

**CFR 47 FCC PART 15 SUBPART C  
ISED RSS-247 Issue 4**

**TEST REPORT**

*For*

**Robotic Vacuum Cleaner**

**MODEL NUMBER: RRE0BEL**

**HVIN: RRE0BEL-FGN2**

**REPORT NUMBER: 4791828641-6-RF-1**

**ISSUE DATE: August 18, 2025**

**FCC ID:2AN2O-RRE0BEL01**

**IC:23317-RRE0BEL01**

*Prepared for*

**Beijing Roborock Technology Co., Ltd.  
Room 1001, Floor 10, Building 3, Yard 17, Anju Road, Changping District, Beijing,  
P.R. China**

*Prepared by*

**UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch  
Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan,  
Guangdong, China**

**Tel: +86 769 22038881**

**Fax: +86 769 33244054**

**Website: [www.ul.com](http://www.ul.com)**

The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products.

## Revision History

Rev.	Issue Date	Revisions	Revised By
V0	August 18, 2025	Initial Issue	

### Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c) RSS-GEN Clause 6.8	Pass
AC Power Line Conducted Emission	ANSI C63.10-2013, Clause 6.2	FCC Part 15.207 RSS-GEN Clause 8.8	Pass
Conducted Output Power	ANSI C63.10-2013, Clause 11.9.2.3.1	FCC Part 15.247 (b)(3) RSS-247 Clause 5.4 (d)	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2013, Clause 11.8.1	FCC Part 15.247 (a)(2) RSS-247 Clause 5.2 (a) ISED RSS-Gen Clause 6.7	Pass
Power Spectral Density	ANSI C63.10-2013, Clause 11.10.5	FCC Part 15.247 (e) RSS-247 Clause 5.2 (b)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2013, Clause 11.11	FCC Part 15.247(d) RSS-247 Clause 5.5	Pass
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
Duty Cycle	ANSI C63.10-2013, Clause 11.6	None; for reporting purposes only.	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 ISED RSS-247 Issue 4> when <Simple Acceptance> decision rule is applied.

## CONTENTS

<b>1. ATTESTATION OF TEST RESULTS .....</b>	<b>6</b>
<b>2. TEST METHODOLOGY .....</b>	<b>7</b>
<b>3. FACILITIES AND ACCREDITATION .....</b>	<b>7</b>
<b>4. CALIBRATION AND UNCERTAINTY .....</b>	<b>8</b>
4.1. MEASURING INSTRUMENT CALIBRATION .....	8
4.2. MEASUREMENT UNCERTAINTY .....	8
<b>5. EQUIPMENT UNDER TEST .....</b>	<b>9</b>
5.1. DESCRIPTION OF EUT .....	9
5.2. CHANNEL LIST .....	9
5.3. MAXIMUM POWER .....	9
5.4. TEST CHANNEL CONFIGURATION .....	10
5.5. THE WORSE CASE POWER SETTING PARAMETER .....	10
5.6. DESCRIPTION OF AVAILABLE ANTENNAS .....	11
5.7. SUPPORT UNITS FOR SYSTEM TEST .....	12
5.8. SETUP DIAGRAM .....	13
<b>6. MEASURING EQUIPMENT AND SOFTWARE USED .....</b>	<b>14</b>
<b>7. ANTENNA PORT TEST RESULTS .....</b>	<b>17</b>
7.1. CONDUCTED OUTPUT POWER .....	17
7.2. 6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH .....	18
7.3. POWER SPECTRAL DENSITY .....	20
7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION .....	22
7.5. DUTY CYCLE .....	24
<b>8. RADIATED TEST RESULTS .....</b>	<b>25</b>
8.1. RESTRICTED BANDEDGE .....	33
8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ) .....	58
8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ) .....	64
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ) .....	106
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ) .....	109
8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ) .....	111
<b>9. ANTENNA REQUIREMENT .....</b>	<b>113</b>
<b>10. AC POWER LINE CONDUCTED EMISSION .....</b>	<b>114</b>

<b>11.</b>	<b>TEST DATA .....</b>	<b>117</b>
11.1.	<i>APPENDIX A: DTS BANDWIDTH .....</i>	<i>117</i>
11.1.1.	Test Result .....	117
11.1.2.	Test Graphs .....	118
11.2.	<i>APPENDIX B: OCCUPIED CHANNEL BANDWIDTH .....</i>	<i>124</i>
11.2.1.	Test Result .....	124
11.2.2.	Test Graphs .....	125
11.3.	<i>APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER .....</i>	<i>131</i>
11.3.1.	Test Result .....	131
11.4.	<i>APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY .....</i>	<i>132</i>
11.4.1.	Test Result .....	132
11.4.2.	Test Graphs .....	133
11.5.	<i>APPENDIX E: BAND EDGE MEASUREMENTS .....</i>	<i>139</i>
11.5.1.	Test Result .....	139
11.5.2.	Test Graphs .....	140
11.6.	<i>APPENDIX F: CONDUCTED SPURIOUS EMISSION .....</i>	<i>144</i>
11.6.1.	Test Result .....	144
11.6.2.	Test Graphs .....	145
11.7.	<i>APPENDIX G: DUTY CYCLE .....</i>	<i>163</i>
11.7.1.	Test Result .....	163
11.7.2.	Test Graphs .....	164

## 1. ATTESTATION OF TEST RESULTS

### Applicant Information

Company Name: Beijing Roborock Technology Co., Ltd.  
Address: Room 1001, Floor 10, Building 3, Yard 17, Anju Road, Changping District, Beijing, P.R. China

### Manufacturer Information

Company Name: Beijing Roborock Technology Co., Ltd.  
Address: Room 1001, Floor 10, Building 3, Yard 17, Anju Road, Changping District, Beijing, P.R. China

### EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRE0BEL  
Sample Received Date: July 18, 2025  
Sample ID: 8723075-2  
Date of Tested: July 18, 2025 to August 18, 2025

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C ISED RSS-247 Issue 4	Pass

Prepared By:



Wite Chen  
Engineer Project Associate

Checked By:



Kebo Zhang  
Operations Leader

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 ISSED RSS-247 Issue 4, 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 ISSED RSS-GEN Issue 5

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b> 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.</p> <p><b>ISED (Company No.: 21320)</b> 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.</p> <p><b>VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202)</b> 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 E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202</p>
---------------------------	---

Note 1:

All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, 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)
Duty Cycle	±0.028%
DTS and 99% Occupied Bandwidth	±0.0196%
Maximum Conducted Output Power	±0.686 dB
Maximum Power Spectral Density Level	±0.743 dB
Conducted Band-edge Compliance	±1.328 dB
Conducted Unwanted Emissions In Non-restricted Frequency Bands	±0.746 dB (9 kHz ~ 1 GHz)
	±1.328dB (1 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	Robotic Vacuum Cleaner
Model	RRE0BEL

Frequency Range:	2412 MHz to 2462 MHz
Type of Modulation:	IEEE 802.11b: DSSS(CCK, DQPSK, DBPSK) IEEE 802.11g/n: OFDM(64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11ax: OFDM(1024-QAM, 64-QAM, 16-QAM, QPSK, BPSK)
Radio Technology:	IEEE 802.11b/g/n HT20/11n HT40/ax HE20/ax HE40
Normal Test Voltage:	DC 14.4V

### 5.2. CHANNEL LIST

Channel List For Bandwidth=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 Bandwidth=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. MAXIMUM POWER

IEEE Std. 802.11	Frequency (MHz)	Channel Number	Maximum Conducted AVG Output Power (dBm)	Maximum AVG EIRP (dBm)
b	2412 ~ 2462	1-11[11]	10.33	12.56
g	2412 ~ 2462	1-11[11]	13.52	15.75
n HT20	2412 ~ 2462	1-11[11]	14.26	16.49
n HT40	2422 ~ 2452	3-9[7]	8.79	11.02
ax HE20	2412 ~ 2462	1-11[11]	10.10	12.33
ax HE40	2422 ~ 2452	3-9[7]	8.96	11.19

#### 5.4. 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
ax HE20	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz
ax HE40	CH 3(Low Channel), CH 6(MID Channel), CH 9(High Channel)	2422 MHz, 2437 MHz, 2452 MHz

#### 5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band							
Test Software		ADB					
Modulation Mode	Transmit Antenna Number	Test Channel					
		NCB: 20MHz			NCB: 40MHz		
		CH 1	CH 6	CH 11	CH 3	CH 6	CH 9
802.11b	1	8	9	9	/		
802.11g	1	13	13	13			
802.11n HT20	1	14	14	14			
802.11n HT40	1	/			9	9	9
802.11ax HE20	1	10	10	10	/		
802.11ax HE40	1	/			9	9	9

## WORST-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  
802.11ax HE20 mode: MCS0  
802.11ax HE40 mode: MCS0

### 5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412-2462	PIFA antenna	2.23

Test Mode	Transmit and Receive Mode	Description
IEEE 802.11b	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11g	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11n HT20	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11n HT40	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE20	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE40	☒1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.

## 5.7. SUPPORT UNITS FOR SYSTEM TEST

### SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	E42-80	/

### I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	/	/	1.0	/

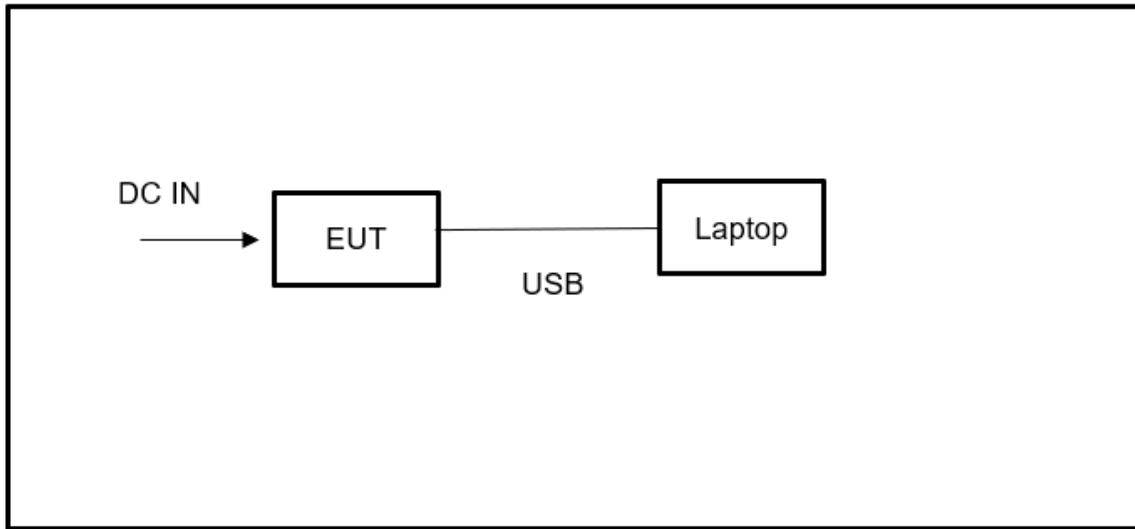
### ACCESSORIES

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

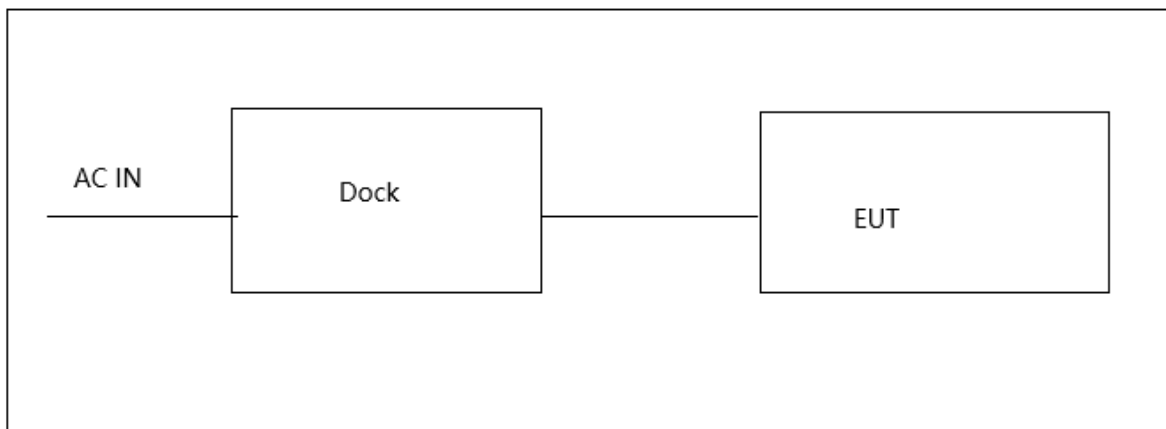
### TEST SETUP

The EUT can work in engineering mode with a software.

## 5.8. SETUP DIAGRAM



For Radiated emissions



For Conducted emissions

Note: The wireless module of the EUT does not work while charging.

## 6. MEASURING EQUIPMENT AND SOFTWARE USED

R&S TS 8997 Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Power sensor, Power Meter	R&S	OSP120	100921	Dec.27,2024	Dec.26,2025
Vector Signal Generator	R&S	SMBV100A	261637	Sep.28, 2024	Sep.27, 2025
Signal Generator	R&S	SMB100A	178553	Sep.28, 2024	Sep.27, 2025
Signal Analyzer	R&S	FSV40	101118	Sep.28, 2024	Sep.27, 2025
Software					
Description	Manufacturer		Name	Version	
For R&S TS 8997 Test System	Rohde & Schwarz		EMC 32	10.60.10	
Tonsend RF Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Wireless Connectivity Tester	R&S	CMW270	1201.0002N75-102	Sep.13, 2024	Sep.12, 2025
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Sep.28, 2024	Sep.27, 2025
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Sep.28, 2024	Sep.27, 2025
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Sep.28, 2024	Sep.27, 2025
DC power supply	Keysight	E3642A	MY55159130	Sep.28, 2024	Sep.27, 2025
Temperature & Humidity Chamber	SANMOOD	SG-80-CC-2	2088	Sep.28, 2024	Sep.27, 2025
Attenuator	Aglient	8495B	2814a12853	Sep.28, 2024	Sep.27, 2025
RF Control Unit	Tonscend	JS0806-2	23B80620666	Dec.27,2024	Dec.26,2025
Software					
Description	Manufacturer	Name		Version	
Tonsend SRD Test System	Tonsend	JS1120-3 RF Test System		V3.2.22	

Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	R&S	ESR3	101961	Sep.28, 2024	Sep.27, 2025
Two-Line V-Network	R&S	ENV216	101983	Sep.28, 2024	Sep.27, 2025
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Sep.28, 2024	Sep.27, 2025
Software					
Description			Manufacturer	Name	Version
Test Software for Conducted Emissions			Farad	EZ-EMC	Ver. UL-3A1

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Sep.28, 2024	Sep.27, 2025
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	June 28, 2024	June.27 2027
Preamplifier	HP	8447D	2944A09099	Sep.28, 2024	Sep.27, 2025
EMI Measurement Receiver	R&S	ESR26	101377	Sep.28, 2024	Sep.27, 2025
Horn Antenna	TDK	HRN-0118	130940	Dec.10, 2024	Dec.11, 2027
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep.28, 2024	Sep.27, 2025
Horn Antenna	Schwarzbeck	BBHA9170	697	Jun 30, 2024	Jun 29, 2027
Preamplifier	TDK	PA-02-2	TRS-307-00003	Sep.28, 2024	Sep.27, 2025
Preamplifier	TDK	PA-02-3	TRS-308-00002	Sep.28, 2024	Sep.27, 2025
Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027
High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Sep.28, 2024	Sep.27, 2025
Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	Sep.28, 2024	Sep.27, 2025
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1

Other Instrument					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Oct.8, 2024	Oct.7, 2025
Barometer	Yiyi	Baro	N/A	Oct.10, 2024	Oct.9, 2025
Attenuator	Agilent	8495B	2814a12853	Sep.28, 2024	Sep.27, 2025



## 7. ANTENNA PORT TEST RESULTS

### 7.1. CONDUCTED OUTPUT POWER

#### LIMITS

CFR 47 FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3) ISED RSS-247 6.3.2	Peak Conduct Output Power	1 watt or 30 dBm	2400-2483.5

#### TEST PROCEDURE

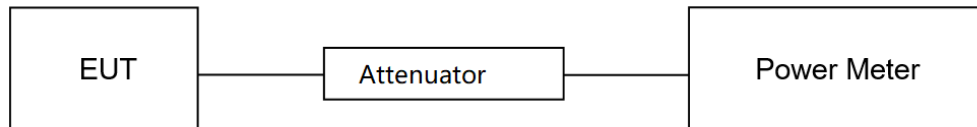
Refer to ANSI C63.10-2013 clause 11.9.2.3.1.

Connect the EUT to a low loss RF cable from the antenna port to the power sensor (video bandwidth is greater than the occupied bandwidth).

Measure peak emission level, the indicated level is the average output power, after any corrections for external attenuators and cables.

The test result in dBm by adding  $[10 \log (1 / D)]$ , where D is the duty cycle.

#### TEST SETUP



#### TEST ENVIRONMENT

Temperature	25.1°C	Relative Humidity	58.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.4V

#### TEST DATE / ENGINEER

Test Date	July 30, 2025	Test By	Bairong Liu
-----------	---------------	---------	-------------

#### TEST RESULTS

Please refer to section "Test Data" - Appendix C

## 7.2. 6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

### LIMITS

CFR 47 FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(a)(2) ISED RSS-247 6.3.1(a)	6 dB Bandwidth	$\geq 500$ kHz	2400-2483.5
ISED RSS-Gen Clause 6.7	99 % Occupied Bandwidth	For reporting purposes only.	2400-2483.5

### TEST PROCEDURE

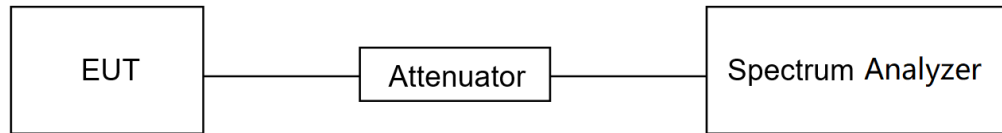
Refer to ANSI C63.10-2013 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Frequency Span	For 6 dB Bandwidth: Enough to capture all products of the modulation carrier emission For 99 % Occupied Bandwidth: Between 1.5 times and 5.0 times the OBW
Detector	Peak
RBW	For 6 dB Bandwidth: 100 kHz For 99 % Occupied Bandwidth: 1 % to 5 % of the occupied bandwidth
VBW	For 6 dB Bandwidth: $\geq 3 \times$ RBW For 99 % Occupied Bandwidth: $\geq 3 \times$ RBW
Trace	Max hold
Sweep	Auto couple

a) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.

b) Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

**TEST SETUP****TEST ENVIRONMENT**

Temperature	25.1℃	Relative Humidity	58.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.4V

**TEST DATE / ENGINEER**

Test Date	July 30, 2025	Test By	Bairong Liu
-----------	---------------	---------	-------------

**TEST RESULTS**

Please refer to section "Test Data" - Appendix A&B

### 7.3. POWER SPECTRAL DENSITY

#### LIMITS

CFR 47 FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC §15.247 (e) ISED RSS-247 6.3.1 (b)	Power Spectral Density	8 dBm in any 3 kHz band	2400-2483.5

#### TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.10.5.

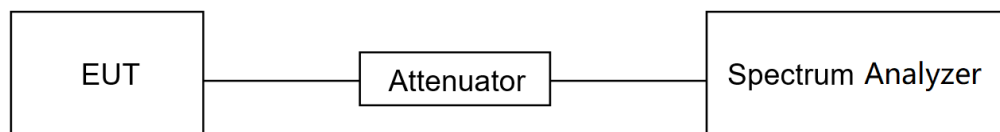
Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	power averaging (rms)
RBW	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW	$\geq 3 \times \text{RBW}$
Span	$1.5 \times \text{OBW bandwidth}$
Trace	Employ trace averaging(rms)mode over a minimum of 100 traces
Sweep time	Auto couple

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

#### TEST SETUP



#### TEST ENVIRONMENT

Temperature	25.1℃	Relative Humidity	58.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.4V

#### TEST DATE / ENGINEER

Test Date	July 30, 2025	Test By	Bairong Liu
-----------	---------------	---------	-------------

**TEST RESULTS**

Please refer to section "Test Data" - Appendix D

## 7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

### LIMITS

CFR 47 FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4		
Section	Test Item	Limit
CFR 47 FCC §15.247 (d) ISED RSS-247 6.6	Conducted Bandedge and Spurious Emissions	at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

### TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.11 and 11.13.

Connect the EUT to the spectrum analyzer and use the following settings for reference level measurement:

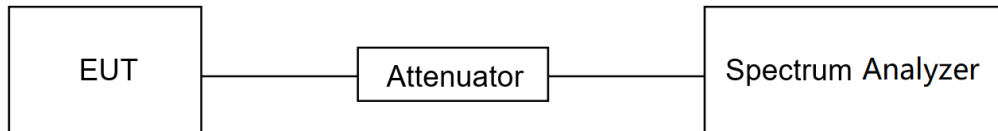
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.

Change the settings for emission level measurement:

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
measurement points	$\geq \text{span}/\text{RBW}$
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11.

**TEST SETUP****TEST ENVIRONMENT**

Temperature	25.1℃	Relative Humidity	58.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.4V

**TEST DATE / ENGINEER**

Test Date	July 30, 2025	Test By	Bairong Liu
-----------	---------------	---------	-------------

**TEST RESULTS**

Please refer to section "Test Data" - Appendix E&F

## 7.5. DUTY CYCLE

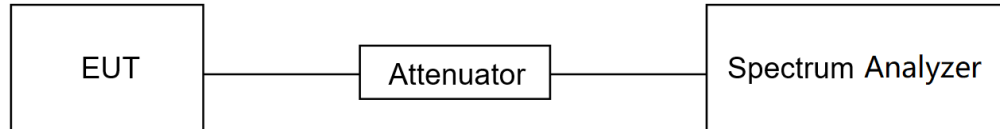
### LIMITS

None; for reporting purposes only.

### TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.6 Zero – Span Spectrum Analyzer method.

### TEST SETUP



### TEST ENVIRONMENT

Temperature	25.1℃	Relative Humidity	58.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.4V

### TEST DATE / ENGINEER

Test Date	July 30, 2025	Test By	Bairong Liu
-----------	---------------	---------	-------------

### TEST RESULTS

Please refer to section "Test Data" - Appendix G



## 8. 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) (uA/m)	Measurement distance (m)
9 - 490 kHz <sup>Note 1</sup>	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

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
<sup>1</sup> 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	( <sup>2</sup> )
13.36-13.41			

Note: <sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

<sup>2</sup>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  $377\Omega$ . 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.

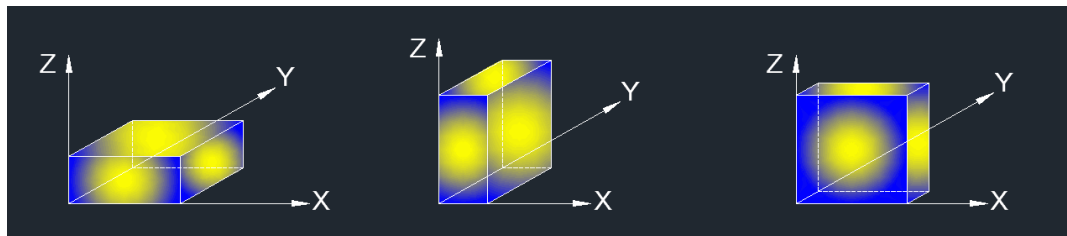
Above 1 GHz

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 clause 7.5. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note

- 1: 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 the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. PK=Peak: Peak detector.
4. AV=Average: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
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 have been tested, but 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 the peak values are less than the QP limit, the QP result is deemed to comply with QP 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 have been tested, but only the worst data was recorded in the report.
5.  $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}[120\pi] = \text{dBuV/m} - 51.5$

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

1. Result Level = Read Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 3 GHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average 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 7.5.
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 have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (3 GHz ~ 18 GHz):

Note:

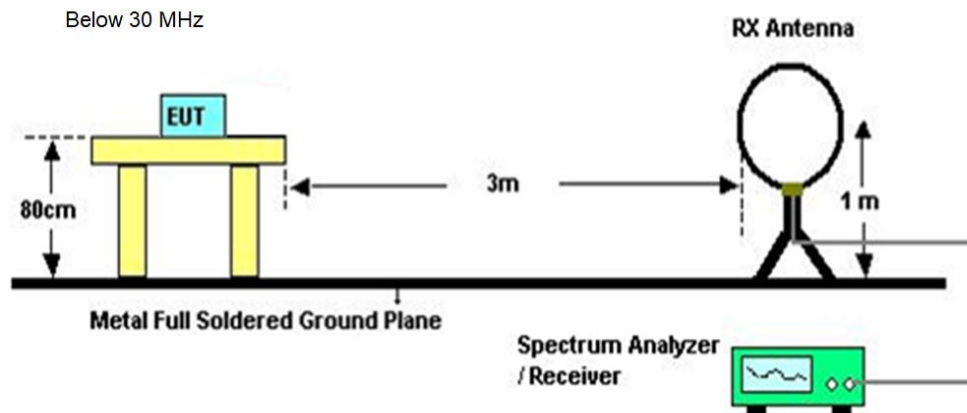
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
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 have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (18 GHz ~ 26 GHz):

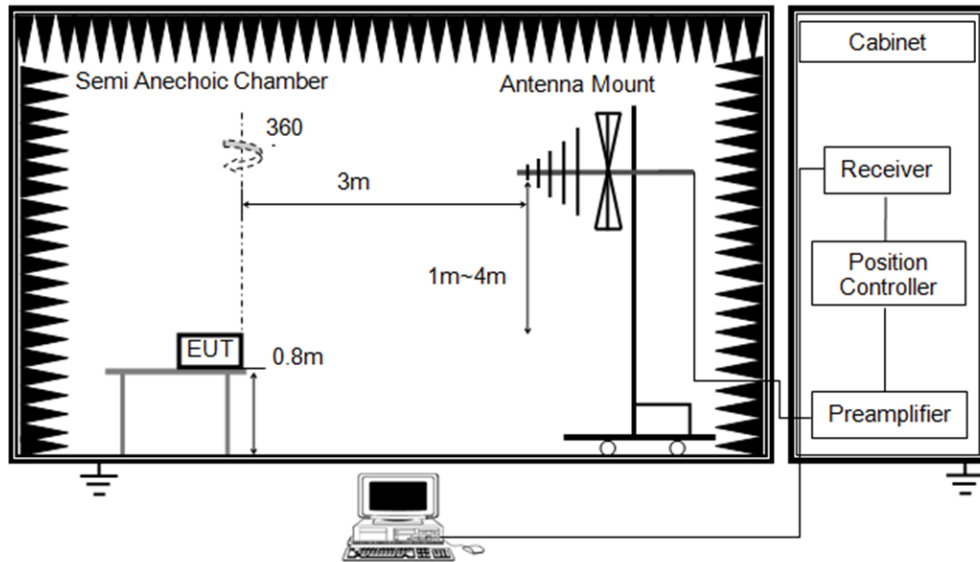
Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. All modes have been tested, but only the worst data was recorded in the report.

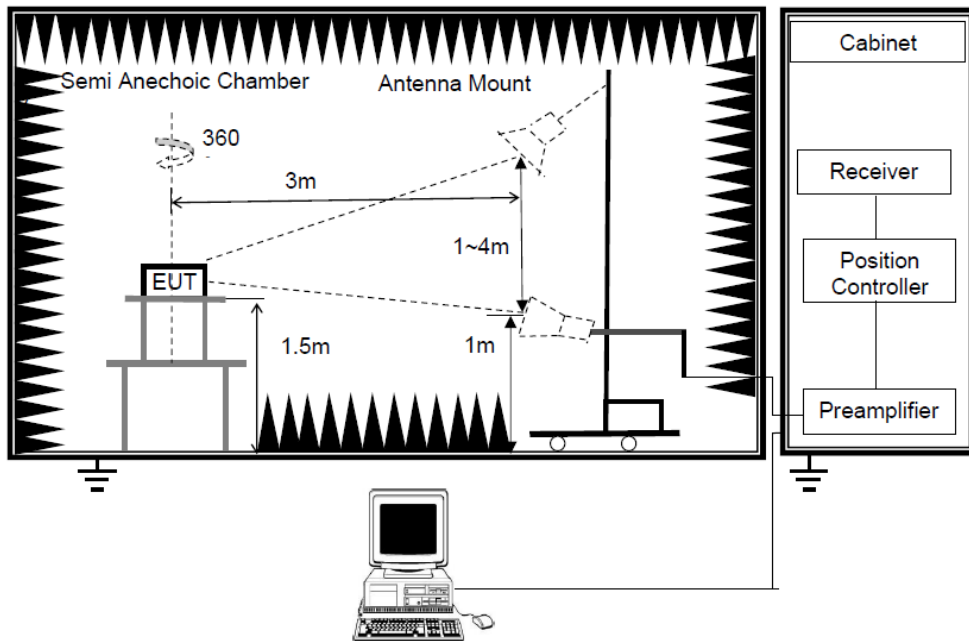
### **TEST SETUP**



Below 1 GHz and above 30 MHz



Above 1GHz



### **TEST ENVIRONMENT**

Temperature	21.6°C	Relative Humidity	60.5%
Atmosphere Pressure	101kPa	Test Voltage	

### **TEST DATE / ENGINEER**

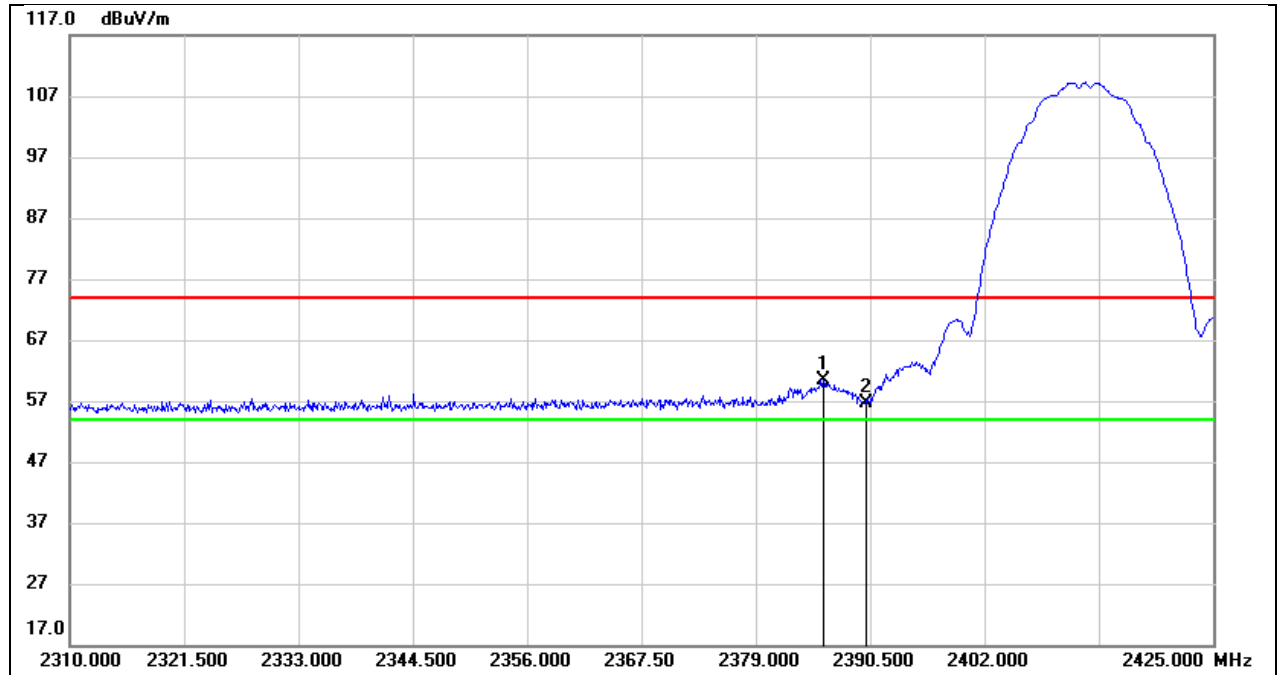
Test Date	August 1, 2025	Test By	Mason Wang
-----------	----------------	---------	------------



## TEST RESULTS

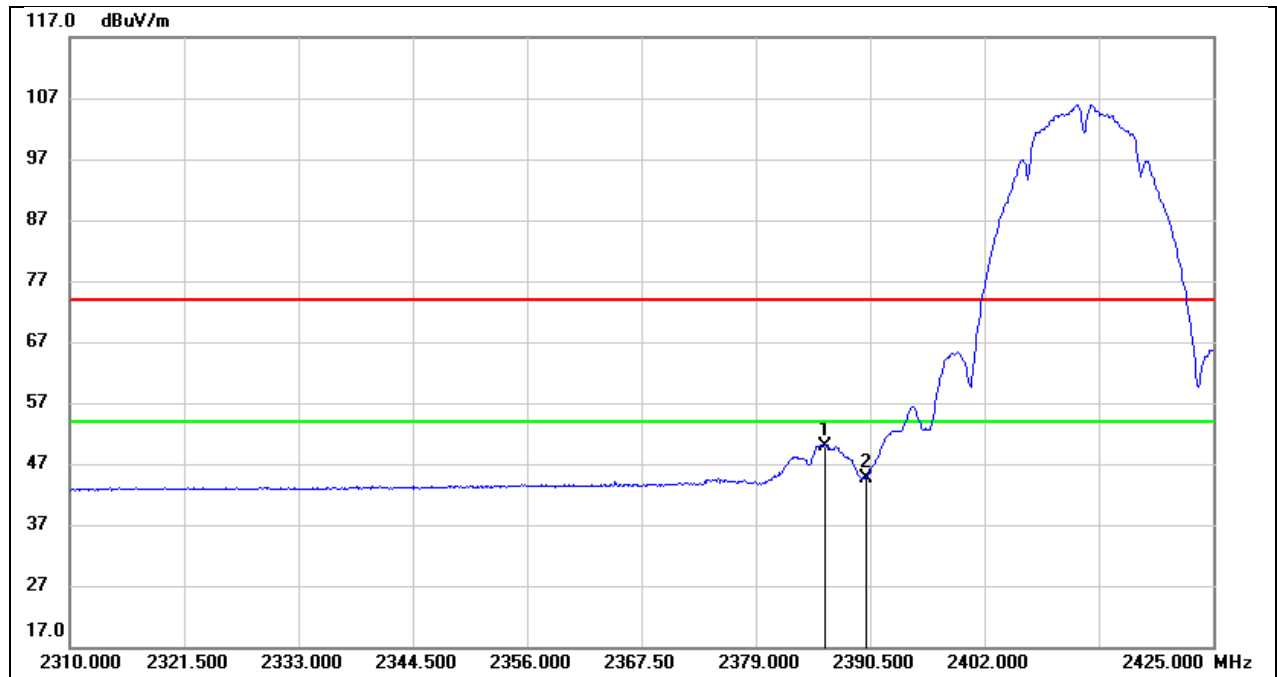
### 8.1. RESTRICTED BANDEDGE

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



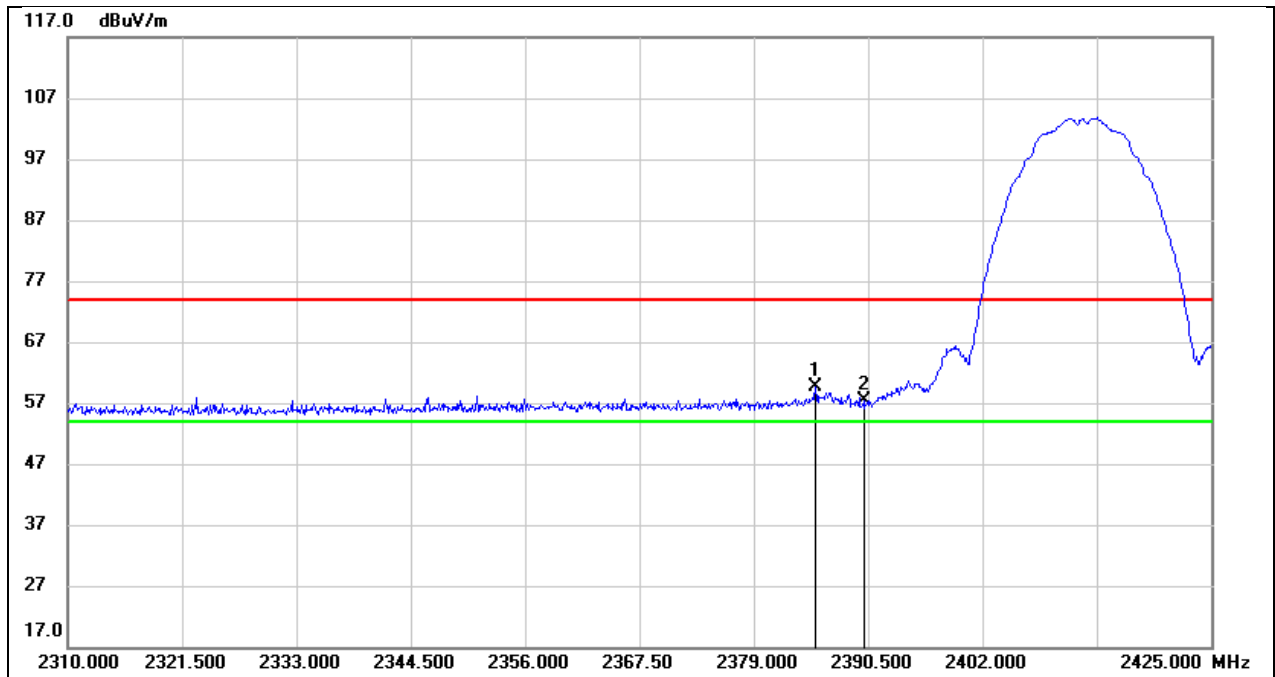
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.785	28.71	31.67	60.38	74.00	-13.62	peak
2	2390.000	25.03	31.69	56.72	74.00	-17.28	peak

Test Mode:	802.11b AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



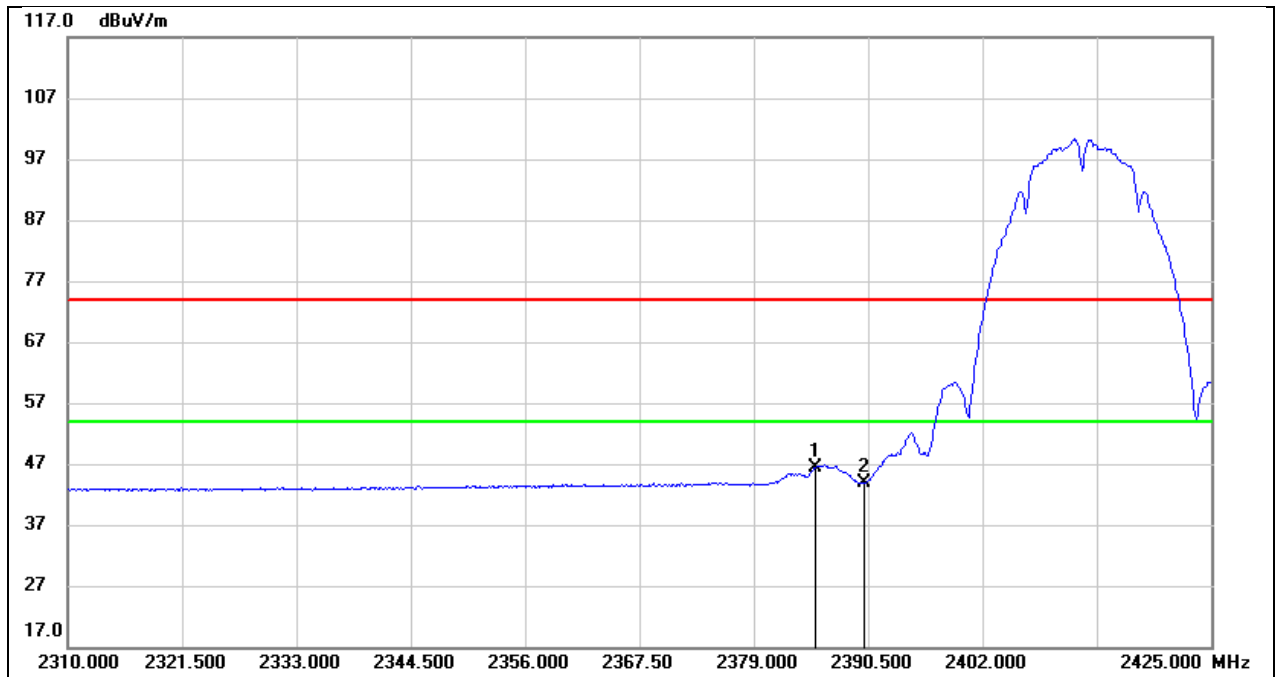
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.785	18.32	31.67	49.99	54.00	-4.01	AVG
2	2390.000	12.84	31.69	44.53	54.00	-9.47	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



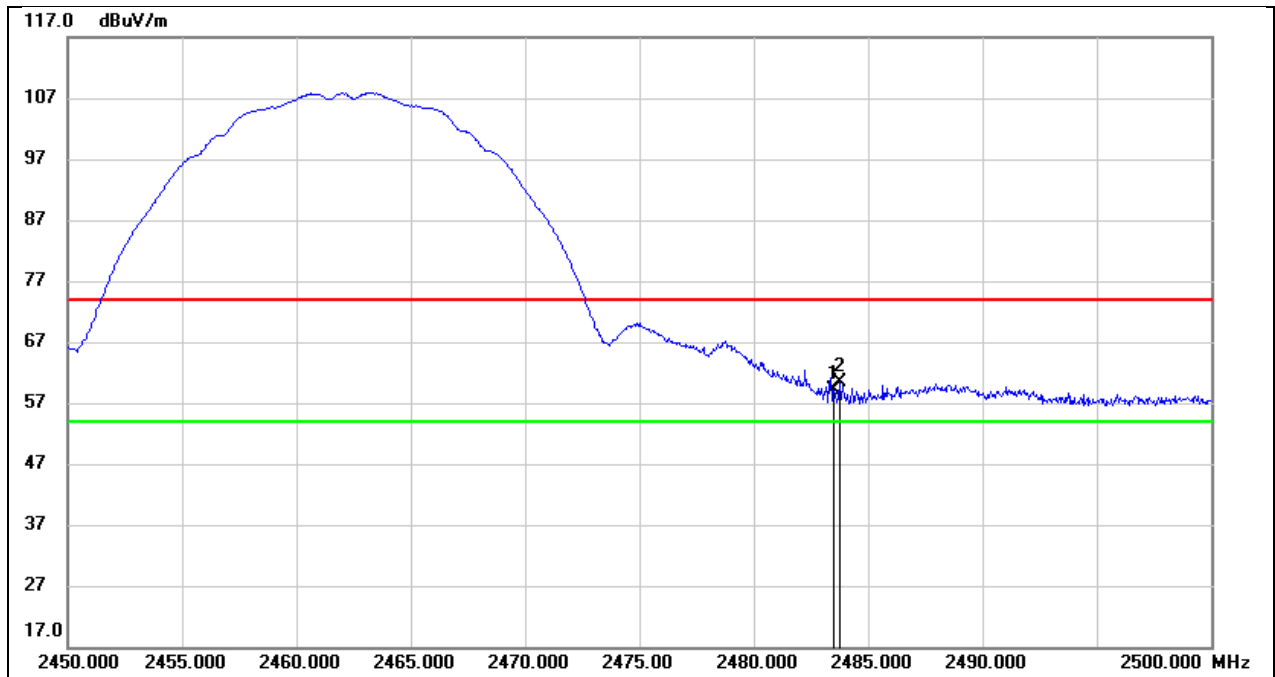
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.210	28.09	31.66	59.75	74.00	-14.25	peak
2	2390.000	25.72	31.69	57.41	74.00	-16.59	peak

Test Mode:	802.11b AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



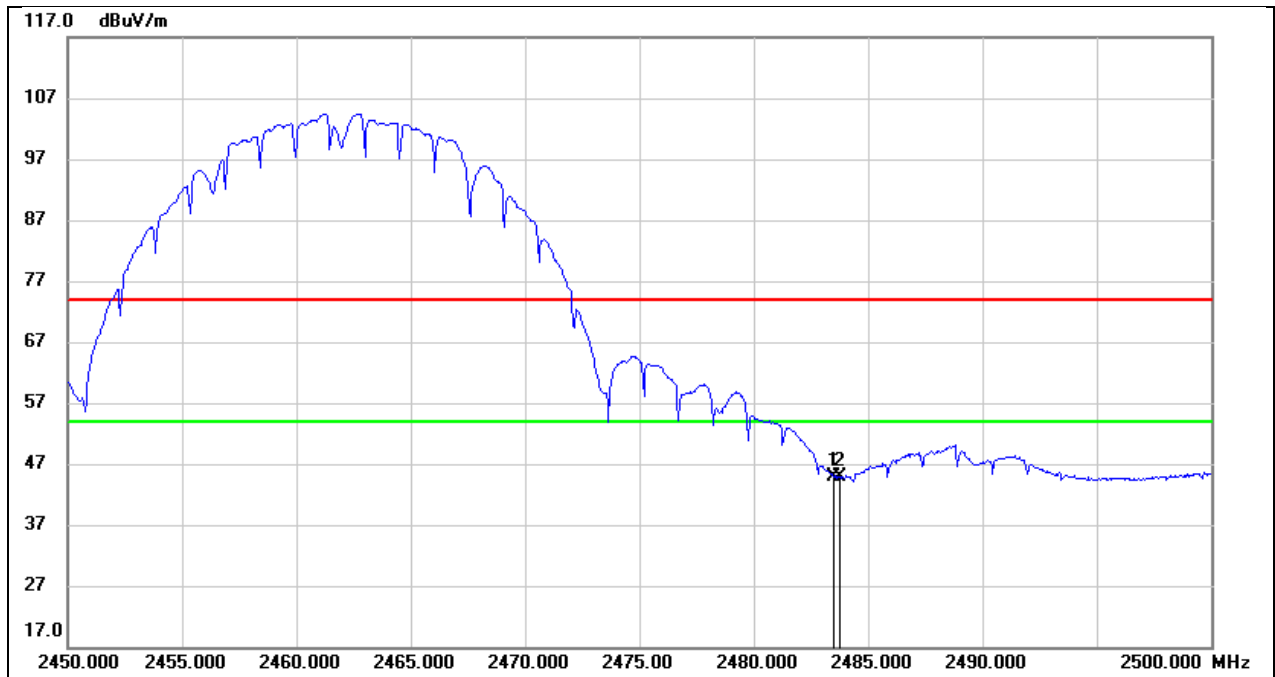
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.210	14.67	31.66	46.33	54.00	-7.67	AVG
2	2390.000	12.21	31.69	43.90	54.00	-10.10	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



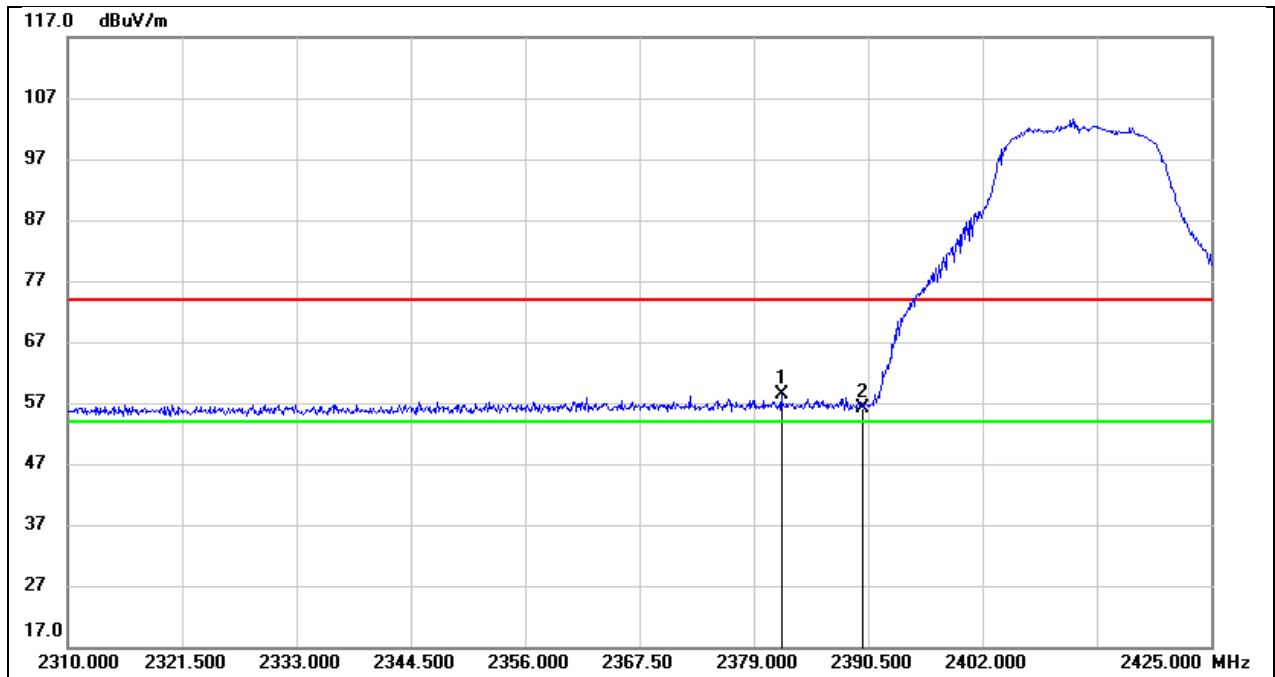
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	27.23	31.99	59.22	74.00	-14.78	peak
2	2483.750	28.28	31.99	60.27	74.00	-13.73	peak

Test Mode:	802.11b AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



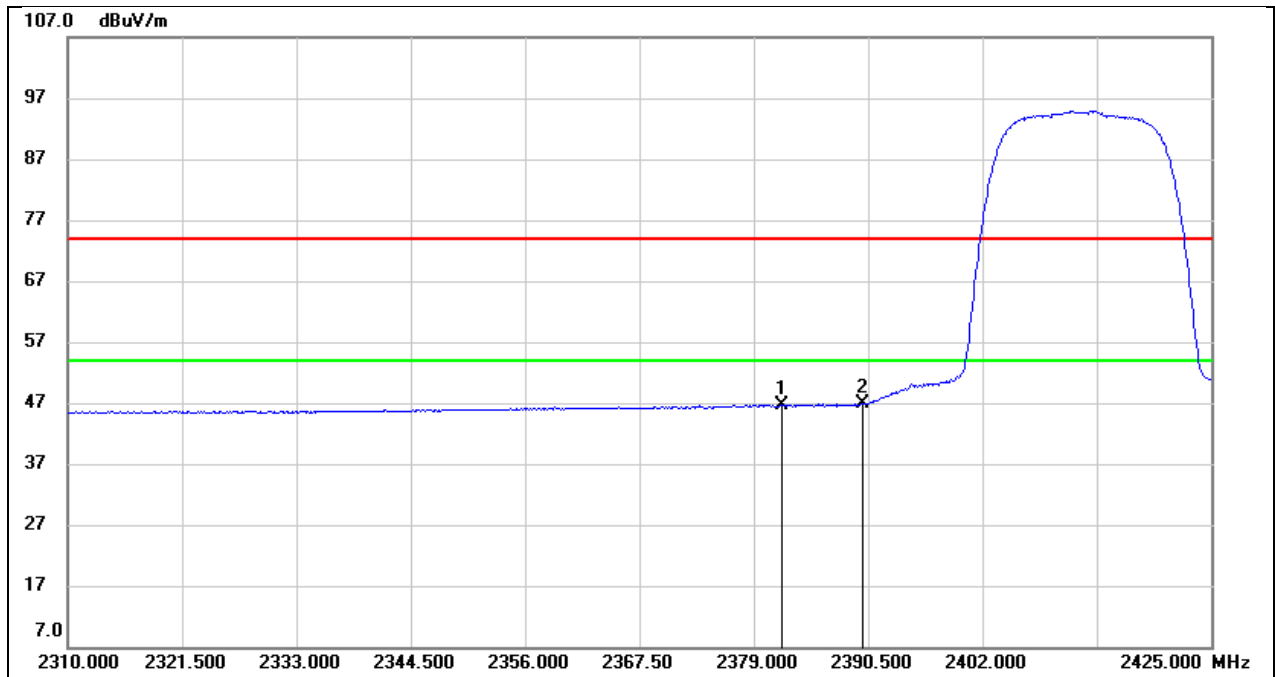
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	12.93	31.99	44.92	54.00	-9.08	AVG
2	2483.750	12.90	31.99	44.89	54.00	-9.11	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.760	26.78	31.66	58.44	74.00	-15.56	peak
2	2390.000	24.48	31.69	56.17	74.00	-17.83	peak

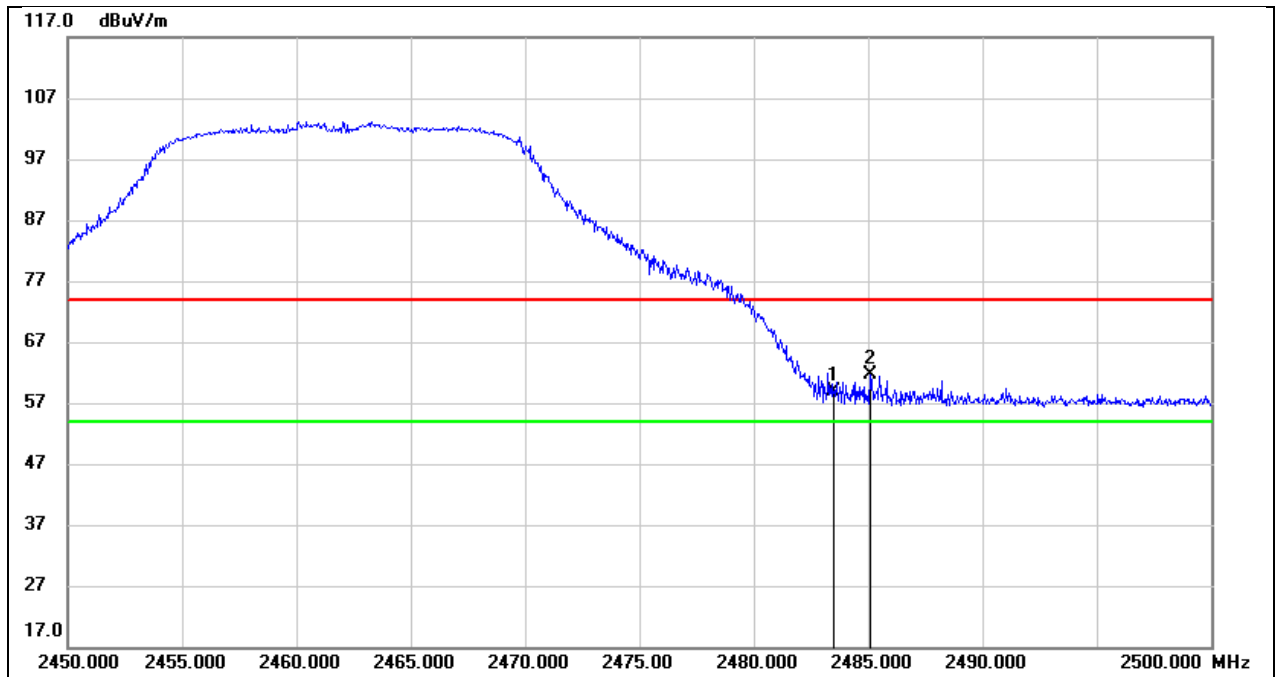
Test Mode:	802.11g AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.760	15.04	31.66	46.70	54.00	-7.30	AVG
2	2390.000	15.12	31.69	46.81	54.00	-7.19	AVG

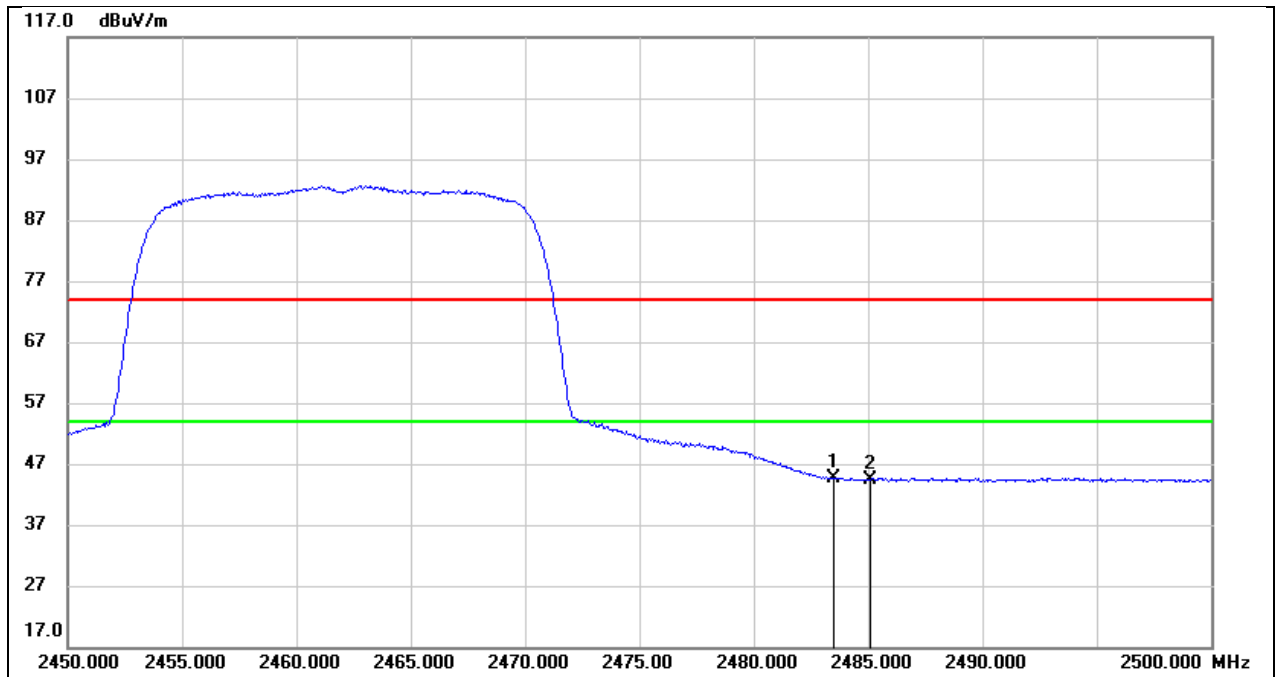


Test Mode:	802.11g PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



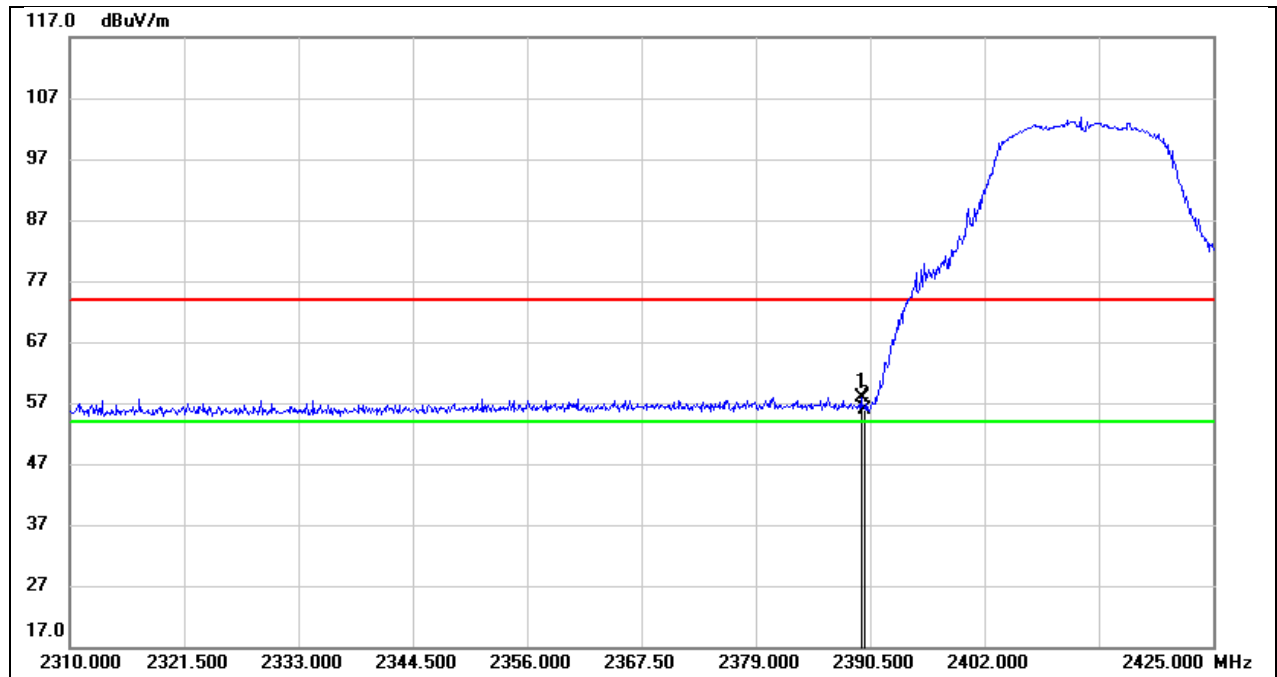
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	26.79	31.99	58.78	74.00	-15.22	peak
2	2485.100	29.53	31.99	61.52	74.00	-12.48	peak

Test Mode:	802.11g AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



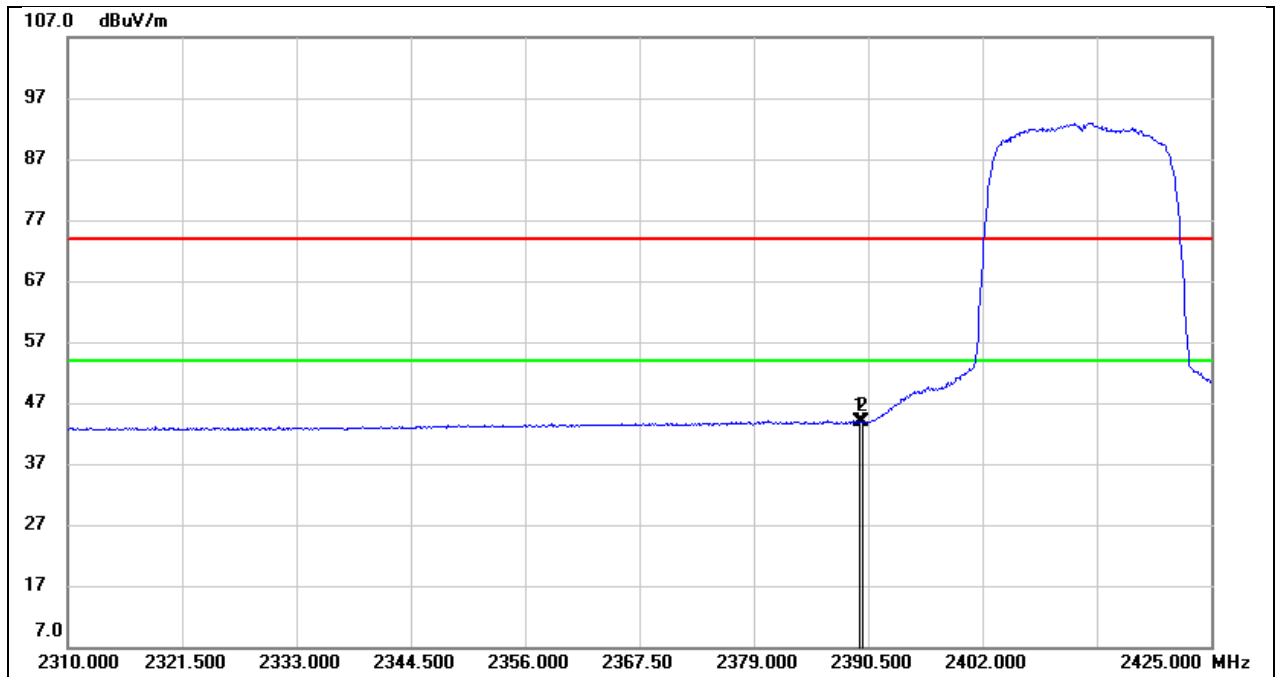
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	12.65	31.99	44.64	54.00	-9.36	AVG
2	2485.100	12.45	31.99	44.44	54.00	-9.56	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



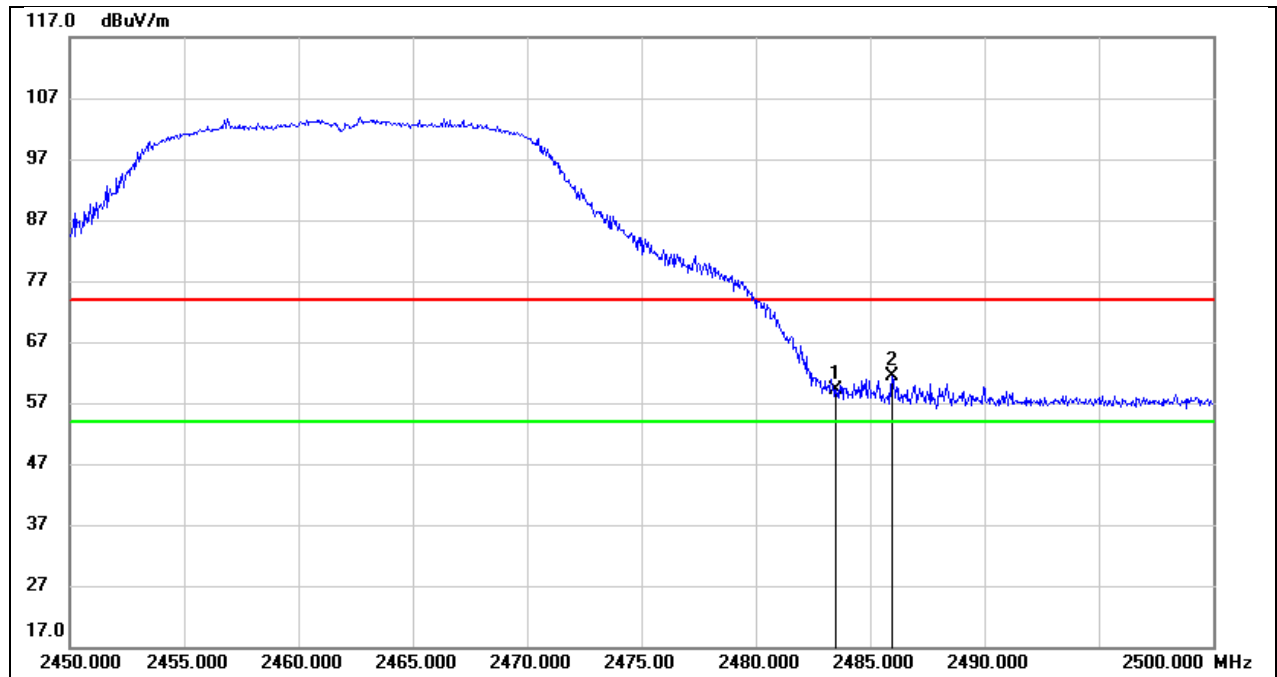
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.580	26.09	31.68	57.77	74.00	-16.23	peak
2	2390.000	24.07	31.69	55.76	74.00	-18.24	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



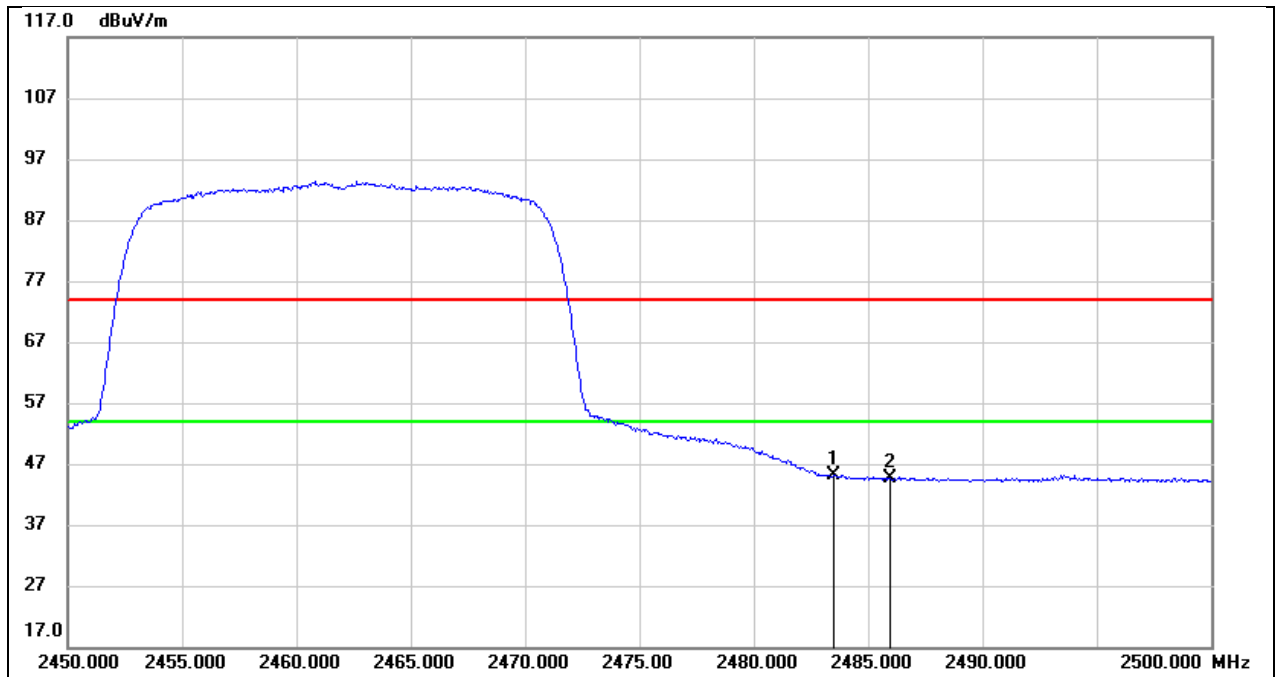
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.580	12.23	31.68	43.91	54.00	-10.09	AVG
2	2390.000	12.16	31.69	43.85	54.00	-10.15	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



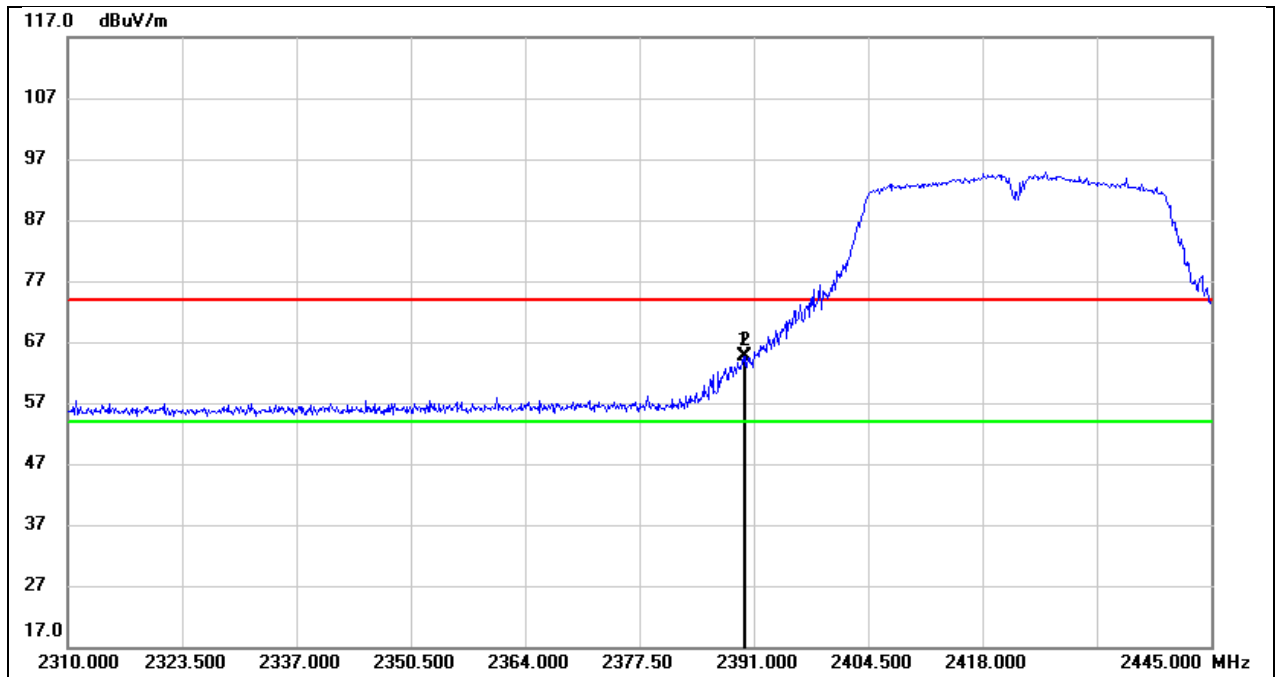
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	27.15	31.99	59.14	74.00	-14.86	peak
2	2485.950	29.43	32.00	61.43	74.00	-12.57	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



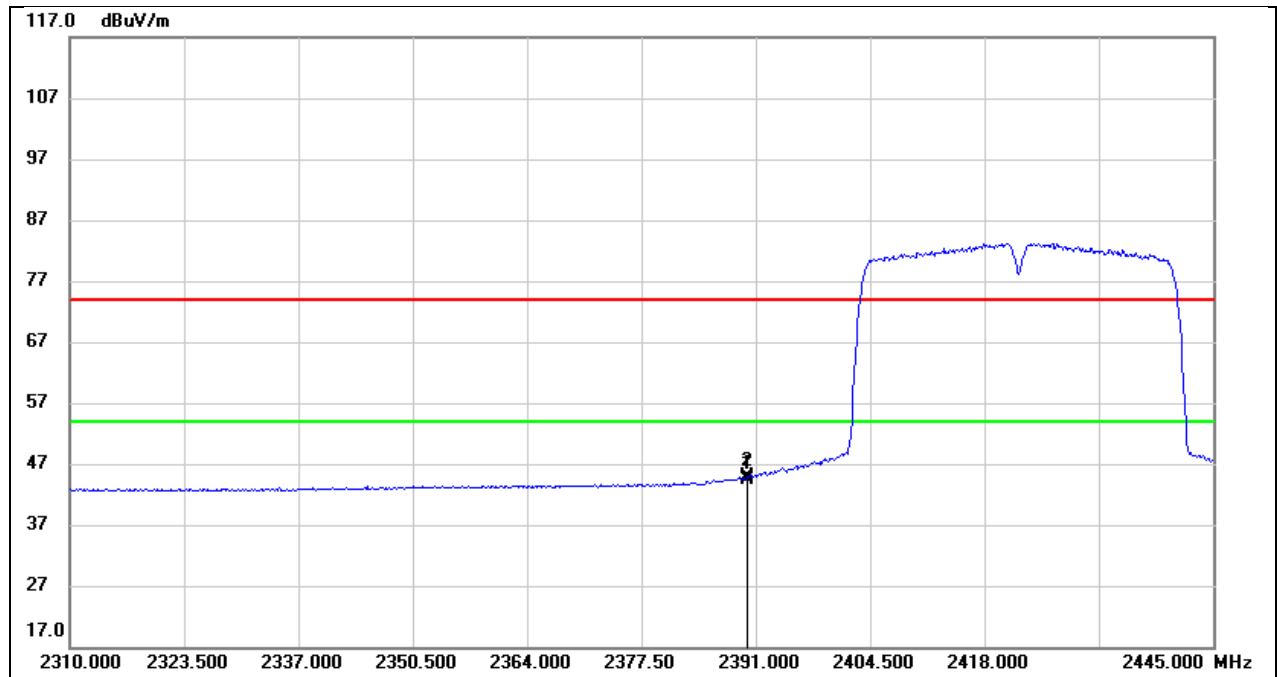
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	13.15	31.99	45.14	54.00	-8.86	AVG
2	2485.950	12.58	32.00	44.58	54.00	-9.42	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.785	32.88	31.69	64.57	74.00	-9.43	peak
2	2390.000	32.83	31.69	64.52	74.00	-9.48	peak

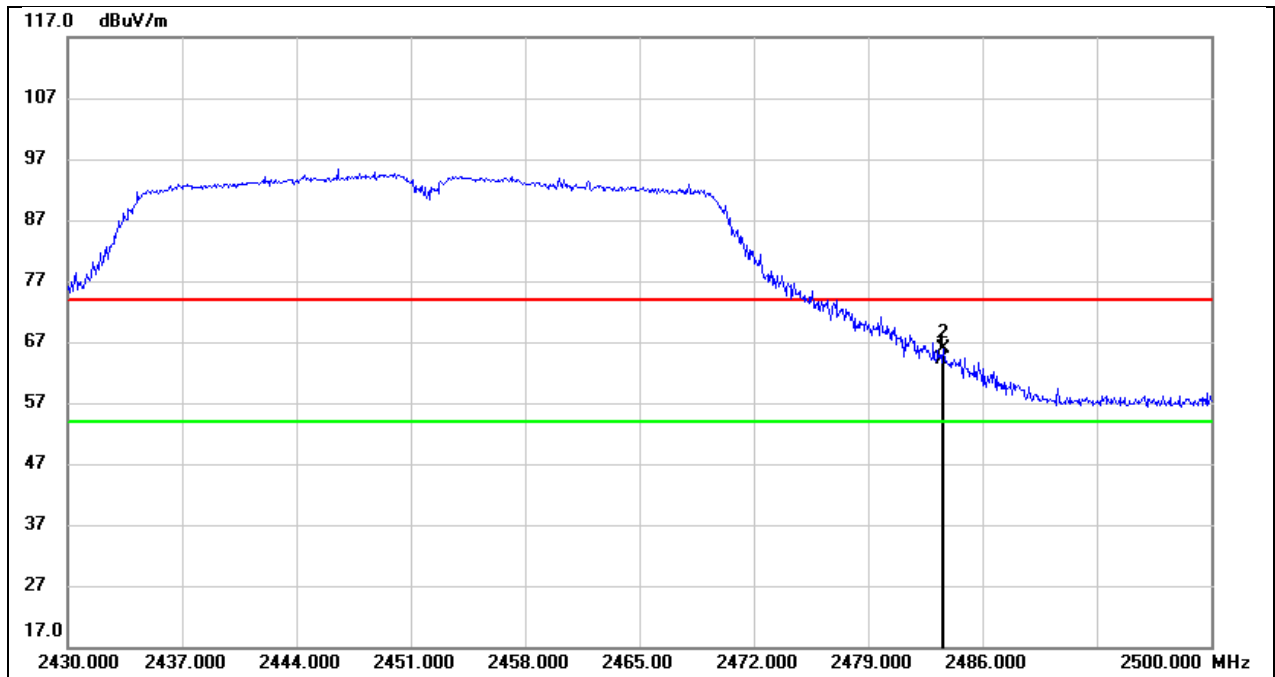
Test Mode:	802.11n HT40 AV	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.785	12.81	31.69	44.50	54.00	-9.50	AVG
2	2390.000	13.29	31.69	44.98	54.00	-9.02	AVG

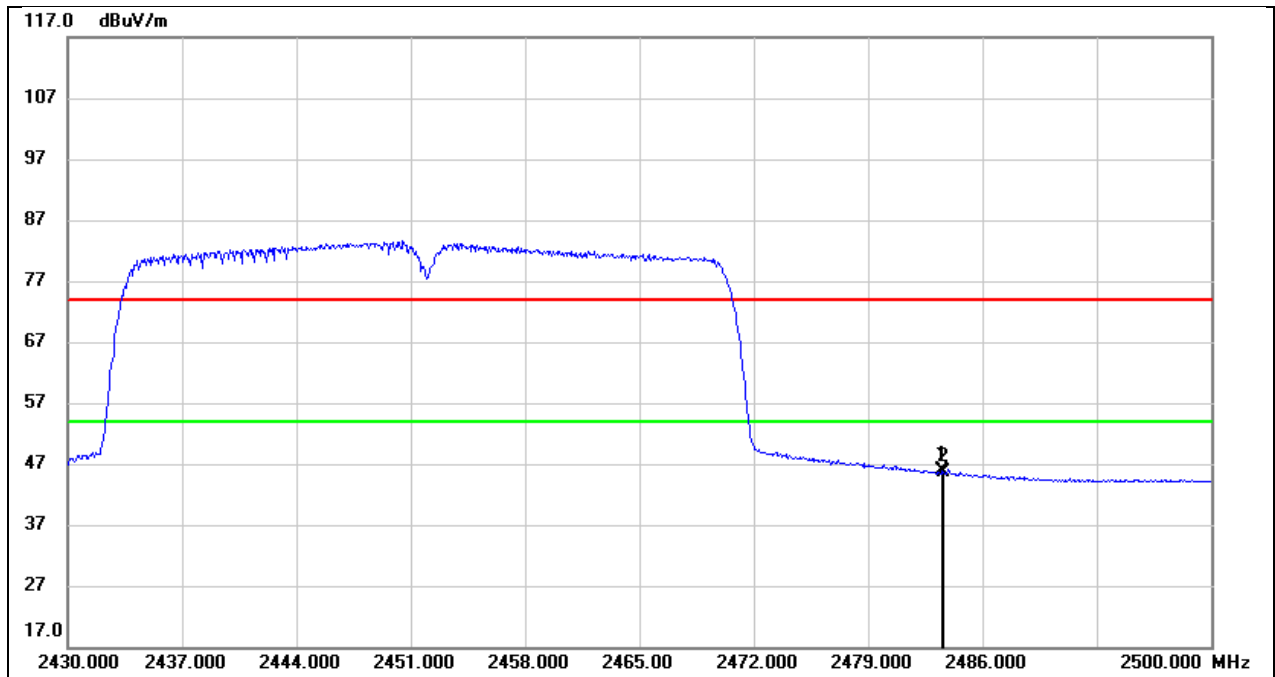


Test Mode:	802.11n HT40 PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 14.4V



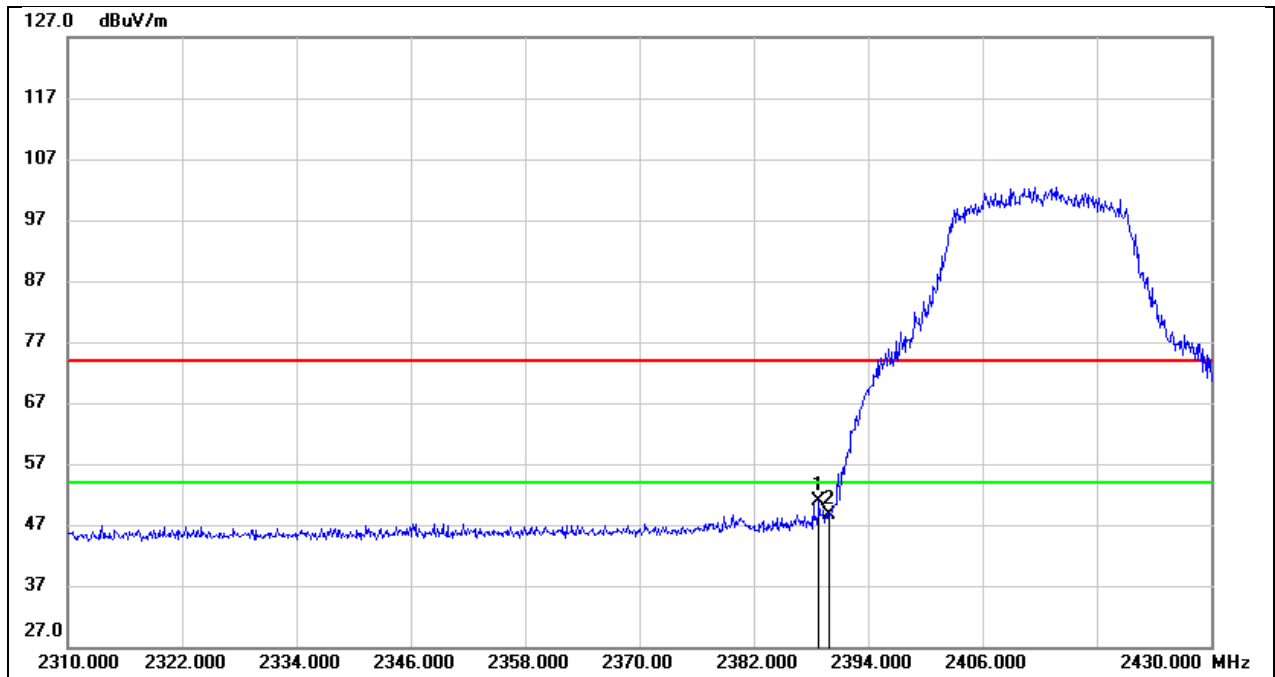
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	32.06	31.99	64.05	74.00	-9.95	peak
2	2483.620	33.89	31.99	65.88	74.00	-8.12	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 14.4V



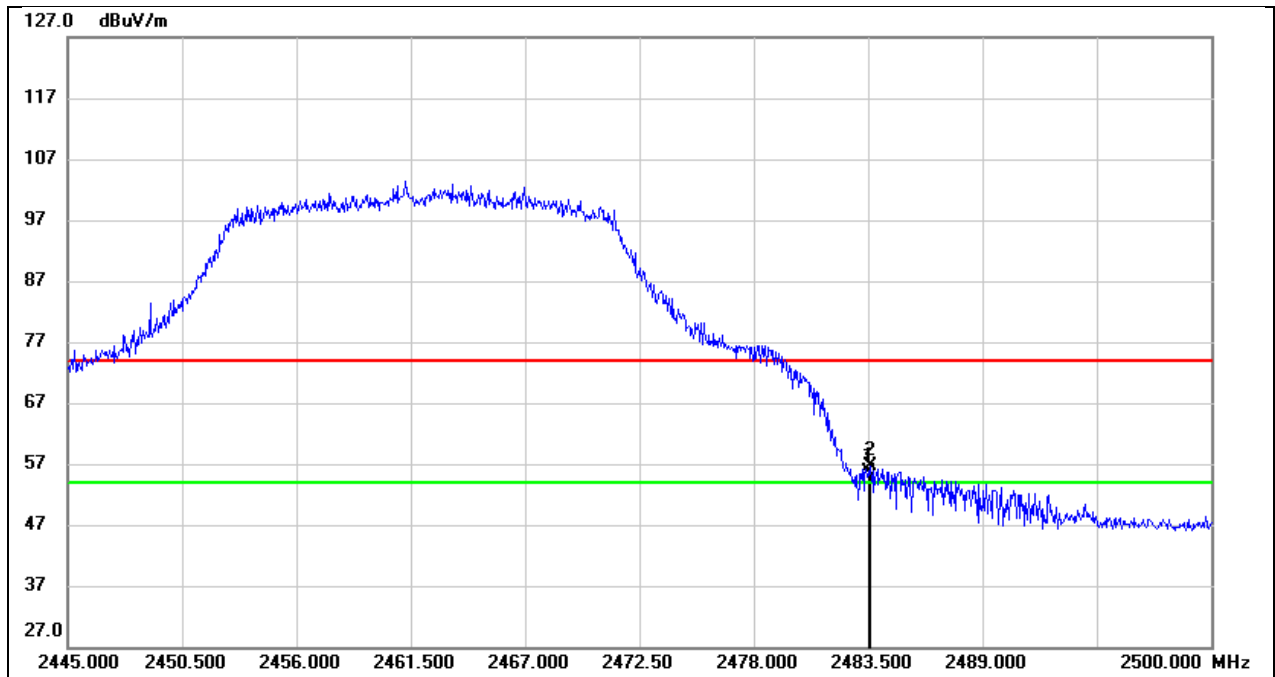
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	13.80	31.99	45.79	54.00	-8.21	AVG
2	2483.620	13.55	31.99	45.54	54.00	-8.46	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



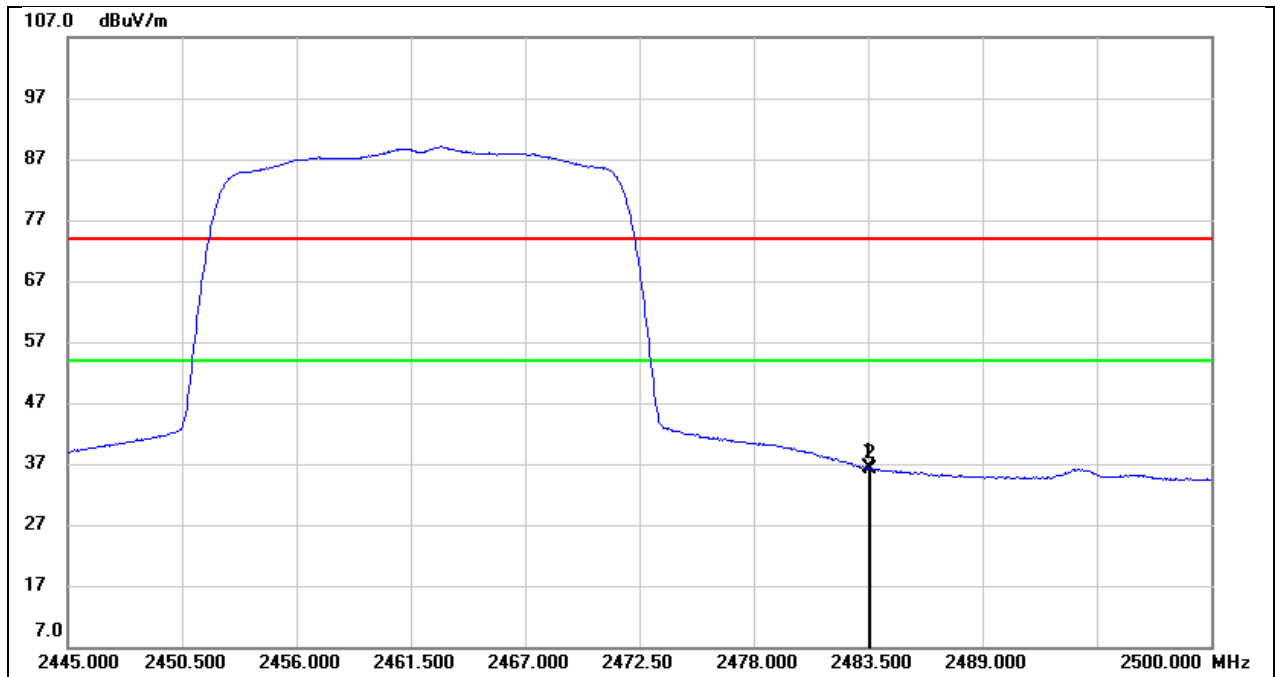
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.840	19.30	31.68	50.98	74.00	-23.02	peak
2	2390.000	16.97	31.69	48.66	74.00	-25.34	peak

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



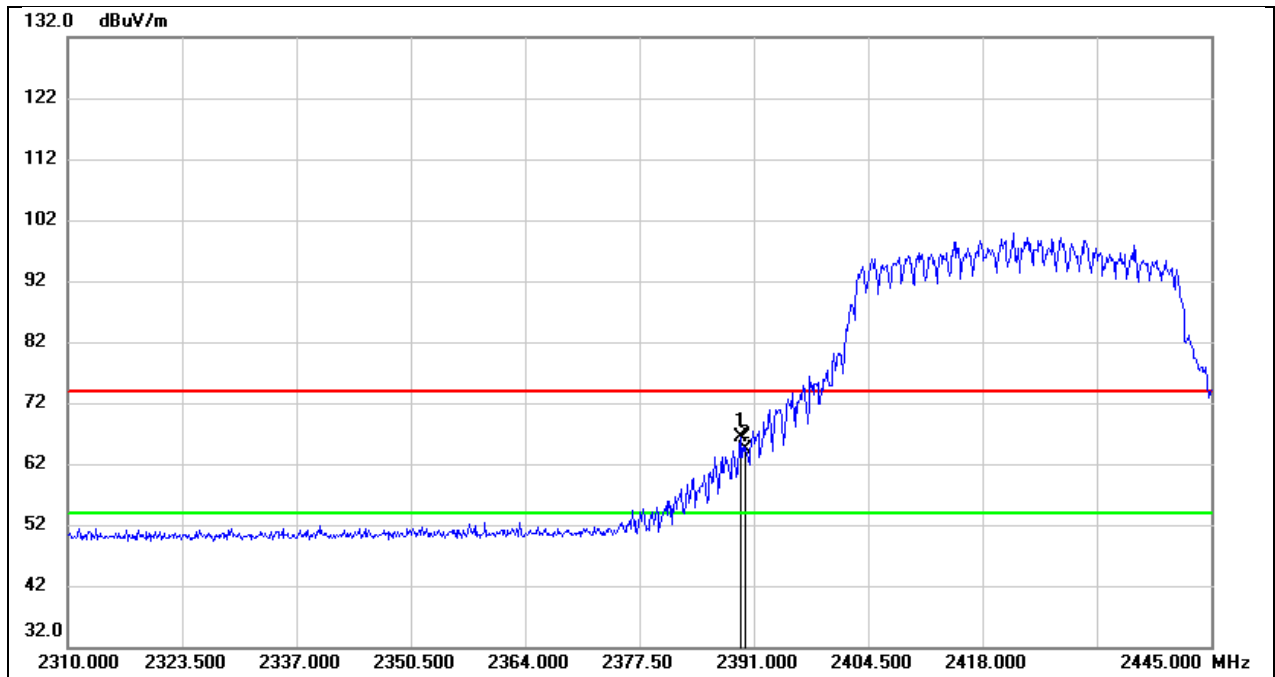
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	23.75	31.99	55.74	74.00	-18.26	peak
2	2483.610	24.62	31.99	56.61	74.00	-17.39	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



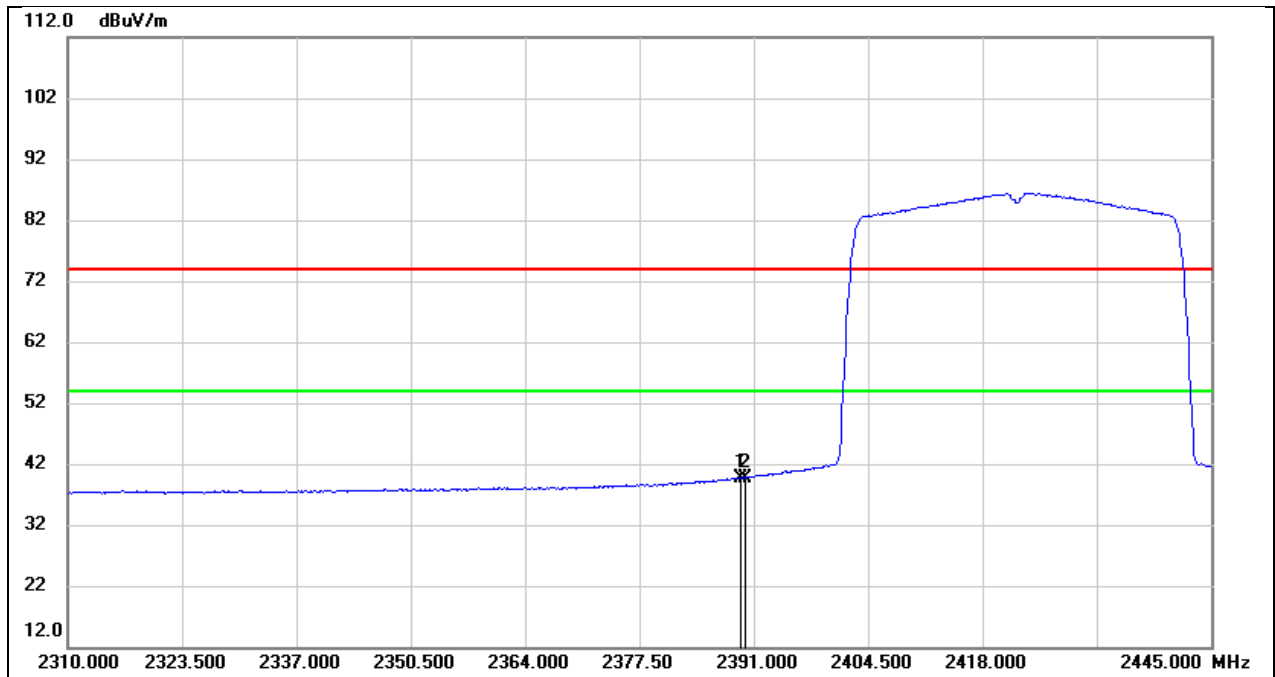
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	4.32	31.99	36.31	54.00	-17.69	AVG
2	2483.610	4.24	31.99	36.23	54.00	-17.77	AVG

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 14.4V



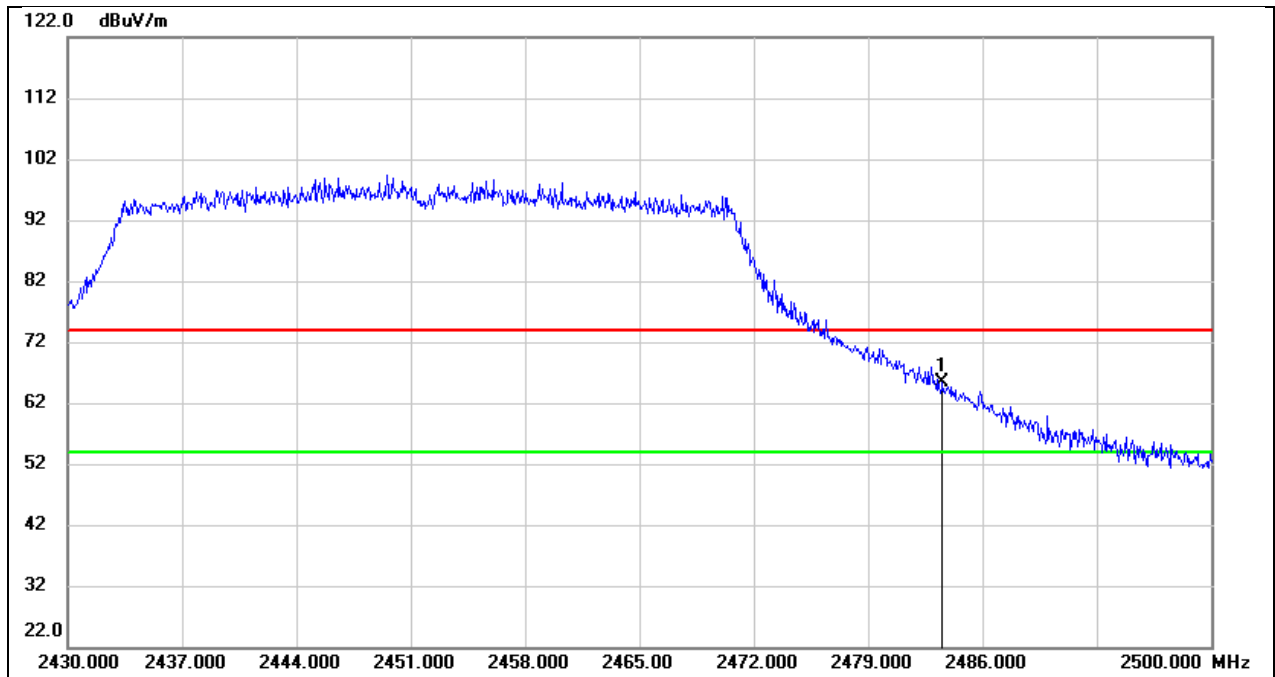
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.515	34.58	31.68	66.26	74.00	-7.74	peak
2	2390.000	32.73	31.69	64.42	74.00	-9.58	peak

Test Mode:	802.11ax HE40 AV	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.515	8.00	31.68	39.68	54.00	-14.32	AVG
2	2390.000	8.06	31.69	39.75	54.00	-14.25	AVG

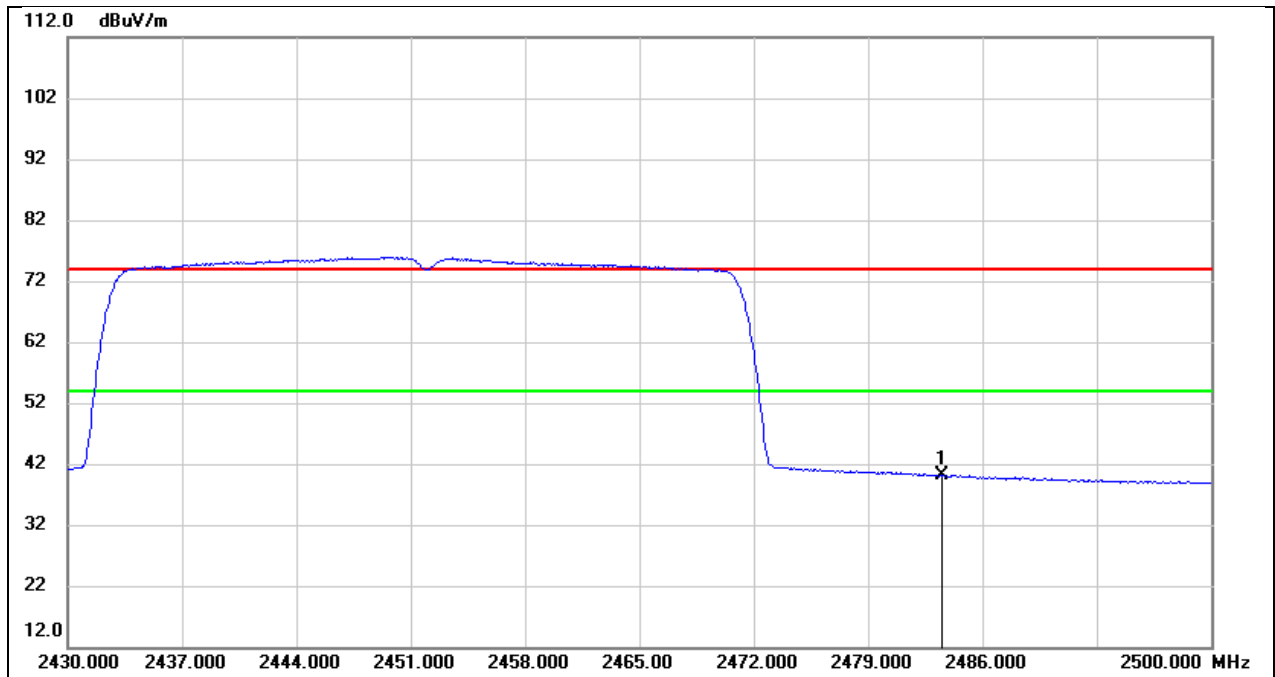
Test Mode:	802.11ax HE40 PK	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	33.36	31.99	65.35	74.00	-8.65	peak



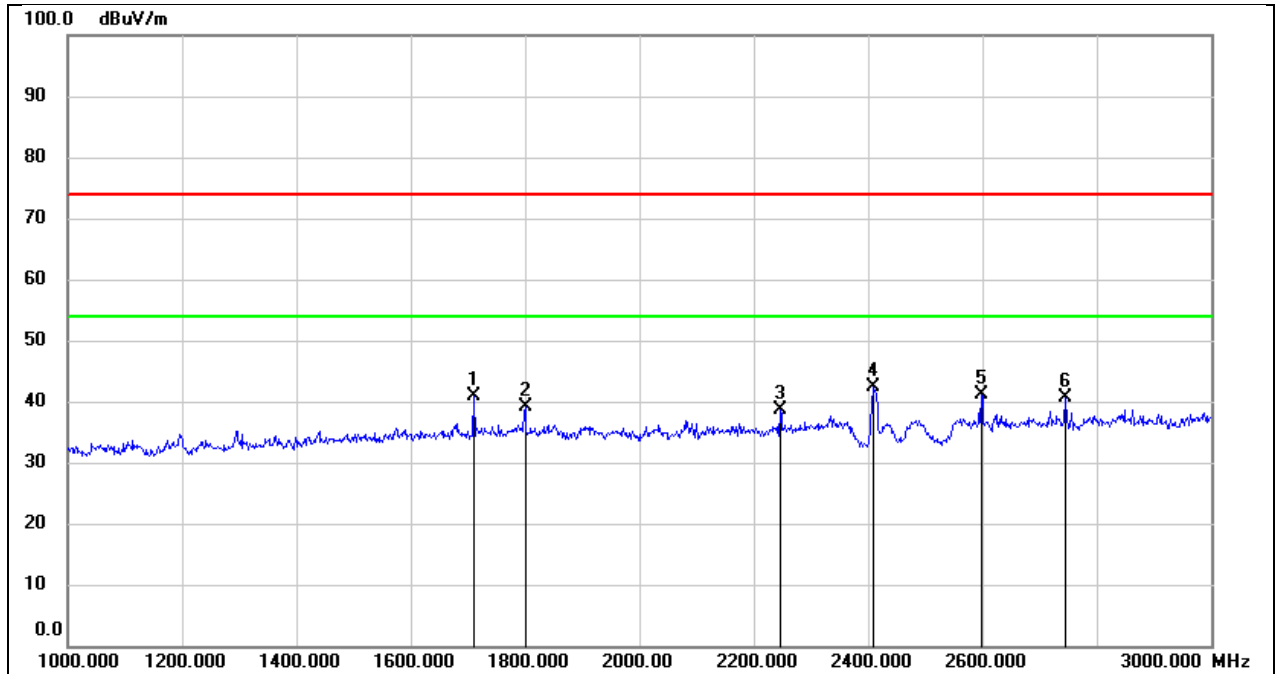
Test Mode:	802.11ax HE40 AV	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	8.14	31.99	40.13	54.00	-13.87	AVG

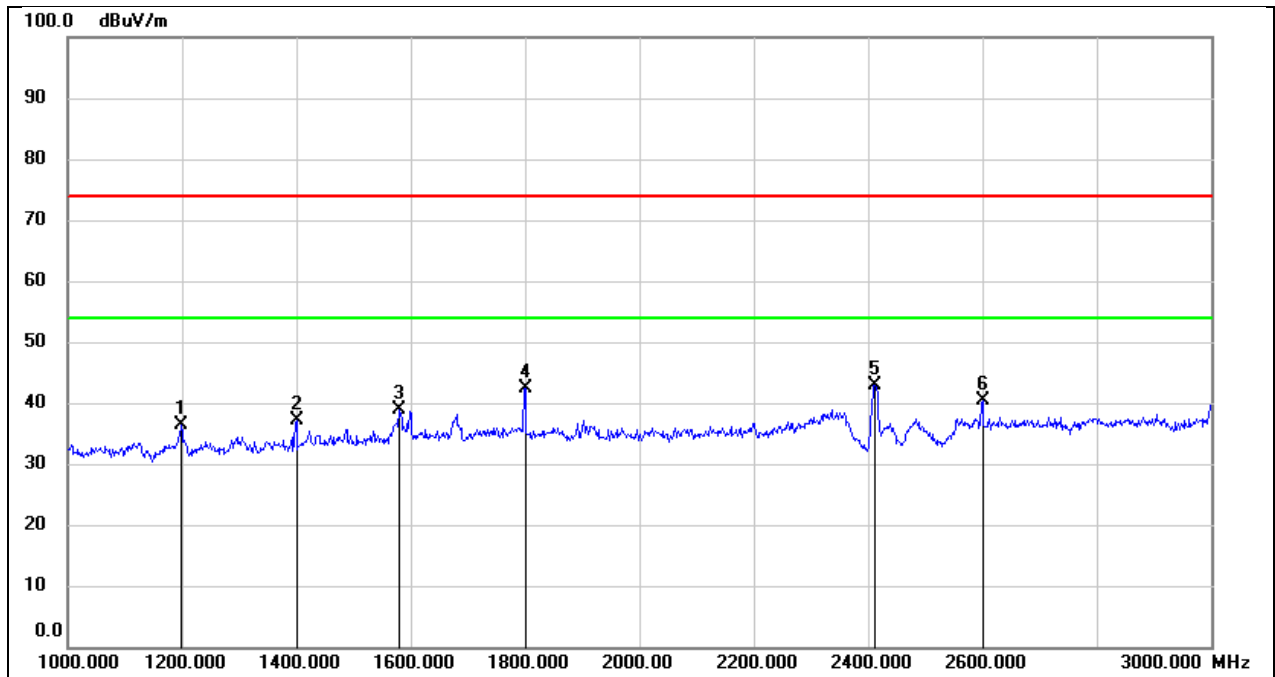
## 8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



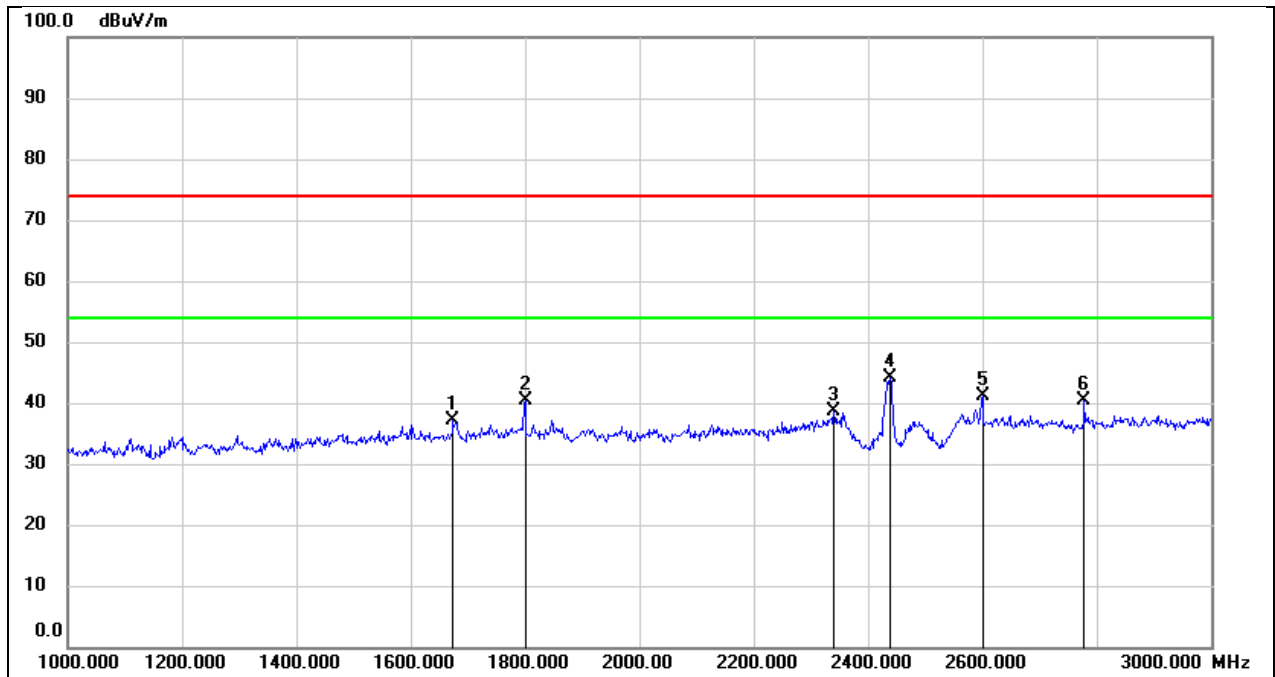
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1711.000	51.68	-10.68	41.00	74.00	-33.00	peak
2	1800.250	49.23	-10.08	39.15	74.00	-34.85	peak
3	2247.000	47.91	-9.27	38.64	74.00	-35.36	peak
4	2412.000	51.07	-8.58	42.49	/	/	fundamental
5	2599.750	48.82	-7.80	41.02	74.00	-32.98	peak
6	2745.000	47.92	-7.25	40.67	74.00	-33.33	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



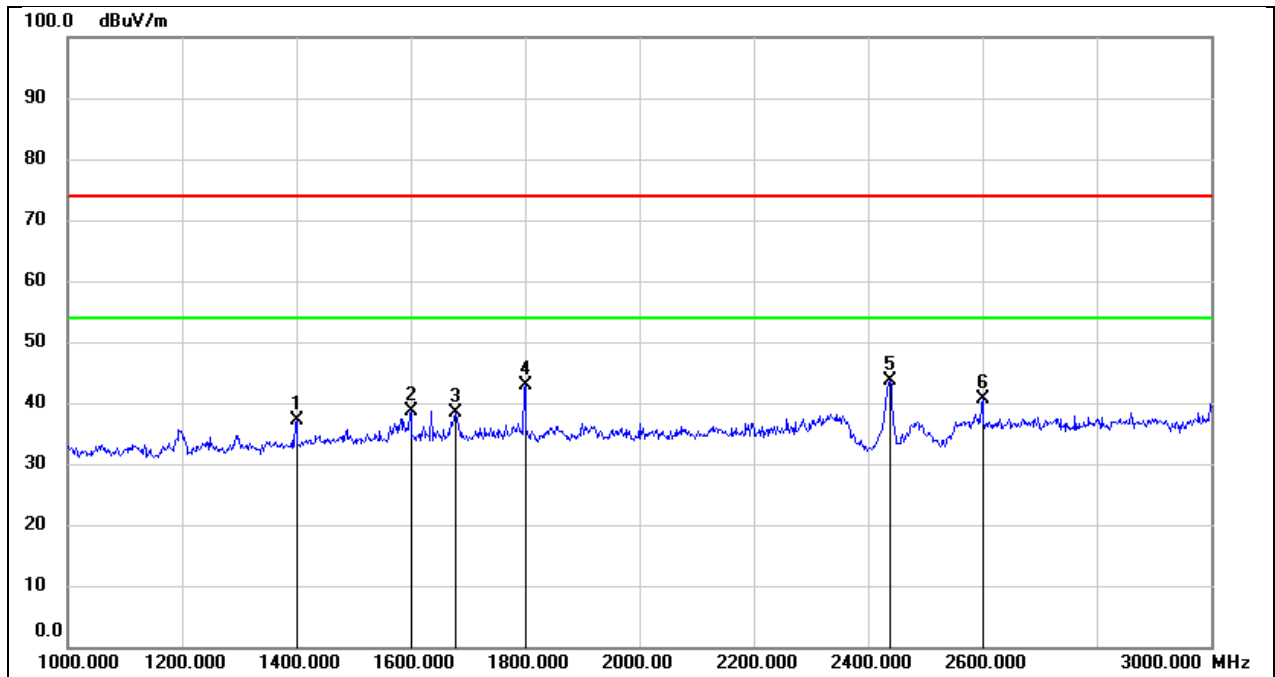
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.250	49.81	-13.41	36.40	74.00	-37.60	peak
2	1400.250	49.48	-12.44	37.04	74.00	-36.96	peak
3	1581.250	50.30	-11.50	38.80	74.00	-35.20	peak
4	1800.000	52.57	-10.08	42.49	74.00	-31.51	peak
5	2412.000	51.44	-8.57	42.87	/	/	fundamental
6	2600.000	48.12	-7.80	40.32	74.00	-33.68	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 14.4V



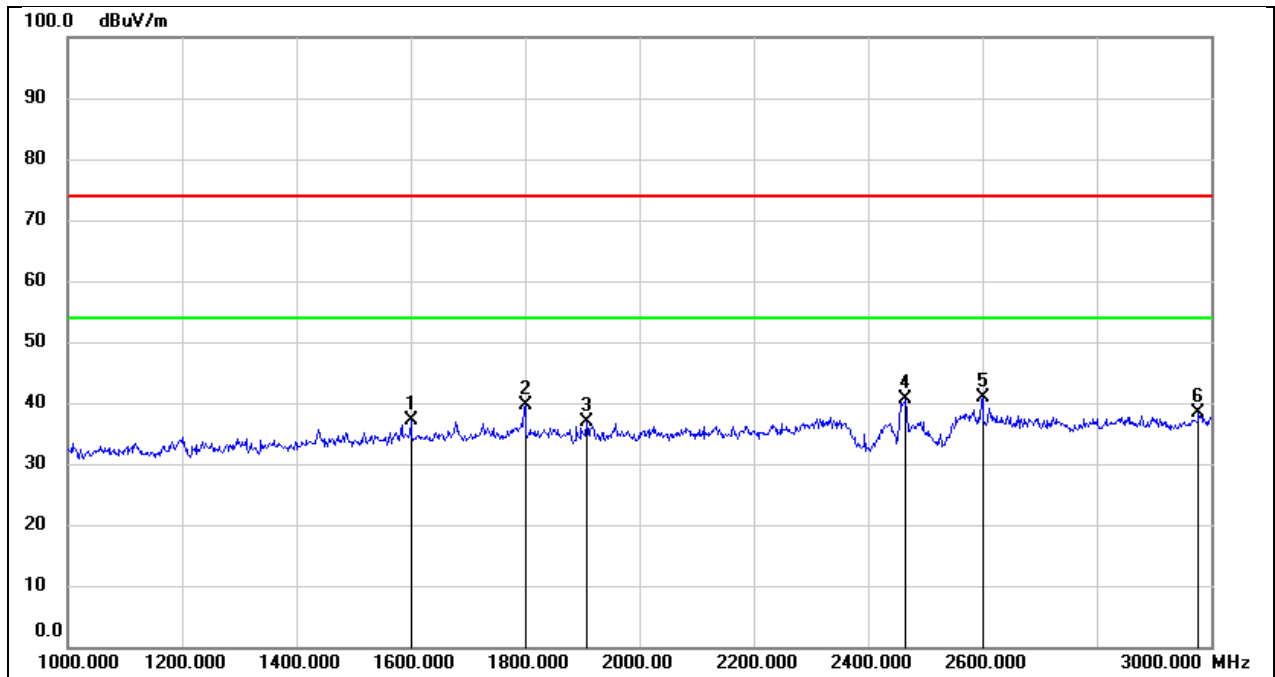
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1674.500	47.98	-10.93	37.05	74.00	-36.95	peak
2	1800.000	50.36	-10.08	40.28	74.00	-33.72	peak
3	2340.250	47.54	-8.88	38.66	74.00	-35.34	peak
4	2437.000	52.51	-8.47	44.04	/	/	fundamental
5	2600.250	48.84	-7.80	41.04	74.00	-32.96	peak
6	2778.500	47.47	-7.12	40.35	74.00	-33.65	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 14.4V



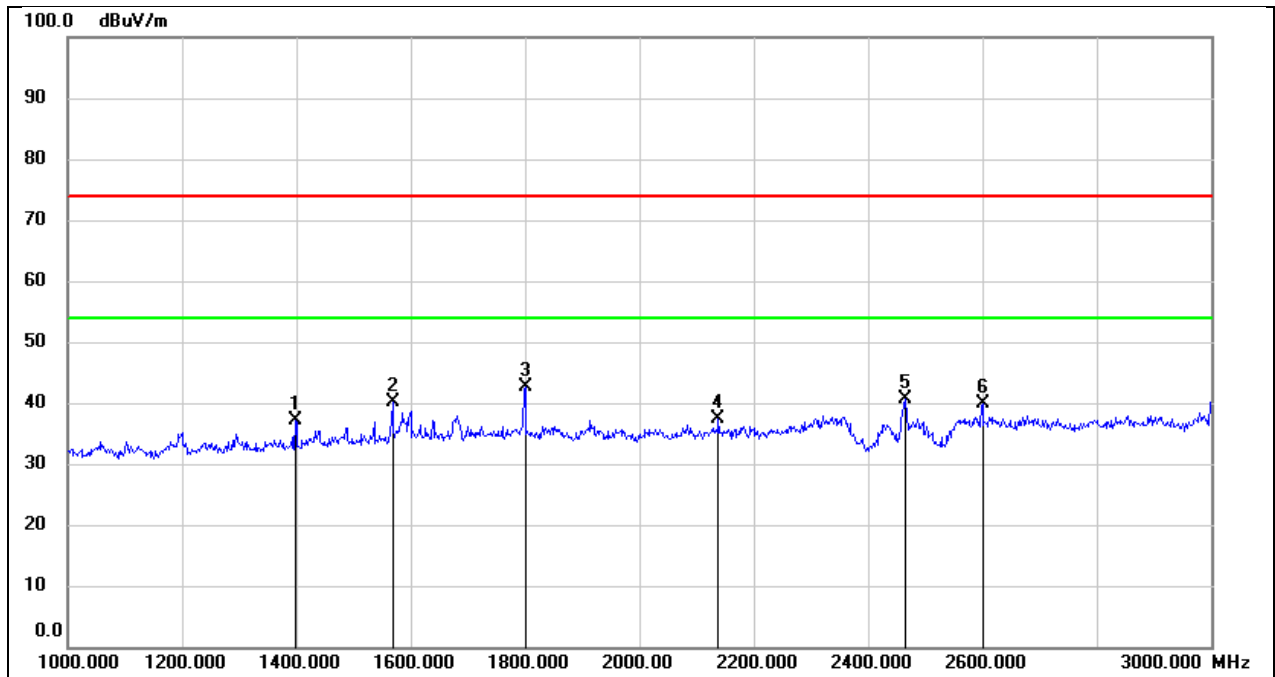
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1400.000	49.54	-12.44	37.10	74.00	-36.90	peak
2	1600.000	50.10	-11.42	38.68	74.00	-35.32	peak
3	1679.500	49.24	-10.89	38.35	74.00	-35.65	peak
4	1800.000	52.99	-10.08	42.91	74.00	-31.09	peak
5	2437.000	51.99	-8.47	43.52	/	/	fundamental
6	2600.000	48.31	-7.80	40.51	74.00	-33.49	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1600.000	48.62	-11.42	37.20	74.00	-36.80	peak
2	1800.000	49.77	-10.08	39.69	74.00	-34.31	peak
3	1909.250	46.97	-10.20	36.77	74.00	-37.23	peak
4	2462.000	48.87	-8.35	40.52	/	/	fundamental
5	2600.000	48.67	-7.80	40.87	74.00	-33.13	peak
6	2979.750	44.74	-6.29	38.45	74.00	-35.55	peak

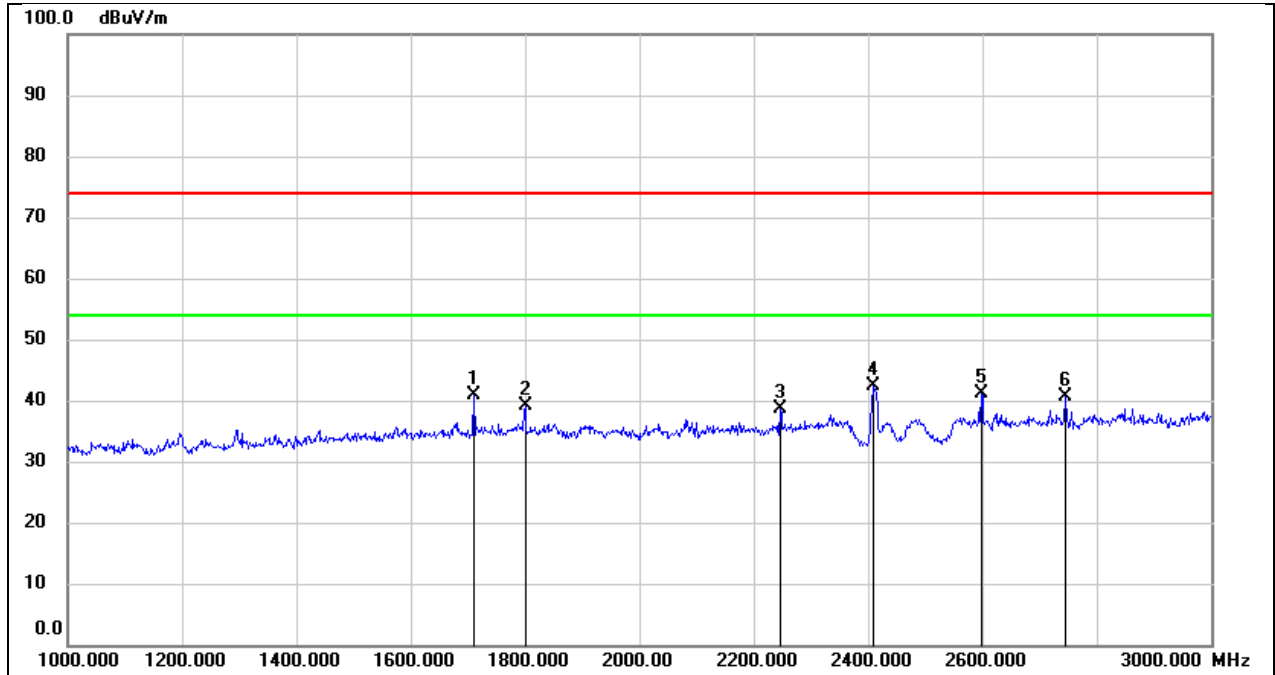
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1399.750	49.63	-12.44	37.19	74.00	-36.81	peak
2	1568.750	51.59	-11.57	40.02	74.00	-33.98	peak
3	1800.250	52.62	-10.08	42.54	74.00	-31.46	peak
4	2139.500	47.09	-9.72	37.37	74.00	-36.63	peak
5	2462.000	49.04	-8.35	40.69	/	/	fundamental
6	2600.000	47.76	-7.80	39.96	74.00	-34.04	peak

### 8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

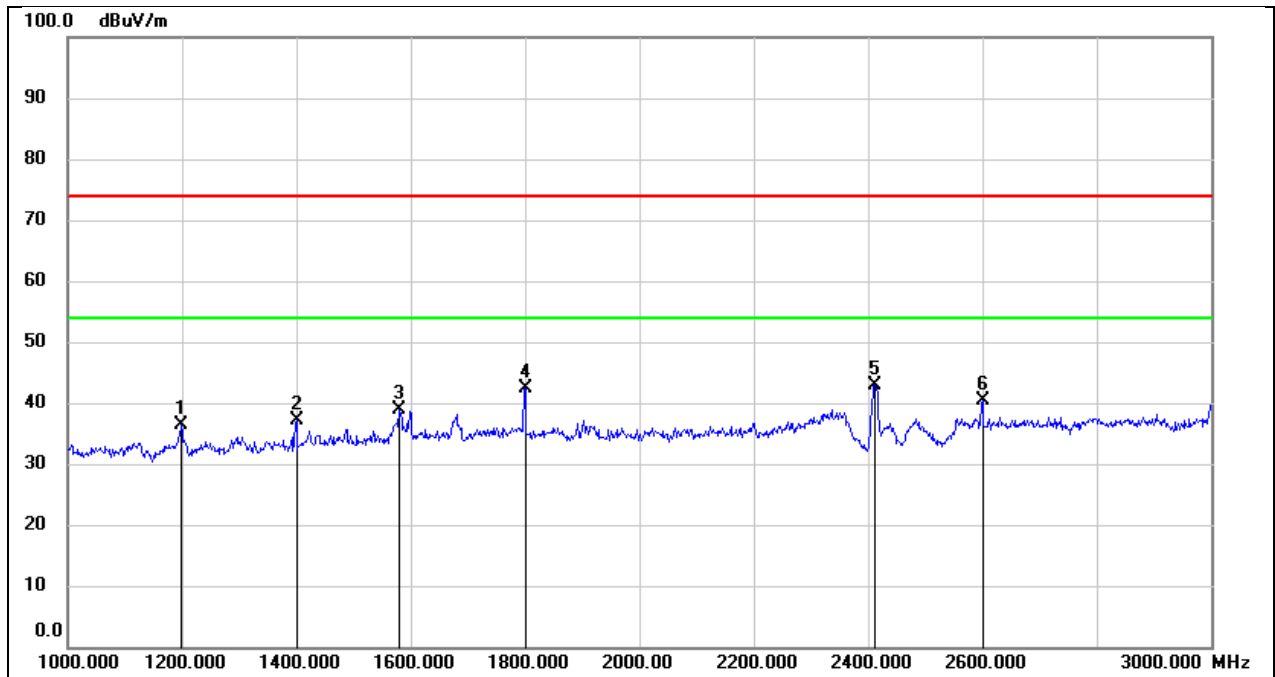
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1711.000	51.68	-10.68	41.00	74.00	-33.00	peak
2	1800.250	49.23	-10.08	39.15	74.00	-34.85	peak
3	2247.000	47.91	-9.27	38.64	74.00	-35.36	peak
4	2410.750	51.07	-8.58	42.49	74.00	-31.51	peak
5	2599.750	48.82	-7.80	41.02	74.00	-32.98	peak
6	2745.000	47.92	-7.25	40.67	74.00	-33.33	peak

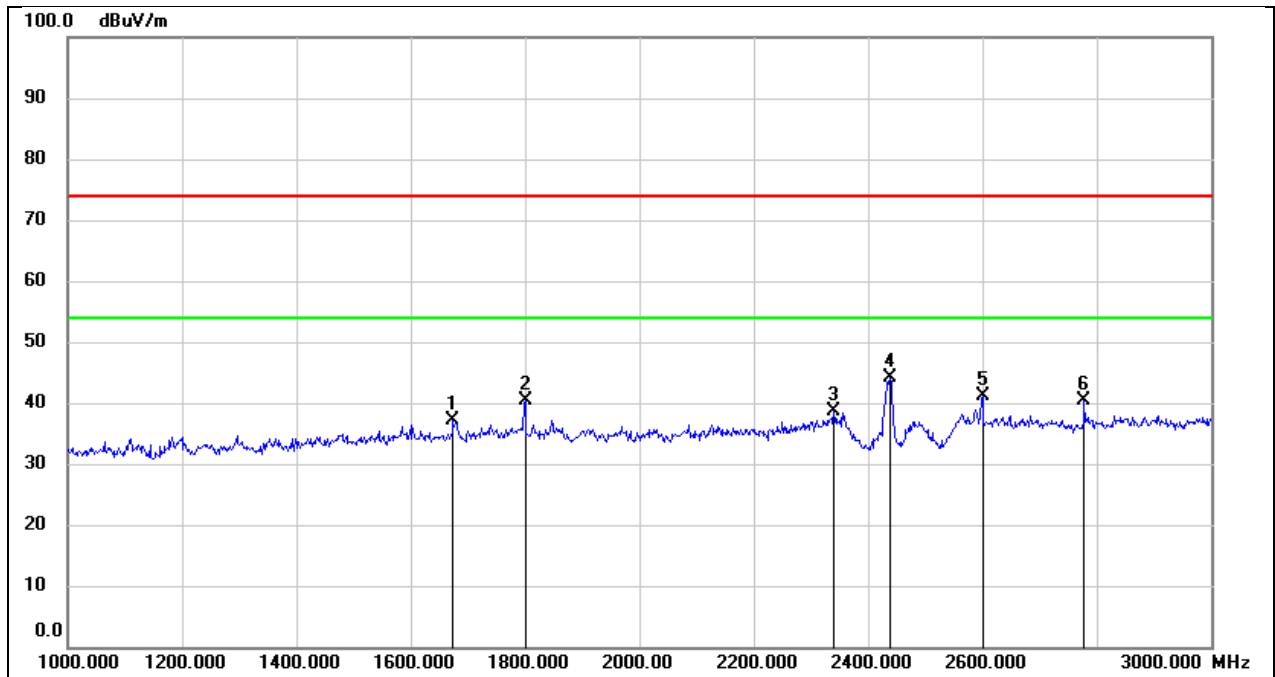


Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



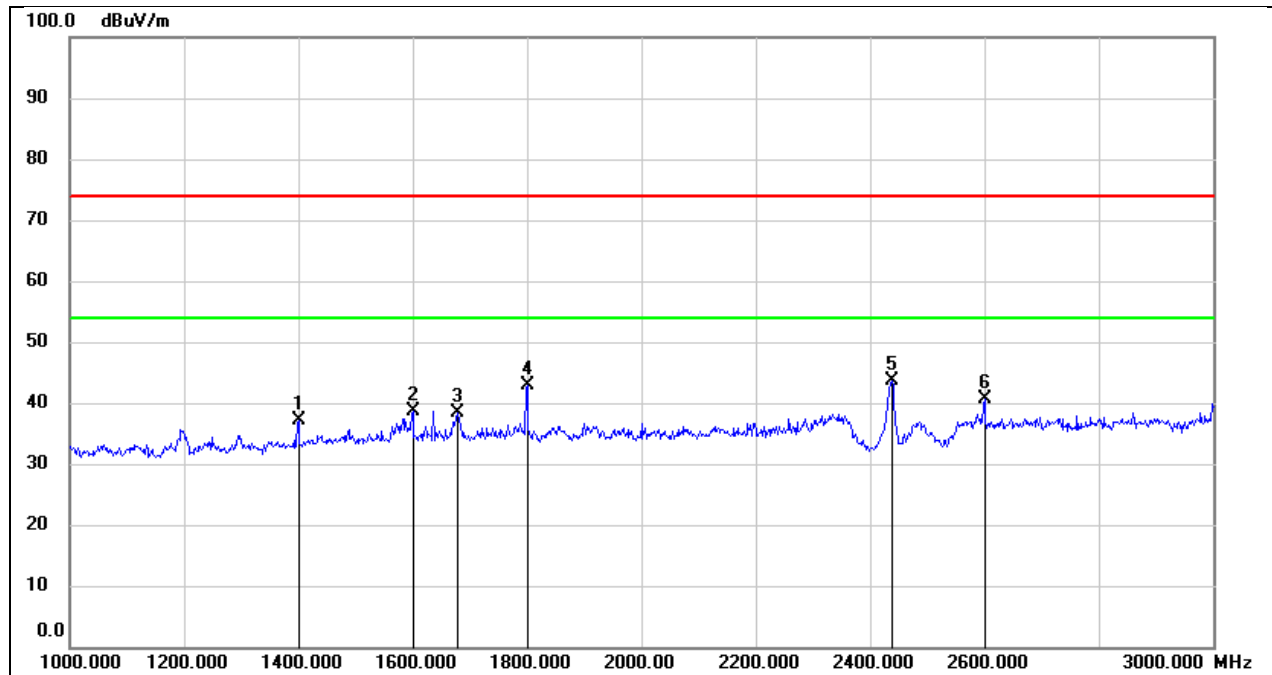
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1198.250	49.81	-13.41	36.40	74.00	-37.60	peak
2	1400.250	49.48	-12.44	37.04	74.00	-36.96	peak
3	1581.250	50.30	-11.50	38.80	74.00	-35.20	peak
4	1800.000	52.57	-10.08	42.49	74.00	-31.51	peak
5	2413.250	51.44	-8.57	42.87	74.00	-31.13	peak
6	2600.000	48.12	-7.80	40.32	74.00	-33.68	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 14.4V



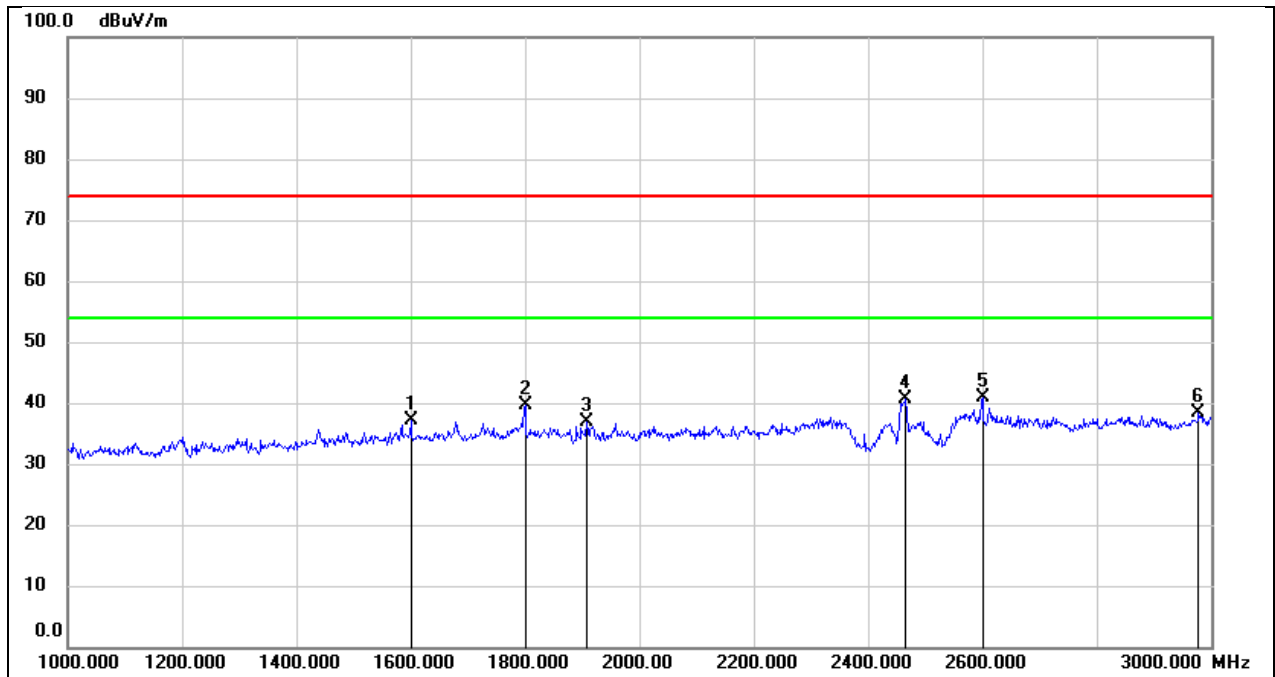
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1674.500	47.98	-10.93	37.05	74.00	-36.95	peak
2	1800.000	50.36	-10.08	40.28	74.00	-33.72	peak
3	2340.250	47.54	-8.88	38.66	74.00	-35.34	peak
4	2439.000	52.51	-8.47	44.04	74.00	-29.96	peak
5	2600.250	48.84	-7.80	41.04	74.00	-32.96	peak
6	2778.500	47.47	-7.12	40.35	74.00	-33.65	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 14.4V



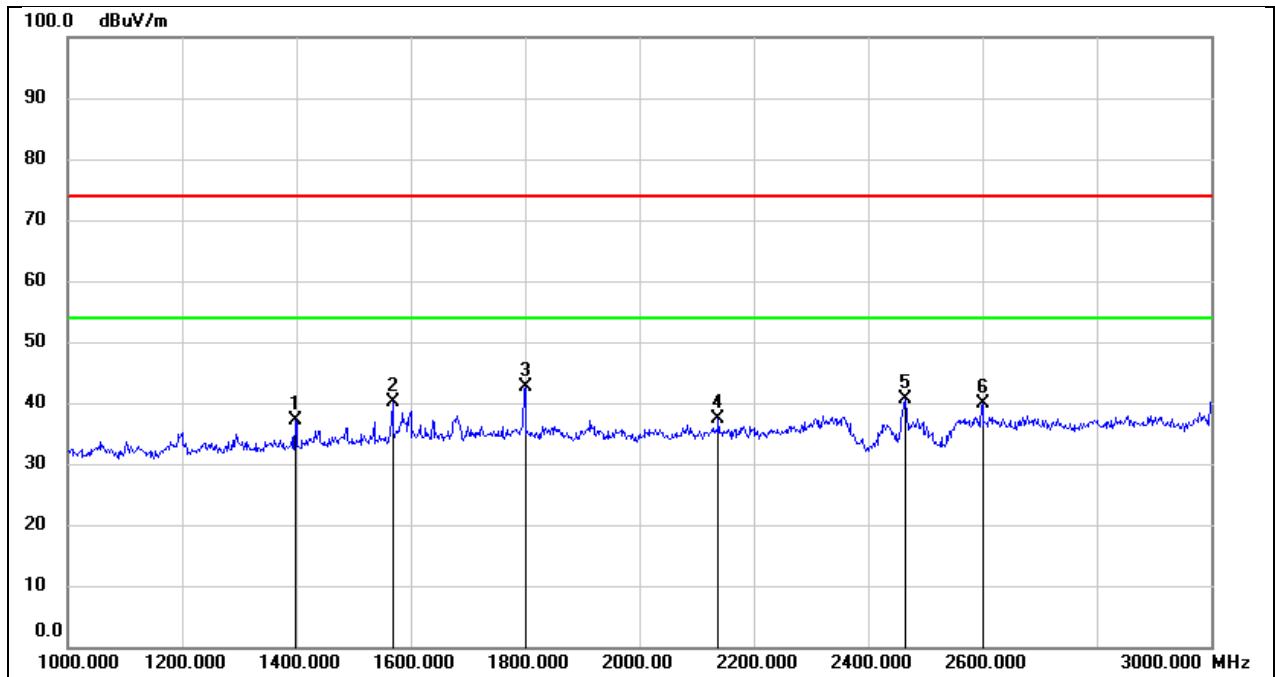
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1400.000	49.54	-12.44	37.10	74.00	-36.90	peak
2	1600.000	50.10	-11.42	38.68	74.00	-35.32	peak
3	1679.500	49.24	-10.89	38.35	74.00	-35.65	peak
4	1800.000	52.99	-10.08	42.91	74.00	-31.09	peak
5	2438.000	51.99	-8.47	43.52	74.00	-30.48	peak
6	2600.000	48.31	-7.80	40.51	74.00	-33.49	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



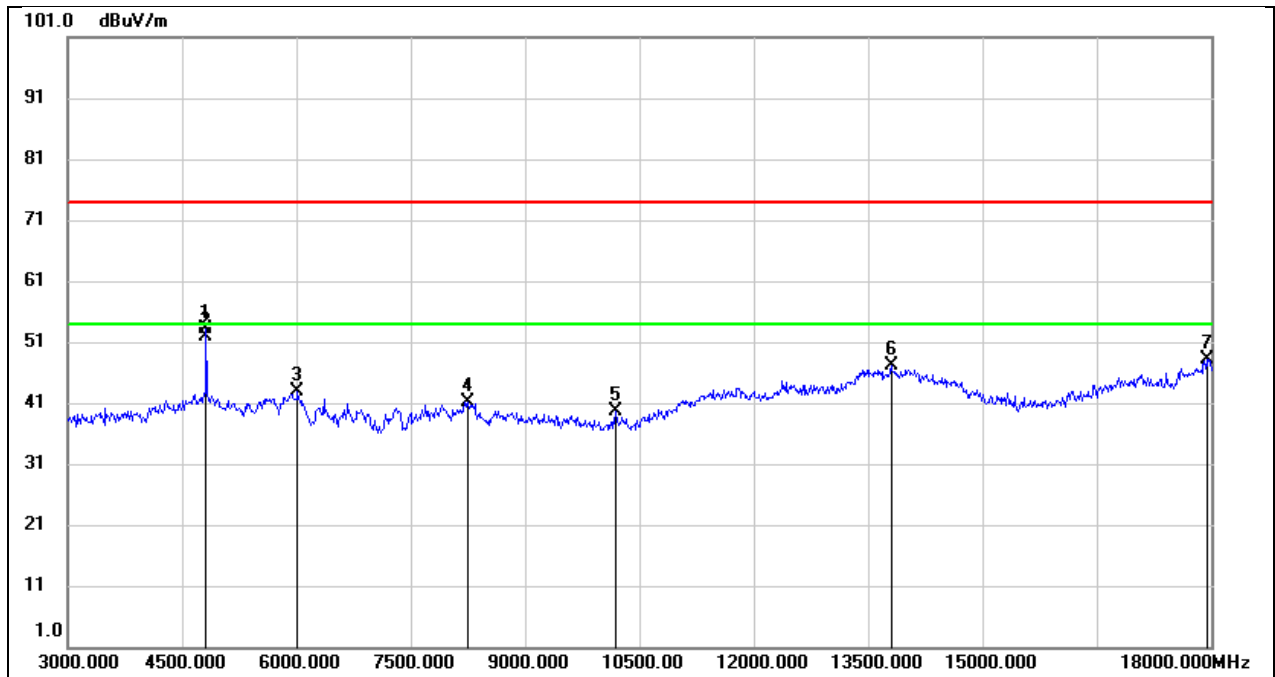
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1600.000	48.62	-11.42	37.20	74.00	-36.80	peak
2	1800.000	49.77	-10.08	39.69	74.00	-34.31	peak
3	1909.250	46.97	-10.20	36.77	74.00	-37.23	peak
4	2466.000	48.87	-8.35	40.52	74.00	-33.48	peak
5	2600.000	48.67	-7.80	40.87	74.00	-33.13	peak
6	2979.750	44.74	-6.29	38.45	74.00	-35.55	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 14.4V



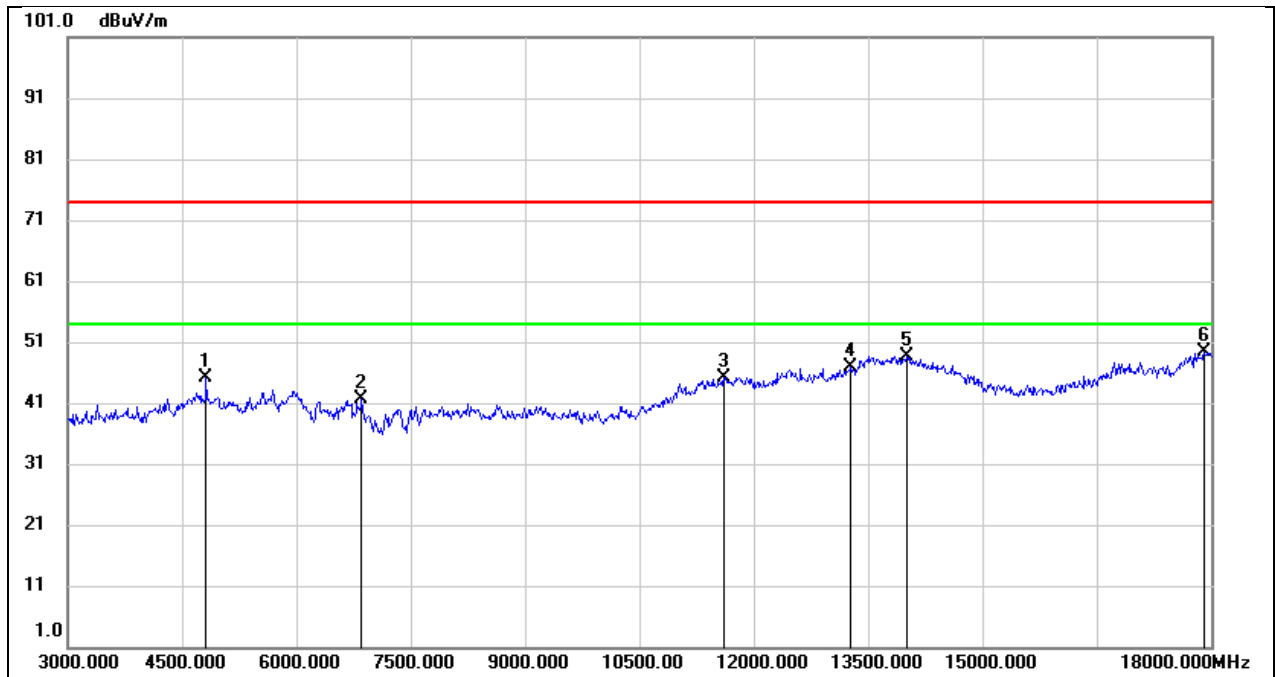
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1399.750	49.63	-12.44	37.19	74.00	-36.81	peak
2	1568.750	51.59	-11.57	40.02	74.00	-33.98	peak
3	1800.250	52.62	-10.08	42.54	74.00	-31.46	peak
4	2139.500	47.09	-9.72	37.37	74.00	-36.63	peak
5	2466.000	49.04	-8.35	40.69	74.00	-33.31	peak
6	2600.000	47.76	-7.80	39.96	74.00	-34.04	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



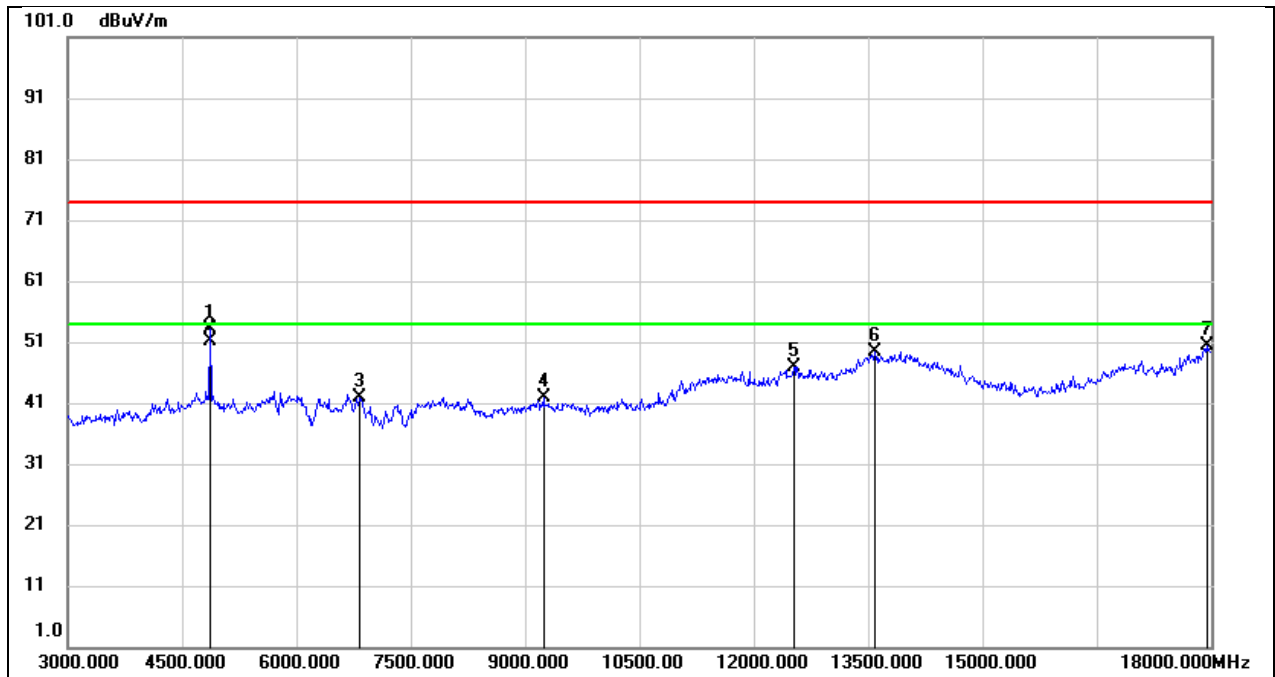
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.375	52.61	0.63	53.24	74.00	-20.76	peak
2	4824.375	51.35	0.63	51.98	54.00	-2.02	AVG
3	6024.375	39.95	3.04	42.99	74.00	-31.01	peak
4	8255.625	32.50	8.69	41.19	74.00	-32.81	peak
5	10188.750	26.18	13.40	39.58	74.00	-34.42	peak
6	13801.875	23.78	23.27	47.05	74.00	-26.95	peak
7	17953.125	20.13	28.12	48.25	74.00	-25.75	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.375	44.42	0.63	45.05	74.00	-28.95	peak
2	6860.625	35.60	6.10	41.70	74.00	-32.30	peak
3	11611.875	27.28	17.97	45.25	74.00	-28.75	peak
4	13284.375	24.90	21.97	46.87	74.00	-27.13	peak
5	14019.375	24.70	24.04	48.74	74.00	-25.26	peak
6	17911.875	21.72	27.76	49.48	74.00	-24.52	peak

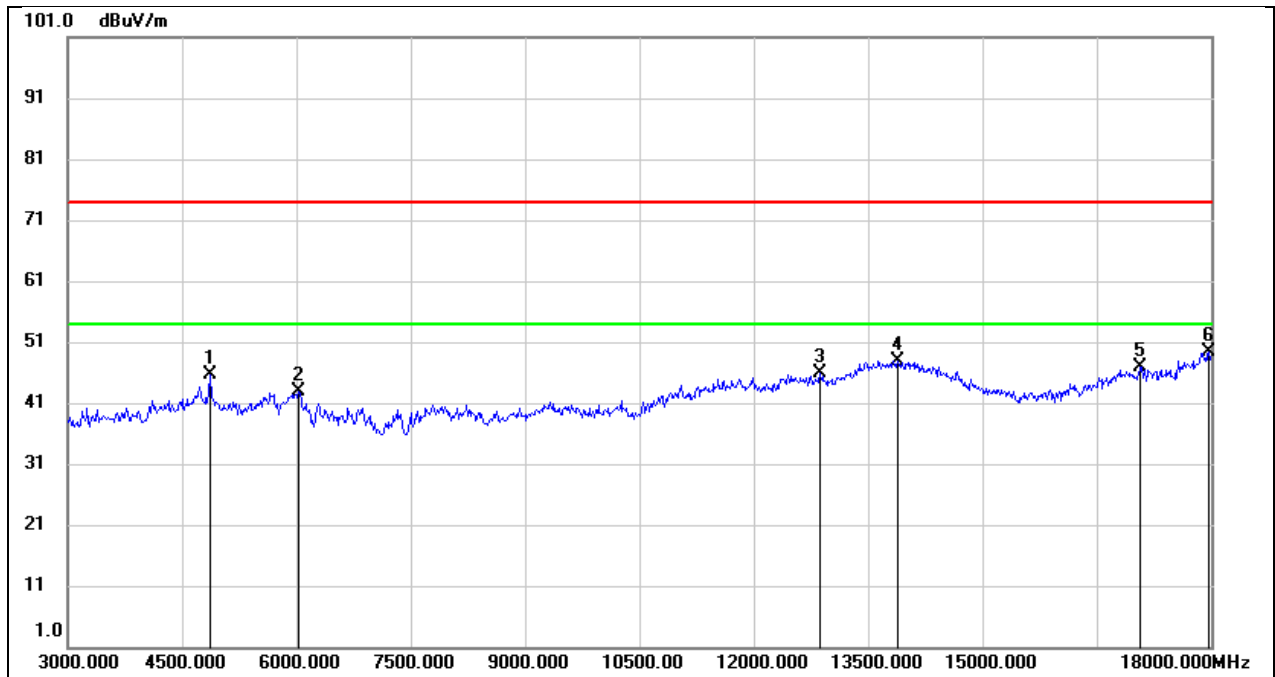
Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	52.50	0.75	53.25	74.00	-20.75	peak
2	4875.000	50.50	0.75	51.25	54.00	-2.75	AVG
3	6838.125	35.96	6.04	42.00	74.00	-32.00	peak
4	9247.500	30.78	11.14	41.92	74.00	-32.08	peak
5	12534.375	27.27	19.69	46.96	74.00	-27.04	peak
6	13591.875	26.43	22.99	49.42	74.00	-24.58	peak
7	17941.875	22.38	28.03	50.41	74.00	-23.59	peak

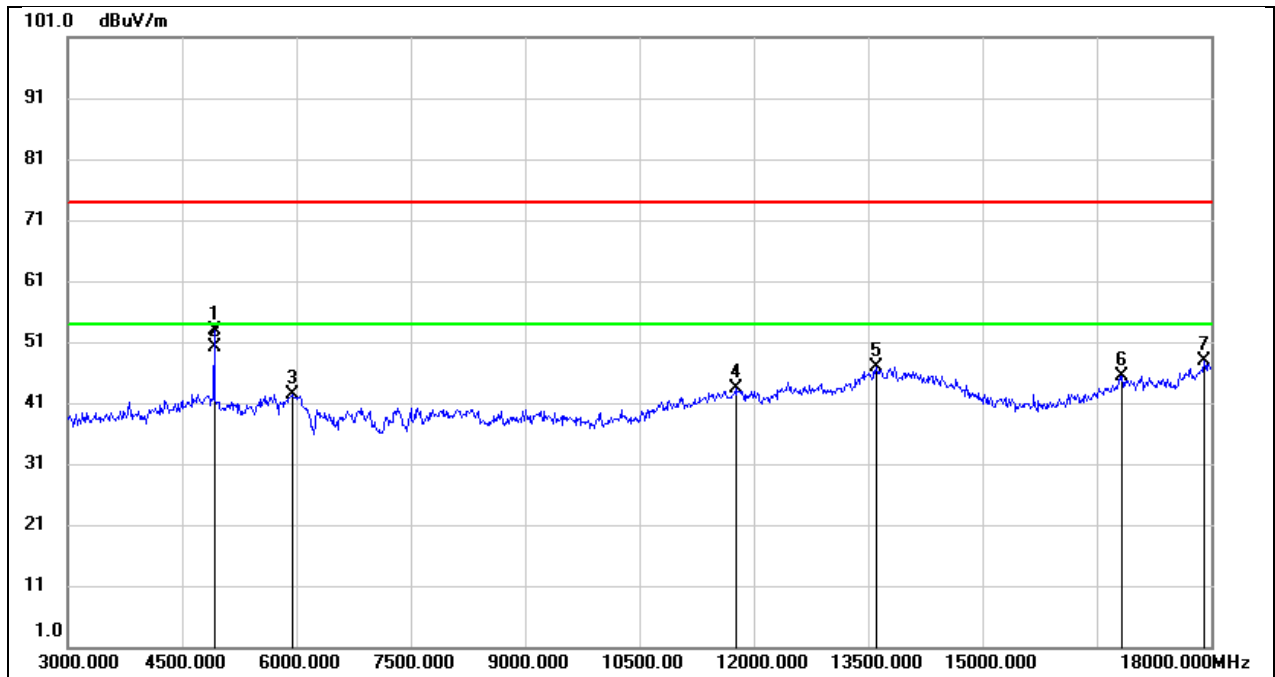


Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 14.4V



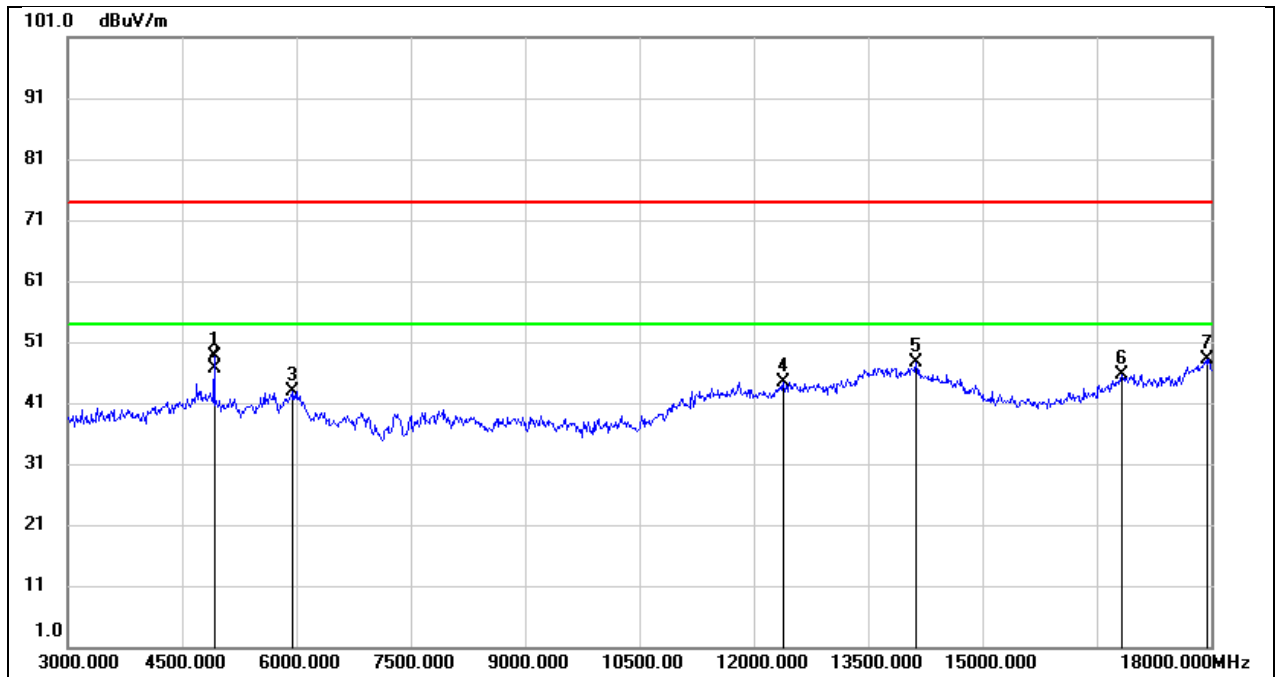
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4873.125	44.84	0.75	45.59	74.00	-28.41	peak
2	6037.500	39.74	3.10	42.84	74.00	-31.16	peak
3	12873.750	25.62	20.23	45.85	74.00	-28.15	peak
4	13897.500	24.14	23.67	47.81	74.00	-26.19	peak
5	17077.500	23.20	23.74	46.94	74.00	-27.06	peak
6	17979.375	21.06	28.36	49.42	74.00	-24.58	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



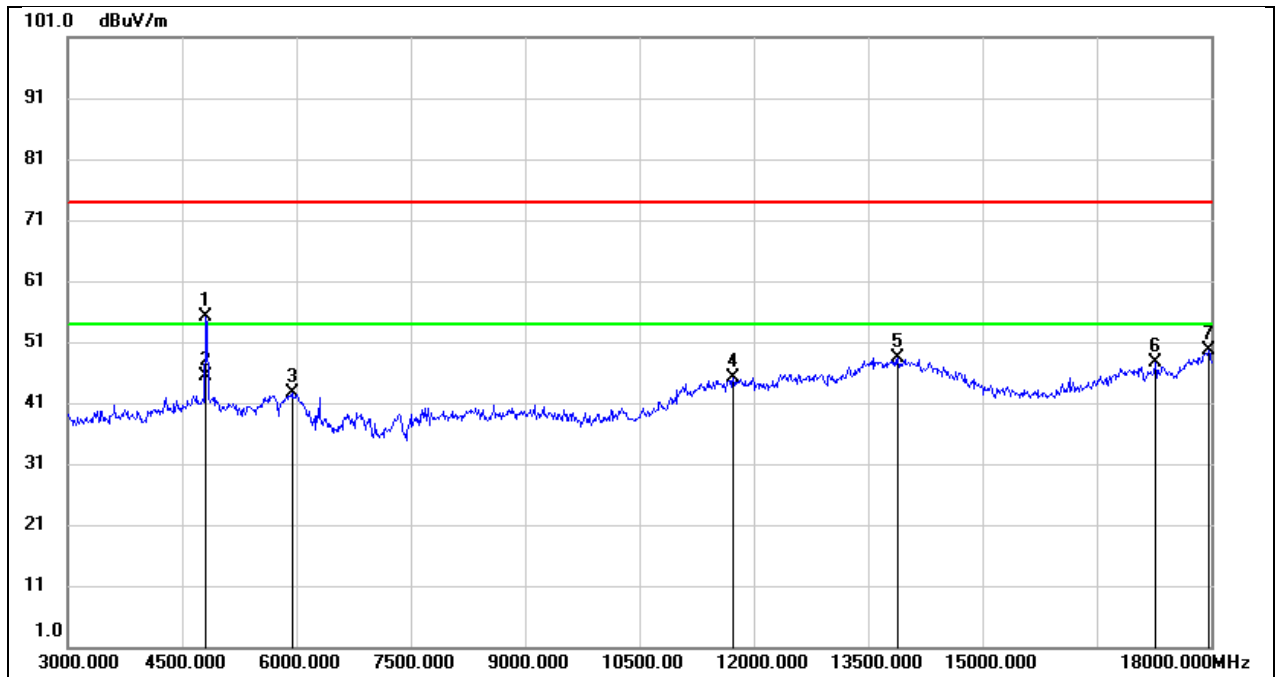
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4923.750	52.11	0.87	52.98	74.00	-21.02	peak
2	4923.750	49.34	0.87	50.21	54.00	-3.79	AVG
3	5943.750	39.45	2.83	42.28	74.00	-31.72	peak
4	11769.375	25.05	18.36	43.41	74.00	-30.59	peak
5	13606.875	23.91	23.01	46.92	74.00	-27.08	peak
6	16830.000	22.42	23.00	45.42	74.00	-28.58	peak
7	17921.250	19.94	27.84	47.78	74.00	-26.22	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 14.4V



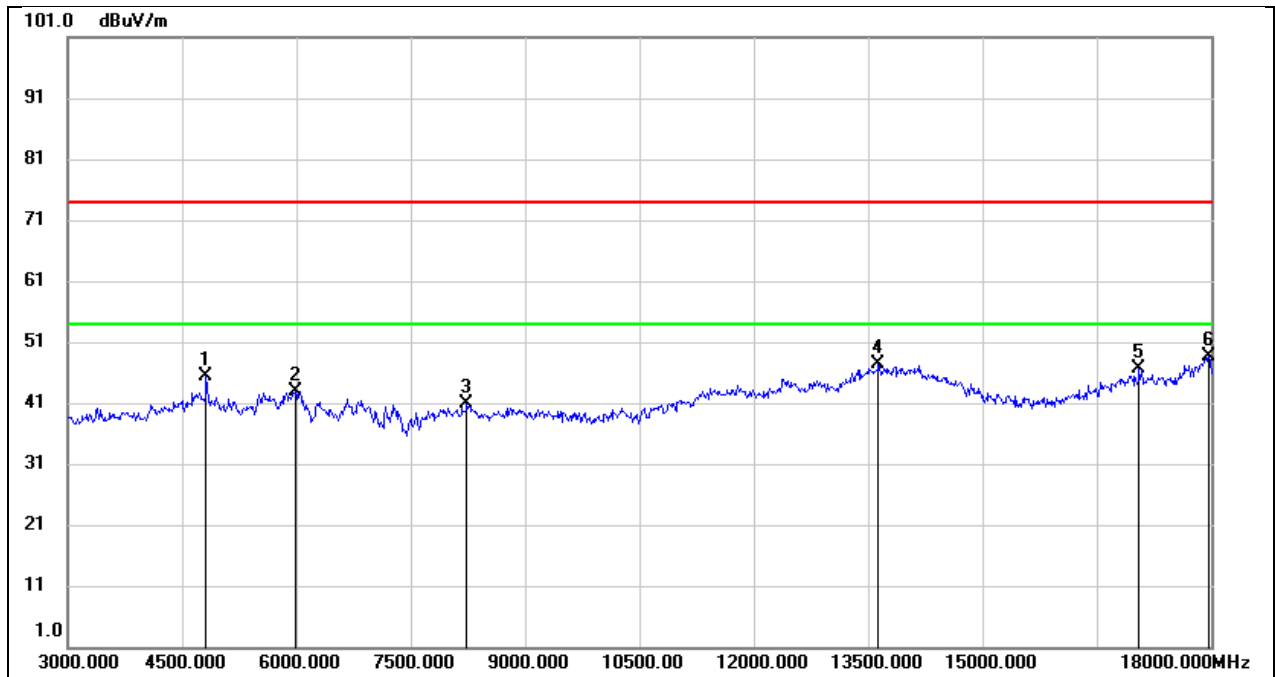
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4923.750	47.68	0.87	48.55	74.00	-25.45	peak
2	4923.750	45.65	0.87	46.52	54.00	-7.48	AVG
3	5956.875	39.94	2.85	42.79	74.00	-31.21	peak
4	12401.250	24.79	19.63	44.42	74.00	-29.58	peak
5	14143.125	23.87	23.67	47.54	74.00	-26.46	peak
6	16835.625	22.61	23.01	45.62	74.00	-28.38	peak
7	17962.500	20.03	28.21	48.24	74.00	-25.76	peak

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



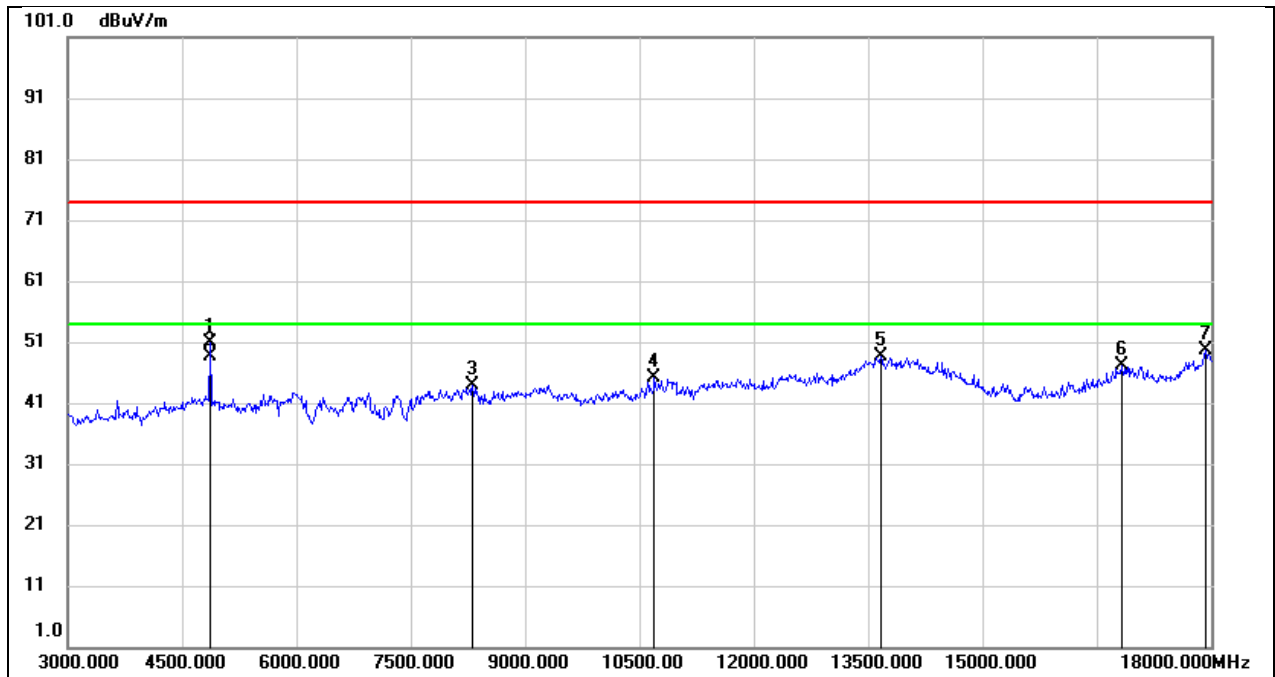
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4820.625	54.56	0.62	55.18	74.00	-18.82	peak
2	4820.625	44.83	0.62	45.45	54.00	-8.55	AVG
3	5953.125	39.73	2.84	42.57	74.00	-31.43	peak
4	11733.750	26.96	18.26	45.22	74.00	-28.78	peak
5	13893.750	24.63	23.65	48.28	74.00	-25.72	peak
6	17265.000	23.32	24.33	47.65	74.00	-26.35	peak
7	17979.375	21.39	28.36	49.75	74.00	-24.25	peak

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



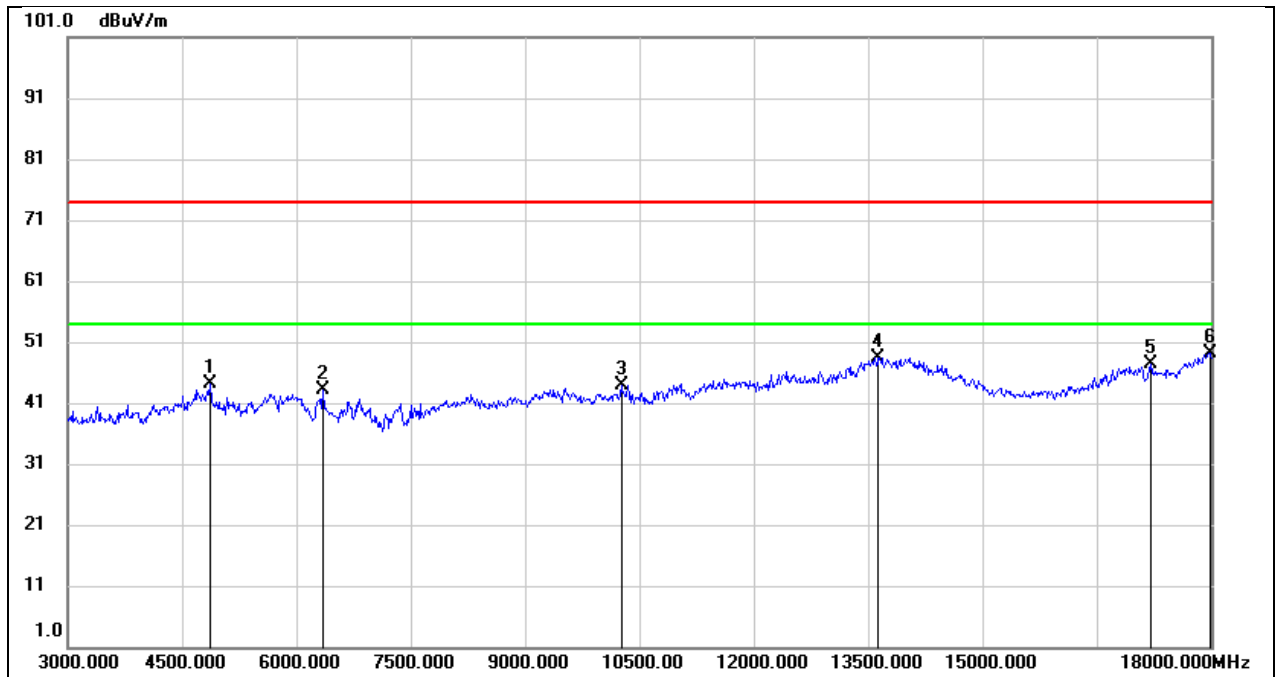
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4826.250	44.83	0.63	45.46	74.00	-28.54	peak
2	5988.750	40.04	2.91	42.95	74.00	-31.05	peak
3	8235.000	32.10	8.66	40.76	74.00	-33.24	peak
4	13646.250	24.24	23.07	47.31	74.00	-26.69	peak
5	17060.625	23.03	23.68	46.71	74.00	-27.29	peak
6	17977.500	20.36	28.34	48.70	74.00	-25.30	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 14.4V



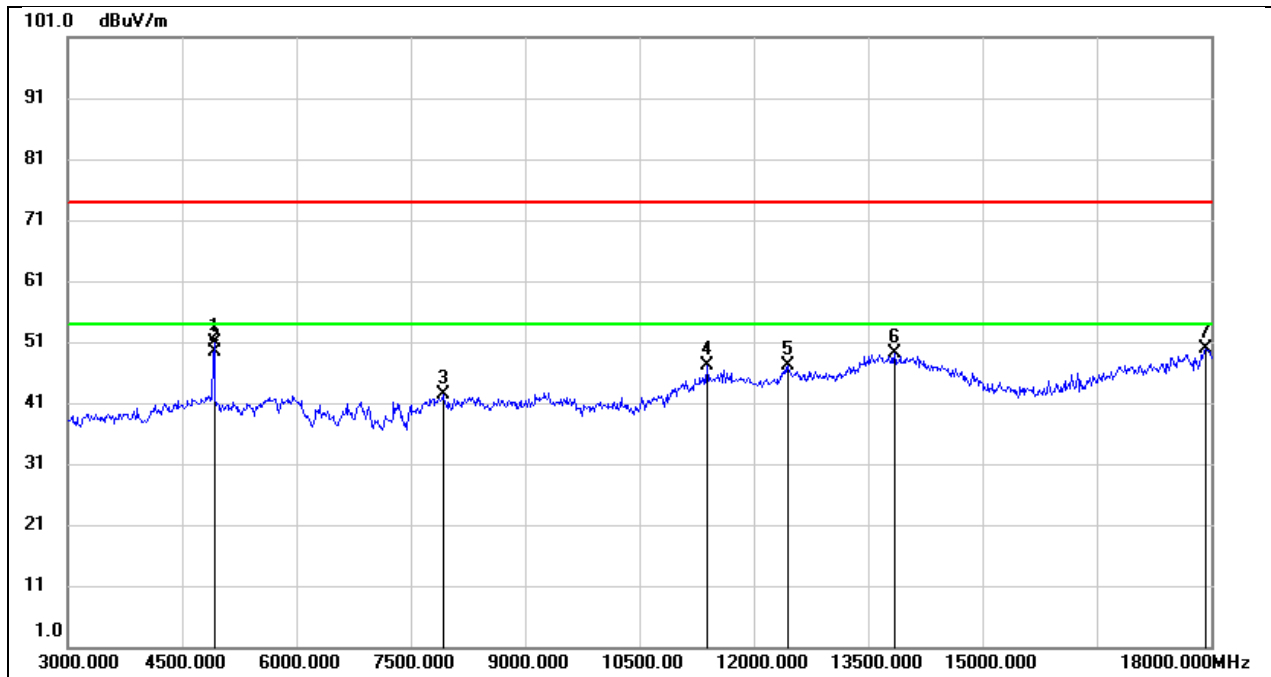
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4878.750	50.18	0.76	50.94	74.00	-23.06	peak
2	4878.750	47.89	0.76	48.65	54.00	-5.35	AVG
3	8319.375	35.06	8.79	43.85	74.00	-30.15	peak
4	10700.625	30.15	14.93	45.08	74.00	-28.92	peak
5	13666.875	25.46	23.10	48.56	74.00	-25.44	peak
6	16837.500	24.07	23.02	47.09	74.00	-26.91	peak
7	17928.750	21.62	27.91	49.53	74.00	-24.47	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4871.250	43.29	0.74	44.03	74.00	-29.97	peak
2	6358.125	38.80	4.24	43.04	74.00	-30.96	peak
3	10263.750	30.42	13.55	43.97	74.00	-30.03	peak
4	13625.625	25.42	23.03	48.45	74.00	-25.55	peak
5	17212.500	23.26	24.18	47.44	74.00	-26.56	peak
6	17986.875	20.77	28.42	49.19	74.00	-24.81	peak

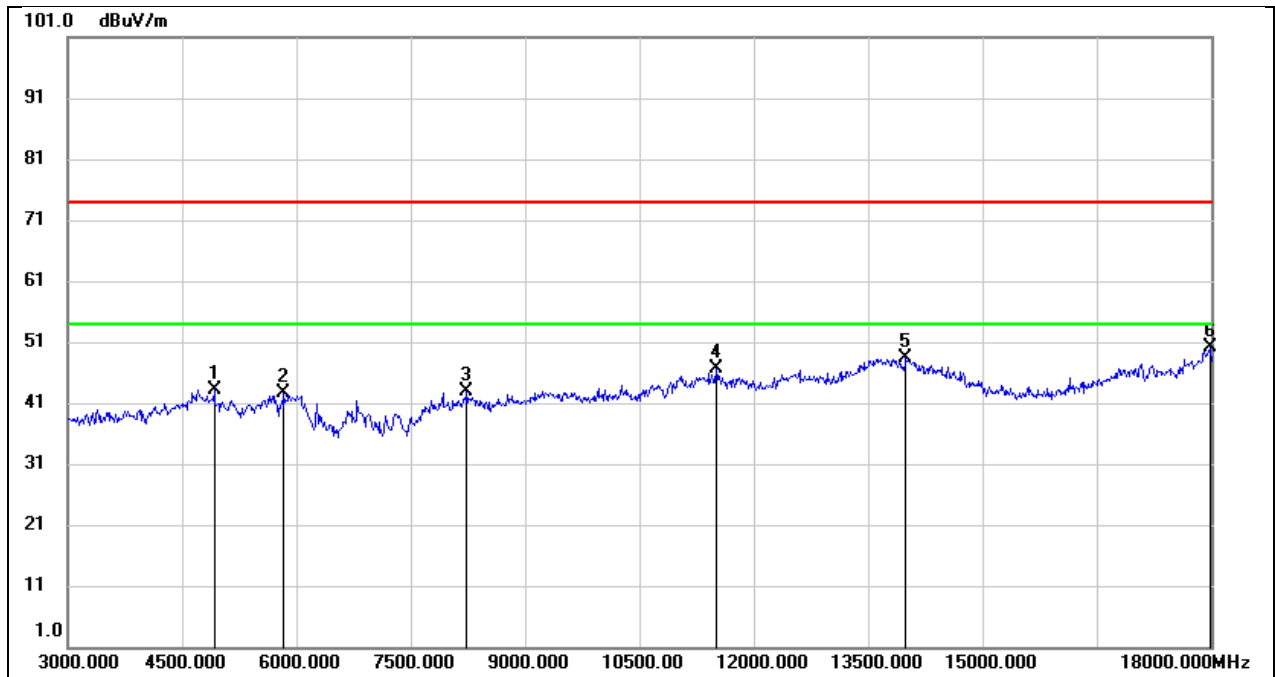
Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4923.750	49.96	0.87	50.83	74.00	-23.17	peak
2	4923.750	48.44	0.87	49.31	54.00	-4.69	AVG
3	7929.375	34.29	7.97	42.26	74.00	-31.74	peak
4	11385.000	29.80	17.43	47.23	74.00	-26.77	peak
5	12461.250	27.35	19.66	47.01	74.00	-26.99	peak
6	13850.625	25.61	23.48	49.09	74.00	-24.91	peak
7	17938.125	21.80	28.00	49.80	74.00	-24.20	peak

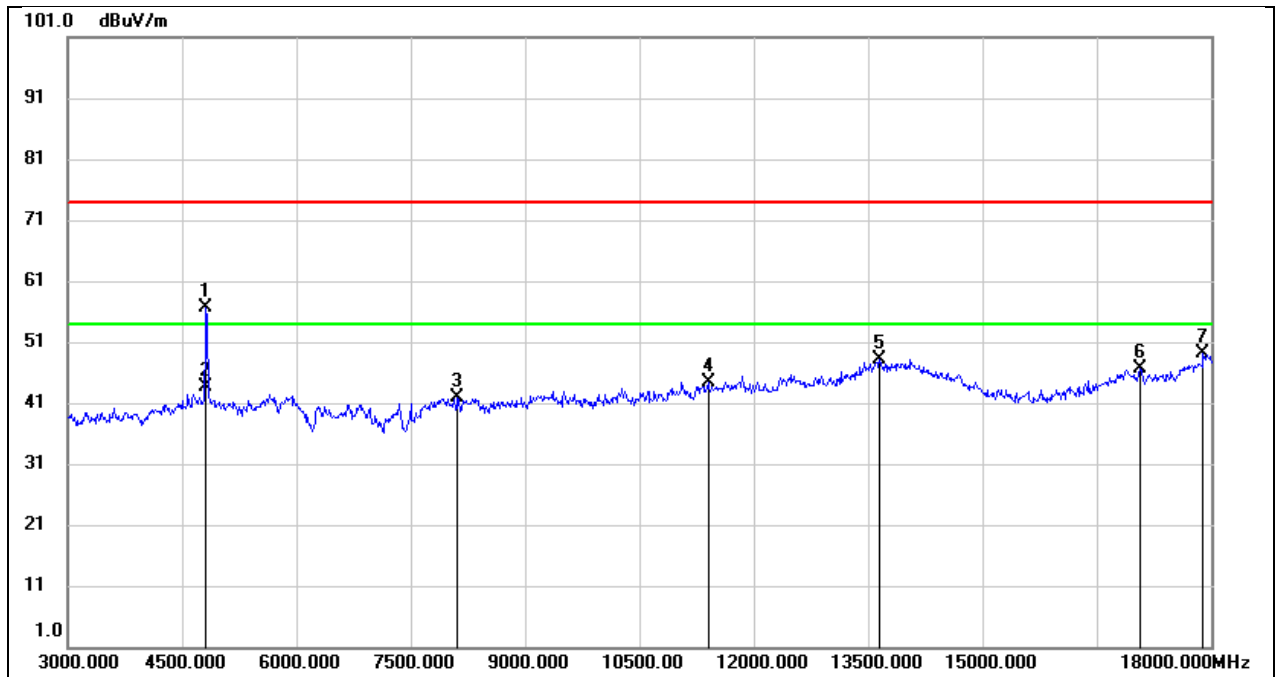


Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 14.4V



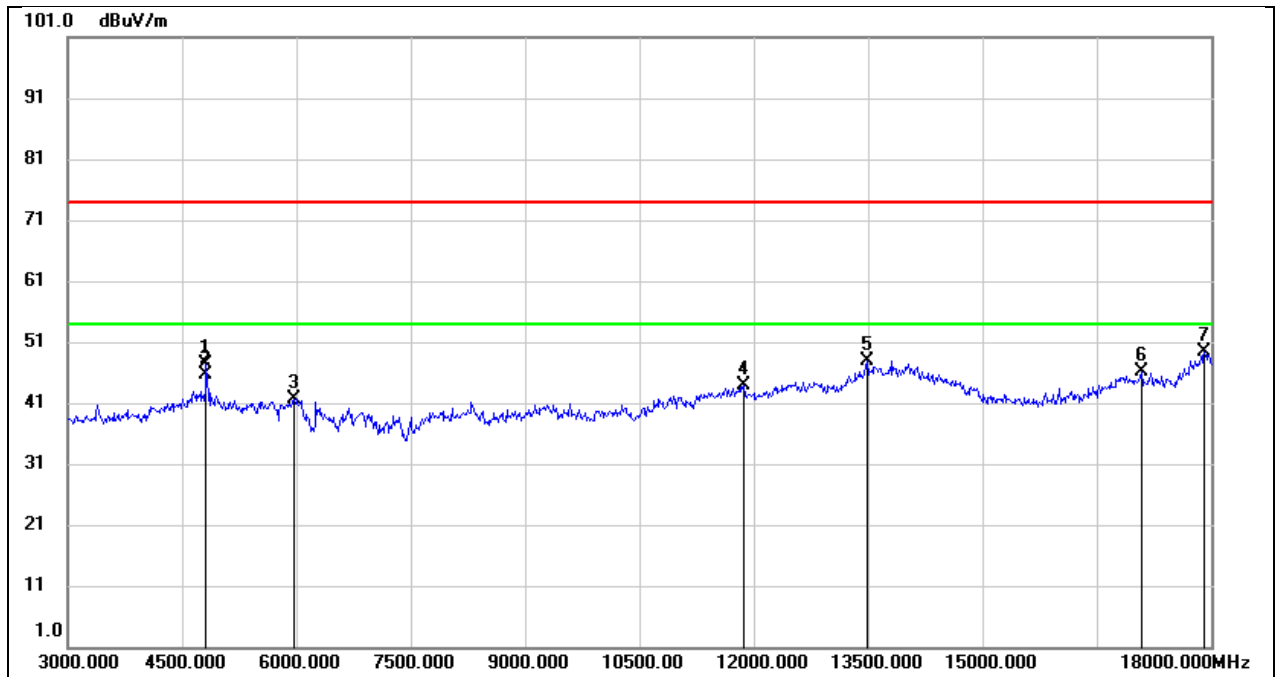
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4925.625	42.26	0.87	43.13	74.00	-30.87	peak
2	5846.250	39.98	2.66	42.64	74.00	-31.36	peak
3	8244.375	34.11	8.67	42.78	74.00	-31.22	peak
4	11506.875	28.86	17.70	46.56	74.00	-27.44	peak
5	14008.125	24.20	24.07	48.27	74.00	-25.73	peak
6	17986.875	21.74	28.42	50.16	74.00	-23.84	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



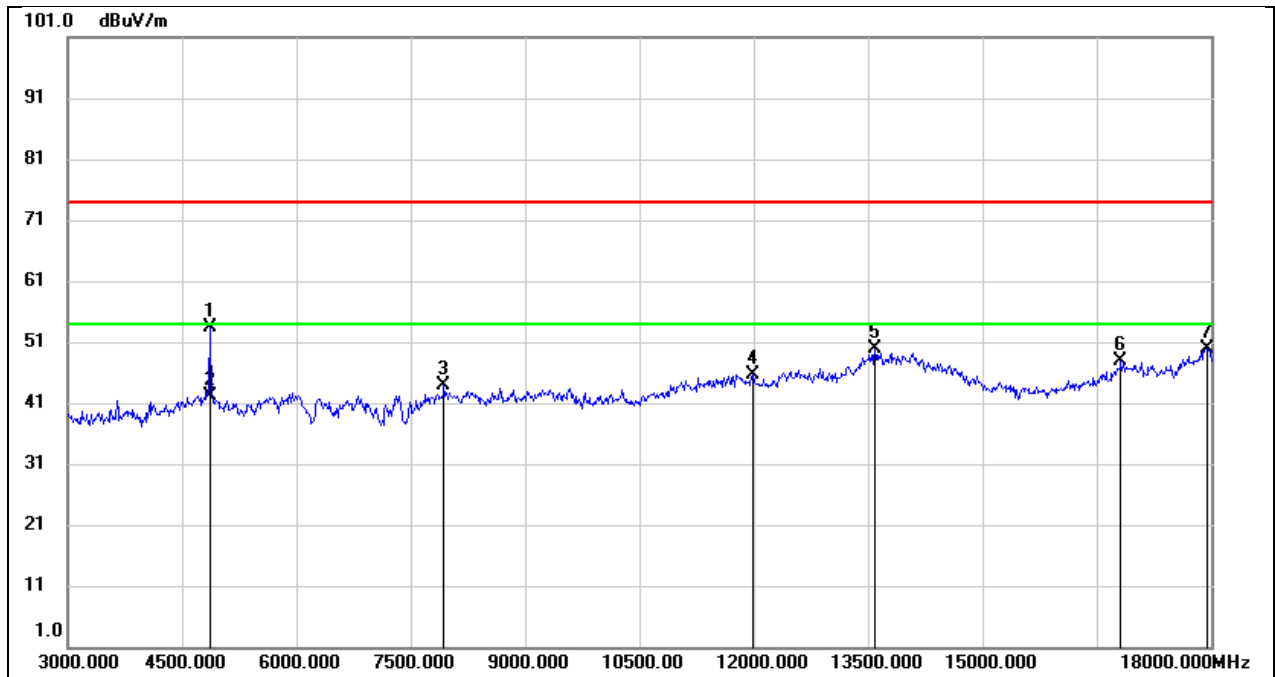
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.375	56.01	0.63	56.64	74.00	-17.36	peak
2	4824.375	43.11	0.63	43.74	54.00	-10.26	AVG
3	8124.375	33.35	8.43	41.78	74.00	-32.22	peak
4	11407.500	27.00	17.46	44.46	74.00	-29.54	peak
5	13663.125	25.03	23.09	48.12	74.00	-25.88	peak
6	17083.125	22.81	23.76	46.57	74.00	-27.43	peak
7	17906.250	21.32	27.72	49.04	74.00	-24.96	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



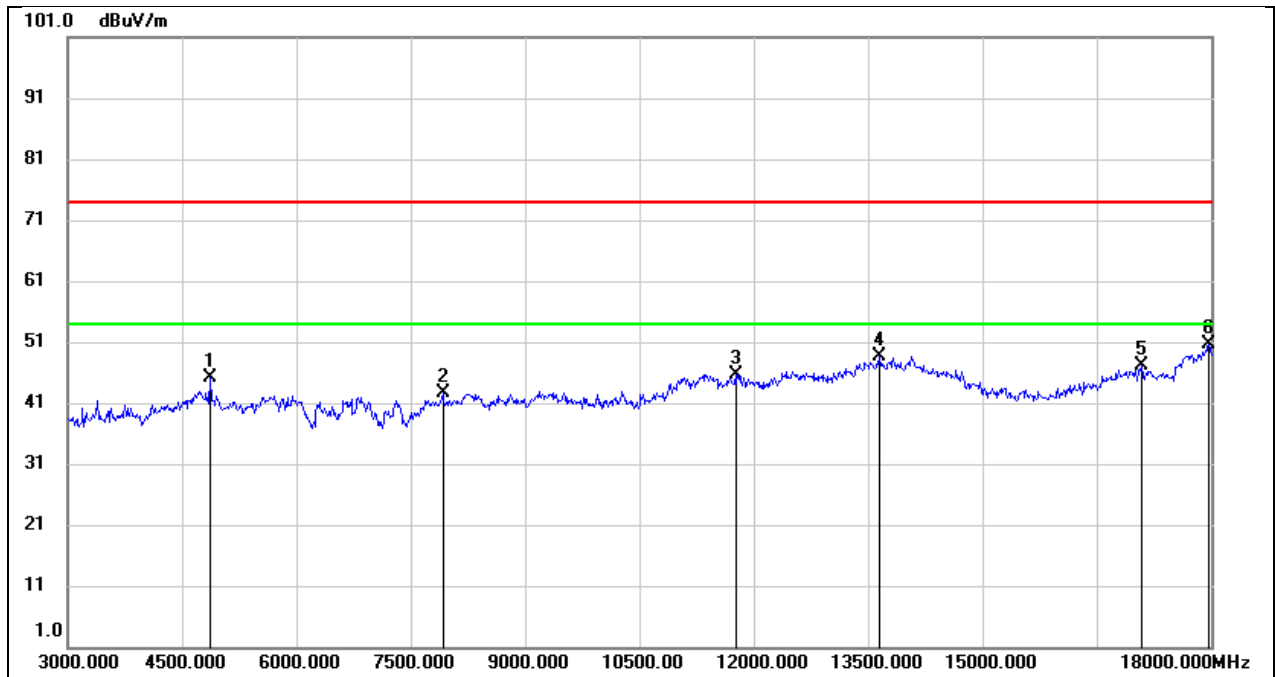
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.375	46.83	0.63	47.46	74.00	-26.54	peak
2	4824.375	45.02	0.63	45.65	54.00	-8.35	AVG
3	5977.500	38.71	2.90	41.61	74.00	-32.39	peak
4	11874.375	25.19	18.57	43.76	74.00	-30.24	peak
5	13496.250	25.15	22.83	47.98	74.00	-26.02	peak
6	17090.625	22.37	23.78	46.15	74.00	-27.85	peak
7	17911.875	21.52	27.76	49.28	74.00	-24.72	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 14.4V



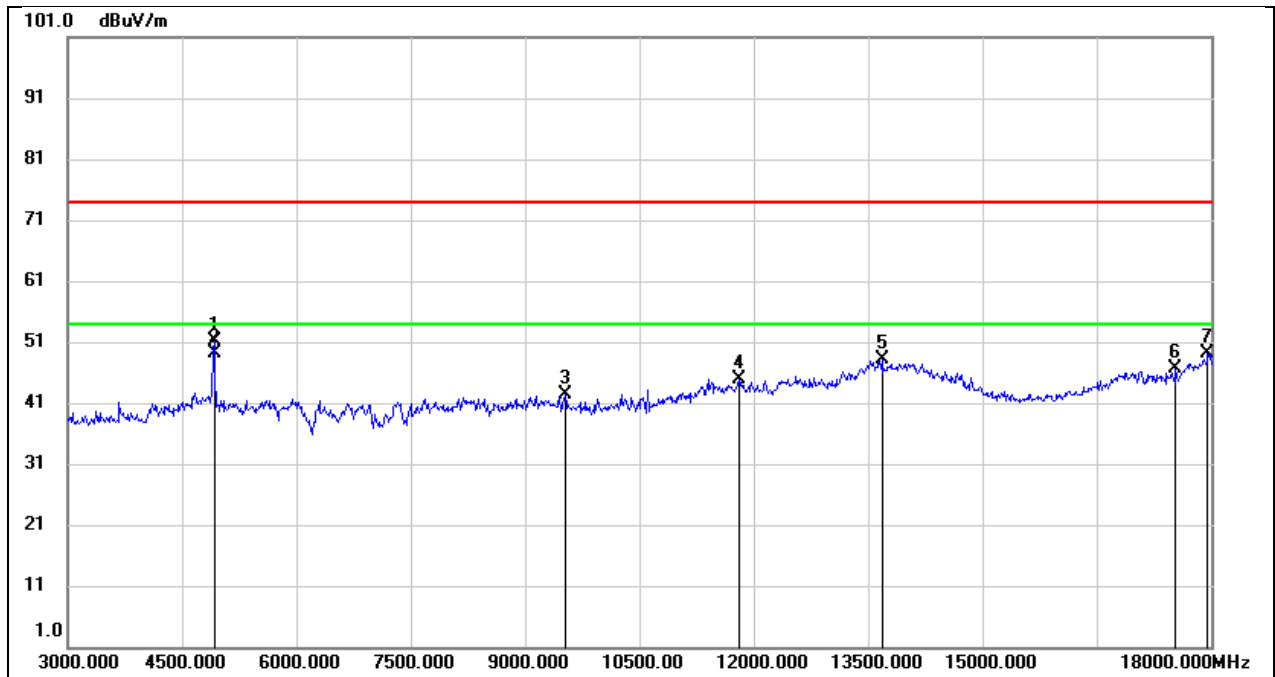
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4869.375	52.64	0.74	53.38	74.00	-20.62	peak
2	4869.375	41.48	0.74	42.22	54.00	-11.78	AVG
3	7936.875	35.89	7.98	43.87	74.00	-30.13	peak
4	11998.125	26.80	18.82	45.62	74.00	-28.38	peak
5	13603.125	26.76	23.01	49.77	74.00	-24.23	peak
6	16826.250	24.86	22.99	47.85	74.00	-26.15	peak
7	17964.375	21.70	28.23	49.93	74.00	-24.07	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 14.4V



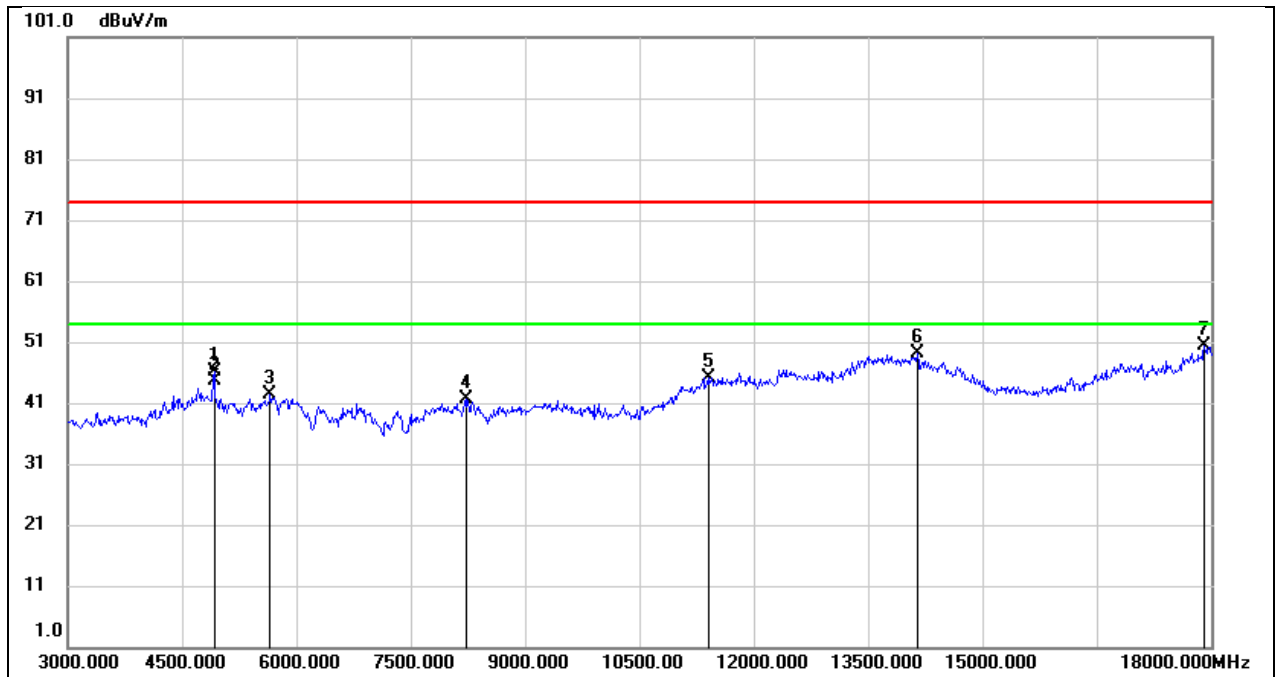
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4876.875	44.36	0.75	45.11	74.00	-28.89	peak
2	7920.000	34.57	7.94	42.51	74.00	-31.49	peak
3	11765.625	27.36	18.35	45.71	74.00	-28.29	peak
4	13650.000	25.69	23.06	48.75	74.00	-25.25	peak
5	17088.750	23.36	23.77	47.13	74.00	-26.87	peak
6	17983.125	22.11	28.40	50.51	74.00	-23.49	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



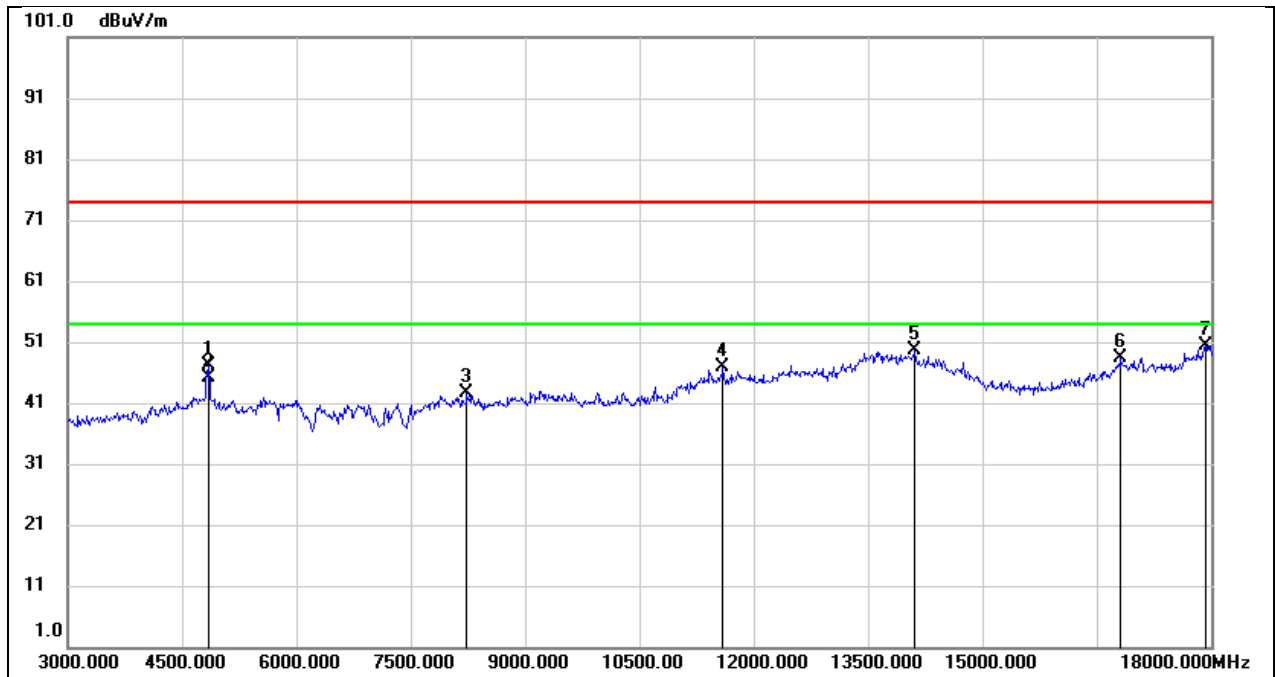
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4923.750	50.14	0.87	51.01	74.00	-22.99	peak
2	4923.750	48.34	0.87	49.21	54.00	-4.79	AVG
3	9532.500	29.97	12.35	42.32	74.00	-31.68	peak
4	11805.000	26.44	18.45	44.89	74.00	-29.11	peak
5	13681.875	24.98	23.10	48.08	74.00	-25.92	peak
6	17536.875	21.29	25.25	46.54	74.00	-27.46	peak
7	17968.125	20.87	28.26	49.13	74.00	-24.87	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4921.875	45.17	0.86	46.03	74.00	-27.97	peak
2	4921.875	43.76	0.86	44.62	54.00	-9.38	AVG
3	5668.125	40.17	2.33	42.50	74.00	-31.50	peak
4	8231.250	32.94	8.64	41.58	74.00	-32.42	peak
5	11407.500	27.79	17.46	45.25	74.00	-28.75	peak
6	14150.625	25.52	23.64	49.16	74.00	-24.84	peak
7	17910.000	22.67	27.75	50.42	74.00	-23.58	peak

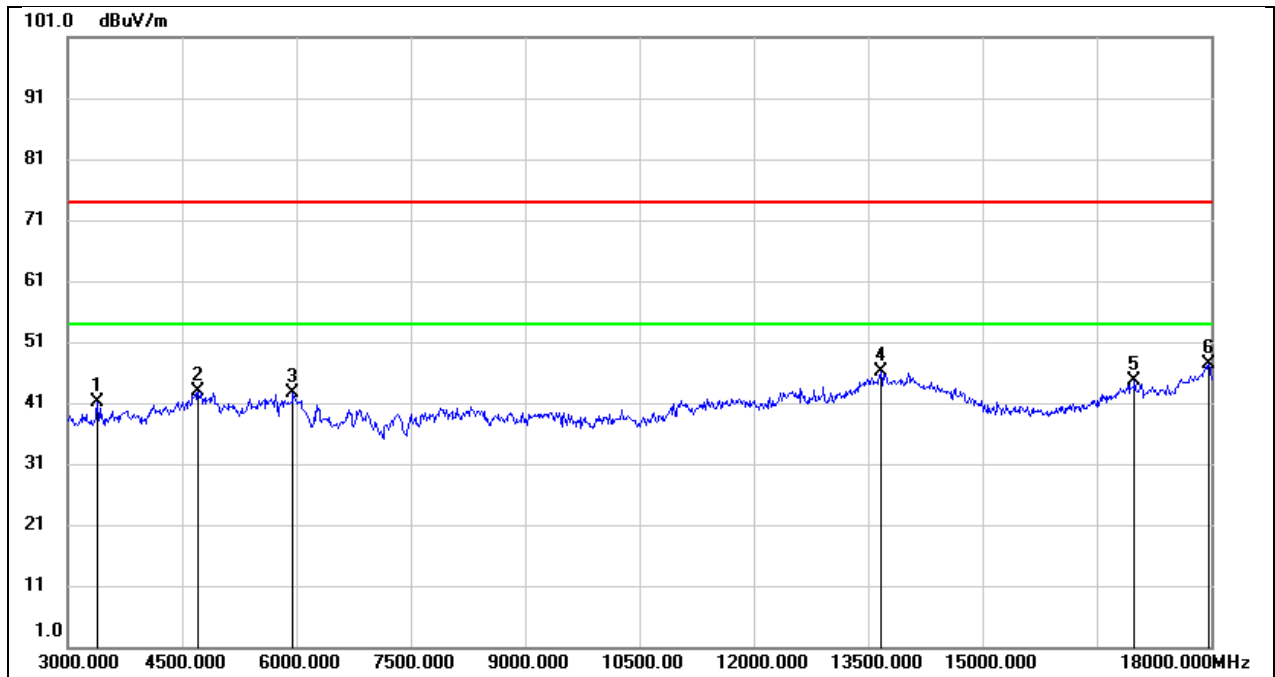
Test Mode:	802.11n HT40	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	46.52	0.68	47.20	74.00	-26.80	peak
2	4845.000	44.51	0.68	45.19	54.00	-8.81	AVG
3	8238.750	33.87	8.66	42.53	74.00	-31.47	peak
4	11602.500	29.02	17.94	46.96	74.00	-27.04	peak
5	14128.125	25.87	23.71	49.58	74.00	-24.42	peak
6	16826.250	25.46	22.99	48.45	74.00	-25.55	peak
7	17928.750	22.57	27.91	50.48	74.00	-23.52	peak

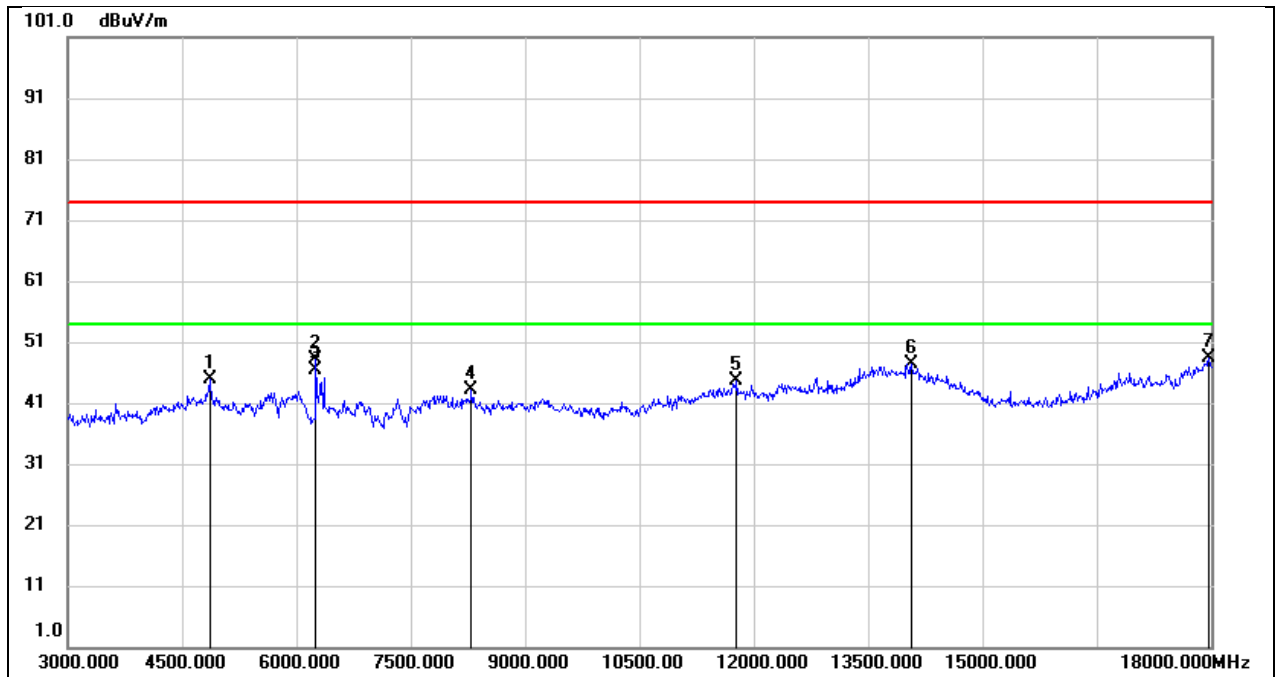


Test Mode:	802.11n HT40	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 14.4V



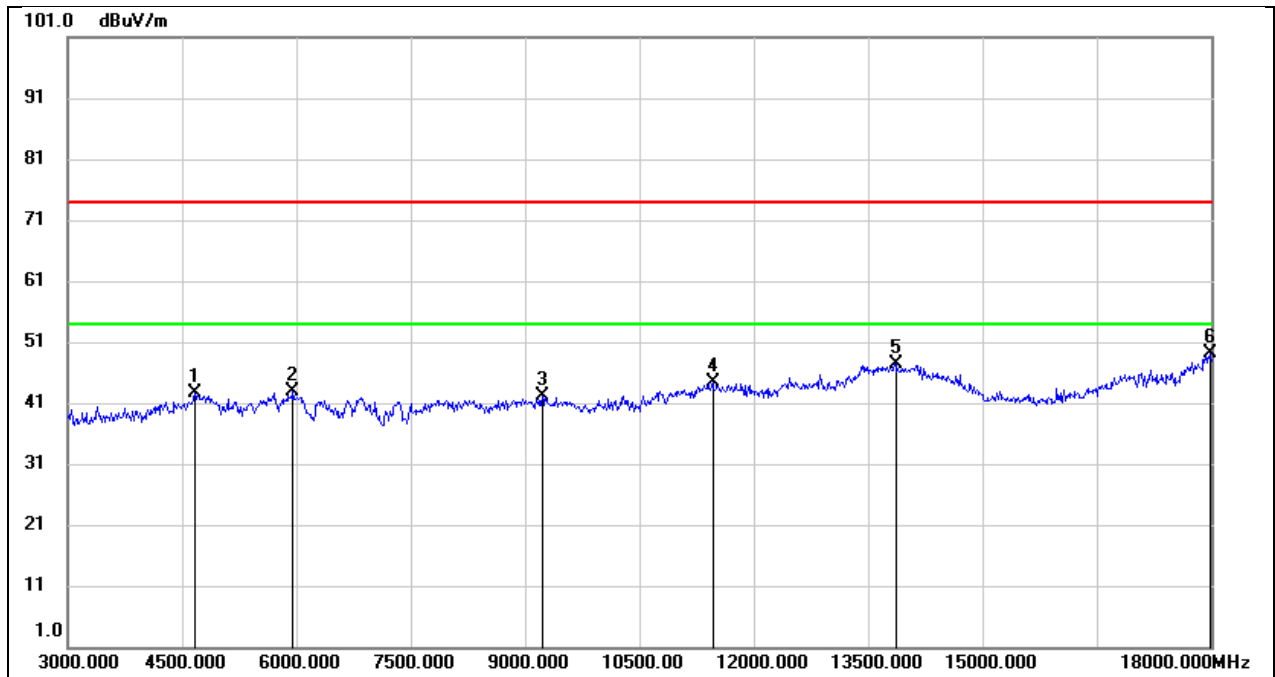
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3399.375	45.15	-4.01	41.14	74.00	-32.86	peak
2	4715.625	42.65	0.31	42.96	74.00	-31.04	peak
3	5964.375	39.76	2.86	42.62	74.00	-31.38	peak
4	13672.500	22.95	23.10	46.05	74.00	-27.95	peak
5	16996.875	21.08	23.47	44.55	74.00	-29.45	peak
6	17975.625	19.05	28.33	47.38	74.00	-26.62	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 14.4V



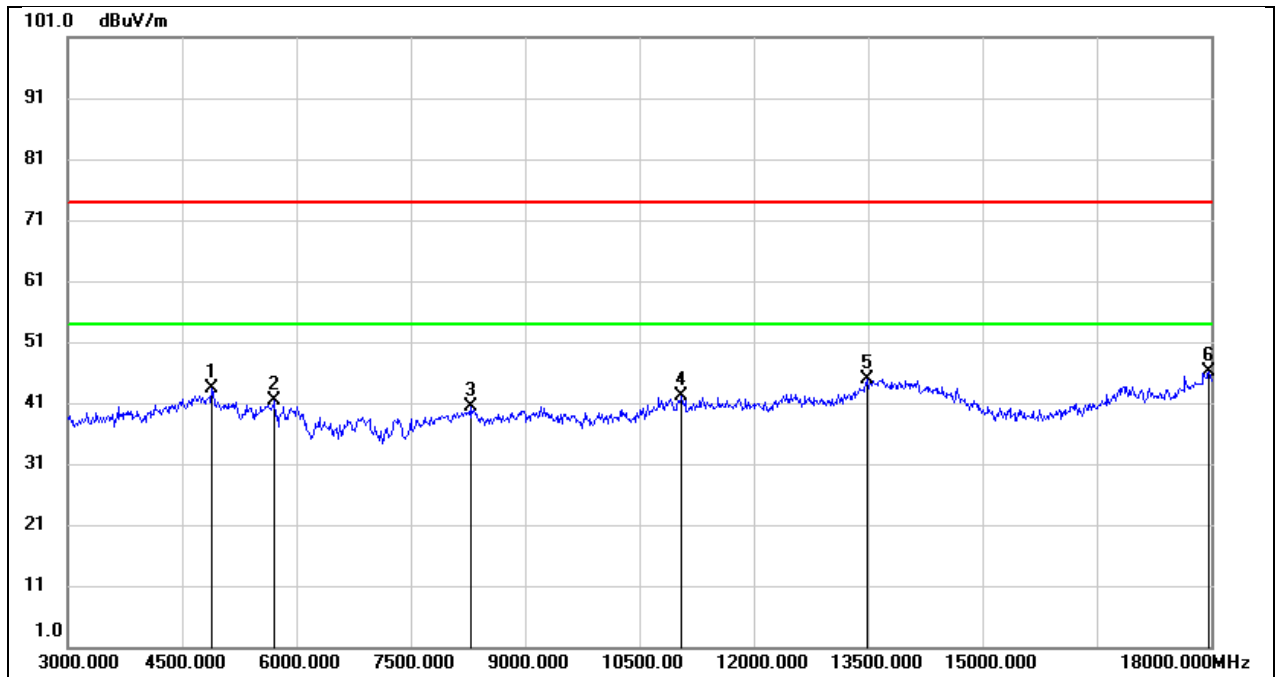
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	44.22	0.72	44.94	74.00	-29.06	peak
2	6264.375	44.13	4.02	48.15	74.00	-25.85	peak
3	6264.375	42.32	4.02	46.34	54.00	-7.66	AVG
4	8306.250	34.38	8.77	43.15	74.00	-30.85	peak
5	11776.875	26.18	18.38	44.56	74.00	-29.44	peak
6	14071.875	23.52	23.87	47.39	74.00	-26.61	peak
7	17979.375	20.10	28.36	48.46	74.00	-25.54	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 14.4V



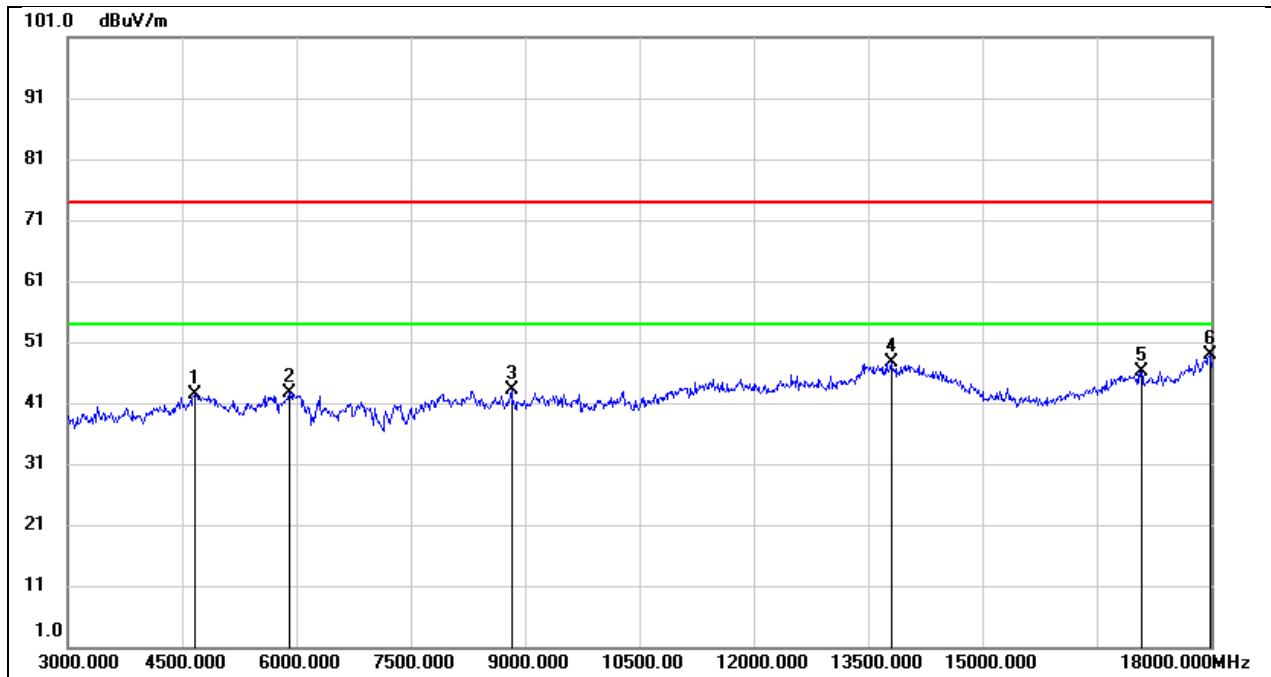
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4665.000	42.50	0.16	42.66	74.00	-31.34	peak
2	5956.875	40.13	2.85	42.98	74.00	-31.02	peak
3	9238.125	30.99	11.10	42.09	74.00	-31.91	peak
4	11463.750	26.76	17.59	44.35	74.00	-29.65	peak
5	13860.000	23.98	23.52	47.50	74.00	-26.50	peak
6	17988.750	20.80	28.44	49.24	74.00	-24.76	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 14.4V



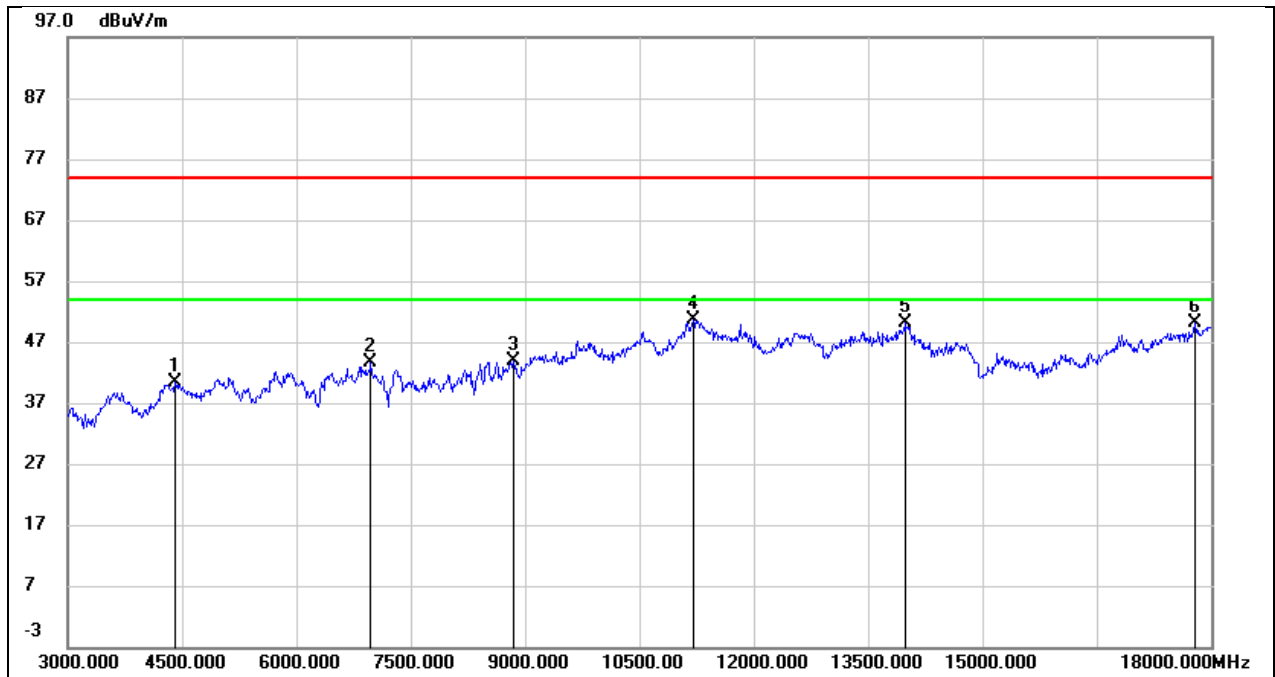
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4890.000	42.62	0.78	43.40	74.00	-30.60	peak
2	5715.000	39.05	2.41	41.46	74.00	-32.54	peak
3	8280.000	31.60	8.72	40.32	74.00	-33.68	peak
4	11055.000	25.50	16.60	42.10	74.00	-31.90	peak
5	13485.000	22.02	22.79	44.81	74.00	-29.19	peak
6	17970.000	17.83	28.27	46.10	74.00	-27.90	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 14.4V



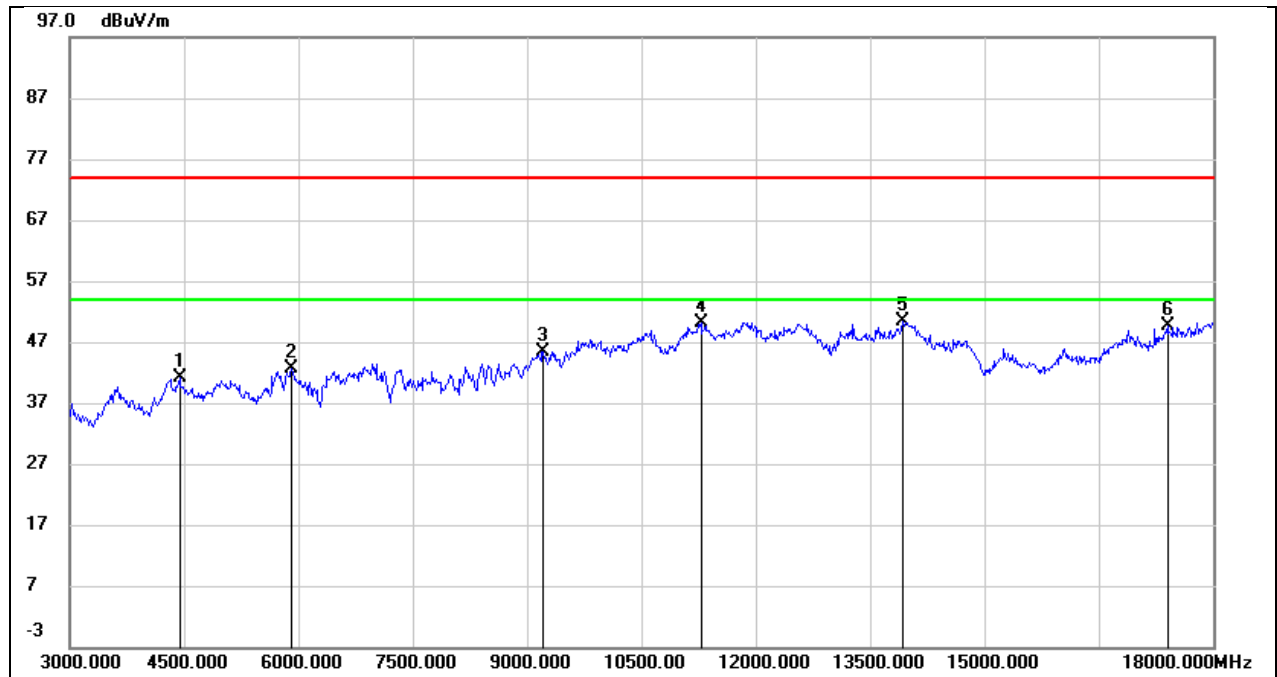
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4678.125	42.17	0.20	42.37	74.00	-31.63	peak
2	5923.125	39.95	2.79	42.74	74.00	-31.26	peak
3	8821.875	33.64	9.56	43.20	74.00	-30.80	peak
4	13807.500	24.30	23.30	47.60	74.00	-26.40	peak
5	17085.000	22.49	23.76	46.25	74.00	-27.75	peak
6	17994.375	20.50	28.49	48.99	74.00	-25.01	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



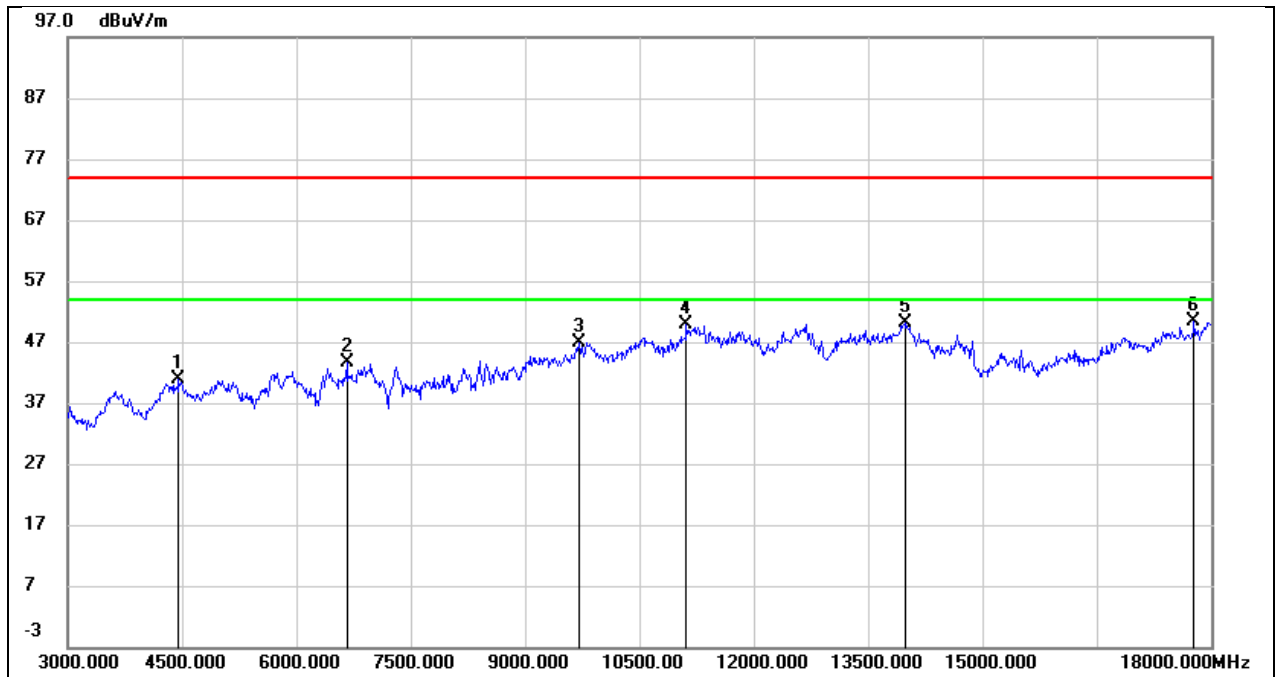
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4410.000	40.99	-0.69	40.30	74.00	-33.70	peak
2	6975.000	37.16	6.39	43.55	74.00	-30.45	peak
3	8850.000	34.29	9.65	43.94	74.00	-30.06	peak
4	11205.000	33.25	17.27	50.52	74.00	-23.48	peak
5	13980.000	26.18	24.01	50.19	74.00	-23.81	peak
6	17790.000	23.49	26.72	50.21	74.00	-23.79	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4440.000	41.62	-0.57	41.05	74.00	-32.95	peak
2	5910.000	39.80	2.77	42.57	74.00	-31.43	peak
3	9210.000	34.47	10.98	45.45	74.00	-28.55	peak
4	11280.000	32.76	17.33	50.09	74.00	-23.91	peak
5	13935.000	26.65	23.83	50.48	74.00	-23.52	peak
6	17400.000	24.86	24.73	49.59	74.00	-24.41	peak

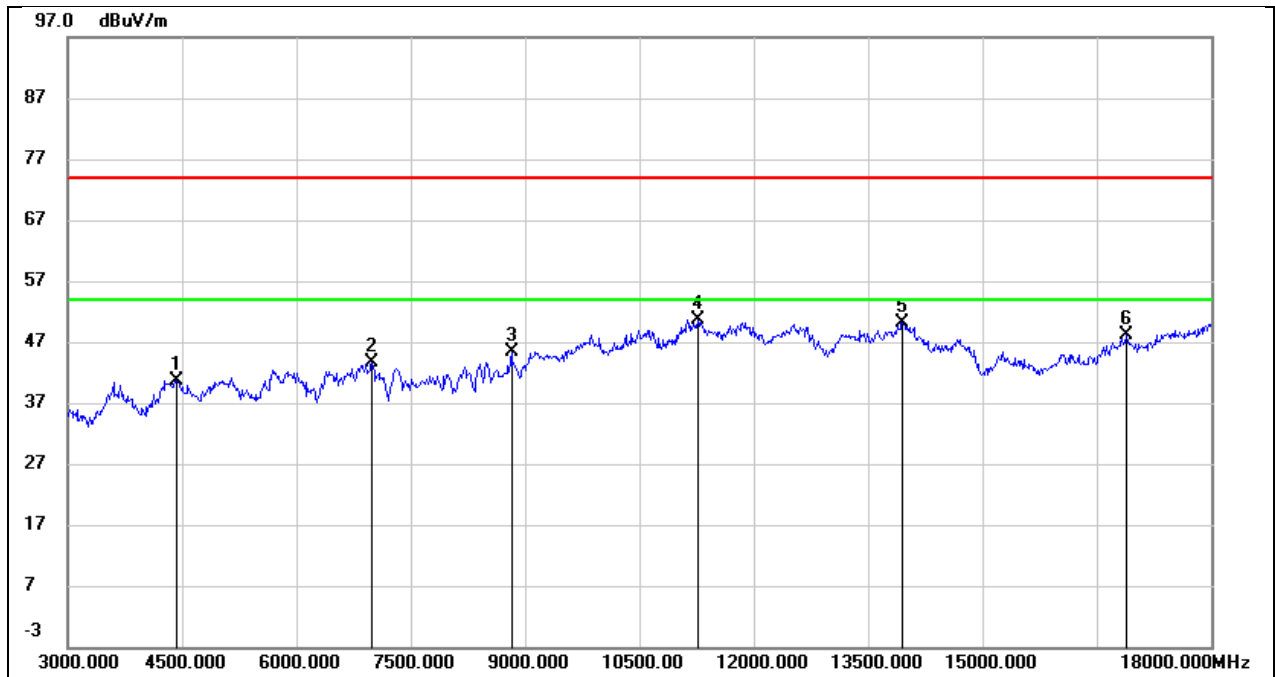
Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4455.000	41.48	-0.51	40.97	74.00	-33.03	peak
2	6660.000	38.21	5.34	43.55	74.00	-30.45	peak
3	9705.000	34.00	12.92	46.92	74.00	-27.08	peak
4	11115.000	33.02	16.88	49.90	74.00	-24.10	peak
5	13980.000	26.06	24.01	50.07	74.00	-23.93	peak
6	17775.000	23.73	26.63	50.36	74.00	-23.64	peak

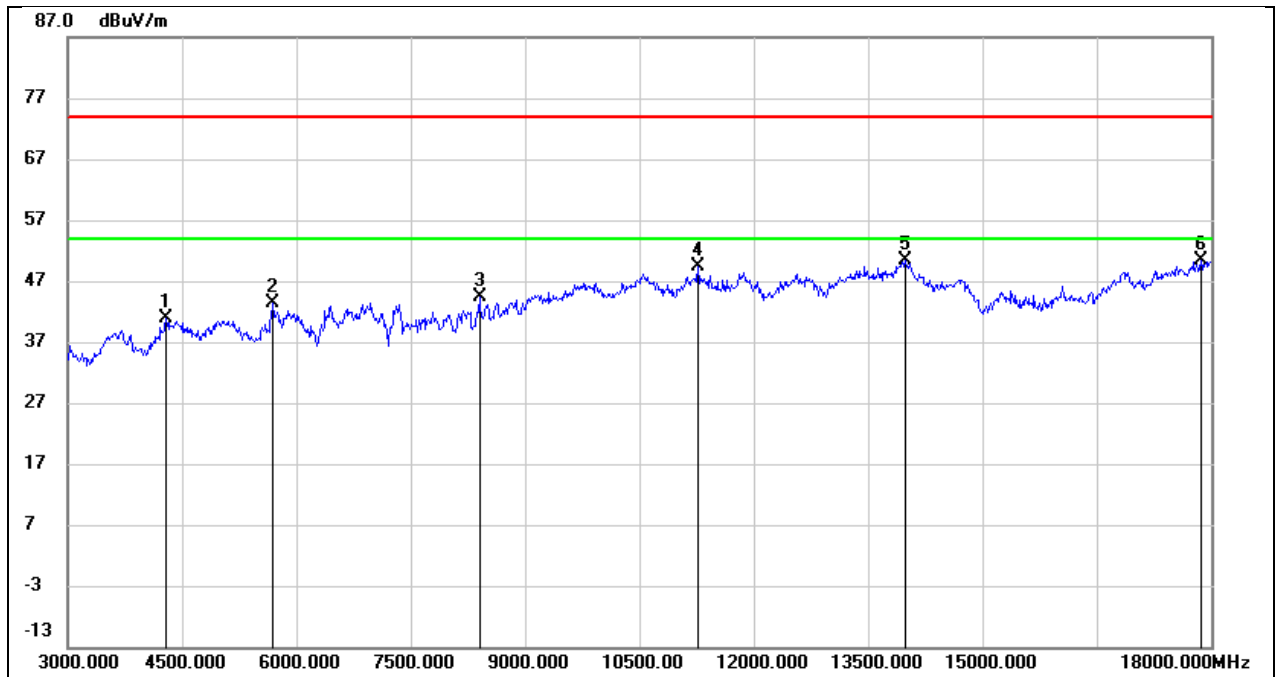


Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 14.4V



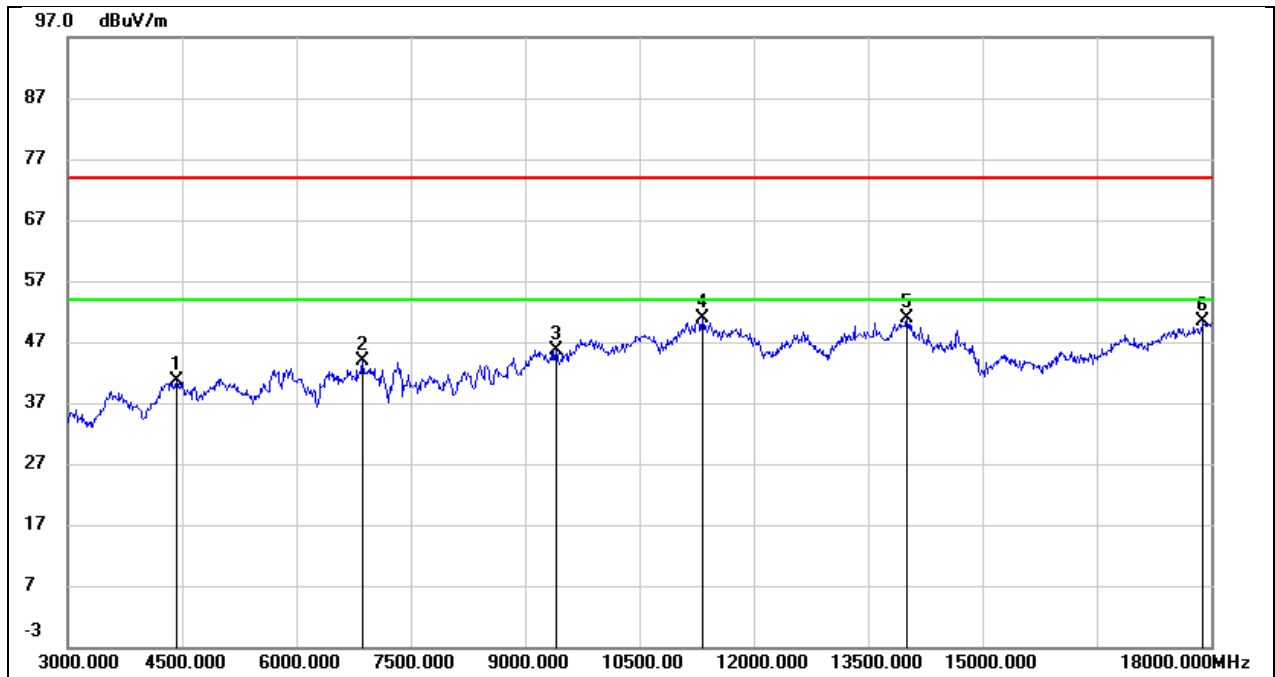
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4425.000	41.35	-0.64	40.71	74.00	-33.29	peak
2	6990.000	37.17	6.42	43.59	74.00	-30.41	peak
3	8820.000	35.80	9.56	45.36	74.00	-28.64	peak
4	11265.000	33.33	17.32	50.65	74.00	-23.35	peak
5	13950.000	26.21	23.89	50.10	74.00	-23.90	peak
6	16890.000	25.07	23.17	48.24	74.00	-25.76	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 14.4V



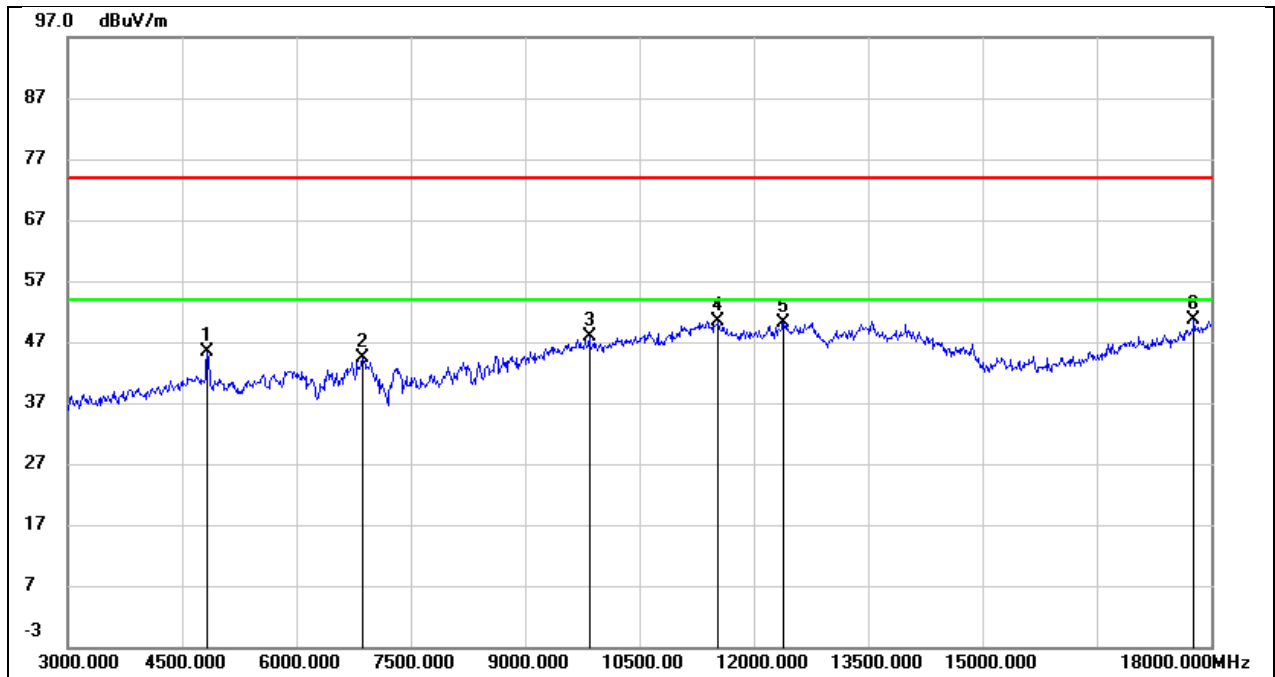
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4290.000	42.00	-1.17	40.83	74.00	-33.17	peak
2	5685.000	41.05	2.37	43.42	74.00	-30.58	peak
3	8400.000	35.46	8.91	44.37	74.00	-29.63	peak
4	11265.000	32.17	17.32	49.49	74.00	-24.51	peak
5	13980.000	26.43	24.01	50.44	74.00	-23.56	peak
6	17865.000	23.13	27.35	50.48	74.00	-23.52	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 14.4V



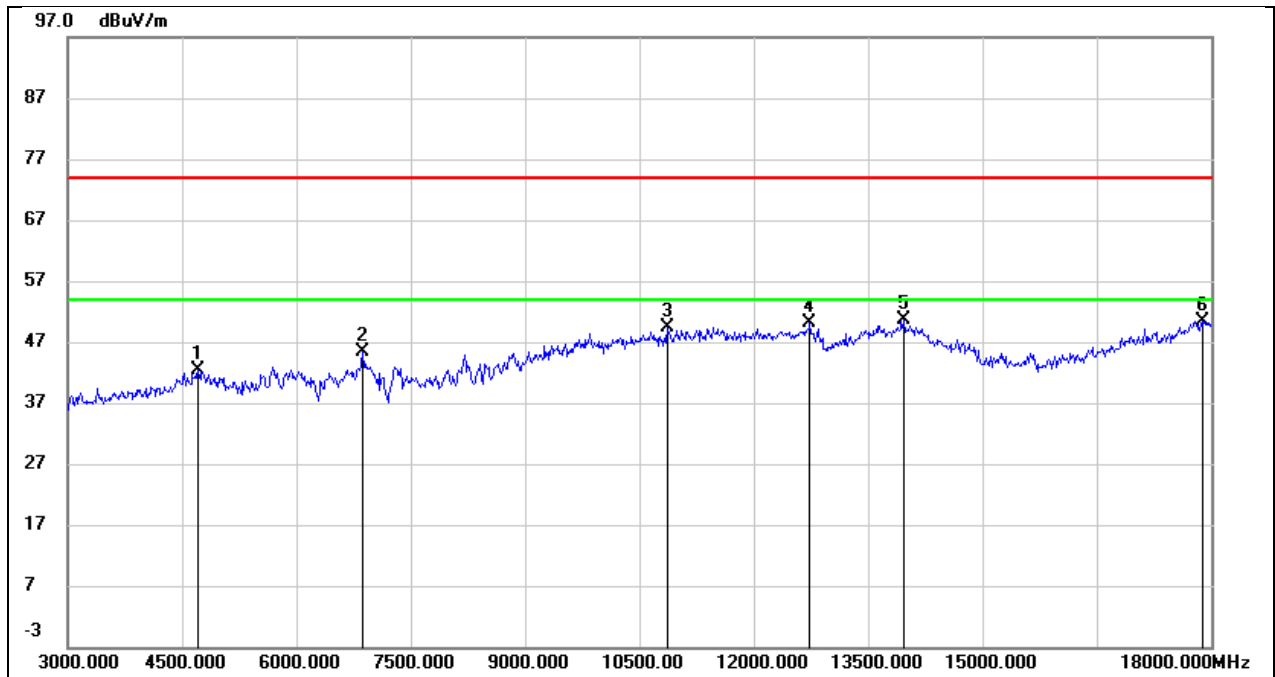
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4425.000	41.26	-0.64	40.62	74.00	-33.38	peak
2	6870.000	37.83	6.12	43.95	74.00	-30.05	peak
3	9405.000	33.85	11.79	45.64	74.00	-28.36	peak
4	11325.000	33.54	17.38	50.92	74.00	-23.08	peak
5	14010.000	26.82	24.07	50.89	74.00	-23.11	peak
6	17895.000	22.74	27.62	50.36	74.00	-23.64	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 14.4V



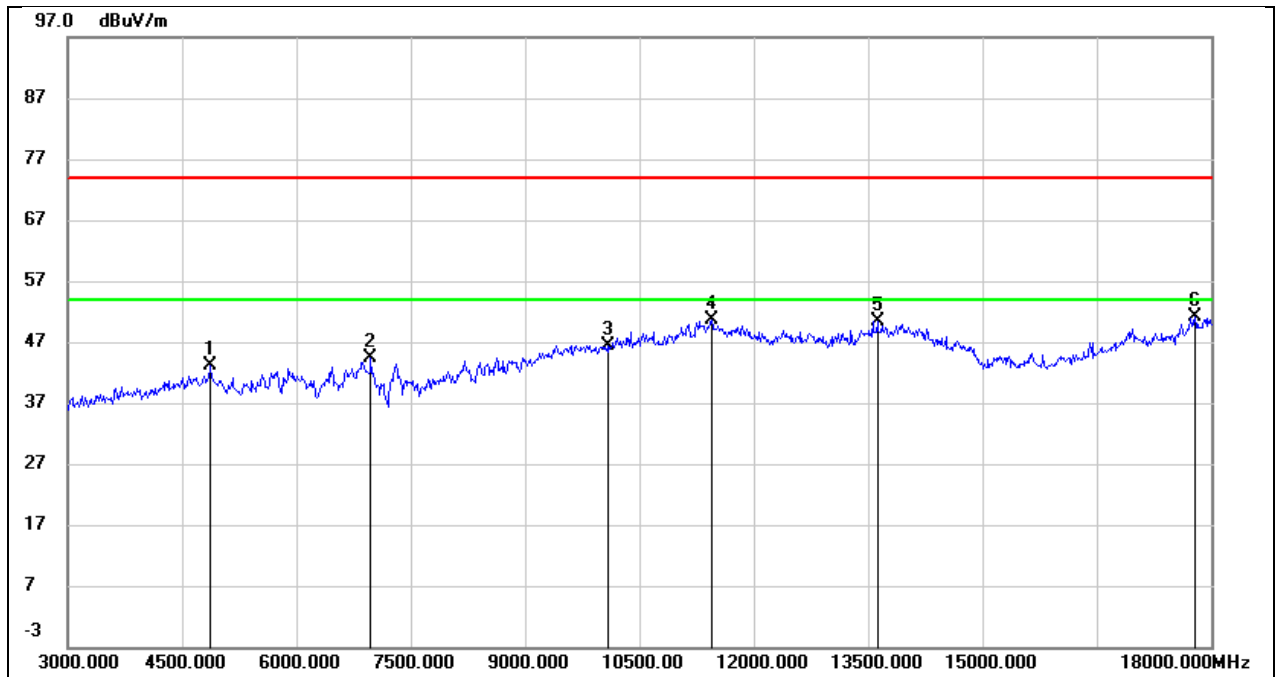
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4830.000	44.70	0.64	45.34	74.00	-28.66	peak
2	6870.000	38.17	6.12	44.29	74.00	-29.71	peak
3	9840.000	34.65	13.17	47.82	74.00	-26.18	peak
4	11535.000	32.71	17.77	50.48	74.00	-23.52	peak
5	12390.000	30.55	19.61	50.16	74.00	-23.84	peak
6	17775.000	23.97	26.63	50.60	74.00	-23.40	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 14.4V



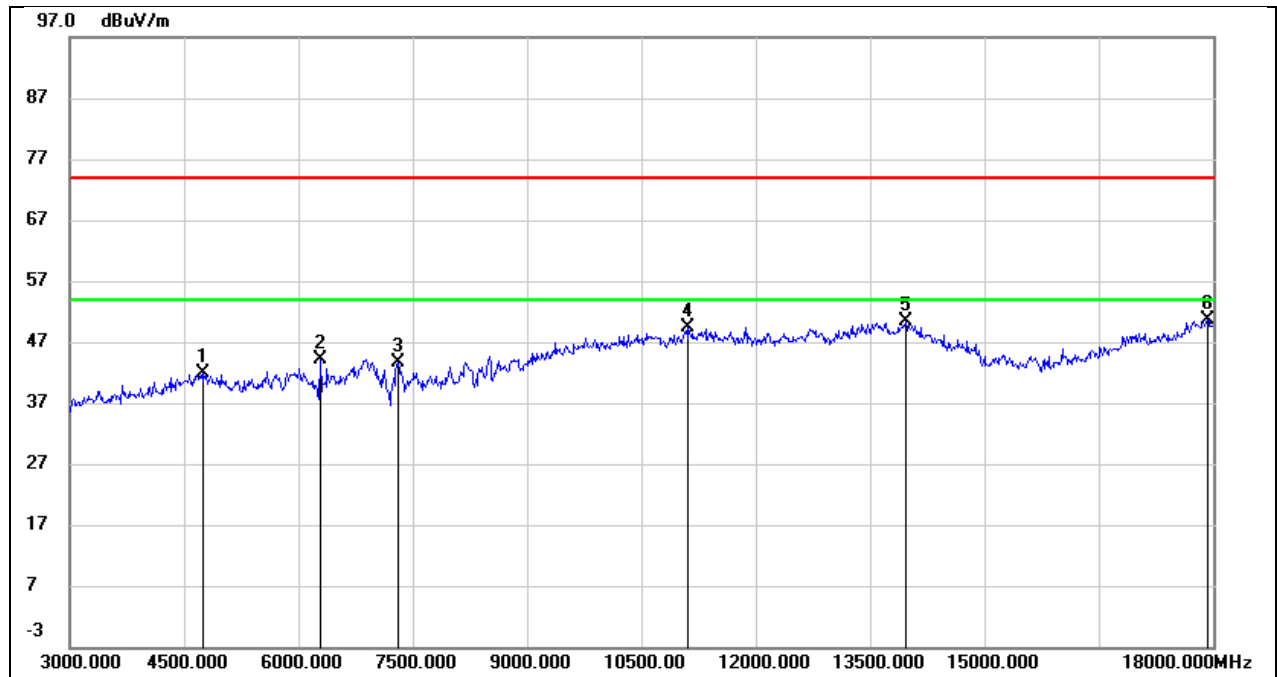
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4710.000	42.06	0.30	42.36	74.00	-31.64	peak
2	6870.000	39.21	6.12	45.33	74.00	-28.67	peak
3	10860.000	33.74	15.63	49.37	74.00	-24.63	peak
4	12735.000	30.18	19.94	50.12	74.00	-23.88	peak
5	13965.000	26.74	23.96	50.70	74.00	-23.30	peak
6	17880.000	22.96	27.49	50.45	74.00	-23.55	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 14.4V



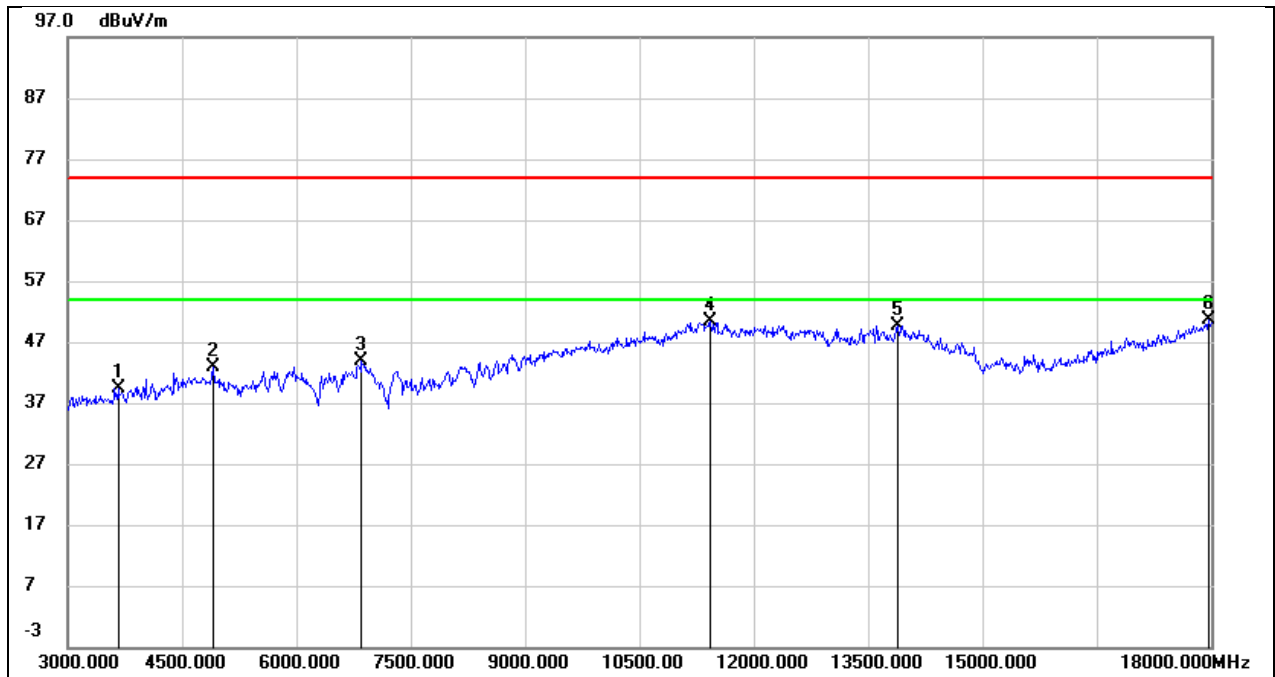
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	42.34	0.75	43.09	74.00	-30.91	peak
2	6975.000	38.08	6.39	44.47	74.00	-29.53	peak
3	10080.000	33.18	13.30	46.48	74.00	-27.52	peak
4	11445.000	33.02	17.56	50.58	74.00	-23.42	peak
5	13620.000	27.45	23.03	50.48	74.00	-23.52	peak
6	17790.000	24.30	26.72	51.02	74.00	-22.98	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4755.000	41.35	0.44	41.79	74.00	-32.21	peak
2	6285.000	40.07	4.07	44.14	74.00	-29.86	peak
3	7305.000	36.64	6.88	43.52	74.00	-30.48	peak
4	11115.000	32.39	16.88	49.27	74.00	-24.73	peak
5	13965.000	26.30	23.96	50.26	74.00	-23.74	peak
6	17925.000	22.87	27.87	50.74	74.00	-23.26	peak

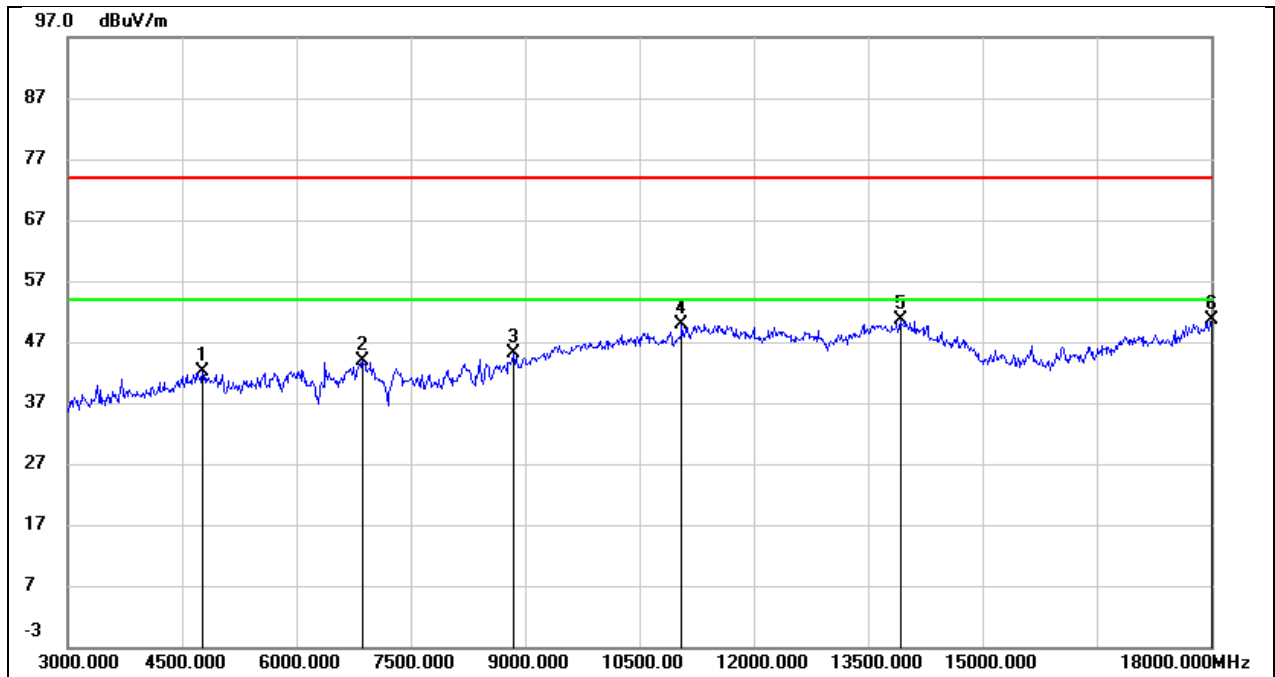
Test Mode:	802.11ax HE40	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3660.000	42.90	-3.40	39.50	74.00	-34.50	peak
2	4905.000	42.04	0.82	42.86	74.00	-31.14	peak
3	6855.000	37.73	6.08	43.81	74.00	-30.19	peak
4	11430.000	32.90	17.51	50.41	74.00	-23.59	peak
5	13890.000	26.05	23.64	49.69	74.00	-24.31	peak
6	17970.000	22.27	28.27	50.54	74.00	-23.46	peak



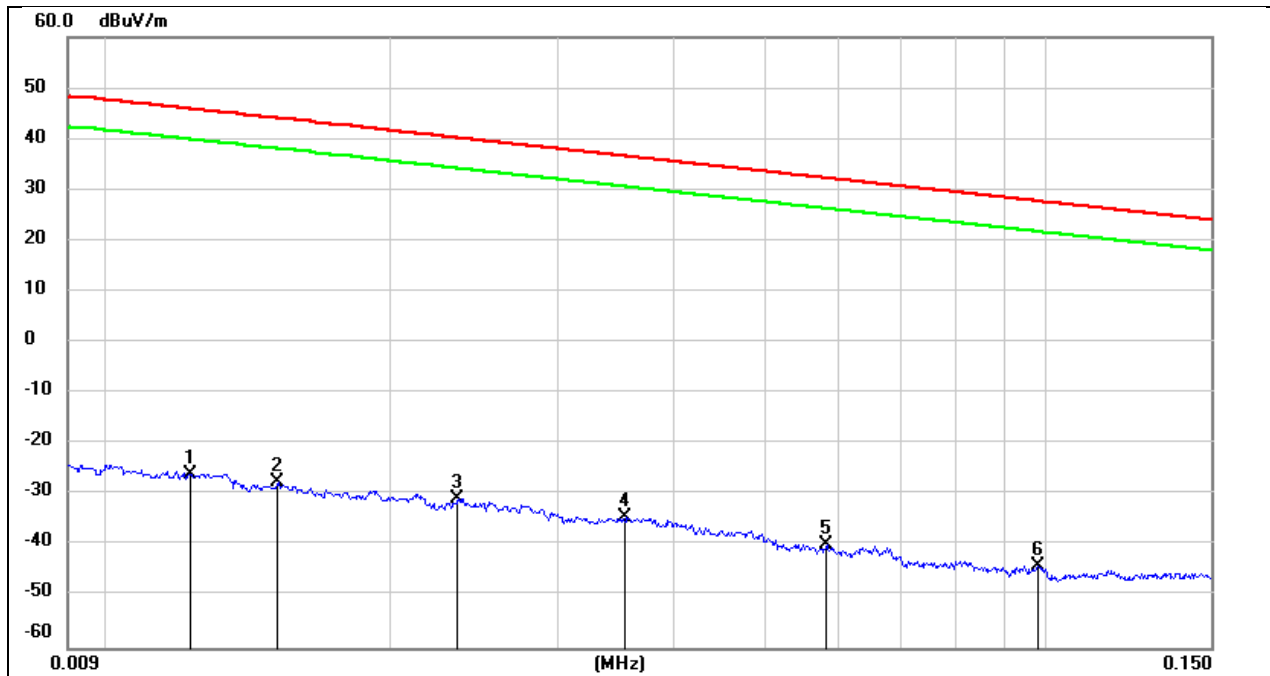
Test Mode:	802.11ax HE40	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4770.000	41.64	0.48	42.12	74.00	-31.88	peak
2	6870.000	37.75	6.12	43.87	74.00	-30.13	peak
3	8850.000	35.57	9.65	45.22	74.00	-28.78	peak
4	11055.000	33.21	16.60	49.81	74.00	-24.19	peak
5	13920.000	26.78	23.77	50.55	74.00	-23.45	peak
6	18000.000	22.14	28.54	50.68	74.00	-23.32	peak

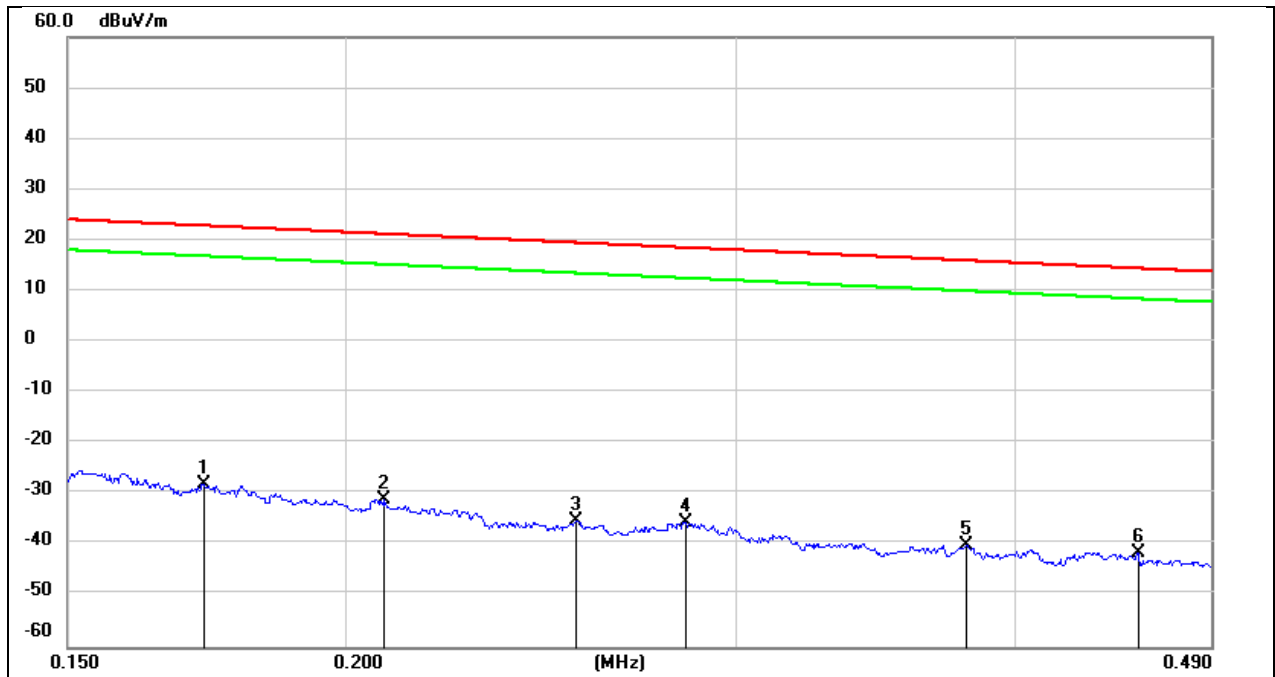
## 8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



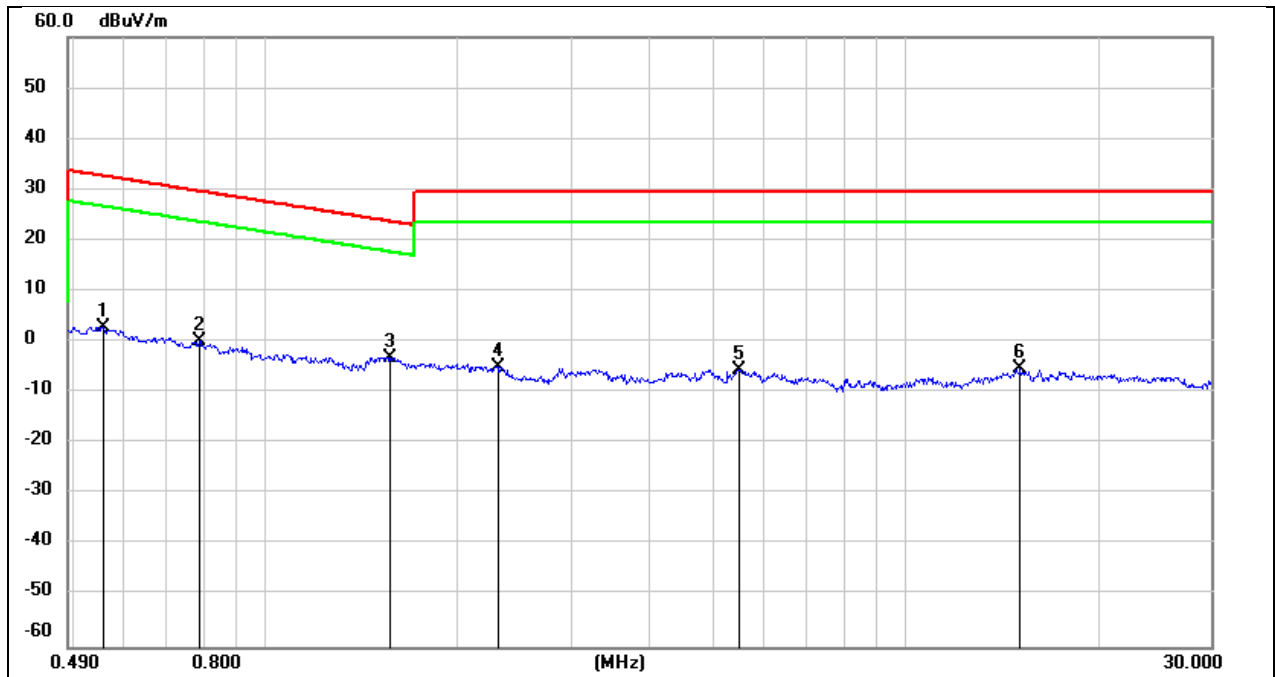
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.0122	75.50	-101.39	-25.89	45.87	-77.39	-5.63	-71.76	peak
2	0.0151	73.87	-101.37	-27.5	44.02	-79.00	-7.48	-71.52	peak
3	0.0235	70.61	-101.36	-30.75	40.18	-82.25	-11.32	-70.93	peak
4	0.0354	66.97	-101.41	-34.44	36.62	-85.94	-14.88	-71.06	peak
5	0.0582	61.76	-101.51	-39.75	32.3	-91.25	-19.20	-72.05	peak
6	0.0981	57.77	-101.78	-44.01	27.77	-95.51	-23.73	-71.78	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.1728	73.50	-101.67	-28.17	22.86	-79.67	-28.64	-51.03	peak
2	0.2081	70.62	-101.73	-31.11	21.23	-82.61	-30.27	-52.34	peak
3	0.2535	66.64	-101.80	-35.16	19.52	-86.66	-31.98	-54.68	peak
4	0.2846	66.29	-101.83	-35.54	18.52	-87.04	-32.98	-54.06	peak
5	0.3805	61.99	-101.94	-39.95	15.99	-91.45	-35.51	-55.94	peak
6	0.4546	60.53	-102.02	-41.49	14.45	-92.99	-37.05	-55.94	peak

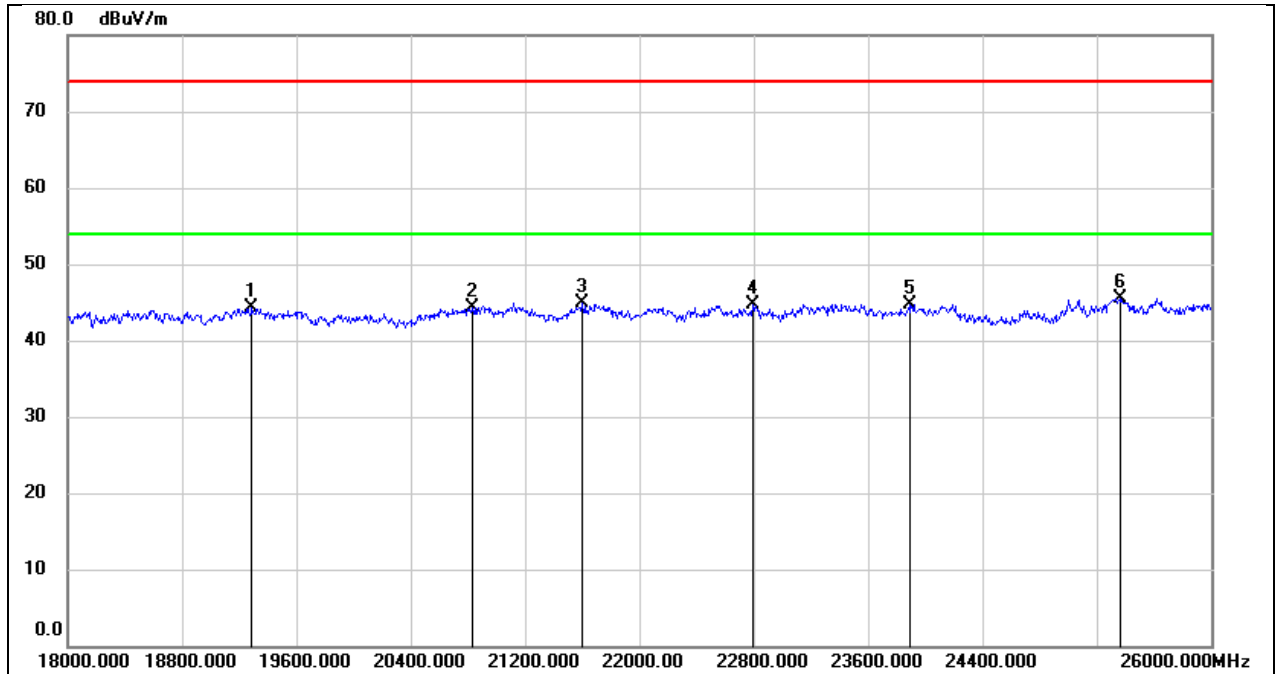
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.5564	64.85	-62.08	2.77	32.7	-48.73	-18.80	-29.93	peak
2	0.7861	62.33	-62.14	0.19	29.69	-51.31	-21.81	-29.50	peak
3	1.5625	58.96	-62.02	-3.06	23.73	-54.56	-27.77	-26.79	peak
4	2.3017	56.91	-61.75	-4.84	29.54	-56.34	-21.96	-34.38	peak
5	5.5066	55.89	-61.42	-5.53	29.54	-57.03	-21.96	-35.07	peak
6	15.0975	55.66	-61.02	-5.36	29.54	-56.86	-21.96	-34.90	peak

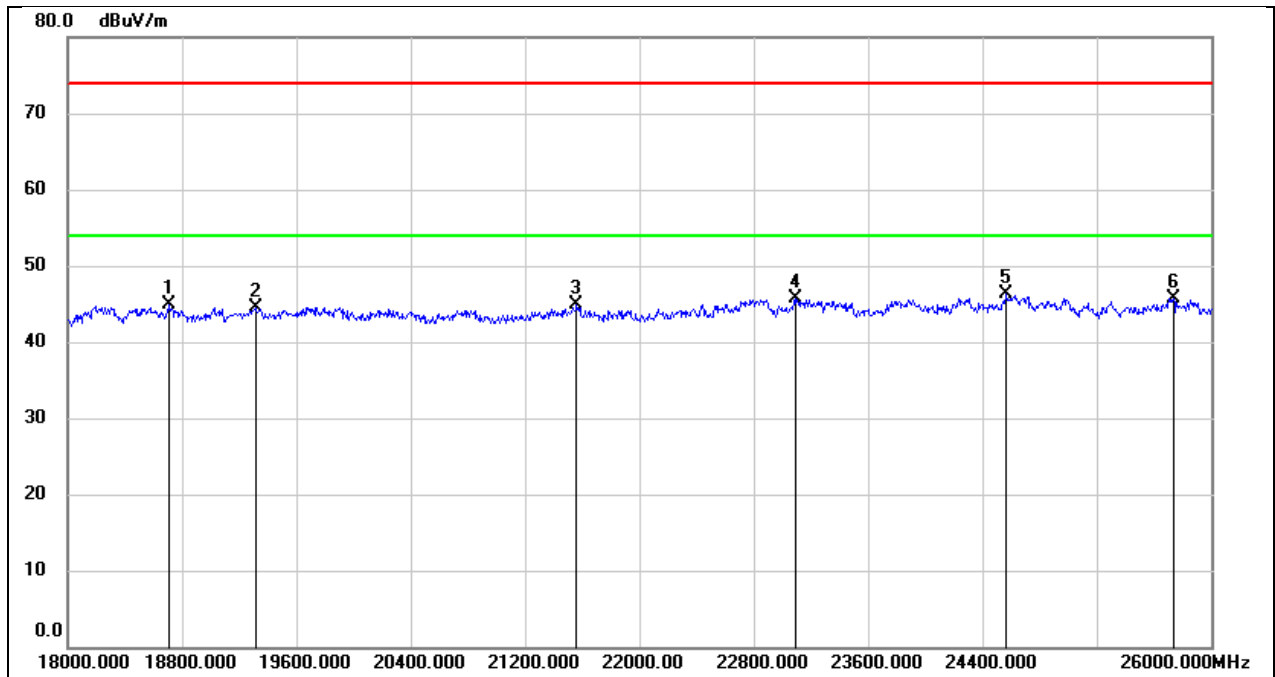
## 8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19288.000	49.87	-5.58	44.29	74.00	-29.71	peak
2	20832.000	49.35	-5.04	44.31	74.00	-29.69	peak
3	21600.000	49.52	-4.54	44.98	74.00	-29.02	peak
4	22792.000	48.35	-3.65	44.70	74.00	-29.30	peak
5	23896.000	47.61	-2.93	44.68	74.00	-29.32	peak
6	25360.000	47.18	-1.72	45.46	74.00	-28.54	peak

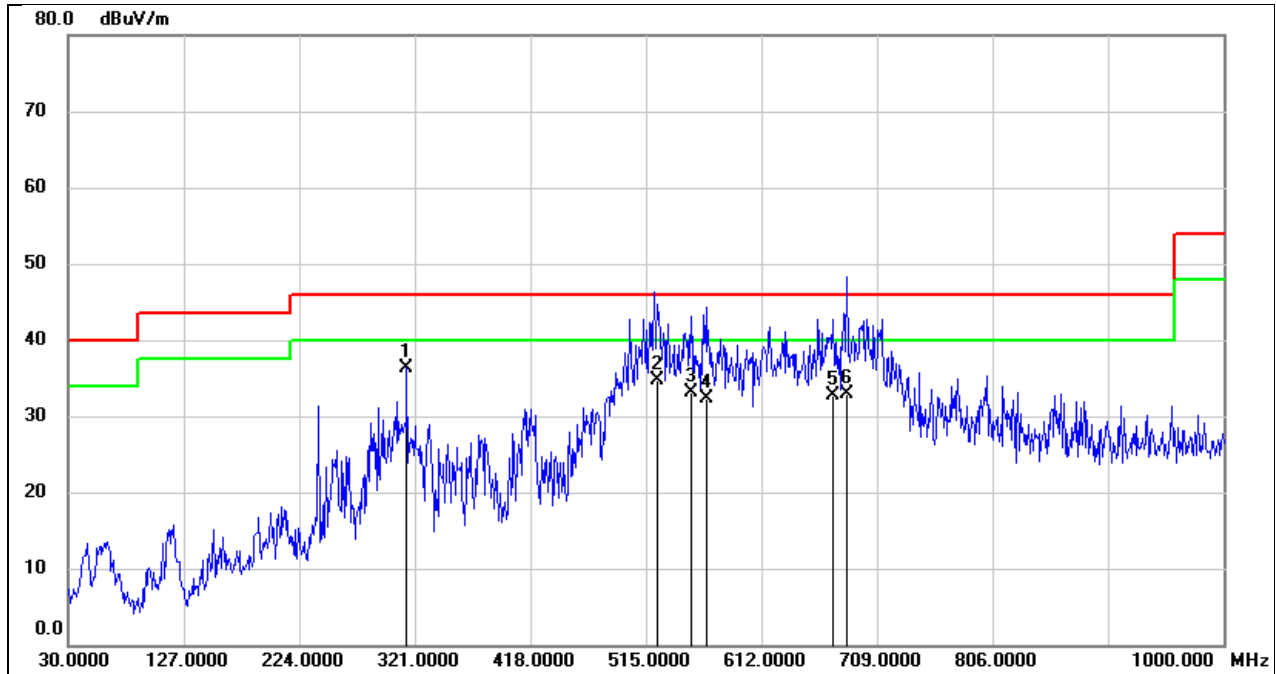
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18712.000	50.40	-5.40	45.00	74.00	-29.00	peak
2	19312.000	50.05	-5.57	44.48	74.00	-29.52	peak
3	21560.000	49.49	-4.60	44.89	74.00	-29.11	peak
4	23088.000	49.02	-3.41	45.61	74.00	-28.39	peak
5	24568.000	48.60	-2.33	46.27	74.00	-27.73	peak
6	25736.000	46.44	-0.68	45.76	74.00	-28.24	peak

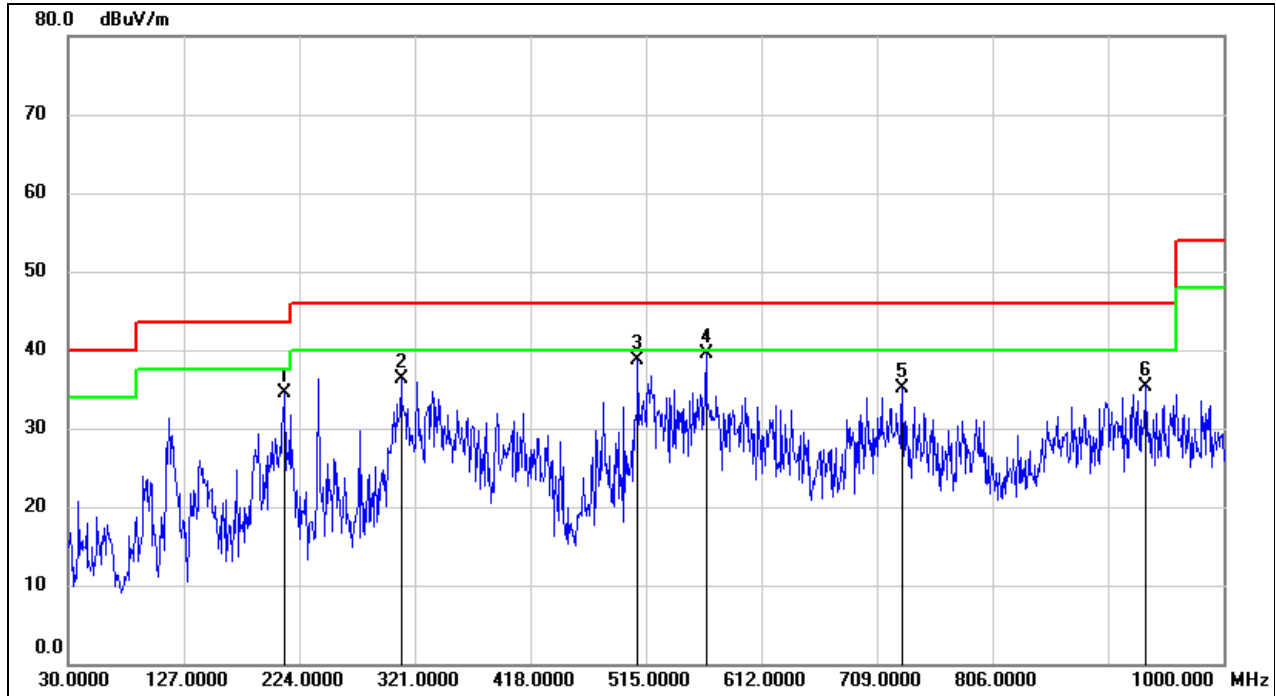
## 8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	314.2100	47.33	-10.95	36.38	46.00	-9.62	QP
2	524.7000	41.97	-7.36	34.61	46.00	-11.39	QP
3	552.8300	40.16	-6.97	33.19	46.00	-12.81	QP
4	565.4400	38.89	-6.63	32.26	46.00	-13.74	QP
5	672.1400	37.70	-4.98	32.72	46.00	-13.28	QP
6	683.7800	37.64	-4.66	32.98	46.00	-13.02	QP

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 14.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	211.3900	47.17	-12.75	34.42	43.50	-9.08	QP
2	309.3599	47.54	-11.14	36.40	46.00	-9.60	QP
3	508.2100	46.31	-7.58	38.73	46.00	-7.27	QP
4	565.4400	46.23	-6.63	39.60	46.00	-6.40	QP
5	730.3400	38.91	-3.81	35.10	46.00	-10.90	QP
6	935.0100	36.11	-0.71	35.40	46.00	-10.60	QP



## 9. ANTENNA REQUIREMENT

### REQUIREMENT

Please refer to FCC part 15.203

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 shall be considered sufficient to comply with the provisions of this section. 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.

Please refer to FCC part 15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### DESCRIPTION

Pass

## 10. AC POWER LINE CONDUCTED EMISSION

### LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISSED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

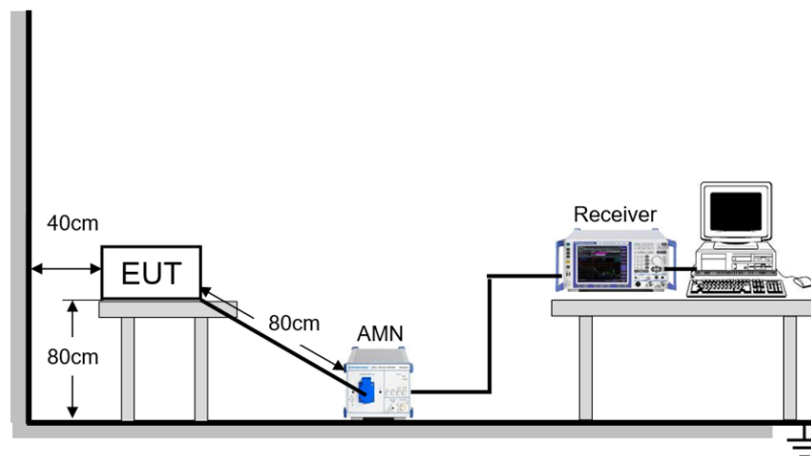
\*Decreases with the logarithm of the frequency.

### TEST PROCEDURE

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

### TEST SETUP



### TEST ENVIRONMENT

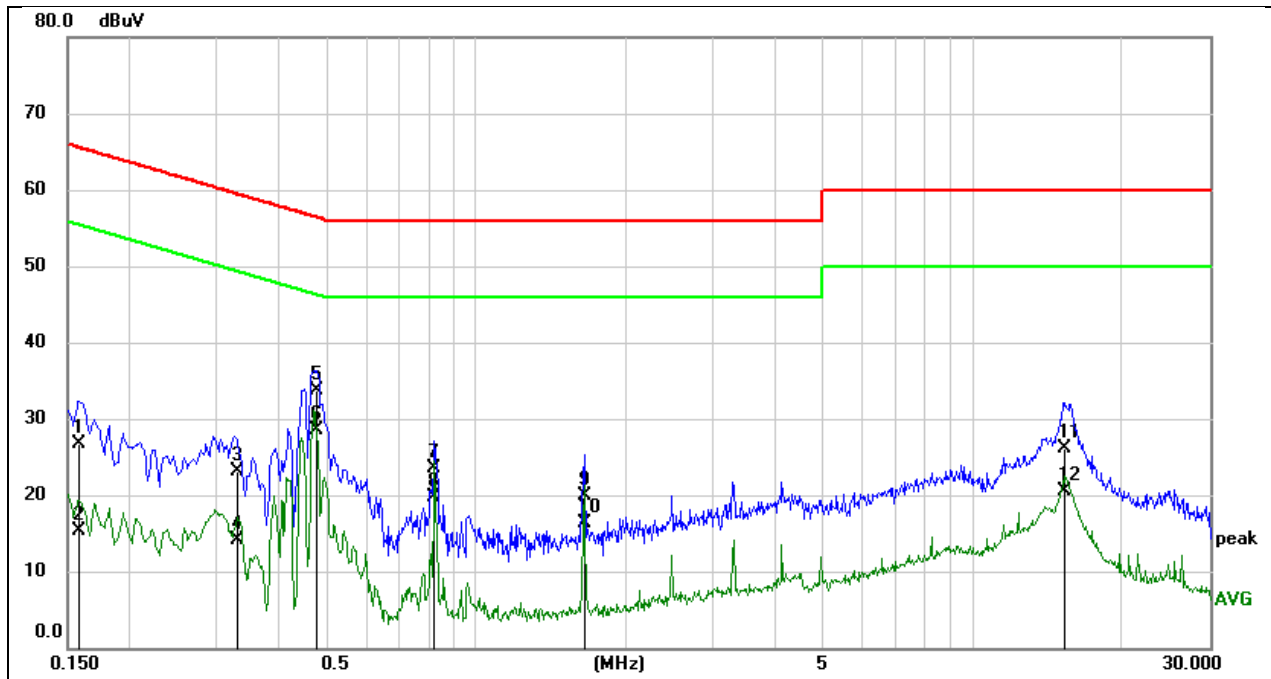
Temperature	24.2°C	Relative Humidity	57.7%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V_60Hz

### TEST DATE / ENGINEER

Test Date	August 12, 2025	Test By	Deacon Tan
-----------	-----------------	---------	------------

### TEST RESULTS

Test Mode:	802.11b	Frequency(MHz):	2412
Line:	Line		



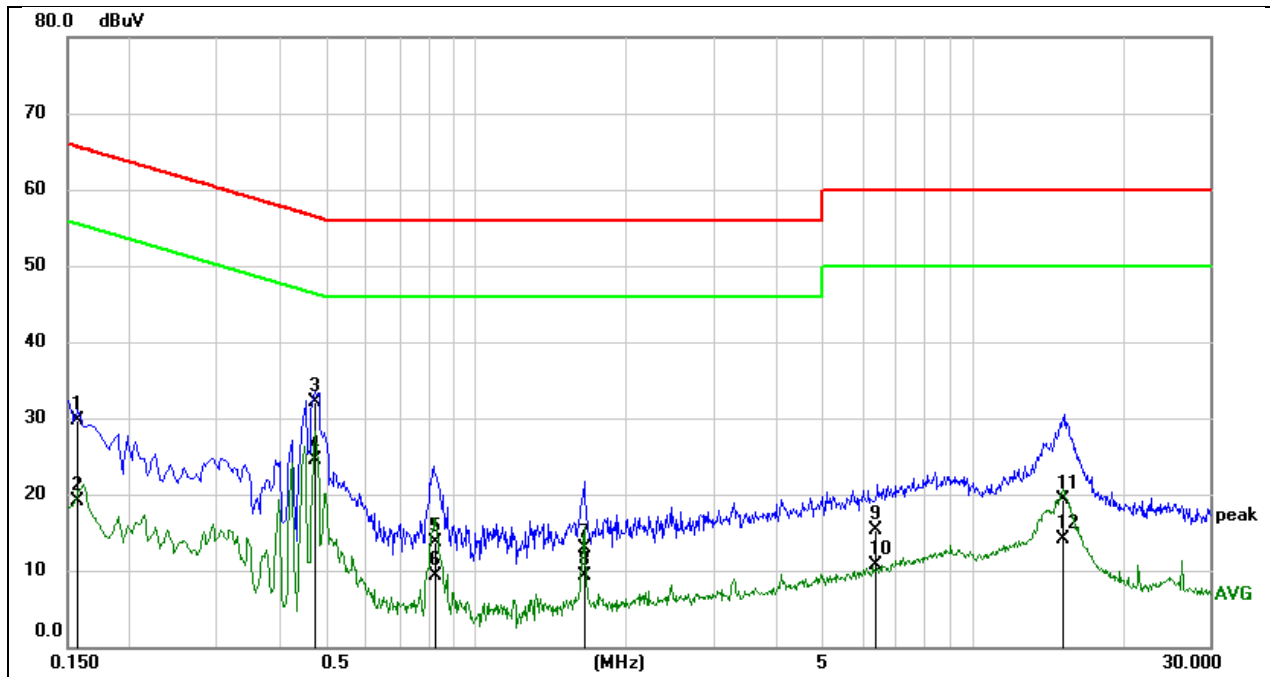
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1587	16.92	9.72	26.64	65.53	-38.89	QP
2	0.1587	5.54	9.72	15.26	55.53	-40.27	AVG
3	0.3305	13.40	9.64	23.04	59.44	-36.40	QP
4	0.3305	4.46	9.64	14.10	49.44	-35.34	AVG
5	0.4759	23.98	9.64	33.62	56.41	-22.79	QP
6	0.4759	18.96	9.64	28.60	46.41	-17.81	AVG
7	0.8235	13.92	9.63	23.55	56.00	-32.45	QP
8	0.8235	10.12	9.63	19.75	46.00	-26.25	AVG
9	1.6474	10.28	9.70	19.98	56.00	-36.02	QP
10	1.6474	6.63	9.70	16.33	46.00	-29.67	AVG
11	15.3641	16.36	9.74	26.10	60.00	-33.90	QP
12	15.3641	10.79	9.74	20.53	50.00	-29.47	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

Test Mode:	802.11b	Frequency(MHz):	2412
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1558	20.13	9.64	29.77	65.68	-35.91	QP
2	0.1558	9.42	9.64	19.06	55.68	-36.62	AVG
3	0.4724	22.51	9.64	32.15	56.47	-24.32	QP
4	0.4724	14.82	9.64	24.46	46.47	-22.01	AVG
5	0.8301	3.98	9.63	13.61	56.00	-42.39	QP
6	0.8301	-0.33	9.63	9.30	46.00	-36.70	AVG
7	1.6614	3.32	9.64	12.96	56.00	-43.04	QP
8	1.6614	-0.33	9.64	9.31	46.00	-36.69	AVG
9	6.3425	5.53	9.71	15.24	60.00	-44.76	QP
10	6.3425	1.08	9.71	10.79	50.00	-39.21	AVG
11	15.2361	9.52	9.74	19.26	60.00	-40.74	QP
12	15.2361	4.37	9.74	14.11	50.00	-35.89	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

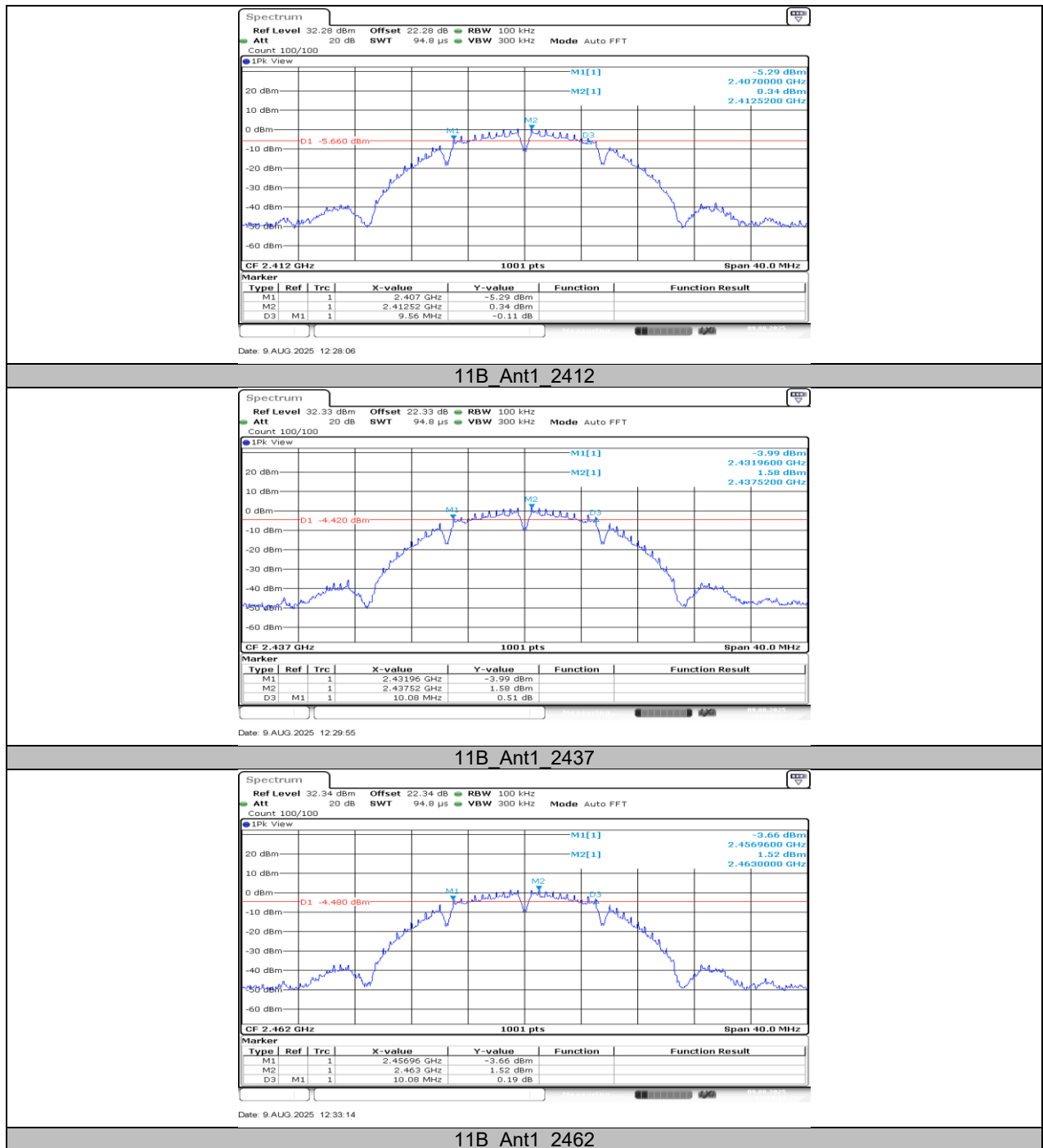
## 11. TEST DATA

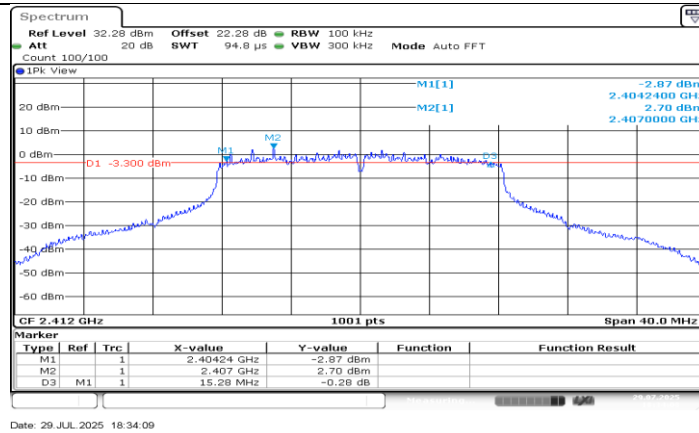
### 11.1. APPENDIX A: DTS BANDWIDTH

#### 11.1.1. Test Result

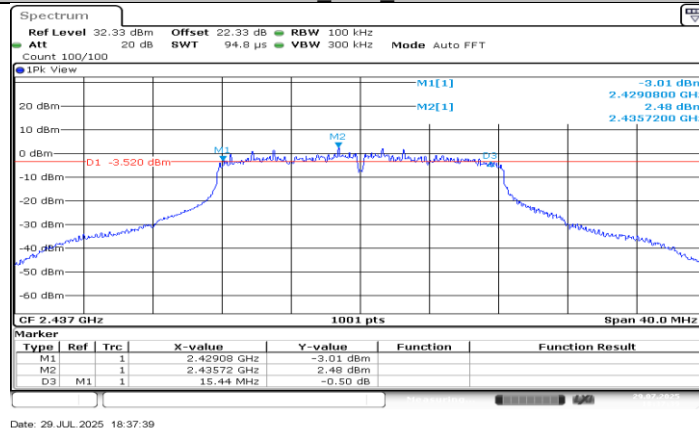
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.56	2407.00	2416.56	≥0.5	PASS
		2437	10.08	2431.96	2442.04	≥0.5	PASS
		2462	10.08	2456.96	2467.04	≥0.5	PASS
11G	Ant1	2412	15.28	2404.24	2419.52	≥0.5	PASS
		2437	15.44	2429.08	2444.52	≥0.5	PASS
		2462	15.12	2454.44	2469.56	≥0.5	PASS
11N20SISO	Ant1	2412	16.28	2403.88	2420.16	≥0.5	PASS
		2437	17.60	2428.20	2445.80	≥0.5	PASS
		2462	16.00	2454.12	2470.12	≥0.5	PASS
11N40SISO	Ant1	2422	35.12	2404.48	2439.60	≥0.5	PASS
		2437	35.12	2419.48	2454.60	≥0.5	PASS
		2452	35.04	2434.48	2469.52	≥0.5	PASS
11AX20SISO	Ant1	2412	14.44	2404.08	2418.52	≥0.5	PASS
		2437	18.08	2427.76	2445.84	≥0.5	PASS
		2462	14.28	2455.28	2469.56	≥0.5	PASS
11AX40SISO	Ant1	2422	35.44	2404.16	2439.60	≥0.5	PASS
		2437	36.32	2418.28	2454.60	≥0.5	PASS
		2452	35.92	2433.68	2469.60	≥0.5	PASS

## 11.1.2. Test Graphs

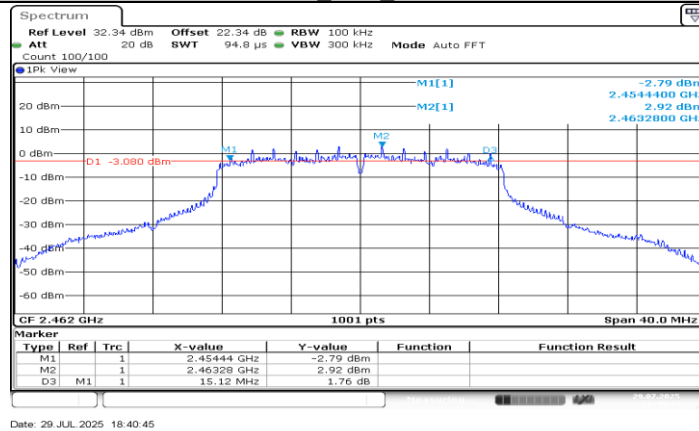




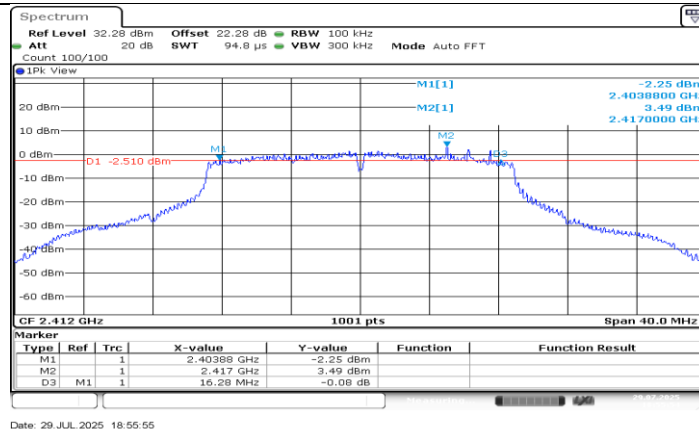
11G\_Ant1\_2412



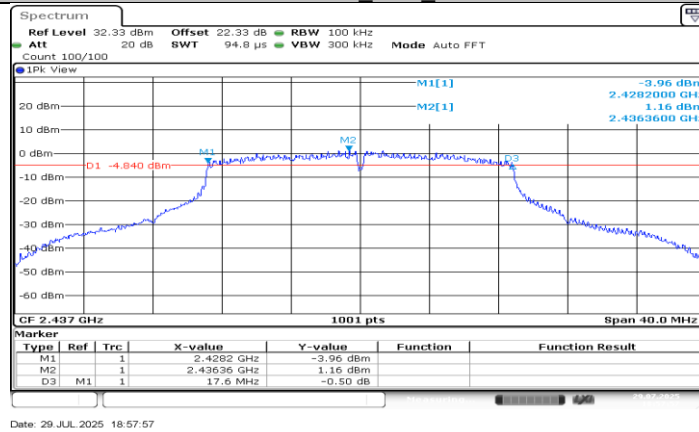
11G\_Ant1\_2437



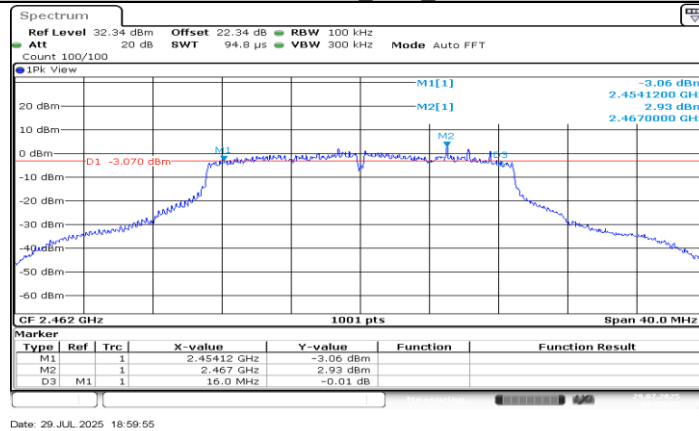
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412

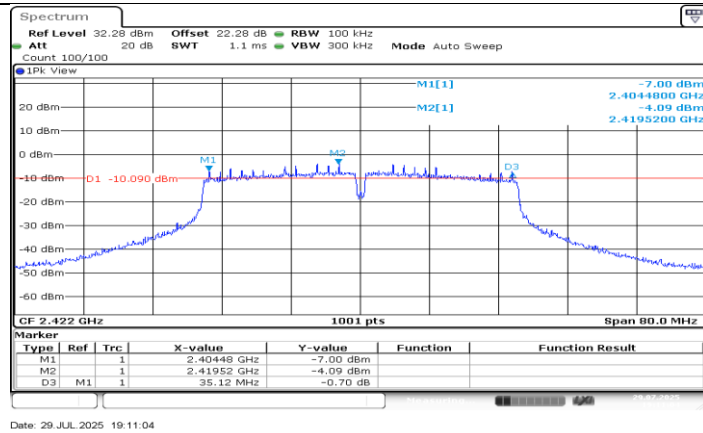


11N20SISO\_Ant1\_2437

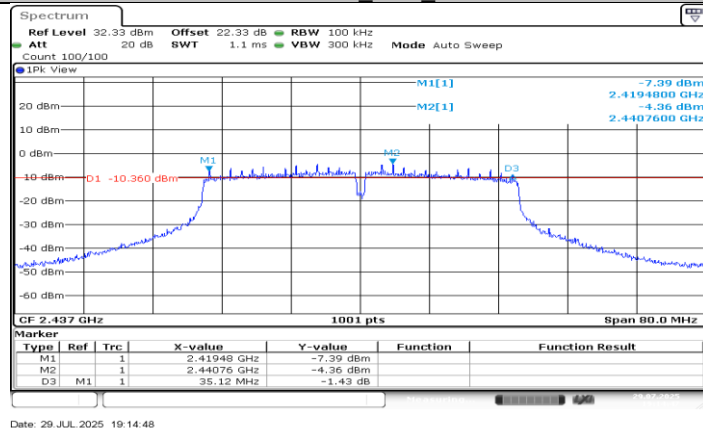


11N20SISO\_Ant1\_2462

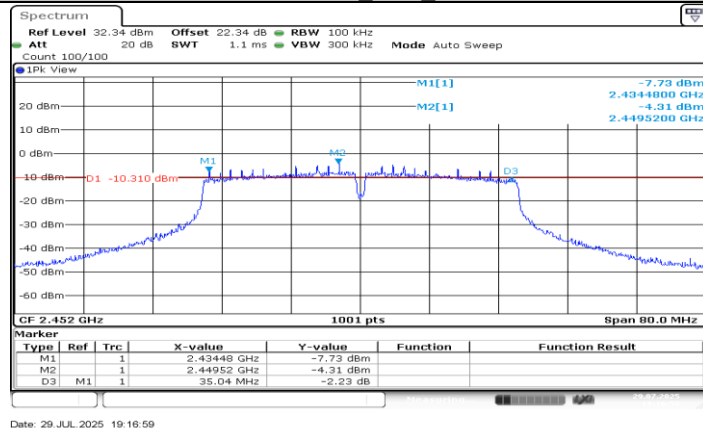




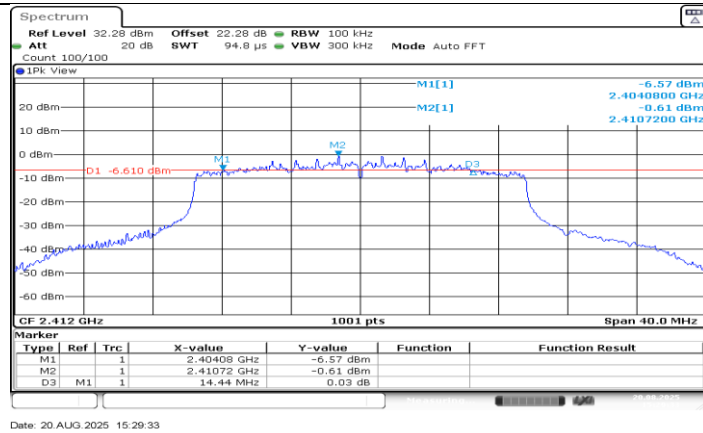
11N40SISO\_Ant1\_2422



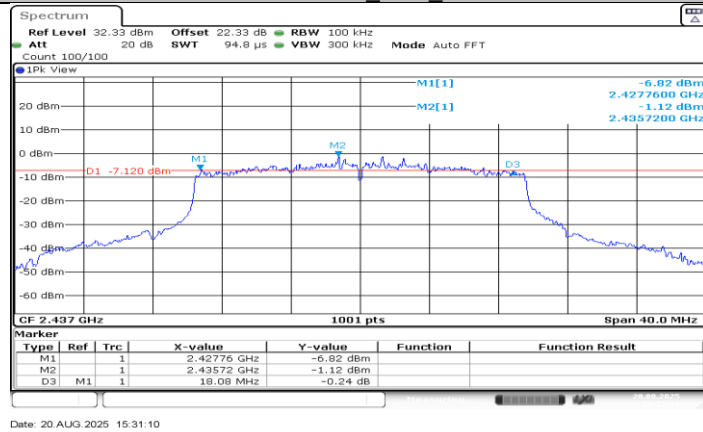
11N40SISO\_Ant1\_2437



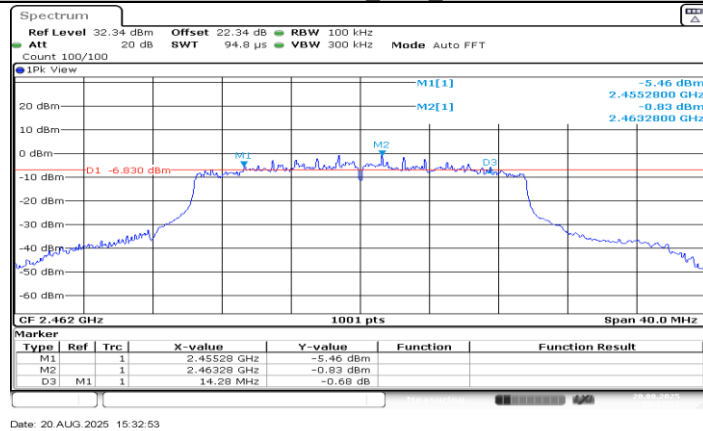
11N40SISO\_Ant1\_2452



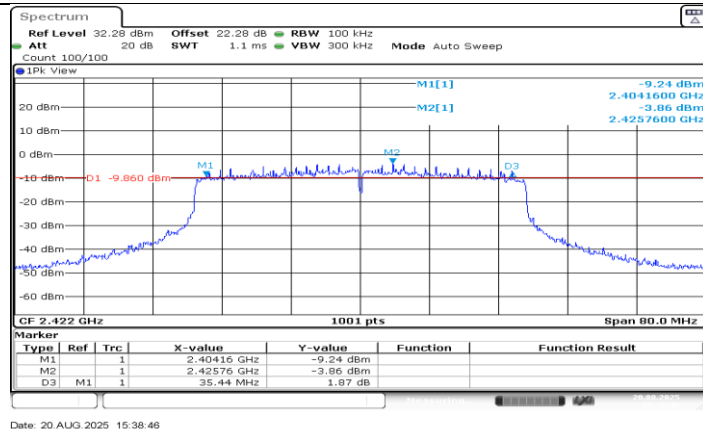
### 11AX20SISO\_Ant1\_2412



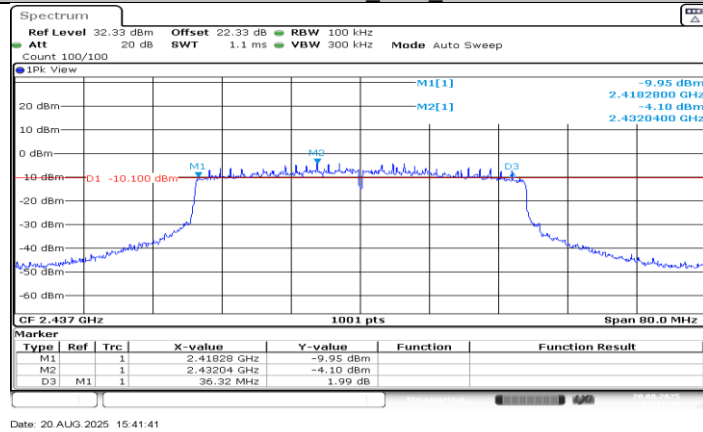
### 11AX20SISO\_Ant1\_2437



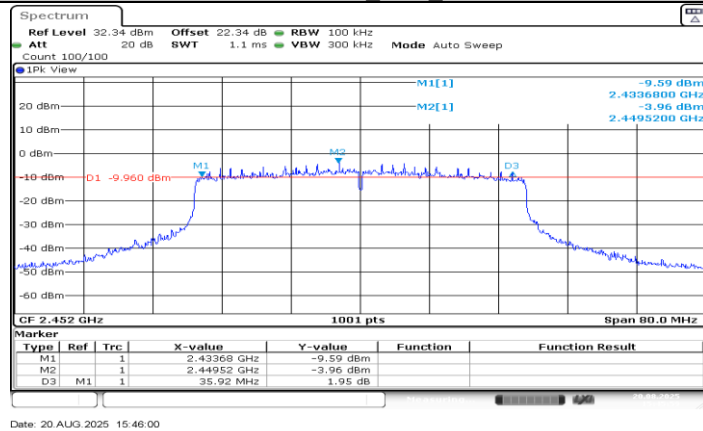
### 11AX20SISO\_Ant1\_2462



11AX40SISO\_Ant1\_2422



11AX40SISO\_Ant1\_2437



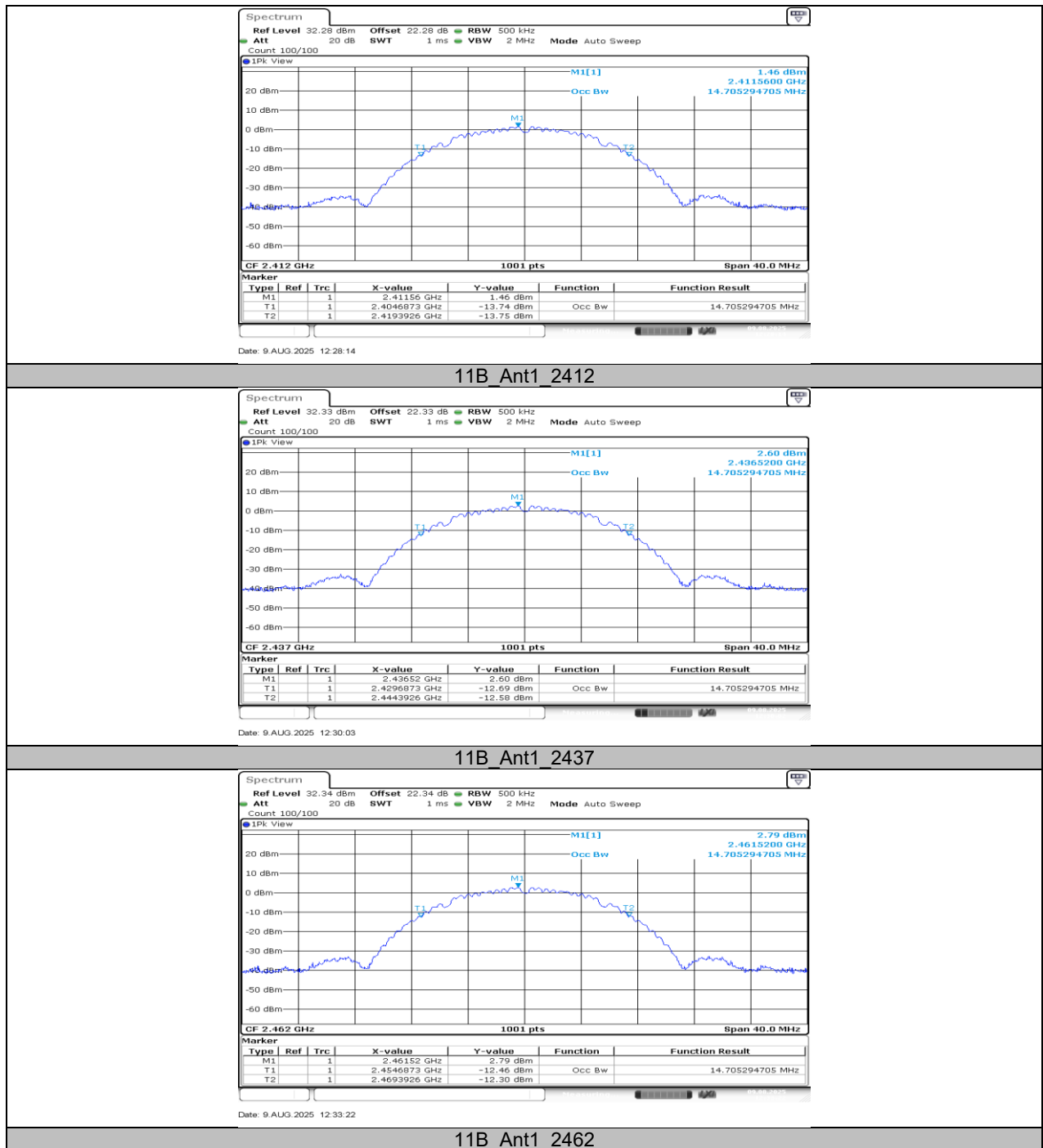
11AX40SISO\_Ant1\_2452

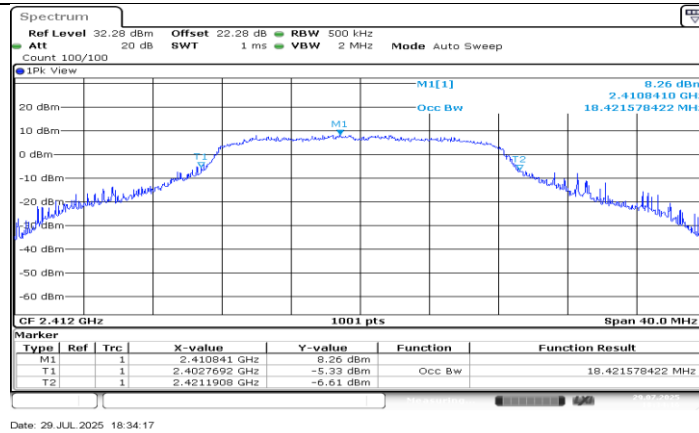
## 11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

### 11.2.1. Test Result

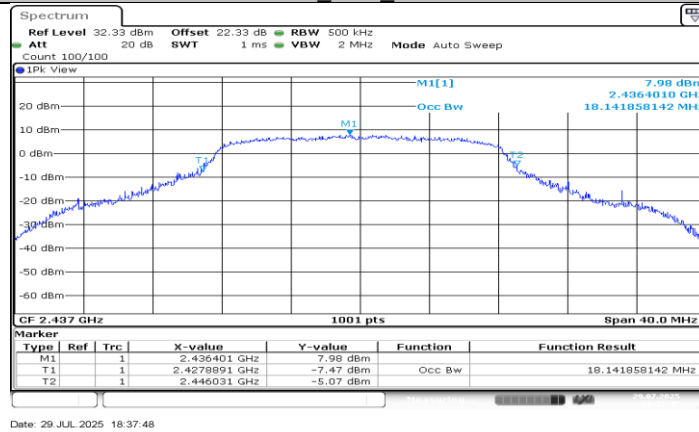
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11B	Ant1	2412	14.705	2404.6873	2419.3926	PASS
		2437	14.705	2429.6873	2444.3926	PASS
		2462	14.705	2454.6873	2469.3926	PASS
11G	Ant1	2412	18.422	2402.7692	2421.1908	PASS
		2437	18.142	2427.8891	2446.0310	PASS
		2462	18.142	2452.8891	2471.0310	PASS
11N20SISO	Ant1	2412	19.261	2402.3696	2421.6304	PASS
		2437	19.5	2427.2098	2446.7103	PASS
		2462	19.5	2452.2098	2471.7103	PASS
11N40SISO	Ant1	2422	38.202	2402.8192	2441.0210	PASS
		2437	38.282	2417.7393	2456.0210	PASS
		2452	38.362	2432.6593	2471.0210	PASS
11AX20SISO	Ant1	2412	19.54	2402.2498	2421.7902	PASS
		2437	19.5	2427.2498	2446.7502	PASS
		2462	19.54	2452.2098	2471.7502	PASS
11AX40SISO	Ant1	2422	38.601	2402.6593	2441.2607	PASS
		2437	38.601	2417.6593	2456.2607	PASS
		2452	38.521	2432.7393	2471.2607	PASS

## 11.2.2. Test Graphs

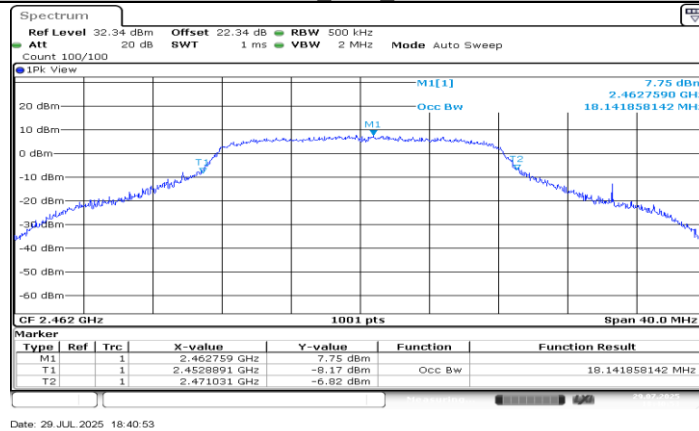




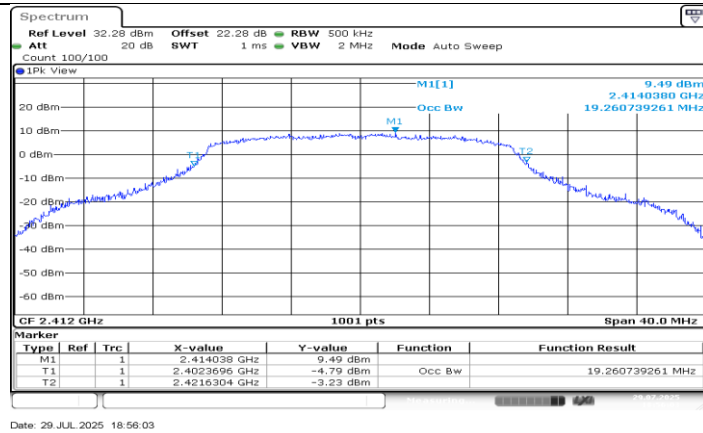
11G\_Ant1\_2412



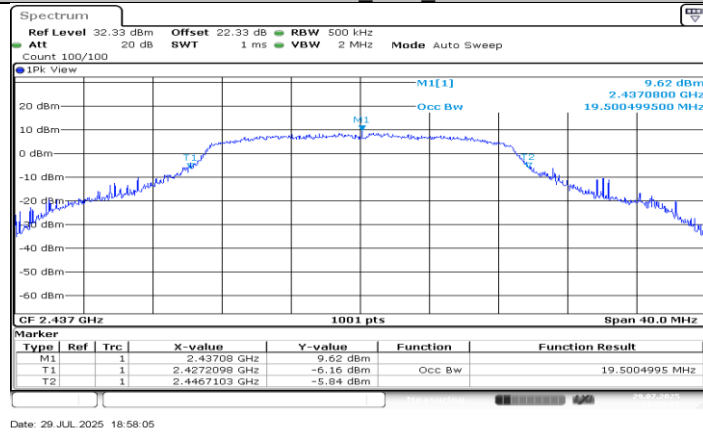
11G\_Ant1\_2437



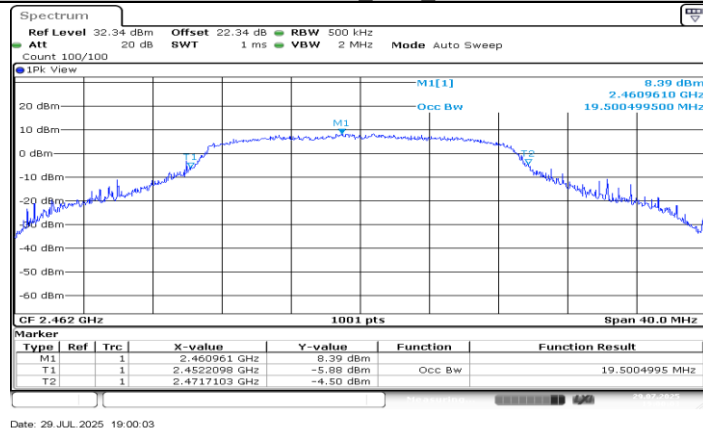
11G\_Ant1\_2462



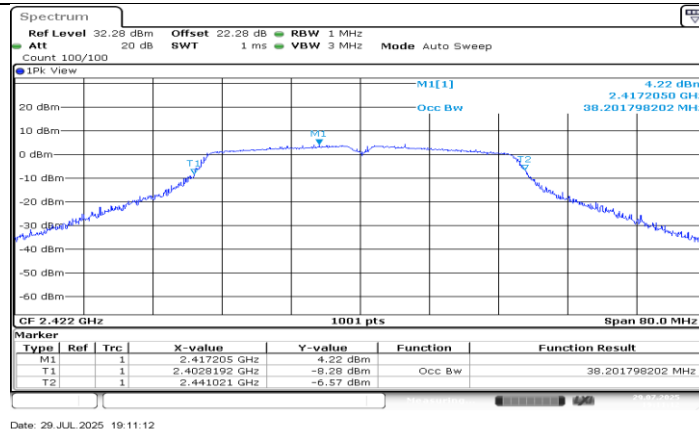
11N20SISO\_Ant1\_2412



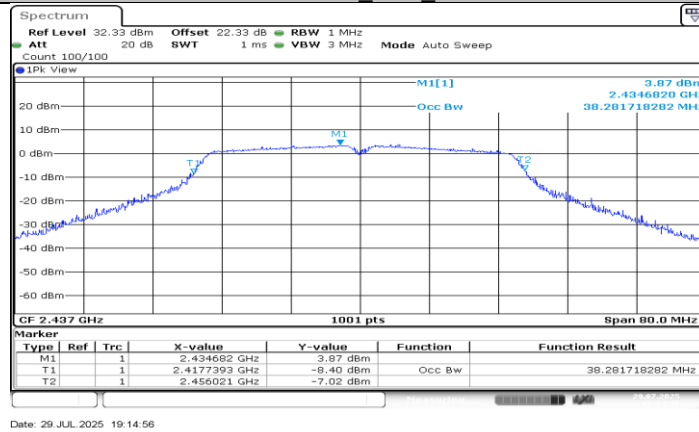
11N20SISO\_Ant1\_2437



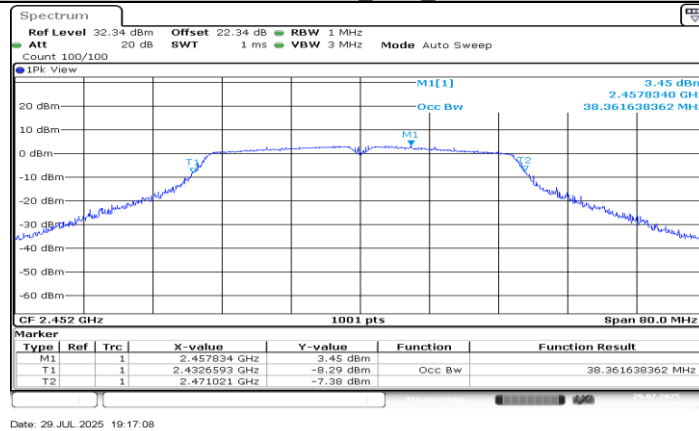
11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422

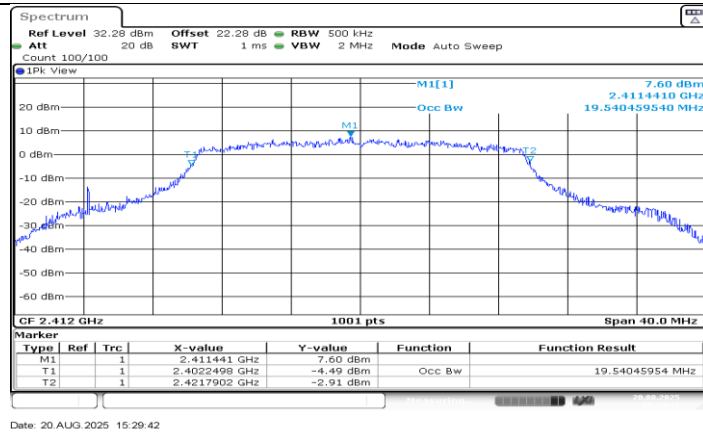


11N40SISO\_Ant1\_2437

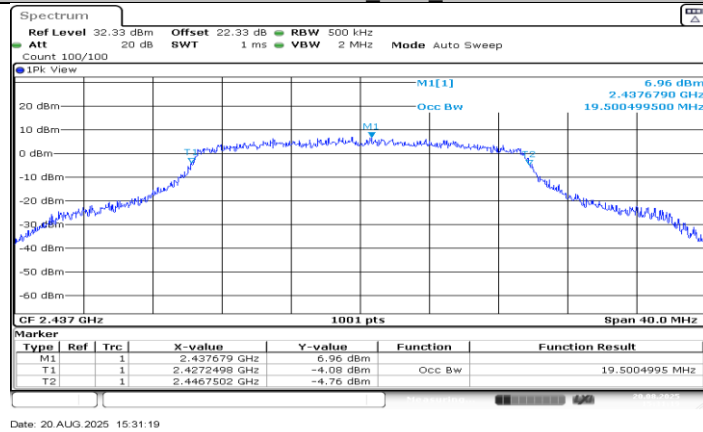


11N40SISO\_Ant1\_2452

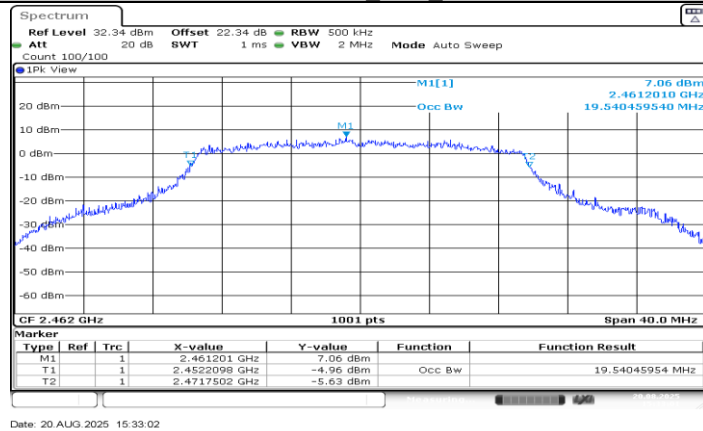




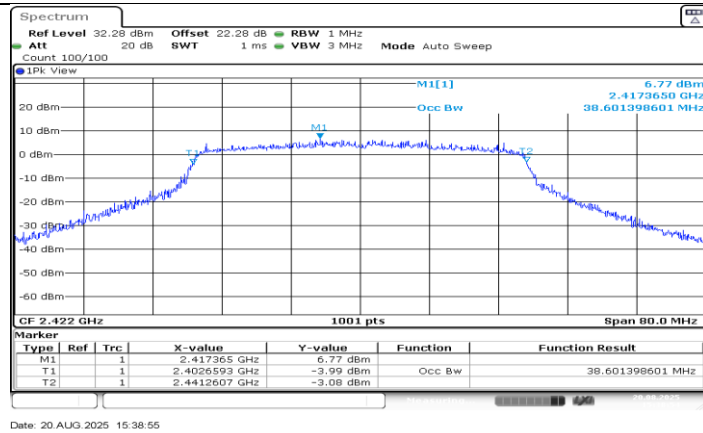
11AX20SISO\_Ant1\_2412



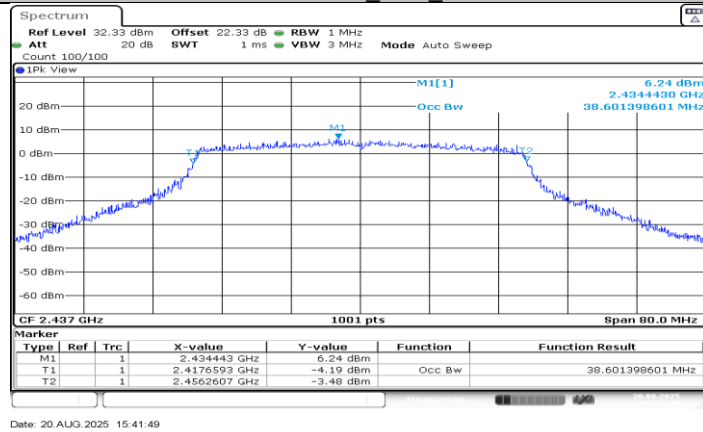
11AX20SISO\_Ant1\_2437



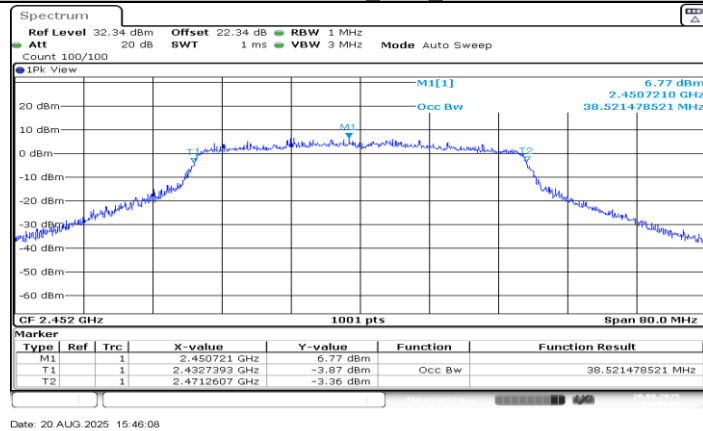
11AX20SISO\_Ant1\_2462



11AX40SISO\_Ant1\_2422



11AX40SISO\_Ant1\_2437



11AX40SISO\_Ant1\_2452