

TEST REPORT

FCC Information:

Applicant: SureFlap Ltd

Address of Applicant: Ground Floor, Building 2030, Cambourne Business Park,
Cambourne Cambridgeshire CB23 6DW UNITED KINGDOM

Manufacturer: SureFlap Ltd

Address of Manufacturer: Ground Floor, Building 2030, Cambourne Business Park,
Cambourne Cambridgeshire CB23 6DW UNITED KINGDOM

IC Information:

Applicant: SureFlap Ltd

Address of Applicant: Ground floor Unit 2030, Cambourne Business Park
Cambourne Cambridgeshire CB23 6DW United Kingdom
Of Great Britain And Northern Ireland

Manufacturer: SureFlap Ltd

Address of Manufacturer: Ground floor Unit 2030, Cambourne Business Park
Cambourne Cambridgeshire CB23 6DW United Kingdom
Of Great Britain And Northern Ireland

Equipment Under Test (EUT)

Product Name: Animo GPS

Model No.: iGT02

Trade Mark: SURE PETCARE

FCC ID: XO9-IGT02

IC: 8906A-IGT02

Applicable standards: RSS-247 Issue 2
RSS-Gen Issue 5
FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: May 25, 2021

Date of Test: May 26, 2021-August 03, 2021

Date of report issued: August 03, 2021

Test Result : PASS *

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

Authorized Signature:



Robinson Luo

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.



TESTING
NVLAP LAB CODE 600179-0

2 Version

Version No.	Date	Description
00	August 03, 2021	Original

Prepared By:

Tiger Chen

Date:

August 03, 2021

Project Engineer

Check By:

Robinson Luu

Date:

August 03, 2021

Reviewer

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4 Test Summary

Test Item	Section	Result
Antenna requirement	FCC part 15.203/15.247 (c) RSS-Gen Section 8.3	Pass
AC Power Line Conducted Emission	FCC part 15.207 RSS-Gen Section 8.8	Pass
Conducted Peak Output Power	FCC part 15.247 (b)(3) RSS-247 Section 5.4(d)	Pass
Channel Bandwidth & 99% OCB	FCC part 15.247 (a)(2) RSS-247 Section 5.2(a) & 6.7	Pass
Power Spectral Density	FCC part 15.247 (e) RSS-247 Section 5.2(b)	Pass
Band Edge	FCC part 15.247(d) RSS-247 Section 5.5	Pass
Spurious Emission	FCC part 15.205/15.209 RSS-Gen Section 3.3 & 8.9 & 8.10	Pass
Frequency stability	RSS-Gen Section 6.11& Section 8.11	PASS

Remark: Test according to ANSI C63.10:2013 and RSS-Gen

Pass: The EUT complies with the essential requirements in the standard.

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
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:	Animo GPS
Model No.:	iGT02
Serial No.:	L000-0001228
Hardware version:	2.06.00
Software version:	41
Test sample(s) ID:	GTS202105000210-1
Sample(s) Status	Engineer sample
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:	PCB Antenna
Antenna gain:	2.4dBi(declare by applicant)
Power supply:	DC 3.8V, 1.90Wh, 500mAh Li-ion battery

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
Full charged battery is used during all test.	

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

None.

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.

- **IC —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 Industry Canada 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	Software provide 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	July. 02 2020	July. 01 2025
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	June. 24 2021	June. 23 2022
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 24 2021	June. 23 2022
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 24 2021	June. 23 2022
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 24 2021	June. 23 2022
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 24 2021	June. 23 2022
9	Coaxial Cable	GTS	N/A	GTS211	June. 24 2021	June. 23 2022
10	Coaxial cable	GTS	N/A	GTS210	June. 24 2021	June. 23 2022
11	Coaxial Cable	GTS	N/A	GTS212	June. 24 2021	June. 23 2022
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 24 2021	June. 23 2022
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 24 2021	June. 23 2022
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 24 2021	June. 23 2022
15	Band filter	Amindeon	82346	GTS219	June. 24 2021	June. 23 2022
16	Power Meter	Anritsu	ML2495A	GTS540	June. 24 2021	June. 23 2022
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 24 2021	June. 23 2022
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 24 2021	June. 23 2022
19	Splitter	Agilent	11636B	GTS237	June. 24 2021	June. 23 2022
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 24 2021	June. 23 2022
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 18 2020	Oct. 17 2021
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 18 2020	Oct. 17 2021
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 18 2020	Oct. 17 2021
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 24 2021	June. 23 2022

Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.15 2019	May.14 2022
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 24 2021	June. 23 2022
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 24 2021	June. 23 2022
4	ENV216 2-L-V-NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	June. 24 2021	June. 23 2022
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Thermo meter	KTJ	TA328	GTS233	June. 24 2021	June. 23 2022
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	June. 24 2021	June. 23 2022
9	ISN	SCHWARZBECK	NTFM 8158	GTS565	June. 24 2021	June. 23 2022
10	High voltage probe	SCHWARZBECK	TK9420	GTS537	July. 09 2021	July. 08 2022

RF Conducted Test:						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	June. 24 2021	June. 23 2022
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 24 2021	June. 23 2022
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 24 2021	June. 23 2022
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 24 2021	June. 23 2022
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 24 2021	June. 23 2022
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 24 2021	June. 23 2022
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 24 2021	June. 23 2022
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 24 2021	June. 23 2022

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 24 2021	June. 23 2022
2	Barometer	ChangChun	DYM3	GTS255	June. 24 2021	June. 23 2022

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.	
Standard requirement:	RSS-Gen Section 8.3
A transmitter can only be sold or operated with antennas with which it was approved. When a measurement at the antenna connector is used to determine RF output power, the effective gain of the device's antenna shall be stated, based on measurement or on data from the antenna manufacturer. For transmitters of RF output power of 10 milliwatts or less, only the portion of the antenna gain that is in excess of 6 dBi (6 dB above isotropic gain) shall be added to the measured RF output power to demonstrate compliance with the radiated power limits specified in the applicable standard. For transmitters of output power greater than 10 milliwatts, the total antenna gain shall be added to the measured RF output power to demonstrate compliance to the specified radiated power	
EUT Antenna:	
The antenna is PCB antenna, the best case gain of the antenna is 2.4dBi, reference to the appendix II for details	

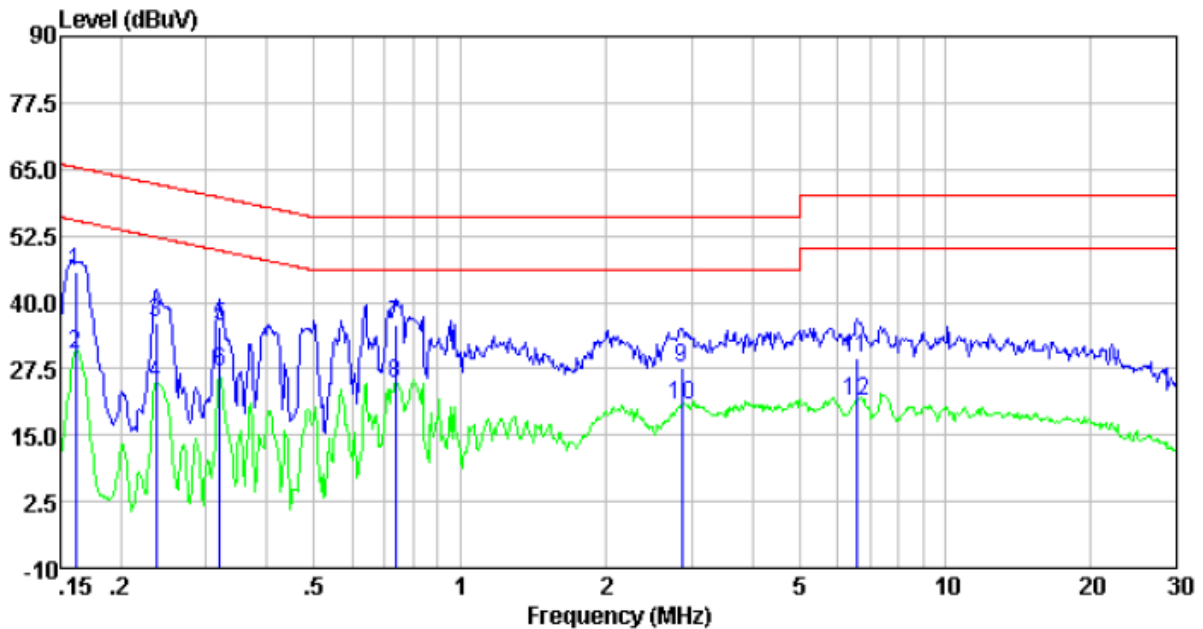
7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207 RSS-Gen Section 8.8						
Test Method:	ANSI C63.10:2013						
Test Frequency Range:	150KHz to 30MHz						
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto						
Limit:	Frequency range (MHz)		Limit (dBuV)				
			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 setup:	Reference Plane LISN AUX Equipment E.U.T 40cm 80cm LISN Filter EMI Receiver AC power Test table/Insulation plane <i>Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</i>						
Test procedure:	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.						
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:	AC 120V, 60Hz						
Test results:	Pass						

Measurement data

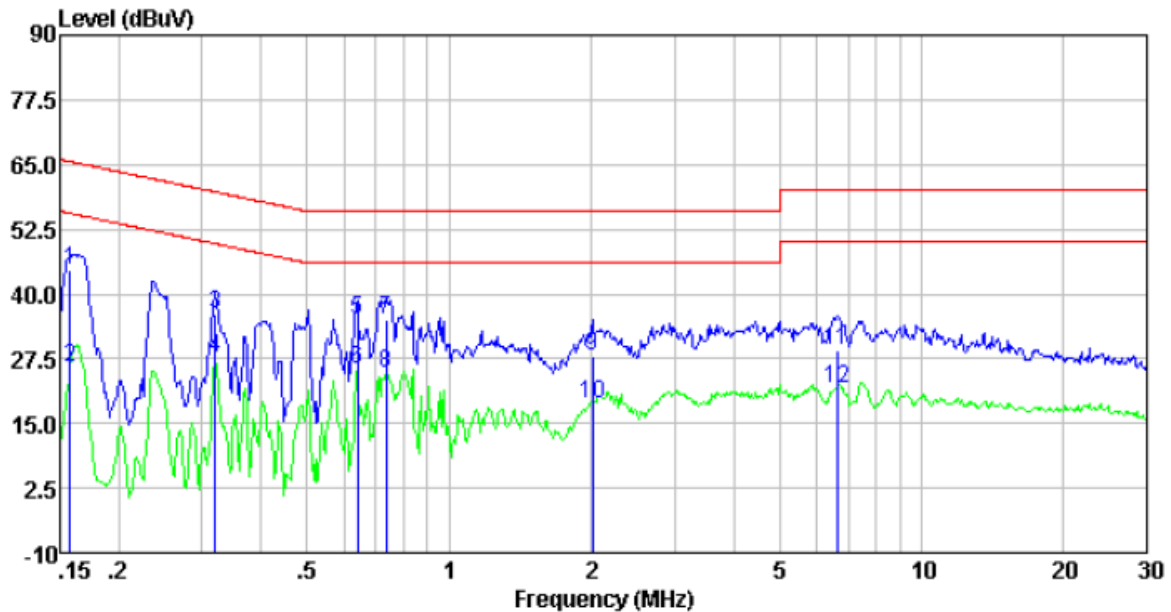
Pre-scan all test modes, found worst case at 802.11n(HT20) 2462MHz, and so only show the test result of 802.11n(HT20) 2462MHz

Line:



Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.16	35.19	10.40	0.01	45.60	65.38	-19.78	QP
0.16	19.98	10.40	0.01	30.39	55.38	-24.99	Average
0.24	25.73	10.40	0.01	36.14	62.22	-26.08	QP
0.24	14.36	10.40	0.01	24.77	52.22	-27.45	Average
0.32	25.11	10.39	0.01	35.51	59.71	-24.20	QP
0.32	16.55	10.39	0.01	26.95	49.71	-22.76	Average
0.74	25.44	10.25	0.02	35.71	56.00	-20.29	QP
0.74	14.30	10.25	0.02	24.57	46.00	-21.43	Average
2.87	17.57	10.20	0.05	27.82	56.00	-28.18	QP
2.87	10.30	10.20	0.05	20.55	46.00	-25.45	Average
6.56	19.10	10.20	0.08	29.38	60.00	-30.62	QP
6.56	11.13	10.20	0.08	21.41	50.00	-28.59	Average

Neutral:

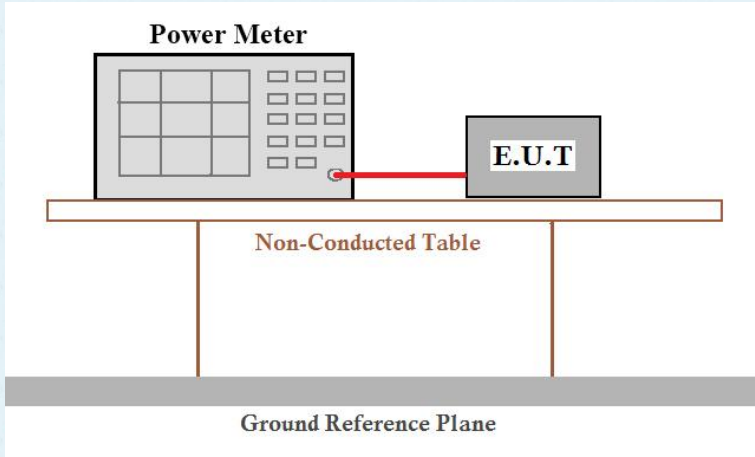


Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.16	34.03	10.40	0.01	44.44	65.60	-21.16	QP
0.16	15.32	10.40	0.01	25.73	55.60	-29.87	Average
0.32	25.82	10.39	0.01	36.22	59.71	-23.49	QP
0.32	17.32	10.39	0.01	27.72	49.71	-21.99	Average
0.64	24.59	10.27	0.02	34.88	56.00	-21.12	QP
0.64	15.27	10.27	0.02	25.56	46.00	-20.44	Average
0.74	24.69	10.25	0.02	34.96	56.00	-21.04	QP
0.74	14.26	10.25	0.02	24.53	46.00	-21.47	Average
2.01	17.81	10.20	0.04	28.05	56.00	-27.95	QP
2.01	8.55	10.20	0.04	18.79	46.00	-27.21	Average
6.63	18.98	10.20	0.08	29.26	60.00	-30.74	QP
6.63	11.62	10.20	0.08	21.90	50.00	-28.10	Average

Notes:

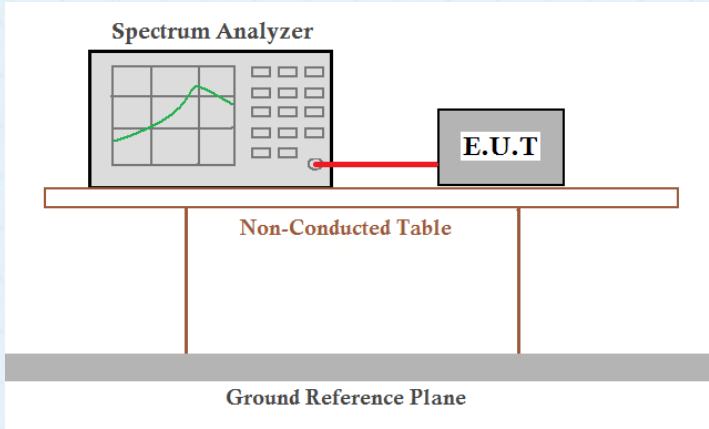
1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss

7.3 Conducted Peak Output Power

Test Requirement :	FCC Part15 C Section 15.247 (b)(3) RSS-247 Section 5.4(d)
Test Method :	KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 and RSS-Gen
FCC Limit:	30dBm
IC Limit:	36dBm(e.i.r.p.)
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. The table is supported by 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

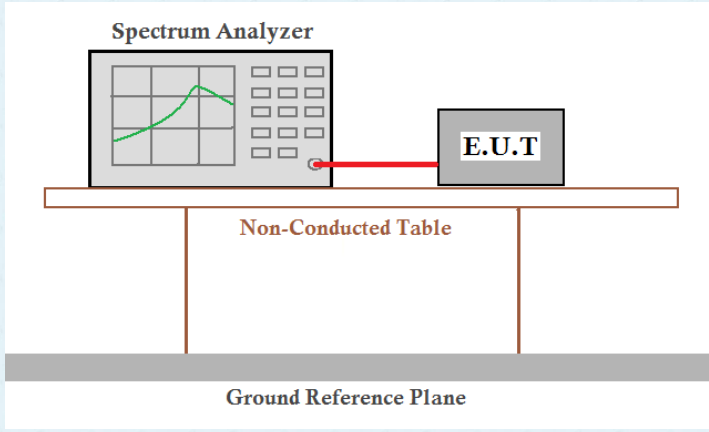
Measurement Data: The detailed test data see Appendix for WIFI 2.4G

7.4 Channel Bandwidth & 99% Occupancy Bandwidth

Test Requirement :	FCC Part15 C Section 15.247 (a)(2) RSS-Gen Section 6.7 & RSS-247 Section 5.2(a)
Test Method :	KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 and RSS-Gen
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

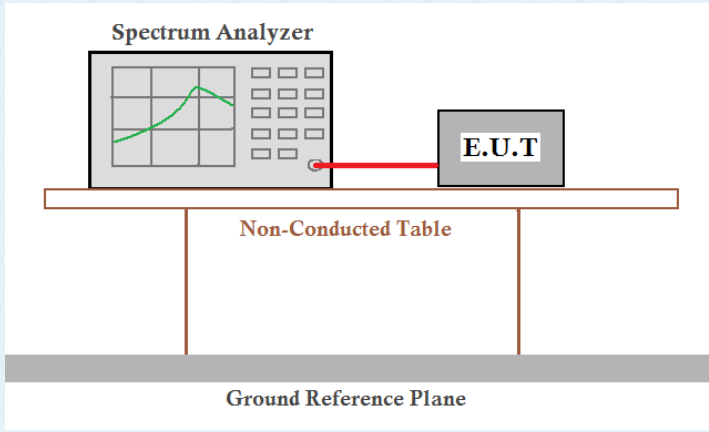
7.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e) RSS-247 Section 5.2(b)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 and RSS-Gen
Limit:	8dBm/3kHz
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 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

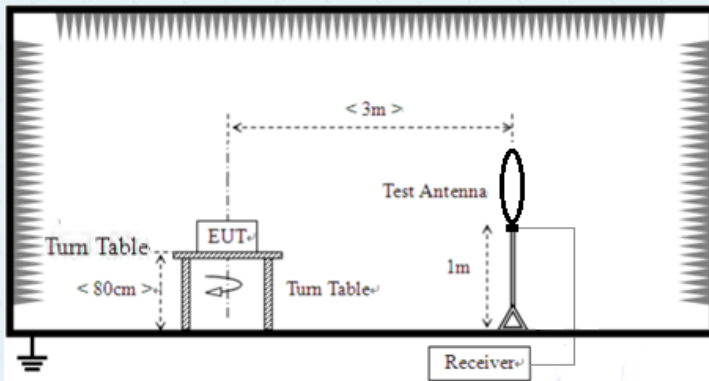
7.6 Spurious Emission in Non-restricted & restricted Bands

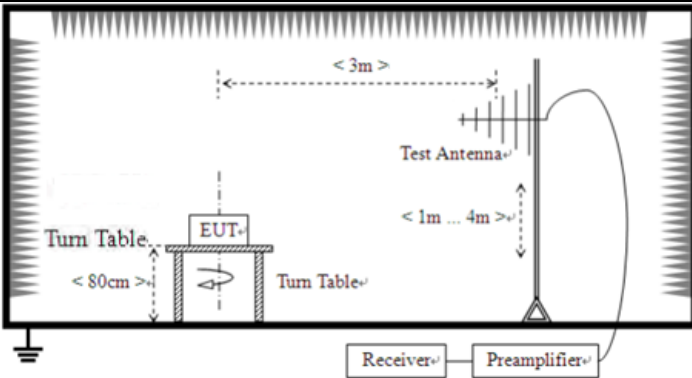
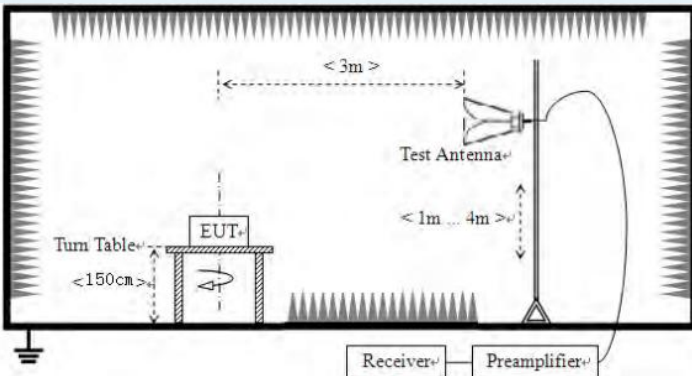
7.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d) RSS-247 Section 5.5
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 & RSS-Gen
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 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 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

7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 RSS-247 Section 3.3 & RSS-Gen Section 8.9				
Test Method:	ANSI C63.10: 2013 & RSS-Gen				
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
Limit:	Frequency	Limit (uV/m)	Value	Measurement Distance	
	0.009MHz-0.490MHz	2400/F(KHz)	QP	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 to 1GHz				

	 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 results:	Pass

Remark:

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:

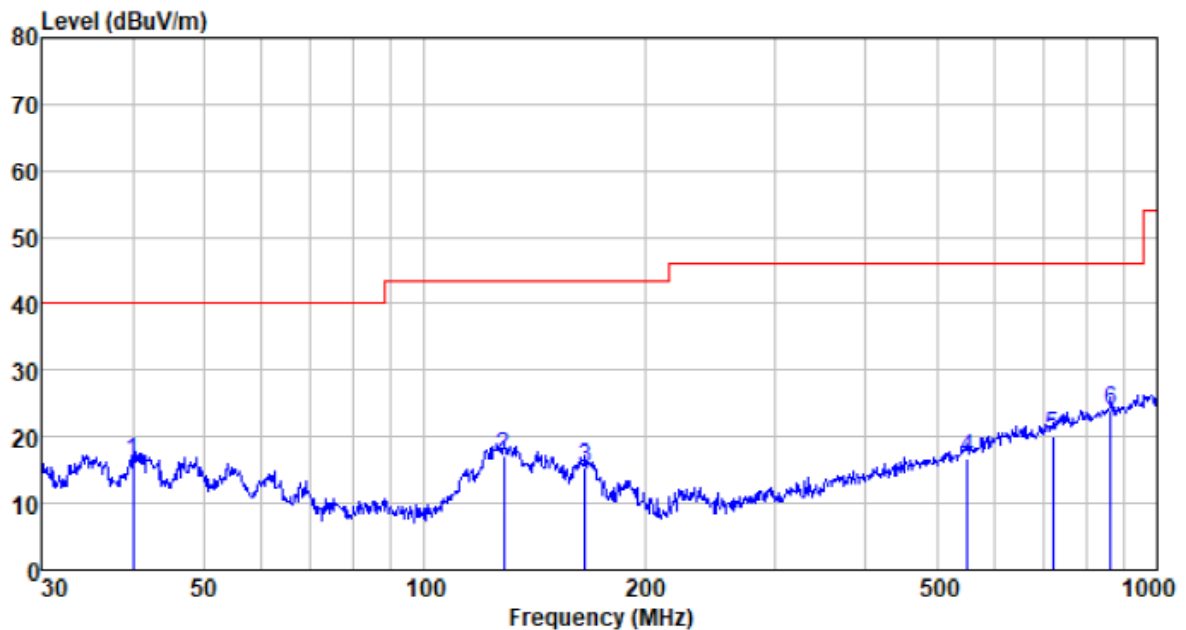
9 kHz ~ 30 MHz

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**

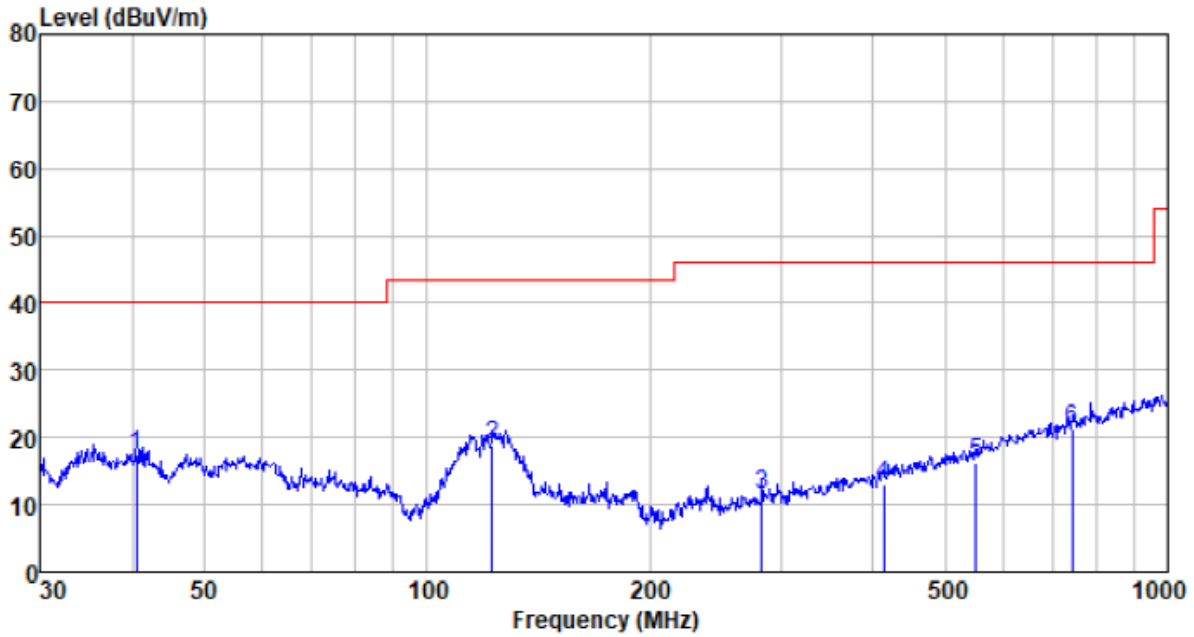
Pre-scan all test modes, found worst case at 802.11n(HT20) 2462MHz, and so only show the test result of 802.11n(HT20) 2462MHz

Horizontal:



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
39.994	37.92	13.26	0.66	35.66	16.18	40.00	-23.82	QP
128.113	41.19	11.51	1.42	36.94	17.18	43.50	-26.32	QP
165.487	38.13	12.59	1.66	37.16	15.22	43.50	-28.28	QP
550.948	32.88	17.94	3.53	37.53	16.82	46.00	-29.18	QP
719.200	32.81	20.84	4.15	37.63	20.17	46.00	-25.83	QP
863.056	34.13	22.68	4.71	37.61	23.91	46.00	-22.09	QP

Vertical:

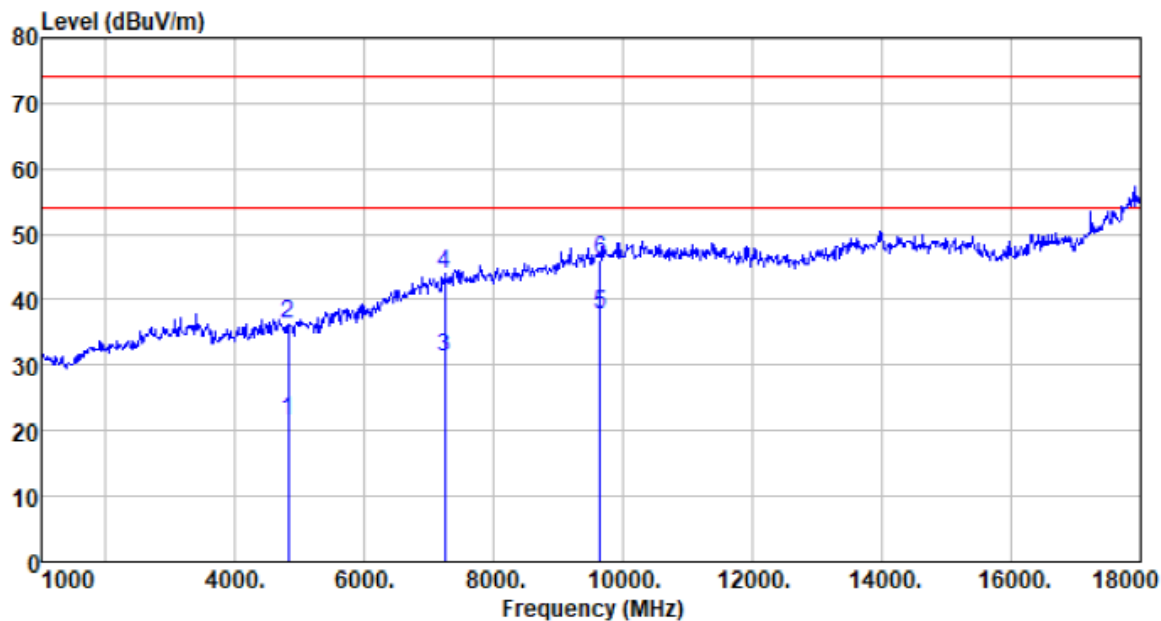


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
40.559	39.16	13.23	0.67	35.70	17.36	40.00	-22.64	QP
122.404	43.42	11.14	1.38	36.90	19.04	43.50	-24.46	QP
282.985	34.71	11.92	2.28	37.41	11.50	46.00	-34.50	QP
413.271	32.66	15.04	2.92	37.52	13.10	46.00	-32.90	QP
550.948	32.27	17.94	3.53	37.53	16.21	46.00	-29.79	QP
742.259	33.36	21.37	4.24	37.63	21.34	46.00	-24.66	QP

Unwanted Emissions in non-restricted Frequency Bands(worst case)

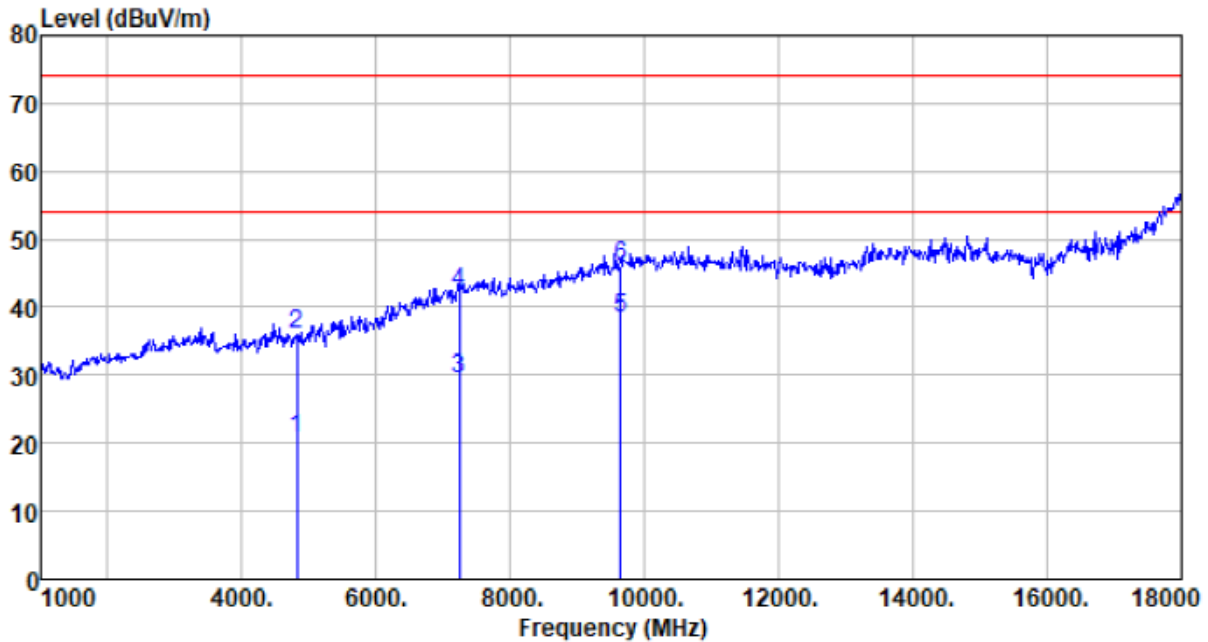
■ Above 1GHz

Test mode:	802.11b	Test channel:	Lowest	Polarization:	Horizontal
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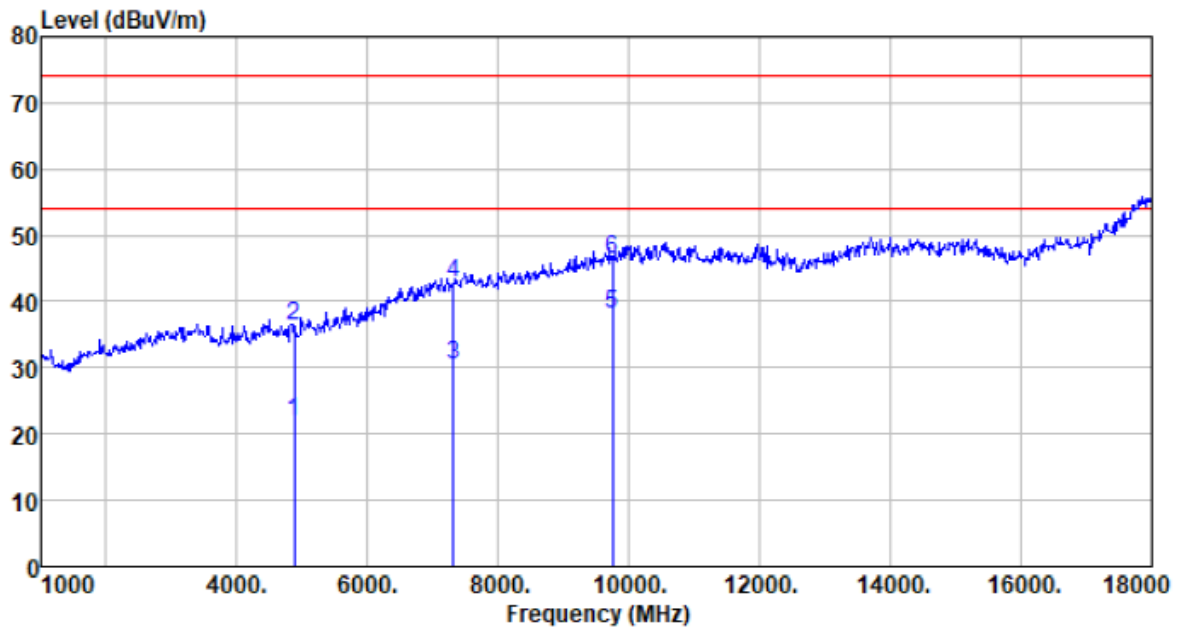
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	23.28	31.22	4.63	37.73	21.40	54.00	-32.60	Average
4824.000	38.19	31.22	4.63	37.73	36.31	74.00	-37.69	Peak
7236.000	24.16	36.25	6.52	35.62	31.31	54.00	-22.69	Average
7236.000	36.72	36.25	6.52	35.62	43.87	74.00	-30.13	Peak
9648.000	26.86	37.97	7.99	34.95	37.87	54.00	-16.13	Average
9648.000	35.12	37.97	7.99	34.95	46.13	74.00	-27.87	Peak

Test mode:	802.11b	Test channel:	Lowest	Polarization:	Vertical
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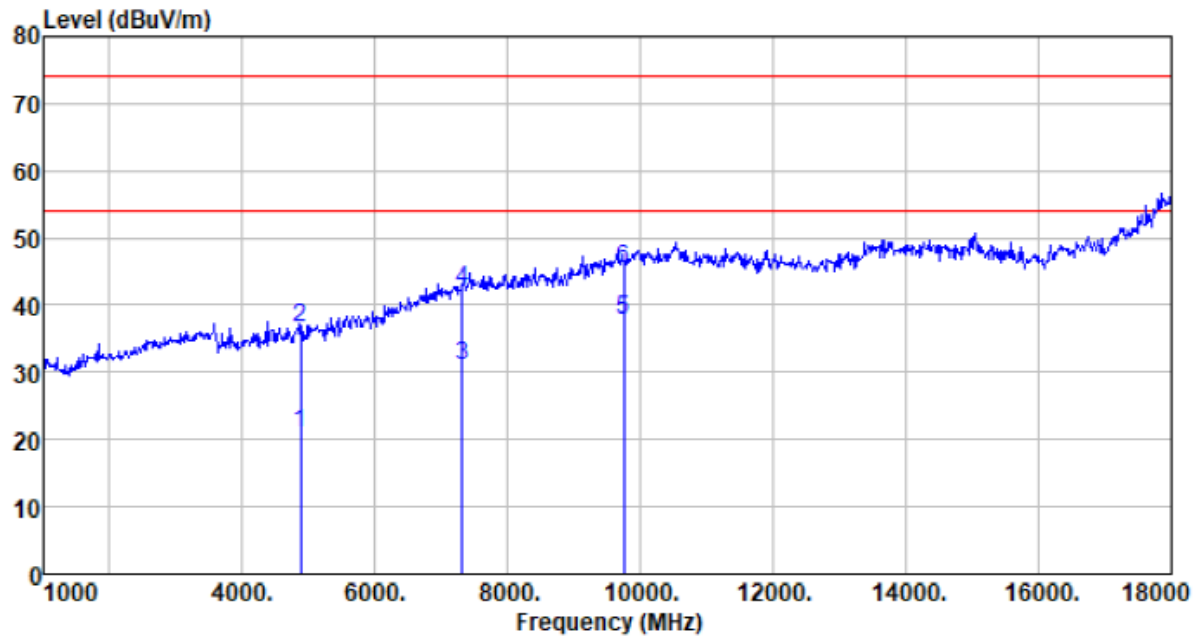
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	22.48	31.22	4.63	37.73	20.60	54.00	-33.40	Average
4824.000	37.84	31.22	4.63	37.73	35.96	74.00	-38.04	Peak
7236.000	22.28	36.25	6.52	35.62	29.43	54.00	-24.57	Average
7236.000	34.99	36.25	6.52	35.62	42.14	74.00	-31.86	Peak
9648.000	27.31	37.97	7.99	34.95	38.32	54.00	-15.68	Average
9648.000	35.14	37.97	7.99	34.95	46.15	74.00	-27.85	Peak

Test mode:	802.11b	Test channel:	Middle	Polarization:	Horizontal
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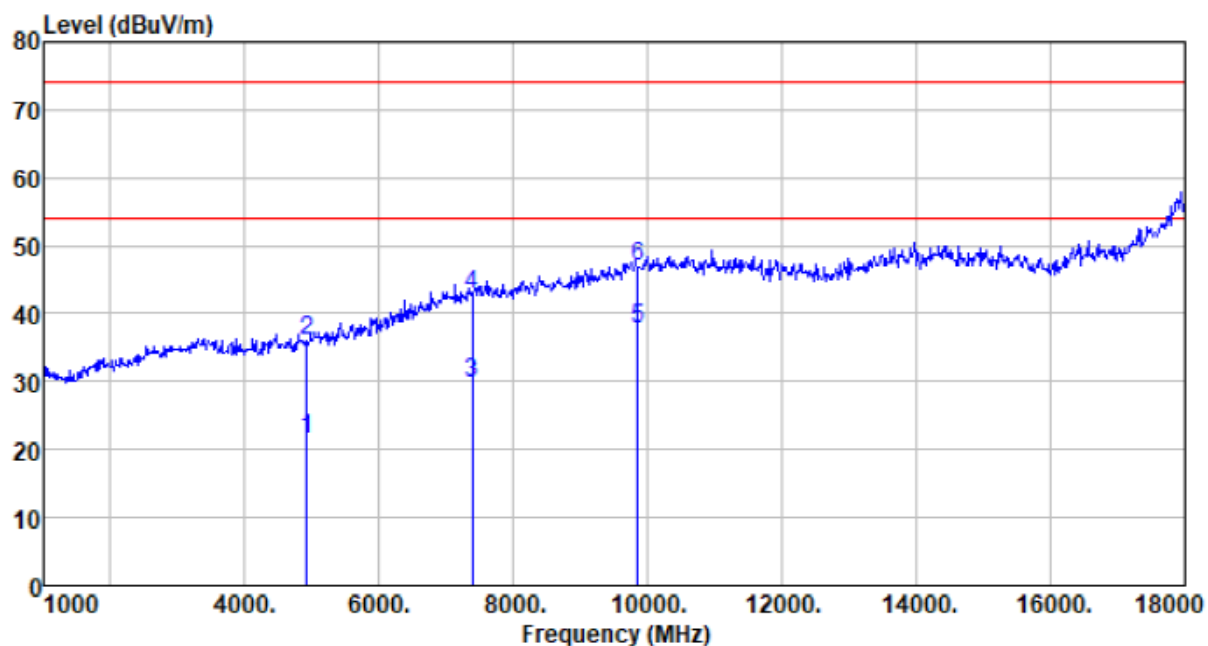
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	23.51	31.31	4.69	37.75	21.76	54.00	-32.24	Average
4874.000	38.09	31.31	4.69	37.75	36.34	74.00	-37.66	Peak
7311.000	23.14	36.39	6.61	35.60	30.54	54.00	-23.46	Average
7311.000	35.44	36.39	6.61	35.60	42.84	74.00	-31.16	Peak
9748.000	26.98	38.10	8.03	35.03	38.08	54.00	-15.92	Average
9748.000	35.27	38.10	8.03	35.03	46.37	74.00	-27.63	Peak

Test mode:	802.11b	Test channel:	Middle	Polarization:	Vertical
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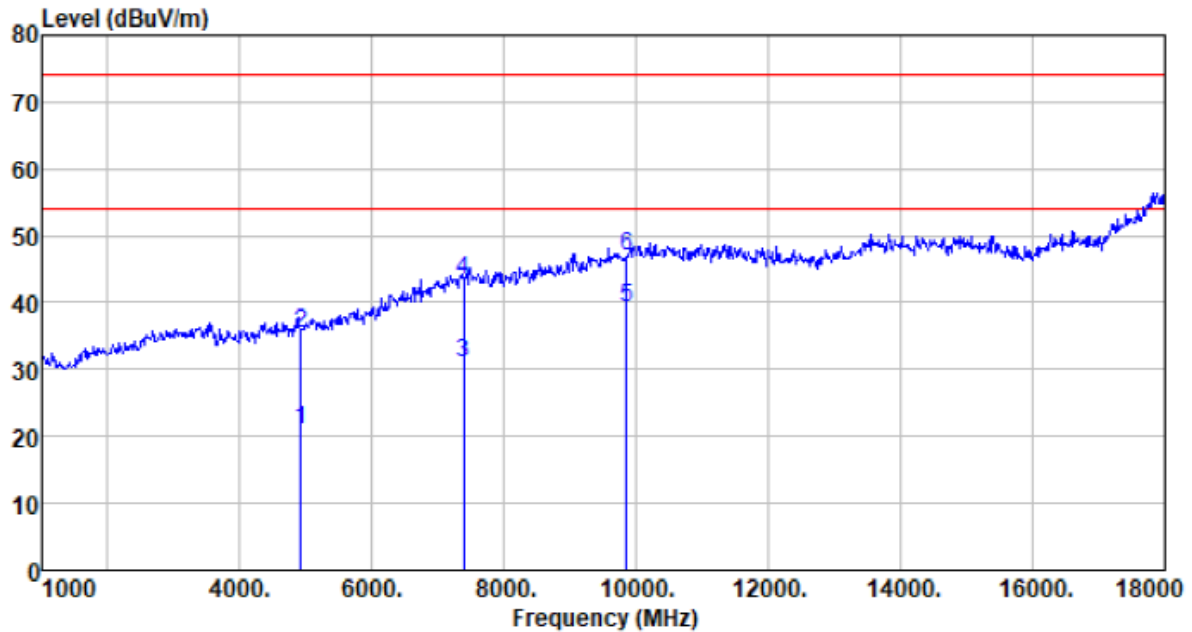
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	22.58	31.31	4.69	37.75	20.83	54.00	-33.17	Average
4874.000	38.44	31.31	4.69	37.75	36.69	74.00	-37.31	Peak
7311.000	23.50	36.39	6.61	35.60	30.90	54.00	-23.10	Average
7311.000	34.85	36.39	6.61	35.60	42.25	74.00	-31.75	Peak
9748.000	26.58	38.10	8.03	35.03	37.68	54.00	-16.32	Average
9748.000	34.33	38.10	8.03	35.03	45.43	74.00	-28.57	Peak

Test mode:	802.11b	Test channel:	Highest	Polarization:	Horizontal
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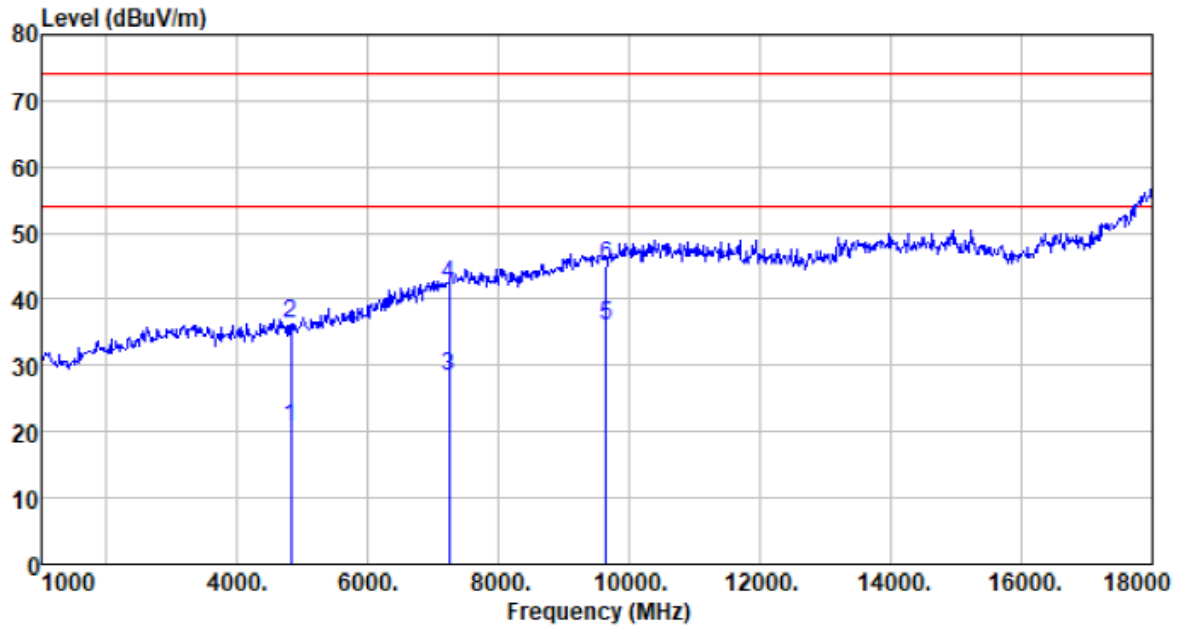
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	23.05	31.39	4.75	37.77	21.42	54.00	-32.58	Average
4924.000	37.76	31.39	4.75	37.77	36.13	74.00	-37.87	Peak
7386.000	21.99	36.57	6.71	35.58	29.69	54.00	-24.31	Average
7386.000	35.06	36.57	6.71	35.58	42.76	74.00	-31.24	Peak
9848.000	26.51	38.20	8.06	35.09	37.68	54.00	-16.32	Average
9848.000	35.91	38.20	8.06	35.09	47.08	74.00	-26.92	Peak

Test mode:	802.11b	Test channel:	Highest	Polarization:	Vertical
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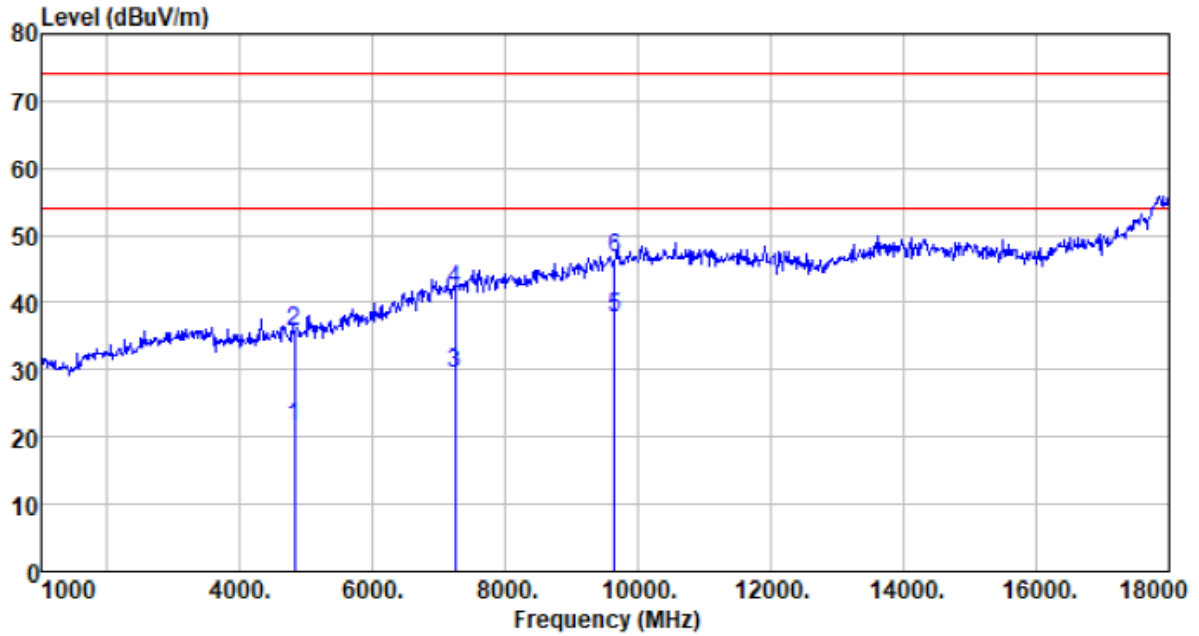
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	22.59	31.39	4.75	37.77	20.96	54.00	-33.04	Average
4924.000	37.17	31.39	4.75	37.77	35.54	74.00	-38.46	Peak
7386.000	23.35	36.57	6.71	35.58	31.05	54.00	-22.95	Average
7386.000	35.67	36.57	6.71	35.58	43.37	74.00	-30.63	Peak
9848.000	28.09	38.20	8.06	35.09	39.26	54.00	-14.74	Average
9848.000	35.78	38.20	8.06	35.09	46.95	74.00	-27.05	Peak

Test mode:	802.11g	Test channel:	Lowest	Polarization:	Horizontal
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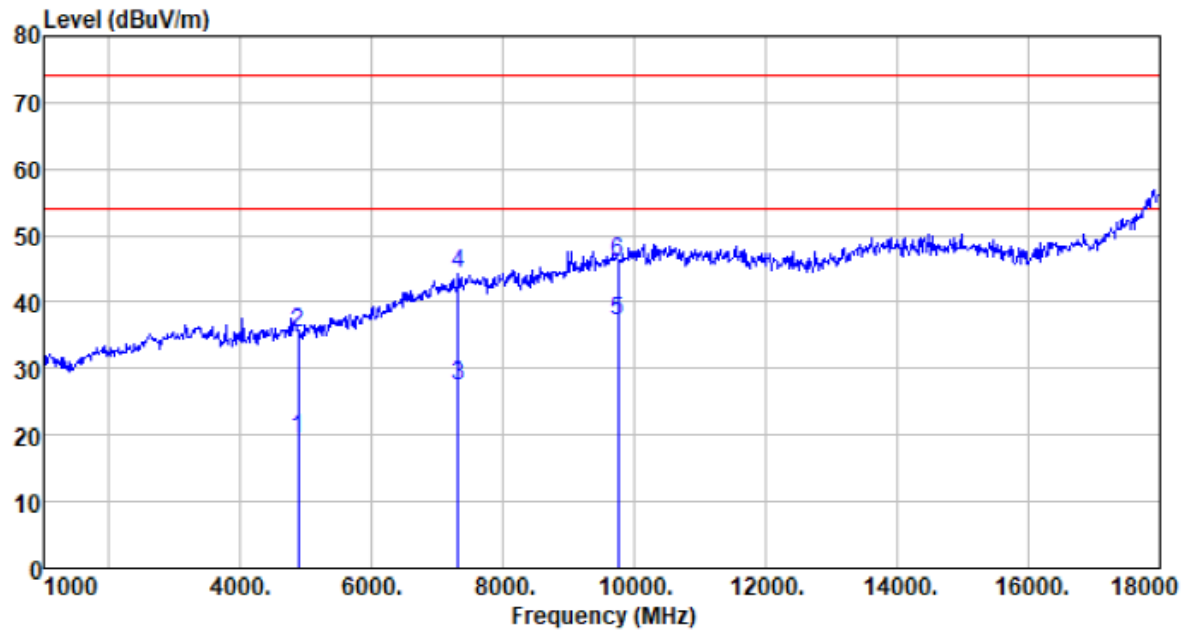
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	22.51	31.22	4.63	37.73	20.63	54.00	-33.37	Average
4824.000	38.18	31.22	4.63	37.73	36.30	74.00	-37.70	Peak
7236.000	21.13	36.25	6.52	35.62	28.28	54.00	-25.72	Average
7236.000	34.97	36.25	6.52	35.62	42.12	74.00	-31.88	Peak
9648.000	24.87	37.97	7.99	34.95	35.88	54.00	-18.12	Average
9648.000	34.13	37.97	7.99	34.95	45.14	74.00	-28.86	Peak

Test mode:	802.11g	Test channel:	Lowest	Polarization:	Vertical
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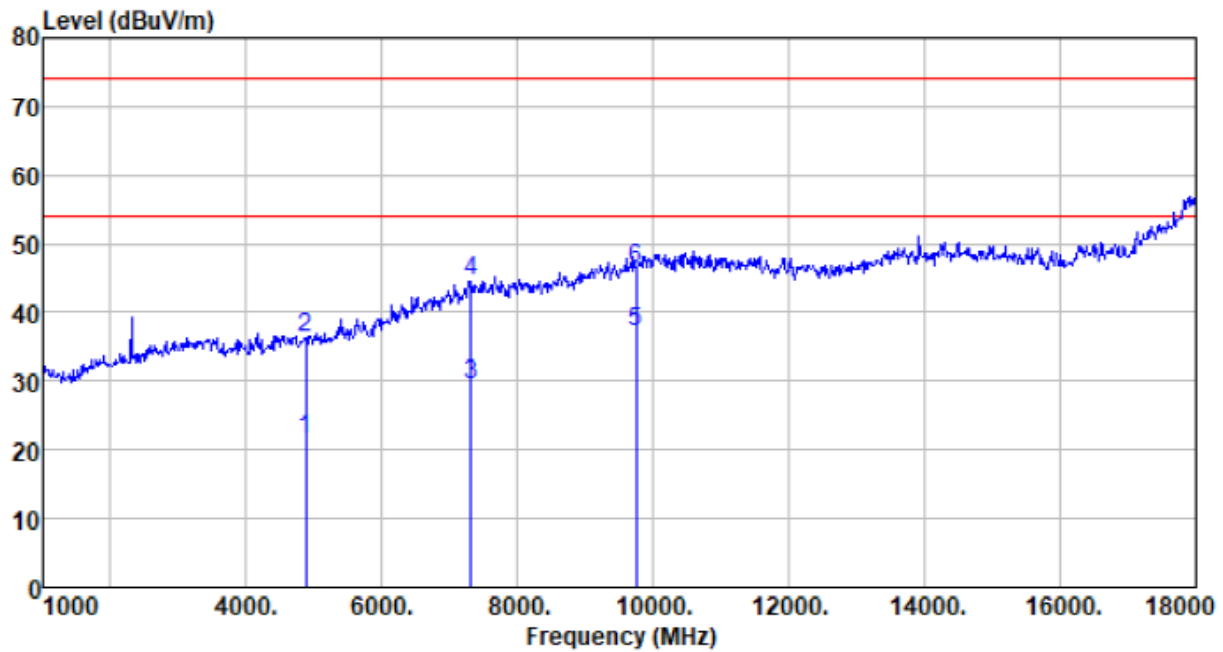
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	23.47	31.22	4.63	37.73	21.59	54.00	-32.41	Average
4824.000	37.71	31.22	4.63	37.73	35.83	74.00	-38.17	Peak
7236.000	22.30	36.25	6.52	35.62	29.45	54.00	-24.55	Average
7236.000	34.68	36.25	6.52	35.62	41.83	74.00	-32.17	Peak
9648.000	26.71	37.97	7.99	34.95	37.72	54.00	-16.28	Average
9648.000	35.56	37.97	7.99	34.95	46.57	74.00	-27.43	Peak

Test mode:	802.11g	Test channel:	Middle	Polarization:	Horizontal
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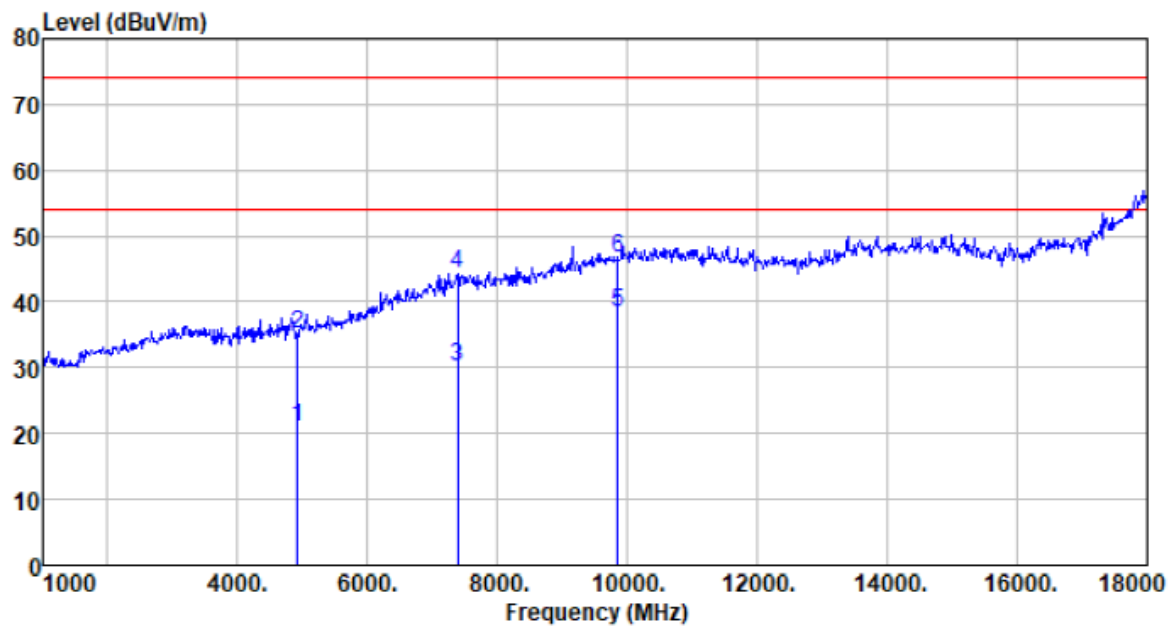
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	21.30	31.31	4.69	37.75	19.55	54.00	-34.45	Average
4874.000	37.04	31.31	4.69	37.75	35.29	74.00	-38.71	Peak
7311.000	19.91	36.39	6.61	35.60	27.31	54.00	-26.69	Average
7311.000	36.91	36.39	6.61	35.60	44.31	74.00	-29.69	Peak
9748.000	26.11	38.10	8.03	35.03	37.21	54.00	-16.79	Average
9748.000	34.85	38.10	8.03	35.03	45.95	74.00	-28.05	Peak

Test mode:	802.11g	Test channel:	Middle	Polarization:	Vertical
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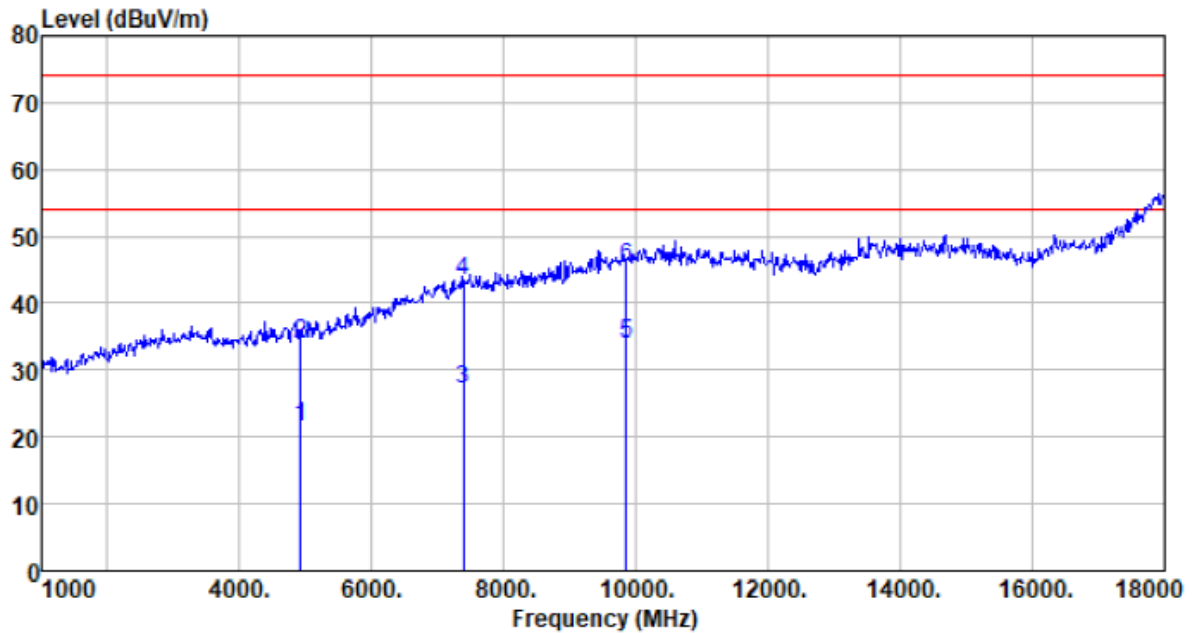
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	23.17	31.31	4.69	37.75	21.42	54.00	-32.58	Average
4874.000	37.91	31.31	4.69	37.75	36.16	74.00	-37.84	Peak
7311.000	22.05	36.39	6.61	35.60	29.45	54.00	-24.55	Average
7311.000	37.26	36.39	6.61	35.60	44.66	74.00	-29.34	Peak
9748.000	26.09	38.10	8.03	35.03	37.19	54.00	-16.81	Average
9748.000	35.30	38.10	8.03	35.03	46.40	74.00	-27.60	Peak

Test mode:	802.11g	Test channel:	Highest	Polarization:	Horizontal
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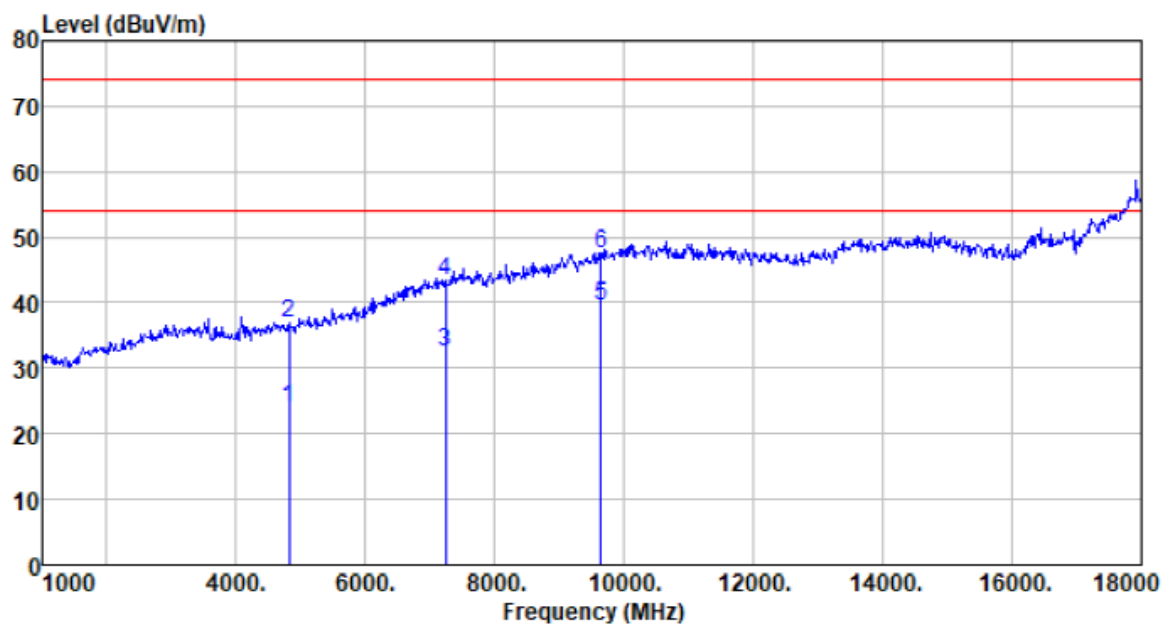
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	22.44	31.39	4.75	37.77	20.81	54.00	-33.19	Average
4924.000	36.64	31.39	4.75	37.77	35.01	74.00	-38.99	Peak
7386.000	22.54	36.57	6.71	35.58	30.24	54.00	-23.76	Average
7386.000	36.63	36.57	6.71	35.58	44.33	74.00	-29.67	Peak
9848.000	27.24	38.20	8.06	35.09	38.41	54.00	-15.59	Average
9848.000	35.36	38.20	8.06	35.09	46.53	74.00	-27.47	Peak

Test mode:	802.11g	Test channel:	Highest	Polarization:	Vertical
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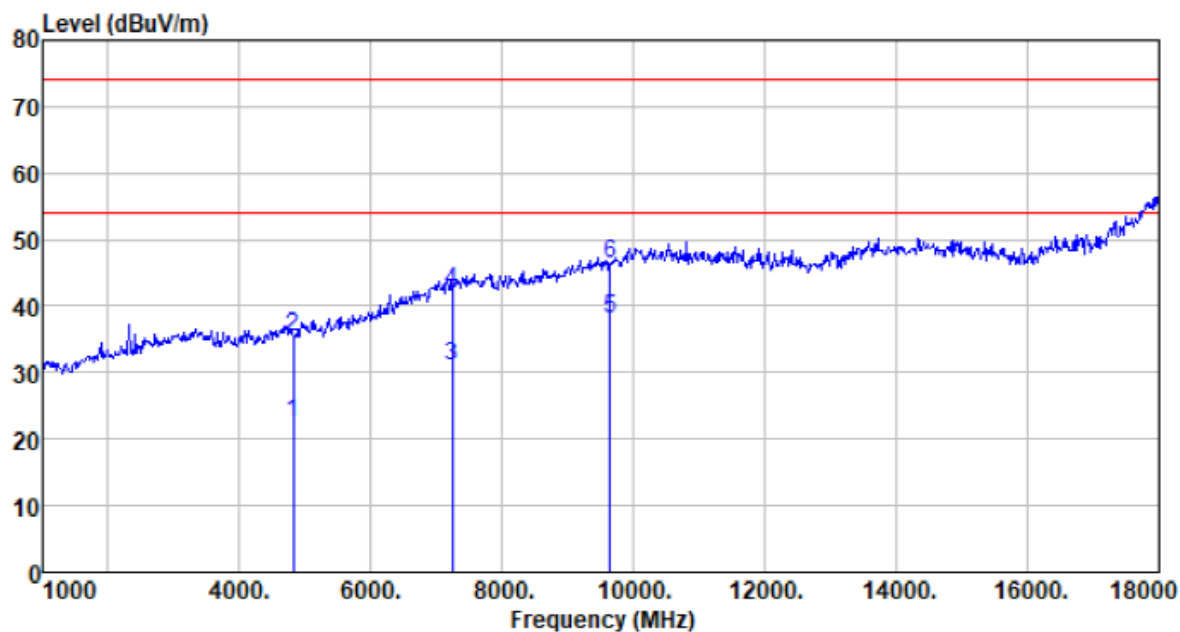
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	23.26	31.39	4.75	37.77	21.63	54.00	-32.37	Average
4924.000	35.68	31.39	4.75	37.77	34.05	74.00	-39.95	Peak
7386.000	19.60	36.57	6.71	35.58	27.30	54.00	-26.70	Average
7386.000	35.75	36.57	6.71	35.58	43.45	74.00	-30.55	Peak
9848.000	22.64	38.20	8.06	35.09	33.81	54.00	-20.19	Average
9848.000	34.33	38.20	8.06	35.09	45.50	74.00	-28.50	Peak

Test mode:	802.11n(HT20)	Test channel:	Lowest	Polarization:	Horizontal
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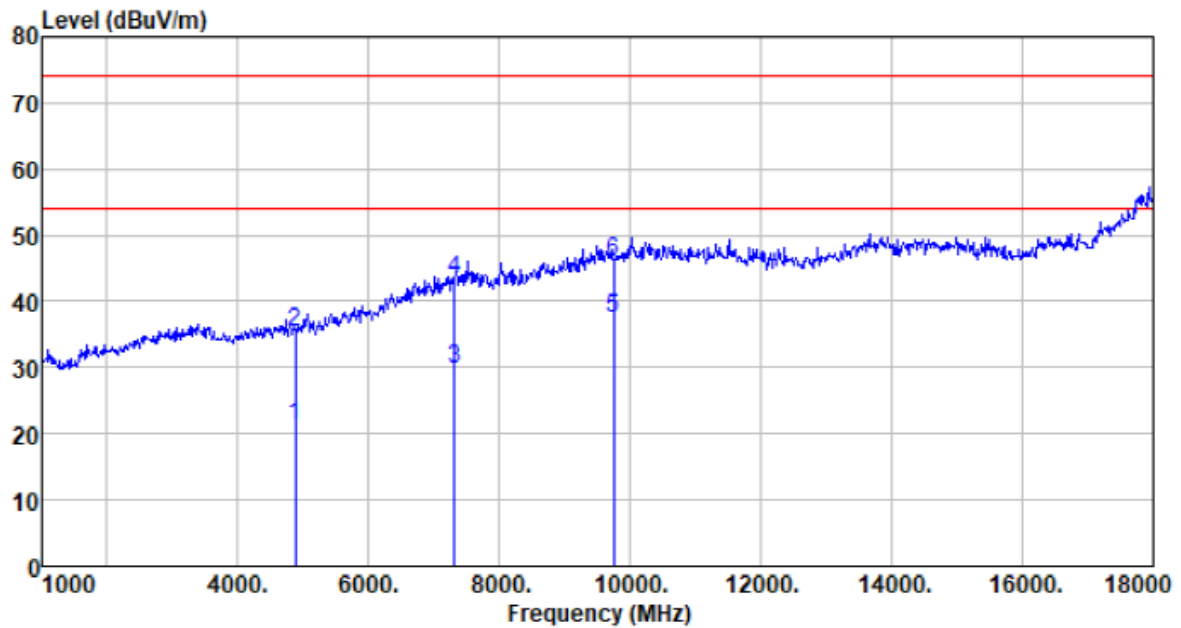
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	25.76	31.22	4.63	37.73	23.88	54.00	-30.12	Average
4824.000	38.85	31.22	4.63	37.73	36.97	74.00	-37.03	Peak
7236.000	25.19	36.25	6.52	35.62	32.34	54.00	-21.66	Average
7236.000	36.20	36.25	6.52	35.62	43.35	74.00	-30.65	Peak
9648.000	28.51	37.97	7.99	34.95	39.52	54.00	-14.48	Average
9648.000	36.44	37.97	7.99	34.95	47.45	74.00	-26.55	Peak

Test mode:	802.11n(HT20)	Test channel:	Lowest	Polarization:	Vertical
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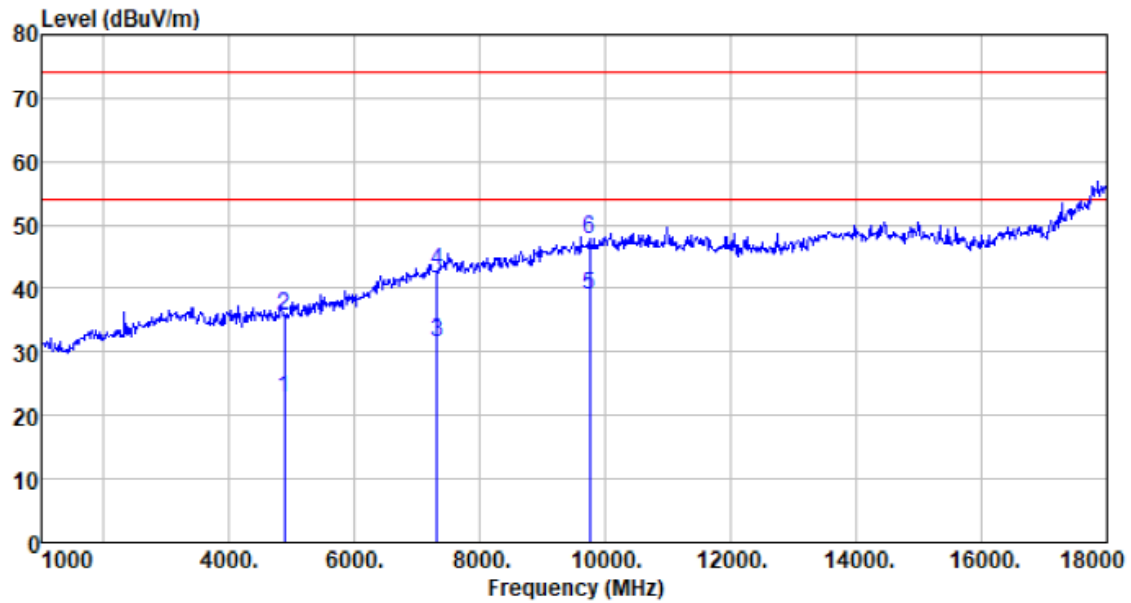
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4824.000	24.30	31.22	4.63	37.73	22.42	54.00	-31.58	Average
4824.000	37.29	31.22	4.63	37.73	35.41	74.00	-38.59	Peak
7236.000	23.79	36.25	6.52	35.62	30.94	54.00	-23.06	Average
7236.000	34.98	36.25	6.52	35.62	42.13	74.00	-31.87	Peak
9648.000	27.19	37.97	7.99	34.95	38.20	54.00	-15.80	Average
9648.000	35.31	37.97	7.99	34.95	46.32	74.00	-27.68	Peak

Test mode:	802.11n(HT20)	Test channel:	Middle	Polarization:	Horizontal
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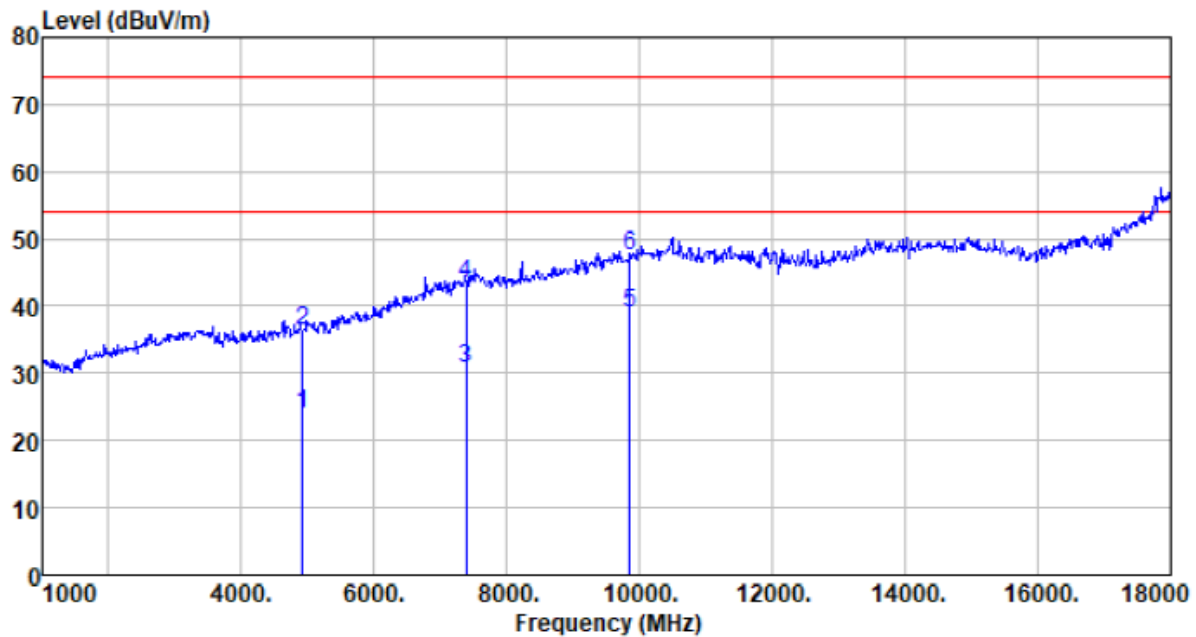
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
4874.000	23.08	31.31	4.69	37.75	21.33	54.00	-32.67	Average
4874.000	37.21	31.31	4.69	37.75	35.46	74.00	-38.54	Peak
7311.000	22.46	36.39	6.61	35.60	29.86	54.00	-24.14	Average
7311.000	35.89	36.39	6.61	35.60	43.29	74.00	-30.71	Peak
9748.000	26.50	38.10	8.03	35.03	37.60	54.00	-16.40	Average
9748.000	35.00	38.10	8.03	35.03	46.10	74.00	-27.90	Peak

Test mode:	802.11n(HT20)	Test channel:	Middle	Polarization:	Vertical
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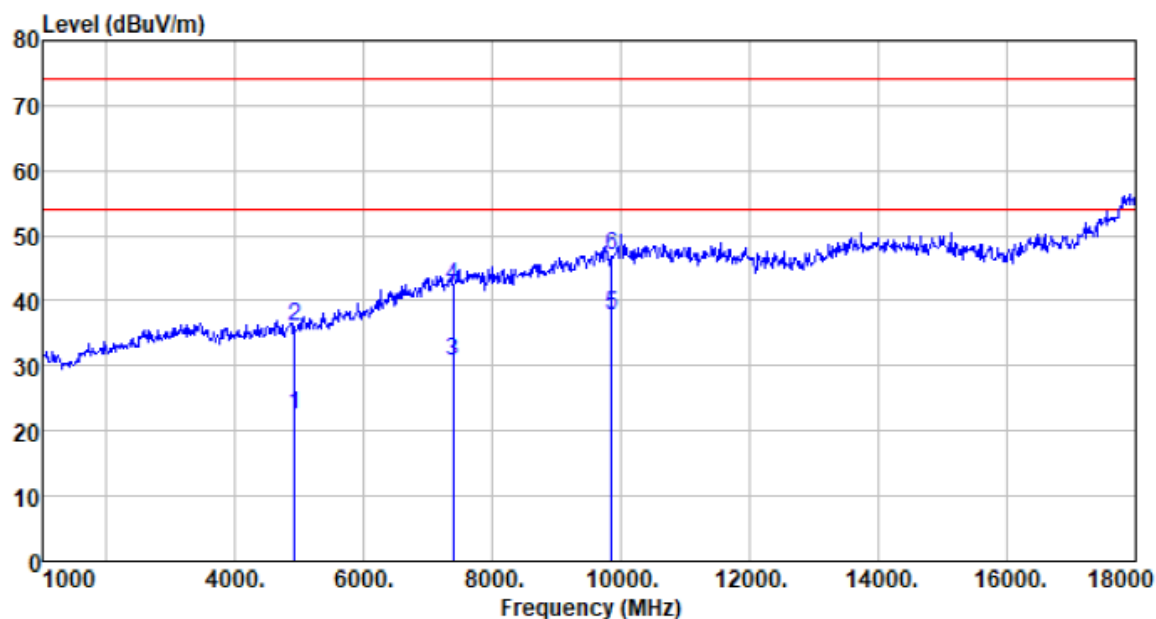
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4874.000	24.58	31.31	4.69	37.75	22.83	54.00	-31.17	Average
4874.000	37.54	31.31	4.69	37.75	35.79	74.00	-38.21	Peak
7311.000	24.09	36.39	6.61	35.60	31.49	54.00	-22.51	Average
7311.000	35.47	36.39	6.61	35.60	42.87	74.00	-31.13	Peak
9748.000	27.74	38.10	8.03	35.03	38.84	54.00	-15.16	Average
9748.000	36.73	38.10	8.03	35.03	47.83	74.00	-26.17	Peak

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	25.40	31.39	4.75	37.77	23.77	54.00	-30.23	Average
4924.000	38.00	31.39	4.75	37.77	36.37	74.00	-37.63	Peak
7386.000	23.12	36.57	6.71	35.58	30.82	54.00	-23.18	Average
7386.000	35.73	36.57	6.71	35.58	43.43	74.00	-30.57	Peak
9848.000	27.73	38.20	8.06	35.09	38.90	54.00	-15.10	Average
9848.000	36.32	38.20	8.06	35.09	47.49	74.00	-26.51	Peak

Test mode:	802.11n(HT20)	Test channel:	Highest	Polarization:	Vertical
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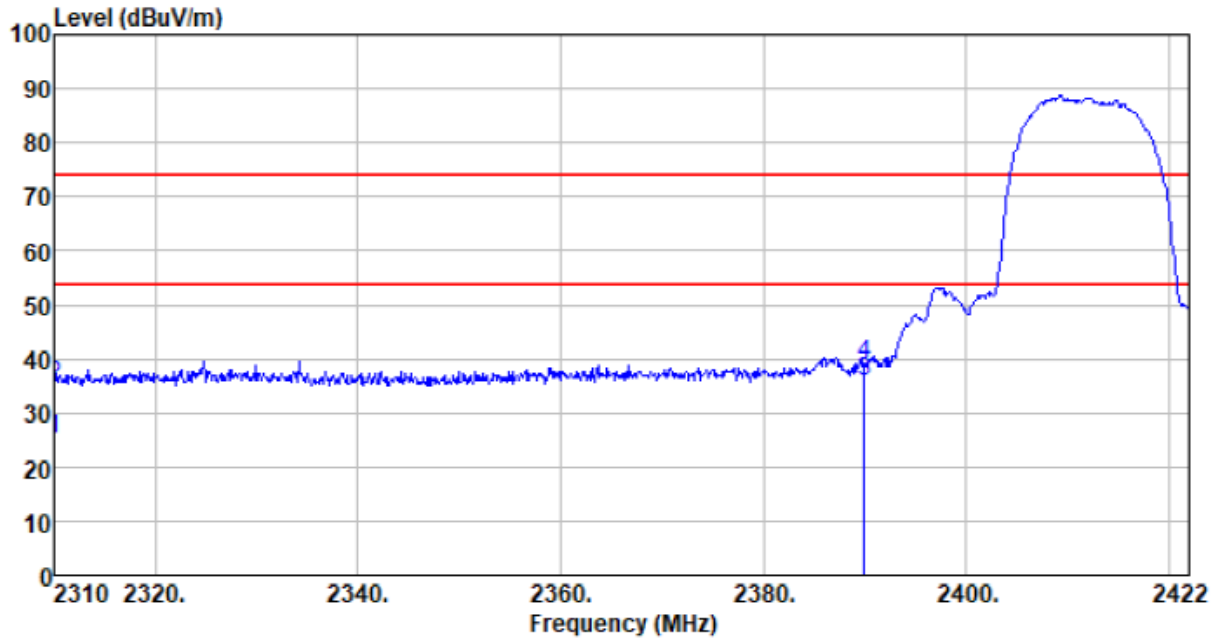
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4924.000	24.08	31.39	4.75	37.77	22.45	54.00	-31.55	Average
4924.000	37.56	31.39	4.75	37.77	35.93	74.00	-38.07	Peak
7386.000	22.99	36.57	6.71	35.58	30.69	54.00	-23.31	Average
7386.000	34.59	36.57	6.71	35.58	42.29	74.00	-31.71	Peak
9848.000	26.58	38.20	8.06	35.09	37.75	54.00	-16.25	Average
9848.000	35.77	38.20	8.06	35.09	46.94	74.00	-27.06	Peak

Remarks:

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.

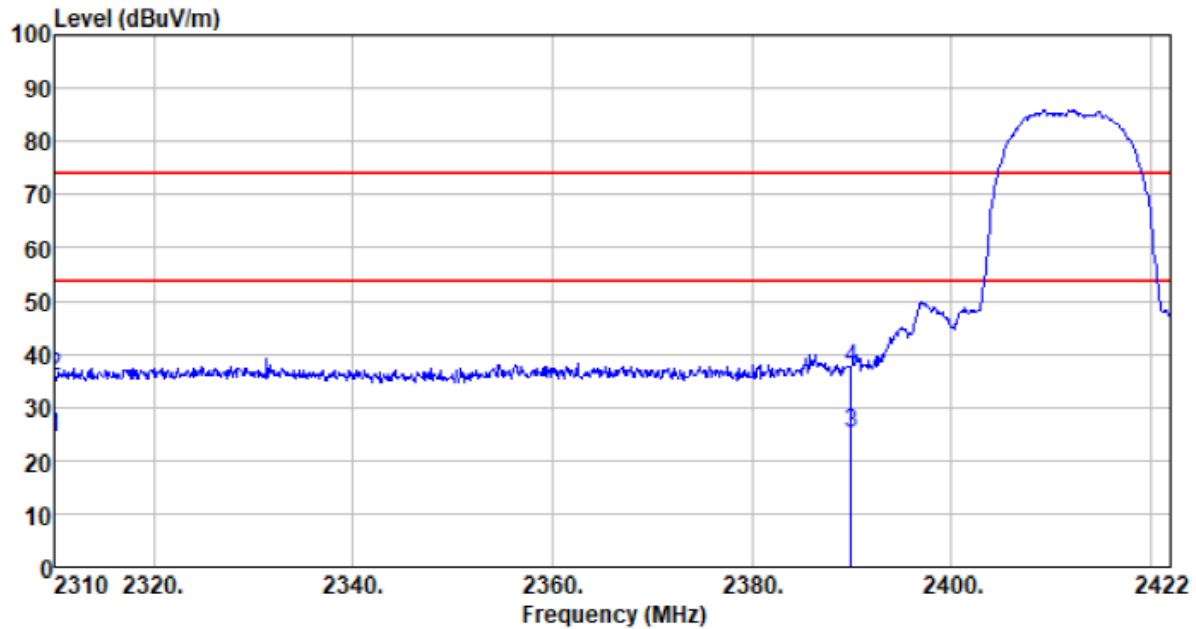
■ Unwanted Emissions in restricted Frequency Bands

Test mode:	802.11b	Test channel:	Lowest	Polarization:	Horizontal
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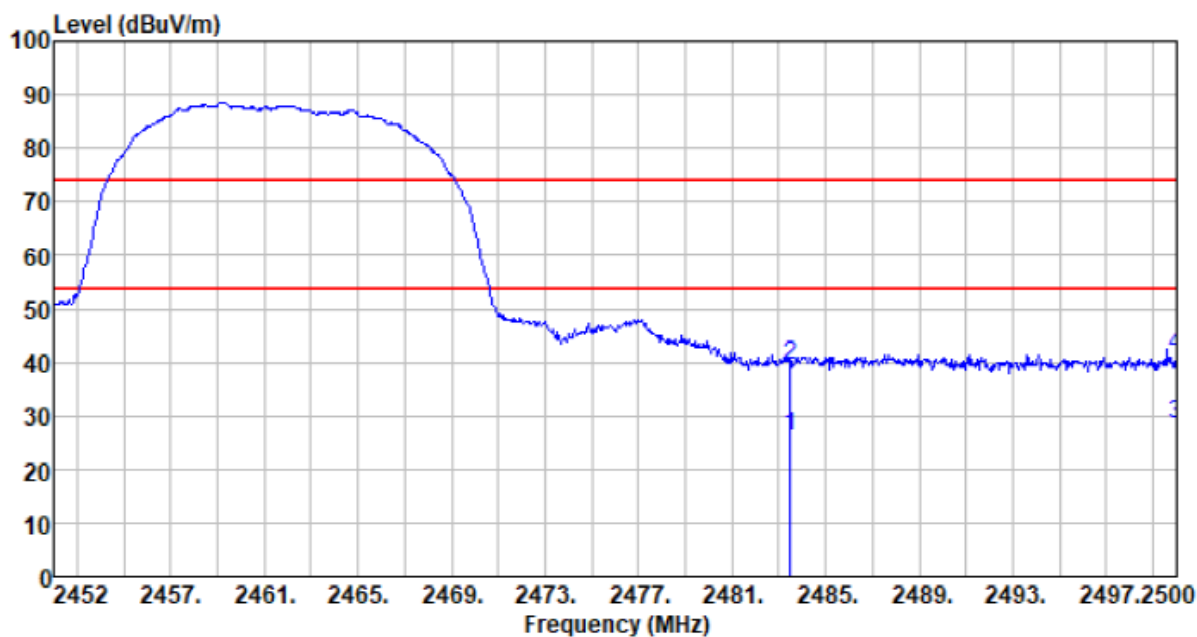
Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
2310.000	32.00	27.14	2.81	36.79	25.16	54.00	-28.84	Average
2310.000	42.04	27.14	2.81	36.79	35.20	74.00	-38.80	Peak
2390.000	42.22	27.37	2.91	36.85	35.65	54.00	-18.35	Average
2390.000	45.70	27.37	2.91	36.85	39.13	74.00	-34.87	Peak

Test mode:	802.11b	Test channel:	Lowest	Polarization:	Vertical
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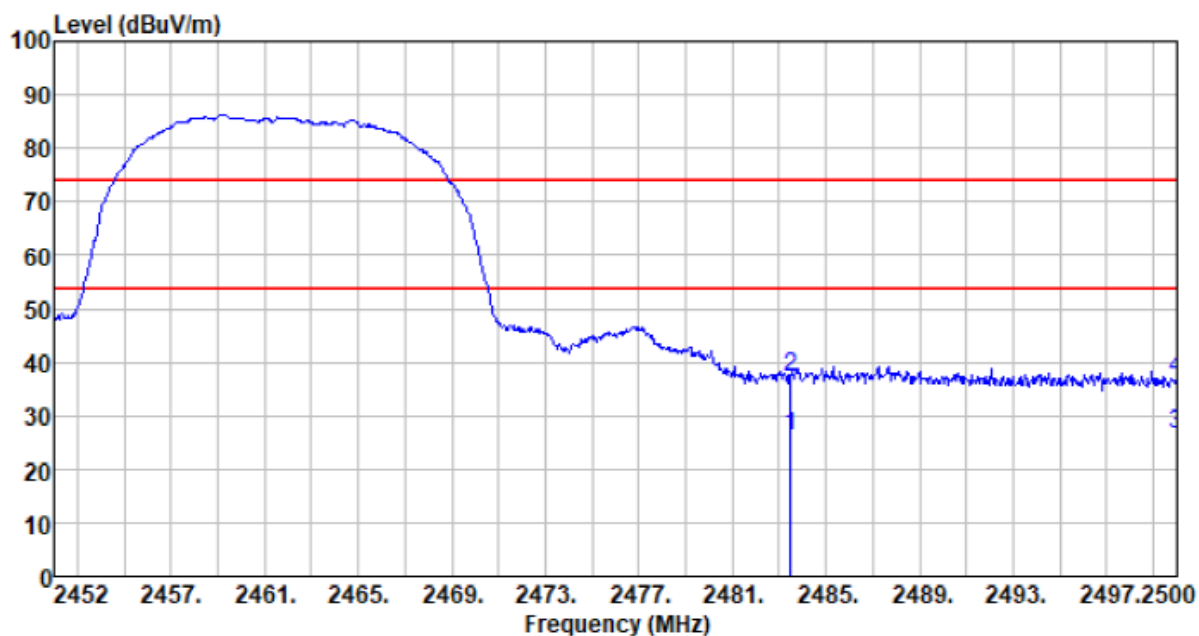
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.31	27.14	2.81	36.79	24.47	54.00	-29.53	Average
2310.000	42.72	27.14	2.81	36.79	35.88	74.00	-38.12	Peak
2390.000	31.83	27.37	2.91	36.85	25.26	54.00	-28.74	Average
2390.000	43.91	27.37	2.91	36.85	37.34	74.00	-36.66	Peak

Test mode:	802.11b	Test channel:	Highest	Polarization:	Horizontal
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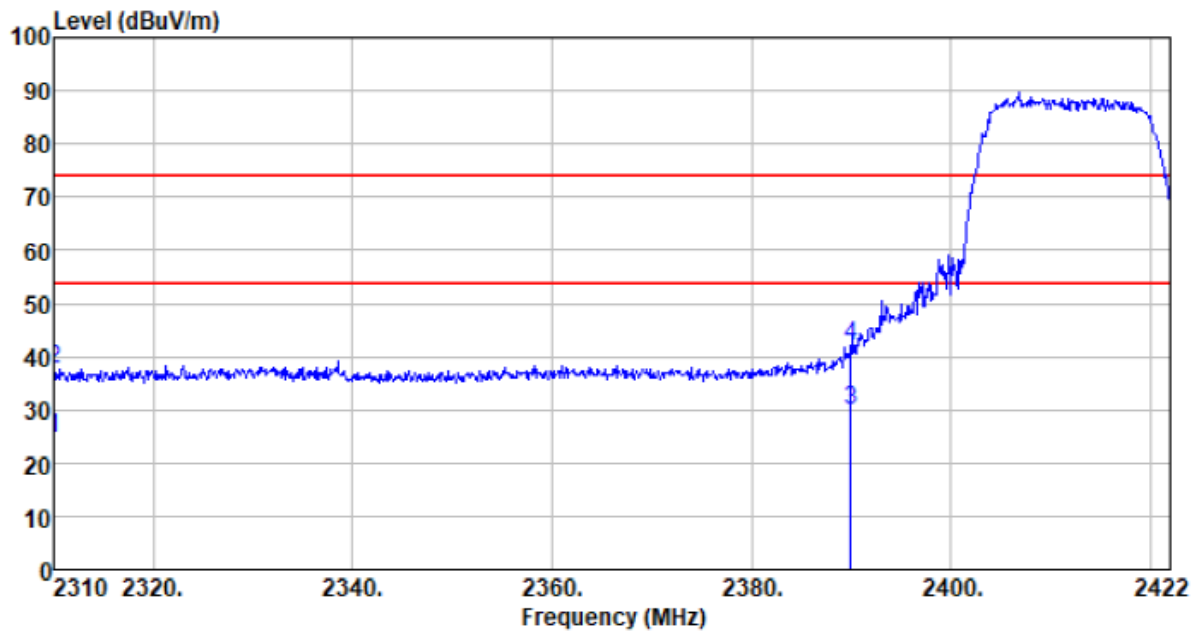
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	32.35	27.66	2.99	36.93	26.07	54.00	-27.93	Average
2483.500	45.59	27.66	2.99	36.93	39.31	74.00	-34.69	Peak
2500.000	34.80	27.70	3.01	36.94	28.57	54.00	-25.43	Average
2500.000	47.41	27.70	3.01	36.94	41.18	74.00	-32.82	Peak

Test mode:	802.11b	Test channel:	Highest	Polarization:	Vertical
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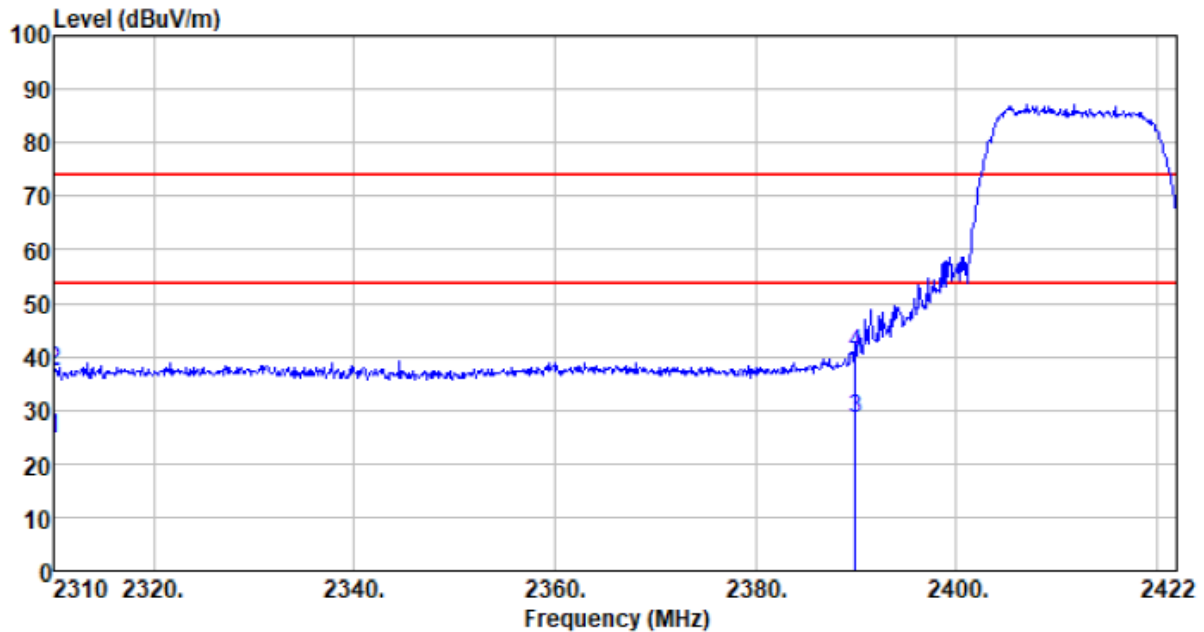
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	32.32	27.66	2.99	36.93	26.04	54.00	-27.96	Average
2483.500	43.51	27.66	2.99	36.93	37.23	74.00	-36.77	Peak
2500.000	32.88	27.70	3.01	36.94	26.65	54.00	-27.35	Average
2500.000	42.98	27.70	3.01	36.94	36.75	74.00	-37.25	Peak

Test mode:	802.11g	Test channel:	Lowest	Polarization:	Horizontal
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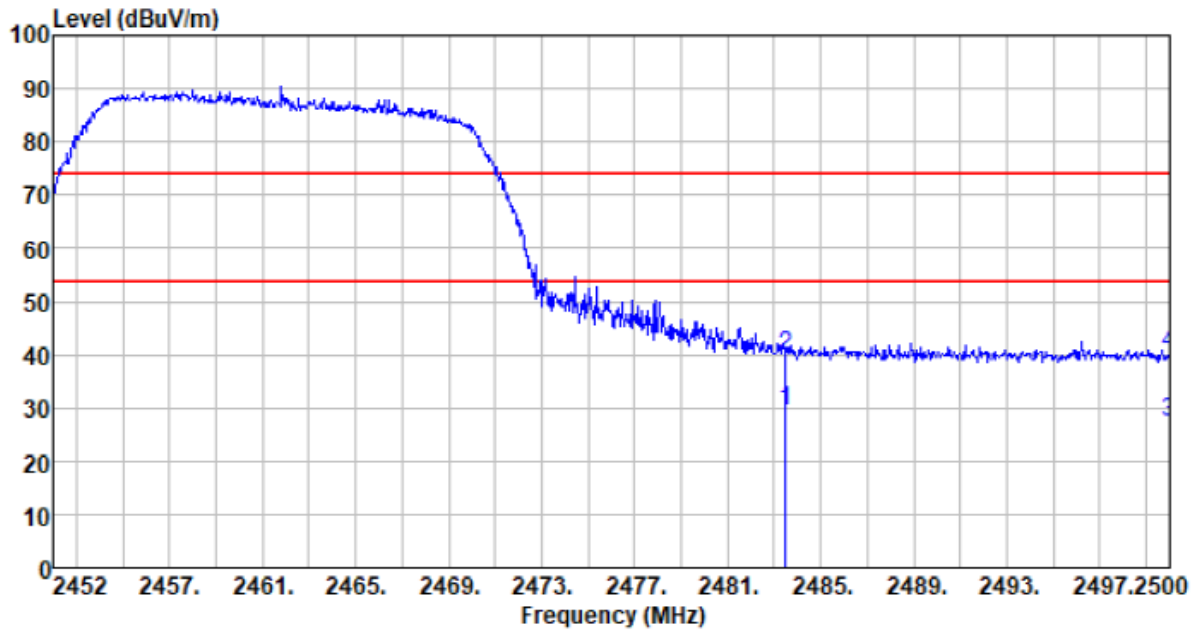
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.63	27.14	2.81	36.79	24.79	54.00	-29.21	Average
2310.000	44.46	27.14	2.81	36.79	37.62	74.00	-36.38	Peak
2390.000	36.32	27.37	2.91	36.85	29.75	54.00	-24.25	Average
2390.000	48.66	27.37	2.91	36.85	42.09	74.00	-31.91	Peak

Test mode:	802.11g	Test channel:	Lowest	Polarization:	Vertical
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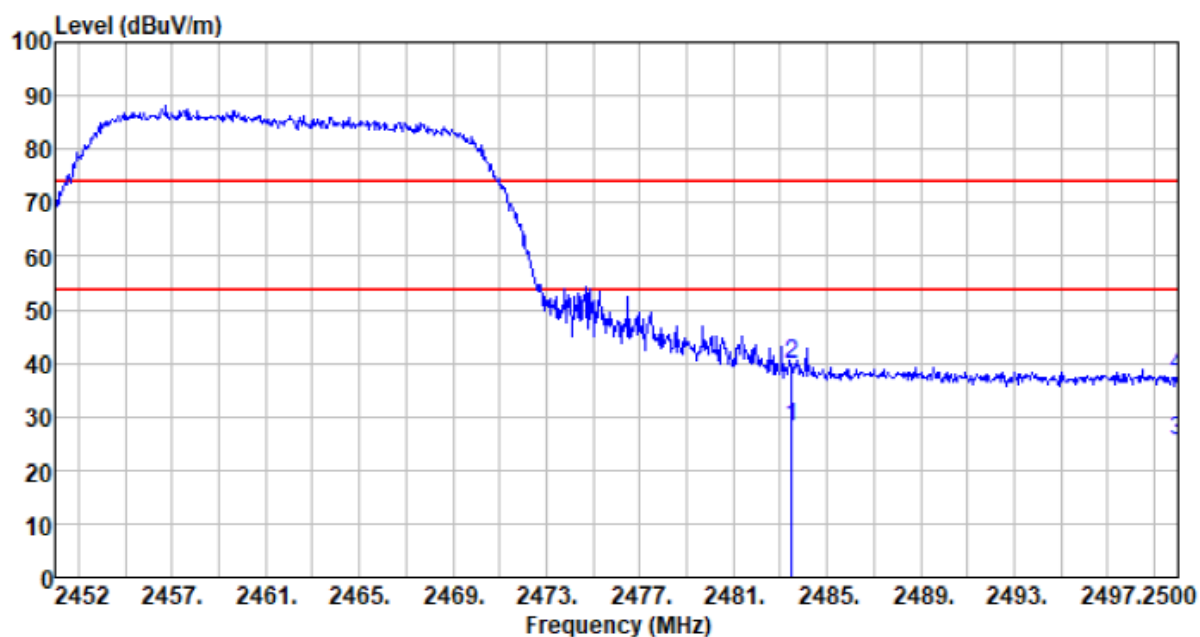
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.51	27.14	2.81	36.79	24.67	54.00	-29.33	Average
2310.000	44.02	27.14	2.81	36.79	37.18	74.00	-36.82	Peak
2390.000	35.17	27.37	2.91	36.85	28.60	54.00	-25.40	Average
2390.000	47.16	27.37	2.91	36.85	40.59	74.00	-33.41	Peak

Test mode:	802.11g	Test channel:	Highest	Polarization:	Horizontal
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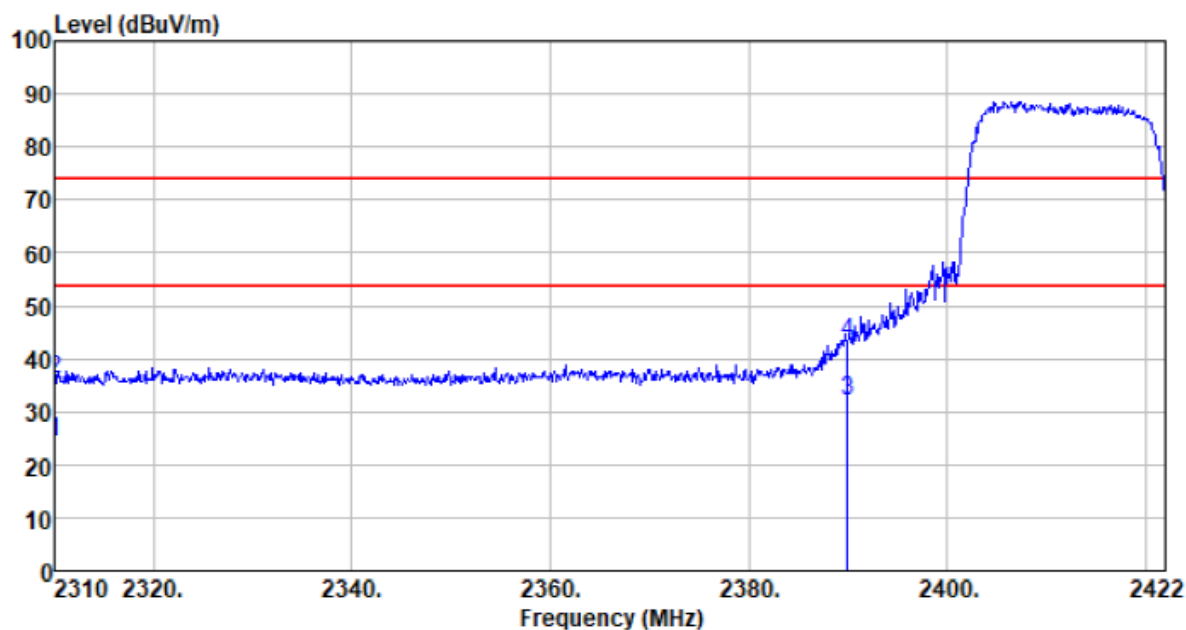
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	35.80	27.66	2.99	36.93	29.52	54.00	-24.48	Average
2483.500	46.01	27.66	2.99	36.93	39.73	74.00	-34.27	Peak
2500.000	33.49	27.70	3.01	36.94	27.26	54.00	-26.74	Average
2500.000	46.29	27.70	3.01	36.94	40.06	74.00	-33.94	Peak

Test mode:	802.11g	Test channel:	Highest	Polarization:	Vertical
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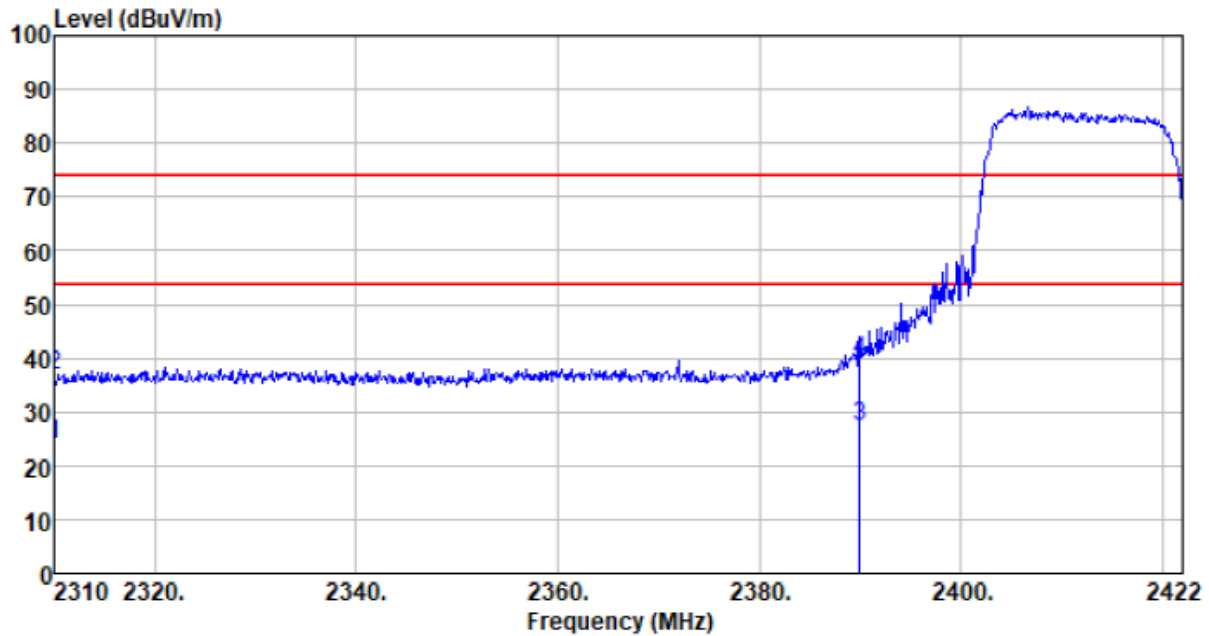
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	34.47	27.66	2.99	36.93	28.19	54.00	-25.81	Average
2483.500	45.95	27.66	2.99	36.93	39.67	74.00	-34.33	Peak
2500.000	31.51	27.70	3.01	36.94	25.28	54.00	-28.72	Average
2500.000	44.02	27.70	3.01	36.94	37.79	74.00	-36.21	Peak

Test mode:	802.11n(HT20)	Test channel:	Lowest	Polarization:	Horizontal
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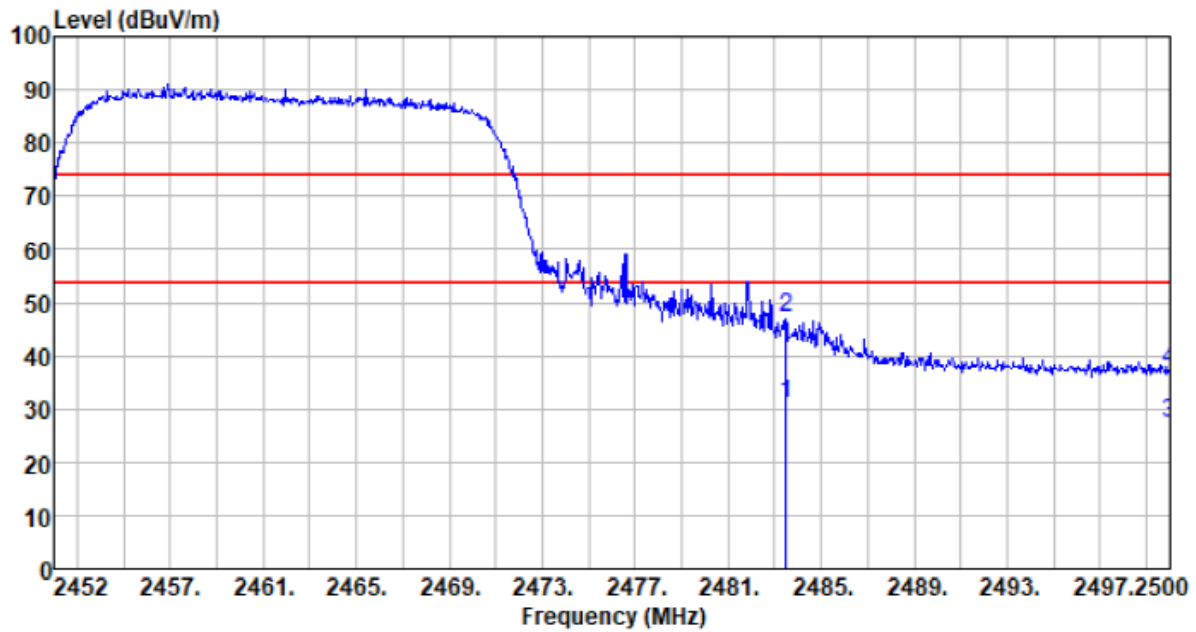
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.37	27.14	2.81	36.79	24.53	54.00	-29.47	Average
2310.000	43.04	27.14	2.81	36.79	36.20	74.00	-37.80	Peak
2390.000	38.84	27.37	2.91	36.85	32.27	54.00	-21.73	Average
2390.000	49.88	27.37	2.91	36.85	43.31	74.00	-30.69	Peak

Test mode:	802.11n(HT20)	Test channel:	Lowest	Polarization:	Vertical
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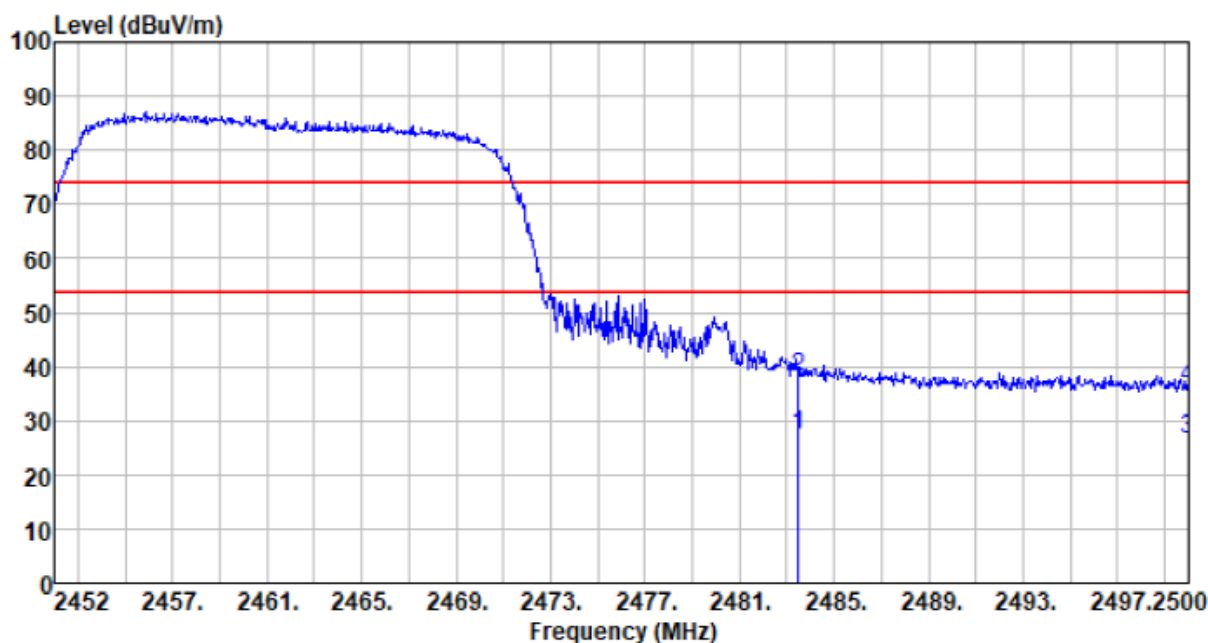
Freq MHz	Reading level dBUV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBUV/m	Limit level dBUV/m	Over limit dB	Remark
2310.000	31.01	27.14	2.81	36.79	24.17	54.00	-29.83	Average
2310.000	43.70	27.14	2.81	36.79	36.86	74.00	-37.14	Peak
2390.000	34.02	27.37	2.91	36.85	27.45	54.00	-26.55	Average
2390.000	45.93	27.37	2.91	36.85	39.36	74.00	-34.64	Peak

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
2483.500	37.21	27.66	2.99	36.93	30.93	54.00	-23.07	Average
2483.500	53.56	27.66	2.99	36.93	47.28	74.00	-26.72	Peak
2500.000	33.53	27.70	3.01	36.94	27.30	54.00	-26.70	Average
2500.000	43.53	27.70	3.01	36.94	37.30	74.00	-36.70	Peak

Test mode:	802.11n(HT20)	Test channel:	Highest	Polarization:	Vertical
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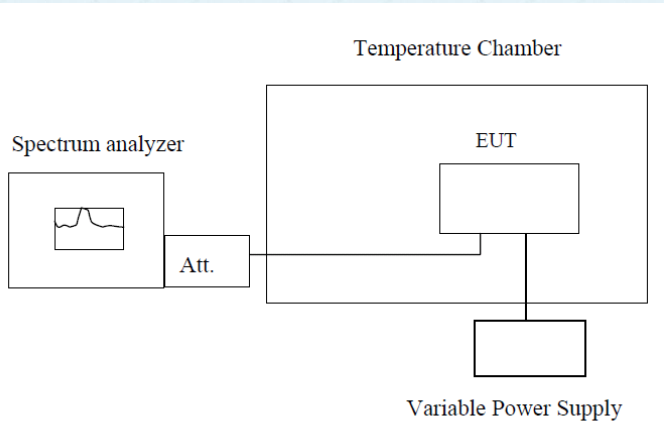


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	33.42	27.66	2.99	36.93	27.14	54.00	-26.86	Average
2483.500	44.42	27.66	2.99	36.93	38.14	74.00	-35.86	Peak
2500.000	32.91	27.70	3.01	36.94	26.68	54.00	-27.32	Average
2500.000	42.43	27.70	3.01	36.94	36.20	74.00	-37.80	Peak

Remarks:

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.

7.7 Frequency stability

Test Requirement:	RSS-Gen Section 6.11& Section 8.11
Test Method:	ANSI C63.10: 2013 & RSS-Gen
Limit:	Manufactures of devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified
Test Procedure:	The EUT was setup to ANSI C63.10, 2013; tested to 2.1055 for compliance to RSS-Gen requirements.
Test setup:	 Note : Measurement setup for testing on Antenna connector
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Remark: Set the EUT transmits at un-modulation mode to test frequency stability.

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

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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