

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

Sensor System

MODEL NUMBER: FRD2488_25

REPORT NUMBER: 4791826590-6-RF-1

ISSUE DATE: July 22, 2025

FCC ID: 2A46G-FRD248825

Prepared for

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	July 22, 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	N/A
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) ISED RSS-Gen Clause 6.7	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

Note:

1. N/A: In this whole report not applicable.

*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: Guangzhou Xaircraft Technology CO.,LTD
Address: Block C, No.115, Gaopu Road, Tianhe District, GuangzhouCity,
Guangdong, P.R.
510663 China

Manufacturer Information

Company Name: Guangzhou Xaircraft Technology CO.,LTD
Address: Block C, No.115, Gaopu Road, Tianhe District, GuangzhouCity,
Guangdong, P.R.
510663 China

EUT Information

EUT Name: Sensor System
Model: FRD2488_25
Brand: XAG
Sample Received Date: June 9, 2025
Sample Status: Normal
Sample ID: 8564579
Date of Tested: June 10, 2025 to July 19, 2025

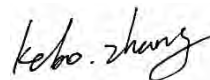
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	Pass

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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	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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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	Sensor System
Model	FRD2488_25
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/ax HE20
Normal Test Voltage:	DC 24V

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	/	/

5.3. MAXIMUM POWER

FPV board

IEEE Std. 802.11	Frequency (MHz)	Channel Number	Maximum Conducted AVG Output Power (dBm)	Maximum AVG EIRP (dBm)
b	2412 ~ 2462	1-11[11]	20.97	24.08
g	2412 ~ 2462	1-11[11]	18.88	21.99
n HT20	2412 ~ 2462	1-11[11]	17.42	20.53
ax HE20	2412 ~ 2462	1-11[11]	14.01	17.12

Radar board

IEEE Std. 802.11	Frequency (MHz)	Channel Number	Maximum Conducted AVG Output Power (dBm)	Maximum AVG EIRP (dBm)
b	2412 ~ 2462	1-11[11]	15.35	18.46
g	2412 ~ 2462	1-11[11]	19.39	22.5
n HT20	2412 ~ 2462	1-11[11]	17.82	20.93
ax HE20	2412 ~ 2462	1-11[11]	17.77	20.88

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
ax HE20	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2412 MHz, 2437 MHz, 2462 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

FPV board

The Worst Case Power Setting Parameter under 2400 ~ 2483.5MHz Band							
Test Software		EspRFTTestTool					
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	default	default	default	/		
802.11g	1	4	4	4			
802.11n HT20	1	4	4	4			
802.11ax HE20	1	4	4	4			

Radar board

The Worst Case Power Setting Parameter under 2400 ~ 2483.5MHz Band							
Test Software		EspRFTTestTool					
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	18	18	18	/		
802.11g	1	default	default	4			
802.11n HT20	1	default	default	2			
802.11ax HE20	1	default	default	6			

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.

For both FPV board and Radar board, 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

802.11ax HE20 mode: MCS0

802.11b/g/n HT20/ax HE20 only support SISO mode, 802.11ax HE20 only support full RU mode.

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

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	2412-2462	Chip Antenna	3.11

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

Note:

1. FPV board WLAN 2.4G & Radar board WLAN 2.4G can transmit simultaneously.
2. FPV board WLAN 2.4G & Radar 24G can transmit simultaneously.
3. Radar board WLAN 2.4G & Radar 24G can transmit simultaneously.
4. FPV board WLAN 2.4G & Radar board WLAN 2.4G & Radar 24G can transmit simultaneously.
(declared by client)

5.7. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remark
1	PC	Lenovo	E14	/

I/O CABLES

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

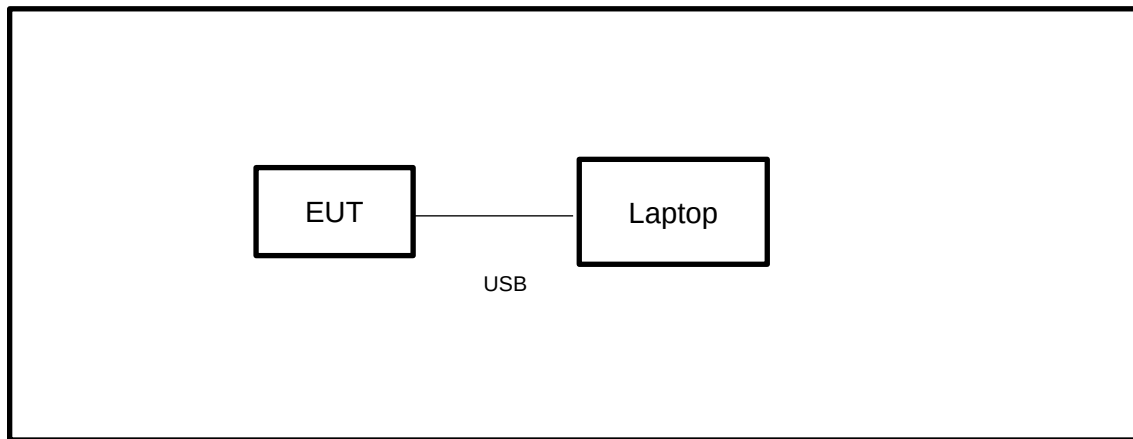
ACCESSORIES

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

TEST SETUP

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

SETUP DIAGRAM FOR TESTS



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	

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

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

7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C			
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

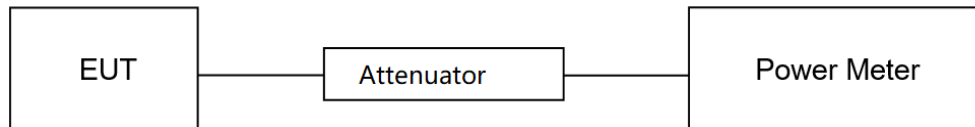
Refer to ANSI C63.10-2013 clause 11.9.2.3.1.

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	25.1°C	Relative Humidity	65%
Atmosphere Pressure	101kPa	Test Voltage	DC 24V

TEST DATE / ENGINEER

Test Date	July 2, 2025	Test By	Bairong Liu
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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

Note: There is no relative section in CFR 47 FCC Part15 (15.247) Subpart C for 99 % Occupied Bandwidth. 99 % Occupied Bandwidth is tested for reporting purposes using RSS-Gen section.

TEST PROCEDURE

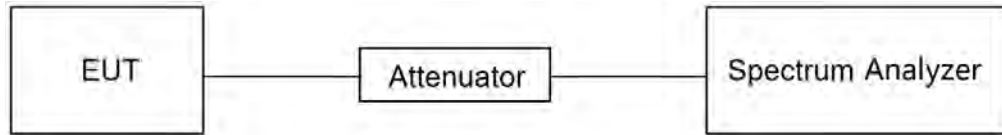
Refer to ANSI C63.10-2013 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

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

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

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

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

TEST SETUP**TEST ENVIRONMENT**

Temperature	25.1℃	Relative Humidity	65%
Atmosphere Pressure	101kPa	Test Voltage	DC 24V

TEST DATE / ENGINEER

Test Date	July 2, 2025	Test By	Bairong Liu
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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.

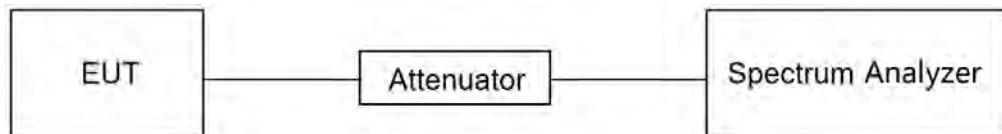
Connect the EUT to the spectrum analyzer and use the following settings:

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	25.1℃	Relative Humidity	65%
Atmosphere Pressure	101kPa	Test Voltage	DC 24V

TEST DATE / ENGINEER

Test Date	July 2, 2025	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix D

7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C		
Section	Test Item	Limit
CFR 47 FCC §15.247 (d)	Conducted Bandedge and Spurious Emissions	at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

TEST PROCEDURE

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

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

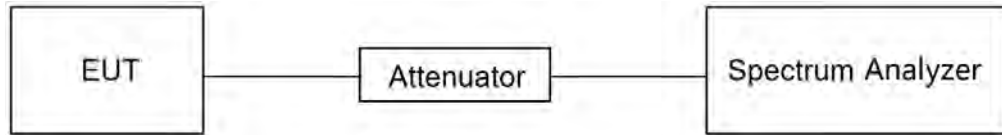
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	$1.5 \times \text{DTS bandwidth}$
Trace	Max hold
Sweep time	Auto couple.

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

Change the settings for emission level measurement:

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

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

TEST SETUP**TEST ENVIRONMENT**

Temperature	25.1℃	Relative Humidity	65%
Atmosphere Pressure	101kPa	Test Voltage	DC 24V

TEST DATE / ENGINEER

Test Date	July 2, 2025	Test By	Bairong Liu
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TEST RESULTS

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

7.5. DUTY CYCLE

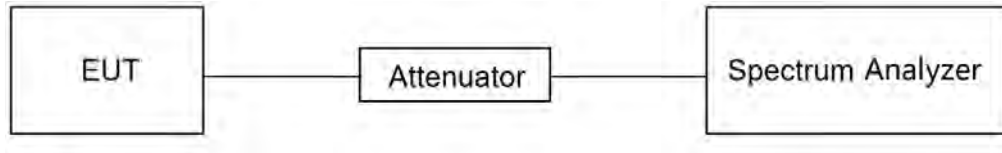
LIMITS

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	25.1℃	Relative Humidity	65%
Atmosphere Pressure	101kPa	Test Voltage	DC 24V

TEST DATE / ENGINEER

Test Date	July 2, 2025	Test By	Bairong Liu
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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 ($\mu\text{V/m}$) at 3 m	Field Strength Limit (dB $\mu\text{V/m}$) 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
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

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

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

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

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.
8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

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

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

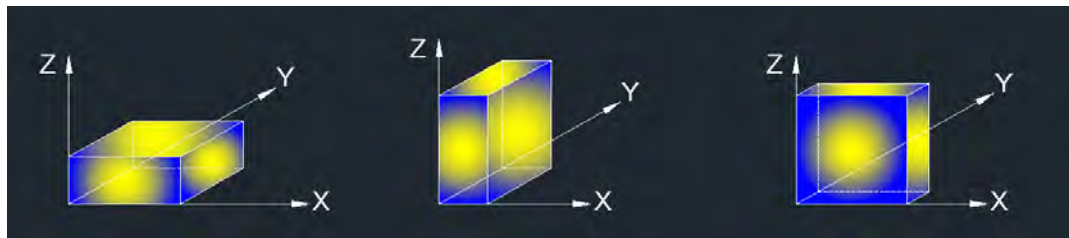
Above 1 GHz

The setting of the spectrum analyzer

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

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.5. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

For Restricted Bandedge:

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. PK=Peak: Peak detector.
4. AV=Average: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All modes have been tested, but only the worst data was recorded in the report.
5. $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}[120\pi] = \text{dBuV/m} - 51.5$

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

Note:

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

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

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

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

Note:

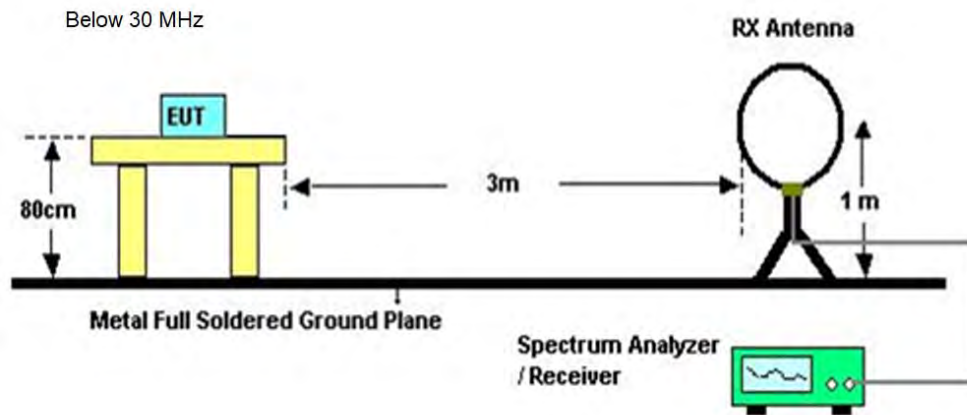
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

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

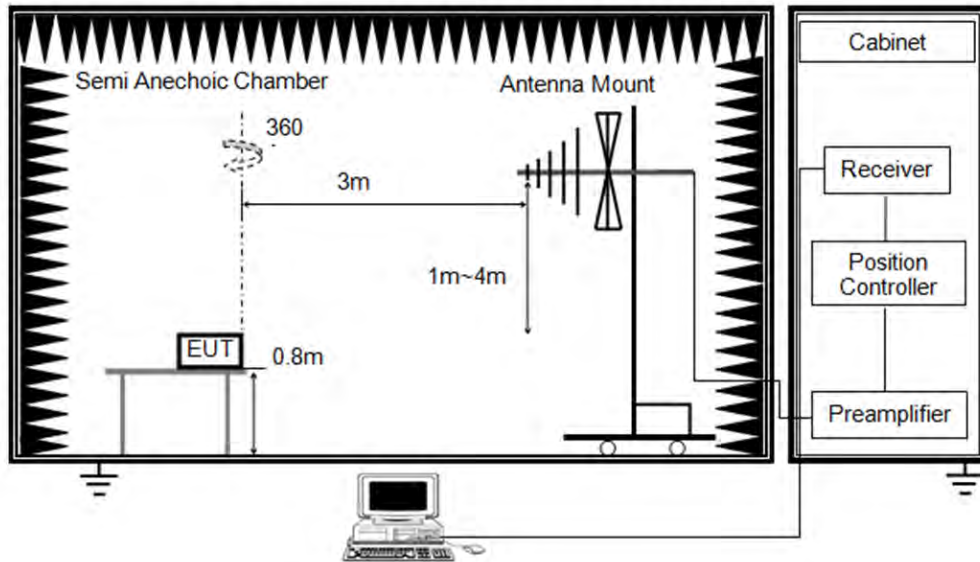
Note:

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

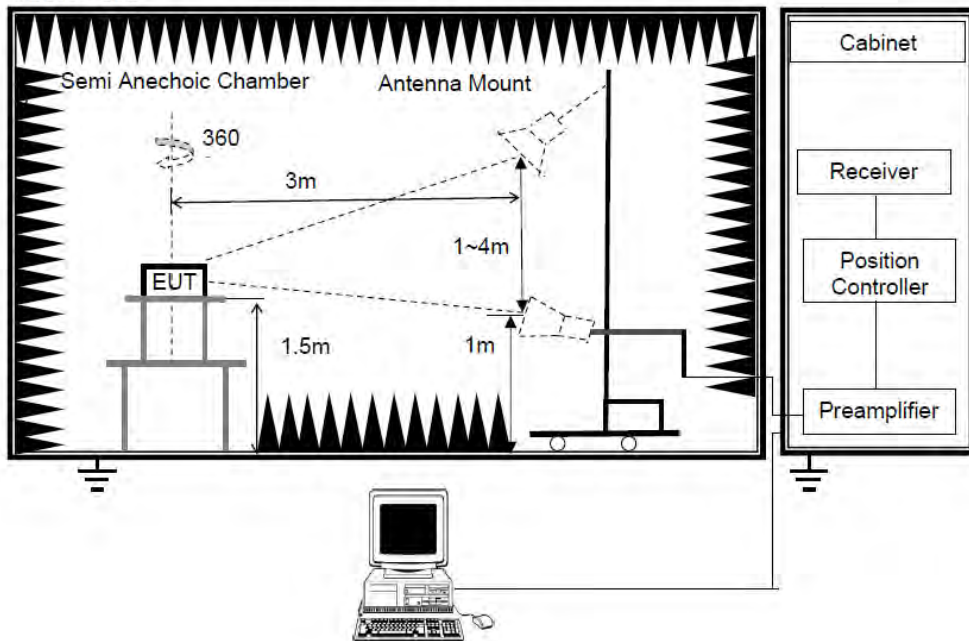
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	22.6℃	Relative Humidity	60.4%
Atmosphere Pressure	101kPa	Test Voltage	

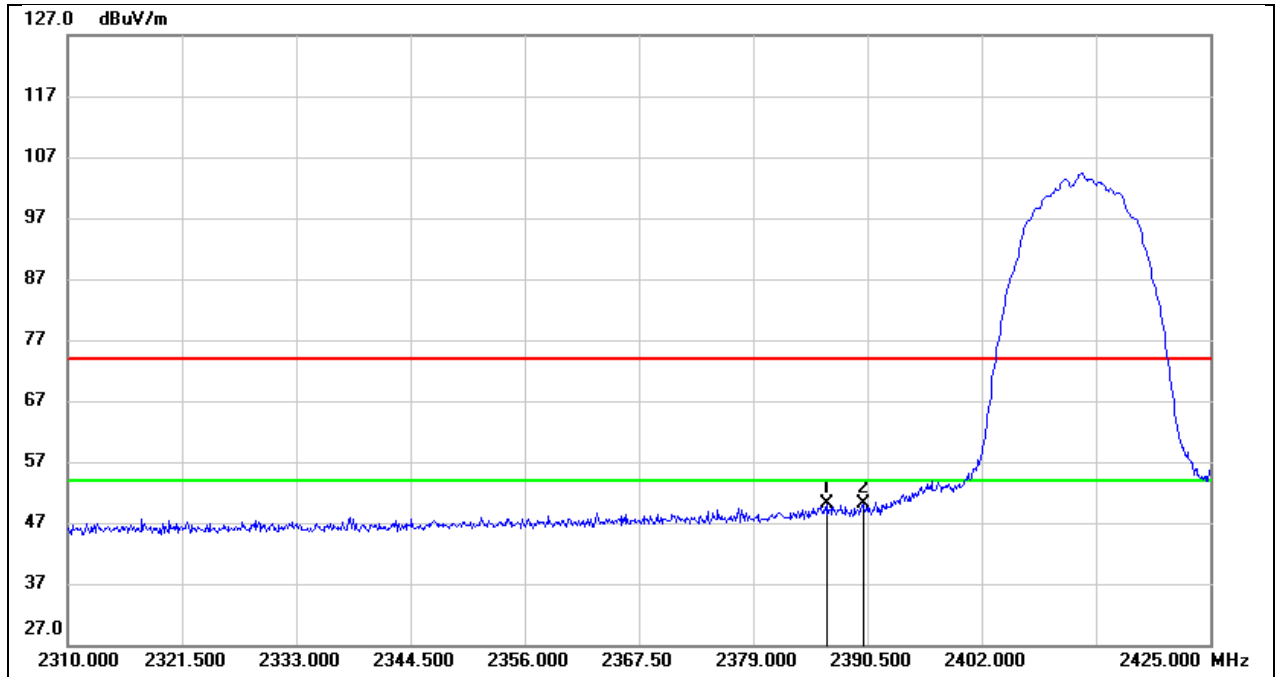
TEST DATE / ENGINEER

Test Date	July 11, 2025	Test By	Mason Wang
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TEST RESULTS FOR FPV BOARD

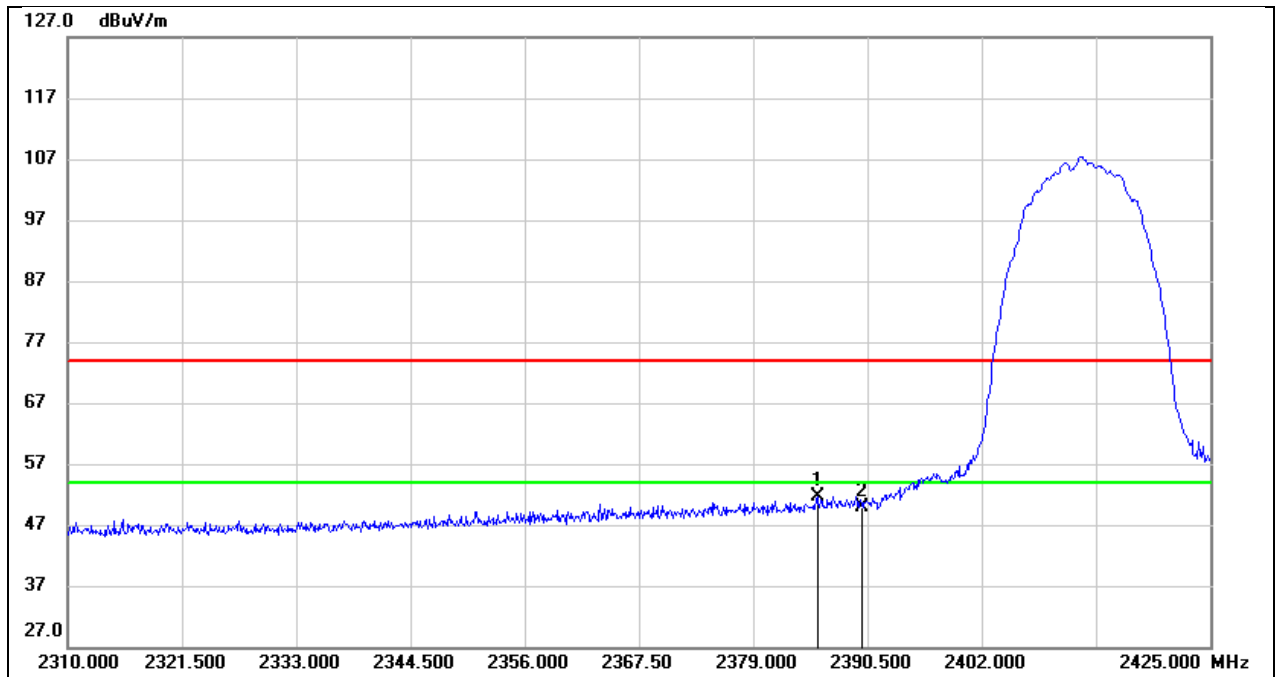
8.1. RESTRICTED BANDEDGE

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



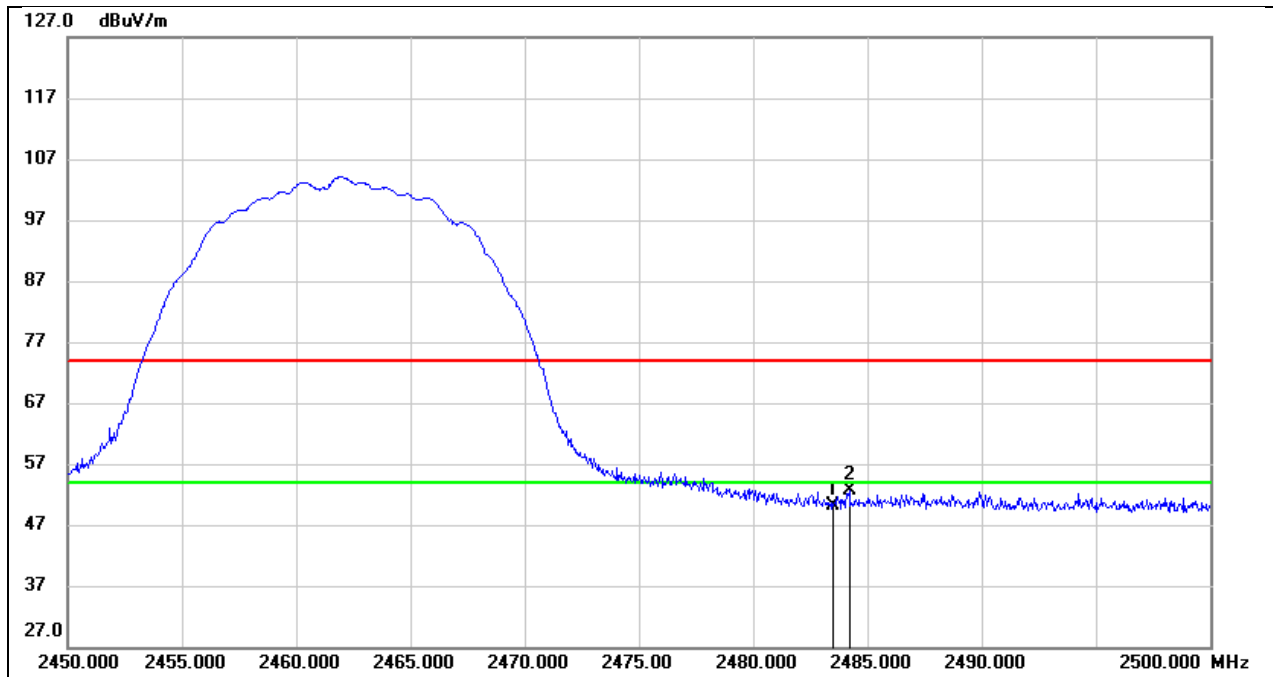
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.475	18.37	31.67	50.04	74.00	-23.96	peak
2	2390.000	18.37	31.69	50.06	74.00	-23.94	peak

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



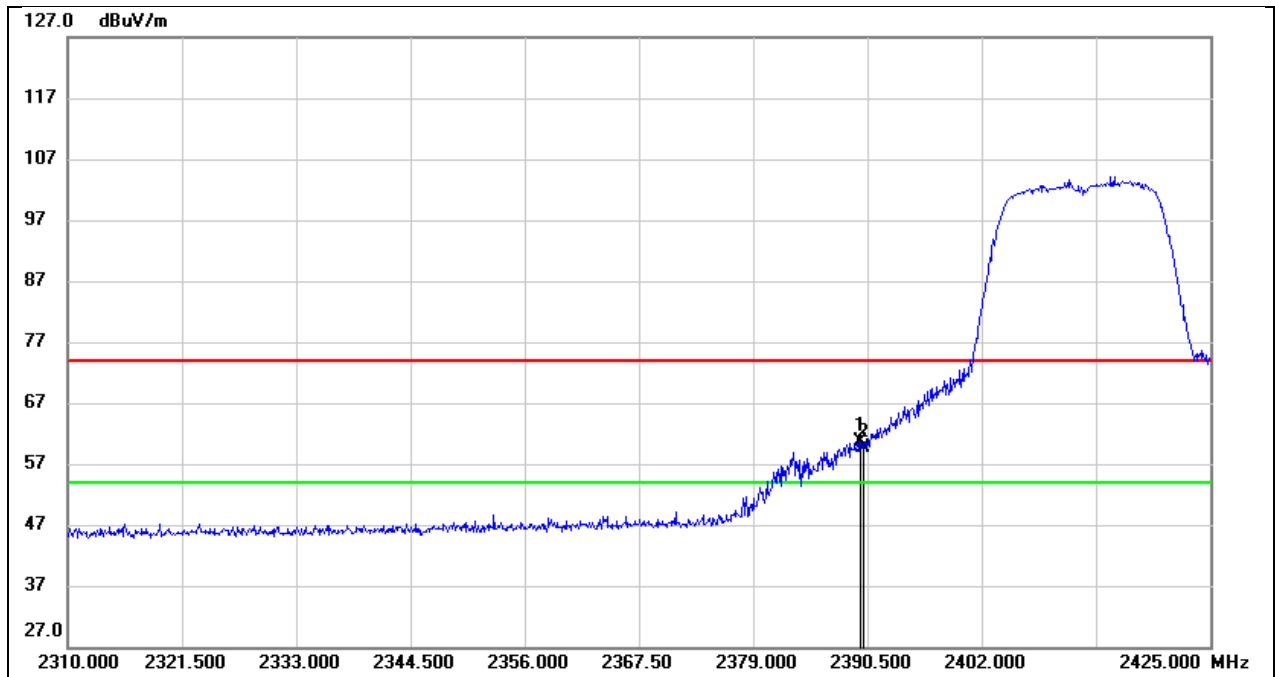
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.440	19.91	31.66	51.57	74.00	-22.43	peak
2	2390.000	18.27	31.69	49.96	74.00	-24.04	peak

Test Mode:	802.11b PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



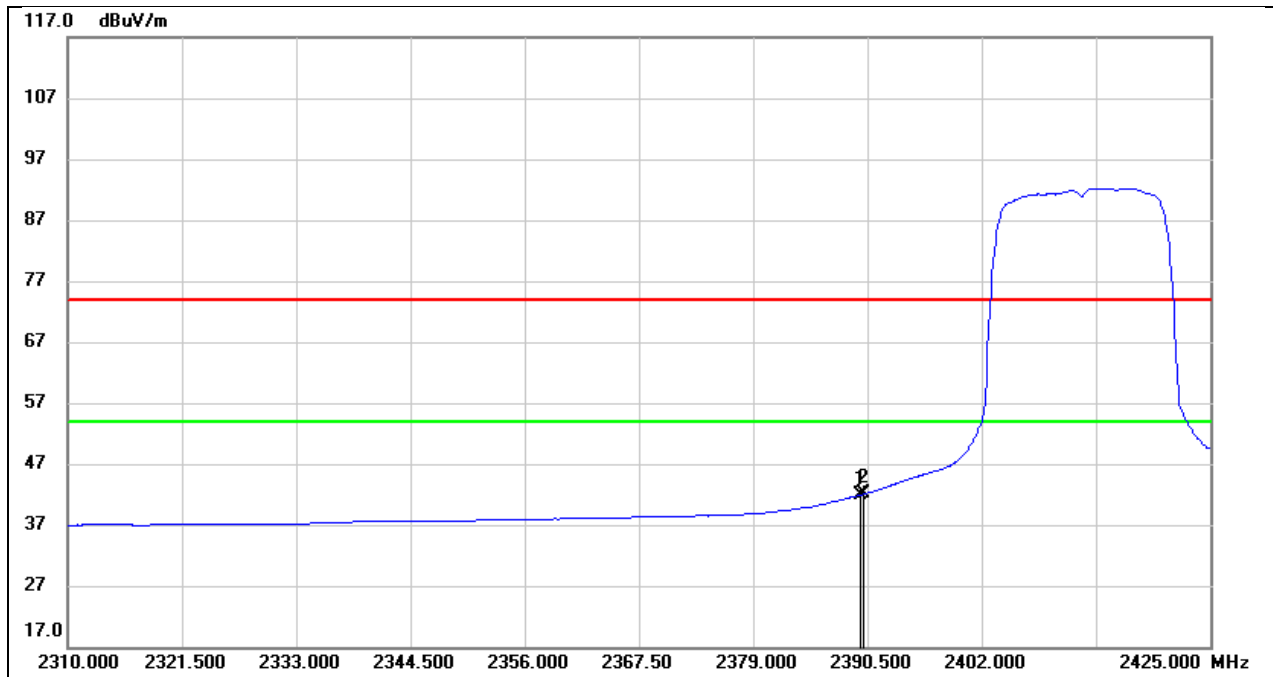
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	18.19	31.99	50.18	74.00	-23.82	peak
2	2484.200	20.55	31.99	52.54	74.00	-21.46	peak

Test Mode:	802.11g PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



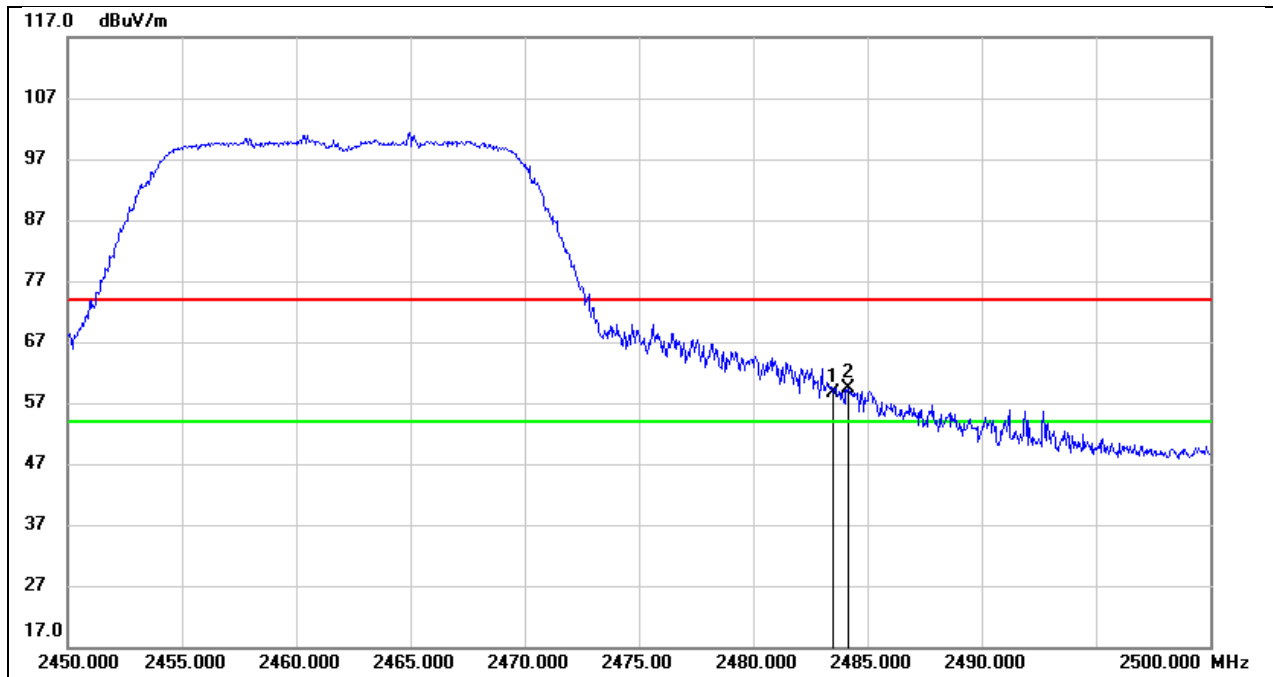
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.810	28.87	31.69	60.56	74.00	-13.44	peak
2	2390.000	27.92	31.69	59.61	74.00	-14.39	peak

Test Mode:	802.11g AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



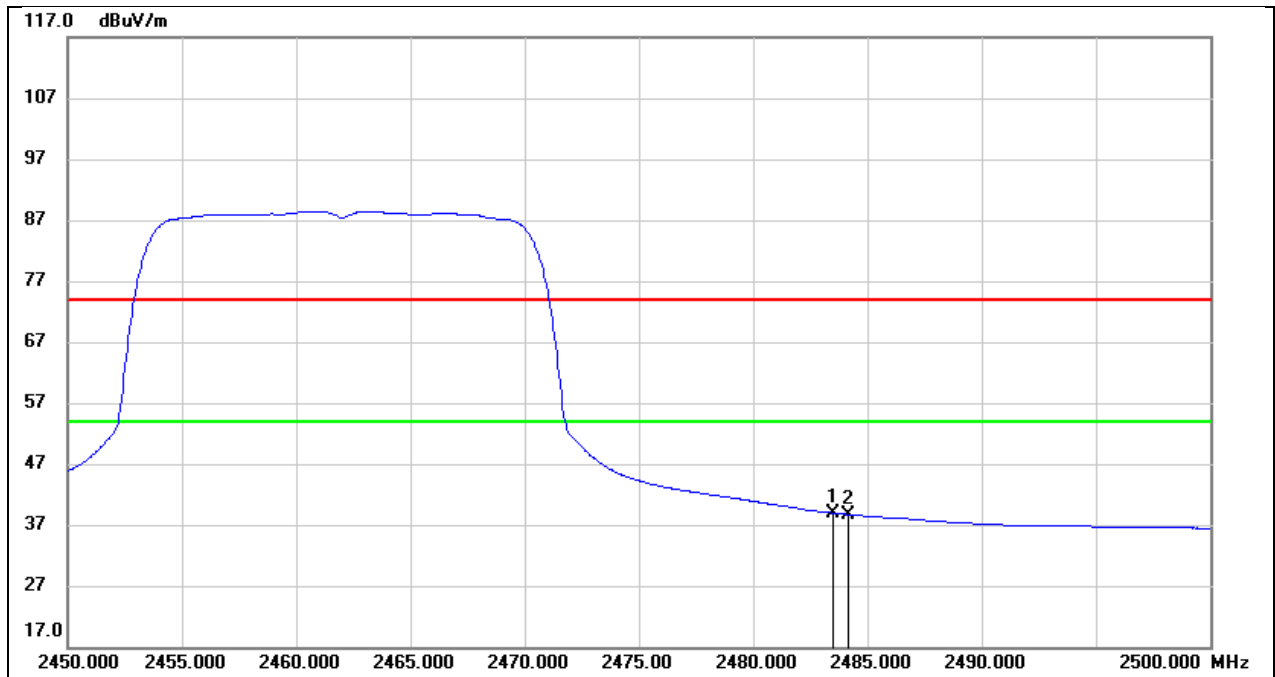
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.810	10.23	31.69	41.92	54.00	-12.08	AVG
2	2390.000	10.36	31.69	42.05	54.00	-11.95	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



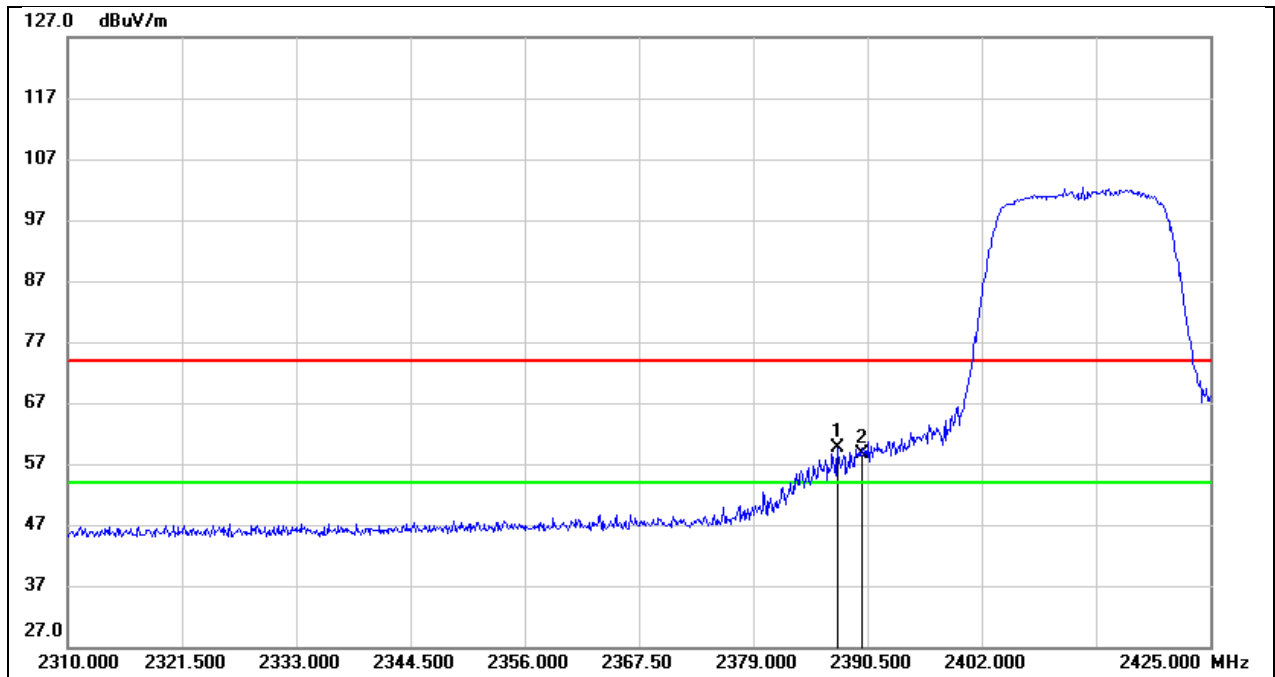
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	26.62	31.99	58.61	74.00	-15.39	peak
2	2484.150	27.47	31.99	59.46	74.00	-14.54	peak

Test Mode:	802.11g AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



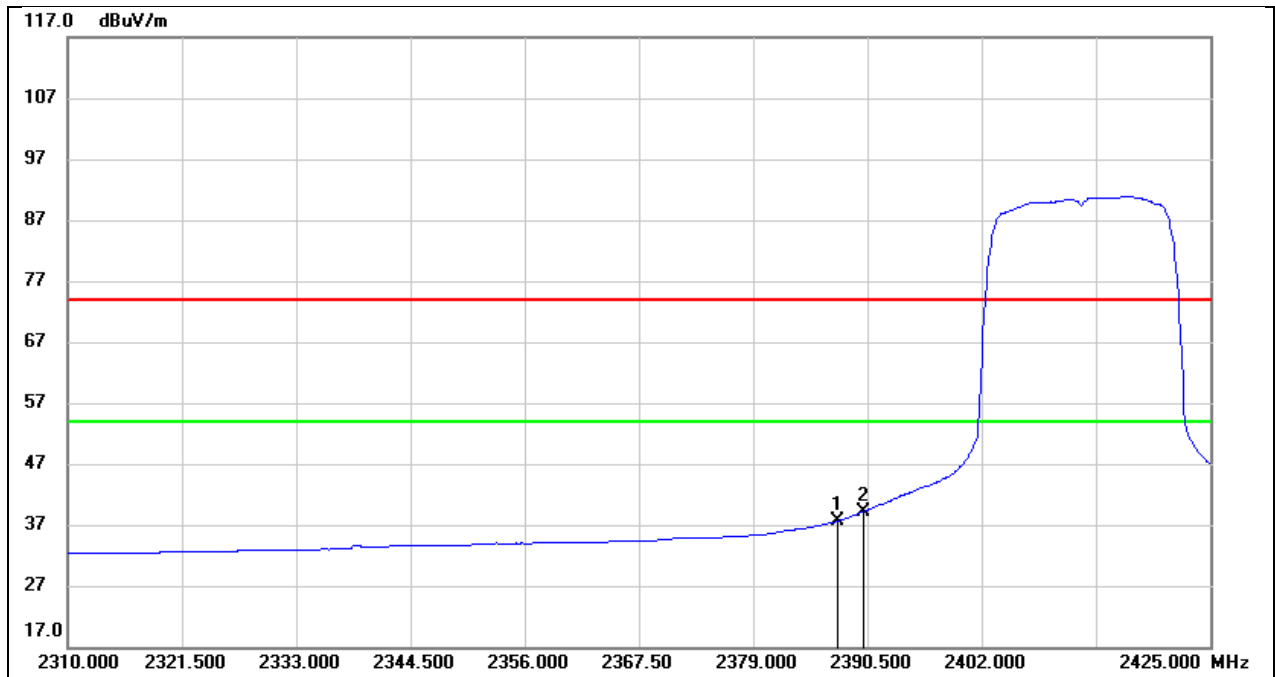
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	6.99	31.99	38.98	54.00	-15.02	AVG
2	2484.150	6.73	31.99	38.72	54.00	-15.28	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



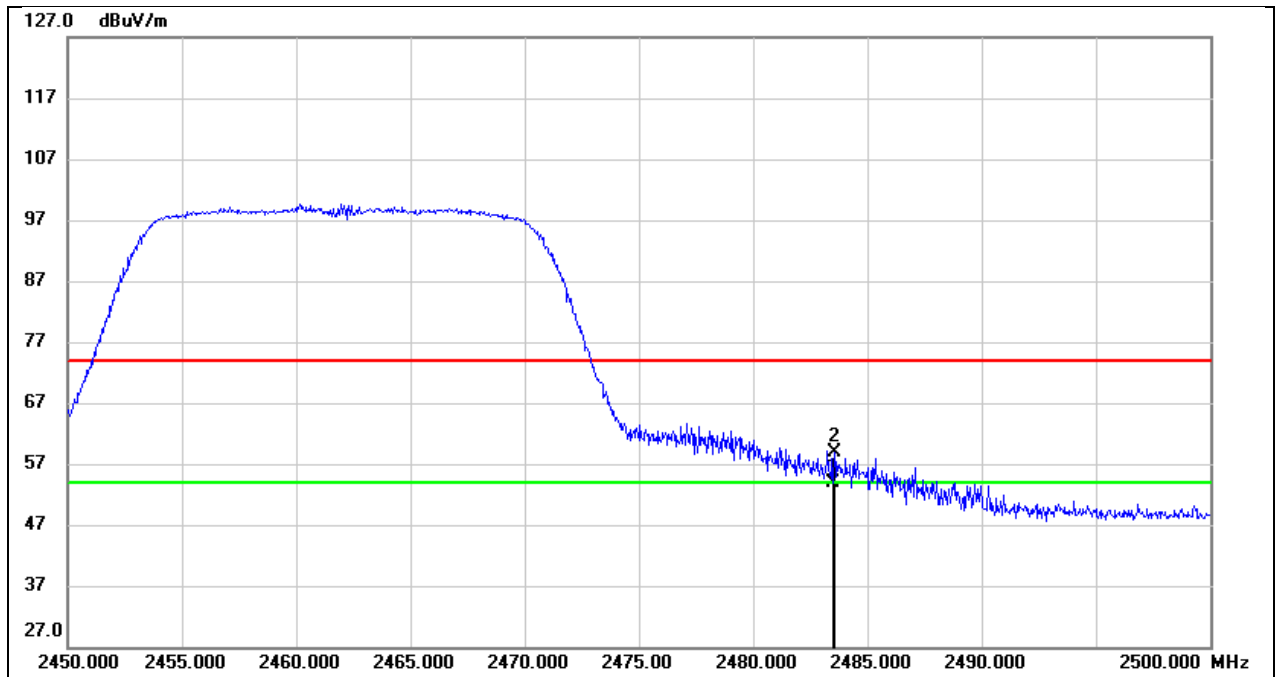
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.510	27.91	31.68	59.59	74.00	-14.41	peak
2	2390.000	26.87	31.69	58.56	74.00	-15.44	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



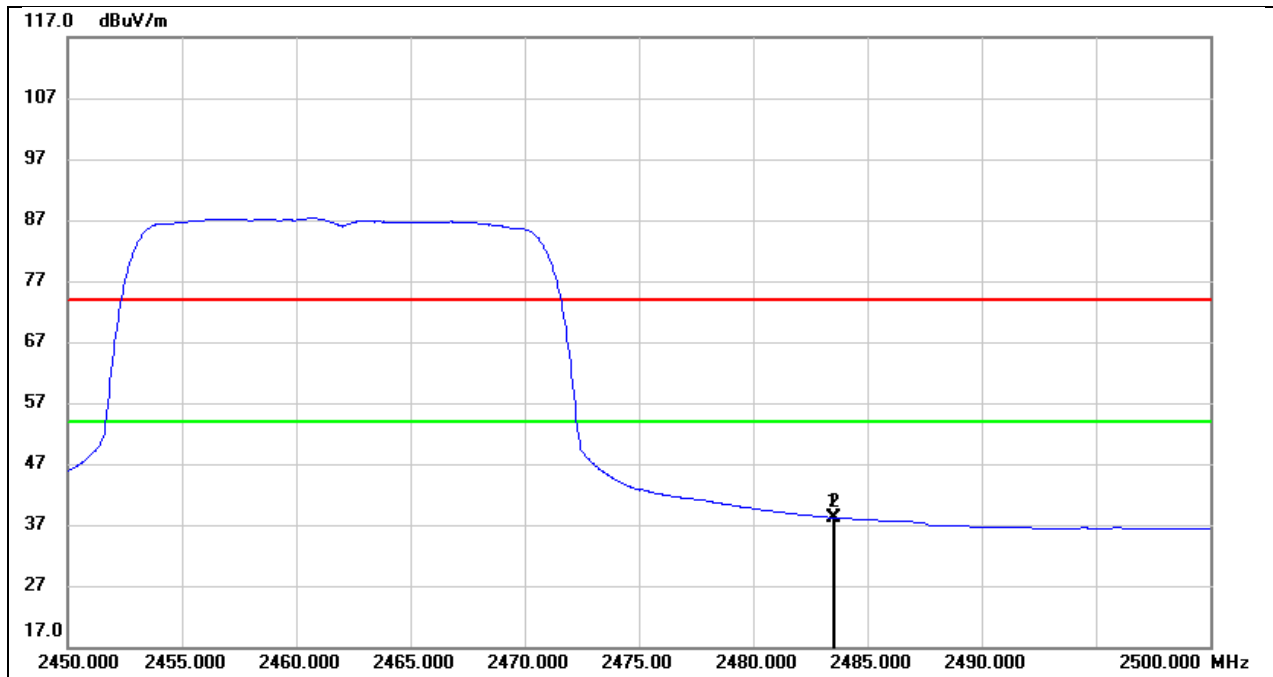
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.510	5.99	31.68	37.67	54.00	-16.33	AVG
2	2390.000	7.47	31.69	39.16	54.00	-14.84	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



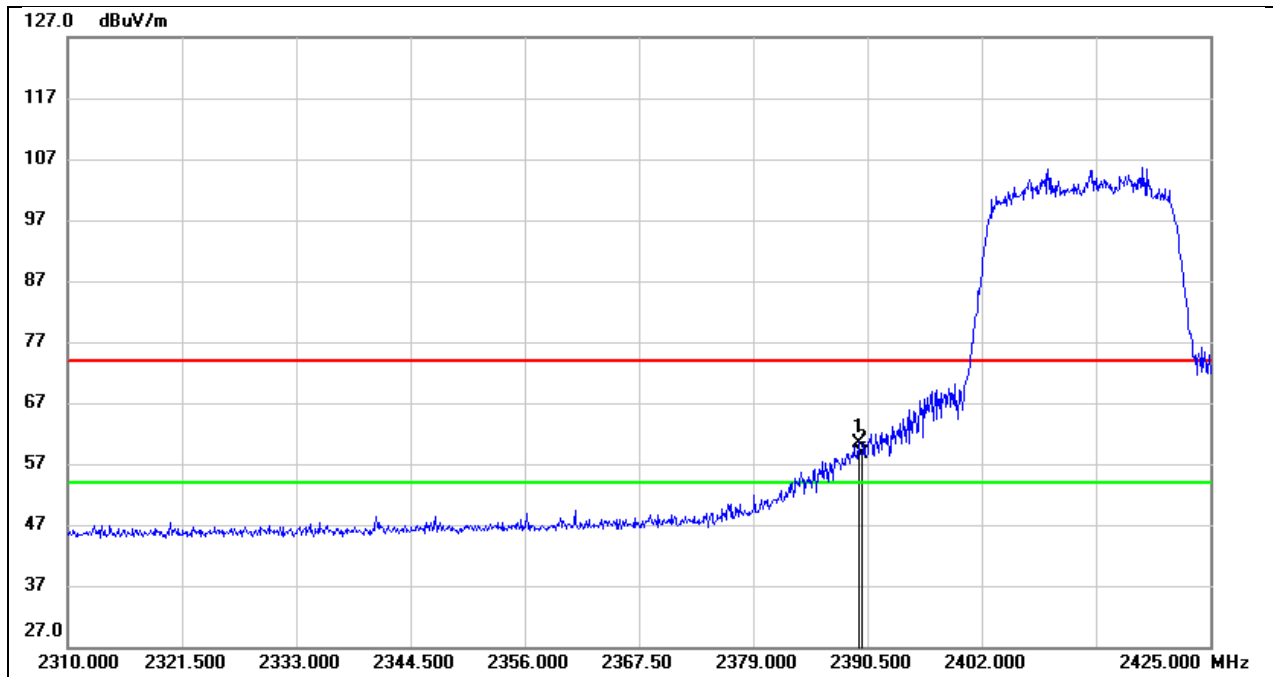
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	22.01	31.99	54.00	74.00	-20.00	peak
2	2483.550	26.86	31.99	58.85	74.00	-15.15	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



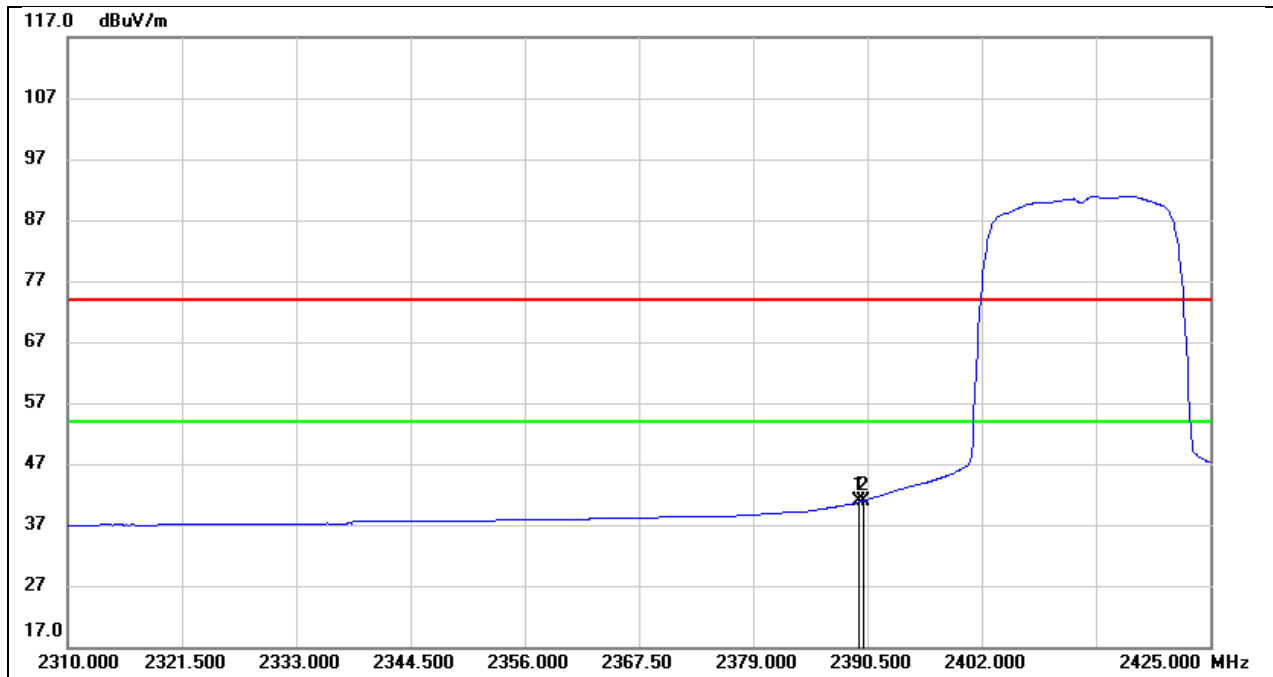
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	6.20	31.99	38.19	54.00	-15.81	AVG
2	2483.550	6.20	31.99	38.19	54.00	-15.81	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



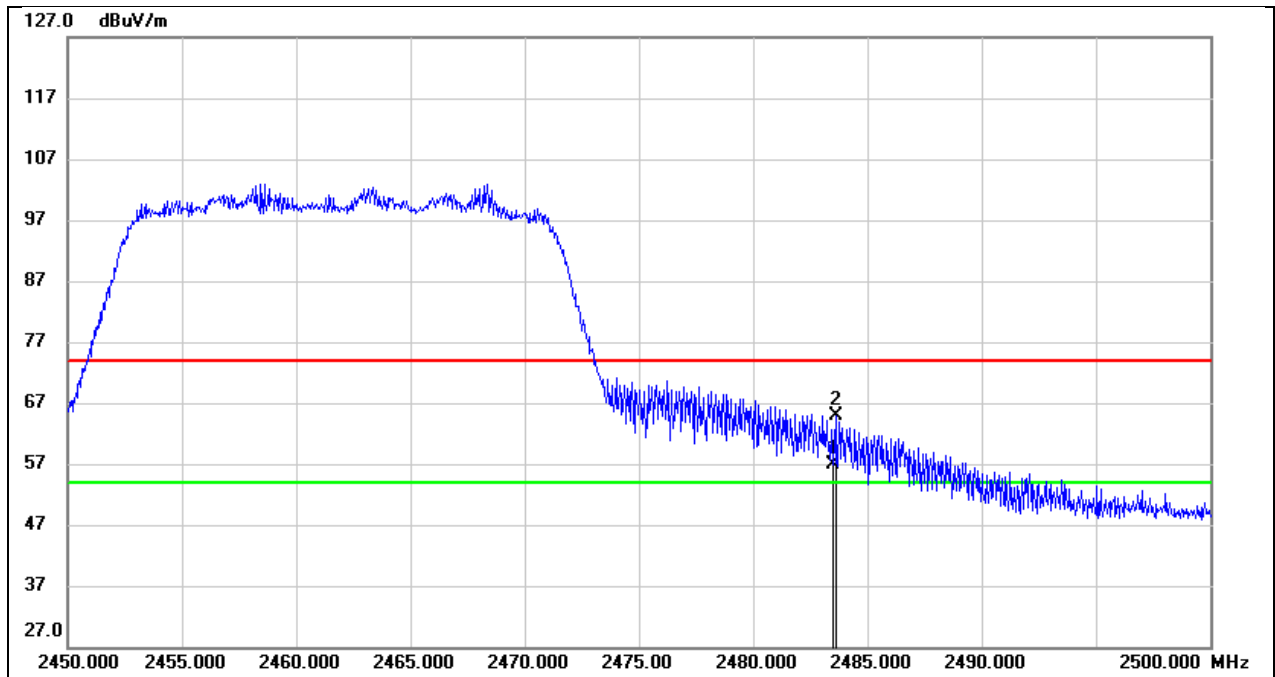
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.580	28.82	31.68	60.50	74.00	-13.50	peak
2	2390.000	26.88	31.69	58.57	74.00	-15.43	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



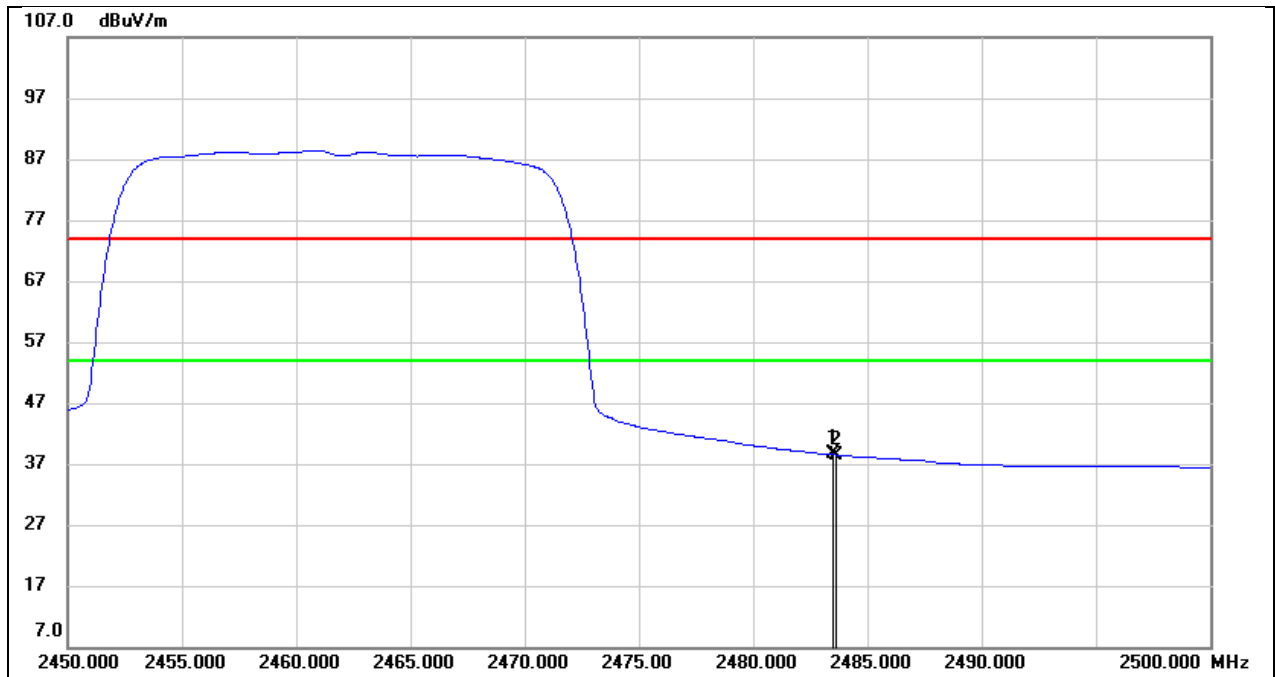
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.580	9.13	31.68	40.81	54.00	-13.19	AVG
2	2390.000	9.30	31.69	40.99	54.00	-13.01	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	24.93	31.99	56.92	74.00	-17.08	peak
2	2483.600	32.82	31.99	64.81	74.00	-9.19	peak

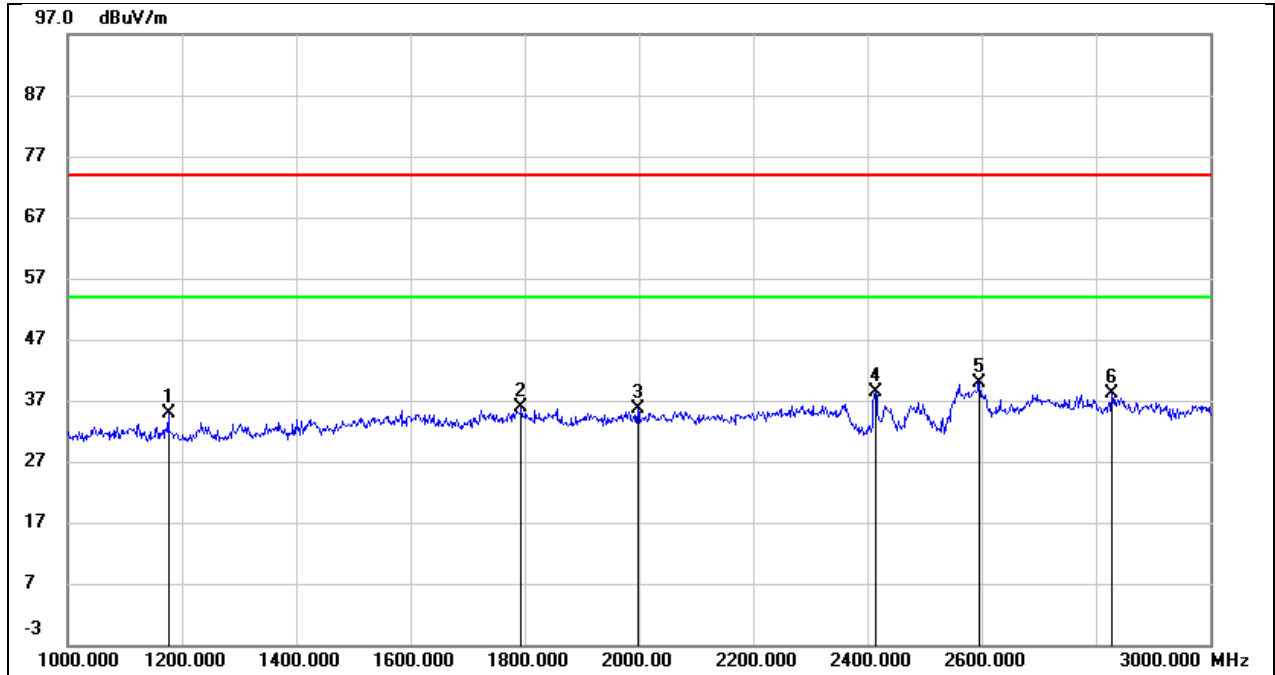
Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	6.55	31.99	38.54	54.00	-15.46	AVG
2	2483.600	6.49	31.99	38.48	54.00	-15.52	AVG

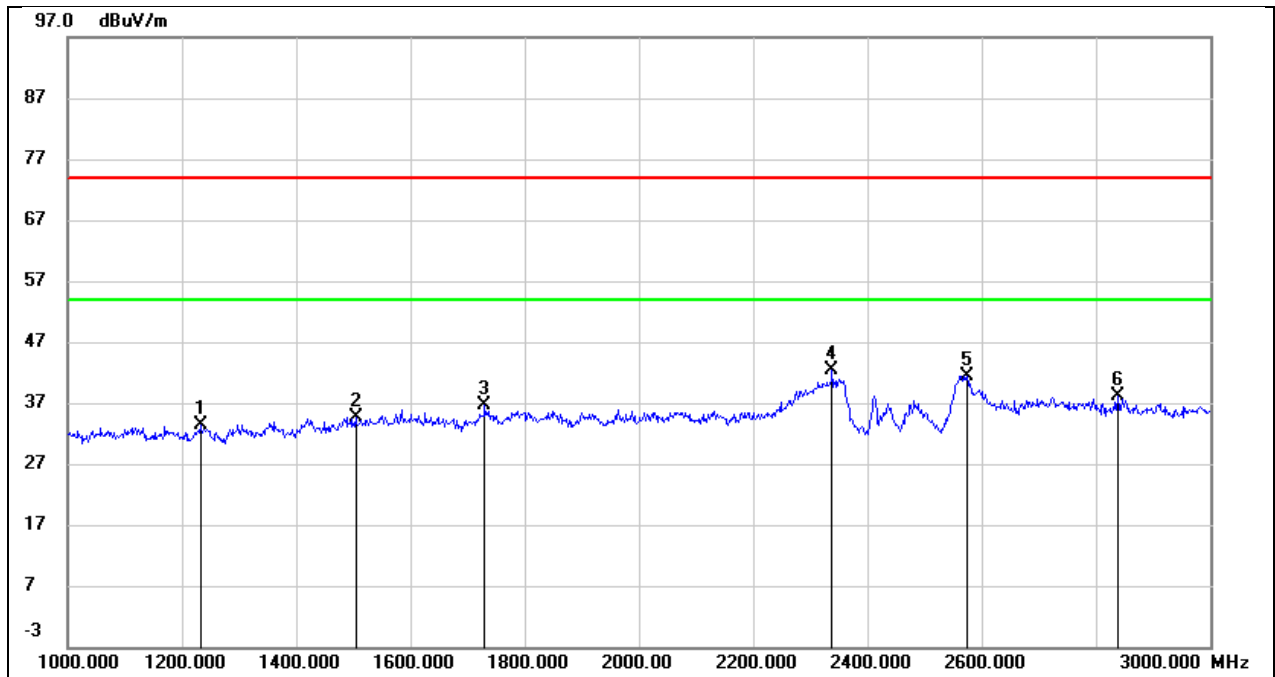
8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



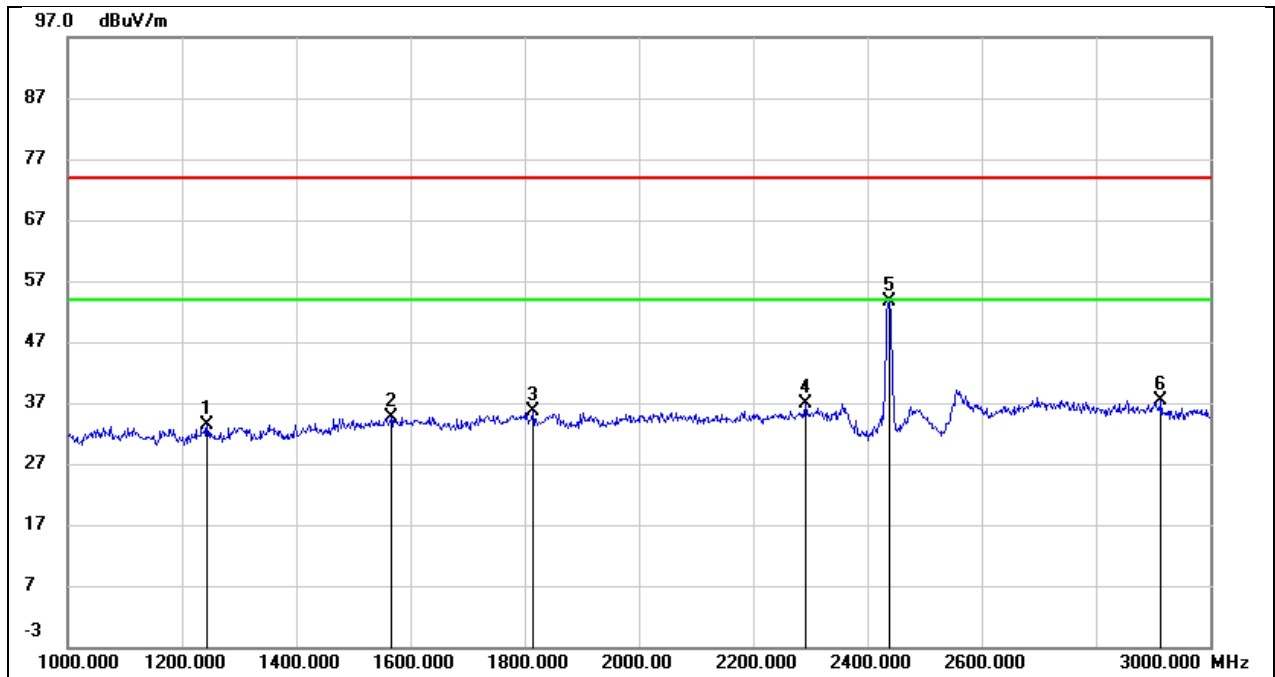
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1176.000	48.37	-13.52	34.85	74.00	-39.15	peak
2	1794.000	45.97	-10.12	35.85	74.00	-38.15	peak
3	1998.000	45.82	-10.29	35.53	74.00	-38.47	peak
4	2412.000	47.01	-8.57	38.44	/	/	Fundamental
5	2596.000	47.70	-7.82	39.88	74.00	-34.12	peak
6	2828.000	45.07	-6.92	38.15	74.00	-35.85	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



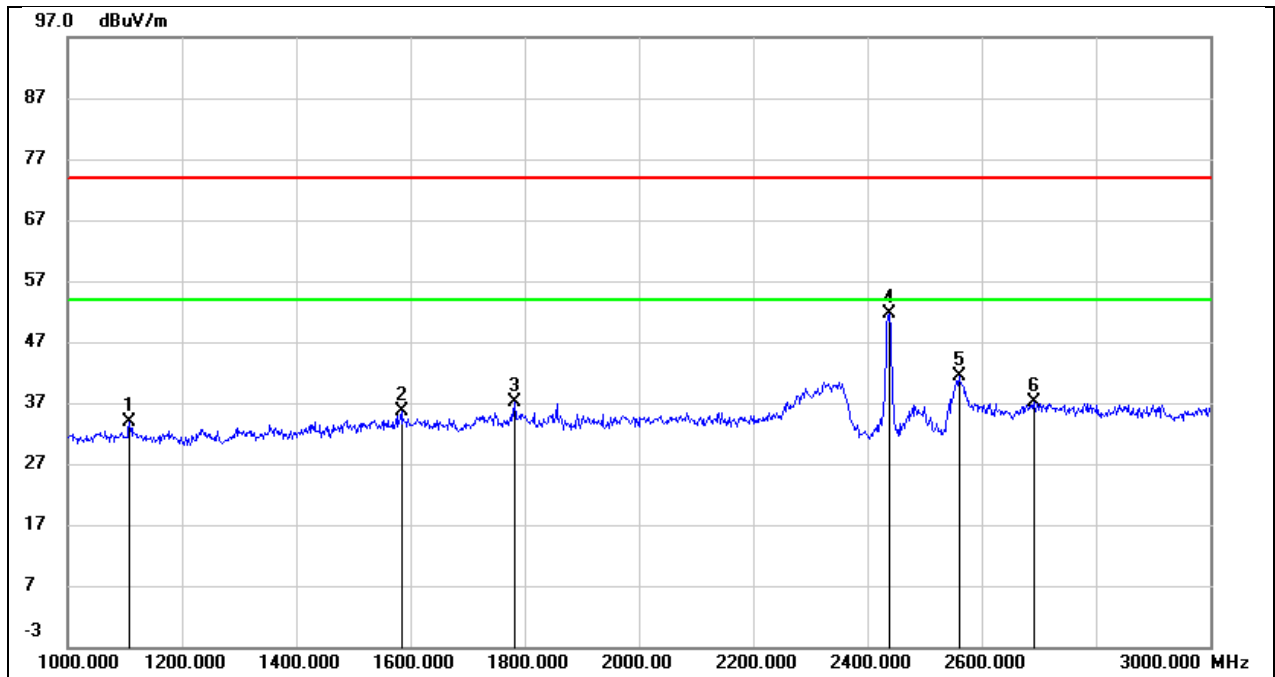
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1232.000	46.58	-13.25	33.33	74.00	-40.67	peak
2	1504.000	46.57	-11.86	34.71	74.00	-39.29	peak
3	1730.000	47.06	-10.55	36.51	74.00	-37.49	peak
4	2338.000	51.34	-8.89	42.45	74.00	-31.55	peak
5	2574.000	49.26	-7.91	41.35	74.00	-32.65	peak
6	2838.000	44.94	-6.89	38.05	74.00	-35.95	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



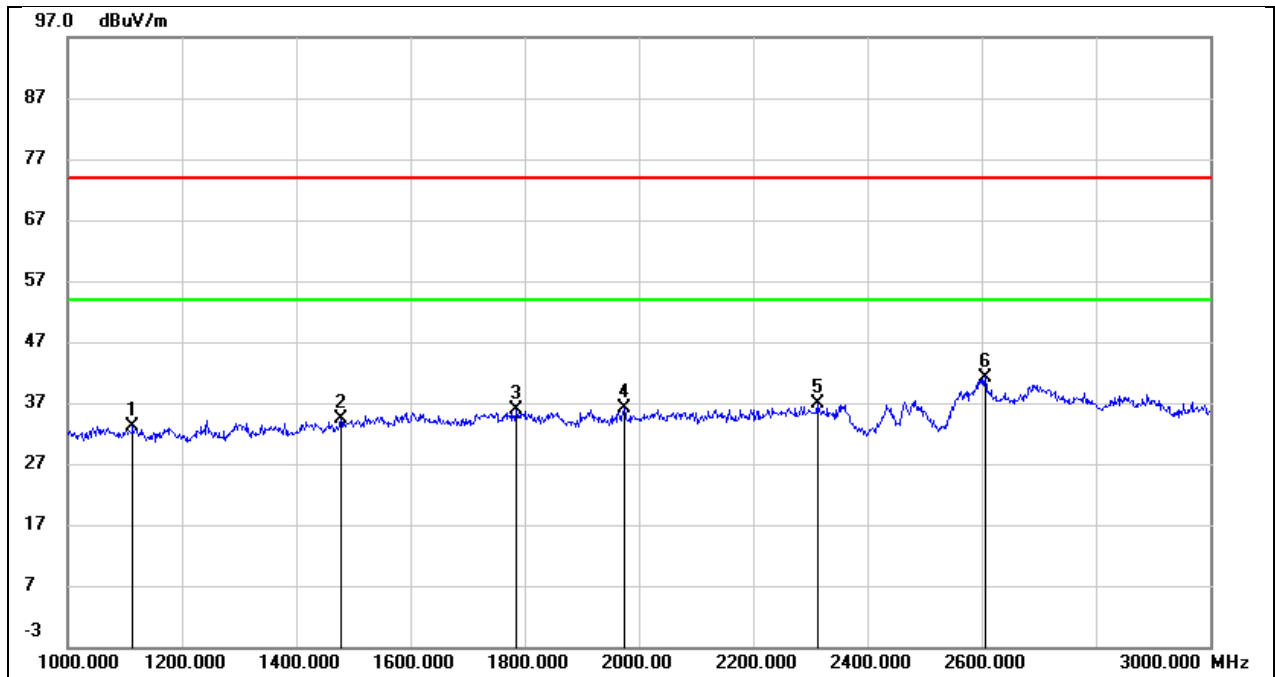
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1244.000	46.64	-13.20	33.44	74.00	-40.56	peak
2	1566.000	46.30	-11.58	34.72	74.00	-39.28	peak
3	1814.000	45.71	-10.09	35.62	74.00	-38.38	peak
4	2292.000	45.84	-9.07	36.77	74.00	-37.23	peak
5	2437.000	62.02	-8.47	53.55	/	/	Fundamental
6	2914.000	44.00	-6.57	37.43	74.00	-36.57	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



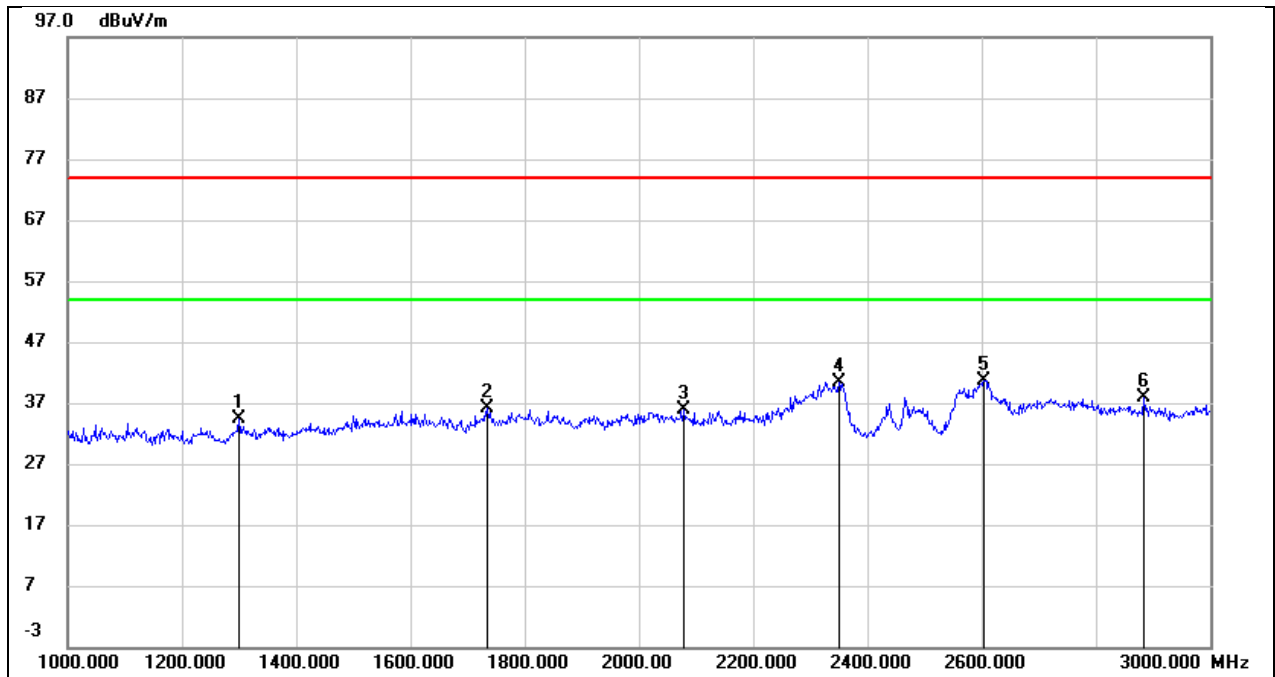
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1108.000	47.72	-13.84	33.88	74.00	-40.12	peak
2	1584.000	47.05	-11.49	35.56	74.00	-38.44	peak
3	1782.000	47.38	-10.19	37.19	74.00	-36.81	peak
4	2437.000	60.02	-8.47	51.55	/	/	Fundamental
5	2560.000	49.34	-7.96	41.38	74.00	-32.62	peak
6	2692.000	44.54	-7.45	37.09	74.00	-36.91	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1114.000	47.05	-13.81	33.24	74.00	-40.76	peak
2	1478.000	46.28	-12.00	34.28	74.00	-39.72	peak
3	1786.000	45.98	-10.18	35.80	74.00	-38.20	peak
4	1974.000	46.31	-10.28	36.03	74.00	-37.97	peak
5	2312.000	45.95	-8.99	36.96	74.00	-37.04	peak
6	2606.000	49.03	-7.78	41.25	74.00	-32.75	peak

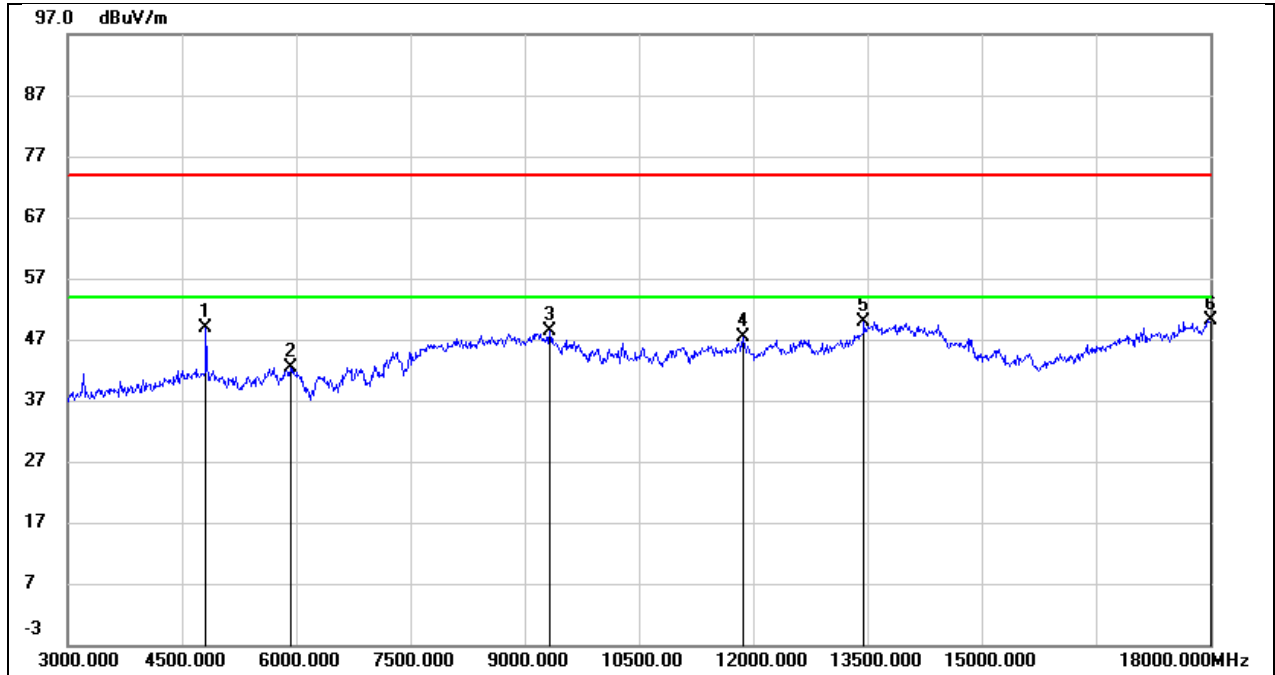
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1300.000	47.25	-12.92	34.33	74.00	-39.67	peak
2	1734.000	46.71	-10.52	36.19	74.00	-37.81	peak
3	2078.000	45.74	-9.97	35.77	74.00	-38.23	peak
4	2350.000	49.26	-8.84	40.42	74.00	-33.58	peak
5	2604.000	48.51	-7.79	40.72	74.00	-33.28	peak
6	2884.000	44.47	-6.70	37.77	74.00	-36.23	peak

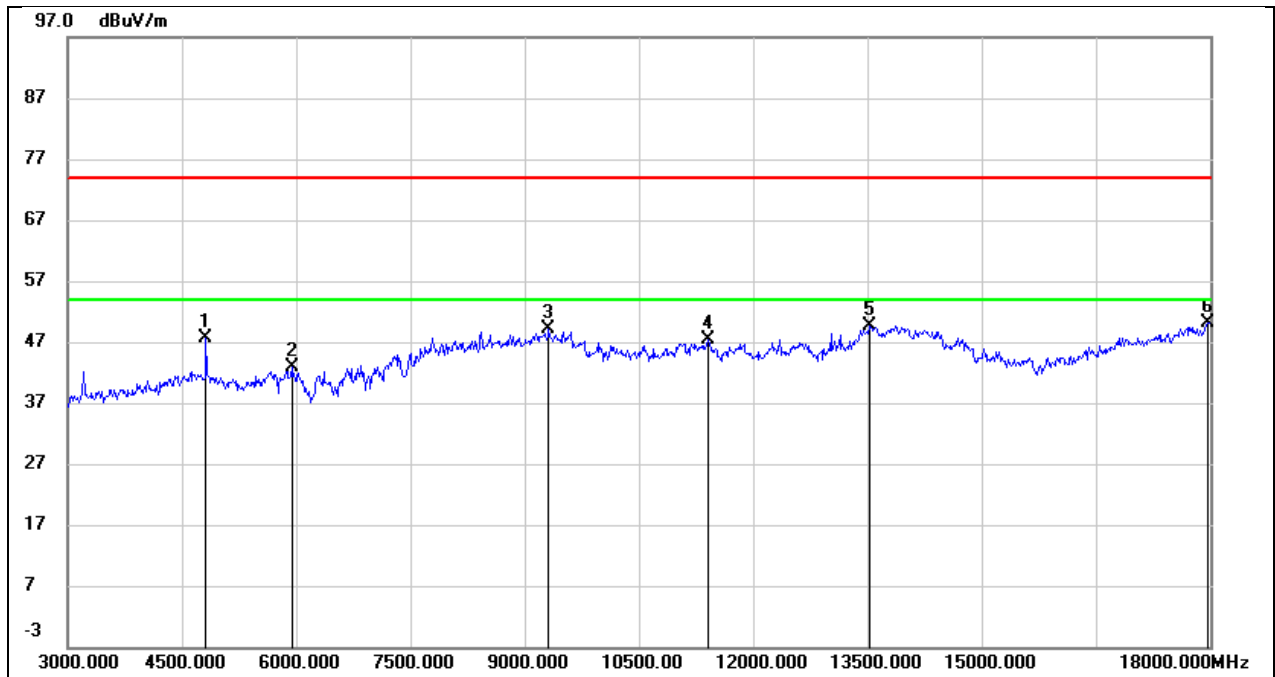
8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



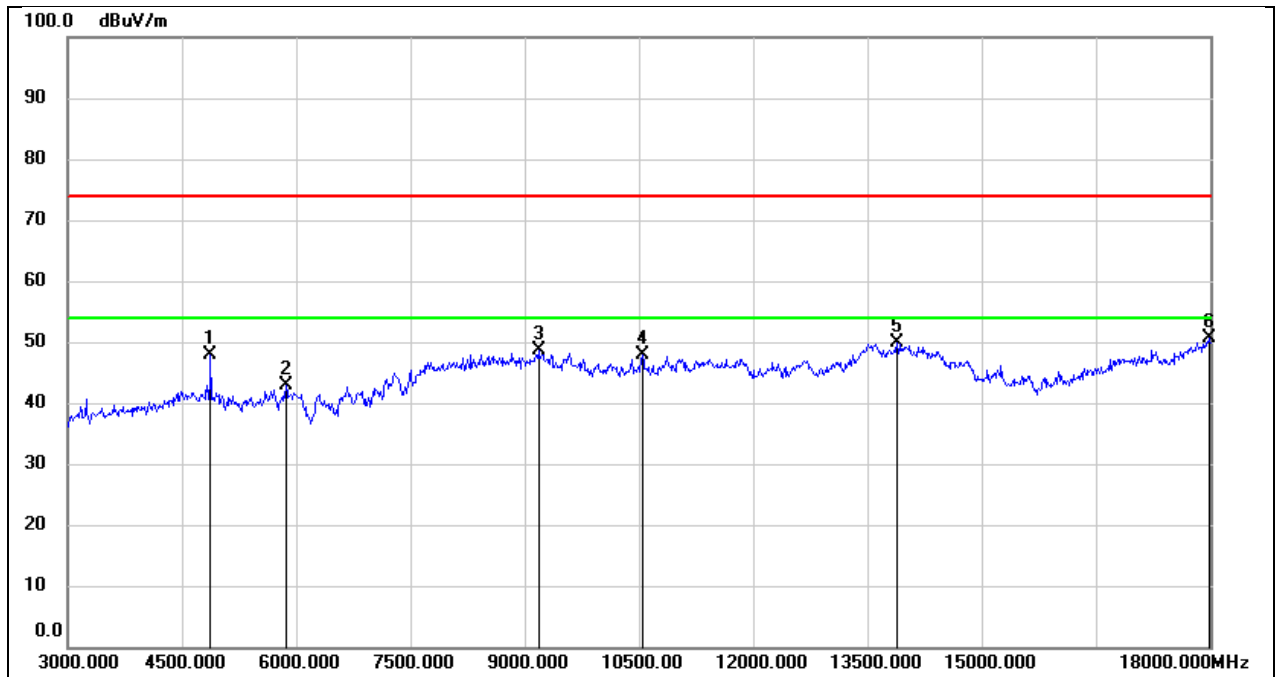
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	48.21	0.60	48.81	74.00	-25.19	peak
2	5925.000	39.56	2.80	42.36	74.00	-31.64	peak
3	9330.000	36.78	11.48	48.26	74.00	-25.74	peak
4	11865.000	28.75	18.57	47.32	74.00	-26.68	peak
5	13455.000	27.14	22.67	49.81	74.00	-24.19	peak
6	18000.000	21.63	28.54	50.17	74.00	-23.83	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



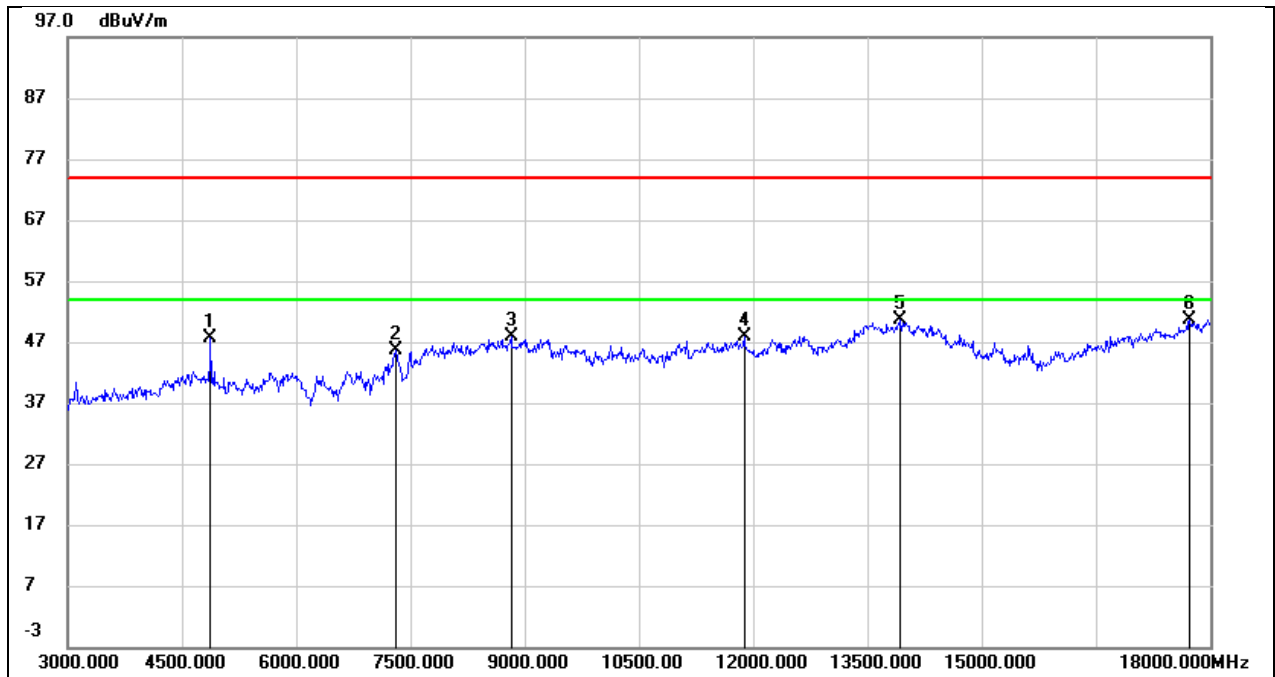
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	47.08	0.60	47.68	74.00	-26.32	peak
2	5940.000	40.09	2.83	42.92	74.00	-31.08	peak
3	9315.000	37.69	11.42	49.11	74.00	-24.89	peak
4	11400.000	29.93	17.44	47.37	74.00	-26.63	peak
5	13530.000	26.78	22.88	49.66	74.00	-24.34	peak
6	17970.000	21.96	28.27	50.23	74.00	-23.77	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



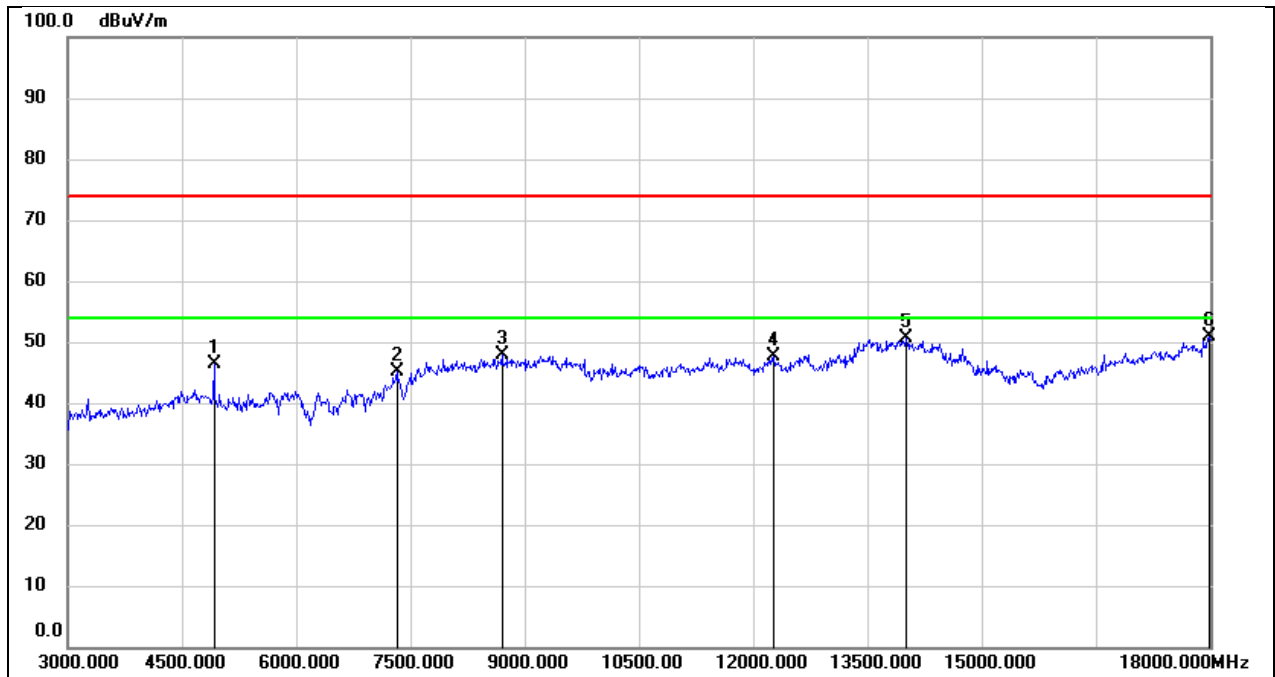
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	47.15	0.75	47.90	74.00	-26.10	peak
2	5865.000	40.22	2.69	42.91	74.00	-31.09	peak
3	9180.000	37.73	10.86	48.59	74.00	-25.41	peak
4	10545.000	33.48	14.35	47.83	74.00	-26.17	peak
5	13890.000	26.16	23.64	49.80	74.00	-24.20	peak
6	17985.000	22.19	28.41	50.60	74.00	-23.40	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



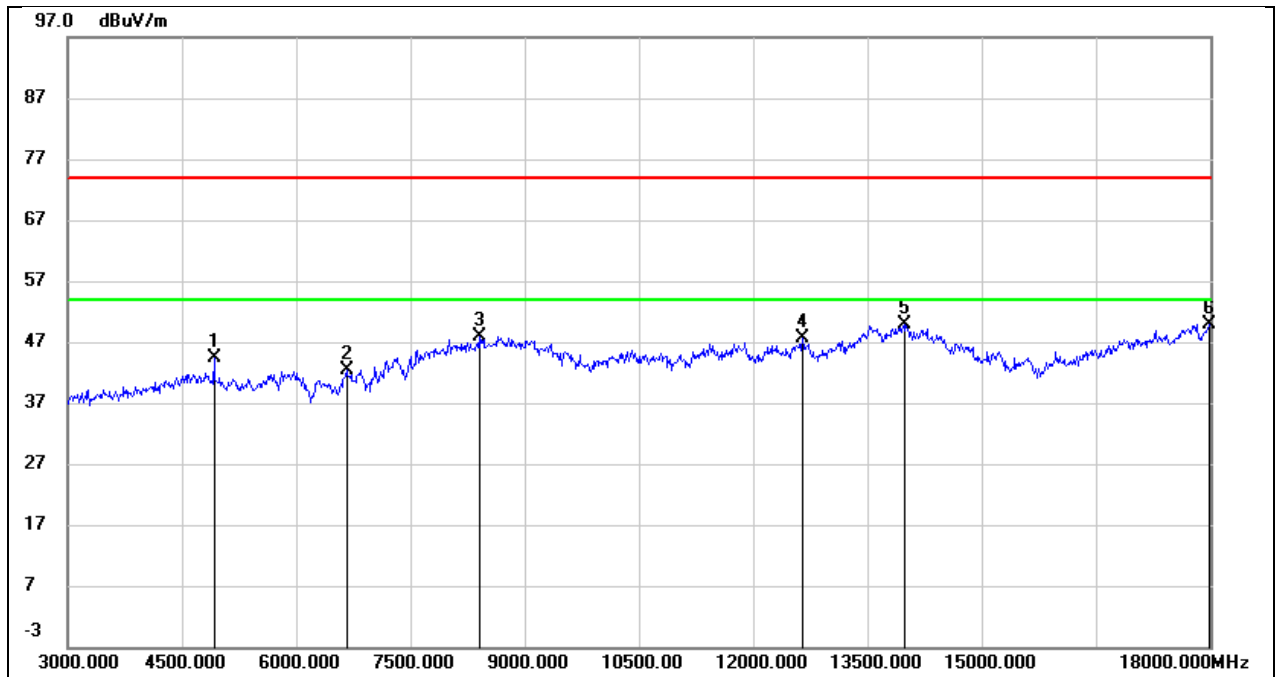
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	46.90	0.75	47.65	74.00	-26.35	peak
2	7305.000	38.85	6.88	45.73	74.00	-28.27	peak
3	8820.000	38.23	9.56	47.79	74.00	-26.21	peak
4	11880.000	29.21	18.59	47.80	74.00	-26.20	peak
5	13935.000	26.74	23.83	50.57	74.00	-23.43	peak
6	17730.000	24.30	26.37	50.67	74.00	-23.33	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



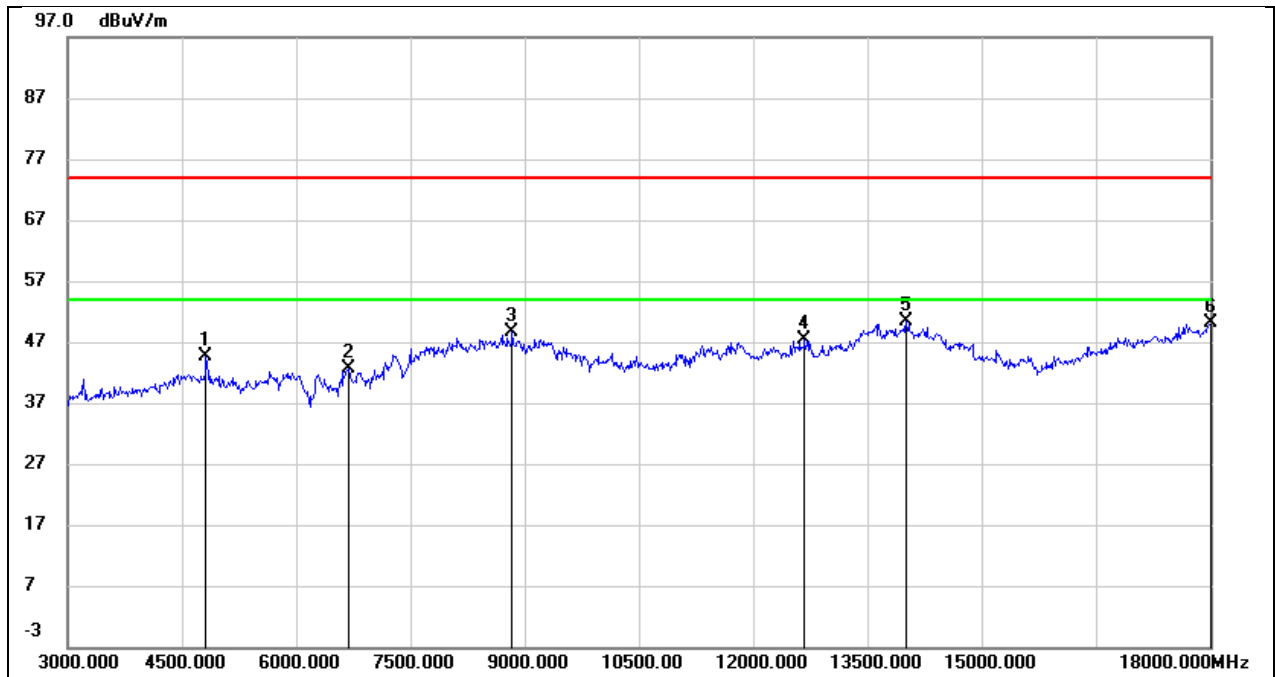
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	45.56	0.86	46.42	74.00	-27.58	peak
2	7320.000	38.36	6.89	45.25	74.00	-28.75	peak
3	8700.000	38.60	9.39	47.99	74.00	-26.01	peak
4	12270.000	28.39	19.28	47.67	74.00	-26.33	peak
5	14010.000	26.45	24.07	50.52	74.00	-23.48	peak
6	17985.000	22.53	28.41	50.94	74.00	-23.06	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



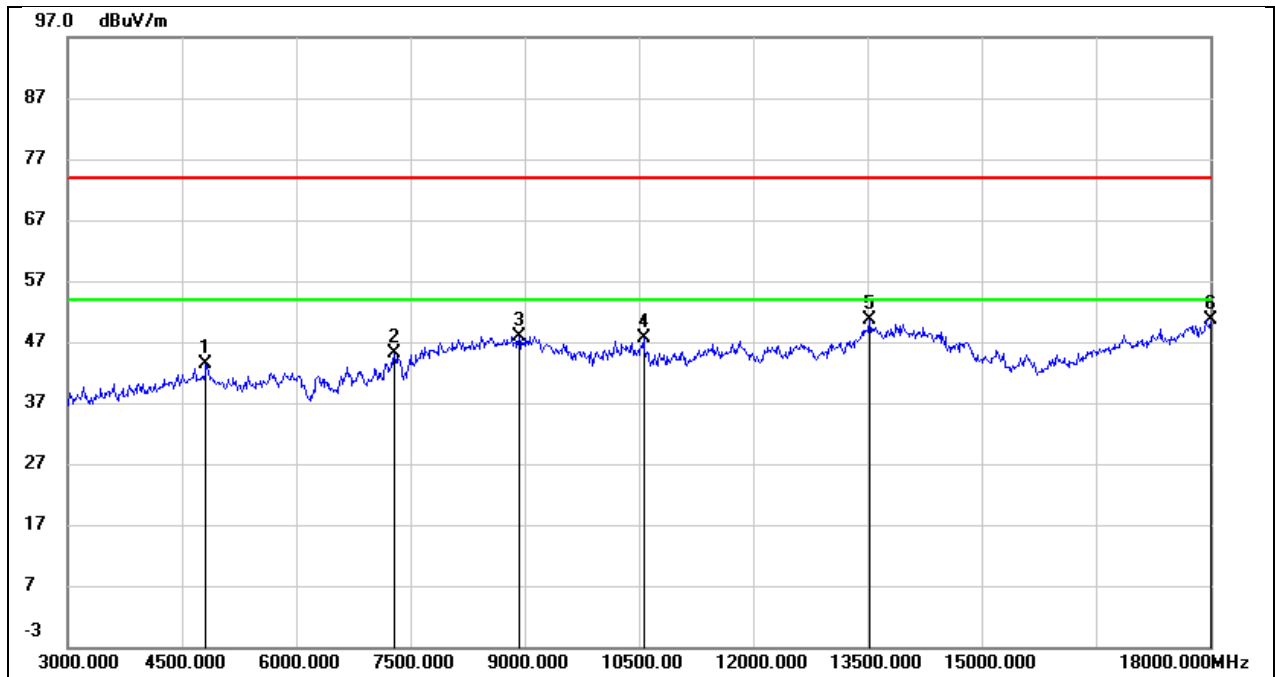
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	43.58	0.86	44.44	74.00	-29.56	peak
2	6660.000	36.95	5.34	42.29	74.00	-31.71	peak
3	8400.000	38.94	8.91	47.85	74.00	-26.15	peak
4	12645.000	27.97	19.78	47.75	74.00	-26.25	peak
5	13980.000	25.80	24.01	49.81	74.00	-24.19	peak
6	17985.000	21.49	28.41	49.90	74.00	-24.10	peak

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



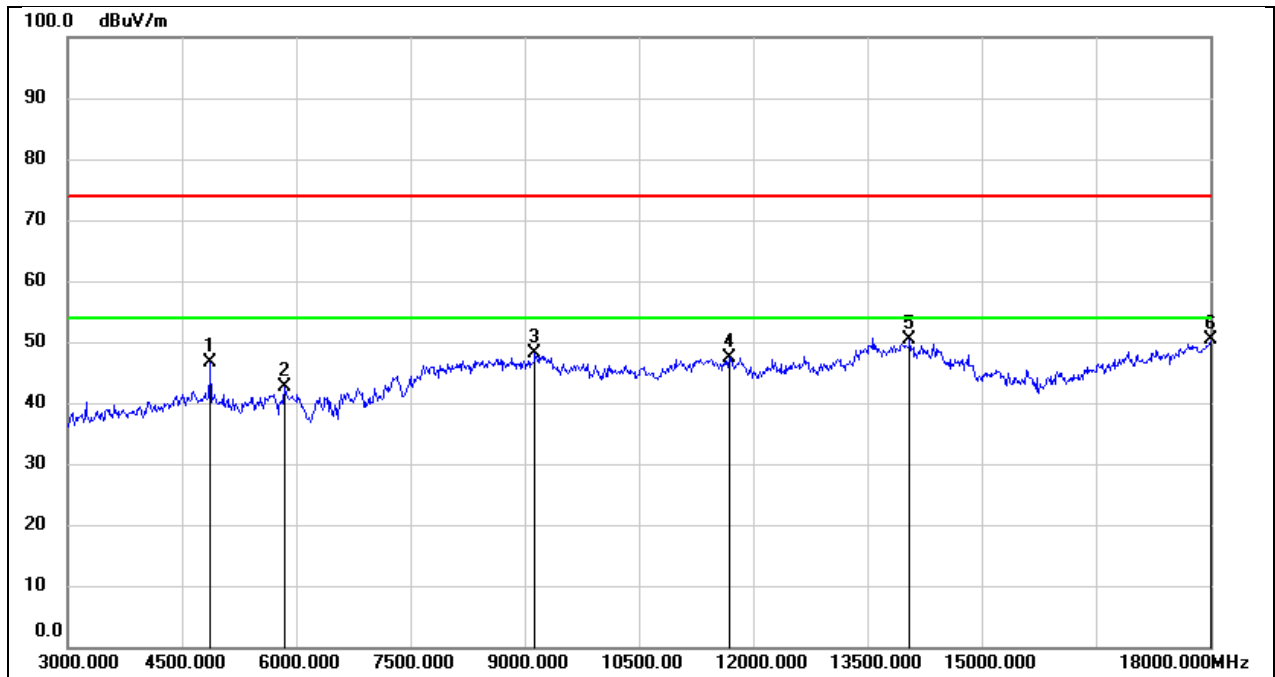
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	43.93	0.60	44.53	74.00	-29.47	peak
2	6690.000	37.28	5.46	42.74	74.00	-31.26	peak
3	8835.000	39.13	9.60	48.73	74.00	-25.27	peak
4	12675.000	27.56	19.83	47.39	74.00	-26.61	peak
5	14010.000	26.23	24.07	50.30	74.00	-23.70	peak
6	18000.000	21.48	28.54	50.02	74.00	-23.98	peak

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



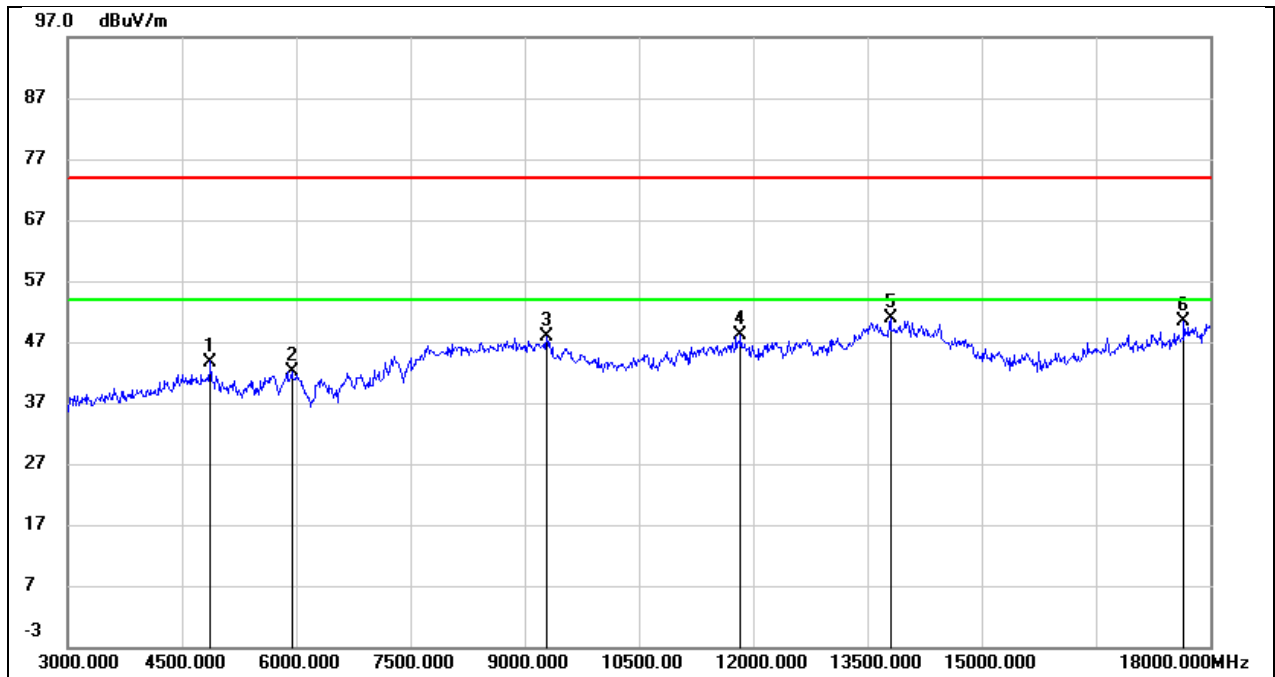
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	42.83	0.60	43.43	74.00	-30.57	peak
2	7290.000	38.16	6.88	45.04	74.00	-28.96	peak
3	8925.000	38.14	9.85	47.99	74.00	-26.01	peak
4	10560.000	33.27	14.41	47.68	74.00	-26.32	peak
5	13530.000	27.68	22.88	50.56	74.00	-23.44	peak
6	18000.000	22.07	28.54	50.61	74.00	-23.39	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



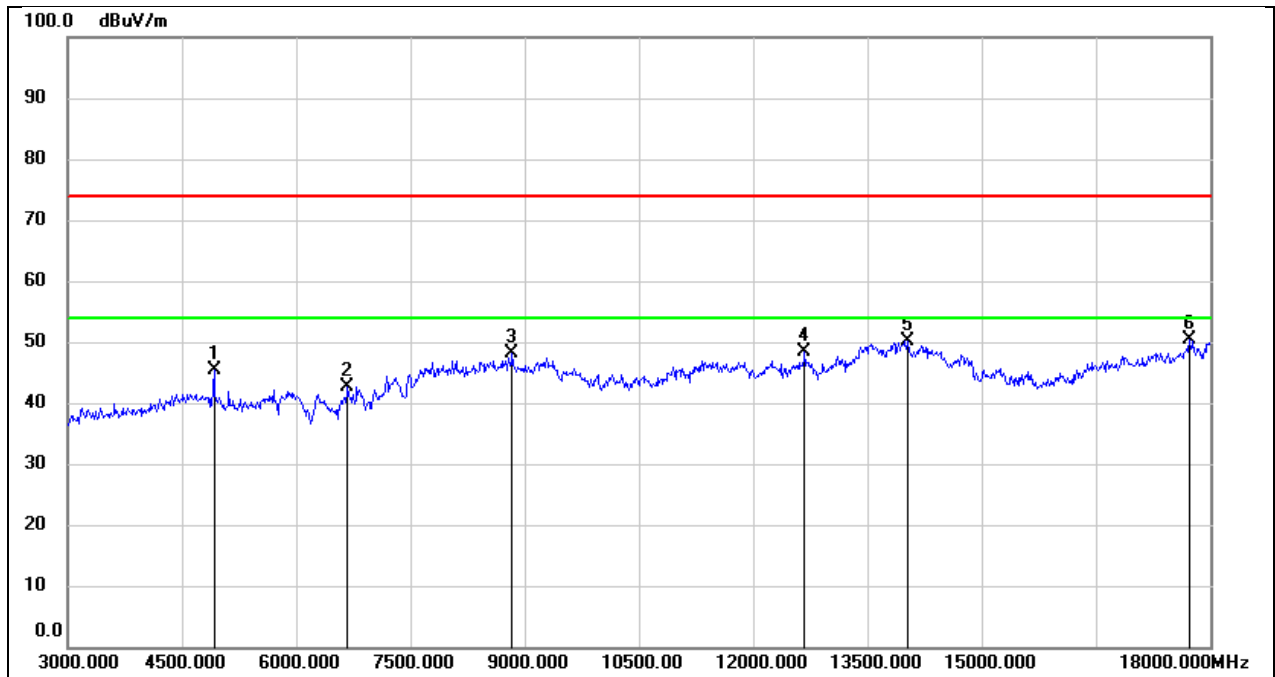
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	45.81	0.75	46.56	74.00	-27.44	peak
2	5850.000	39.91	2.67	42.58	74.00	-31.42	peak
3	9135.000	37.56	10.67	48.23	74.00	-25.77	peak
4	11685.000	29.19	18.16	47.35	74.00	-26.65	peak
5	14055.000	26.54	23.94	50.48	74.00	-23.52	peak
6	18000.000	21.72	28.54	50.26	74.00	-23.74	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



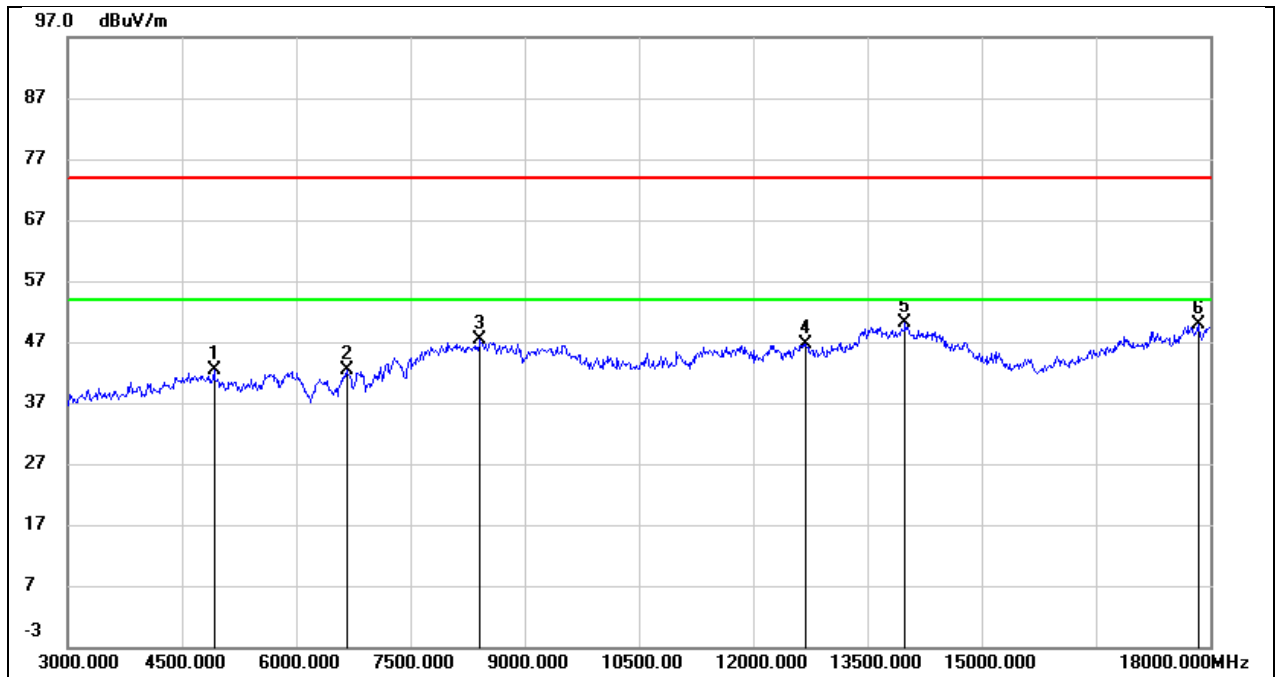
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	43.00	0.75	43.75	74.00	-30.25	peak
2	5940.000	39.33	2.83	42.16	74.00	-31.84	peak
3	9285.000	36.51	11.29	47.80	74.00	-26.20	peak
4	11835.000	29.58	18.51	48.09	74.00	-25.91	peak
5	13800.000	27.54	23.27	50.81	74.00	-23.19	peak
6	17655.000	24.45	25.93	50.38	74.00	-23.62	peak

Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



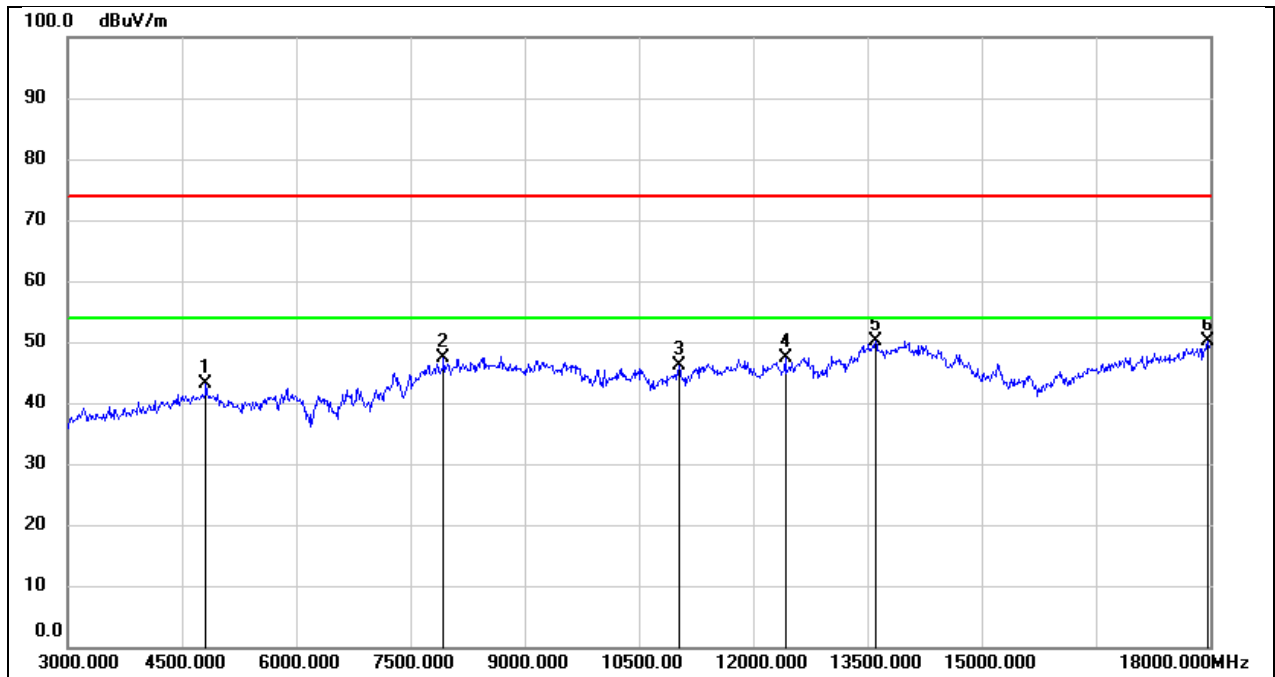
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	44.56	0.86	45.42	74.00	-28.58	peak
2	6675.000	37.27	5.40	42.67	74.00	-31.33	peak
3	8835.000	38.61	9.60	48.21	74.00	-25.79	peak
4	12675.000	28.55	19.83	48.38	74.00	-25.62	peak
5	14025.000	26.19	24.02	50.21	74.00	-23.79	peak
6	17730.000	24.08	26.37	50.45	74.00	-23.55	peak

Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



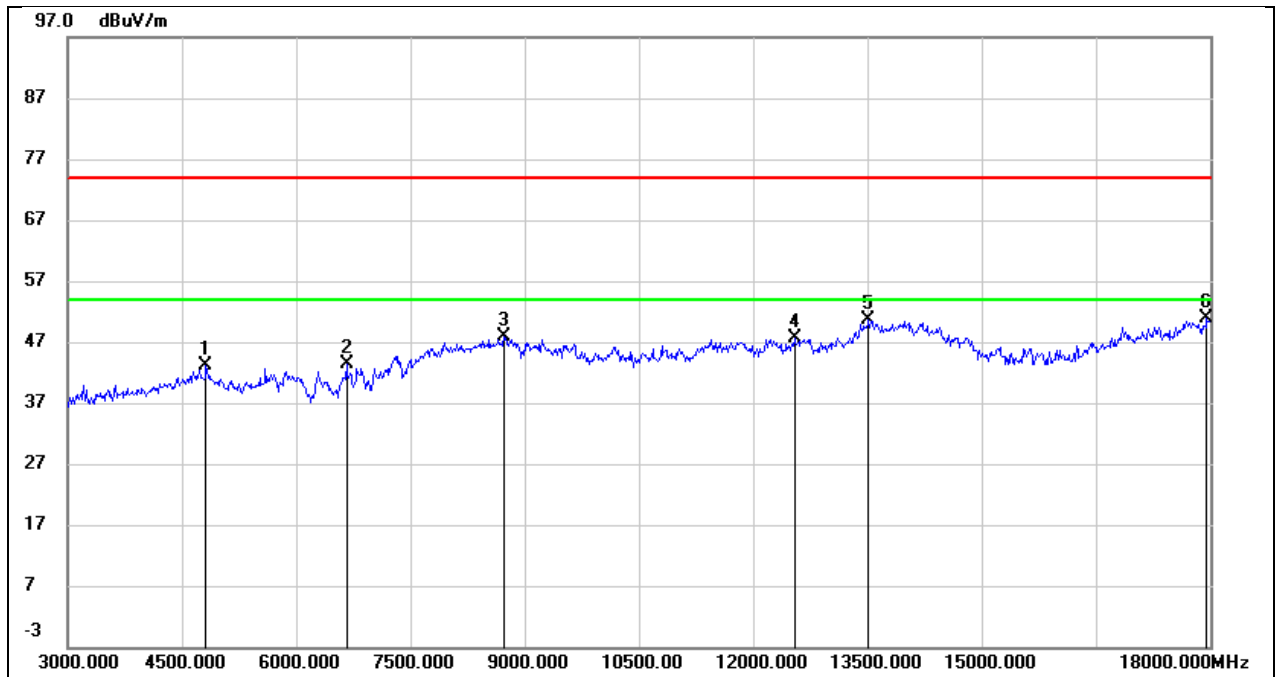
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	41.51	0.86	42.37	74.00	-31.63	peak
2	6660.000	37.09	5.34	42.43	74.00	-31.57	peak
3	8415.000	38.47	8.93	47.40	74.00	-26.60	peak
4	12690.000	26.87	19.85	46.72	74.00	-27.28	peak
5	13995.000	25.93	24.08	50.01	74.00	-23.99	peak
6	17850.000	22.57	27.22	49.79	74.00	-24.21	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



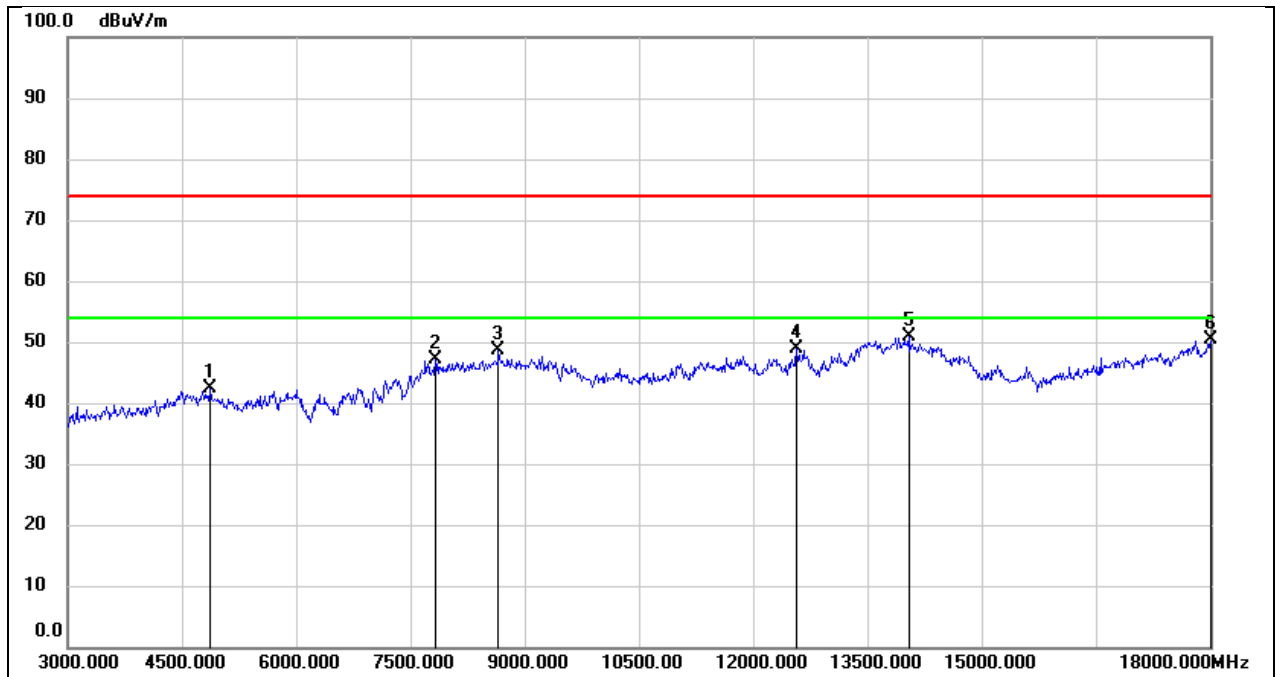
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	42.48	0.60	43.08	74.00	-30.92	peak
2	7935.000	39.40	7.98	47.38	74.00	-26.62	peak
3	11025.000	29.57	16.47	46.04	74.00	-27.96	peak
4	12420.000	27.77	19.63	47.40	74.00	-26.60	peak
5	13605.000	27.21	23.01	50.22	74.00	-23.78	peak
6	17970.000	21.85	28.27	50.12	74.00	-23.88	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



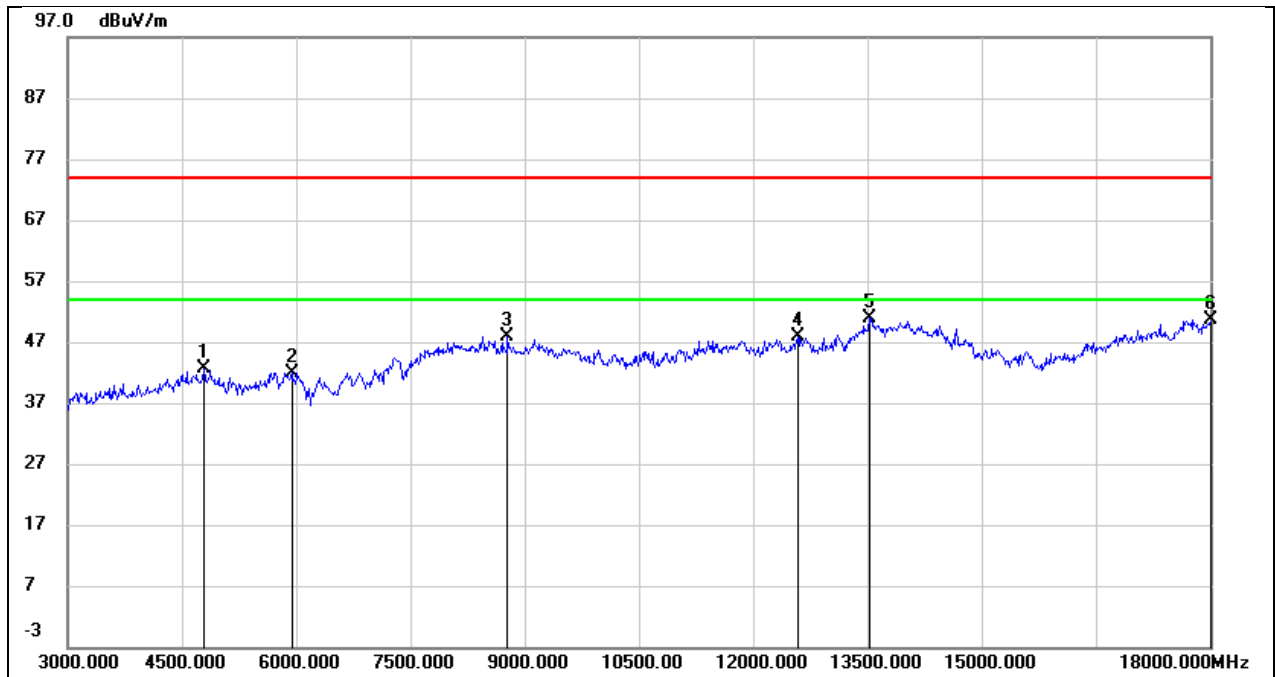
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	42.54	0.60	43.14	74.00	-30.86	peak
2	6660.000	37.99	5.34	43.33	74.00	-30.67	peak
3	8730.000	38.53	9.42	47.95	74.00	-26.05	peak
4	12540.000	27.88	19.69	47.57	74.00	-26.43	peak
5	13515.000	27.67	22.87	50.54	74.00	-23.46	peak
6	17955.000	22.81	28.14	50.95	74.00	-23.05	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



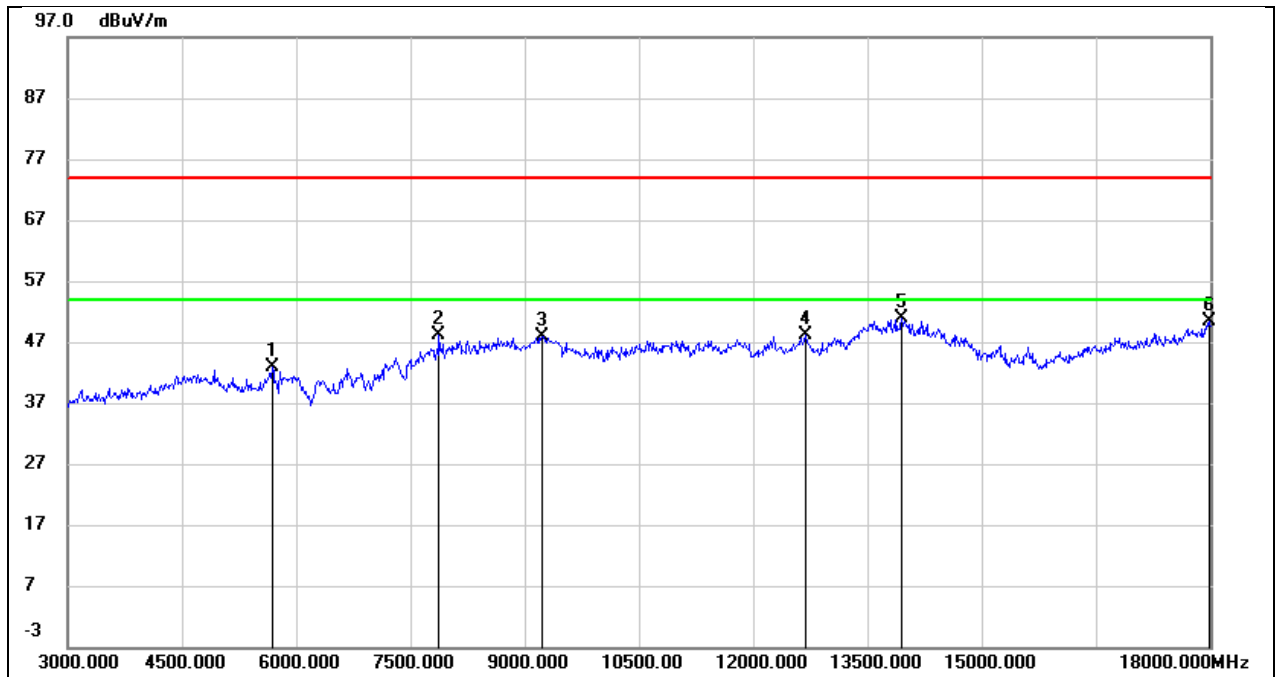
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	41.56	0.75	42.31	74.00	-31.69	peak
2	7830.000	39.34	7.72	47.06	74.00	-26.94	peak
3	8655.000	39.32	9.34	48.66	74.00	-25.34	peak
4	12570.000	29.27	19.68	48.95	74.00	-25.05	peak
5	14040.000	26.79	23.97	50.76	74.00	-23.24	peak
6	18000.000	21.86	28.54	50.40	74.00	-23.60	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



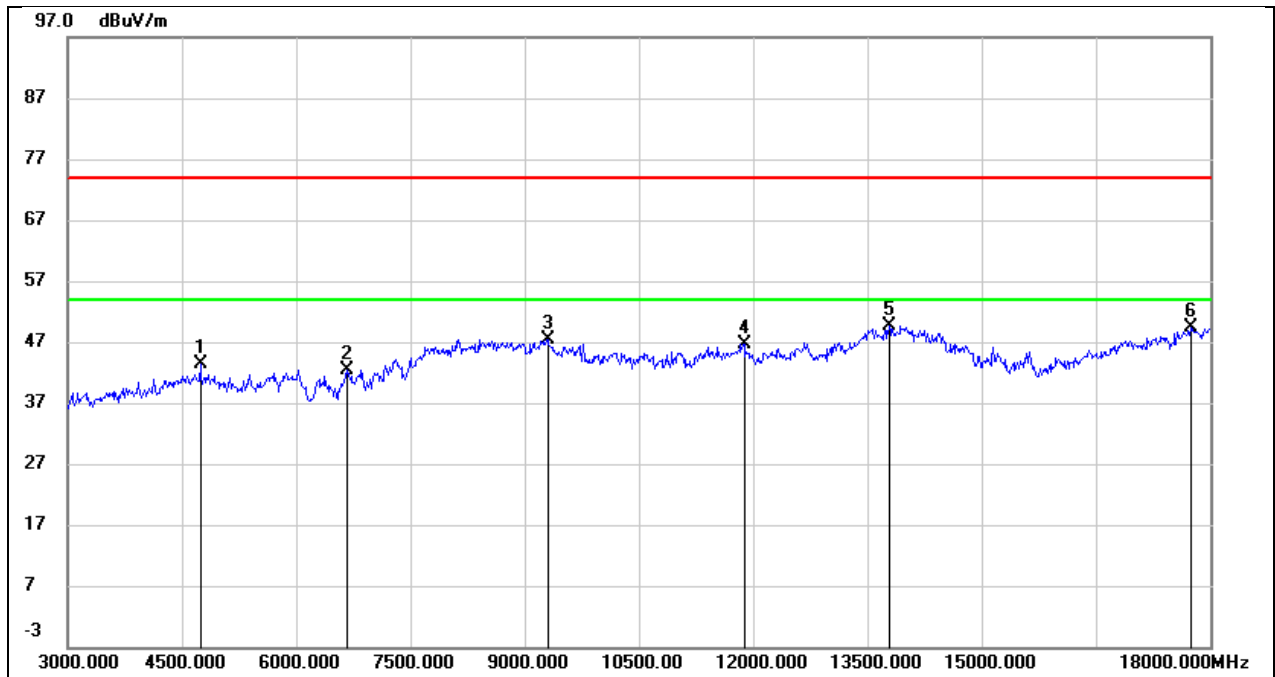
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4785.000	42.12	0.53	42.65	74.00	-31.35	peak
2	5940.000	39.17	2.83	42.00	74.00	-32.00	peak
3	8775.000	38.43	9.47	47.90	74.00	-26.10	peak
4	12585.000	28.20	19.69	47.89	74.00	-26.11	peak
5	13530.000	28.06	22.88	50.94	74.00	-23.06	peak
6	18000.000	22.03	28.54	50.57	74.00	-23.43	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



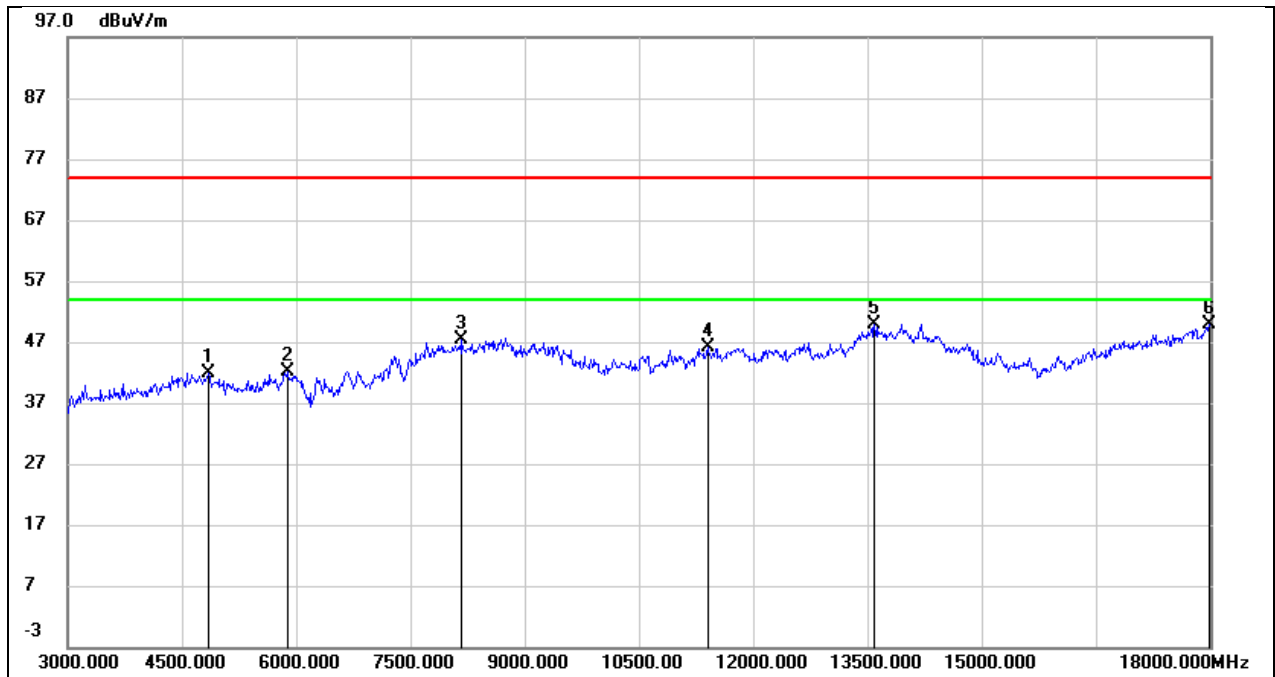
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5685.000	40.55	2.37	42.92	74.00	-31.08	peak
2	7875.000	40.35	7.83	48.18	74.00	-25.82	peak
3	9225.000	36.92	11.04	47.96	74.00	-26.04	peak
4	12690.000	28.26	19.85	48.11	74.00	-25.89	peak
5	13950.000	26.91	23.89	50.80	74.00	-23.20	peak
6	17985.000	21.92	28.41	50.33	74.00	-23.67	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



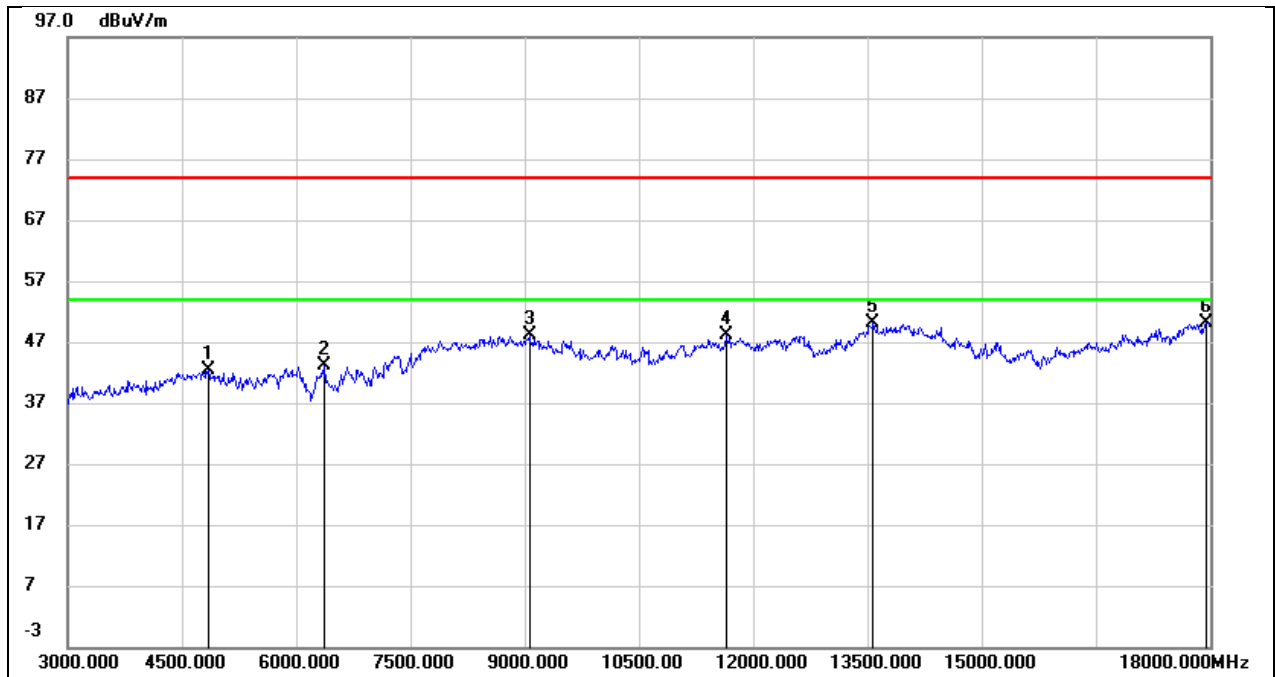
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4740.000	42.94	0.39	43.33	74.00	-30.67	peak
2	6660.000	37.09	5.34	42.43	74.00	-31.57	peak
3	9300.000	36.12	11.36	47.48	74.00	-26.52	peak
4	11880.000	28.15	18.59	46.74	74.00	-27.26	peak
5	13785.000	26.36	23.24	49.60	74.00	-24.40	peak
6	17745.000	22.99	26.46	49.45	74.00	-24.55	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



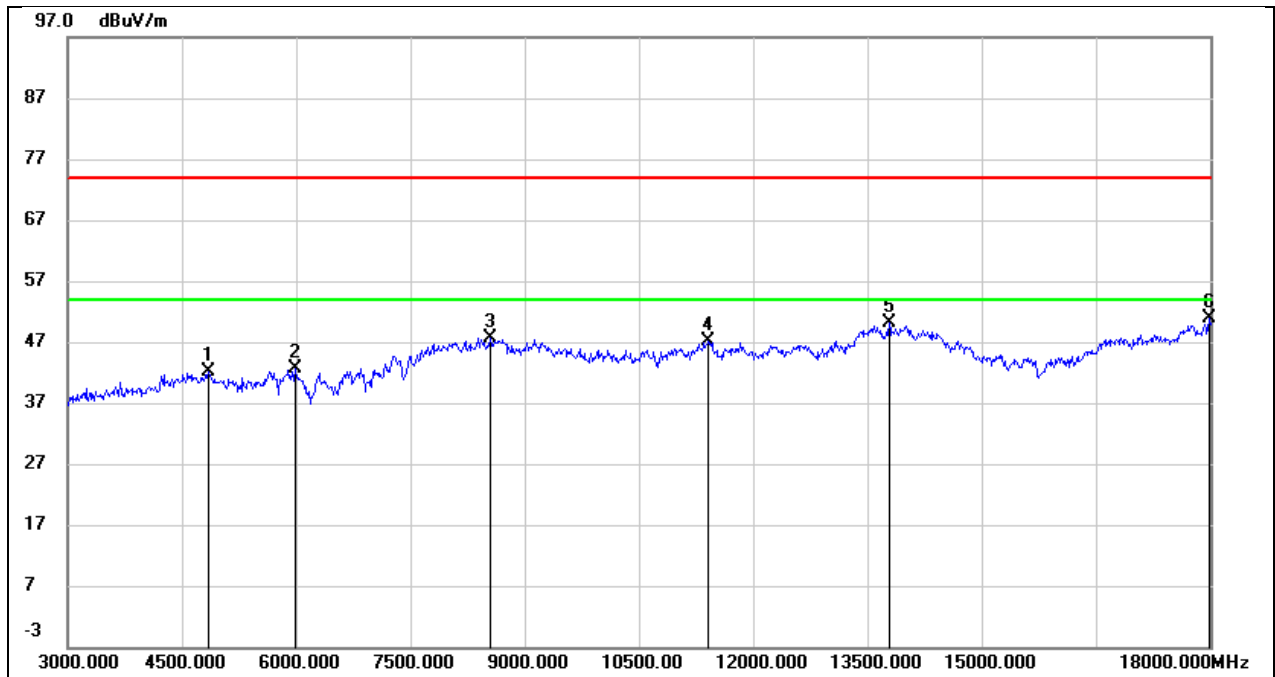
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	41.27	0.68	41.95	74.00	-32.05	peak
2	5880.000	39.38	2.72	42.10	74.00	-31.90	peak
3	8175.000	38.83	8.53	47.36	74.00	-26.64	peak
4	11400.000	28.63	17.44	46.07	74.00	-27.93	peak
5	13590.000	26.97	22.98	49.95	74.00	-24.05	peak
6	17985.000	21.50	28.41	49.91	74.00	-24.09	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



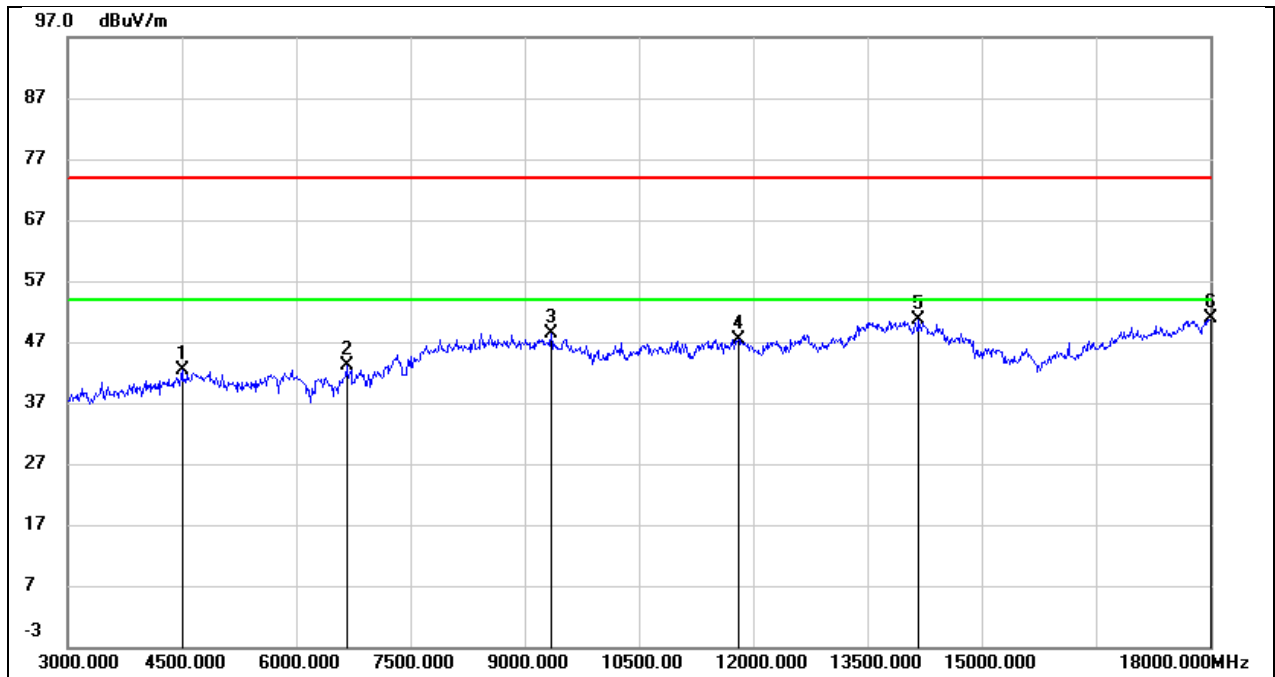
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	41.76	0.68	42.44	74.00	-31.56	peak
2	6375.000	38.81	4.29	43.10	74.00	-30.90	peak
3	9060.000	37.69	10.33	48.02	74.00	-25.98	peak
4	11640.000	29.99	18.04	48.03	74.00	-25.97	peak
5	13575.000	27.12	22.97	50.09	74.00	-23.91	peak
6	17955.000	21.98	28.14	50.12	74.00	-23.88	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



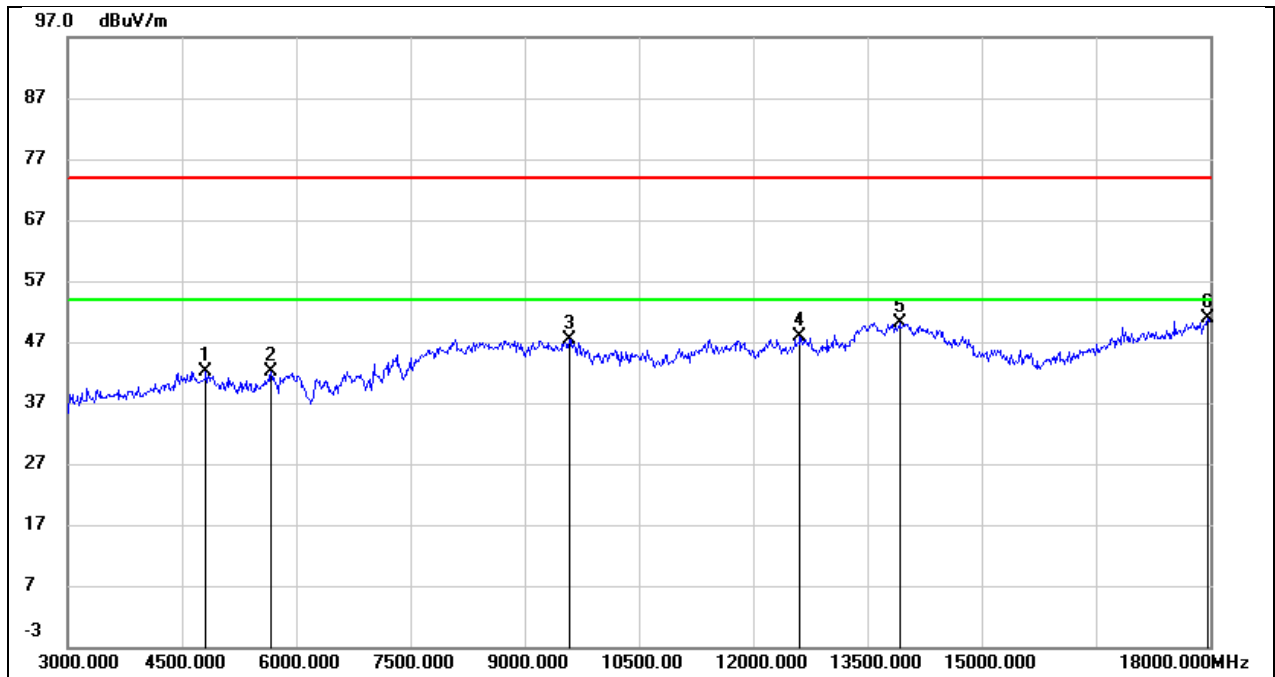
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	41.34	0.68	42.02	74.00	-31.98	peak
2	5985.000	39.72	2.91	42.63	74.00	-31.37	peak
3	8550.000	38.46	9.16	47.62	74.00	-26.38	peak
4	11415.000	29.66	17.48	47.14	74.00	-26.86	peak
5	13785.000	26.79	23.24	50.03	74.00	-23.97	peak
6	17985.000	22.36	28.41	50.77	74.00	-23.23	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



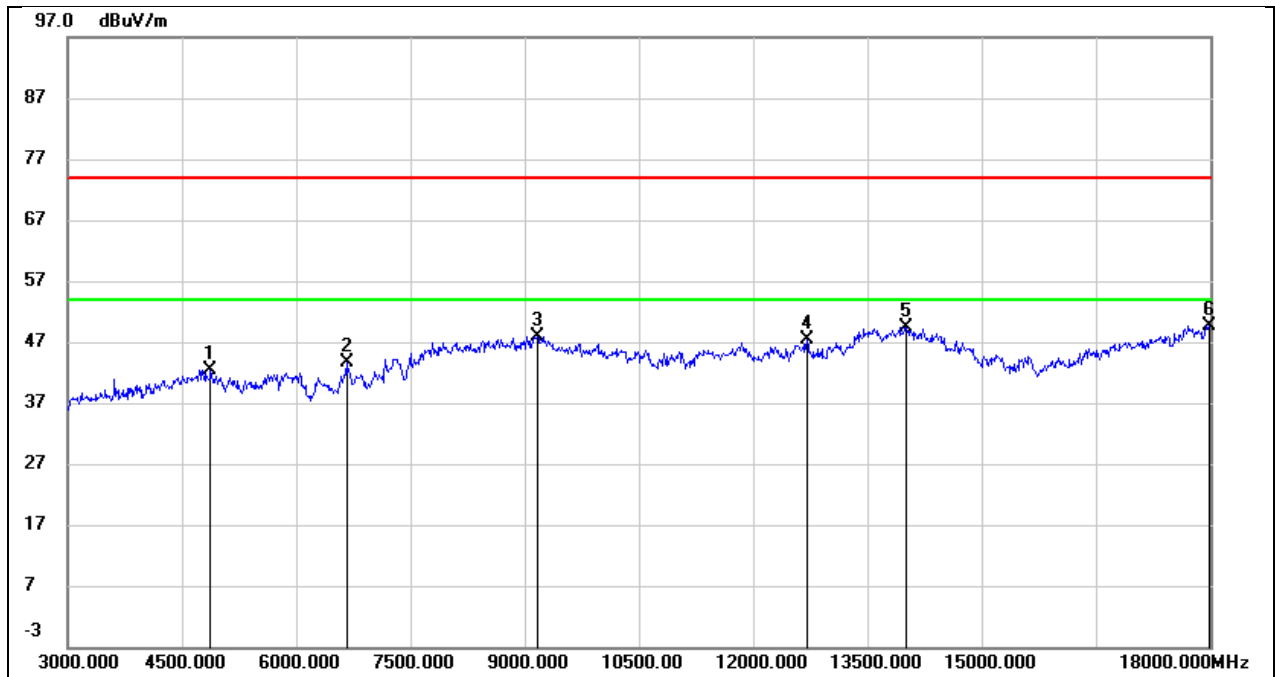
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4500.000	42.73	-0.33	42.40	74.00	-31.60	peak
2	6660.000	37.78	5.34	43.12	74.00	-30.88	peak
3	9345.000	36.74	11.54	48.28	74.00	-25.72	peak
4	11805.000	28.96	18.45	47.41	74.00	-26.59	peak
5	14175.000	27.13	23.57	50.70	74.00	-23.30	peak
6	18000.000	22.33	28.54	50.87	74.00	-23.13	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	41.49	0.60	42.09	74.00	-31.91	peak
2	5670.000	39.72	2.33	42.05	74.00	-31.95	peak
3	9585.000	34.80	12.58	47.38	74.00	-26.62	peak
4	12615.000	28.17	19.72	47.89	74.00	-26.11	peak
5	13920.000	26.38	23.77	50.15	74.00	-23.85	peak
6	17970.000	22.72	28.27	50.99	74.00	-23.01	peak

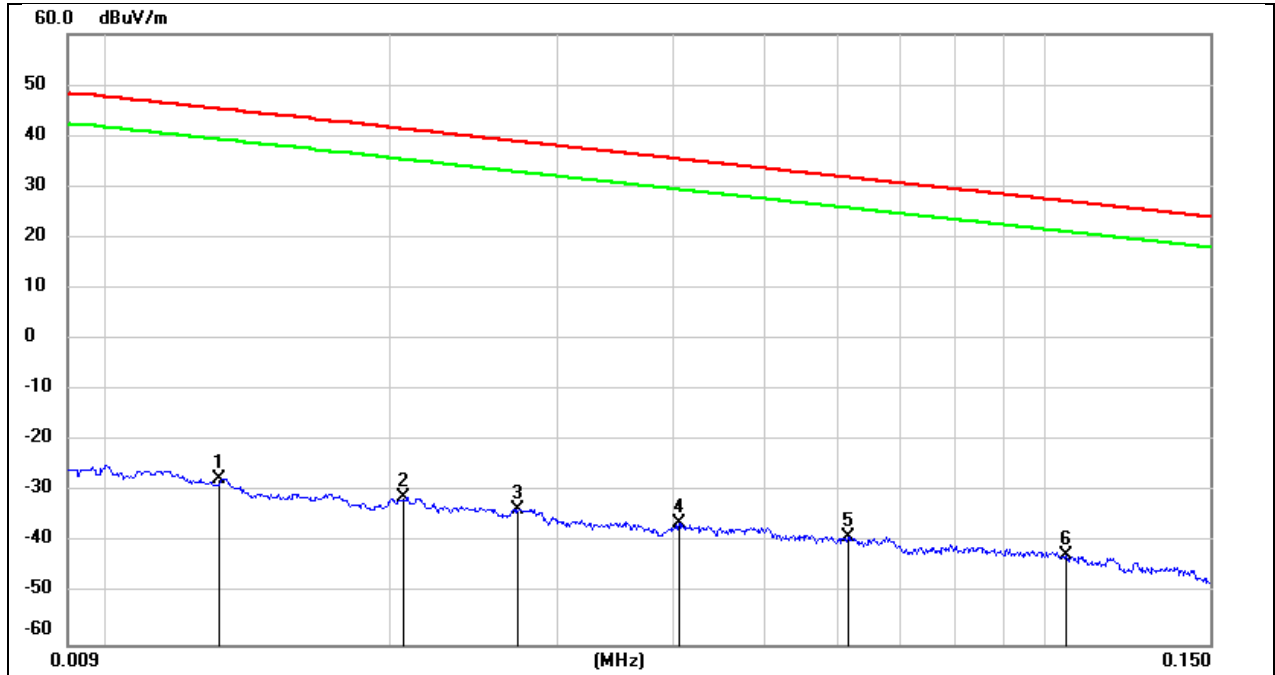
Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	41.73	0.75	42.48	74.00	-31.52	peak
2	6660.000	38.20	5.34	43.54	74.00	-30.46	peak
3	9165.000	37.07	10.79	47.86	74.00	-26.14	peak
4	12705.000	27.40	19.88	47.28	74.00	-26.72	peak
5	14010.000	25.33	24.07	49.40	74.00	-24.60	peak
6	17985.000	21.32	28.41	49.73	74.00	-24.27	peak

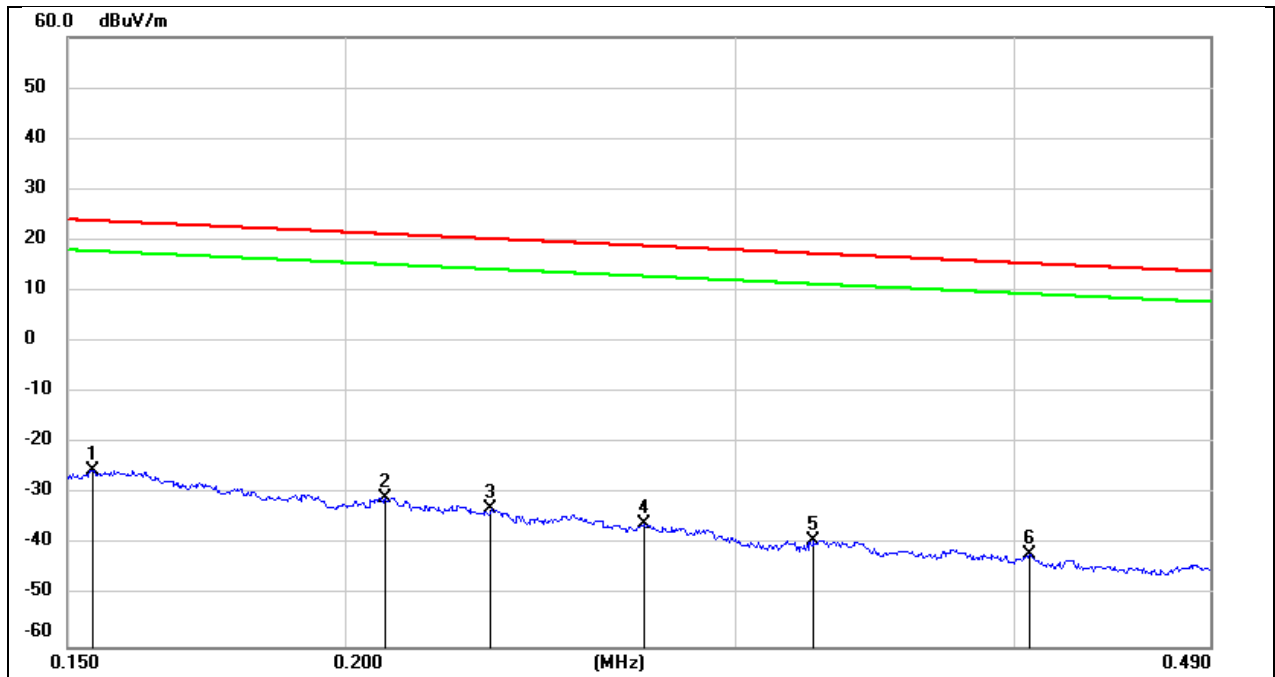
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



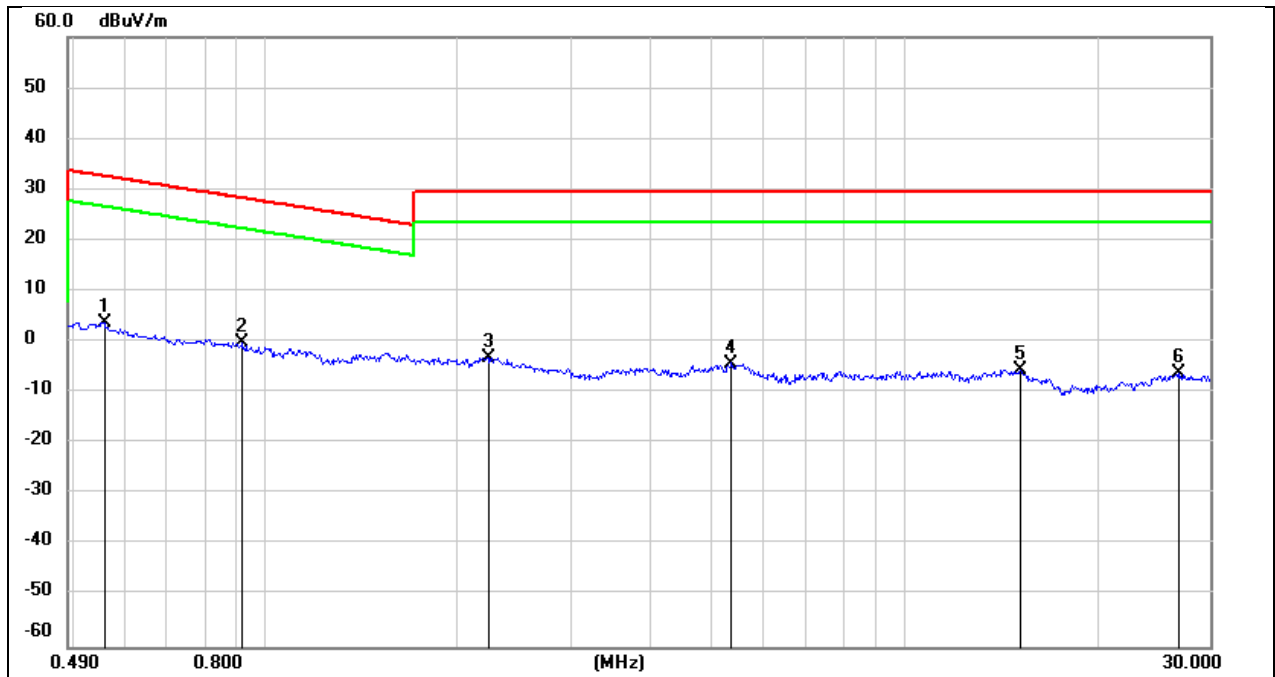
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0131	73.97	-101.38	-27.41	45.25	-72.66	peak
2	0.0206	70.42	-101.35	-30.93	41.32	-72.25	peak
3	0.0273	67.99	-101.38	-33.39	38.88	-72.27	peak
4	0.0405	65.42	-101.44	-36.02	35.45	-71.47	peak
5	0.0616	62.63	-101.53	-38.90	31.81	-70.71	peak
6	0.1053	59.31	-101.78	-42.47	27.16	-69.63	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1539	76.24	-101.64	-25.40	23.86	-49.26	peak
2	0.2084	70.97	-101.73	-30.76	21.22	-51.98	peak
3	0.2326	68.82	-101.77	-32.95	20.27	-53.22	peak
4	0.2726	65.90	-101.83	-35.93	18.89	-54.82	peak
5	0.3251	62.71	-101.88	-39.17	17.36	-56.53	peak
6	0.4062	60.14	-101.96	-41.82	15.43	-57.25	peak

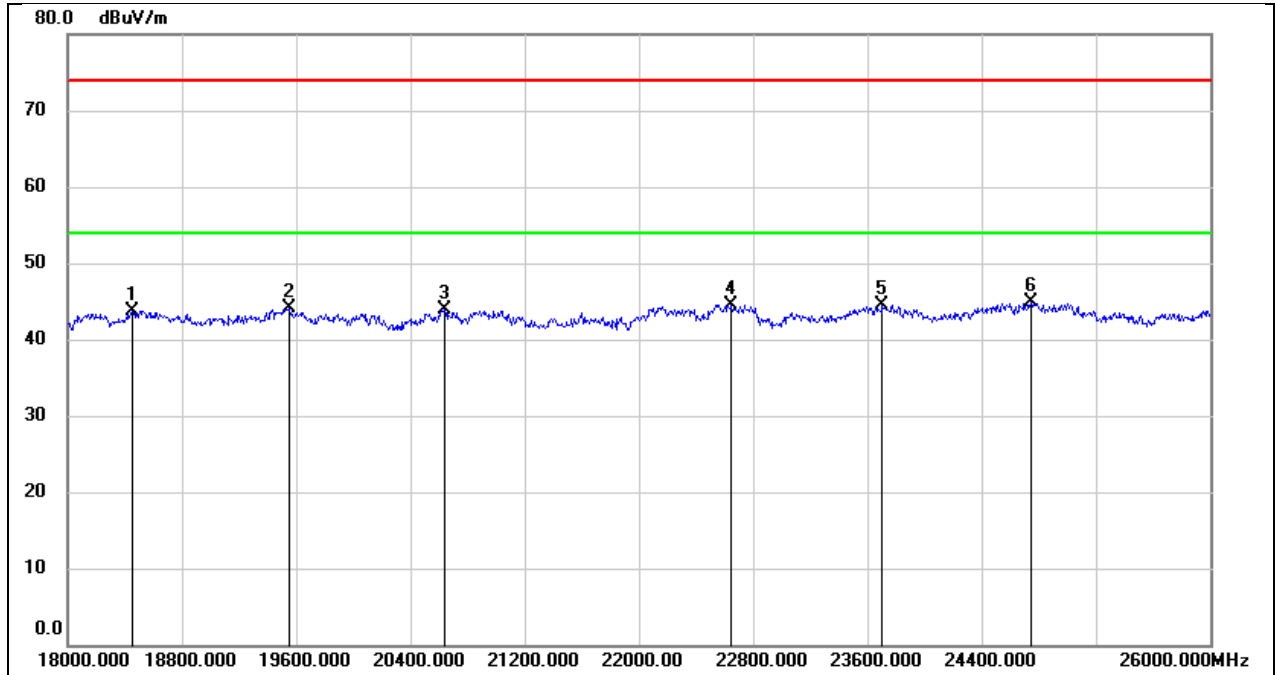
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5590	65.87	-62.09	3.78	32.66	-28.88	peak
2	0.9193	62.04	-62.22	-0.18	28.33	-28.51	peak
3	2.2311	58.64	-61.76	-3.12	29.54	-32.66	peak
4	5.3592	57.24	-61.44	-4.20	29.54	-33.74	peak
5	15.1859	55.55	-61.01	-5.46	29.54	-35.00	peak
6	26.8719	54.04	-60.27	-6.23	29.54	-35.77	peak

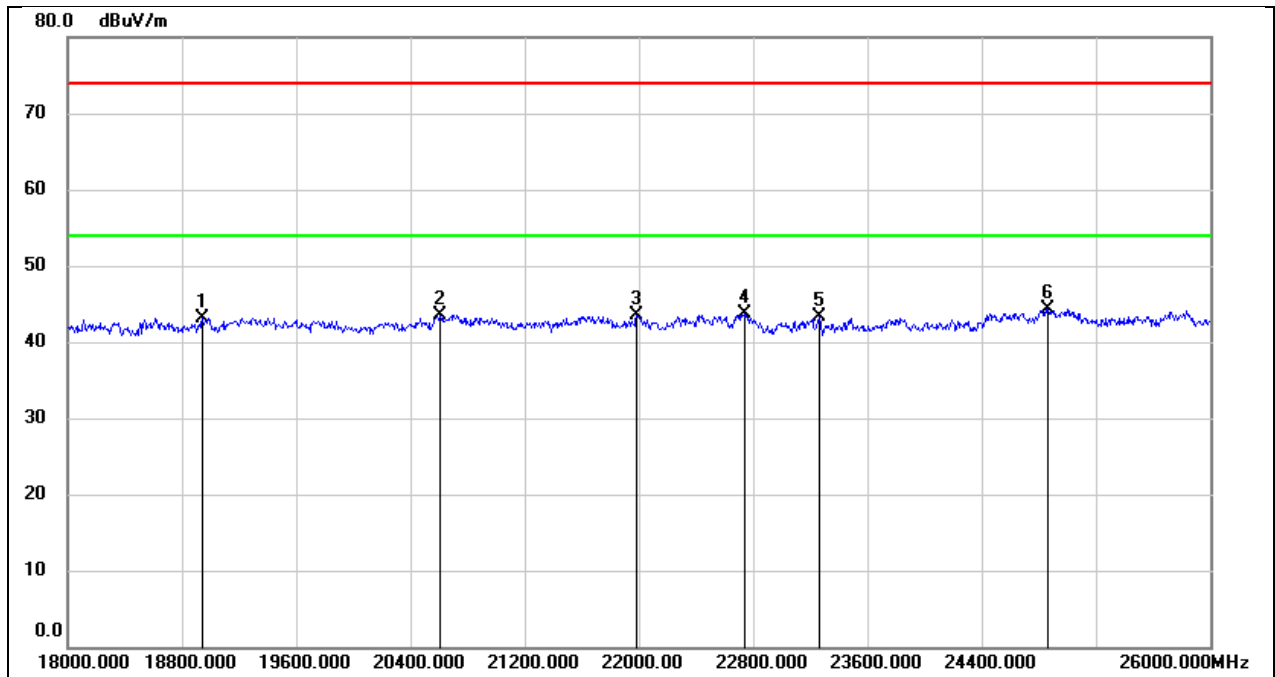
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18456.000	49.00	-5.30	43.70	74.00	-30.30	peak
2	19552.000	49.52	-5.49	44.03	74.00	-29.97	peak
3	20640.000	49.12	-5.22	43.90	74.00	-30.10	peak
4	22648.000	48.26	-3.77	44.49	74.00	-29.51	peak
5	23704.000	47.61	-3.19	44.42	74.00	-29.58	peak
6	24744.000	47.22	-2.32	44.90	74.00	-29.10	peak

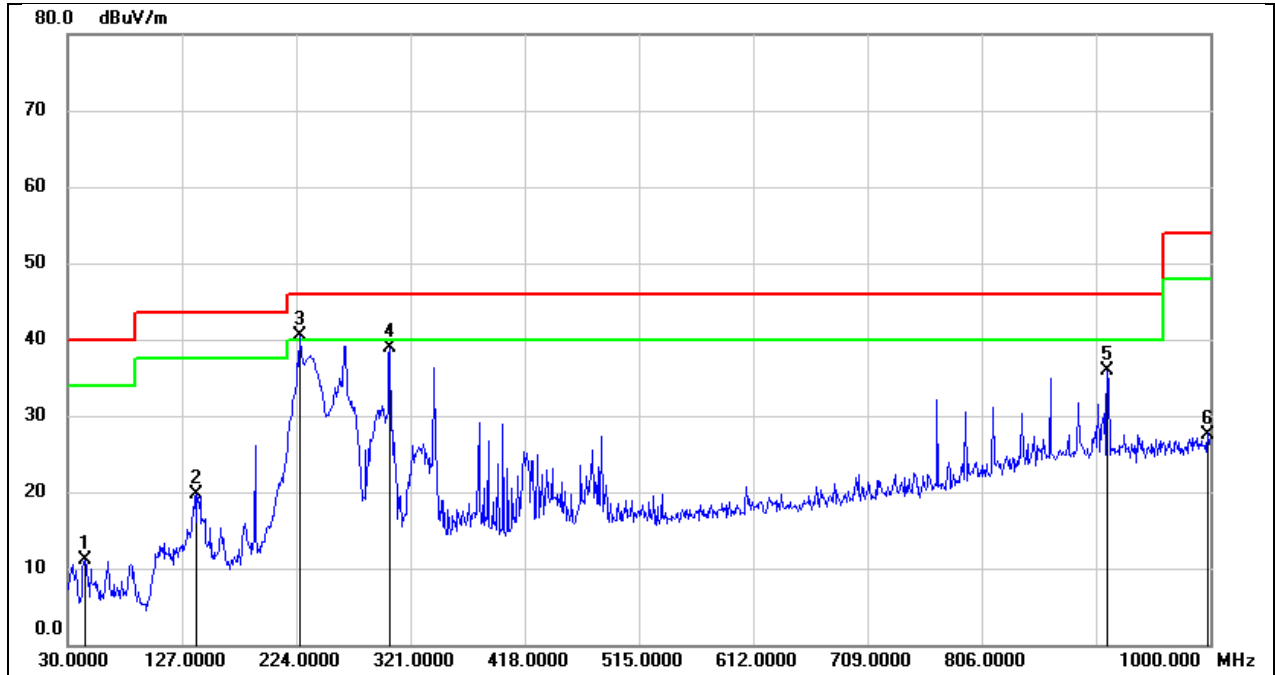
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18944.000	48.42	-5.27	43.15	74.00	-30.85	peak
2	20608.000	48.80	-5.25	43.55	74.00	-30.45	peak
3	21984.000	47.89	-4.47	43.42	74.00	-30.58	peak
4	22744.000	47.42	-3.69	43.73	74.00	-30.27	peak
5	23264.000	46.76	-3.36	43.40	74.00	-30.60	peak
6	24864.000	46.53	-2.23	44.30	74.00	-29.70	peak

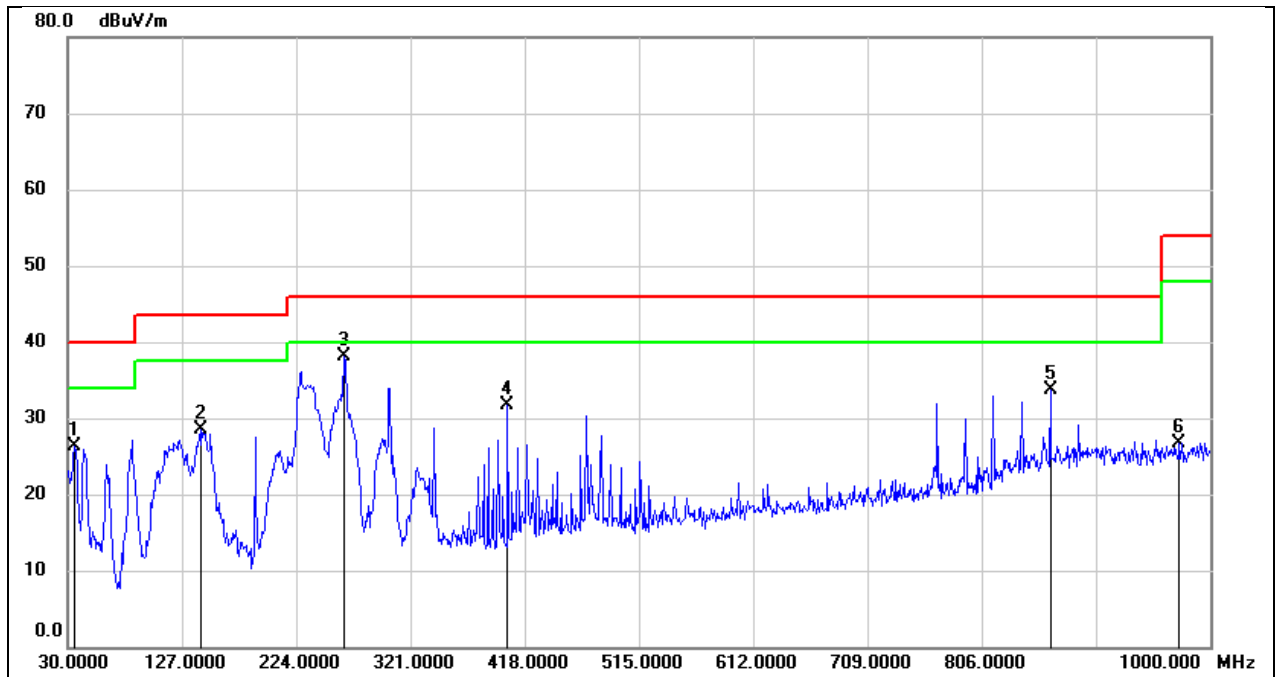
8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.5500	26.02	-14.91	11.11	40.00	-28.89	QP
2	139.6100	33.79	-14.00	19.79	43.50	-23.71	QP
3	226.9100	53.96	-13.37	40.59	46.00	-5.41	QP
4	303.5400	50.22	-11.37	38.85	46.00	-7.15	QP
5	912.7000	36.48	-0.54	35.94	46.00	-10.06	QP
6	998.0600	27.75	-0.15	27.60	54.00	-26.40	QP

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V

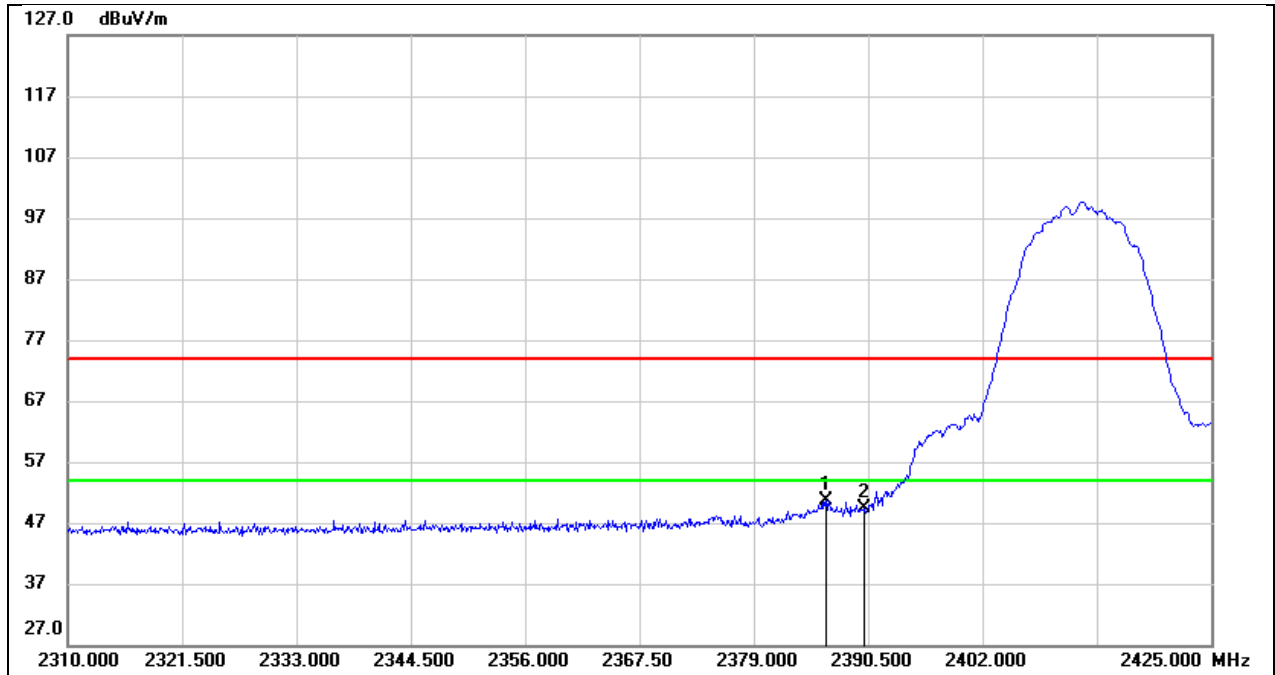


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	35.8200	40.80	-14.54	26.26	40.00	-13.74	QP
2	142.5200	42.33	-13.85	28.48	43.50	-15.02	QP
3	264.7400	51.71	-13.67	38.04	46.00	-7.96	QP
4	403.4500	41.28	-9.51	31.77	46.00	-14.23	QP
5	864.2000	34.70	-1.06	33.64	46.00	-12.36	QP
6	973.8100	27.27	-0.50	26.77	54.00	-27.23	QP

TEST RESULTS FOR RADAR BOARD

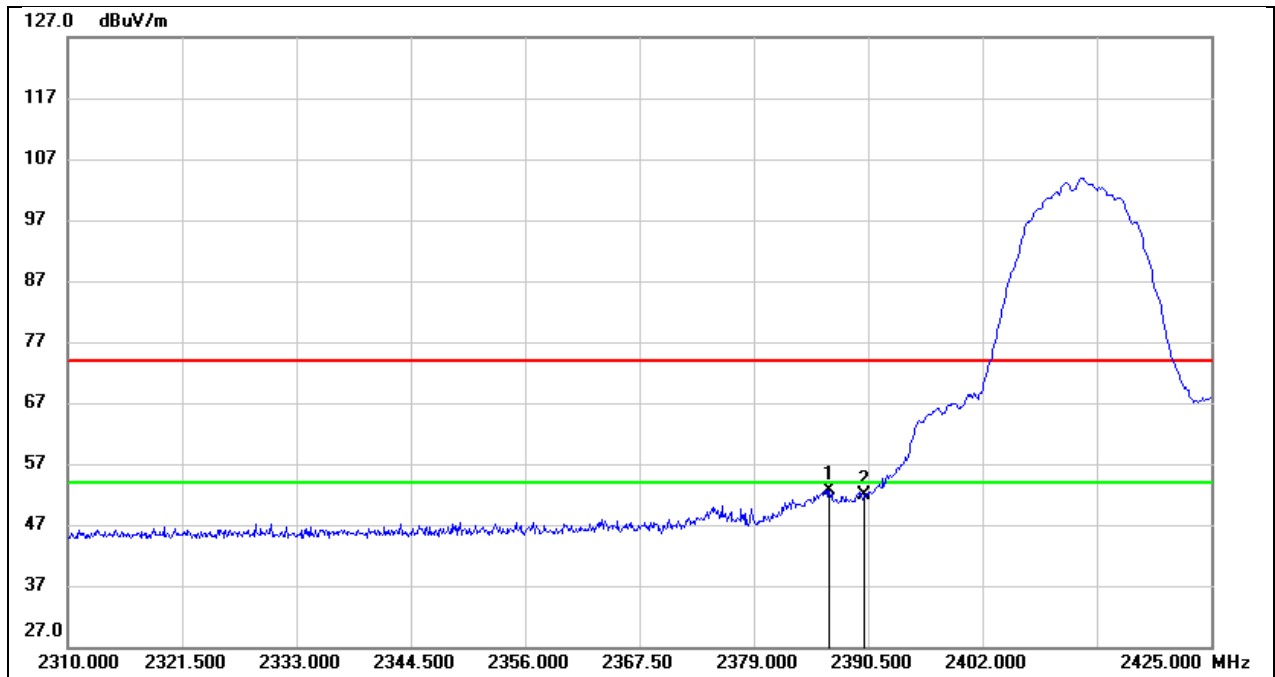
8.7. RESTRICTED BANDEDGE

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



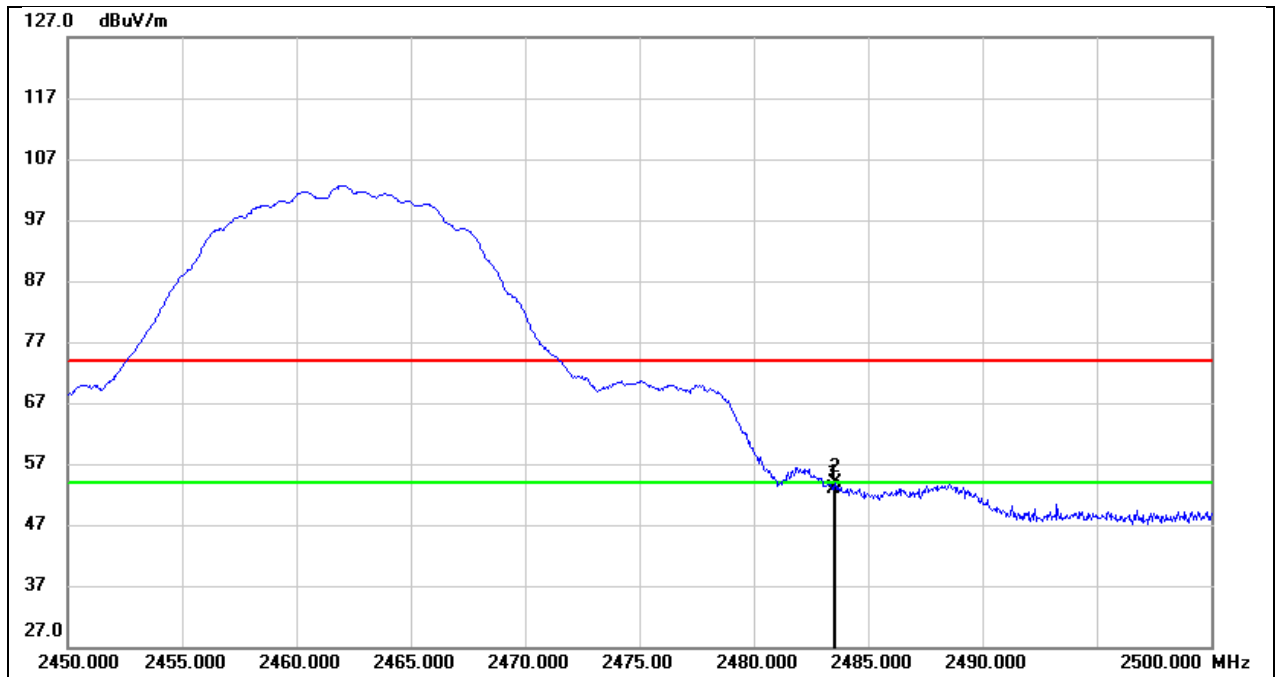
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.245	19.02	31.67	50.69	74.00	-23.31	peak
2	2390.000	17.61	31.69	49.30	74.00	-24.70	peak

Test Mode:	802.11b PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



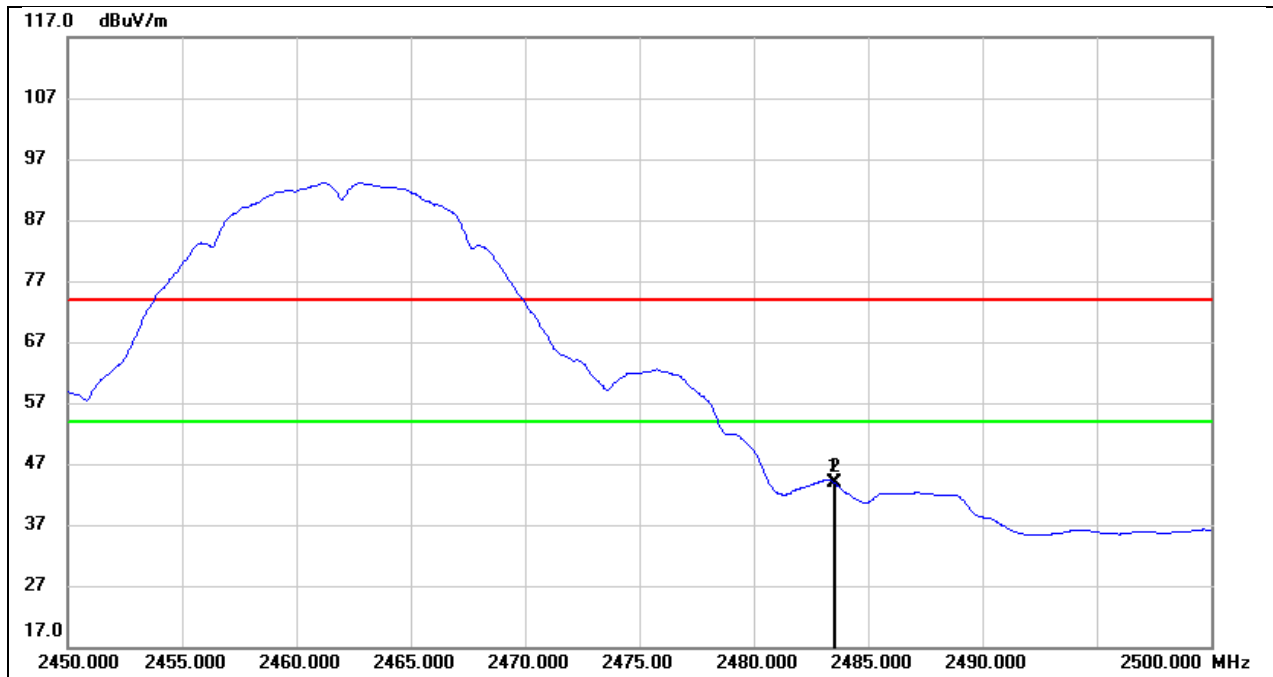
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.590	21.04	31.68	52.72	74.00	-21.28	peak
2	2390.000	20.24	31.69	51.93	74.00	-22.07	peak

Test Mode:	802.11b PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



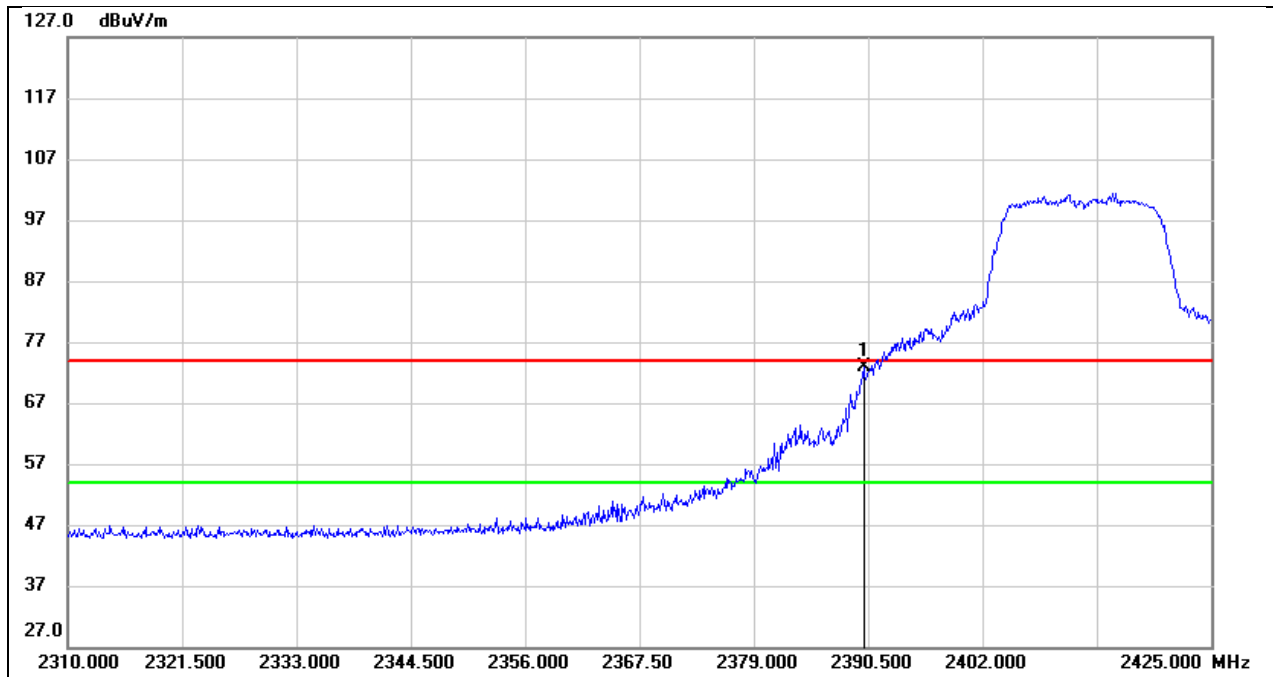
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	20.78	31.99	52.77	74.00	-21.23	peak
2	2483.550	21.82	31.99	53.81	74.00	-20.19	peak

Test Mode:	802.11b AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



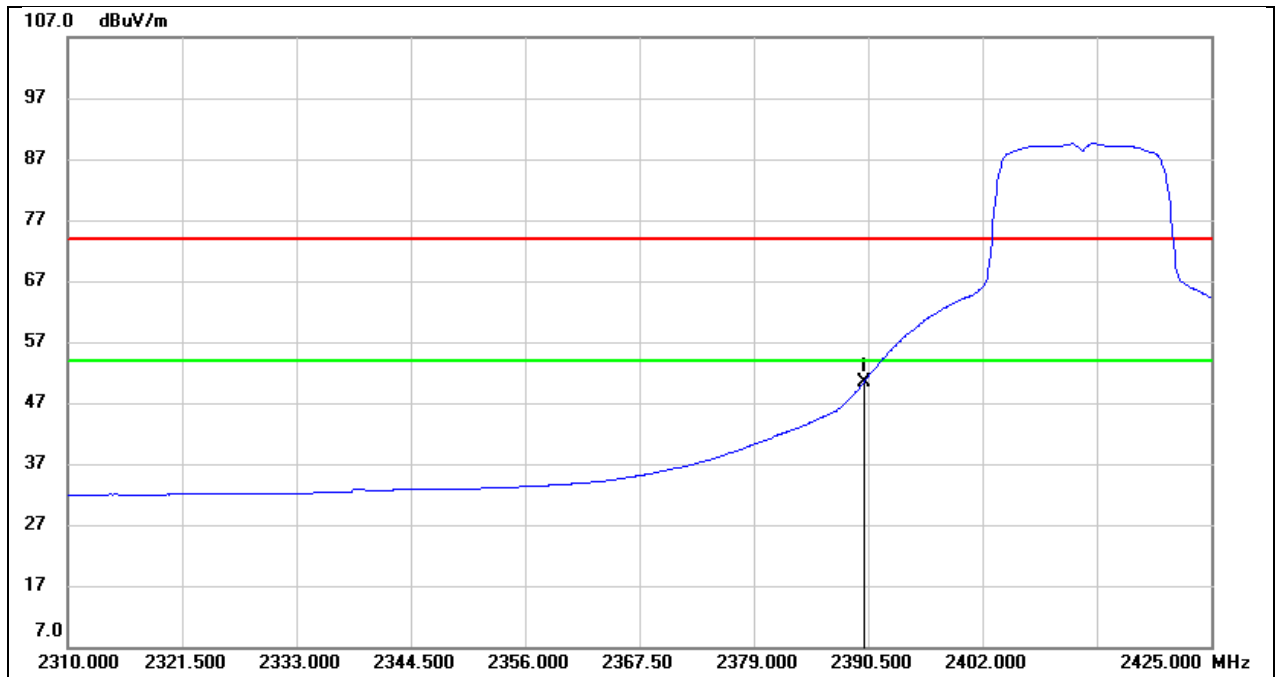
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.98	31.99	43.97	54.00	-10.03	AVG
2	2483.550	11.90	31.99	43.89	54.00	-10.11	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



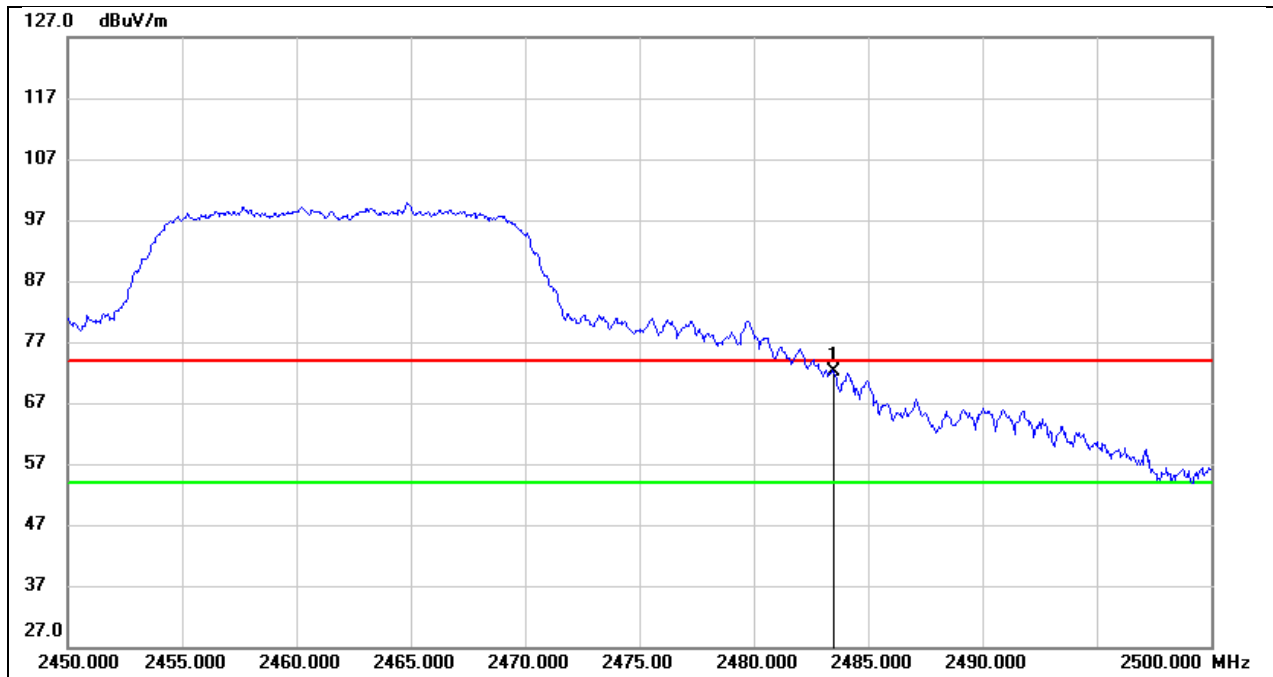
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	41.12	31.69	72.81	74.00	-1.19	peak

Test Mode:	802.11g AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



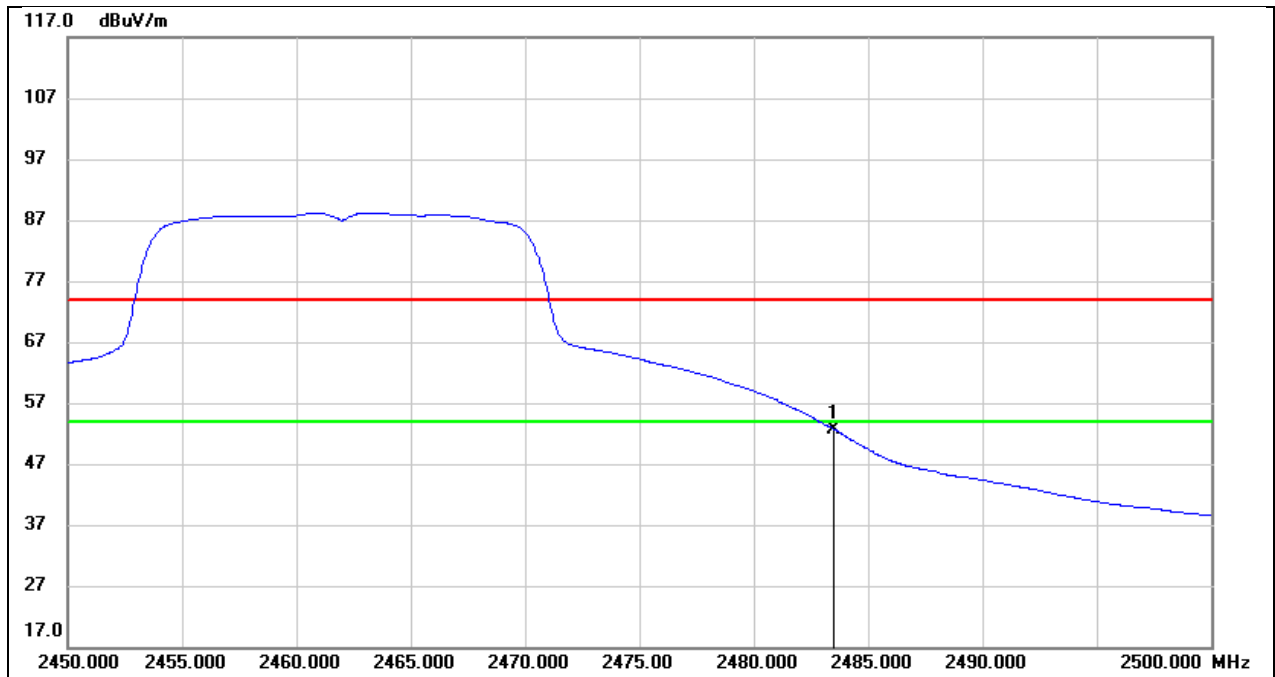
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	18.75	31.69	50.44	54.00	-3.56	AVG

Test Mode:	802.11g PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



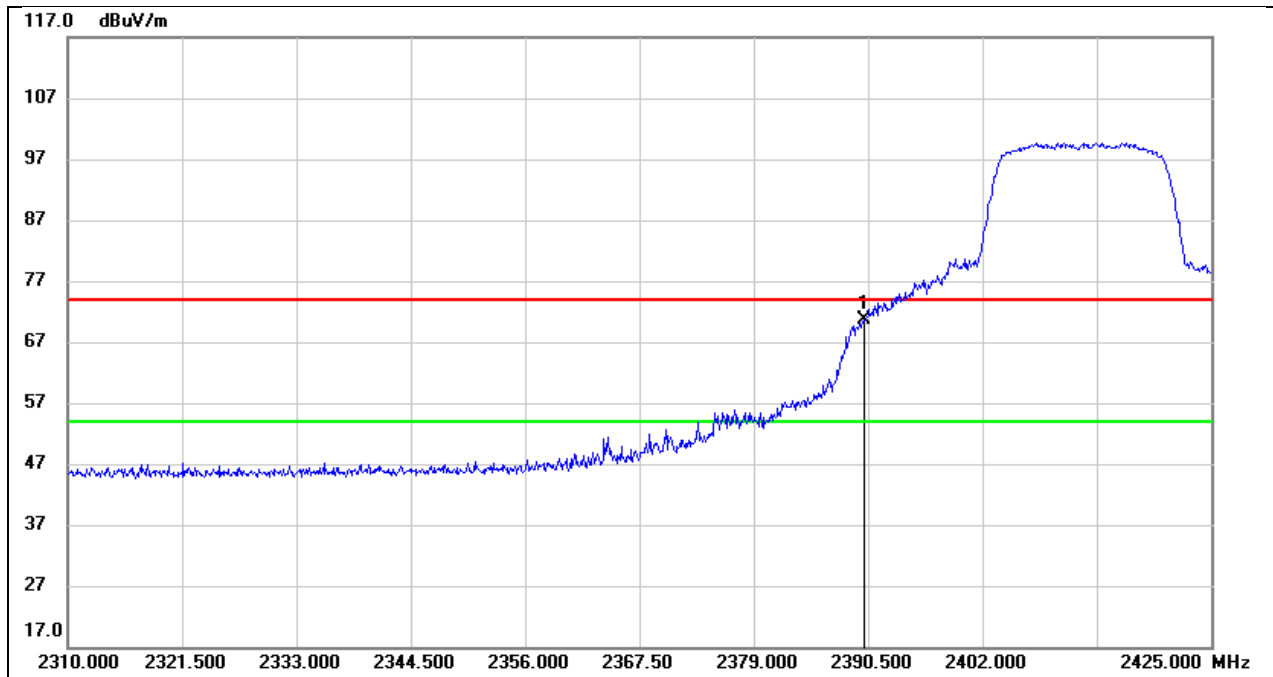
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	40.02	31.99	72.01	74.00	-1.99	peak

Test Mode:	802.11g AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



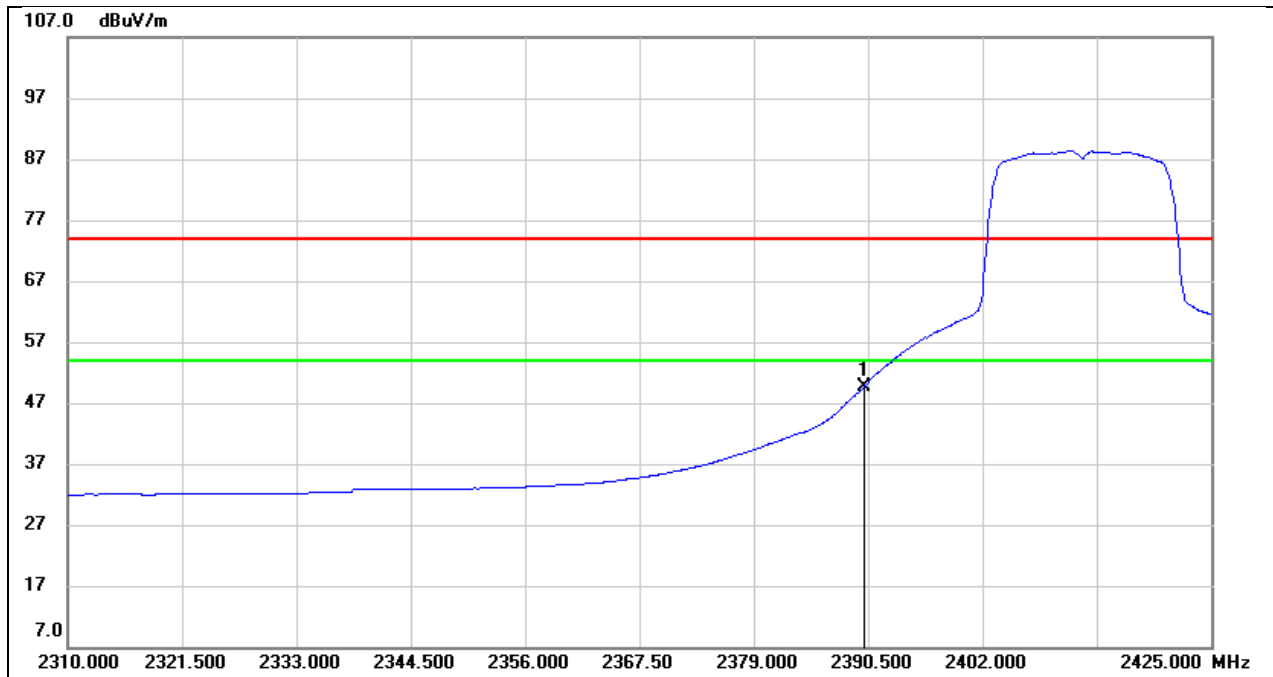
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	20.73	31.99	52.72	54.00	-1.28	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



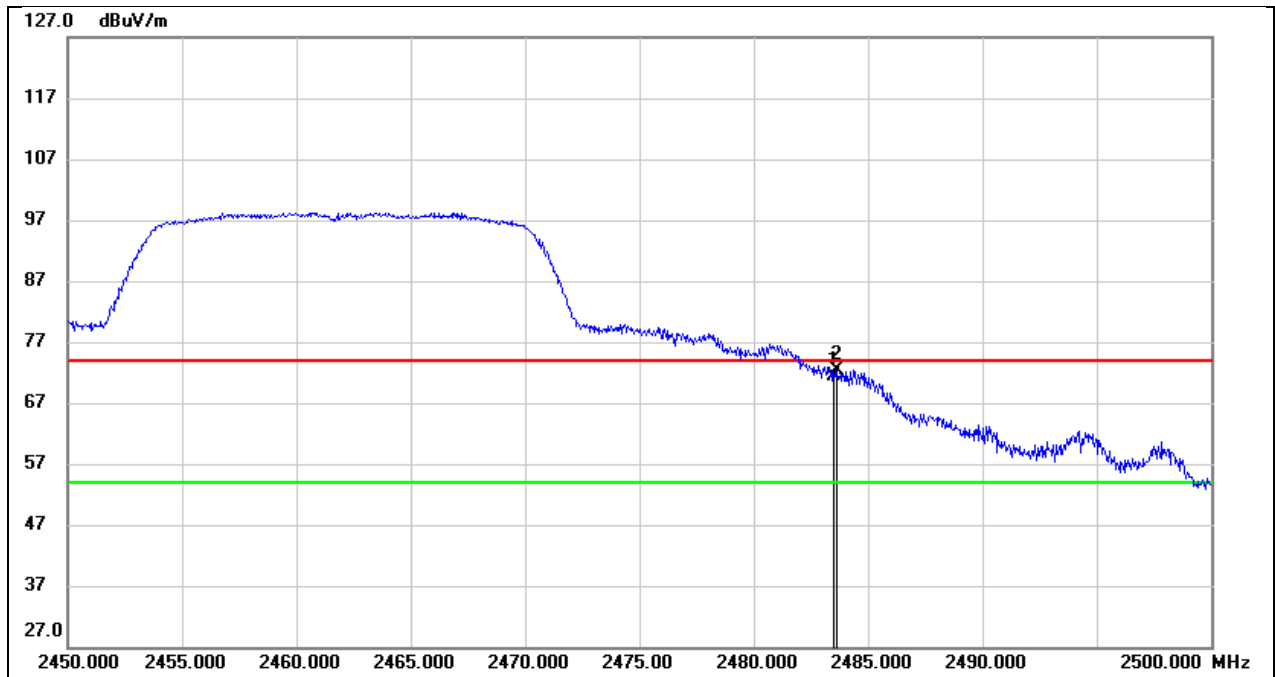
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	38.89	31.69	70.58	74.00	-3.42	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



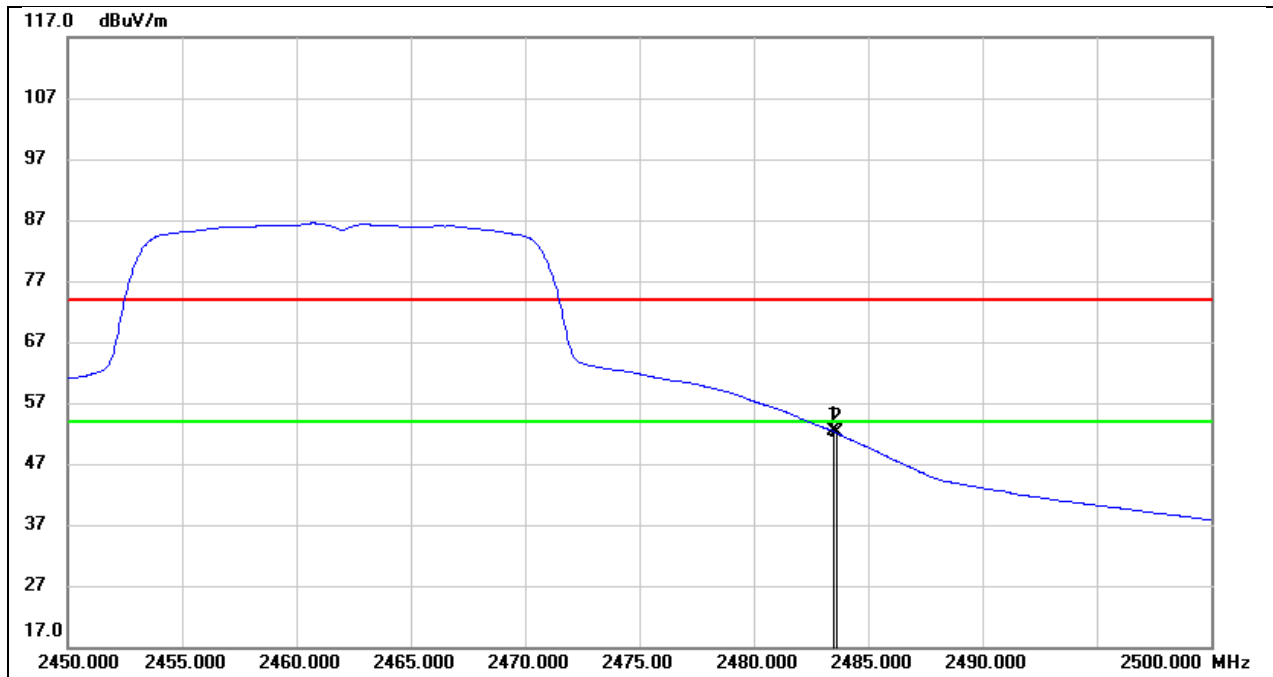
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	17.92	31.69	49.61	54.00	-4.39	AVG

Test Mode:	802.11n HT20 PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



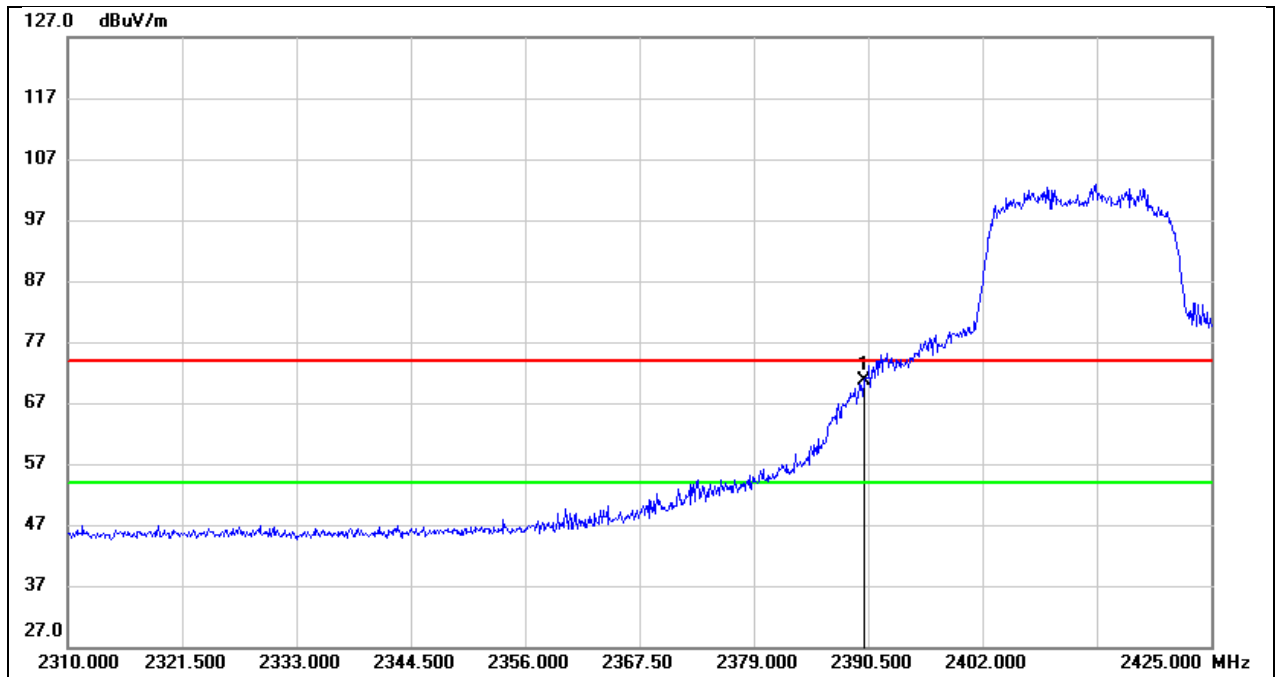
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	39.42	31.99	71.41	74.00	-2.59	peak
2	2483.600	40.35	31.99	72.34	74.00	-1.66	peak

Test Mode:	802.11n HT20 AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



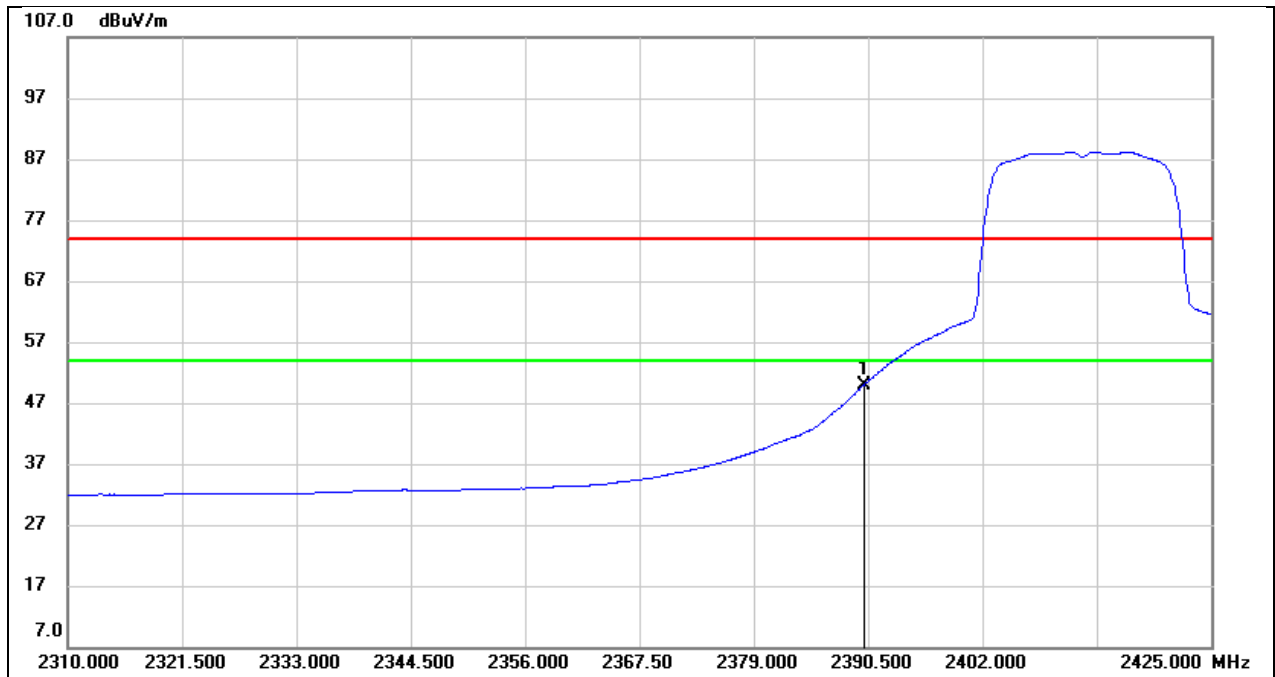
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	20.33	31.99	52.32	54.00	-1.68	AVG
2	2483.600	20.07	31.99	52.06	54.00	-1.94	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



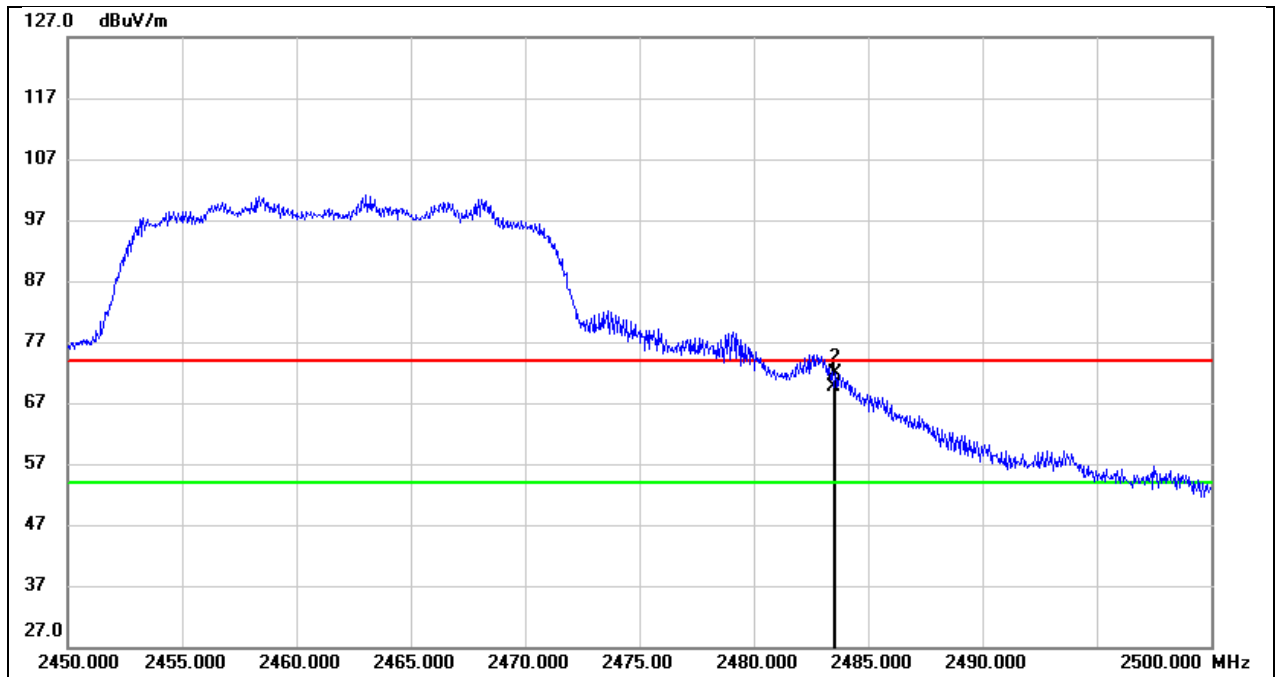
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	38.88	31.69	70.57	74.00	-3.43	peak

Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



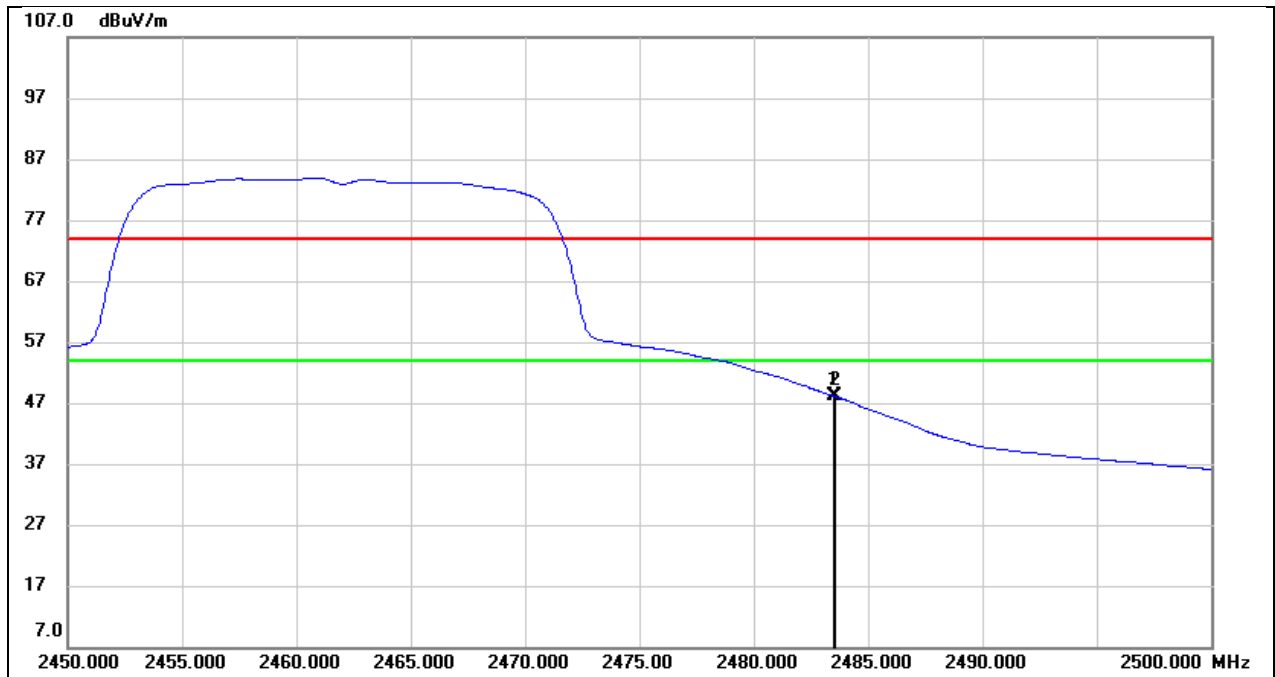
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	18.28	31.69	49.97	54.00	-4.03	AVG

Test Mode:	802.11ax HE20 PK	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	37.56	31.99	69.55	74.00	-4.45	peak
2	2483.550	39.95	31.99	71.94	74.00	-2.06	peak

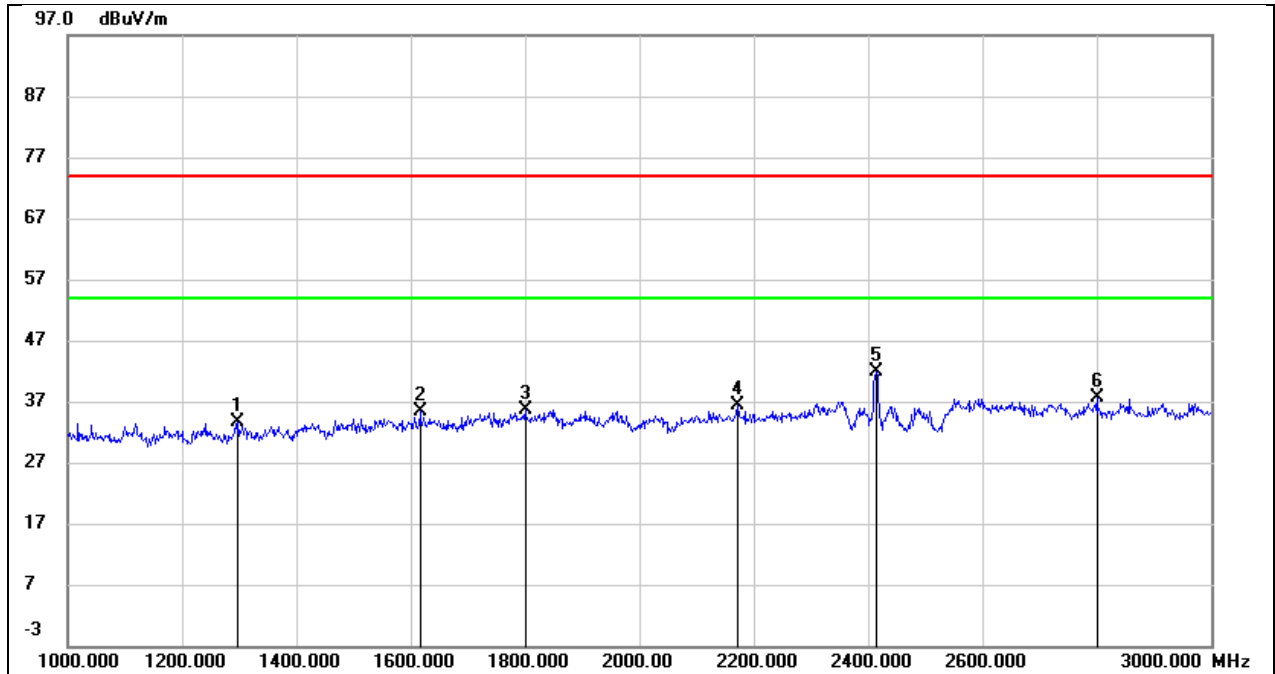
Test Mode:	802.11ax HE20 AV	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.15	31.99	48.14	54.00	-5.86	AVG
2	2483.550	16.14	31.99	48.13	54.00	-5.87	AVG

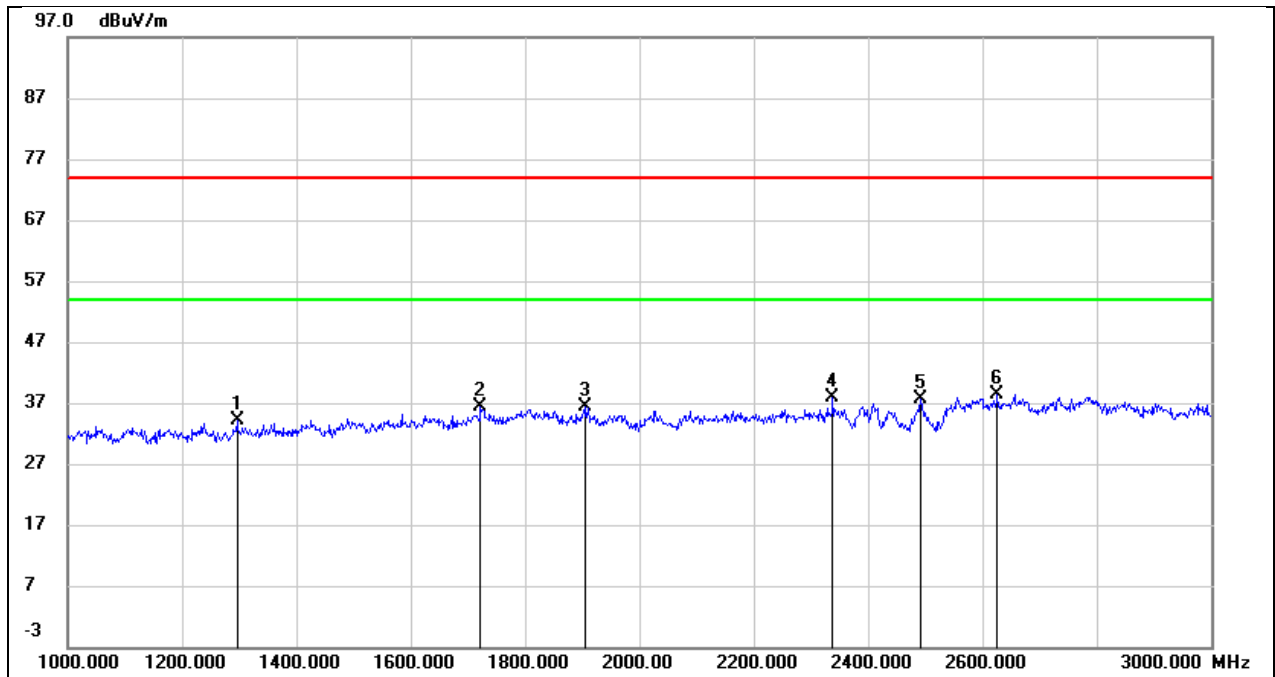
8.8. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



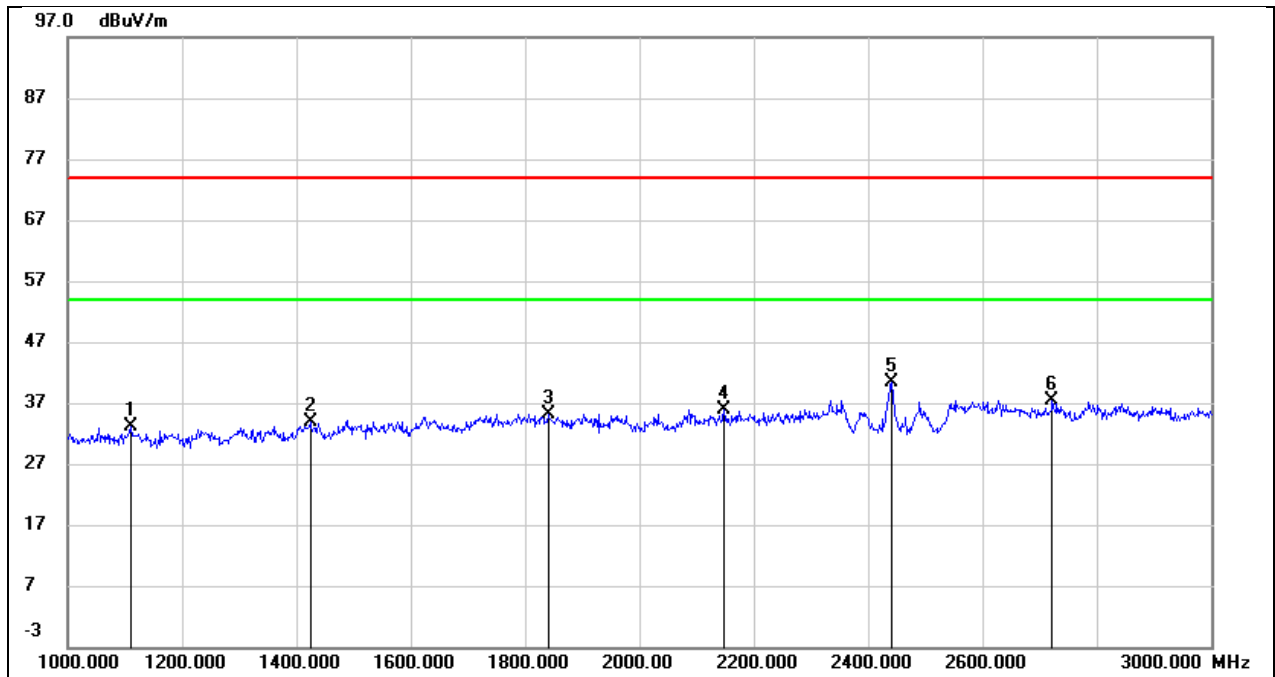
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1298.000	46.64	-12.94	33.70	74.00	-40.30	peak
2	1616.000	46.66	-11.31	35.35	74.00	-38.65	peak
3	1800.000	45.61	-10.08	35.53	74.00	-38.47	peak
4	2172.000	45.98	-9.58	36.40	74.00	-37.60	peak
5	2412.000	50.35	-8.57	41.78	/	/	Fundamental
6	2800.000	44.59	-7.04	37.55	74.00	-36.45	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



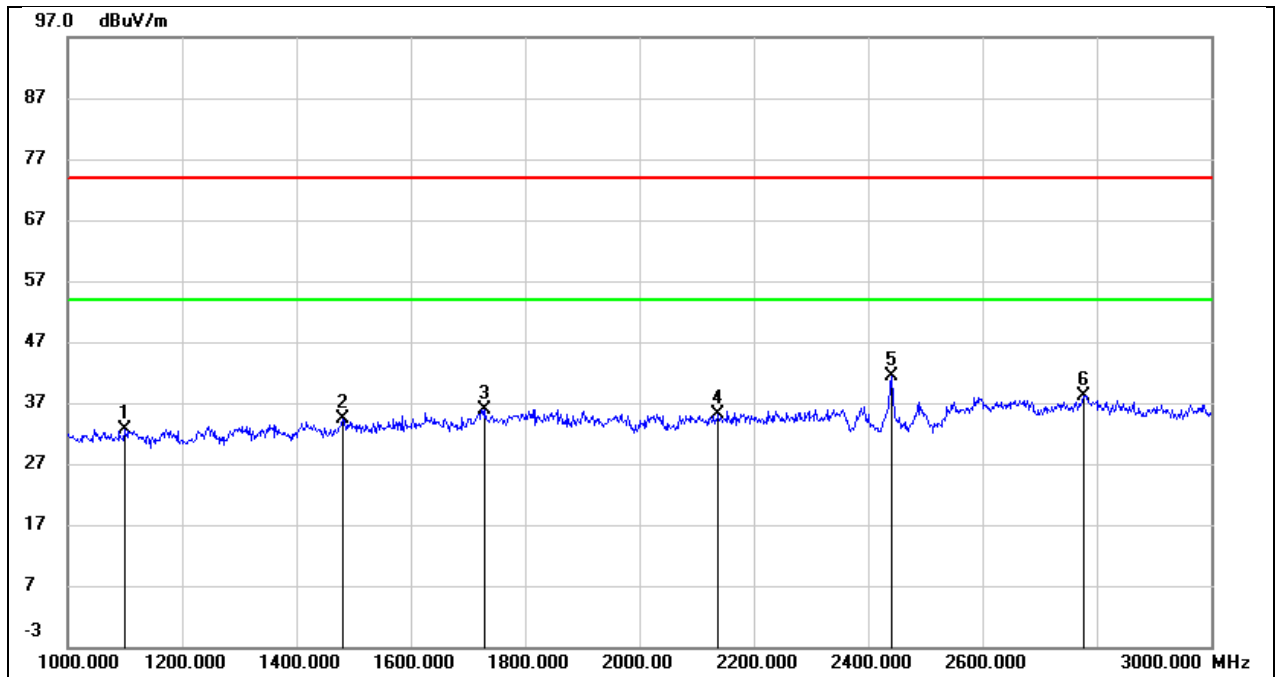
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1296.000	46.98	-12.94	34.04	74.00	-39.96	peak
2	1722.000	46.95	-10.61	36.34	74.00	-37.66	peak
3	1904.000	46.45	-10.19	36.26	74.00	-37.74	peak
4	2338.000	46.75	-8.89	37.86	74.00	-36.14	peak
5	2492.000	45.84	-8.24	37.60	74.00	-36.40	peak
6	2626.000	45.97	-7.69	38.28	74.00	-35.72	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



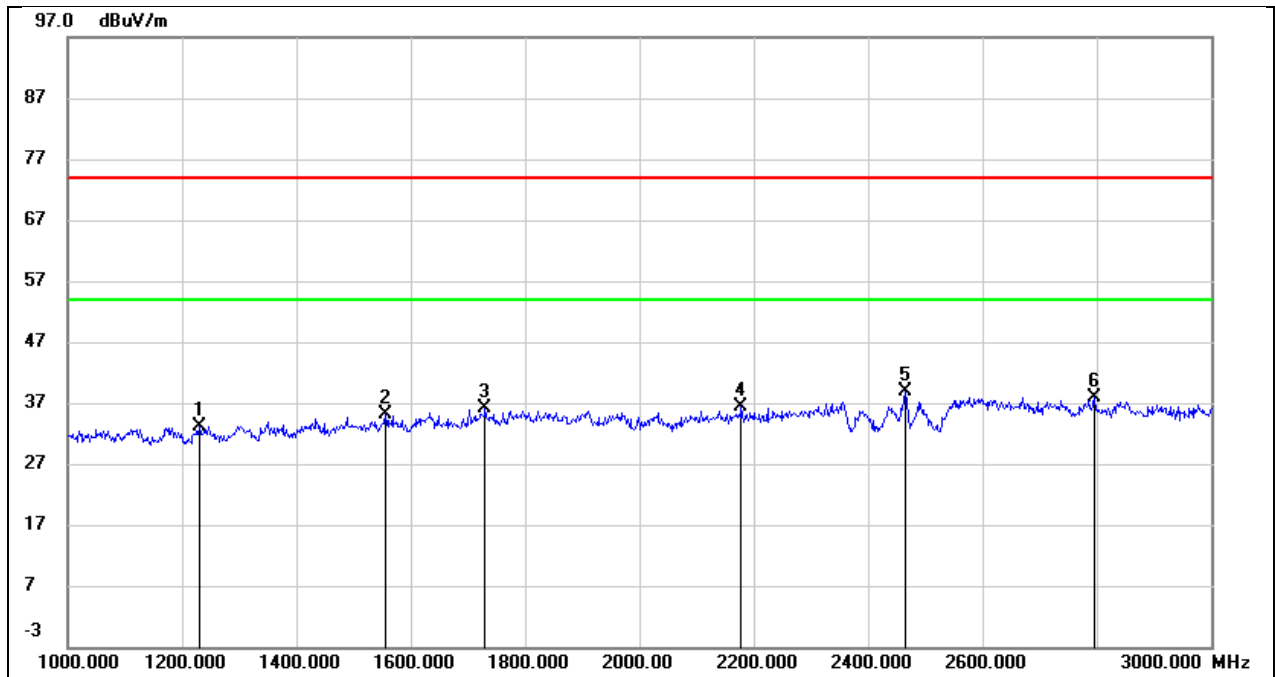
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1110.000	47.06	-13.83	33.23	74.00	-40.77	peak
2	1424.000	46.10	-12.31	33.79	74.00	-40.21	peak
3	1840.000	45.29	-10.12	35.17	74.00	-38.83	peak
4	2148.000	45.58	-9.67	35.91	74.00	-38.09	peak
5	2437.000	48.87	-8.46	40.41	/	/	Fundamental
6	2722.000	44.82	-7.34	37.48	74.00	-36.52	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



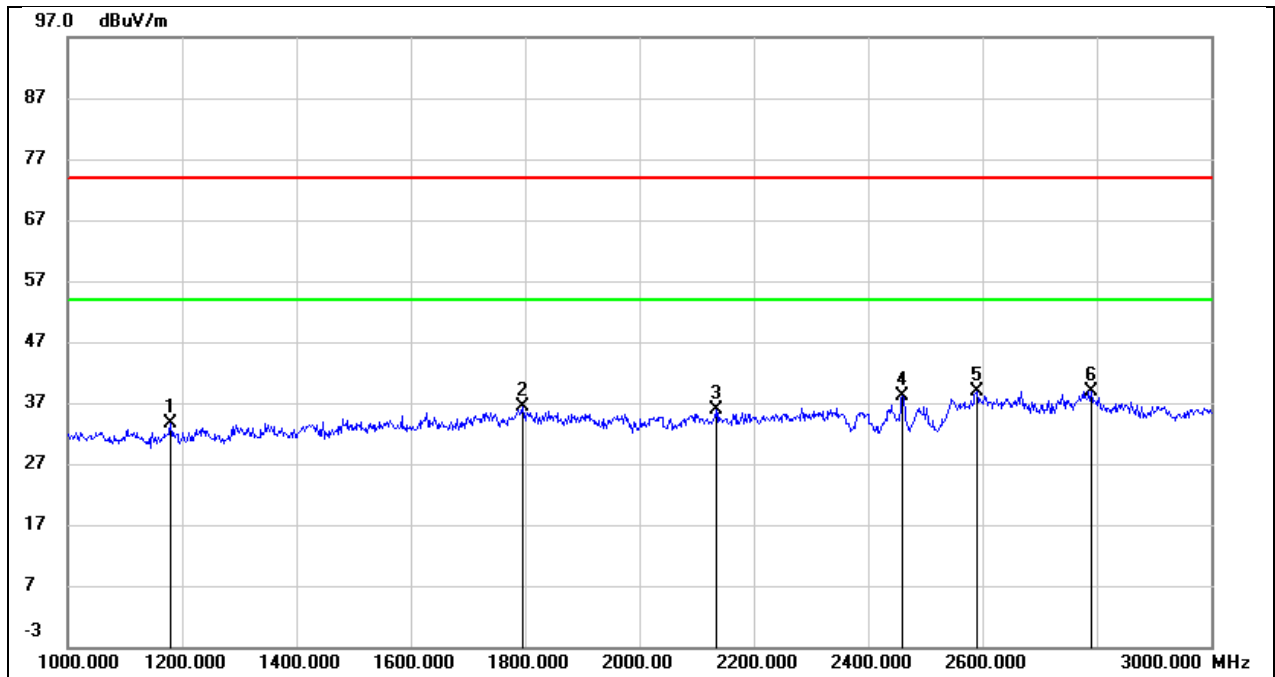
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1100.000	46.57	-13.88	32.69	74.00	-41.31	peak
2	1480.000	46.26	-11.99	34.27	74.00	-39.73	peak
3	1730.000	46.53	-10.55	35.98	74.00	-38.02	peak
4	2138.000	44.90	-9.72	35.18	74.00	-38.82	peak
5	2437.000	49.75	-8.46	41.29	/	/	Fundamental
6	2778.000	45.31	-7.12	38.19	74.00	-35.81	peak

Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1230.000	46.49	-13.26	33.23	74.00	-40.77	peak
2	1556.000	46.63	-11.62	35.01	74.00	-38.99	peak
3	1730.000	46.64	-10.55	36.09	74.00	-37.91	peak
4	2178.000	45.93	-9.55	36.38	74.00	-37.62	peak
5	2462.000	47.30	-8.35	38.95	/	/	Fundamental
6	2796.000	44.95	-7.05	37.90	74.00	-36.10	peak

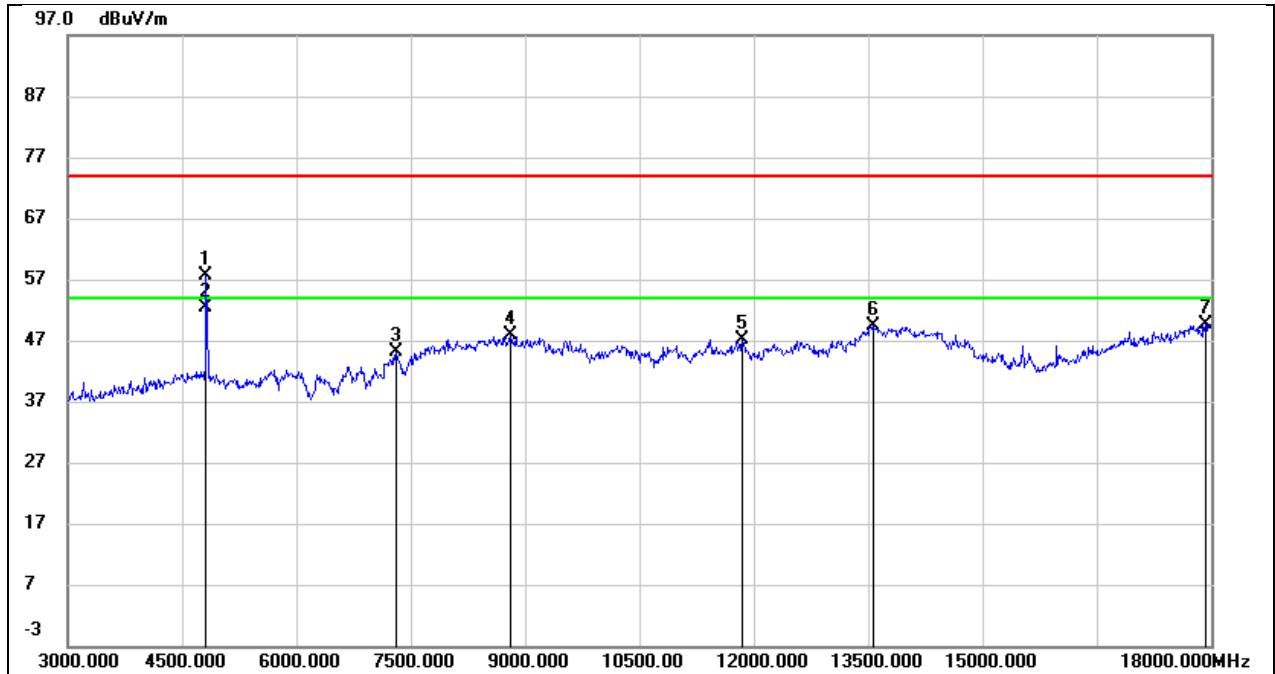
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1180.000	47.16	-13.50	33.66	74.00	-40.34	peak
2	1796.000	46.42	-10.11	36.31	74.00	-37.69	peak
3	2134.000	45.61	-9.74	35.87	74.00	-38.13	peak
4	2462.000	46.52	-8.38	38.14	/	/	Fundamental
5	2590.000	46.76	-7.84	38.92	74.00	-35.08	peak
6	2790.000	45.96	-7.08	38.88	74.00	-35.12	peak

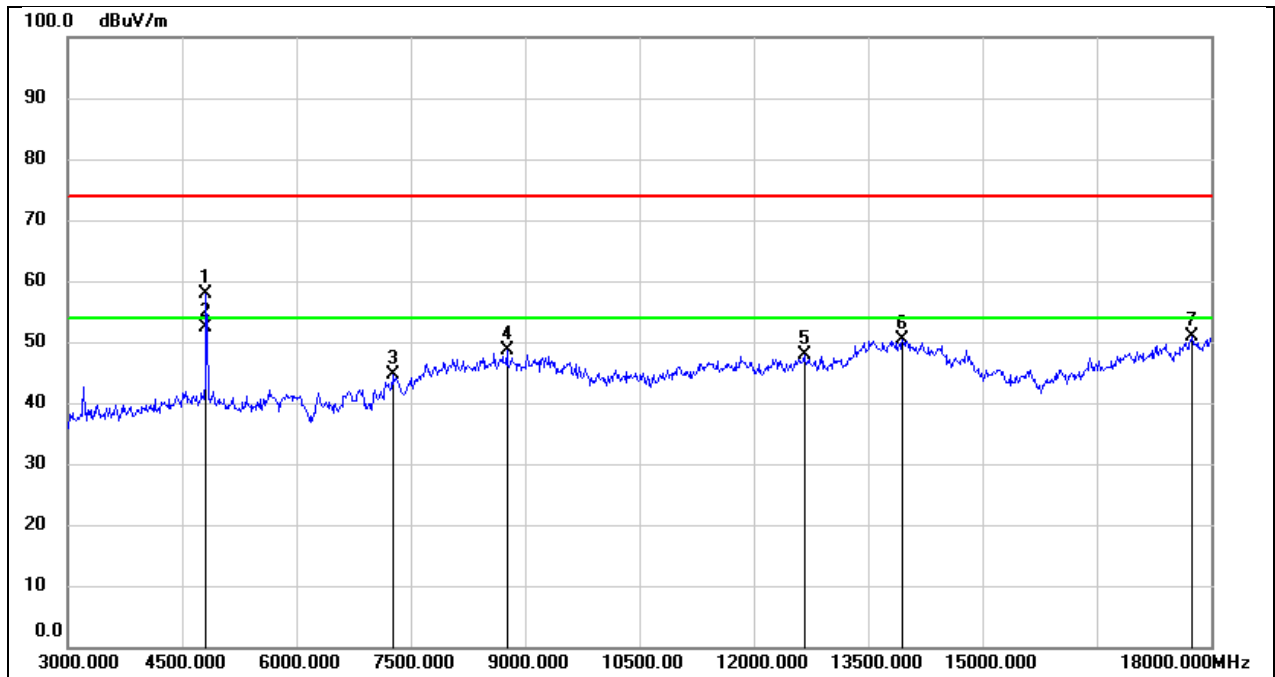
8.9. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



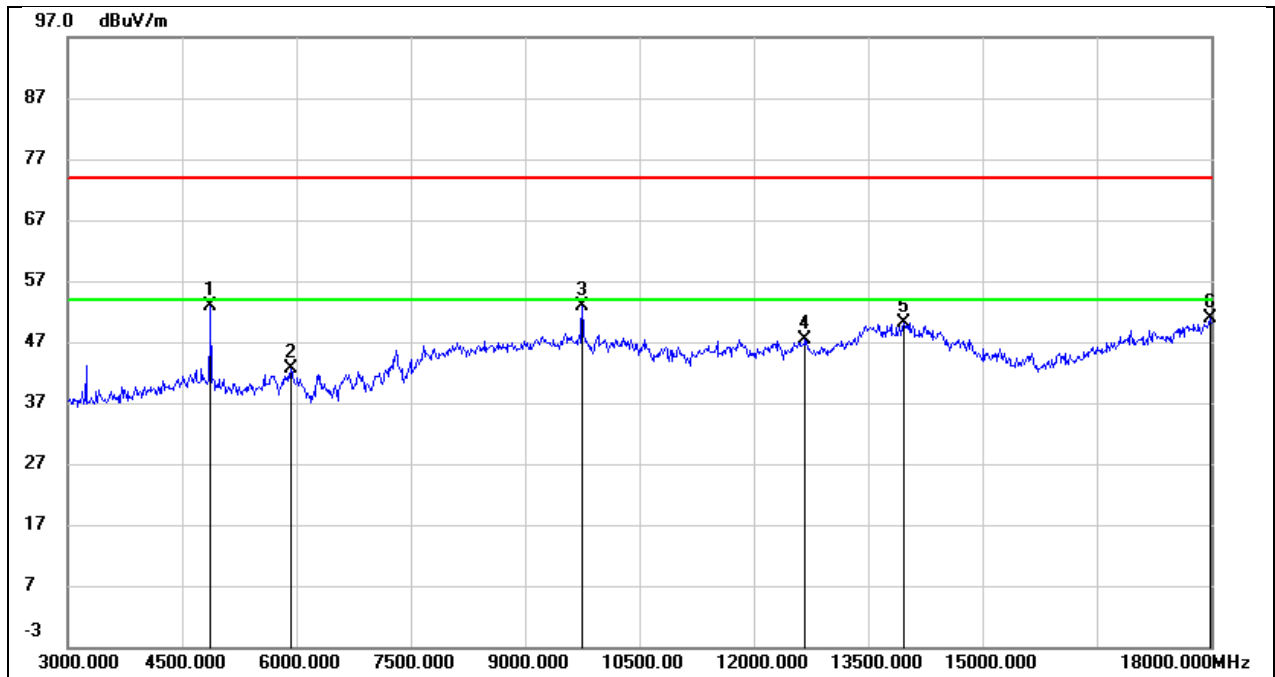
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	56.91	0.60	57.51	74.00	-16.49	peak
2	4815.000	51.67	0.60	52.27	54.00	-1.73	AVG
3	7305.000	38.33	6.88	45.21	74.00	-28.79	peak
4	8805.000	38.25	9.51	47.76	74.00	-26.24	peak
5	11850.000	28.58	18.53	47.11	74.00	-26.89	peak
6	13560.000	26.37	22.94	49.31	74.00	-24.69	peak
7	17925.000	21.75	27.87	49.62	74.00	-24.38	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



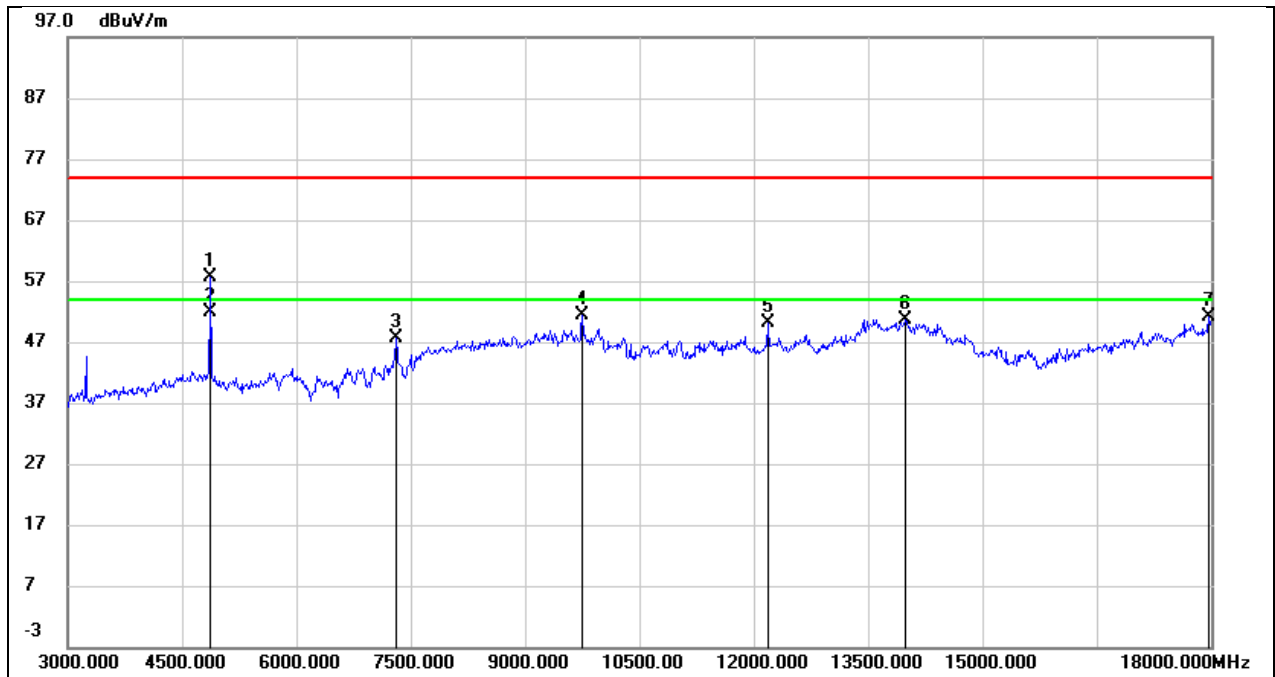
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	57.39	0.60	57.99	74.00	-16.01	peak
2	4815.000	51.72	0.60	52.32	54.00	-1.68	AVG
3	7260.000	37.68	6.87	44.55	74.00	-29.45	peak
4	8760.000	39.24	9.46	48.70	74.00	-25.30	peak
5	12660.000	28.07	19.80	47.87	74.00	-26.13	peak
6	13950.000	26.41	23.89	50.30	74.00	-23.70	peak
7	17745.000	24.48	26.46	50.94	74.00	-23.06	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



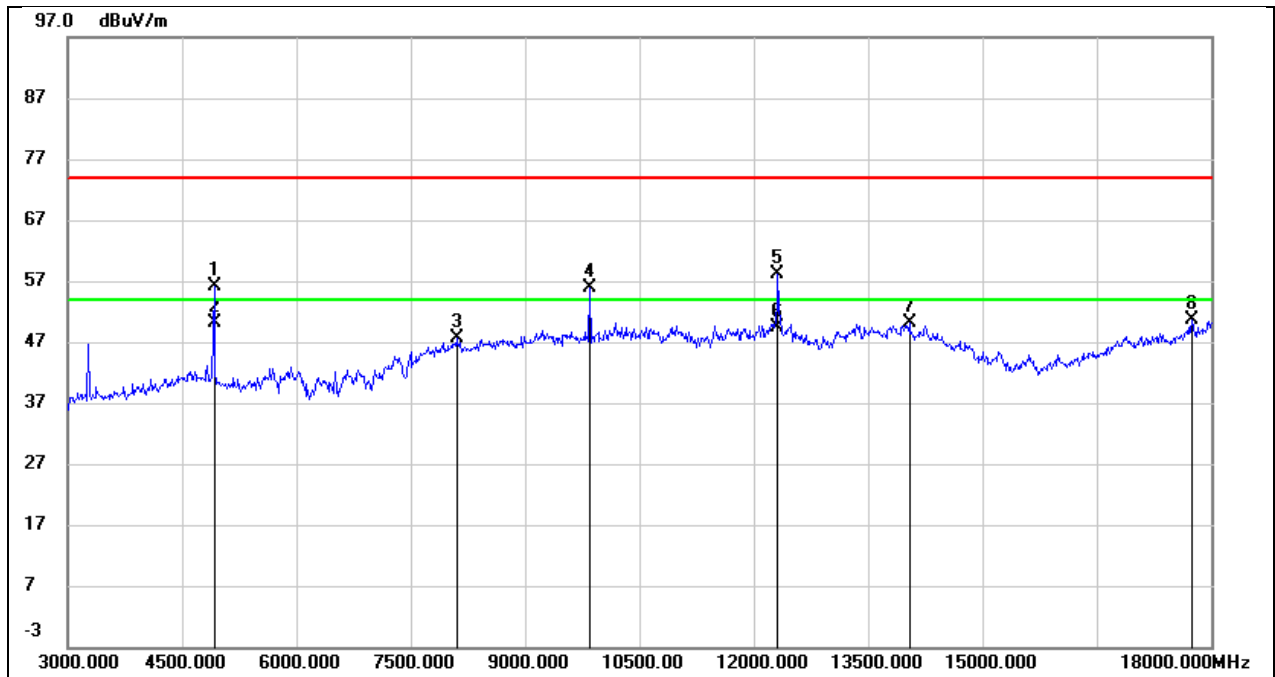
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	52.16	0.75	52.91	74.00	-21.09	peak
2	5925.000	39.90	2.80	42.70	74.00	-31.30	peak
3	9750.000	39.90	13.03	52.93	74.00	-21.07	peak
4	12675.000	27.59	19.83	47.42	74.00	-26.58	peak
5	13965.000	26.14	23.96	50.10	74.00	-23.90	peak
6	17985.000	22.54	28.41	50.95	74.00	-23.05	peak

Test Mode:	802.11b	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	56.97	0.75	57.72	74.00	-16.28	peak
2	4875.000	51.01	0.75	51.76	54.00	-2.24	AVG
3	7305.000	40.70	6.88	47.58	74.00	-26.42	peak
4	9750.000	38.38	13.03	51.41	74.00	-22.59	peak
5	12180.000	31.02	19.09	50.11	74.00	-23.89	peak
6	13980.000	26.72	24.01	50.73	74.00	-23.27	peak
7	17970.000	22.94	28.27	51.21	74.00	-22.79	peak

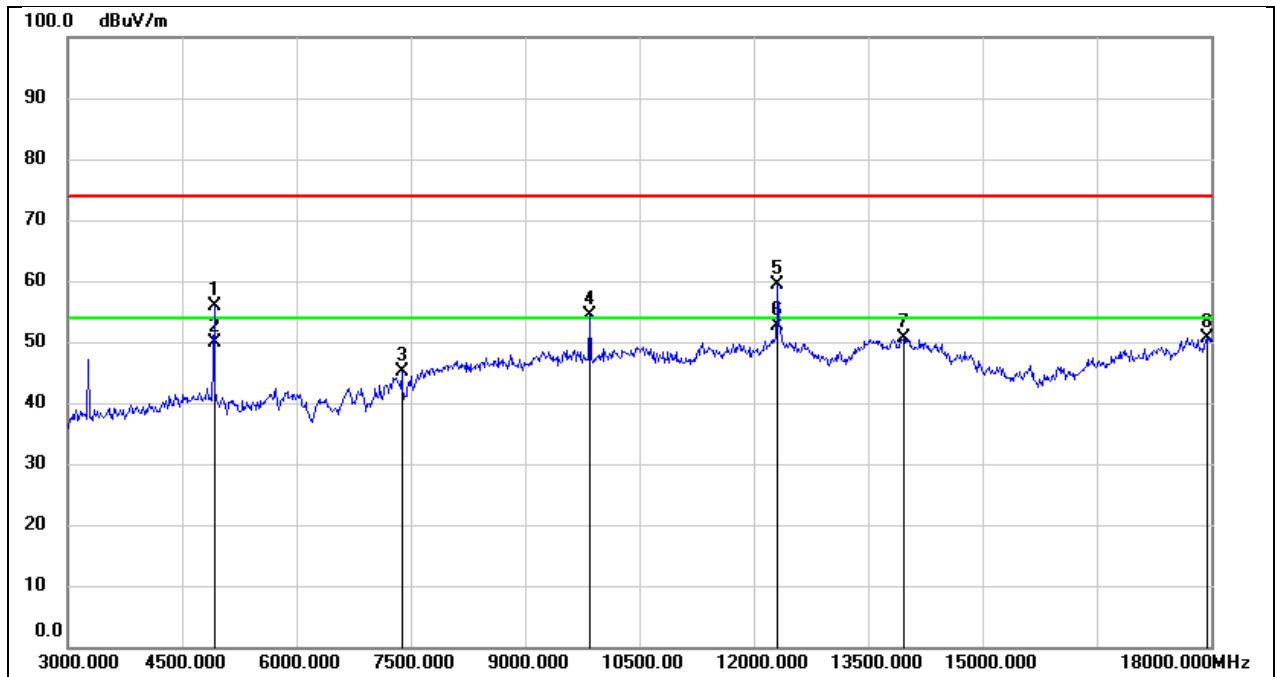
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	55.38	0.86	56.24	74.00	-17.76	peak
2	4920.000	49.35	0.86	50.21	54.00	-3.79	AVG
3	8100.000	39.24	8.37	47.61	74.00	-26.39	peak
4	9840.000	42.69	13.17	55.86	/	/	peak
5	12315.000	38.69	19.41	58.10	74.00	-15.90	peak
6	12315.000	29.87	19.41	49.28	54.00	-4.72	AVG
7	14040.000	26.21	23.97	50.18	74.00	-23.82	peak
8	17745.000	24.17	26.46	50.63	74.00	-23.37	peak

Note: Since Point 4 (9840MHz) is out of restricted bands, there is no peak or average limit for Point 4.

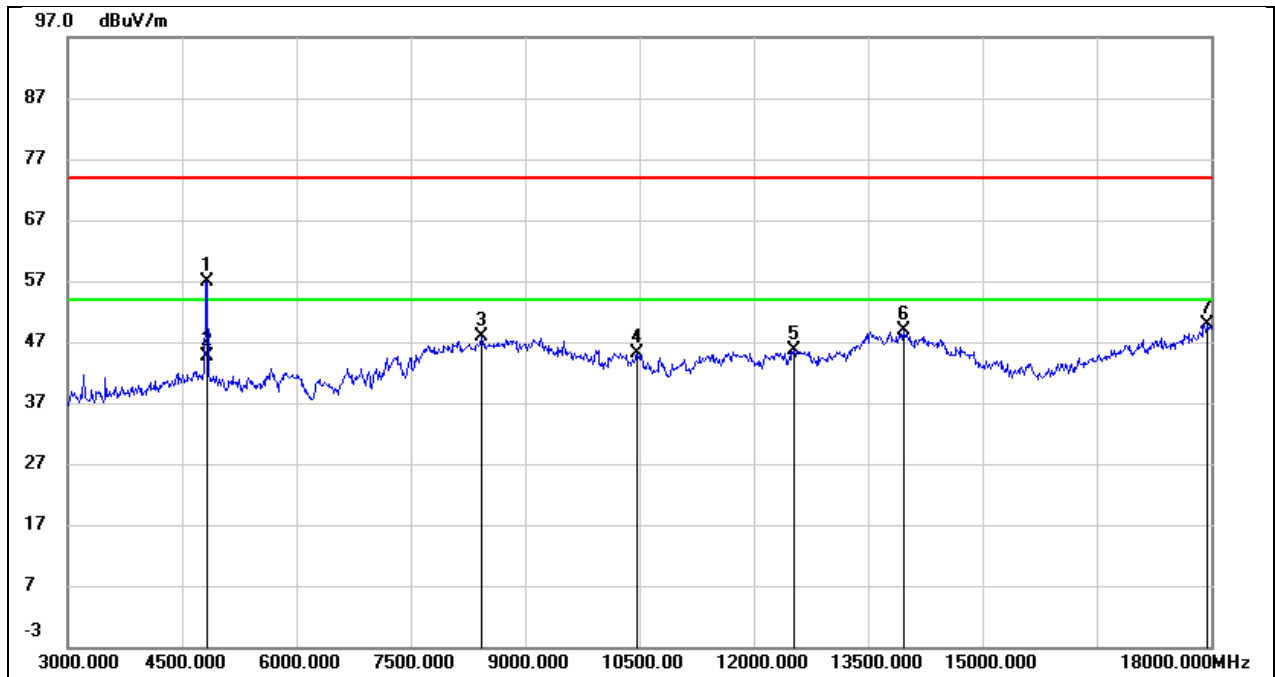
Test Mode:	802.11b	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	54.97	0.86	55.83	74.00	-18.17	peak
2	4920.000	49.02	0.86	49.88	54.00	-4.12	AVG
3	7380.000	38.19	6.93	45.12	74.00	-28.88	peak
4	9855.000	41.21	13.18	54.39	/	/	peak
5	12315.000	39.93	19.41	59.34	74.00	-14.66	peak
6	12315.000	33.10	19.41	52.51	54.00	-1.49	AVG
7	13965.000	26.74	23.96	50.70	74.00	-23.30	peak
8	17940.000	22.64	28.02	50.66	74.00	-23.34	peak

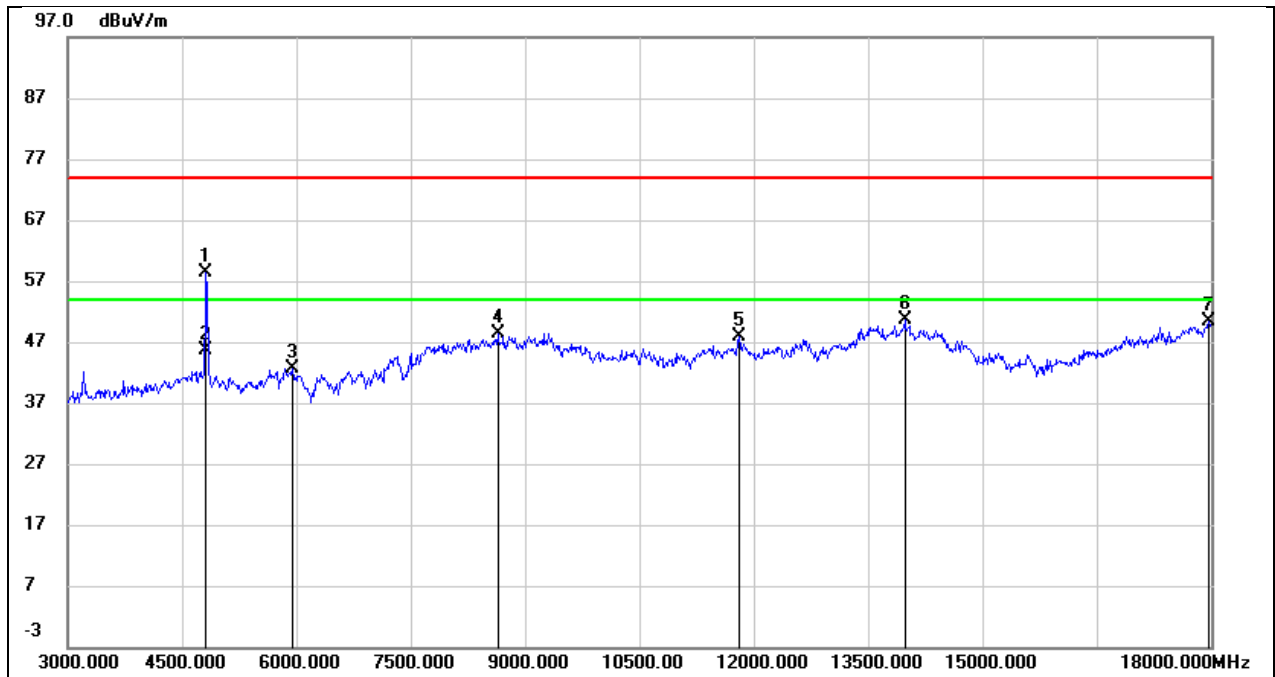
Note: Since Point 4 (9855MHz) is out of restricted bands, there is no peak or average limit for Point 4.

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



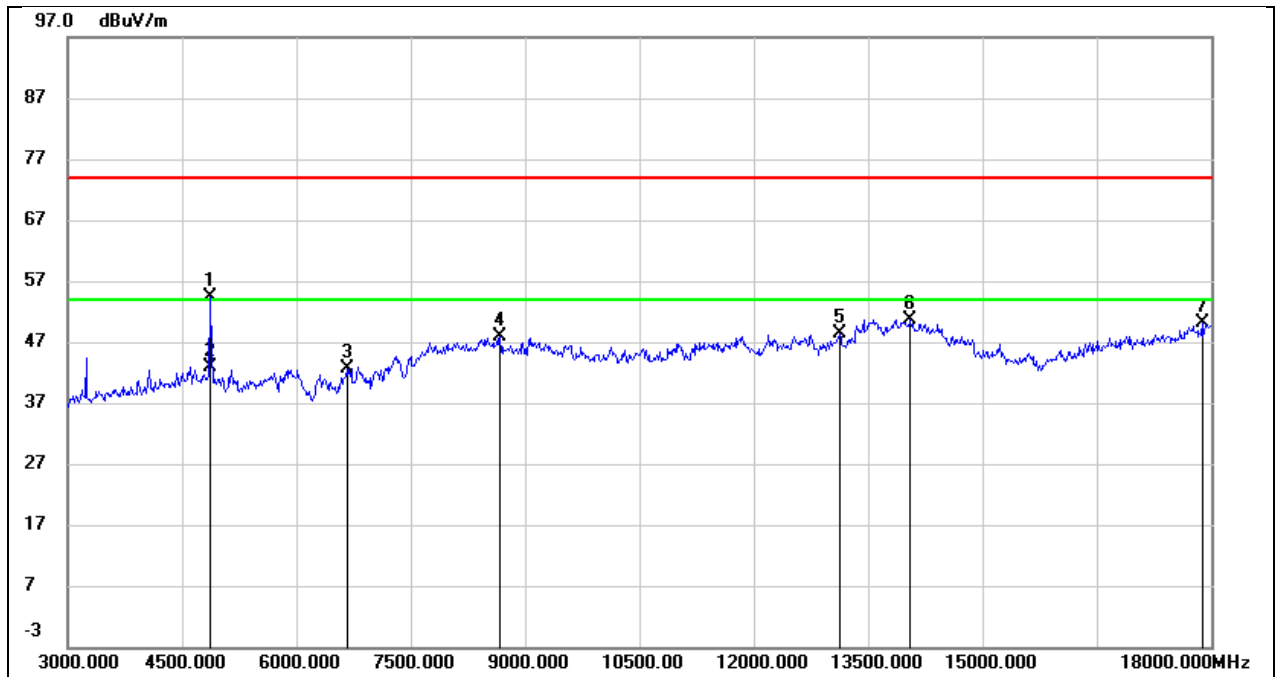
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4830.000	56.35	0.64	56.99	74.00	-17.01	peak
2	4830.000	44.04	0.64	44.68	54.00	-9.32	AVG
3	8430.000	38.86	8.94	47.80	74.00	-26.20	peak
4	10470.000	31.01	14.11	45.12	74.00	-28.88	peak
5	12525.000	25.91	19.69	45.60	74.00	-28.40	peak
6	13965.000	24.82	23.96	48.78	74.00	-25.22	peak
7	17940.000	21.96	28.02	49.98	74.00	-24.02	peak

Test Mode:	802.11g	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



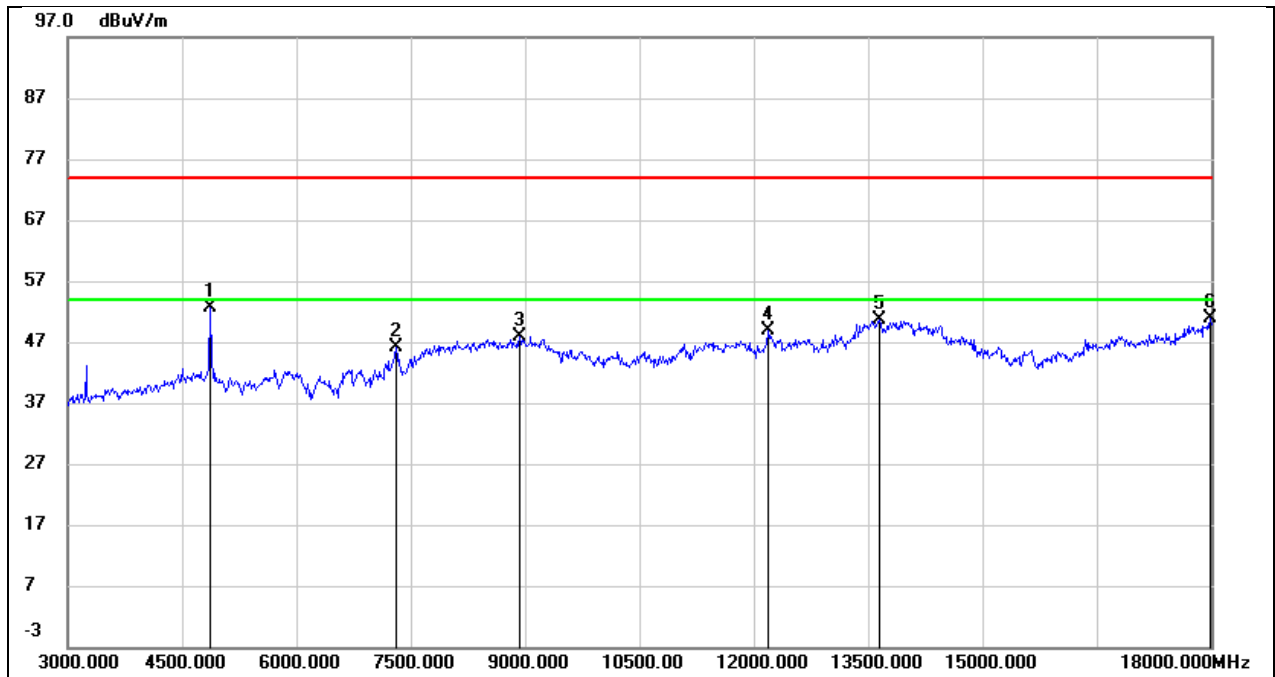
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	57.67	0.60	58.27	74.00	-15.73	peak
2	4815.000	44.92	0.60	45.52	54.00	-8.48	AVG
3	5955.000	39.75	2.85	42.60	74.00	-31.40	peak
4	8640.000	39.10	9.33	48.43	74.00	-25.57	peak
5	11805.000	29.47	18.45	47.92	74.00	-26.08	peak
6	13980.000	26.61	24.01	50.62	74.00	-23.38	peak
7	17970.000	22.08	28.27	50.35	74.00	-23.65	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



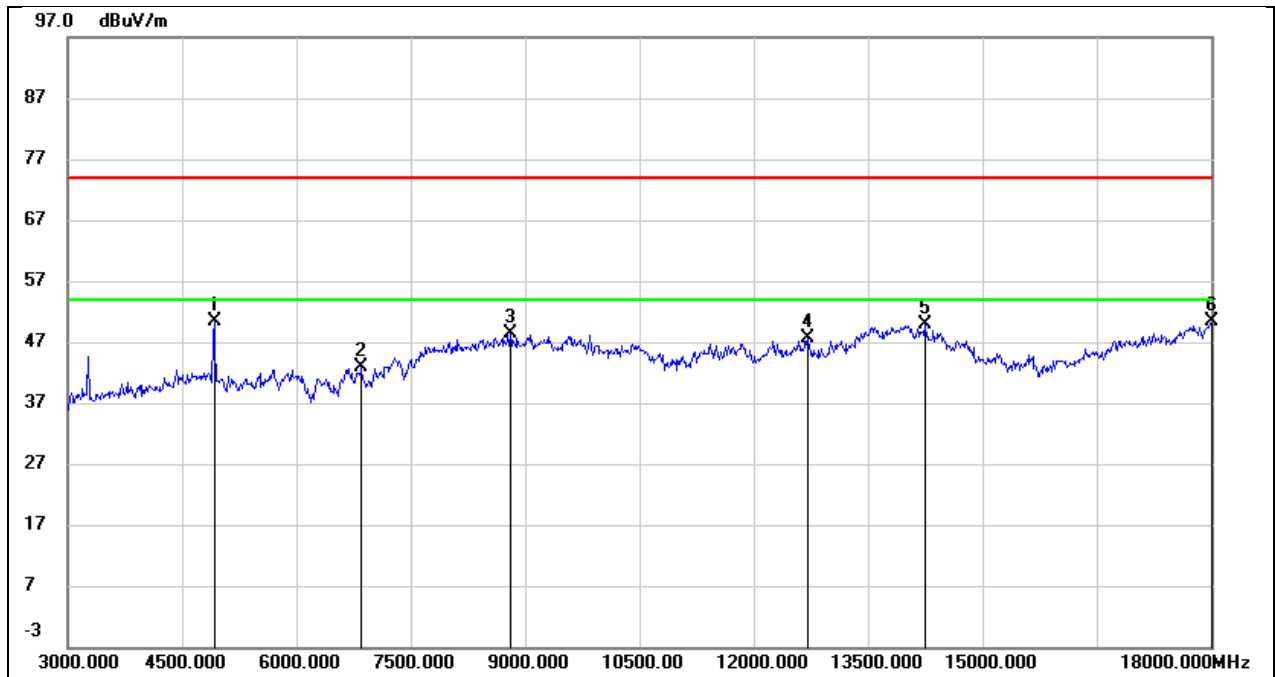
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	53.66	0.75	54.41	74.00	-19.59	peak
2	4875.000	42.12	0.75	42.87	54.00	-11.13	AVG
3	6660.000	37.29	5.34	42.63	74.00	-31.37	peak
4	8670.000	38.48	9.37	47.85	74.00	-26.15	peak
5	13125.000	27.24	21.21	48.45	74.00	-25.55	peak
6	14055.000	26.73	23.94	50.67	74.00	-23.33	peak
7	17880.000	22.63	27.49	50.12	74.00	-23.88	peak

Test Mode:	802.11g	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



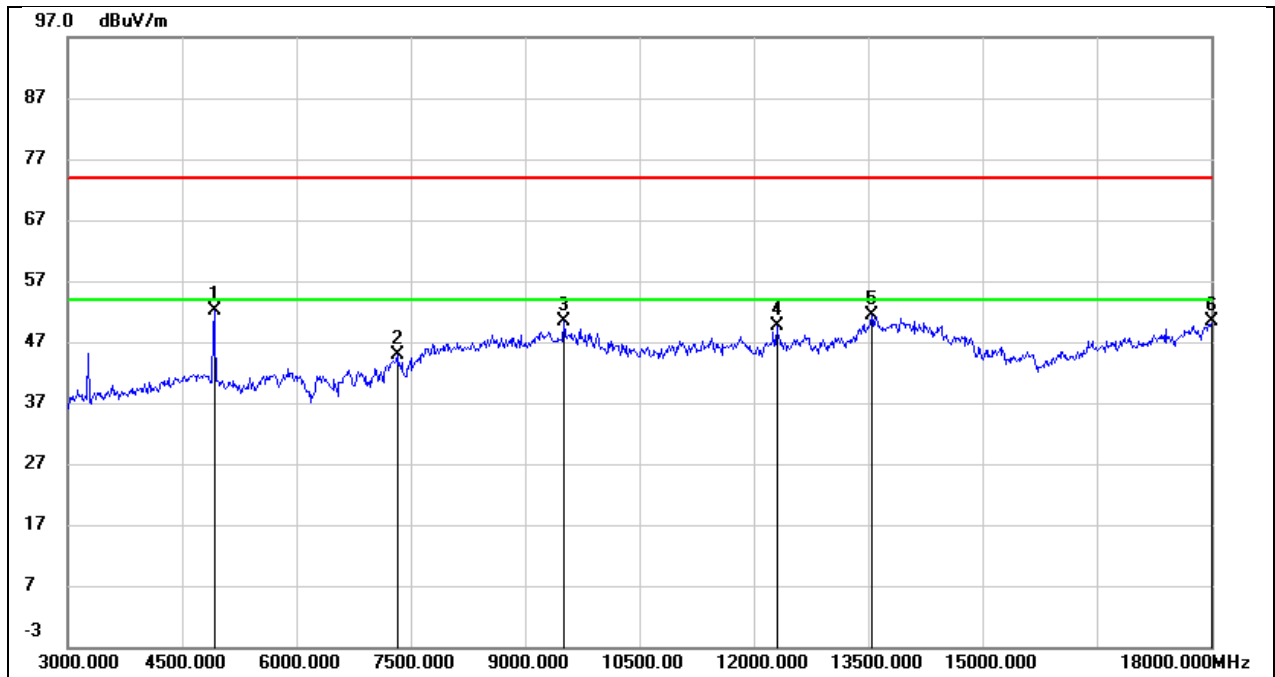
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	51.99	0.72	52.71	74.00	-21.29	peak
2	7305.000	39.30	6.88	46.18	74.00	-27.82	peak
3	8925.000	38.00	9.85	47.85	74.00	-26.15	peak
4	12195.000	29.88	19.10	48.98	74.00	-25.02	peak
5	13650.000	27.49	23.06	50.55	74.00	-23.45	peak
6	17985.000	22.39	28.41	50.80	74.00	-23.20	peak

Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



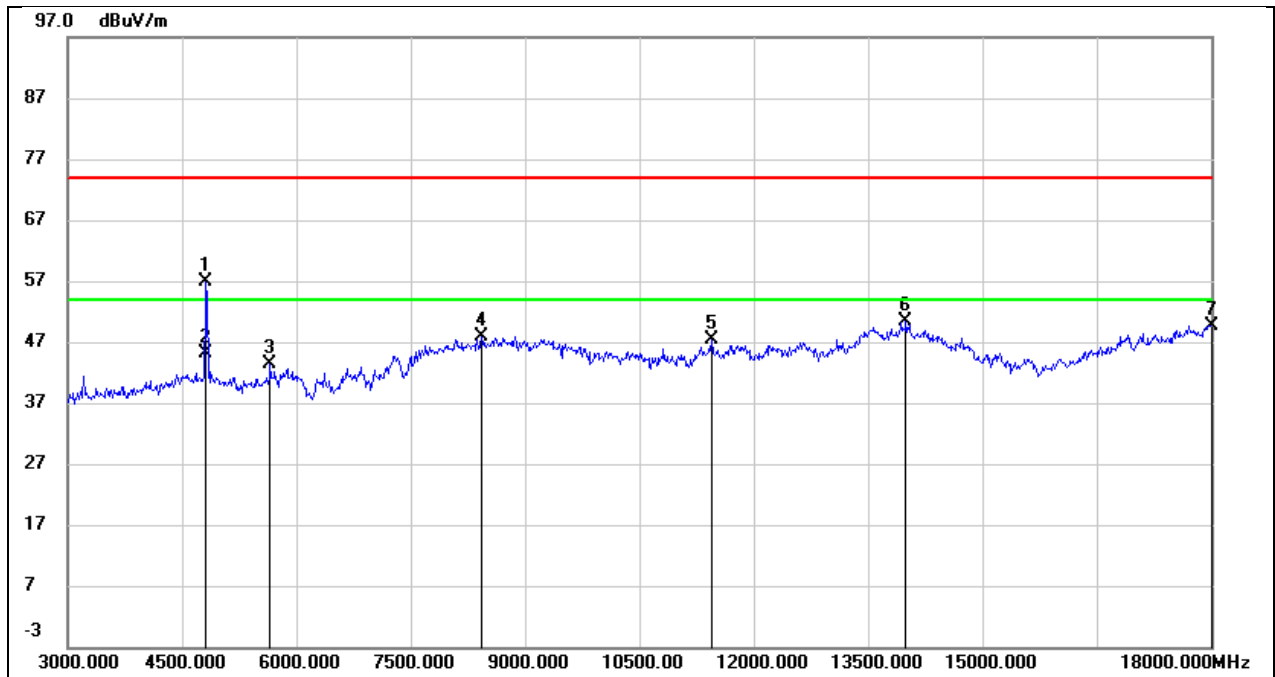
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	49.64	0.86	50.50	74.00	-23.50	peak
2	6855.000	36.86	6.08	42.94	74.00	-31.06	peak
3	8805.000	38.88	9.51	48.39	74.00	-25.61	peak
4	12705.000	27.83	19.88	47.71	74.00	-26.29	peak
5	14250.000	26.66	23.18	49.84	74.00	-24.16	peak
6	18000.000	21.76	28.54	50.30	74.00	-23.70	peak

Test Mode:	802.11g	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



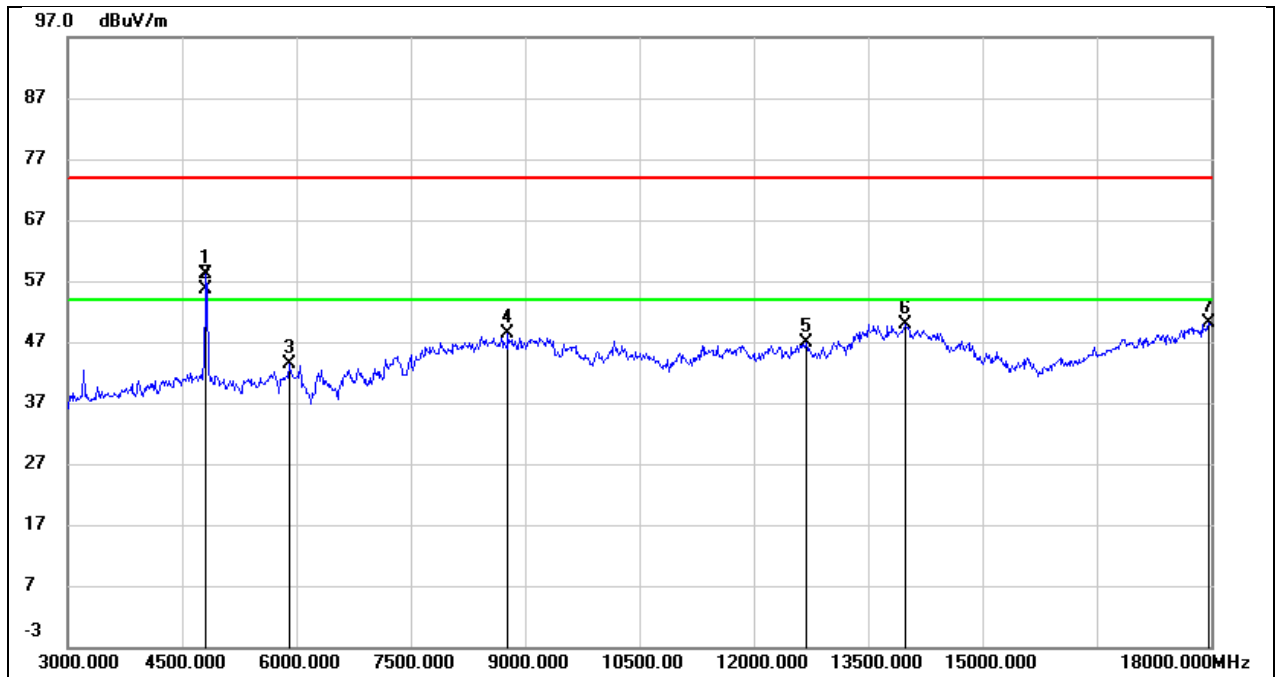
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	51.30	0.86	52.16	74.00	-21.84	peak
2	7320.000	37.88	6.89	44.77	74.00	-29.23	peak
3	9510.000	38.21	12.25	50.46	74.00	-23.54	peak
4	12300.000	30.33	19.37	49.70	74.00	-24.30	peak
5	13545.000	28.41	22.91	51.32	74.00	-22.68	peak
6	18000.000	21.92	28.54	50.46	74.00	-23.54	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



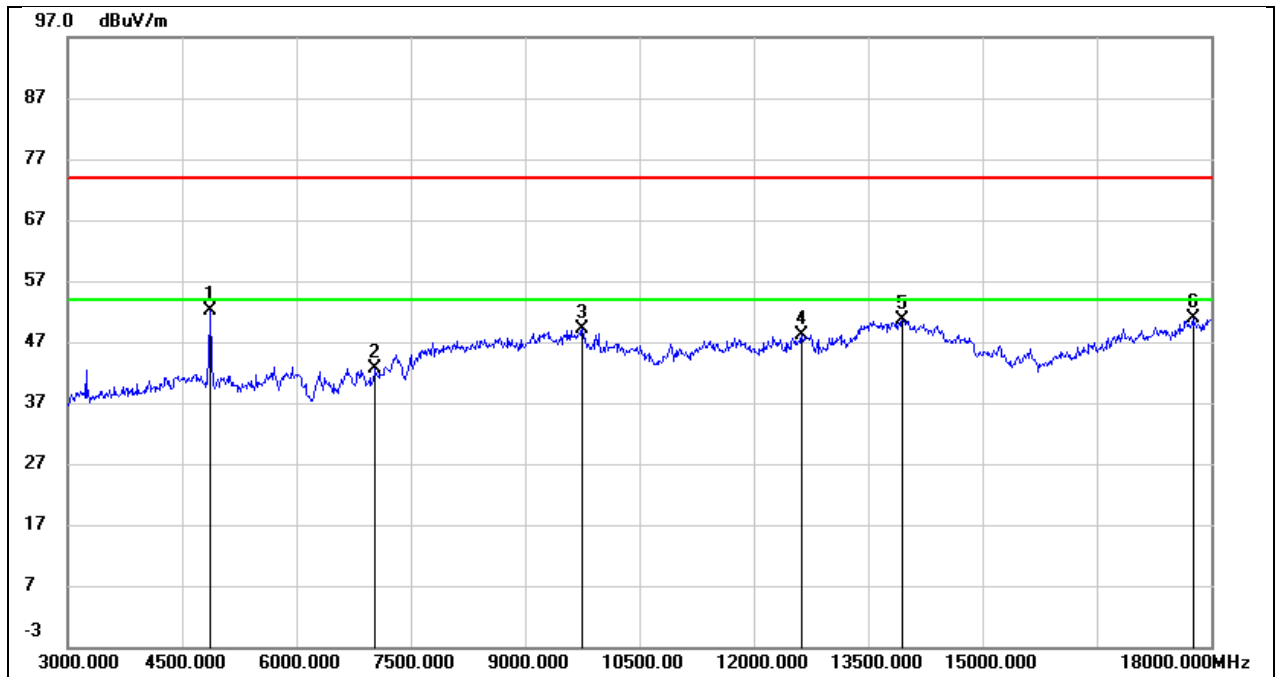
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	56.26	0.60	56.86	74.00	-17.14	peak
2	4815.000	44.56	0.60	45.16	54.00	-8.84	AVG
3	5655.000	41.16	2.31	43.47	74.00	-30.53	peak
4	8430.000	38.99	8.94	47.93	74.00	-26.07	peak
5	11445.000	29.83	17.56	47.39	74.00	-26.61	peak
6	13995.000	26.26	24.08	50.34	74.00	-23.66	peak
7	18000.000	21.19	28.54	49.73	74.00	-24.27	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



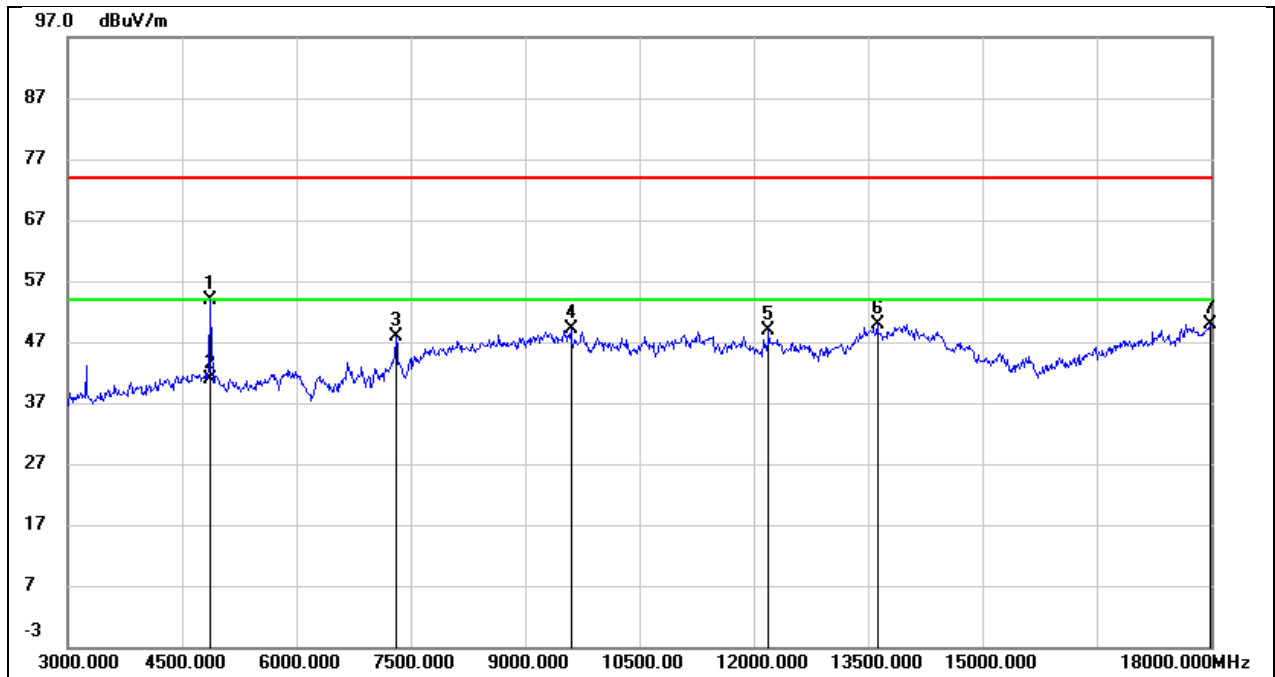
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	57.50	0.60	58.10	74.00	-15.90	peak
2	4815.000	45.04	0.60	45.64	54.00	-8.36	AVG
3	5910.000	40.61	2.77	43.38	74.00	-30.62	peak
4	8775.000	38.86	9.47	48.33	74.00	-25.67	peak
5	12690.000	26.95	19.85	46.80	74.00	-27.20	peak
6	13995.000	25.80	24.08	49.88	74.00	-24.12	peak
7	17970.000	21.87	28.27	50.14	74.00	-23.86	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



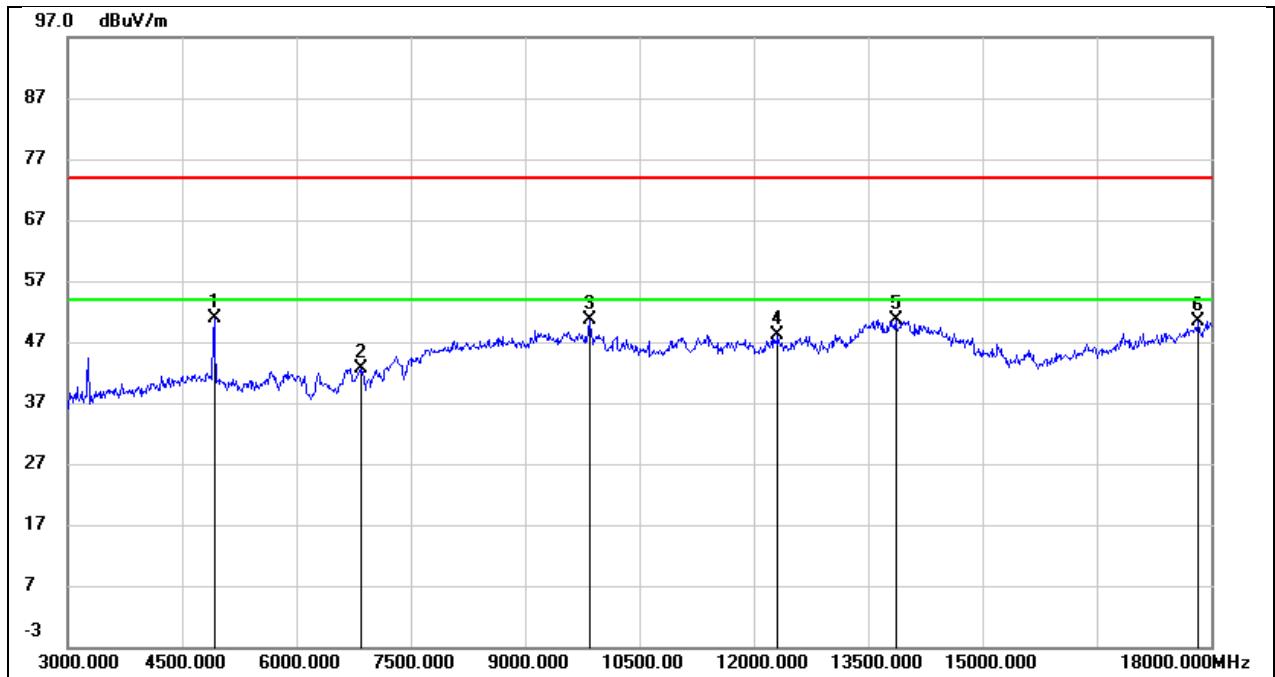
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	51.30	0.75	52.05	74.00	-21.95	peak
2	7035.000	36.17	6.52	42.69	74.00	-31.31	peak
3	9750.000	36.13	13.03	49.16	74.00	-24.84	peak
4	12630.000	28.34	19.75	48.09	74.00	-25.91	peak
5	13950.000	26.76	23.89	50.65	74.00	-23.35	peak
6	17760.000	24.43	26.54	50.97	74.00	-23.03	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



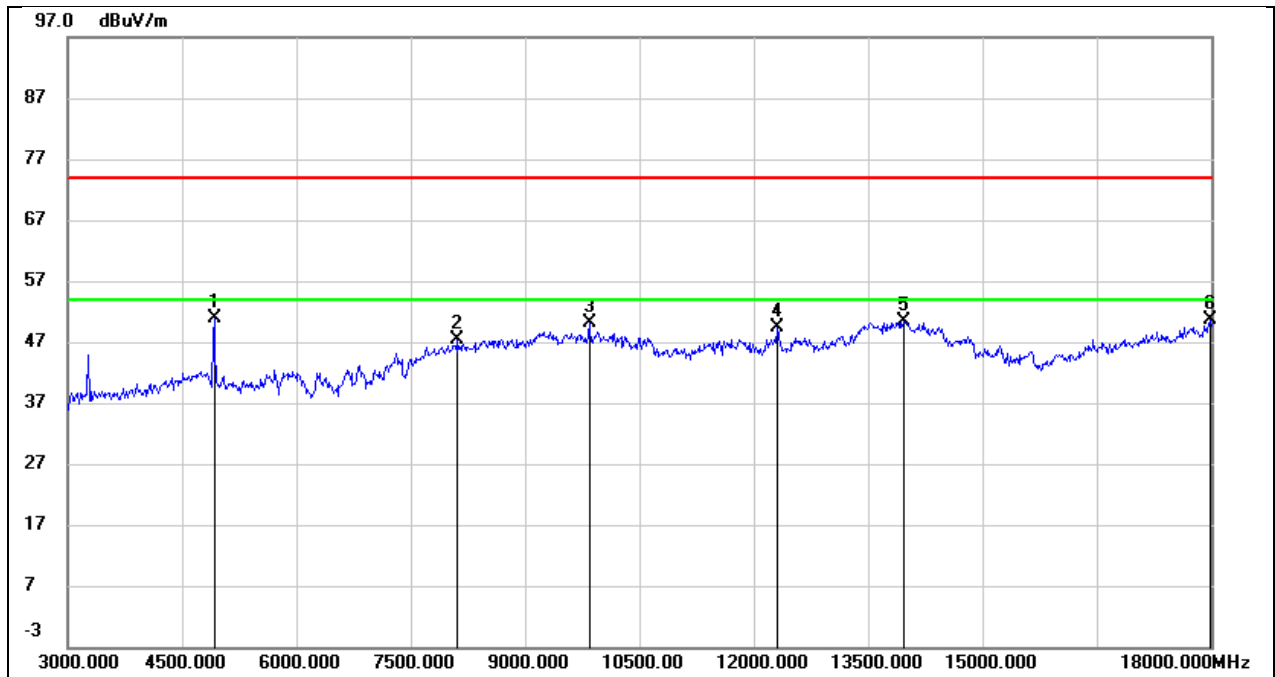
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	53.14	0.72	53.86	74.00	-20.14	peak
2	4860.000	40.07	0.72	40.79	54.00	-13.21	AVG
3	7305.000	40.88	6.88	47.76	74.00	-26.24	peak
4	9600.000	36.42	12.65	49.07	74.00	-24.93	peak
5	12195.000	29.83	19.10	48.93	74.00	-25.07	peak
6	13620.000	26.86	23.03	49.89	74.00	-24.11	peak
7	17985.000	21.45	28.41	49.86	74.00	-24.14	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



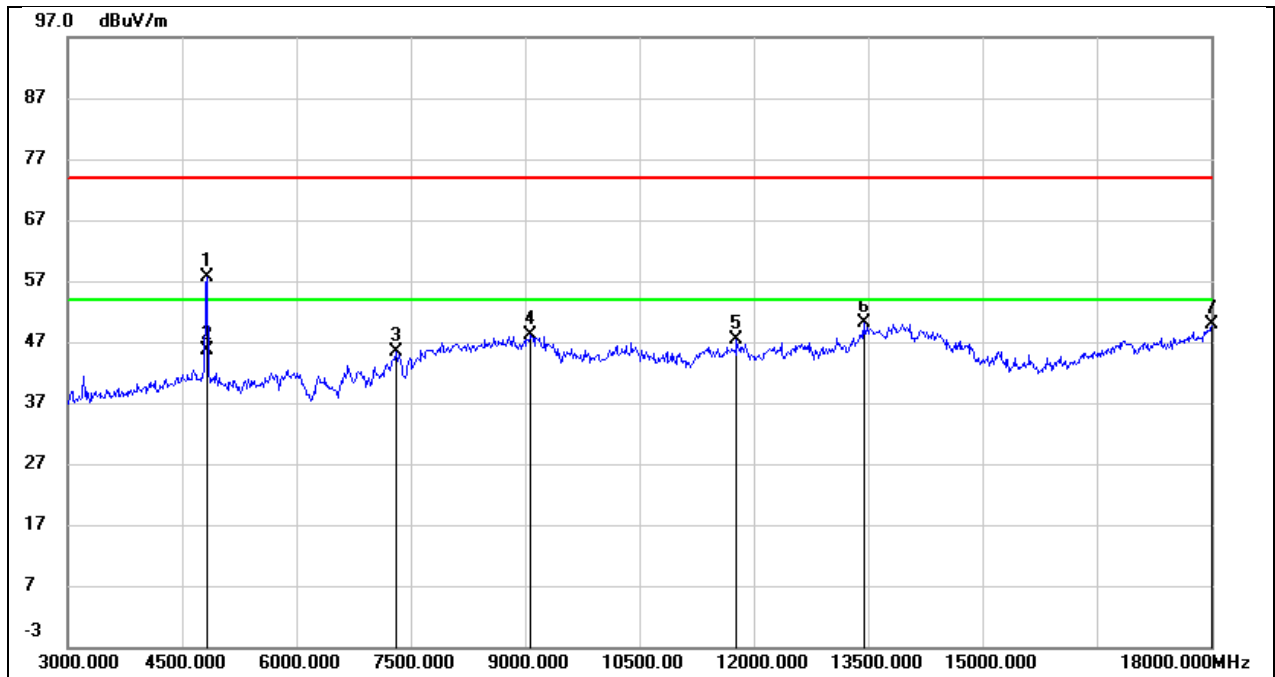
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	49.92	0.86	50.78	74.00	-23.22	peak
2	6840.000	36.62	6.04	42.66	74.00	-31.34	peak
3	9840.000	37.50	13.17	50.67	74.00	-23.33	peak
4	12315.000	28.65	19.41	48.06	74.00	-25.94	peak
5	13860.000	27.03	23.52	50.55	74.00	-23.45	peak
6	17835.000	23.34	27.09	50.43	74.00	-23.57	peak

Test Mode:	802.11n HT20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



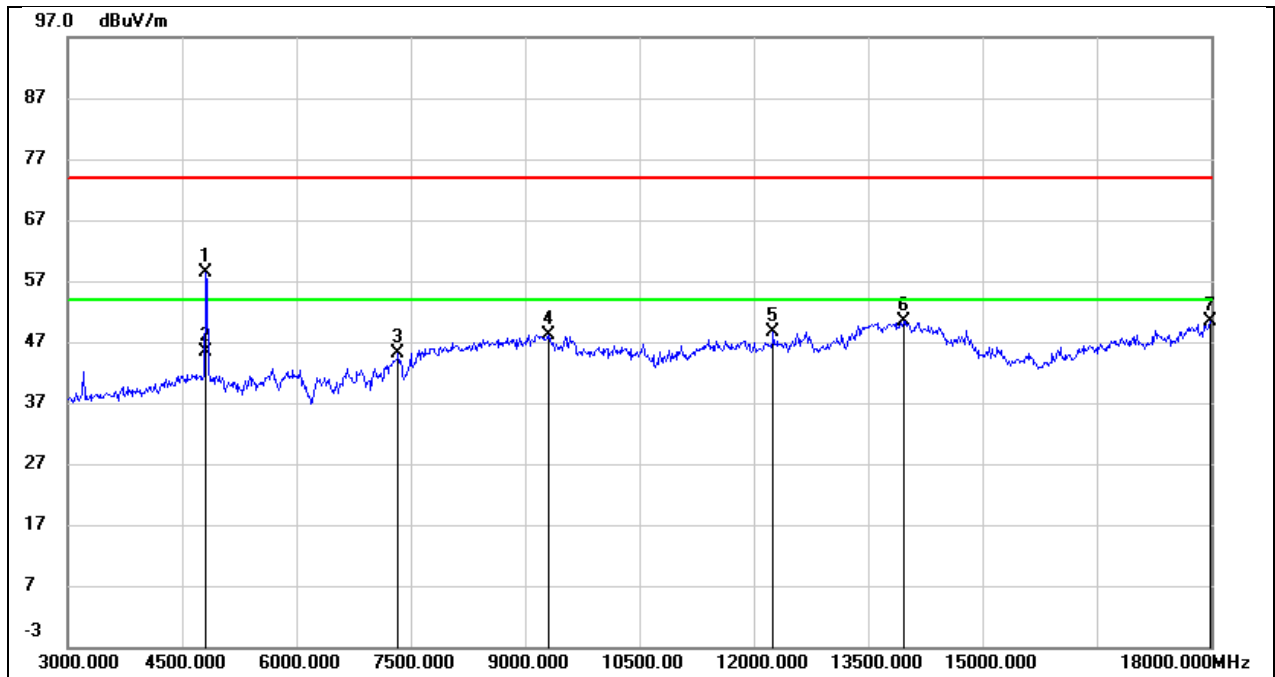
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	50.01	0.86	50.87	74.00	-23.13	peak
2	8115.000	38.96	8.41	47.37	74.00	-26.63	peak
3	9840.000	36.84	13.17	50.01	74.00	-23.99	peak
4	12315.000	30.01	19.41	49.42	74.00	-24.58	peak
5	13965.000	26.36	23.96	50.32	74.00	-23.68	peak
6	17985.000	22.12	28.41	50.53	74.00	-23.47	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 24V



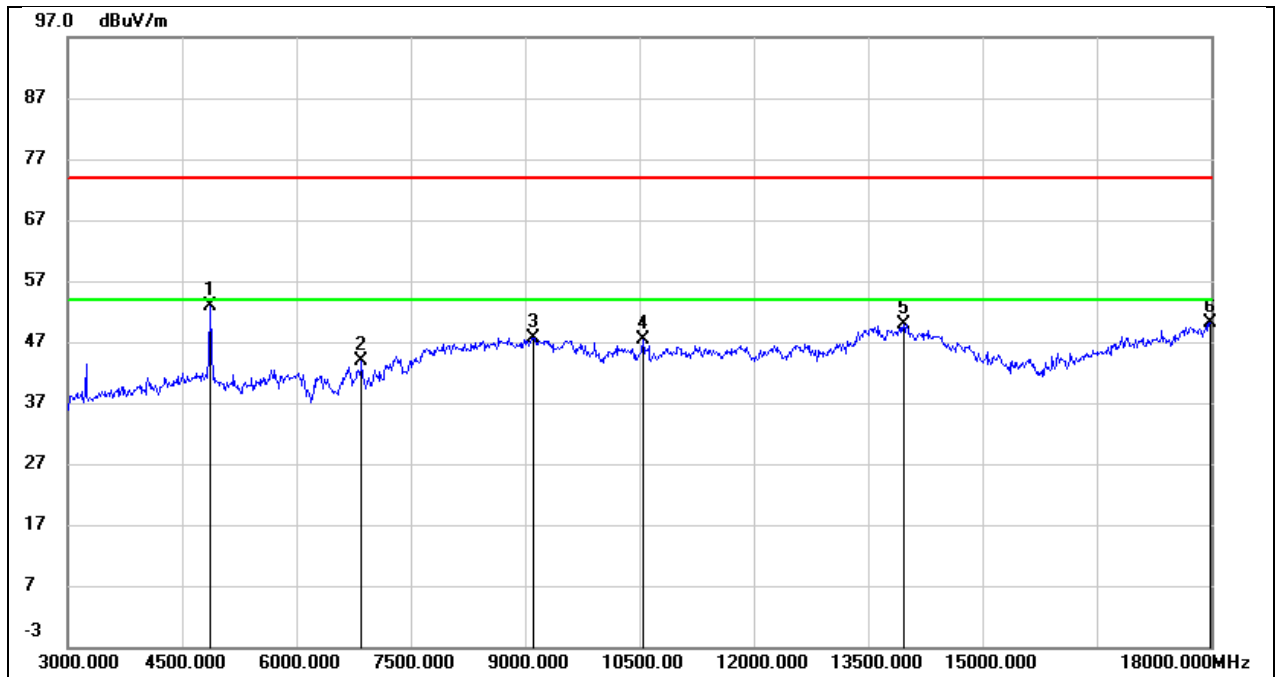
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4830.000	56.95	0.64	57.59	74.00	-16.41	peak
2	4830.000	45.03	0.64	45.67	54.00	-8.33	AVG
3	7305.000	38.62	6.88	45.50	74.00	-28.50	peak
4	9075.000	37.68	10.40	48.08	74.00	-25.92	peak
5	11775.000	28.91	18.38	47.29	74.00	-26.71	peak
6	13440.000	27.54	22.61	50.15	74.00	-23.85	peak
7	18000.000	21.31	28.54	49.85	74.00	-24.15	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 24V



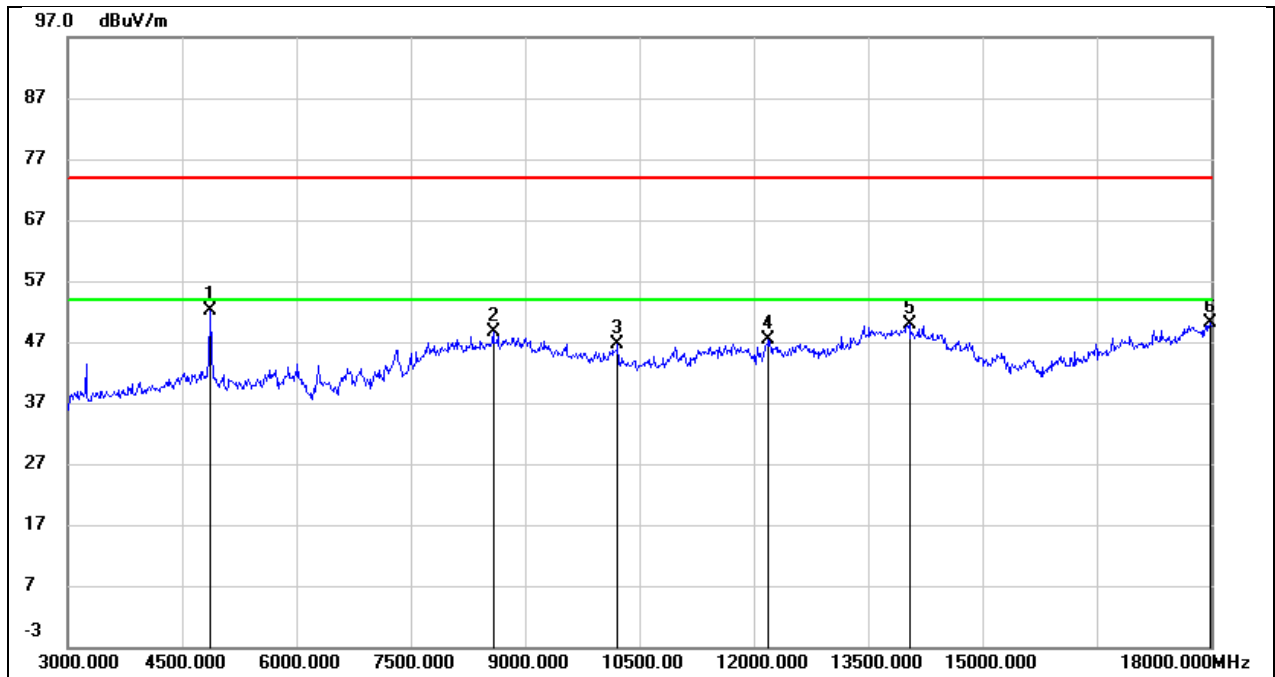
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	57.81	0.60	58.41	74.00	-15.59	peak
2	4815.000	44.69	0.60	45.29	54.00	-8.71	AVG
3	7335.000	38.21	6.90	45.11	74.00	-28.89	peak
4	9300.000	36.75	11.36	48.11	74.00	-25.89	peak
5	12255.000	29.45	19.26	48.71	74.00	-25.29	peak
6	13965.000	26.48	23.96	50.44	74.00	-23.56	peak
7	17985.000	21.96	28.41	50.37	74.00	-23.63	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Horizontal	Test Voltage:	DC 24V



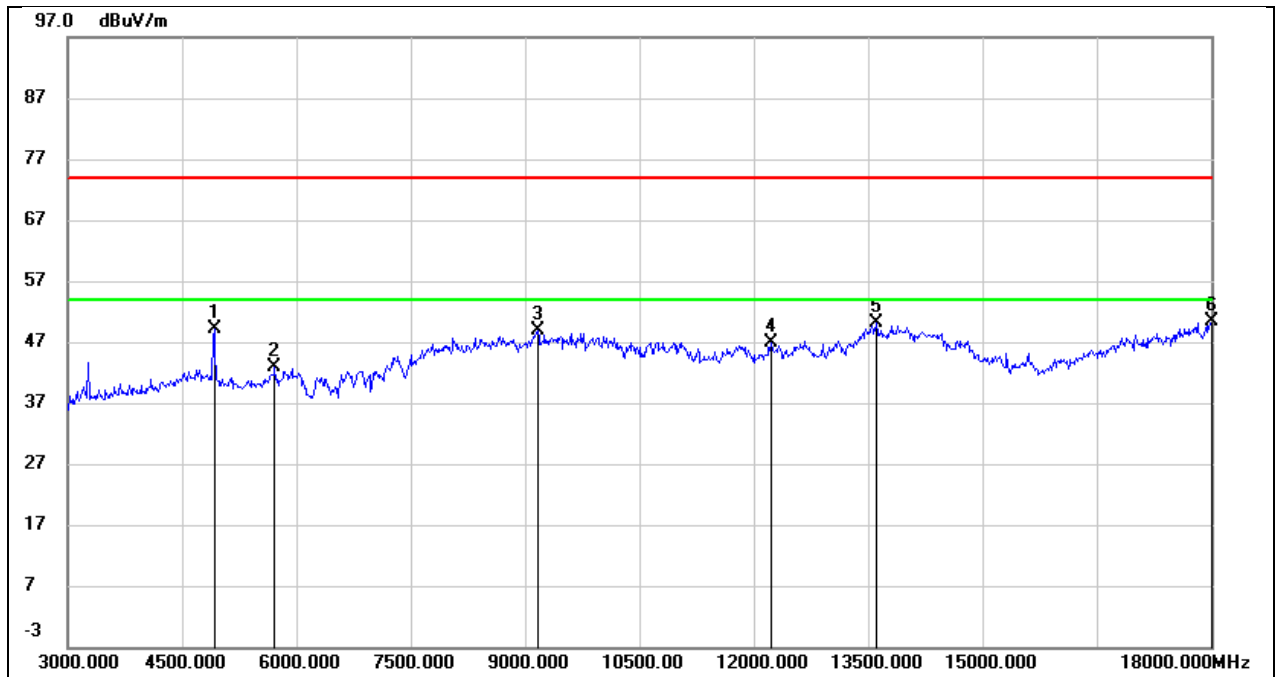
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	52.12	0.75	52.87	74.00	-21.13	peak
2	6855.000	37.86	6.08	43.94	74.00	-30.06	peak
3	9105.000	37.15	10.54	47.69	74.00	-26.31	peak
4	10545.000	33.09	14.35	47.44	74.00	-26.56	peak
5	13965.000	25.85	23.96	49.81	74.00	-24.19	peak
6	17985.000	21.80	28.41	50.21	74.00	-23.79	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2437
Polarity:	Vertical	Test Voltage:	DC 24V



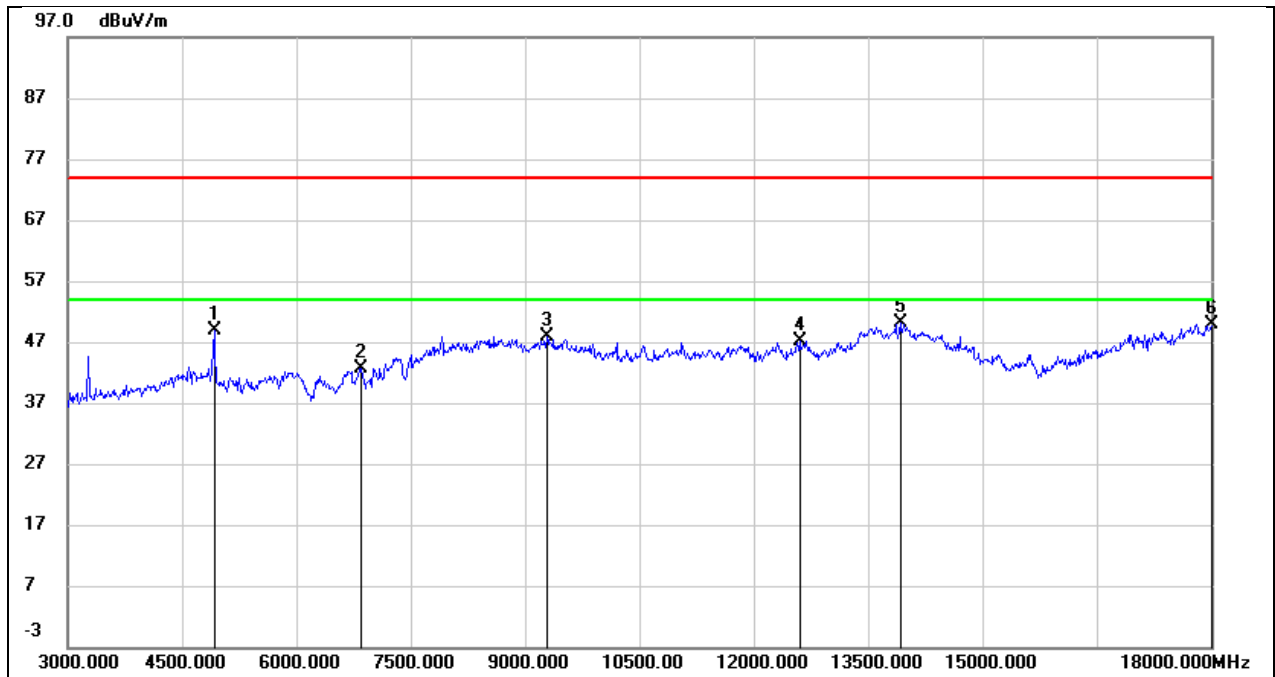
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	51.30	0.75	52.05	74.00	-21.95	peak
2	8580.000	39.30	9.24	48.54	74.00	-25.46	peak
3	10215.000	33.16	13.45	46.61	74.00	-27.39	peak
4	12195.000	28.17	19.10	47.27	74.00	-26.73	peak
5	14040.000	25.80	23.97	49.77	74.00	-24.23	peak
6	17985.000	21.67	28.41	50.08	74.00	-23.92	peak

Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Horizontal	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	48.37	0.86	49.23	74.00	-24.77	peak
2	5715.000	40.35	2.41	42.76	74.00	-31.24	peak
3	9165.000	38.03	10.79	48.82	74.00	-25.18	peak
4	12225.000	27.78	19.18	46.96	74.00	-27.04	peak
5	13605.000	27.05	23.01	50.06	74.00	-23.94	peak
6	18000.000	21.76	28.54	50.30	74.00	-23.70	peak

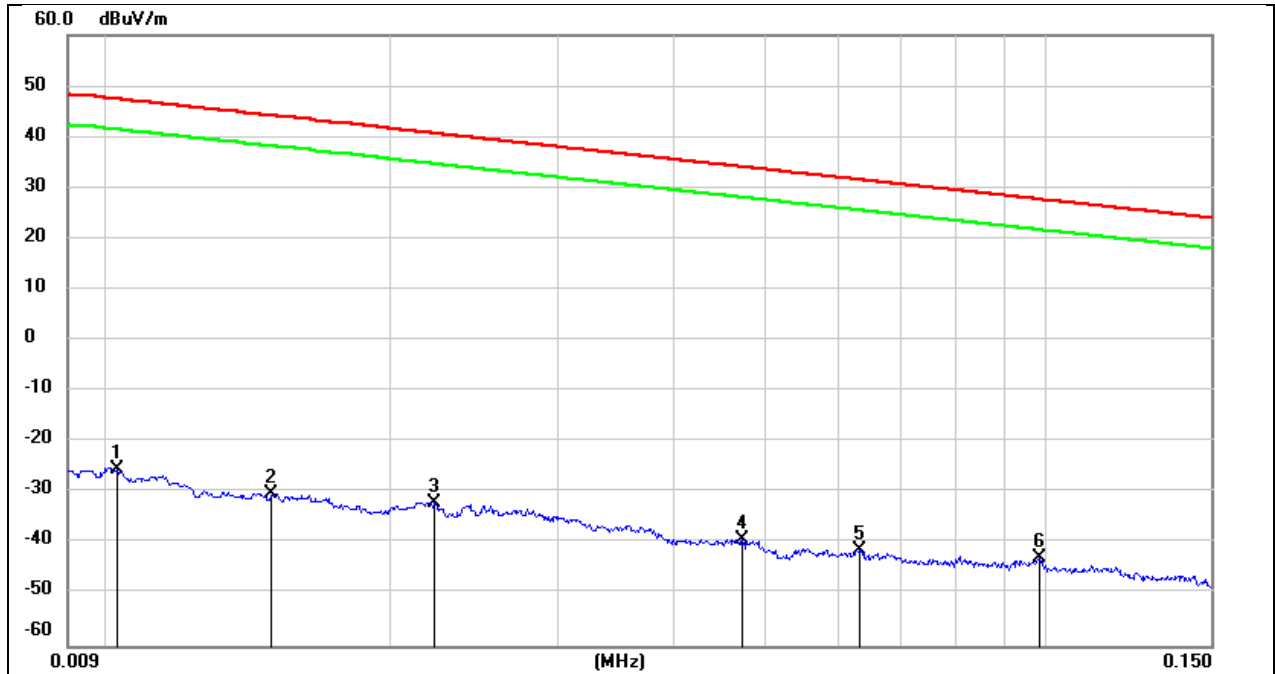
Test Mode:	802.11ax HE20	Frequency(MHz):	2462
Polarity:	Vertical	Test Voltage:	DC 24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	47.91	0.86	48.77	74.00	-25.23	peak
2	6855.000	36.65	6.08	42.73	74.00	-31.27	peak
3	9285.000	36.55	11.29	47.84	74.00	-26.16	peak
4	12600.000	27.48	19.69	47.17	74.00	-26.83	peak
5	13920.000	26.28	23.77	50.05	74.00	-23.95	peak
6	18000.000	21.31	28.54	49.85	74.00	-24.15	peak

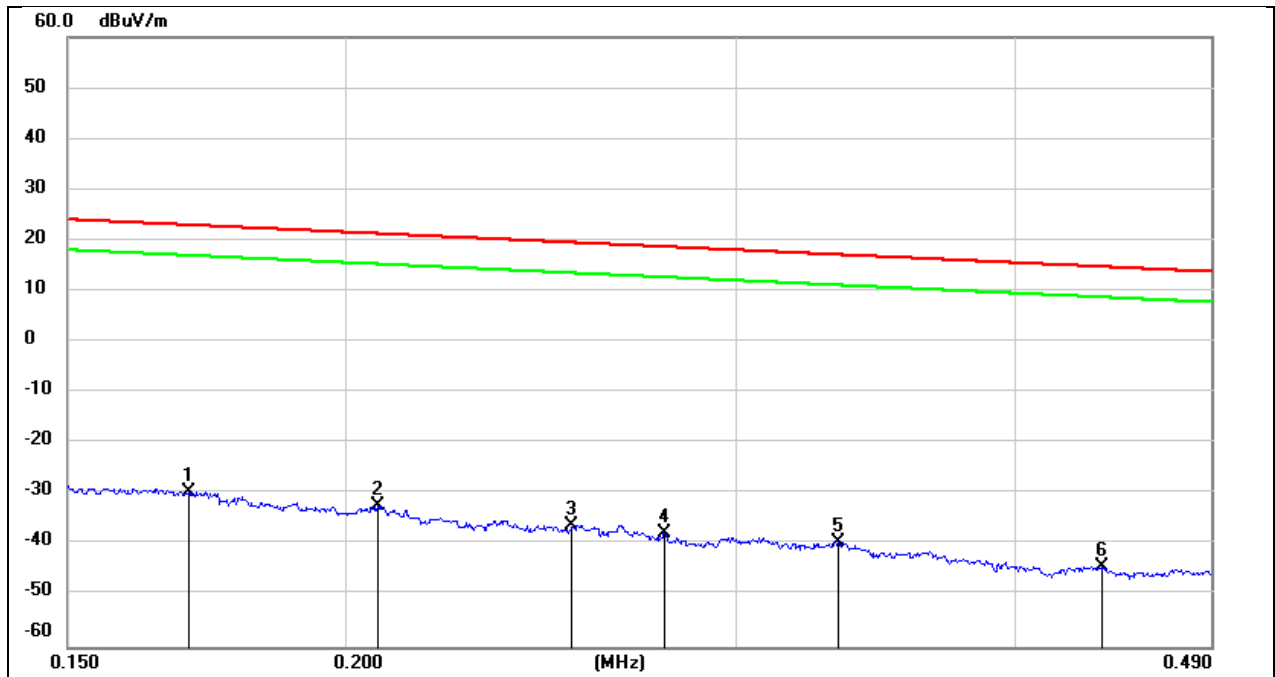
8.10. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 5V



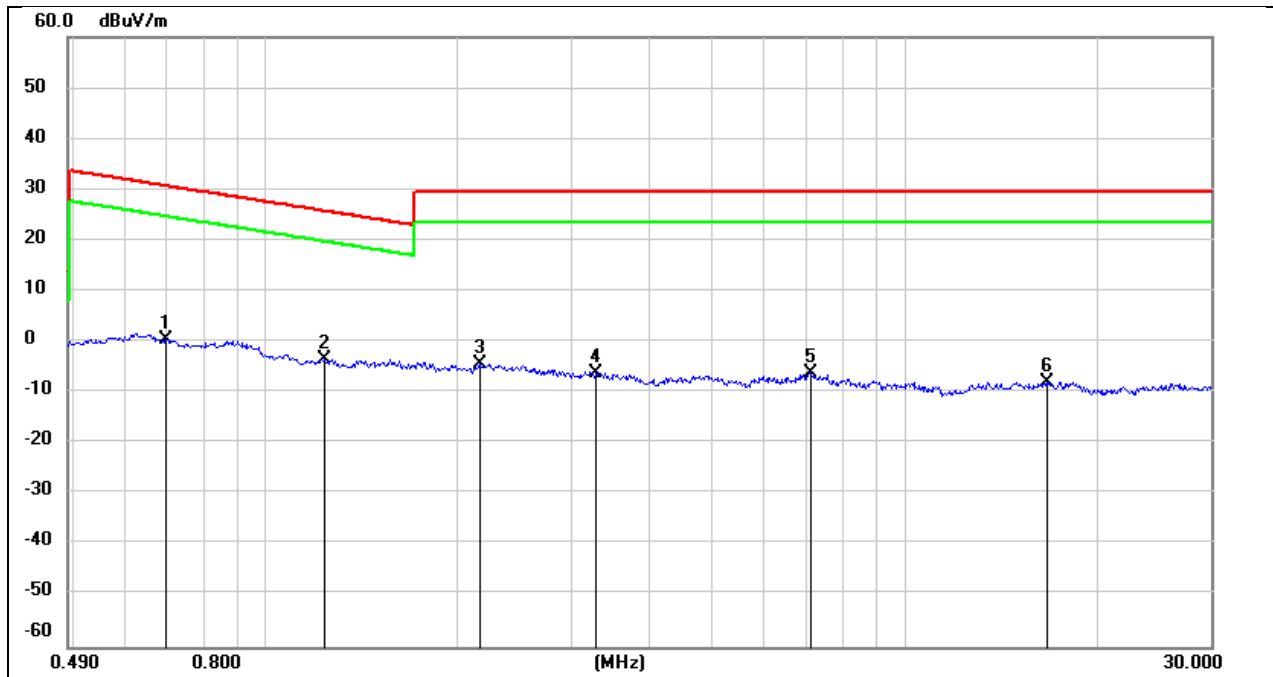
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0102	76.05	-101.40	-25.35	47.43	-72.78	peak
2	0.0149	71.37	-101.37	-30.00	44.14	-74.14	peak
3	0.0222	69.36	-101.35	-31.99	40.67	-72.66	peak
4	0.0473	62.34	-101.47	-39.13	34.10	-73.23	peak
5	0.0632	60.38	-101.54	-41.16	31.59	-72.75	peak
6	0.0985	59.04	-101.78	-42.74	27.73	-70.47	peak

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1701	72.21	-101.67	-29.46	22.99	-52.45	peak
2	0.2068	69.45	-101.73	-32.28	21.29	-53.57	peak
3	0.2530	65.64	-101.80	-36.16	19.54	-55.70	peak
4	0.2785	64.21	-101.83	-37.62	18.70	-56.32	peak
5	0.3331	62.46	-101.89	-39.43	17.15	-56.58	peak
6	0.4383	57.80	-102.01	-44.21	14.77	-58.98	peak

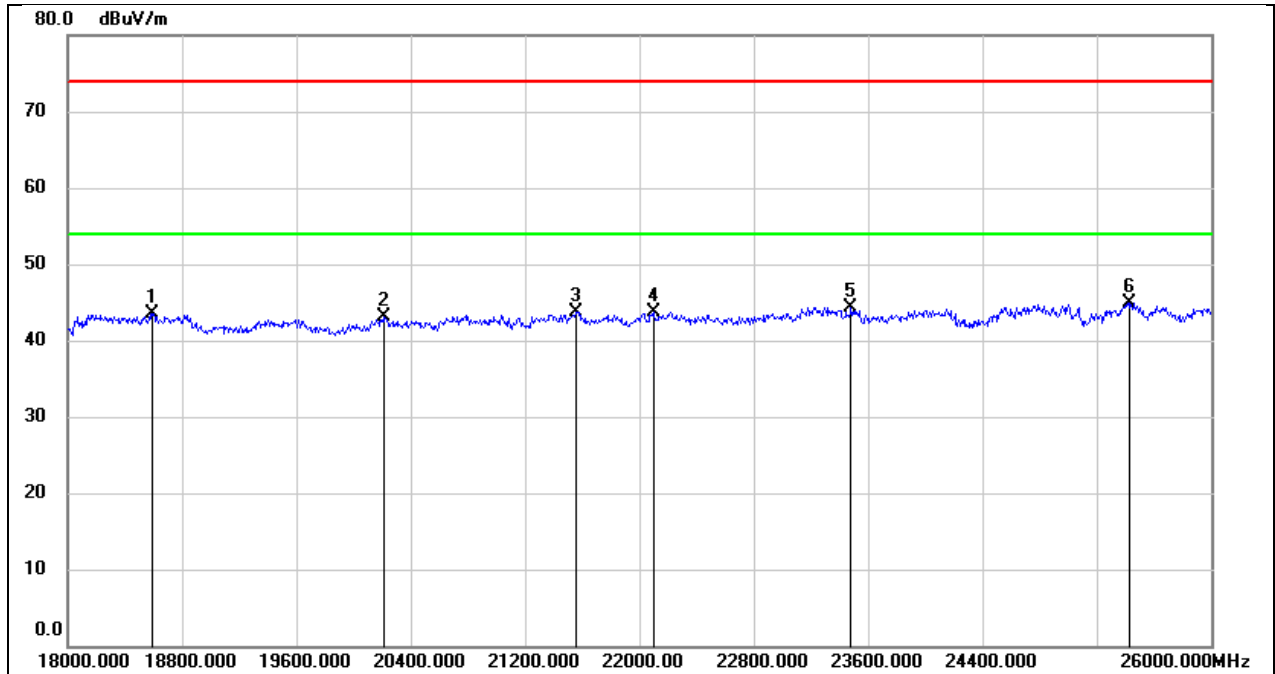
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.6975	62.53	-62.11	0.42	30.73	-30.31	peak
2	1.2358	58.76	-62.16	-3.40	25.77	-29.17	peak
3	2.1551	57.49	-61.78	-4.29	29.54	-33.83	peak
4	3.2791	55.46	-61.50	-6.04	29.54	-35.58	peak
5	7.1298	55.17	-61.19	-6.02	29.54	-35.56	peak
6	16.6021	53.02	-60.96	-7.94	29.54	-37.48	peak

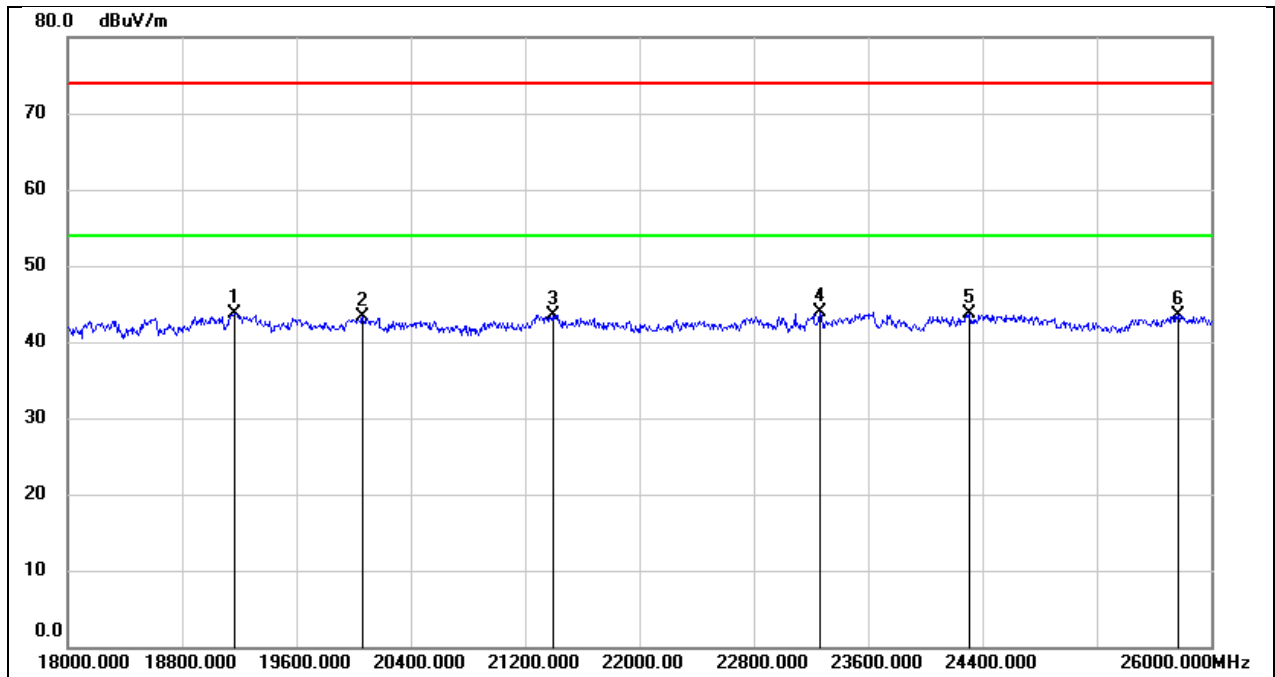
8.11. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18592.000	48.75	-5.31	43.44	74.00	-30.56	peak
2	20208.000	48.65	-5.59	43.06	74.00	-30.94	peak
3	21560.000	48.39	-4.60	43.79	74.00	-30.21	peak
4	22096.000	48.04	-4.38	43.66	74.00	-30.34	peak
5	23480.000	47.54	-3.16	44.38	74.00	-29.62	peak
6	25432.000	46.71	-1.75	44.96	74.00	-29.04	peak

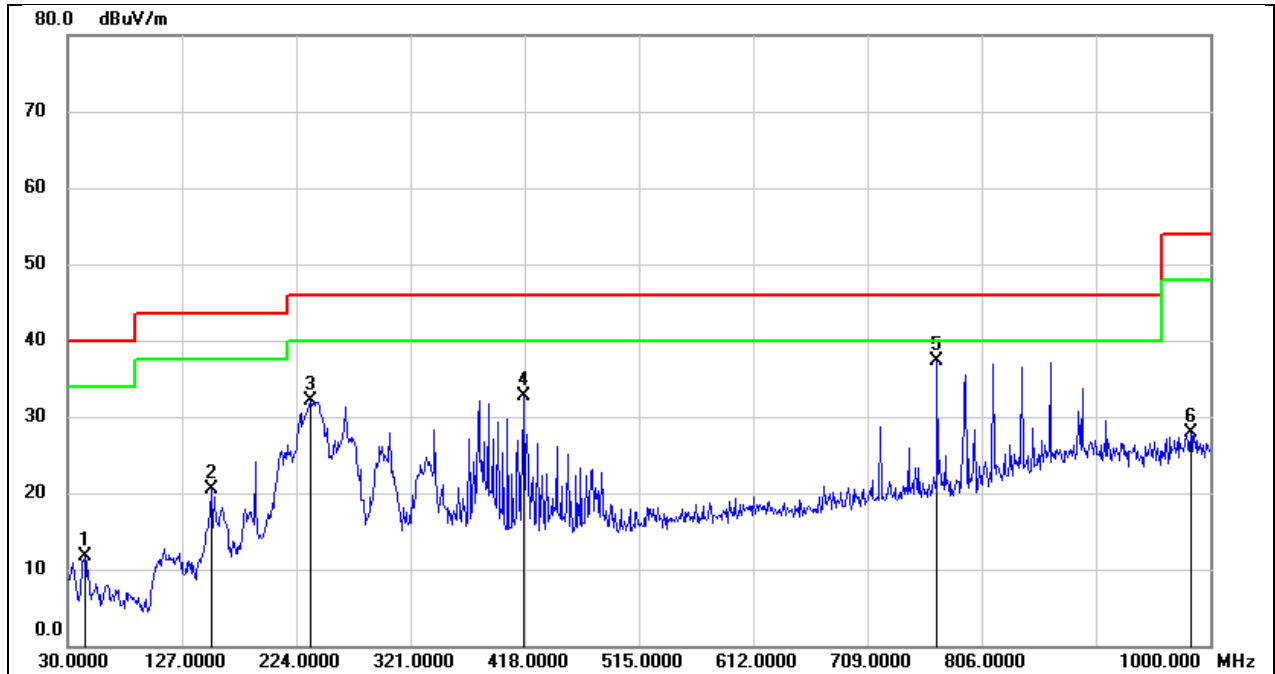
Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19168.000	49.09	-5.45	43.64	74.00	-30.36	peak
2	20064.000	48.72	-5.49	43.23	74.00	-30.77	peak
3	21392.000	48.28	-4.72	43.56	74.00	-30.44	peak
4	23264.000	47.26	-3.36	43.90	74.00	-30.10	peak
5	24304.000	46.39	-2.72	43.67	74.00	-30.33	peak
6	25768.000	44.10	-0.64	43.46	74.00	-30.54	peak

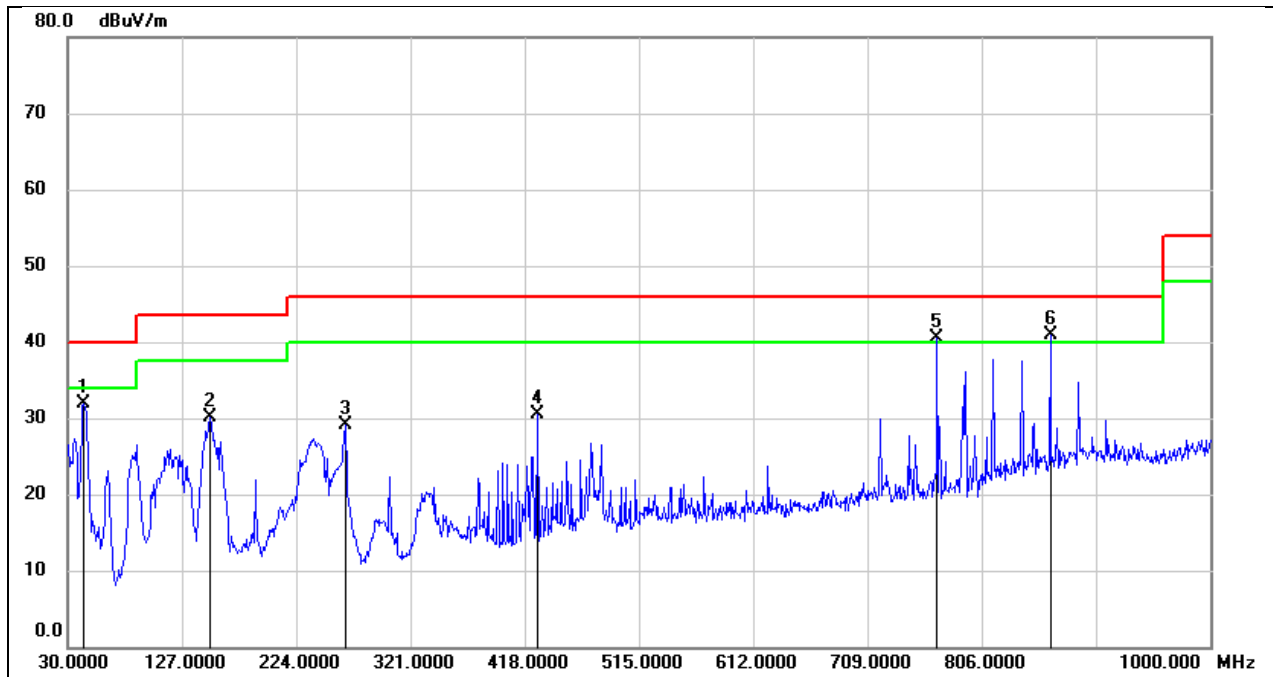
8.12. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Horizontal	Test Voltage:	DC24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.5500	26.67	-14.91	11.76	40.00	-28.24	QP
2	152.2200	33.76	-13.32	20.44	43.50	-23.06	QP
3	235.6400	45.88	-13.80	32.08	46.00	-13.92	QP
4	417.0300	41.87	-9.11	32.76	46.00	-13.24	QP
5	768.1700	40.48	-3.21	37.27	46.00	-8.73	QP
6	983.5100	28.25	-0.36	27.89	54.00	-26.11	QP

Test Mode:	802.11b	Frequency(MHz):	2412
Polarity:	Vertical	Test Voltage:	DC24V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	43.5800	46.73	-14.87	31.86	40.00	-8.14	QP
2	150.2800	43.50	-13.46	30.04	43.50	-13.46	QP
3	265.7100	42.79	-13.60	29.19	46.00	-16.81	QP
4	428.6700	39.21	-8.77	30.44	46.00	-15.56	QP
5	768.1700	43.62	-3.21	40.41	46.00	-5.59	QP
6	864.2000	41.96	-1.06	40.90	46.00	-5.10	QP

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

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

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

DESCRIPTION

Pass

10. TEST DATA

10.1. APPENDIX A: DTS BANDWIDTH

10.1.1. Test Result

FPV board

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.960	2417.000	≥0.5	PASS
		2437	9.520	2432.000	2441.520	≥0.5	PASS
		2462	9.040	2457.000	2466.040	≥0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	≥0.5	PASS
		2437	16.040	2429.120	2445.160	≥0.5	PASS
		2462	16.320	2453.840	2470.160	≥0.5	PASS
11N20SISO	Ant1	2412	17.520	2403.240	2420.760	≥0.5	PASS
		2437	17.040	2428.480	2445.520	≥0.5	PASS
		2462	16.680	2453.480	2470.160	≥0.5	PASS
11AX20SISO	Ant1	2412	18.680	2402.600	2421.280	≥0.5	PASS
		2437	18.160	2427.760	2445.920	≥0.5	PASS
		2462	18.560	2452.880	2471.440	≥0.5	PASS

Radar board

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.000	2407.000	2417.000	≥0.5	PASS
		2437	9.040	2432.960	2442.000	≥0.5	PASS
		2462	8.080	2457.960	2466.040	≥0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	≥0.5	PASS
		2437	16.280	2428.880	2445.160	≥0.5	PASS
		2462	16.240	2453.880	2470.120	≥0.5	PASS
11N20SISO	Ant1	2412	17.520	2403.240	2420.760	≥0.5	PASS
		2437	17.160	2428.600	2445.760	≥0.5	PASS
		2462	17.520	2453.240	2470.760	≥0.5	PASS
11AX20SISO	Ant1	2412	18.720	2402.760	2421.480	≥0.5	PASS
		2437	18.080	2428.160	2446.240	≥0.5	PASS
		2462	17.880	2453.160	2471.040	≥0.5	PASS

10.1.2. Test Graphs

FPV board





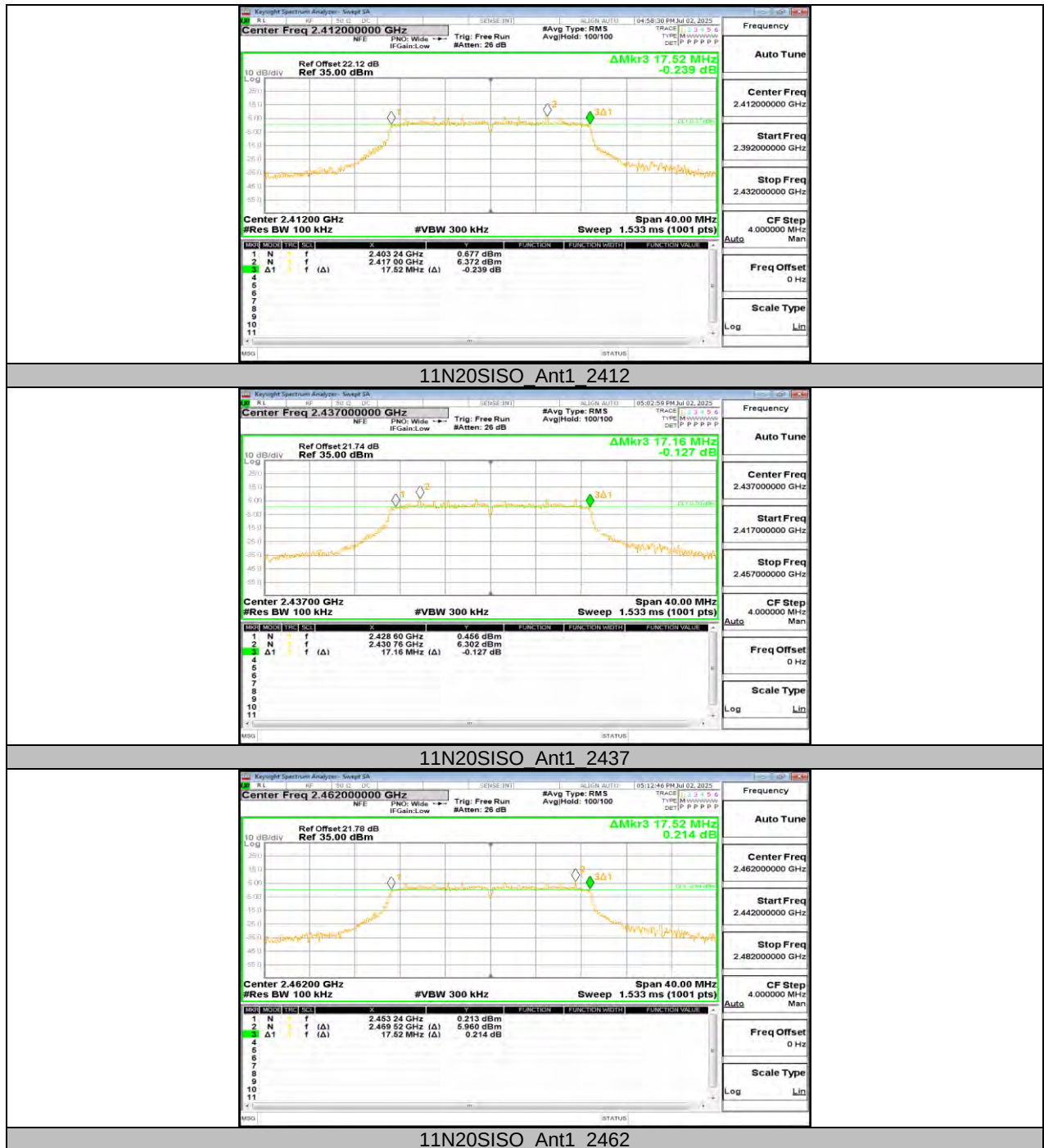




Radar board









10.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

10.2.1. Test Result

FPV board

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11B	Ant1	2412	13.169	2405.3913	2418.5603	PASS
		2437	13.239	2430.3630	2443.6020	PASS
		2462	13.213	2455.3600	2468.5730	PASS
11G	Ant1	2412	17.251	2403.3469	2420.5979	PASS
		2437	17.429	2428.2794	2445.7084	PASS
		2462	17.397	2453.2776	2470.6746	PASS
11N20SISO	Ant1	2412	18.191	2402.8187	2421.0097	PASS
		2437	18.136	2427.8653	2446.0013	PASS
		2462	18.081	2452.8965	2470.9775	PASS
11AX20SISO	Ant1	2412	19.013	2402.5051	2421.5181	PASS
		2437	19.052	2427.4741	2446.5261	PASS
		2462	19.090	2452.4430	2471.5330	PASS

Radar board

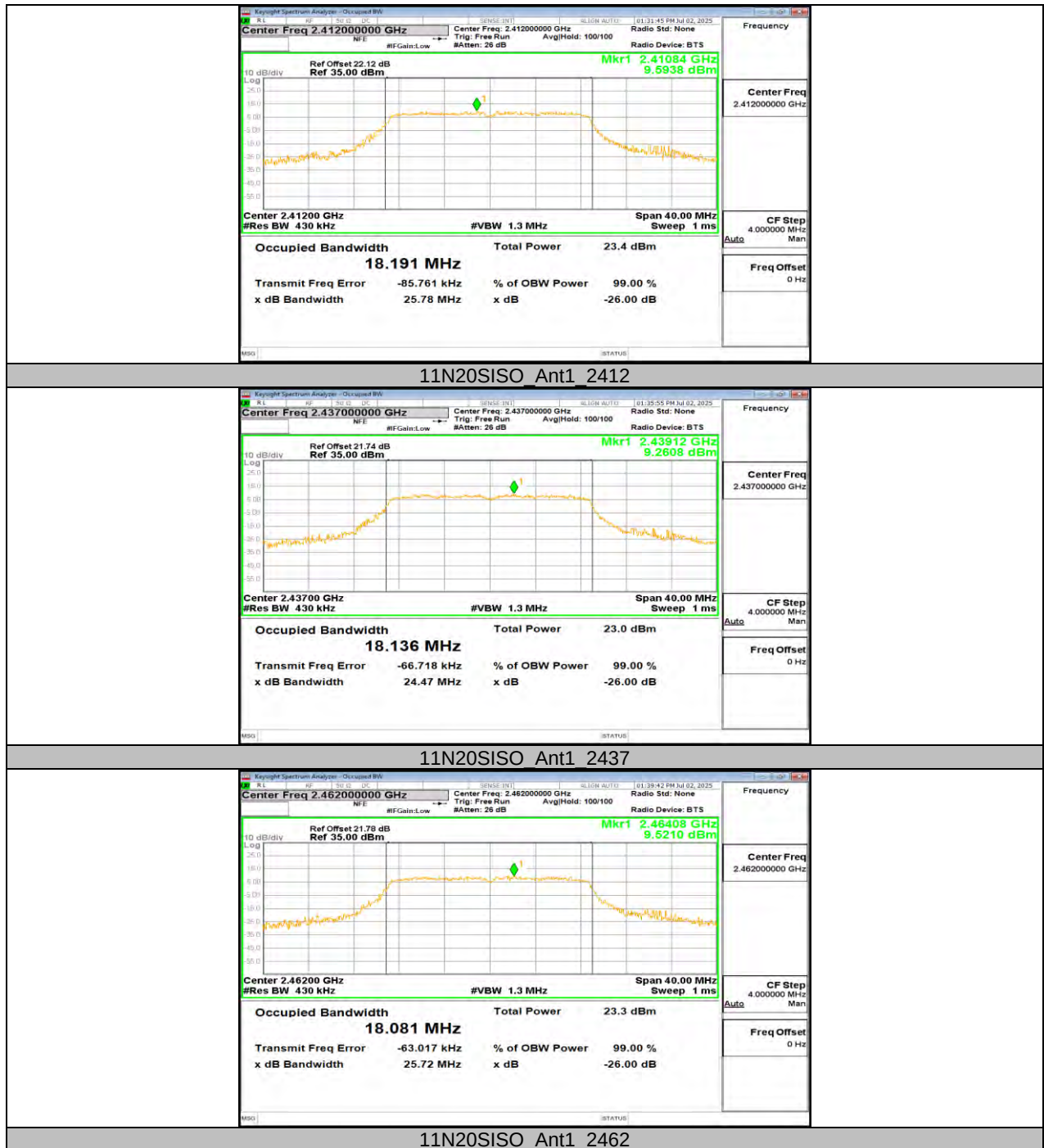
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11B	Ant1	2412	13.113	2405.4335	2418.5465	PASS
		2437	13.121	2430.4313	2443.5523	PASS
		2462	13.112	2455.4363	2468.5483	PASS
11G	Ant1	2412	17.257	2403.3631	2420.6201	PASS
		2437	17.328	2428.3249	2445.6529	PASS
		2462	17.333	2453.3411	2470.6741	PASS
11N20SISO	Ant1	2412	18.084	2402.9048	2420.9888	PASS
		2437	18.115	2427.9043	2446.0193	PASS
		2462	18.120	2452.9153	2471.0353	PASS
11AX20SISO	Ant1	2412	19.137	2402.3995	2421.5365	PASS
		2437	19.093	2427.4565	2446.5495	PASS
		2462	19.152	2452.4345	2471.5865	PASS

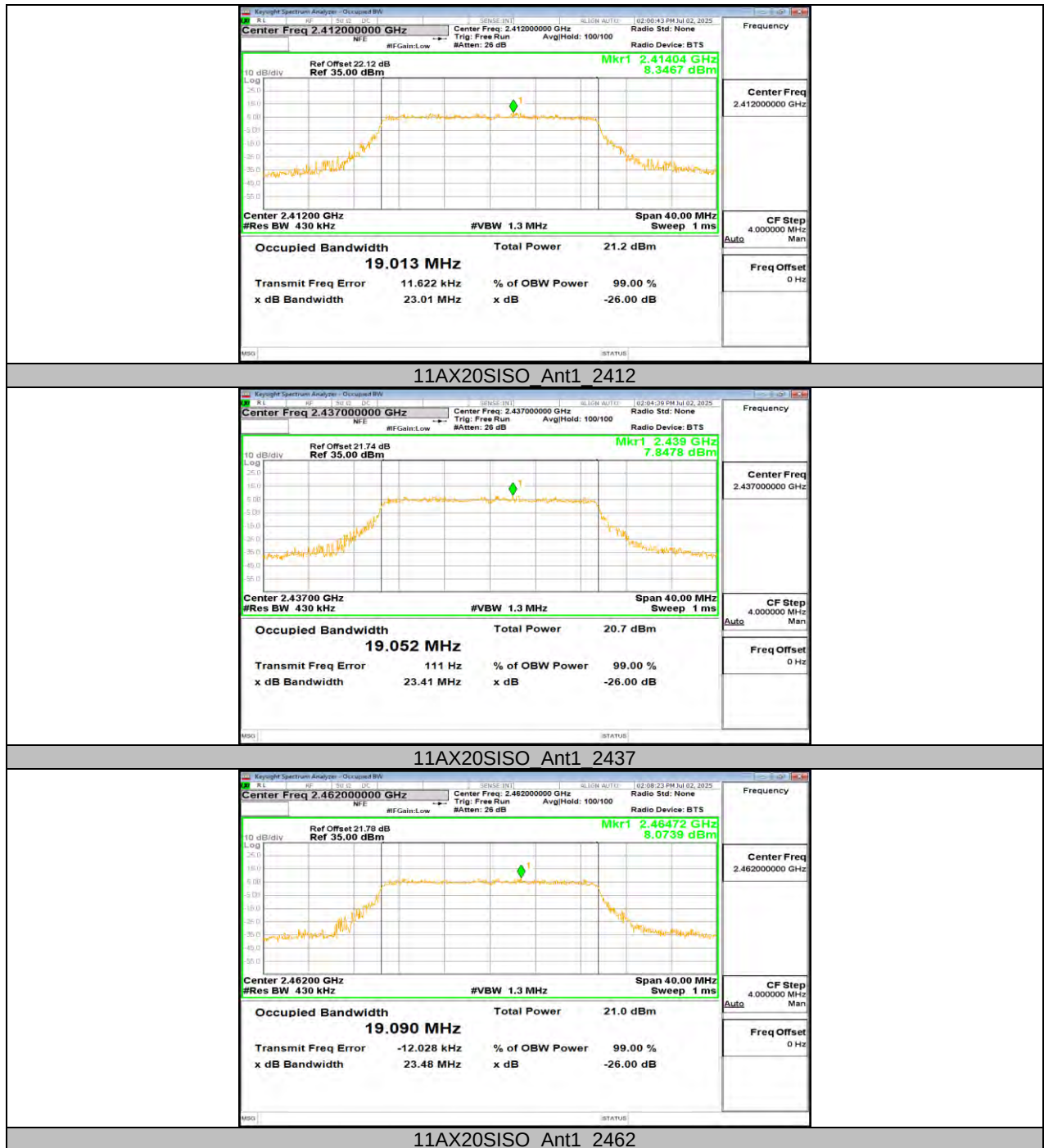
10.2.2. Test Graphs

FPV board



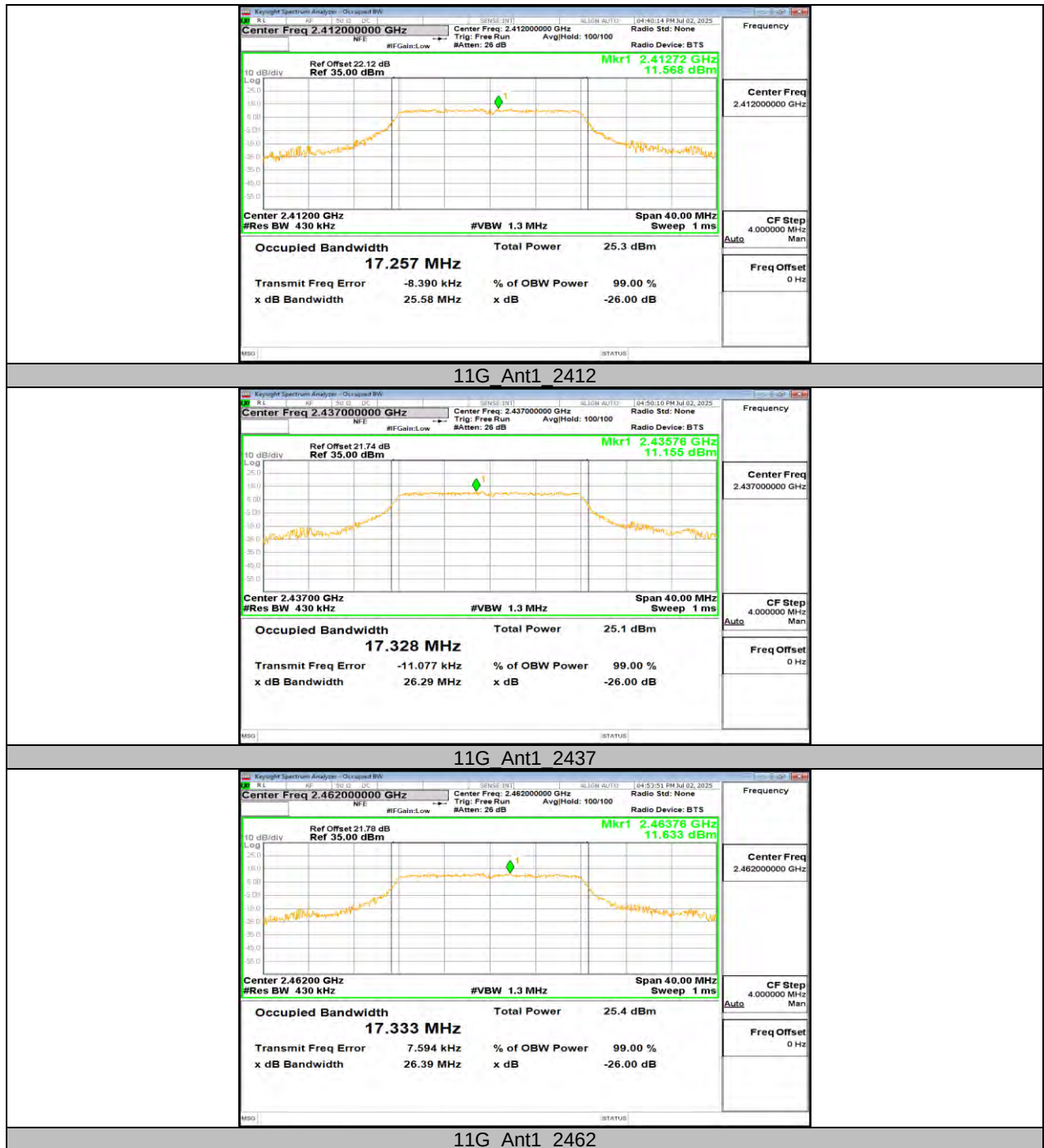


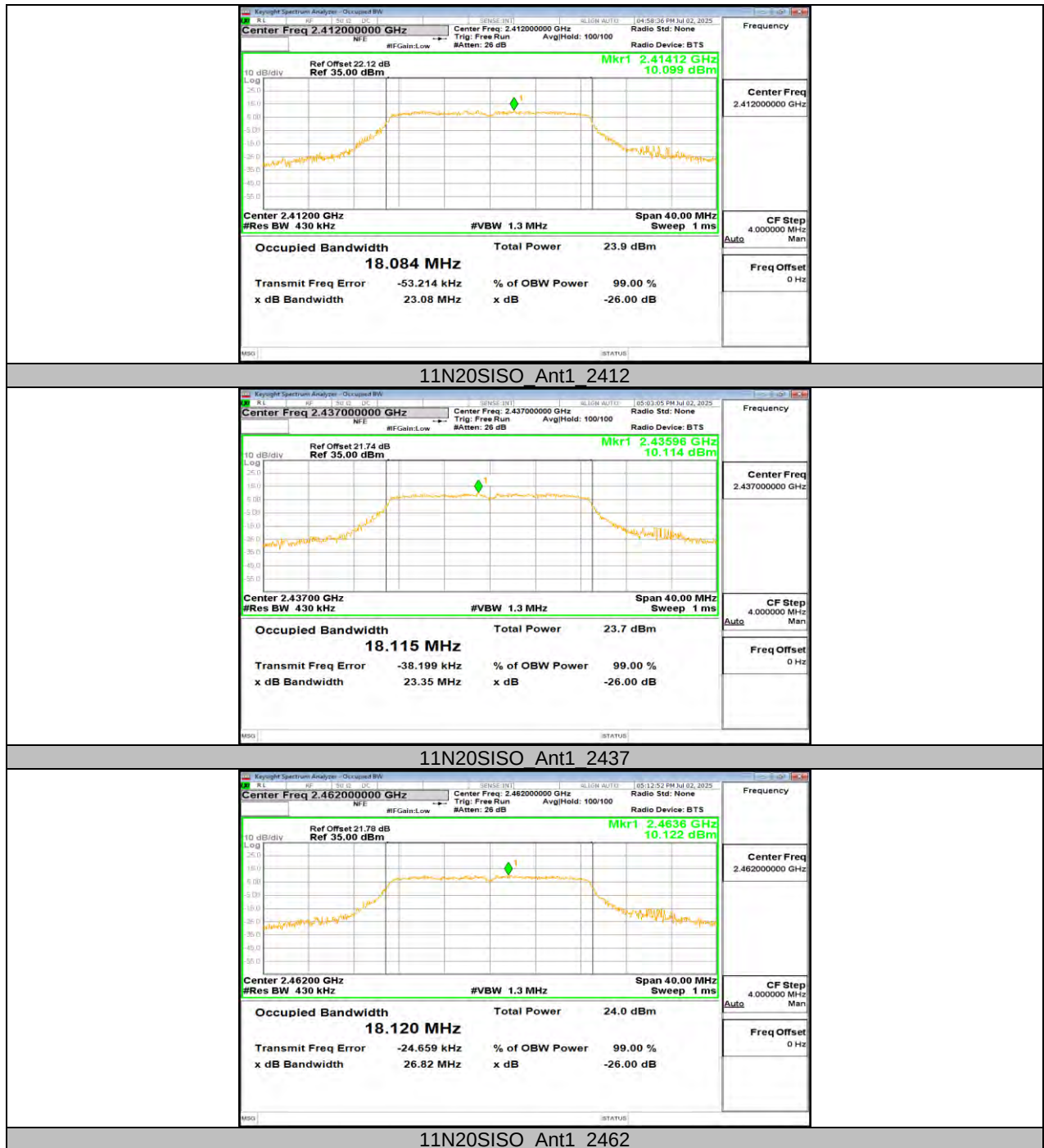


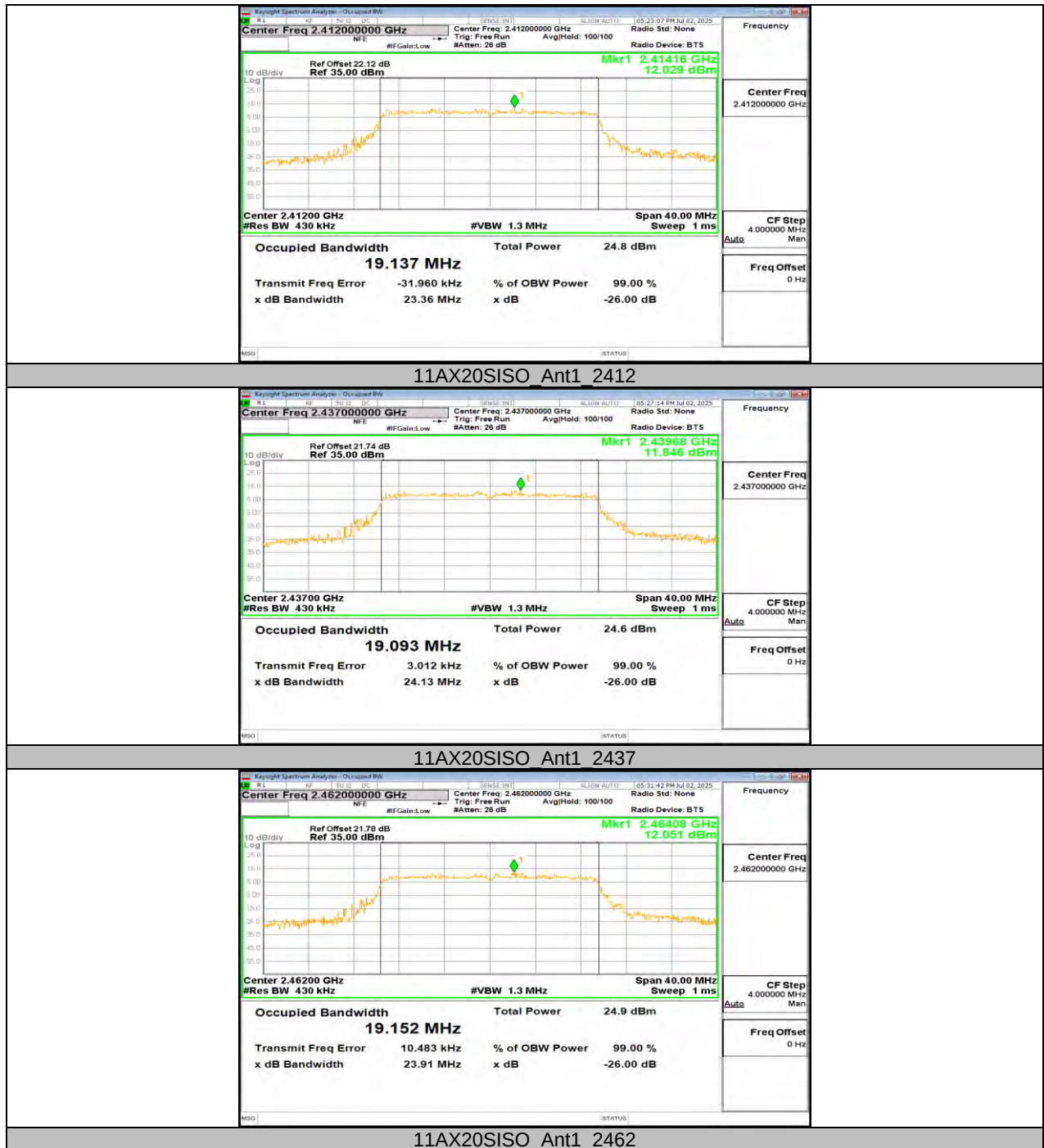


Radar board









10.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

10.3.1. Test Result

FPV board

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	20.63	≤30.00	PASS
		2437	20.97	≤30.00	PASS
		2462	20.92	≤30.00	PASS
11G	Ant1	2412	18.46	≤30.00	PASS
		2437	18.83	≤30.00	PASS
		2462	18.88	≤30.00	PASS
11N20SISO	Ant1	2412	17.42	≤30.00	PASS
		2437	17.03	≤30.00	PASS
		2462	17.27	≤30.00	PASS
11AX20SISO	Ant1	2412	14.01	≤30.00	PASS
		2437	13.66	≤30.00	PASS
		2462	13.97	≤30.00	PASS

Radar board

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.34	≤30.00	PASS
		2437	14.95	≤30.00	PASS
		2462	15.35	≤30.00	PASS
11G	Ant1	2412	19.28	≤30.00	PASS
		2437	19.15	≤30.00	PASS
		2462	19.39	≤30.00	PASS
11N20SISO	Ant1	2412	17.82	≤30.00	PASS
		2437	17.67	≤30.00	PASS
		2462	17.39	≤30.00	PASS
11AX20SISO	Ant1	2412	17.77	≤30.00	PASS
		2437	17.66	≤30.00	PASS
		2462	17.00	≤30.00	PASS

10.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

10.4.1. Test Result

FPV board

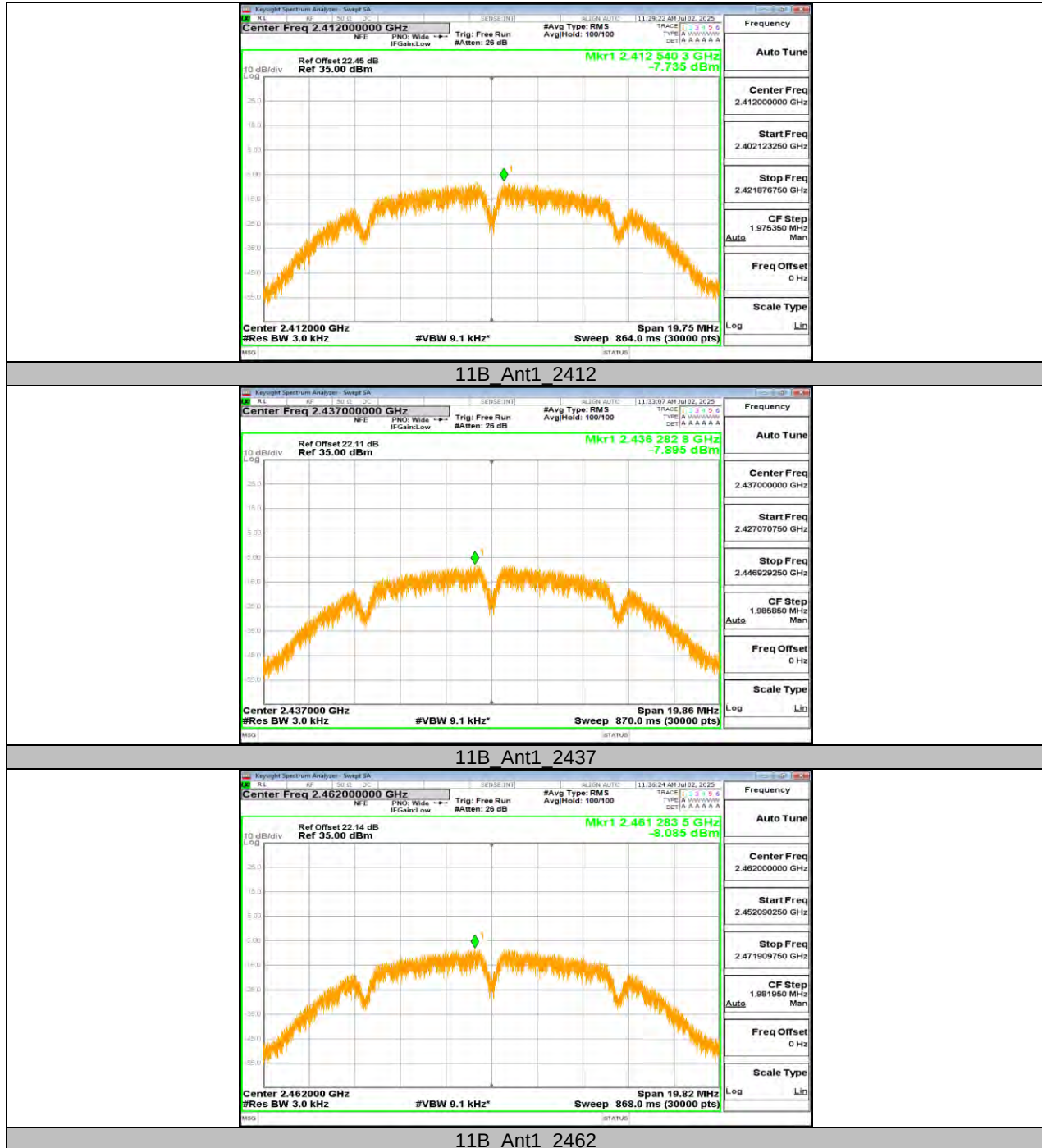
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.74	≤8.00	PASS
		2437	-7.90	≤8.00	PASS
		2462	-8.09	≤8.00	PASS
11G	Ant1	2412	-10.43	≤8.00	PASS
		2437	-9.83	≤8.00	PASS
		2462	-10.17	≤8.00	PASS
11N20SISO	Ant1	2412	-12.52	≤8.00	PASS
		2437	-13.00	≤8.00	PASS
		2462	-12.69	≤8.00	PASS
11AX20SISO	Ant1	2412	-15.22	≤8.00	PASS
		2437	-15.74	≤8.00	PASS
		2462	-15.20	≤8.00	PASS

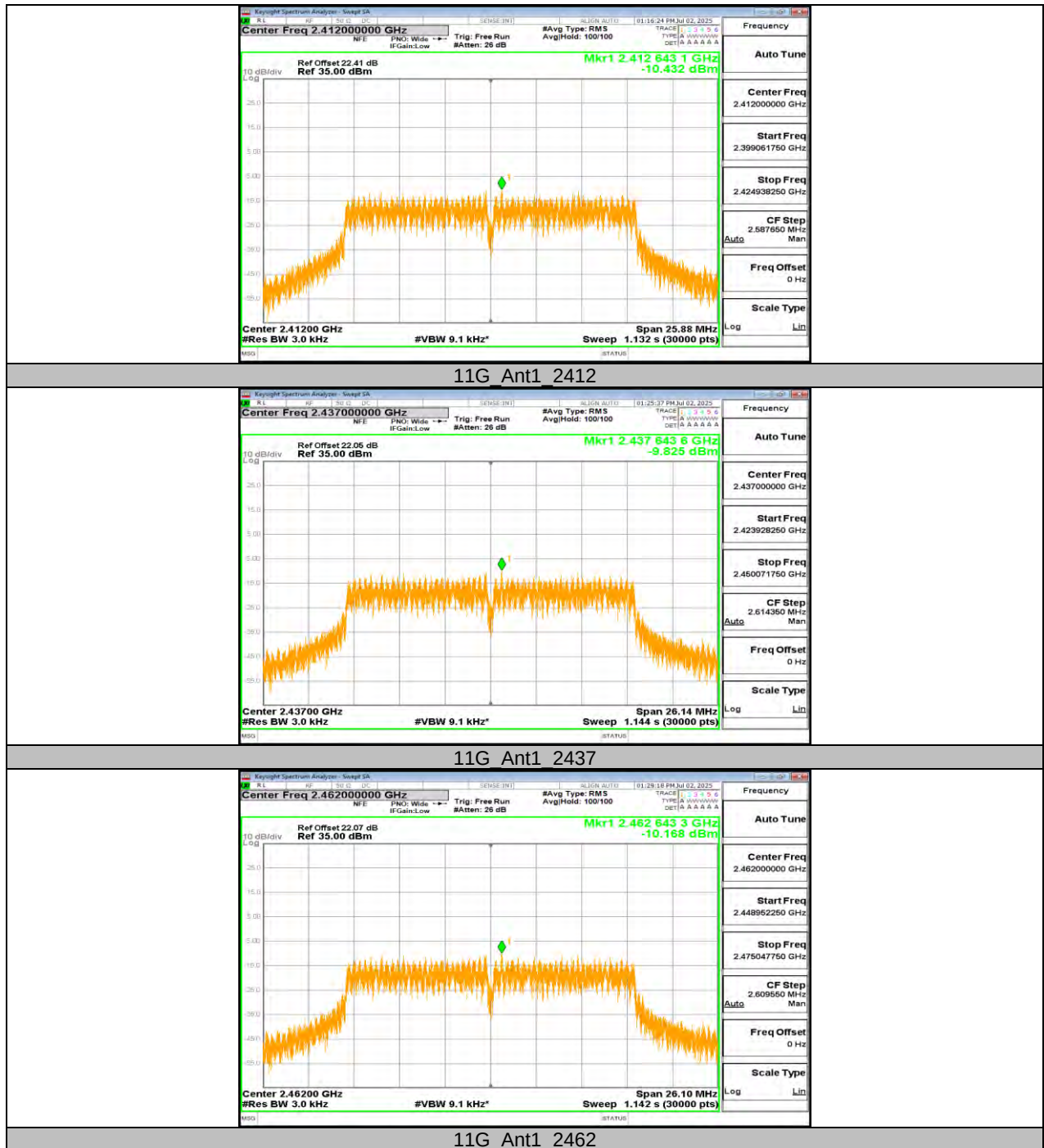
Radar board

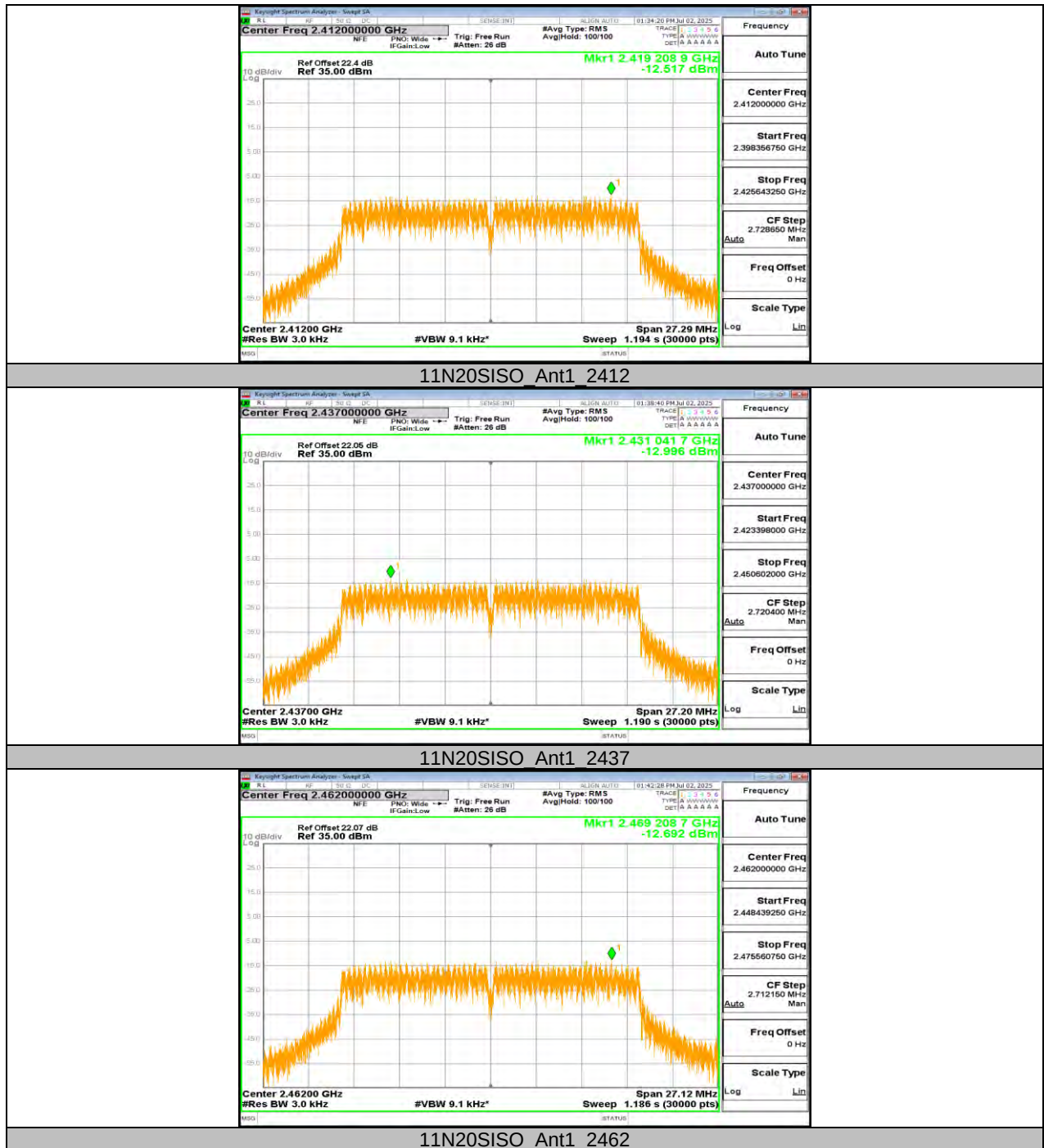
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.48	≤8.00	PASS
		2437	-14.03	≤8.00	PASS
		2462	-13.41	≤8.00	PASS
11G	Ant1	2412	-9.56	≤8.00	PASS
		2437	-9.90	≤8.00	PASS
		2462	-9.72	≤8.00	PASS
11N20SISO	Ant1	2412	-12.11	≤8.00	PASS
		2437	-12.09	≤8.00	PASS
		2462	-12.51	≤8.00	PASS
11AX20SISO	Ant1	2412	-11.34	≤8.00	PASS
		2437	-11.66	≤8.00	PASS
		2462	-12.39	≤8.00	PASS

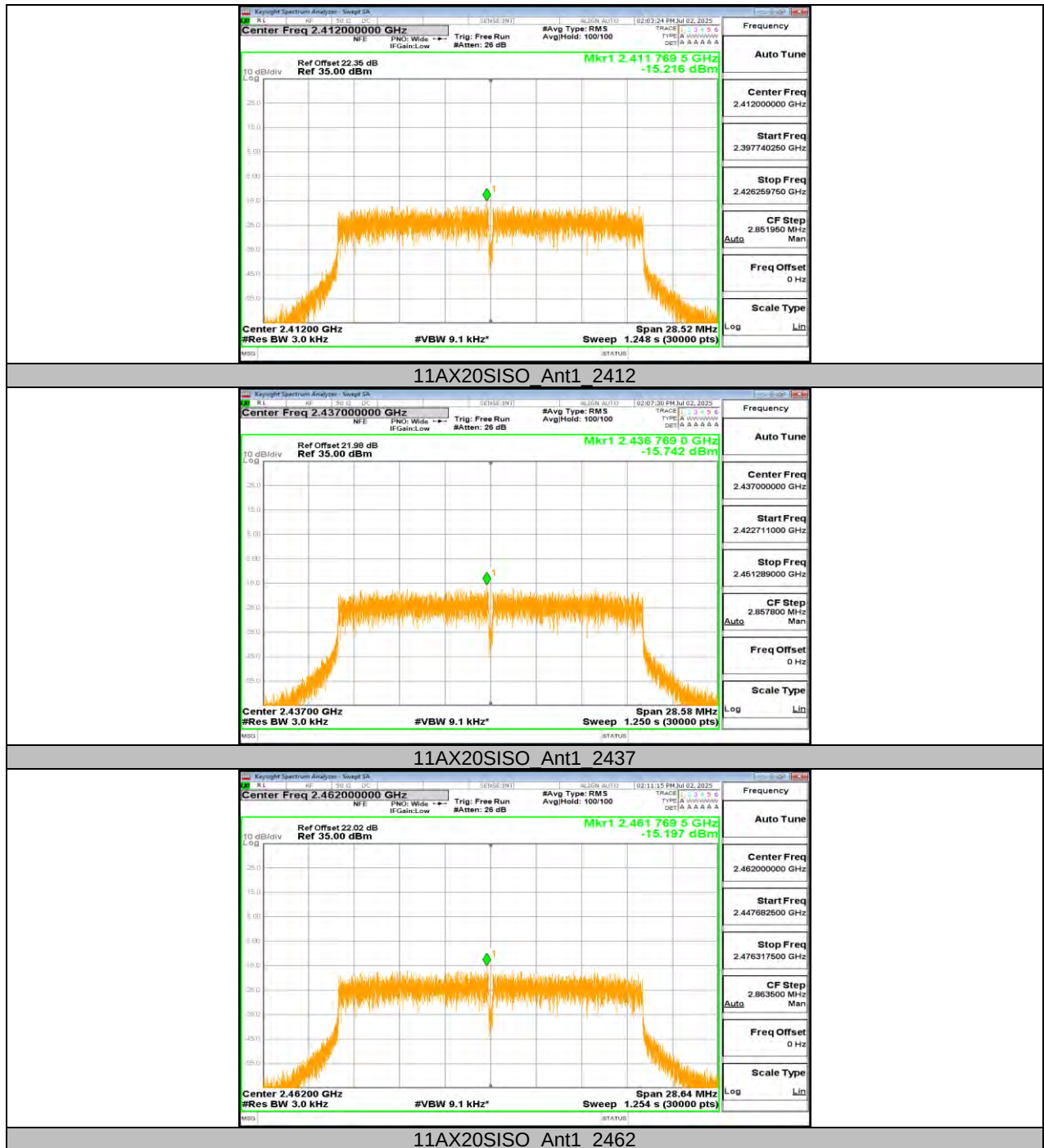
10.4.2. Test Graphs

FPV board









Radar board

