

CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

DJI AIR 3S

MODEL NUMBER: CZ3SCL

REPORT NUMBER: 4791371445-1-RF-4

ISSUE DATE: September 6, 2024

FCC ID: SS3-CZ3SCL24

Prepared for

SZ DJI TECHNOLOGY CO., LTD.

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Nanshan District, Shenzhen, China**

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	September 6, 2024	Initial Issue	

Summary of Test Results			
Clause	Test Items	FCC Rules	Test Results
1	6dB Bandwidth	FCC Part 15.247 (a) (2)	Pass
2	Average Conducted Output Power	FCC Part 15.247 (b) (3)	Pass
3	Power Spectral Density	FCC Part 15.247 (e)	Pass
4	Conducted Bandedge and Spurious Emission	FCC Part 15.247 (d)	Pass
5	Radiated Bandedge and Spurious Emission	FCC Part 15.247 (d) FCC Part 15.209 FCC Part 15.205	Pass
6	Conducted Emission Test for AC Power Port	FCC Part 15.207	Pass
7	Antenna Requirement	FCC Part 15.203	Pass
Note: 1. This test report is only published to and used by the applicant, and it is not for evidence purpose in China. 2. The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 15 SUBPART C > when <Simple Acceptance> decision rule is applied.			

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1. ATTESTATION OF TEST RESULTS

Applicant Information

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

Manufacturer Information

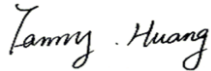
Company Name: SZ DJI TECHNOLOGY CO., LTD.
Address: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili
Community, Xili Street, Nanshan District, Shenzhen, China

EUT Information

EUT Name: DJI AIR 3S
Model: CZ3SCL
Sample Received Date: June 19, 2024
Sample Status: Normal
Sample ID: 7328369
Date of Tested: June 19, 2024 to September 6, 2024

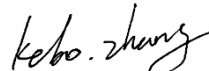
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	PASS

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 558074 D01 15.247 Meas Guidance v05r02, 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01, CFR 47 FCC Part 2, CFR 47 FCC Part 15, ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: G-20192, C-20153, T-20155 and R-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 D, the VCCI registration No. is G-20192 and R-20202 Shielding Room B, the VCCI registration No. is C-20153 and T-20155
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Note 1:

All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of 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 AIR 3S
Model	CZ3SCL
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)
Supply Voltage	DC 14.6 V

5.2. MAXIMUM OUTPUT 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]	29.03
20 MHz Mode	2412.5 MHz ~ 2462.5 MHz	1-51[51]	29.07
40 MHz Mode	2422.5 MHz ~ 2452.5 MHz	1-31[31]	27.54
60 MHz Mode	2432.5 MHz ~ 2442.5 MHz	1-11[11]	27.51

5.3. 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	/	/

5.4. TEST CHANNEL CONFIGURATION

SRD 2.4G	Test Channel Number	Frequency
10 MHz Mode	CH 1(Low Channel), CH 31(MID Channel), CH59, CH60, CH 61(High Channel)	2407.5 MHz, 2437.5 MHz, 2465.5 MHz, 2466.5 MHz, 2467.5 MHz
20 MHz Mode	CH 1(Low Channel), CH3, CH5, CH 26(MID Channel), CH42, CH45, CH47, CH 51(High Channel)	2412.5 MHz, 2414.5 MHz, 2416.5 MHz, 2437.5 MHz, 2453.5 MHz, 2456.5 MHz, 2458.5 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
60 MHz Mode	CH 1(Low Channel), CH5, CH 6(MID Channel), CH 11(High Channel)	2432.5 MHz, 2436.5 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		DjiSdrConsole
Modulation Mode	Transmit Antenna Number	Test Software setting value
		NCB: 10 MHz/20 MHz/40 MHz/60 MHz
		All Channels
All	All	Default

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	Maximum Antenna Gain (dBi)
0	2400 ~ 2483.5	Omni Antenna	1.5
1	2400 ~ 2483.5	Omni Antenna	1.5
2	2400 ~ 2483.5	Omni Antenna	1
3	2400 ~ 2483.5	Omni Antenna	1
4	2400 ~ 2483.5	Omni Antenna	1
5	2400 ~ 2483.5	Omni Antenna	1

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

For output power measurements:

Directional gain= $G_{ANT} + \text{Array Gain} = 1.5 \text{ dBi}$

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

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

For power spectral density (PSD) measurements:

Directional gain= $G_{ANT} + \text{Array Gain} = 1.5 \text{ dBi}$

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

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

Test Mode	Transmit and Receive Mode	Description
10 MHz Mode	☒ 2TX, 6RX	ANT 0,1 / 0,3 / 0,5/ 2,1 / 2,3/ 2,5/ 4,1/ 4,3/ 4,5 can be used as transmitting antenna. ANT 0,1, 2, 3, 4, 5 can be used as receiving antenna.
20 MHz Mode	☒ 2TX, 6RX	ANT 0,1 / 0,3 / 0,5/ 2,1 / 2,3/ 2,5/ 4,1/ 4,3/ 4,5 can be used as transmitting antenna. ANT 0,1, 2, 3, 4, 5 can be used as receiving antenna.
40 MHz Mode	☒ 2TX, 6RX	ANT 0,1 / 0,3 / 0,5/ 2,1 / 2,3/ 2,5/ 4,1/ 4,3/ 4,5 can be used as transmitting antenna. ANT 0,1, 2, 3, 4, 5 can be used as receiving antenna.
60 MHz Mode	☒ 2TX, 6RX	ANT 0,1 / 0,3 / 0,5/ 2,1 / 2,3/ 2,5/ 4,1/ 4,3/ 4,5 can be used as transmitting antenna. ANT 0,1, 2, 3, 4, 5 can be used as receiving antenna.

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

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

5.7. THE WORSE 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 declared by the customer:

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

The EUT has 6 separate antennas which correspond to 6 separate antenna ports, core ANT 0, core ANT 1, core ANT 2, core ANT 3, core ANT 4, core ANT 5 correspond to antenna 0, antenna 1, antenna 2, antenna 3, antenna 4, antenna 5 respectively, the EUT only support 2TX6RX mode, antenna 0 and antenna 1/ antenna 0 and antenna 3/ antenna 0 and antenna 5/ antenna 2 and antenna 1/ antenna 2 and antenna 3/ antenna 2 and antenna 5/ antenna 4 and antenna 1/ antenna 4 and antenna 3/ antenna 4 and antenna 5 used as transmit antennas and all the 6 antennas can use as receive antennas, all the transmit combination(ANT0 and ANT1 / ANT0 and ANT3 / ANT0 and ANT5 / ANT2 and ANT1 / ANT2 and ANT3 / ANT2 and ANT5 / ANT4 and ANT1 / ANT4 and ANT3 / ANT4 and ANT5) had been tested, but only the worst data was 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.

5.8. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	E42-80	/
2	Adapter Power	DJI	PD-65CN	Input: AC 100 ~ 240 V, 50/60 Hz, 2.0 A Output: DC 5 V, 5 A

I/O CABLES

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

ACCESSORIES

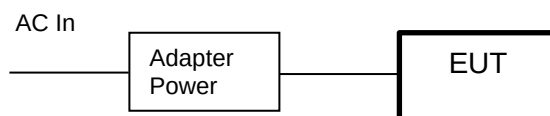
Item	Accessory	Brand Name	Model Name	Description
/	/	/	/	/

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	Mar.25,2024	Mar.24,2025
Vector Signal Generator	R&S	SMBV100A	261637	Oct.12, 2023	Oct.11, 2024
Signal Generator	R&S	SMB100A	178553	Oct.12, 2023	Oct.11, 2024
Signal Analyzer	R&S	FSV40	101118	Oct.12, 2023	Oct.11, 2024
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
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Oct.12, 2023	Oct.11, 2024
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Oct.12, 2023	Oct.11, 2024
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Oct.12, 2023	Oct.11, 2024
Attenuator	Aglient	8495B	2814a12853	Oct.12, 2023	Oct.11, 2024
RF Control Unit	Tonscend	JS0806-2	23B80620666	Mar.25,2024	Mar.24,2025
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	Oct.13, 2023	Oct.12, 2024
Two-Line V-Network	R&S	ENV216	101983	Oct.13, 2023	Oct.12, 2024
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Oct.13, 2023	Oct.12, 2024
Software					
Description			Manufacturer	Name	Version
Test Software for Conducted Emissions			Farad	EZ-EMC	Ver. UL-3A1

Radiated Emissions						
Equipment	Manufacturer	Model No.	Serial No.	Upper Last Cal.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	/	Oct.12, 2023	Oct.11, 2024
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Aug.02, 2021	June 28, 2024	June 27, 2027
Preamplifier	HP	8447D	2944A09099	/	Oct.12, 2023	Oct.11, 2024
EMI Measurement Receiver	R&S	ESR26	101377	/	Oct.12, 2023	Oct.11, 2024
Horn Antenna	TDK	HRN-0118	130939	/	Apr.29, 2022	Apr.28, 2025
Preamplifier	TDK	PA-02-0118	TRS-305-00067	/	Oct.12, 2023	Oct.11, 2024
Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	June 30, 2024	June 29, 2027
Preamplifier	TDK	PA-02-2	TRS-307-00003	/	Oct.12, 2023	Oct.11, 2024
Preamplifier	TDK	PA-02-3	TRS-308-00002	/	Oct.12, 2023	Oct.11, 2024
Loop antenna	Schwarzbeck	1519B	00008	/	Dec.14, 2021	Dec.13, 2024
Preamplifier	TDK	PA-02-001-3000	TRS-302-00050	/	Oct.12, 2023	Oct.11, 2024
High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	/	Oct.12, 2023	Oct.11, 2024
Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	/	Oct.12, 2023	Oct.11, 2024

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.21, 2023	Oct.20, 2024
Barometer	Yiyi	Baro	N/A	Oct.19, 2023	Oct.18, 2024
Attenuator	Agilent	8495B	2814a12853	Oct.12, 2023	Oct.11, 2024

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)	Average Output Power	1 watt or 30 dBm	2400-2483.5

TEST PROCEDURE

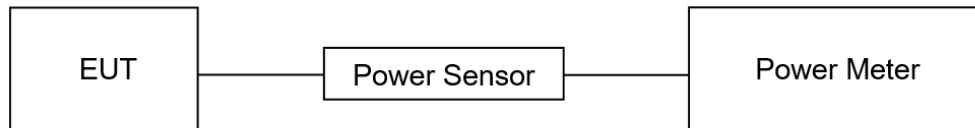
Refer to ANSI C63.10-2013 clause 11.9.2.3.1.

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

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

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

TEST SETUP



TEST ENVIRONMENT

Temperature	25.3°C	Relative Humidity	57.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.6 V

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

TEST PROCEDURE

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

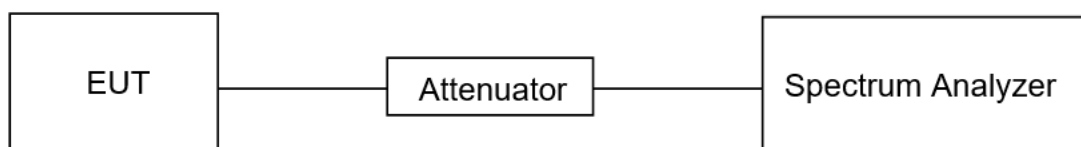
Connect the EUT to the spectrum analyzer and use the following settings:

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

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

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

TEST SETUP



TEST ENVIRONMENT

Temperature	25.3°C	Relative Humidity	57.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.6 V

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 11.10.3.

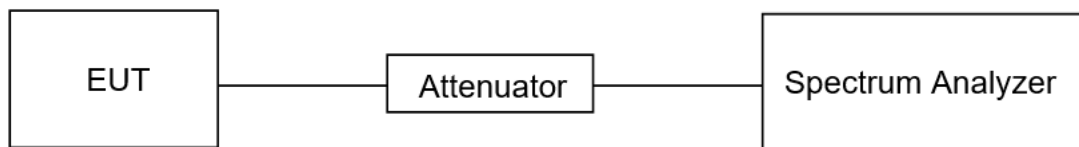
Connect the EUT to the spectrum analyzer and use the following settings:

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	Average or Peak
Sweep time	Auto couple

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

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

TEST SETUP



TEST ENVIRONMENT

Temperature	25.3°C	Relative Humidity	57.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.6 V

TEST RESULTS

Please refer to section "Test Data" - Appendix D

7.4. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

LIMITS

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

TEST PROCEDURE

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

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

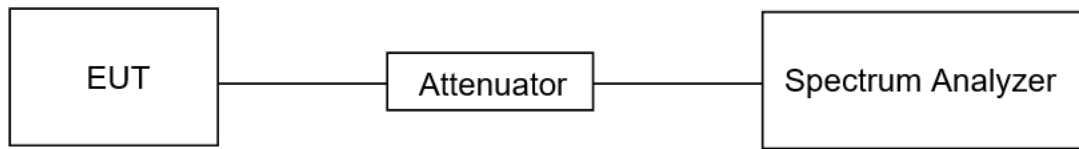
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	$1.5 \times \text{DTS bandwidth}$
Trace	Max hold
Sweep time	Auto couple.

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

Change the settings for emission level measurement:

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

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

TEST SETUP**TEST ENVIRONMENT**

Temperature	25.3°C	Relative Humidity	57.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.6 V

TEST RESULTS

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

7.5. DUTY CYCLE

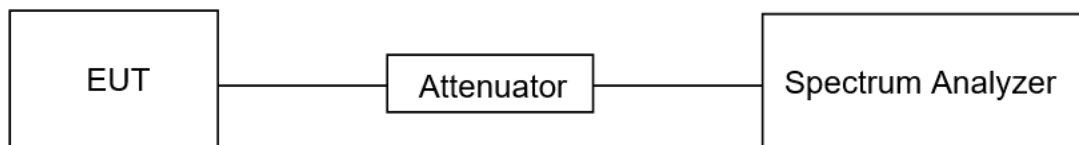
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

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

TEST SETUP



TEST ENVIRONMENT

Temperature	25.3℃	Relative Humidity	57.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 14.6 V

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 C63.10-2013 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.

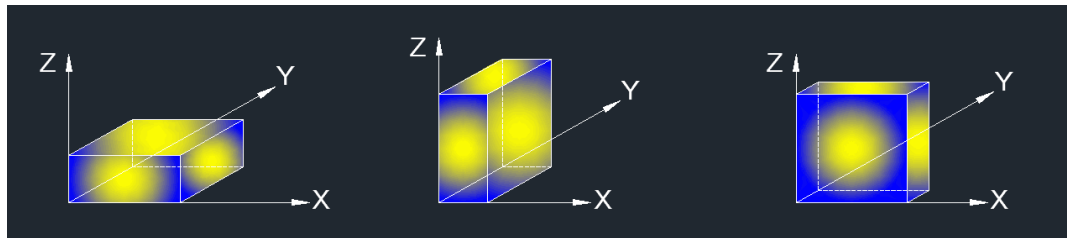
Above 1 GHz

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. Peak: Peak detector.
4. AVG: $VBW=1/T_{on}$, where: T_{on} is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. 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, channels and antennas have been tested, 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, channels and antennas have been tested, only the worst data was recorded in the report.

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

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

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: $VBW=1/T_{on}$, where: T_{on} is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

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

Note:

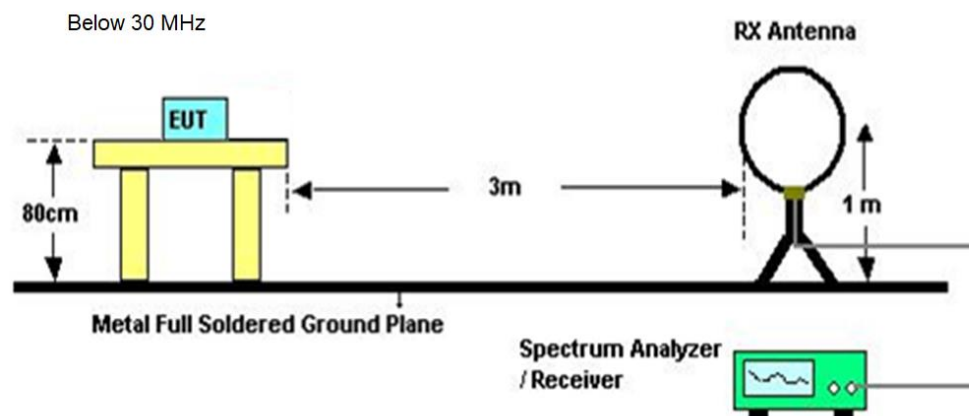
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: $VBW=1/T_{on}$, where: T_{on} is the transmitting duration.
5. For the transmitting duration,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

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

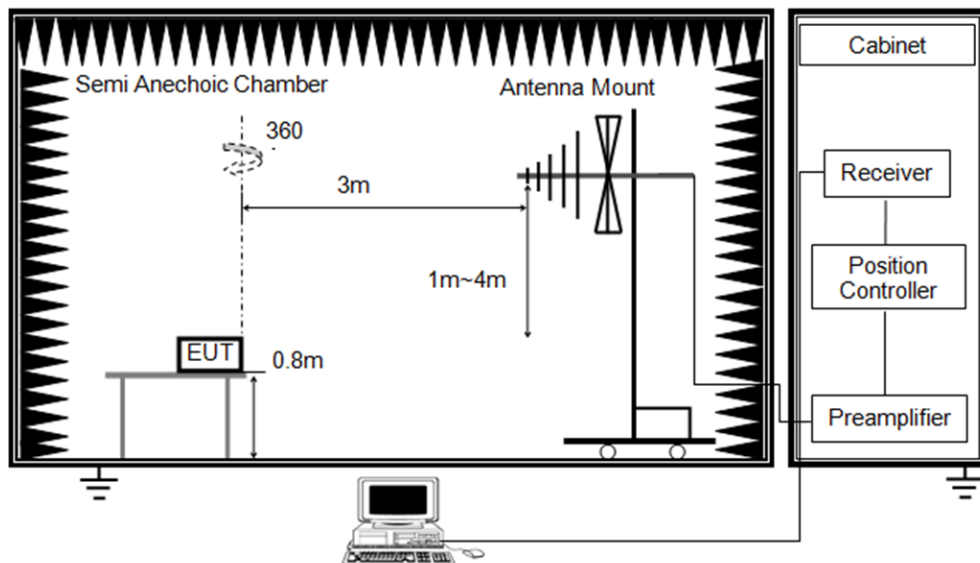
Note:

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

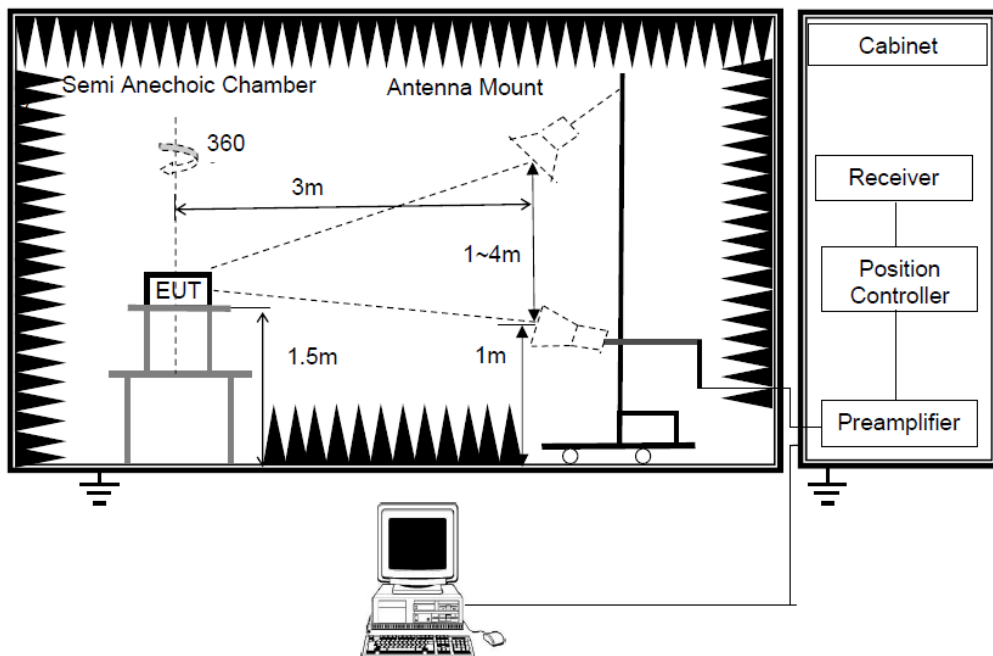
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1GHz



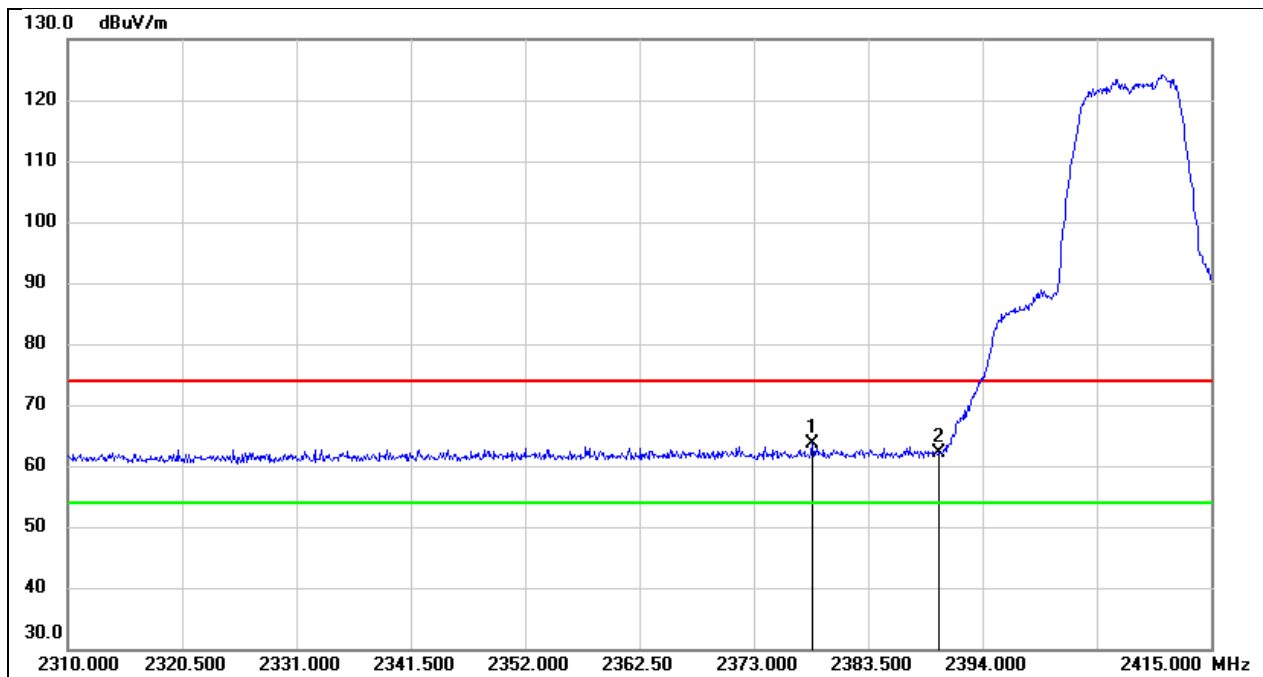
TEST ENVIRONMENT

Temperature	20.7℃	Relative Humidity	58.6%
Atmosphere Pressure	101kPa	Test Voltage	

TEST RESULTS

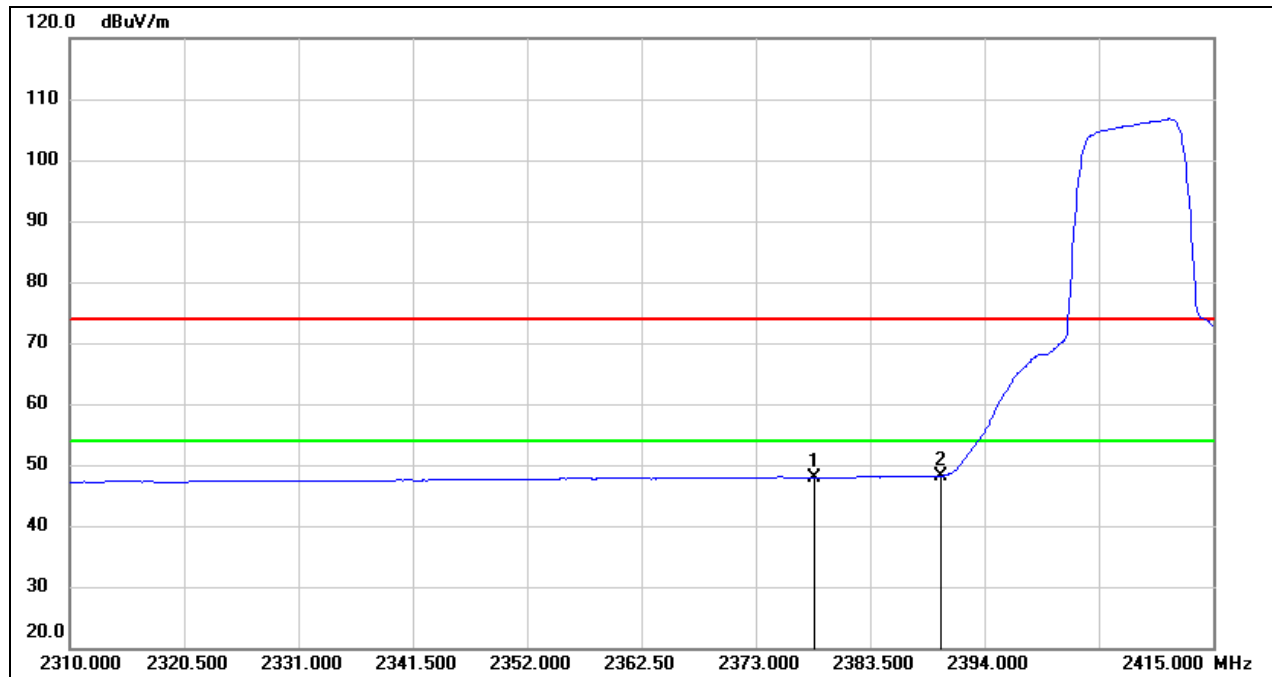
8.1. RESTRICTED BANDEDGE

Test Mode:	SRD 10MHz PK	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



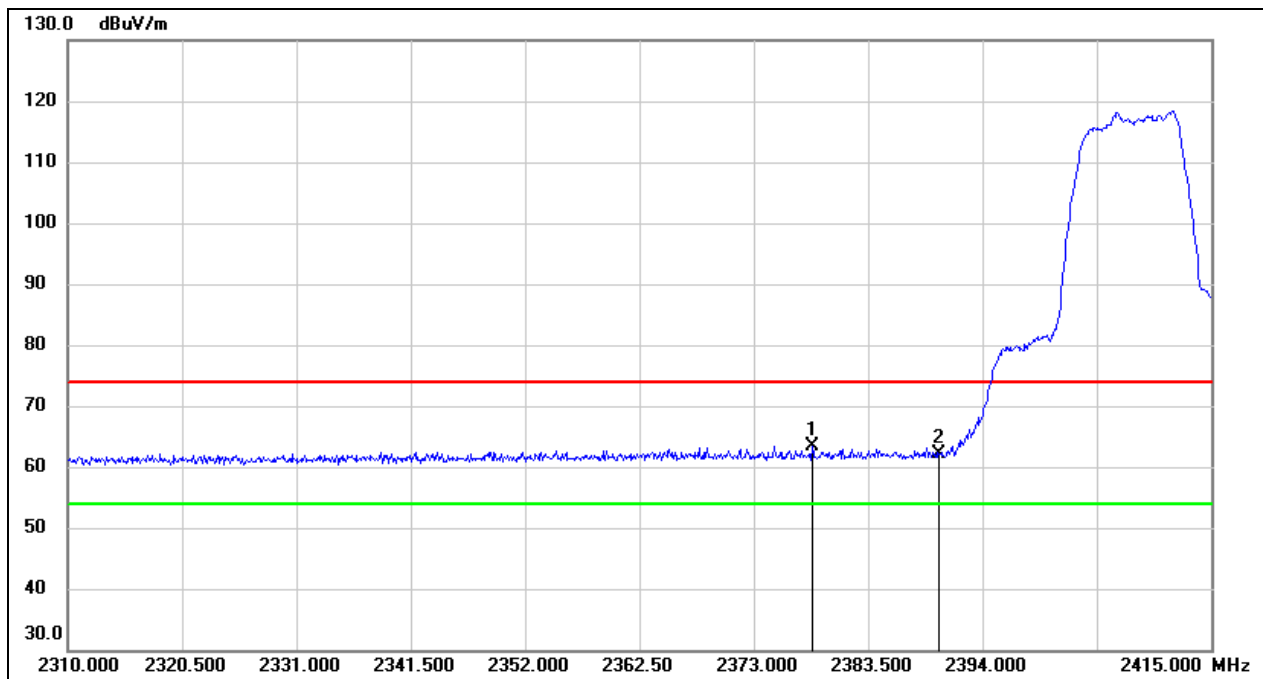
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.355	30.67	32.86	63.53	74.00	-10.47	peak
2	2390.000	29.11	32.92	62.03	74.00	-11.97	peak

Test Mode:	SRD 10MHz AV	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



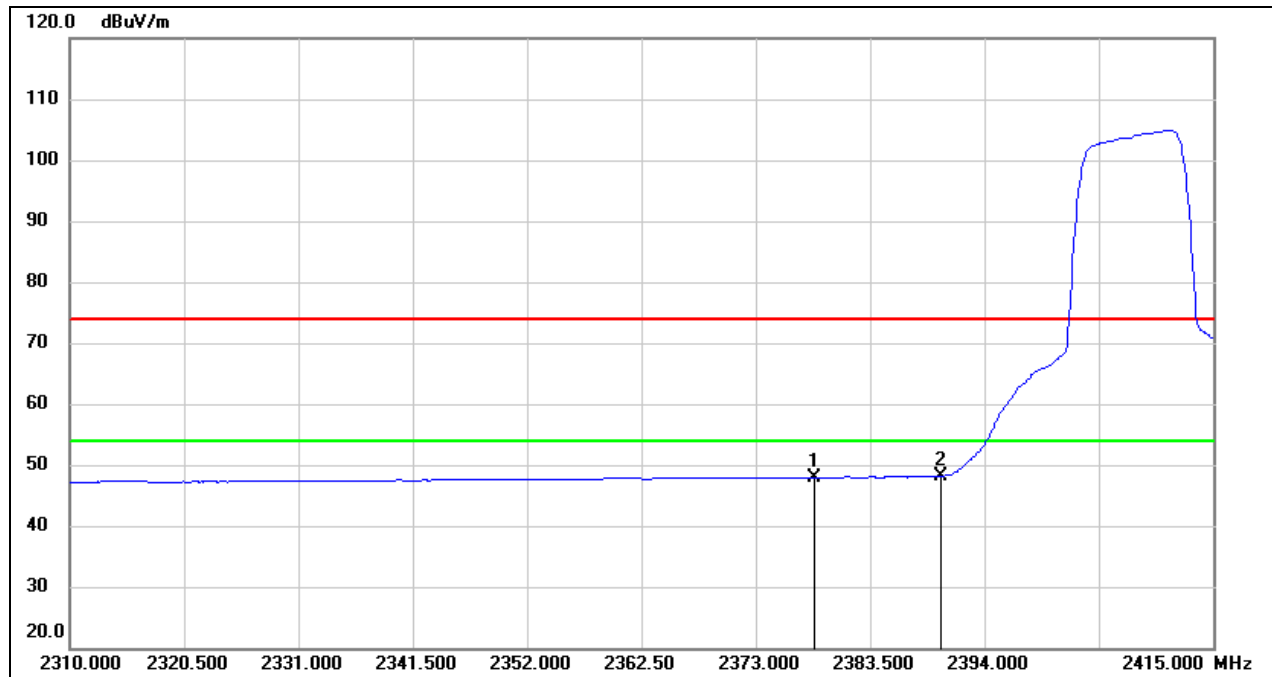
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.355	15.09	32.86	47.95	54.00	-6.05	AVG
2	2390.000	15.26	32.92	48.18	54.00	-5.82	AVG

Test Mode:	SRD 10MHz PK	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



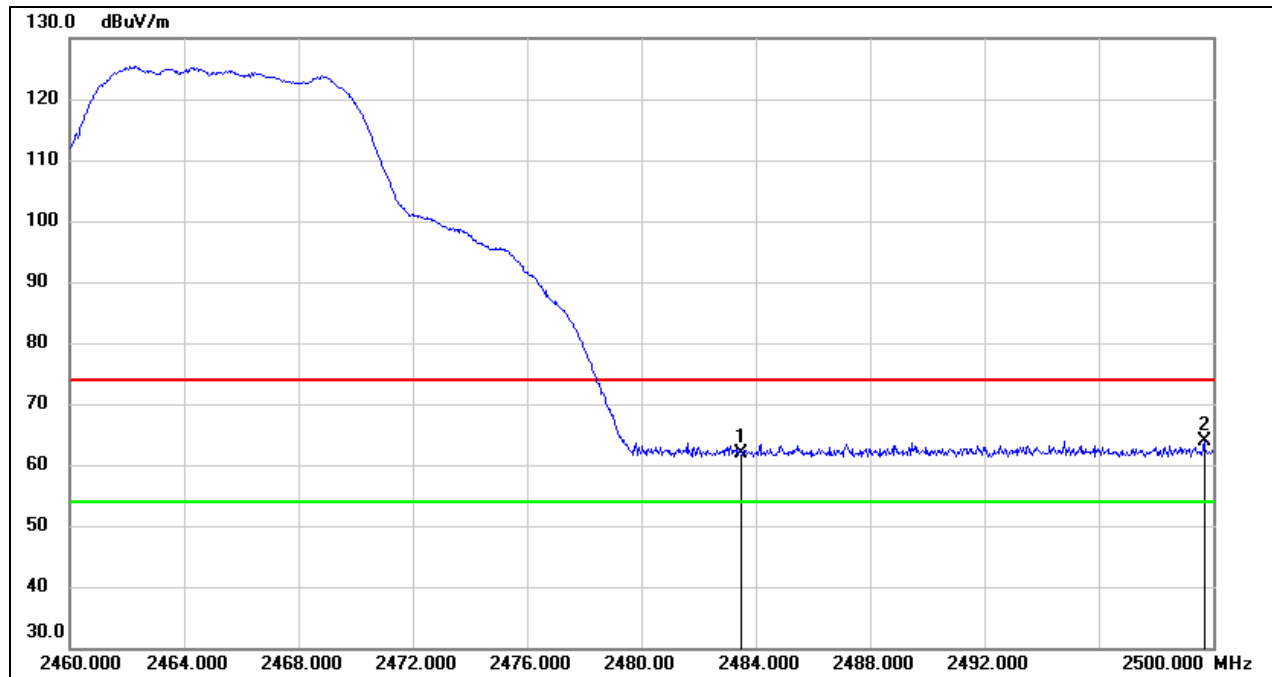
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.355	30.59	32.86	63.45	74.00	-10.55	peak
2	2390.000	29.23	32.92	62.15	74.00	-11.85	peak

Test Mode:	SRD 10MHz AV	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



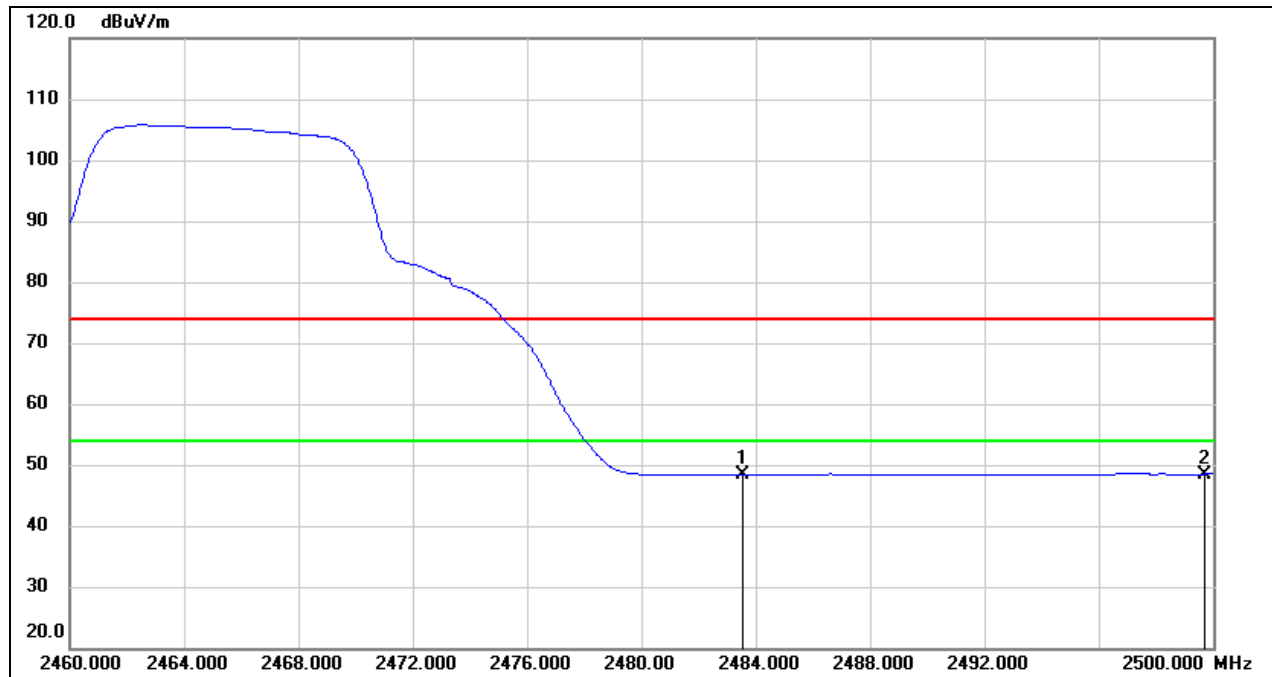
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.355	15.04	32.86	47.90	54.00	-6.10	AVG
2	2390.000	15.25	32.92	48.17	54.00	-5.83	AVG

Test Mode:	SRD 10MHz PK	Frequency(MHz):	2465.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



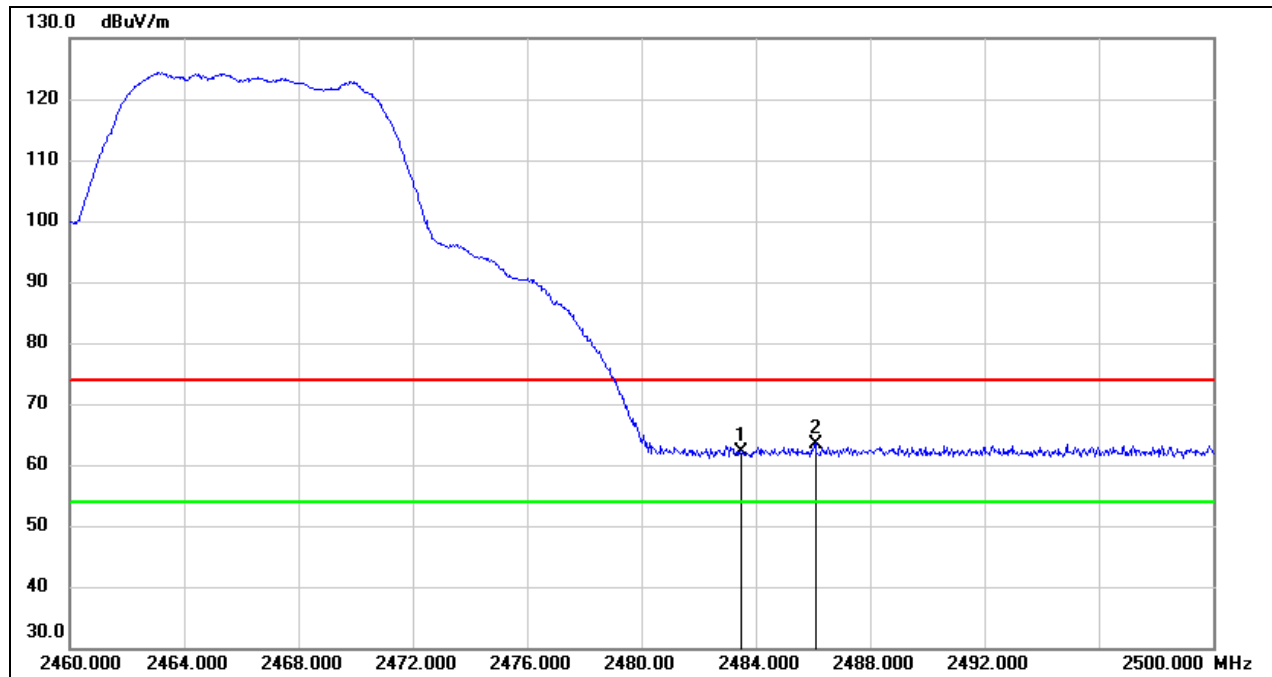
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.05	32.94	61.99	74.00	-12.01	peak
2	2499.680	31.04	32.93	63.97	74.00	-10.03	peak

Test Mode:	SRD 10MHz AV	Frequency(MHz):	2465.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



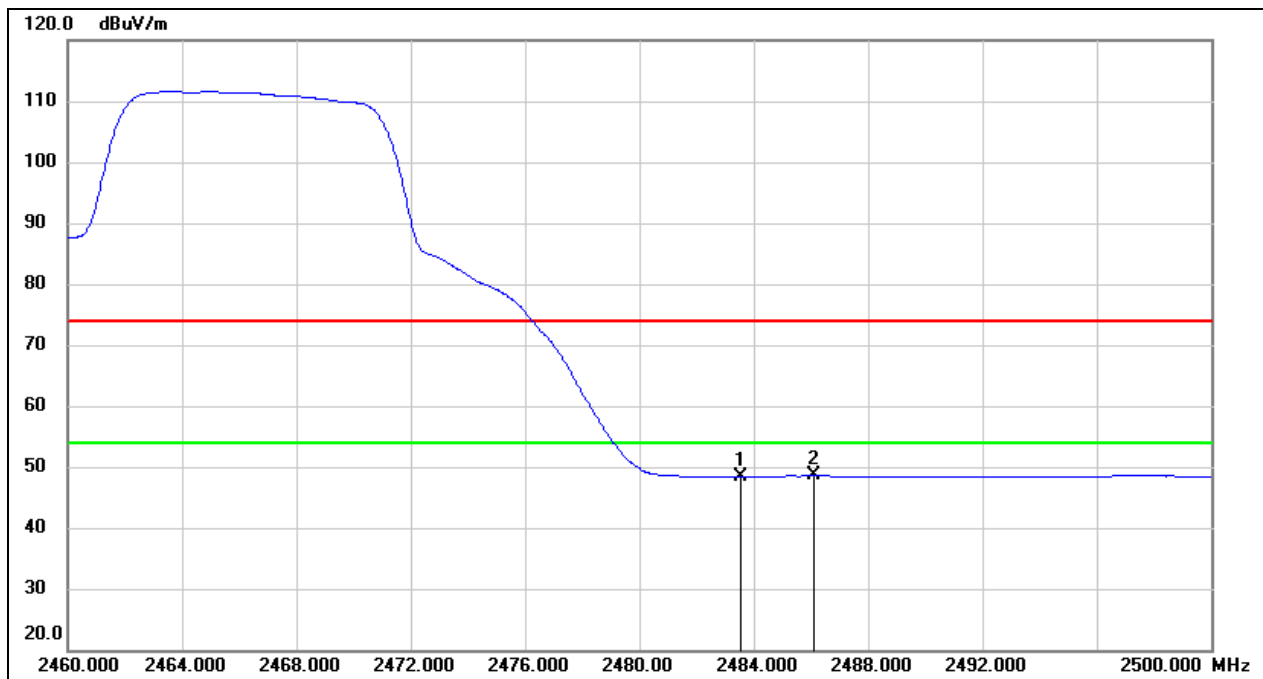
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.52	32.94	48.46	54.00	-5.54	AVG
2	2499.680	15.56	32.93	48.49	54.00	-5.51	AVG

Test Mode:	SRD 10MHz PK	Frequency(MHz):	2466.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



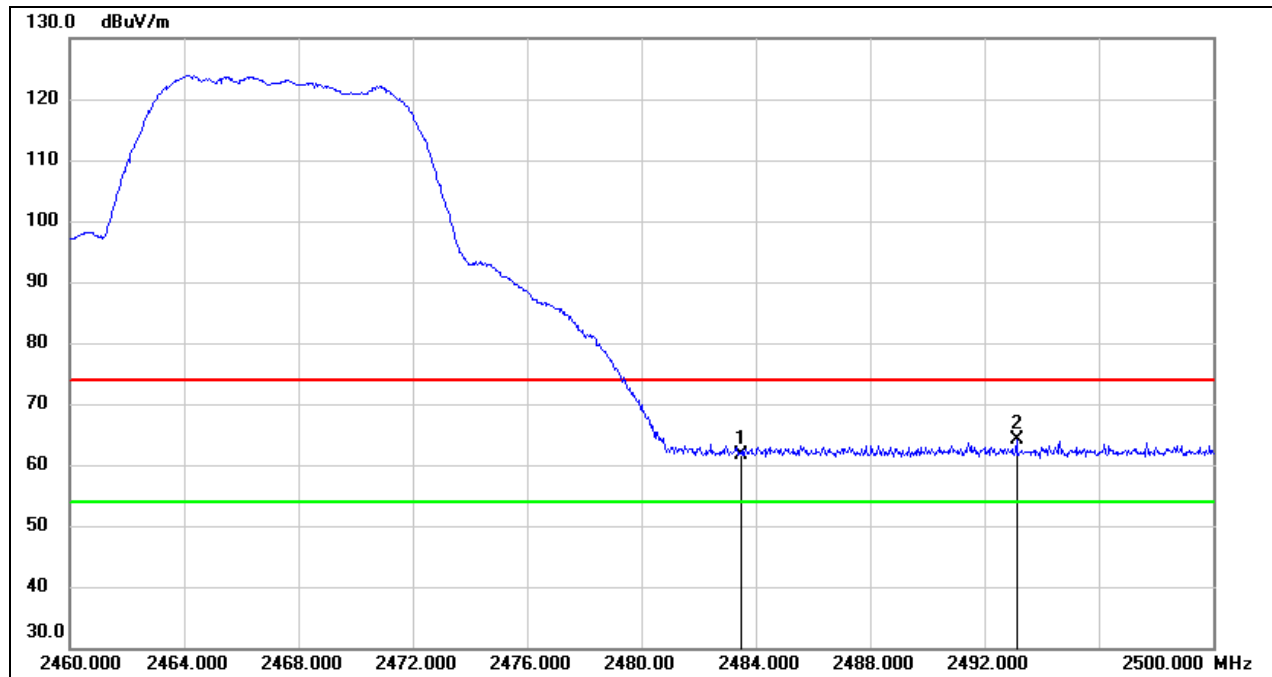
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.09	32.94	62.03	74.00	-11.97	peak
2	2486.080	30.57	32.93	63.50	74.00	-10.50	peak

Test Mode:	SRD 10MHz AV	Frequency(MHz):	2466.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



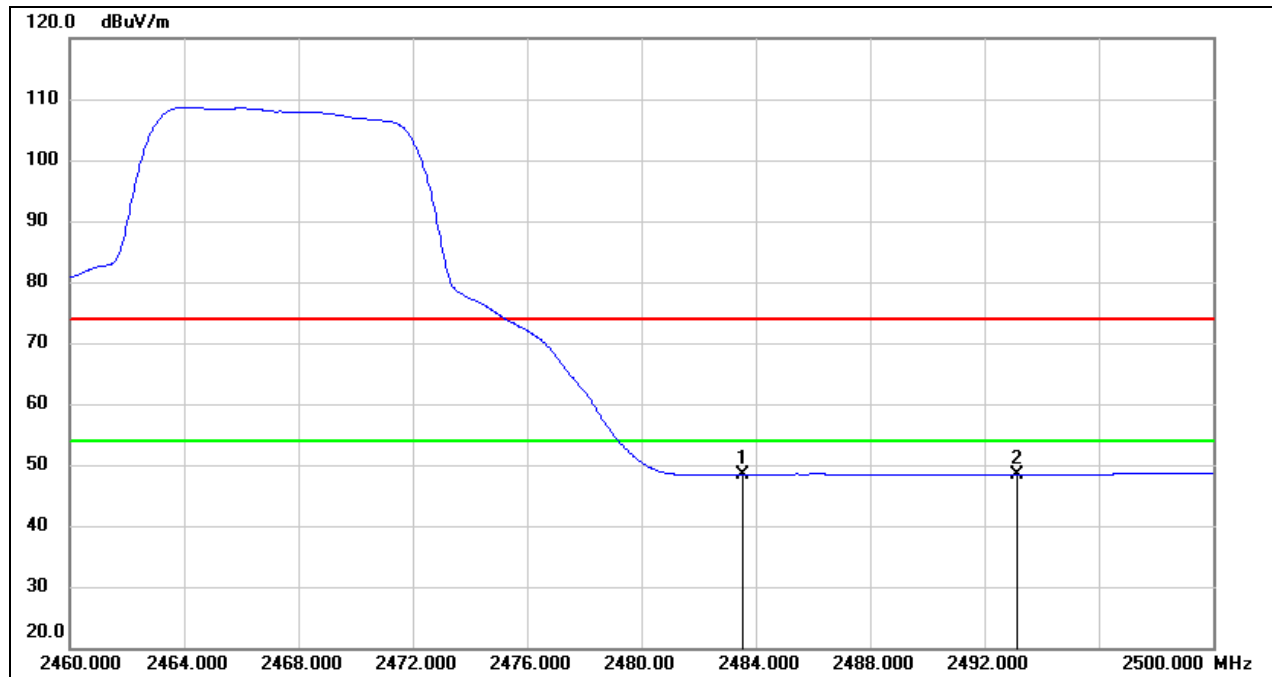
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.52	32.94	48.46	54.00	-5.54	AVG
2	2486.080	15.59	32.93	48.52	54.00	-5.48	AVG

Test Mode:	SRD 10MHz PK	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



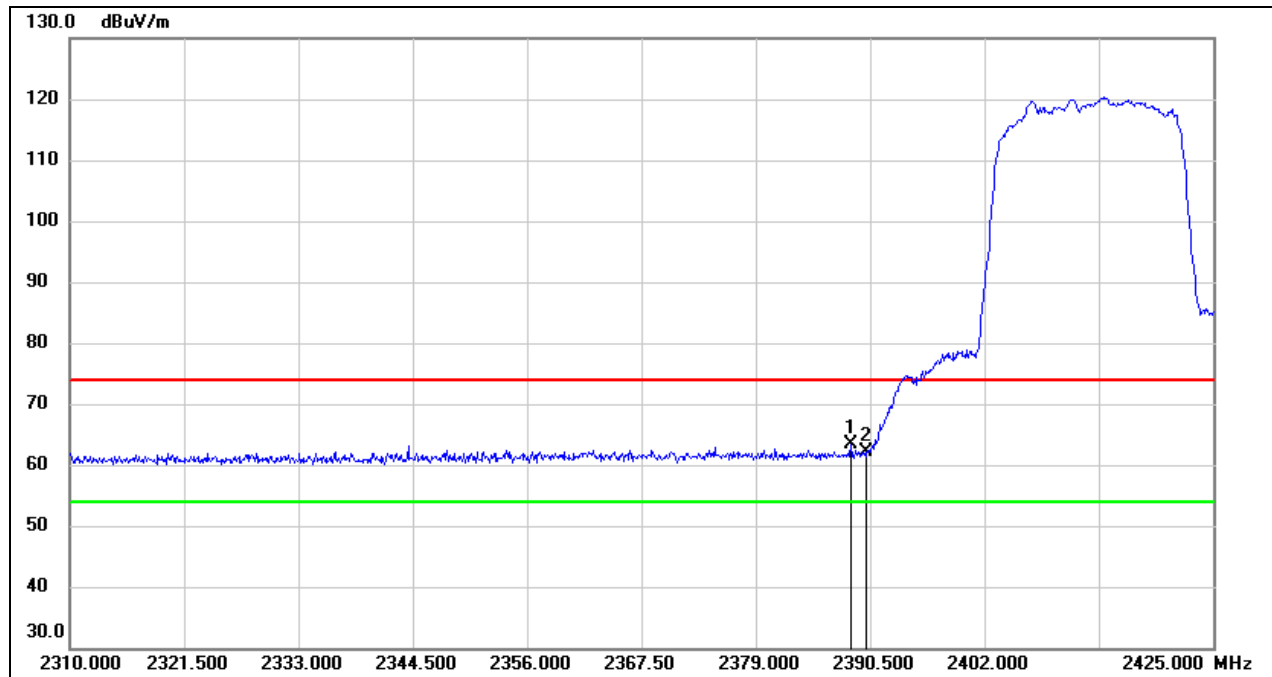
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	28.66	32.94	61.60	74.00	-12.40	peak
2	2493.120	31.09	32.93	64.02	74.00	-9.98	peak

Test Mode:	SRD 10MHz AV	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



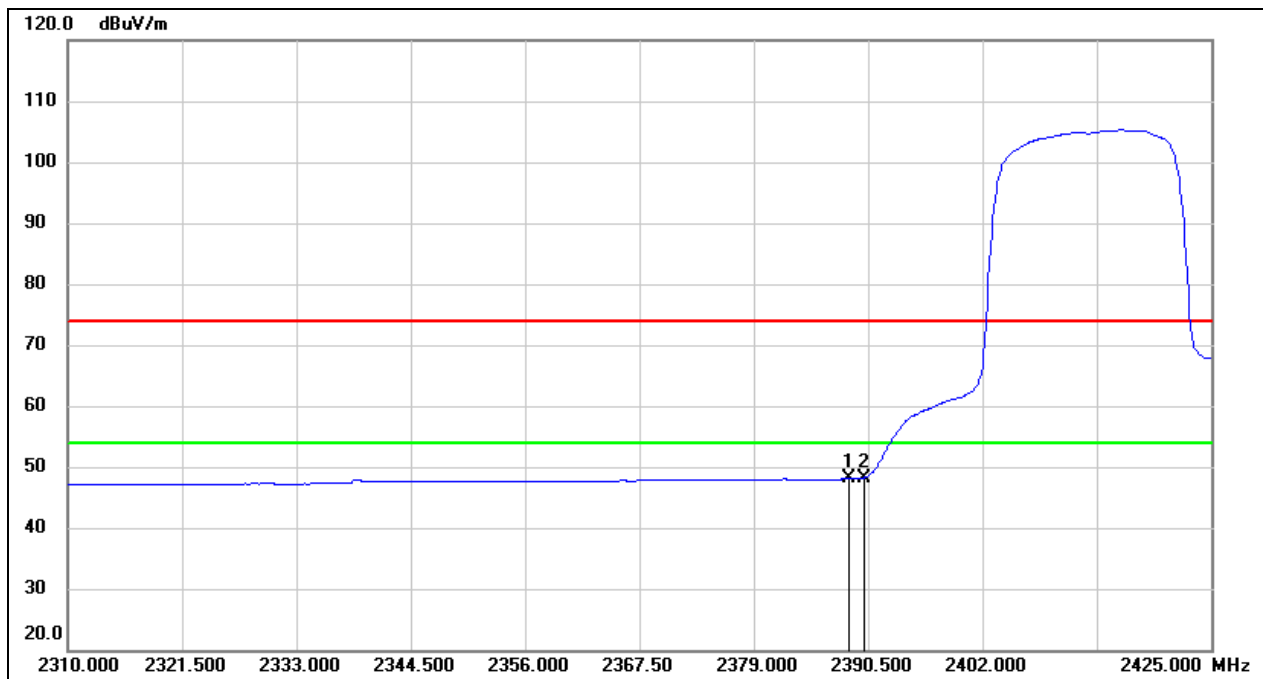
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.52	32.94	48.46	54.00	-5.54	AVG
2	2493.120	15.51	32.93	48.44	54.00	-5.56	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



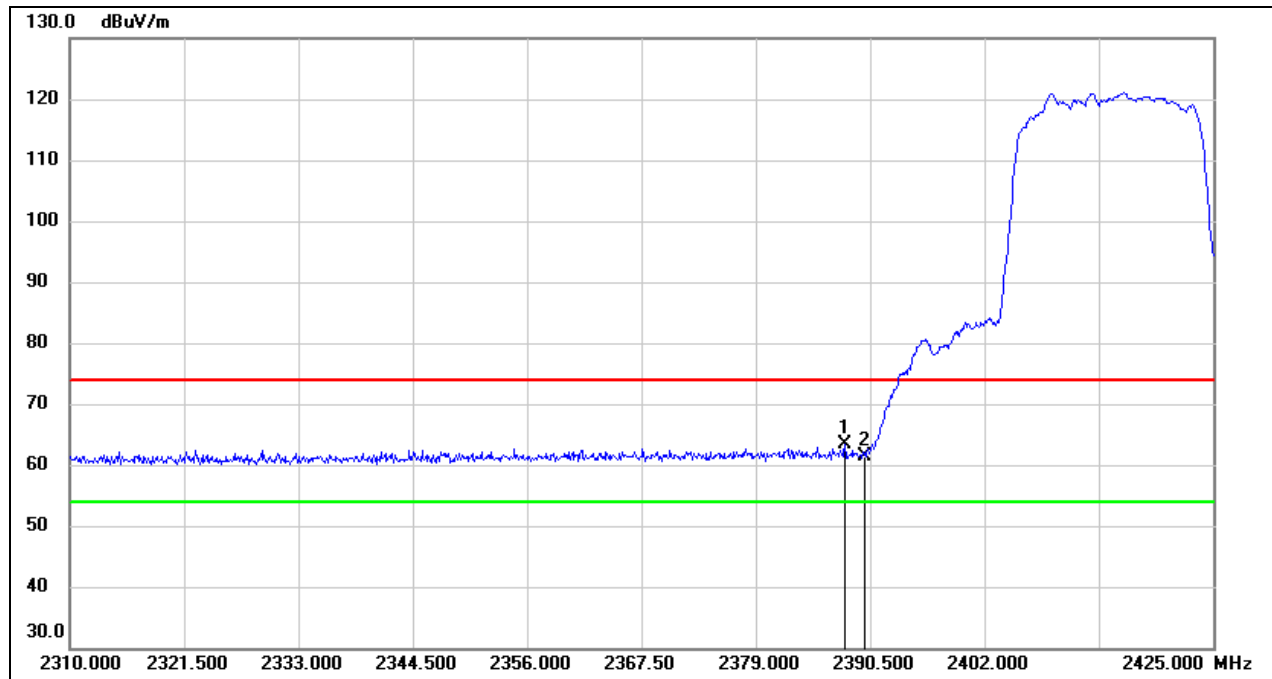
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.545	30.37	32.92	63.29	74.00	-10.71	peak
2	2390.000	29.28	32.92	62.20	74.00	-11.80	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



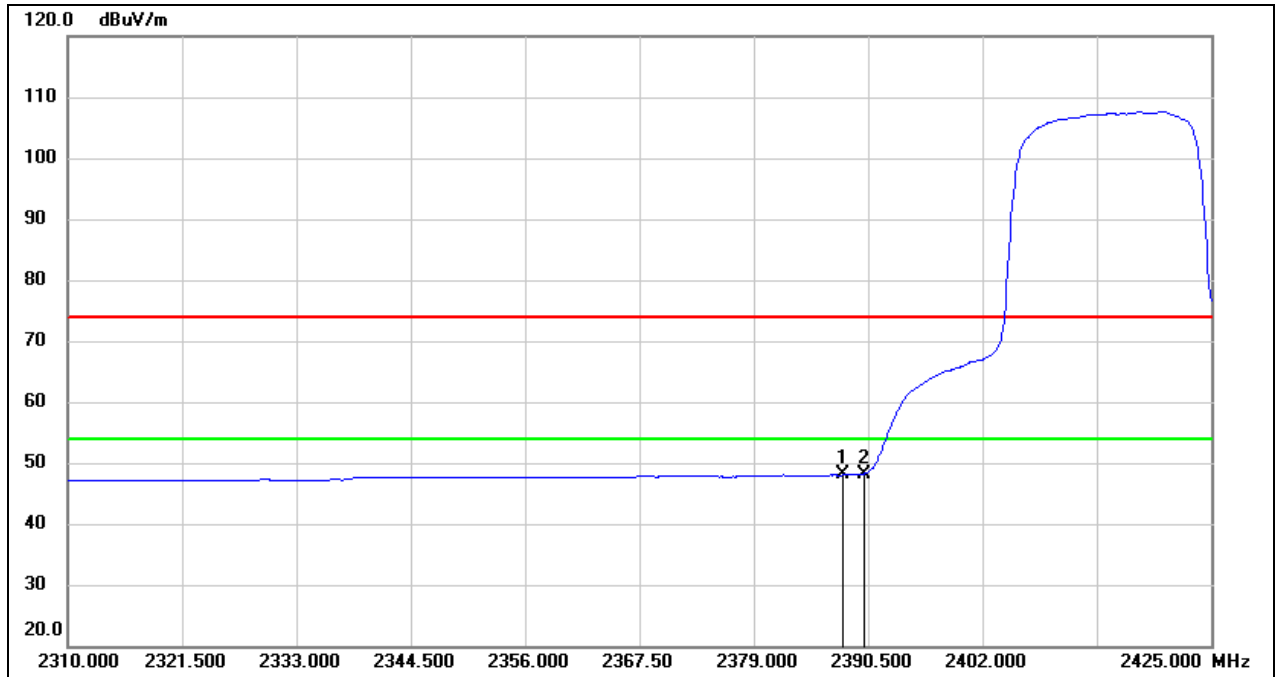
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.545	15.11	32.92	48.03	54.00	-5.97	AVG
2	2390.000	15.28	32.92	48.20	54.00	-5.80	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2414.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



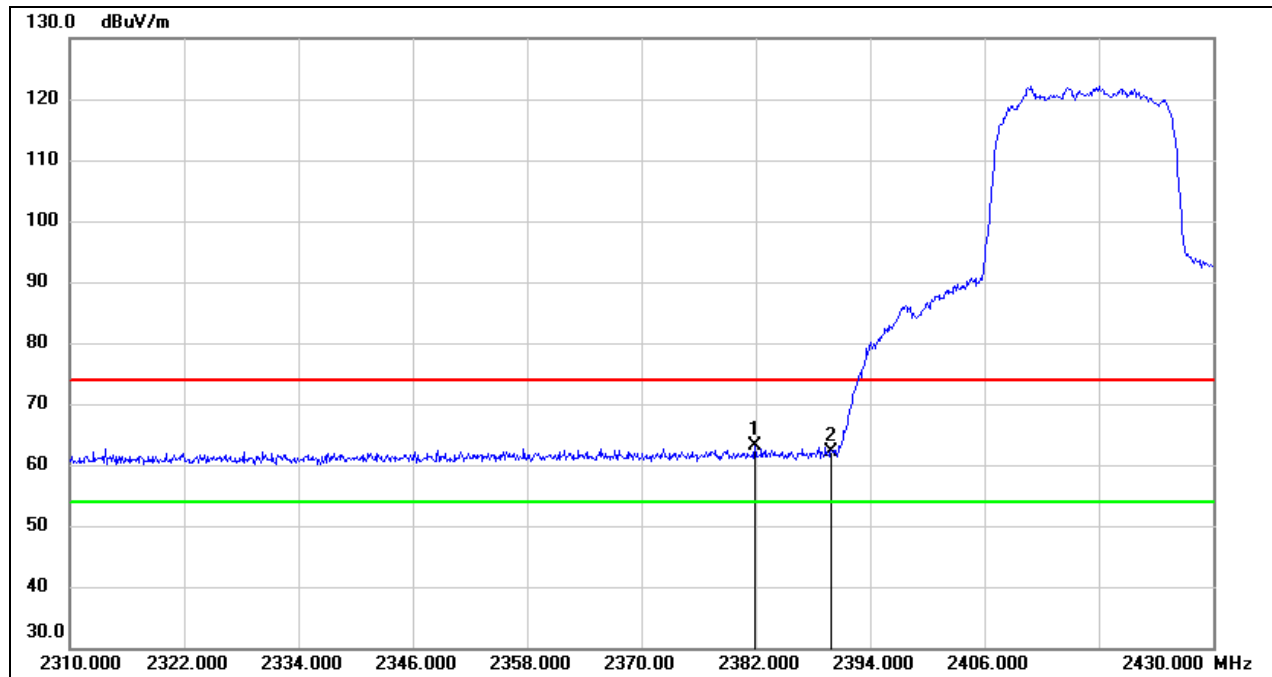
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.970	30.53	32.92	63.45	74.00	-10.55	peak
2	2390.000	28.45	32.92	61.37	74.00	-12.63	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2414.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



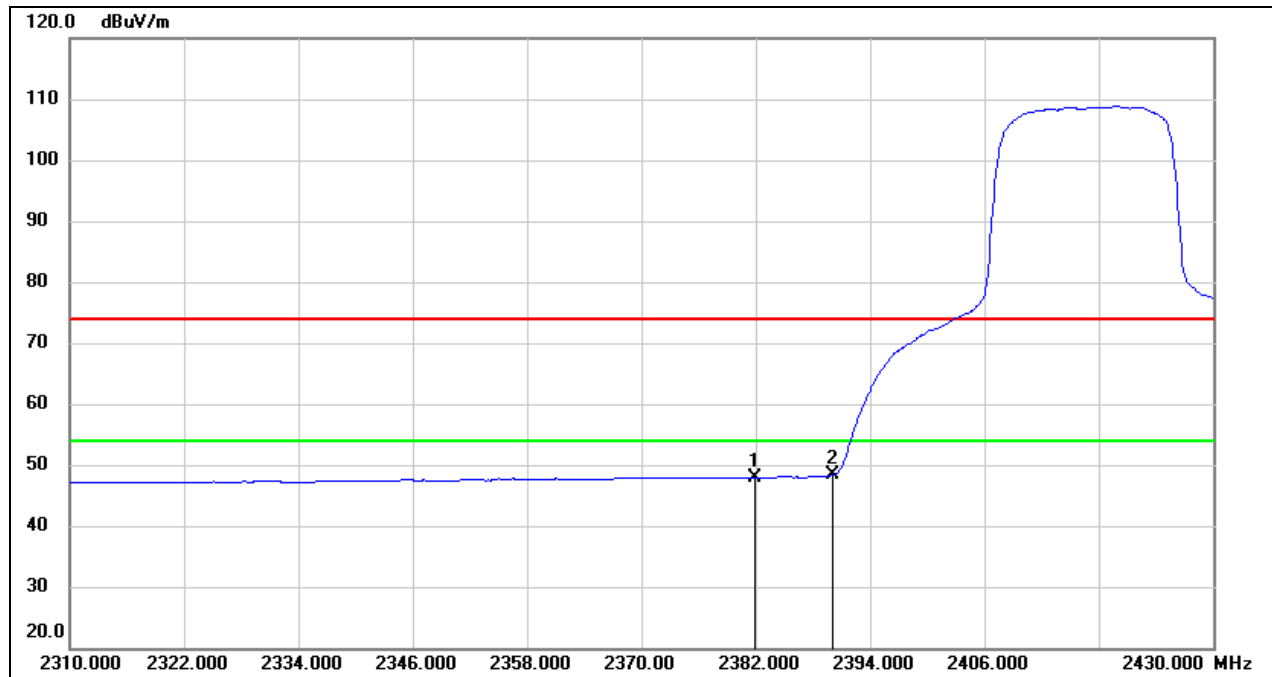
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.970	15.09	32.92	48.01	54.00	-5.99	AVG
2	2390.000	15.28	32.92	48.20	54.00	-5.80	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2416.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



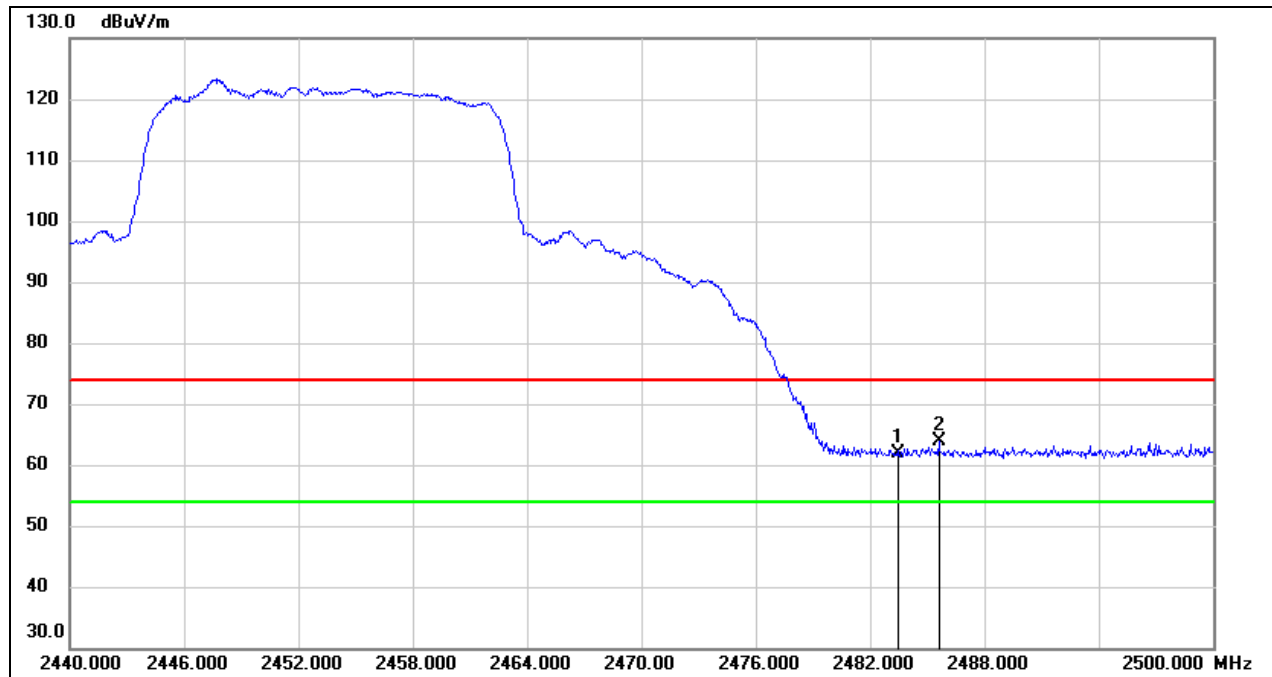
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.880	30.21	32.88	63.09	74.00	-10.91	peak
2	2390.000	29.29	32.92	62.21	74.00	-11.79	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2416.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



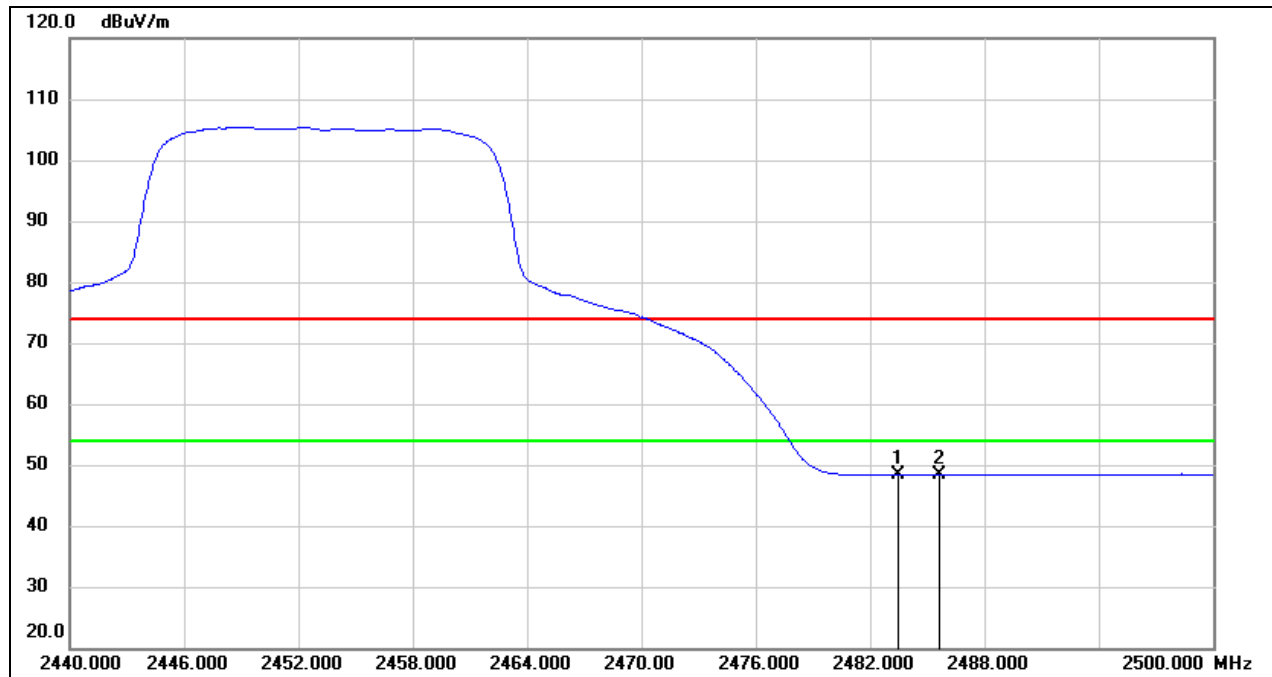
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.880	15.05	32.88	47.93	54.00	-6.07	AVG
2	2390.000	15.37	32.92	48.29	54.00	-5.71	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2453.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



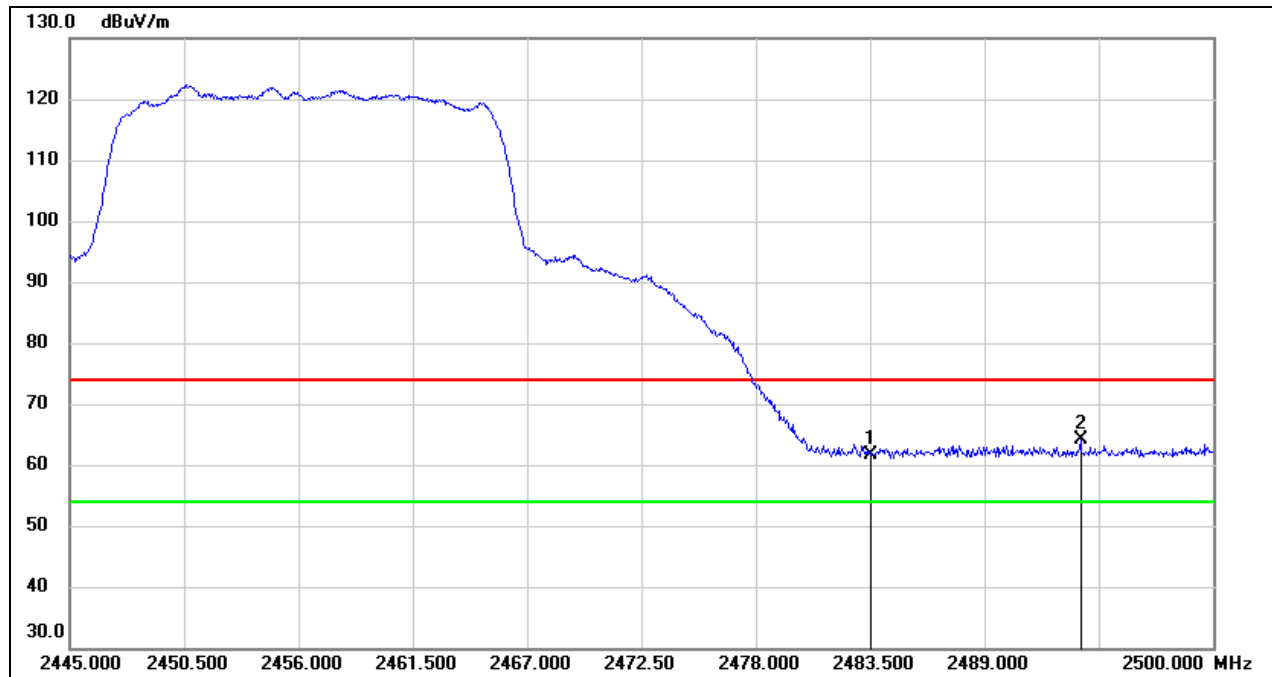
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	28.94	32.94	61.88	74.00	-12.12	peak
2	2485.600	30.91	32.93	63.84	74.00	-10.16	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2453.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



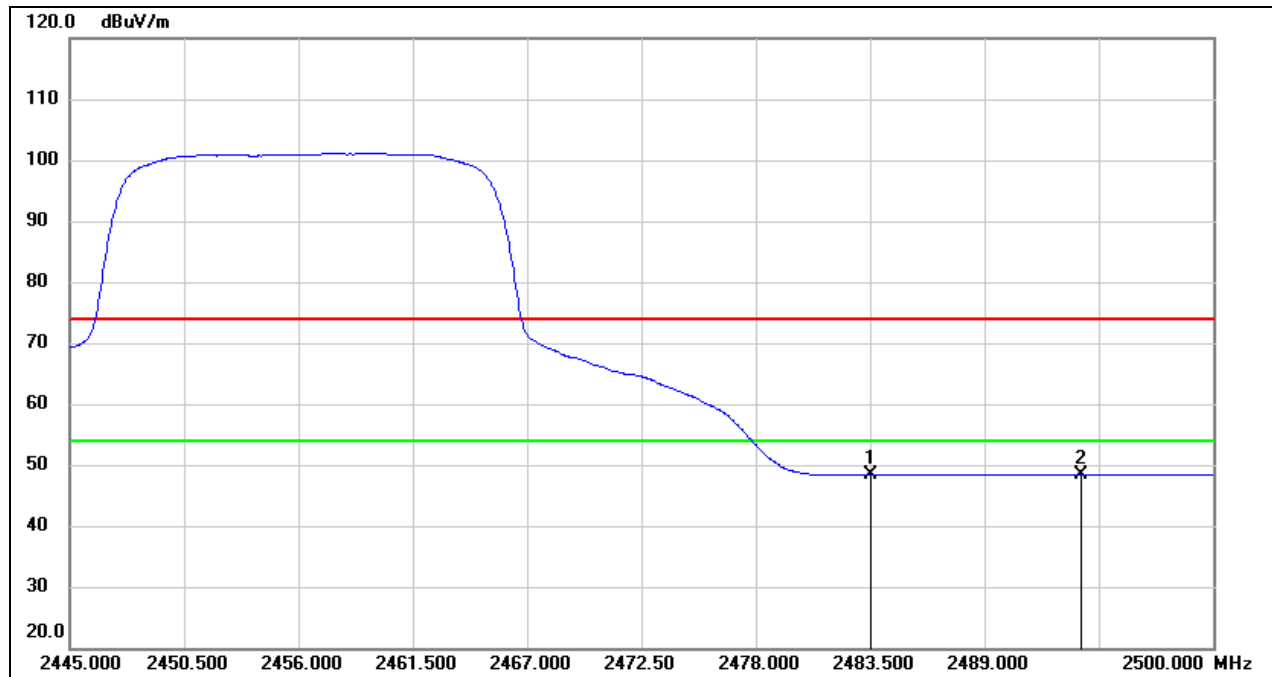
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.45	32.94	48.39	54.00	-5.61	AVG
2	2485.600	15.42	32.93	48.35	54.00	-5.65	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2456.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



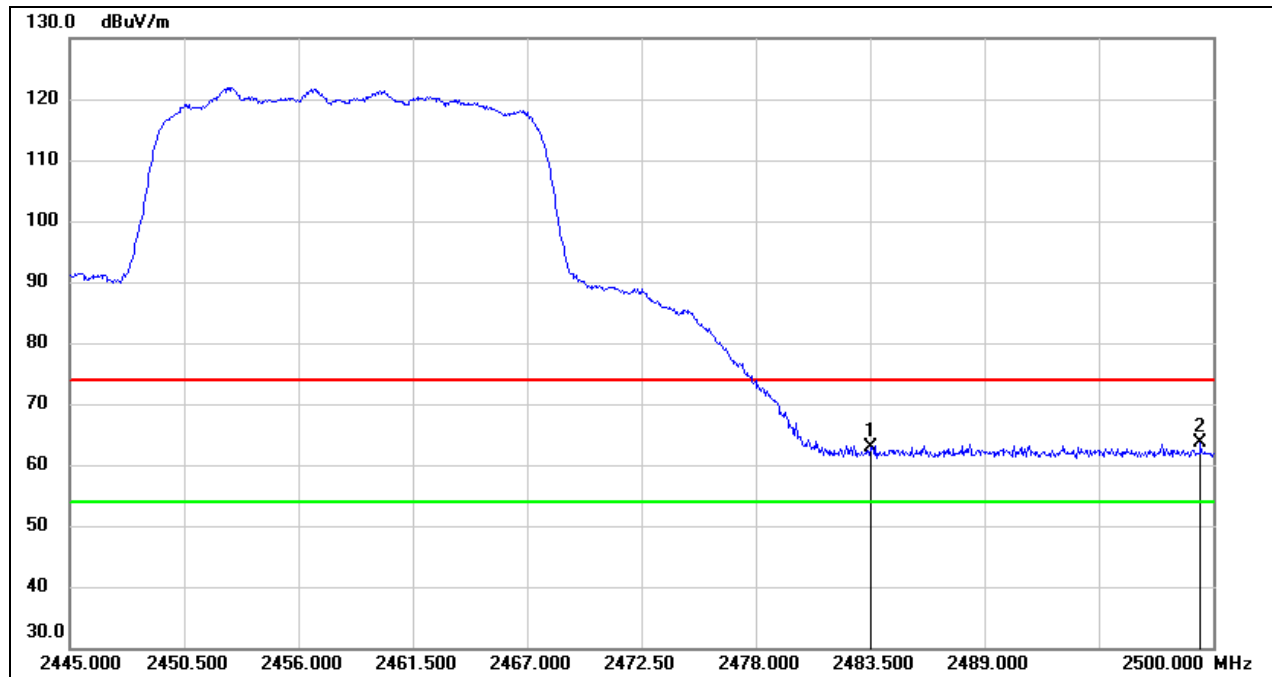
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	28.75	32.94	61.69	74.00	-12.31	peak
2	2493.620	31.11	32.93	64.04	74.00	-9.96	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2456.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



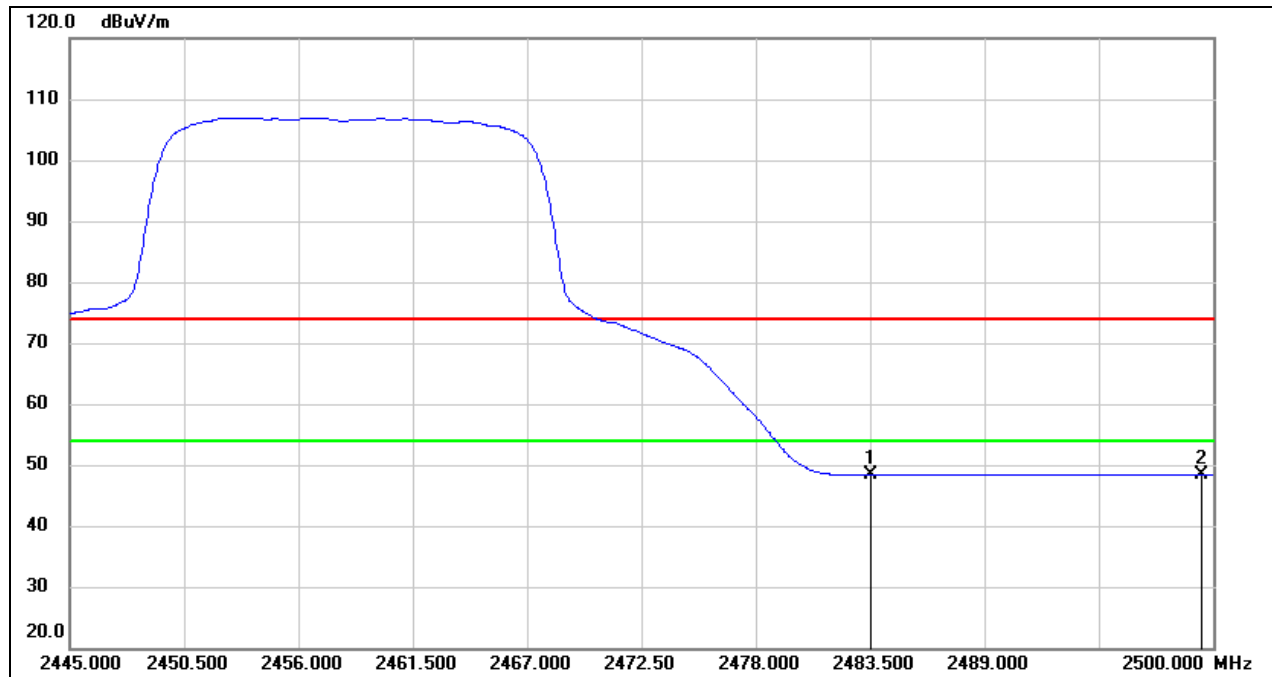
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.40	32.94	48.34	54.00	-5.66	AVG
2	2493.620	15.48	32.93	48.41	54.00	-5.59	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2458.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



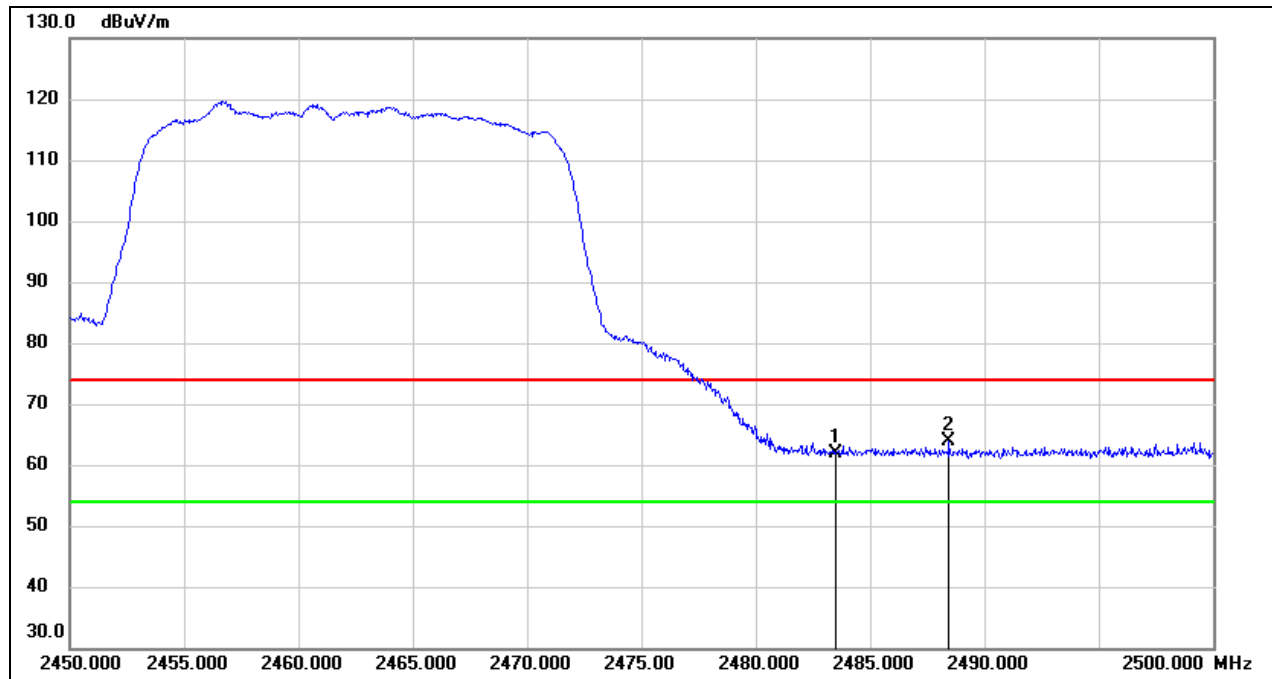
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.95	32.94	62.89	74.00	-11.11	peak
2	2499.395	30.71	32.93	63.64	74.00	-10.36	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2458.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



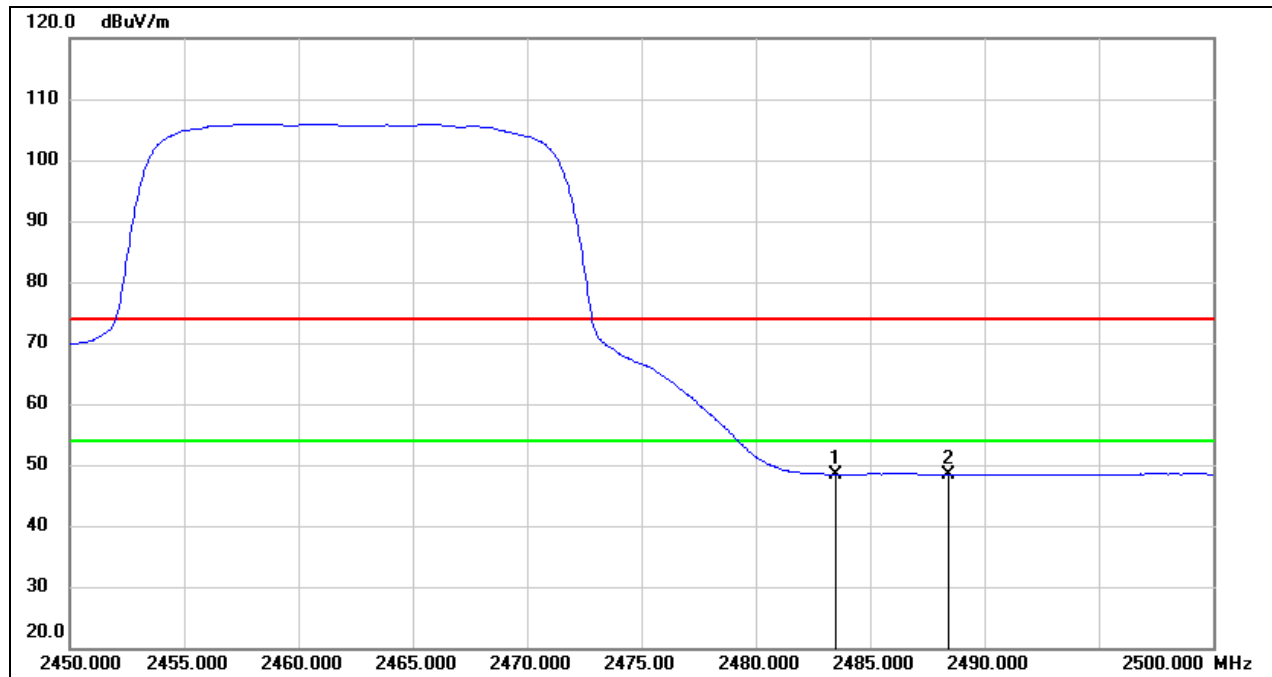
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.52	32.94	48.46	54.00	-5.54	AVG
2	2499.395	15.46	32.93	48.39	54.00	-5.61	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



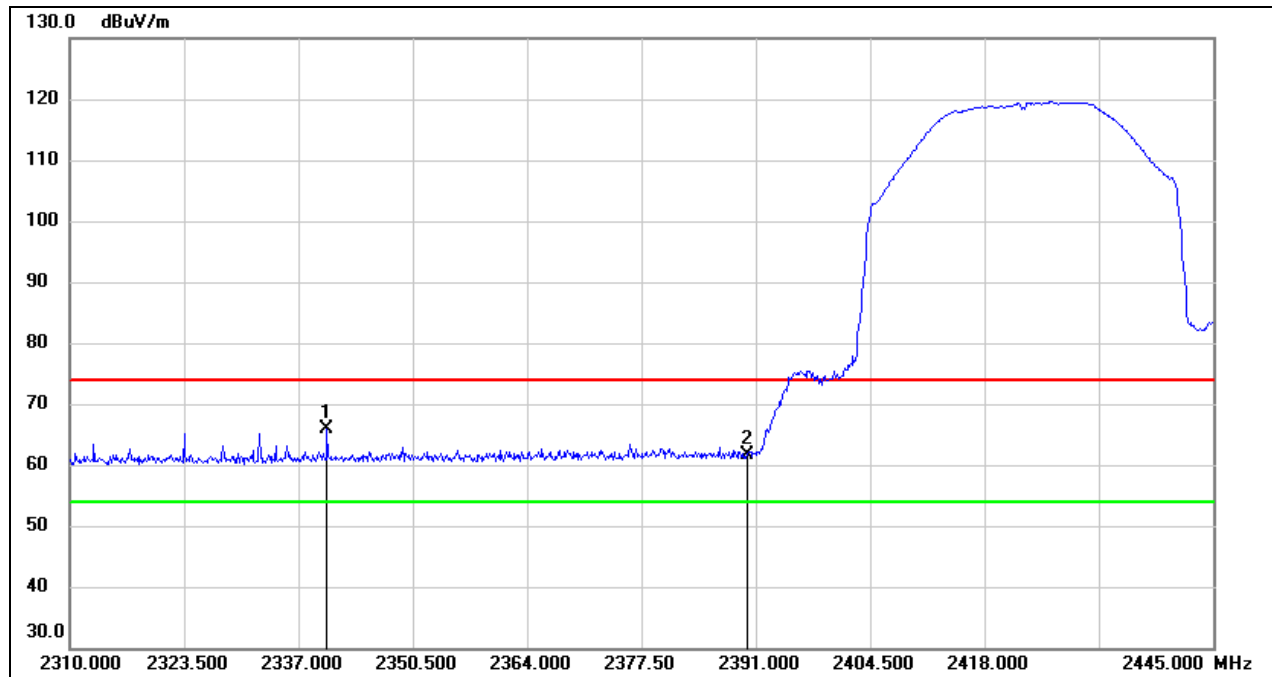
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	28.89	32.94	61.83	74.00	-12.17	peak
2	2488.450	30.85	32.94	63.79	74.00	-10.21	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



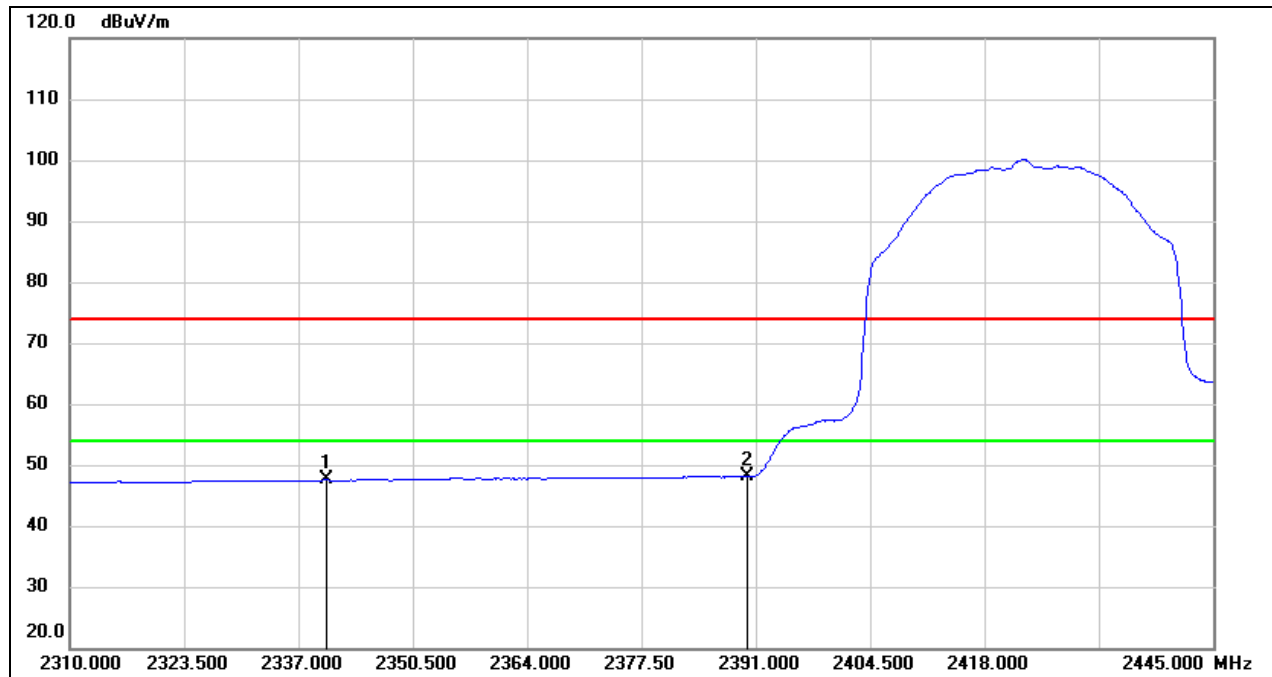
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.53	32.94	48.47	54.00	-5.53	AVG
2	2488.450	15.44	32.94	48.38	54.00	-5.62	AVG

Test Mode:	SRD 40MHz PK	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



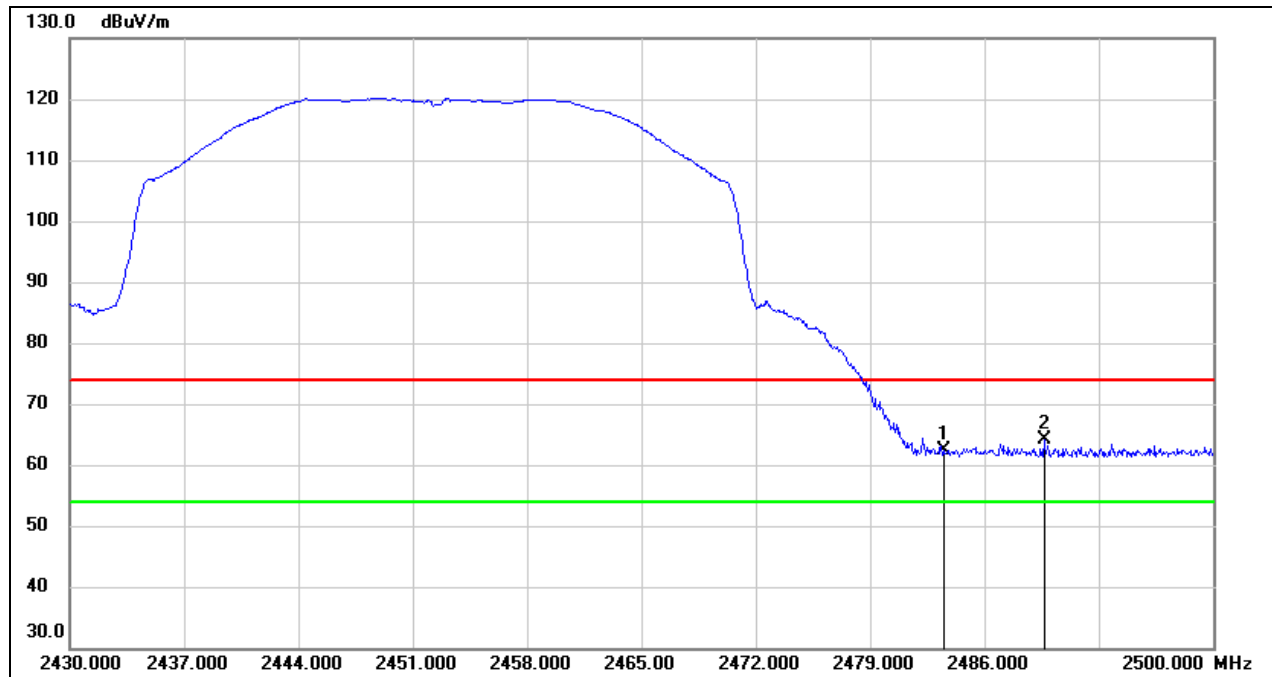
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2340.375	33.30	32.65	65.95	74.00	-8.05	peak
2	2390.000	28.68	32.92	61.60	74.00	-12.40	peak

Test Mode:	SRD 40MHz AV	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



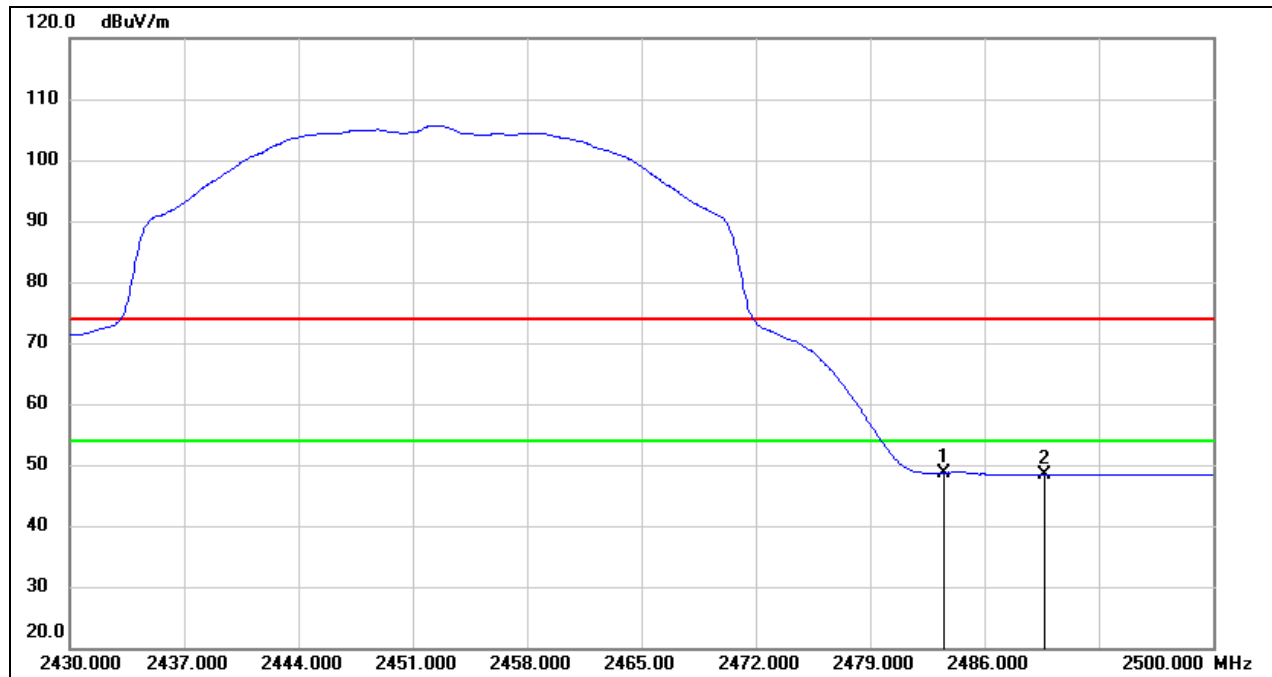
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2340.375	14.87	32.65	47.52	54.00	-6.48	AVG
2	2390.000	15.16	32.92	48.08	54.00	-5.92	AVG

Test Mode:	SRD 40MHz PK	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



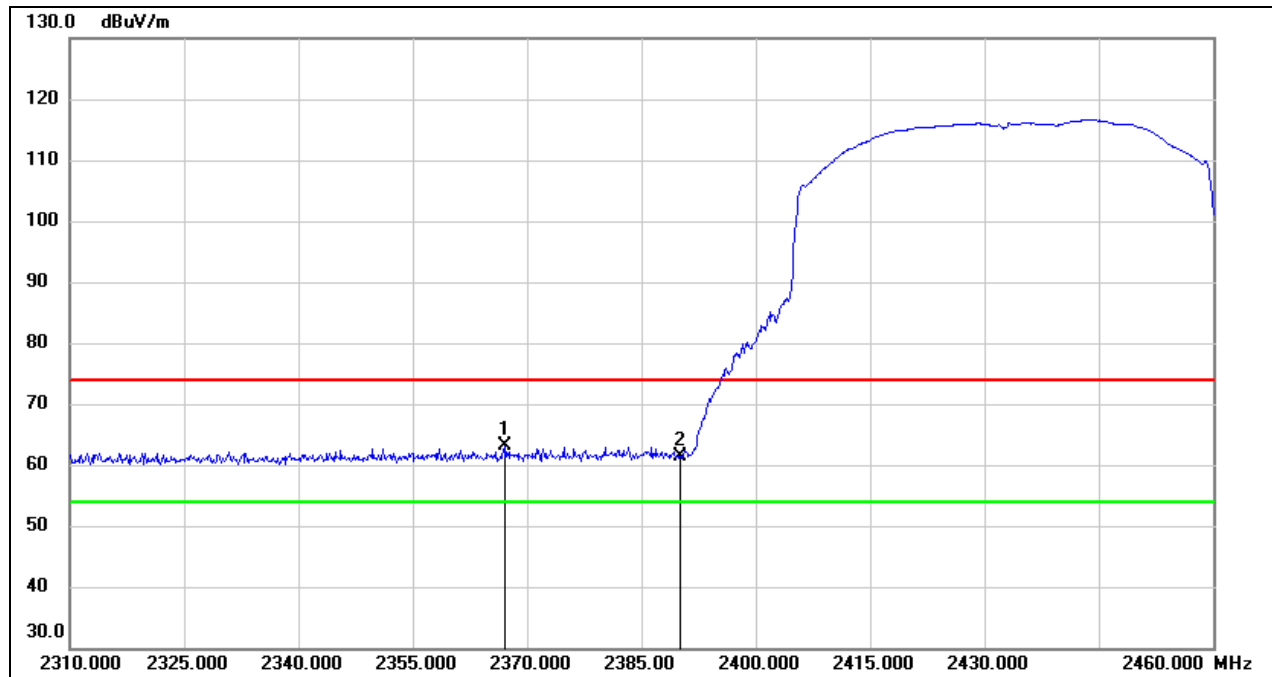
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.46	32.94	62.40	74.00	-11.60	peak
2	2489.640	31.29	32.93	64.22	74.00	-9.78	peak

Test Mode:	SRD 40MHz AV	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



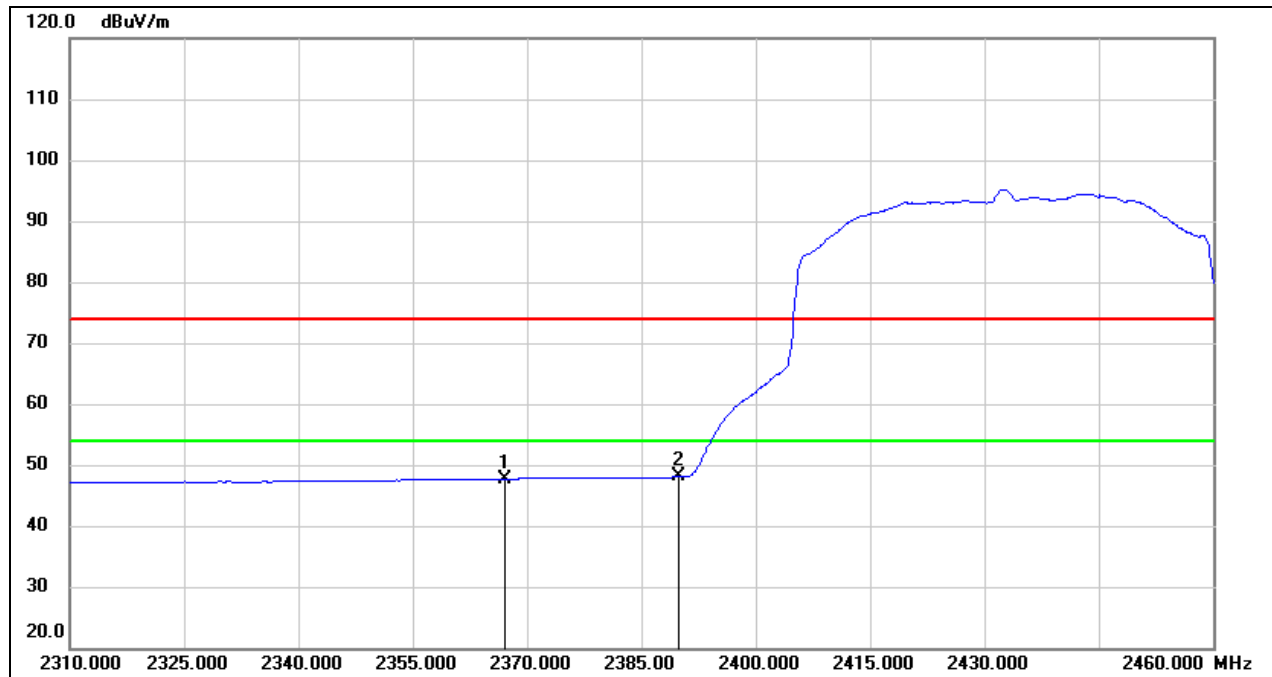
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.81	32.94	48.75	54.00	-5.25	AVG
2	2489.640	15.40	32.93	48.33	54.00	-5.67	AVG

Test Mode:	SRD 60MHz PK	Frequency(MHz):	2432.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



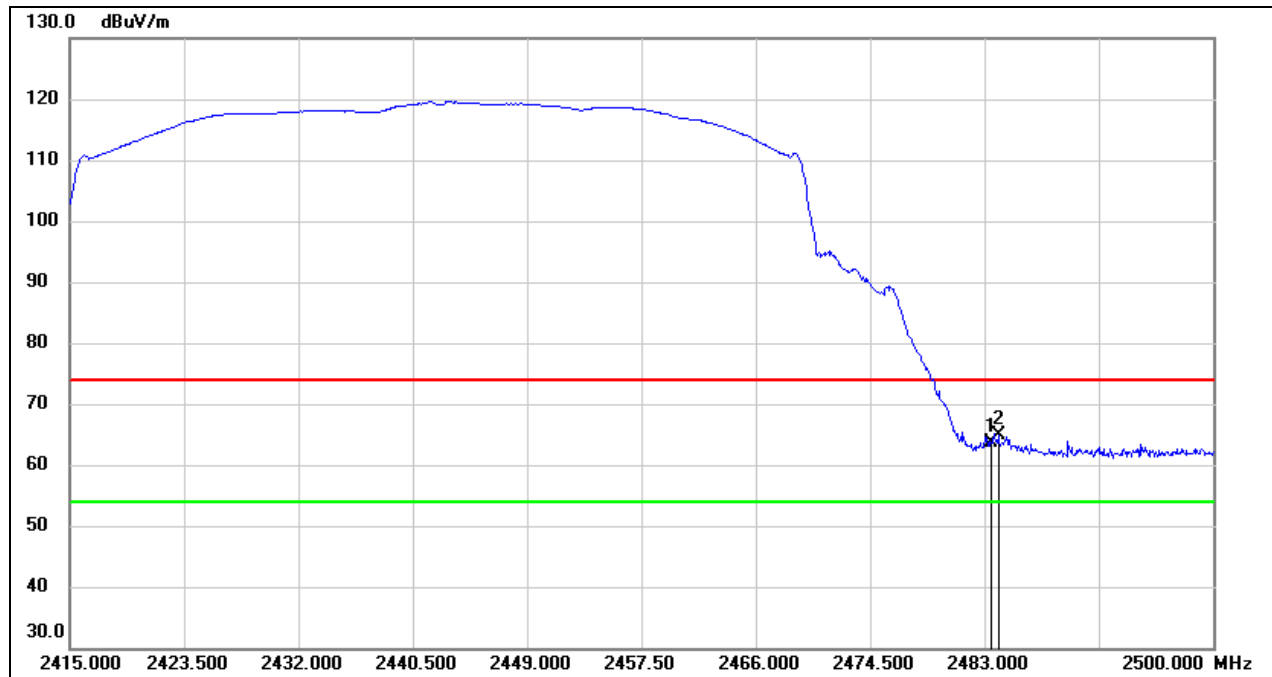
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2367.150	30.30	32.79	63.09	74.00	-10.91	peak
2	2390.000	28.42	32.92	61.34	74.00	-12.66	peak

Test Mode:	SRD 60MHz AV	Frequency(MHz):	2432.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



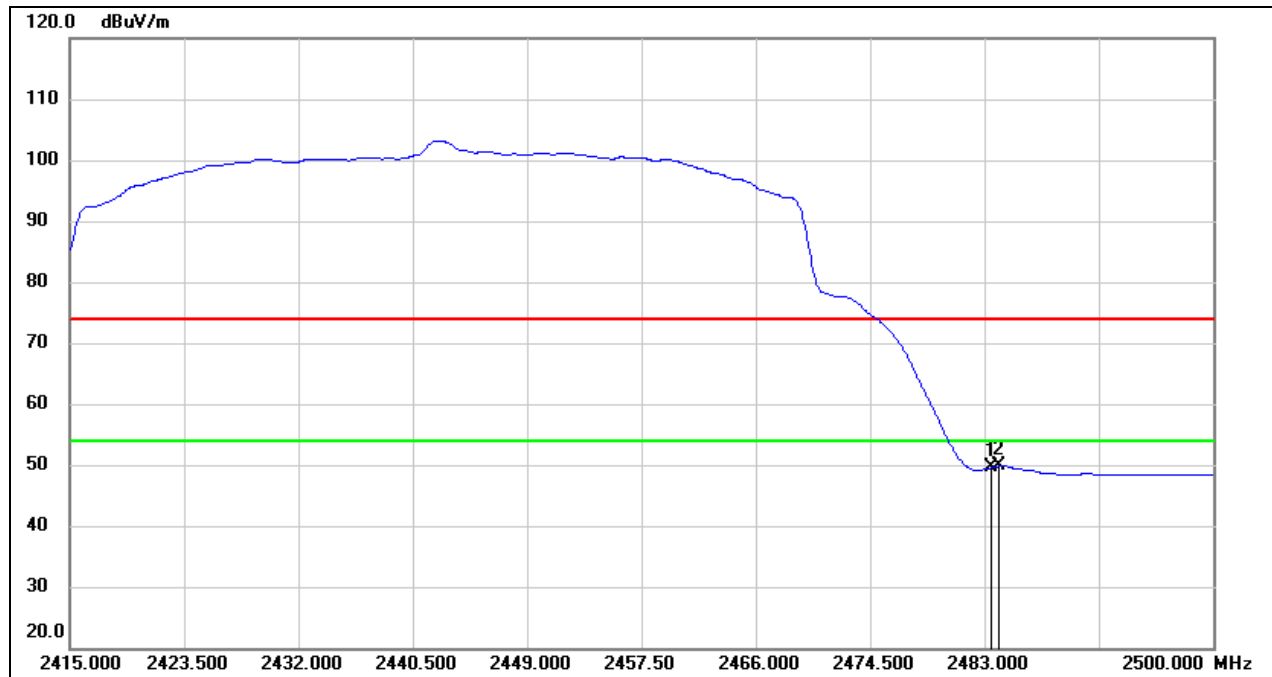
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2367.150	14.91	32.79	47.70	54.00	-6.30	AVG
2	2390.000	15.12	32.92	48.04	54.00	-5.96	AVG

Test Mode:	SRD 60MHz PK	Frequency(MHz):	2442.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	30.62	32.94	63.56	74.00	-10.44	peak
2	2484.020	31.95	32.94	64.89	74.00	-9.11	peak

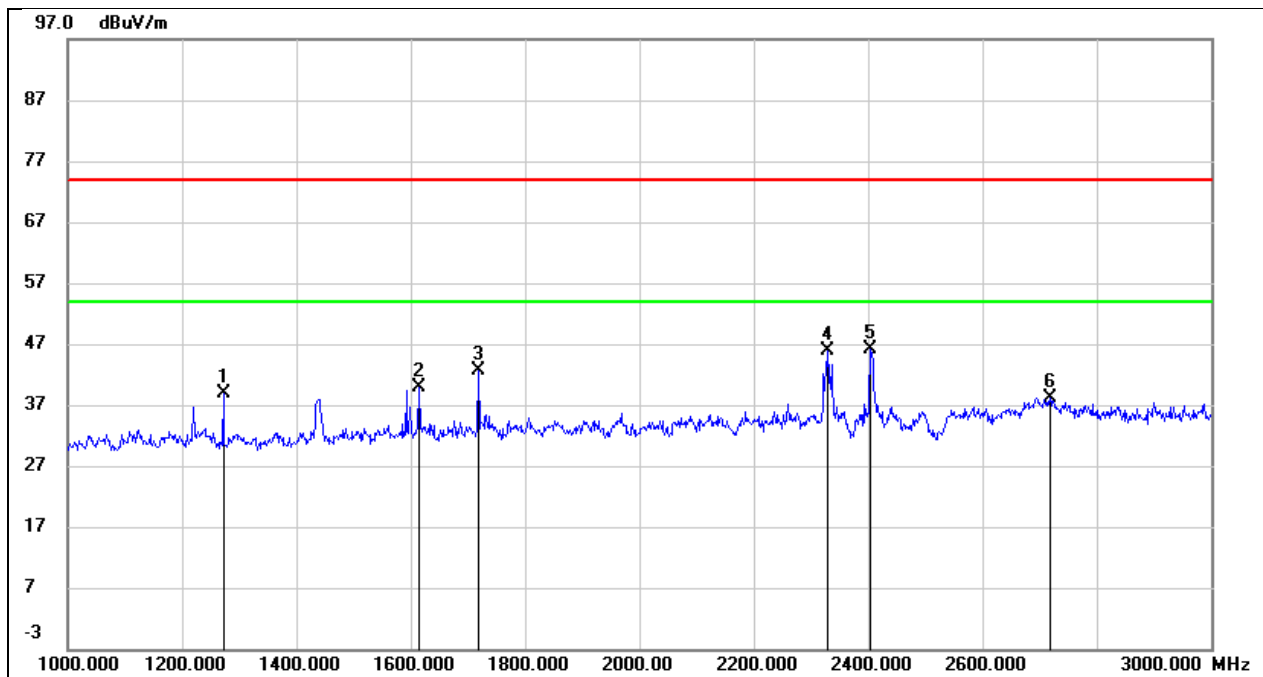
Test Mode:	SRD 60MHz AV	Frequency(MHz):	2442.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.57	32.94	49.51	54.00	-4.49	AVG
2	2484.020	16.87	32.94	49.81	54.00	-4.19	AVG

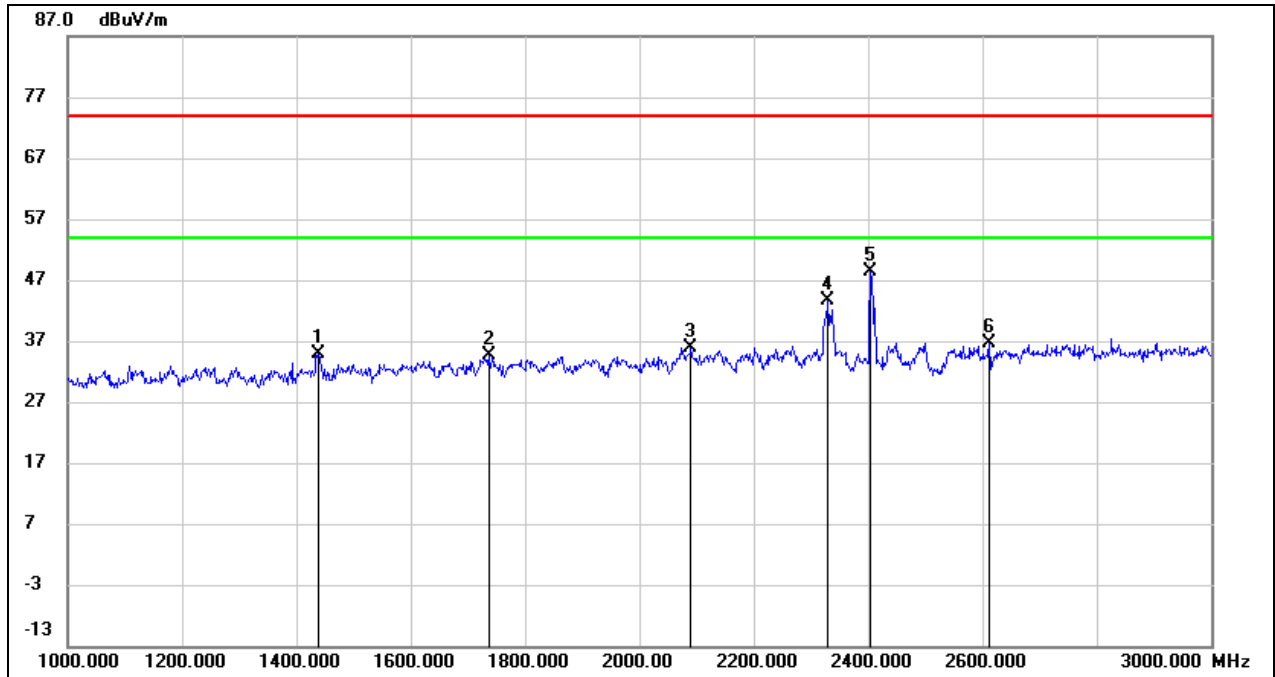
8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



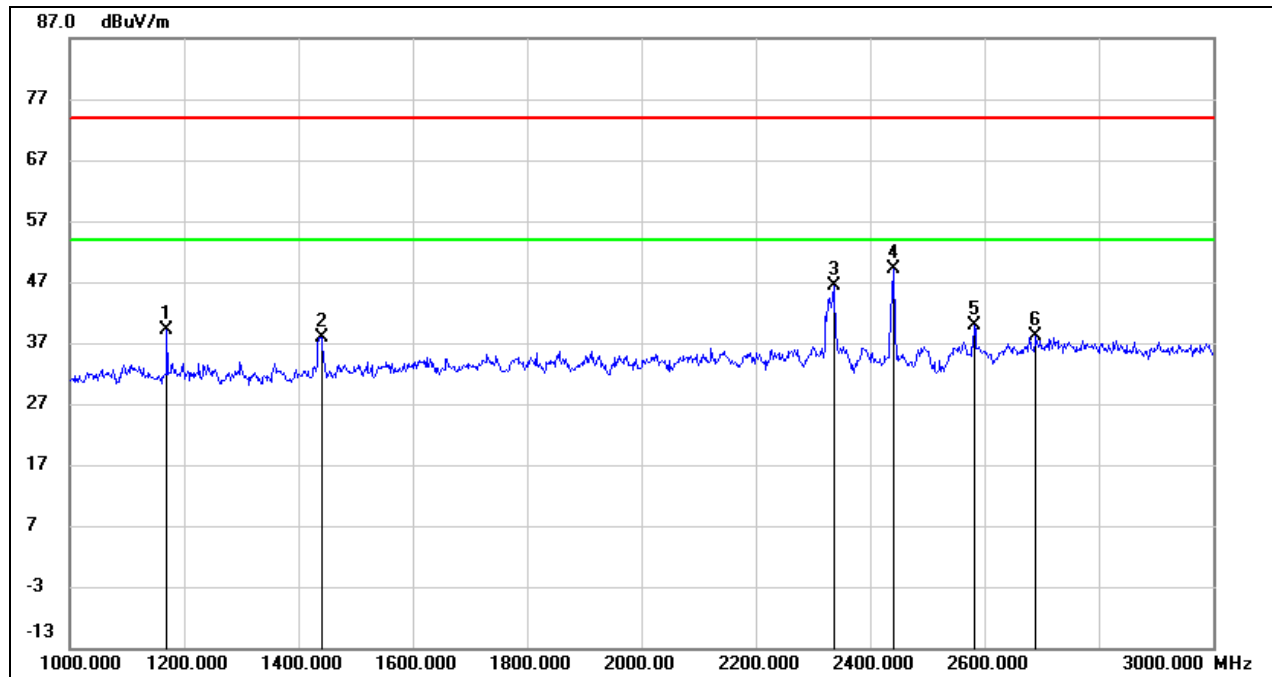
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1272.000	51.33	-12.56	38.77	74.00	-35.23	peak
2	1614.000	51.09	-11.11	39.98	74.00	-34.02	peak
3	1718.000	53.15	-10.62	42.53	74.00	-31.47	peak
4	2330.000	53.81	-7.92	45.89	74.00	-28.11	peak
5	2407.500	53.61	-7.41	46.20	/	/	fundamental
6	2718.000	45.35	-7.17	38.18	74.00	-35.82	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



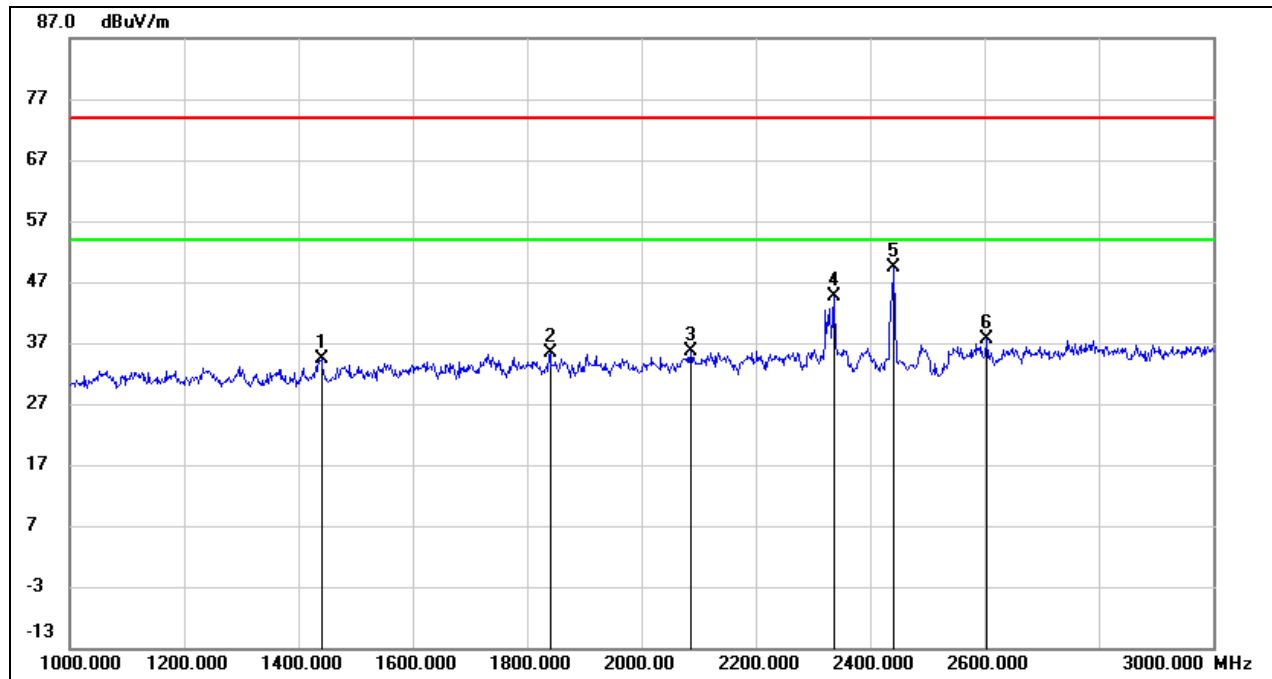
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1438.000	47.06	-12.15	34.91	74.00	-39.09	peak
2	1736.000	45.19	-10.53	34.66	74.00	-39.34	peak
3	2090.000	45.54	-9.56	35.98	74.00	-38.02	peak
4	2330.000	51.49	-7.92	43.57	74.00	-30.43	peak
5	2407.500	55.84	-7.41	48.43	/	/	fundamental
6	2612.000	44.35	-7.63	36.72	74.00	-37.28	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



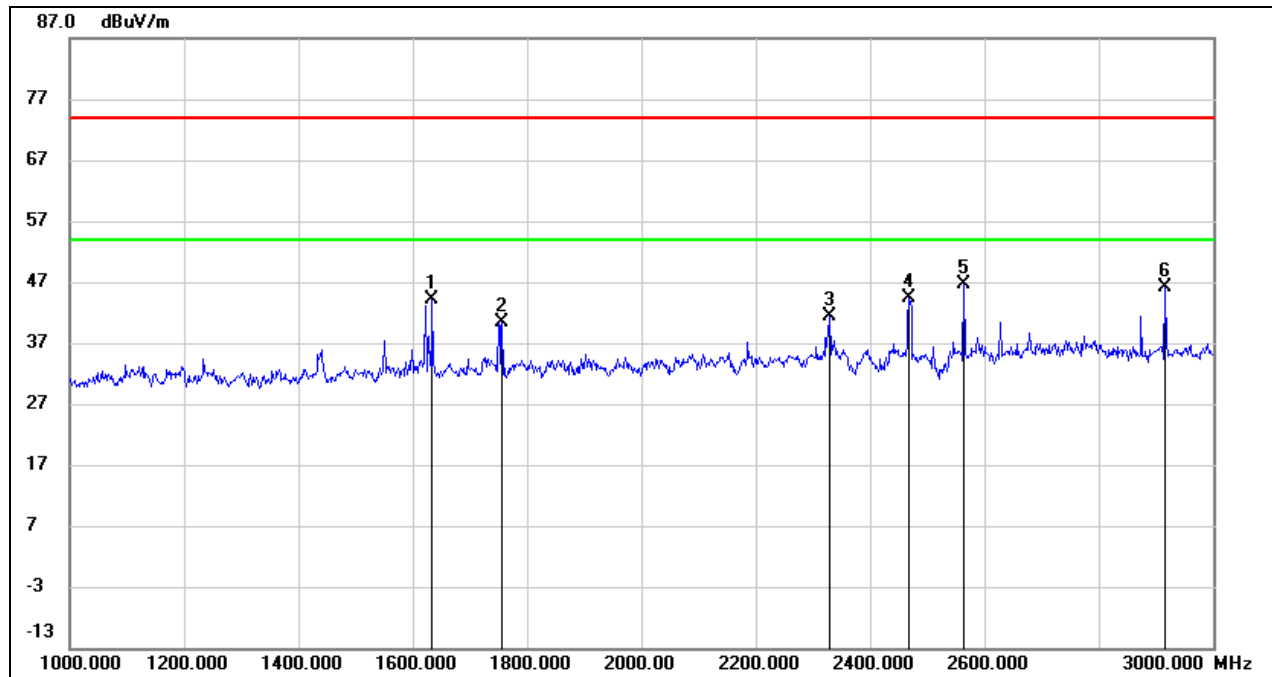
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1170.000	52.11	-12.90	39.21	74.00	-34.79	peak
2	1440.000	50.12	-12.14	37.98	74.00	-36.02	peak
3	2336.000	54.14	-7.87	46.27	74.00	-27.73	peak
4	2437.500	56.64	-7.44	49.20	/	/	fundamental
5	2582.000	47.58	-7.64	39.94	74.00	-34.06	peak
6	2690.000	45.53	-7.29	38.24	74.00	-35.76	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



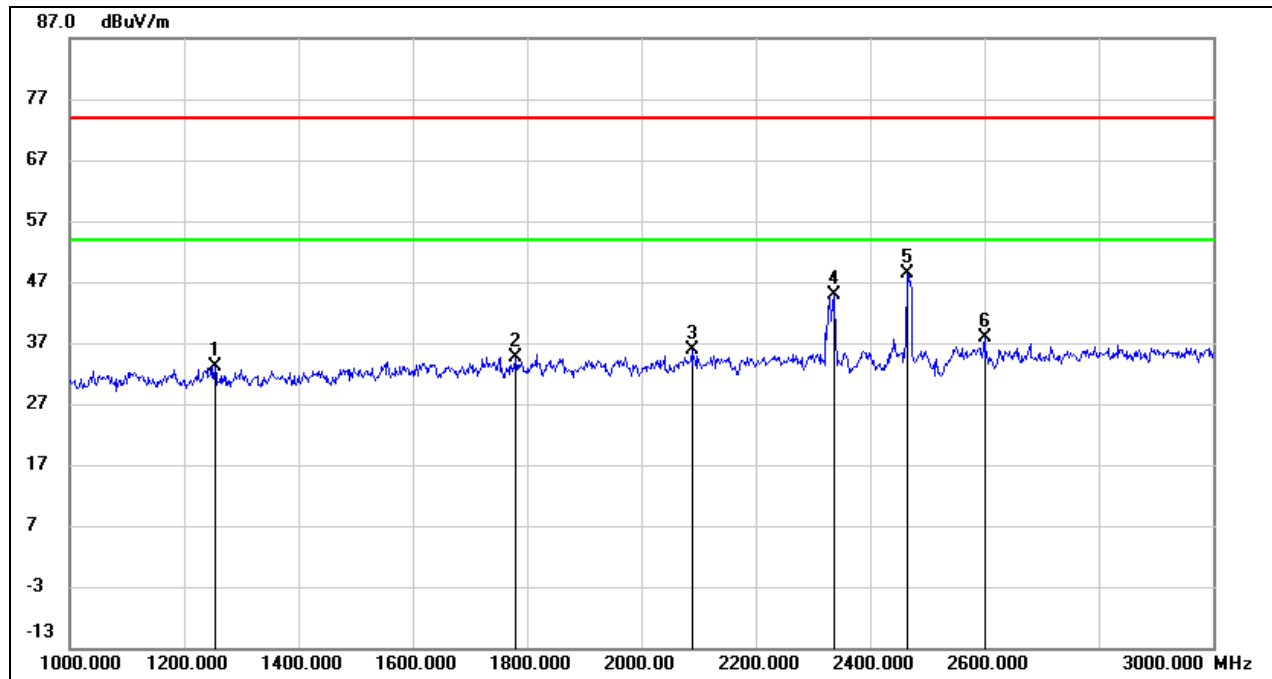
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1440.000	46.60	-12.14	34.46	74.00	-39.54	peak
2	1840.000	45.55	-10.21	35.34	74.00	-38.66	peak
3	2086.000	45.09	-9.58	35.51	74.00	-38.49	peak
4	2336.000	52.40	-7.87	44.53	74.00	-29.47	peak
5	2437.500	56.80	-7.44	49.36	/	/	fundamental
6	2604.000	45.34	-7.66	37.68	74.00	-36.32	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1634.000	55.22	-11.01	44.21	74.00	-29.79	peak
2	1756.000	50.82	-10.45	40.37	74.00	-33.63	peak
3	2330.000	49.24	-7.92	41.32	74.00	-32.68	peak
4	2467.500	51.82	-7.46	44.36	/	/	fundamental
5	2564.000	54.20	-7.62	46.58	74.00	-27.42	peak
6	2916.000	52.28	-6.27	46.01	74.00	-27.99	peak

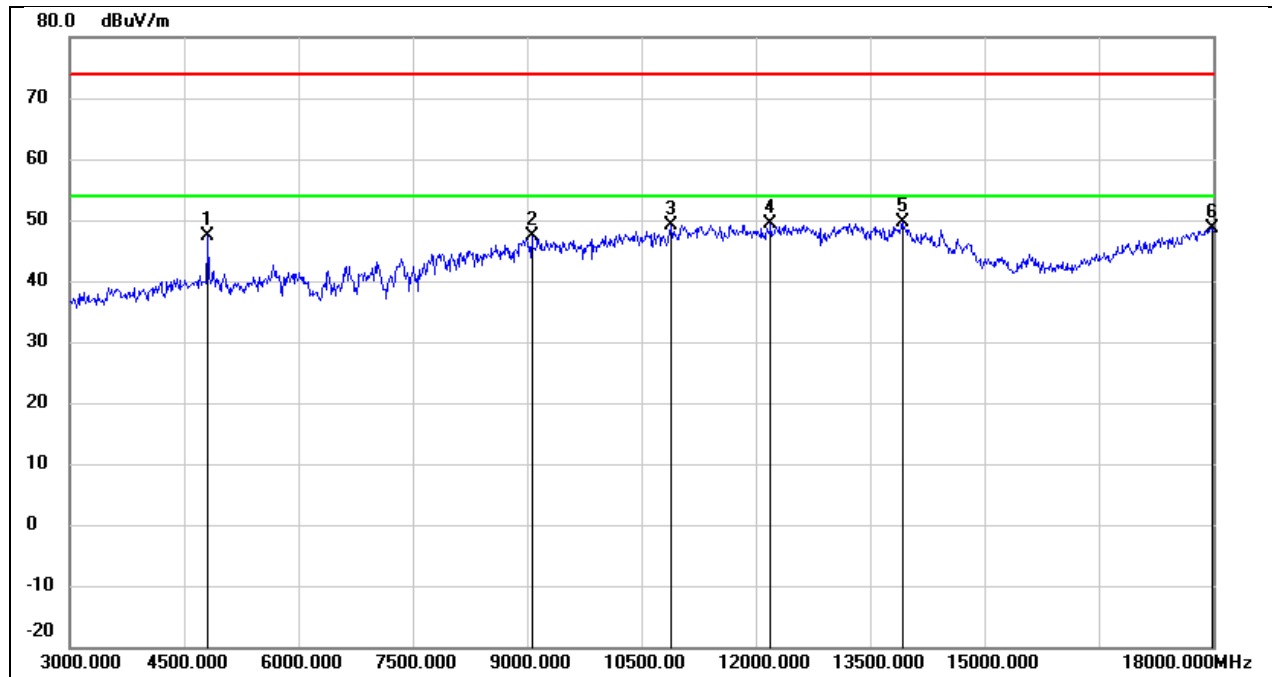
Test Mode:	SRD 10MHz	Frequency(MHz):	2467.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1254.000	45.83	-12.58	33.25	74.00	-40.75	peak
2	1780.000	44.99	-10.33	34.66	74.00	-39.34	peak
3	2088.000	45.33	-9.57	35.76	74.00	-38.24	peak
4	2336.000	52.77	-7.87	44.90	74.00	-29.10	peak
5	2467.500	55.92	-7.47	48.45	/	/	fundamental
6	2600.000	45.52	-7.68	37.84	74.00	-36.16	peak

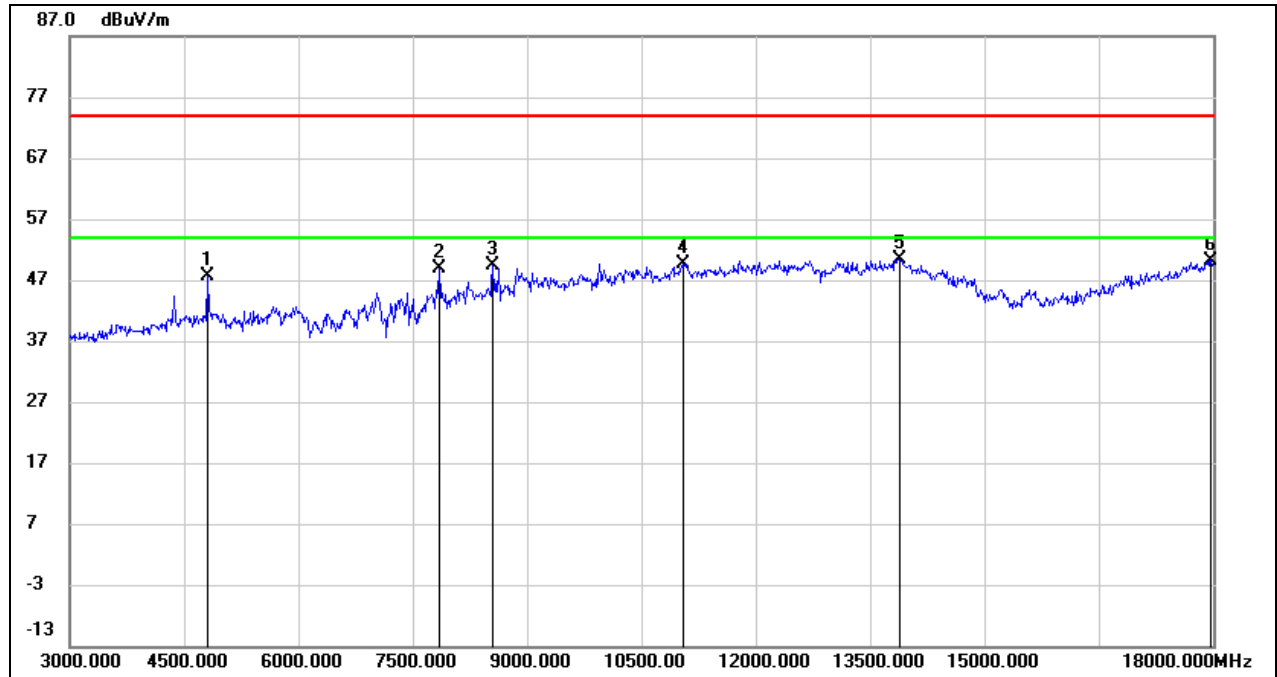
8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



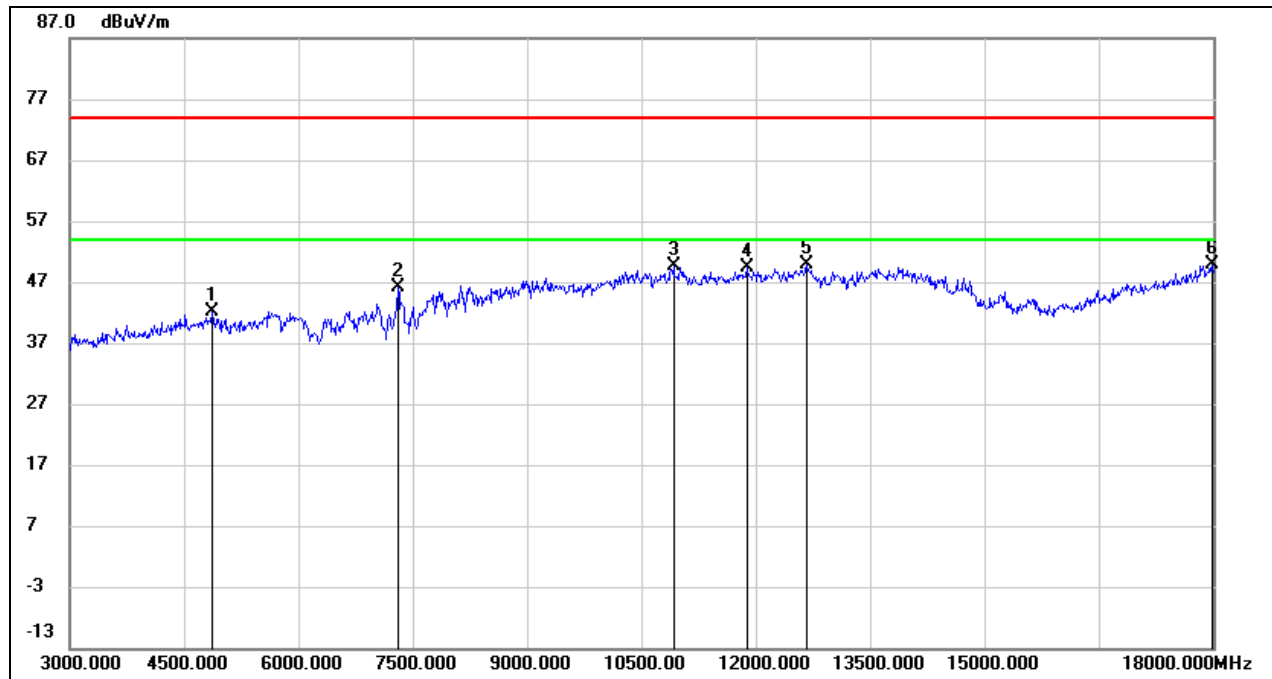
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	46.78	0.49	47.27	74.00	-26.73	peak
2	9060.000	36.55	10.82	47.37	74.00	-26.63	peak
3	10890.000	34.81	14.39	49.20	74.00	-24.80	peak
4	12195.000	30.96	18.32	49.28	74.00	-24.72	peak
5	13920.000	26.85	22.71	49.56	74.00	-24.44	peak
6	17985.000	21.86	26.77	48.63	74.00	-25.37	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



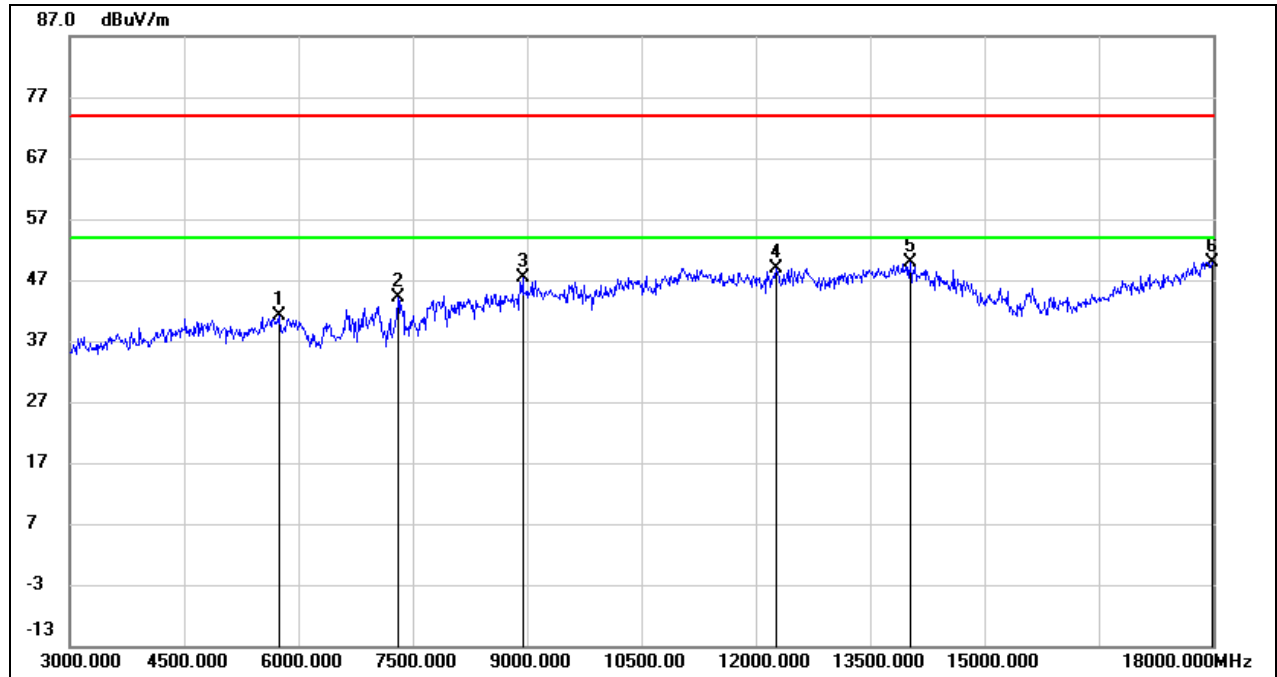
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4800.000	47.28	0.46	47.74	74.00	-26.26	peak
2	7845.000	41.51	7.42	48.93	74.00	-25.07	peak
3	8550.000	40.95	8.46	49.41	74.00	-24.59	peak
4	11055.000	34.54	15.04	49.58	74.00	-24.42	peak
5	13890.000	27.73	22.69	50.42	74.00	-23.58	peak
6	17970.000	23.53	26.72	50.25	74.00	-23.75	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



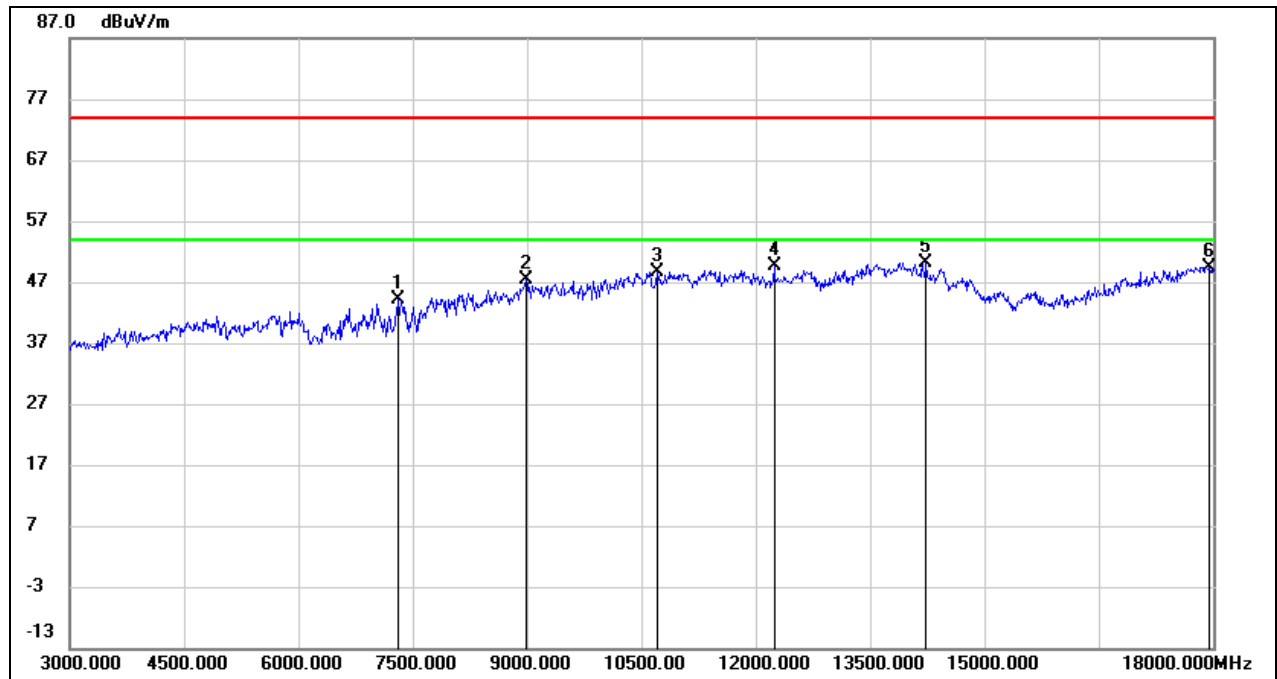
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	41.63	0.61	42.24	74.00	-31.76	peak
2	7305.000	39.31	6.89	46.20	74.00	-27.80	peak
3	10920.000	34.99	14.54	49.53	74.00	-24.47	peak
4	11880.000	31.48	17.97	49.45	74.00	-24.55	peak
5	12660.000	31.48	18.49	49.97	74.00	-24.03	peak
6	17985.000	23.16	26.77	49.93	74.00	-24.07	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



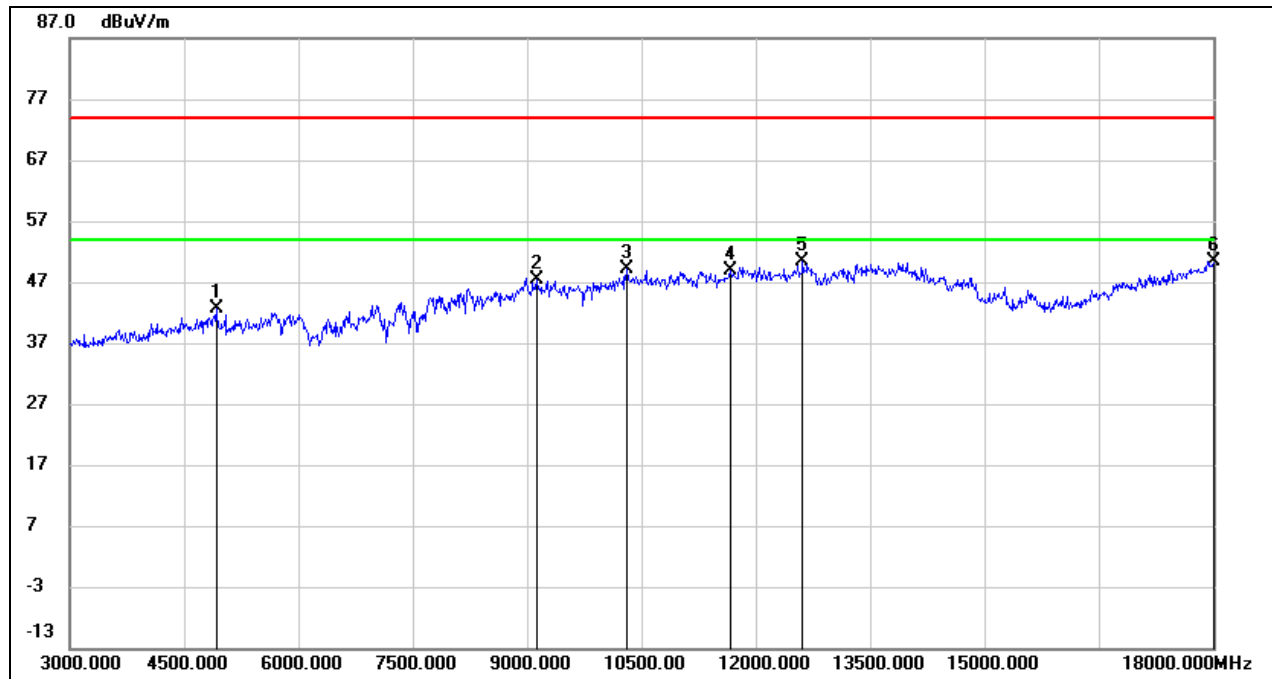
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5745.000	38.73	2.42	41.15	74.00	-32.85	peak
2	7305.000	37.35	6.89	44.24	74.00	-29.76	peak
3	8940.000	37.09	10.35	47.44	74.00	-26.56	peak
4	12270.000	30.45	18.55	49.00	74.00	-25.00	peak
5	14025.000	27.19	22.68	49.87	74.00	-24.13	peak
6	17985.000	23.13	26.77	49.90	74.00	-24.10	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



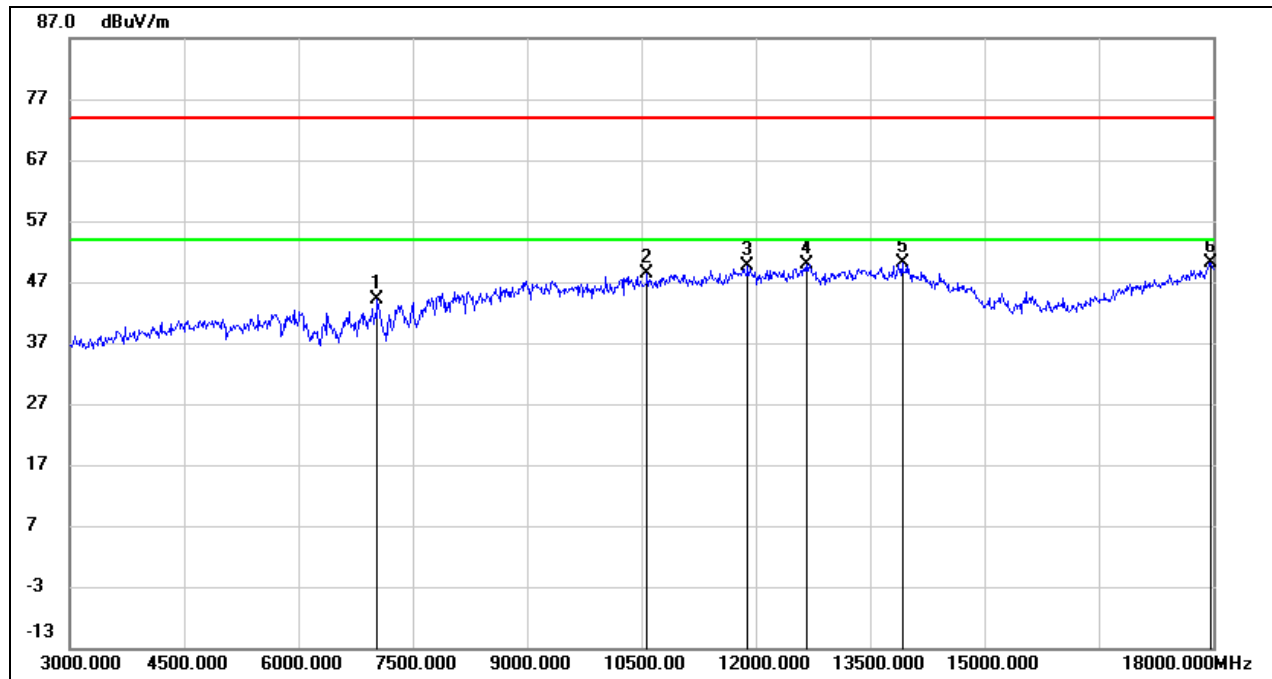
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7305.000	37.15	6.89	44.04	74.00	-29.96	peak
2	8985.000	36.39	10.97	47.36	74.00	-26.64	peak
3	10710.000	34.73	13.94	48.67	74.00	-25.33	peak
4	12240.000	31.20	18.46	49.66	74.00	-24.34	peak
5	14235.000	28.15	21.95	50.10	74.00	-23.90	peak
6	17940.000	22.86	26.61	49.47	74.00	-24.53	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2467.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



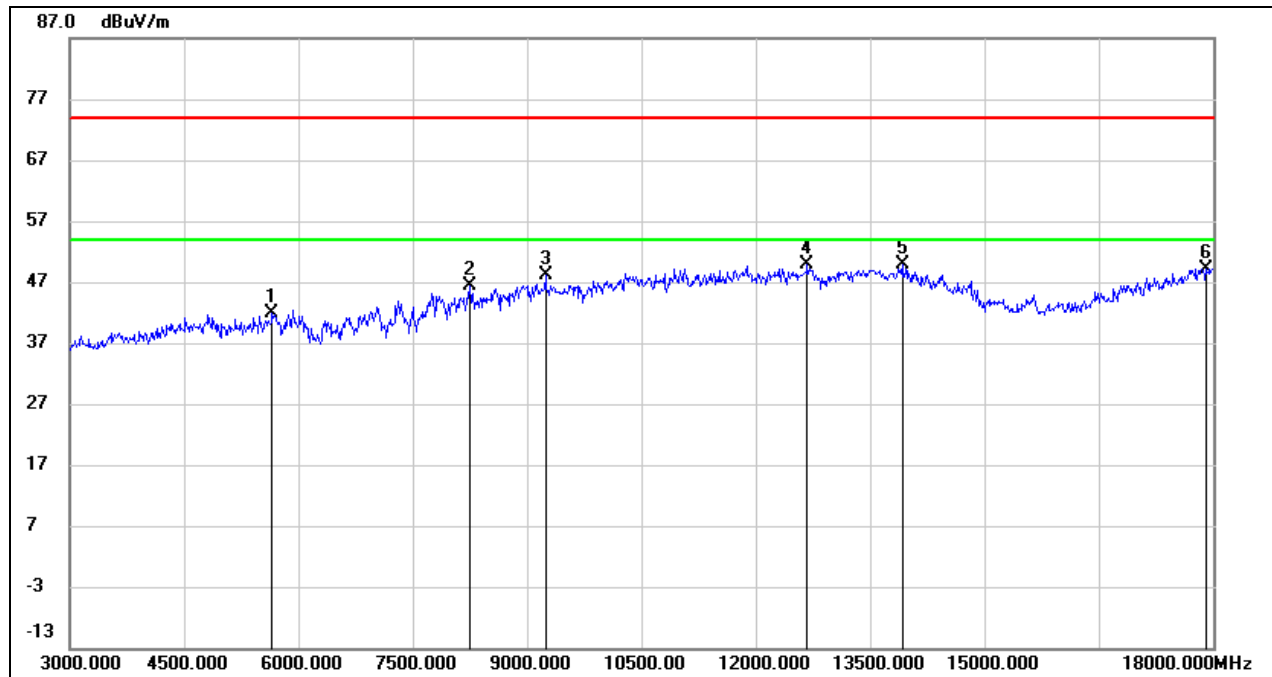
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	41.96	0.69	42.65	74.00	-31.35	peak
2	9120.000	36.95	10.47	47.42	74.00	-26.58	peak
3	10305.000	36.03	13.00	49.03	74.00	-24.97	peak
4	11670.000	31.55	17.24	48.79	74.00	-25.21	peak
5	12615.000	31.95	18.33	50.28	74.00	-23.72	peak
6	18000.000	23.53	26.83	50.36	74.00	-23.64	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



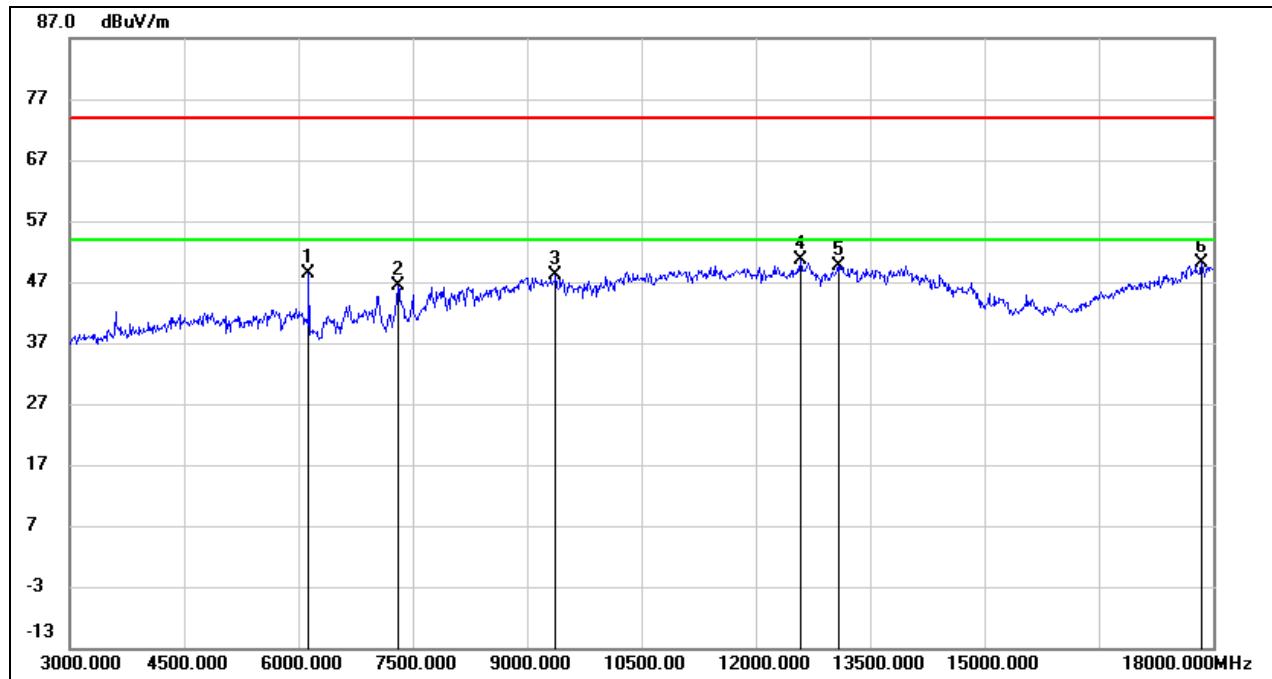
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7035.000	36.82	7.28	44.10	74.00	-29.90	peak
2	10575.000	34.60	13.87	48.47	74.00	-25.53	peak
3	11895.000	31.53	18.04	49.57	74.00	-24.43	peak
4	12660.000	31.37	18.49	49.86	74.00	-24.14	peak
5	13920.000	27.30	22.71	50.01	74.00	-23.99	peak
6	17970.000	23.36	26.72	50.08	74.00	-23.92	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2412.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



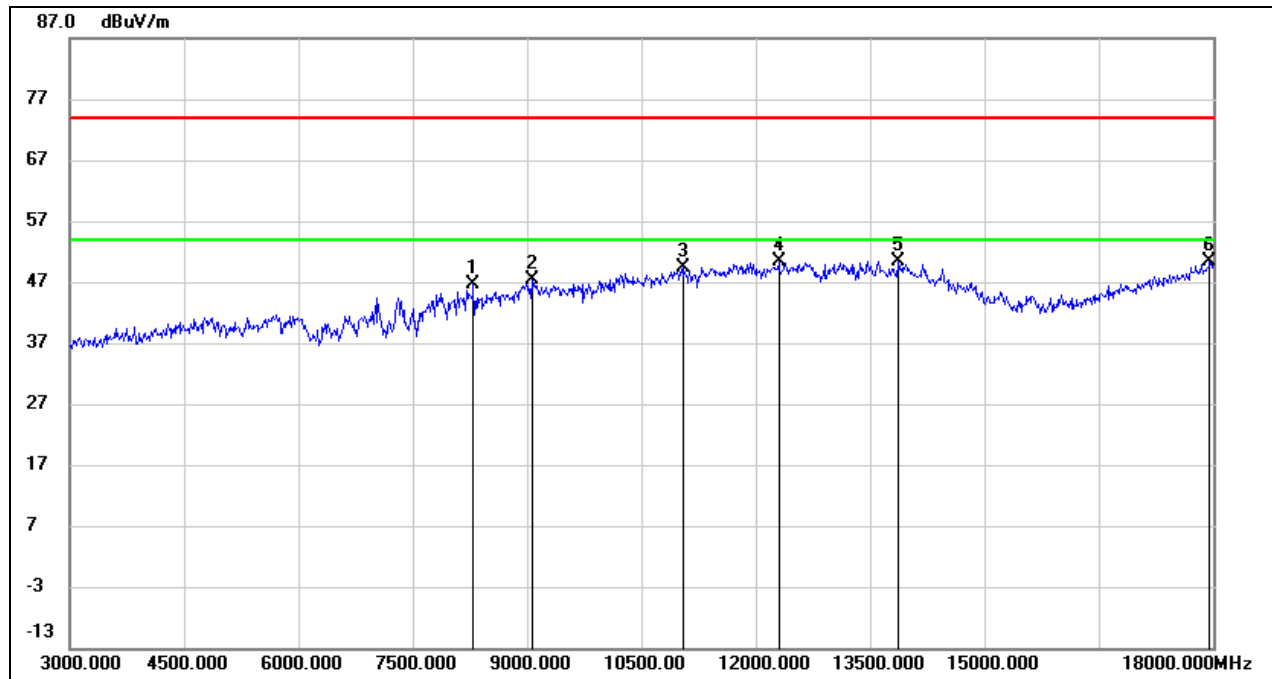
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5655.000	39.14	2.67	41.81	74.00	-32.19	peak
2	8250.000	37.71	8.61	46.32	74.00	-27.68	peak
3	9240.000	37.92	10.10	48.02	74.00	-25.98	peak
4	12675.000	31.22	18.54	49.76	74.00	-24.24	peak
5	13920.000	27.15	22.71	49.86	74.00	-24.14	peak
6	17910.000	22.70	26.50	49.20	74.00	-24.80	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



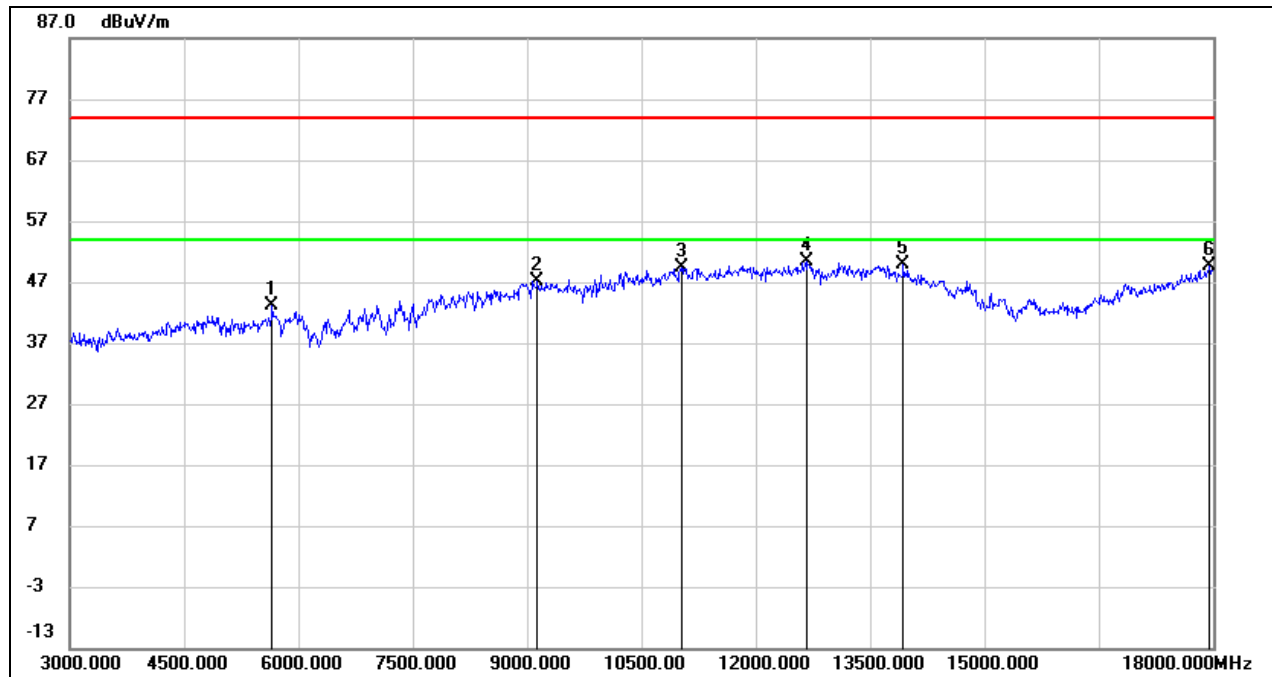
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6135.000	45.57	2.85	48.42	74.00	-25.58	peak
2	7305.000	39.44	6.89	46.33	74.00	-27.67	peak
3	9375.000	37.84	10.40	48.24	74.00	-25.76	peak
4	12585.000	32.21	18.31	50.52	74.00	-23.48	peak
5	13080.000	30.17	19.50	49.67	74.00	-24.33	peak
6	17850.000	23.79	26.28	50.07	74.00	-23.93	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



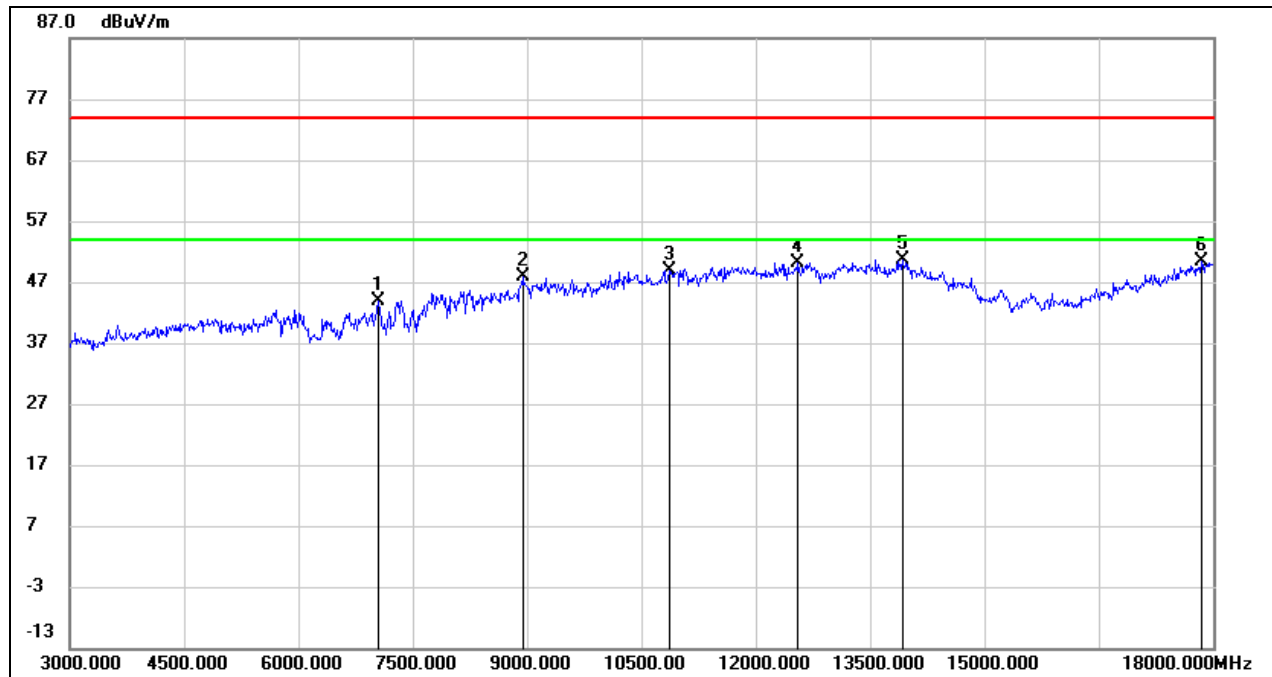
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8295.000	38.15	8.38	46.53	74.00	-27.47	peak
2	9060.000	36.67	10.82	47.49	74.00	-26.51	peak
3	11040.000	34.49	15.01	49.50	74.00	-24.50	peak
4	12300.000	31.84	18.65	50.49	74.00	-23.51	peak
5	13875.000	27.66	22.68	50.34	74.00	-23.66	peak
6	17955.000	23.64	26.66	50.30	74.00	-23.70	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



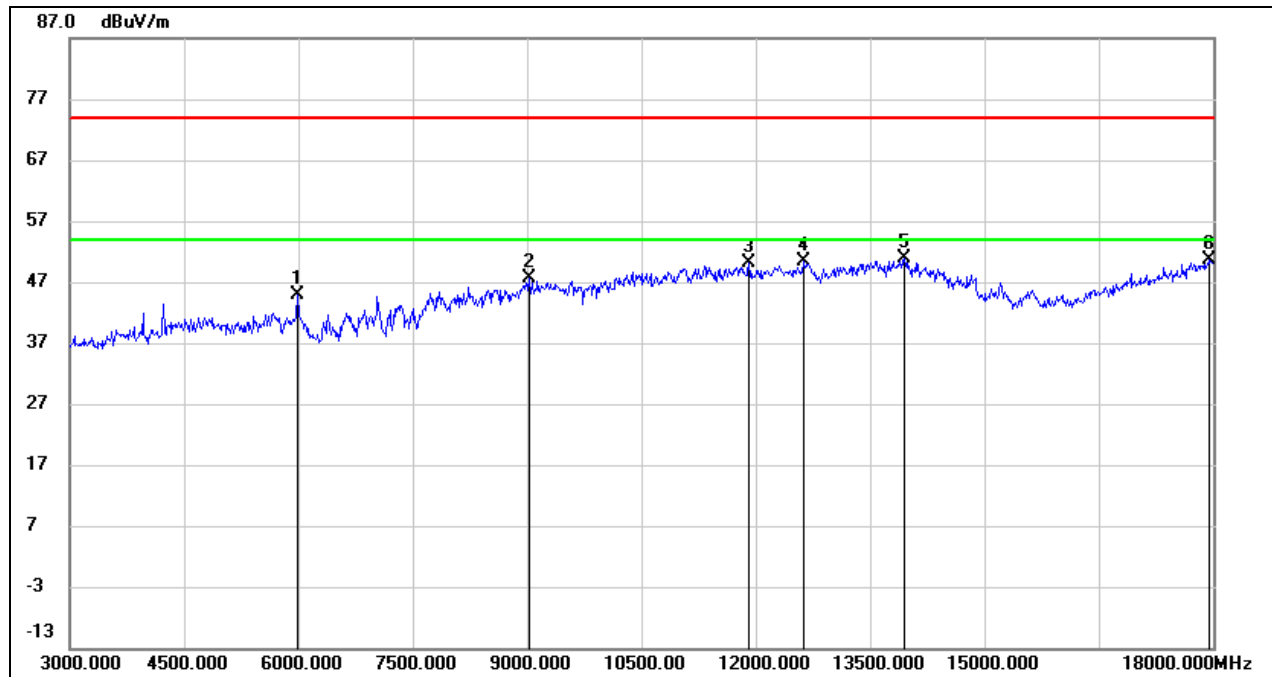
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5655.000	40.48	2.67	43.15	74.00	-30.85	peak
2	9135.000	36.76	10.39	47.15	74.00	-26.85	peak
3	11025.000	34.35	14.97	49.32	74.00	-24.68	peak
4	12675.000	31.90	18.54	50.44	74.00	-23.56	peak
5	13935.000	27.04	22.72	49.76	74.00	-24.24	peak
6	17955.000	22.87	26.66	49.53	74.00	-24.47	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2462.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



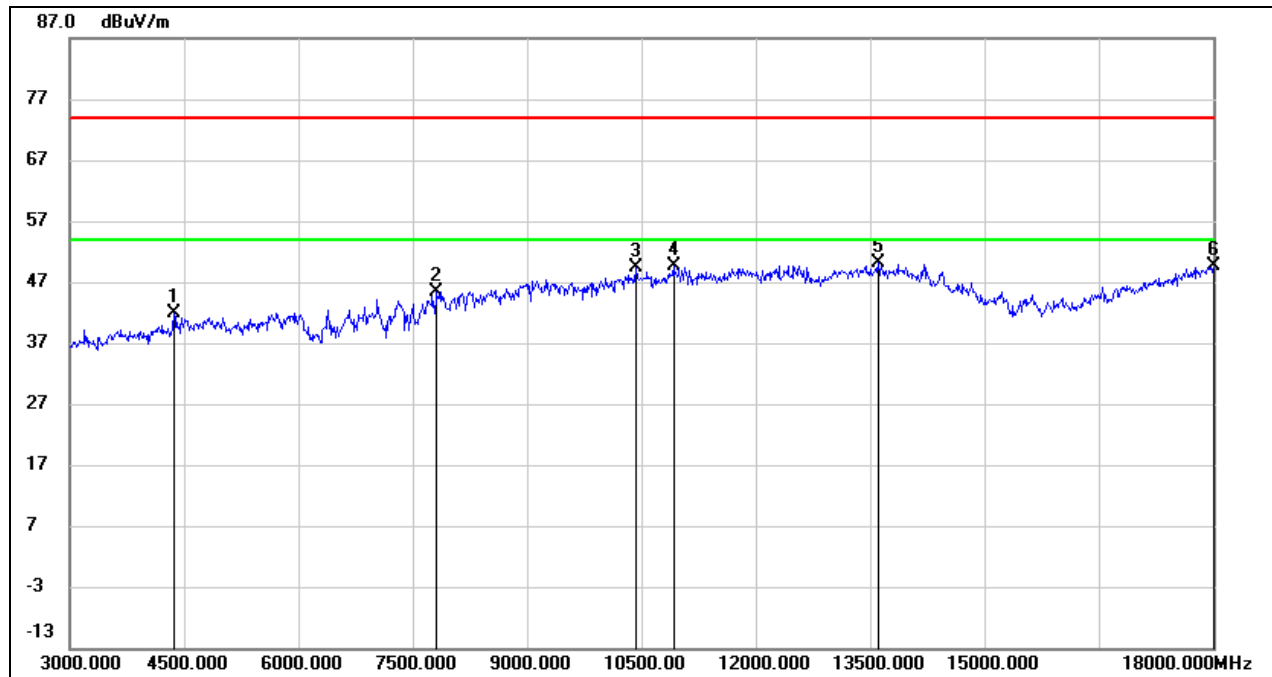
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7050.000	36.67	7.19	43.86	74.00	-30.14	peak
2	8940.000	37.65	10.35	48.00	74.00	-26.00	peak
3	10875.000	34.64	14.31	48.95	74.00	-25.05	peak
4	12555.000	31.78	18.39	50.17	74.00	-23.83	peak
5	13920.000	27.92	22.71	50.63	74.00	-23.37	peak
6	17850.000	24.08	26.28	50.36	74.00	-23.64	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



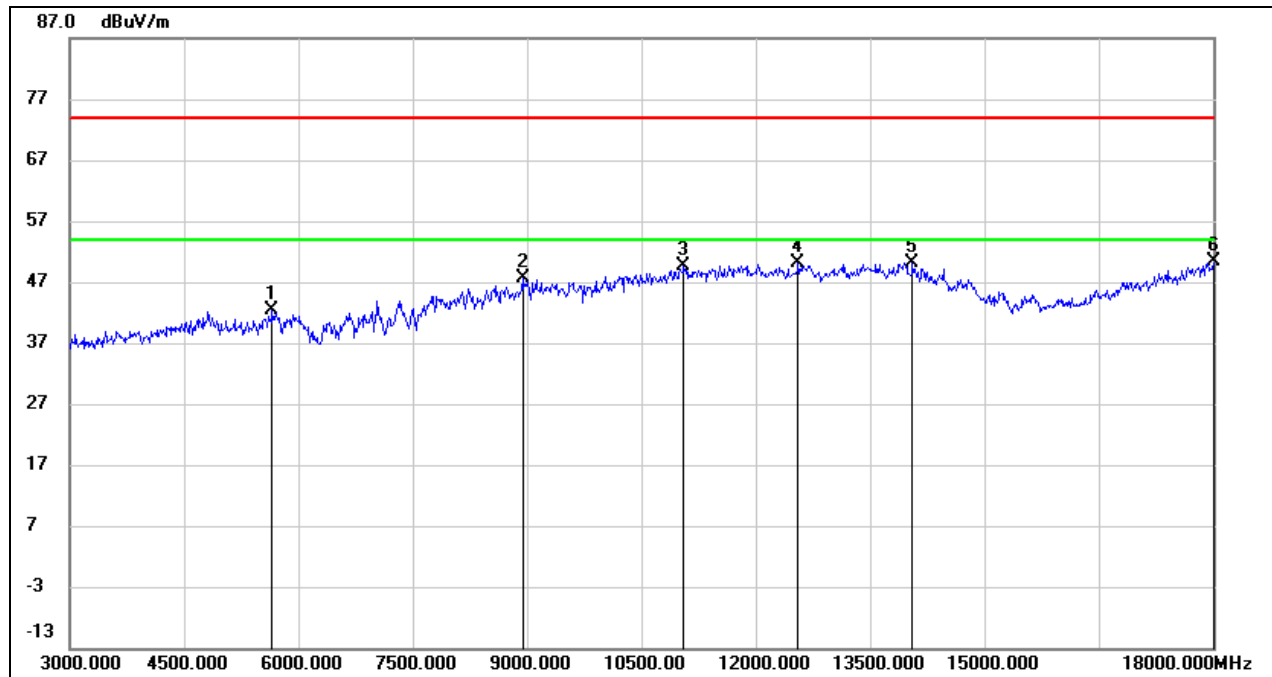
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5985.000	41.84	3.05	44.89	74.00	-29.11	peak
2	9030.000	36.72	11.00	47.72	74.00	-26.28	peak
3	11910.000	32.04	18.11	50.15	74.00	-23.85	peak
4	12630.000	32.06	18.39	50.45	74.00	-23.55	peak
5	13950.000	28.11	22.73	50.84	74.00	-23.16	peak
6	17955.000	24.05	26.66	50.71	74.00	-23.29	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2422.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



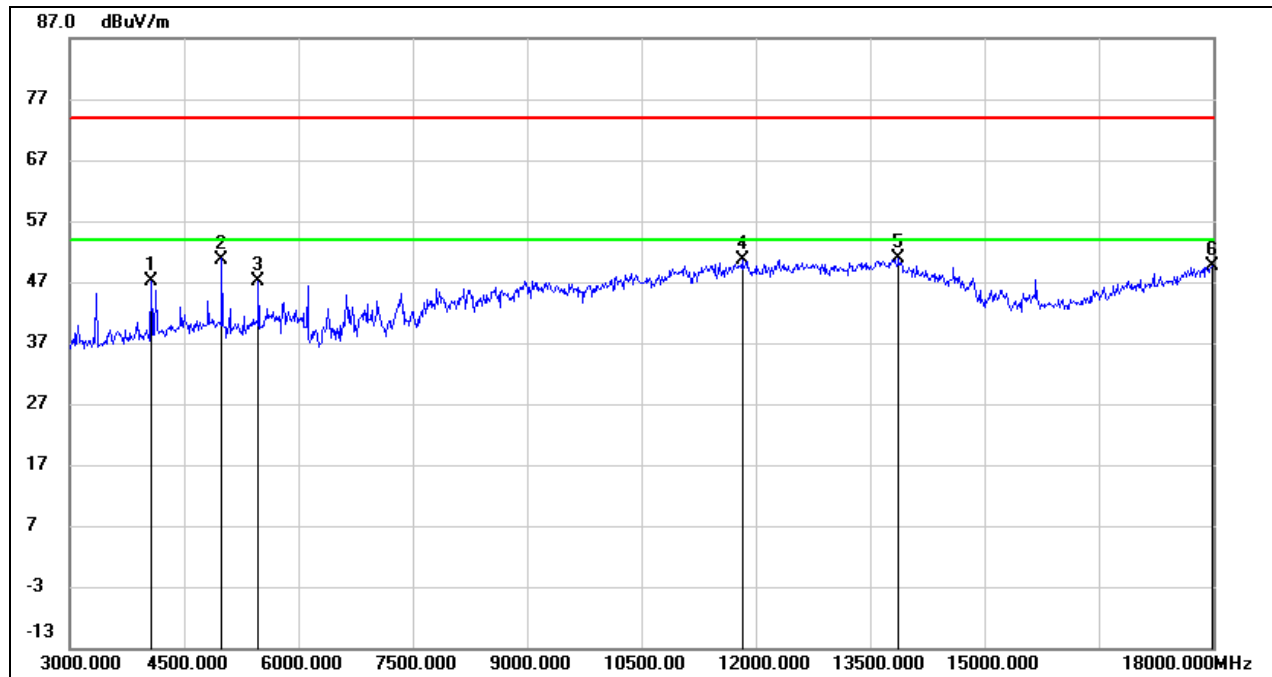
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4365.000	43.06	-1.09	41.97	74.00	-32.03	peak
2	7815.000	37.99	7.50	45.49	74.00	-28.51	peak
3	10425.000	35.96	13.51	49.47	74.00	-24.53	peak
4	10920.000	35.02	14.54	49.56	74.00	-24.44	peak
5	13605.000	28.37	21.68	50.05	74.00	-23.95	peak
6	18000.000	22.69	26.83	49.52	74.00	-24.48	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



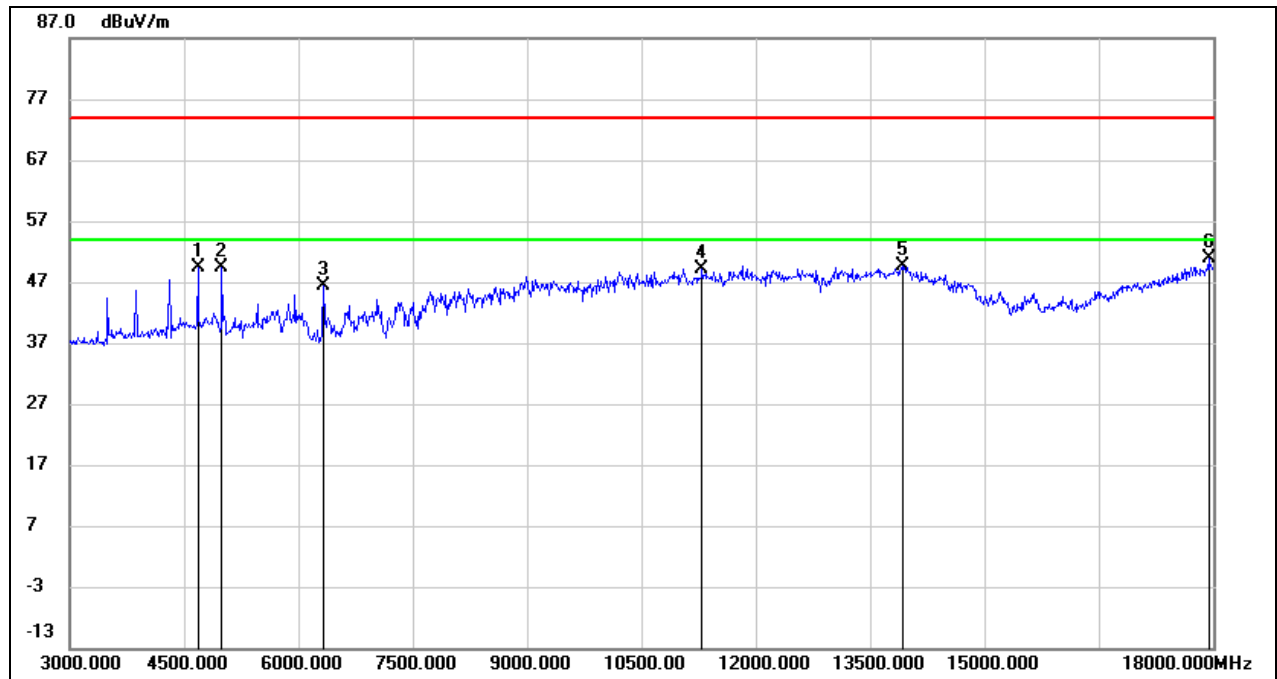
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5655.000	39.66	2.67	42.33	74.00	-31.67	peak
2	8940.000	37.27	10.35	47.62	74.00	-26.38	peak
3	11055.000	34.60	15.04	49.64	74.00	-24.36	peak
4	12555.000	31.74	18.39	50.13	74.00	-23.87	peak
5	14055.000	27.56	22.60	50.16	74.00	-23.84	peak
6	18000.000	23.44	26.83	50.27	74.00	-23.73	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



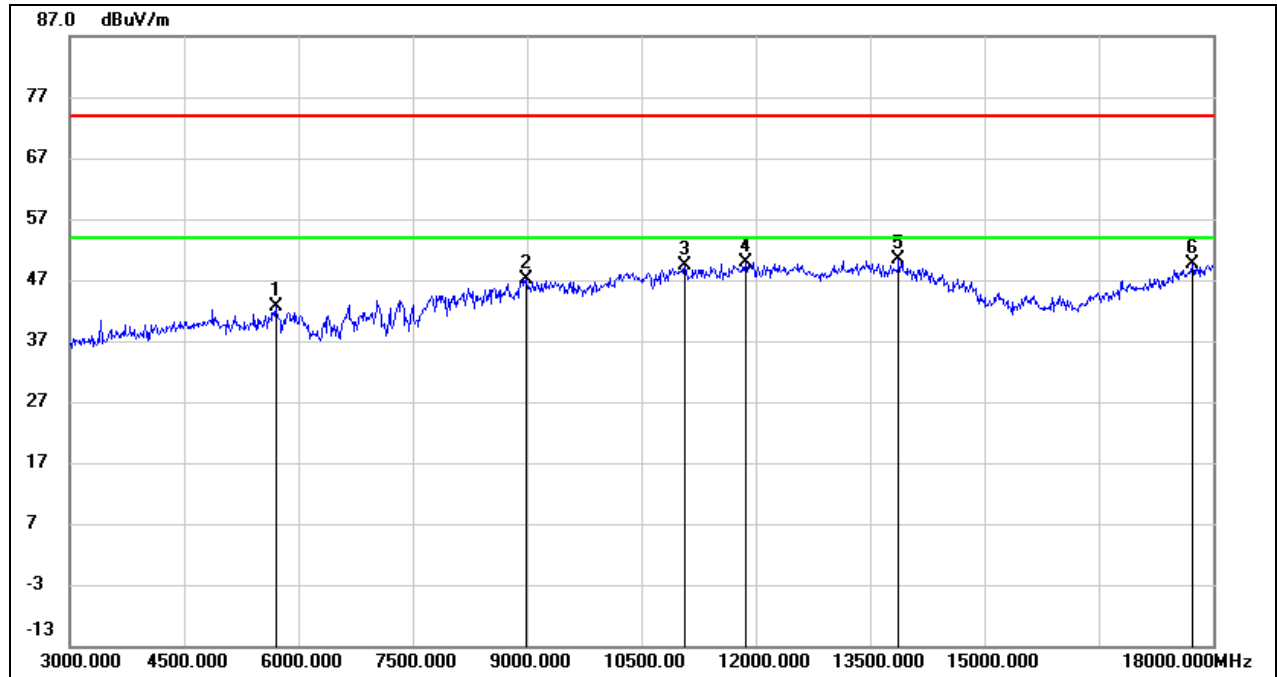
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4065.000	49.50	-2.38	47.12	74.00	-26.88	peak
2	4995.000	49.92	0.83	50.75	74.00	-23.25	peak
3	5475.000	45.00	2.19	47.19	74.00	-26.81	peak
4	11820.000	32.82	17.73	50.55	74.00	-23.45	peak
5	13875.000	28.13	22.68	50.81	74.00	-23.19	peak
6	17985.000	22.76	26.77	49.53	74.00	-24.47	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



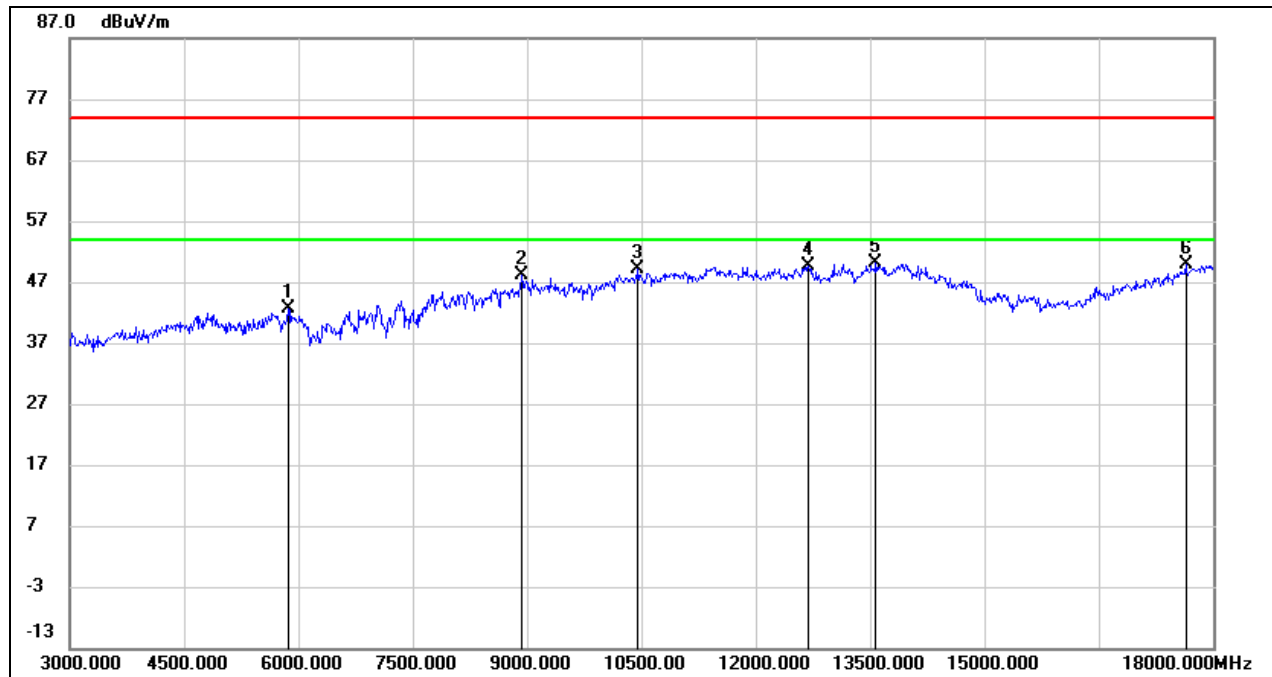
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4680.000	49.64	-0.16	49.48	74.00	-24.52	peak
2	4995.000	48.59	0.83	49.42	74.00	-24.58	peak
3	6330.000	42.86	3.48	46.34	74.00	-27.66	peak
4	11295.000	33.22	15.93	49.15	74.00	-24.85	peak
5	13935.000	26.88	22.72	49.60	74.00	-24.40	peak
6	17940.000	24.25	26.61	50.86	74.00	-23.14	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2452.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



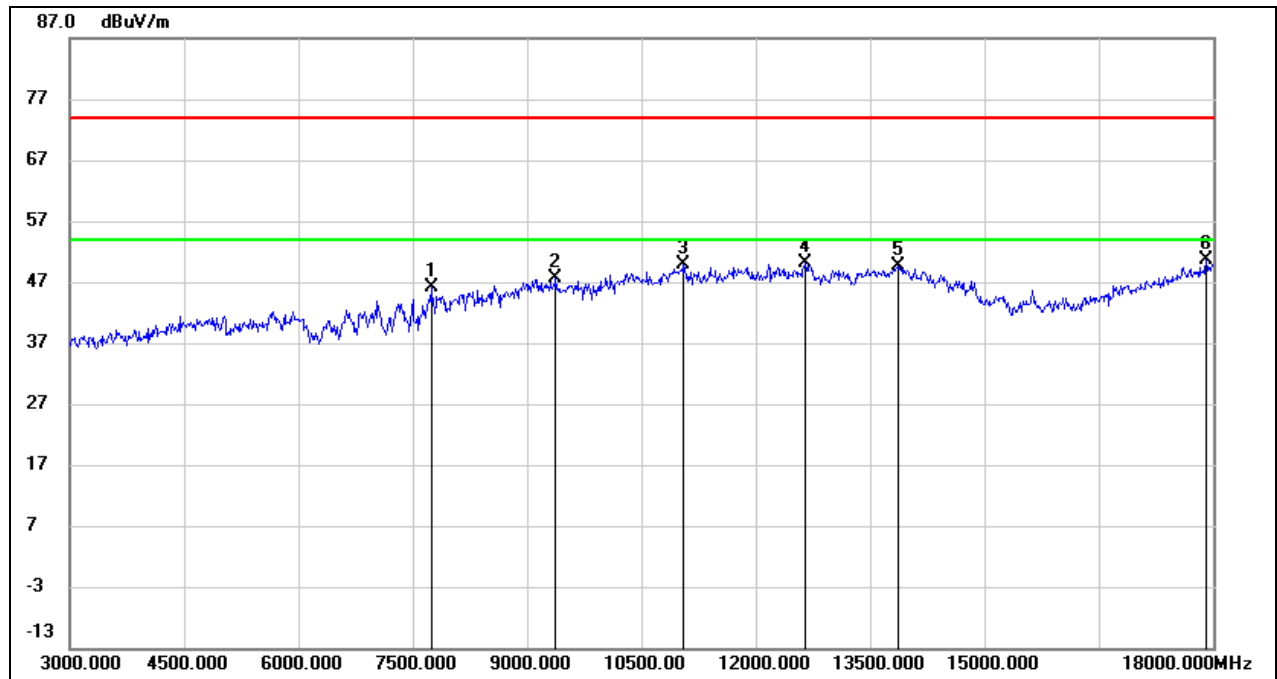
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.000	40.04	2.54	42.58	74.00	-31.42	peak
2	8985.000	36.07	10.97	47.04	74.00	-26.96	peak
3	11070.000	34.23	15.08	49.31	74.00	-24.69	peak
4	11865.000	32.07	17.91	49.98	74.00	-24.02	peak
5	13875.000	27.70	22.68	50.38	74.00	-23.62	peak
6	17730.000	24.13	25.44	49.57	74.00	-24.43	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2432.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



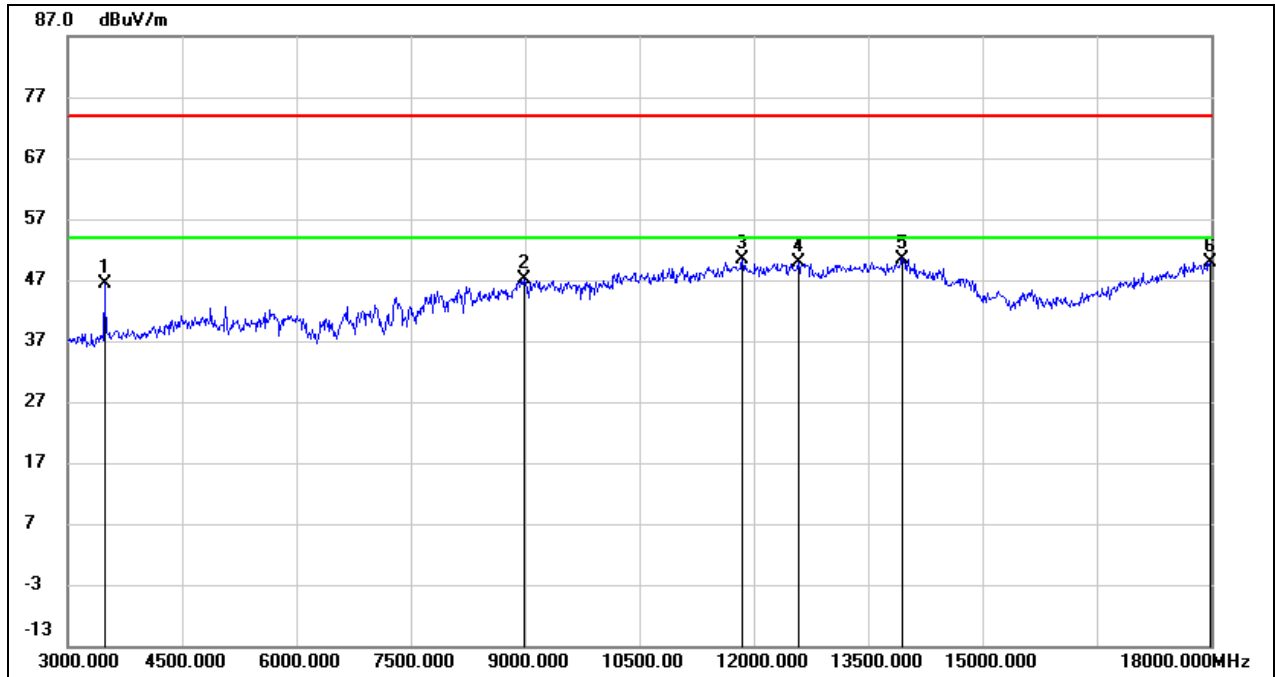
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5865.000	40.07	2.55	42.62	74.00	-31.38	peak
2	8925.000	37.99	10.14	48.13	74.00	-25.87	peak
3	10455.000	35.66	13.59	49.25	74.00	-24.75	peak
4	12690.000	31.04	18.60	49.64	74.00	-24.36	peak
5	13575.000	28.50	21.67	50.17	74.00	-23.83	peak
6	17640.000	25.34	24.61	49.95	74.00	-24.05	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2432.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



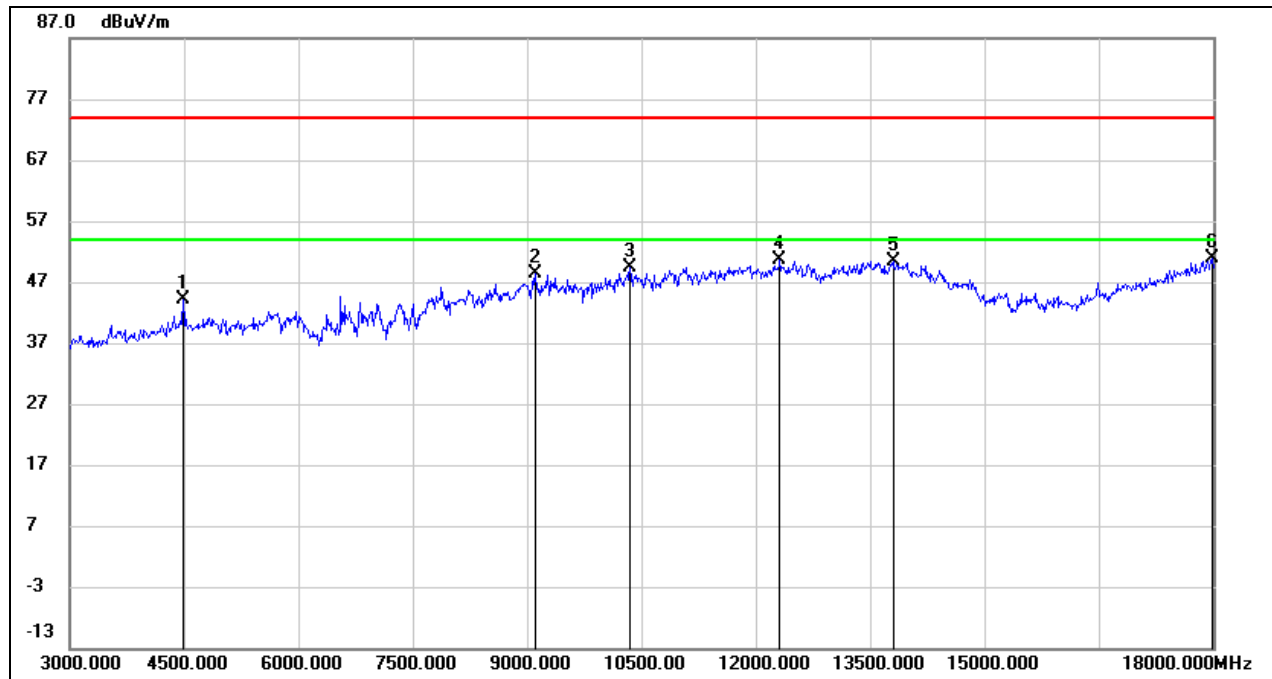
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7740.000	38.68	7.33	46.01	74.00	-27.99	peak
2	9375.000	37.34	10.40	47.74	74.00	-26.26	peak
3	11055.000	34.80	15.04	49.84	74.00	-24.16	peak
4	12645.000	31.61	18.44	50.05	74.00	-23.95	peak
5	13875.000	26.91	22.68	49.59	74.00	-24.41	peak
6	17910.000	24.11	26.50	50.61	74.00	-23.39	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



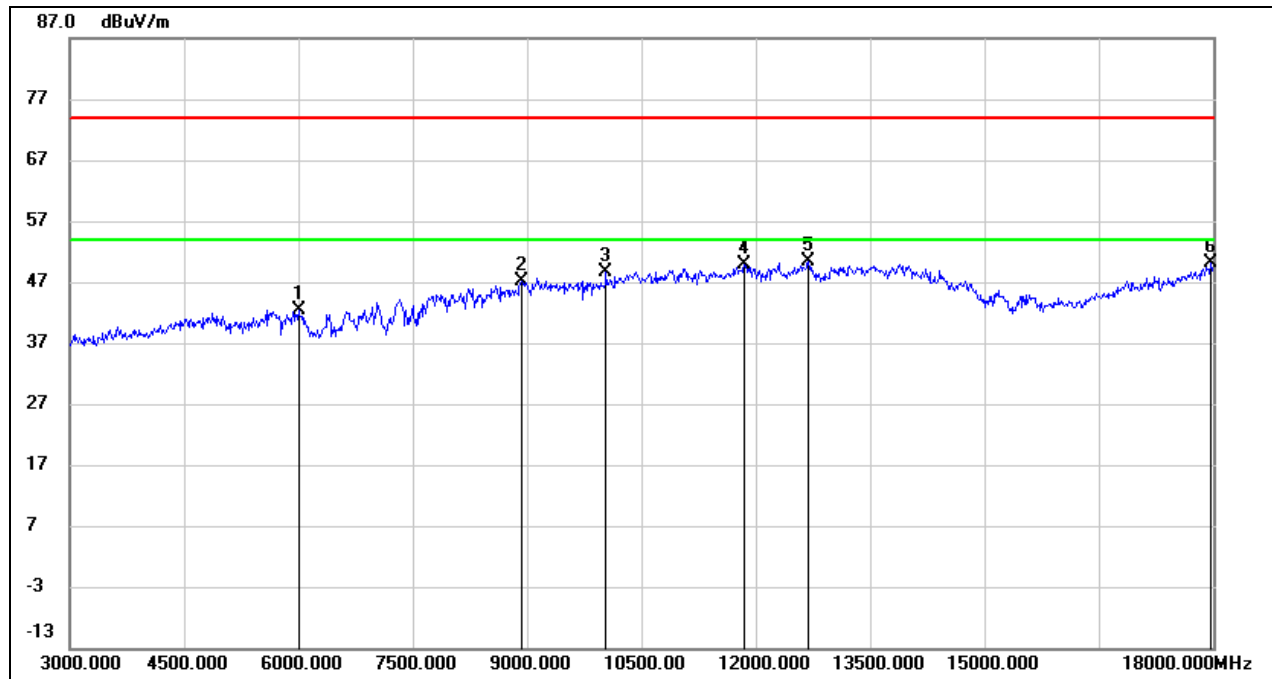
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3480.000	50.43	-4.08	46.35	74.00	-27.65	peak
2	8985.000	36.20	10.97	47.17	74.00	-26.83	peak
3	11850.000	32.57	17.84	50.41	74.00	-23.59	peak
4	12585.000	31.61	18.31	49.92	74.00	-24.08	peak
5	13950.000	27.77	22.73	50.50	74.00	-23.50	peak
6	17985.000	23.07	26.77	49.84	74.00	-24.16	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



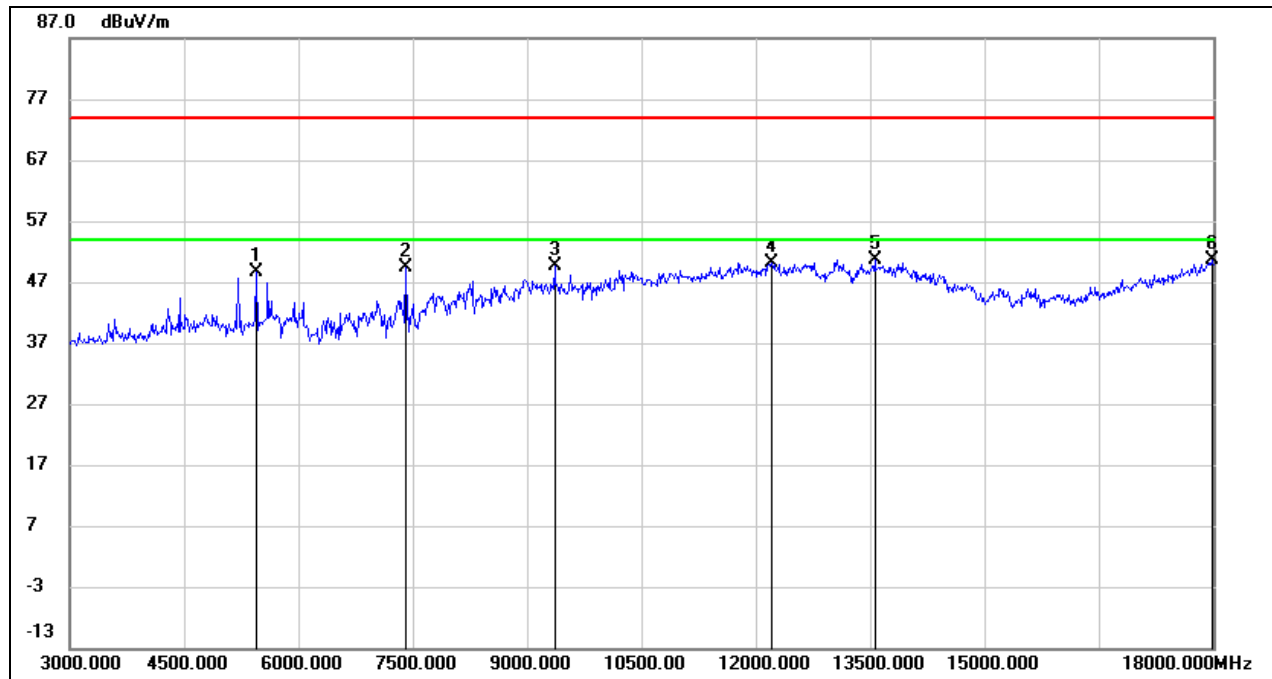
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4485.000	44.96	-0.79	44.17	74.00	-29.83	peak
2	9105.000	37.89	10.57	48.46	74.00	-25.54	peak
3	10350.000	36.08	13.21	49.29	74.00	-24.71	peak
4	12315.000	32.01	18.71	50.72	74.00	-23.28	peak
5	13800.000	27.65	22.64	50.29	74.00	-23.71	peak
6	17985.000	24.17	26.77	50.94	74.00	-23.06	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2442.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6000.000	39.35	3.11	42.46	74.00	-31.54	peak
2	8925.000	36.94	10.14	47.08	74.00	-26.92	peak
3	10035.000	36.18	12.48	48.66	74.00	-25.34	peak
4	11850.000	31.99	17.84	49.83	74.00	-24.17	peak
5	12690.000	31.73	18.60	50.33	74.00	-23.67	peak
6	17970.000	23.44	26.72	50.16	74.00	-23.84	peak

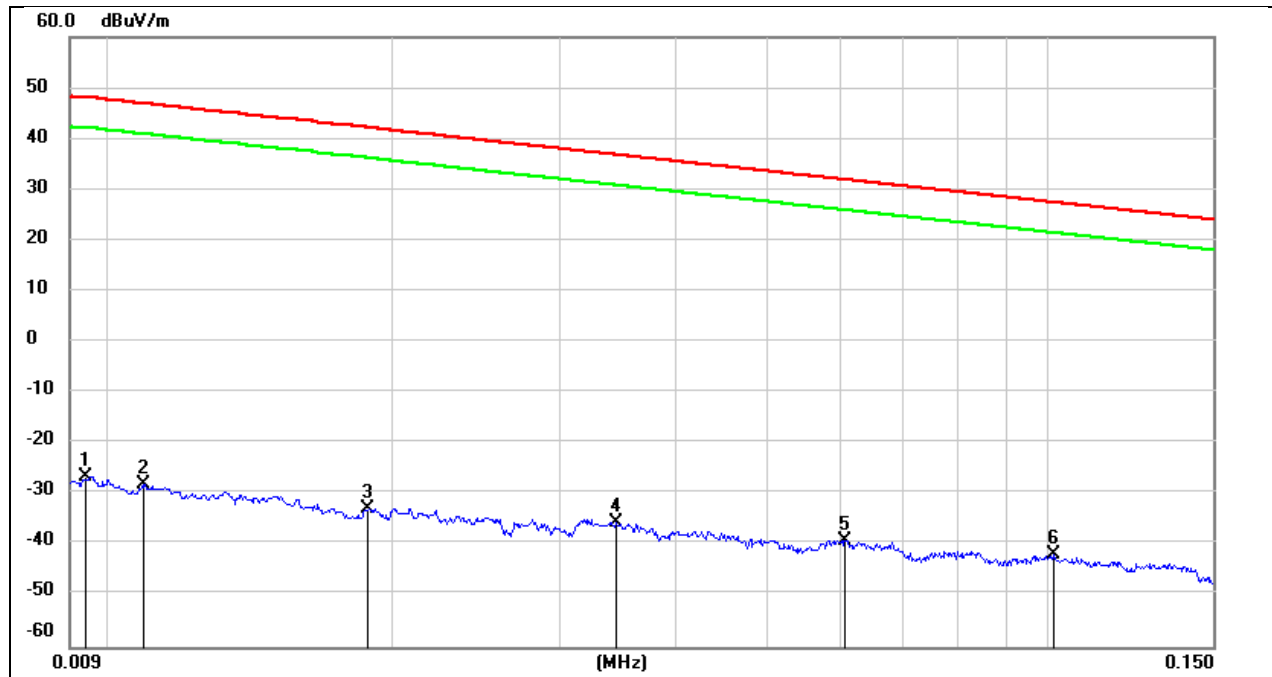
Test Mode:	SRD 60MHz	Frequency(MHz):	2442.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5445.000	46.58	2.01	48.59	74.00	-25.41	peak
2	7410.000	42.05	7.43	49.48	74.00	-24.52	peak
3	9360.000	39.27	10.36	49.63	74.00	-24.37	peak
4	12210.000	31.89	18.35	50.24	74.00	-23.76	peak
5	13560.000	28.92	21.67	50.59	74.00	-23.41	peak
6	17985.000	23.97	26.77	50.74	74.00	-23.26	peak

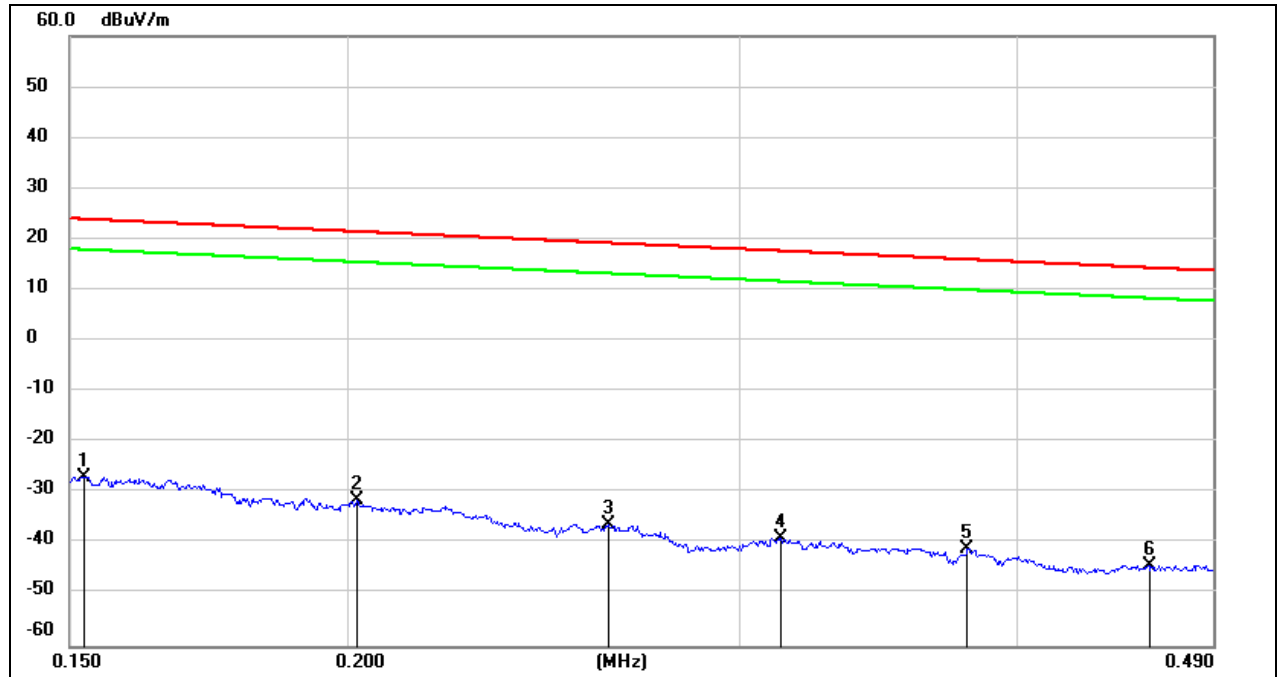
8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	SRD 2.4G	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



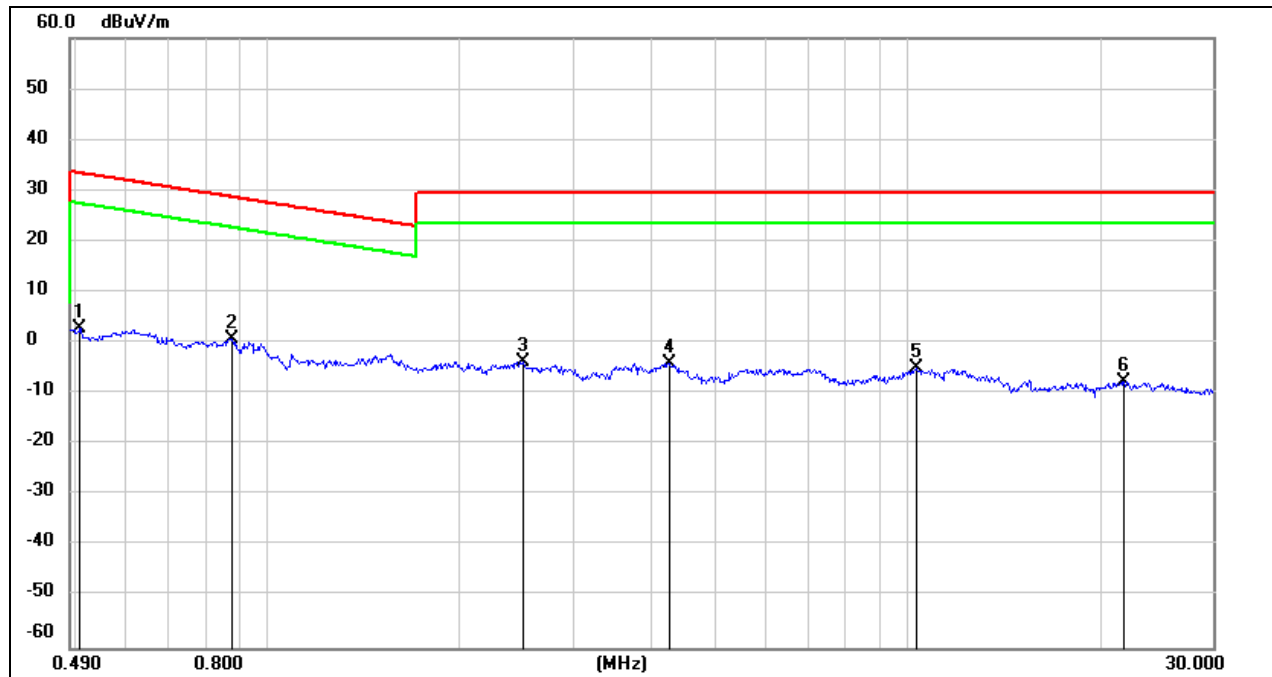
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0094	74.66	-101.35	-26.69	48.05	-74.74	peak
2	0.0108	73.28	-101.39	-28.11	46.93	-75.04	peak
3	0.0188	68.64	-101.35	-32.71	42.12	-74.83	peak
4	0.0345	65.88	-101.41	-35.53	36.85	-72.38	peak
5	0.0606	62.45	-101.52	-39.07	31.95	-71.02	peak
6	0.1014	60.06	-101.79	-41.73	27.48	-69.21	peak

Test Mode:	SRD 2.4G	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1524	74.80	-101.63	-26.83	23.94	-50.77	peak
2	0.2020	70.50	-101.72	-31.22	21.49	-52.71	peak
3	0.2620	65.81	-101.81	-36.00	19.24	-55.24	peak
4	0.3135	63.01	-101.87	-38.86	17.68	-56.54	peak
5	0.3800	61.02	-101.94	-40.92	16.01	-56.93	peak
6	0.4586	57.76	-102.02	-44.26	14.37	-58.63	peak

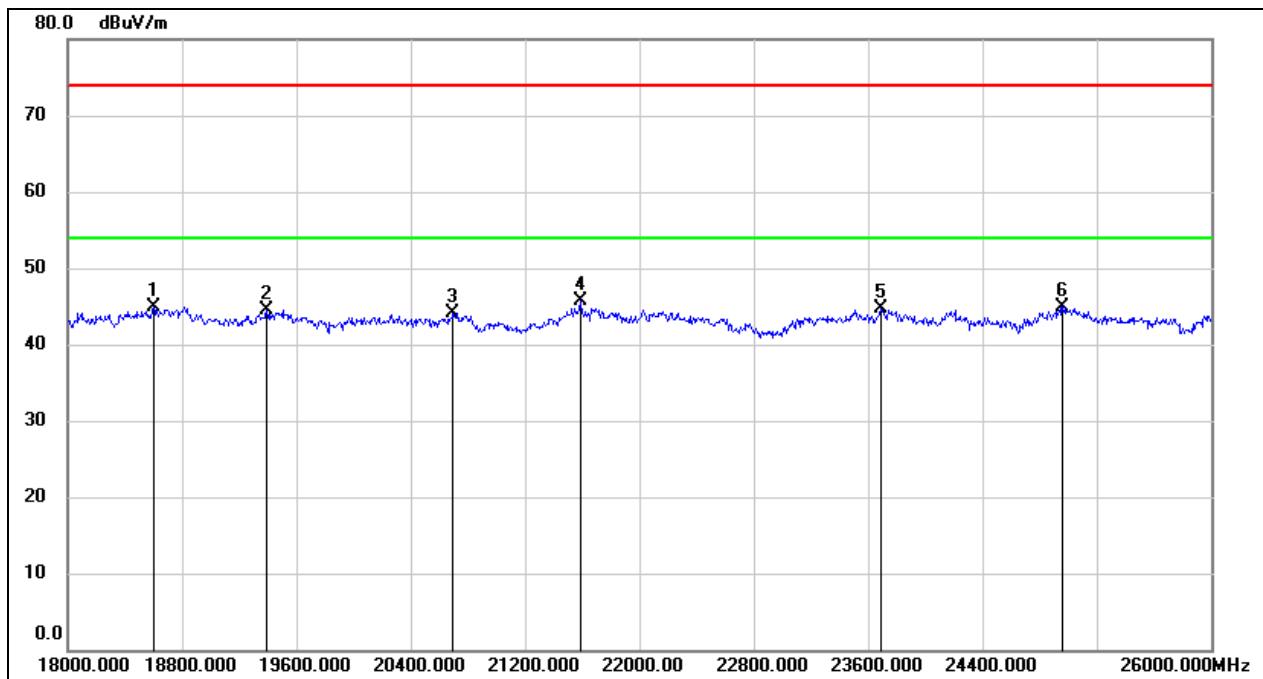
Test Mode:	SRD 2.4G	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5080	64.85	-62.07	2.78	33.49	-30.71	peak
2	0.8789	63.06	-62.19	0.87	28.73	-27.86	peak
3	2.5095	58.05	-61.70	-3.65	29.54	-33.19	peak
4	4.2492	57.35	-61.37	-4.02	29.54	-33.56	peak
5	10.3460	55.77	-60.81	-5.04	29.54	-34.58	peak
6	21.7667	53.12	-60.70	-7.58	29.54	-37.12	peak

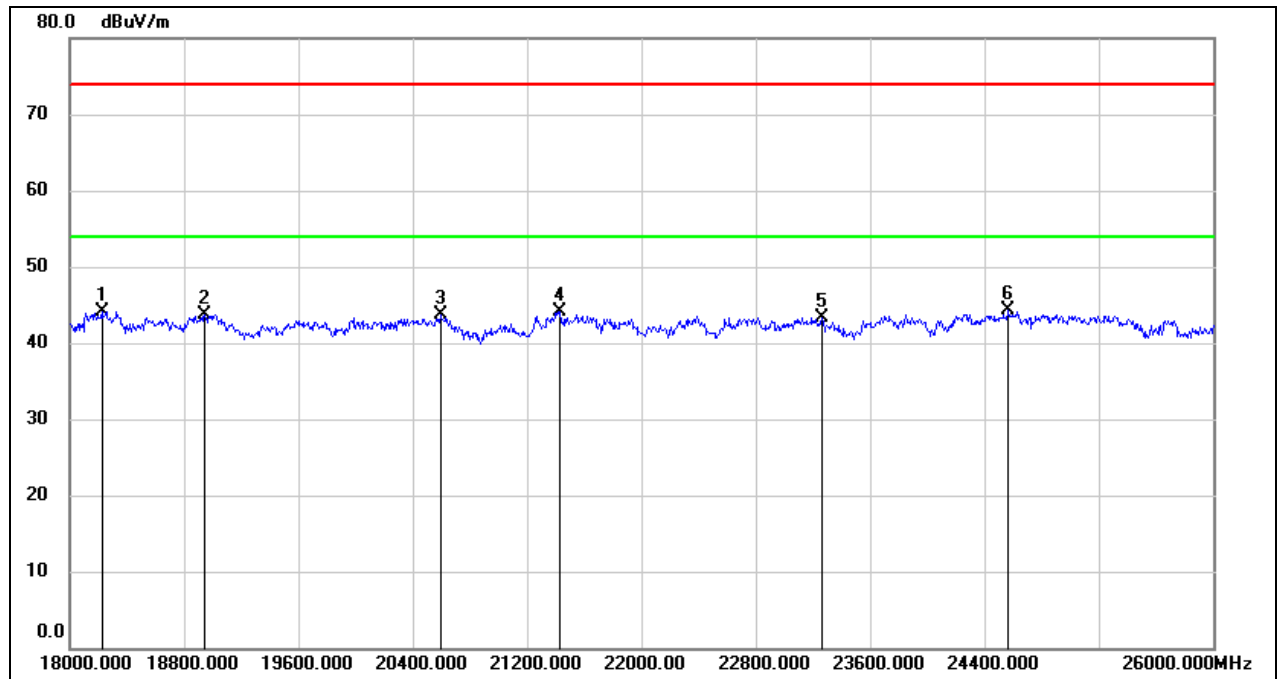
8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	SRD 2.4G	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18600.000	50.26	-5.32	44.94	74.00	-29.06	peak
2	19392.000	50.12	-5.57	44.55	74.00	-29.45	peak
3	20696.000	49.21	-5.16	44.05	74.00	-29.95	peak
4	21584.000	50.19	-4.56	45.63	74.00	-28.37	peak
5	23688.000	47.79	-3.18	44.61	74.00	-29.39	peak
6	24960.000	47.14	-2.14	45.00	74.00	-29.00	peak

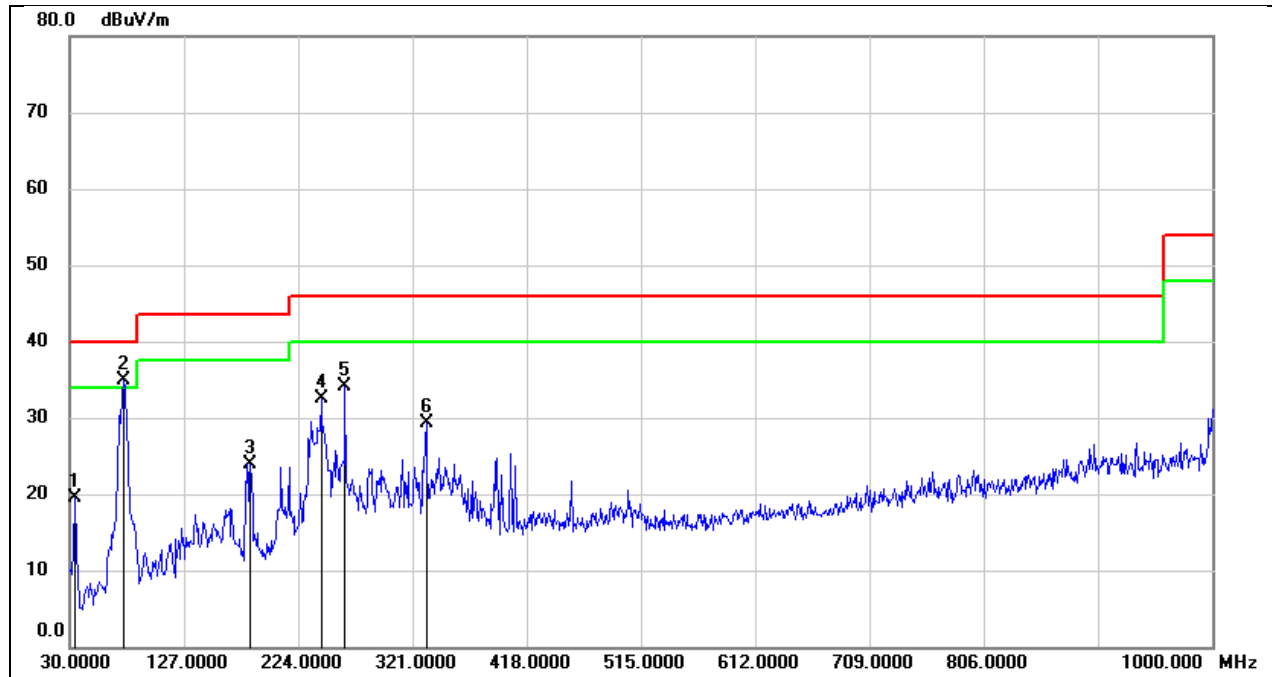
Test Mode:	SRD 2.4G	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18224.000	49.58	-5.53	44.05	74.00	-29.95	peak
2	18944.000	48.92	-5.27	43.65	74.00	-30.35	peak
3	20592.000	48.95	-5.26	43.69	74.00	-30.31	peak
4	21432.000	48.74	-4.71	44.03	74.00	-29.97	peak
5	23264.000	46.76	-3.36	43.40	74.00	-30.60	peak
6	24568.000	46.60	-2.33	44.27	74.00	-29.73	peak

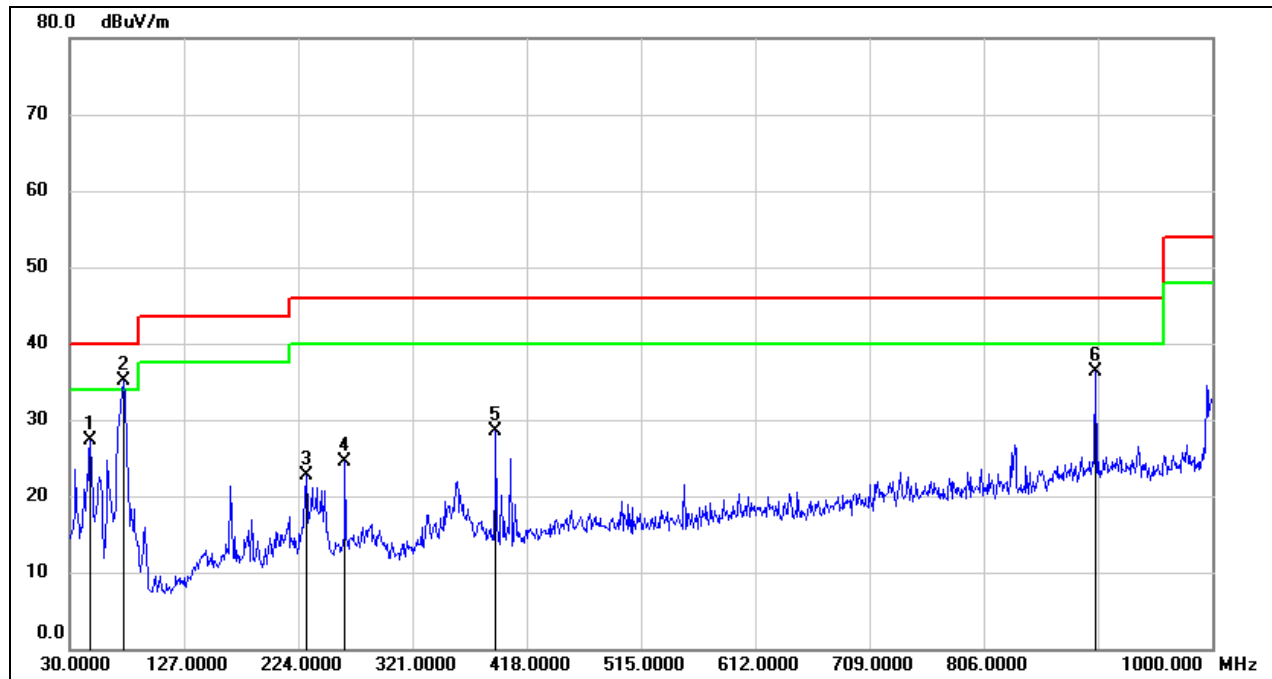
8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	SRD 2.4G	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	33.8800	34.04	-14.61	19.43	40.00	-20.57	QP
2	75.5899	50.78	-15.87	34.91	40.00	-5.09	QP
3	183.2600	36.00	-12.08	23.92	43.50	-19.58	QP
4	243.4000	46.72	-14.22	32.50	46.00	-13.50	QP
5	263.7700	47.88	-13.74	34.14	46.00	-11.86	QP
6	332.6400	39.54	-10.25	29.29	46.00	-16.71	QP

Test Mode:	SRD 2.4G	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 14.6V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.4600	42.72	-15.43	27.29	40.00	-12.71	QP
2	75.5899	50.88	-15.87	35.01	40.00	-4.99	QP
3	230.7900	36.22	-13.48	22.74	46.00	-23.26	QP
4	263.7700	38.28	-13.74	24.54	46.00	-21.46	QP
5	391.8100	38.35	-9.87	28.48	46.00	-17.52	QP
6	901.0600	37.55	-1.33	36.22	46.00	-9.78	QP

9. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §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 §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.

RESULTS

Complies

10. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a).

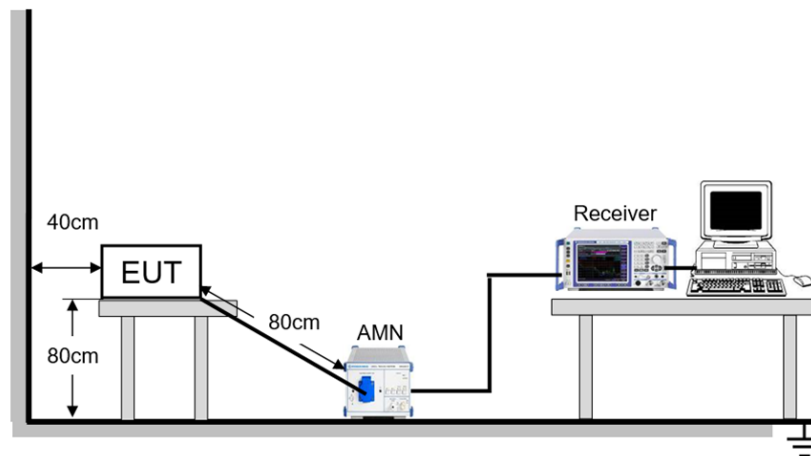
FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

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

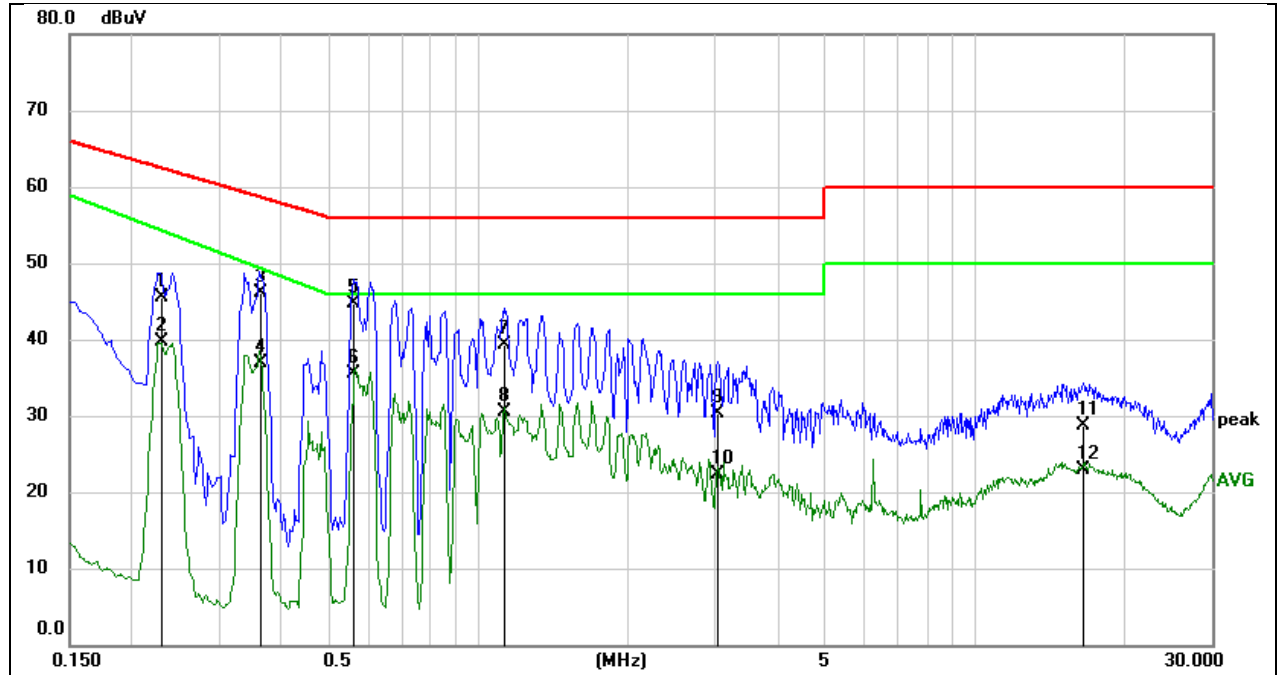
Temperature	24.3℃	Relative Humidity	53%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

TEST DATE / ENGINEER

Test Date	July 27, 2024	Test By	Kebo Zhang
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TEST RESULTS

Test Mode:	SRD 2.4G	Frequency(MHz):	2437.5
Line:	Line		



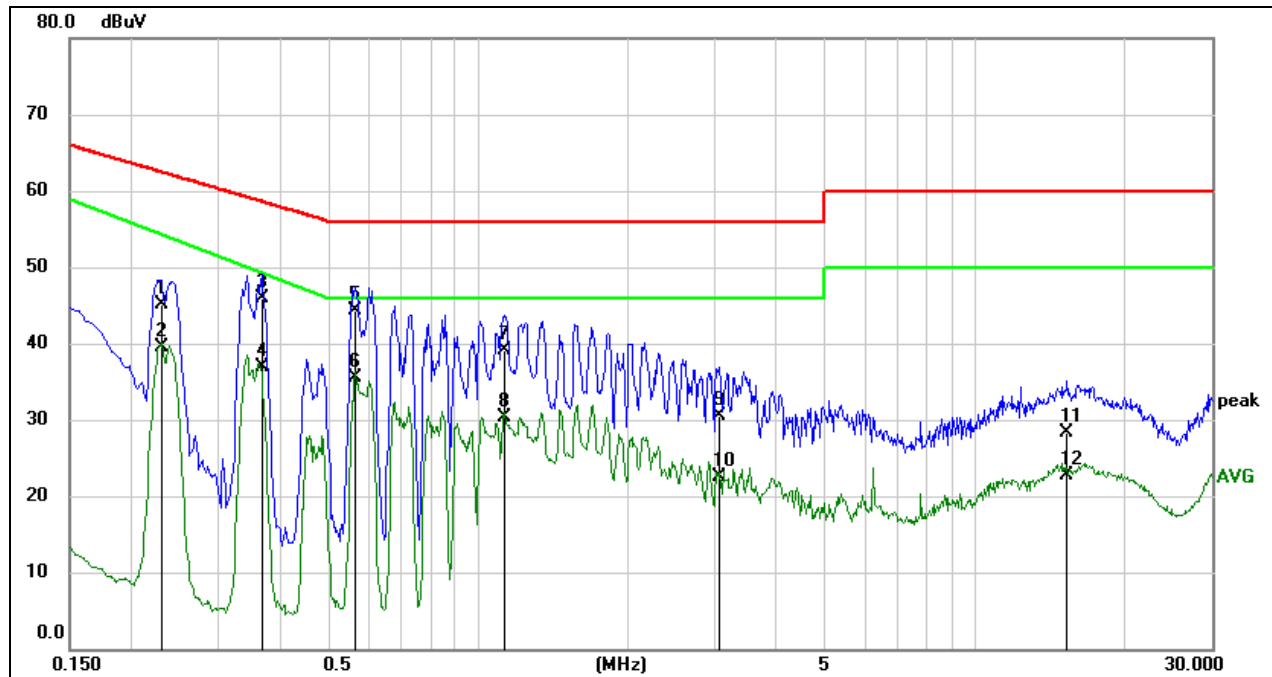
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2303	35.29	10.24	45.53	62.44	-16.91	QP
2	0.2303	29.51	10.24	39.75	54.37	-14.62	AVG
3	0.3648	35.86	10.24	46.10	58.62	-12.52	QP
4	0.3648	26.72	10.24	36.96	49.40	-12.44	AVG
5	0.5626	34.37	10.24	44.61	56.00	-11.39	QP
6	0.5626	25.24	10.24	35.48	46.00	-10.52	AVG
7	1.1346	29.19	10.02	39.21	56.00	-16.79	QP
8	1.1346	20.51	10.02	30.53	46.00	-15.47	AVG
9	3.0481	20.28	10.09	30.37	56.00	-25.63	QP
10	3.0481	12.15	10.09	22.24	46.00	-23.76	AVG
11	16.4798	18.02	10.63	28.65	60.00	-31.35	QP
12	16.4798	12.34	10.63	22.97	50.00	-27.03	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):	2437.5
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2309	34.97	10.13	45.10	62.42	-17.32	QP
2	0.2309	29.34	10.13	39.47	54.34	-14.87	AVG
3	0.3642	35.73	10.09	45.82	58.63	-12.81	QP
4	0.3642	26.84	10.09	36.93	49.42	-12.49	AVG
5	0.5626	34.35	10.04	44.39	56.00	-11.61	QP
6	0.5626	25.42	10.04	35.46	46.00	-10.54	AVG
7	1.1348	29.26	9.86	39.12	56.00	-16.88	QP
8	1.1348	20.52	9.86	30.38	46.00	-15.62	AVG
9	3.0502	20.23	10.19	30.42	56.00	-25.58	QP
10	3.0502	12.36	10.19	22.55	46.00	-23.45	AVG
11	15.3463	17.70	10.66	28.36	60.00	-31.64	QP
12	15.3463	12.02	10.66	22.68	50.00	-27.32	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

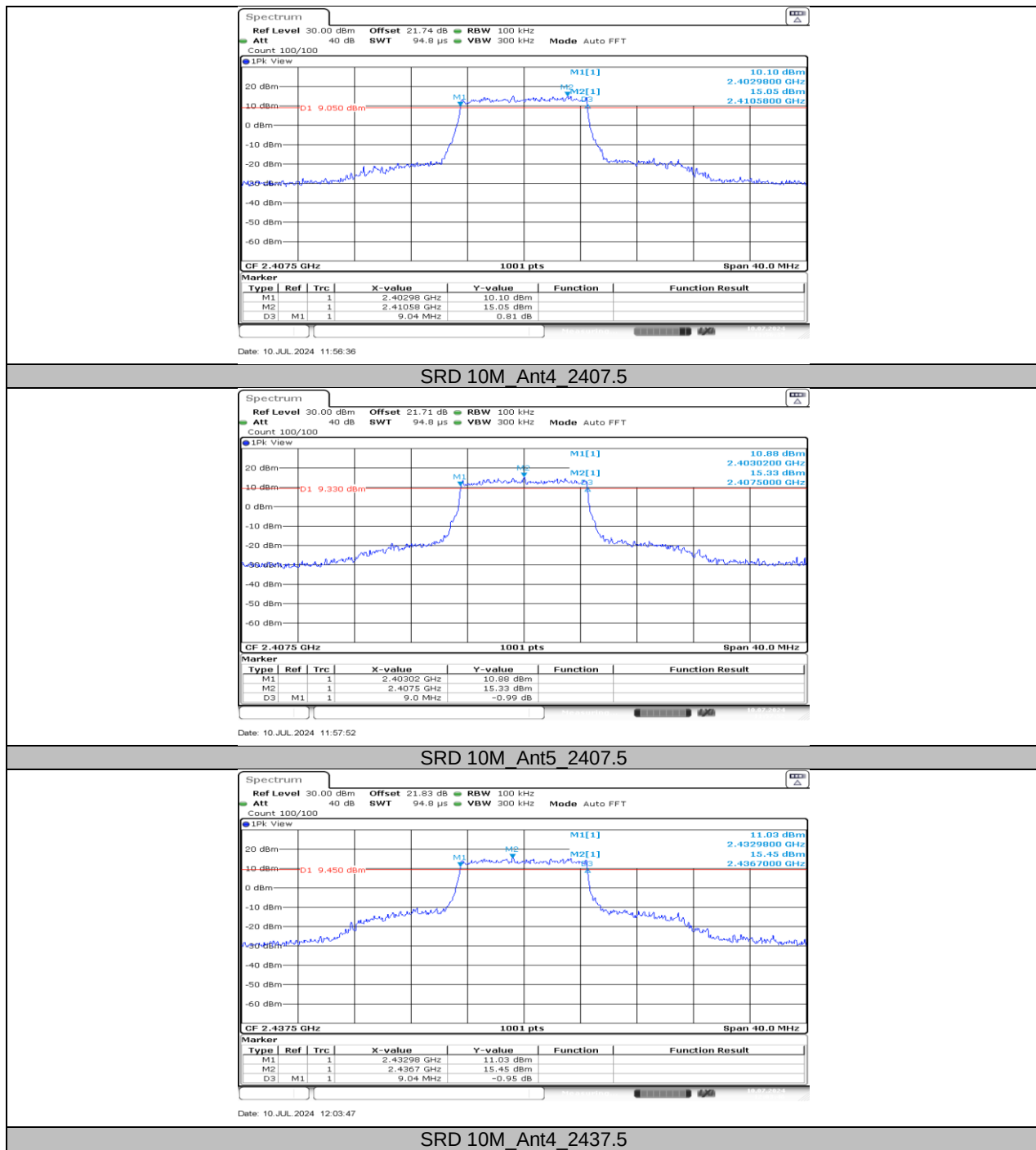
11.1. APPENDIX A: DTS BANDWIDTH

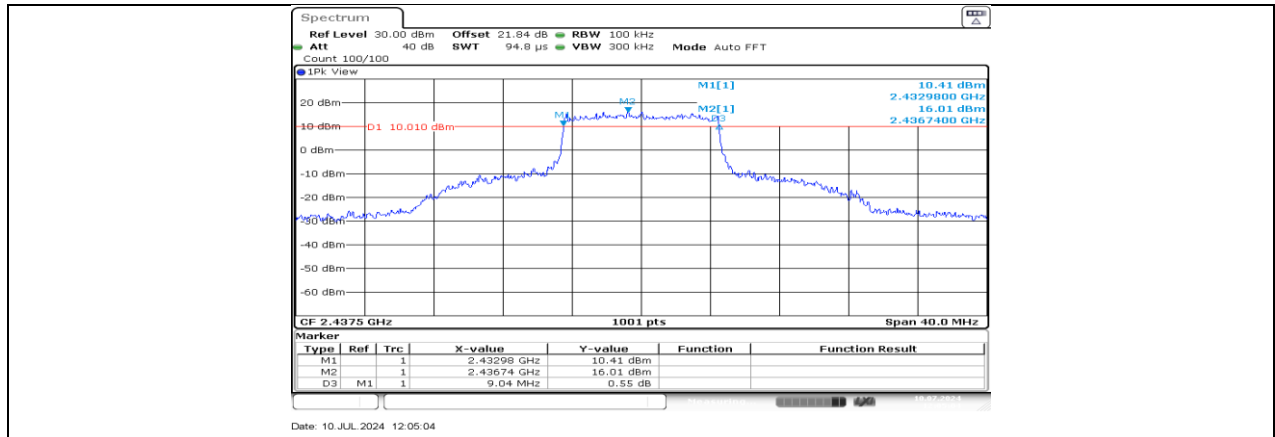
11.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD 10M	Ant4	2407.5	9.04	2402.98	2412.02	≥0.5	PASS
	Ant5	2407.5	9.00	2403.02	2412.02	≥0.5	PASS
	Ant4	2437.5	9.04	2432.98	2442.02	≥0.5	PASS
	Ant5	2437.5	9.04	2432.98	2442.02	≥0.5	PASS
	Ant4	2465.5	8.92	2460.98	2469.90	≥0.5	PASS
	Ant5	2465.5	9.00	2460.98	2469.98	≥0.5	PASS
	Ant4	2466.5	8.96	2461.94	2470.90	≥0.5	PASS
	Ant5	2466.5	9.00	2461.98	2470.98	≥0.5	PASS
	Ant4	2467.5	8.32	2462.98	2471.30	≥0.5	PASS
	Ant5	2467.5	9.00	2462.98	2471.98	≥0.5	PASS
SRD 20M	Ant4	2412.5	17.08	2404.18	2421.26	≥0.5	PASS
	Ant5	2412.5	16.76	2404.66	2421.42	≥0.5	PASS
	Ant4	2414.5	17.08	2406.22	2423.30	≥0.5	PASS
	Ant5	2414.5	16.80	2406.62	2423.42	≥0.5	PASS
	Ant4	2416.5	17.24	2408.14	2425.38	≥0.5	PASS
	Ant5	2416.5	16.48	2408.66	2425.14	≥0.5	PASS
	Ant4	2437.5	17.16	2429.06	2446.22	≥0.5	PASS
	Ant5	2437.5	17.80	2428.62	2446.42	≥0.5	PASS
	Ant4	2453.5	17.36	2444.94	2462.30	≥0.5	PASS
	Ant5	2453.5	17.24	2444.90	2462.14	≥0.5	PASS
	Ant4	2456.5	16.96	2448.18	2465.14	≥0.5	PASS
	Ant5	2456.5	17.20	2447.94	2465.14	≥0.5	PASS
	Ant4	2458.5	17.60	2449.70	2467.30	≥0.5	PASS
	Ant5	2458.5	17.04	2450.10	2467.14	≥0.5	PASS
	Ant4	2462.5	16.16	2453.98	2470.14	≥0.5	PASS
	Ant5	2462.5	17.04	2453.98	2471.02	≥0.5	PASS
SRD 40M	Ant4	2422.5	20.08	2412.66	2432.74	≥0.5	PASS
	Ant5	2422.5	18.32	2414.02	2432.34	≥0.5	PASS
	Ant4	2437.5	20.16	2427.34	2447.50	≥0.5	PASS
	Ant5	2437.5	19.52	2427.82	2447.34	≥0.5	PASS
	Ant4	2452.5	20.16	2442.34	2462.50	≥0.5	PASS
	Ant5	2452.5	19.52	2442.82	2462.34	≥0.5	PASS
SRD 60M	Ant4	2432.5	40.92	2412.34	2453.26	≥0.5	PASS
	Ant5	2432.5	42.12	2411.86	2453.98	≥0.5	PASS
	Ant4	2436.5	44.16	2415.38	2459.54	≥0.5	PASS
	Ant5	2436.5	39.72	2416.34	2456.06	≥0.5	PASS
	Ant4	2437.5	42.24	2416.02	2458.26	≥0.5	PASS
	Ant5	2437.5	43.32	2416.74	2460.06	≥0.5	PASS
	Ant4	2442.5	40.56	2422.10	2462.66	≥0.5	PASS
	Ant5	2442.5	40.44	2422.10	2462.54	≥0.5	PASS

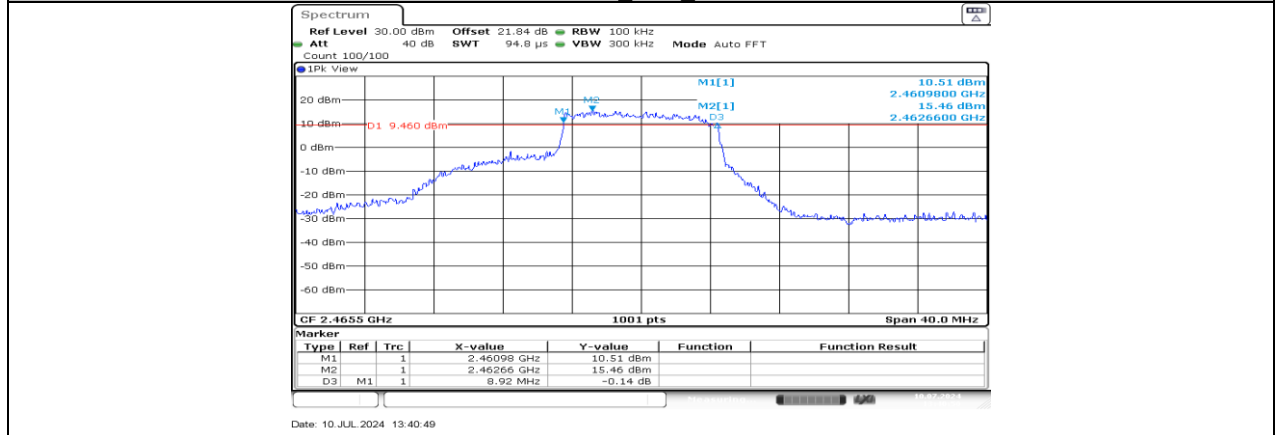
Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

11.1.2. Test Graphs

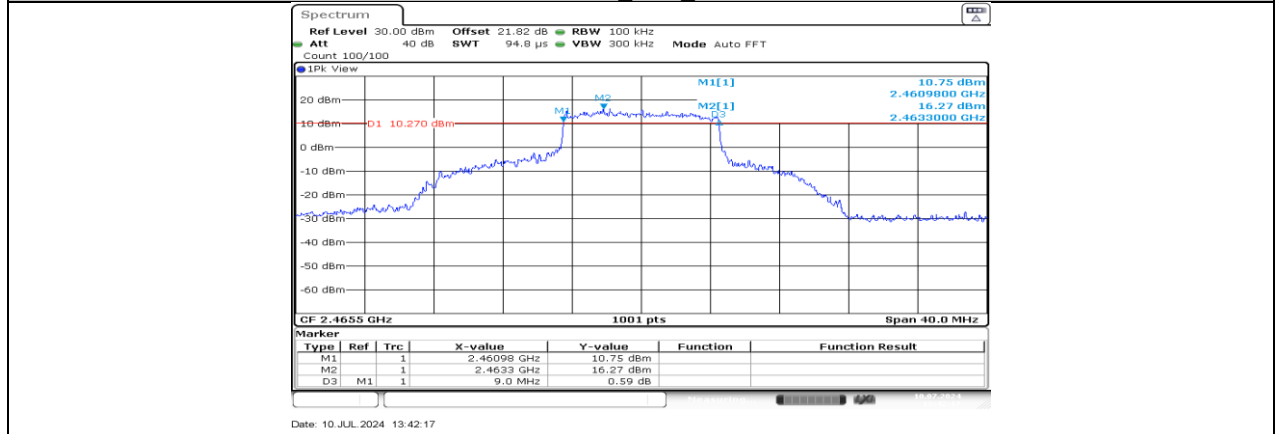




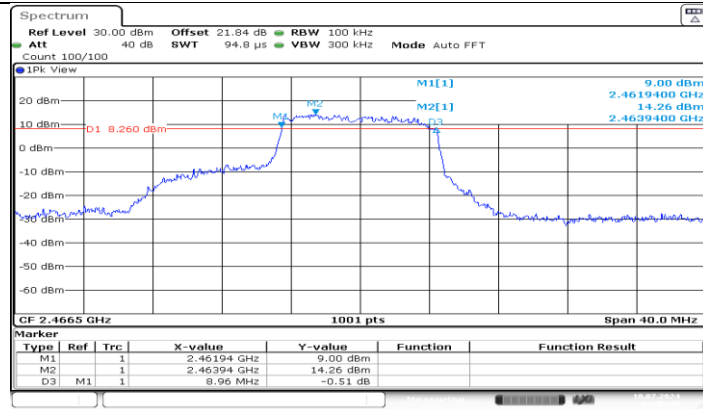
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SRD 10M_Ant4_2465.5

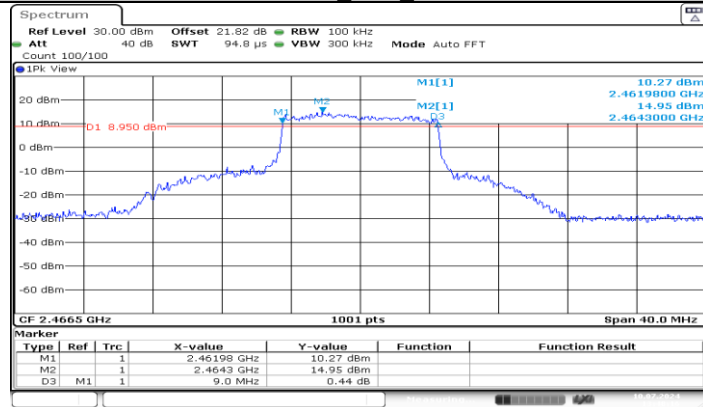


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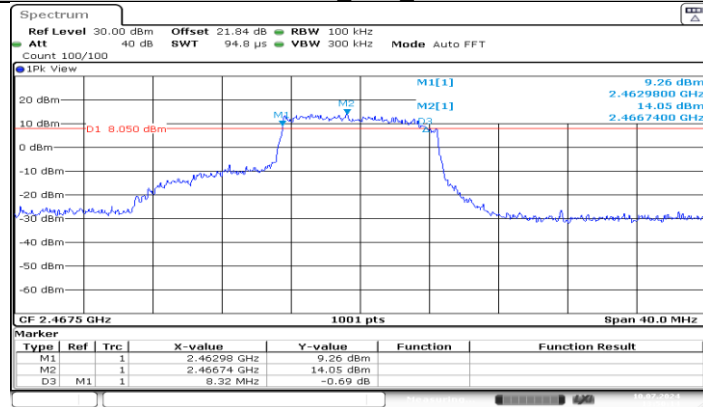
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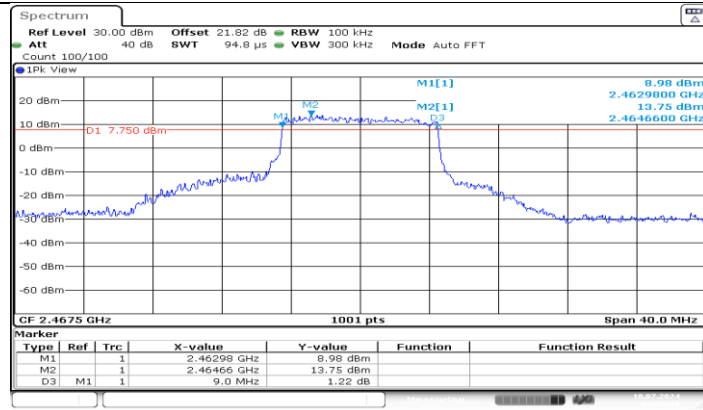
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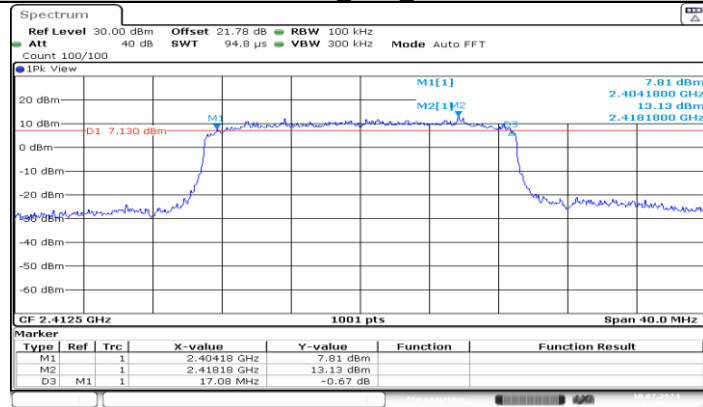
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SRD 10M Ant4_2467.5



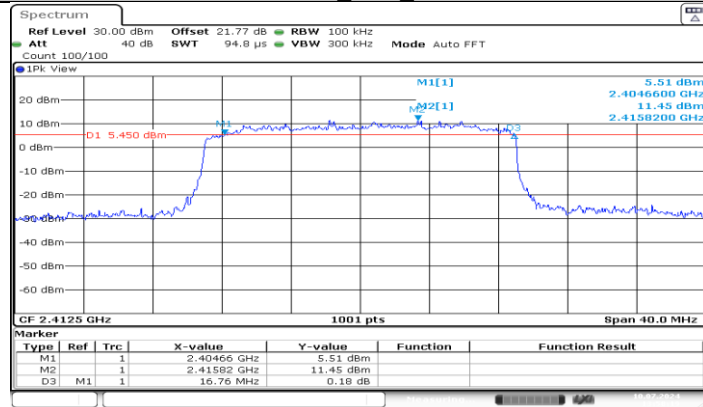
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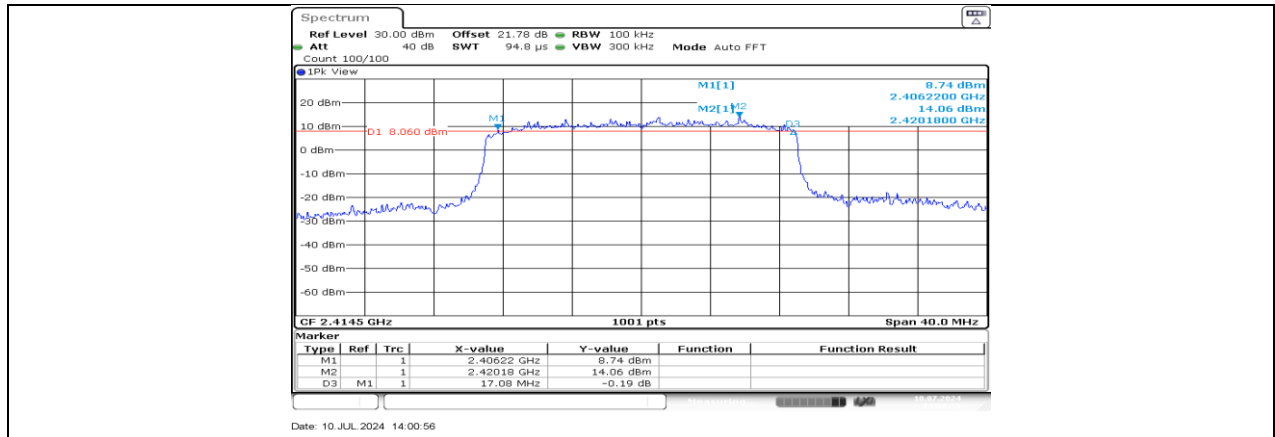
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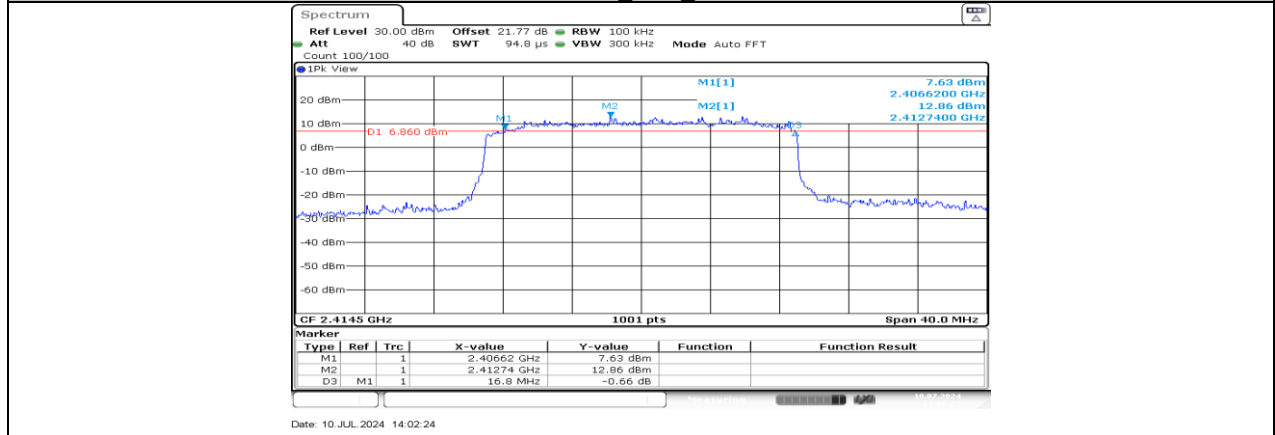


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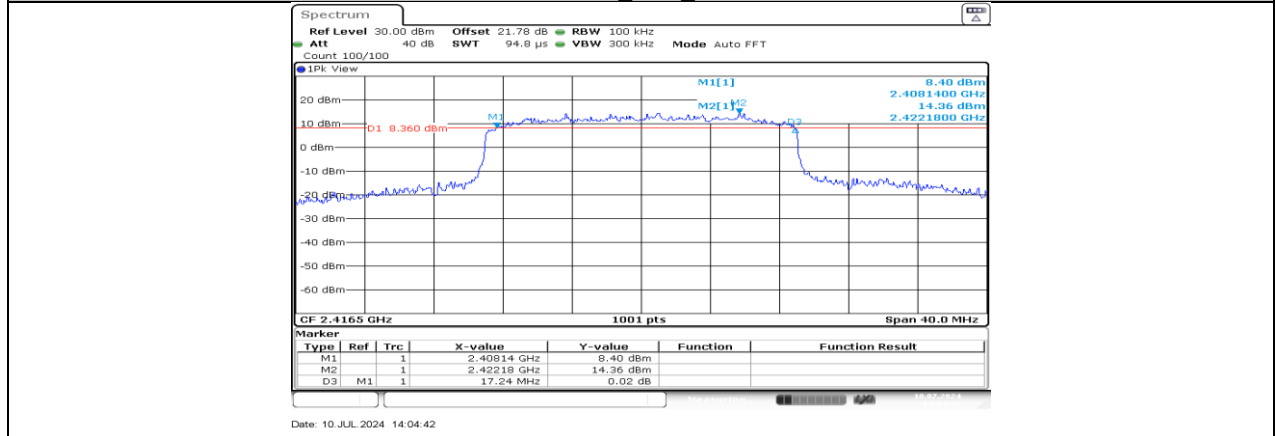
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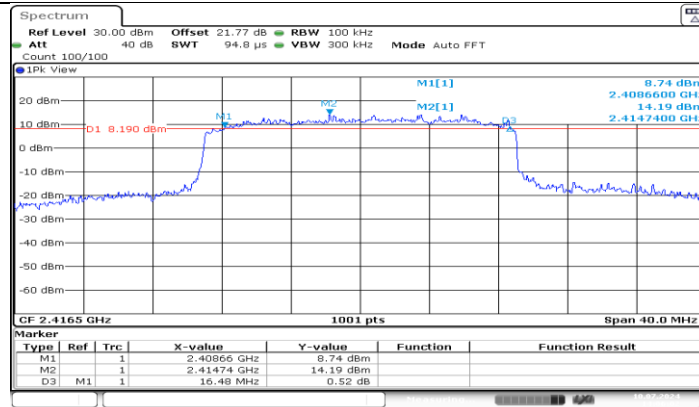
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SRD 20M_Ant5_2414.5

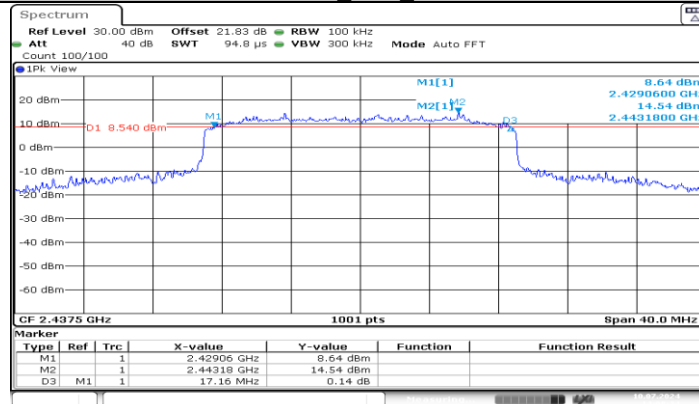


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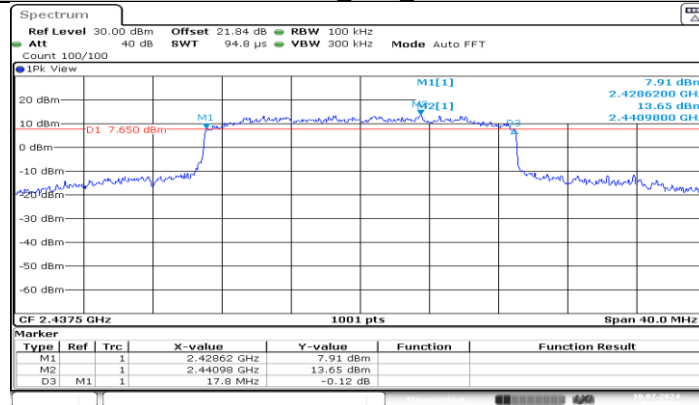
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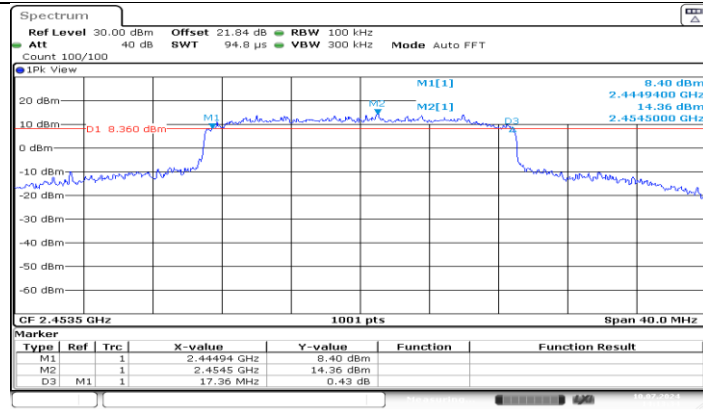
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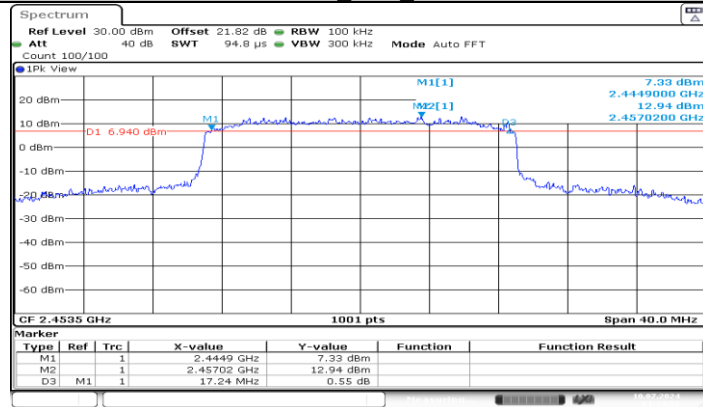
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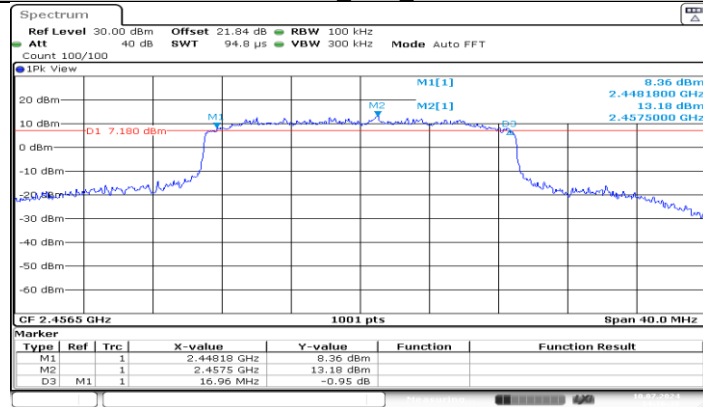
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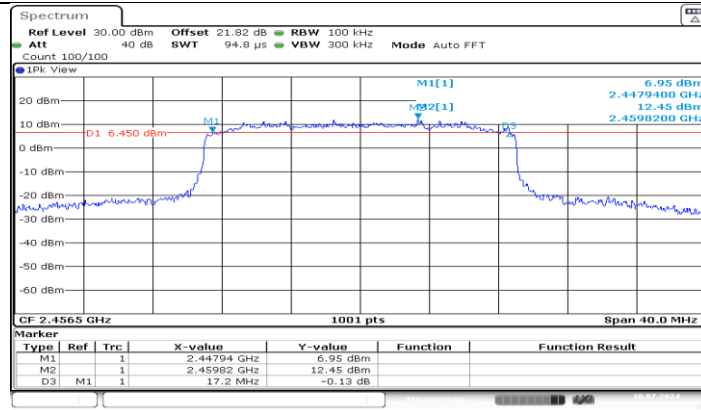
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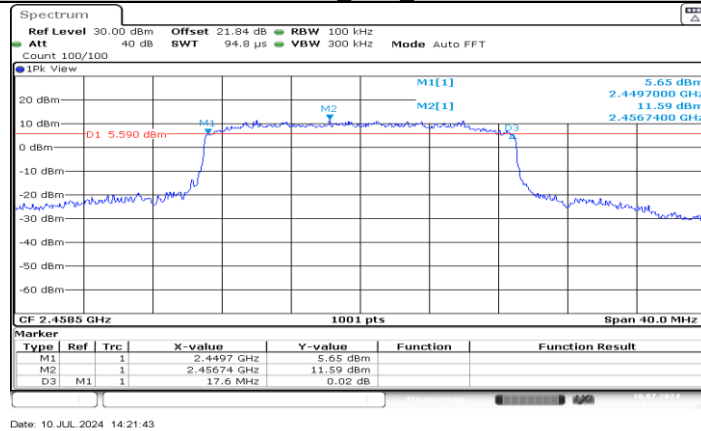


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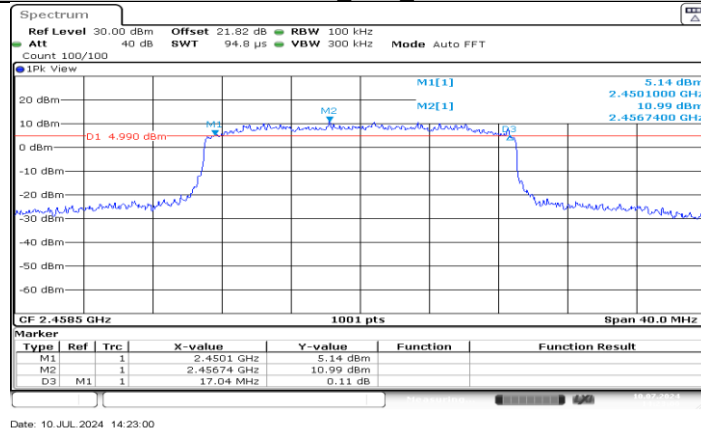
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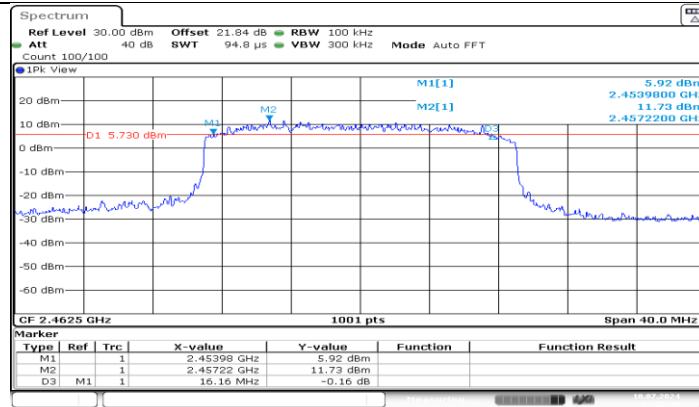
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SRD 20M_Ant4_2458.5

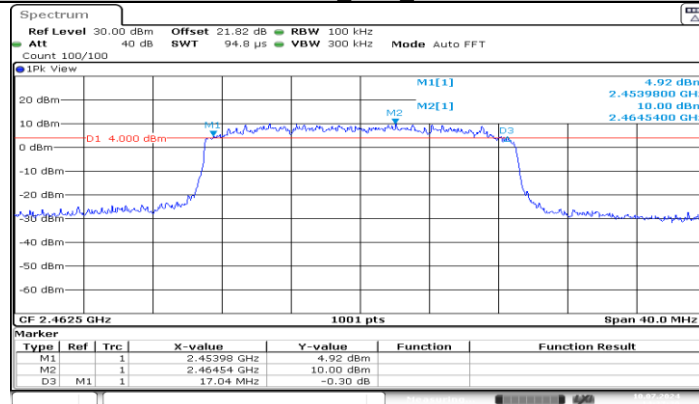


SRD 20M_Ant5_2458.5



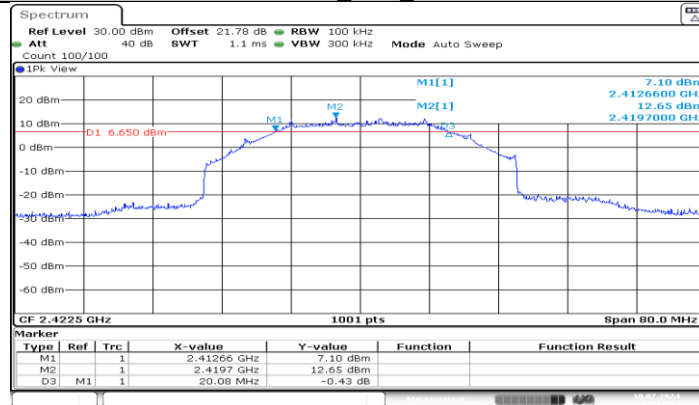
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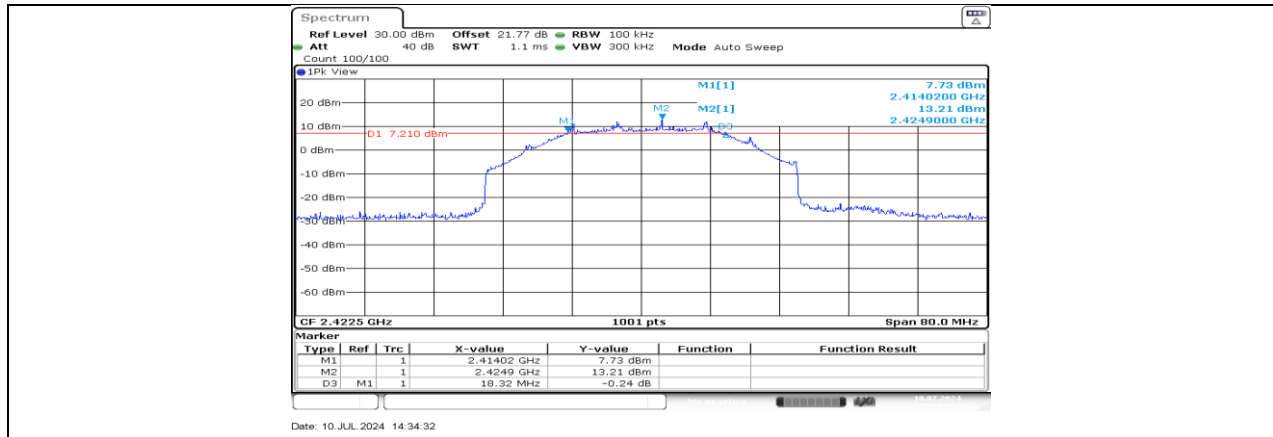
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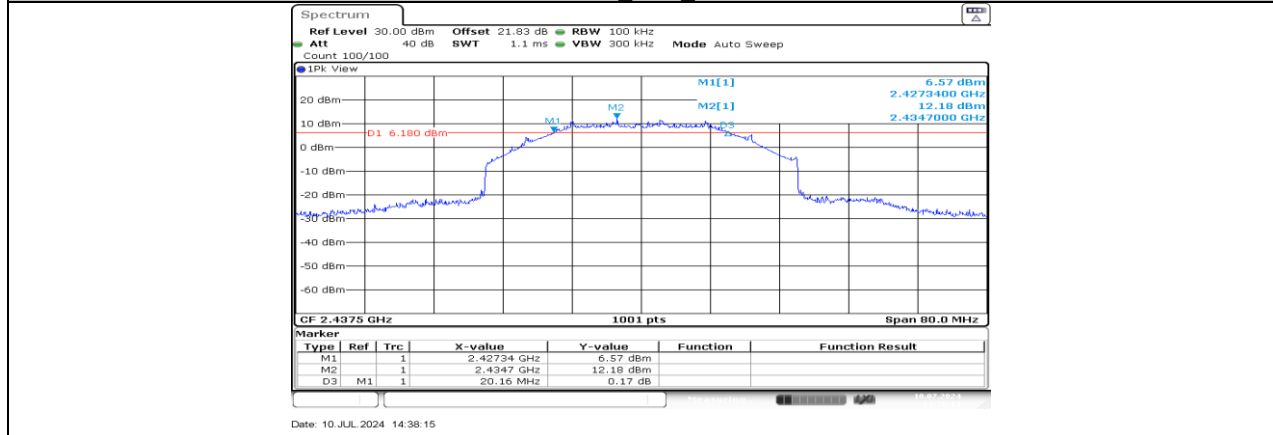


Date: 10 JUL 2024 14:33:15

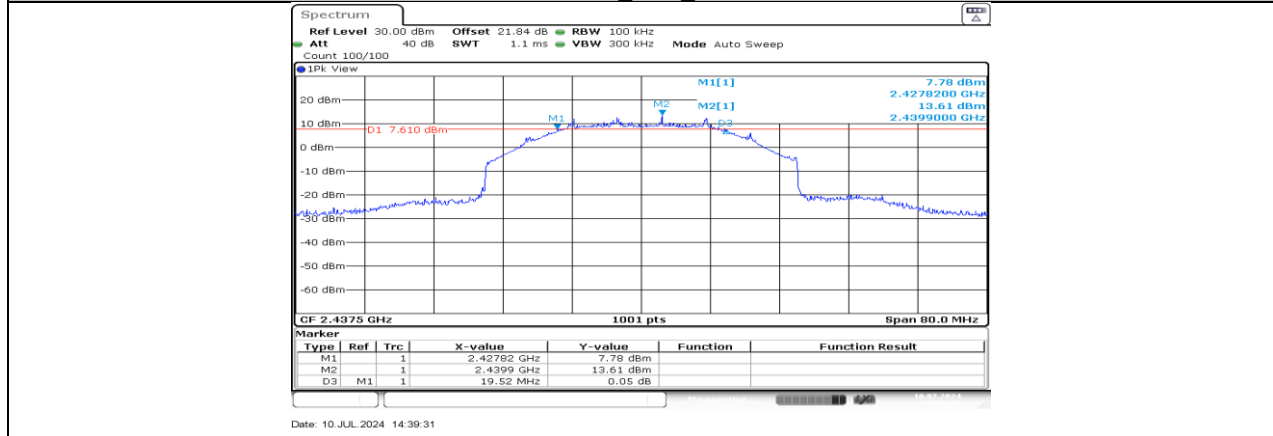
SRD 40M_Ant4_2422.5



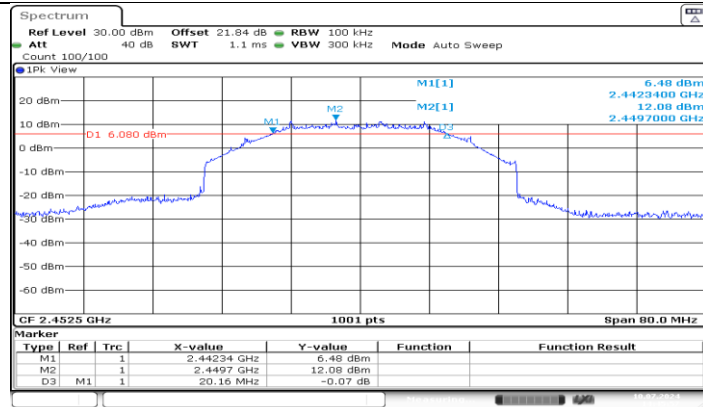
SRD 40M_Ant5_2422.5



SRD 40M_Ant4_2437.5

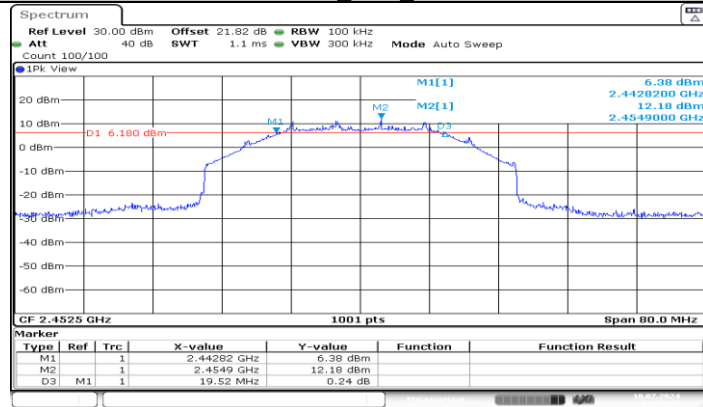


SRD 40M_Ant5_2437.5



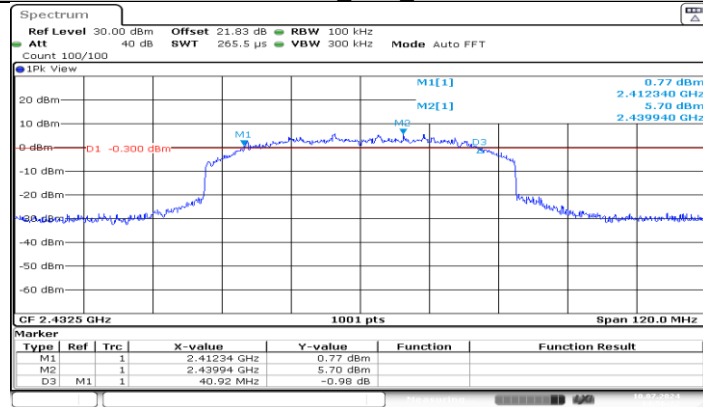
Date: 10 JUL 2024 14:45:57

SRD 40M_Ant4_2452.5



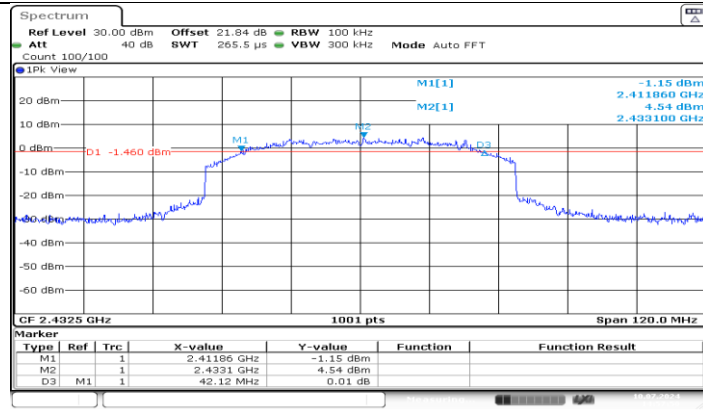
Date: 10 JUL 2024 14:47:25

SRD 40M_Ant5_2452.5



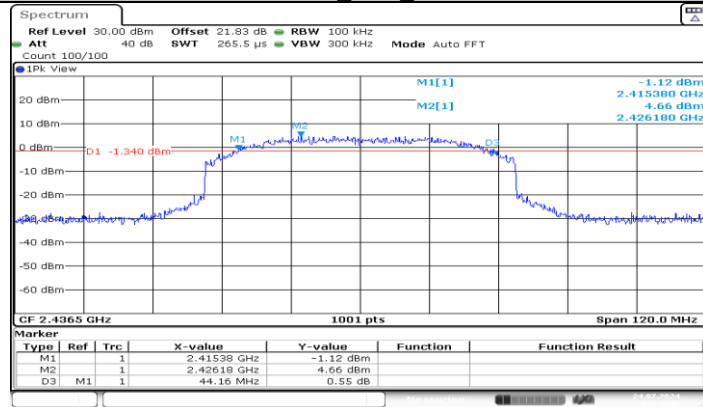
Date: 10 JUL 2024 14:56:22

SRD 60M_Ant4_2432.5



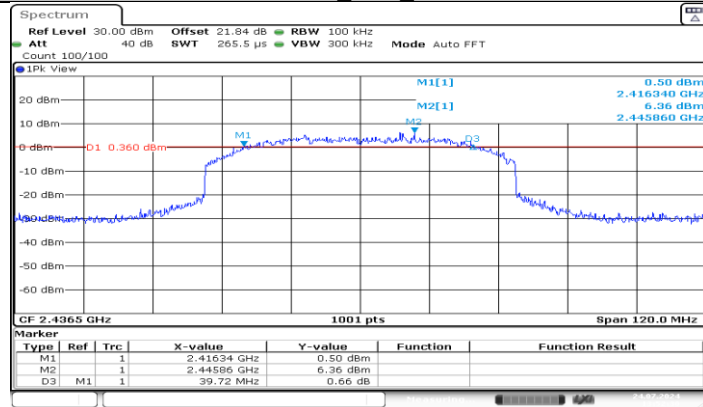
Date: 10 JUL 2024 14:57:50

SRD 60M_Ant5_2432.5



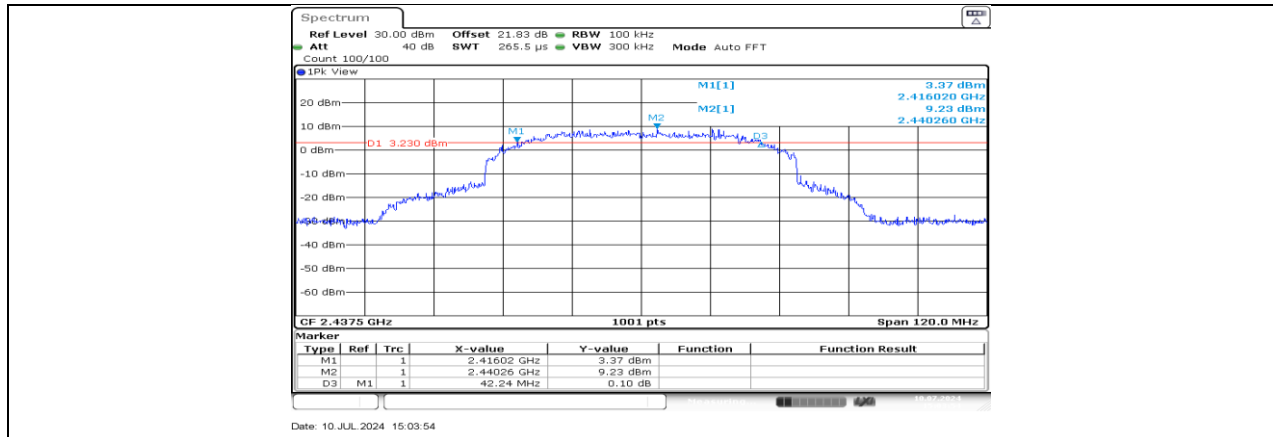
Date: 24 JUL 2024 13:48:48

SRD 60M_Ant4_2436.5

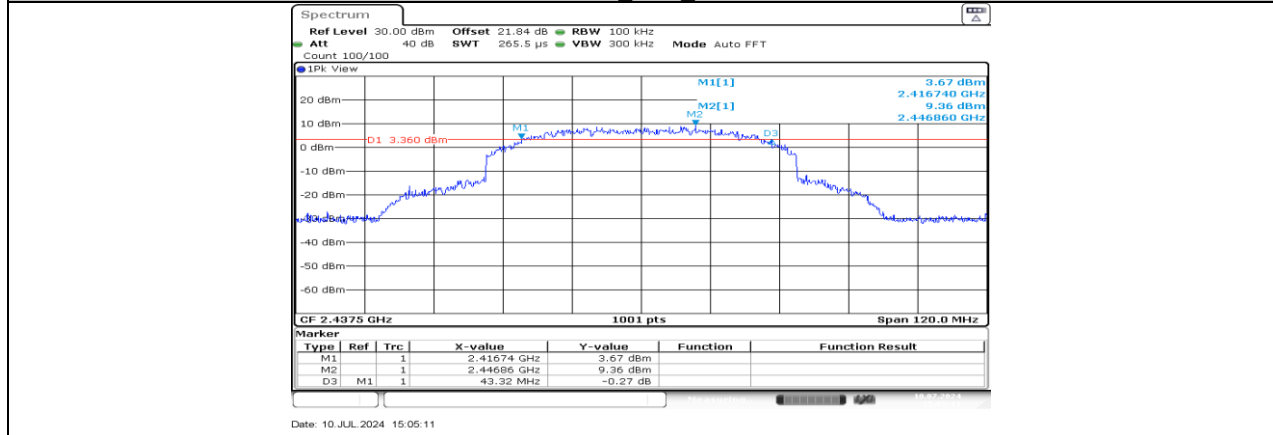


Date: 24 JUL 2024 13:52:30

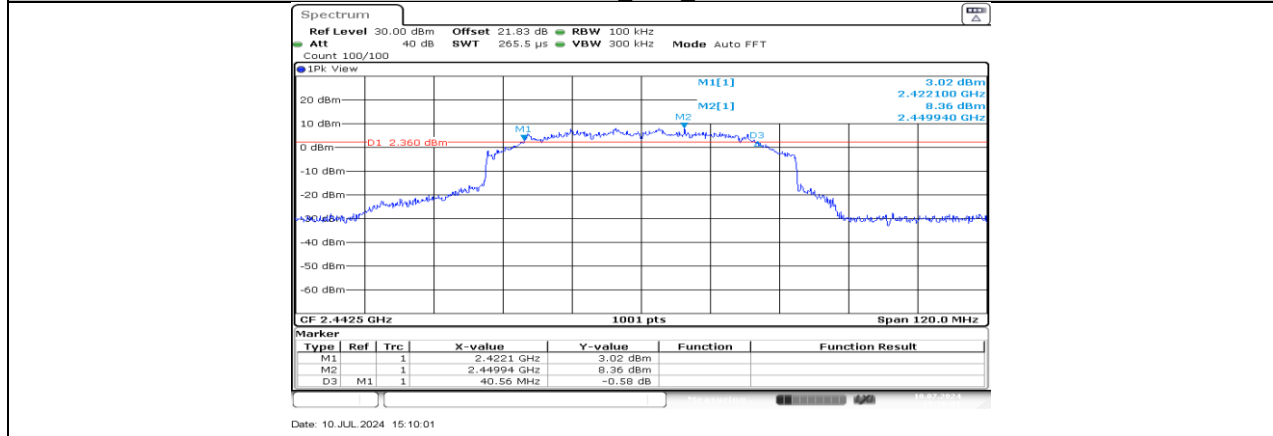
SRD 60M_Ant5_2436.5



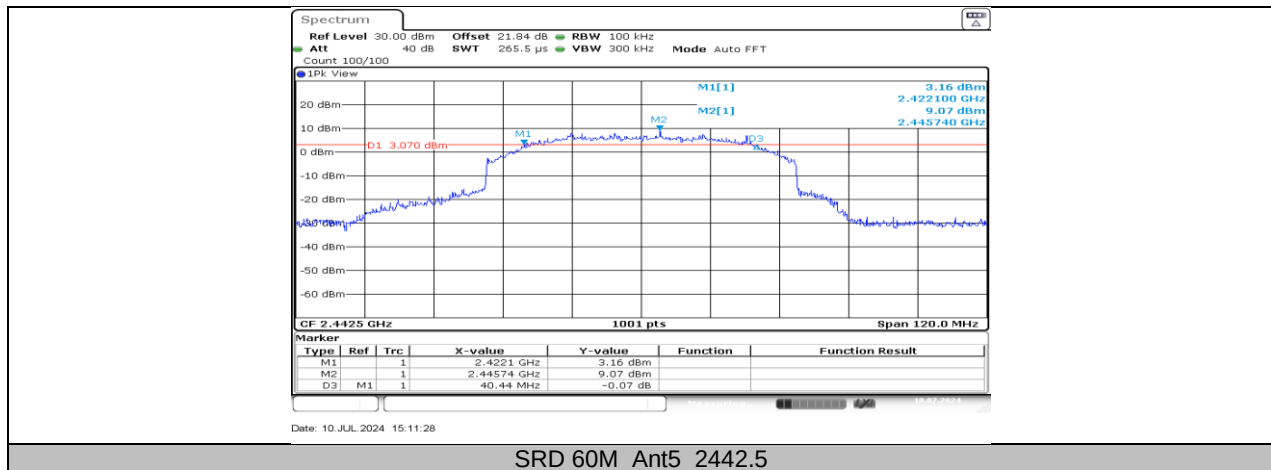
SRD 60M_Ant4_2437.5



SRD 60M_Ant5_2437.5



SRD 60M_Ant4_2442.5



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

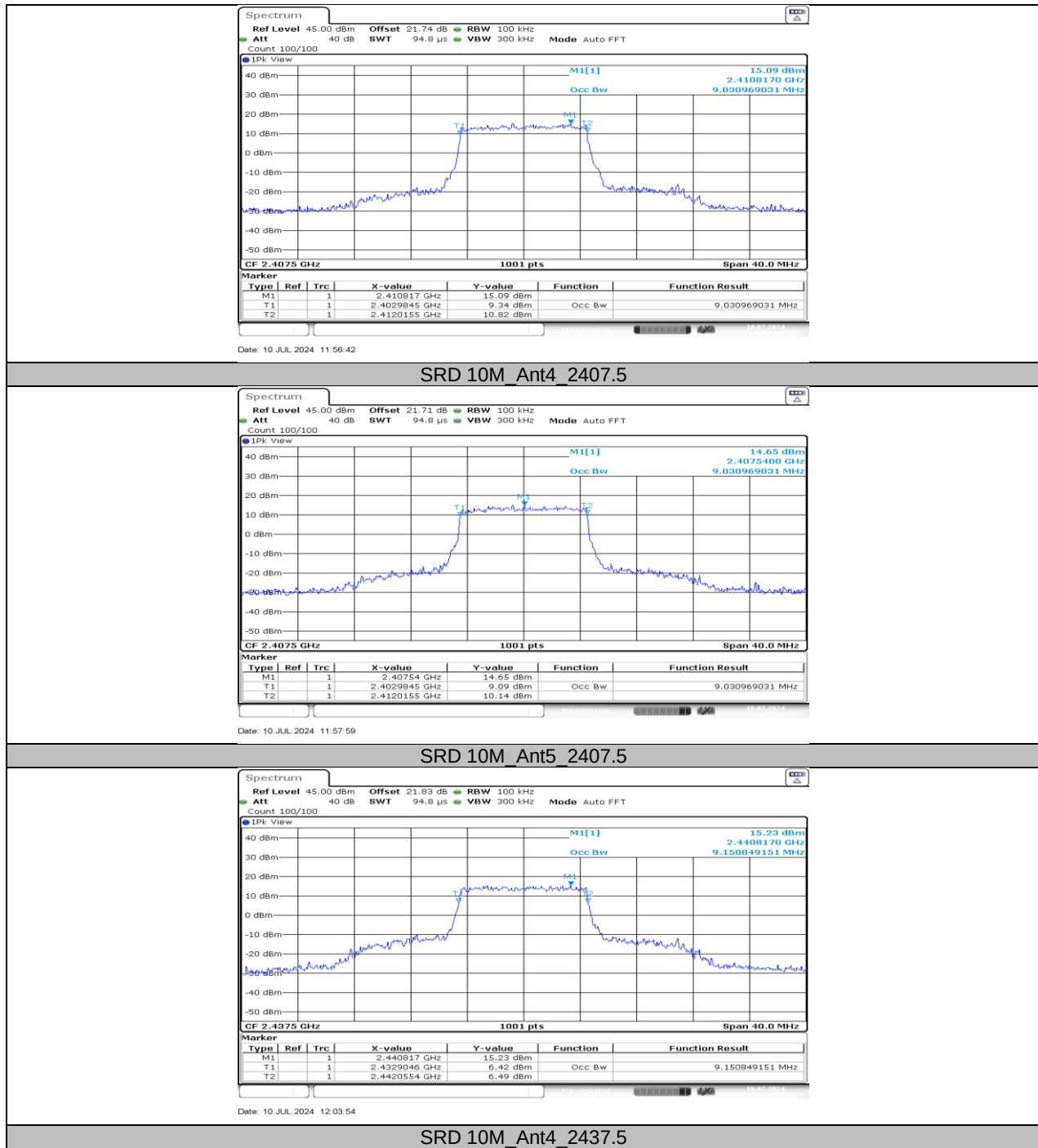
11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

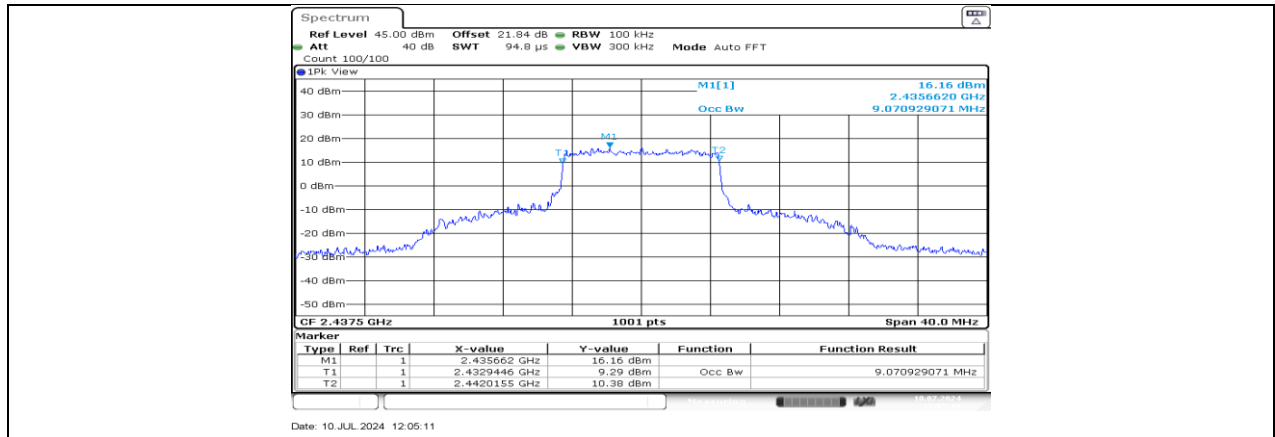
11.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
SRD 10M	Ant4	2407.5	9.031	2402.9845	2412.0155
	Ant5	2407.5	9.031	2402.9845	2412.0155
	Ant4	2437.5	9.151	2432.9046	2442.0554
	Ant5	2437.5	9.071	2432.9446	2442.0155
	Ant4	2465.5	12.108	2458.0674	2470.1753
	Ant5	2465.5	10.629	2459.5859	2470.2153
	Ant4	2466.5	9.87	2461.0654	2470.9356
	Ant5	2466.5	9.111	2461.9046	2471.0155
	Ant4	2467.5	9.111	2462.7847	2471.8956
SRD 20M	Ant5	2467.5	9.031	2462.9446	2471.9755
	Ant4	2412.5	17.782	2403.6688	2421.4510
	Ant5	2412.5	17.742	2403.6688	2421.4111
	Ant4	2414.5	17.782	2405.6688	2423.4510
	Ant5	2414.5	17.742	2405.6688	2423.4111
	Ant4	2416.5	17.862	2407.6289	2425.4910
	Ant5	2416.5	17.782	2407.6688	2425.4510
	Ant4	2437.5	18.022	2428.5090	2446.5310
	Ant5	2437.5	17.902	2428.5490	2446.4510
	Ant4	2453.5	18.062	2444.4690	2462.5310
	Ant5	2453.5	17.822	2444.5889	2462.4111
	Ant4	2456.5	17.822	2447.5889	2465.4111
	Ant5	2456.5	17.742	2447.6289	2465.3711
	Ant4	2458.5	17.782	2449.5889	2467.3711
	Ant5	2458.5	17.742	2449.6289	2467.3711
SRD 40M	Ant4	2462.5	17.622	2453.6289	2471.2512
	Ant5	2462.5	17.702	2453.6289	2471.3312
	Ant4	2422.5	31.249	2407.3152	2438.5639
	Ant5	2422.5	31.089	2407.3152	2438.4041
	Ant4	2437.5	31.888	2421.6758	2453.5639
SRD 60M	Ant5	2437.5	31.968	2421.5959	2453.5639
	Ant4	2452.5	31.648	2436.3561	2468.0045
	Ant5	2452.5	31.728	2436.4361	2468.1643
	Ant4	2432.5	51.788	2406.9655	2458.7537
	Ant5	2432.5	51.788	2406.9655	2458.7537
	Ant4	2436.5	51.309	2411.0854	2462.3941
	Ant5	2436.5	51.429	2411.0854	2462.5140
	Ant4	2437.5	52.388	2411.3661	2463.7537
	Ant5	2437.5	52.268	2411.4860	2463.7537
	Ant4	2442.5	51.908	2416.2463	2468.1543
	Ant5	2442.5	52.028	2416.3661	2468.3941

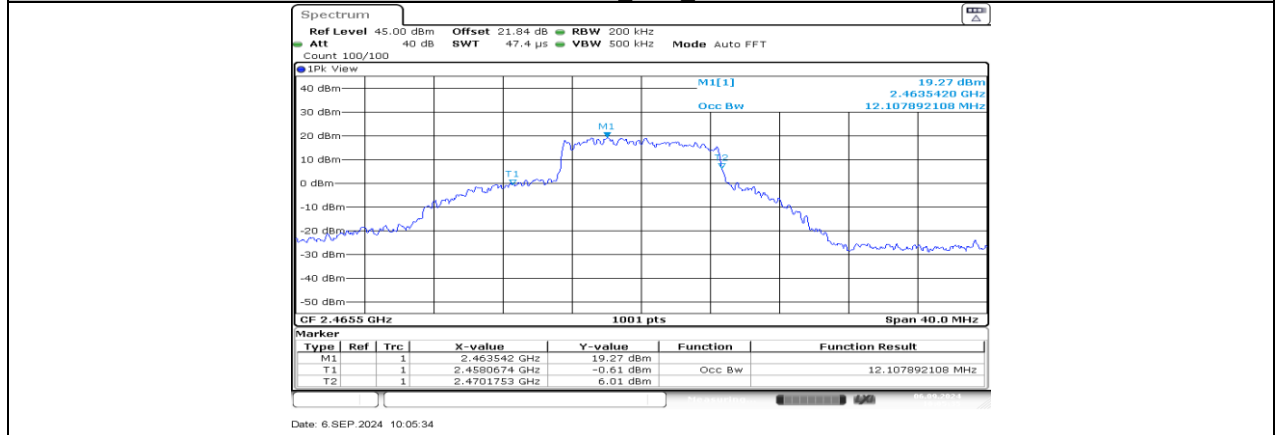
Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

11.2.2. Test Graphs

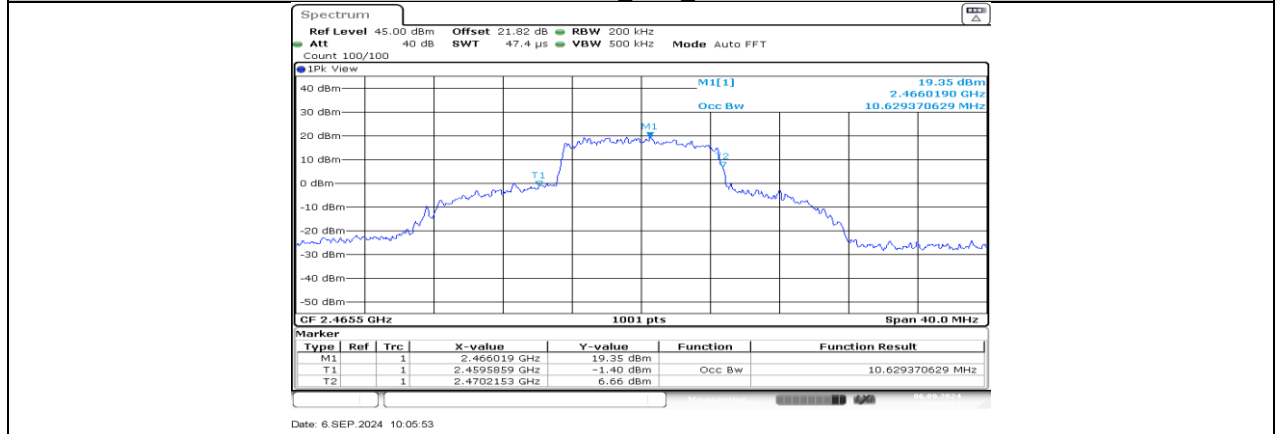




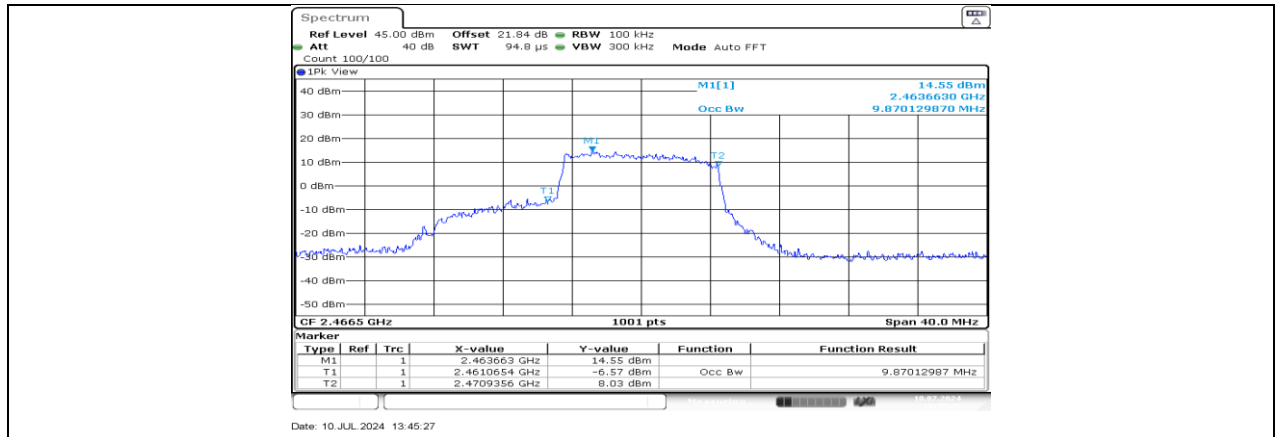
SRD 10M_Ant5_2437.5



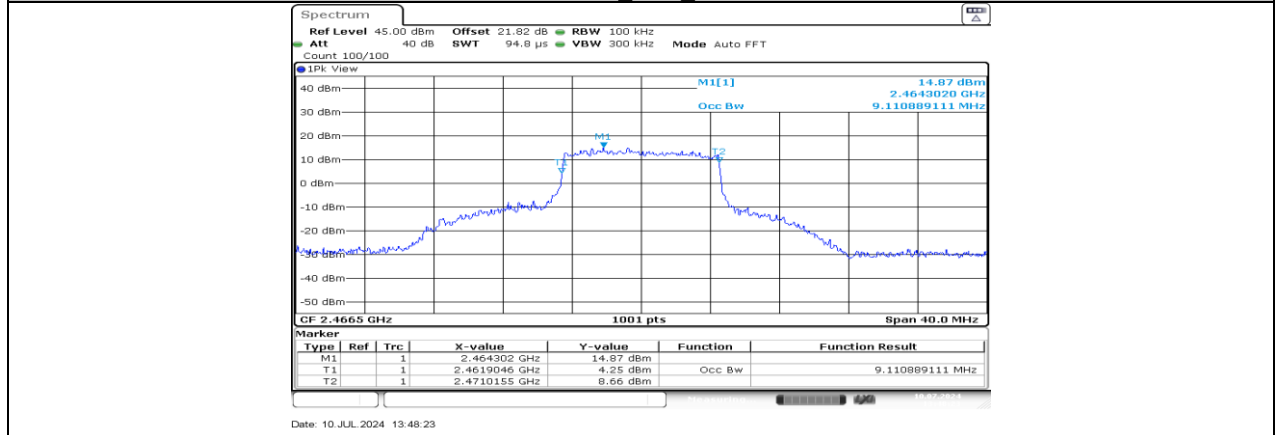
SRD 10M_Ant4_2465.5



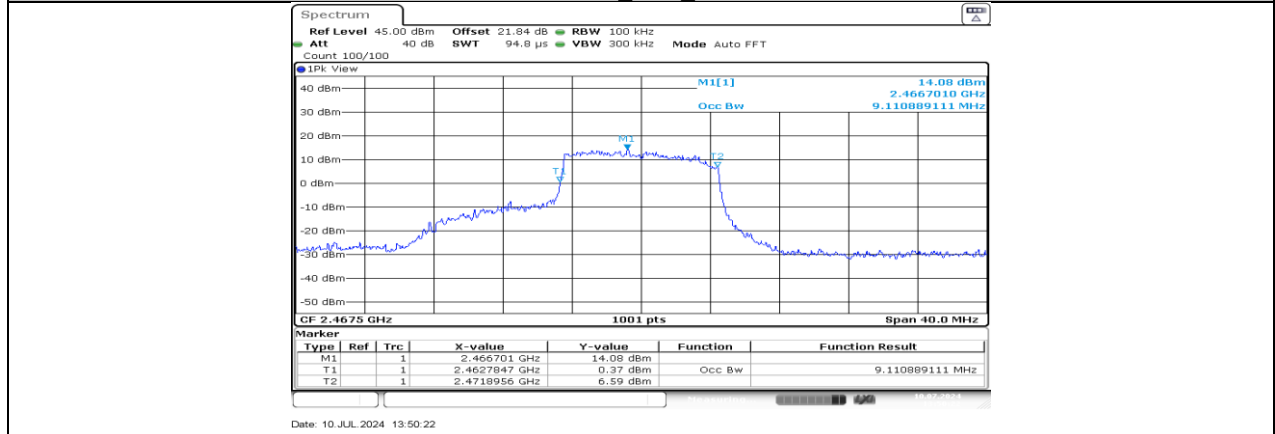
SRD 10M_Ant5_2465.5



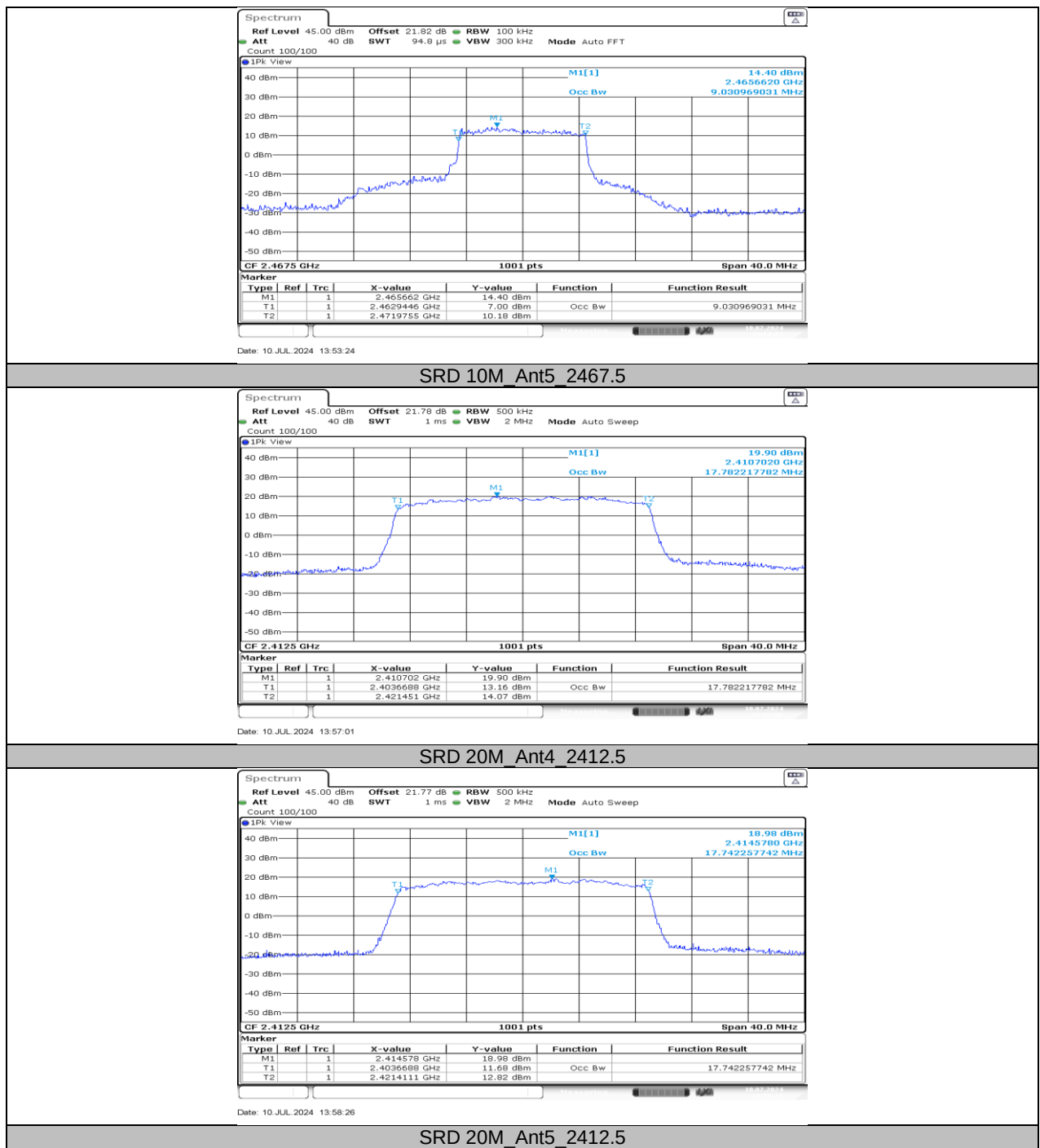
SRD 10M_Ant4_2466.5

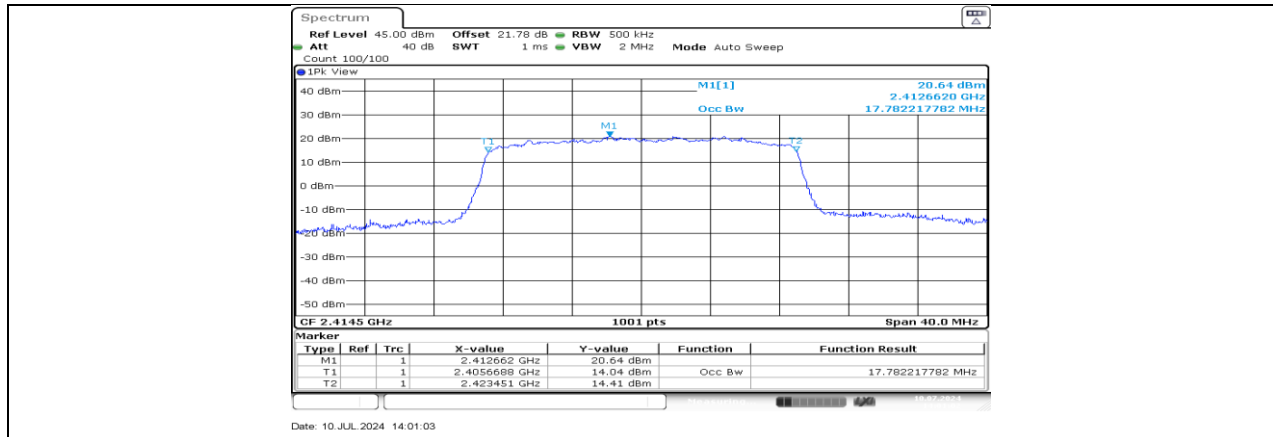


SRD 10M_Ant5_2466.5

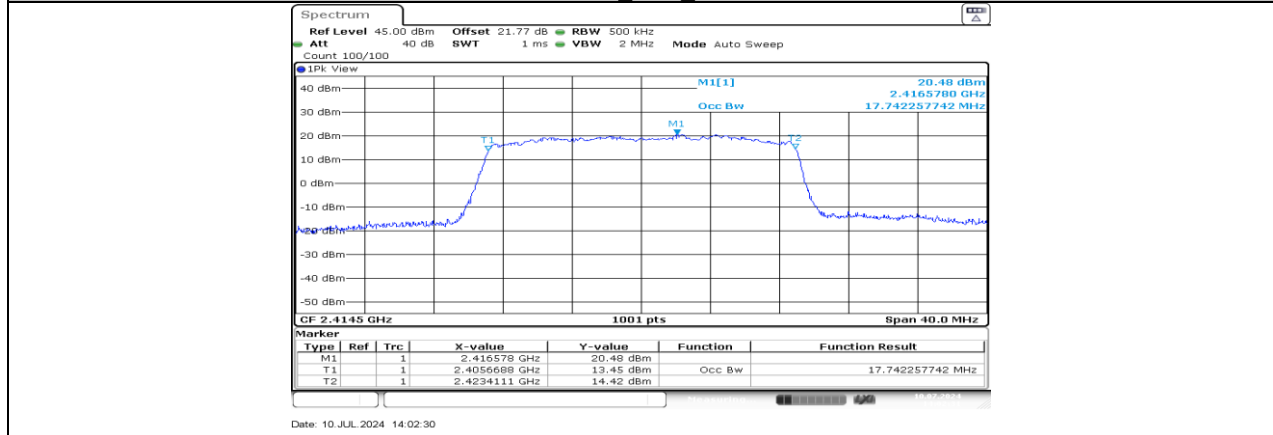


SRD 10M_Ant4_2467.5

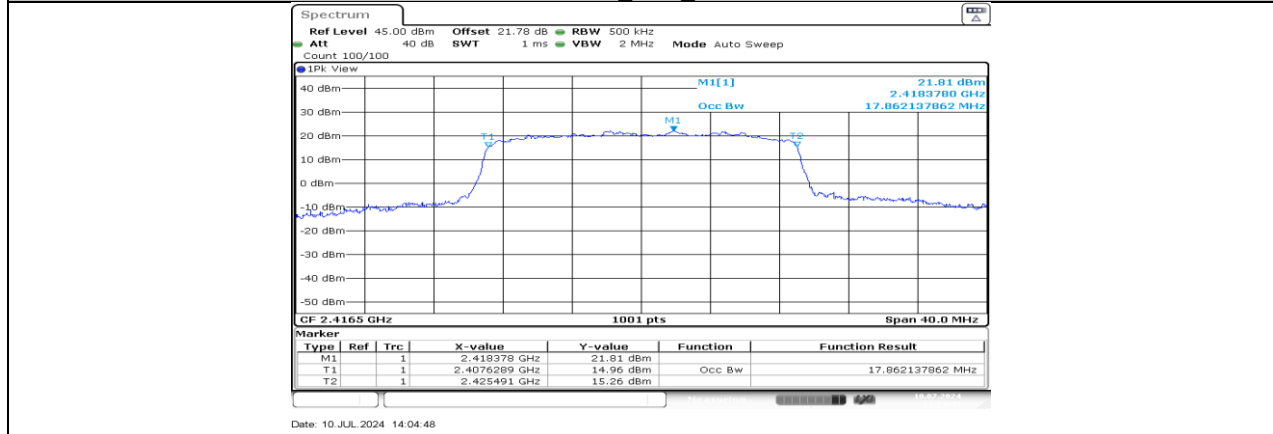




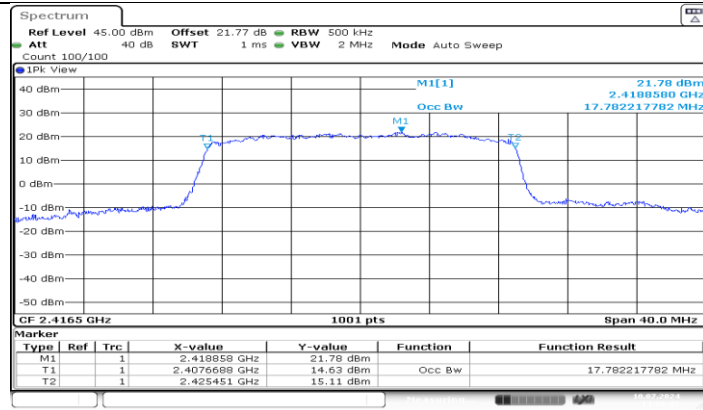
SRD 20M_Ant4_2414.5



SRD 20M_Ant5_2414.5

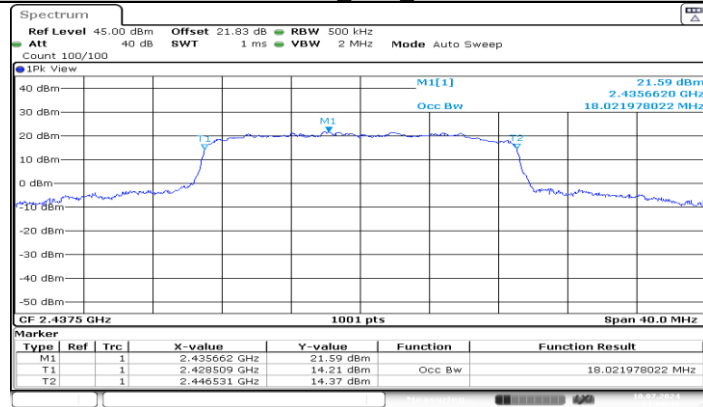


SRD 20M_Ant4_2416.5



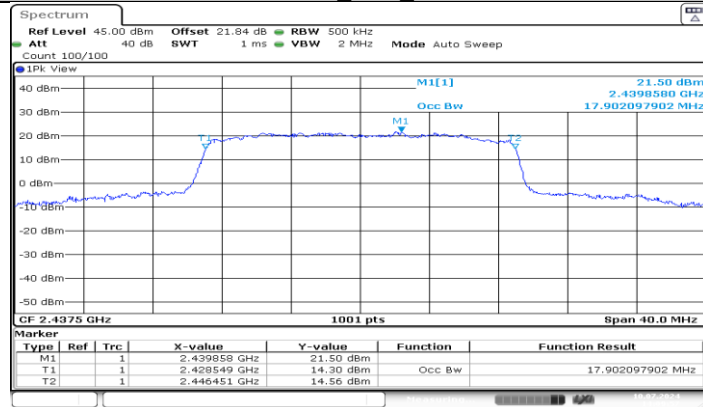
Date: 10 JUL 2024 14:06:08

SRD 20M_Ant5_2416.5



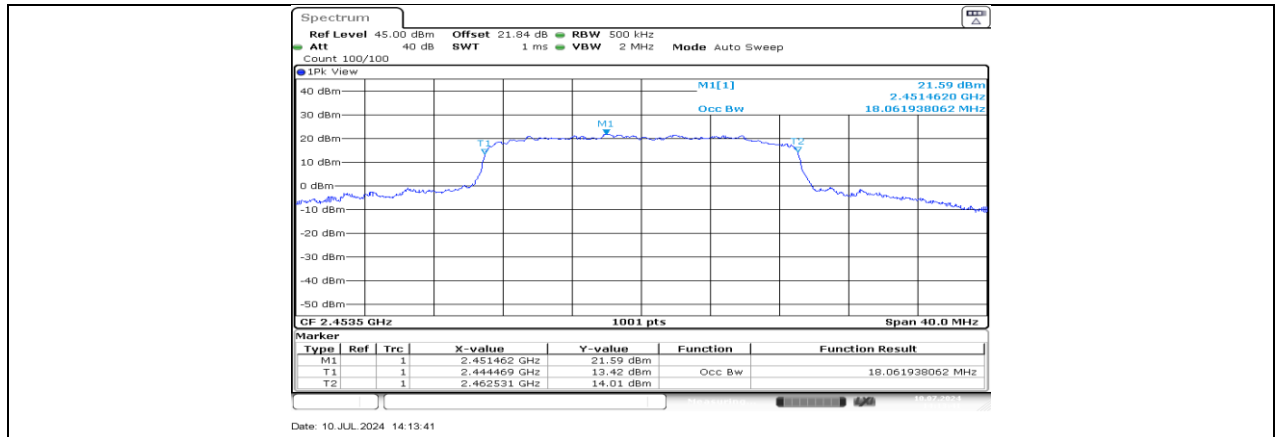
Date: 10 JUL 2024 14:08:40

SRD 20M_Ant4_2437.5

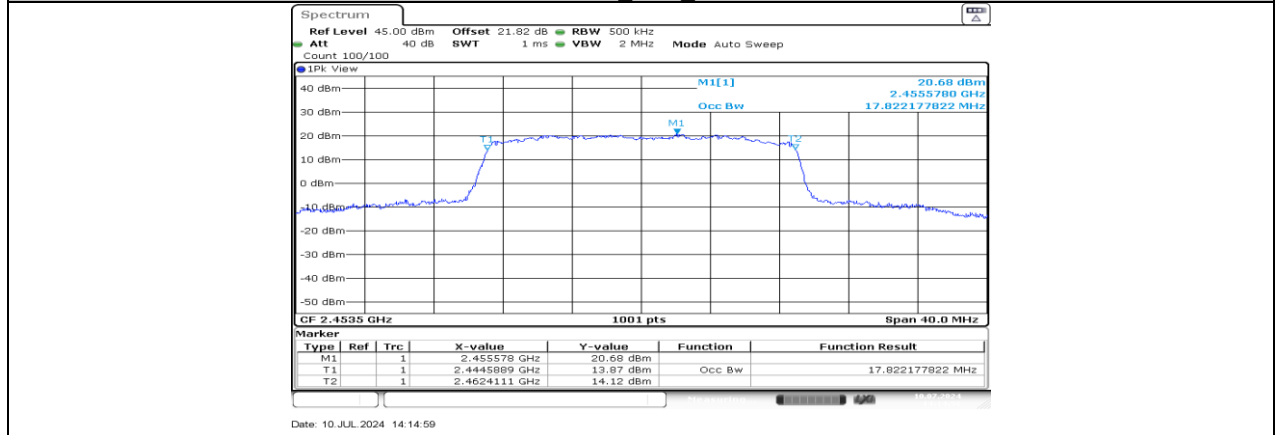


Date: 10 JUL 2024 14:09:57

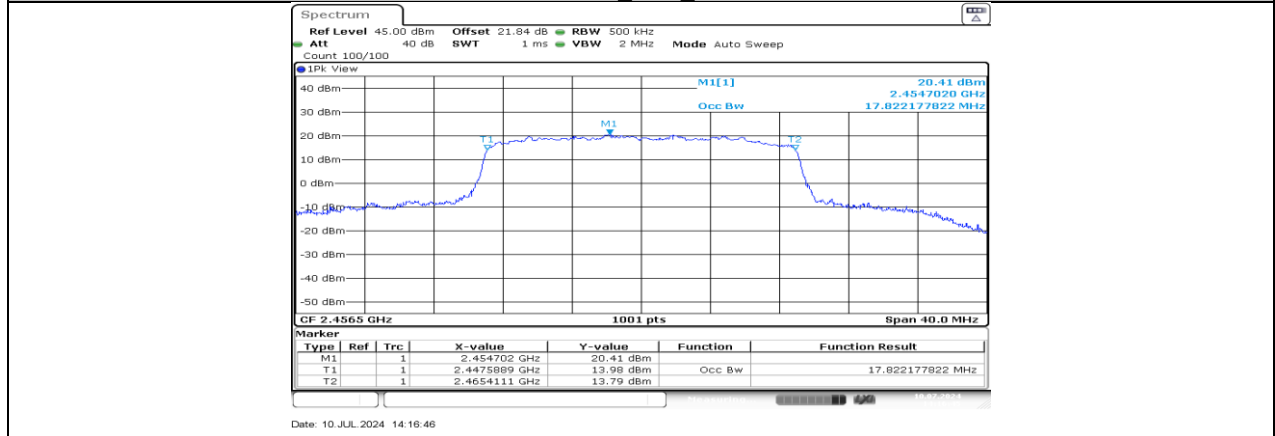
SRD 20M_Ant5_2437.5



SRD 20M Ant4 2453.5



SRD 20M Ant5 2453.5



SRD 20M Ant4 2456.5