CFR 47 FCC PART 15 SUBPART C

SPOT CHECK TEST REPORT

For

DJI High-Bright Remote Monitor

MODEL NUMBER: RXD2

FCC ID: 2ANDR-RXD2202109

REPORT NUMBER: 4790494429.1-1

ISSUE DATE: August 5, 2022

Prepared for

SZ DJI Osmo Technology Co.,Ltd.
4F, Jingkou Community Comprehensive Service Building, No. 83 Bishui Road North, Guangming Street, Guangming District, Shenzhen

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	08/05/2022	Initial Issue	

Note: This is a C2PC test report base on 4789980498.1-2-6 which is issued by UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch on October 18, 2021. The EUT had already applied for FCC ID and the FCC ID is 2ANDR-RXD2202109. Now the customer wants to add a new high gain antenna but the EUT remain unchanged.
Spot check had been done for the conducted output power and power spectral density, the power of module remained unchanged except for the 1.4 MHz mode and 1.4 MHz CA mode (the power spectral density for 4 MHz mode and .4 MHz CA mode need reduce to meet the new limit), so we performed all radiated emission with the new antenna, 1.4 MHz mode and .4 MHz CA mode conducted output power/power spectral density test, other data please refer to the original test report.

Summary of Test Results			
Clause	**Test Items**	**FCC Rules**	**Test Results**
1	Conducted Output Power	FCC Part 15.247 (b) (3)	Pass
2	Power Spectral Density	FCC Part 15.247 (e)	Pass
3	Radiated Bandedge and Spurious Emission	FCC Part 15.247 (d) FCC Part 15.209 FCC Part 15.205	Pass
4	Antenna Requirement	FCC Part 15.203	Pass

Note:
1. For others test data, please refer to the original test report 4789980498.1-2-6.
2.This test report is only published to and used by the applicant, and it is not for evidence purpose in China.
3. The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 15 SUBPART C > when <Accuracy Method> decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	SZ DJI Osmo Technology Co.,Ltd.
Address:	4F, Jingkou Community Comprehensive Service Building, No. 83 Bishui Road North, Guangming Street, Guangming District, Shenzhen

Manufacturer Information

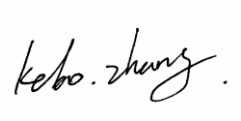
Company Name:	SZ DJI Osmo Technology Co.,Ltd.
Address:	4F, Jingkou Community Comprehensive Service Building, No. 83 Bishui Road North, Guangming Street, Guangming District, Shenzhen

EUT Information

EUT Name:	DJI High-Bright Remote Monitor
Model:	RXD2
Brand:	DJI
Sample Received Date:	July 21, 2022
Sample Status:	Normal
Sample ID:	5168438
Date of Tested:	July 21, 2022 ~ August 4, 2022

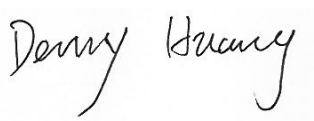
APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 FCC PART 15 SUBPART C	PASS

Prepared By:



Kebo Zhang
Senior Project Engineer

Checked By:



Denny Huang
Senior Project Engineer

Approved By:

Stephen Guo
Laboratory Manager

2. TEST METHODOLOGY

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

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	**A2LA (Certificate No.: 4102.01)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. **FCC (FCC Designation No.: CN1187)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Delcaration 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-20019, R-20004, C-20012 and T-20011)** 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-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011

Note 1: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, 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 recognize 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)
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 High-Bright Remote Monitor
Model	RXD2
Radio Technology	SRD 2.4 GHz
Operation Frequency	2.4 GHz 1.4 MHz Bandwidth (2403.5 MHz-2469.5 MHz) 2.4 GHz 1.4 MHz Bandwidth (CA Mode) (2405.12 MHz-2471.12 MHz) 2.4 GHz 3 MHz Bandwidth (2404.5 MHz-2467.5 MHz) 2.4 GHz 3 MHz Bandwidth (CA Mode) (2407.2 MHz-2470.2 MHz) 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)
Modulation	OFDM (QPSK, 256QAM,64QAM, 16QAM)
Supply Voltage	DC 6.8 V

5.2. CHANNEL LIST

2.4GHz 1.4 MHz Bandwidth (2403.5 MHz-2469.5 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2403.5	10	2421.5	19	2439.5	28	2457.5
2	2405.5	11	2423.5	20	2441.5	29	2459.5
3	2407.5	12	2425.5	21	2443.5	30	2461.5
4	2409.5	13	2427.5	22	2445.5	31	2463.5
5	2411.5	14	2429.5	23	2447.5	32	2465.5
6	2413.5	15	2431.5	24	2449.5	33	2467.5
7	2415.5	16	2433.5	25	2451.5	34	2469.5
8	2417.5	17	2435.5	26	2453.5	/	/
9	2419.5	18	2437.5	27	2455.5	/	/

2.4GHz 1.4 MHz Bandwidth-CA Mode (2405.12 MHz-2471.12 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2405.12	10	2423.12	19	2441.12	28	2459.12
2	2407.12	11	2425.12	20	2443.12	29	2461.12
3	2409.12	12	2427.12	21	2445.12	30	2463.12
4	2411.12	13	2429.12	22	2447.12	31	2465.12
5	2413.12	14	2431.12	23	2449.12	32	2467.12
6	2415.12	15	2433.12	24	2451.12	33	2469.12
7	2417.12	16	2435.12	25	2453.12	34	2471.12
8	2419.12	17	2437.12	26	2455.12	/	/
9	2421.12	18	2439.12	27	2457.12	/	/

2.4GHz 3 MHz Bandwidth Mode (2404.5 MHz-2467.5 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2404.5	7	2422.5	13	2440.5	19	2458.5
2	2407.5	8	2425.5	14	2443.5	20	2461.5
3	2410.5	9	2428.5	15	2446.5	21	2464.5
4	2413.5	10	2431.5	16	2449.5	22	2467.5
5	2416.5	11	2434.5	17	2452.5	/	/
6	2419.5	12	2437.5	18	2455.5	/	/

2.4GHz 3 MHz Bandwidth-CA Mode (2407.2 MHz-2470.2 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2407.2	7	2425.2	13	2443.2	19	2461.2
2	2410.2	8	2428.2	14	2446.2	20	2464.2
3	2413.2	9	2431.2	15	2449.2	21	2467.2
4	2416.2	10	2434.2	16	2452.2	22	2470.2
5	2419.2	11	2437.2	17	2455.2	/	/
6	2422.2	12	2440.2	18	2458.2	/	/

2.4GHz 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	/	/

2.4GHz 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	/	/

2.4GHz 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	/	/

5.3. MAXIMUM OUTPUT POWER

SRD 2.4 GHz	Frequency (MHz)	Channel Number	Maximum Conducted AVG Output Power (dBm)
1.4MHz Mode	2403.5 MHz-2469.5 MHz	1-34[34]	24.17
1.4 MHz -CA Mode	2405.12 MHz-2471.12 MHz	1-34[34]	24.45
3 MHz Mode	2404.5 MHz-2467.5 MHz	1-22[22]	26.79
3 MHz -CA Mode	2407.2 MHz-2470.2 MHz	1-22[22]	25.95
10 MHz Mode	2407.5 MHz-2467.5 MHz	1-61[61]	17.07
20 MHz Mode	2412.5 MHz-2462.5 MHz	1-51[51]	17.01
40 MHz Mode	2422.5 MHz-2452.5 MHz	1-31[31]	16.54

5.4. TEST CHANNEL CONFIGURATION

SRD 2.4 GHz	Test Channel Number	Frequency
1.4M Mode	CH 1(Low Channel), CH 17(MID Channel), CH 34(High Channel)	2403.5 MHz, 2435.5 MHz, 2469.5 MHz
1.4M-CA Mode	CH 1(Low Channel), CH 17(MID Channel), CH 34(High Channel)	2405.12 MHz, 2437.12 MHz, 2471.12 MHz
3M Mode	CH 1(Low Channel), CH 11(MID Channel), CH 22(High Channel)	2404.5 MHz, 2434.5 MHz, 2467.5 MHz
3M-CA Mode	CH 1(Low Channel), CH 11(MID Channel), CH 22(High Channel)	2407.2 MHz, 2437.2 MHz, 2470.2 MHz
10M Mode	CH 1(Low Channel), CH 31(MID Channel), CH 61(High Channel)	2407.5 MHz, 2437.5 MHz, 2467.5 MHz
20M Mode	CH 1(Low Channel), CH 26(MID Channel), CH 51(High Channel)	2412.5 MHz, 2437.5 MHz, 2462.5 MHz
40M Mode	CH 1(Low Channel), CH 16(MID Channel), CH 31(High Channel)	2422.5 MHz, 2437.5 MHz, 2452.5 MHz

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 2400 ~ 2483.5 MHz Band				
Test Software		DjiSdrConsole		
Modulation Mode	Transmit Antenna Number	Test Software setting value		
		NCB: 1.4 MHz/3 MHz/10 MHz/20 MHz/40 MHz		
		Low Channel	MID Channel	High Channel
All	All	Default	Default	Default

5.6. 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-1.4 M Mode/QPSK
SRD 2.4 GHz-1.4 M-CA Mode/QPSK
SRD 2.4 GHz-3 M Mode/QPSK
SRD 2.4 GHz-3 M-CA Mode/QPSK
SRD 2.4 GHz-10 M Mode/QPSK
SRD 2.4 GHz-20 M Mode/QPSK
SRD 2.4 GHz-40 M Mode/QPSK

The EUT has 4 separate antennas which correspond to 4 separate antenna ports. The EUT only support 2TX4RX mode, and Only 4 TX models as ANT 0&1/ANT 0&3/ANT 2&1/ANT 2&3 were used.

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

For duty cycle and occupied channel bandwidth tests, only one chain was tested since the duty cycle and bandwidth does not change depending on chains used.

The EUT support Cyclic Shift Diversity (CDD), They use the same conducted power per chain in any given mode, so we only chose the worst-case mode CDD 2TX at ANT 0&1 for final testing.

5.7. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	Maximum Antenna Gain (dBi)
0	2400-2483.5	Dipole antenna	3.75
1	2400-2483.5	Dipole antenna	3.75
2	2400-2483.5	Dipole antenna	3.75
3	2400-2483.5	Dipole antenna	3.75

The EUT support Cyclic Shift Diversity (CDD) mode.

MIMO output power port and MIMO PSD port summing was performed in accordance with KDB 662911 D01. For the CDD results the Directional Gain was calculated in accordance with the following mothed.
For output power measurements:
Directional gain= G_{ANT} + Array Gain = 3.75 dBi
G_{ANT}: equal to the gain of the antenna having the highest gain
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

For power spectral density (PSD) measurements:
Directional gain= G_{ANT} + Array Gain = 6.76 dBi
Array Gain = 10 log(N_{ANT}/N_{SS}) dB.
N_{ANT}: number of transmit antennas
N_{SS}: number of spatial streams, the worst case directional gain will occur when $N_{SS} = 1$

Note: The value of the antenna gain was declared by customer. The customer declared that SRD 2.4 GHz and SRD 5 GHz can't transmit simultaneously.

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

Note: The EUT only support 2TX4RX mode, and Only 4 TX models as ANT 0&1/ANT 0&3/ANT 2&1/ANT 2&3 were used.

5.8. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	ThinkPad E480	/
2	Earphone	apple	/	/
3	Monitor	DELL	P2419H	/
4	DJI Ronin 4D Hand Grips Combo	DJI	EGP	/
5	SD card	/	/	/

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	/	/	1.0	/
2	HDMI Cable	/	/	1.5	/
3	HDMI Cable	/	/	1.5	/

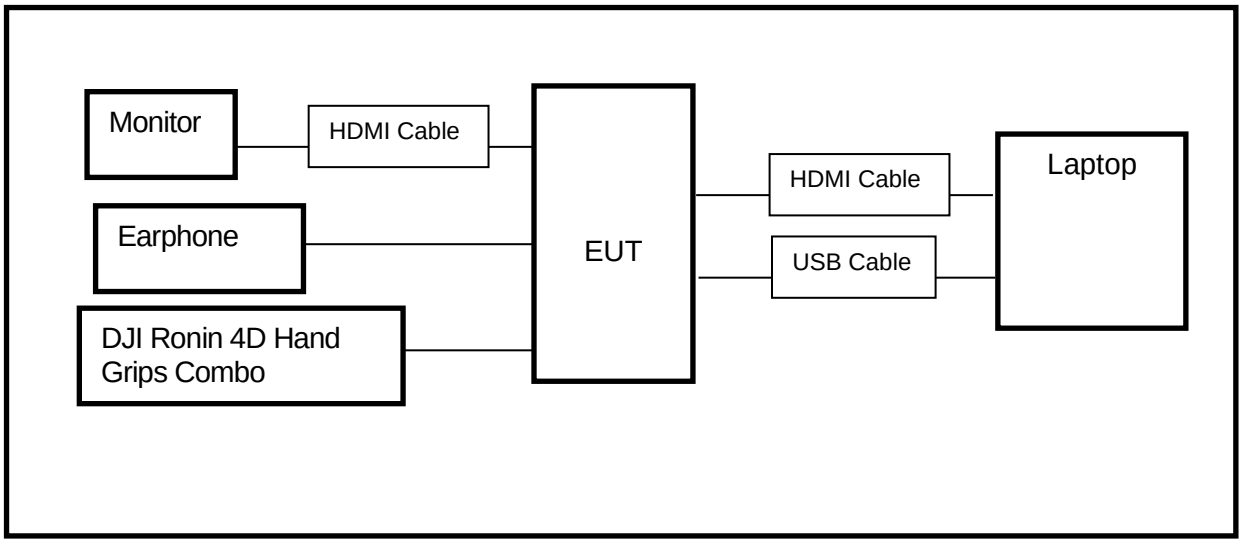
ACCESSORIES

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

TEST SETUP

The EUT can work in engineering mode with a software.

SETUP DIAGRAM FOR TESTS



6. MEASURING INSTRUMENT AND SOFTWARE USED

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Oct.30, 2021	Oct.29, 2022
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Aug.02, 2021	Aug.01, 2024
Preamplifier	HP	8447D	2944A09099	Oct.30, 2021	Oct.29, 2022
EMI Measurement Receiver	R&S	ESR26	101377	Oct.30, 2021	Oct.29, 2022
Horn Antenna	TDK	HRN-0118	130940	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Oct.30, 2021	Oct.29, 2022
Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-2	TRS-307-00003	Oct.31, 2021	Oct.30, 2022
Preamplifier	TDK	PA-02-3	TRS-308-00002	Oct.31, 2021	Oct.30, 2022
Loop antenna	Schwarzbeck	1519B	00008	Dec.14, 2021	Dec.13, 2024
Preamplifier	TDK	PA-02-001-3000	TRS-302-00050	Oct.31, 2021	Oct.30, 2022
High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Oct.31, 2021	Oct.30, 2022
Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	Oct.31, 2021	Oct.30, 2022
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1

Tonsend RF Test System					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Oct.30, 2021	Oct.29, 2022
MXG Vector Signal Generator	Keysight	N5182B	MY56200284	Oct.30, 2021	Oct.29, 2022
MXG Vector Signal Generator	Keysight	N5172B	MY56200301	Oct.30, 2021	Oct.29, 2022
DC power supply	Keysight	E3642A	MY55159130	Oct.30, 2021	Oct.29, 2022
Temperature & Humidity Chamber	SANMOOD	SG-80-CC-2	2088	Nov.20,2020	Nov.19,2022

Software			
Description	Manufacturer	Name	Version
Tonsend SRD Test System	Tonsend	JS1120-3 RF Test System	2.6.77.0518

Other Instruments					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Dual Channel Power Meter	Keysight	N1912A	MY55416024	Oct.30, 2021	Oct.29, 2022
Power Sensor	Keysight	USB Wideband Power Sensor	MY5100022	Oct.30, 2021	Oct.29, 2022

7. ANTENNA PORT TEST RESULTS

7.1. ON TIME AND DUTY CYCLE

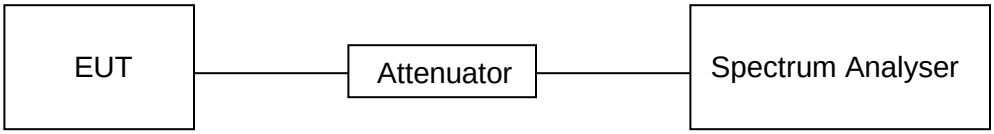
LIMITS

None; for reporting purposes only

PROCEDURE

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

TEST SETUP



TEST ENVIRONMENT

Temperature	25.2 °C	Relative Humidity	54.6 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 6.8 V

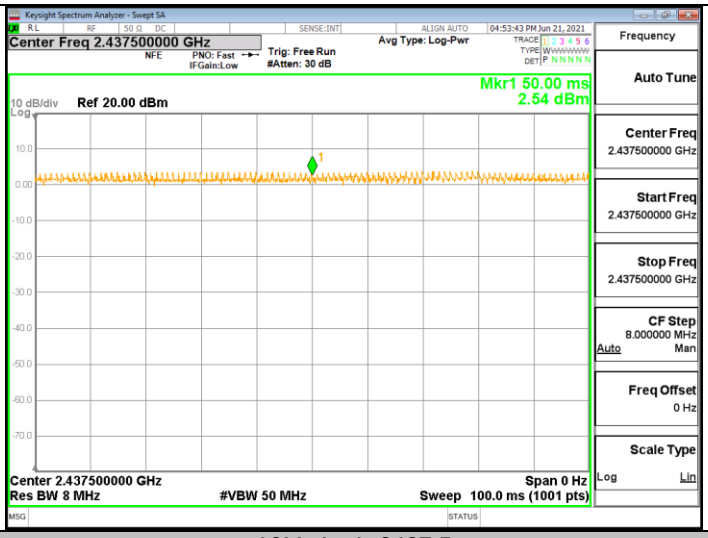
RESULTS

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)
20 MHz Mode	1	1	1.0000	100.00	0.00	1.00	0.01
40 MHz Mode	1	1	1.0000	100.00	0.00	1.00	0.01
10 MHz Mode	1	1	1.0000	100.00	0.00	1.00	0.01
1.4 MHz Mode	1	1	1.0000	100.00	0.00	1.00	0.01
1.4 MHz CA Mode	1	1	1.0000	100.00	0.00	1.00	0.01
3 MHz Mode	1	1	1.0000	100.00	0.00	1.00	0.01
3 MHz CA Mode	1	1	1.0000	100.00	0.00	1.00	0.01

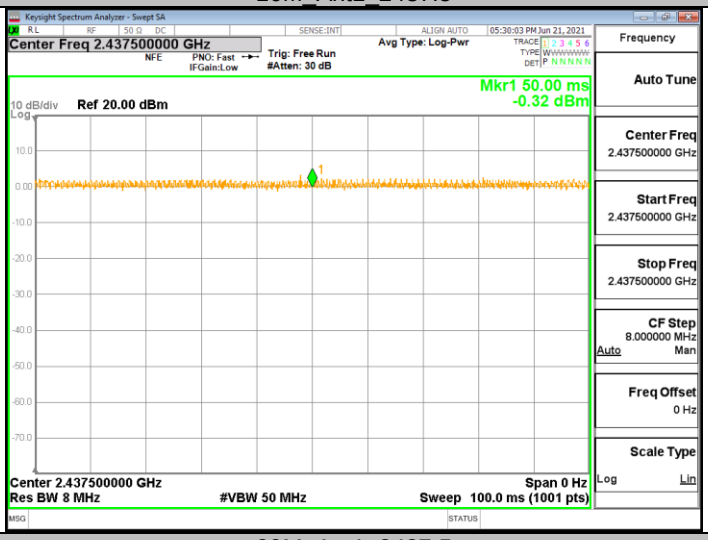
Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

Note: The duty cycle of the EUT remained unchanged, the test result above comes from the original test report, just for reporting purposes only.

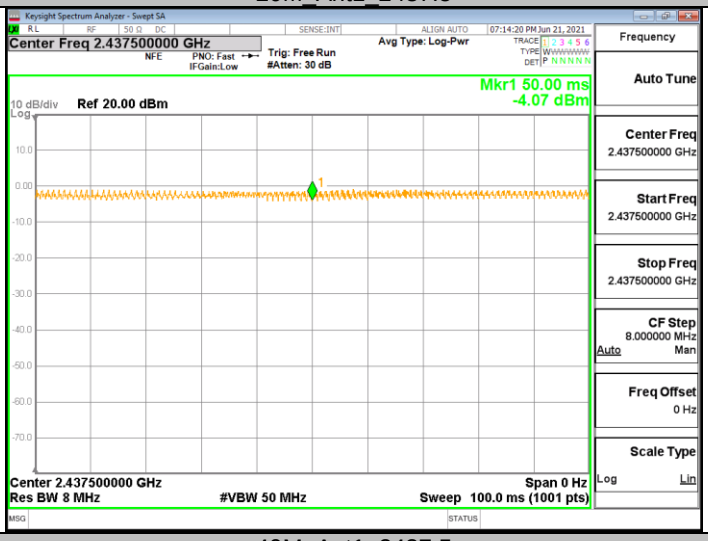
TEST GRAPHS



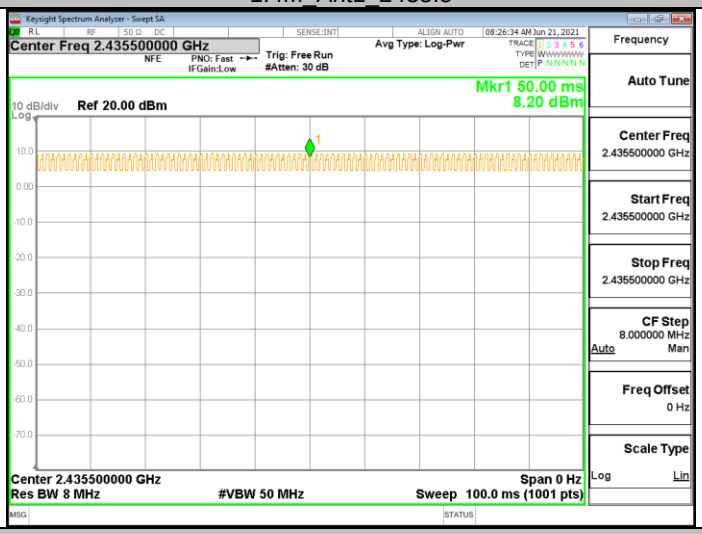
10M_Ant1_2437.5

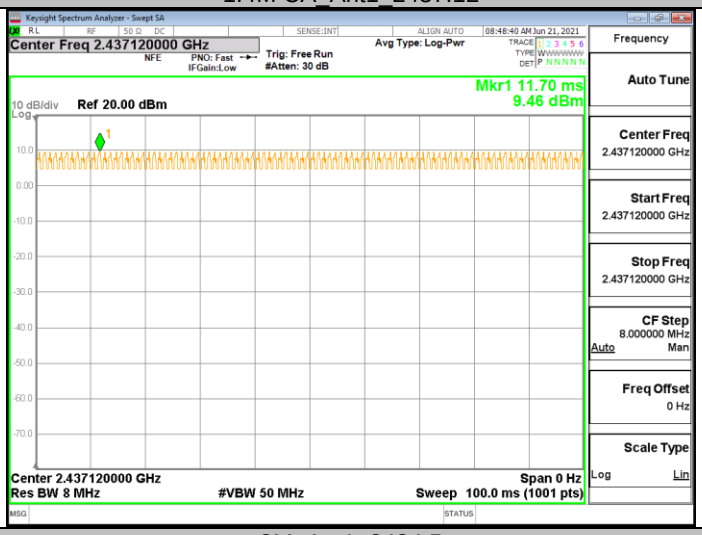


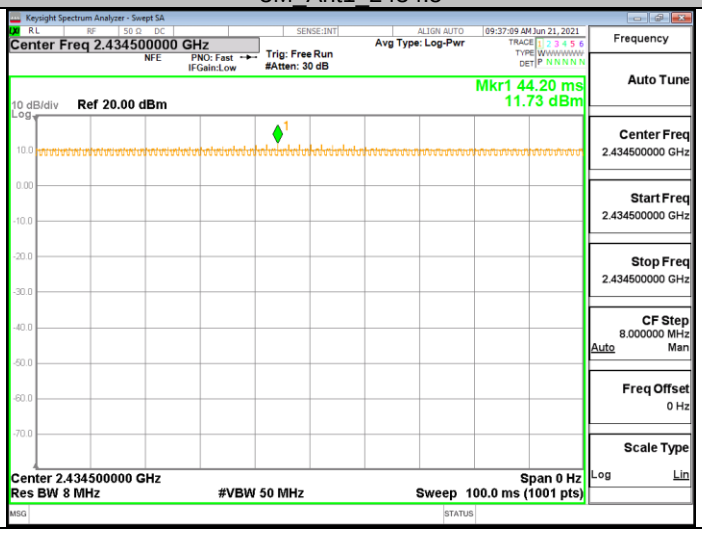
20M_Ant1_2437.5

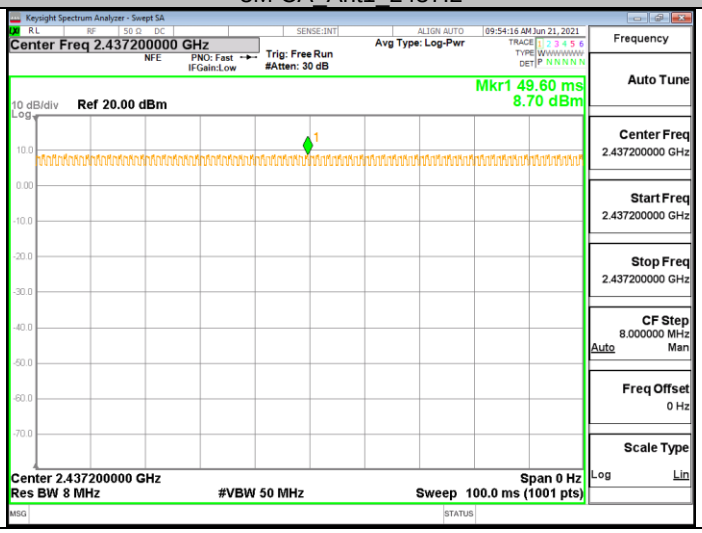


40M_Ant1_2437.5

1.4M_Ant1_2435.5


1.4M CA_Ant1_2437.12


3M_Ant1_2434.5


3M CA_Ant1_2437.2


Note: The duty cycle of the EUT remained unchanged, the test result above comes from the original test report, just for reporting purposes only.

7.2. CONDUCTED OUTPUT POWER

LIMITS

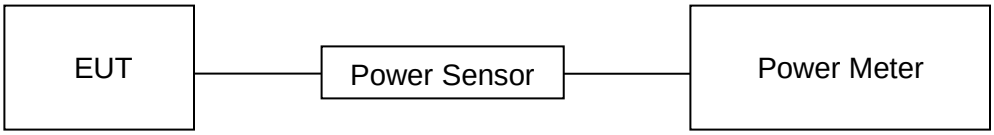
CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3)	AVG Output Power	1 watt or 30 dBm	2400-2483.5

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause in 11.9.2.

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.

TEST SETUP



TEST ENVIRONMENT

Temperature	25.2 °C	Relative Humidity	54.6 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 6.8 V

RESULTS

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
10M	Ant0	Low	13.63	<=30	PASS
	Ant1	Low	13.89	<=30	PASS
	Ant2	Low	13.61	<=30	PASS
	Ant3	Low	13.70	<=30	PASS
	total Ant0&1	Low	16.77	<=30	PASS
	total Ant0&3	Low	16.68	<=30	PASS
	total Ant2&1	Low	16.76	<=30	PASS
	total Ant2&3	Low	16.67	<=30	PASS
	Ant0	MID	13.68	<=30	PASS

	Ant1	MID	13.38	<=30	PASS
	Ant2	MID	13.62	<=30	PASS
	Ant3	MID	13.80	<=30	PASS
	total Ant0&1	MID	16.54	<=30	PASS
	total Ant0&3	MID	16.75	<=30	PASS
	total Ant2&1	MID	16.51	<=30	PASS
	total Ant2&3	MID	16.72	<=30	PASS
	Ant0	High	12.97	<=30	PASS
	Ant1	High	12.98	<=30	PASS
	Ant2	High	14.32	<=30	PASS
	Ant3	High	13.79	<=30	PASS
	total Ant0&1	High	15.99	<=30	PASS
	total Ant0&3	High	16.41	<=30	PASS
	total Ant2&1	High	16.71	<=30	PASS
	total Ant2&3	High	17.07	<=30	PASS
20M	Ant0	Low	13.89	<=30	PASS
	Ant1	Low	13.53	<=30	PASS
	Ant2	Low	13.02	<=30	PASS
	Ant3	Low	13.34	<=30	PASS
	total Ant0&1	Low	16.72	<=30	PASS
	total Ant0&3	Low	16.63	<=30	PASS
	total Ant2&1	Low	16.29	<=30	PASS
	total Ant2&3	Low	16.19	<=30	PASS
	Ant0	MID	14.02	<=30	PASS
	Ant1	MID	13.30	<=30	PASS
	Ant2	MID	13.39	<=30	PASS
	Ant3	MID	13.97	<=30	PASS
	total Ant0&1	MID	16.69	<=30	PASS
	total Ant0&3	MID	17.01	<=30	PASS
	total Ant2&1	MID	16.36	<=30	PASS
	total Ant2&3	MID	16.70	<=30	PASS
	Ant0	High	13.99	<=30	PASS
	Ant1	High	13.69	<=30	PASS
	Ant2	High	14.00	<=30	PASS
	Ant3	High	13.26	<=30	PASS
	total Ant0&1	High	16.85	<=30	PASS
	total Ant0&3	High	16.65	<=30	PASS
	total Ant2&1	High	16.86	<=30	PASS
	total Ant2&3	High	16.66	<=30	PASS
40M	Ant0	Low	13.07	<=30	PASS
	Ant1	Low	13.46	<=30	PASS
	Ant2	Low	12.53	<=30	PASS
	Ant3	Low	12.75	<=30	PASS
	total Ant0&1	Low	16.28	<=30	PASS
	total Ant0&3	Low	15.92	<=30	PASS
	total Ant2&1	Low	16.03	<=30	PASS
	total Ant2&3	Low	15.65	<=30	PASS
	Ant0	MID	13.52	<=30	PASS
	Ant1	MID	13.12	<=30	PASS
	Ant2	MID	12.90	<=30	PASS
	Ant3	MID	12.93	<=30	PASS
	total Ant0&1	MID	16.33	<=30	PASS
	total Ant0&3	MID	16.25	<=30	PASS
	total Ant2&1	MID	16.02	<=30	PASS
	total Ant2&3	MID	15.93	<=30	PASS
	Ant0	High	13.18	<=30	PASS
	Ant1	High	13.85	<=30	PASS
	Ant2	High	13.05	<=30	PASS
	Ant3	High	12.75	<=30	PASS
	total Ant0&1	High	16.54	<=30	PASS
	total Ant0&3	High	15.98	<=30	PASS

	total Ant2&1	High	16.48	<=30	PASS
	total Ant2&3	High	15.91	<=30	PASS
1.4M	Ant0	Low	19.85	<=30	PASS
	Ant1	Low	20.45	<=30	PASS
	Ant2	Low	20.53	<=30	PASS
	Ant3	Low	20.22	<=30	PASS
	total Ant0&1	Low	23.17	<=30	PASS
	total Ant0&3	Low	23.05	<=30	PASS
	total Ant2&1	Low	23.50	<=30	PASS
	total Ant2&3	Low	23.39	<=30	PASS
	Ant0	MID	20.21	<=30	PASS
	Ant1	MID	20.53	<=30	PASS
	Ant2	MID	21.30	<=30	PASS
	Ant3	MID	21.02	<=30	PASS
	total Ant0&1	MID	23.38	<=30	PASS
	total Ant0&3	MID	23.64	<=30	PASS
	total Ant2&1	MID	23.94	<=30	PASS
	total Ant2&3	MID	24.17	<=30	PASS
	Ant0	High	20.72	<=30	PASS
	Ant1	High	21.04	<=30	PASS
	Ant2	High	20.97	<=30	PASS
	Ant3	High	20.81	<=30	PASS
	total Ant0&1	High	23.89	<=30	PASS
	total Ant0&3	High	23.78	<=30	PASS
	total Ant2&1	High	24.02	<=30	PASS
	total Ant2&3	High	23.90	<=30	PASS
1.4M-CA	Ant0	Low	20.69	<=30	PASS
	Ant1	Low	21.24	<=30	PASS
	Ant2	Low	20.64	<=30	PASS
	Ant3	Low	20.12	<=30	PASS
	total Ant0&1	Low	23.98	<=30	PASS
	total Ant0&3	Low	23.42	<=30	PASS
	total Ant2&1	Low	23.96	<=30	PASS
	total Ant2&3	Low	23.40	<=30	PASS
	Ant0	MID	20.62	<=30	PASS
	Ant1	MID	20.27	<=30	PASS
	Ant2	MID	20.44	<=30	PASS
	Ant3	MID	19.97	<=30	PASS
	total Ant0&1	MID	23.46	<=30	PASS
	total Ant0&3	MID	23.29	<=30	PASS
	total Ant2&1	MID	23.37	<=30	PASS
	total Ant2&3	MID	23.22	<=30	PASS
	Ant0	High	20.59	<=30	PASS
	Ant1	High	21.86	<=30	PASS
	Ant2	High	20.98	<=30	PASS
	Ant3	High	20.31	<=30	PASS
	total Ant0&1	High	24.28	<=30	PASS
	total Ant0&3	High	23.46	<=30	PASS
	total Ant2&1	High	24.45	<=30	PASS
	total Ant2&3	High	23.67	<=30	PASS
3M	Ant0	Low	23.27	<=30	PASS
	Ant1	Low	23.15	<=30	PASS
	Ant2	Low	23.94	<=30	PASS
	Ant3	Low	23.61	<=30	PASS
	total Ant0&1	Low	26.22	<=30	PASS
	total Ant0&3	Low	26.45	<=30	PASS

	total Ant2&1	Low	26.57	<=30	PASS
	total Ant2&3	Low	26.79	<=30	PASS
	Ant0	MID	22.43	<=30	PASS
	Ant1	MID	23.43	<=30	PASS
	Ant2	MID	23.11	<=30	PASS
	Ant3	MID	23.74	<=30	PASS
	total Ant0&1	MID	25.97	<=30	PASS
	total Ant0&3	MID	26.14	<=30	PASS
	total Ant2&1	MID	26.28	<=30	PASS
	total Ant2&3	MID	26.45	<=30	PASS
	Ant0	High	22.80	<=30	PASS
	Ant1	High	22.87	<=30	PASS
	Ant2	High	23.57	<=30	PASS
	Ant3	High	22.82	<=30	PASS
	total Ant0&1	High	25.85	<=30	PASS
	total Ant0&3	High	25.82	<=30	PASS
	total Ant2&1	High	26.24	<=30	PASS
	total Ant2&3	High	26.22	<=30	PASS
3M-CA	Ant0	Low	22.67	<=30	PASS
	Ant1	Low	22.70	<=30	PASS
	Ant2	Low	22.97	<=30	PASS
	Ant3	Low	22.91	<=30	PASS
	total Ant0&1	Low	25.70	<=30	PASS
	total Ant0&3	Low	25.80	<=30	PASS
	total Ant2&1	Low	25.85	<=30	PASS
	total Ant2&3	Low	25.95	<=30	PASS
	Ant0	MID	22.42	<=30	PASS
	Ant1	MID	22.74	<=30	PASS
	Ant2	MID	22.85	<=30	PASS
	Ant3	MID	23.01	<=30	PASS
	total Ant0&1	MID	25.59	<=30	PASS
	total Ant0&3	MID	25.74	<=30	PASS
	total Ant2&1	MID	25.81	<=30	PASS
	total Ant2&3	MID	25.94	<=30	PASS
	Ant0	High	22.32	<=30	PASS
	Ant1	High	21.65	<=30	PASS
	Ant2	High	22.23	<=30	PASS
	Ant3	High	22.45	<=30	PASS
	total Ant0&1	High	25.01	<=30	PASS
	total Ant0&3	High	25.40	<=30	PASS
	total Ant2&1	High	24.96	<=30	PASS
	total Ant2&3	High	25.35	<=30	PASS

Note:
1. All the test result (except for the 1.4 MHz mode and 1.4 MHz CA mode) comes from the original test report and just reduced the limit according to the new antenna gain.
2. The power of 1.4 MHz mode and 1.4 MHz CA mode need reduced to meet the new limit.

SPOT CHECK TEST RESULTS

Mode	Frequency (MHz)	Antenna	Conducted Average Output Power (dBm)				Limit (dBm)
			SISO (dBm)	SISO (mW)	Total (mW)	Total (dBm)	
3 MHz Mode	2404.5	2	23.11	204.64	413.57	26.17	<=30.00
		3	23.20	208.93			
3M CA Mode	2407.2	2	22.06	160.69	328.57	25.17	<=30.00
		3	22.25	167.88			
10 MHz Mode	2407.5	0	13.66	23.23	46.45	16.67	<=30.00
		1	13.66	23.23			
20 MHz Mode	2437.5	0	14.12	25.82	51.94	17.16	<=30.00
		3	14.17	26.12			
40 MHz Mode	2452.5	0	13.51	22.44	48.50	16.86	<=30.00
		1	14.16	26.06			

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/3 kHz	2400-2483.5

TEST PROCEDURE

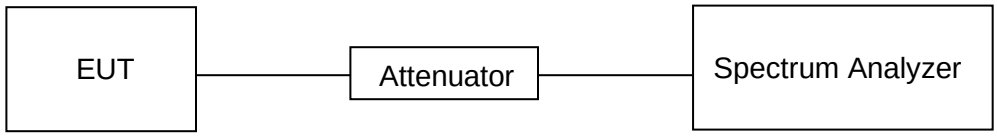
Refer to ANSI C63.10-2013 clause 11.10.

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

Center Frequency	The center frequency of the channel under test
Detector	PEAK
RBW	3 kHz ≤ 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 amplitude level within the RBW.
If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST SETUP



TEST ENVIRONMENT

Temperature	25.2 °C	Relative Humidity	54.6 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 6.8 V

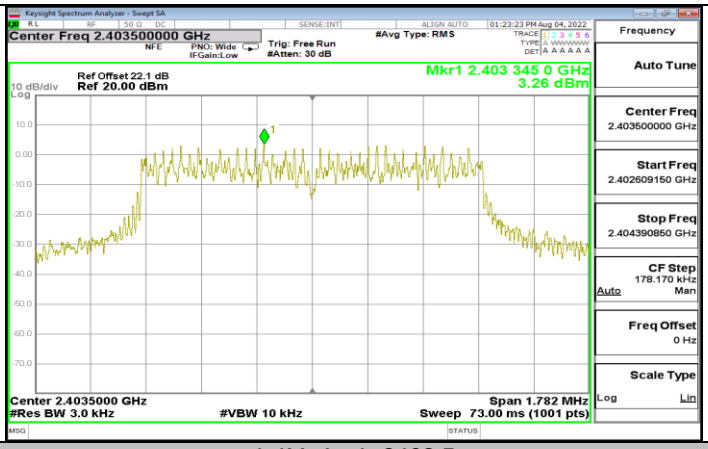
TEST RESULTS

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
10M	Ant0	2407.5	-11.75	<=7.24	PASS
	Ant1	2407.5	-11.11	<=7.24	PASS
	total	2407.5	-8.14	<=7.24	PASS
	Ant0	2437.5	-11.42	<=7.24	PASS
	Ant1	2437.5	-11.71	<=7.24	PASS
	total	2437.5	-8.55	<=7.24	PASS
	Ant0	2467.5	-11.87	<=7.24	PASS
	Ant1	2467.5	-11.25	<=7.24	PASS
	total	2467.5	-8.54	<=7.24	PASS
20M	Ant0	2412.5	-13.81	<=7.24	PASS
	Ant1	2412.5	-14.1	<=7.24	PASS
	total	2412.5	-10.94	<=7.24	PASS
	Ant0	2437.5	-13.54	<=7.24	PASS
	Ant1	2437.5	-14.89	<=7.24	PASS
	total	2437.5	-11.15	<=7.24	PASS
	Ant0	2462.5	-12.83	<=7.24	PASS
	Ant1	2462.5	-13.28	<=7.24	PASS
	total	2462.5	-10.04	<=7.24	PASS
40M	Ant0	2422.5	-17.14	<=7.24	PASS
	Ant1	2422.5	-17.15	<=7.24	PASS
	total	2422.5	-14.13	<=7.24	PASS
	Ant0	2437.5	-16.4	<=7.24	PASS
	Ant1	2437.5	-17.03	<=7.24	PASS
	total	2437.5	-13.69	<=7.24	PASS
	Ant0	2452.5	-16.59	<=7.24	PASS
	Ant1	2452.5	-15.94	<=7.24	PASS
	total	2452.5	-13.24	<=7.24	PASS
1.4M	Ant0	2403.5	3.26	<=7.24	PASS
	Ant1	2403.5	4.52	<=7.24	PASS
	total	2403.5	6.95	<=7.24	PASS
	Ant0	2435.5	3.13	<=7.24	PASS
	Ant1	2435.5	3.27	<=7.24	PASS
	total	2435.5	6.21	<=7.24	PASS
	Ant0	2469.5	3.35	<=7.24	PASS
	Ant1	2469.5	3.59	<=7.24	PASS
	total	2469.5	6.48	<=7.24	PASS
1.4M CA	Ant0	2405.12	3.86	<=7.24	PASS
	Ant1	2405.12	4.18	<=7.24	PASS
	total	2405.12	7.03	<=7.24	PASS
	Ant0	2437.12	3.69	<=7.24	PASS
	Ant1	2437.12	3.89	<=7.24	PASS
	total	2437.12	6.80	<=7.24	PASS
	Ant0	2471.12	3.29	<=7.24	PASS
	Ant1	2471.12	2.27	<=7.24	PASS
	total	2471.12	5.82	<=7.24	PASS
3M	Ant0	2404.5	2.12	<=7.24	PASS
	Ant1	2404.5	2.64	<=7.24	PASS
	total	2404.5	5.39	<=7.24	PASS
	Ant0	2434.5	2.20	<=7.24	PASS
	Ant1	2434.5	2.04	<=7.24	PASS
	total	2434.5	5.13	<=7.24	PASS

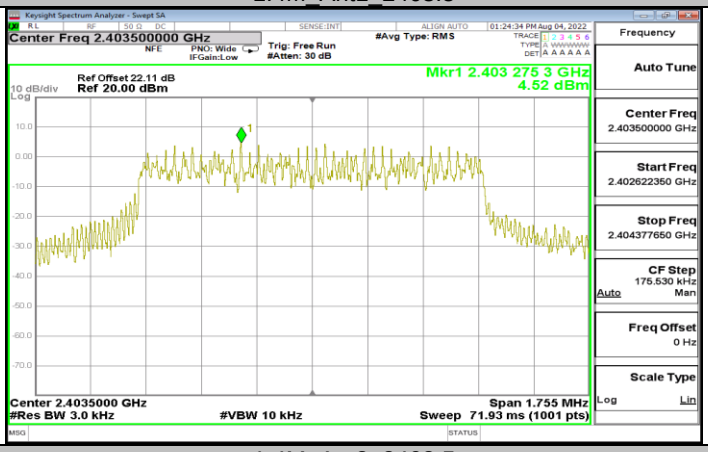
	Ant0	2467.5	2.00	<=7.24	PASS
	Ant1	2467.5	2.36	<=7.24	PASS
	total	2467.5	5.19	<=7.24	PASS
3M CA	Ant0	2407.2	2.05	<=7.24	PASS
	Ant1	2407.2	2.04	<=7.24	PASS
	total	2407.2	5.05	<=7.24	PASS
	Ant0	2437.2	1.88	<=7.24	PASS
	Ant1	2437.2	2.56	<=7.24	PASS
	total	2437.2	5.24	<=7.24	PASS
	Ant0	2470.2	1.00	<=7.24	PASS
	Ant1	2470.2	-0.56	<=7.24	PASS
	total	2470.2	3.30	<=7.24	PASS

Note:
1. All the test result (except for the 1.4 MHz mode and 1.4 MHz CA mode) comes from the original test report and just reduced the limit according to the new antenna gain.
2. For power spectral density (PSD) measurements, the directional gain is 6.76 dBi and exceed 0.76 when comparing to 6 dBi, so the limit shall be 8-0.76=7.24.
3. The power of 1.4 MHz mode and 1.4 MHz CA mode need reduced to meet the new limit.

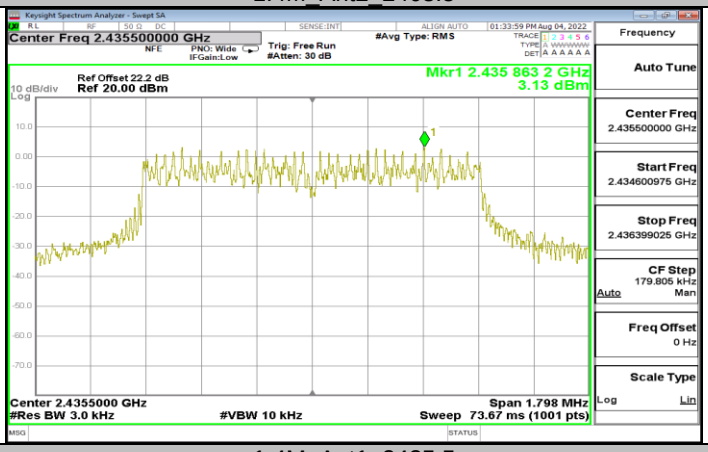
TEST GRAPHS



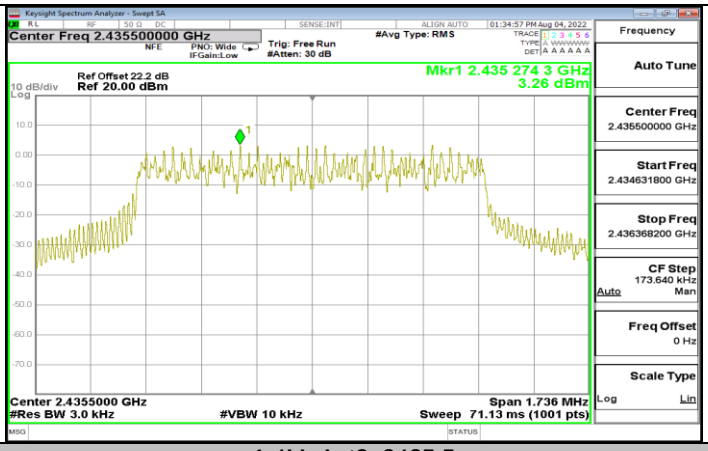
1.4M_Ant1_2403.5



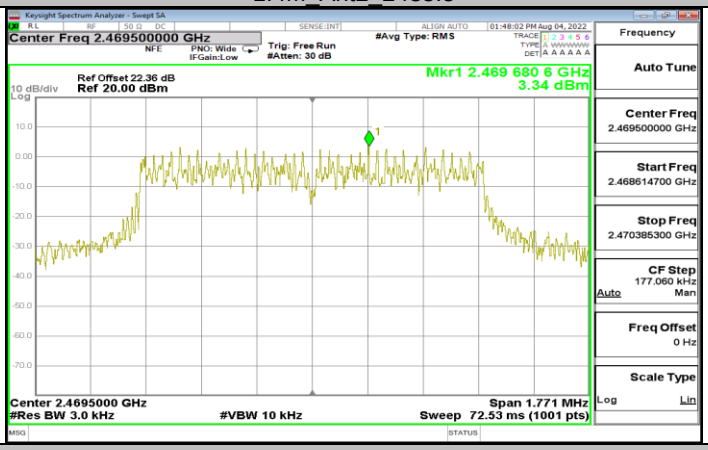
1.4M_Ant2_2403.5



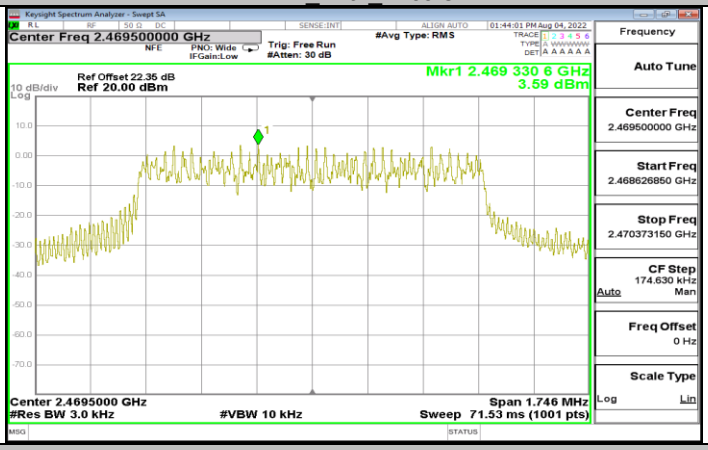
1.4M_Ant1_2435.5



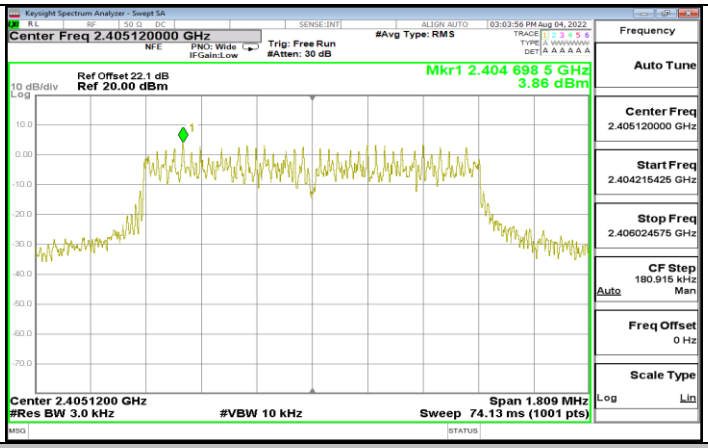
1.4M_Ant2_2435.5



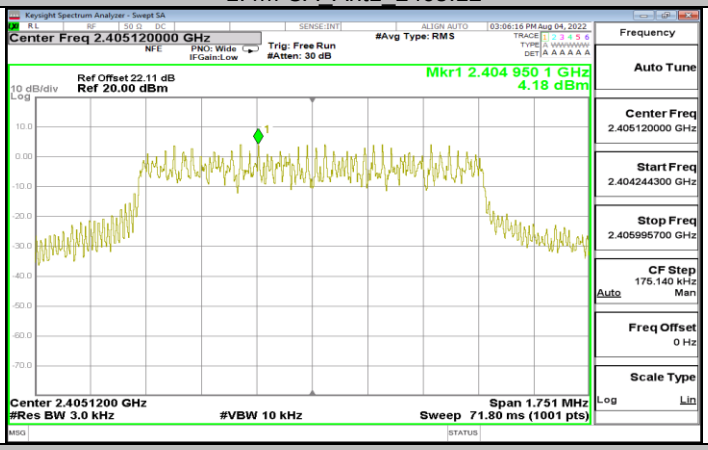
1.4M_Ant1_2469.5



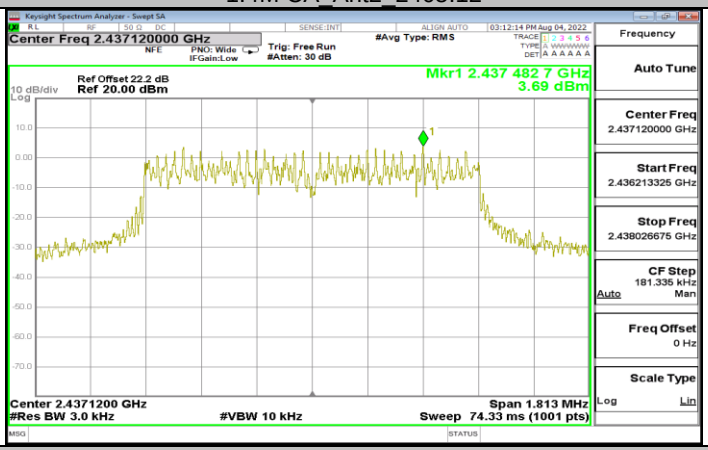
1.4M_Ant2_2469.5



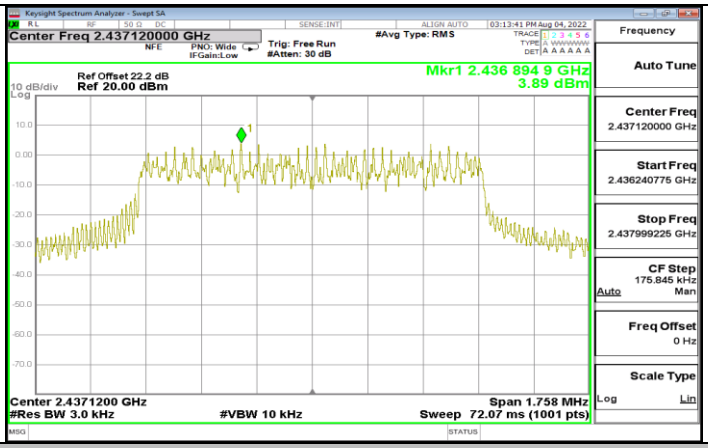
1.4M CA_Ant1_2405.12



1.4M CA_Ant2_2405.12



1.4M CA_Ant1_2437.12



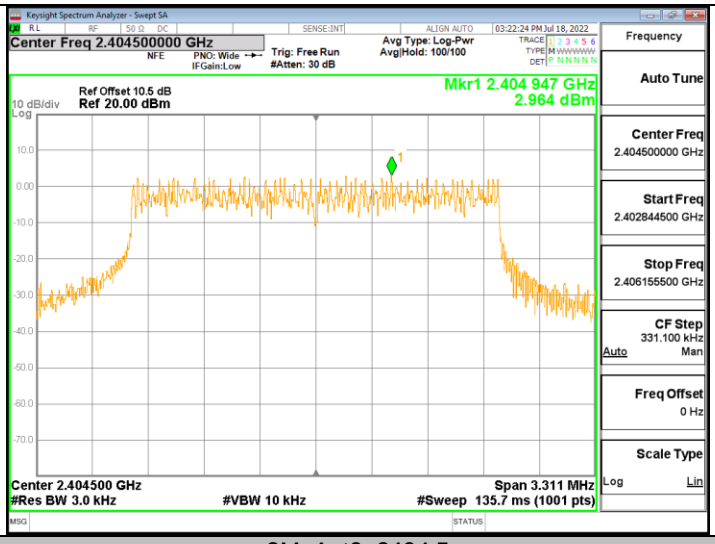
1.4M CA_Ant2_2437.12

Note: For others test graphs, please refer to the original test result.

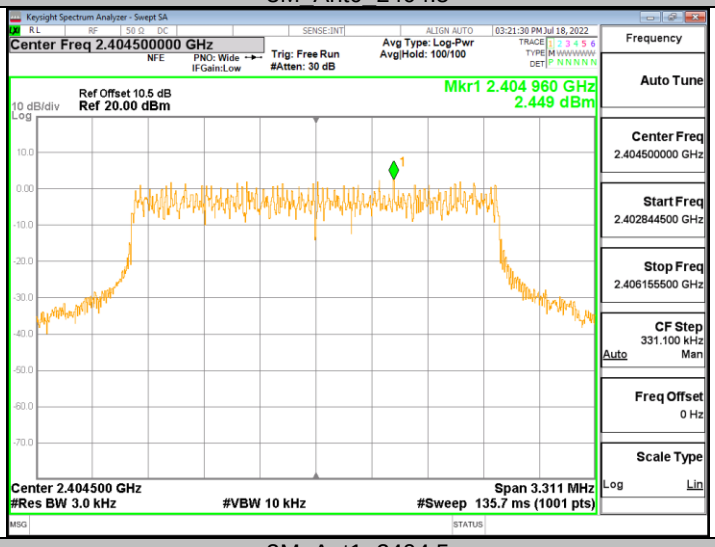
SPOT CHECK TEST RESULTS

Mode	Frequency (MHz)	Antenna	Power Spectral Density (dBm/3kHz)				Limit (dBm/3kHz)
			SISO (dBm)	SISO (mW)	Total (mW)	Total (dBm)	
3 MHz Mode	2404.5	2	2.96	1.98	3.74	5.72	<=7.24
		3	2.45	1.76			
3M CA Mode	2407.2	2	2.78	1.89	3.60	5.57	<=7.24
		3	2.33	1.71			
10 MHz Mode	2407.5	0	-11.32	0.07	0.15	-8.33	<=7.24
		1	-11.37	0.07			
20 MHz Mode	2437.5	0	-13.12	0.05	0.09	-10.48	<=7.24
		3	-13.89	0.04			
40 MHz Mode	2452.5	0	-16.48	0.02	0.05	-13.13	<=7.24
		1	-15.83	0.03			

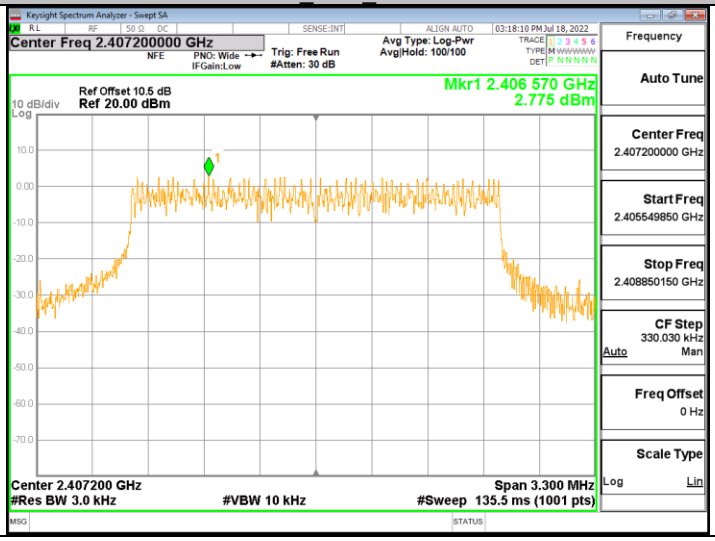
SPOT CHECK TEST GRAPHS

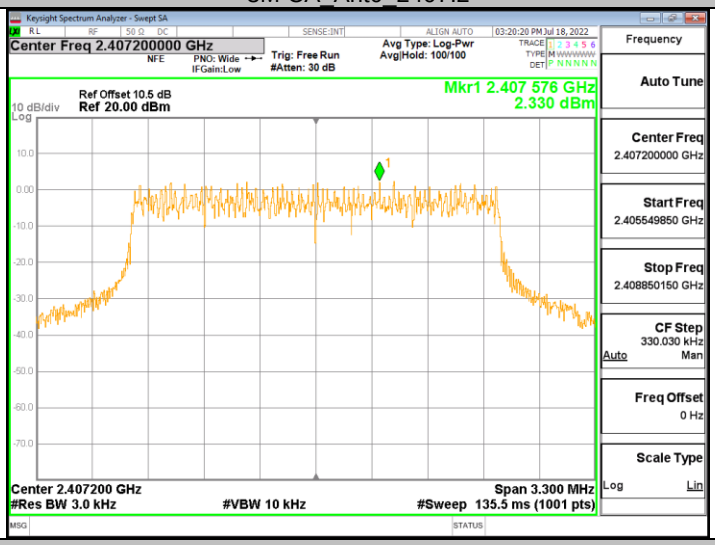
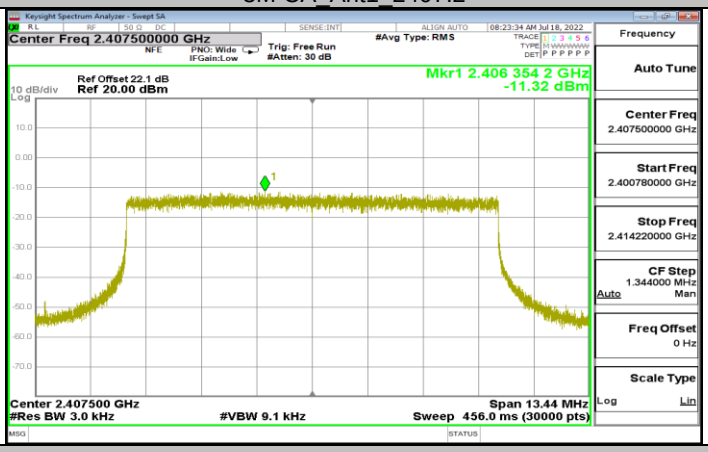
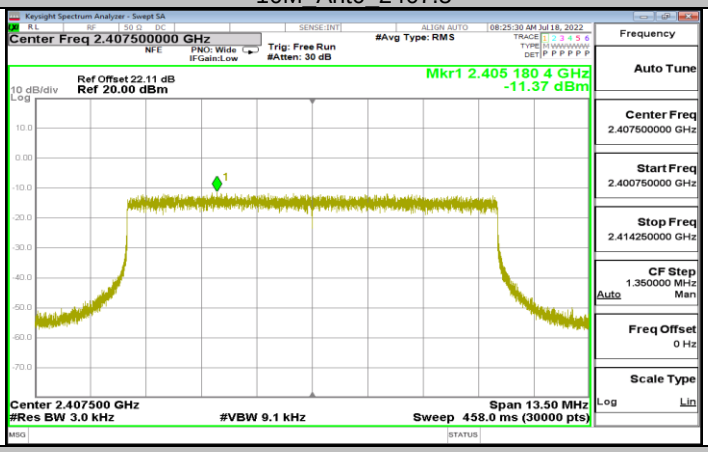


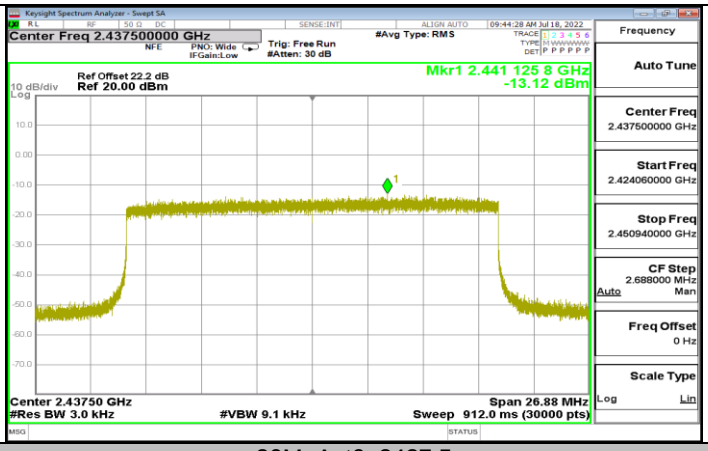
3M_Ant0_2404.5



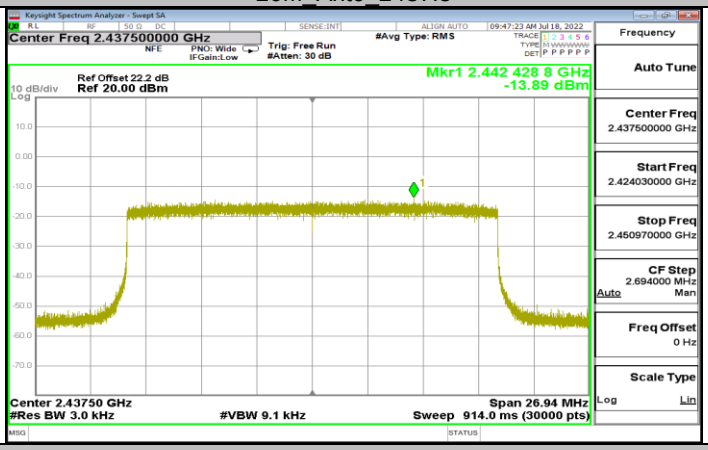
3M_Ant1_2404.5



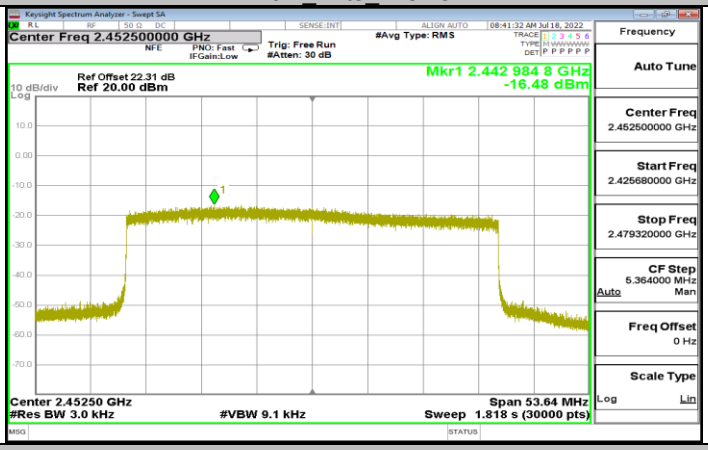
3M CA_Ant0_2407.2

3M CA_Ant1_2407.2

10M_Ant0_2407.5

10M_Ant1_2407.5



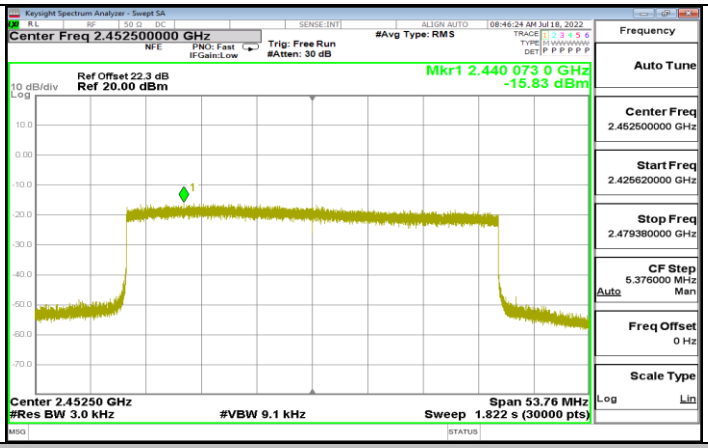
20M_Ant0_2437.5



20M_Ant3_2437.5



40M_Ant0_2452.5



40M_Ant1_2452.5

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

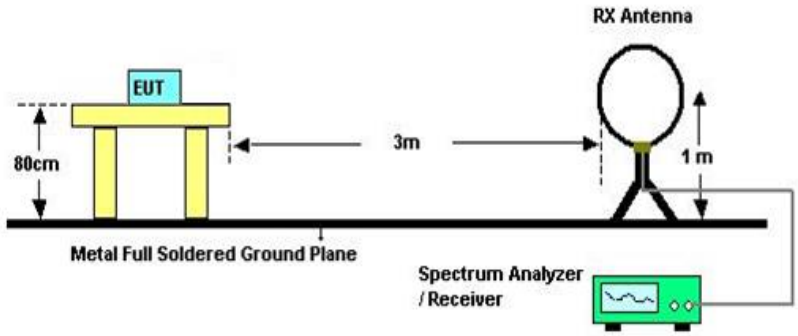
FCC Restricted bands of operation refer to FCC §15.205 (a):

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 SETUP AND PROCEDURE

Below 30 MHz



The setting of the spectrum analyser

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
Trace	Max hold

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 80cm above ground.

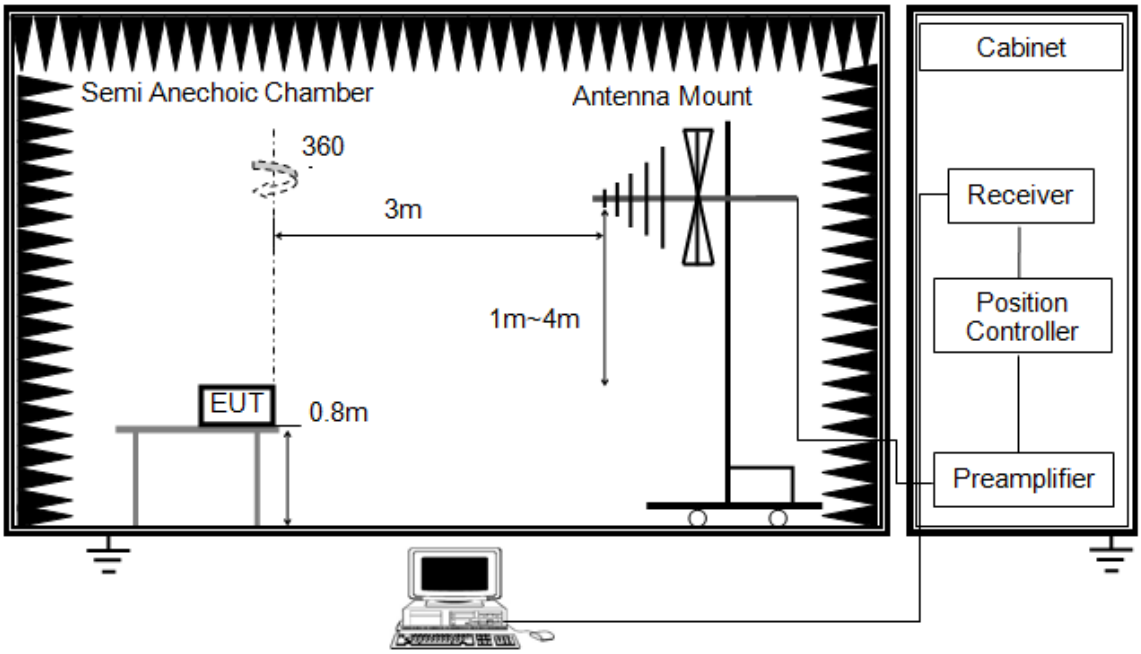
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.

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 30 m 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.

Below 1 GHz and above 30 MHz



The setting of the spectrum analyser

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.

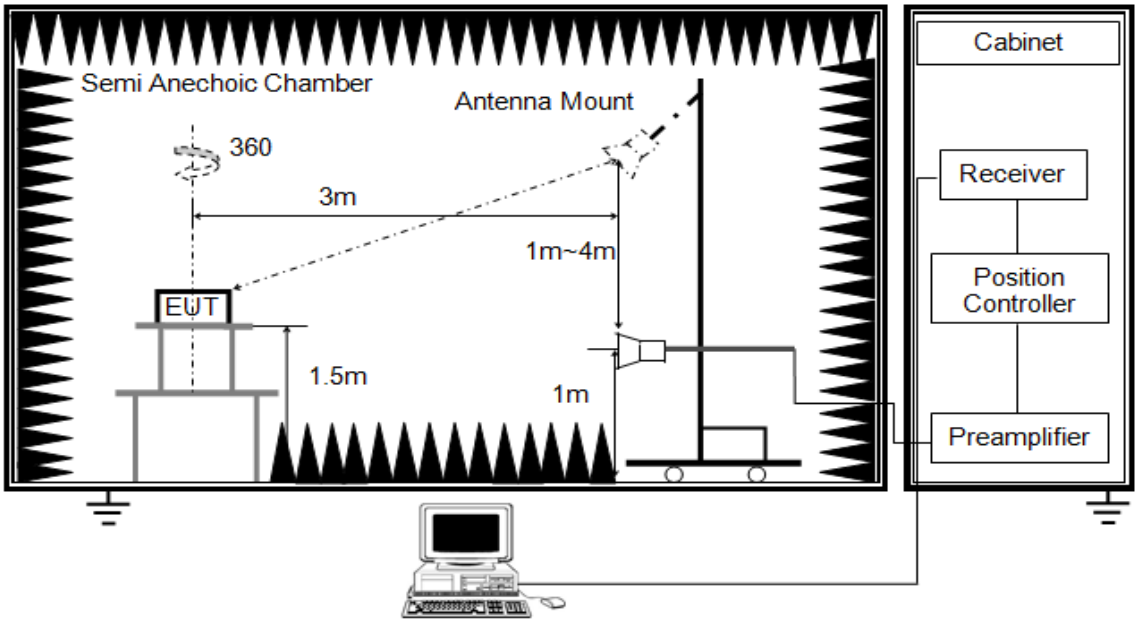
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations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

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.

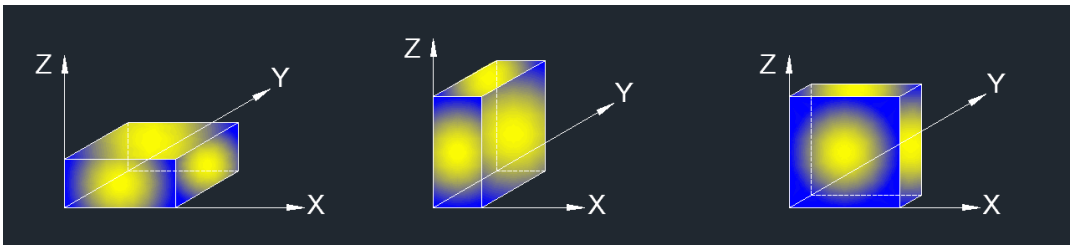
3. The EUT was placed on a turntable with 1.5 m above ground.

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 7.1.ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



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

Note 2: The EUT do not support transmit simultaneously for SRD 2.4G and SRD 5G.

Note 3: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

TEST ENVIRONMENT

Temperature	24.3 °C	Relative Humidity	61 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 6.8 V

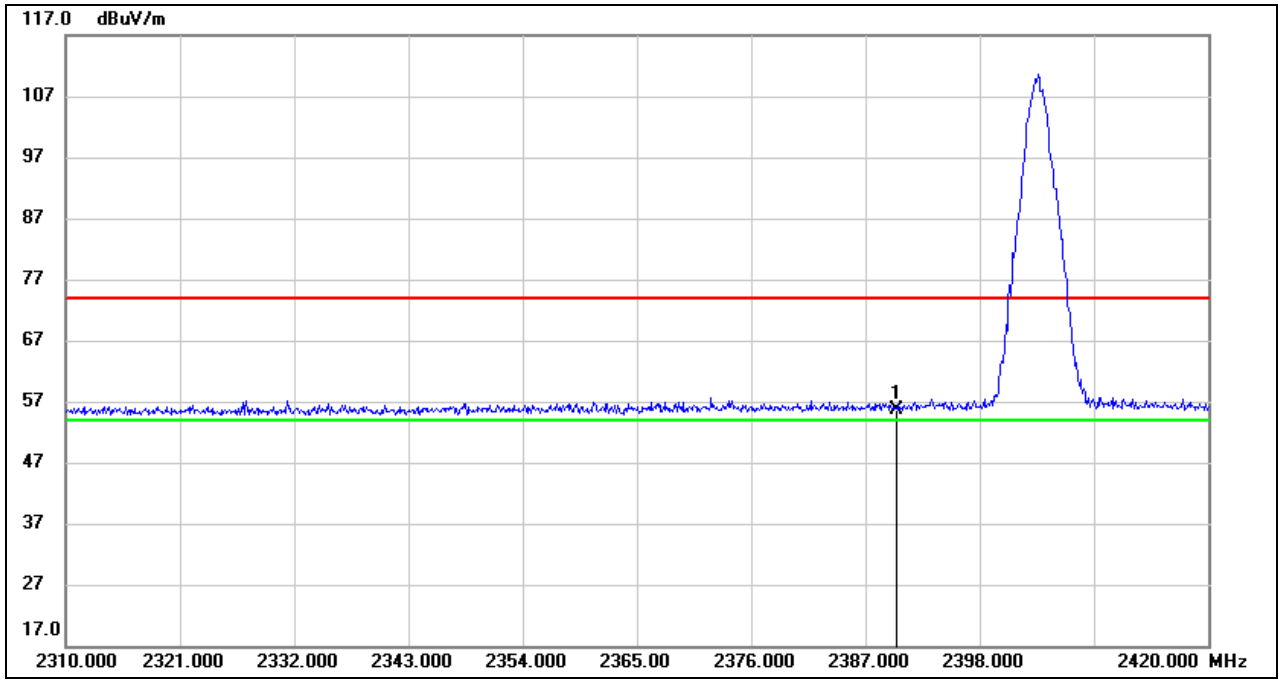
RESULTS

8.1. RESTRICTED BANDEDGE

8.1.1. 2.4 GHz SRD 1.4 MHz MODE

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)

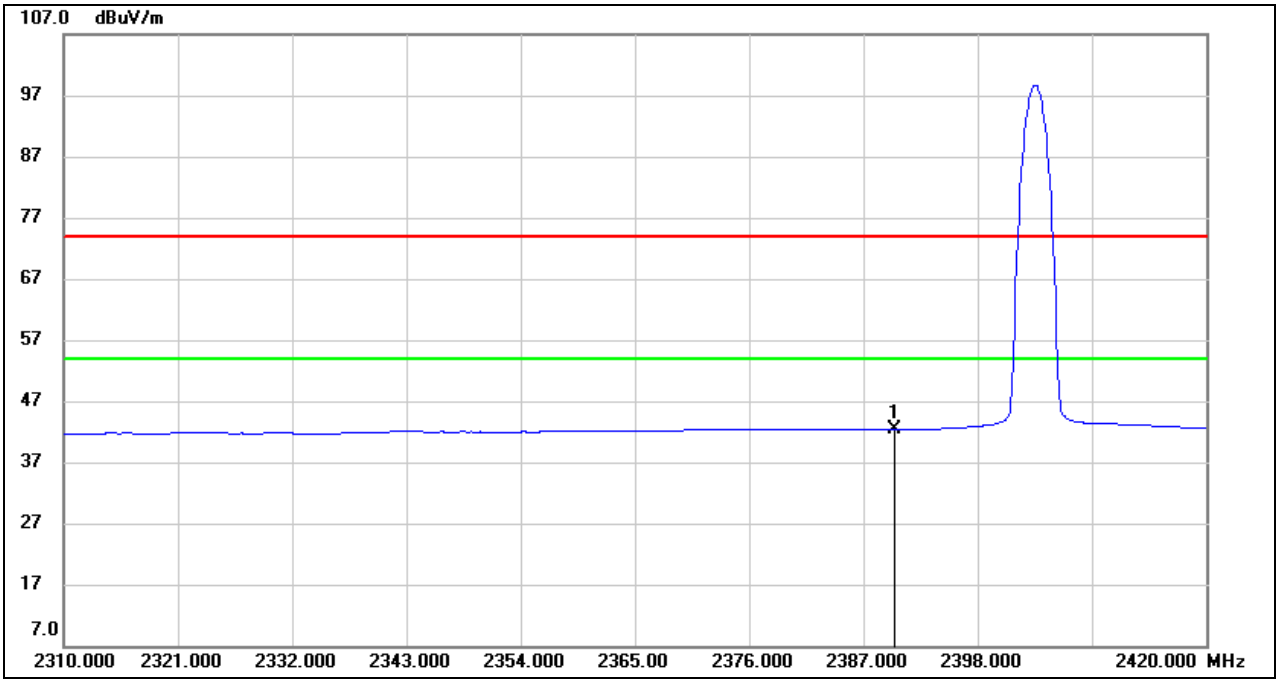
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	23.41	32.16	55.57	74.00	-18.43	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

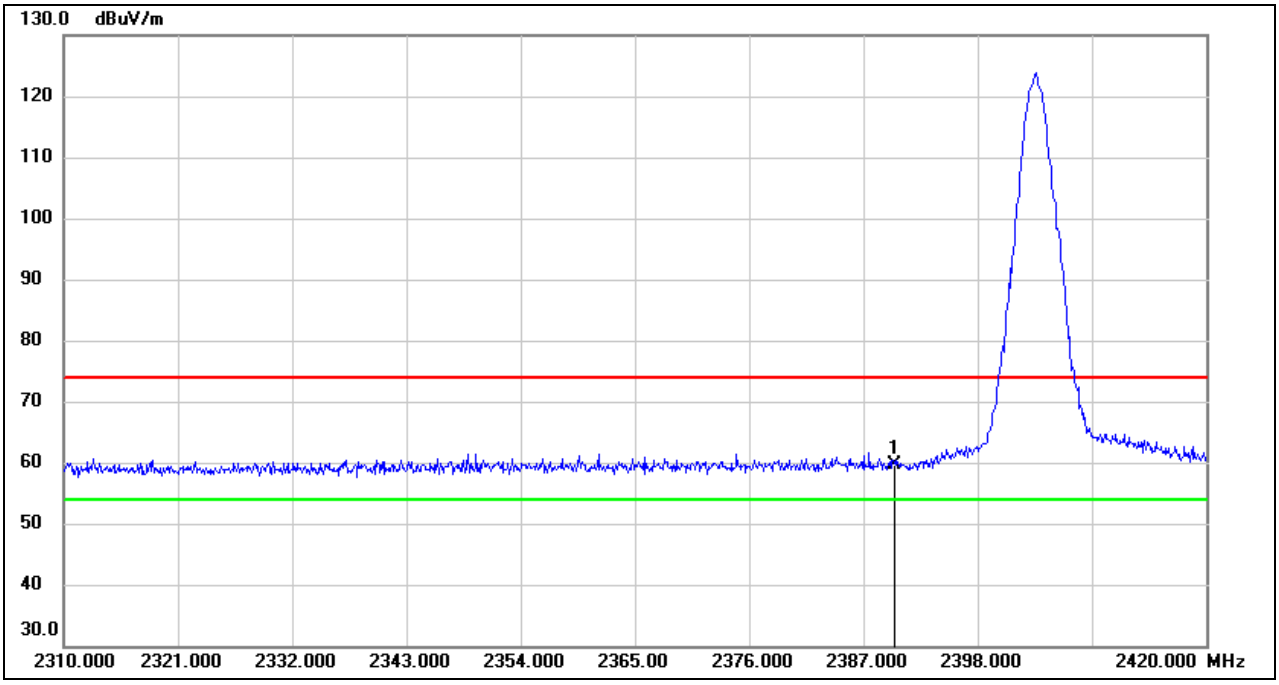


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	10.22	32.16	42.38	54.00	-11.62	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

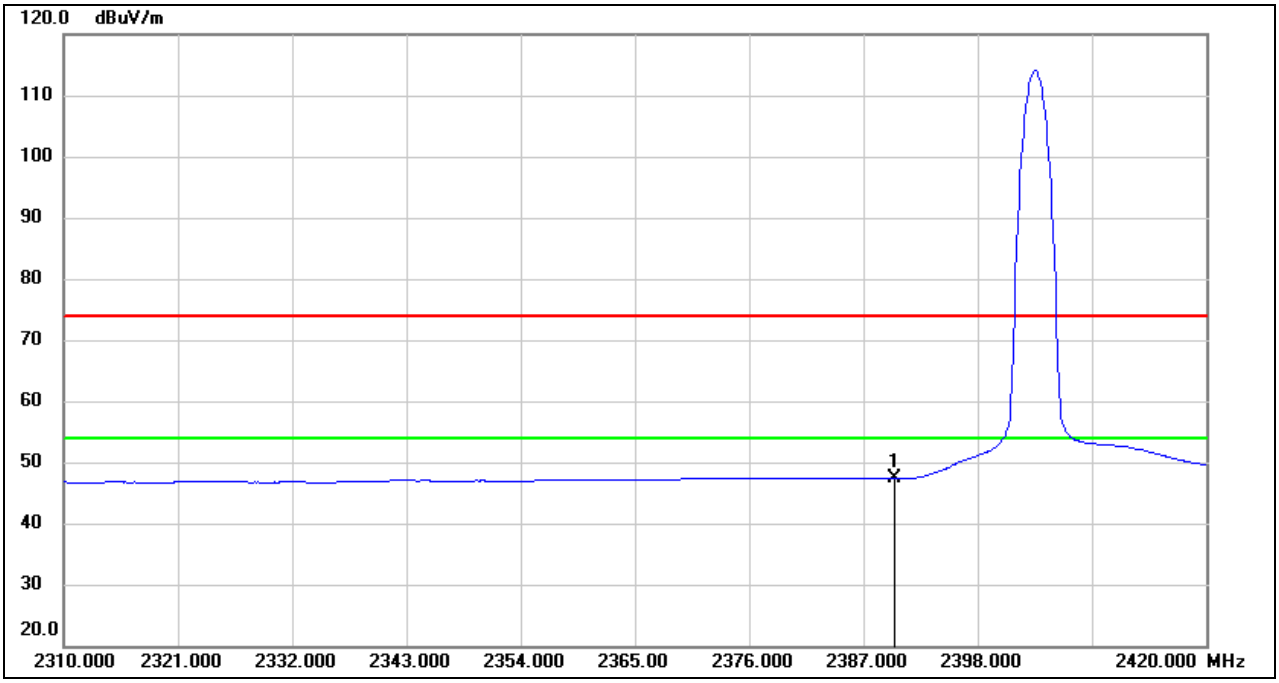
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	27.36	32.16	59.52	74.00	-14.48	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

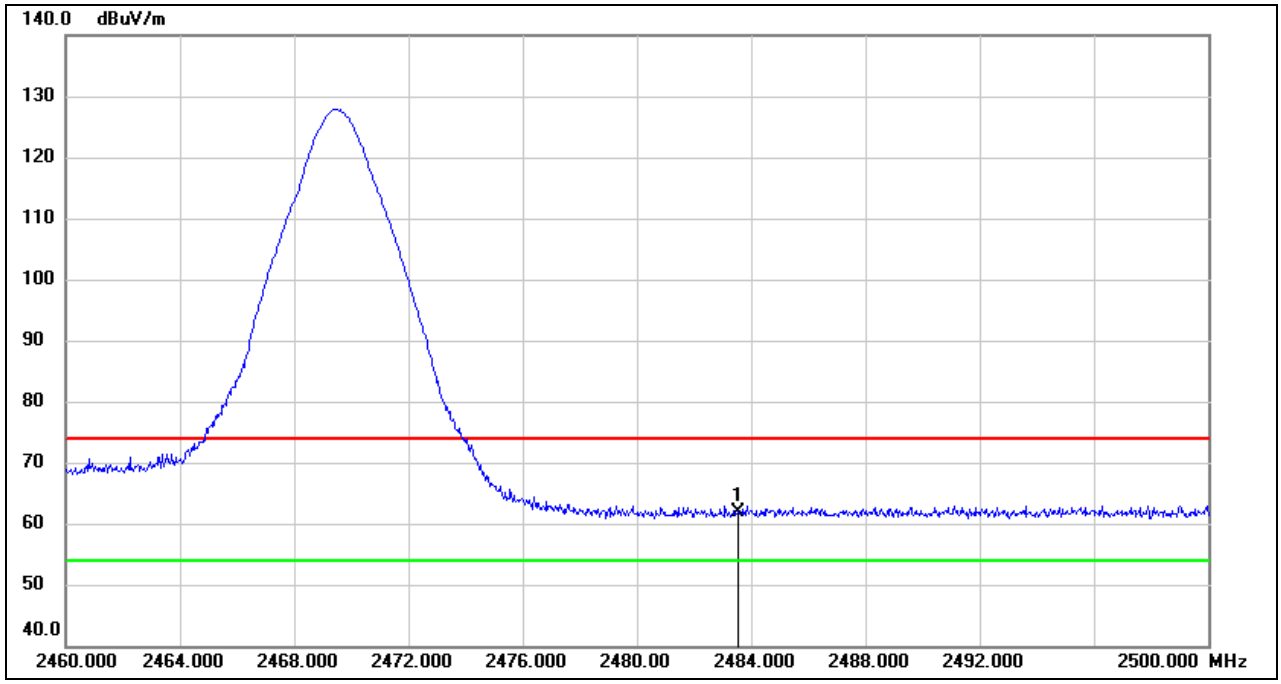


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	15.25	32.16	47.41	54.00	-6.59	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

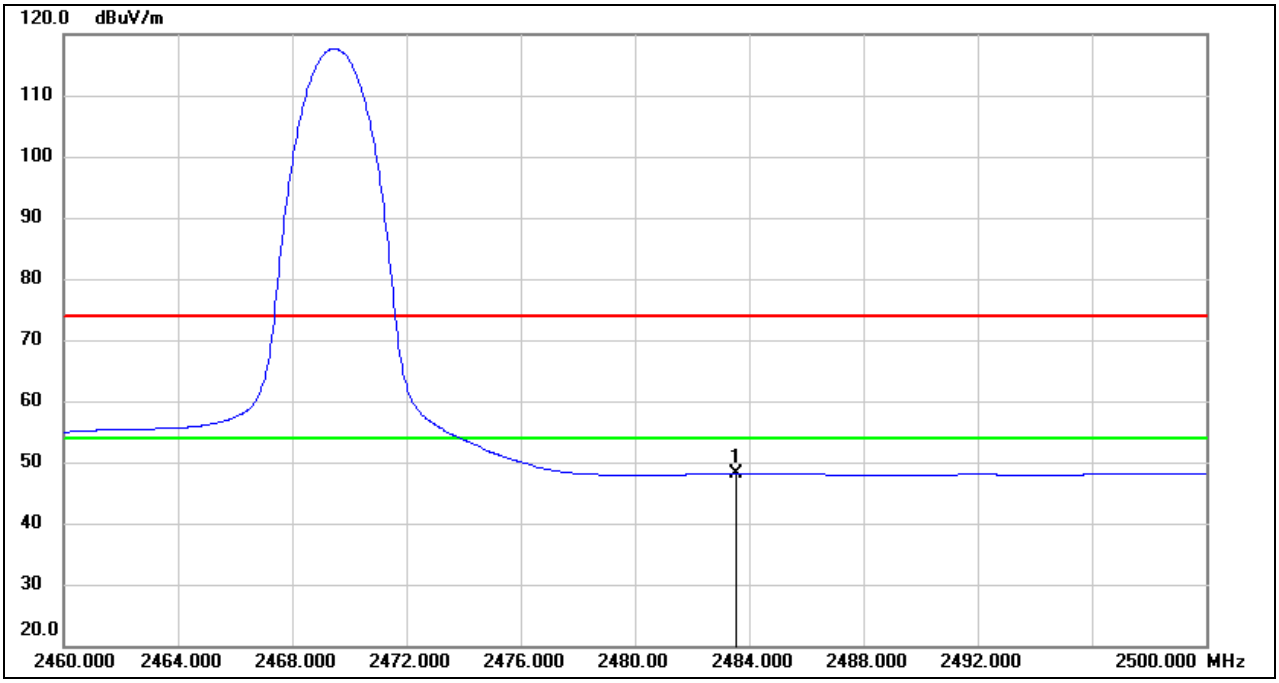
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.39	32.44	61.83	74.00	-12.17	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.61	32.44	48.05	54.00	-5.95	AVG

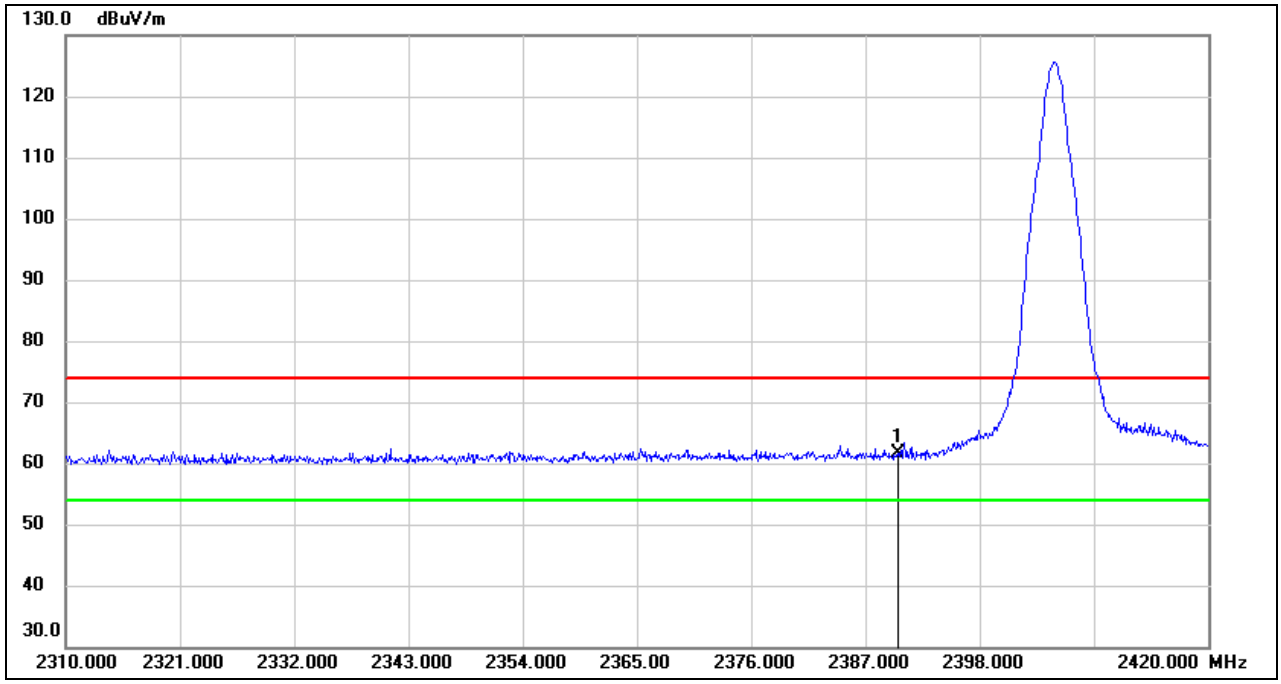
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.2. 2.4 GHz SRD 1.4 MHz CA MODE

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

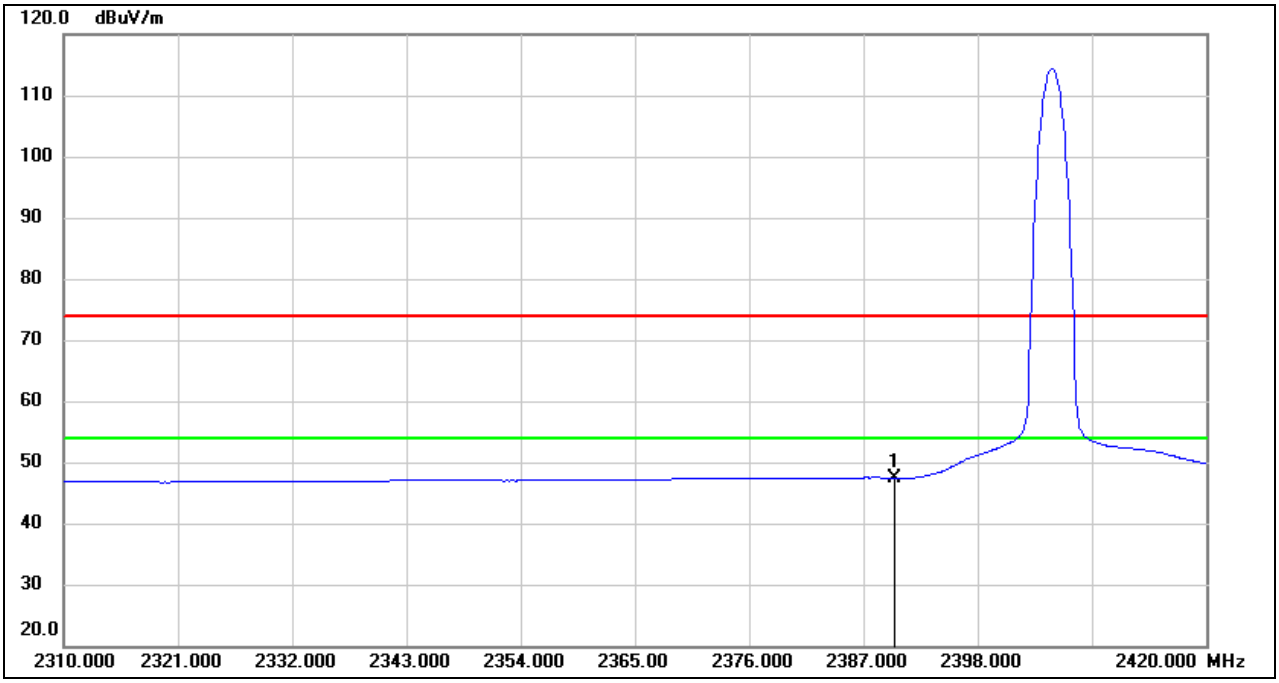
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.35	32.16	61.51	74.00	-12.49	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

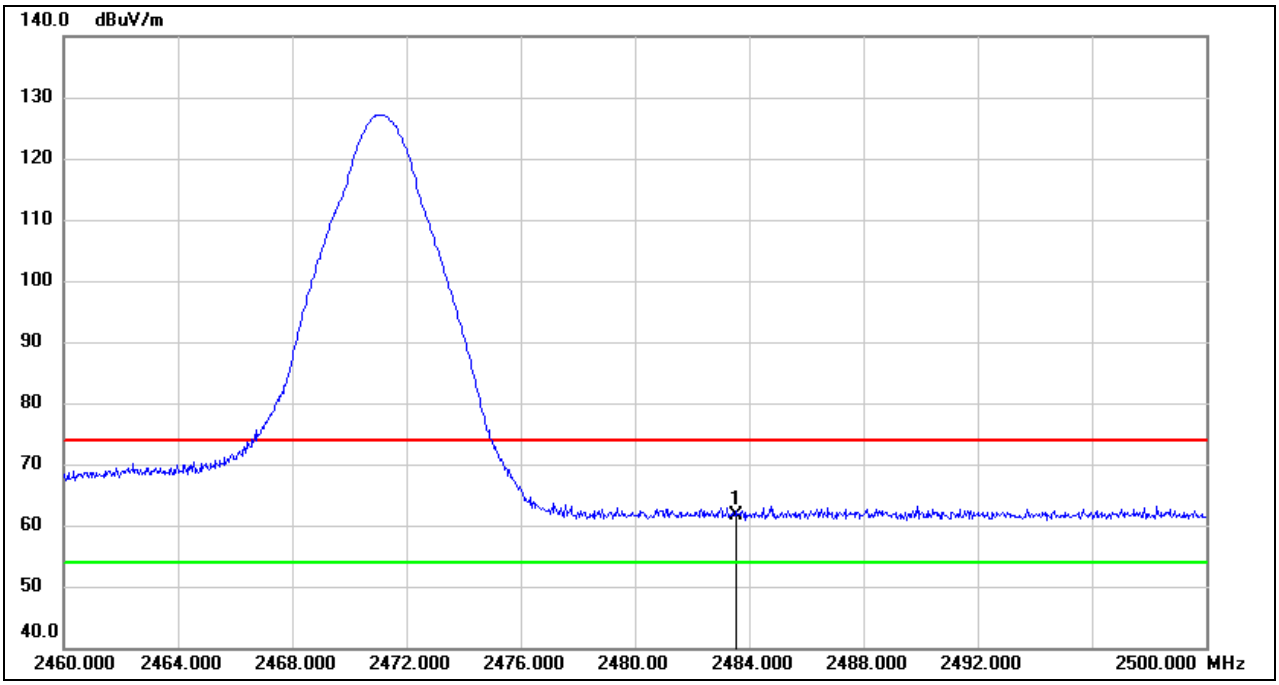


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	15.30	32.16	47.46	54.00	-6.54	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

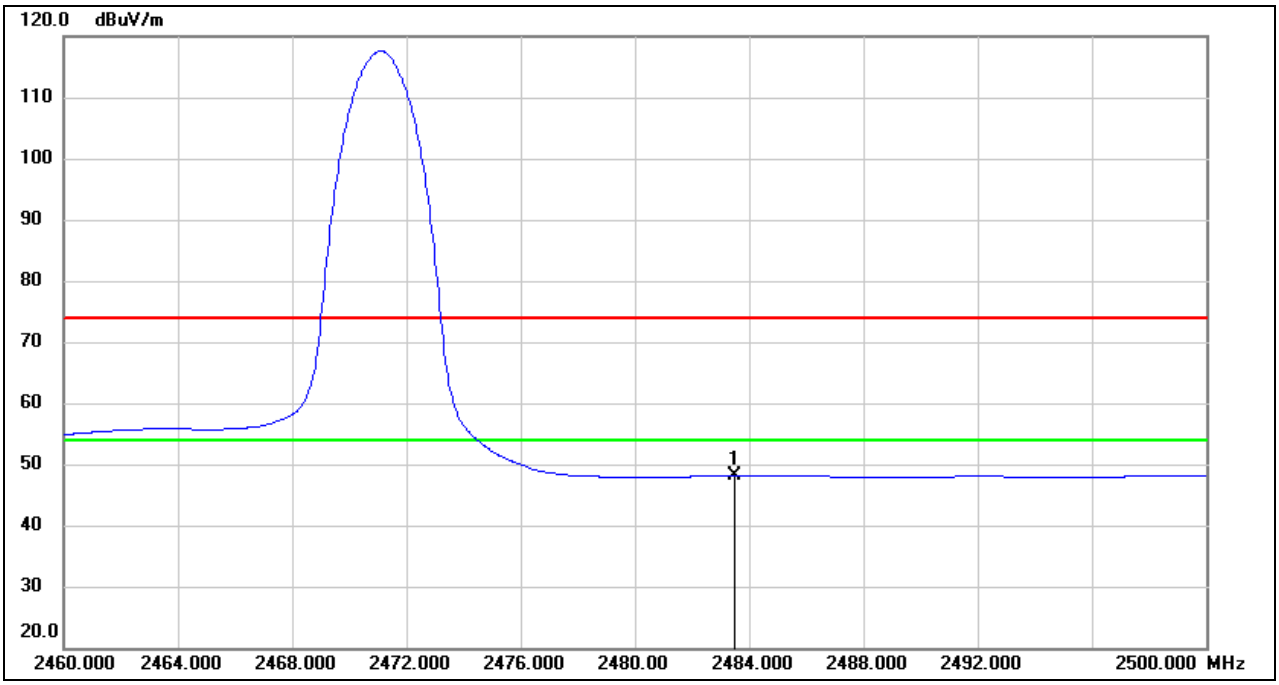
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.30	32.44	61.74	74.00	-12.26	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.63	32.44	48.07	54.00	-5.93	AVG

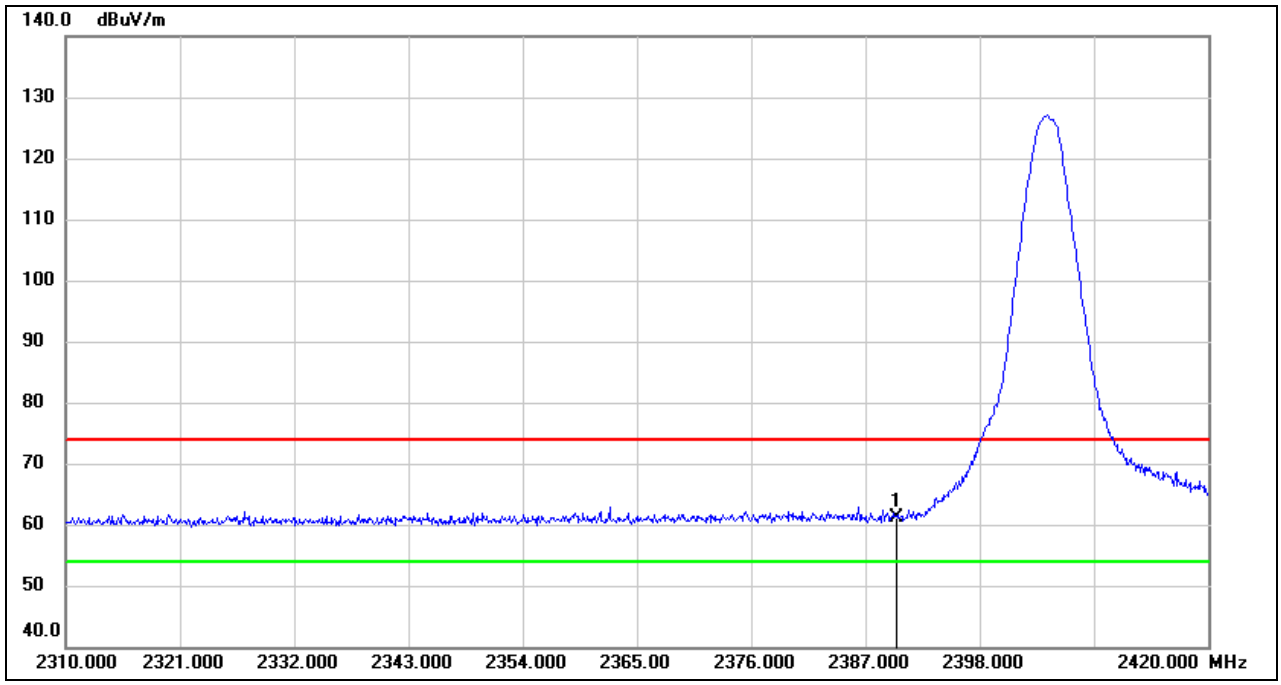
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.3. 2.4 GHz SRD 3 MHz MODE

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

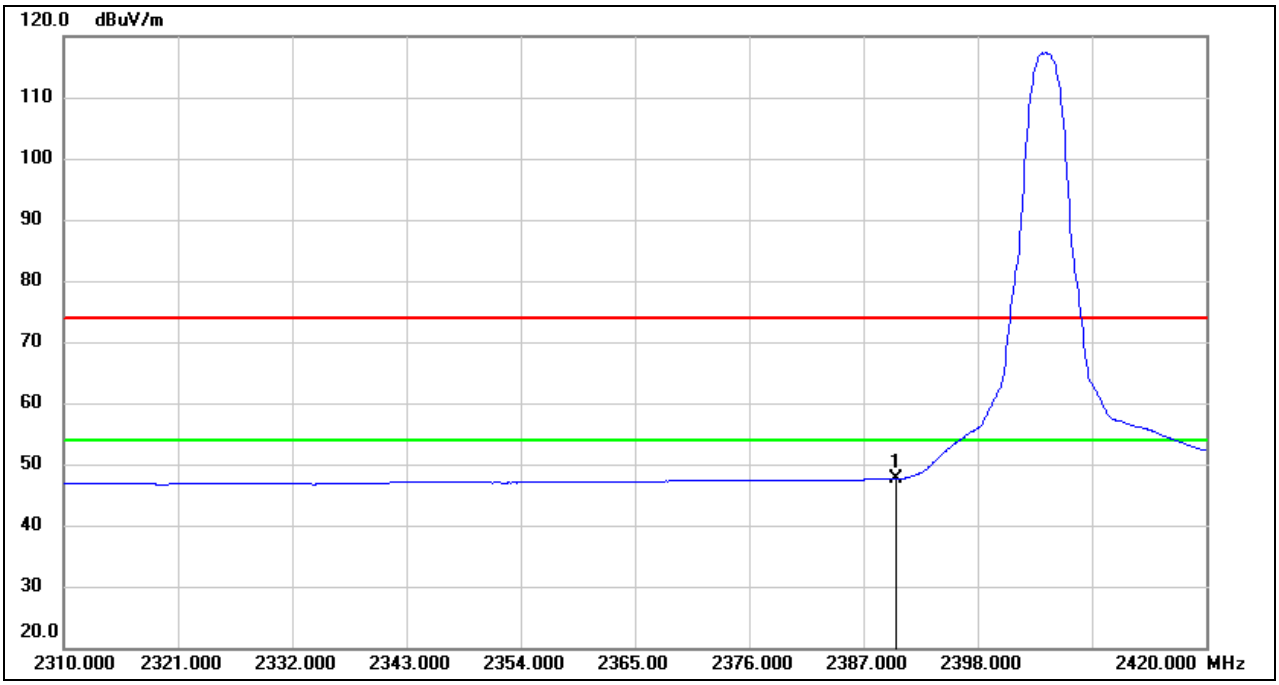
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.89	32.16	61.05	74.00	-12.95	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

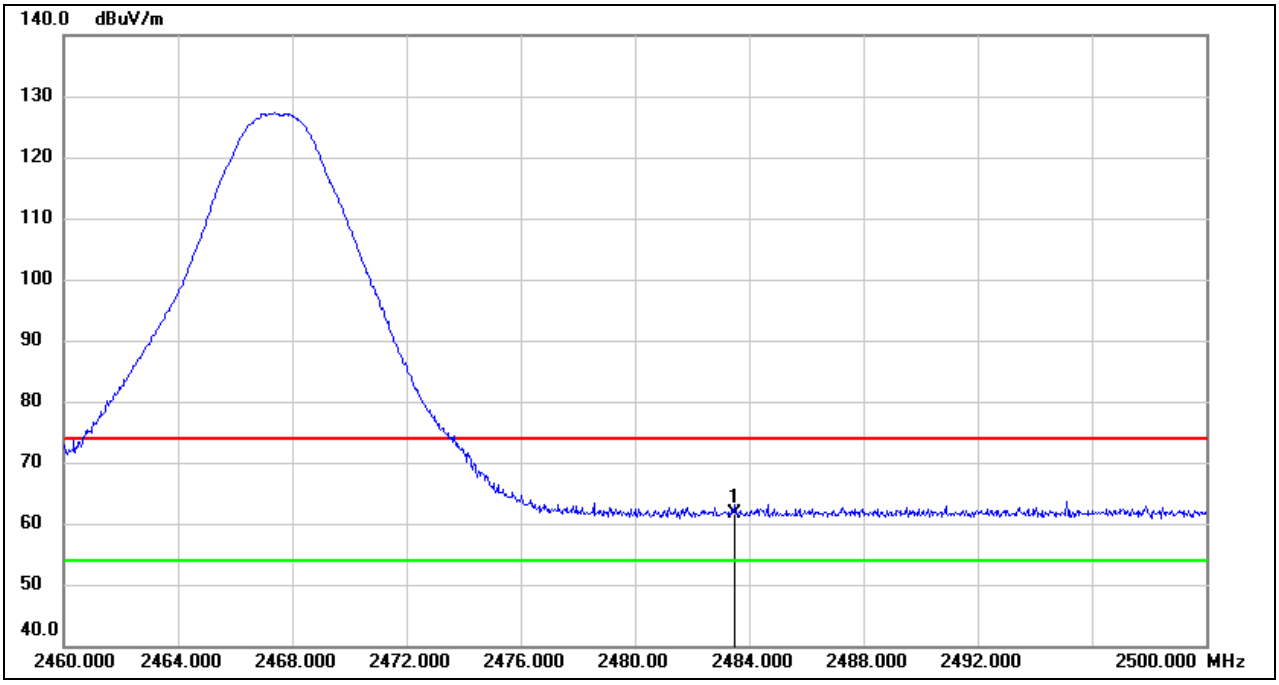


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	15.53	32.16	47.69	54.00	-6.31	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

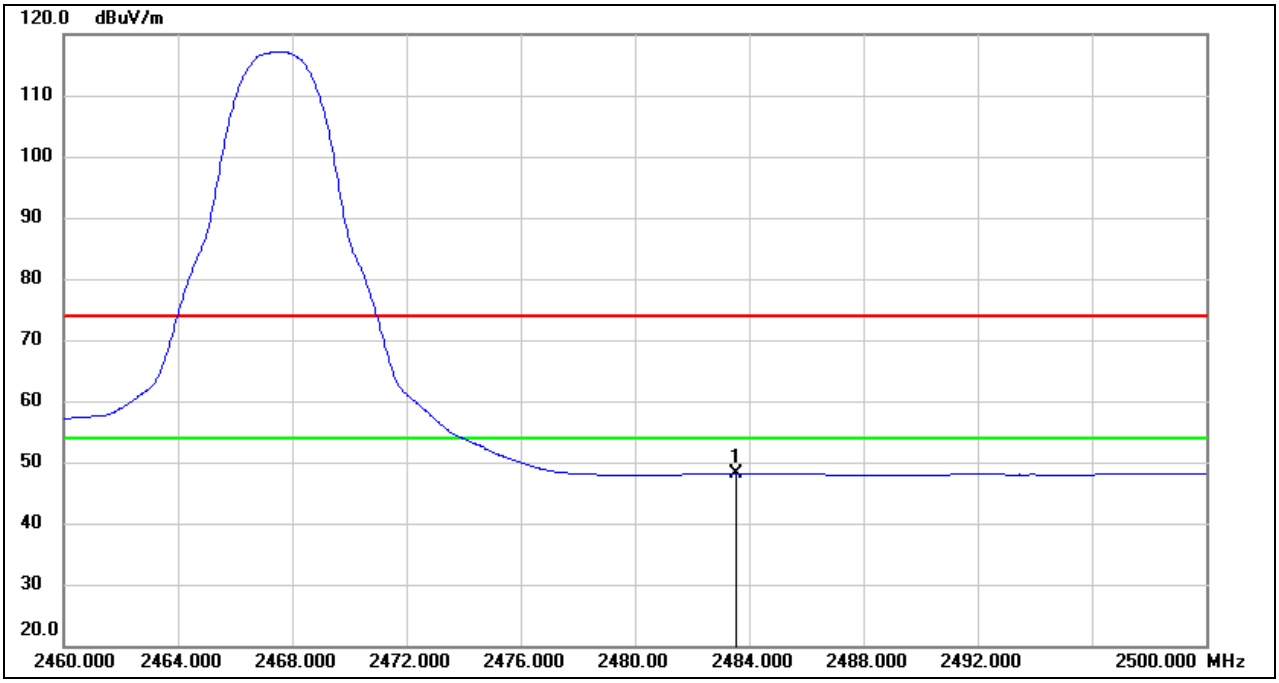
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.28	32.44	61.72	74.00	-12.28	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.61	32.44	48.05	54.00	-5.95	AVG

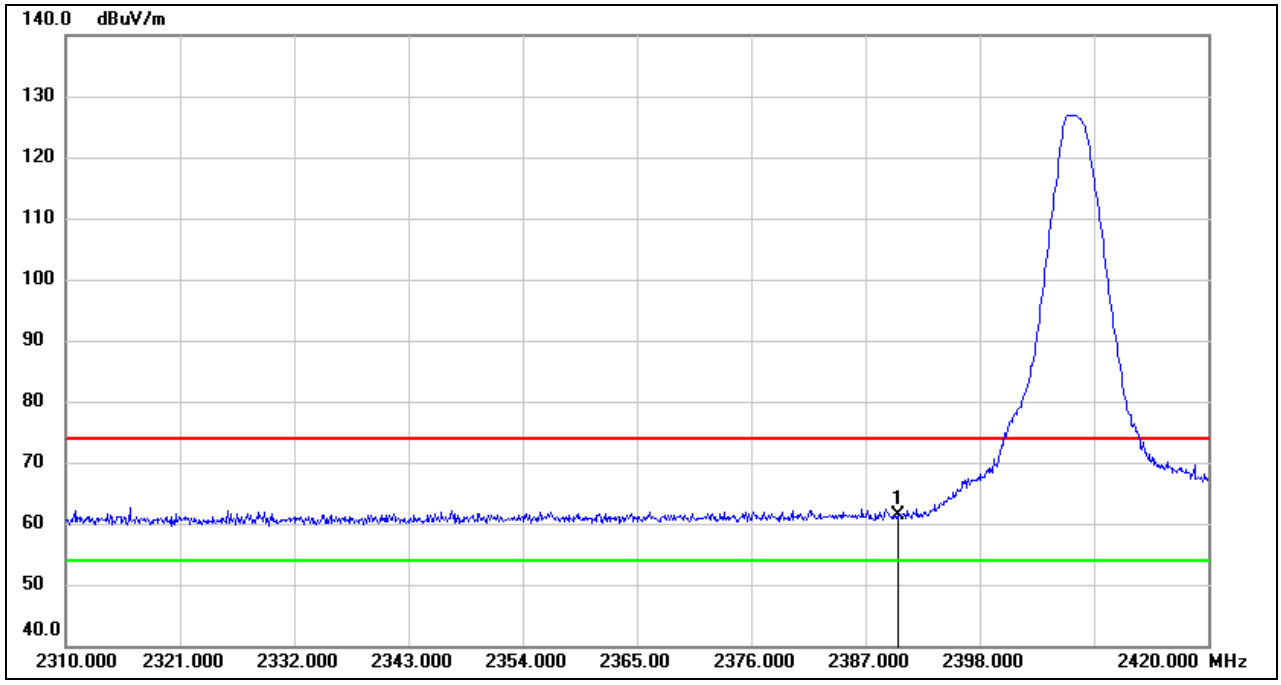
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.4. 2.4 GHz SRD 3 MHz CA MODE

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

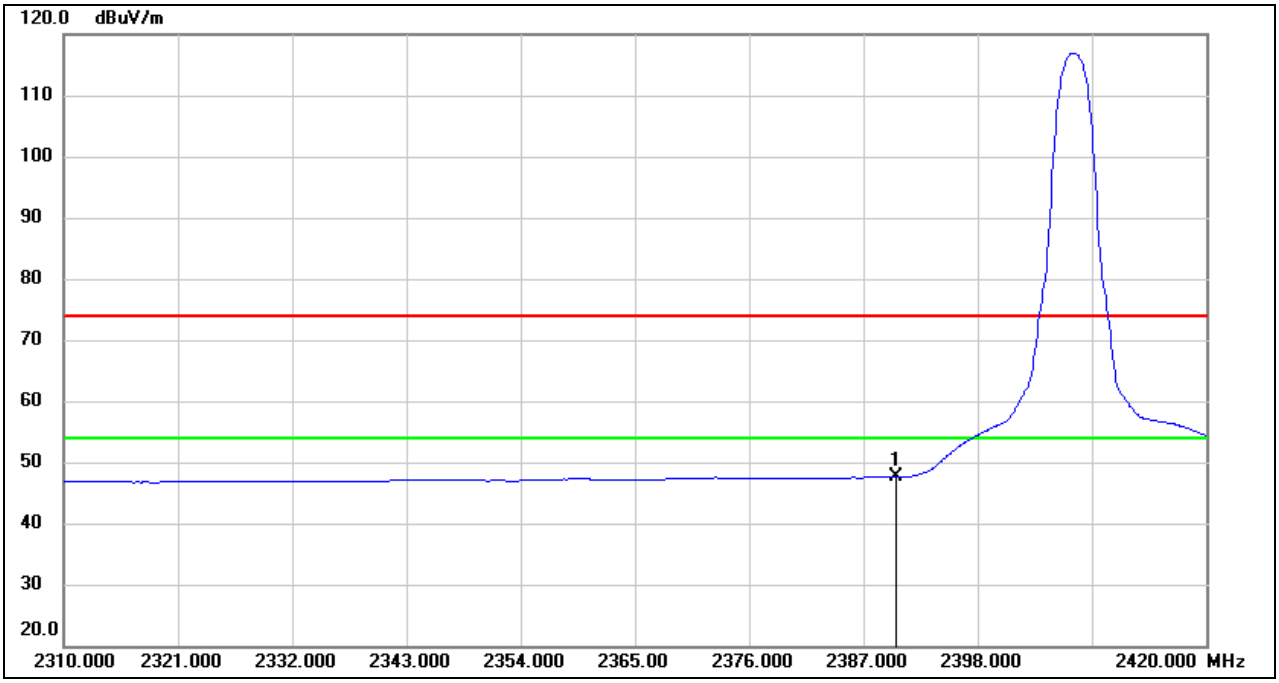
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.33	32.16	61.49	74.00	-12.51	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

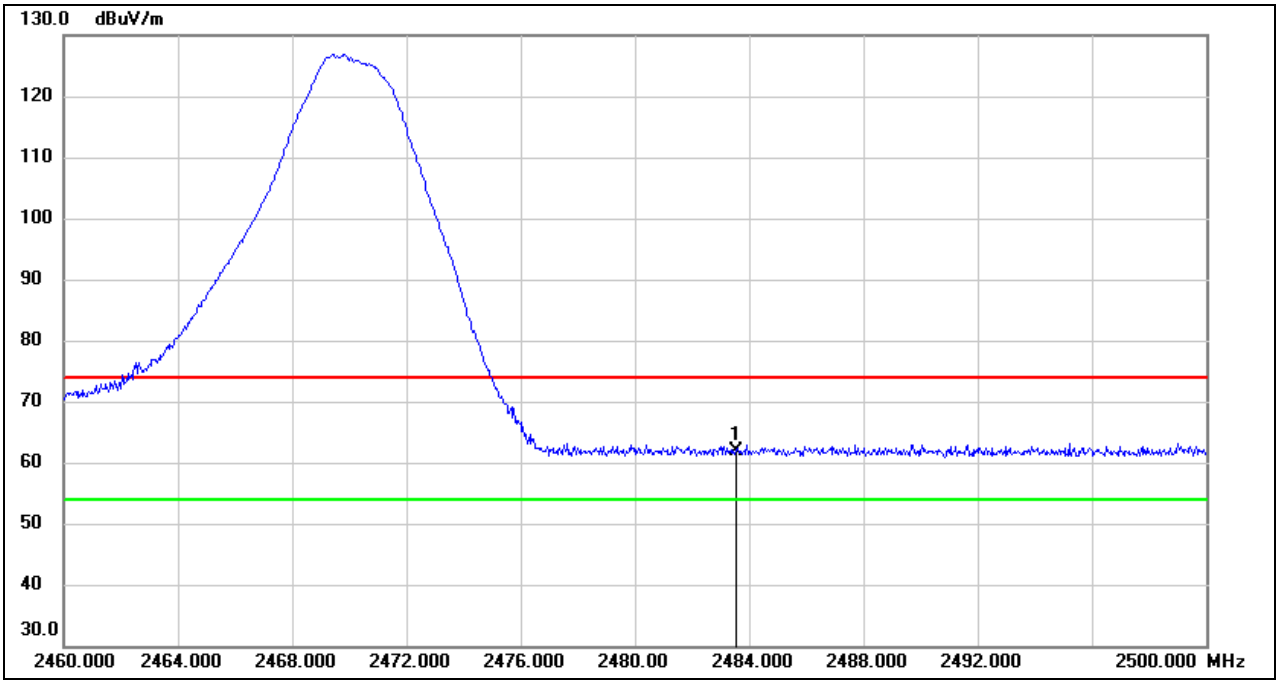


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2390.000	15.39	32.16	47.55	54.00	-6.45	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

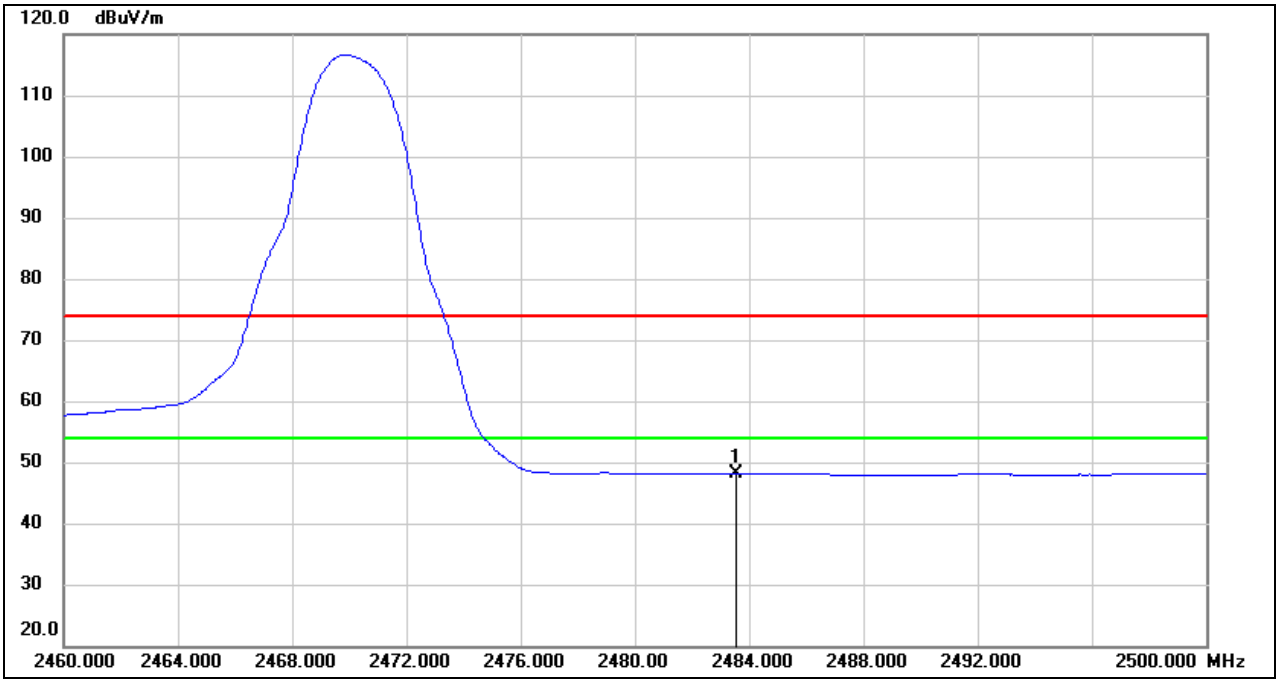
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.52	32.44	61.96	74.00	-12.04	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	15.62	32.44	48.06	54.00	-5.94	AVG

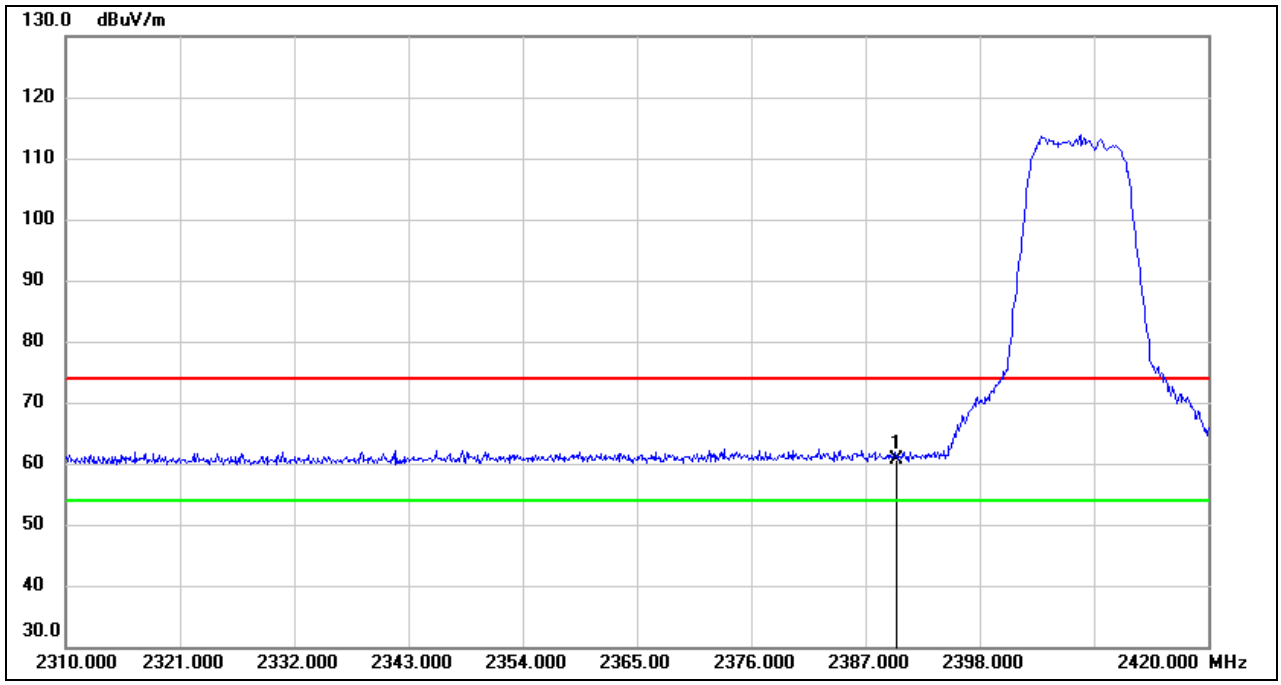
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.5. 2.4 GHz SRD 10 MHz MODE

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

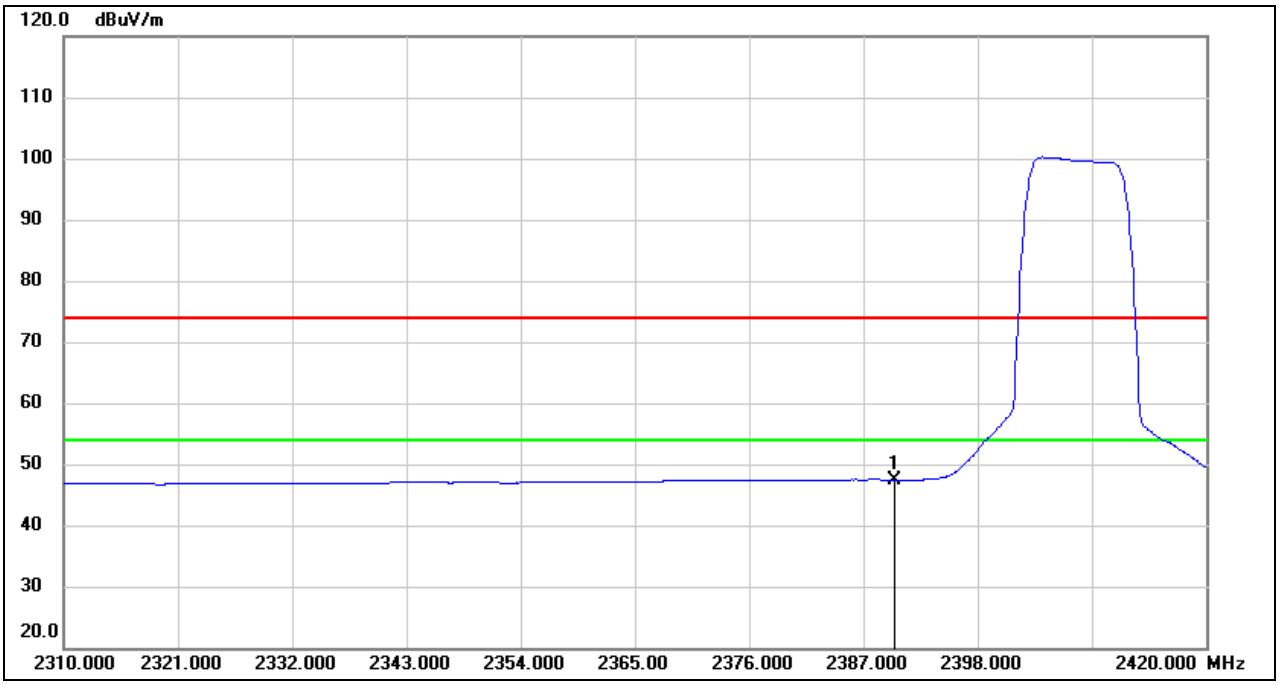
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.55	32.16	60.71	74.00	-13.29	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

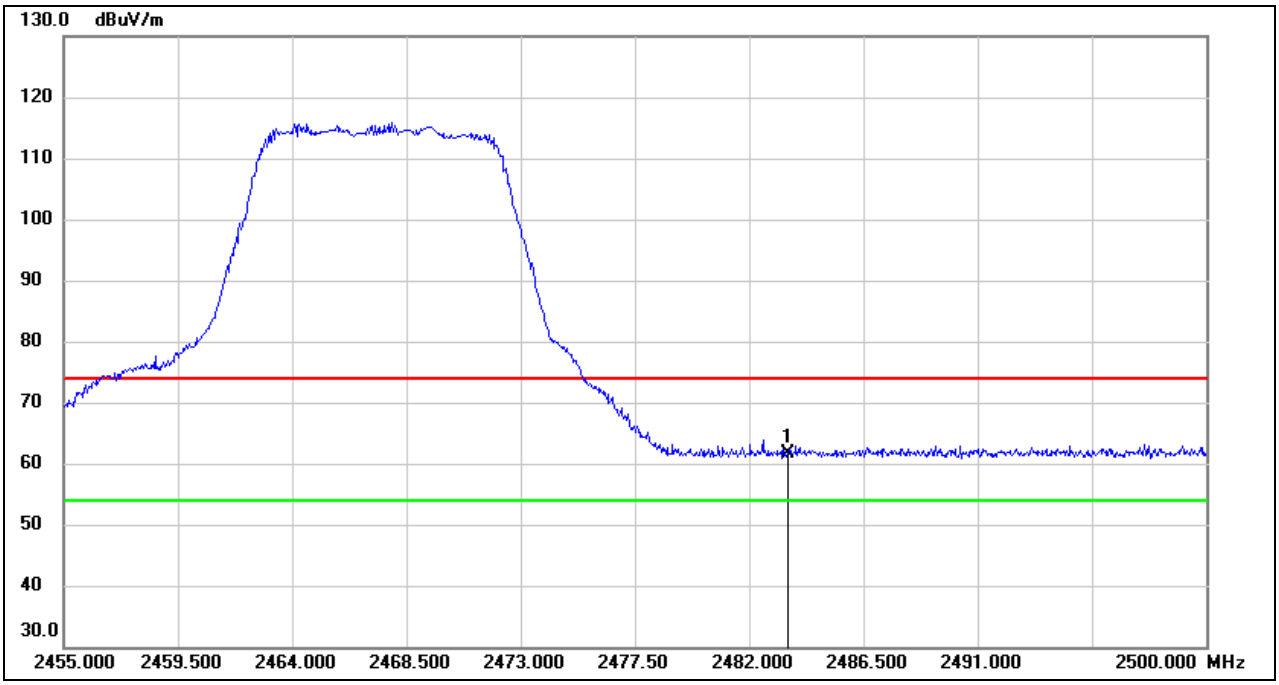


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	15.26	32.16	47.42	54.00	-6.58	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

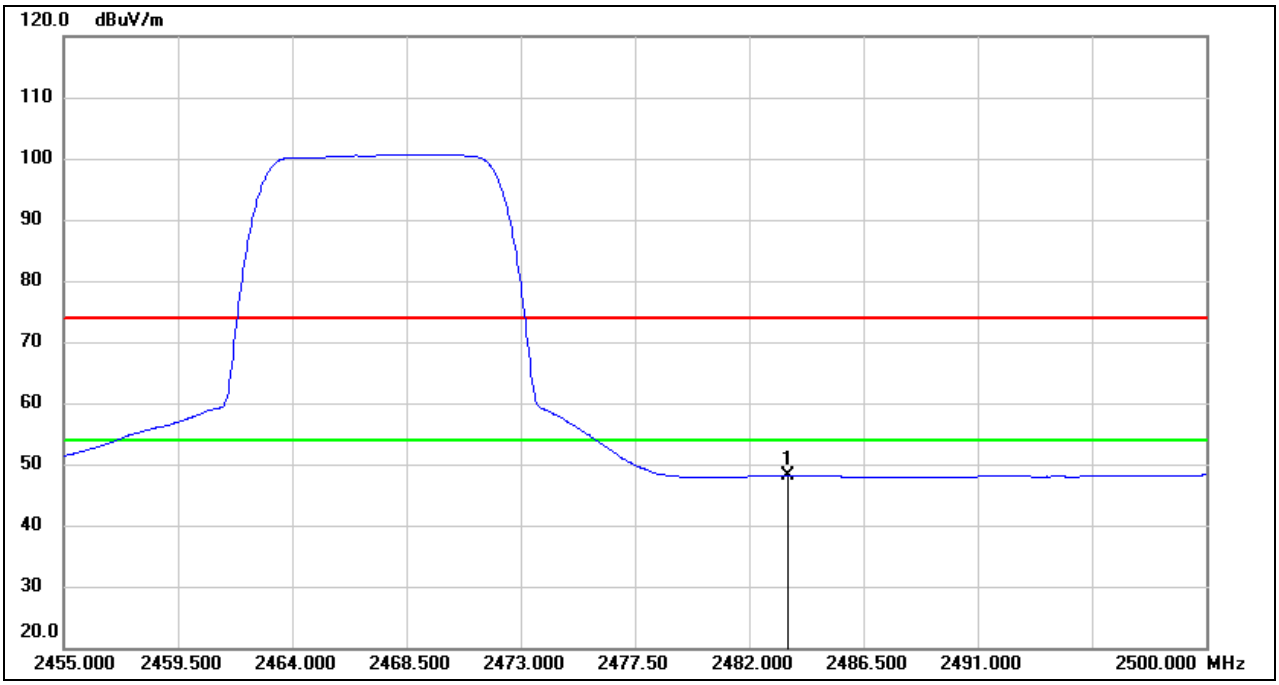
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.26	32.44	61.70	74.00	-12.30	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.62	32.44	48.06	54.00	-5.94	AVG

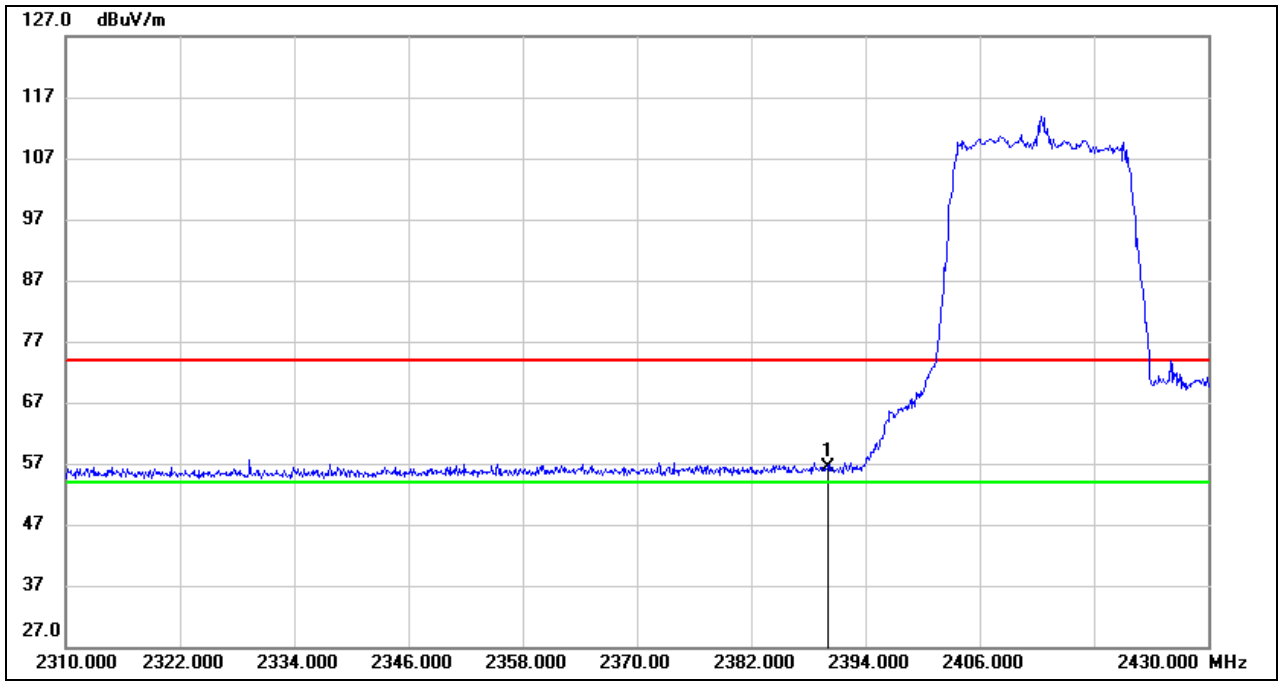
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
4. For the transmitting duration, please refer to clause 7.1.
5. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.6. 2.4 GHz SRD 20 MHz MODE

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

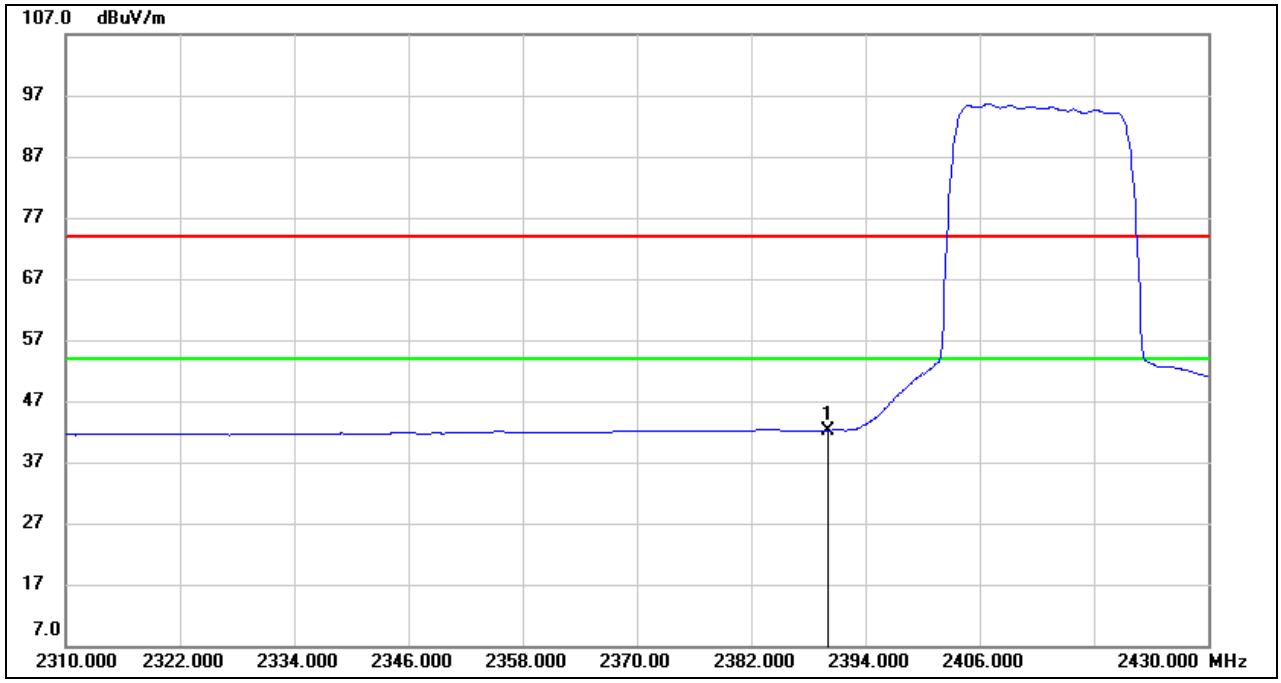
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	24.34	32.16	56.50	74.00	-17.50	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

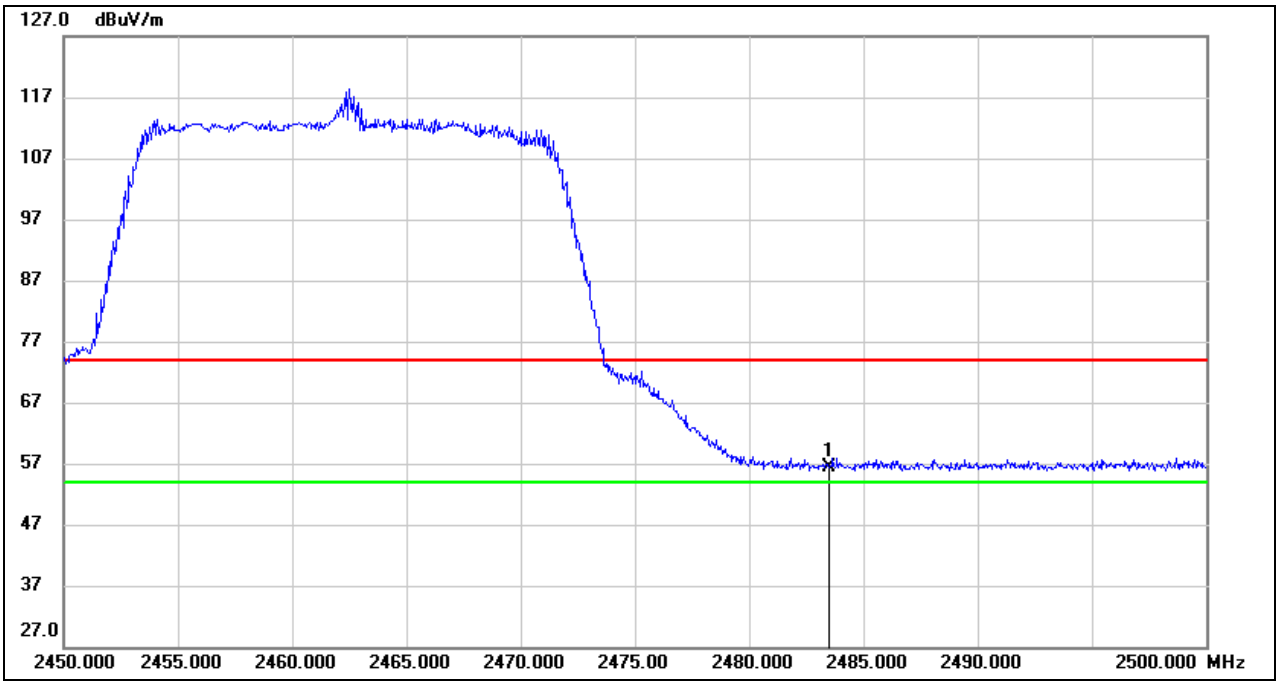


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	10.09	32.16	42.25	54.00	-11.75	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

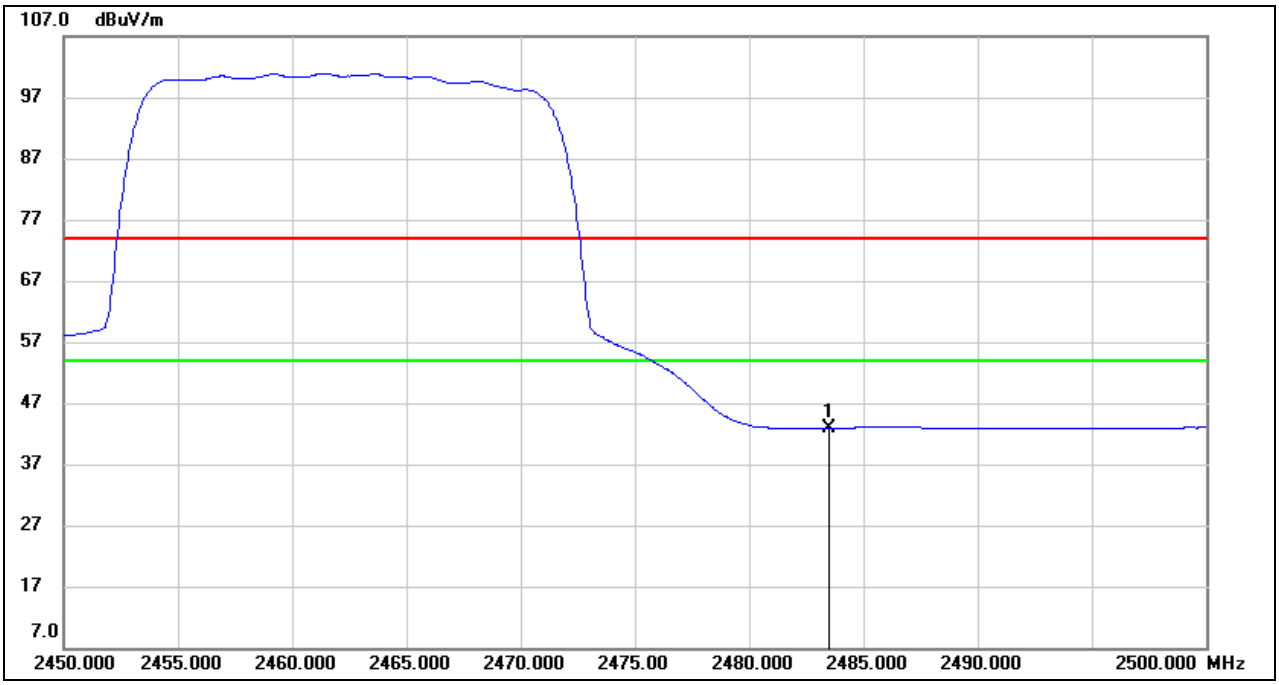
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	23.86	32.44	56.30	74.00	-17.70	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	10.47	32.44	42.91	54.00	-11.09	AVG

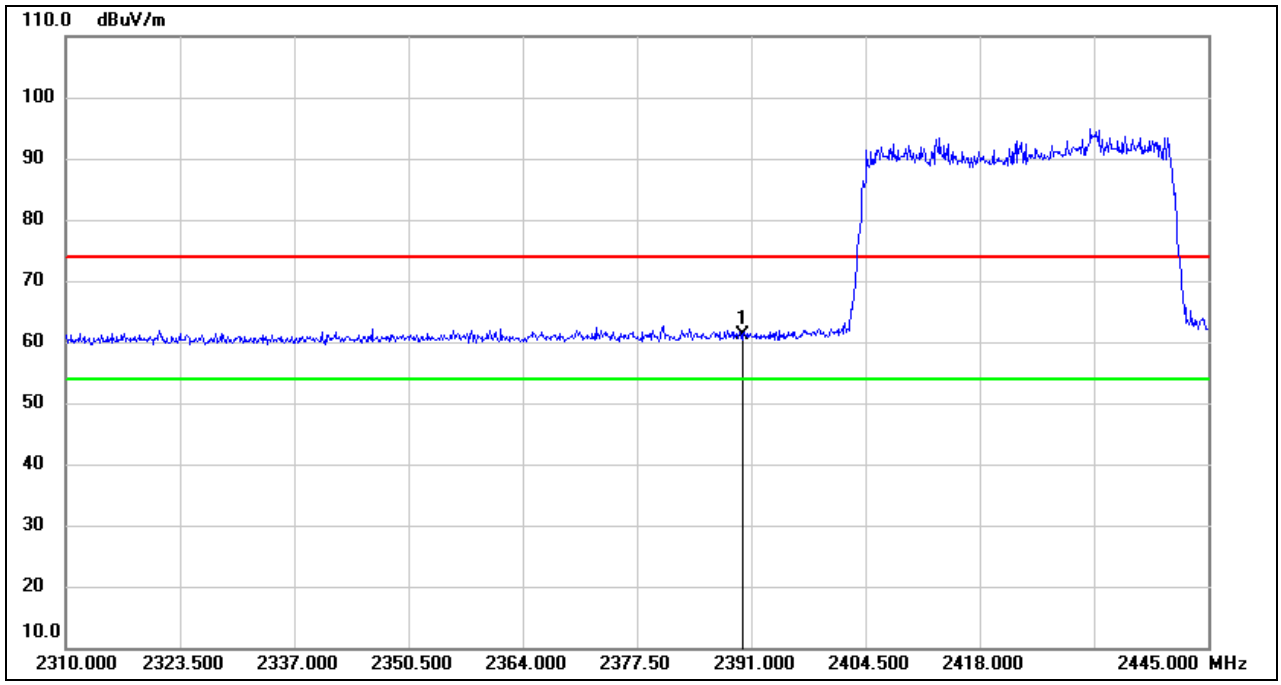
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

8.1.7. 2.4 GHz SRD 40 MHz MODE

RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

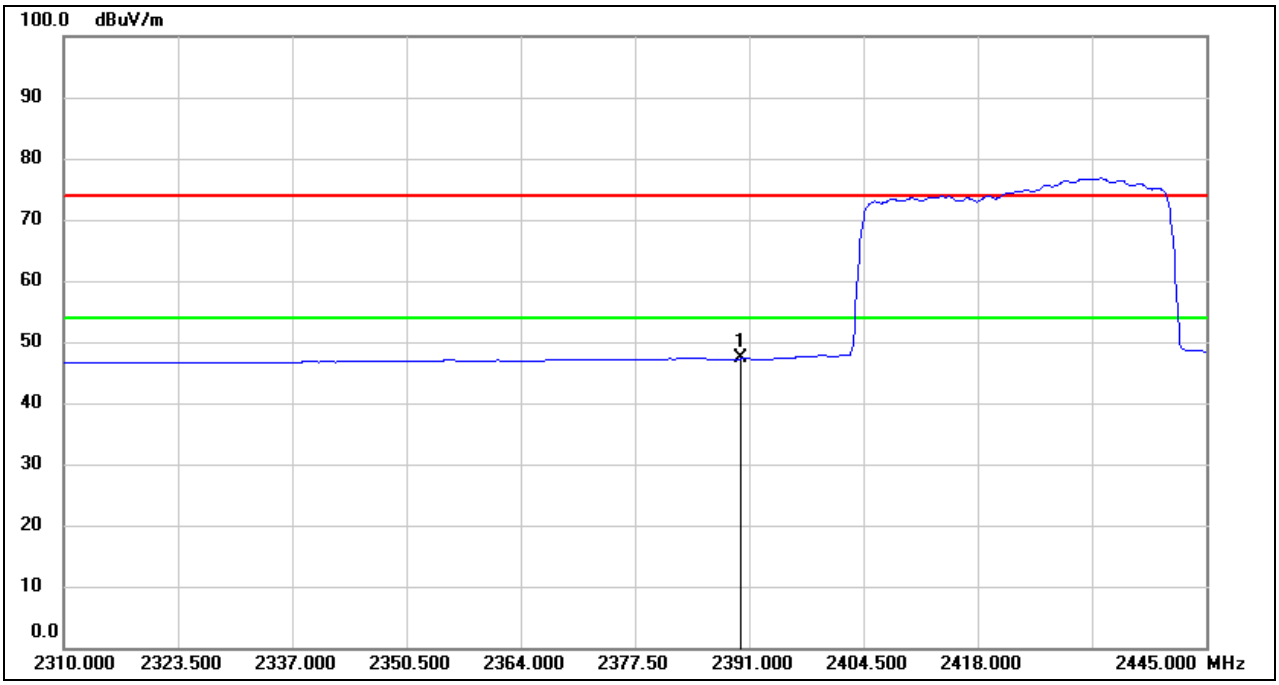
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.87	32.16	61.03	74.00	-12.97	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG

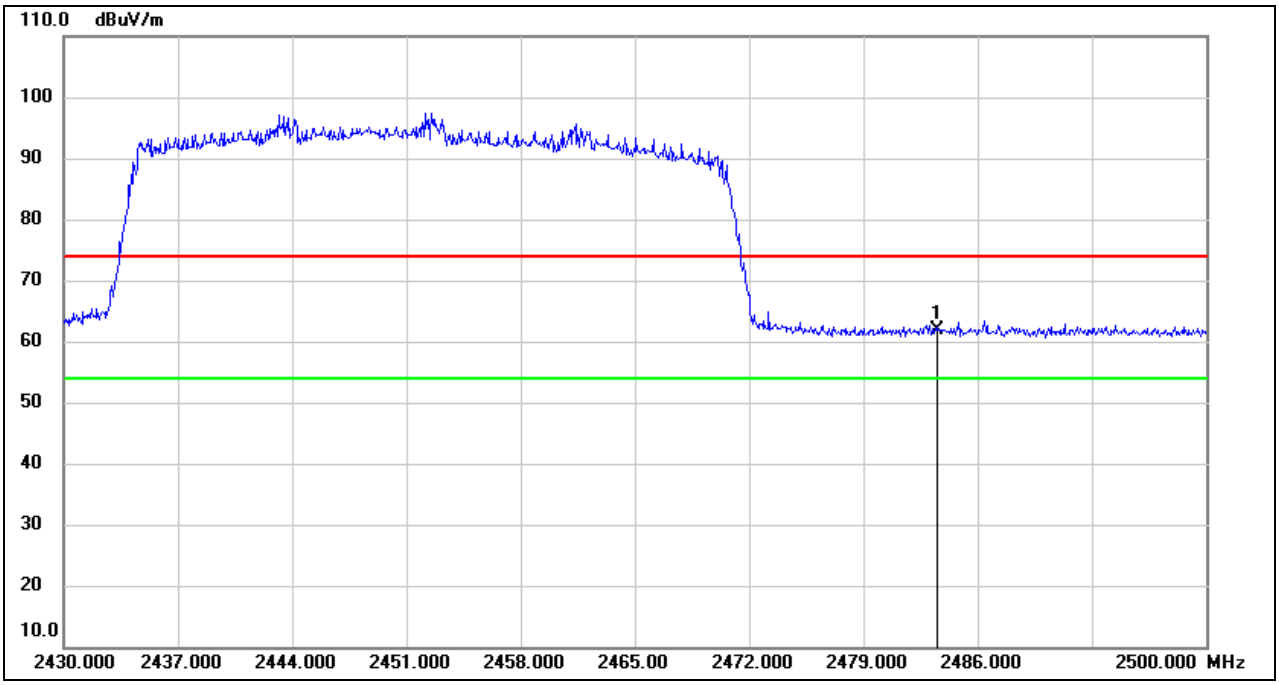


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	15.11	32.16	47.27	54.00	-6.73	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

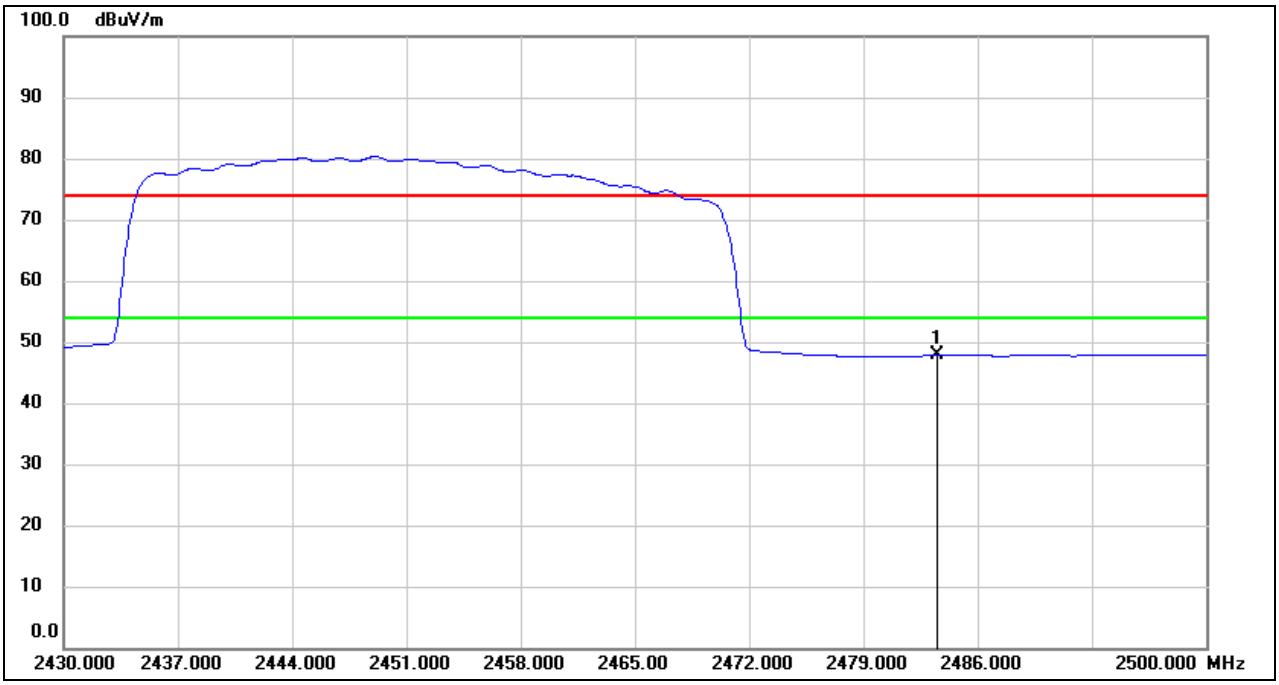
PEAK



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	29.48	32.44	61.92	74.00	-12.08	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

AVG



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	15.33	32.44	47.77	54.00	-6.23	AVG

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

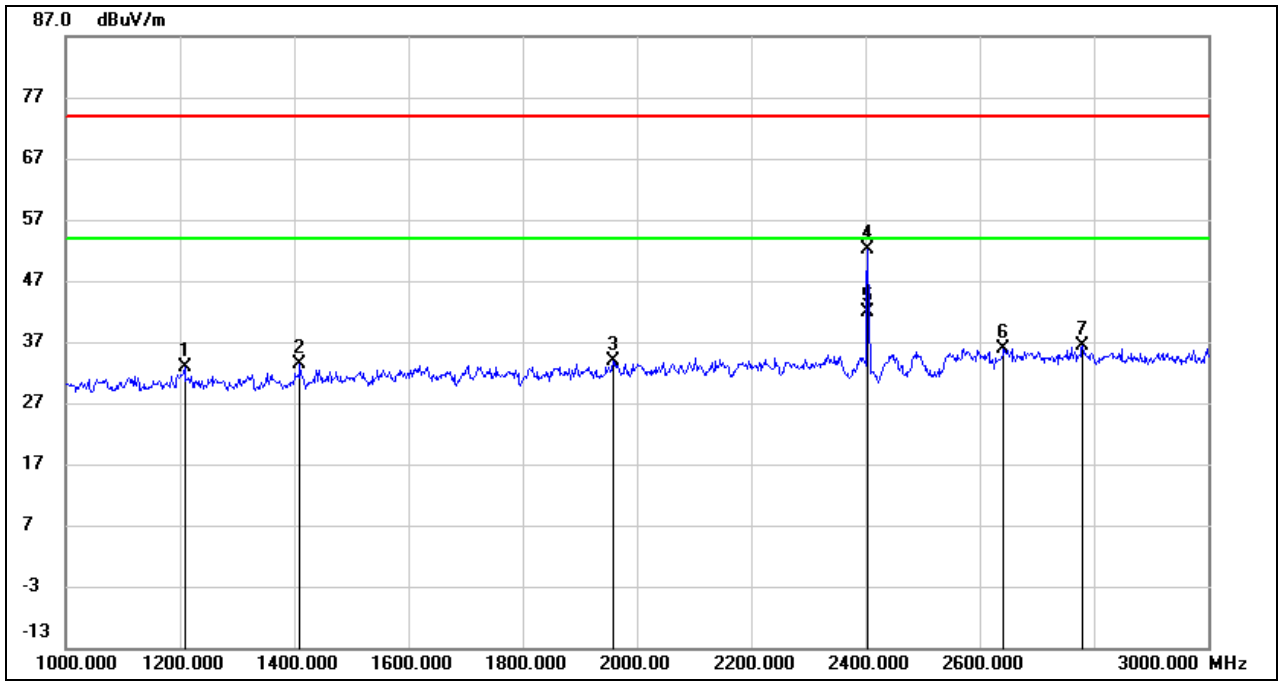
Note: Horizontal and Vertical have been tested, only the worst data was recorded in the report.

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

8.2. SPURIOUS EMISSIONS (1 GHz ~ 3 GHz)

8.2.1. 2.4 GHz SRD 1.4 MHz MODE

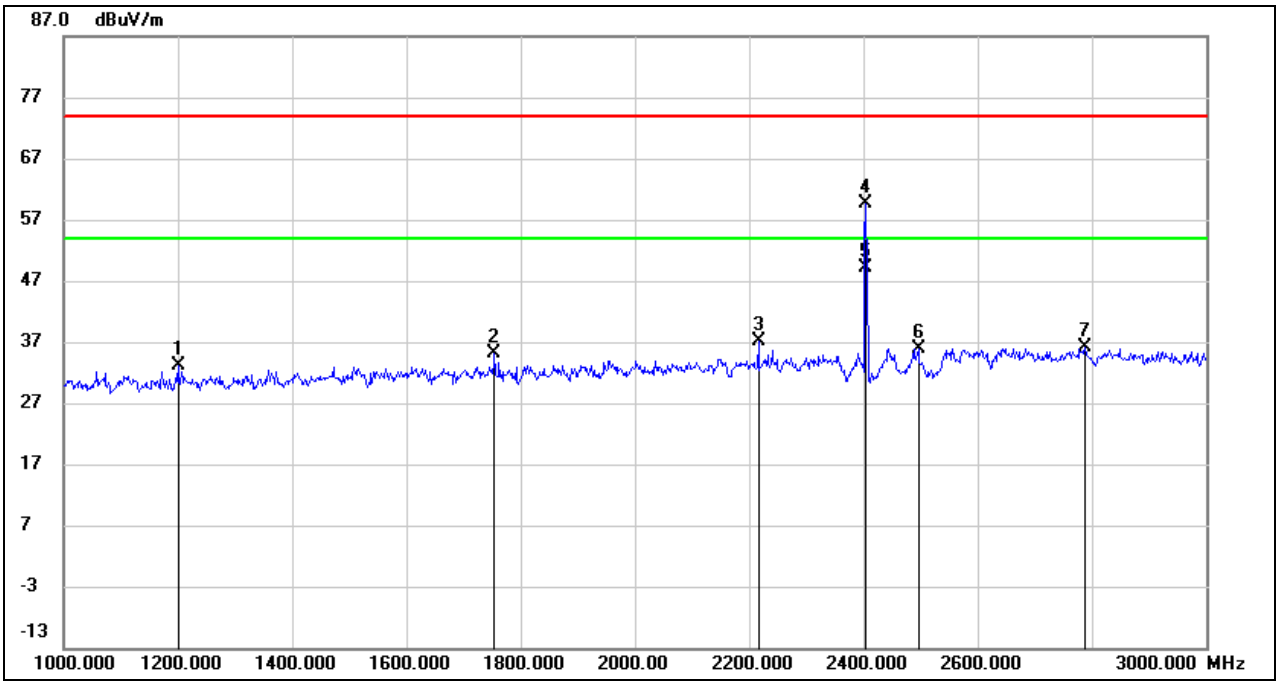
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1208.000	46.98	-14.06	32.92	74.00	-41.08	peak
2	1410.000	46.58	-13.13	33.45	74.00	-40.55	peak
3	1958.000	44.97	-11.20	33.77	74.00	-40.23	peak
4	2403.500	61.24	-8.99	52.25	/	/	Fundamental (Peak)
5	2403.500	50.88	-8.99	41.89	/	/	Fundamental (AVG)
6	2642.000	43.92	-8.06	35.86	74.00	-38.14	peak
7	2780.000	43.91	-7.64	36.27	74.00	-37.73	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

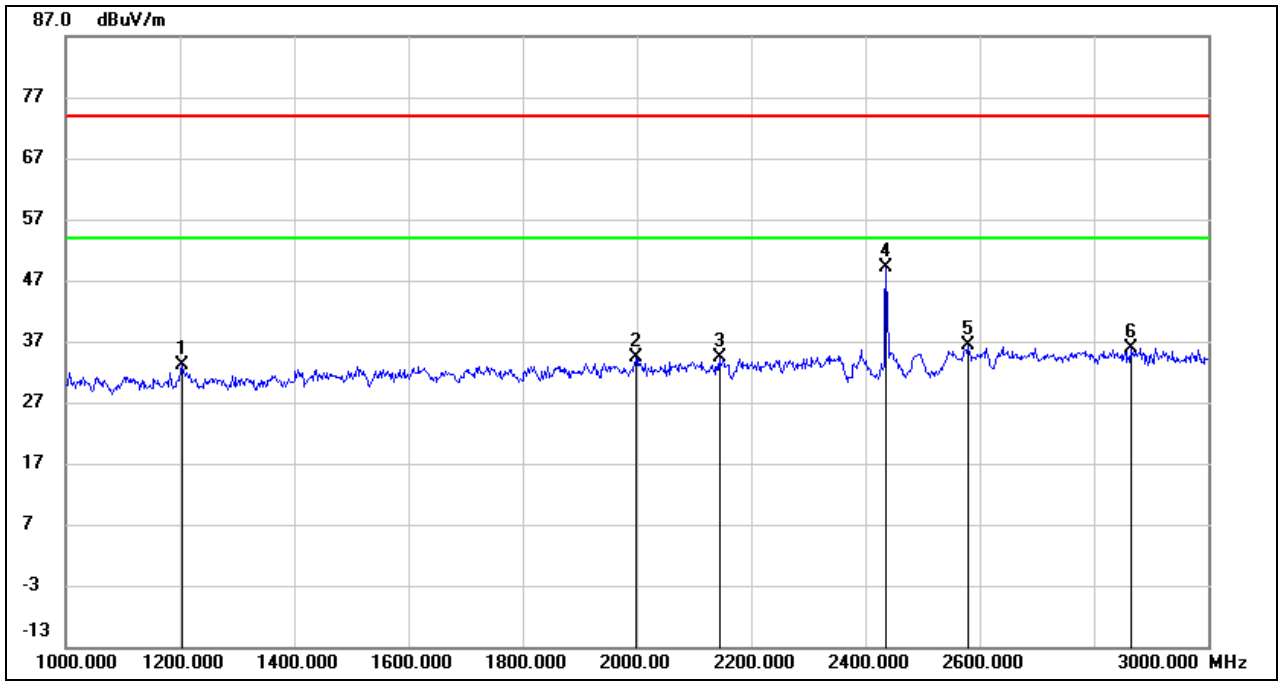
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1200.000	47.13	-14.10	33.03	74.00	-40.97	peak
2	1754.000	46.97	-11.87	35.10	74.00	-38.90	peak
3	2216.000	47.07	-9.95	37.12	74.00	-36.88	peak
4	2403.500	68.60	-8.99	59.61	/	/	Fundamental (Peak)
5	2403.500	58.22	-8.99	49.23	/	/	Fundamental (AVG)
6	2496.000	44.40	-8.51	35.89	74.00	-38.11	peak
7	2788.000	43.63	-7.62	36.01	74.00	-37.99	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

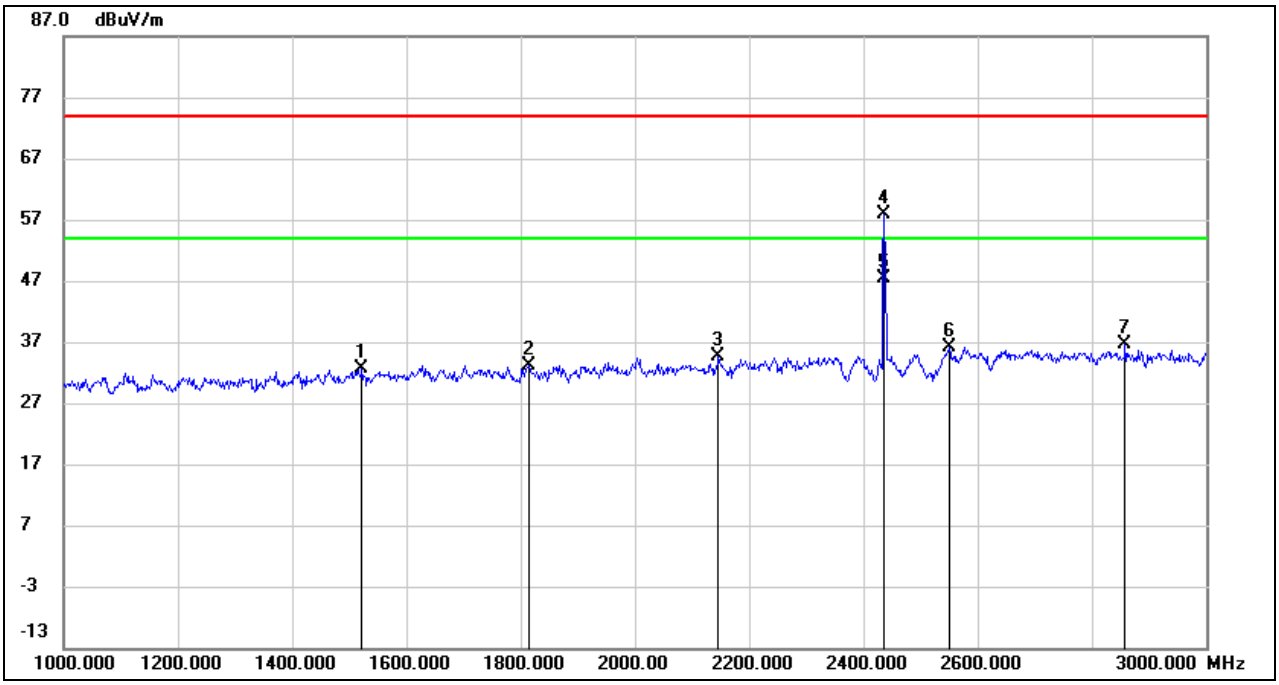
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1204.000	47.15	-14.09	33.06	74.00	-40.94	peak
2	1998.000	45.37	-11.06	34.31	74.00	-39.69	peak
3	2144.000	44.82	-10.33	34.49	74.00	-39.51	peak
4	2435.500	57.87	-8.82	49.05	/	/	Fundamental (Peak)
5	2580.000	44.57	-8.25	36.32	74.00	-37.68	peak
6	2864.000	43.28	-7.39	35.89	74.00	-38.11	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

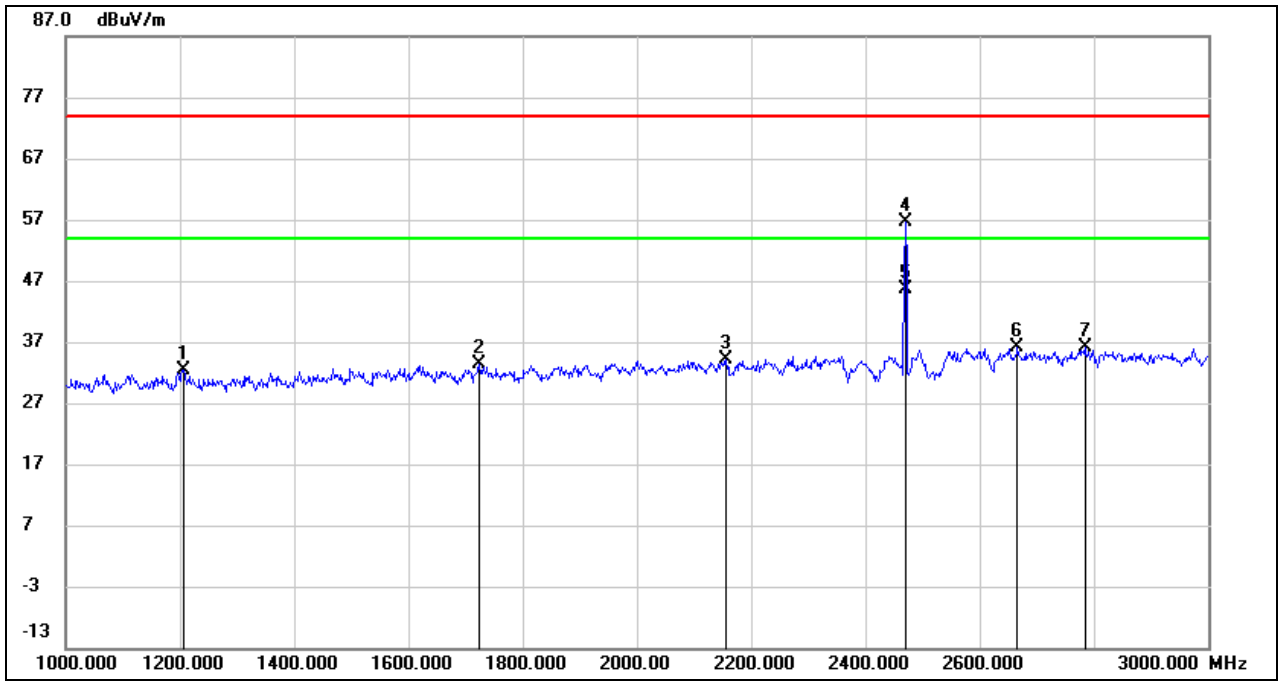
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1522.000	45.32	-12.64	32.68	74.00	-41.32	peak
2	1814.000	44.85	-11.68	33.17	74.00	-40.83	peak
3	2146.000	44.88	-10.31	34.57	74.00	-39.43	peak
4	2435.500	66.71	-8.82	57.89	/	/	Fundamental (Peak)
5	2435.500	56.27	-8.82	47.45	/	/	Fundamental (AVG)
6	2550.000	44.55	-8.33	36.22	74.00	-37.78	peak
7	2858.000	43.97	-7.41	36.56	74.00	-37.44	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

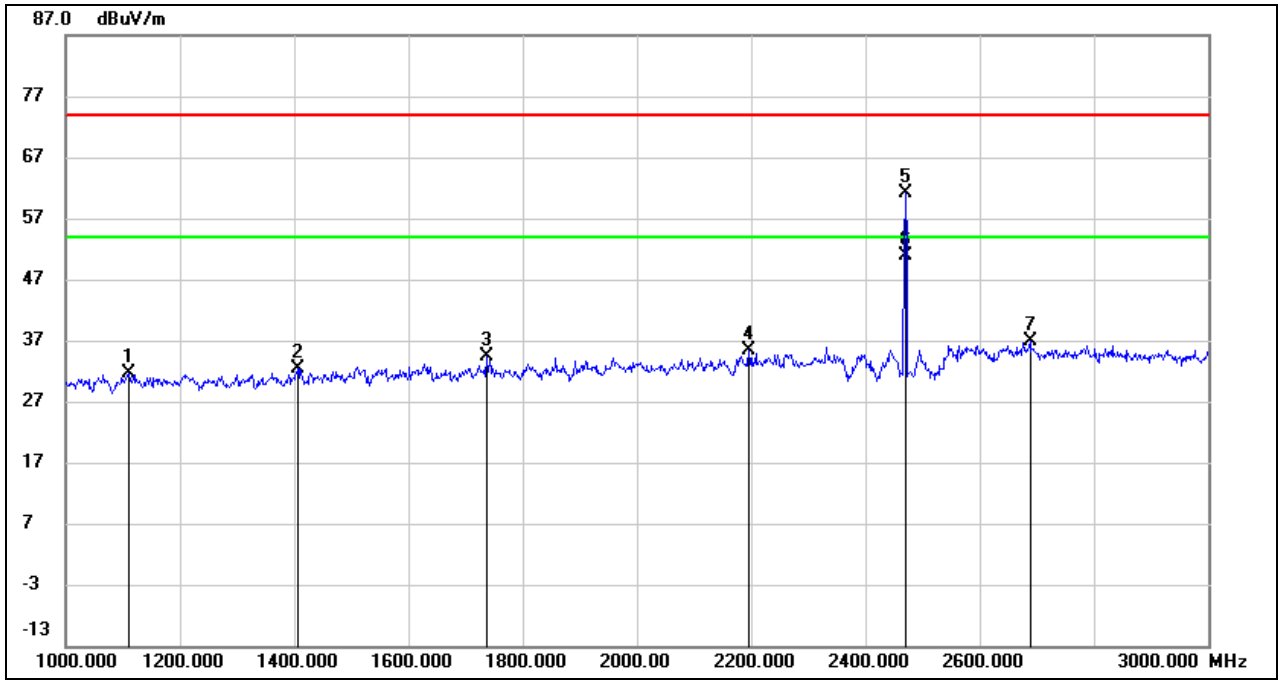
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1206.000	46.45	-14.07	32.38	74.00	-41.62	peak
2	1724.000	45.38	-11.97	33.41	74.00	-40.59	peak
3	2156.000	44.38	-10.25	34.13	74.00	-39.87	peak
4	2469.500	65.28	-8.65	56.63	/	/	Fundamental (Peak)
5	2469.500	54.38	-8.65	45.73	/	/	Fundamental (AVG)
6	2666.000	44.19	-7.98	36.21	74.00	-37.79	peak
7	2784.000	43.73	-7.63	36.10	74.00	-37.90	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1110.000	46.20	-14.52	31.68	74.00	-42.32	peak
2	1406.000	45.43	-13.15	32.28	74.00	-41.72	peak
3	1736.000	46.25	-11.93	34.32	74.00	-39.68	peak
4	2196.000	45.32	-10.05	35.27	74.00	-38.73	peak
5	2469.500	69.84	-8.65	61.19	/	/	Fundamental (Peak)
6	2469.500	59.44	-8.65	50.79	/	/	Fundamental (AVG)
7	2688.000	44.70	-7.92	36.78	74.00	-37.22	peak

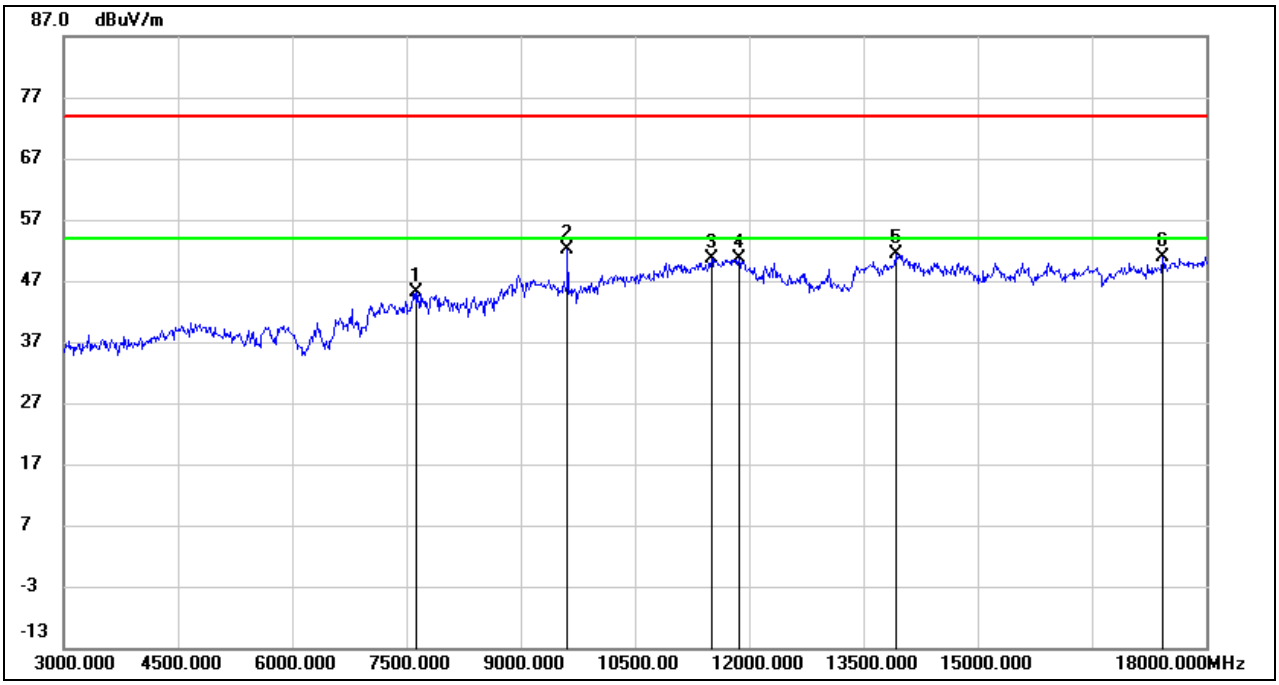
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

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

8.3. SPURIOUS EMISSIONS (3 GHz ~ 18 GHz)

8.3.1. 2.4 GHz SRD 1.4 MHz MODE

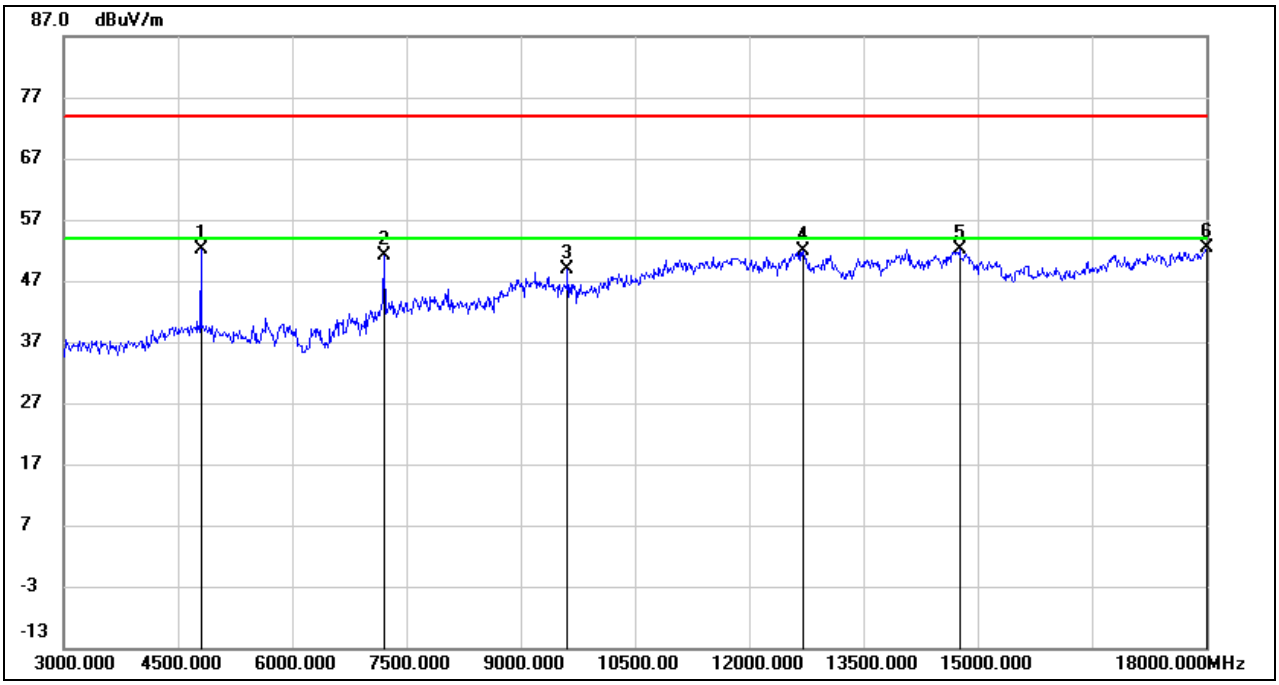
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7635.000	38.86	6.33	45.19	74.00	-28.81	peak
2	9615.000	41.20	11.00	52.20	74.00	-21.80	peak
3	11505.000	34.11	16.61	50.72	74.00	-23.28	peak
4	11865.000	33.00	17.59	50.59	74.00	-23.41	peak
5	13920.000	29.68	21.79	51.47	74.00	-22.53	peak
6	17430.000	28.44	22.47	50.91	74.00	-23.09	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV 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 7.1.
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.

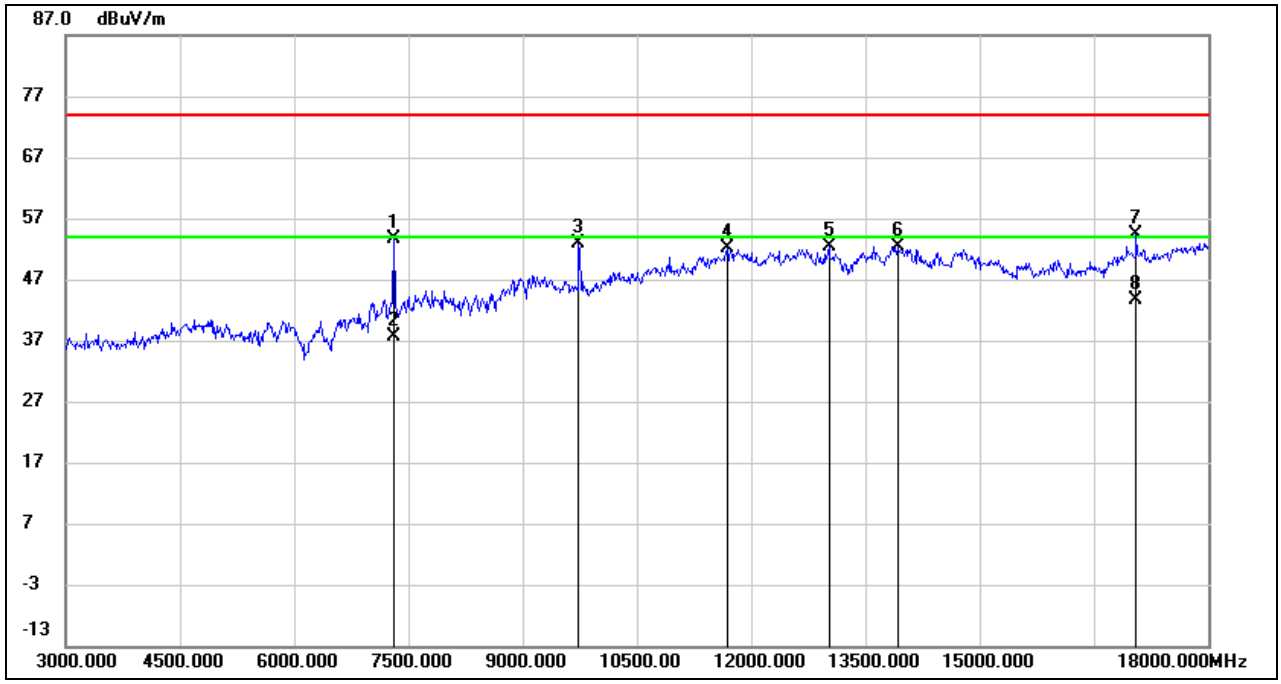
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4800.000	52.54	-0.31	52.23	74.00	-21.77	peak
2	7200.000	44.47	6.55	51.02	74.00	-22.98	peak
3	9615.000	37.87	11.00	48.87	74.00	-25.13	peak
4	12705.000	33.82	18.06	51.88	74.00	-22.12	peak
5	14760.000	33.21	18.86	52.07	74.00	-21.93	peak
6	18000.000	26.61	25.69	52.30	74.00	-21.70	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV 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 7.1.
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.

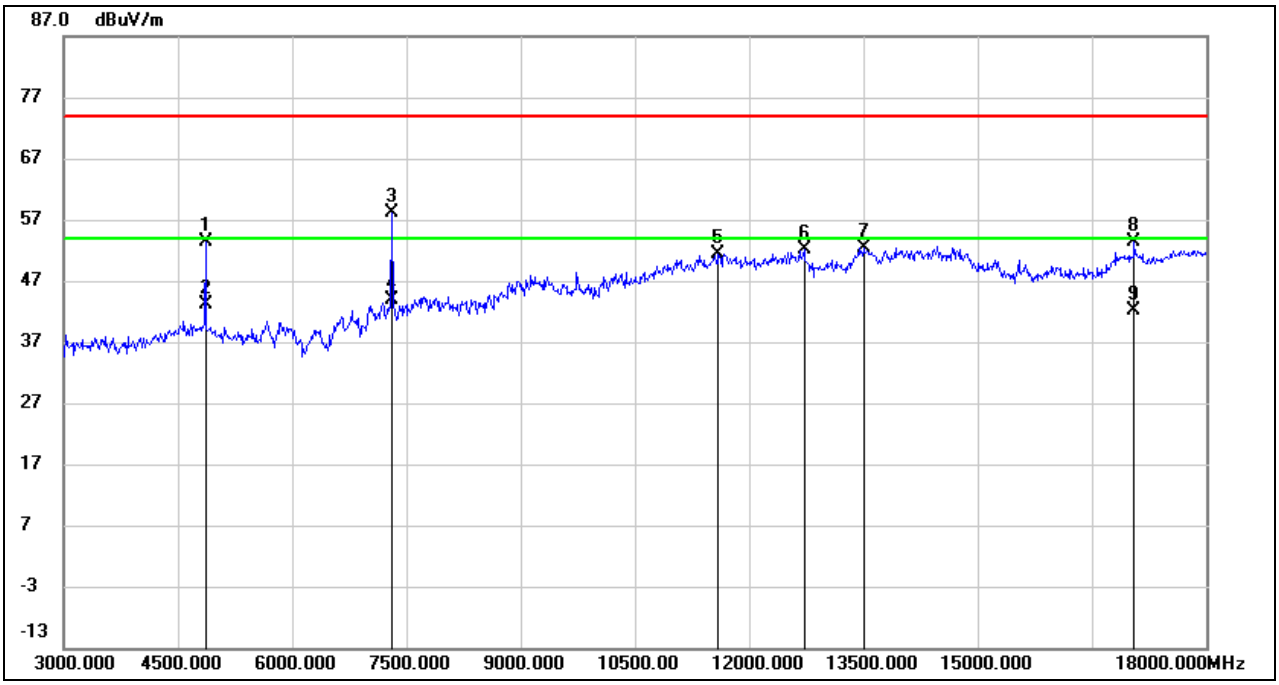
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7305.000	47.22	6.47	53.69	74.00	-20.31	peak
2	7305.000	31.21	6.47	37.68	54.00	-16.32	AVG
3	9735.000	41.44	11.32	52.76	74.00	-21.24	peak
4	11685.000	34.99	17.10	52.09	74.00	-21.91	peak
5	13020.000	33.58	18.80	52.38	74.00	-21.62	peak
6	13920.000	30.69	21.79	52.48	74.00	-21.52	peak
7	17055.000	33.26	21.08	54.34	74.00	-19.66	peak
8	17055.000	22.59	21.08	43.67	54.00	-10.33	AVG

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

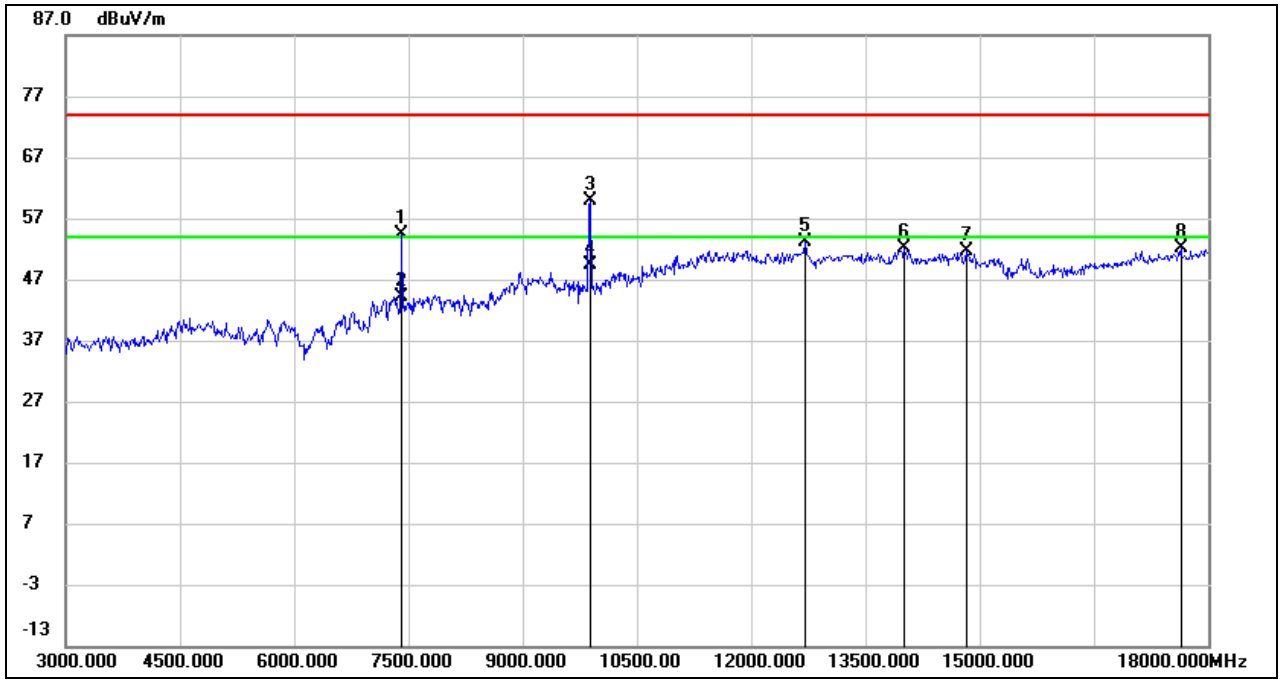
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	53.35	-0.09	53.26	74.00	-20.74	peak
2	4860.000	43.31	-0.09	43.22	54.00	-10.78	AVG
3	7305.000	51.66	6.47	58.13	74.00	-15.87	peak
4	7305.000	37.35	6.47	43.82	54.00	-10.18	AVG
5	11595.000	34.62	16.86	51.48	74.00	-22.52	peak
6	12720.000	34.13	18.08	52.21	74.00	-21.79	peak
7	13500.000	31.59	20.90	52.49	74.00	-21.51	peak
8	17055.000	32.27	21.08	53.35	74.00	-20.65	peak
9	17055.000	21.08	21.08	42.16	54.00	-11.84	AVG

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

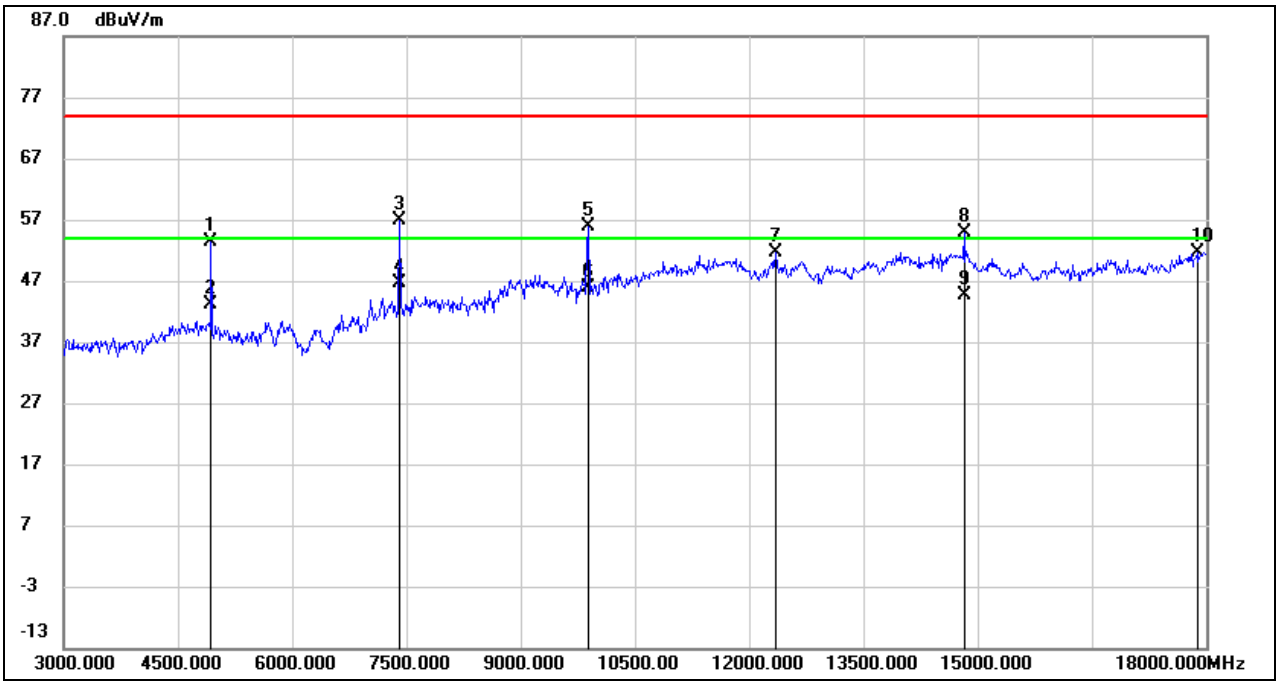
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7410.000	48.02	6.39	54.41	74.00	-19.59	peak
2	7410.000	37.73	6.39	44.12	54.00	-9.88	AVG
3	9885.000	48.22	11.71	59.93	74.00	-14.07	peak
4	9885.000	37.71	11.71	49.42	54.00	-4.58	AVG
5	12705.000	34.96	18.06	53.02	74.00	-20.98	peak
6	14010.000	30.09	21.93	52.02	74.00	-21.98	peak
7	14820.000	33.12	18.62	51.74	74.00	-22.26	peak
8	17640.000	28.66	23.56	52.22	74.00	-21.78	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV 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 7.1.
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.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

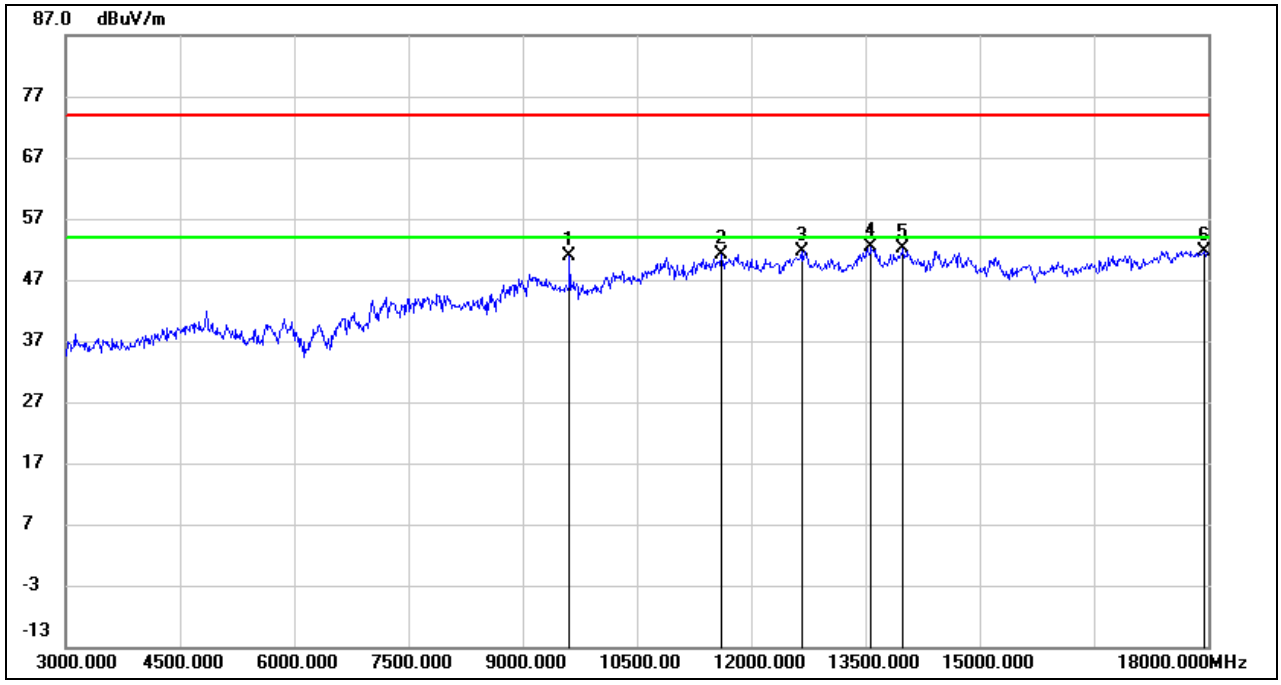


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4935.000	53.15	0.20	53.35	74.00	-20.65	peak
2	4935.000	42.85	0.20	43.05	54.00	-10.95	AVG
3	7410.000	50.39	6.39	56.78	74.00	-17.22	peak
4	7410.000	40.30	6.39	46.69	54.00	-7.31	AVG
5	9885.000	44.28	11.71	55.99	74.00	-18.01	peak
6	9885.000	34.10	11.71	45.81	54.00	-8.19	AVG
7	12345.000	33.87	17.71	51.58	74.00	-22.42	peak
8	14820.000	36.15	18.62	54.77	74.00	-19.23	peak
9	14820.000	25.91	18.62	44.53	54.00	-9.47	AVG
10	17880.000	26.68	24.98	51.66	74.00	-22.34	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV 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 7.1.
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.

8.3.2. 2.4 GHz SRD 1.4 MHz CA MODE

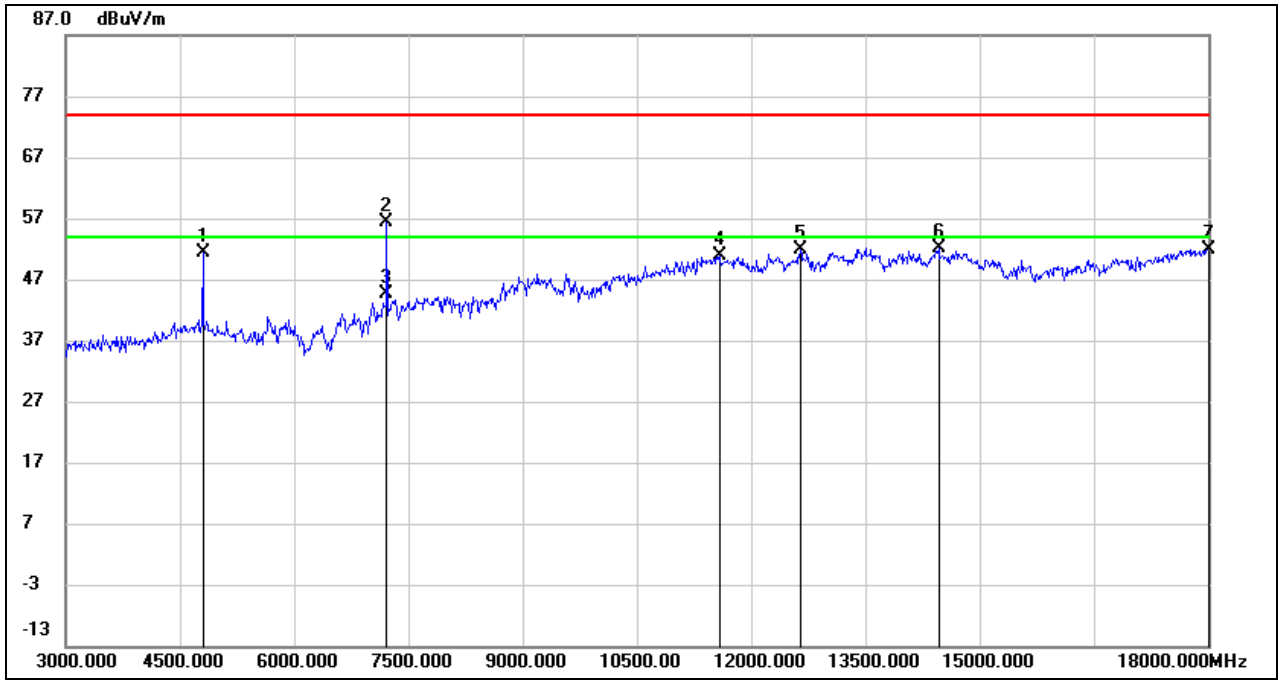
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9615.000	39.77	11.00	50.77	74.00	-23.23	peak
2	11610.000	34.19	16.90	51.09	74.00	-22.91	peak
3	12660.000	33.61	17.95	51.56	74.00	-22.44	peak
4	13575.000	31.30	21.06	52.36	74.00	-21.64	peak
5	13995.000	30.06	21.95	52.01	74.00	-21.99	peak
6	17940.000	26.40	25.34	51.74	74.00	-22.26	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

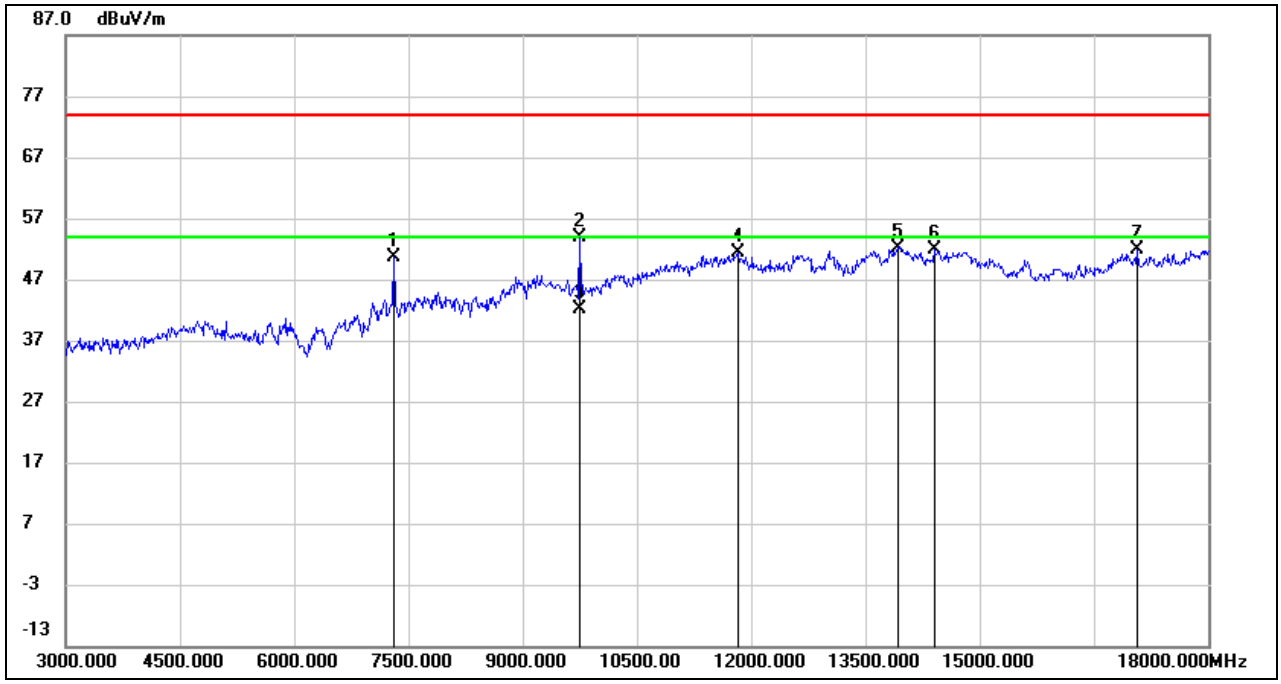
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4800.000	51.63	-0.31	51.32	74.00	-22.68	peak
2	7215.000	49.85	6.54	56.39	74.00	-17.61	peak
3	7215.000	38.02	6.54	44.56	54.00	-9.44	AVG
4	11580.000	34.14	16.82	50.96	74.00	-23.04	peak
5	12645.000	33.88	17.92	51.80	74.00	-22.20	peak
6	14460.000	32.03	20.08	52.11	74.00	-21.89	peak
7	18000.000	26.29	25.69	51.98	74.00	-22.02	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV 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 7.1.
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.

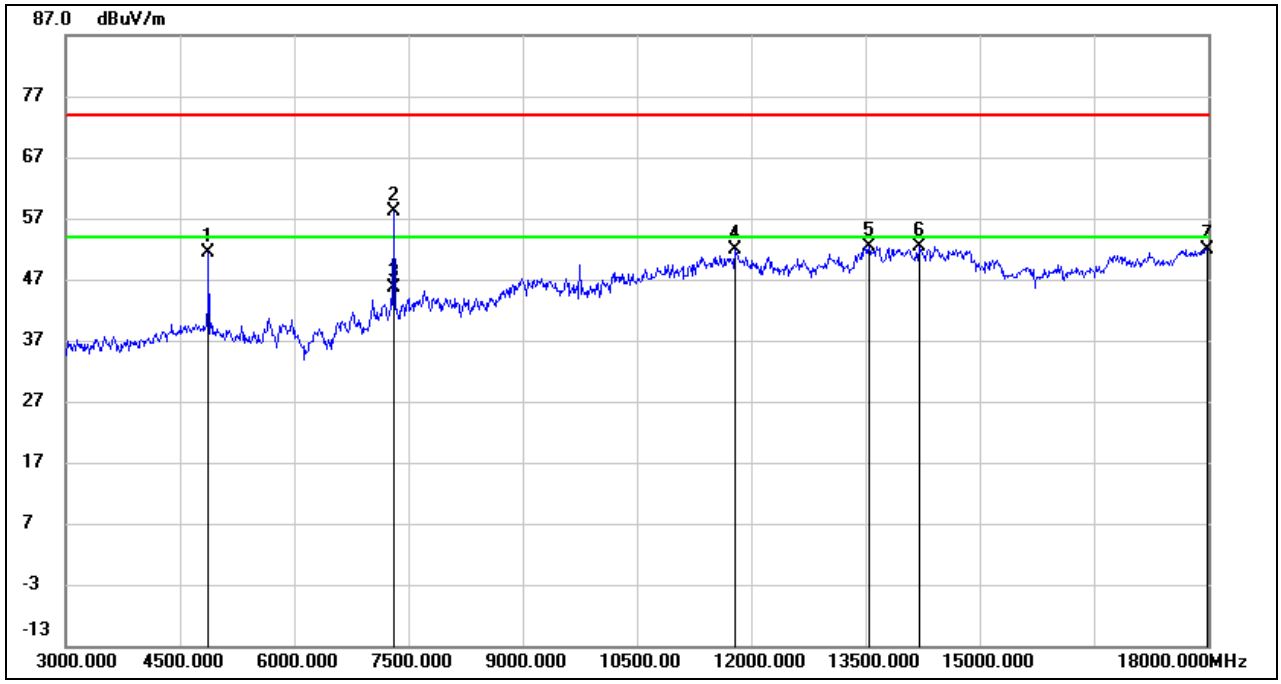
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7305.000	44.20	6.47	50.67	74.00	-23.33	peak
2	9750.000	42.44	11.35	53.79	74.00	-20.21	peak
3	9750.000	30.84	11.35	42.19	54.00	-11.81	AVG
4	11820.000	33.79	17.47	51.26	74.00	-22.74	peak
5	13935.000	30.43	21.82	52.25	74.00	-21.75	peak
6	14400.000	31.54	20.32	51.86	74.00	-22.14	peak
7	17070.000	30.74	21.15	51.89	74.00	-22.11	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

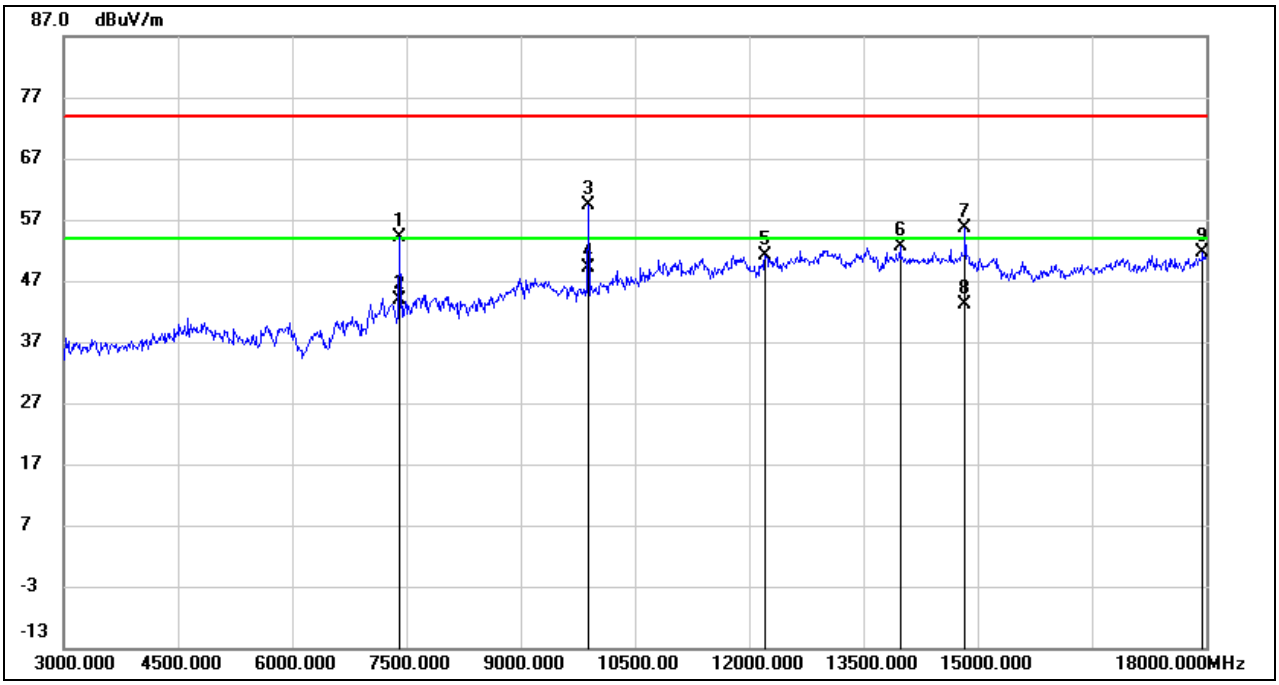
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	51.42	-0.03	51.39	74.00	-22.61	peak
2	7305.000	51.64	6.47	58.11	74.00	-15.89	peak
3	7305.000	39.19	6.47	45.66	54.00	-8.34	AVG
4	11790.000	34.44	17.38	51.82	74.00	-22.18	peak
5	13545.000	31.46	20.99	52.45	74.00	-21.55	peak
6	14205.000	31.27	21.11	52.38	74.00	-21.62	peak
7	17985.000	26.33	25.60	51.93	74.00	-22.07	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

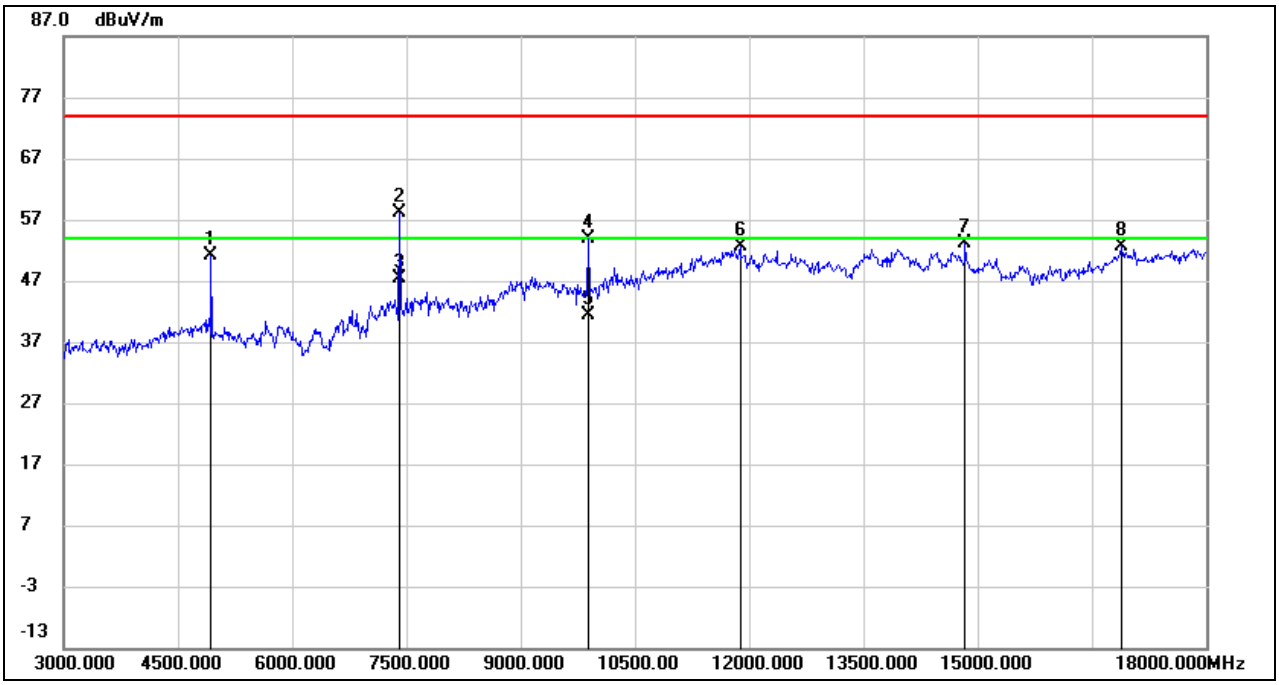
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7410.000	47.66	6.39	54.05	74.00	-19.95	peak
2	7410.000	37.44	6.39	43.83	54.00	-10.17	AVG
3	9885.000	47.71	11.71	59.42	74.00	-14.58	peak
4	9885.000	37.49	11.71	49.20	54.00	-4.80	AVG
5	12210.000	33.42	17.81	51.23	74.00	-22.77	peak
6	13980.000	30.75	21.92	52.67	74.00	-21.33	peak
7	14835.000	37.15	18.55	55.70	74.00	-18.30	peak
8	14835.000	24.57	18.55	43.12	54.00	-10.88	AVG
9	17955.000	26.14	25.42	51.56	74.00	-22.44	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

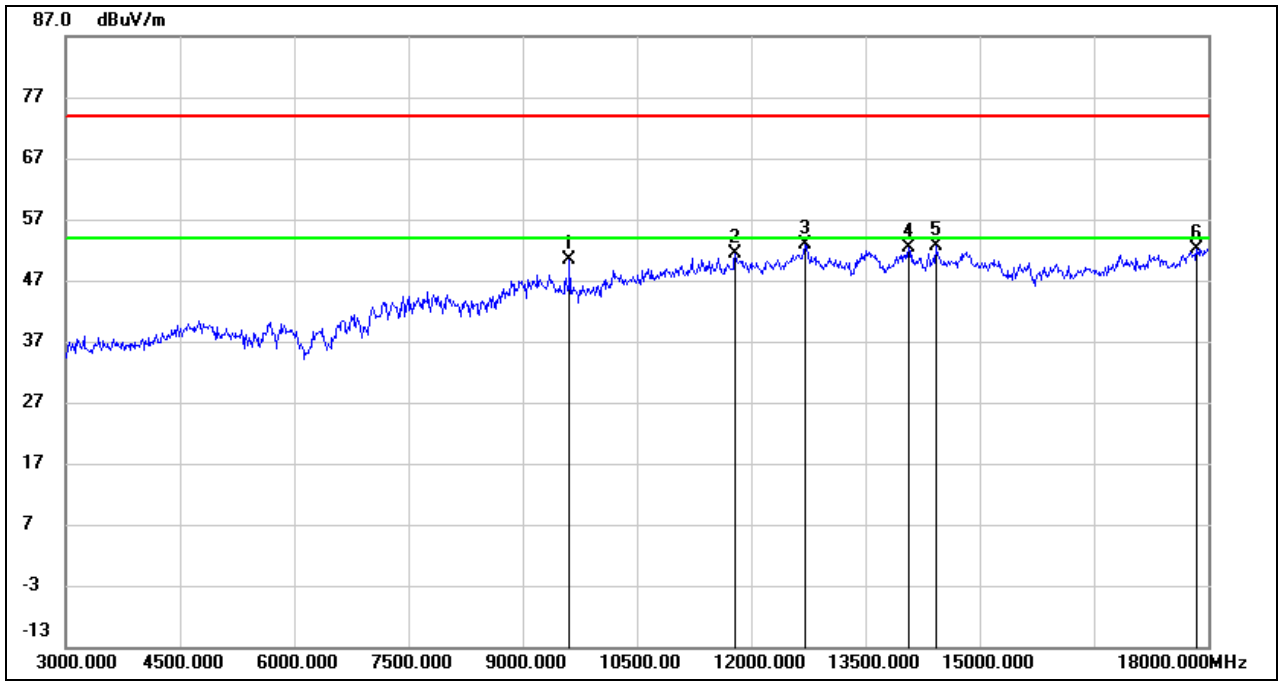


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4935.000	50.98	0.20	51.18	74.00	-22.82	peak
2	7410.000	51.69	6.39	58.08	74.00	-15.92	peak
3	7410.000	41.09	6.39	47.48	54.00	-6.52	AVG
4	9885.000	42.15	11.71	53.86	74.00	-20.14	peak
5	9885.000	29.55	11.71	41.26	54.00	-12.74	AVG
6	11880.000	35.00	17.63	52.63	74.00	-21.37	peak
7	14835.000	34.57	18.55	53.12	74.00	-20.88	peak
8	16890.000	32.25	20.40	52.65	74.00	-21.35	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV 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 7.1.
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.

8.3.3. 2.4 GHz SRD 3 MHz MODE

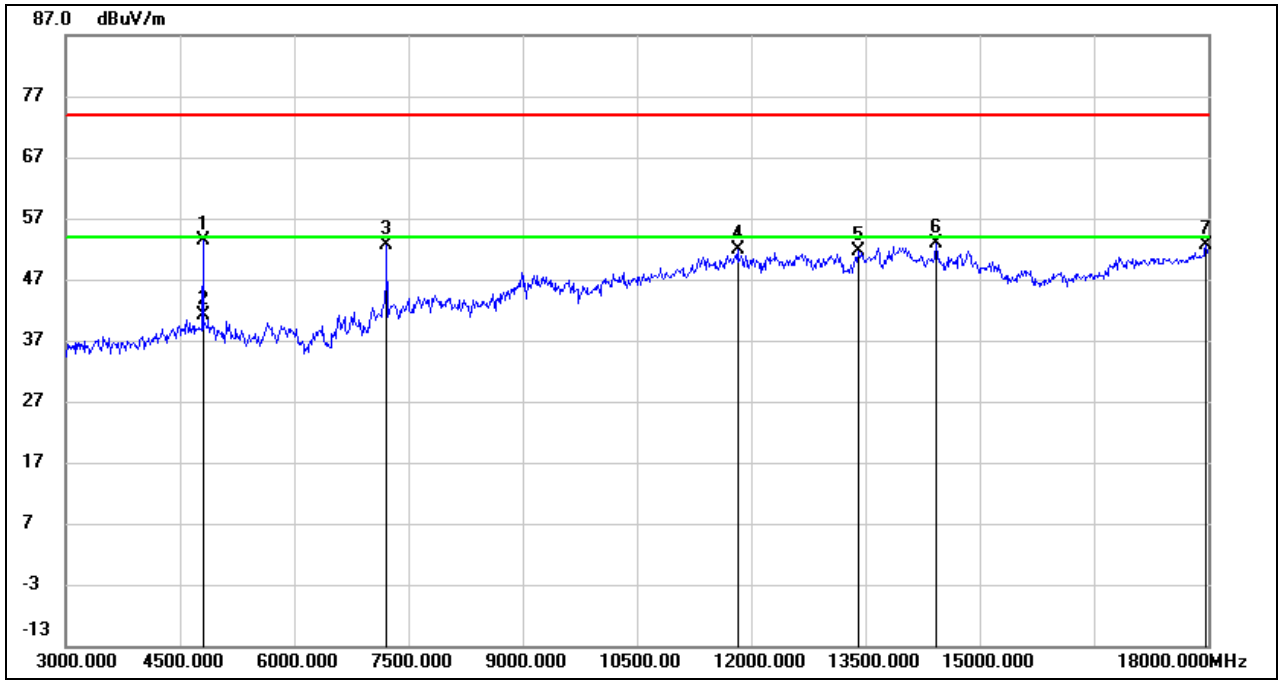
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9615.000	39.32	11.00	50.32	74.00	-23.68	peak
2	11790.000	33.91	17.38	51.29	74.00	-22.71	peak
3	12705.000	34.92	18.06	52.98	74.00	-21.02	peak
4	14070.000	30.82	21.67	52.49	74.00	-21.51	peak
5	14430.000	32.37	20.20	52.57	74.00	-21.43	peak
6	17850.000	27.26	24.81	52.07	74.00	-21.93	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

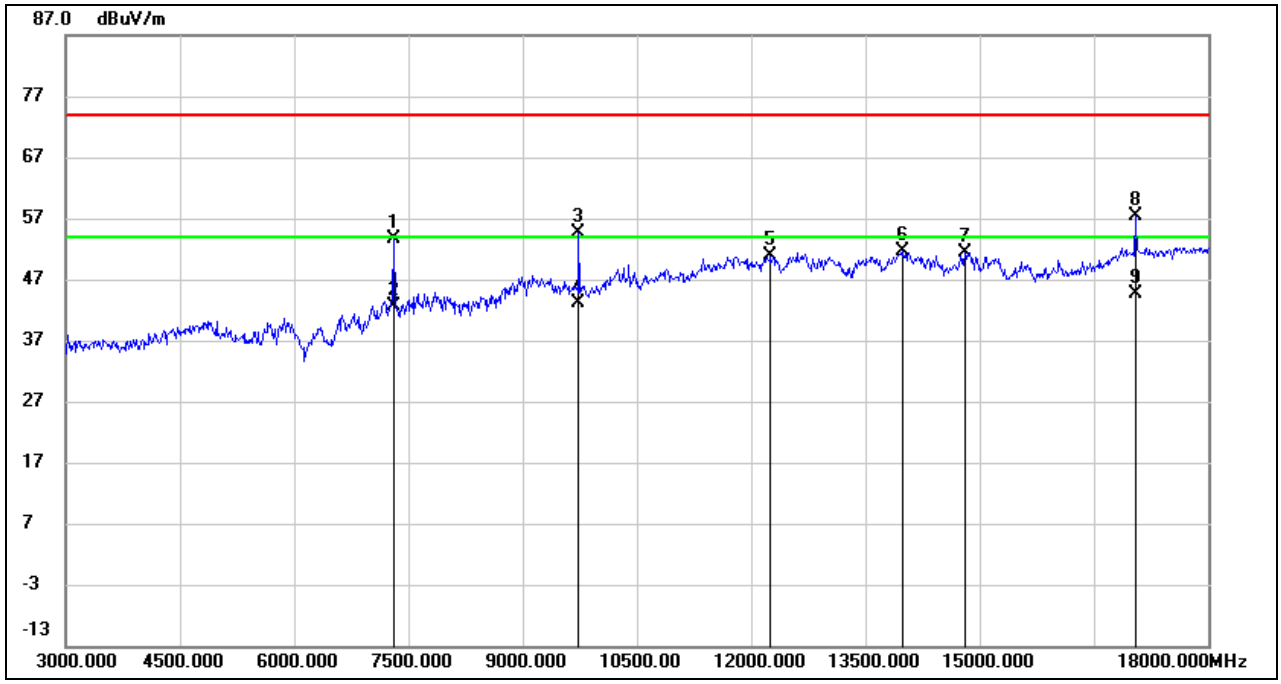
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4800.000	53.80	-0.31	53.49	74.00	-20.51	peak
2	4800.000	41.52	-0.31	41.21	54.00	-12.79	AVG
3	7215.000	46.12	6.54	52.66	74.00	-21.34	peak
4	11820.000	34.29	17.47	51.76	74.00	-22.24	peak
5	13410.000	31.14	20.50	51.64	74.00	-22.36	peak
6	14430.000	32.74	20.20	52.94	74.00	-21.06	peak
7	17970.000	27.07	25.51	52.58	74.00	-21.42	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV 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 7.1.
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.

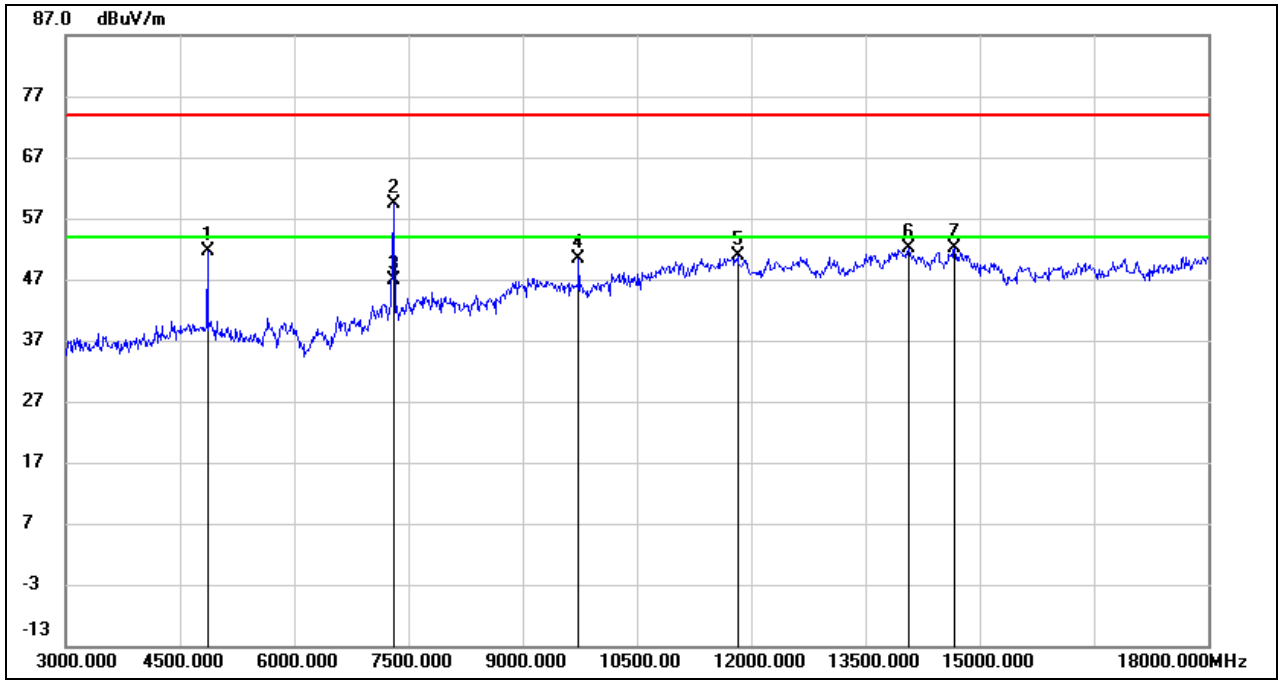
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7305.000	47.04	6.47	53.51	74.00	-20.49	peak
2	7305.000	36.09	6.47	42.56	54.00	-11.44	AVG
3	9735.000	43.36	11.32	54.68	74.00	-19.32	peak
4	9735.000	31.80	11.32	43.12	54.00	-10.88	AVG
5	12255.000	33.08	17.78	50.86	74.00	-23.14	peak
6	13995.000	29.62	21.95	51.57	74.00	-22.43	peak
7	14805.000	32.68	18.67	51.35	74.00	-22.65	peak
8	17040.000	36.28	21.04	57.32	74.00	-16.68	peak
9	17040.000	23.67	21.04	44.71	54.00	-9.29	AVG

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

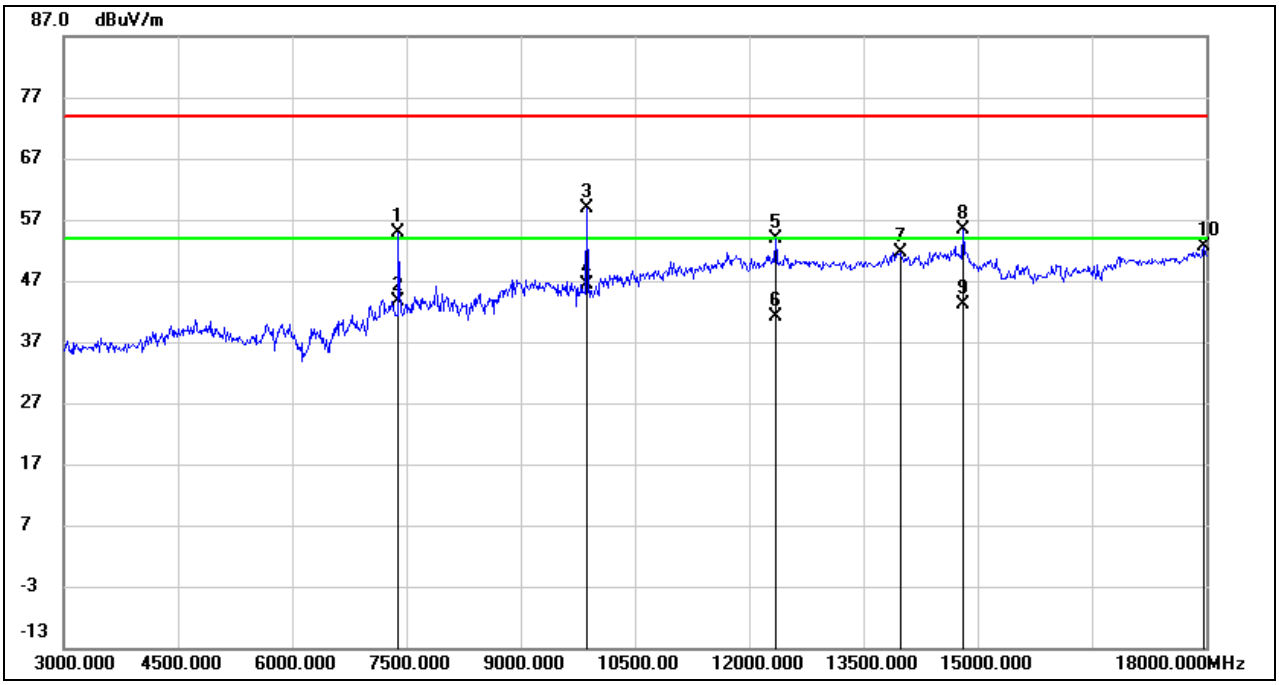
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4860.000	51.66	-0.09	51.57	74.00	-22.43	peak
2	7305.000	52.97	6.47	59.44	74.00	-14.56	peak
3	7305.000	40.48	6.47	46.95	54.00	-7.05	AVG
4	9735.000	39.09	11.32	50.41	74.00	-23.59	peak
5	11820.000	33.36	17.47	50.83	74.00	-23.17	peak
6	14070.000	30.41	21.67	52.08	74.00	-21.92	peak
7	14670.000	32.87	19.22	52.09	74.00	-21.91	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

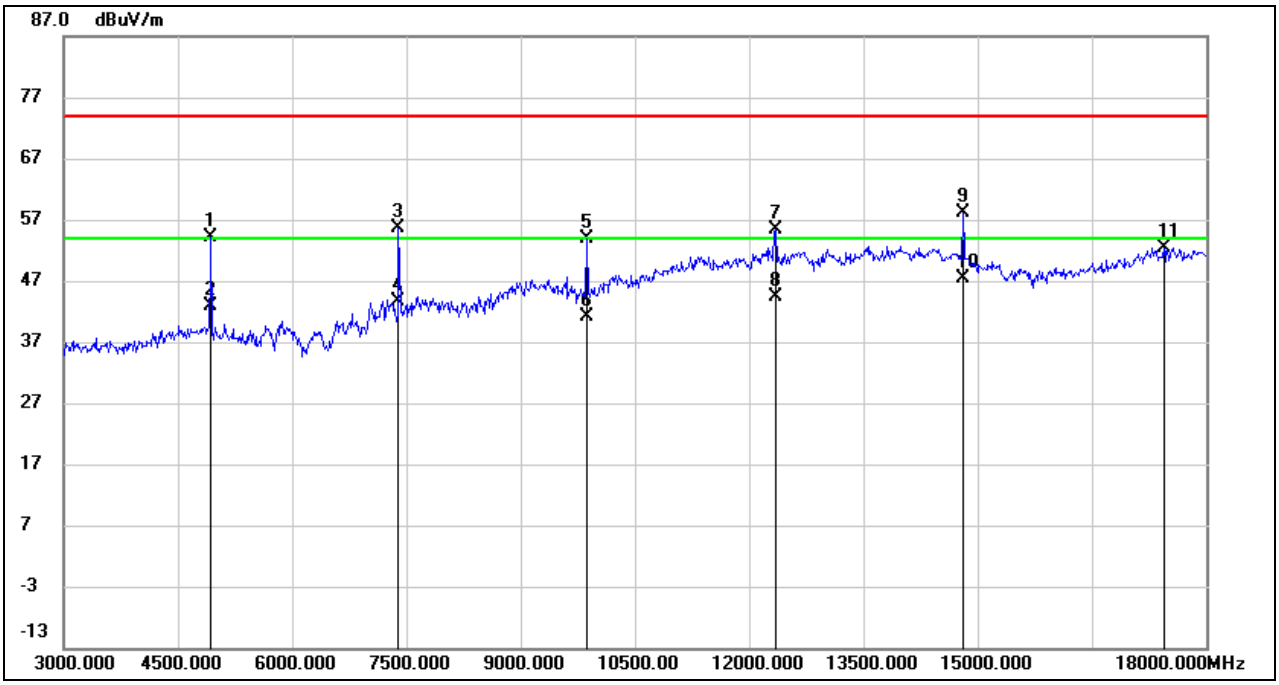
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7395.000	48.36	6.40	54.76	74.00	-19.24	peak
2	7395.000	37.34	6.40	43.74	54.00	-10.26	AVG
3	9870.000	47.16	11.67	58.83	74.00	-15.17	peak
4	9870.000	34.63	11.67	46.30	54.00	-7.70	AVG
5	12345.000	36.05	17.71	53.76	74.00	-20.24	peak
6	12345.000	23.39	17.71	41.10	54.00	-12.90	AVG
7	13980.000	29.75	21.92	51.67	74.00	-22.33	peak
8	14805.000	36.62	18.67	55.29	74.00	-18.71	peak
9	14805.000	24.52	18.67	43.19	54.00	-10.81	AVG
10	17970.000	27.22	25.51	52.73	74.00	-21.27	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



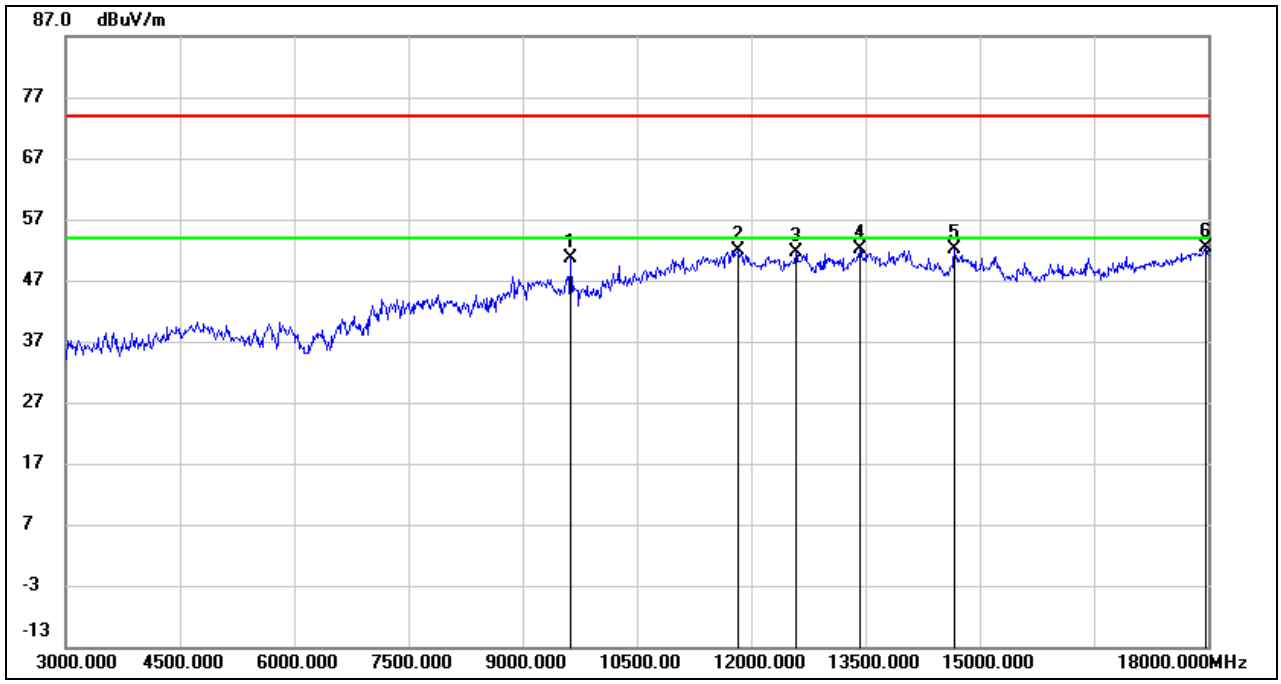
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4935.000	54.01	0.20	54.21	74.00	-19.79	peak
2	4935.000	42.58	0.20	42.78	54.00	-11.22	AVG
3	7395.000	49.13	6.40	55.53	74.00	-18.47	peak
4	7395.000	37.26	6.40	43.66	54.00	-10.34	AVG
5	9870.000	42.23	11.67	53.90	74.00	-20.10	peak
6	9870.000	29.43	11.67	41.10	54.00	-12.90	AVG
7	12345.000	37.73	17.71	55.44	74.00	-18.56	peak
8	12345.000	26.63	17.71	44.34	54.00	-9.66	AVG
9	14805.000	39.46	18.67	58.13	74.00	-15.87	peak
10	14805.000	28.65	18.67	47.32	54.00	-6.68	AVG
11	17445.000	29.96	22.54	52.50	74.00	-21.50	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV 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 7.1.
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.

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

8.3.4. 2.4 GHz SRD 3 MHz CA MODE

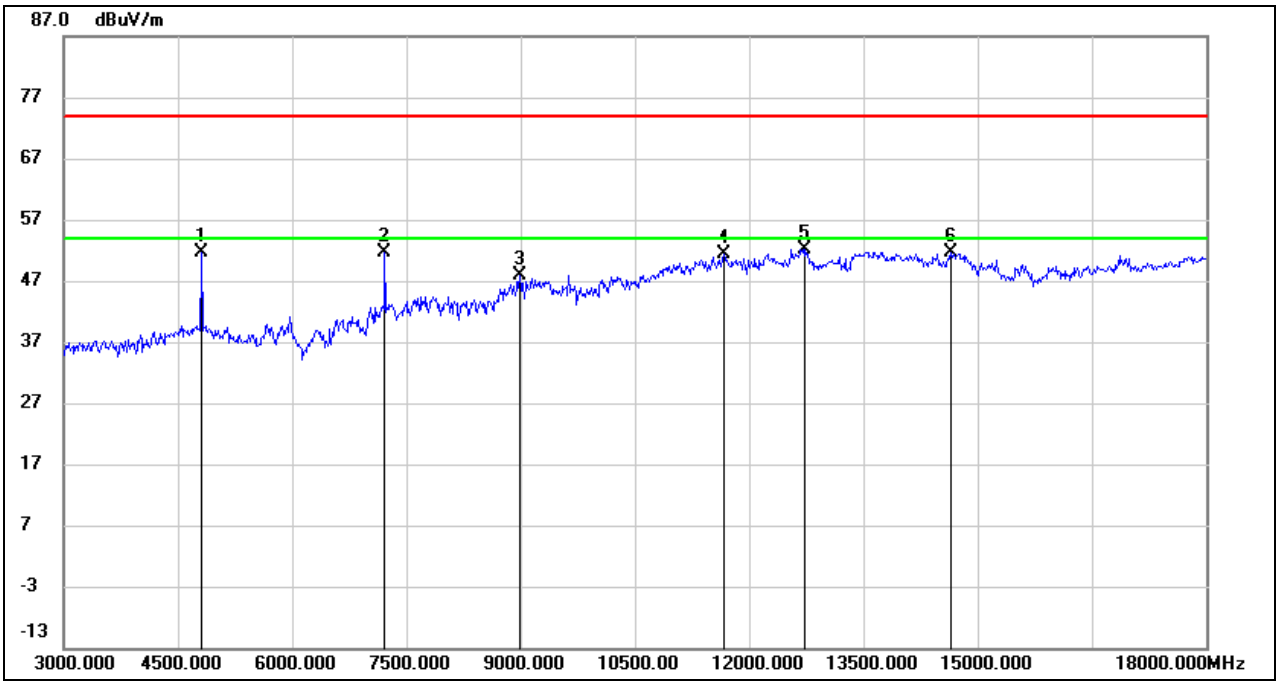
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9630.000	39.51	11.03	50.54	74.00	-23.46	peak
2	11820.000	34.30	17.47	51.77	74.00	-22.23	peak
3	12585.000	33.81	17.78	51.59	74.00	-22.41	peak
4	13425.000	31.54	20.58	52.12	74.00	-21.88	peak
5	14670.000	32.83	19.22	52.05	74.00	-21.95	peak
6	17970.000	26.77	25.51	52.28	74.00	-21.72	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

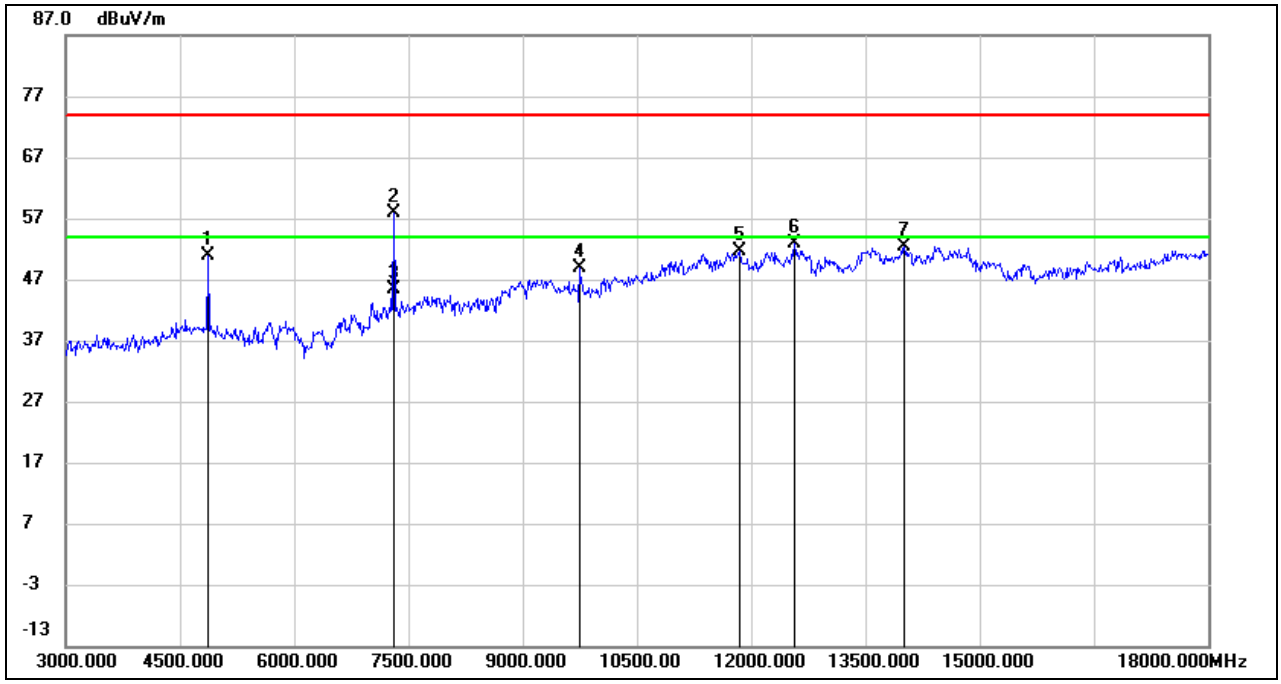
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	51.83	-0.26	51.57	74.00	-22.43	peak
2	7215.000	45.06	6.54	51.60	74.00	-22.40	peak
3	8985.000	37.46	10.37	47.83	74.00	-26.17	peak
4	11670.000	34.35	17.07	51.42	74.00	-22.58	peak
5	12735.000	34.08	18.12	52.20	74.00	-21.80	peak
6	14640.000	32.18	19.34	51.52	74.00	-22.48	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

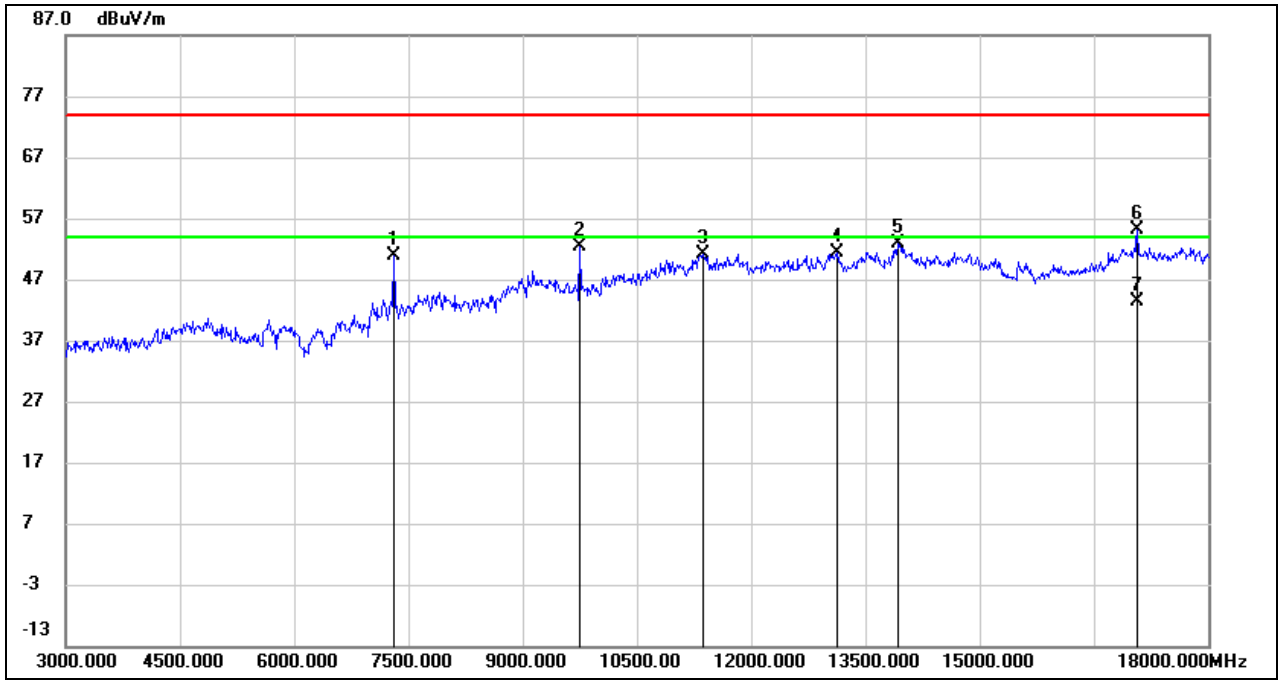
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	50.84	-0.03	50.81	74.00	-23.19	peak
2	7305.000	51.29	6.47	57.76	74.00	-16.24	peak
3	7305.000	38.85	6.47	45.32	54.00	-8.68	AVG
4	9750.000	37.57	11.35	48.92	74.00	-25.08	peak
5	11850.000	34.04	17.56	51.60	74.00	-22.40	peak
6	12570.000	35.12	17.75	52.87	74.00	-21.13	peak
7	14010.000	30.38	21.93	52.31	74.00	-21.69	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

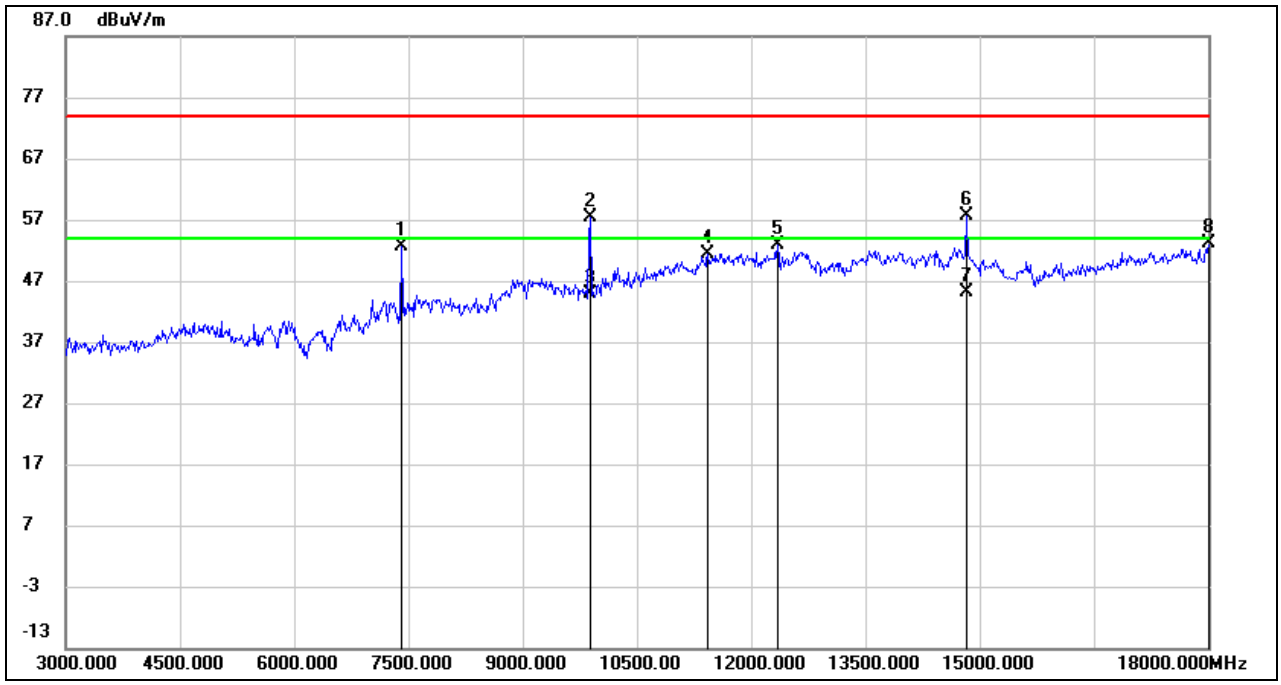
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7305.000	44.40	6.47	50.87	74.00	-23.13	peak
2	9750.000	40.91	11.35	52.26	74.00	-21.74	peak
3	11370.000	34.94	16.12	51.06	74.00	-22.94	peak
4	13125.000	32.02	19.26	51.28	74.00	-22.72	peak
5	13920.000	31.20	21.79	52.99	74.00	-21.01	peak
6	17070.000	34.07	21.15	55.22	74.00	-18.78	peak
7	17070.000	22.32	21.15	43.47	54.00	-10.53	AVG

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

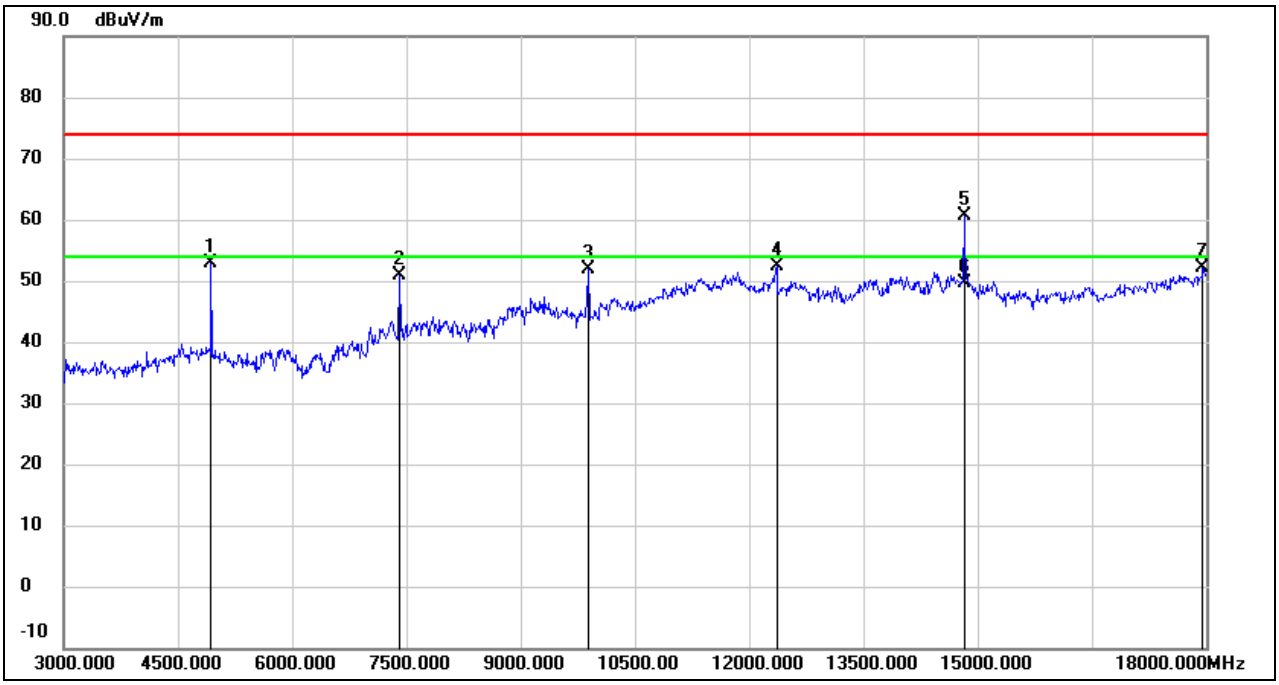
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7410.000	46.28	6.39	52.67	74.00	-21.33	peak
2	9885.000	45.67	11.71	57.38	74.00	-16.62	peak
3	9885.000	33.07	11.71	44.78	54.00	-9.22	AVG
4	11430.000	35.11	16.34	51.45	74.00	-22.55	peak
5	12345.000	35.10	17.71	52.81	74.00	-21.19	peak
6	14820.000	39.03	18.62	57.65	74.00	-16.35	peak
7	14820.000	26.61	18.62	45.23	54.00	-8.77	AVG
8	18000.000	27.54	25.69	53.23	74.00	-20.77	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



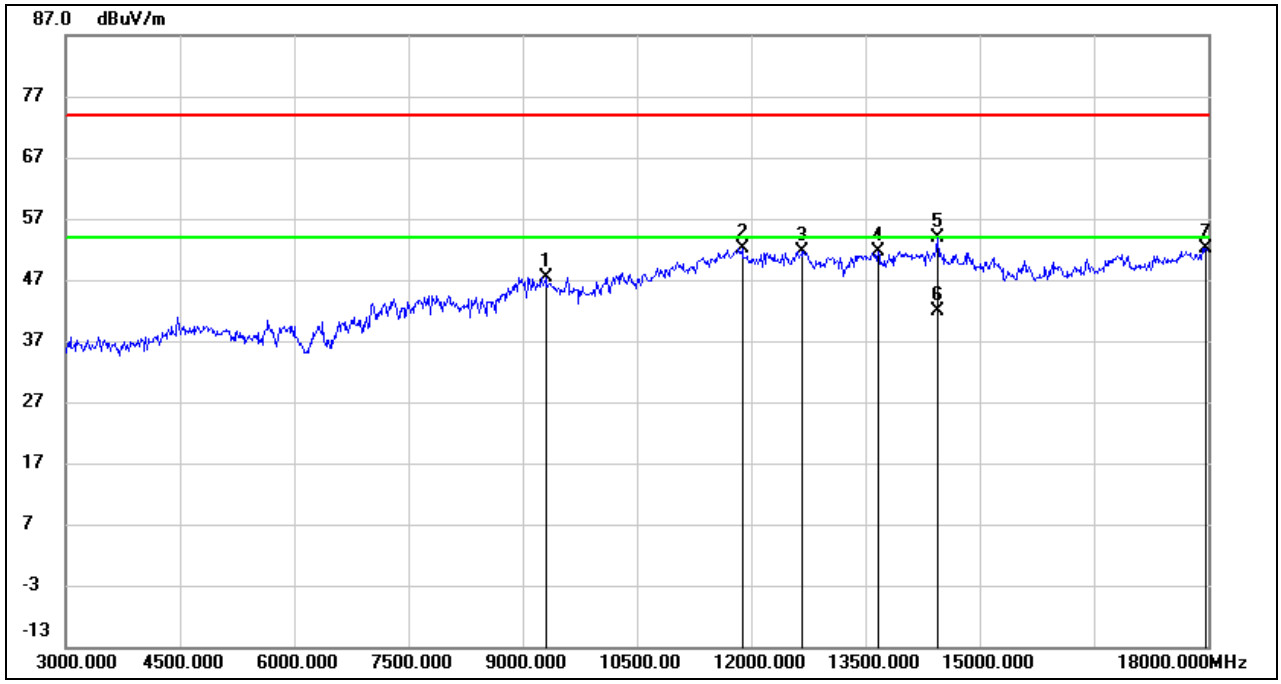
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4935.000	52.60	0.20	52.80	74.00	-21.20	peak
2	7410.000	44.44	6.39	50.83	74.00	-23.17	peak
3	9885.000	40.07	11.71	51.78	74.00	-22.22	peak
4	12360.000	34.61	17.69	52.30	74.00	-21.70	peak
5	14820.000	41.96	18.62	60.58	74.00	-13.42	peak
6	14820.000	31.01	18.62	49.63	54.00	-4.37	AVG
7	17955.000	26.65	25.42	52.07	74.00	-21.93	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV 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 7.1.
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.

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

8.3.5. 2.4 GHz SRD 10 MHz MODE

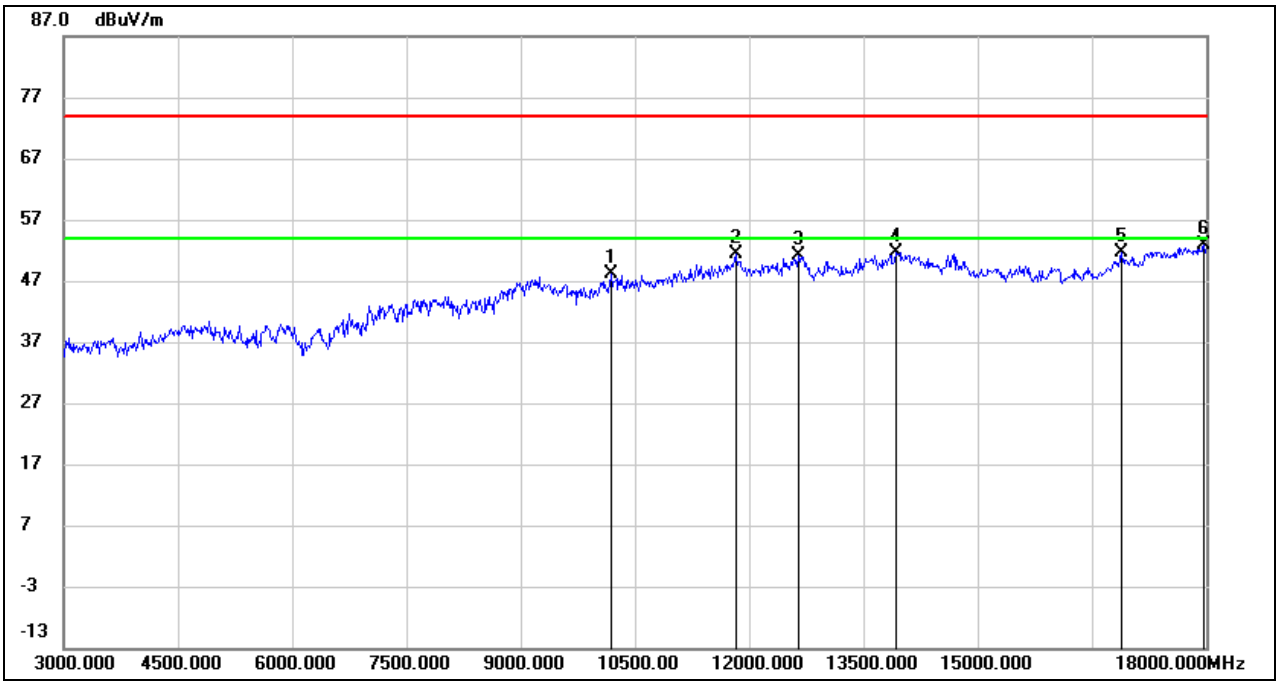
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9300.000	36.79	10.61	47.40	74.00	-26.60	peak
2	11880.000	34.57	17.63	52.20	74.00	-21.80	peak
3	12675.000	33.74	17.99	51.73	74.00	-22.27	peak
4	13665.000	30.29	21.25	51.54	74.00	-22.46	peak
5	14445.000	33.73	20.14	53.87	74.00	-20.13	peak
6	14445.000	21.71	20.14	41.85	54.00	-12.15	AVG
7	17970.000	26.67	25.51	52.18	74.00	-21.82	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

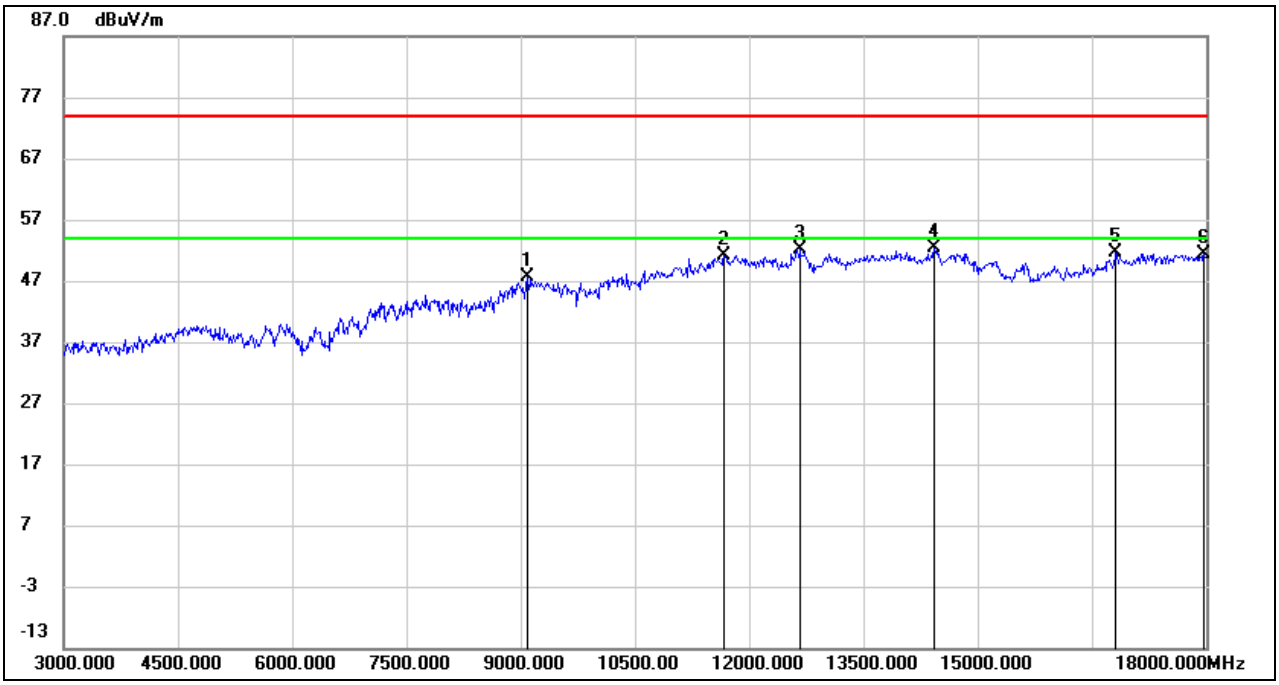
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10185.000	35.81	12.38	48.19	74.00	-25.81	peak
2	11820.000	34.03	17.47	51.50	74.00	-22.50	peak
3	12645.000	33.33	17.92	51.25	74.00	-22.75	peak
4	13920.000	29.93	21.79	51.72	74.00	-22.28	peak
5	16890.000	31.30	20.40	51.70	74.00	-22.30	peak
6	17970.000	27.47	25.51	52.98	74.00	-21.02	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

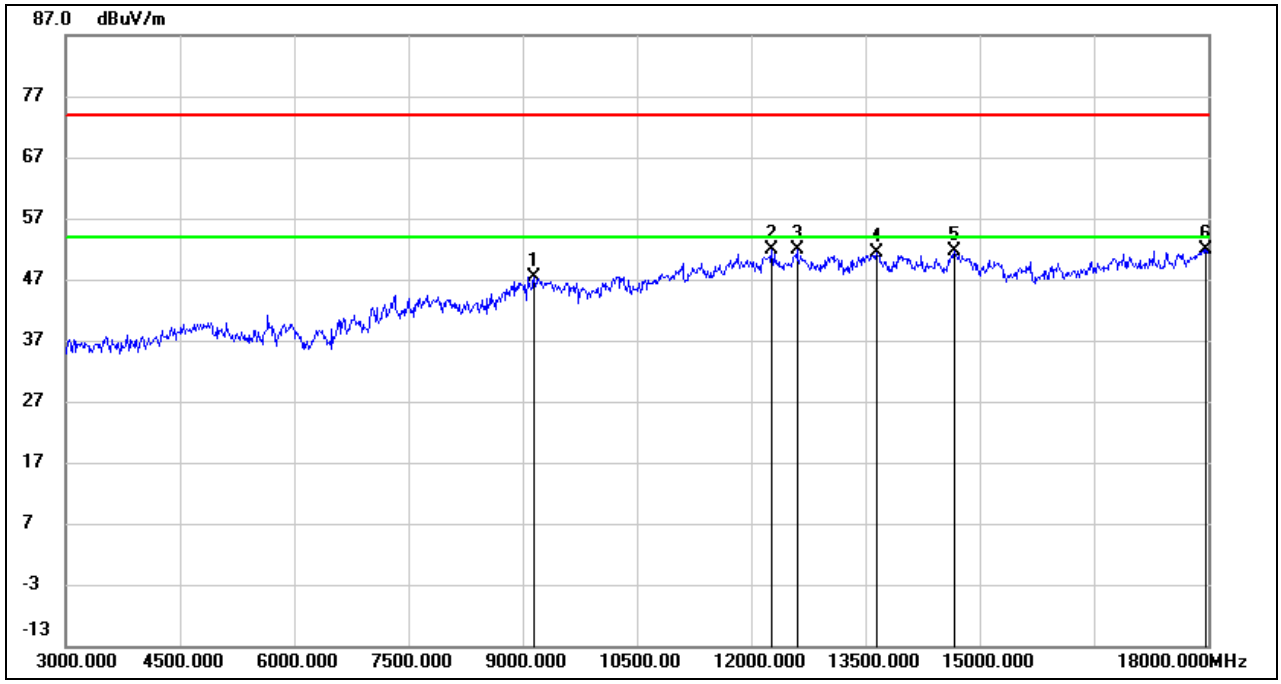
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9090.000	37.10	10.51	47.61	74.00	-26.39	peak
2	11670.000	34.03	17.07	51.10	74.00	-22.90	peak
3	12660.000	34.27	17.95	52.22	74.00	-21.78	peak
4	14430.000	32.10	20.20	52.30	74.00	-21.70	peak
5	16815.000	31.58	20.07	51.65	74.00	-22.35	peak
6	17970.000	25.76	25.51	51.27	74.00	-22.73	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

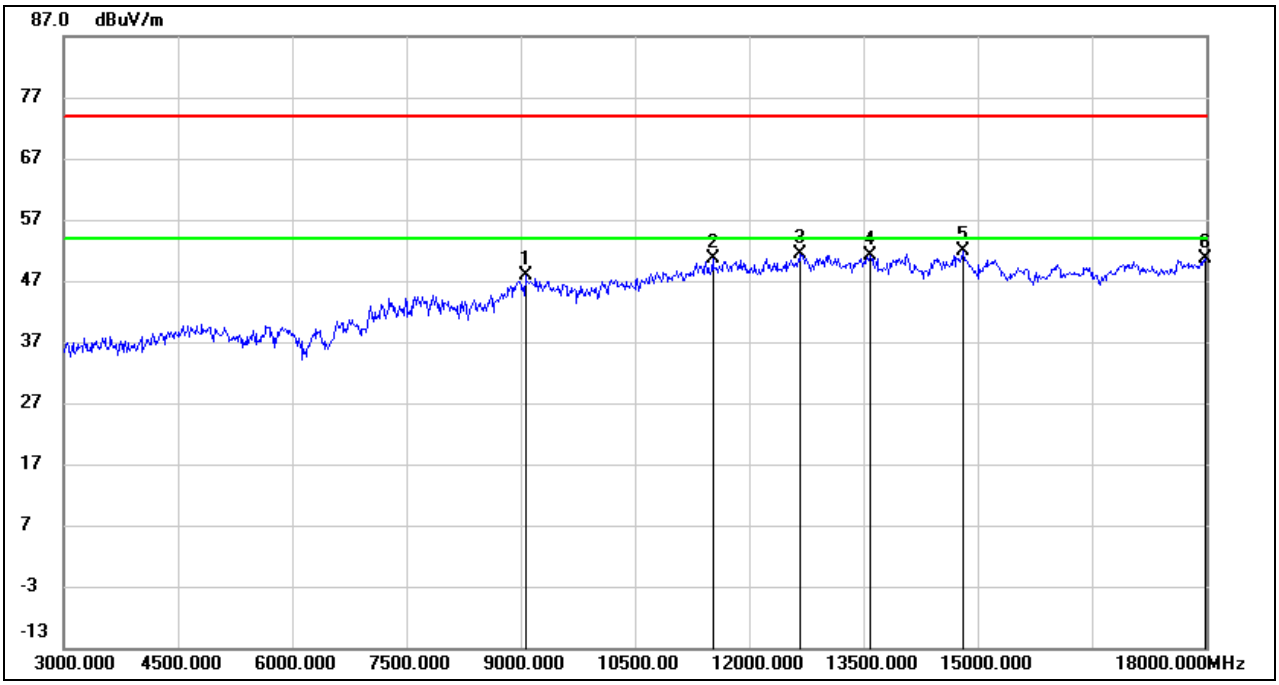
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9150.000	36.94	10.54	47.48	74.00	-26.52	peak
2	12270.000	34.01	17.77	51.78	74.00	-22.22	peak
3	12600.000	34.16	17.82	51.98	74.00	-22.02	peak
4	13650.000	30.20	21.21	51.41	74.00	-22.59	peak
5	14670.000	32.52	19.22	51.74	74.00	-22.26	peak
6	17970.000	26.46	25.51	51.97	74.00	-22.03	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

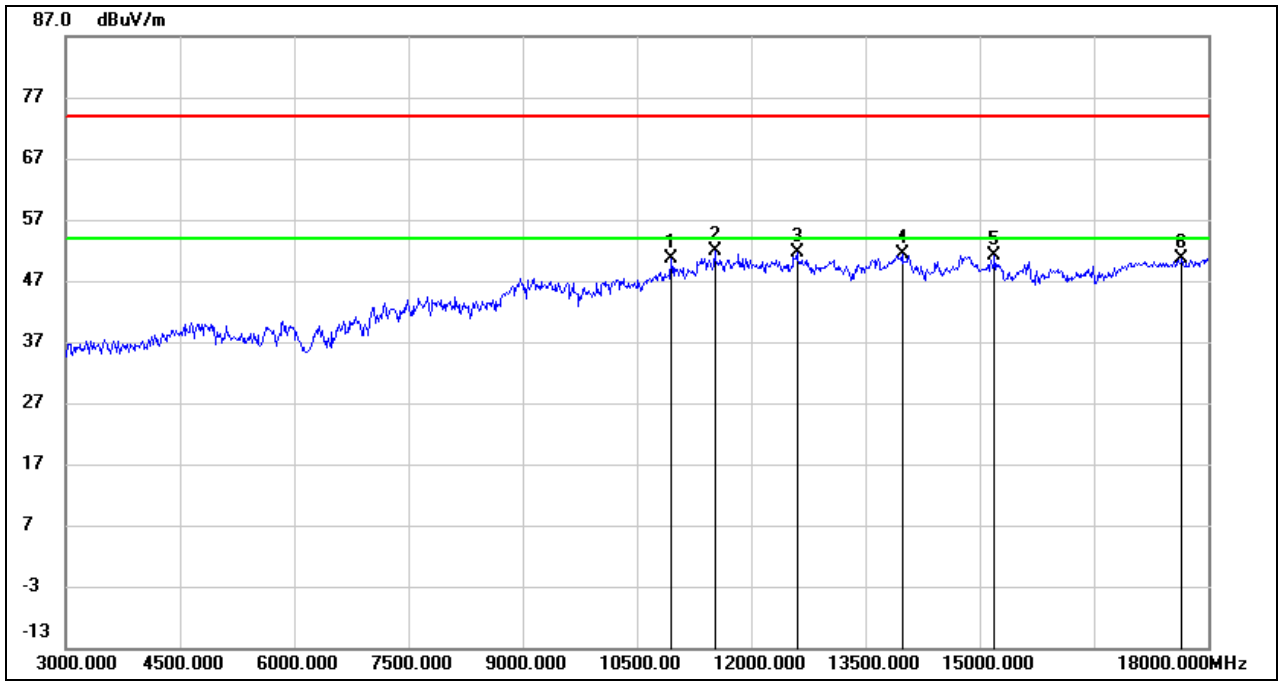
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9060.000	37.47	10.51	47.98	74.00	-26.02	peak
2	11520.000	33.98	16.65	50.63	74.00	-23.37	peak
3	12675.000	33.50	17.99	51.49	74.00	-22.51	peak
4	13590.000	29.98	21.09	51.07	74.00	-22.93	peak
5	14805.000	33.21	18.67	51.88	74.00	-22.12	peak
6	17985.000	24.94	25.60	50.54	74.00	-23.46	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

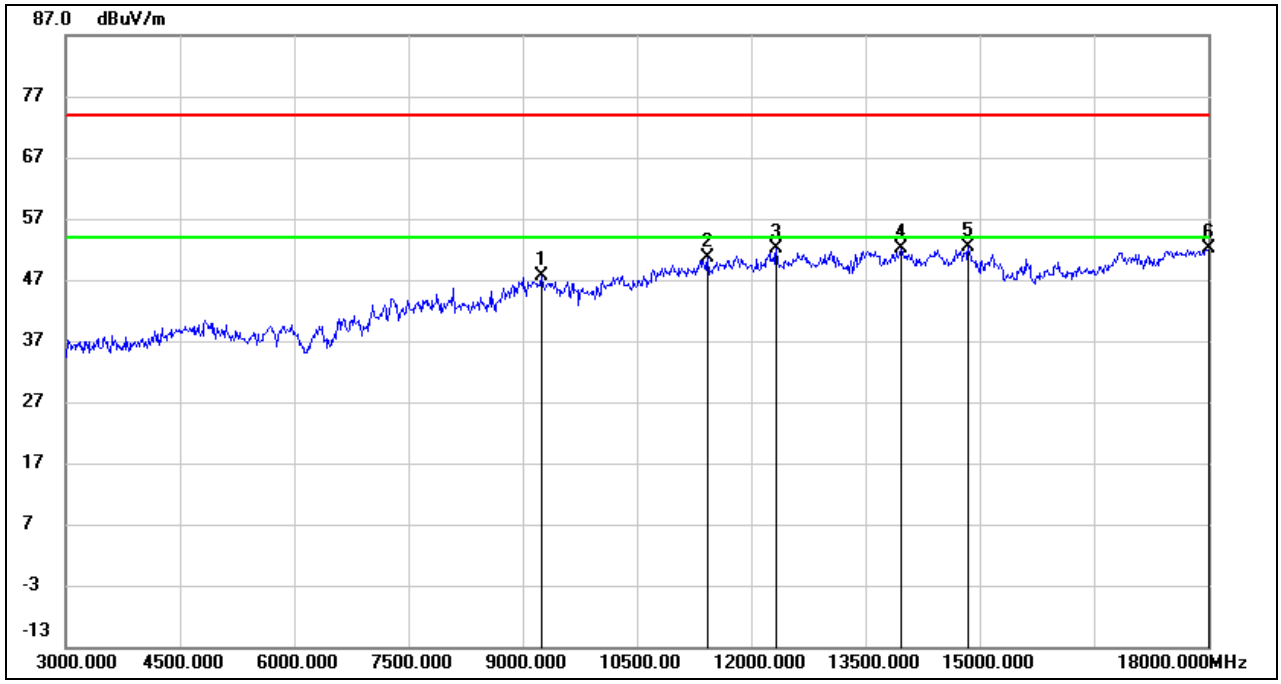


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10950.000	35.98	14.60	50.58	74.00	-23.42	peak
2	11520.000	35.26	16.65	51.91	74.00	-22.09	peak
3	12600.000	33.79	17.82	51.61	74.00	-22.39	peak
4	13980.000	29.42	21.92	51.34	74.00	-22.66	peak
5	15195.000	33.54	17.70	51.24	74.00	-22.76	peak
6	17655.000	27.06	23.64	50.70	74.00	-23.30	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

8.3.6. 2.4 GHz SRD 20 MHz MODE

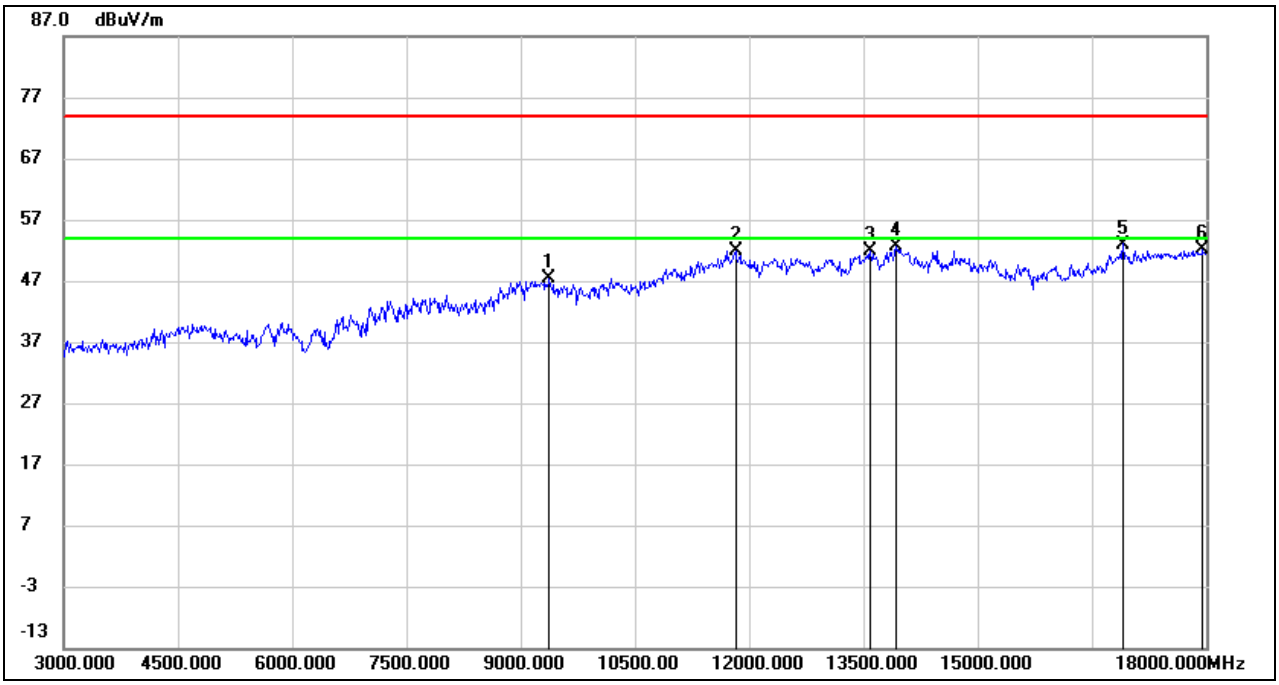
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9240.000	36.97	10.58	47.55	74.00	-26.45	peak
2	11430.000	34.29	16.34	50.63	74.00	-23.37	peak
3	12330.000	34.39	17.72	52.11	74.00	-21.89	peak
4	13965.000	30.34	21.89	52.23	74.00	-21.77	peak
5	14850.000	33.97	18.50	52.47	74.00	-21.53	peak
6	18000.000	26.41	25.69	52.10	74.00	-21.90	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

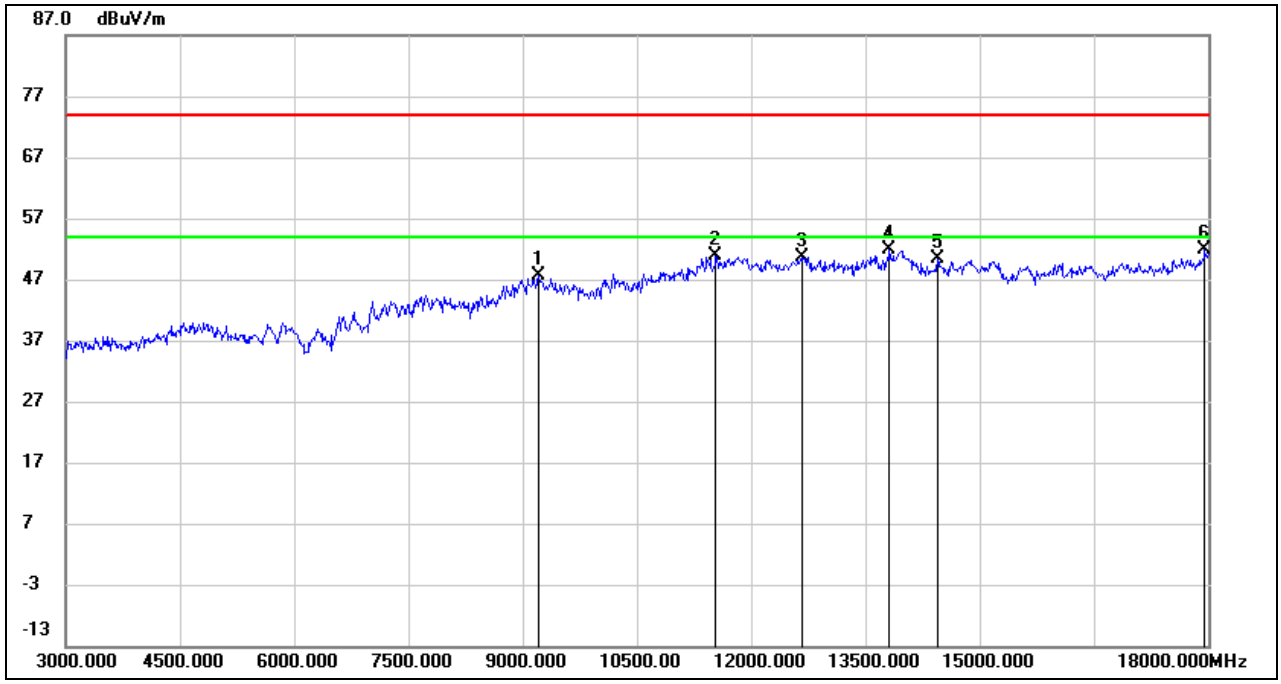
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9375.000	36.68	10.64	47.32	74.00	-26.68	peak
2	11820.000	34.49	17.47	51.96	74.00	-22.04	peak
3	13590.000	30.79	21.09	51.88	74.00	-22.12	peak
4	13920.000	30.95	21.79	52.74	74.00	-21.26	peak
5	16905.000	32.53	20.47	53.00	74.00	-21.00	peak
6	17955.000	26.63	25.42	52.05	74.00	-21.95	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

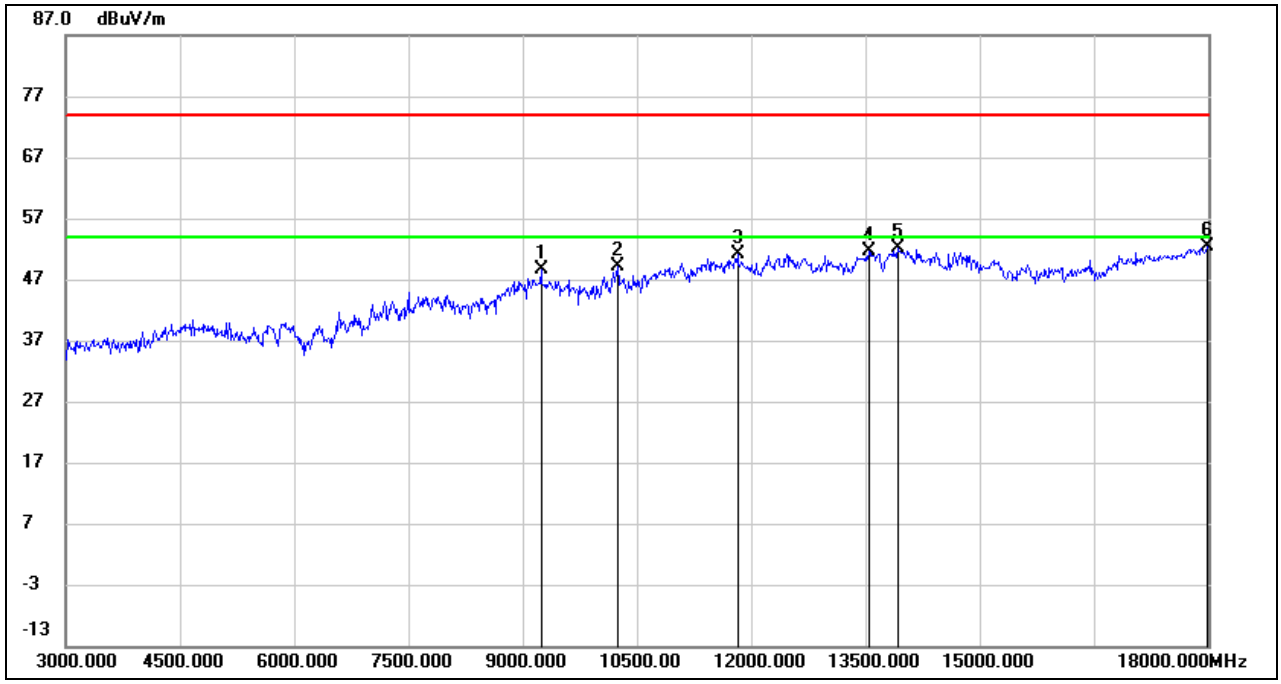
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9210.000	37.06	10.57	47.63	74.00	-26.37	peak
2	11535.000	34.06	16.70	50.76	74.00	-23.24	peak
3	12660.000	32.79	17.95	50.74	74.00	-23.26	peak
4	13815.000	30.40	21.56	51.96	74.00	-22.04	peak
5	14445.000	30.17	20.14	50.31	74.00	-23.69	peak
6	17955.000	26.41	25.42	51.83	74.00	-22.17	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

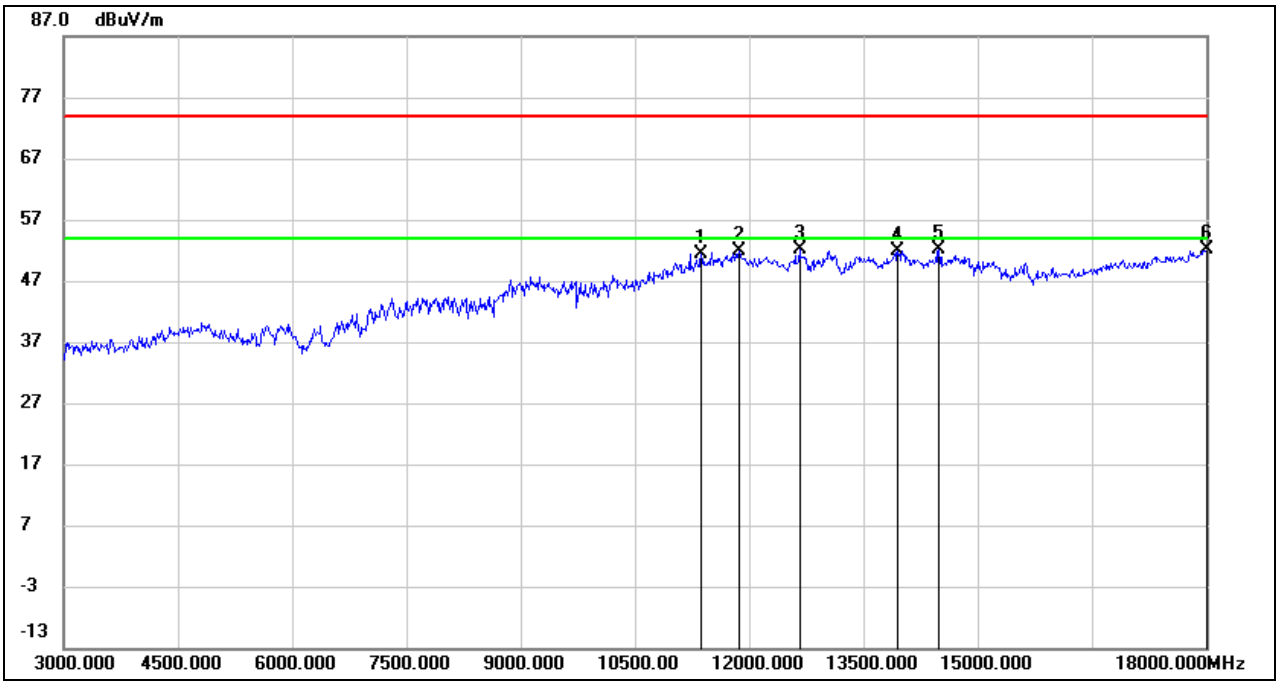
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9240.000	38.05	10.58	48.63	74.00	-25.37	peak
2	10245.000	36.65	12.48	49.13	74.00	-24.87	peak
3	11820.000	33.77	17.47	51.24	74.00	-22.76	peak
4	13545.000	30.74	20.99	51.73	74.00	-22.27	peak
5	13920.000	30.27	21.79	52.06	74.00	-21.94	peak
6	17985.000	26.66	25.60	52.26	74.00	-21.74	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

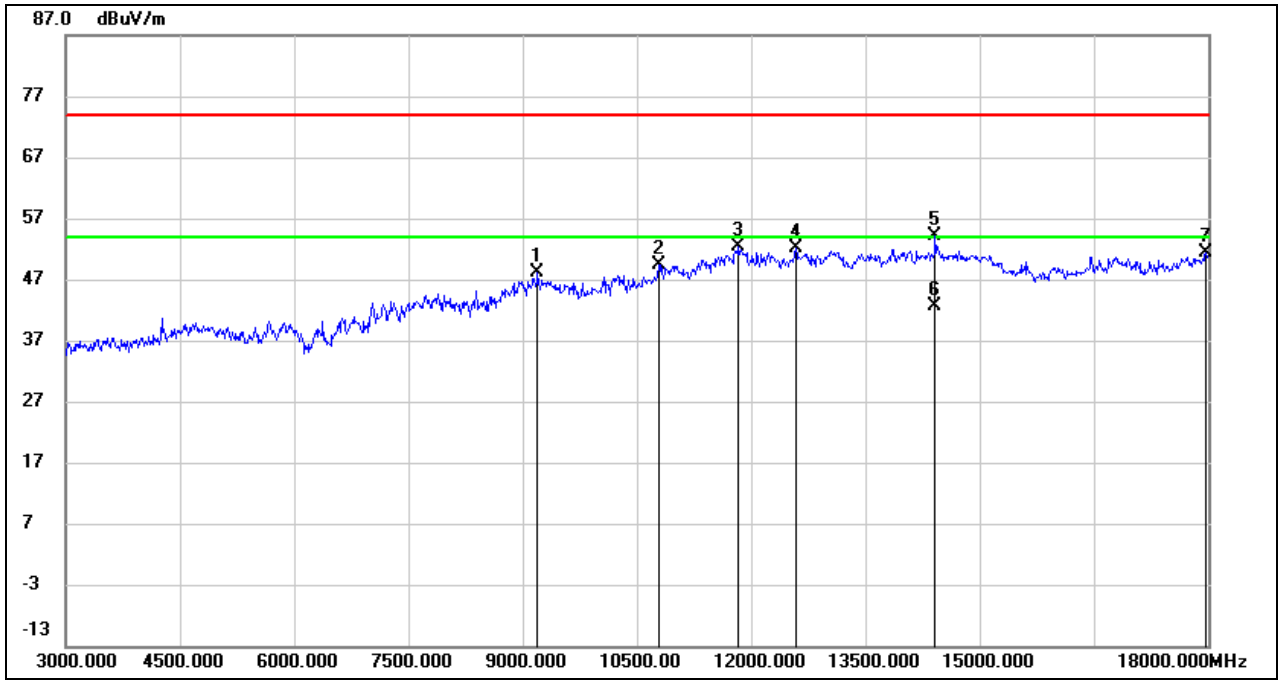
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11370.000	35.17	16.12	51.29	74.00	-22.71	peak
2	11865.000	34.22	17.59	51.81	74.00	-22.19	peak
3	12660.000	34.09	17.95	52.04	74.00	-21.96	peak
4	13950.000	30.05	21.86	51.91	74.00	-22.09	peak
5	14490.000	32.27	19.94	52.21	74.00	-21.79	peak
6	18000.000	26.48	25.69	52.17	74.00	-21.83	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



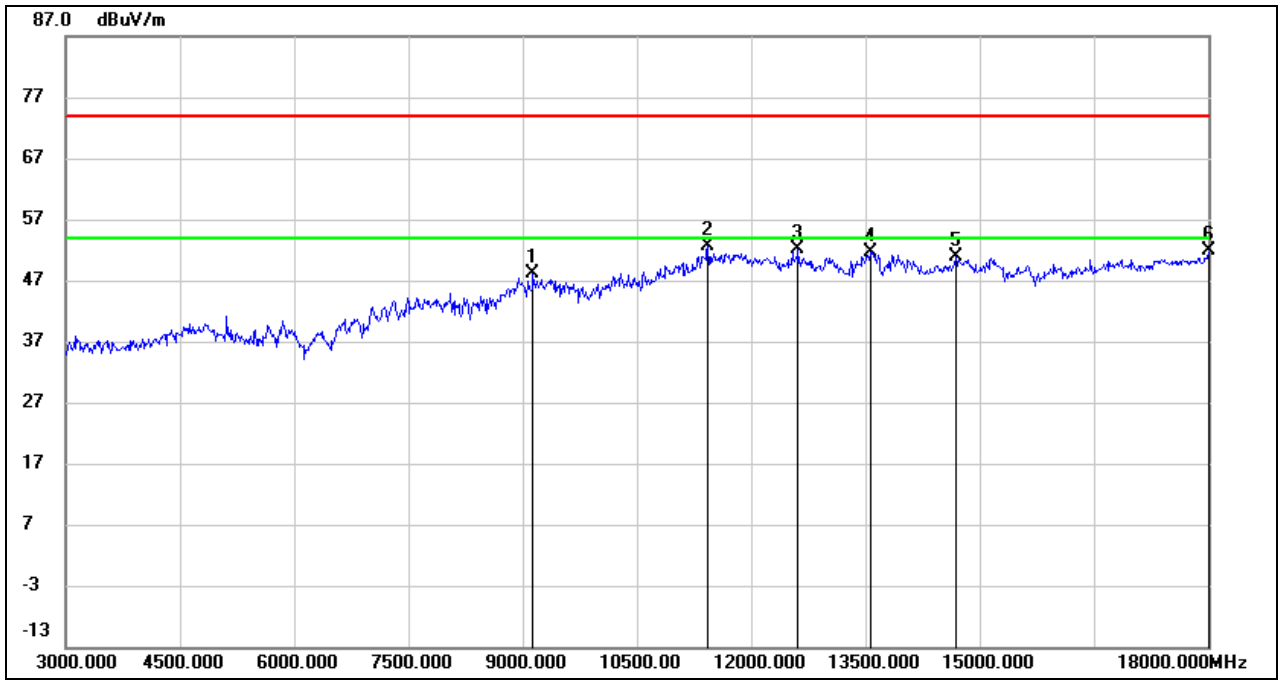
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9195.000	37.47	10.56	48.03	74.00	-25.97	peak
2	10785.000	35.47	14.01	49.48	74.00	-24.52	peak
3	11835.000	34.83	17.51	52.34	74.00	-21.66	peak
4	12585.000	34.33	17.78	52.11	74.00	-21.89	peak
5	14415.000	33.80	20.26	54.06	74.00	-19.94	peak
6	14415.000	22.43	20.26	42.69	54.00	-11.31	AVG
7	17970.000	25.97	25.51	51.48	74.00	-22.52	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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

8.3.7. 2.4 GHz SRD 40 MHz MODE

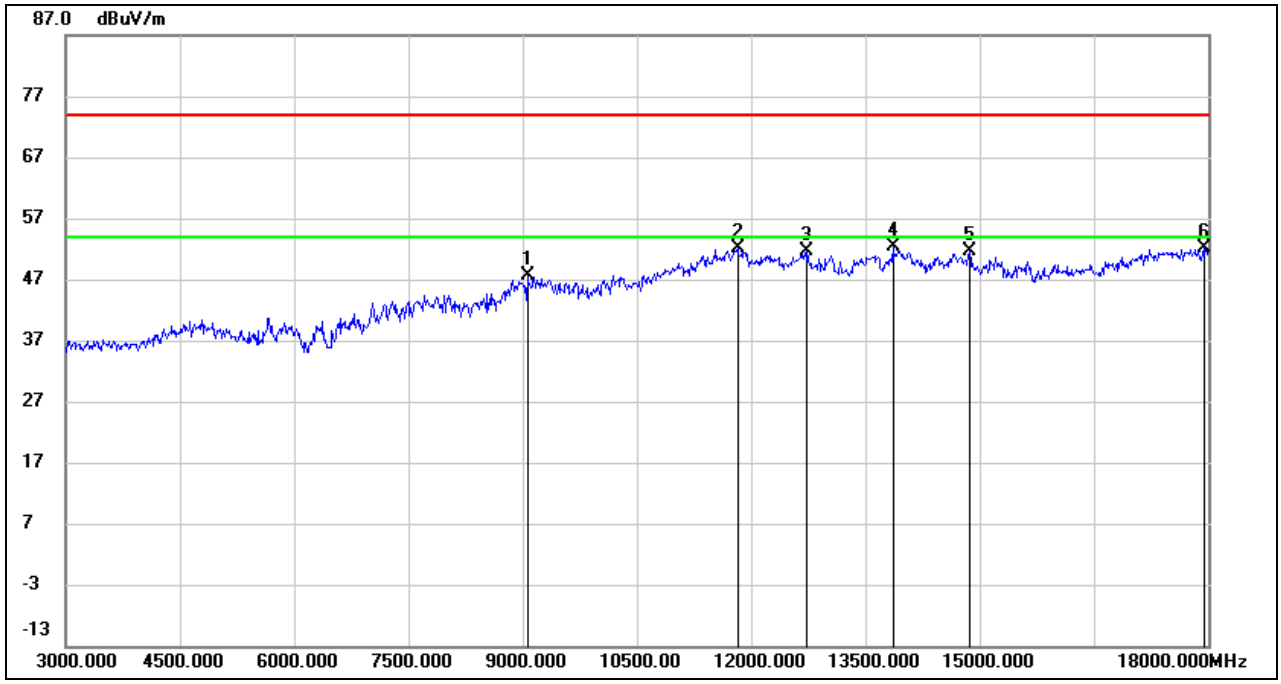
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9135.000	37.65	10.55	48.20	74.00	-25.80	peak
2	11430.000	36.23	16.34	52.57	74.00	-21.43	peak
3	12615.000	34.17	17.86	52.03	74.00	-21.97	peak
4	13560.000	30.51	21.04	51.55	74.00	-22.45	peak
5	14685.000	31.76	19.16	50.92	74.00	-23.08	peak
6	18000.000	26.14	25.69	51.83	74.00	-22.17	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

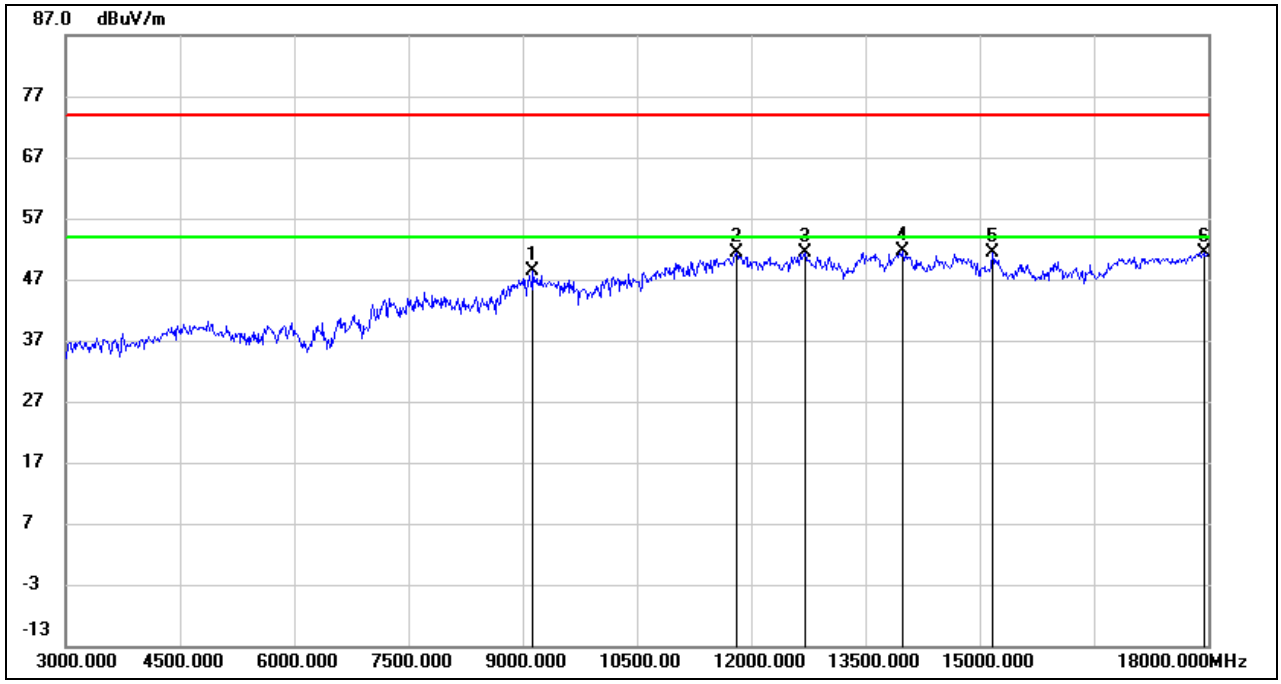
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9060.000	37.22	10.51	47.73	74.00	-26.27	peak
2	11820.000	34.66	17.47	52.13	74.00	-21.87	peak
3	12735.000	33.50	18.12	51.62	74.00	-22.38	peak
4	13860.000	30.63	21.67	52.30	74.00	-21.70	peak
5	14865.000	33.24	18.44	51.68	74.00	-22.32	peak
6	17940.000	26.68	25.34	52.02	74.00	-21.98	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

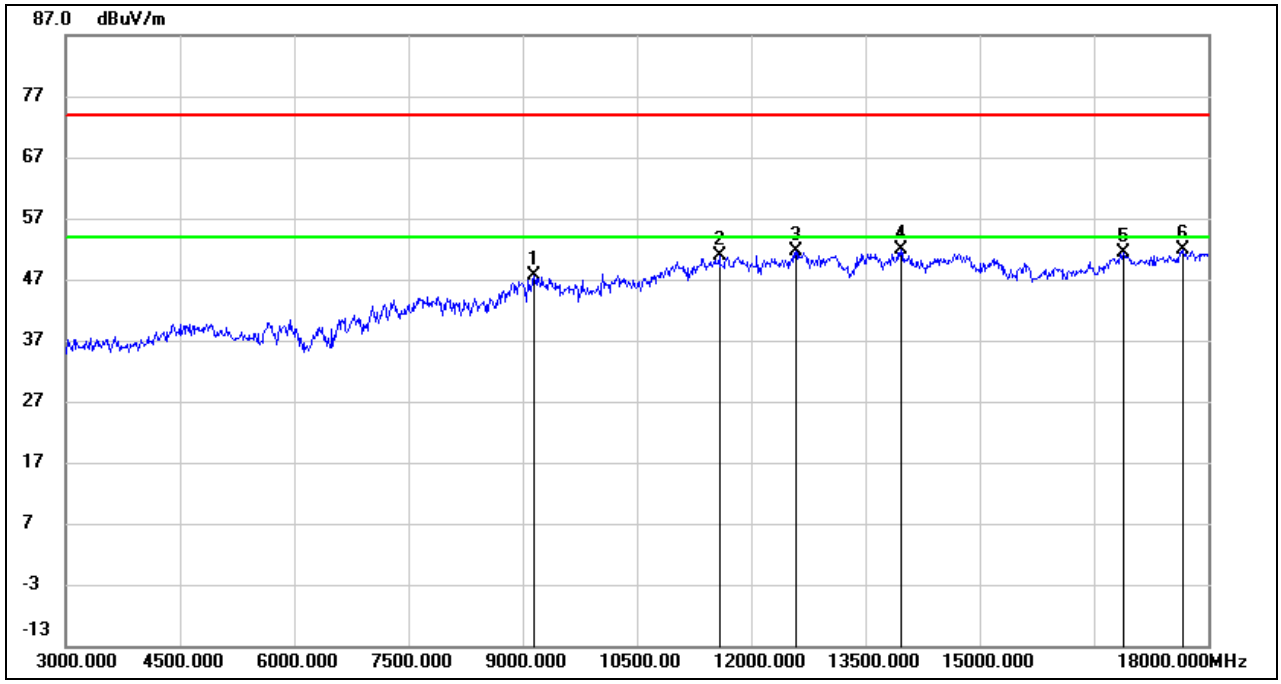
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9135.000	37.85	10.55	48.40	74.00	-25.60	peak
2	11805.000	34.02	17.43	51.45	74.00	-22.55	peak
3	12705.000	33.42	18.06	51.48	74.00	-22.52	peak
4	13995.000	29.71	21.95	51.66	74.00	-22.34	peak
5	15165.000	33.61	17.72	51.33	74.00	-22.67	peak
6	17940.000	26.16	25.34	51.50	74.00	-22.50	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

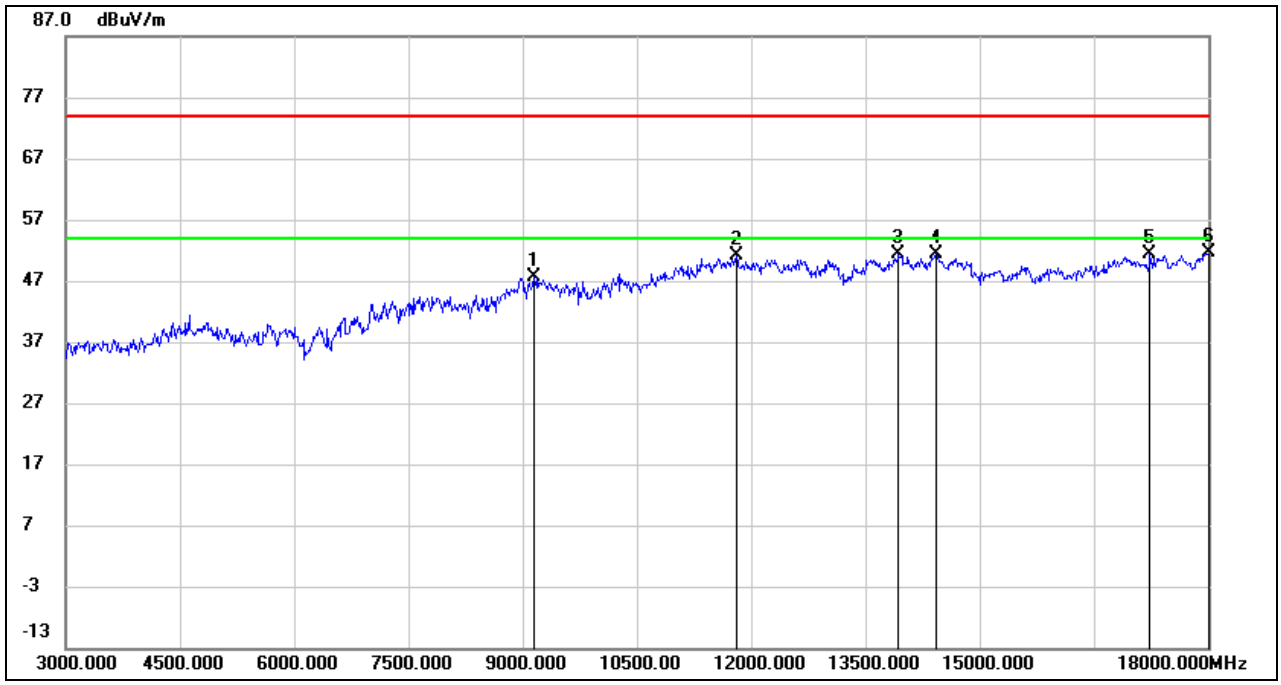
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9150.000	37.12	10.54	47.66	74.00	-26.34	peak
2	11580.000	33.96	16.82	50.78	74.00	-23.22	peak
3	12585.000	33.83	17.78	51.61	74.00	-22.39	peak
4	13965.000	29.88	21.89	51.77	74.00	-22.23	peak
5	16890.000	30.92	20.40	51.32	74.00	-22.68	peak
6	17670.000	28.08	23.73	51.81	74.00	-22.19	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

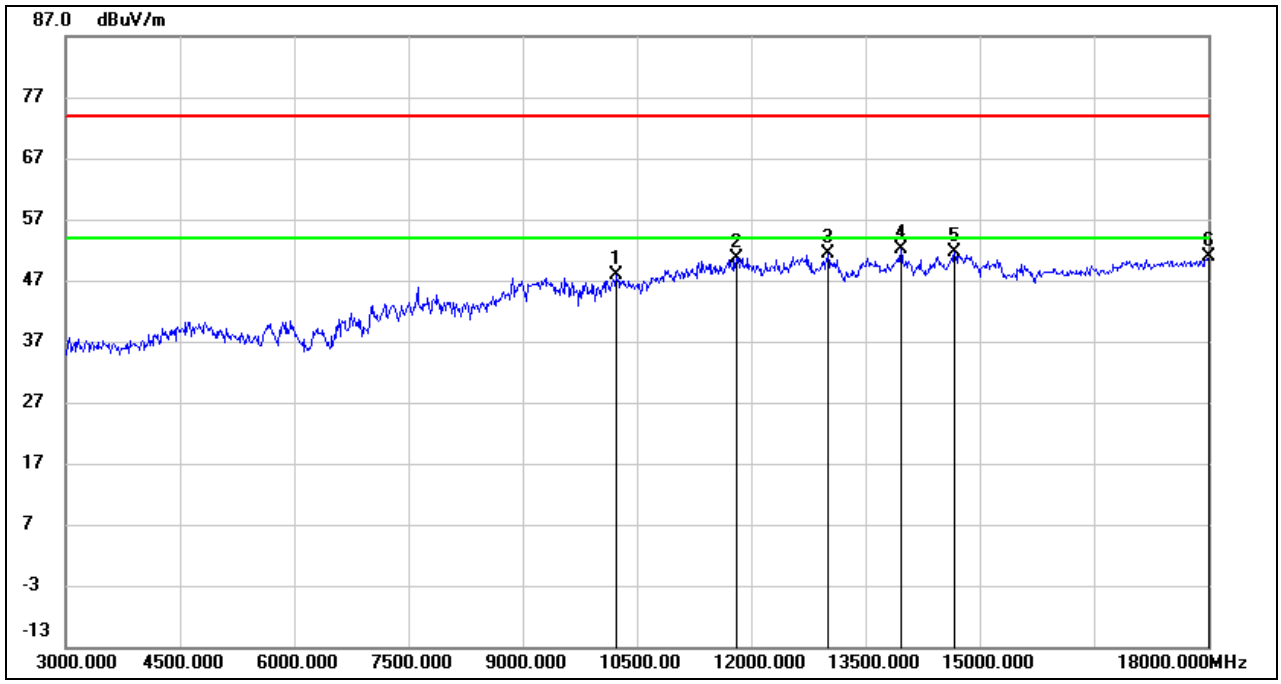
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9150.000	37.10	10.54	47.64	74.00	-26.36	peak
2	11805.000	33.67	17.43	51.10	74.00	-22.90	peak
3	13935.000	29.55	21.82	51.37	74.00	-22.63	peak
4	14430.000	31.25	20.20	51.45	74.00	-22.55	peak
5	17235.000	29.54	21.76	51.30	74.00	-22.70	peak
6	18000.000	26.04	25.69	51.73	74.00	-22.27	peak

Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10230.000	35.47	12.46	47.93	74.00	-26.07	peak
2	11805.000	33.20	17.43	50.63	74.00	-23.37	peak
3	13005.000	32.63	18.74	51.37	74.00	-22.63	peak
4	13965.000	30.27	21.89	52.16	74.00	-21.84	peak
5	14670.000	32.39	19.22	51.61	74.00	-22.39	peak
6	18000.000	25.14	25.69	50.83	74.00	-23.17	peak

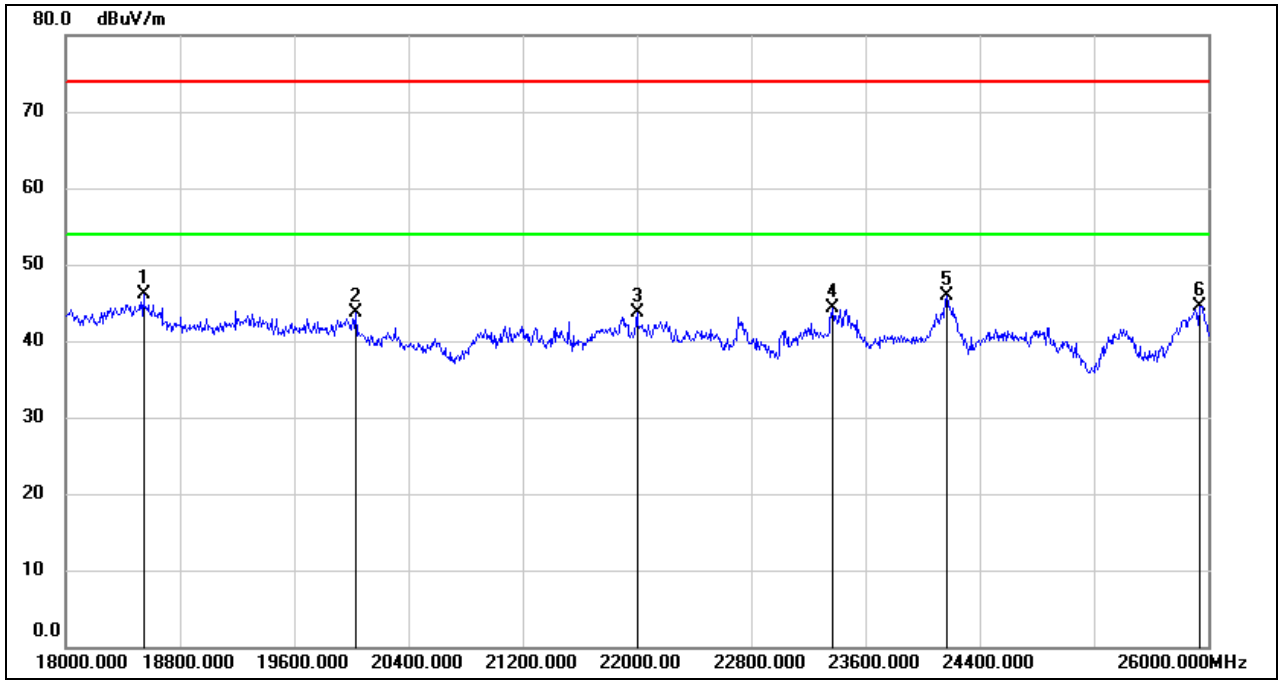
Note: 1. Peak Result = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

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

8.5. SPURIOUS EMISSIONS (18 GHz ~ 26 GHz)

8.5.1. 2.4 GHz SRD 1.4 MHz MODE

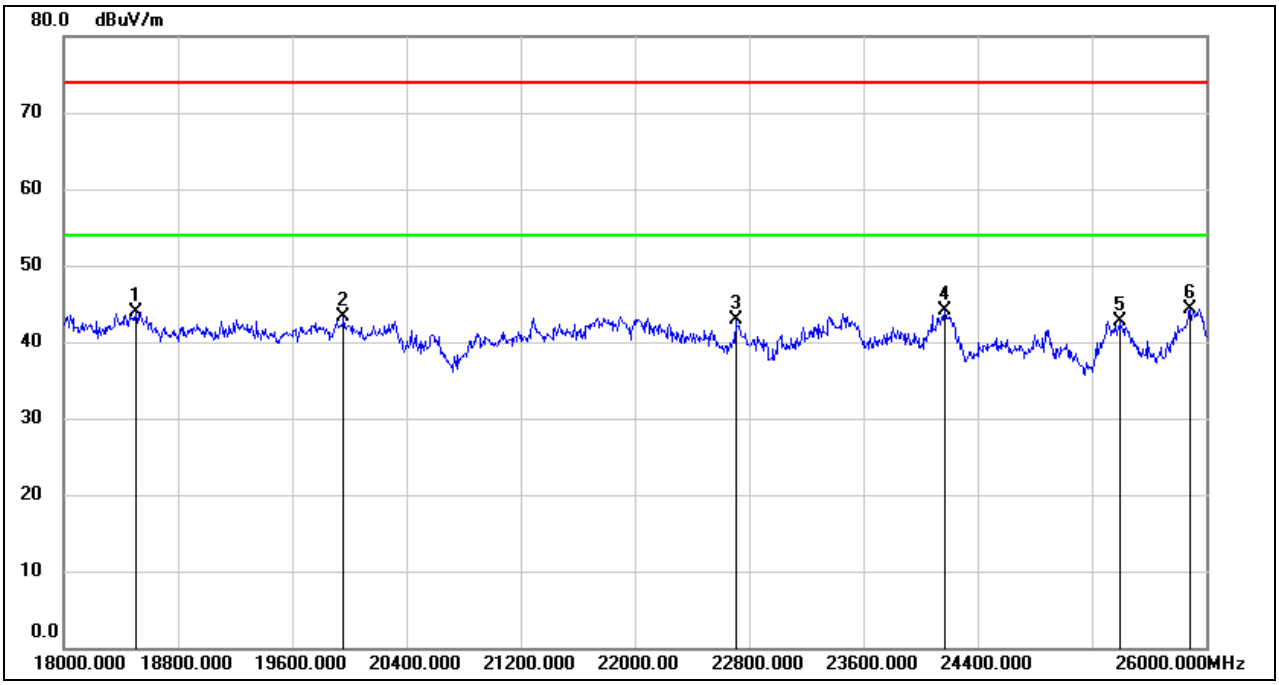
SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18544.000	51.34	-5.28	46.06	74.00	-27.94	peak
2	20032.000	49.11	-5.47	43.64	74.00	-30.36	peak
3	22000.000	48.16	-4.48	43.68	74.00	-30.32	peak
4	23368.000	47.52	-3.26	44.26	74.00	-29.74	peak
5	24168.000	48.62	-2.81	45.81	74.00	-28.19	peak
6	25944.000	45.46	-0.96	44.50	74.00	-29.50	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18504.000	49.12	-5.25	43.87	74.00	-30.13	peak
2	19960.000	48.80	-5.42	43.38	74.00	-30.62	peak
3	22704.000	46.69	-3.73	42.96	74.00	-31.04	peak
4	24168.000	46.94	-2.81	44.13	74.00	-29.87	peak
5	25400.000	44.51	-1.74	42.77	74.00	-31.23	peak
6	25888.000	45.12	-0.85	44.27	74.00	-29.73	peak

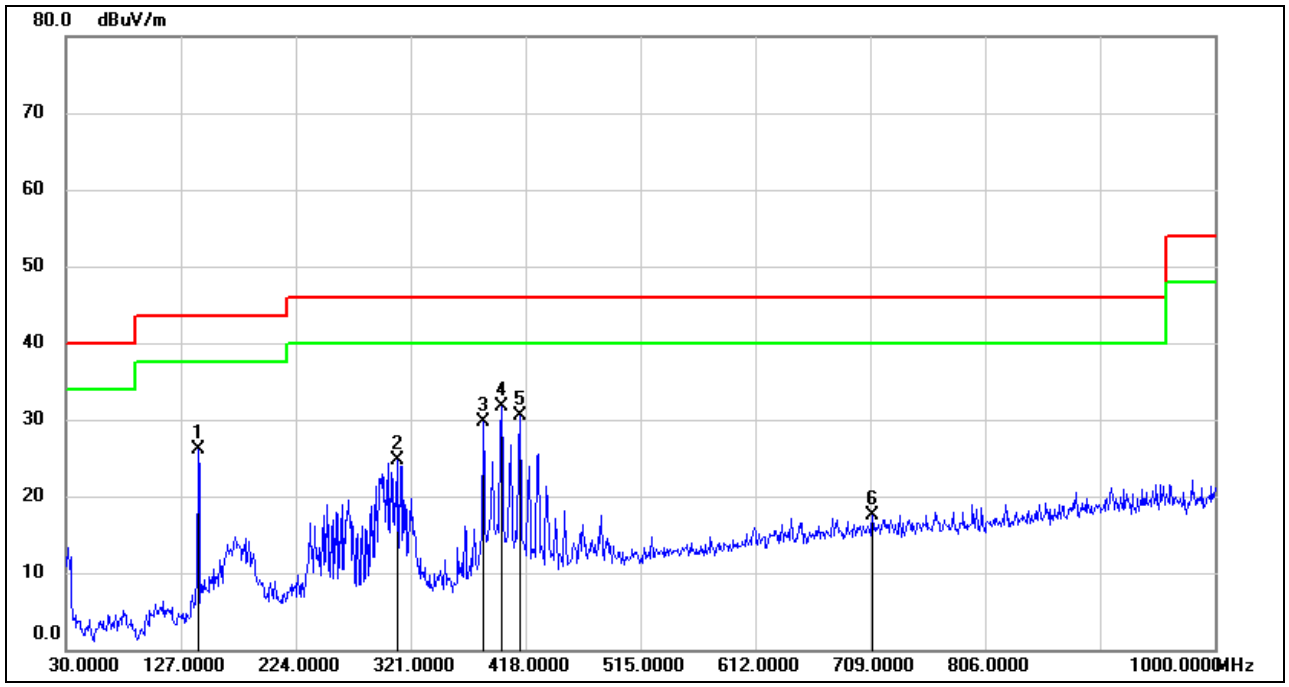
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

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

8.6. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

8.6.1. 2.4 GHz SRD 1.4 MHz MODE

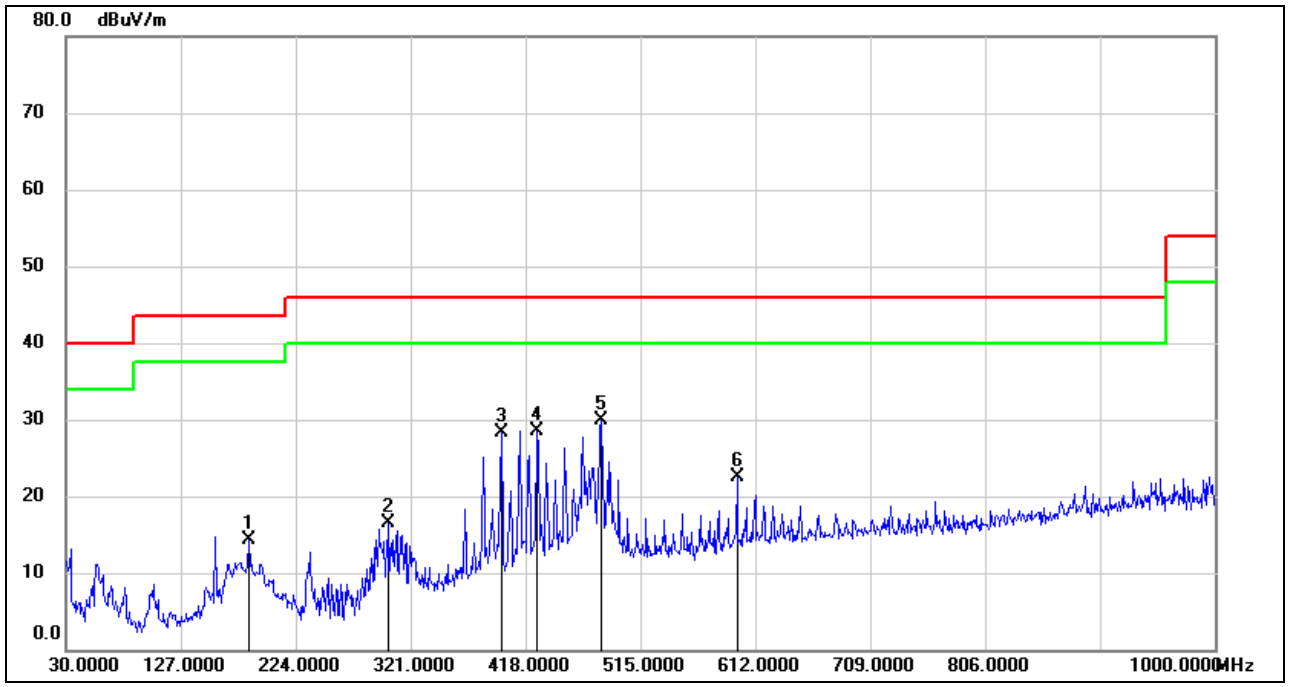
SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	141.5500	44.81	-18.76	26.05	43.50	-17.45	QP
2	310.3299	39.69	-15.07	24.62	46.00	-21.38	QP
3	382.1099	43.24	-13.60	29.64	46.00	-16.36	QP
4	397.6300	45.17	-13.39	31.78	46.00	-14.22	QP
5	413.1500	43.51	-13.08	30.43	46.00	-15.57	QP
6	710.9400	25.71	-8.24	17.47	46.00	-28.53	QP

Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	184.2300	30.98	-16.77	14.21	43.50	-29.29	QP
2	302.5700	31.81	-15.25	16.56	46.00	-29.44	QP
3	397.6300	41.74	-13.39	28.35	46.00	-17.65	QP
4	427.7000	41.31	-12.78	28.53	46.00	-17.47	QP
5	482.0200	41.72	-11.78	29.94	46.00	-16.06	QP
6	596.4800	32.09	-9.64	22.45	46.00	-23.55	QP

Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

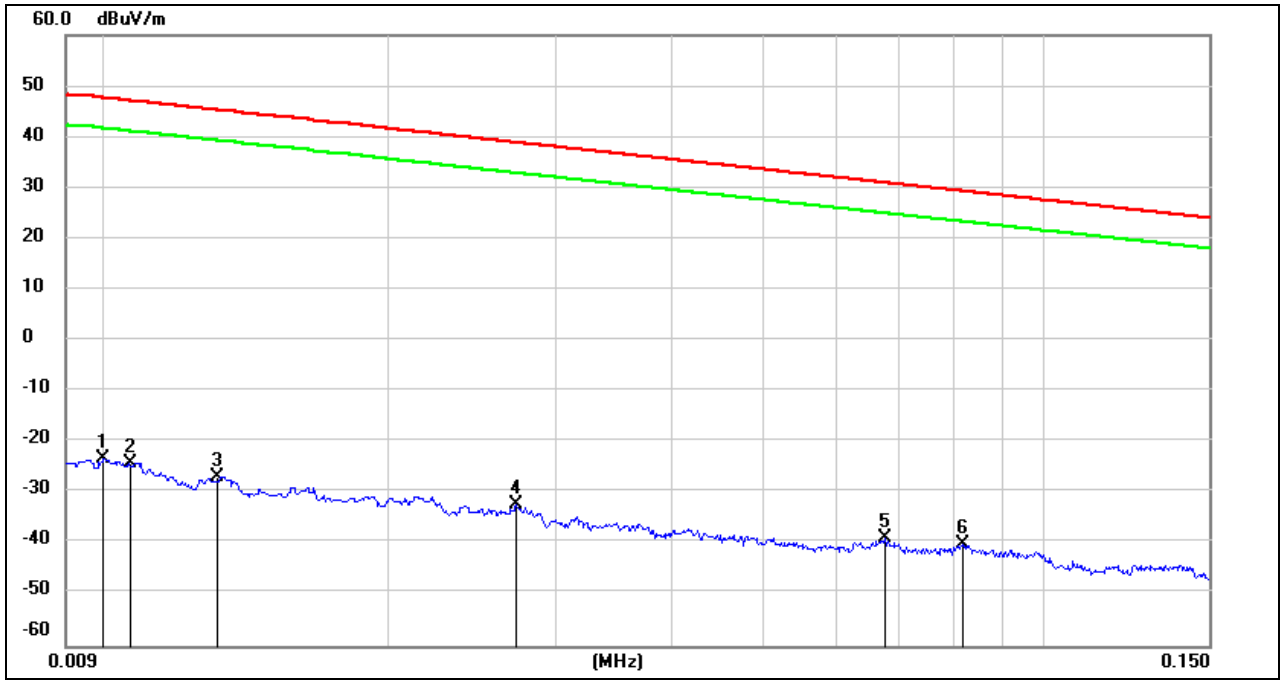
Note: All the modes and channels had been tested, but only the worst data was recorded in the report.

8.7. SPURIOUS EMISSIONS BELOW 30 MHz

8.7.1. 2.4 GHz SRD 1.4 MHz MODE

SPURIOUS EMISSIONS (LOW CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)

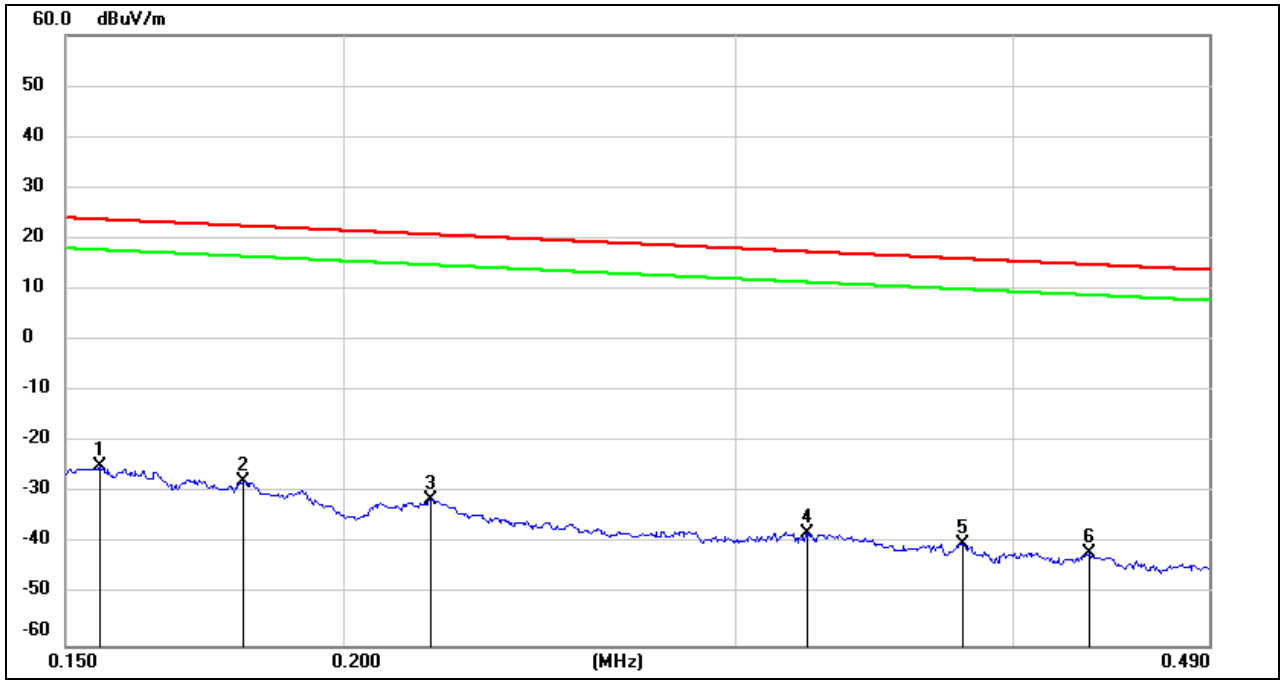
9 kHz ~ 150 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0100	78.22	-101.40	-23.18	47.60	-70.78	peak
2	0.0106	77.38	-101.39	-24.01	47.09	-71.10	peak
3	0.0131	74.47	-101.38	-26.91	45.25	-72.16	peak
4	0.0273	68.99	-101.38	-32.39	38.88	-71.27	peak
5	0.0675	62.64	-101.56	-38.92	31.02	-69.94	peak
6	0.0819	61.52	-101.65	-40.13	29.34	-69.47	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV 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.

150 kHz ~ 490 kHz



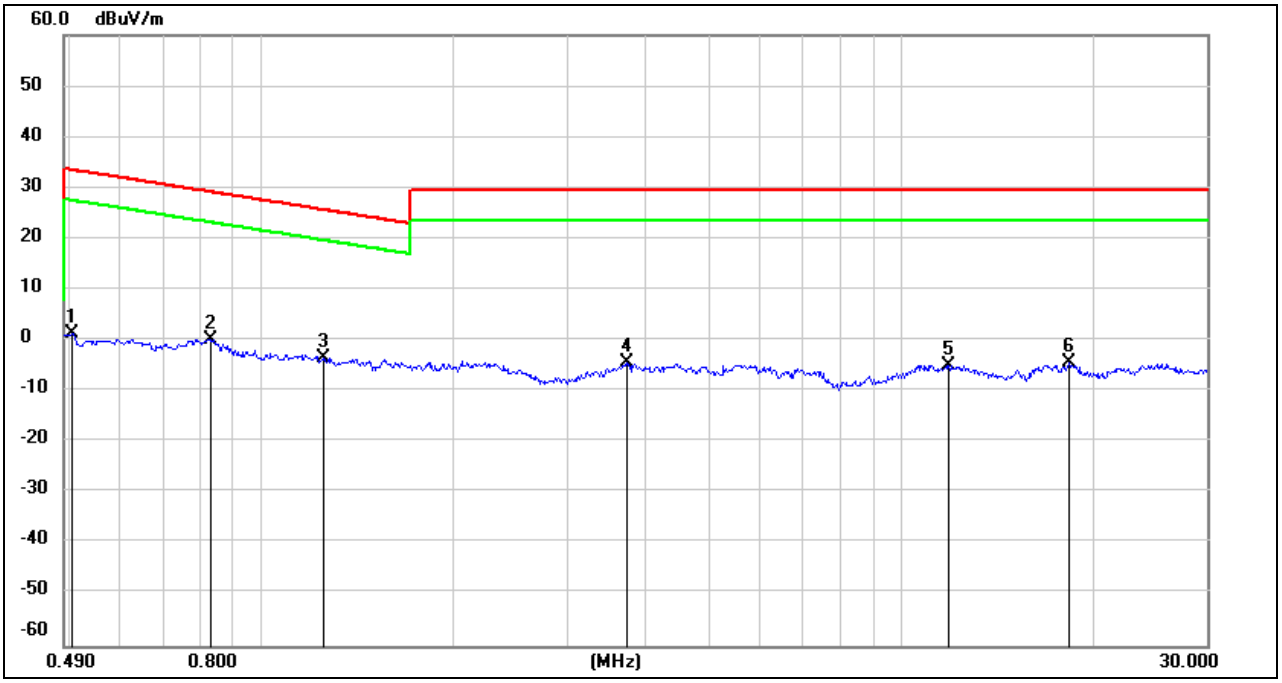
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1554	76.77	-101.65	-24.88	23.77	-48.65	peak
2	0.1801	74.03	-101.68	-27.65	22.50	-50.15	peak
3	0.2190	70.27	-101.75	-31.48	20.79	-52.27	peak
4	0.3234	63.98	-101.88	-37.90	17.41	-55.31	peak
5	0.3800	62.02	-101.94	-39.92	16.01	-55.93	peak
6	0.4329	60.23	-101.99	-41.76	14.87	-56.63	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV 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.

490 kHz ~ 30 MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5039	63.43	-62.07	1.36	33.56	-32.20	peak
2	0.8296	62.44	-62.17	0.27	29.23	-28.96	peak
3	1.2459	58.75	-62.16	-3.41	25.70	-29.11	peak
4	3.7100	57.20	-61.41	-4.21	29.54	-33.75	peak
5	11.8513	56.06	-60.88	-4.82	29.54	-34.36	peak
6	18.2545	56.43	-60.90	-4.47	29.54	-34.01	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV 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.

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

9. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

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

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

RESULTS

Complies

END OF REPORT