

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

Spatial NT Series Aircraft, Spatial N Series Aircraft

MODEL NUMBER: S3T, S3

REPORT NUMBER: 4791883648-1-RF-1

ISSUE DATE: September 25, 2025

FCC ID:2BQAI-S3T

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	September 25, 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 C63.10-2020, Clause 6.2	FCC Part 15.207	N/A
Conducted Output Power	ANSI C63.10-2020, Clause 11.9.2.3.1	FCC Part 15.247 (b)(3)	Pass
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2020, Clause 11.8.1	FCC Part 15.247 (a)(2)	Pass
Power Spectral Density	ANSI C63.10-2020, Clause 11.10.5	FCC Part 15.247 (e)	Pass
Conducted Band edge and spurious emission	ANSI C63.10-2020, Clause 11.11	FCC Part 15.247(d)	Pass
Radiated Band edge and Spurious Emission	ANSI C63.10-2020, Clause 11.12	FCC Part 15.247 (d) FCC Part 15.205/15.209	Pass
Duty Cycle	ANSI C63.10-2020, Clause 11.6	None; for reporting purposes only.	Pass

Note:

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

*This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

*The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C> when <Simple Acceptance> decision rule is applied.

CONTENTS

1. ATTESTATION OF TEST RESULTS.....	6
2. TEST METHODOLOGY.....	7
3. FACILITIES AND ACCREDITATION.....	7
4. CALIBRATION AND UNCERTAINTY	8
4.1. <i>MEASURING INSTRUMENT CALIBRATION</i>	<i>8</i>
4.2. <i>MEASUREMENT UNCERTAINTY</i>	<i>8</i>
5. EQUIPMENT UNDER TEST	9
5.1. <i>DESCRIPTION OF EUT</i>	<i>9</i>
5.2. <i>CHANNEL LIST</i>	<i>9</i>
5.3. <i>MAXIMUM POWER</i>	<i>11</i>
5.4. <i>TEST CHANNEL CONFIGURATION</i>	<i>12</i>
5.5. <i>THE WORSE CASE POWER SETTING PARAMETER</i>	<i>12</i>
5.6. <i>WORST-CASE CONFIGURATIONS.....</i>	<i>13</i>
5.7. <i>DESCRIPTION OF AVAILABLE ANTENNAS</i>	<i>14</i>
5.8. <i>SUPPORT UNITS FOR SYSTEM TEST</i>	<i>15</i>
6. MEASURING EQUIPMENT AND SOFTWARE USED.....	16
7. ANTENNA PORT TEST RESULTS	19
7.1. <i>CONDUCTED OUTPUT POWER</i>	<i>19</i>
7.2. <i>6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH.....</i>	<i>20</i>
7.3. <i>POWER SPECTRAL DENSITY</i>	<i>22</i>
7.4. <i>CONDUCTED BAND EDGE AND SPURIOUS EMISSION</i>	<i>23</i>
7.5. <i>DUTY CYCLE</i>	<i>25</i>
8. RADIATED TEST RESULTS	26
8.1. <i>RESTRICTED BANDEDGE</i>	<i>34</i>
8.2. <i>SPURIOUS EMISSIONS(1 GHZ~3 GHZ)</i>	<i>50</i>
8.3. <i>SPURIOUS EMISSIONS(3 GHZ~18 GHZ)</i>	<i>56</i>
8.4. <i>SPURIOUS EMISSIONS(9 KHZ~30 MHZ)</i>	<i>86</i>
8.5. <i>SPURIOUS EMISSIONS(18 GHZ~26 GHZ)</i>	<i>89</i>
8.6. <i>SPURIOUS EMISSIONS(30 MHZ~1 GHZ)</i>	<i>91</i>
9. ANTENNA REQUIREMENT	93
10. TEST DATA.....	94

10.1.	<i>APPENDIX A: DTS BANDWIDTH</i>	94
10.1.1.	Test Result.....	94
10.1.2.	Test Graphs	95
10.2.	<i>APPENDIX B: OCCUPIED CHANNEL BANDWIDTH</i>	106
10.2.1.	Test Result.....	106
10.2.2.	Test Graphs	106
10.3.	<i>APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER</i>	117
10.3.1.	Test Result.....	117
10.4.	<i>APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY</i>	119
10.4.1.	Test Result.....	119
10.4.2.	Test Graphs	120
10.5.	<i>APPENDIX E: BAND EDGE MEASUREMENTS</i>	131
10.5.1.	Test Result.....	131
10.5.2.	Test Graphs	132
10.6.	<i>APPENDIX F: CONDUCTED SPURIOUS EMISSION</i>	139
10.6.1.	Test Result.....	139
10.6.2.	Test Graphs	141
10.7.	<i>APPENDIX G: DUTY CYCLE</i>	171
10.7.1.	Test Result.....	171
10.7.2.	Test Graphs	172

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Spatial Hover Inc
Address: 10415A Westpark Dr. Houston TX 77042 Houston Texas United States

Manufacturer Information

Company Name: Spatial Hover Inc
Address: 10415A Westpark Dr. Houston TX 77042 Houston Texas United States

EUT Information

EUT Name: Spatial NT Series Aircraft, Spatial N Series Aircraft
Model: S3T
Series Model: S3
Sample Received Date: July 23, 2025
Sample Status: Normal
Sample ID: 8705555
Date of Tested: July 23, 2025 to September 25, 2025

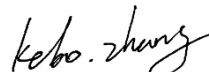
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	Pass

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Checked By:



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2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C , KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01, CFR 47 FCC Part 2, ANSI C63.10-2020, ANSI C63.10-2020 + Cor.1-2023.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note 1:

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

Note 2:

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

Note 3:

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

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. MEASUREMENT UNCERTAINTY

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

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Spatial NT Series Aircraft, Spatial N Series Aircraft
Model	S3T
Series Model	S3
Model Difference	S3 is identical with the test model S3T except the PTZ camera. S3T has thermal camera function but S3 hasn't.

Radio Technology	SRD 2.4G
Operation Frequency	2.4G 1.4 MHz Bandwidth (2403.5 MHz ~ 2471.12 MHz) 2.4G 3 MHz Bandwidth (2405.5 MHz ~ 2471.2 MHz) 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)
Modulation	OFDM (QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)
Battery	DC 15.4V
Power Supply	DC 5V

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

5.2. CHANNEL LIST

Channel List For Bandwidth 1.4 MHz							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2403.5	18	2421.12	35	2437.5	52	2455.12
2	2405.12	19	2421.5	36	2439.12	53	2455.5
3	2405.5	20	2423.12	37	2439.5	54	2457.12
4	2407.12	21	2423.5	38	2441.12	55	2457.5
5	2407.5	22	2425.12	39	2441.5	56	2459.12
6	2409.12	23	2425.5	40	2443.12	57	2459.5
7	2409.5	24	2427.12	41	2443.5	58	2461.12
8	2411.12	25	2427.5	42	2445.12	59	2461.5
9	2411.5	26	2429.12	43	2445.5	60	2463.12
10	2413.12	27	2429.5	44	2447.12	61	2463.5
11	2413.5	28	2431.12	45	2447.5	62	2465.12
12	2415.12	29	2431.5	46	2449.12	63	2465.5
13	2415.5	30	2433.12	47	2449.5	64	2467.12
14	2417.12	31	2433.5	48	2451.12	65	2467.5
15	2417.5	32	2435.12	49	2451.5	66	2469.12
16	2419.12	33	2435.5	50	2453.12	67	2469.5
17	2419.5	34	2437.12	51	2453.5	68	2471.12

Channel List For Bandwidth 3 MHz							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2405.5	12	2423.2	23	2438.5	34	2456.2
2	2408.2	13	2423.5	24	2441.2	35	2456.5
3	2408.5	14	2426.2	25	2441.5	36	2459.2
4	2411.2	15	2426.5	26	2444.2	37	2459.5
5	2411.5	16	2429.2	27	2444.5	38	2462.2
6	2414.2	17	2429.5	28	2447.2	39	2462.5
7	2414.5	18	2432.2	29	2447.5	40	2465.2
8	2417.2	19	2432.5	30	2450.2	41	2465.5
9	2417.5	20	2435.2	31	2450.5	42	2468.2
10	2420.2	21	2435.5	32	2453.2	43	2468.5
11	2420.5	22	2438.2	33	2453.5	44	2471.2

Channel List For Bandwidth 10 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	/	/

Channel List For Bandwidth 20 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	/	/

Channel List For Bandwidth 40 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	/	/

5.3. MAXIMUM POWER

SRD 2.4G	Frequency (MHz)	Channel Number	Maximum Conducted Average Output Power (dBm)
1.4 MHz Mode	2403.5 MHz ~ 2471.12 MHz	1-68[68]	20.61
3 MHz Mode	2405.5 MHz ~ 2471.2 MHz	1-44[44]	20.63
10 MHz Mode	2407.5 MHz ~ 2467.5 MHz	1-61[61]	26.44
20 MHz Mode	2412.5 MHz ~ 2462.5 MHz	1-51[51]	25.88
40 MHz Mode	2422.5 MHz ~ 2452.5 MHz	1-31[31]	23.89

5.4. TEST CHANNEL CONFIGURATION

SRD 2.4G	Test Channel Number	Frequency
1.4 MHz Mode	CH 1(Low Channel), CH 35(MID Channel), CH 68(High Channel)	2403.5 MHz, 2437.5 MHz, 2471.12 MHz
3 MHz Mode	CH 1(Low Channel), CH 23(MID Channel), CH 44(High Channel)	2405.5 MHz, 2438.5 MHz, 2471.2 MHz
10 MHz Mode	CH 1(Low Channel), CH 31(MID Channel), CH 61(High Channel)	2407.5 MHz, 2437.5 MHz, 2467.5 MHz
20 MHz Mode	CH 1(Low Channel), CH 26(MID Channel), CH 51(High Channel)	2412.5 MHz, 2437.5 MHz, 2462.5 MHz
40 MHz Mode	CH 1(Low Channel), CH 16(MID Channel), CH 31(High Channel)	2422.5 MHz, 2437.5 MHz, 2452.5 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5 MHz Band		
Test Software		Set up
Modulation Mode	Transmit Antenna Number	Test Software setting value
		NCB: 1.4 MHz/3 MHz/10 MHz/20 MHz/40 MHz
		All Channels
All	All	Default

5.6. WORST-CASE CONFIGURATIONS

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

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

Test channels referring to section 5.4.

Maximum power setting referring to section 5.5.

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

- SRD 2.4G-1.4 MHz Mode/QPSK
- SRD 2.4G-3 MHz Mode/QPSK
- SRD 2.4G-10 MHz Mode/QPSK
- SRD 2.4G-20 MHz Mode/QPSK
- SRD 2.4G-40 MHz Mode/QPSK

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

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

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

5.7. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	Maximum Antenna Gain (dBi)
0	2400 ~ 2483.5	Dipole Antenna	1.5
1	2400 ~ 2483.5	Dipole Antenna	2
2	2400 ~ 2483.5	Dipole Antenna	2
3	2400 ~ 2483.5	Dipole Antenna	1.5

The EUT support Space Time Coding(STBC) mode.

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/NANT] \text{ dBi}$$

Directional gain(ANT0 & ANT1) = 1.76 dBi

Directional gain(ANT0 & ANT3) = 1.5 dBi

Directional gain(ANT1 & ANT2) = 2 dBi

Directional gain(ANT2 & ANT3) = 1.76 dBi

Test Mode	Transmit and Receive Mode	Description
1.4 MHz Mode	☒ 2TX, 4RX	ANT 0,1 / 0,3 / 1,2 / 2,3 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.
3 MHz Mode	☒ 2TX, 4RX	ANT 0,1 / 0,3 / 1,2 / 2,3 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.
10 MHz Mode	☒ 2TX, 4RX	ANT 0,1 / 0,3 / 1,2 / 2,3 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.
20 MHz Mode	☒ 2TX, 4RX	ANT 0,1 / 0,3 / 1,2 / 2,3 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.
40 MHz Mode	☒ 2TX, 4RX	ANT 0,1 / 0,3 / 1,2 / 2,3 can be used as transmitting antenna. ANT 0,1, 2, 3 can be used as receiving antenna.

Note: The EUT can't transmit simultaneously. (declare by manufacturer)

5.8. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remark
1	PC	Lenovo	E42-80	/
2	AC Adaptor	Lenovo	ADLX65YCC3D	Input: AC 100-240V, 1.8A, 50-60Hz Output: DC 20V, 3.25A, 65.0W Max

I/O CABLES

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

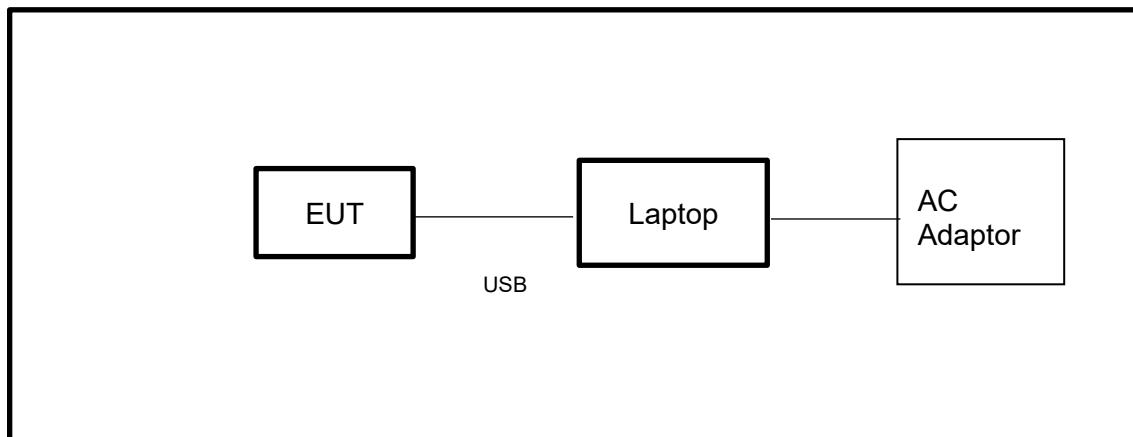
ACCESSORIES

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

TEST SETUP

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

SETUP DIAGRAM FOR TESTS



Note: AC Adaptor only use for AC POWER LINE CONDUCTED EMISSION 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

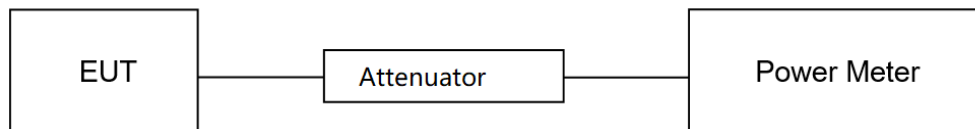
Refer to ANSI C63.10-2020 clause 11.9.2.3.1.

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	24.3°C	Relative Humidity	62.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 15.4V

TEST DATE / ENGINEER

Test Date	August 7, 2025	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix C

7.2. 6DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

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

TEST PROCEDURE

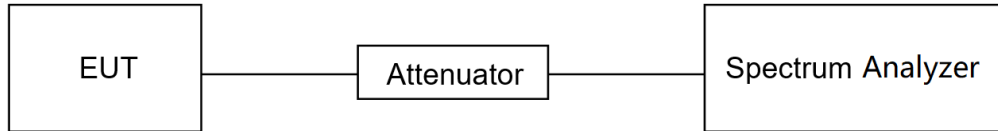
Refer to ANSI C63.10-2020 clause 11.8 for DTS bandwidth and clause 6.9 for Occupied Bandwidth.

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: 1 % to 5 % of the OBW but not less than 100 kHz For 99 % Occupied Bandwidth: 1 % to 5 % of the occupied bandwidth
VBW	For 6 dB Bandwidth: $\geq 3 \times$ RBW For 99 % Occupied Bandwidth: $\geq 3 \times$ RBW
Trace	Max hold
Sweep	Auto couple

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

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

TEST SETUP**TEST ENVIRONMENT**

Temperature	24.3℃	Relative Humidity	62.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 15.4V

TEST DATE / ENGINEER

Test Date	August 7, 2025	Test By	Bairong Liu
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TEST RESULTS

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

7.3. POWER SPECTRAL DENSITY

LIMITS

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

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.10.5.

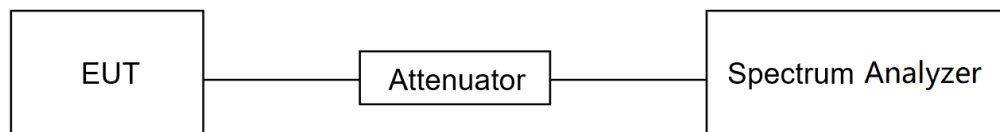
Connect the EUT to the spectrum analyzer and use the following settings:

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

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

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

TEST SETUP



TEST ENVIRONMENT

Temperature	24.3°C	Relative Humidity	62.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 15.4V

TEST DATE / ENGINEER

Test Date	August 7, 2025	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix D

7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

LIMITS

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

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.11.

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

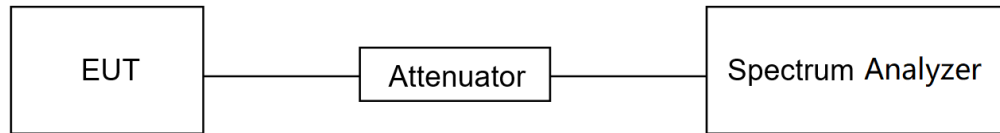
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	$\geq 1.5 \times \text{DTS bandwidth}$
Trace	Max hold
Sweep time	No faster than coupled (auto) time

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

Change the settings for emission level measurement:

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
measurement points	$\geq \text{span}/\text{RBW}$
Trace	Max hold
Sweep time	No faster than coupled (auto) time

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	24.3℃	Relative Humidity	62.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 15.4V

TEST DATE / ENGINEER

Test Date	August 7, 2025	Test By	Bairong Liu
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TEST RESULTS

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

7.5. DUTY CYCLE

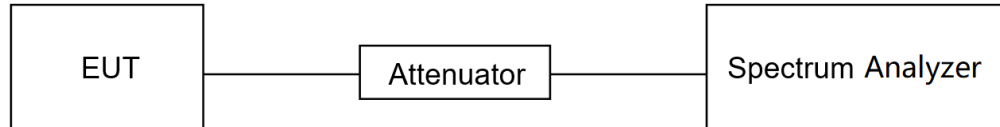
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 11.6 Zero – Span Spectrum Analyzer method.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.3°C	Relative Humidity	62.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 15.4V

TEST DATE / ENGINEER

Test Date	August 7, 2025	Test By	Bairong Liu
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TEST RESULTS

Please refer to section "Test Data" - Appendix G

8. RADIATED TEST RESULTS

LIMITS

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

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

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (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: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

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

1. The testing follows the guidelines in ANSI C63.10-2020 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 C63.10-2020 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.

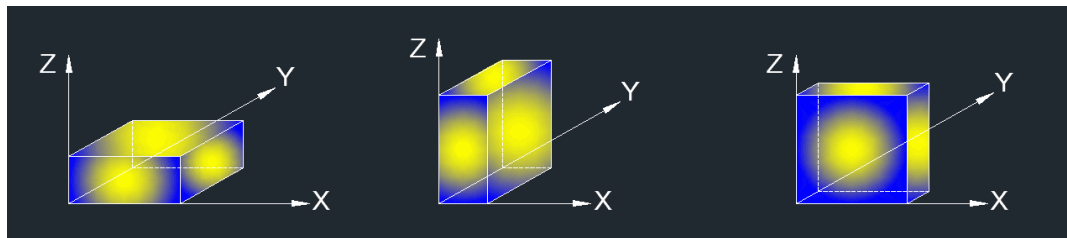
Above 1 GHz

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 C63.10-2020 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.5. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



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

For Restricted Bandedge:

Note:

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

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

Note:

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

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

Note:

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

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

Note:

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

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

Note:

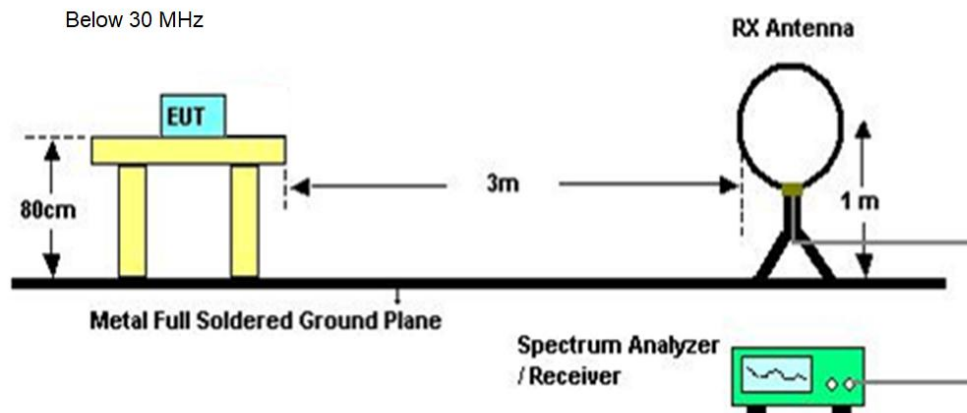
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please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

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

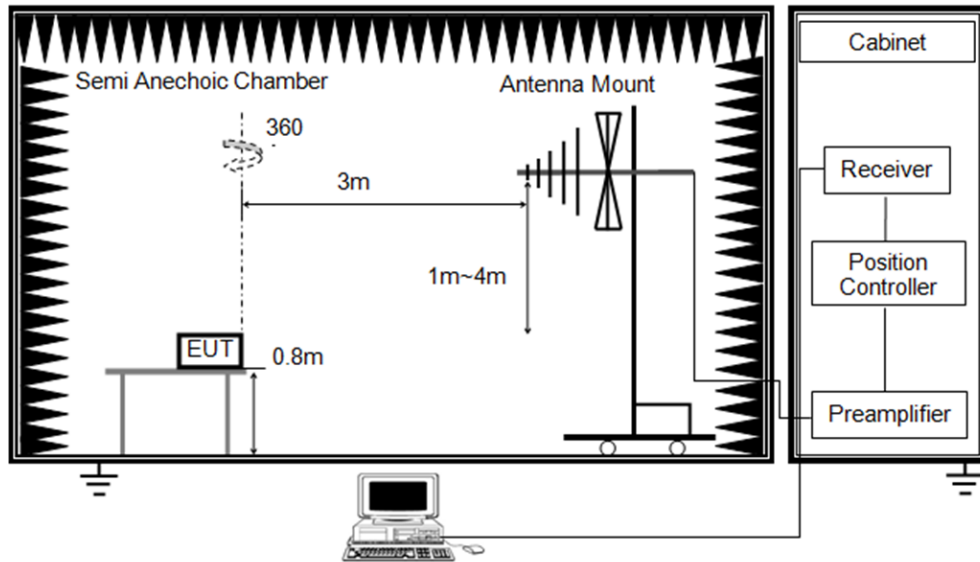
Note:

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

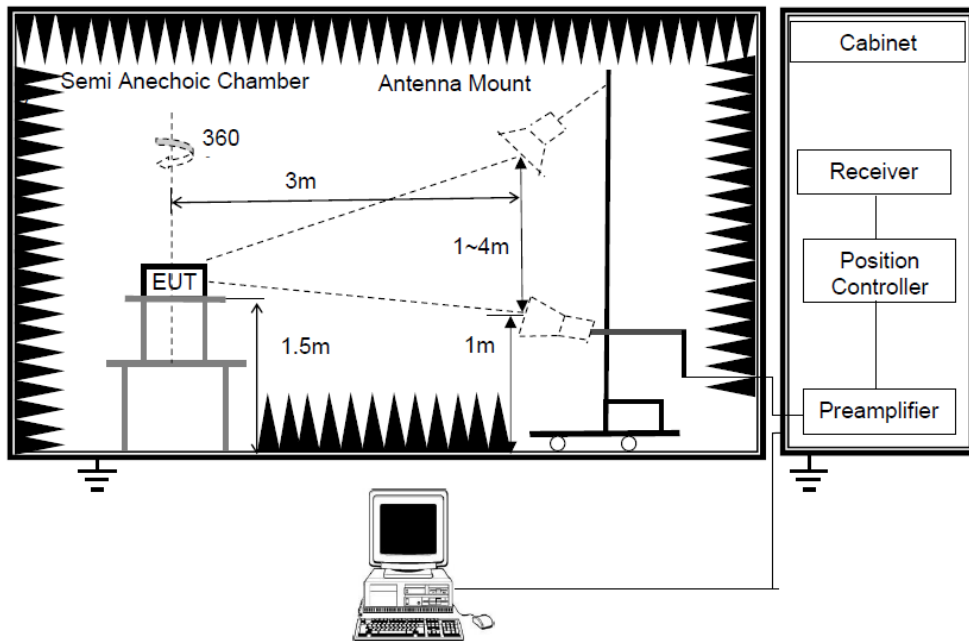
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



TEST ENVIRONMENT

Temperature	23.5°C	Relative Humidity	60.4%
Atmosphere Pressure	101kPa	Test Voltage	

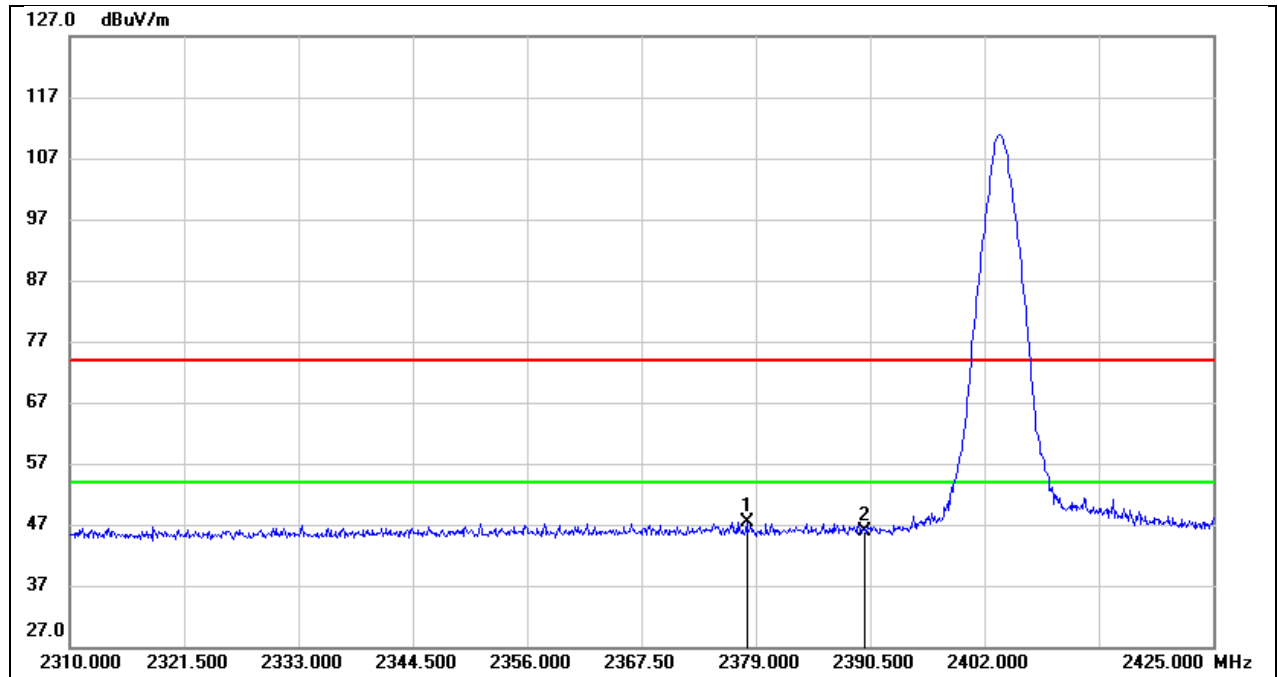
TEST DATE / ENGINEER

Test Date	September 3, 2025	Test By	Mason Wang
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TEST RESULTS

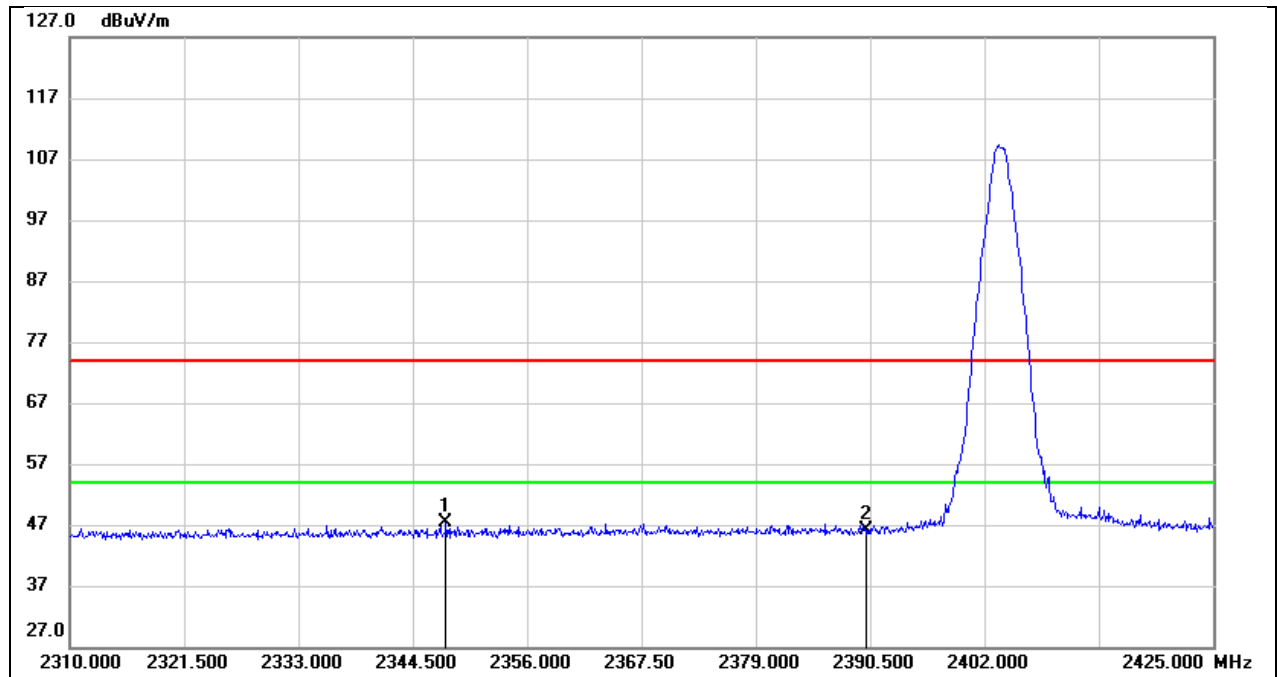
8.1. RESTRICTED BANDEDGE

Test Mode:	SRD 2.4G 1.4M PK	Frequency(MHz):	2403.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



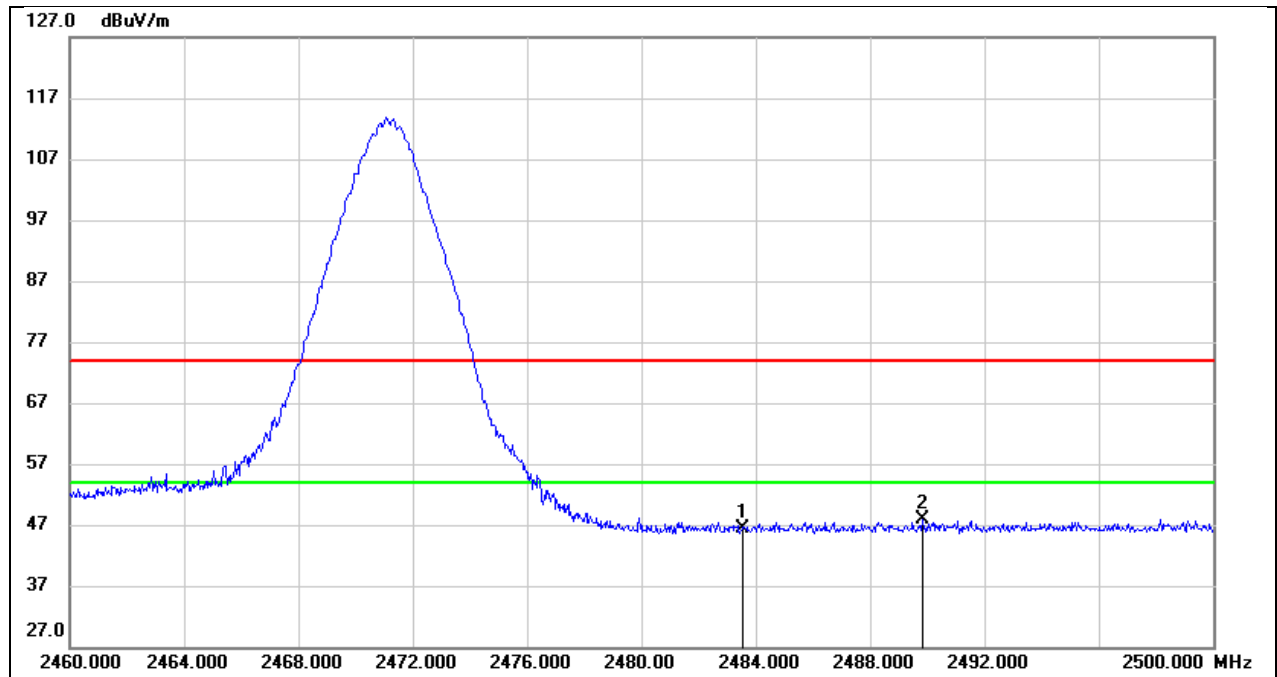
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.080	15.84	31.64	47.48	74.00	-26.52	peak
2	2390.000	14.07	31.69	45.76	74.00	-28.24	peak

Test Mode:	SRD 2.4G 1.4M PK	Frequency(MHz):	2403.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



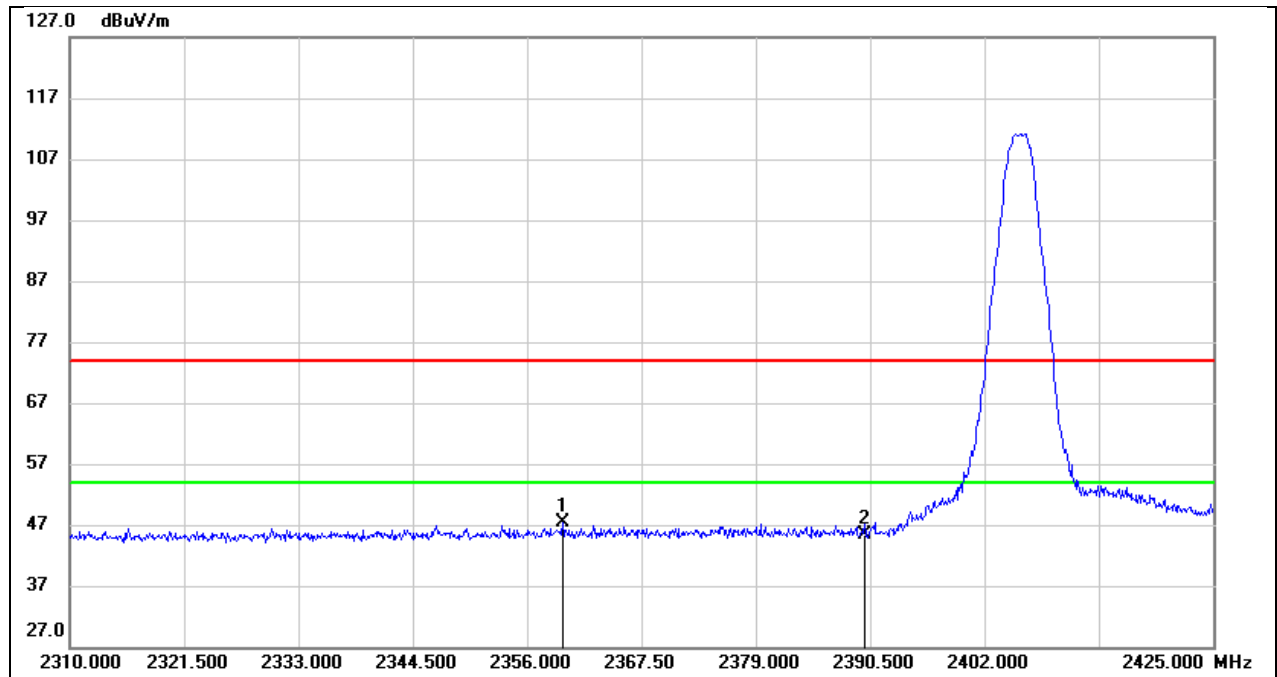
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2347.835	15.96	31.50	47.46	74.00	-26.54	peak
2	2390.000	14.51	31.69	46.20	74.00	-27.80	peak

Test Mode:	SRD 2.4G 1.4M PK	Frequency(MHz):	2471.12
Polarity:	Horizontal	Test Voltage:	DC 15.4V



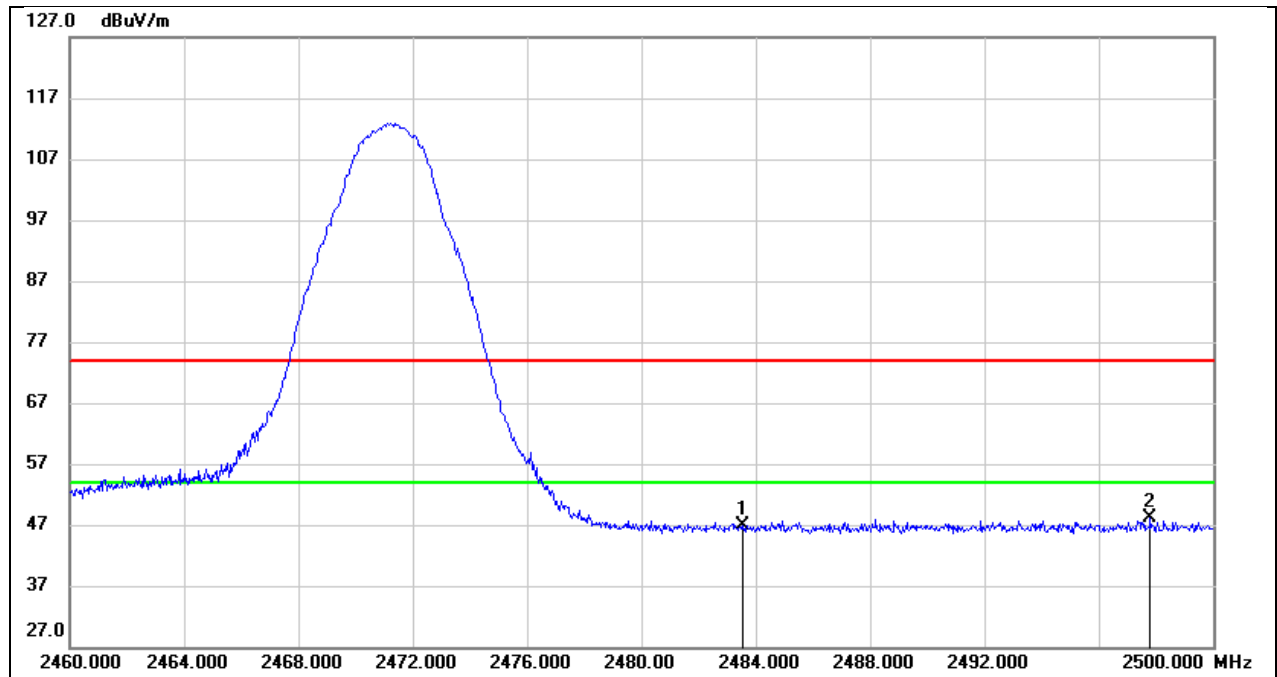
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	14.39	31.99	46.38	74.00	-27.62	peak
2	2489.840	15.79	32.01	47.80	74.00	-26.20	peak

Test Mode:	SRD 2.4G 3M PK	Frequency(MHz):	2405.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



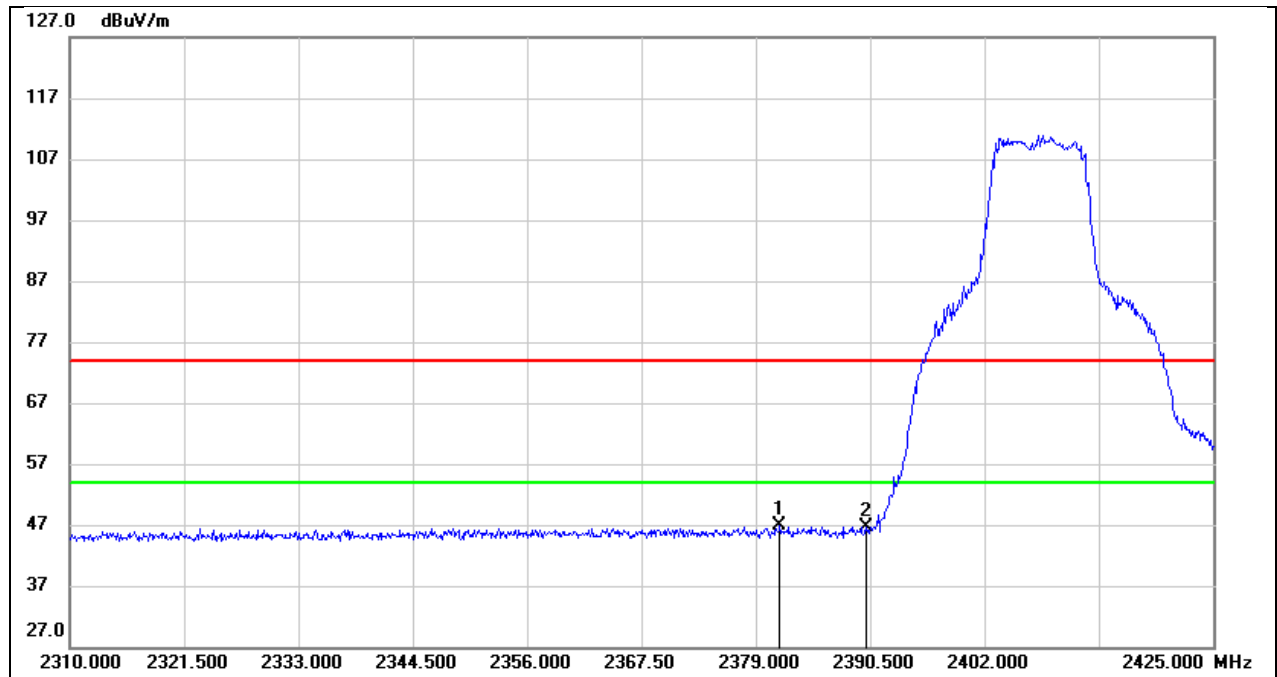
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2359.565	15.70	31.56	47.26	74.00	-26.74	peak
2	2390.000	13.76	31.69	45.45	74.00	-28.55	peak

Test Mode:	SRD 2.4G 3M PK	Frequency(MHz):	2471.2
Polarity:	Horizontal	Test Voltage:	DC 15.4V



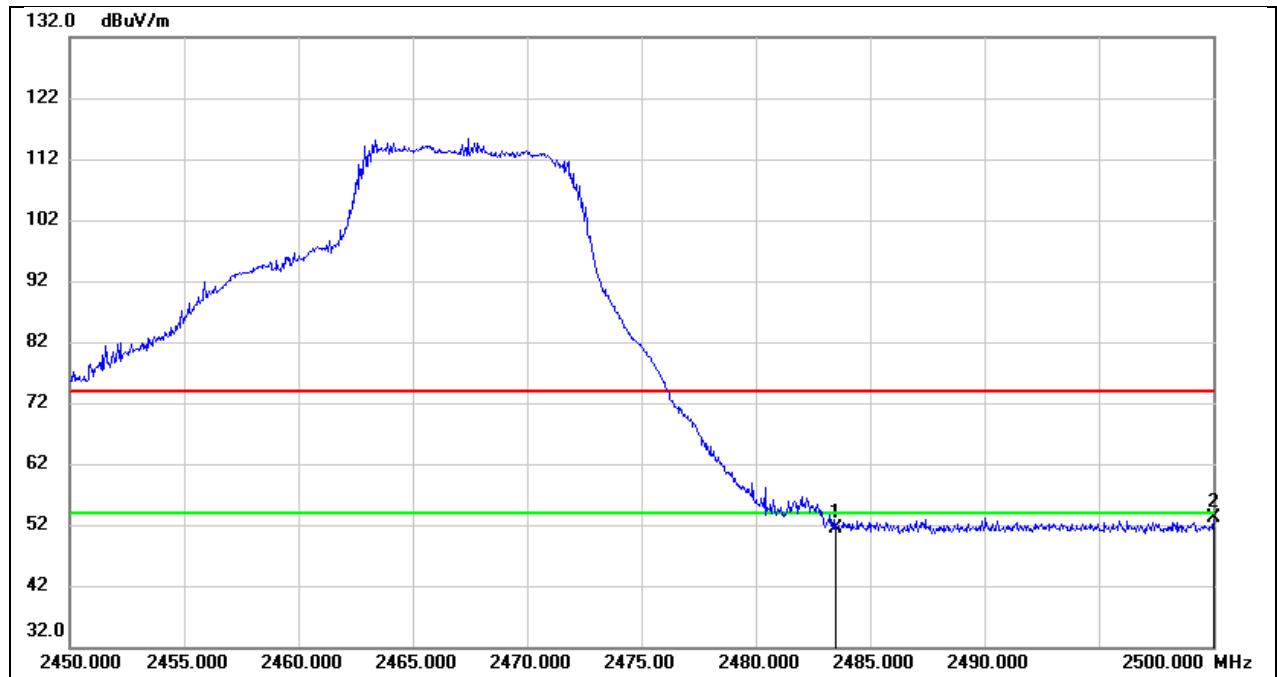
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	14.83	31.99	46.82	74.00	-27.18	peak
2	2497.800	16.01	32.03	48.04	74.00	-25.96	peak

Test Mode:	SRD 2.4G 10M PK	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



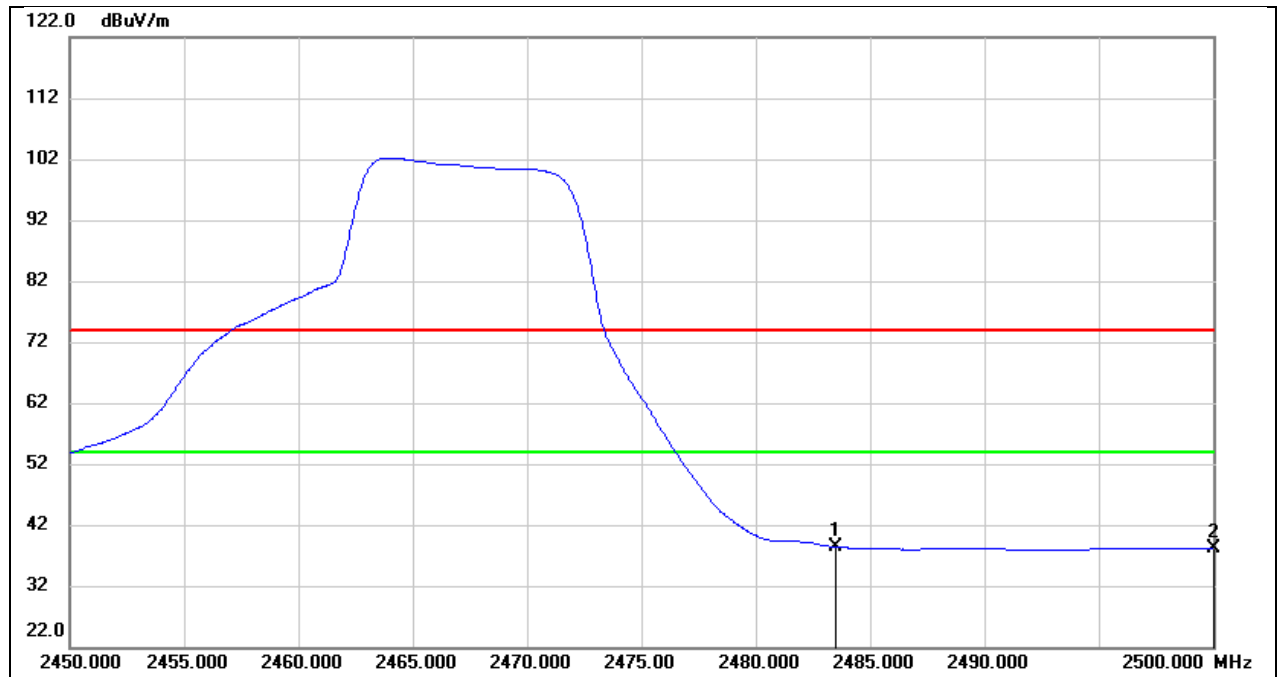
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.415	15.15	31.66	46.81	74.00	-27.19	peak
2	2390.000	14.94	31.69	46.63	74.00	-27.37	peak

Test Mode:	SRD 2.4G 10M PK	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



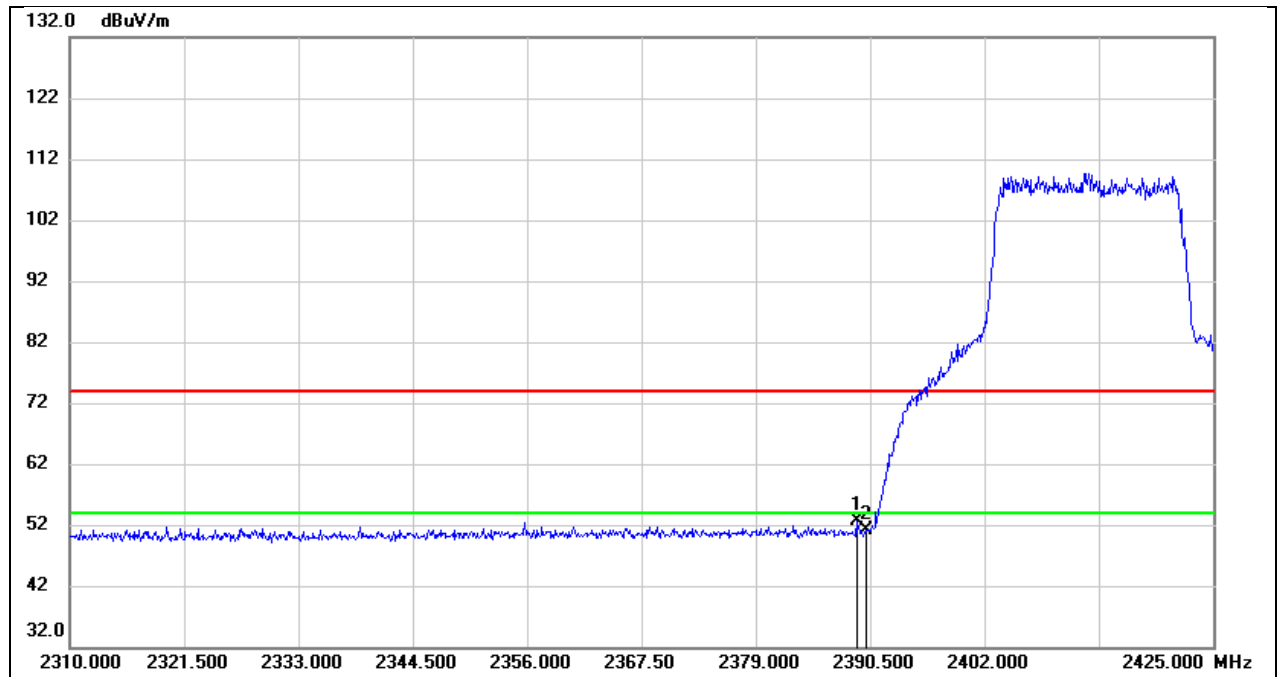
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	19.50	31.99	51.49	74.00	-22.51	peak
2	2500.000	21.03	32.04	53.07	74.00	-20.93	peak

Test Mode:	SRD 2.4G 10M AV	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



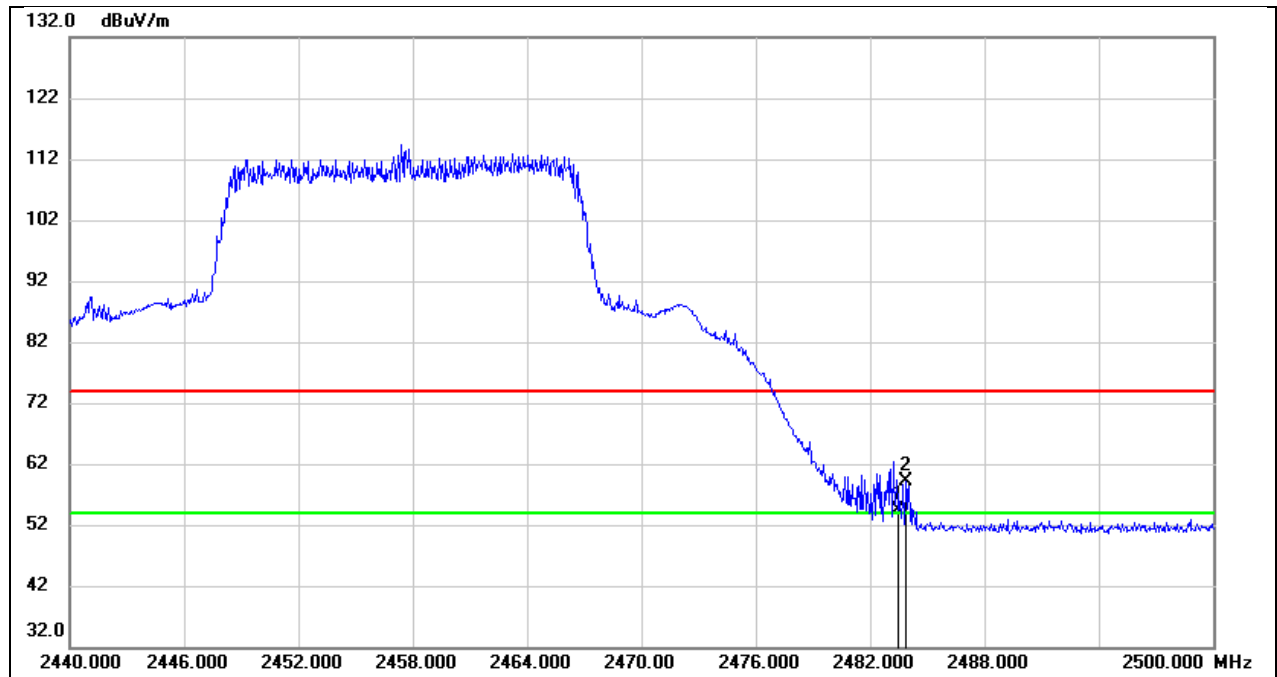
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	6.48	31.99	38.47	54.00	-15.53	AVG
2	2500.000	6.02	32.04	38.06	54.00	-15.94	AVG

Test Mode:	SRD 2.4G 20M PK	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



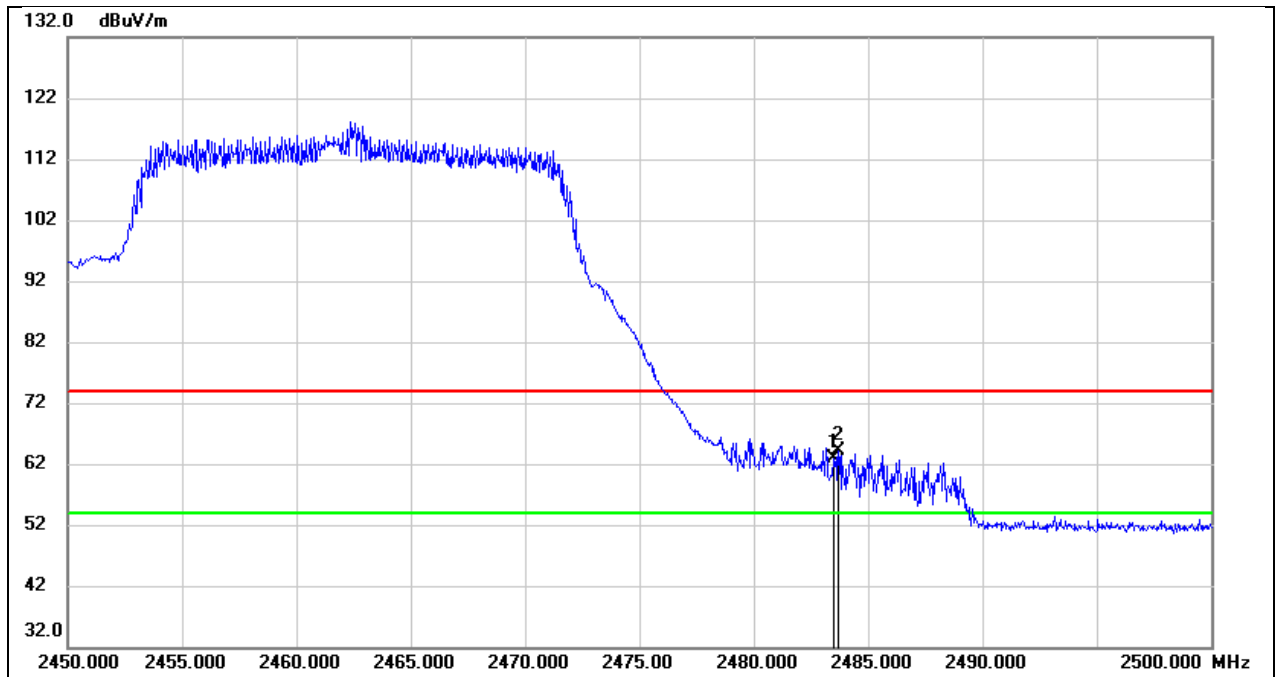
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.120	20.97	31.68	52.65	74.00	-21.35	peak
2	2390.000	19.34	31.69	51.03	74.00	-22.97	peak

Test Mode:	SRD 2.4G 20M PK	Frequency(MHz):	2457.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



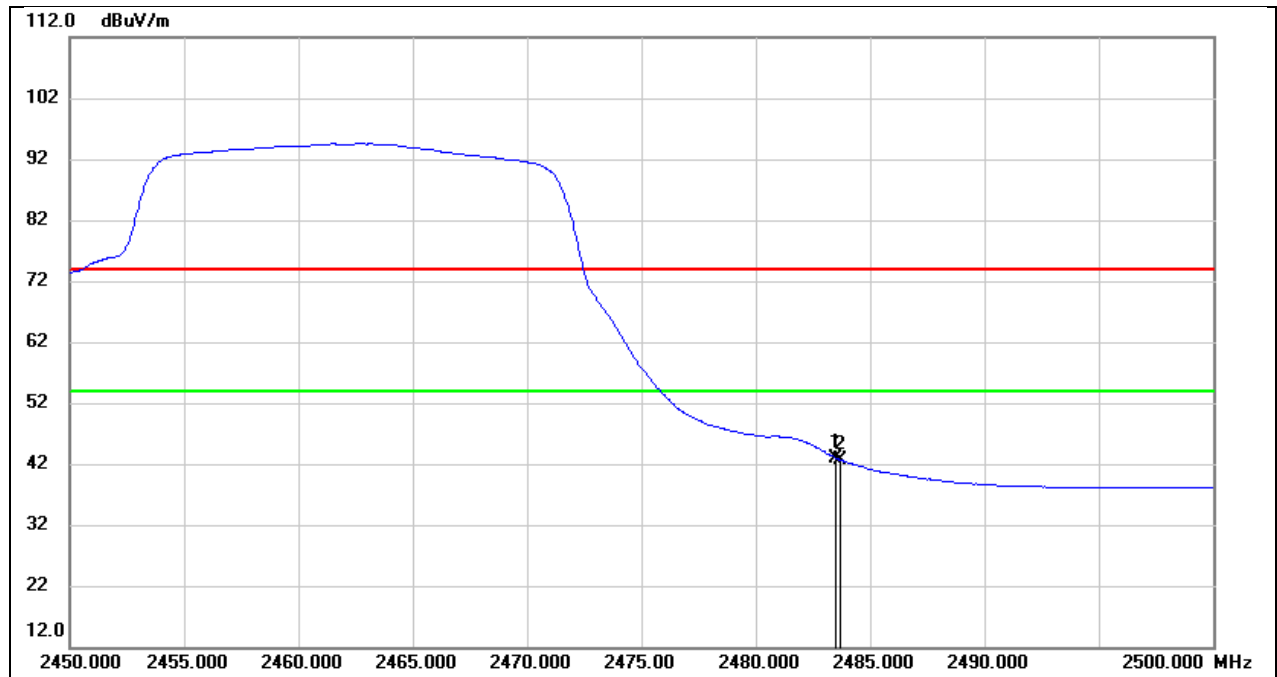
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	22.38	31.99	54.37	74.00	-19.63	peak
2	2483.860	27.07	31.99	59.06	74.00	-14.94	peak

Test Mode:	SRD 2.4G 20M PK	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



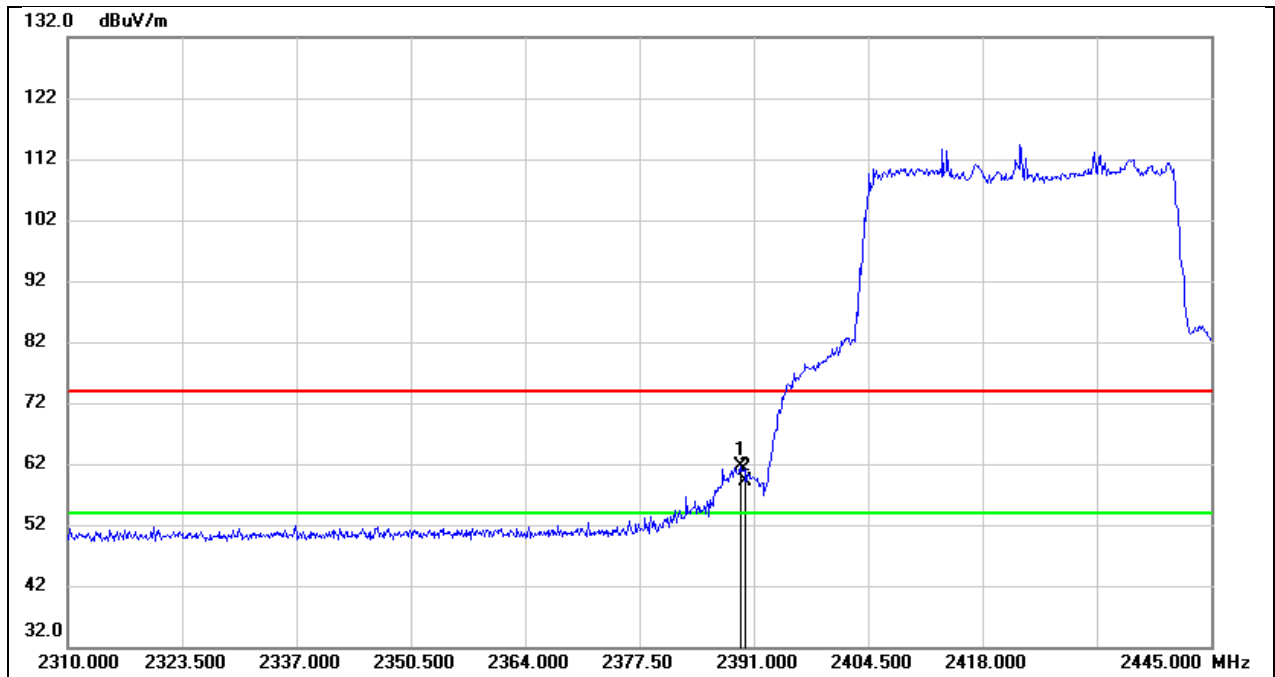
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	30.85	31.99	62.84	74.00	-11.16	peak
2	2483.700	32.06	31.99	64.05	74.00	-9.95	peak

Test Mode:	SRD 2.4G 20M AV	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



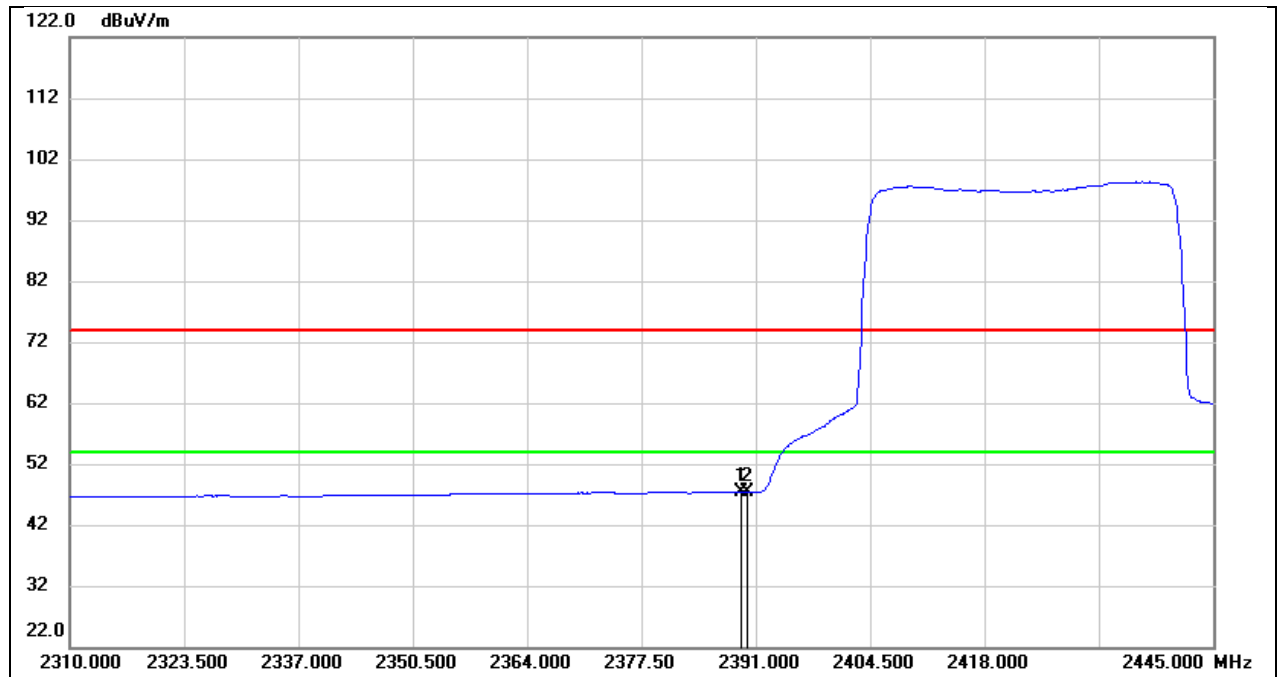
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	11.01	31.99	43.00	54.00	-11.00	AVG
2	2483.700	10.66	31.99	42.65	54.00	-11.35	AVG

Test Mode:	SRD 2.4G 40M PK	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



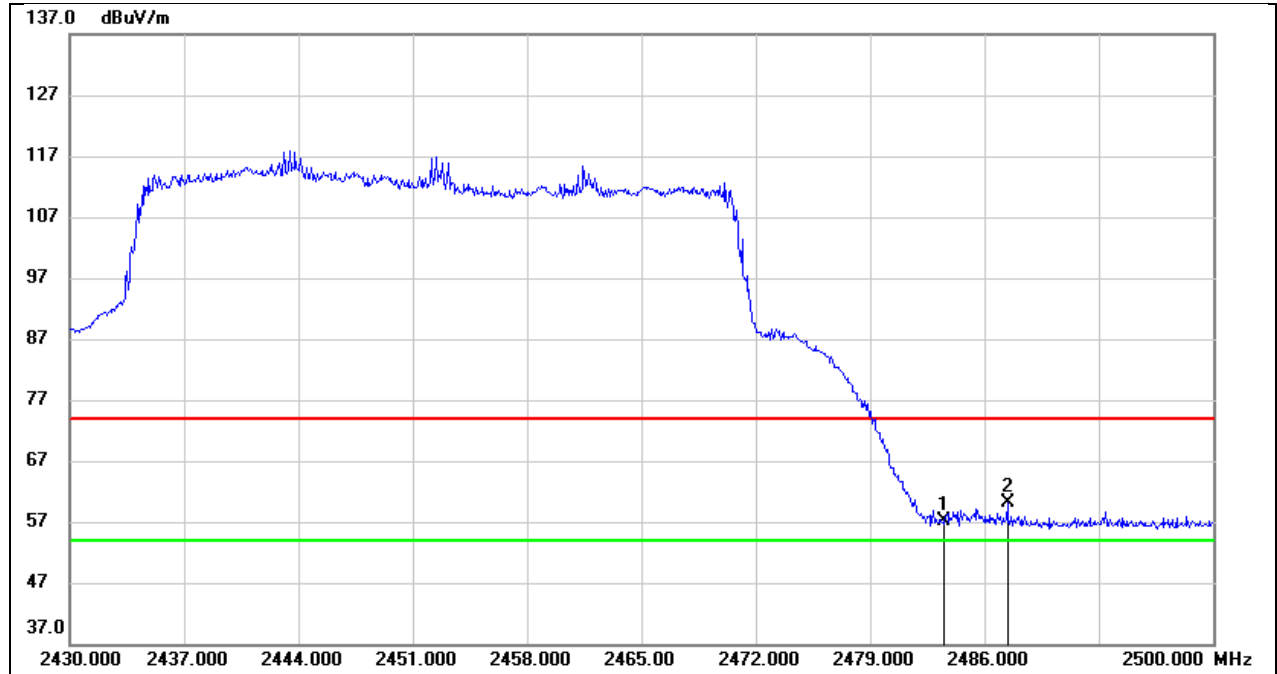
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	29.96	31.68	61.64	74.00	-12.36	peak
2	2390.000	27.51	31.69	59.20	74.00	-14.80	peak

Test Mode:	SRD 2.4G 40M AV	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



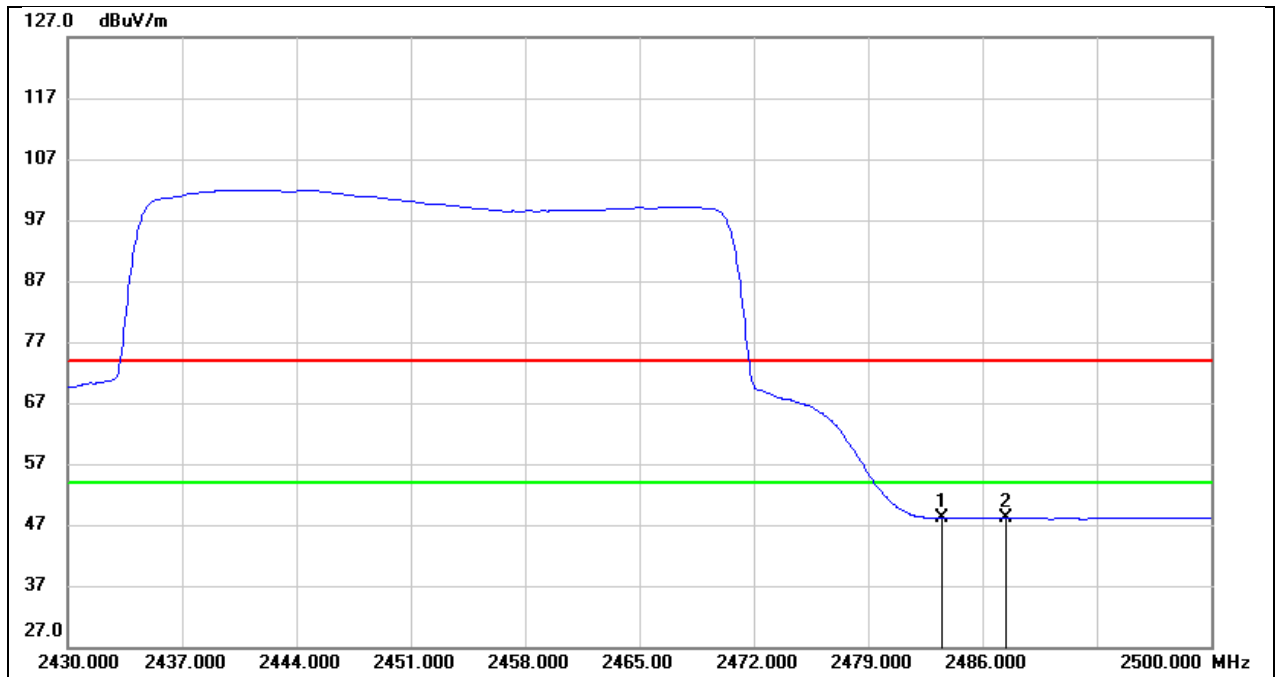
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	15.78	31.68	47.46	54.00	-6.54	AVG
2	2390.000	15.73	31.69	47.42	54.00	-6.58	AVG

Test Mode:	SRD 2.4G 40M PK	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	25.14	31.99	57.13	74.00	-16.87	peak
2	2487.400	28.05	32.00	60.05	74.00	-13.95	peak

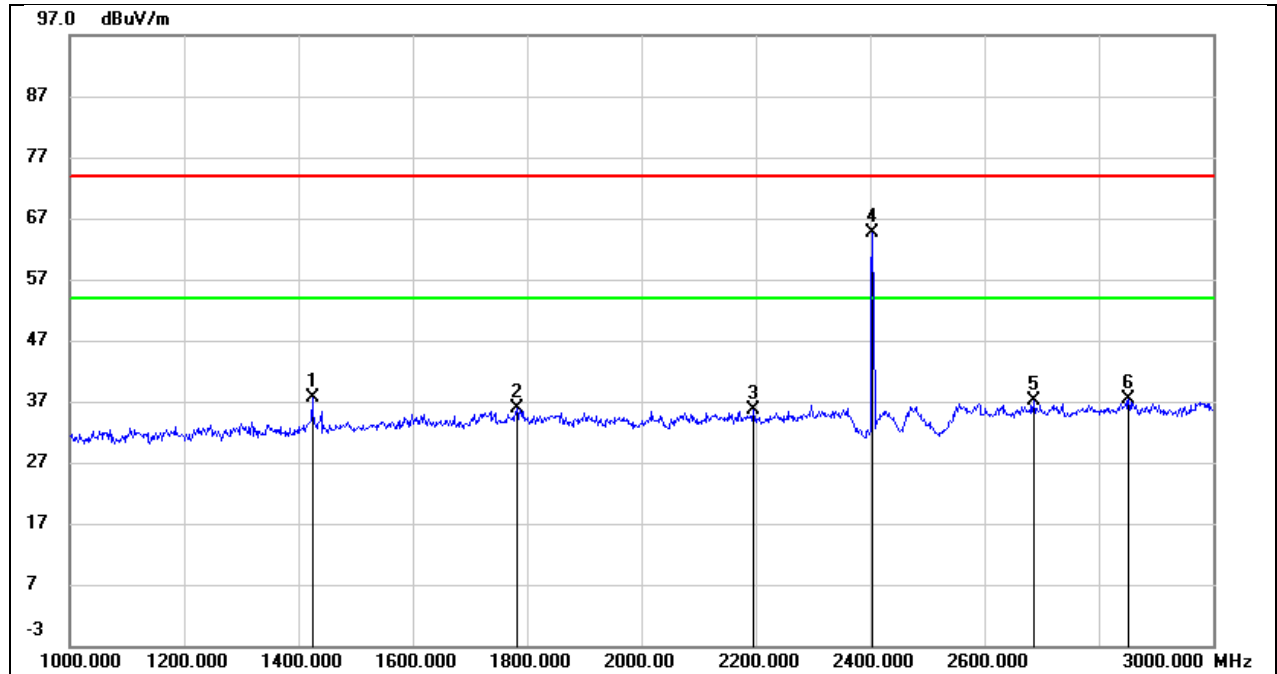
Test Mode:	SRD 2.4G 40M AV	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.05	31.99	48.04	54.00	-5.96	AVG
2	2487.400	16.20	32.00	48.20	54.00	-5.80	AVG

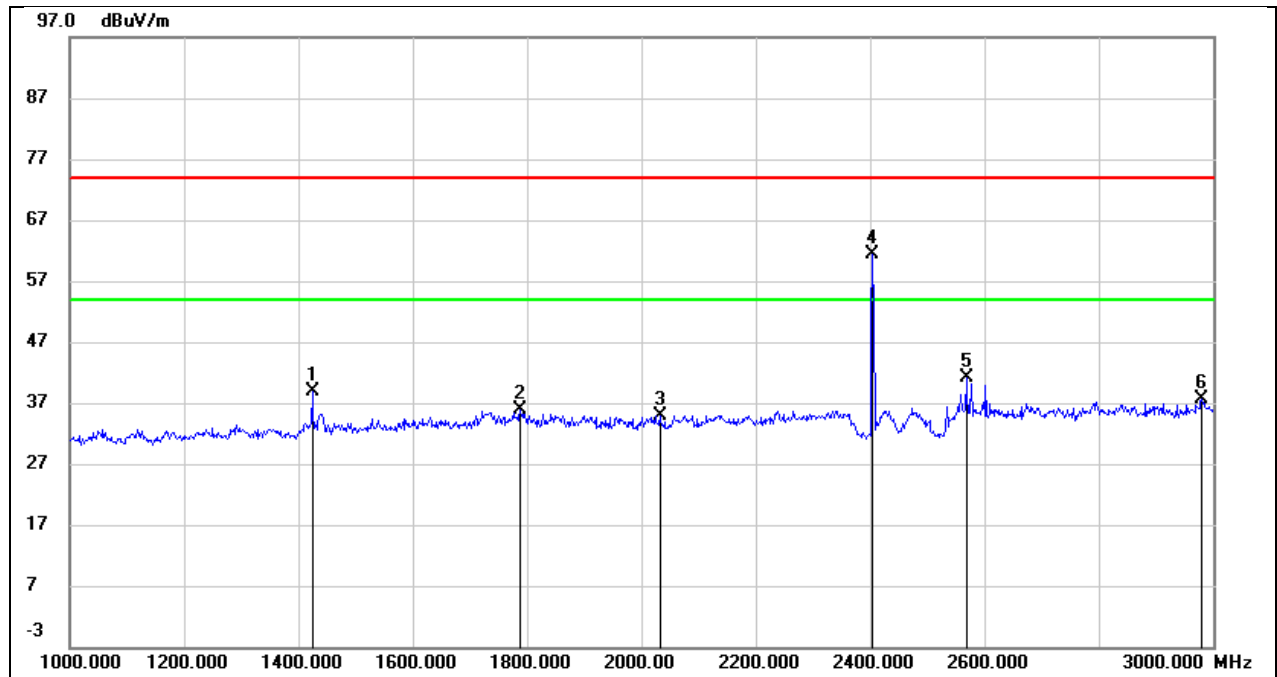
8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



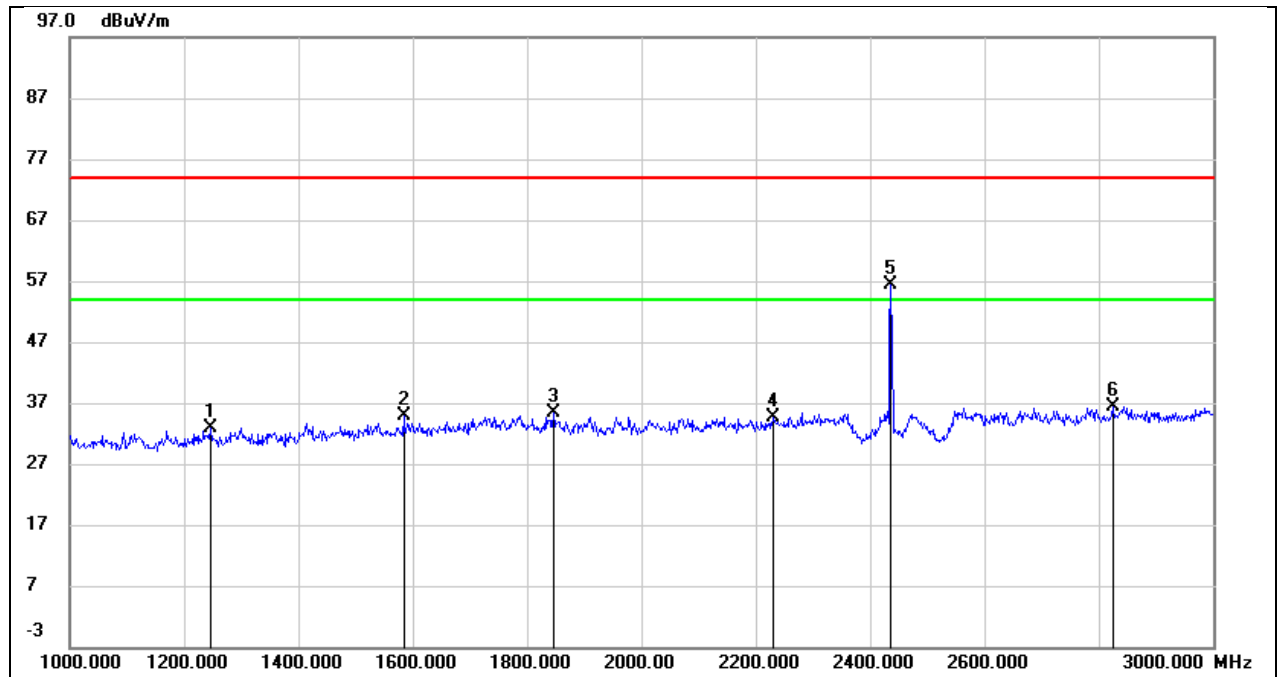
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1424.000	49.90	-12.31	37.59	74.00	-36.41	peak
2	1782.000	46.12	-10.19	35.93	74.00	-38.07	peak
3	2196.000	45.20	-9.47	35.73	74.00	-38.27	peak
4	2403.500	73.20	-8.62	64.58	/	/	fundamental
5	2686.000	44.66	-7.47	37.19	74.00	-36.81	peak
6	2852.000	44.25	-6.83	37.42	74.00	-36.58	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



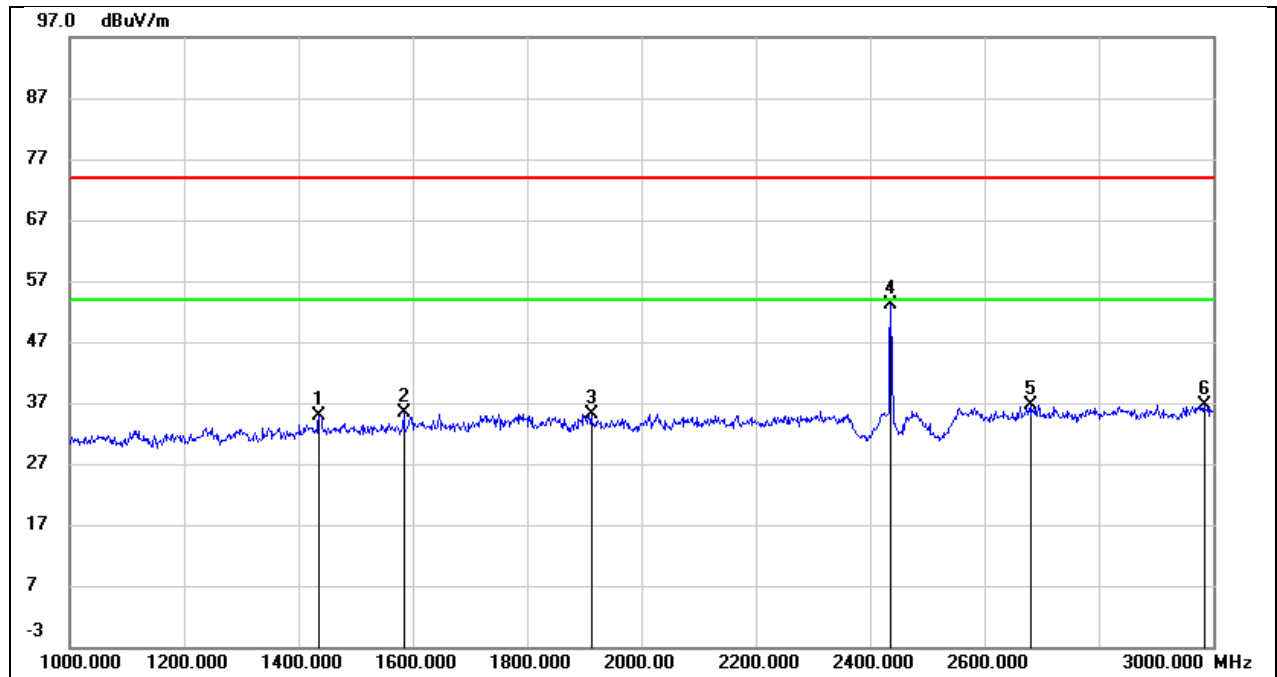
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1424.000	51.23	-12.31	38.92	74.00	-35.08	peak
2	1788.000	46.11	-10.16	35.95	74.00	-38.05	peak
3	2032.000	45.14	-10.16	34.98	74.00	-39.02	peak
4	2403.500	69.88	-8.62	61.26	/	/	fundamental
5	2568.000	49.02	-7.93	41.09	74.00	-32.91	peak
6	2980.000	43.87	-6.29	37.58	74.00	-36.42	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



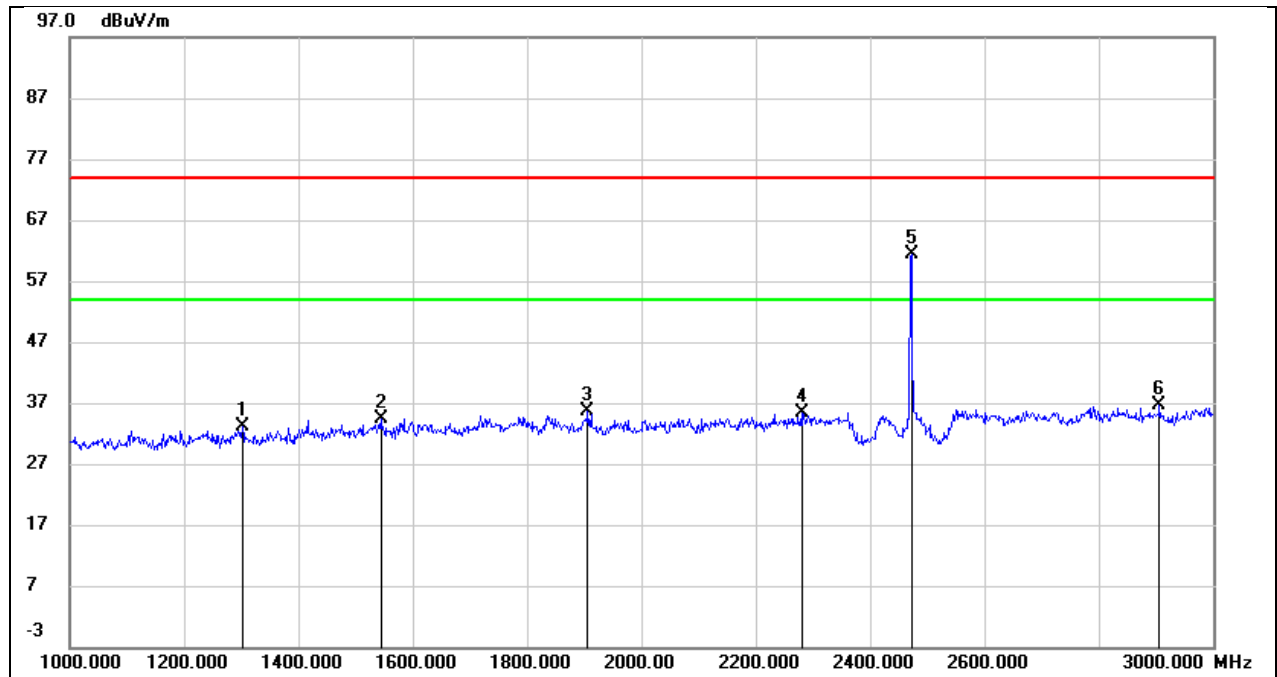
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1246.000	46.02	-13.18	32.84	74.00	-41.16	peak
2	1584.000	46.30	-11.49	34.81	74.00	-39.19	peak
3	1846.000	45.40	-10.13	35.27	74.00	-38.73	peak
4	2230.000	43.94	-9.34	34.60	74.00	-39.40	peak
5	2437.500	64.81	-8.48	56.33	/	/	fundamental
6	2824.000	43.26	-6.95	36.31	74.00	-37.69	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



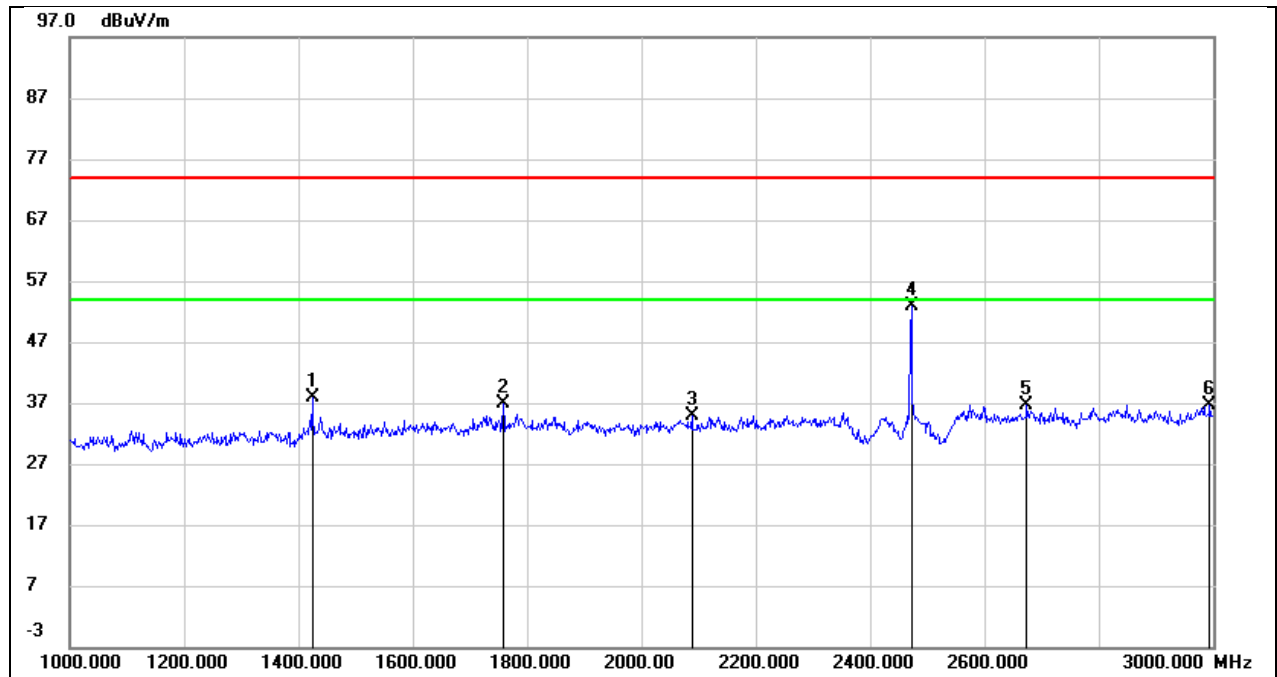
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1436.000	47.00	-12.24	34.76	74.00	-39.24	peak
2	1584.000	46.77	-11.49	35.28	74.00	-38.72	peak
3	1912.000	45.41	-10.21	35.20	74.00	-38.80	peak
4	2437.500	61.58	-8.48	53.10	/	/	fundamental
5	2682.000	44.03	-7.49	36.54	74.00	-37.46	peak
6	2984.000	43.01	-6.28	36.73	74.00	-37.27	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2471.12
Polarity:	Horizontal	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1302.000	46.04	-12.91	33.13	74.00	-40.87	peak
2	1544.000	46.10	-11.68	34.42	74.00	-39.58	peak
3	1906.000	45.74	-10.20	35.54	74.00	-38.46	peak
4	2280.000	44.63	-9.13	35.50	74.00	-38.50	peak
5	2471.120	69.79	-8.33	61.46	/	/	fundamental
6	2906.000	43.20	-6.61	36.59	74.00	-37.41	peak

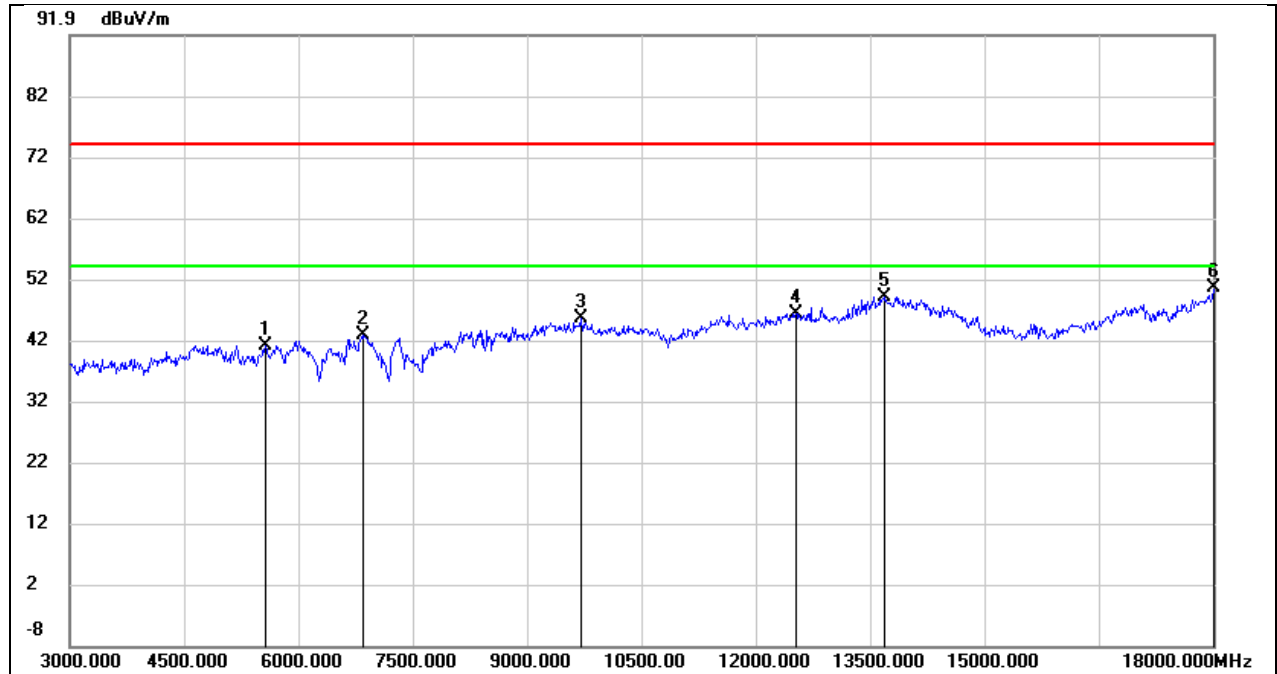
Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2471.12
Polarity:	Vertical	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1424.000	50.10	-12.31	37.79	74.00	-36.21	peak
2	1758.000	47.32	-10.37	36.95	74.00	-37.05	peak
3	2088.000	44.74	-9.93	34.81	74.00	-39.19	peak
4	2471.120	61.26	-8.33	52.93	/	/	fundamental
5	2674.000	44.18	-7.53	36.65	74.00	-37.35	peak
6	2994.000	42.89	-6.23	36.66	74.00	-37.34	peak

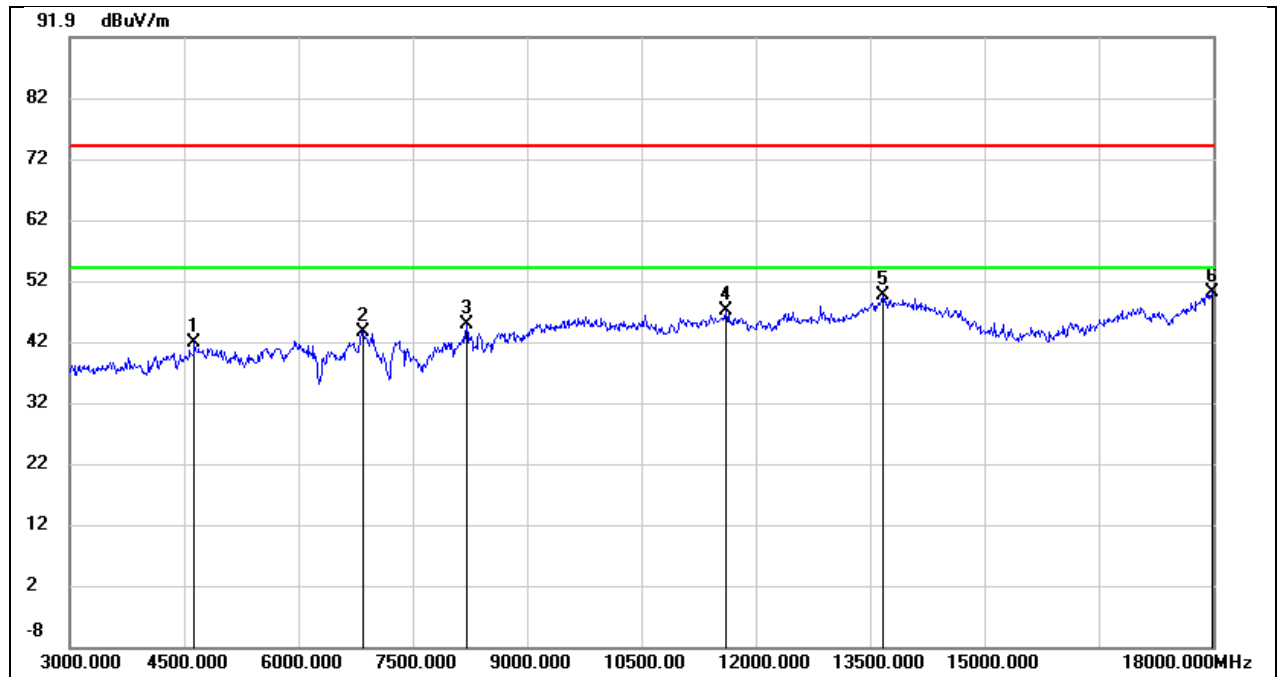
8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



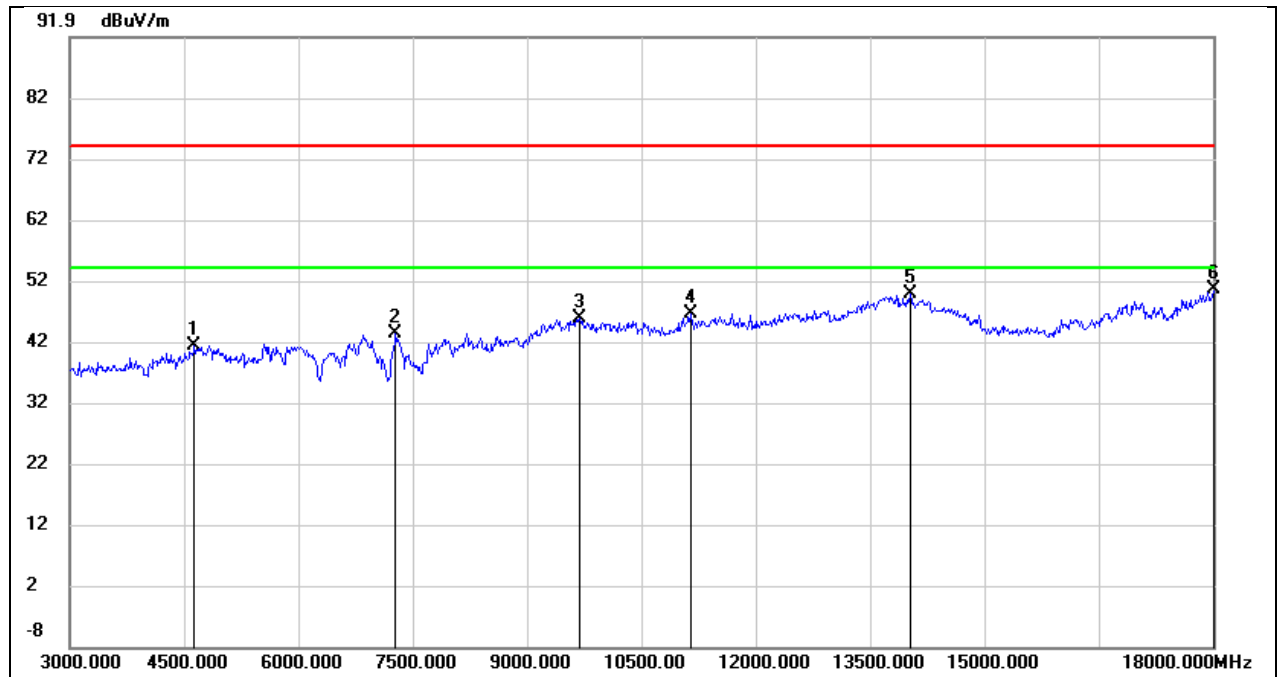
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5565.000	39.03	2.09	41.12	74.00	-32.88	peak
2	6840.000	36.71	6.04	42.75	74.00	-31.25	peak
3	9705.000	32.62	12.92	45.54	74.00	-28.46	peak
4	12525.000	26.66	19.69	46.35	74.00	-27.65	peak
5	13695.000	25.95	23.13	49.08	74.00	-24.92	peak
6	18000.000	21.97	28.54	50.51	74.00	-23.49	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



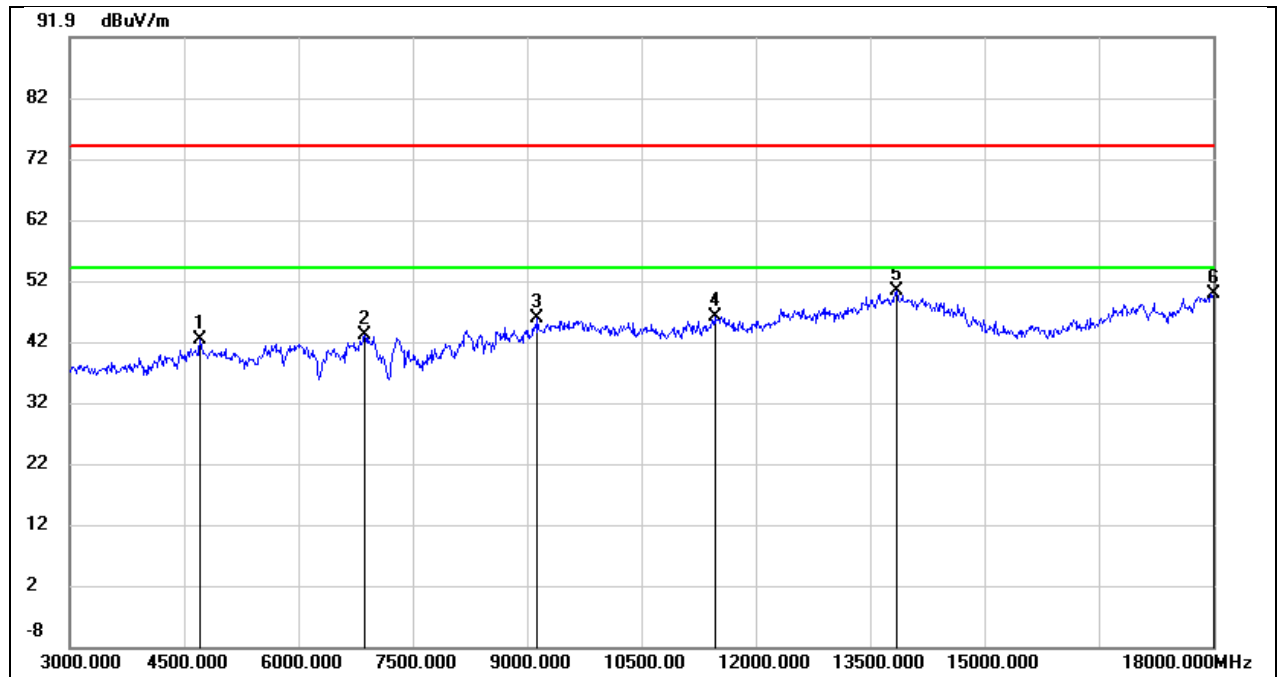
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4635.000	41.64	0.08	41.72	74.00	-32.28	peak
2	6855.000	37.43	6.08	43.51	74.00	-30.49	peak
3	8205.000	36.08	8.62	44.70	74.00	-29.30	peak
4	11610.000	29.06	17.96	47.02	74.00	-26.98	peak
5	13665.000	26.51	23.09	49.60	74.00	-24.40	peak
6	17985.000	21.51	28.41	49.92	74.00	-24.08	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



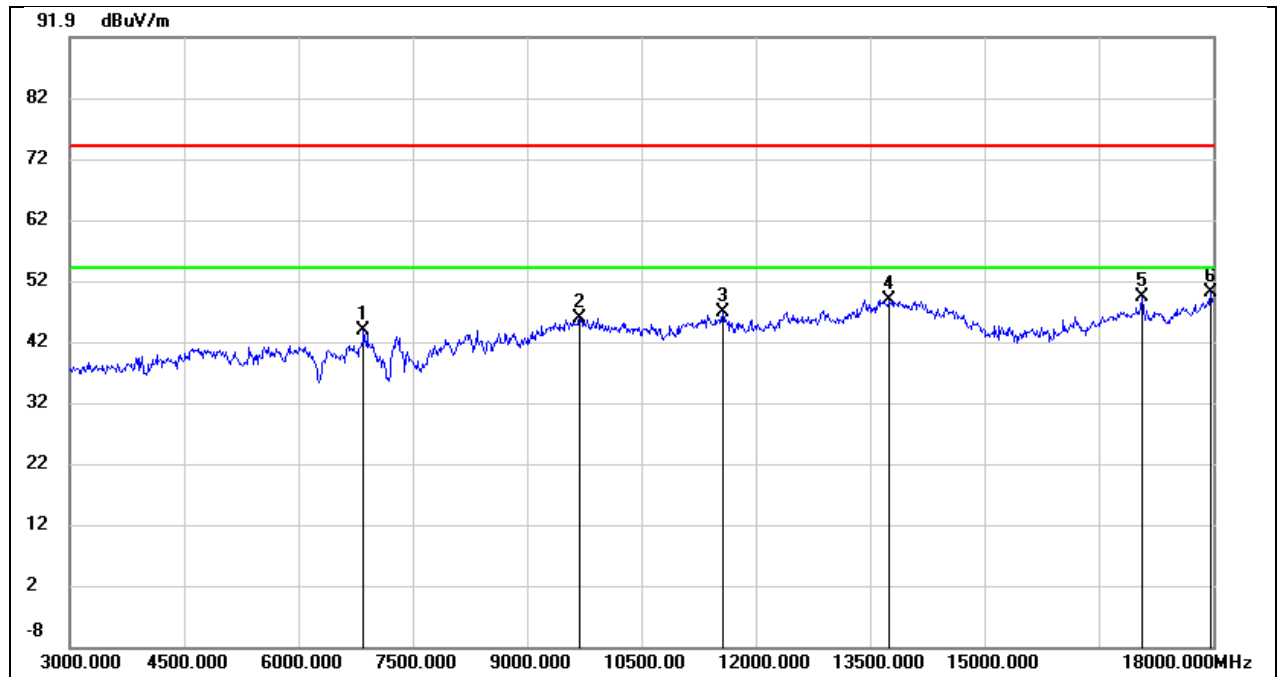
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4635.000	41.23	0.08	41.31	74.00	-32.69	peak
2	7275.000	36.44	6.88	43.32	74.00	-30.68	peak
3	9690.000	32.90	12.88	45.78	74.00	-28.22	peak
4	11145.000	29.59	17.02	46.61	74.00	-27.39	peak
5	14025.000	25.64	24.02	49.66	74.00	-24.34	peak
6	18000.000	22.11	28.54	50.65	74.00	-23.35	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



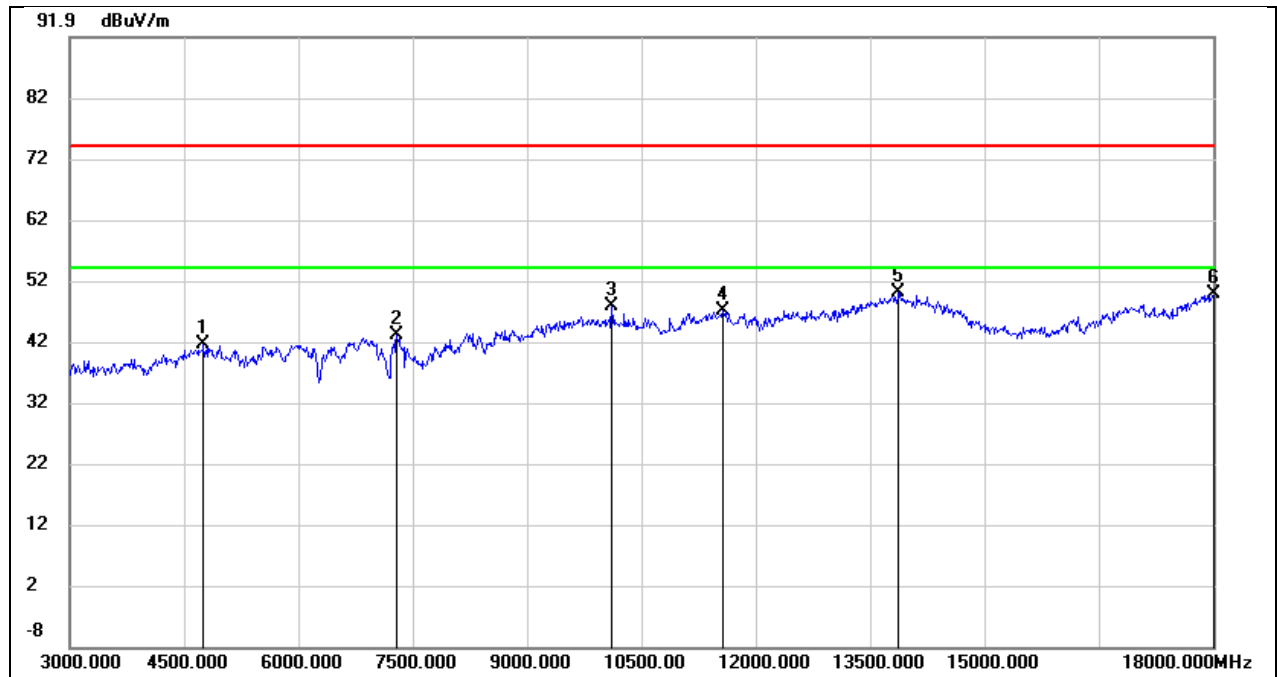
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4710.000	41.88	0.30	42.18	74.00	-31.82	peak
2	6870.000	36.81	6.12	42.93	74.00	-31.07	peak
3	9135.000	35.14	10.67	45.81	74.00	-28.19	peak
4	11460.000	28.44	17.59	46.03	74.00	-27.97	peak
5	13845.000	26.83	23.45	50.28	74.00	-23.72	peak
6	18000.000	21.30	28.54	49.84	74.00	-24.16	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2471.12
Polarity:	Horizontal	Test Voltage:	DC 15.4V



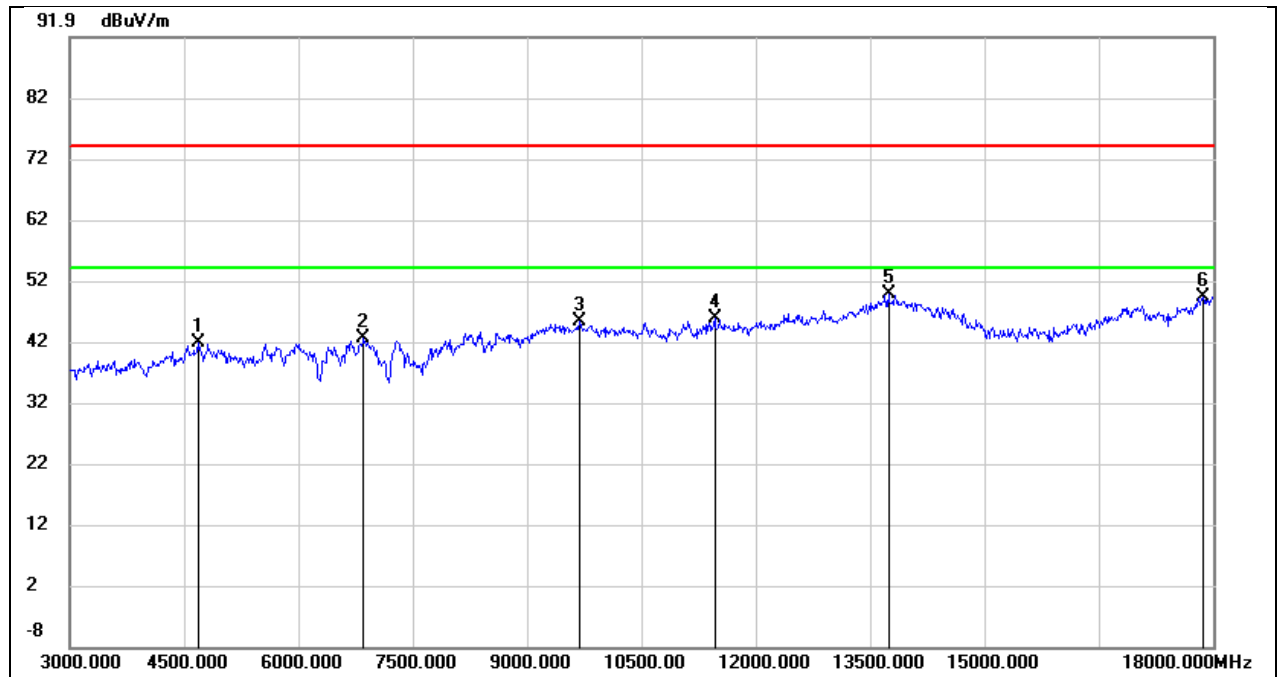
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6855.000	37.62	6.08	43.70	74.00	-30.30	peak
2	9690.000	32.84	12.88	45.72	74.00	-28.28	peak
3	11565.000	28.96	17.86	46.82	74.00	-27.18	peak
4	13755.000	25.60	23.21	48.81	74.00	-25.19	peak
5	17070.000	25.59	23.71	49.30	74.00	-24.70	peak
6	17970.000	21.79	28.27	50.06	74.00	-23.94	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2471.12
Polarity:	Vertical	Test Voltage:	DC 15.4V



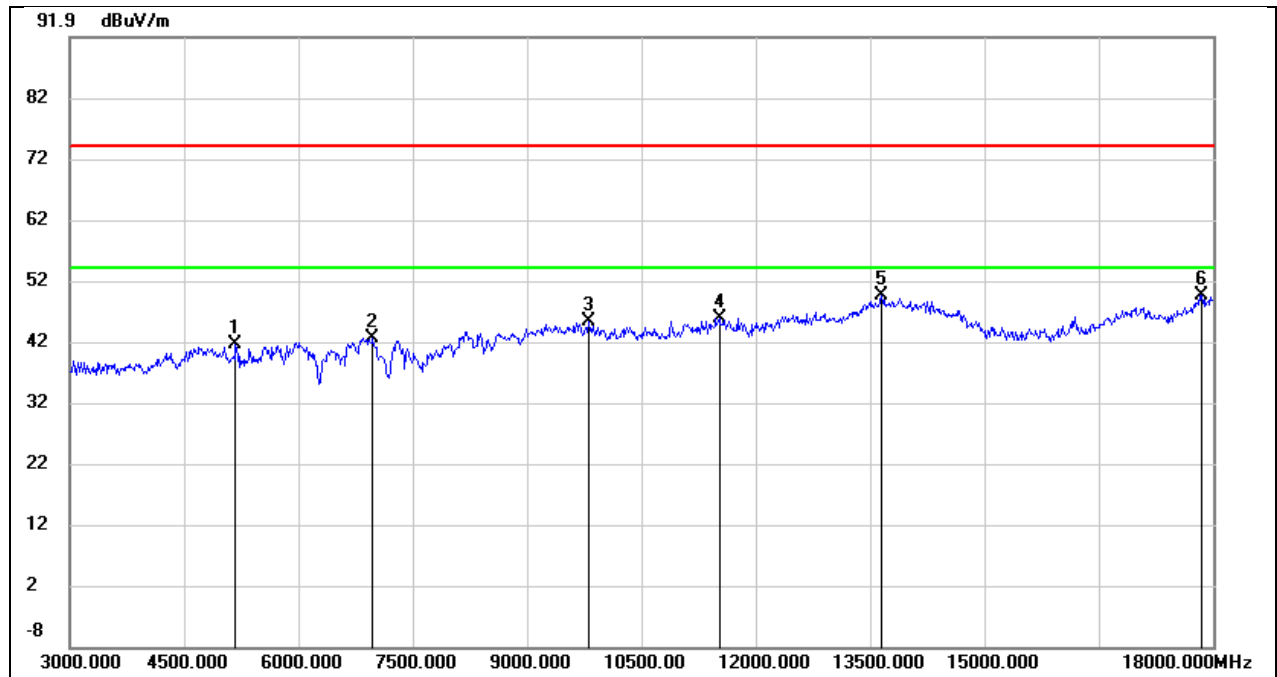
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4755.000	41.10	0.44	41.54	74.00	-32.46	peak
2	7290.000	36.08	6.88	42.96	74.00	-31.04	peak
3	10110.000	34.50	13.34	47.84	74.00	-26.16	peak
4	11565.000	29.23	17.86	47.09	74.00	-26.91	peak
5	13875.000	26.42	23.59	50.01	74.00	-23.99	peak
6	18000.000	21.26	28.54	49.80	74.00	-24.20	peak

Test Mode:	SRD 2.4G 3M	Frequency(MHz):	2405.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



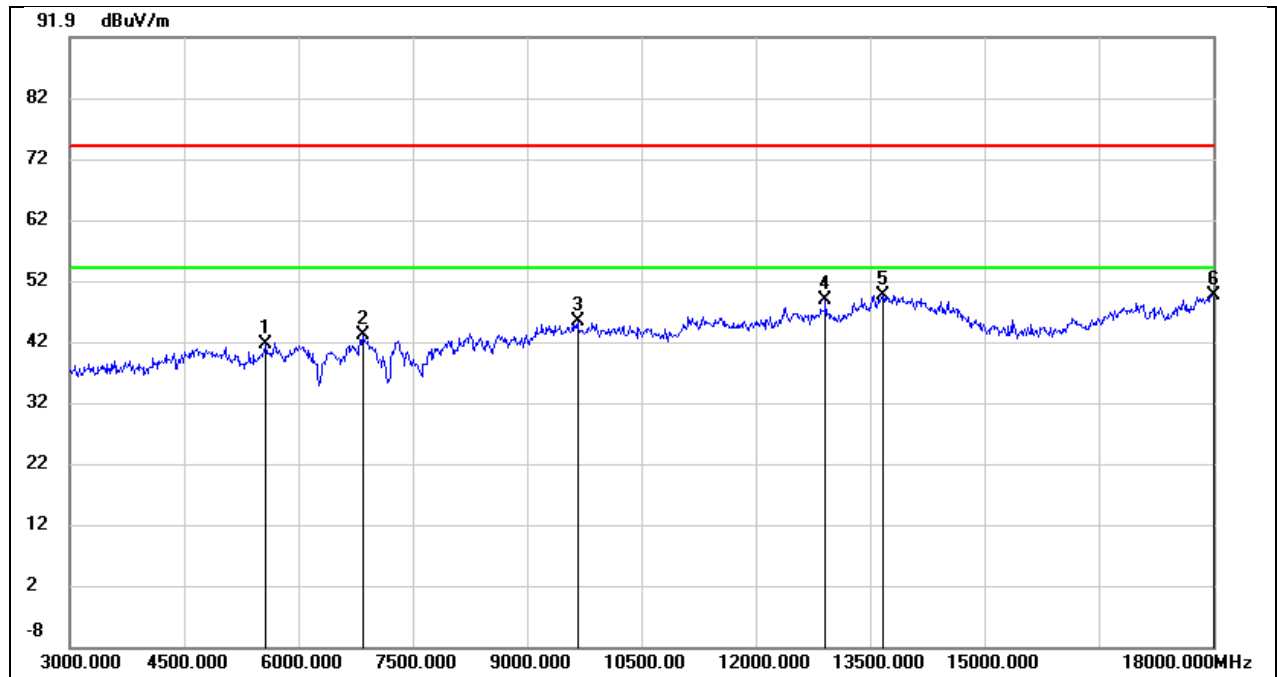
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4680.000	41.54	0.21	41.75	74.00	-32.25	peak
2	6855.000	36.34	6.08	42.42	74.00	-31.58	peak
3	9690.000	32.38	12.88	45.26	74.00	-28.74	peak
4	11460.000	28.27	17.59	45.86	74.00	-28.14	peak
5	13740.000	26.49	23.19	49.68	74.00	-24.32	peak
6	17865.000	22.01	27.35	49.36	74.00	-24.64	peak

Test Mode:	SRD 2.4G 3M	Frequency(MHz):	2405.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



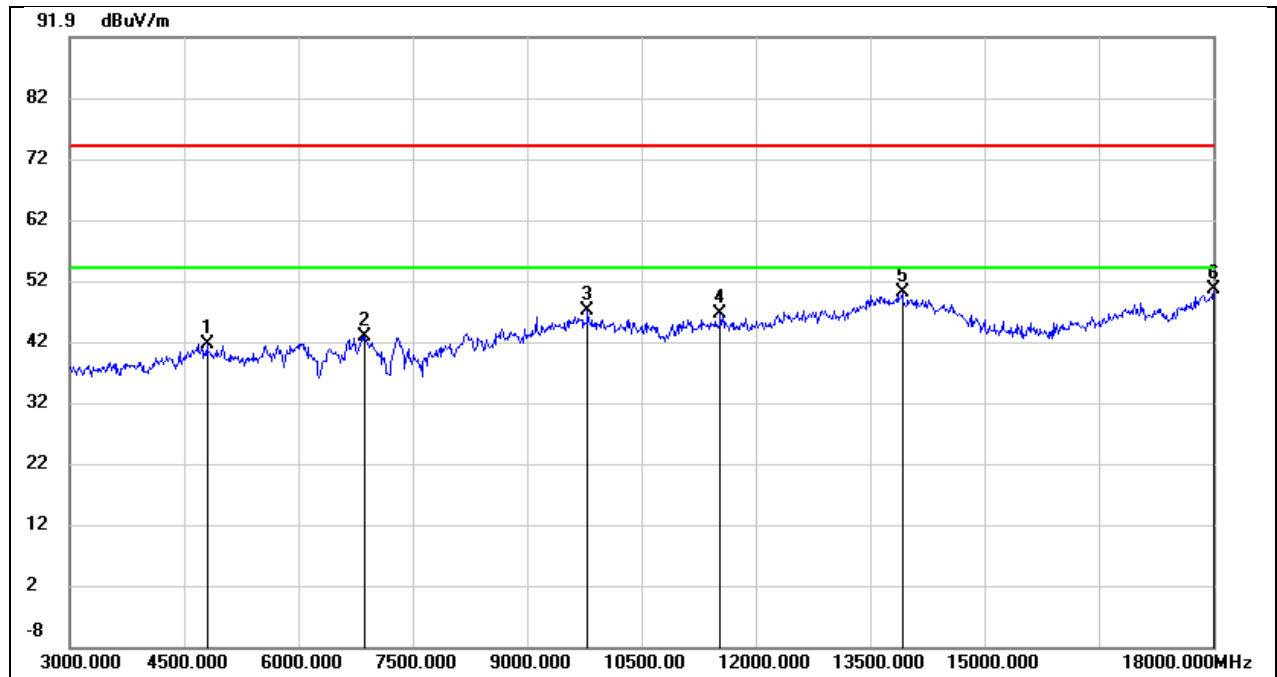
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5175.000	40.32	1.15	41.47	74.00	-32.53	peak
2	6975.000	36.12	6.39	42.51	74.00	-31.49	peak
3	9810.000	32.07	13.15	45.22	74.00	-28.78	peak
4	11520.000	28.15	17.73	45.88	74.00	-28.12	peak
5	13650.000	26.53	23.06	49.59	74.00	-24.41	peak
6	17850.000	22.31	27.22	49.53	74.00	-24.47	peak

Test Mode:	SRD 2.4G 3M	Frequency(MHz):	2438.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



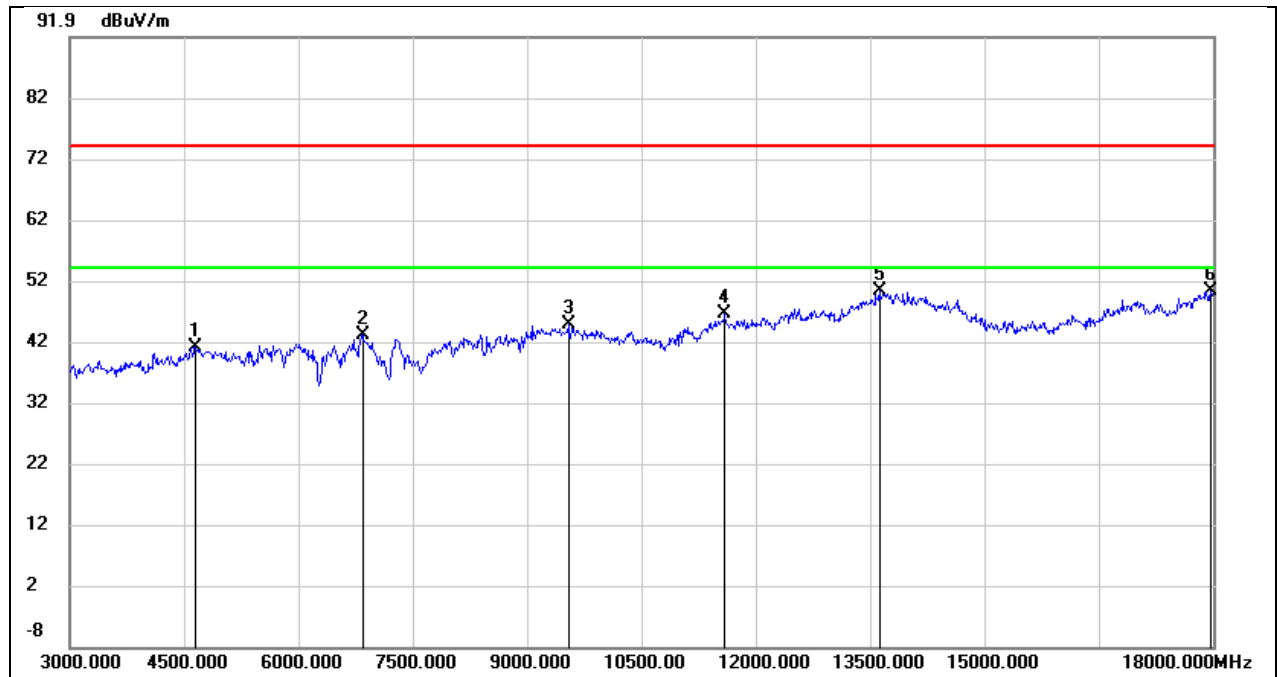
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5565.000	39.36	2.09	41.45	74.00	-32.55	peak
2	6840.000	36.98	6.04	43.02	74.00	-30.98	peak
3	9660.000	32.56	12.80	45.36	74.00	-28.64	peak
4	12915.000	28.51	20.33	48.84	74.00	-25.16	peak
5	13665.000	26.54	23.09	49.63	74.00	-24.37	peak
6	18000.000	21.06	28.54	49.60	74.00	-24.40	peak

Test Mode:	SRD 2.4G 3M	Frequency(MHz):	2438.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



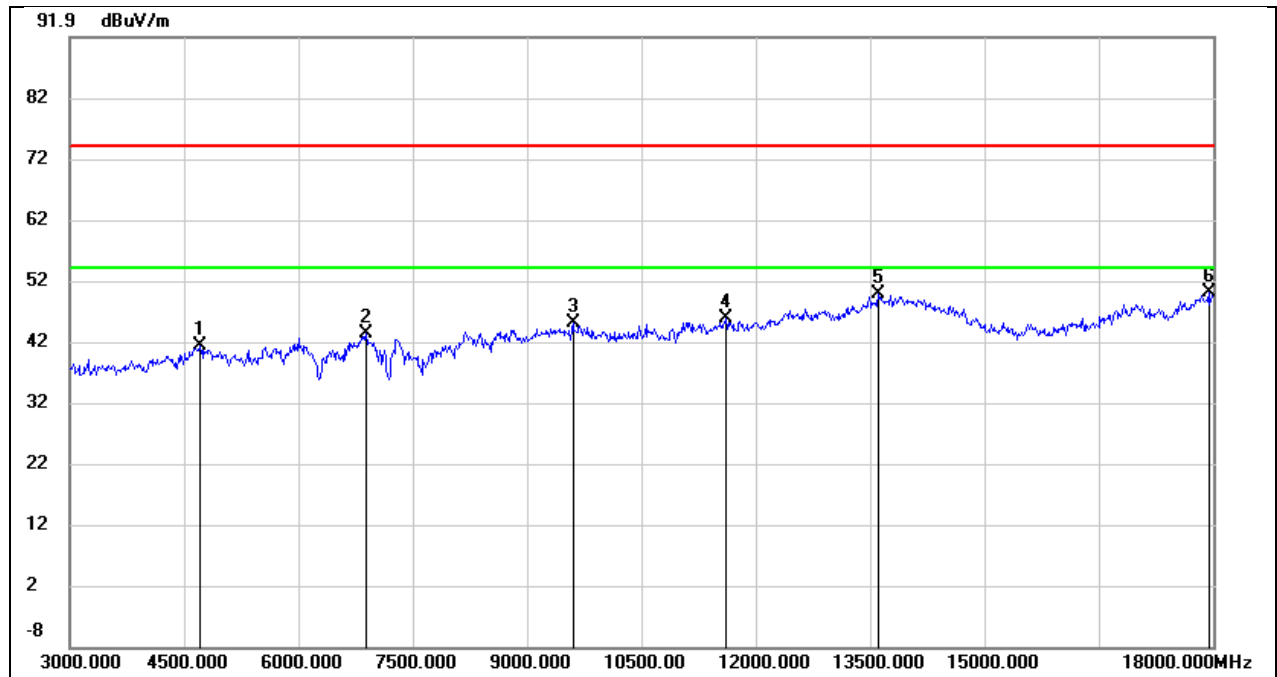
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4800.000	40.98	0.57	41.55	74.00	-32.45	peak
2	6870.000	36.68	6.12	42.80	74.00	-31.20	peak
3	9795.000	33.91	13.13	47.04	74.00	-26.96	peak
4	11535.000	28.76	17.77	46.53	74.00	-27.47	peak
5	13920.000	26.17	23.77	49.94	74.00	-24.06	peak
6	18000.000	21.98	28.54	50.52	74.00	-23.48	peak

Test Mode:	SRD 2.4G 3M	Frequency(MHz):	2471.2
Polarity:	Horizontal	Test Voltage:	DC 15.4V



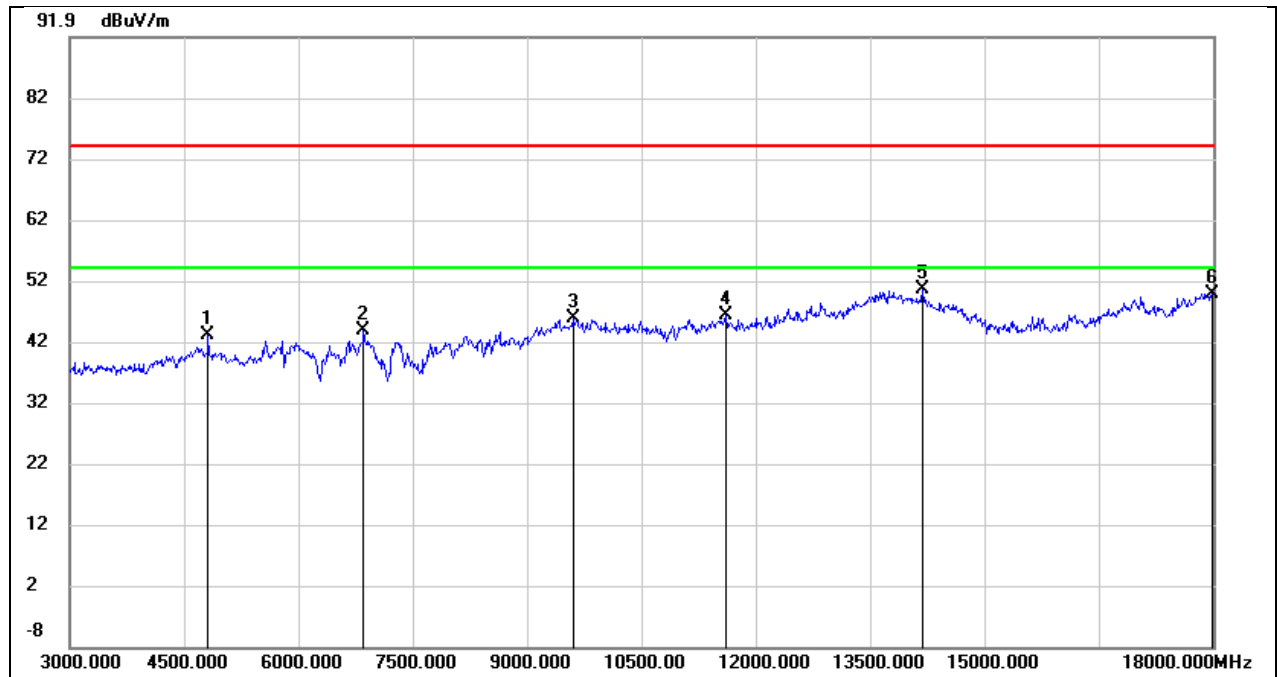
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4650.000	41.02	0.12	41.14	74.00	-32.86	peak
2	6840.000	37.10	6.04	43.14	74.00	-30.86	peak
3	9540.000	32.37	12.39	44.76	74.00	-29.24	peak
4	11595.000	28.52	17.94	46.46	74.00	-27.54	peak
5	13620.000	27.19	23.03	50.22	74.00	-23.78	peak
6	17970.000	21.90	28.27	50.17	74.00	-23.83	peak

Test Mode:	SRD 2.4G 3M	Frequency(MHz):	2471.2
Polarity:	Vertical	Test Voltage:	DC 15.4V



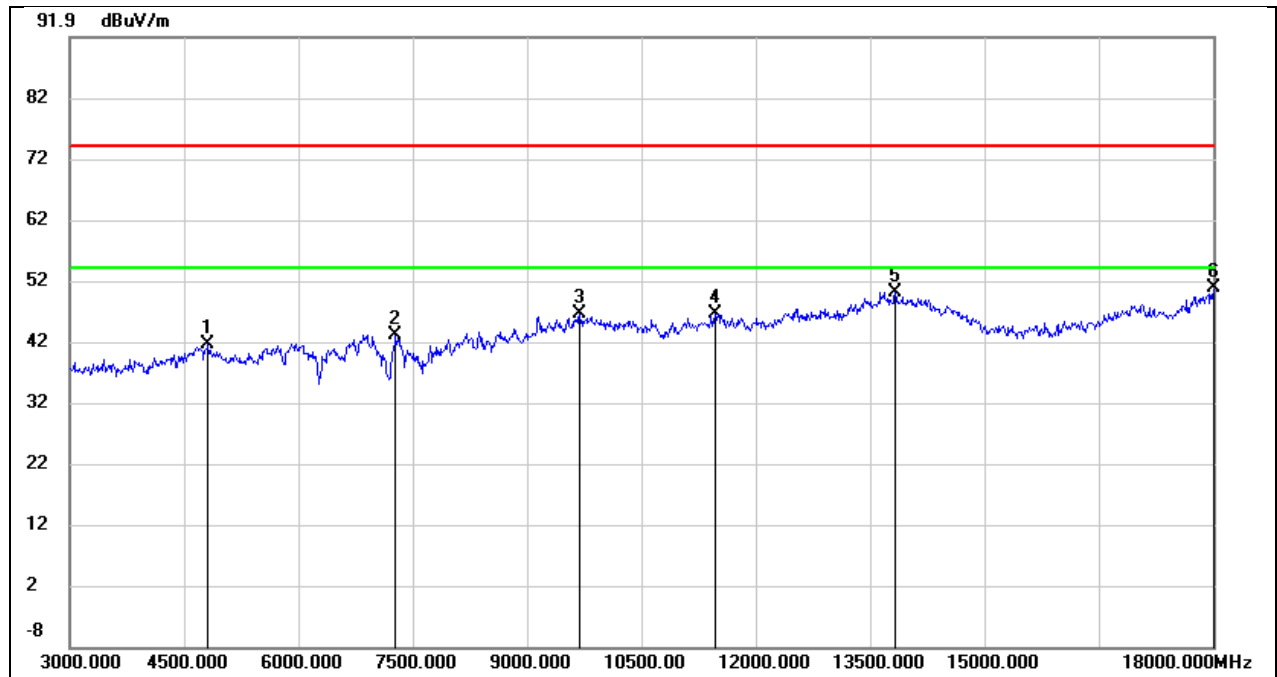
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4710.000	40.91	0.30	41.21	74.00	-32.79	peak
2	6885.000	37.02	6.15	43.17	74.00	-30.83	peak
3	9600.000	32.37	12.65	45.02	74.00	-28.98	peak
4	11610.000	27.88	17.96	45.84	74.00	-28.16	peak
5	13605.000	26.79	23.01	49.80	74.00	-24.20	peak
6	17940.000	21.96	28.02	49.98	74.00	-24.02	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



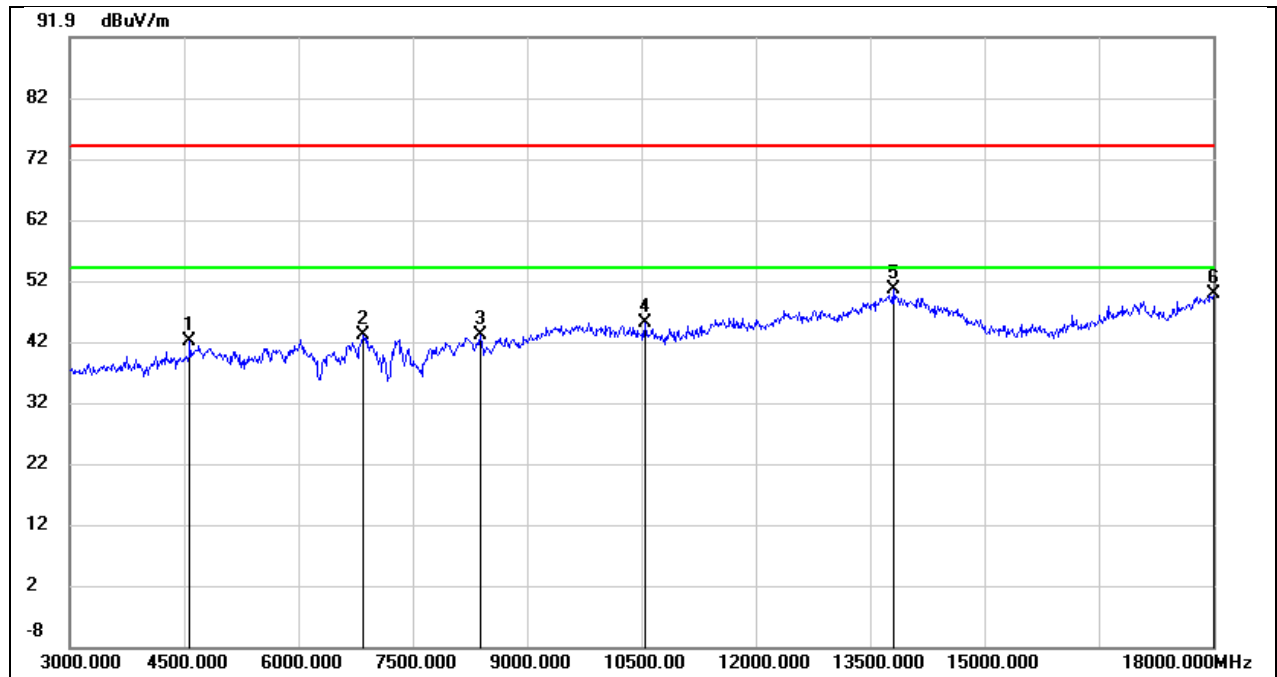
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	42.42	0.60	43.02	74.00	-30.98	peak
2	6855.000	37.69	6.08	43.77	74.00	-30.23	peak
3	9600.000	33.20	12.65	45.85	74.00	-28.15	peak
4	11610.000	28.25	17.96	46.21	74.00	-27.79	peak
5	14190.000	27.10	23.52	50.62	74.00	-23.38	peak
6	17985.000	21.42	28.41	49.83	74.00	-24.17	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



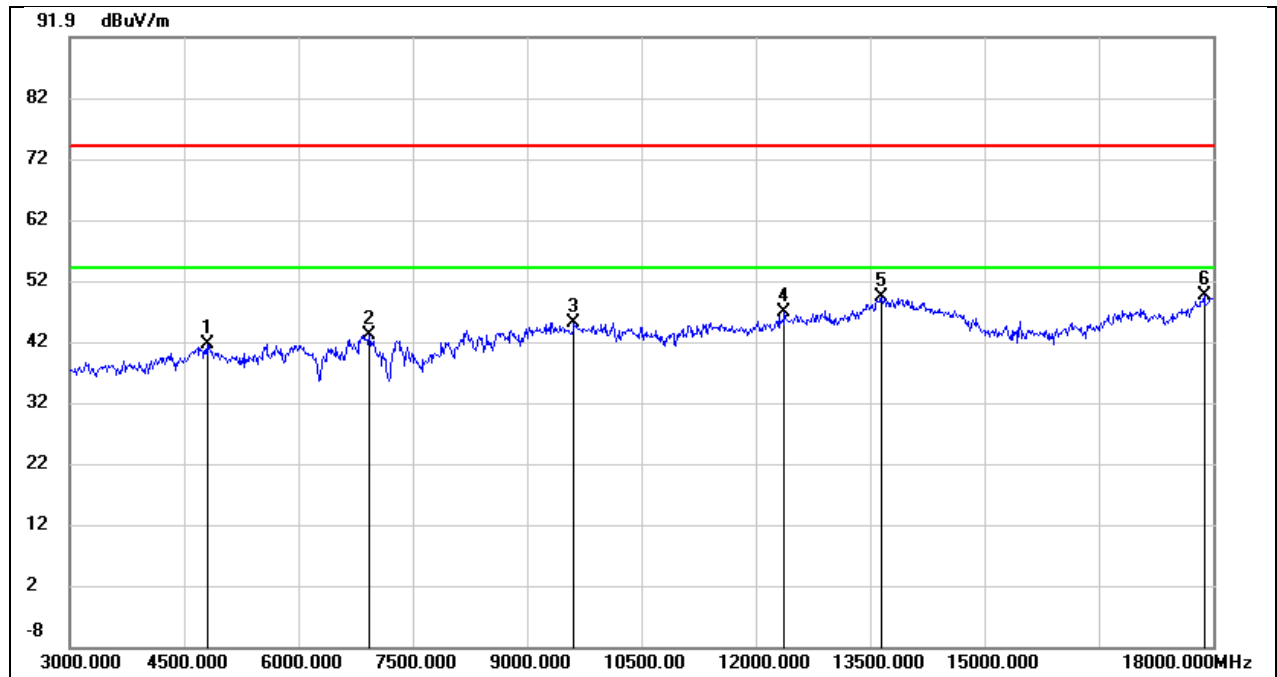
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	40.92	0.60	41.52	74.00	-32.48	peak
2	7275.000	36.24	6.88	43.12	74.00	-30.88	peak
3	9690.000	33.53	12.88	46.41	74.00	-27.59	peak
4	11460.000	29.00	17.59	46.59	74.00	-27.41	peak
5	13830.000	26.63	23.39	50.02	74.00	-23.98	peak
6	18000.000	22.14	28.54	50.68	74.00	-23.32	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



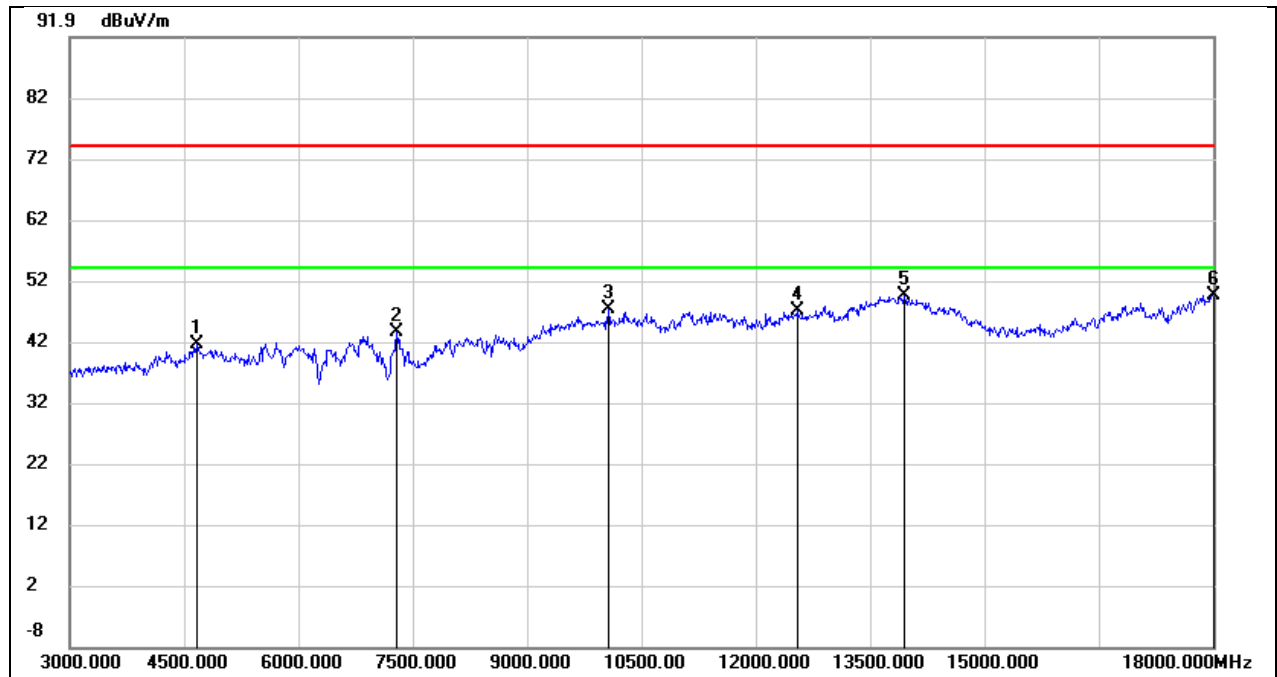
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4575.000	42.10	-0.11	41.99	74.00	-32.01	peak
2	6855.000	36.94	6.08	43.02	74.00	-30.98	peak
3	8385.000	34.06	8.88	42.94	74.00	-31.06	peak
4	10545.000	30.72	14.35	45.07	74.00	-28.93	peak
5	13800.000	27.15	23.27	50.42	74.00	-23.58	peak
6	18000.000	21.25	28.54	49.79	74.00	-24.21	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



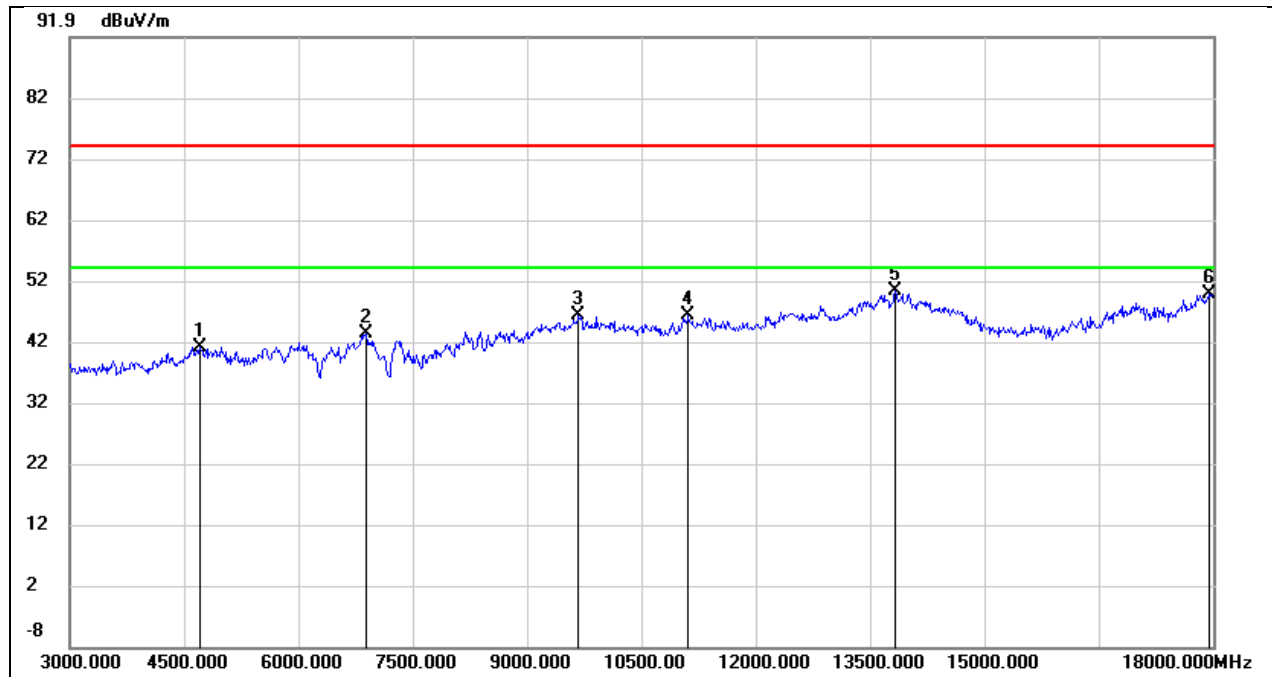
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4800.000	41.02	0.57	41.59	74.00	-32.41	peak
2	6930.000	36.81	6.27	43.08	74.00	-30.92	peak
3	9615.000	32.37	12.69	45.06	74.00	-28.94	peak
4	12375.000	27.13	19.57	46.70	74.00	-27.30	peak
5	13650.000	26.22	23.06	49.28	74.00	-24.72	peak
6	17880.000	22.15	27.49	49.64	74.00	-24.36	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



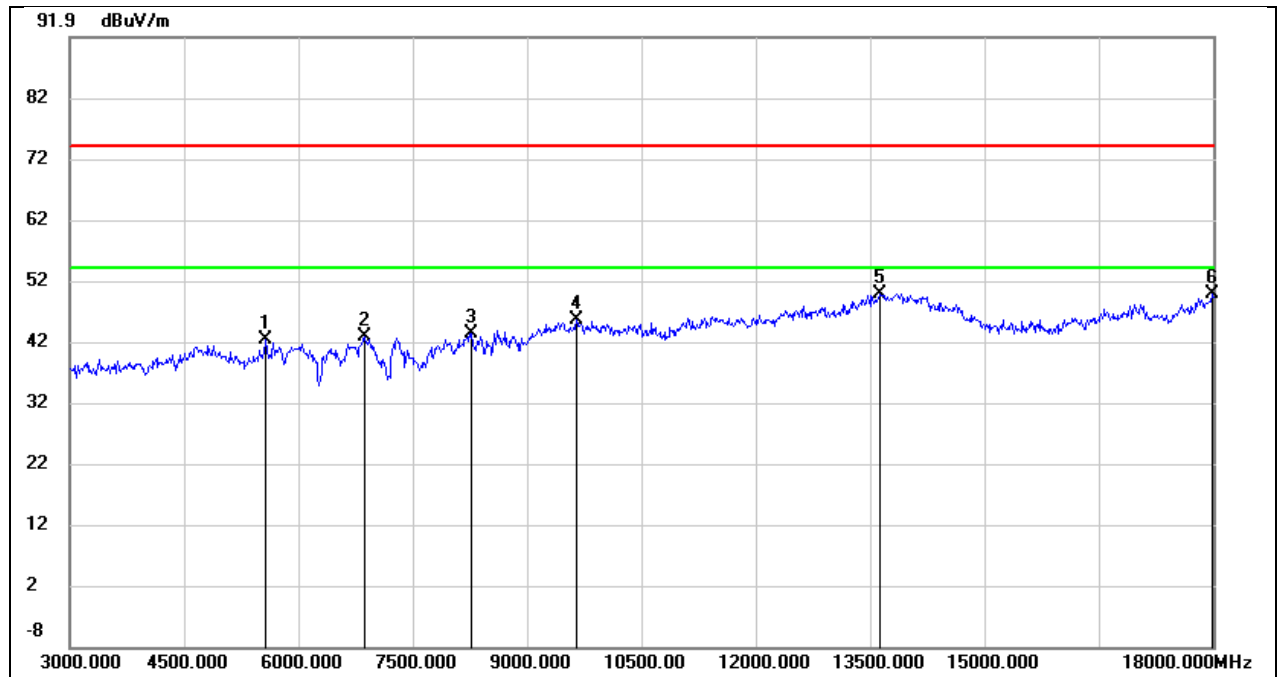
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4665.000	41.46	0.16	41.62	74.00	-32.38	peak
2	7290.000	36.70	6.88	43.58	74.00	-30.42	peak
3	10065.000	34.03	13.30	47.33	74.00	-26.67	peak
4	12540.000	27.24	19.69	46.93	74.00	-27.07	peak
5	13950.000	25.58	23.89	49.47	74.00	-24.53	peak
6	18000.000	21.04	28.54	49.58	74.00	-24.42	peak

Test Mode:	SRD 2.4G 10M	Frequency(MHz):	2467.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



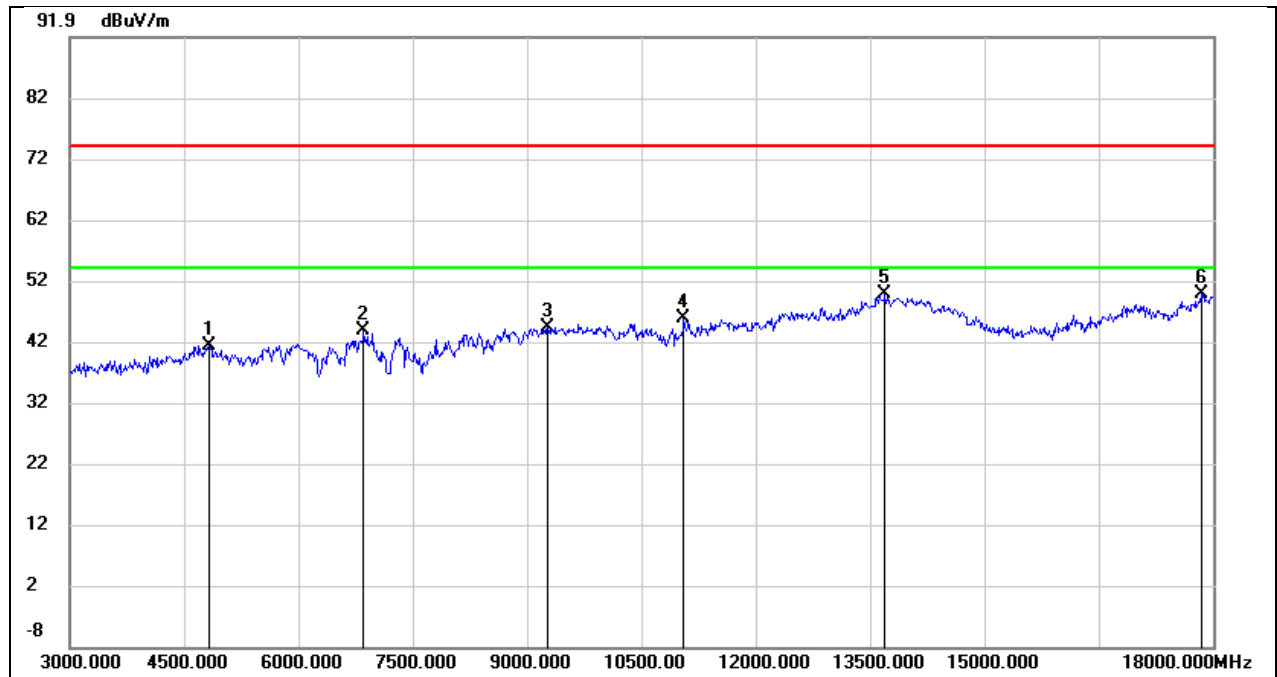
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4710.000	40.69	0.30	40.99	74.00	-33.01	peak
2	6885.000	37.05	6.15	43.20	74.00	-30.80	peak
3	9675.000	33.39	12.84	46.23	74.00	-27.77	peak
4	11115.000	29.50	16.88	46.38	74.00	-27.62	peak
5	13830.000	26.92	23.39	50.31	74.00	-23.69	peak
6	17940.000	21.65	28.02	49.67	74.00	-24.33	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



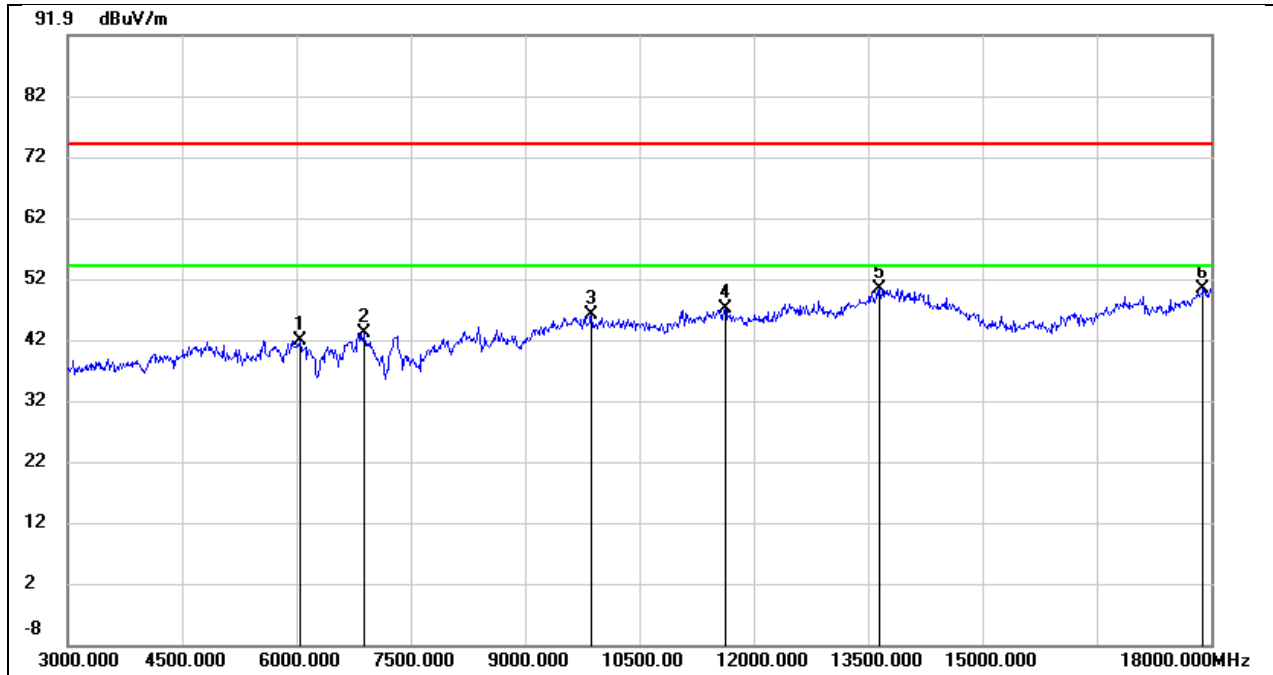
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5565.000	40.17	2.09	42.26	74.00	-31.74	peak
2	6870.000	36.63	6.12	42.75	74.00	-31.25	peak
3	8265.000	34.54	8.70	43.24	74.00	-30.76	peak
4	9645.000	32.65	12.76	45.41	74.00	-28.59	peak
5	13635.000	26.82	23.05	49.87	74.00	-24.13	peak
6	17985.000	21.33	28.41	49.74	74.00	-24.26	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2412.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



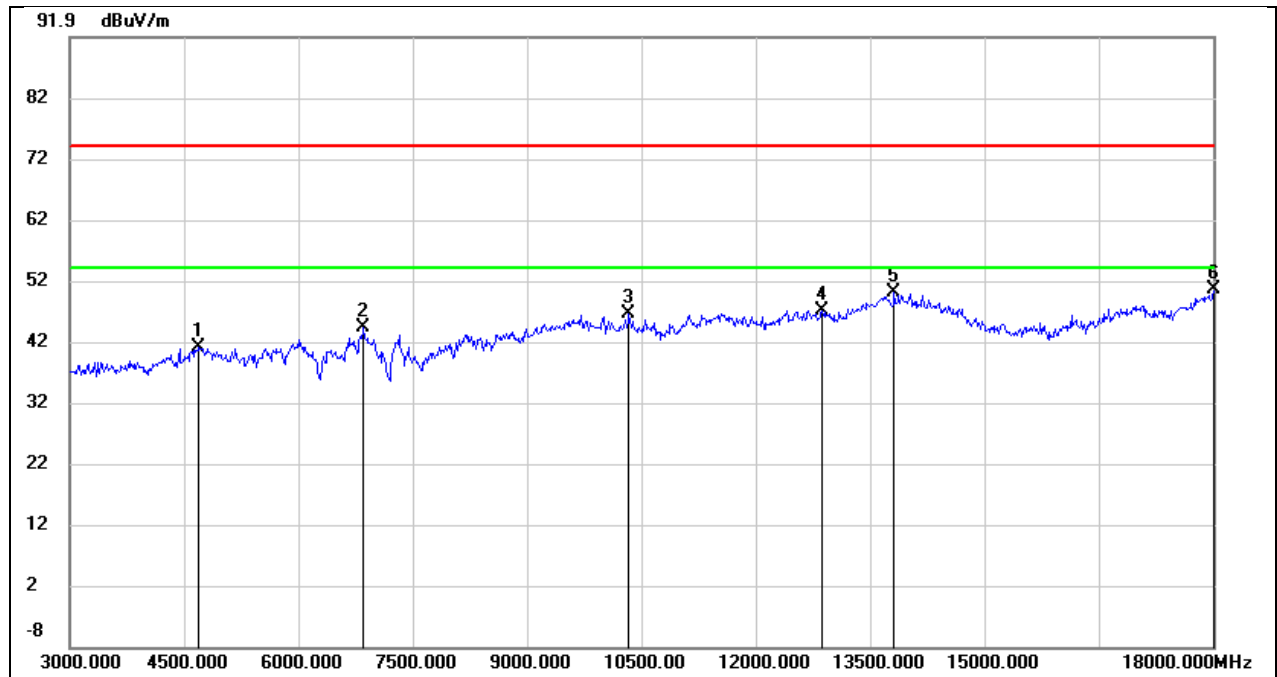
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4830.000	40.71	0.64	41.35	74.00	-32.65	peak
2	6855.000	37.60	6.08	43.68	74.00	-30.32	peak
3	9270.000	33.09	11.23	44.32	74.00	-29.68	peak
4	11055.000	29.11	16.60	45.71	74.00	-28.29	peak
5	13695.000	26.56	23.13	49.69	74.00	-24.31	peak
6	17850.000	22.55	27.22	49.77	74.00	-24.23	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



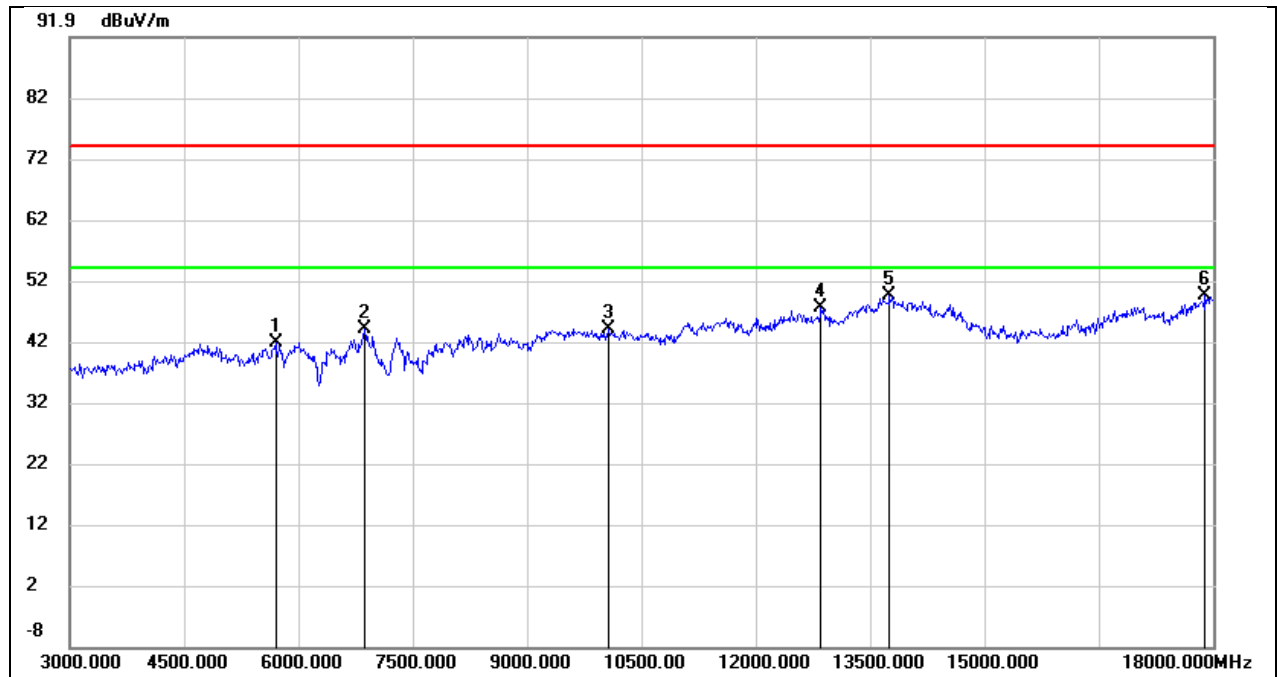
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6045.000	38.56	3.15	41.71	74.00	-32.29	peak
2	6885.000	36.82	6.15	42.97	74.00	-31.03	peak
3	9870.000	32.82	13.18	46.00	74.00	-28.00	peak
4	11625.000	29.04	18.01	47.05	74.00	-26.95	peak
5	13650.000	27.30	23.06	50.36	74.00	-23.64	peak
6	17895.000	22.78	27.62	50.40	74.00	-23.60	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



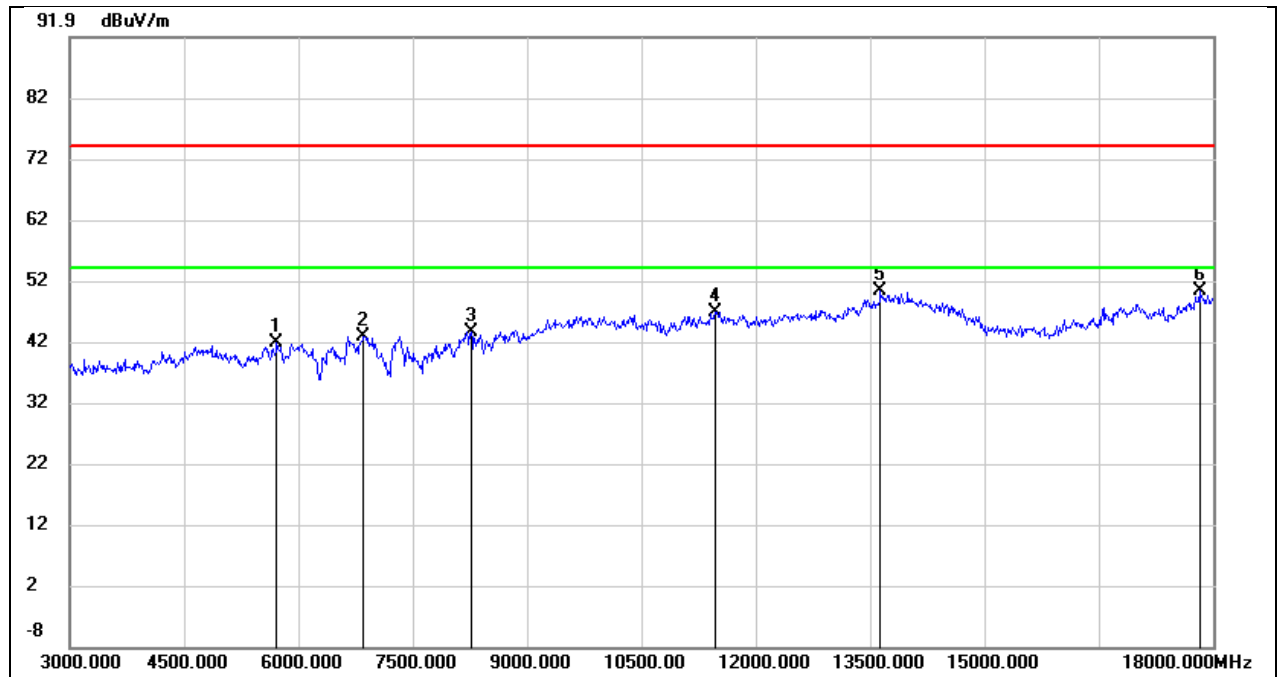
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4695.000	40.74	0.25	40.99	74.00	-33.01	peak
2	6855.000	38.18	6.08	44.26	74.00	-29.74	peak
3	10335.000	32.79	13.71	46.50	74.00	-27.50	peak
4	12870.000	26.91	20.22	47.13	74.00	-26.87	peak
5	13815.000	26.74	23.34	50.08	74.00	-23.92	peak
6	18000.000	21.94	28.54	50.48	74.00	-23.52	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



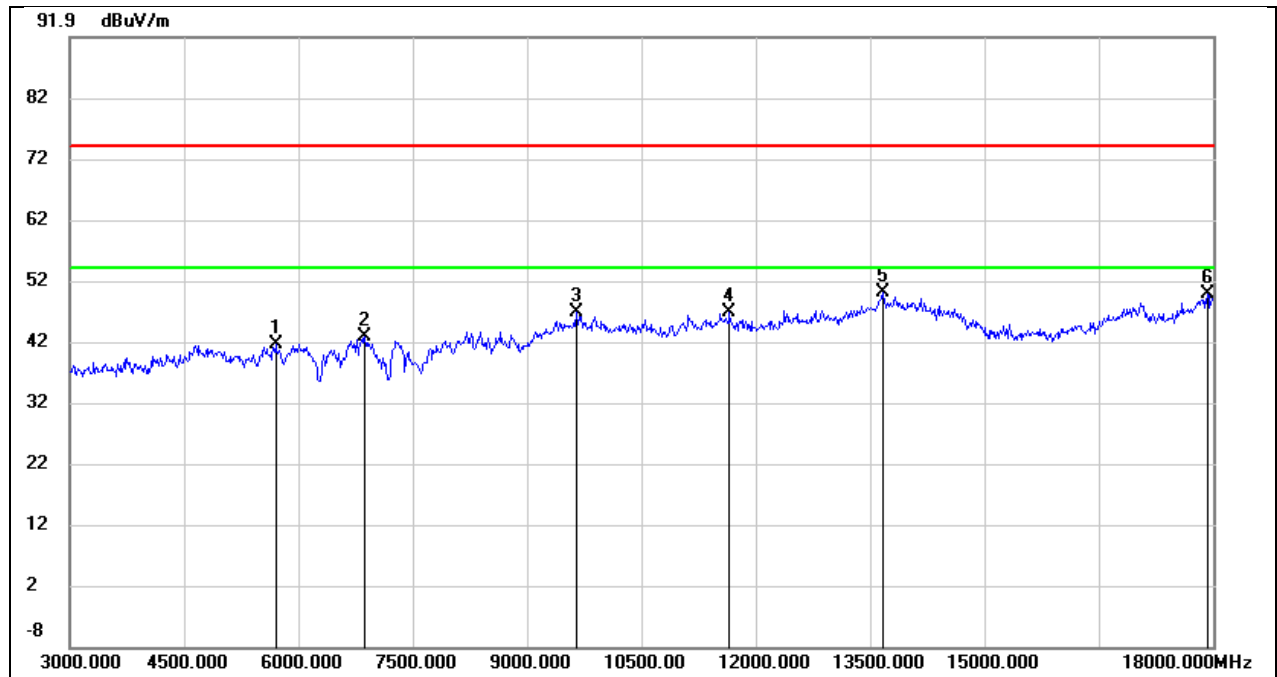
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.000	39.31	2.39	41.70	74.00	-32.30	peak
2	6870.000	38.00	6.12	44.12	74.00	-29.88	peak
3	10065.000	30.79	13.30	44.09	74.00	-29.91	peak
4	12855.000	27.25	20.19	47.44	74.00	-26.56	peak
5	13755.000	26.40	23.21	49.61	74.00	-24.39	peak
6	17895.000	21.79	27.62	49.41	74.00	-24.59	peak

Test Mode:	SRD 2.4G 20M	Frequency(MHz):	2462.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



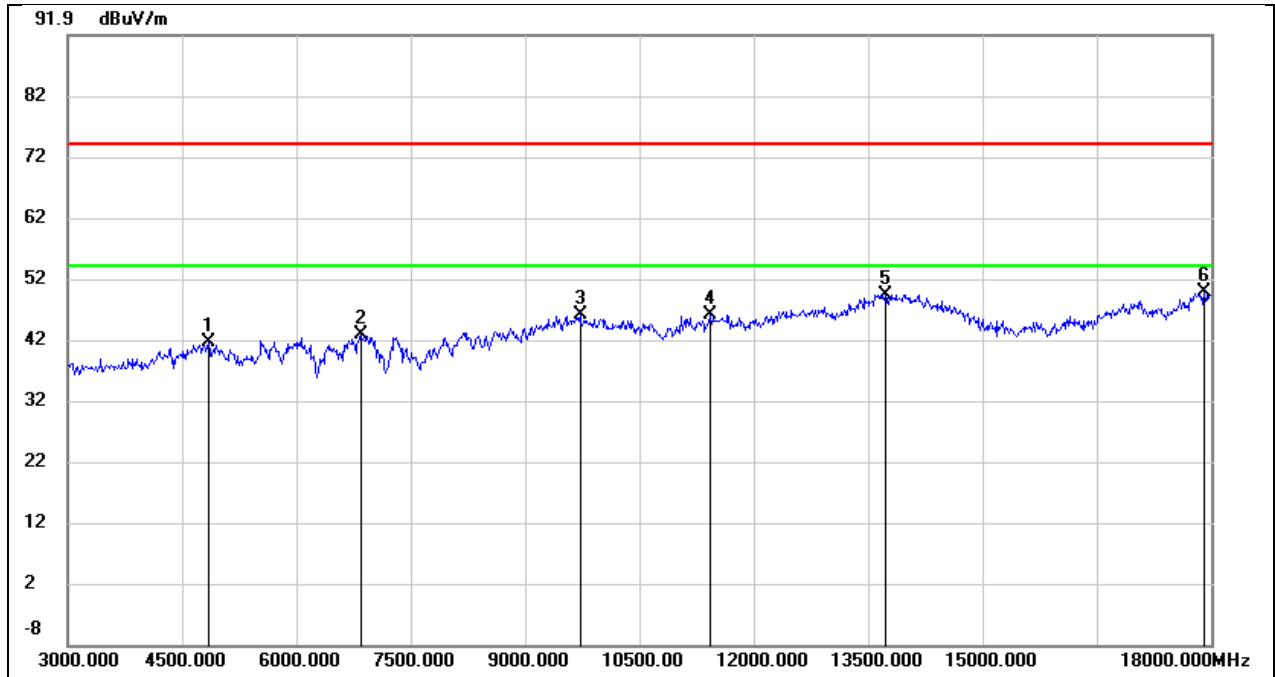
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5715.000	39.33	2.41	41.74	74.00	-32.26	peak
2	6855.000	36.74	6.08	42.82	74.00	-31.18	peak
3	8265.000	34.80	8.70	43.50	74.00	-30.50	peak
4	11460.000	29.22	17.59	46.81	74.00	-27.19	peak
5	13635.000	27.18	23.05	50.23	74.00	-23.77	peak
6	17820.000	23.23	26.95	50.18	74.00	-23.82	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



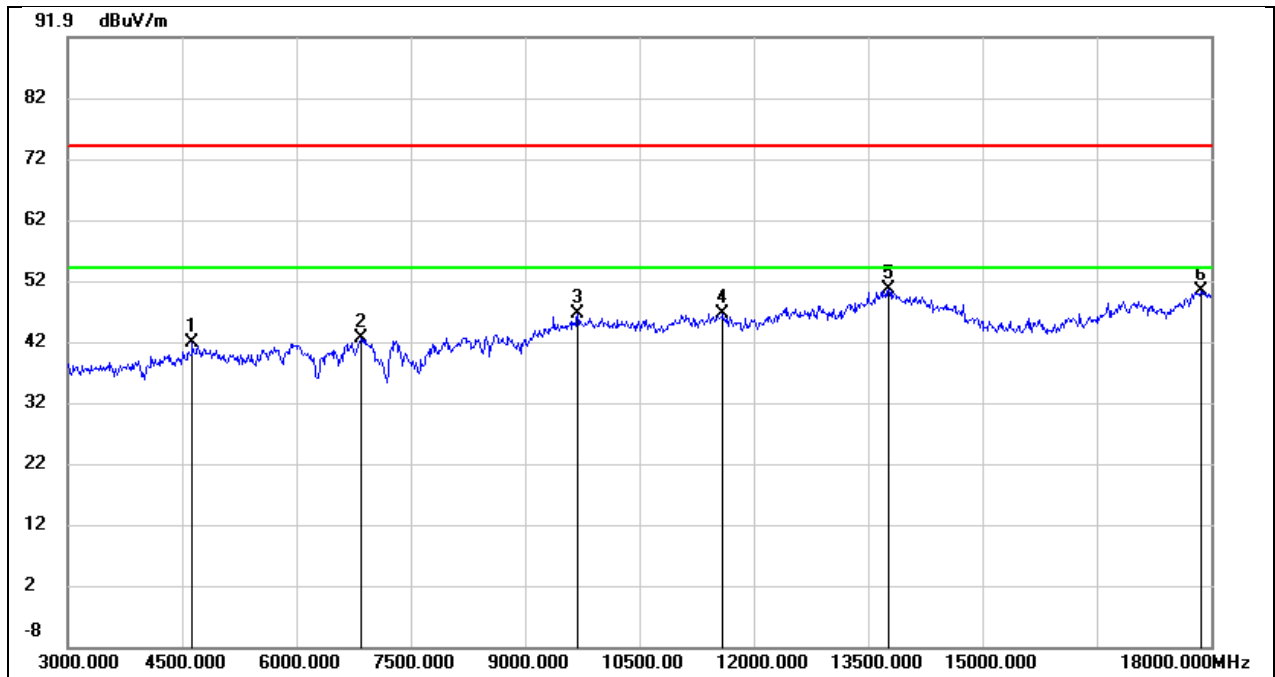
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.000	39.03	2.39	41.42	74.00	-32.58	peak
2	6870.000	36.67	6.12	42.79	74.00	-31.21	peak
3	9645.000	34.08	12.76	46.84	74.00	-27.16	peak
4	11655.000	28.74	18.08	46.82	74.00	-27.18	peak
5	13665.000	26.86	23.09	49.95	74.00	-24.05	peak
6	17925.000	21.82	27.87	49.69	74.00	-24.31	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2422.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



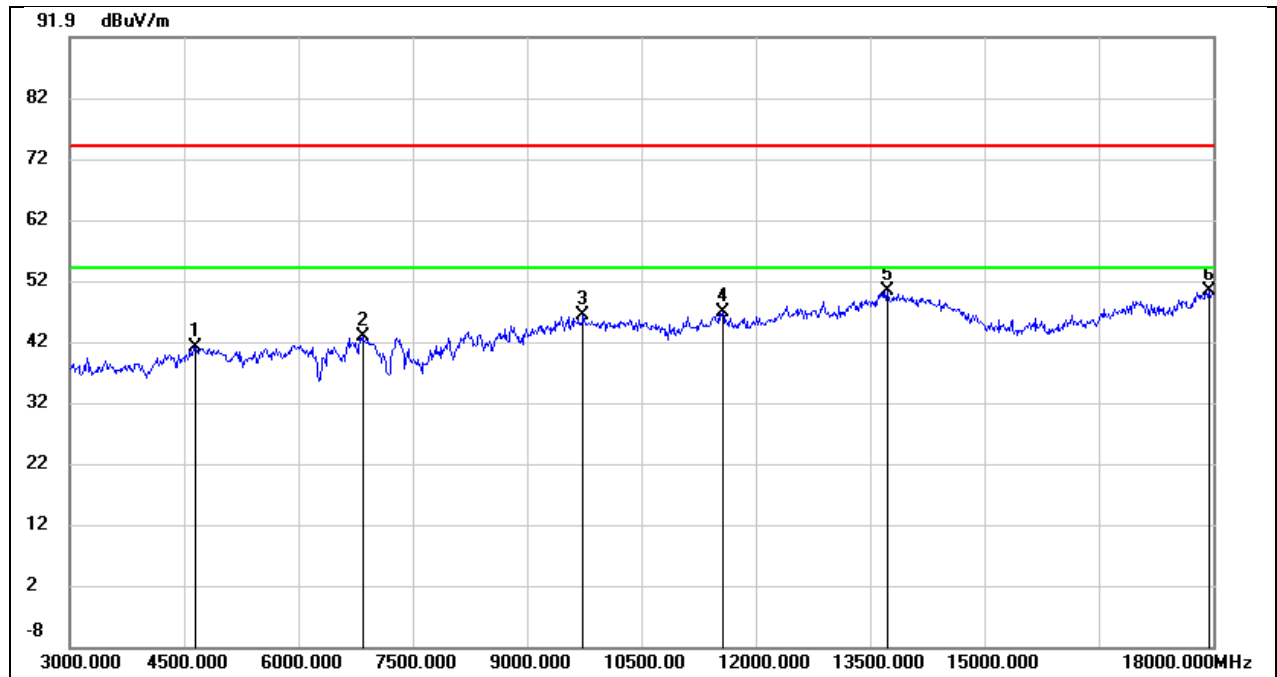
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	40.82	0.68	41.50	74.00	-32.50	peak
2	6840.000	36.72	6.04	42.76	74.00	-31.24	peak
3	9720.000	33.12	12.95	46.07	74.00	-27.93	peak
4	11430.000	28.44	17.51	45.95	74.00	-28.05	peak
5	13725.000	26.22	23.17	49.39	74.00	-24.61	peak
6	17910.000	22.15	27.75	49.90	74.00	-24.10	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



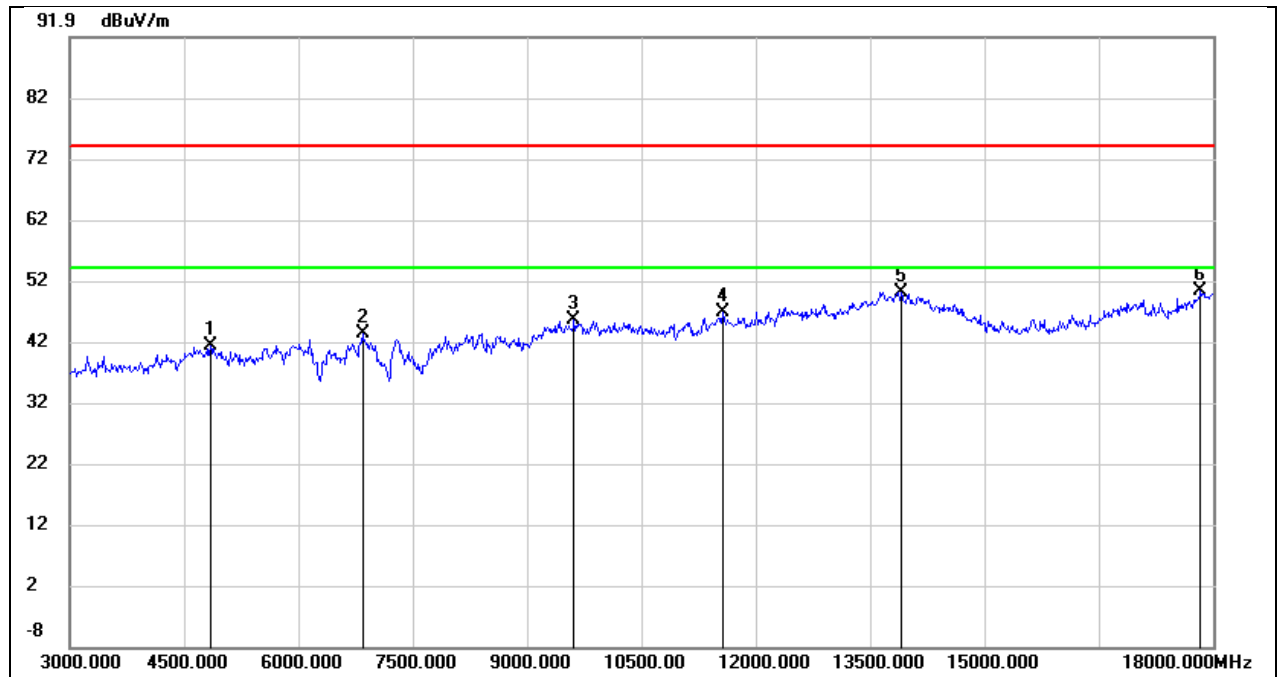
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4635.000	41.63	0.08	41.71	74.00	-32.29	peak
2	6855.000	36.53	6.08	42.61	74.00	-31.39	peak
3	9690.000	33.60	12.88	46.48	74.00	-27.52	peak
4	11595.000	28.55	17.94	46.49	74.00	-27.51	peak
5	13770.000	27.39	23.23	50.62	74.00	-23.38	peak
6	17865.000	22.90	27.35	50.25	74.00	-23.75	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



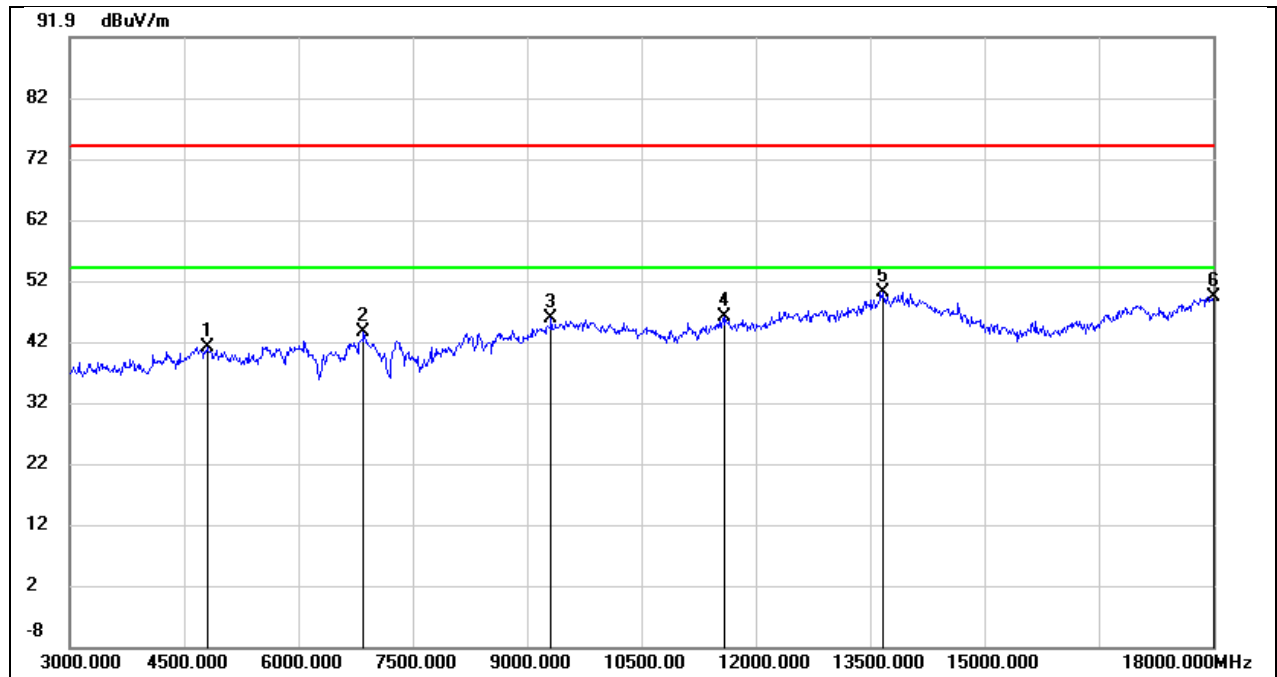
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4650.000	40.90	0.12	41.02	74.00	-32.98	peak
2	6840.000	36.79	6.04	42.83	74.00	-31.17	peak
3	9735.000	33.38	12.99	46.37	74.00	-27.63	peak
4	11565.000	28.93	17.86	46.79	74.00	-27.21	peak
5	13725.000	27.22	23.17	50.39	74.00	-23.61	peak
6	17940.000	22.18	28.02	50.20	74.00	-23.80	peak

Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	40.70	0.68	41.38	74.00	-32.62	peak
2	6840.000	37.20	6.04	43.24	74.00	-30.76	peak
3	9615.000	32.73	12.69	45.42	74.00	-28.58	peak
4	11565.000	28.93	17.86	46.79	74.00	-27.21	peak
5	13905.000	26.43	23.70	50.13	74.00	-23.87	peak
6	17835.000	23.17	27.09	50.26	74.00	-23.74	peak

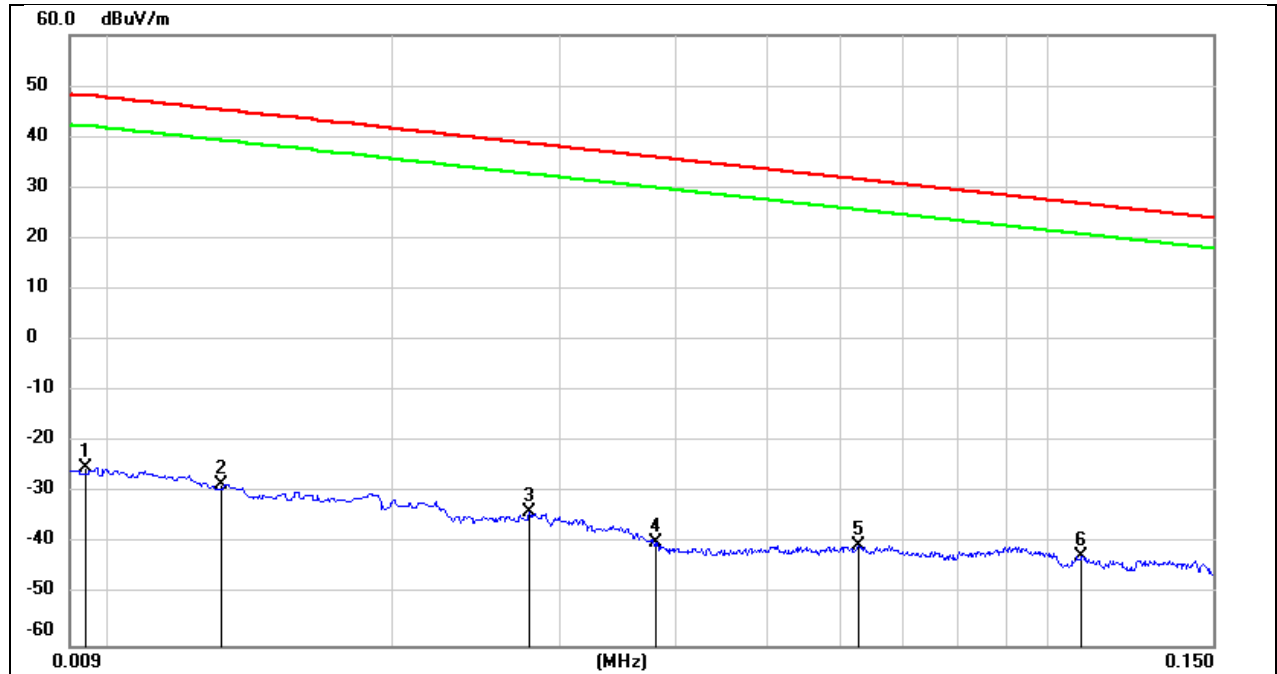
Test Mode:	SRD 2.4G 40M	Frequency(MHz):	2452.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4800.000	40.56	0.57	41.13	74.00	-32.87	peak
2	6855.000	37.34	6.08	43.42	74.00	-30.58	peak
3	9315.000	34.31	11.42	45.73	74.00	-28.27	peak
4	11595.000	28.11	17.94	46.05	74.00	-27.95	peak
5	13665.000	26.94	23.09	50.03	74.00	-23.97	peak
6	18000.000	20.69	28.54	49.23	74.00	-24.77	peak

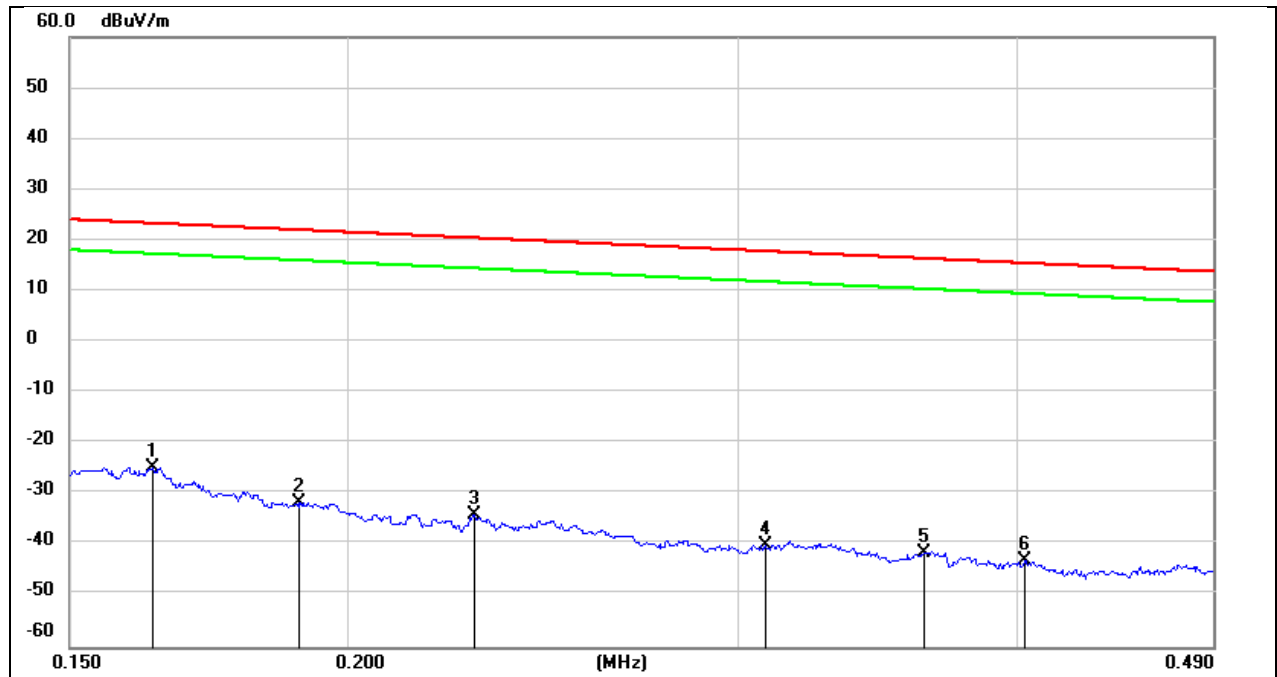
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



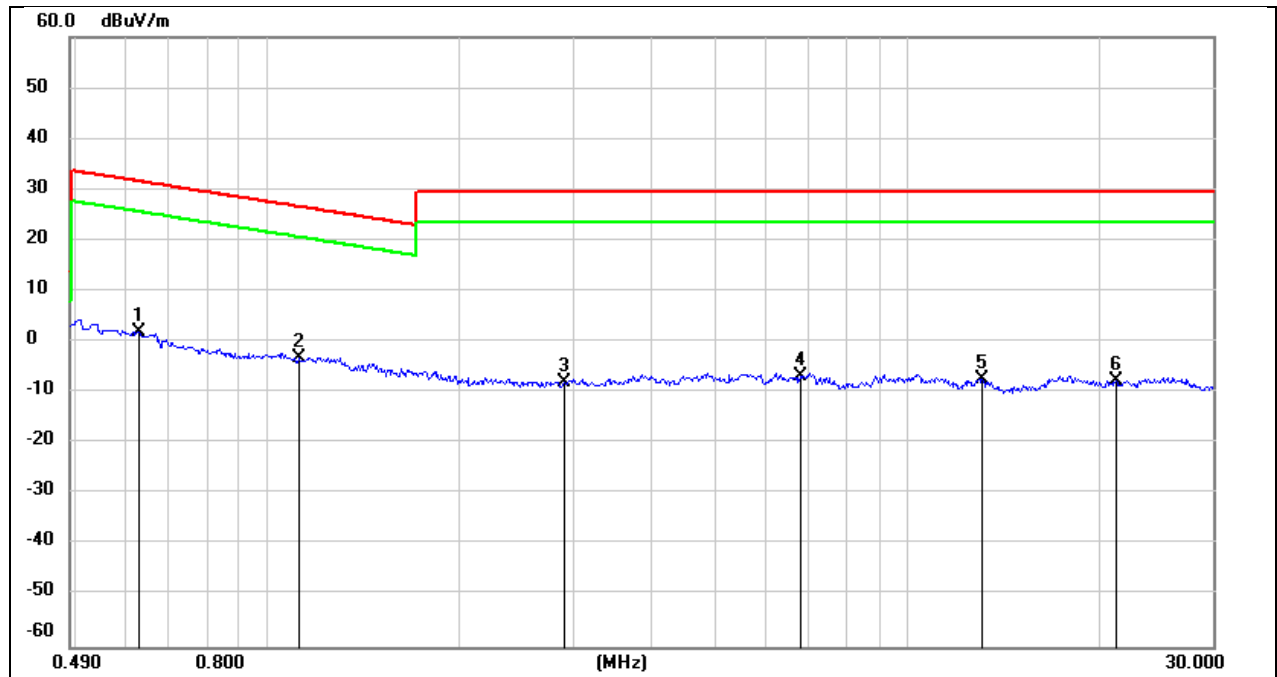
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0094	76.16	-101.35	-25.19	48.05	-73.24	peak
2	0.0131	72.95	-101.38	-28.43	45.25	-73.68	peak
3	0.0279	67.67	-101.38	-33.71	38.69	-72.40	peak
4	0.0381	61.53	-101.42	-39.89	35.98	-75.87	peak
5	0.0627	61.15	-101.53	-40.38	31.66	-72.04	peak
6	0.1087	59.43	-101.78	-42.35	26.88	-69.23	peak

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1635	77.02	-101.65	-24.63	23.33	-47.96	peak
2	0.1901	70.07	-101.70	-31.63	22.03	-53.66	peak
3	0.2280	67.70	-101.77	-34.07	20.44	-54.51	peak
4	0.3084	61.95	-101.86	-39.91	17.82	-57.73	peak
5	0.3634	60.32	-101.93	-41.61	16.39	-58.00	peak
6	0.4032	58.97	-101.96	-42.99	15.49	-58.48	peak

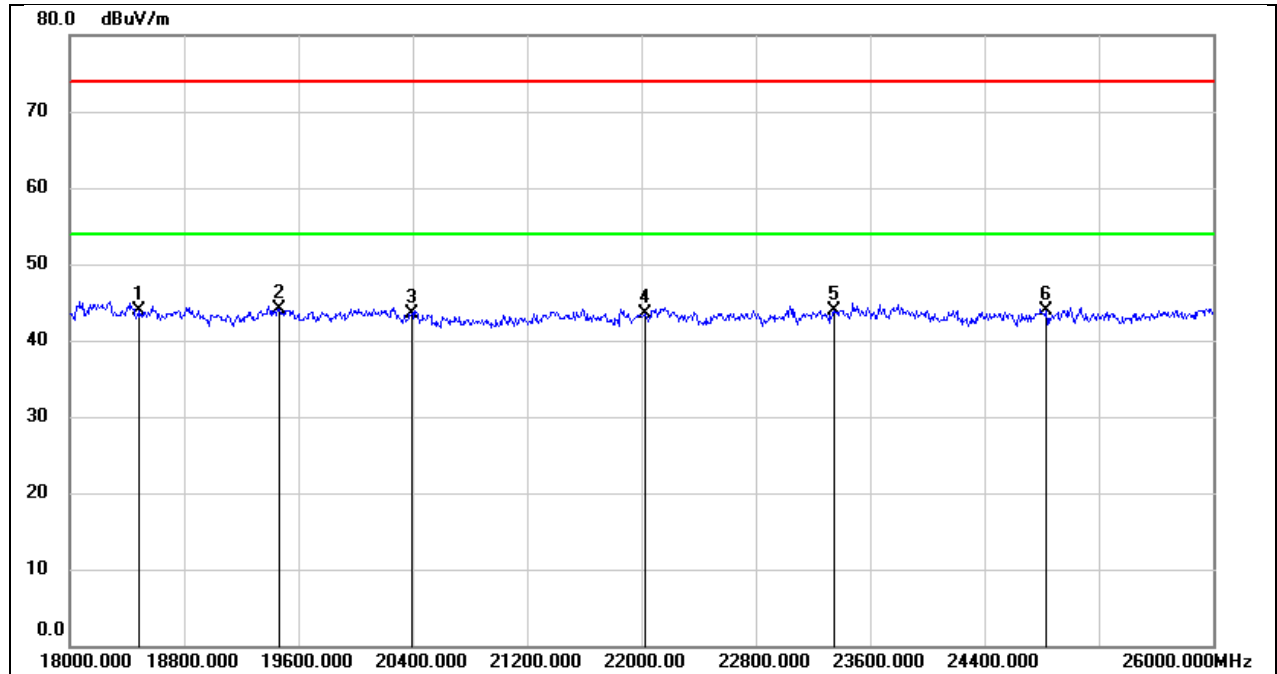
Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.6298	64.17	-62.09	2.08	31.62	-29.54	peak
2	1.1149	59.22	-62.22	-3.00	26.66	-29.66	peak
3	2.9098	53.74	-61.60	-7.86	29.54	-37.40	peak
4	6.8051	54.49	-61.24	-6.75	29.54	-36.29	peak
5	13.0907	53.63	-60.93	-7.30	29.54	-36.84	peak
6	21.2056	53.24	-60.74	-7.50	29.54	-37.04	peak

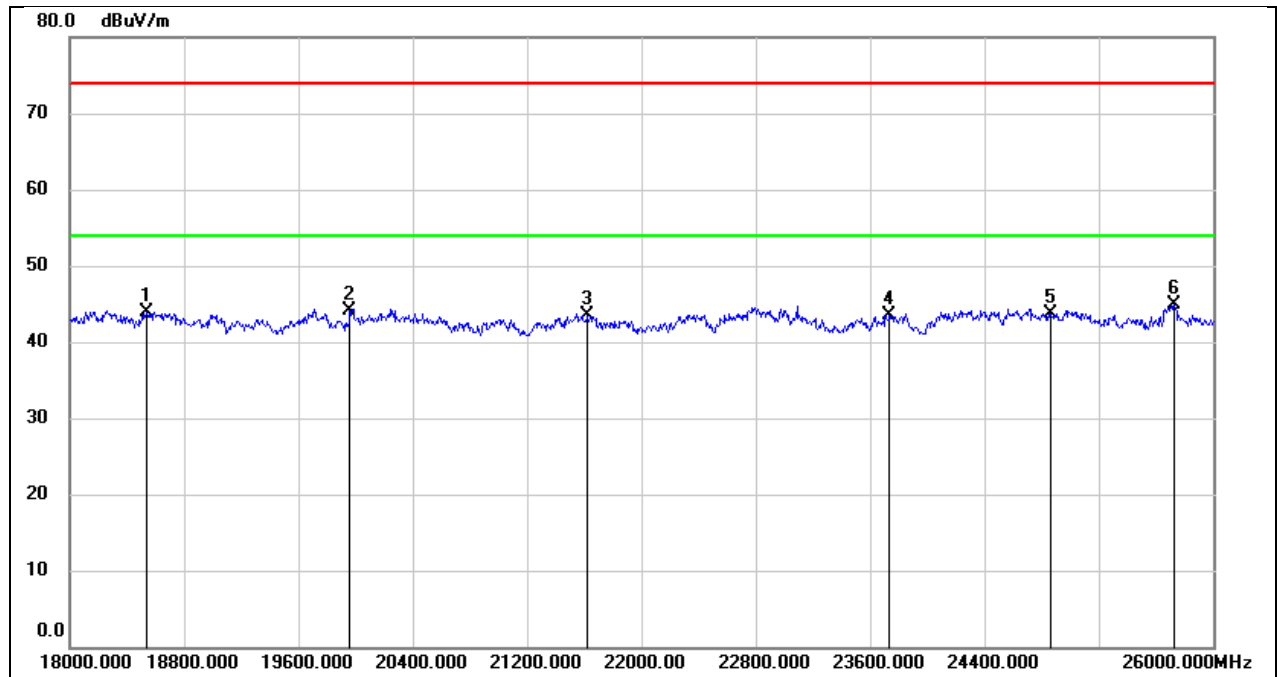
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18488.000	49.15	-5.26	43.89	74.00	-30.11	peak
2	19464.000	49.64	-5.55	44.09	74.00	-29.91	peak
3	20392.000	49.01	-5.46	43.55	74.00	-30.45	peak
4	22024.000	48.04	-4.46	43.58	74.00	-30.42	peak
5	23344.000	47.23	-3.29	43.94	74.00	-30.06	peak
6	24832.000	46.20	-2.24	43.96	74.00	-30.04	peak

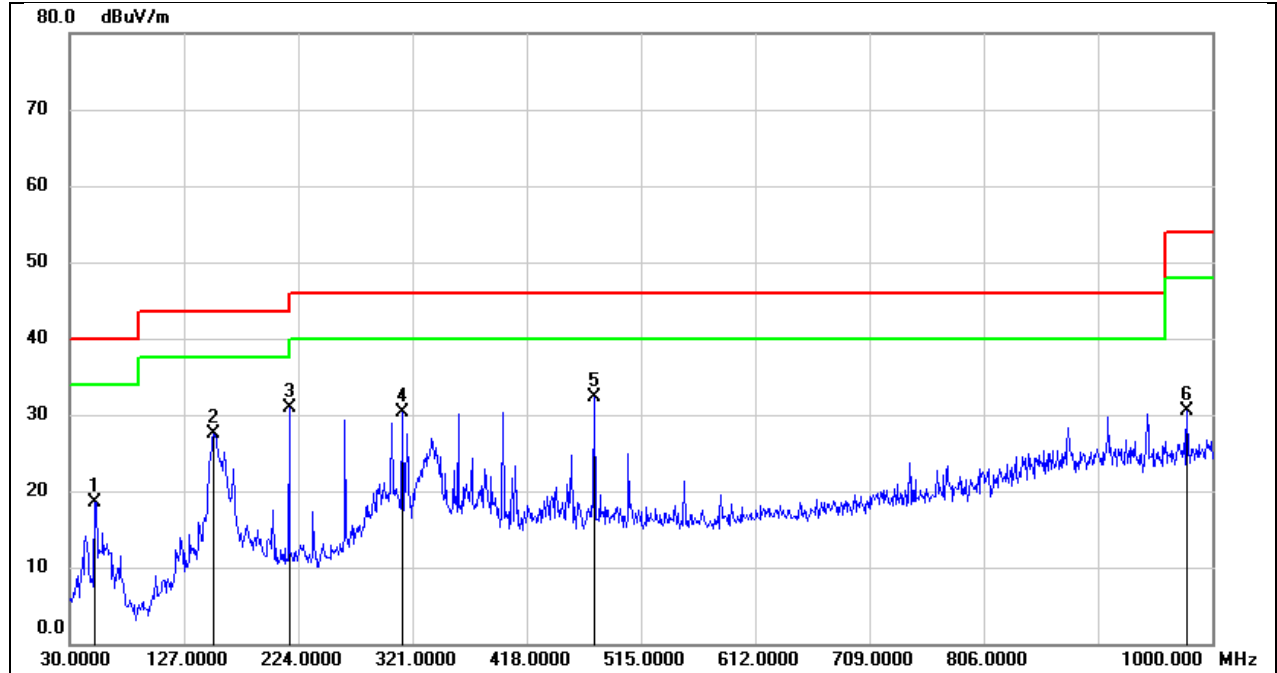
Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18536.000	49.10	-5.27	43.83	74.00	-30.17	peak
2	19960.000	49.56	-5.42	44.14	74.00	-29.86	peak
3	21624.000	48.01	-4.51	43.50	74.00	-30.50	peak
4	23736.000	46.69	-3.19	43.50	74.00	-30.50	peak
5	24864.000	46.03	-2.23	43.80	74.00	-30.20	peak
6	25728.000	45.61	-0.72	44.89	74.00	-29.11	peak

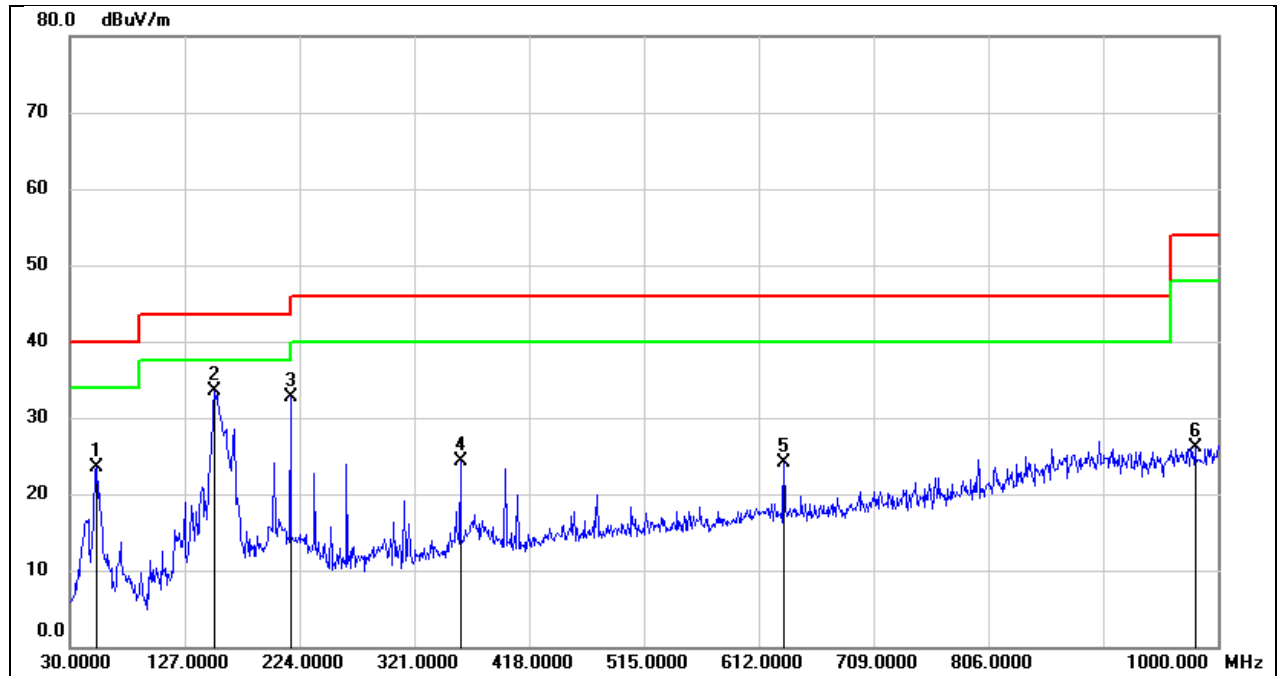
8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Horizontal	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	51.3400	33.54	-15.07	18.47	40.00	-21.53	QP
2	152.2200	40.92	-13.32	27.60	43.50	-15.90	QP
3	216.2400	43.86	-12.95	30.91	46.00	-15.09	QP
4	312.2700	41.25	-11.03	30.22	46.00	-15.78	QP
5	475.2300	40.14	-7.91	32.23	46.00	-13.77	QP
6	978.6600	30.97	-0.43	30.54	54.00	-23.46	QP

Test Mode:	SRD 2.4G 1.4M	Frequency(MHz):	2403.5
Polarity:	Vertical	Test Voltage:	DC 15.4V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	52.3100	38.56	-15.05	23.51	40.00	-16.49	QP
2	152.2200	46.90	-13.32	33.58	43.50	-9.92	QP
3	216.2400	45.67	-12.95	32.72	46.00	-13.28	QP
4	359.8000	33.90	-9.55	24.35	46.00	-21.65	QP
5	633.3400	29.82	-5.64	24.18	46.00	-21.82	QP
6	980.6000	26.58	-0.40	26.18	54.00	-27.82	QP

9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

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

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

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

DESCRIPTION

Pass

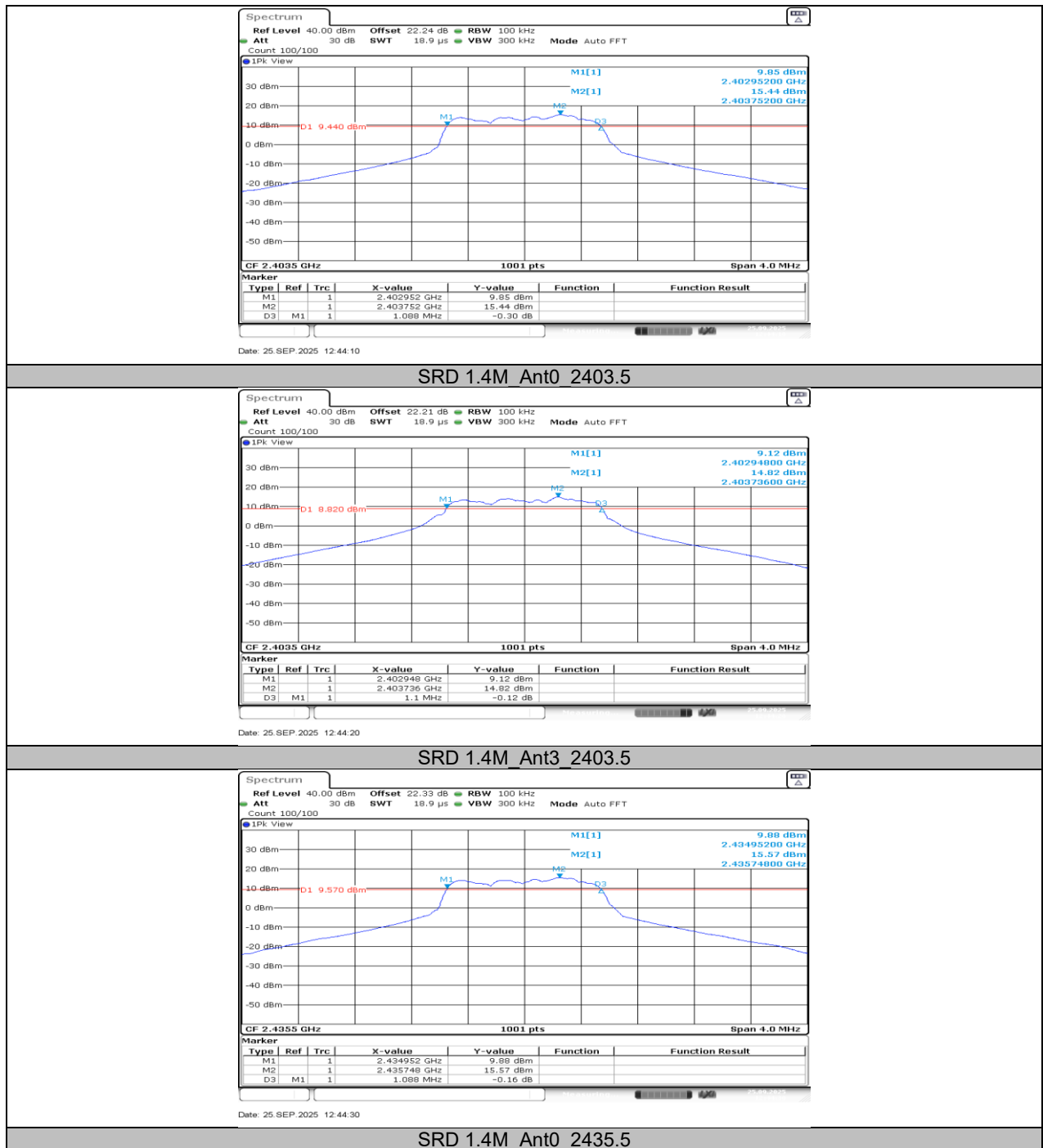
10. TEST DATA

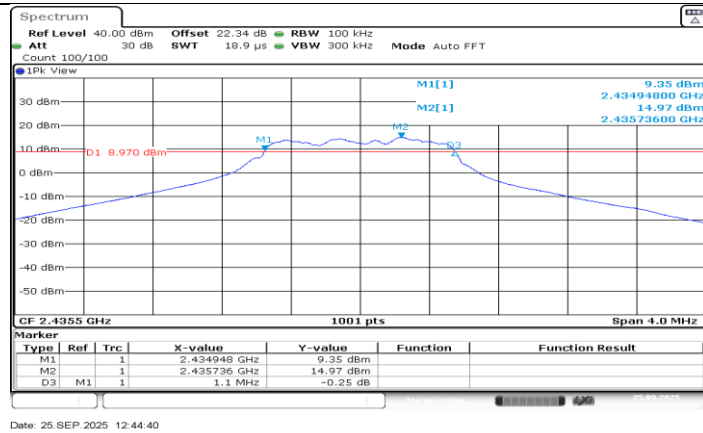
10.1. APPENDIX A: DTS BANDWIDTH

10.1.1. Test Result

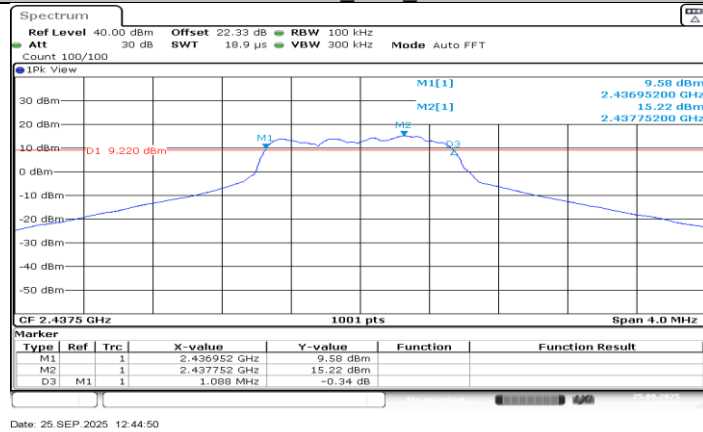
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD 1.4M	Ant0	2403.5	1.09	2402.95	2404.04	≥0.5	PASS
	Ant3	2403.5	1.10	2402.95	2404.05	≥0.5	PASS
	Ant0	2437.5	1.09	2434.95	2436.04	≥0.5	PASS
	Ant3	2437.5	1.10	2434.95	2436.05	≥0.5	PASS
	Ant0	2471.12	1.09	2436.95	2438.04	≥0.5	PASS
	Ant3	2471.12	1.10	2436.95	2438.05	≥0.5	PASS
SRD 3M	Ant0	2405.5	1.09	2470.57	2471.66	≥0.5	PASS
	Ant3	2405.5	1.10	2470.56	2471.66	≥0.5	PASS
	Ant0	2438.5	2.18	2404.40	2406.59	≥0.5	PASS
	Ant3	2438.5	2.15	2404.43	2406.58	≥0.5	PASS
	Ant0	2471.2	2.18	2437.40	2439.59	≥0.5	PASS
	Ant3	2471.2	2.16	2437.42	2439.58	≥0.5	PASS
SRD 10M	Ant0	2407.5	2.17	2470.10	2472.27	≥0.5	PASS
	Ant3	2407.5	2.16	2470.12	2472.28	≥0.5	PASS
	Ant0	2437.5	9.04	2402.98	2412.02	≥0.5	PASS
	Ant3	2437.5	9.04	2402.98	2412.02	≥0.5	PASS
	Ant0	2467.5	9.00	2433.02	2442.02	≥0.5	PASS
	Ant3	2467.5	9.04	2432.98	2442.02	≥0.5	PASS
SRD 20M	Ant0	2412.5	8.96	2462.98	2471.94	≥0.5	PASS
	Ant3	2412.5	9.04	2462.98	2472.02	≥0.5	PASS
	Ant0	2437.5	17.64	2403.66	2421.30	≥0.5	PASS
	Ant3	2437.5	16.04	2404.70	2420.74	≥0.5	PASS
	Ant0	2462.5	17.56	2428.90	2446.46	≥0.5	PASS
	Ant3	2462.5	18.04	2428.50	2446.54	≥0.5	PASS
SRD 40M	Ant0	2422.5	17.96	2453.54	2471.50	≥0.5	PASS
	Ant3	2422.5	17.44	2453.82	2471.26	≥0.5	PASS
	Ant0	2437.5	35.84	2404.66	2440.50	≥0.5	PASS
	Ant3	2437.5	36.00	2404.50	2440.50	≥0.5	PASS
	Ant0	2452.5	35.84	2419.58	2455.42	≥0.5	PASS
	Ant3	2452.5	36.00	2419.50	2455.50	≥0.5	PASS

10.1.2. Test Graphs

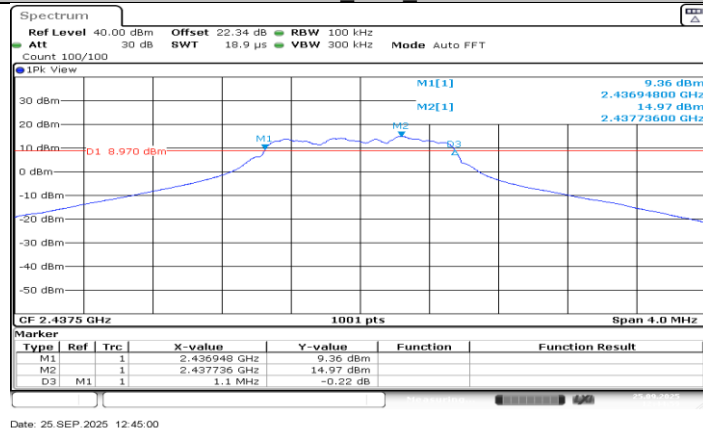




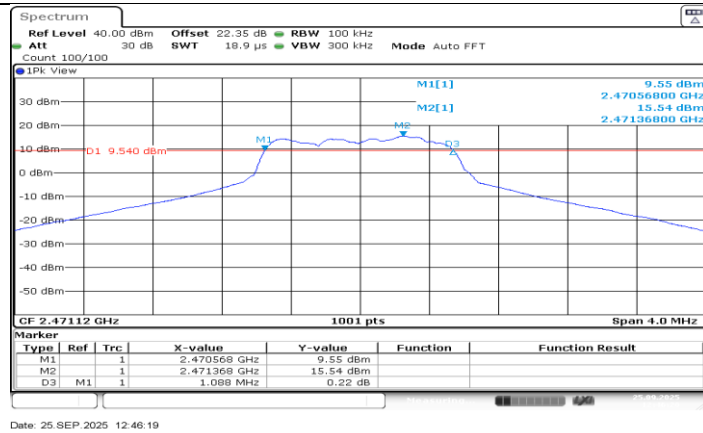
SRD 1.4M_Ant3_2435.5



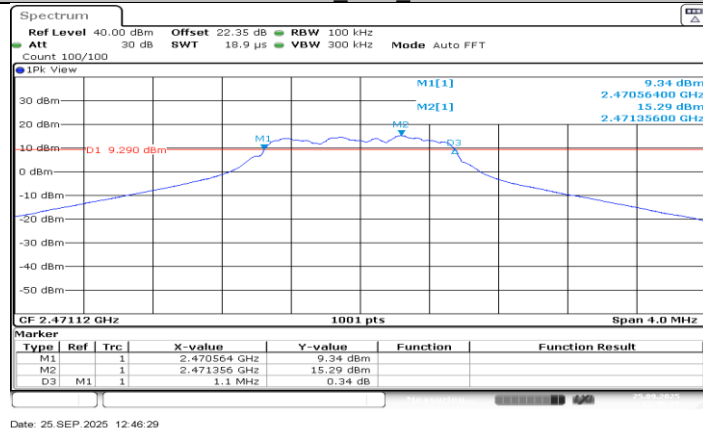
SRD 1.4M_Ant0_2437.5



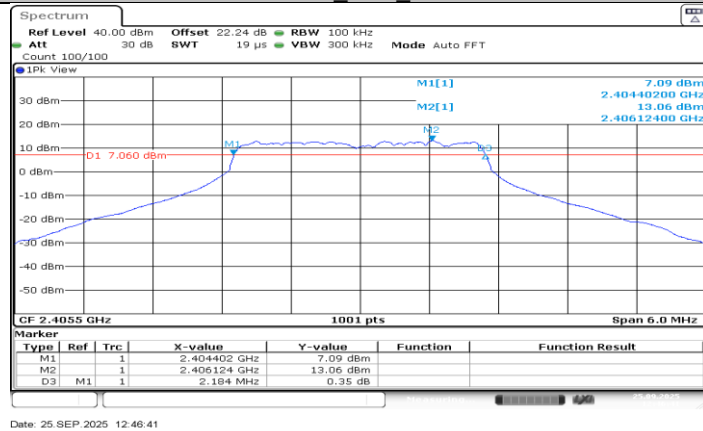
SRD 1.4M_Ant3_2437.5



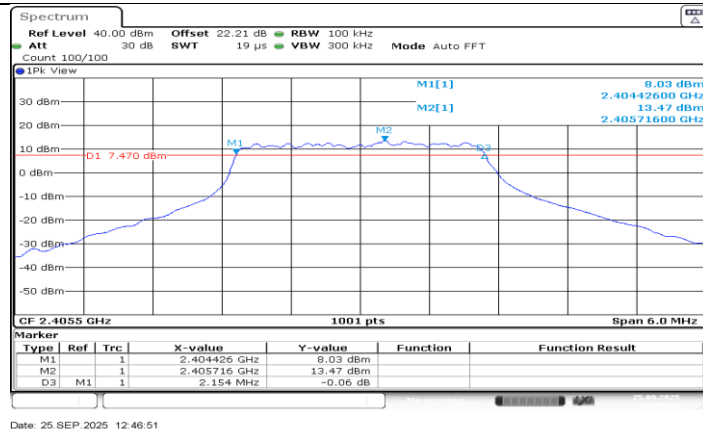
SRD 1.4M_Ant0_2471.12



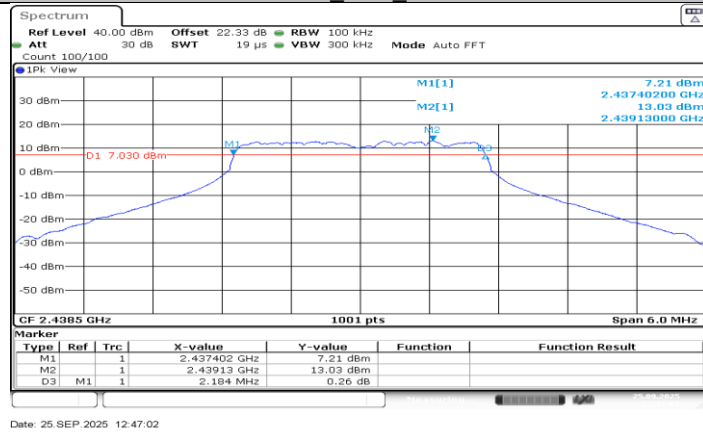
SRD 1.4M_Ant3_2471.12



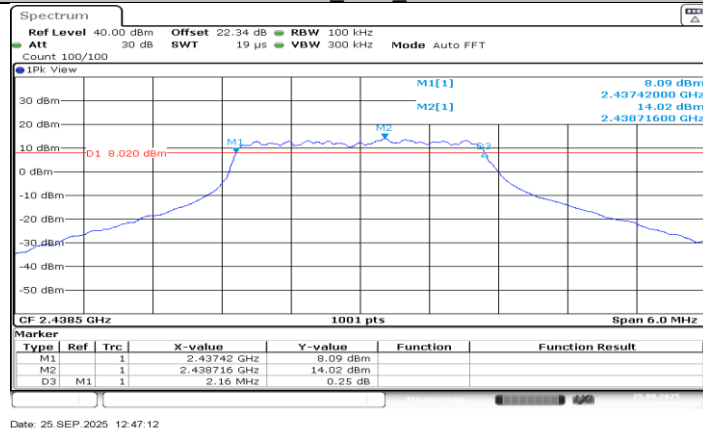
SRD 3M_Ant0_2405.5



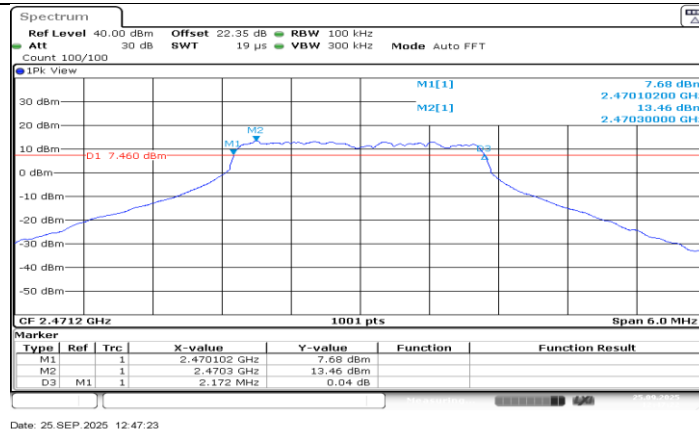
SRD 3M_Ant3_2405.5



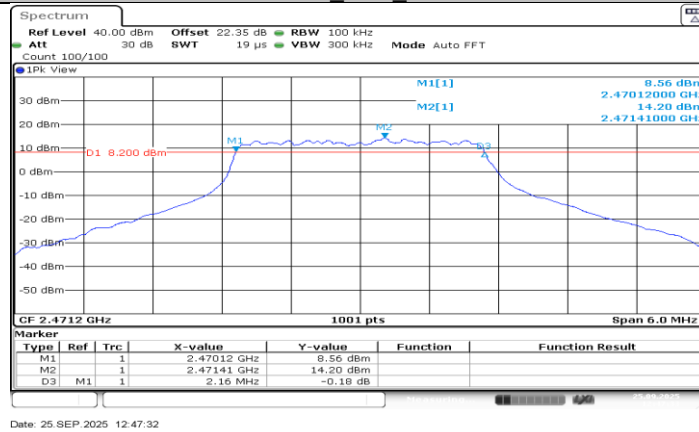
SRD 3M_Ant0_2438.5



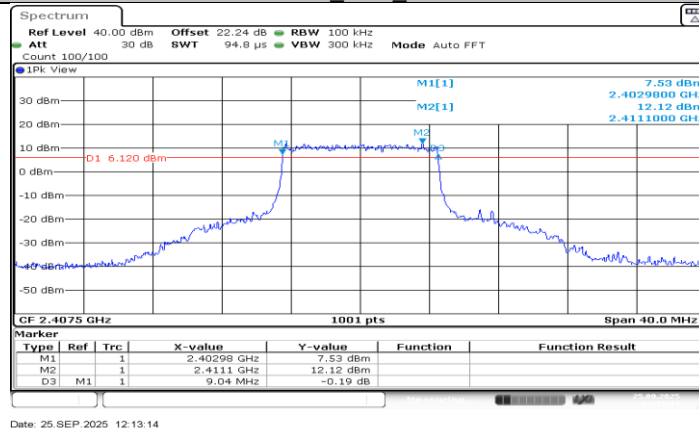
SRD 3M_Ant3_2438.5



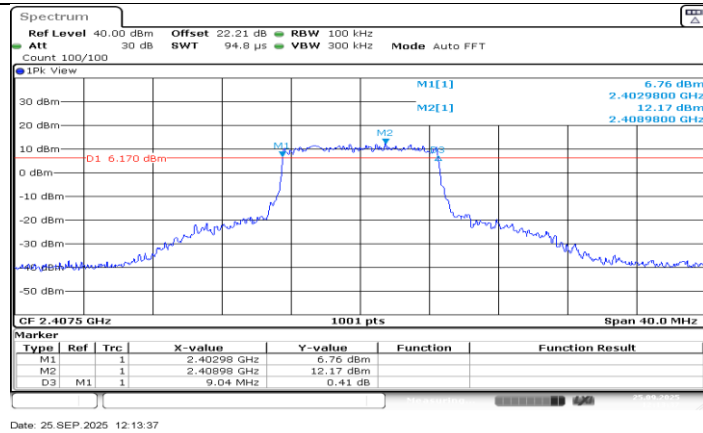
SRD 3M_Ant0_2471.2



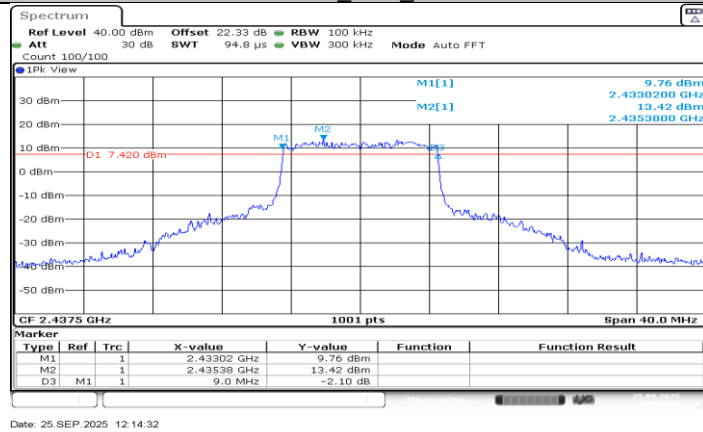
SRD 3M_Ant3_2471.2



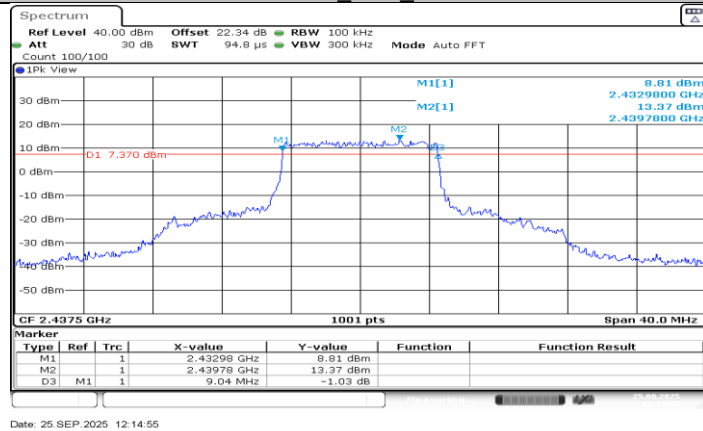
SRD 10M_Ant0_2407.5



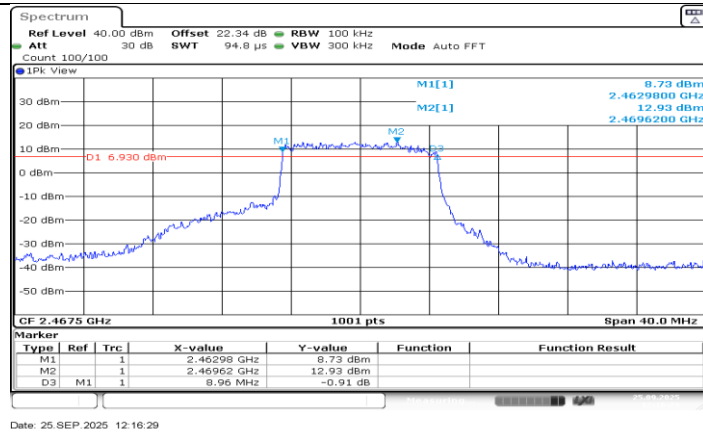
SRD 10M_Ant3_2407.5



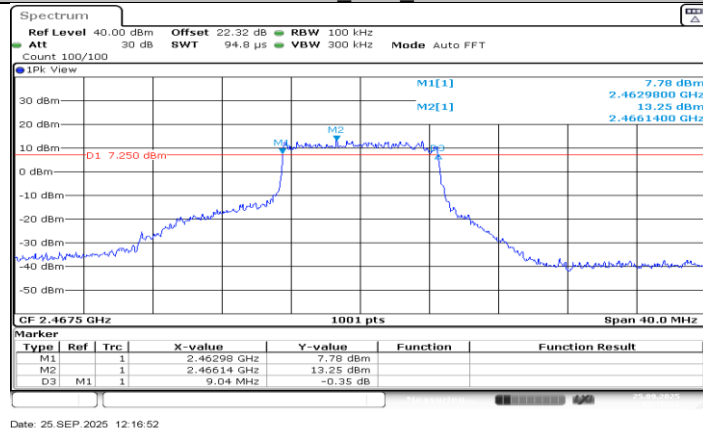
SRD 10M_Ant0_2437.5



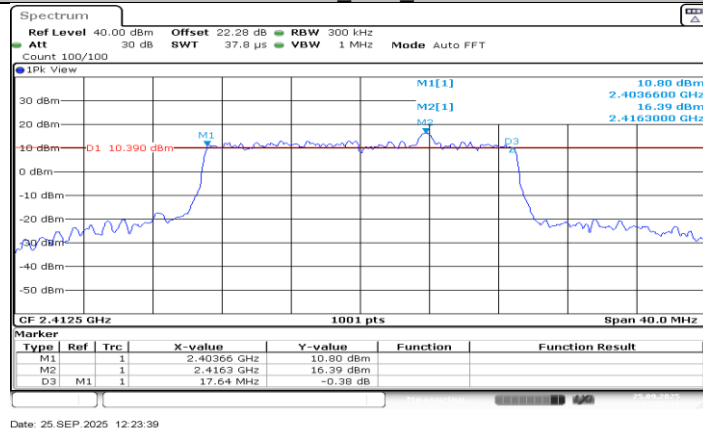
SRD 10M_Ant3_2437.5



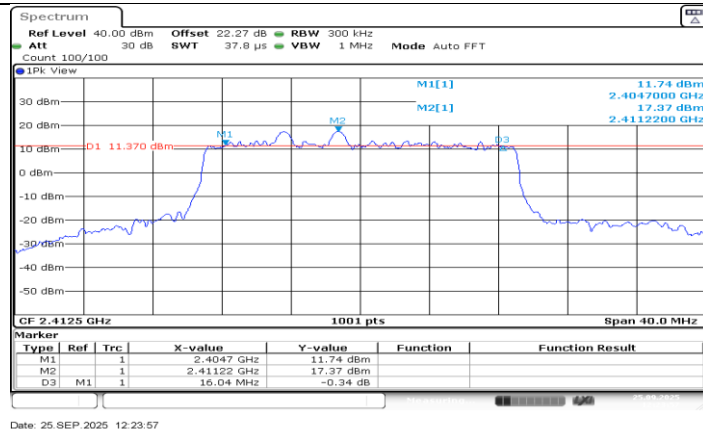
SRD 10M_Ant0_2467.5



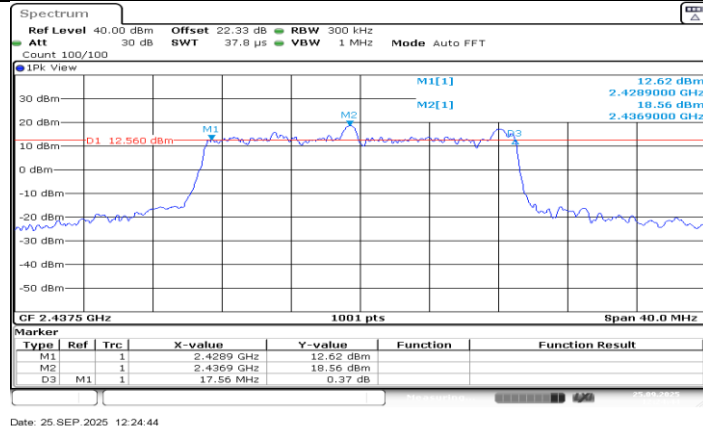
SRD 10M_Ant3_2467.5



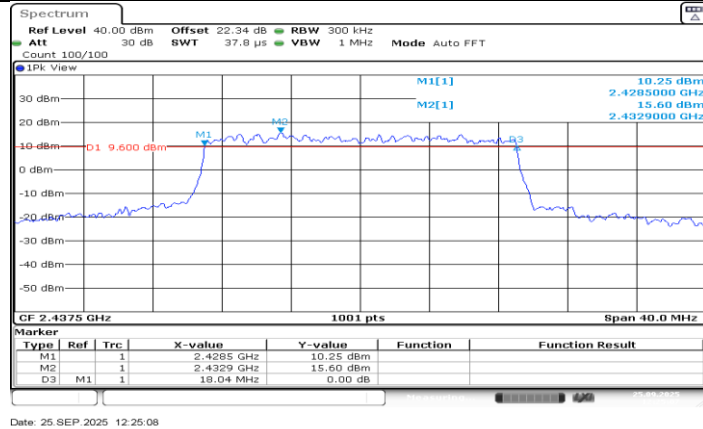
SRD 20M_Ant0_2412.5



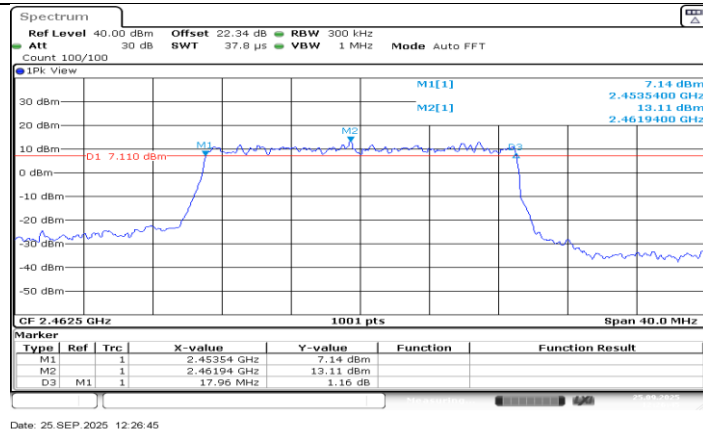
SRD 20M_Ant3_2412.5



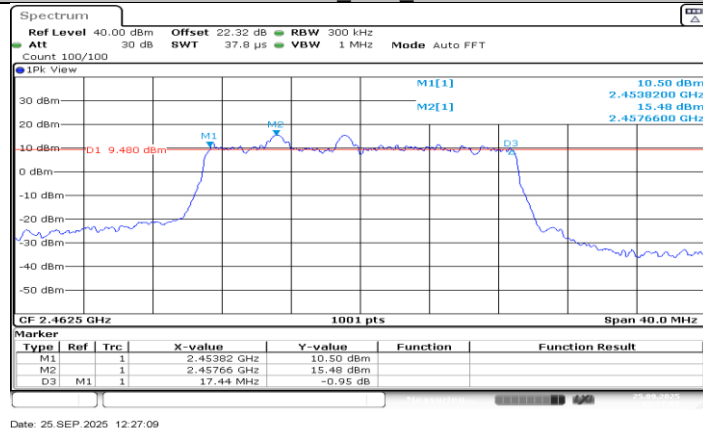
SRD 20M_Ant0_2437.5



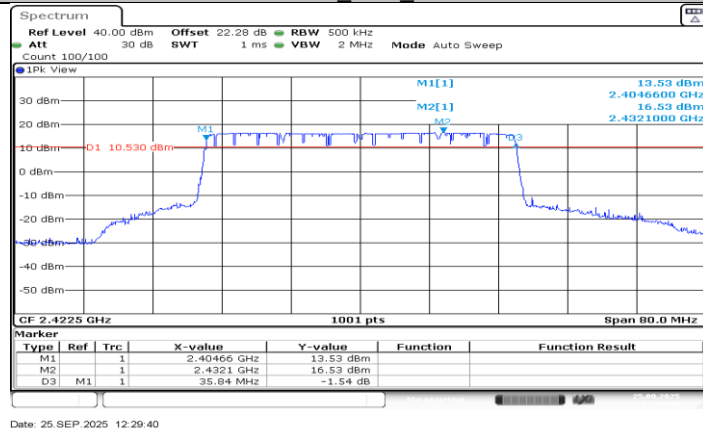
SRD 20M_Ant3_2437.5



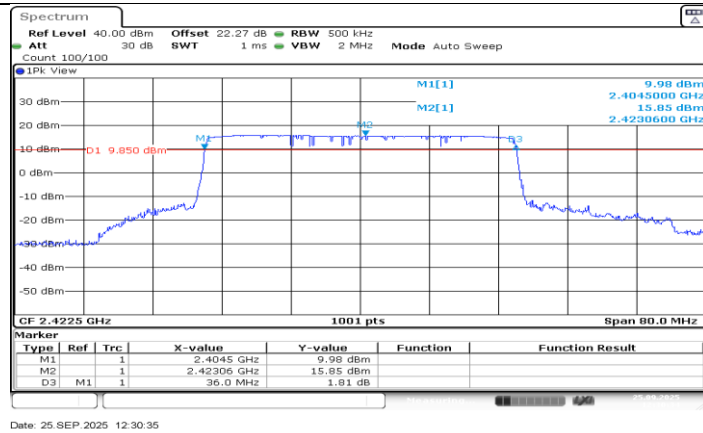
SRD 20M_Ant0_2462.5



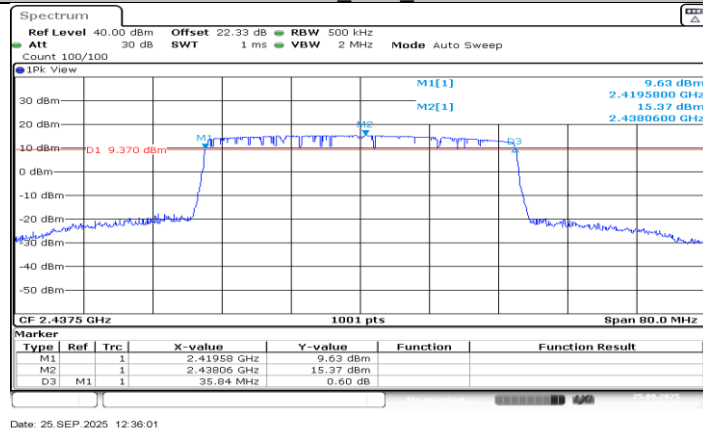
SRD 20M_Ant3_2462.5



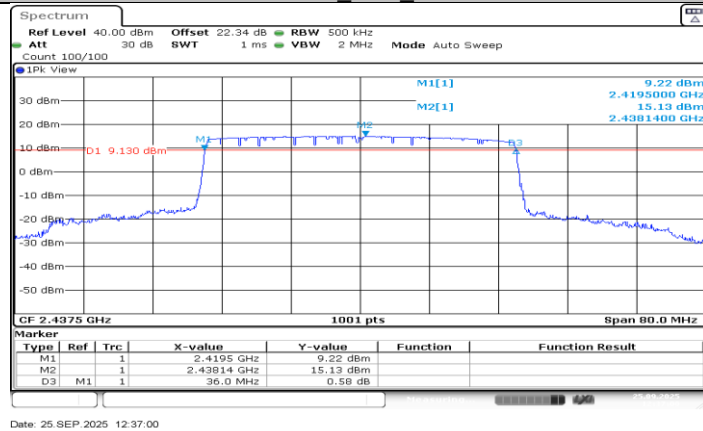
SRD 40M_Ant0_2422.5



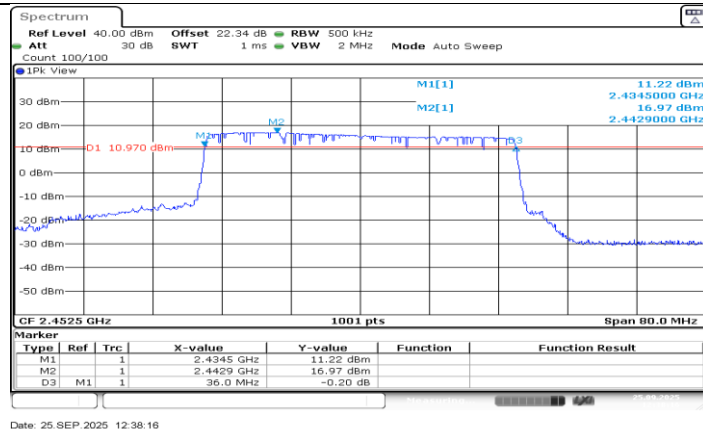
SRD 40M_Ant3_2422.5



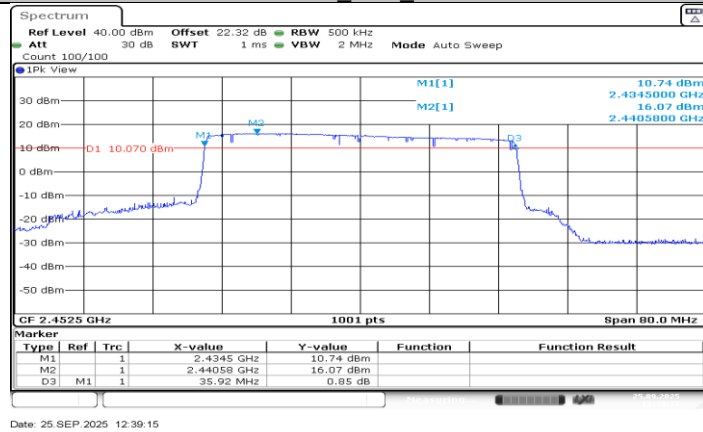
SRD 40M_Ant0_2437.5



SRD 40M_Ant3_2437.5



SRD 40M_Ant0_2452.5



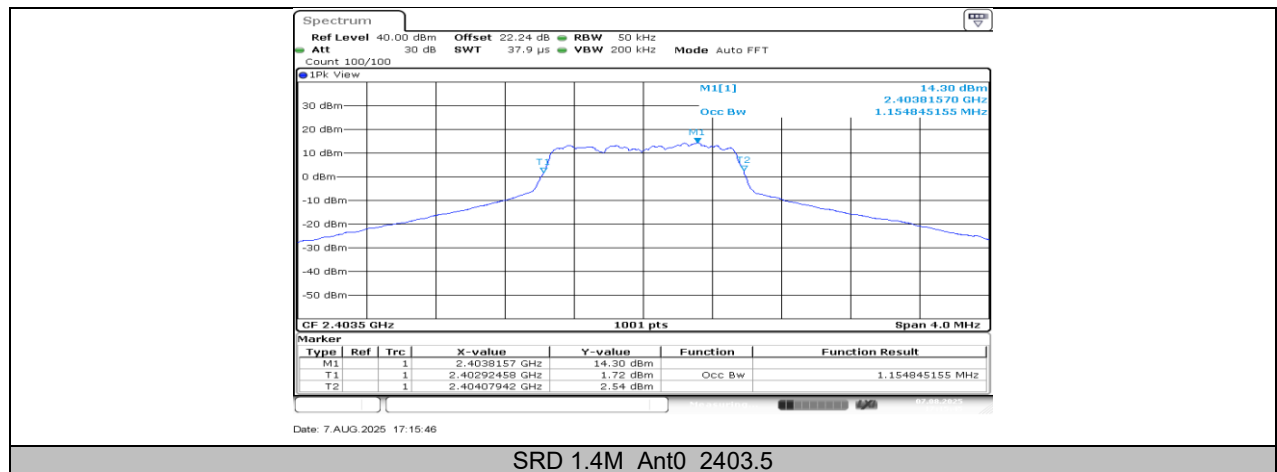
SRD 40M_Ant3_2452.5

10.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

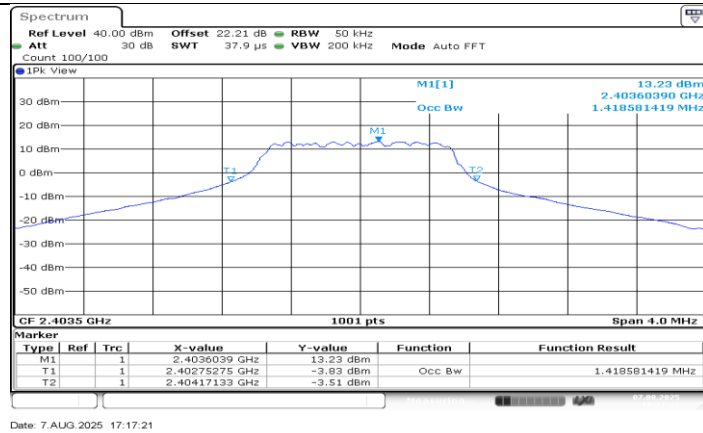
10.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
SRD 1.4M	Ant0	2403.5	1.155	2402.9246	2404.0794	PASS
	Ant3	2403.5	1.419	2402.7527	2404.1713	PASS
	Ant0	2437.5	1.159	2436.9206	2438.0794	PASS
	Ant3	2437.5	1.427	2436.7408	2438.1673	PASS
	Ant0	2471.12	1.155	2470.5406	2471.6954	PASS
	Ant3	2471.12	1.435	2470.3488	2471.7833	PASS
SRD 3M	Ant0	2405.5	2.182	2404.4091	2406.5909	PASS
	Ant3	2405.5	2.182	2404.4211	2406.6029	PASS
	Ant0	2438.5	2.188	2437.4031	2439.5909	PASS
	Ant3	2438.5	2.182	2437.4211	2439.6029	PASS
	Ant0	2471.2	2.182	2470.1031	2472.2849	PASS
	Ant3	2471.2	2.188	2470.1151	2472.3029	PASS
SRD 10M	Ant0	2407.5	8.991	2402.9845	2411.9755	PASS
	Ant3	2407.5	8.951	2403.0245	2411.9755	PASS
	Ant0	2437.5	9.031	2432.9845	2442.0155	PASS
	Ant3	2437.5	9.031	2432.9845	2442.0155	PASS
	Ant0	2467.5	8.991	2462.9845	2471.9755	PASS
	Ant3	2467.5	8.991	2462.9845	2471.9755	PASS
SRD 20M	Ant0	2412.5	17.862	2403.5889	2421.4510	PASS
	Ant3	2412.5	17.782	2403.6289	2421.4111	PASS
	Ant0	2437.5	17.822	2428.6289	2446.4510	PASS
	Ant3	2437.5	17.902	2428.5490	2446.4510	PASS
	Ant0	2462.5	17.862	2453.5889	2471.4510	PASS
	Ant3	2462.5	17.822	2453.5889	2471.4111	PASS
SRD 40M	Ant0	2422.5	36.044	2404.5180	2440.5619	PASS
	Ant3	2422.5	36.124	2404.5180	2440.6419	PASS
	Ant0	2437.5	35.964	2419.5180	2455.4820	PASS
	Ant3	2437.5	35.964	2419.5180	2455.4820	PASS
	Ant0	2452.5	35.964	2434.5180	2470.4820	PASS
	Ant3	2452.5	35.964	2434.4381	2470.4021	PASS

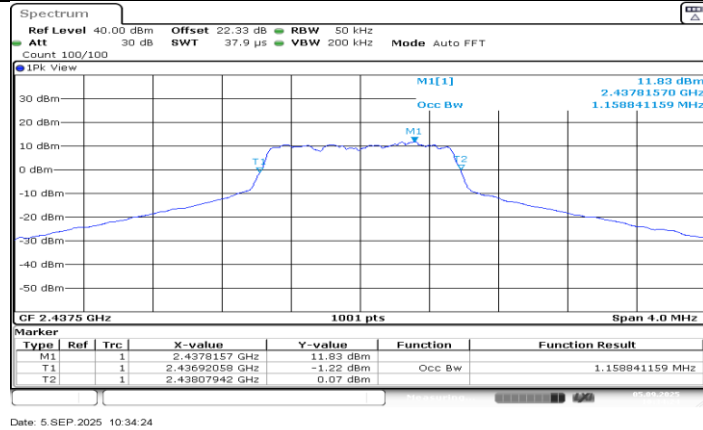
10.2.2. Test Graphs



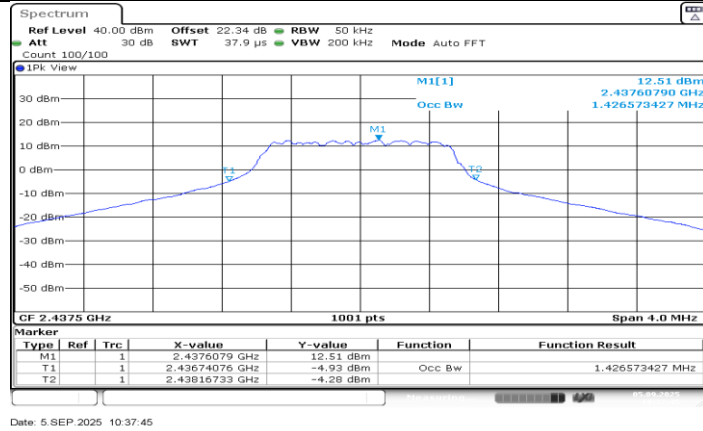
SRD 1.4M_Ant0_2403.5



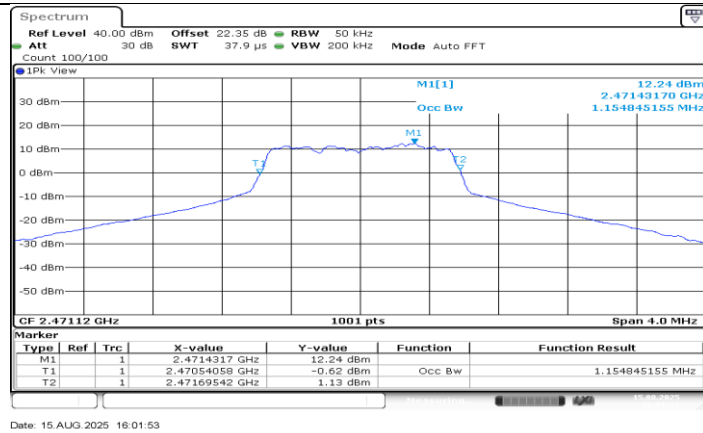
SRD 1.4M_Ant3_2403.5



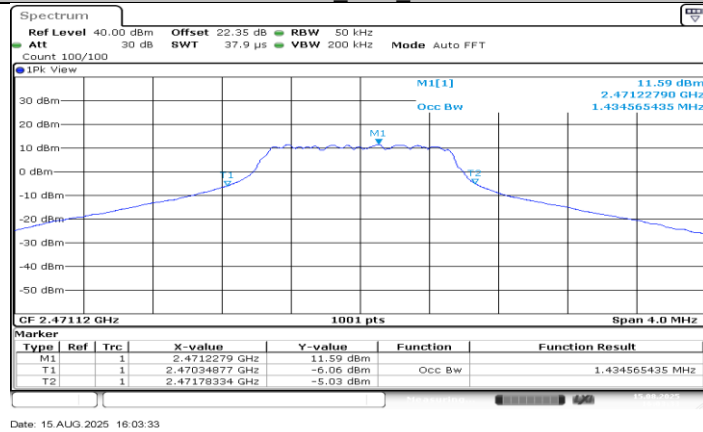
SRD 1.4M_Ant0_2437.5



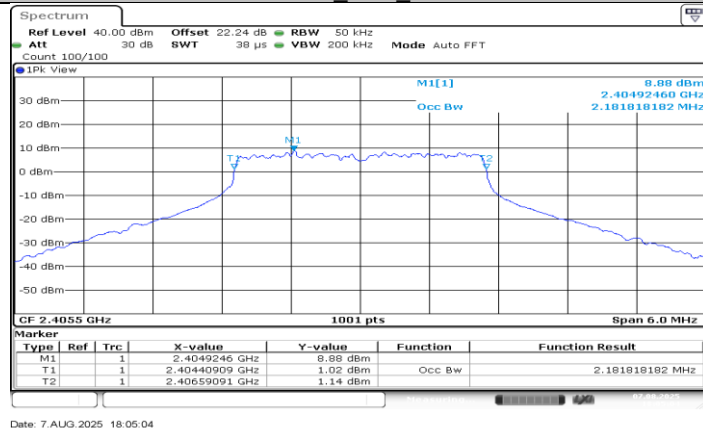
SRD 1.4M_Ant3_2437.5



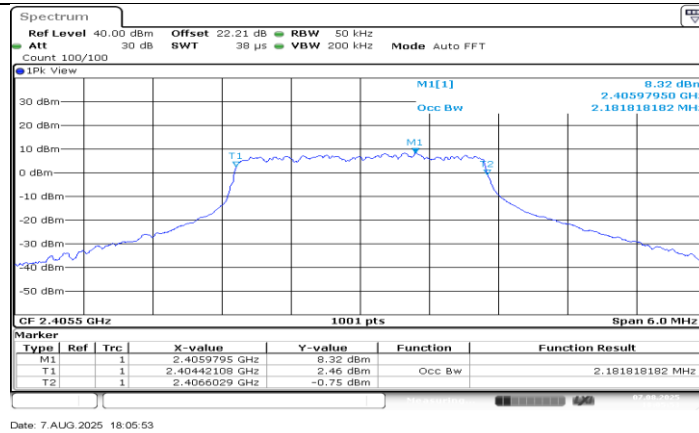
SRD 1.4M_Ant0_2471.12



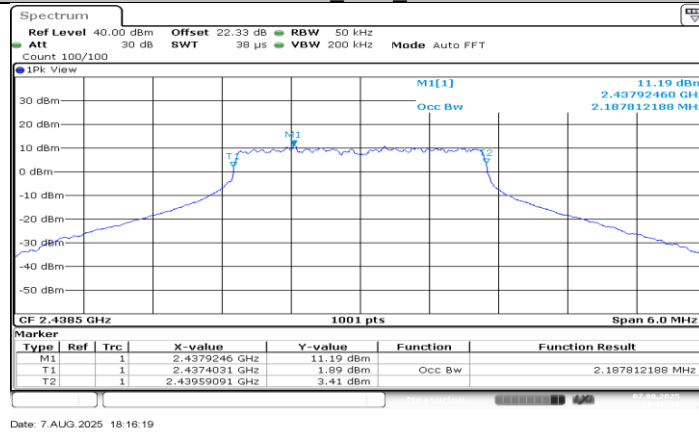
SRD 1.4M_Ant3_2471.12



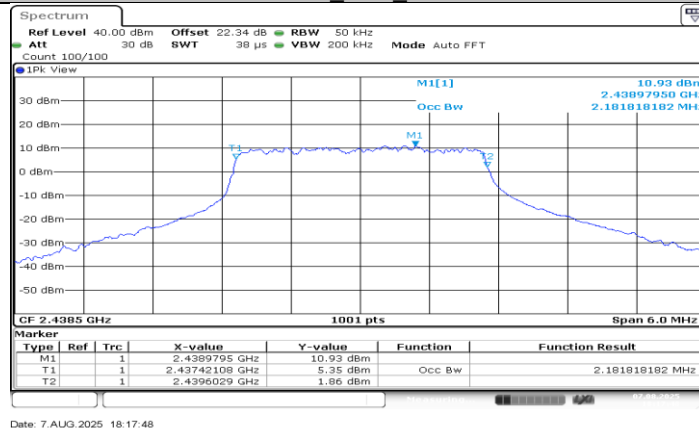
SRD 3M_Ant0_2405.5



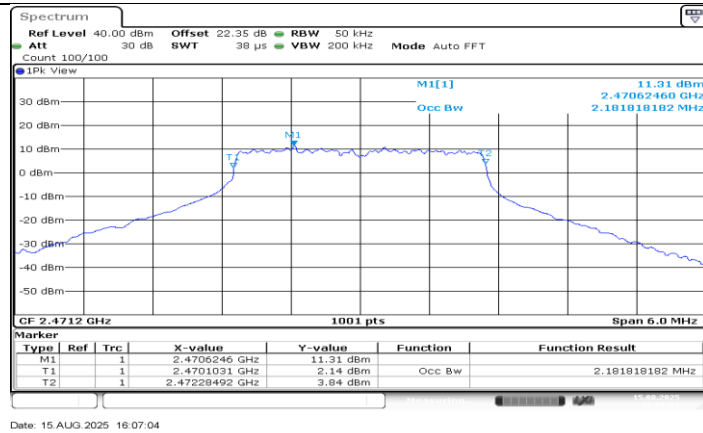
SRD 3M_Ant3_2405.5



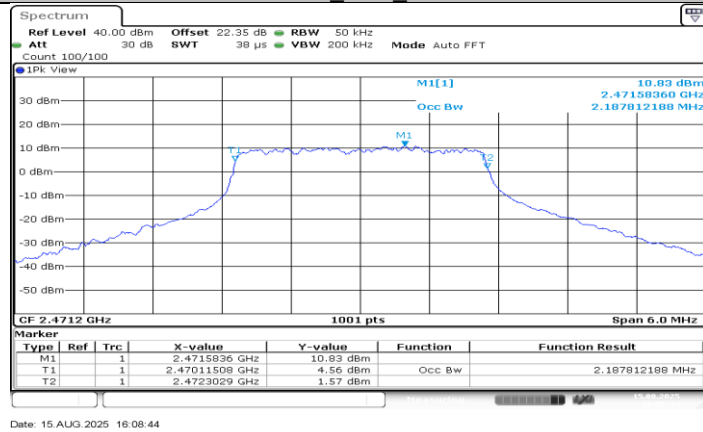
SRD 3M_Ant0_2438.5



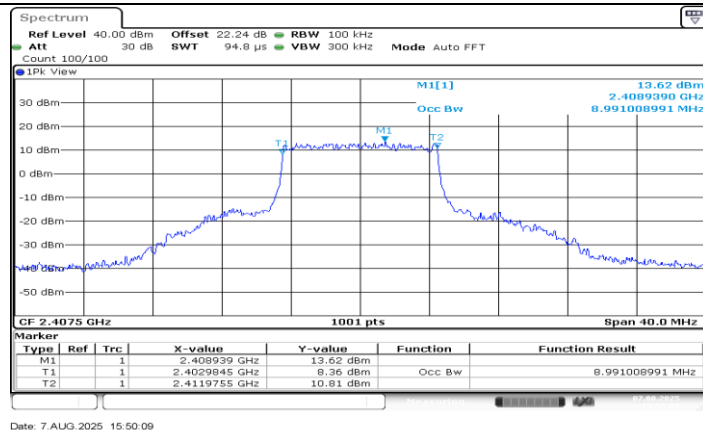
SRD 3M_Ant3_2438.5



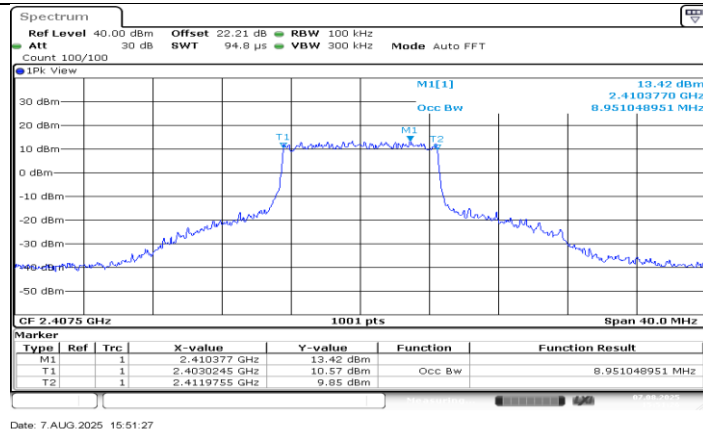
SRD 3M Ant0 2471.2



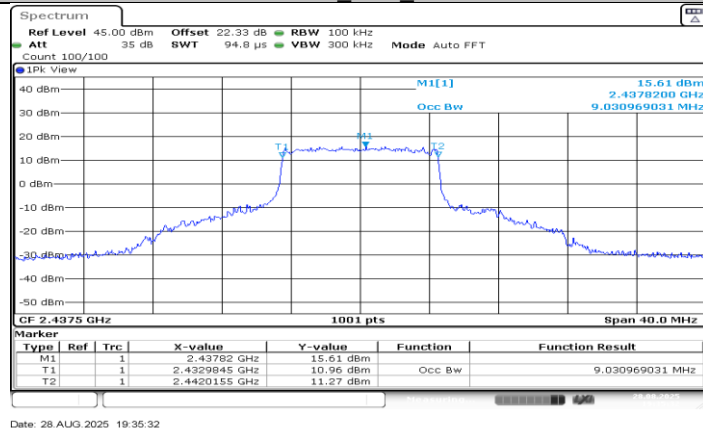
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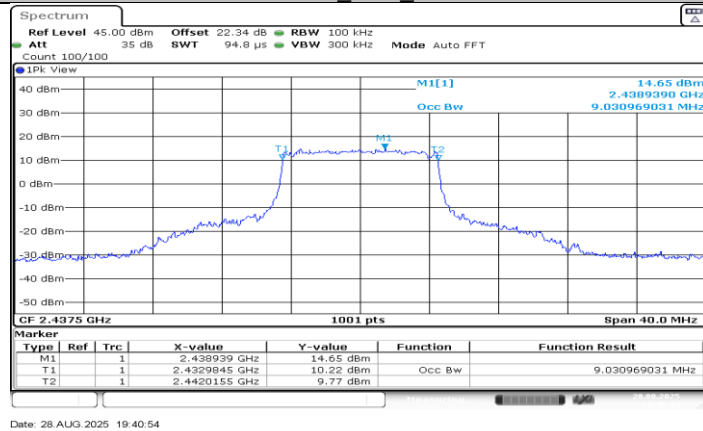
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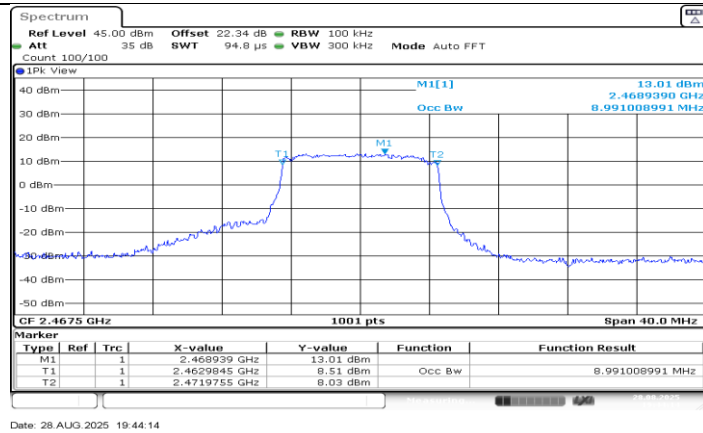
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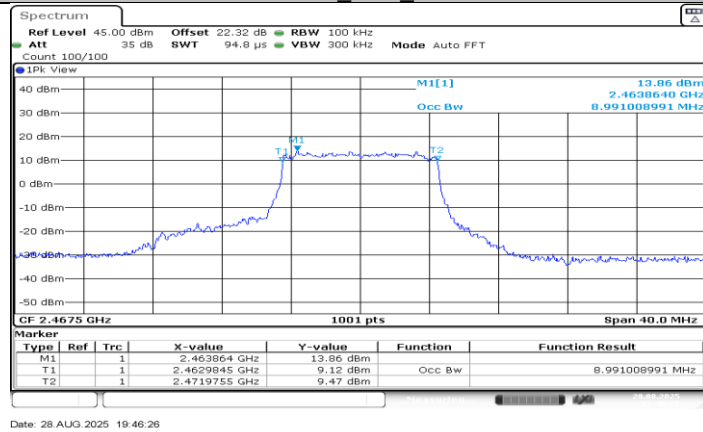
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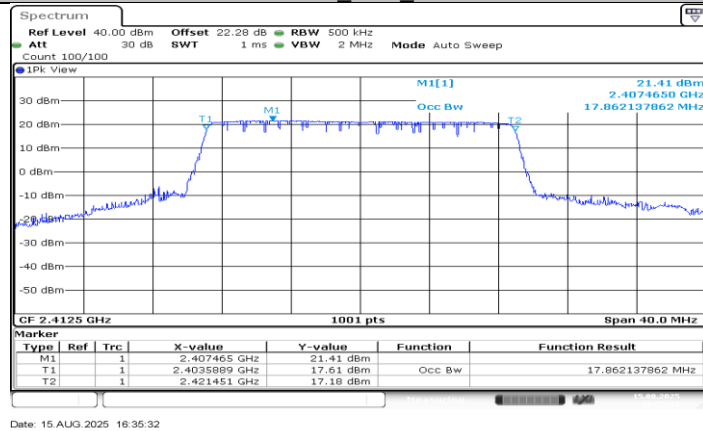
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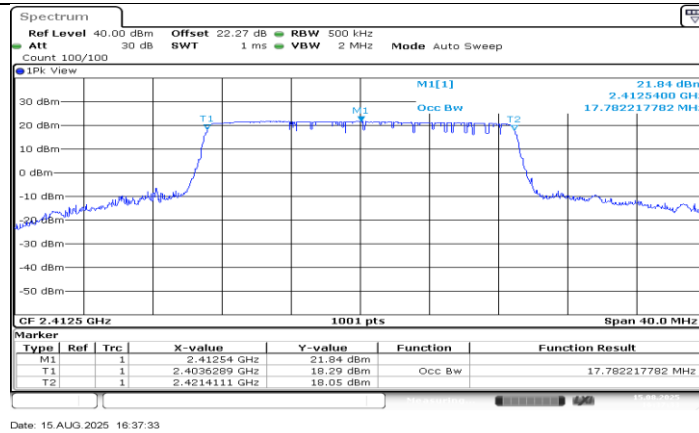
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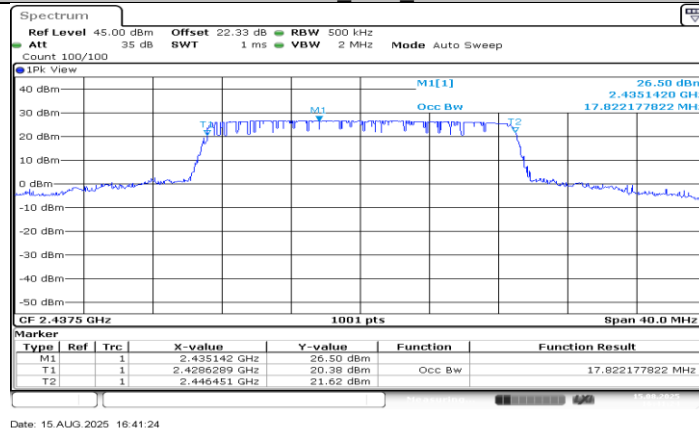
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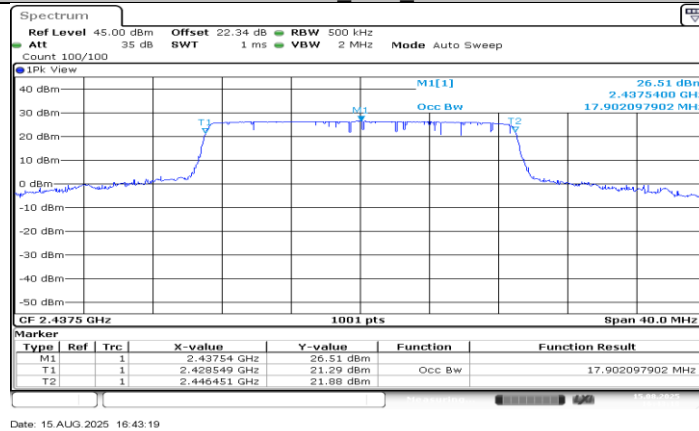
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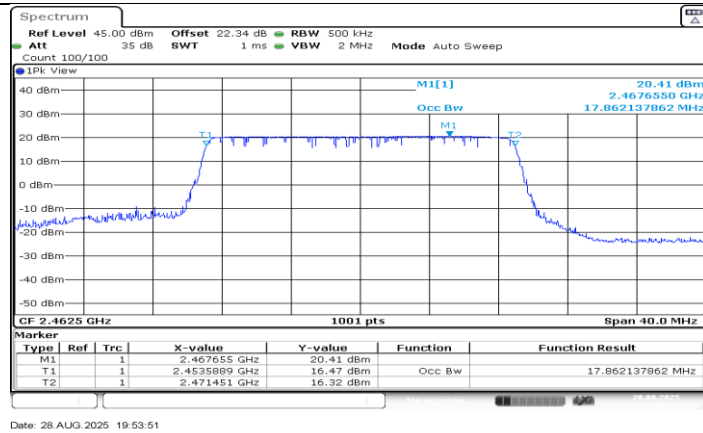
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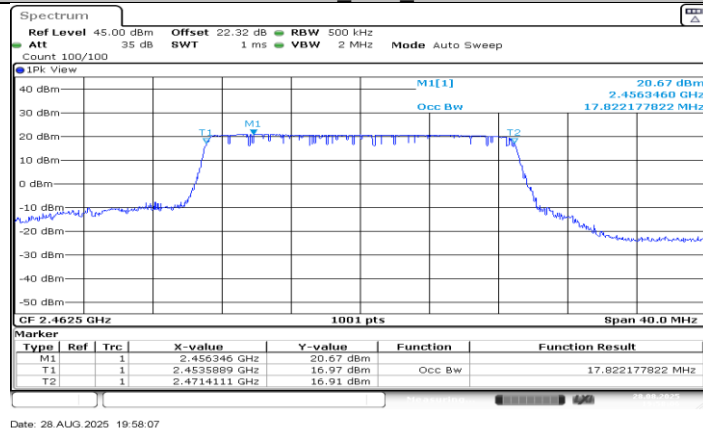
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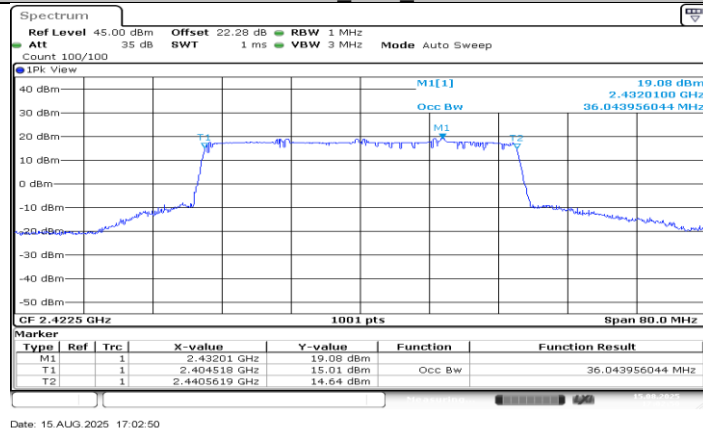
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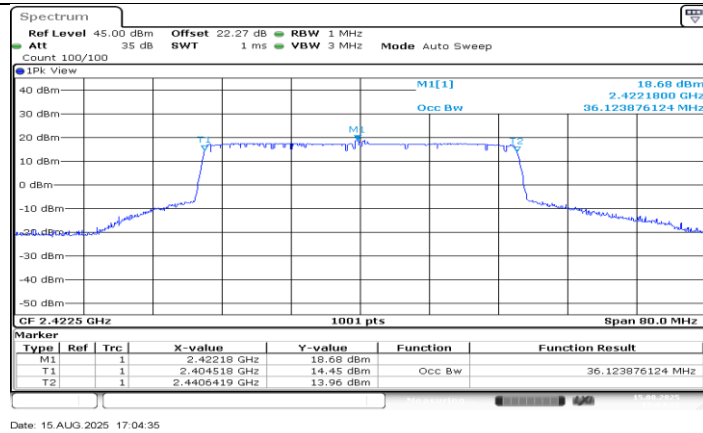
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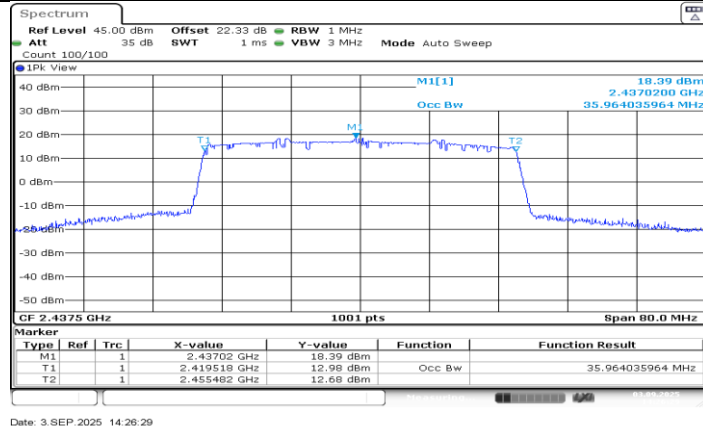
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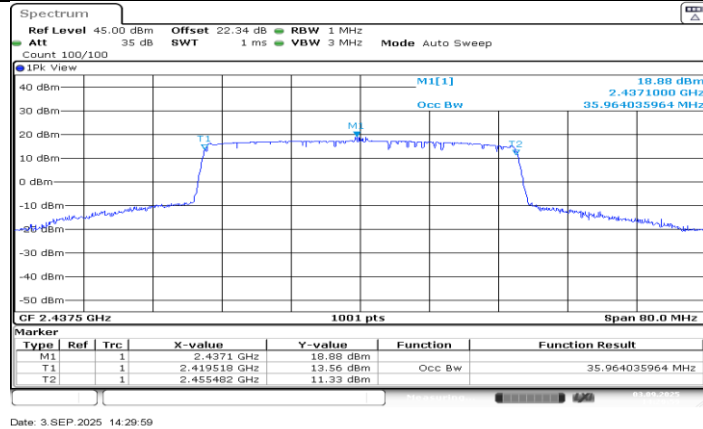
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SRD 40M_Ant3_2422.5



SRD 40M_Ant0_2437.5



SRD 40M_Ant3_2437.5