CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

DJI Neo 2 Digital Transceiver

MODEL NUMBER: DEP1

REPORT NUMBER: 4791807217-2-RF-1

ISSUE DATE: June 27, 2025

FCC ID: SS3-DEP125

Prepared for

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

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	June 27, 2025	Initial Issue	

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2013, Clause 6.2	FCC Part 15.207	Pass
Conducted Output Power	ANSI C63.10-2013, Clause 11.9.2.3.1	FCC Part 15.247 (b)(3)	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2013, Clause 11.8.1	FCC Part 15.247 (a)(2)	Pass
Power Spectral Density	ANSI C63.10-2013, Clause 11.10.5	FCC Part 15.247 (e)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2013, Clause 11.11	FCC Part 15.247(d)	Pass
Radiated Band edge and Spurious Emission	ANSI C63.10-2013, Clause 11.12 & Clause 11.13	FCC Part 15.247 (d) FCC Part 15.205/15.209	Pass
Duty Cycle	ANSI C63.10-2013, Clause 11.6	None; for reporting purposes only.	Pass

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

CONTENTS

1. ATTESTATION OF TEST RESULTS

Applicant Information

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

Manufacturer Information

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

EUT Information

EUT Name:	DJI Neo 2 Digital Transceiver
Model:	DEP1
Brand:	DJI
Sample Received Date:	May 26, 2025
Sample Status:	Normal
Sample ID:	8510078
Date of Tested:	June 4, 2025 to June 27, 2025

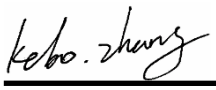
APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 FCC PART 15 SUBPART C	**Pass**

Prepared By:

Johnson Liu

Laboratory Engineer

Checked By:



Kebo Zhang

Operations Leader

Approved By:

Stephen Guo

Operations Manager

2. TEST METHODOLOGY

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

Note 1:
All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.

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

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

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. MEASUREMENT UNCERTAINTY

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

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 26 GHz)	5.78 dB (1 GHz ~ 18 GHz)
	5.23 dB (18 GHz ~ 26 GHz)
Duty Cycle	±0.028%
DTS and 99% Occupied Bandwidth	±0.0196%
Maximum Conducted Output Power	±0.686 dB
Maximum Power Spectral Density Level	±0.743 dB
Conducted Band-edge Compliance	±1.328 dB
Conducted Unwanted Emissions In Non-restricted Frequency Bands	±0.746 dB (9 kHz ~ 1 GHz)
	±1.328dB (1 GHz ~ 26 GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	DJI Neo 2 Digital Transceiver
Model	DEP1

Radio Technology	SRD 2.4G
Operation Frequency	2.4G 10 MHz Bandwidth (2407.5 MHz ~ 2467.5 MHz) 2.4G 20 MHz Bandwidth (2412.5 MHz ~ 2462.5 MHz) 2.4G 40 MHz Bandwidth (2422.5 MHz ~ 2452.5 MHz) 2.4G 60 MHz Bandwidth (2432.5 MHz ~ 2442.5 MHz)
Modulation	OFDM (QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)
Power Supply	DC 5V

5.2. CHANNEL LIST

2.4G 10 MHz Bandwidth (2407.5 MHz ~ 2467.5 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2407.5	17	2423.5	33	2439.5	49	2455.5
2	2408.5	18	2424.5	34	2440.5	50	2456.5
3	2409.5	19	2425.5	35	2441.5	51	2457.5
4	2410.5	20	2426.5	36	2442.5	52	2458.5
5	2411.5	21	2427.5	37	2443.5	53	2459.5
6	2412.5	22	2428.5	38	2444.5	54	2460.5
7	2413.5	23	2429.5	39	2445.5	55	2461.5
8	2414.5	24	2430.5	40	2446.5	56	2462.5
9	2415.5	25	2431.5	41	2447.5	57	2463.5
10	2416.5	26	2432.5	42	2448.5	58	2464.5
11	2417.5	27	2433.5	43	2449.5	59	2465.5
12	2418.5	28	2434.5	44	2450.5	60	2466.5
13	2419.5	29	2435.5	45	2451.5	61	2467.5
14	2420.5	30	2436.5	46	2452.5	/	/
15	2421.5	31	2437.5	47	2453.5	/	/
16	2422.5	32	2438.5	48	2454.5	/	/

2.4G 20 MHz Bandwidth (2412.5 MHz ~ 2462.5 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412.5	14	2425.5	27	2438.5	40	2451.5
2	2413.5	15	2426.5	28	2439.5	41	2452.5
3	2414.5	16	2427.5	29	2440.5	42	2453.5
4	2415.5	17	2428.5	30	2441.5	43	2454.5
5	2416.5	18	2429.5	31	2442.5	44	2455.5
6	2417.5	19	2430.5	32	2443.5	45	2456.5
7	2418.5	20	2431.5	33	2444.5	46	2457.5
8	2419.5	21	2432.5	34	2445.5	47	2458.5
9	2420.5	22	2433.5	35	2446.5	48	2459.5
10	2421.5	23	2434.5	36	2447.5	49	2460.5
11	2422.5	24	2435.5	37	2448.5	50	2461.5
12	2423.5	25	2436.5	38	2449.5	51	2462.5
13	2424.5	26	2437.5	39	2450.5	/	/

2.4G 40 MHz Bandwidth (2422.5 MHz ~ 2452.5 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2422.5	9	2430.5	17	2438.5	25	2446.5
2	2423.5	10	2431.5	18	2439.5	26	2447.5
3	2424.5	11	2432.5	19	2440.5	27	2448.5
4	2425.5	12	2433.5	20	2441.5	28	2449.5
5	2426.5	13	2434.5	21	2442.5	29	2450.5
6	2427.5	14	2435.5	22	2443.5	30	2451.5
7	2428.5	15	2436.5	23	2444.5	31	2452.5
8	2429.5	16	2437.5	24	2445.5	/	/

2.4 GHz 60 MHz Bandwidth (2432.5 MHz ~ 2442.5 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2432.5	4	2435.5	7	2438.5	10	2441.5
2	2433.5	5	2436.5	8	2439.5	11	2442.5
3	2434.5	6	2437.5	9	2440.5	/	/

5.3. MAXIMUM POWER

SRD 2.4G	Frequency (MHz)	Channel Number	Maximum Conducted Average Output Power (dBm)
10 MHz Mode	2407.5 MHz ~ 2467.5 MHz	1-61[61]	24.81
20 MHz Mode	2412.5 MHz ~ 2462.5 MHz	1-51[51]	21.30
40 MHz Mode	2422.5 MHz ~ 2452.5 MHz	1-31[31]	18.45
60 MHz Mode	2432.5 MHz ~ 2442.5 MHz	1-11[11]	13.72

5.4. TEST CHANNEL CONFIGURATION

IEEE Std. 802.11	Test Channel Number	Frequency
10 MHz Mode	CH 1(Low Channel), CH 4 CH 31(MID Channel), CH59 CH 61(High Channel)	2407.5 MHz, 2410.5 MHz, 2437.5 MHz, 2465.5 MHz, 2467.5 MHz
20 MHz Mode	CH 1(Low Channel), CH5, CH 26(MID Channel), CH45 CH47 CH 51(High Channel)	2412.5 MHz, 2416.5 MHz, 2437.5 MHz, 2456.5 MHz, 2458.5 MHz, 2462.5 MHz
40 MHz Mode	CH 1(Low Channel), CH 5 CH 16(MID Channel), CH 26 CH 31(High Channel)	2422.5 MHz, 2426.5 MHz, 2437.5 MHz, 2447.5 MHz, 2452.5 MHz
60 MHz Mode	CH 1(Low Channel), CH 6(MID Channel), CH 11(High Channel)	2432.5 MHz, 2437.5 MHz, 2442.5 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5 MHz Band		
Test Software		DjiSRDConsole-v2.9.5
Modulation Mode	Transmit Antenna Number	Test Software setting value
		NCB: 10 MHz/20 MHz/40 MHz/60 MHz
		All Channels
All	All	Default

WORST-CASE CONFIGURATIONS

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

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

Test channels referring to section 5.4.

Maximum power setting referring to section 5.5.

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

SRD 2.4G-10 MHz Mode/QPSK
SRD 2.4G-20 MHz Mode/QPSK
SRD 2.4G-40 MHz Mode/QPSK
SRD 2.4G-60 MHz Mode/QPSK

All modes only support SISO mode.

All modes Antenna 0 and Antenna 1 has the same power setting, so only Antenna 0 worst case test data were recorded in the report.

The EUT has 2 separate antennas which correspond to 2 separate antenna ports. Core 1 and Core 2 correspond to antenna 0 and antenna 1 respectively.

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

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
0	2412-2462	Dipole Antenna	1.5
1	2412-2462	Dipole Antenna	1.5

Test Mode	Transmit and Receive Mode	Description
10 MHz Mode	☒2TX, 2RX	ANT 0 or ANT 1 can be used as transmitting/receiving antenna.
20 MHz Mode	☒2TX, 2RX	ANT 0 or ANT 1 can be used as transmitting/receiving antenna.
40 MHz Mode	☒2TX, 2RX	ANT 0 or ANT 1 can be used as transmitting/receiving antenna.
60 MHz Mode	☒2TX, 2RX	ANT 0 or ANT 1 can be used as transmitting/receiving antenna.
Note: 1. The value of the antenna gain was declared by customer. 2. Only WIFI 2.4G & SRD 5G, BLE & SRD 5G, WIFI 5G & SRD 2.4G can transmit simultaneously (BLE & WIFI 2.4G & WIFI 5G transmitted by DJI NEO 2).		

5.7. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

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

I/O CABLES

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

ACCESSORIES

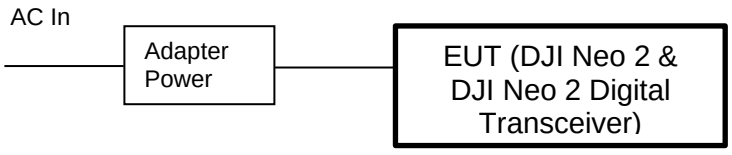
Item	Accessory	Brand Name	Model Name	Description
1	Lithium-ion Rechargeable Battery	DJI	BWXNN2-1606-7.16	Max Charge Voltage: 8.6V Normal Voltage: 7.16V
2	Adapter Power	DJI	PD-65CN	Input: AC 100 ~ 240 V, 50/60 Hz, 2.0 A Output: DC 5 V, 5 A/9 V, 5 A/12V, 5 A/15V, 4.3A/20V, 3.25A
3	DJI Neo 2	DJI	DEN225	FCC ID: SS3-DEN225 IC: 11805A-DEN225

TEST SETUP

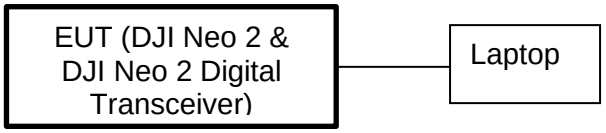
The EUT can work in engineering mode with a software through a laptop.

SETUP DIAGRAM FOR TESTS

For AC Power Line Conducted Emission Test:



For Others Test:



6. MEASURING EQUIPMENT AND SOFTWARE USED

R&S TS 8997 Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
Power sensor, Power Meter	R&S	OSP120	100921	Dec.27,2024	Dec.26,2025
Vector Signal Generator	R&S	SMBV100A	261637	Sep.28, 2024	Sep.27, 2025
Signal Generator	R&S	SMB100A	178553	Sep.28, 2024	Sep.27, 2025
Signal Analyzer	R&S	FSV40	101118	Sep.28, 2024	Sep.27, 2025
Software					
Description	Manufacturer	Name	Version		
For R&S TS 8997 Test System	Rohde & Schwarz	EMC 32	10.60.10		

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

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

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

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

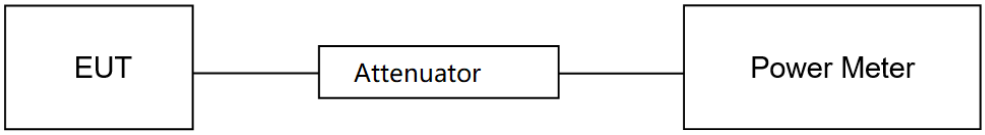
CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3)	AVG Output Power	1 watt or 30 dBm	2400-2483.5

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	23.5℃	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 5V

TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu

TEST RESULTS

Please refer to section "Test Data" - Appendix C

7.2. 6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

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

TEST PROCEDURE

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

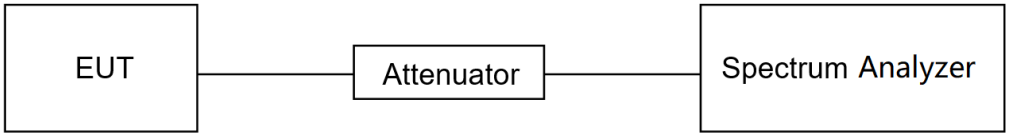
Connect the EUT to the spectrum analyzer and use the following settings:

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

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

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

TEST SETUP



TEST ENVIRONMENT

Temperature	23.5℃	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 5V

TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu

TEST RESULTS

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

7.3. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15 (15.247) Subpart C			
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

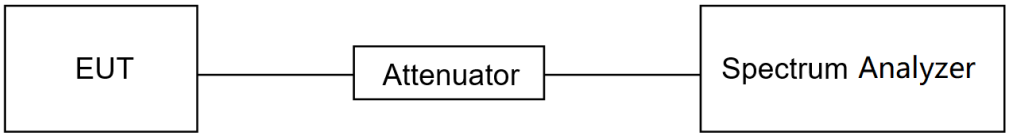
Refer to ANSI C63.10-2013 clause 11.10.5.

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 kHz ≤ RBW ≤ 100 kHz
VBW	≥3 × RBW
Span	1.5 x 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	23.5℃	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 5V

TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu

TEST RESULTS

Please refer to section "Test Data" - Appendix D

7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

TEST PROCEDURE

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

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

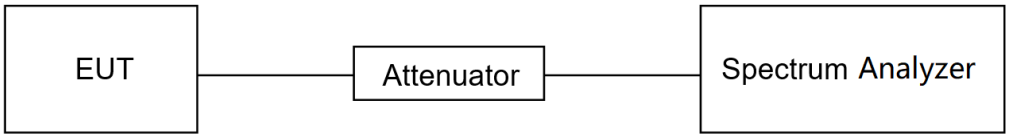
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.
Change the settings for emission level measurement:

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
measurement points	≥span/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	23.5℃	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 5V

TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu

TEST RESULTS

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

7.5. DUTY CYCLE

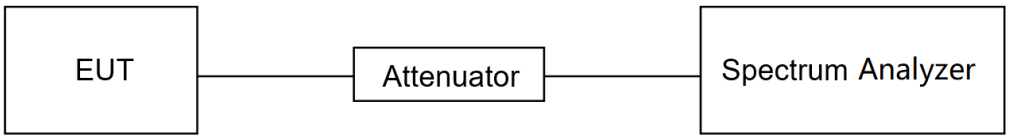
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

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

TEST SETUP



TEST ENVIRONMENT

Temperature	23.5℃	Relative Humidity	60%
Atmosphere Pressure	101kPa	Test Voltage	DC 5V

TEST DATE / ENGINEER

Test Date	June 11, 2025	Test By	Bairong Liu

TEST RESULTS

Please refer to section "Test Data" - Appendix G

8. RADIATED TEST RESULTS

LIMITS

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

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

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

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30

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

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

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

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

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

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

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

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

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

5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

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

7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made

to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

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

Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

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

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

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

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

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

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

Above 1 GHz

The setting of the spectrum analyzer

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

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

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

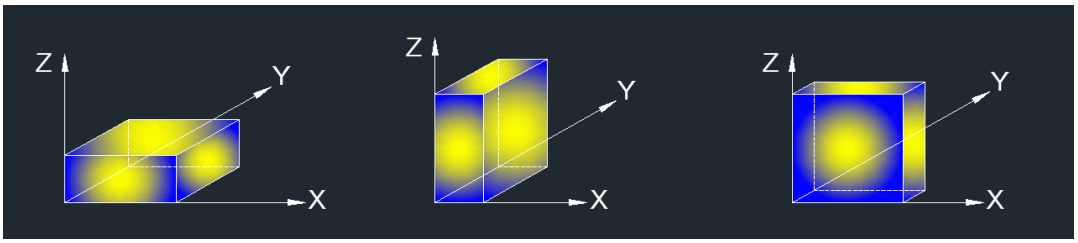
3. The EUT was placed on a turntable with 1.5 m above ground.

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

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

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.5. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



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

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

For Radiate Spurious emission (9 kHz ~ 30 MHz):
Note:
1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All modes have been tested, but only the worst data was recorded in the report.
5. dBuA/m= dBuV/m- 20Log10[120π] = dBuV/m- 51.5

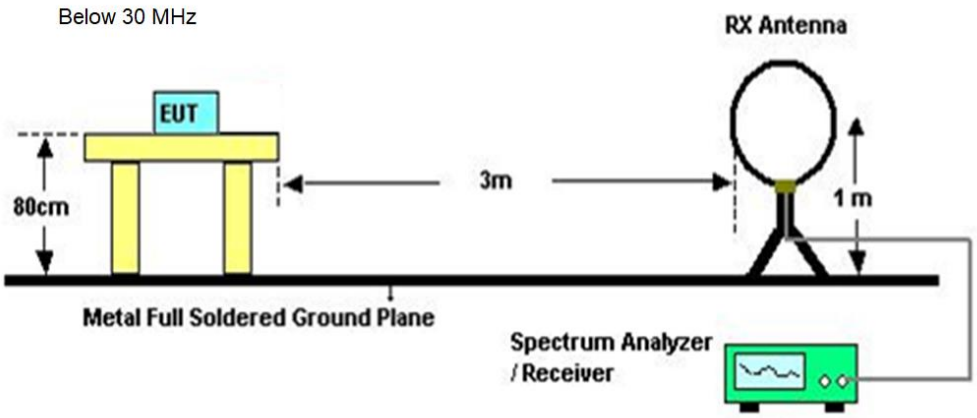
For Radiate Spurious Emission (30 MHz ~ 1 GHz):
Note:
1. Result Level = Read Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All modes have been tested, but only the worst data was recorded in the report.

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

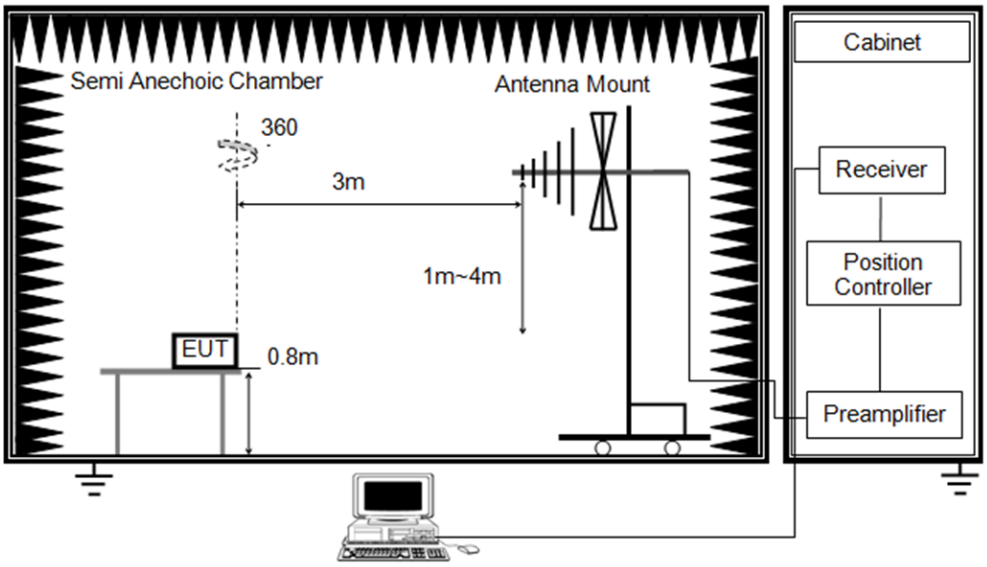
For Radiate Spurious Emission (3 GHz ~ 18 GHz):
Note:
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (18 GHz ~ 26 GHz):
Note:
1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. All modes have been tested, but only the worst data was recorded in the report.

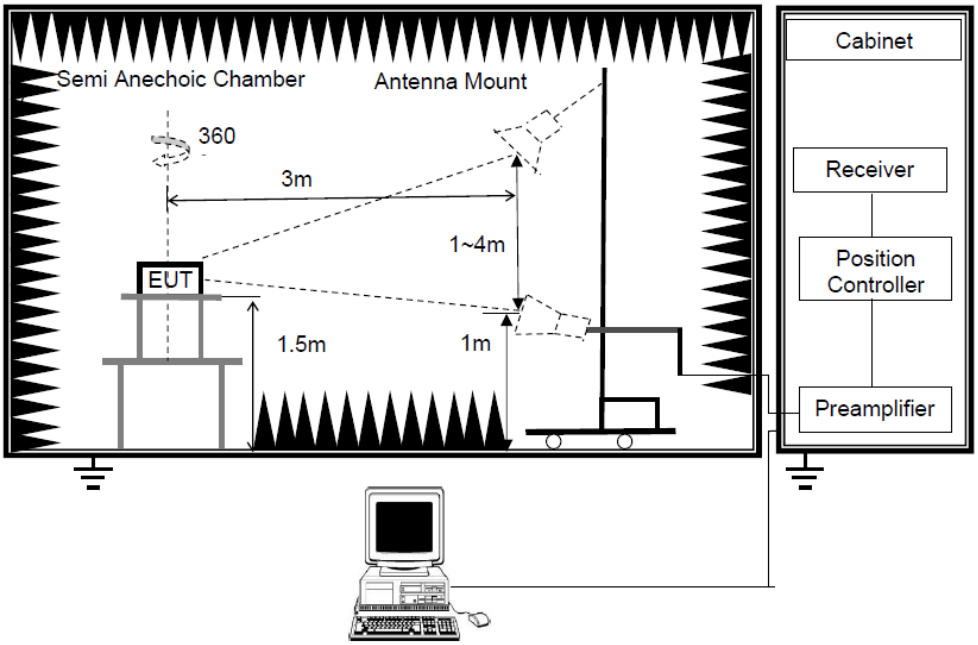
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	21.8℃	Relative Humidity	57.8%
Atmosphere Pressure	101kPa	Test Voltage	

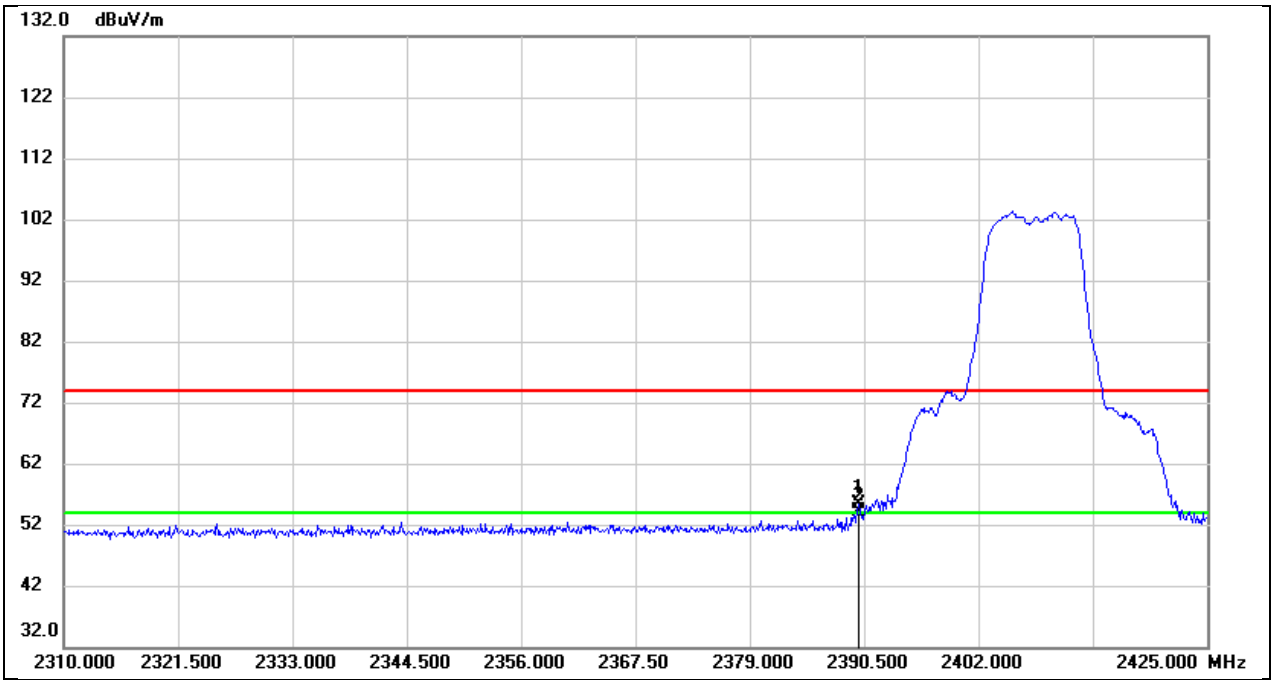
TEST DATE / ENGINEER

Test Date	June 27, 2025	Test By	Mason Wang

TEST RESULTS

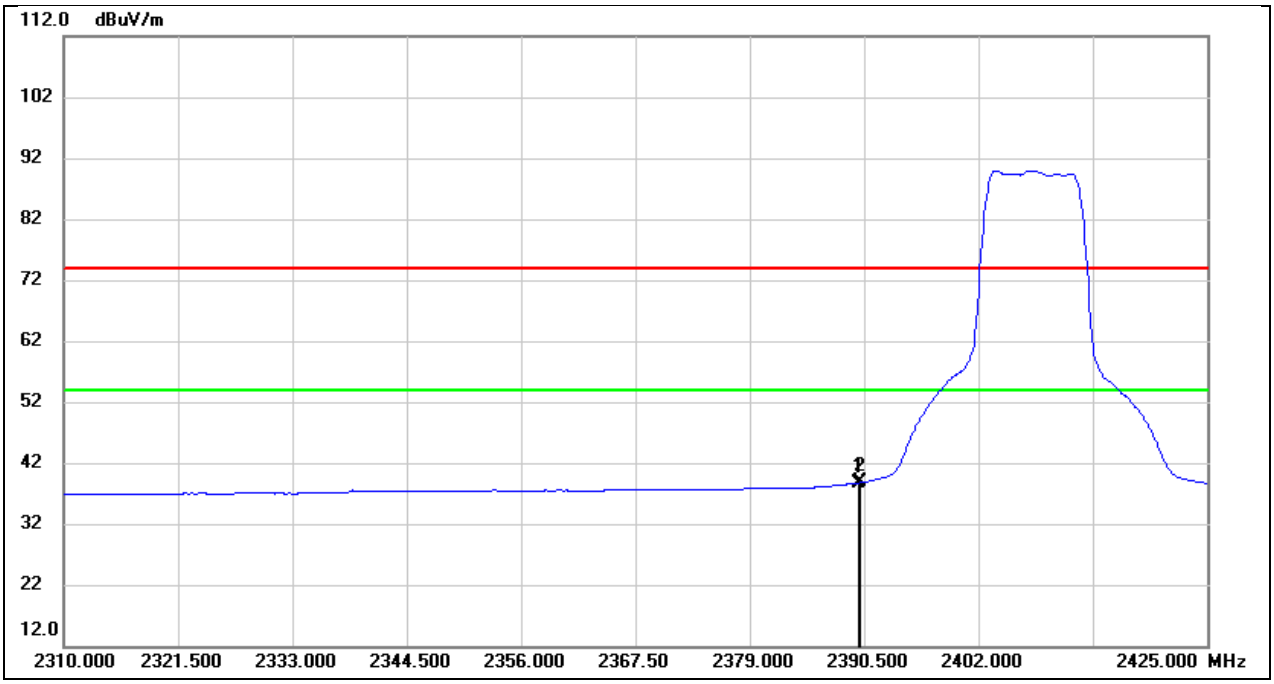
8.1. RESTRICTED BANDEDGE

Test Mode:	SRD 2.4G 10M PK	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 5V



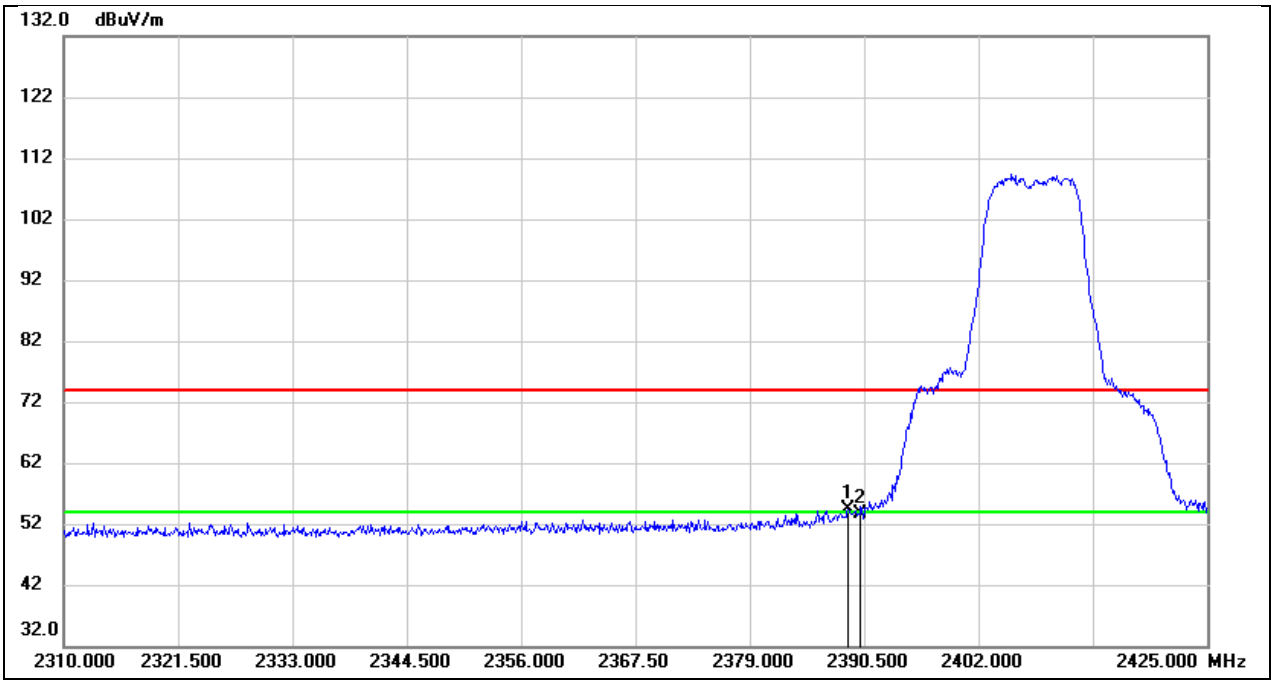
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.925	23.71	31.69	55.40	74.00	-18.60	peak
2	2390.000	22.33	31.69	54.02	74.00	-19.98	peak

Test Mode:	SRD 2.4G 10M AV	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 5V



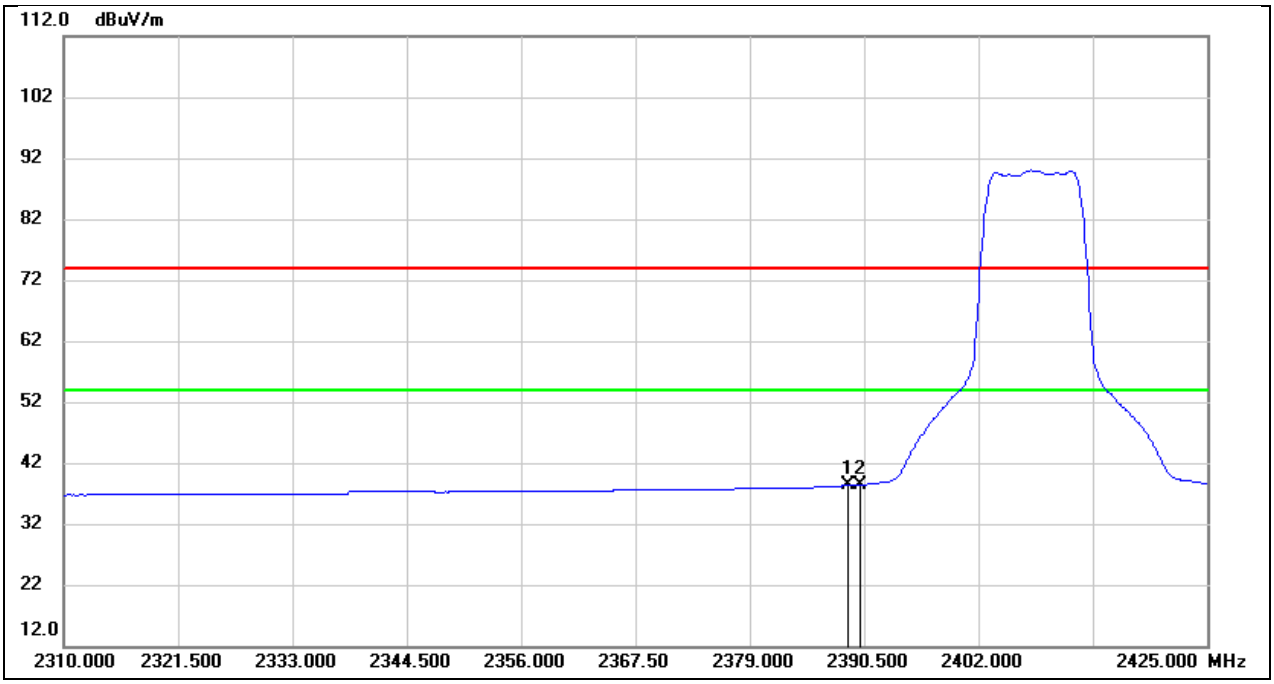
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.925	7.05	31.69	38.74	54.00	-15.26	AVG
2	2390.000	7.10	31.69	38.79	54.00	-15.21	AVG

Test Mode:	SRD 2.4G 10M PK	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 5V



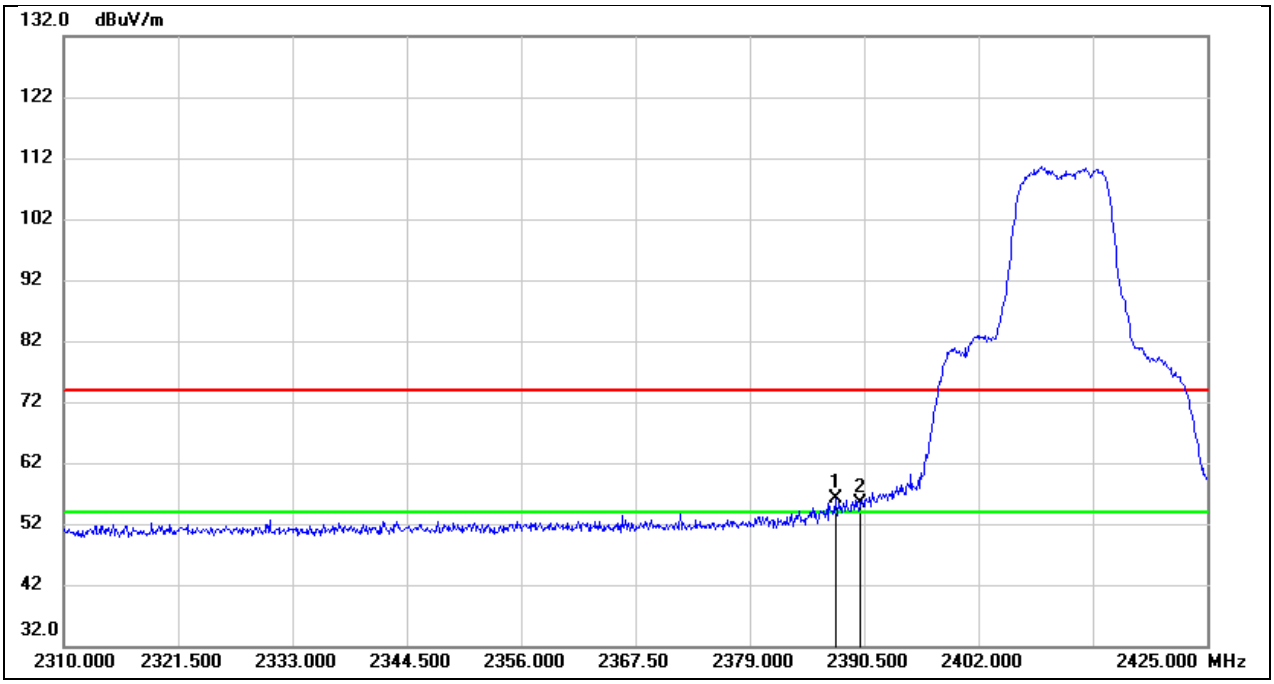
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.890	22.58	31.68	54.26	74.00	-19.74	peak
2	2390.000	22.02	31.69	53.71	74.00	-20.29	peak

Test Mode:	SRD 2.4G 10M AV	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 5V



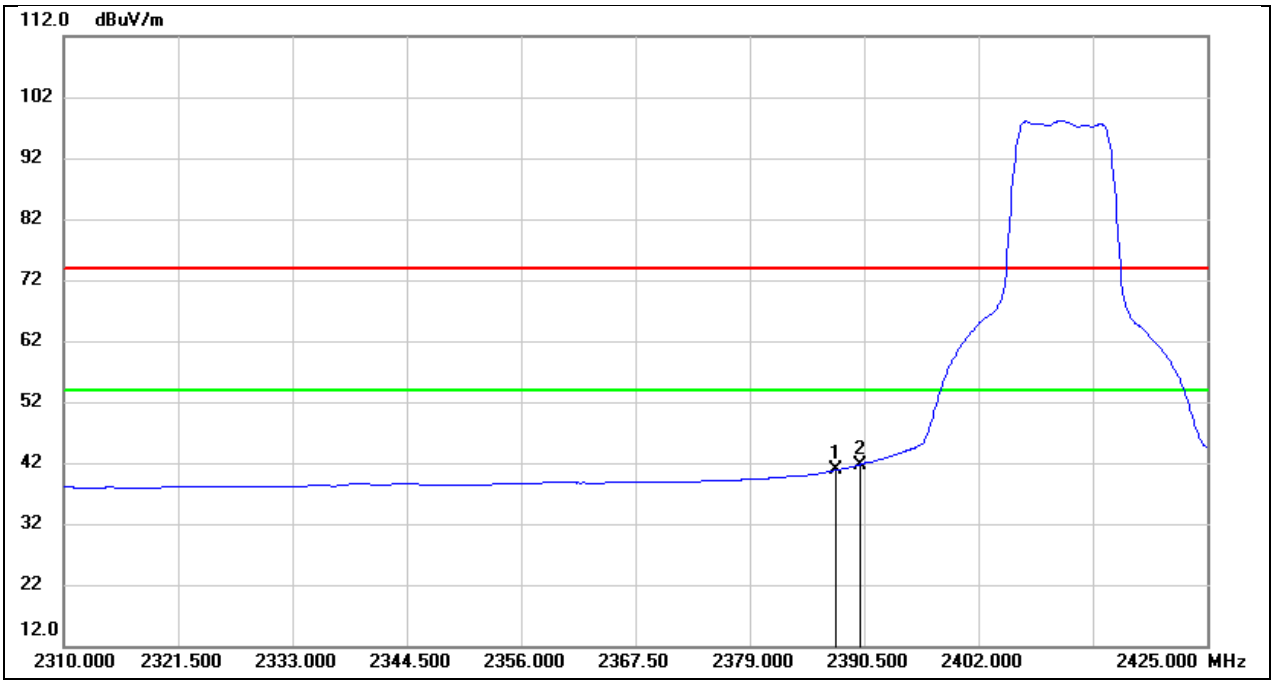
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.890	6.62	31.68	38.30	54.00	-15.70	AVG
2	2390.000	6.66	31.69	38.35	54.00	-15.65	AVG

Test Mode:	SRD 2.4G 10M PK	Frequency(MHz):	2410.5
Polarity:	Horizontal	Test Voltage:	DC 5V



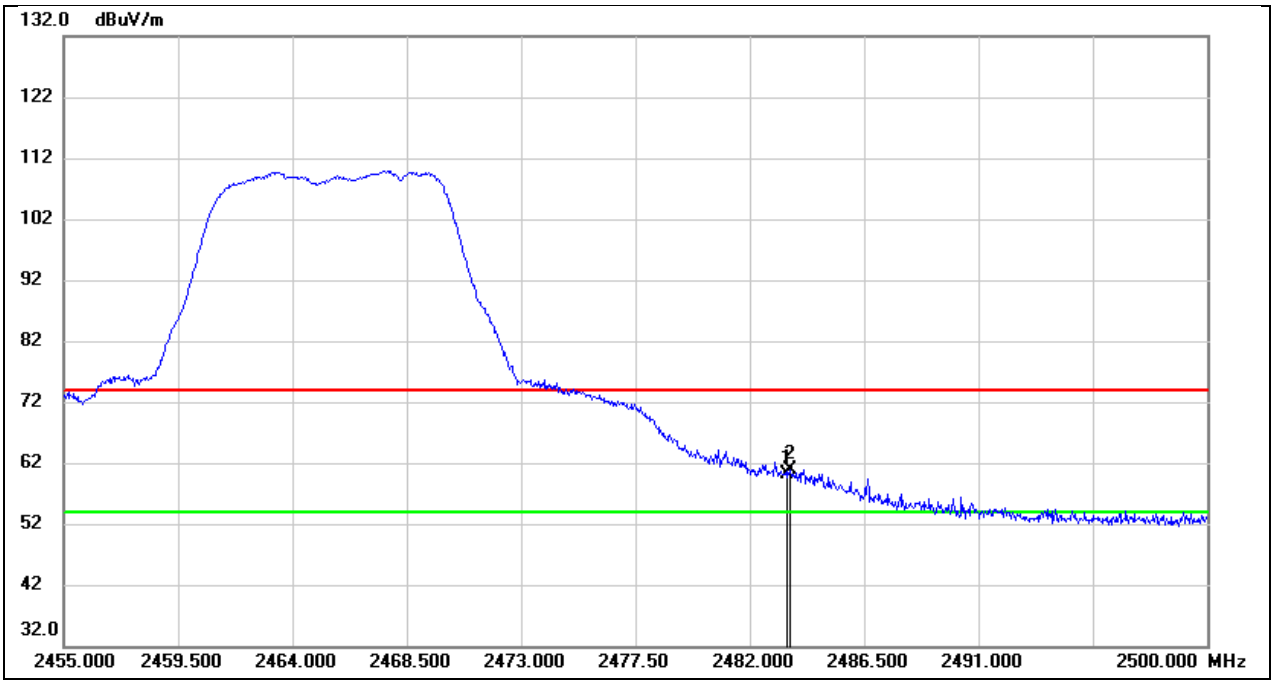
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.625	24.40	31.68	56.08	74.00	-17.92	peak
2	2390.000	23.57	31.69	55.26	74.00	-18.74	peak

Test Mode:	SRD 2.4G 10M AV	Frequency(MHz):	2410.5
Polarity:	Horizontal	Test Voltage:	DC 5V



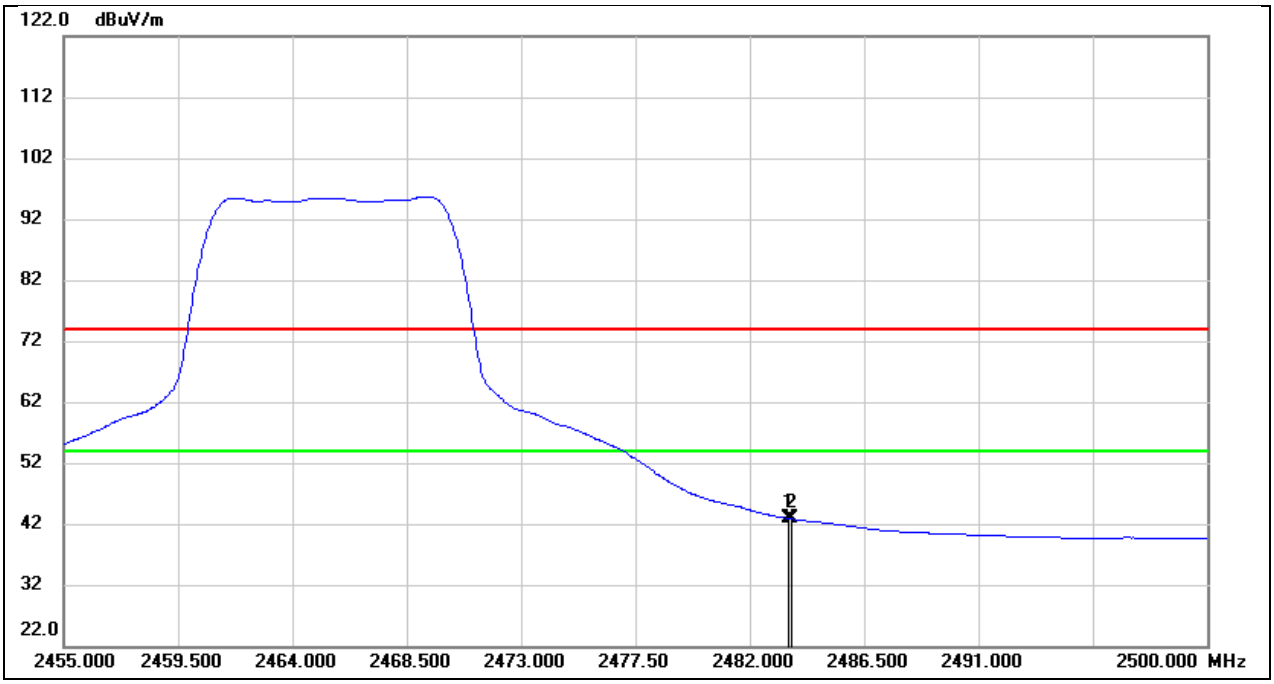
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.625	9.12	31.68	40.80	54.00	-13.20	AVG
2	2390.000	10.06	31.69	41.75	54.00	-12.25	AVG

Test Mode:	SRD 2.4G 10M PK	Frequency(MHz):	2465.5
Polarity:	Horizontal	Test Voltage:	DC 5V



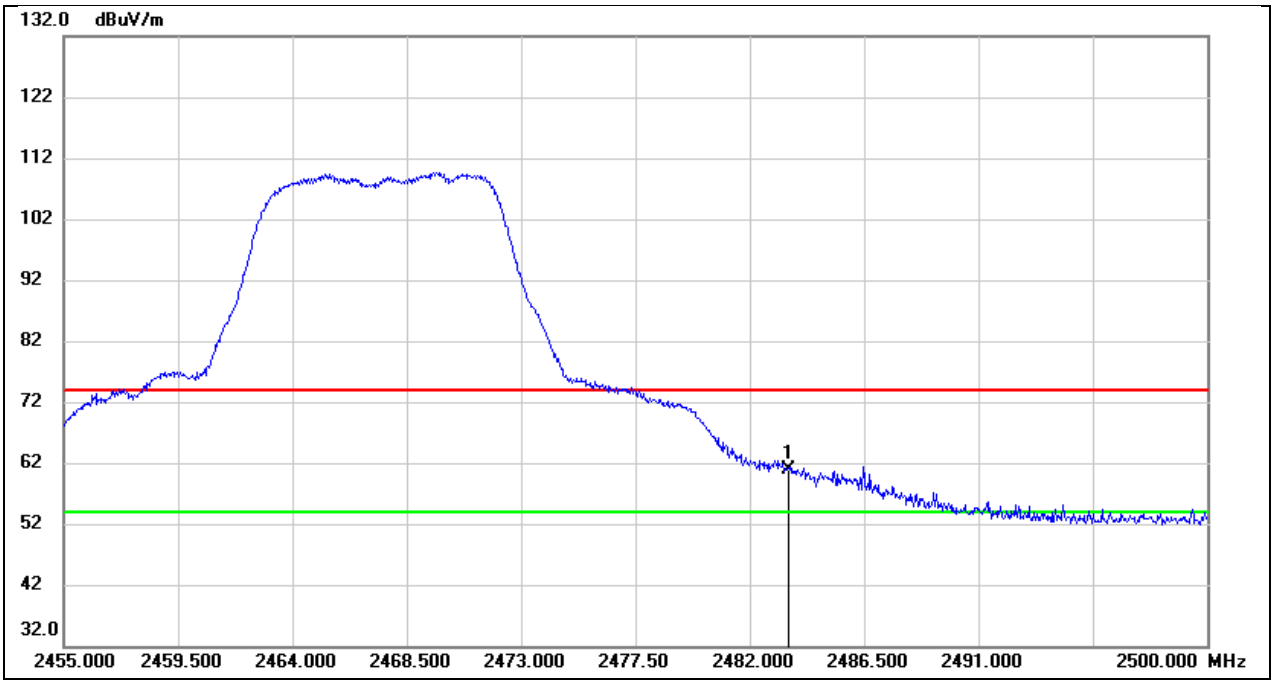
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	28.18	31.99	60.17	74.00	-13.83	peak
2	2483.575	28.86	31.99	60.85	74.00	-13.15	peak

Test Mode:	SRD 2.4G 10M AV	Frequency(MHz):	2465.5
Polarity:	Horizontal	Test Voltage:	DC 5V



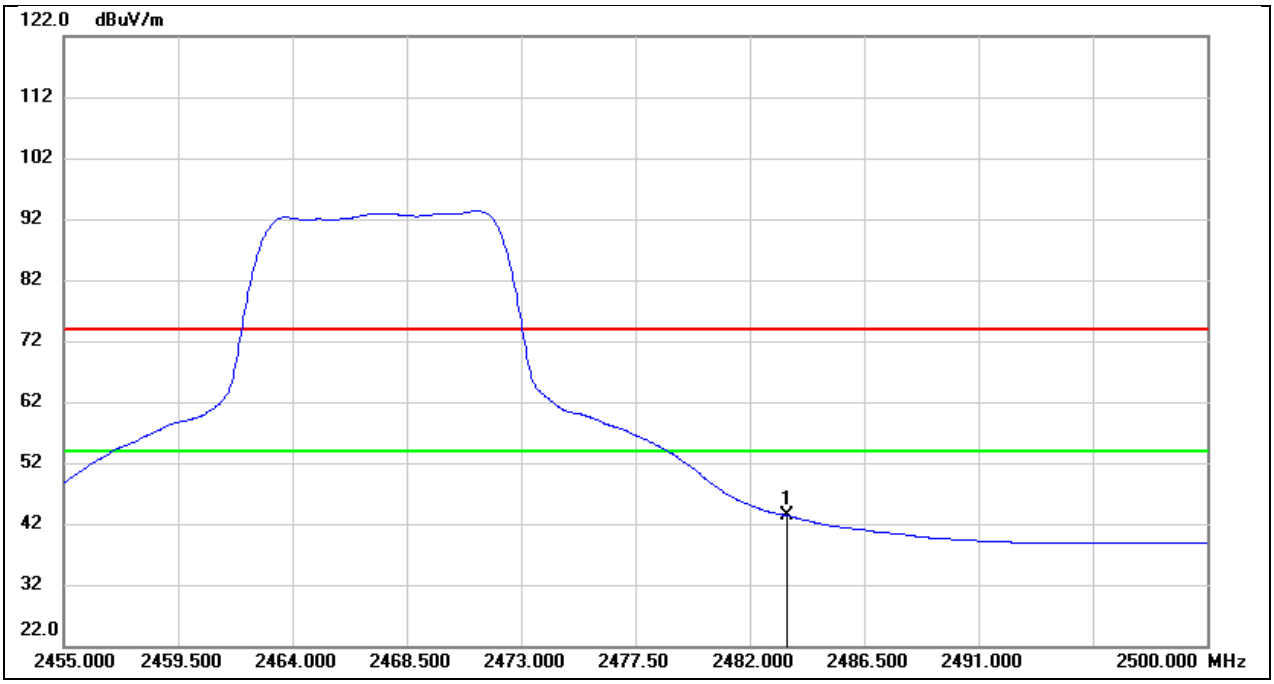
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	10.89	31.99	42.88	54.00	-11.12	AVG
2	2483.575	10.89	31.99	42.88	54.00	-11.12	AVG

Test Mode:	SRD 2.4G 10M PK	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 5V



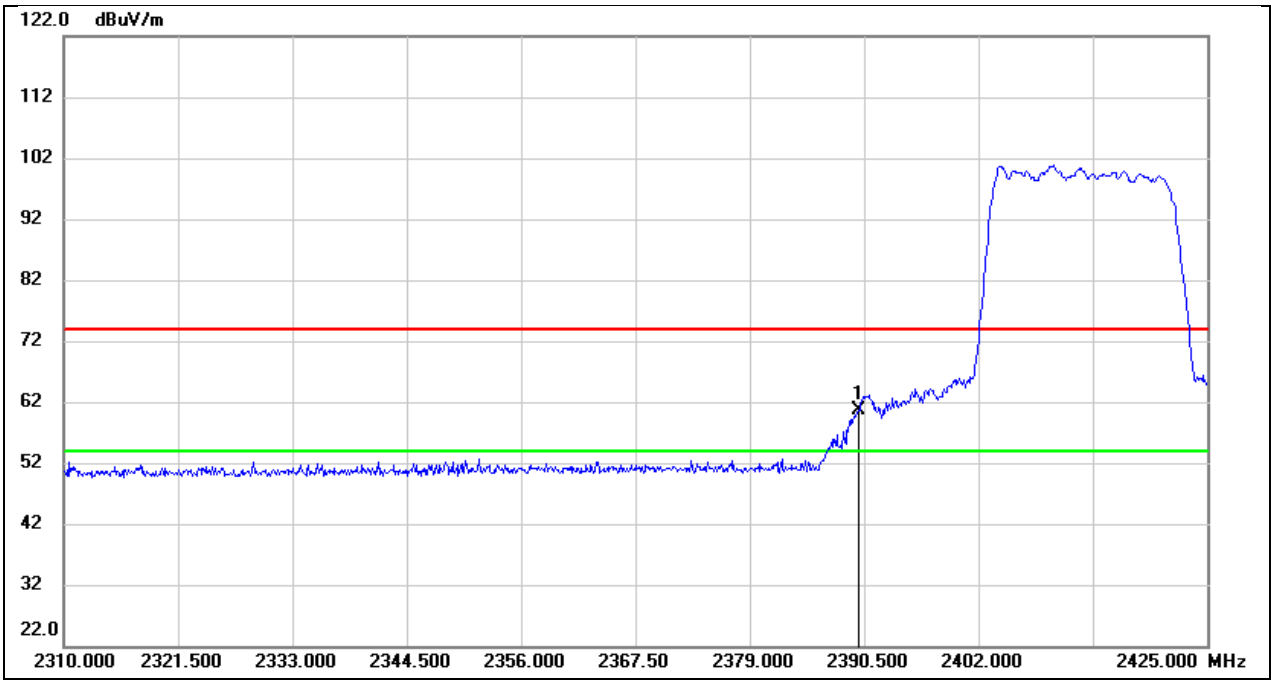
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.01	31.99	61.00	74.00	-13.00	peak

Test Mode:	SRD 2.4G 10M AV	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 5V



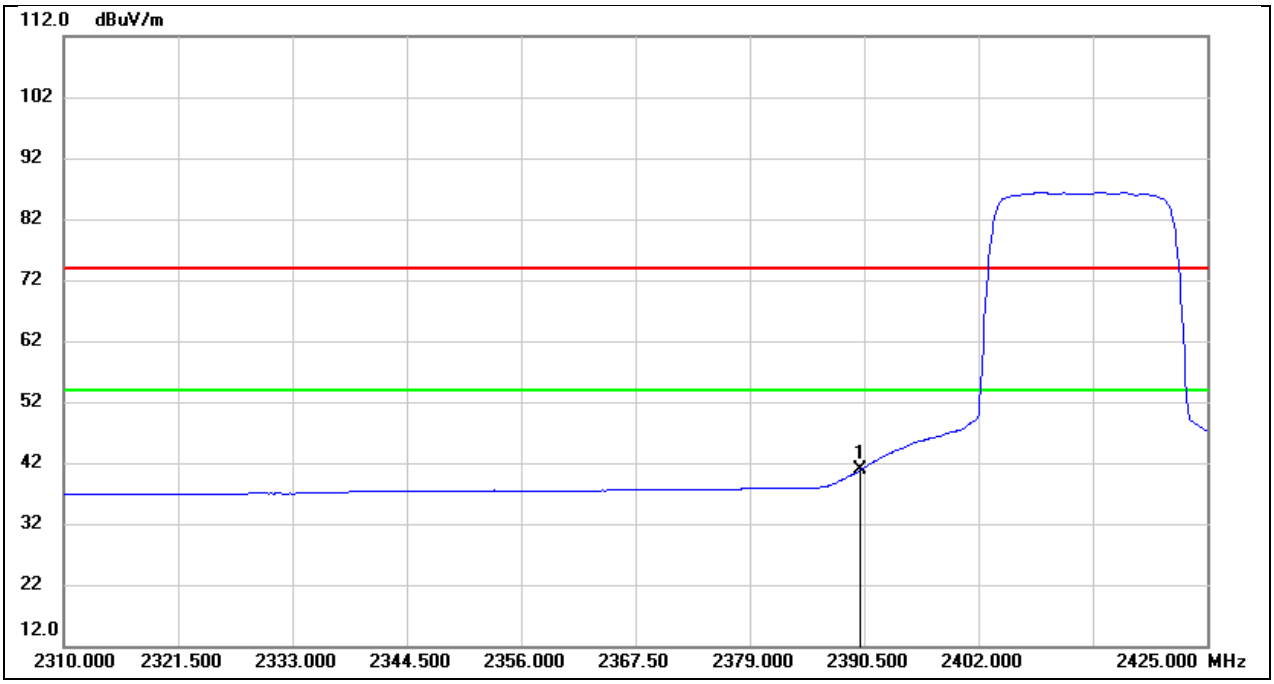
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.36	31.99	43.35	54.00	-10.65	AVG

Test Mode:	SRD 2.4G 20M PK	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 5V



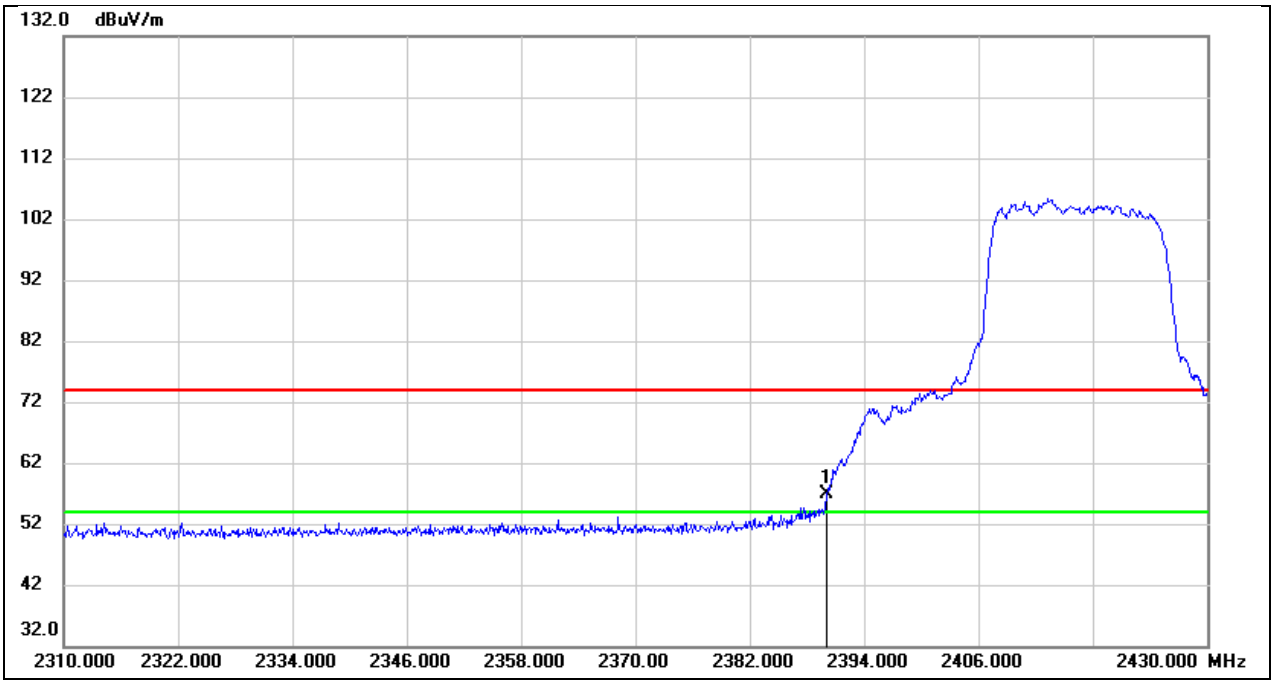
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.00	31.69	60.69	74.00	-13.31	peak

Test Mode:	SRD 2.4G 20M AV	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 5V



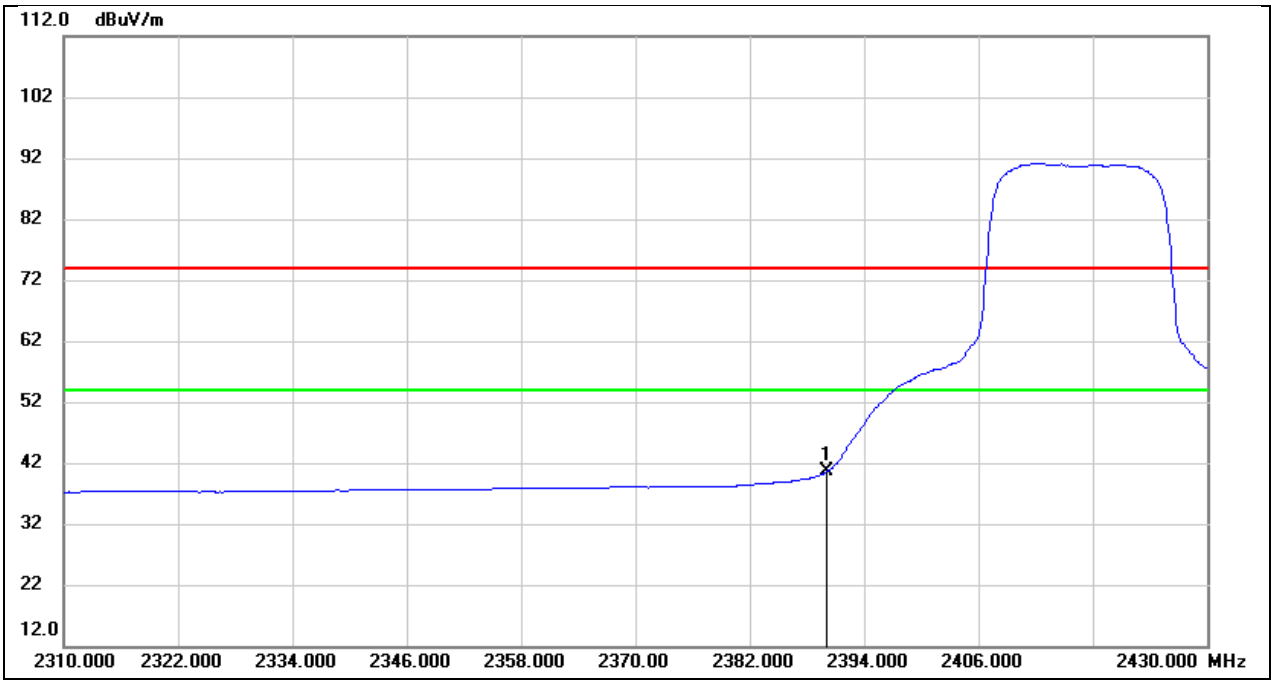
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	9.07	31.69	40.76	54.00	-13.24	AVG

Test Mode:	SRD 2.4G 20M PK	Frequency(MHz):	2416.5
Polarity:	Horizontal	Test Voltage:	DC 5V



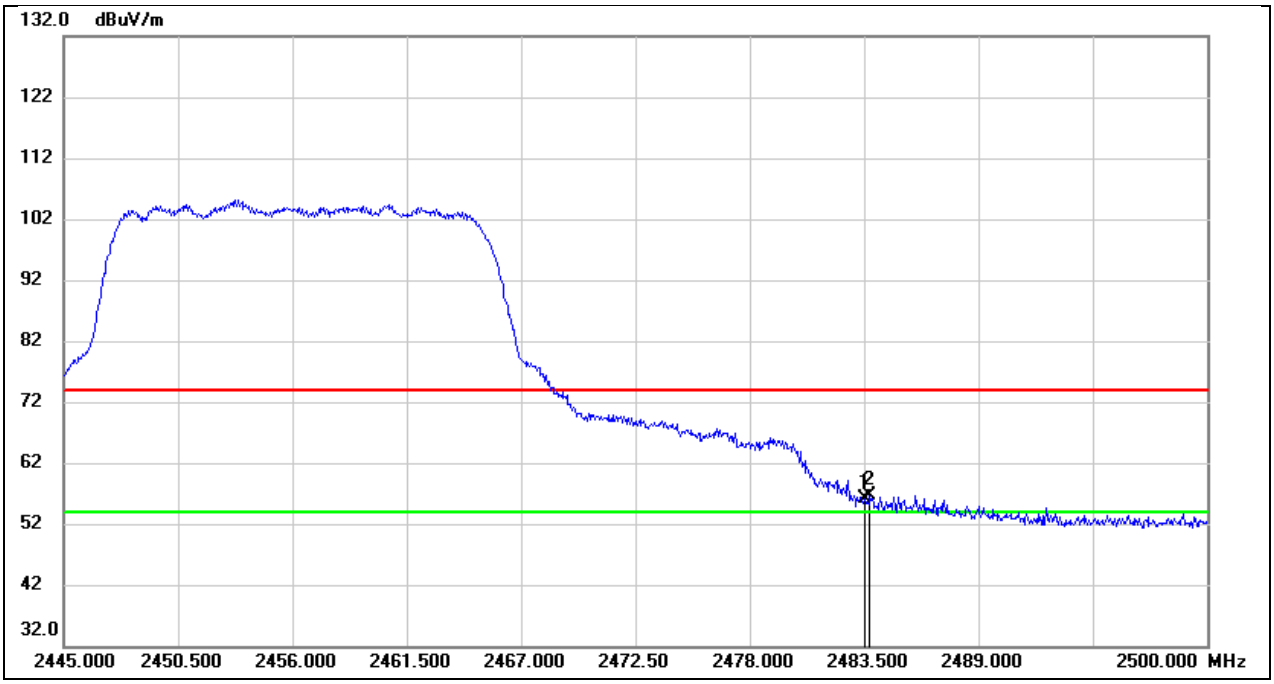
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	25.13	31.69	56.82	74.00	-17.18	peak

Test Mode:	SRD 2.4G 20M AV	Frequency(MHz):	2416.5
Polarity:	Horizontal	Test Voltage:	DC 5V



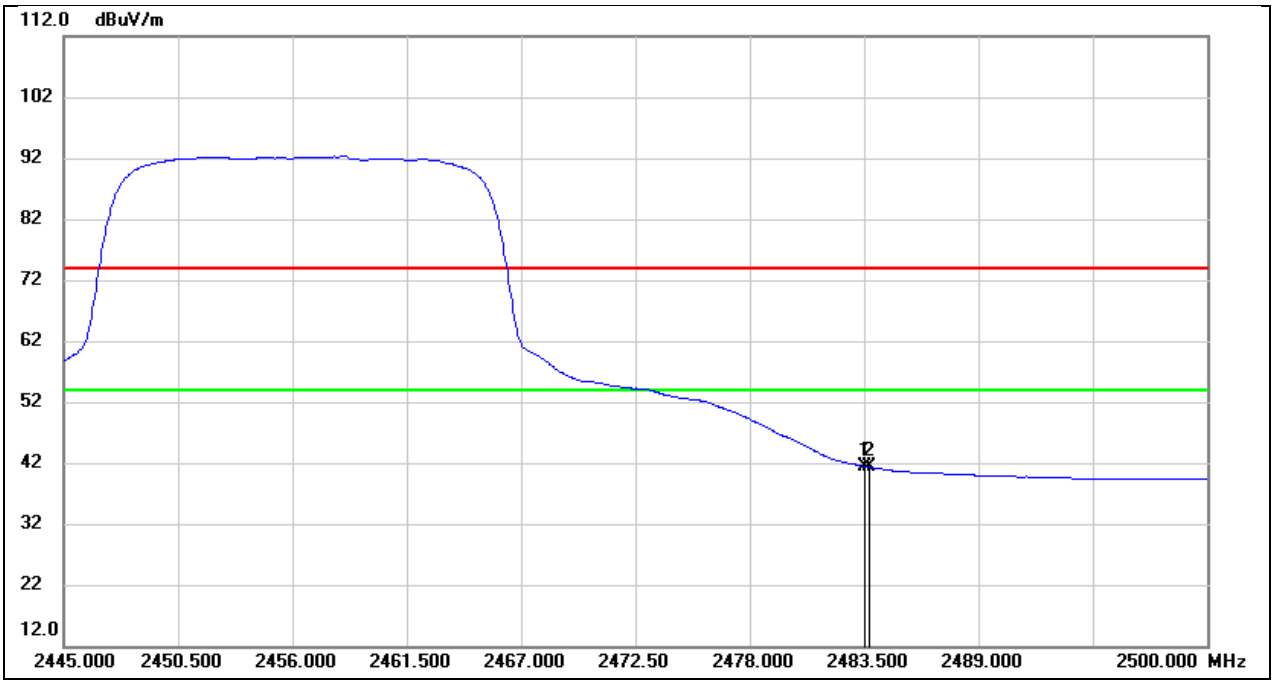
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	8.84	31.69	40.53	54.00	-13.47	AVG

Test Mode:	SRD 2.4G 20M PK	Frequency(MHz):	2456.5
Polarity:	Horizontal	Test Voltage:	DC 5V



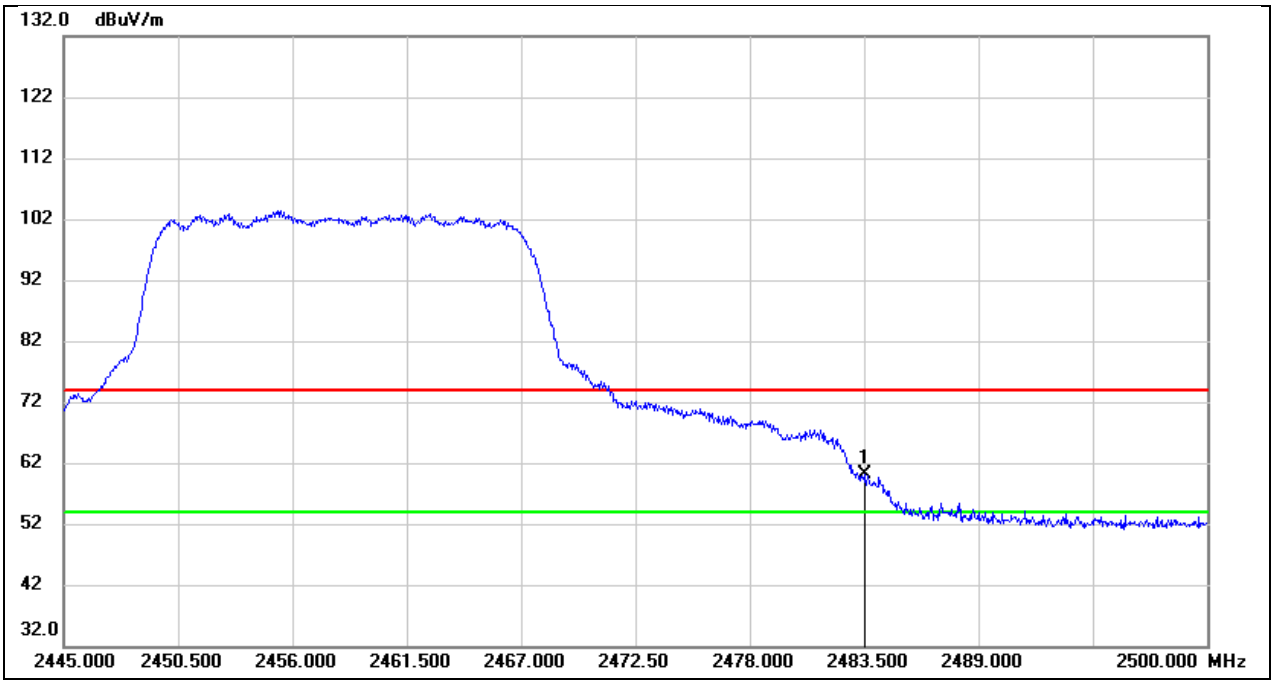
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	24.20	31.99	56.19	74.00	-17.81	peak
2	2483.775	24.64	31.99	56.63	74.00	-17.37	peak

Test Mode:	SRD 2.4G 20M AV	Frequency(MHz):	2456.5
Polarity:	Horizontal	Test Voltage:	DC 5V



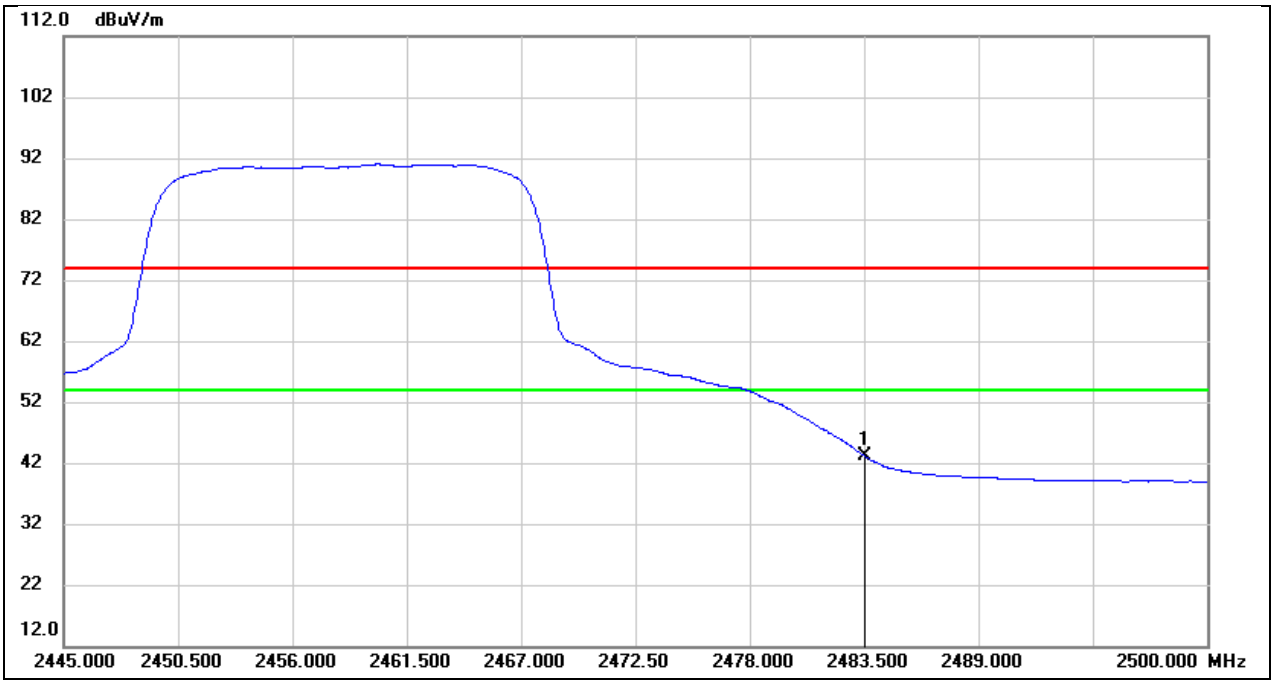
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	9.50	31.99	41.49	54.00	-12.51	AVG
2	2483.775	9.27	31.99	41.26	54.00	-12.74	AVG

Test Mode:	SRD 2.4G 20M PK	Frequency(MHz):	2458.5
Polarity:	Horizontal	Test Voltage:	DC 5V



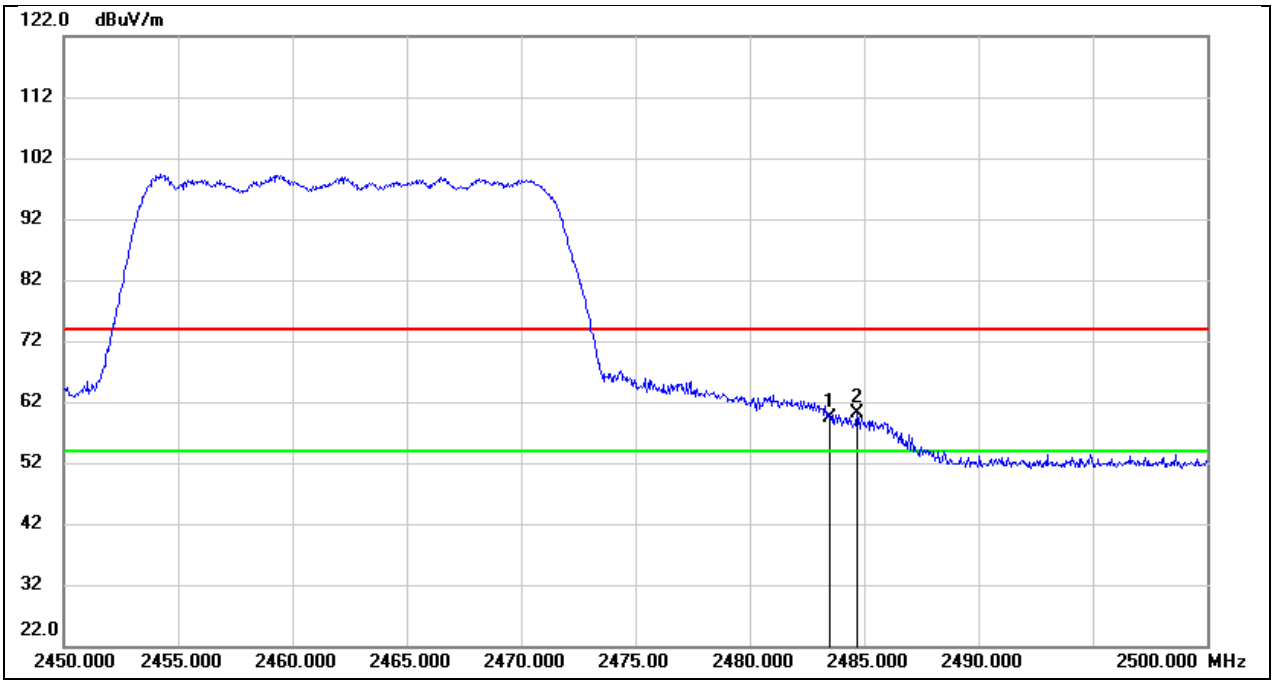
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	28.09	31.99	60.08	74.00	-13.92	peak

Test Mode:	SRD 2.4G 20M AV	Frequency(MHz):	2458.5
Polarity:	Horizontal	Test Voltage:	DC 5V



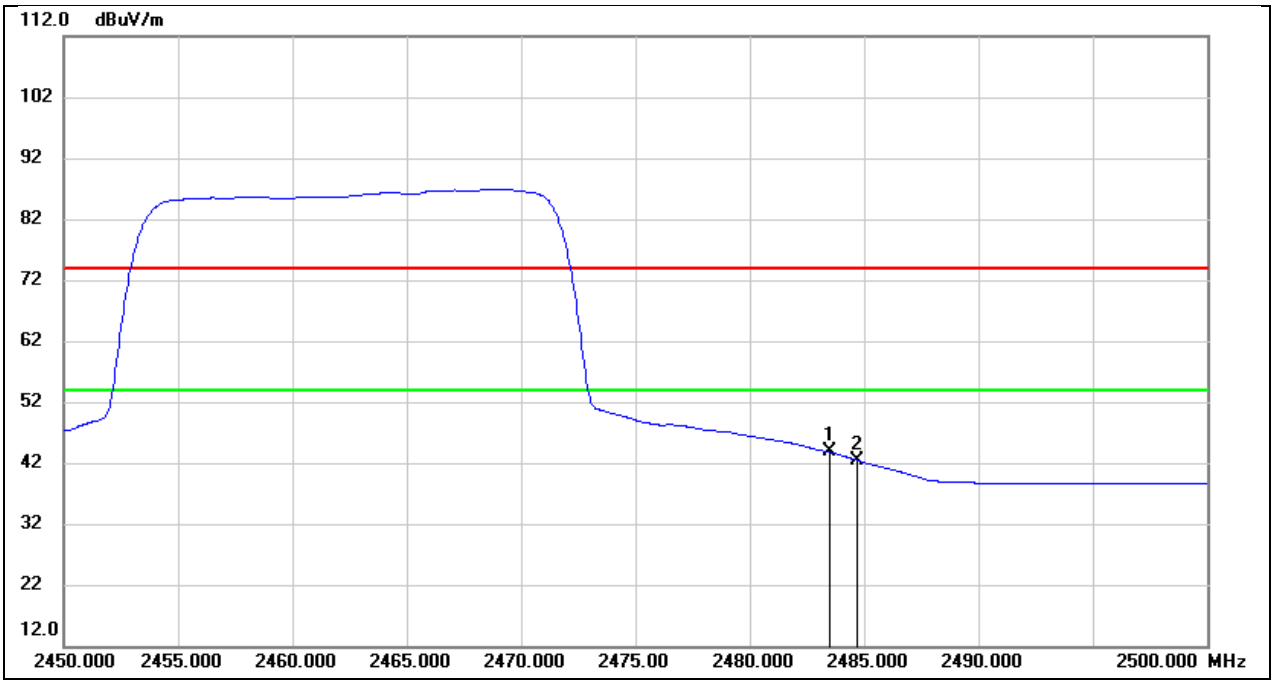
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.16	31.99	43.15	54.00	-10.85	AVG

Test Mode:	SRD 2.4G 20M PK	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 5V



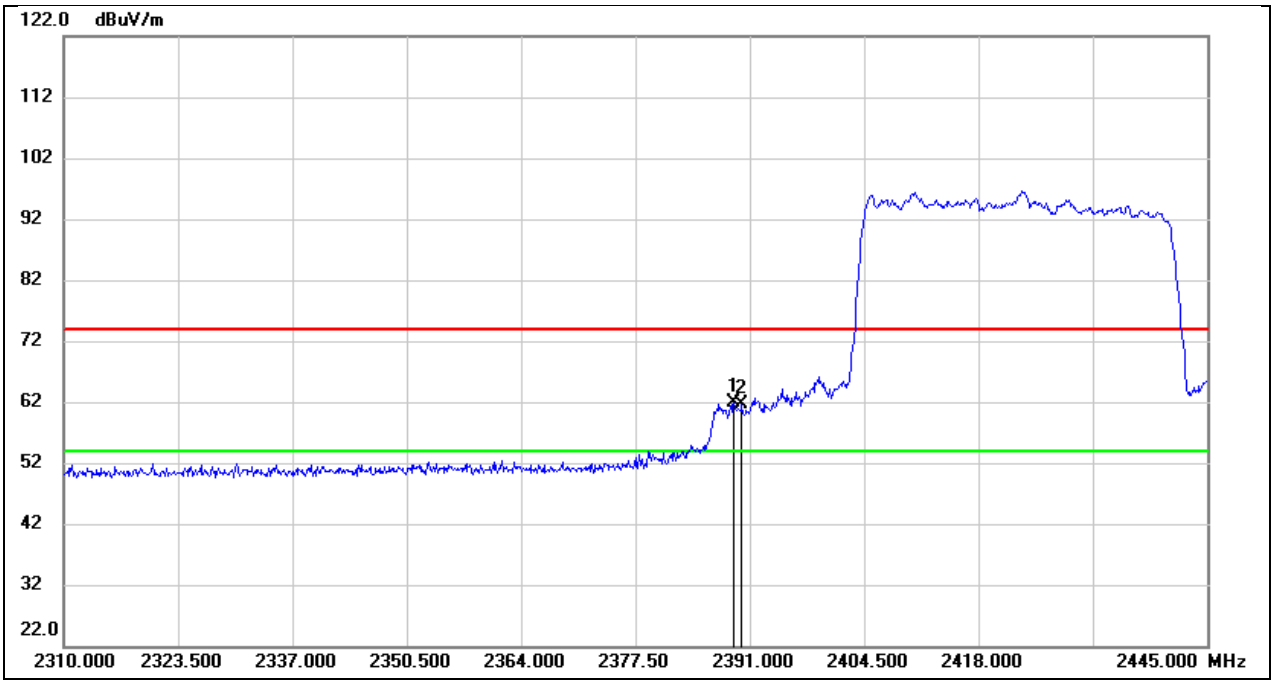
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	27.34	31.99	59.33	74.00	-14.67	peak
2	2484.700	28.11	31.99	60.10	74.00	-13.90	peak

Test Mode:	SRD 2.4G 20M AV	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 5V



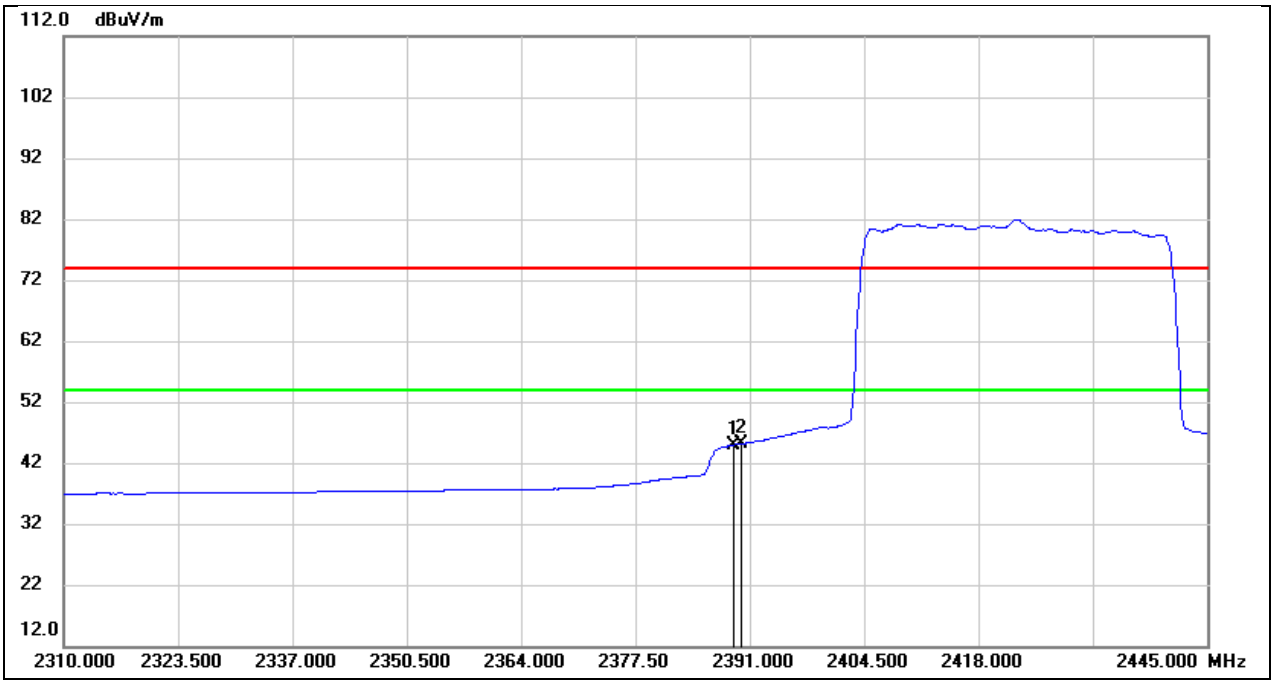
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.77	31.99	43.76	54.00	-10.24	AVG
2	2484.700	10.48	31.99	42.47	54.00	-11.53	AVG

Test Mode:	SRD 2.4G 40M PK	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 5V



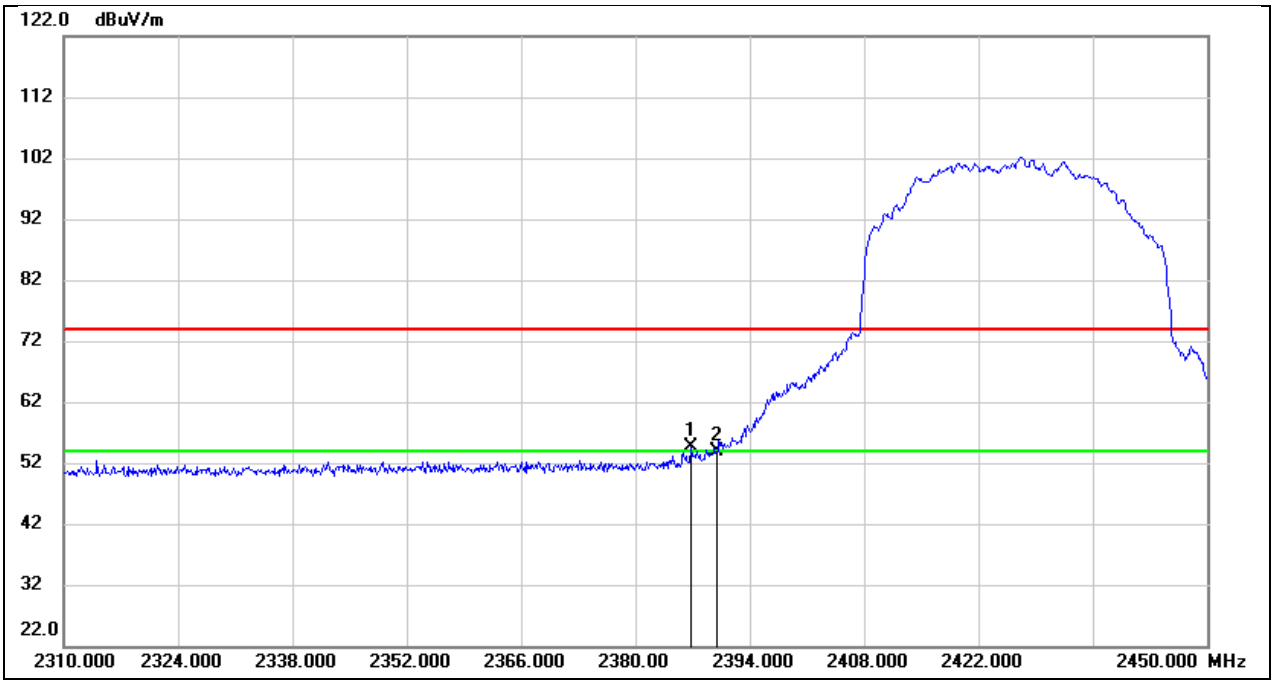
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.110	30.19	31.68	61.87	74.00	-12.13	peak
2	2390.000	29.90	31.69	61.59	74.00	-12.41	peak

Test Mode:	SRD 2.4G 40M AV	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 5V



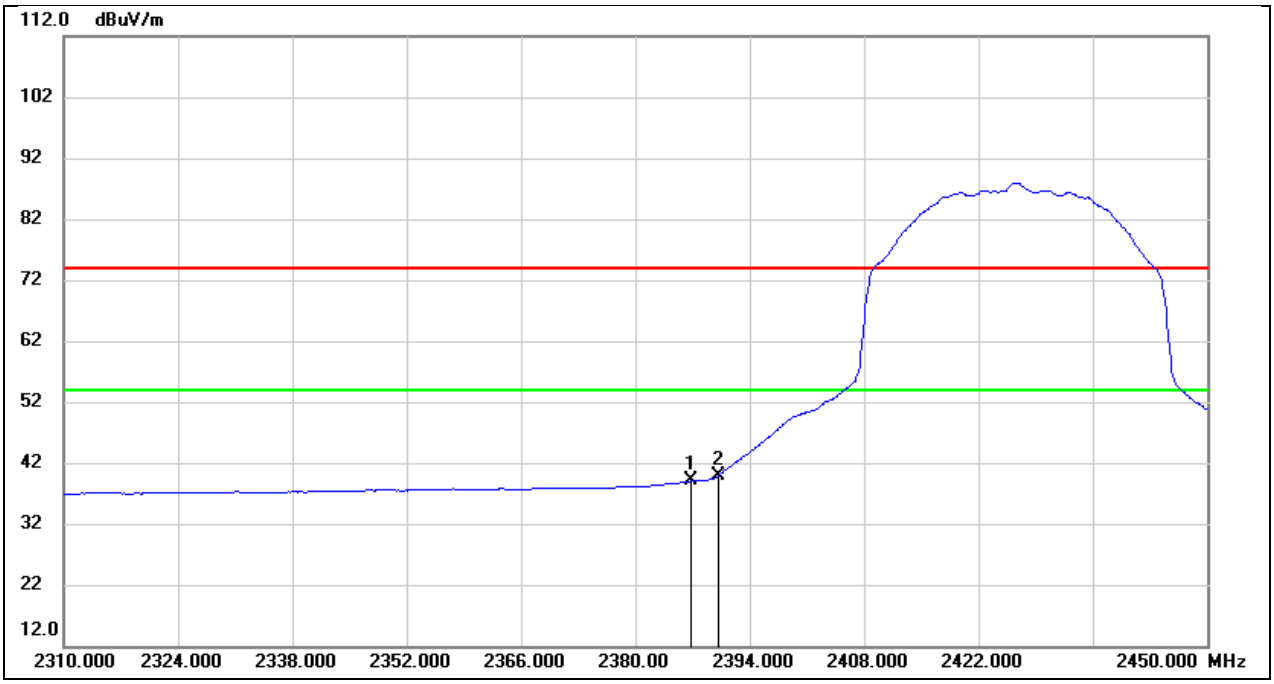
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.110	13.29	31.68	44.97	54.00	-9.03	AVG
2	2390.000	13.46	31.69	45.15	54.00	-8.85	AVG

Test Mode:	SRD 2.4G 40M PK	Frequency(MHz):	2426.5
Polarity:	Horizontal	Test Voltage:	DC 5V



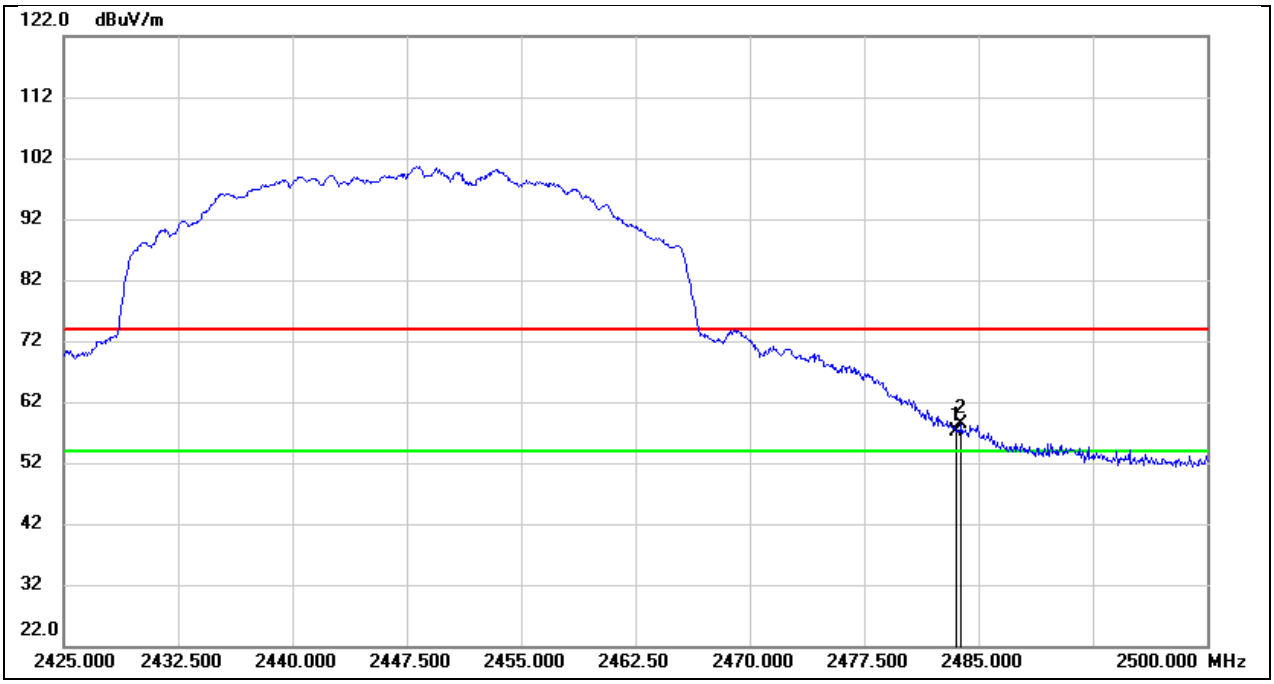
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.860	22.91	31.68	54.59	74.00	-19.41	peak
2	2390.000	22.15	31.69	53.84	74.00	-20.16	peak

Test Mode:	SRD 2.4G 40M AV	Frequency(MHz):	2426.5
Polarity:	Horizontal	Test Voltage:	DC 5V



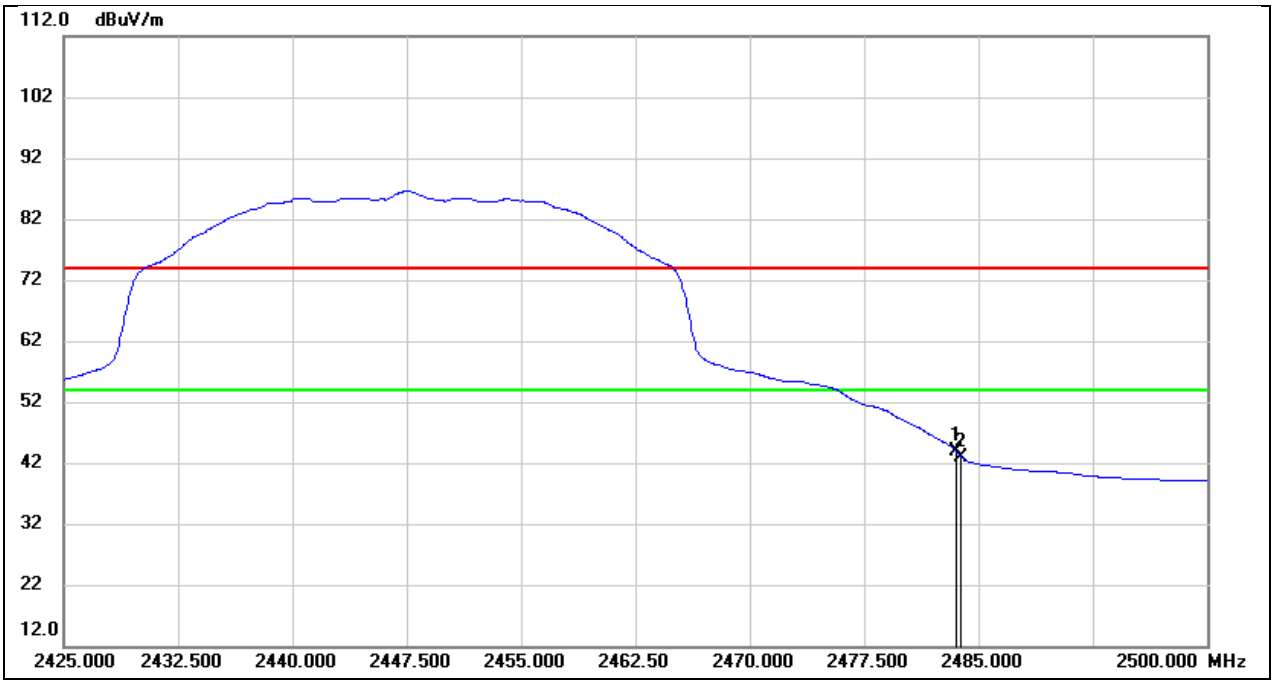
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.860	7.34	31.68	39.02	54.00	-14.98	AVG
2	2390.000	8.12	31.69	39.81	54.00	-14.19	AVG

Test Mode:	SRD 2.4G 40M PK	Frequency(MHz):	2447.5
Polarity:	Horizontal	Test Voltage:	DC 5V



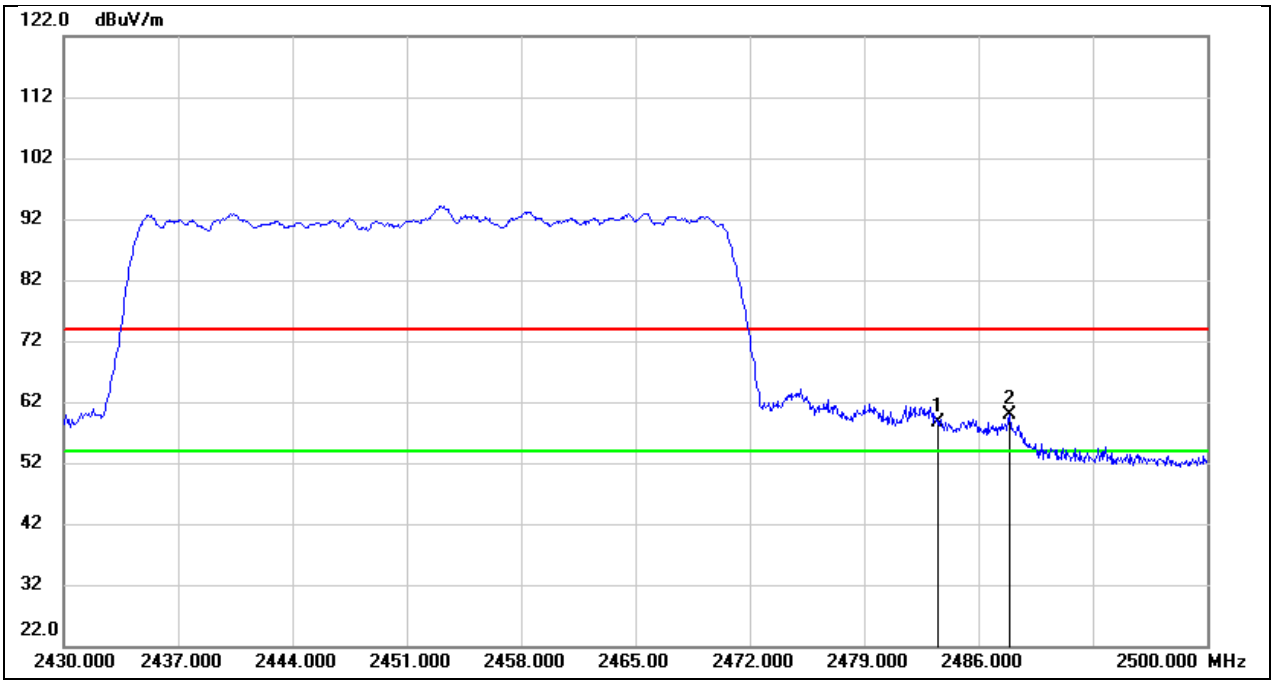
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	25.08	31.99	57.07	74.00	-16.93	peak
2	2483.875	26.28	31.99	58.27	74.00	-15.73	peak

Test Mode:	SRD 2.4G 40M AV	Frequency(MHz):	2447.5
Polarity:	Horizontal	Test Voltage:	DC 5V



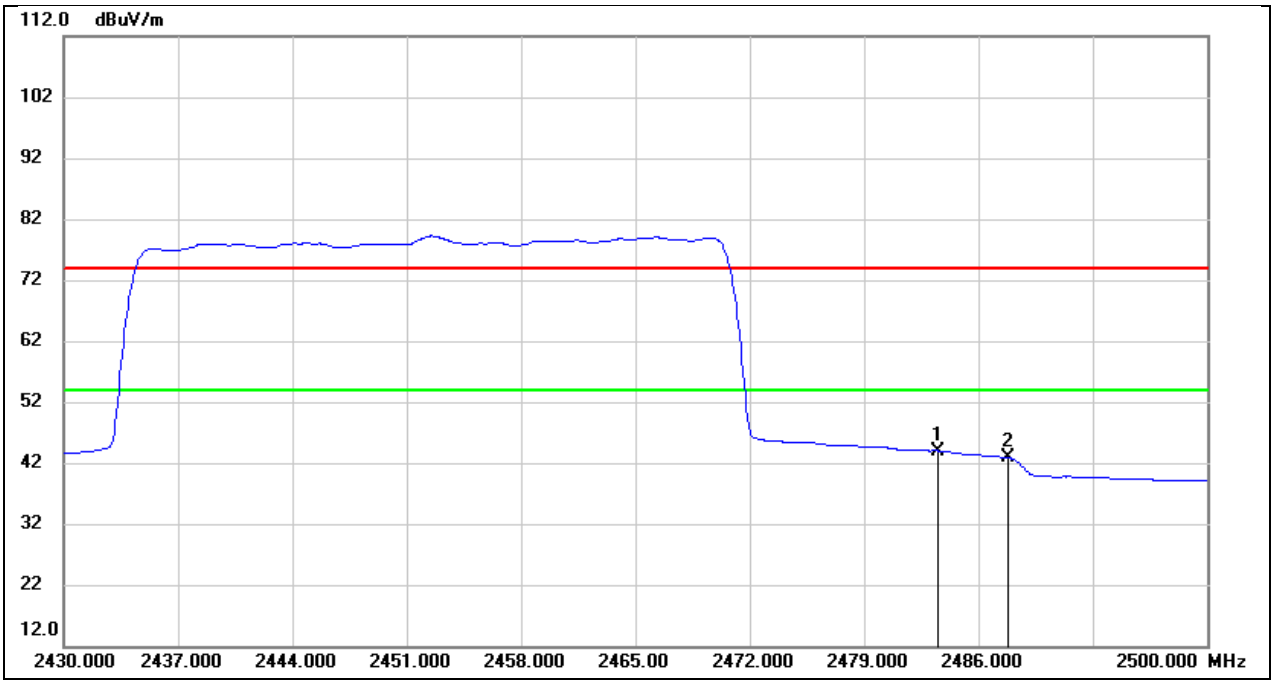
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.98	31.99	43.97	54.00	-10.03	AVG
2	2483.875	10.96	31.99	42.95	54.00	-11.05	AVG

Test Mode:	SRD 2.4G 40M PK	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 5V



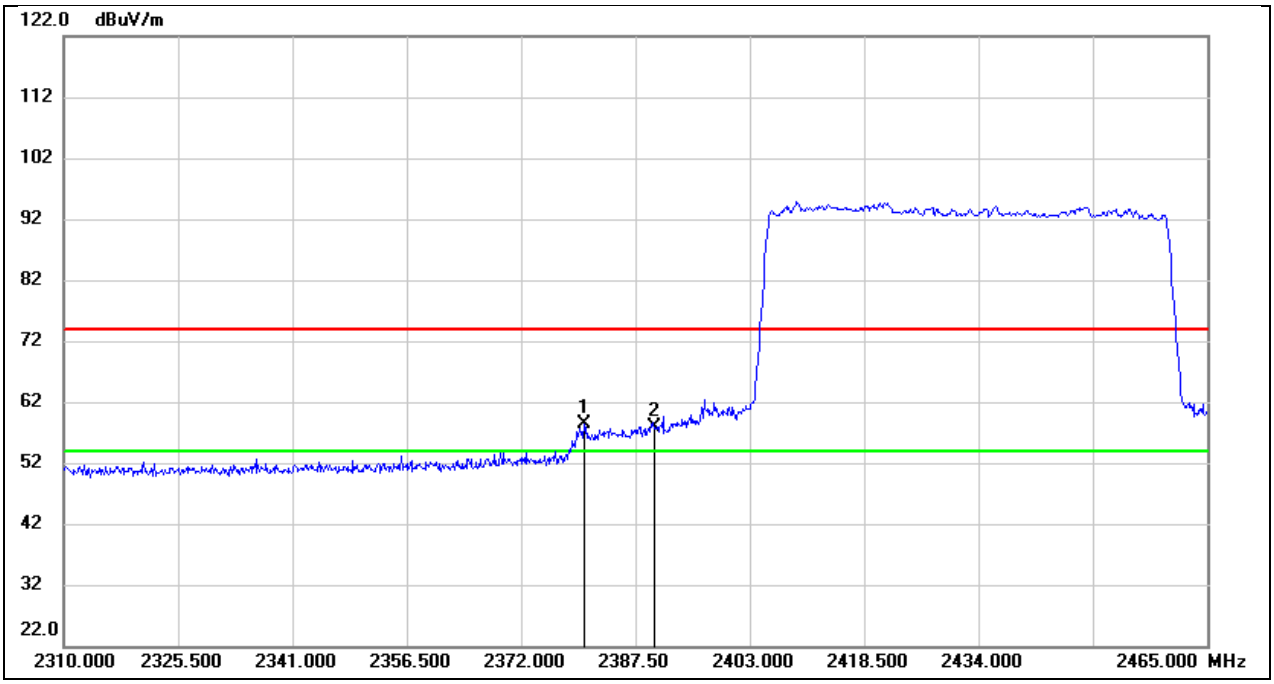
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	26.74	31.99	58.73	74.00	-15.27	peak
2	2487.890	27.92	32.00	59.92	74.00	-14.08	peak

Test Mode:	SRD 2.4G 40M AV	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 5V



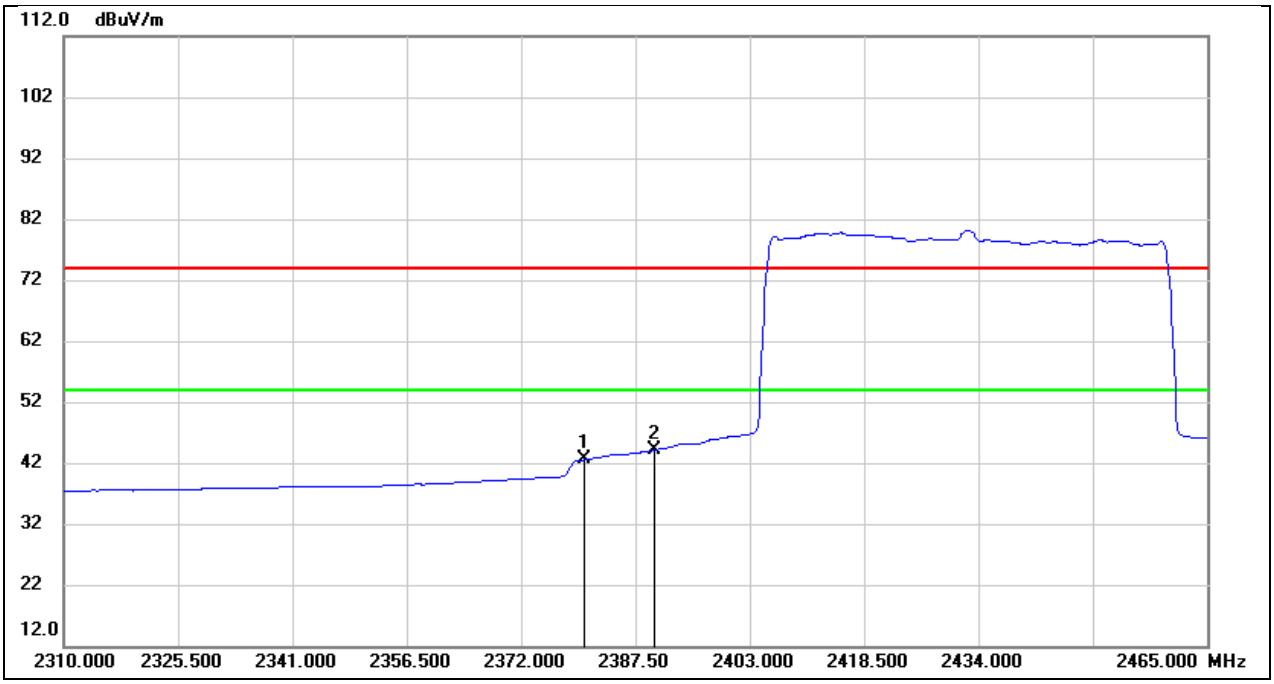
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	12.00	31.99	43.99	54.00	-10.01	AVG
2	2487.890	10.85	32.00	42.85	54.00	-11.15	AVG

Test Mode:	SRD 2.4G 60M PK	Frequency(MHz):	2432.5
Polarity:	Horizontal	Test Voltage:	DC 5V



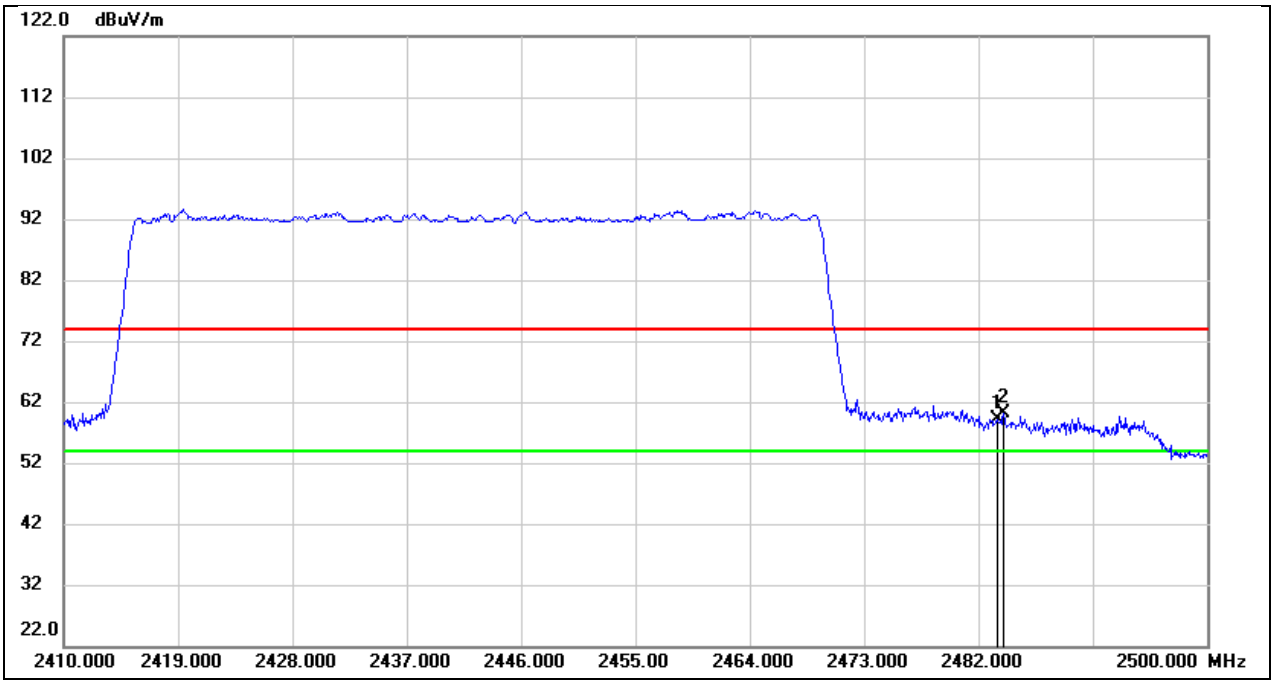
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2380.525	26.62	31.64	58.26	74.00	-15.74	peak
2	2390.000	26.14	31.69	57.83	74.00	-16.17	peak

Test Mode:	SRD 2.4G 60M AV	Frequency(MHz):	2432.5
Polarity:	Horizontal	Test Voltage:	DC 5V



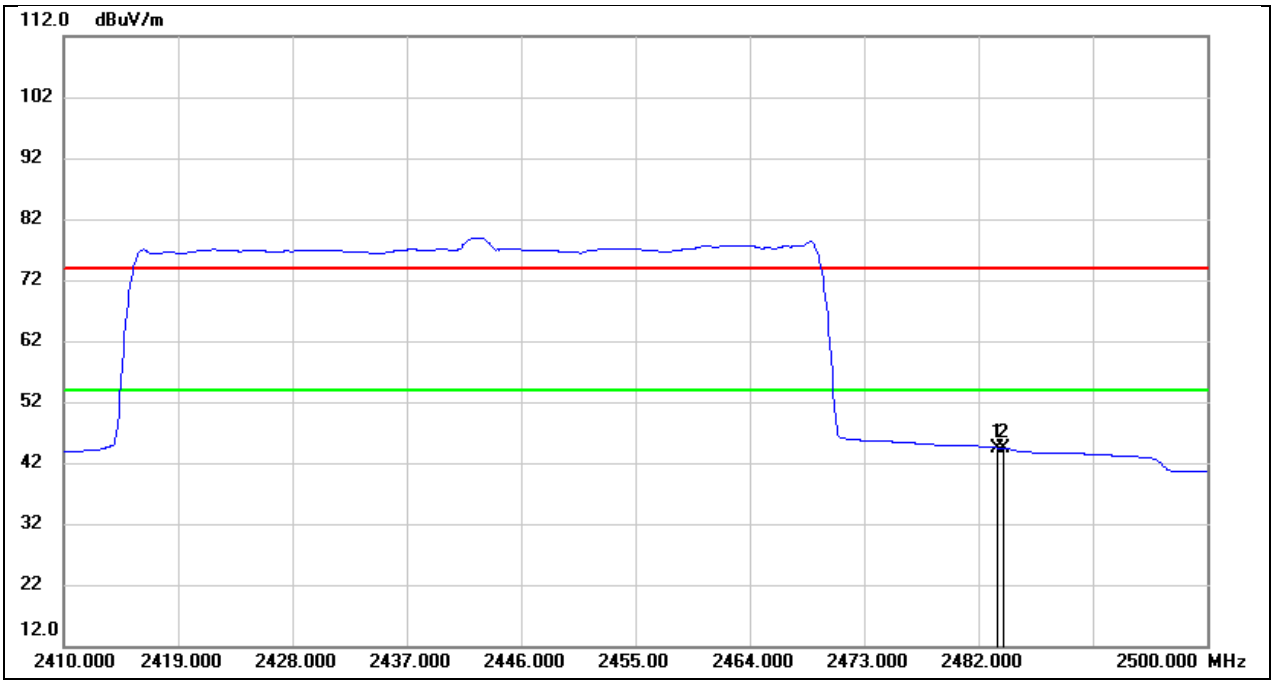
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2380.525	10.89	31.64	42.53	54.00	-11.47	AVG
2	2390.000	12.43	31.69	44.12	54.00	-9.88	AVG

Test Mode:	SRD 2.4G 60M PK	Frequency(MHz):	2442.5
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	27.17	31.99	59.16	74.00	-14.84	peak
2	2483.980	28.07	31.99	60.06	74.00	-13.94	peak

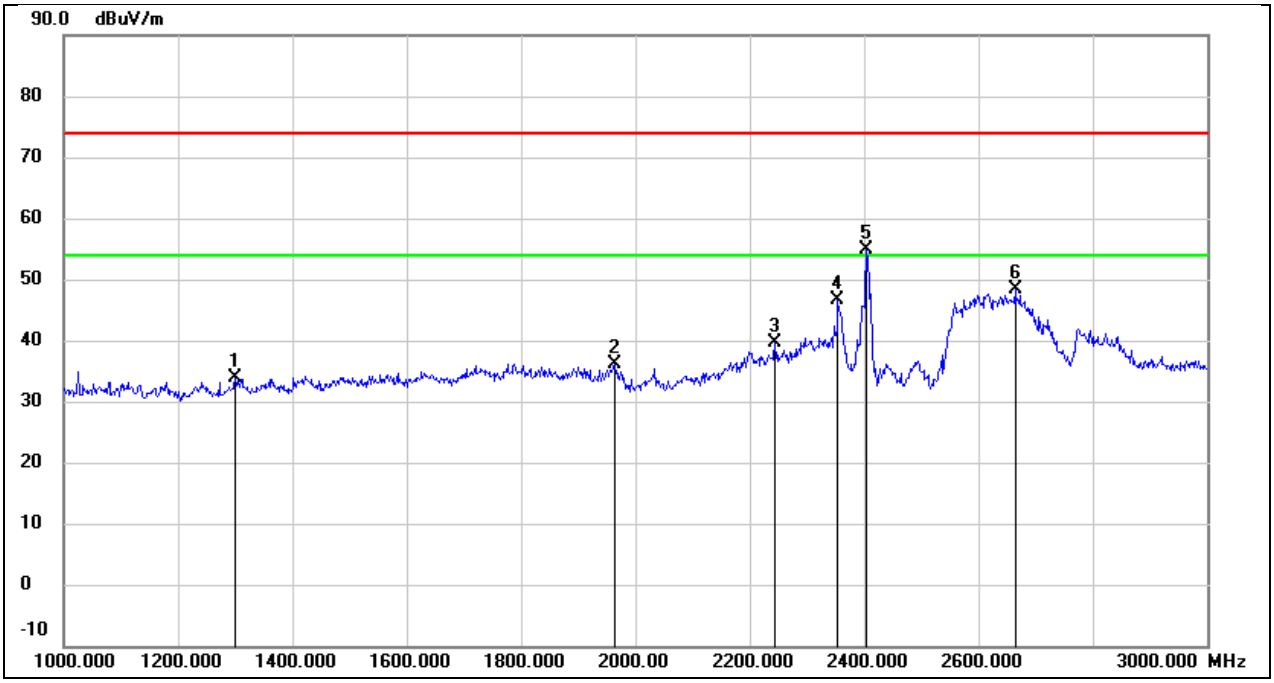
Test Mode:	SRD 2.4G 60M AV	Frequency(MHz):	2442.5
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	12.47	31.99	44.46	54.00	-9.54	AVG
2	2483.980	12.35	31.99	44.34	54.00	-9.66	AVG

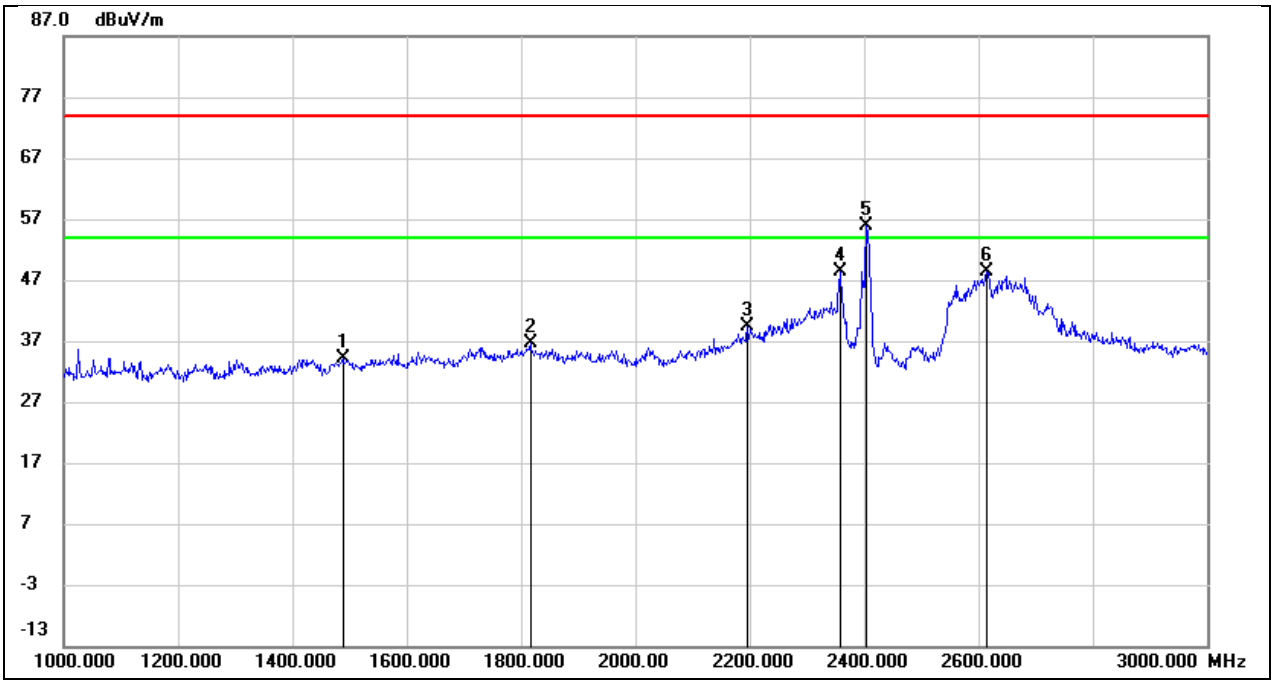
8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 5V



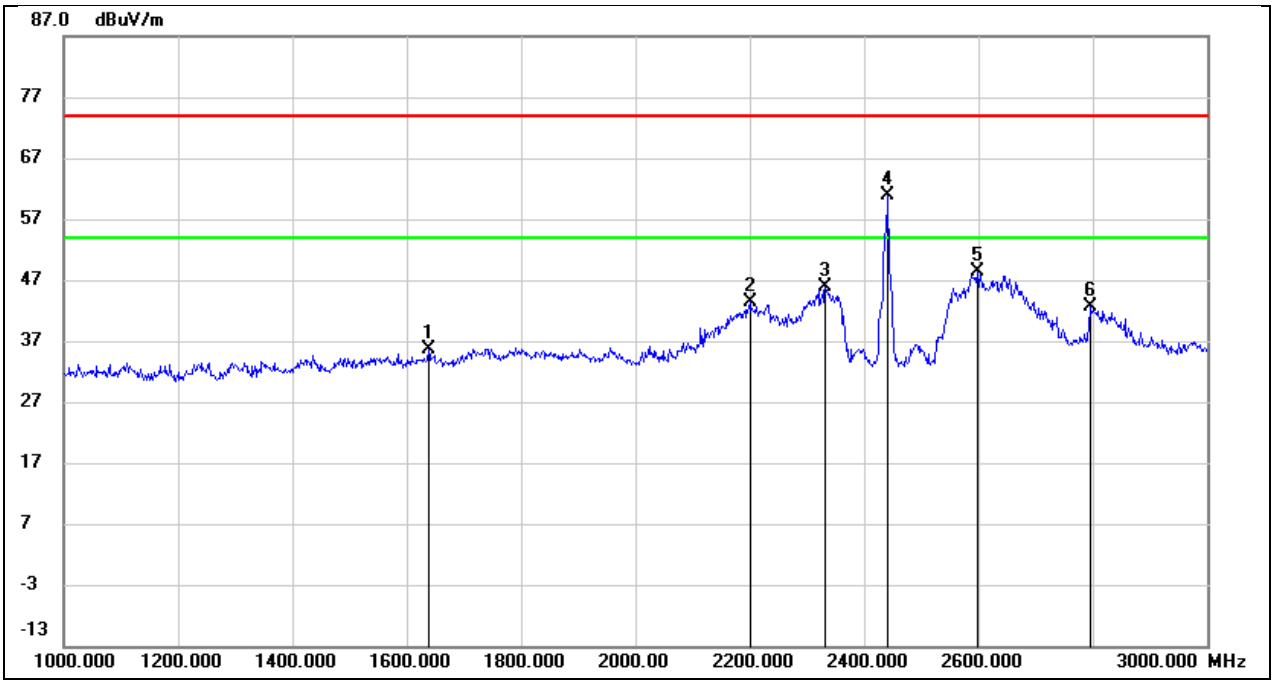
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1300.000	46.78	-12.92	33.86	74.00	-40.14	peak
2	1964.000	46.31	-10.26	36.05	74.00	-37.95	peak
3	2244.000	48.94	-9.27	39.67	74.00	-34.33	peak
4	2354.000	55.48	-8.82	46.66	74.00	-27.34	peak
5	2407.500	63.42	-8.62	54.80	/	/	Fundamental
6	2664.000	55.84	-7.56	48.28	74.00	-25.72	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 5V



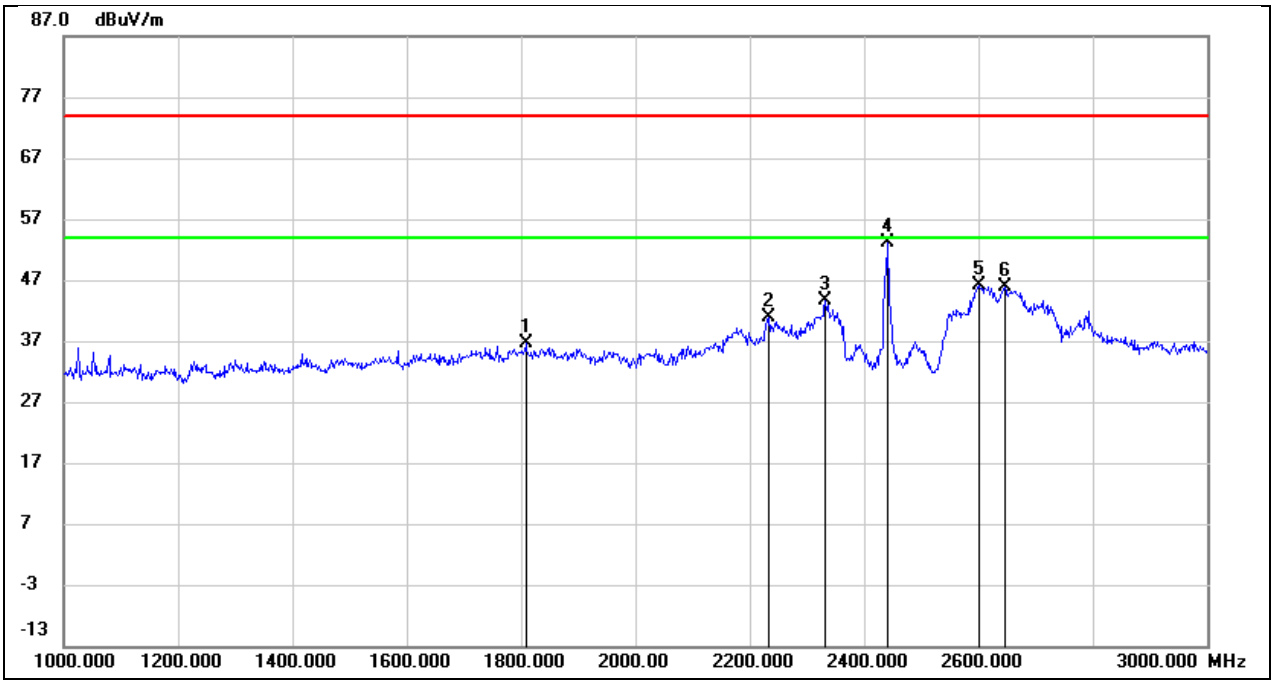
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1488.000	45.98	-11.94	34.04	74.00	-39.96	peak
2	1816.000	46.77	-10.10	36.67	74.00	-37.33	peak
3	2196.000	48.76	-9.47	39.29	74.00	-34.71	peak
4	2358.000	57.17	-8.81	48.36	74.00	-25.64	peak
5	2407.500	64.46	-8.62	55.84	/	/	Fundamental
6	2614.000	56.03	-7.75	48.28	74.00	-25.72	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 5V



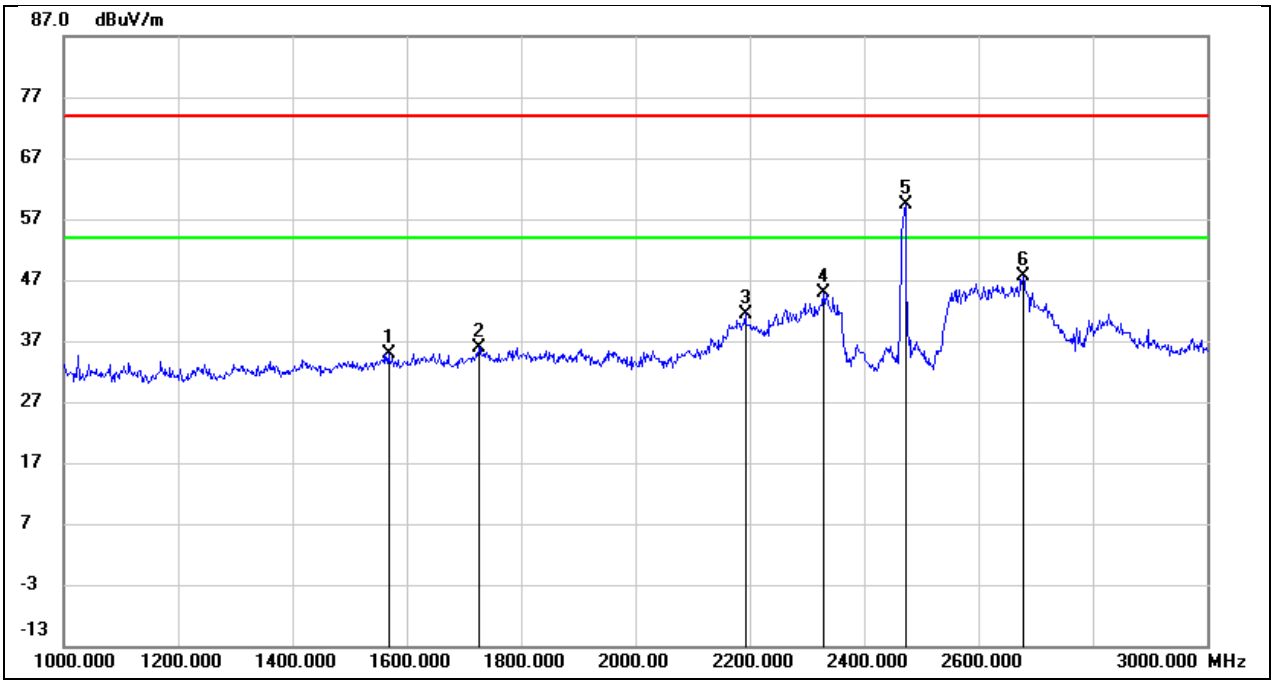
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1638.000	46.80	-11.16	35.64	74.00	-38.36	peak
2	2200.000	52.95	-9.46	43.49	74.00	-30.51	peak
3	2332.000	54.86	-8.91	45.95	74.00	-28.05	peak
4	2437.500	69.33	-8.45	60.88	/	/	Fundamental
5	2598.000	56.17	-7.80	48.37	74.00	-25.63	peak
6	2796.000	49.72	-7.05	42.67	74.00	-31.33	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 5V



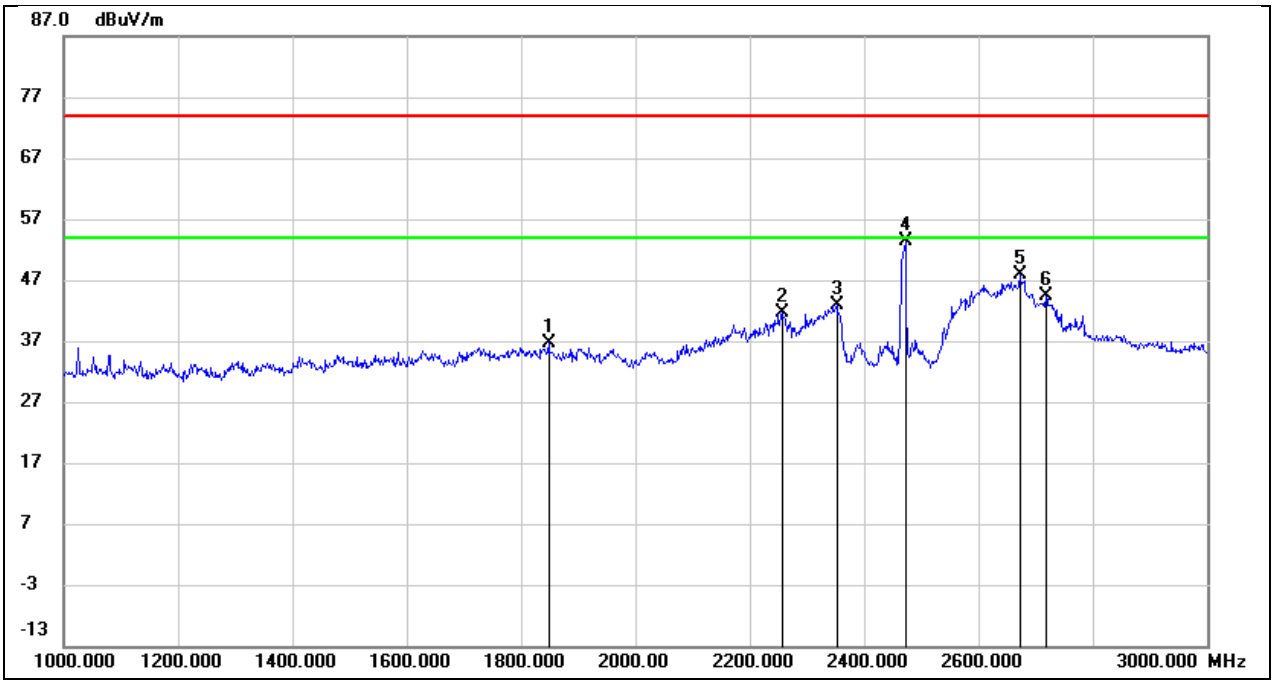
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1808.000	46.65	-10.09	36.56	74.00	-37.44	peak
2	2234.000	50.23	-9.32	40.91	74.00	-33.09	peak
3	2332.000	52.50	-8.91	43.59	74.00	-30.41	peak
4	2437.500	61.64	-8.45	53.19	/	/	Fundamental
5	2602.000	53.81	-7.80	46.01	74.00	-27.99	peak
6	2646.000	53.54	-7.62	45.92	74.00	-28.08	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1568.000	46.54	-11.57	34.97	74.00	-39.03	peak
2	1726.000	46.55	-10.57	35.98	74.00	-38.02	peak
3	2192.000	50.99	-9.49	41.50	74.00	-32.50	peak
4	2328.000	53.76	-8.92	44.84	74.00	-29.16	peak
5	2467.500	67.59	-8.33	59.26	/	/	Fundamental
6	2678.000	55.20	-7.50	47.70	74.00	-26.30	peak

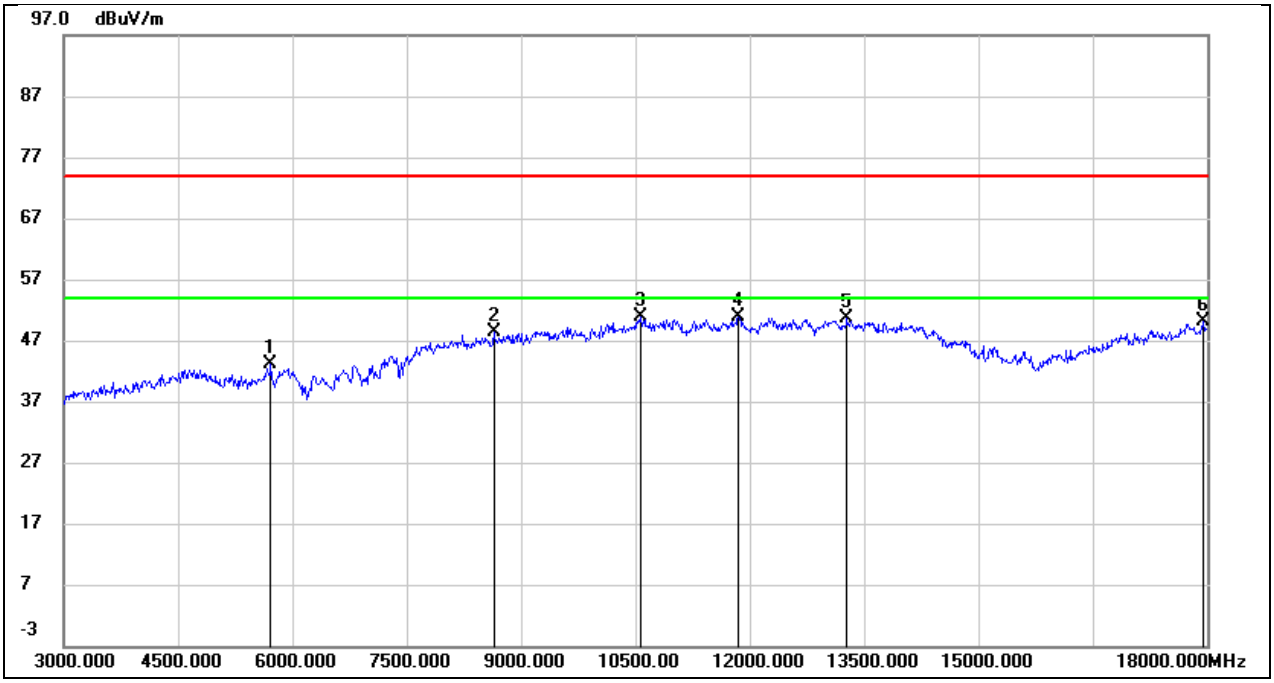
Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2467.5
Polarity:	Vertical	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1848.000	46.70	-10.13	36.57	74.00	-37.43	peak
2	2256.000	50.86	-9.24	41.62	74.00	-32.38	peak
3	2352.000	51.82	-8.84	42.98	74.00	-31.02	peak
4	2467.500	61.78	-8.33	53.45	/	/	Fundamental
5	2672.000	55.39	-7.53	47.86	74.00	-26.14	peak
6	2718.000	51.66	-7.35	44.31	74.00	-29.69	peak

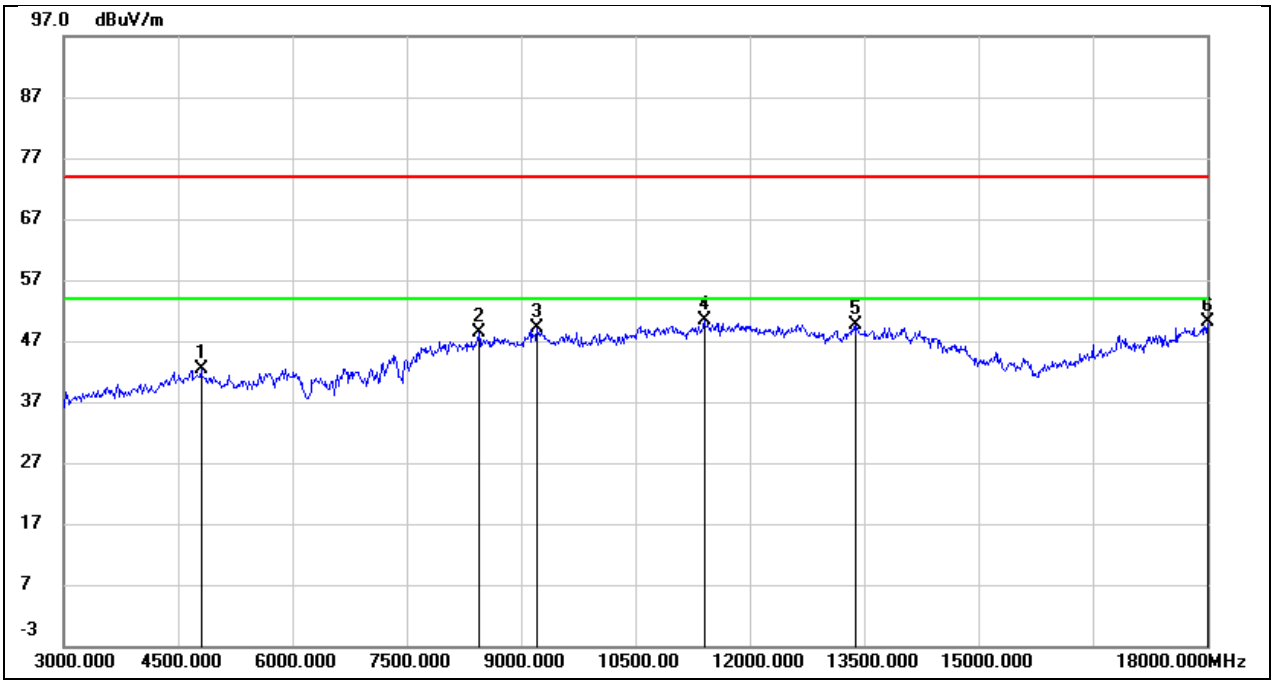
8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 5V



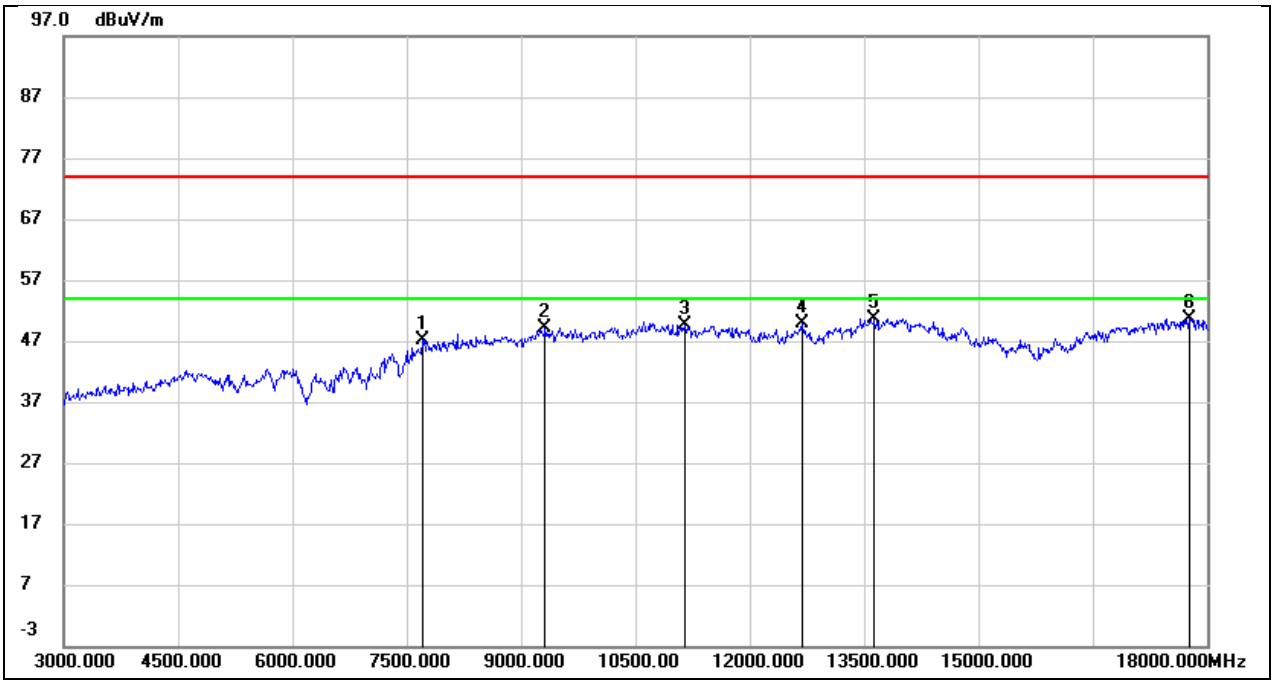
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5715.000	40.77	2.41	43.18	74.00	-30.82	peak
2	8640.000	38.97	9.33	48.30	74.00	-25.70	peak
3	10575.000	36.47	14.46	50.93	74.00	-23.07	peak
4	11850.000	32.30	18.53	50.83	74.00	-23.17	peak
5	13275.000	28.76	21.93	50.69	74.00	-23.31	peak
6	17955.000	21.93	28.14	50.07	74.00	-23.93	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 5V



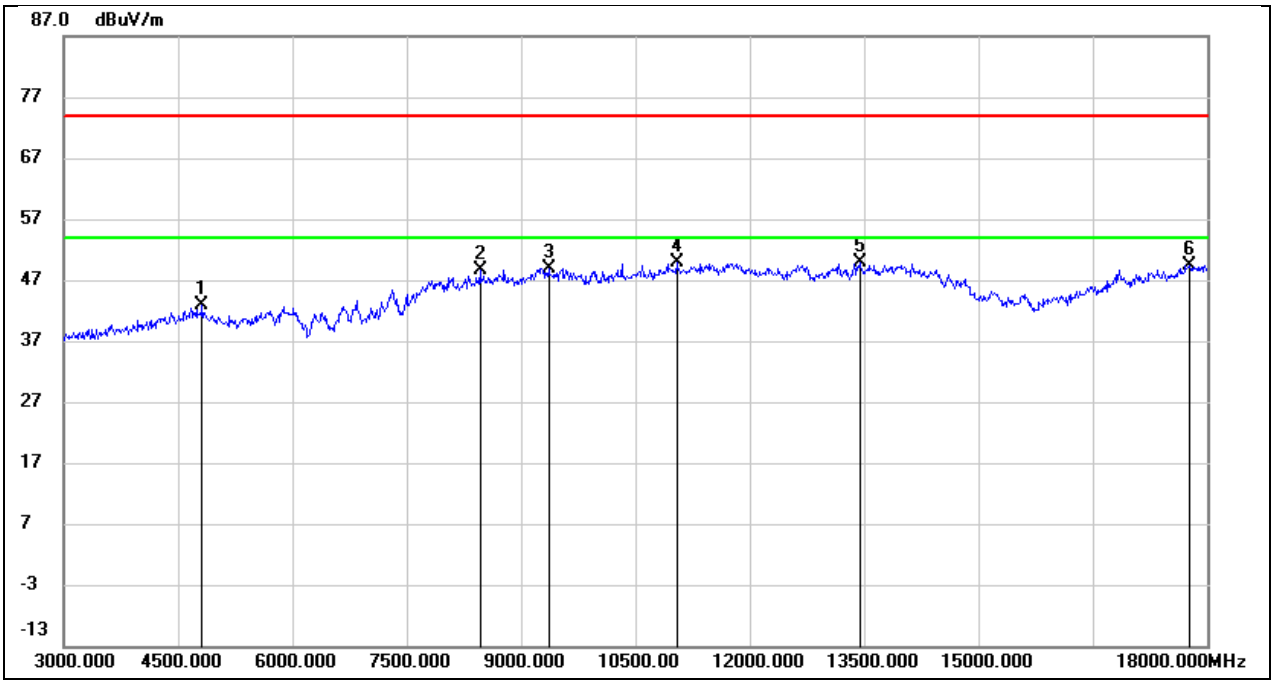
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4800.000	41.71	0.57	42.28	74.00	-31.72	peak
2	8445.000	39.33	8.96	48.29	74.00	-25.71	peak
3	9210.000	38.17	10.98	49.15	74.00	-24.85	peak
4	11400.000	32.87	17.44	50.31	74.00	-23.69	peak
5	13395.000	27.12	22.43	49.55	74.00	-24.45	peak
6	18000.000	21.55	28.54	50.09	74.00	-23.91	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 5V



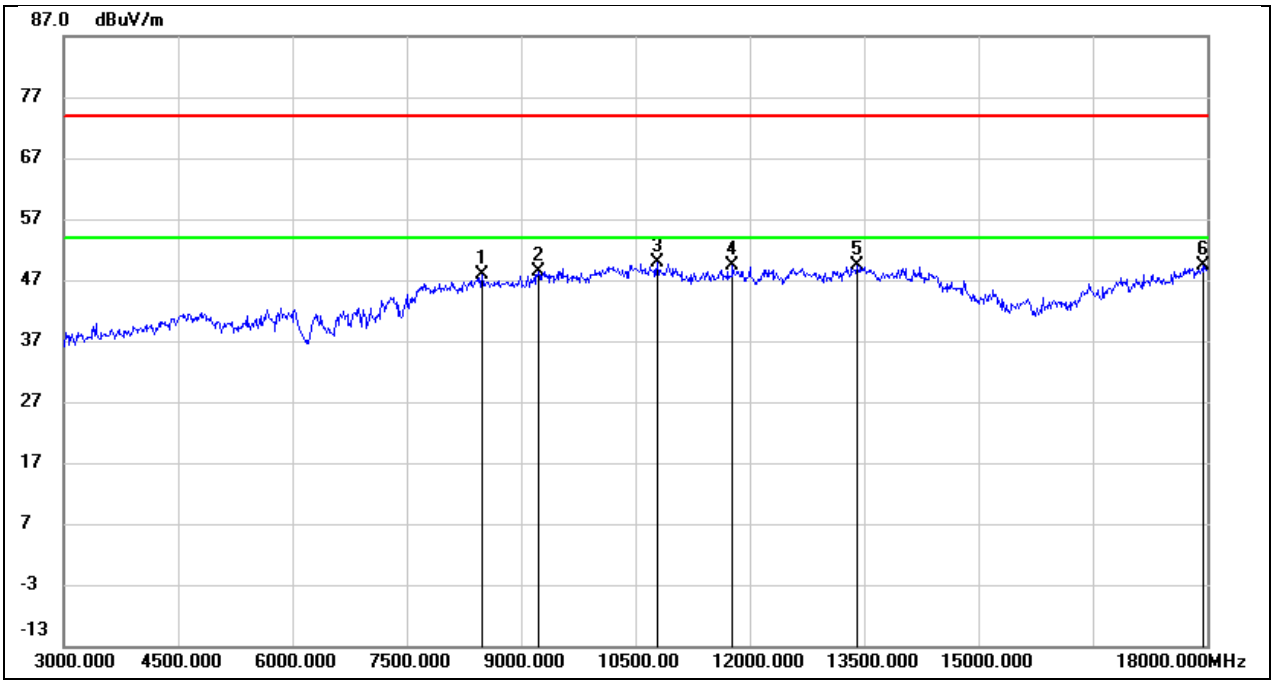
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7710.000	39.66	7.49	47.15	74.00	-26.85	peak
2	9315.000	37.74	11.42	49.16	74.00	-24.84	peak
3	11145.000	32.56	17.02	49.58	74.00	-24.42	peak
4	12690.000	29.96	19.85	49.81	74.00	-24.19	peak
5	13635.000	27.69	23.05	50.74	74.00	-23.26	peak
6	17760.000	24.13	26.54	50.67	74.00	-23.33	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 5V



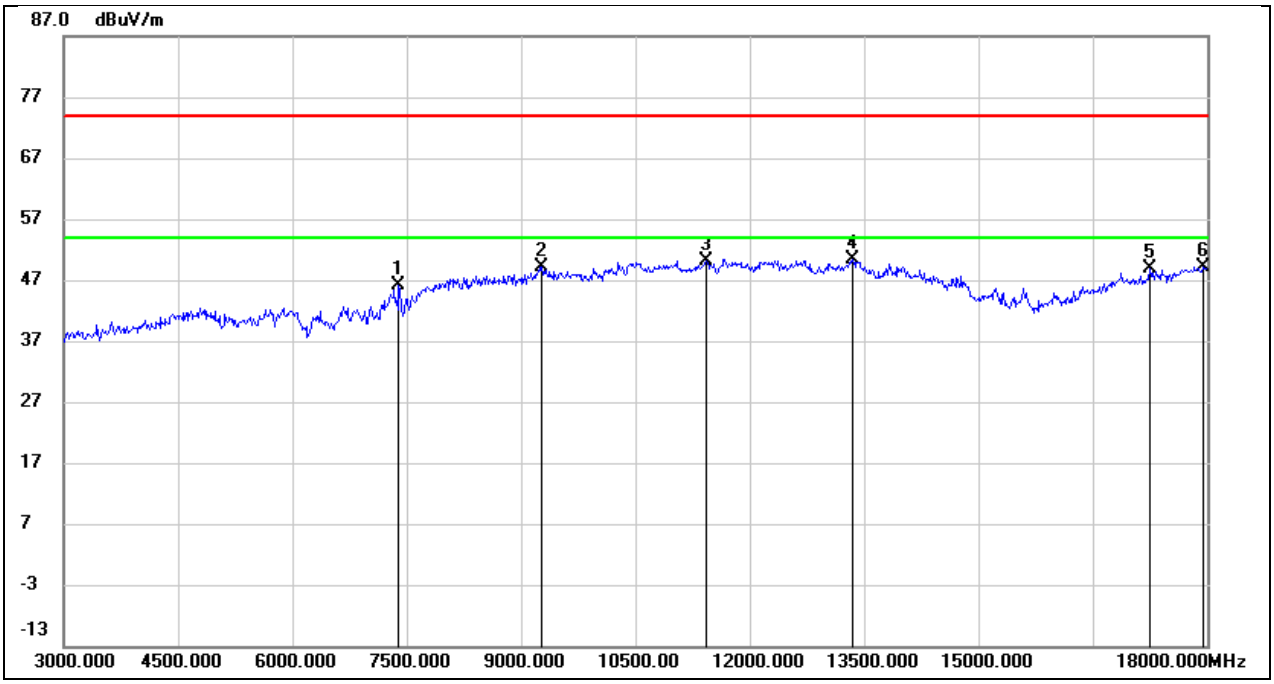
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	42.39	0.60	42.99	74.00	-31.01	peak
2	8460.000	39.69	8.98	48.67	74.00	-25.33	peak
3	9360.000	37.31	11.60	48.91	74.00	-25.09	peak
4	11040.000	33.26	16.53	49.79	74.00	-24.21	peak
5	13440.000	27.29	22.61	49.90	74.00	-24.10	peak
6	17775.000	22.79	26.63	49.42	74.00	-24.58	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 5V



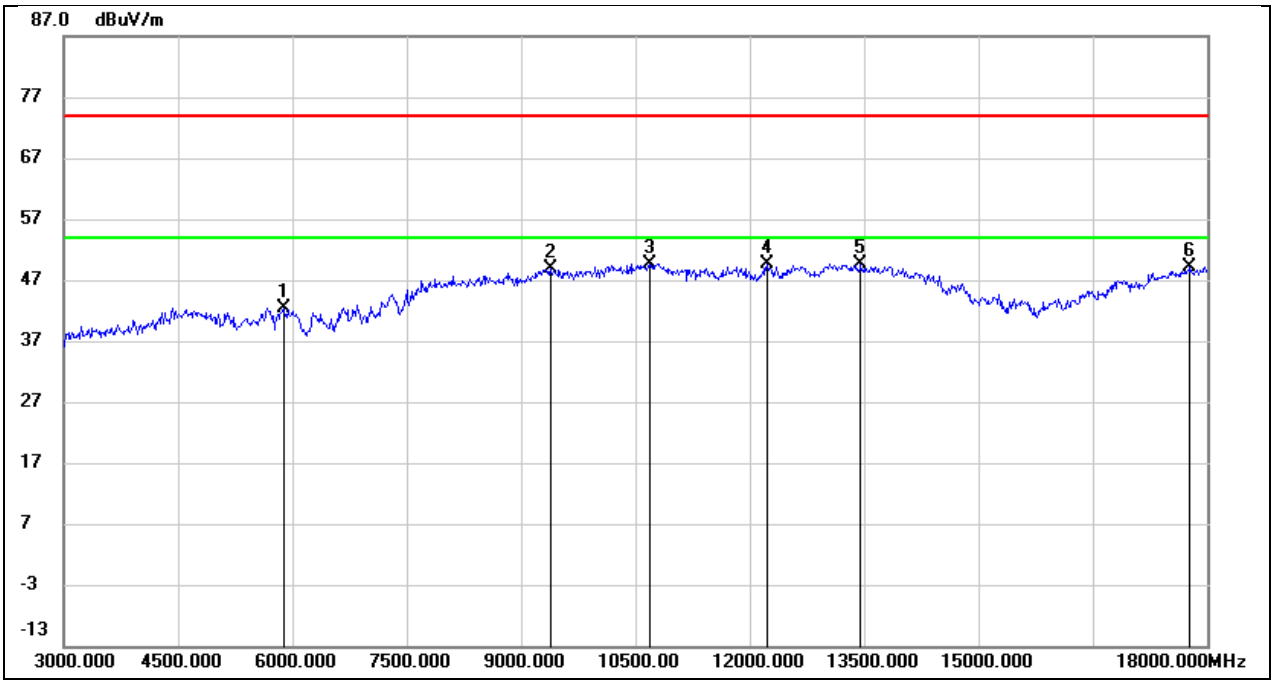
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8490.000	38.79	9.01	47.80	74.00	-26.20	peak
2	9225.000	37.29	11.04	48.33	74.00	-25.67	peak
3	10785.000	34.57	15.25	49.82	74.00	-24.18	peak
4	11775.000	30.89	18.38	49.27	74.00	-24.73	peak
5	13410.000	26.95	22.48	49.43	74.00	-24.57	peak
6	17955.000	21.16	28.14	49.30	74.00	-24.70	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2467.5
Polarity:	Vertical	Test Voltage:	DC 5V



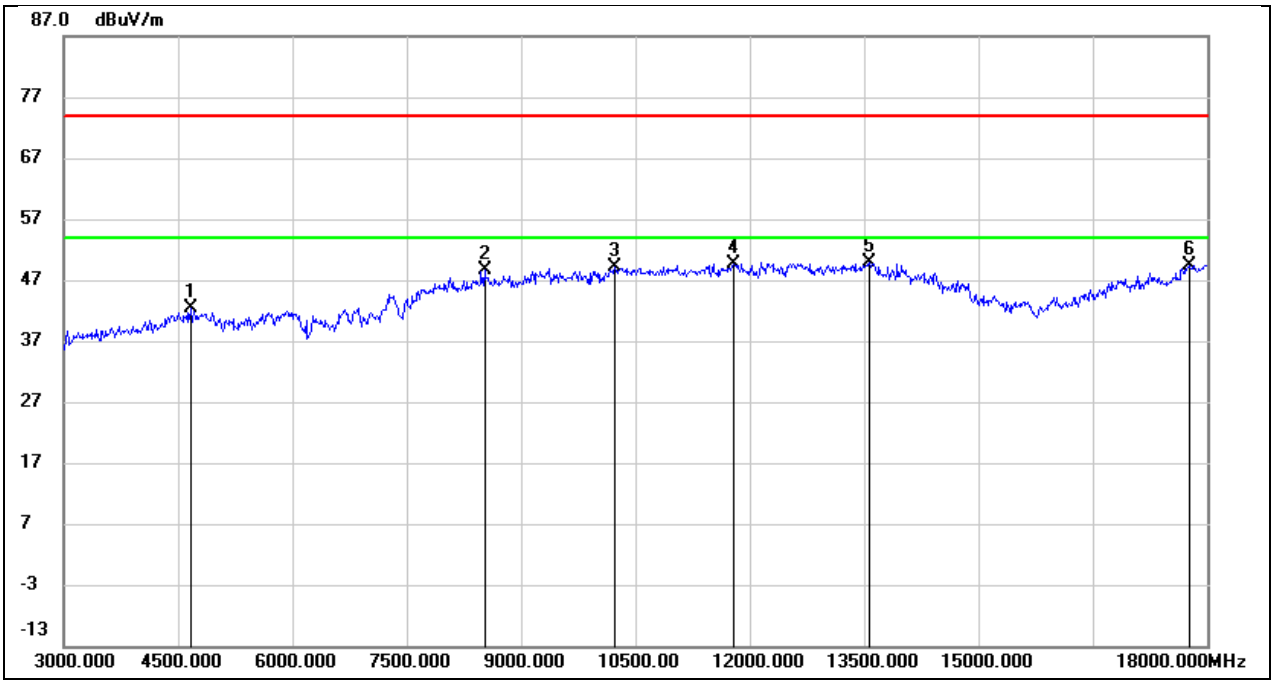
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7395.000	39.30	6.94	46.24	74.00	-27.76	peak
2	9270.000	37.94	11.23	49.17	74.00	-24.83	peak
3	11430.000	32.69	17.51	50.20	74.00	-23.80	peak
4	13350.000	28.20	22.23	50.43	74.00	-23.57	peak
5	17250.000	24.55	24.29	48.84	74.00	-25.16	peak
6	17940.000	21.06	28.02	49.08	74.00	-24.92	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 5V



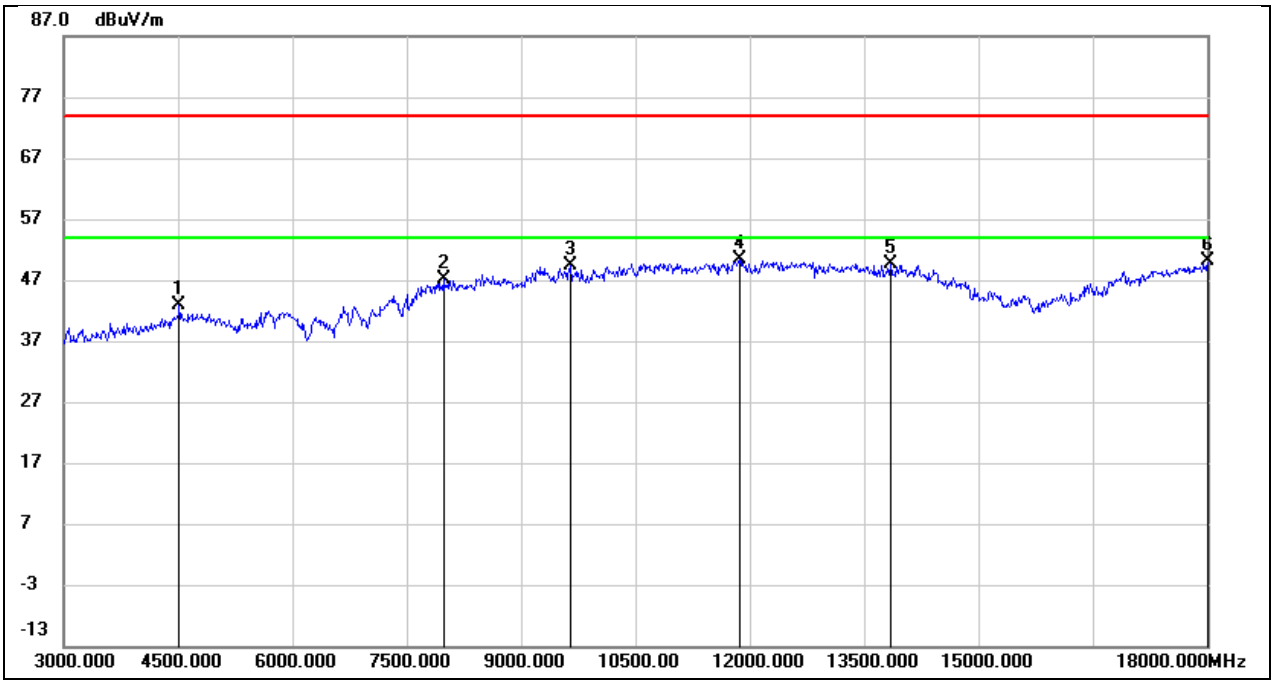
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5880.000	39.76	2.72	42.48	74.00	-31.52	peak
2	9390.000	37.08	11.73	48.81	74.00	-25.19	peak
3	10680.000	34.88	14.85	49.73	74.00	-24.27	peak
4	12225.000	30.43	19.18	49.61	74.00	-24.39	peak
5	13455.000	27.06	22.67	49.73	74.00	-24.27	peak
6	17775.000	22.38	26.63	49.01	74.00	-24.99	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2412.5
Polarity:	Vertical	Test Voltage:	DC 5V



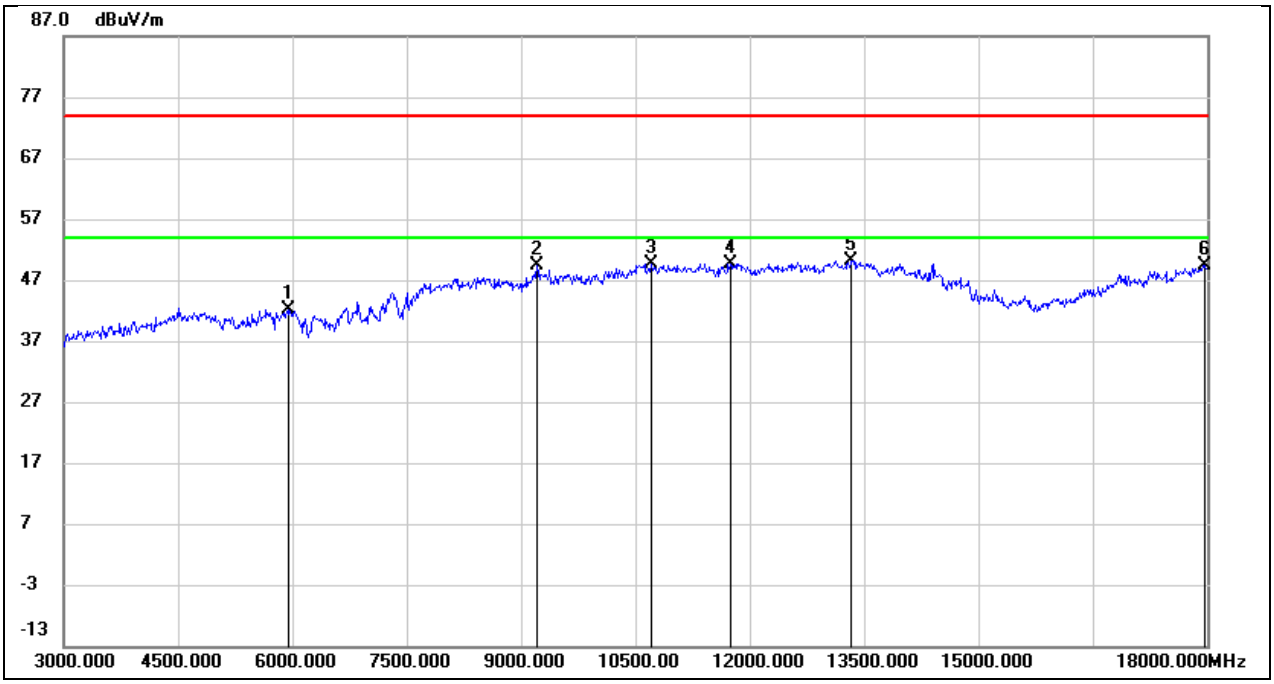
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4665.000	42.26	0.16	42.42	74.00	-31.58	peak
2	8520.000	39.46	9.07	48.53	74.00	-25.47	peak
3	10230.000	35.70	13.48	49.18	74.00	-24.82	peak
4	11790.000	31.25	18.41	49.66	74.00	-24.34	peak
5	13575.000	27.02	22.97	49.99	74.00	-24.01	peak
6	17775.000	22.77	26.63	49.40	74.00	-24.60	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 5V



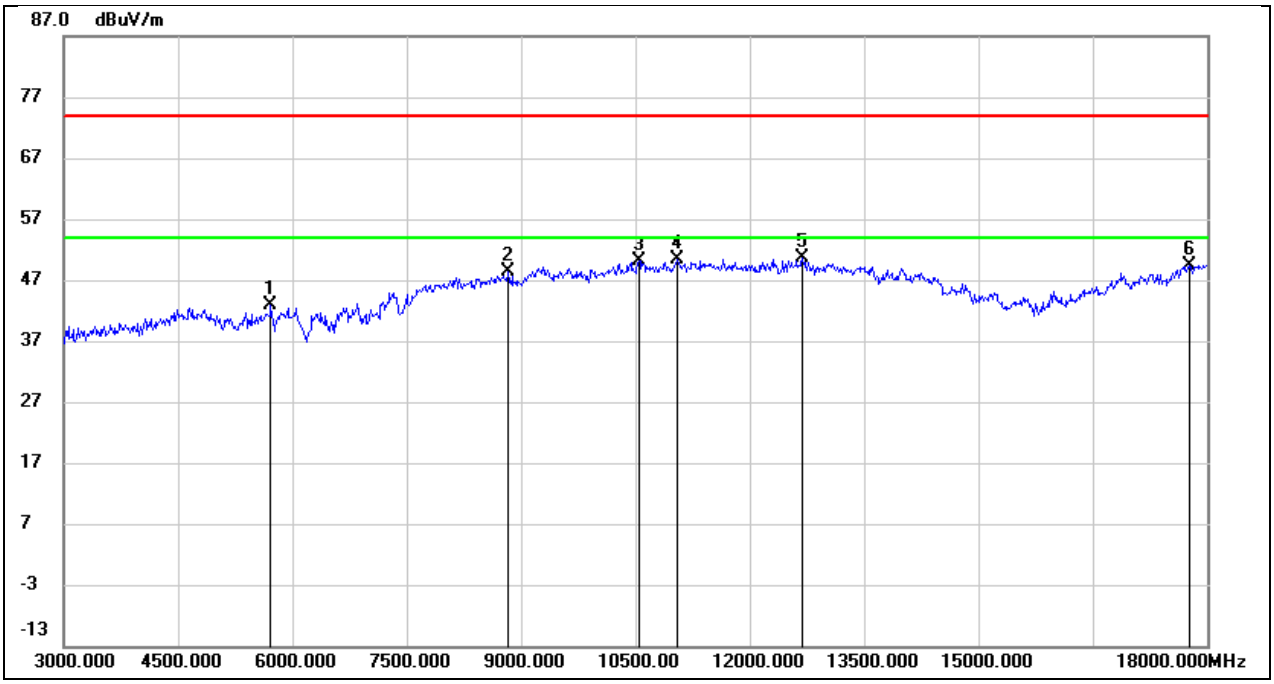
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4515.000	43.06	-0.29	42.77	74.00	-31.23	peak
2	7980.000	39.10	8.09	47.19	74.00	-26.81	peak
3	9645.000	36.70	12.76	49.46	74.00	-24.54	peak
4	11865.000	31.82	18.57	50.39	74.00	-23.61	peak
5	13845.000	26.25	23.45	49.70	74.00	-24.30	peak
6	18000.000	21.52	28.54	50.06	74.00	-23.94	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 5V



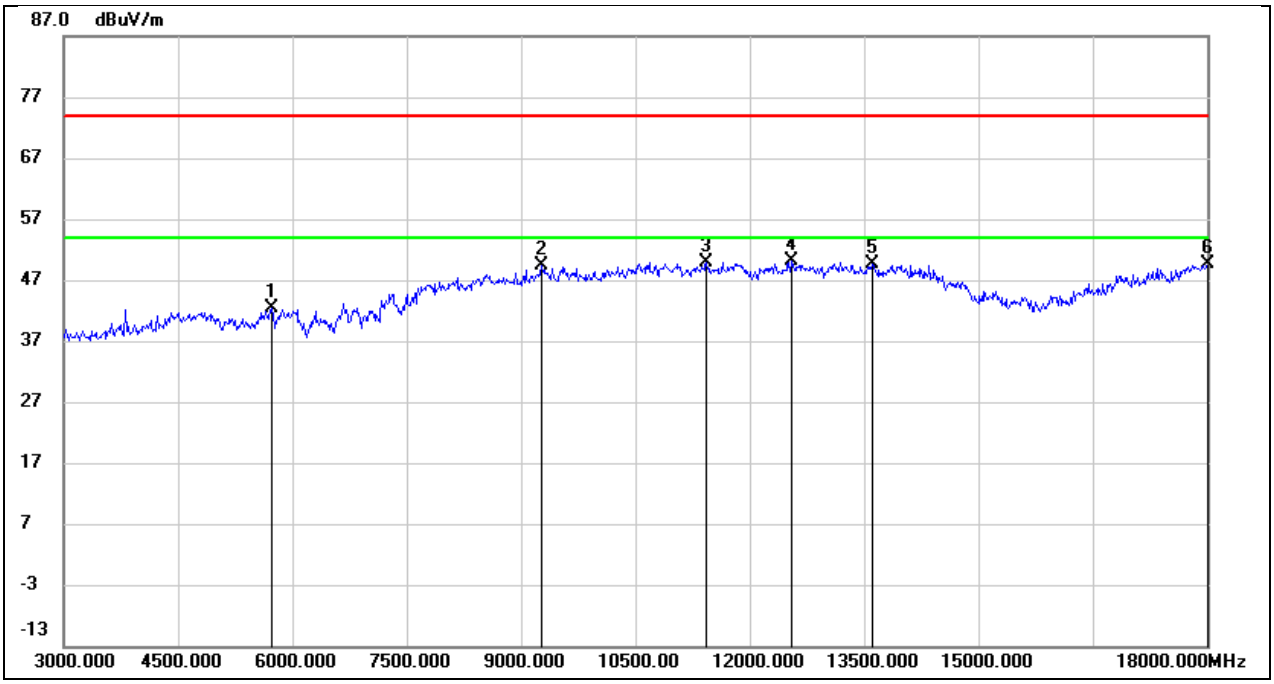
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5955.000	39.27	2.85	42.12	74.00	-31.88	peak
2	9210.000	38.33	10.98	49.31	74.00	-24.69	peak
3	10710.000	34.71	14.97	49.68	74.00	-24.32	peak
4	11745.000	31.41	18.31	49.72	74.00	-24.28	peak
5	13335.000	28.04	22.18	50.22	74.00	-23.78	peak
6	17970.000	21.09	28.27	49.36	74.00	-24.64	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 5V



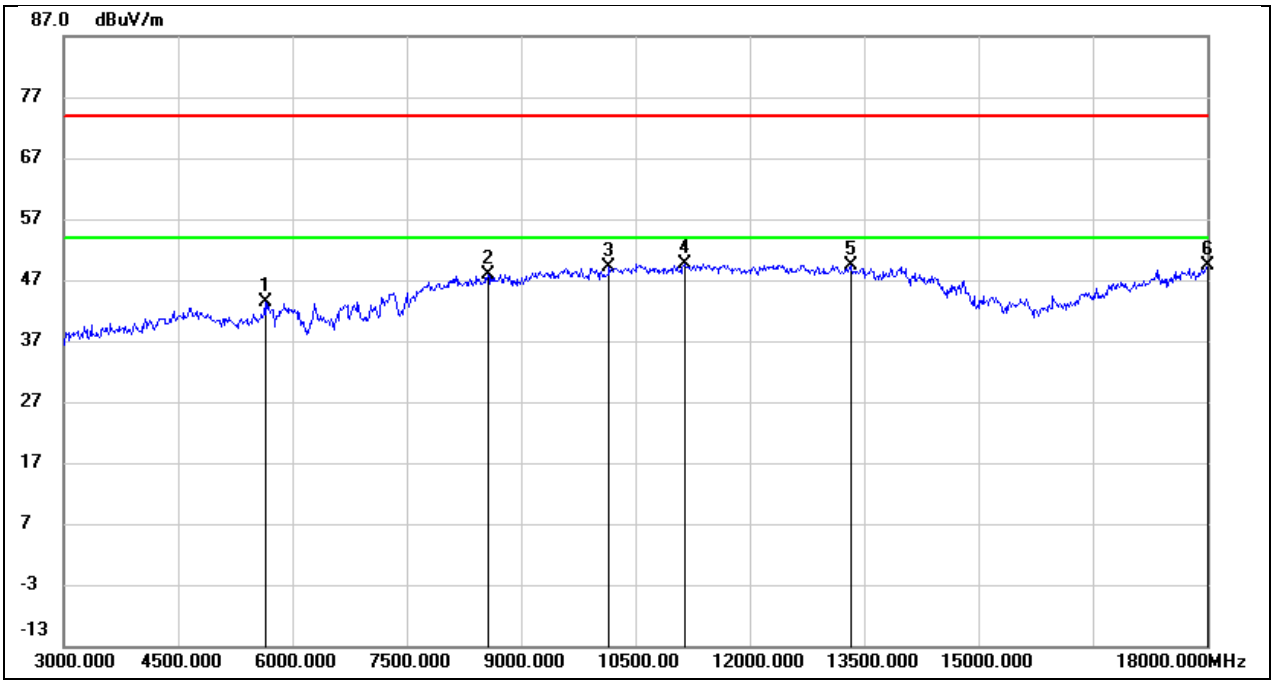
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5715.000	40.41	2.41	42.82	74.00	-31.18	peak
2	8835.000	38.71	9.60	48.31	74.00	-25.69	peak
3	10545.000	35.82	14.35	50.17	74.00	-23.83	peak
4	11055.000	33.68	16.60	50.28	74.00	-23.72	peak
5	12690.000	30.73	19.85	50.58	74.00	-23.42	peak
6	17760.000	22.88	26.54	49.42	74.00	-24.58	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2462.5
Polarity:	Vertical	Test Voltage:	DC 5V



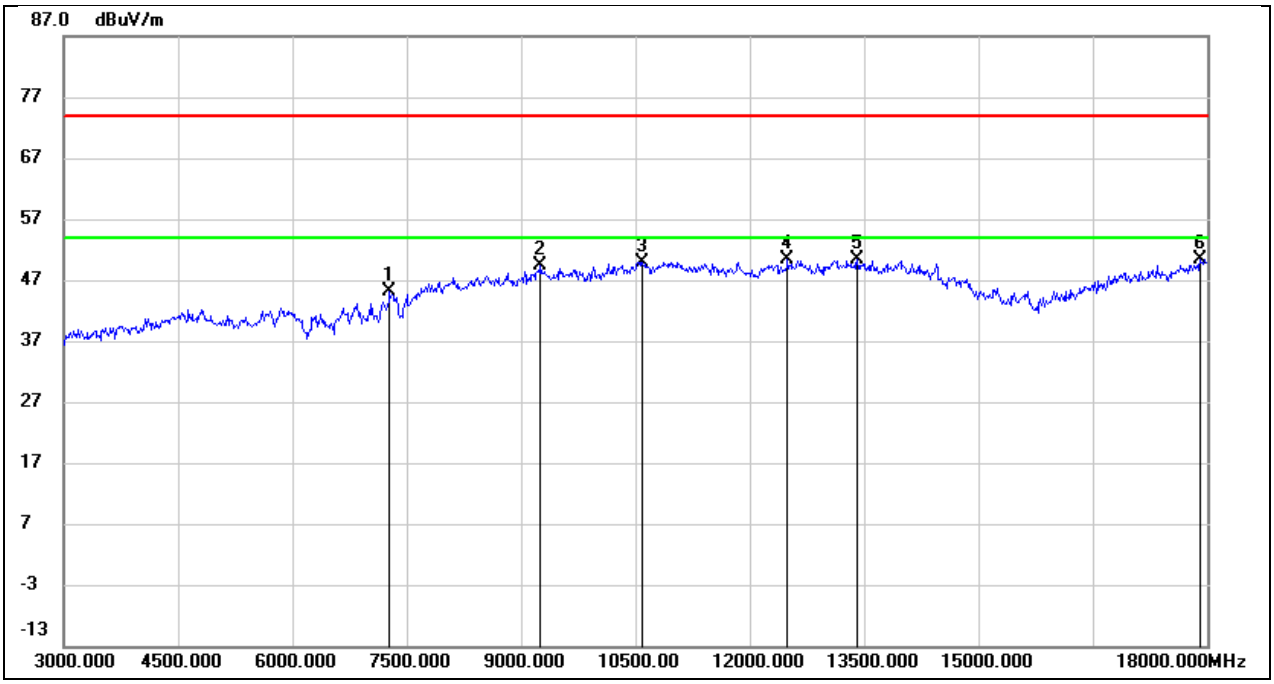
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5730.000	39.94	2.45	42.39	74.00	-31.61	peak
2	9270.000	38.21	11.23	49.44	74.00	-24.56	peak
3	11430.000	32.46	17.51	49.97	74.00	-24.03	peak
4	12540.000	30.41	19.69	50.10	74.00	-23.90	peak
5	13605.000	26.73	23.01	49.74	74.00	-24.26	peak
6	18000.000	21.00	28.54	49.54	74.00	-24.46	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 5V



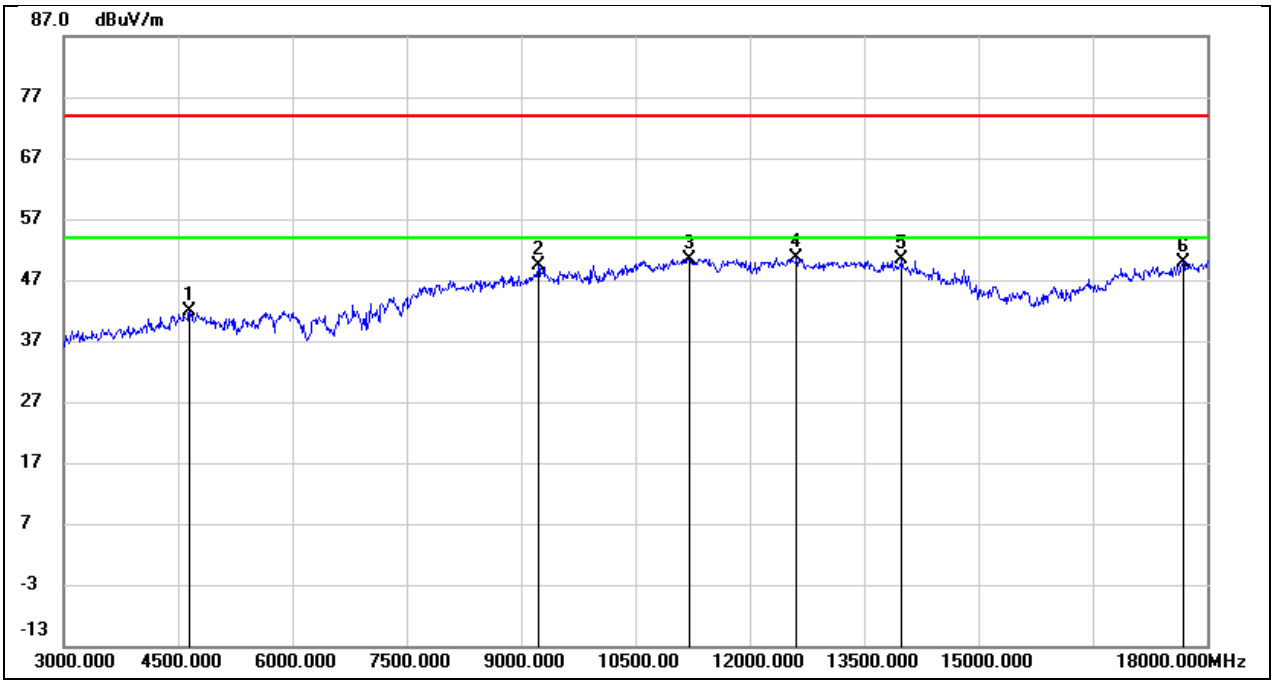
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5640.000	41.00	2.28	43.28	74.00	-30.72	peak
2	8565.000	38.75	9.19	47.94	74.00	-26.06	peak
3	10155.000	35.65	13.38	49.03	74.00	-24.97	peak
4	11145.000	32.65	17.02	49.67	74.00	-24.33	peak
5	13320.000	27.37	22.11	49.48	74.00	-24.52	peak
6	18000.000	20.86	28.54	49.40	74.00	-24.60	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2422.5
Polarity:	Vertical	Test Voltage:	DC 5V



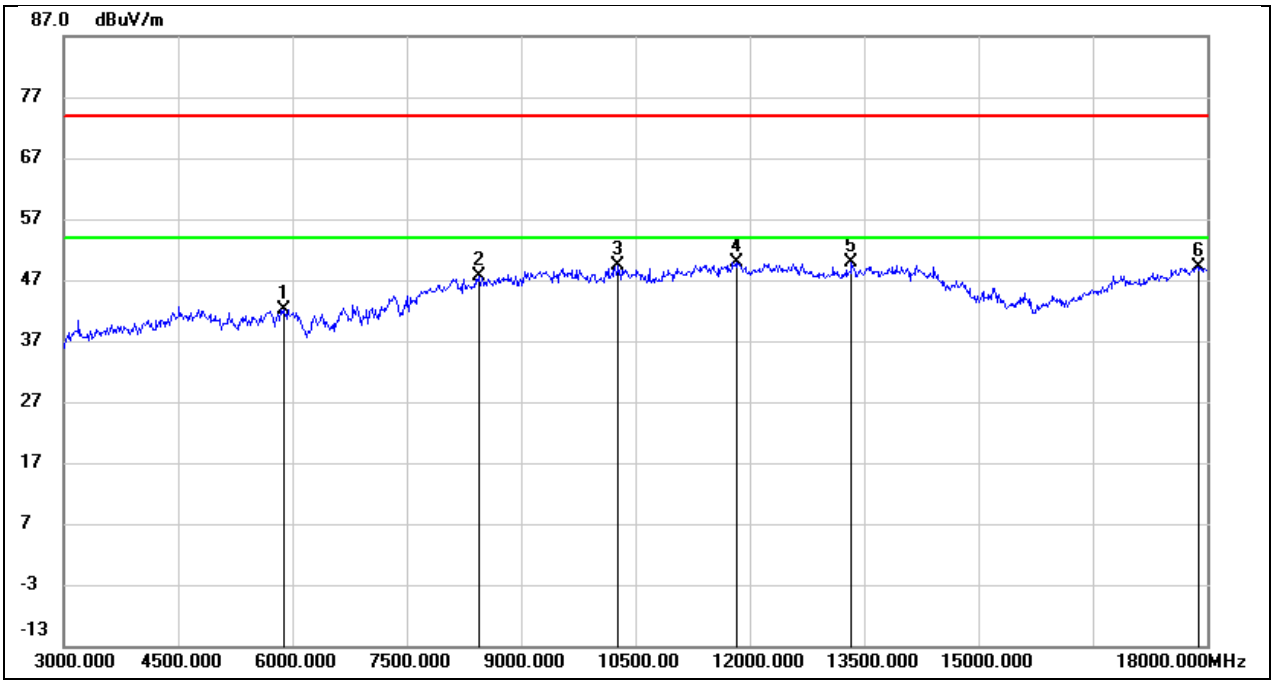
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7275.000	38.36	6.88	45.24	74.00	-28.76	peak
2	9255.000	38.20	11.17	49.37	74.00	-24.63	peak
3	10590.000	35.38	14.51	49.89	74.00	-24.11	peak
4	12495.000	30.80	19.68	50.48	74.00	-23.52	peak
5	13410.000	27.85	22.48	50.33	74.00	-23.67	peak
6	17910.000	22.62	27.75	50.37	74.00	-23.63	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 5V



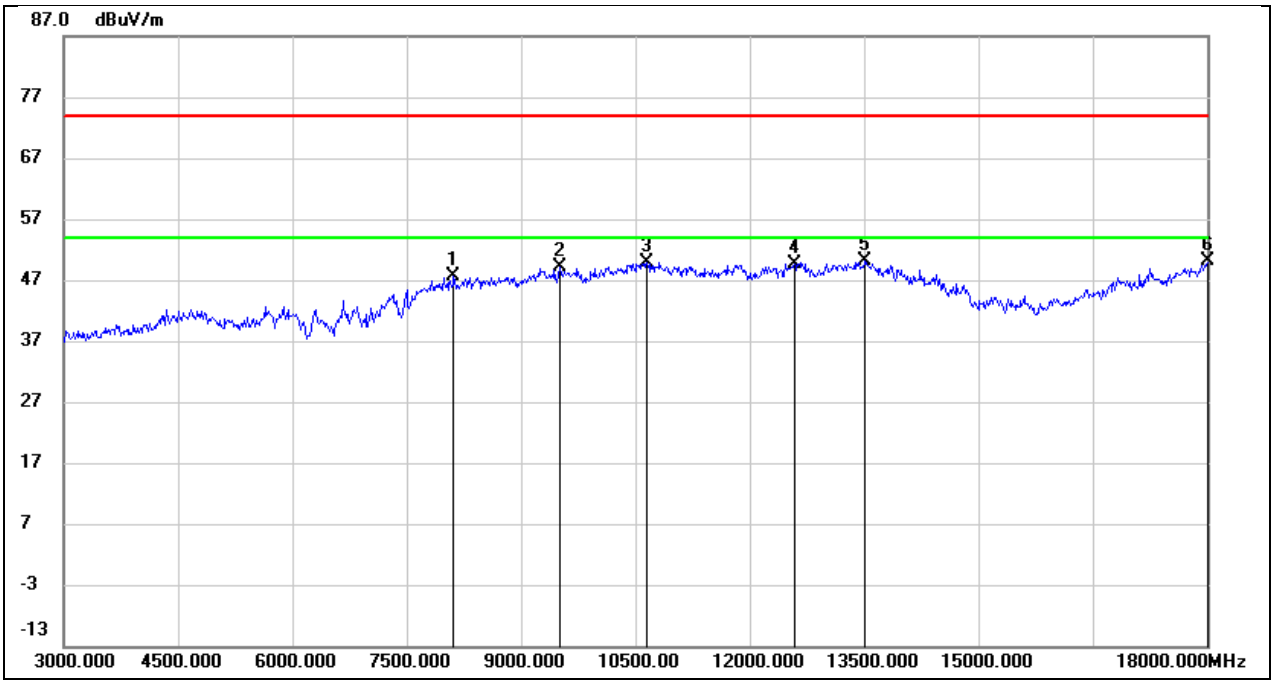
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4650.000	41.66	0.12	41.78	74.00	-32.22	peak
2	9225.000	38.34	11.04	49.38	74.00	-24.62	peak
3	11205.000	33.23	17.27	50.50	74.00	-23.50	peak
4	12615.000	30.80	19.72	50.52	74.00	-23.48	peak
5	13995.000	26.29	24.08	50.37	74.00	-23.63	peak
6	17685.000	23.75	26.11	49.86	74.00	-24.14	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 5V



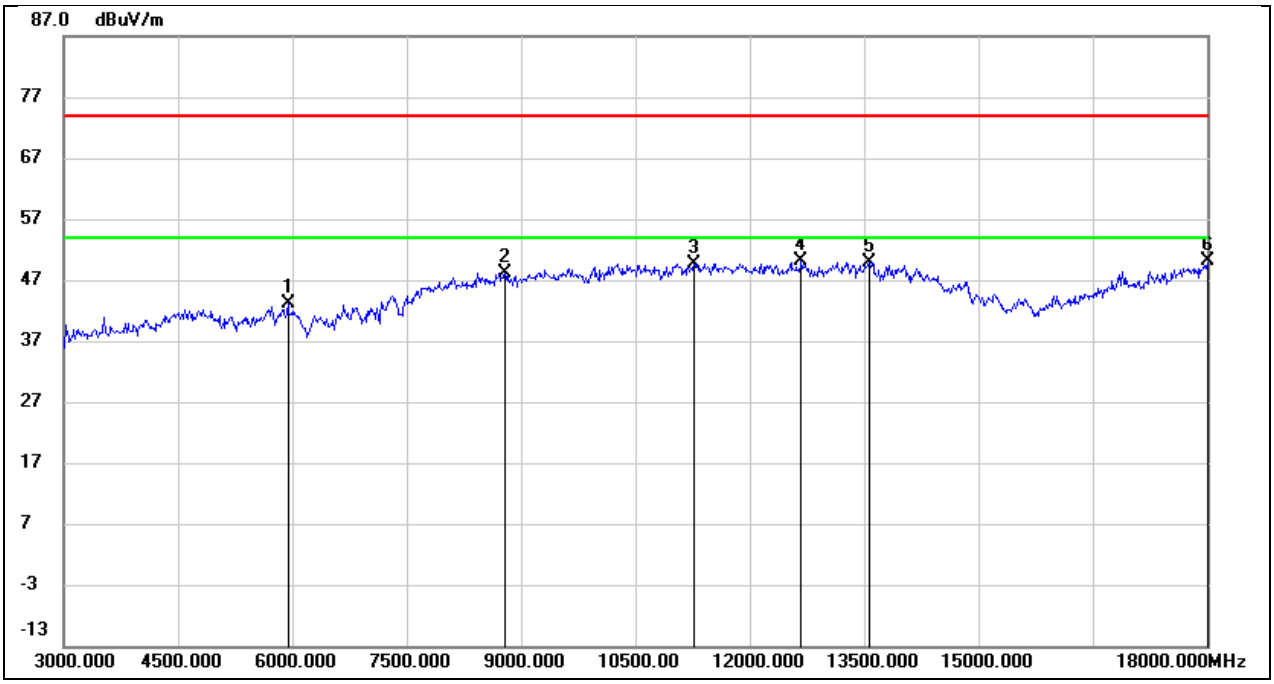
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5880.000	39.50	2.72	42.22	74.00	-31.78	peak
2	8445.000	38.75	8.96	47.71	74.00	-26.29	peak
3	10275.000	35.75	13.58	49.33	74.00	-24.67	peak
4	11820.000	31.51	18.47	49.98	74.00	-24.02	peak
5	13335.000	27.66	22.18	49.84	74.00	-24.16	peak
6	17880.000	21.64	27.49	49.13	74.00	-24.87	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 5V



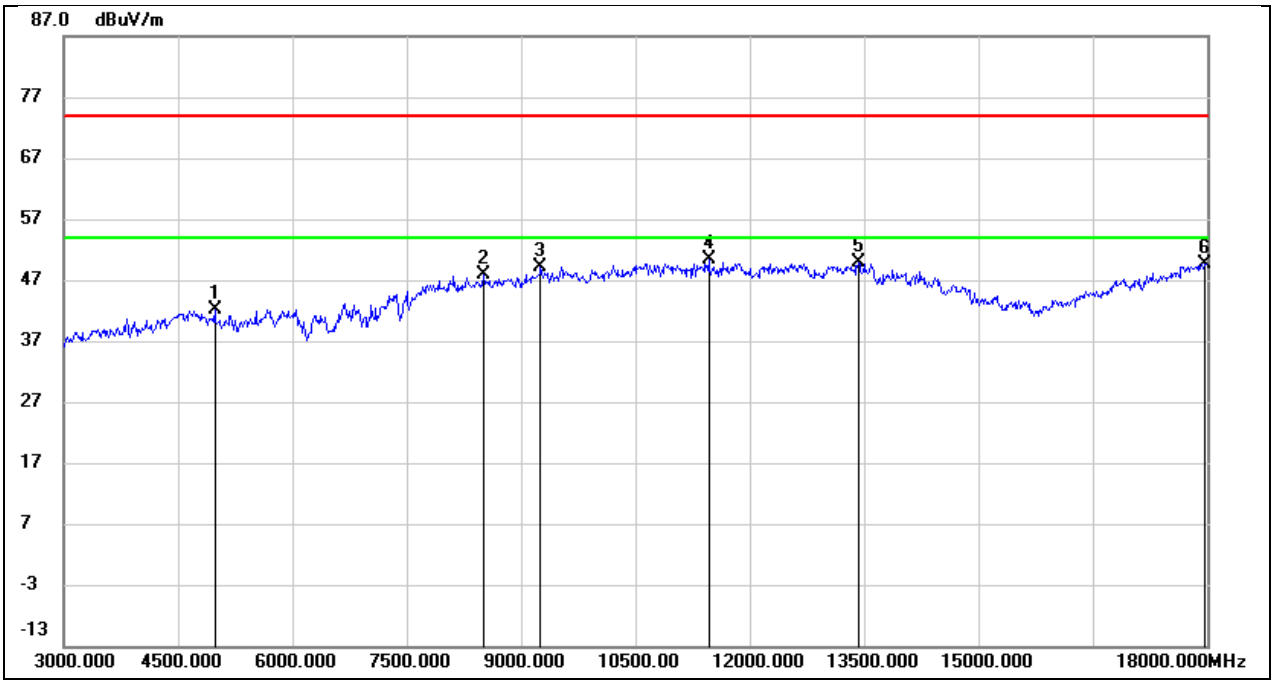
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8115.000	39.20	8.41	47.61	74.00	-26.39	peak
2	9510.000	36.86	12.25	49.11	74.00	-24.89	peak
3	10650.000	35.12	14.74	49.86	74.00	-24.14	peak
4	12585.000	29.97	19.69	49.66	74.00	-24.34	peak
5	13515.000	27.27	22.87	50.14	74.00	-23.86	peak
6	18000.000	21.53	28.54	50.07	74.00	-23.93	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2452.5
Polarity:	Vertical	Test Voltage:	DC 5V



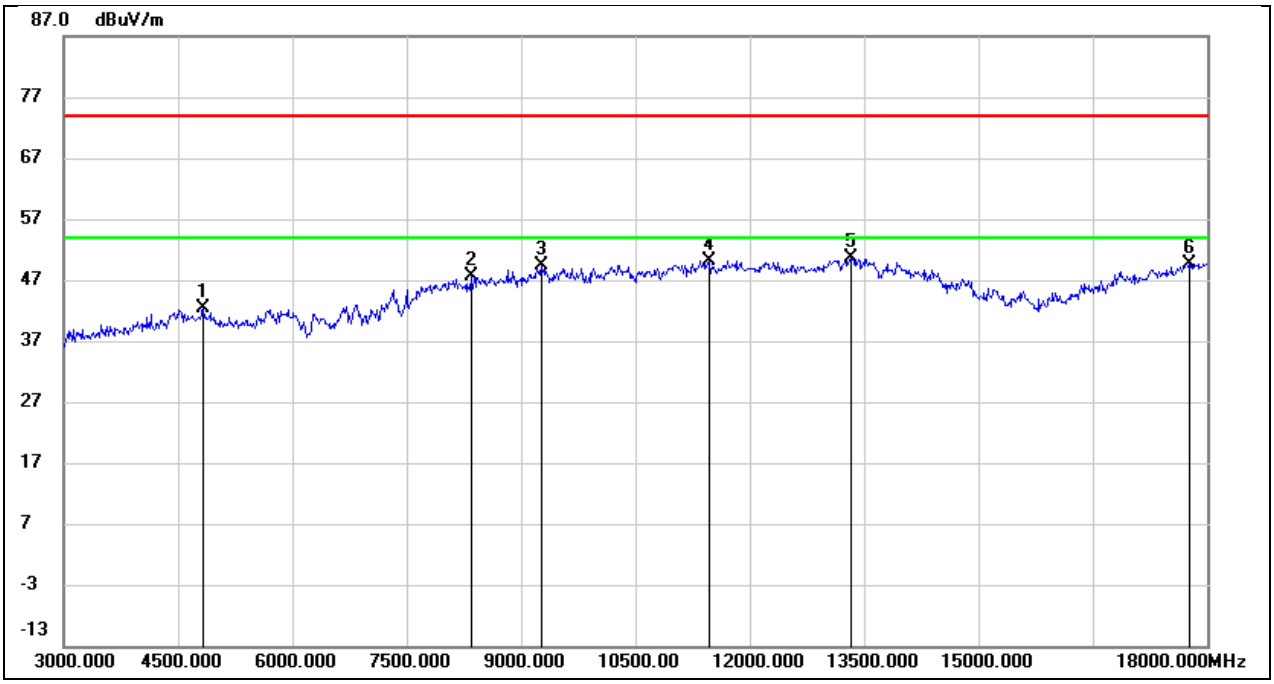
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5940.000	40.27	2.83	43.10	74.00	-30.90	peak
2	8790.000	38.74	9.49	48.23	74.00	-25.77	peak
3	11265.000	32.33	17.32	49.65	74.00	-24.35	peak
4	12675.000	30.20	19.83	50.03	74.00	-23.97	peak
5	13560.000	26.94	22.94	49.88	74.00	-24.12	peak
6	18000.000	21.56	28.54	50.10	74.00	-23.90	peak

Test Mode:	SRD 2.4G 60M	Frequency(MHz):	2432.5
Polarity:	Horizontal	Test Voltage:	DC 5V



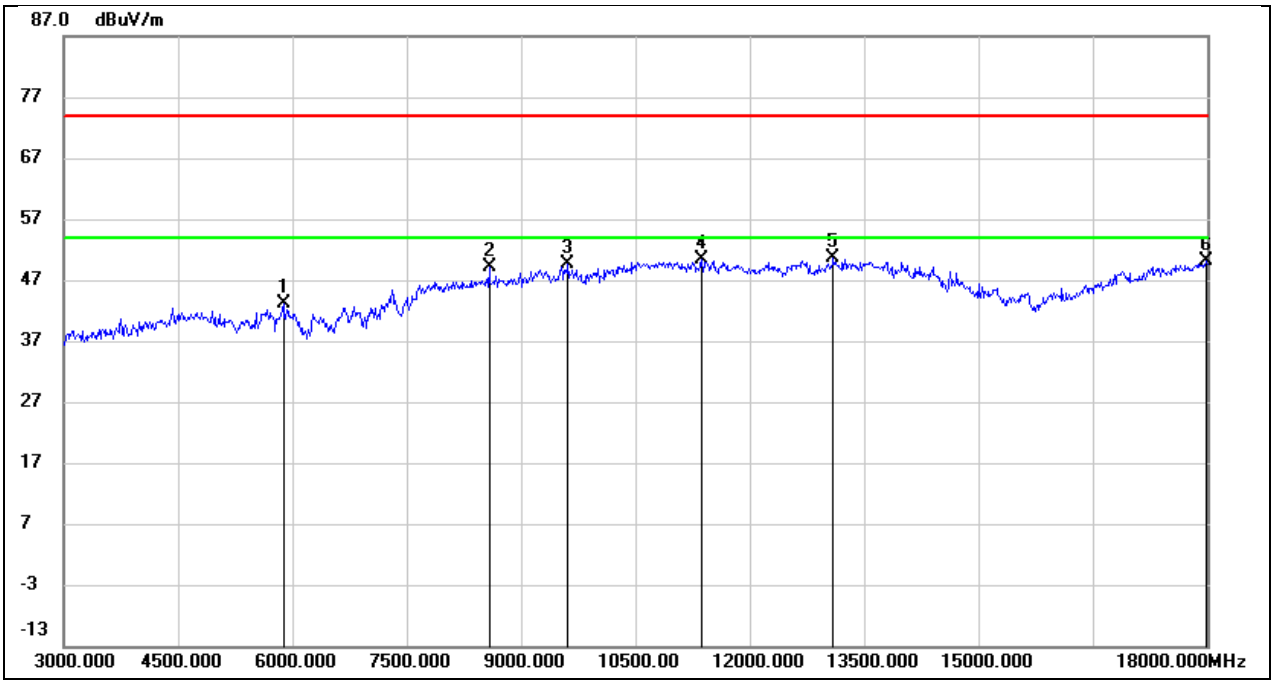
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4980.000	41.05	1.00	42.05	74.00	-31.95	peak
2	8505.000	38.79	9.03	47.82	74.00	-26.18	peak
3	9255.000	37.92	11.17	49.09	74.00	-24.91	peak
4	11460.000	32.80	17.59	50.39	74.00	-23.61	peak
5	13425.000	27.21	22.55	49.76	74.00	-24.24	peak
6	17970.000	21.45	28.27	49.72	74.00	-24.28	peak

Test Mode:	SRD 2.4G 60M	Frequency(MHz):	2432.5
Polarity:	Vertical	Test Voltage:	DC 5V



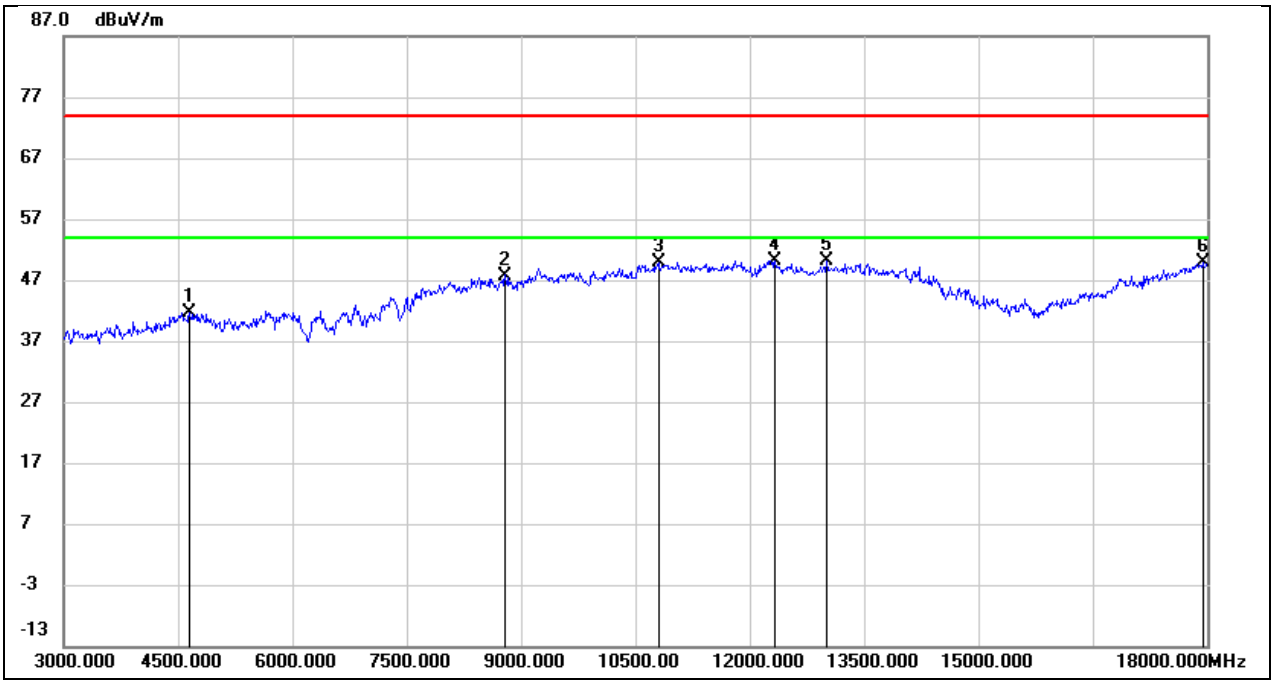
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4830.000	41.76	0.64	42.40	74.00	-31.60	peak
2	8340.000	38.91	8.82	47.73	74.00	-26.27	peak
3	9270.000	38.06	11.23	49.29	74.00	-24.71	peak
4	11475.000	32.52	17.62	50.14	74.00	-23.86	peak
5	13320.000	28.63	22.11	50.74	74.00	-23.26	peak
6	17775.000	23.10	26.63	49.73	74.00	-24.27	peak

Test Mode:	SRD 2.4G 60M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 5V



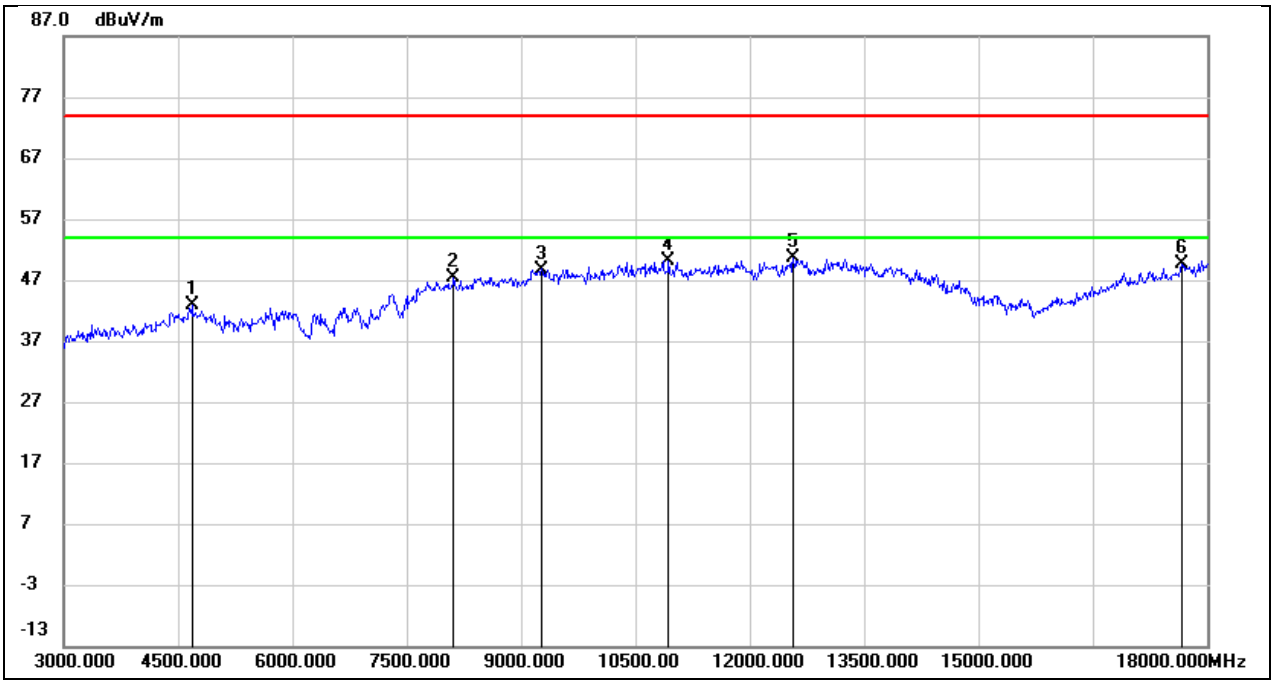
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5880.000	40.36	2.72	43.08	74.00	-30.92	peak
2	8580.000	39.77	9.24	49.01	74.00	-24.99	peak
3	9615.000	36.86	12.69	49.55	74.00	-24.45	peak
4	11370.000	33.07	17.42	50.49	74.00	-23.51	peak
5	13095.000	29.52	21.05	50.57	74.00	-23.43	peak
6	17985.000	21.62	28.41	50.03	74.00	-23.97	peak

Test Mode:	SRD 2.4G 60M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 5V



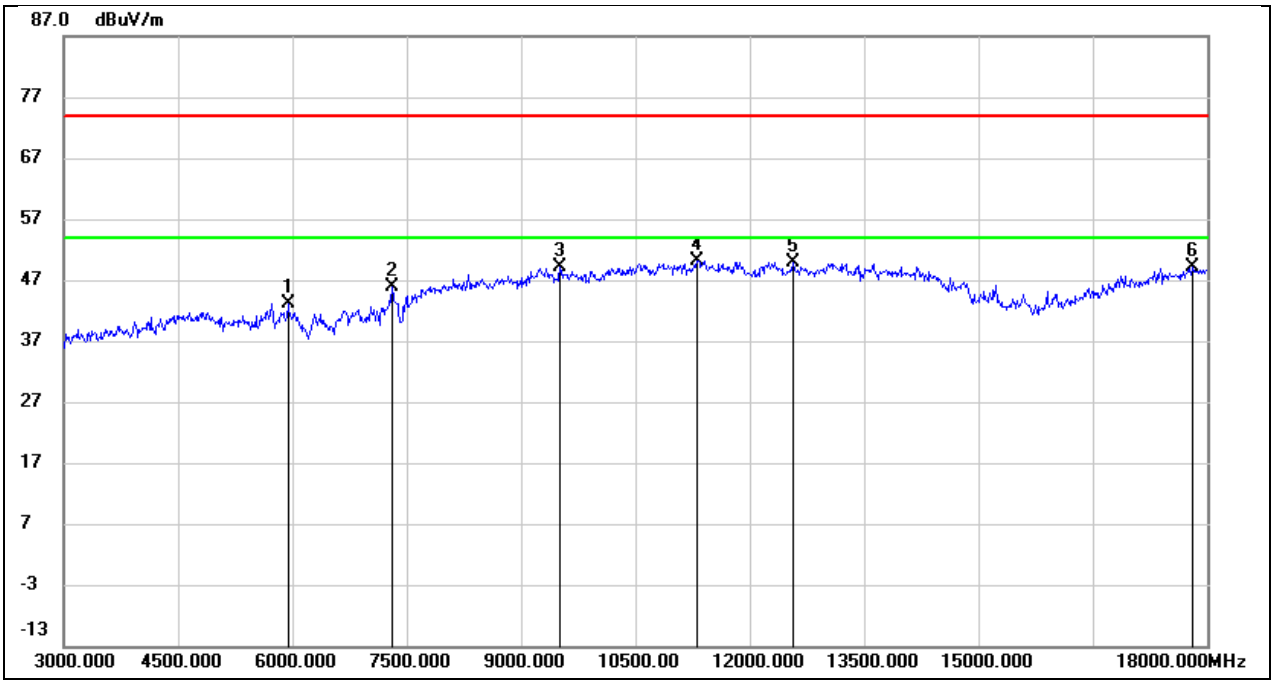
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4650.000	41.53	0.12	41.65	74.00	-32.35	peak
2	8790.000	38.26	9.49	47.75	74.00	-26.25	peak
3	10800.000	34.65	15.31	49.96	74.00	-24.04	peak
4	12330.000	30.68	19.46	50.14	74.00	-23.86	peak
5	13005.000	29.60	20.56	50.16	74.00	-23.84	peak
6	17940.000	21.88	28.02	49.90	74.00	-24.10	peak

Test Mode:	SRD 2.4G 60M	Frequency(MHz):	2442.5
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4680.000	42.59	0.21	42.80	74.00	-31.20	peak
2	8115.000	38.89	8.41	47.30	74.00	-26.70	peak
3	9270.000	37.52	11.23	48.75	74.00	-25.25	peak
4	10935.000	34.18	16.02	50.20	74.00	-23.80	peak
5	12570.000	30.91	19.68	50.59	74.00	-23.41	peak
6	17670.000	23.58	26.02	49.60	74.00	-24.40	peak

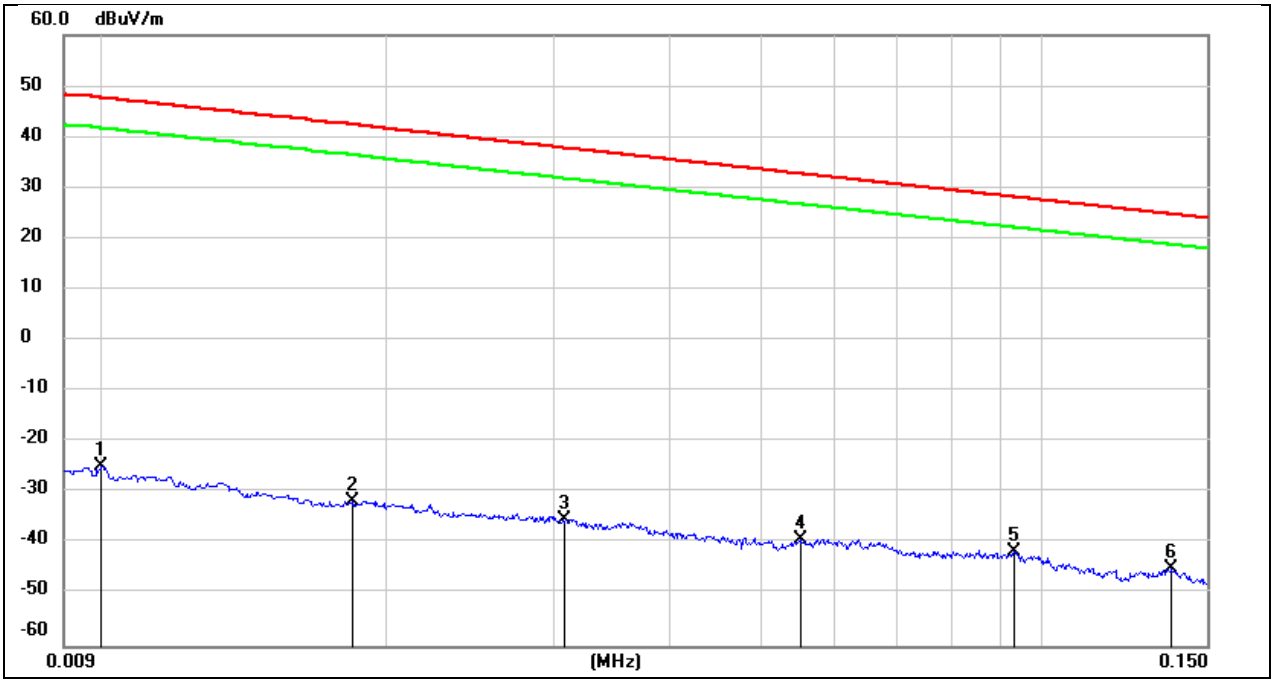
Test Mode:	SRD 2.4G 60M	Frequency(MHz):	2442.5
Polarity:	Vertical	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5940.000	40.20	2.83	43.03	74.00	-30.97	peak
2	7305.000	39.12	6.88	46.00	74.00	-28.00	peak
3	9510.000	36.99	12.25	49.24	74.00	-24.76	peak
4	11310.000	32.68	17.36	50.04	74.00	-23.96	peak
5	12570.000	30.30	19.68	49.98	74.00	-24.02	peak
6	17805.000	22.40	26.82	49.22	74.00	-24.78	peak

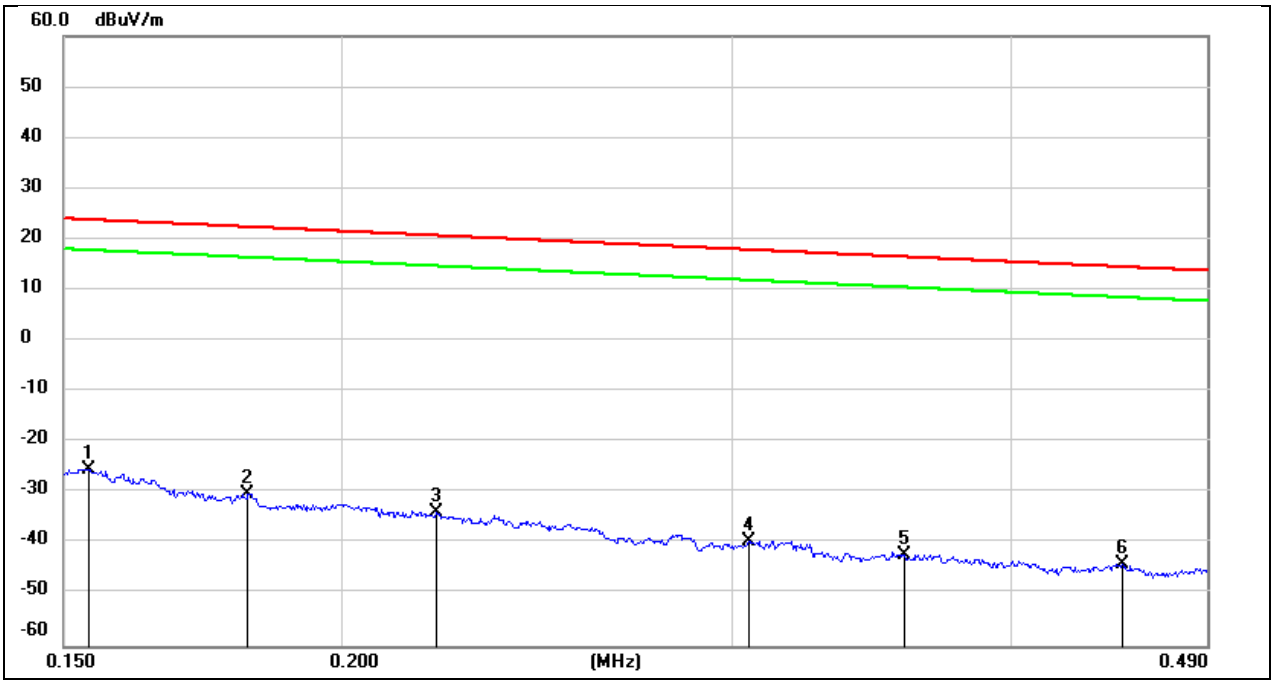
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	SRD 2.4G	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 5V



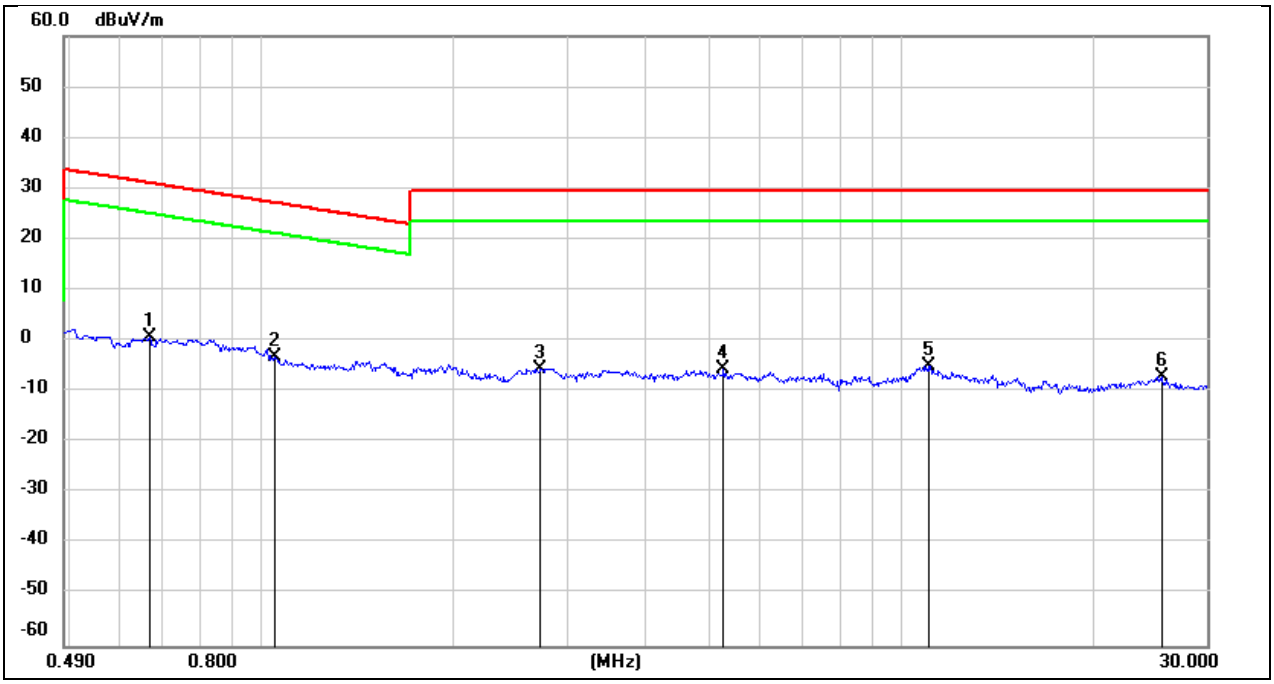
No.	Frequency	Reading	Correct	FCC Result	FCC Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0100	76.72	-101.40	-24.68	47.60	-72.28	peak
2	0.0183	69.70	-101.36	-31.66	42.35	-74.01	peak
3	0.0309	66.18	-101.39	-35.21	37.80	-73.01	peak
4	0.0551	62.45	-101.50	-39.05	32.78	-71.83	peak
5	0.0932	60.29	-101.74	-41.45	28.21	-69.66	peak
6	0.1375	56.69	-101.67	-44.98	24.84	-69.82	peak

Test Mode:	SRD 2.4G	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1539	76.24	-101.64	-25.40	23.86	-49.26	peak
2	0.1816	71.54	-101.68	-30.14	22.42	-52.56	peak
3	0.2207	68.02	-101.75	-33.73	20.72	-54.45	peak
4	0.3048	62.54	-101.86	-39.32	17.92	-57.24	peak
5	0.3583	59.80	-101.91	-42.11	16.52	-58.63	peak
6	0.4489	58.16	-102.01	-43.85	14.56	-58.41	peak

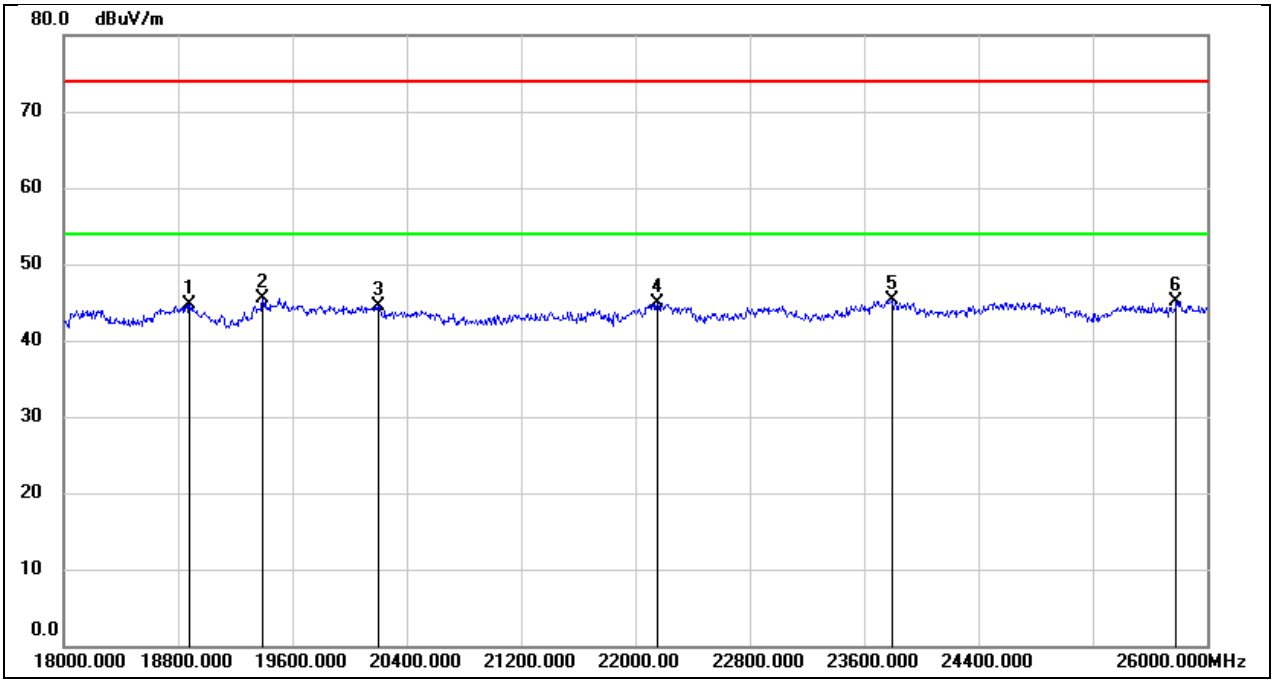
Test Mode:	SRD 2.4G	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.6671	62.75	-62.10	0.65	31.12	-30.47	peak
2	1.0443	59.03	-62.25	-3.22	27.23	-30.45	peak
3	2.7328	56.22	-61.65	-5.43	29.54	-34.97	peak
4	5.2705	56.04	-61.45	-5.41	29.54	-34.95	peak
5	10.9954	55.84	-60.84	-5.00	29.54	-34.54	peak
6	25.4847	53.22	-60.40	-7.18	29.54	-36.72	peak

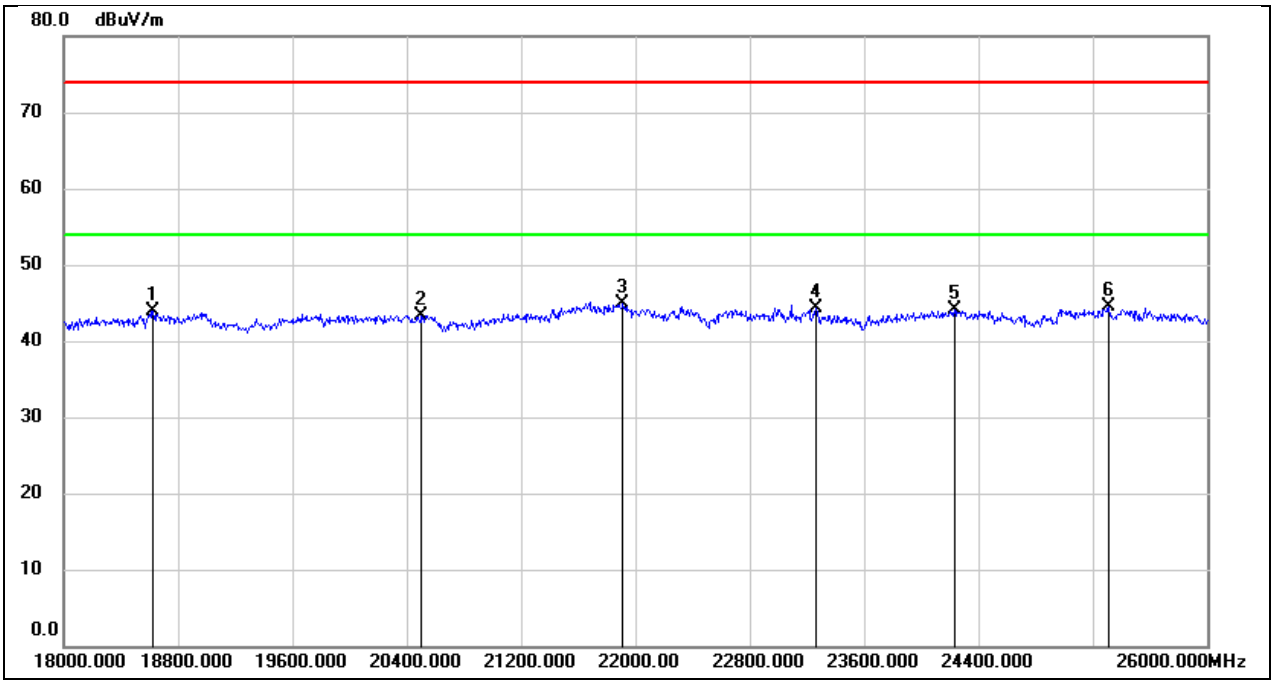
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	SRD 2.4G	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18880.000	49.99	-5.32	44.67	74.00	-29.33	peak
2	19392.000	51.12	-5.57	45.55	74.00	-28.45	peak
3	20200.000	50.04	-5.58	44.46	74.00	-29.54	peak
4	22152.000	49.22	-4.32	44.90	74.00	-29.10	peak
5	23800.000	48.41	-3.11	45.30	74.00	-28.70	peak
6	25784.000	45.70	-0.67	45.03	74.00	-28.97	peak

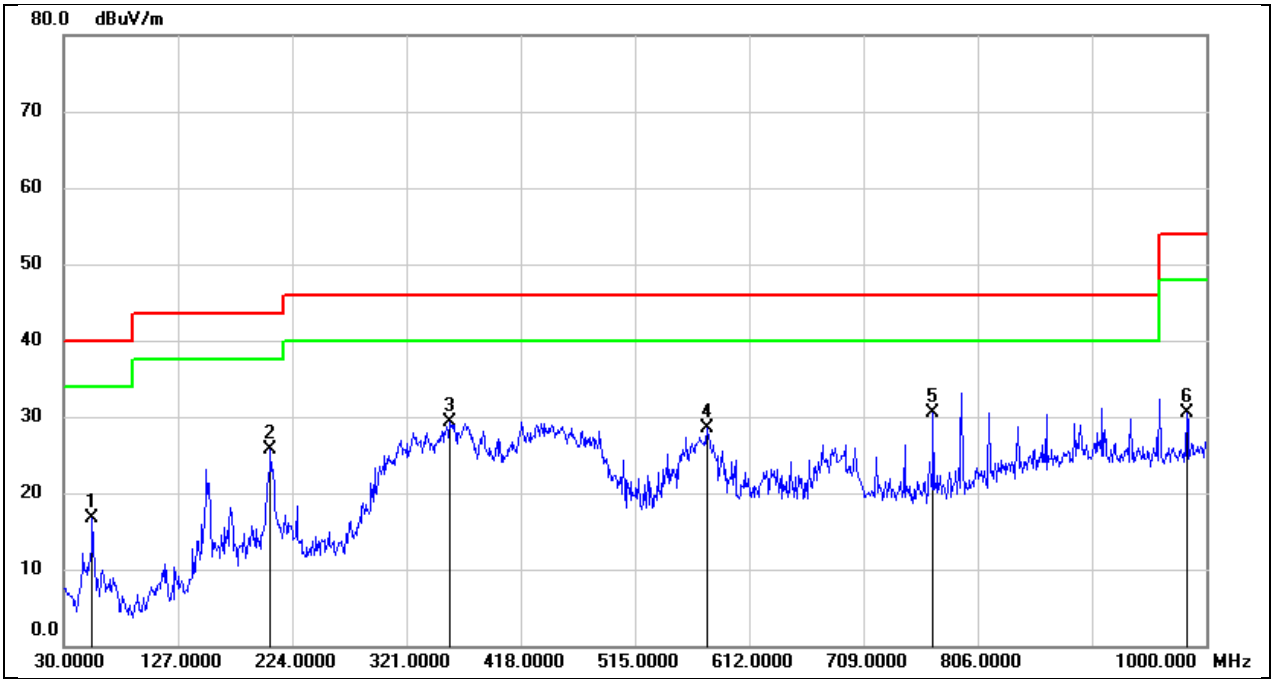
Test Mode:	SRD 2.4G	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18624.000	49.33	-5.34	43.99	74.00	-30.01	peak
2	20504.000	48.73	-5.35	43.38	74.00	-30.62	peak
3	21912.000	49.39	-4.43	44.96	74.00	-29.04	peak
4	23264.000	47.76	-3.36	44.40	74.00	-29.60	peak
5	24232.000	46.96	-2.82	44.14	74.00	-29.86	peak
6	25312.000	46.20	-1.70	44.50	74.00	-29.50	peak

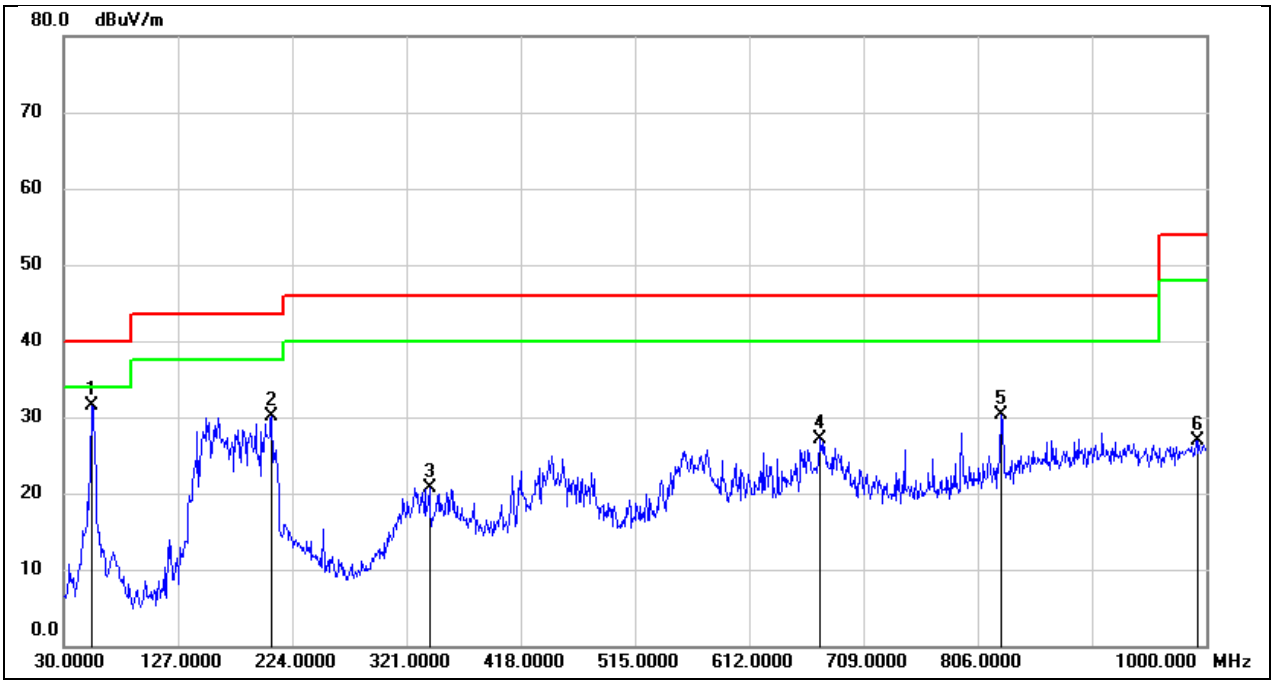
8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	SRD 2.4G	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	54.2500	31.68	-15.02	16.66	40.00	-23.34	QP
2	205.5700	38.17	-12.52	25.65	43.50	-17.85	QP
3	357.8599	38.88	-9.54	29.34	46.00	-16.66	QP
4	576.1100	34.84	-6.35	28.49	46.00	-17.51	QP
5	768.1700	33.78	-3.21	30.57	46.00	-15.43	QP
6	983.5100	30.89	-0.36	30.53	54.00	-23.47	QP

Test Mode:	SRD 2.4G	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 5V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	54.2500	46.52	-15.02	31.50	40.00	-8.50	QP
2	206.5399	42.76	-12.56	30.20	43.50	-13.30	QP
3	340.4000	30.68	-9.91	20.77	46.00	-25.23	QP
4	672.1400	32.05	-4.98	27.07	46.00	-18.93	QP
5	825.4000	32.24	-1.94	30.30	46.00	-15.70	QP
6	993.2100	27.15	-0.23	26.92	54.00	-27.08	QP

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.247(b)(4)
The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

10. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a)

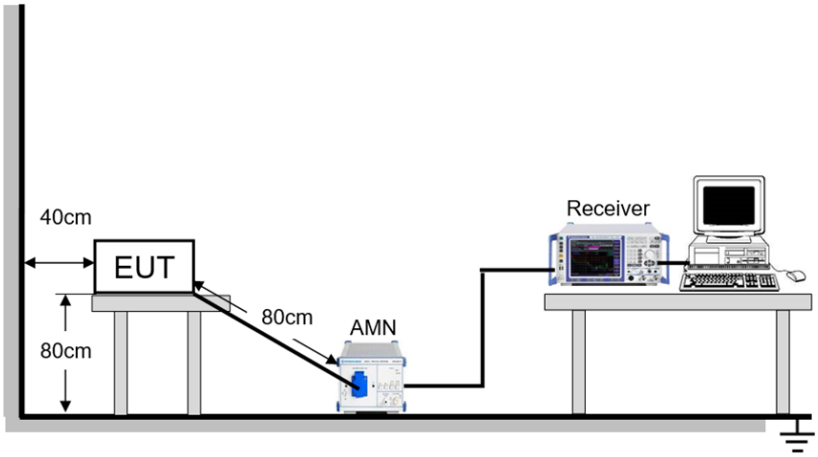
FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST PROCEDURE

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

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

TEST SETUP



TEST ENVIRONMENT

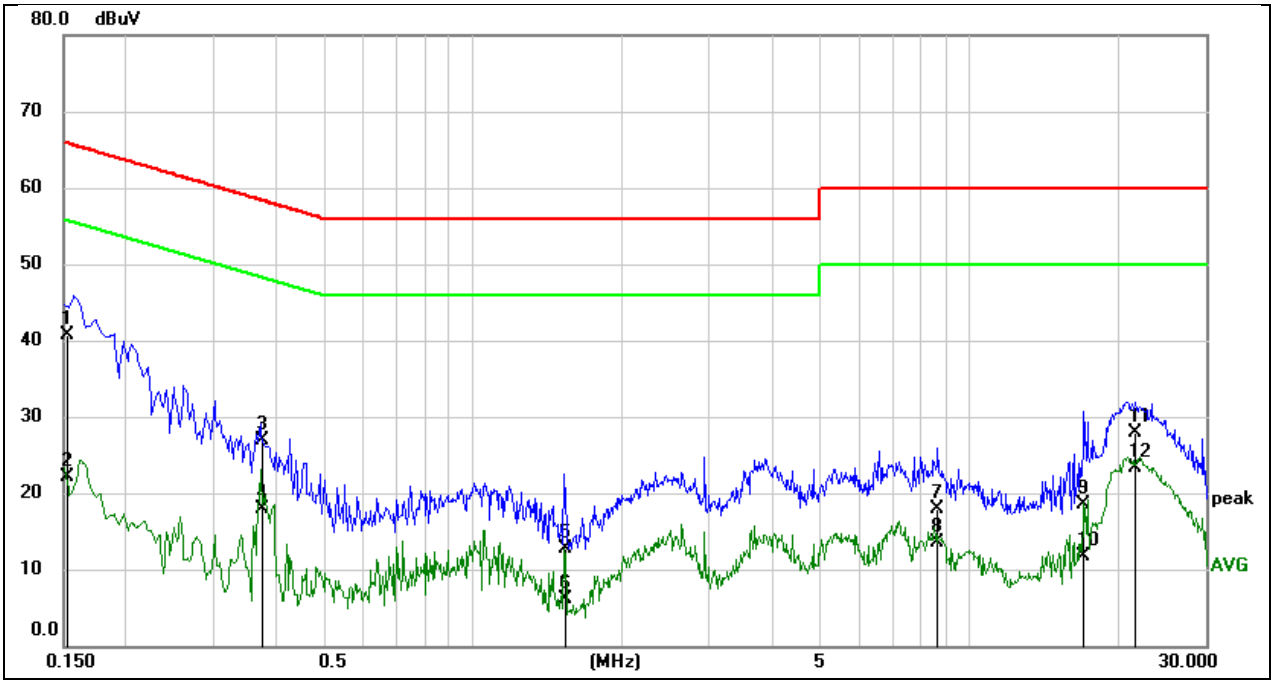
Temperature	22.3℃	Relative Humidity	53.5%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

TEST DATE / ENGINEER

Test Date	June 13, 2025	Test By	Deacon Tan

TEST RESULTS

Test Mode:	SRD 2.4G	Frequency(MHz):	2407.5
Line:	Line		

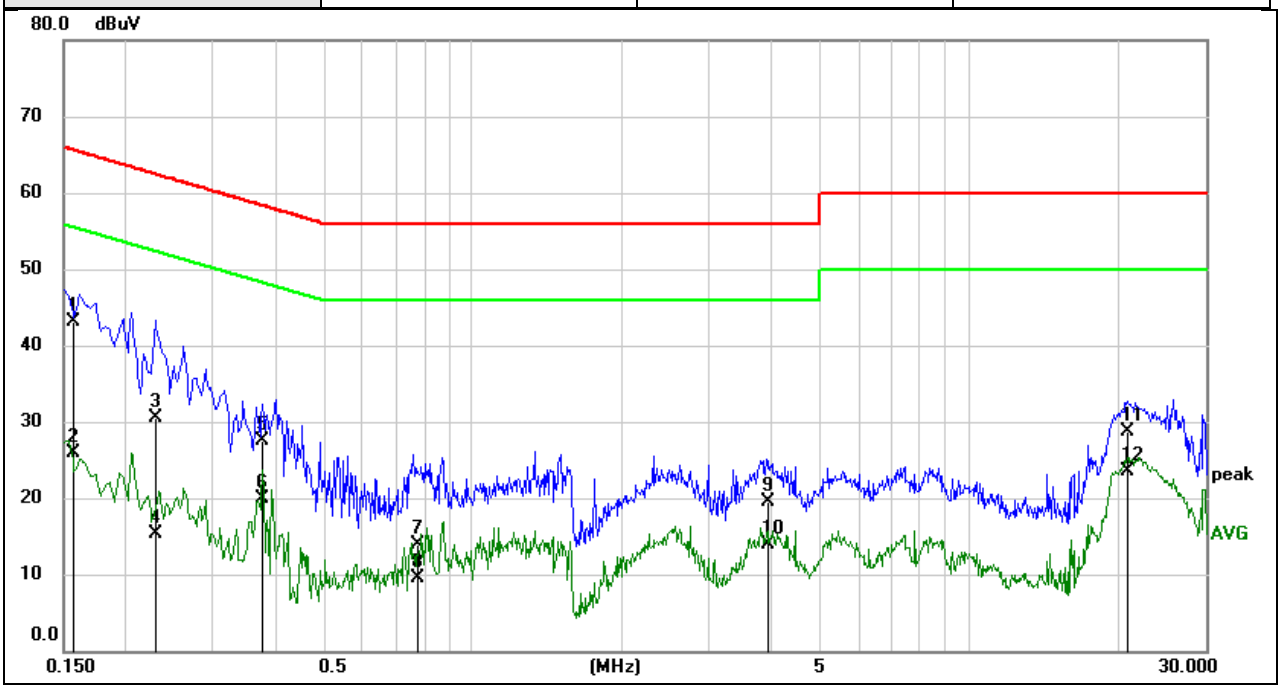


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1531	31.07	9.73	40.80	65.83	-25.03	QP
2	0.1531	12.39	9.73	22.12	55.83	-33.71	AVG
3	0.3780	17.25	9.64	26.89	58.32	-31.43	QP
4	0.3780	8.34	9.64	17.98	48.32	-30.34	AVG
5	1.5384	2.97	9.69	12.66	56.00	-43.34	QP
6	1.5384	-3.67	9.69	6.02	46.00	-39.98	AVG
7	8.6238	8.27	9.73	18.00	60.00	-42.00	QP
8	8.6238	3.77	9.73	13.50	50.00	-36.50	AVG
9	17.0317	8.84	9.74	18.58	60.00	-41.42	QP
10	17.0317	1.88	9.74	11.62	50.00	-38.38	AVG
11	21.5582	18.09	9.72	27.81	60.00	-32.19	QP
12	21.5582	13.66	9.72	23.38	50.00	-26.62	AVG

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

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

Test Mode:	SRD 2.4G	Frequency(MHz):	2407.5
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1579	33.43	9.64	43.07	65.57	-22.50	QP
2	0.1579	16.34	9.64	25.98	55.57	-29.59	AVG
3	0.2315	20.82	9.64	30.46	62.40	-31.94	QP
4	0.2315	5.66	9.64	15.30	52.40	-37.10	AVG
5	0.3760	17.90	9.64	27.54	58.37	-30.83	QP
6	0.3760	10.23	9.64	19.87	48.37	-28.50	AVG
7	0.7787	4.37	9.63	14.00	56.00	-42.00	QP
8	0.7787	-0.06	9.63	9.57	46.00	-36.43	AVG
9	3.9631	9.89	9.63	19.52	56.00	-36.48	QP
10	3.9631	4.21	9.63	13.84	46.00	-32.16	AVG
11	20.8191	18.90	9.73	28.63	60.00	-31.37	QP
12	20.8191	13.86	9.73	23.59	50.00	-26.41	AVG

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

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

11. TEST DATA

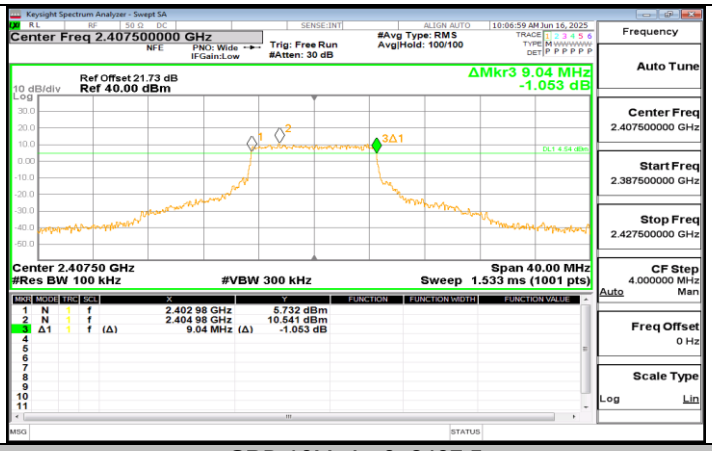
11.1. APPENDIX A: DTS BANDWIDTH

11.1.1. Test Result

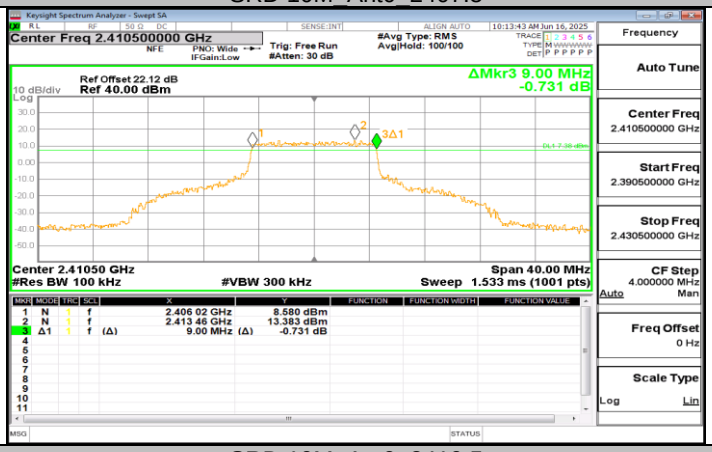
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD 10M	Ant0	2407.5	9.040	2402.980	2412.020	≥0.5	PASS
	Ant0	2410.5	9.000	2406.020	2415.020	≥0.5	PASS
	Ant0	2437.5	9.000	2433.020	2442.020	≥0.5	PASS
	Ant0	2465.5	9.040	2460.980	2470.020	≥0.5	PASS
	Ant0	2467.5	9.000	2463.020	2472.020	≥0.5	PASS
SRD 20M	Ant0	2412.5	17.920	2403.540	2421.460	≥0.5	PASS
	Ant0	2416.5	17.720	2407.660	2425.380	≥0.5	PASS
	Ant0	2437.5	17.600	2428.580	2446.180	≥0.5	PASS
	Ant0	2456.5	17.560	2447.820	2465.380	≥0.5	PASS
	Ant0	2458.5	17.360	2449.980	2467.340	≥0.5	PASS
	Ant0	2462.5	17.920	2453.540	2471.460	≥0.5	PASS
SRD 40M	Ant0	2422.5	35.920	2404.580	2440.500	≥0.5	PASS
	Ant0	2426.5	35.840	2408.580	2444.420	≥0.5	PASS
	Ant0	2437.5	26.000	2424.380	2450.380	≥0.5	PASS
	Ant0	2447.5	35.760	2429.660	2465.420	≥0.5	PASS
	Ant0	2452.5	35.920	2434.580	2470.500	≥0.5	PASS
SRD 60M	Ant0	2432.5	53.640	2405.740	2459.380	≥0.5	PASS
	Ant0	2437.5	53.640	2410.740	2464.380	≥0.5	PASS
	Ant0	2442.5	53.640	2415.740	2469.380	≥0.5	PASS

Note: All the modes and antennas had been tested, but only the worst data were recorded in the report.

11.1.2. Test Graphs

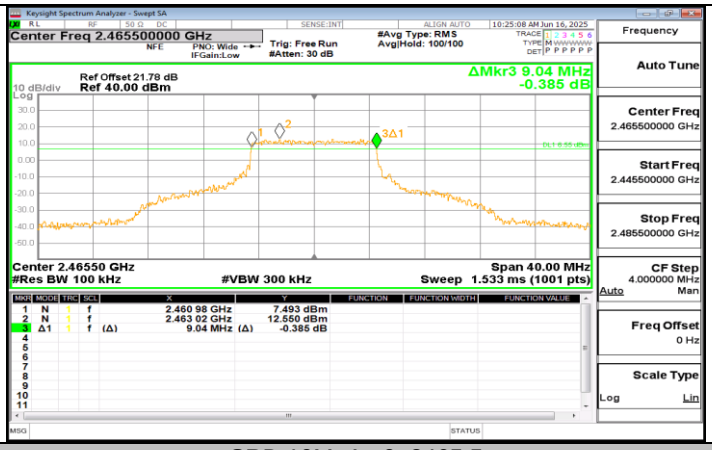


SRD 10M_Ant0_2407.5

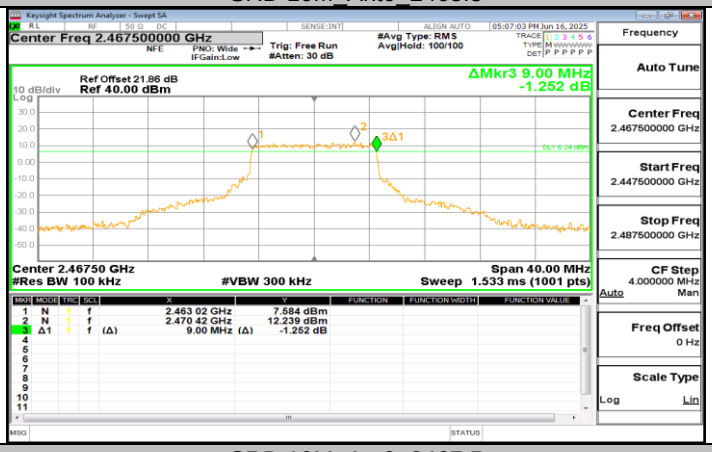


SRD 10M_Ant0_2410.5

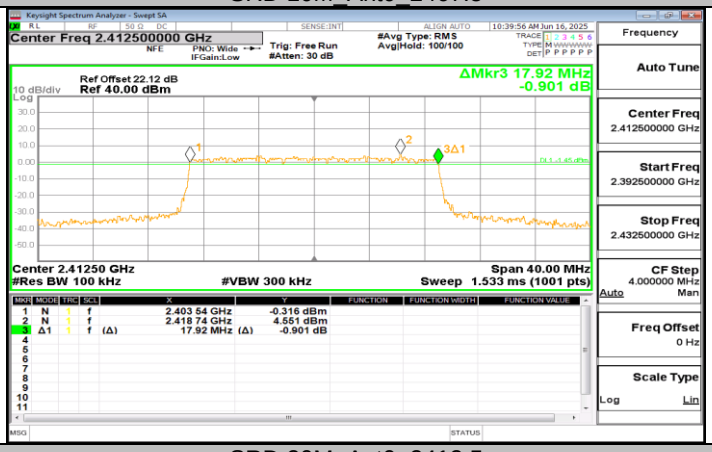
SRD 10M_Ant0_2437.5



SRD 10M_Ant0_2465.5

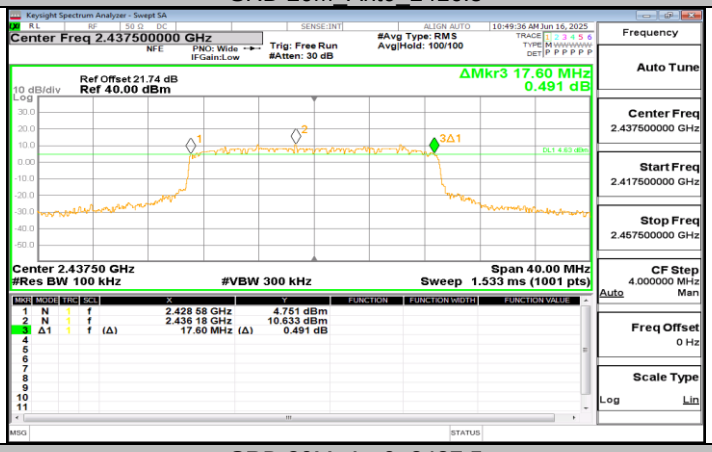


SRD 10M_Ant0_2467.5

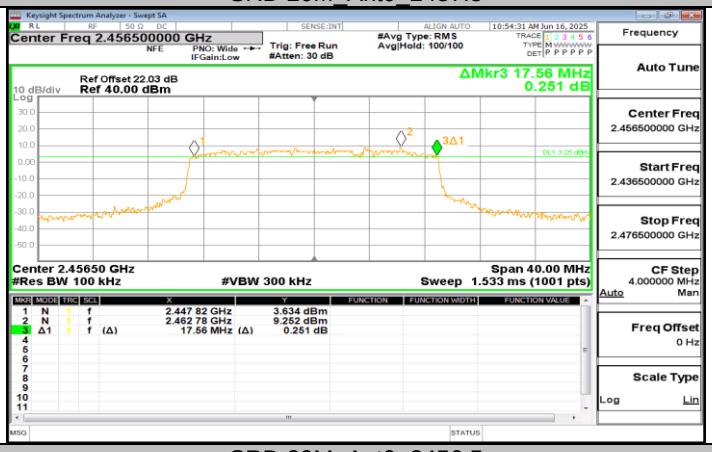


SRD 20M_Ant0_2412.5

SRD 20M_Ant0_2416.5

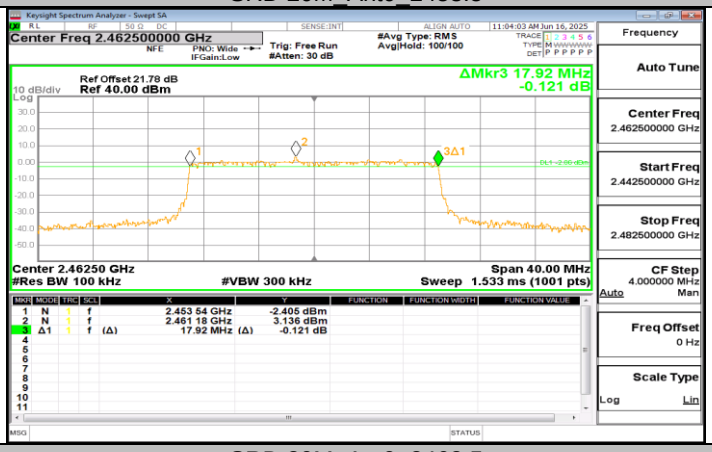


SRD 20M_Ant0_2437.5



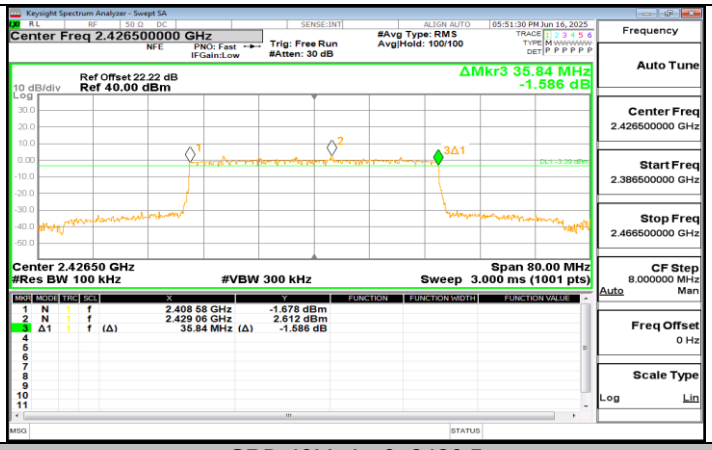
SRD 20M_Ant0_2456.5

SRD 20M_Ant0_2458.5

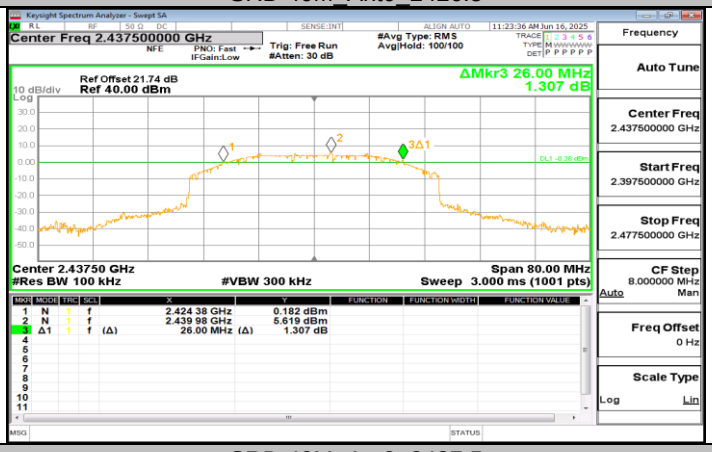


SRD 20M_Ant0_2462.5

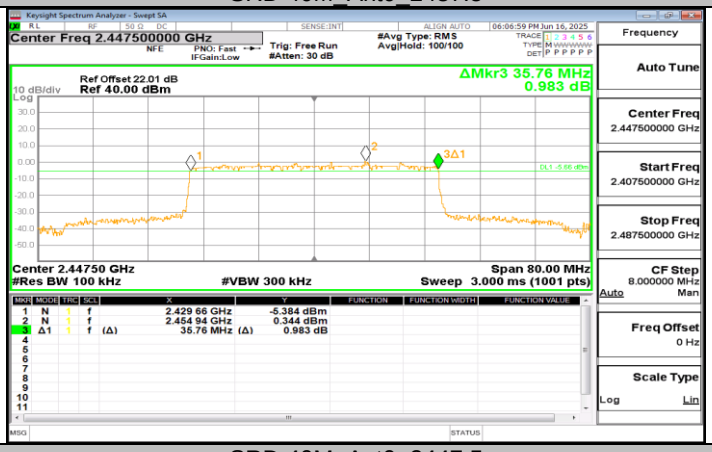
SRD 40M_Ant0_2422.5



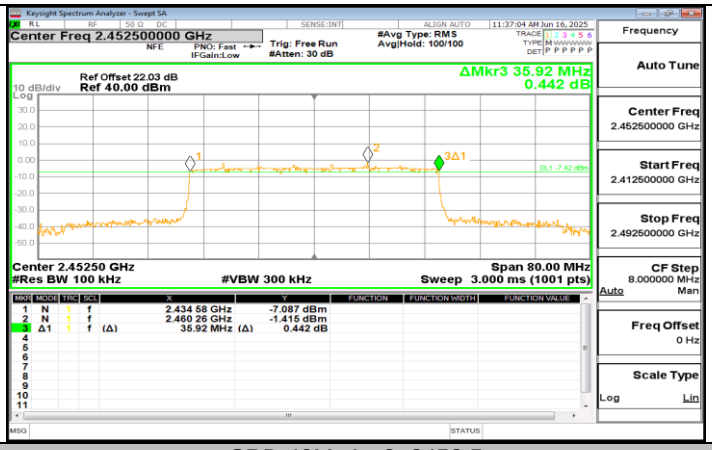
SRD 40M_Ant0_2426.5



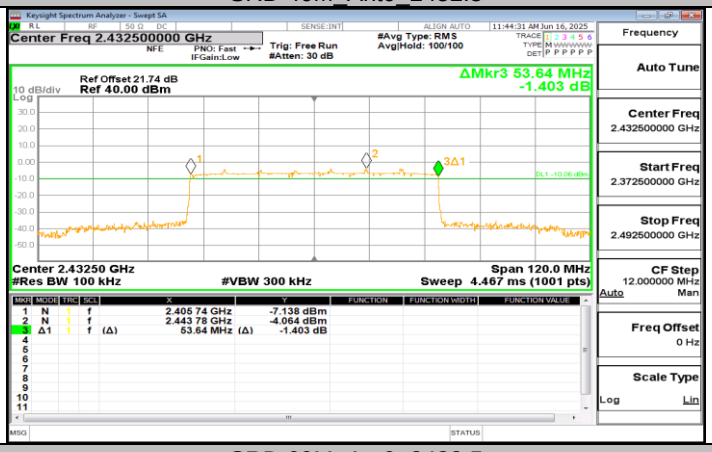
SRD 40M_Ant0_2437.5



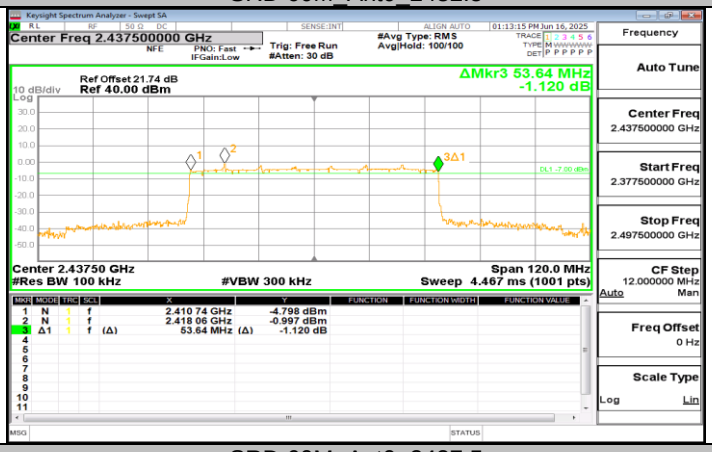
SRD 40M_Ant0_2447.5



SRD 40M_Ant0_2452.5



SRD 60M_Ant0_2432.5



SRD 60M_Ant0_2437.5

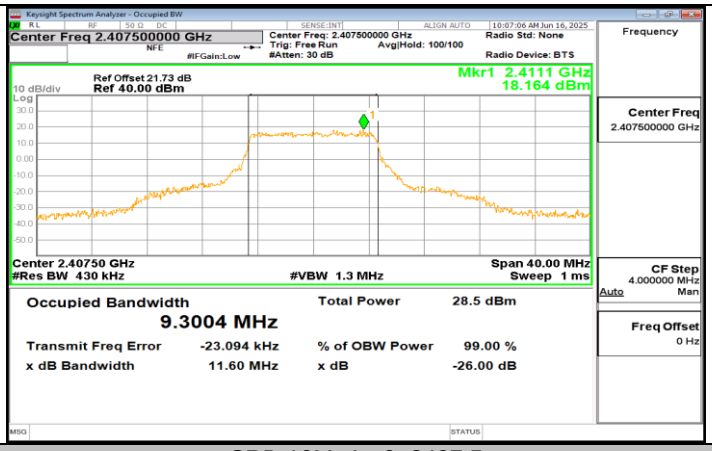
SRD 60M_Ant0_2442.5

11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

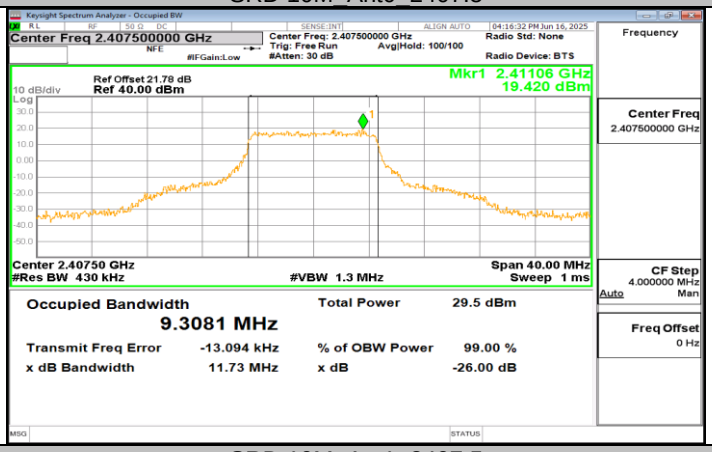
11.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
SRD 10M	Ant0	2407.5	9.3004	2402.8267	2412.1271	PASS
	Ant1	2407.5	9.3081	2402.8329	2412.1410	PASS
	Ant0	2410.5	9.4263	2405.7849	2415.2112	PASS
	Ant1	2410.5	9.3776	2405.7789	2415.1565	PASS
	Ant0	2437.5	9.3662	2432.7962	2442.1624	PASS
	Ant1	2437.5	9.4325	2432.7928	2442.2253	PASS
	Ant0	2465.5	9.3551	2460.7994	2470.1545	PASS
	Ant1	2465.5	9.3104	2460.8222	2470.1326	PASS
	Ant0	2467.5	10.124	2462.4386	2472.5626	PASS
	Ant1	2467.5	9.2946	2462.8519	2472.1465	PASS
SRD 20M	Ant0	2412.5	18.047	2403.4857	2421.5327	PASS
	Ant1	2412.5	18.051	2403.4807	2421.5317	PASS
	Ant0	2416.5	17.911	2407.5511	2425.4621	PASS
	Ant1	2416.5	17.934	2407.5469	2425.4809	PASS
	Ant0	2437.5	17.907	2428.5723	2446.4793	PASS
	Ant1	2437.5	17.939	2428.5403	2446.4793	PASS
	Ant0	2456.5	17.908	2447.5557	2465.4637	PASS
	Ant1	2456.5	17.902	2447.5668	2465.4688	PASS
	Ant0	2458.5	17.931	2449.5426	2467.4736	PASS
	Ant1	2458.5	18.051	2449.4841	2467.5351	PASS
	Ant0	2462.5	18.019	2453.4768	2471.4958	PASS
	Ant1	2462.5	18.023	2453.4767	2471.4997	PASS
SRD 40M	Ant0	2422.5	36.212	2404.4064	2440.6184	PASS
	Ant1	2422.5	36.181	2404.4163	2440.5973	PASS
	Ant0	2426.5	33.662	2409.7259	2443.3879	PASS
	Ant1	2426.5	36.172	2408.4497	2444.6217	PASS
	Ant0	2437.5	33.568	2420.8014	2454.3694	PASS
	Ant1	2437.5	33.346	2420.9110	2454.2570	PASS
	Ant0	2447.5	33.441	2430.7334	2464.1744	PASS
	Ant1	2447.5	36.170	2429.4463	2465.6163	PASS
	Ant0	2452.5	36.108	2434.4581	2470.5661	PASS
	Ant1	2452.5	36.026	2434.4796	2470.5056	PASS
SRD 60M	Ant0	2432.5	53.885	2405.5054	2459.3904	PASS
	Ant1	2432.5	54.001	2405.5111	2459.5121	PASS
	Ant0	2435.5	51.599	2409.7861	2461.3851	PASS
	Ant1	2435.5	53.976	2408.5335	2462.5095	PASS
	Ant0	2437.5	53.924	2410.6005	2464.5245	PASS
	Ant1	2437.5	53.870	2410.5458	2464.4158	PASS
	Ant0	2442.5	53.920	2415.5089	2469.4289	PASS
	Ant1	2442.5	53.580	2415.6983	2469.2783	PASS

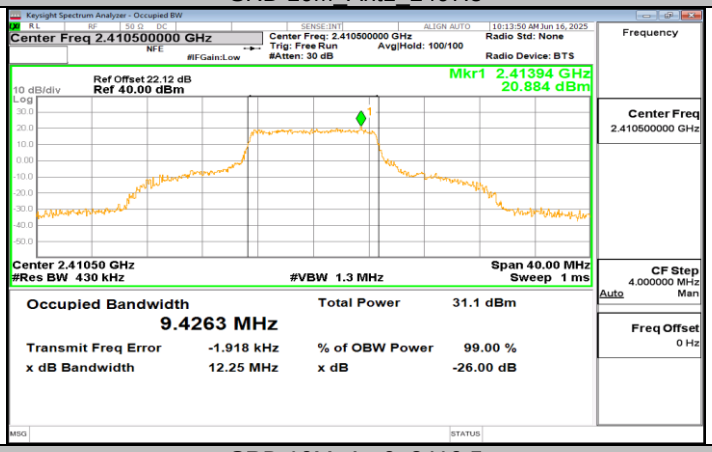
11.2.2. Test Graphs



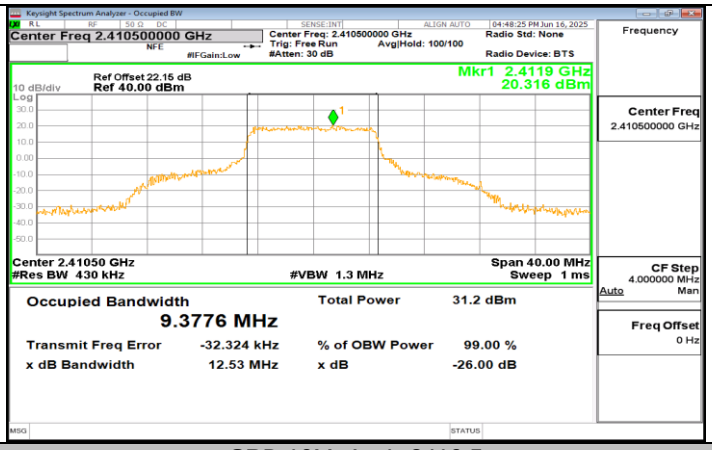
SRD 10M_Ant0_2407.5



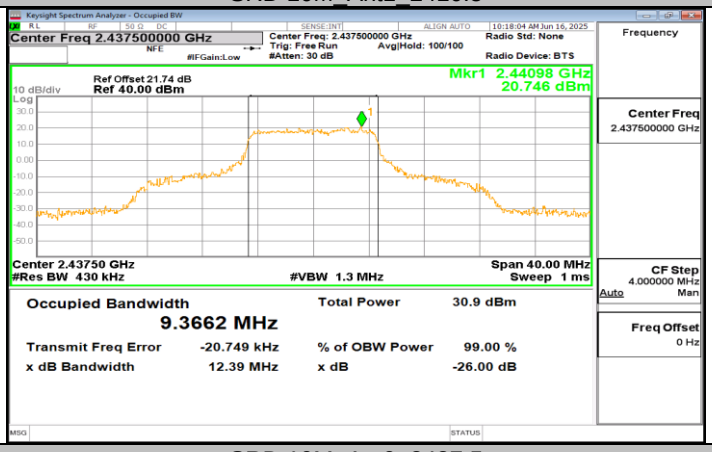
SRD 10M_Ant1_2407.5



SRD 10M_Ant0_2410.5



SRD 10M_Ant1_2410.5



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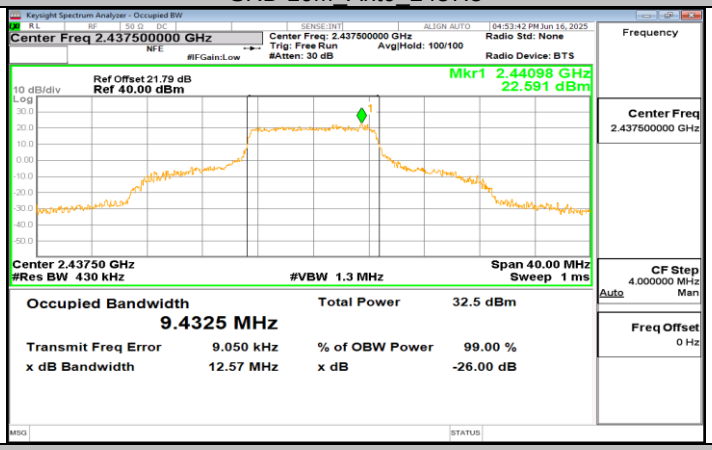
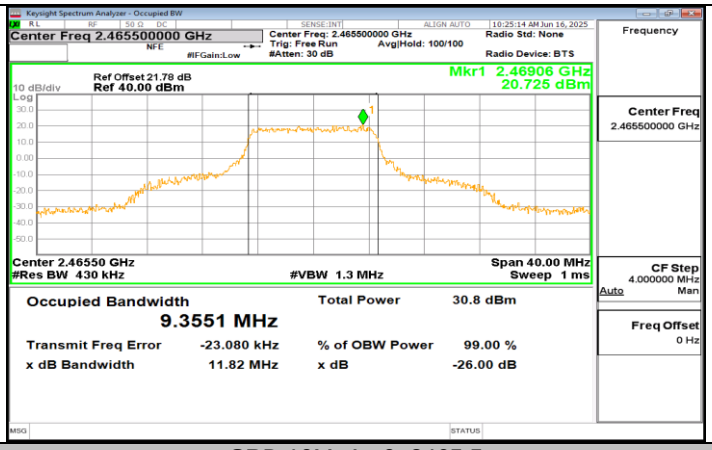


SRD 10M_Ant1_2437.5



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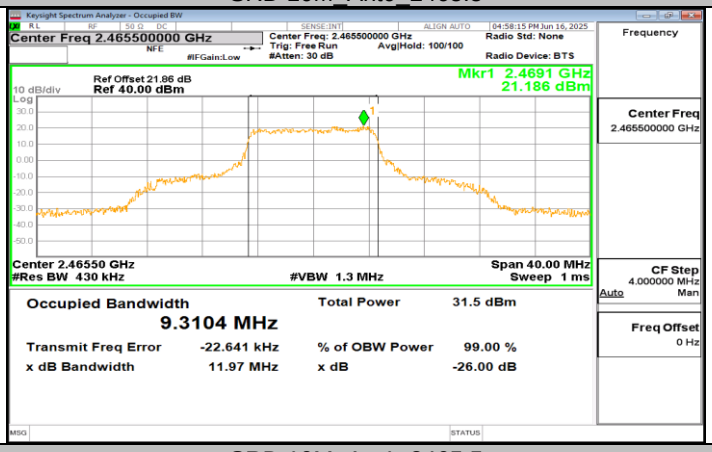

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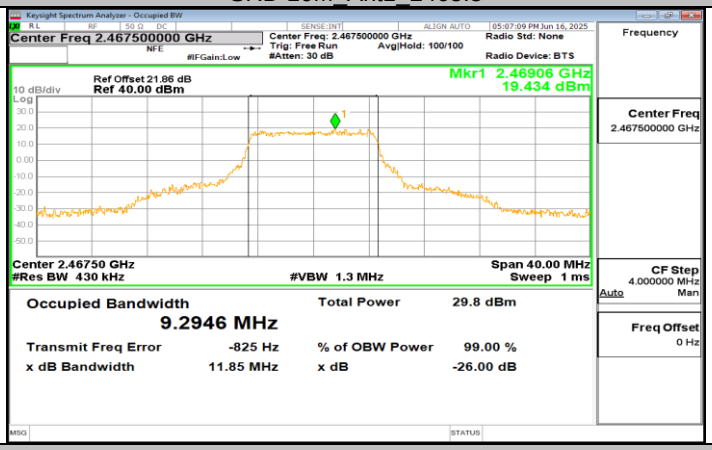
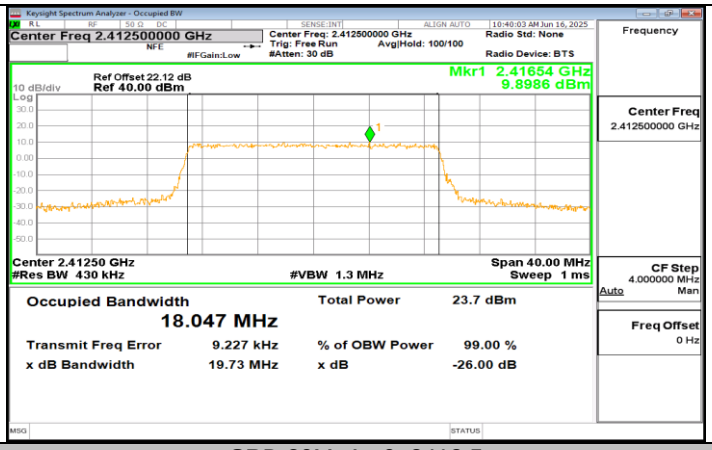
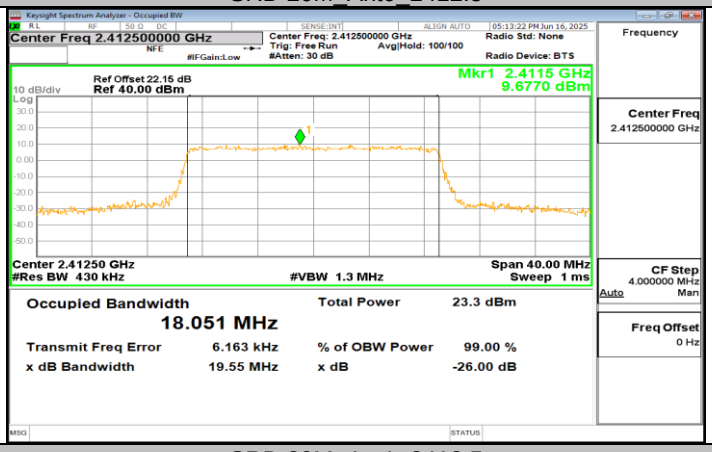


SRD 10M_Ant1_2467.5



SRD 20M_Ant0_2412.5



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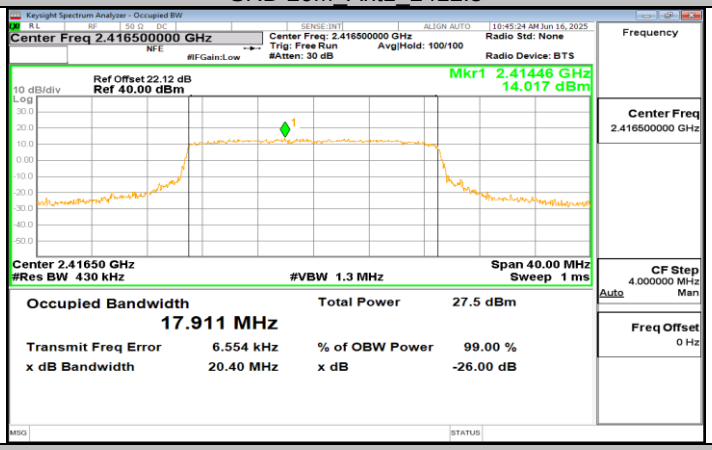
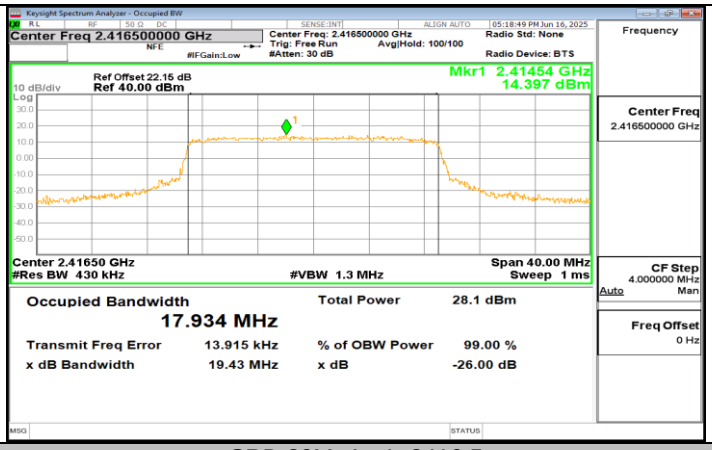


SRD 20M_Ant0_2416.5



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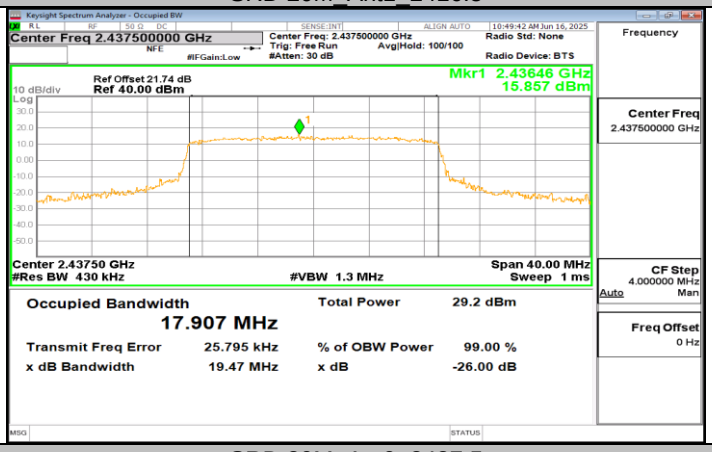

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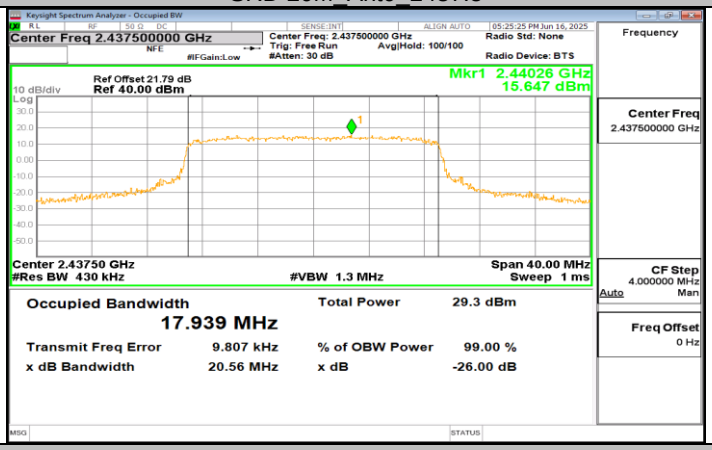

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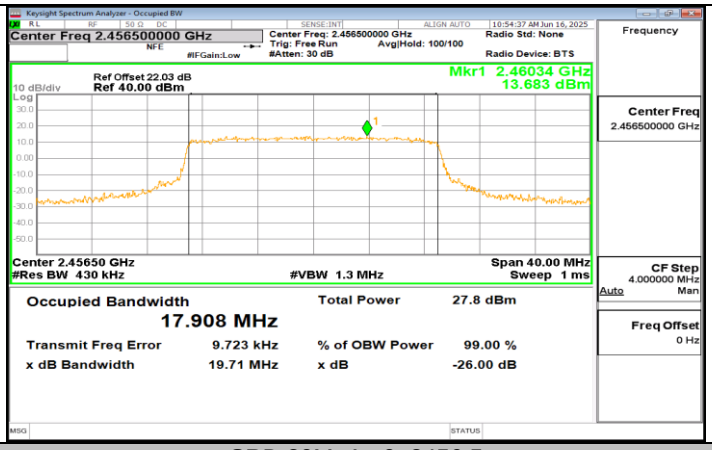
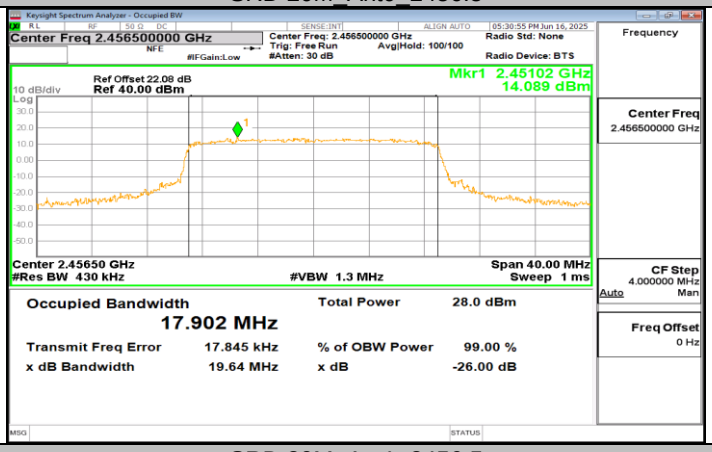


SRD 20M_Ant0_2456.5



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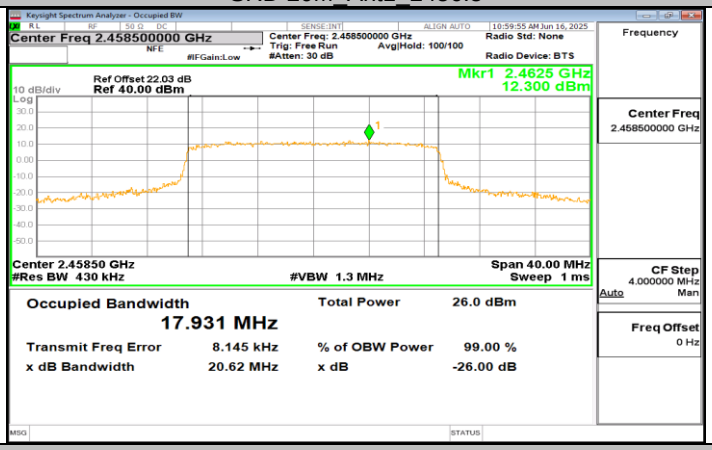

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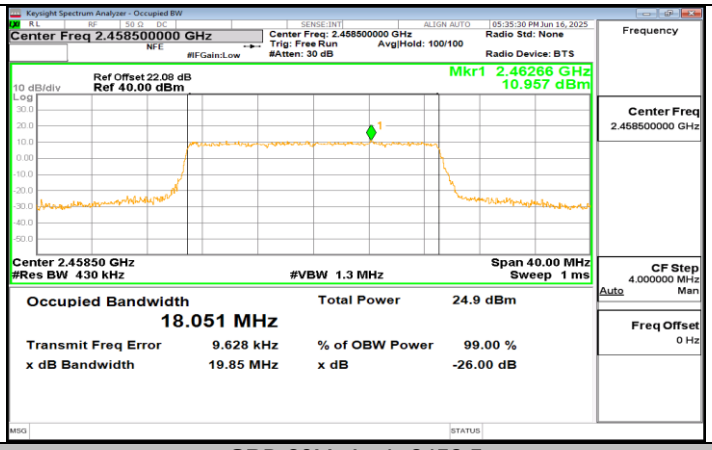

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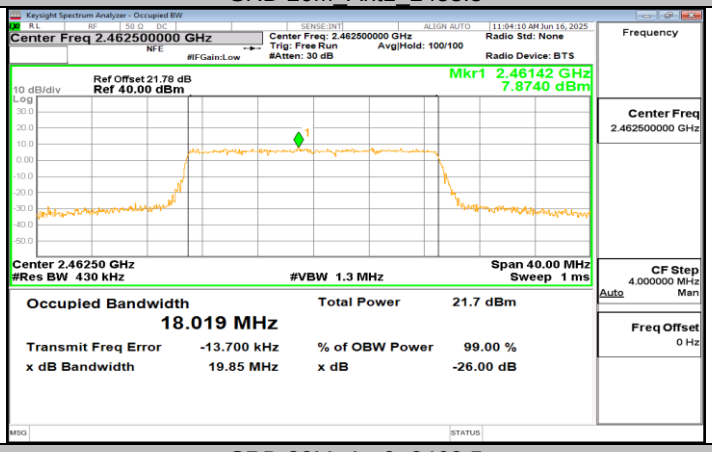

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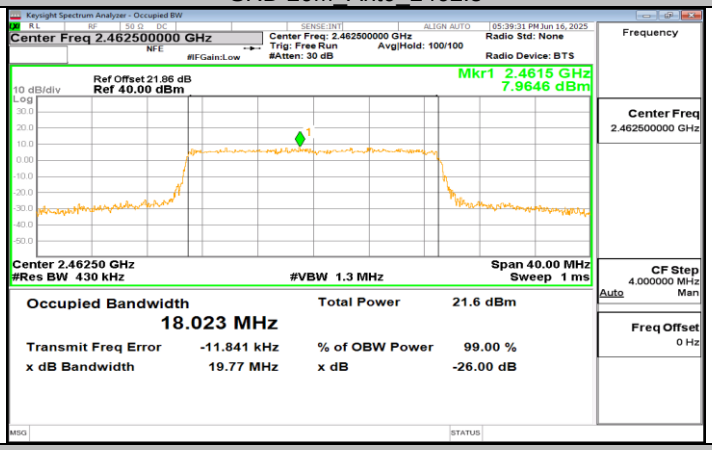

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