CFR 47 FCC PART 15 SUBPART C
ISED RSS-247 ISSUE 2

TEST REPORT

For

T1 Wireless

MODEL NUMBER: T1000

REPORT NUMBER: 4790790773-2-RF-1

ISSUE DATE: April 27, 2023

FCC ID: 2A6RN-T1000

IC: 28517-T1000

Prepared for

Shenzhen Typhur Technology Co., Ltd
22 Floor, Prince Plaza, 51 Taizi Road Shuiwan Community, Zhaoshang Shenzhen China

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China

Tel: +86 769 22038881
Fax: +86 769 33244054
Website: www.ul.com

Revision History

Rev.	Issue Date	Revisions	Revised By
V0	April 27, 2023	Initial Issue	

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Radiated Band edge and Spurious Emission	ANSI C63.10-2013, Clause 11.12 & Clause 11.13	FCC Part 15.247 (d) FCC Part 15.205/15.209 RSS-247 Clause 5.5 RSS-GEN Clause 8.9	Pass

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.
*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C and ISED RSS-247 ISSUE 2> when <Accuracy Method> decision rule is applied.

Note: This is a C2PC test report. The applicant wants to add one more antenna and the antenna information showed at page 10 clause 5.5, but the power of module remained unchanged. We retest radiated band edge and spurious emission, for more data and information, please refer to the original test report EED32O80604203 which is issued by Centre Testing International Group Co., Ltd on Jun.16, 2022.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	Shenzhen Typhur Technology Co., Ltd
Address:	22 Floor, Prince Plaza, 51 Taizi Road Shuiwan Community, Zhaoshang Shenzhen China

Manufacturer Information

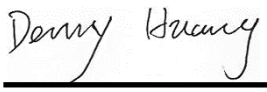
Company Name:	Shenzhen Typhur Technology Co., Ltd
Address:	22 Floor, Prince Plaza, 51 Taizi Road Shuiwan Community, Zhaoshang Shenzhen China

EUT Information

EUT Name:	T1 Wireless
Model:	T1000
Brand:	Typhur
Sample Received Date:	March 31, 2023
Sample Status:	Normal
Sample ID:	5940396
Date of Tested:	April 16, 2023 to April 25, 2023

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 FCC PART 15 SUBPART C	**PASS**
ISED RSS-247 ISSUE 2	**PASS**

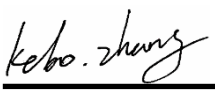
Prepared By:



Denny Huang

Senior Project Engineer

Checked By:



Kebo Zhang

Senior Project Engineer

Approved By:

Stephen Guo

Operations Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C ISED RSS-247 ISSUE 2, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01, CFR 47 FCC Part 2, ANSI C63.10-2013 and ISED RSS-GEN Issue 5.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	**A2LA (Certificate No.: 4102.01)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. **FCC (FCC Designation No.: CN1187)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules **ISED (Company No.: 21320)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. **VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011

Note 1:
All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

Note 2:
The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd.
Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:
For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 26 GHz)	5.78 dB (1 GHz ~ 18 GHz)
	5.23 dB (18 GHz ~ 26 GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	T1 Wireless
Model Name	T1000
Radio Technology	IEEE802.11b/g/n HT20/n HT40
Operation frequency	IEEE 802.11b: 2412MHz ~ 2462MHz IEEE 802.11g: 2412MHz ~ 2462MHz IEEE 802.11n HT20: 2412MHz ~ 2462MHz IEEE 802.11n HT40: 2422MHz ~ 2452MHz
Modulation	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT40: OFDM (64QAM, 16QAM, QPSK, BPSK)
Power Supply	DC 3.3 V

5.2. CHANNEL LIST

Channel List for 802.11b/g/n (20 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	4	2427	7	2442	10	2457
2	2417	5	2432	8	2447	11	2462
3	2422	6	2437	9	2452	/	/

Channel List for 802.11n (40 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	5	2432	7	2442	9	2452
4	2427	6	2437	8	2447	/	/

5.3. TEST CHANNEL CONFIGURATION

IEEE Std. 802.11	Test Channel Number	Frequency
b	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
g	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
n HT20	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
n HT40	CH 3(Low Channel), CH 6(MID Channel), CH 9(High Channel)	2422 MHz, 2437 MHz, 2452 MHz

5.4. THE WORSE CASE CONFIGURATIONS

The EUT was tested in the following configuration(s):

Controlled in test mode using a software application on the EUT supplied by customer. The application was used to enable a continuous transmission and to select the mode, test channels, bandwidth, data rates as required.

Test channels referring to section 5.4.

Maximum power setting referring to section 5.5.

Worst-case data rates as provided by the client were:

802.11b mode: 1 Mbps
802.11g mode: 6 Mbps
802.11n HT20 mode: MCS0
802.11n HT40 mode: MCS0

The customer declared that the maximum conducted output power remain unchanged and we also evaluated and confirmed that the maximum conducted output power remain in the turn-up tolerance.

The confirmed maximum conducted output power was used for all the radiated emission tests.

These were found to be the worst modulation scheme with regards to emissions after preliminary investigations and, as this mode emits the highest conducted output power level, it was deemed to be the worst case.

5.5. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	Maximum Antenna Gain (dBi)
1	2412-2462	PIFA antenna	2.08

Test Mode	Transmit and Receive Mode	Description
IEEE 802.11b	☒1TX, 2RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11g	☒1TX, 2RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11n HT20	☒1TX, 2RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11n HT40	☒1TX, 2RX	ANT 1 can be used as transmitting/receiving antenna.

Note: The value of the antenna gain was declared by customer.

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
/	/	/	/	/

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
/	/	/	/	/	/

ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
1	/	/	/	/

Note: The cable is provided by customer.

TEST SETUP

The EUT can work in engineering mode.

SETUP DIAGRAM FOR TESTS

6. MEASURING EQUIPMENT AND SOFTWARE USED

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Oct.17, 2022	Oct.16, 2023
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Aug.02, 2021	Aug.01, 2024
Preamplifier	HP	8447D	2944A09099	Oct.17, 2022	Oct.16, 2023
EMI Measurement Receiver	R&S	ESR26	101377	Oct.17, 2022	Oct.16, 2023
Horn Antenna	TDK	HRN-0118	130940	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Oct.17, 2022	Oct.16, 2023
Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-2	TRS-307-00003	Oct.17, 2022	Oct.16, 2023
Preamplifier	TDK	PA-02-3	TRS-308-00002	Oct.17, 2022	Oct.16, 2023
Loop antenna	Schwarzbeck	1519B	00008	Dec.14, 2021	Dec.13, 2024
Preamplifier	TDK	PA-02-001-3000	TRS-302-00050	Oct.17, 2022	Oct.16, 2023
Preamplifier	Mini-Circuits	ZX60-83LN-S+	SUP01202035	Oct.17, 2022	Oct.16, 2023
High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	/	/
Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	/	/
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1

7. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209.

Please refer to ISED RSS-GEN Clause 8.9 and Clause 8.10.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
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

ISED General field strength limits at frequencies below 30 MHz

Table 6 – General field strength limits at frequencies below 30 MHz

Frequency	Magnetic field strength (H-Field) (µA/m)	Measurement distance (m)
9 - 490 kHz[Note 1]	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

ISED Restricted bands please refer to ISED RSS-GEN Clause 8.10

Table 7 – Restricted frequency bands[Note 1]		
MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 – 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 – 8500	
108 – 138		

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

FCC Restricted bands of operation refer to FCC §15.205 (a):

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

Note: [1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
[2]Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.

5. The radiated emission limits 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.

6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.

7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X KHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

Above 1 GHz

The setting of the spectrum analyzer

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.6.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

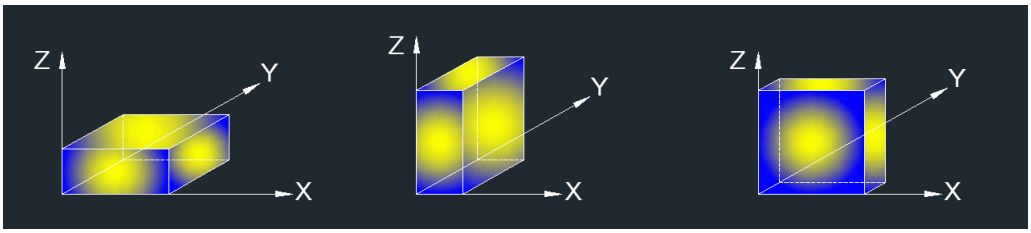
3. The EUT was placed on a turntable with 1.5 m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to the original test report.

X axis, Y axis, Z axis positions:



Note: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

For Restricted Bandedge:
Note:
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.1.
6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):
Note:
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

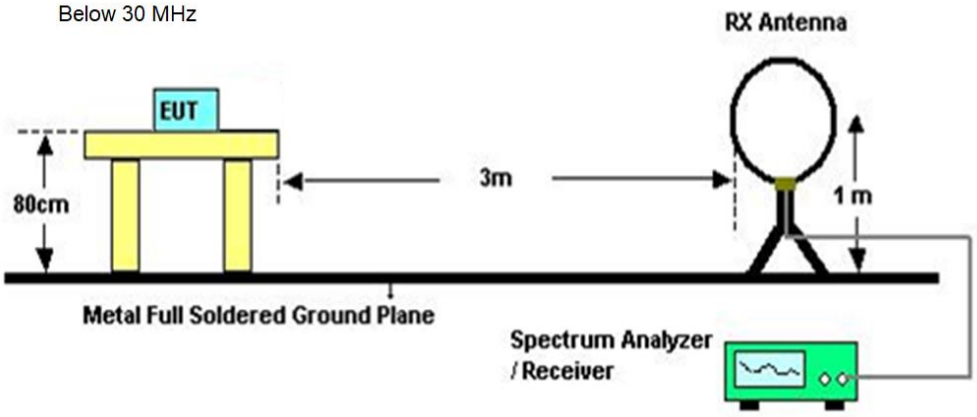
For Radiate Spurious Emission (30 MHz ~ 1 GHz):
Note:
1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 3 GHz):
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.
For Radiate Spurious Emission (3 GHz ~ 18 GHz):
Note:
1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.1.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

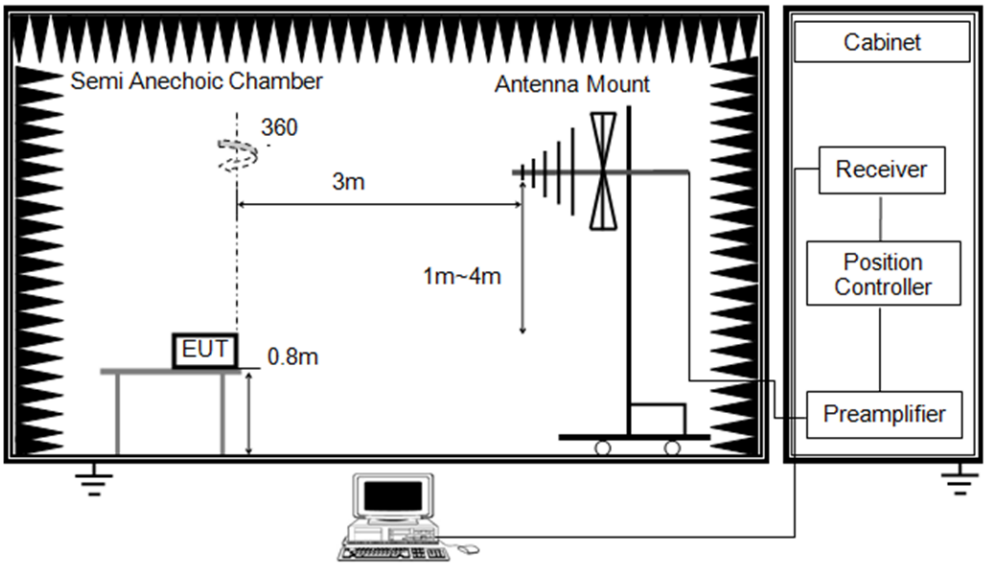
For Radiate Spurious emission (18 GHz ~ 26 GHz):
Note:
1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

TEST SETUP

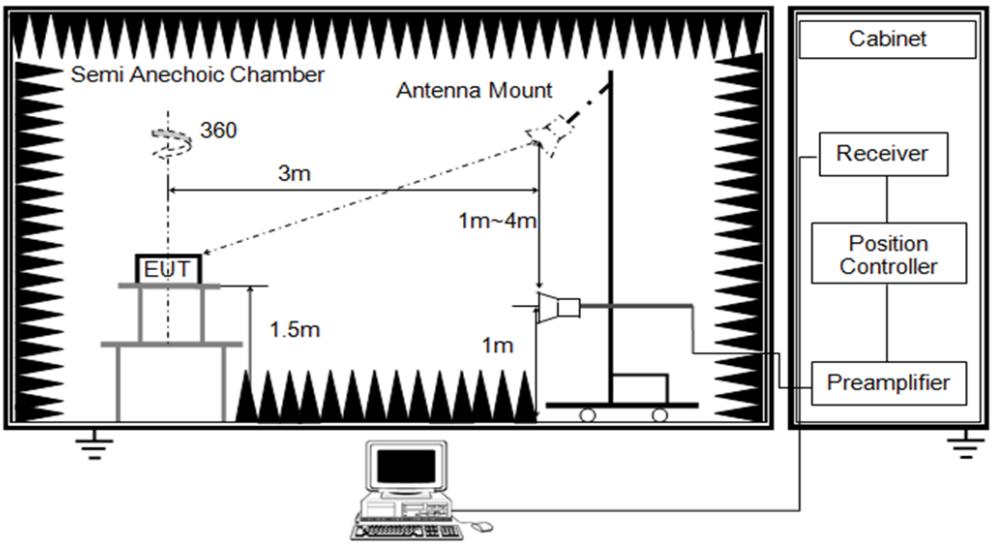
Below 30 MHz



Below 1 GHz and above 30 MHz



Above 1 GHz



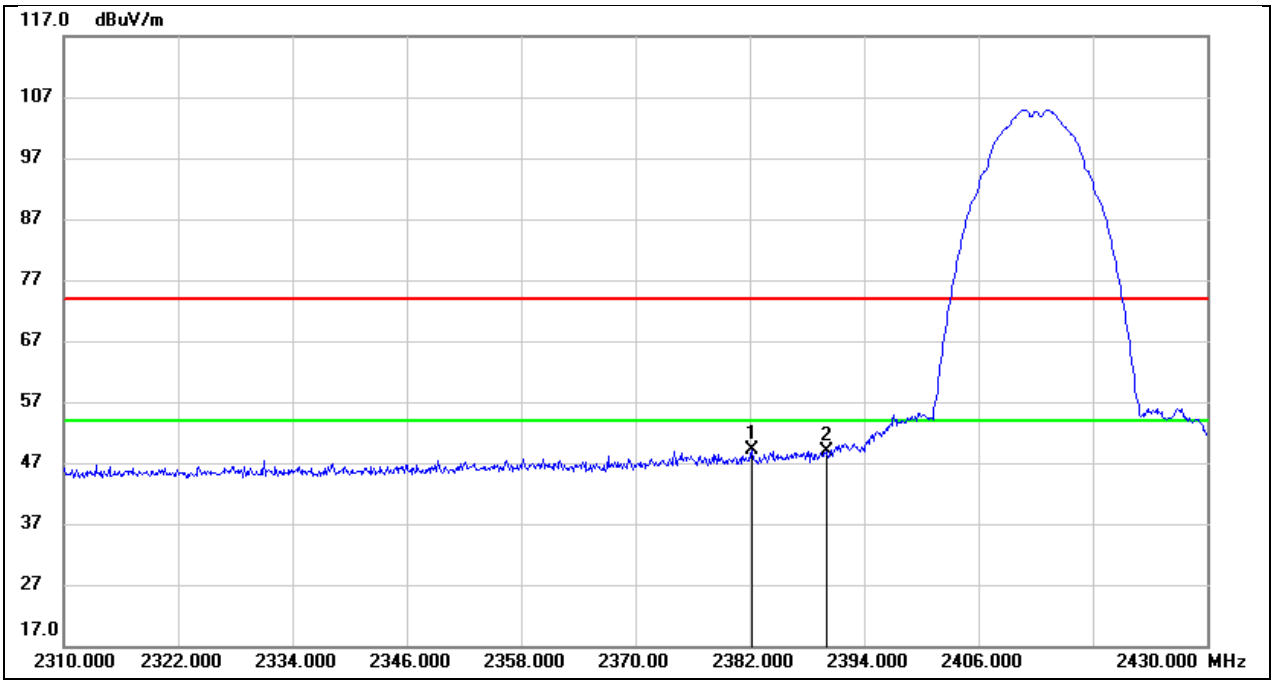
TEST ENVIRONMENT

Temperature	25.1 °C	Relative Humidity	63%
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.3 V

TEST RESULTS

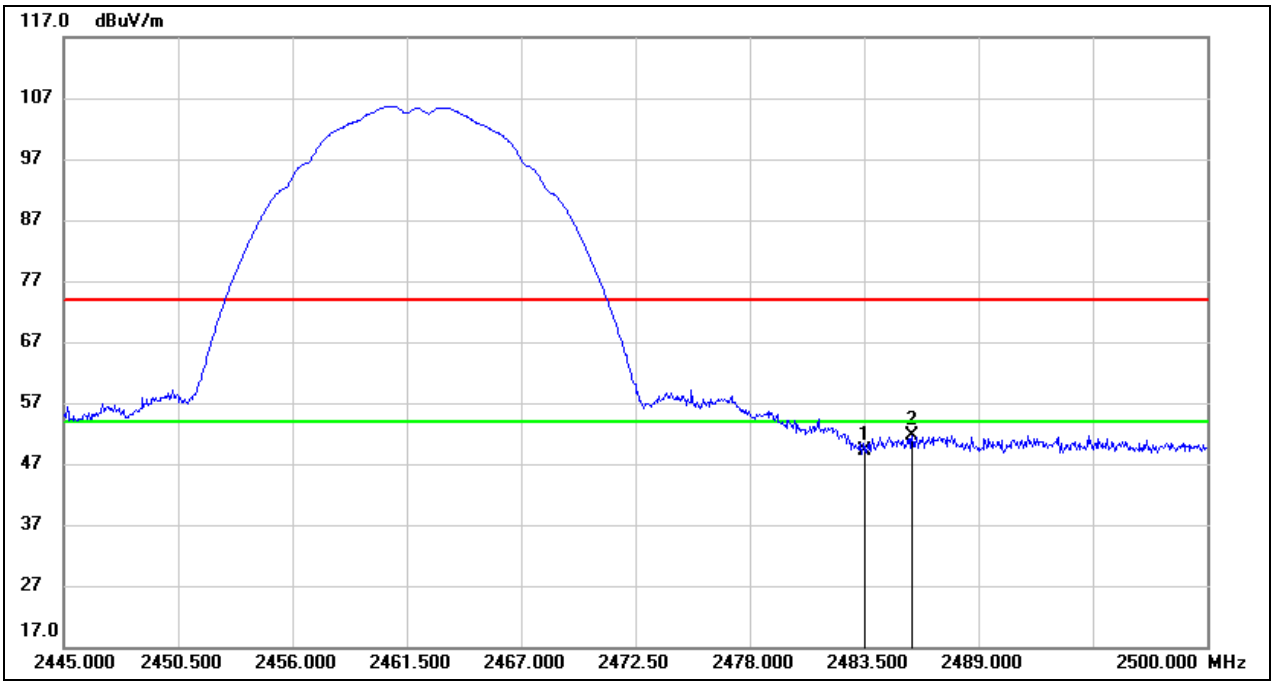
7.1. RESTRICTED BANDEDGE

Test Mode:	802.11b Peak	Channel:	2412 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



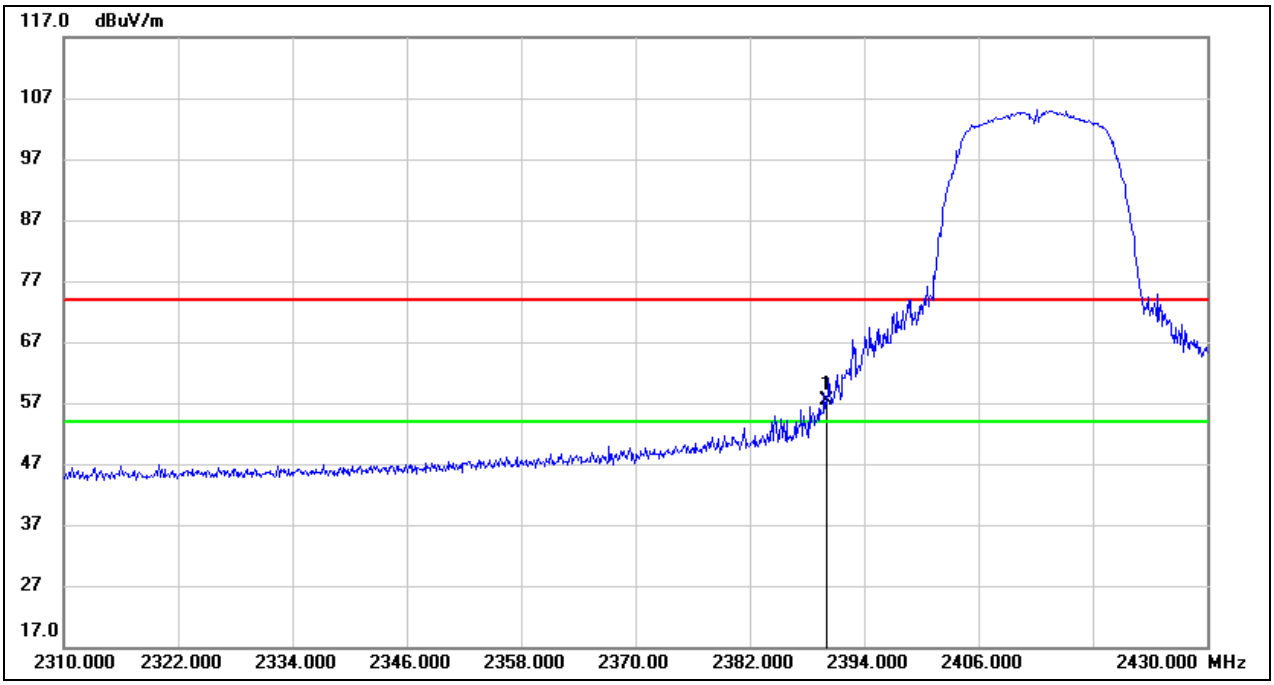
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2382.240	16.93	32.13	49.06	74.00	-24.94	peak
2	2390.000	16.76	32.16	48.92	74.00	-25.08	peak

Test Mode:	802.11b Peak	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



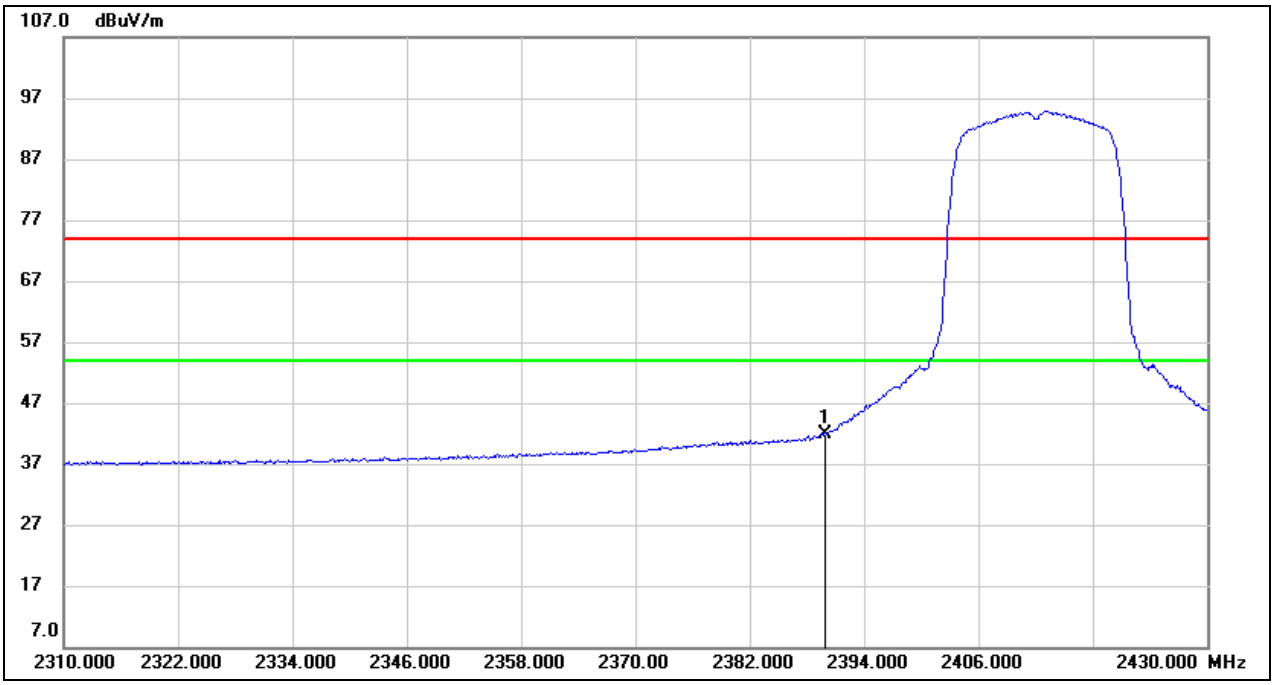
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.61	32.44	49.05	74.00	-24.95	peak
2	2485.810	19.25	32.44	51.69	74.00	-22.31	peak

Test Mode:	802.11g Peak	Channel:	2412 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



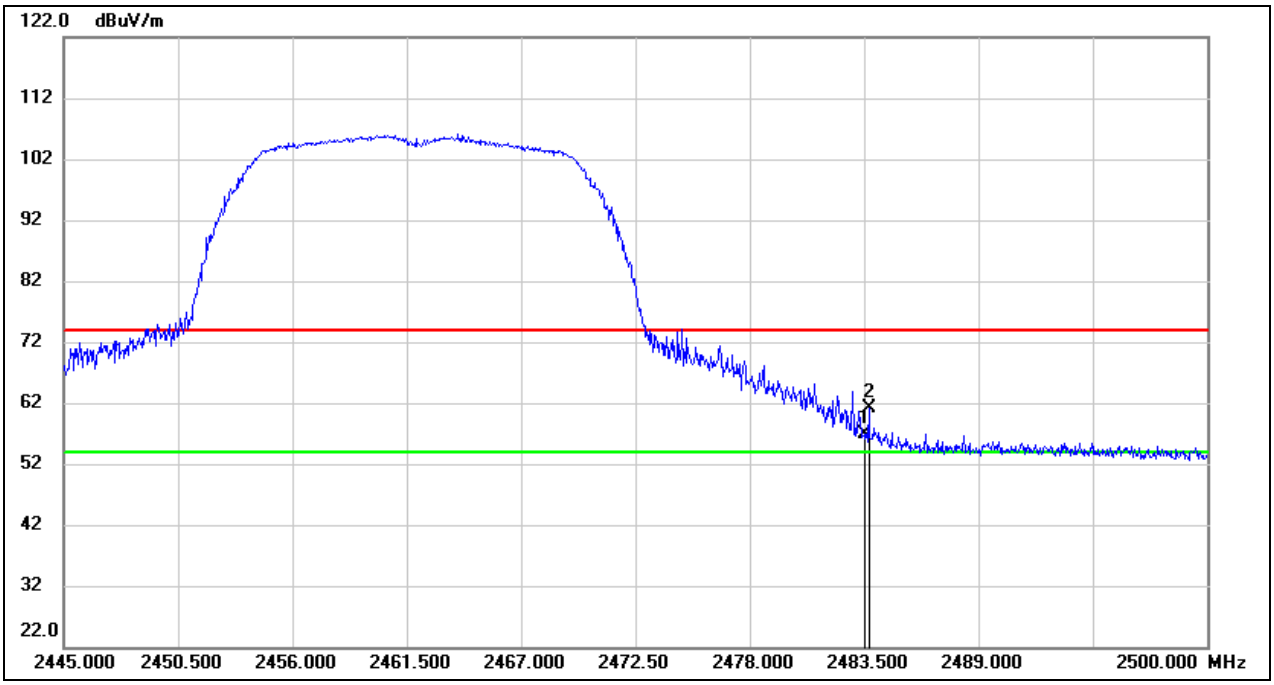
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	25.22	32.16	57.38	74.00	-16.62	peak

Test Mode:	802.11g Average	Channel:	2412 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



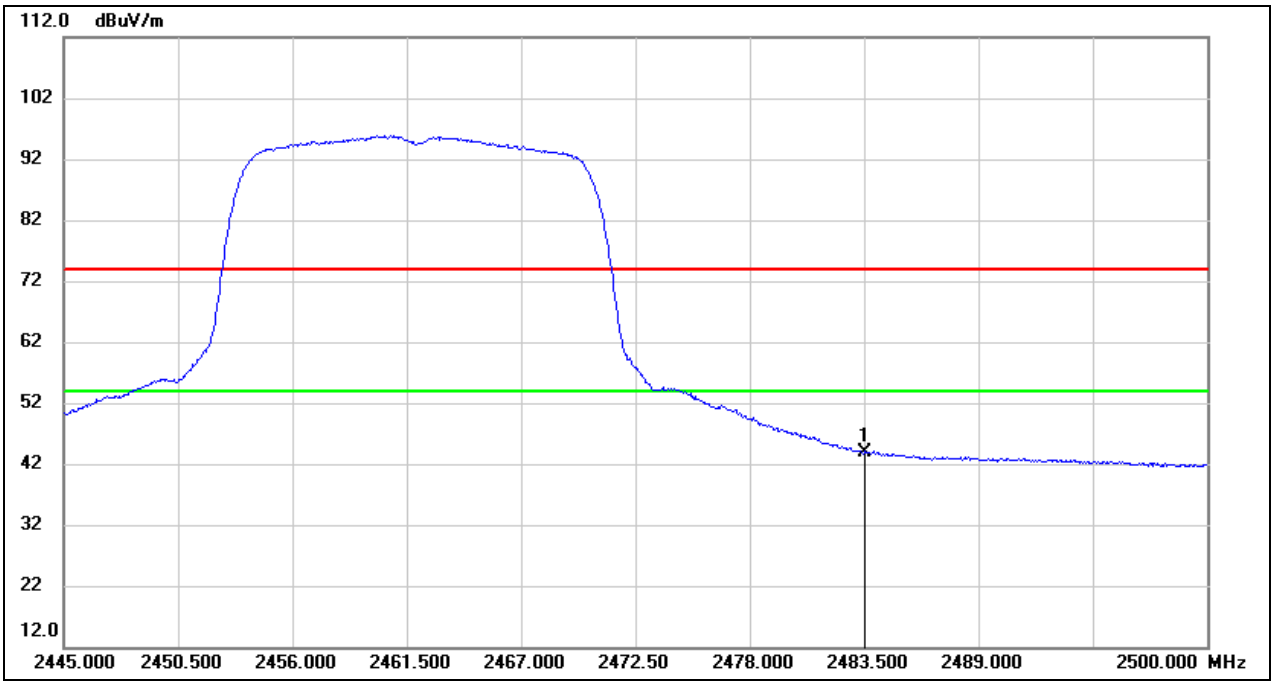
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	9.83	32.16	41.99	54.00	-12.01	AVG

Test Mode:	802.11g Peak	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



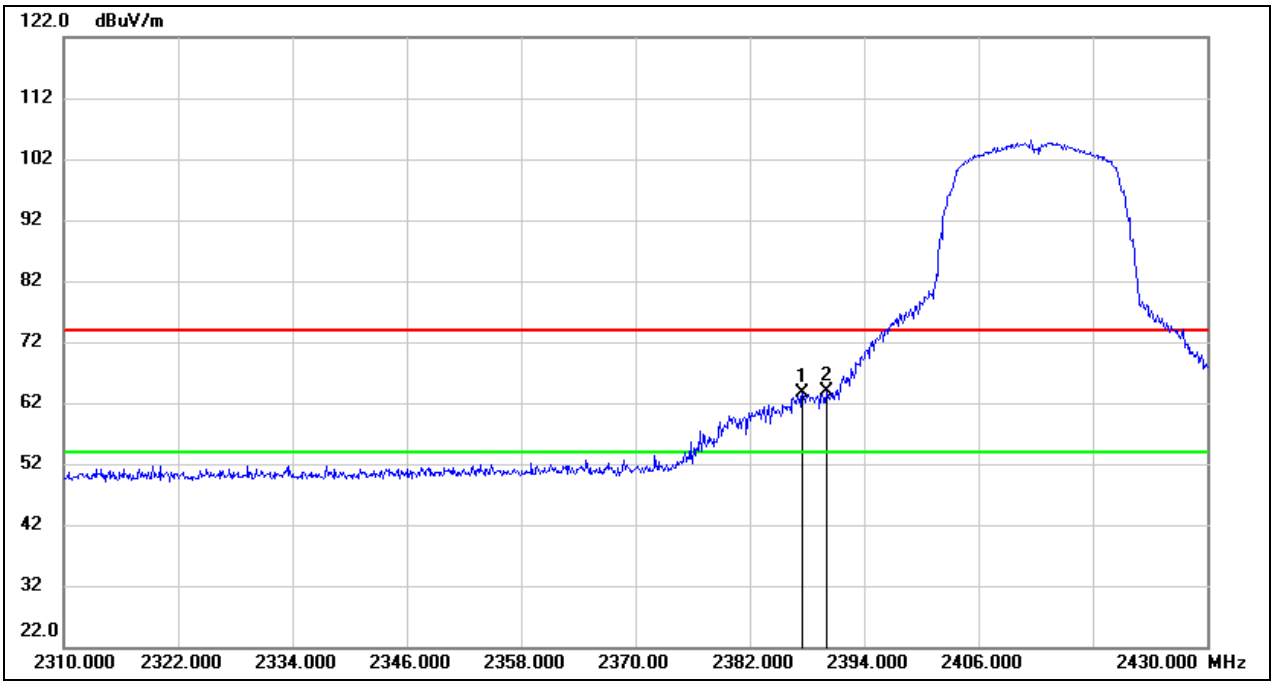
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	24.32	32.44	56.76	74.00	-17.24	peak
2	2483.720	28.61	32.44	61.05	74.00	-12.95	peak

Test Mode:	802.11g Average	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



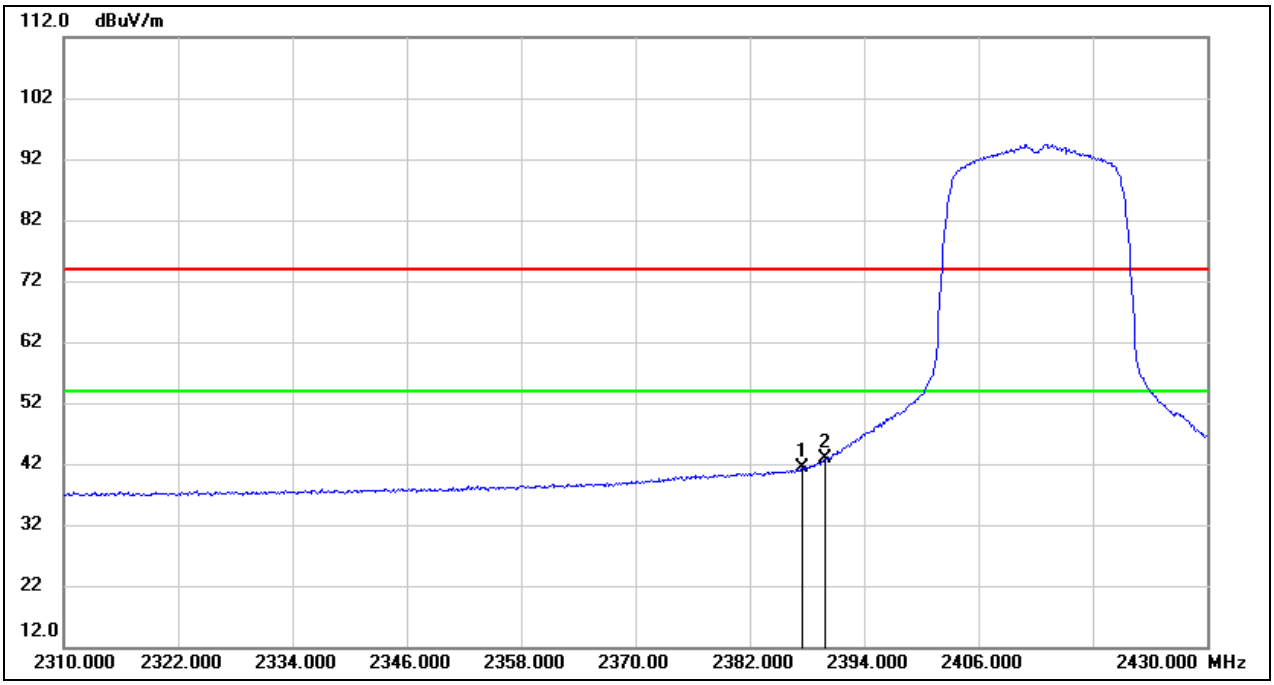
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.51	32.44	43.95	54.00	-10.05	AVG

Test Mode:	802.11n HT20 Peak	Channel:	2412 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



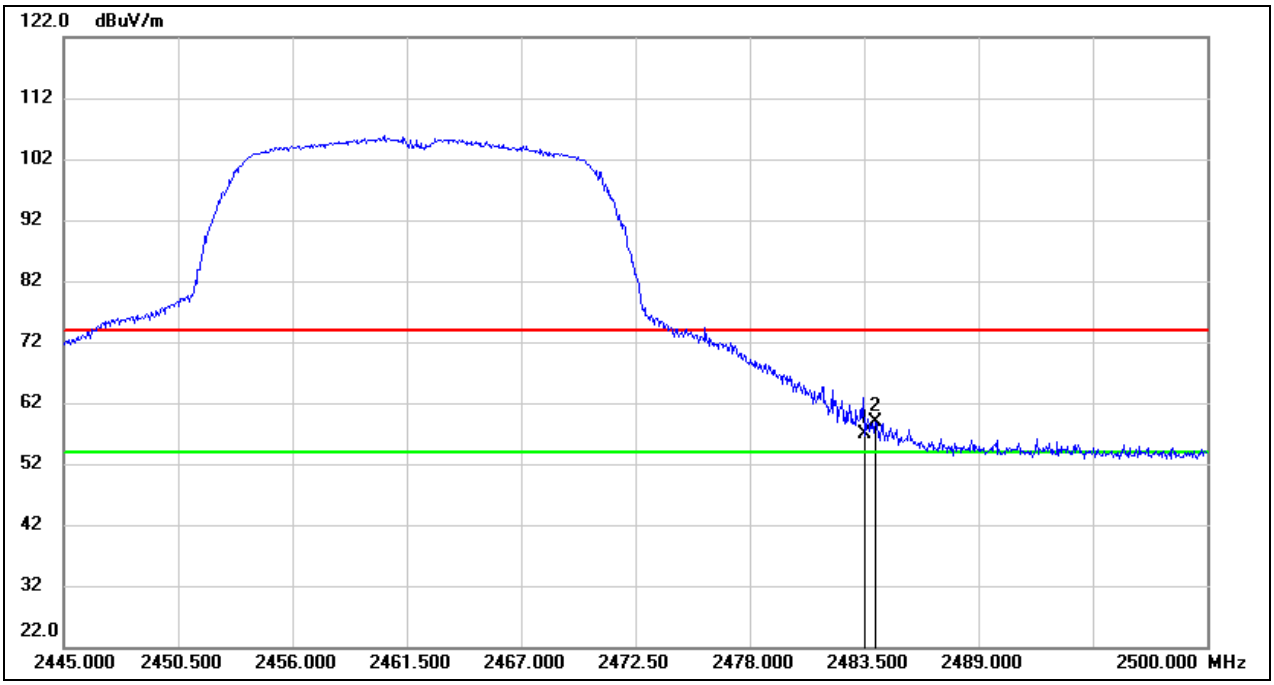
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.520	31.41	32.16	63.57	74.00	-10.43	peak
2	2390.000	31.67	32.16	63.83	74.00	-10.17	peak

Test Mode:	802.11n HT20 Average	Channel:	2412 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



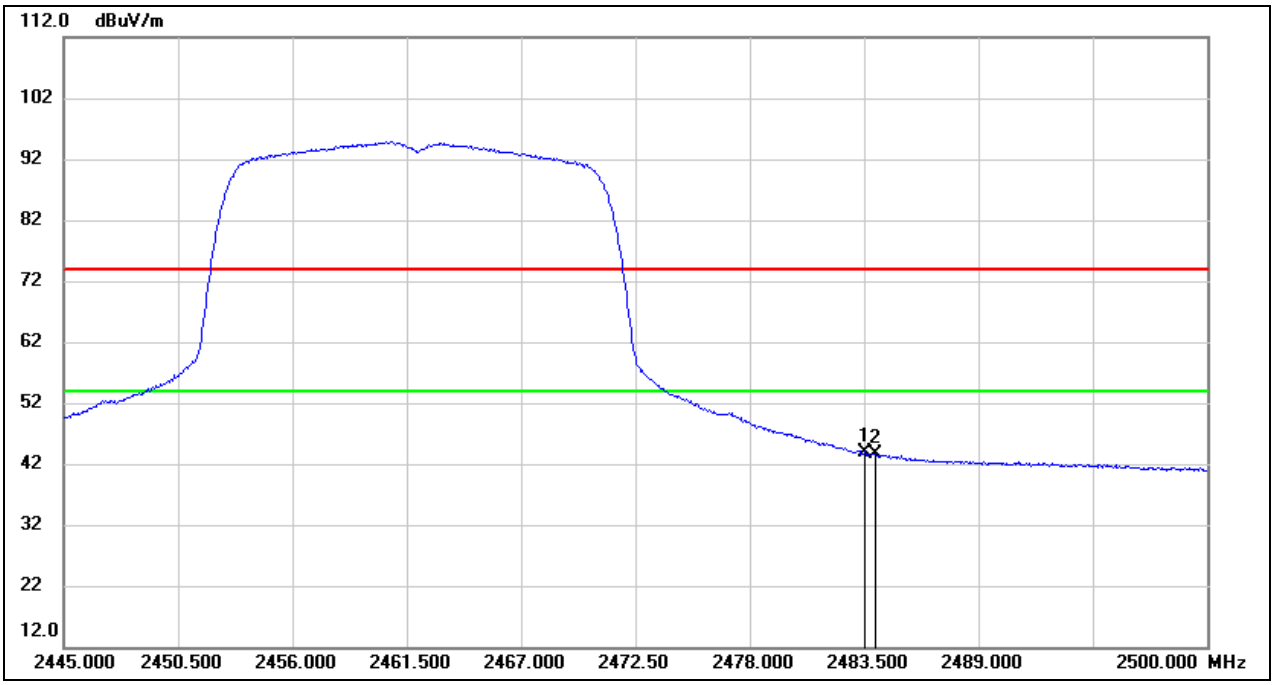
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.520	9.12	32.16	41.28	54.00	-12.72	AVG
2	2390.000	10.62	32.16	42.78	54.00	-11.22	AVG

Test Mode:	802.11n HT20 Peak	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



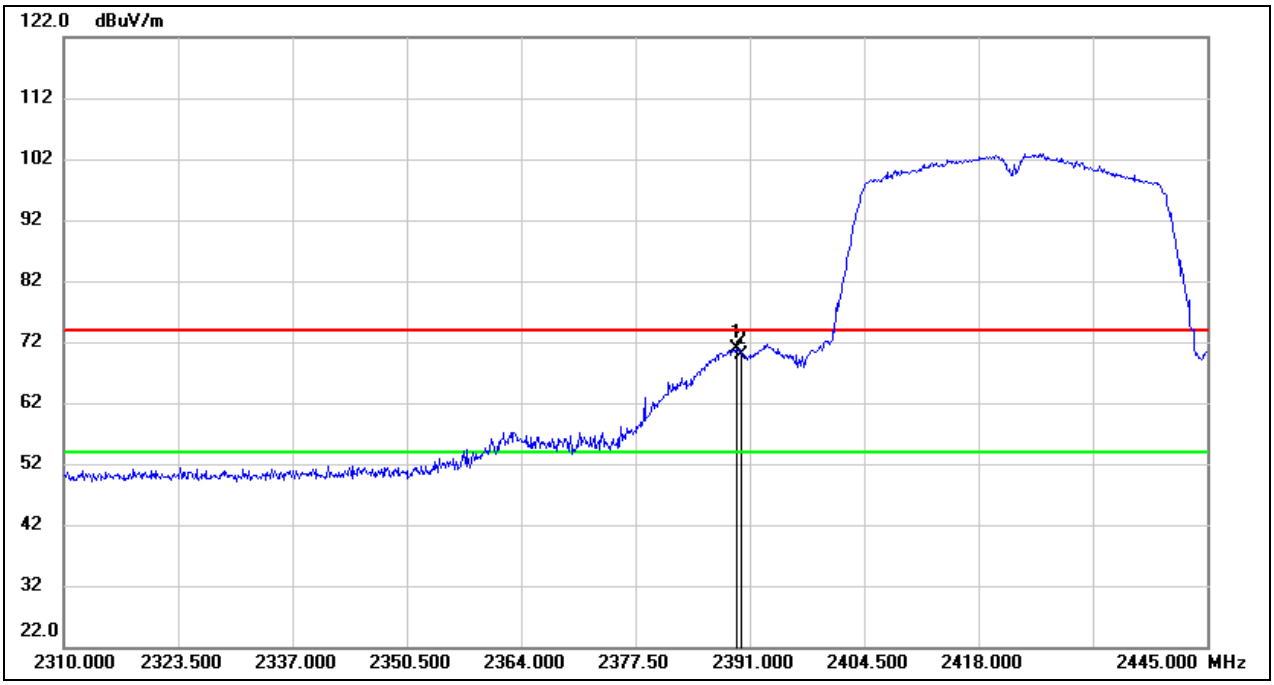
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	24.50	32.44	56.94	74.00	-17.06	peak
2	2484.050	26.45	32.44	58.89	74.00	-15.11	peak

Test Mode:	802.11n HT20 Average	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



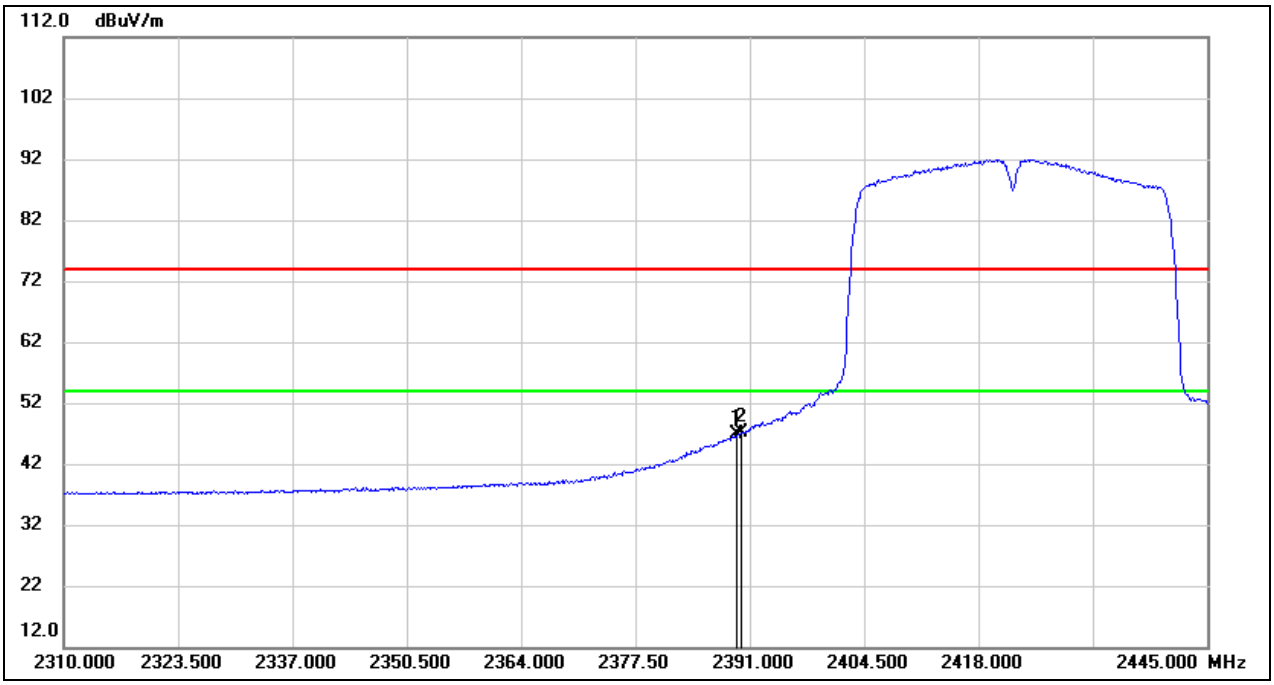
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.42	32.44	43.86	54.00	-10.14	AVG
2	2484.050	11.11	32.44	43.55	54.00	-10.45	AVG

Test Mode:	802.11n HT40 Peak	Channel:	2422 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



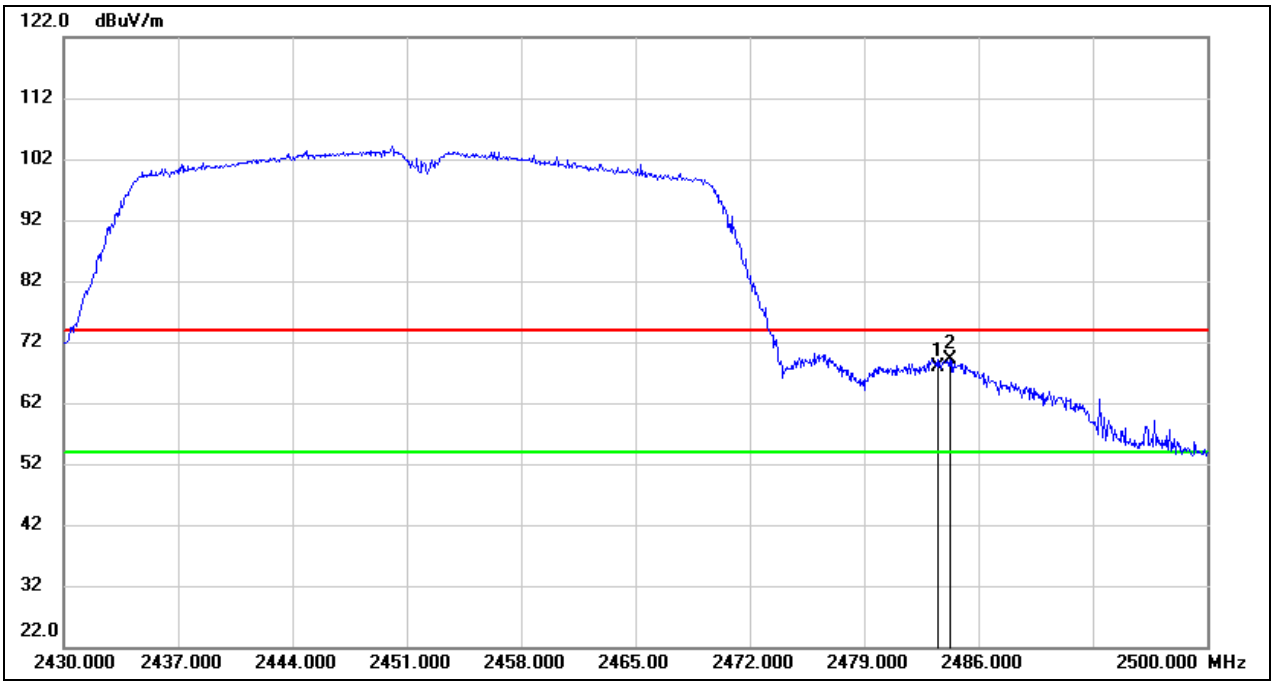
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.515	38.79	32.16	70.95	74.00	-3.05	peak
2	2390.000	37.82	32.16	69.98	74.00	-4.02	peak

Test Mode:	802.11n HT40 Average	Channel:	2422 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



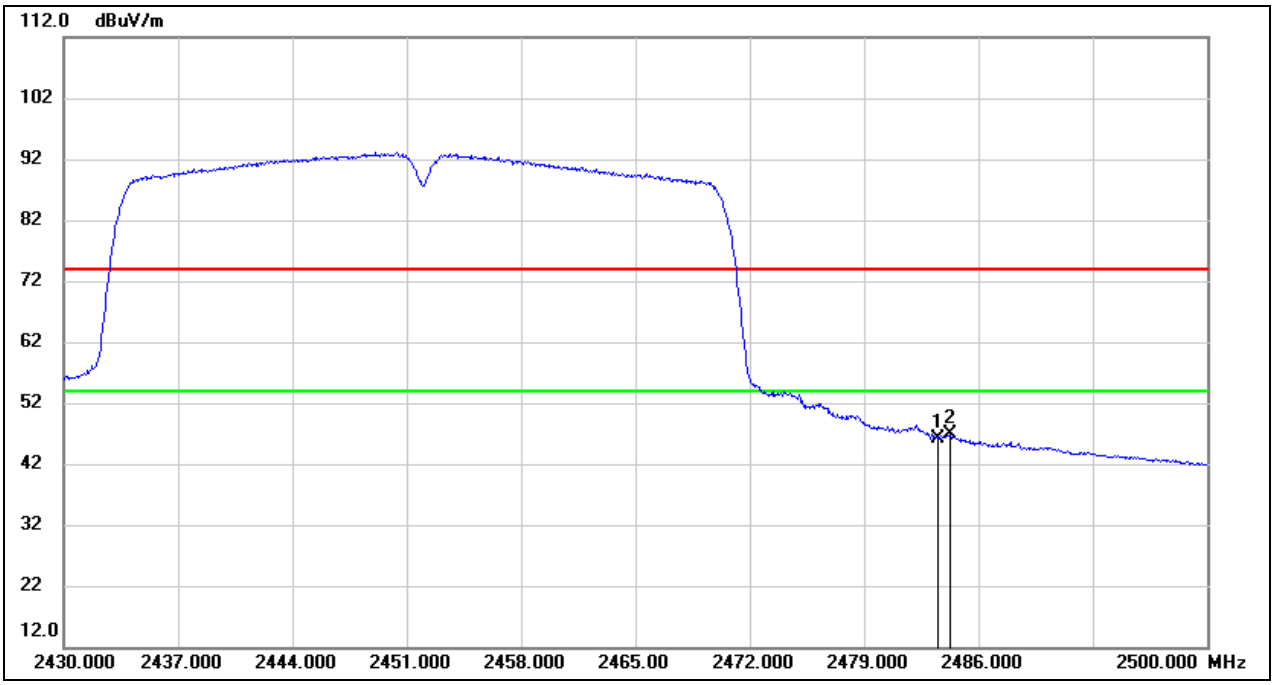
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.515	14.73	32.16	46.89	54.00	-7.11	AVG
2	2390.000	14.96	32.16	47.12	54.00	-6.88	AVG

Test Mode:	802.11n HT40 Peak	Channel:	2452 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	35.55	32.44	67.99	74.00	-6.01	peak
2	2484.250	36.65	32.44	69.09	74.00	-4.91	peak

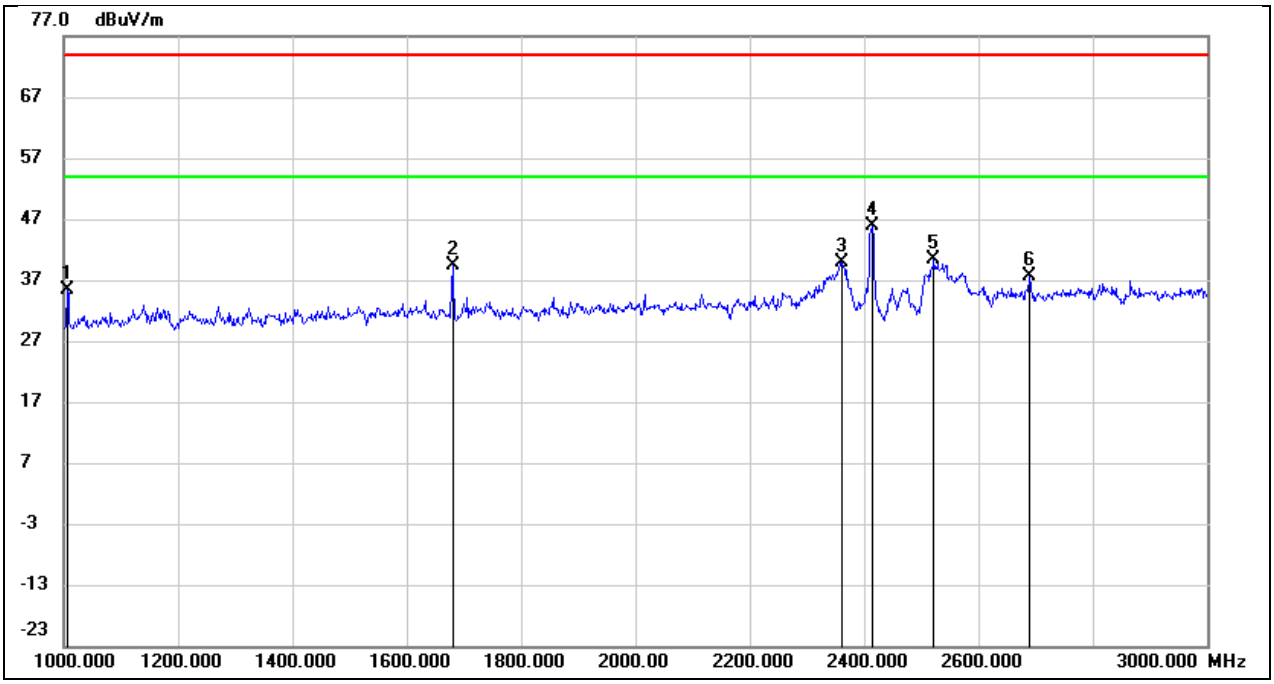
Test Mode:	802.11n HT40 Average	Channel:	2452 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	13.81	32.44	46.25	54.00	-7.75	AVG
2	2484.250	14.36	32.44	46.80	54.00	-7.20	AVG

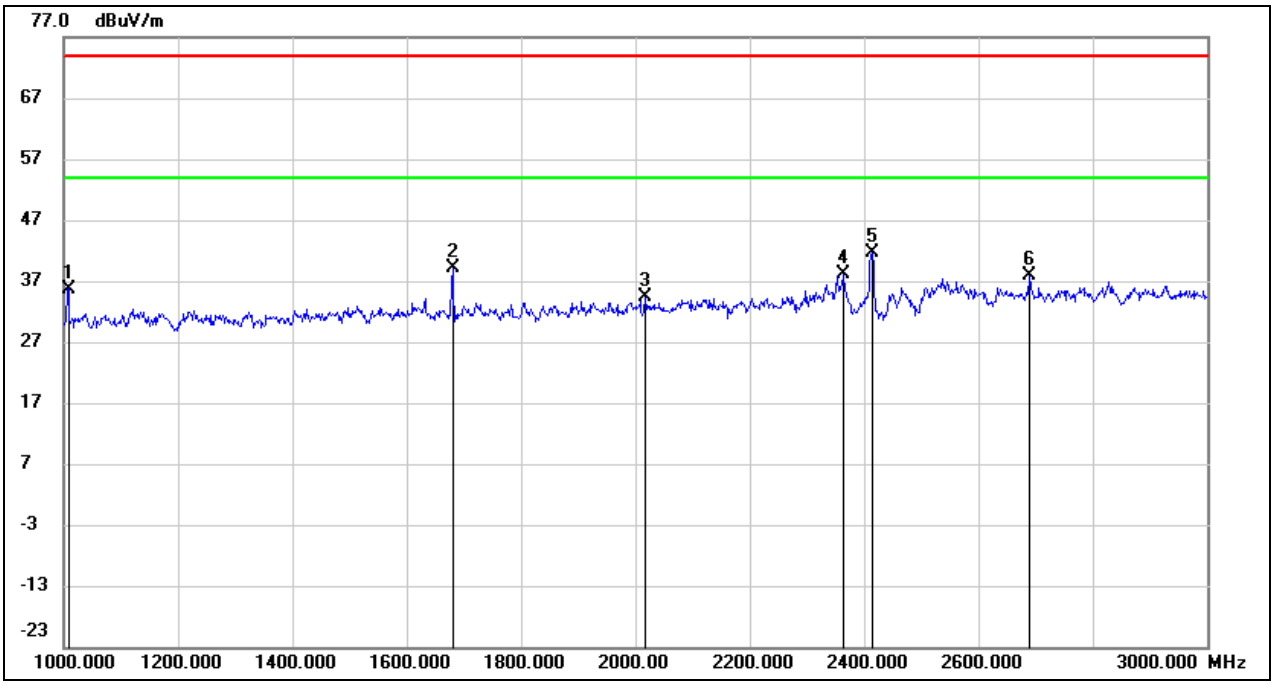
7.2. SPURIOUS EMISSIONS (1 GHZ ~ 3 GHZ)

Test Mode:	802.11b	Channel:	2412 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



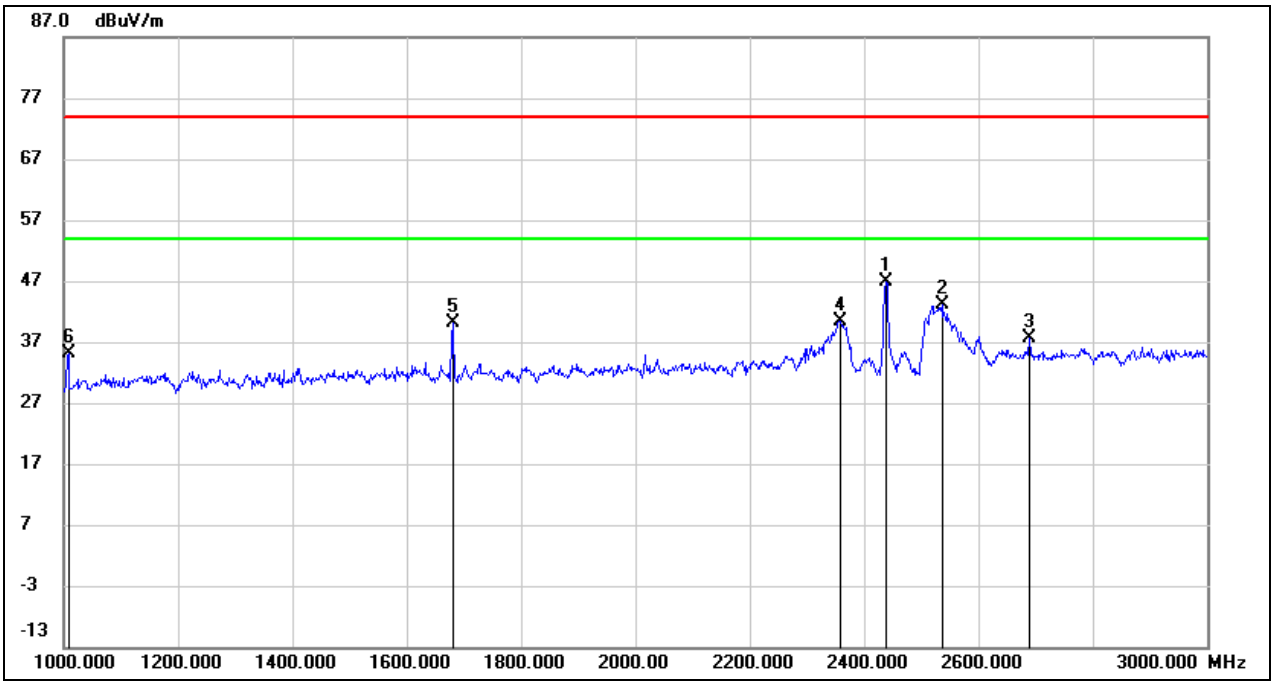
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1006.000	50.32	-15.00	35.32	74.00	-38.68	peak
2	1680.000	51.58	-12.12	39.46	74.00	-34.54	peak
3	2360.000	49.19	-9.21	39.98	74.00	-34.02	peak
4	2412.000	54.79	-8.93	45.86	/	/	Fundamental
5	2522.000	48.82	-8.42	40.40	74.00	-33.60	peak
6	2690.000	45.62	-7.92	37.70	74.00	-36.30	peak

Test Mode:	802.11b	Channel:	2412 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



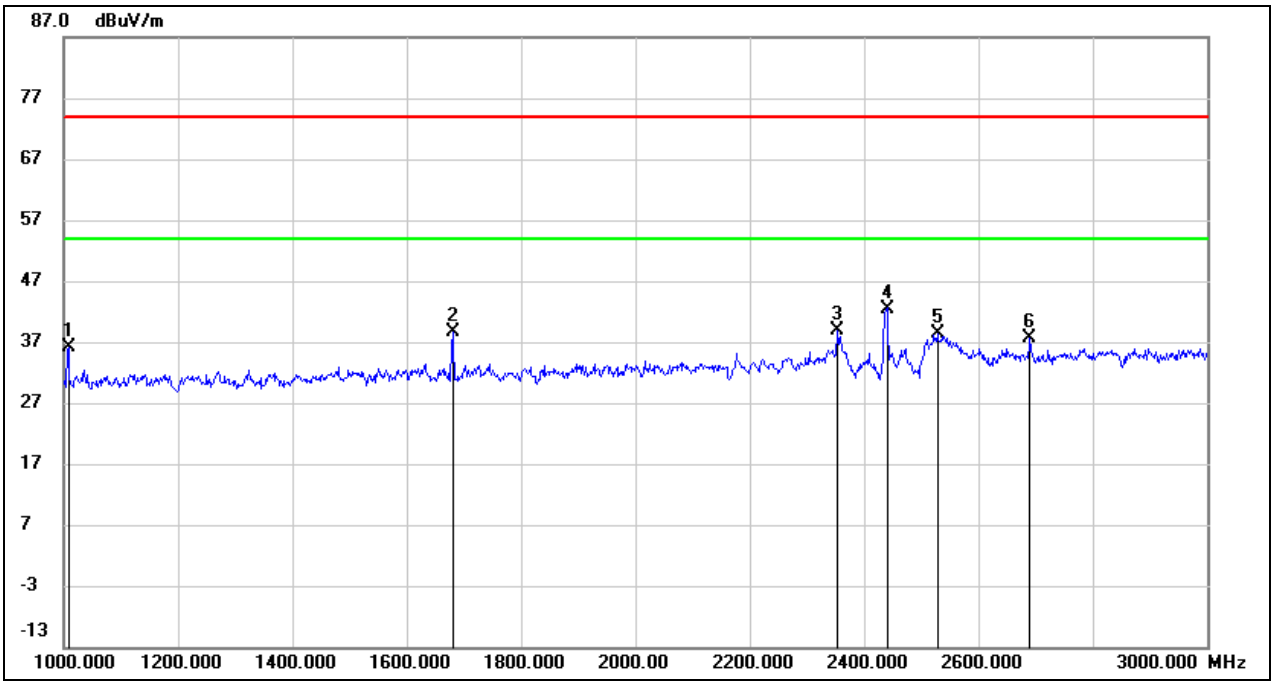
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1008.000	50.74	-14.99	35.75	74.00	-38.25	peak
2	1680.000	51.31	-12.12	39.19	74.00	-34.81	peak
3	2018.000	45.38	-10.97	34.41	74.00	-39.59	peak
4	2364.000	47.28	-9.19	38.09	74.00	-35.91	peak
5	2412.000	50.59	-8.93	41.66	/	/	Fundamental
6	2690.000	45.72	-7.92	37.80	74.00	-36.20	peak

Test Mode:	802.11b	Channel:	2437 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



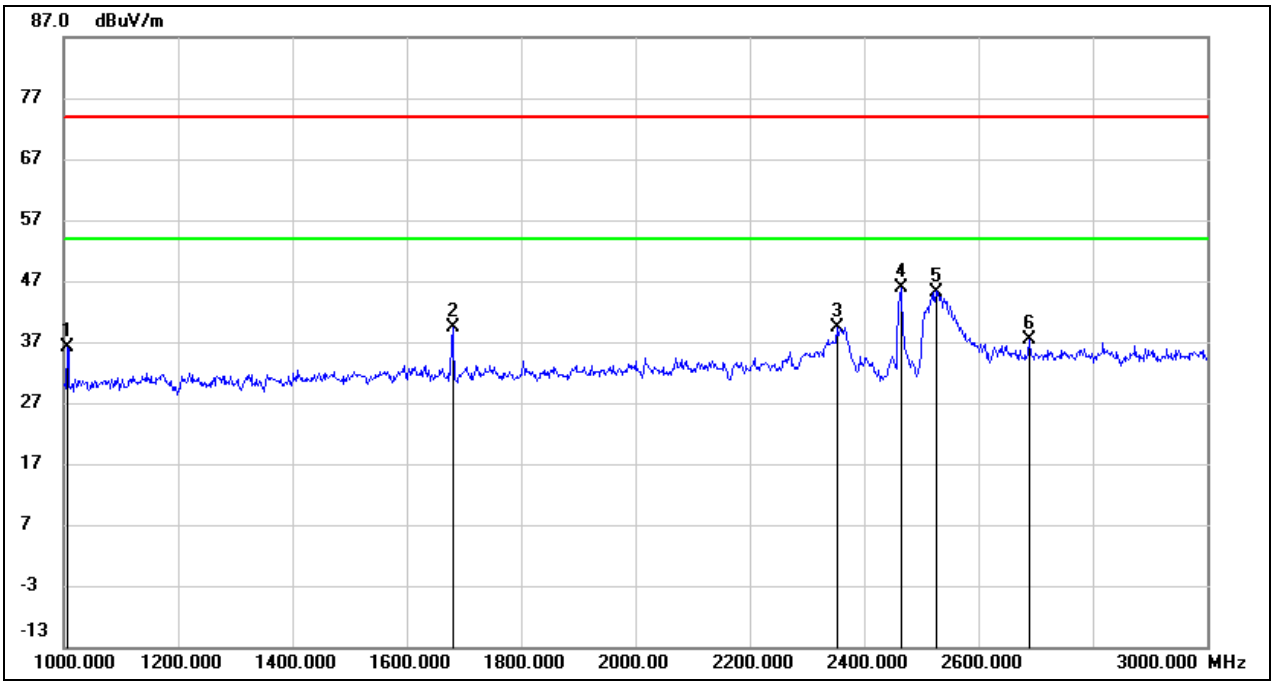
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2437.000	55.76	-8.80	46.96	/	/	Fundamental
2	2536.000	51.51	-8.38	43.13	74.00	-30.87	peak
3	2690.000	45.51	-7.92	37.59	74.00	-36.41	peak
4	2358.000	49.71	-9.22	40.49	74.00	-33.51	peak
5	1680.000	52.19	-12.12	40.07	74.00	-33.93	peak
6	1008.000	50.03	-14.99	35.04	74.00	-38.96	peak

Test Mode:	802.11b	Channel:	2437 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



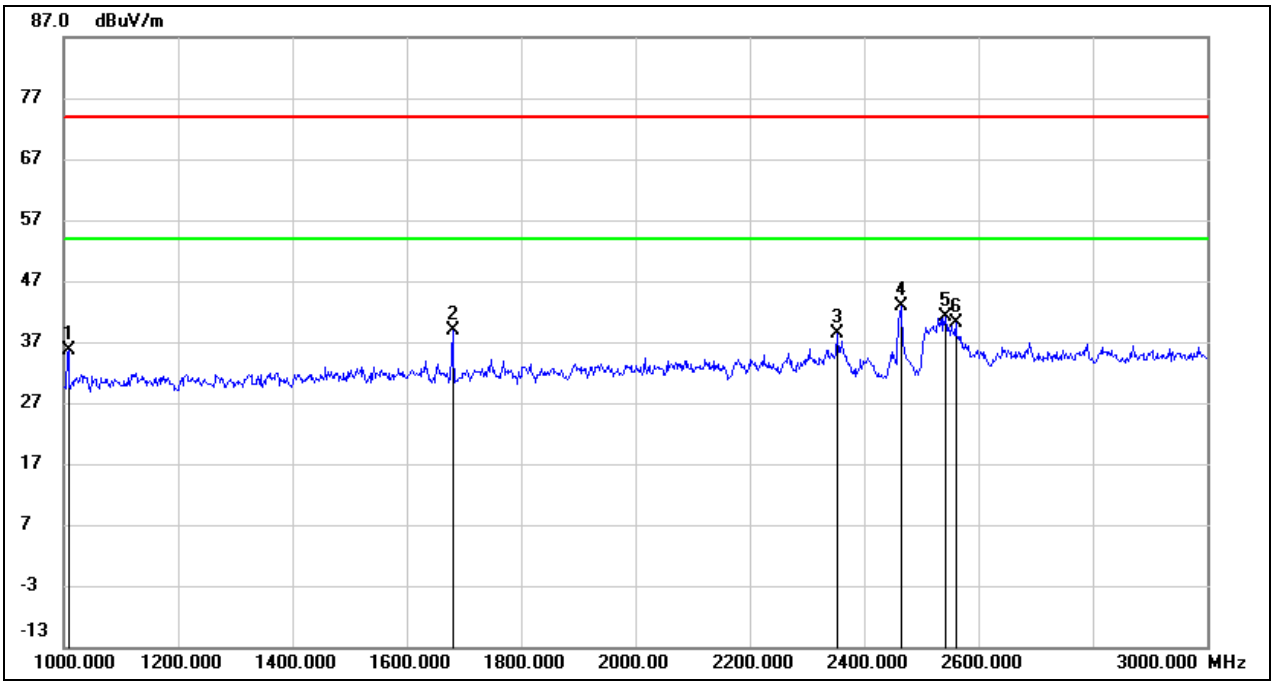
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1008.000	51.19	-14.99	36.20	74.00	-37.80	peak
2	1680.000	50.82	-12.12	38.70	74.00	-35.30	peak
3	2354.000	48.19	-9.24	38.95	74.00	-35.05	peak
4	2437.000	51.30	-8.80	42.50	/	/	Fundamental
5	2528.000	46.75	-8.41	38.34	74.00	-35.66	peak
6	2690.000	45.65	-7.92	37.73	74.00	-36.27	peak

Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1006.000	51.16	-15.00	36.16	74.00	-37.84	peak
2	1680.000	51.51	-12.12	39.39	74.00	-34.61	peak
3	2352.000	48.73	-9.24	39.49	74.00	-34.51	peak
4	2462.000	54.65	-8.68	45.97	/	/	Fundamental
5	2526.000	53.66	-8.41	45.25	74.00	-28.75	peak
6	2688.000	45.36	-7.92	37.44	74.00	-36.56	peak

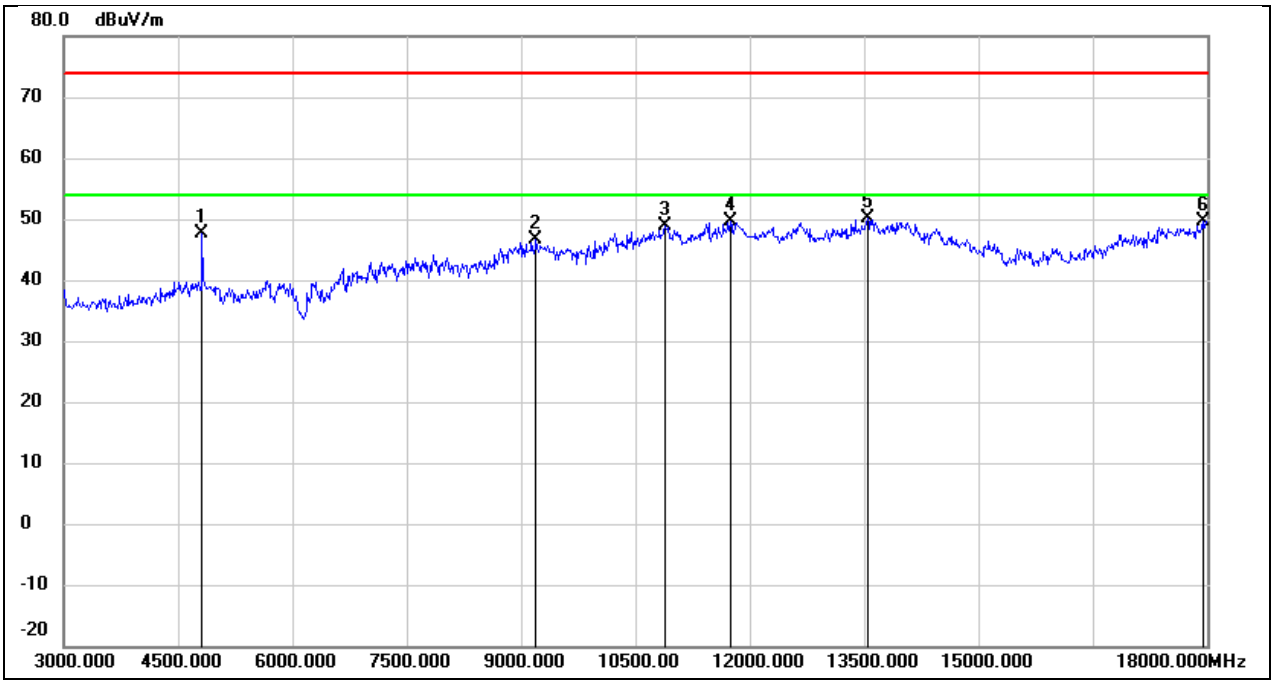
Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1008.000	50.50	-14.99	35.51	74.00	-38.49	peak
2	1680.000	51.03	-12.12	38.91	74.00	-35.09	peak
3	2352.000	47.55	-9.24	38.31	74.00	-35.69	peak
4	2462.000	51.54	-8.68	42.86	/	/	Fundamental
5	2542.000	49.46	-8.36	41.10	74.00	-32.90	peak
6	2560.000	48.46	-8.31	40.15	74.00	-33.85	peak

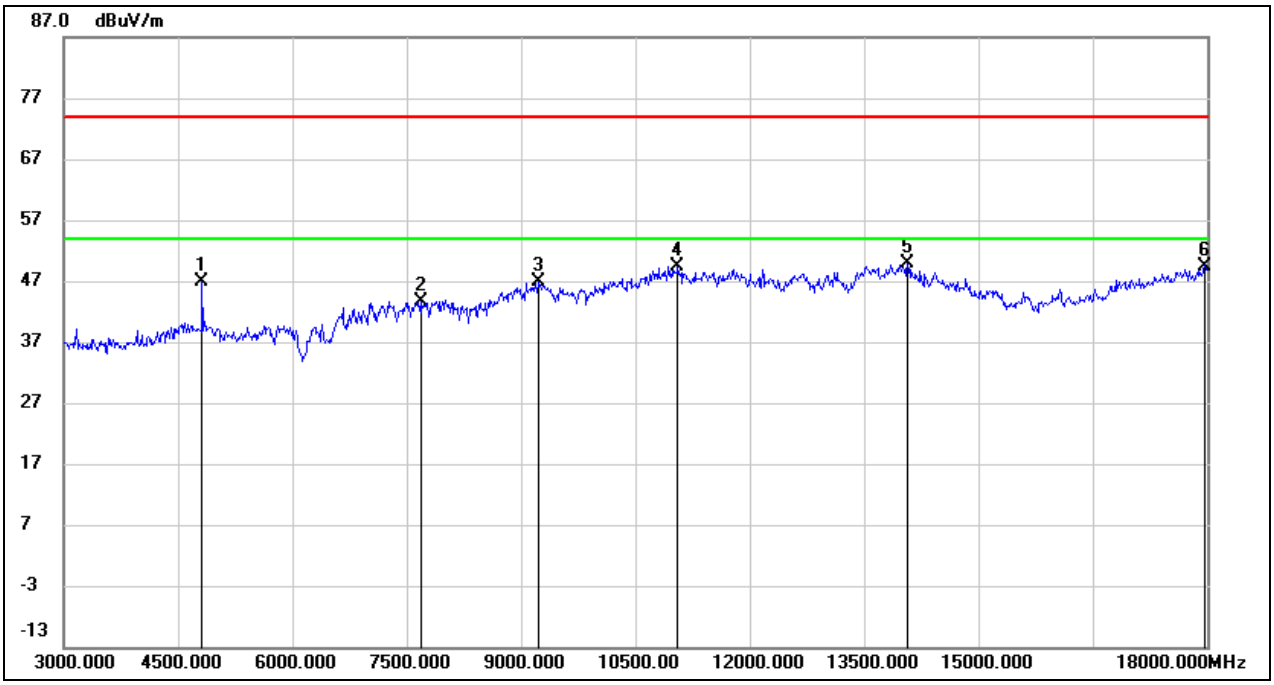
7.3. SPURIOUS EMISSIONS (3 GHZ ~ 18 GHZ)

Test Mode:	802.11b	Channel:	2412 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



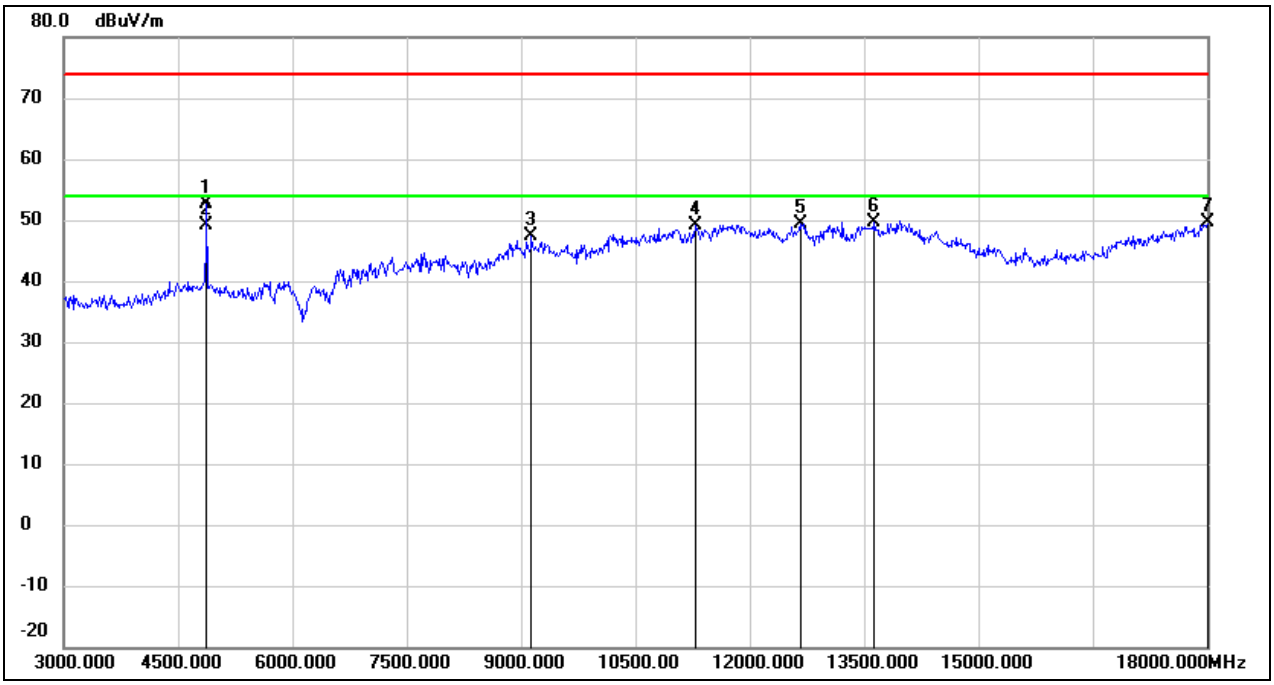
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	47.91	-0.26	47.65	74.00	-26.35	peak
2	9195.000	35.97	10.56	46.53	74.00	-27.47	peak
3	10890.000	34.40	14.39	48.79	74.00	-25.21	peak
4	11745.000	32.30	17.27	49.57	74.00	-24.43	peak
5	13545.000	29.24	20.99	50.23	74.00	-23.77	peak
6	17940.000	24.29	25.34	49.63	74.00	-24.37	peak

Test Mode:	802.11b	Channel:	2412 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



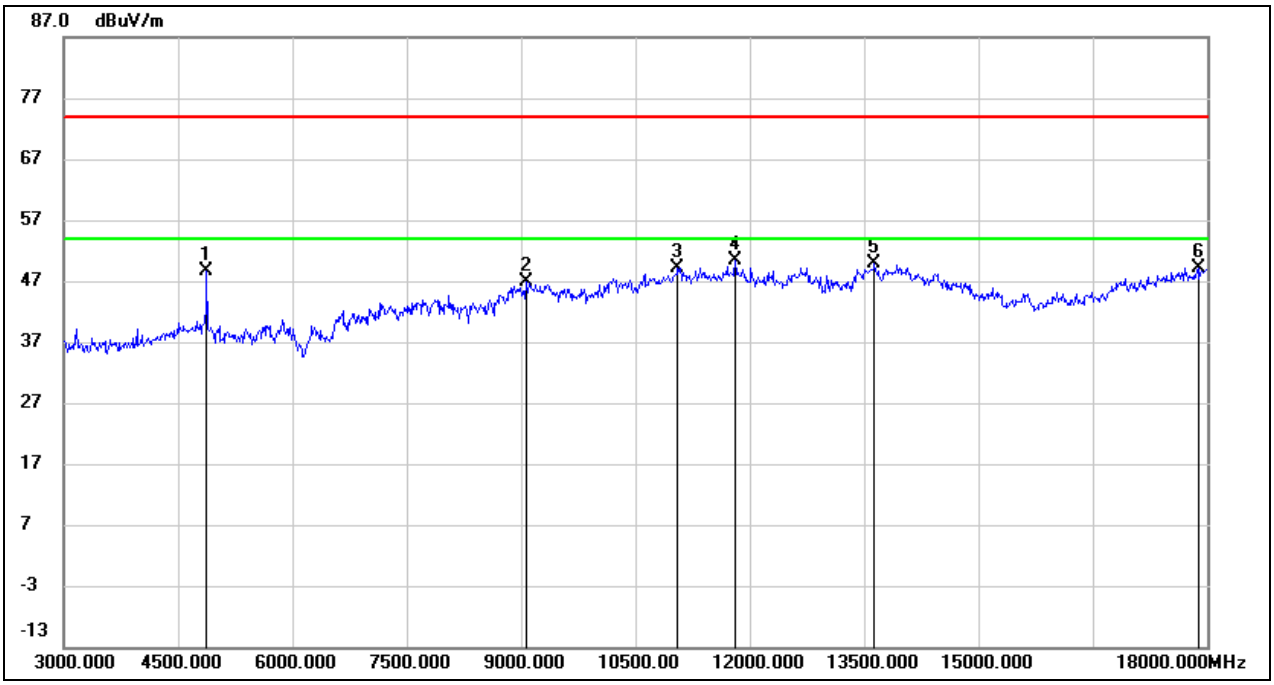
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	47.24	-0.26	46.98	74.00	-27.02	peak
2	7680.000	37.43	6.32	43.75	74.00	-30.25	peak
3	9225.000	36.29	10.58	46.87	74.00	-27.13	peak
4	11055.000	34.48	14.96	49.44	74.00	-24.56	peak
5	14070.000	28.17	21.67	49.84	74.00	-24.16	peak
6	17970.000	23.99	25.51	49.50	74.00	-24.50	peak

Test Mode:	802.11b	Channel:	2437 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



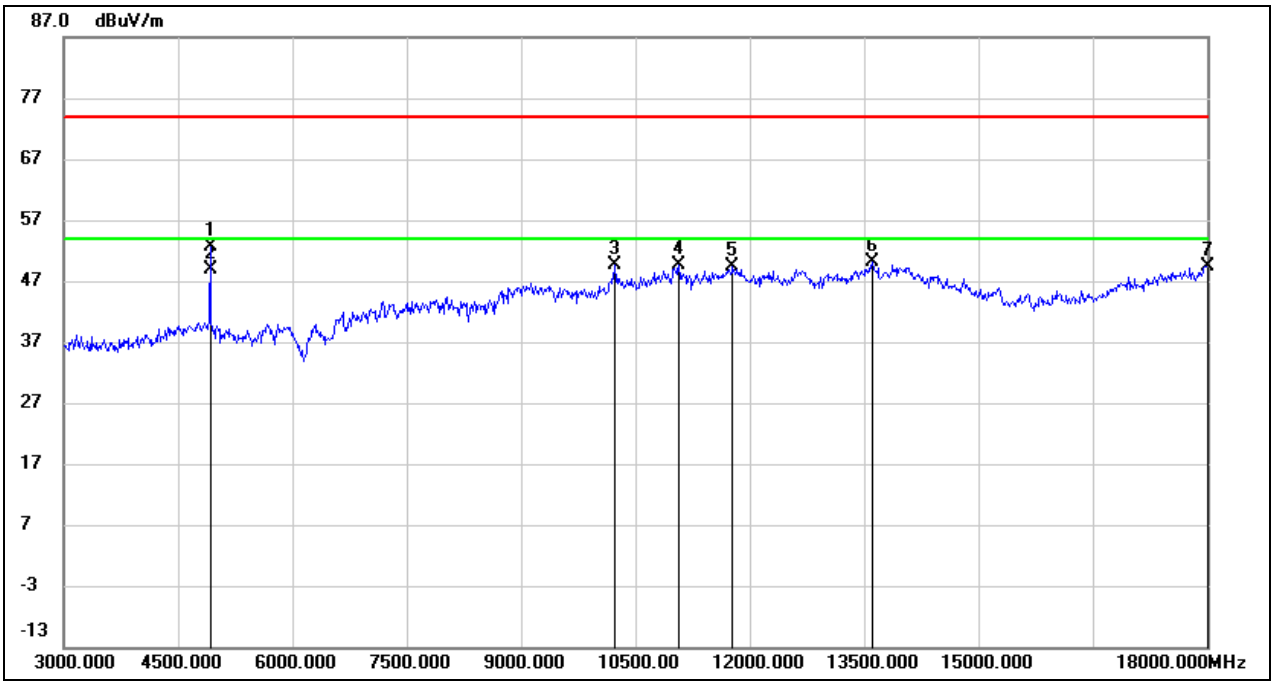
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	52.72	-0.03	52.69	74.00	-21.31	peak
2	4875.000	49.13	-0.03	49.10	54.00	-4.90	AVG
3	9135.000	36.92	10.55	47.47	74.00	-26.53	peak
4	11280.000	33.40	15.80	49.20	74.00	-24.80	peak
5	12660.000	31.53	17.95	49.48	74.00	-24.52	peak
6	13635.000	28.55	21.19	49.74	74.00	-24.26	peak
7	18000.000	23.98	25.69	49.67	74.00	-24.33	peak

Test Mode:	802.11b	Channel:	2437 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



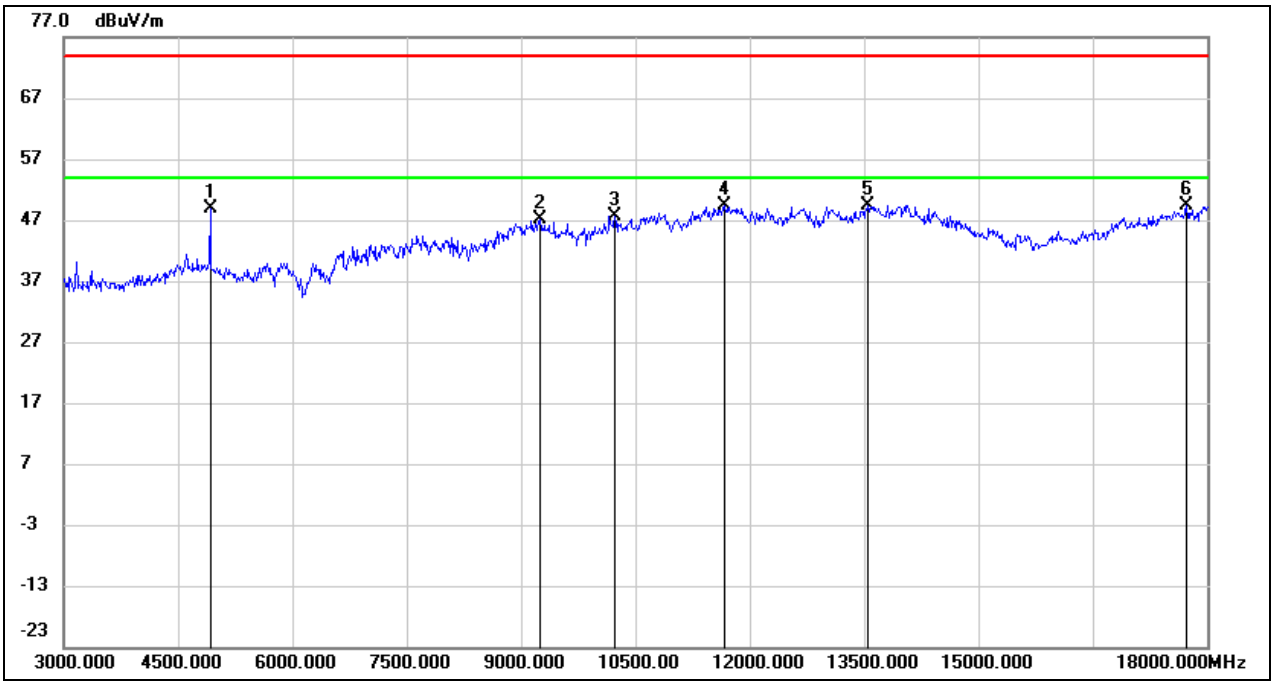
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	48.70	-0.03	48.67	74.00	-25.33	peak
2	9060.000	36.29	10.51	46.80	74.00	-27.20	peak
3	11055.000	34.26	14.96	49.22	74.00	-24.78	peak
4	11805.000	32.99	17.43	50.42	74.00	-23.58	peak
5	13635.000	28.75	21.19	49.94	74.00	-24.06	peak
6	17880.000	24.23	24.98	49.21	74.00	-24.79	peak

Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



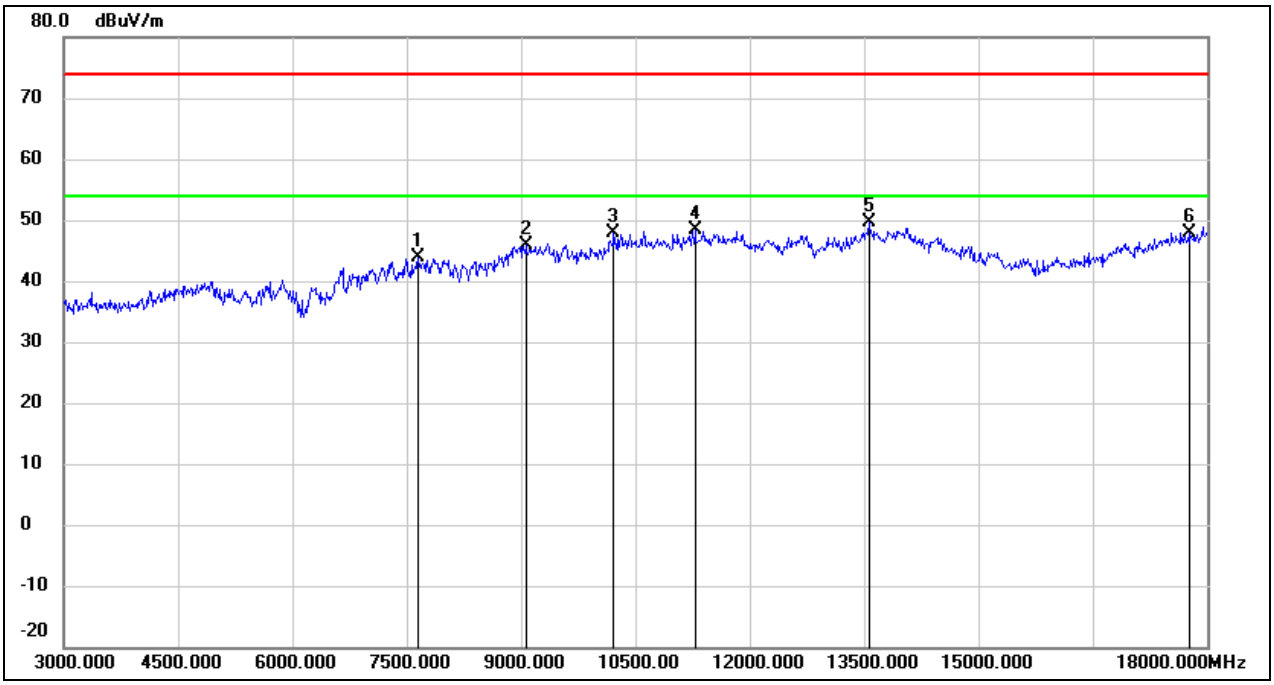
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	52.44	0.14	52.58	74.00	-21.42	peak
2	4920.000	48.76	0.14	48.90	54.00	-5.10	AVG
3	10230.000	37.23	12.46	49.69	74.00	-24.31	peak
4	11070.000	34.55	15.03	49.58	74.00	-24.42	peak
5	11775.000	32.10	17.35	49.45	74.00	-24.55	peak
6	13605.000	28.90	21.12	50.02	74.00	-23.98	peak
7	18000.000	23.76	25.69	49.45	74.00	-24.55	peak

Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



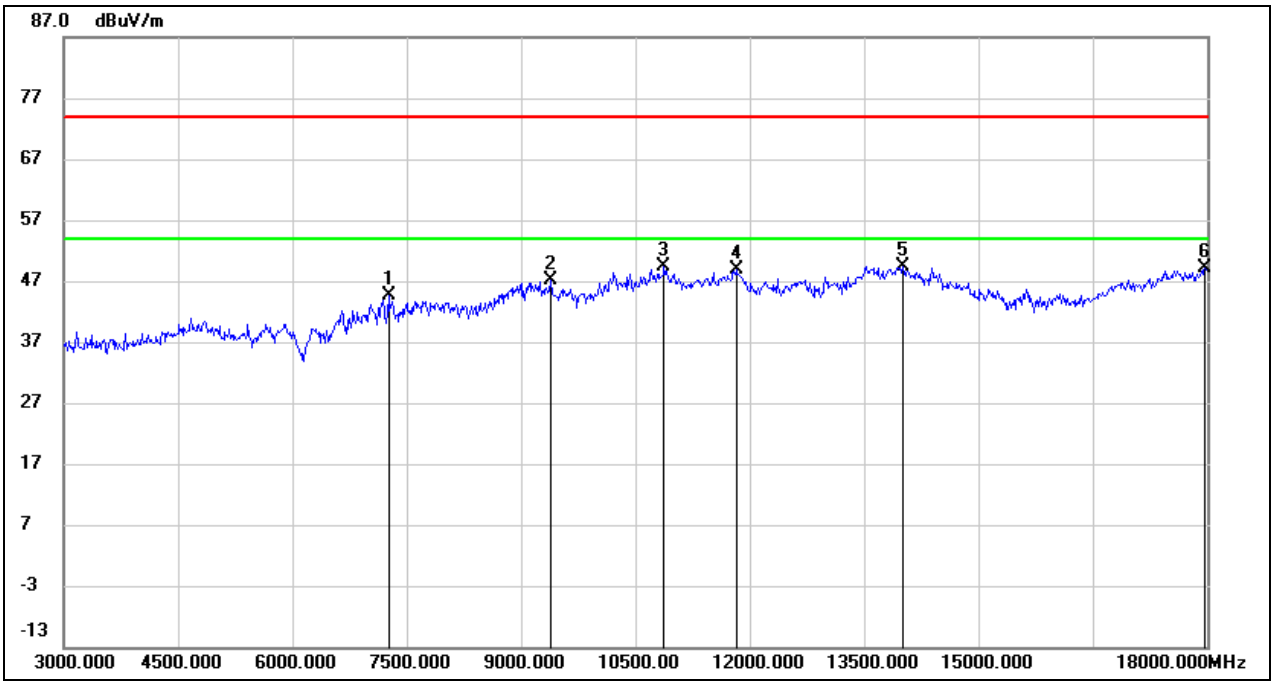
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	48.71	0.14	48.85	74.00	-25.15	peak
2	9255.000	36.46	10.59	47.05	74.00	-26.95	peak
3	10230.000	35.28	12.46	47.74	74.00	-26.26	peak
4	11670.000	32.42	17.07	49.49	74.00	-24.51	peak
5	13545.000	28.43	20.99	49.42	74.00	-24.58	peak
6	17730.000	25.39	24.09	49.48	74.00	-24.52	peak

Test Mode:	802.11g	Channel:	2412 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



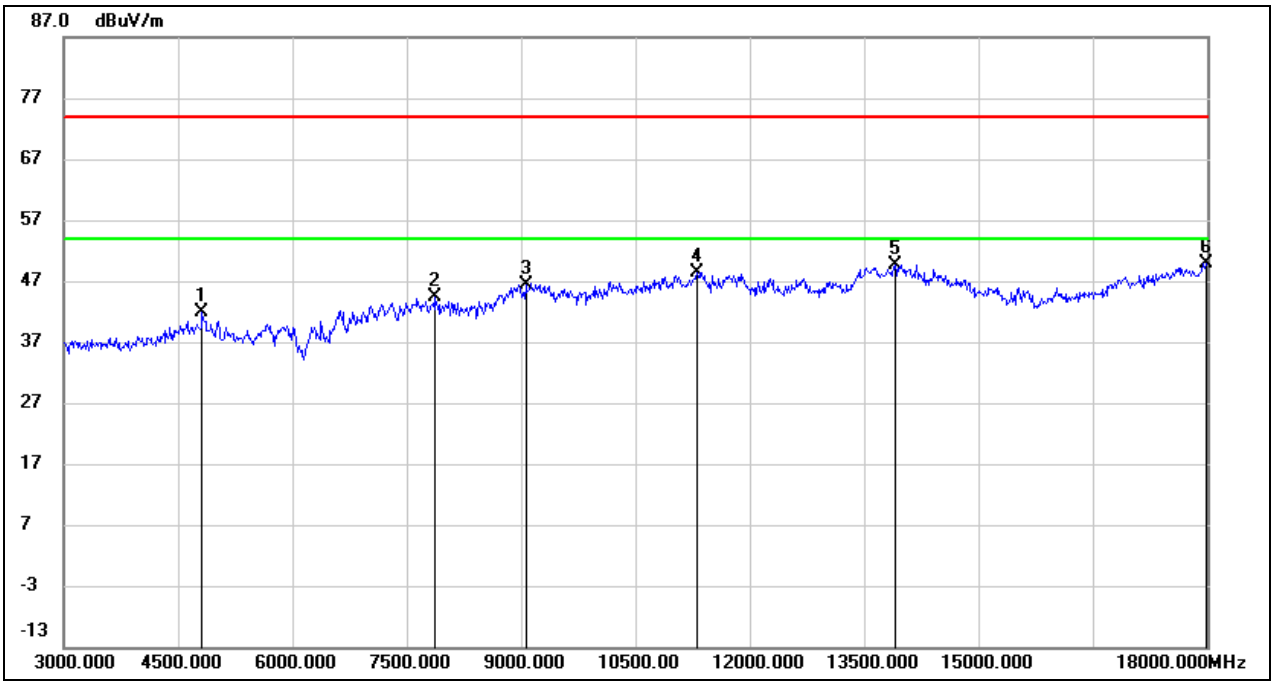
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7650.000	37.52	6.33	43.85	74.00	-30.15	peak
2	9060.000	35.36	10.51	45.87	74.00	-28.13	peak
3	10215.000	35.42	12.43	47.85	74.00	-26.15	peak
4	11280.000	32.57	15.80	48.37	74.00	-25.63	peak
5	13560.000	28.67	21.04	49.71	74.00	-24.29	peak
6	17775.000	23.56	24.36	47.92	74.00	-26.08	peak

Test Mode:	802.11g	Channel:	2412 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



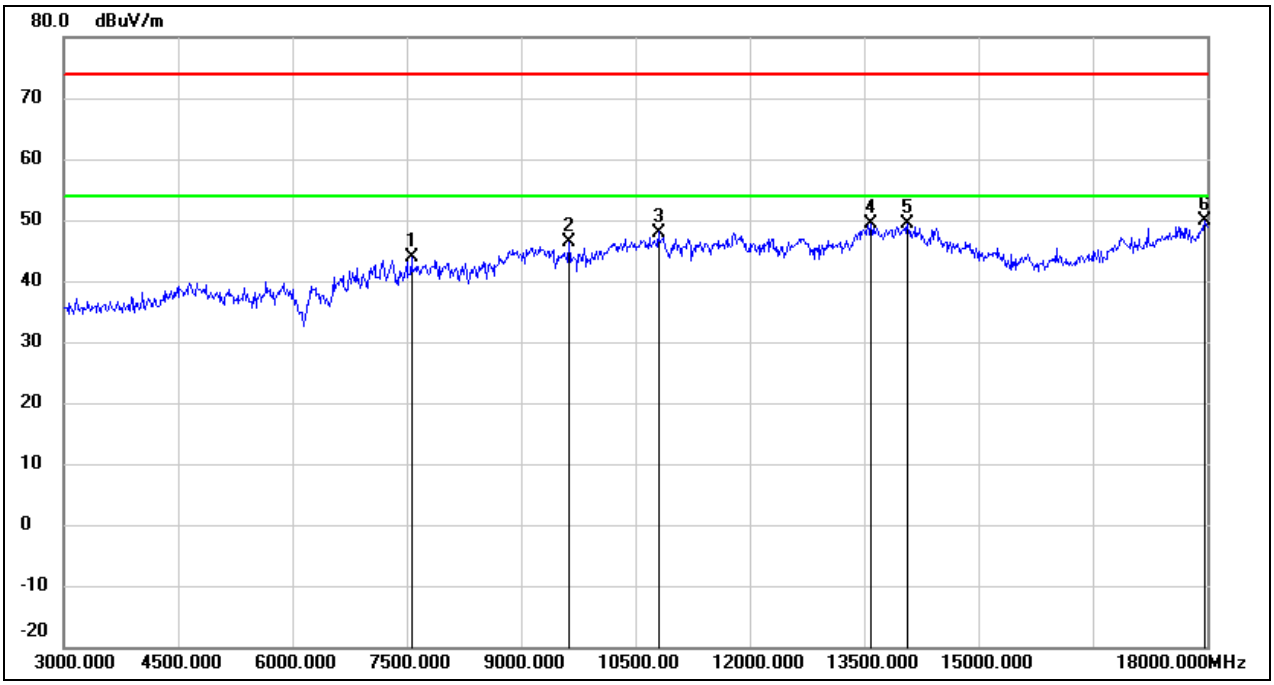
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7260.000	38.13	6.50	44.63	74.00	-29.37	peak
2	9390.000	36.37	10.64	47.01	74.00	-26.99	peak
3	10875.000	34.98	14.32	49.30	74.00	-24.70	peak
4	11820.000	31.48	17.47	48.95	74.00	-25.05	peak
5	14010.000	27.54	21.93	49.47	74.00	-24.53	peak
6	17970.000	23.63	25.51	49.14	74.00	-24.86	peak

Test Mode:	802.11g	Channel:	2437 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



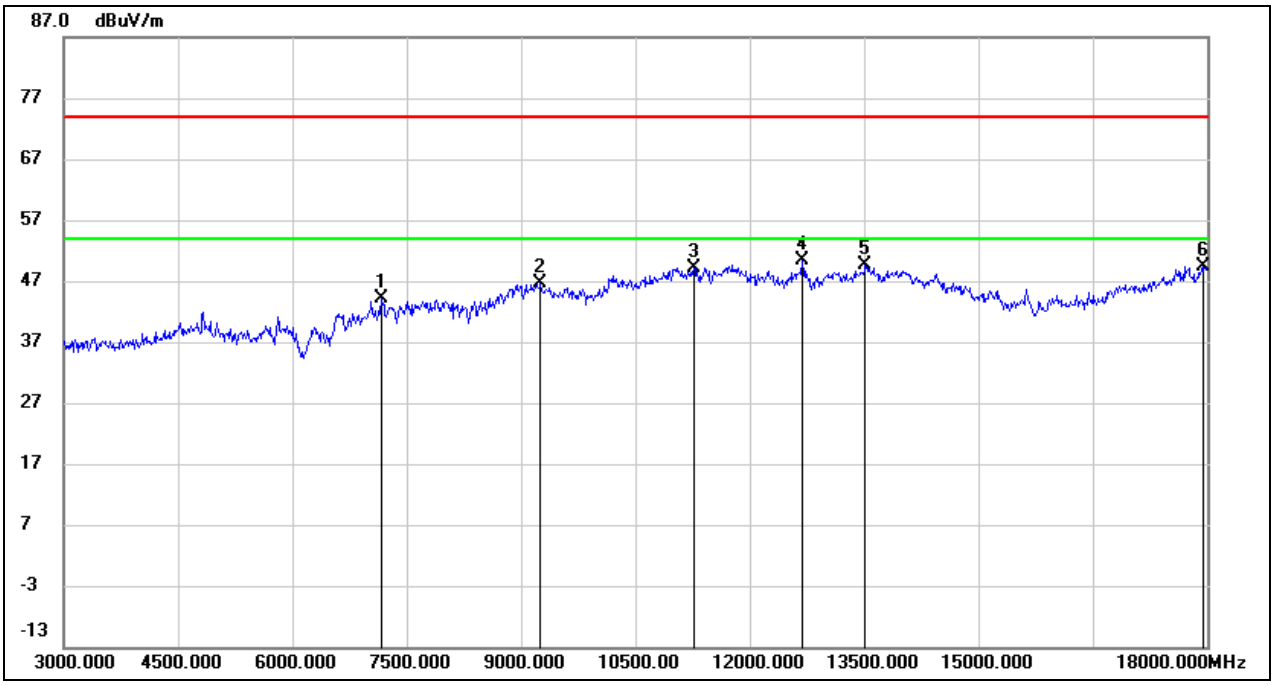
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	42.14	-0.26	41.88	74.00	-32.12	peak
2	7875.000	38.12	6.31	44.43	74.00	-29.57	peak
3	9060.000	35.89	10.51	46.40	74.00	-27.60	peak
4	11310.000	32.55	15.91	48.46	74.00	-25.54	peak
5	13905.000	27.97	21.76	49.73	74.00	-24.27	peak
6	17985.000	24.38	25.60	49.98	74.00	-24.02	peak

Test Mode:	802.11g	Channel:	2437 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



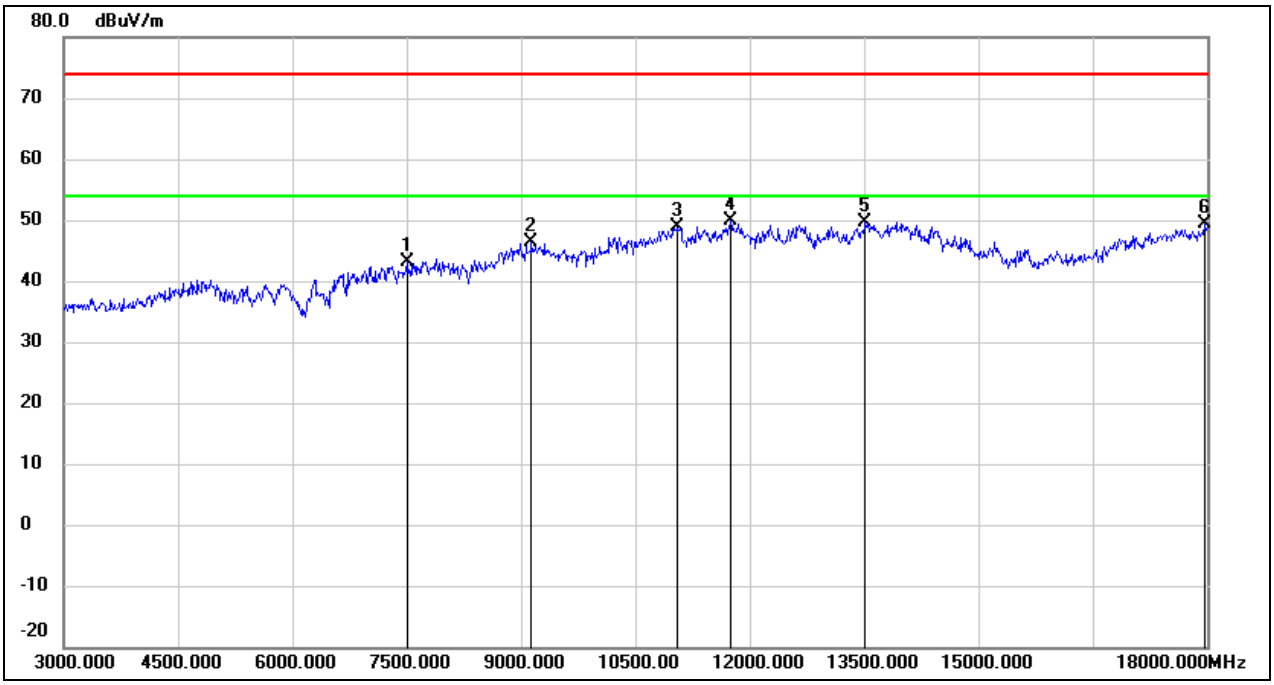
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7560.000	37.43	6.33	43.76	74.00	-30.24	peak
2	9630.000	35.33	11.03	46.36	74.00	-27.64	peak
3	10800.000	33.94	14.06	48.00	74.00	-26.00	peak
4	13590.000	28.30	21.09	49.39	74.00	-24.61	peak
5	14070.000	27.63	21.67	49.30	74.00	-24.70	peak
6	17970.000	24.36	25.51	49.87	74.00	-24.13	peak

Test Mode:	802.11g	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



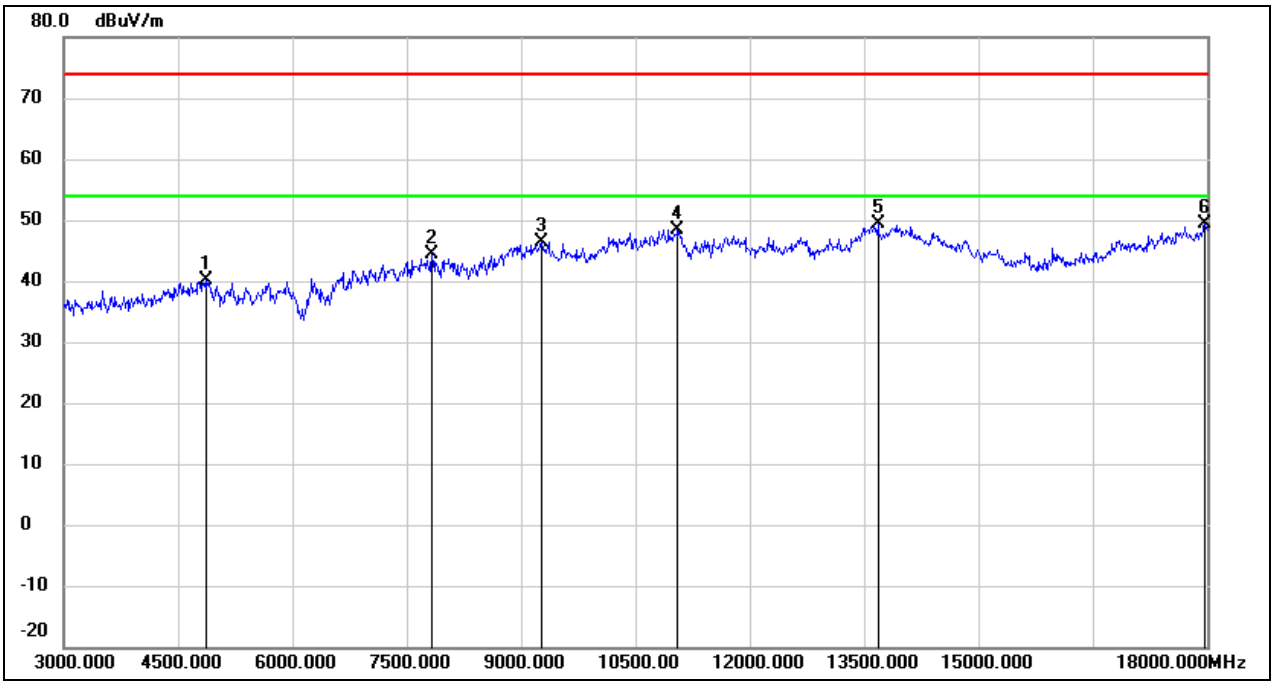
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7170.000	37.54	6.56	44.10	74.00	-29.90	peak
2	9255.000	35.97	10.59	46.56	74.00	-27.44	peak
3	11265.000	33.45	15.74	49.19	74.00	-24.81	peak
4	12690.000	32.35	18.02	50.37	74.00	-23.63	peak
5	13515.000	28.75	20.93	49.68	74.00	-24.32	peak
6	17940.000	23.93	25.34	49.27	74.00	-24.73	peak

Test Mode:	802.11g	Channel:	2462 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



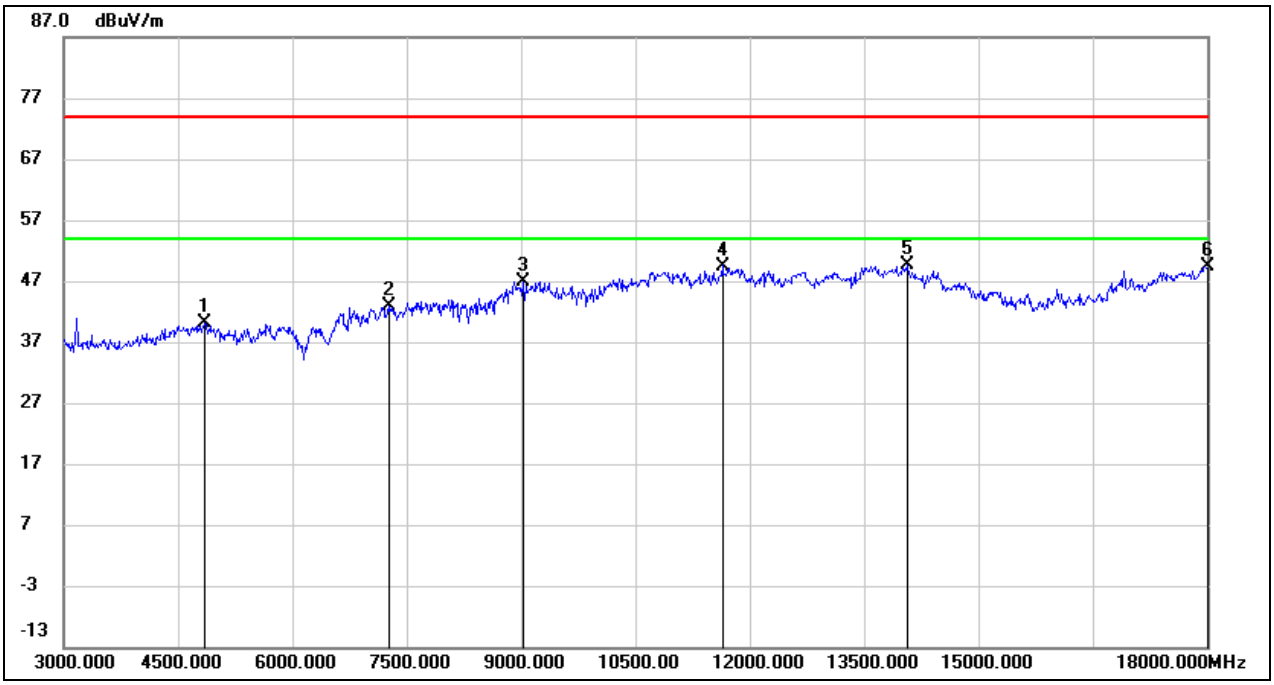
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7500.000	36.70	6.33	43.03	74.00	-30.97	peak
2	9135.000	35.81	10.55	46.36	74.00	-27.64	peak
3	11055.000	34.01	14.96	48.97	74.00	-25.03	peak
4	11745.000	32.72	17.27	49.99	74.00	-24.01	peak
5	13515.000	28.78	20.93	49.71	74.00	-24.29	peak
6	17970.000	23.85	25.51	49.36	74.00	-24.64	peak

Test Mode:	802.11n HT20	Channel:	2412 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



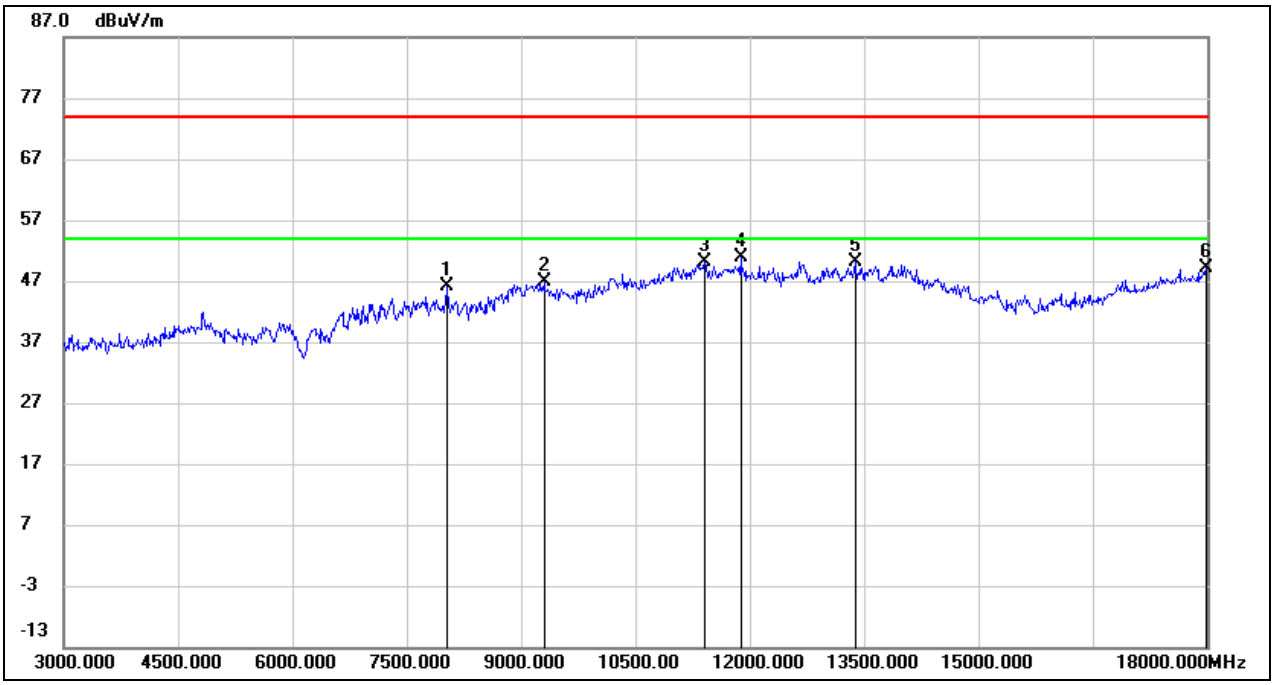
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	40.28	-0.09	40.19	74.00	-33.81	peak
2	7830.000	37.97	6.32	44.29	74.00	-29.71	peak
3	9270.000	35.77	10.59	46.36	74.00	-27.64	peak
4	11055.000	33.39	14.96	48.35	74.00	-25.65	peak
5	13680.000	28.00	21.29	49.29	74.00	-24.71	peak
6	17970.000	23.90	25.51	49.41	74.00	-24.59	peak

Test Mode:	802.11n HT20	Channel:	2412 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



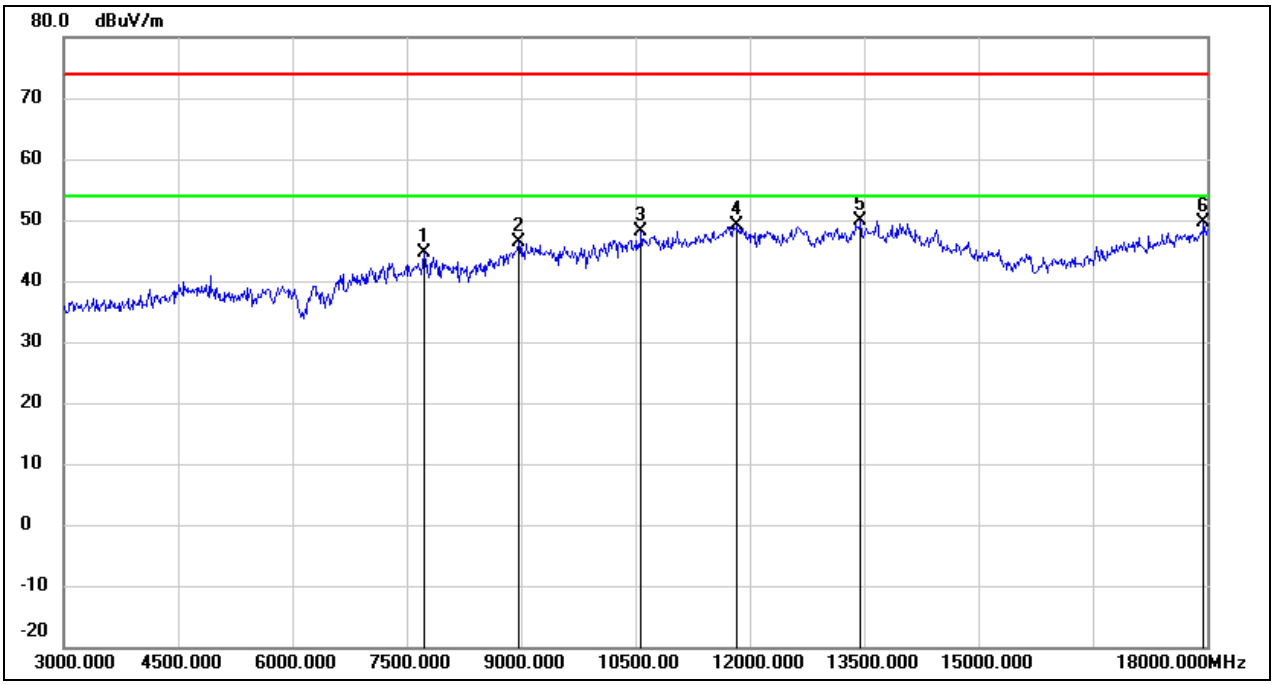
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	40.19	-0.15	40.04	74.00	-33.96	peak
2	7260.000	36.36	6.50	42.86	74.00	-31.14	peak
3	9030.000	36.44	10.49	46.93	74.00	-27.07	peak
4	11640.000	32.52	16.98	49.50	74.00	-24.50	peak
5	14070.000	28.02	21.67	49.69	74.00	-24.31	peak
6	18000.000	23.81	25.69	49.50	74.00	-24.50	peak

Test Mode:	802.11n HT20	Channel:	2437 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



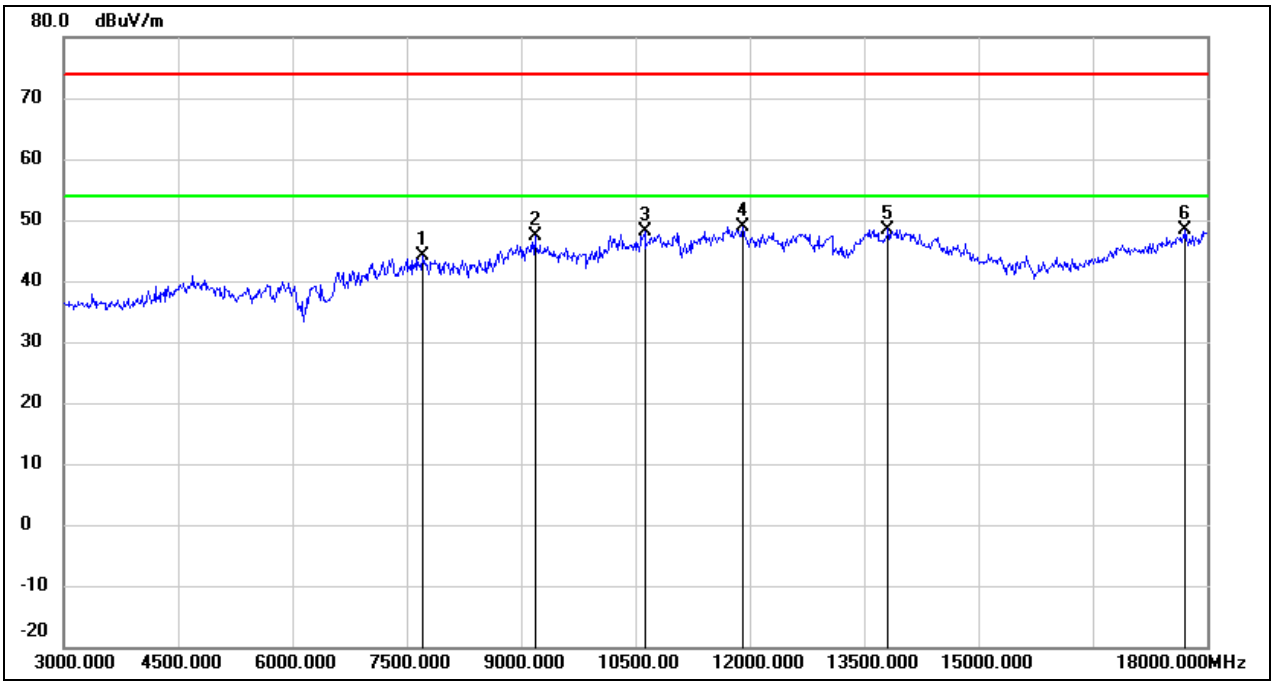
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8025.000	39.86	6.34	46.20	74.00	-27.80	peak
2	9300.000	36.24	10.61	46.85	74.00	-27.15	peak
3	11400.000	33.88	16.23	50.11	74.00	-23.89	peak
4	11880.000	33.37	17.63	51.00	74.00	-23.00	peak
5	13380.000	29.79	20.38	50.17	74.00	-23.83	peak
6	17985.000	23.65	25.60	49.25	74.00	-24.75	peak

Test Mode:	802.11n HT20	Channel:	2437 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



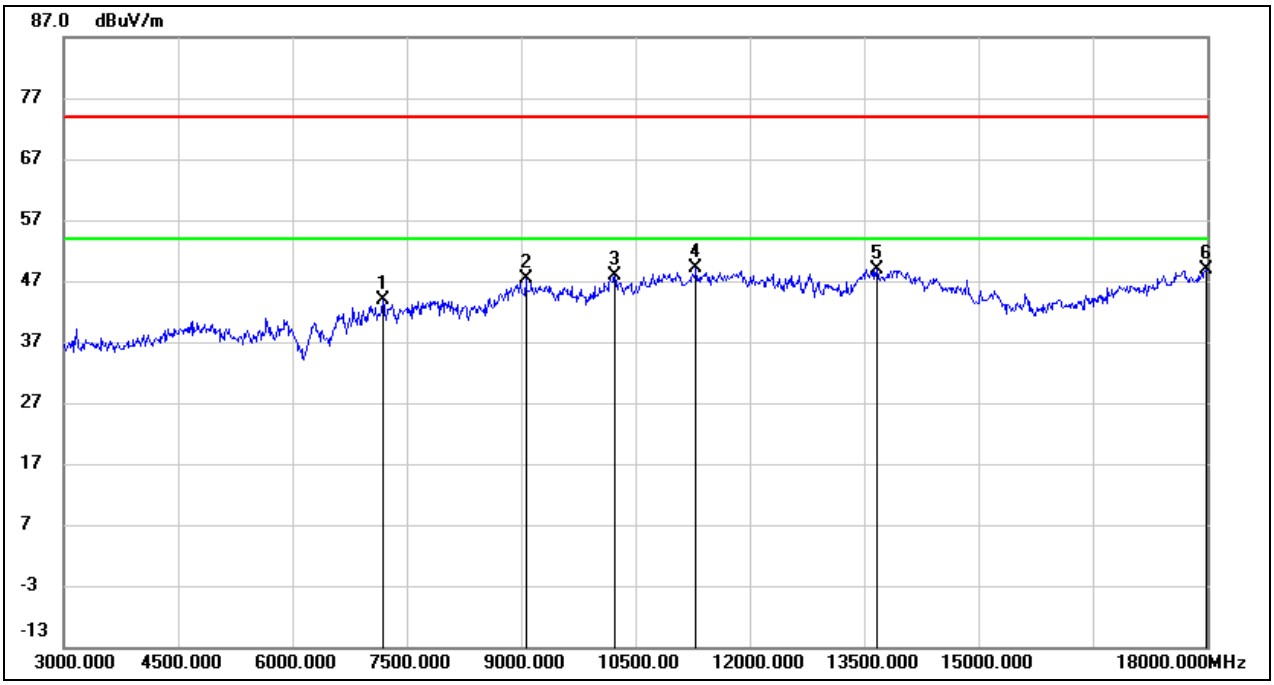
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7725.000	38.35	6.32	44.67	74.00	-29.33	peak
2	8970.000	36.04	10.26	46.30	74.00	-27.70	peak
3	10575.000	34.80	13.25	48.05	74.00	-25.95	peak
4	11835.000	31.56	17.51	49.07	74.00	-24.93	peak
5	13455.000	29.16	20.71	49.87	74.00	-24.13	peak
6	17955.000	24.21	25.42	49.63	74.00	-24.37	peak

Test Mode:	802.11n HT20	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



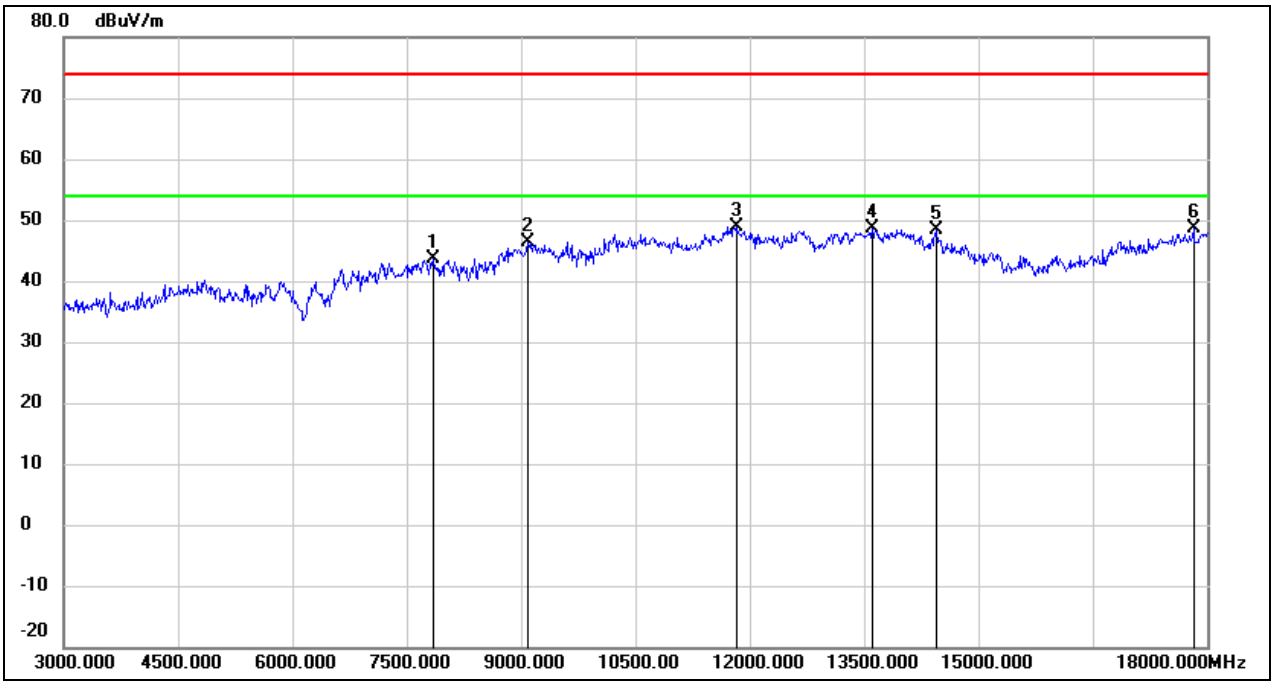
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7710.000	37.79	6.33	44.12	74.00	-29.88	peak
2	9180.000	36.82	10.56	47.38	74.00	-26.62	peak
3	10620.000	34.61	13.42	48.03	74.00	-25.97	peak
4	11910.000	31.15	17.72	48.87	74.00	-25.13	peak
5	13815.000	26.94	21.56	48.50	74.00	-25.50	peak
6	17715.000	24.27	24.00	48.27	74.00	-25.73	peak

Test Mode:	802.11n HT20	Channel:	2462 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



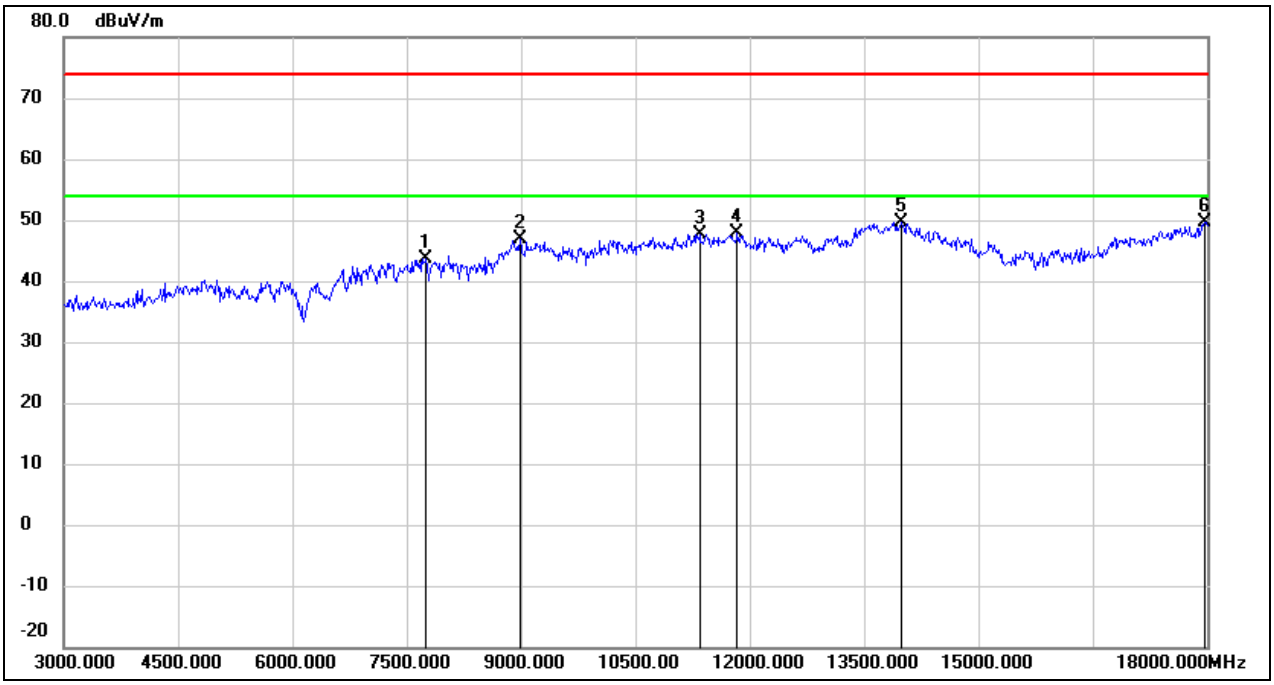
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7185.000	37.21	6.55	43.76	74.00	-30.24	peak
2	9060.000	36.80	10.51	47.31	74.00	-26.69	peak
3	10230.000	35.31	12.46	47.77	74.00	-26.23	peak
4	11295.000	33.23	15.85	49.08	74.00	-24.92	peak
5	13665.000	27.70	21.25	48.95	74.00	-25.05	peak
6	17985.000	23.27	25.60	48.87	74.00	-25.13	peak

Test Mode:	802.11n HT40	Channel:	2422 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



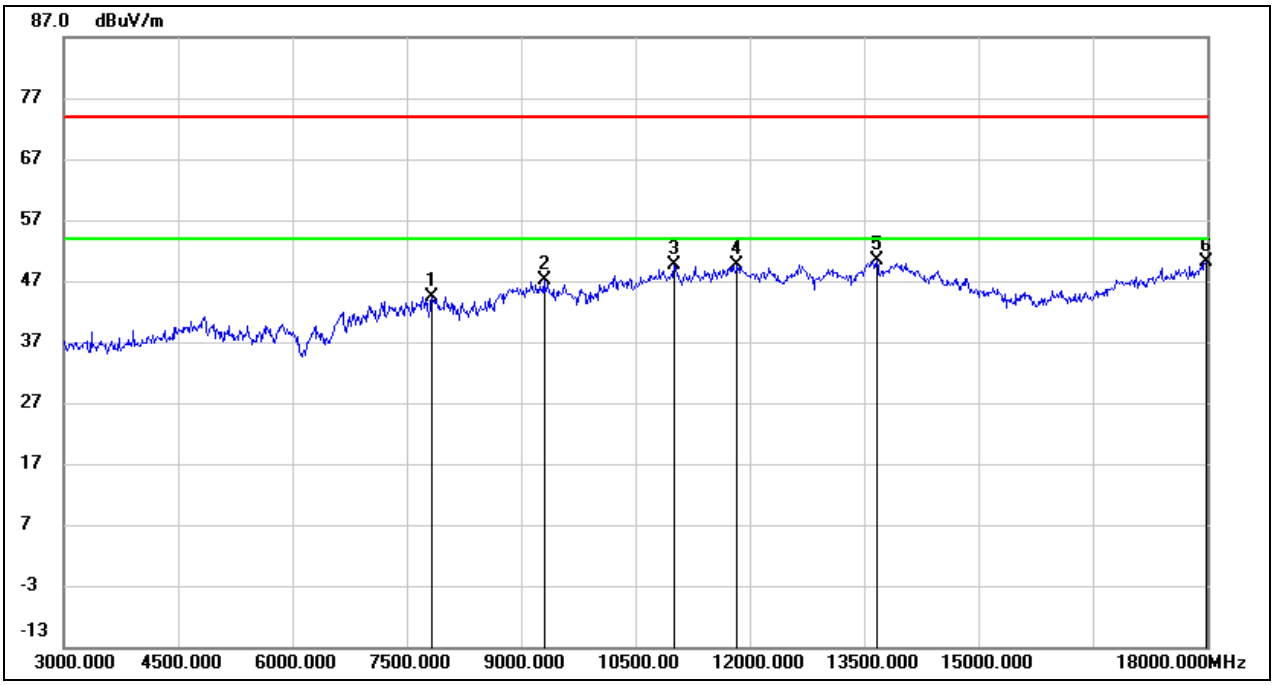
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7845.000	37.37	6.32	43.69	74.00	-30.31	peak
2	9090.000	35.88	10.51	46.39	74.00	-27.61	peak
3	11835.000	31.41	17.51	48.92	74.00	-25.08	peak
4	13605.000	27.46	21.12	48.58	74.00	-25.42	peak
5	14445.000	28.30	20.14	48.44	74.00	-25.56	peak
6	17820.000	23.94	24.63	48.57	74.00	-25.43	peak

Test Mode:	802.11n HT40	Channel:	2422 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



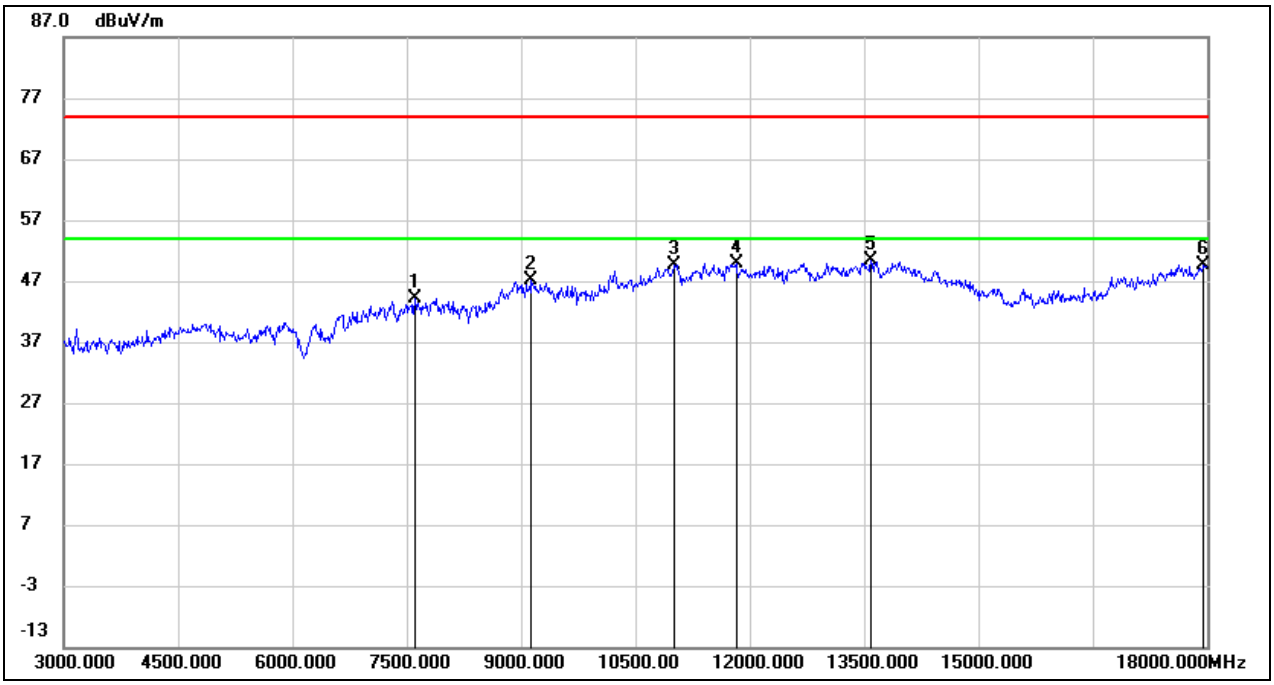
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7755.000	37.42	6.31	43.73	74.00	-30.27	peak
2	8985.000	36.45	10.37	46.82	74.00	-27.18	peak
3	11340.000	31.66	16.01	47.67	74.00	-26.33	peak
4	11835.000	30.41	17.51	47.92	74.00	-26.08	peak
5	13995.000	27.66	21.95	49.61	74.00	-24.39	peak
6	17970.000	24.22	25.51	49.73	74.00	-24.27	peak

Test Mode:	802.11n HT40	Channel:	2437 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



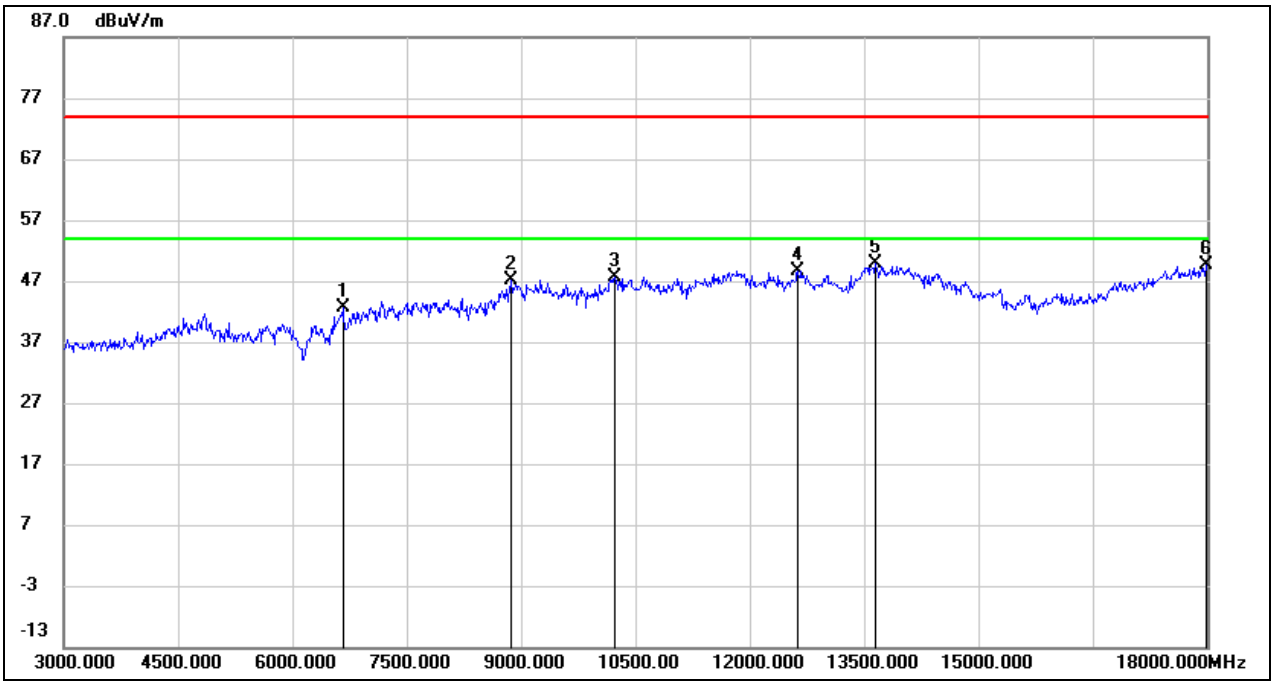
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7830.000	38.07	6.32	44.39	74.00	-29.61	peak
2	9300.000	36.47	10.61	47.08	74.00	-26.92	peak
3	11010.000	34.86	14.81	49.67	74.00	-24.33	peak
4	11835.000	32.22	17.51	49.73	74.00	-24.27	peak
5	13665.000	29.16	21.25	50.41	74.00	-23.59	peak
6	17985.000	24.52	25.60	50.12	74.00	-23.88	peak

Test Mode:	802.11n HT40	Channel:	2437 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



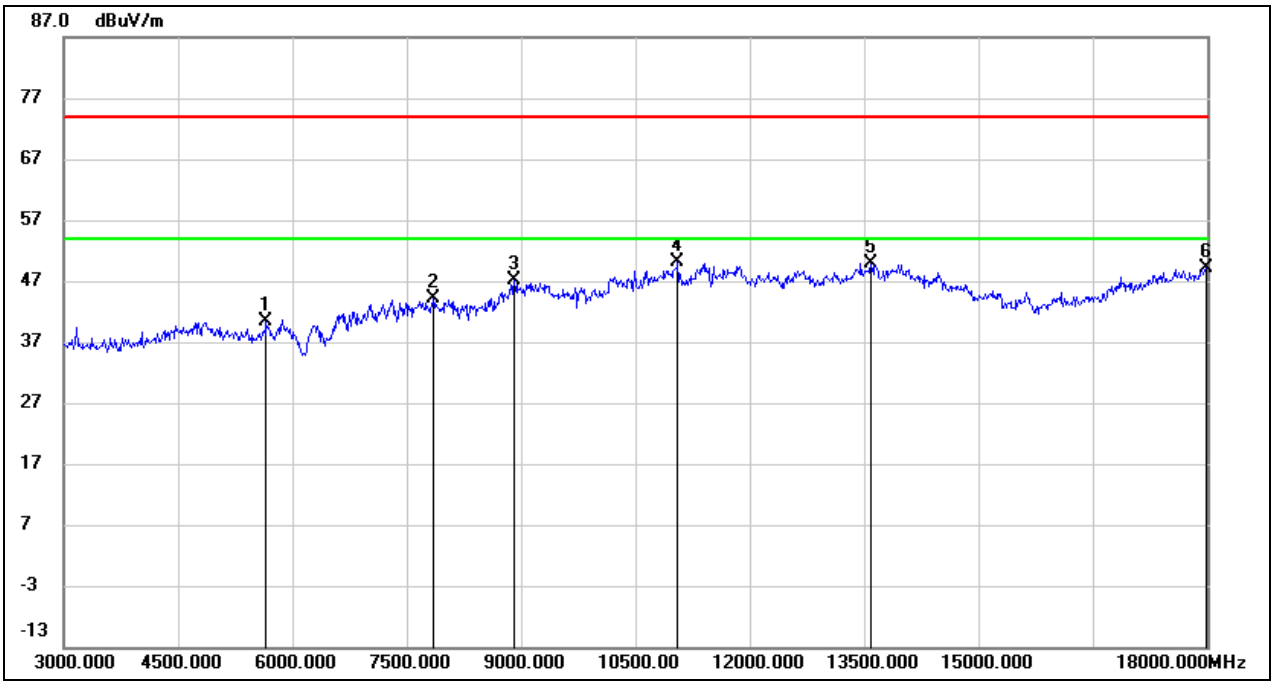
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7605.000	37.80	6.32	44.12	74.00	-29.88	peak
2	9135.000	36.54	10.55	47.09	74.00	-26.91	peak
3	11010.000	34.82	14.81	49.63	74.00	-24.37	peak
4	11820.000	32.33	17.47	49.80	74.00	-24.20	peak
5	13590.000	29.20	21.09	50.29	74.00	-23.71	peak
6	17955.000	24.22	25.42	49.64	74.00	-24.36	peak

Test Mode:	802.11n HT40	Channel:	2452 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6660.000	37.57	5.02	42.59	74.00	-31.41	peak
2	8865.000	37.60	9.50	47.10	74.00	-26.90	peak
3	10230.000	35.06	12.46	47.52	74.00	-26.48	peak
4	12630.000	30.80	17.89	48.69	74.00	-25.31	peak
5	13650.000	28.62	21.21	49.83	74.00	-24.17	peak
6	17985.000	24.06	25.60	49.66	74.00	-24.34	peak

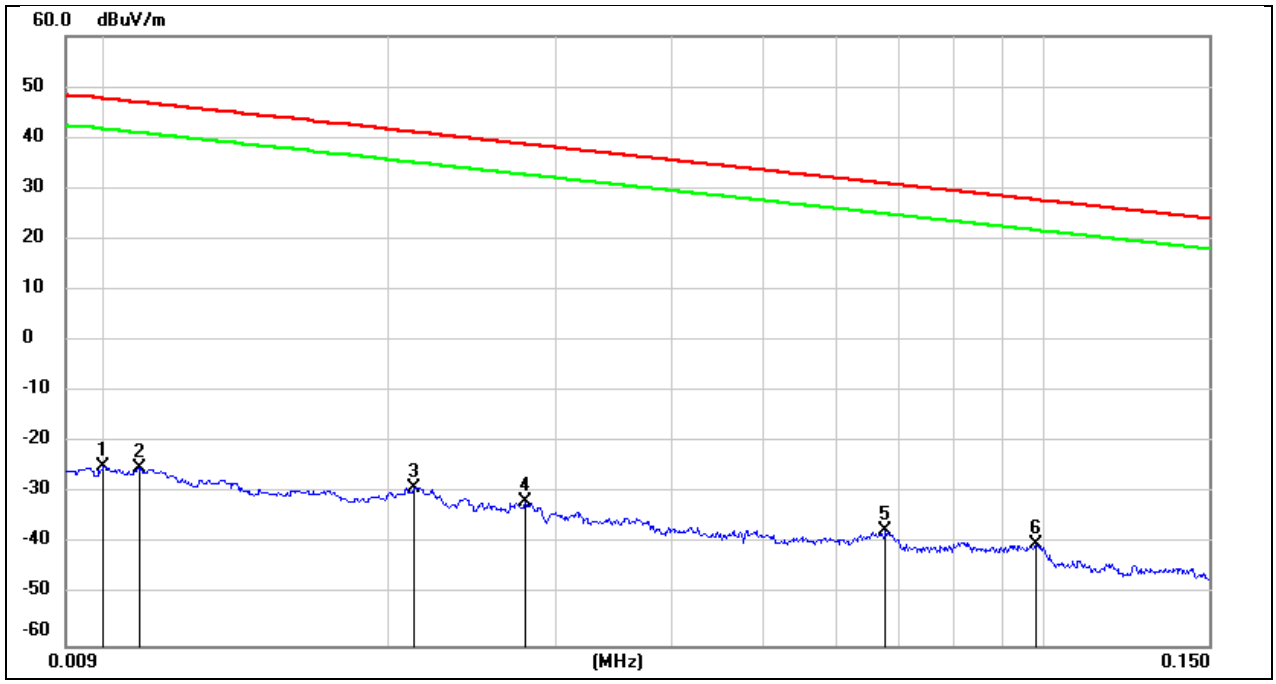
Test Mode:	802.11n HT40	Channel:	2452 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5655.000	39.01	1.29	40.30	74.00	-33.70	peak
2	7845.000	37.77	6.32	44.09	74.00	-29.91	peak
3	8910.000	37.29	9.82	47.11	74.00	-26.89	peak
4	11055.000	35.10	14.96	50.06	74.00	-23.94	peak
5	13590.000	28.78	21.09	49.87	74.00	-24.13	peak
6	17985.000	23.64	25.60	49.24	74.00	-24.76	peak

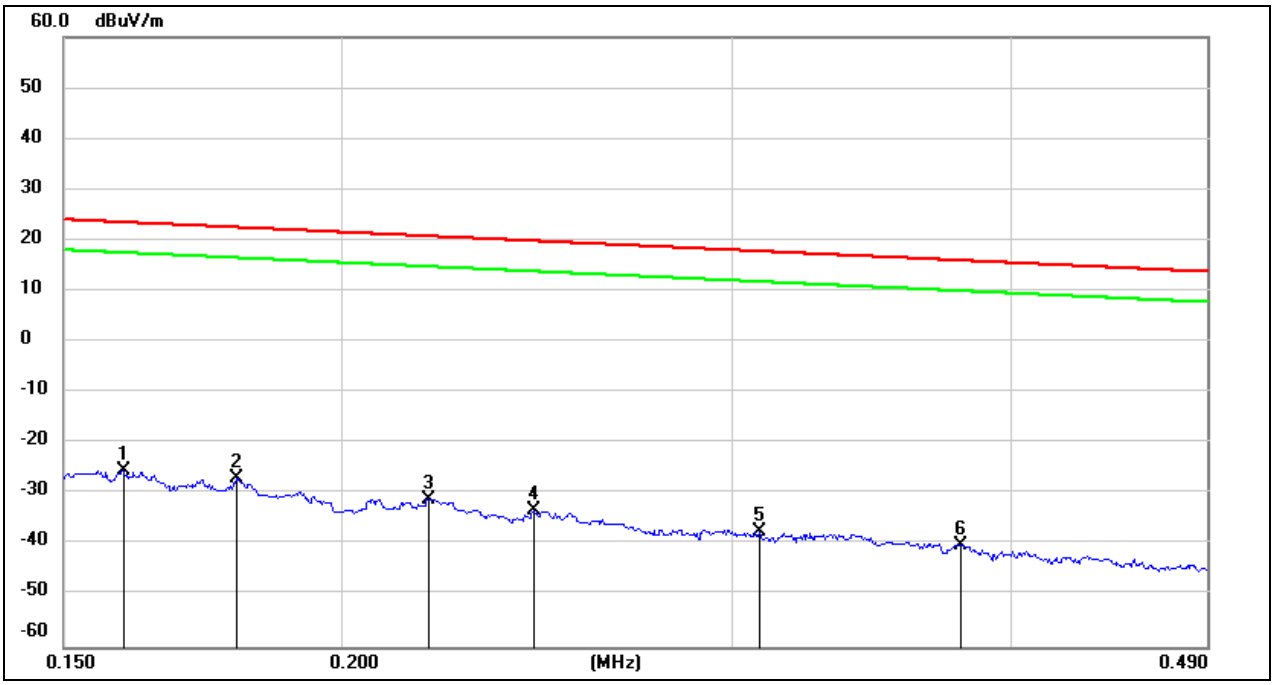
7.4. SPURIOUS EMISSIONS (9 KHZ ~ 30 MHZ)

Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Loop Antenna Face On To The EUT	Test Voltage:	DC 3.3 V



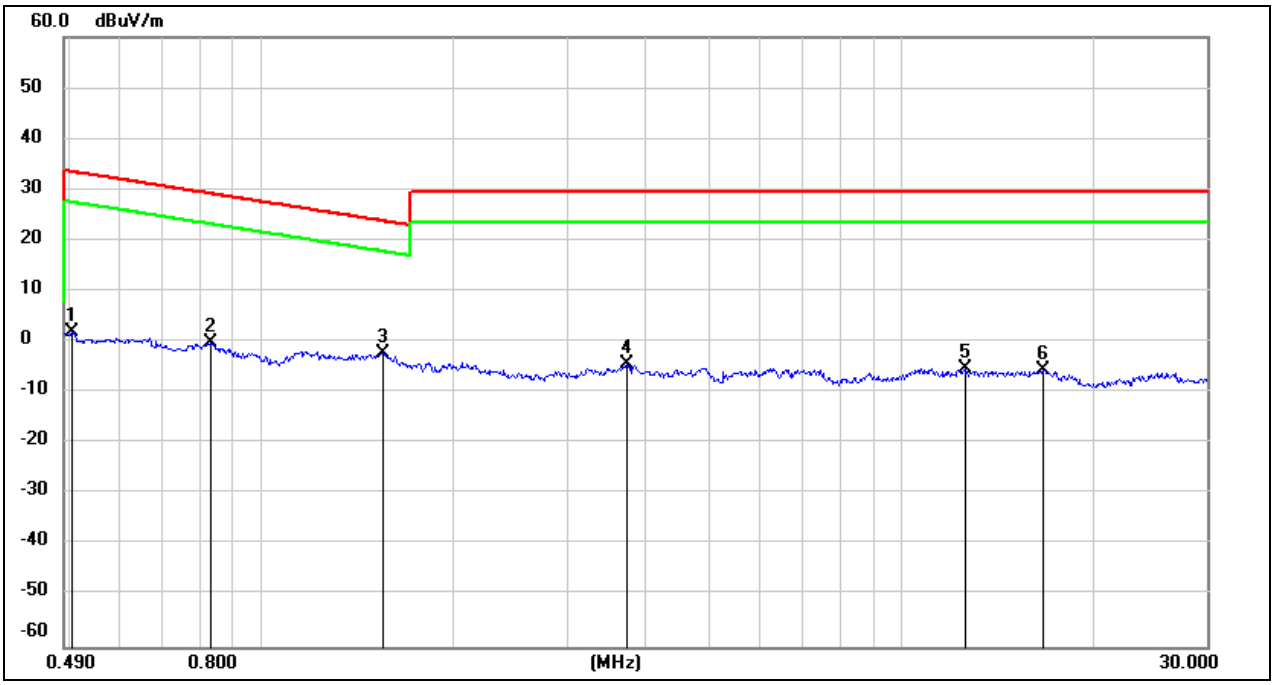
No.	Frequency	Reading	Correct	Result	Result	Limit	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuA/m)	(dBuV/m)	(dBuA/m)	(dB)	
1	0.01	76.72	-101.4	-24.68	-76.18	47.6	-3.9	-72.28	peak
2	0.0108	76.28	-101.39	-25.11	-76.61	46.93	-4.57	-72.04	peak
3	0.0212	72.54	-101.35	-28.81	-80.31	41.07	-10.43	-69.88	peak
4	0.0279	69.67	-101.38	-31.71	-83.21	38.69	-12.81	-70.40	peak
5	0.0675	64.14	-101.56	-37.42	-88.92	31.02	-20.48	-68.44	peak
6	0.0981	61.77	-101.78	-40.01	-91.51	27.77	-23.73	-67.78	peak

Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Loop Antenna Face On To The EUT	Test Voltage:	DC 3.3 V



No.	Frequency	Reading	Correct	Result	Result	Limit	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuA/m)	(dBuV/m)	(dBuA/m)	(dB)	
1	0.1595	76.36	-101.65	-25.29	-76.79	23.55	-27.95	-48.84	peak
2	0.1794	74.77	-101.68	-26.91	-78.41	22.53	-28.97	-49.44	peak
3	0.219	70.77	-101.75	-30.98	-82.48	20.79	-30.71	-51.77	peak
4	0.2442	68.53	-101.79	-33.26	-84.76	19.85	-31.65	-53.11	peak
5	0.3084	64.45	-101.86	-37.41	-88.91	17.82	-33.68	-55.23	peak
6	0.38	62.02	-101.94	-39.92	-91.42	16.01	-35.49	-55.93	peak

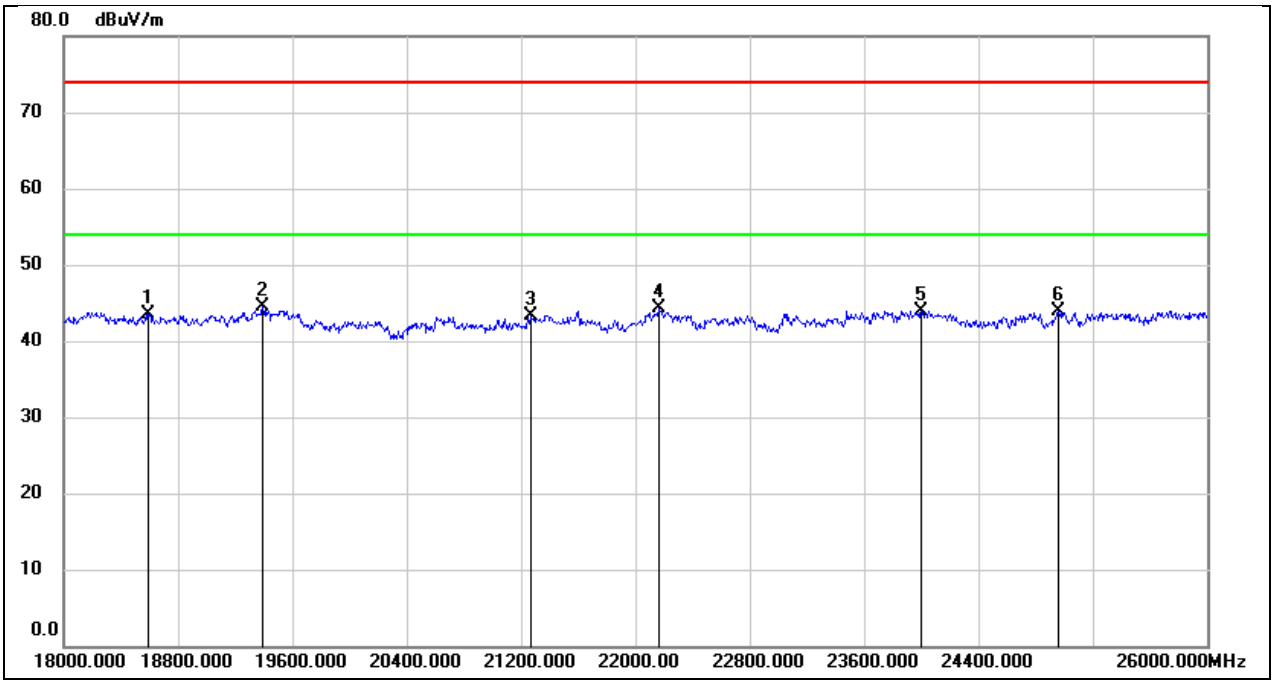
Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Loop Antenna Face On To The EUT	Test Voltage:	DC 3.3 V



No.	Frequency	Reading	Correct	Result	Result	Limit	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuA/m)	(dBuV/m)	(dBuA/m)	(dB)	
1	0.5039	63.93	-62.07	1.86	-49.64	33.56	-17.94	-31.70	peak
2	0.8296	61.94	-62.17	-0.23	-51.73	29.23	-22.27	-29.46	peak
3	1.5443	59.85	-62.03	-2.18	-53.68	23.83	-27.67	-26.01	peak
4	3.71	57.2	-61.41	-4.21	-55.71	29.54	-21.96	-33.75	peak
5	12.5891	55.58	-60.91	-5.33	-56.83	29.54	-21.96	-34.87	peak
6	16.6021	55.52	-60.96	-5.44	-56.94	29.54	-21.96	-34.98	peak

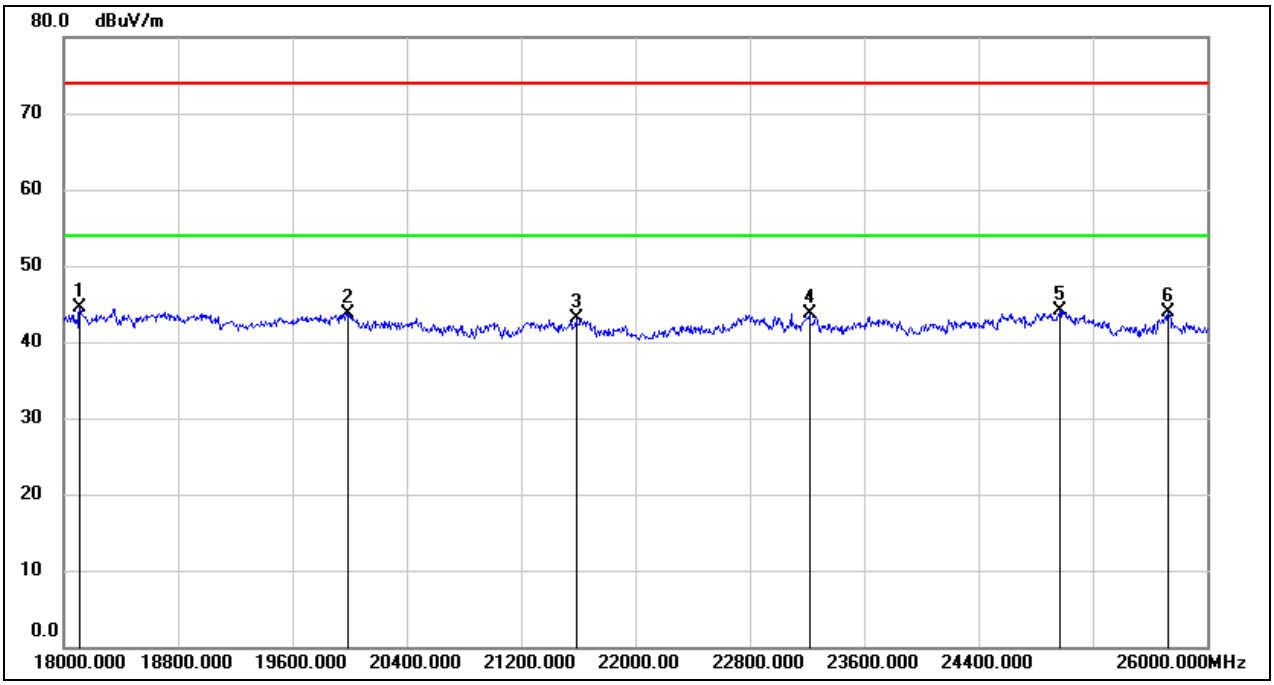
7.5. SPURIOUS EMISSIONS (18 GHZ ~ 26 GHZ)

Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18592.000	48.75	-5.31	43.44	74.00	-30.56	peak
2	19392.000	50.12	-5.57	44.55	74.00	-29.45	peak
3	21264.000	48.04	-4.76	43.28	74.00	-30.72	peak
4	22160.000	48.58	-4.31	44.27	74.00	-29.73	peak
5	24000.000	46.71	-2.75	43.96	74.00	-30.04	peak
6	24960.000	46.14	-2.14	44.00	74.00	-30.00	peak

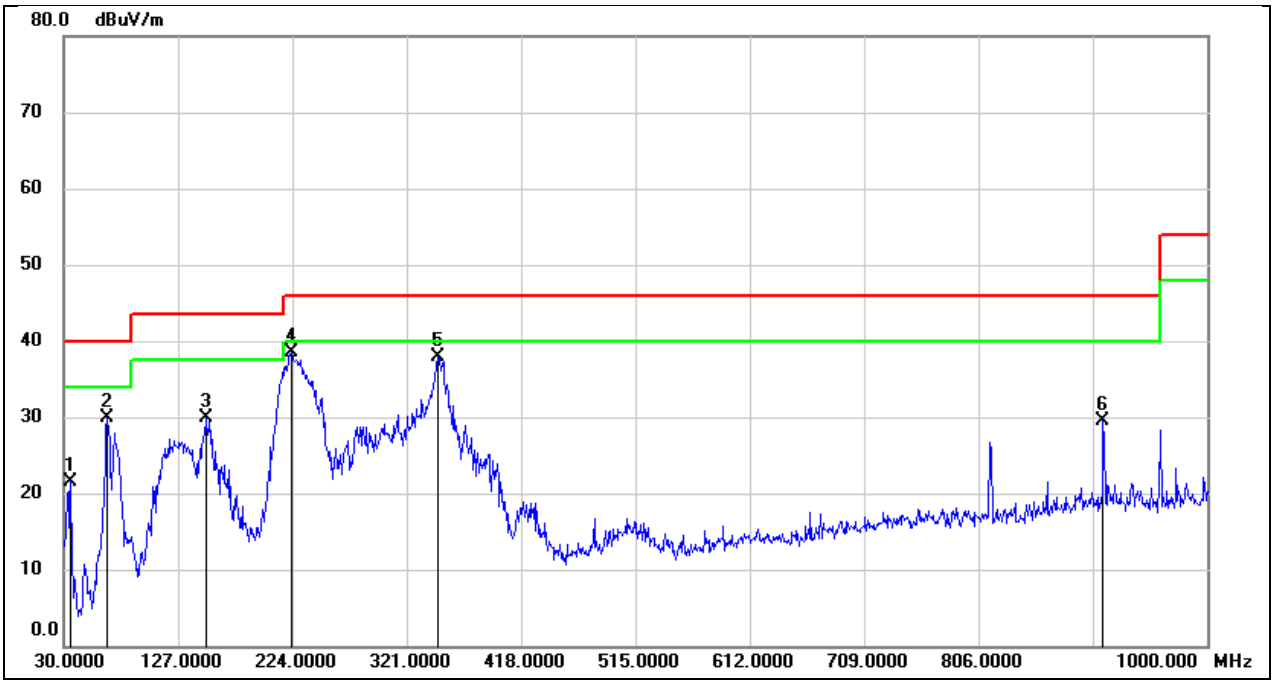
Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18112.000	49.96	-5.47	44.49	74.00	-29.51	peak
2	19984.000	49.21	-5.44	43.77	74.00	-30.23	peak
3	21584.000	47.60	-4.56	43.04	74.00	-30.96	peak
4	23216.000	47.01	-3.38	43.63	74.00	-30.37	peak
5	24968.000	46.26	-2.14	44.12	74.00	-29.88	peak
6	25728.000	44.61	-0.72	43.89	74.00	-30.11	peak

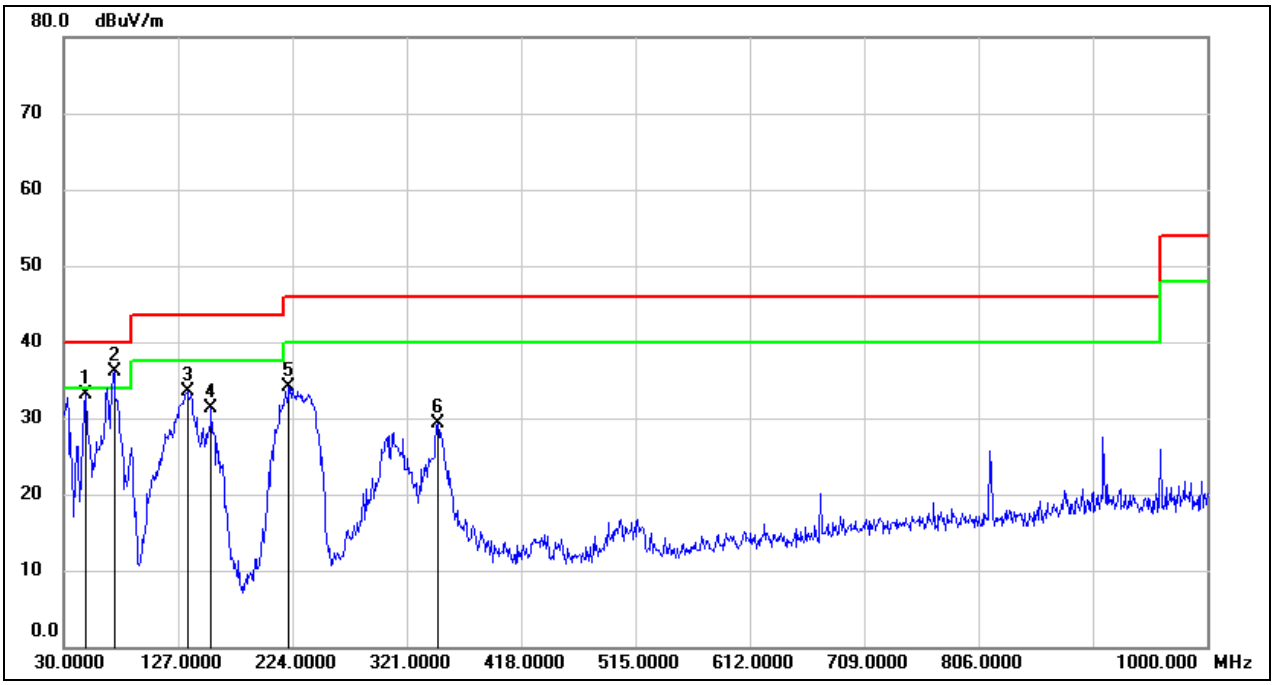
7.6. SPURIOUS EMISSIONS (30 MHZ ~ 1 GHZ)

Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	35.8200	40.75	-19.15	21.60	40.00	-18.40	QP
2	66.8600	50.47	-20.63	29.84	40.00	-10.16	QP
3	150.2800	48.28	-18.34	29.94	43.50	-13.56	QP
4	223.0300	56.05	-17.63	38.42	46.00	-7.58	QP
5	347.1900	50.89	-13.08	37.81	46.00	-8.19	QP
6	911.7300	34.23	-4.68	29.55	46.00	-16.45	QP

Test Mode:	802.11b	Channel:	2462 MHz
Polarity:	Vertical	Test Voltage:	DC 3.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	48.4300	53.53	-20.44	33.09	40.00	-6.91	QP
2	72.6800	57.13	-20.96	36.17	40.00	-3.83	QP
3	134.7600	52.64	-19.08	33.56	43.50	-9.94	QP
4	155.1300	49.26	-17.96	31.30	43.50	-12.20	QP
5	221.0900	51.56	-17.54	34.02	46.00	-11.98	QP
6	347.1900	42.31	-13.08	29.23	46.00	-16.77	QP

END OF REPORT