

TEST REPORT

Applicant: NVISOL Ltd
Address of Applicant: Ha'Alon 6, Afula, Israel
Manufacturer: NVISOL Ltd
Address of Manufacturer: Ha'Alon 6, Afula, Israel
Equipment Under Test (EUT)
Product Name: Camera
Model No.: MAROM X
Trade Mark: N/A
FCC ID: 2AWVP-WATCHCAM
Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt: January 05, 2021
Date of Test: January 06-29, 2021
Date of report issued: February 01, 2021
Test Result : PASS *

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

Authorized Signature:

A circular stamp from GTS Global United Technology Services Co., Ltd. is visible, with the date 'Feb 01' handwritten in the center. A handwritten signature is written over the stamp.

Robinson Luo
Laboratory Manager

The logo for NVLAQ is shown in a stylized, outlined font. Below it, the text 'Testing Cert #381383' is printed.

2 Version

Version No.	Date	Description
00	February 01, 2021	Original

Prepared By:

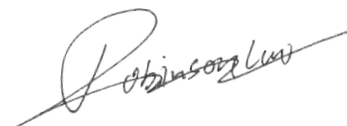


Date:

February 01, 2021

Project Engineer

Check By:



Date:

February 01, 2021

Reviewer

3 Contents

	Page
1 COVER PAGE	1
2 VERSION	2
3 CONTENTS	3
4 TEST SUMMARY	4
5 GENERAL INFORMATION	5
5.1 GENERAL DESCRIPTION OF EUT	5
5.2 TEST MODE	7
5.3 DESCRIPTION OF SUPPORT UNITS	7
5.4 DEVIATION FROM STANDARDS	7
5.5 ABNORMALITIES FROM STANDARD CONDITIONS	7
5.6 TEST FACILITY	7
5.7 TEST LOCATION	7
5.8 ADDITIONAL INSTRUCTIONS	7
6 TEST INSTRUMENTS LIST	8
7 TEST RESULTS AND MEASUREMENT DATA	10
7.1 ANTENNA REQUIREMENT	10
7.2 CONDUCTED EMISSIONS	11
7.3 CONDUCTED PEAK OUTPUT POWER	14
7.4 CHANNEL BANDWIDTH	15
7.5 POWER SPECTRAL DENSITY	16
7.6 SPURIOUS EMISSION IN NON-RESTRICTED & RESTRICTED BANDS	17
7.6.1 Conducted Emission Method	17
7.6.2 Radiated Emission Method	18
8 TEST SETUP PHOTO	53
9 EUT CONSTRUCTIONAL DETAILS	53

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	Pass
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: 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:	Camera
Model No.:	MAROM X
Serial No.:	N/A
Hardware version:	t3_a35_v1.2_210322
Software version:	V2
Test sample(s) ID:	GTS202101000010-1
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: DQPSK, DBPSK, CCK 802.11g/802.11n(HT20): OFDM/64-QAM,16-QAM, QPSK, BPSK
Antenna Type:	Integral Antenna
Antenna gain:	2dBi(declare by applicant)
Power supply:	AC/DC ADAPTER MODEL: KA12C-0502000US INPUT: AC 100-240V, 50/60Hz, 0.35A Max OUTPUT: DC 5V/2000mA DC 3.7V 3200mAh 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
-------------------	--

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)	802.11n(HT20)
Data rate	1Mbps	6Mbps	6.5Mbps	13Mbps

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**

Global United Technology SerSvices 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. Registration 381383.

- **IC —Registration No.: 9079A**

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 with Registration No.: 9079A

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

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

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	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. 25 2020	June. 24 2021
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 25 2020	June. 24 2021
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 25 2020	June. 24 2021
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 25 2020	June. 24 2021
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 25 2020	June. 24 2021
9	Coaxial Cable	GTS	N/A	GTS211	June. 25 2020	June. 24 2021
10	Coaxial cable	GTS	N/A	GTS210	June. 25 2020	June. 24 2021
11	Coaxial Cable	GTS	N/A	GTS212	June. 25 2020	June. 24 2021
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 25 2020	June. 24 2021
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 25 2020	June. 24 2021
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 25 2020	June. 24 2021
15	Band filter	Amindeon	82346	GTS219	June. 25 2020	June. 24 2021
16	Power Meter	Anritsu	ML2495A	GTS540	June. 25 2020	June. 24 2021
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 25 2020	June. 24 2021
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 25 2020	June. 24 2021
19	Splitter	Agilent	11636B	GTS237	June. 25 2020	June. 24 2021
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 25 2020	June. 24 2021
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. 25 2020	June. 24 2021

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. 25 2020	June. 24 2021
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 25 2020	June. 24 2021
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 25 2020	June. 24 2021
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 25 2020	June. 24 2021
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 25 2020	June. 24 2021
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 25 2020	June. 24 2021
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 25 2020	June. 24 2021
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 25 2020	June. 24 2021

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. 25 2020	June. 24 2021
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 25 2020	June. 24 2021
4	ENV216 2-L-V-NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	June. 25 2020	June. 24 2021
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. 25 2020	June. 24 2021
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	June. 25 2020	June. 24 2021
9	ISN	SCHWARZBECK	NTFM 8158	GTD565	June. 25 2020	June. 24 2021

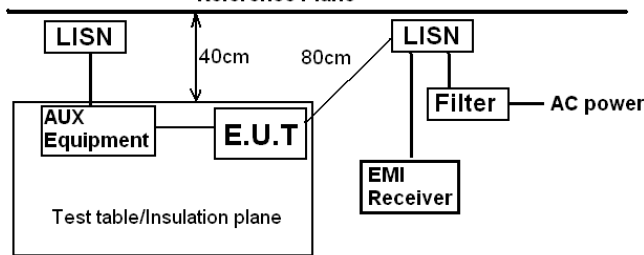
General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 25 2020	June. 24 2021
2	Barometer	ChangChun	DYM3	GTS255	June. 25 2020	June. 24 2021

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:	
<i>The antenna is integral antenna, the best case gain of the antennas are 2dBi, reference to the appendix II for details</i>	

7.2 Conducted Emissions

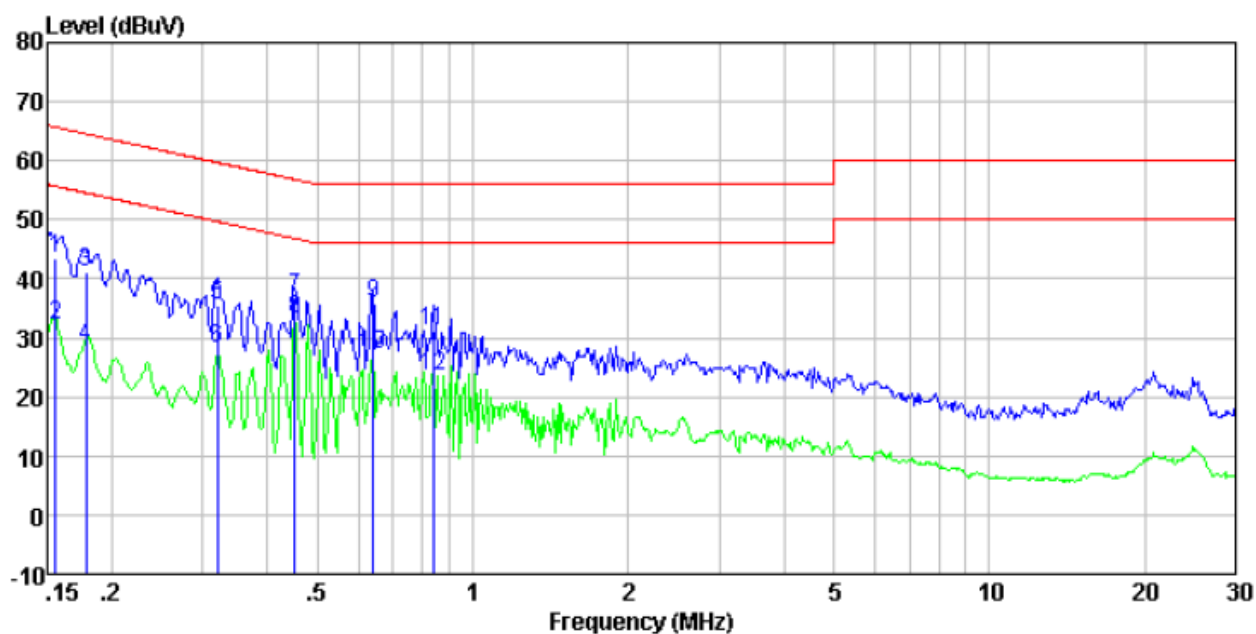
Test Requirement:	FCC Part15 C Section 15.207					
Test Method:	ANSI C63.10:2013					
Test Frequency Range:	150KHz to 30MHz					
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto					
Limit:	Frequency range (MHz)		Limit (dBuV)			
			Quasi-peak		Average	
	0.15-0.5		66 to 56*		56 to 46*	
	0.5-5		56		46	
	5-30		60		50	
* Decreases with the logarithm of the frequency.						
Test setup:	Reference Plane  Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m					
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					

Remark: Both high and low voltages have been tested to show only the worst low voltage test data.

Measurement data

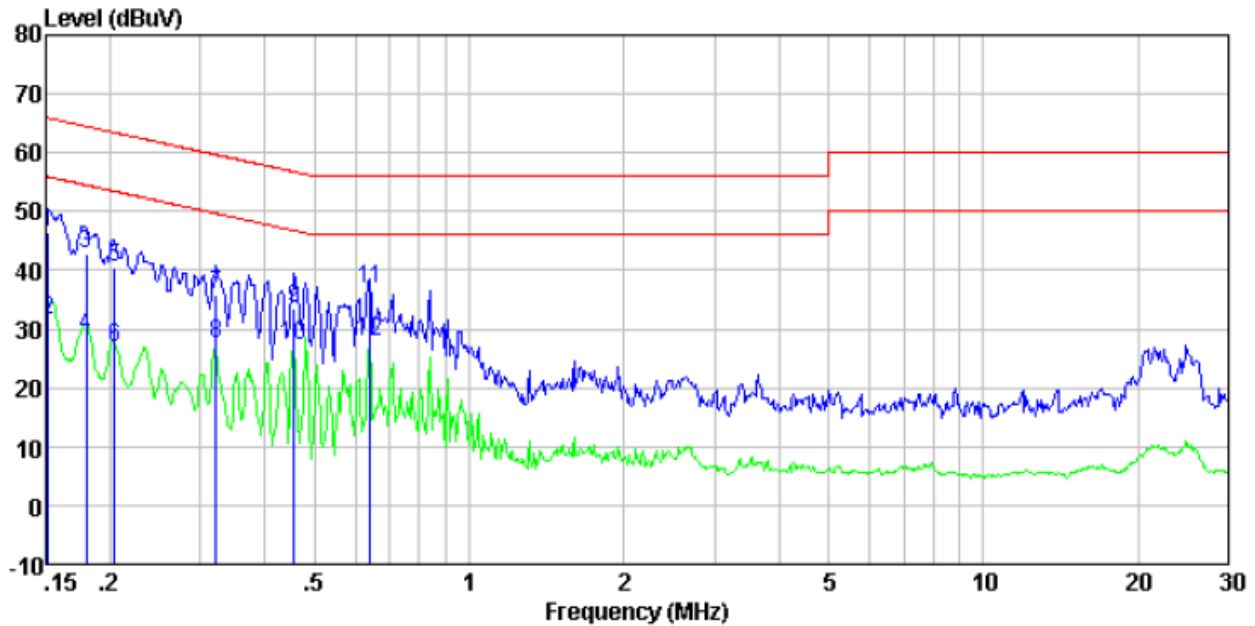
Pre-scan all test modes, found worst case at 802.11b 2462MHz, and so only show the test result of 802.11b 2462MHz

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	22.84	20.40	0.07	43.31	65.69	-22.38	QP
0.16	11.63	20.40	0.07	32.10	55.69	-23.59	Average
0.18	20.64	20.40	0.09	41.13	64.55	-23.42	QP
0.18	8.15	20.40	0.09	28.64	54.55	-25.91	Average
0.32	15.14	20.39	0.10	35.63	59.71	-24.08	QP
0.32	7.62	20.39	0.10	28.11	49.71	-21.60	Average
0.45	16.39	20.33	0.11	36.83	56.85	-20.02	QP
0.45	12.71	20.33	0.11	33.15	46.85	-13.70	Average
0.64	15.34	20.27	0.12	35.73	56.00	-20.27	QP
0.64	6.73	20.27	0.12	27.12	46.00	-18.88	Average
0.84	10.81	20.23	0.14	31.18	56.00	-24.82	QP
0.84	3.06	20.23	0.14	23.43	46.00	-22.57	Average

Neutral:

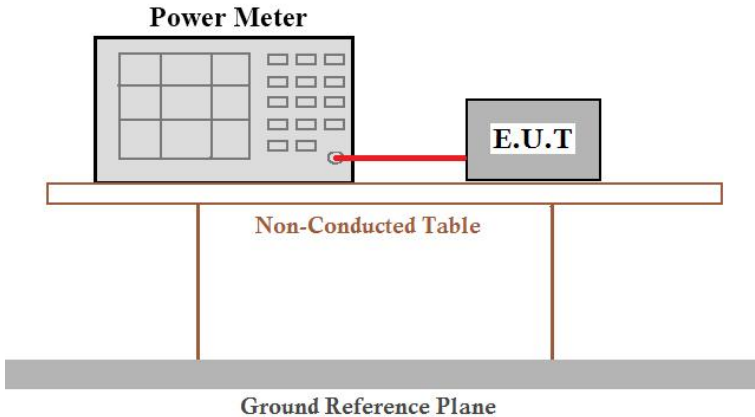


Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	25.97	20.40	0.07	46.44	65.91	-19.47	QP
0.15	10.98	20.40	0.07	31.45	55.91	-24.46	Average
0.18	22.43	20.40	0.10	42.93	64.50	-21.57	QP
0.18	8.35	20.40	0.10	28.85	54.50	-25.65	Average
0.20	20.01	20.40	0.11	40.52	63.45	-22.93	QP
0.20	6.23	20.40	0.11	26.74	53.45	-26.71	Average
0.32	15.30	20.39	0.10	35.79	59.66	-23.87	QP
0.32	6.90	20.39	0.10	27.39	49.66	-22.27	Average
0.46	12.93	20.33	0.11	33.37	56.76	-23.39	QP
0.46	6.77	20.33	0.11	27.21	46.76	-19.55	Average
0.64	16.42	20.27	0.12	36.81	56.00	-19.19	QP
0.64	7.40	20.27	0.12	27.79	46.00	-18.21	Average

Notes:

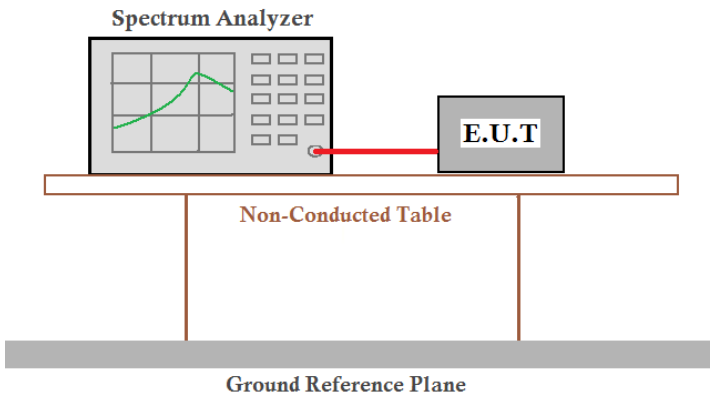
1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss
4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

7.3 Conducted Peak Output Power

Test Requirement :	FCC Part15 C Section 15.247 (b)(3)
Test Method :	KDB558074 D01 15.247 Meas Guidance v05r02
Limit:	30dBm
Test setup:	 The diagram illustrates the test setup. A Power Meter, represented by a rectangular box with a grid of buttons, is connected to an E.U.T. (Equipment Under Test), represented by a smaller rectangular box, via a red cable. Both the Power Meter and the E.U.T. are placed on a Non-Conducted Table, which is supported by two vertical legs. Below the table is a Ground Reference Plane, represented by a thick horizontal bar.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

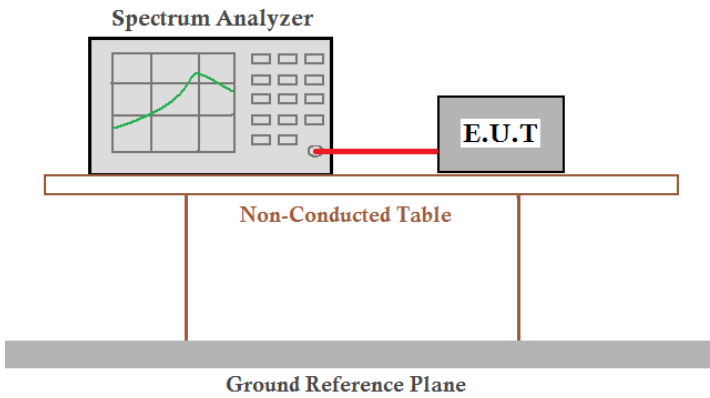
Measurement Data: The detailed test data see Appendix for WIFI 2.4G

7.4 Channel Bandwidth

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, shown with a grid and a green trace, 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 two vertical legs that rest on a 'Ground Reference Plane', represented by a thick grey horizontal bar at the bottom.
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

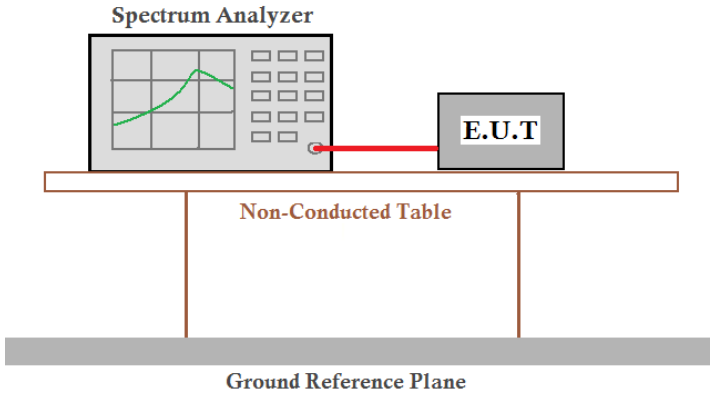
7.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02
Limit:	8dBm/3kHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer, shown with a grid and a green curve 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 table labeled 'Non-Conducted Table'. This table is supported by two vertical legs, which are in turn supported by a thick grey horizontal bar at the bottom labeled '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

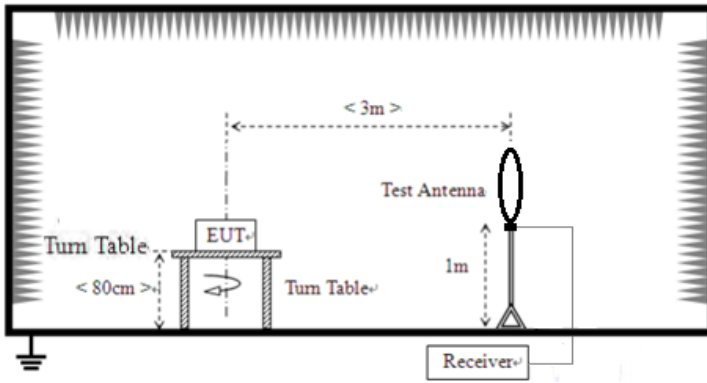
7.6 Spurious Emission in Non-restricted & restricted Bands

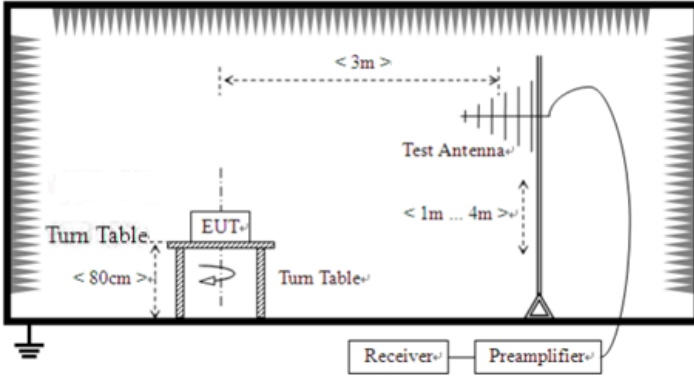
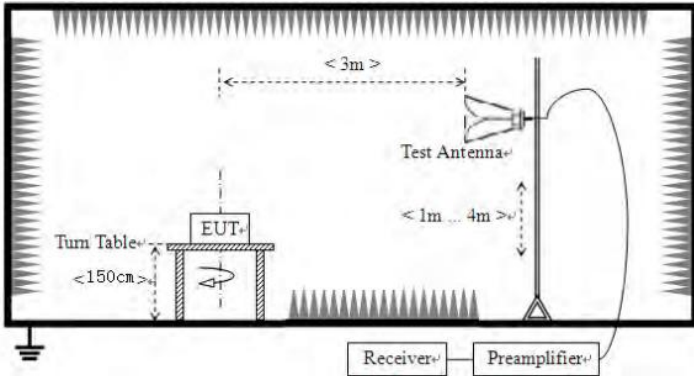
7.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and 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 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 and 15.205																												
Test Method:	ANSI C63.10:2013																												
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:	<table><tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr><tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100**</td><td>3</td></tr><tr><td>88-216</td><td>150**</td><td>3</td></tr><tr><td>216-960</td><td>200**</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table>					Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	0.009-0.490	2400/F(kHz)	300	0.490-1.705	24000/F(kHz)	30	1.705-30.0	30	30	30-88	100**	3	88-216	150**	3	216-960	200**	3	Above 960	500	3
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)																										
0.009-0.490	2400/F(kHz)	300																											
0.490-1.705	24000/F(kHz)	30																											
1.705-30.0	30	30																											
30-88	100**	3																											
88-216	150**	3																											
216-960	200**	3																											
Above 960	500	3																											
	The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.																												
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					

Measurement data:

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.
Only shown the worst case test data.*

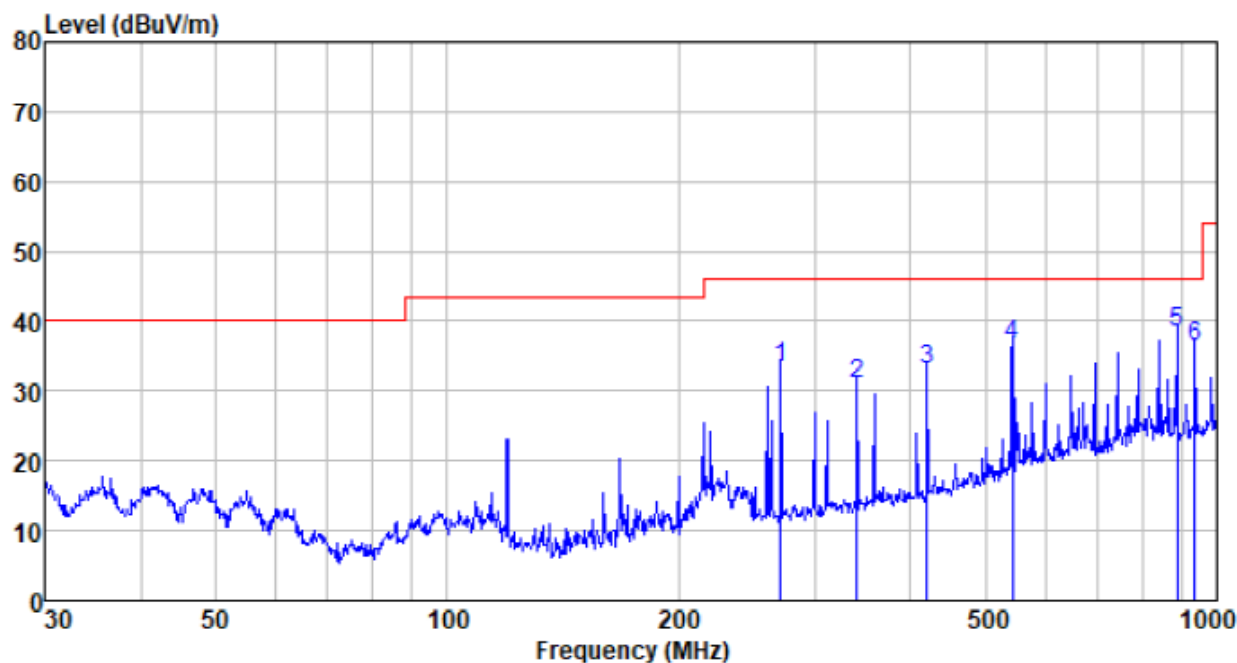
■ 9kHz~30MHz

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

■ Below 1GHz

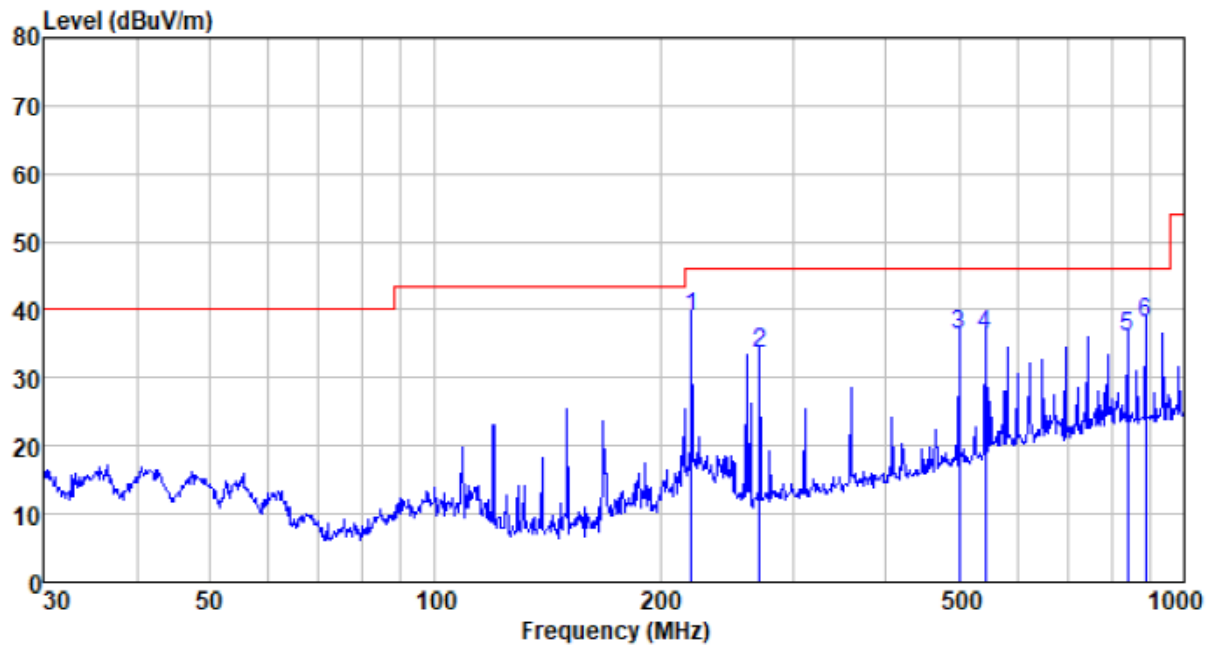
Pre-scan all test modes, found worst case at 802.11n(HT20) 2437MHz, and so only show the test result of 802.11n(HT20) 2437MHz

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
271.325	55.76	12.80	2.23	37.40	33.39	46.00	-12.61	QP
340.782	51.51	14.37	2.57	37.46	30.99	46.00	-15.01	QP
420.580	51.84	15.75	2.95	37.52	33.02	46.00	-12.98	QP
543.274	52.37	18.29	3.50	37.52	36.64	46.00	-9.36	QP
887.610	48.85	22.20	4.80	37.60	38.25	46.00	-7.75	QP
935.546	46.32	22.45	4.99	37.57	36.19	46.00	-9.81	QP

Vertical:



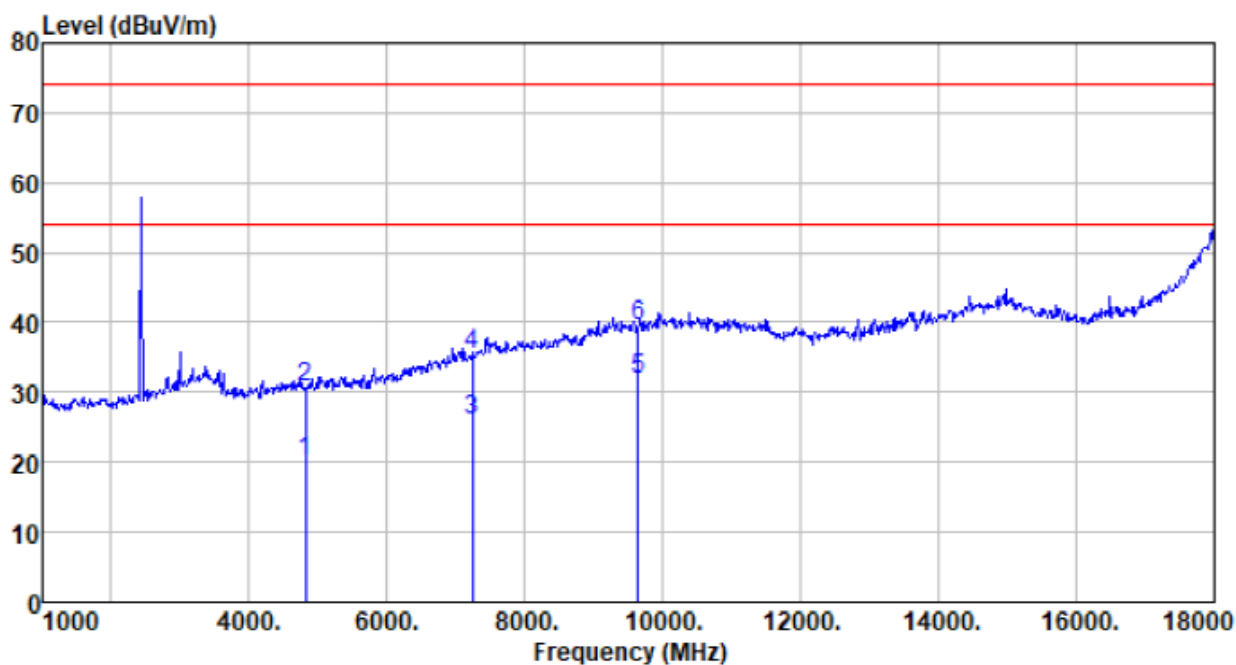
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
219.845	63.12	11.13	1.96	37.35	38.86	46.00	-7.14	QP
271.325	55.97	12.80	2.23	37.40	33.60	46.00	-12.40	QP
501.179	53.26	17.30	3.31	37.51	36.36	46.00	-9.64	QP
543.274	52.16	18.29	3.50	37.52	36.43	46.00	-9.57	QP
839.182	47.35	21.75	4.62	37.61	36.11	46.00	-9.89	QP
887.610	48.80	22.20	4.80	37.60	38.20	46.00	-7.80	QP

■ Above 1GHz

■ Unwanted Emissions in non-restricted Frequency Bands

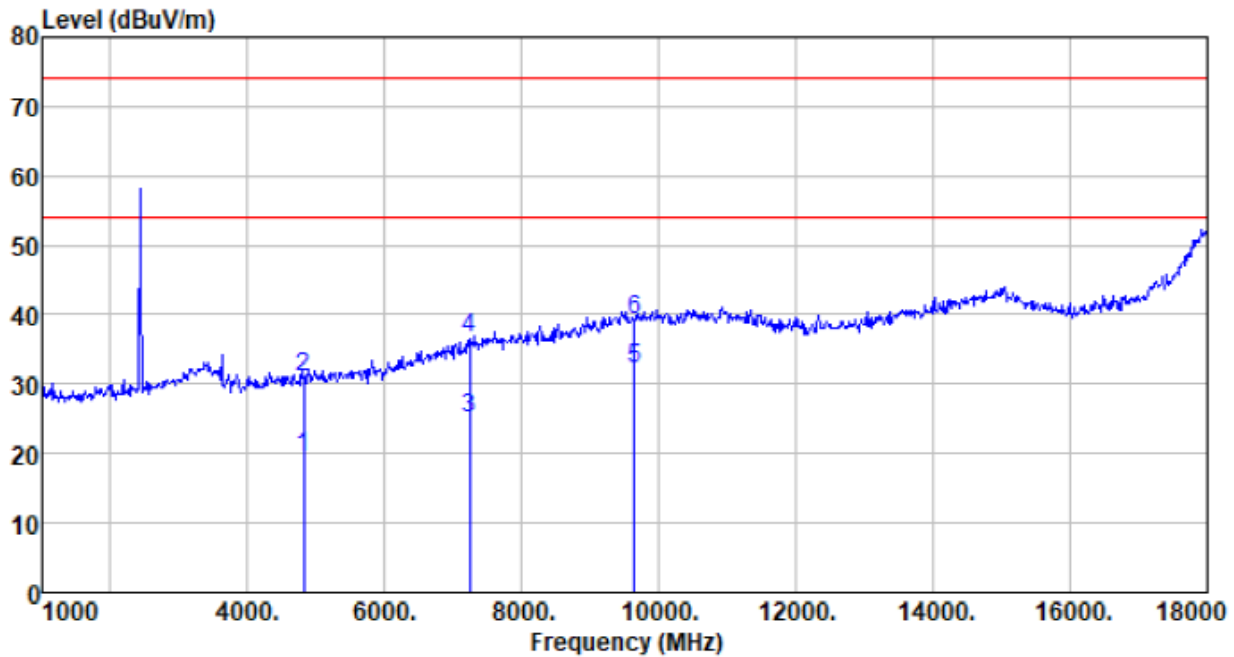
Test mode:	802.11b	Test channel:	Lowest
------------	---------	---------------	--------

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
4824.000	21.35	31.91	4.63	37.73	20.16	54.00	-33.84	Average
4824.000	31.79	31.91	4.63	37.73	30.60	74.00	-43.40	Peak
7236.000	19.25	35.86	6.52	35.62	26.01	54.00	-27.99	Average
7236.000	28.73	35.86	6.52	35.62	35.49	74.00	-38.51	Peak
9648.000	20.53	38.26	7.99	34.95	31.83	54.00	-22.17	Average
9648.000	28.21	38.26	7.99	34.95	39.51	74.00	-34.49	Peak

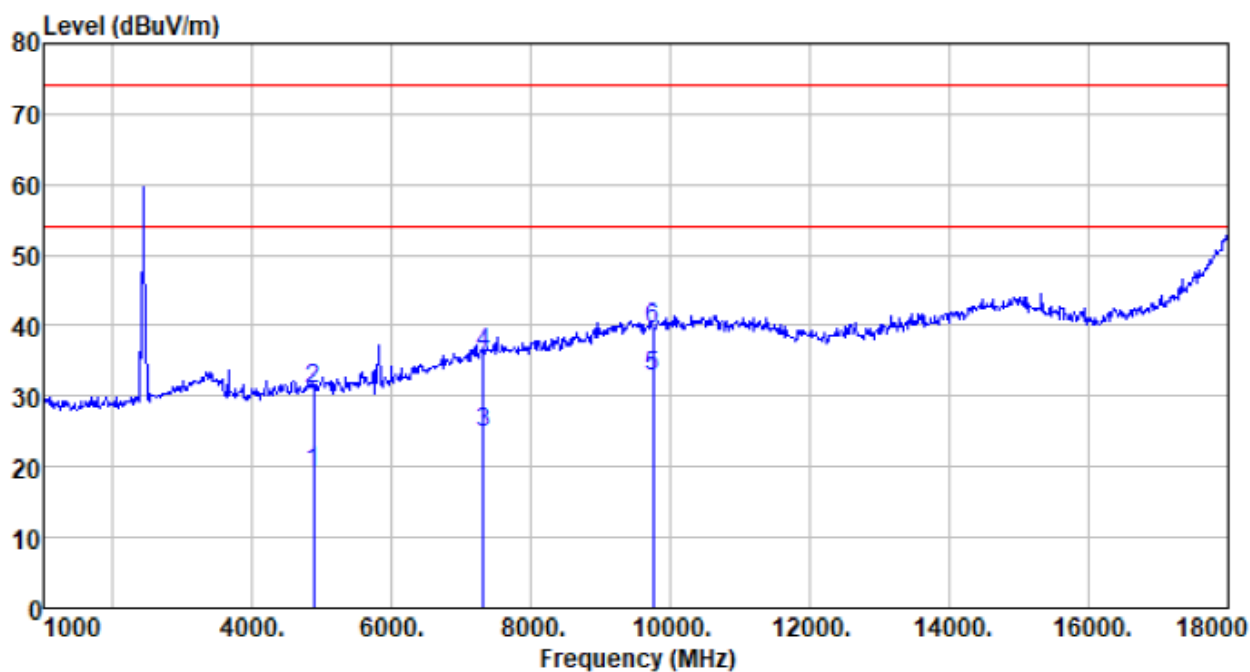
Horizontal:



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
4824.000	20.57	31.91	4.63	37.73	19.38	54.00	-34.62	Average
4824.000	32.16	31.91	4.63	37.73	30.97	74.00	-43.03	Peak
7236.000	18.29	35.86	6.52	35.62	25.05	54.00	-28.95	Average
7236.000	29.83	35.86	6.52	35.62	36.59	74.00	-37.41	Peak
9648.000	20.79	38.26	7.99	34.95	32.09	54.00	-21.91	Average
9648.000	27.98	38.26	7.99	34.95	39.28	74.00	-34.72	Peak

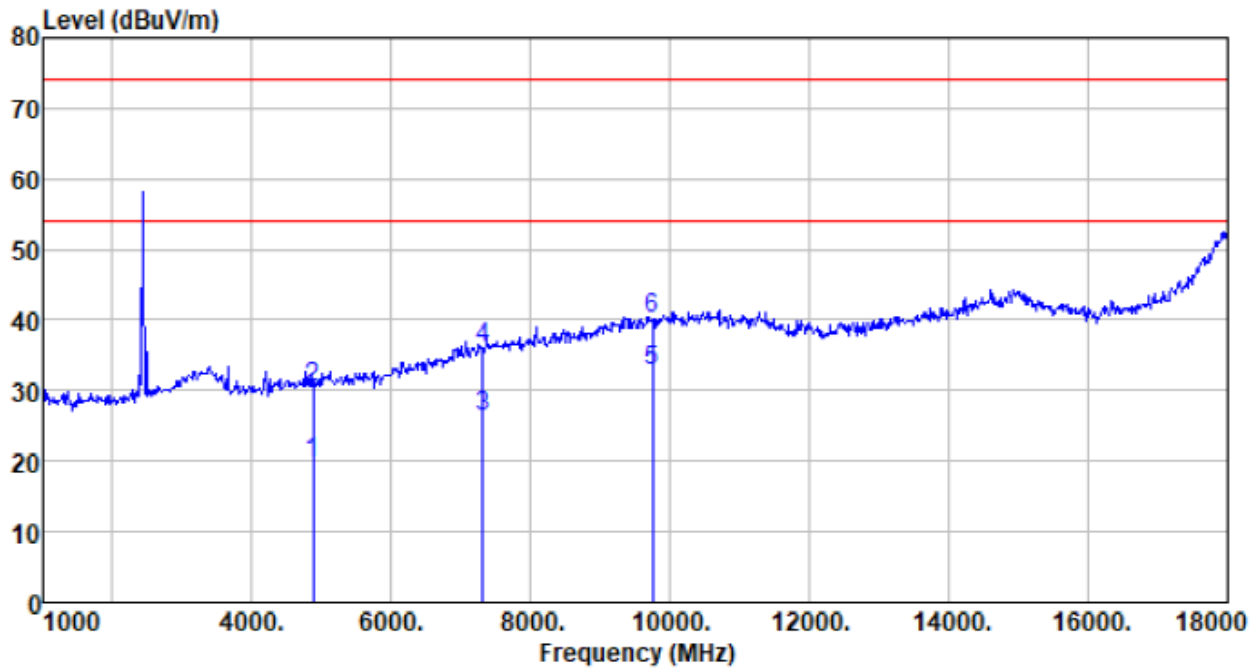
Test mode:	802.11b	Test channel:	Middle
------------	---------	---------------	--------

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
4874.000	20.11	32.02	4.69	37.75	19.07	54.00	-34.93	Average
4874.000	31.95	32.02	4.69	37.75	30.91	74.00	-43.09	Peak
7311.000	17.66	36.07	6.61	35.60	24.74	54.00	-29.26	Average
7311.000	29.01	36.07	6.61	35.60	36.09	74.00	-37.91	Peak
9748.000	21.59	38.30	8.03	35.03	32.89	54.00	-21.11	Average
9748.000	28.31	38.30	8.03	35.03	39.61	74.00	-34.39	Peak

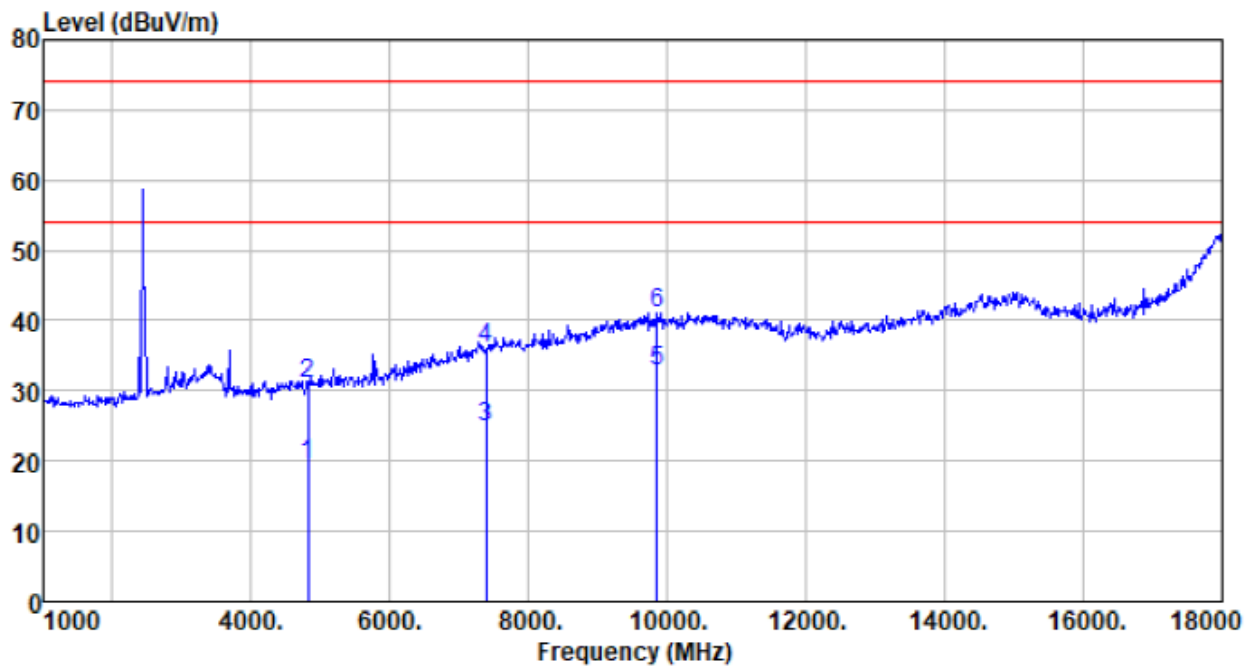
Horizontal:



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
4874.000	20.83	32.02	4.69	37.75	19.79	54.00	-34.21	Average
4874.000	31.49	32.02	4.69	37.75	30.45	74.00	-43.55	Peak
7311.000	19.32	36.07	6.61	35.60	26.40	54.00	-27.60	Average
7311.000	28.95	36.07	6.61	35.60	36.03	74.00	-37.97	Peak
9748.000	21.51	38.30	8.03	35.03	32.81	54.00	-21.19	Average
9748.000	28.73	38.30	8.03	35.03	40.03	74.00	-33.97	Peak

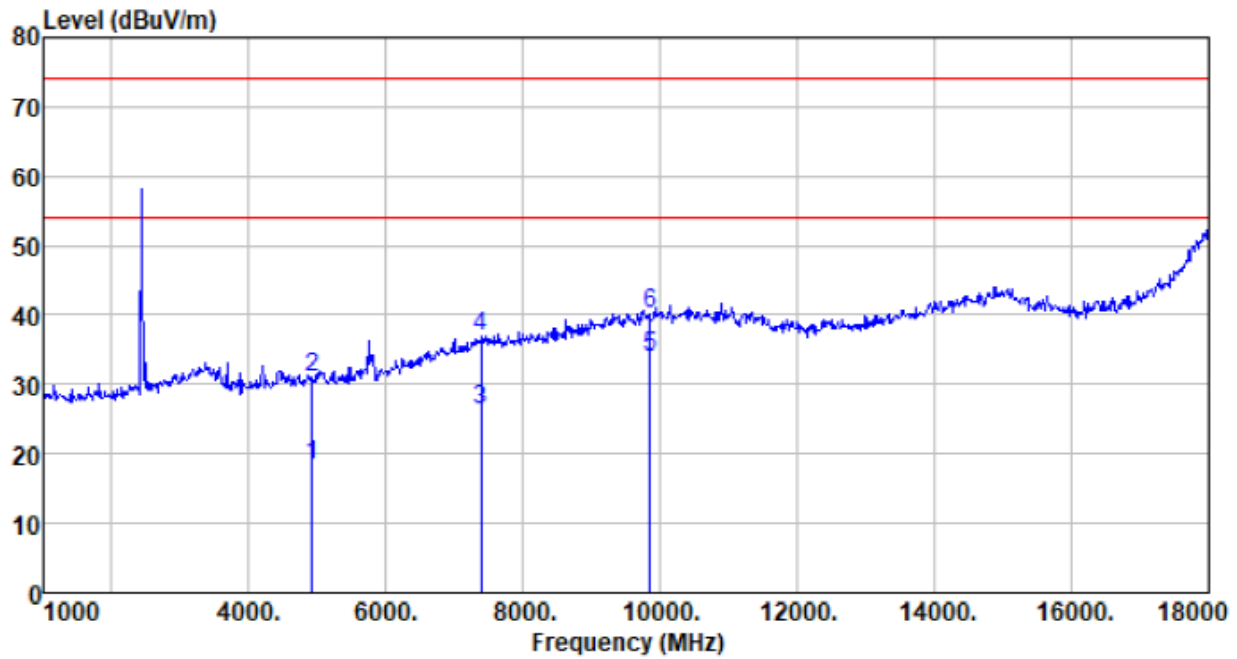
Test mode:	802.11b	Test channel:	Highest
------------	---------	---------------	---------

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
4824.000	20.54	31.91	4.63	37.73	19.35	54.00	-34.65	Average
4824.000	32.06	31.91	4.63	37.73	30.87	74.00	-43.13	Peak
7386.000	17.45	36.28	6.71	35.58	24.86	54.00	-29.14	Average
7386.000	28.71	36.28	6.71	35.58	36.12	74.00	-37.88	Peak
9848.000	21.44	38.34	8.06	35.09	32.75	54.00	-21.25	Average
9848.000	29.71	38.34	8.06	35.09	41.02	74.00	-32.98	Peak

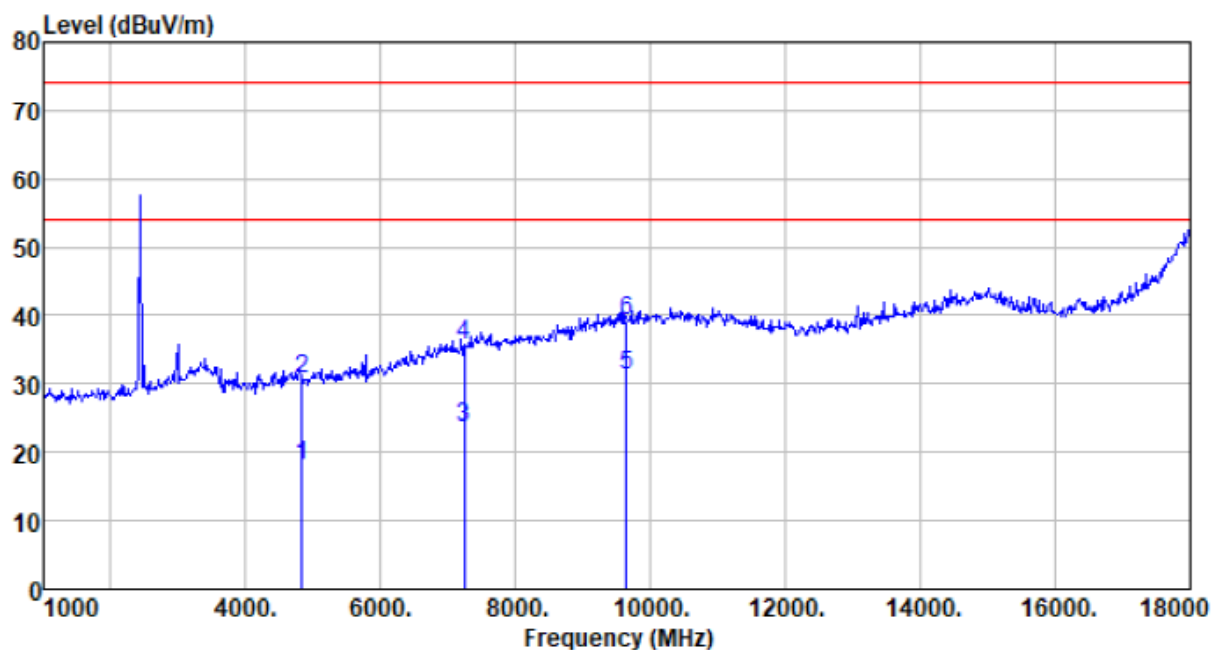
Horizontal:



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
4924.000	19.31	32.13	4.75	37.77	18.42	54.00	-35.58	Average
4924.000	31.74	32.13	4.75	37.77	30.85	74.00	-43.15	Peak
7386.000	18.89	36.28	6.71	35.58	26.30	54.00	-27.70	Average
7386.000	29.46	36.28	6.71	35.58	36.87	74.00	-37.13	Peak
9848.000	22.52	38.34	8.06	35.09	33.83	54.00	-20.17	Average
9848.000	28.76	38.34	8.06	35.09	40.07	74.00	-33.93	Peak

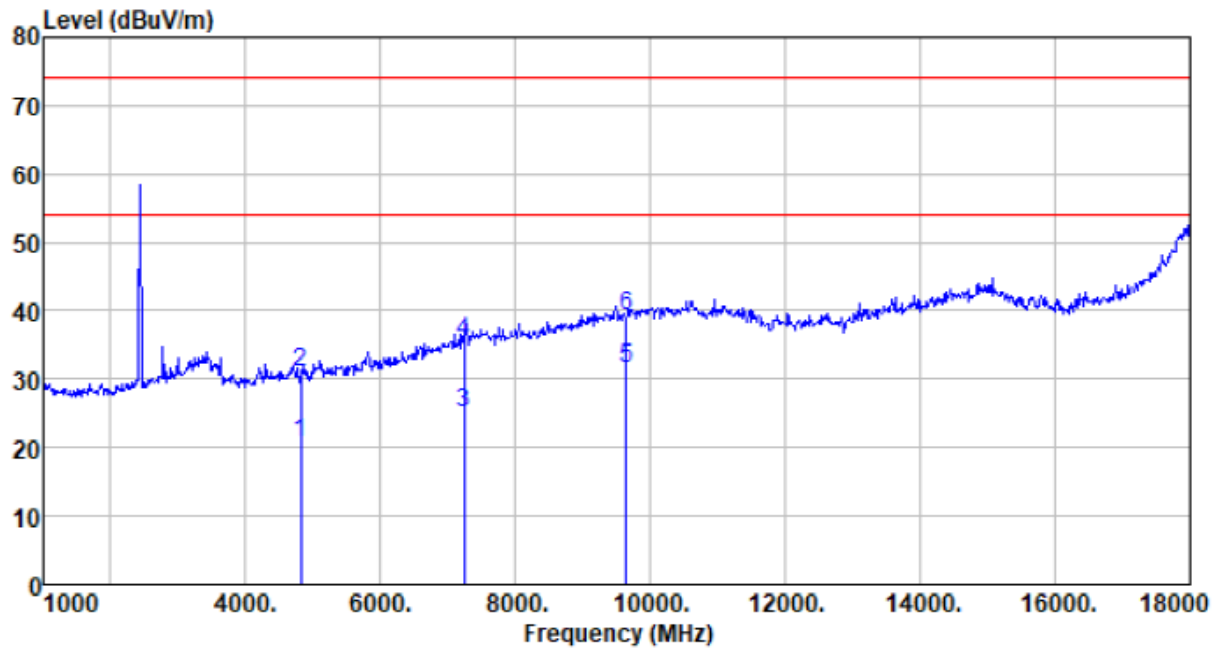
Test mode:	802.11g	Test channel:	lowest
------------	---------	---------------	--------

Vertical:



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamplifier factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4825.000	19.09	31.91	4.63	37.74	17.89	54.00	-36.11	Average
4825.000	31.92	31.91	4.63	37.74	30.72	74.00	-43.28	Peak
7236.000	16.96	35.86	6.52	35.62	23.72	54.00	-30.28	Average
7236.000	28.97	35.86	6.52	35.62	35.73	74.00	-38.27	Peak
9648.000	20.09	38.26	7.99	34.95	31.39	54.00	-22.61	Average
9648.000	27.83	38.26	7.99	34.95	39.13	74.00	-34.87	Peak

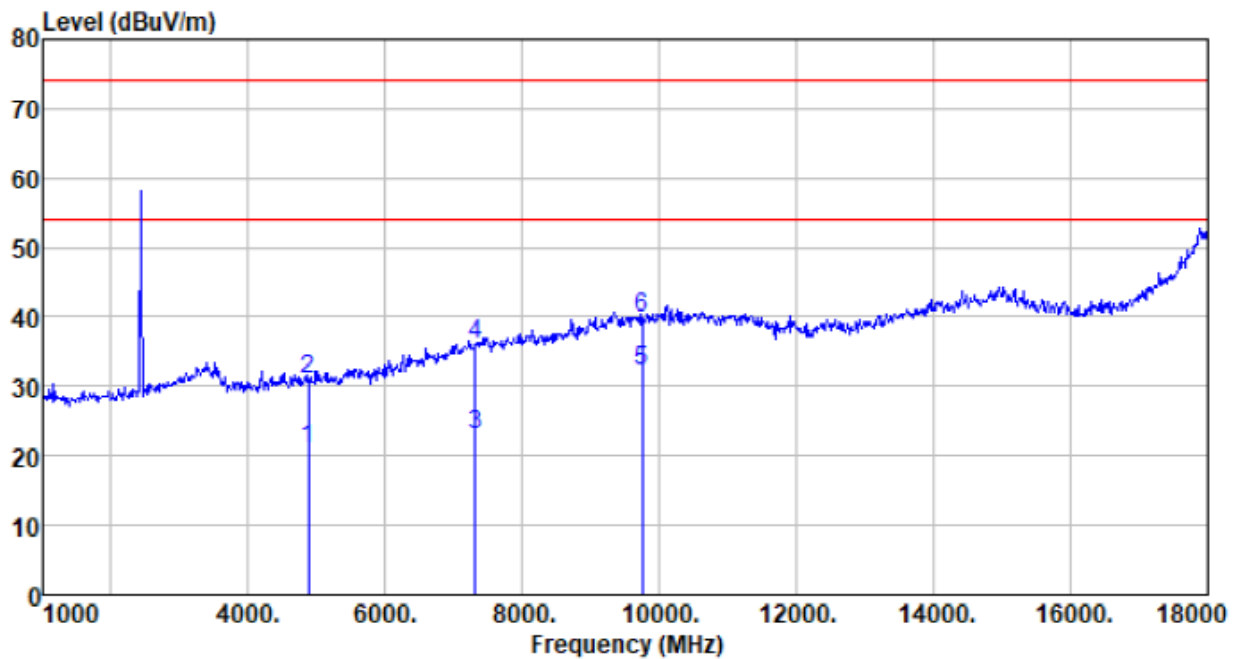
Horizontal:



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
4824.000	21.75	31.91	4.63	37.73	20.56	54.00	-33.44	Average
4824.000	32.18	31.91	4.63	37.73	30.99	74.00	-43.01	Peak
7236.000	18.47	35.86	6.52	35.62	25.23	54.00	-28.77	Average
7236.000	28.65	35.86	6.52	35.62	35.41	74.00	-38.59	Peak
9648.000	20.41	38.26	7.99	34.95	31.71	54.00	-22.29	Average
9648.000	28.04	38.26	7.99	34.95	39.34	74.00	-34.66	Peak

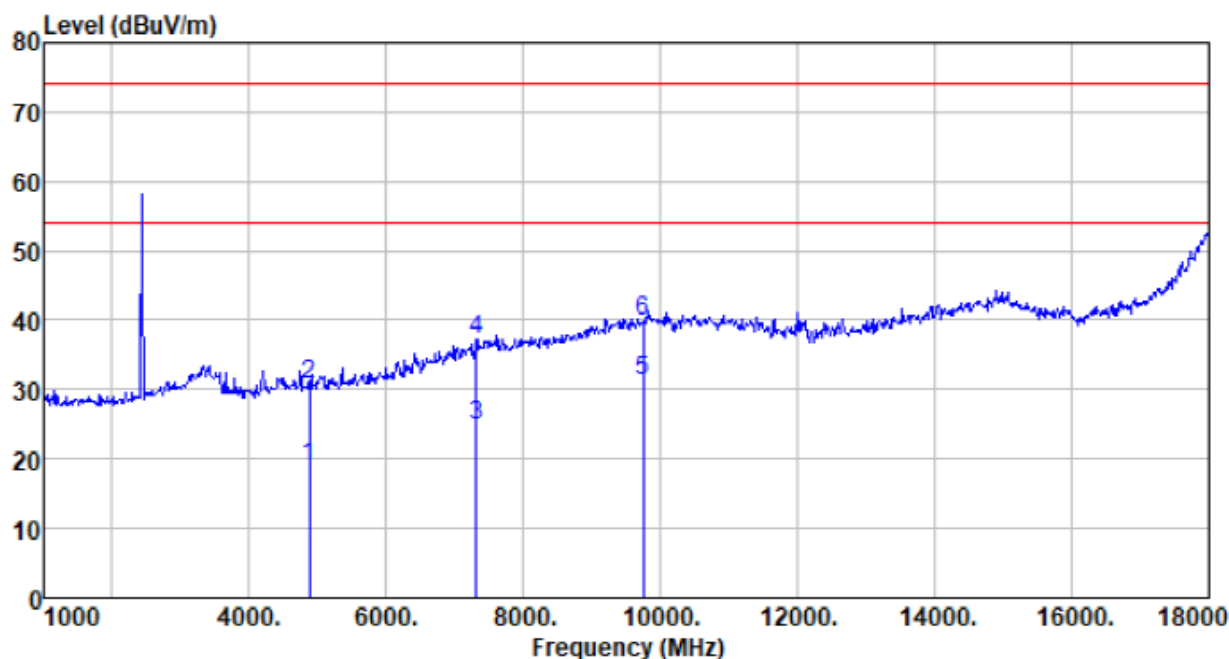
Test mode:	802.11g	Test channel:	Middle
------------	---------	---------------	--------

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
4874.000	22.01	32.02	4.69	37.75	20.97	54.00	-33.03	Average
4874.000	32.04	32.02	4.69	37.75	31.00	74.00	-43.00	Peak
7311.000	16.06	36.07	6.61	35.60	23.14	54.00	-30.86	Average
7311.000	28.80	36.07	6.61	35.60	35.88	74.00	-38.12	Peak
9748.000	20.91	38.30	8.03	35.03	32.21	54.00	-21.79	Average
9748.000	28.53	38.30	8.03	35.03	39.83	74.00	-34.17	Peak

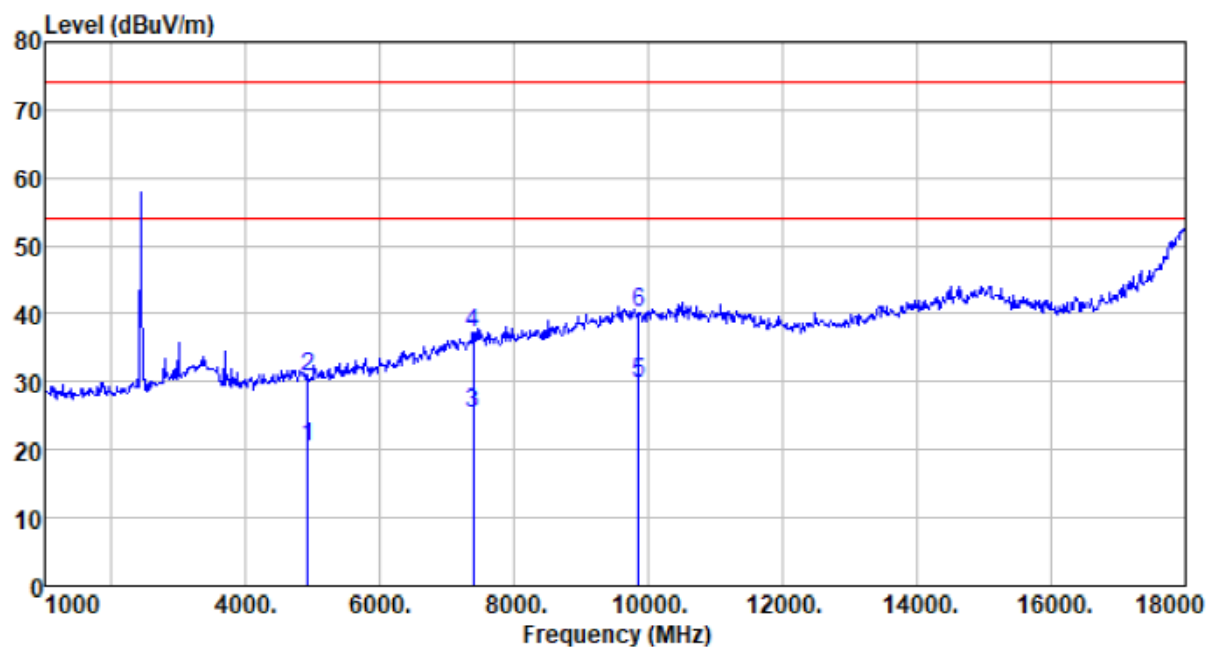
Horizontal:



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
4874.000	20.05	32.02	4.69	37.75	19.01	54.00	-34.99	Average
4874.000	31.76	32.02	4.69	37.75	30.72	74.00	-43.28	Peak
7311.000	17.78	36.07	6.61	35.60	24.86	54.00	-29.14	Average
7311.000	30.03	36.07	6.61	35.60	37.11	74.00	-36.89	Peak
9748.000	20.02	38.30	8.03	35.03	31.32	54.00	-22.68	Average
9748.000	28.41	38.30	8.03	35.03	39.71	74.00	-34.29	Peak

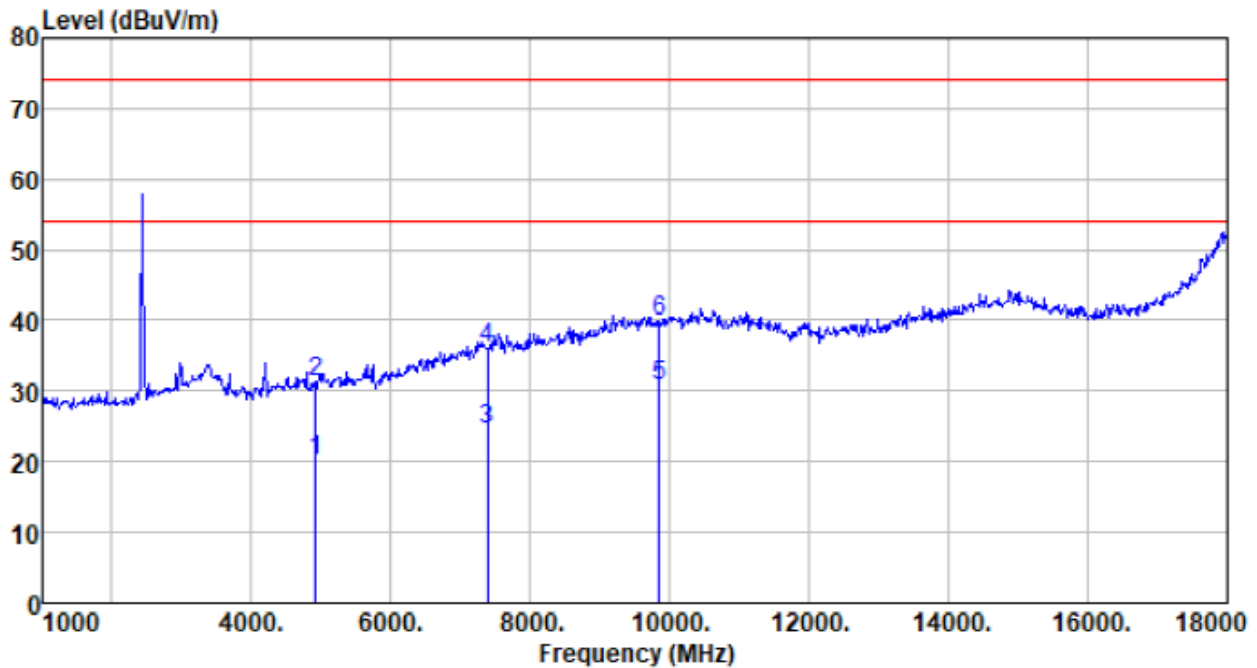
Test mode:	802.11g	Test channel:	Highest
------------	---------	---------------	---------

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
4924.000	21.15	32.13	4.75	37.77	20.26	54.00	-33.74	Average
4924.000	31.49	32.13	4.75	37.77	30.60	74.00	-43.40	Peak
7386.000	18.00	36.28	6.71	35.58	25.41	54.00	-28.59	Average
7386.000	29.67	36.28	6.71	35.58	37.08	74.00	-36.92	Peak
9848.000	18.60	38.34	8.06	35.09	29.91	54.00	-24.09	Average
9848.000	28.96	38.34	8.06	35.09	40.27	74.00	-33.73	Peak

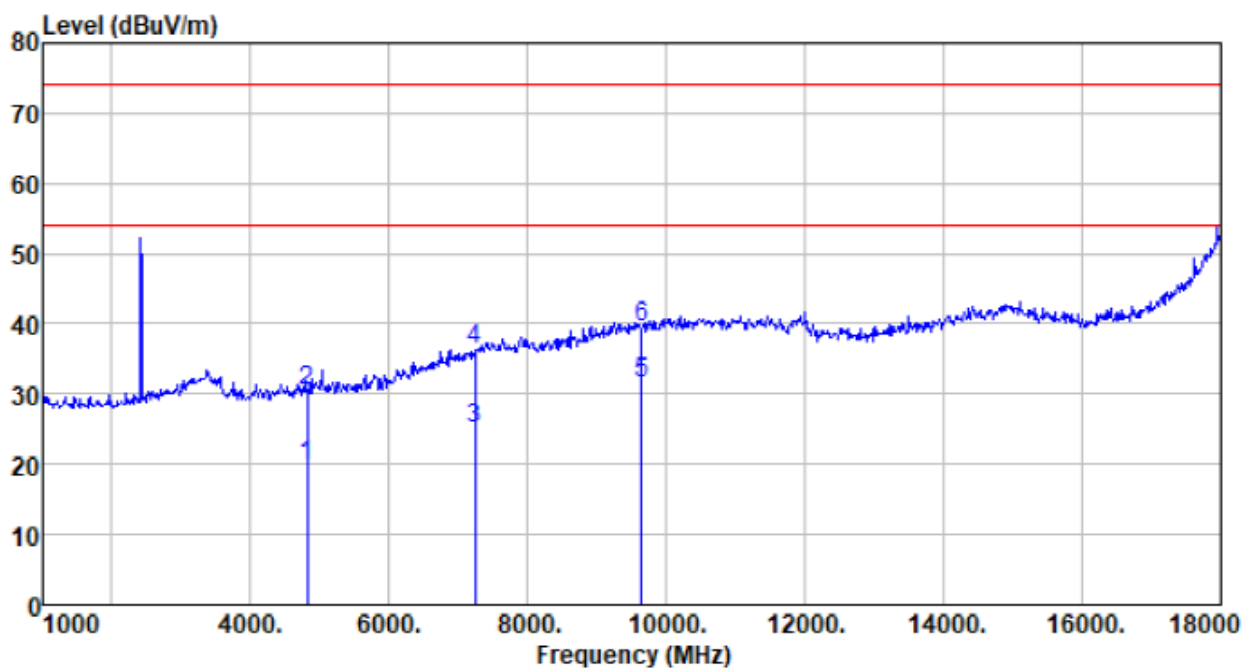
Horizontal:



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
4924.000	21.01	32.13	4.75	37.77	20.12	54.00	-33.88	Average
4924.000	32.05	32.13	4.75	37.77	31.16	74.00	-42.84	Peak
7386.000	17.14	36.28	6.71	35.58	24.55	54.00	-29.45	Average
7386.000	28.55	36.28	6.71	35.58	35.96	74.00	-38.04	Peak
9848.000	19.52	38.34	8.06	35.09	30.83	54.00	-23.17	Average
9848.000	28.46	38.34	8.06	35.09	39.77	74.00	-34.23	Peak

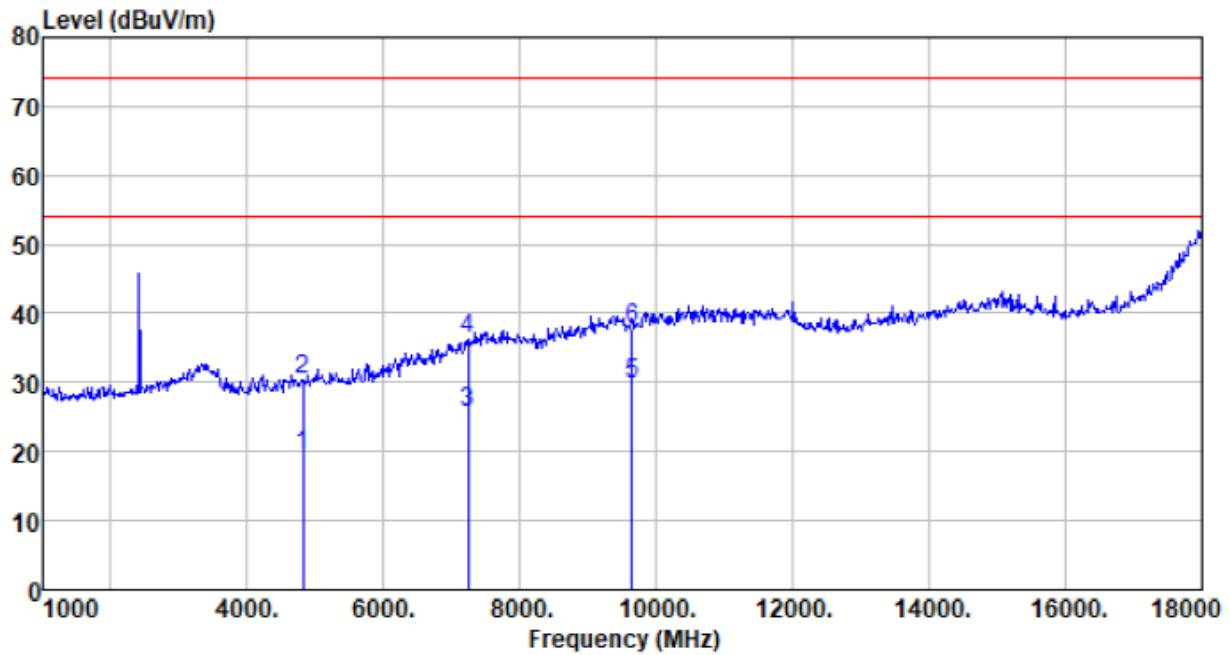
Test mode:	802.11n(HT20)	Test channel:	Lowest
------------	---------------	---------------	--------

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
4824.000	21.01	31.91	4.63	37.73	19.82	54.00	-34.18	Average
4824.000	31.71	31.91	4.63	37.73	30.52	74.00	-43.48	Peak
7236.000	18.20	35.86	6.52	35.62	24.96	54.00	-29.04	Average
7236.000	29.58	35.86	6.52	35.62	36.34	74.00	-37.66	Peak
9648.000	20.17	38.26	7.99	34.95	31.47	54.00	-22.53	Average
9648.000	28.24	38.26	7.99	34.95	39.54	74.00	-34.46	Peak

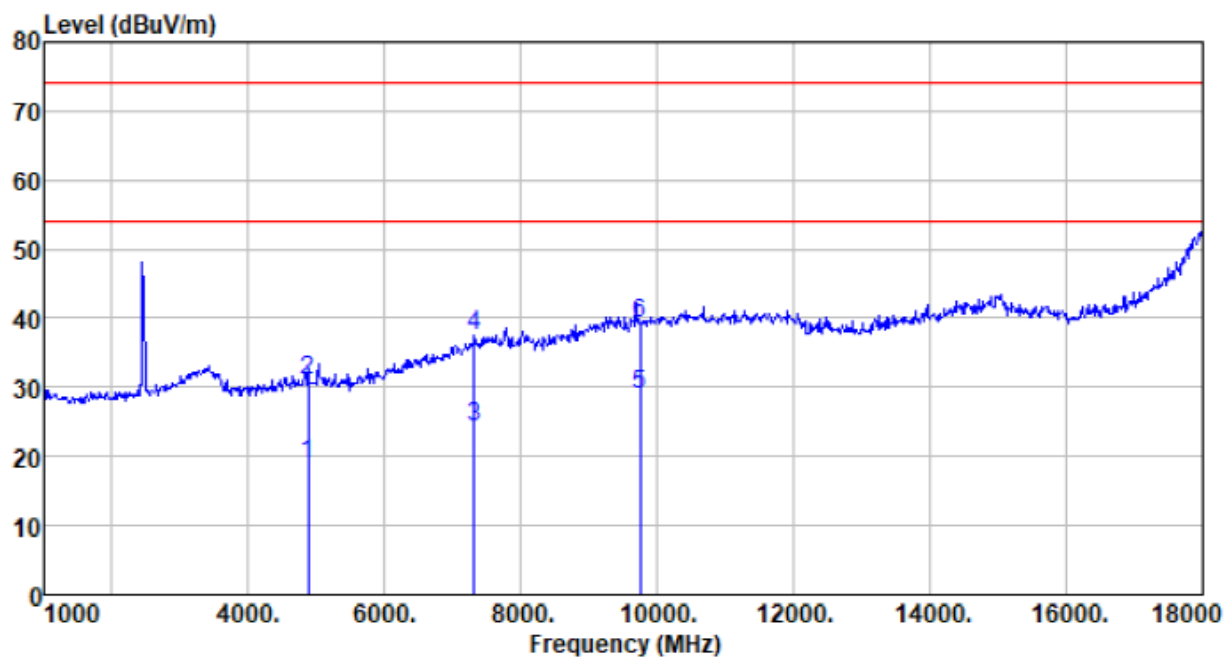
Horizontal:



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
4824.000	20.67	31.91	4.63	37.73	19.48	54.00	-34.52	Average
4824.000	31.52	31.91	4.63	37.73	30.33	74.00	-43.67	Peak
7236.000	19.03	35.86	6.52	35.62	25.79	54.00	-28.21	Average
7236.000	29.51	35.86	6.52	35.62	36.27	74.00	-37.73	Peak
9648.000	18.60	38.26	7.99	34.95	29.90	54.00	-24.10	Average
9648.000	26.51	38.26	7.99	34.95	37.81	74.00	-36.19	Peak

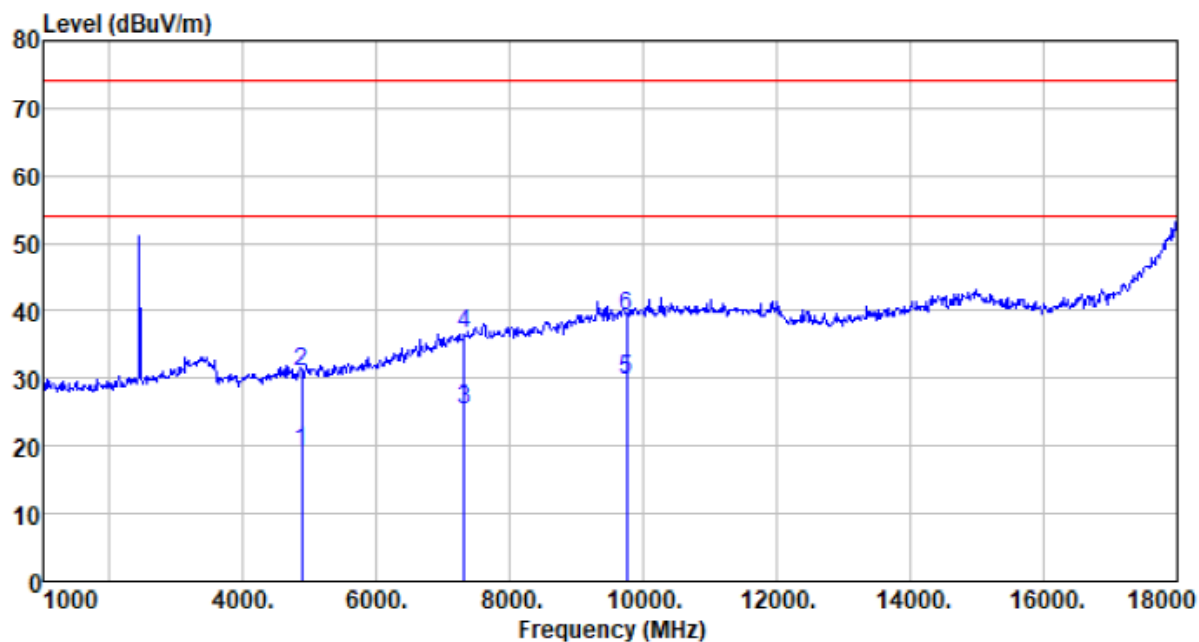
Test mode:	802.11n(HT20)	Test channel:	Middle
------------	---------------	---------------	--------

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
4874.000	19.99	32.02	4.69	37.75	18.95	54.00	-35.05	Average
4874.000	32.01	32.02	4.69	37.75	30.97	74.00	-43.03	Peak
7311.000	17.18	36.07	6.61	35.60	24.26	54.00	-29.74	Average
7311.000	30.55	36.07	6.61	35.60	37.63	74.00	-36.37	Peak
9748.000	17.64	38.30	8.03	35.03	28.94	54.00	-25.06	Average
9748.000	27.84	38.30	8.03	35.03	39.14	74.00	-34.86	Peak

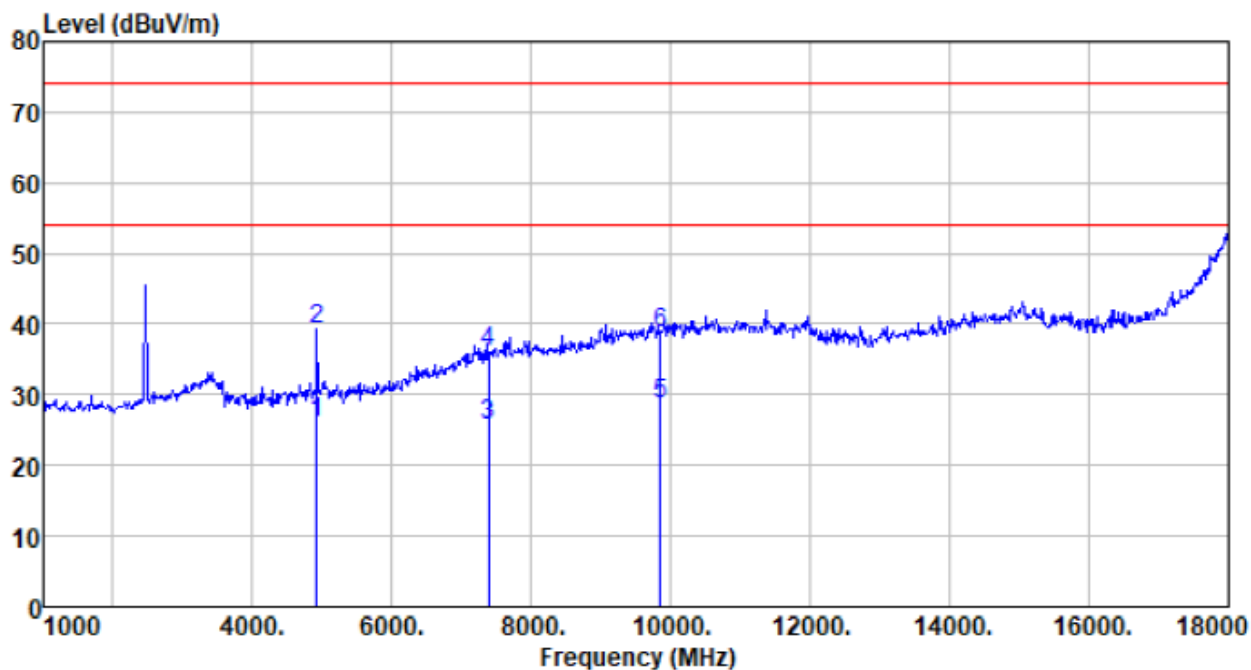
Horizontal:



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
4874.000	20.25	32.02	4.69	37.75	19.21	54.00	-34.79	Average
4874.000	31.97	32.02	4.69	37.75	30.93	74.00	-43.07	Peak
7311.000	18.38	36.07	6.61	35.60	25.46	54.00	-28.54	Average
7311.000	29.45	36.07	6.61	35.60	36.53	74.00	-37.47	Peak
9748.000	18.61	38.30	8.03	35.03	29.91	54.00	-24.09	Average
9748.000	28.06	38.30	8.03	35.03	39.36	74.00	-34.64	Peak

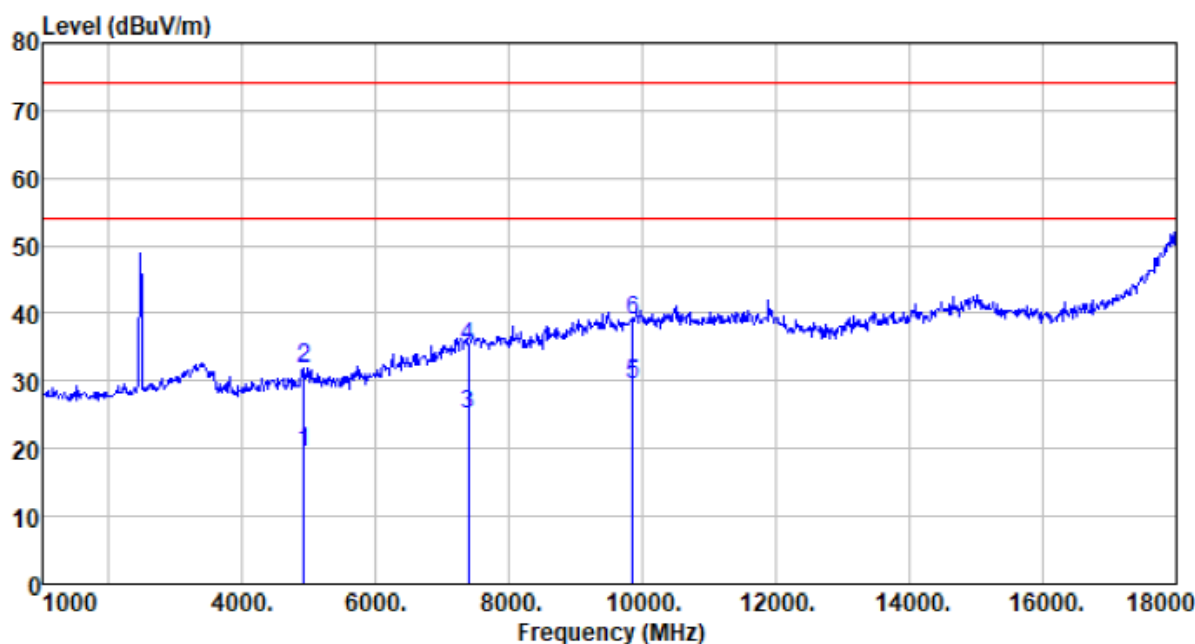
Test mode:	802.11n(HT20)	Test channel:	Highest
------------	---------------	---------------	---------

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
4924.000	26.84	32.13	4.75	37.77	25.95	54.00	-28.05	Average
4924.000	40.04	32.13	4.75	37.77	39.15	74.00	-34.85	Peak
7386.000	18.17	36.28	6.71	35.58	25.58	54.00	-28.42	Average
7386.000	28.56	36.28	6.71	35.58	35.97	74.00	-38.03	Peak
9848.000	17.22	38.34	8.06	35.09	28.53	54.00	-25.47	Average
9848.000	27.42	38.34	8.06	35.09	38.73	74.00	-35.27	Peak

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
4924.000	20.48	32.13	4.75	37.77	19.59	54.00	-34.41	Average
4924.000	32.84	32.13	4.75	37.77	31.95	74.00	-42.05	Peak
7386.000	17.58	36.28	6.71	35.58	24.99	54.00	-29.01	Average
7386.000	27.64	36.28	6.71	35.58	35.05	74.00	-38.95	Peak
9848.000	18.20	38.34	8.06	35.09	29.51	54.00	-24.49	Average
9848.000	27.59	38.34	8.06	35.09	38.90	74.00	-35.10	Peak

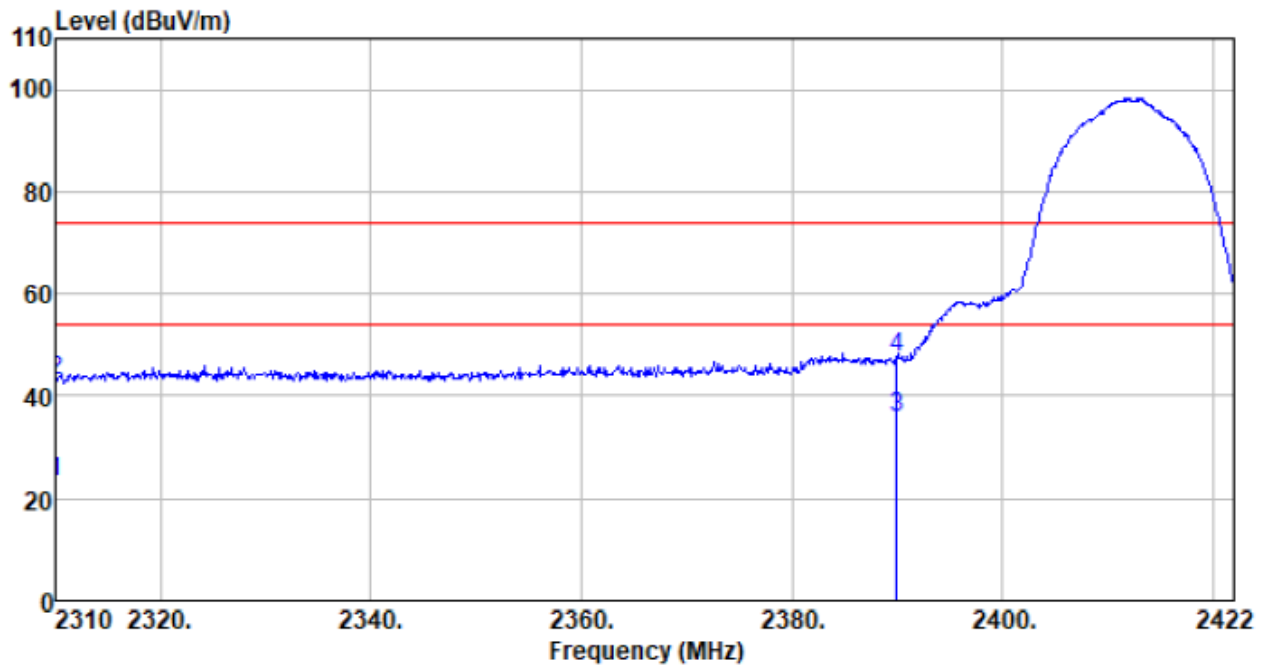
Notes:

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

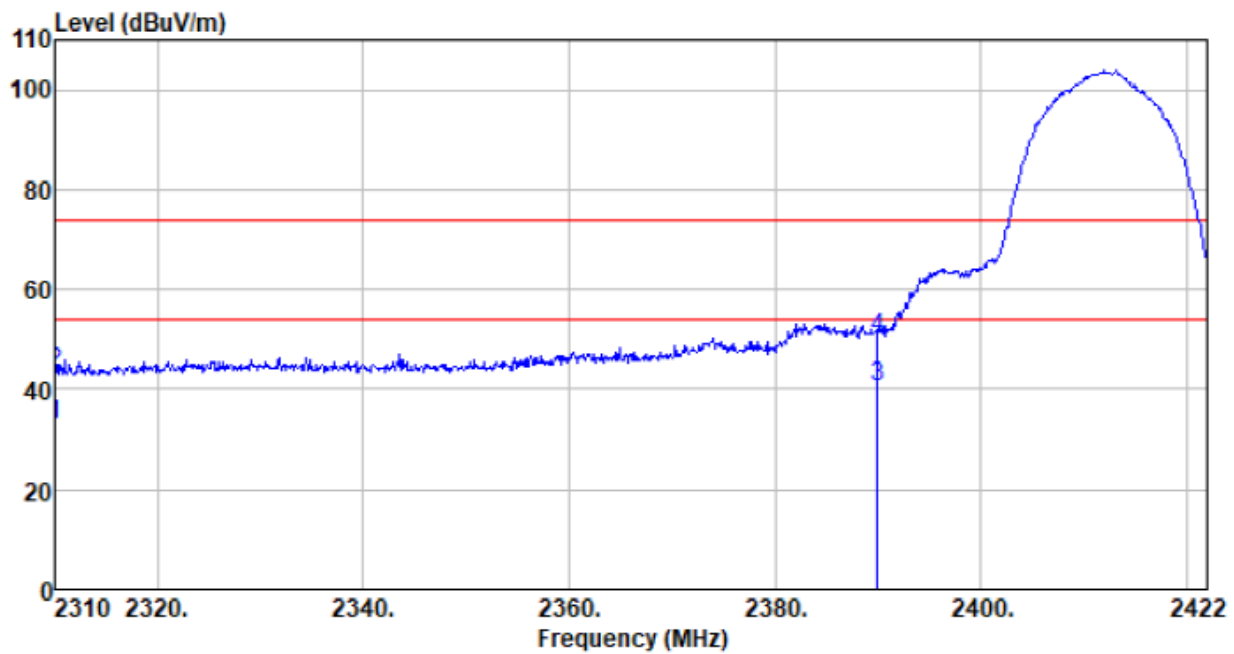
Test mode:	802.11b	Test channel:	Lowest
------------	---------	---------------	--------

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
2310.000	23.98	26.81	2.81	30.43	23.17	54.00	-30.83	Average
2310.000	43.92	26.81	2.81	30.43	43.11	74.00	-30.89	Peak
2390.000	35.91	27.01	2.91	30.24	35.59	54.00	-18.41	Average
2390.000	47.70	27.01	2.91	30.24	47.38	74.00	-26.62	Peak

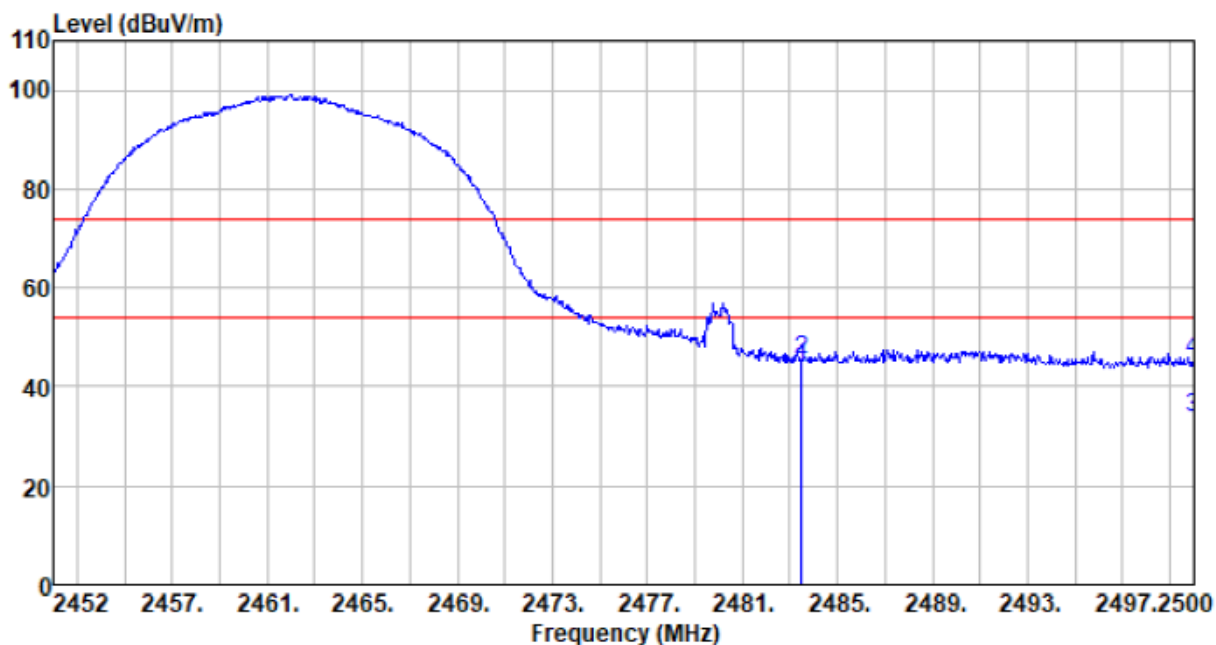
Vertical:



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
2310.000	33.71	26.81	2.81	30.43	32.90	54.00	-21.10	Average
2310.000	44.43	26.81	2.81	30.43	43.62	74.00	-30.38	Peak
2390.000	41.01	27.01	2.91	30.24	40.69	54.00	-13.31	Average
2390.000	50.84	27.01	2.91	30.24	50.52	74.00	-23.48	Peak

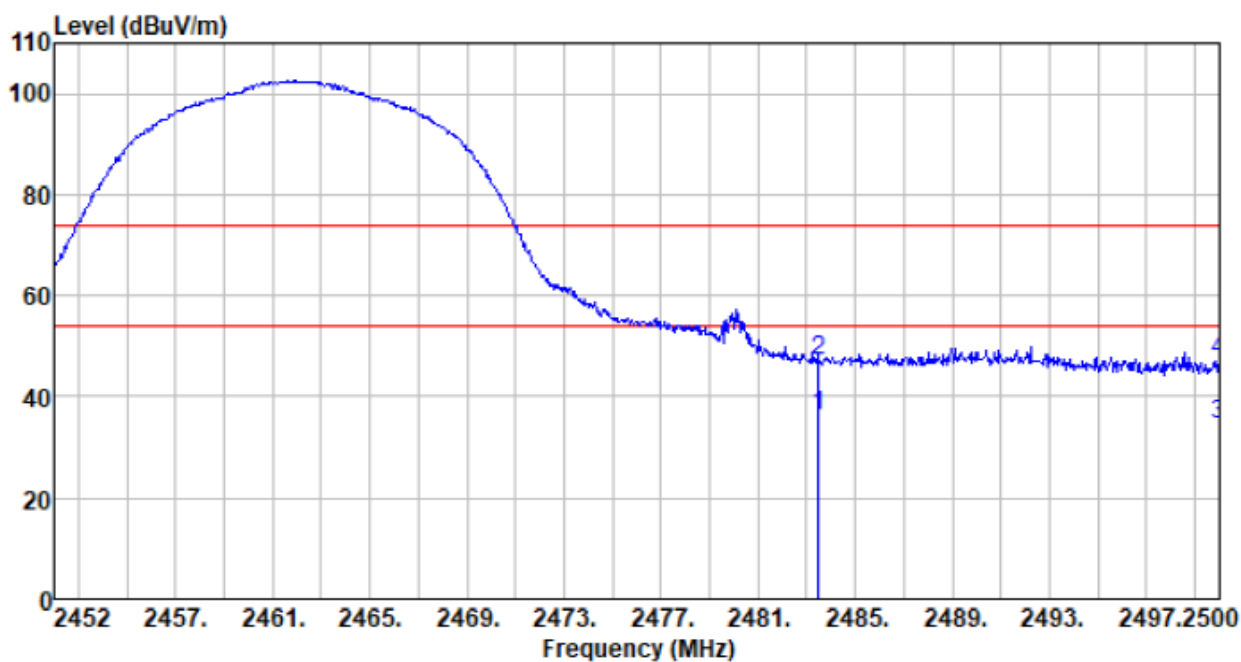
Test mode:	802.11b	Test channel:	Highest
------------	---------	---------------	---------

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
2483.500	43.75	27.26	2.99	30.12	43.88	54.00	-10.12	Average
2483.500	45.25	27.26	2.99	30.12	45.38	74.00	-28.62	Peak
2500.000	33.70	27.30	3.01	30.13	33.88	54.00	-20.12	Average
2500.000	45.34	27.30	3.01	30.13	45.52	74.00	-28.48	Peak

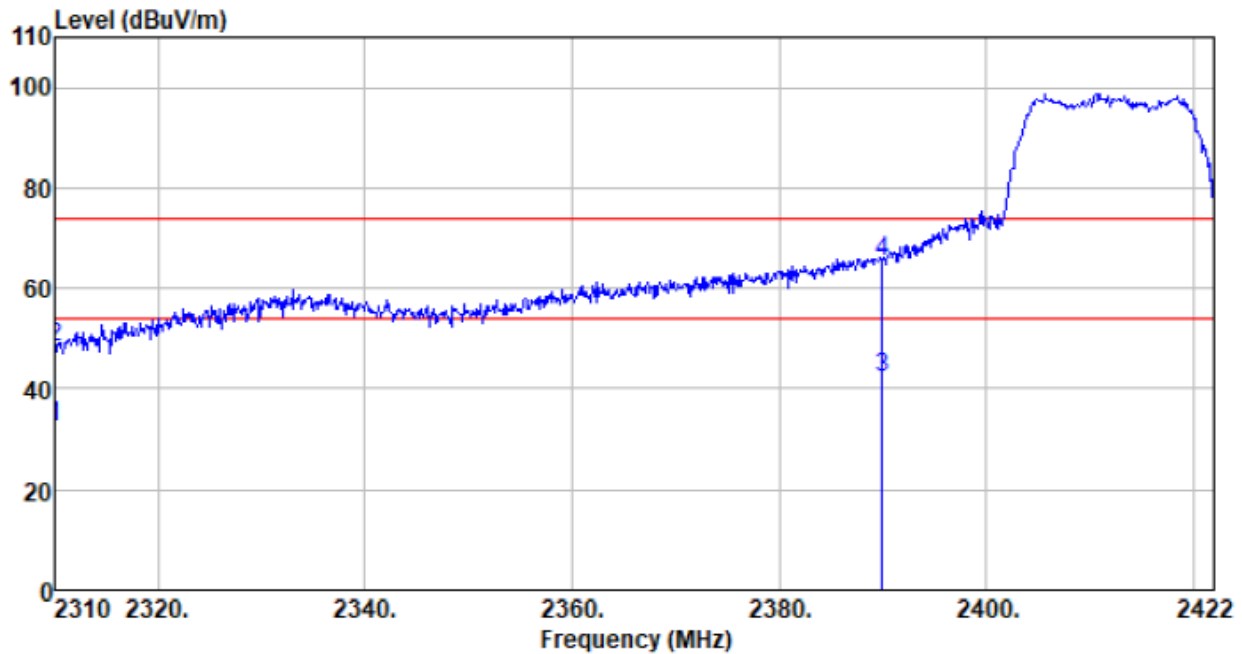
Vertical:



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
2483.500	35.81	27.26	2.99	30.12	35.94	54.00	-18.06	Average
2483.500	46.94	27.26	2.99	30.12	47.07	74.00	-26.93	Peak
2500.000	34.12	27.30	3.01	30.13	34.30	54.00	-19.70	Average
2500.000	46.85	27.30	3.01	30.13	47.03	74.00	-26.97	Peak

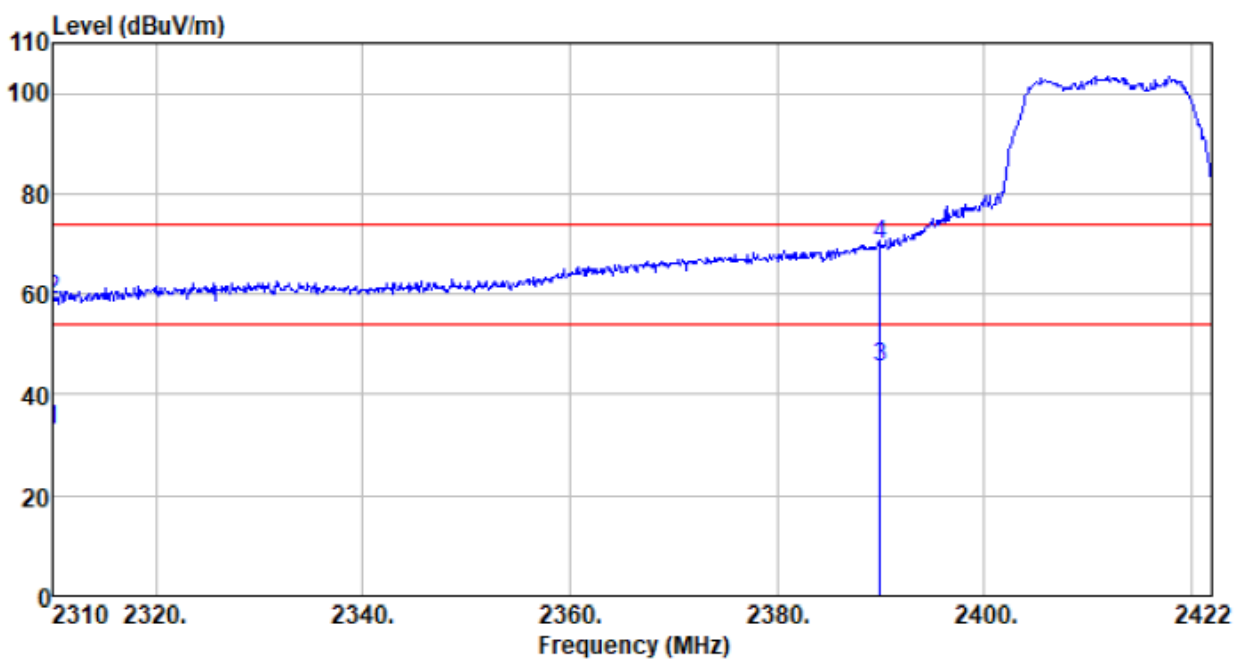
Test mode:	802.11g	Test channel:	Lowest
------------	---------	---------------	--------

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
2310.000	33.18	26.81	2.81	30.43	32.37	54.00	-21.63	Average
2310.000	49.02	26.81	2.81	30.43	48.21	74.00	-25.79	Peak
2390.000	42.43	27.01	2.91	30.24	42.11	54.00	-11.89	Average
2390.000	65.84	27.01	2.91	30.24	65.52	74.00	-8.48	Peak

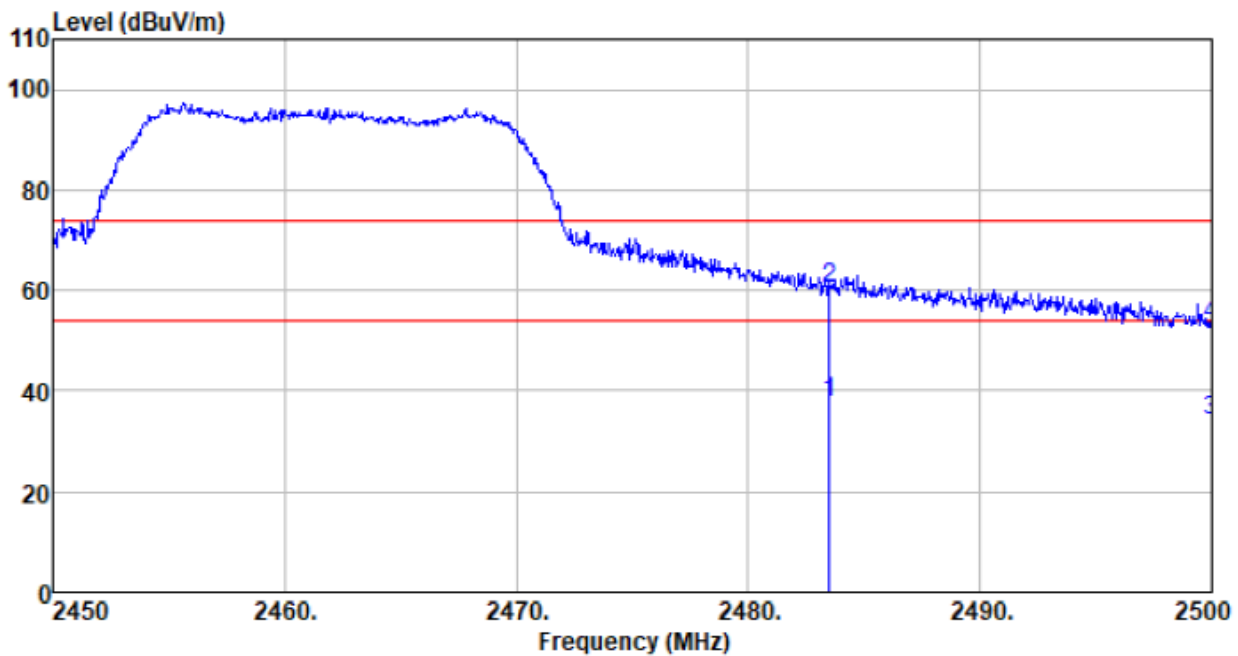
Vertical:



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
2310.000	33.78	26.81	2.81	30.43	32.97	54.00	-21.03	Average
2310.000	59.57	26.81	2.81	30.43	58.76	74.00	-15.24	Peak
2390.000	45.60	27.01	2.91	30.24	45.28	54.00	-8.72	Average
2390.000	70.07	27.01	2.91	30.24	69.75	74.00	-4.25	Peak

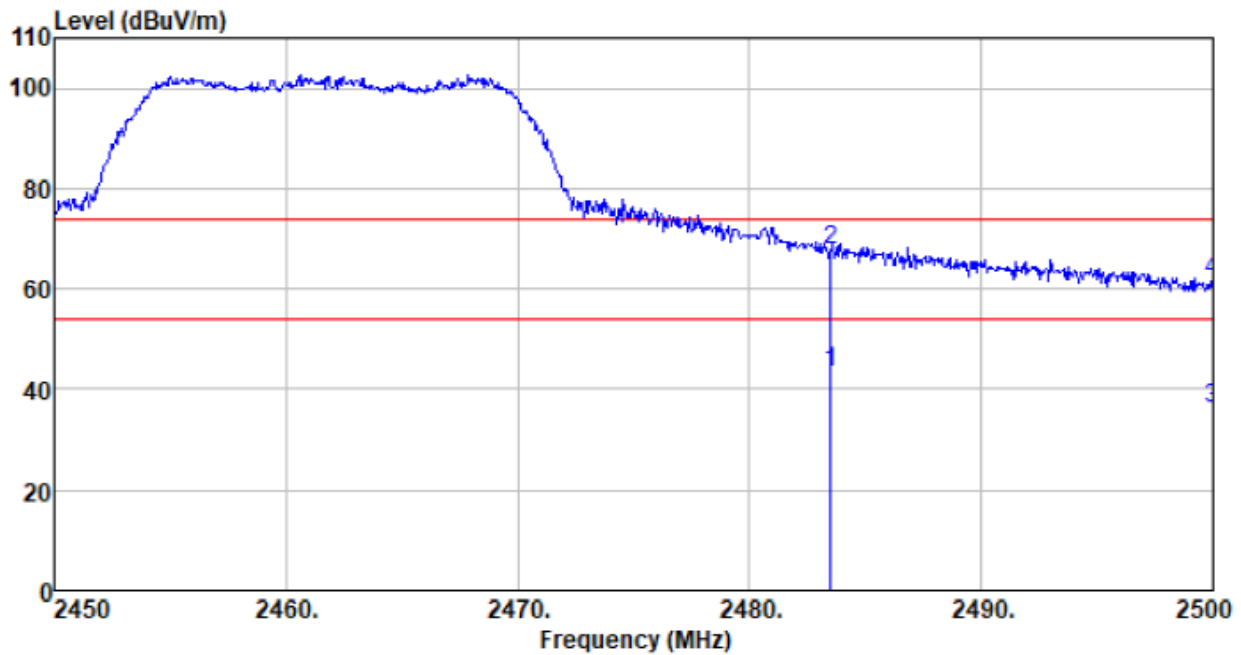
Test mode:	802.11g	Test channel:	Highest
------------	---------	---------------	---------

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
2483.500	37.58	27.26	2.99	30.12	37.71	54.00	-16.29	Average
2483.500	60.27	27.26	2.99	30.12	60.40	74.00	-13.60	Peak
2500.000	33.74	27.30	3.01	30.13	33.92	54.00	-20.08	Average
2500.000	53.07	27.30	3.01	30.13	53.25	74.00	-20.75	Peak

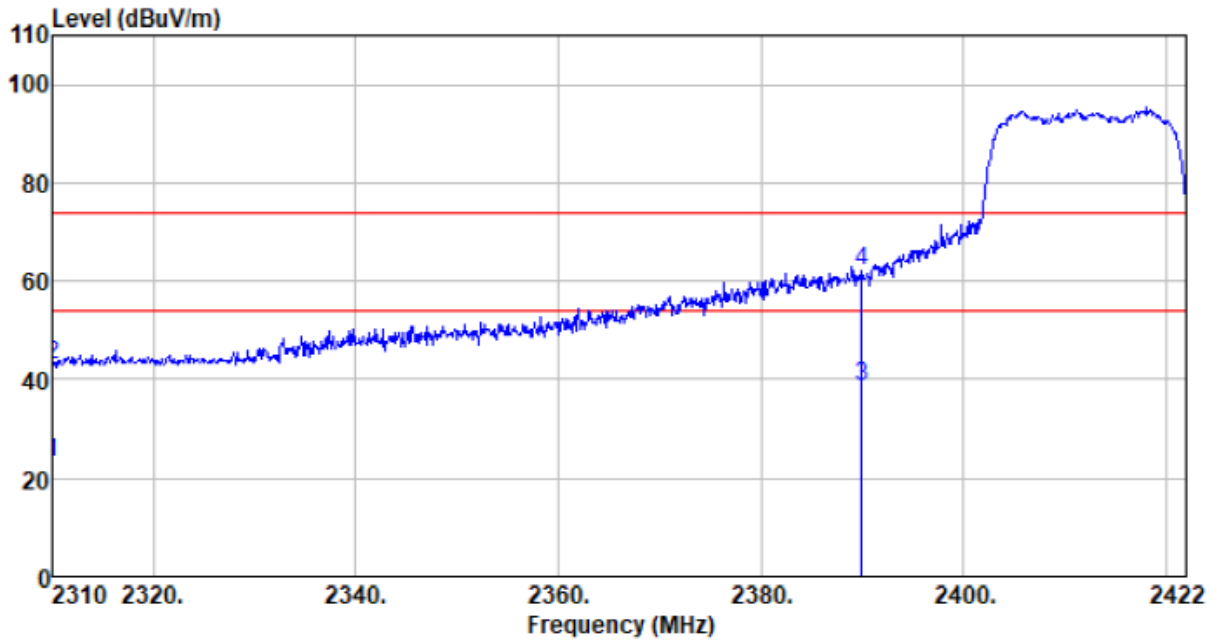
Vertical:



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
2483.500	43.46	27.26	2.99	30.12	43.59	54.00	-10.41	Average
2483.500	67.76	27.26	2.99	30.12	67.89	74.00	-6.11	Peak
2500.000	35.80	27.30	3.01	30.13	35.98	54.00	-18.02	Average
2500.000	61.41	27.30	3.01	30.13	61.59	74.00	-12.41	Peak

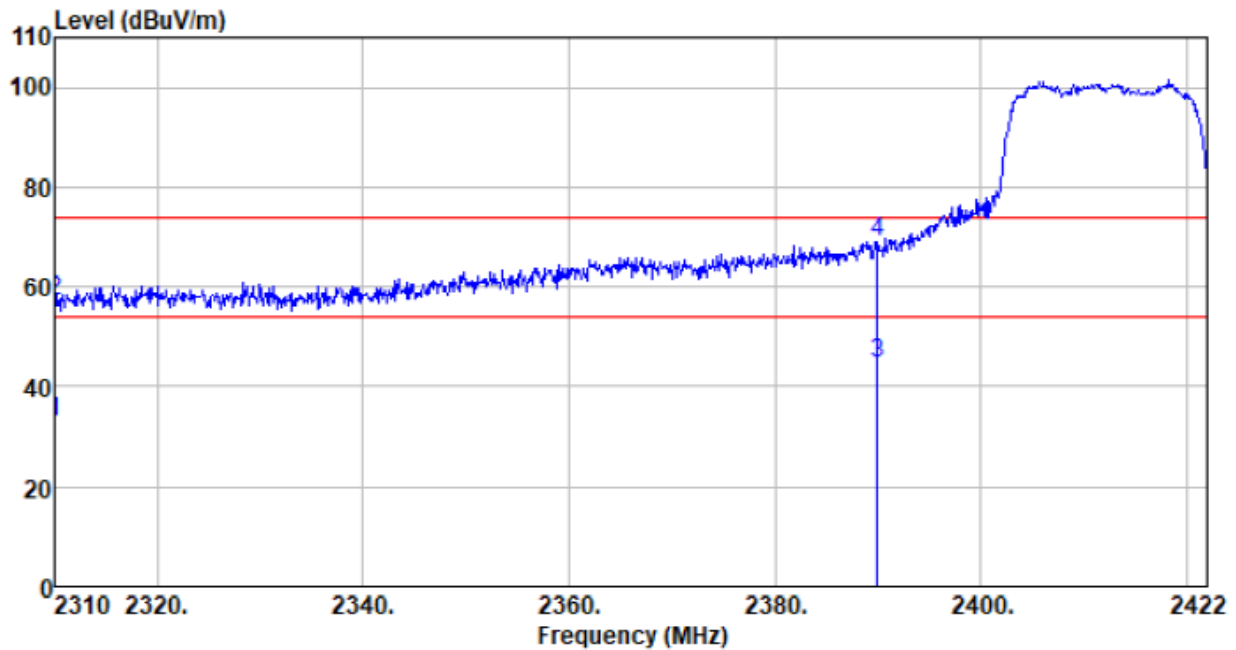
Test mode:	802.11n(HT20)	Test channel:	Lowest
------------	---------------	---------------	--------

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
2310.000	23.78	26.81	2.81	30.43	22.97	54.00	-31.03	Average
2310.000	43.84	26.81	2.81	30.43	43.03	74.00	-30.97	Peak
2390.000	39.03	27.01	2.91	30.24	38.71	54.00	-15.29	Average
2390.000	62.51	27.01	2.91	30.24	62.19	74.00	-11.81	Peak

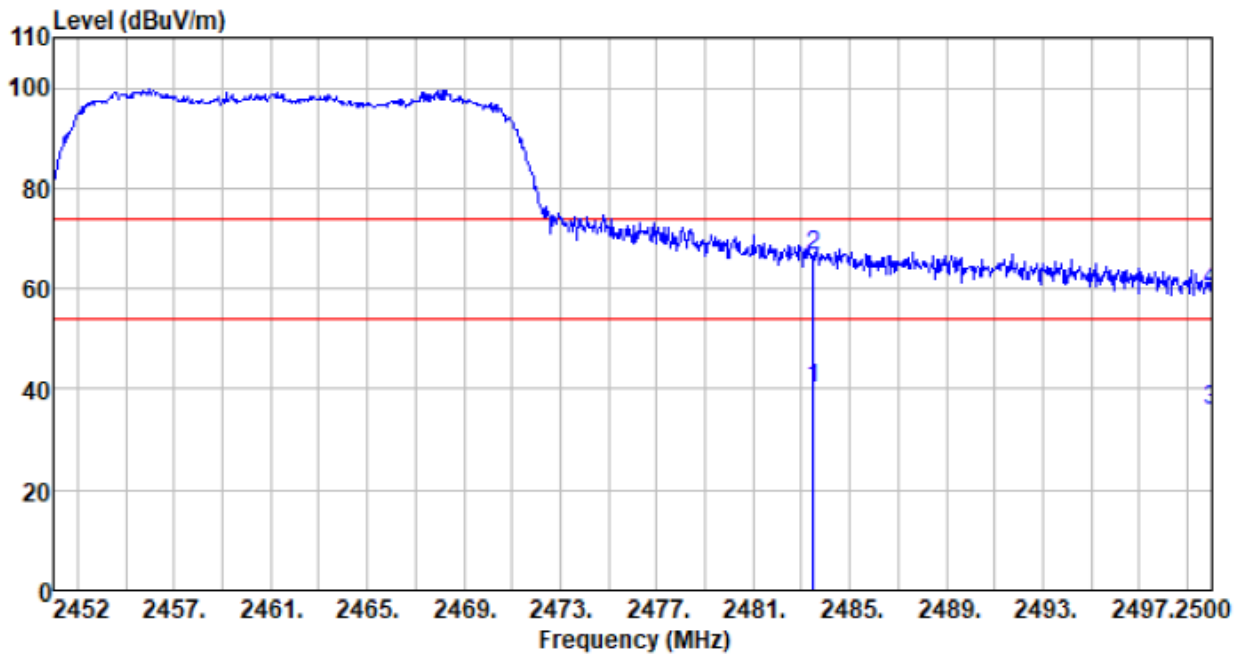
Vertical:



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
2310.000	33.59	26.81	2.81	30.43	32.78	54.00	-21.22	Average
2310.000	57.87	26.81	2.81	30.43	57.06	74.00	-16.94	Peak
2390.000	44.79	27.01	2.91	30.24	44.47	54.00	-9.53	Average
2390.000	69.32	27.01	2.91	30.24	69.00	74.00	-5.00	Peak

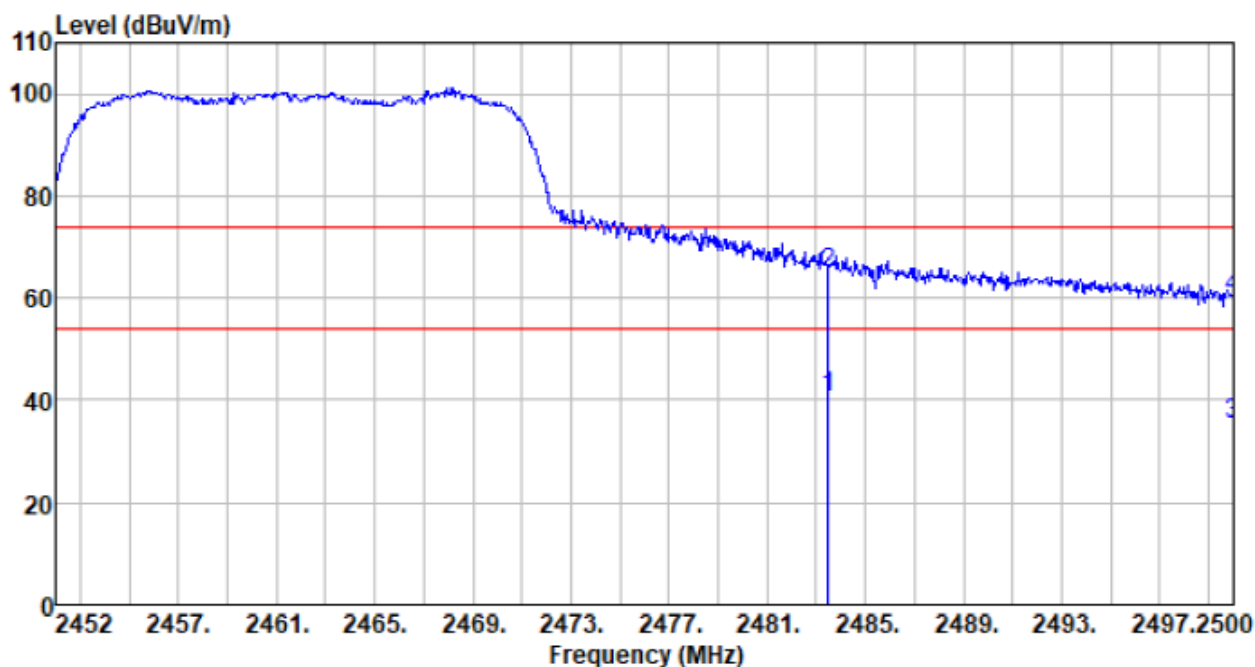
Test mode:	802.11n(HT20)	Test channel:	Highest
------------	---------------	---------------	---------

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
2483.500	40.10	27.26	2.99	30.12	40.23	54.00	-13.77	Average
2483.500	66.39	27.26	2.99	30.12	66.52	74.00	-7.48	Peak
2500.000	35.55	27.30	3.01	30.13	35.73	54.00	-18.27	Average
2500.000	59.34	27.30	3.01	30.13	59.52	74.00	-14.48	Peak

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
2483.500	40.36	27.26	2.99	30.12	40.49	54.00	-13.51	Average
2483.500	64.79	27.26	2.99	30.12	64.92	74.00	-9.08	Peak
2500.000	35.27	27.30	3.01	30.13	35.45	54.00	-18.55	Average
2500.000	60.01	27.30	3.01	30.13	60.19	74.00	-13.81	Peak

Remarks:

1. The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.
2. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
3. 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.

-----End-----