

TEST REPORT

Applicant: Lightcomm Technology Co., Ltd.

Address of Applicant: UNIT 1306 13/F ARION COMMERCIAL CENTRE,2-12
QUEEN'S ROAD WEST,SHEUNG WAN HK

Manufacturer/Factory: Huizhou Hengdu Electronics Co.,Ltd.

**Address of
Manufacturer/Factory:** No.8 Huitai Road, Huinan High-tech Industrial Park, Huiao
Avenue, Huizhou, Guangdong, China

Equipment Under Test (EUT)

Product Name: Car Entertainment

Model No.: DMX7409XDS, CVS9506W-SG, DMX7412XDS, KW-
M8009F, CVS1533W-SG

FCC ID: XMF-7409K

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: June 25, 2026

Date of Test: June 26, 2026-August 12, 2026

Date of report issued: August 12, 2026

Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	August 12, 2026	Original

Tested By:

Jauch. Cai

Date:

August 12, 2026

Test Engineer

Prepared By:

Jianliu

Date:

August 12, 2026

Project Engineer

Check By:

Robinson

Date:

August 12, 2026

Reviewer

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4 Test Summary

Test Item	Section	Result
Antenna requirement	FCC part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	FCC part 15.207	N/A
Conducted Peak Output Power	FCC part 15.247 (b)(3)	Pass
Channel Bandwidth & 99% OCB	FCC part 15.247 (a)(2)	Pass
Power Spectral Density	FCC part 15.247 (e)	Pass
Band Edge	FCC part 15.247(d)	Pass
Spurious Emission	FCC part 15.205/15.209	Pass

Remark:

1. Test according to ANSI C63.10:2020
2. Pass: The EUT complies with the essential requirements in the standard.
3. N/A: Not applicable, The product is for use in a vehicle and is powered only by a battery.

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	9kHz-30MHz	3.1dB	(1)
Radiated Emission	30MHz-200MHz	3.8039dB	(1)
Radiated Emission	200MHz-1GHz	3.9679dB	(1)
Radiated Emission	1GHz-18GHz	4.29dB	(1)
Radiated Emission	18GHz-40GHz	3.30dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	3.44dB	(1)

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

5 General Information

5.1 General Description of EUT

Product Name:	Car Entertainment
Model No.:	DMX7409XDS, CVS9506W-SG, DMX7412XDS, KW-M8009F, CVS1533W-SG
Test Model No.:	DMX7409XDS
Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The only difference is model name for commercial purpose.	
Test sample(s) ID:	GTS2026060621-1
Sample(s) Status	Engineer sample
S/N:	15100001
Operation Frequency:	802.11b/802.11g/802.11n(HT20): 2412MHz~2462MHz
Channel Numbers:	802.11b/802.11g /802.11n(HT20): 11
Channel Separation:	5MHz
Modulation Technology:	802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n(HT20): Orthogonal Frequency Division Multiplexing (OFDM)
Antenna Type:	Glue stick antenna
Antenna Gain:	6.63dBi(Declared by applicant)
Power Supply:	DC 12V

Disclaimer statement:

1. Antenna gain information provided by the customer, and the laboratory is not responsible for its authenticity.
2. The information in this section is provided by the applicant or manufacturer, GTS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test channel	Frequency (MHz)
	802.11b/802.11g/802.11n(HT20)
Lowest channel	2412MHz
Middle channel	2437MHz
Highest channel	2462MHz

5.2 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode
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We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	802.11b	802.11g	802.11n(HT20)
Data rate	1Mbps	6Mbps	6.5Mbps

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
MEILI	DC POWER SUPPLY	MCH-305A	11121168

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC —Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

- **ISED—Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing.

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.7 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

5.8 Additional Instructions

Test Software	Special test command provided by manufacturer
Power level setup	Default

6 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	Apr. 10, 2026	Apr. 09, 2031
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Apr. 10, 2026	Apr. 09, 2027
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	Apr. 11, 2026	Apr. 10, 2027
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	Apr. 11, 2026	Apr. 10, 2027
6	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	Jul 17, 2026	Jul 16, 2027
7	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov.22, 2025	Nov.21, 2026
8	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	Apr. 10, 2026	Apr. 09, 2027
9	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	Apr. 10, 2026	Apr. 09, 2027
10	Horn Antenna (18GH-40GHz)	Schwarzbeck	BBHA 9170	GTS691	Apr. 11, 2026	Apr. 10, 2027
11	Spectrum analyzer (9kHz-40GHz)	Rohde & Schwarz	FSV40-N	GTS666	Mar. 10, 2026	Mar. 09, 2027
12	Amplifier	/	LNA-1000-30S	GTS650	Apr. 10, 2026	Apr. 09, 2027
13	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS692	Nov. 24, 2025	Nov. 23, 2026
14	Wideband Amplifier	/	WDA-01004000-15P35	GTS602	Apr. 10, 2026	Apr. 09, 2027
15	Thermo meter	JINCHUANG	GSP-8A	GTS643	Apr. 13, 2026	Apr. 12, 2027
16	RE cable 1	GTS	N/A	GTS675	Jul. 17, 2026	Jul. 16, 2027
17	RE cable 2	GTS	N/A	GTS676	Jul. 17, 2026	Jul. 16, 2027
18	RE cable 3	GTS	N/A	GTS677	Jul. 17, 2026	Jul. 16, 2027
19	RE cable 4	GTS	N/A	GTS678	Jul. 17, 2026	Jul. 16, 2027
20	RE cable 5	GTS	N/A	GTS679	Jul. 17, 2026	Jul. 16, 2027
21	RE cable 6	GTS	N/A	GTS680	Jul. 17, 2026	Jul. 16, 2027
22	RE cable 7	GTS	N/A	GTS681	Jul. 22, 2026	Jul. 21, 2027
23	RE cable 8	GTS	N/A	GTS682	Jul. 22, 2026	Jul. 21, 2027
24	CE cable 9	GTS	N/A	GTS683	Jul. 23, 2026	Jul. 22, 2027
25	EMI Test Software	AUDIX	E3-6.100614a	GTS725	N/A	N/A

RF Conducted Test:						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Wireless Connectivity Test Set	Anritsu	MT8862A	SN6272327180	Aug. 26, 2025	Aug. 25, 2026
2	Bluetooth Test Set	Anritsu	MT8852B	SN6262097212	Aug. 26, 2025	Aug. 25, 2026
3	EXA Signal Analyzer	Keysight	N9010B	MY60241168	Aug. 26, 2025	Aug. 25, 2026
4	Vector Signal Generator	Keysight	N5182B	MY61250192	Apr. 16, 2026	Apr. 15, 2027
5	Analog Signal Generator	Keysight	N5171B	MY61252573	Aug. 26, 2025	Aug. 25, 2026
6	RF Control Unit and Power Test Unit	Tonscend	JS0806-2	SN21F8060437	Apr. 16, 2026	Apr. 15, 2027
7	Power Control Unit	Tonscend	JS0806-4ADC	SN21C8060386	N/A	N/A
8	Wideband Radio Communication Tester	R&S	CWM500	GTS569	Aug. 26, 2025	Aug. 25, 2026
9	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	Apr. 10, 2026	Apr. 09, 2027
10	Thermo meter	JINCHUANG	GSP-8A	GTS641	Apr. 14, 2026	Apr. 13, 2027
11	Test Software	Tonscend	JS1120-3 V3.5.39	N/A	N/A	N/A

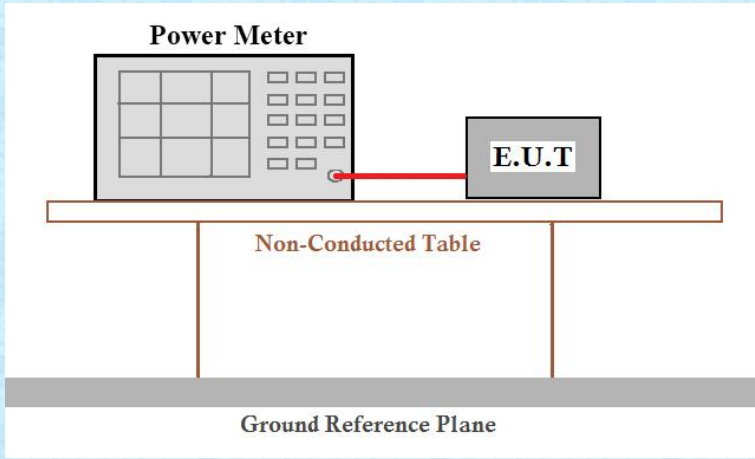
General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Barometer	KUMAO	SF132	GTS647	Jul. 21, 2026	Jul. 20, 2027

7 Test results and Measurement Data

7.1 Antenna requirement

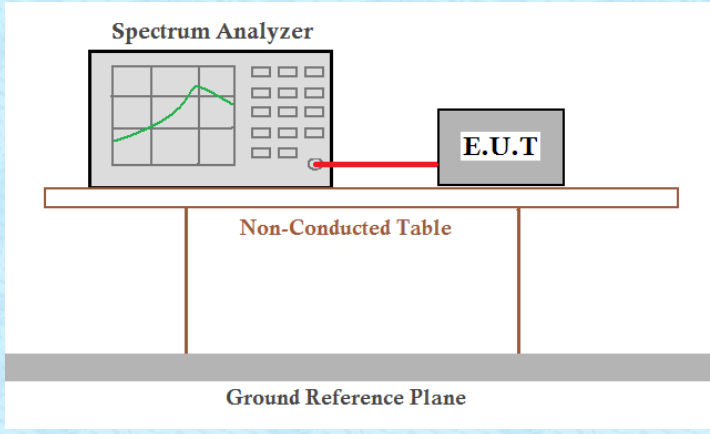
Standard requirement:	FCC Part15 C Section 15.203 /247(c)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique 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.	
15.247(c) (1)(i) requirement: (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 6dBi 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 6dBi.	
EUT Antenna:	
The antenna is glue stick antenna, reference to the appendix II for details	

7.2 Conducted Output Power

Test Requirement :	FCC Part15 C Section 15.247 (b)(3)
Test Method :	KDB558074 D01 15.247 Meas Guidance v05r02
Limit:	30dBm The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
Test setup:	 The diagram illustrates the test setup. A 'Power Meter' is connected to an 'E.U.T' (Equipment Under Test) via a red cable. Both the Power Meter and the E.U.T are placed on a 'Non-Conducted Table'. This table is supported by two vertical legs and sits on a 'Ground Reference Plane'.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

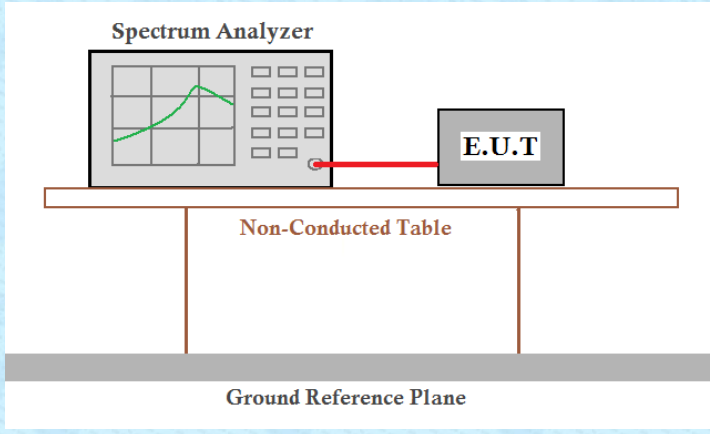
Measurement Data: The detailed test data see Appendix for WIFI 2.4G.

7.3 Channel Bandwidth

Test Requirement :	FCC Part15 C Section 15.247 (a)(2)
Test Method :	KDB558074 D01 15.247 Meas Guidance v05r02
Limit:	>500KHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer, showing a frequency spectrum on its screen, is connected to an Equipment Under Test (E.U.T.) by a red cable. Both the Spectrum Analyzer and the E.U.T. are positioned on a Non-Conducted Table. This table is supported by a Ground Reference Plane, which is represented by a thick grey bar at the bottom of the setup.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for WIFI 2.4G.

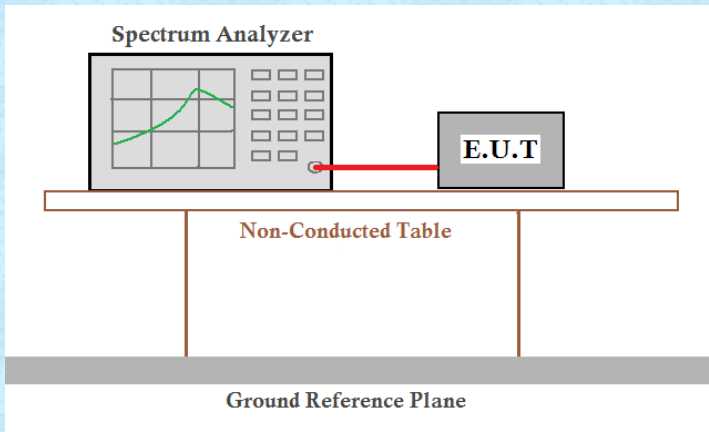
7.4 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02
Limit:	8dBm/3kHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer, showing a frequency spectrum on its screen, is connected to an E.U.T. (Equipment Under Test) by a red cable. Both the Spectrum Analyzer and the E.U.T. are positioned on a Non-Conducted Table. This table is supported by a Ground Reference Plane, which is represented by a thick grey bar at the bottom of the setup.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for WIFI 2.4G.

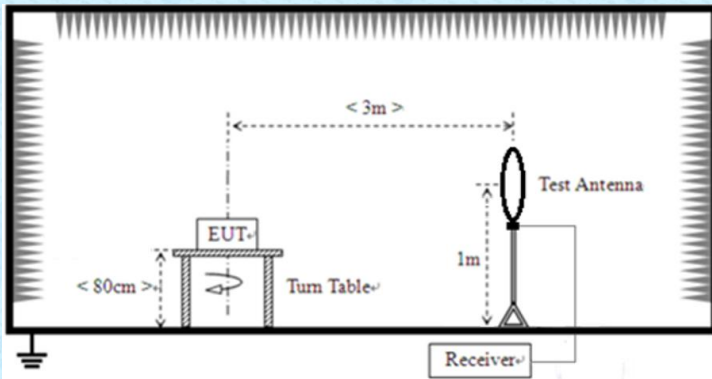
7.5 Spurious Emission in Non-restricted & restricted Bands

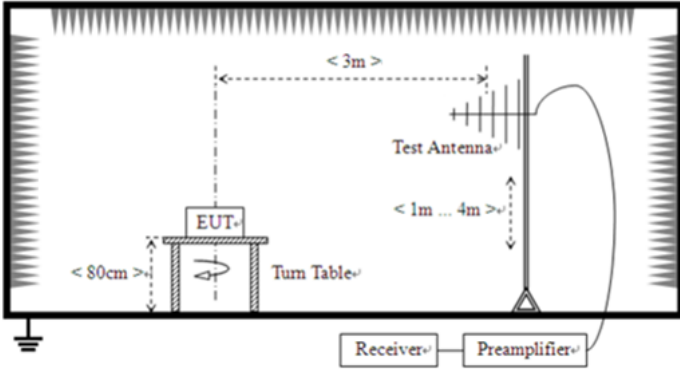
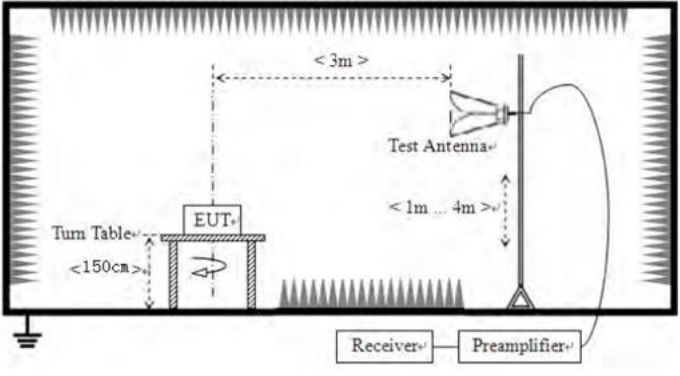
7.5.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02
Limit:	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 30 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 setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for WIFI 2.4G.

7.5.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2020				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
	Note: For Duty cycle ≥ 98%, average detector set as above For Duty cycle < 98%, average detector set as below: VBW ≥ 1 / T				
Limit:	Frequency	Limit (uV/m)	Value	Measurement Distance	
	0.009MHz-0.490MHz	2400/F(KHz)	PK/QP/A V	300m	
	0.490MHz-1.705MHz	24000/F(KHz)	QP	30m	
	1.705MHz-30MHz	30	QP	30m	
	30MHz-88MHz	100	QP	3m	
	88MHz-216MHz	150	QP		
	216MHz-960MHz	200	QP		
	960MHz-1GHz	500	QP		
	Above 1GHz	500	Average		
		5000	Peak		
Test setup:	For radiated emissions from 9kHz to 30MHz				
					
For radiated emissions from 30MHz to1GHz					

	 For radiated emissions above 1GHz 
Test Procedure:	1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details

Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test voltage:	DC 12V					
Test results:	Pass					

Remarks:

1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

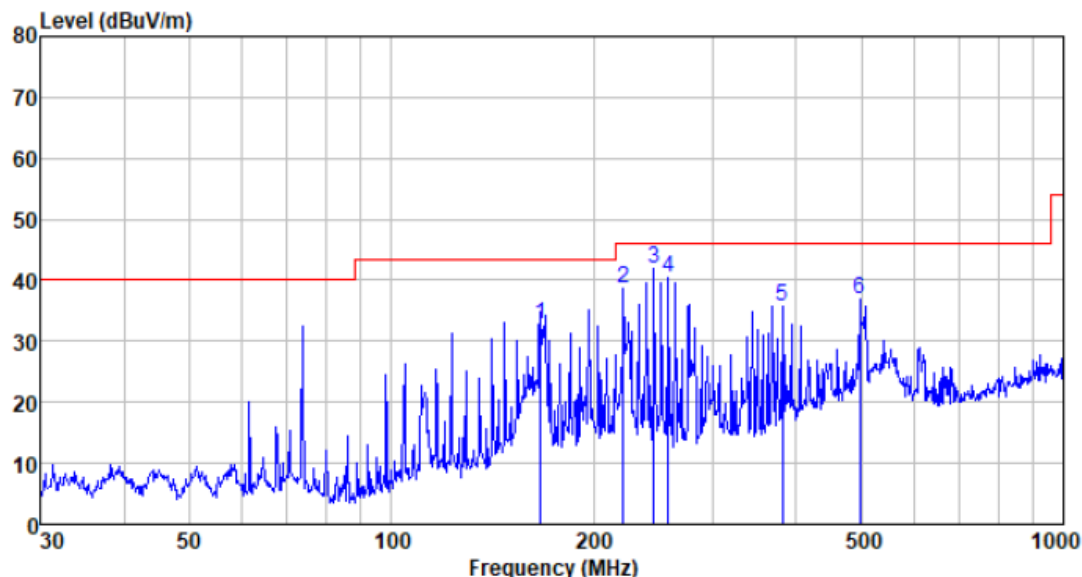
Measurement data:**■ 9kHz~30MHz**

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

■ Below 1GHz

Pre-scan all test modes, found worst case at 802.11g 2412MHz, and so only show the test result of it.

Horizontal:

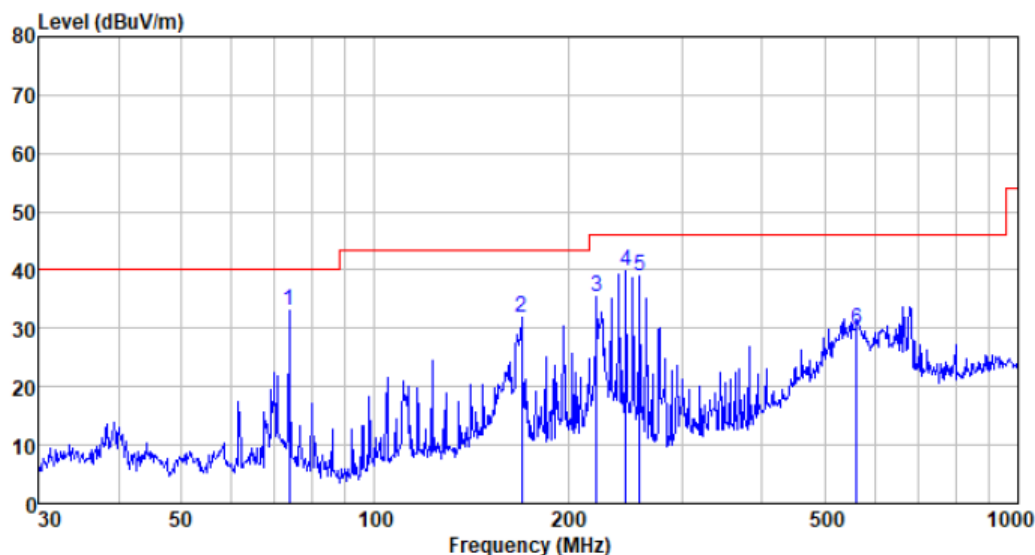


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
166.651	50.21	13.07	2.57	33.15	32.70	43.50	-10.80	QP
221.392	58.31	10.57	2.98	33.05	38.81	46.00	-7.19	QP
245.951	60.30	11.54	3.18	33.00	42.02	46.00	-3.98	QP
258.326	58.40	11.77	3.27	32.97	40.47	46.00	-5.53	QP
381.249	49.58	14.98	4.04	32.81	35.79	46.00	-10.21	QP
497.677	48.00	17.15	4.57	32.70	37.02	46.00	-8.98	QP

Remarks:

Final level(dBuV/m) = Reading level(dBuV) + Antenna factor(dB/m) + Cable loss(dB) - Preamp Factor(dB)

Vertical:



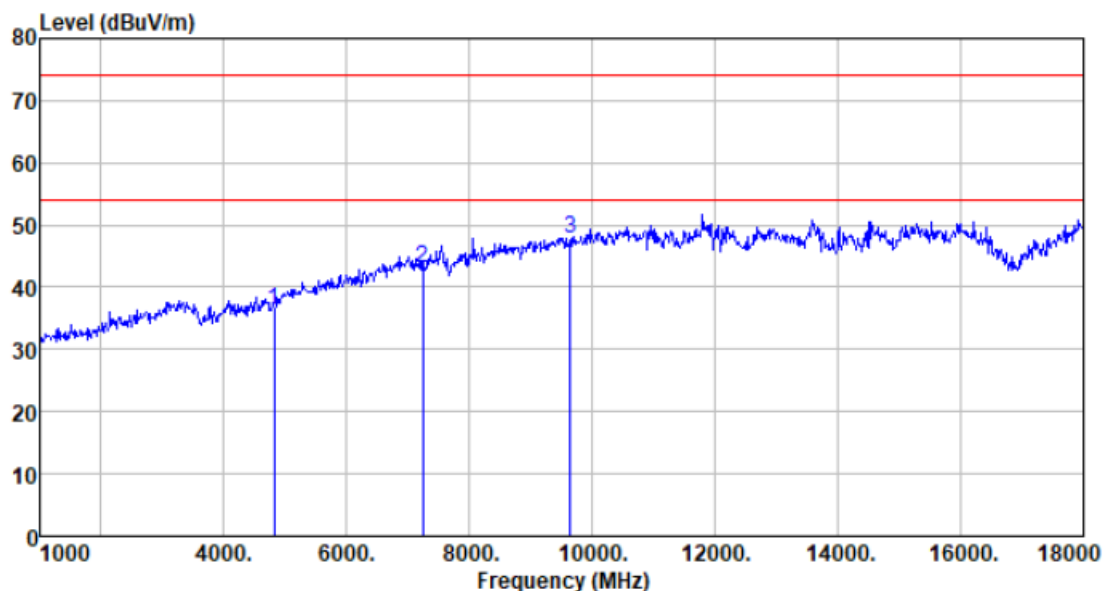
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
73.617	54.65	9.94	1.76	33.34	33.01	40.00	-6.99	QP
169.005	49.52	13.00	2.59	33.15	31.96	43.50	-11.54	QP
221.392	54.91	10.57	2.98	33.05	35.41	46.00	-10.59	QP
245.951	58.21	11.54	3.18	33.00	39.93	46.00	-6.07	QP
258.326	57.04	11.77	3.27	32.97	39.11	46.00	-6.89	QP
560.693	39.15	18.21	4.89	32.53	29.72	46.00	-16.28	QP

Remarks:

Final level(dBuV/m) = Reading level(dBuV) + Antenna factor(dB/m) + Cable loss(dB) - Preamp Factor(dB)

- Above 1GHz
- Unwanted Emissions in non-restricted Frequency Bands
- Only the worst case 802.11n(HT20) report

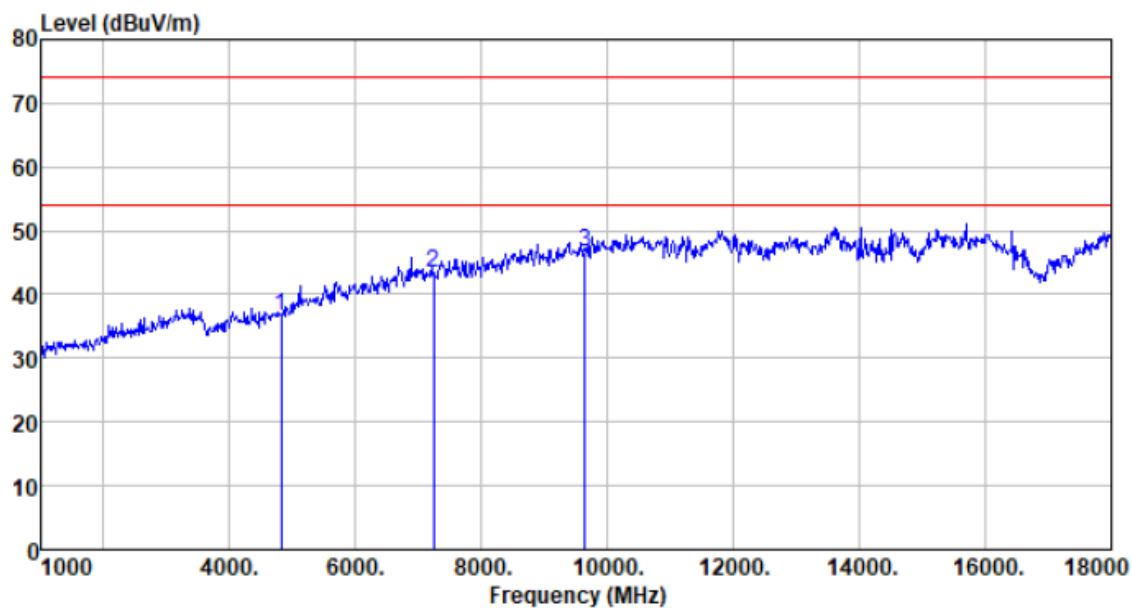
Test mode:	802.11n(HT20)	Test channel:	Lowest	Polarization:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	36.38	32.34	5.58	38.01	36.29	74.00	-37.71	Peak
7236.000	37.34	36.47	7.19	37.99	43.01	74.00	-30.99	Peak
9648.000	39.71	38.20	9.09	39.19	47.81	74.00	-26.19	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

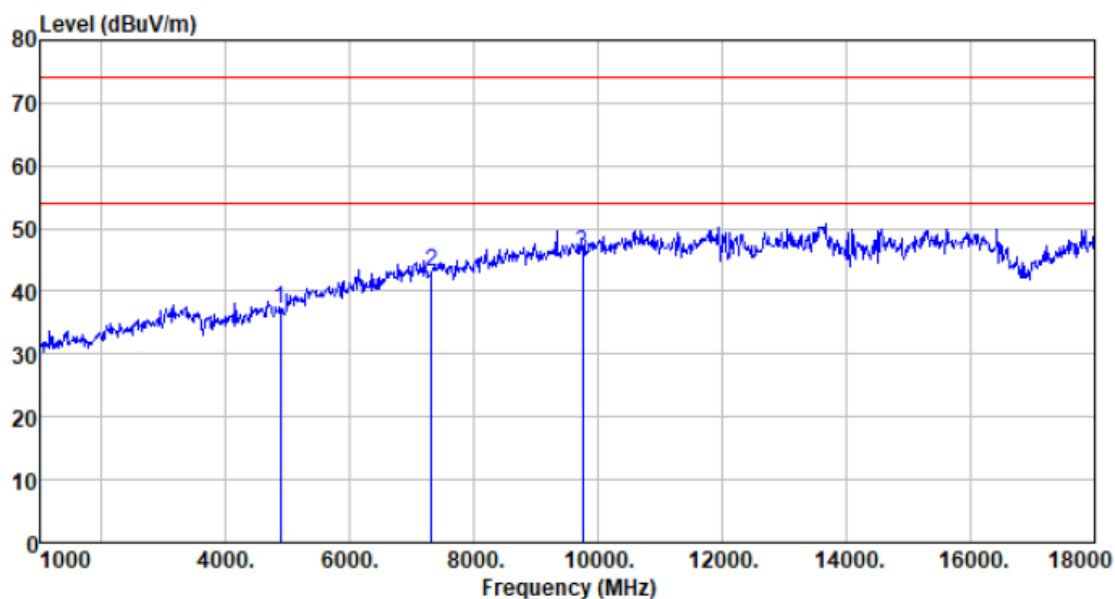
Test mode:	802.11n(HT20)	Test channel:	Lowest	Polarization:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	36.59	32.34	5.58	38.01	36.50	74.00	-37.50	Peak
7236.000	37.66	36.47	7.19	37.99	43.33	74.00	-30.67	Peak
9648.000	38.41	38.20	9.09	39.19	46.51	74.00	-27.49	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

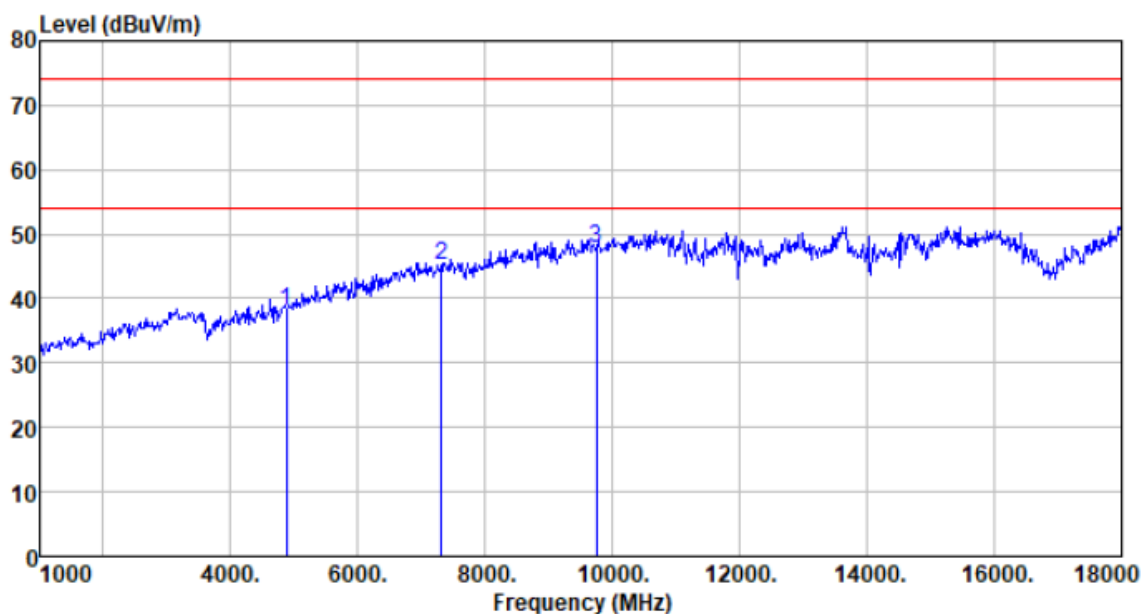
Test mode:	802.11n(HT20)	Test channel:	Middle	Polarization:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	37.05	32.55	5.65	37.98	37.27	74.00	-36.73	Peak
7311.000	37.26	36.62	7.25	38.05	43.08	74.00	-30.92	Peak
9748.000	37.79	38.30	9.16	39.22	46.03	74.00	-27.97	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

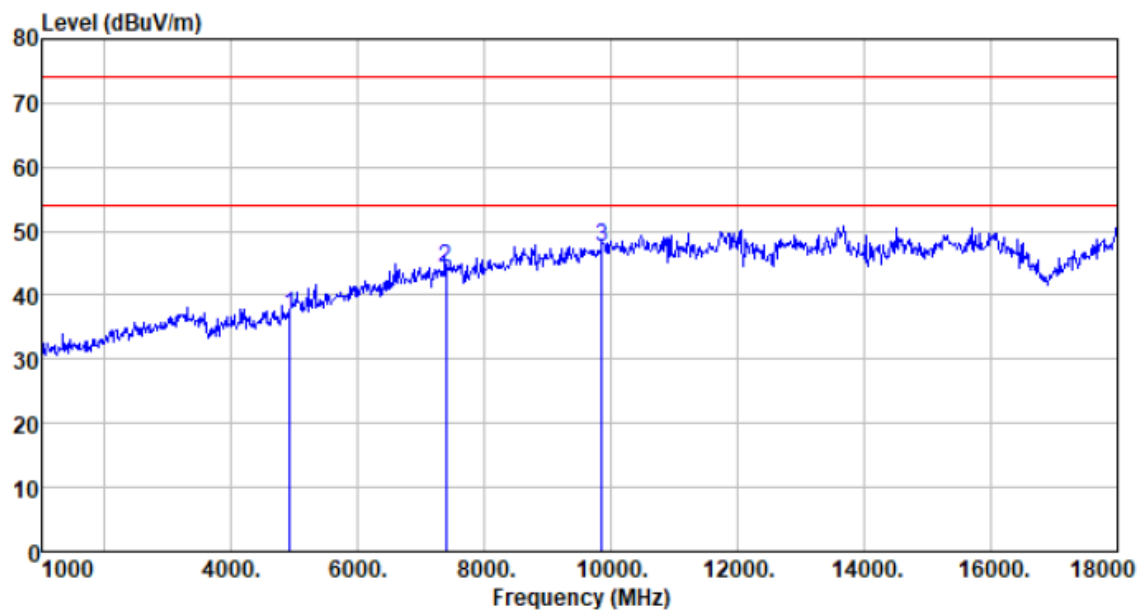
Test mode:	802.11n(HT20)	Test channel:	Middle	Polarization:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	37.74	32.55	5.65	37.98	37.96	74.00	-36.04	Peak
7311.000	39.48	36.62	7.25	38.05	45.30	74.00	-28.70	Peak
9748.000	39.57	38.30	9.16	39.22	47.81	74.00	-26.19	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

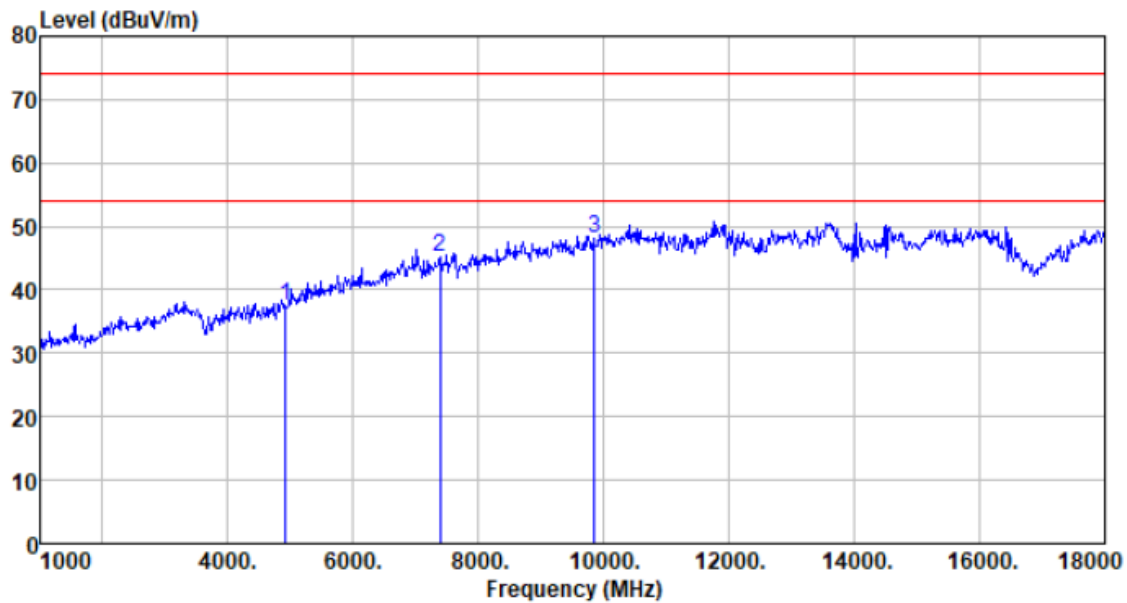
Test mode:	802.11n(HT20)	Test channel:	Highest	Polarization:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	36.60	32.65	5.72	37.95	37.02	74.00	-36.98	Peak
7386.000	38.58	36.63	7.32	38.11	44.42	74.00	-29.58	Peak
9848.000	39.24	38.40	9.22	39.25	47.61	74.00	-26.39	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

Test mode:	802.11n(HT20)	Test channel:	Highest	Polarization:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	36.96	32.65	5.72	37.95	37.38	74.00	-36.62	Peak
7386.000	39.20	36.63	7.32	38.11	45.04	74.00	-28.96	Peak
9848.000	39.66	38.40	9.22	39.25	48.03	74.00	-25.97	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

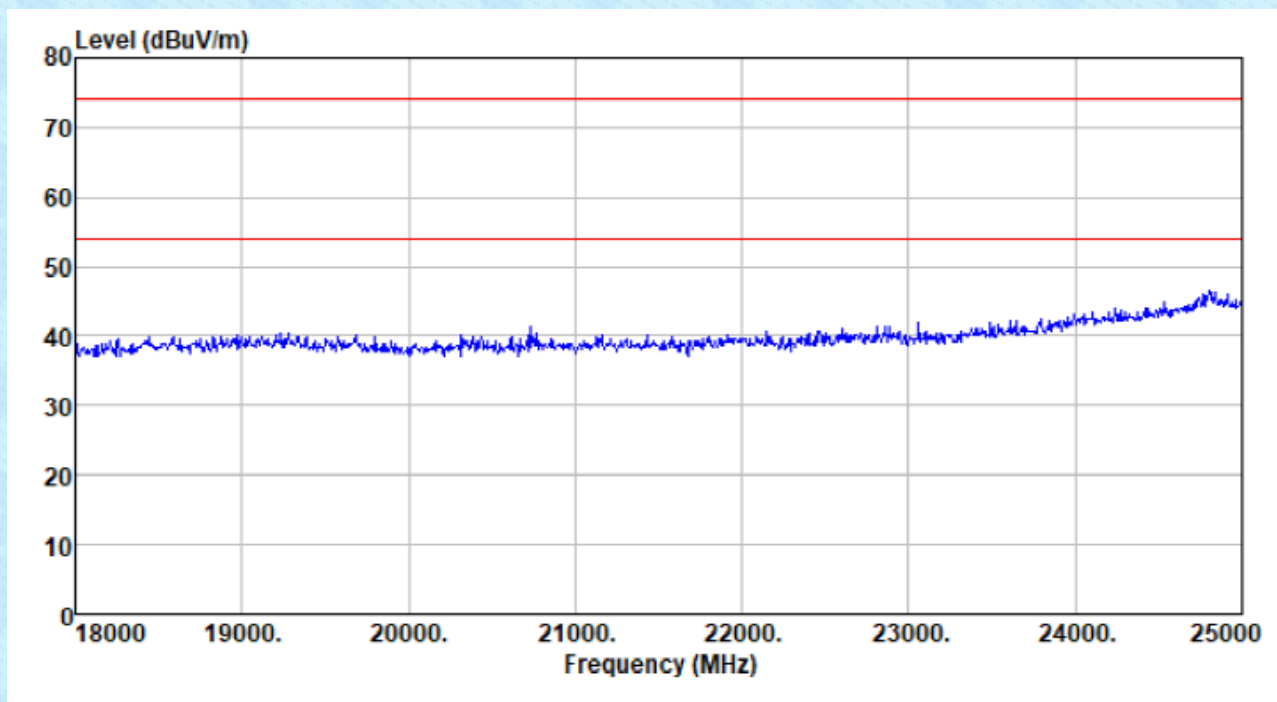
Notes:

1. The emission levels of other frequencies are very lower than the limit and not show in test report.

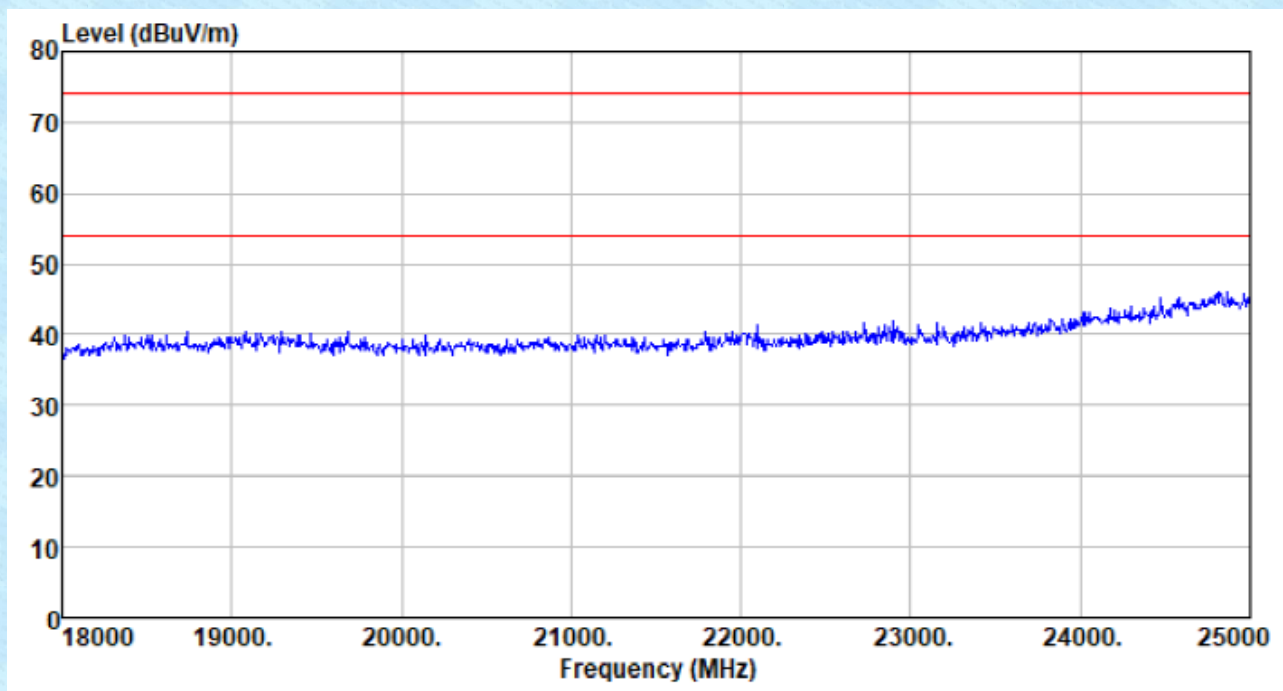
Above 18GHz

Pre-scan all test modes, found worst case at 802.11g 2412MHz, and so only show the test result of it.

Test channel:	Highest	polarization	Horizontal
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Test channel:	Highest	polarization	Vertical
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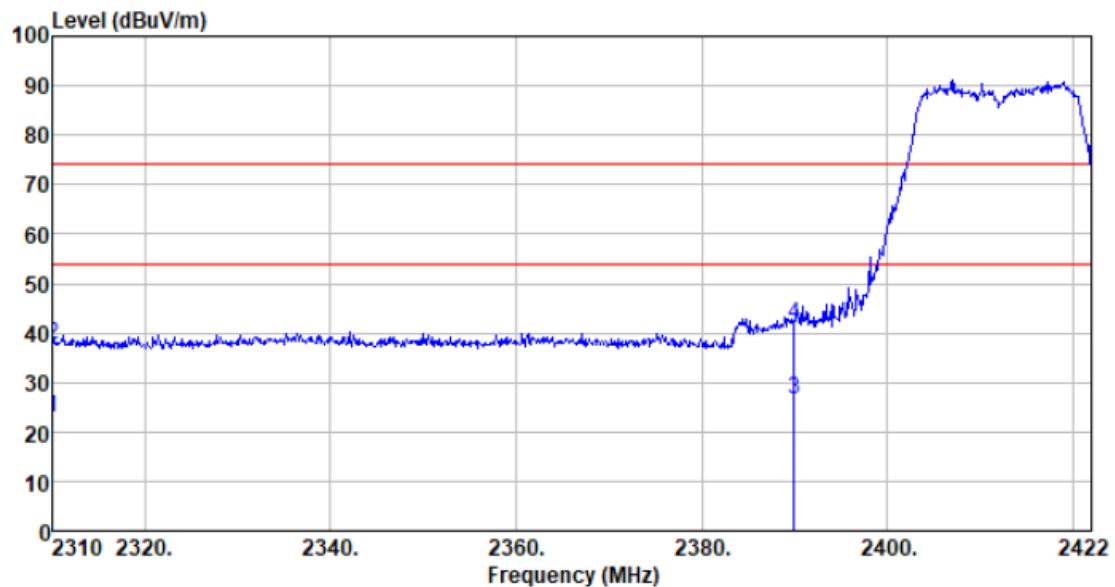
Notes:

1. The emission levels of other frequencies are very lower than the limit and not show in test report.

■ Unwanted Emissions in restricted Frequency Bands

■ Only the worst case 802.11n(HT20) report

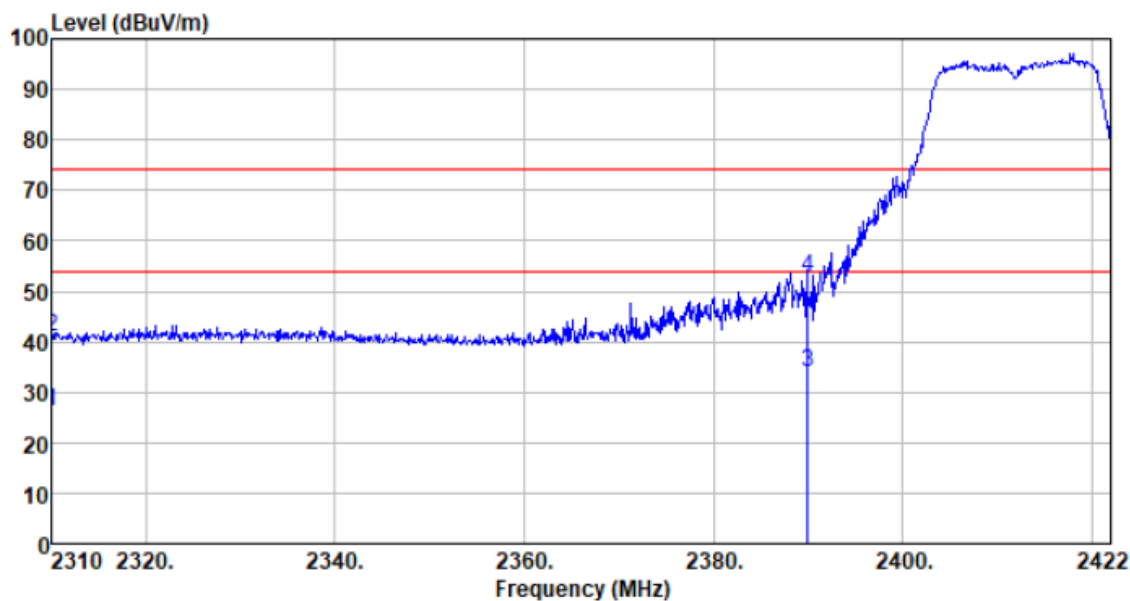
Test mode:	802.11n(HT20)	Test channel:	Lowest	Polarization:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	30.89	26.66	4.09	38.86	22.78	54.00	-31.22	Average
2310.000	45.87	26.66	4.09	38.86	37.76	74.00	-36.24	Peak
2390.000	34.81	26.62	4.11	38.88	26.66	54.00	-27.34	Average
2390.000	49.93	26.62	4.11	38.88	41.78	74.00	-32.22	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

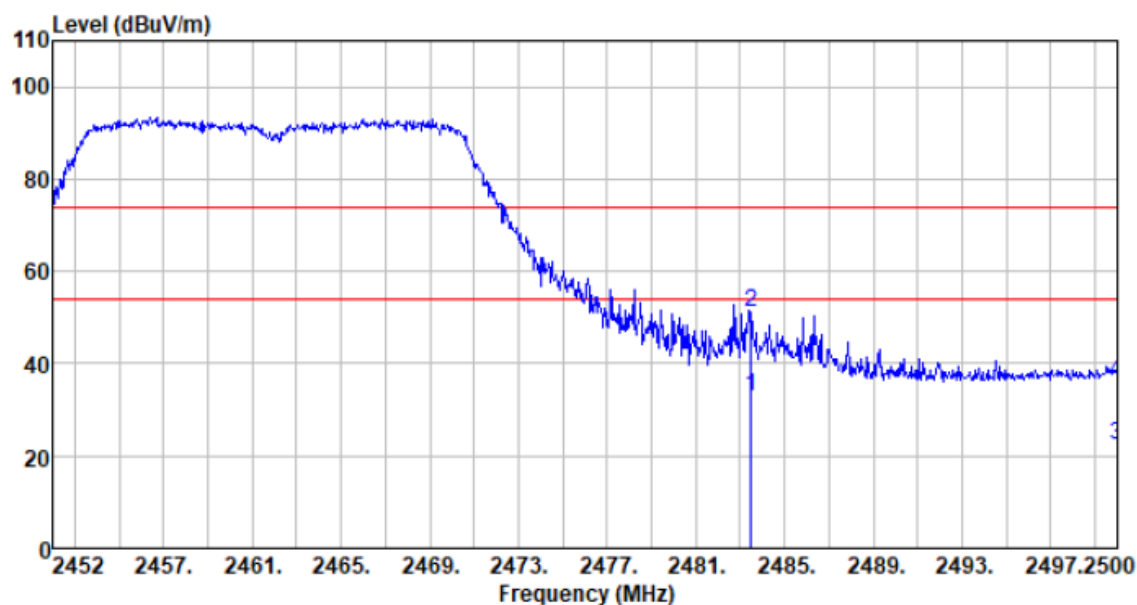
Test mode:	802.11n(HT20)	Test channel:	Lowest	Polarization:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	32.82	28.05	4.09	38.86	26.10	54.00	-27.90	Average
2310.000	47.67	28.05	4.09	38.86	40.95	74.00	-33.05	Peak
2390.000	41.67	27.03	4.11	38.88	33.93	54.00	-20.07	Average
2390.000	60.48	27.03	4.11	38.88	52.74	74.00	-21.26	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

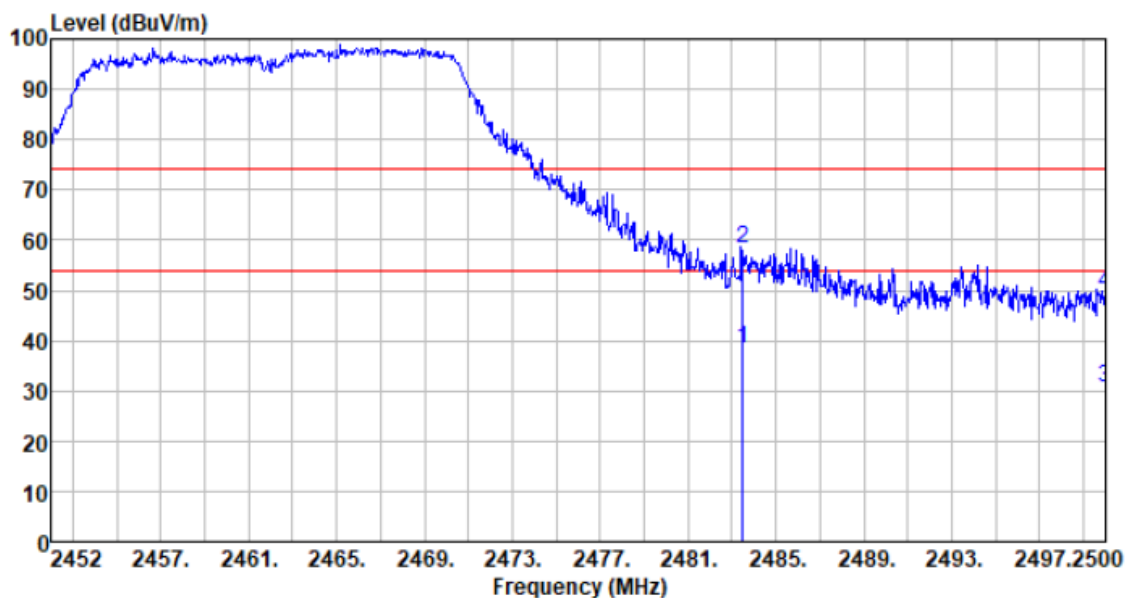
Test mode:	802.11n(HT20)	Test channel:	Highest	Polarization:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.488	40.86	26.78	4.13	38.90	32.87	54.00	-21.13	Average
2483.488	58.97	26.78	4.13	38.90	50.98	74.00	-23.02	Peak
2500.000	30.60	26.48	4.14	38.90	22.32	54.00	-31.68	Average
2500.000	44.49	26.48	4.14	38.90	36.21	74.00	-37.79	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

Test mode:	802.11n(HT20)	Test channel:	Highest	Polarization:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	44.97	28.22	4.13	38.90	38.42	54.00	-15.58	Average
2483.500	64.83	28.22	4.13	38.90	58.28	74.00	-15.72	Peak
2500.000	36.67	28.63	4.14	38.90	30.54	54.00	-23.46	Average
2500.000	55.42	28.63	4.14	38.90	49.29	74.00	-24.71	Peak

Remarks: level = Reading level + Antenna factor + Cable loss - Preamp Factor

Notes:

1. The emission levels of other frequencies are very lower than the limit and not show in test report.

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

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