



**CFR 47 FCC PART 15 SUBPART C**

**TEST REPORT**

*For*

**VA-1000 HD STREAMING VIDEO DRONE**

**MODEL NUMBER: VL-6267, OA-6286, OA-6287**

**FCC ID: 2ASK3VL-6267T**

**REPORT NUMBER: 4789895964-1**

**ISSUE DATE: April 20, 2021**

*Prepared for*

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OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L TUNG CHOI STREET  
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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V0	04/20/2021	Initial Issue	



Summary of Test Results			
Clause	Test Items	FCC/ISED Rules	Test Results
1	20dB Bandwidth and 99% Occupied Bandwidth	CFR 47 FCC §15.215 (c)	Pass
2	Radiated Emission	CFR 47 FCC §15.249 (a)(d)(e) CFR 47 FCC §15.205 and §15.209	Pass
3	Conducted Emission Test for AC Power Port	FCC Part 15.207	Not Applicable (Note 3)
4	Antenna Requirement	CFR 47 FCC §15.203	Pass

Note 1: This test report is only published to and used by the applicant, and it is not for evidence purpose in China.  
Note 2: 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.  
Note 3: The EUT was power by battery and can't be charged.

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# 1. ATTESTATION OF TEST RESULTS

## Applicant Information

Company Name: AMAX INDUSTRIAL GROUP CHINA CO.,LTD  
Address: OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L  
TUNG CHOI STREET MONGKOK KOWLOON HONG KONG

## Manufacturer Information

Company Name: AMAX INDUSTRIAL GROUP CHINA CO.,LTD  
Address: OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L  
TUNG CHOI STREET MONGKOK KOWLOON HONG KONG

## EUT Information

EUT Name: VA-1000 HD STREAMING VIDEO DRONE  
Model: VL-6267, OA-6286, OA-6287  
Serial Model: Please refer to clause 5.1. Description of EUT  
Sample Received Date: April 7, 2021  
Sample Status: Normal  
Sample ID: 3788506  
Date of Tested: April 7, 2021 ~ April 14, 2021

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

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## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 414788 D01 Radiated Test Site v01r01, FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2013, ISED RSS-210 Issue 10 and RSS-GEN Issue 5.

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.</p> <p><b>ISED (Company No.: 21320)</b> 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.</p> <p><b>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)</b> 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</p>
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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
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.
3. For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.



## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

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

### 4.2. MEASUREMENT UNCERTAINTY

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

Test Item	Uncertainty
Conduction emission	3.62dB
Radiation Emission test (include Fundamental emission) (9KHz-30MHz)	2.2dB
Radiation Emission test (include Fundamental emission) (30MHz-1GHz)	4.00dB
Radiation Emission test (1GHz to 26GHz) (include Fundamental emission)	5.78dB (1GHz-18GHz)
	5.23dB (18GHz-26GHz)
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	VA-1000 HD STREAMING VIDEO DRONE	
Model	VL-6267, OA-6286, OA-6287	
Model difference	OA-6286/OA-6287 have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction with VL-6267. The difference lies only the model number and color.	
Product Description	Operation Frequency	2408 MHz ~ 2472 MHz
	Modulation Type	GFSK
Power Supply	DC 4.5 V	

### 5.2. MAXIMUM FIELD STRENGTH

Frequency (MHz)	Channel Number	Max Peak field strength (dB $\mu$ V/m)
2408	1[66]	81.36

### 5.3. CHANNEL LIST

Channel	Frequency (MHz)						
1	2408	18	2424	35	2441	52	2458
2	2409	19	2425	36	2442	53	2459
3	2410	20	2426	37	2443	54	2460
4	2411	21	2427	38	2444	55	2461
5	2412	22	2428	39	2445	56	2462
6	2413	23	2429	40	2446	57	2463
7	2414	24	2430	41	2447	58	2464
8	2415	25	2431	42	2448	59	2465
9	2416	26	2432	43	2449	60	2466
10	2417	27	2433	44	2450	61	2467
11	2418	28	2434	45	2451	62	2468
12	2419	29	2435	46	2452	63	2469
13	2420	30	2436	47	2453	64	2470
14	2421	31	2437	48	2454	65	2471
15	2422	32	2438	49	2455	66	2472
16	2423	33	2439	50	2456	67	
17	2424	34	2440	51	2457	68	

**5.4. DESCRIPTION OF AVAILABLE ANTENNAS**

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
1	2408 ~ 2472	Wire Antenna	0

Test Mode	Transmit and Receive Mode	Description
GFSK	<input checked="" type="checkbox"/> 1TX	Antenna 1 can be used as transmitting antenna.

**5.5. TEST CHANNEL CONFIGURATION**

Test Mode	Test Channel	Frequency
GFSK	CH 1 (Low Channel), CH 34 (MID Channel), CH 66 (High Channel)	2408MHz, 2440MHz, 2472MHz

**5.6. THE WORSE CASE POWER SETTING PARAMETER**

The Worse Case Power Setting Parameter under 2408 MHz ~ 2472 MHz Band				
Test Software Version		/		
Modulation Type	Transmit Antenna Number	Test Channel		
		CH 1	CH 34	CH 66
GFSK	1	Default	Default	Default

**5.7. TEST ENVIRONMENT**

Environment Parameter	Selected Values During Tests	
Relative Humidity	55 ~ 65%	
Atmospheric Pressure:	1025Pa	
Temperature	TN	22 ~ 28°C
Voltage:	VL	/
	VN	DC 4.5 V
	VH	/

Note: VL= Lower Extreme Test Voltage  
 VN= Nominal Voltage  
 VH= Upper Extreme Test Voltage  
 TN= Normal Temperature



## 5.8. DESCRIPTION OF TEST SETUP

### SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	P/N
/	/	/	/	/

### I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
/	/	/	/	/	/

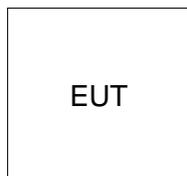
### ACCESSORY

Item	Equipment	Mfr/Brand	Model/Type No.	Specification	Series No.
/	/	/	/	/	/

### TEST SETUP

The EUT have the engineer mode inside.

### SETUP DIAGRAM FOR TEST



Note: New battery was used during all tests.

**5.9. MEASURING INSTRUMENT AND SOFTWARE USED**

Radiated Emissions						
Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
<input checked="" type="checkbox"/>	MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Nov. 12, 2020	Nov. 11, 2021
<input checked="" type="checkbox"/>	Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	Aug. 11, 2018	Aug. 10, 2021
<input checked="" type="checkbox"/>	Preamplifier	HP	8447D	2944A09099	Nov. 12, 2020	Nov. 11, 2021
<input checked="" type="checkbox"/>	EMI Measurement Receiver	R&S	ESR26	101377	Nov. 12, 2020	Nov. 11, 2021
<input checked="" type="checkbox"/>	Horn Antenna	TDK	HRN-0118	130939	Sept. 17, 2018	Sept. 17, 2021
<input checked="" type="checkbox"/>	Preamplifier	TDK	PA-02-0118	TRS-305-00067	Nov. 20, 2020	Nov. 19, 2021
<input checked="" type="checkbox"/>	Horn Antenna	Schwarzbeck	BBHA9170	#691	Aug. 11, 2018	Aug. 11, 2021
<input checked="" type="checkbox"/>	Preamplifier	TDK	PA-02-2	TRS-307-00003	Nov. 12, 2020	Nov. 11, 2021
<input checked="" type="checkbox"/>	Preamplifier	TDK	PA-02-3	TRS-308-00002	Nov. 12, 2020	Nov. 11, 2021
<input checked="" type="checkbox"/>	Loop antenna	Schwarzbeck	1519B	00008	Jan.17, 2019	Jan.17,2022
<input checked="" type="checkbox"/>	Preamplifier	TDK	PA-02-001-3000	TRS-302-00050	Nov. 12, 2020	Nov. 11, 2021
<input checked="" type="checkbox"/>	Preamplifier	Mini-Circuits	ZX60-83LN-S+	SUP01201941	Nov. 20, 2020	Nov. 19, 2021
<input checked="" type="checkbox"/>	Band Reject Filter	Wainwright	WRCJV8-2350-2400-2483.5-2533.5-40SS	4	Nov. 12, 2020	Nov. 11, 2021
<input checked="" type="checkbox"/>	High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Nov. 12, 2020	Nov. 11, 2021
Software						
Used	Description		Manufacturer	Name	Version	
<input checked="" type="checkbox"/>	Test Software for Radiated disturbance		Farad	EZ-EMC	Ver. UL-3A1	

## 6. ANTENNA PORT TEST RESULTS

### 6.1. ON TIME AND DUTY CYCLE

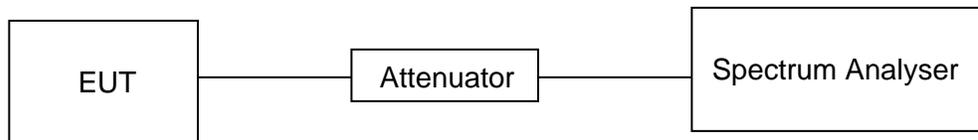
#### LIMITS

None; for reporting purposes only

#### PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method

#### TEST SETUP



#### TEST ENVIRONMENT

Temperature	26.4°C	Relative Humidity	57.2 %
Atmosphere Pressure	101kPa	Test Voltage	DC 4.5 V

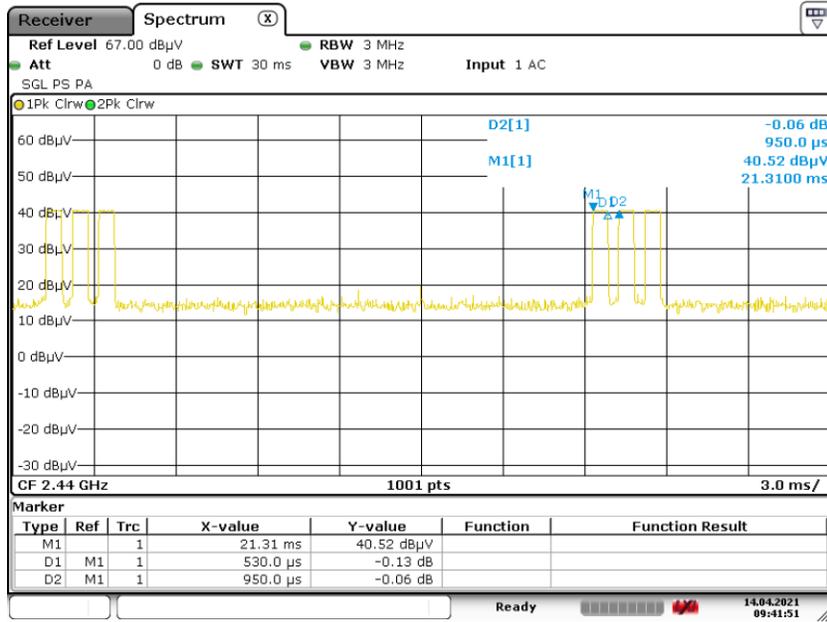
#### RESULTS

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (db)
GFSK	7.95	100	0.0795	7.95	-21.99

Note: Duty Cycle Correction Factor=20log(x).  
Where: x is Duty Cycle

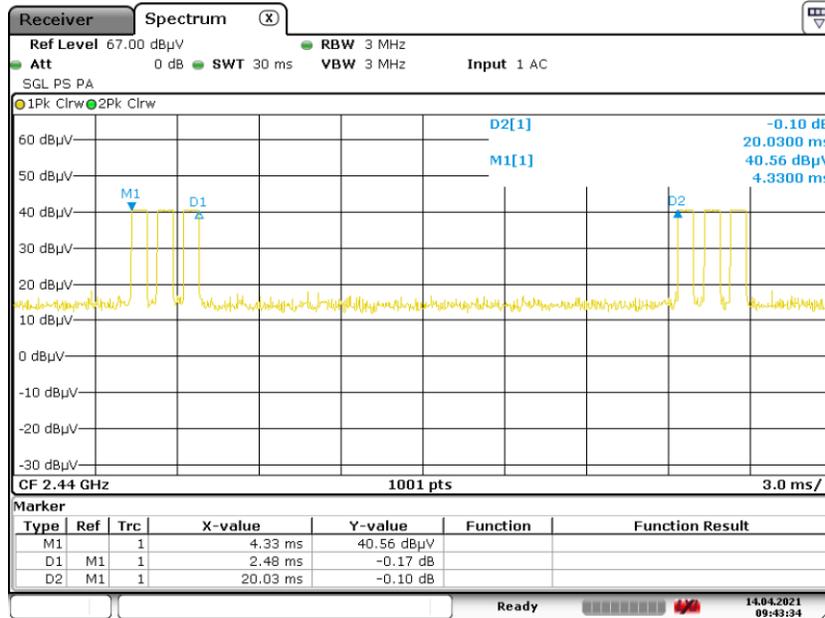


ON TIME AND DUTY CYCLE MID CH PLOT-1



Date: 14.APR.2021 09:41:51

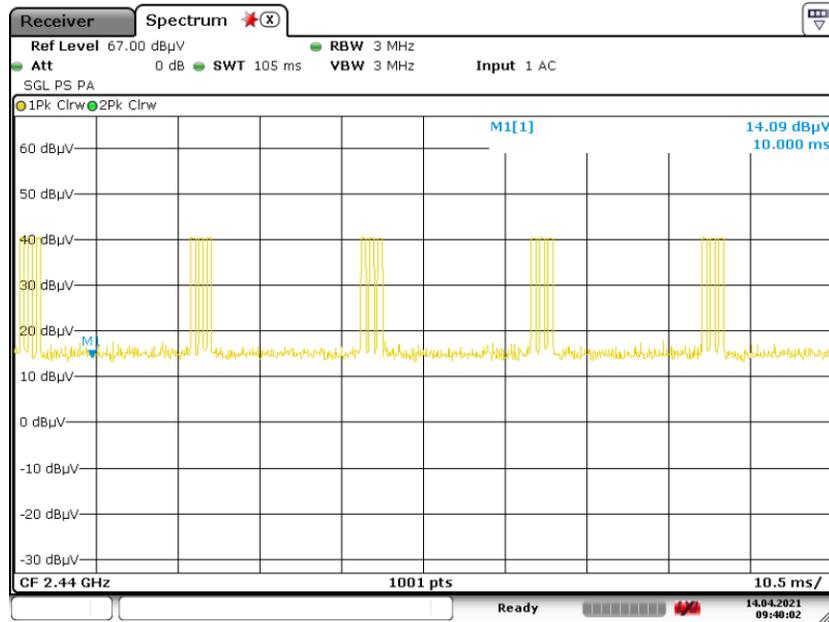
ON TIME AND DUTY CYCLE MID CH PLOT-2



Date: 14.APR.2021 09:43:34



### ON TIME AND DUTY CYCLE MID CH PLOT-3



Date: 14.APR.2021 09:40:03

Note: All the modes had been tested, but only the worst duty cycle recorded in the report.

## 6.2. 20 dB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

### LIMITS

CFR 47 FCC Part15 (15.249) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC §15.215 (c)	20dB Bandwidth	for reporting purposes only	2400-2483.5
ISED RSS-Gen Clause 6.7 Issue 5	99% Occupied Bandwidth	For reporting purposes only.	2400-2483.5

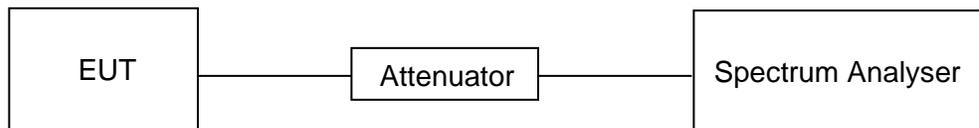
### TEST PROCEDURE

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

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the occupied bandwidth
VBW	approximately 3×RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB/99% relative to the maximum level measured in the fundamental emission.

### TEST SETUP



### TEST ENVIRONMENT

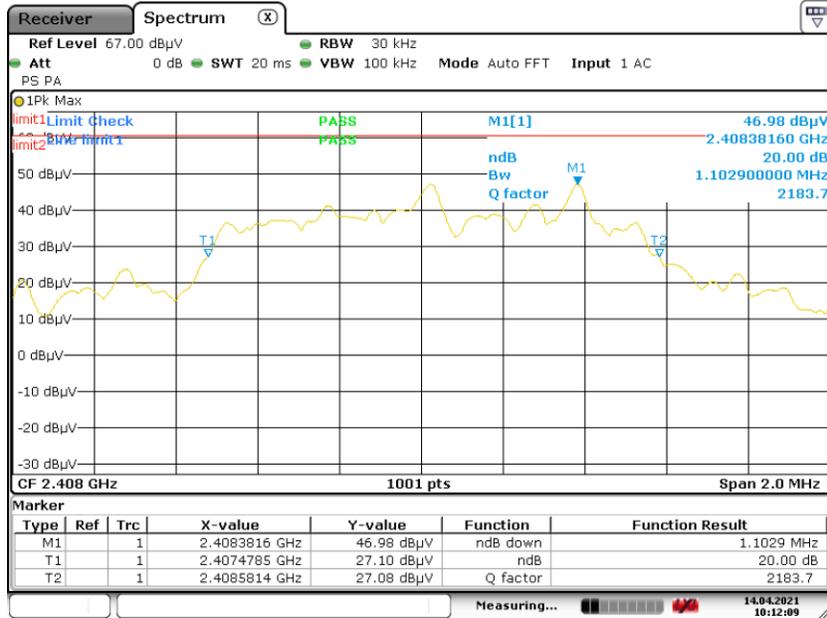
Temperature	26.4°C	Relative Humidity	57.2 %
Atmosphere Pressure	101kPa	Test Voltage	DC 4.5 V



**RESULTS**

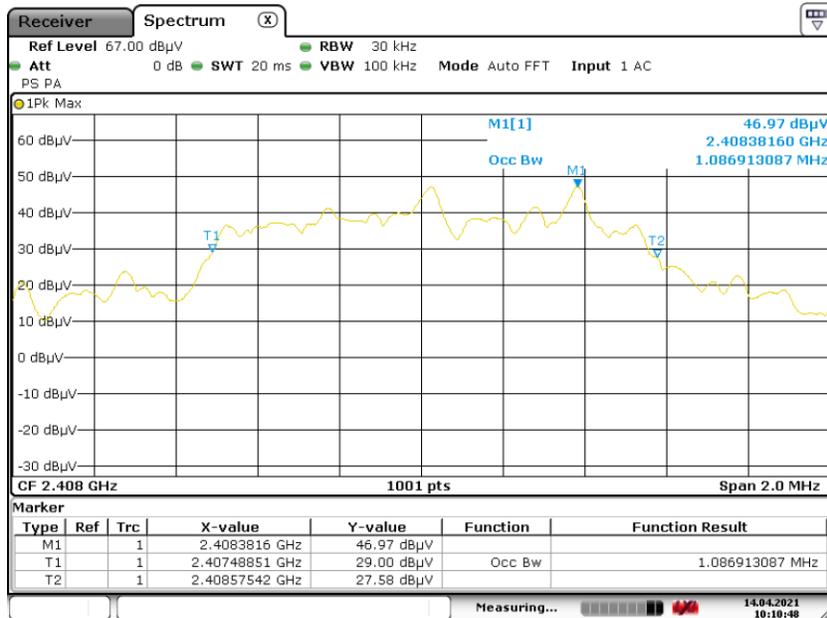
Frequency (MHz)	20dB bandwidth (MHz)	99% bandwidth (MHz)	Result
2408	1.1029	1.0869	PASS

**20 dB BANDWIDTH LOW CH**



Date: 14.APR.2021 10:12:09

**99% OCCUPIED BANDWIDTH LOW CH**

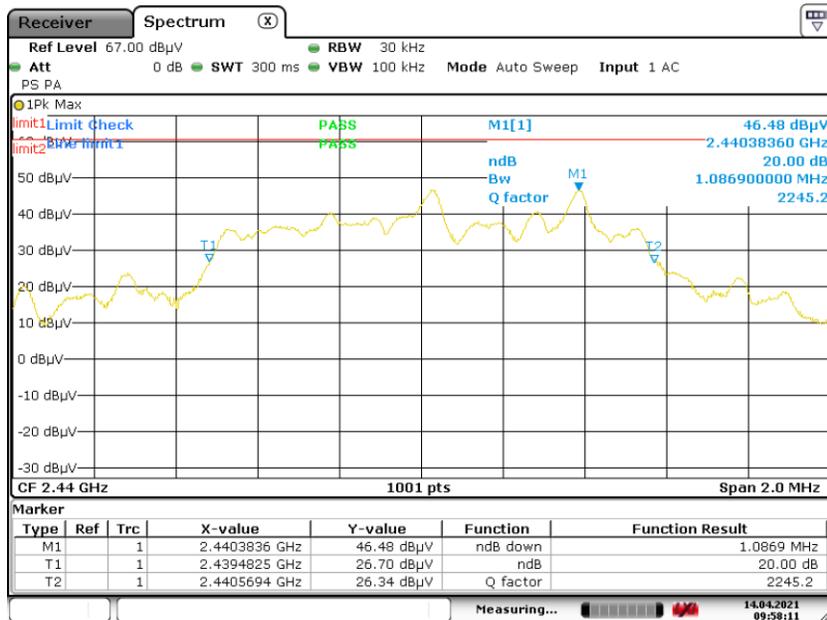


Date: 14.APR.2021 10:10:48



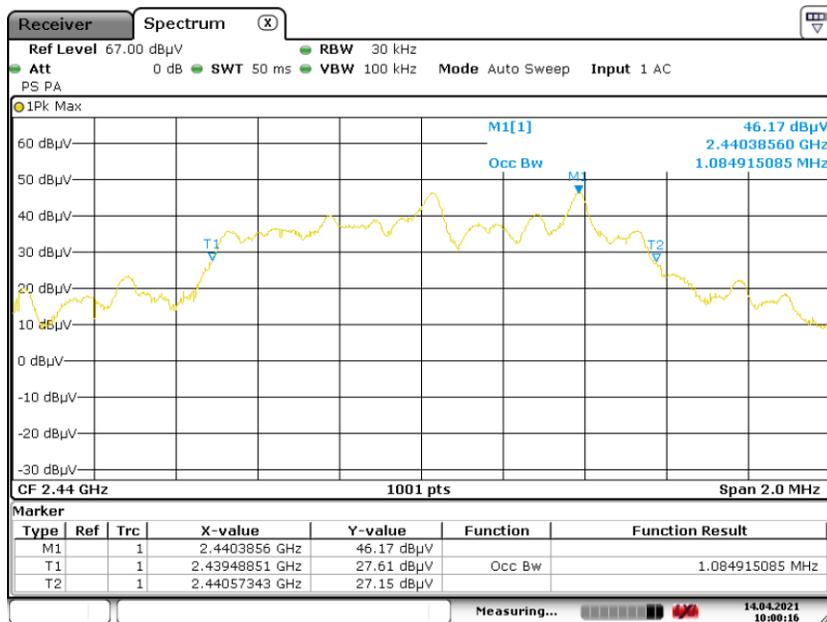
Frequency (MHz)	20dB bandwidth (MHz)	99% bandwidth (MHz)	Result
2440	1.0869	1.0849	PASS

### 20 dB BANDWIDTH MID CH



Date: 14.APR.2021 09:58:12

### 99% OCCUPIED BANDWIDTH MID CH

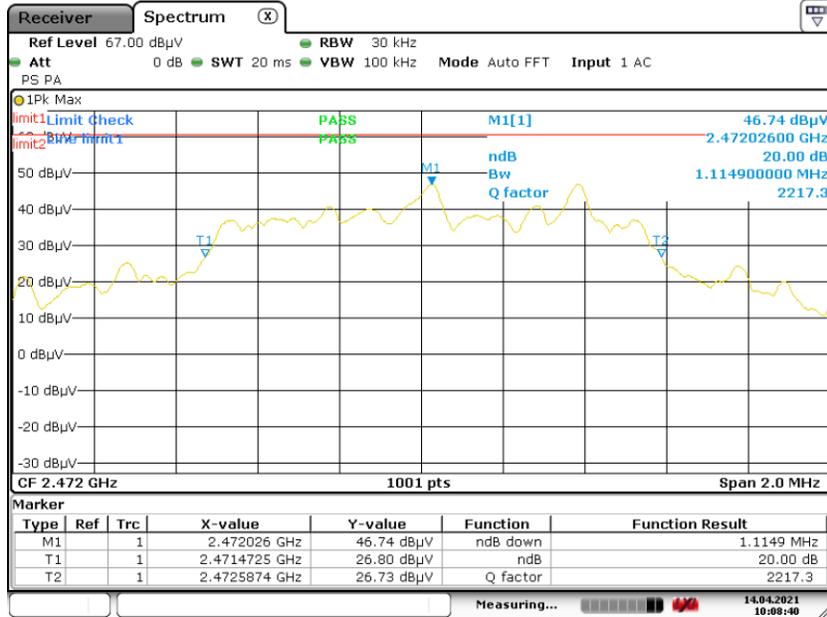


Date: 14.APR.2021 10:00:16



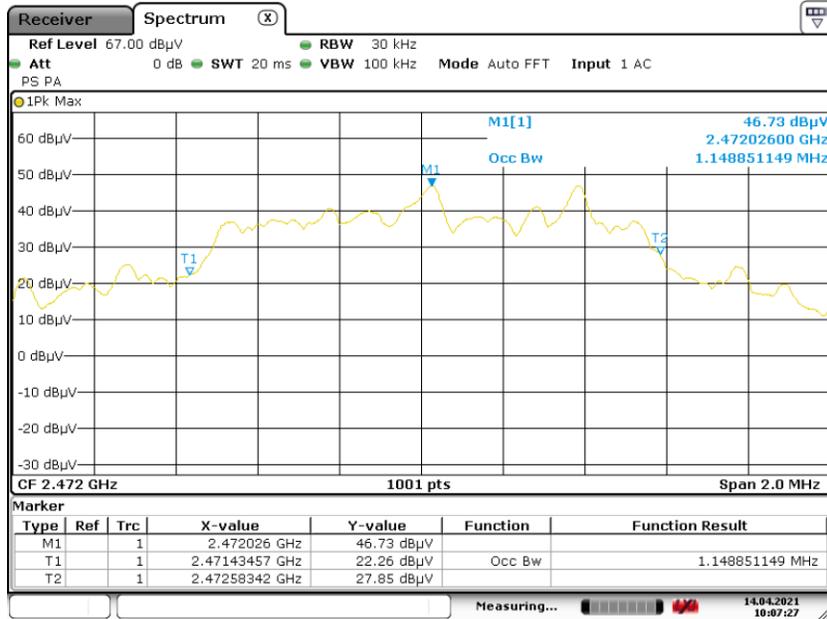
Frequency (MHz)	20dB bandwidth (MHz)	99% bandwidth (MHz)	Result
2472	1.1149	1.4885	PASS

20 dB BANDWIDTH HIG CH



Date: 14.APR.2021 10:08:40

99% OCCUPIED BANDWIDTH HIG CH



Date: 14.APR.2021 10:07:27



## 7. RADIATED TEST RESULTS

### 7.1. LIMITS AND PROCEDURE

#### LIMITS

CFR 47 FCC §15.205 and §15.209

CFR 47 FCC §15.249 (a)(d)(c)(e)

The field strength of emissions from intentional radiators operated within these frequency bands			
Frequency (MHz)	Field strength of Fundamental	Field strength of Harmonics	Distance (m)
902 - 928	50 mV/m (94dBuV/m)	500 uV/m (54dBuV/m)	3
2400 – 2483.5	50 mV/m (94dBuV/m)	500 uV/m (54dBuV/m)	3
5725 – 5875	50 mV/m (94dBuV/m)	500 uV/m (54dBuV/m)	3

Emissions radiated outside of the specified frequency bands above 30MHz			
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 30MHz		
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



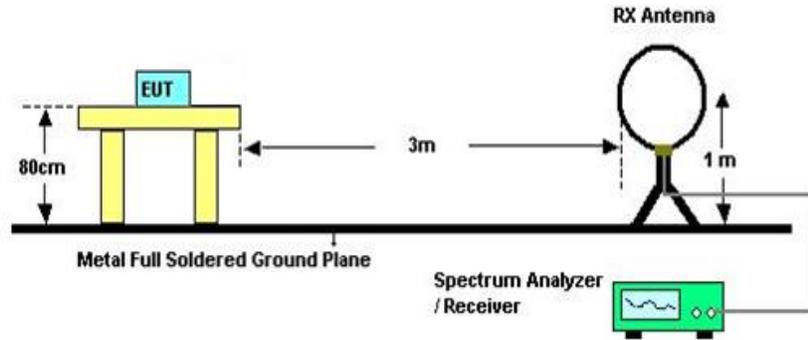
FCC Restricted bands of operation:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 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	( <sup>2</sup> )
13.36-13.41			

Note: <sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.  
<sup>2</sup>Above 38.6c

**TEST SETUP AND PROCEDURE**

Below 30MHz

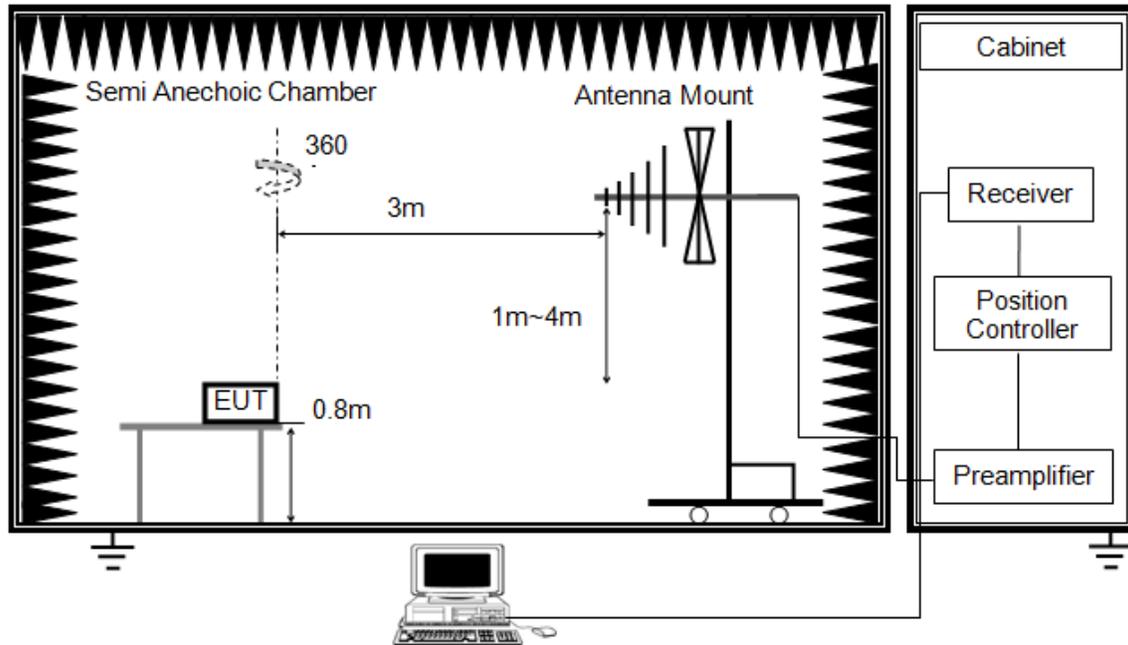


The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
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 meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m 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 1000MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
6. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open field site. Therefore, the sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Below 1G

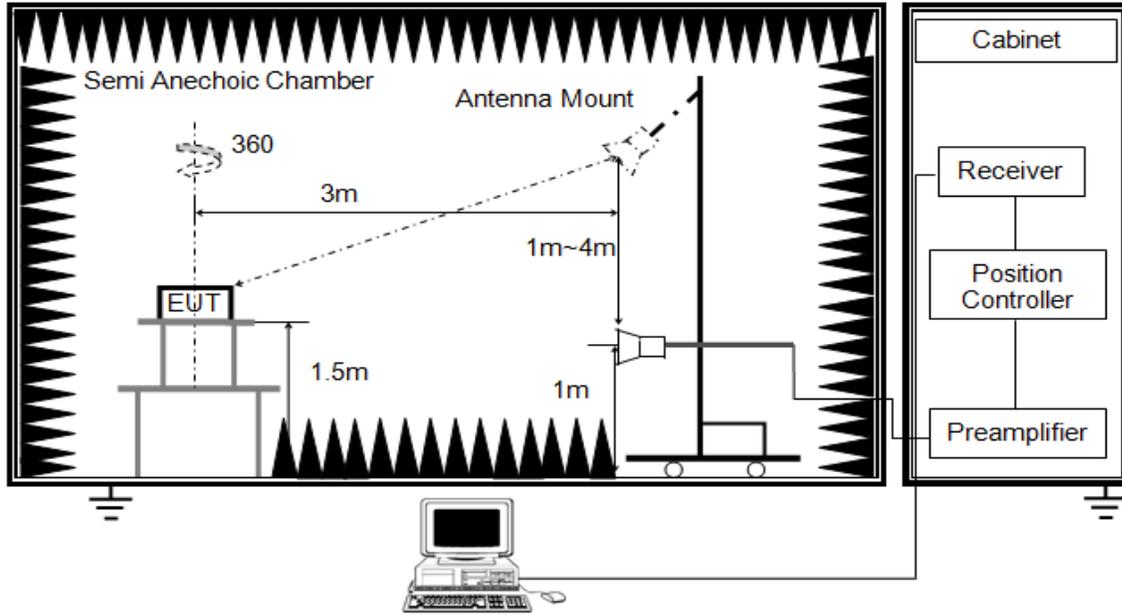


The setting of the spectrum analyser

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

1. The testing follows the guidelines in ANSI C63.10-2013.
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 80cm 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. 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

Above 1G



The setting of the spectrum analyser. (For Bandedge and Field strength)

RBW	$\geq$ OBW (2MHz)
VBW	PEAK: $\geq$ 3xRBW AVG: see note 5
Sweep	Auto
Detector	Peak
Trace	Max hold

The setting of the spectrum analyser. (For Spurious emissions)

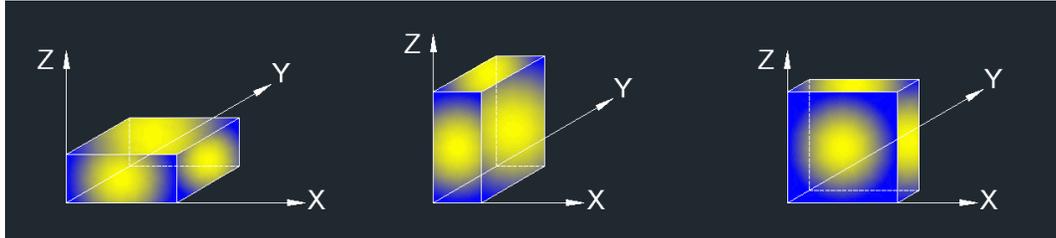
RBW	1MHz
VBW	PEAK: 3MHz AVG: see note 5
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (1.5 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter or band reject 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 150cm 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 measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements. Where necessary, average emission are

determined by applying the Duty Cycle Correction Factor to the peak measurements. For the Duty Cycle and Correction Factor please refer to clause 6.1. ON TIME AND DUTY CYCLE.

6. For measurements Bandedge above 1 GHz, the resolution bandwidth is set to 2 MHz, then the video bandwidth is set to  $\geq 3 \times \text{RBW}$  for peak measurements. This test results are worse than using 1MHz resolution bandwidth, so if the result is pass, the test is considered to meet the standard requirements.

X axis, Y axis, Z axis positions:



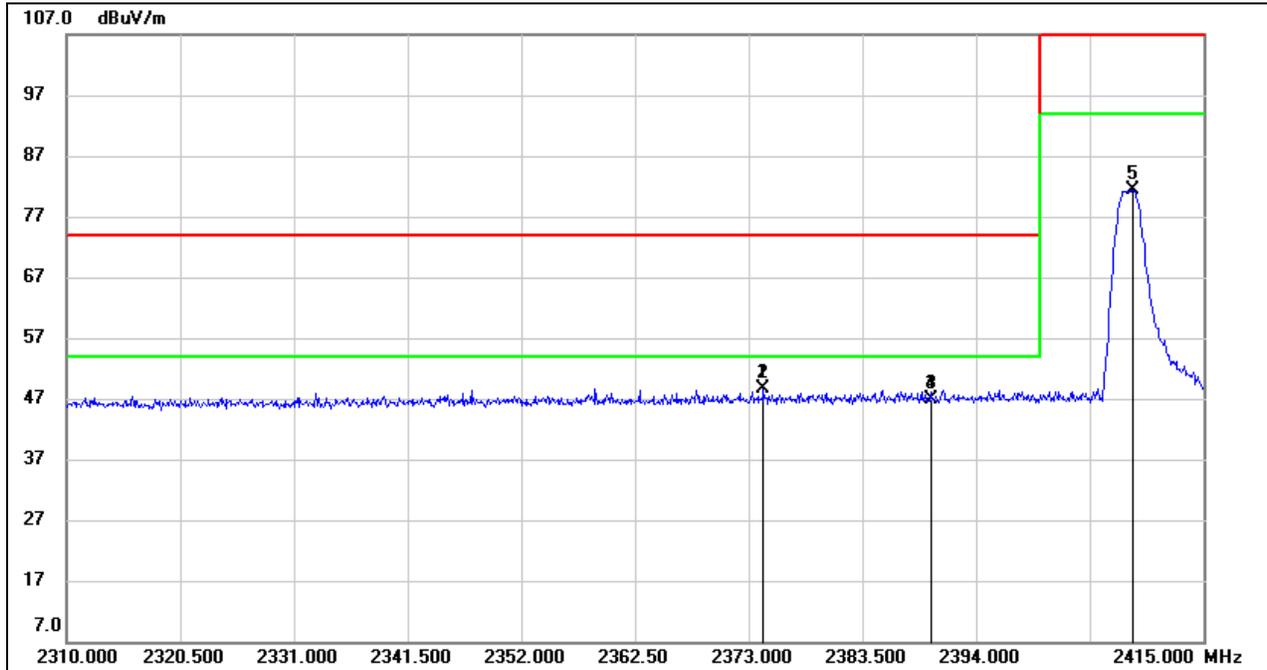
Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

**TEST ENVIRONMENT**

Temperature	26.4°C	Relative Humidity	57.2 %
Atmosphere Pressure	101kPa	Test Voltage	DC 4.5 V

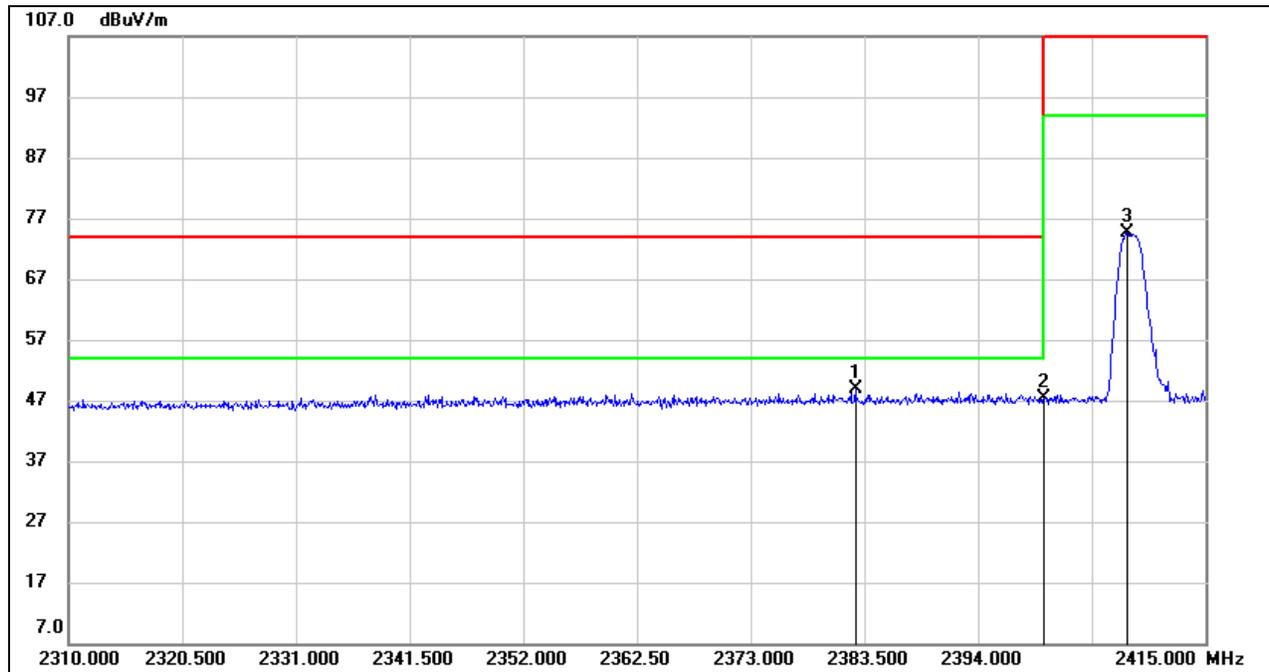
## 7.2. RESTRICTED BANDEGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS

### RESTRICTED BANDEGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2374.365	15.29	33.23	48.52	74.00	-25.48	peak
2	2374.365	15.29	33.23	48.52	74.00	-25.48	peak
3	2390.000	13.54	33.35	46.89	74.00	-27.11	peak
4	2390.000	13.54	33.35	46.89	74.00	-27.11	peak
5	2408.490	47.91	33.45	81.36	114.00	-32.64	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. AVG Result=Peak Result + Duty Correction Factor.
  5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
  6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

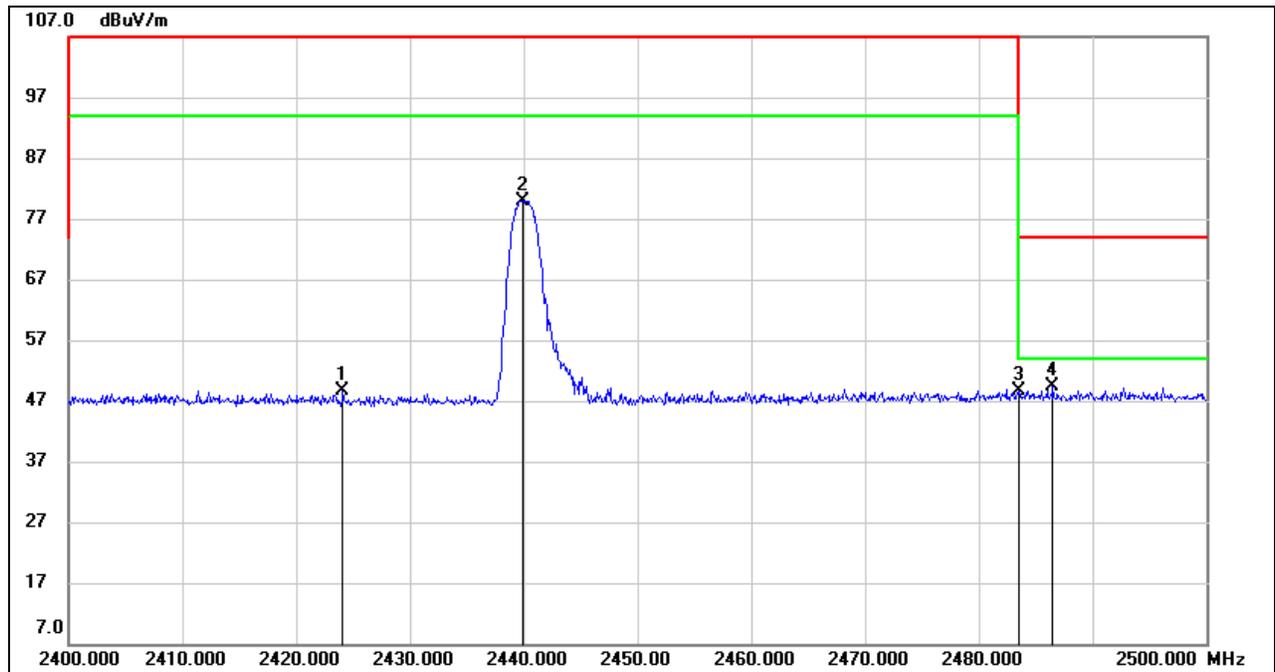
**RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL, VERTICAL)**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2382.660	15.59	33.30	48.89	74.00	-25.11	peak
2	2400.000	14.06	33.43	47.49	74.00	-26.51	peak
3	2407.755	41.18	33.45	74.63	114.00	-39.37	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. AVG Result=Peak Result + Duty Correction Factor.
  5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
  6. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



**FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, HORIZONTAL)**

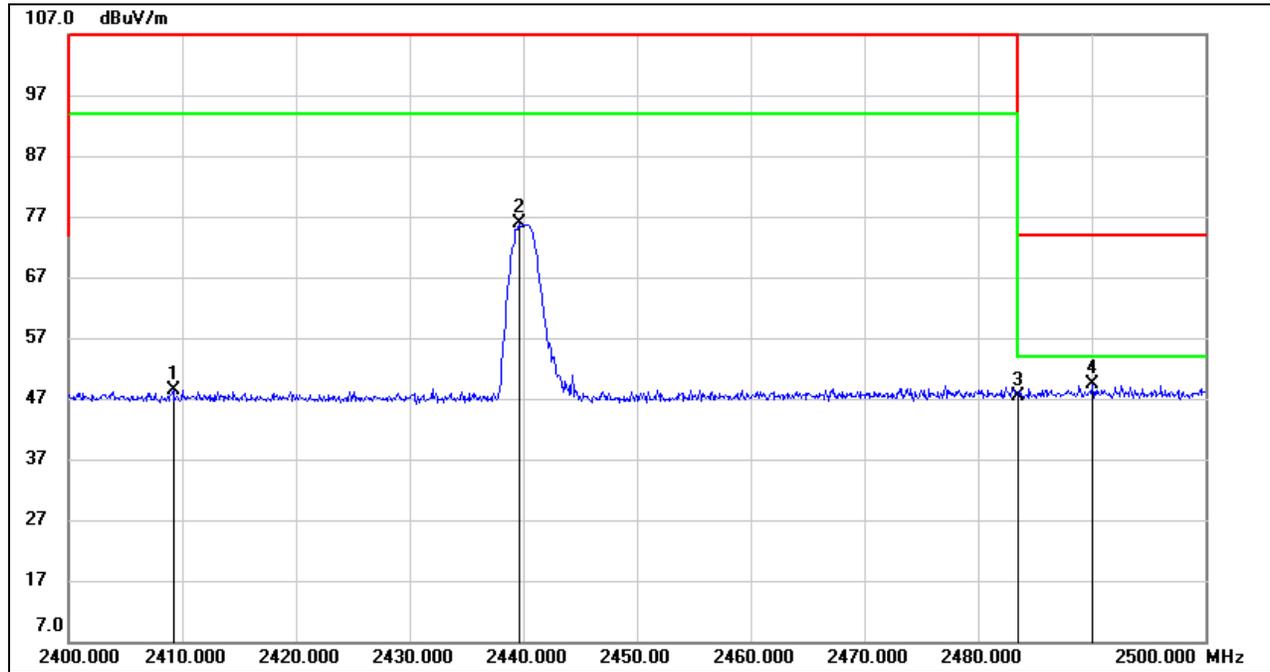


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2424.100	15.16	33.51	48.67	114.00	-65.33	peak
2	2439.900	46.42	33.56	79.98	114.00	-34.02	peak
3	2483.500	14.98	33.71	48.69	74.00	-25.31	peak
4	2486.500	15.61	33.72	49.33	74.00	-24.67	peak

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 emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



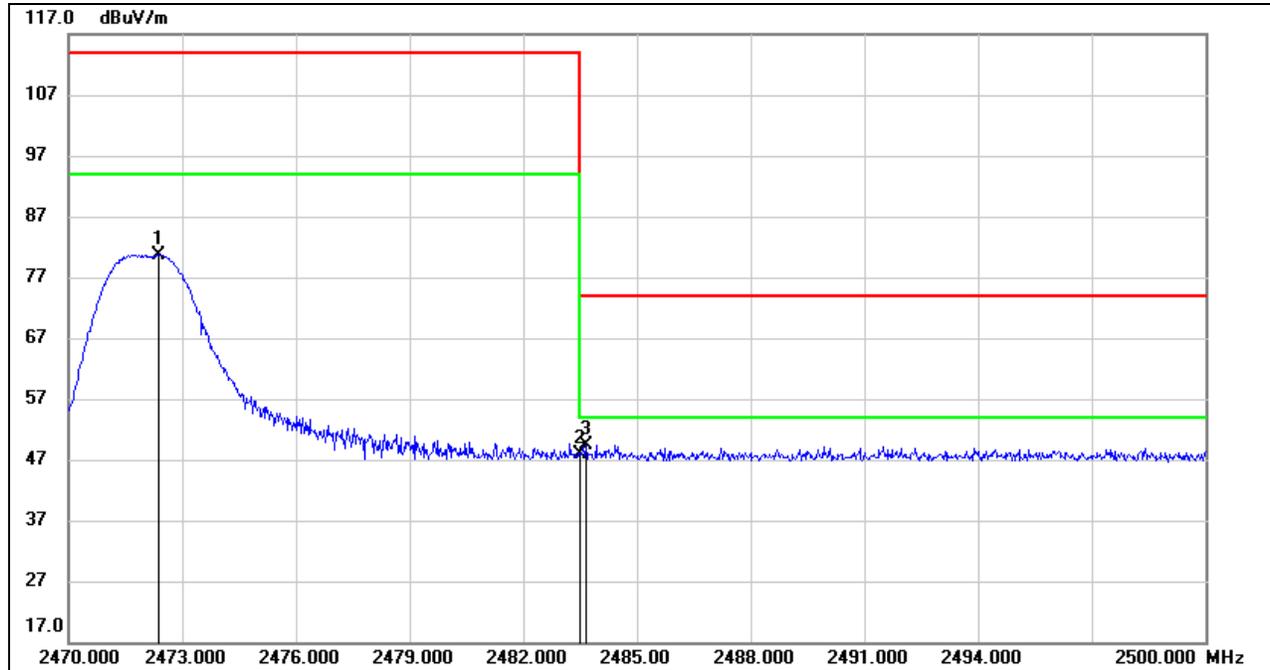
**FIELD STRENGTH OF INTENTIONAL EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2409.200	14.87	33.46	48.33	114.00	-65.67	peak
2	2439.600	42.42	33.56	75.98	114.00	-38.02	peak
3	2483.500	13.77	33.71	47.48	74.00	-26.52	peak
4	2490.100	15.56	33.73	49.29	74.00	-24.71	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 emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

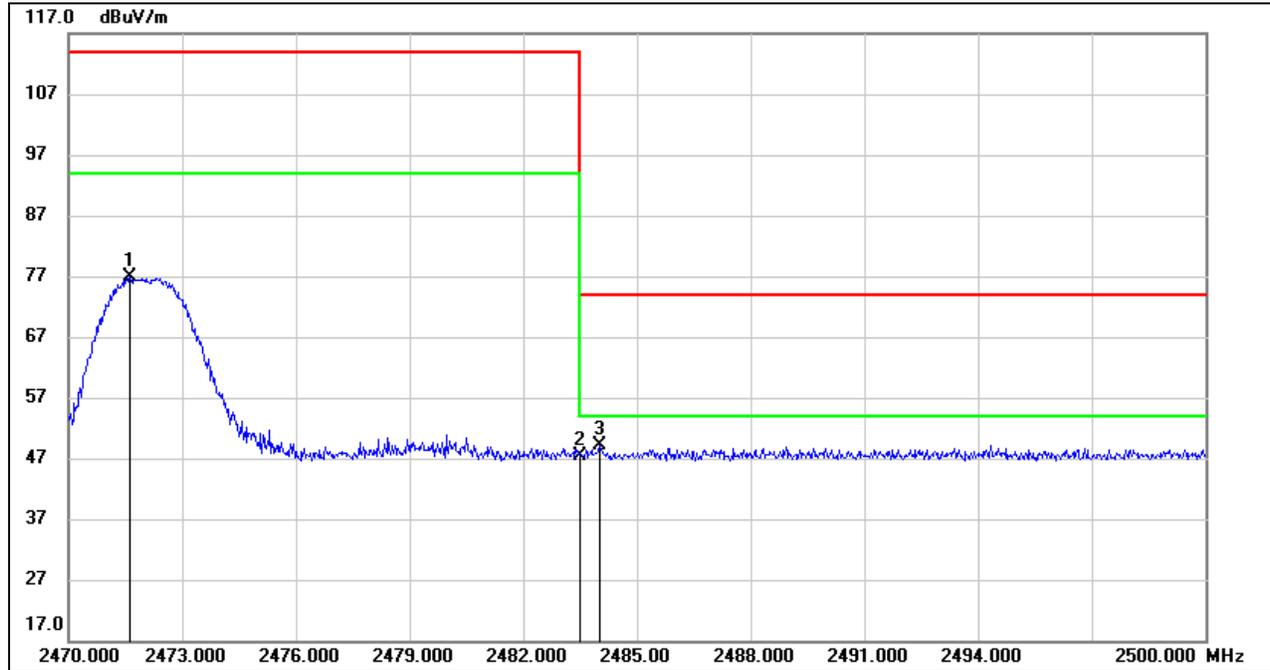
**RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2472.370	46.95	33.67	80.62	114.00	-33.38	peak
2	2483.500	14.15	33.71	47.86	74.00	-26.14	peak
3	2483.650	15.78	33.71	49.49	74.00	-24.51	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. Peak: Peak detector.  
 4. Only the worst emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

**RESTRICTED BANDEGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, VERTICAL)**

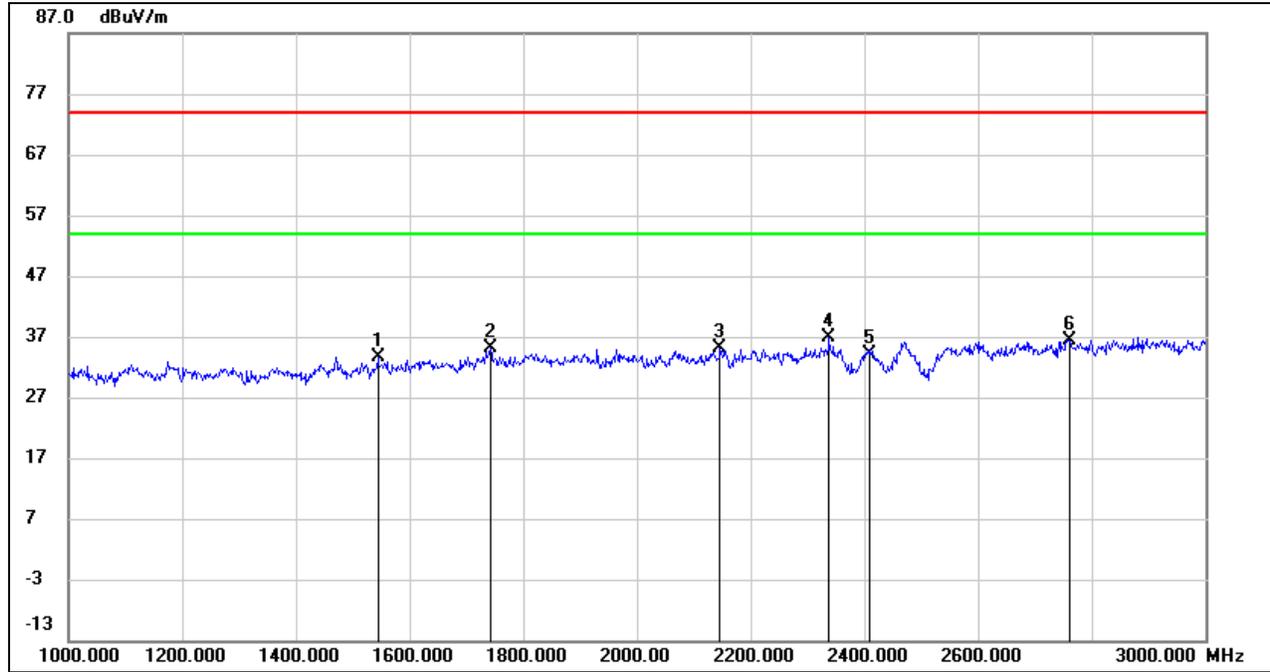


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2471.620	43.10	33.67	76.77	114.00	-37.23	peak
2	2483.500	13.72	33.71	47.43	74.00	-26.57	peak
3	2484.010	15.51	33.71	49.22	74.00	-24.78	peak

- 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 emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

### 7.3. SPURIOUS EMISSIONS (1~3GHz)

#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

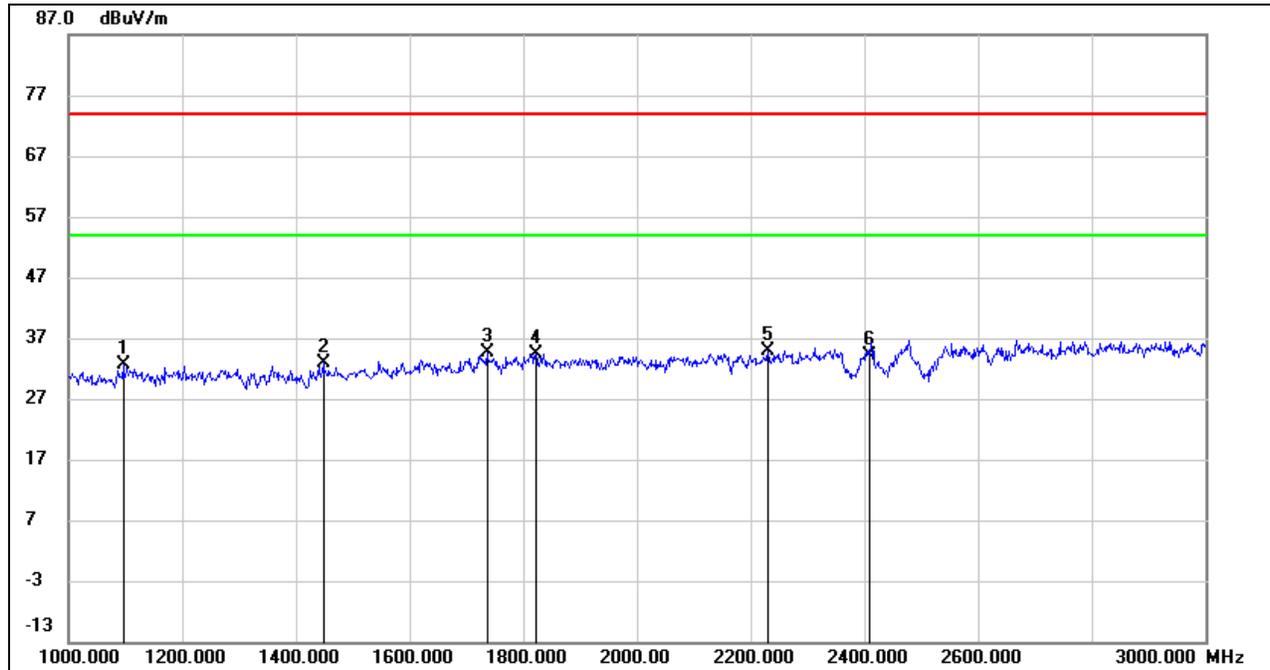


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1544.000	45.52	-11.93	33.59	74.00	-40.41	peak
2	1742.000	45.54	-10.49	35.05	74.00	-38.95	peak
3	2146.000	44.60	-9.36	35.24	74.00	-38.76	peak
4	2338.000	45.59	-8.60	36.99	74.00	-37.01	peak
5	2408.000	42.63	-8.39	34.24	74.00	-39.76	peak
6	2762.000	43.27	-6.81	36.46	74.00	-37.54	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 Band Reject Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain

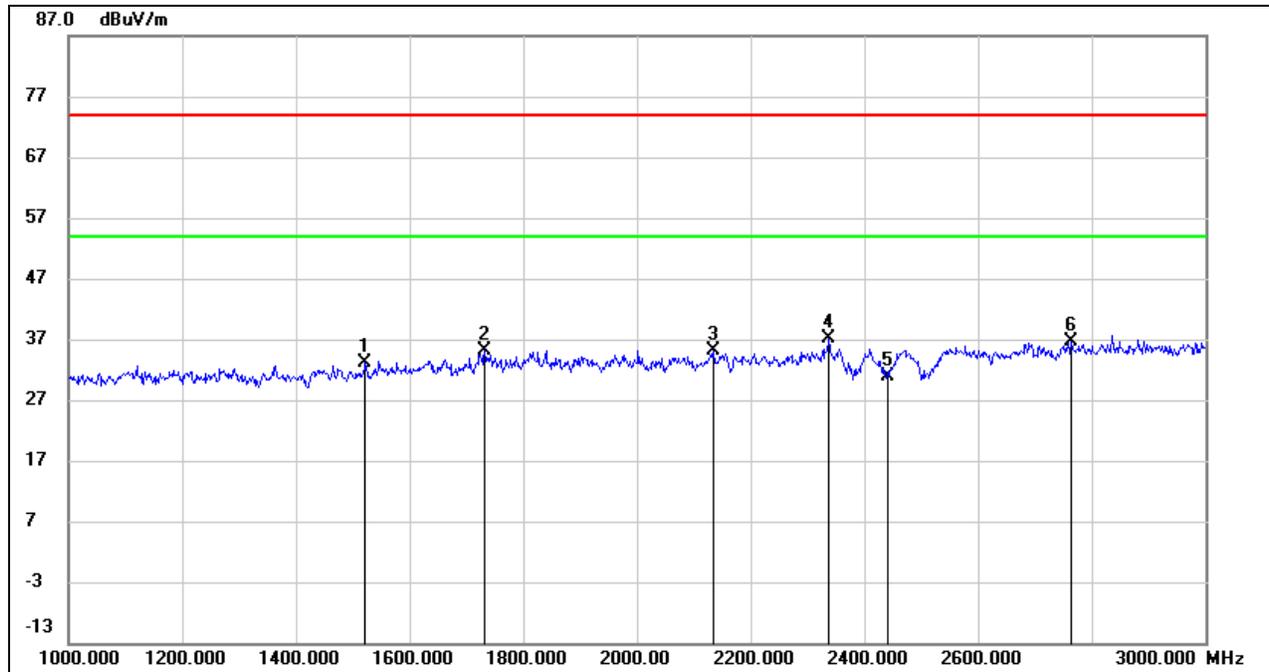


**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**



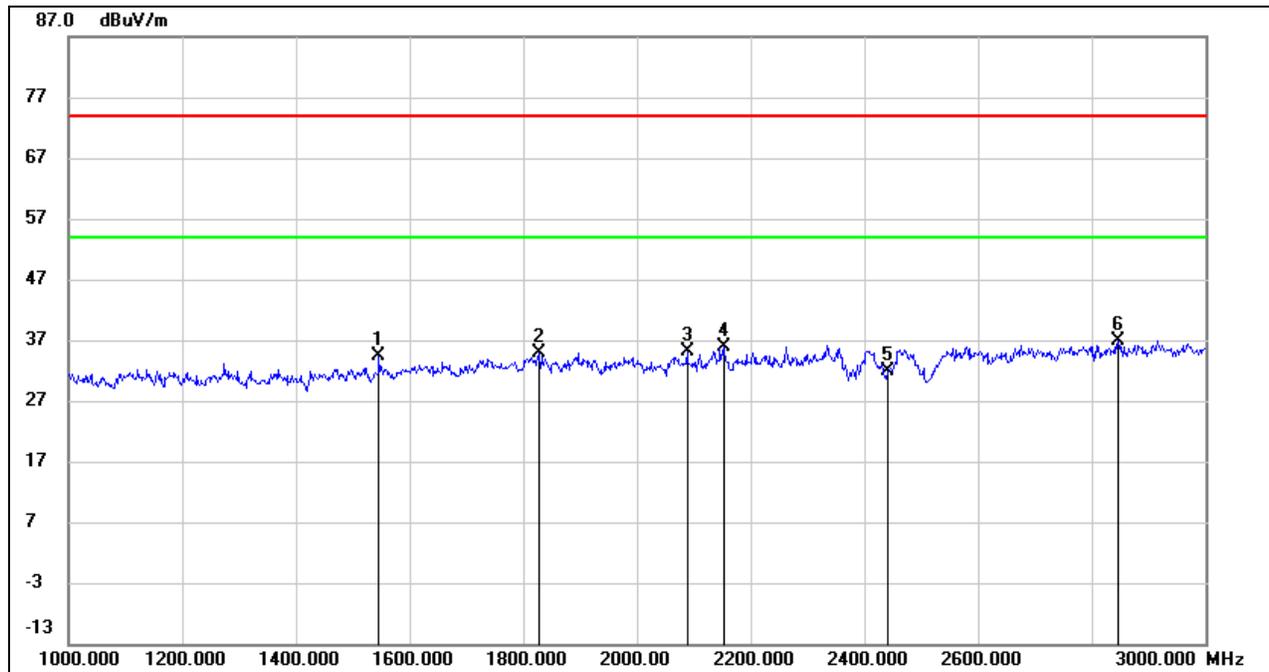
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1096.000	46.25	-13.51	32.74	74.00	-41.26	peak
2	1448.000	45.34	-12.47	32.87	74.00	-41.13	peak
3	1736.000	45.23	-10.52	34.71	74.00	-39.29	peak
4	1822.000	44.52	-10.06	34.46	74.00	-39.54	peak
5	2230.000	43.77	-8.96	34.81	74.00	-39.19	peak
6	2408.000	42.50	-8.39	34.11	74.00	-39.89	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 Band Reject 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	1522.000	45.19	-12.09	33.10	74.00	-40.90	peak
2	1732.000	45.63	-10.56	35.07	74.00	-38.93	peak
3	2134.000	44.64	-9.42	35.22	74.00	-38.78	peak
4	2338.000	45.66	-8.60	37.06	74.00	-36.94	peak
5	2440.000	39.33	-8.33	31.00	74.00	-43.00	peak
6	2764.000	43.32	-6.79	36.53	74.00	-37.47	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 Band Reject 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	1546.000	46.33	-11.92	34.41	74.00	-39.59	peak
2	1828.000	45.02	-10.06	34.96	74.00	-39.04	peak
3	2088.000	44.85	-9.69	35.16	74.00	-38.84	peak
4	2152.000	45.20	-9.32	35.88	74.00	-38.12	peak
5	2440.000	40.20	-8.33	31.87	74.00	-42.13	peak
6	2846.000	43.16	-6.33	36.83	74.00	-37.17	peak

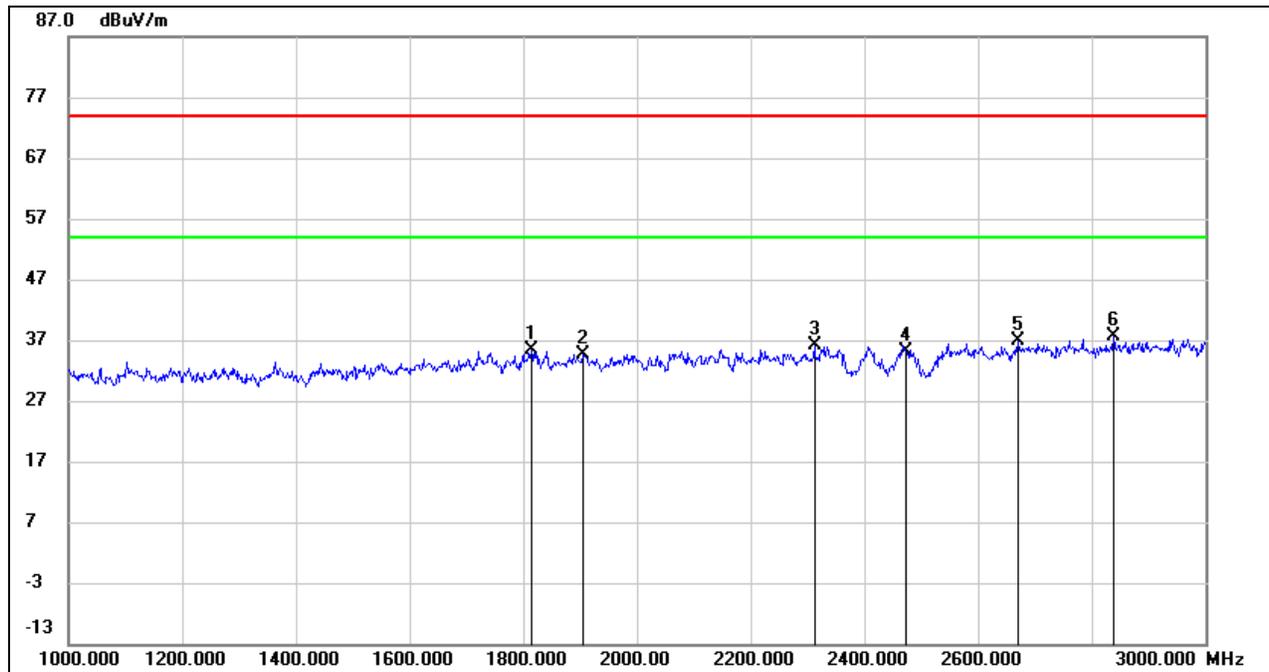
Note: 1. Peak Result = Reading Level + Correct Factor.

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 Band Reject 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	1814.000	45.55	-10.06	35.49	74.00	-38.51	peak
2	1906.000	44.82	-10.13	34.69	74.00	-39.31	peak
3	2312.000	44.84	-8.68	36.16	74.00	-37.84	peak
4	2472.000	43.42	-8.27	35.15	74.00	-38.85	peak
5	2670.000	44.18	-7.41	36.77	74.00	-37.23	peak
6	2838.000	44.08	-6.37	37.71	74.00	-36.29	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.

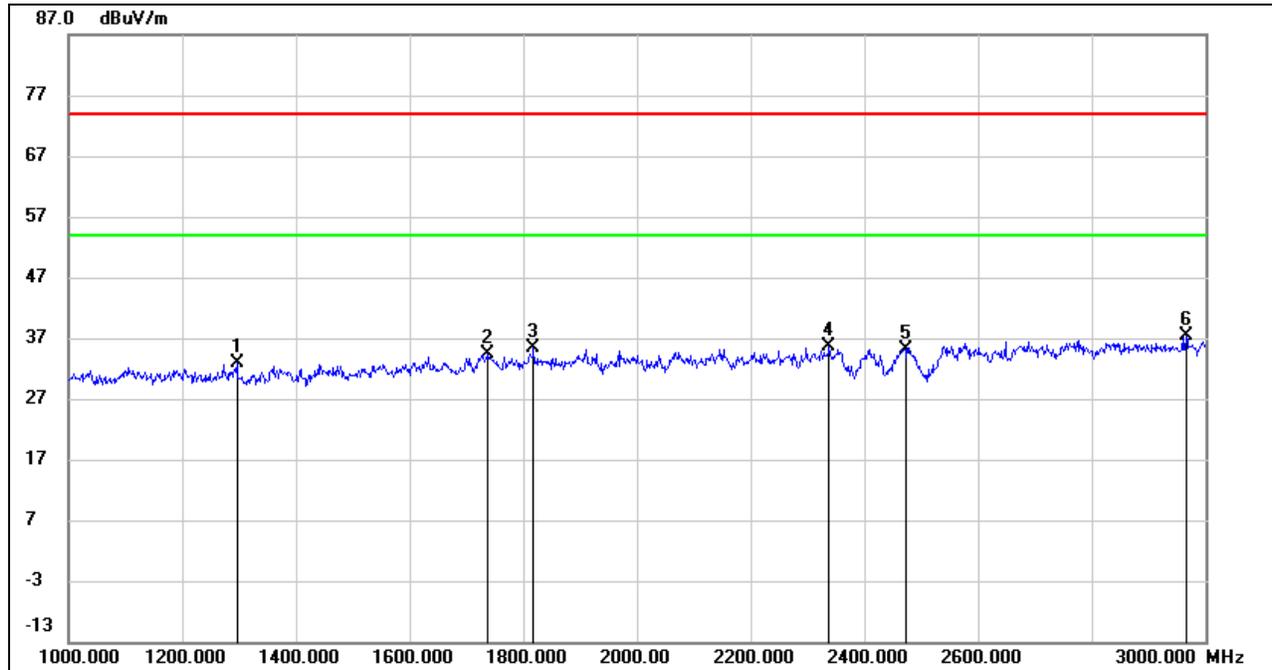
3. Peak: Peak detector.

4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.

5. Proper operation of the transmitter prior to adding the filter to the measurement chain



**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**

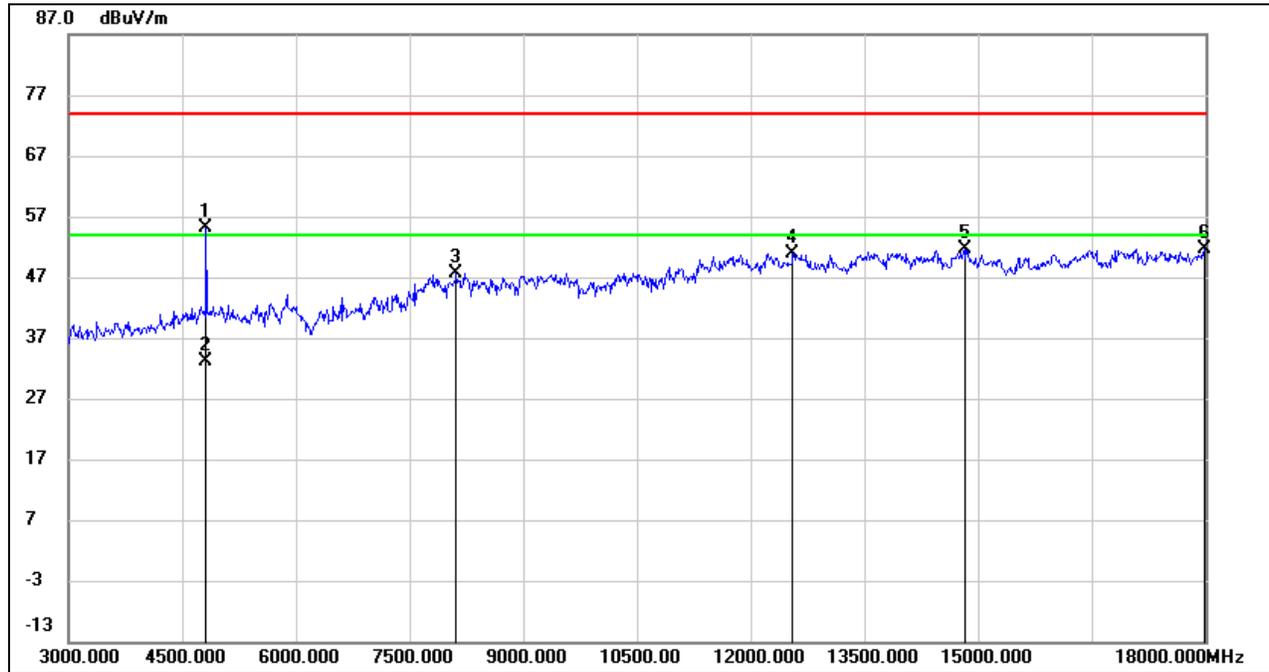


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1296.000	45.76	-12.85	32.91	74.00	-41.09	peak
2	1738.000	44.80	-10.51	34.29	74.00	-39.71	peak
3	1818.000	45.53	-10.06	35.47	74.00	-38.53	peak
4	2338.000	44.32	-8.60	35.72	74.00	-38.28	peak
5	2472.000	43.35	-8.27	35.08	74.00	-38.92	peak
6	2966.000	43.06	-5.75	37.31	74.00	-36.69	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 Band Reject Filter losses.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain

## 7.4. SPURIOUS EMISSIONS (3~18GHz)

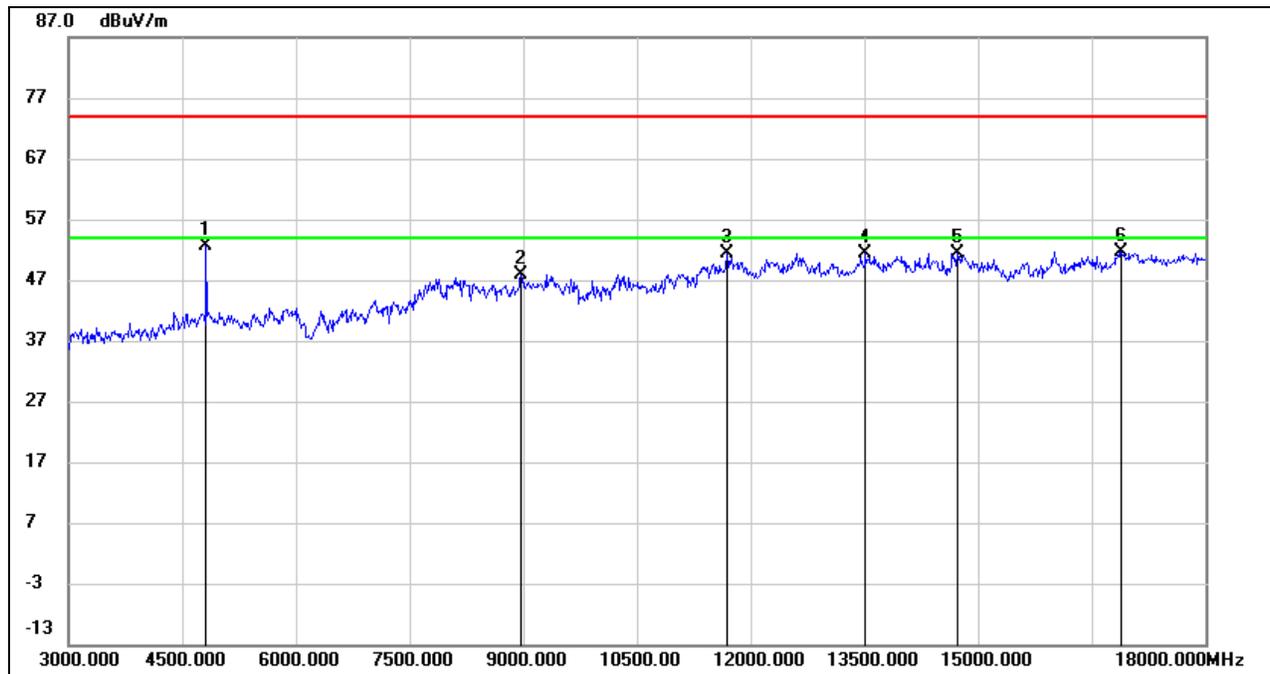
### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.000	53.76	1.38	55.14	74.00	-18.86	peak
2	4815.000	31.77	1.38	33.15	54.00	-20.85	AVG
3	8115.000	37.42	10.13	47.55	74.00	-26.45	peak
4	12555.000	35.16	15.73	50.89	74.00	-23.11	peak
5	14820.000	33.67	17.91	51.58	74.00	-22.42	peak
6	17985.000	27.53	24.21	51.74	74.00	-22.26	peak

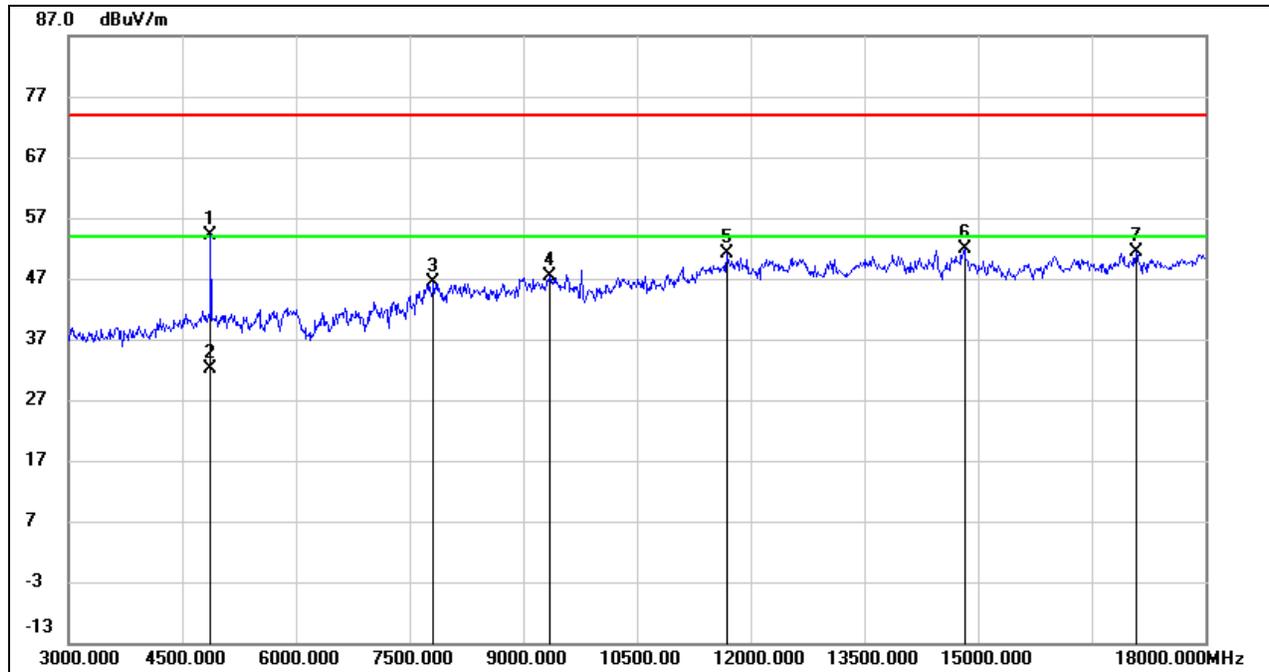
- Note:
1. Measurement = Reading Level + Correct Factor.
  2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
  3. Peak: Peak detector.
  4. AVG Result=Peak Result + Duty Cycle Correction Factor.
  5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
  6. The High Pass filter loss factor already add into the correct factor.
  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	4815.000	51.23	1.38	52.61	74.00	-21.39	peak
2	8970.000	37.17	10.70	47.87	74.00	-26.13	peak
3	11685.000	36.15	15.26	51.41	74.00	-22.59	peak
4	13515.000	34.19	17.19	51.38	74.00	-22.62	peak
5	14730.000	33.67	17.79	51.46	74.00	-22.54	peak
6	16890.000	30.13	21.49	51.62	74.00	-22.38	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. The High Pass filter loss factor already add into the correct factor.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

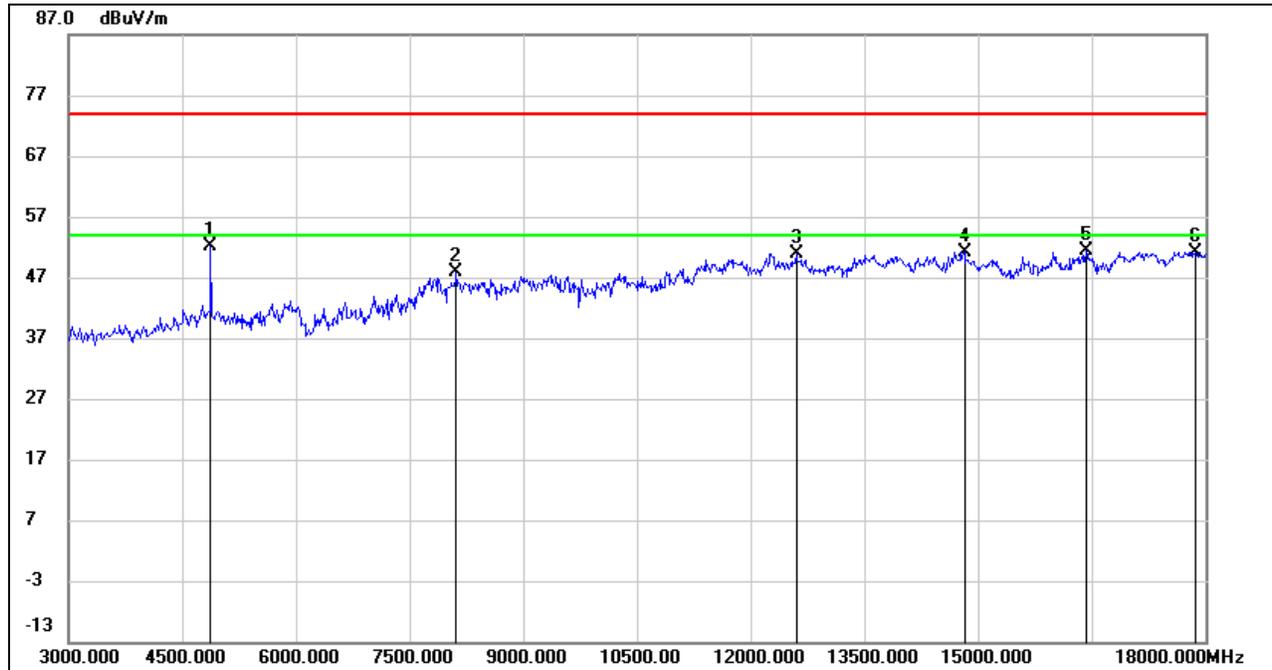
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	52.82	1.32	54.14	74.00	-19.86	peak
2	4875.000	30.83	1.32	32.15	54.00	-21.85	AVG
3	7815.000	37.19	9.28	46.47	74.00	-27.53	peak
4	9345.000	36.77	10.66	47.43	74.00	-26.57	peak
5	11685.000	35.84	15.26	51.10	74.00	-22.90	peak
6	14820.000	33.88	17.91	51.79	74.00	-22.21	peak
7	17085.000	29.56	21.80	51.36	74.00	-22.64	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. AVG Result=Peak Result + Duty Cycle Correction Factor.  
 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.  
 6. The High Pass filter loss factor already add into the correct factor.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

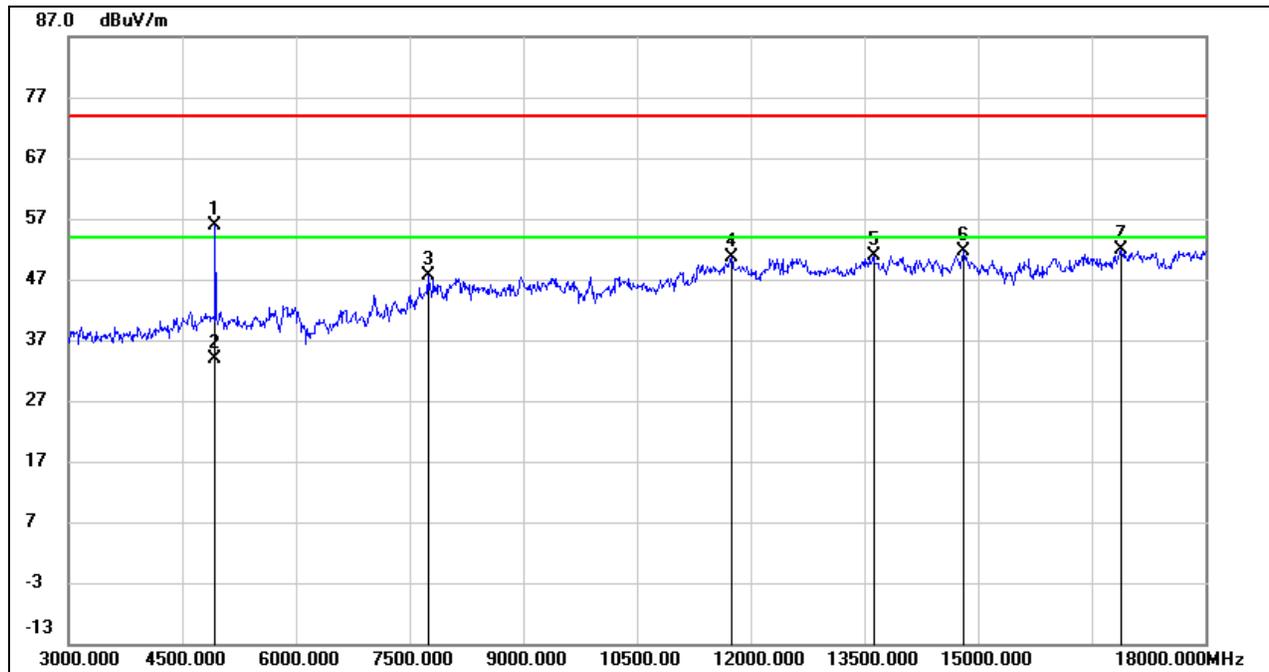


**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



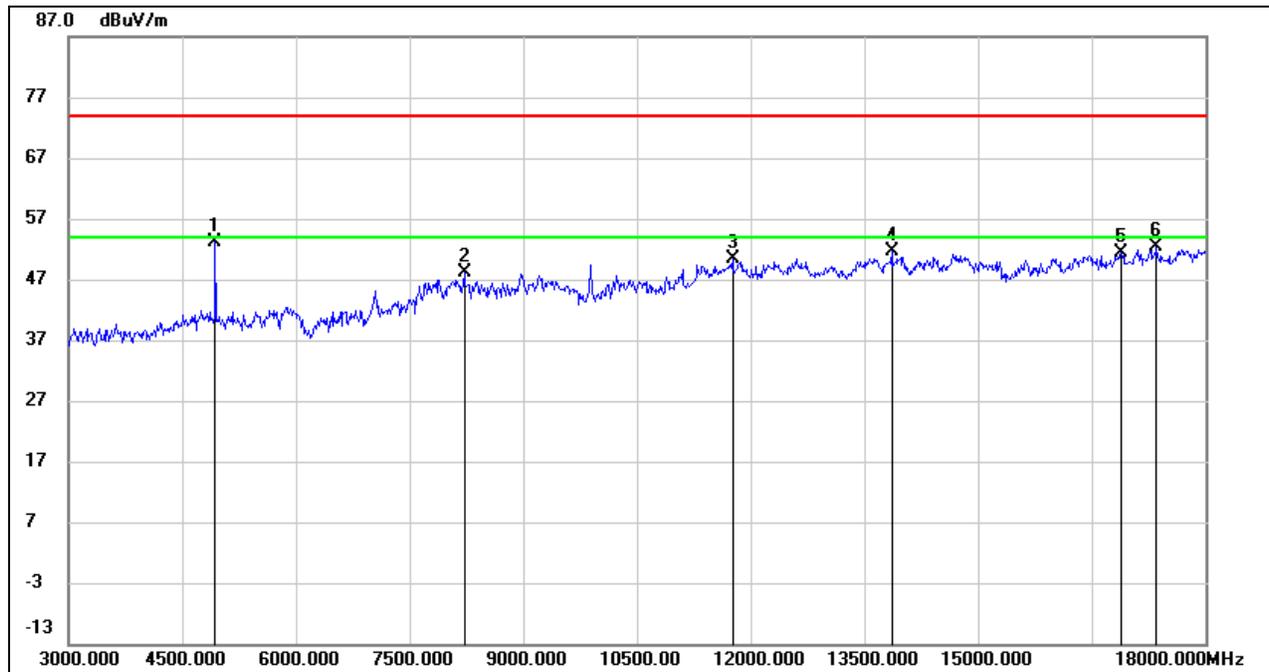
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4875.000	50.87	1.32	52.19	74.00	-21.81	peak
2	8115.000	37.85	10.13	47.98	74.00	-26.02	peak
3	12600.000	35.22	15.78	51.00	74.00	-23.00	peak
4	14820.000	33.32	17.91	51.23	74.00	-22.77	peak
5	16425.000	31.63	19.68	51.31	74.00	-22.69	peak
6	17865.000	27.22	23.95	51.17	74.00	-22.83	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. The High Pass filter loss factor already add into the correct factor.  
 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	4935.000	54.27	1.59	55.86	74.00	-18.14	peak
2	4935.000	32.28	1.59	33.87	54.00	-20.13	AVG
3	7740.000	38.78	8.81	47.59	74.00	-26.41	peak
4	11745.000	35.38	15.30	50.68	74.00	-23.32	peak
5	13620.000	33.68	17.19	50.87	74.00	-23.13	peak
6	14805.000	33.71	18.00	51.71	74.00	-22.29	peak
7	16890.000	30.27	21.49	51.76	74.00	-22.24	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. AVG Result=Peak Result + Duty Cycle Correction Factor.  
 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.  
 6. The High Pass filter loss factor already add into the correct factor.  
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

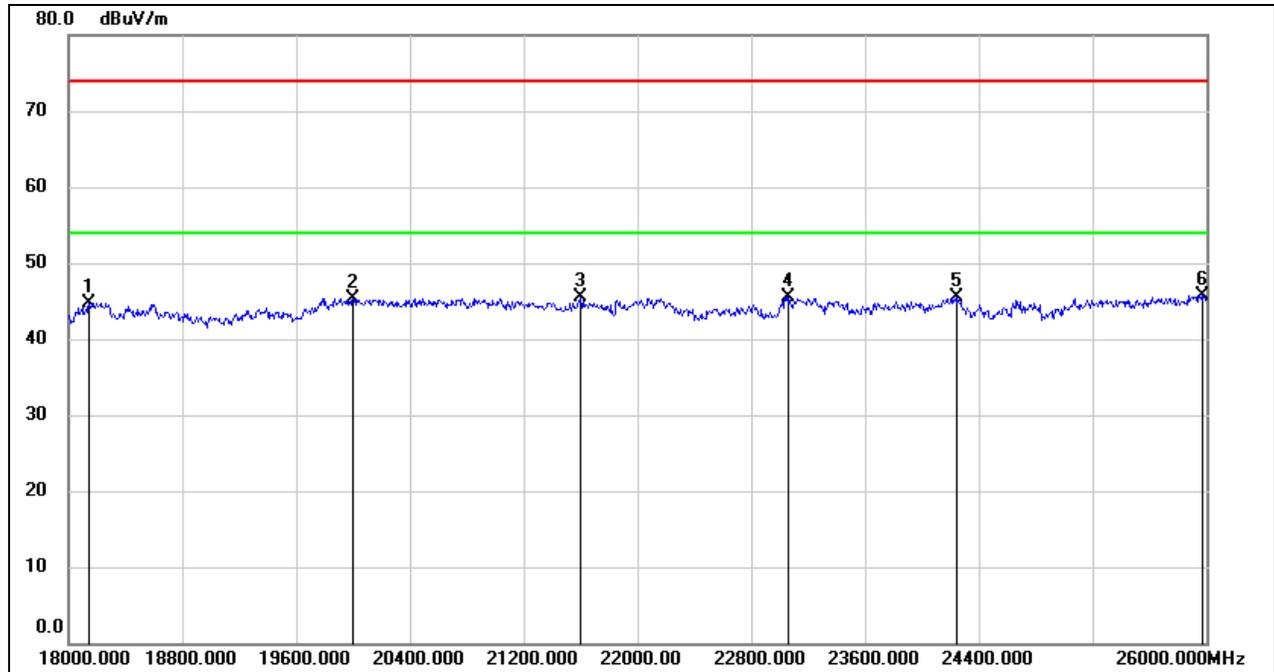
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)**


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4935.000	51.60	1.59	53.19	74.00	-20.81	peak
2	8220.000	38.22	9.79	48.01	74.00	-25.99	peak
3	11760.000	35.10	15.29	50.39	74.00	-23.61	peak
4	13860.000	34.16	17.55	51.71	74.00	-22.29	peak
5	16890.000	29.99	21.49	51.48	74.00	-22.52	peak
6	17355.000	30.08	22.20	52.28	74.00	-21.72	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. The High Pass filter loss factor already add into the correct factor.  
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

## 7.5. SPURIOUS EMISSIONS (18~26GHz)

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

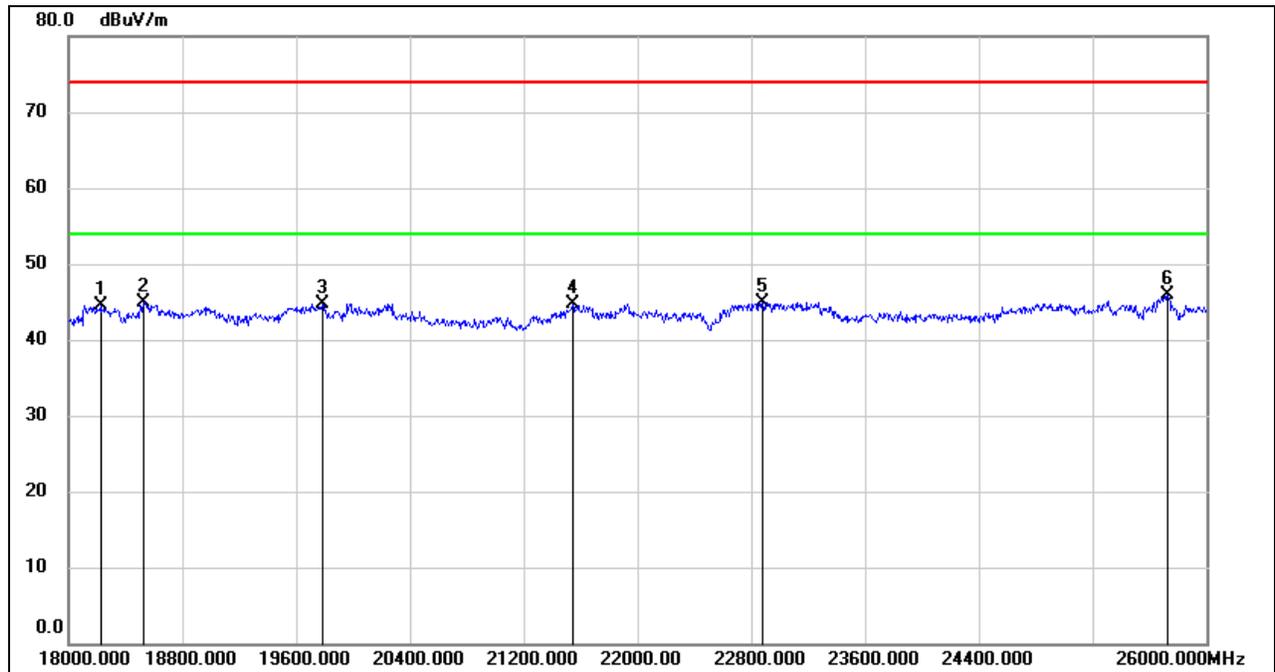


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18144.000	50.27	-5.48	44.79	74.00	-29.21	peak
2	20000.000	50.81	-5.45	45.36	74.00	-28.64	peak
3	21600.000	50.02	-4.54	45.48	74.00	-28.52	peak
4	23064.000	48.99	-3.42	45.57	74.00	-28.43	peak
5	24248.000	48.32	-2.83	45.49	74.00	-28.51	peak
6	25968.000	46.63	-1.00	45.63	74.00	-28.37	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, WORST-CASE CONFIGURATION, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18224.000	50.08	-5.53	44.55	74.00	-29.45	peak
2	18528.000	50.11	-5.26	44.85	74.00	-29.15	peak
3	19784.000	50.07	-5.28	44.79	74.00	-29.21	peak
4	21544.000	49.26	-4.63	44.63	74.00	-29.37	peak
5	22880.000	48.44	-3.56	44.88	74.00	-29.12	peak
6	25728.000	46.61	-0.72	45.89	74.00	-28.11	peak

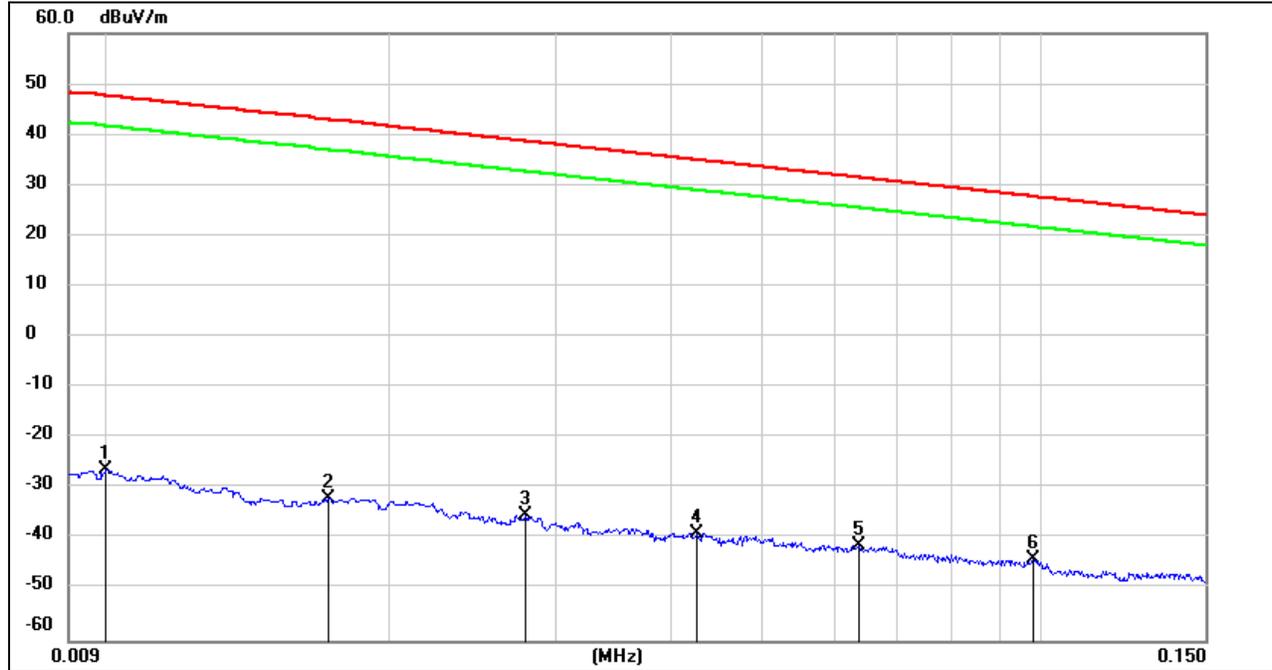
Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.

Note: All test modes had been tested, only the worst data record in the report.

## 7.6. SPURIOUS EMISSIONS BELOW 30MHz

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

9kHz~ 150kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.0100	75.22	-101.40	-26.18	47.6	-77.68	-3.90	-73.78	peak
2	0.0171	69.38	-101.36	-31.98	42.94	-83.48	-8.56	-74.92	peak
3	0.0279	66.17	-101.38	-35.21	38.69	-86.71	-12.81	-73.90	peak
4	0.0427	62.64	-101.45	-38.81	34.99	-90.31	-16.51	-73.80	peak
5	0.0636	60.31	-101.54	-41.23	31.53	-92.73	-19.97	-72.76	peak
6	0.0981	57.77	-101.78	-44.01	27.77	-95.51	-23.73	-71.78	peak

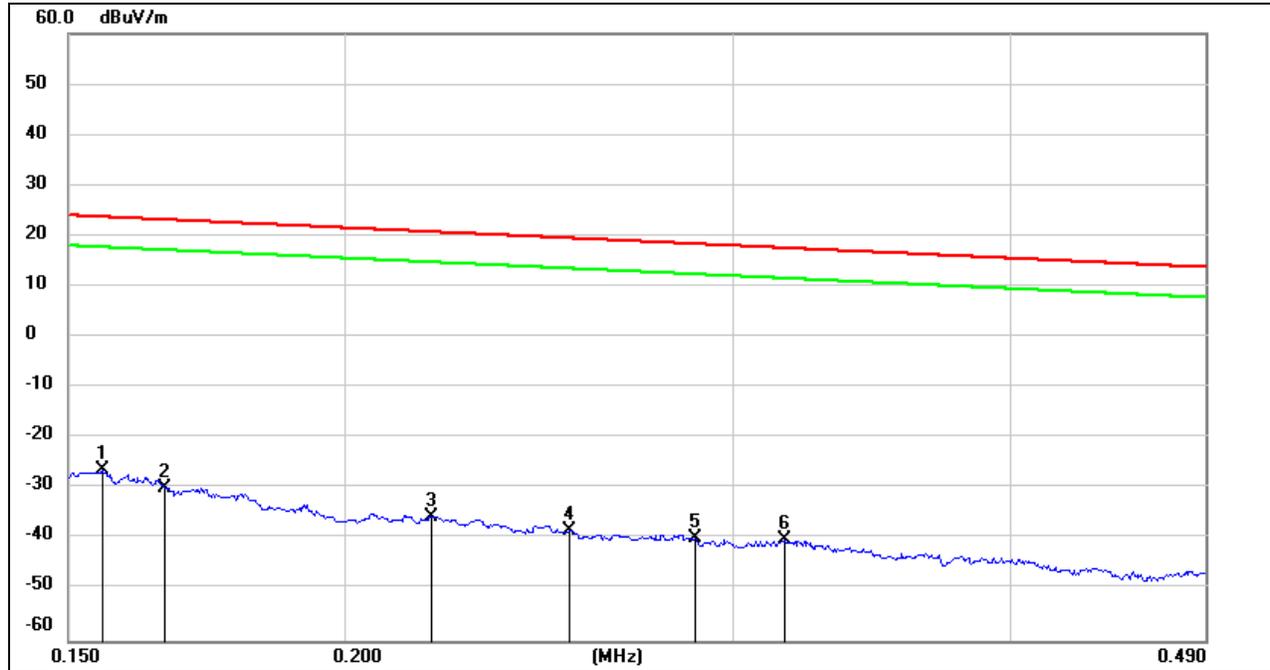
Note: 1. Measurement = Reading Level + Correct Factor.

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.

4.  $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}(120\pi) = \text{dBuV/m} - 51.5$ .

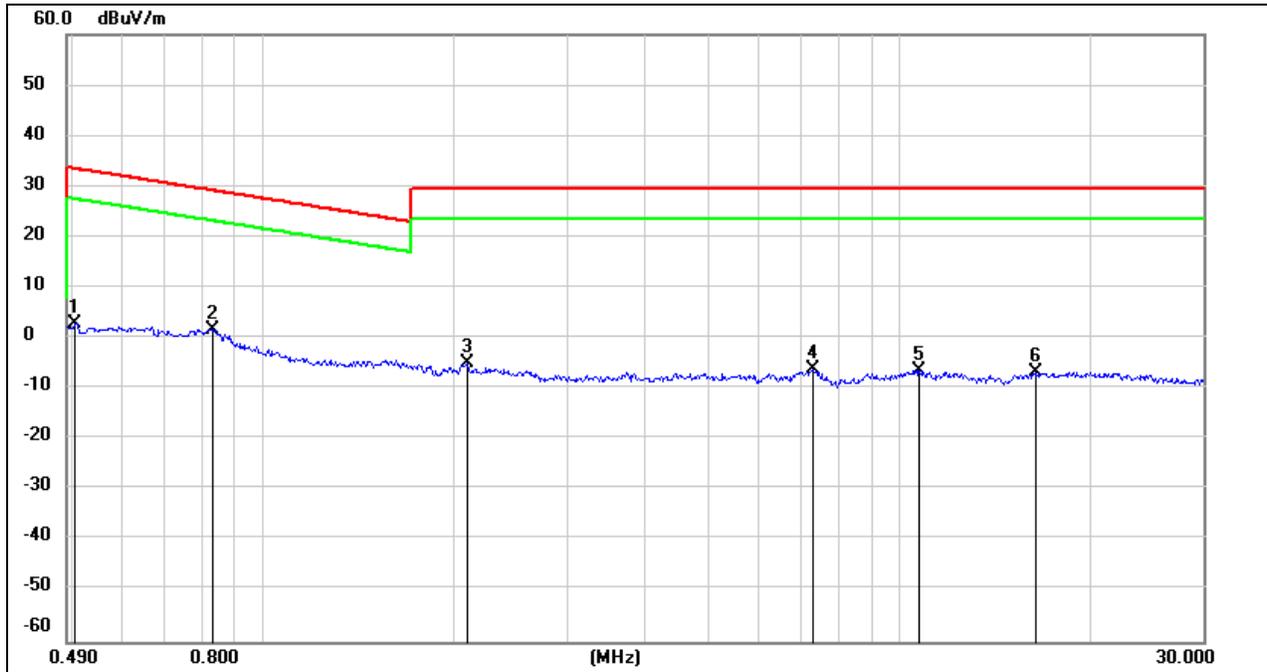
**150kHz ~ 490kHz**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.1554	75.27	-101.65	-26.38	23.77	-77.88	-27.73	-50.15	peak
2	0.1660	71.81	-101.66	-29.85	23.2	-81.35	-28.30	-53.05	peak
3	0.2190	66.27	-101.75	-35.48	20.79	-86.98	-30.71	-56.27	peak
4	0.2530	63.64	-101.80	-38.16	19.54	-89.66	-31.96	-57.70	peak
5	0.2878	62.22	-101.85	-39.63	18.42	-91.13	-33.08	-58.05	peak
6	0.3163	61.70	-101.87	-40.17	17.6	-91.67	-33.90	-57.77	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.  
 4.  $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}(120\pi) = \text{dBuV/m} - 51.5$ .

**490kHz ~ 30MHz**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.5040	64.94	-62.07	2.87	33.56	-48.63	-17.94	-30.69	peak
2	0.8296	63.94	-62.17	1.77	29.23	-49.73	-22.27	-27.46	peak
3	2.0939	56.89	-61.79	-4.9	29.54	-56.40	-21.96	-34.44	peak
4	7.3361	55.08	-61.17	-6.09	29.54	-57.59	-21.96	-35.63	peak
5	10.7300	54.48	-60.83	-6.35	29.54	-57.85	-21.96	-35.89	peak
6	16.3959	54.17	-60.96	-6.79	29.54	-58.29	-21.96	-36.33	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.

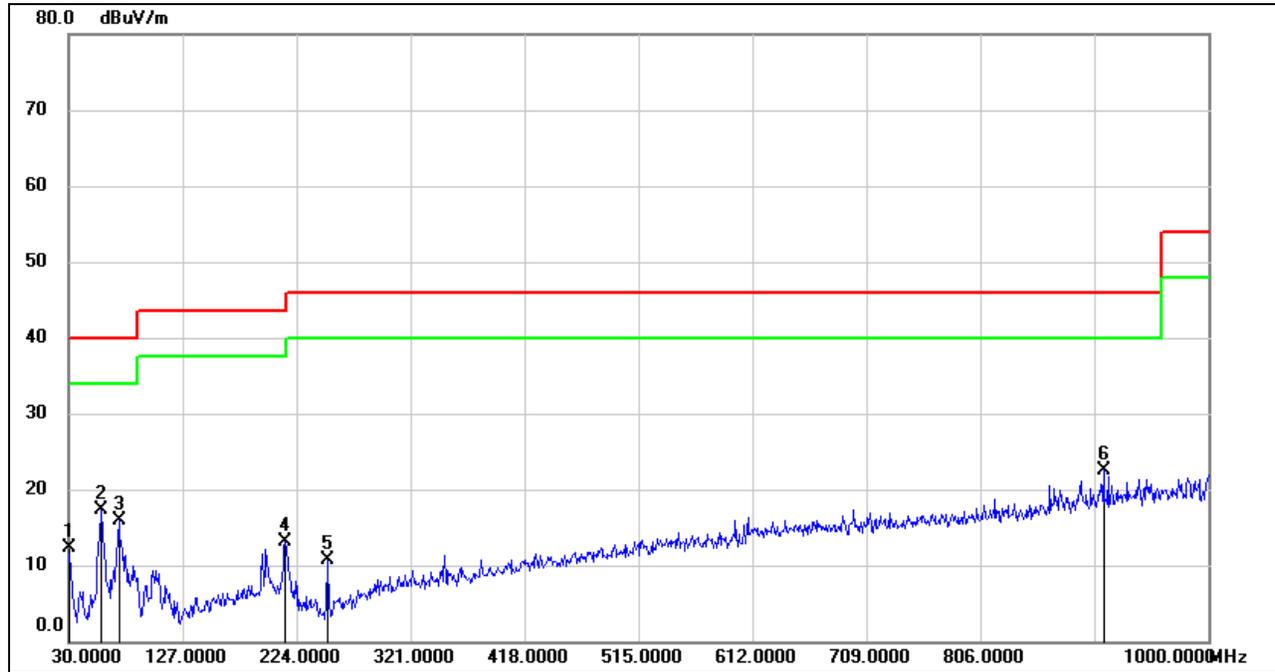
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4.  $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}(120\pi) = \text{dBuV/m} - 51.5$ .

Note: All test modes had been tested, only the worst data record in the report.

## 7.7. SPURIOUS EMISSIONS BELOW 1GHz AND ABOVE 30MHz

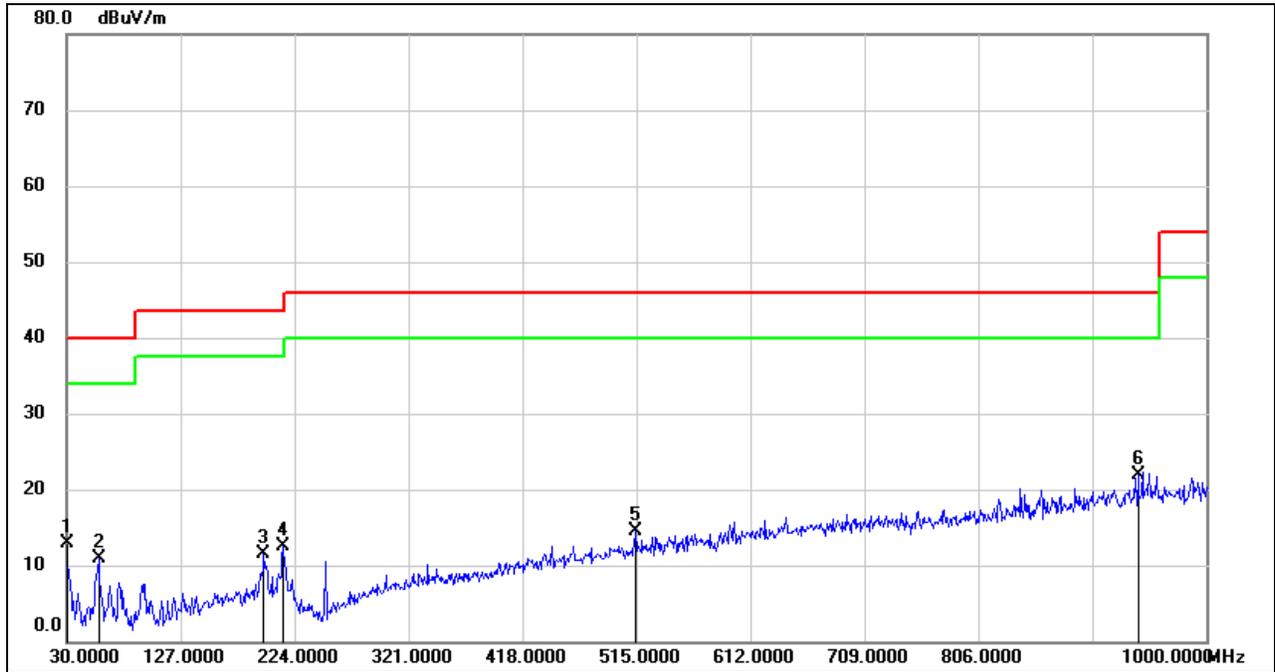
### SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	31.16	-18.94	12.22	40.00	-27.78	QP
2	58.1300	37.84	-20.55	17.29	40.00	-22.71	QP
3	72.6800	36.66	-20.76	15.90	40.00	-24.10	QP
4	214.3000	30.80	-17.66	13.14	43.50	-30.36	QP
5	250.1900	29.60	-18.91	10.69	46.00	-35.31	QP
6	910.7600	27.50	-4.97	22.53	46.00	-23.47	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 (HIGH CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	31.75	-18.94	12.81	40.00	-27.19	QP
2	57.1600	31.52	-20.58	10.94	40.00	-29.06	QP
3	197.8100	28.01	-16.41	11.60	43.50	-31.90	QP
4	214.3000	30.13	-17.66	12.47	43.50	-31.03	QP
5	514.0300	25.60	-11.18	14.42	46.00	-31.58	QP
6	941.8000	26.44	-4.47	21.97	46.00	-24.03	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 test modes had been tested, only the worst data record in the report.



## 8. 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

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**END OF REPORT**