CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

DJI Neo

MODEL NUMBER: DN1A0626

REPORT NUMBER: 4791309859-RF-4

ISSUE DATE: May 28, 2024

FCC ID: SS3-DN1A062624

Prepared for

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

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	May 28, 2024	Initial Issue	

Summary of Test Results

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

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

CONTENTS

1. ATTESTATION OF TEST RESULTS

Applicant Information

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

Manufacturer Information

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

EUT Information

EUT Name:	DJI Neo
Model:	DN1A0626
Brand Name:	DJI
Sample Received Date:	May 9, 2024
Sample ID:	7195485
Date of Tested:	May 10, 2024 to May 24, 2024

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

Prepared By:

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Senior Project Engineer

Checked By:

Kebo Zhang

Senior Project Engineer

Approved By:

Stephen Guo

Operations Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, KDB 662911 D01 Multiple Transmitter Output v02r01, CFR 47 FCC Part 2, ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	**A2LA (Certificate No.: 4102.01)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. **FCC (FCC Designation No.: CN1187)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules **ISED (Company No.: 21320)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. **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

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 Neo
Model	DN1A0626

Radio Technology	SRD 2.4 GHz
Operation Frequency	2.4 GHz 10 MHz Bandwidth (2407.5 MHz ~ 2467.5 MHz) 2.4 GHz 20 MHz Bandwidth (2412.5 MHz ~ 2462.5 MHz) 2.4 GHz 40 MHz Bandwidth (2422.5 MHz ~ 2452.5 MHz) 2.4 GHz 60 MHz Bandwidth (2432.5 MHz ~ 2442.5 MHz)
Modulation	OFDM (QPSK, 16QAM, 64QAM)
Battery	DC 7.3 V
Power Supply	DC 5 V

5.2. MAXIMUM OUTPUT POWER

SRD 2.4 GHz	Frequency (MHz)	Channel Number	Maximum Conducted Average Output Power (dBm)
10 MHz Mode	2407.5 MHz ~ 2467.5 MHz	1-61[61]	23.81
20 MHz Mode	2412.5 MHz ~ 2462.5 MHz	1-51[51]	24.41
40 MHz Mode	2422.5 MHz ~ 2452.5 MHz	1-31[31]	24.32
60 MHz Mode	2432.5 MHz ~ 2442.5 MHz	1-11[11]	23.81

5.3. CHANNEL LIST

2.4 GHz 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	/	/

2.4 GHz 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	/	/

2.4 GHz 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 2.4 GHz	Test Channel Number	Frequency
10 MHz Mode	CH 1(Low Channel), CH11, CH 31(MID Channel), CH 61(High Channel)	2407.5 MHz, 2417.5 MHz, 2437.5 MHz, 2467.5 MHz
20 MHz Mode	CH 1(Low Channel), CH 2, CH 3, CH 4, CH 26(MID Channel), CH 51(High Channel)	2412.5 MHz, 2413.5 MHz, 2414.5 MHz, 2415.5 MHz, 2437.5 MHz, 2462.5 MHz
40 MHz Mode	CH 1(Low Channel), CH 2, CH 16(MID Channel), CH 31(High Channel)	2422.5 MHz, 2423.5 MHz, 2437.5 MHz, 2452.5 MHz
60 MHz Mode	CH 1(Low Channel), CH 2, CH 3, CH 6(MID Channel), CH10, CH 11(High Channel)	2432.5 MHz, 2433.5 MHz, 2437.5 MHz, 2441.5 MHz, 2442.5 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5 MHz Band				
Test Software		DjiSRDConsole		
Modulation Mode	Transmit Antenna Number	Test Software setting value		
		NCB: 10 MHz/20 MHz/40 MHz/60 MHz		
		Low Channel	MID Channel	High Channel
All	0	Default	Default	Default
	1	Default	Default	Default

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	Maximum Antenna Gain (dBi)
0	2400 ~ 2483.5	Dipole	1.48
1	2400 ~ 2483.5	Dipole	1.87

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

Note: 1. The value of the antenna gain was declared by customer.
2. The EUT doesn't support MIMO mode.
3. Only SRD 2.4 GHz and 5 GHz WiFi 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 2.4 GHz-10 MHz Mode/QPSK
SRD 2.4 GHz-20 MHz Mode/QPSK
SRD 2.4 GHz-40 MHz Mode/QPSK
SRD 2.4 GHz-60 MHz Mode/QPSK

The EUT has 2 separate antennas which correspond to 2 separate antenna ports, core ANT 0, core ANT 1 antenna 0, antenna 1 respectively, the EUT only support 1TX 2RX mode, all modes had been tested, but only the worst data was recorded in the report.

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

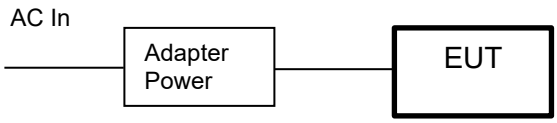
Item	Accessory	Brand Name	Model Name	Description
/	/	/	/	/

TEST SETUP

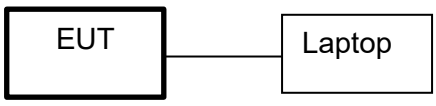
The EUT can work in engineering mode with a software through a laptop.

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.	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	Aug.01, 2024
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	130940	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Oct.12, 2023	Oct.11, 2024
Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024
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

7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

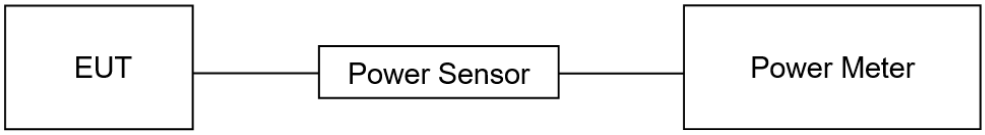
CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3)	AVG Output Power	1 watt or 30 dBm	2400-2483.5

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 11.9.2.3.1.

Connect the EUT to a low loss RF cable from the antenna port to the power sensor (video bandwidth is greater than the occupied bandwidth).
Measure peak emission level, the indicated level is the average output power, after any corrections for external attenuators and cables.
The test result in dBm by adding [10 log (1 / D)], where D is the duty cycle.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.8 °C	Relative Humidity	58 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.3 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.

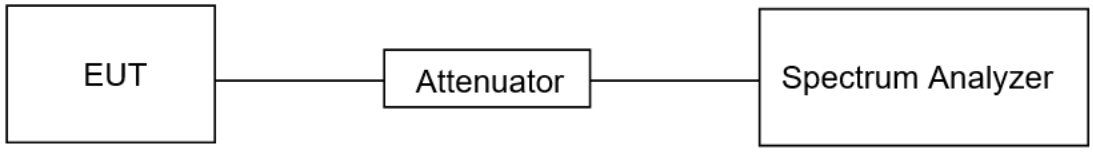
Connect the EUT to the spectrum analyzer and use the following settings:

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: ≥3 × RBW For 99 % Occupied Bandwidth: ≥3 × RBW
Trace	Max hold
Sweep	Auto couple

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

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

TEST SETUP



TEST ENVIRONMENT

Temperature	24.8 °C	Relative Humidity	58 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.3 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

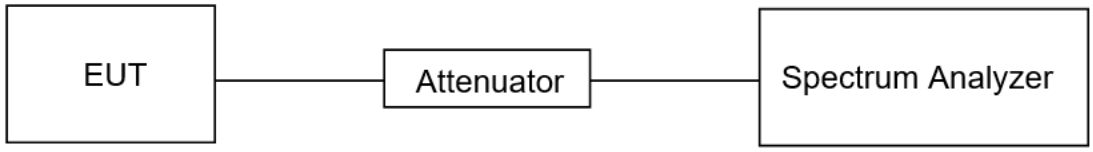
Refer to ANSI C63.10-2013 clause 11.10.5.

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

Center Frequency	The center frequency of the channel under test
Detector	power averaging (rms)
RBW	3 kHz ≤ RBW ≤ 100 kHz
VBW	≥3 × RBW
Span	1.5 x OBW bandwidth
Trace	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	24.8 °C	Relative Humidity	58 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.3 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:

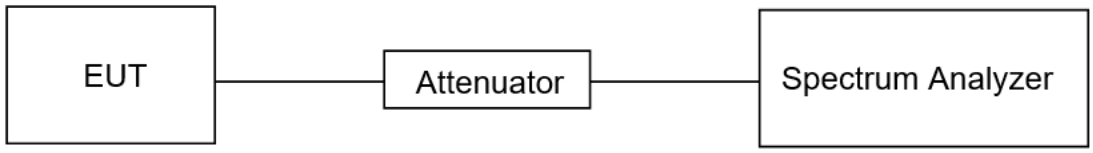
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

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

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
measurement points	≥span/RBW
Trace	Max hold
Sweep time	Auto couple.

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

TEST SETUP



TEST ENVIRONMENT

Temperature	24.8 °C	Relative Humidity	58 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.3 V

TEST RESULTS

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

7.5. DUTY CYCLE

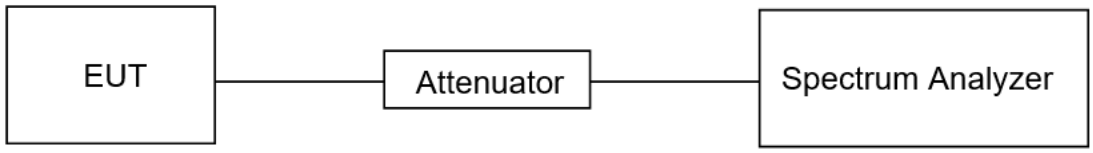
LIMITS

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	24.8 °C	Relative Humidity	58 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.3 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: [1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
[2]Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

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

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

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

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

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

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

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

7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

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

Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

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

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

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

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

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

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

Above 1 GHz

The setting of the spectrum analyzer

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

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

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

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

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

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

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

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/Ton, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
8. All modes, 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.

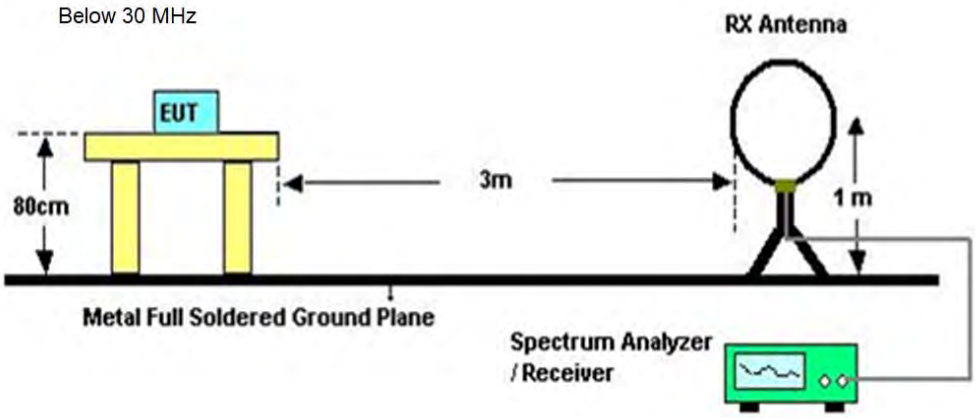
For Radiate Spurious Emission (30 MHz ~ 1 GHz):
Note:
1. Result Level = Read Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All modes, channels and antennas have been tested, only the worst data was recorded in the report.

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

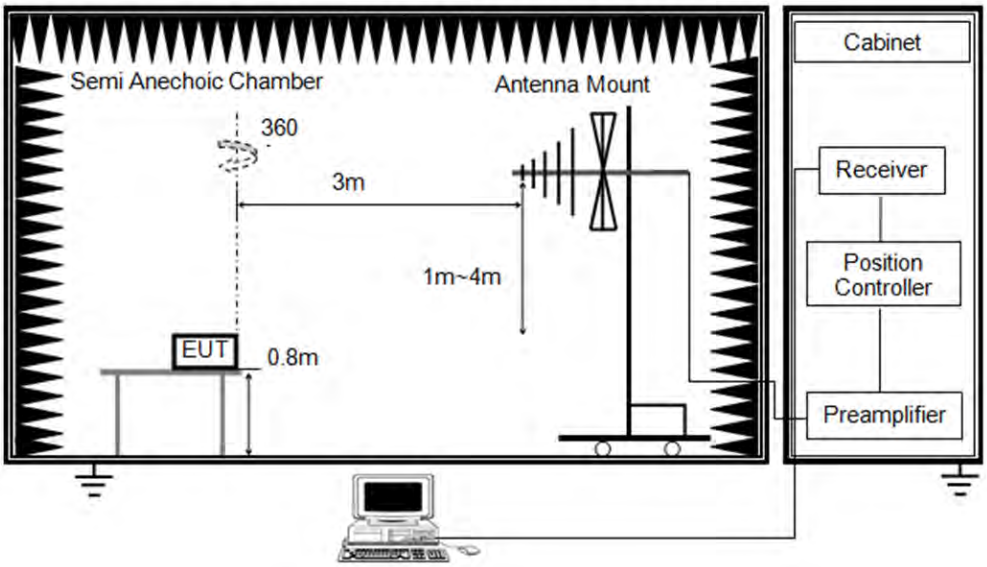
For Radiate Spurious Emission (3 GHz ~ 18 GHz):
Note:
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: VBW=1/Ton, where: Ton is the transmitting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

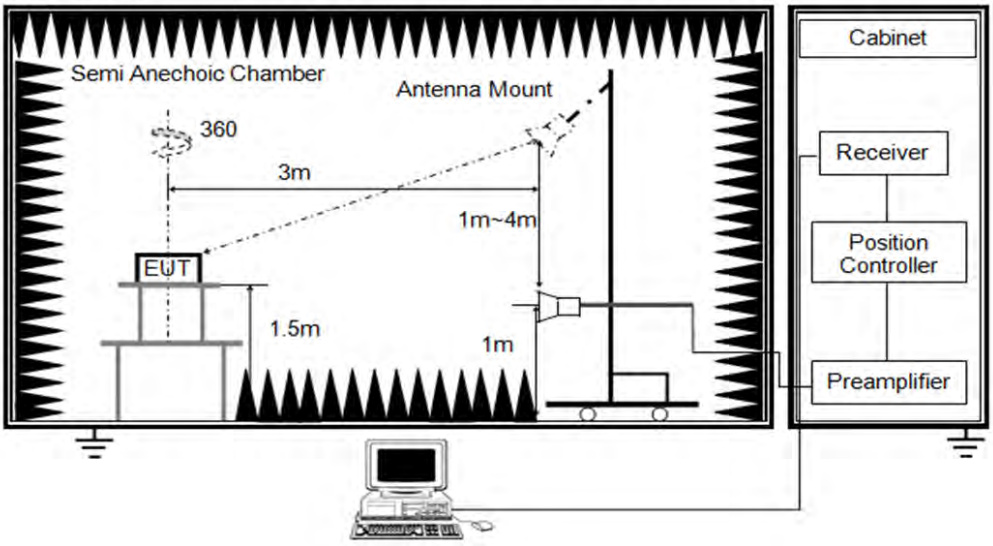
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1 GHz



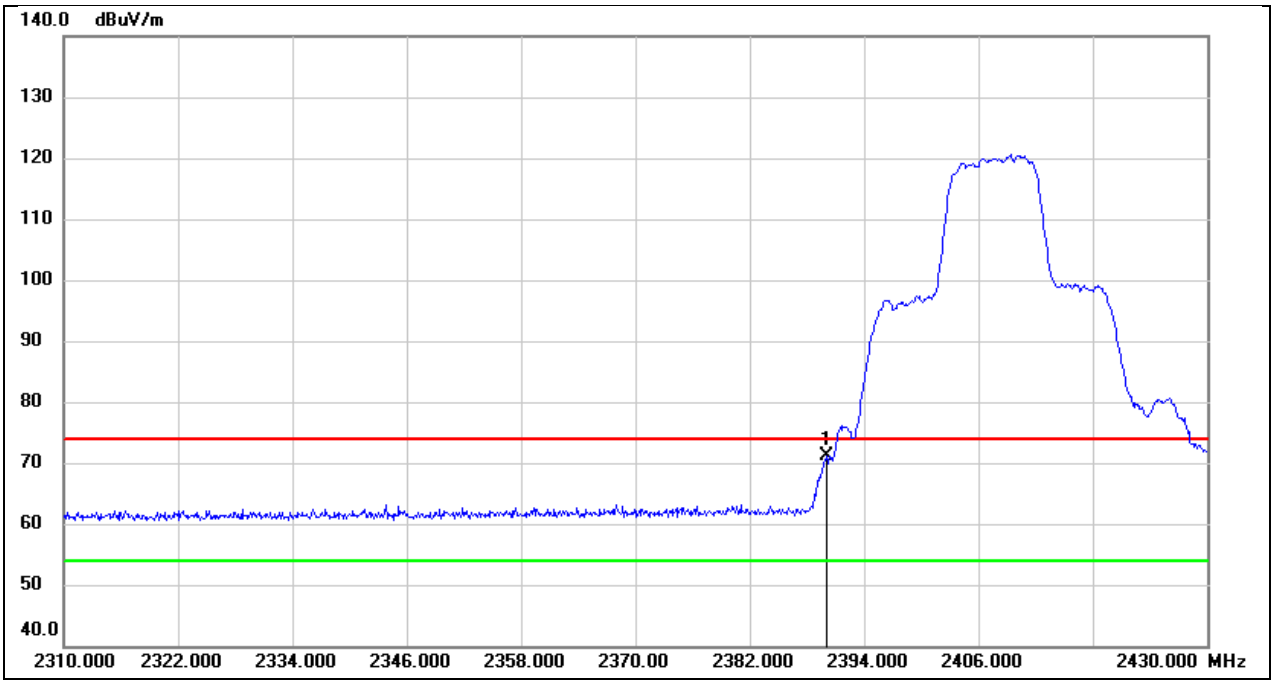
TEST ENVIRONMENT

Temperature	24.2 °C	Relative Humidity	57 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 7.3 V

TEST RESULTS

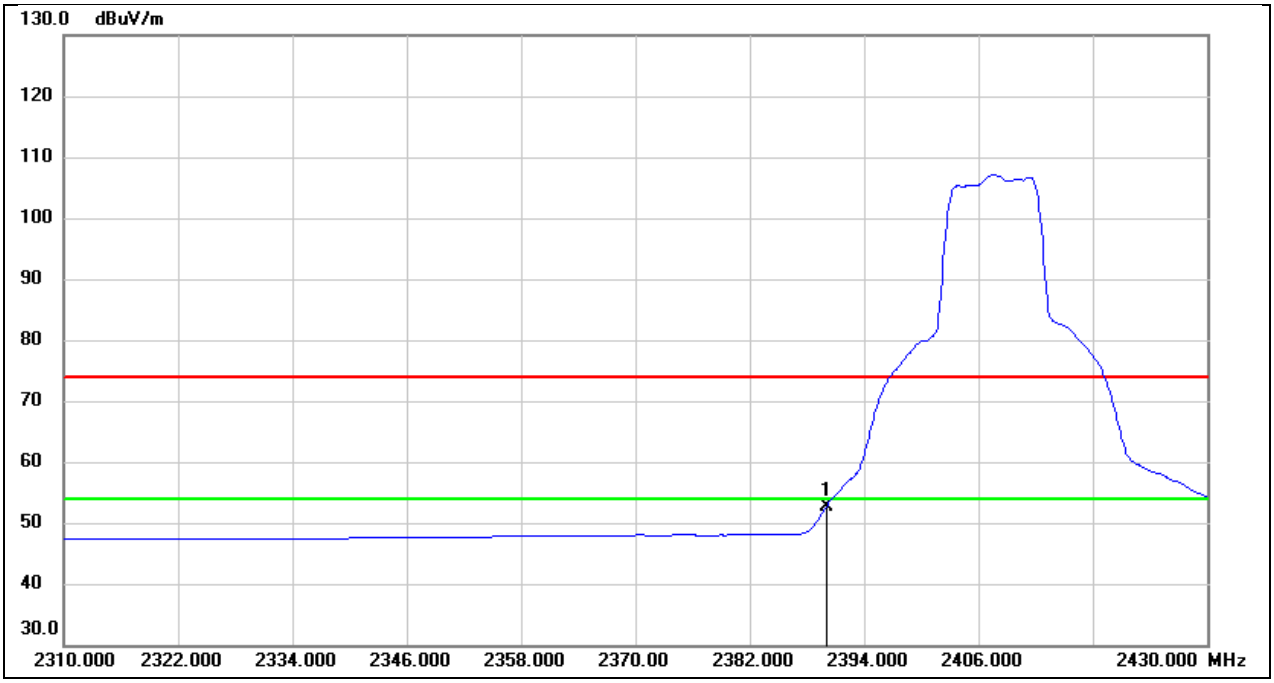
8.1. RESTRICTED BANDEDGE

Test Mode:	SRD 10MHz PK	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



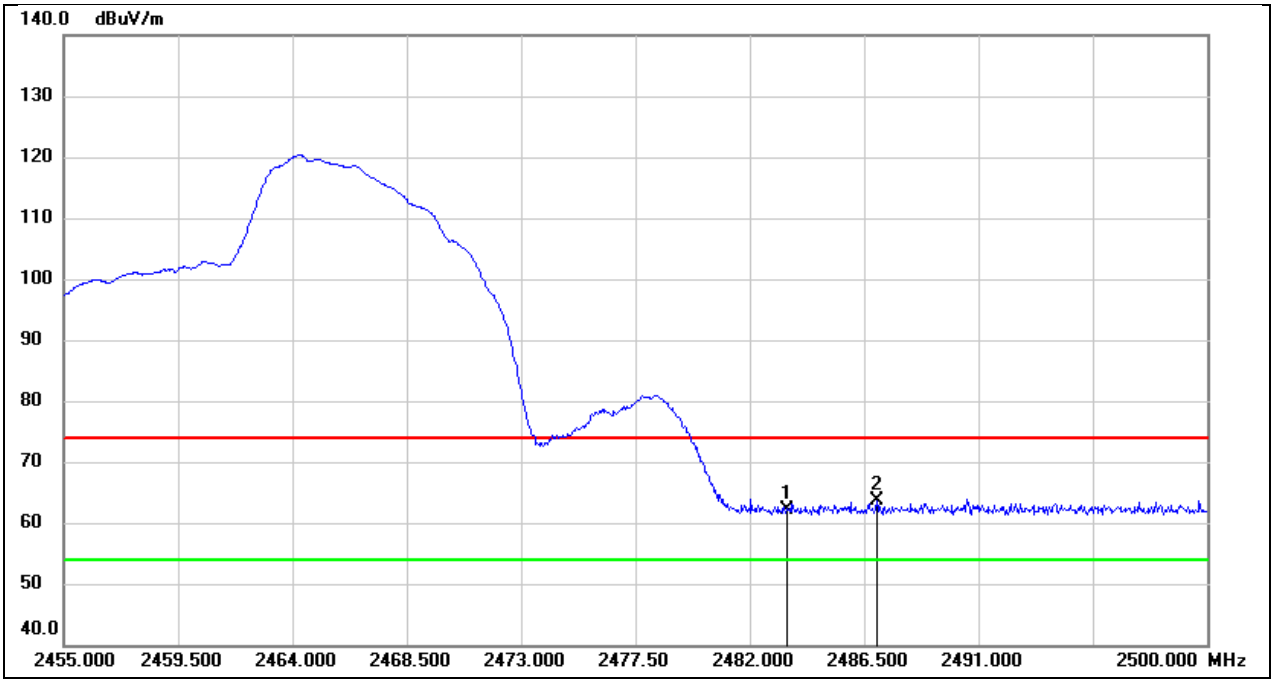
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	38.12	32.92	71.04	74.00	-2.96	peak

Test Mode:	SRD 10MHz AV	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



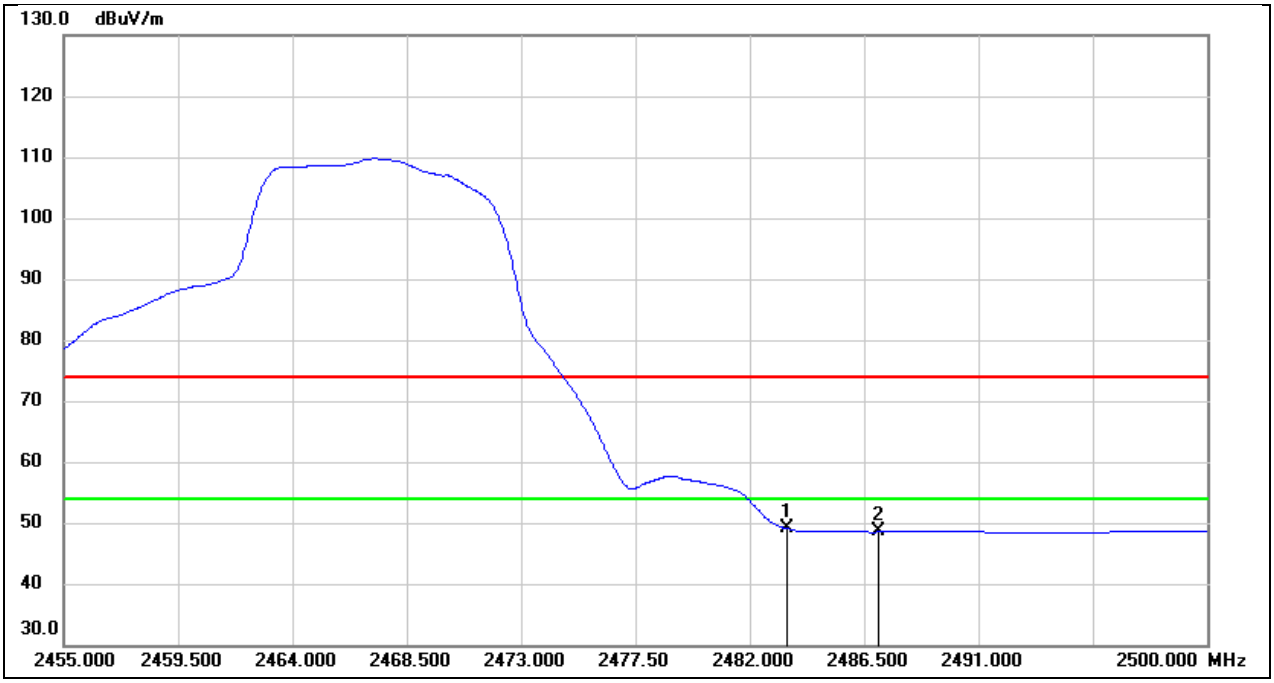
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	19.75	32.92	52.67	54.00	-1.33	AVG

Test Mode:	SRD 10MHz PK	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



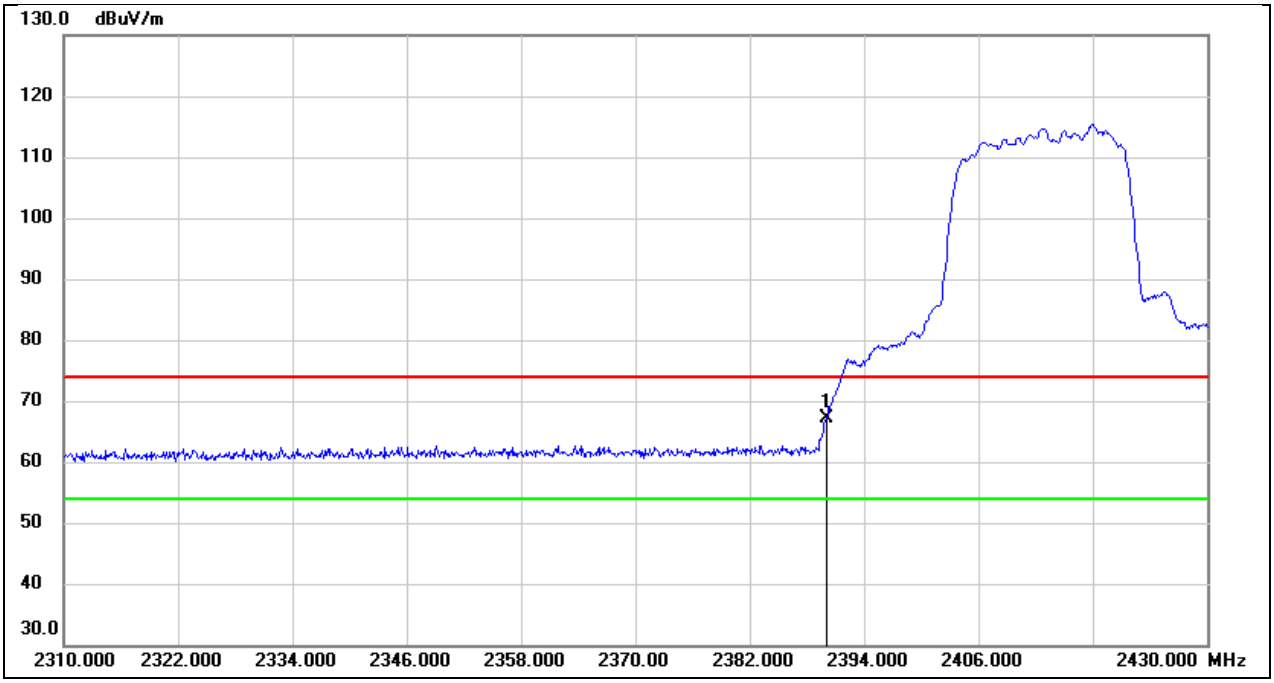
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.12	32.94	62.06	74.00	-11.94	peak
2	2486.995	30.58	32.94	63.52	74.00	-10.48	peak

Test Mode:	SRD 10MHz AV	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



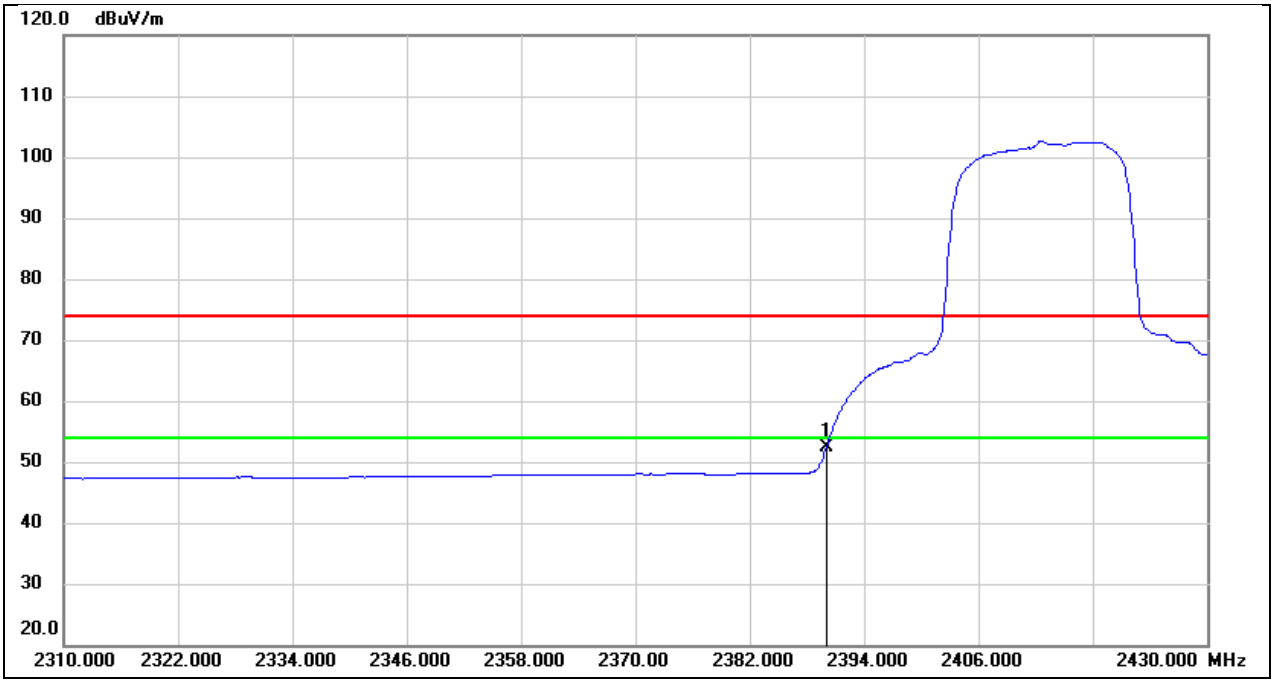
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.07	32.94	49.01	54.00	-4.99	AVG
2	2486.995	15.58	32.94	48.52	54.00	-5.48	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



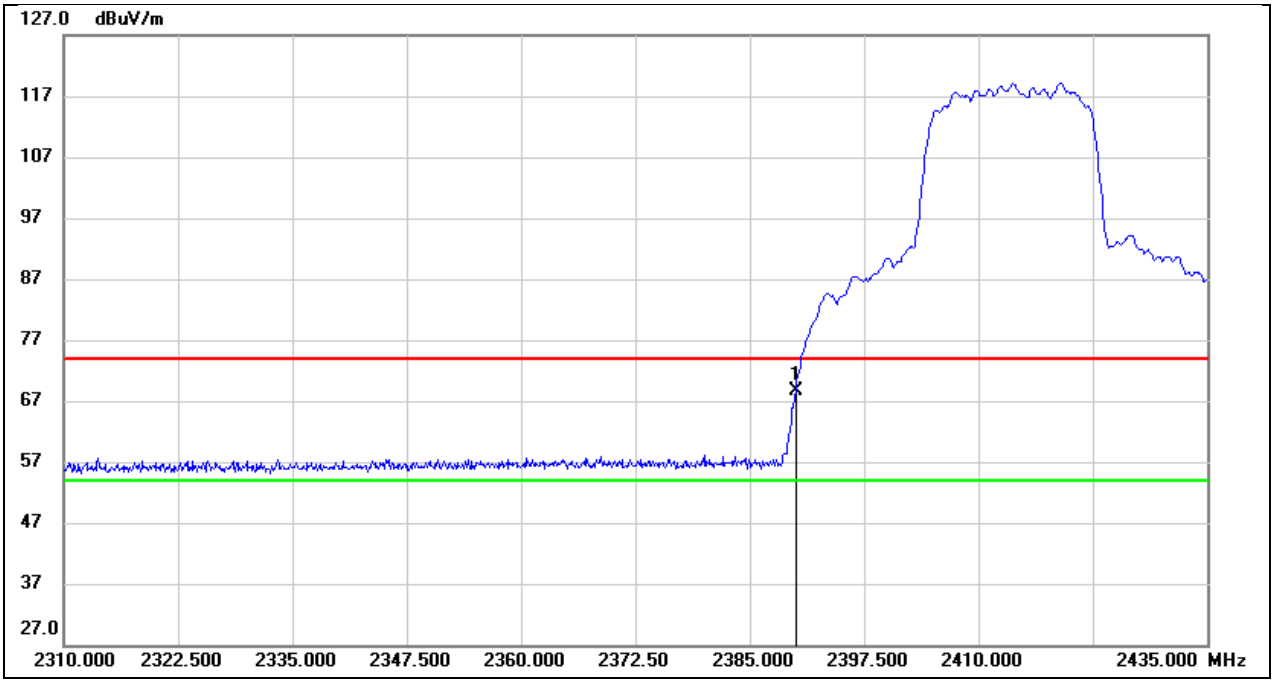
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	34.26	32.92	67.18	74.00	-6.82	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



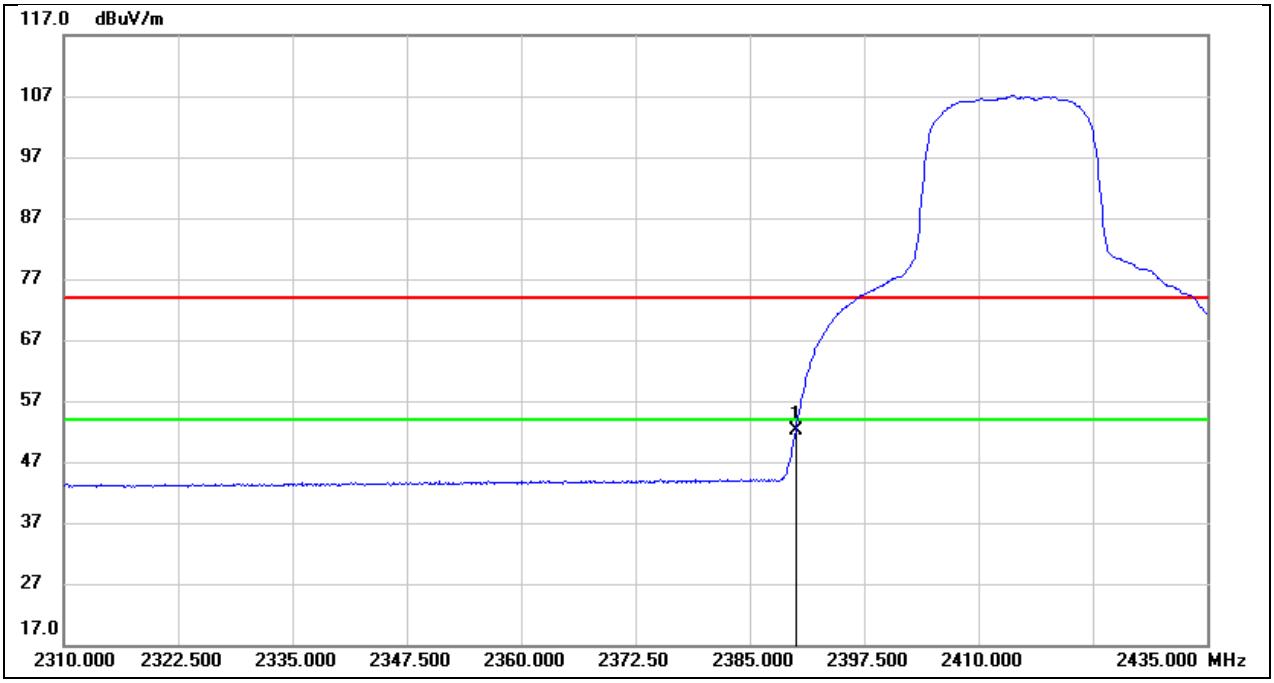
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	19.54	32.92	52.46	54.00	-1.54	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2413.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



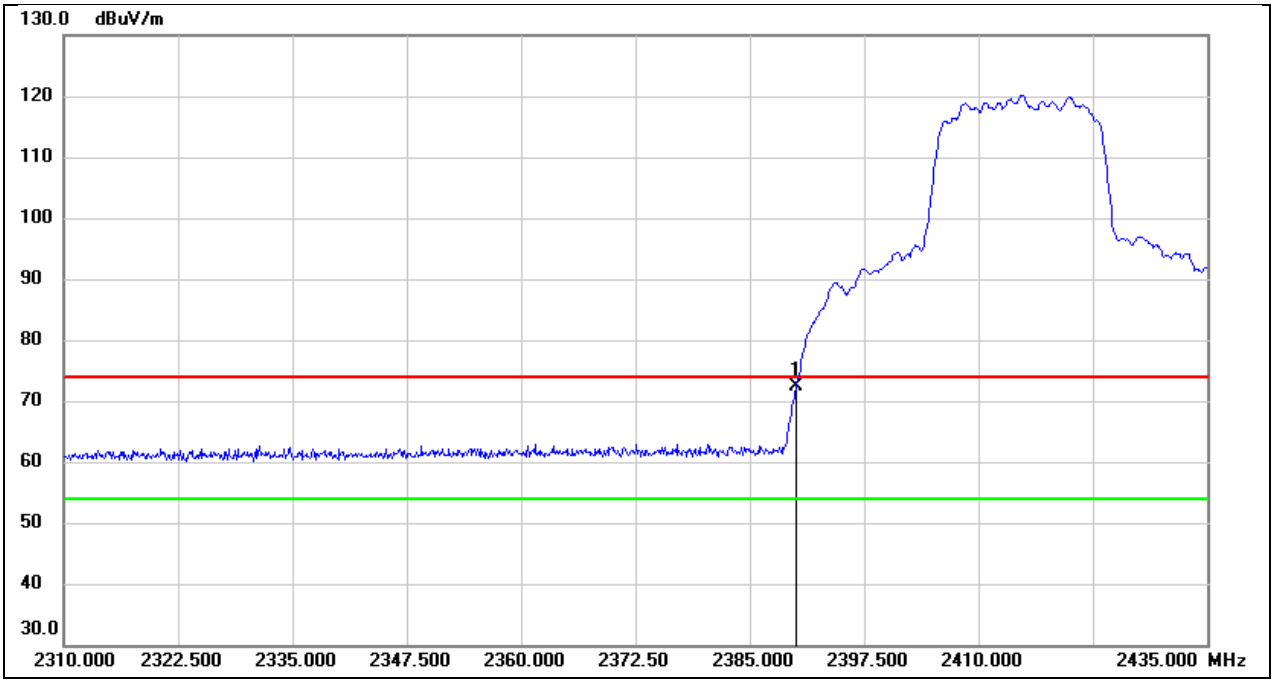
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	35.75	32.92	68.67	74.00	-5.33	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2413.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



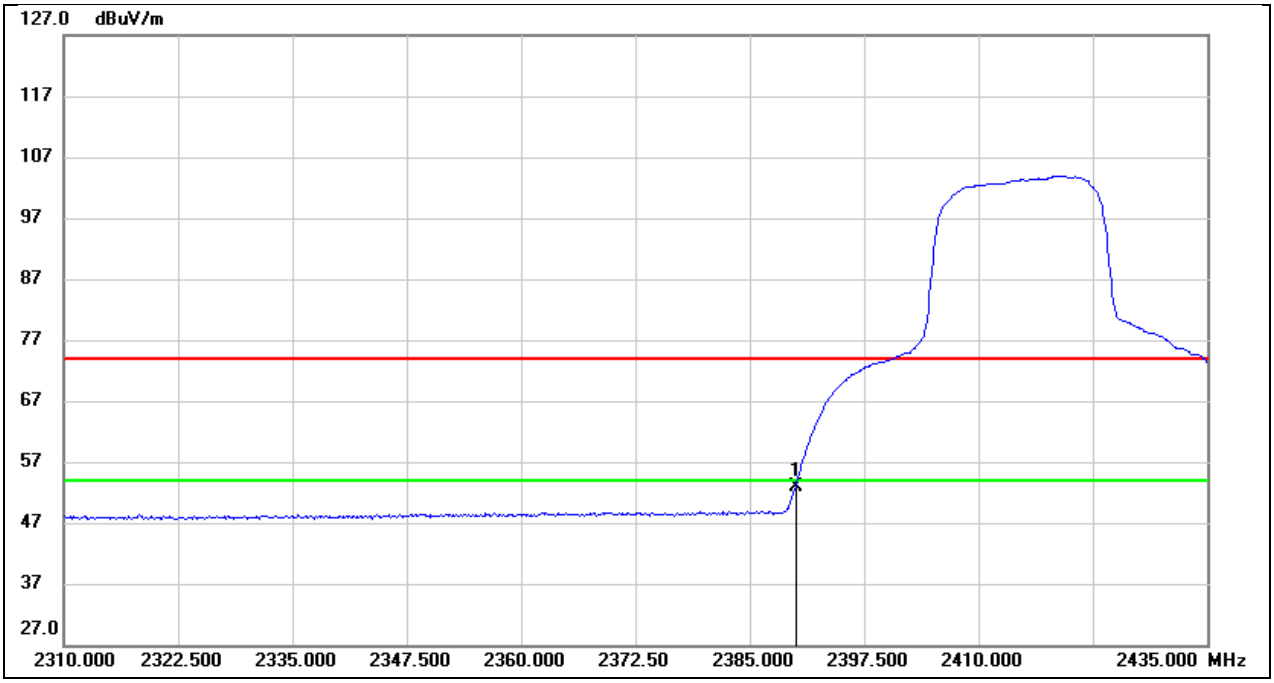
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	19.27	32.92	52.19	54.00	-1.81	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2414.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



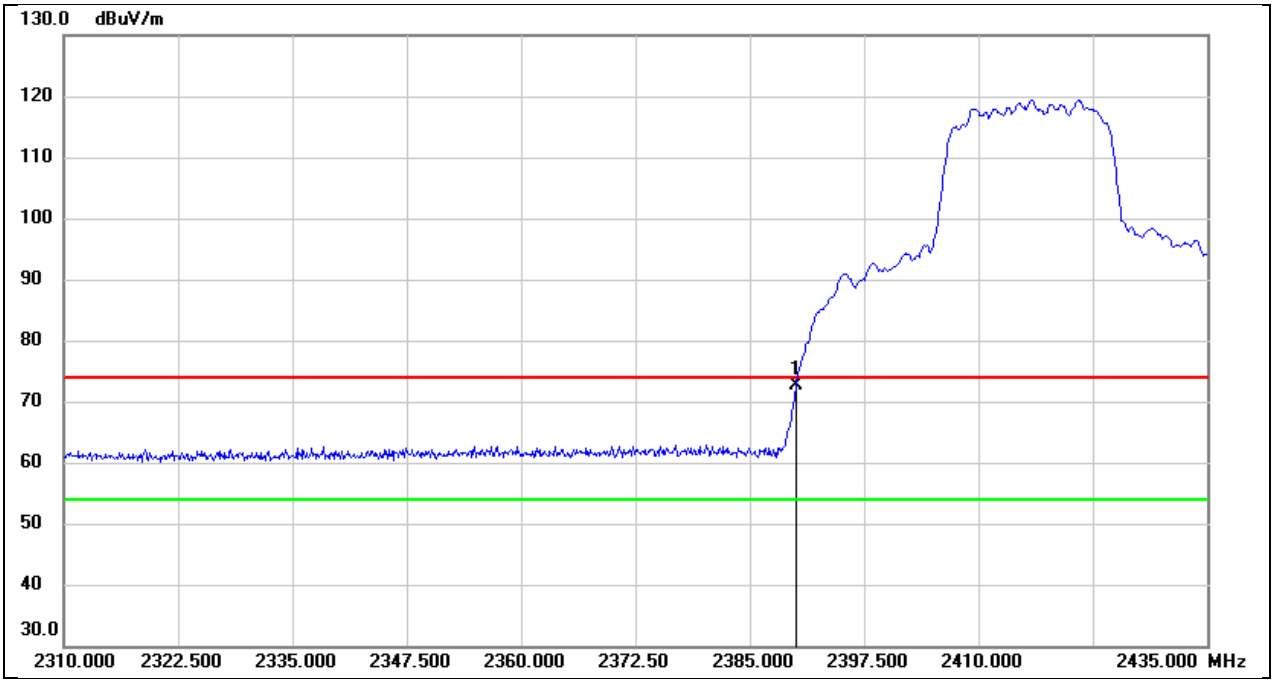
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	39.55	32.92	72.47	74.00	-1.53	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2414.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



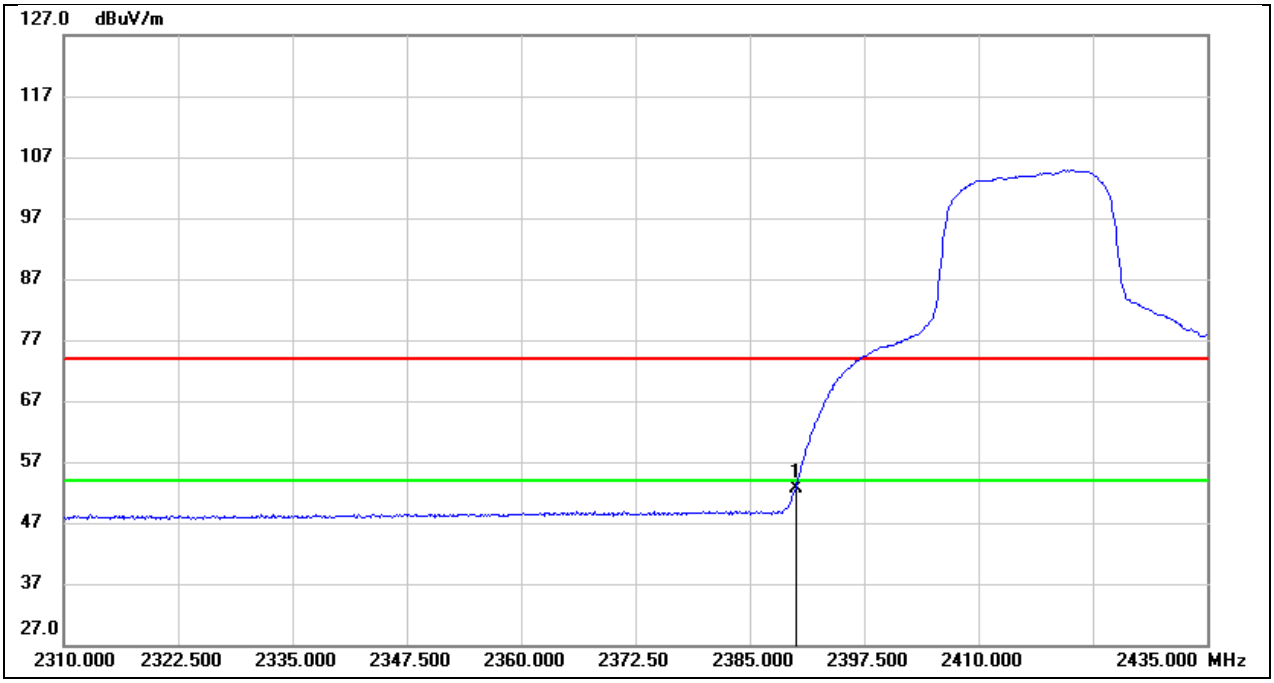
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	20.06	32.92	52.98	54.00	-1.02	AVG

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2415.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



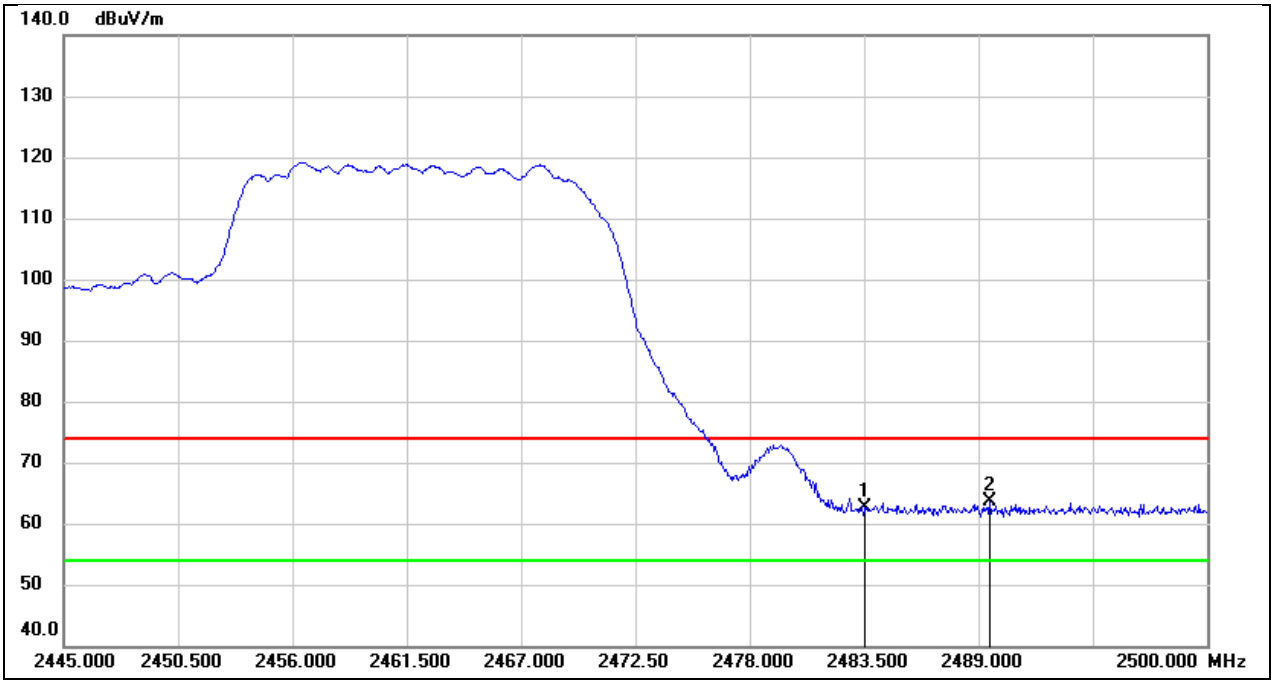
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	39.62	32.92	72.54	74.00	-1.46	peak

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2415.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



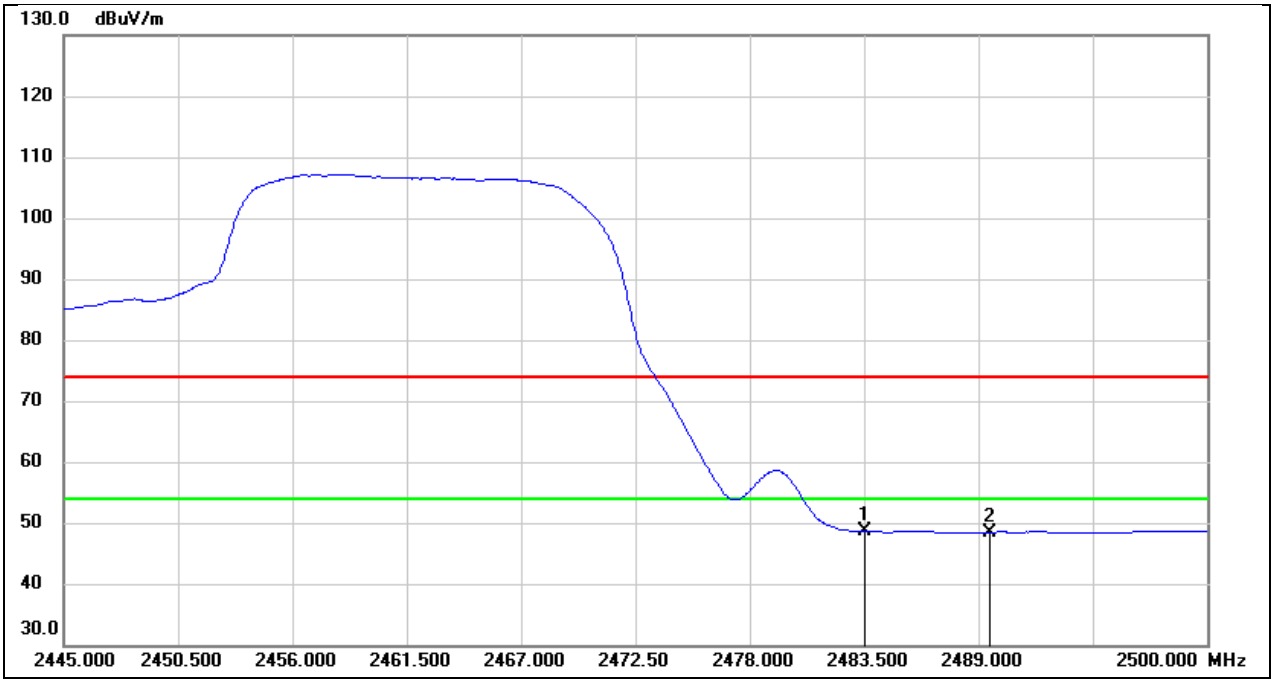
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	19.78	32.92	52.70	54.00	-1.30	AVG

Test Mode:	SRD 20MHz PK	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



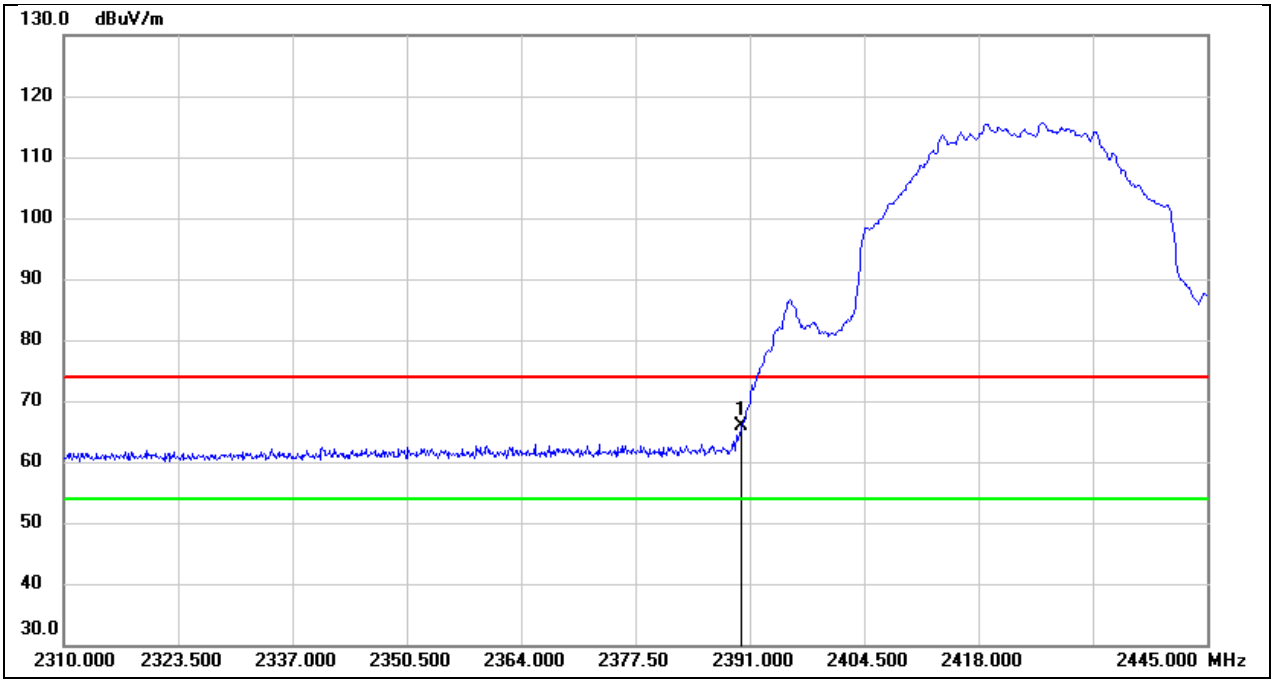
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.65	32.94	62.59	74.00	-11.41	peak
2	2489.550	30.71	32.93	63.64	74.00	-10.36	peak

Test Mode:	SRD 20MHz AV	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



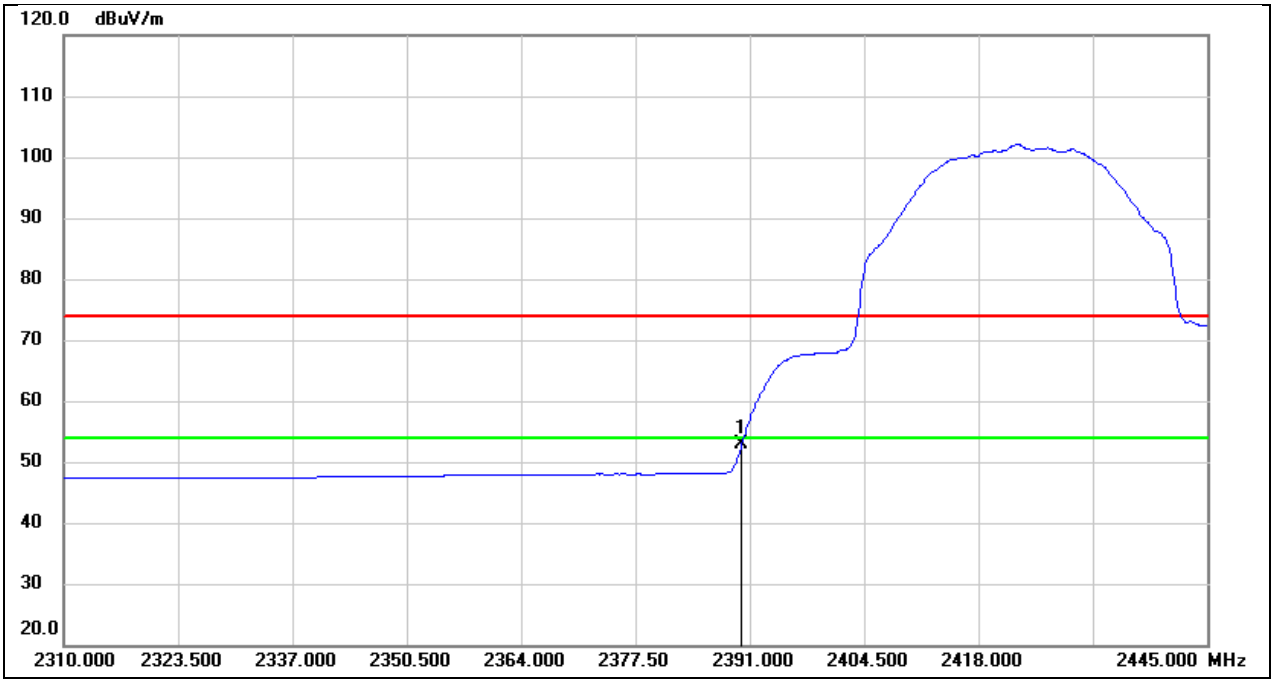
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.70	32.94	48.64	54.00	-5.36	AVG
2	2489.550	15.50	32.93	48.43	54.00	-5.57	AVG

Test Mode:	SRD 40MHz PK	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



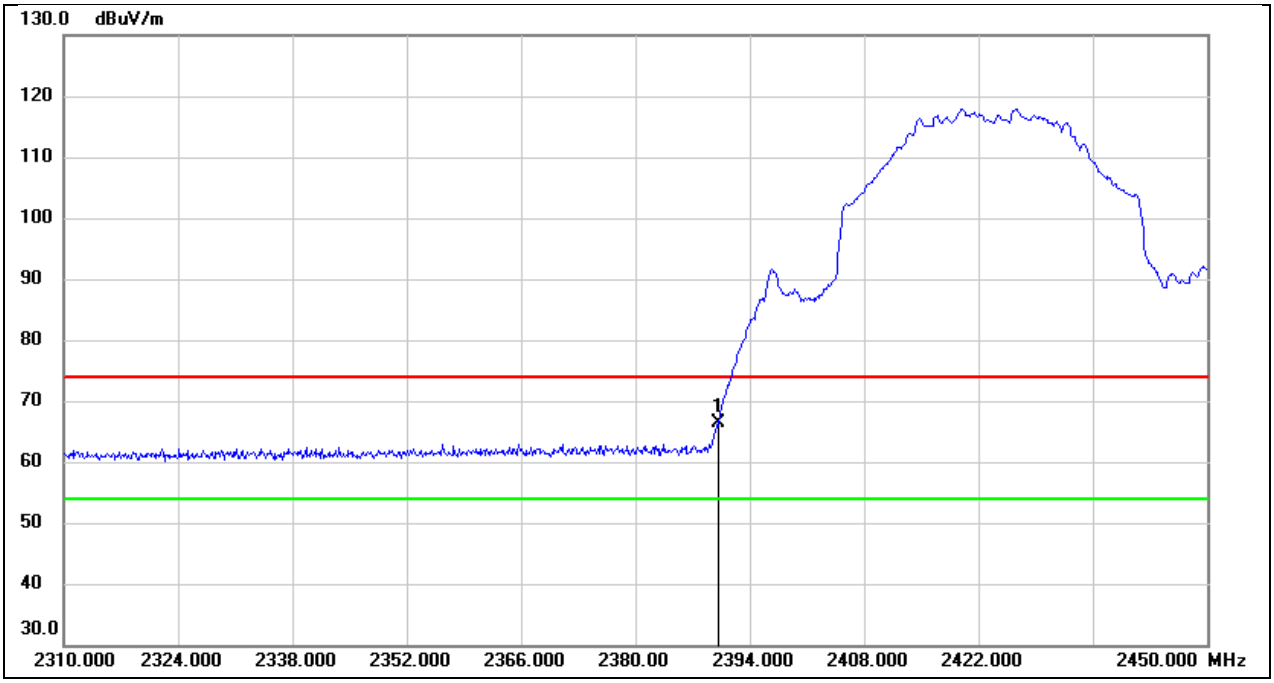
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	32.89	32.92	65.81	74.00	-8.19	peak

Test Mode:	SRD 40MHz AV	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



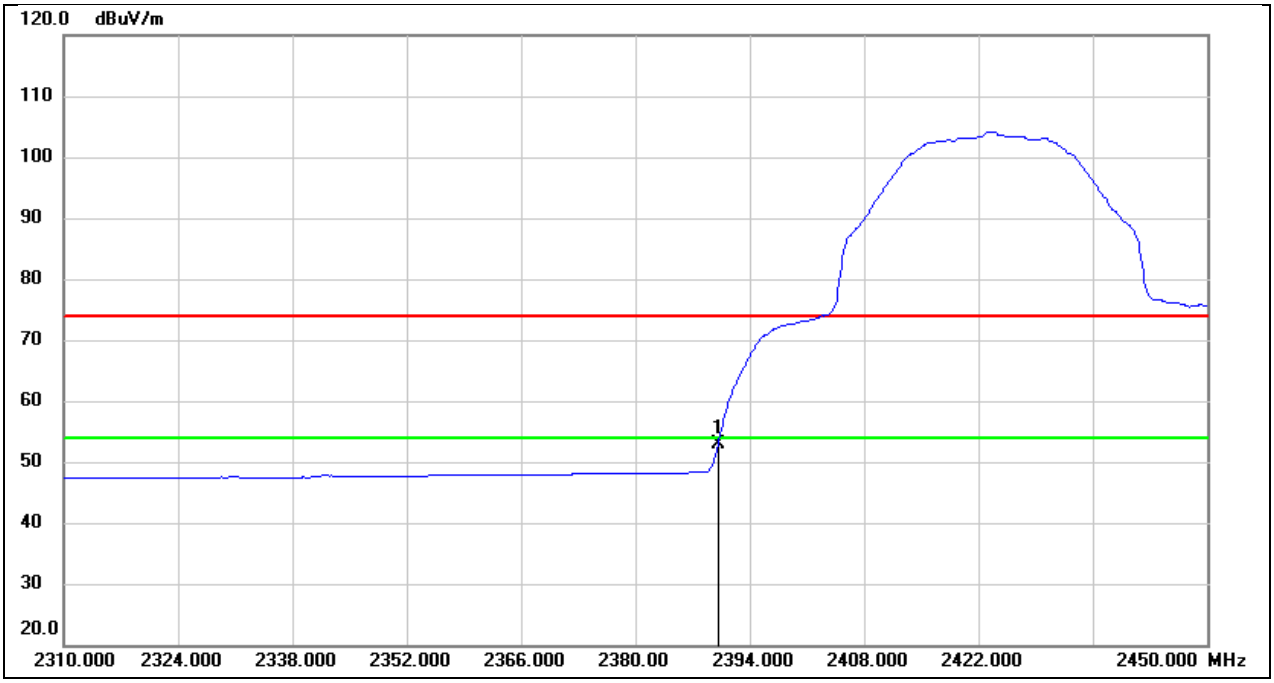
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	19.98	32.92	52.90	54.00	-1.10	AVG

Test Mode:	SRD 40MHz PK	Frequency(MHz):	2423.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



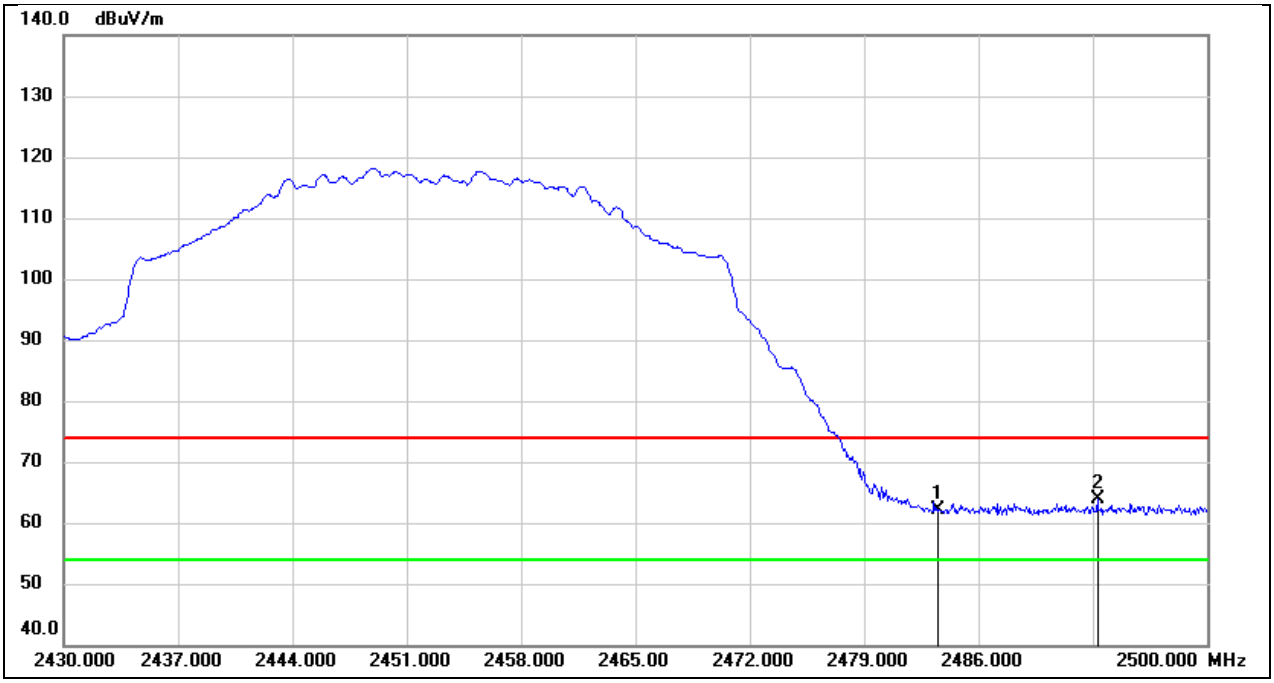
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	33.48	32.92	66.40	74.00	-7.60	peak

Test Mode:	SRD 40MHz AV	Frequency(MHz):	2423.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



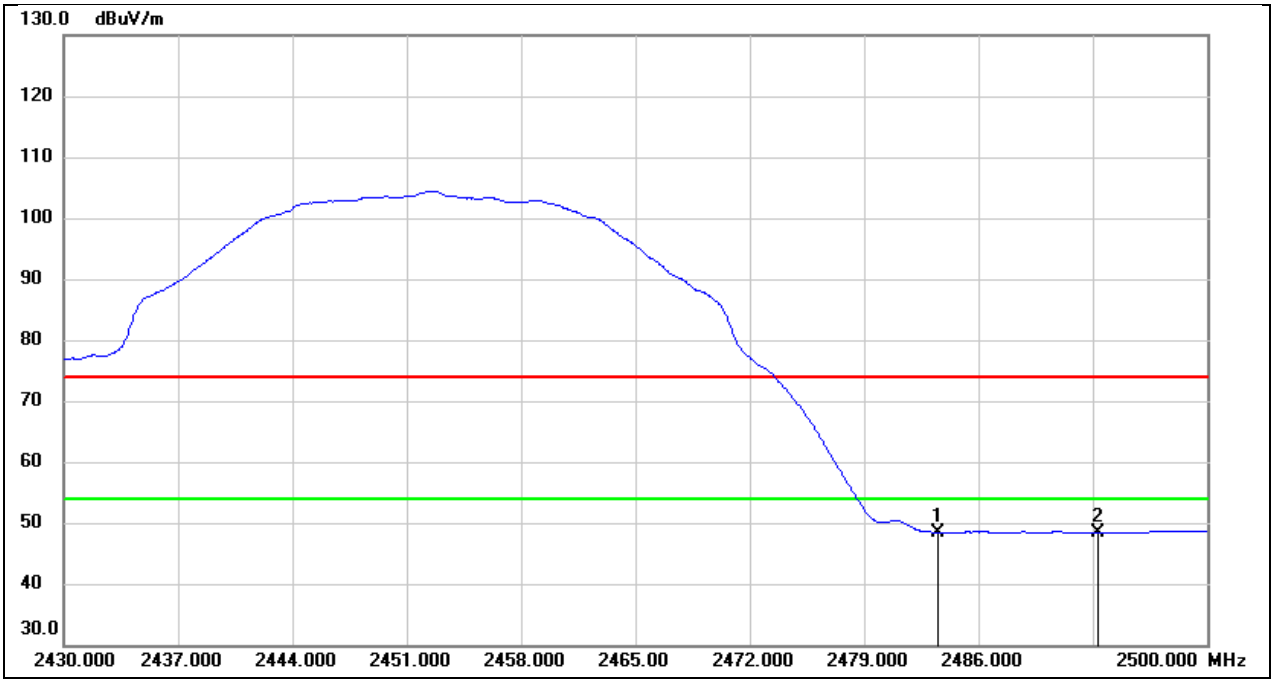
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	19.84	32.92	52.76	54.00	-1.24	AVG

Test Mode:	SRD 40MHz PK	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



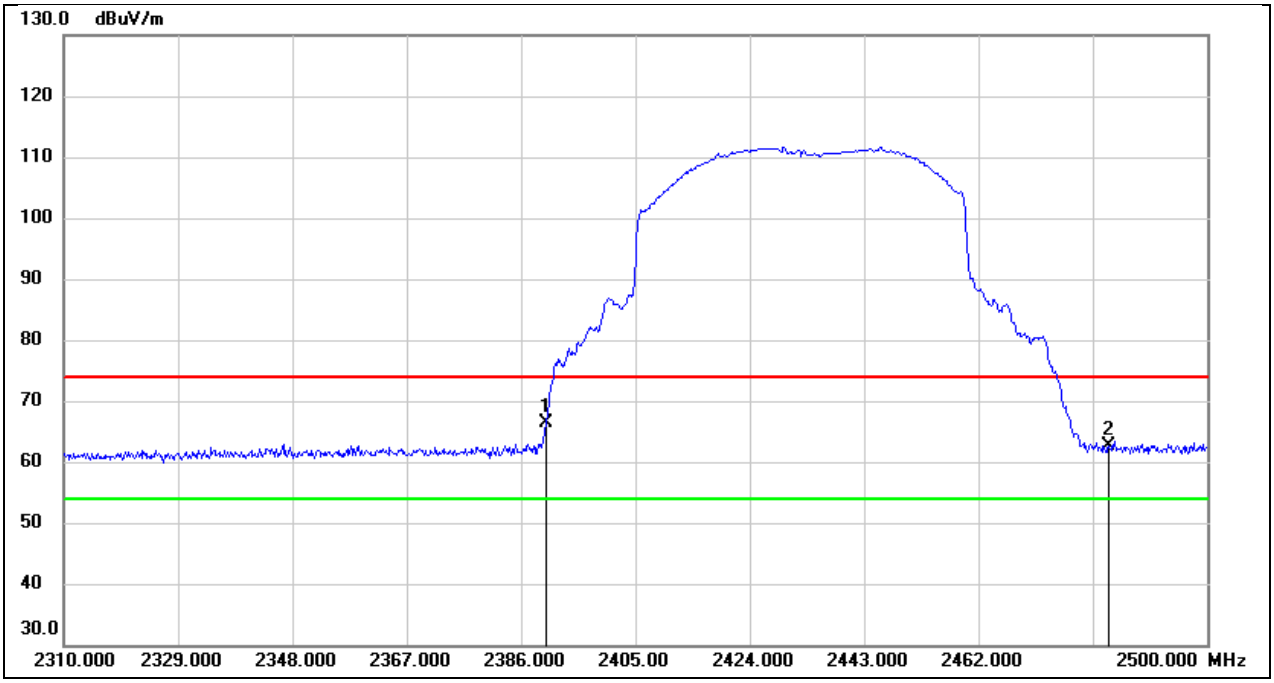
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.10	32.94	62.04	74.00	-11.96	peak
2	2493.280	30.96	32.93	63.89	74.00	-10.11	peak

Test Mode:	SRD 40MHz AV	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



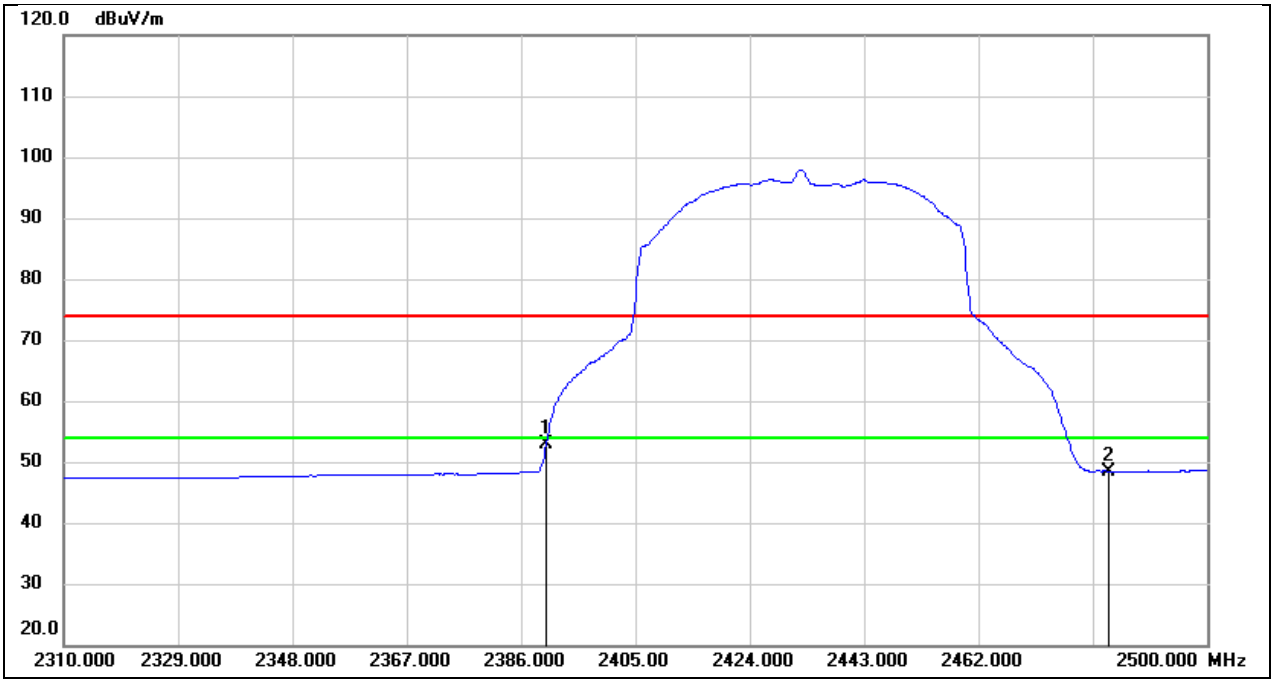
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.53	32.94	48.47	54.00	-5.53	AVG
2	2493.280	15.51	32.93	48.44	54.00	-5.56	AVG

Test Mode:	SRD 60MHz PK	Frequency(MHz):	2432.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



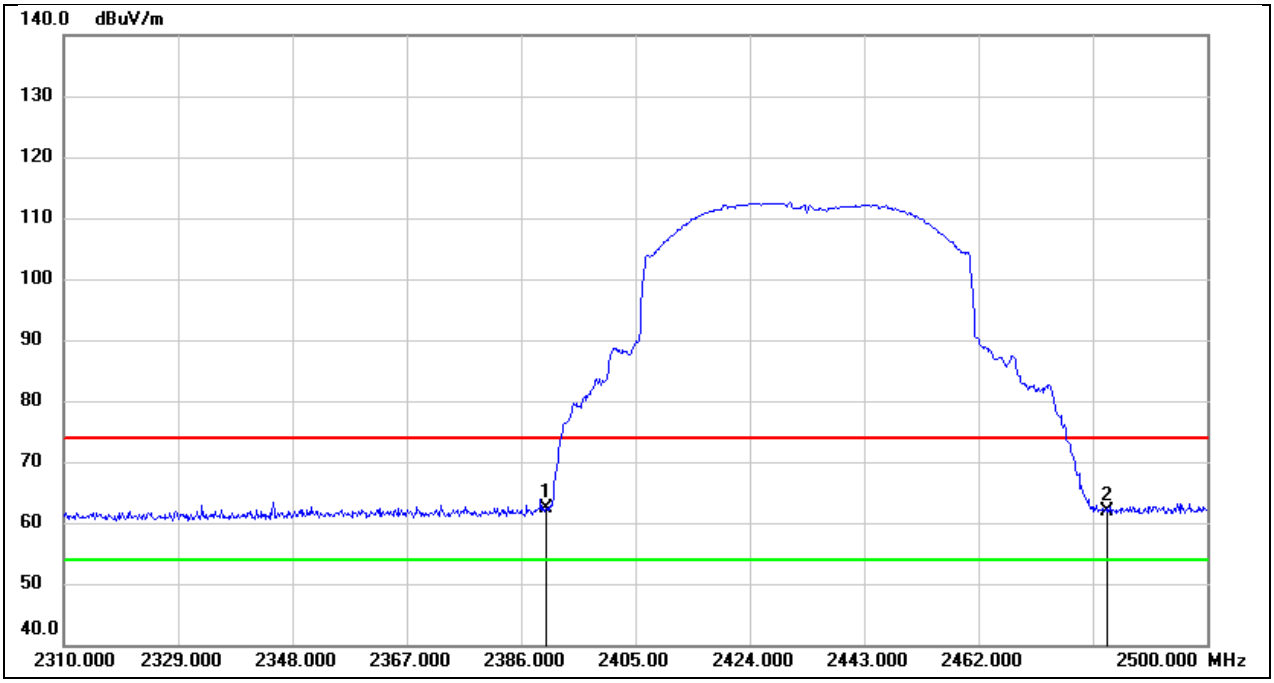
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	33.48	32.92	66.40	74.00	-7.60	peak
2	2483.500	29.57	32.94	62.51	74.00	-11.49	peak

Test Mode:	SRD 60MHz AV	Frequency(MHz):	2432.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



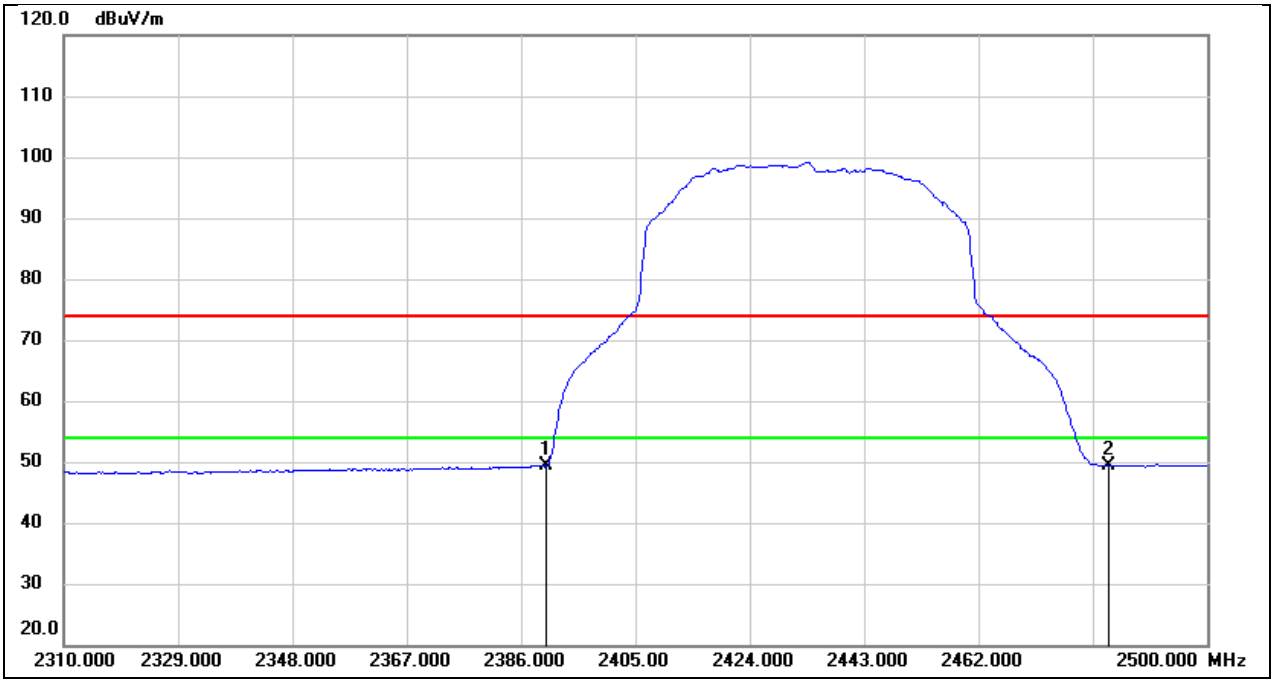
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	20.02	32.92	52.94	54.00	-1.06	AVG
2	2483.500	15.51	32.94	48.45	54.00	-5.55	AVG

Test Mode:	SRD 60MHz PK	Frequency(MHz):	2433.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



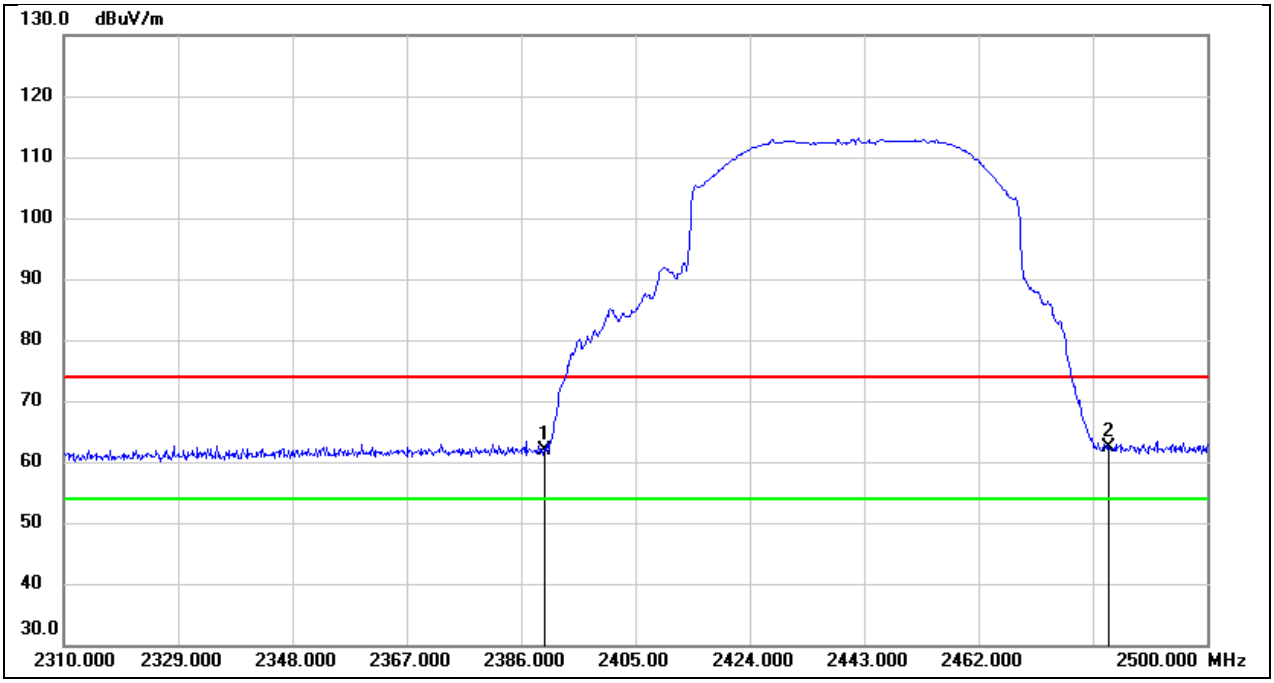
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.39	32.92	62.31	74.00	-11.69	peak
2	2483.500	28.96	32.94	61.90	74.00	-12.10	peak

Test Mode:	SRD 60MHz AV	Frequency(MHz):	2433.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



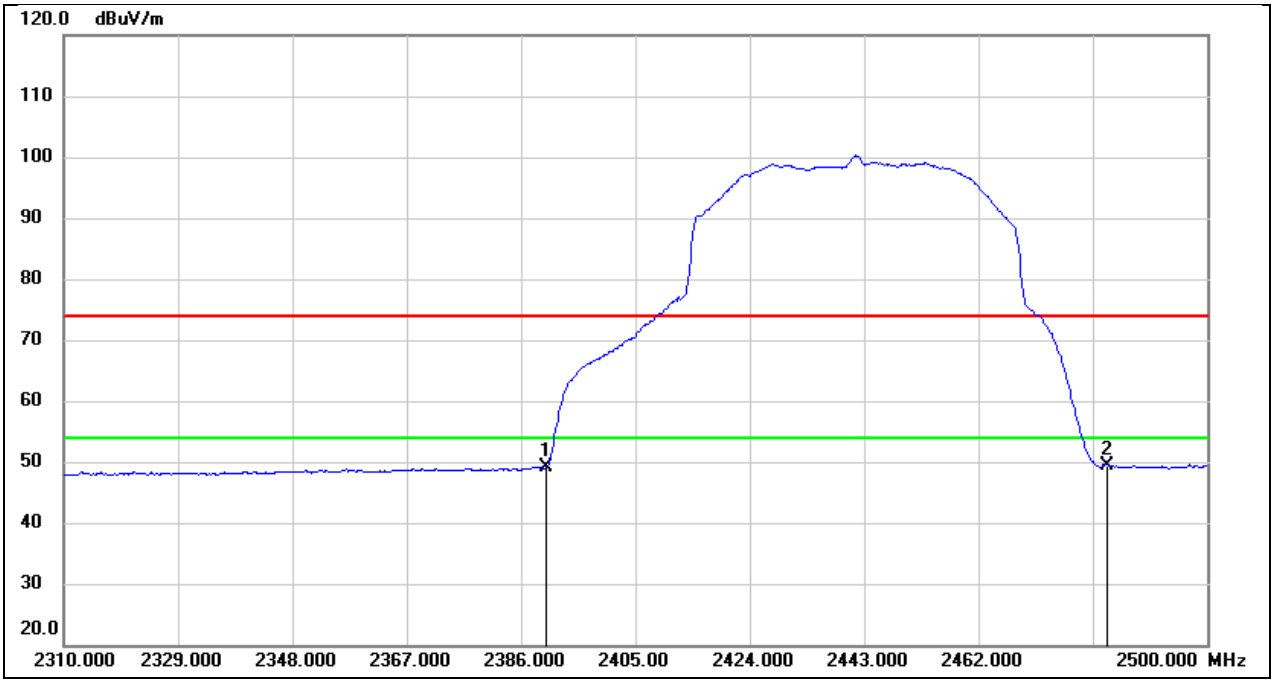
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	16.45	32.92	49.37	54.00	-4.63	AVG
2	2483.500	16.49	32.94	49.43	54.00	-4.57	AVG

Test Mode:	SRD 60MHz PK	Frequency(MHz):	2441.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



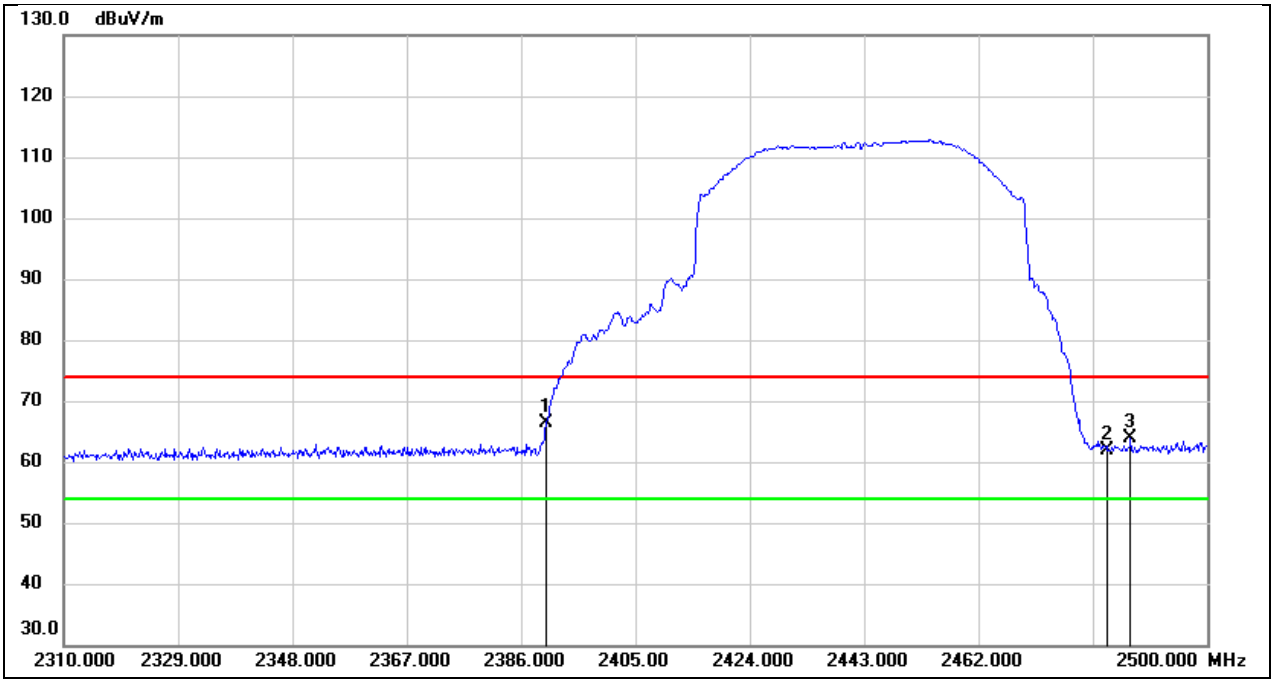
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.01	32.92	61.93	74.00	-12.07	peak
2	2483.500	29.37	32.94	62.31	74.00	-11.69	peak

Test Mode:	SRD 60MHz AV	Frequency(MHz):	2441.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



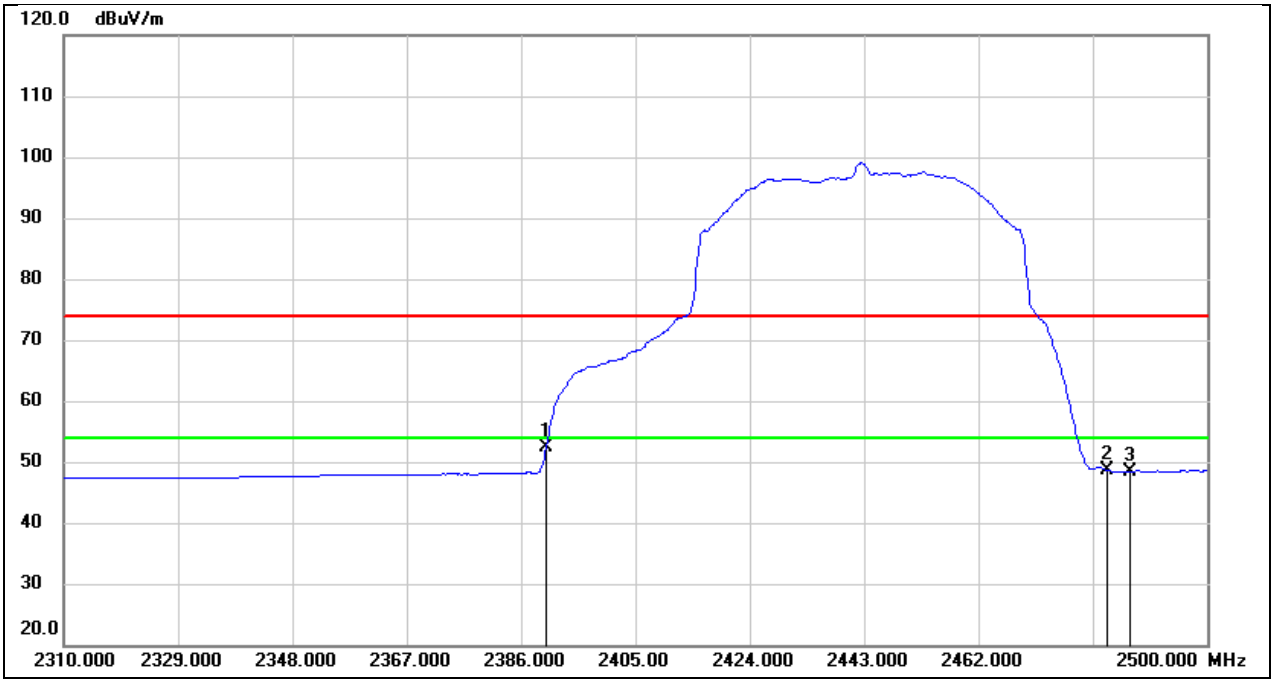
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	16.29	32.92	49.21	54.00	-4.79	AVG
2	2483.500	16.52	32.94	49.46	54.00	-4.54	AVG

Test Mode:	SRD 60MHz PK	Frequency(MHz):	2442.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	33.40	32.92	66.32	74.00	-7.68	peak
2	2483.500	28.91	32.94	61.85	74.00	-12.15	peak
3	2487.270	31.02	32.94	63.96	74.00	-10.04	peak

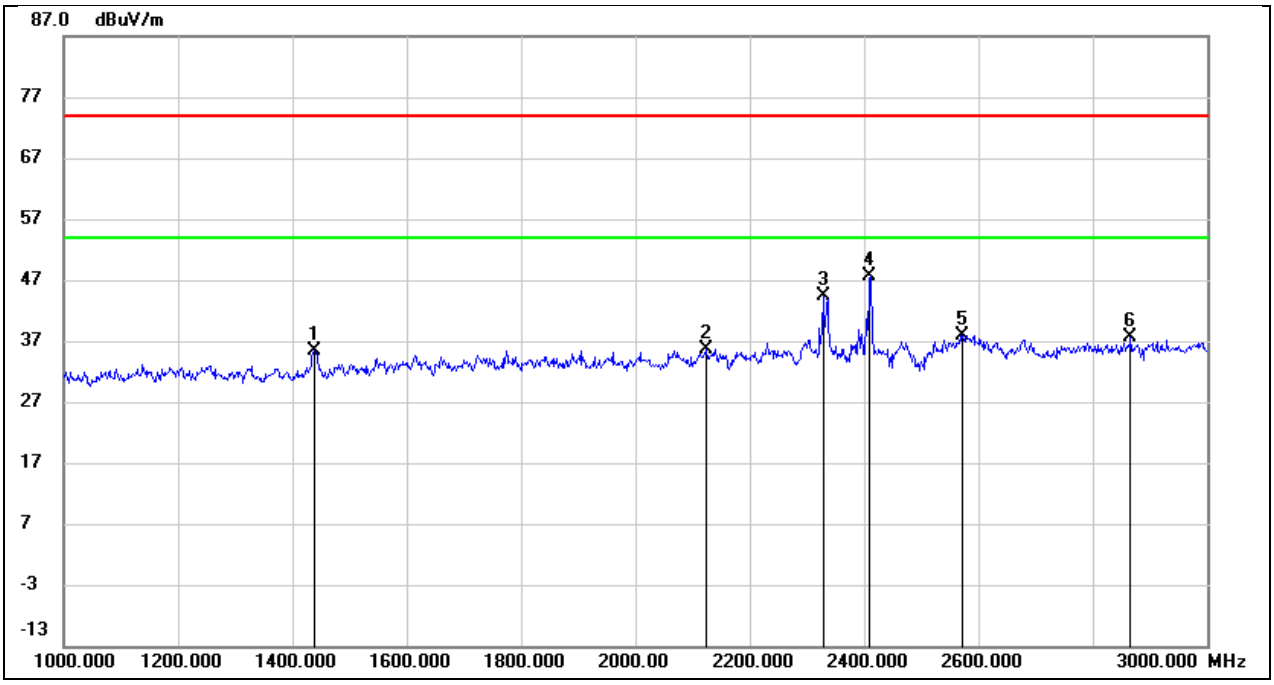
Test Mode:	SRD 60MHz AV	Frequency(MHz):	2442.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	19.54	32.92	52.46	54.00	-1.54	AVG
2	2483.500	15.61	32.94	48.55	54.00	-5.45	AVG
3	2487.270	15.49	32.94	48.43	54.00	-5.57	AVG

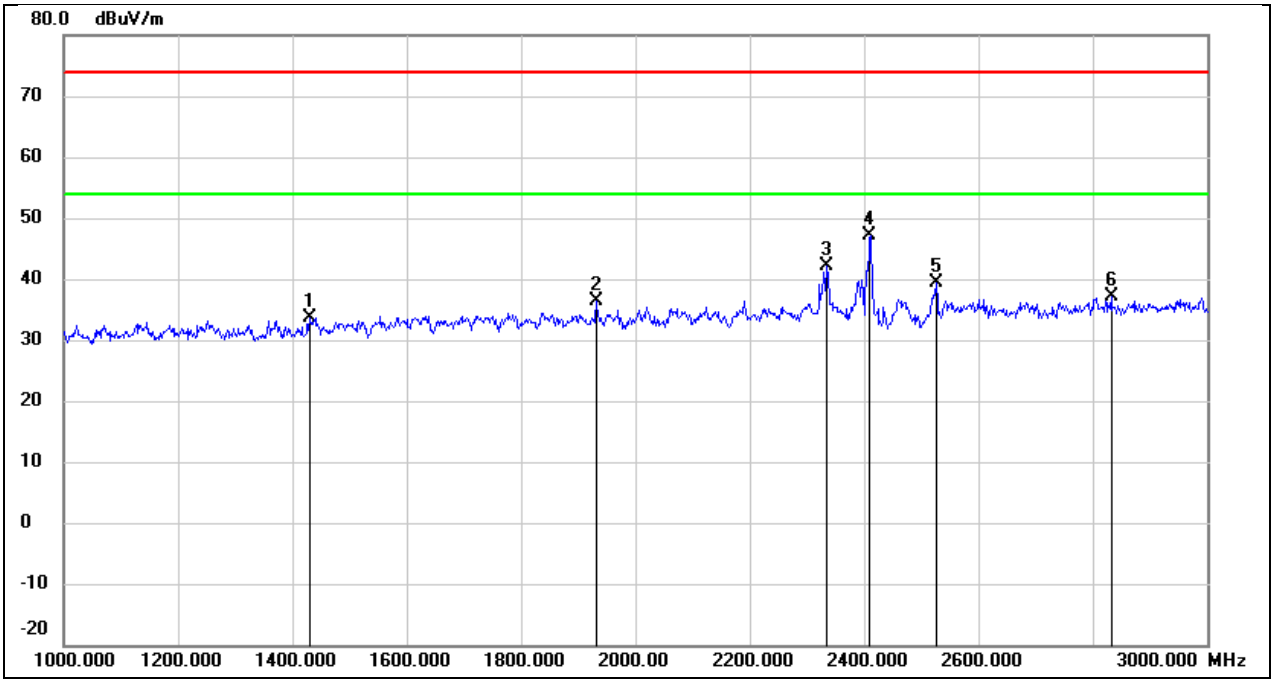
8.2. SPURIOUS EMISSIONS (1 GHZ ~ 3 GHZ)

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



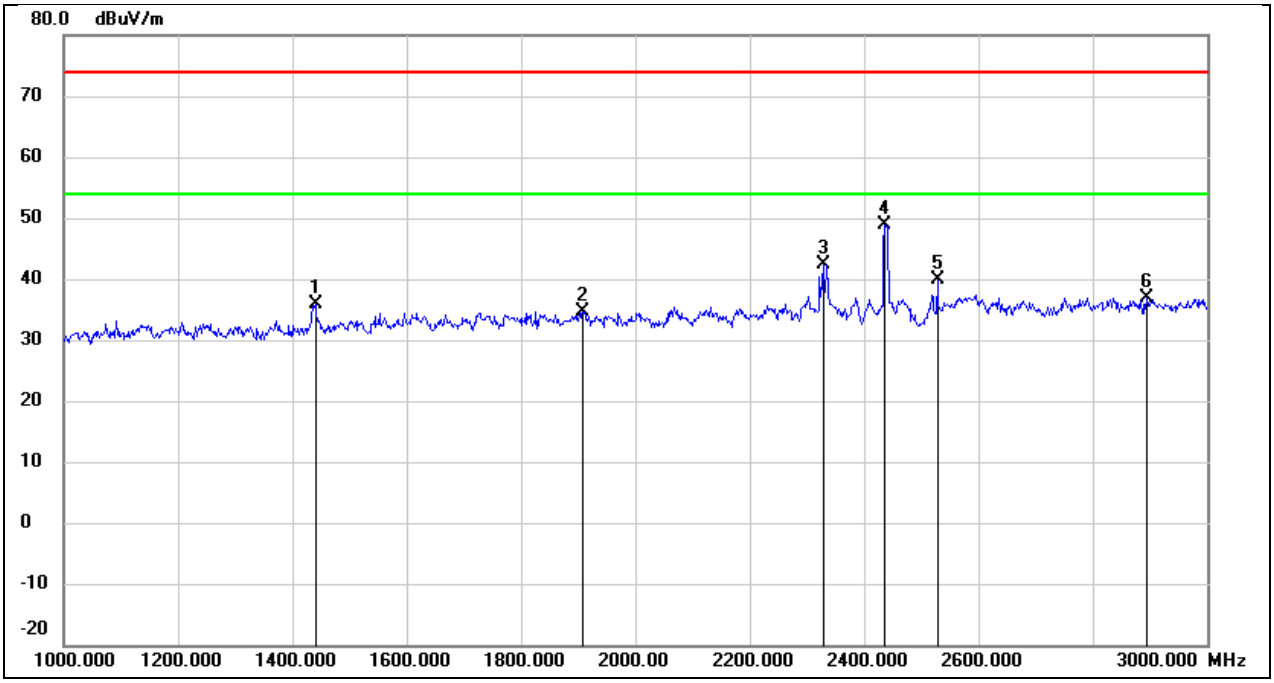
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1438.000	47.45	-12.15	35.30	74.00	-38.70	peak
2	2124.000	44.97	-9.35	35.62	74.00	-38.38	peak
3	2328.000	52.29	-7.94	44.35	74.00	-29.65	peak
4	2407.500	54.95	-7.40	47.55	/	/	Fundamental
5	2572.000	45.55	-7.63	37.92	74.00	-36.08	peak
6	2866.000	44.00	-6.49	37.51	74.00	-36.49	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



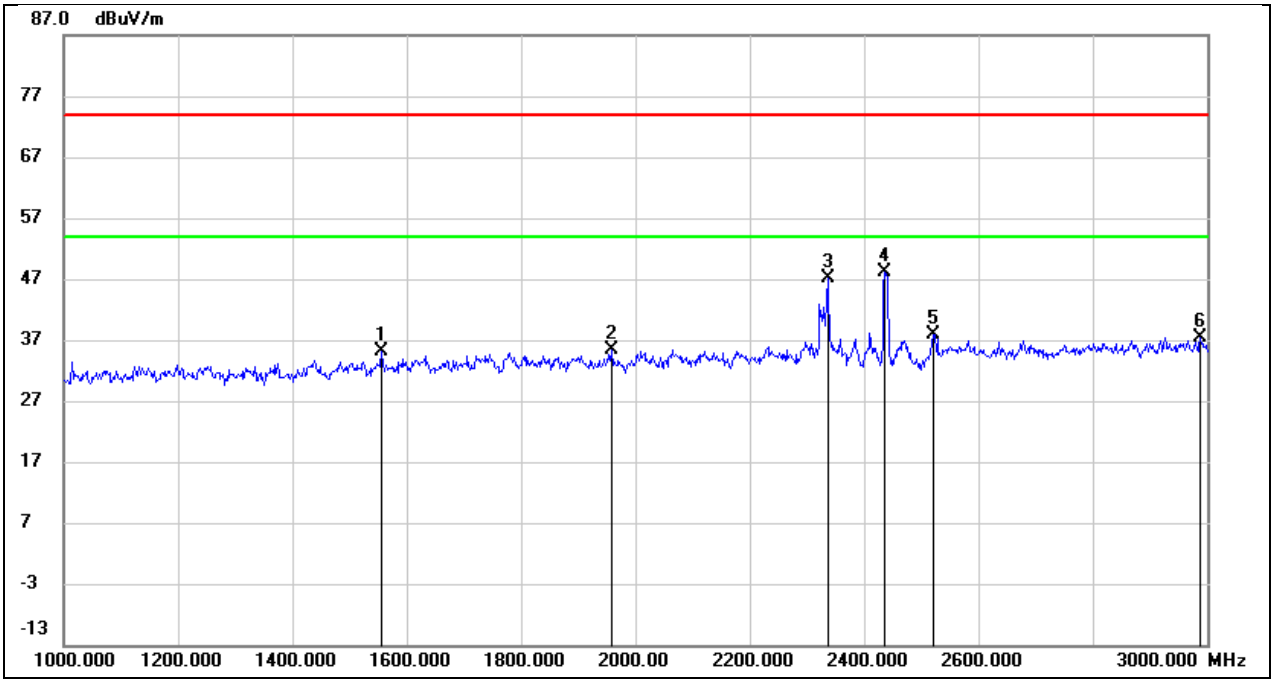
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1430.000	45.88	-12.21	33.67	74.00	-40.33	peak
2	1932.000	46.46	-10.15	36.31	74.00	-37.69	peak
3	2334.000	49.91	-7.89	42.02	74.00	-31.98	peak
4	2407.500	54.48	-7.40	47.08	/	/	Fundamental
5	2526.000	46.84	-7.54	39.30	74.00	-34.70	peak
6	2832.000	43.69	-6.65	37.04	74.00	-36.96	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



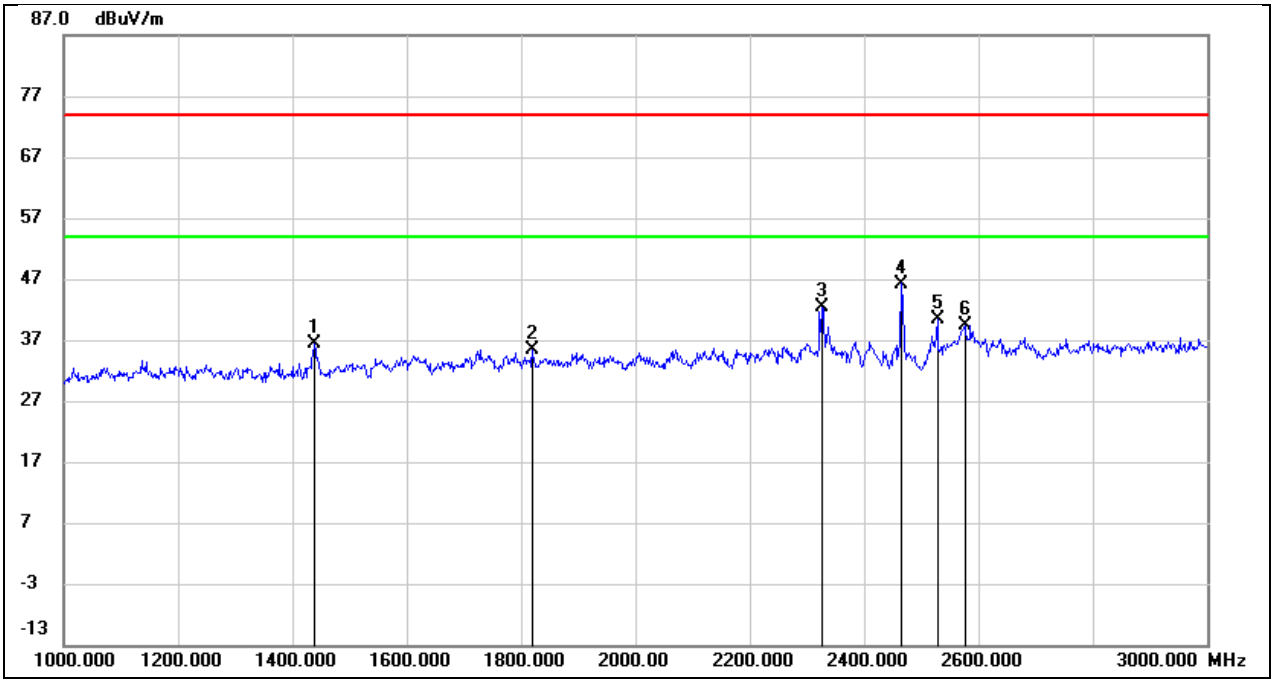
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1440.000	47.93	-12.14	35.79	74.00	-38.21	peak
2	1908.000	44.90	-10.17	34.73	74.00	-39.27	peak
3	2328.000	50.24	-7.94	42.30	74.00	-31.70	peak
4	2437.500	56.24	-7.43	48.81	/	/	Fundamental
5	2528.000	47.44	-7.55	39.89	74.00	-34.11	peak
6	2894.000	43.20	-6.37	36.83	74.00	-37.17	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



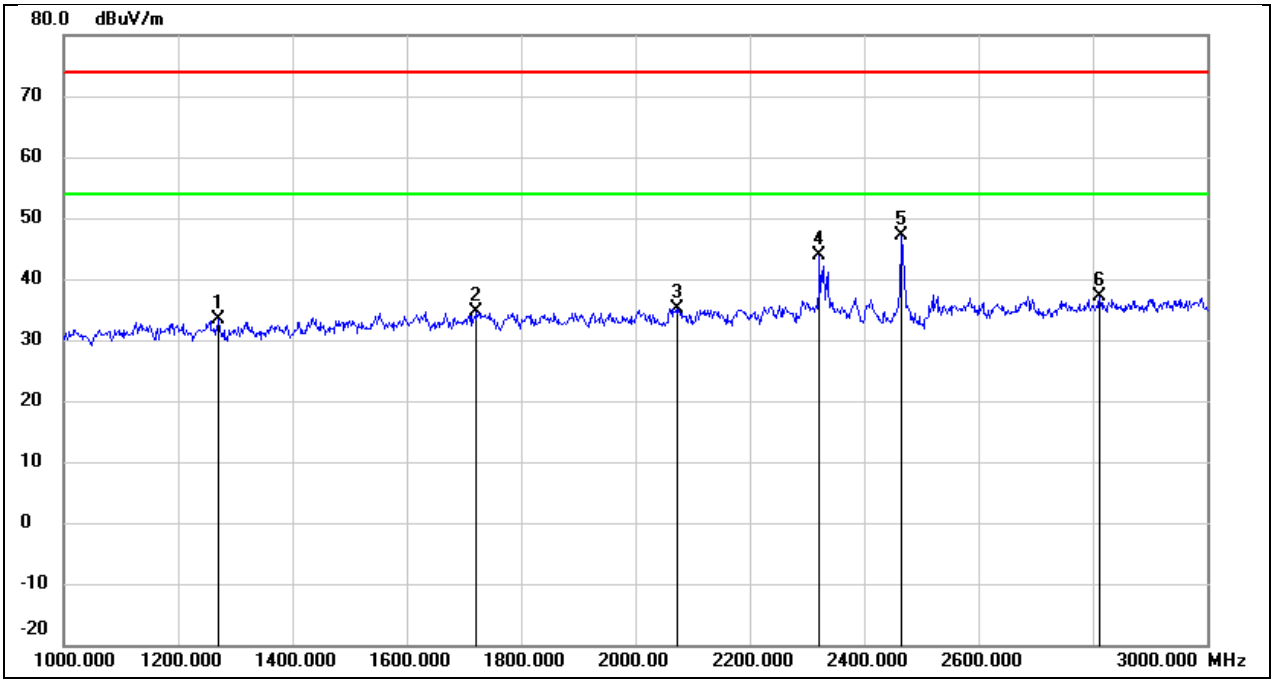
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1556.000	46.50	-11.43	35.07	74.00	-38.93	peak
2	1958.000	45.55	-10.14	35.41	74.00	-38.59	peak
3	2336.000	54.93	-7.87	47.06	74.00	-26.94	peak
4	2437.500	55.53	-7.43	48.10	/	/	Fundamental
5	2522.000	45.42	-7.53	37.89	74.00	-36.11	peak
6	2988.000	43.42	-5.94	37.48	74.00	-36.52	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1438.000	48.62	-12.15	36.47	74.00	-37.53	peak
2	1820.000	45.60	-10.23	35.37	74.00	-38.63	peak
3	2326.000	50.34	-7.94	42.40	74.00	-31.60	peak
4	2467.500	53.72	-7.47	46.25	/	/	Fundamental
5	2528.000	47.87	-7.55	40.32	74.00	-33.68	peak
6	2576.000	47.06	-7.64	39.42	74.00	-34.58	peak

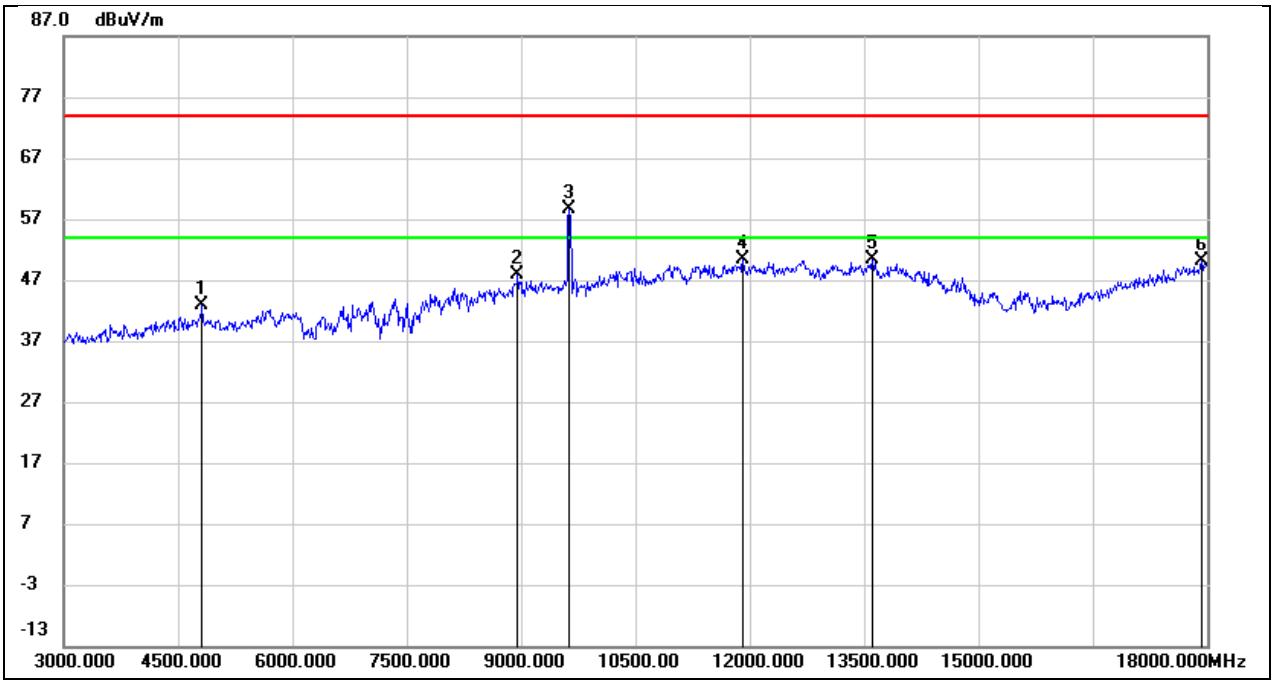
Test Mode:	SRD 10MHz	Frequency(MHz):	2467.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1270.000	45.87	-12.56	33.31	74.00	-40.69	peak
2	1722.000	45.28	-10.61	34.67	74.00	-39.33	peak
3	2072.000	44.89	-9.66	35.23	74.00	-38.77	peak
4	2322.000	51.95	-7.97	43.98	74.00	-30.02	peak
5	2467.500	54.60	-7.46	47.14	/	/	Fundamental
6	2812.000	43.94	-6.75	37.19	74.00	-36.81	peak

8.3. SPURIOUS EMISSIONS (3 GHZ ~ 18 GHZ)

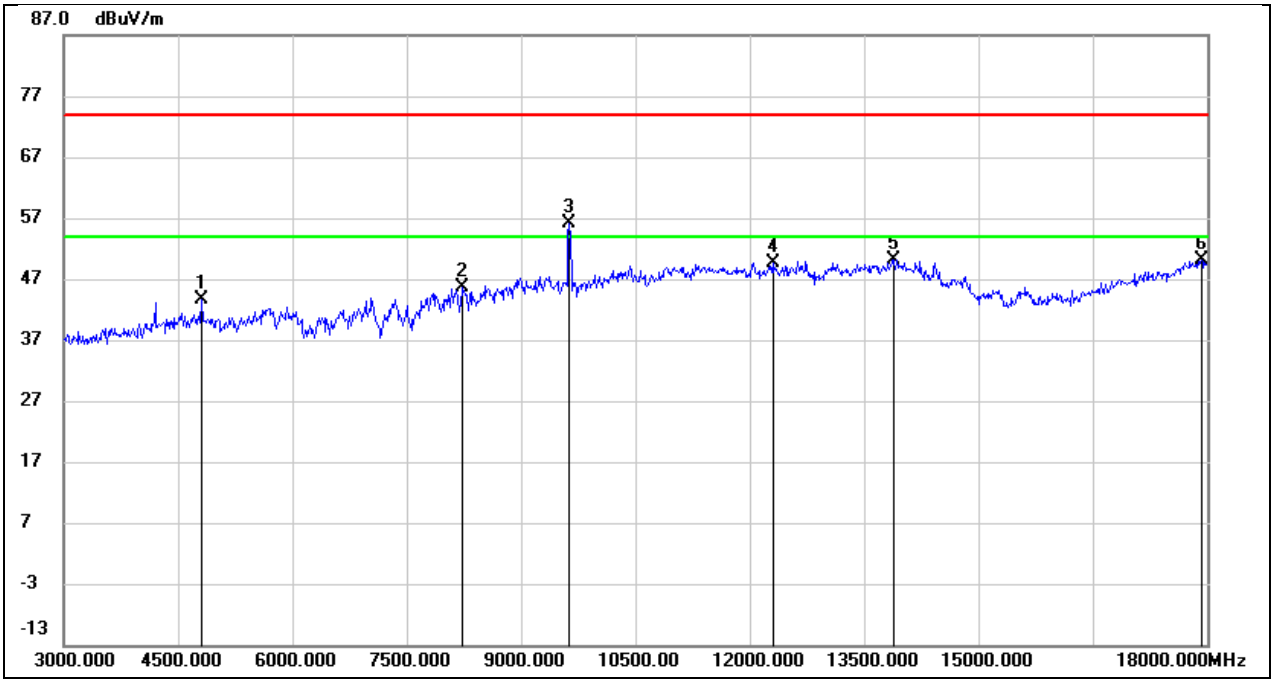
Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	42.36	0.49	42.85	74.00	-31.15	peak
2	8955.000	37.26	10.56	47.82	74.00	-26.18	peak
3	*9630.000	47.40	11.13	58.53	74.00	-15.47	peak
4	11910.000	32.24	18.11	50.35	74.00	-23.65	peak
5	13605.000	28.66	21.68	50.34	74.00	-23.66	peak
6	17925.000	23.55	26.55	50.10	74.00	-23.90	peak

*Mark 3 does not fall in the restricted bands of FCC §15.205 (a), no limit for radiated emission, please refer to clause 7.4 for the conducted emission.

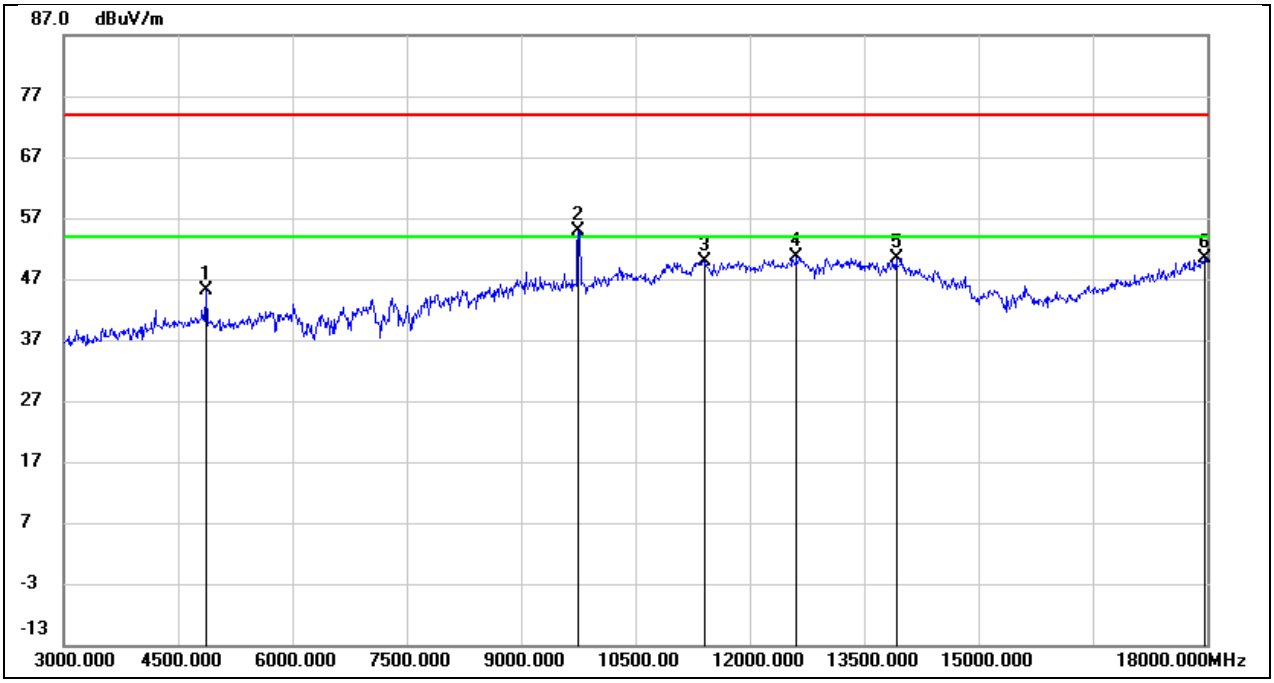
Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	43.19	0.49	43.68	74.00	-30.32	peak
2	8235.000	37.04	8.70	45.74	74.00	-28.26	peak
3	9630.000	44.99	11.13	56.12	74.00	-17.88	peak
4	12300.000	31.03	18.65	49.68	74.00	-24.32	peak
5	13890.000	27.49	22.69	50.18	74.00	-23.82	peak
6	17925.000	23.56	26.55	50.11	74.00	-23.89	peak

*Mark 3 does not fall in the restricted bands of FCC §15.205 (a), no limit for radiated emission, please refer to clause 7.4 for the conducted emission.

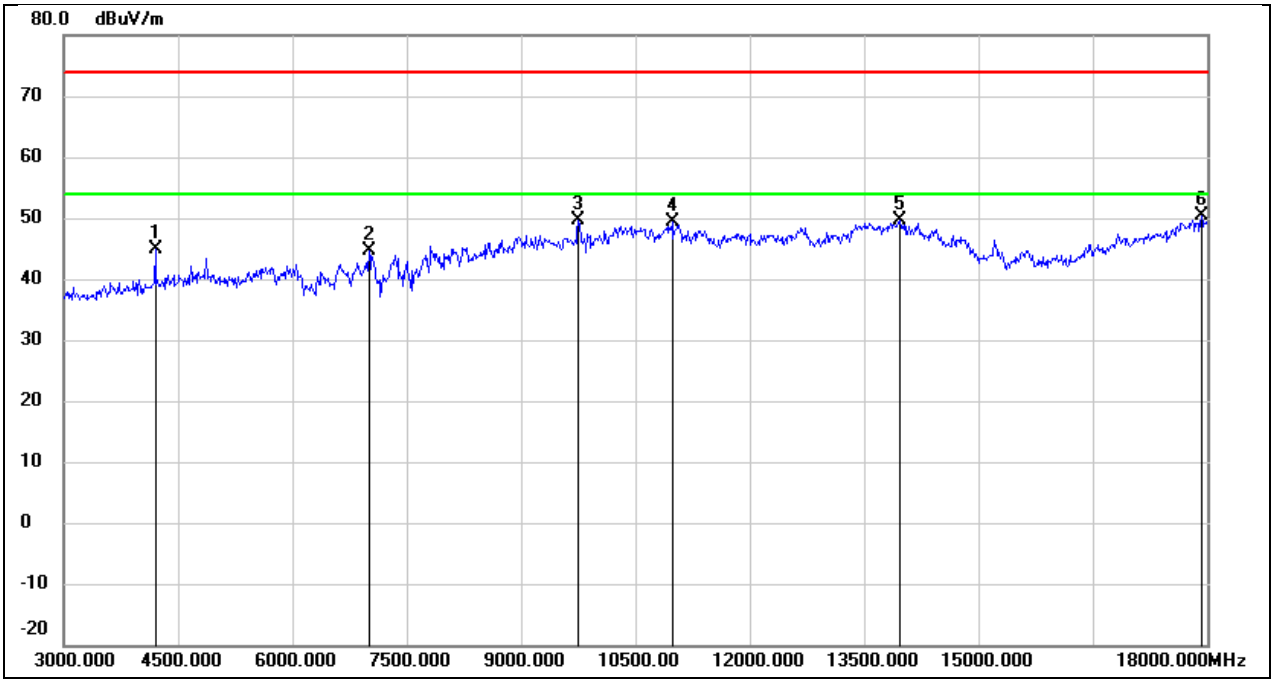
Test Mode:	SRD 10MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	44.53	0.61	45.14	74.00	-28.86	peak
2	9750.000	43.36	11.40	54.76	74.00	-19.24	peak
3	11400.000	33.39	16.54	49.93	74.00	-24.07	peak
4	12615.000	32.27	18.33	50.60	74.00	-23.40	peak
5	13920.000	27.62	22.71	50.33	74.00	-23.67	peak
6	17970.000	23.62	26.72	50.34	74.00	-23.66	peak

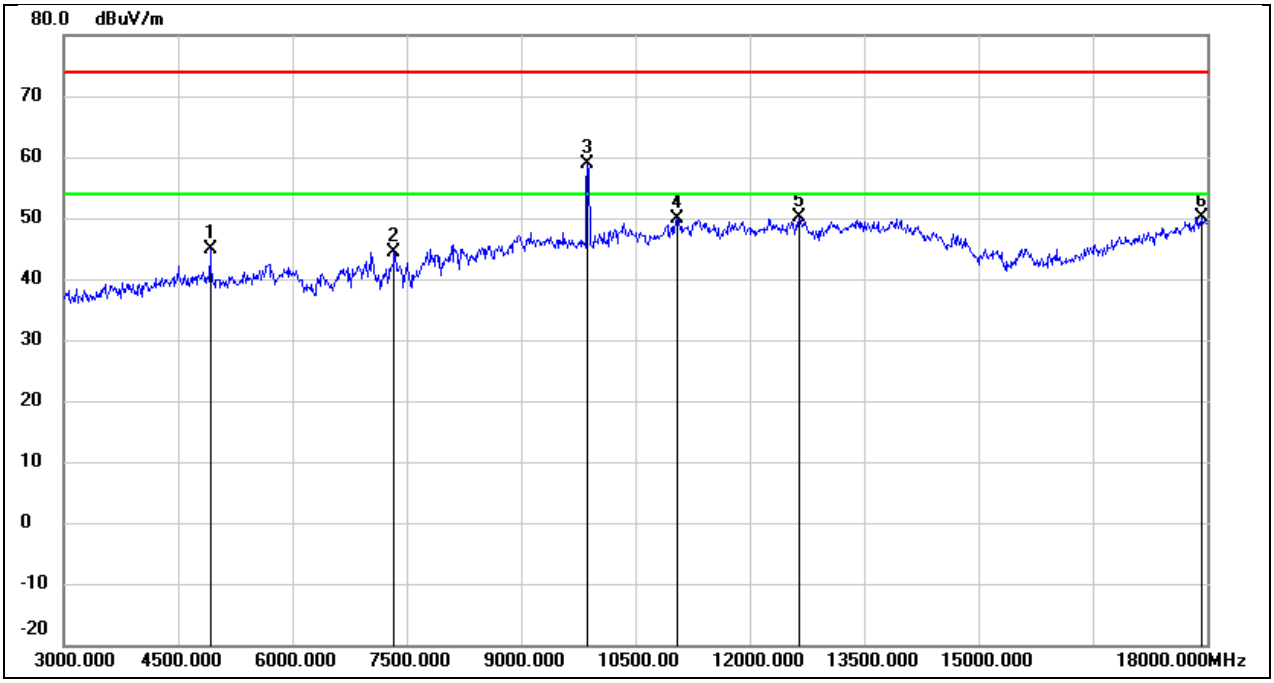
*Mark 2 does not fall in the restricted bands of FCC §15.205 (a), no limit for radiated emission, please refer to clause 7.4 for the conducted emission.

Test Mode:	SRD 10MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	46.57	-1.57	45.00	74.00	-29.00	peak
2	7005.000	37.05	7.47	44.52	74.00	-29.48	peak
3	9750.000	38.29	11.40	49.69	74.00	-24.31	peak
4	10980.000	34.66	14.82	49.48	74.00	-24.52	peak
5	13965.000	26.81	22.74	49.55	74.00	-24.45	peak
6	17925.000	23.84	26.55	50.39	74.00	-23.61	peak

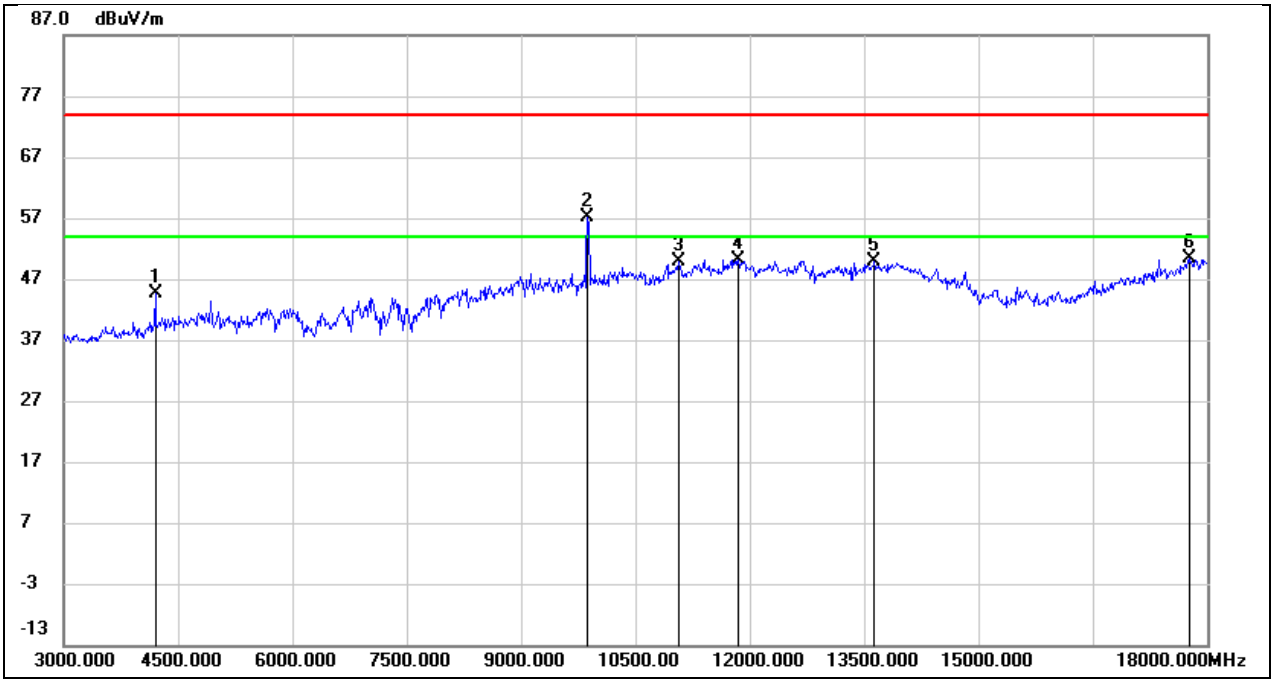
Test Mode:	SRD 10MHz	Frequency(MHz):	2467.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	44.30	0.69	44.99	74.00	-29.01	peak
2	7335.000	37.42	7.07	44.49	74.00	-29.51	peak
3	9870.000	47.04	11.86	58.90	74.00	-15.10	peak
4	11055.000	34.77	15.04	49.81	74.00	-24.19	peak
5	12645.000	31.66	18.44	50.10	74.00	-23.90	peak
6	17925.000	23.63	26.55	50.18	74.00	-23.82	peak

*Mark 3 does not fall in the restricted bands of FCC §15.205 (a), no limit for radiated emission, please refer to clause 7.4 for the conducted emission.

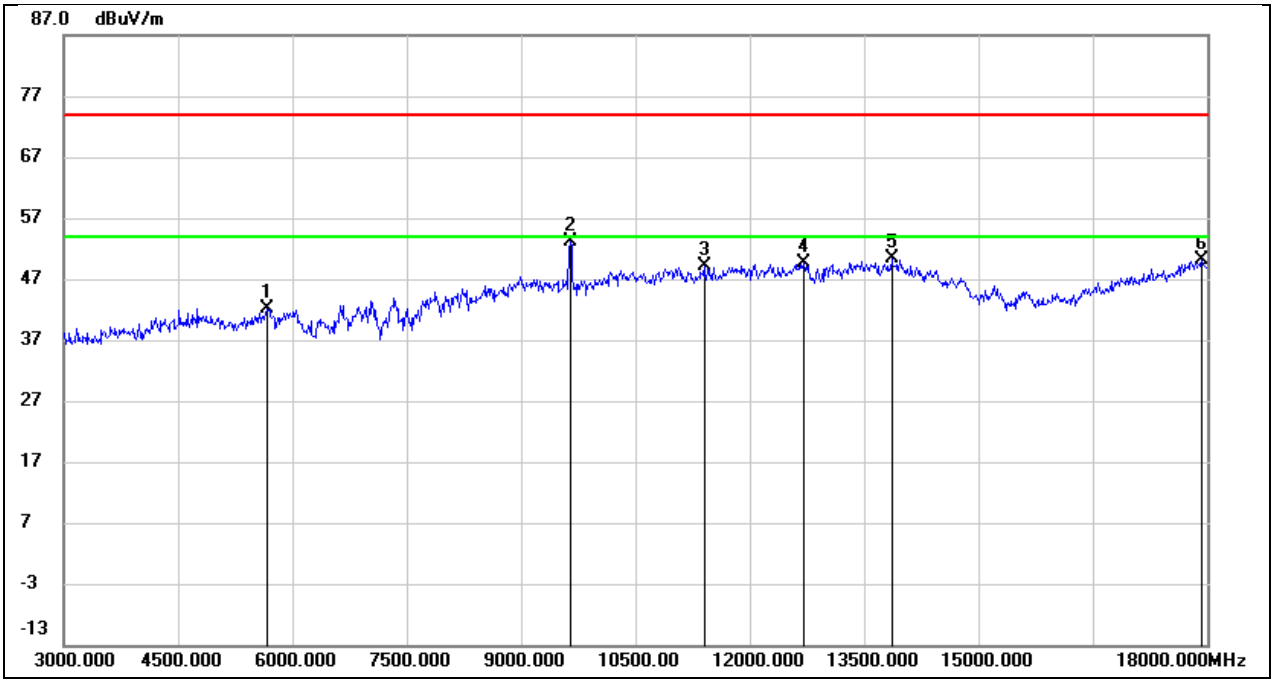
Test Mode:	SRD 10MHz	Frequency(MHz):	2467.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	46.20	-1.57	44.63	74.00	-29.37	peak
2	9870.000	45.26	11.86	57.12	74.00	-16.88	peak
3	11070.000	34.72	15.08	49.80	74.00	-24.20	peak
4	11850.000	32.38	17.84	50.22	74.00	-23.78	peak
5	13635.000	28.09	21.83	49.92	74.00	-24.08	peak
6	17760.000	24.72	25.72	50.44	74.00	-23.56	peak

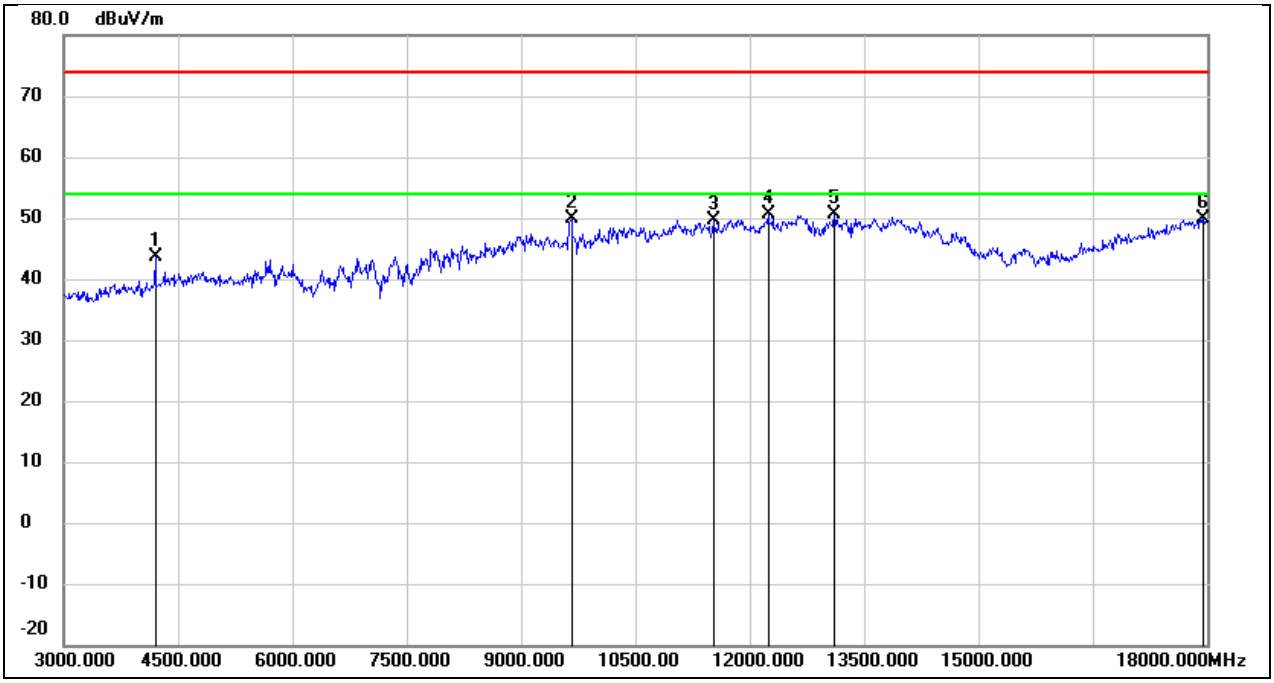
*Mark 2 does not fall in the restricted bands of FCC §15.205 (a), no limit for radiated emission, please refer to clause 7.4 for the conducted emission.

Test Mode:	SRD 20MHz	Frequency(MHz):	2412.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



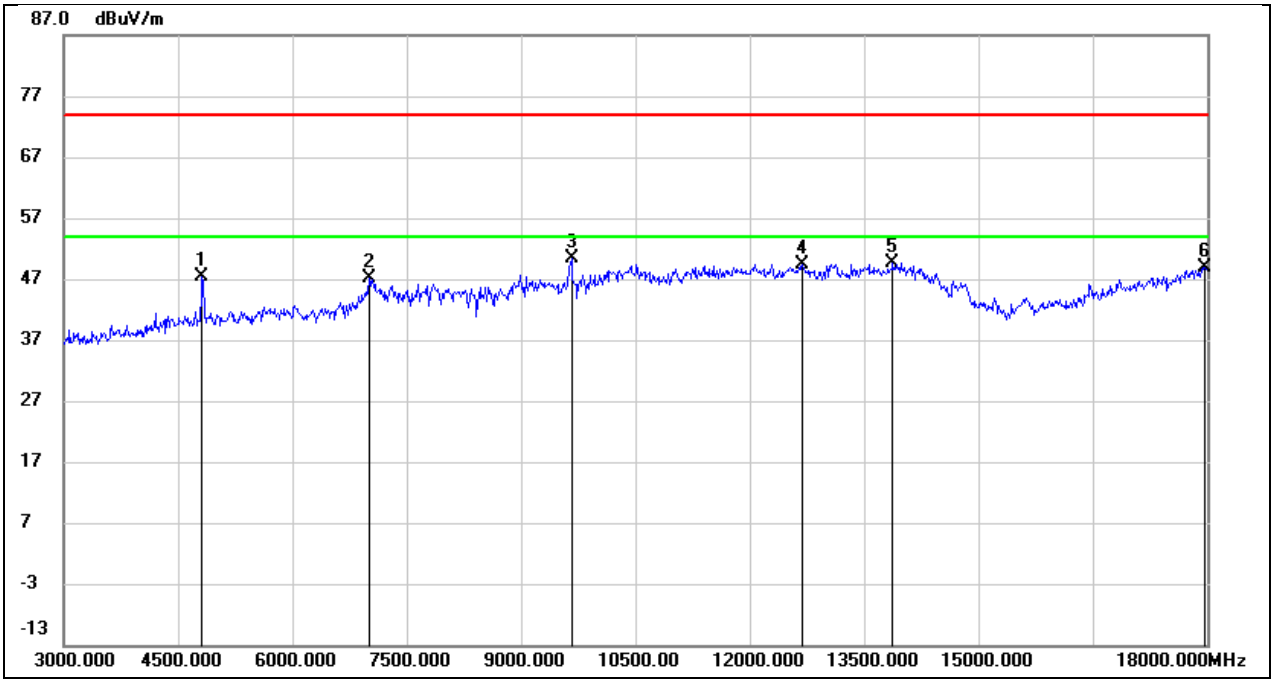
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5670.000	39.57	2.62	42.19	74.00	-31.81	peak
2	9645.000	42.04	11.17	53.21	74.00	-20.79	peak
3	11400.000	32.50	16.54	49.04	74.00	-24.96	peak
4	12705.000	31.02	18.66	49.68	74.00	-24.32	peak
5	13860.000	27.69	22.68	50.37	74.00	-23.63	peak
6	17925.000	23.52	26.55	50.07	74.00	-23.93	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2412.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



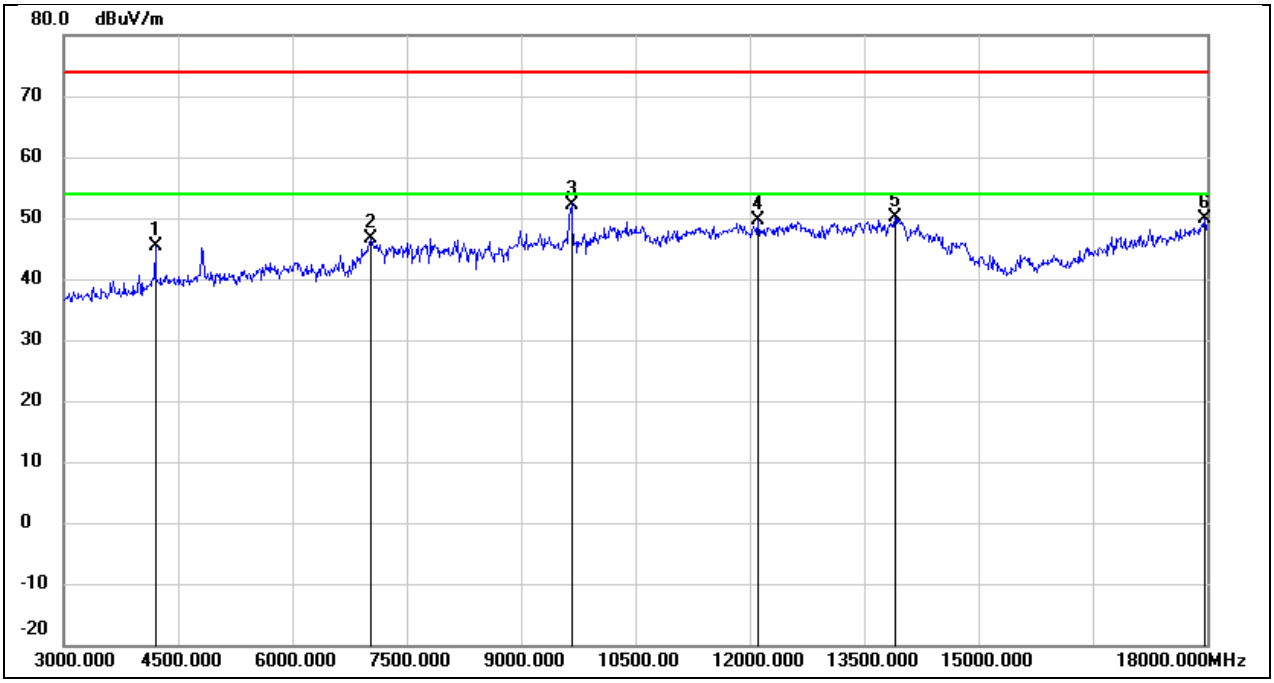
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	45.15	-1.57	43.58	74.00	-30.42	peak
2	9660.000	38.75	11.19	49.94	74.00	-24.06	peak
3	11520.000	32.72	16.91	49.63	74.00	-24.37	peak
4	12240.000	32.08	18.46	50.54	74.00	-23.46	peak
5	13110.000	30.89	19.64	50.53	74.00	-23.47	peak
6	17940.000	23.35	26.61	49.96	74.00	-24.04	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2413.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



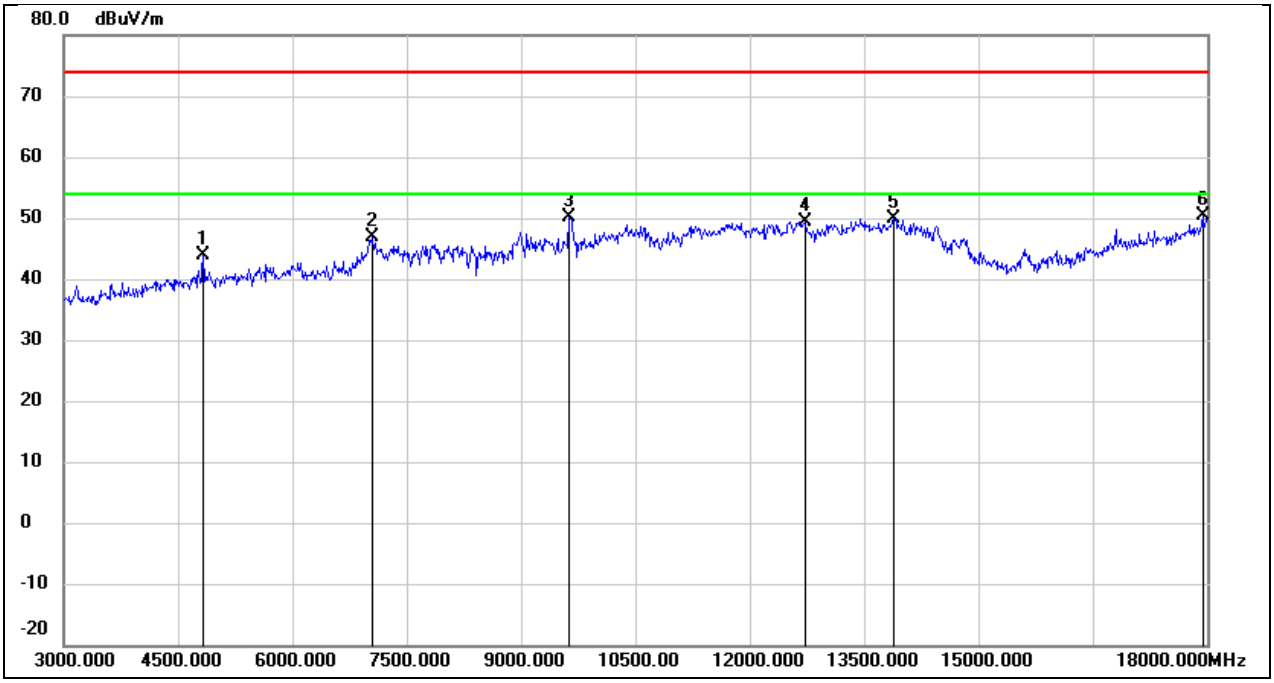
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	46.98	0.49	47.47	74.00	-26.53	peak
2	7005.000	39.66	7.47	47.13	74.00	-26.87	peak
3	9660.000	39.26	11.19	50.45	74.00	-23.55	peak
4	12690.000	30.86	18.60	49.46	74.00	-24.54	peak
5	13875.000	26.86	22.68	49.54	74.00	-24.46	peak
6	17970.000	22.27	26.72	48.99	74.00	-25.01	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2413.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



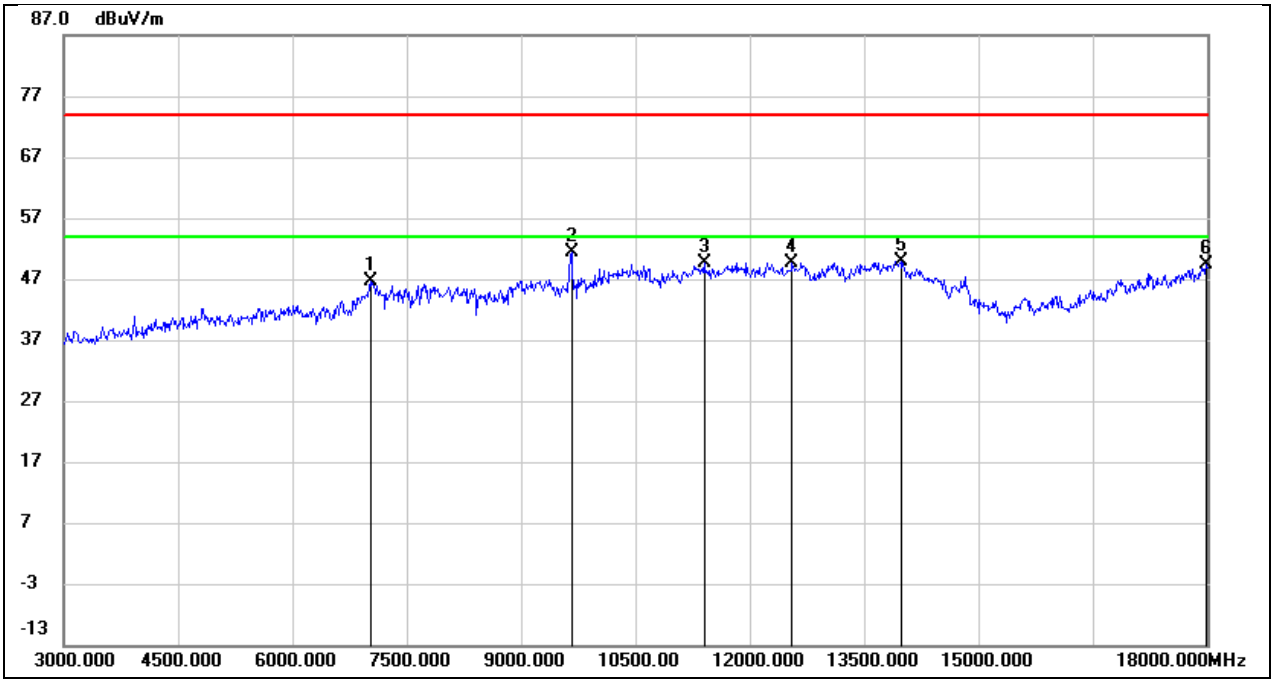
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	47.01	-1.57	45.44	74.00	-28.56	peak
2	7035.000	39.29	7.28	46.57	74.00	-27.43	peak
3	9660.000	41.06	11.19	52.25	74.00	-21.75	peak
4	12105.000	31.12	18.41	49.53	74.00	-24.47	peak
5	13905.000	27.40	22.70	50.10	74.00	-23.90	peak
6	17970.000	23.23	26.72	49.95	74.00	-24.05	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2414.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



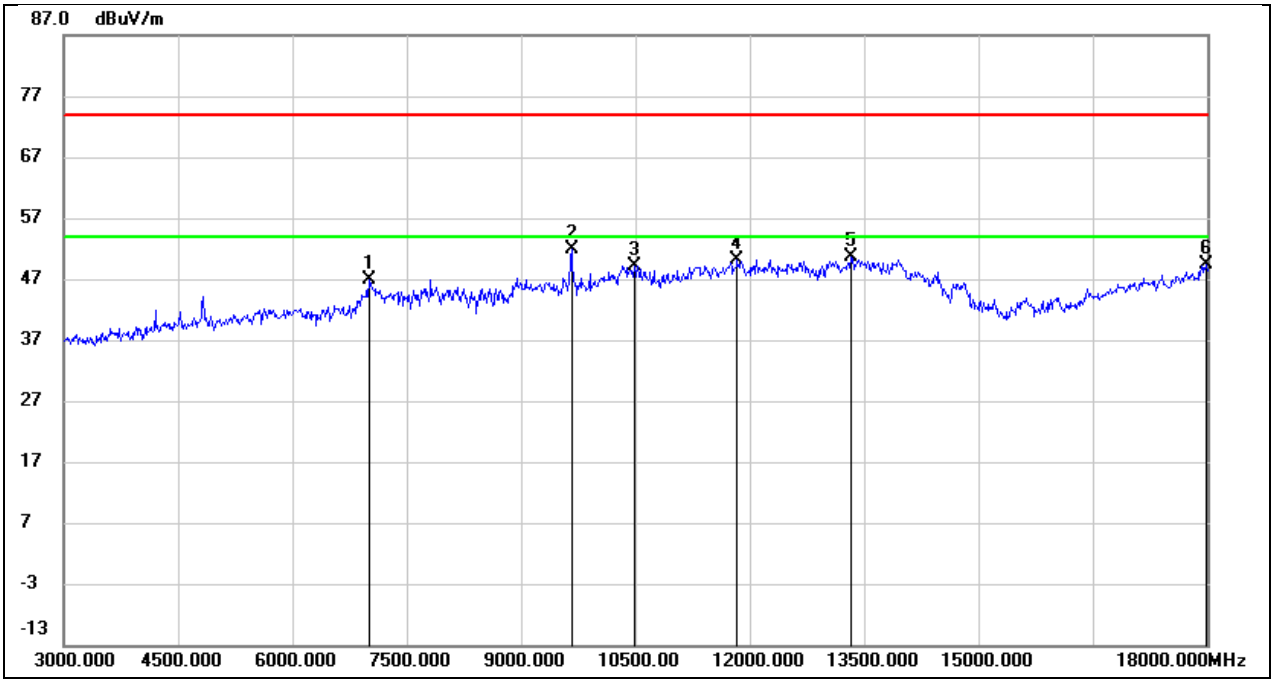
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4830.000	43.40	0.51	43.91	74.00	-30.09	peak
2	7050.000	39.64	7.19	46.83	74.00	-27.17	peak
3	9630.000	38.99	11.13	50.12	74.00	-23.88	peak
4	12720.000	30.79	18.71	49.50	74.00	-24.50	peak
5	13890.000	27.18	22.69	49.87	74.00	-24.13	peak
6	17940.000	23.80	26.61	50.41	74.00	-23.59	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2414.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



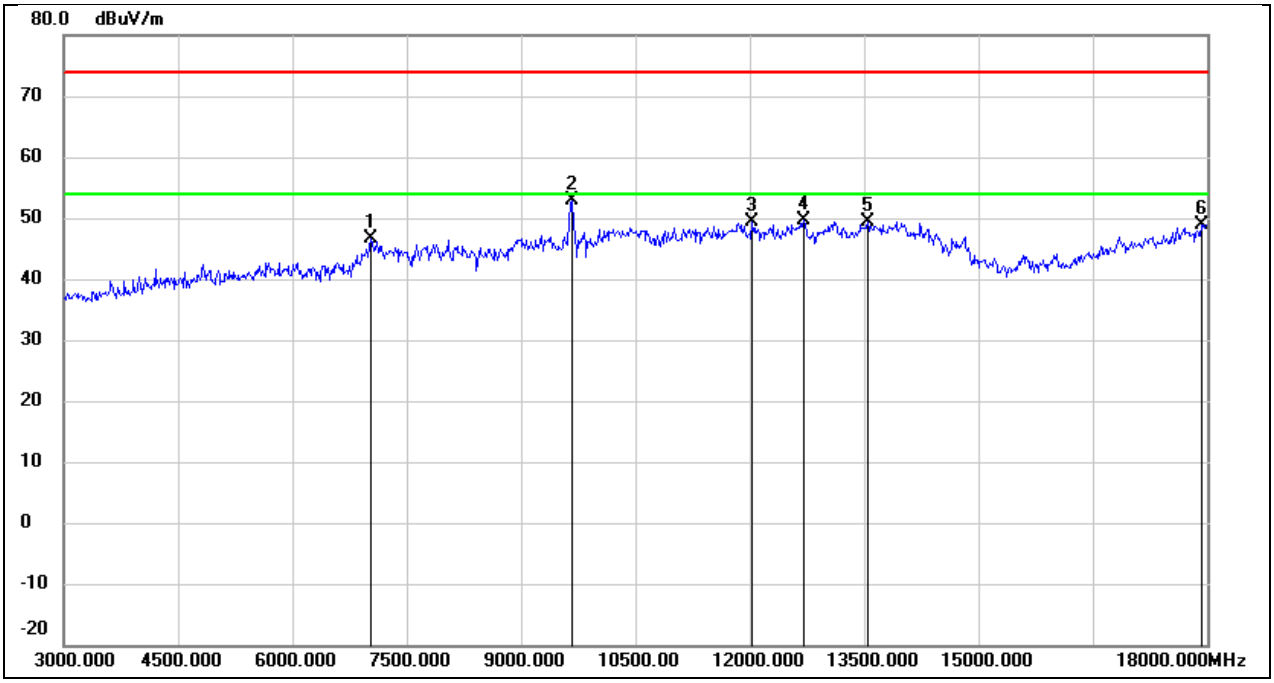
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7020.000	39.27	7.37	46.64	74.00	-27.36	peak
2	9660.000	40.24	11.19	51.43	74.00	-22.57	peak
3	11400.000	33.07	16.54	49.61	74.00	-24.39	peak
4	12555.000	31.31	18.39	49.70	74.00	-24.30	peak
5	13980.000	27.14	22.75	49.89	74.00	-24.11	peak
6	17985.000	22.51	26.77	49.28	74.00	-24.72	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2415.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



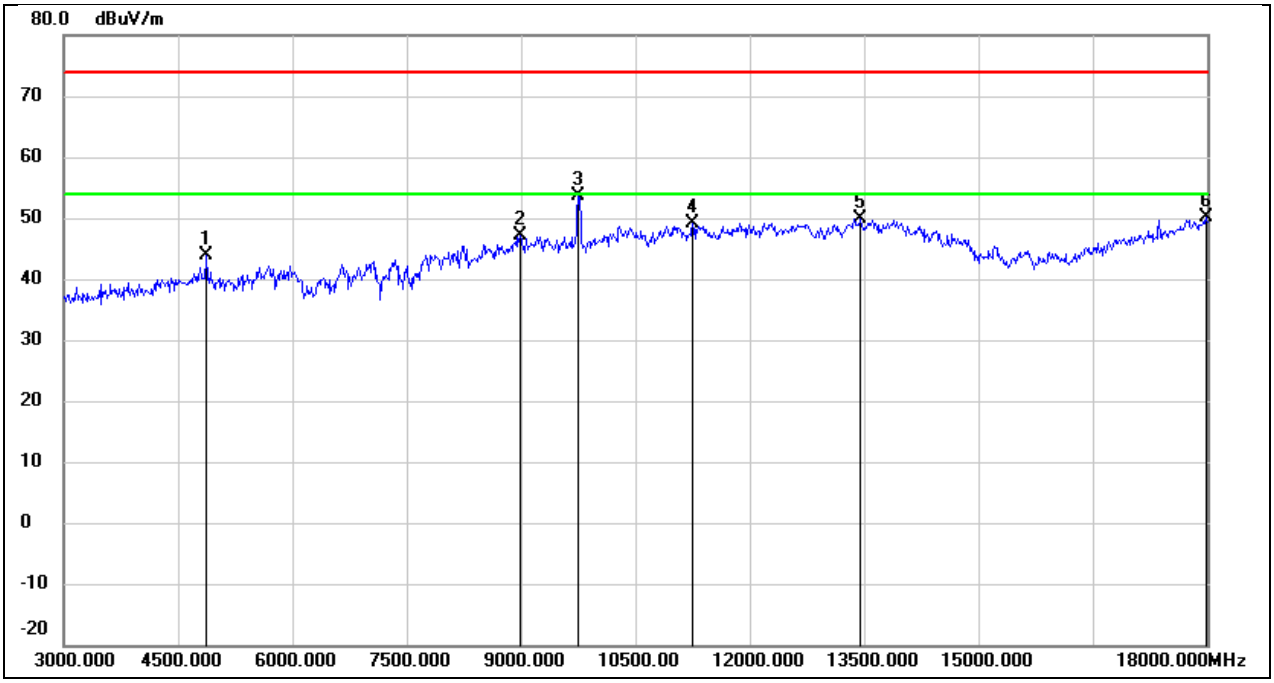
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7005.000	39.29	7.47	46.76	74.00	-27.24	peak
2	9660.000	40.60	11.19	51.79	74.00	-22.21	peak
3	10485.000	35.54	13.66	49.20	74.00	-24.80	peak
4	11835.000	32.31	17.79	50.10	74.00	-23.90	peak
5	13320.000	29.79	20.91	50.70	74.00	-23.30	peak
6	17985.000	22.57	26.77	49.34	74.00	-24.66	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2415.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



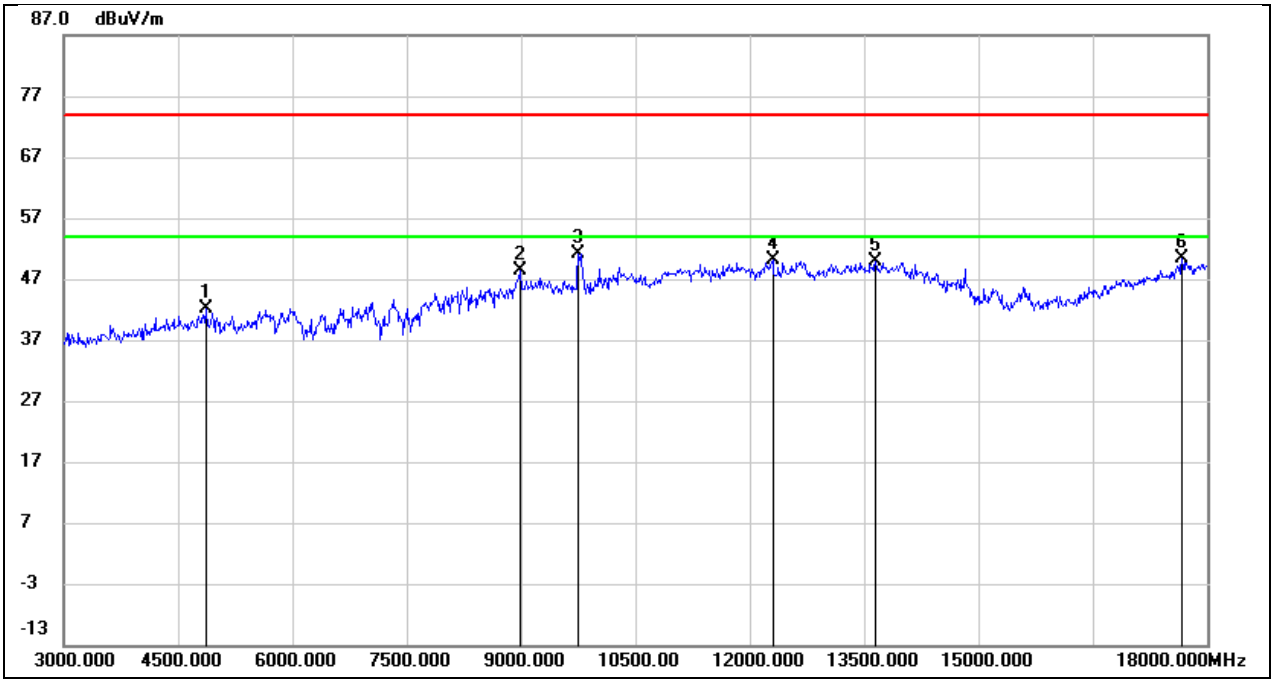
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7020.000	39.25	7.37	46.62	74.00	-27.38	peak
2	9660.000	41.80	11.19	52.99	74.00	-21.01	peak
3	12030.000	30.89	18.47	49.36	74.00	-24.64	peak
4	12705.000	30.88	18.66	49.54	74.00	-24.46	peak
5	13545.000	27.64	21.68	49.32	74.00	-24.68	peak
6	17925.000	22.44	26.55	48.99	74.00	-25.01	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



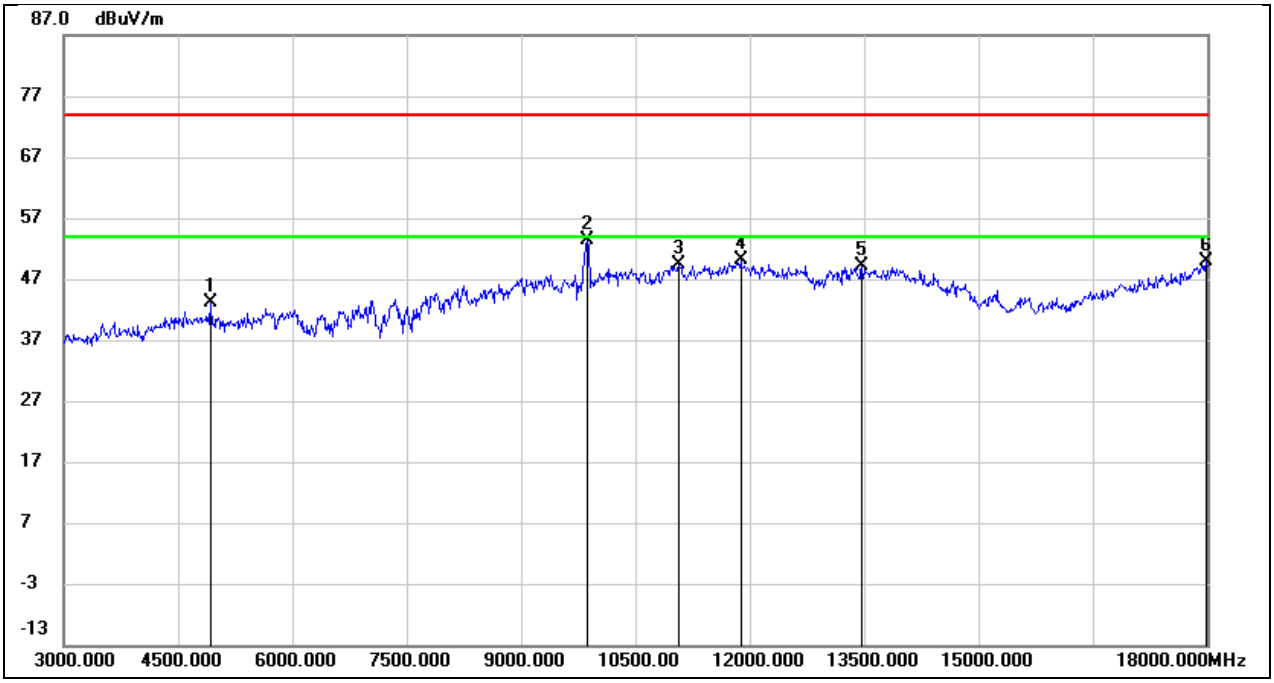
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	43.17	0.61	43.78	74.00	-30.22	peak
2	8985.000	36.13	10.97	47.10	74.00	-26.90	peak
3	9750.000	42.17	11.40	53.57	74.00	-20.43	peak
4	11250.000	33.54	15.67	49.21	74.00	-24.79	peak
5	13455.000	28.42	21.58	50.00	74.00	-24.00	peak
6	17985.000	23.36	26.77	50.13	74.00	-23.87	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



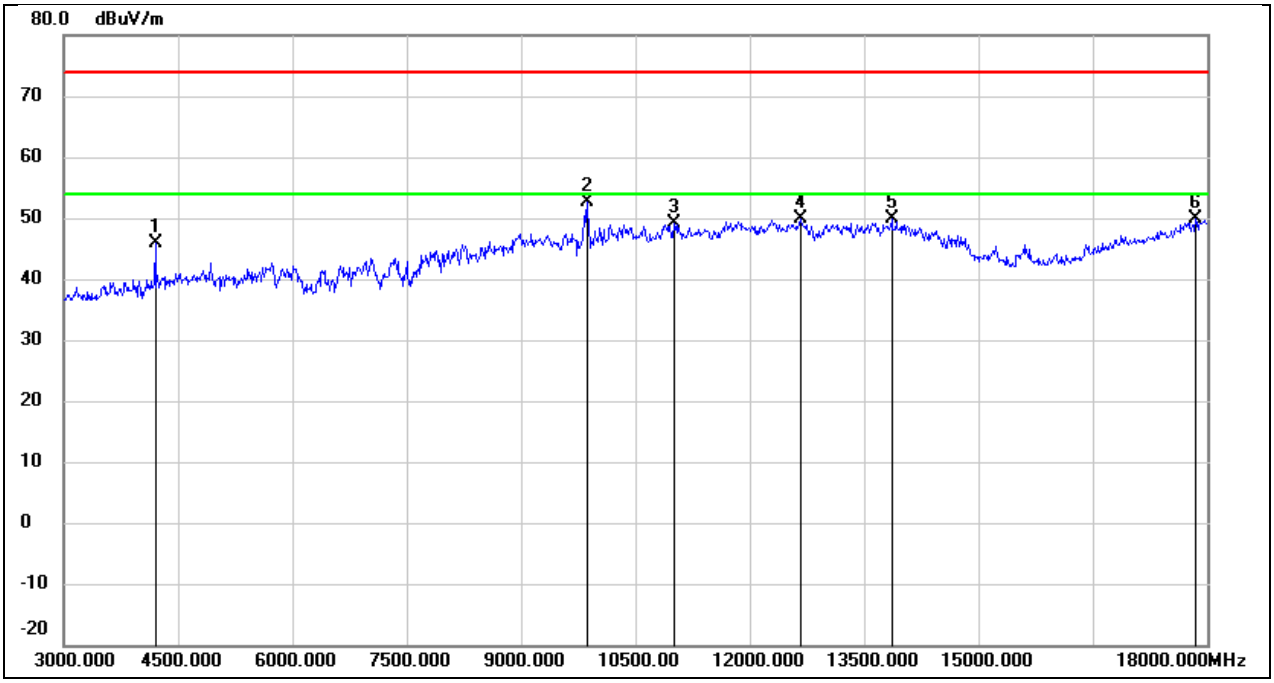
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	41.59	0.57	42.16	74.00	-31.84	peak
2	8985.000	37.41	10.97	48.38	74.00	-25.62	peak
3	9750.000	39.81	11.40	51.21	74.00	-22.79	peak
4	12300.000	31.57	18.65	50.22	74.00	-23.78	peak
5	13650.000	27.96	21.90	49.86	74.00	-24.14	peak
6	17670.000	25.47	24.89	50.36	74.00	-23.64	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2462.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



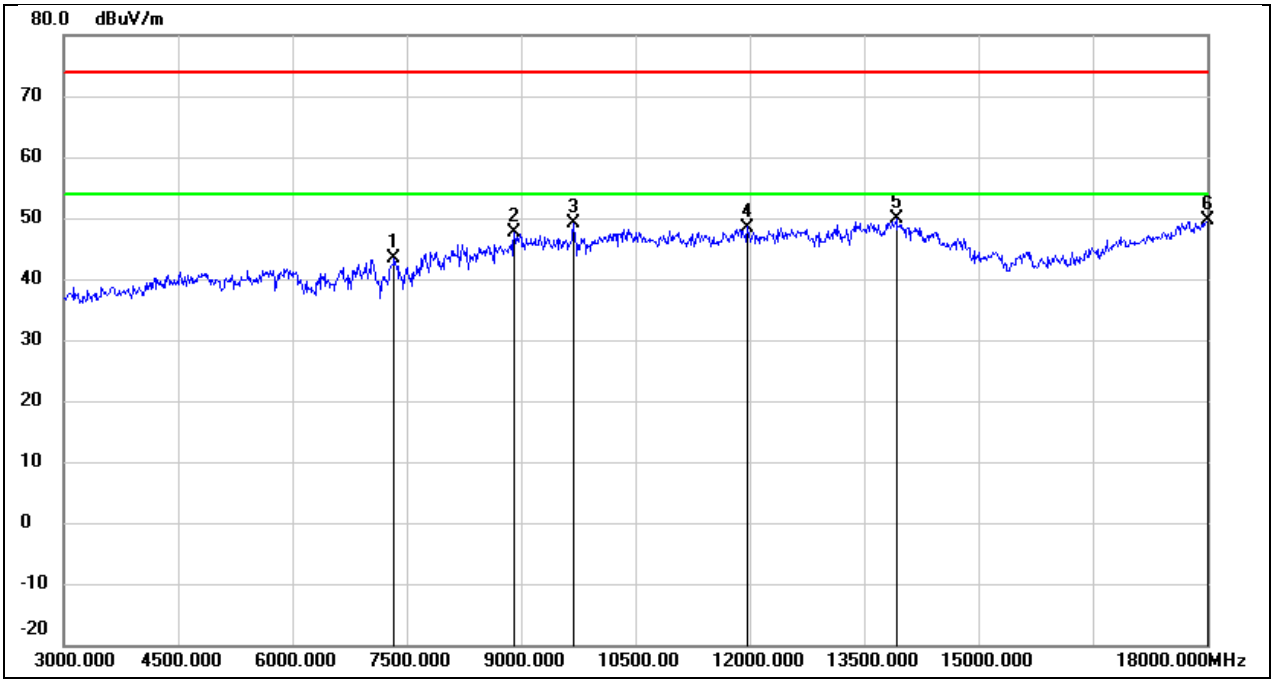
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	42.53	0.69	43.22	74.00	-30.78	peak
2	9870.000	41.46	11.86	53.32	74.00	-20.68	peak
3	11070.000	34.25	15.08	49.33	74.00	-24.67	peak
4	11880.000	32.18	17.97	50.15	74.00	-23.85	peak
5	13470.000	27.39	21.62	49.01	74.00	-24.99	peak
6	17985.000	23.01	26.77	49.78	74.00	-24.22	peak

Test Mode:	SRD 20MHz	Frequency(MHz):	2462.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



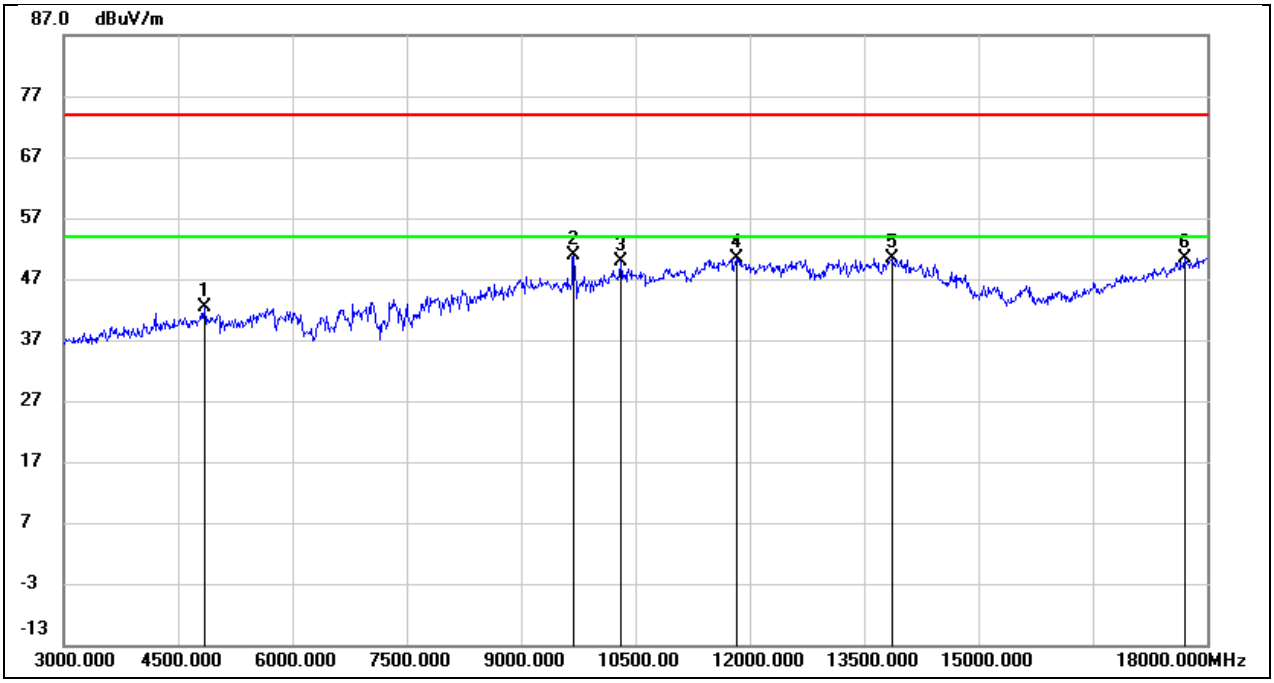
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	47.49	-1.57	45.92	74.00	-28.08	peak
2	9870.000	40.85	11.86	52.71	74.00	-21.29	peak
3	11010.000	34.16	14.94	49.10	74.00	-24.90	peak
4	12660.000	31.41	18.49	49.90	74.00	-24.10	peak
5	13860.000	27.32	22.68	50.00	74.00	-24.00	peak
6	17850.000	23.62	26.28	49.90	74.00	-24.10	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2422.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



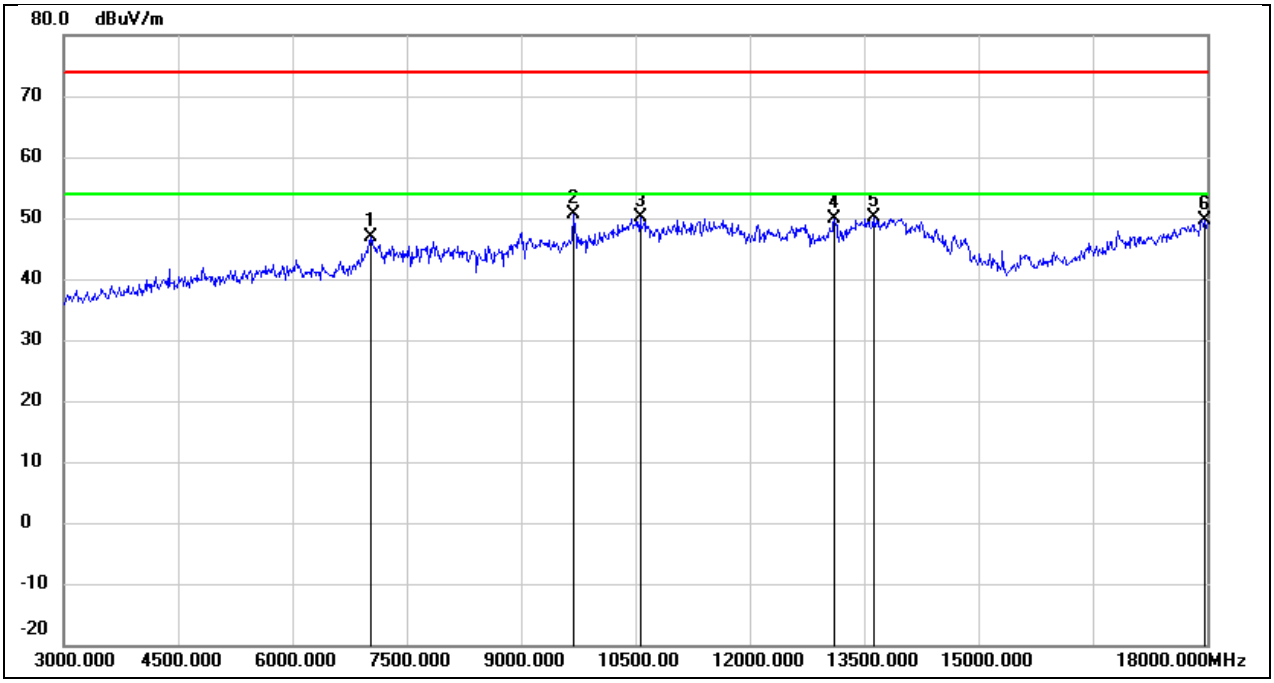
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7335.000	36.20	7.07	43.27	74.00	-30.73	peak
2	8910.000	37.67	9.93	47.60	74.00	-26.40	peak
3	9690.000	37.94	11.27	49.21	74.00	-24.79	peak
4	11970.000	30.13	18.37	48.50	74.00	-25.50	peak
5	13920.000	27.14	22.71	49.85	74.00	-24.15	peak
6	18000.000	22.69	26.83	49.52	74.00	-24.48	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2422.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



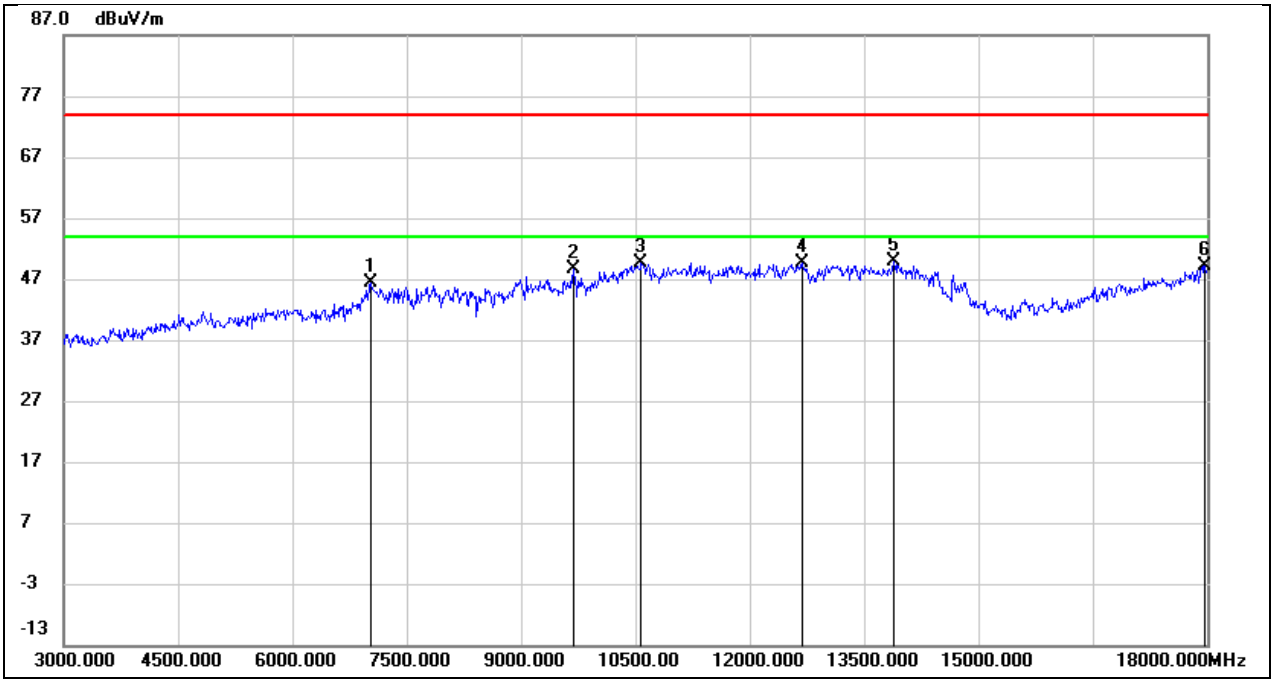
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	41.73	0.54	42.27	74.00	-31.73	peak
2	9690.000	39.62	11.27	50.89	74.00	-23.11	peak
3	10305.000	36.76	13.00	49.76	74.00	-24.24	peak
4	11835.000	32.50	17.79	50.29	74.00	-23.71	peak
5	13875.000	27.72	22.68	50.40	74.00	-23.60	peak
6	17700.000	25.30	25.17	50.47	74.00	-23.53	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2423.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



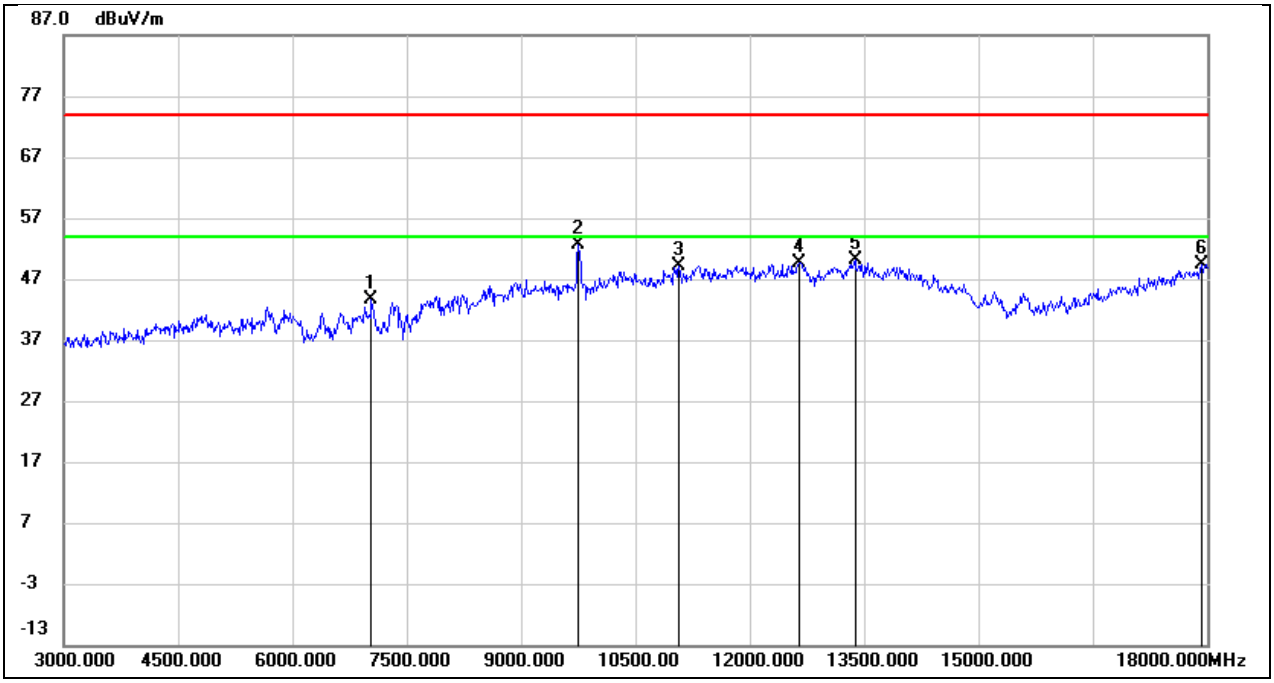
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7035.000	39.52	7.28	46.80	74.00	-27.20	peak
2	9690.000	39.45	11.27	50.72	74.00	-23.28	peak
3	10560.000	36.27	13.84	50.11	74.00	-23.89	peak
4	13110.000	30.34	19.64	49.98	74.00	-24.02	peak
5	13620.000	28.25	21.76	50.01	74.00	-23.99	peak
6	17970.000	23.00	26.72	49.72	74.00	-24.28	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2423.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



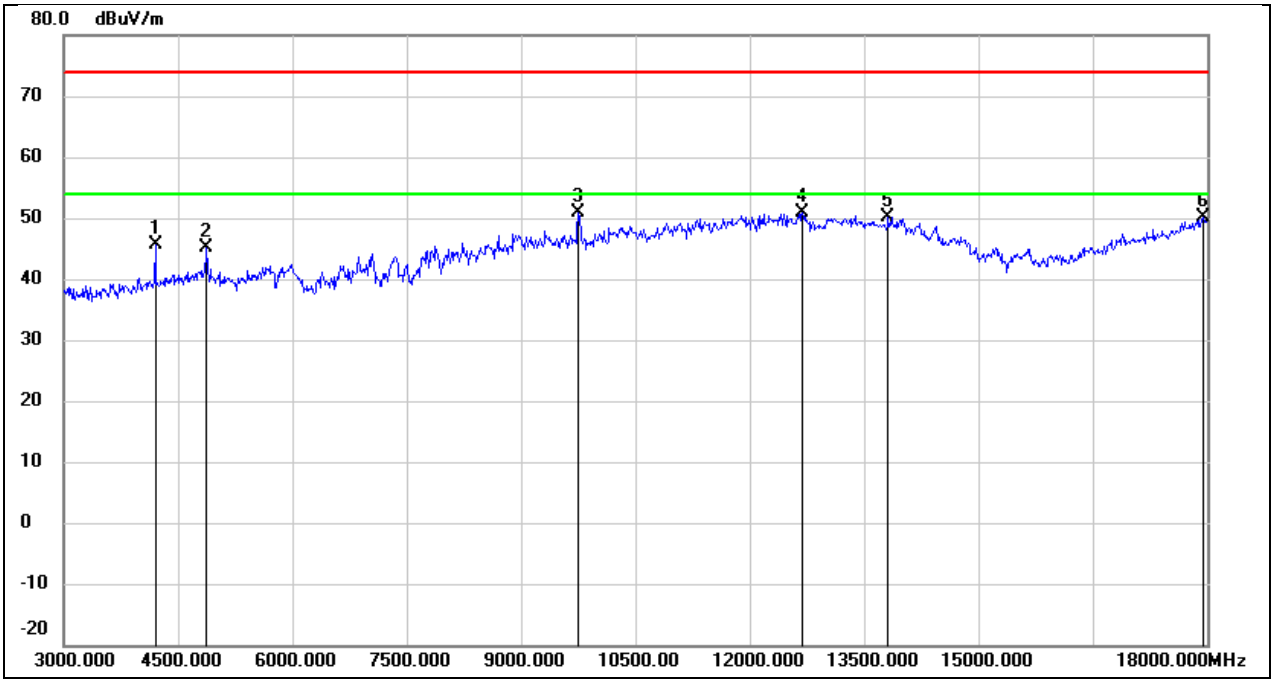
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7020.000	39.09	7.37	46.46	74.00	-27.54	peak
2	9690.000	37.27	11.27	48.54	74.00	-25.46	peak
3	10575.000	35.64	13.87	49.51	74.00	-24.49	peak
4	12690.000	30.95	18.60	49.55	74.00	-24.45	peak
5	13890.000	27.20	22.69	49.89	74.00	-24.11	peak
6	17970.000	22.44	26.72	49.16	74.00	-24.84	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



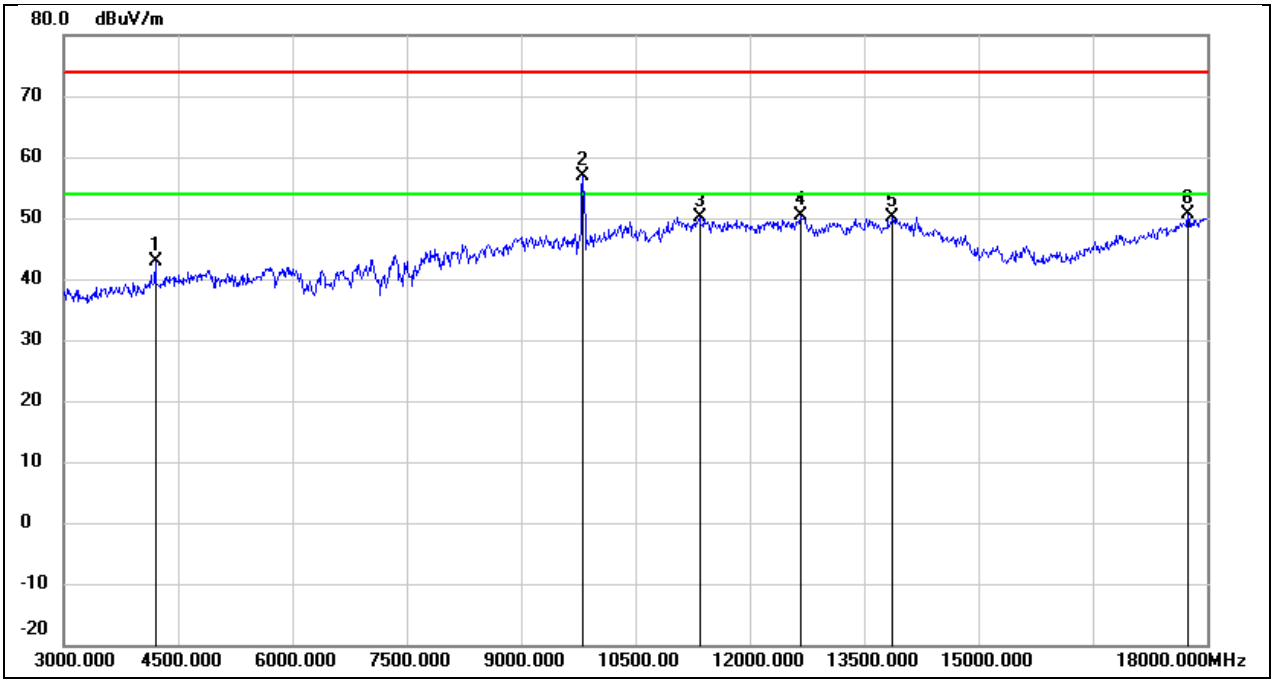
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7035.000	36.35	7.28	43.63	74.00	-30.37	peak
2	9750.000	41.16	11.40	52.56	74.00	-21.44	peak
3	11070.000	34.04	15.08	49.12	74.00	-24.88	peak
4	12645.000	31.22	18.44	49.66	74.00	-24.34	peak
5	13380.000	28.82	21.33	50.15	74.00	-23.85	peak
6	17925.000	22.82	26.55	49.37	74.00	-24.63	peak

Test Mode:	SRD 40MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	47.11	-1.57	45.54	74.00	-28.46	peak
2	4875.000	44.41	0.61	45.02	74.00	-28.98	peak
3	9750.000	39.39	11.40	50.79	74.00	-23.21	peak
4	12690.000	32.35	18.60	50.95	74.00	-23.05	peak
5	13815.000	27.57	22.65	50.22	74.00	-23.78	peak
6	17955.000	23.58	26.66	50.24	74.00	-23.76	peak

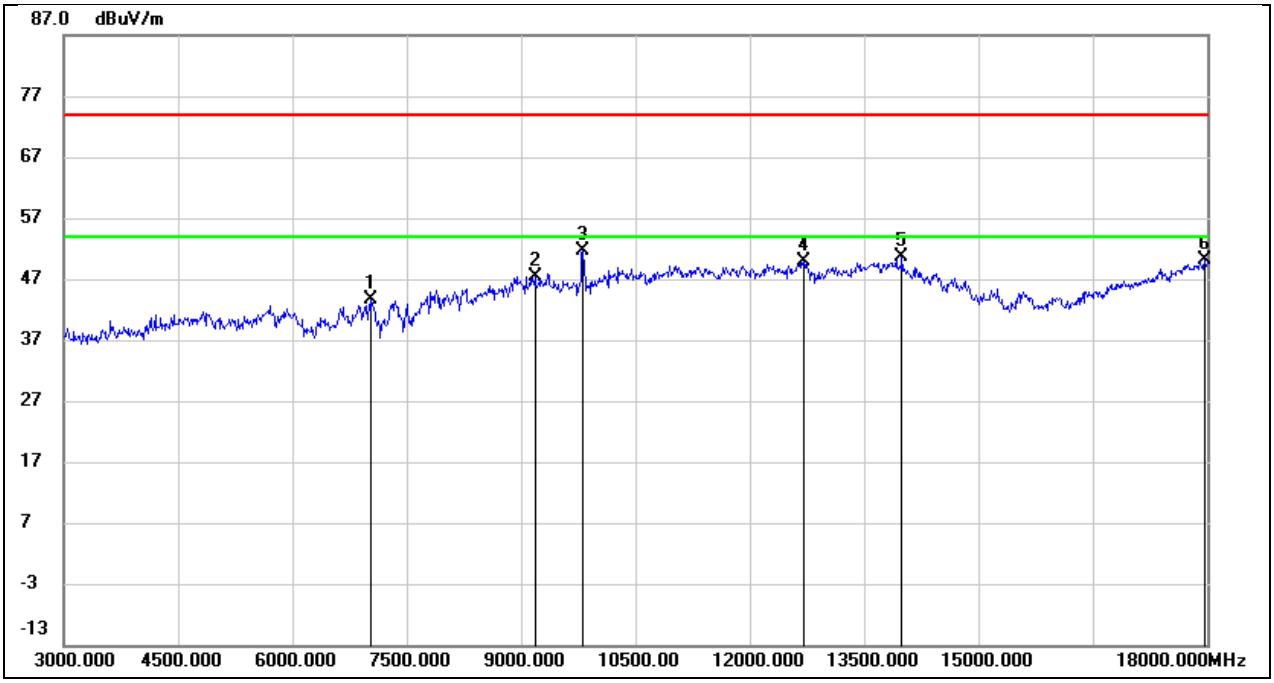
Test Mode:	SRD 40MHz	Frequency(MHz):	2452.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	44.39	-1.57	42.82	74.00	-31.18	peak
2	9810.000	45.38	11.56	56.94	74.00	-17.06	peak
3	11340.000	33.99	16.19	50.18	74.00	-23.82	peak
4	12660.000	31.93	18.49	50.42	74.00	-23.58	peak
5	13875.000	27.51	22.68	50.19	74.00	-23.81	peak
6	17745.000	24.97	25.58	50.55	74.00	-23.45	peak

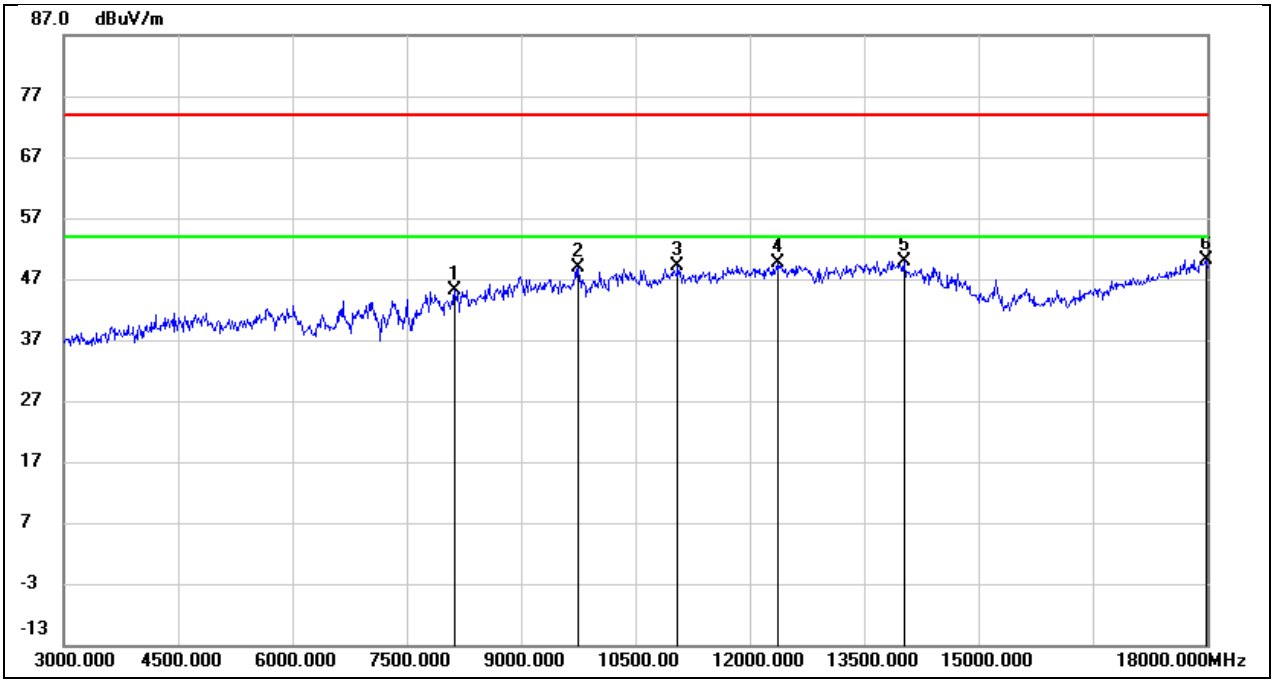
*Mark 2 does not fall in the restricted bands of FCC §15.205 (a), no limit for radiated emission, please refer to clause 7.4 for the conducted emission.

Test Mode:	SRD 40MHz	Frequency(MHz):	2452.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



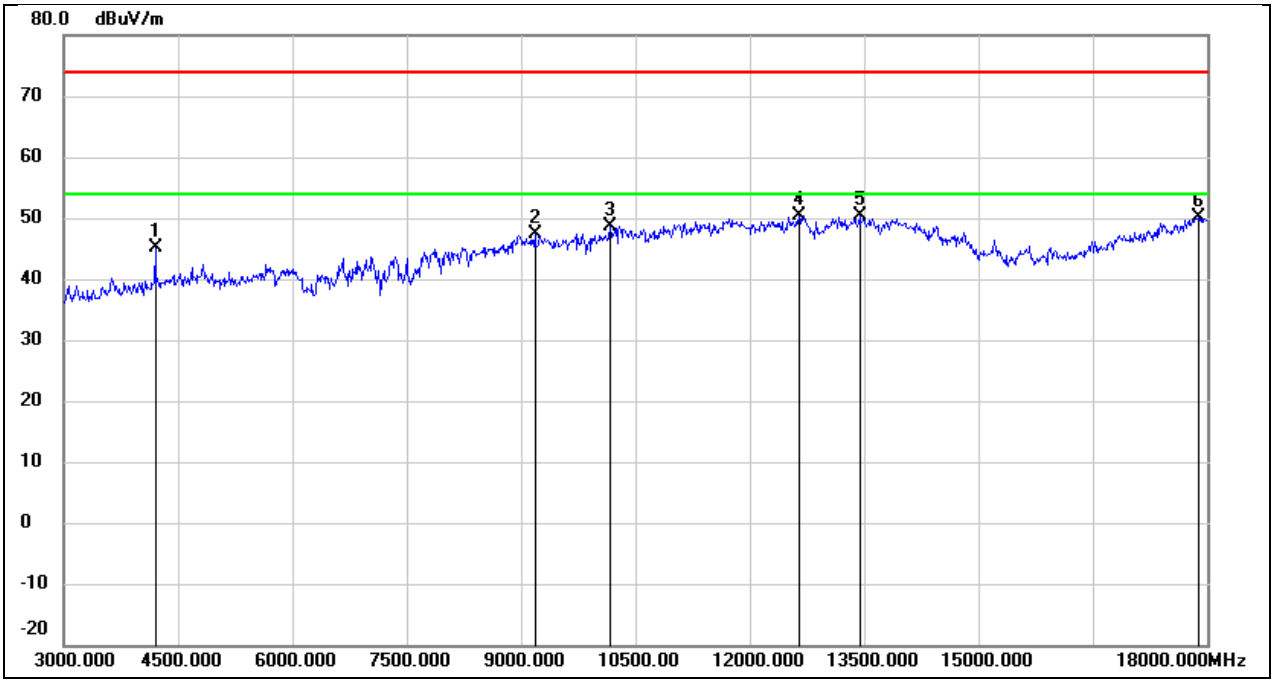
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7035.000	36.26	7.28	43.54	74.00	-30.46	peak
2	9180.000	37.33	10.13	47.46	74.00	-26.54	peak
3	9810.000	40.18	11.56	51.74	74.00	-22.26	peak
4	12705.000	31.31	18.66	49.97	74.00	-24.03	peak
5	13995.000	27.80	22.76	50.56	74.00	-23.44	peak
6	17970.000	23.49	26.72	50.21	74.00	-23.79	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2432.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



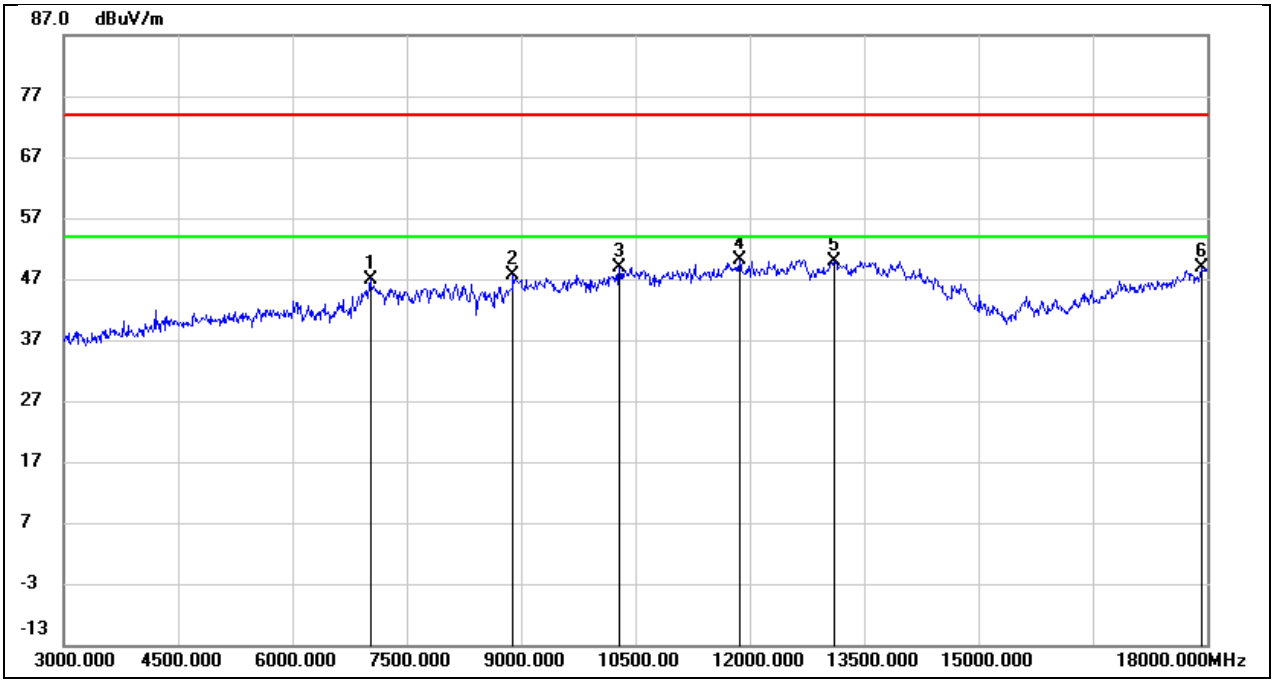
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8130.000	36.81	8.21	45.02	74.00	-28.98	peak
2	9750.000	37.38	11.40	48.78	74.00	-25.22	peak
3	11055.000	34.08	15.04	49.12	74.00	-24.88	peak
4	12375.000	30.82	18.90	49.72	74.00	-24.28	peak
5	14025.000	27.29	22.68	49.97	74.00	-24.03	peak
6	17985.000	23.35	26.77	50.12	74.00	-23.88	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2432.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



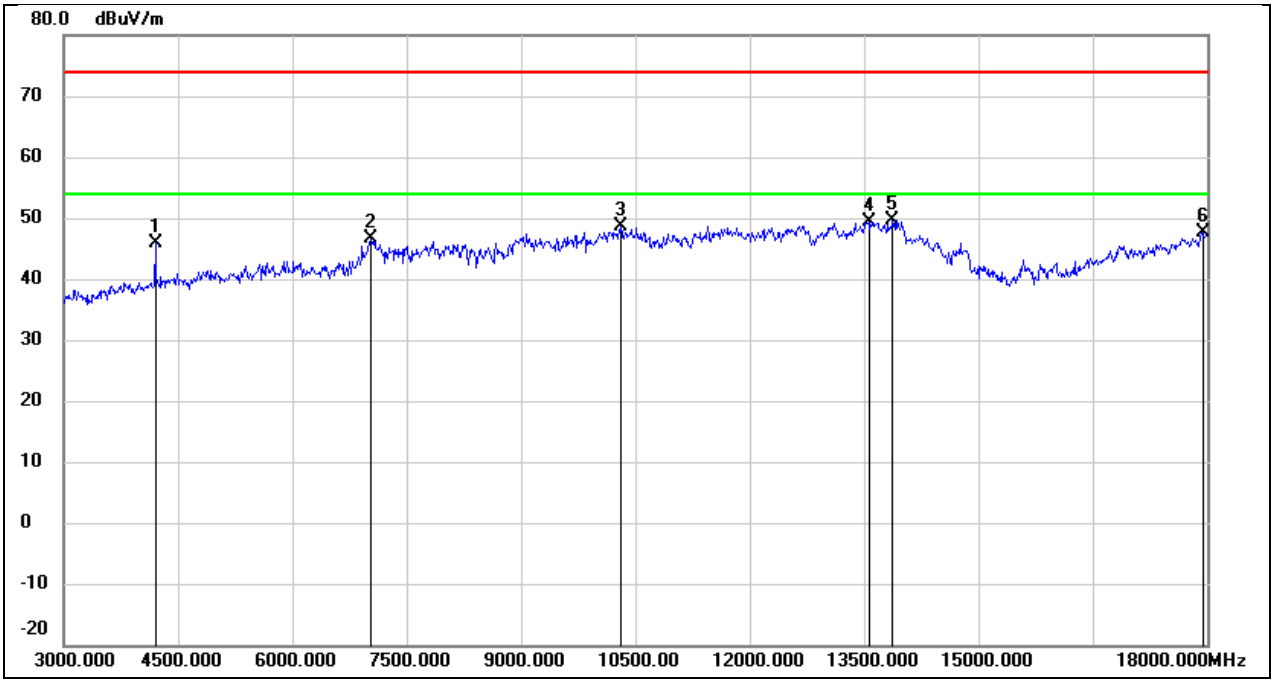
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	46.68	-1.57	45.11	74.00	-28.89	peak
2	9180.000	37.22	10.13	47.35	74.00	-26.65	peak
3	10170.000	36.13	12.48	48.61	74.00	-25.39	peak
4	12645.000	31.83	18.44	50.27	74.00	-23.73	peak
5	13440.000	28.74	21.56	50.30	74.00	-23.70	peak
6	17895.000	23.69	26.44	50.13	74.00	-23.87	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2433.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



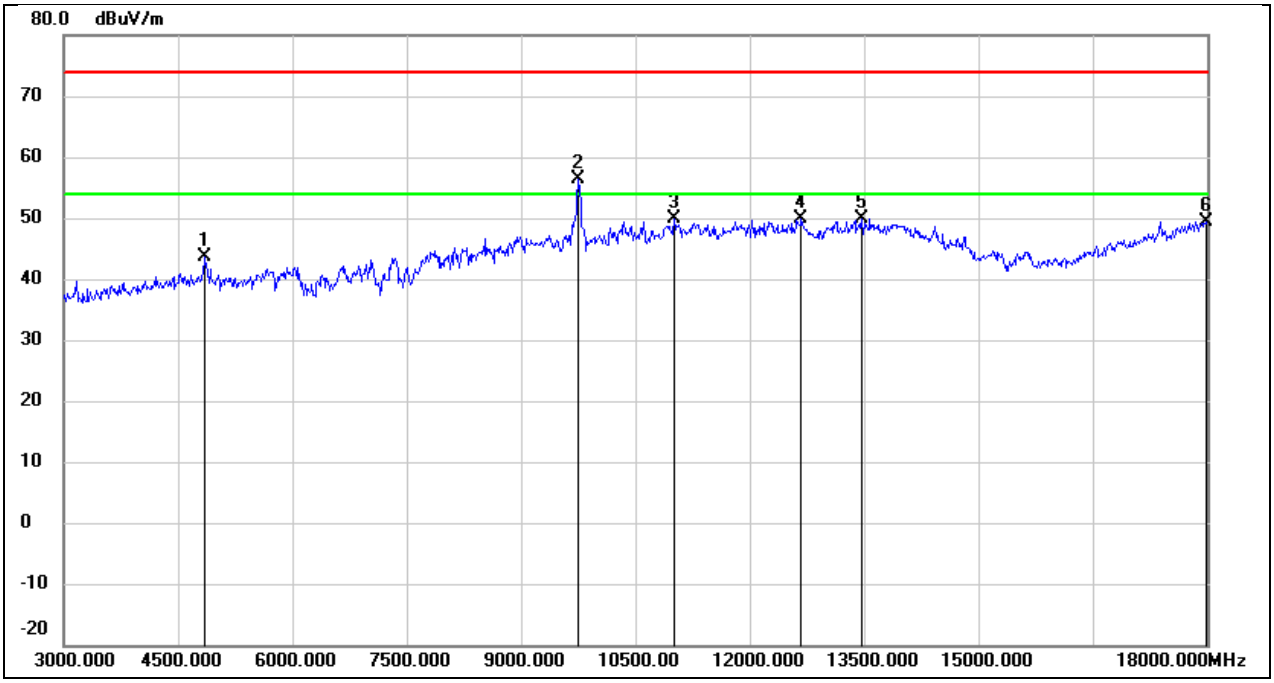
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7020.000	39.63	7.37	47.00	74.00	-27.00	peak
2	8895.000	37.82	9.73	47.55	74.00	-26.45	peak
3	10290.000	35.95	12.93	48.88	74.00	-25.12	peak
4	11865.000	32.11	17.91	50.02	74.00	-23.98	peak
5	13110.000	30.33	19.64	49.97	74.00	-24.03	peak
6	17925.000	22.33	26.55	48.88	74.00	-25.12	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2433.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	47.36	-1.57	45.79	74.00	-28.21	peak
2	7035.000	39.26	7.28	46.54	74.00	-27.46	peak
3	10305.000	35.70	13.00	48.70	74.00	-25.30	peak
4	13560.000	27.76	21.67	49.43	74.00	-24.57	peak
5	13875.000	26.95	22.68	49.63	74.00	-24.37	peak
6	17940.000	21.12	26.61	47.73	74.00	-26.27	peak

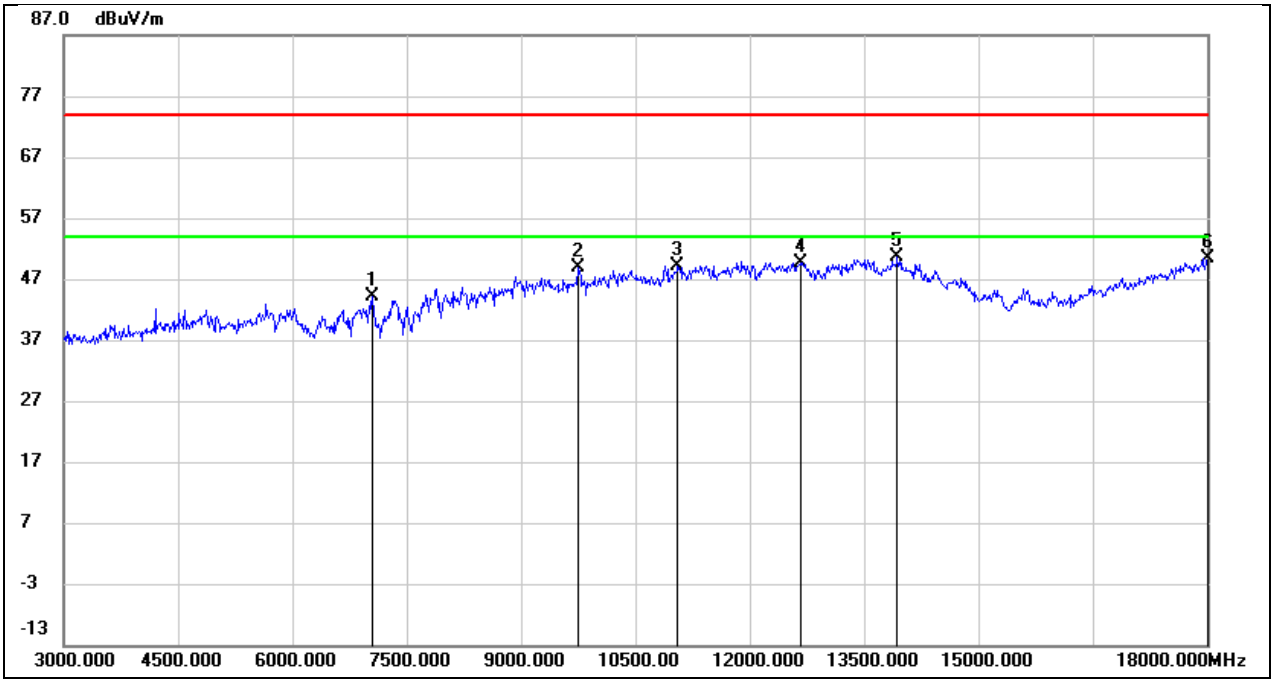
Test Mode:	SRD 60MHz	Frequency(MHz):	2437.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	42.99	0.54	43.53	74.00	-30.47	peak
2	9750.000	44.93	11.40	56.33	74.00	-17.67	peak
3	11010.000	34.92	14.94	49.86	74.00	-24.14	peak
4	12675.000	31.43	18.54	49.97	74.00	-24.03	peak
5	13470.000	28.35	21.62	49.97	74.00	-24.03	peak
6	17985.000	22.57	26.77	49.34	74.00	-24.66	peak

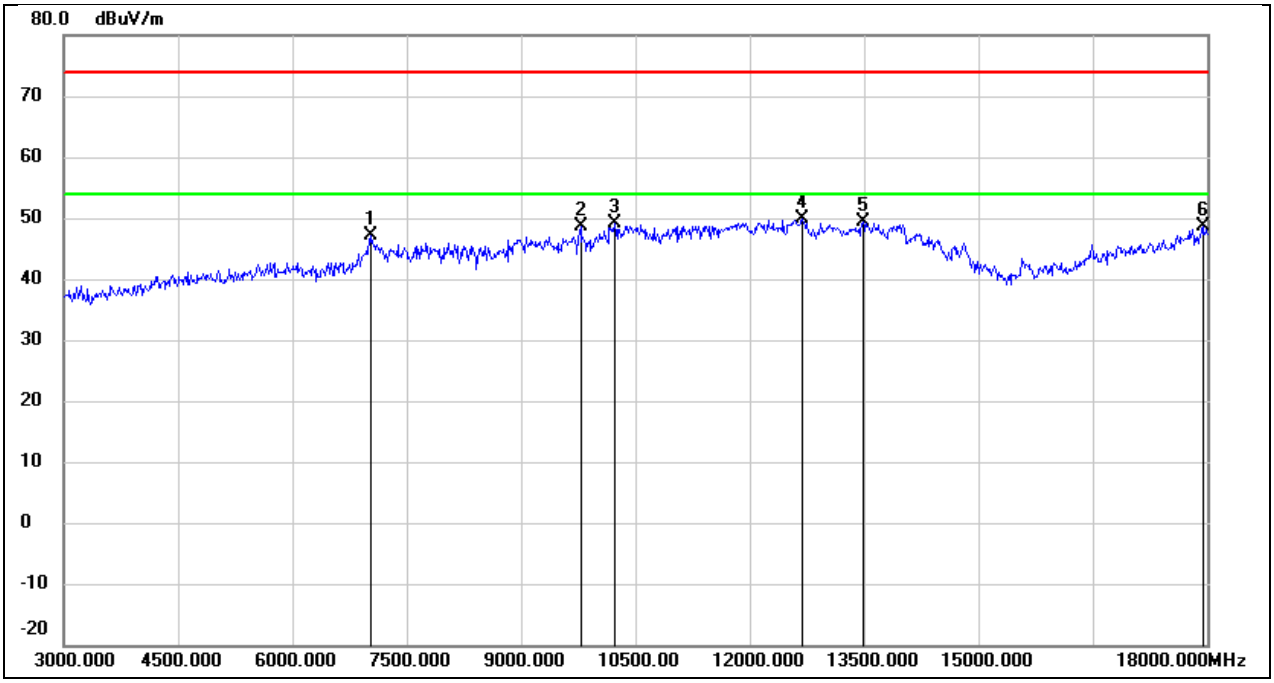
*Mark 2 does not fall in the restricted bands of FCC §15.205 (a), no limit for radiated emission, please refer to clause 7.4 for the conducted emission.

Test Mode:	SRD 60MHz	Frequency(MHz):	2437.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



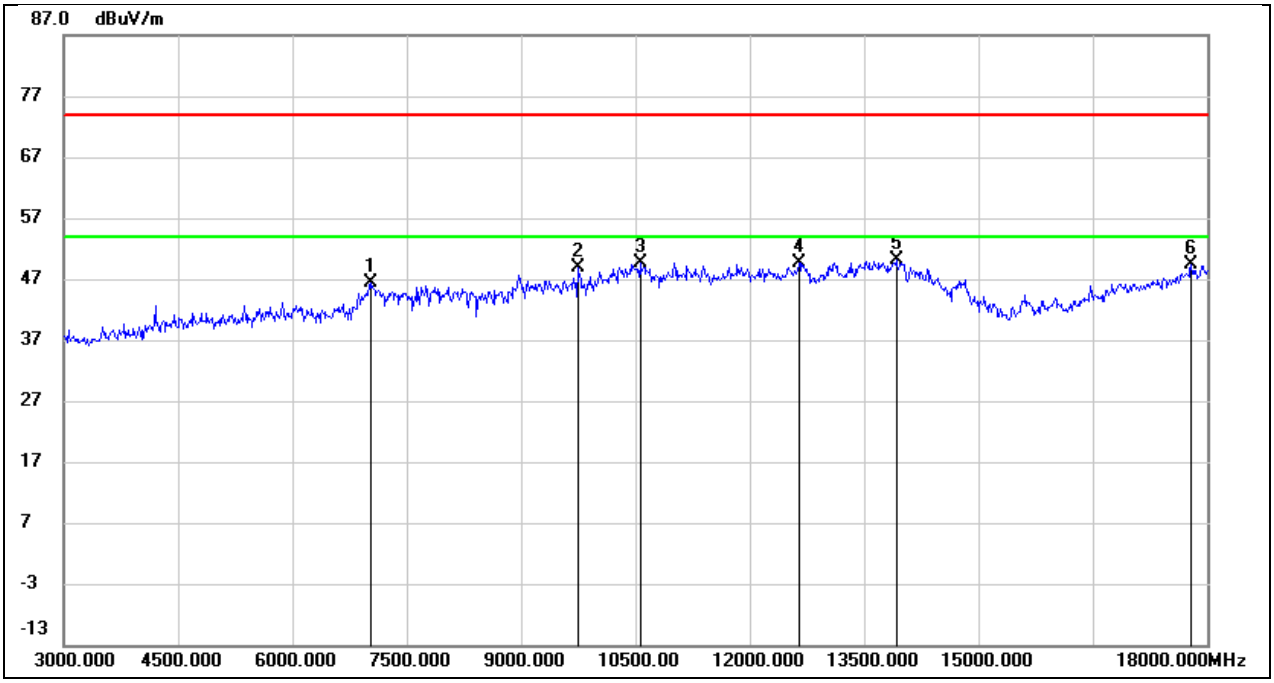
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7050.000	36.99	7.19	44.18	74.00	-29.82	peak
2	9750.000	37.43	11.40	48.83	74.00	-25.17	peak
3	11055.000	34.17	15.04	49.21	74.00	-24.79	peak
4	12660.000	31.24	18.49	49.73	74.00	-24.27	peak
5	13935.000	27.90	22.72	50.62	74.00	-23.38	peak
6	18000.000	23.65	26.83	50.48	74.00	-23.52	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2441.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



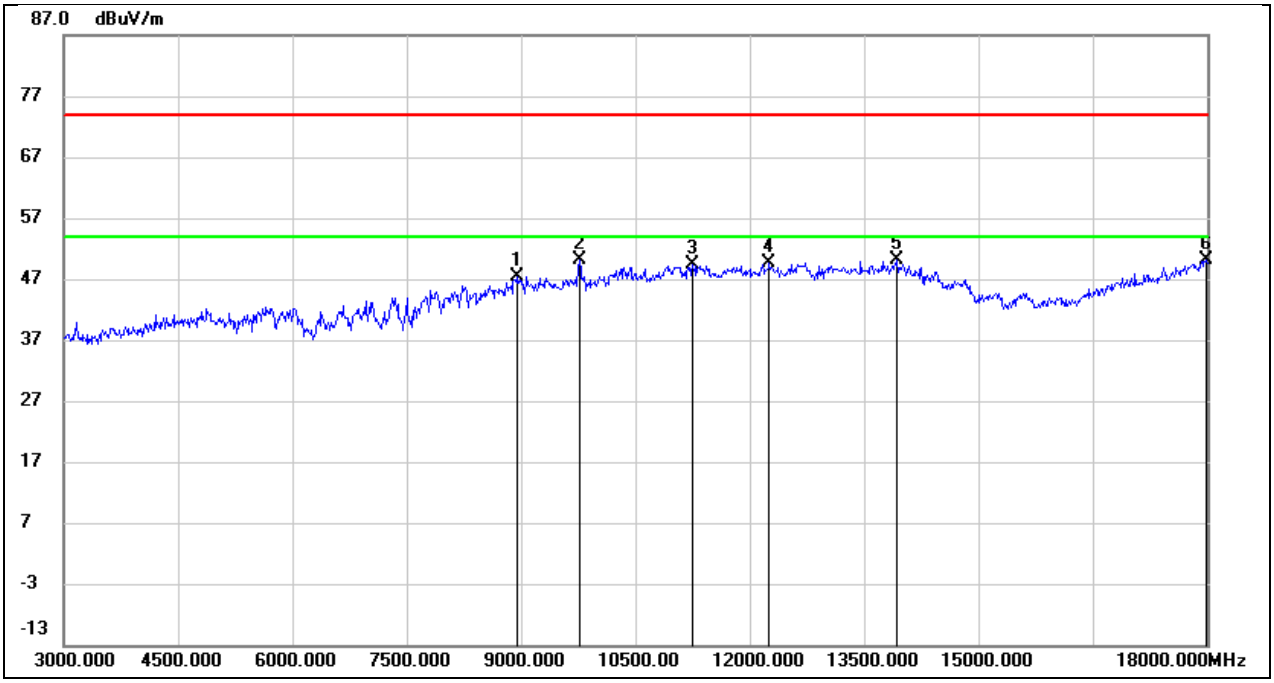
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7035.000	39.73	7.28	47.01	74.00	-26.99	peak
2	9780.000	37.16	11.47	48.63	74.00	-25.37	peak
3	10230.000	36.43	12.62	49.05	74.00	-24.95	peak
4	12690.000	31.20	18.60	49.80	74.00	-24.20	peak
5	13485.000	27.66	21.65	49.31	74.00	-24.69	peak
6	17940.000	22.13	26.61	48.74	74.00	-25.26	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2441.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



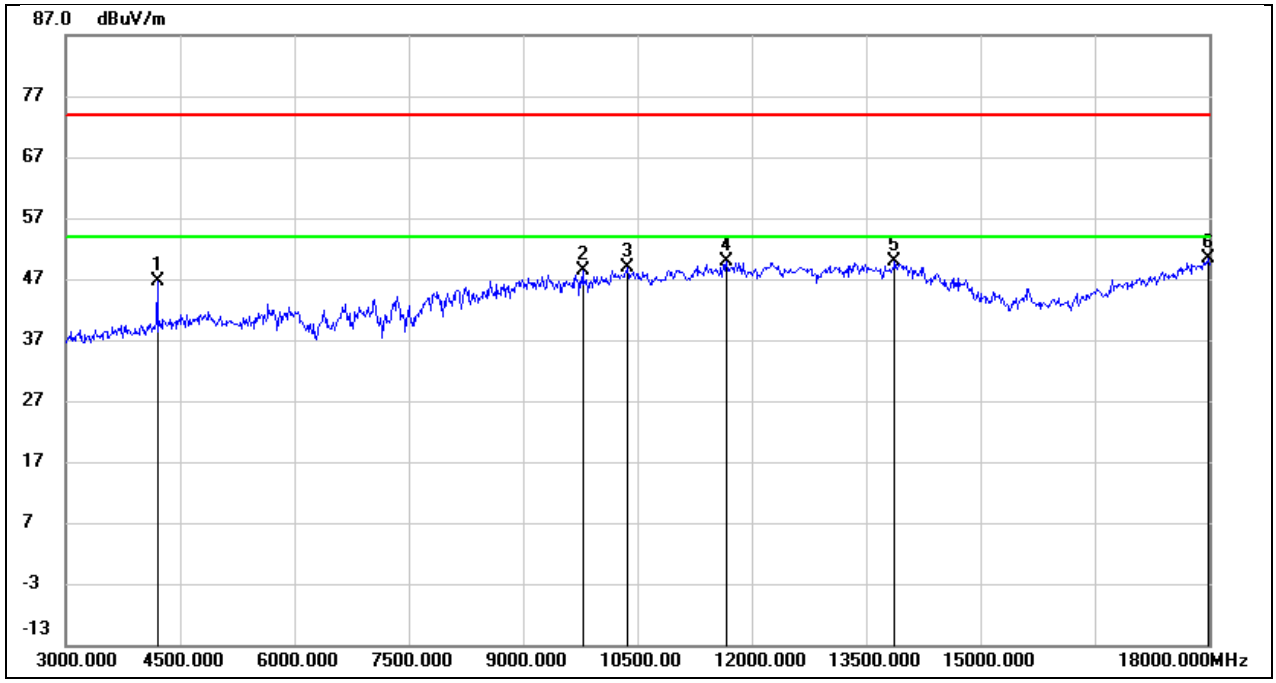
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7020.000	39.12	7.37	46.49	74.00	-27.51	peak
2	9750.000	37.37	11.40	48.77	74.00	-25.23	peak
3	10560.000	35.90	13.84	49.74	74.00	-24.26	peak
4	12645.000	31.26	18.44	49.70	74.00	-24.30	peak
5	13920.000	27.48	22.71	50.19	74.00	-23.81	peak
6	17790.000	23.28	25.99	49.27	74.00	-24.73	peak

Test Mode:	SRD 60MHz	Frequency(MHz):	2442.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8940.000	37.02	10.35	47.37	74.00	-26.63	peak
2	9765.000	38.81	11.44	50.25	74.00	-23.75	peak
3	11250.000	33.59	15.67	49.26	74.00	-24.74	peak
4	12255.000	31.16	18.50	49.66	74.00	-24.34	peak
5	13935.000	27.37	22.72	50.09	74.00	-23.91	peak
6	17985.000	23.35	26.77	50.12	74.00	-23.88	peak

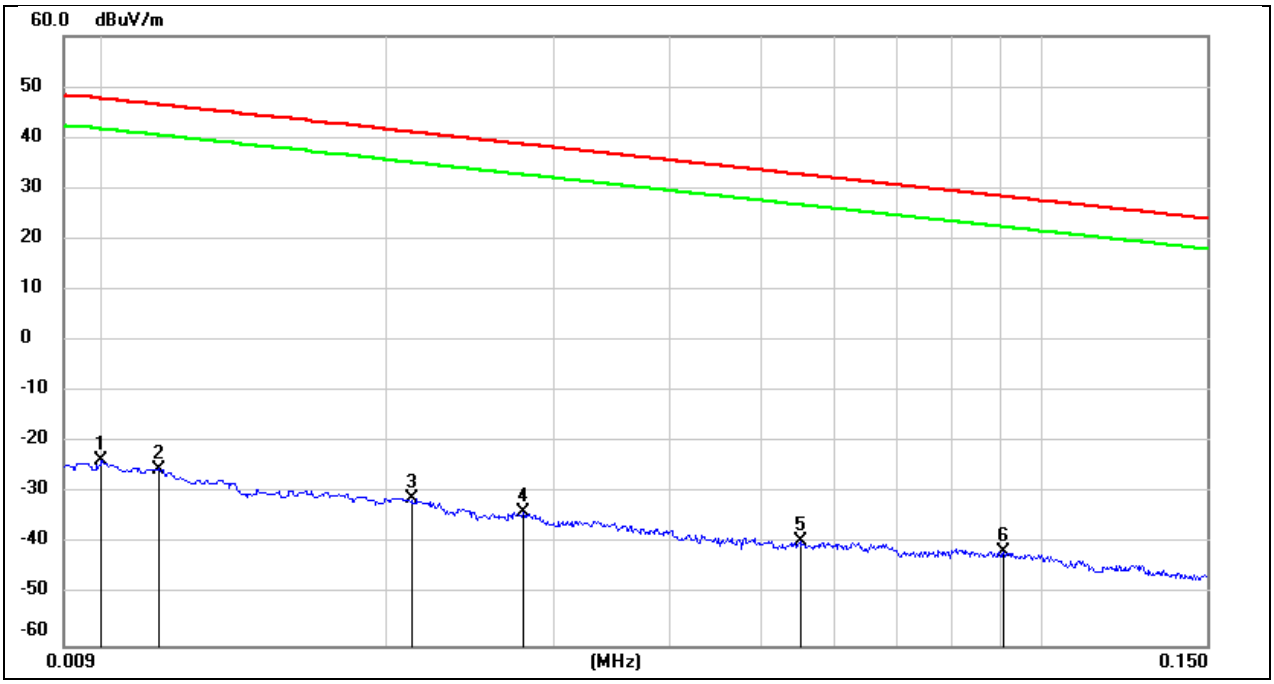
Test Mode:	SRD 60MHz	Frequency(MHz):	2442.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4200.000	48.16	-1.57	46.59	74.00	-27.41	peak
2	9780.000	36.99	11.47	48.46	74.00	-25.54	peak
3	10365.000	35.61	13.29	48.90	74.00	-25.10	peak
4	11670.000	32.65	17.24	49.89	74.00	-24.11	peak
5	13875.000	27.25	22.68	49.93	74.00	-24.07	peak
6	17985.000	23.56	26.77	50.33	74.00	-23.67	peak

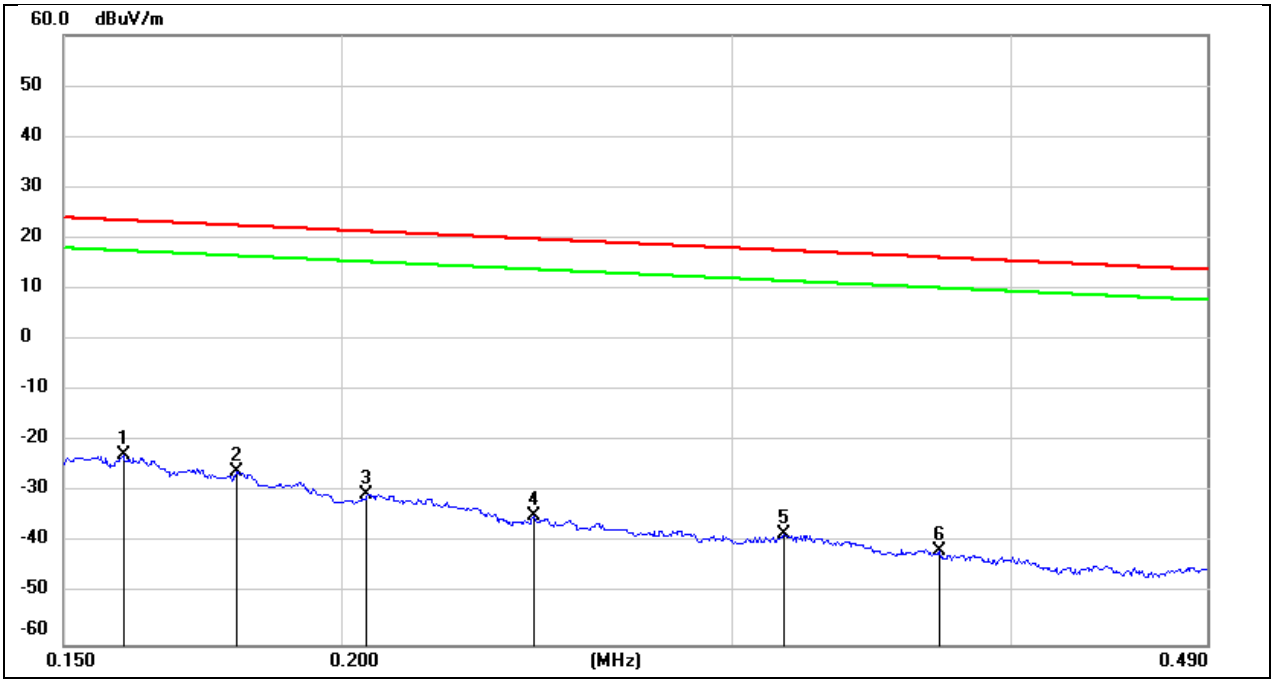
8.4. SPURIOUS EMISSIONS (9 KHZ ~ 30 MHZ)

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



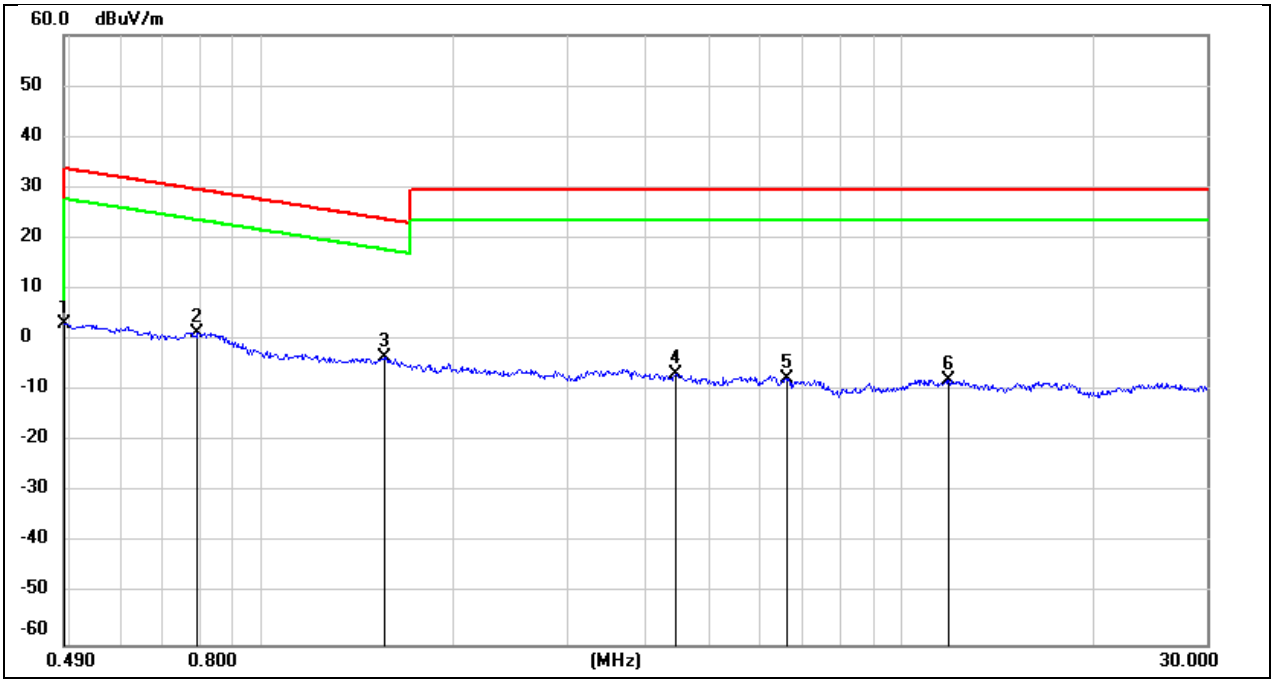
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0100	77.72	-101.40	-23.68	47.60	-71.28	peak
2	0.0114	76.00	-101.40	-25.40	46.46	-71.86	peak
3	0.0212	70.29	-101.35	-31.06	41.07	-72.13	peak
4	0.0279	67.67	-101.38	-33.71	38.69	-72.40	peak
5	0.0551	61.95	-101.50	-39.55	32.78	-72.33	peak
6	0.0911	60.11	-101.72	-41.61	28.41	-70.02	peak

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1595	78.86	-101.65	-22.79	23.55	-46.34	peak
2	0.1794	75.77	-101.68	-25.91	22.53	-48.44	peak
3	0.2053	71.29	-101.73	-30.44	21.35	-51.79	peak
4	0.2442	67.03	-101.79	-34.76	19.85	-54.61	peak
5	0.3163	63.70	-101.87	-38.17	17.60	-55.77	peak
6	0.3714	60.28	-101.93	-41.65	16.20	-57.85	peak

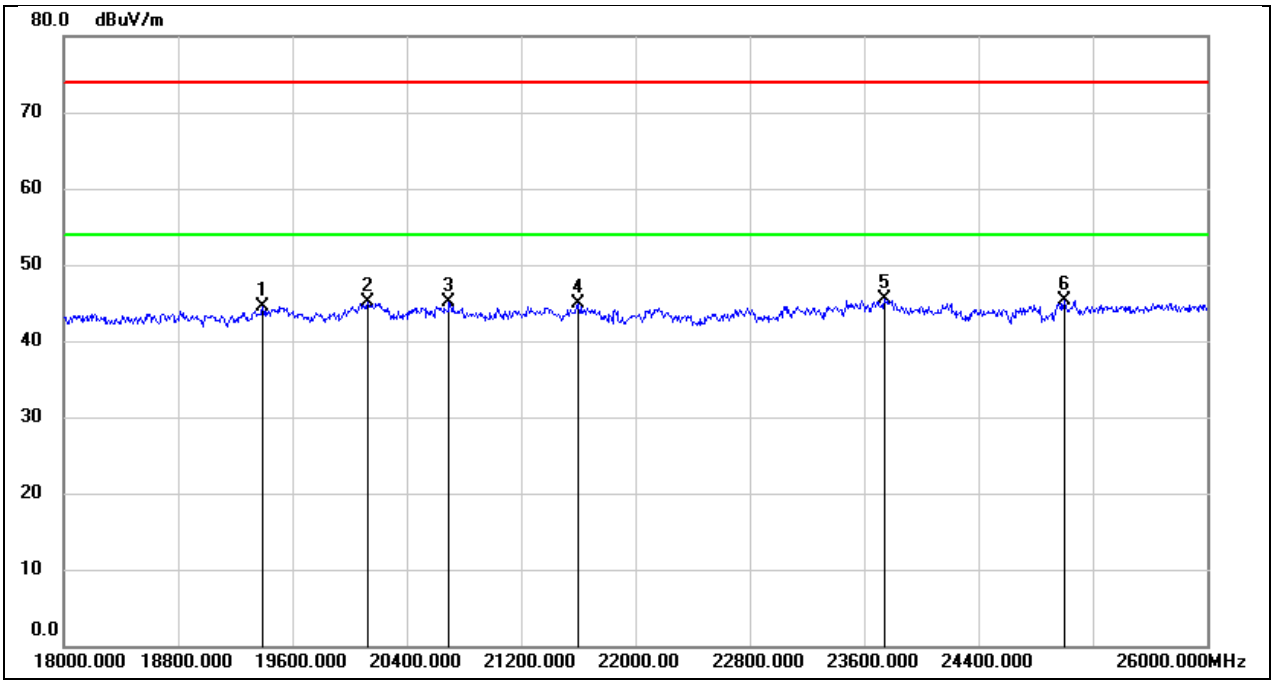
Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.4900	65.22	-62.06	3.16	13.80	-10.64	peak
2	0.7929	63.52	-62.14	1.38	29.62	-28.24	peak
3	1.5564	58.68	-62.02	-3.34	23.76	-27.10	peak
4	4.4443	54.79	-61.40	-6.61	29.54	-36.15	peak
5	6.5998	53.62	-61.27	-7.65	29.54	-37.19	peak
6	11.8513	53.06	-60.88	-7.82	29.54	-37.36	peak

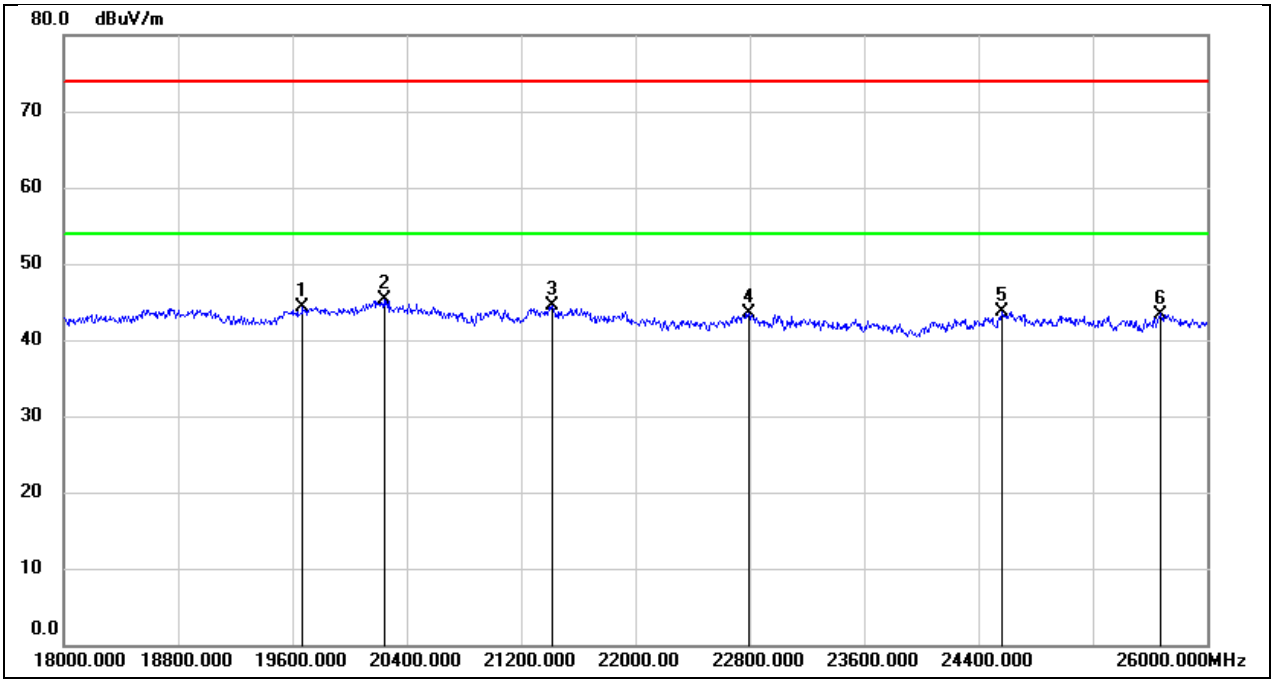
8.5. SPURIOUS EMISSIONS (18 GHZ ~ 26 GHZ)

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19392.000	50.12	-5.57	44.55	74.00	-29.45	peak
2	20128.000	50.62	-5.53	45.09	74.00	-28.91	peak
3	20696.000	50.21	-5.16	45.05	74.00	-28.95	peak
4	21600.000	49.52	-4.54	44.98	74.00	-29.02	peak
5	23744.000	48.65	-3.20	45.45	74.00	-28.55	peak
6	25000.000	47.36	-2.10	45.26	74.00	-28.74	peak

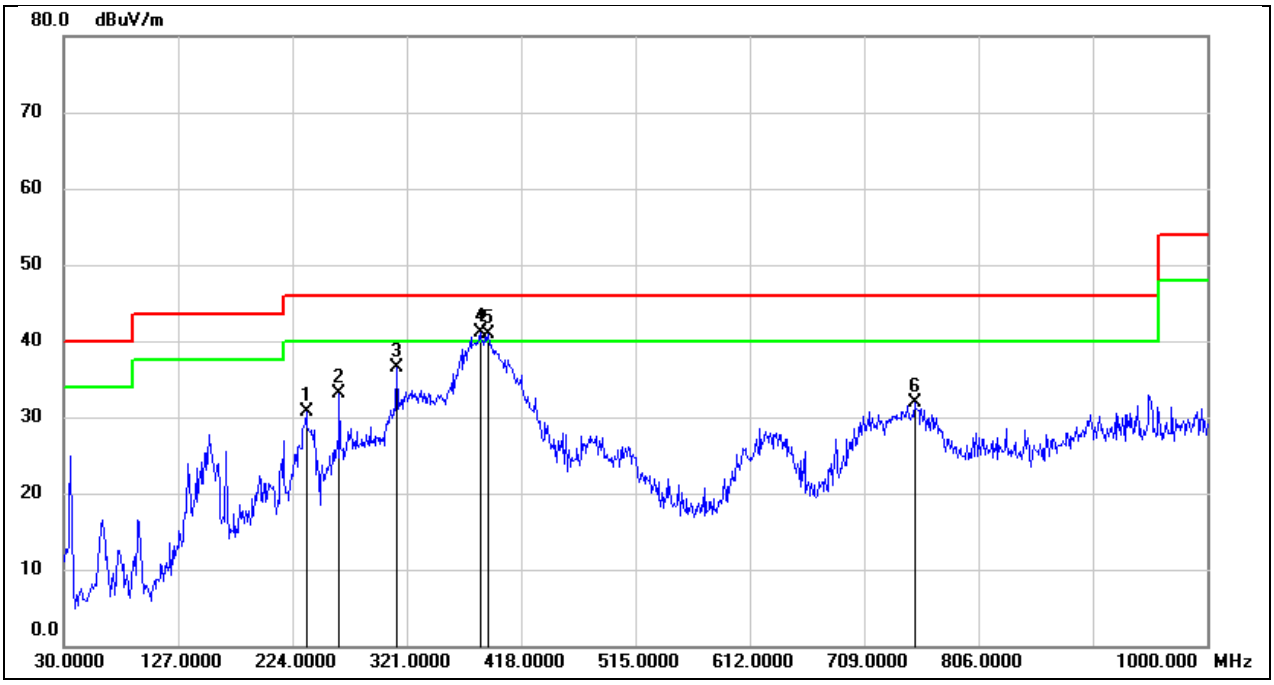
Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19672.000	49.62	-5.34	44.28	74.00	-29.72	peak
2	20240.000	50.82	-5.61	45.21	74.00	-28.79	peak
3	21416.000	49.23	-4.72	44.51	74.00	-29.49	peak
4	22792.000	47.11	-3.65	43.46	74.00	-30.54	peak
5	24568.000	46.10	-2.33	43.77	74.00	-30.23	peak
6	25672.000	44.37	-0.97	43.40	74.00	-30.60	peak

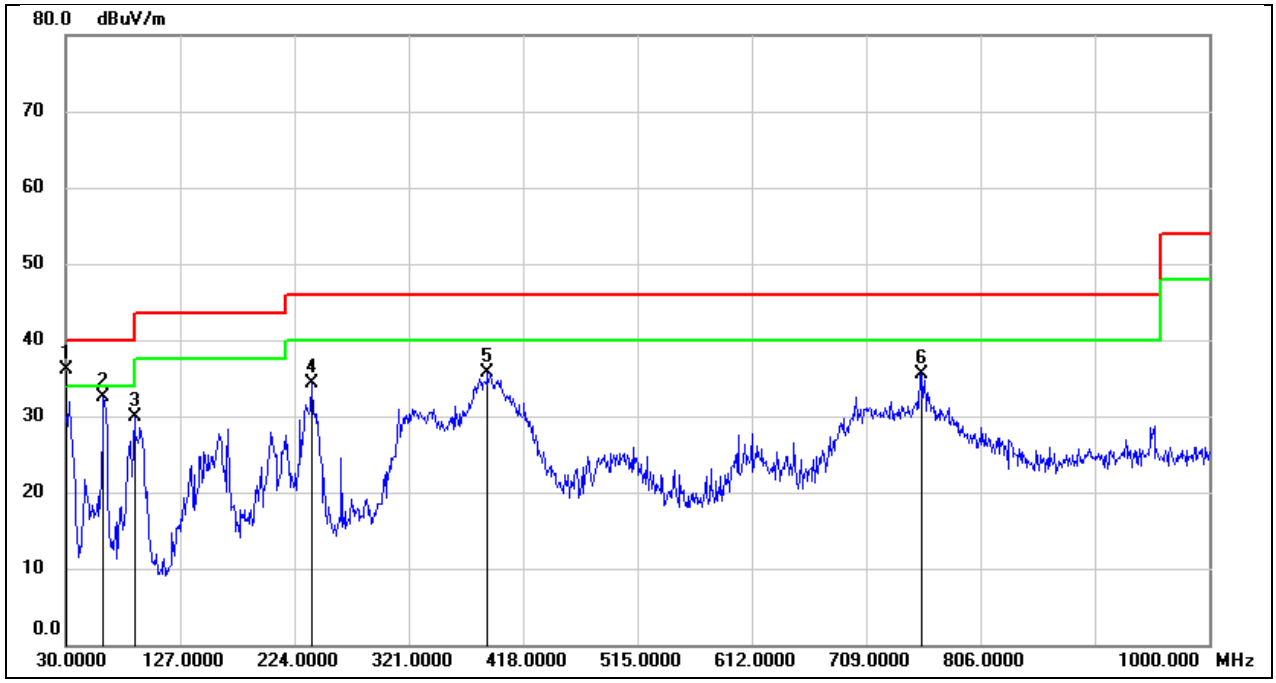
8.6. SPURIOUS EMISSIONS (30 MHZ ~ 1 GHZ)

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Horizontal	Test Voltage:	DC 7.3 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	235.6400	44.58	-13.89	30.69	46.00	-15.31	QP
2	263.7700	47.01	-13.94	33.07	46.00	-12.93	QP
3	312.2700	47.64	-11.19	36.45	46.00	-9.55	QP
4	383.0799	50.80	-9.71	41.09	46.00	-4.91	QP
5	389.8700	50.65	-9.70	40.95	46.00	-5.05	QP
6	751.6800	35.46	-3.49	31.97	46.00	-14.03	QP

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Polarity:	Vertical	Test Voltage:	DC 7.3 V

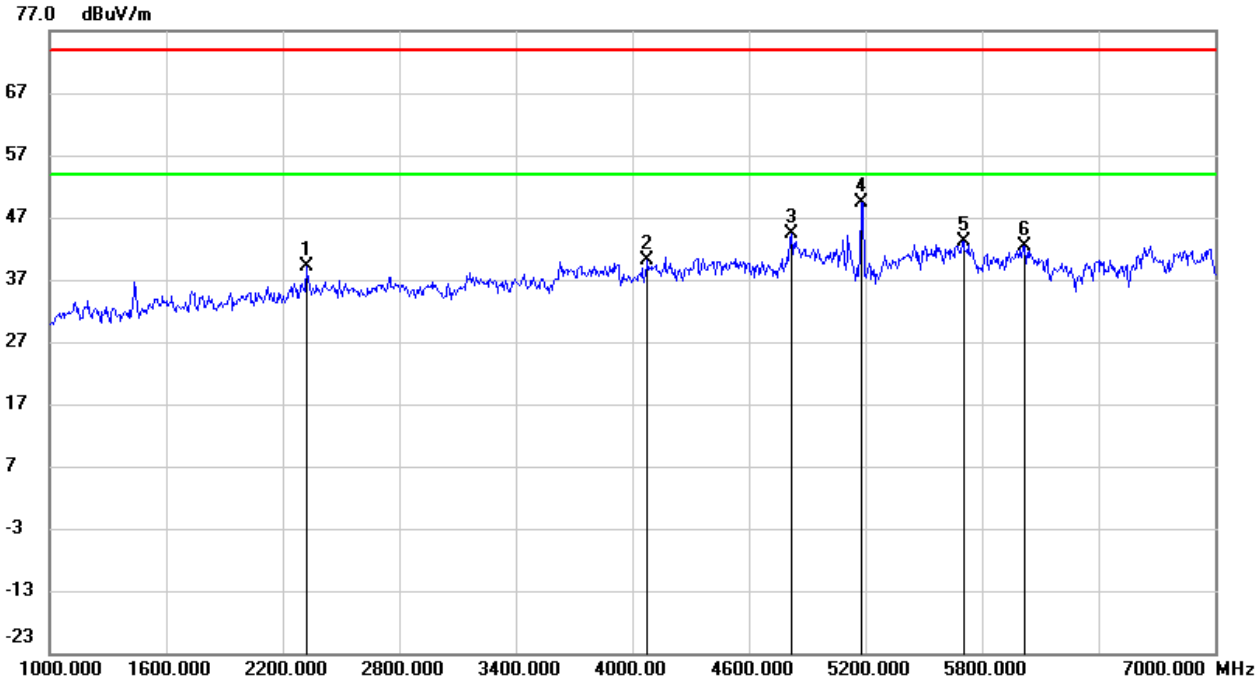


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	49.42	-13.34	36.08	40.00	-3.92	QP
2	62.0100	47.81	-15.28	32.53	40.00	-7.47	QP
3	88.2000	47.04	-17.06	29.98	43.50	-13.52	QP
4	238.5500	48.39	-14.08	34.31	46.00	-11.69	QP
5	387.9300	45.31	-9.70	35.61	46.00	-10.39	QP
6	756.5300	38.91	-3.35	35.56	46.00	-10.44	QP

8.7. SPURIOUS EMISSIONS FOR SIMULTANEOUS TRANSMISSION

SPURIOUS EMISSIONS (2.4GHz SRD 20MHz MID CHANNEL, 5GHz WiFi 802.11a 20 MODE Middle CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)

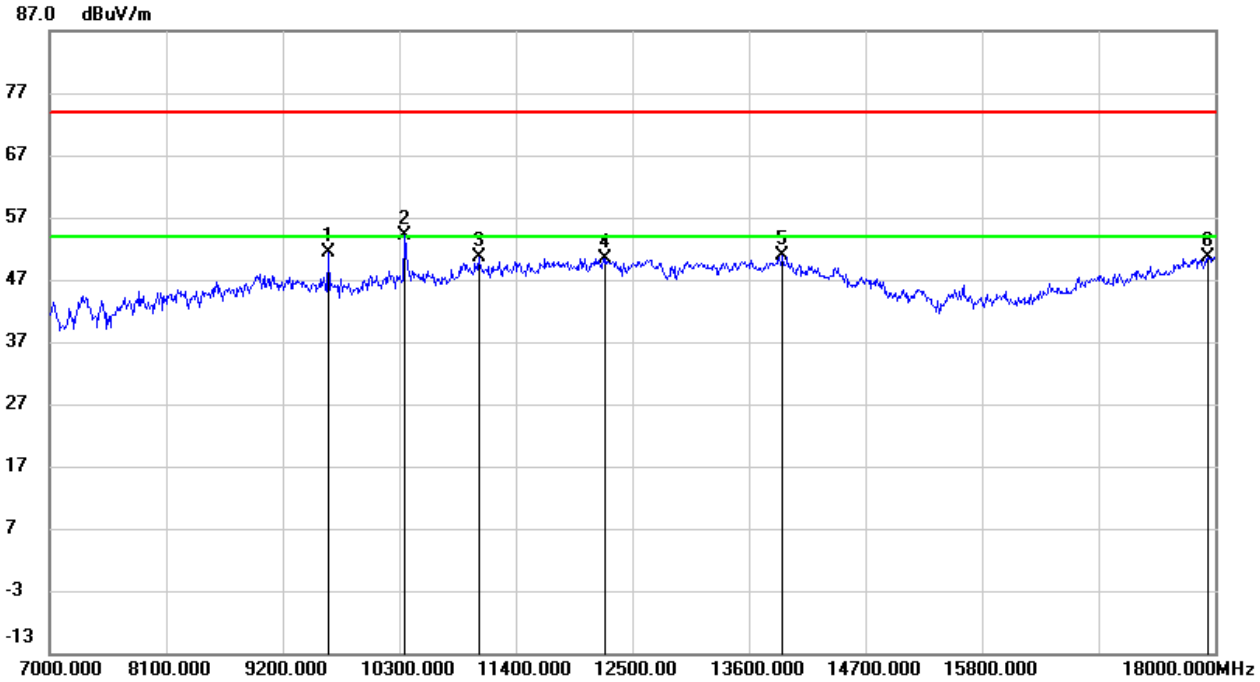
1-7 GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2320.000	47.10	-8.00	39.10	74.00	-34.90	peak
2	4078.000	42.61	-2.45	40.16	74.00	-33.84	peak
3	4818.200	44.27	0.12	44.39	74.00	-29.61	peak
4	5182.000	48.13	1.31	49.44	74.00	-24.56	peak
5	5704.000	40.43	2.74	43.17	74.00	-30.83	peak
6	6022.000	39.27	3.22	42.49	74.00	-31.51	peak

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

7-18 GHz

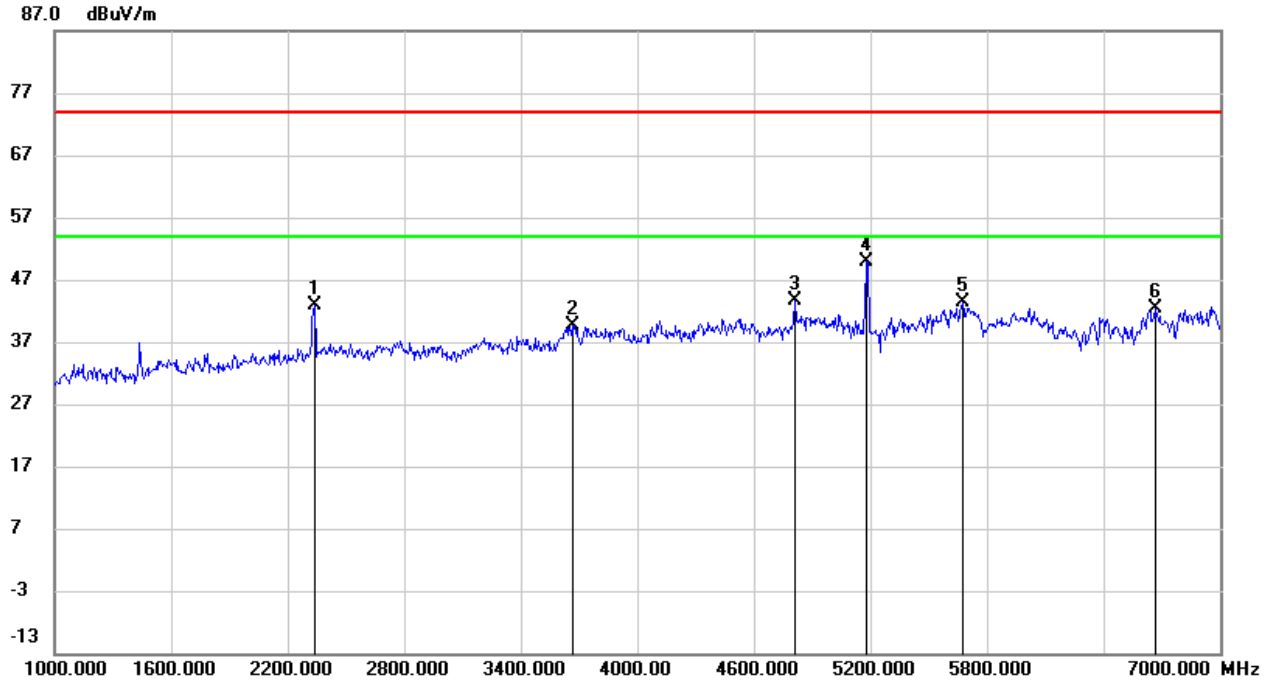


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9630.500	40.22	11.08	51.30	74.00	-22.70	peak
2	10355.000	41.16	13.03	54.19	74.00	-19.81	peak
3	11048.000	35.75	14.99	50.74	74.00	-23.26	peak
4	12247.000	31.81	18.68	50.49	74.00	-23.51	peak
5	13919.000	28.44	22.49	50.93	74.00	-23.07	peak
6	17934.000	24.01	26.69	50.70	74.00	-23.30	peak

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

SPURIOUS EMISSIONS (2.4GHz SRD 20MHz MID CHANNEL, 5GHz WiFi 802.11a 20 MODE Middle CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)

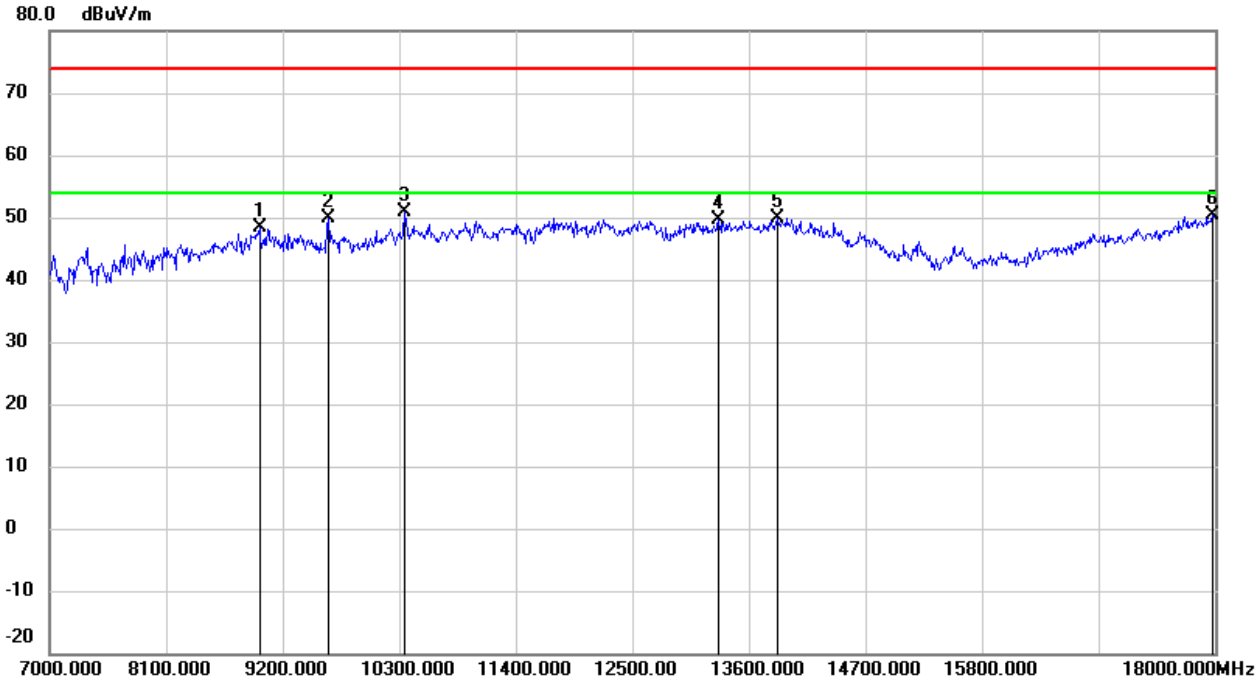
1-7 GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2338.000	50.79	-7.85	42.94	74.00	-31.06	peak
2	3664.000	43.00	-3.45	39.55	74.00	-34.45	peak
3	4810.600	43.61	0.08	43.69	74.00	-30.31	peak
4	5176.000	48.59	1.29	49.88	74.00	-24.12	peak
5	5674.000	40.56	2.87	43.43	74.00	-30.57	peak
6	6664.000	37.48	4.78	42.26	74.00	-31.74	peak

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

7-18 GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8980.000	36.78	11.57	48.35	74.00	-25.65	peak
2	9629.400	38.82	11.08	49.90	74.00	-24.10	peak
3	10344.000	37.78	12.98	50.76	74.00	-23.24	peak
4	13314.000	29.10	20.64	49.74	74.00	-24.26	peak
5	13864.000	27.50	22.45	49.95	74.00	-24.05	peak
6	17978.000	23.55	26.88	50.43	74.00	-23.57	peak

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

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

9. AC POWER LINE CONDUCTED EMISSION

LIMITS

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

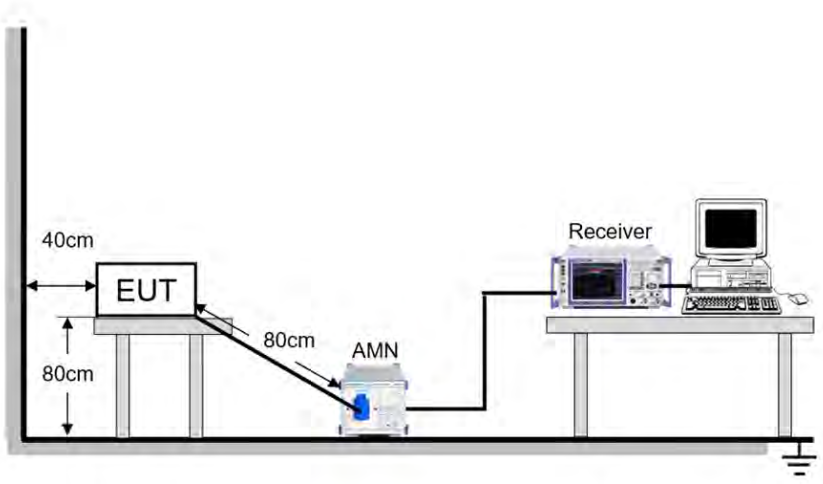
FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST PROCEDURE

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

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

TEST SETUP

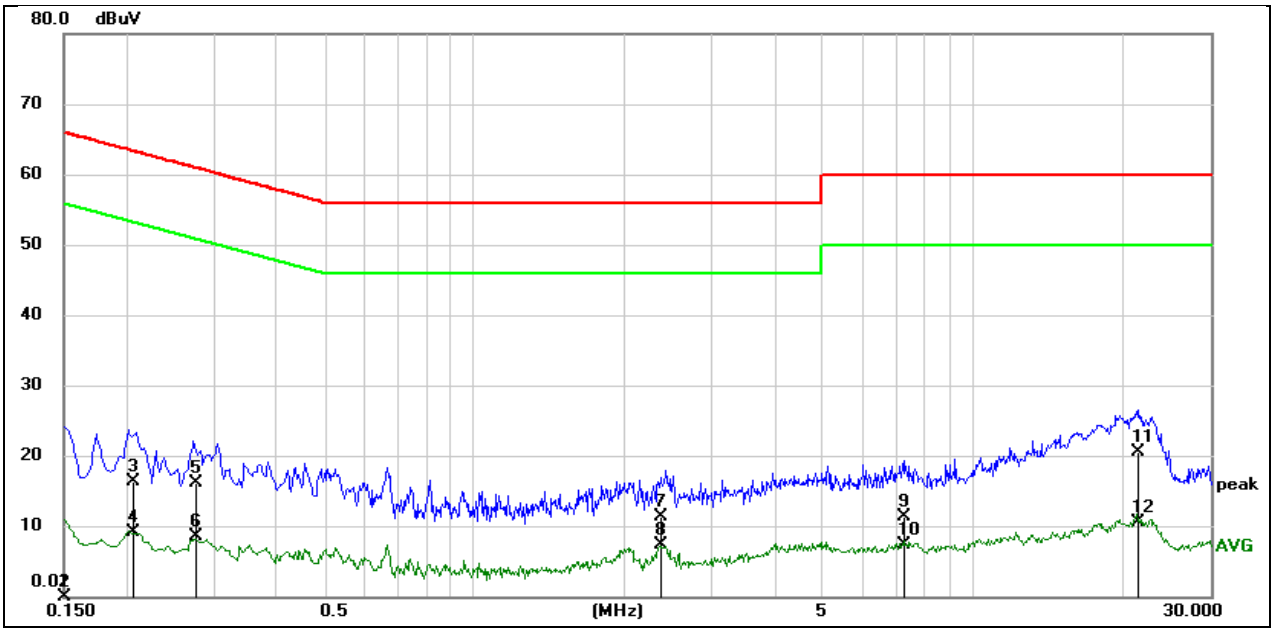


TEST ENVIRONMENT

Temperature	23.6 °C	Relative Humidity	53 %
Atmosphere Pressure	101 kPa	Test Voltage	AC 120 V/60 Hz

TEST RESULTS

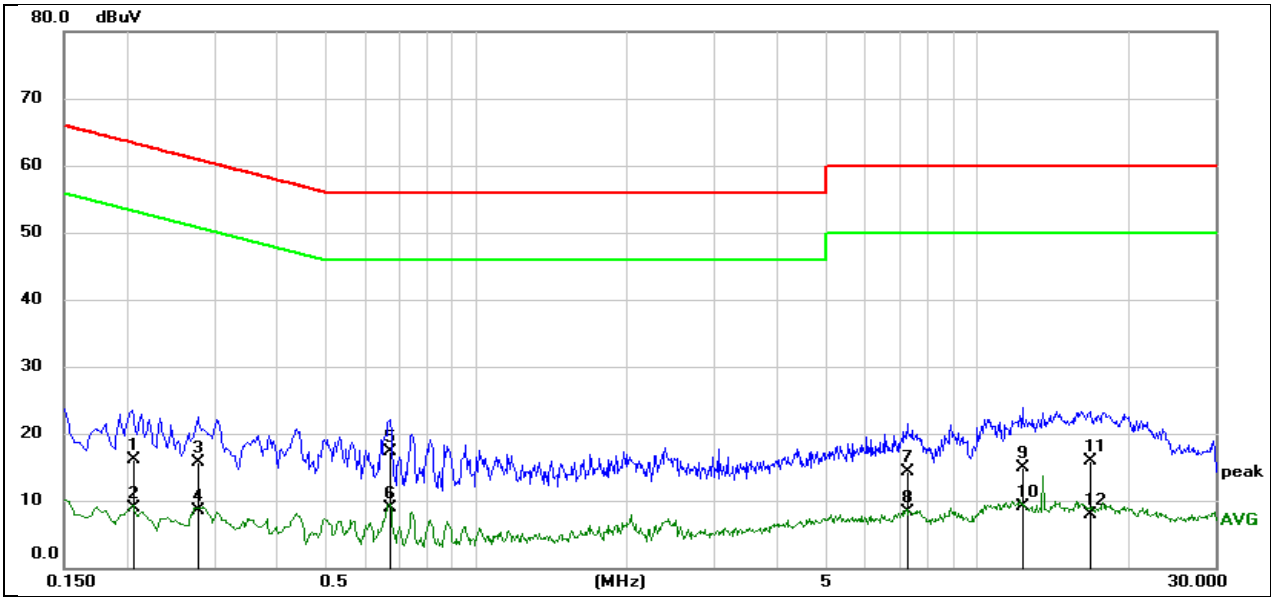
Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Line	L1	Test Voltage	AC 120 V/60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	-11.80	10.34	-1.46	66.00	-67.46	QP
2	0.1500	-15.87	10.34	-5.53	56.00	-61.53	AVG
3	0.2067	6.13	10.24	16.37	63.34	-46.97	QP
4	0.2067	-1.21	10.24	9.03	53.34	-44.31	AVG
5	0.2775	5.81	10.24	16.05	60.89	-44.84	QP
6	0.2775	-1.76	10.24	8.48	50.89	-42.41	AVG
7	2.3883	1.39	10.00	11.39	56.00	-44.61	QP
8	2.3883	-2.70	10.00	7.30	46.00	-38.70	AVG
9	7.2880	1.06	10.33	11.39	60.00	-48.61	QP
10	7.2880	-3.05	10.33	7.28	50.00	-42.72	AVG
11	21.4725	9.64	10.84	20.48	60.00	-39.52	QP
12	21.4725	-0.40	10.84	10.44	50.00	-39.56	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.

Test Mode:	SRD 10MHz	Frequency(MHz):	2407.5
Line	N	Test Voltage	AC 120 V/60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2076	6.03	10.14	16.17	63.30	-47.13	QP
2	0.2076	-1.20	10.14	8.94	53.30	-44.36	AVG
3	0.2771	5.53	10.11	15.64	60.90	-45.26	QP
4	0.2771	-1.64	10.11	8.47	50.90	-42.43	AVG
5	0.6722	7.23	10.03	17.26	56.00	-38.74	QP
6	0.6722	-1.21	10.03	8.82	46.00	-37.18	AVG
7	7.2864	3.88	10.43	14.31	60.00	-45.69	QP
8	7.2864	-2.17	10.43	8.26	50.00	-41.74	AVG
9	12.2832	4.46	10.52	14.98	60.00	-45.02	QP
10	12.2832	-1.46	10.52	9.06	50.00	-40.94	AVG
11	16.8444	5.06	10.75	15.81	60.00	-44.19	QP
12	16.8444	-2.87	10.75	7.88	50.00	-42.12	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.

10. 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

11. TEST DATA

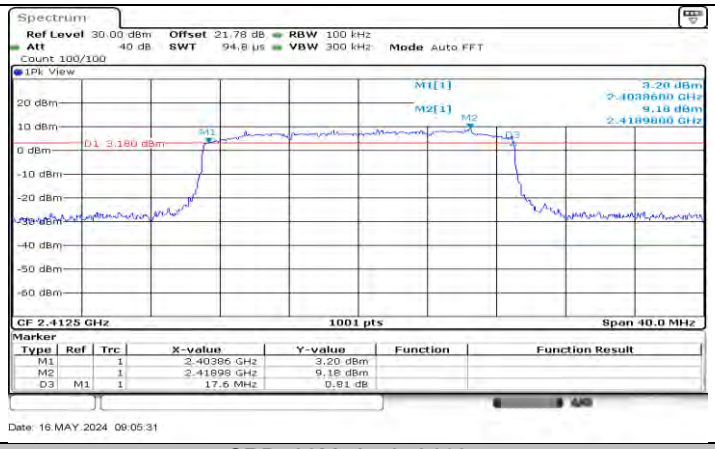
11.1. APPENDIX A: DTS BANDWIDTH

11.1.1. Test Result

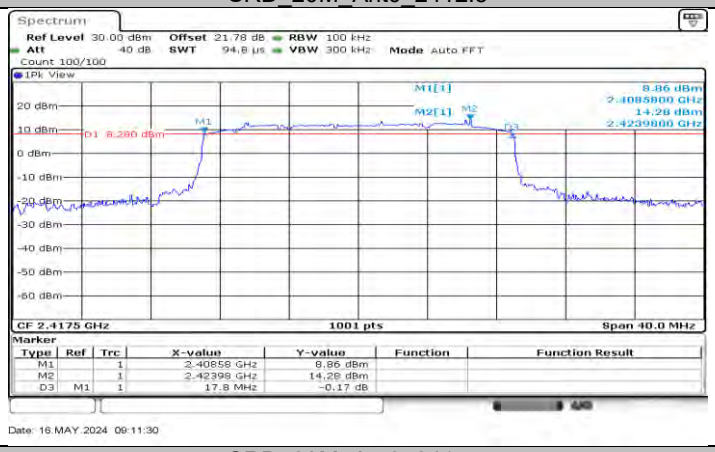
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD_20M	Ant0	2412.5	17.60	2403.86	2421.46	≥0.5	PASS
		2417.5	17.80	2408.58	2426.38	≥0.5	PASS
		2437.5	17.88	2428.58	2446.46	≥0.5	PASS
		2462.5	17.36	2453.54	2470.90	≥0.5	PASS
SRD_40M	Ant0	2422.5	20.72	2412.18	2432.90	≥0.5	PASS
		2437.5	20.80	2427.10	2447.90	≥0.5	PASS
		2452.5	20.32	2442.10	2462.42	≥0.5	PASS
SRD_10M	Ant0	2407.5	9.04	2402.98	2412.02	≥0.5	PASS
		2437.5	9.00	2432.98	2441.98	≥0.5	PASS
		2467.5	8.96	2462.98	2471.94	≥0.5	PASS
SRD_60M	Ant0	2432.5	39.84	2412.46	2452.30	≥0.5	PASS
		2437.5	39.84	2417.22	2457.06	≥0.5	PASS
		2442.5	41.76	2421.02	2462.78	≥0.5	PASS

Note: Both the two antennas had been tested, but only the worst data was recorded in the report.

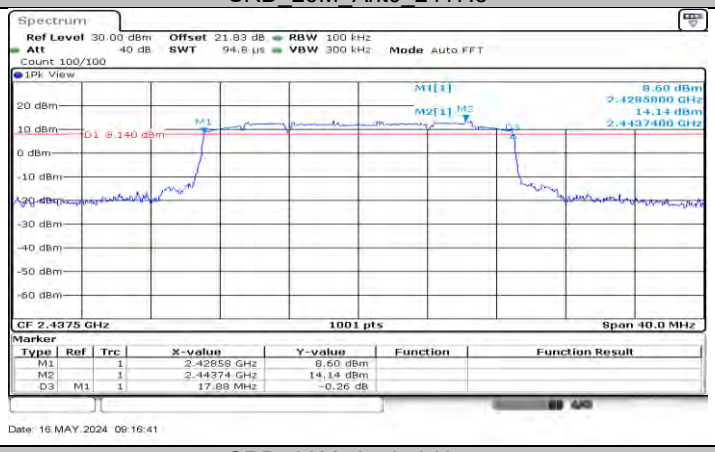
11.1.2. Test Graphs



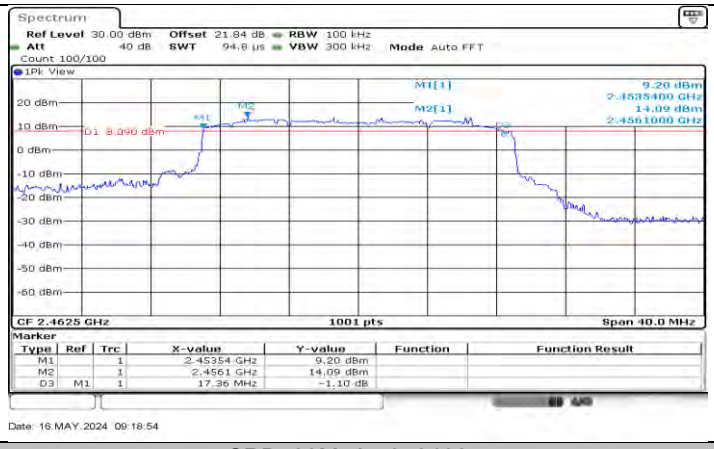
SRD_20M_Ant0_2412.5



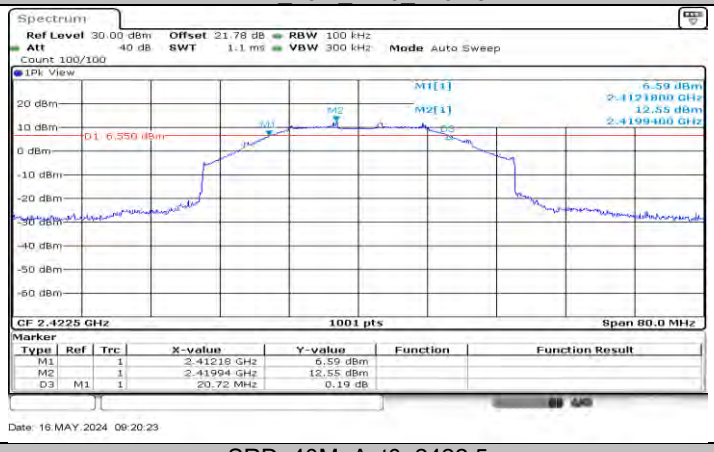
SRD_20M_Ant0_2417.5



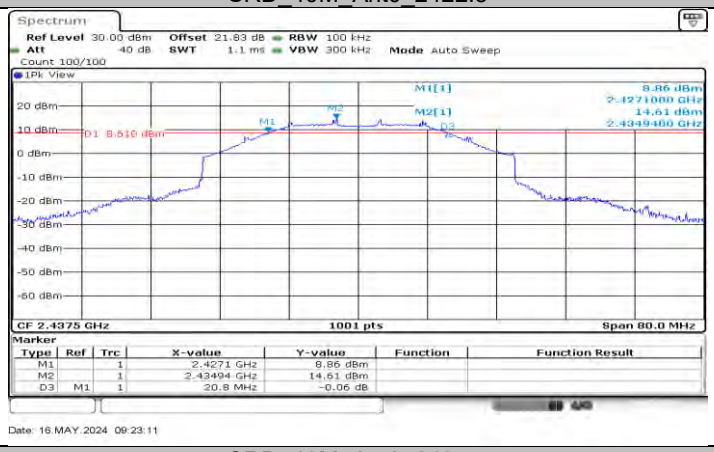
SRD_20M_Ant0_2437.5



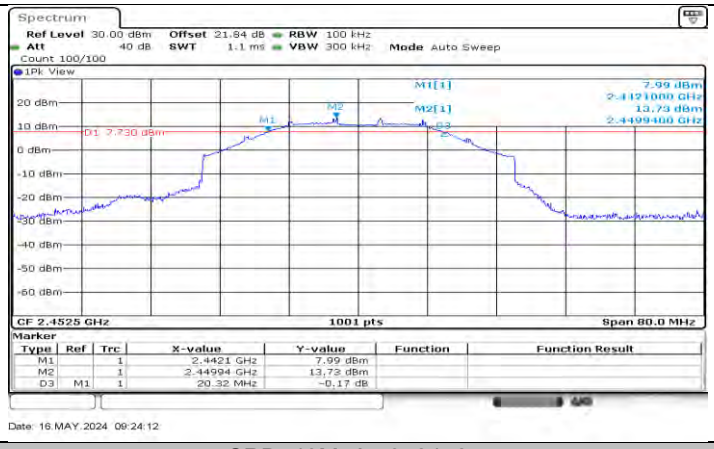
SRD_20M_Ant0_2462.5



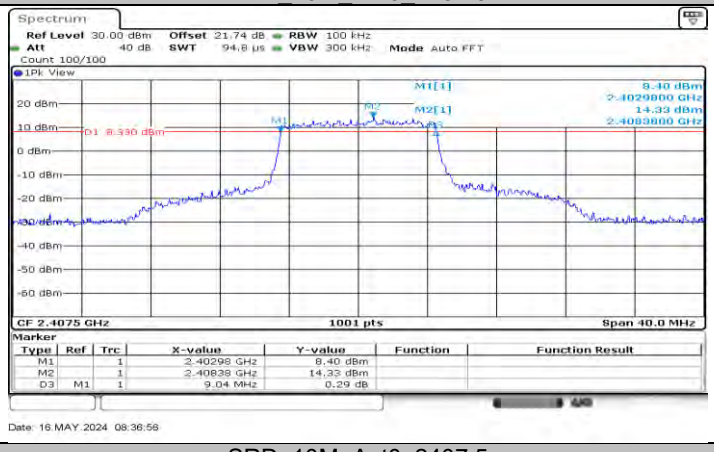
SRD_40M_Ant0_2422.5



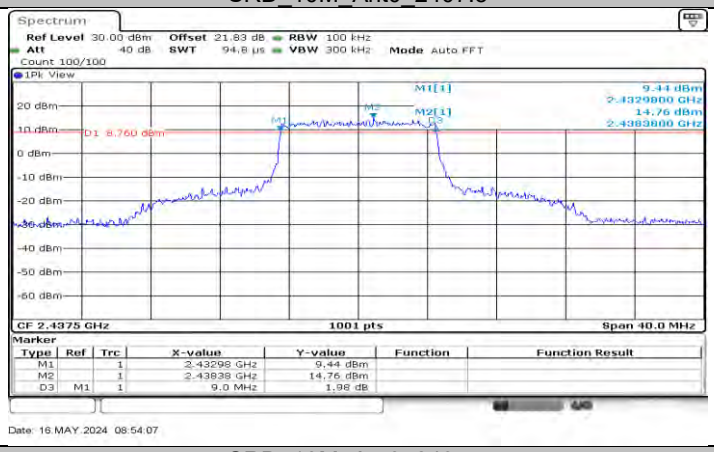
SRD_40M_Ant0_2437.5



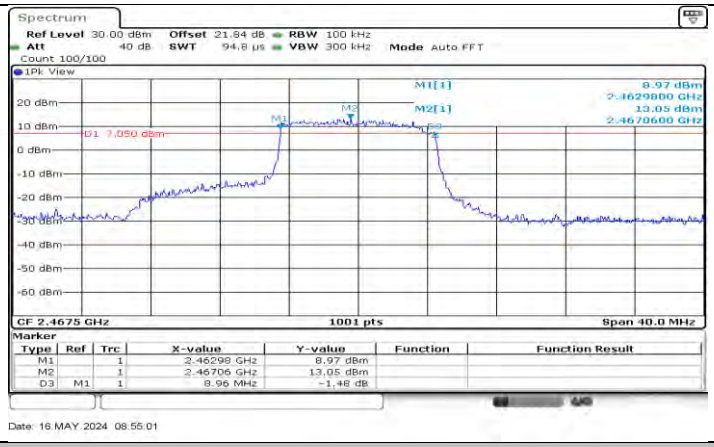
SRD_40M_Ant0_2452.5



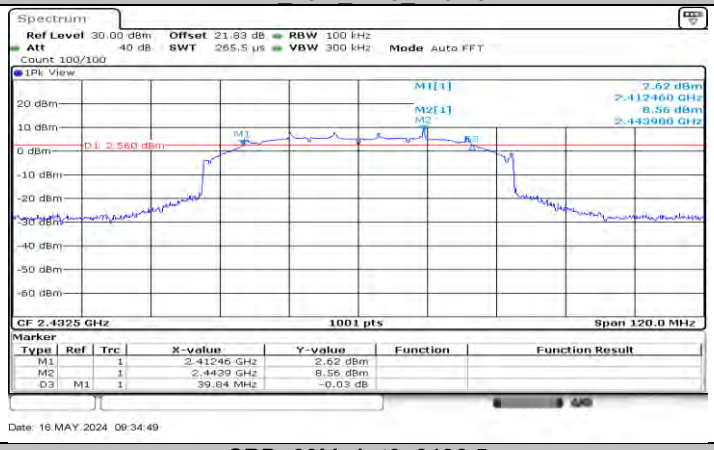
SRD_10M_Ant0_2407.5



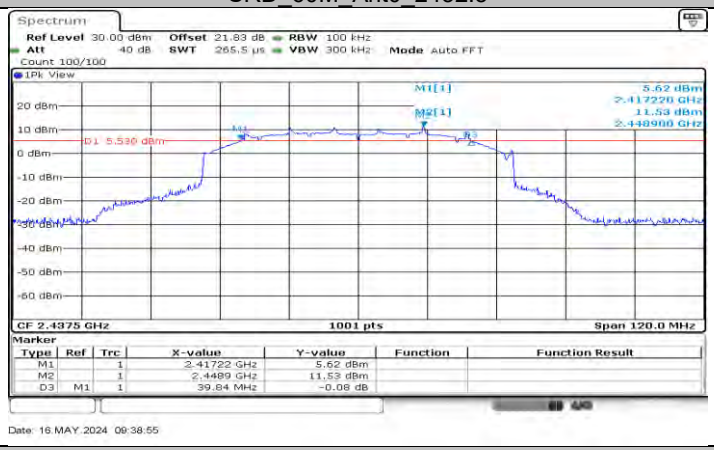
SRD_10M_Ant0_2437.5



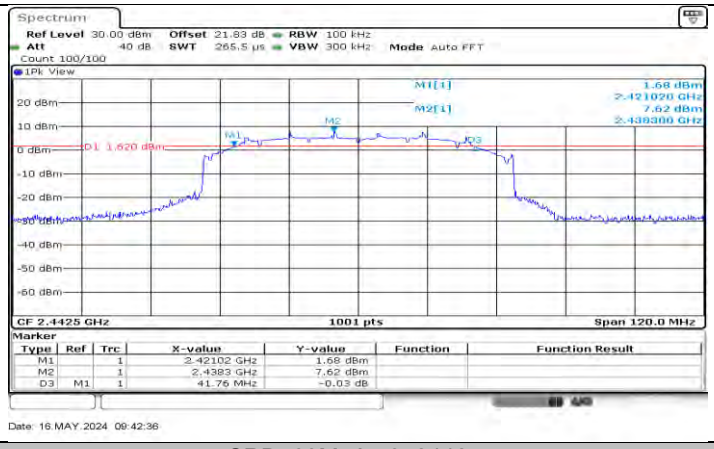
SRD_10M_Ant0_2467.5



SRD_60M_Ant0_2432.5



SRD_60M_Ant0_2437.5



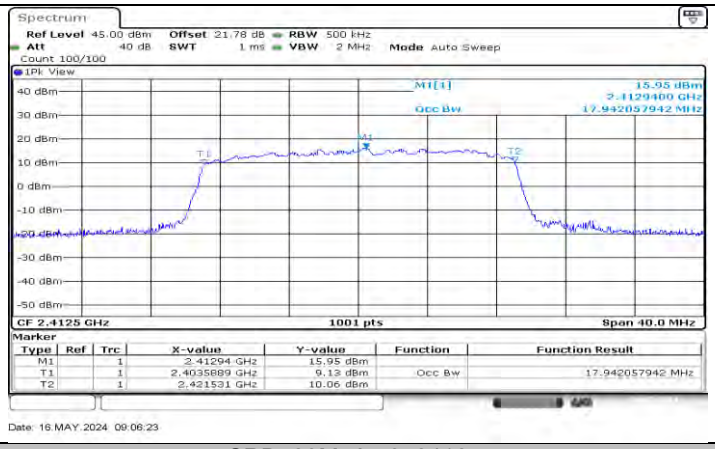
SRD_60M_Ant0_2442.5

11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

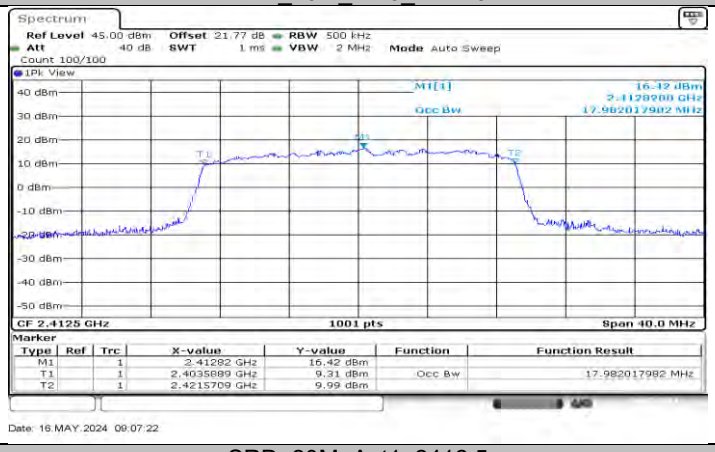
11.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
SRD_20M	Ant0	2412.5	17.942	2403.5889	2421.5310
	Ant1	2412.5	17.982	2403.5889	2421.5709
	Ant0	2417.5	17.982	2408.5490	2426.5310
	Ant1	2417.5	17.982	2408.5490	2426.5310
	Ant0	2437.5	18.022	2428.5090	2446.5310
	Ant1	2437.5	18.022	2428.5090	2446.5310
	Ant0	2462.5	17.982	2453.3891	2471.3711
	Ant1	2462.5	17.982	2453.3891	2471.3711
SRD_40M	Ant0	2422.5	31.808	2406.9955	2438.8037
	Ant1	2422.5	33.247	2406.4361	2439.6828
	Ant0	2437.5	33.966	2420.5569	2454.5230
	Ant1	2437.5	34.126	2420.4770	2454.6029
	Ant0	2452.5	33.327	2435.5569	2468.8836
	Ant1	2452.5	33.087	2435.5569	2468.6439
SRD_10M	Ant0	2407.5	9.071	2402.9845	2412.0554
	Ant1	2407.5	9.191	2402.9446	2412.1354
	Ant0	2437.5	9.031	2432.9845	2442.0155
	Ant1	2437.5	9.071	2432.9845	2442.0554
	Ant0	2467.5	8.951	2462.8646	2471.8157
	Ant1	2467.5	10.829	2460.7068	2471.5360
SRD_60M	Ant0	2432.5	52.028	2406.7258	2458.7537
	Ant1	2432.5	52.028	2406.7258	2458.7537
	Ant0	2437.5	52.747	2410.8866	2463.6339
	Ant1	2437.5	52.747	2411.0065	2463.7537
	Ant0	2442.5	52.268	2416.1264	2468.3941
	Ant1	2442.5	52.388	2416.0065	2468.3941

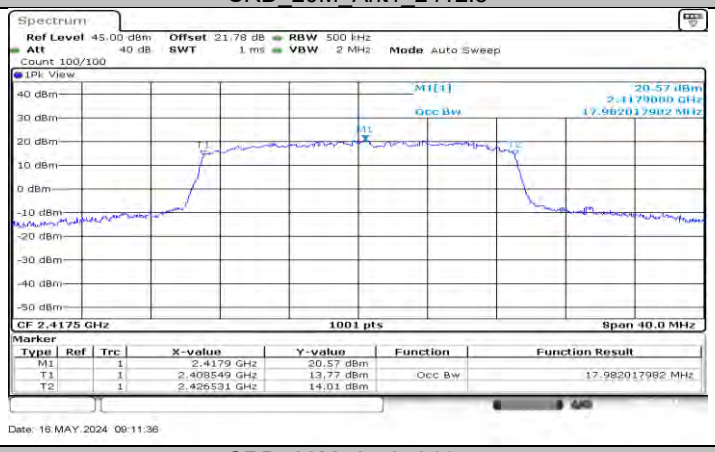
11.2.2. Test Graphs



SRD_20M_Ant0_2412.5



SRD_20M_Ant1_2412.5



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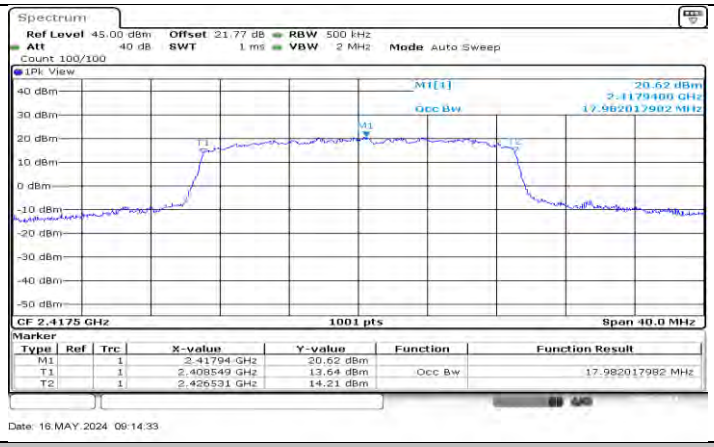
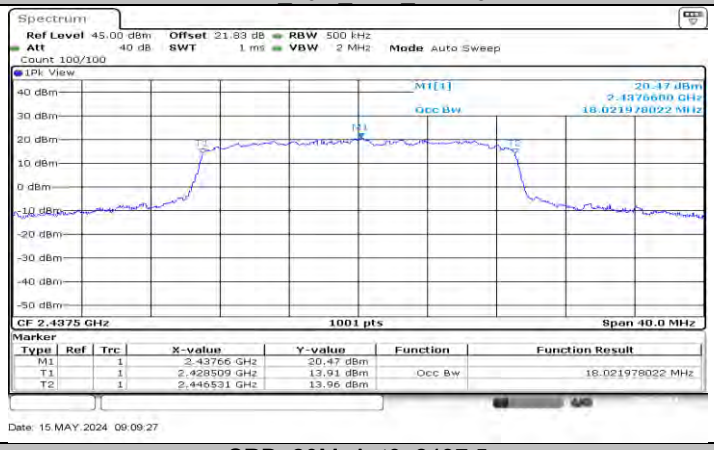
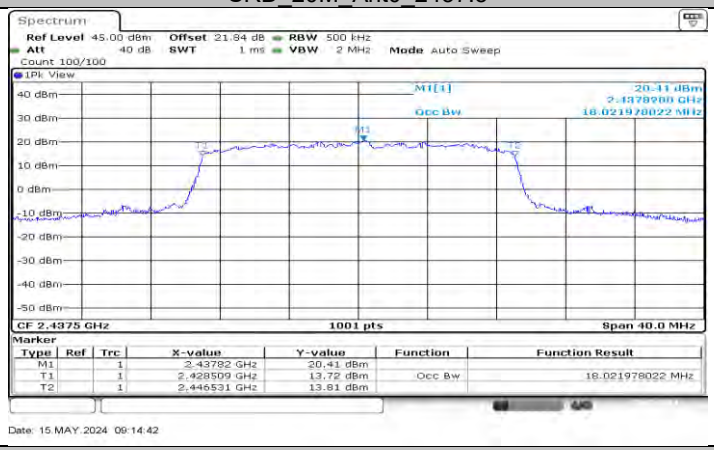


SRD_20M_Ant1_2417.5

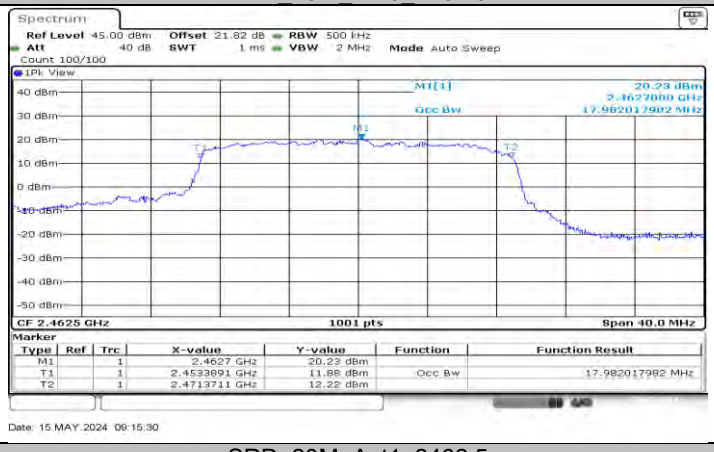


SRD_20M_Ant0_2437.5

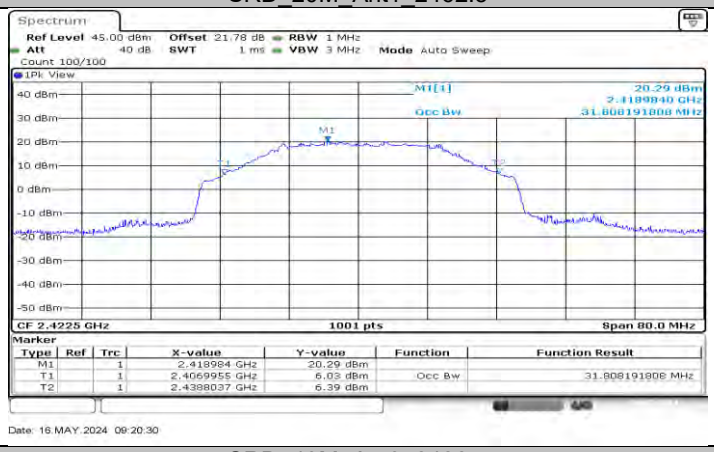


SRD_20M_Ant1_2437.5

SRD_20M_Ant0_2462.5

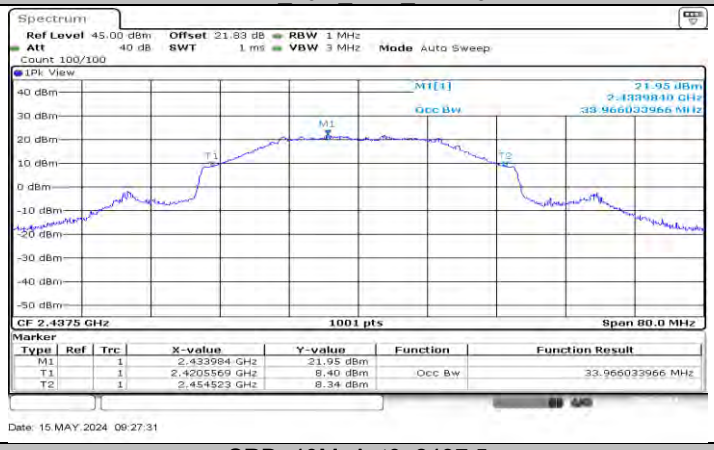


SRD_20M_Ant1_2462.5



SRD_40M_Ant0_2422.5

SRD_40M_Ant1_2422.5



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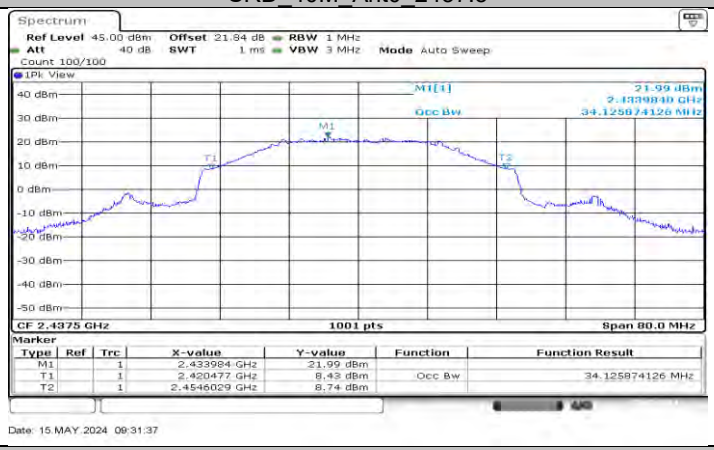
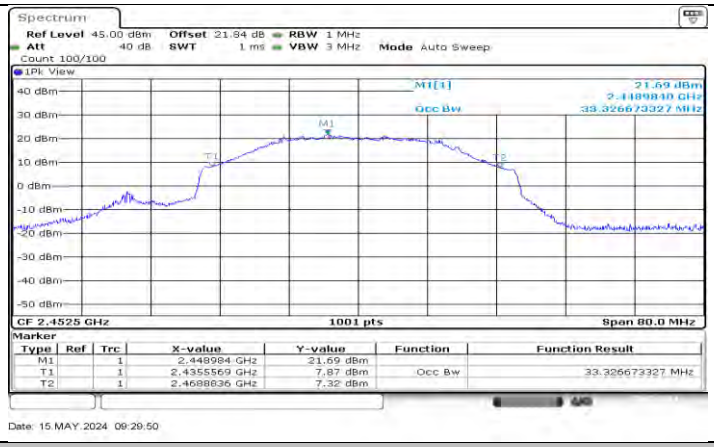
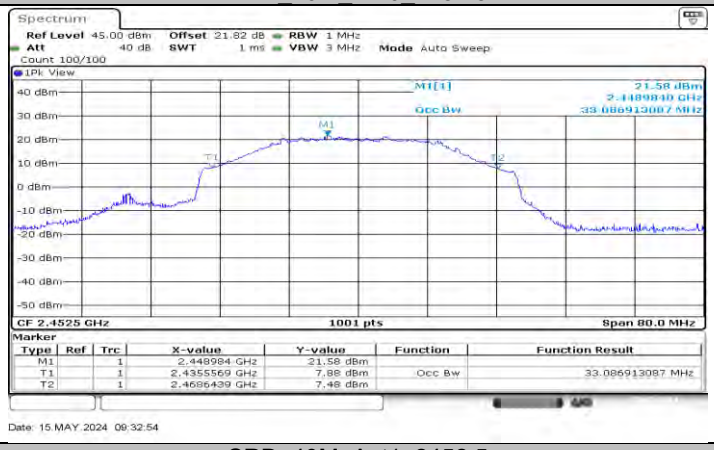


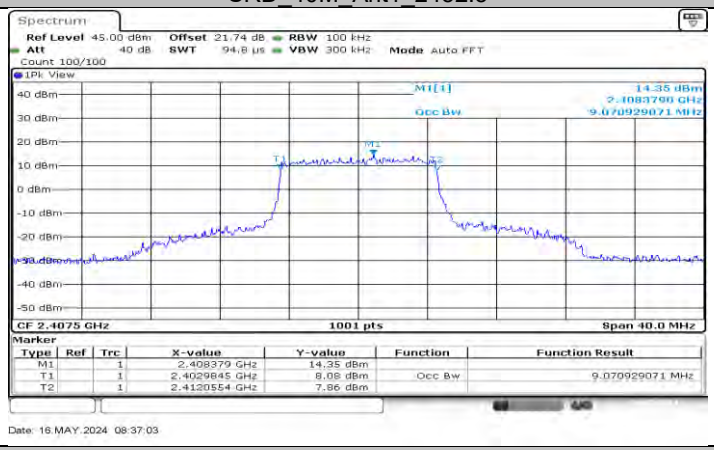
SRD_40M_Ant1_2437.5



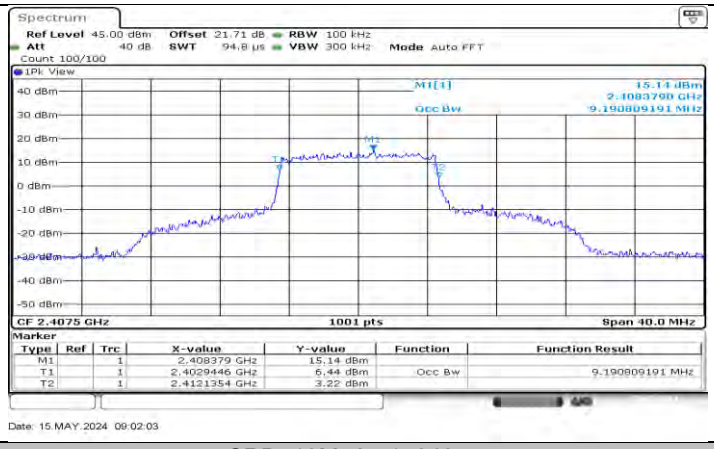
SRD_40M_Ant0_2452.5



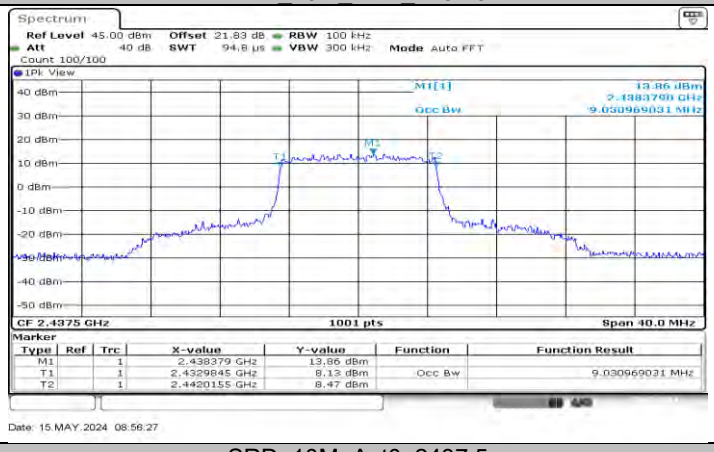
SRD_40M_Ant1_2452.5



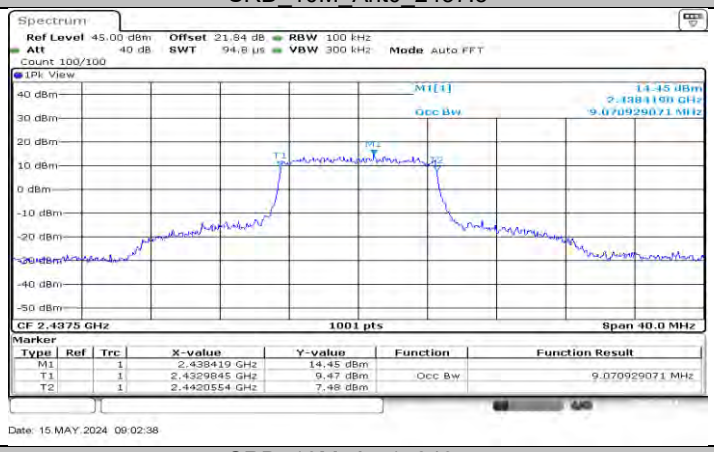
SRD_10M_Ant0_2407.5



SRD_10M_Ant1_2407.5



SRD_10M_Ant0_2437.5

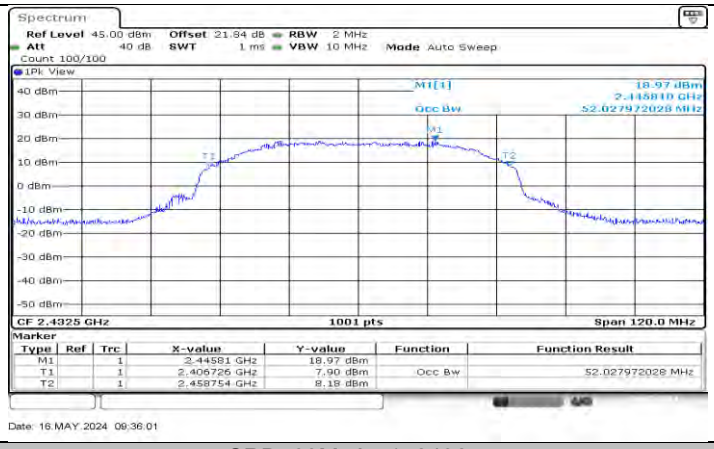


SRD_10M_Ant1_2437.5

SRD_10M_Ant0_2467.5

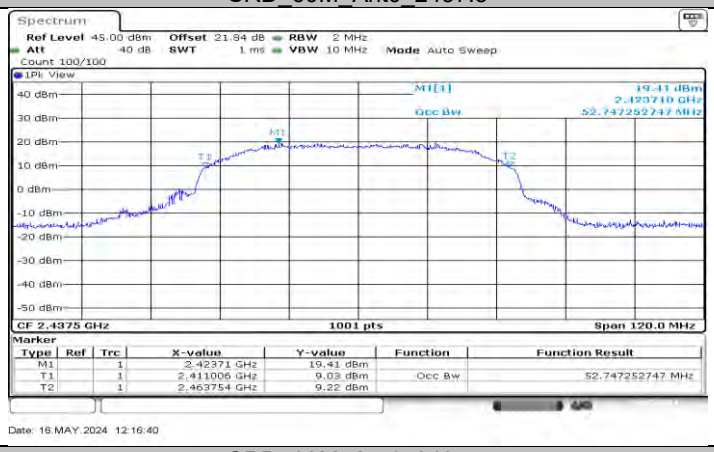
SRD_10M_Ant1_2467.5

SRD_60M_Ant0_2432.5

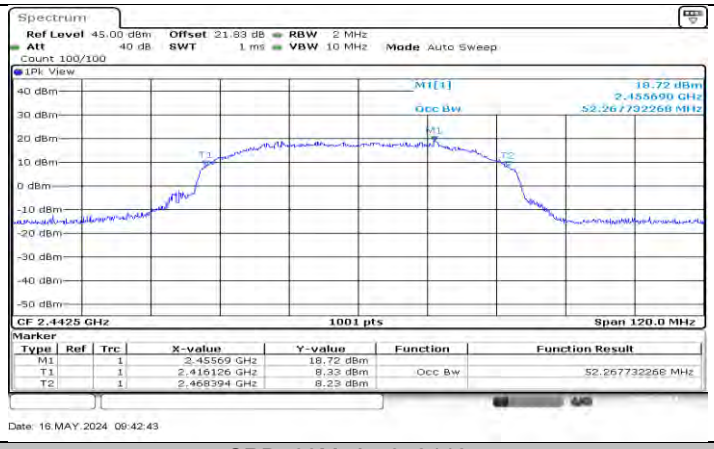


SRD_60M_Ant1_2432.5

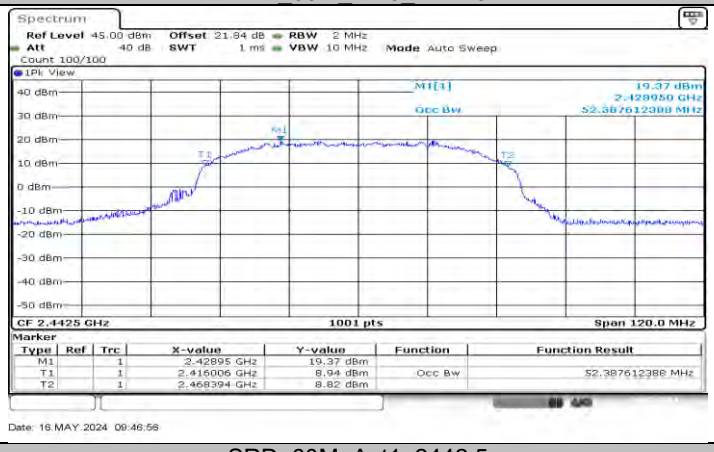
SRD_60M_Ant0_2437.5



SRD_60M_Ant1_2437.5



SRD_60M_Ant0_2442.5



SRD_60M_Ant1_2442.5

11.3. APPENDIX C: MAXIMUM AVERAGE CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
SRD_20M	Ant0	2412.5	19.72	≤30.00	PASS
	Ant1	2412.5	19.89	≤30.00	PASS
	Ant0	2413.5	22.36	≤30.00	PASS
	Ant1	2413.5	22.73	≤30.00	PASS
	Ant0	2414.5	23.58	≤30.00	PASS
	Ant1	2414.5	23.52	≤30.00	PASS
	Ant0	2415.5	23.87	≤30.00	PASS
	Ant1	2415.5	24.30	≤30.00	PASS
	Ant0	2417.5	24.35	≤30.00	PASS
	Ant1	2417.5	24.41	≤30.00	PASS
	Ant0	2437.5	24.37	≤30.00	PASS
	Ant1	2437.5	24.12	≤30.00	PASS
	Ant0	2462.5	24.01	≤30.00	PASS
	Ant1	2462.5	24.06	≤30.00	PASS
SRD_40M	Ant0	2422.5	22.47	≤30.00	PASS
	Ant1	2422.5	22.36	≤30.00	PASS
	Ant0	2423.5	23.74	≤30.00	PASS
	Ant1	2423.5	23.88	≤30.00	PASS
	Ant0	2437.5	24.29	≤30.00	PASS
	Ant1	2437.5	24.32	≤30.00	PASS
	Ant0	2452.5	23.74	≤30.00	PASS
	Ant1	2452.5	23.72	≤30.00	PASS
SRD_10M	Ant0	2407.5	23.28	≤30.00	PASS
	Ant1	2407.5	23.21	≤30.00	PASS
	Ant0	2437.5	23.80	≤30.00	PASS
	Ant1	2437.5	23.81	≤30.00	PASS
	Ant0	2467.5	23.20	≤30.00	PASS
	Ant1	2467.5	23.02	≤30.00	PASS
SRD_60M	Ant0	2432.5	21.16	≤30.00	PASS
	Ant1	2432.5	21.07	≤30.00	PASS
	Ant0	2433.5	22.79	≤30.00	PASS
	Ant1	2433.5	22.87	≤30.00	PASS
	Ant0	2437.5	23.81	≤30.00	PASS
	Ant1	2437.5	23.63	≤30.00	PASS
	Ant0	2440.5	23.00	≤30.00	PASS
	Ant1	2440.5	22.59	≤30.00	PASS
	Ant0	2441.5	21.37	≤30.00	PASS
	Ant1	2441.5	21.25	≤30.00	PASS
	Ant0	2442.5	20.42	≤30.00	PASS
	Ant1	2442.5	21.07	≤30.00	PASS

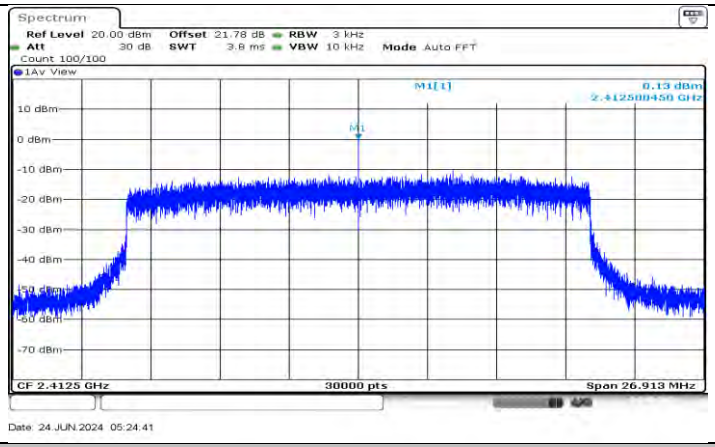
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

11.4.1. Test Result

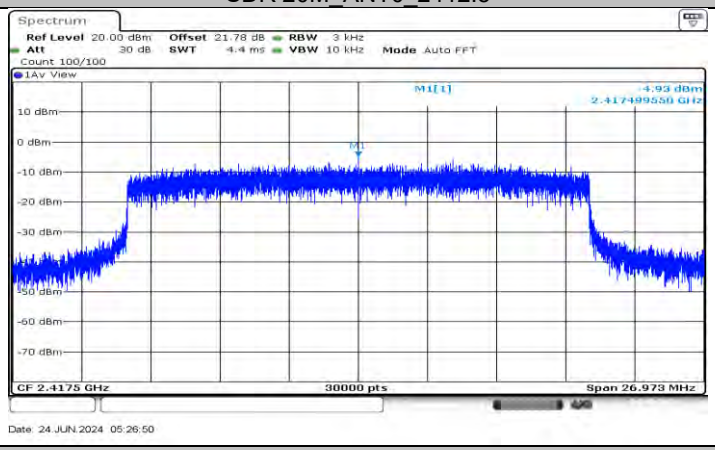
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SDR 20M	Ant0	2412.5	0.13	≤8.00	PASS
		2417.5	-4.93	≤8.00	PASS
		2437.5	-4.96	≤8.00	PASS
		2462.5	1.76	≤8.00	PASS
SDR 40M	Ant0	2423.5	2.59	≤8.00	PASS
		2437.5	3.02	≤8.00	PASS
		2452.5	-1.04	≤8.00	PASS
SDR 10M	Ant0	2407.5	5.69	≤8.00	PASS
		2437.5	6.71	≤8.00	PASS
		2467.5	6.39	≤8.00	PASS
SDR 60M	Ant0	2432.5	-4.16	≤8.00	PASS
		2437.5	-3.89	≤8.00	PASS
		2442.5	-5.16	≤8.00	PASS

Note: Both the two antennas had been tested, but only the worst data was recorded in the report.

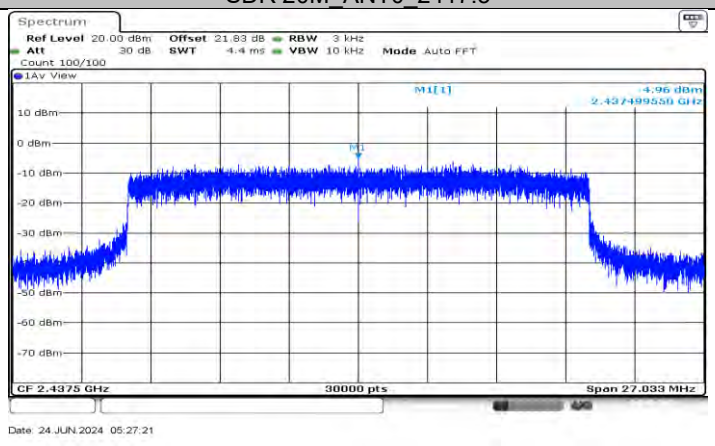
11.4.1. Test Graphs



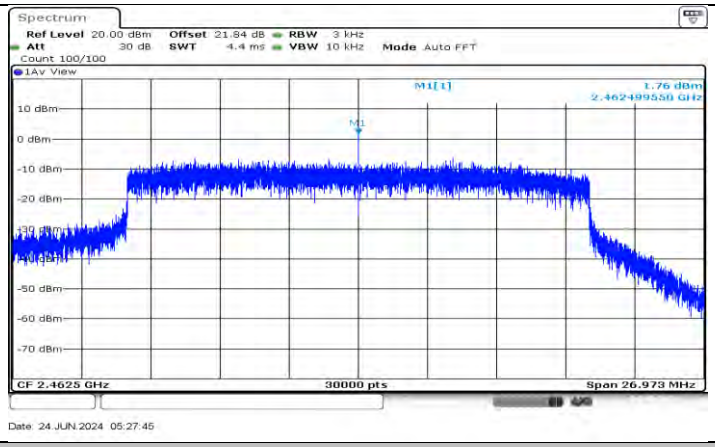
SDR 20M_ANT0_2412.5



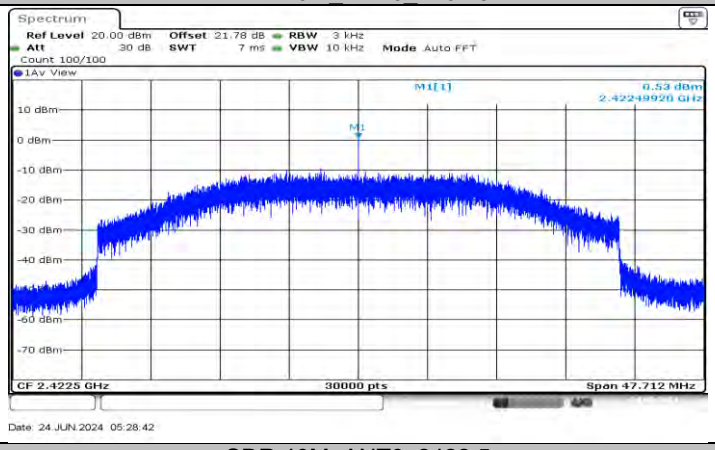
SDR 20M_ANT0_2417.5



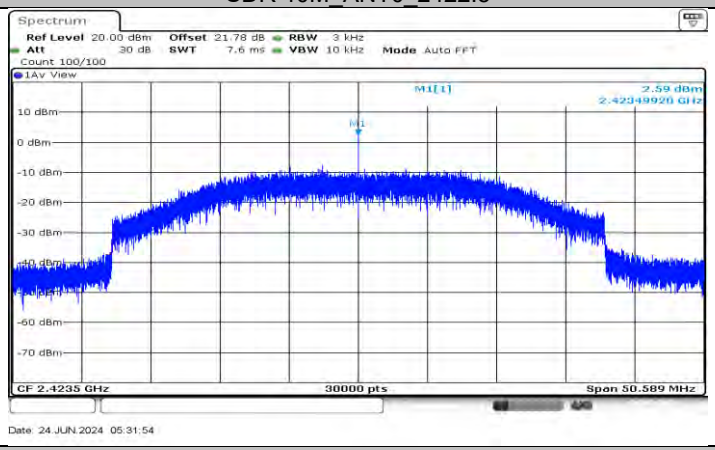
SDR 20M_ANT0_2437.5



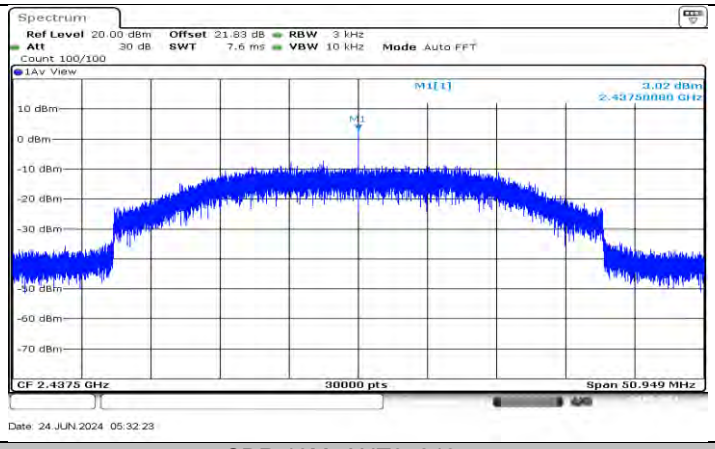
SDR 20M_ANT0_2462.5



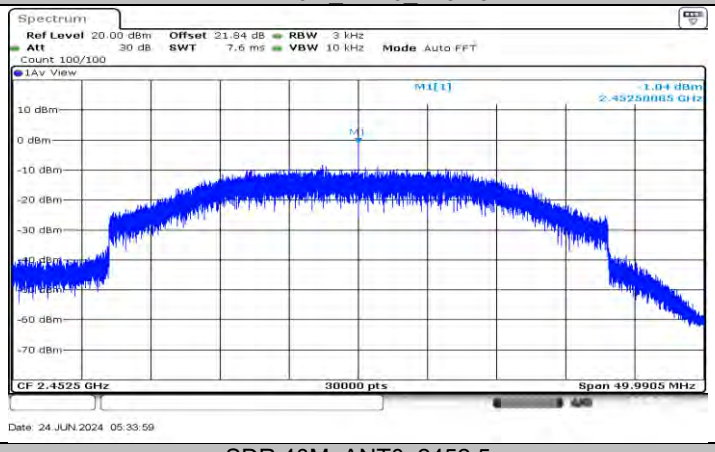
SDR 40M_ANT0_2422.5



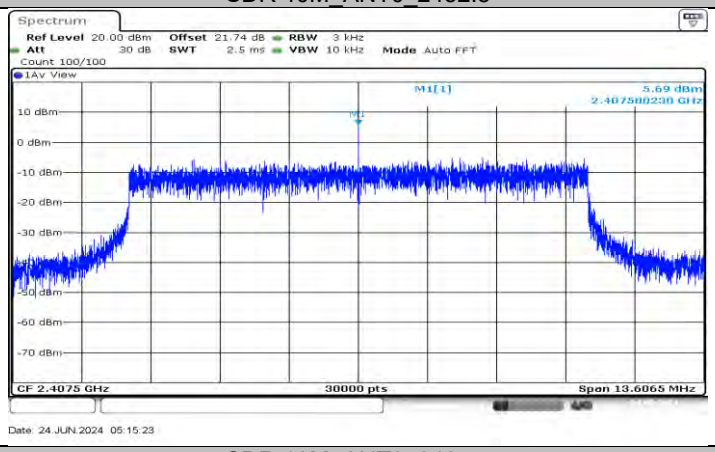
SDR 40M_ANT0_2423.5



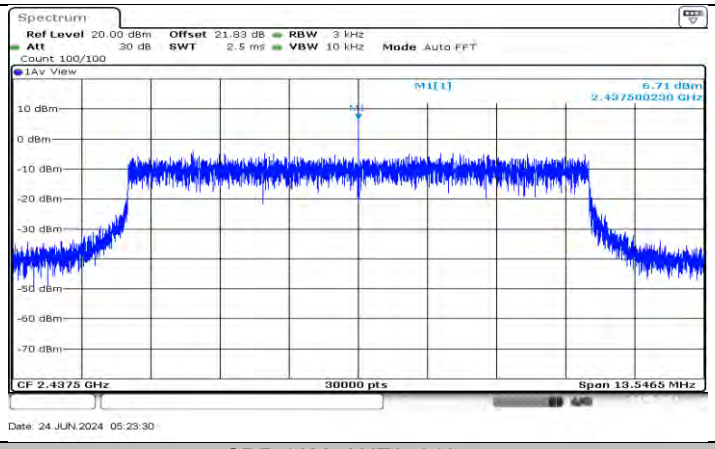
SDR 40M_ANT0_2437.5



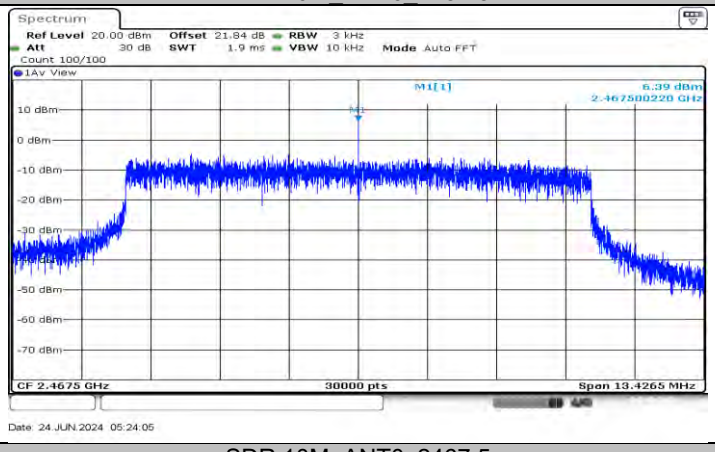
SDR 40M_ANT0_2452.5



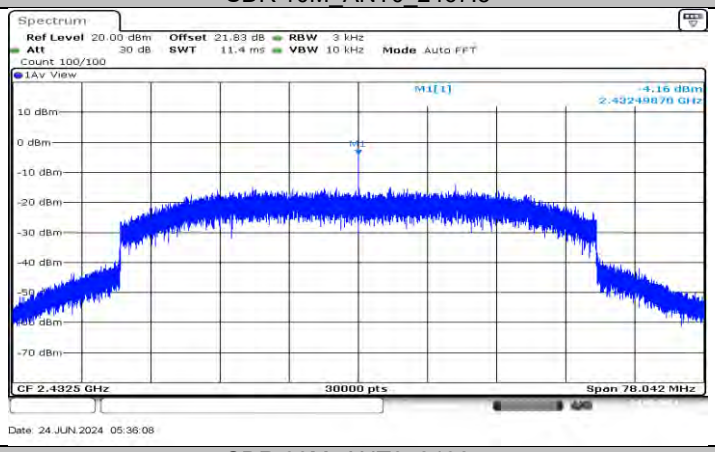
SDR 10M_ANT0_2407.5



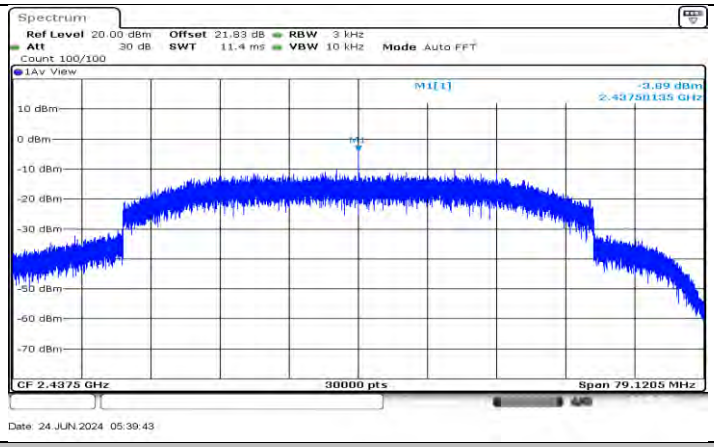
SDR 10M_ANT0_2437.5



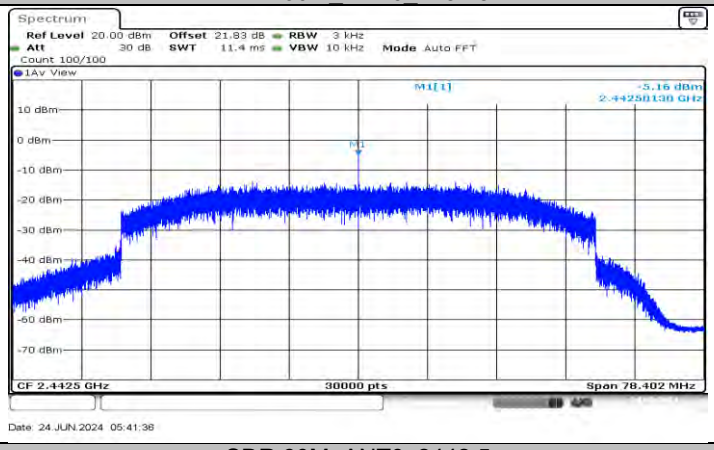
SDR 10M_ANT0_2467.5



SDR 60M_ANT0_2432.5



SDR 60M_ANT0_2437.5



SDR 60M_ANT0_2442.5

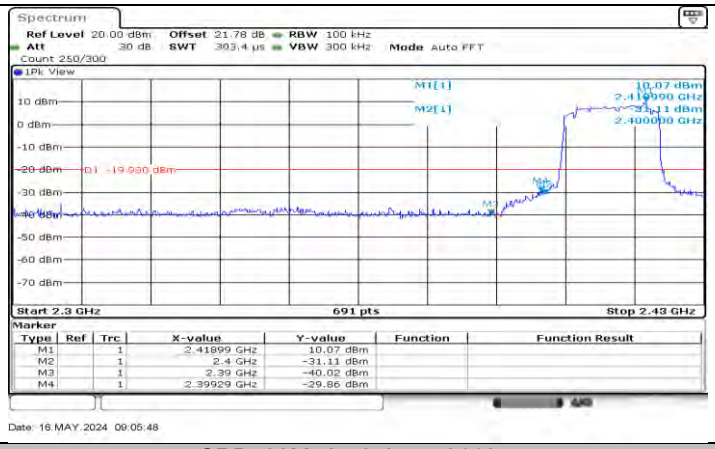
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

11.5.1. Test Result

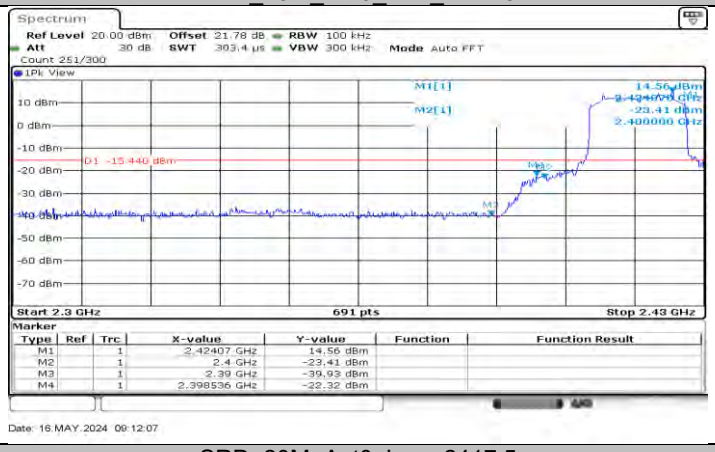
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD_20M	Ant0	Low	2412.5	10.07	-29.86	≤-19.93	PASS
			2417.5	14.56	-22.32	≤-15.44	PASS
		High	2462.5	13.83	-36.58	≤-16.17	PASS
SRD_40M	Ant0	Low	2422.5	12.38	-29.23	≤-17.62	PASS
		High	2452.5	12.91	-35.88	≤-17.09	PASS
SRD_10M	Ant0	Low	2407.5	14.00	-16.03	≤-16	PASS
		High	2467.5	13.25	-36.22	≤-16.75	PASS
SRD_60M	Ant0	Low	2432.5	7.66	-24.03	≤-22.34	PASS
		High	2442.5	7.32	-36.39	≤-22.68	PASS

Note: Both the two antennas had been tested, but only the worst data was recorded in the report.

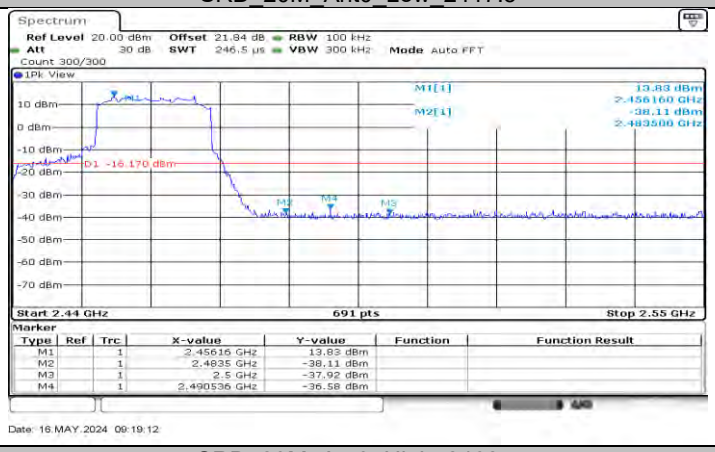
11.5.2. Test Graphs



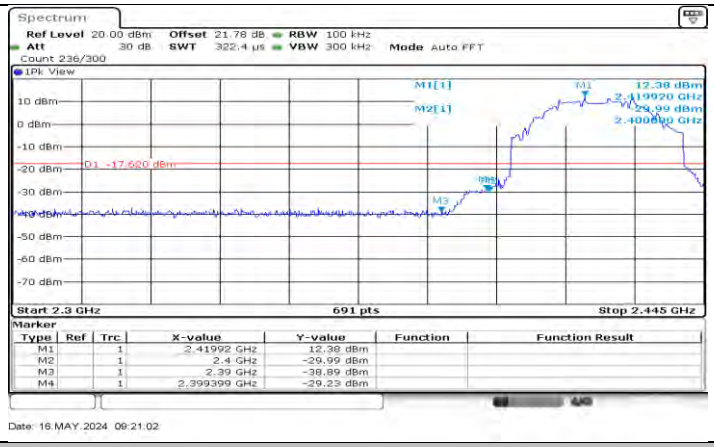
SRD_20M_Ant0_Low_2412.5



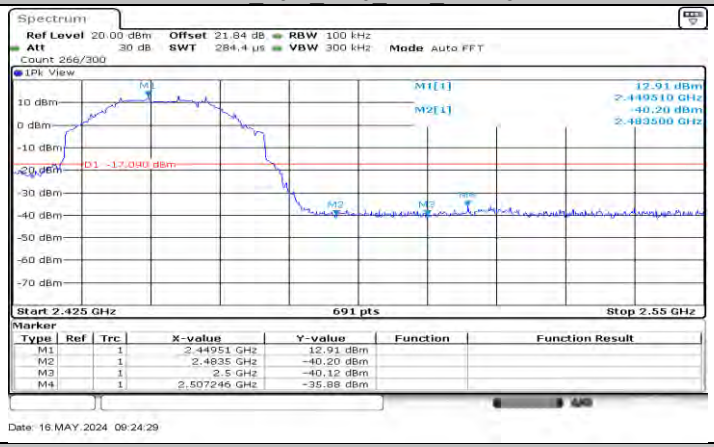
SRD_20M_Ant0_Low_2417.5



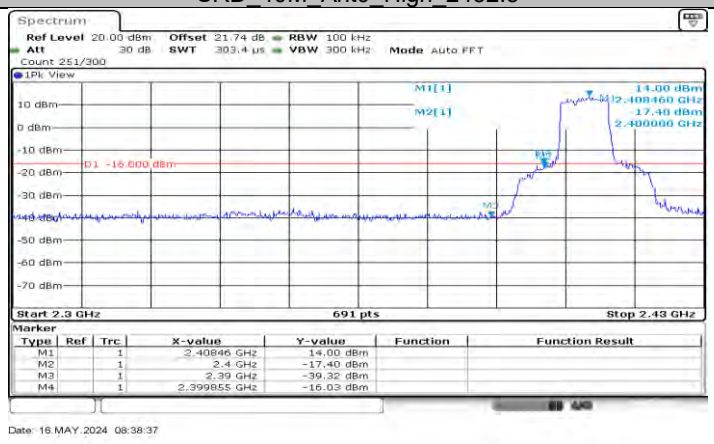
SRD_20M_Ant0_High_2462.5



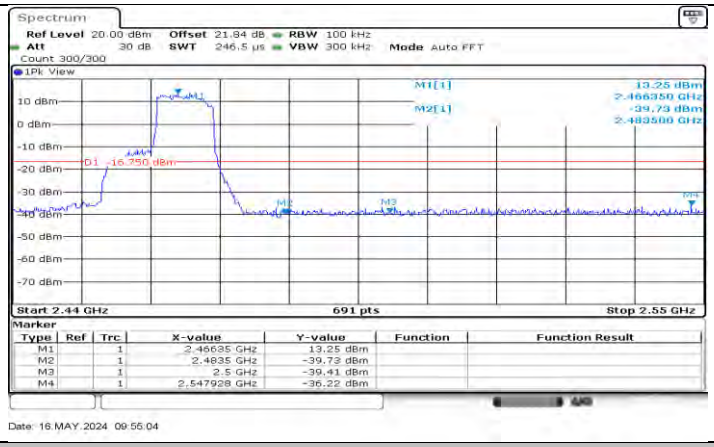
SRD_40M_Ant0_Low_2422.5



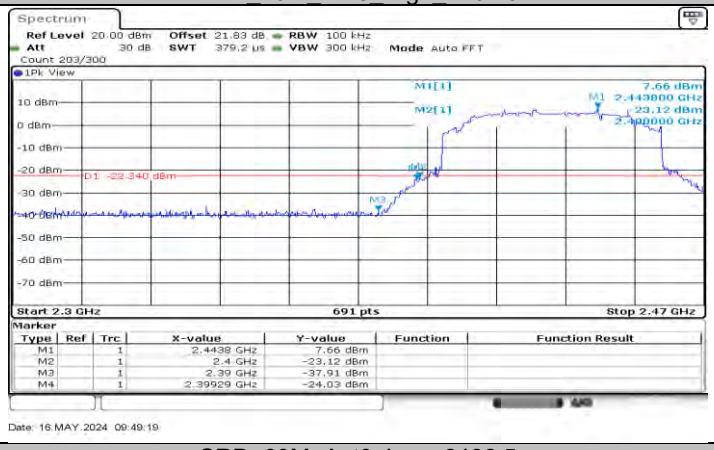
SRD_40M_Ant0_High_2452.5



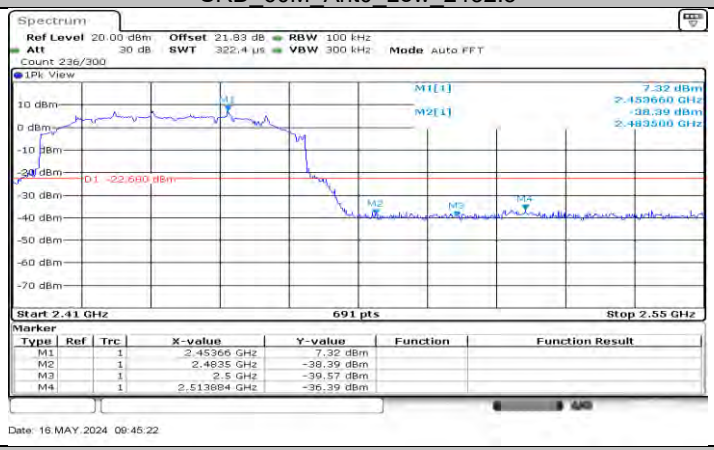
SRD_10M_Ant0_Low_2407.5



SRD_10M_Ant0_High_2467.5



SRD_60M_Ant0_Low_2432.5



SRD_60M_Ant0_High_2442.5

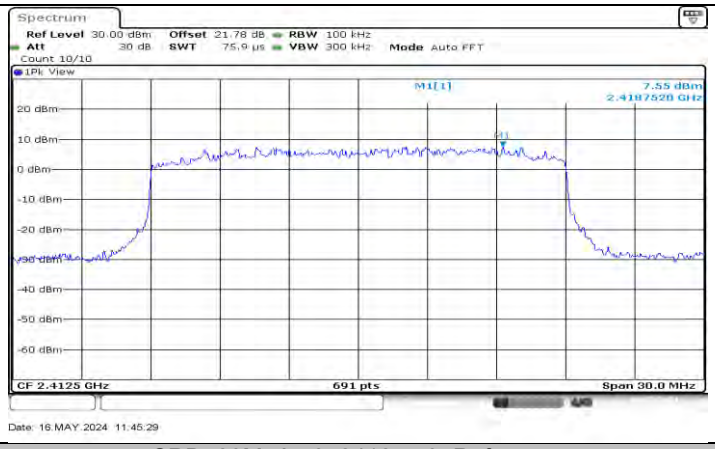
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

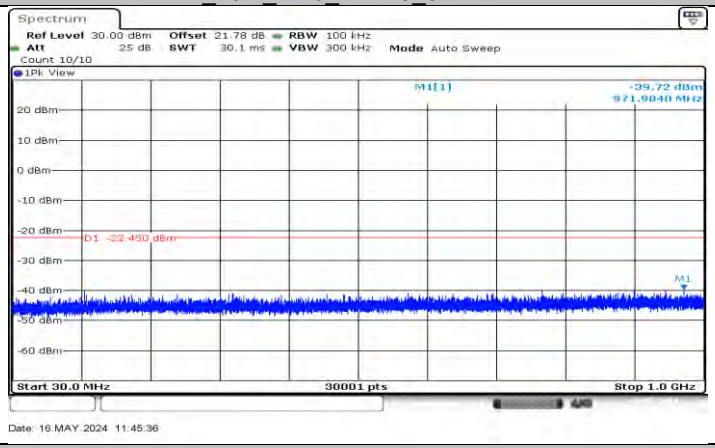
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
SRD_20M	Ant0	2412.5	Reference	7.55	---	PASS
			30~1000	-39.72	≤-22.45	PASS
			1000~26500	-40.7	≤-22.45	PASS
		2417.5	Reference	12.69	---	PASS
			30~1000	-39.81	≤-17.31	PASS
			1000~26500	-40.75	≤-17.31	PASS
		2437.5	Reference	12.83	---	PASS
			30~1000	-39.91	≤-17.17	PASS
			1000~26500	-39.63	≤-17.17	PASS
		2462.5	Reference	13.14	---	PASS
			30~1000	-40.06	≤-16.86	PASS
			1000~26500	-40.63	≤-16.86	PASS
SRD_40M	Ant0	2422.5	Reference	10.57	---	PASS
			30~1000	-39.73	≤-19.43	PASS
			1000~26500	-40.32	≤-19.43	PASS
		2437.5	Reference	12.55	---	PASS
			30~1000	-40.42	≤-17.45	PASS
			1000~26500	-40.77	≤-17.45	PASS
		2452.5	Reference	12.13	---	PASS
			30~1000	-40.34	≤-17.87	PASS
			1000~26500	-40.37	≤-17.87	PASS
SRD_10M	Ant0	2407.5	Reference	13.65	---	PASS
			30~1000	-40.15	≤-16.35	PASS
			1000~26500	-39.9	≤-16.35	PASS
		2437.5	Reference	15.28	---	PASS
			30~1000	-39.4	≤-14.72	PASS
			1000~26500	-40.51	≤-14.72	PASS
		2467.5	Reference	15.01	---	PASS
			30~1000	-39.43	≤-14.99	PASS
			1000~26500	-40.67	≤-14.99	PASS
SRD_60M	Ant0	2432.5	Reference	7.26	---	PASS
			30~1000	-40.34	≤-22.74	PASS
			1000~26500	-41.13	≤-22.74	PASS
		2437.5	Reference	8.27	---	PASS
			30~1000	-40.32	≤-21.73	PASS
			1000~26500	-40.3	≤-21.73	PASS
		2442.5	Reference	7.84	---	PASS
			30~1000	-40.01	≤-22.16	PASS
			1000~26500	-40.55	≤-22.16	PASS

Note: Both the two antennas had been tested, but only the worst data was recorded in the report.

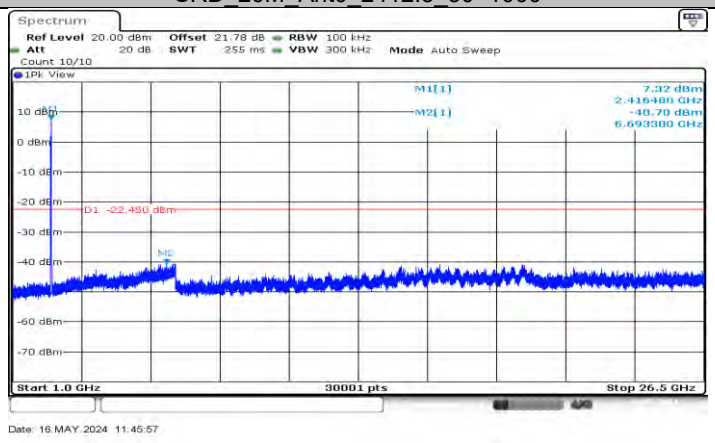
11.6.2. Test Graphs



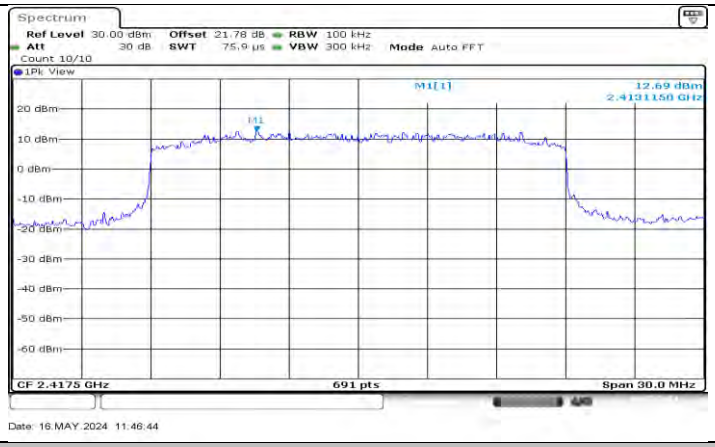
SRD_20M_Ant0_2412.5_0~Reference



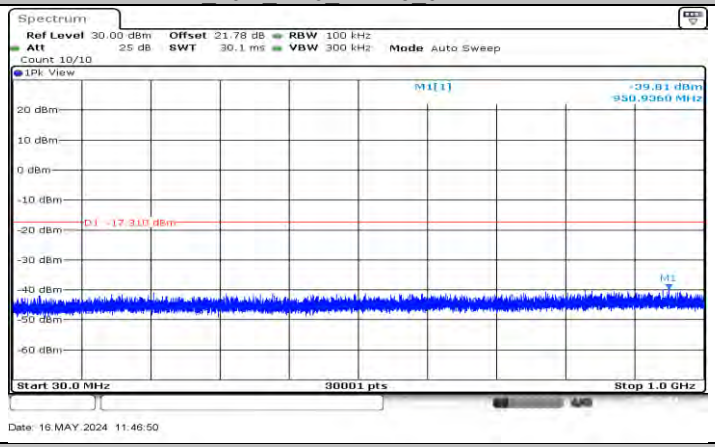
SRD_20M_Ant0_2412.5_30~1000



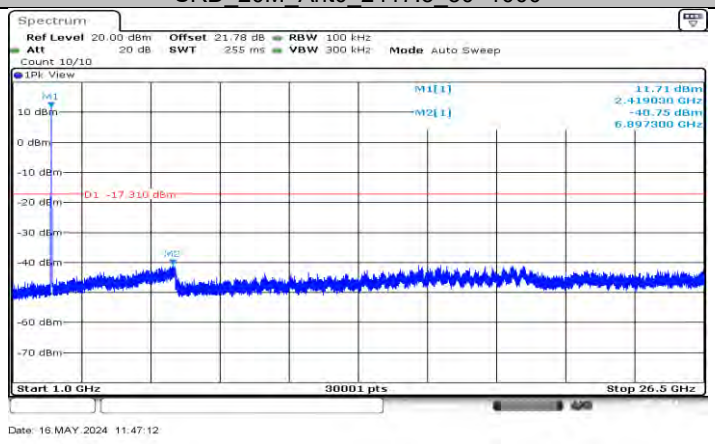
SRD_20M_Ant0_2412.5_1000~26500



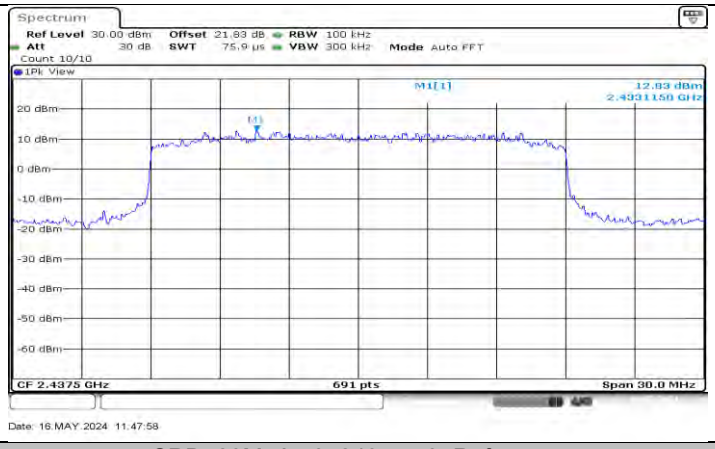
SRD_20M_Ant0_2417.5_0~Reference



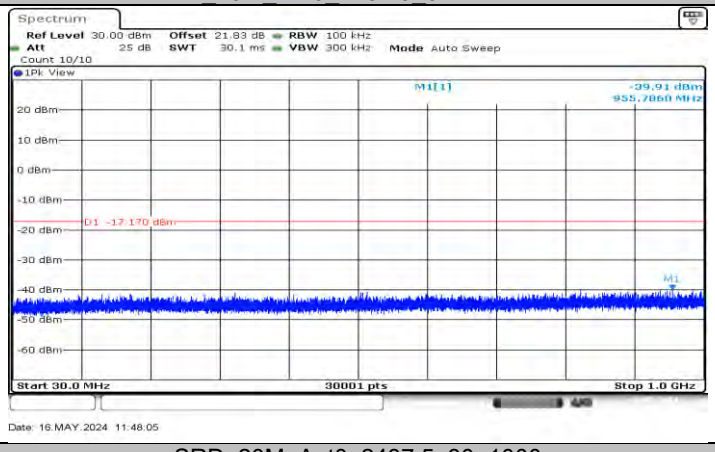
SRD_20M_Ant0_2417.5_30~1000



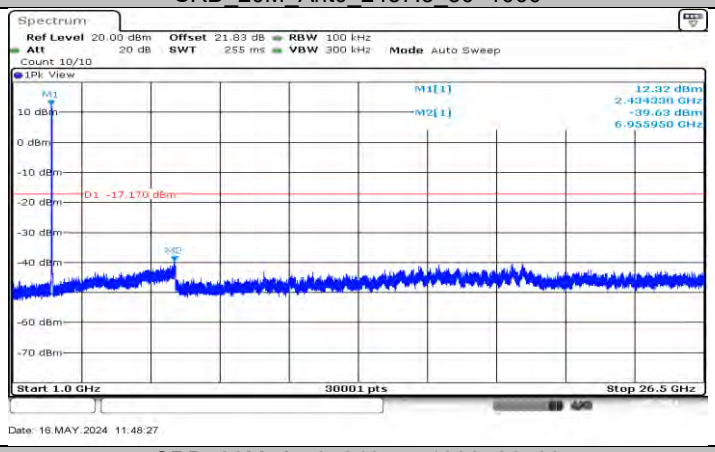
SRD_20M_Ant0_2417.5_1000~26500



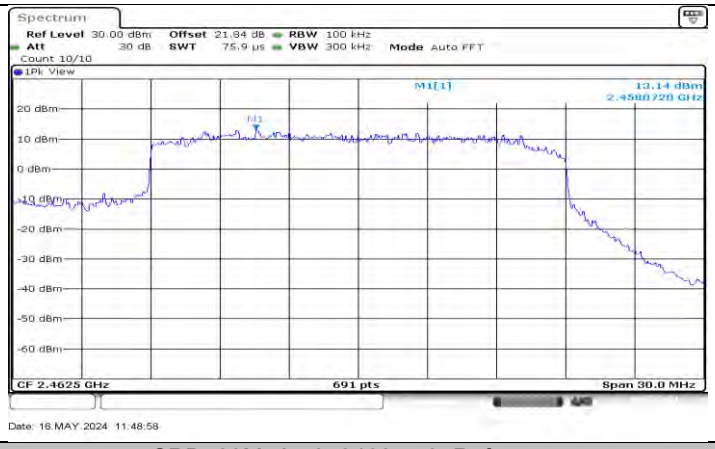
SRD_20M_Ant0_2437.5_0~Reference



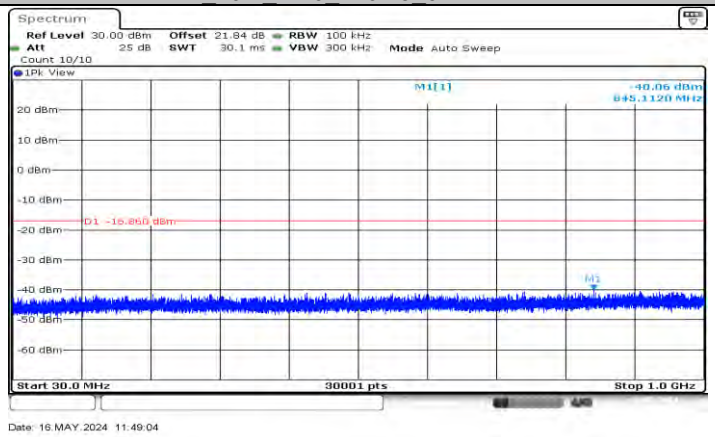
SRD_20M_Ant0_2437.5_30~1000



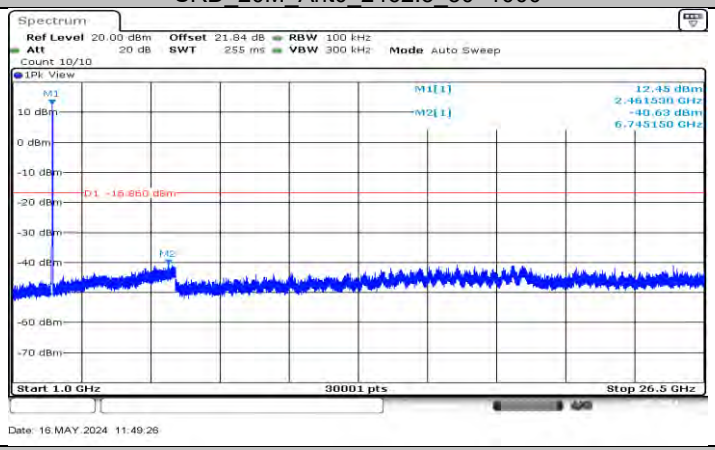
SRD_20M_Ant0_2437.5_1000~26500



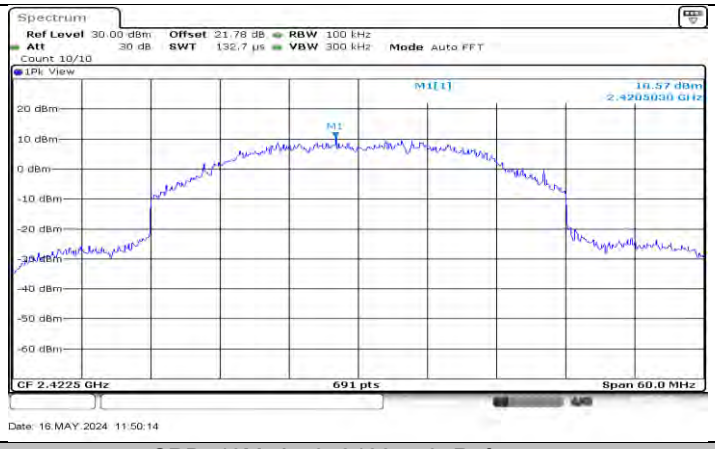
SRD_20M_Ant0_2462.5_0~Reference



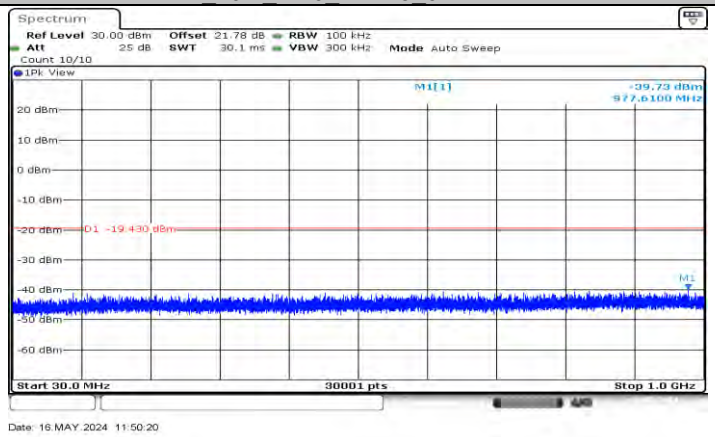
SRD_20M_Ant0_2462.5_30~1000



SRD_20M_Ant0_2462.5_1000~26500



SRD_40M_Ant0_2422.5_0~Reference



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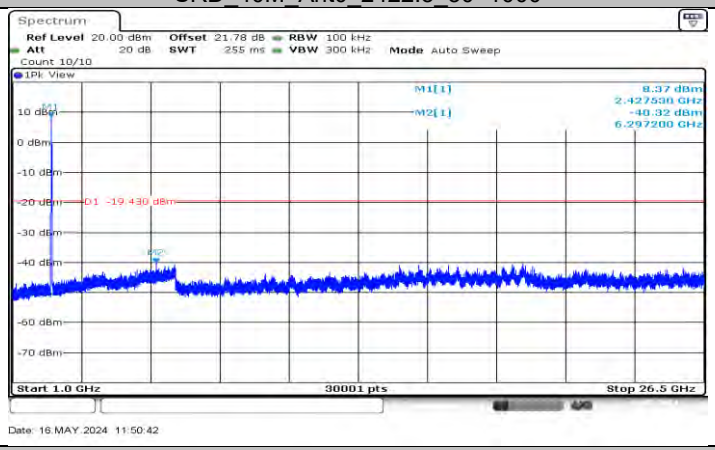

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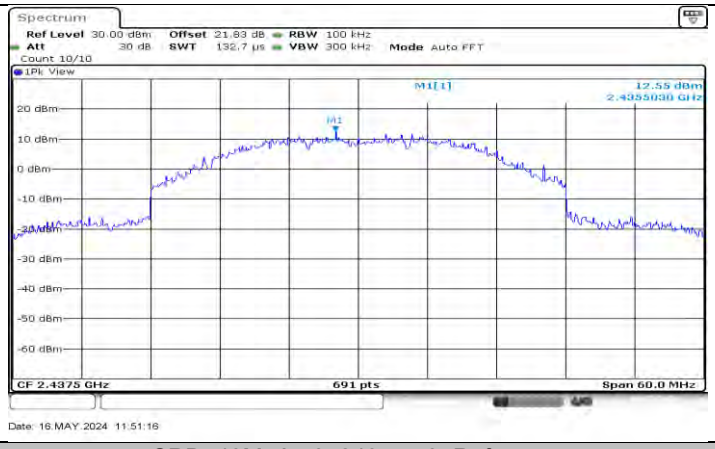

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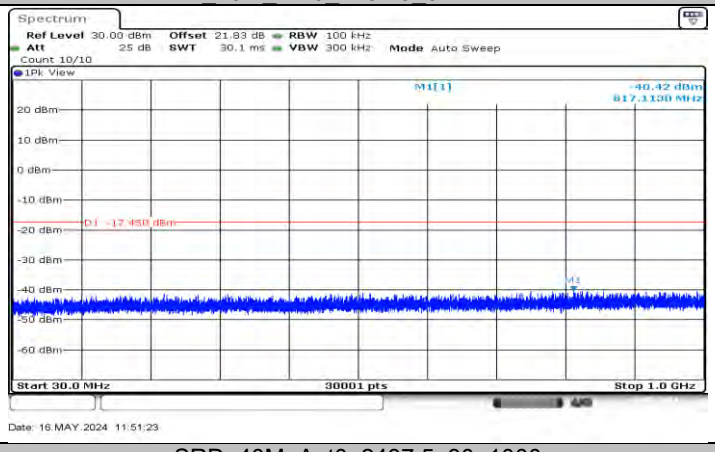
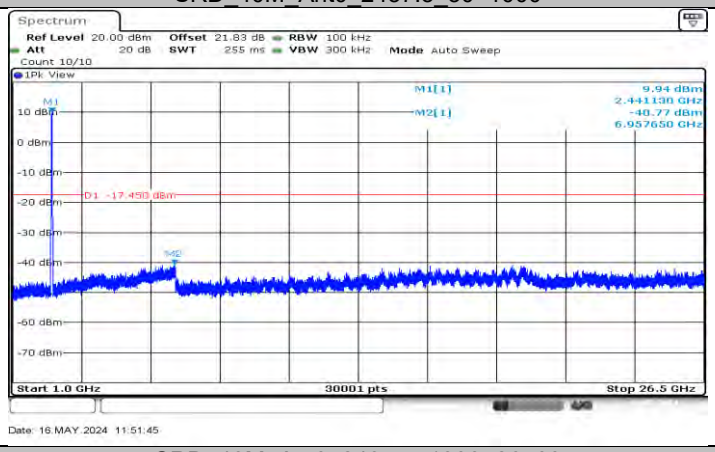
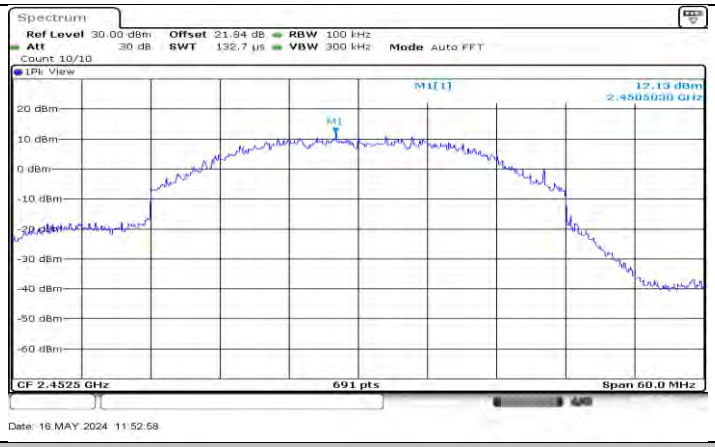


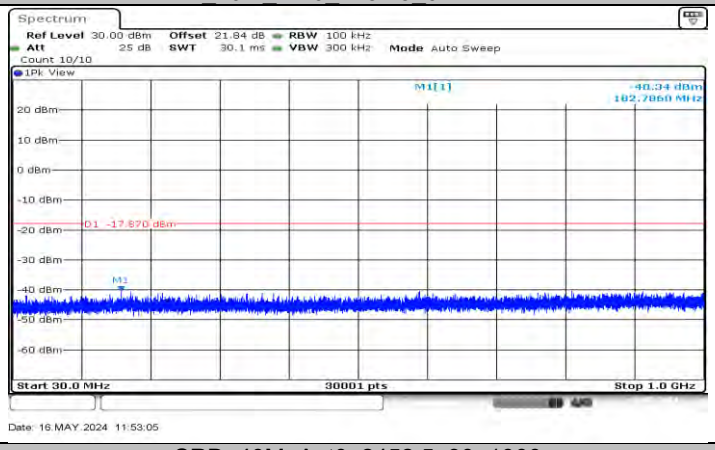
SRD_40M_Ant0_2437.5_30~1000



SRD_40M_Ant0_2437.5_1000~26500



SRD_40M_Ant0_2452.5_0~Reference



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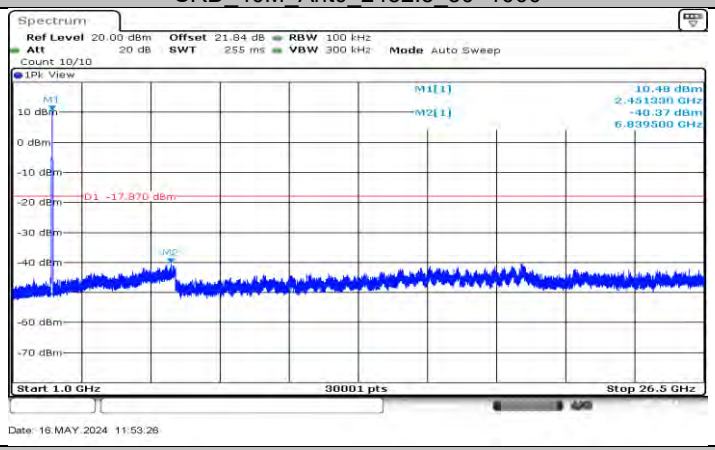

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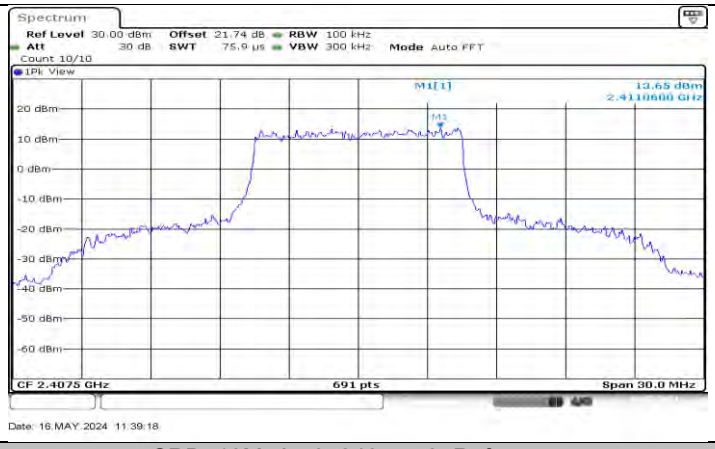
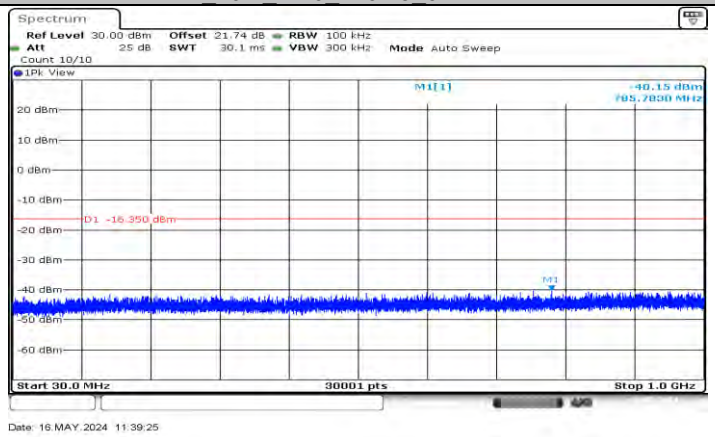
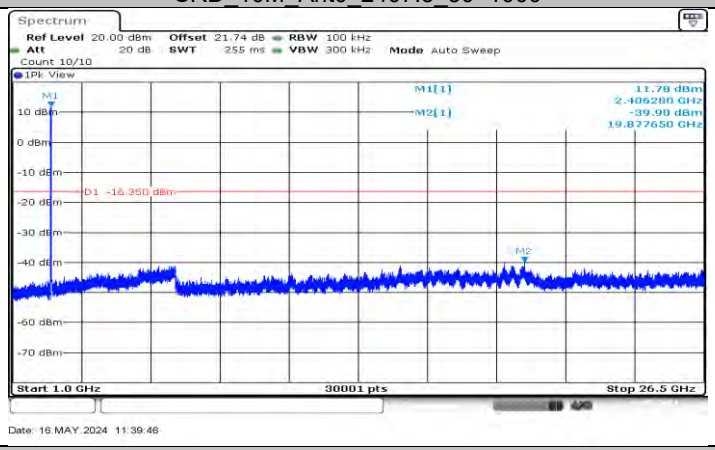


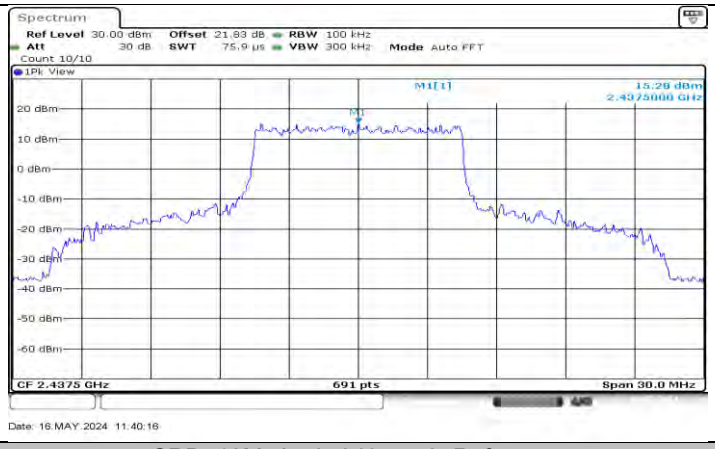
SRD_10M_Ant0_2407.5_0~Reference



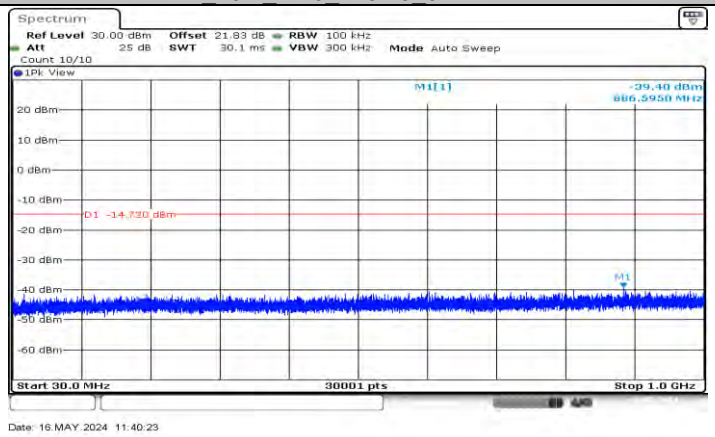
SRD_10M_Ant0_2407.5_30~1000



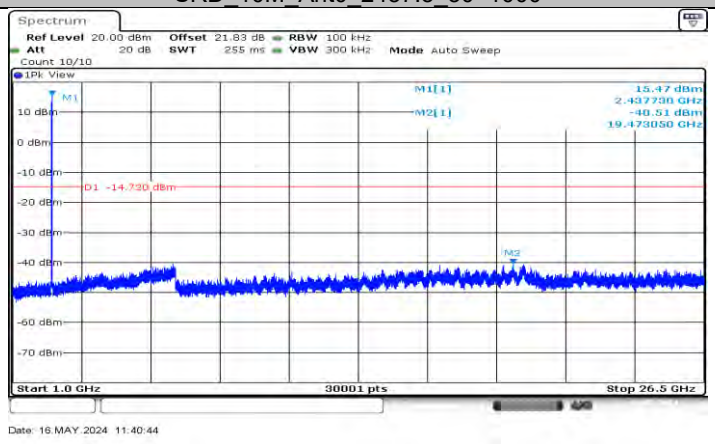
SRD_10M_Ant0_2407.5_1000~26500



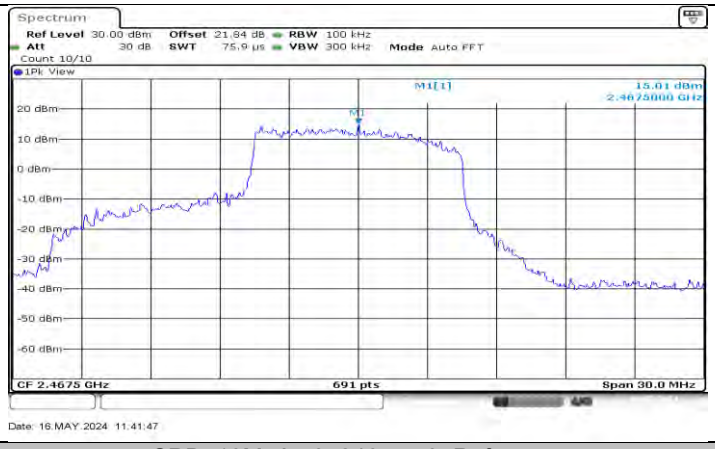
SRD_10M_Ant0_2437.5_0~Reference



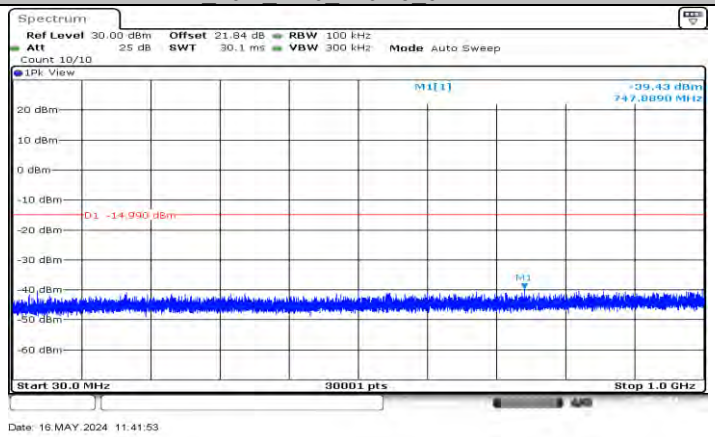
SRD_10M_Ant0_2437.5_30~1000



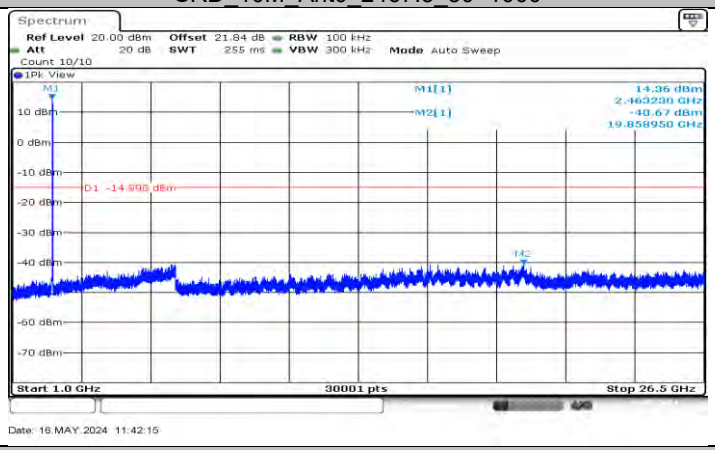
SRD_10M_Ant0_2437.5_1000~26500



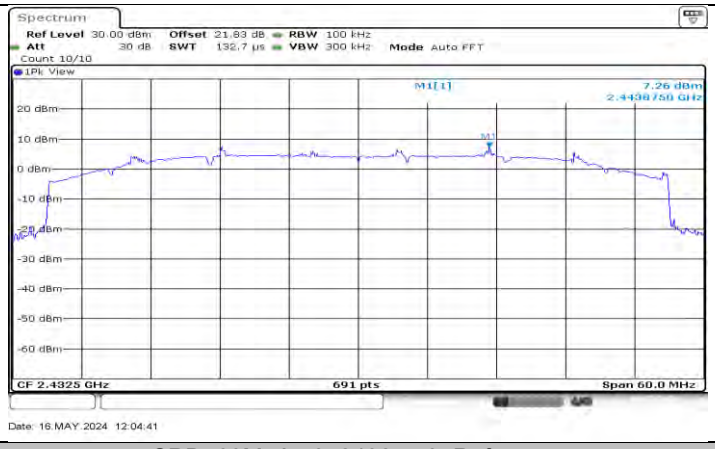
SRD_10M_Ant0_2467.5_0~Reference



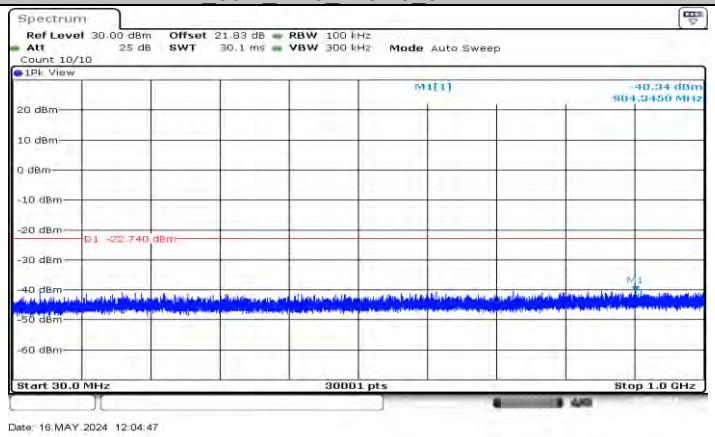
SRD_10M_Ant0_2467.5_30~1000



SRD_10M_Ant0_2467.5_1000~26500



SRD_60M_Ant0_2432.5_0~Reference



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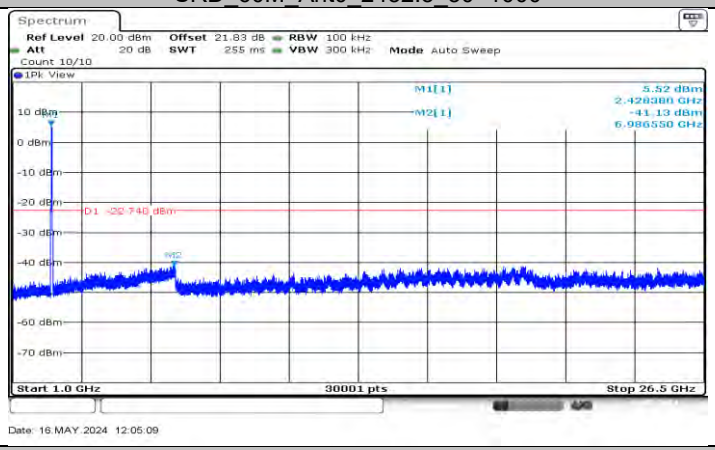
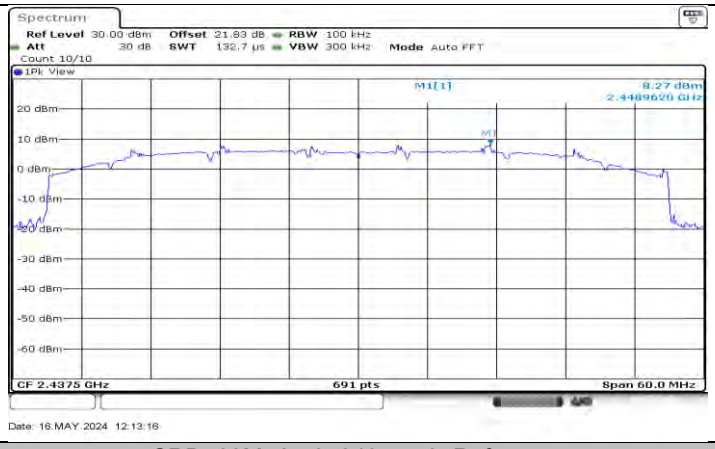
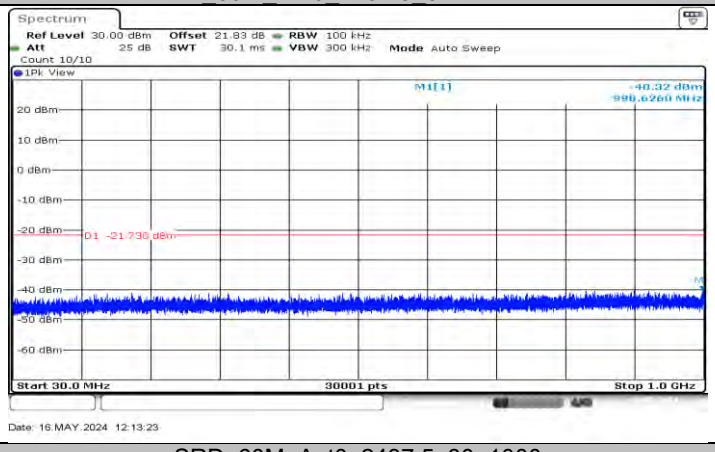


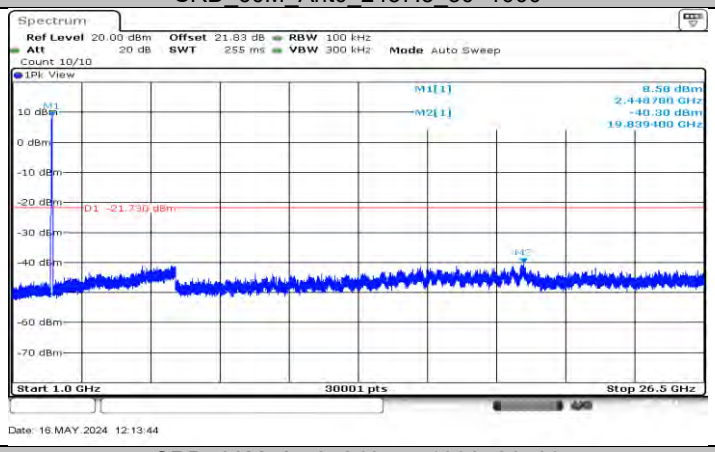
SRD_60M_Ant0_2432.5_1000~26500



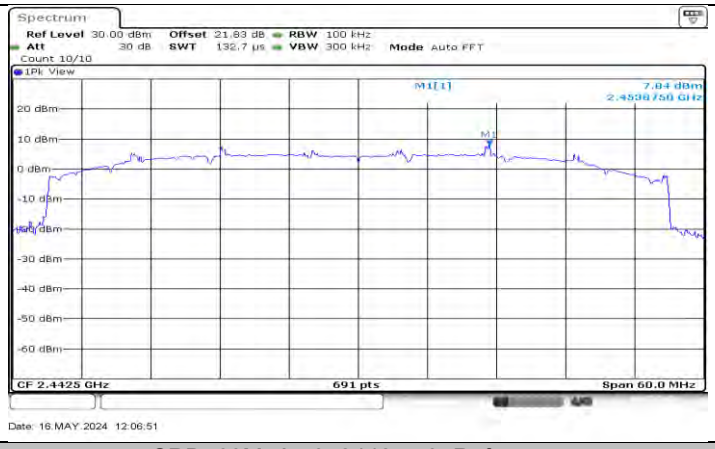
SRD_60M_Ant0_2437.5_0~Reference



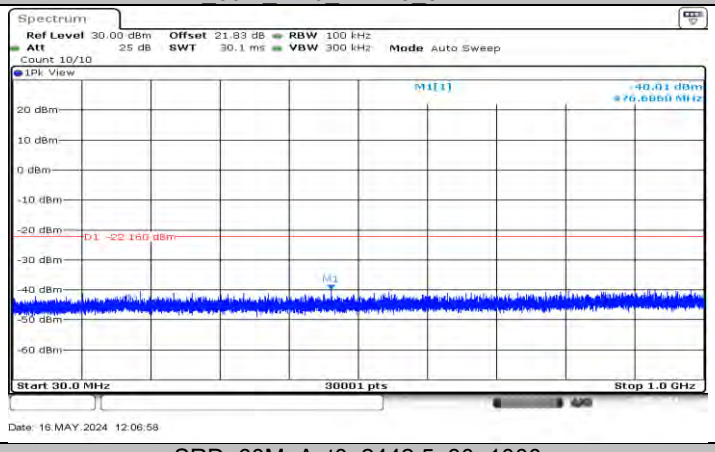
SRD_60M_Ant0_2437.5_30~1000



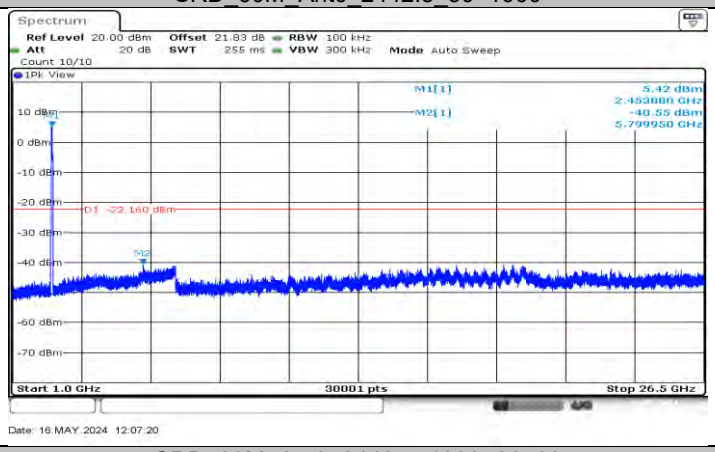
SRD_60M_Ant0_2437.5_1000~26500



SRD_60M_Ant0_2442.5_0~Reference



SRD_60M_Ant0_2442.5_30~1000



SRD_60M_Ant0_2442.5_1000~26500

11.7. APPENDIX G: DUTY CYCLE

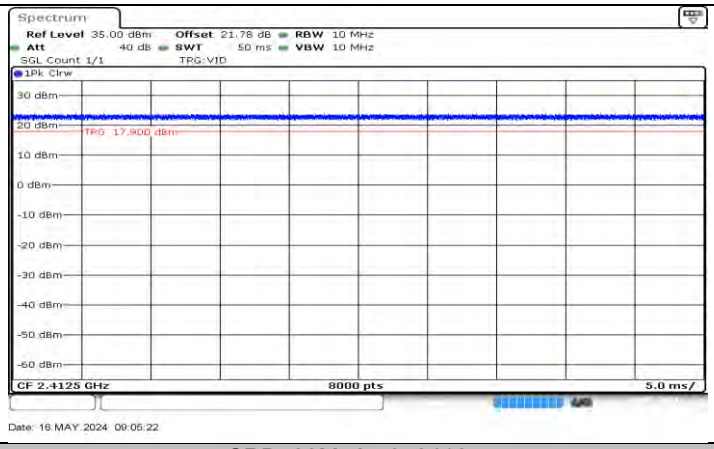
11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
SRD_20M	50.00	50.00	1.0000	100.00	0.00	0.01	0.01
SRD_40M	50.00	50.00	1.0000	100.00	0.00	0.01	0.01
SRD_10M	50.00	50.00	1.0000	100.00	0.00	0.01	0.01
SRD_60M	50.00	50.00	1.0000	100.00	0.00	0.01	0.01

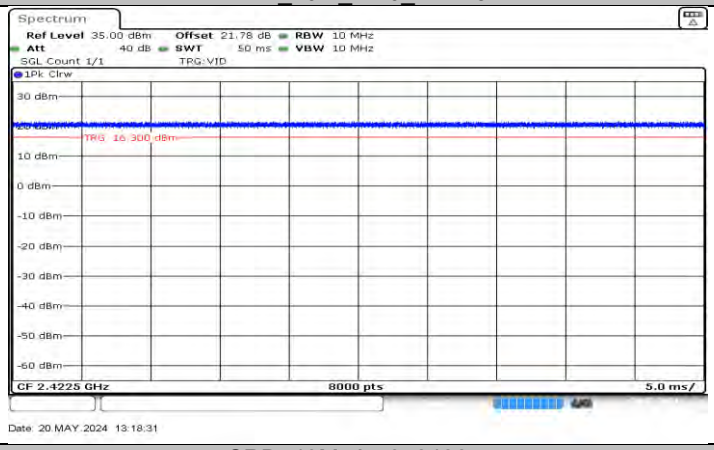
Note: Both the two antennas had been tested, but only the worst data was recorded in the report.

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

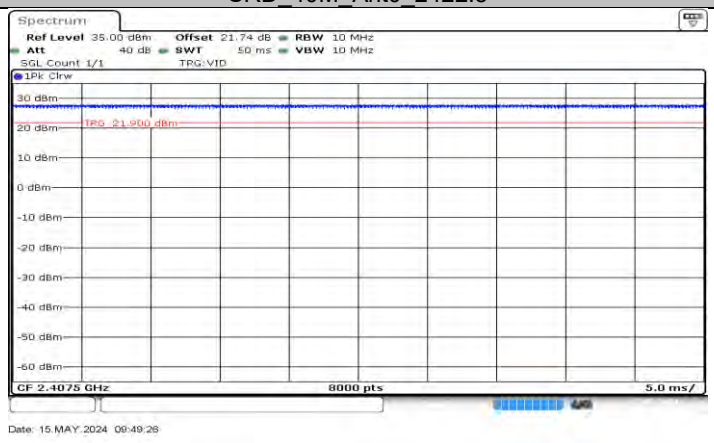
11.7.2. Test Graphs



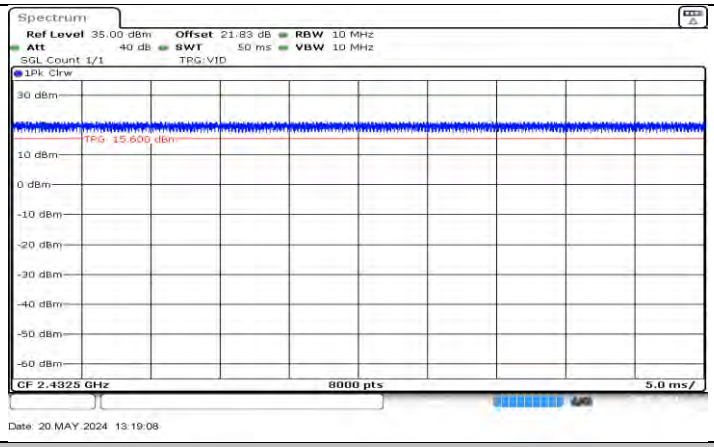
SRD_20M_Ant0_2412.5



SRD_40M_Ant0_2422.5



SRD_10M_Ant0_2407.5



SRD_60M_Ant0_2432.5

END OF REPORT