

**CFR 47 FCC PART 15 SUBPART C**

**TEST REPORT**

*For*

**DJI Mini 5 Pro**

**MODEL NUMBER: MT5MFND**

**REPORT NUMBER: 4791691684-1-RF-2**

**ISSUE DATE: May 13, 2025**

**FCC ID: SS3-MT5MFND25**

*Prepared for*

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## Revision History

Rev.	Issue Date	Revisions	Revised By
V0	May 13, 2025	Initial Issue	

### Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2013, Clause 6.2	FCC Part 15.207	Pass
Conducted Output Power	ANSI C63.10-2013, Clause 11.9.2.3.1	FCC Part 15.247 (b)(3)	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2013, Clause 11.8.1	FCC Part 15.247 (a)(2)	Pass
Power Spectral Density	ANSI C63.10-2013, Clause 11.10.5	FCC Part 15.247 (e)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2013, Clause 11.11	FCC Part 15.247(d)	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	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> when <Simple Acceptance> decision rule is applied.

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# 1. ATTESTATION OF TEST RESULTS

## Applicant Information

Company Name: SZ DJI TECHNOLOGY CO., LTD.  
Address: Lobby of T2, DJI Sky City, No 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China

## Manufacturer Information

Company Name: SZ DJI TECHNOLOGY CO., LTD.  
Address: Lobby of T2, DJI Sky City, No 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China

## EUT Information

EUT Name: DJI Mini 5 Pro  
Model: MT5MFND  
Brand: DJI  
Sample Received Date: February 28, 2025  
Sample Status: Normal  
Sample ID: 8217836  
Date of Tested: March 10, 2025 to May 13, 2025

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	Pass

Prepared By:



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## 2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C, 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.

## 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>
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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	DJI Mini 5 Pro
Model	MT5MFND

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
Battery	DC 7V/7.16V
Power Supply	DC 5V/9V/12V

Note: All power supply modes have been pre-scanned, only the worst data was recorded in the report.

### 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)
b	2412 ~ 2462	1-11[11]	18.98
g	2412 ~ 2462	1-11[11]	17.45
n HT20	2412 ~ 2462	1-11[11]	16.50
n HT40	2422 ~ 2452	3-9[7]	15.83
ax HE20	2412 ~ 2462	1-11[11]	17.34
ax HE40	2422 ~ 2452	3-9[7]	17.42

#### 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 Worst Case Power Setting Parameter under 2400 ~ 2483.5MHz Band							
Test Software		DjiSdrConsole-v2.2.8					
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&3	18	18	18	/		
802.11g	1&3	15	15	15			
802.11n HT20	1&3	14	14	14			
802.11n HT40	1&3	/			14	13	11
802.11ax HE20	1&3	15	15	14	/		
802.11ax HE40	1&3	/			15	15	13

### 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

All modes support SISO and MIMO mode.

All modes' SISO mode and MIMO mode have the same power setting, so only the worst case power mode(MIMO) will be record in the report.

802.11ax mode cannot support partial RU mode and only support full RU mode.

The EUT has 4 separate antennas which correspond to 4 separate antenna ports, core ANT 0, core ANT 1, core ANT 2, core ANT 3 correspond to antenna 0, antenna 1, antenna 2, antenna 3 respectively. Only Antenna 1 & Antenna 3 support WIFI. Only Antenna 3 support BLE. Antenna 0,1,2,3 support SRD. For SRD, the EUT support 1TX4RX and 2TX4RX mode. 1TX4RX and 2TX4RX have the same power setting, so only the worst data for 2TX4RX mode were recorded in the report. For 2T4R mode, antenna 0 and antenna 1/ antenna 0 and antenna 3/ antenna 1 and antenna 2/ antenna 2 and antenna 3 used as transmit antennas and all the 4 antennas can use as receive antennas, all the transmit combination(ANT0 and ANT1 / ANT0 and ANT3 / ANT1 and ANT2 / ANT2 and ANT3) had been tested, but only the worst data for ANT0 and ANT1 were recorded in the report.

The measured additional path loss was included in any path loss calculations for all RF cable used during tested.

Conducted output power, power spectral density tests separately on each port with all supported SISO & MIMO port combinations.

Conducted bandedge and spurious emissions tests were performed with SISO mode, as this port was found to have the worst case in terms of power settings amongst all supported possible SISO & MIMO port combinations.

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

The EUT support Cyclic Shift Diversity(CDD), Space Time Coding(STBC), Spartial Division Multiplexing(SDM) modes. They use the same conducted power per chain in any given mode, so we only chose the worst case mode CDD for final testing.

## 5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412 ~ 2462	Dipole antenna	1
3	2412 ~ 2462	Dipole antenna	1

The EUT support Cyclic Shift Diversity(CDD) mode.

MIMO output power port and MIMO PSD port summing were performed in accordance with KDB 662911 D01. For the CDD results the Directional Gain was calculated in accordance with the following method.

For output power measurements:

Directional gain=  $G_{ANT} + \text{Array Gain} = 1 \text{ dBi}$

$G_{ANT}$  : equal to the gain of the antenna having the highest gain

Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \leq 4$

For power spectral density (PSD) measurements:

Directional gain=  $G_{ANT} + \text{Array Gain} = 4.01 \text{ dBi}$

Array Gain =  $10 \log(N_{ANT}/N_{SS}) \text{ dB}$ .

$N_{ANT}$  : number of transmit antennas

$N_{SS}$  : number of spatial streams, The worst case directional gain will occur when  $N_{SS} = 1$

Test Mode	Transmit and Receive Mode	Description
IEEE 802.11b	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1 and ANT 3 can be used as transmitting/receiving antenna.
IEEE 802.11g	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1 and ANT 3 can be used as transmitting/receiving antenna.
IEEE 802.11n HT20	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1 and ANT 3 can be used as transmitting/receiving antenna.
IEEE 802.11n HT40	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1 and ANT 3 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE20	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1 and ANT 3 can be used as transmitting/receiving antenna.
IEEE 802.11ax HE40	<input checked="" type="checkbox"/> 2TX, 2RX	ANT 1 and ANT 3 can be used as transmitting/receiving antenna.

Note: 1. The value of the antenna gain was declared by customer.

2. Only WIFI 2.4G & SRD 5G, BLE & SRD 5G, WIFI 5G & SRD 2.4G can transmit simultaneously.

## 5.7. SUPPORT UNITS FOR SYSTEM TEST

### SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	E14	/

### I/O CABLES

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

### ACCESSORIES

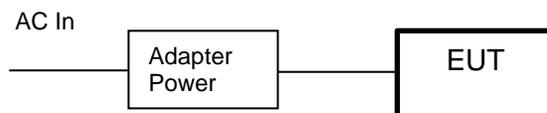
Item	Accessory	Brand Name	Model Name	Description
1	Lithium-ion Rechargeable Battery	DJI	BWXNN5-4680-7.16	Max Charge Voltage: 8.6V Normal Voltage: 7.16V
2	Lithium-ion Rechargeable Battery	DJI	BWXNN5-2788-7.0	Max Charge Voltage: 8.6V Normal Voltage: 7V
3	Adapter Power	DJI	PD-65CN	Input: AC 100 ~ 240 V, 50/60 Hz, 2.0 A Output: DC 5 V, 5 A/9 V, 5 A/12V, 5 A/15V, 4.3A/20V, 3.25A

### TEST SETUP

The EUT can work in engineering mode with a software through a laptop.

### SETUP DIAGRAM FOR TESTS

For AC Power Line Conducted Emission Test:



For Others Test:



## 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

<b>Other Instrument</b>					
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			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3)	AVG Output Power	1 watt or 30 dBm	2400-2483.5

#### TEST PROCEDURE

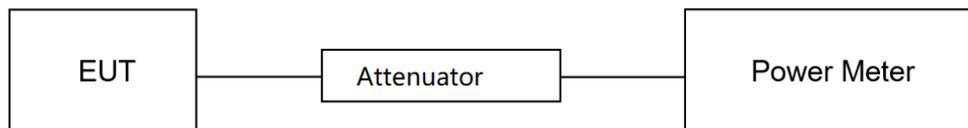
Refer to ANSI C63.10-2013 clause 11.9.2.3.1.

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	22.1°C	Relative Humidity	55.3%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V

#### TEST DATE / ENGINEER

Test Date	March 10, 2025	Test By	Walker Yuan
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#### 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			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(a)(2)	6 dB Bandwidth	≥ 500 kHz	2400-2483.5
ISED RSS-Gen Clause 6.7	99 % Occupied Bandwidth	For reporting purposes only.	2400-2483.5

### TEST PROCEDURE

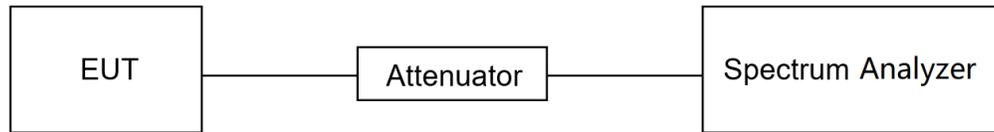
Refer to ANSI C63.10-2013 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

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: ≥3 × RBW For 99 % Occupied Bandwidth: ≥3 × 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	22.1 °C	Relative Humidity	55.3%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V

**TEST DATE / ENGINEER**

Test Date	March 10, 2025	Test By	Walker Yuan
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**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			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC §15.247 (e)	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.

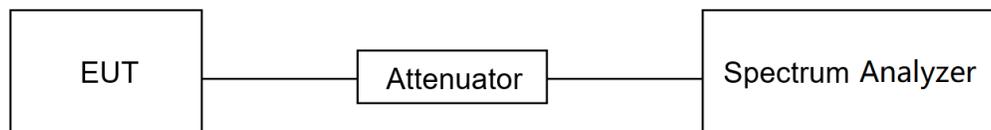
Connect the EUT to the spectrum analyzer and use the following settings:

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	22.1°C	Relative Humidity	55.3%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V

#### TEST DATE / ENGINEER

Test Date	March 10, 2025	Test By	Walker Yuan
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#### TEST RESULTS

Please refer to section "Test Data" - Appendix D

## 7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

### 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.

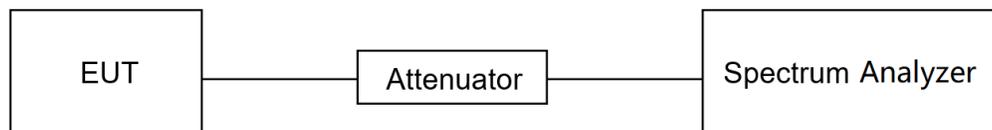
Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.

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	22.1°C	Relative Humidity	55.3%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V

**TEST DATE / ENGINEER**

Test Date	March 10, 2025	Test By	Walker Yuan
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**TEST RESULTS**

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

## 7.5. DUTY CYCLE

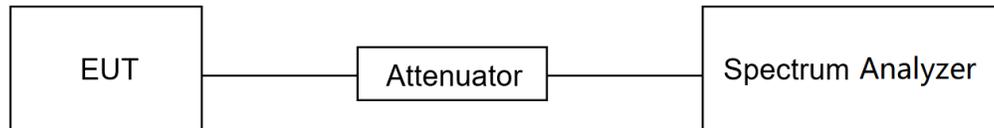
### LIMITS

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	22.1°C	Relative Humidity	55.3%
Atmosphere Pressure	101kPa	Test Voltage	DC 7.16V

### TEST DATE / ENGINEER

Test Date	March 10, 2025	Test By	Walker Yuan
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### 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.

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

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.

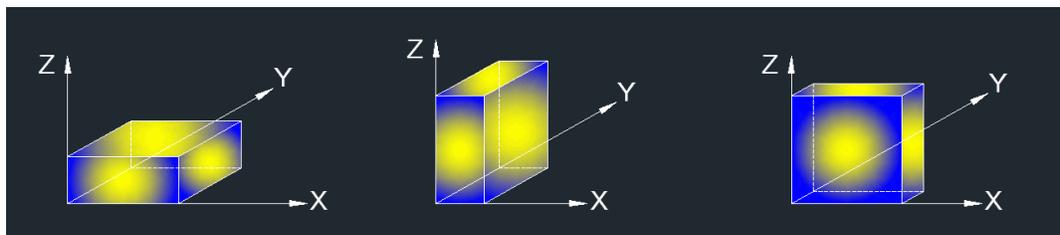
Above 1 GHz

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. dBuA/m= dBuV/m- 20Log10[120π] = 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:

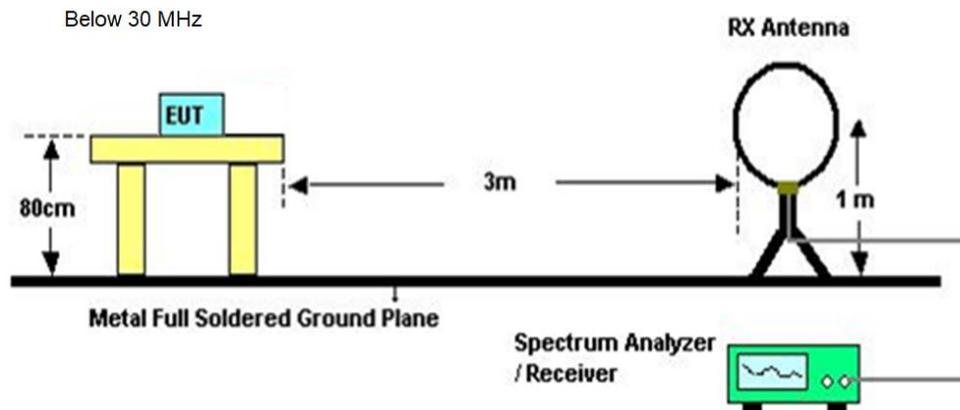
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG:  $VBW=1/T_{on}$ , where:  $T_{on}$  is the transmitting duration.
5. For the transmitting duration, 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):

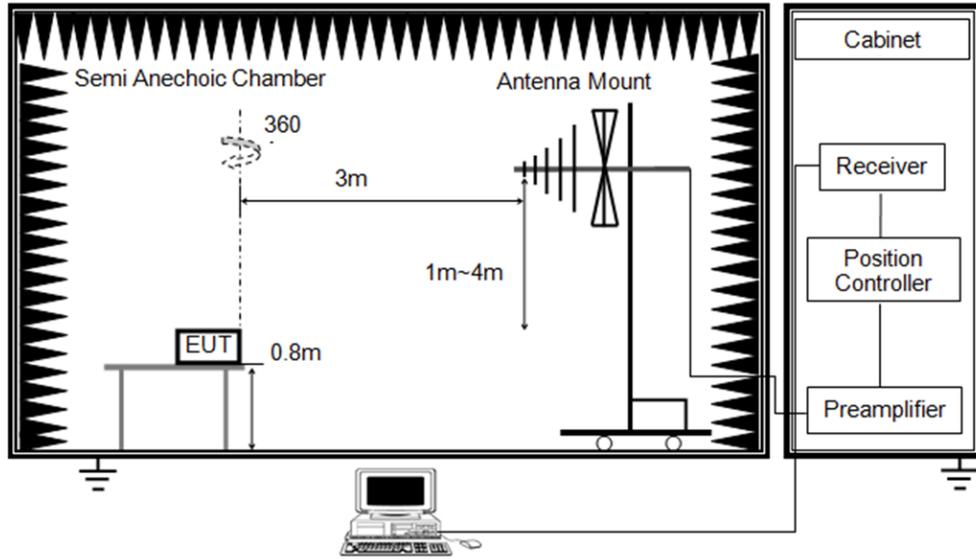
Note:

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.

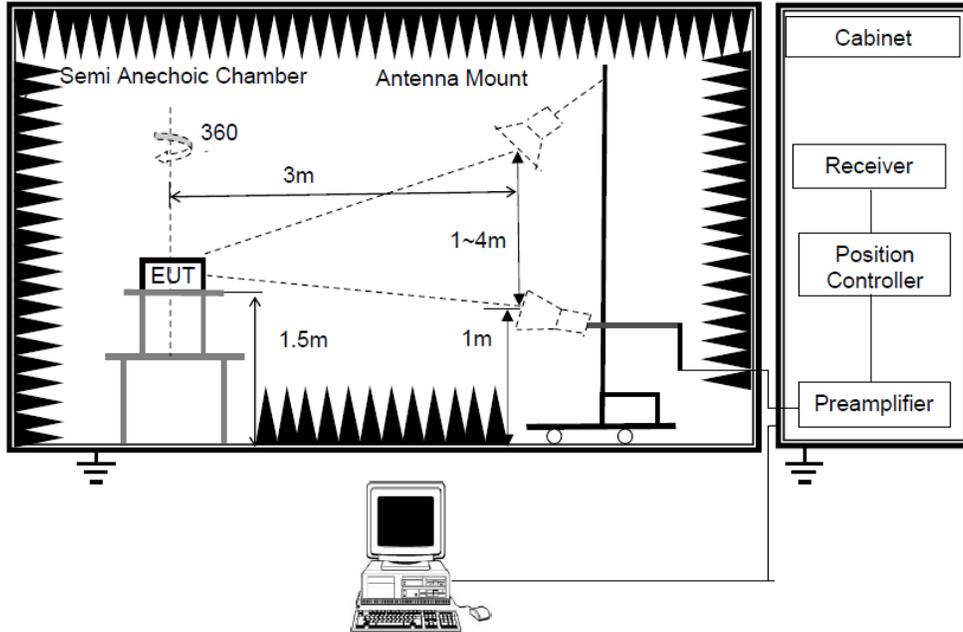
### TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



**TEST ENVIRONMENT**

Temperature	21.6°C	Relative Humidity	58.1%
Atmosphere Pressure	101kPa	Test Voltage	

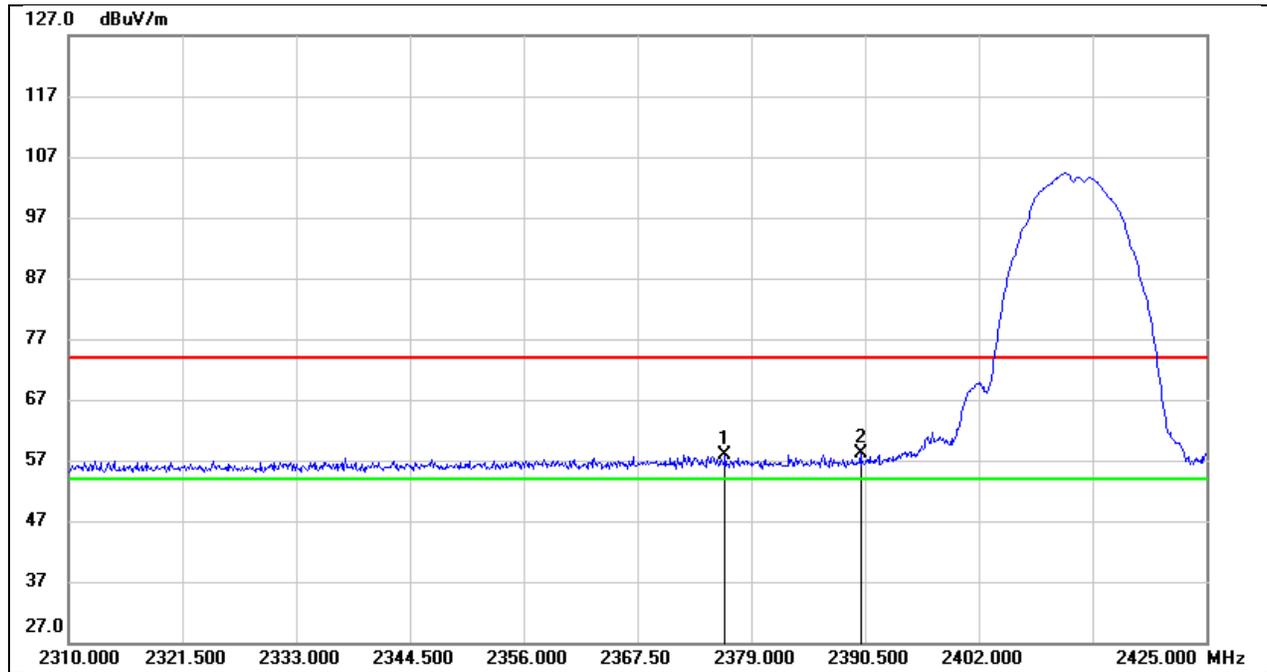
**TEST DATE / ENGINEER**

Test Date	May 13, 2025	Test By	Mason Wang
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**TEST RESULTS**

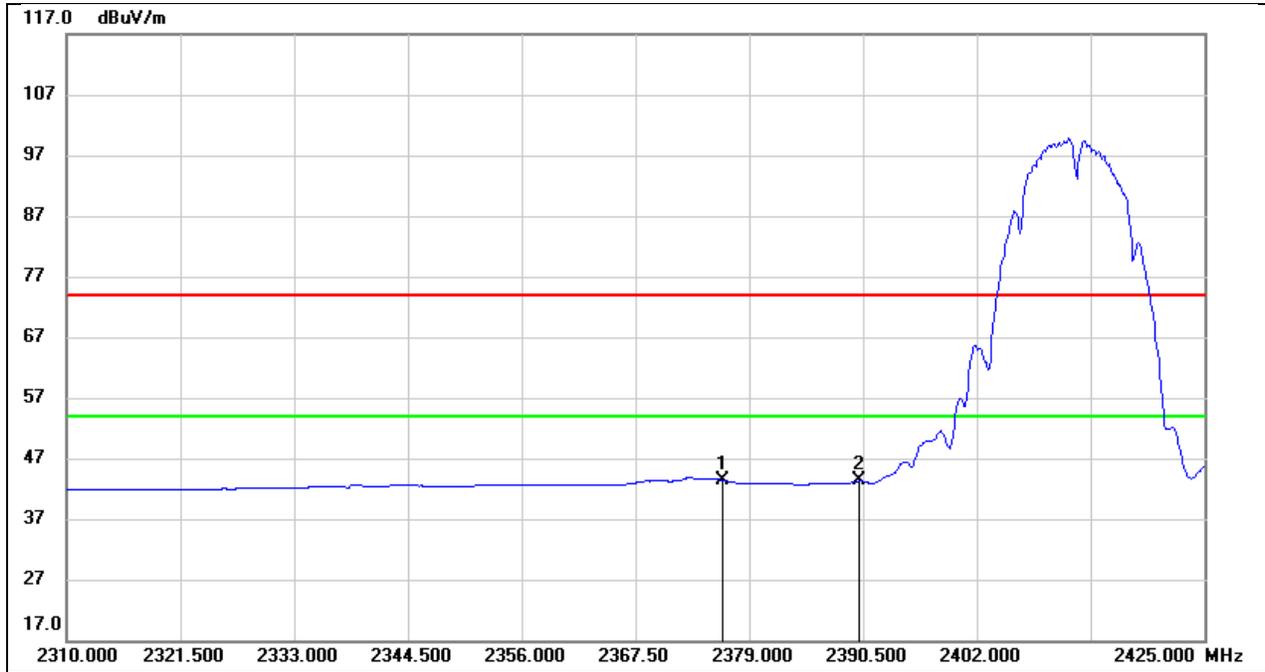
**8.1. RESTRICTED BANDEDGE**

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



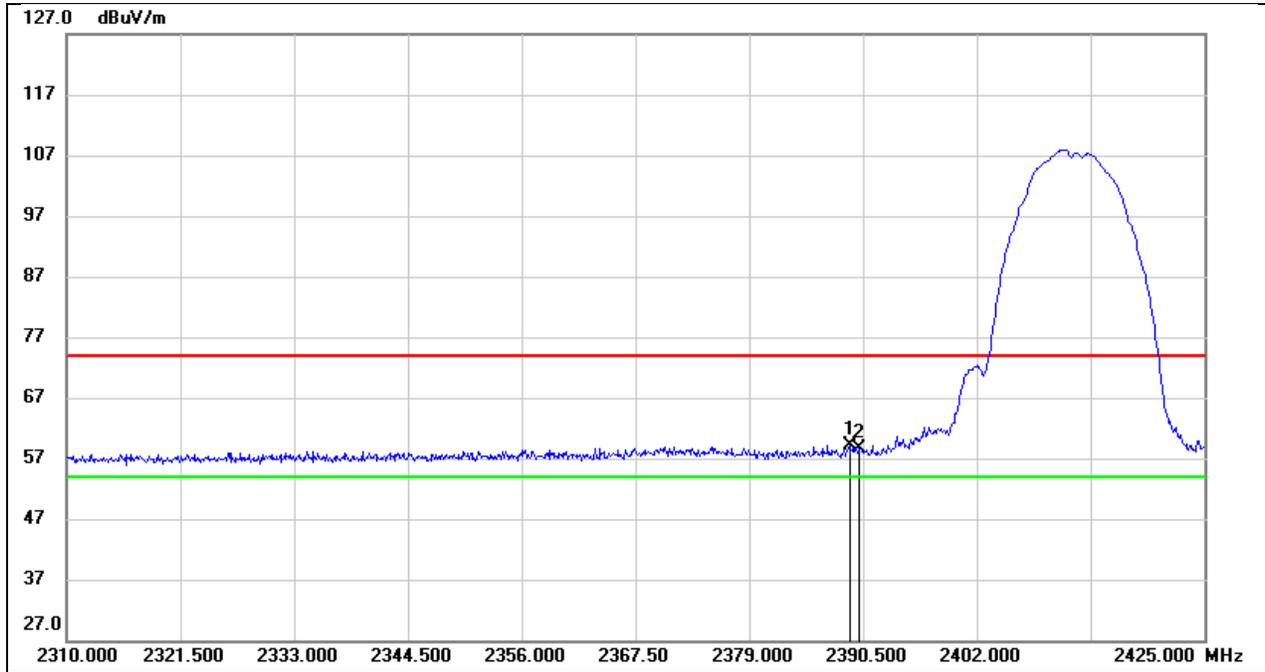
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.355	26.25	31.68	57.93	74.00	-16.07	peak
2	2390.000	26.43	31.73	58.16	74.00	-15.84	peak

Test Mode:	802.11b AV	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



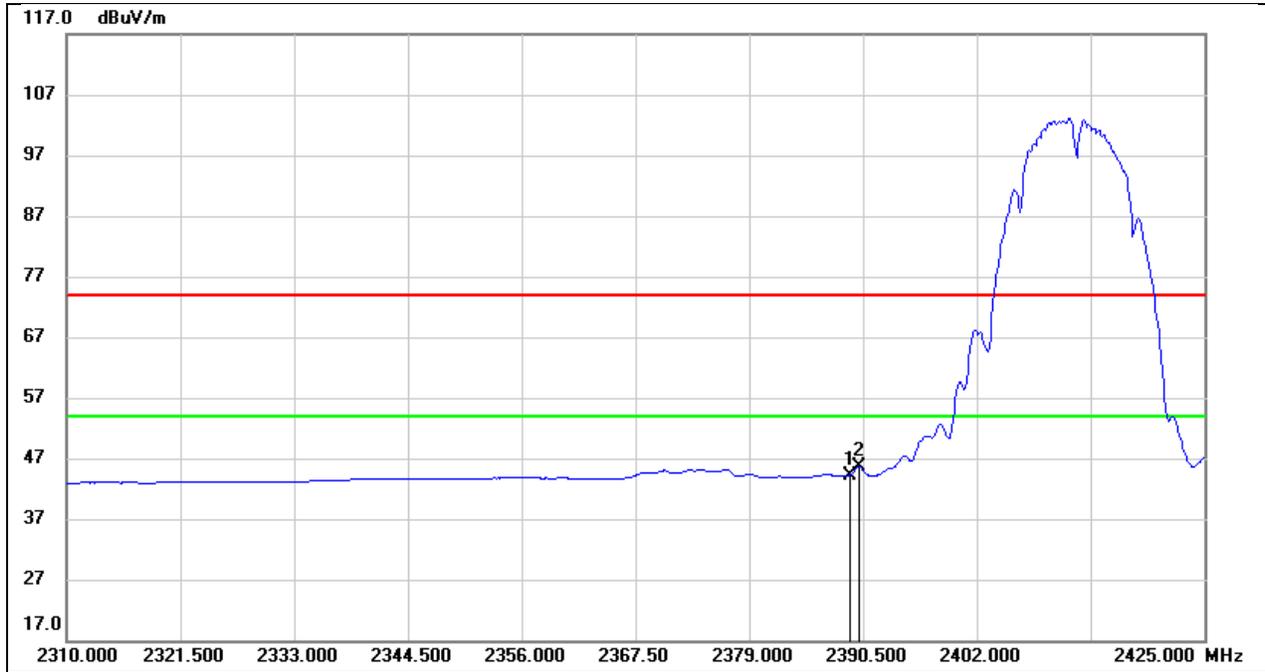
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2376.355	11.70	31.68	43.38	54.00	-10.62	AVG
2	2390.000	11.55	31.73	43.28	54.00	-10.72	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



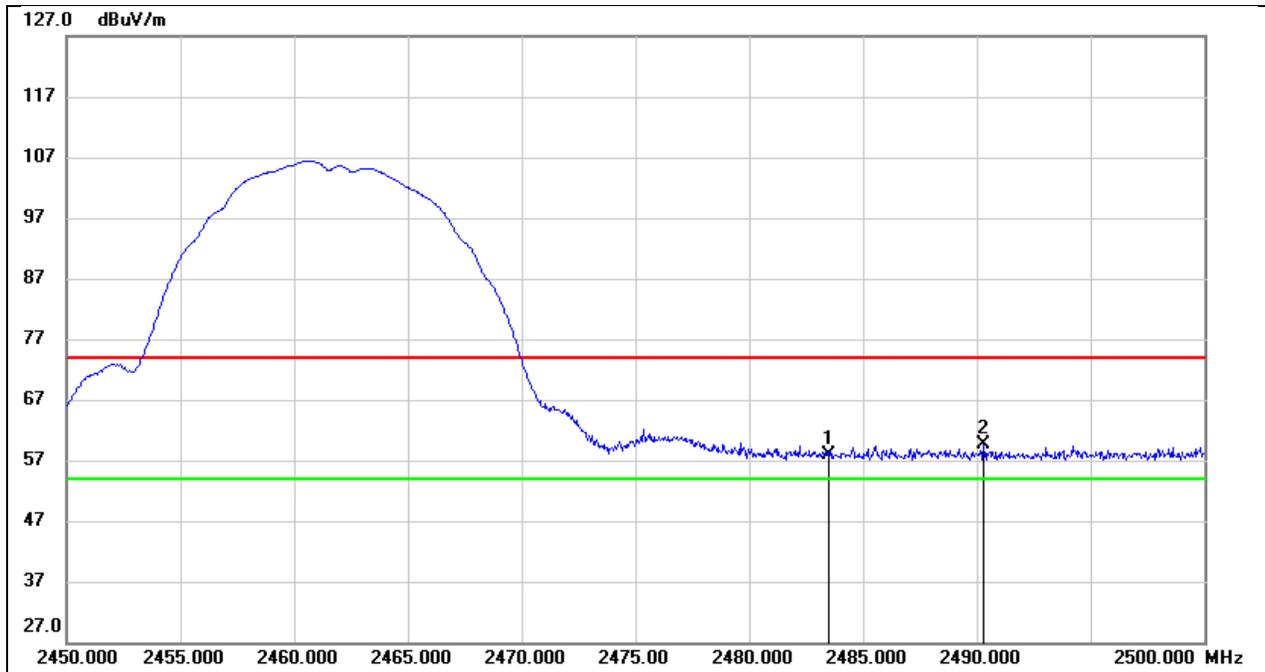
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.120	26.64	32.55	59.19	74.00	-14.81	peak
2	2390.000	26.20	32.55	58.75	74.00	-15.25	peak

Test Mode:	802.11b AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



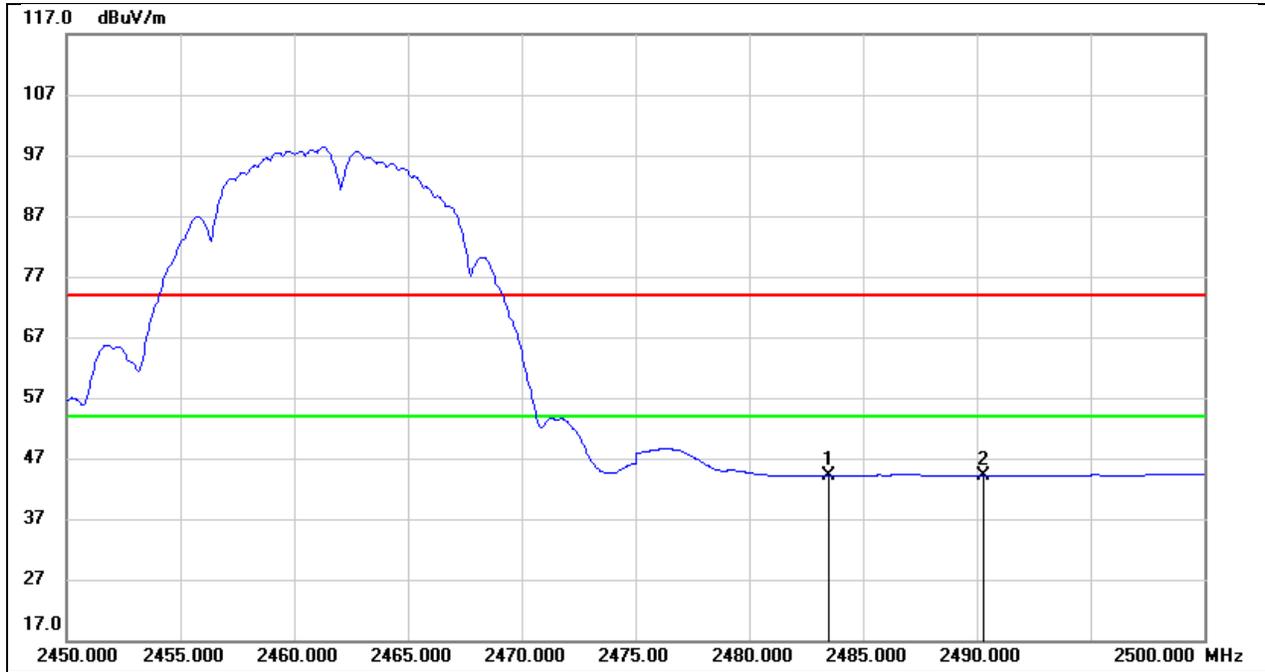
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.120	11.64	32.55	44.19	54.00	-9.81	AVG
2	2390.000	13.18	32.55	45.73	54.00	-8.27	AVG

Test Mode:	802.11b PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



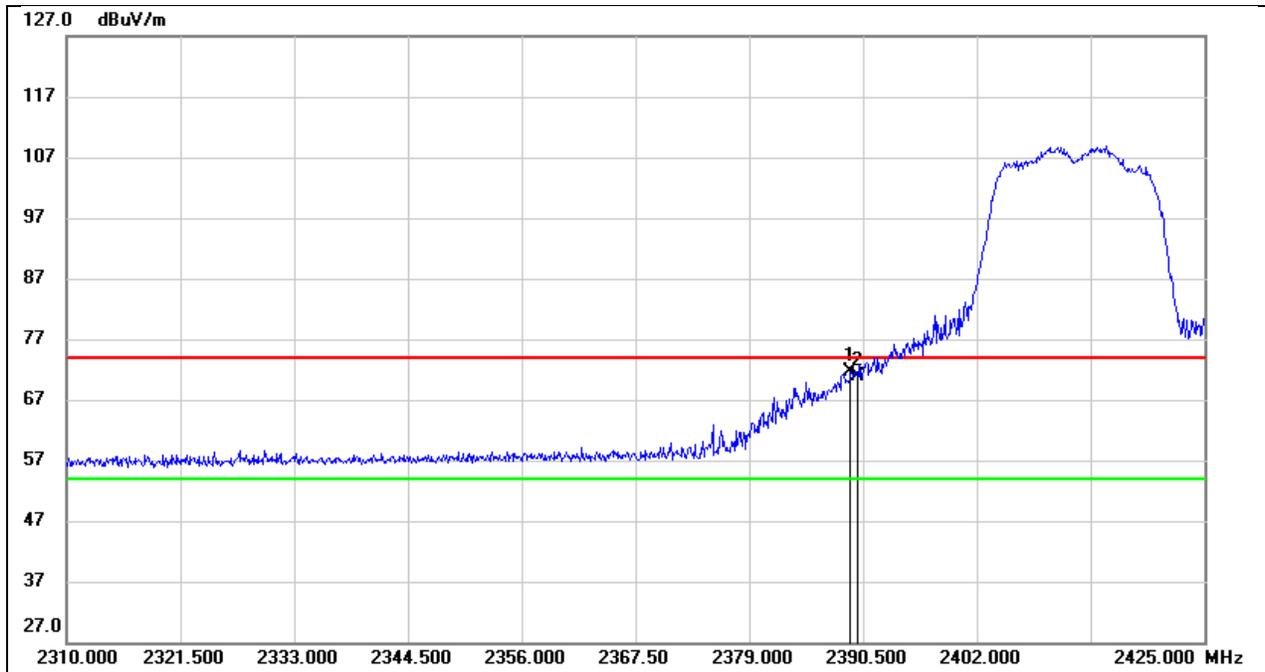
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	25.18	32.80	57.98	74.00	-16.02	peak
2	2490.300	26.81	32.81	59.62	74.00	-14.38	peak

Test Mode:	802.11b AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



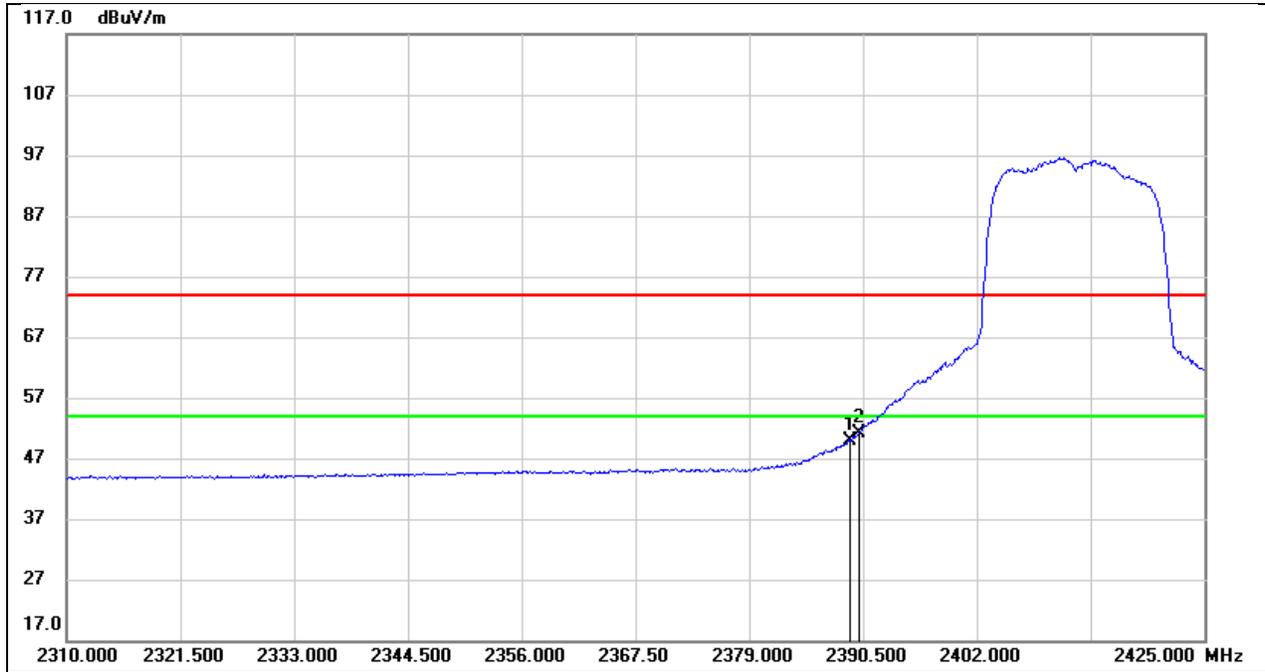
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.37	32.80	44.17	54.00	-9.83	AVG
2	2490.300	11.28	32.81	44.09	54.00	-9.91	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



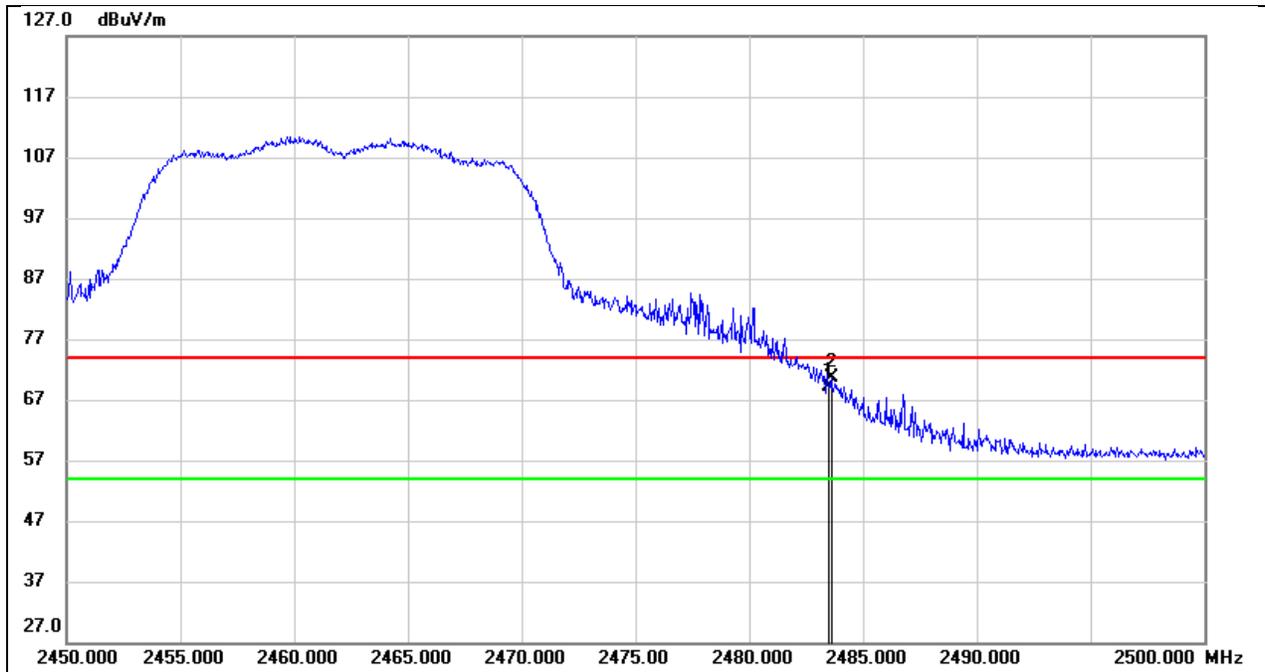
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.235	39.18	32.55	71.73	74.00	-2.27	peak
2	2390.000	38.32	32.55	70.87	74.00	-3.13	peak

Test Mode:	802.11g AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



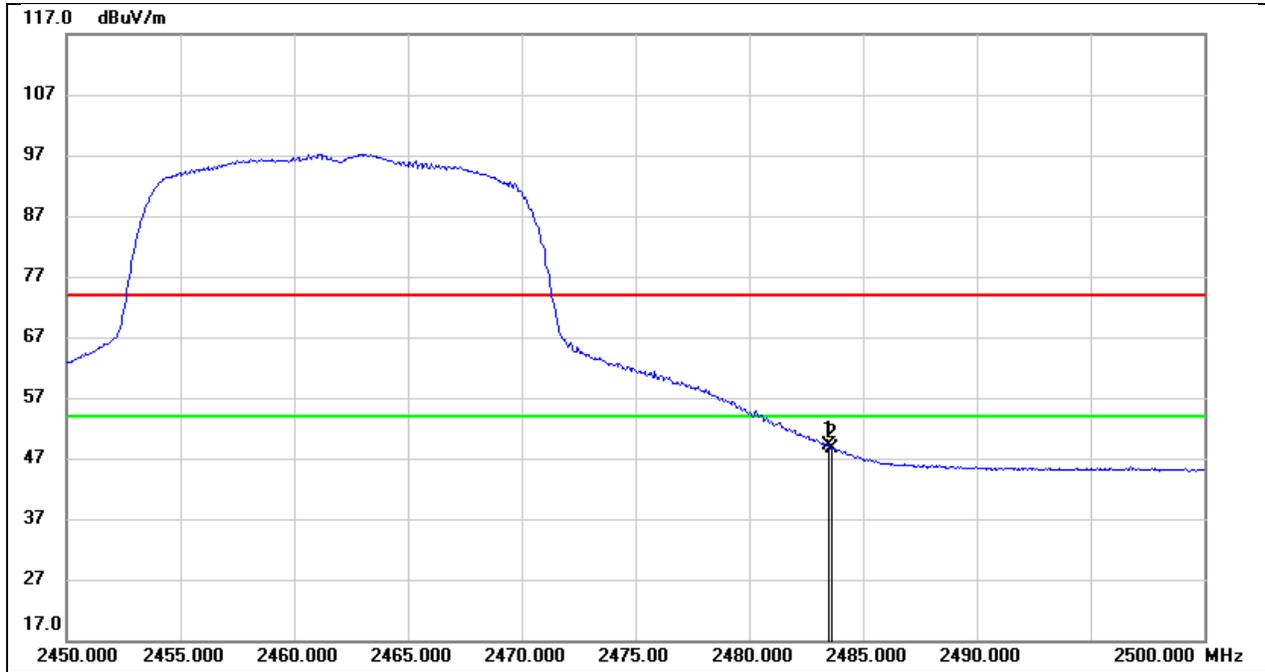
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.235	17.24	32.55	49.79	54.00	-4.21	AVG
2	2390.000	18.60	32.55	51.15	54.00	-2.85	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



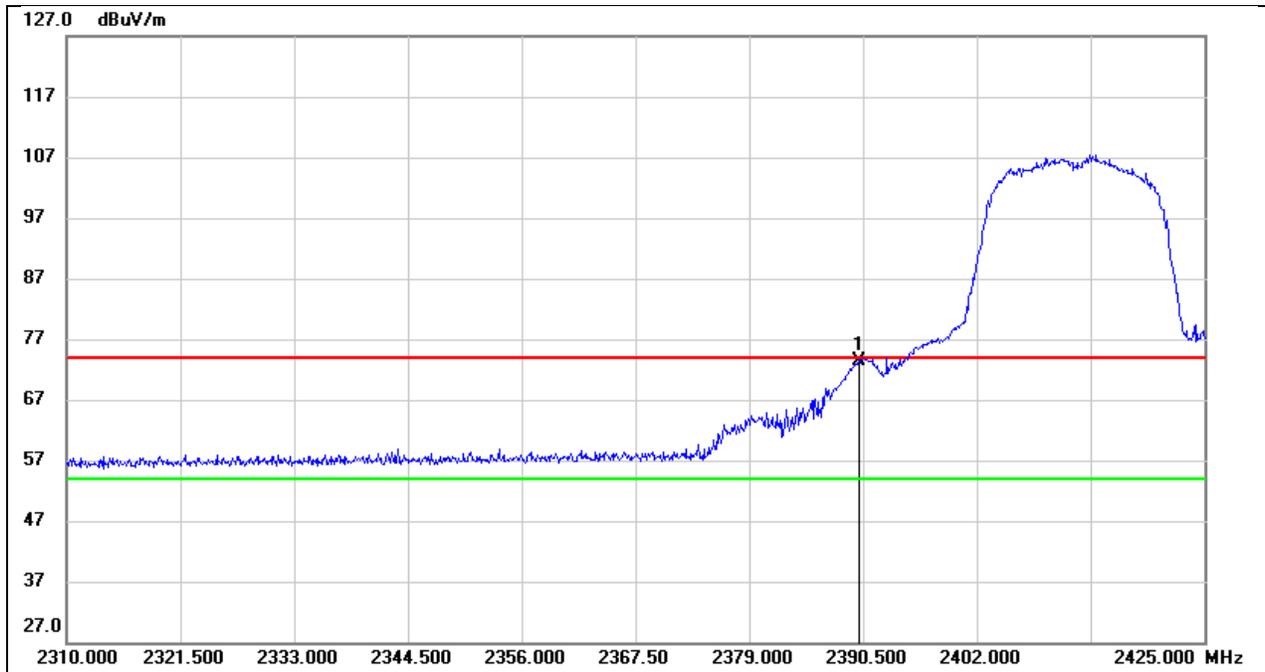
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	36.39	32.80	69.19	74.00	-4.81	peak
2	2483.600	37.93	32.80	70.73	74.00	-3.27	peak

Test Mode:	802.11g AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



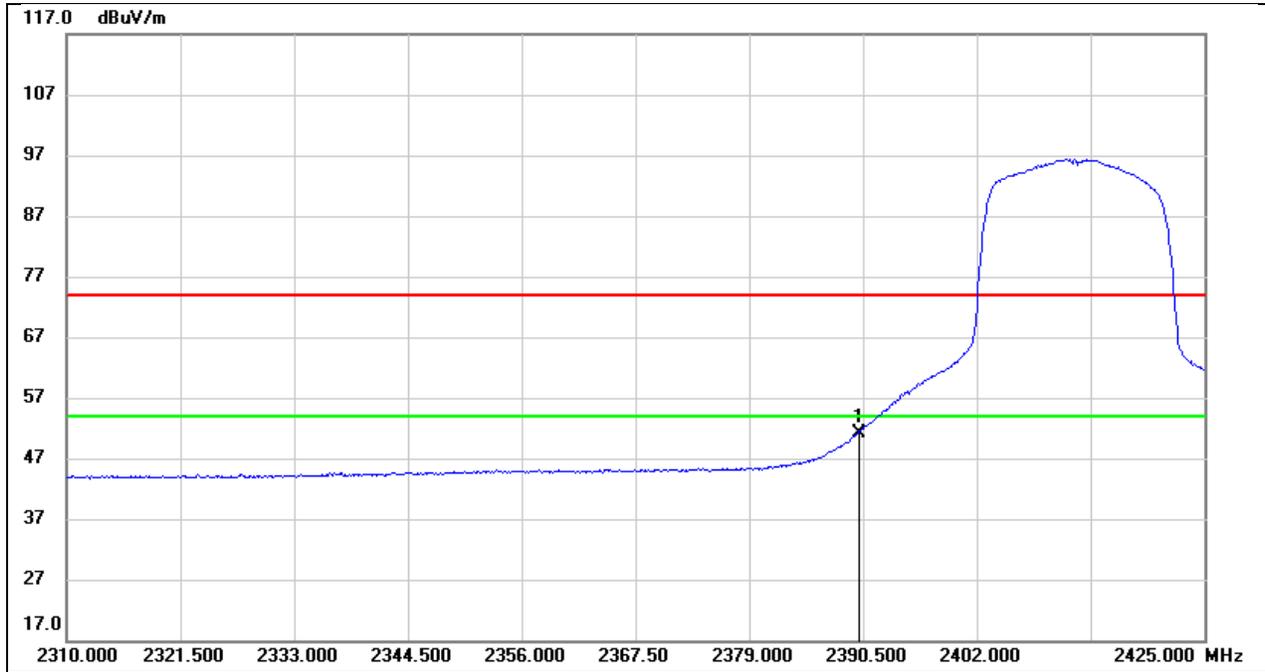
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.36	32.80	49.16	54.00	-4.84	AVG
2	2483.600	15.80	32.80	48.60	54.00	-5.40	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



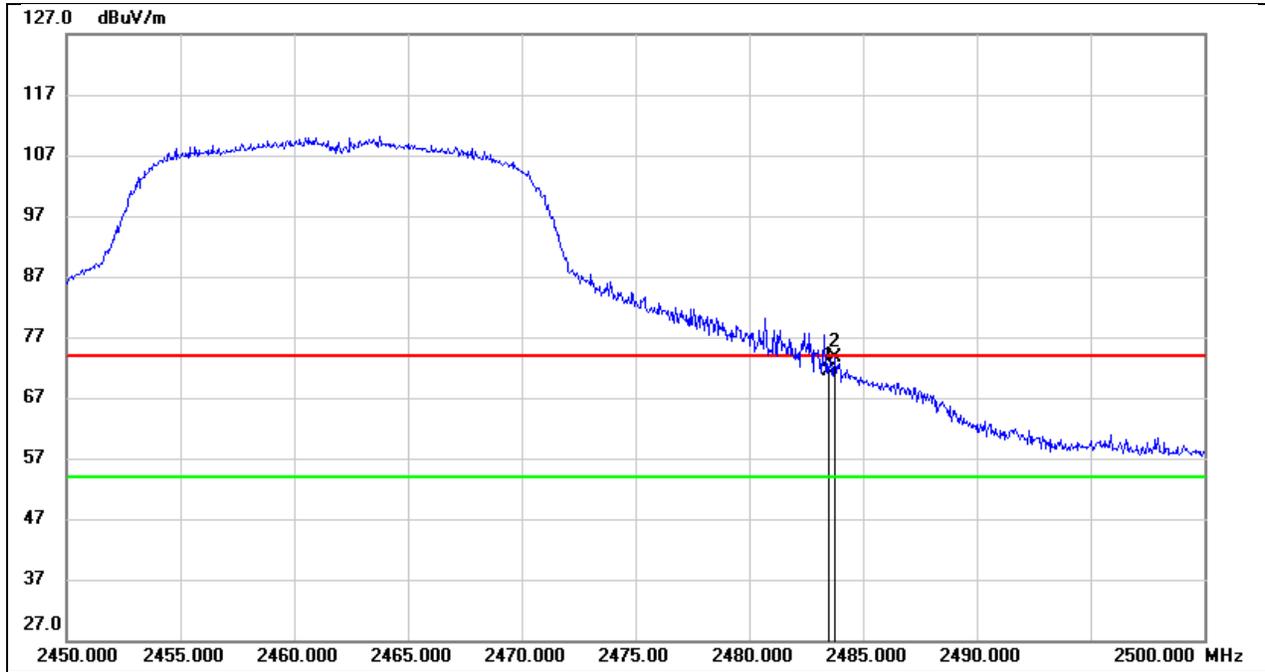
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	40.44	32.55	72.99	74.00	-1.01	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



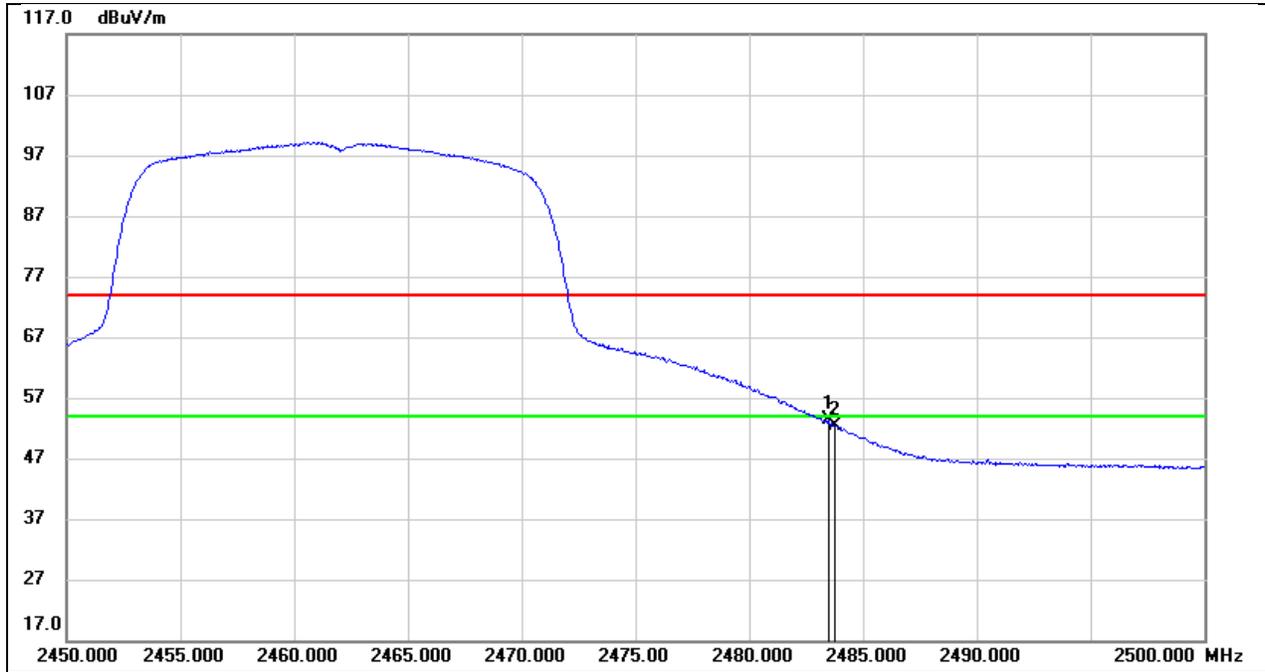
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	18.60	32.55	51.15	54.00	-2.85	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



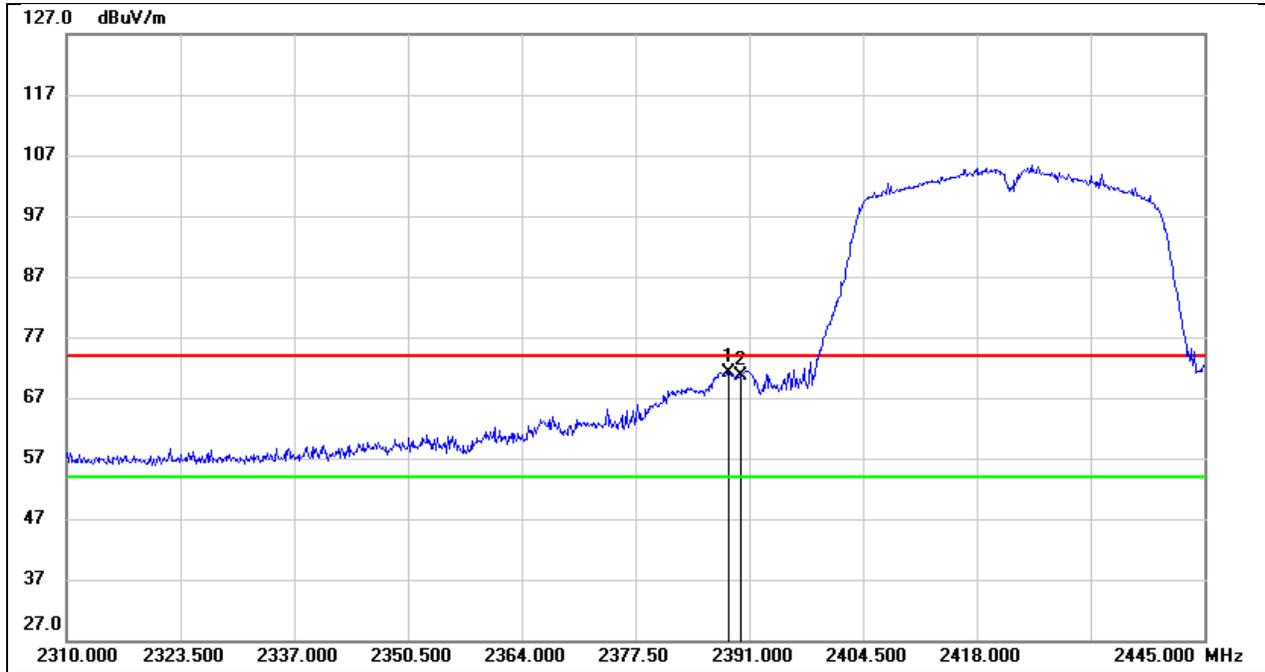
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	38.58	32.80	71.38	74.00	-2.62	peak
2	2483.750	40.10	32.80	72.900	74.00	-1.10	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



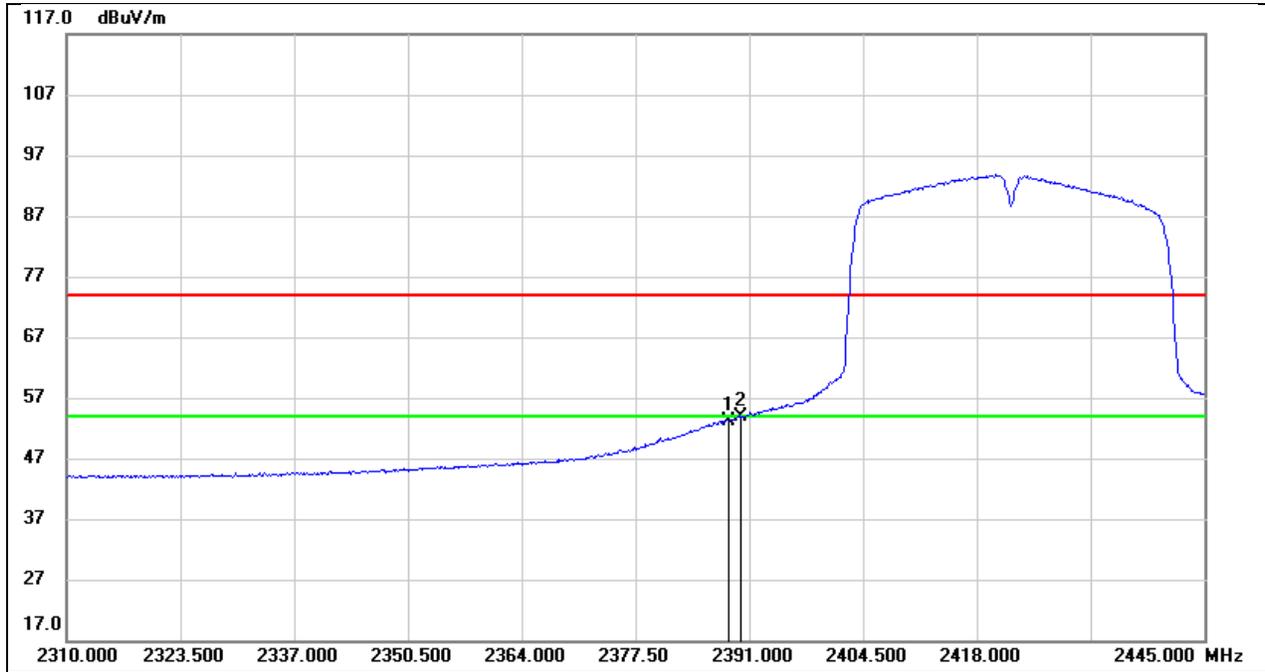
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	20.03	32.80	52.83	54.00	-1.17	AVG
2	2483.750	19.48	32.80	52.28	54.00	-1.72	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 7.16V



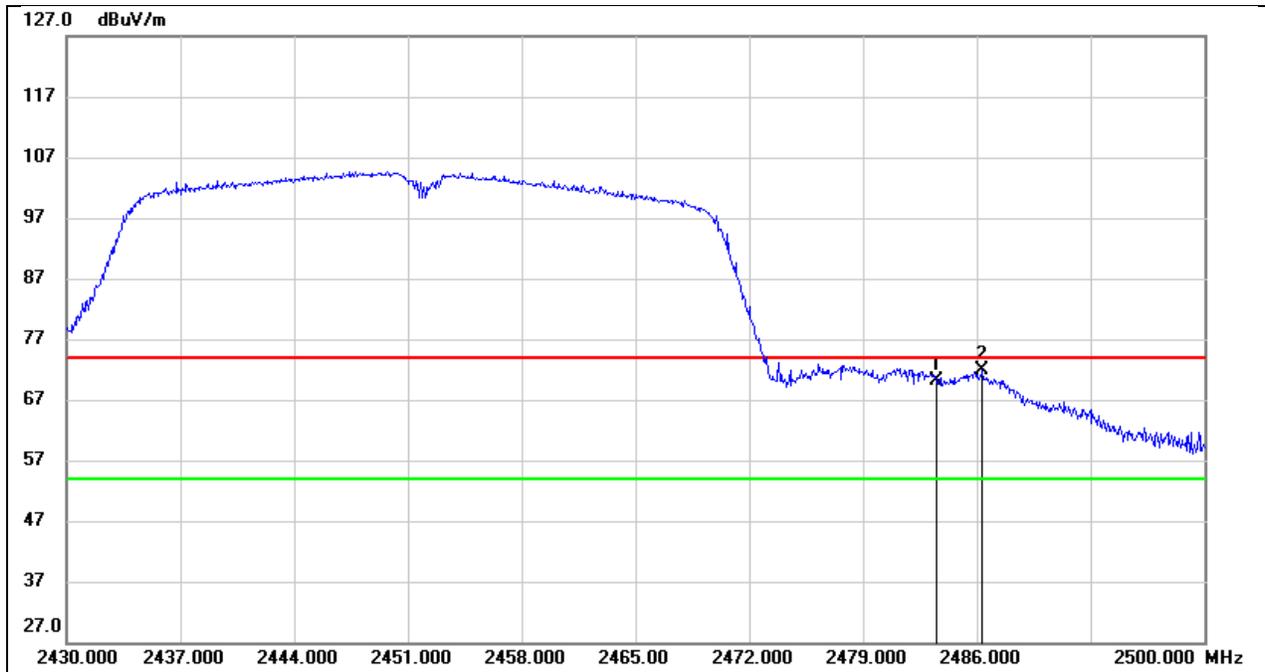
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.570	38.69	32.55	71.24	74.00	-2.76	peak
2	2390.000	38.09	32.55	70.64	74.00	-3.36	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 7.16V



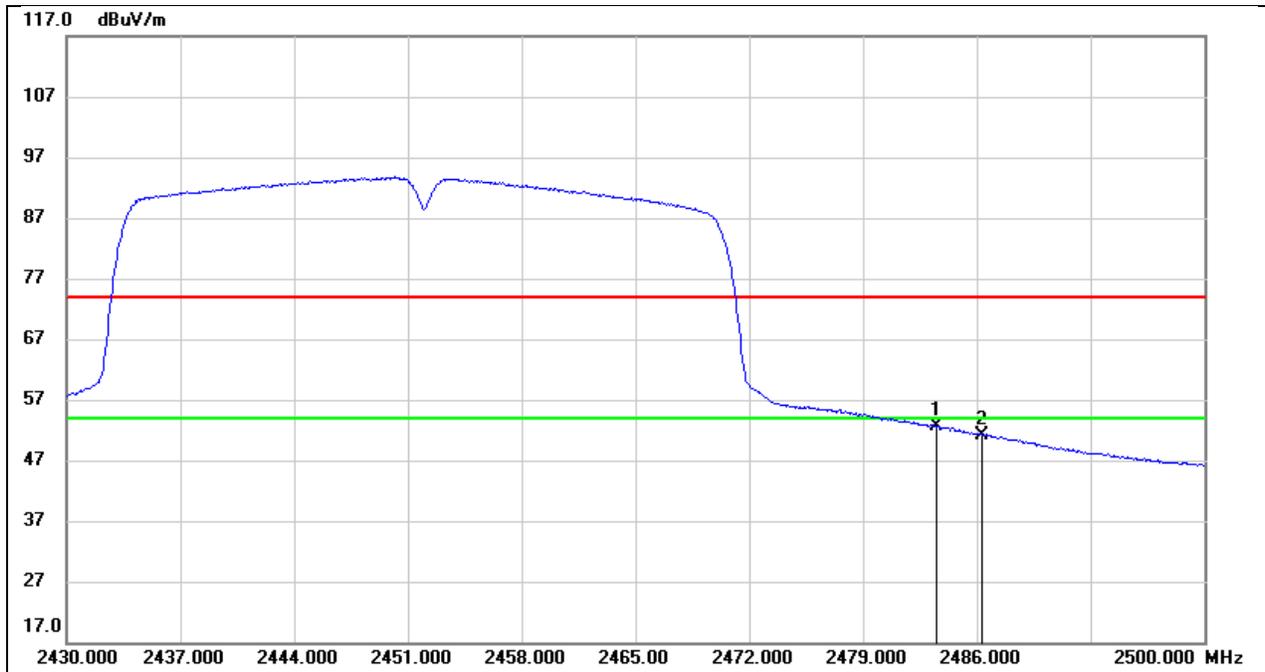
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.570	20.27	32.55	52.82	54.00	-1.18	AVG
2	2390.000	20.49	32.55	53.04	54.00	-0.96	AVG

Test Mode:	802.11n HT40 PK	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 7.16V



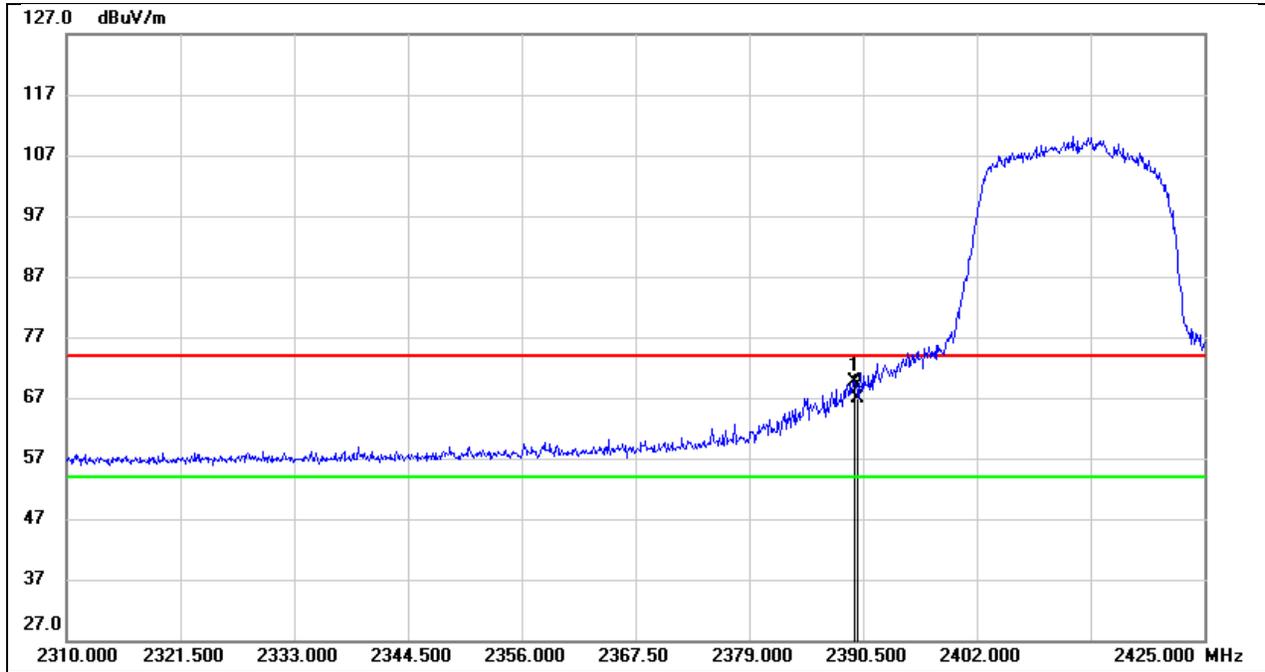
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	37.41	32.80	70.21	74.00	-3.79	peak
2	2486.350	39.07	32.81	71.88	74.00	-2.12	peak

Test Mode:	802.11n HT40 AV	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 7.16V



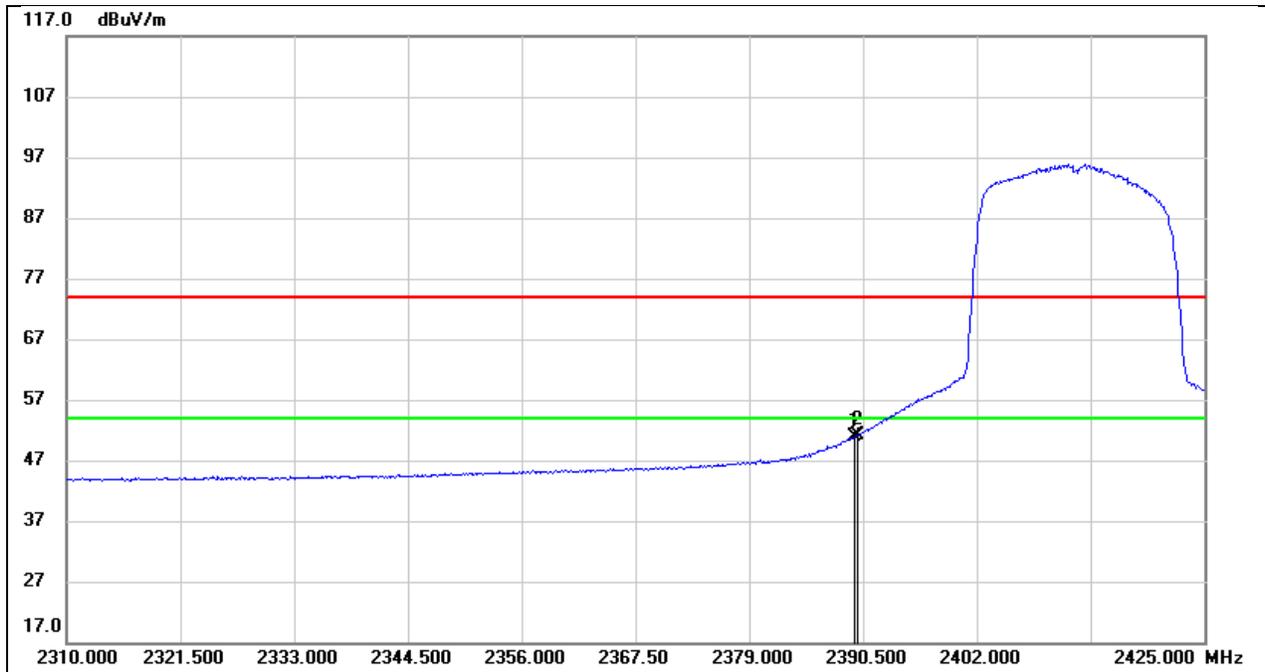
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	19.83	32.80	52.63	54.00	-1.37	AVG
2	2486.350	18.32	32.81	51.13	54.00	-2.87	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



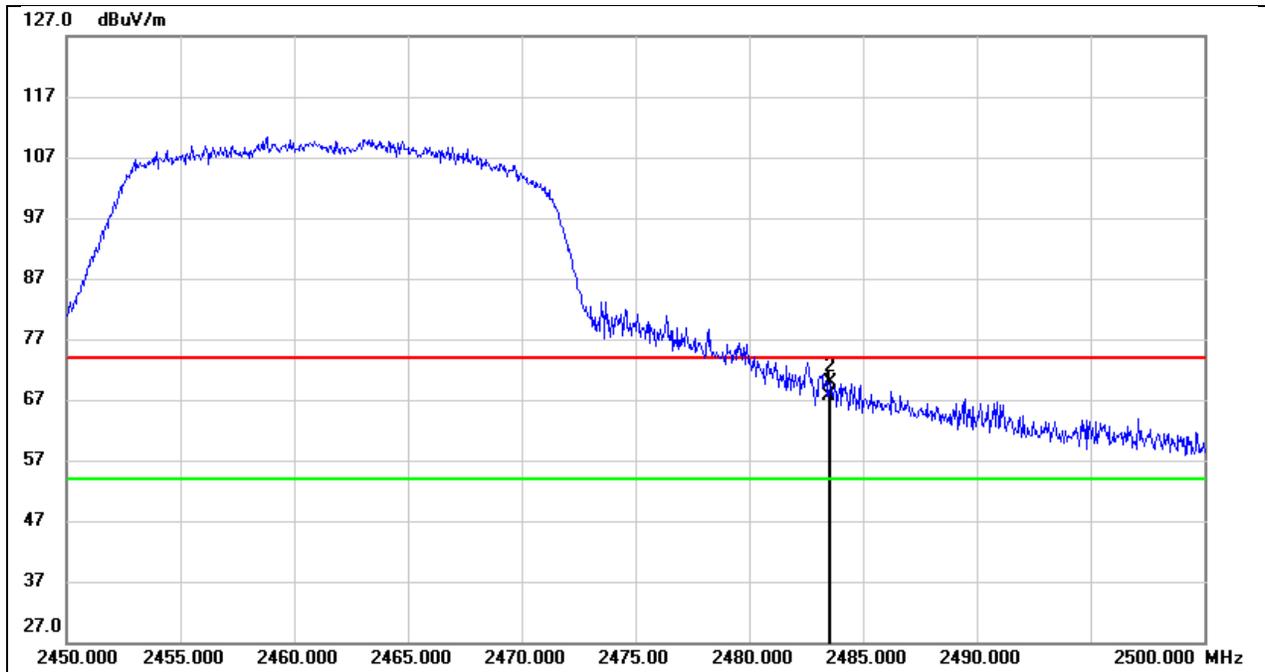
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.580	37.09	32.55	69.64	74.00	-4.36	peak
2	2390.000	34.22	32.55	66.77	74.00	-7.23	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



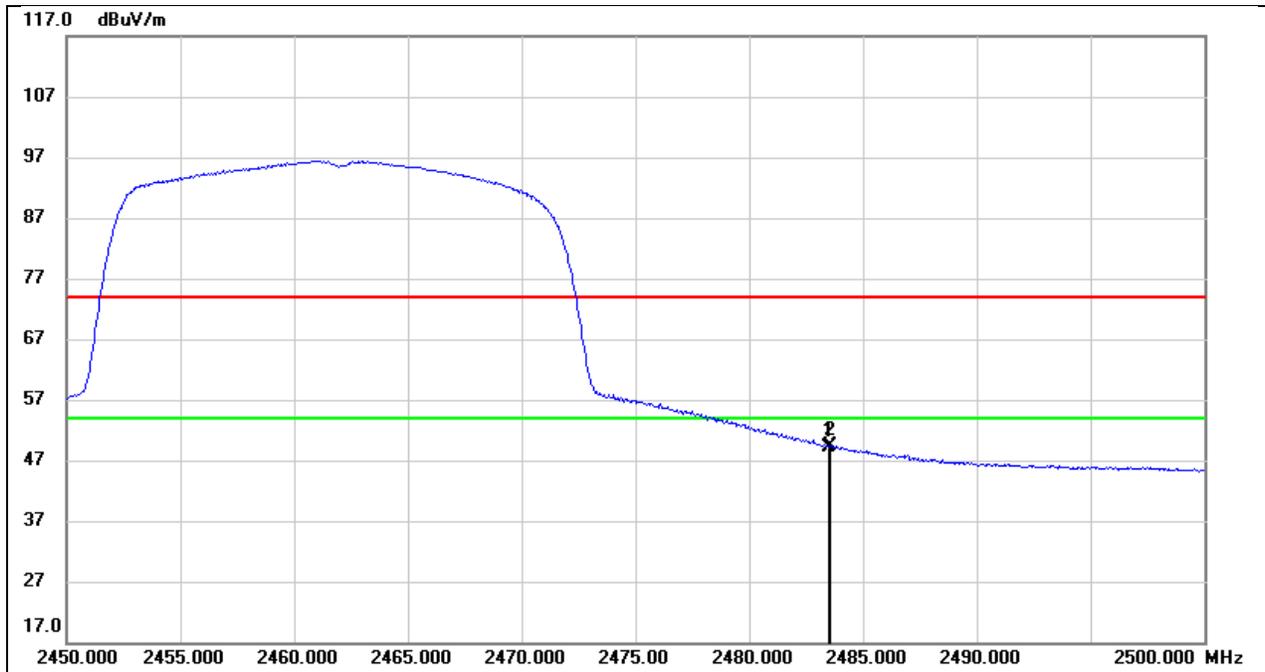
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.580	18.39	32.55	50.94	54.00	-3.06	AVG
2	2390.000	18.58	32.55	51.13	54.00	-2.87	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



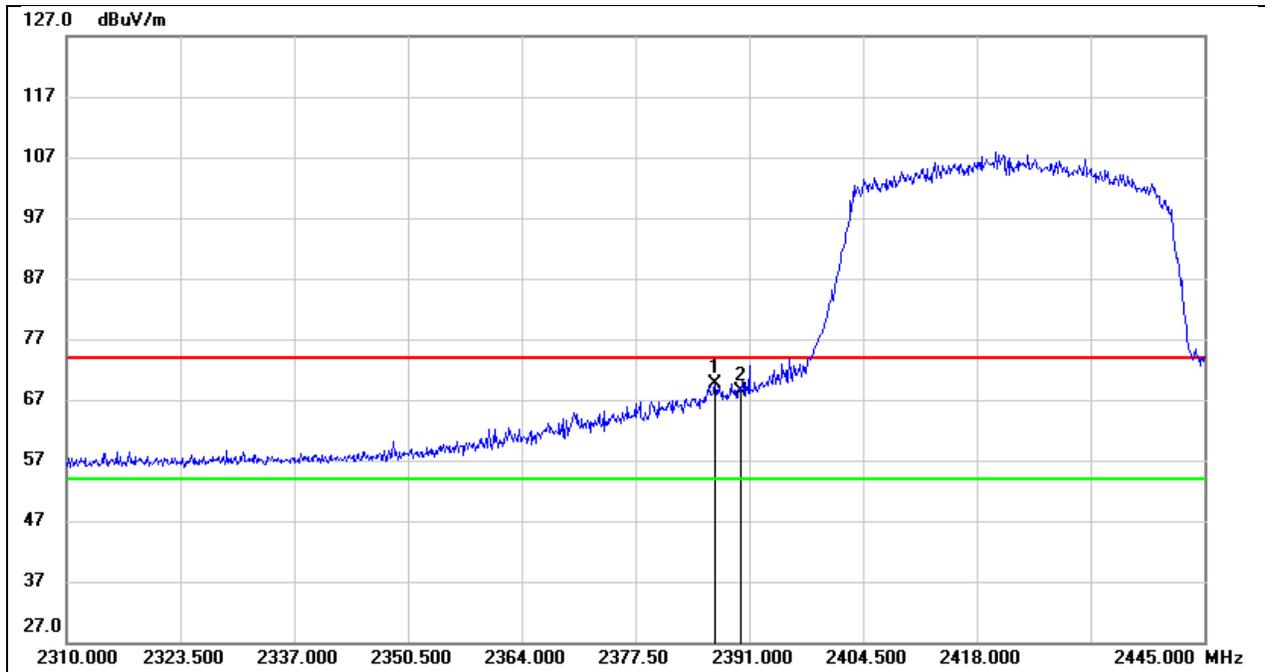
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	34.87	32.80	67.67	74.00	-6.33	peak
2	2483.550	37.03	32.80	69.83	74.00	-4.17	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



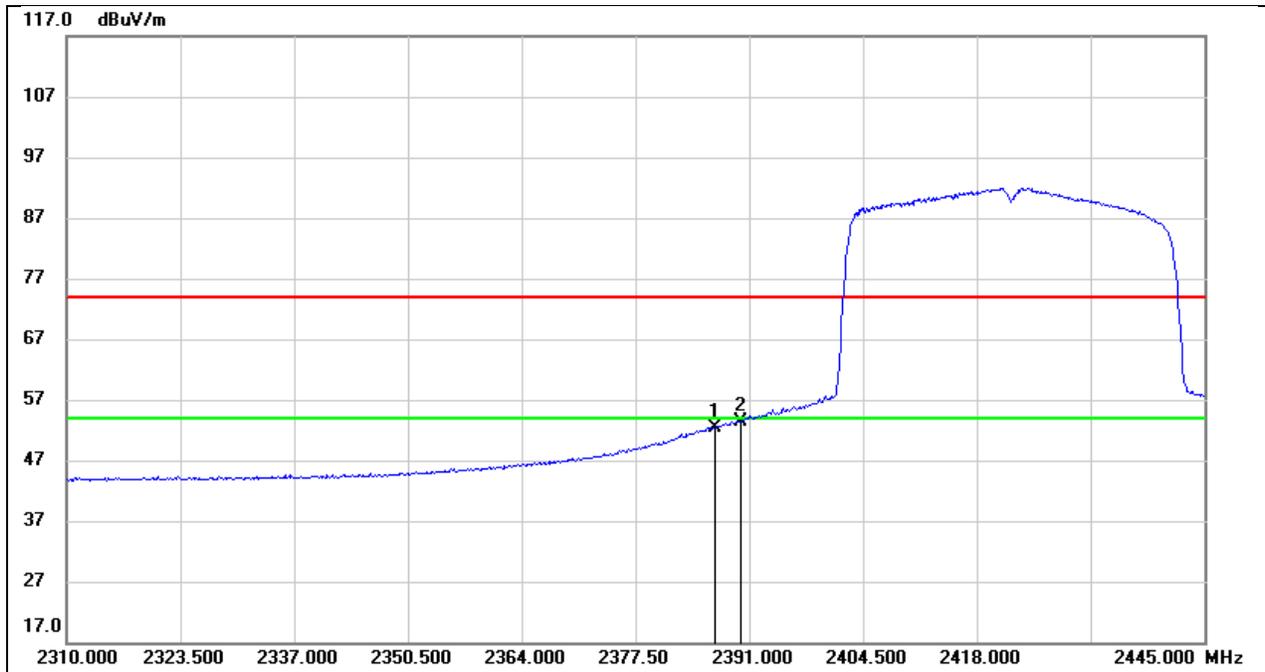
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.43	32.80	49.23	54.00	-4.77	AVG
2	2483.550	16.56	32.80	49.36	54.00	-4.64	AVG

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 7.16V



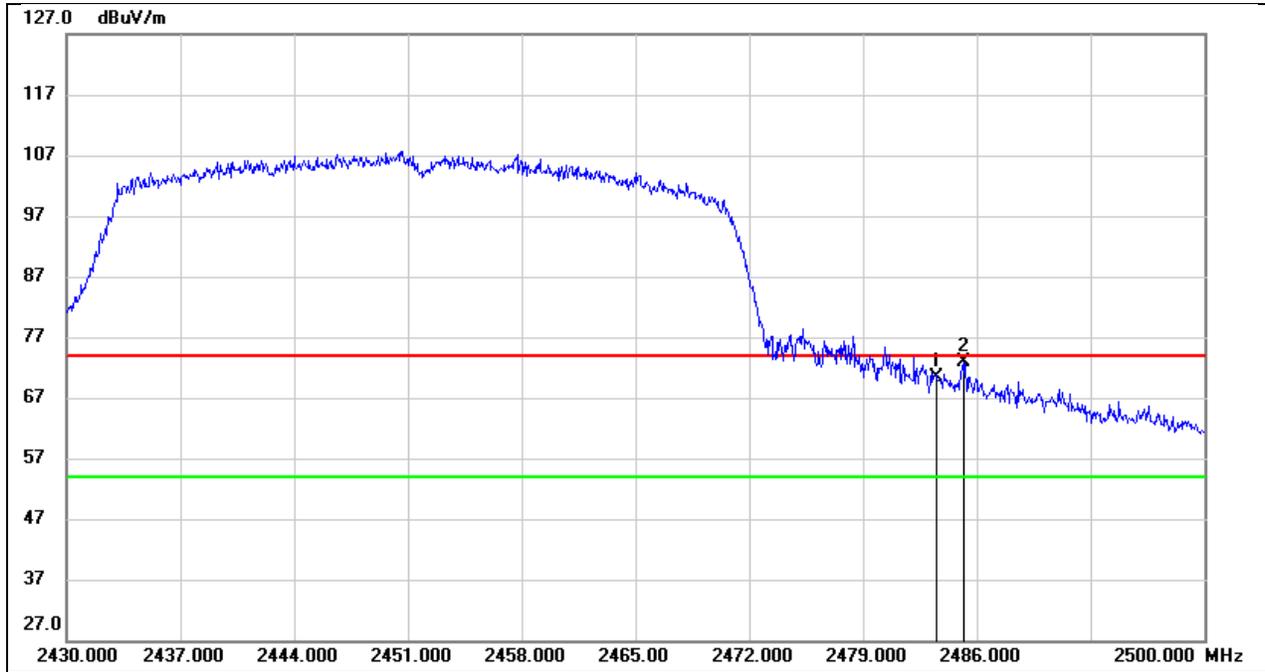
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.950	37.17	32.55	69.72	74.00	-4.28	peak
2	2390.000	35.83	32.55	68.38	74.00	-5.62	peak

Test Mode:	802.11ax HE40 AV	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 7.16V



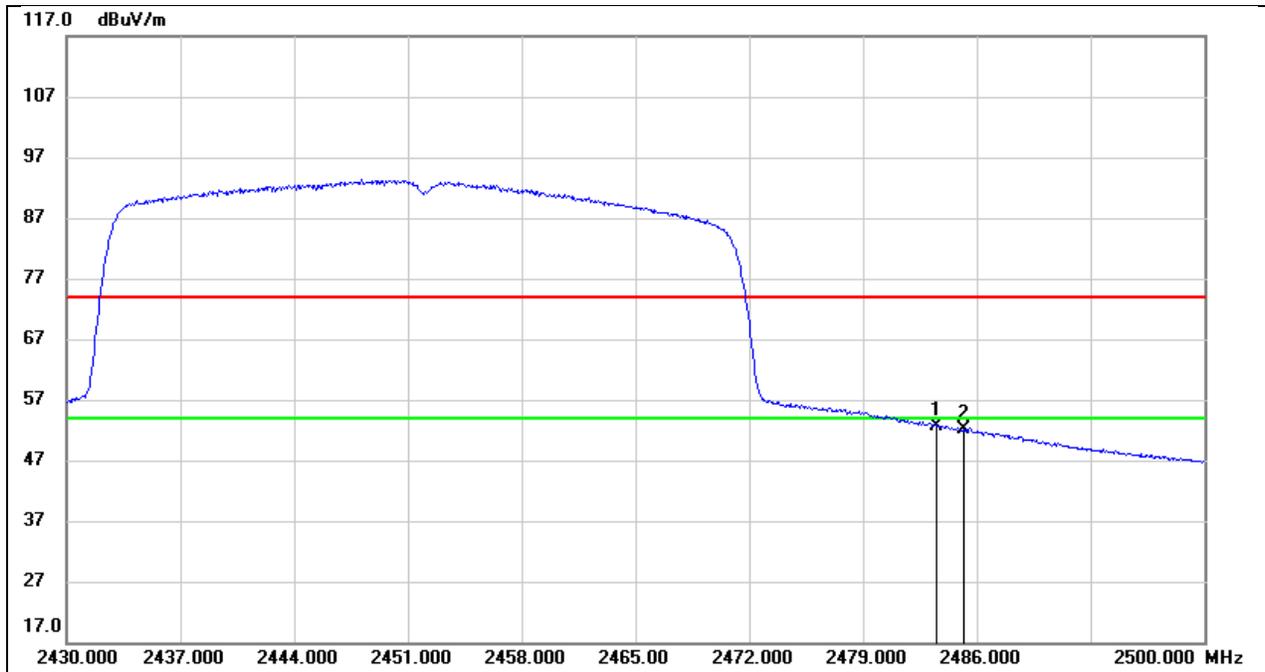
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.950	19.87	32.55	52.42	54.00	-1.58	AVG
2	2390.000	20.87	32.55	53.42	54.00	-0.58	AVG

Test Mode:	802.11ax HE40 PK	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	37.68	32.80	70.48	74.00	-3.52	peak
2	2485.230	39.96	32.80	72.76	74.00	-1.24	peak

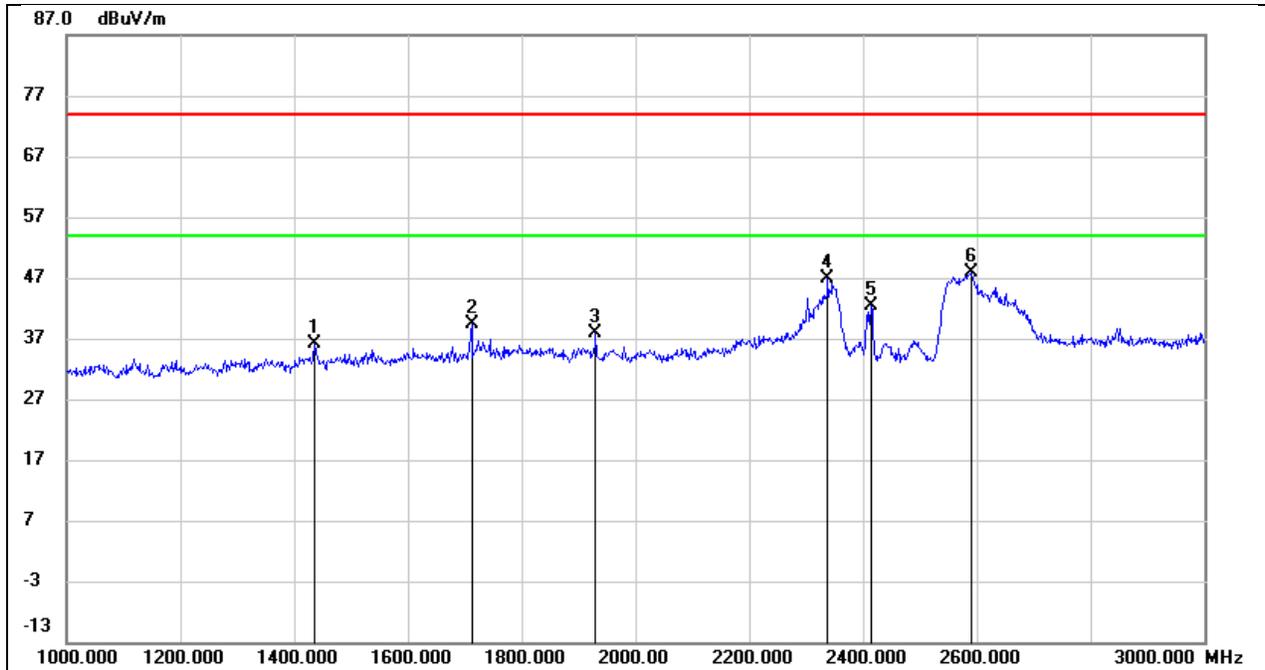
Test Mode:	802.11ax HE40 AV	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	19.72	32.80	52.52	54.00	-1.48	AVG
2	2485.230	19.31	32.80	52.11	54.00	-1.89	AVG

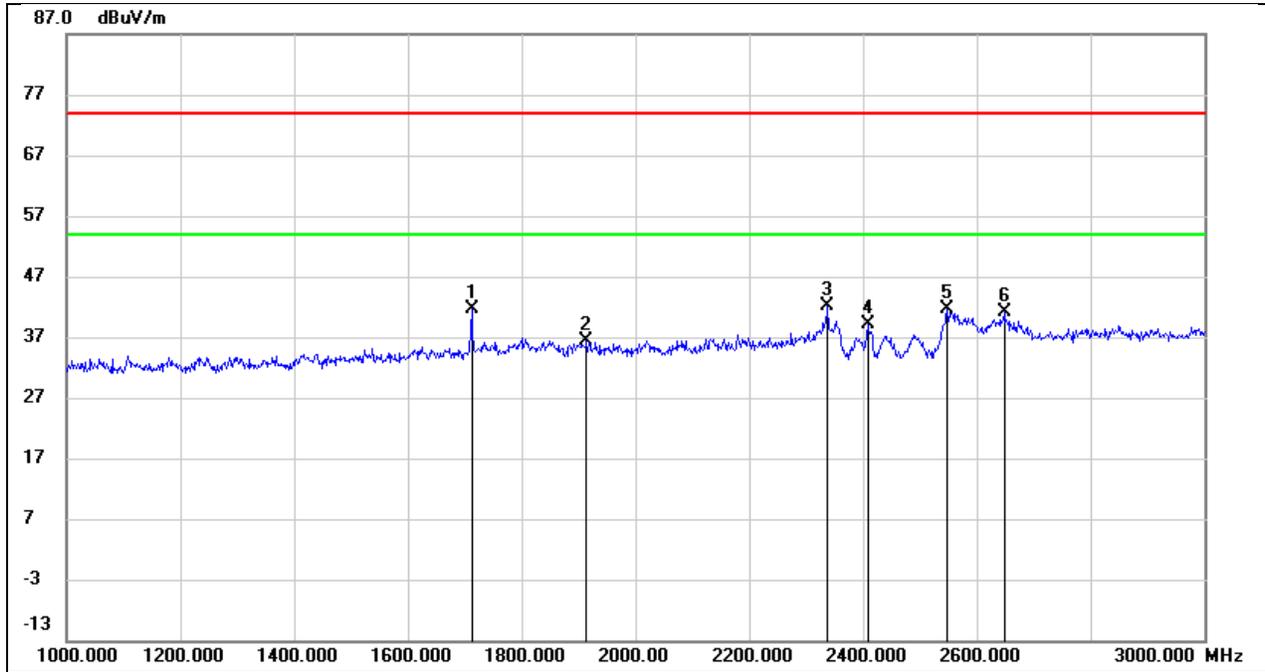
### 8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



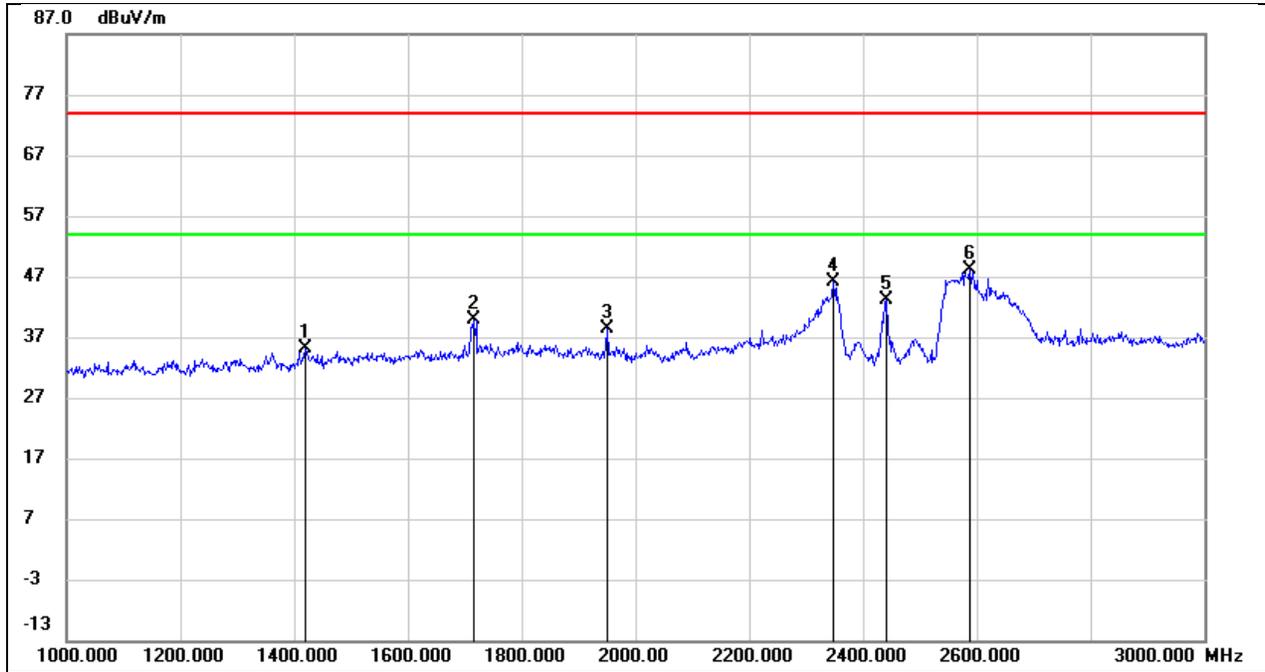
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1436.000	48.41	-12.25	36.16	74.00	-37.84	peak
2	1712.000	49.86	-10.58	39.28	74.00	-34.72	peak
3	1930.000	47.88	-10.04	37.84	74.00	-36.16	peak
4	2338.000	55.64	-8.82	46.82	74.00	-27.18	peak
5	2412.000	51.00	-8.53	42.47	/	/	Fundamental
6	2590.000	55.58	-7.81	47.77	74.00	-26.23	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



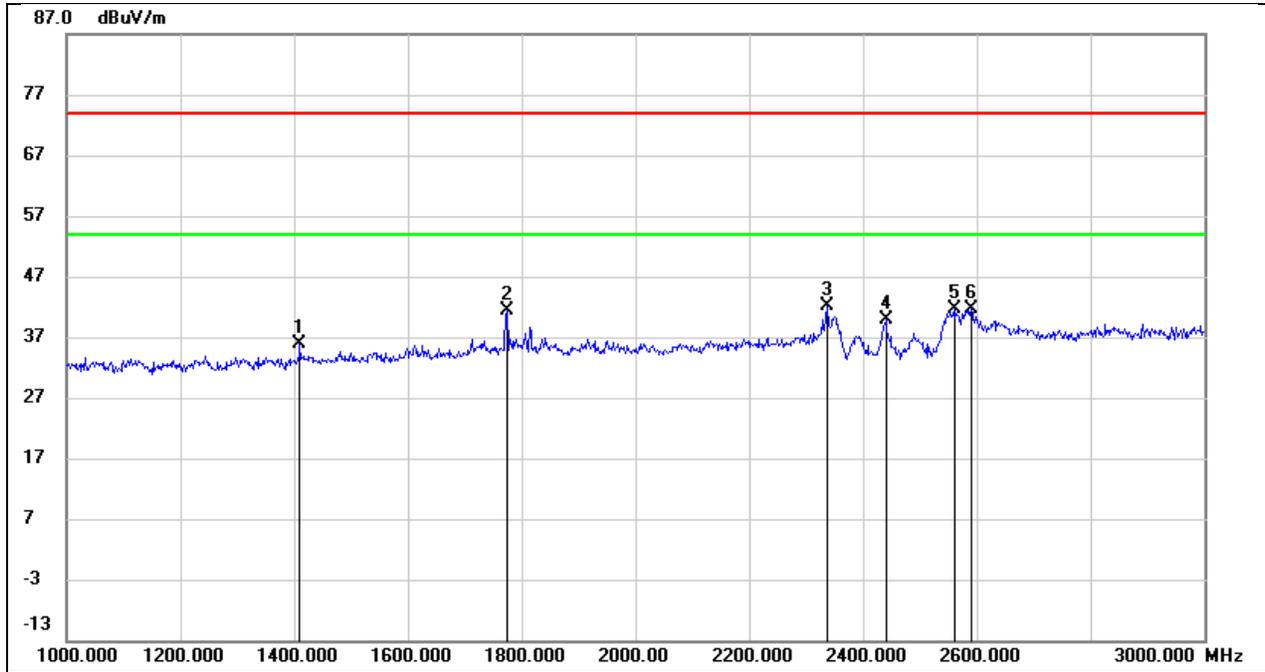
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1712.000	51.76	-10.14	41.62	74.00	-32.38	peak
2	1914.000	45.61	-9.28	36.33	74.00	-37.67	peak
3	2338.000	50.24	-7.99	42.25	74.00	-31.75	peak
4	2412.000	46.89	-7.75	39.14	/	/	Fundamental
5	2548.000	48.67	-7.15	41.52	74.00	-32.48	peak
6	2648.000	47.63	-6.61	41.02	74.00	-32.98	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 7.16V



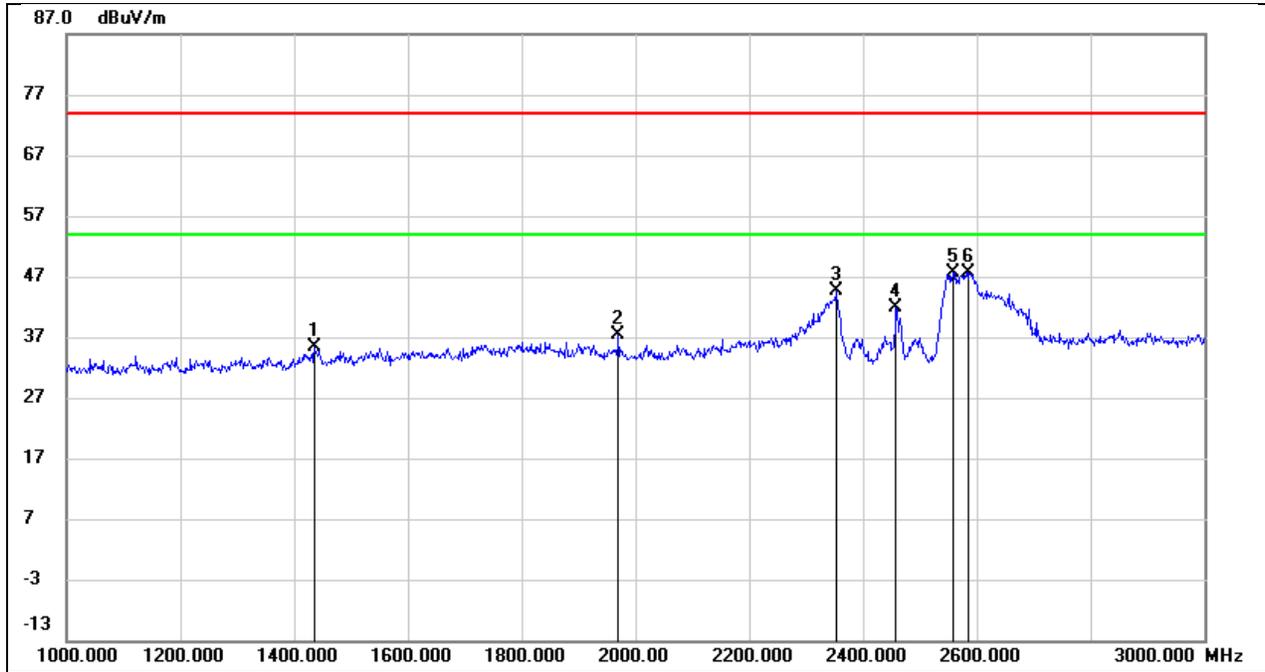
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1420.000	47.42	-12.35	35.07	74.00	-38.93	peak
2	1716.000	50.46	-10.55	39.91	74.00	-34.09	peak
3	1950.000	48.54	-10.06	38.48	74.00	-35.52	peak
4	2348.000	54.86	-8.78	46.08	74.00	-27.92	peak
5	2437.000	51.64	-8.44	43.20	/	/	Fundamental
6	2588.000	56.05	-7.82	48.23	74.00	-25.77	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 7.16V



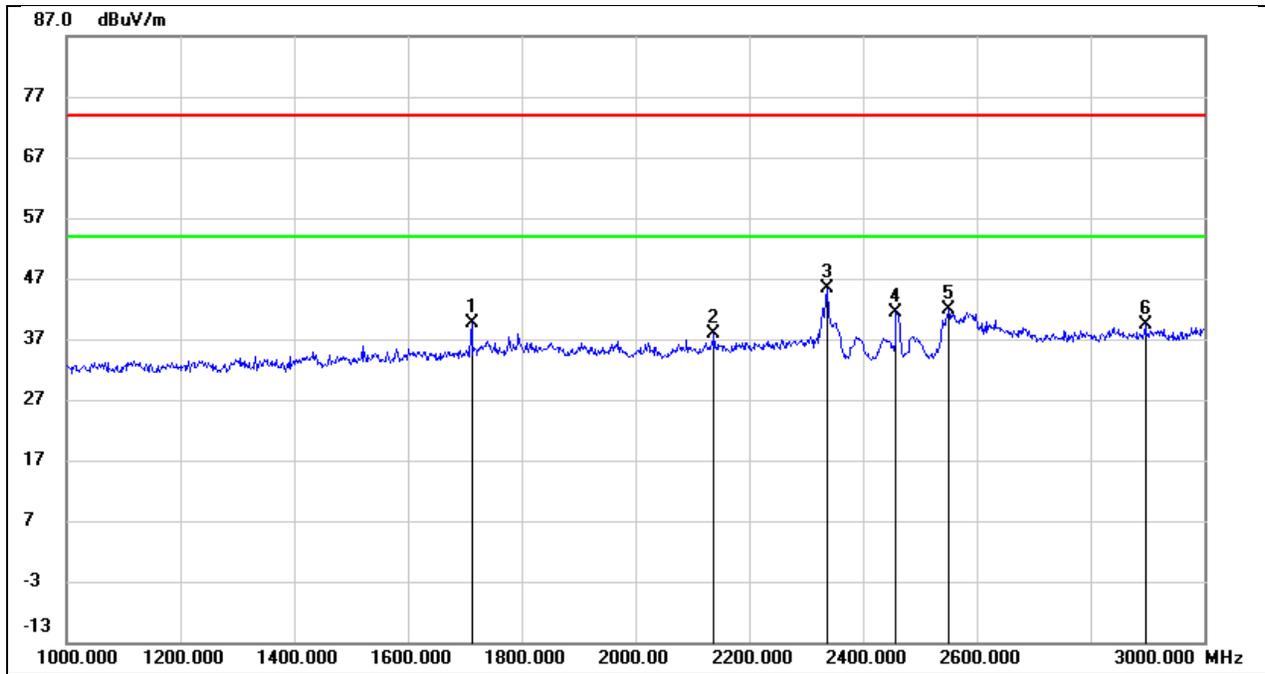
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1410.000	48.04	-12.19	35.85	74.00	-38.15	peak
2	1774.000	51.02	-9.61	41.41	74.00	-32.59	peak
3	2336.000	50.16	-8.00	42.16	74.00	-31.84	peak
4	2437.000	47.50	-7.63	39.87	/	/	Fundamental
5	2562.000	48.75	-7.07	41.68	74.00	-32.32	peak
6	2590.000	48.67	-6.92	41.75	74.00	-32.25	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1436.000	47.73	-12.25	35.48	74.00	-38.52	peak
2	1970.000	47.48	-10.09	37.39	74.00	-36.61	peak
3	2354.000	53.29	-8.76	44.53	74.00	-29.47	peak
4	2462.000	50.28	-8.37	41.91	/	/	Fundamental
5	2558.000	55.61	-7.95	47.66	74.00	-26.34	peak
6	2586.000	55.51	-7.83	47.68	74.00	-26.32	peak

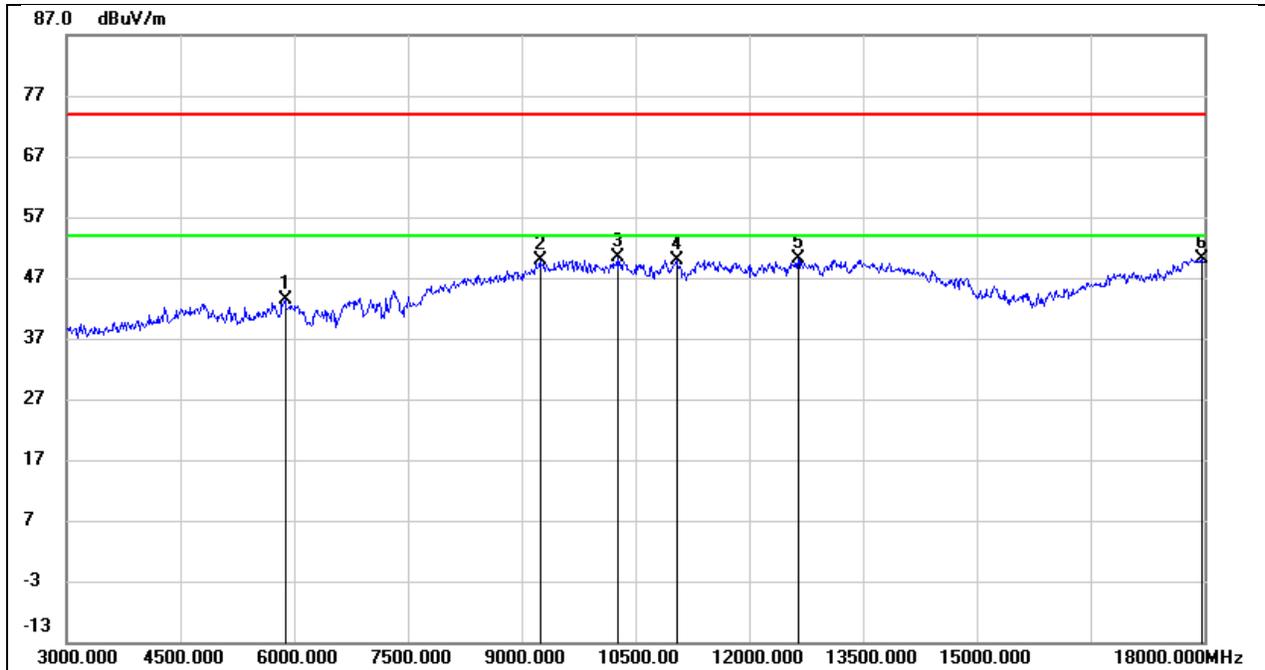
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1712.000	49.65	-10.14	39.51	74.00	-34.49	peak
2	2138.000	46.48	-8.70	37.78	74.00	-36.22	peak
3	2338.000	53.47	-7.99	45.48	74.00	-28.52	peak
4	2462.000	48.84	-7.57	41.27	/	/	Fundamental
5	2550.000	48.92	-7.13	41.79	74.00	-32.21	peak
6	2896.000	44.65	-5.28	39.37	74.00	-34.63	peak

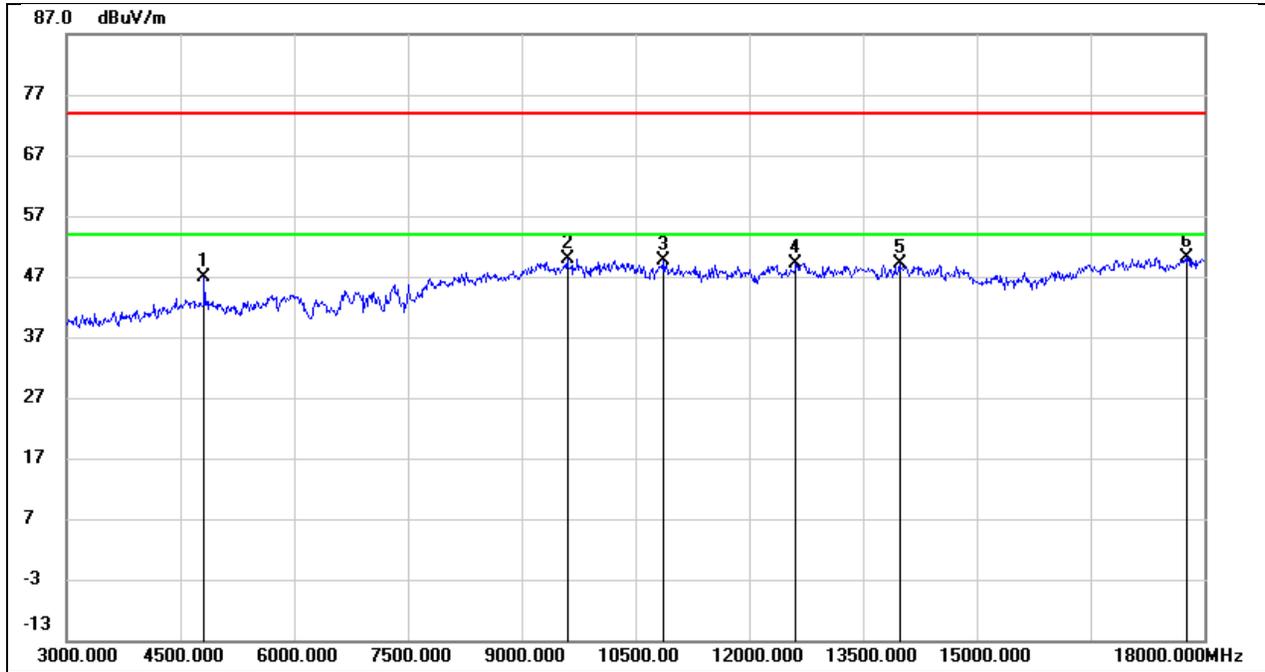
### 8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



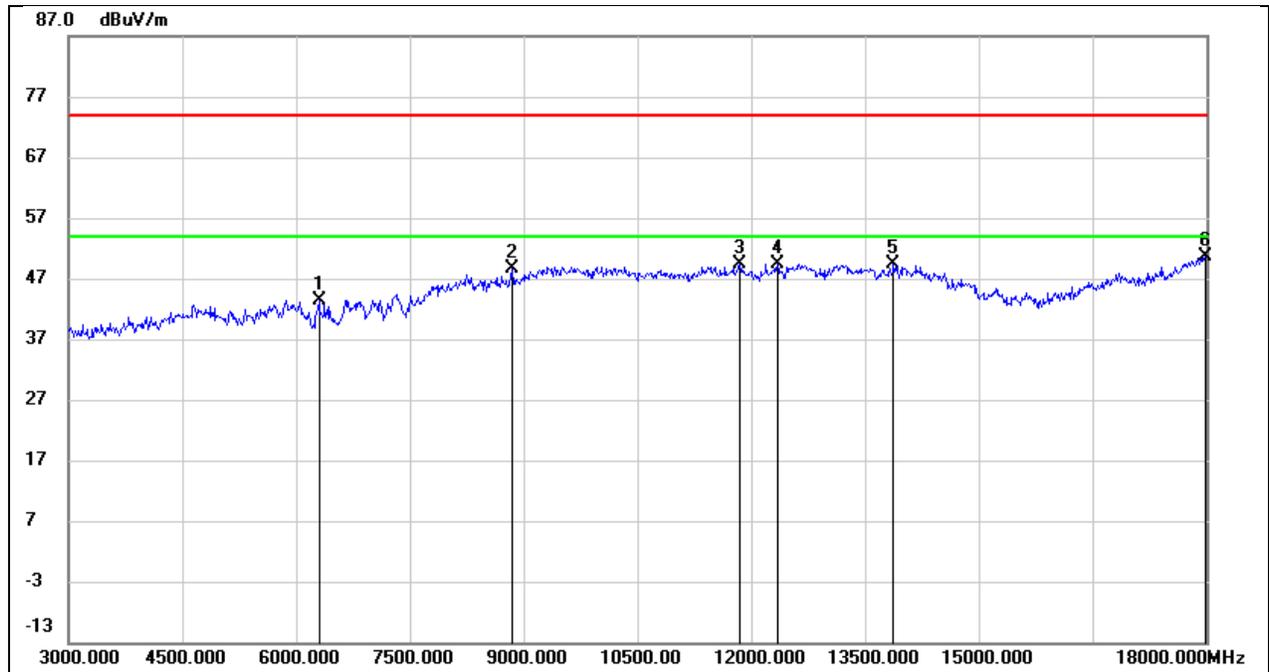
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5880.000	40.39	2.90	43.29	74.00	-30.71	peak
2	9240.000	38.54	11.25	49.79	74.00	-24.21	peak
3	10260.000	37.13	13.34	50.47	74.00	-23.53	peak
4	11040.000	33.76	16.19	49.95	74.00	-24.05	peak
5	12645.000	31.06	19.09	50.15	74.00	-23.85	peak
6	17970.000	20.81	29.33	50.14	74.00	-23.86	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



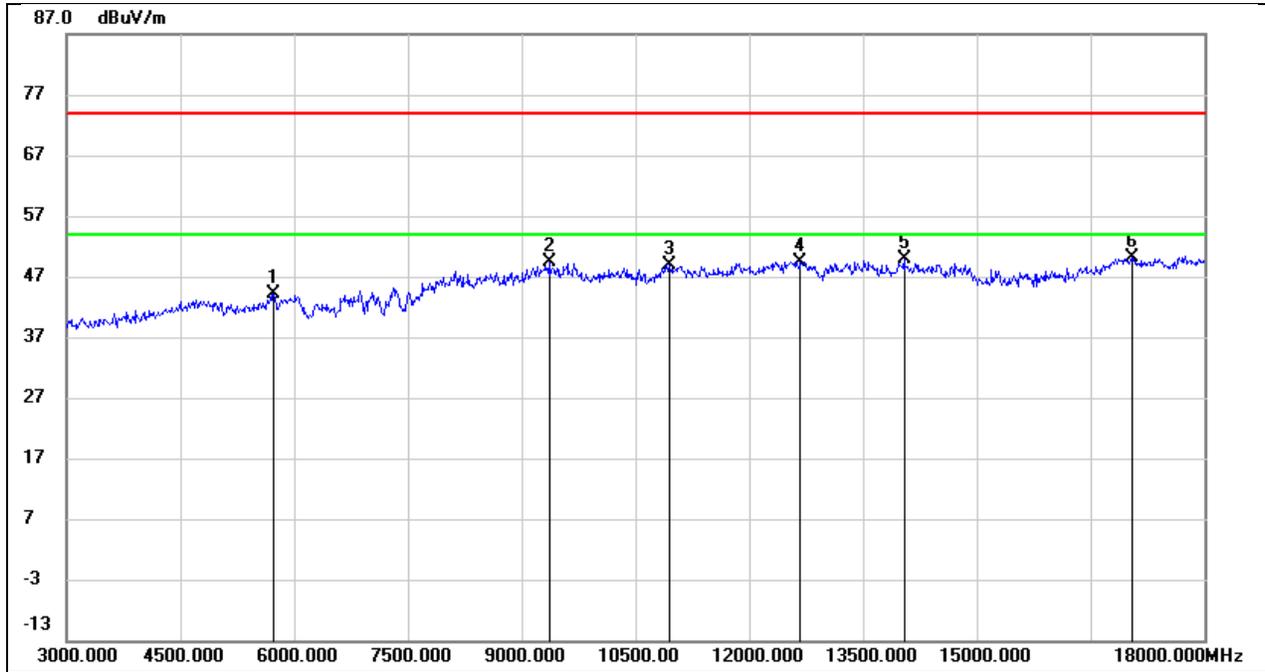
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	45.18	1.59	46.77	74.00	-27.23	peak
2	9600.000	37.08	12.69	49.77	74.00	-24.23	peak
3	10875.000	34.93	14.62	49.55	74.00	-24.45	peak
4	12615.000	31.06	18.04	49.10	74.00	-24.90	peak
5	13980.000	27.02	22.11	49.13	74.00	-24.87	peak
6	17775.000	24.00	26.21	50.21	74.00	-23.79	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 7.16V



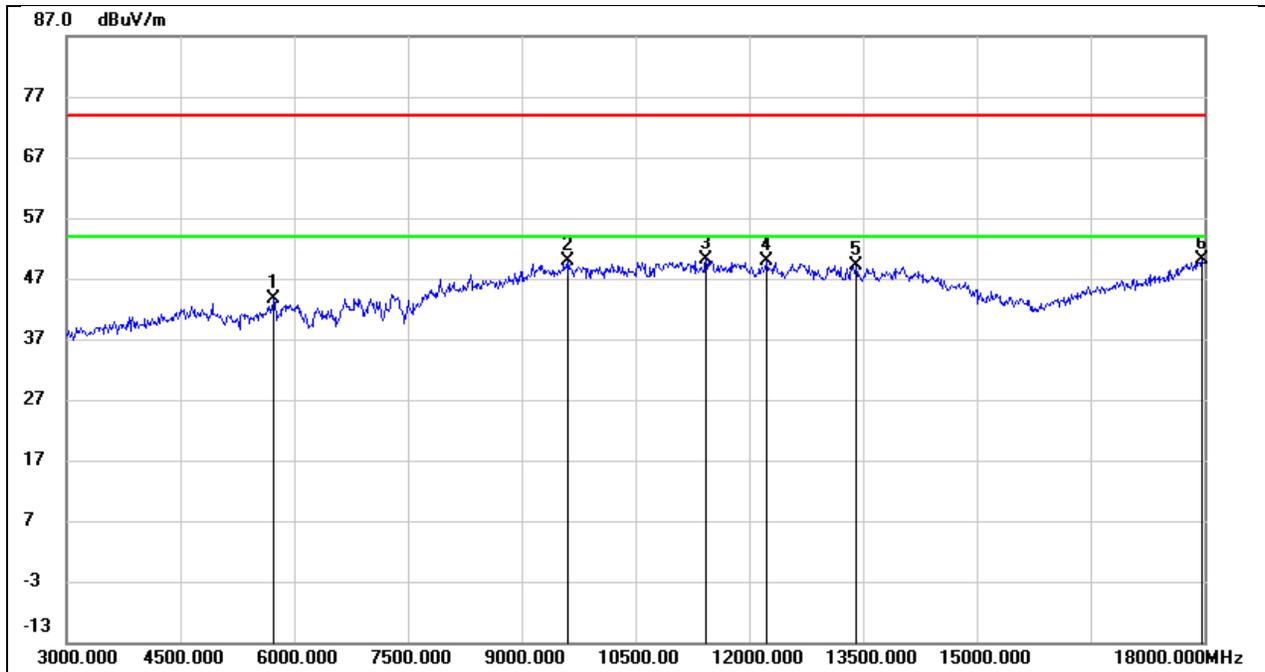
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6300.000	39.21	4.19	43.40	74.00	-30.60	peak
2	8850.000	38.93	9.72	48.65	74.00	-25.35	peak
3	11850.000	30.92	18.55	49.47	74.00	-24.53	peak
4	12345.000	30.58	18.90	49.48	74.00	-24.52	peak
5	13875.000	26.01	23.26	49.27	74.00	-24.73	peak
6	17985.000	21.13	29.49	50.62	74.00	-23.38	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 7.16V



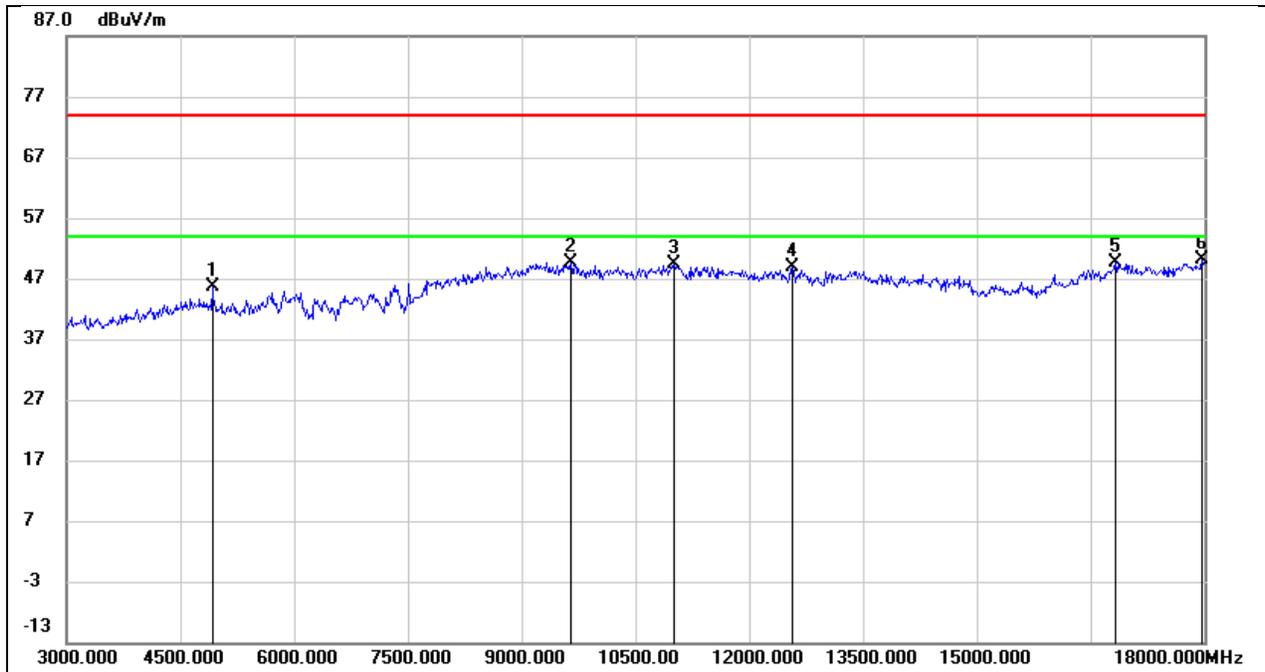
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5730.000	40.49	3.71	44.20	74.00	-29.80	peak
2	9360.000	37.46	11.89	49.35	74.00	-24.65	peak
3	10950.000	34.00	14.94	48.94	74.00	-25.06	peak
4	12675.000	31.31	18.17	49.48	74.00	-24.52	peak
5	14040.000	27.63	22.21	49.84	74.00	-24.16	peak
6	17055.000	24.87	25.21	50.08	74.00	-23.92	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 7.16V



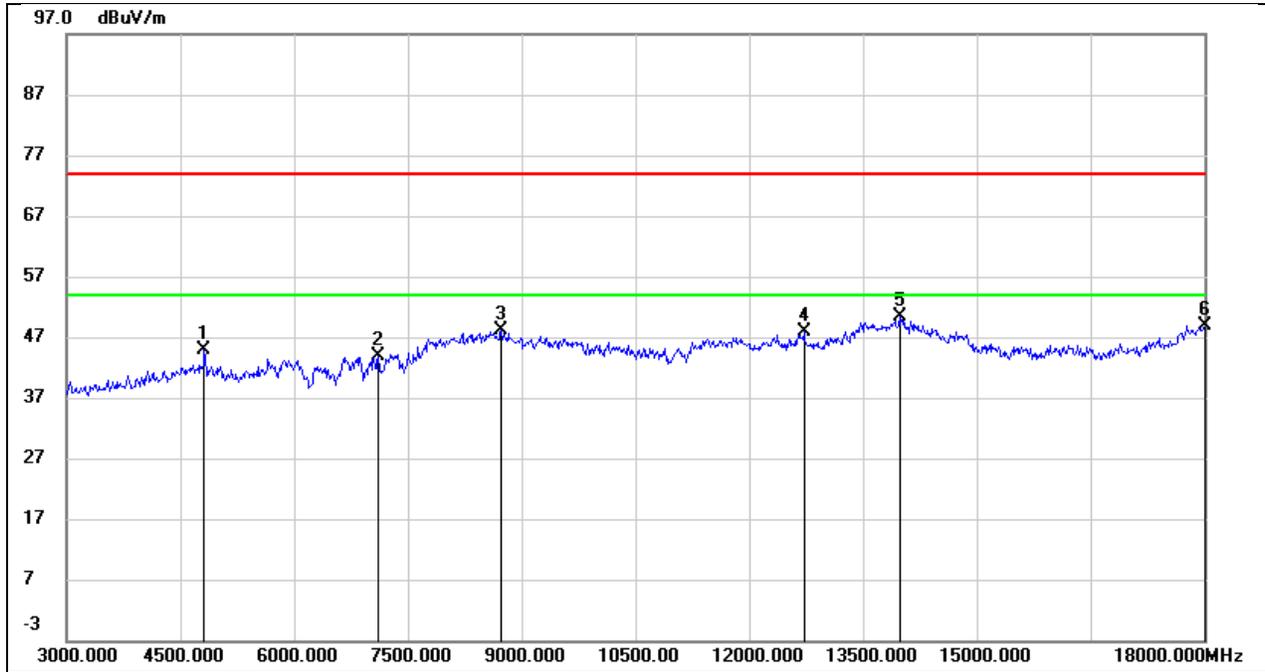
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5730.000	40.98	2.60	43.58	74.00	-30.42	peak
2	9600.000	37.13	12.83	49.96	74.00	-24.04	peak
3	11430.000	32.53	17.72	50.25	74.00	-23.75	peak
4	12225.000	31.24	18.76	50.00	74.00	-24.00	peak
5	13410.000	27.00	22.08	49.08	74.00	-24.92	peak
6	17970.000	20.74	29.33	50.07	74.00	-23.93	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



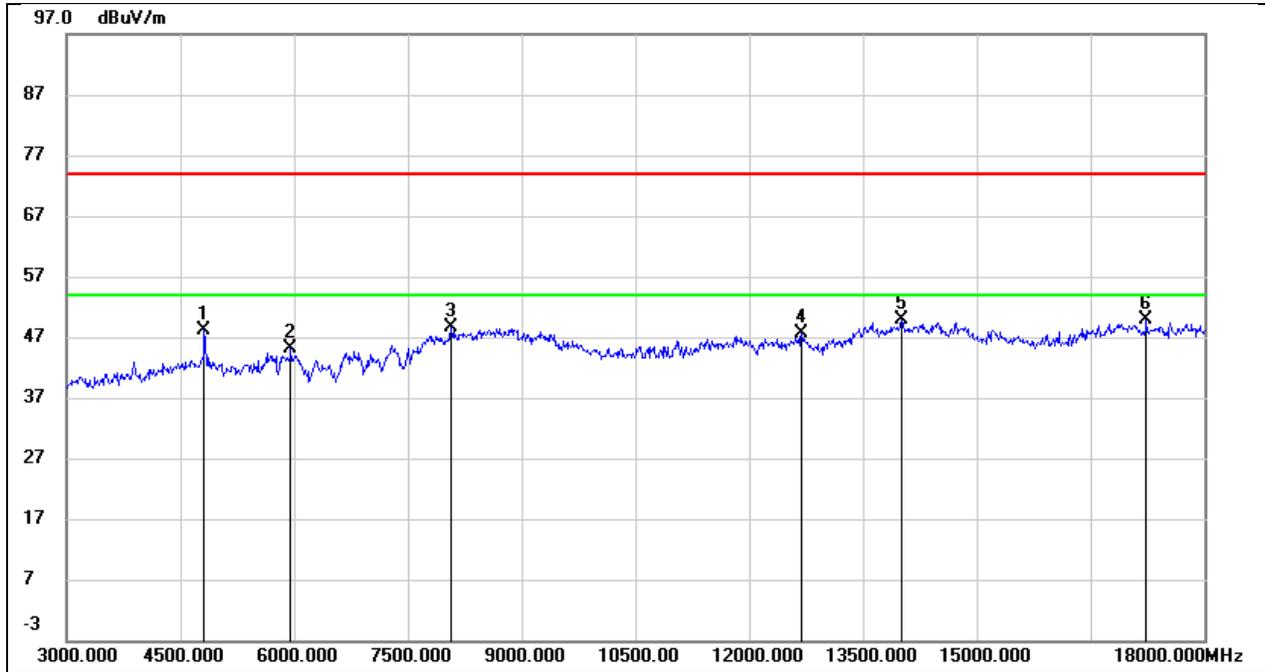
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	43.78	1.91	45.69	74.00	-28.31	peak
2	9645.000	36.93	12.73	49.66	74.00	-24.34	peak
3	11010.000	34.25	15.20	49.45	74.00	-24.55	peak
4	12570.000	30.90	18.00	48.90	74.00	-25.10	peak
5	16830.000	24.75	24.97	49.72	74.00	-24.28	peak
6	17970.000	22.80	27.26	50.06	74.00	-23.94	peak

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



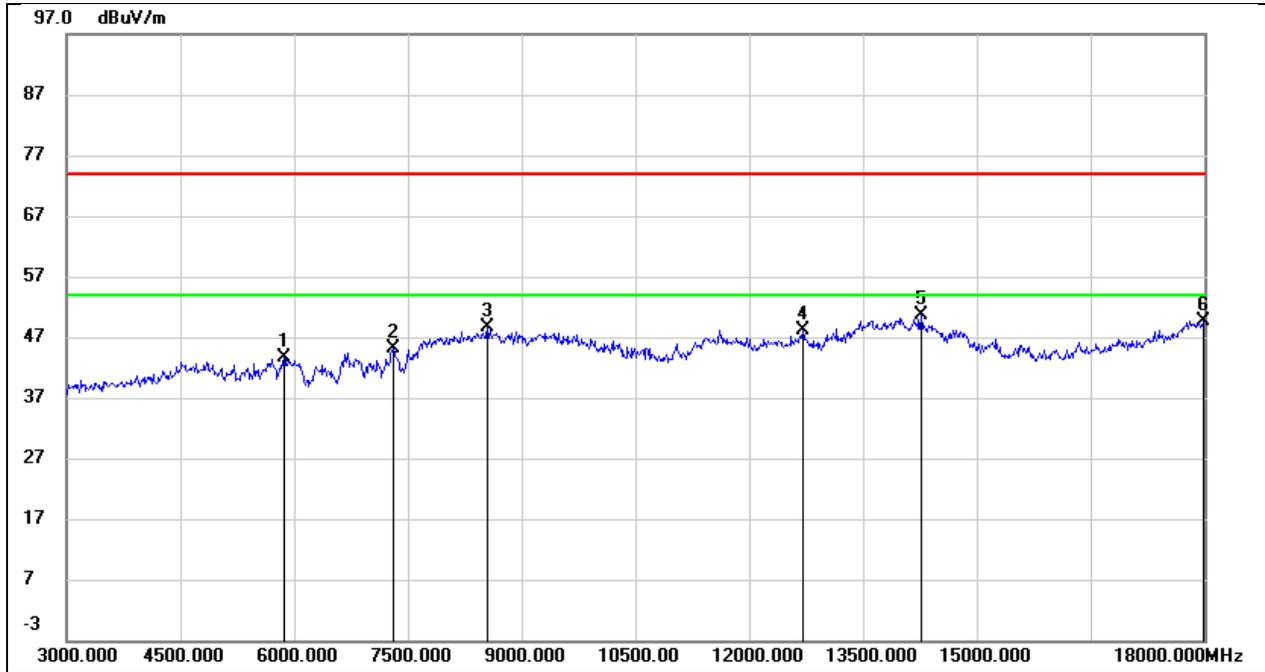
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	44.40	0.50	44.90	74.00	-29.10	peak
2	7110.000	37.30	6.64	43.94	74.00	-30.06	peak
3	8730.000	38.69	9.47	48.16	74.00	-25.84	peak
4	12720.000	28.62	19.29	47.91	74.00	-26.09	peak
5	13980.000	26.58	23.71	50.29	74.00	-23.71	peak
6	18000.000	19.26	29.64	48.90	74.00	-25.10	peak

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



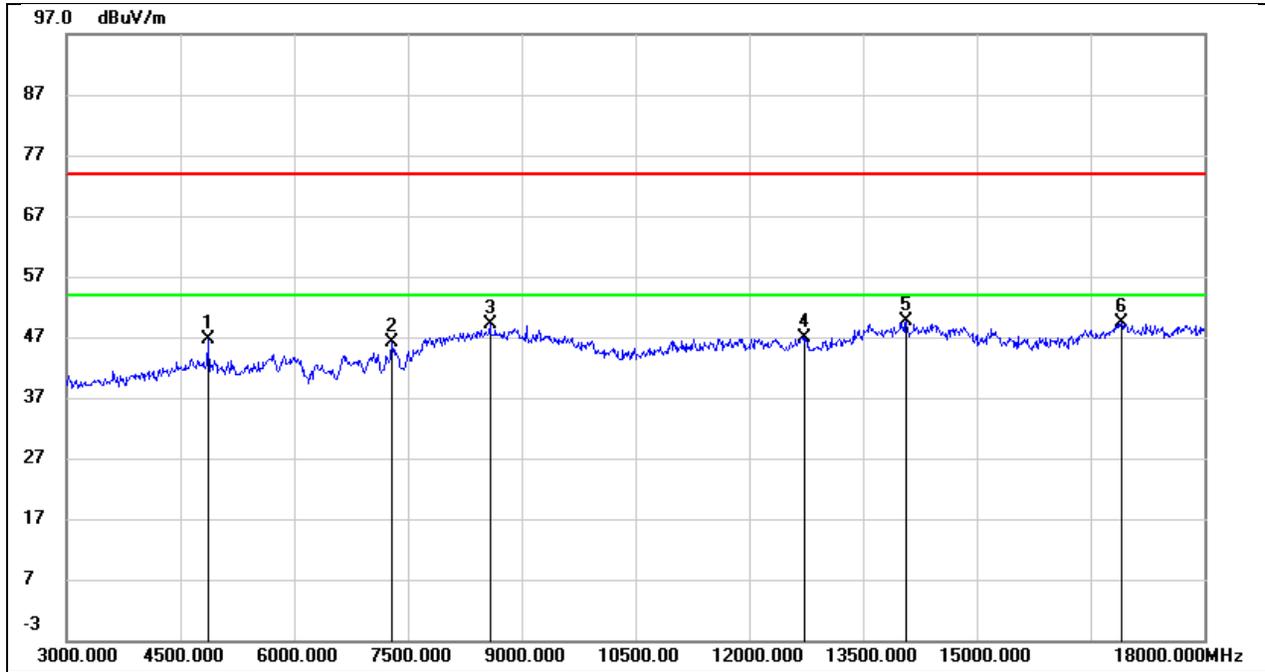
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	46.61	1.59	48.20	74.00	-25.80	peak
2	5955.000	40.95	4.06	45.01	74.00	-28.99	peak
3	8070.000	39.83	8.74	48.57	74.00	-25.43	peak
4	12690.000	29.45	18.19	47.64	74.00	-26.36	peak
5	14010.000	27.77	22.20	49.97	74.00	-24.03	peak
6	17235.000	24.59	25.33	49.92	74.00	-24.08	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 7.16V



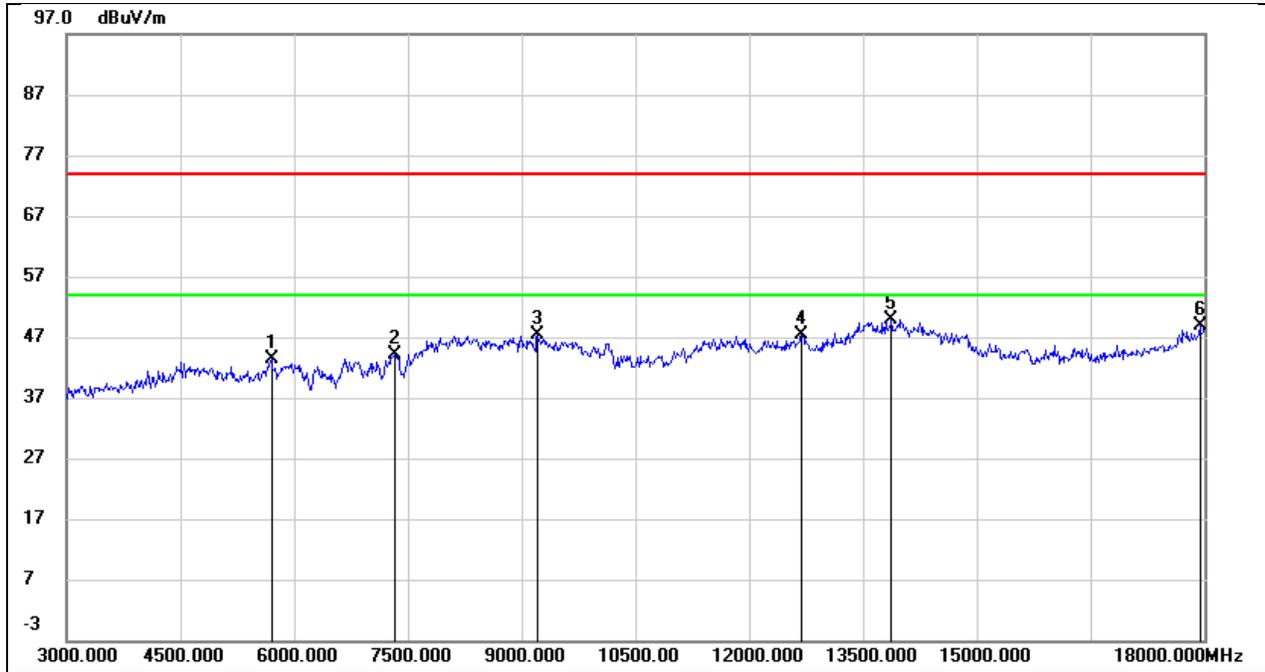
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5865.000	40.75	2.86	43.61	74.00	-30.39	peak
2	7305.000	38.11	7.03	45.14	74.00	-28.86	peak
3	8550.000	39.43	9.17	48.60	74.00	-25.40	peak
4	12705.000	28.97	19.25	48.22	74.00	-25.78	peak
5	14265.000	27.60	23.01	50.61	74.00	-23.39	peak
6	17985.000	20.23	29.49	49.72	74.00	-24.28	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 7.16V



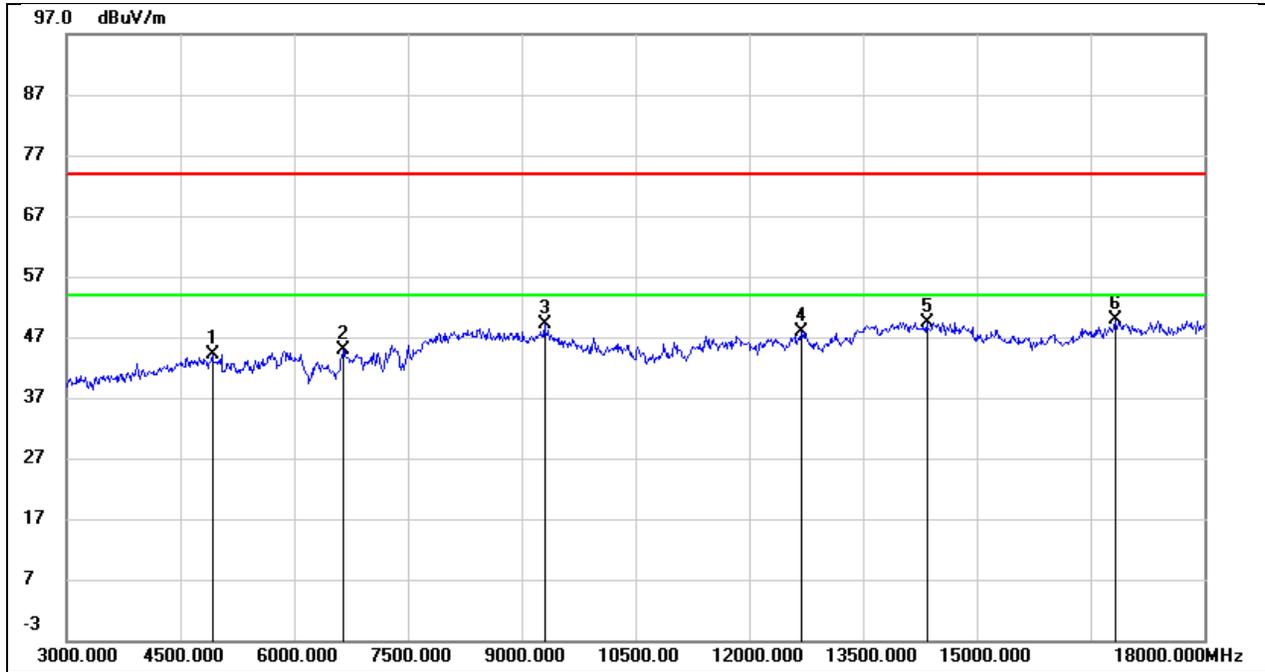
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	44.96	1.73	46.69	74.00	-27.31	peak
2	7290.000	38.51	7.68	46.19	74.00	-27.81	peak
3	8580.000	39.21	9.82	49.03	74.00	-24.97	peak
4	12735.000	28.70	18.29	46.99	74.00	-27.01	peak
5	14070.000	27.37	22.23	49.60	74.00	-24.40	peak
6	16905.000	24.34	25.06	49.40	74.00	-24.60	peak

Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 7.16V



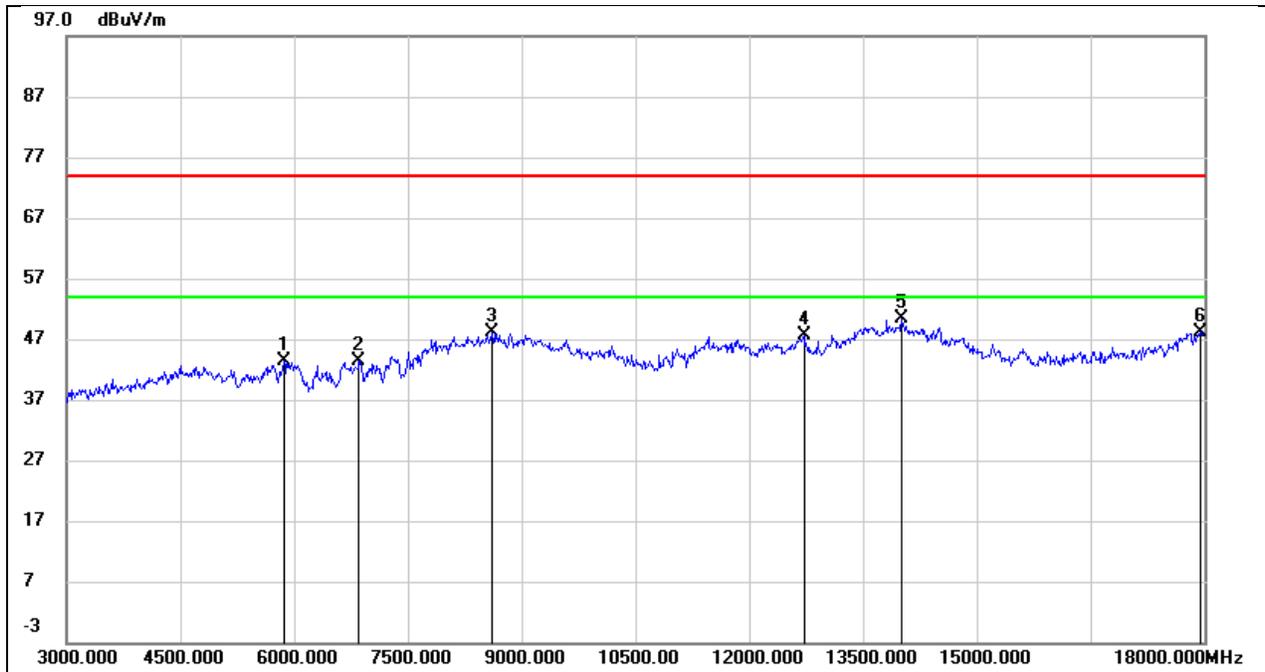
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.000	40.75	2.53	43.28	74.00	-30.72	peak
2	7335.000	37.06	7.07	44.13	74.00	-29.87	peak
3	9210.000	36.21	11.13	47.34	74.00	-26.66	peak
4	12690.000	28.09	19.21	47.30	74.00	-26.70	peak
5	13875.000	26.65	23.26	49.91	74.00	-24.09	peak
6	17940.000	19.80	29.03	48.83	74.00	-25.17	peak

Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



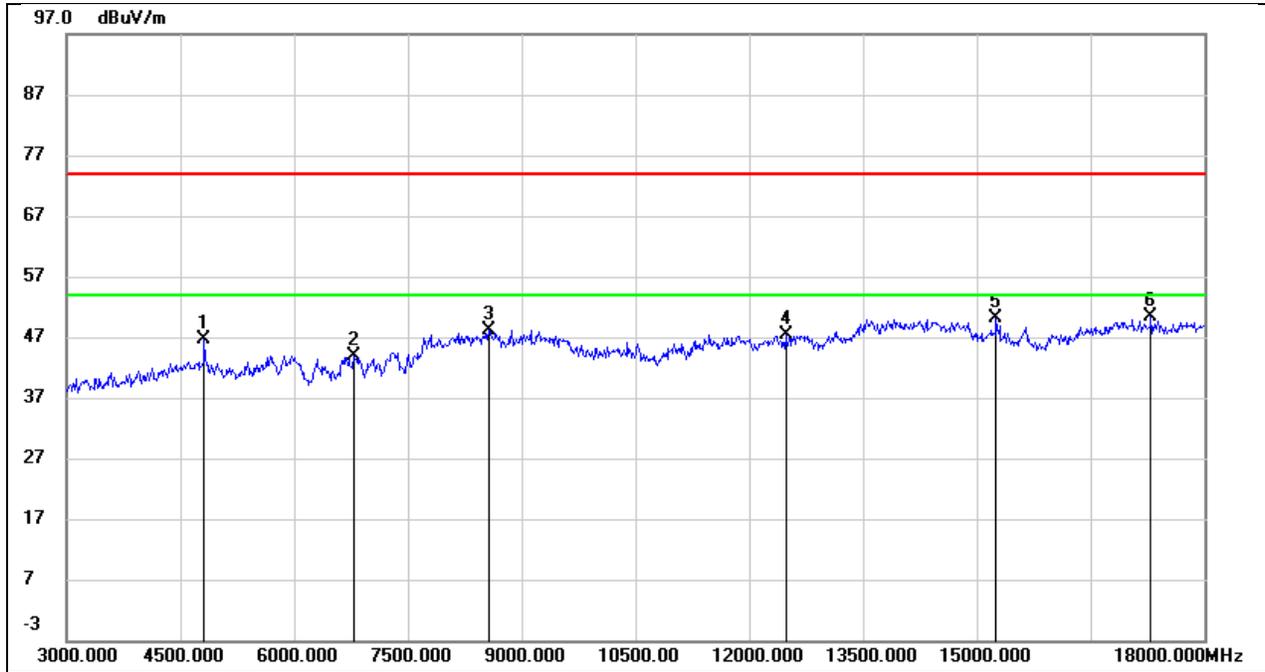
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	42.34	1.91	44.25	74.00	-29.75	peak
2	6645.000	38.86	6.07	44.93	74.00	-29.07	peak
3	9300.000	37.38	11.68	49.06	74.00	-24.94	peak
4	12690.000	29.67	18.19	47.86	74.00	-26.14	peak
5	14340.000	27.57	21.89	49.46	74.00	-24.54	peak
6	16830.000	25.00	24.97	49.97	74.00	-24.03	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



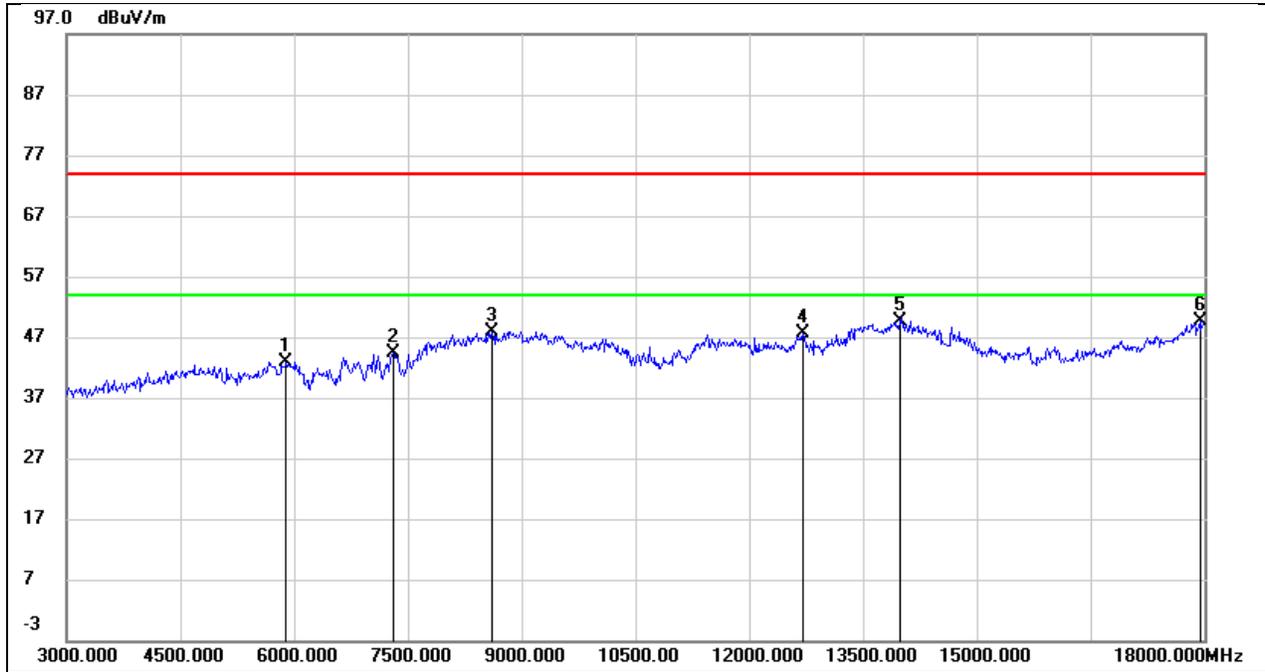
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5865.000	40.55	2.86	43.41	74.00	-30.59	peak
2	6855.000	37.43	6.01	43.44	74.00	-30.56	peak
3	8610.000	38.83	9.32	48.15	74.00	-25.85	peak
4	12720.000	28.23	19.29	47.52	74.00	-26.48	peak
5	14010.000	26.50	23.78	50.28	74.00	-23.72	peak
6	17940.000	19.17	29.03	48.20	74.00	-25.80	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



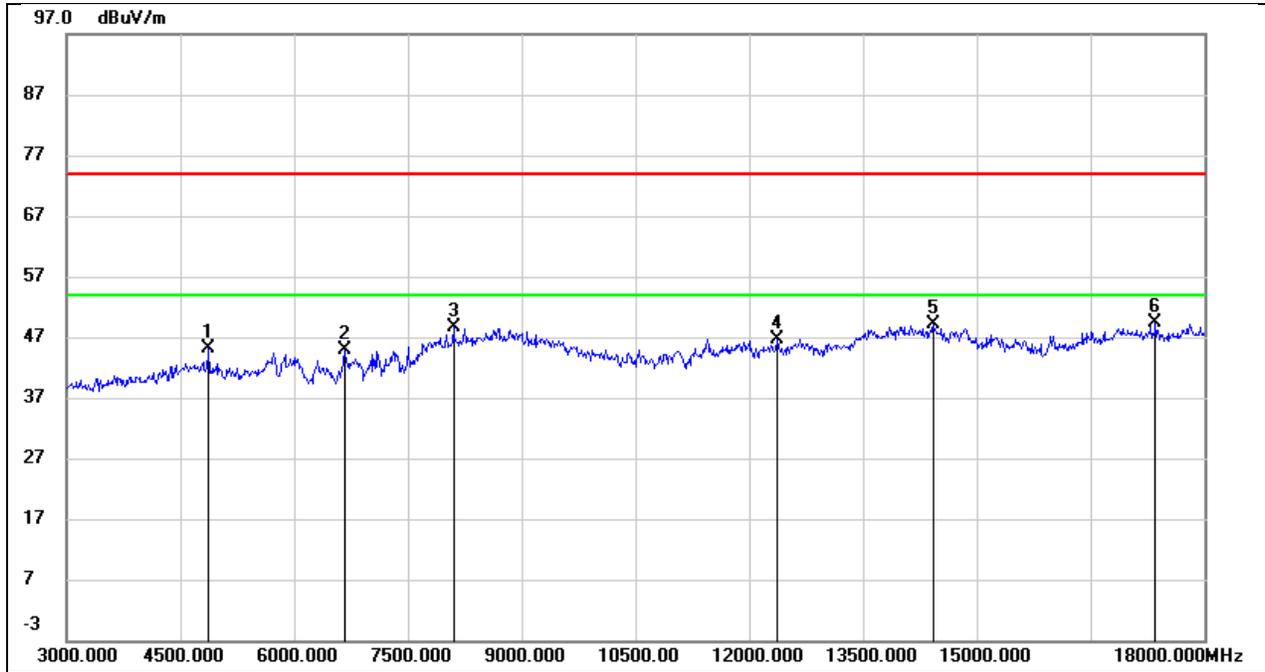
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	45.11	1.59	46.70	74.00	-27.30	peak
2	6780.000	37.25	6.65	43.90	74.00	-30.10	peak
3	8565.000	38.46	9.78	48.24	74.00	-25.76	peak
4	12480.000	29.48	18.01	47.49	74.00	-26.51	peak
5	15255.000	29.45	20.58	50.03	74.00	-23.97	peak
6	17295.000	25.10	25.36	50.46	74.00	-23.54	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 7.16V



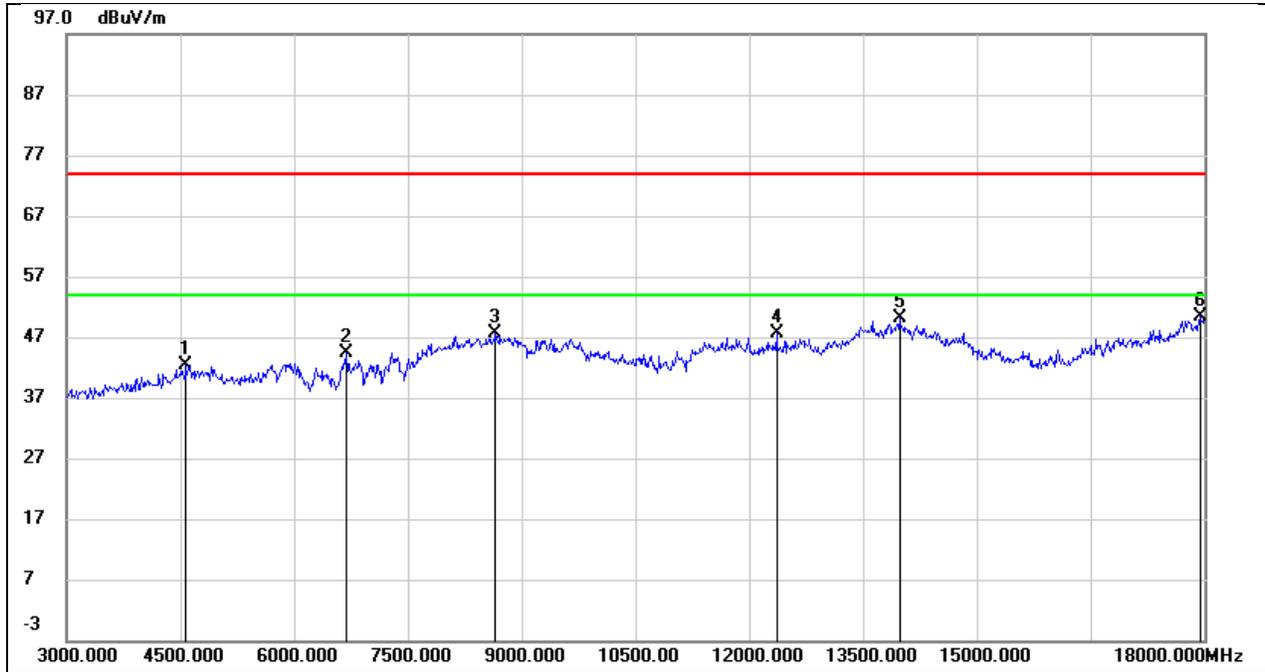
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5895.000	39.84	2.92	42.76	74.00	-31.24	peak
2	7305.000	37.39	7.03	44.42	74.00	-29.58	peak
3	8610.000	38.59	9.32	47.91	74.00	-26.09	peak
4	12705.000	28.26	19.25	47.51	74.00	-26.49	peak
5	13995.000	25.88	23.78	49.66	74.00	-24.34	peak
6	17940.000	20.49	29.03	49.52	74.00	-24.48	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 7.16V



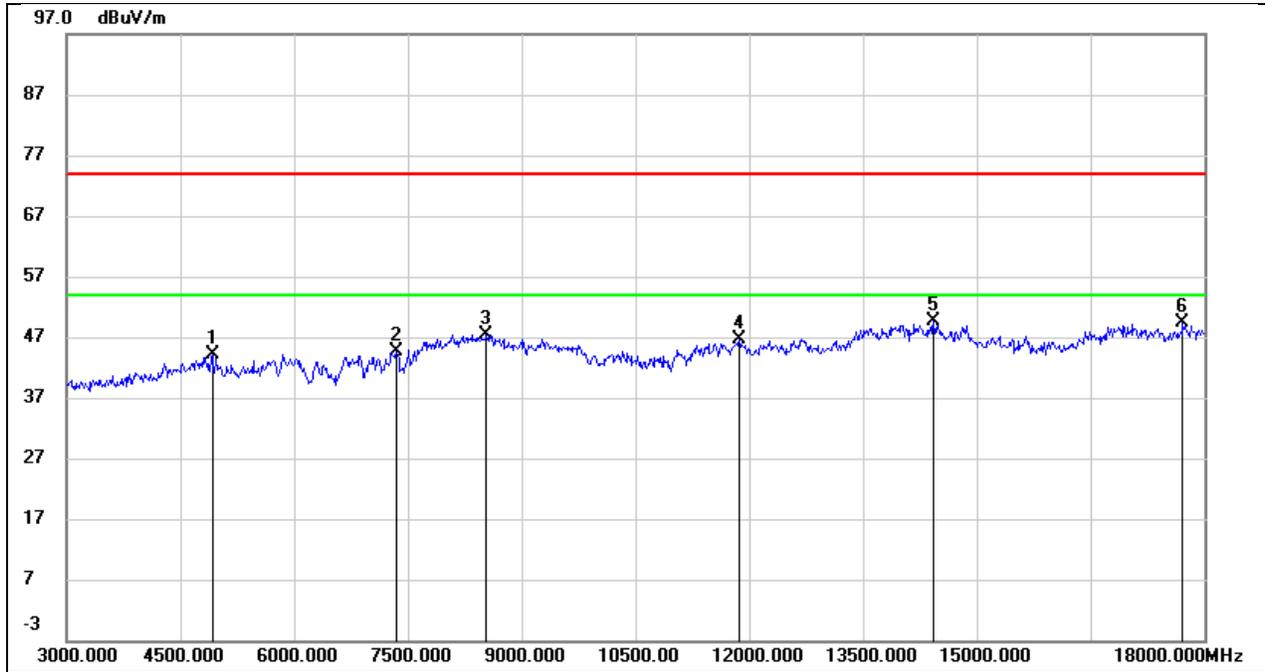
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	43.38	1.78	45.16	74.00	-28.84	peak
2	6660.000	38.63	6.14	44.77	74.00	-29.23	peak
3	8100.000	39.81	8.81	48.62	74.00	-25.38	peak
4	12360.000	28.74	17.96	46.70	74.00	-27.30	peak
5	14430.000	27.50	21.68	49.18	74.00	-24.82	peak
6	17355.000	23.92	25.37	49.29	74.00	-24.71	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 7.16V



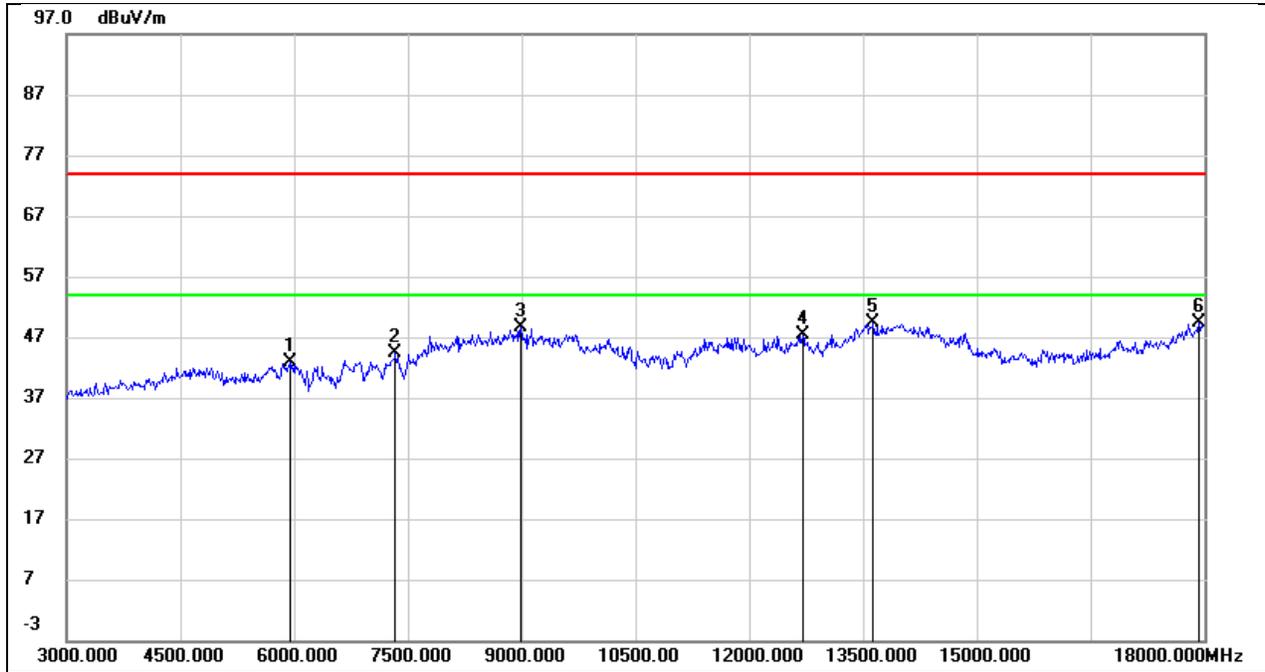
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4575.000	42.68	-0.21	42.47	74.00	-31.53	peak
2	6690.000	38.90	5.42	44.32	74.00	-29.68	peak
3	8655.000	38.34	9.38	47.72	74.00	-26.28	peak
4	12360.000	28.63	18.92	47.55	74.00	-26.45	peak
5	13980.000	26.31	23.71	50.02	74.00	-23.98	peak
6	17940.000	21.29	29.03	50.32	74.00	-23.68	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



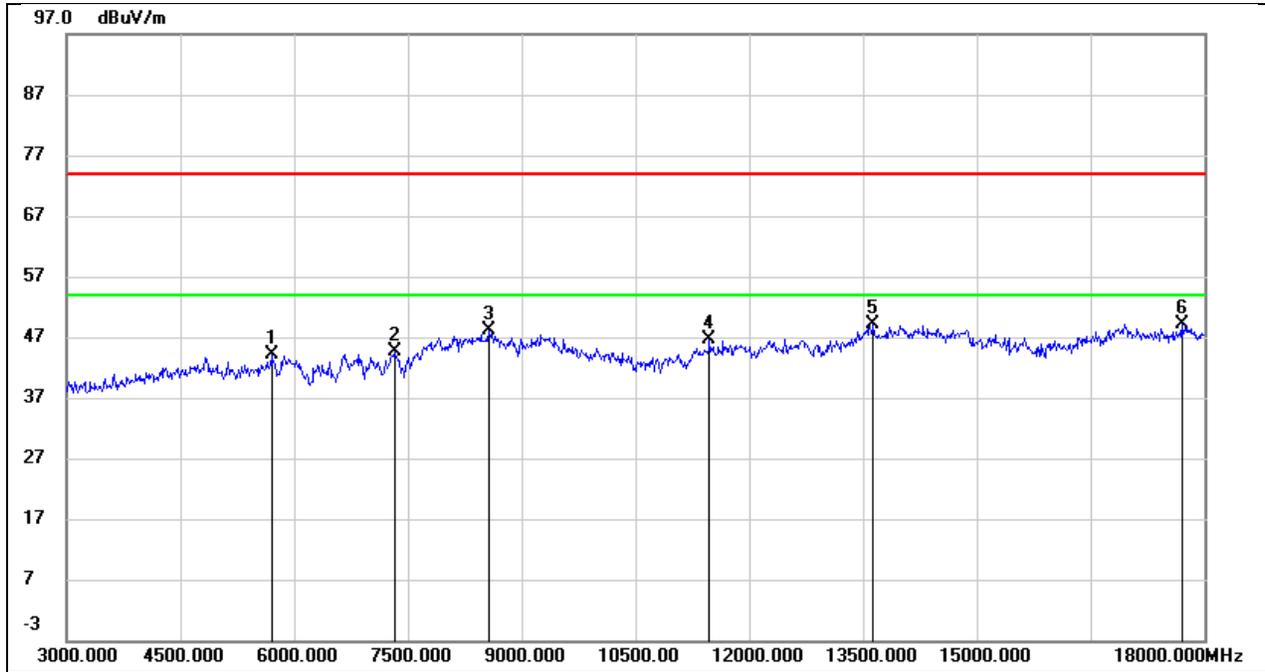
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	42.28	1.91	44.19	74.00	-29.81	peak
2	7350.000	36.87	7.71	44.58	74.00	-29.42	peak
3	8535.000	37.75	9.71	47.46	74.00	-26.54	peak
4	11865.000	29.34	17.37	46.71	74.00	-27.29	peak
5	14430.000	28.05	21.68	49.73	74.00	-24.27	peak
6	17715.000	23.22	26.04	49.26	74.00	-24.74	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 7.16V



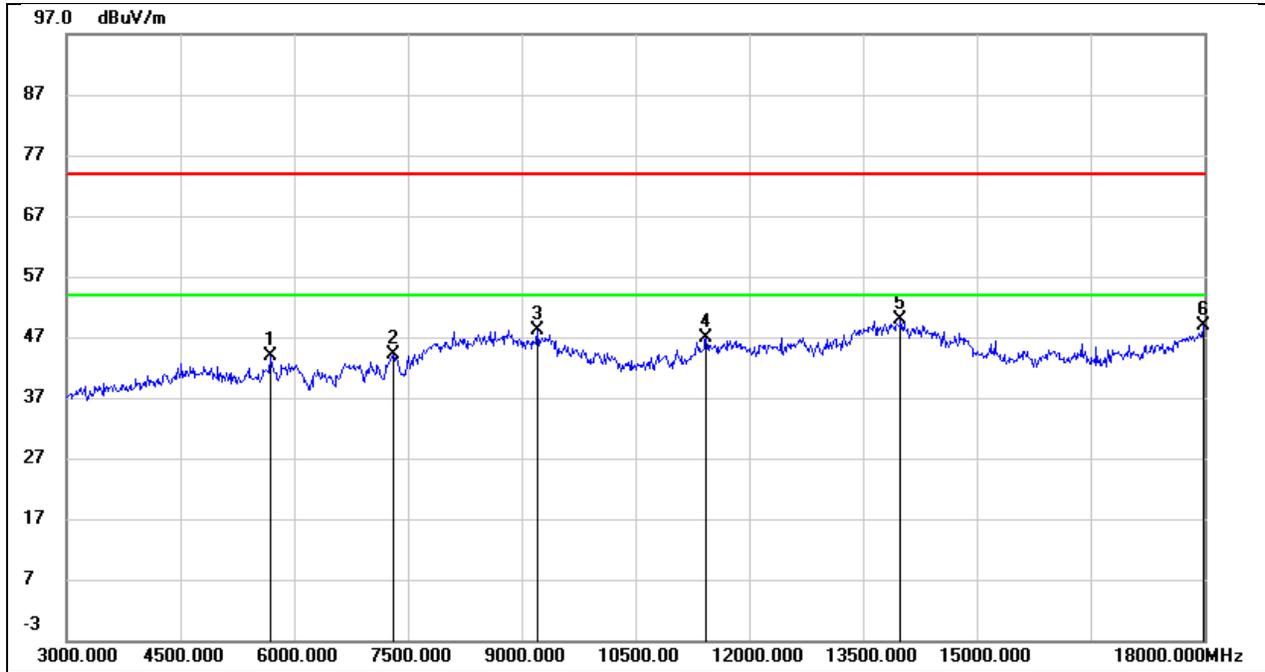
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5955.000	39.88	3.04	42.92	74.00	-31.08	peak
2	7335.000	37.38	7.07	44.45	74.00	-29.55	peak
3	8985.000	38.62	10.12	48.74	74.00	-25.26	peak
4	12705.000	28.14	19.25	47.39	74.00	-26.61	peak
5	13635.000	26.78	22.68	49.46	74.00	-24.54	peak
6	17925.000	20.52	28.87	49.39	74.00	-24.61	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 7.16V



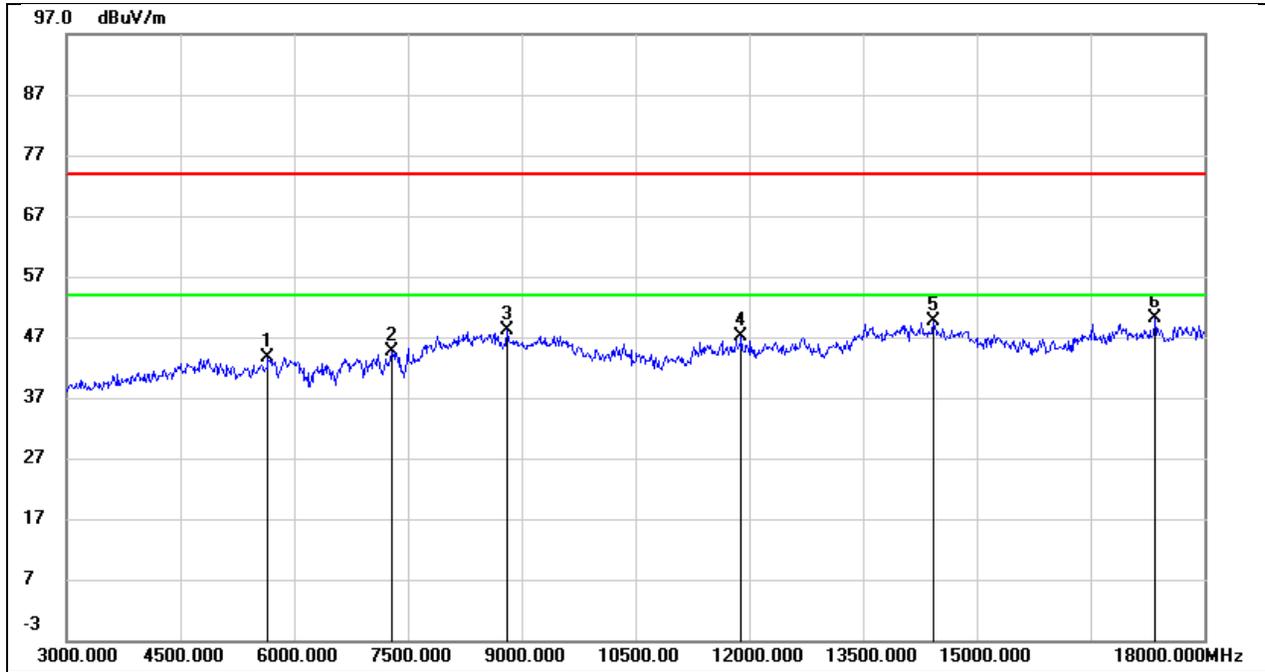
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.000	40.50	3.65	44.15	74.00	-29.85	peak
2	7320.000	36.87	7.69	44.56	74.00	-29.44	peak
3	8565.000	38.23	9.78	48.01	74.00	-25.99	peak
4	11475.000	30.20	16.42	46.62	74.00	-27.38	peak
5	13635.000	28.04	21.01	49.05	74.00	-24.95	peak
6	17700.000	23.14	25.99	49.13	74.00	-24.87	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 7.16V



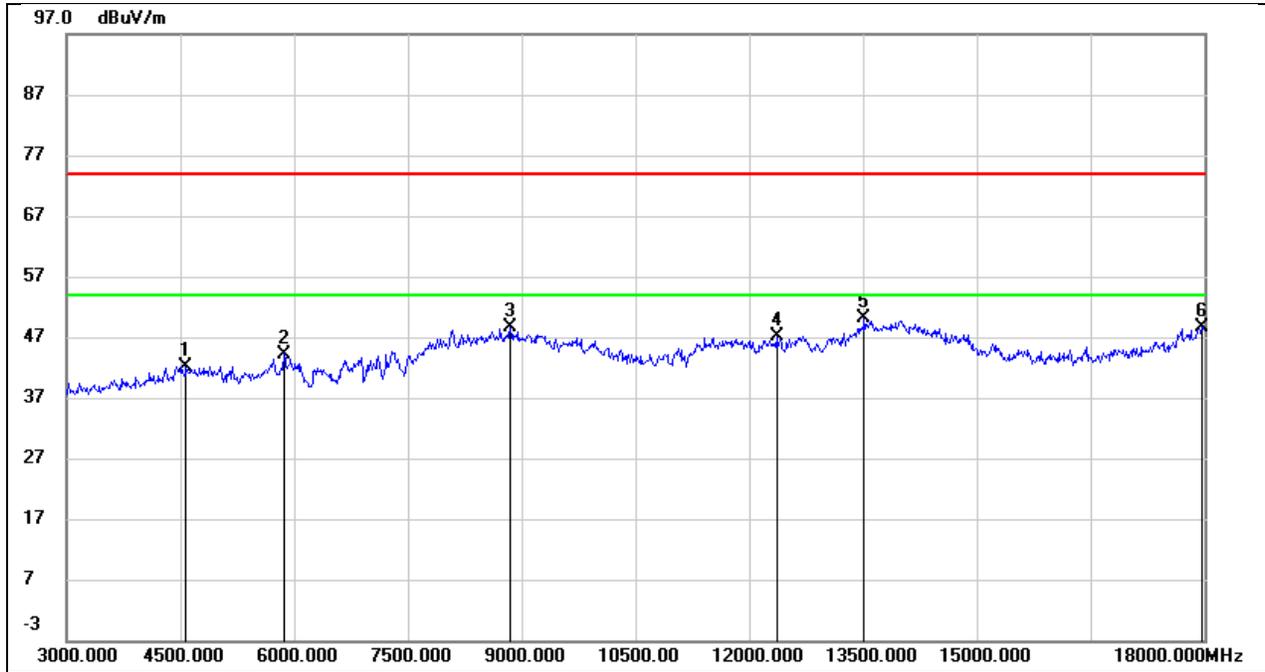
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5685.000	41.29	2.51	43.80	74.00	-30.20	peak
2	7305.000	37.14	7.03	44.17	74.00	-29.83	peak
3	9210.000	37.02	11.13	48.15	74.00	-25.85	peak
4	11430.000	29.15	17.72	46.87	74.00	-27.13	peak
5	13995.000	26.07	23.78	49.85	74.00	-24.15	peak
6	17985.000	19.33	29.49	48.82	74.00	-25.18	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 7.16V



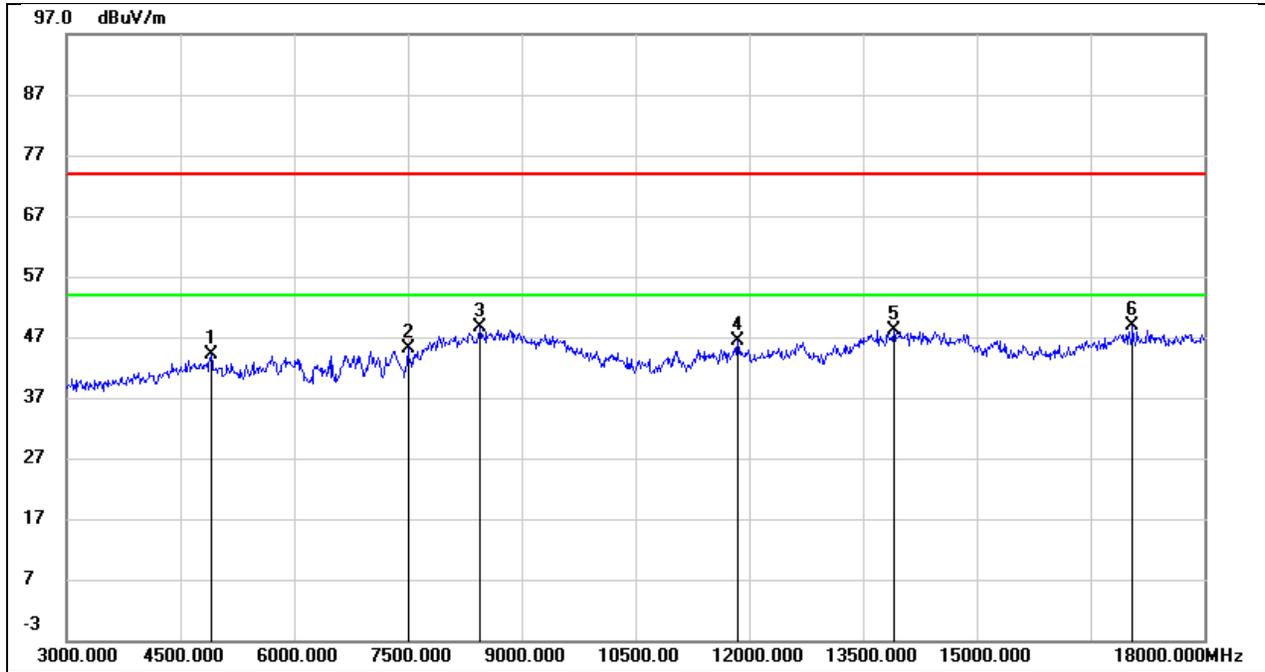
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5655.000	39.99	3.58	43.57	74.00	-30.43	peak
2	7290.000	36.98	7.68	44.66	74.00	-29.34	peak
3	8805.000	37.97	10.05	48.02	74.00	-25.98	peak
4	11895.000	29.58	17.43	47.01	74.00	-26.99	peak
5	14430.000	27.94	21.68	49.62	74.00	-24.38	peak
6	17355.000	24.65	25.37	50.02	74.00	-23.98	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2452
Polarity:	Horizontal	Test Voltage:	DC 7.16V



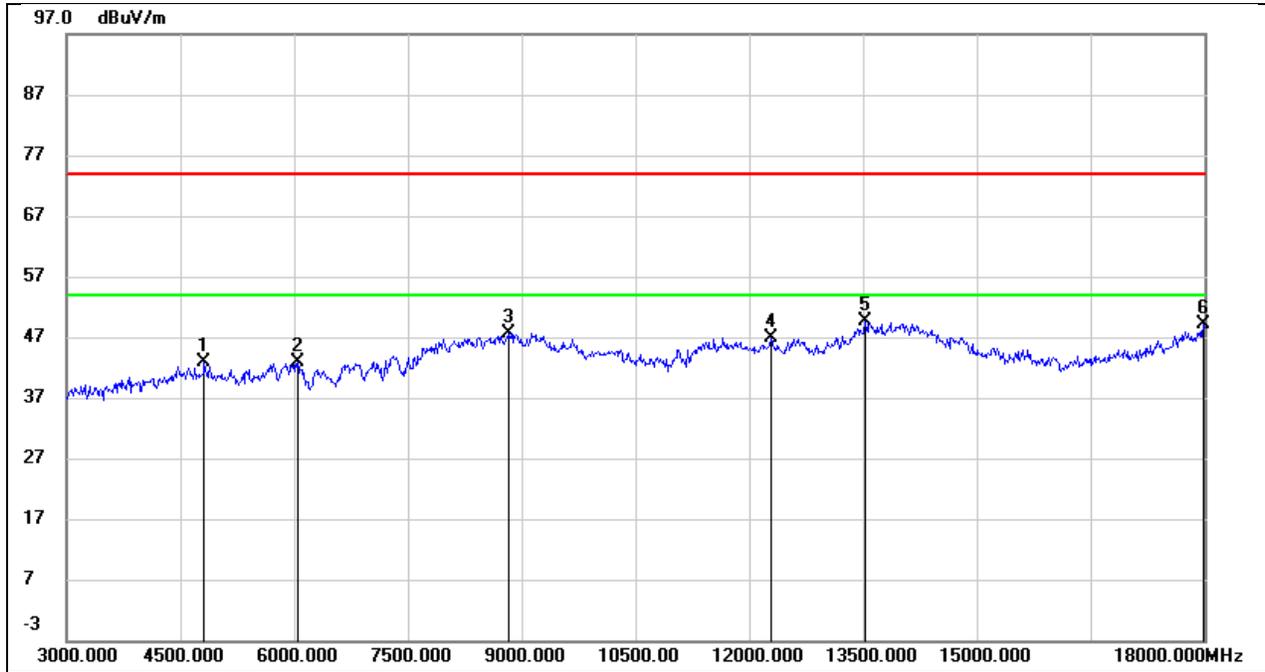
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4575.000	42.39	-0.21	42.18	74.00	-31.82	peak
2	5865.000	41.39	2.86	44.25	74.00	-29.75	peak
3	8850.000	38.83	9.72	48.55	74.00	-25.45	peak
4	12360.000	28.28	18.92	47.20	74.00	-26.80	peak
5	13515.000	27.64	22.47	50.11	74.00	-23.89	peak
6	17970.000	19.28	29.33	48.61	74.00	-25.39	peak

Test Mode:	802.11n HT40	Frequency(MHz):	2452
Polarity:	Vertical	Test Voltage:	DC 7.16V



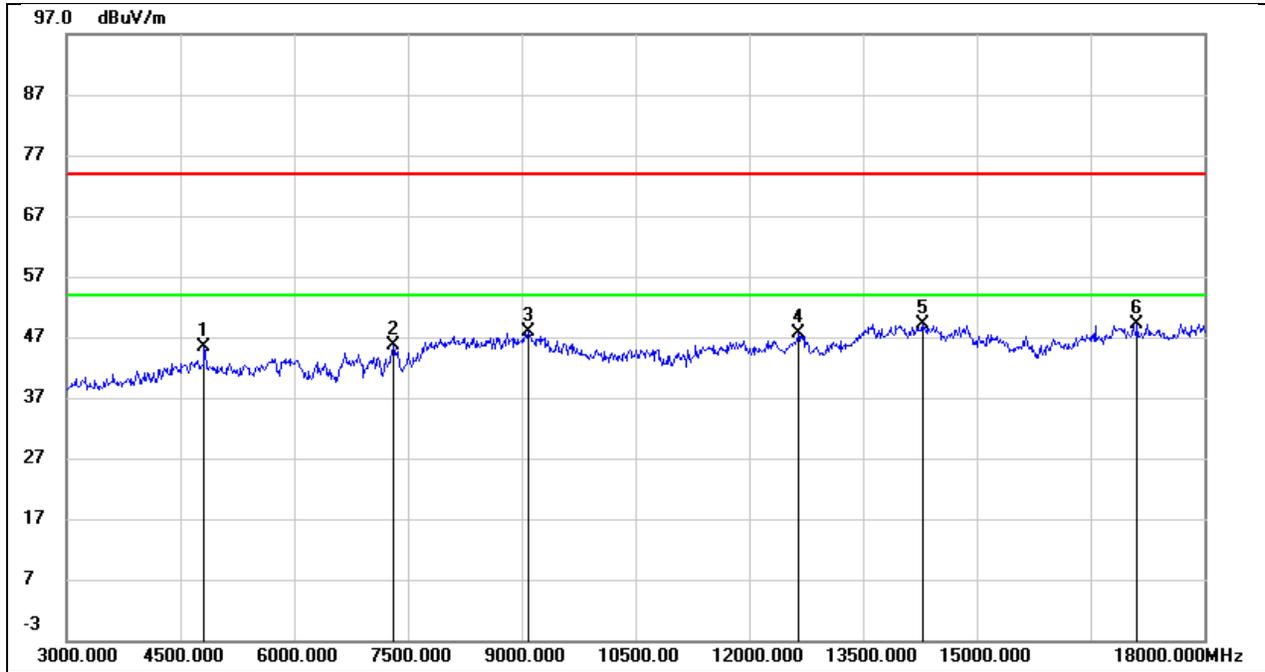
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4905.000	42.18	1.86	44.04	74.00	-29.96	peak
2	7500.000	37.19	7.89	45.08	74.00	-28.92	peak
3	8445.000	39.04	9.54	48.58	74.00	-25.42	peak
4	11850.000	28.94	17.33	46.27	74.00	-27.73	peak
5	13905.000	26.40	21.76	48.16	74.00	-25.84	peak
6	17055.000	23.64	25.21	48.85	74.00	-25.15	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



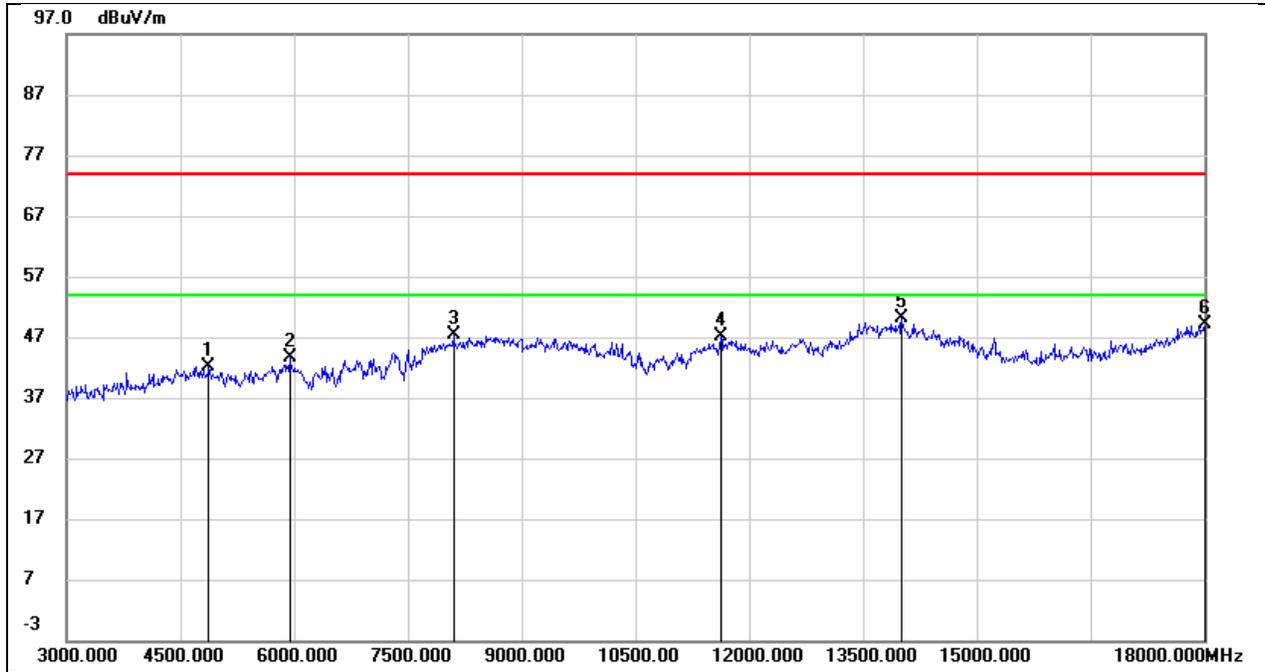
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	42.34	0.50	42.84	74.00	-31.16	peak
2	6045.000	39.65	3.33	42.98	74.00	-31.02	peak
3	8820.000	37.96	9.62	47.58	74.00	-26.42	peak
4	12285.000	28.05	18.83	46.88	74.00	-27.12	peak
5	13530.000	27.23	22.49	49.72	74.00	-24.28	peak
6	17985.000	19.58	29.49	49.07	74.00	-24.93	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



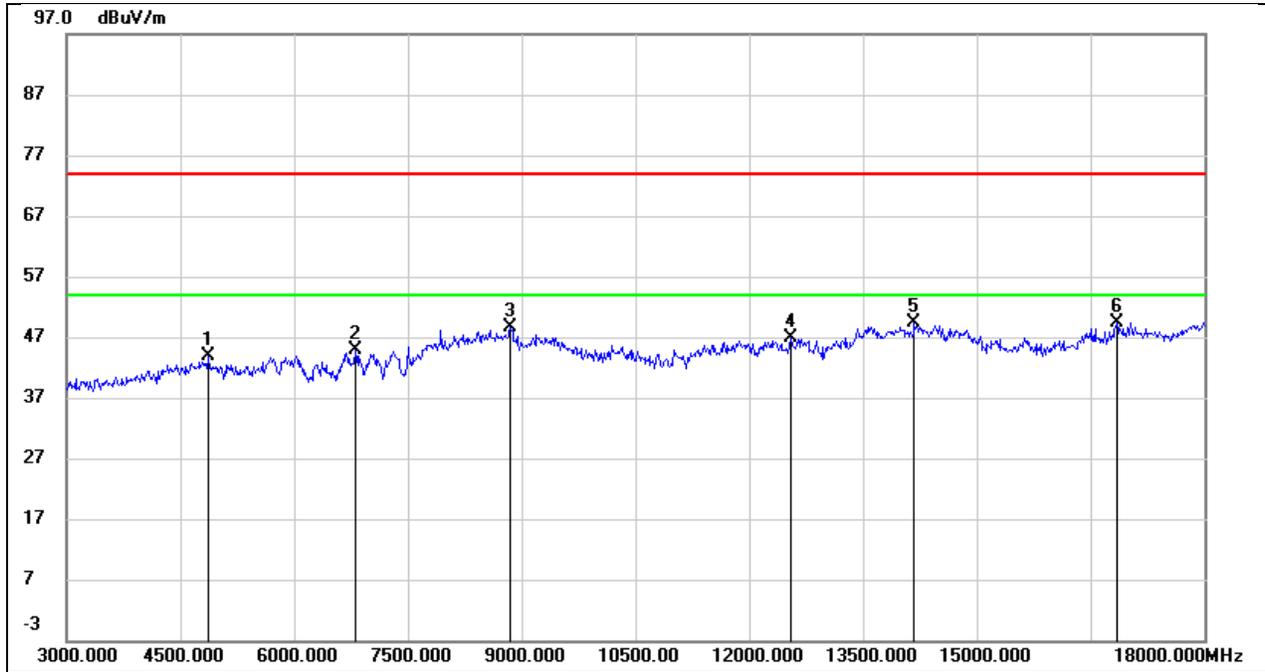
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	43.80	1.59	45.39	74.00	-28.61	peak
2	7305.000	38.05	7.68	45.73	74.00	-28.27	peak
3	9090.000	36.97	10.91	47.88	74.00	-26.12	peak
4	12645.000	29.44	18.11	47.55	74.00	-26.45	peak
5	14280.000	27.13	22.05	49.18	74.00	-24.82	peak
6	17115.000	23.85	25.26	49.11	74.00	-24.89	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 7.16V



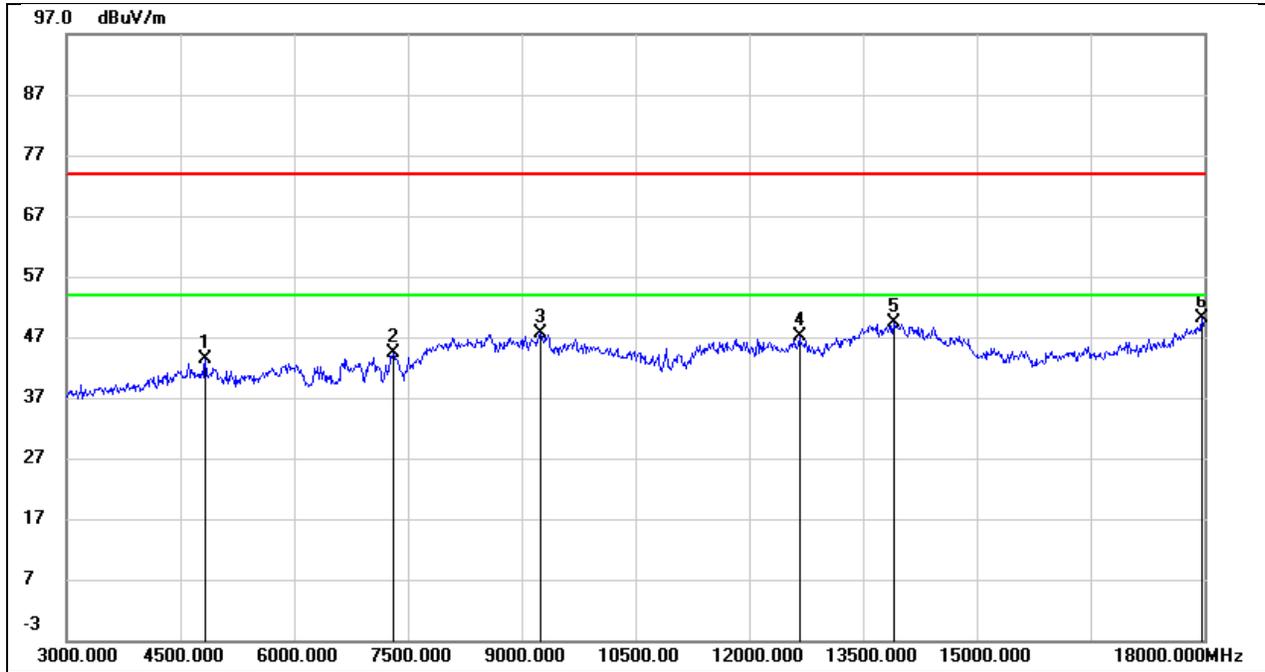
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	41.47	0.65	42.12	74.00	-31.88	peak
2	5940.000	40.58	3.01	43.59	74.00	-30.41	peak
3	8100.000	39.01	8.29	47.30	74.00	-26.70	peak
4	11625.000	28.93	18.20	47.13	74.00	-26.87	peak
5	14010.000	26.32	23.78	50.10	74.00	-23.90	peak
6	18000.000	19.50	29.64	49.14	74.00	-24.86	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 7.16V



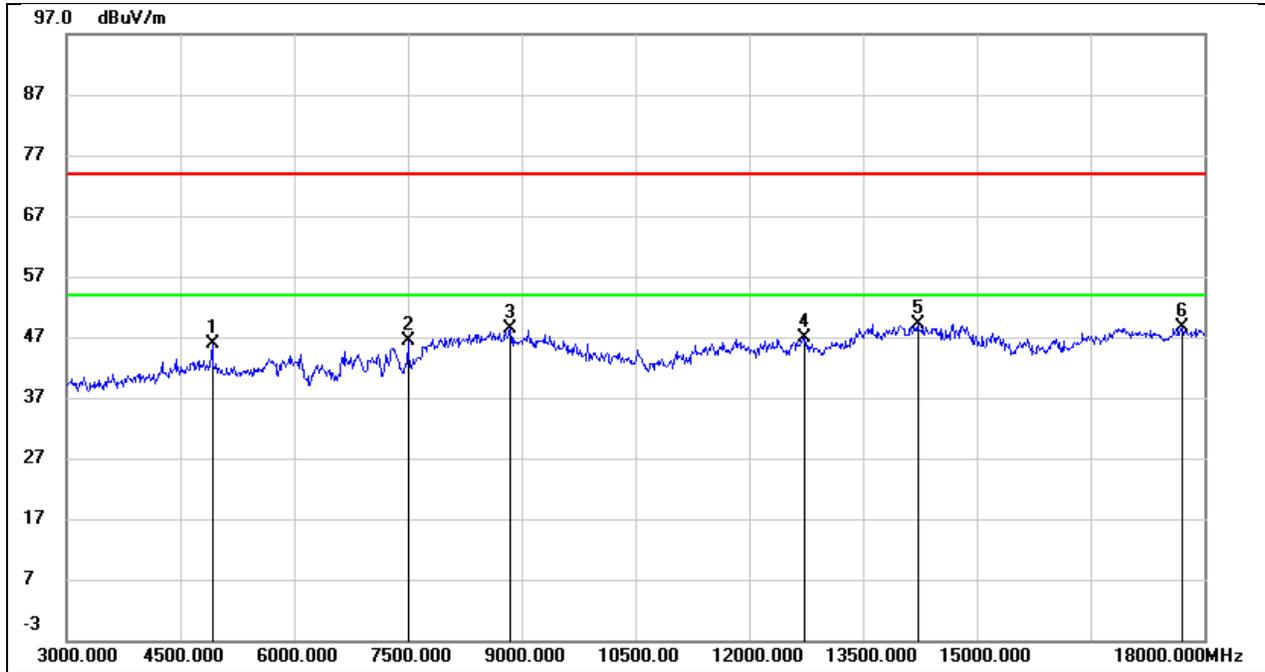
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	42.00	1.78	43.78	74.00	-30.22	peak
2	6810.000	38.02	6.77	44.79	74.00	-29.21	peak
3	8850.000	38.57	10.18	48.75	74.00	-25.25	peak
4	12540.000	28.89	18.00	46.89	74.00	-27.11	peak
5	14175.000	27.23	22.26	49.49	74.00	-24.51	peak
6	16845.000	24.39	24.99	49.38	74.00	-24.62	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 7.16V



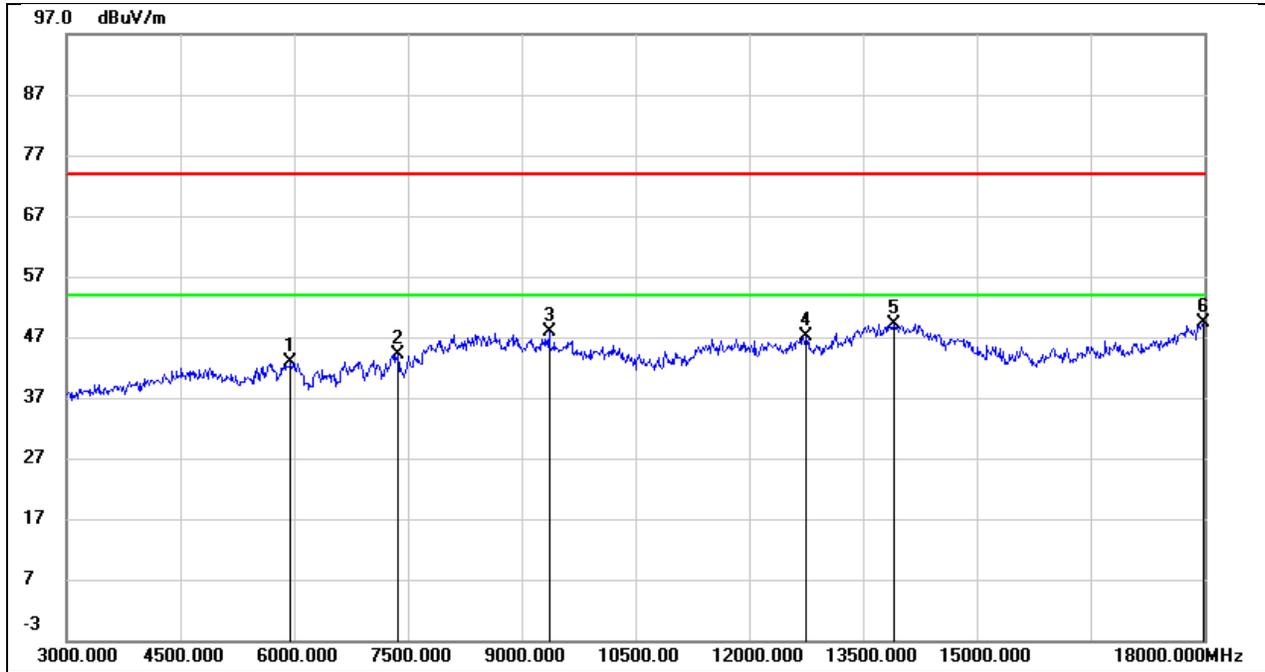
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4830.000	42.85	0.54	43.39	74.00	-30.61	peak
2	7305.000	37.43	7.03	44.46	74.00	-29.54	peak
3	9240.000	36.33	11.25	47.58	74.00	-26.42	peak
4	12660.000	27.93	19.12	47.05	74.00	-26.95	peak
5	13905.000	25.97	23.38	49.35	74.00	-24.65	peak
6	17970.000	20.84	29.33	50.17	74.00	-23.83	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



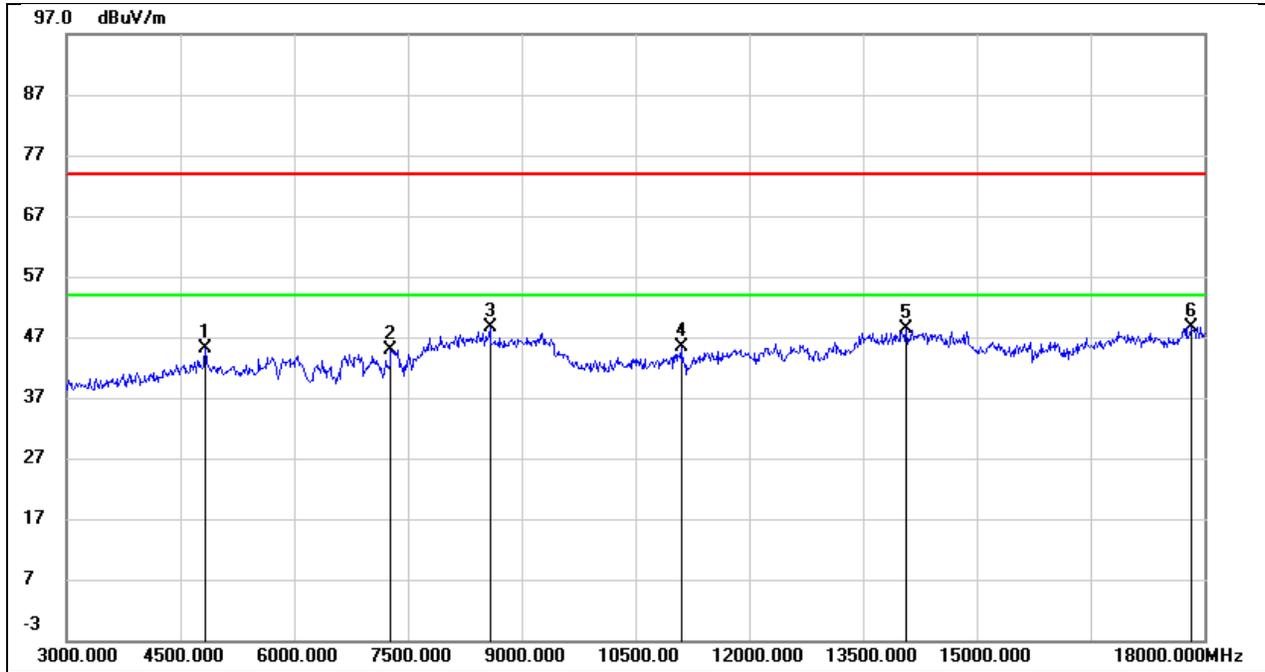
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	44.08	1.91	45.99	74.00	-28.01	peak
2	7500.000	38.40	7.89	46.29	74.00	-27.71	peak
3	8850.000	38.22	10.18	48.40	74.00	-25.60	peak
4	12735.000	28.59	18.29	46.88	74.00	-27.12	peak
5	14220.000	26.99	22.22	49.21	74.00	-24.79	peak
6	17715.000	22.59	26.04	48.63	74.00	-25.37	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	2422
Polarity:	Horizontal	Test Voltage:	DC 7.16V



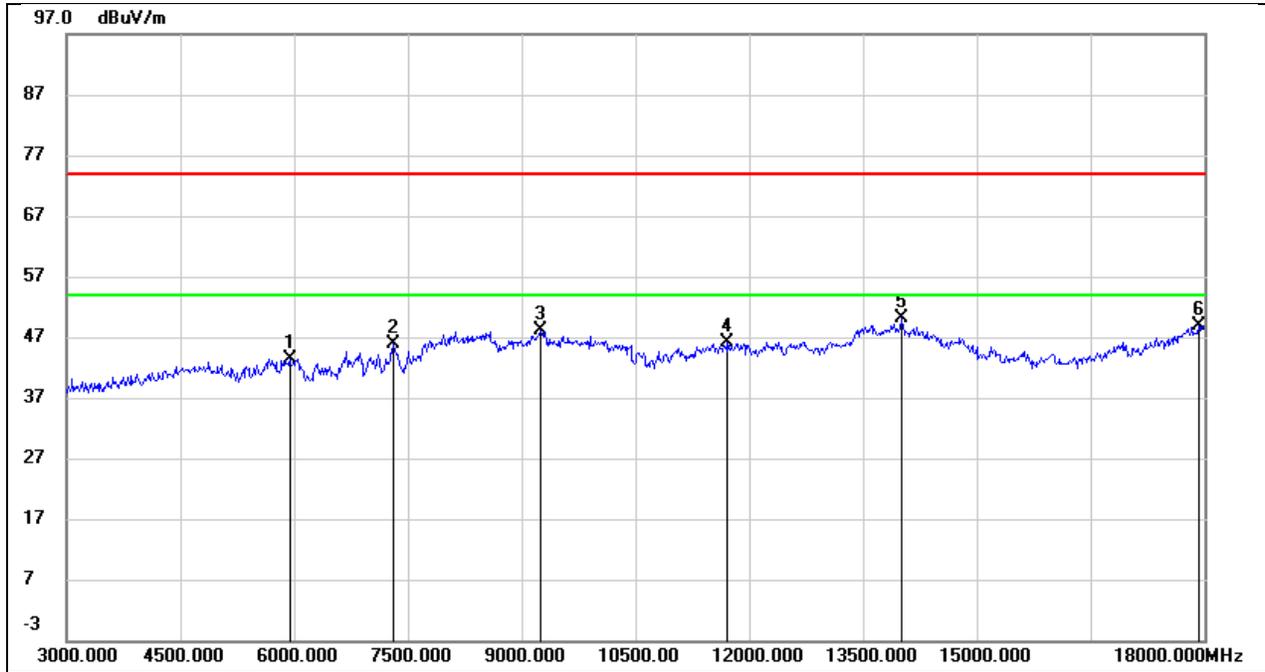
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5955.000	39.87	3.04	42.91	74.00	-31.09	peak
2	7365.000	36.97	7.11	44.08	74.00	-29.92	peak
3	9360.000	36.09	11.78	47.87	74.00	-26.13	peak
4	12750.000	27.68	19.37	47.05	74.00	-26.95	peak
5	13905.000	25.84	23.38	49.22	74.00	-24.78	peak
6	17985.000	19.84	29.49	49.33	74.00	-24.67	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	2422
Polarity:	Vertical	Test Voltage:	DC 7.16V



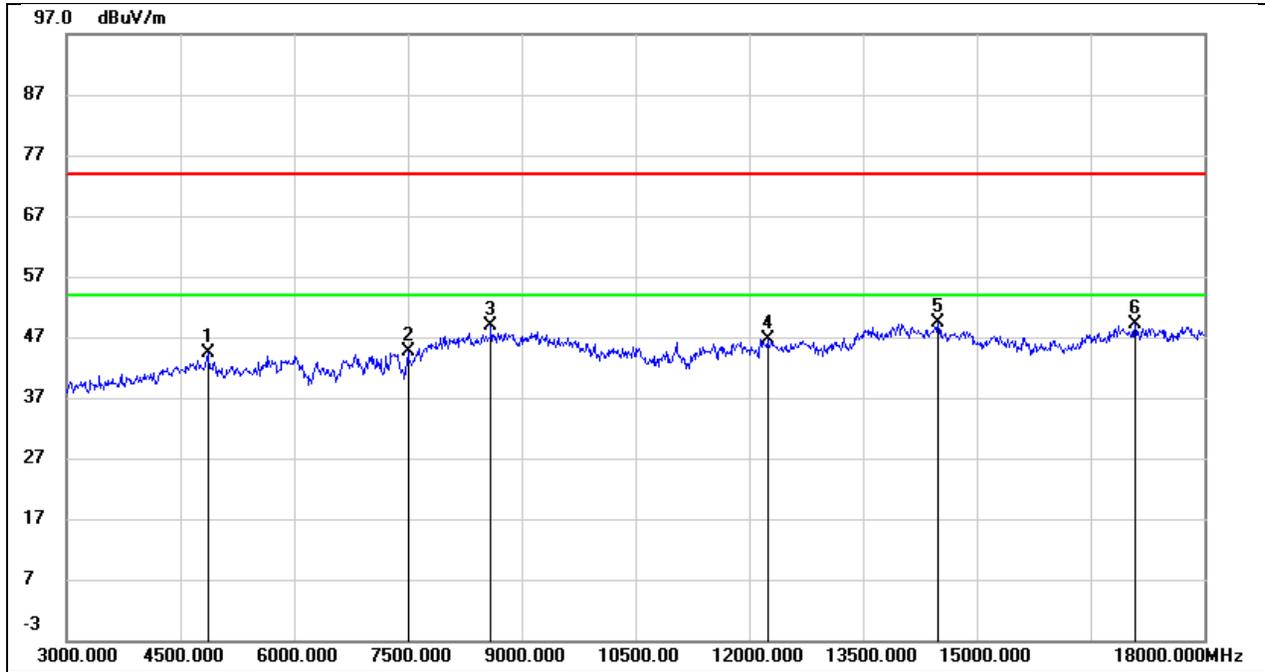
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4830.000	43.54	1.64	45.18	74.00	-28.82	peak
2	7275.000	37.21	7.67	44.88	74.00	-29.12	peak
3	8580.000	38.80	9.82	48.62	74.00	-25.38	peak
4	11100.000	29.75	15.60	45.35	74.00	-28.65	peak
5	14070.000	26.21	22.23	48.44	74.00	-25.56	peak
6	17820.000	22.21	26.39	48.60	74.00	-25.40	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 7.16V



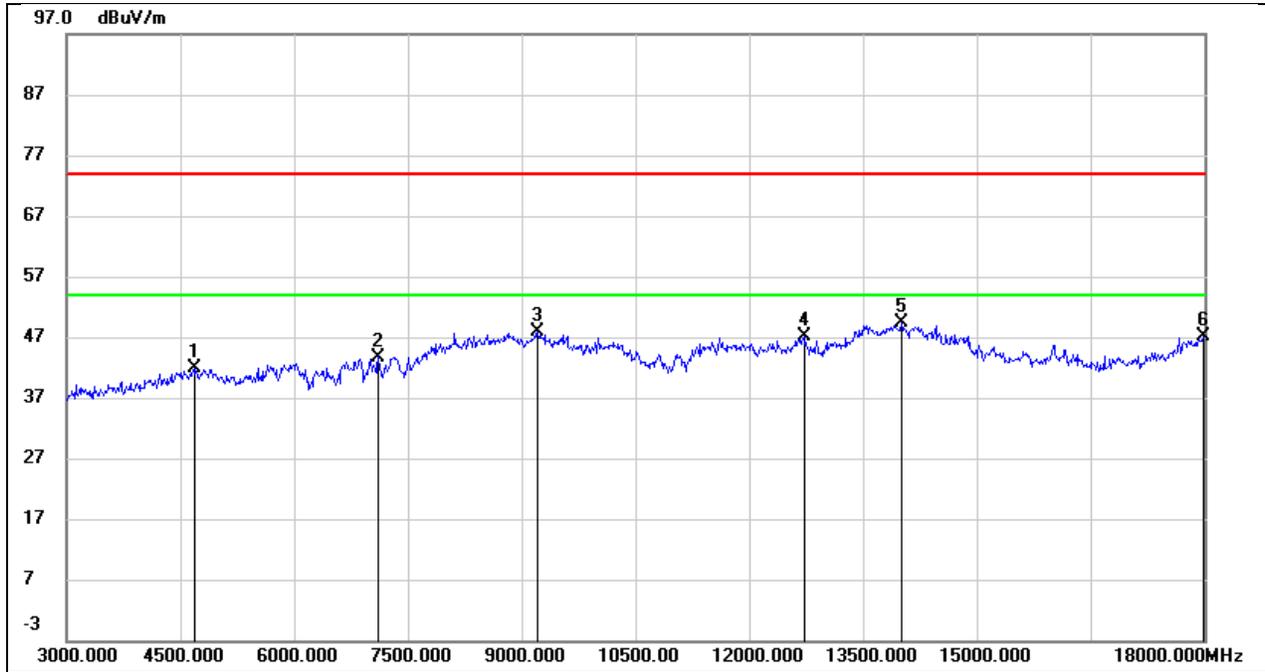
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5940.000	40.39	3.01	43.40	74.00	-30.60	peak
2	7305.000	38.96	7.03	45.99	74.00	-28.01	peak
3	9240.000	36.87	11.25	48.12	74.00	-25.88	peak
4	11715.000	27.75	18.35	46.10	74.00	-27.90	peak
5	14010.000	26.45	23.78	50.23	74.00	-23.77	peak
6	17925.000	19.98	28.87	48.85	74.00	-25.15	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 7.16V



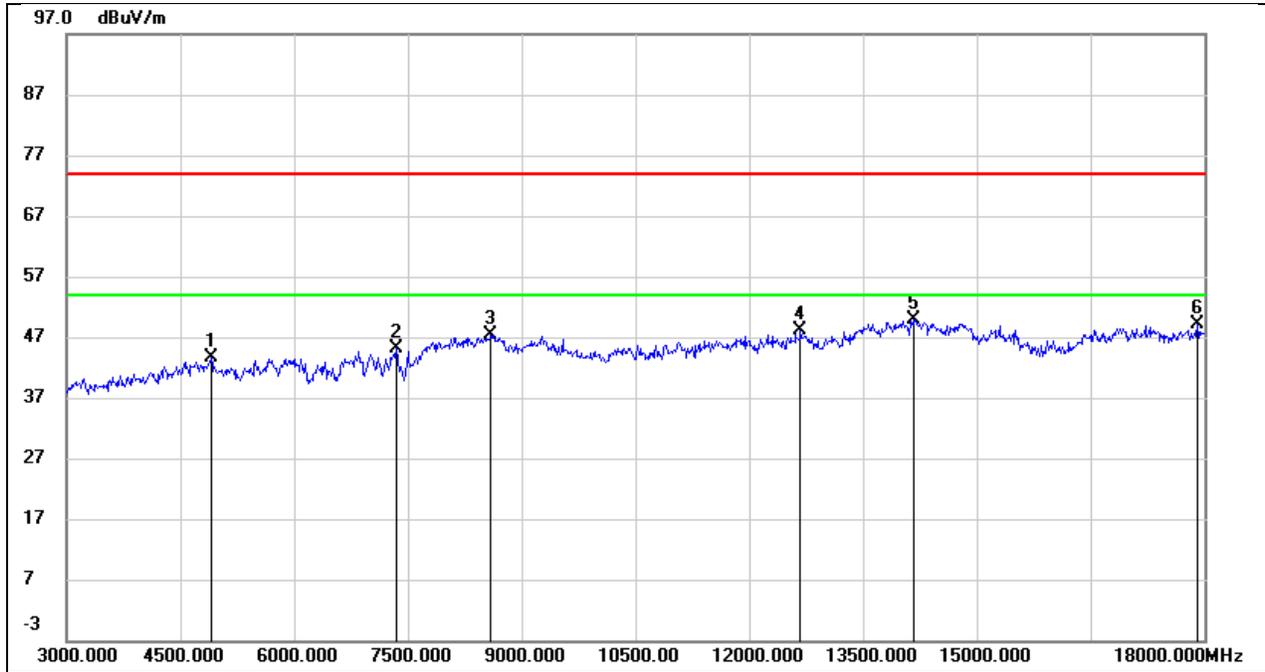
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	42.75	1.73	44.48	74.00	-29.52	peak
2	7500.000	36.82	7.89	44.71	74.00	-29.29	peak
3	8595.000	39.06	9.86	48.92	74.00	-25.08	peak
4	12240.000	28.94	17.78	46.72	74.00	-27.28	peak
5	14490.000	27.82	21.60	49.42	74.00	-24.58	peak
6	17085.000	23.91	25.24	49.15	74.00	-24.85	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4680.000	41.69	0.11	41.80	74.00	-32.20	peak
2	7110.000	37.11	6.64	43.75	74.00	-30.25	peak
3	9210.000	36.83	11.13	47.96	74.00	-26.04	peak
4	12720.000	27.79	19.29	47.08	74.00	-26.92	peak
5	14010.000	25.56	23.78	49.34	74.00	-24.66	peak
6	17985.000	17.52	29.49	47.01	74.00	-26.99	peak

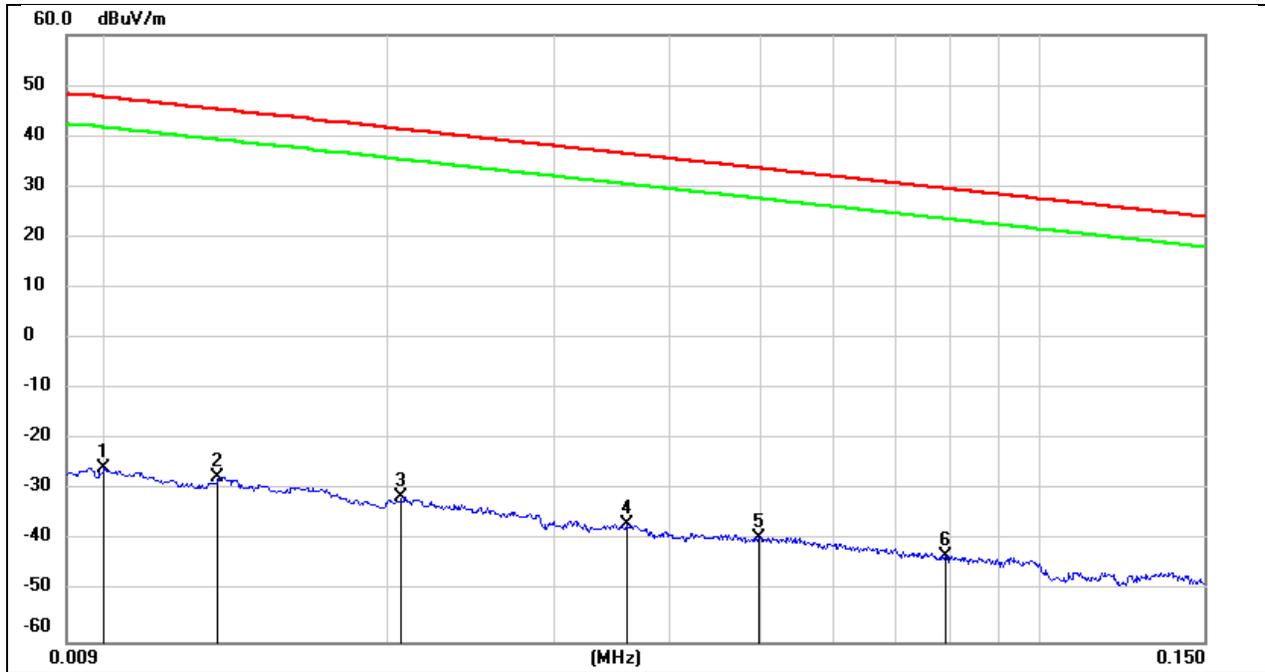
Test Mode:	802.11ax HE40	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4905.000	41.77	1.86	43.63	74.00	-30.37	peak
2	7350.000	37.36	7.71	45.07	74.00	-28.93	peak
3	8595.000	37.59	9.86	47.45	74.00	-26.55	peak
4	12675.000	29.92	18.17	48.09	74.00	-25.91	peak
5	14160.000	27.73	22.26	49.99	74.00	-24.01	peak
6	17910.000	22.17	26.92	49.09	74.00	-24.91	peak

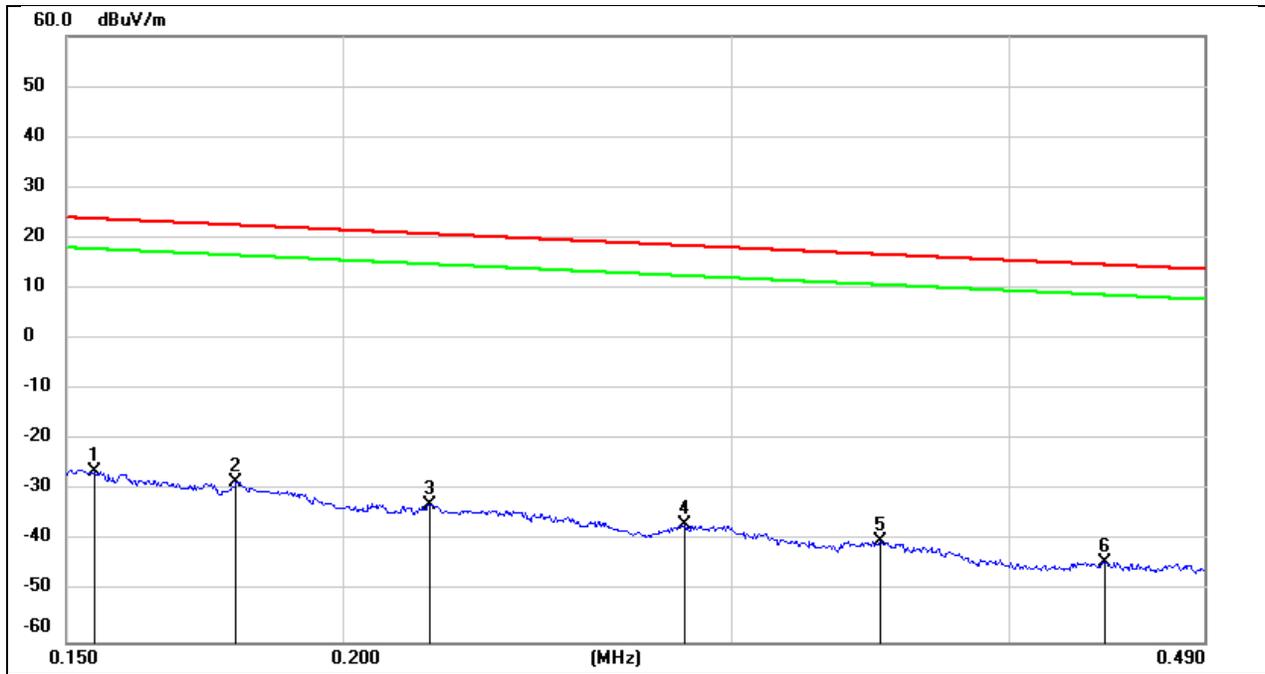
### 8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



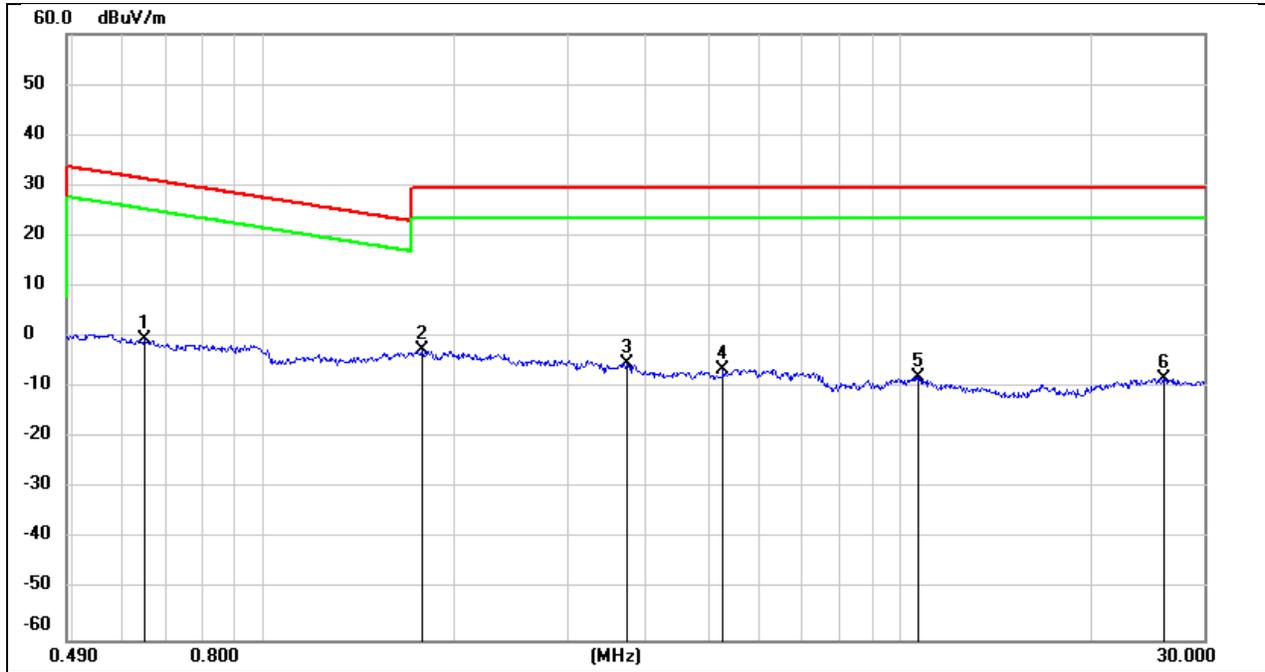
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.0100	75.72	-101.40	-25.68	47.60	-73.28	peak
2	0.0131	73.97	-101.38	-27.41	45.25	-72.66	peak
3	0.0206	69.92	-101.35	-31.43	41.32	-72.75	peak
4	0.0359	64.56	-101.42	-36.86	36.50	-73.36	peak
5	0.0497	62.08	-101.48	-39.40	33.67	-73.07	peak
6	0.0791	58.71	-101.63	-42.92	29.64	-72.56	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.1544	75.29	-101.65	-26.36	23.83	-50.19	peak
2	0.1789	73.32	-101.68	-28.36	22.55	-50.91	peak
3	0.2190	68.77	-101.75	-32.98	20.79	-53.77	peak
4	0.2852	65.01	-101.83	-36.82	18.50	-55.32	peak
5	0.3497	61.79	-101.91	-40.12	16.73	-56.85	peak
6	0.4415	57.85	-102.01	-44.16	14.70	-58.86	peak

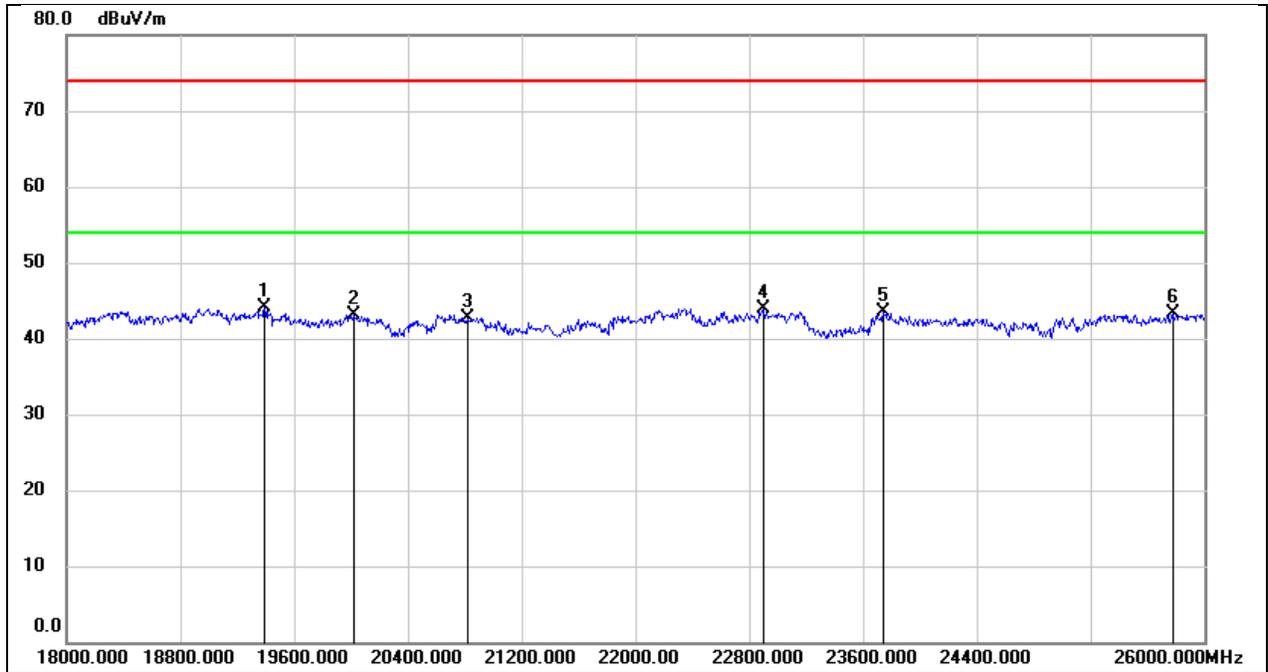
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Remark
1	0.6481	61.57	-62.10	-0.53	31.37	-31.90	peak
2	1.7681	59.25	-61.92	-2.67	29.54	-32.21	peak
3	3.7100	56.20	-61.41	-5.21	29.54	-34.75	peak
4	5.2705	55.04	-61.45	-6.41	29.54	-35.95	peak
5	10.7004	52.86	-60.83	-7.97	29.54	-37.51	peak
6	25.8978	52.26	-60.36	-8.10	29.54	-37.64	peak

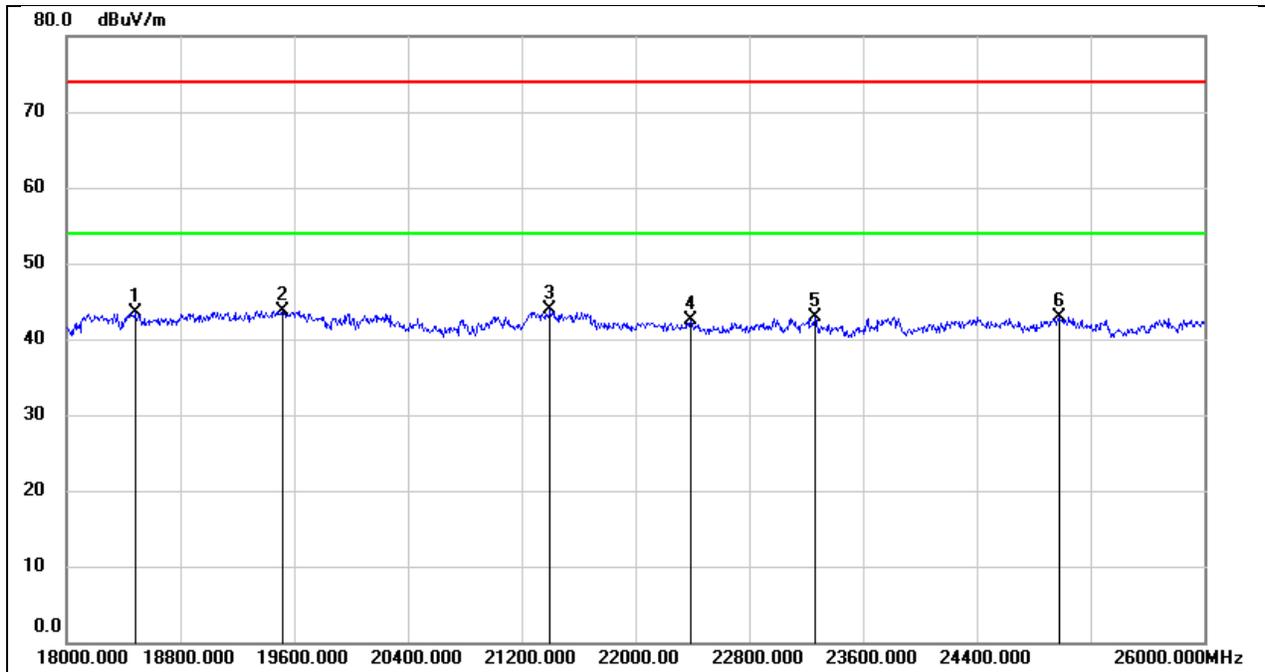
### 8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19392.000	49.62	-5.57	44.05	74.00	-29.95	peak
2	20016.000	48.56	-5.47	43.09	74.00	-30.91	peak
3	20824.000	47.83	-5.04	42.79	74.00	-31.21	peak
4	22904.000	47.53	-3.54	43.99	74.00	-30.01	peak
5	23744.000	46.65	-3.20	43.45	74.00	-30.55	peak
6	25776.000	43.89	-0.66	43.23	74.00	-30.77	peak

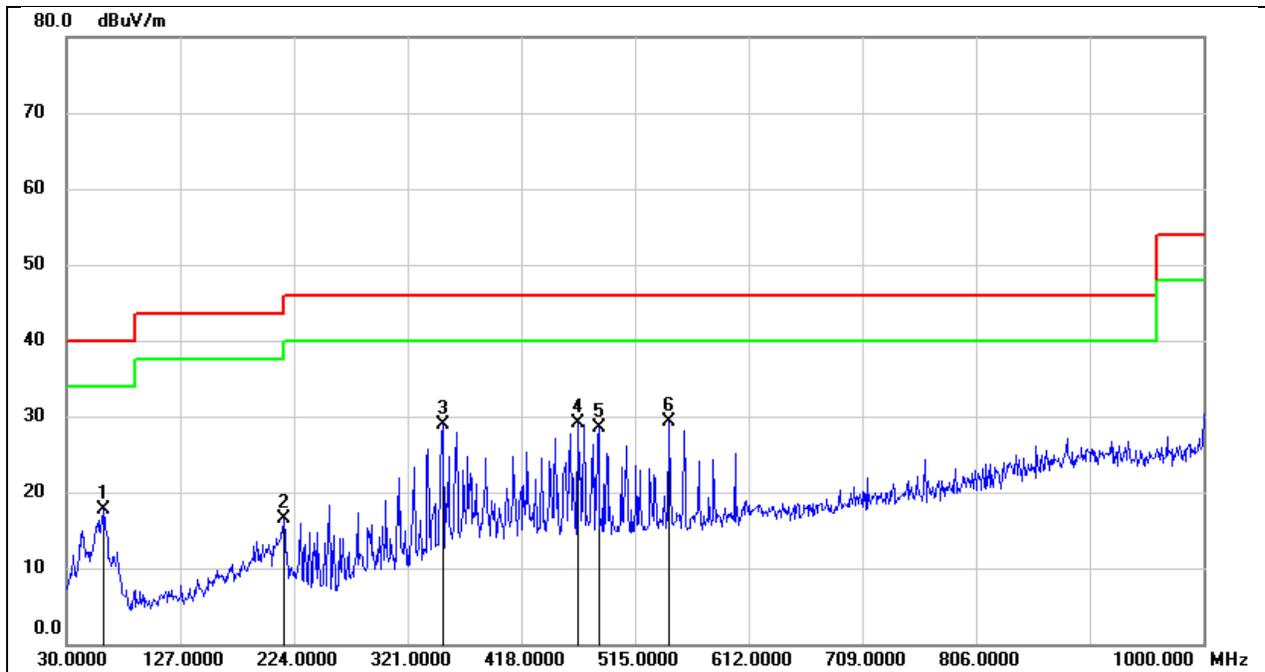
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18480.000	48.84	-5.28	43.56	74.00	-30.44	peak
2	19520.000	49.18	-5.52	43.66	74.00	-30.34	peak
3	21400.000	48.54	-4.72	43.82	74.00	-30.18	peak
4	22392.000	46.61	-4.02	42.59	74.00	-31.41	peak
5	23264.000	46.26	-3.36	42.90	74.00	-31.10	peak
6	24976.000	44.96	-2.11	42.85	74.00	-31.15	peak

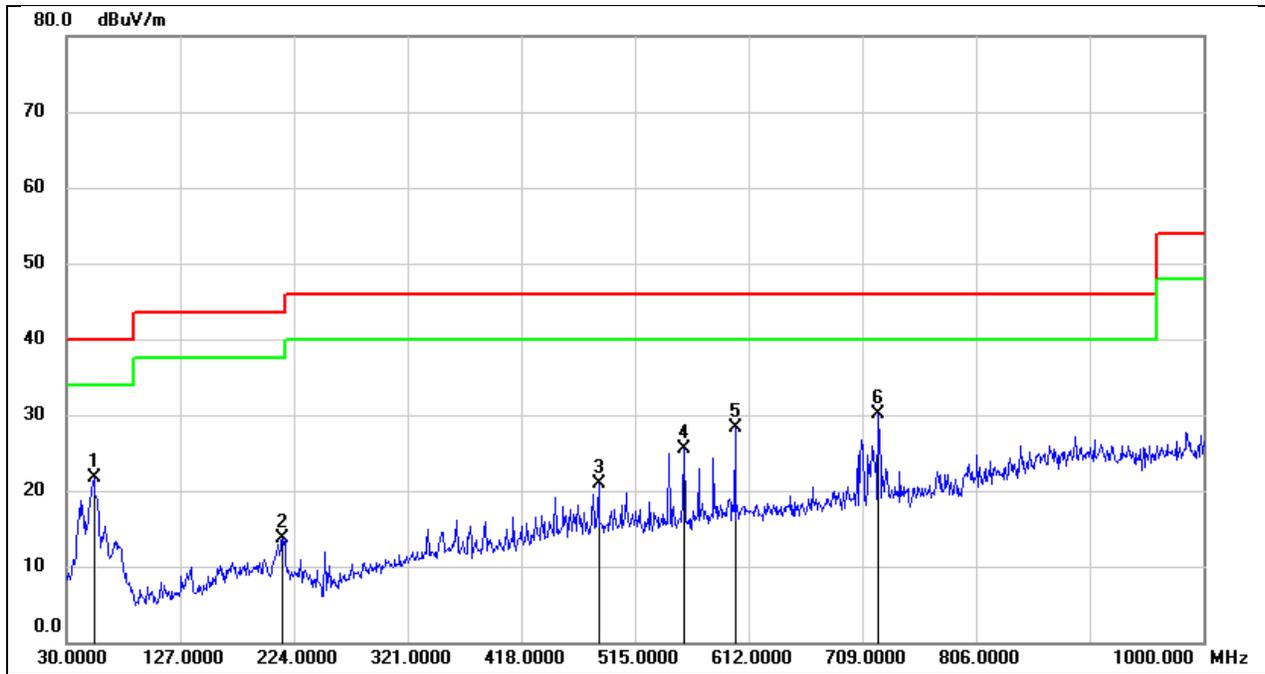
### 8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	62.0100	32.76	-14.98	17.78	40.00	-22.22	QP
2	215.2700	29.44	-12.92	16.52	43.50	-26.98	QP
3	351.0700	38.40	-9.53	28.87	46.00	-17.13	QP
4	466.5000	37.09	-7.99	29.10	46.00	-16.90	QP
5	483.9600	36.45	-7.87	28.58	46.00	-17.42	QP
6	544.1000	36.40	-7.13	29.27	46.00	-16.73	QP

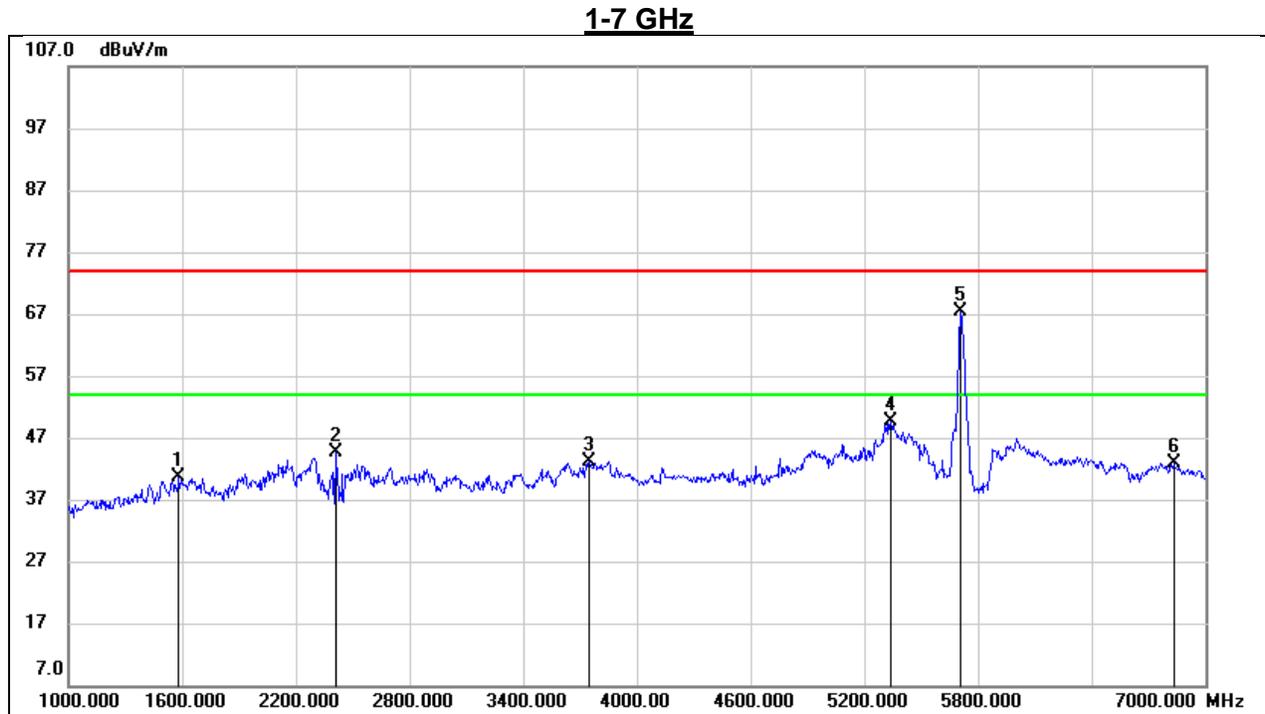
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 7.16V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	53.2800	36.77	-15.04	21.73	40.00	-18.27	QP
2	214.3000	26.60	-12.88	13.72	43.50	-29.78	QP
3	483.9600	28.74	-7.87	20.87	46.00	-25.13	QP
4	556.7100	32.40	-6.86	25.54	46.00	-20.46	QP
5	600.3600	33.98	-5.74	28.24	46.00	-17.76	QP
6	722.5800	34.07	-3.93	30.14	46.00	-15.86	QP

## 8.7. SPURIOUS EMISSIONS FOR SIMULTANEOUS TRANSMISSION

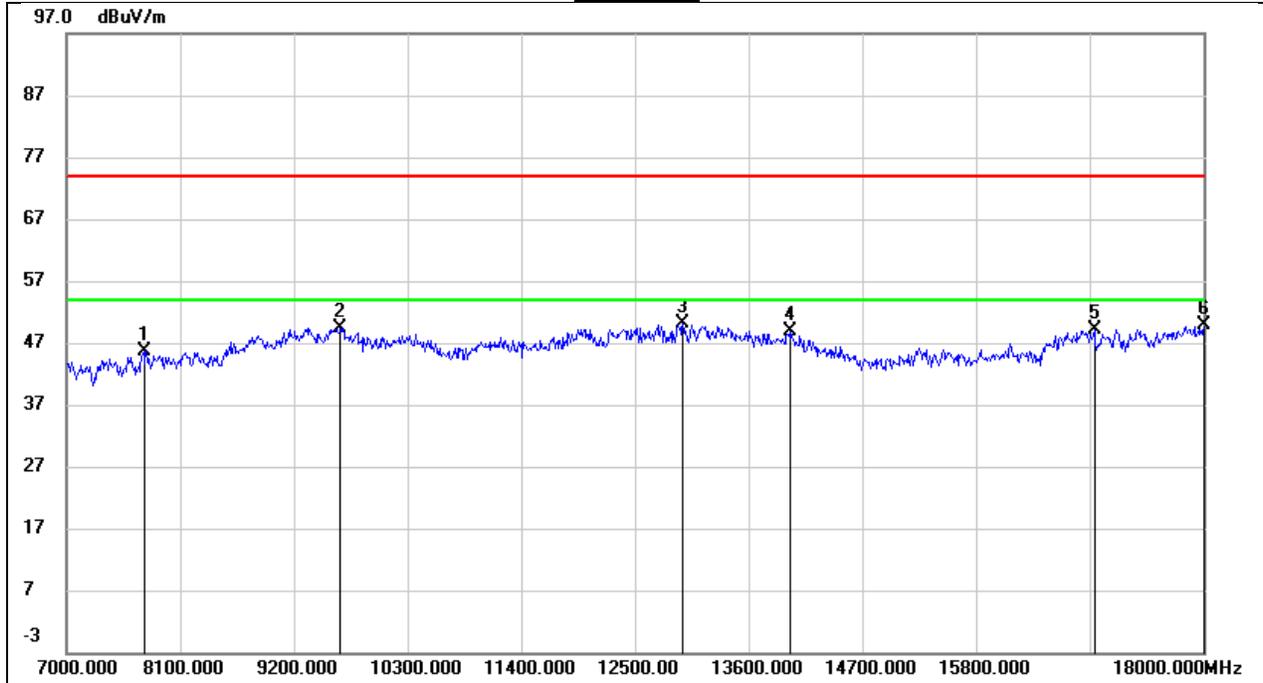
### SPURIOUS EMISSIONS (WIFI 2.4G 802.11b LOW CHANNEL, SRD 5.8G BAND 20M MODE LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1582.000	51.98	-11.47	40.51	74.00	-33.49	peak
2	2412.000	53.07	-8.55	44.52	/	/	Fundamental
3	3748.000	46.17	-2.94	43.23	74.00	-30.77	peak
4	5338.000	46.92	2.65	49.57	74.00	-24.43	peak
5	5735.500	63.19	4.08	67.27	/	/	Fundamental
6	6832.000	36.20	6.58	42.78	74.00	-31.22	peak

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, channels and antennas have been tested, only the worst data was recorded in the report.

**7-18 GHz**



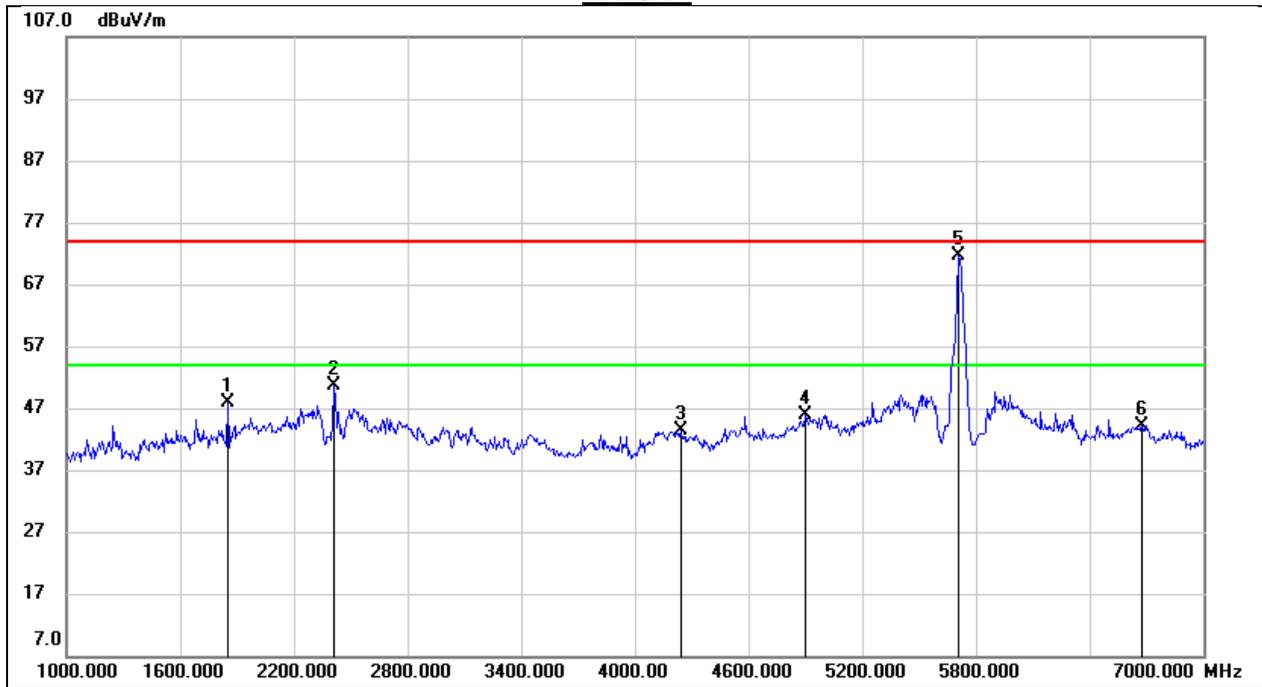
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7748.000	37.59	7.97	45.56	74.00	-28.44	peak
2	9651.000	35.88	13.55	49.43	74.00	-24.57	peak
3	12962.000	30.19	20.05	50.24	74.00	-23.76	peak
4	14007.000	25.31	23.59	48.90	74.00	-25.10	peak
5	16944.000	26.60	22.63	49.23	74.00	-24.77	peak
6	18000.000	20.28	29.61	49.89	74.00	-24.11	peak

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, channels and antennas have been tested, only the worst data was recorded in the report.

**SPURIOUS EMISSIONS (WIFI 2.4G 802.11b LOW CHANNEL, SRD 5.8G BAND 20M MODE  
LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)**

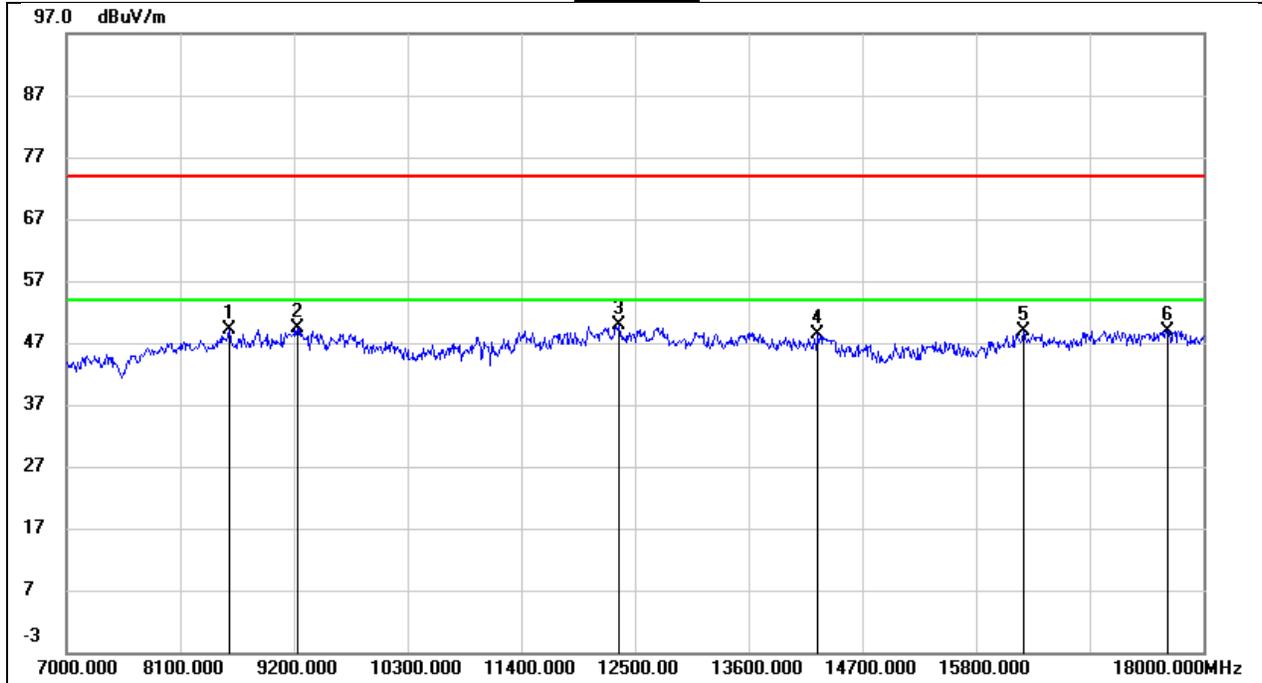
**1-7 GHz**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1852.000	57.20	-9.33	47.87	74.00	-26.13	peak
2	2412.000	58.36	-7.73	50.63	/	/	Fundamental
3	4240.000	43.85	-0.54	43.31	74.00	-30.69	peak
4	4900.000	43.45	2.48	45.93	74.00	-28.07	peak
5	5735.500	66.48	5.19	71.67	/	/	Fundamental
6	6676.000	37.03	7.12	44.15	74.00	-29.85	peak

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, channels and antennas have been tested, only the worst data was recorded in the report.

### 7-18 GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8573.000	39.60	9.41	49.01	74.00	-24.99	peak
2	9233.000	37.60	11.88	49.48	74.00	-24.52	peak
3	12346.000	31.89	17.95	49.84	74.00	-24.16	peak
4	14271.000	26.84	21.47	48.31	74.00	-25.69	peak
5	16262.000	24.82	23.98	48.80	74.00	-25.20	peak
6	17659.000	23.55	25.42	48.97	74.00	-25.03	peak

**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 7.7.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

Note: For spurious emissions in other bands, no worst spurious emission was found, do not report.

## 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)

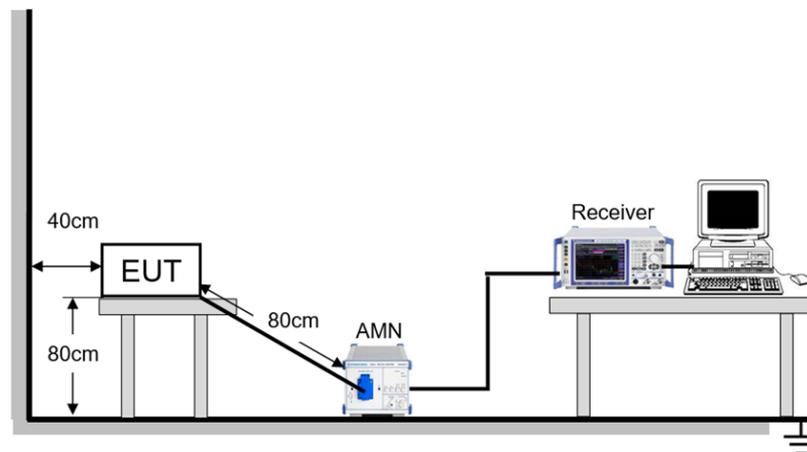
FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

### 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

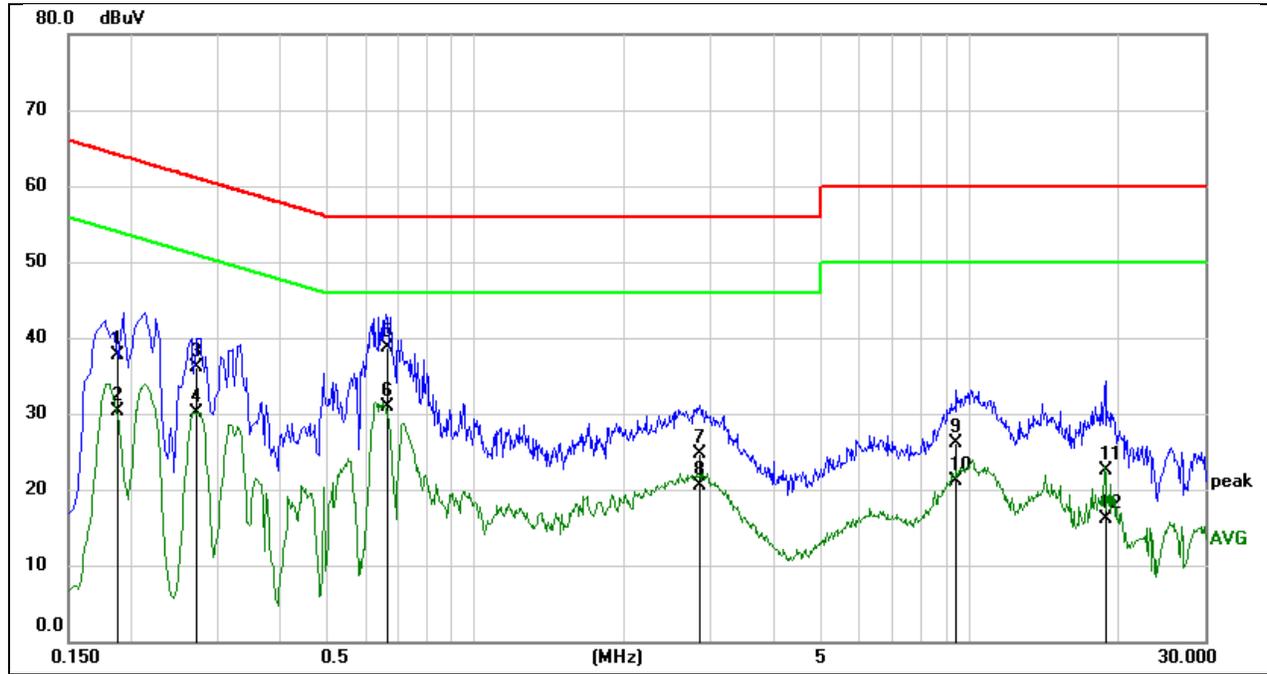
Temperature	23.5°C	Relative Humidity	68.0%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

**TEST DATE / ENGINEER**

Test Date	March 28, 2025	Test By	Johnson Liu
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**TEST RESULTS**

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



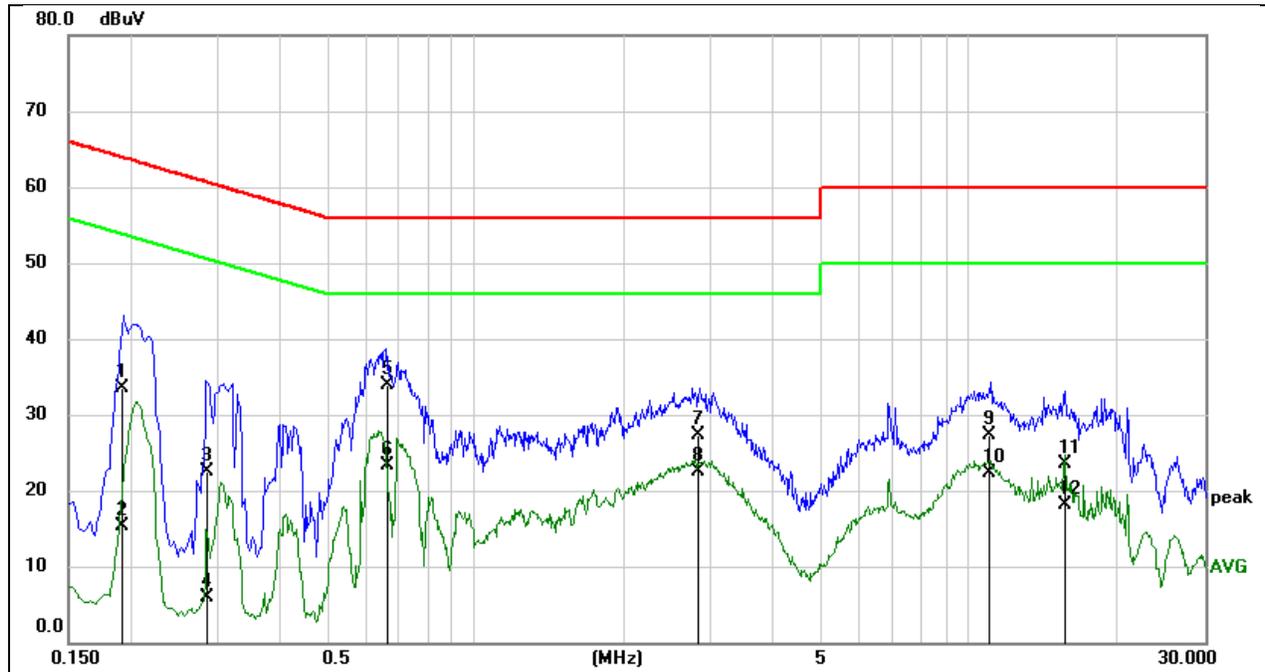
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1896	28.06	9.66	37.72	64.05	-26.33	QP
2	0.1896	20.63	9.66	30.29	54.05	-23.76	AVG
3	0.2740	26.46	9.64	36.10	61.00	-24.90	QP
4	0.2740	20.52	9.64	30.16	51.00	-20.84	AVG
5	0.6625	28.99	9.63	38.62	56.00	-17.38	QP
6	0.6625	21.24	9.63	30.87	46.00	-15.13	AVG
7	2.8564	14.98	9.73	24.71	56.00	-31.29	QP
8	2.8564	10.85	9.73	20.58	46.00	-25.42	AVG
9	9.4413	16.30	9.73	26.03	60.00	-33.97	QP
10	9.4413	11.35	9.73	21.08	50.00	-28.92	AVG
11	18.8002	12.71	9.74	22.45	60.00	-37.55	QP
12	18.8002	6.30	9.74	16.04	50.00	-33.96	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	0.1920	23.91	9.66	33.57	63.95	-30.38	QP
2	0.1920	5.61	9.66	15.27	53.95	-38.68	AVG
3	0.2865	12.83	9.64	22.47	60.63	-38.16	QP
4	0.2865	-3.67	9.64	5.97	50.63	-44.66	AVG
5	0.6677	24.29	9.63	33.92	56.00	-22.08	QP
6	0.6677	13.70	9.63	23.33	46.00	-22.67	AVG
7	2.8140	17.65	9.73	27.38	56.00	-28.62	QP
8	2.8140	12.68	9.73	22.41	46.00	-23.59	AVG
9	10.9457	17.65	9.73	27.38	60.00	-32.62	QP
10	10.9457	12.52	9.73	22.25	50.00	-27.75	AVG
11	15.5947	13.80	9.74	23.54	60.00	-36.46	QP
12	15.5947	8.30	9.74	18.04	50.00	-31.96	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.

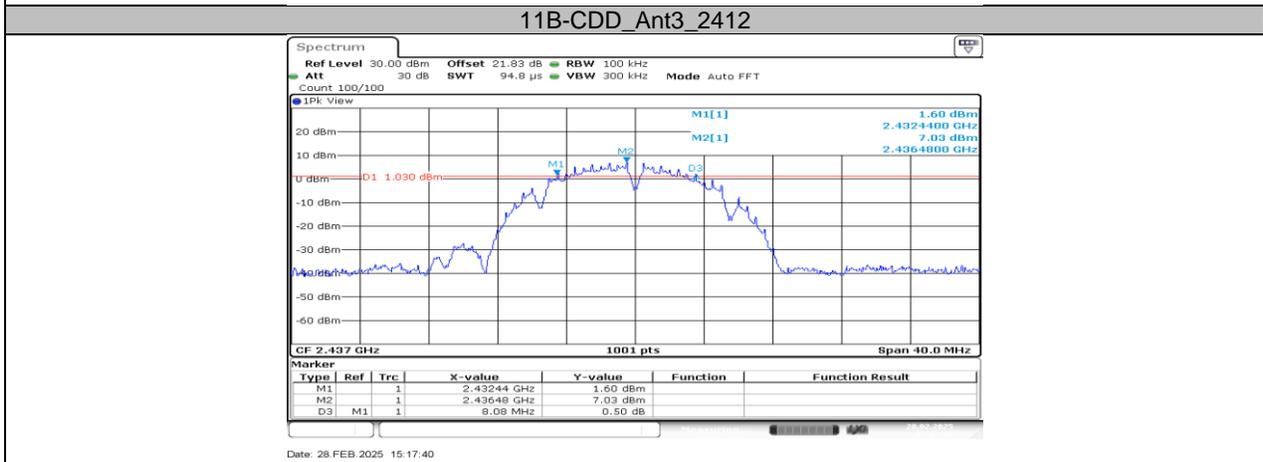
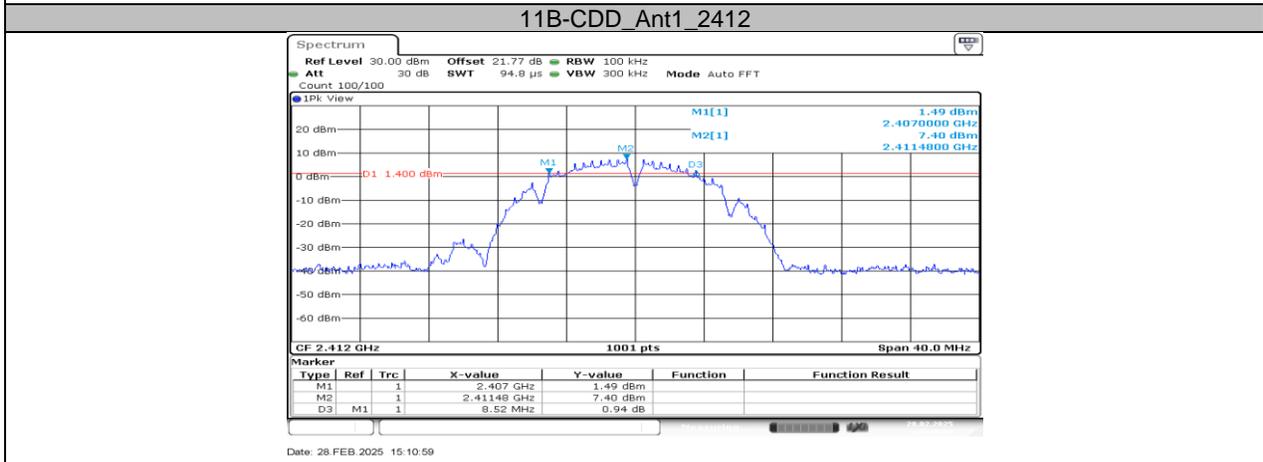
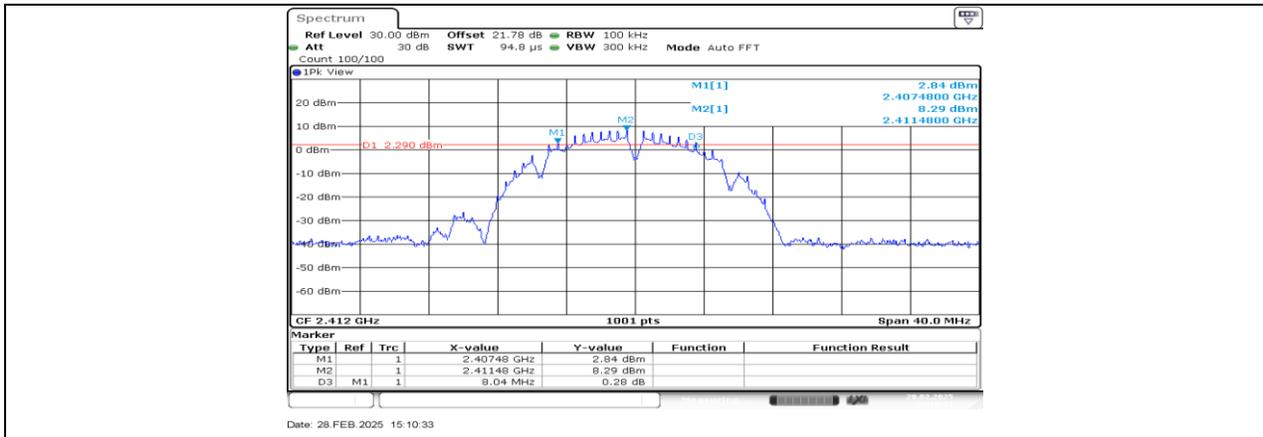
## 11. TEST DATA

### 11.1. APPENDIX A: DTS BANDWIDTH

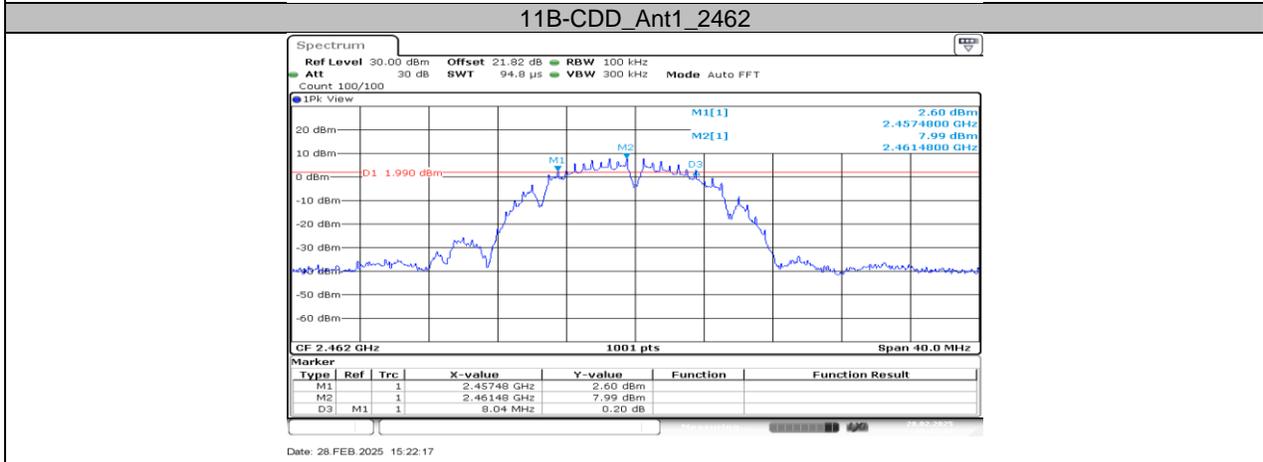
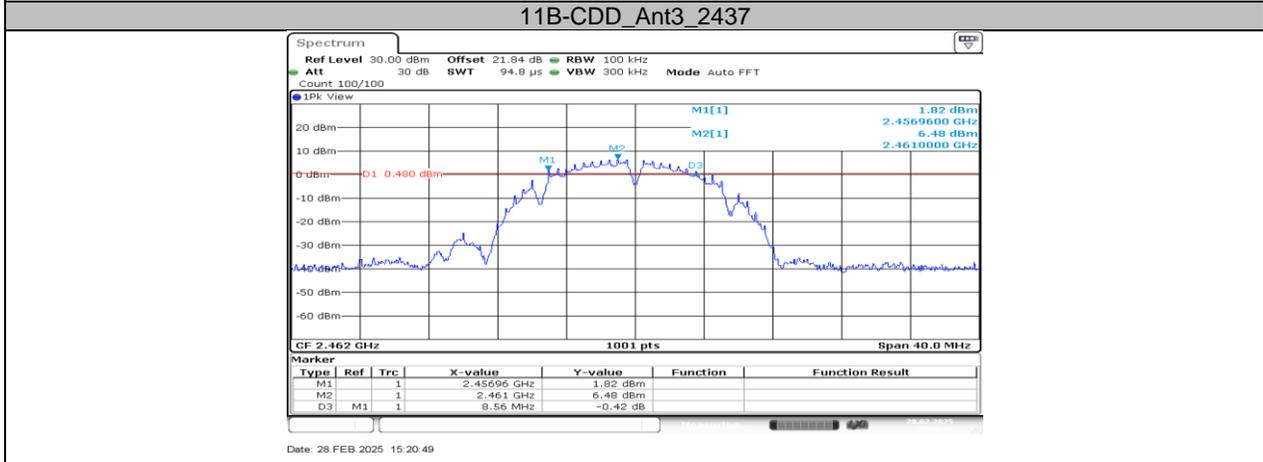
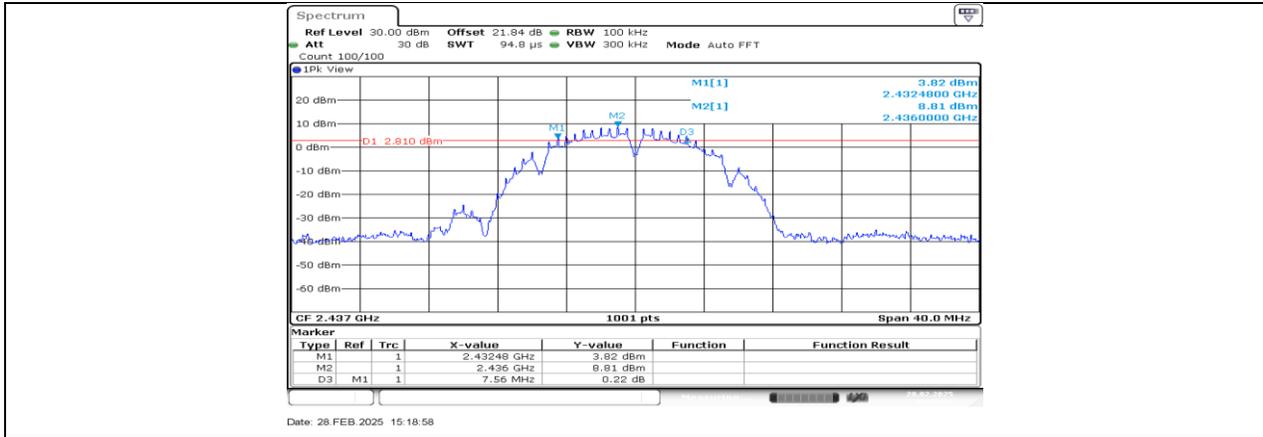
#### 11.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	8.04	2407.48	2415.52	$\geq 0.5$	PASS
	Ant3	2412	8.52	2407.00	2415.52	$\geq 0.5$	PASS
	Ant1	2437	8.08	2432.44	2440.52	$\geq 0.5$	PASS
	Ant3	2437	7.56	2432.48	2440.04	$\geq 0.5$	PASS
	Ant1	2462	8.56	2456.96	2465.52	$\geq 0.5$	PASS
	Ant3	2462	8.04	2457.48	2465.52	$\geq 0.5$	PASS
11G-CDD	Ant1	2412	15.08	2404.44	2419.52	$\geq 0.5$	PASS
	Ant3	2412	13.20	2404.44	2417.64	$\geq 0.5$	PASS
	Ant1	2437	15.08	2429.44	2444.52	$\geq 0.5$	PASS
	Ant3	2437	15.68	2428.84	2444.52	$\geq 0.5$	PASS
	Ant1	2462	15.72	2453.84	2469.56	$\geq 0.5$	PASS
	Ant3	2462	15.04	2454.48	2469.52	$\geq 0.5$	PASS
11N20MIMO	Ant1	2412	15.68	2403.84	2419.52	$\geq 0.5$	PASS
	Ant3	2412	16.28	2403.24	2419.52	$\geq 0.5$	PASS
	Ant1	2437	16.32	2428.20	2444.52	$\geq 0.5$	PASS
	Ant3	2437	16.04	2428.48	2444.52	$\geq 0.5$	PASS
	Ant1	2462	15.04	2454.48	2469.52	$\geq 0.5$	PASS
	Ant3	2462	15.08	2454.44	2469.52	$\geq 0.5$	PASS
11N40MIMO	Ant1	2422	32.56	2404.48	2437.04	$\geq 0.5$	PASS
	Ant3	2422	32.56	2404.48	2437.04	$\geq 0.5$	PASS
	Ant1	2437	32.56	2419.48	2452.04	$\geq 0.5$	PASS
	Ant3	2437	32.56	2419.48	2452.04	$\geq 0.5$	PASS
	Ant1	2452	32.56	2434.48	2467.04	$\geq 0.5$	PASS
	Ant3	2452	32.56	2434.48	2467.04	$\geq 0.5$	PASS
11AX20MIMO	Ant1	2412	15.36	2404.16	2419.52	$\geq 0.5$	PASS
	Ant3	2412	16.40	2403.16	2419.56	$\geq 0.5$	PASS
	Ant1	2437	15.08	2429.44	2444.52	$\geq 0.5$	PASS
	Ant3	2437	16.24	2428.32	2444.56	$\geq 0.5$	PASS
	Ant1	2462	15.08	2454.44	2469.52	$\geq 0.5$	PASS
	Ant3	2462	15.08	2454.44	2469.52	$\geq 0.5$	PASS
11AX40MIMO	Ant1	2422	32.64	2404.40	2437.04	$\geq 0.5$	PASS
	Ant3	2422	32.56	2404.48	2437.04	$\geq 0.5$	PASS
	Ant1	2437	32.56	2419.48	2452.04	$\geq 0.5$	PASS
	Ant3	2437	32.56	2419.48	2452.04	$\geq 0.5$	PASS
	Ant1	2452	34.80	2433.52	2468.32	$\geq 0.5$	PASS
	Ant3	2452	32.56	2434.48	2467.04	$\geq 0.5$	PASS

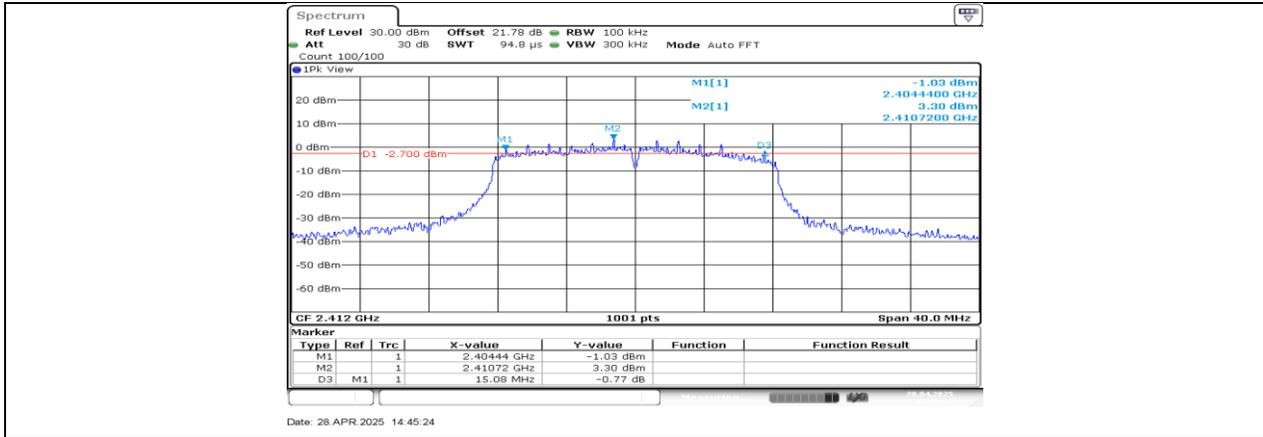
### 11.1.2. Test Graphs



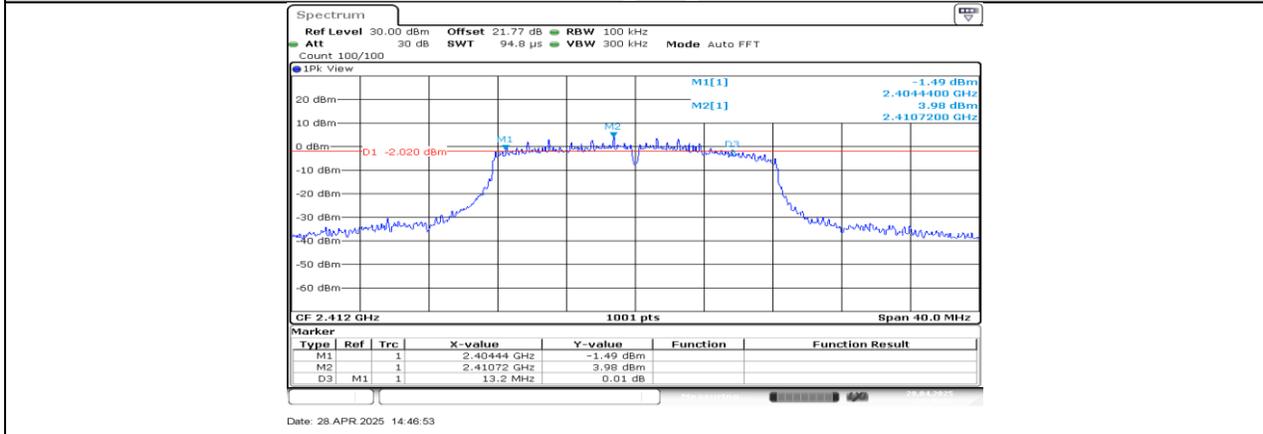
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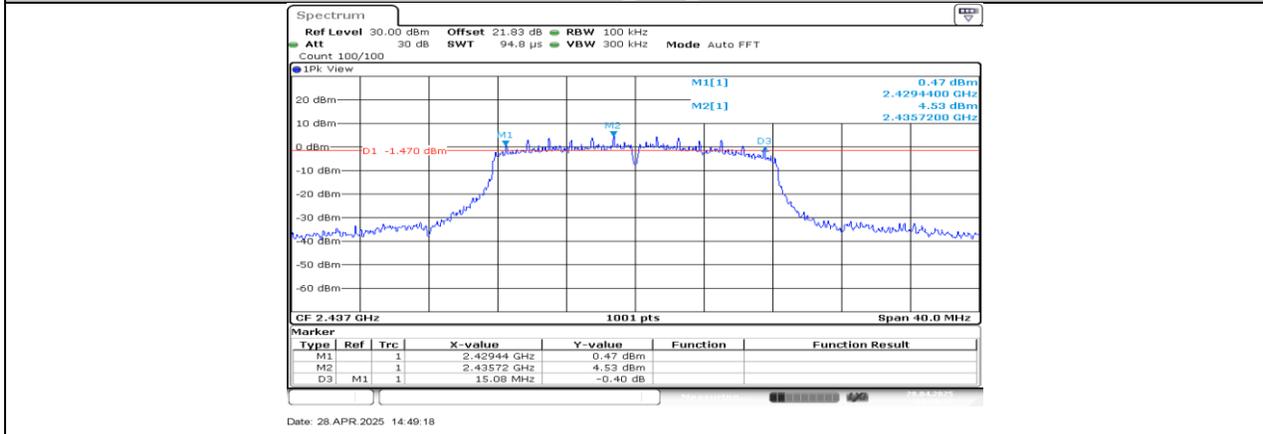
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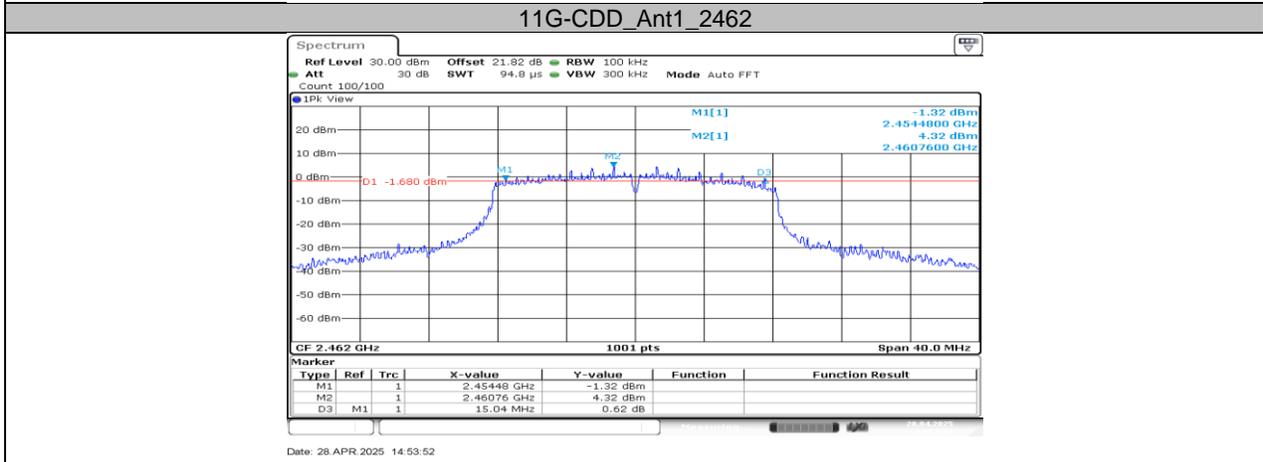
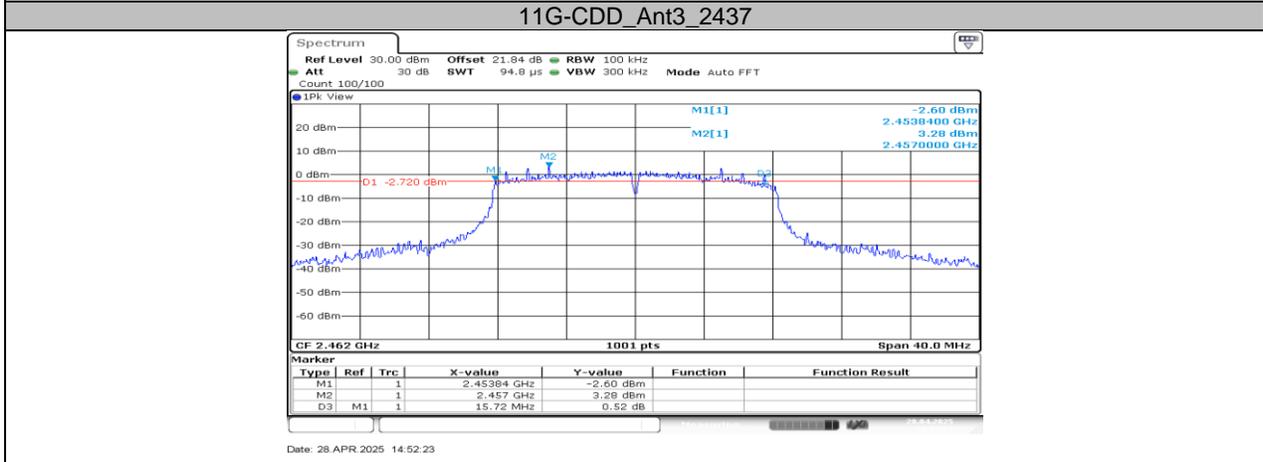
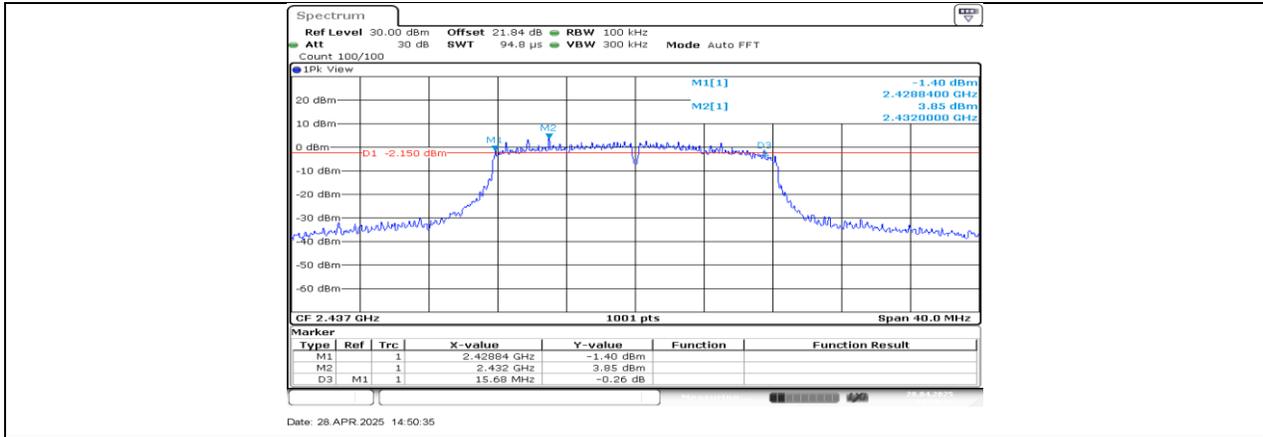
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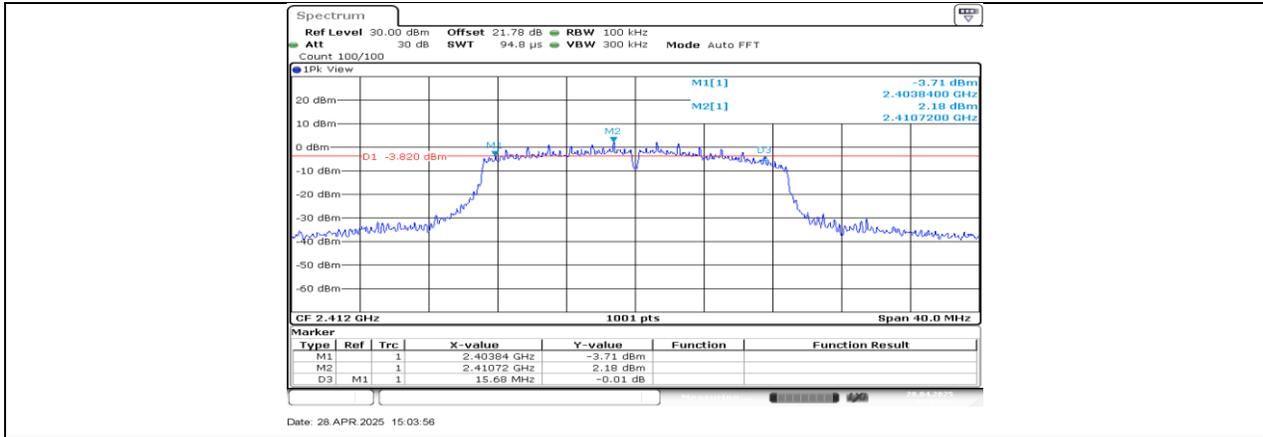
11G-CDD\_Ant3\_2412



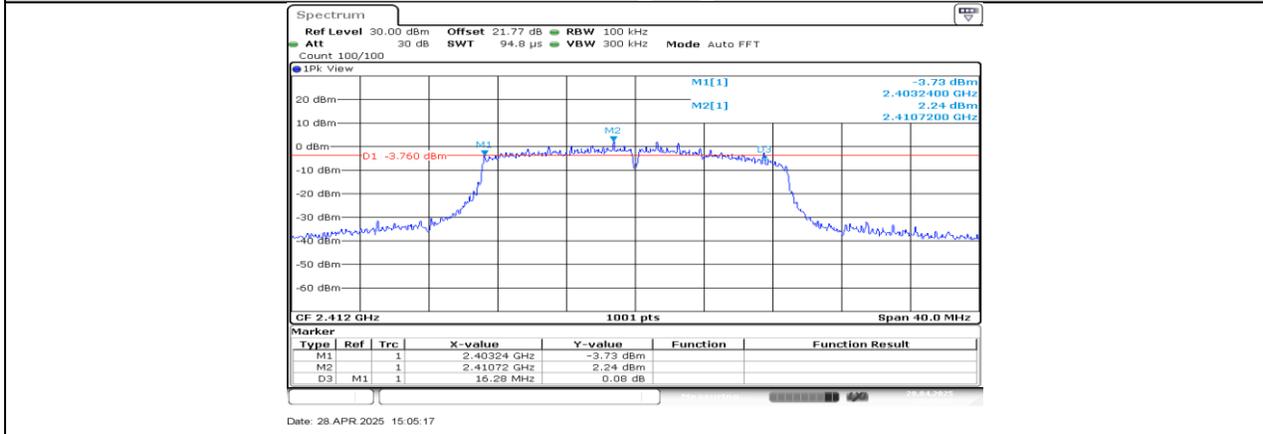
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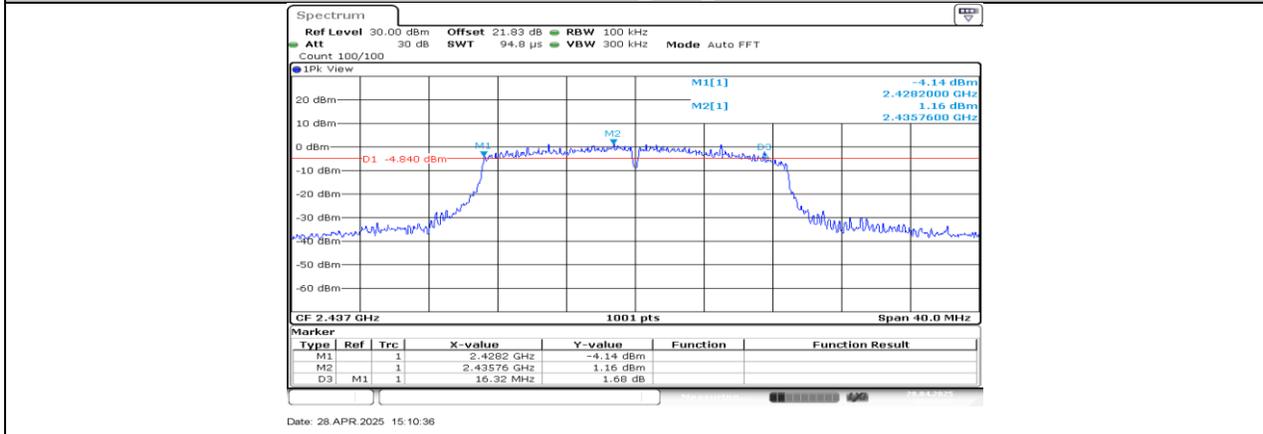
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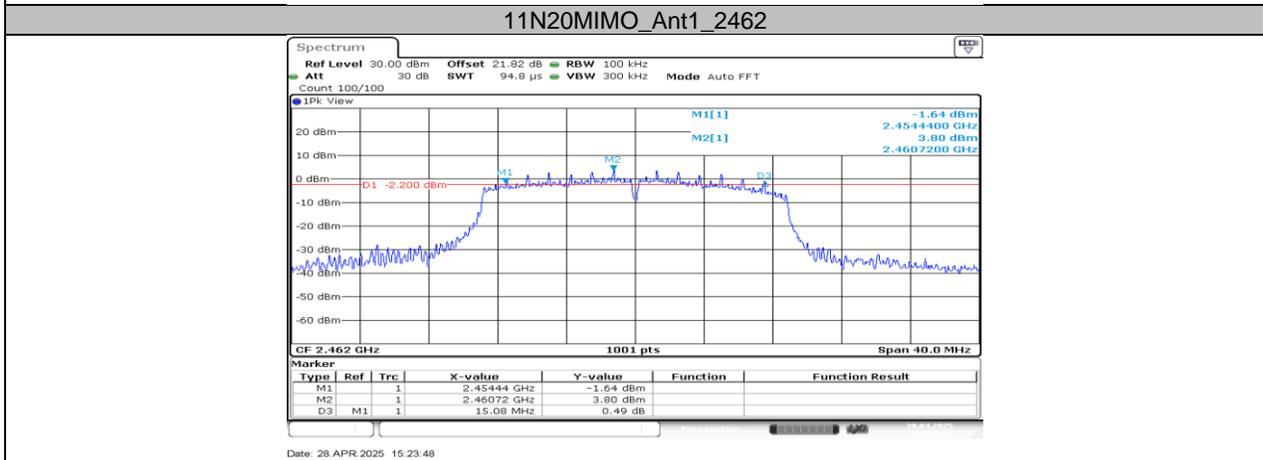
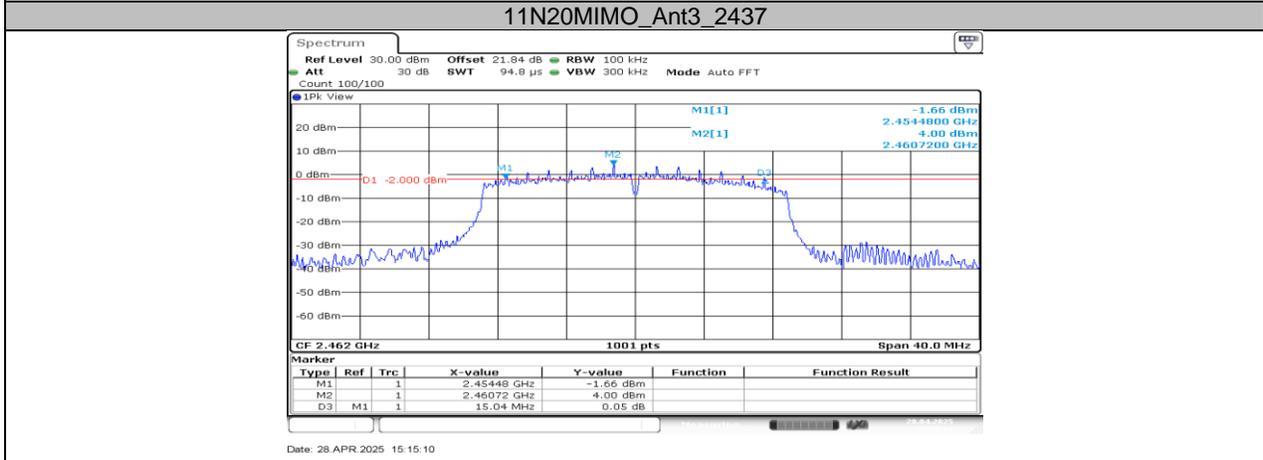
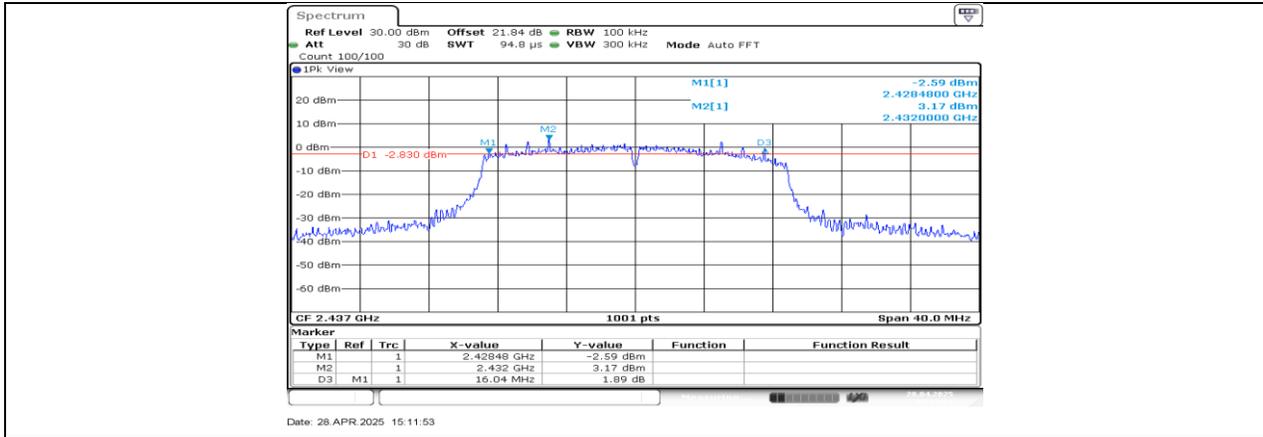
11N20MIMO\_Ant1\_2412



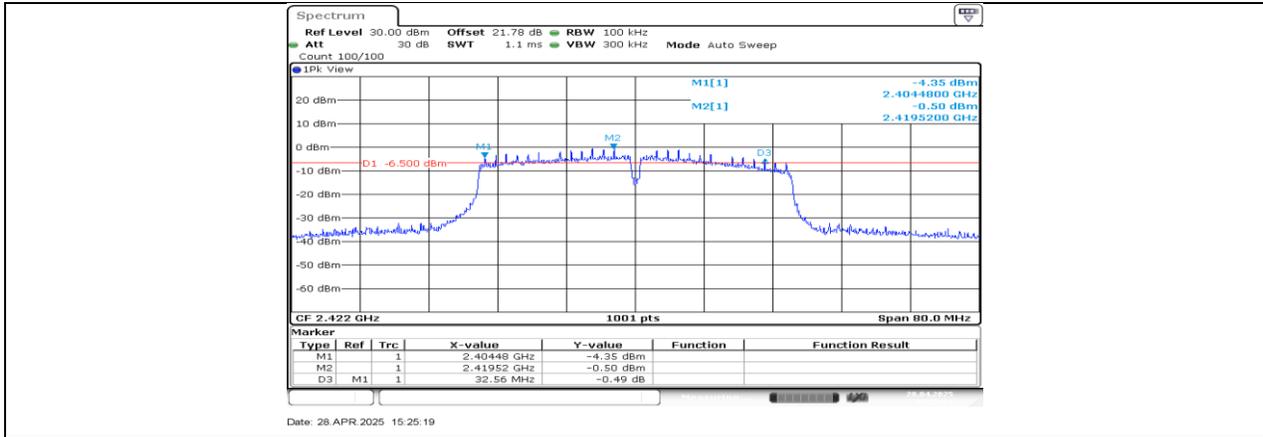
11N20MIMO\_Ant3\_2412



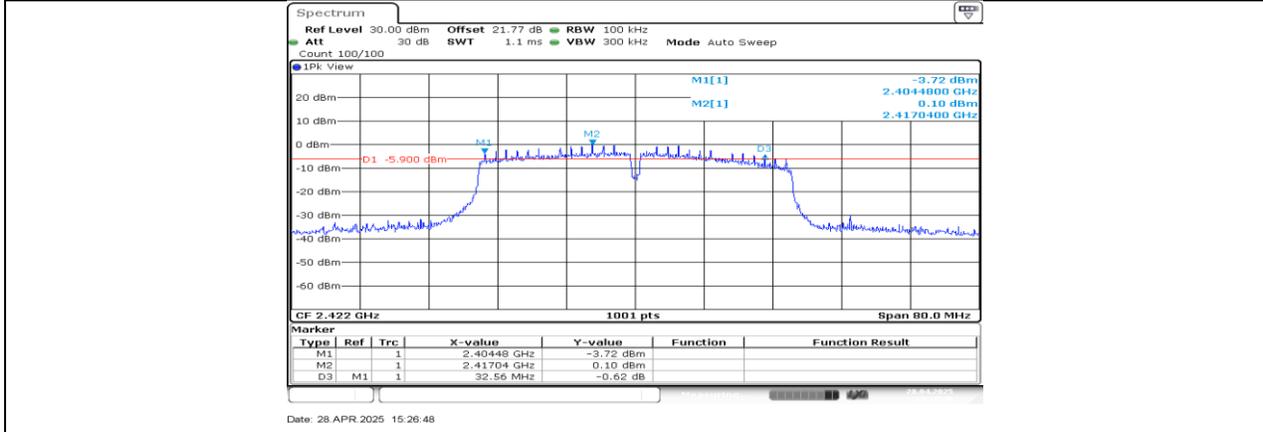
11N20MIMO\_Ant1\_2437



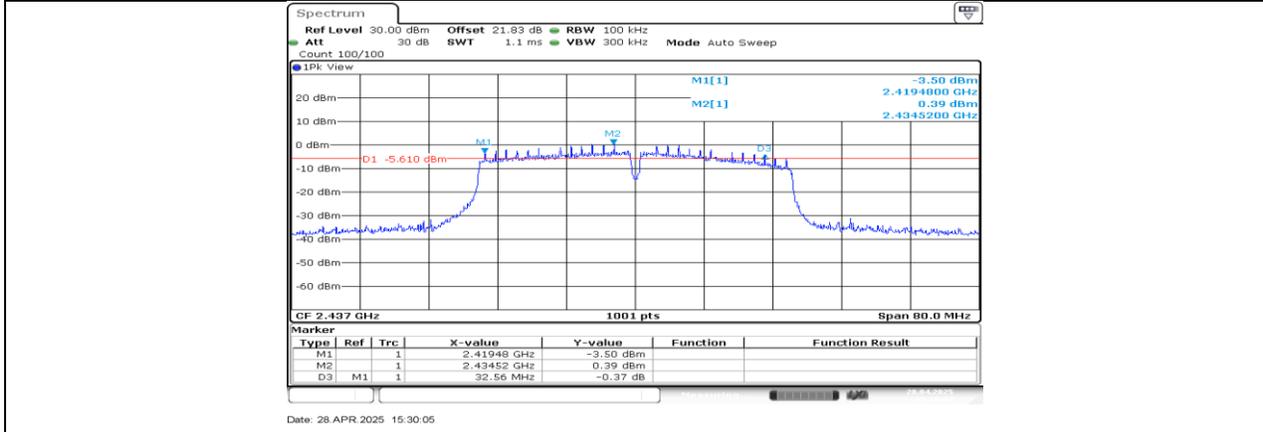
**11N20MIMO\_Ant3\_2462**



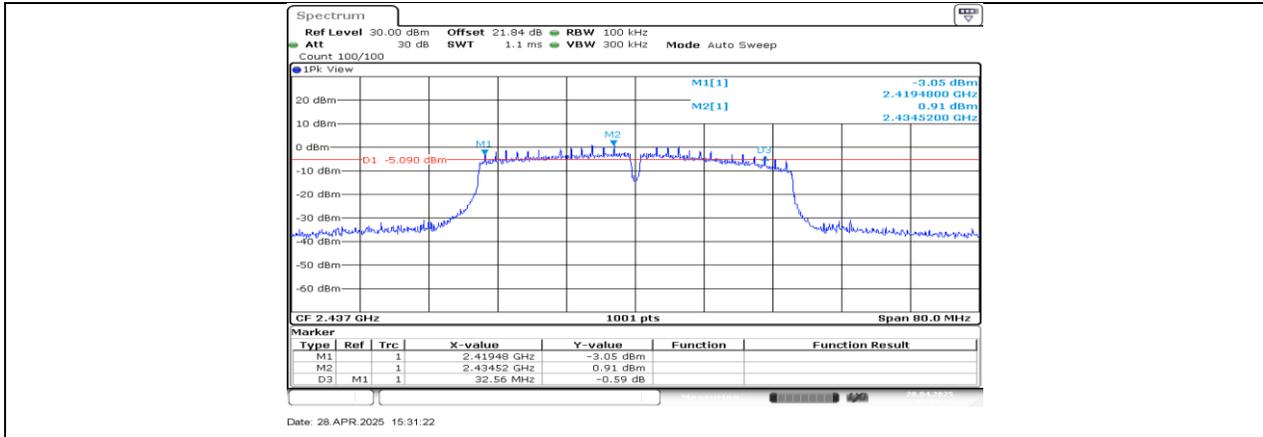
11N40MIMO\_Ant1\_2422



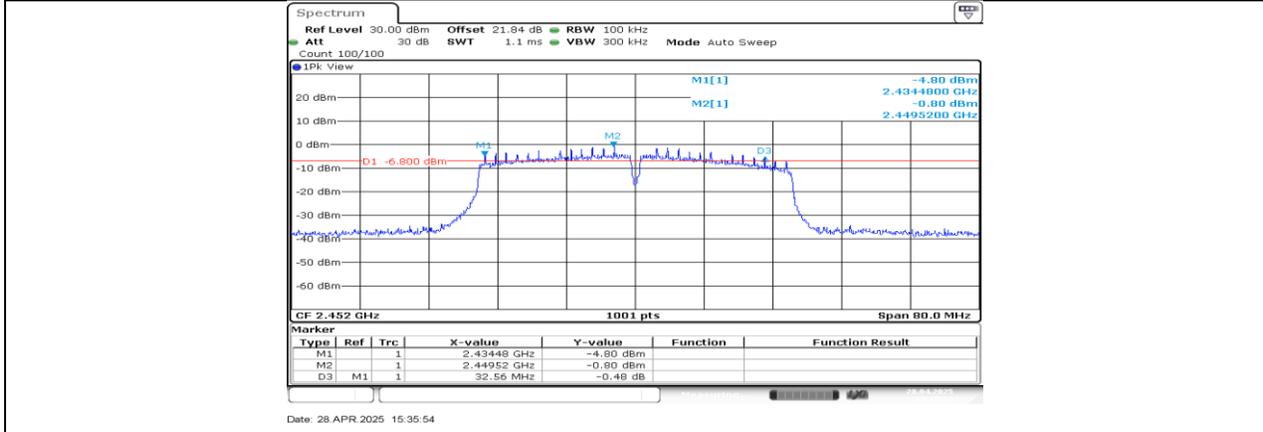
11N40MIMO\_Ant3\_2422



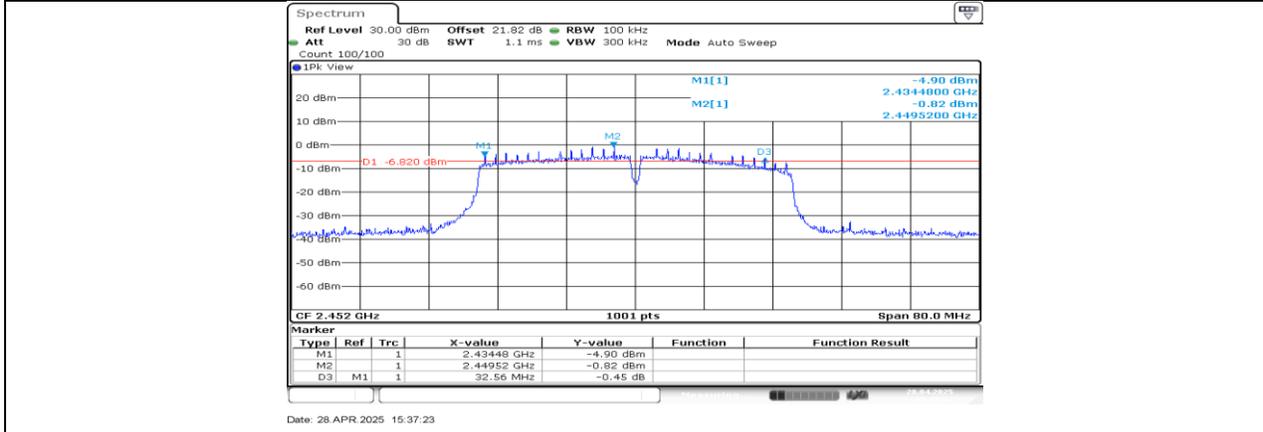
11N40MIMO\_Ant1\_2437



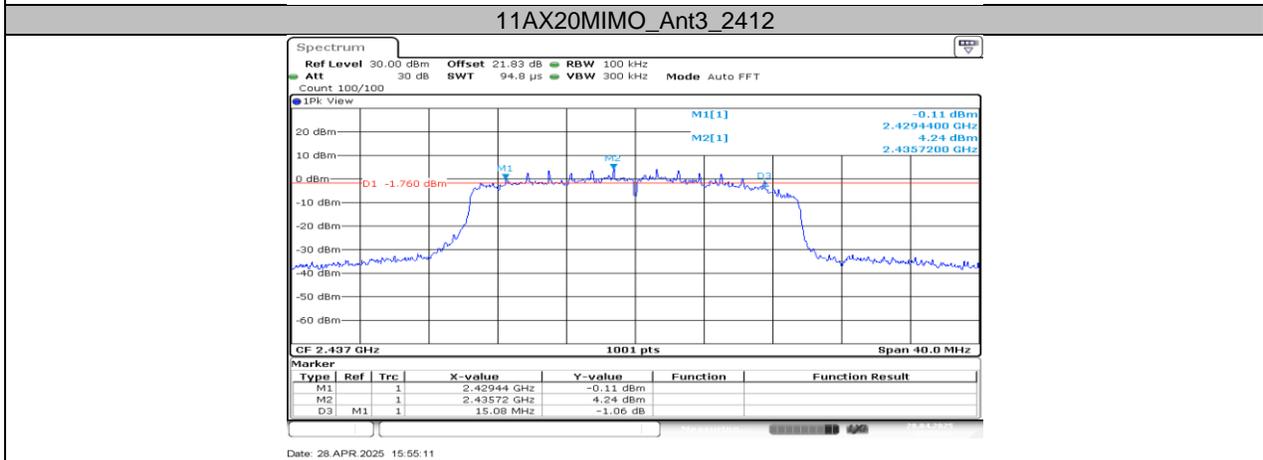
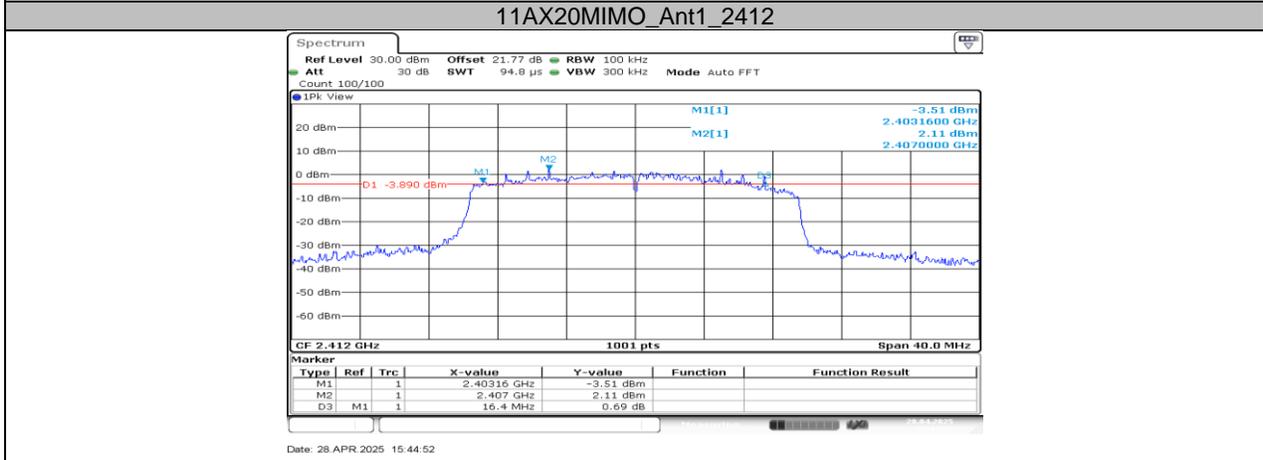
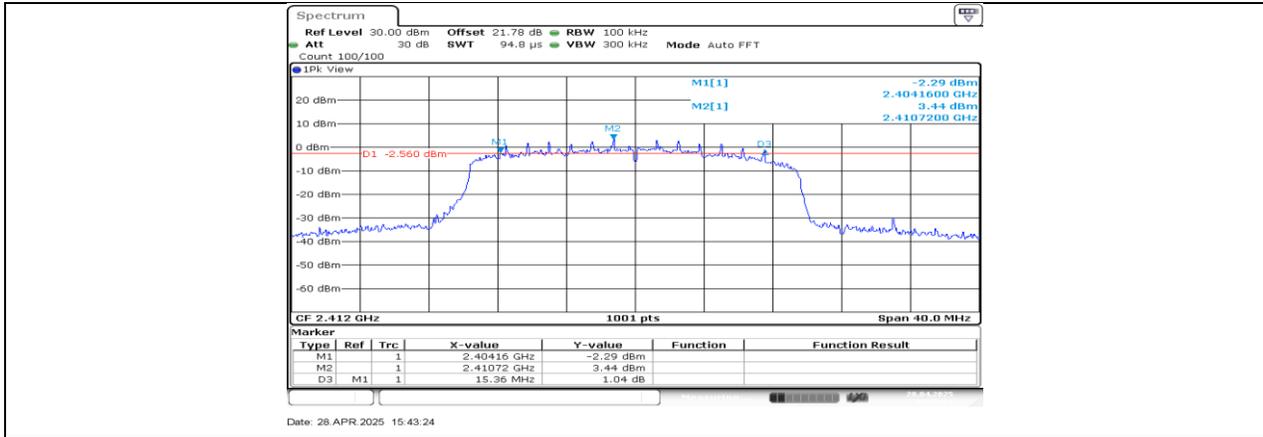
11N40MIMO\_Ant3\_2437



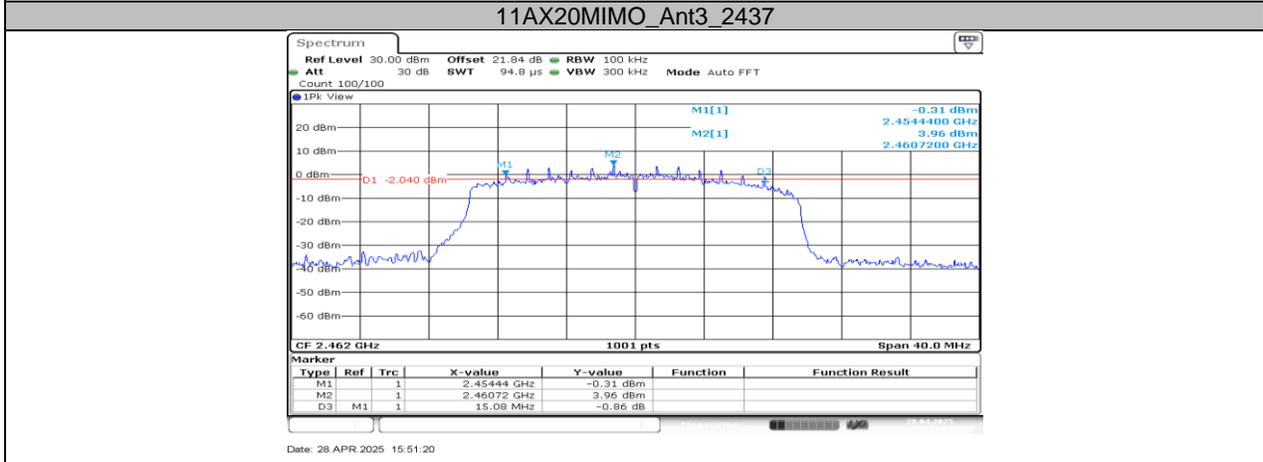
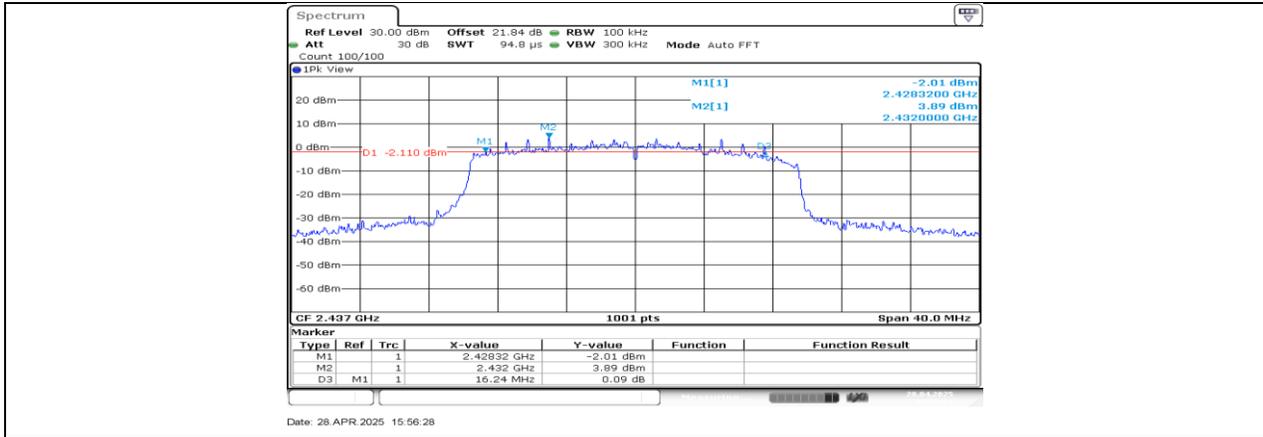
11N40MIMO\_Ant1\_2452



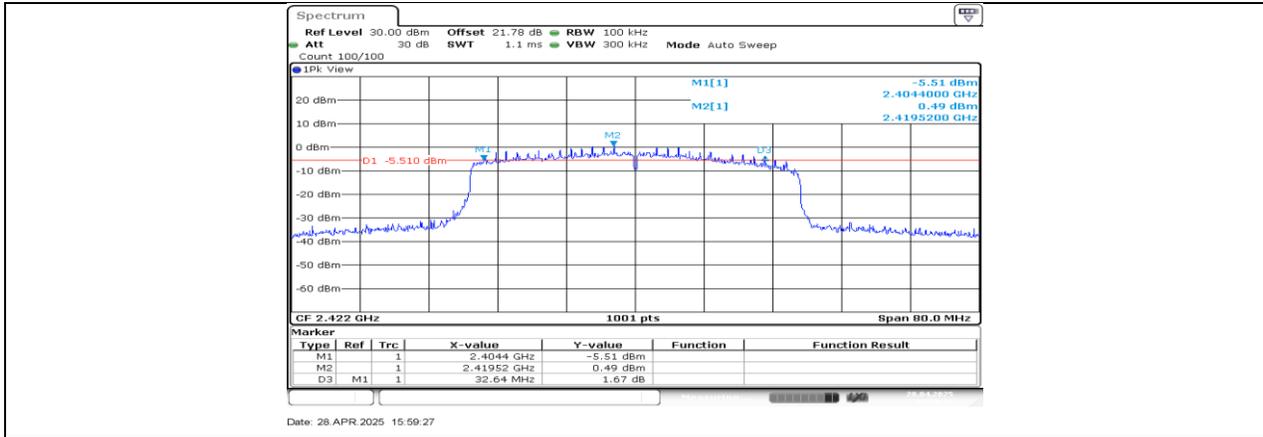
11N40MIMO\_Ant3\_2452



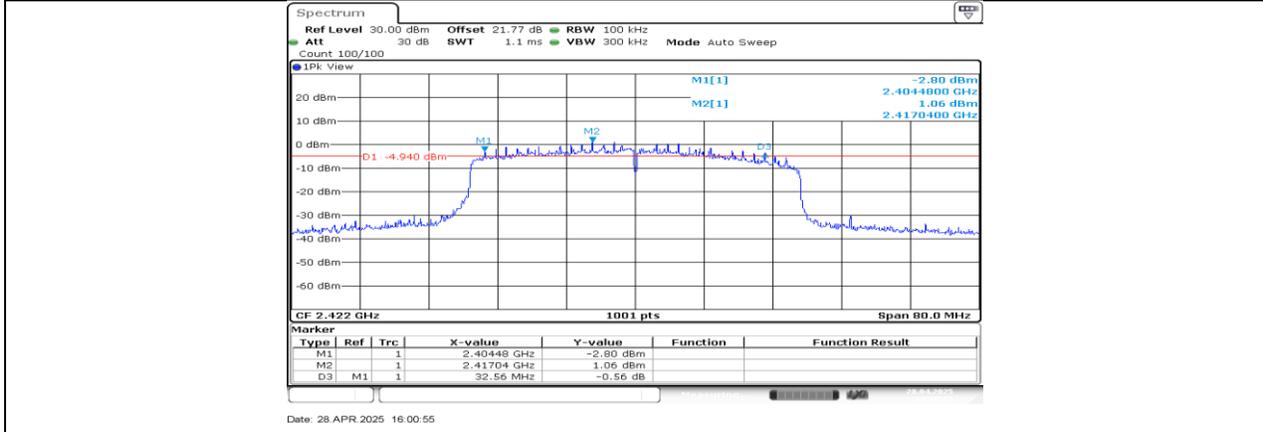
**11AX20MIMO\_Ant1\_2437**



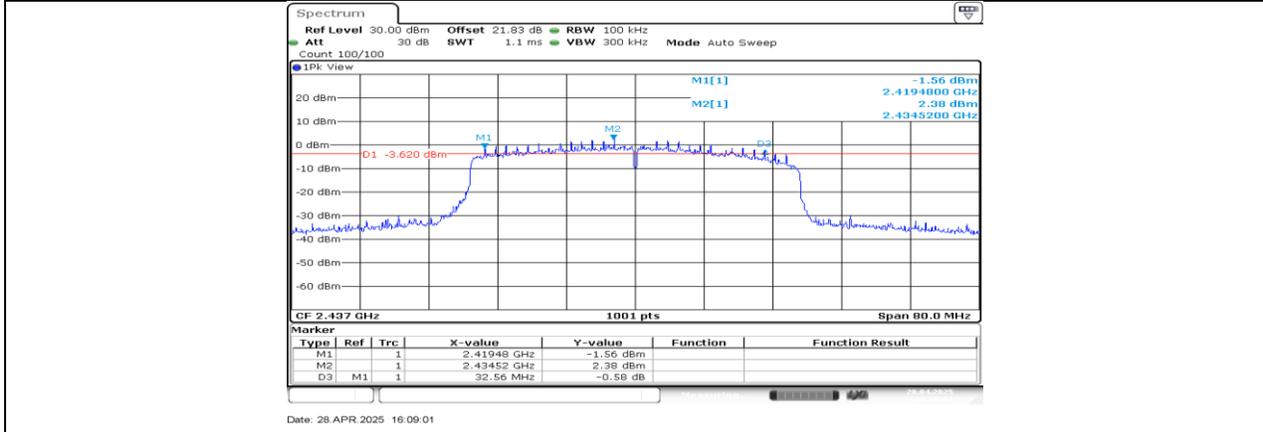
**11AX20MIMO\_Ant3\_2462**



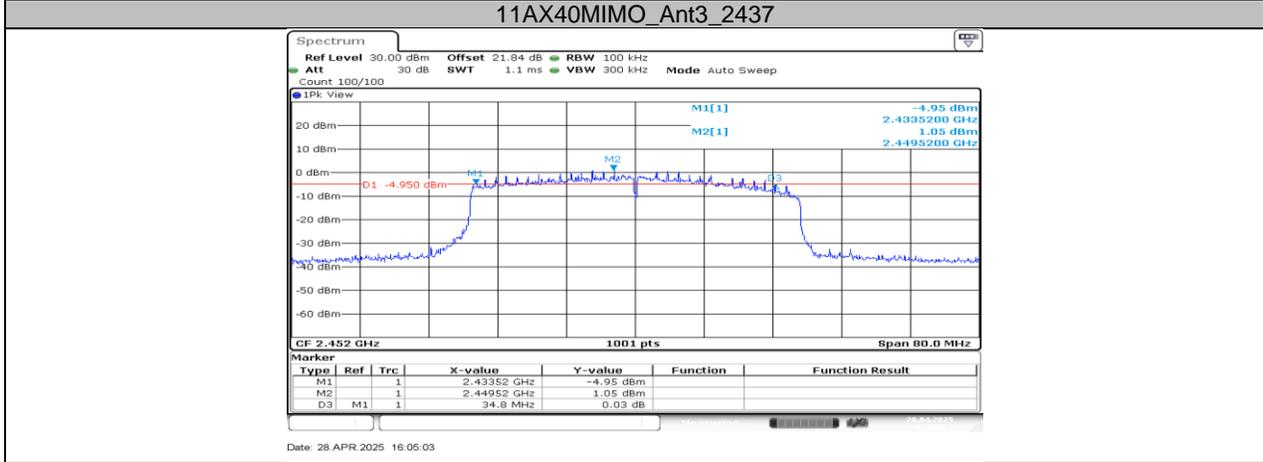
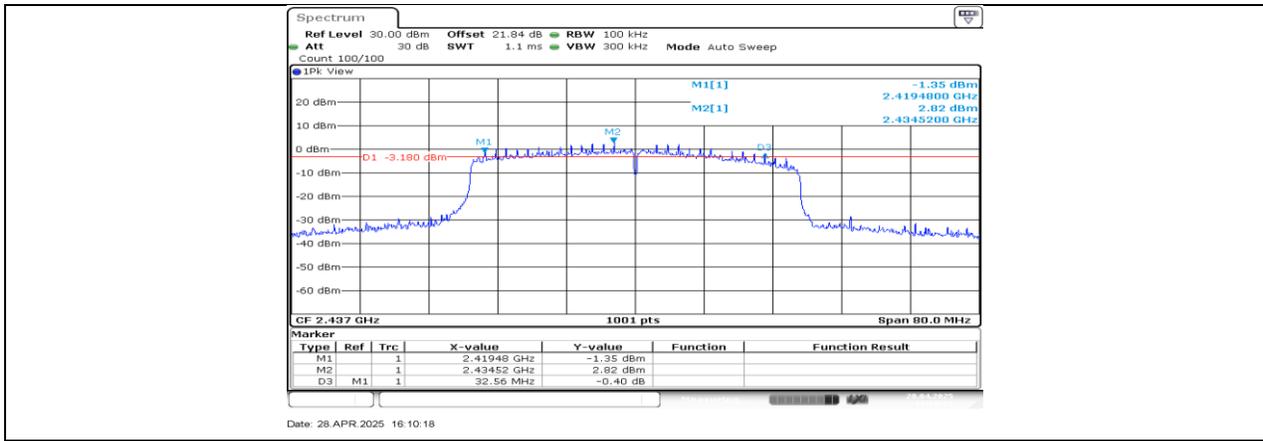
11AX40MIMO\_Ant1\_2422



11AX40MIMO\_Ant3\_2422



11AX40MIMO\_Ant1\_2437

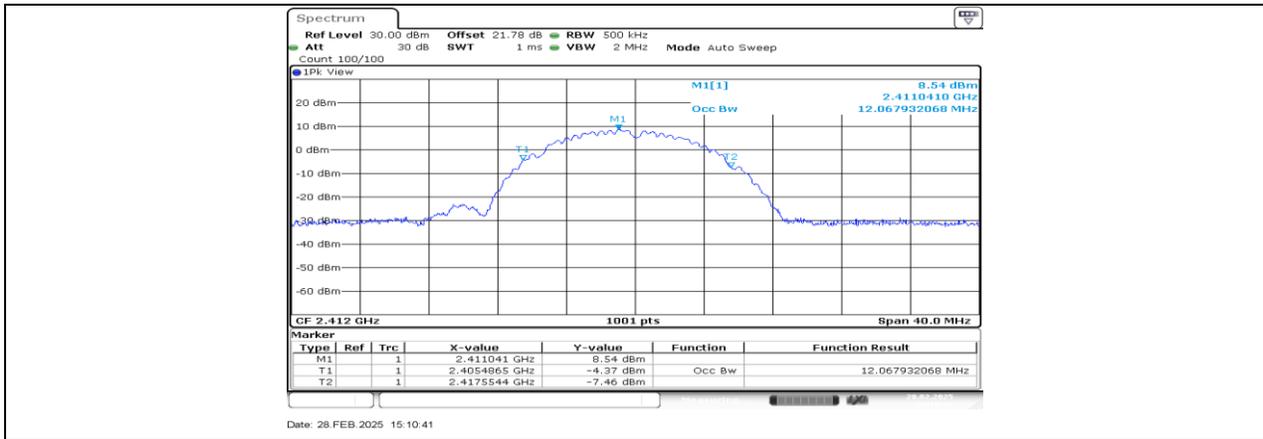


## 11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

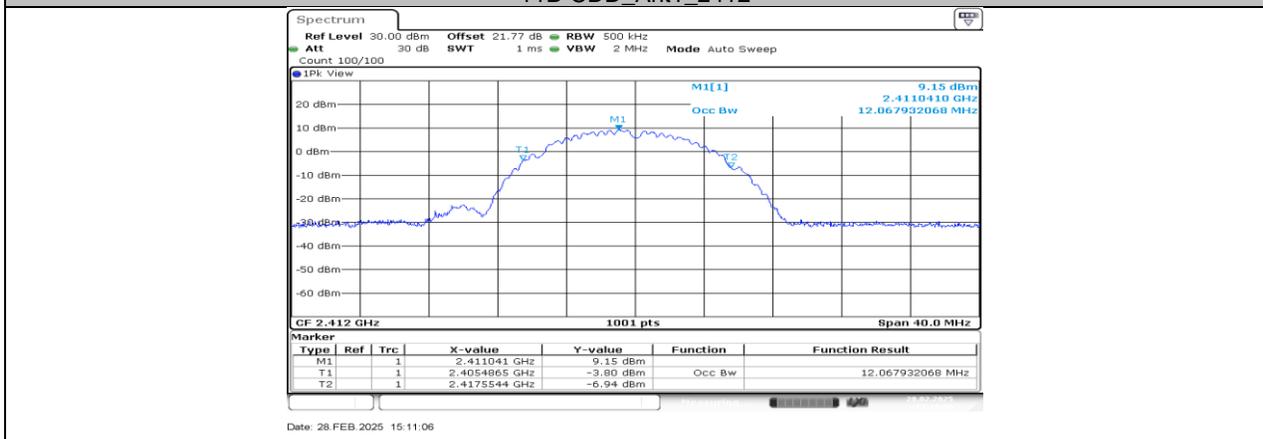
### 11.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11B-CDD	Ant1	2412	12.068	2405.4865	2417.5544	PASS
	Ant3	2412	12.068	2405.4865	2417.5544	PASS
	Ant1	2437	12.068	2430.4865	2442.5544	PASS
	Ant3	2437	11.988	2430.5265	2442.5145	PASS
	Ant1	2462	11.988	2455.5265	2467.5145	PASS
	Ant3	2462	11.908	2455.5664	2467.4745	PASS
11G-CDD	Ant1	2412	16.583	2403.6084	2420.1918	PASS
	Ant3	2412	16.503	2403.6484	2420.1518	PASS
	Ant1	2437	16.583	2428.6084	2445.1918	PASS
	Ant3	2437	16.464	2428.6883	2445.1518	PASS
	Ant1	2462	16.583	2453.6484	2470.2318	PASS
	Ant3	2462	16.503	2453.6883	2470.1918	PASS
11N20MIMO	Ant1	2412	17.662	2403.0490	2420.7113	PASS
	Ant3	2412	17.662	2403.0090	2420.6713	PASS
	Ant1	2437	17.662	2428.0490	2445.7113	PASS
	Ant3	2437	17.702	2428.0090	2445.7113	PASS
	Ant1	2462	17.702	2453.0090	2470.7113	PASS
	Ant3	2462	17.742	2452.9690	2470.7113	PASS
11N40MIMO	Ant1	2422	36.364	2403.4585	2439.8222	PASS
	Ant3	2422	36.284	2403.5385	2439.8222	PASS
	Ant1	2437	36.364	2418.5385	2454.9021	PASS
	Ant3	2437	36.284	2418.5385	2454.8222	PASS
	Ant1	2452	36.284	2433.5385	2469.8222	PASS
	Ant3	2452	36.284	2433.5385	2469.8222	PASS
11AX20MIMO	Ant1	2412	18.661	2402.4895	2421.1508	PASS
	Ant3	2412	18.661	2402.4895	2421.1508	PASS
	Ant1	2437	18.621	2427.4895	2446.1109	PASS
	Ant3	2437	18.701	2427.4496	2446.1508	PASS
	Ant1	2462	18.701	2452.4496	2471.1508	PASS
	Ant3	2462	18.661	2452.4895	2471.1508	PASS
11AX40MIMO	Ant1	2422	37.483	2402.9790	2440.4615	PASS
	Ant3	2422	37.403	2402.9790	2440.3816	PASS
	Ant1	2437	37.403	2417.9790	2455.3816	PASS
	Ant3	2437	37.483	2417.9790	2455.4615	PASS
	Ant1	2452	37.483	2432.9790	2470.4615	PASS
	Ant3	2452	37.562	2432.8991	2470.4615	PASS

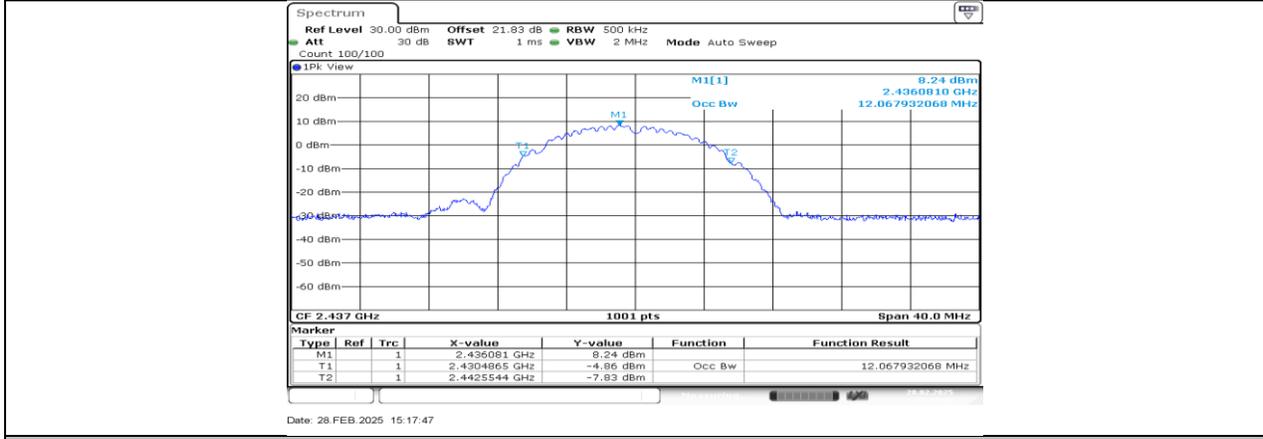
### 11.2.2. Test Graphs



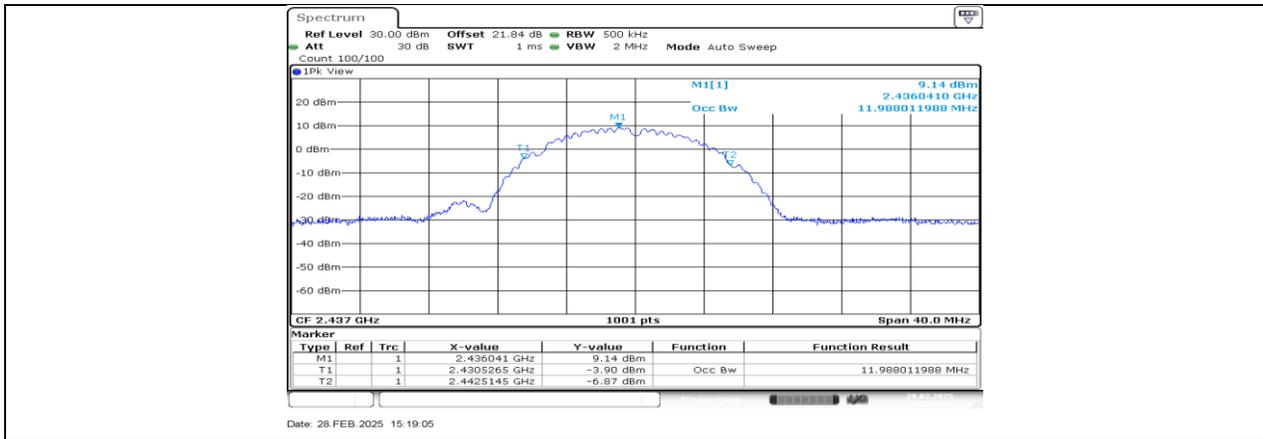
11B-CDD\_Ant1\_2412



11B-CDD\_Ant3\_2412



11B-CDD\_Ant1\_2437



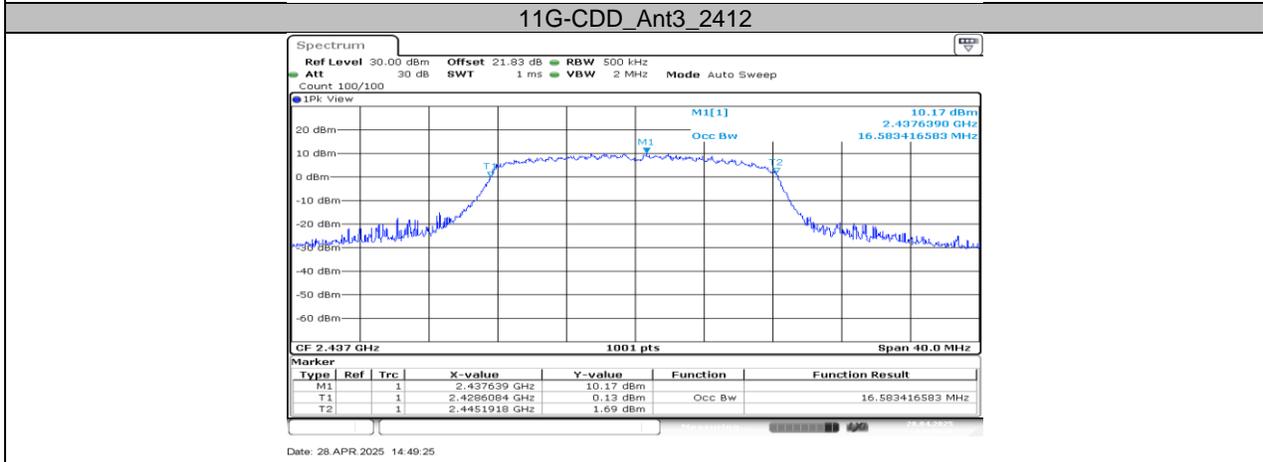
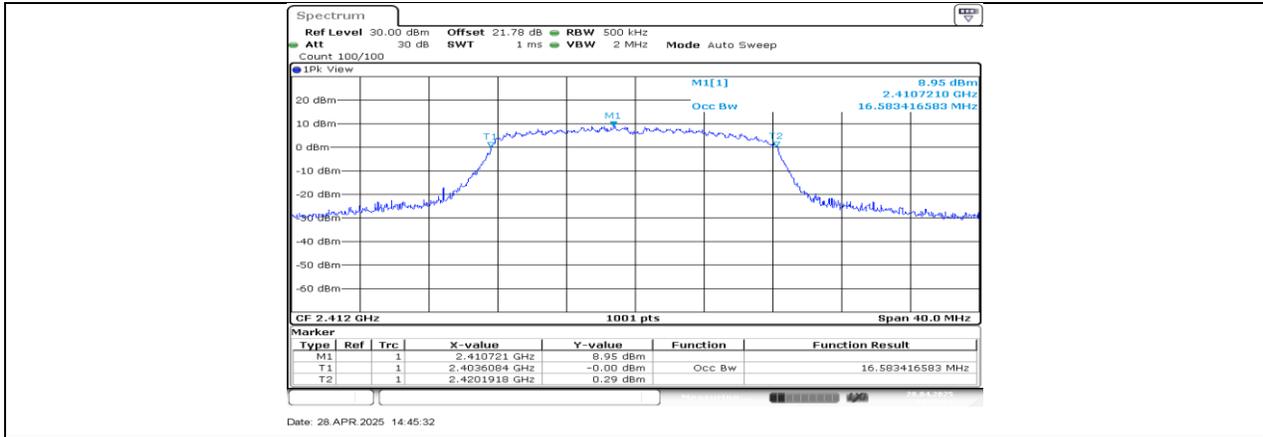
11B-CDD\_Ant3\_2437



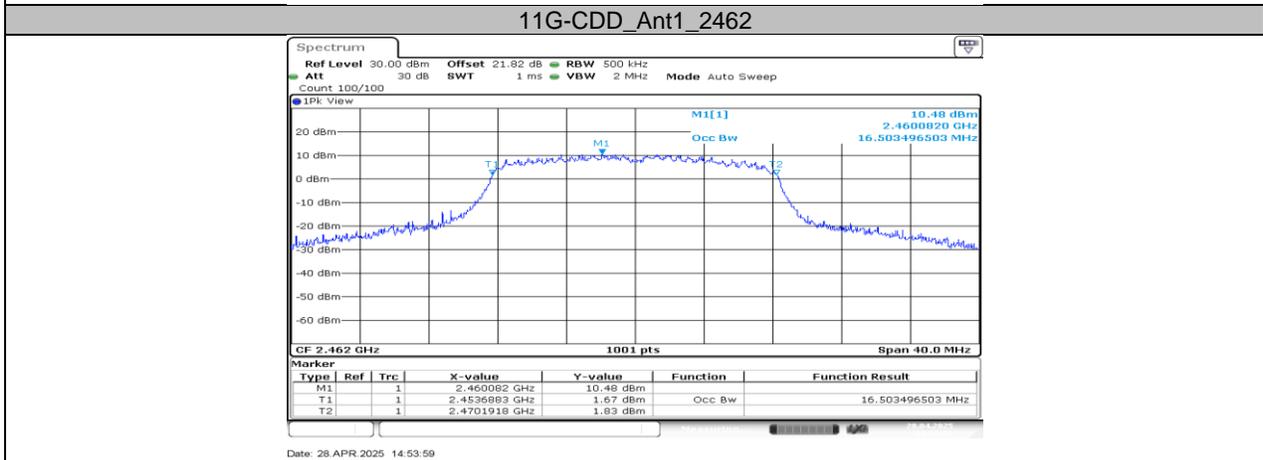
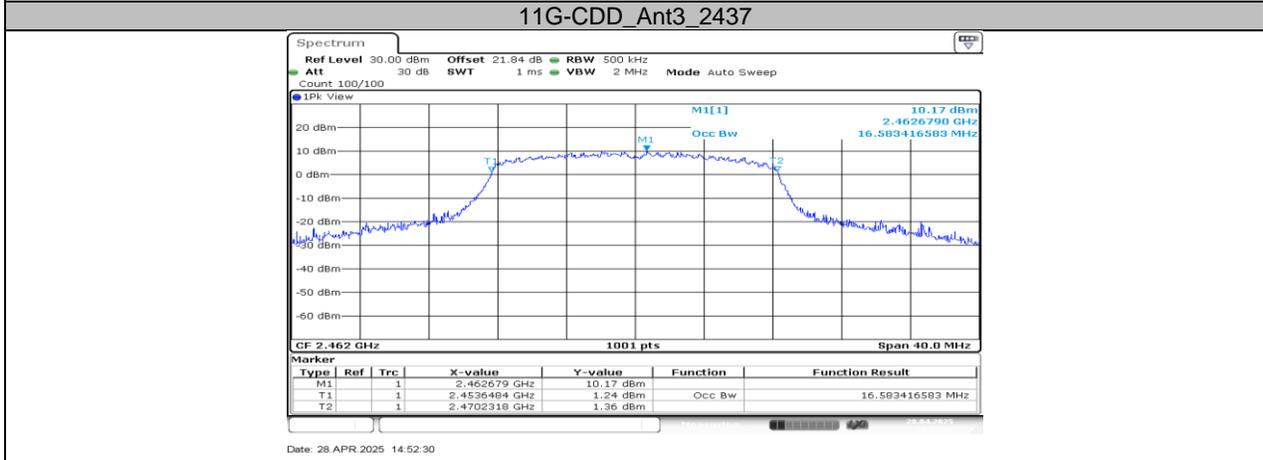
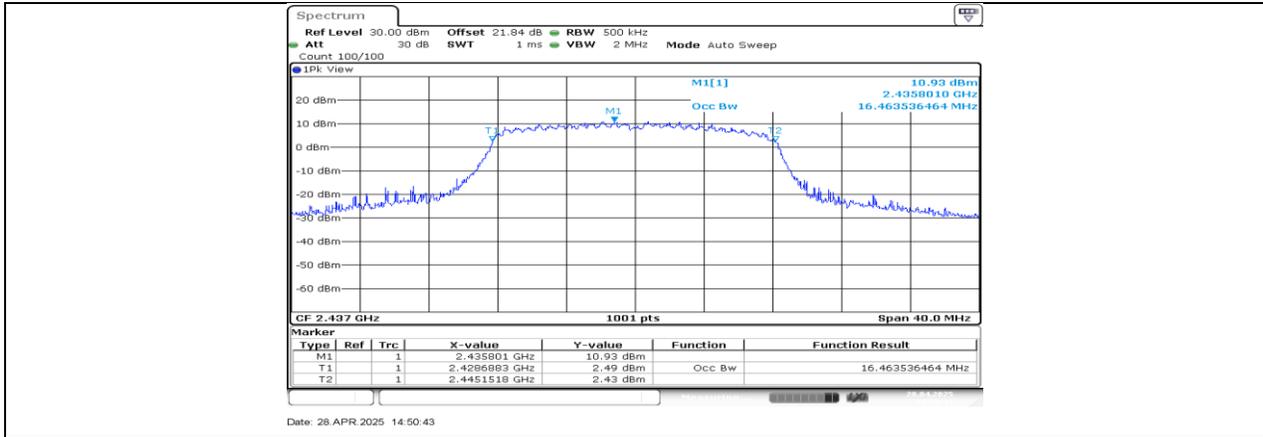
11B-CDD\_Ant1\_2462



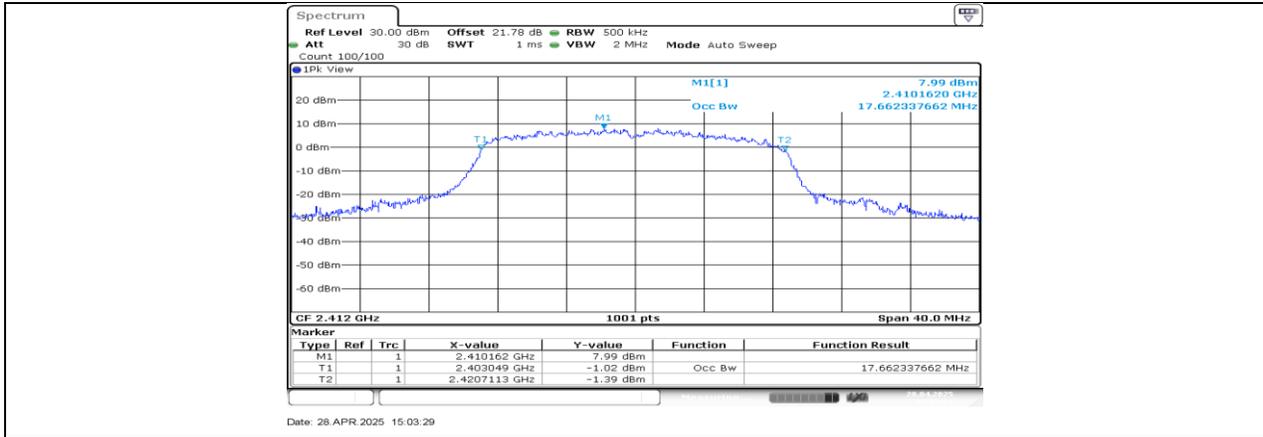
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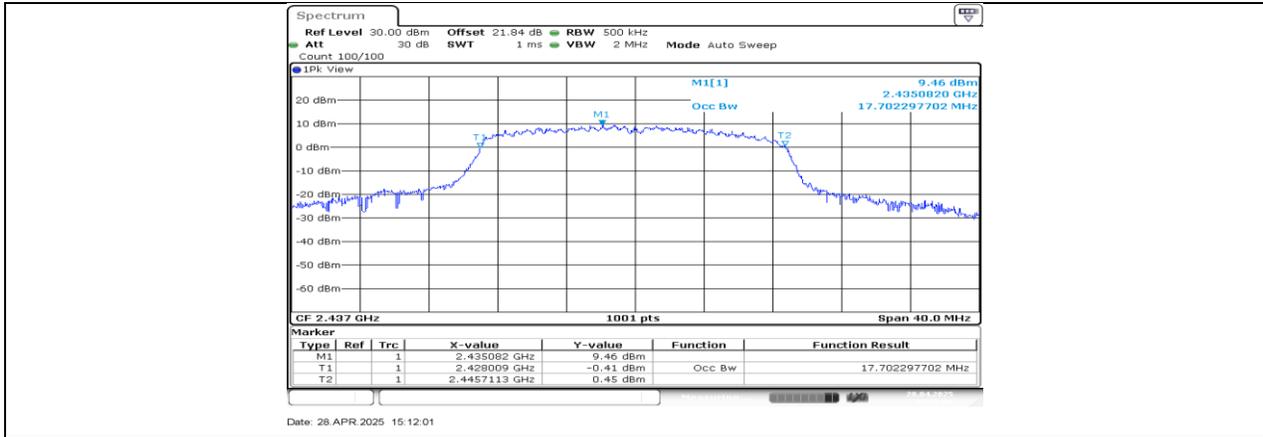
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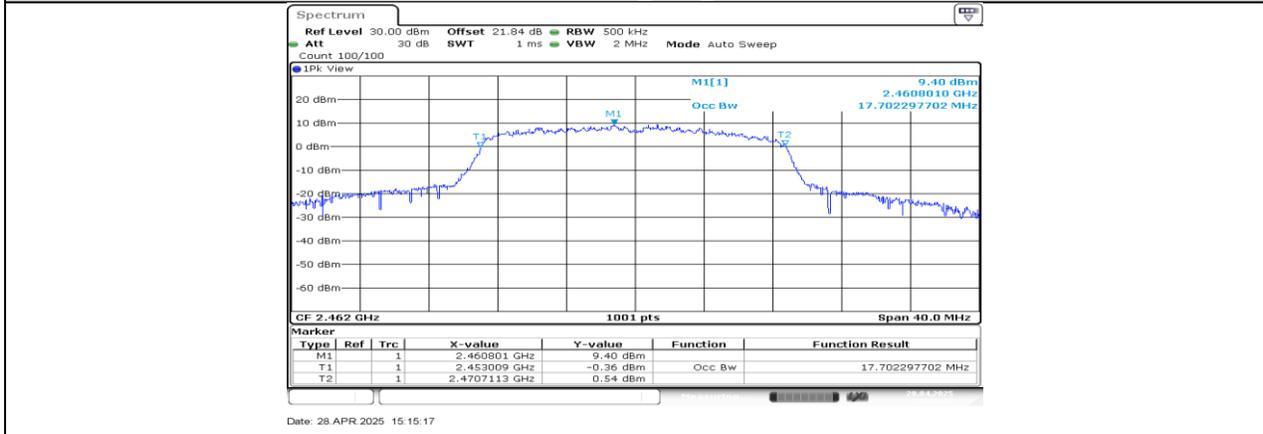
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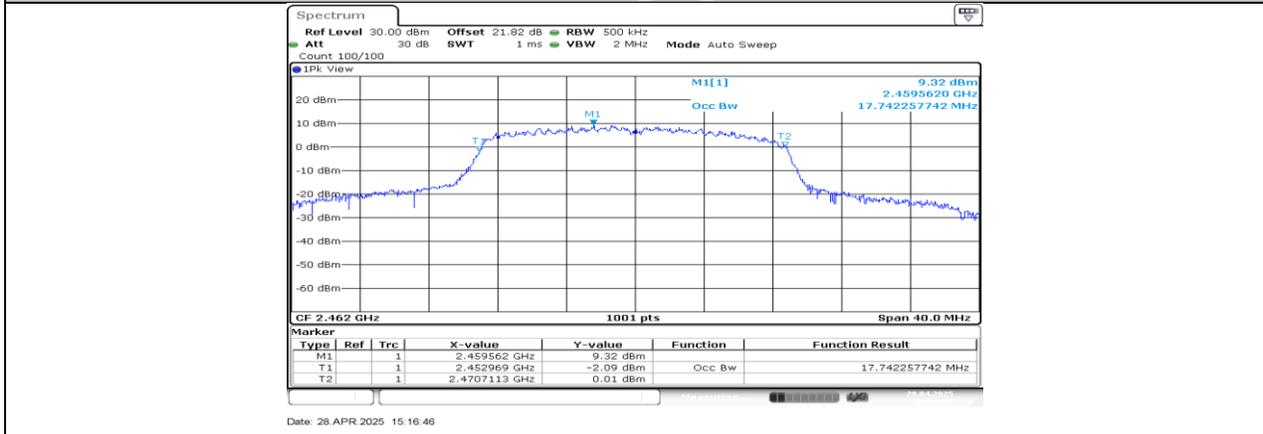
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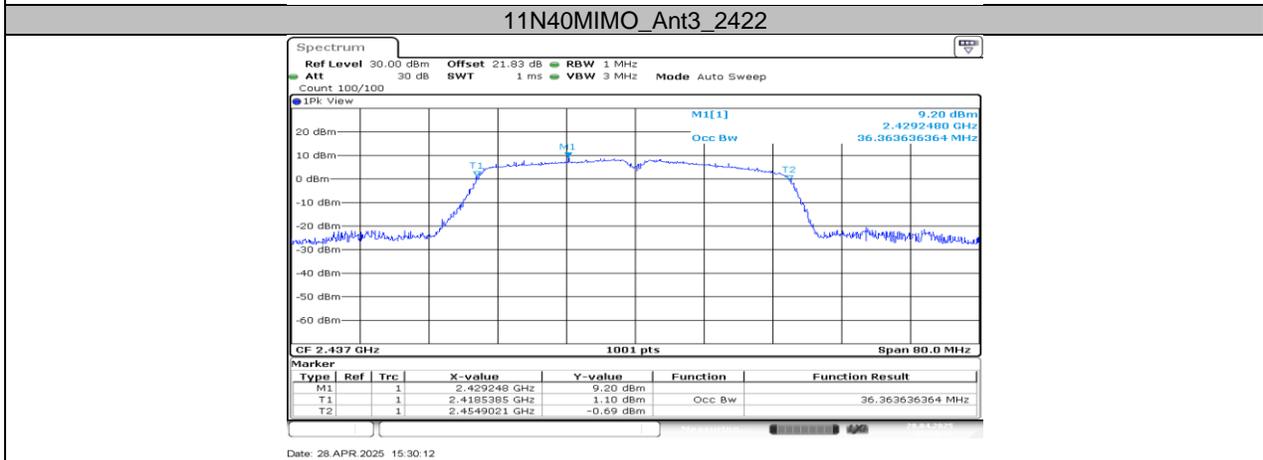
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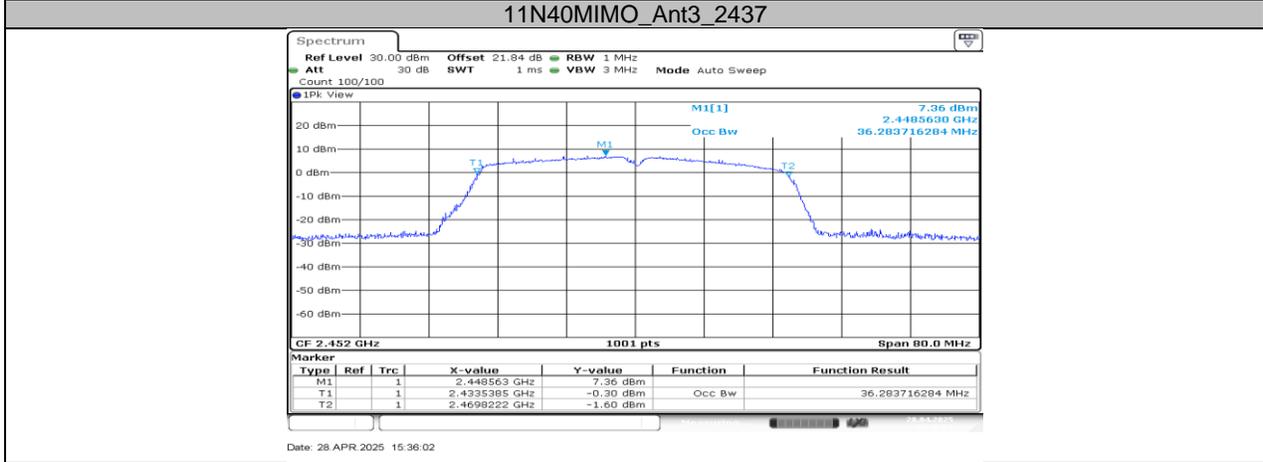
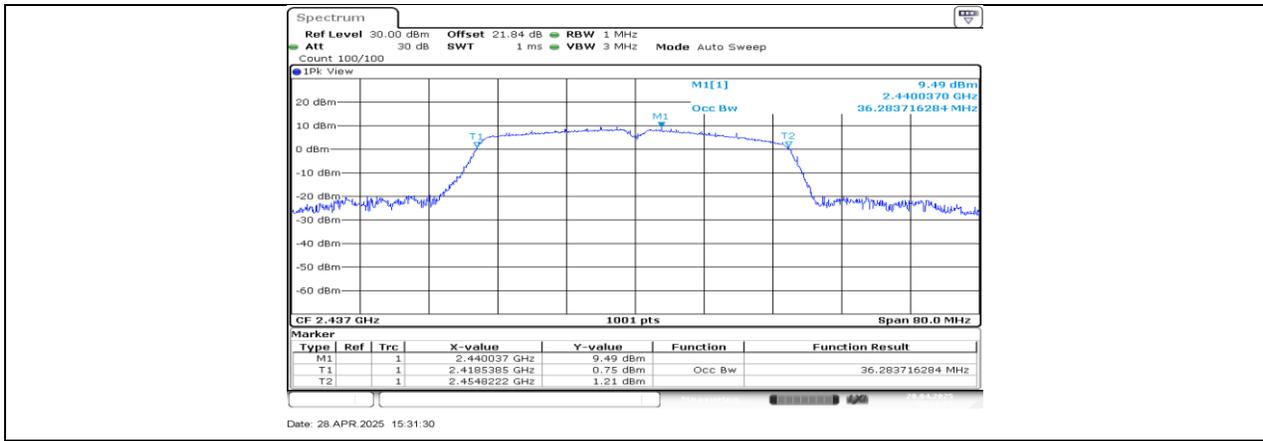
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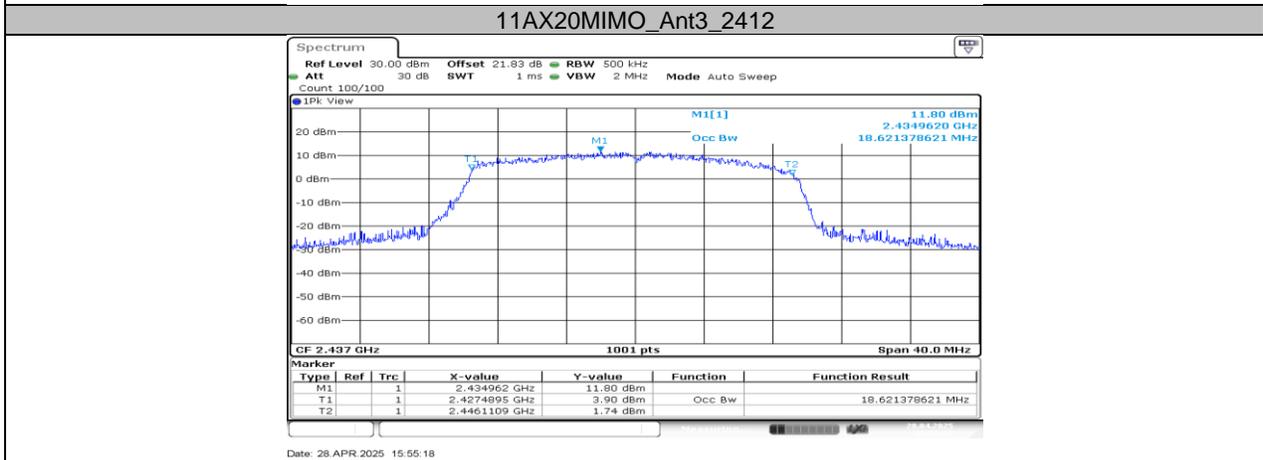
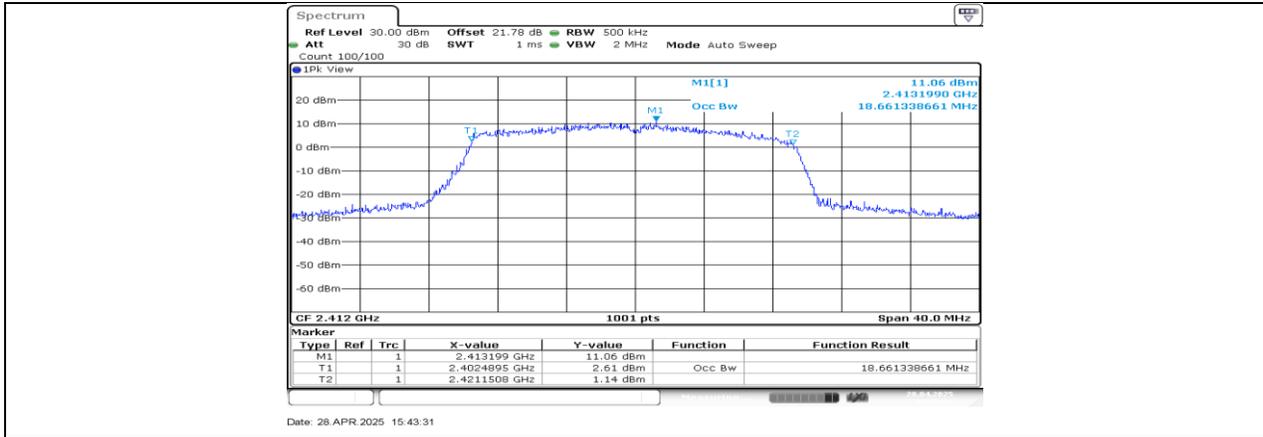
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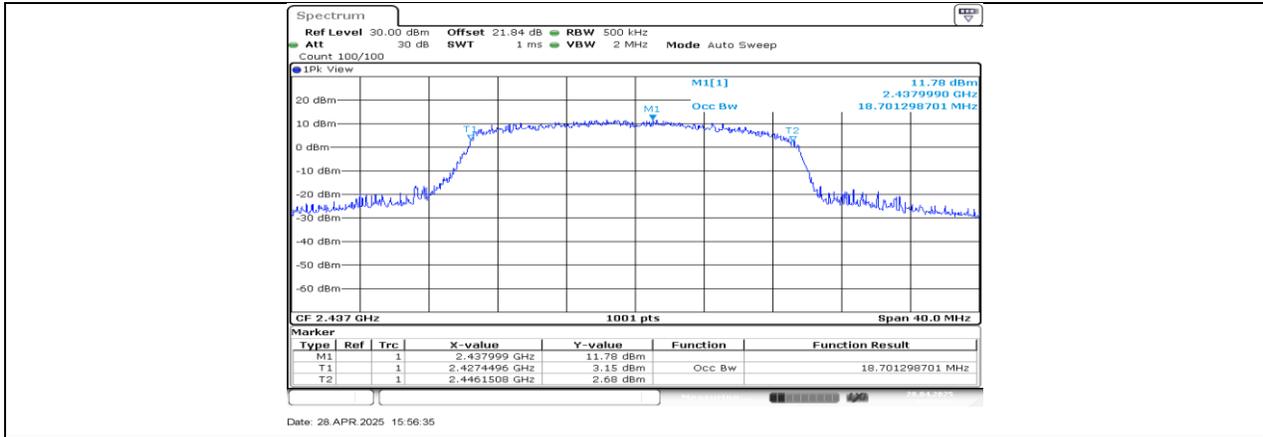
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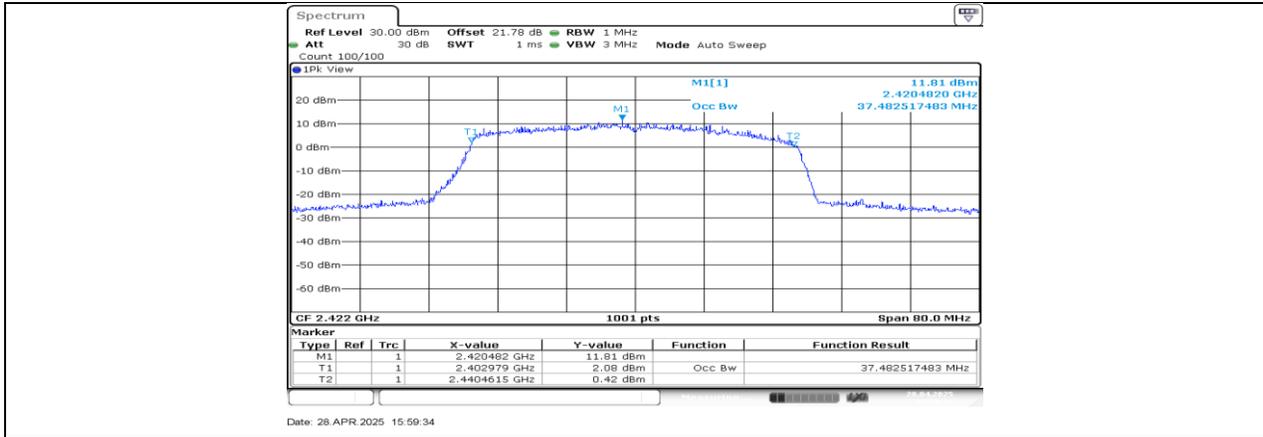
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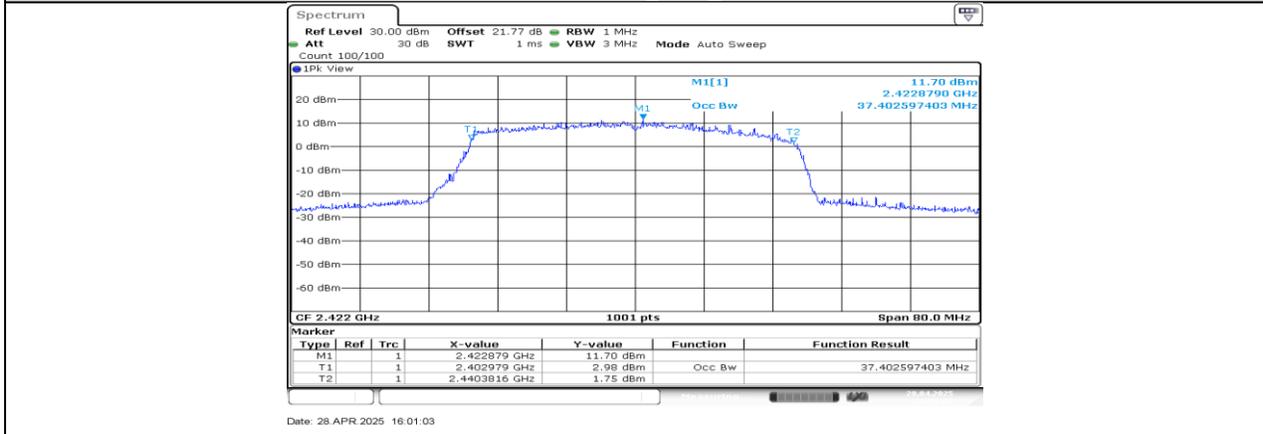
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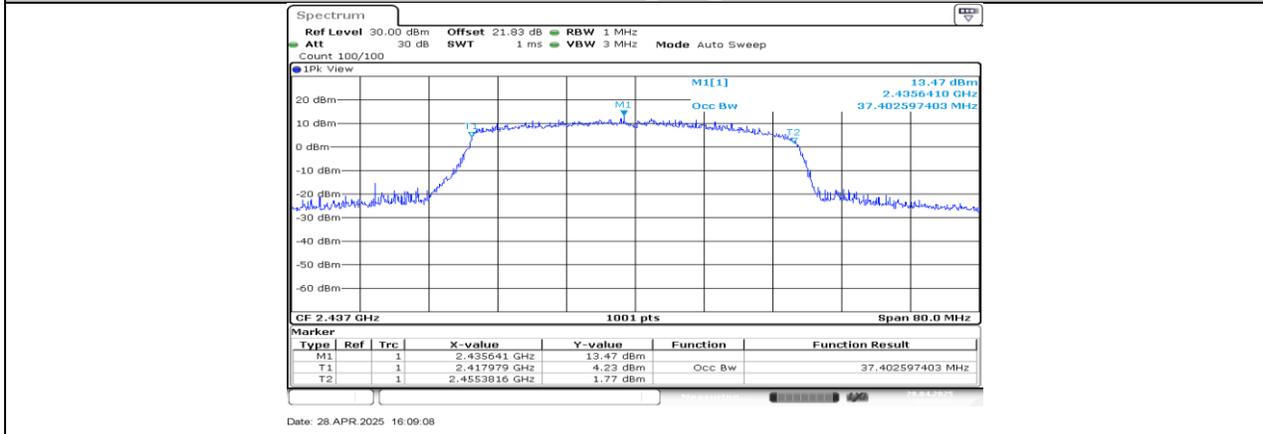
**11AX20MIMO\_Ant3\_2462**



11AX40MIMO\_Ant1\_2422



11AX40MIMO\_Ant3\_2422



11AX40MIMO\_Ant1\_2437