBW > RBW.
 - c) Detector = Peak.
 - d) Trace mode = max hold.
 - e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
- 2. According KDB 789033 D02 Section D, 99% bandwidth test as follow
 - a). Set center frequency to the nominal EUT channel center frequency.
 - b). Set span = 1.5 times to 5.0 times the OBW.
 - c). Set RBW = 1% to 5% of the OBW
 - d). Set VBW ≥ 3 RBW
 - e). Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
 - f). Use the 99% power bandwidth function of the instrument

TEST MODE:

Please refer to the clause 4.3

TEST RESULT

TEST Data

Please refer to appendix C and D on the appendix report

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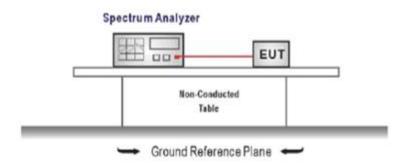
5.6. 6dB Bandwidth

LIMIT

FCC CFR Title 47 Part 15 Subpart E Section 15.407(e)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz

TEST CONFIGURATION



TEST PROCEDURE

- 1. C 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 =test channel center frequency

Span=2 x emission 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 wave form 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 4.3

TEST RESULT

TEST Data

Please refer to appendix E on the appendix report

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5.7. Band edge

LIMIT

FCC CFR Title 47 Part 15 Subpart E Section 15.407(b)

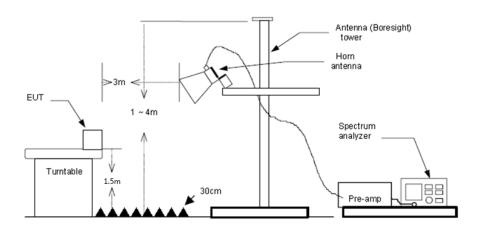
	Un-restricted band	d emissions above 1GHz	
Operating Band	Frequency	EIRP Limit	Value
5150-5250MHz	Above 1GHz	-27dBm/MHz(68.2dBuV/m)@3m	Peak
5250-5350MHz	Above 1GHz	-27dBm/MHz(68.2dBuV/m)@3m	Peak
5470-5725MHz	Above 1GHz	-27dBm/MHz(68.2dBuV/m)@3m	Peak
	1GHz-5.65GHz	-27 dBm/MHz(68.2dBuV/m)@3m	Peak
	5.65GHz-5.7GHz	-27*dBm/MHz to 10dBm/MHz (68.2* dBuV/m to 105.6dBuV/m)	Peak
	5.7GHz-5.72GHz	10*dBm/MHz to 15.6dBm/MHz (105.6*dBuV/m to 110.8dBuV/m)	Peak
EZOE EREO MUL-	5.72GHz-5.725GHz	15.6*dBm/MHz to 27dBm/MHz (110.8dBuV/m to* 122.2dBuV/m)	Peak
5725-5850 MHz	5.85GHz-5.855GHz	27dBm/MHz to 15.6*dBm/MHz (122.2dBuV/m to110.8* dBuV/m)	Peak
	5.855GHz-5.875GHz	15.6dBm/MHz to 10*dBm/MHz (110.8dBuV/m to 105.6* dBuV/m	Peak
	5.875GHz-5.925GHz	10dBm/MHz to -27*dBm/MHz (105.6dBuV/m to 68.2* dBuV/m)	Peak
	Above 5.925GHz	-27 dBm/MHz(68.2dBuV/m)@3m	Peak

^{*} Increase/Decreases with the linearly of the frequency.

For emission above 1GHz and in restricted band, according to FCC KDB 789033 D02 General UNII Test Procedure, all emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit. $E[dB\mu V/m] = EIRP[dBm] + 95.2$, for d = 3 meters.

TEST CONFIGURATION

Radiated:



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TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
- 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 C63.10:2013 on radiated measurement.
- The receiver set as follow: RBW=1MHz, VBW=3MHz PEAK detector for Peak value. RBW=1MHz, VBW=3MHz RMS detector for Average value.

TEST MODE:

Please refer to the clause 4.3

TEST RESULTS

Radiated Band Edge Test Data

Band: I				Worst m	ode: 8	02.11a		T	est chan	nel: CH	L
Test valu	ıe			Horizontal							
	Mark	Frequency	_	Antenna				Level	Limit	0ver	Remark
		MHz	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m		_
	2	5147.85 5150.07	38.28 34.98		8.96 8.96	35.45 35.44	10.00 10.00	53.80 50.50	68.20	-14.40 -17.70	
	Mark	k Frequency	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB		Limit dBuV/m	Over	Remark
	1		22.44		8.96		10.00	-	54.00 -		Average
Band: I				Worst m	ode: 8	02.11a		Т	est chan	nel: CH	<u> </u>
Test valu	ıe					Ver	tical				
M	lark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/n	Over n limi	
			_	dB					dBuV/n		it
	1	MHz 5149.67	dBuV/m	dB 32.00	dB	dB	dB	dBuV/m	dBuV/n 68.20	n limi	it 5 Peak
	1 2	MHz 5149.67	dBuV/m 38.03 34.52	dB 32.00	dB 8.96 8.96	dB 35.45 35.44	dB 10.00 10.00	dBuV/m 53.54	dBuV/n 68.20	n limi -14.66	it 5 Peak

Band: I			Worst mode: 802.11a				Test channel: CH _H			
Test value				Hor	Horizontal					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	5350.04	35.07	31.50	9.45	35.37	10.00	50.65	68.20	-17.55	Peak
2	5435.56	35.67	31.70	9.36	35.38	10.00	51.35	68.20	-16.85	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	5350.04	21.90	31.50	9.45	35.37	10.00	37.48	54.00	-16.52	Average
2	5430.99	22.01	31.70	9.36	35.38	10.00	37.69	54.00	-16.31	Average

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Band: I			Worst n	orst mode: 802.11a				Test channel: CH _H			
Test value				Ver	Vertical						
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	Aux dB	Level dBuV/m	Limit dBuV/r	Over n limi		
1	5350.04	34.42	31.50	9.45	35.37	10.00	50.00	68.20	-18.20) Peak	
2	5433.28	36.16	31.70	9.36	35.38	10.00	51.84	68.20	-16.36	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	5350.04	21.93	31.50	9.45	35.37	10.00	37.51	54.00 -	16.49	Average	
2	5459.01	22.01	31.74	9.35	35.39	10.00	37.71	54.00 -	16.29	Average	

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Band:	I			Worst	mode:	802.11	n(HT40)	Т	est char	nnel: CH _L	
Test va	alue					Н	orizontal				
	Mark	Frequency MHz	_	Antenna dB			p Aux dB	Level dBuV/m	Limit dBuV/m	Over 1 limit	Remark
	1	5150.07	44.82			35.44	10.00	-		-7.86	Peak
	Mark	Frequency MHz	Reading dBuV/m								Remark
	1	5150.07	26.31	32.00	8.96	35.44	10.00	41.83	54.00	-12.17	Average
Band:	I			Worst	mode:	802.11	n(HT40)	Т	est char	nnel: CH _L	
Test va	alue					Ve	ertical				
	Mark	Frequency MHz	Reading dBuV/m		Cable dB		p Aux dB	Level dBuV/m		Over m limit	Remark
	1 2		45.59 43.57							-7.10 -9.11	
-	Mark	Frequency MHz	Reading dBuV/m				Aux dB			Over limit	Remark
	1	5150.07	26.31	32.00	8.96	35.44	10.00	41.83	54.00	-12.17	Average

Band: I				Worst mo	de: 80	2.11n(H	T40)		Test cha	nnel: CH	I _H
Test va	lue					Hor	izontal				
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m		Remark
	1	5350.04	33.45	31.50	9.45	35.37	10.00	49.03			Peak
-	Mark	Frequency MHz	_	Antenna dB		Preamp dB	Aux dB	Level dBuV/m		Over limit	Remark
	1	5350.04	21.43	31.50	9.45	35.37	10.00	37.01	54.00	-16.99	Average
Band: I				Worst mo	de: 80	2.11n(H	T40)	-	Test cha	nnel: CH	I _H
Test va	lue					Ver	tical				
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream	Aux dB	Level dBuV/m	Limit dBuV/n		Remark
	1	5350.04			9.45		10.00			-18.86	
	Mark	Frequency MHz	_	Antenna dB		Preamp dB			Limit dBuV/m	Over limit	Remark
	1	5350.04	21.48	31.50	9.45	35.37	10.00	37 06	54.00 -	16 94	Average

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Band:	I		'	Worst mo	de: 802	2.11ac(H	T80)	-	Test chan	nel: CHլ	_
Test v	alue					Hori	zontal				
	1	Frequency MHz 5149.79 5150.04	Reading dBuV/m 48.03 45.14		dB 8.96	Preamp dB 35.45 35.44	dB 10.00	Level dBuV/m 63.54 60.66	68.20	Over limit -4.66 -7.54	Peak
D I	1	Frequency MHz 5150.04	dBuV/m 26.81	dB 32.00	dB 8.96	dB 35.44	dB 10.00	dBuV/m 42.33	dBuV/m 54.00 -1	limit 1.67	emark Average
Band:				Worst mo	de: 802				Test chan	inei: CH _L	
Test v	alue					Vert	ıcai				
	Mark	Frequency MHz	_	Antenna dB		Preamp dB		Level	Limit dBuV/m	Over	Remark
	1		Reading dBuV/m 48.58 44.28	dB 32.02	Cable dB 8.96 8.96		Aux	Level dBuV/m 64.11 59.80		Over limit -4.09	Remark Peak Peak
	1 2	MHz 5144.77	dBuV/m 48.58 44.28	dB 32.02 32.00	dB 8.96 8.96	dB 35.45 35.44	Aux dB 10.00 10.00	dBuV/m 64.11	dBuV/m 68.20	limit -4.09 -8.40	Peak

Band:	I			Worst	mode:	802.11a	c(HT80) T	est char	nel: CH⊦	1
Test va	alue					Но	rizontal				
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1 2	5350.08 5357.02	34.36 35.59		9.45 9.44	35.37 35.35	10.00 10.00	49.94 51.21	68.20 68.20	-18.26 -16.99	Peak Peak
•	Mar	k Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	5350.08	21.66	31.50	9.45	35.37	10.00	37.24	54.00	-16.76	Average
Band:	l			Worst	mode:	802.11a	c(HT80) T	est char	nel: CH⊦	1
Test va	alue					Vei	tical				
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/r		
	1 2	5350.08 5416.88		31.50 31.70	9.45 9.37	35.37 35.36	10.00 10.00	50.48 51.56			
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1	5350.08	21.85	31.50			10.00		-	-16.57	Average

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Band: IV			Worst n	node: 802	11a			Test ch	nannel: CH _L	
Frequency (MHz)	Read Level (dBuV)	Antenn a Factor (dB/m)	Cable Loss (dB)	Pream p Factor (dB)	Aux Factor (dB)	Level (dBuV/ m)	Limit Line (dBuV/ m)	Over Limit (dB)	Test value	Polari zation
5650.00	33.97	31.90	9.48	34.99	10.00	50.36	68.20	-17.84	Vertical	Peak
5699.96	34.58	31.90	9.53	34.91	10.00	51.10	105.20	-54.10	Vertical	Peak
5719.96	34.58	31.90	9.55	34.88	10.00	51.15	110.80	-59.65	Vertical	Peak
5650.00	33.26	31.90	9.48	34.99	10.00	49.65	68.20	-18.55	Horizontal	Peak
5699.96	34.02	31.90	9.53	34.91	10.00	50.54	105.20	-54.66	Horizontal	Peak
5719.96	33.68	31.90	9.55	34.88	10.00	50.25	110.80	-60.55	Horizontal	Peak
Band: IV			Worst n	node: 802	.11a			Test ch	annel: CH _H	
Frequency (MHz)	Read Level (dBuV)	Antenn a Factor (dB/m)	Cable Loss (dB)	Pream p Factor (dB)	Aux Factor (dB)	Level (dBuV/ m)	Limit Line (dBuV/ m)	Over Limit (dB)	Test value	Polari zation
5855.08	32.19	32.21	9.59	34.91	10.00	49.08	110.80	-61.72	Vertical	Peak
5875.04	33.46	32.25	9.58	34.97	10.00	50.32	105.20	-54.88	Vertical	Peak
5924.99	32.53	32.35	9.58	35.04	10.00	49.42	68.20	-18.78	Vertical	Peak
5855.08	32.36	32.21	9.59	34.91	10.00	49.25	110.80	-61.55	Horizontal	Peak
5875.04	32.11	32.25	9.58	34.97	10.00	48.97	105.20	-56.23	Horizontal	Peak
5924.99	33.53	32.35	9.58	35.04	10.00	50.42	68.20	-17.78	Horizontal	Peak

Band: IV			Worst	mode: 80)2.11n(HT	40)	Te	st channel:	CH _L	
Frequency (MHz)	Read Level (dBuV)	Antenn a Factor (dB/m)	Cable Loss (dB)	Pream p Factor (dB)	Aux Factor (dB)	Level (dBuV/ m)	Limit Line (dBuV/ m)	Over Limit (dB)	Test value	Polariz ation
5650.00	33.95	31.90	9.48	34.99	10.00	50.34	68.20	-17.86	Vertical	Peak
5700.01	34.27	31.90	9.53	34.91	10.00	50.79	105.20	-54.41	Vertical	Peak
5720.05	36.21	31.90	9.55	34.87	10.00	52.79	110.80	-58.01	Vertical	Peak
5650.00	33.43	31.90	9.48	34.99	10.00	49.82	68.20	-18.38	Horizontal	Peak
5700.01	34.38	31.90	9.53	34.91	10.00	50.90	105.20	-54.30	Horizontal	Peak
5720.05	38.96	31.90	9.55	34.87	10.00	55.54	110.80	-55.26	Horizontal	Peak
Band: IV			Worst	mode: 80	2.11n(HT	40)	Test channel: CH _H			
Frequency (MHz)	Read Level (dBuV)	Antenn a Factor (dB/m)	Cable Loss (dB)	Pream p Factor (dB)	Aux Factor (dB)	Level (dBuV/ m)	Limit Line (dBuV/ m)	Over Limit (dB)	Test value	Polariz ation
5854.94	32.66	32.21	9.59	34.91	10.00	49.55	110.80	-61.25	Vertical	Peak
5874.92	33.51	32.25	9.58	34.97	10.00	50.37	105.20	-54.83	Vertical	Peak
5924.97	32.08	32.35	9.58	35.04	10.00	48.97	68.20	-19.23	Vertical	Peak
5854.94	32.61	32.21	9.59	34.91	10.00	49.50	110.80	-61.30	Horizontal	Peak
5874.92	32.39	32.25	9.58	34.97	10.00	49.25	105.20	-55.95	Horizontal	Peak
5924.97	33.66	32.35	9.58	35.04	10.00	50.55	68.20	-17.65	Horizontal	Peak

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Band: IV			Worst	mode: 80)2.11ac(H	T80)	Te	st channel:	CH _L	
Frequency (MHz)	Read Level (dBuV)	Antenn a Factor (dB/m)	Cable Loss (dB)	Pream p Factor (dB)	Aux Factor (dB)	Level (dBuV/ m)	Limit Line (dBuV/ m)	Over Limit (dB)	Test value	Polariz ation
5650.00	32.92	31.90	9.48	34.99	10.00	49.31	68.20	-18.89	Vertical	Peak
5699.96	33.86	31.90	9.53	34.91	10.00	50.38	105.20	-54.82	Vertical	Peak
5720.01	33.76	31.90	9.55	34.87	10.00	50.34	110.80	-60.46	Vertical	Peak
5650.00	32.99	31.90	9.48	34.99	10.00	49.38	68.20	-18.82	Horizontal	Peak
5699.96	33.55	31.90	9.53	34.91	10.00	50.07	105.20	-55.13	Horizontal	Peak
5720.01	33.85	31.90	9.55	34.87	10.00	50.43	110.80	-87.23	Horizontal	Peak
Band: IV			Worst	mode: 80)2.11ac(H	T80)	Te	st channel:	CH _H	
Frequency (MHz)	Read Level (dBuV)	Antenn a Factor (dB/m)	Cable Loss (dB)	Pream p Factor (dB)	Aux Factor (dB)	Level (dBuV/ m)	Limit Line (dBuV/ m)	Over Limit (dB)	Test value	Polariz ation
5854.98	32.50	32.21	9.59	34.91	10.00	49.39	110.80	-61.41	Vertical	Peak
5875.14	33.64	32.25	9.58	34.97	10.00	50.50	105.20	-54.70	Vertical	Peak
5925.07	33.08	32.35	9.58	35.04	10.00	49.97	68.20	-18.23	Vertical	Peak
5854.98	33.45	32.21	9.59	34.91	10.00	50.34	110.80	-60.46	Horizontal	Peak
5875.14	32.82	32.25	9.58	34.97	10.00	49.68	105.20	-55.52	Horizontal	Peak
5925.07	32.96	32.35	9.58	35.04	10.00	49.85	68.20	-18.35	Horizontal	Peak

Remark:

- 1. Final Level=Receiver Read level + Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. Test 802.11a, 802.11n, 802.11ac mode, all modulations have been tested, only worst case is reported

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5.8. Radiated Spurious Emissions

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209 and Part 15 Subpart E Section 15.407

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

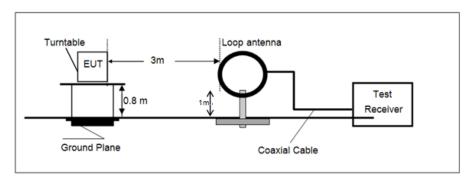
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3)= Limit dBuV/m @300m +80,

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

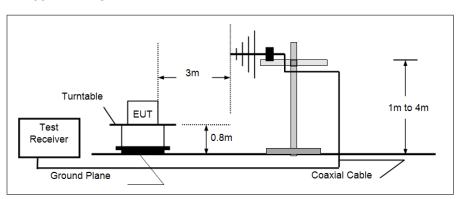
Unwanted emissions below	v 1GHz and Restricted band emissions	
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above 1GHz	74.00	Peak

TEST CONFIGURATION

➤ 9KHz ~30MHz

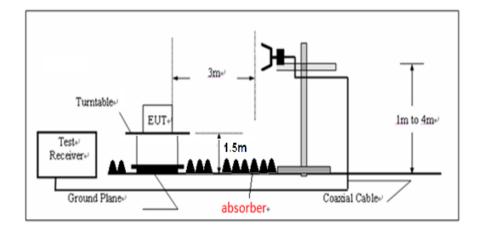


➤ 30MHz ~ 1GHz



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Above 1GHz



TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10:2013
- 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) From 1 GHz to 10th harmonic:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

RBW=1MHz, VBW=3MHz RMS detector for Average value.

TEST MODE:

Please refer to the clause 4.3

TEST RESULT

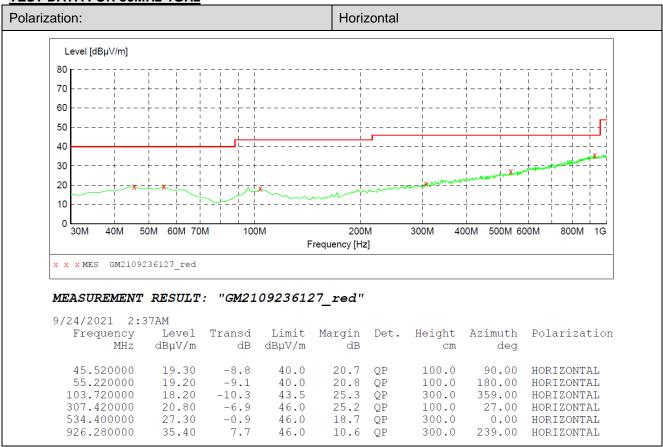
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TEST Data

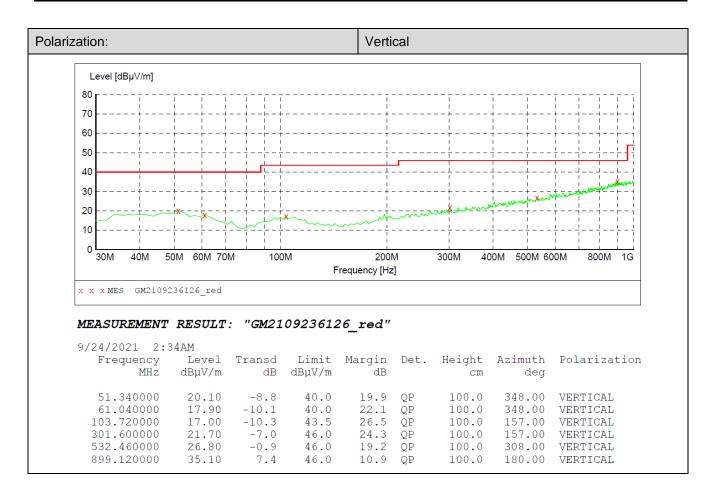
TEST DATA FOR 9 kHz ~ 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

TEST DATA FOR 30MHz-1GHz



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Remark:

Transd=Cable lose+ Antenna factor- Pre-amplifier; Margin=Limit -Level

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TEST DATA FOR Above 1GHz

Band: I			Worst mode	: 802.11a	Test	channel: CH	L
Frequency (MHz)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Factor (dB)	Test value	Polarization
2457	23. 67	21. 43	74	52. 57	-2.24	Vertical	Peak
4663. 0625	27. 95	34. 1	74	39. 9	6. 15	Vertical	Peak
7381. 7188	28. 44	43.75	74	30. 25	15. 31	Vertical	Peak
9628. 9063	30. 46	47. 58	74	26. 42	17. 12	Vertical	Peak
1298. 1563	22. 32	16. 75	74	57. 25	-5. 57	Horizontal	Peak
4182. 7813	28. 12	31.84	74	42. 16	3.72	Horizontal	Peak
7170. 2188	27. 08	41.9	74	32. 1	14.82	Horizontal	Peak
9286. 6875	28. 4	46. 16	74	27.84	17. 76	Horizontal	Peak

Band: I			Worst mode	: 802.11a	Test	channel: CH	M
Frequency (MHz)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Factor (dB)	Test value	Polarization
1248. 2188	23. 07	17. 37	74	56. 63	-5. 7	Vertical	Peak
4156. 3438	27. 19	30. 76	74	43. 24	3. 57	Vertical	Peak
6761. 9063	29. 11	42. 41	74	31. 59	13.3	Vertical	Peak
9082. 5313	28. 72	45. 41	74	28. 59	16. 69	Vertical	Peak
1449. 4375	20. 93	15. 33	74	58. 67	-5.6	Horizontal	Peak
4560. 25	27.01	32. 61	74	41. 39	5. 6	Horizontal	Peak
6231. 6875	27. 29	38. 21	74	35. 79	10. 92	Horizontal	Peak
9054. 625	29. 09	45.8	74	28. 2	16. 71	Horizontal	Peak
Band: I			Worst mode	: 802.11a	Test	channel: CH	Н
Frequency (MHz)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Factor (dB)	Test value	Polarization
1417. 125	21.67	16. 08	74	57. 92	-5.59	Vertical	Peak
2222	23. 37	20. 54	74	53. 46	-2.83	Vertical	Peak
5185. 9375	26.85	35.8	74	38. 2	8. 95	Vertical	Peak
9101.625	29. 46	46. 13	74	27.87	16. 67	Vertical	Peak
1245. 2813	21. 93	16. 22	74	57. 78	-5. 71	Horizontal	Peak
2166. 1875	22. 31	18. 99	74	55. 01	-3.32	Horizontal	Peak
5185. 9375	27. 19	36. 14	74	37. 86	8. 95	Horizontal	Peak
8994. 4063	28. 02	44. 73	74	29. 27	16. 71	Horizontal	Peak

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. Measuring frequencies from 1 GHz to 40GHz.
- 4. Test 802.11a, 802.11n, 802.11ac mode, all modulations have been tested, only worst case is reported

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Band: IV			Worst mode	: 802.11a	Test	channel: CH	L
Frequency (MHz)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Factor (dB)	Test value	Polarization
1383. 3438	21. 52	15. 94	74	58.06	-5. 58	Vertical	Peak
4106. 4063	26.65	29. 94	74	44.06	3. 29	Vertical	Peak
7941. 3125	28. 14	44. 4	74	29.6	16. 26	Vertical	Peak
9671.5	29.65	46.81	74	27. 19	17. 16	Vertical	Peak
1815. 1563	22. 2	16. 4	74	57.6	-5.8	Horizontal	Peak
4005. 0625	27.83	30. 86	74	43. 14	3. 03	Horizontal	Peak
6427. 0313	27. 14	38. 76	74	35. 24	11.62	Horizontal	Peak
8105. 8125	29. 36	45. 68	74	28. 32	16. 32	Horizontal	Peak

Band: IV			Worst mode	: 802.11a	Test	Test channel: CH _M			
Frequency (MHz)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Factor (dB)	Test value	Polarization		
1361. 3125	22.11	16. 53	74	57. 47	-5. 58	Vertical	Peak		
2266. 0625	21.89	19. 34	74	54.66	-2.55	Vertical	Peak		
4666	26.04	32. 21	74	41. 79	6. 17	Vertical	Peak		
8029. 4375	27.9	44. 13	74	29.87	16. 23	Vertical	Peak		
1265. 8438	22. 58	16. 92	74	57. 08	-5.66	Horizontal	Peak		
3182. 5625	29. 92	30. 67	74	43. 33	0.75	Horizontal	Peak		
7145. 25	27. 92	42.6	74	31. 4	14.68	Horizontal	Peak		
9483. 5	28.96	46.86	74	27. 14	17.9	Horizontal	Peak		

Band: IV			Worst mode: 802.11a		Test channel: CH _H		
Frequency (MHz)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Factor (dB)	Test value	Polarization
1198. 2813	23. 12	17. 27	74	56. 73	-5.85	Vertical	Peak
3665. 7813	29.85	31. 39	74	42.61	1. 54	Vertical	Peak
7913. 4063	27.77	44. 06	74	29. 94	16. 29	Vertical	Peak
9323. 4063	28. 55	46. 34	74	27. 66	17. 79	Vertical	Peak
1361. 3125	22. 13	16. 55	74	57. 45	-5. 58	Horizontal	Peak
4746. 7813	26. 76	33. 45	74	40. 55	6. 69	Horizontal	Peak
7521. 25	27.85	43. 36	74	30.64	15. 51	Horizontal	Peak
10919. 9375	28. 02	45. 79	74	28. 21	17. 77	Horizontal	Peak

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. Measuring frequencies from 1 GHz to 40GHz.
- 4. Test 802.11a, 802.11n ,802.11ac mode,all modulations have been tested,only worst case is reported

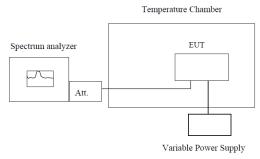
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5.9. Frequency stability

LIMIT

Within Operation Band

TEST CONFIGURATION



Note: Measurement setup for testing on Antenna connector

TEST PROCEDURE

- 1. The equipment under test was connected to an external power supply.
- 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.
- 3. The EUT was placed inside the temperature chamber.
- 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25℃ operating frequency as reference frequency.
- 5. Turn EUT off and set the chamber temperature to −20 °C. After the temperature stabilized for approximately 30 minutes recorded the frequency.
- 6. Repeat step measure with 10℃ increased per stage until the highest temperature of +50℃ reached..

TEST MODE:

Please refer to the clause 4.3

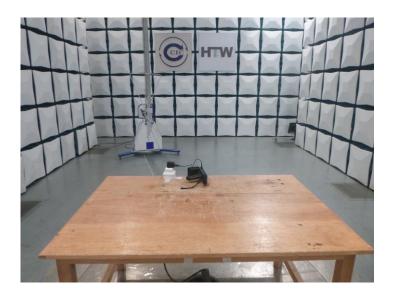
TEST RESULT

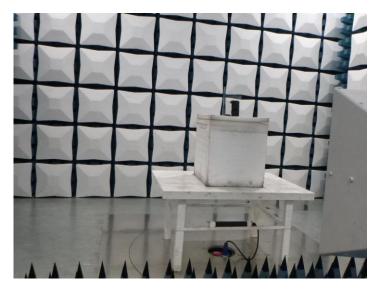
Please refer to appendix F on the appendix report

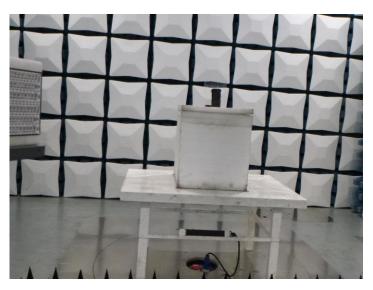
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6. TEST SETUP PHOTOS

Radiated Emission







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AC Conducted Emission



7. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No.: CHTEW21120179

8. APPENDIX REPORT