

# FCC Radio Test Report

## FCC ID: QISSHT-W09

This report concerns (check one): Original Grant Class I Change Class II Change

**Project No.** : 1711C150  
**Equipment** : HUAWEI MediaPad M5  
**Model Name** : SHT-W09  
**Applicant** : Huawei Technologies Co., Ltd.  
**Address** : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

**Date of Receipt** : Nov. 20, 2017  
**Date of Test** : Nov. 20, 2017~ Jan. 15, 2018  
**Issued Date** : Jan. 15, 2018  
**Tested by** : BTL Inc.

**Testing Engineer** : Paul Li  
(Paul Li)

**Technical Manager** : David Mao  
(David Mao)

**Authorized Signatory** : Steven Lu  
(Steven Lu)

# **B T L I N C .**

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**Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

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**BTL's** laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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### REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1711C150	Original Issue.	Jan. 15, 2018

## 1. CERTIFICATION

Equipment : HUAWEI MediaPad M5  
Brand Name : HUAWEI  
Test Model : SHT-W09  
Series Model : N/A  
Applicant : Huawei Technologies Co., Ltd.  
Manufacturer : Huawei Technologies Co., Ltd.  
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
Factory : Huawei Technologies Co., Ltd.  
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
Date of Test : Nov. 20, 2017 ~ Jan. 15, 2018  
Test Sample : Engineering Sample  
Standard(s) : FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1711C150) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

**Test results included in this report is only for the Bluetooth EDR RSE part.**

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15, Subpart C (15.247)			
Standard(s) Section	Test Item	Judgment	Remark
15.247(d) 15.209	Radiated Spurious Emission	PASS	
15.205	Restricted Bands	PASS	

Note:

(1) "N/A" denotes test is not applicable in this test report

### 2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's test firm number for FCC: 854385

BTL's designation number for FCC: CN5020

### 2.2 MEASUREMENT UNCERTAINTY

The measurement uncertainty figures shall be calculated according the methods described in the ETSI TR 100 028 and shall correspond to an expansion factor (coverage factor)  $k=1.96$  or  $k=2$  (which provide confidence levels of respectively 90% and 95.45% in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)). Measurement Uncertainty for a Level of Confidence of 95 %,  $U=2xUc(y)$ .

The BTL measurement uncertainty as below table:

A. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9KHz~30MHz	V	3.79
		9KHz~30MHz	H	3.57
		30MHz ~ 200MHz	V	3.82
		30MHz ~ 200MHz	H	3.78
		200MHz ~ 1,000MHz	V	4.10
		200MHz ~ 1,000MHz	H	4.06
		1GHz~18GHz	V	3.12
		1GHz~18GHz	H	3.68
		18GHz~40GHz	V	4.15
		18GHz~40GHz	H	4.14

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	HUAWEI MediaPad M5	
Brand Name	HUAWEI	
Test Model	SHT-W09	
Series Model	N/A	
Model Difference	N/A	
Output Power (Max.)	Operation Frequency	2402~2480 MHz
	Modulation Technology	GFSK(1Mbps) π /4-DQPSK(2Mbps)
	Bit Rate of Transmitter	8-DPSK(3Mbps)
Power Source	#1 DC voltage supplied from AC/DC adapter. Brand: HUAWEI Model: HW-059200EHQ (EU), HW-059200BHQ (UK), HW-059200AHQ (AU), HW-059200UHQ (US)	
	#2 Battery supplied. Brand: HUAWEI Model: HB2899C0ECW	
Power Rating	#1 Input: 100V~240V~ 50/60 Hz,0.5A Output: 5V 2A or 9V 2A	
	#2 DC 3.82V 4980mAh	

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT contains following accessory devices.

Item	Mfr/Brand	Model.
Battery	SCUD(Fujian) Electronics Co., Ltd.	HB2899C0ECW
	Sunwoda Electronic Co., LTD	
USB TypeC to 3.5mm Cable	FOSTER ELECTRIC CO., (HONG KONG) LTD.	99055FBB
	Boluo County Quancheng Electronic Co.,Ltd.	99055FBA
	Merry Electronic Co., Ltd.	99055FAY
	Jiangxi Lian chuang Hong sheng Electronic Co., Ltd.	99055FAX
Earphone	Boluo County Quancheng Electronic Co.,Ltd.	1311-3292-3.5mm-229
	Jiangxi Lian chuang Hong sheng Electronic Co., Ltd.	MEMD1632B580C00
	Merry Electronic Co., Ltd.	EMC309-001
	GoerTek.	NA12
Adapter	Salcomp (Shenzhen) Co., Ltd.	HW-059200EHQ HW-059200BHQ
	HUIZHOU BYD ELECTRONIC CO.,LTD	HW-059200AHQ HW-059200UHQ

3. Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

4. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	-1.2



### 3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX Mode <b>Note (1)</b>

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Radiated Emission	
Final Test Mode	Description
Mode 1	TX Mode <b>Note (1)</b>

**Note:**

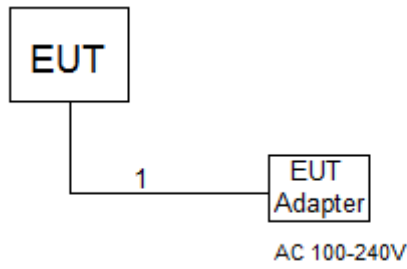
(1) The measurements are performed at the high, low available channels.

### 3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

Test Software Version	BluetoothRfTest_APK_7.0		
Frequency	2402 MHz	2441 MHz	2480 MHz
Parameters(1Mbps)	N/A	N/A	N/A
Parameters(3Mbps)	N/A	N/A	N/A

### 3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



### 3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.2m	DC Cable

## 4. EMC EMISSION TEST

### 4.1 RADIATED EMISSION MEASUREMENT

#### 4.1.1 RADIATED EMISSION LIMITS (Frequency Range 9KHz -1000MHz)

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

#### LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	(dBuV/m) (at 3 meters)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)  
 Margin Level = Measurement Value - Limit Value

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Spectrum Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz ~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz ~110KHz for QP detector
Start ~ Stop Frequency	110KHz ~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz ~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

#### 4.1.2 TEST PROCEDURE

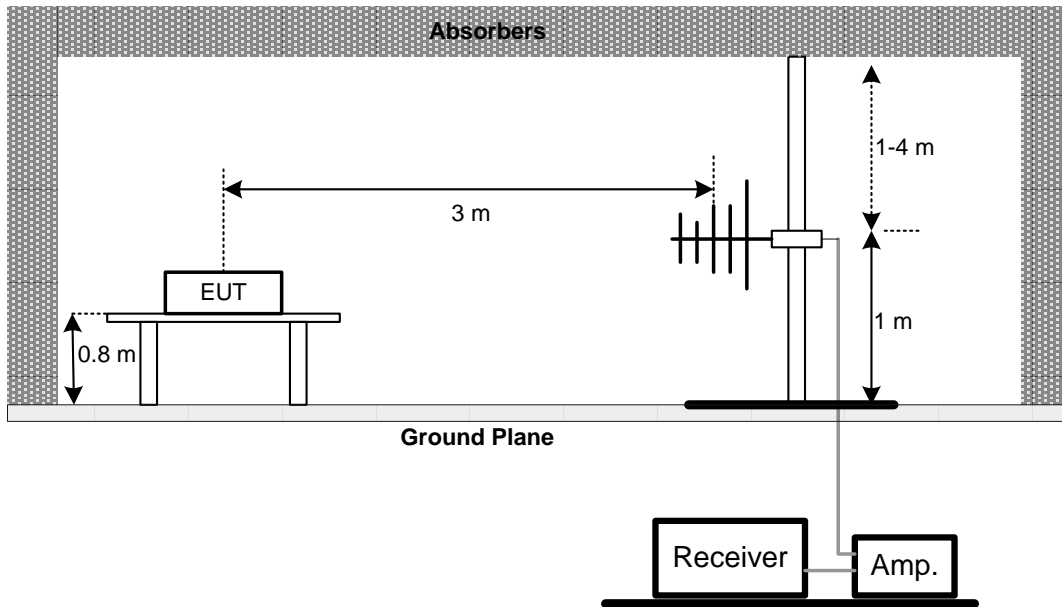
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 4.1.3 DEVIATION FROM TEST STANDARD

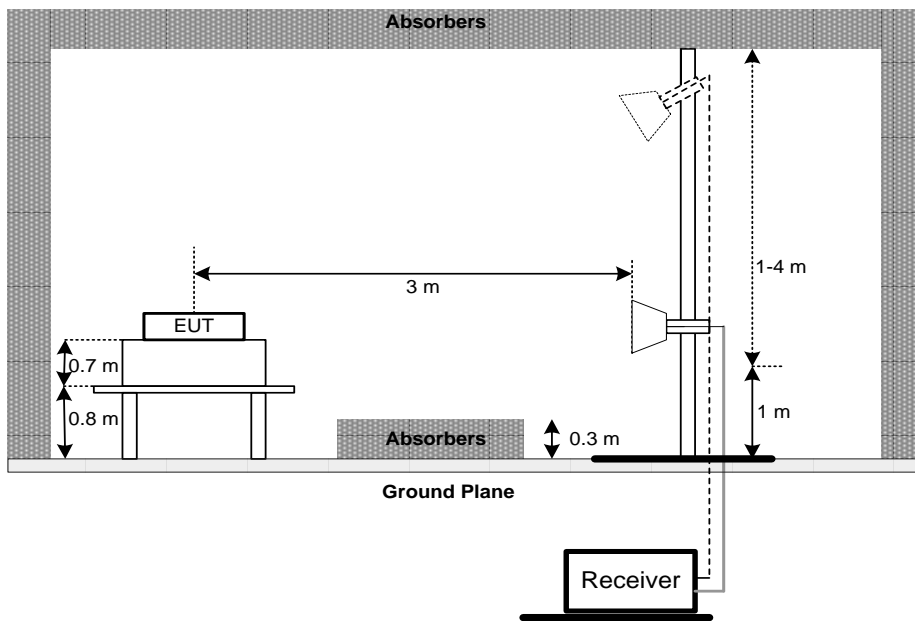
No deviation

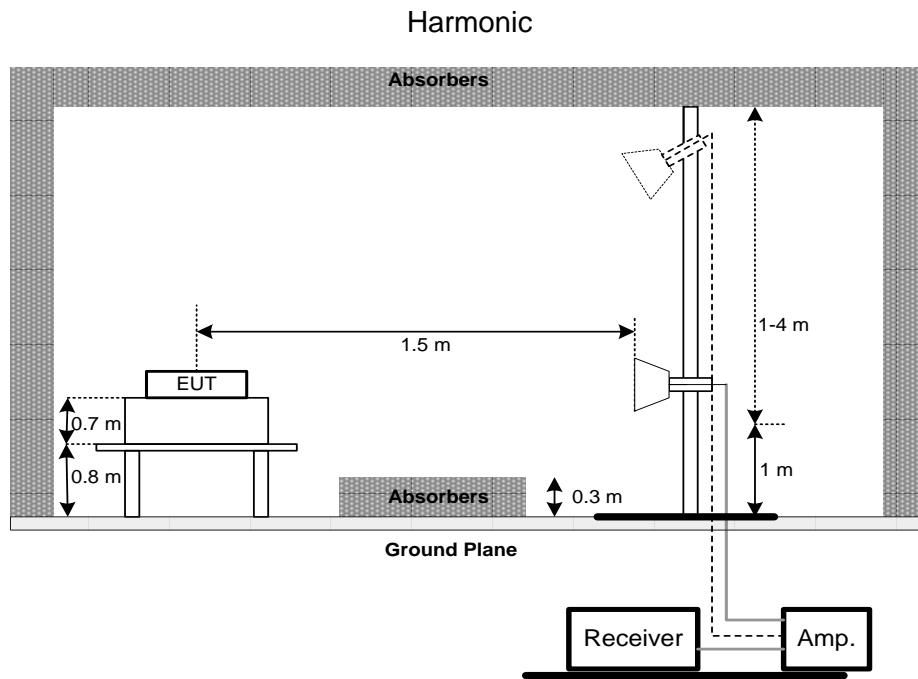
**4.1.4 TEST SETUP**

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz

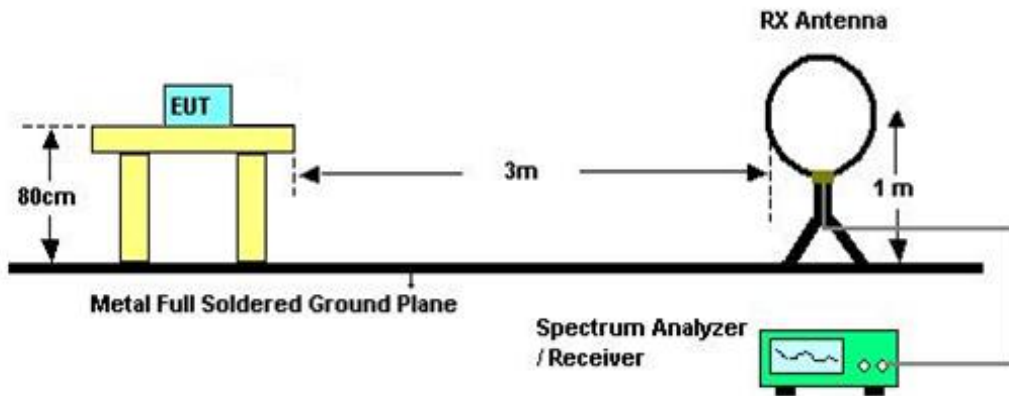


(B) Radiated Emission Test Set-Up Frequency Above 1 GHz  
Band edge





(C) For radiated emissions below 30MHz



**4.1.5 EUT OPERATING CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

**4.1.6 EUT TEST CONDITIONS**

Temperature: 25°C

Relative Humidity: 55%

Test Voltage: AC 120V/60Hz

#### **4.1.7 TEST RESULTS (9KHZ TO 30MHZ)**

Please refer to the Appendix A.

Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor =  $40 \log(\text{specific distance} / \text{test distance})$  (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

#### **4.1.8 TEST RESULTS (30MHZ TO 1000MHZ)**

Please refer to the Appendix B.

#### **4.1.9 TEST RESULTS (ABOVE 1000MHZ)**

Please refer to the Appendix C.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.  
For fundamental signal judgment was referred to Peak output test.

## 5. MEASUREMENT INSTRUMENTS LIST

Radiated Emission Measurement - Below 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Aug. 20, 2018
3	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
4	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	Jun. 26, 2018
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Antenna	EM	EM-6876-1	230	Mar. 06, 2018

Radiated Emission Measurement - Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 26, 2018
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 08, 2018
3	Amplifier	Agilent	8449B	3008A02274	May. 16, 2018
4	Microwave Pre-amplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
5	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
6	Antenna	EM	EM-6876-1	230	Jul. 07, 2018
7	Controller	CT	SC100	N/A	N/A
8	Controller	MF	MF-7802	MF780208416	N/A
9	Cable	emci	EMC104-SM-SM-1 2000(12m)	N/A	Jun. 26, 2018
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

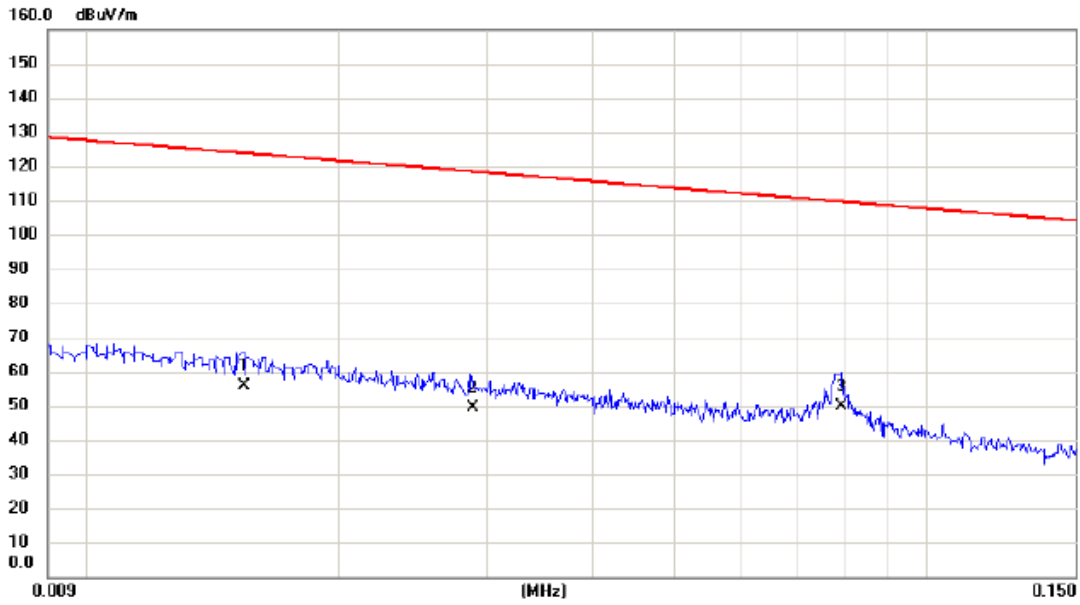
Remark: "N/A" denotes no model name, serial no. or calibration specified.  
All calibration period of equipment list is one year.



## APPENDIX A - RADIATED EMISSION (9KHZ-30MHZ)

Test Mode: TX Mode (Adapter: Salcomp)

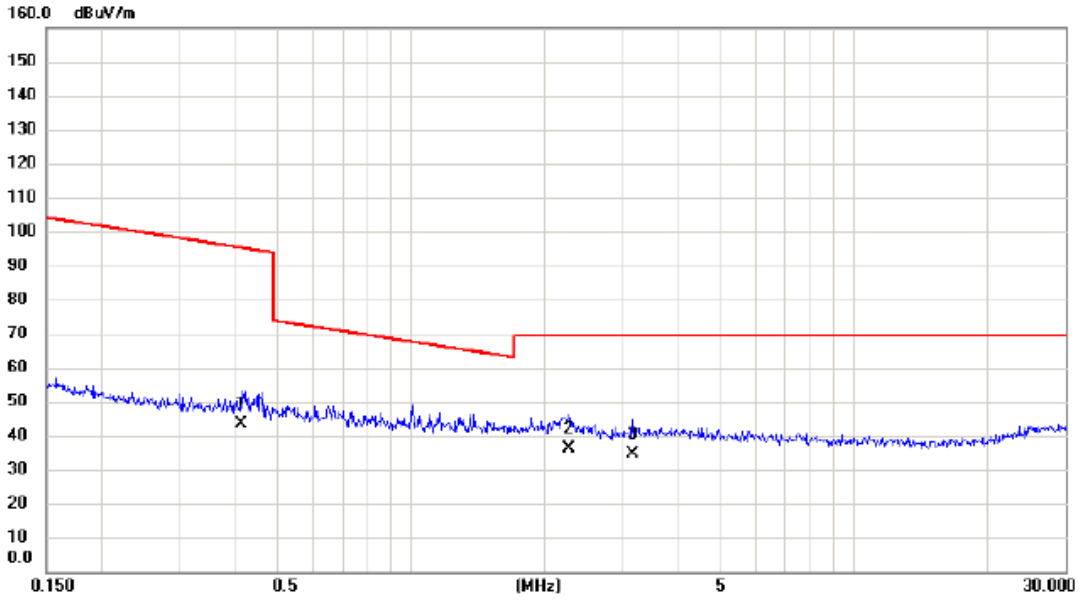
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0154	35.46	20.22	55.68	123.85	-68.17	AVG	
2		0.0288	29.99	19.36	49.35	118.42	-69.07	AVG	
3	*	0.0790	31.69	18.13	49.82	109.65	-59.83	AVG	

Test Mode: TX Mode (Adapter: Salcomp)

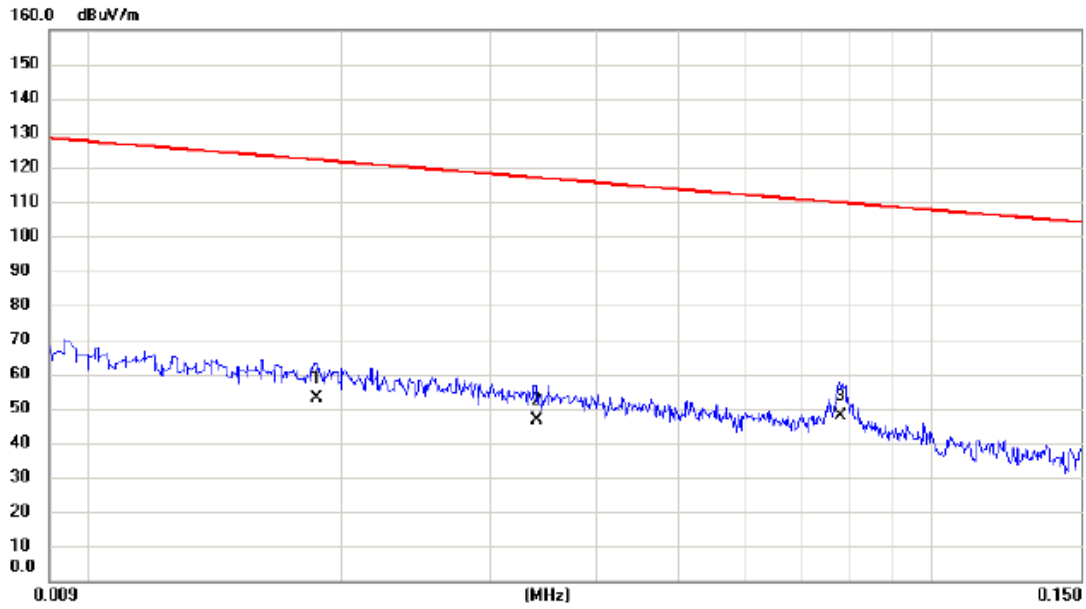
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.4127	26.74	16.54	43.28	95.29	-52.01	AVG	
2	*	2.2726	20.87	15.44	36.31	69.54	-33.23	QP	
3		3.1563	19.25	15.18	34.43	69.54	-35.11	QP	

Test Mode: TX Mode (Adapter: Salcomp)

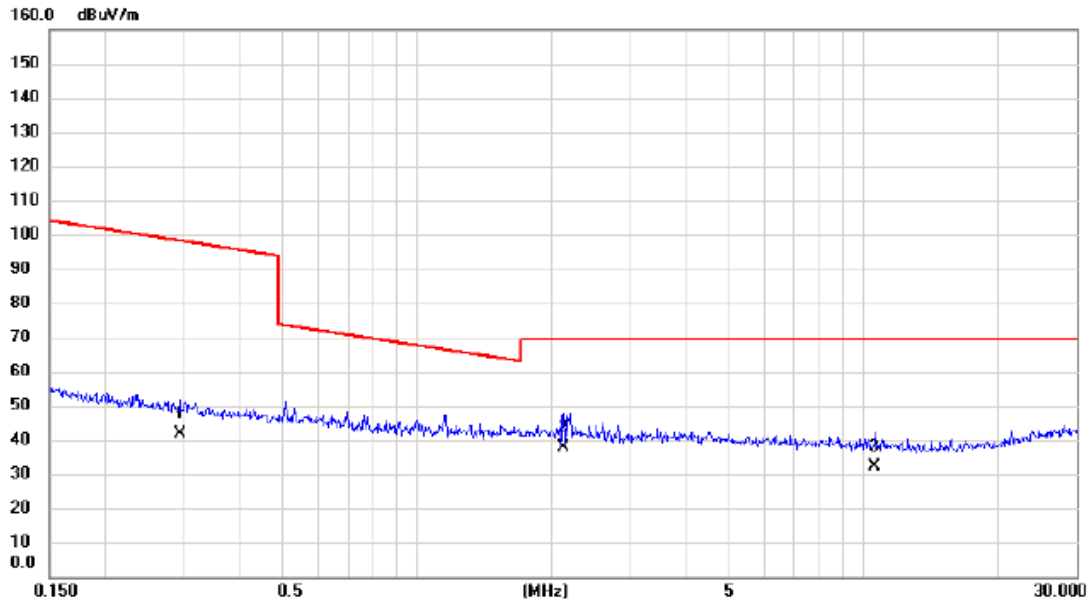
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0187	33.40	19.79	53.19	122.17	-68.98	AVG	
2		0.0340	27.58	19.20	46.78	116.98	-70.20	AVG	
3	*	0.0780	29.83	18.16	47.99	109.76	-61.77	AVG	

Test Mode: TX Mode (Adapter: Salcomp)

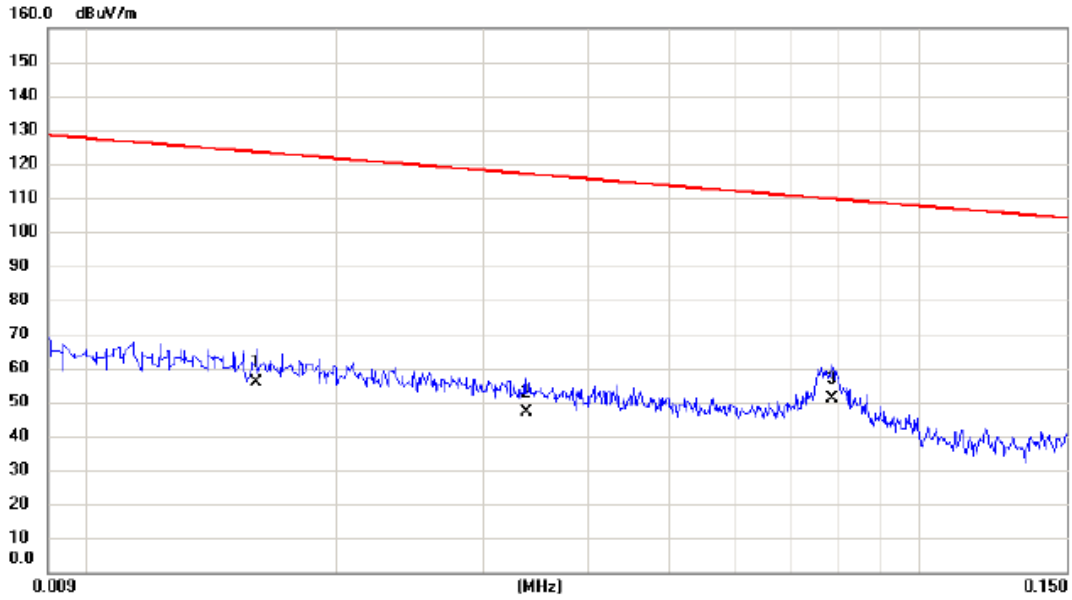
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2940	25.15	16.62	41.77	98.24	-56.47	AVG	
2	*	2.1326	22.51	15.47	37.98	69.54	-31.56	QP	
3		10.6198	18.37	13.80	32.17	69.54	-37.37	QP	

Test Mode: TX Mode (Adapter: BYD)

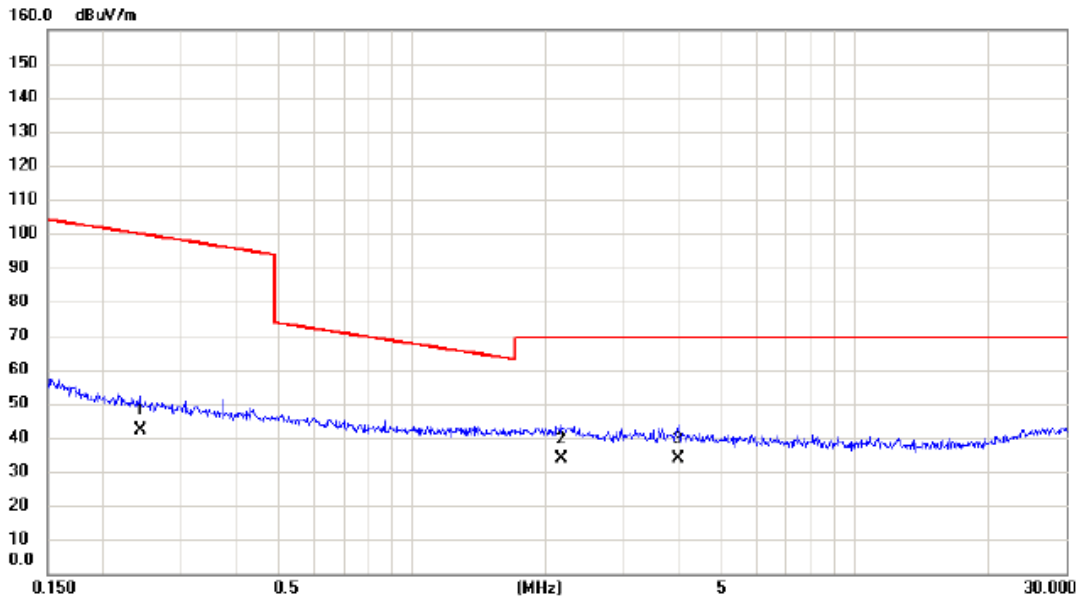
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0160	35.60	20.14	55.74	123.52	-67.78	AVG	
2		0.0338	27.61	19.21	46.82	117.03	-70.21	AVG	
3	*	0.0785	32.88	18.15	51.03	109.71	-58.68	AVG	

Test Mode: TX Mode (Adapter: BYD)

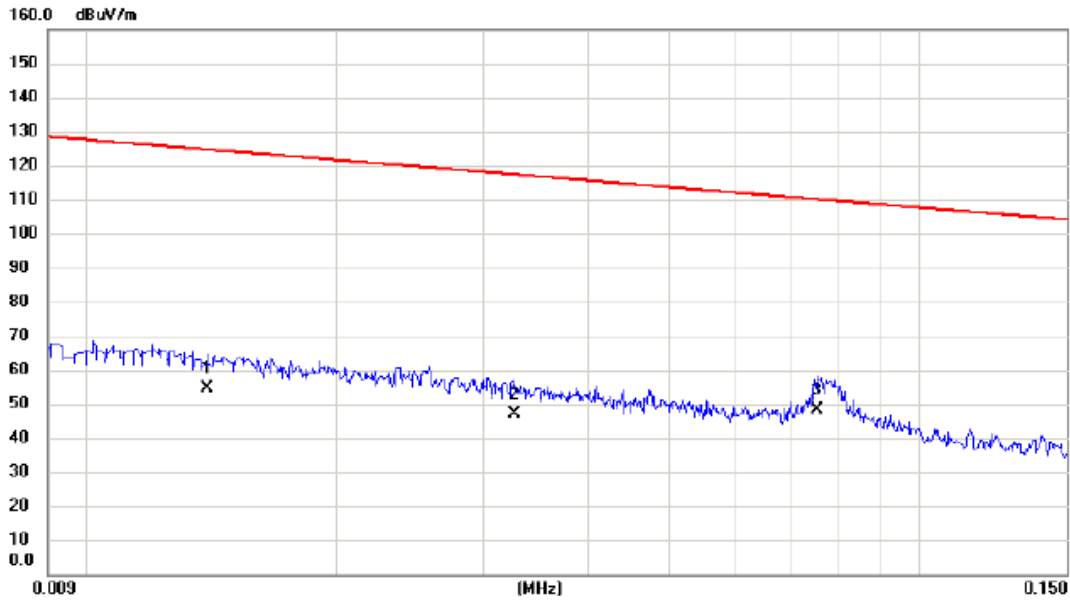
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2430	25.60	16.68	42.28	99.89	-57.61	AVG	
2		2.1783	18.41	15.46	33.87	69.54	-35.67	QP	
3	*	3.9850	18.94	14.95	33.89	69.54	-35.65	QP	

Test Mode: TX Mode (Adapter: BYD)

Ant 90°

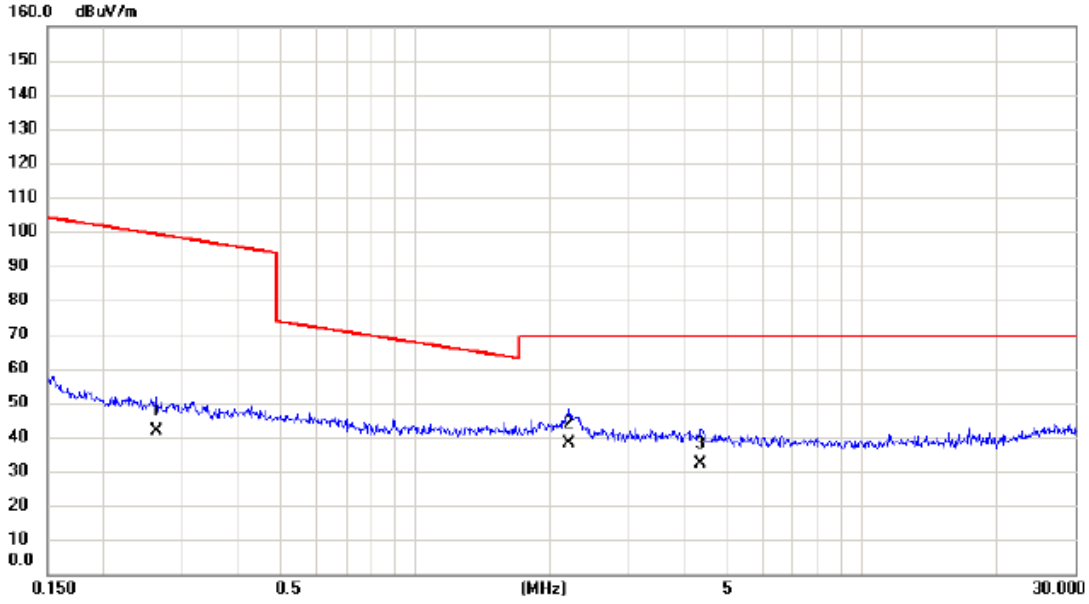


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0140	34.15	20.40	54.55	124.68	-70.13	AVG	
2		0.0326	27.71	19.24	46.95	117.34	-70.39	AVG	
3	*	0.0755	30.09	18.22	48.31	110.05	-61.74	AVG	



Test Mode: TX Mode (Adapter: BYD)

Ant 90°

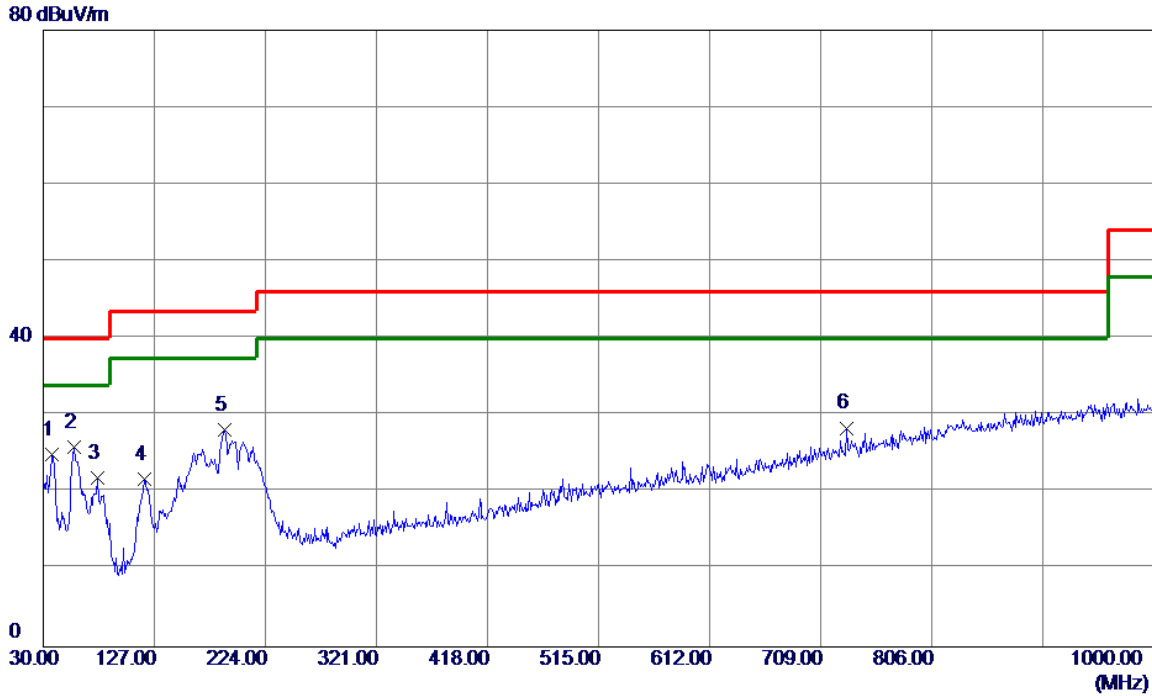


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2630	25.26	16.65	41.91	99.21	-57.30	AVG	
2 *	2.2131	22.58	15.45	38.03	69.54	-31.51	QP	
3	4.3606	17.28	14.74	32.02	69.54	-37.52	QP	

## APPENDIX B - RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Mode: TX 2402MHz \_CH00\_1Mbps (Adapter: Salcomp)

**Vertical**

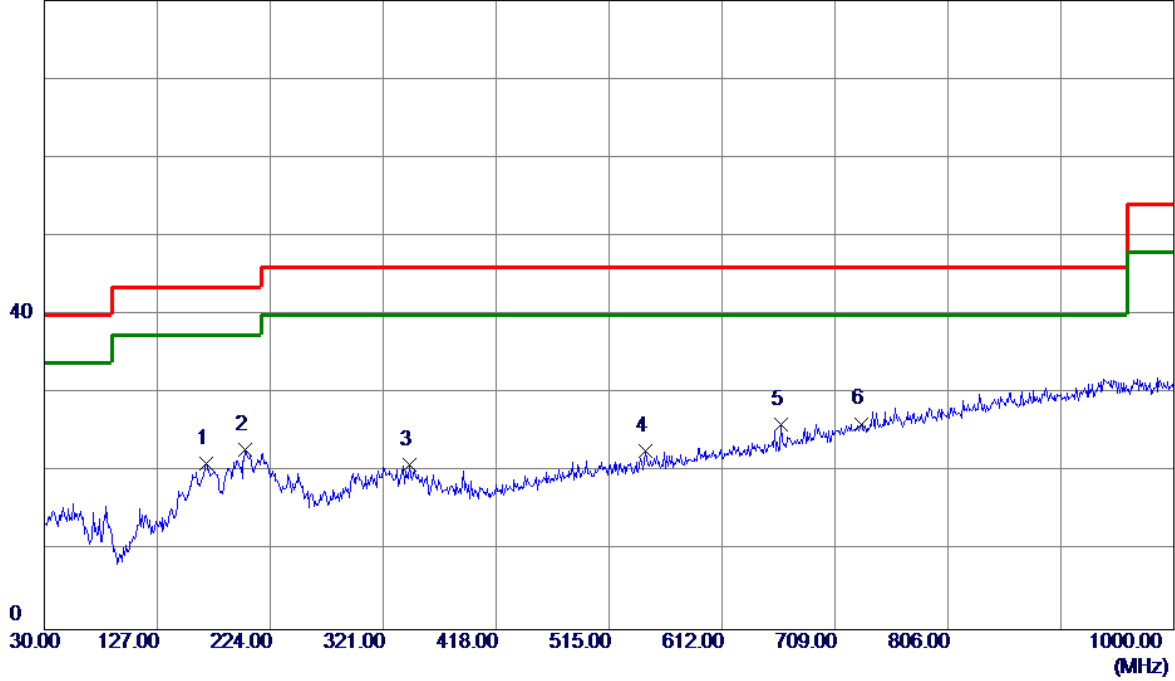


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	37.7599	39.27	-14.30	24.97	40.00	-15.03	Peak	
2 *	57.1600	39.93	-14.04	25.89	40.00	-14.11	Peak	
3	77.5300	39.61	-17.67	21.94	40.00	-18.06	Peak	
4	118.2700	37.24	-15.53	21.71	43.50	-21.79	Peak	
5	188.1100	40.79	-12.69	28.10	43.50	-15.40	Peak	
6	731.3100	31.40	-3.00	28.40	46.00	-17.60	Peak	

Test Mode: TX 2402MHz \_CH00\_1Mbps (Adapter: Salcomp)

**Horizontal**

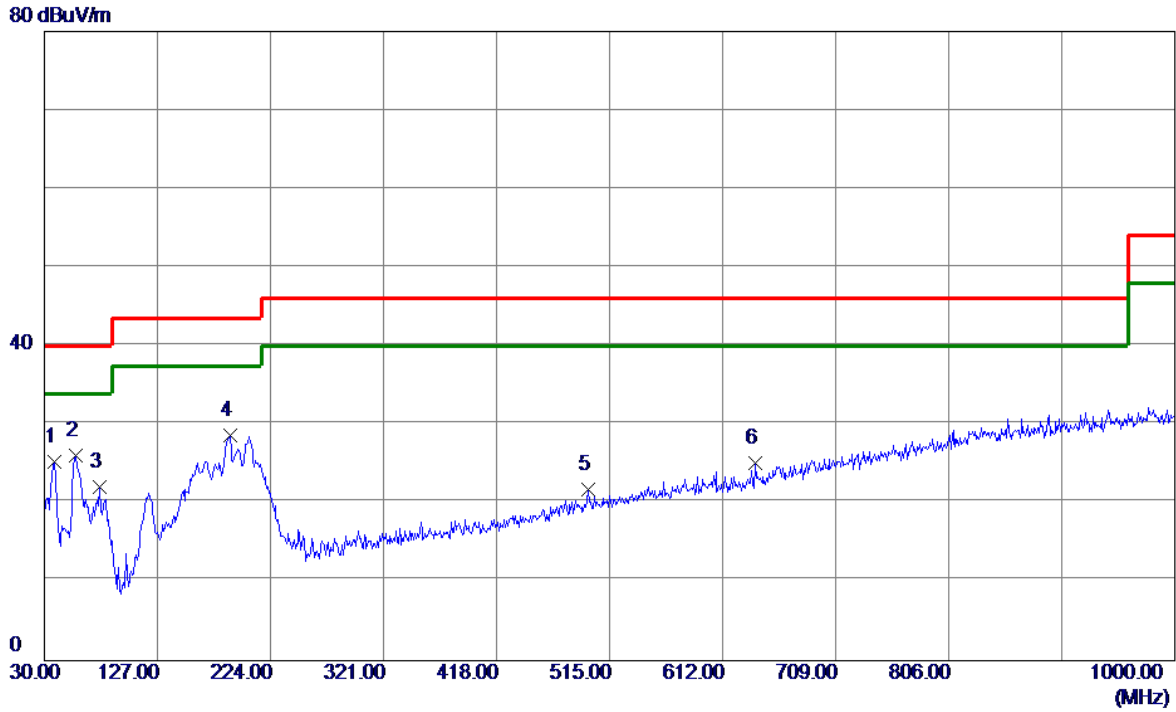
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	168.7100	33.55	-12.41	21.14	43.50	-22.36	Peak	
2	202.6600	36.76	-13.81	22.95	43.50	-20.55	Peak	
3	343.3100	33.04	-12.07	20.97	46.00	-25.03	Peak	
4	546.0400	30.49	-7.79	22.70	46.00	-23.30	Peak	
5	662.4400	31.10	-5.09	26.01	46.00	-19.99	Peak	
6 *	731.3100	29.16	-3.00	26.16	46.00	-19.84	Peak	

Test Mode: TX 2480MHz \_CH78\_1Mbps (Adapter: Salcomp)

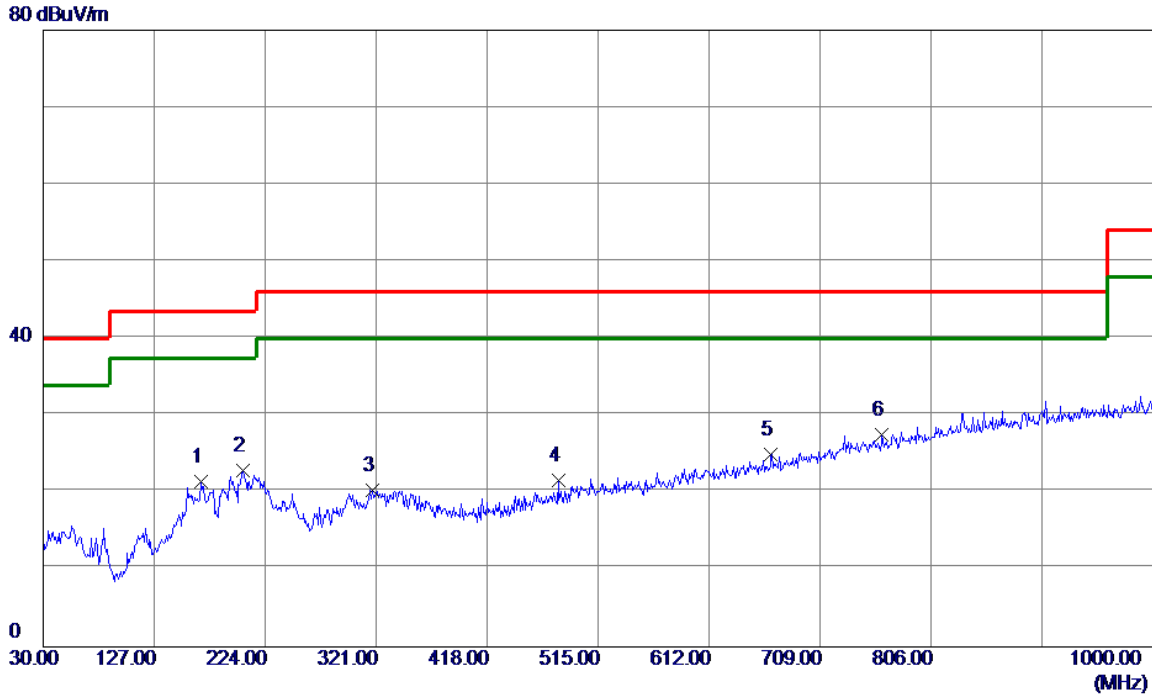
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	39.40	-14.16	25.24	40.00	-14.76	Peak	
2 *	57.1600	40.11	-14.04	26.07	40.00	-13.93	Peak	
3	77.5300	39.68	-17.67	22.01	40.00	-17.99	Peak	
4	189.0800	41.37	-12.77	28.60	43.50	-14.90	Peak	
5	496.5700	30.51	-8.80	21.71	46.00	-24.29	Peak	
6	640.1300	30.71	-5.66	25.05	46.00	-20.95	Peak	

Test Mode: TX 2480MHz \_CH78\_1Mbps (Adapter: Salcomp)

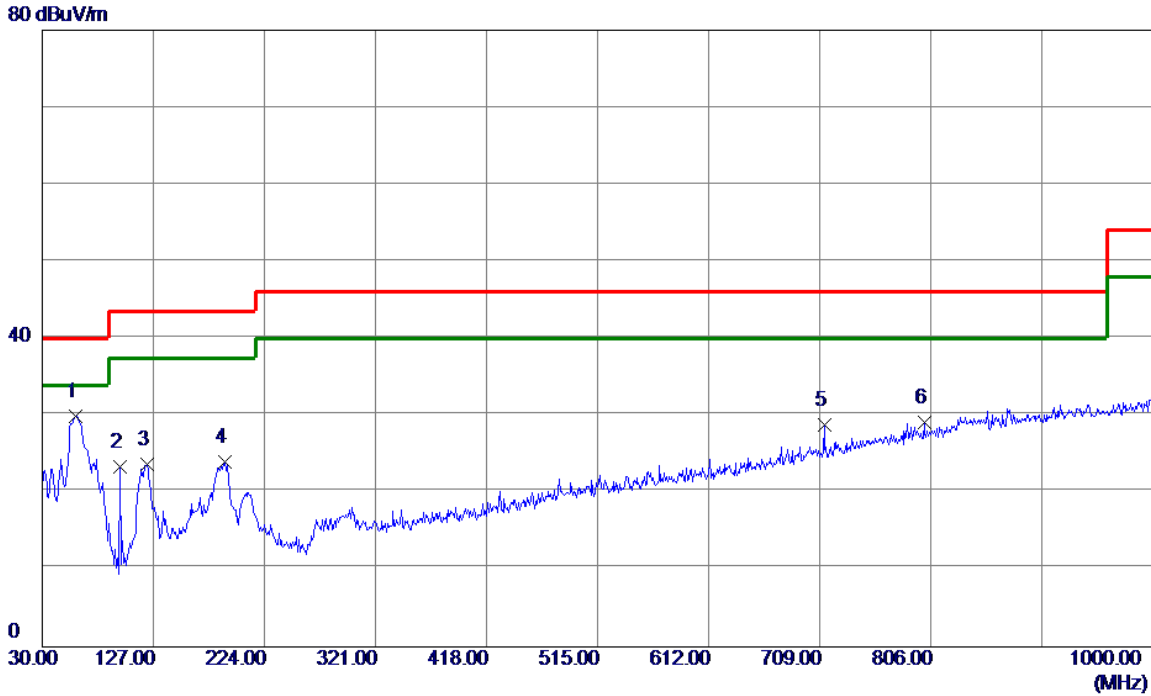
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	167.7400	33.92	-12.47	21.45	43.50	-22.05	Peak	
2	204.6000	36.80	-13.85	22.95	43.50	-20.55	Peak	
3	318.0900	32.89	-12.51	20.38	46.00	-25.62	Peak	
4	480.0800	30.74	-9.21	21.53	46.00	-24.47	Peak	
5	666.3200	29.97	-4.97	25.00	46.00	-21.00	Peak	
6 *	763.3200	29.61	-2.16	27.45	46.00	-18.55	Peak	

Test Mode: TX 2402MHz\_CH00\_1Mbps (Adapter: BYD)

**Vertical**

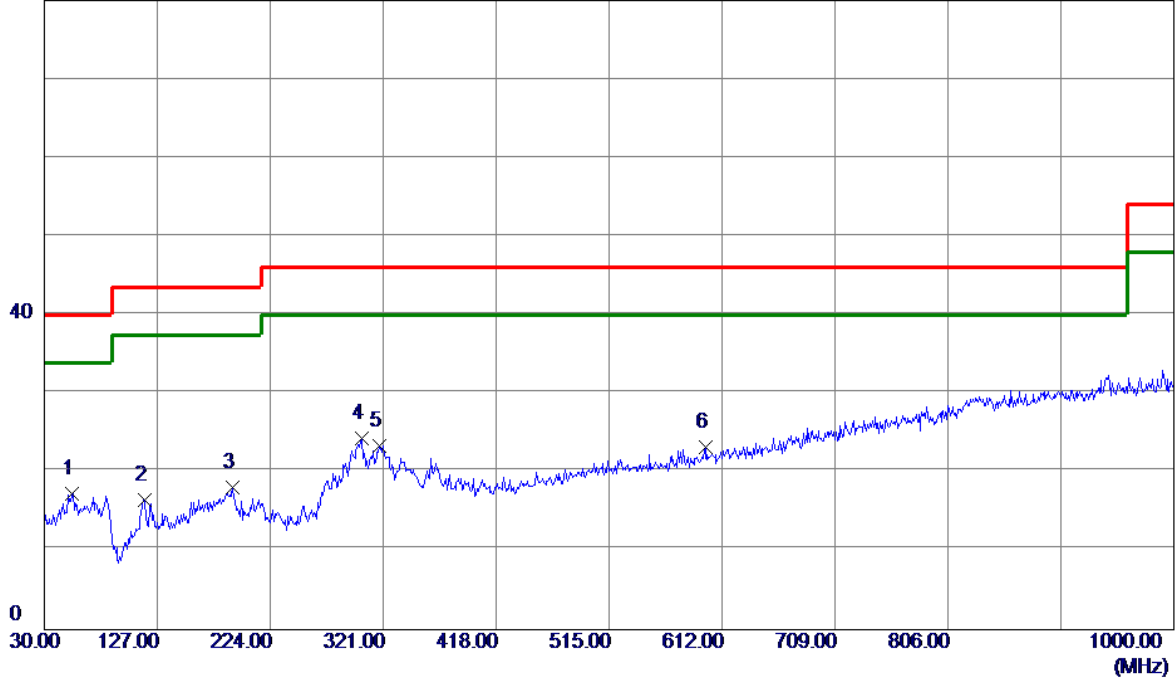


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	59.1000	44.17	-14.22	29.95	40.00	-10.05	Peak	
2	97.9000	41.42	-18.04	23.38	43.50	-20.12	Peak	
3	121.1800	39.06	-15.32	23.74	43.50	-19.76	Peak	
4	189.0800	36.79	-12.77	24.02	43.50	-19.48	Peak	
5	712.8800	32.37	-3.55	28.82	46.00	-17.18	Peak	
6	800.1800	30.41	-1.36	29.05	46.00	-16.95	Peak	

Test Mode: TX 2402MHz\_CH00\_1Mbps (Adapter: BYD)

**Horizontal**

80 dBuV/m

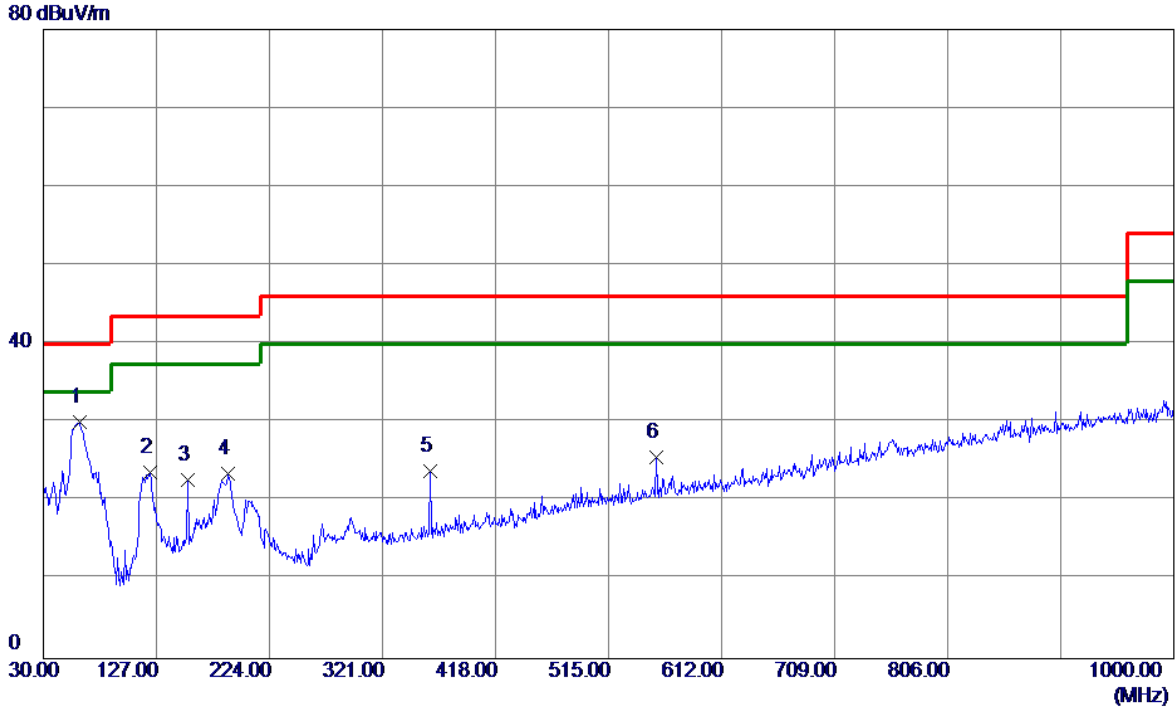


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	53.2800	31.21	-13.88	17.33	40.00	-22.67	Peak	
2	116.3300	32.18	-15.69	16.49	43.50	-27.01	Peak	
3	191.9900	31.07	-13.03	18.04	43.50	-25.46	Peak	
4 *	302.5700	37.05	-12.78	24.27	46.00	-21.73	Peak	
5	318.0900	35.93	-12.51	23.42	46.00	-22.58	Peak	
6	598.4200	29.63	-6.46	23.17	46.00	-22.83	Peak	



Test Mode: TX 2480MHz\_CH78\_1Mbps (Adapter: BYD)

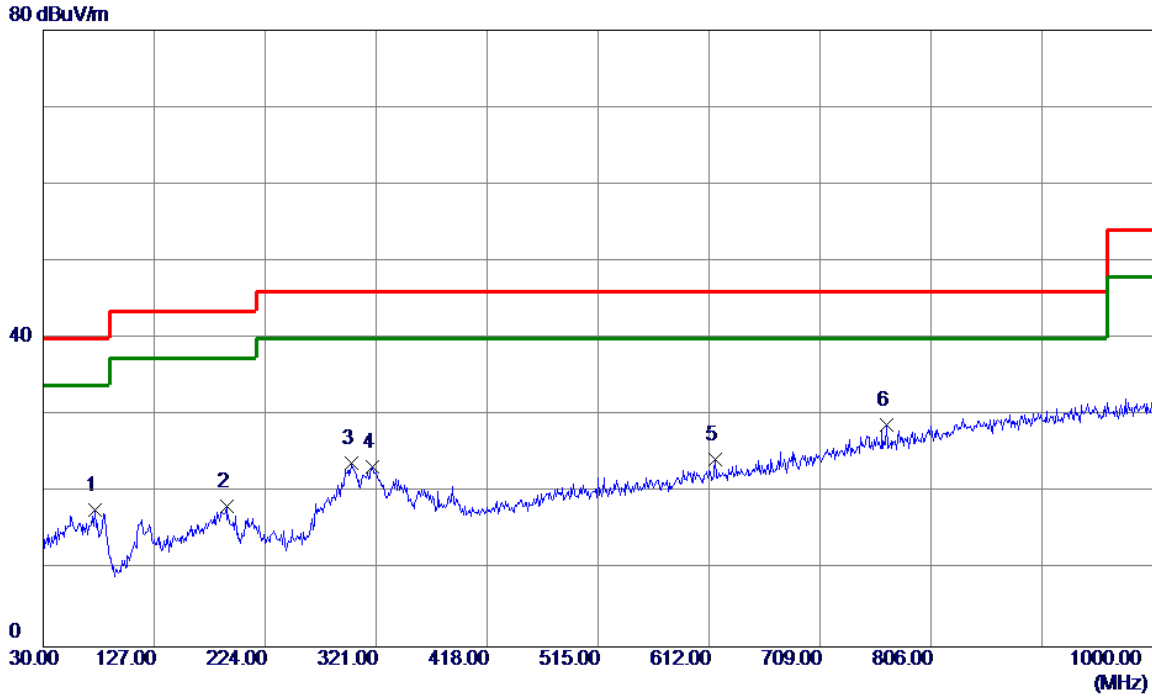
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	61.0400	44.53	-14.48	30.05	40.00	-9.95	Peak	
2	121.1800	38.99	-15.32	23.67	43.50	-19.83	Peak	
3	154.1600	36.01	-13.28	22.73	43.50	-20.77	Peak	
4	188.1100	36.25	-12.69	23.56	43.50	-19.94	Peak	
5	361.7400	35.64	-11.82	23.82	46.00	-22.18	Peak	
6	555.7400	33.13	-7.57	25.56	46.00	-20.44	Peak	

Test Mode: TX 2480MHz\_CH78\_1Mbps (Adapter: BYD)

**Horizontal**



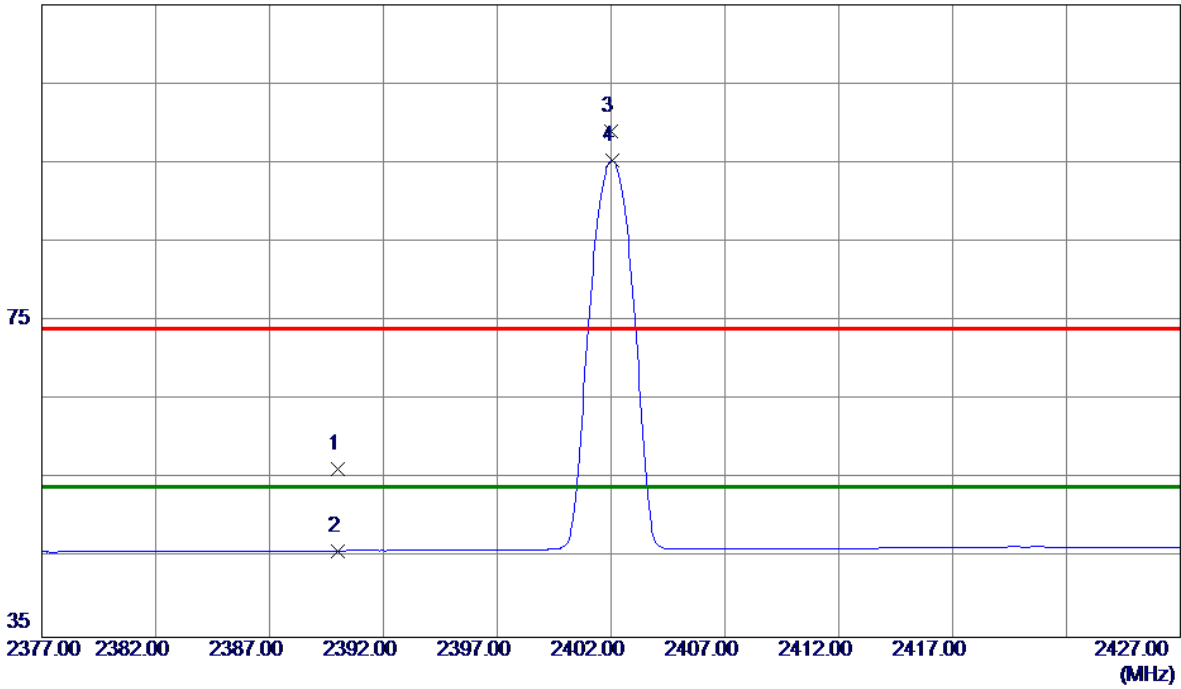
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	75.5899	34.97	-17.22	17.75	40.00	-22.25	Peak	
2	190.0500	31.02	-12.85	18.17	43.50	-25.33	Peak	
3	299.6600	36.78	-12.88	23.90	46.00	-22.10	Peak	
4	318.0900	35.81	-12.51	23.30	46.00	-22.70	Peak	
5	617.8200	30.39	-6.08	24.31	46.00	-21.69	Peak	
6 *	767.2000	30.87	-2.07	28.80	46.00	-17.20	Peak	

## APPENDIX C - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Vertical**

115 dBuV/m

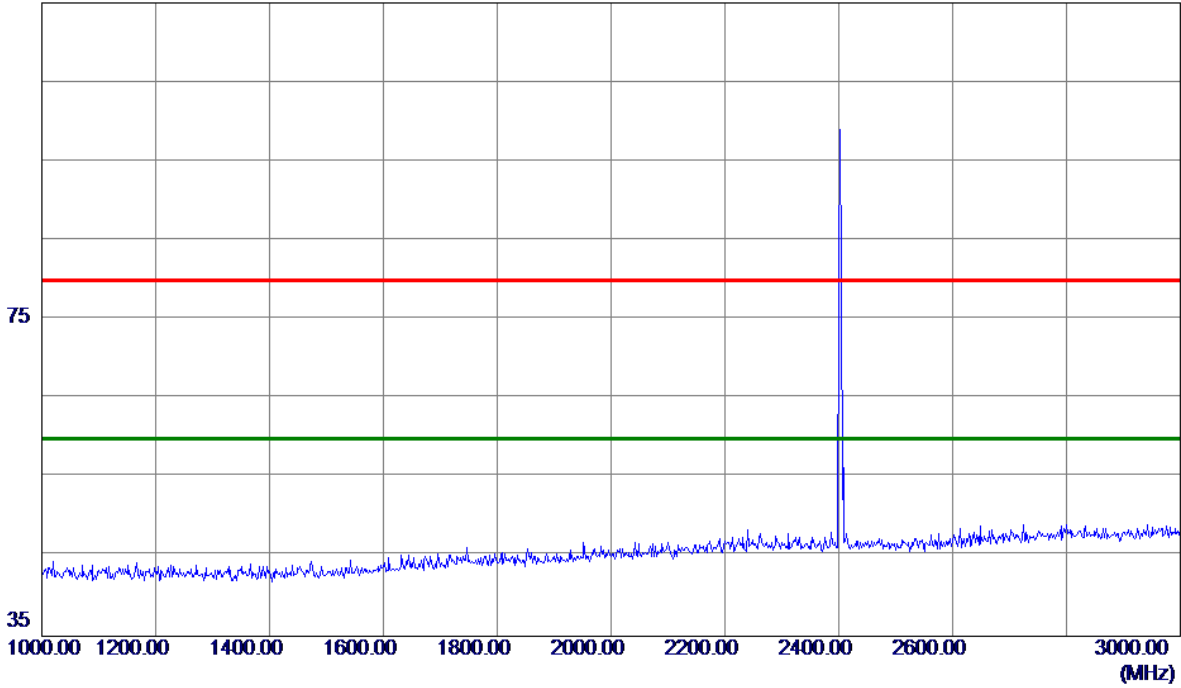


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.29	33.06	56.35	74.00	-17.65	Peak	
2	2390.0000	12.87	33.06	45.93	54.00	-8.07	AVG	
3	2402.0000	65.83	33.10	98.93	74.00	24.93	Peak	No Limit
4 *	2402.0500	62.17	33.10	95.27	54.00	41.27	AVG	No Limit

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Vertical**

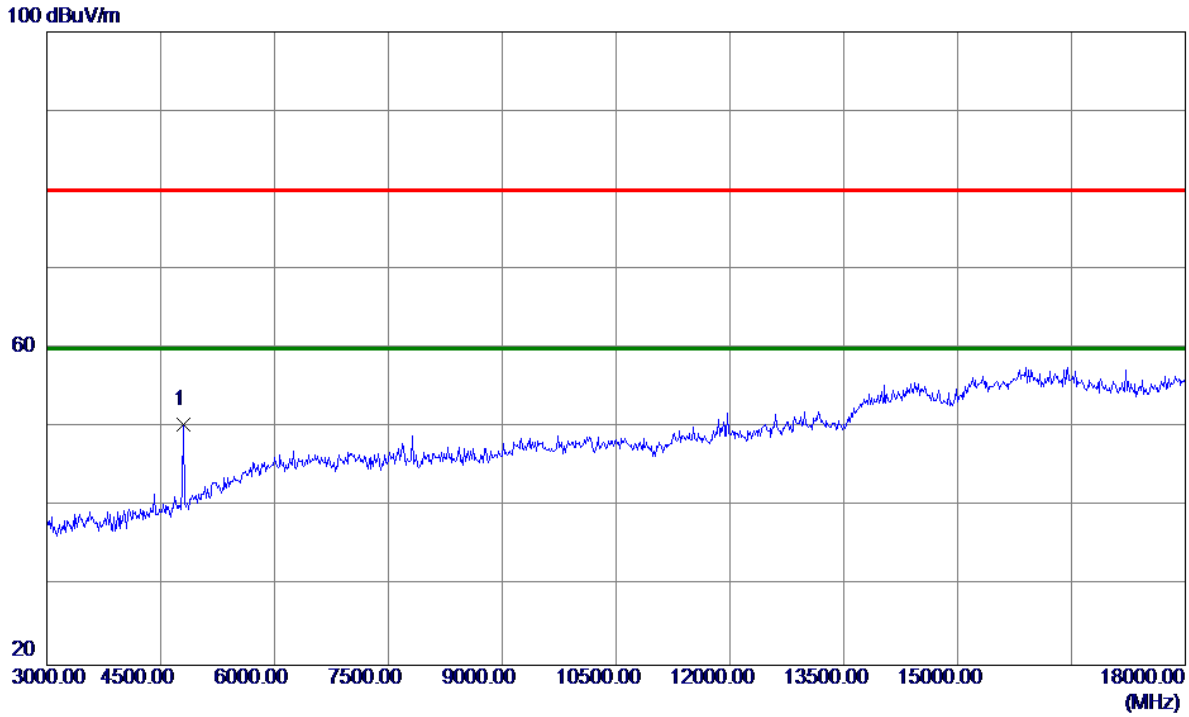
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2402MHz \_CH00\_1Mbps

**Vertical**

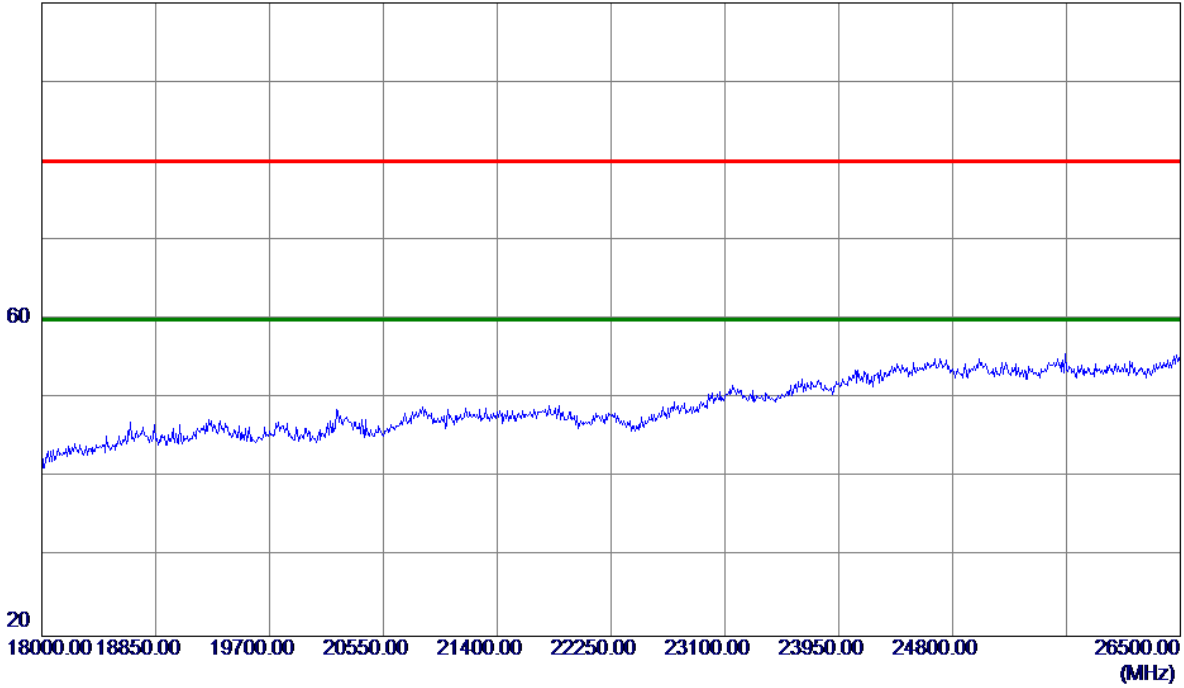


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4800.0000	43.78	6.57	50.35	80.00	-29.65	Peak	

Test Mode : TX 2402MHz \_CH00\_1Mbps

Vertical

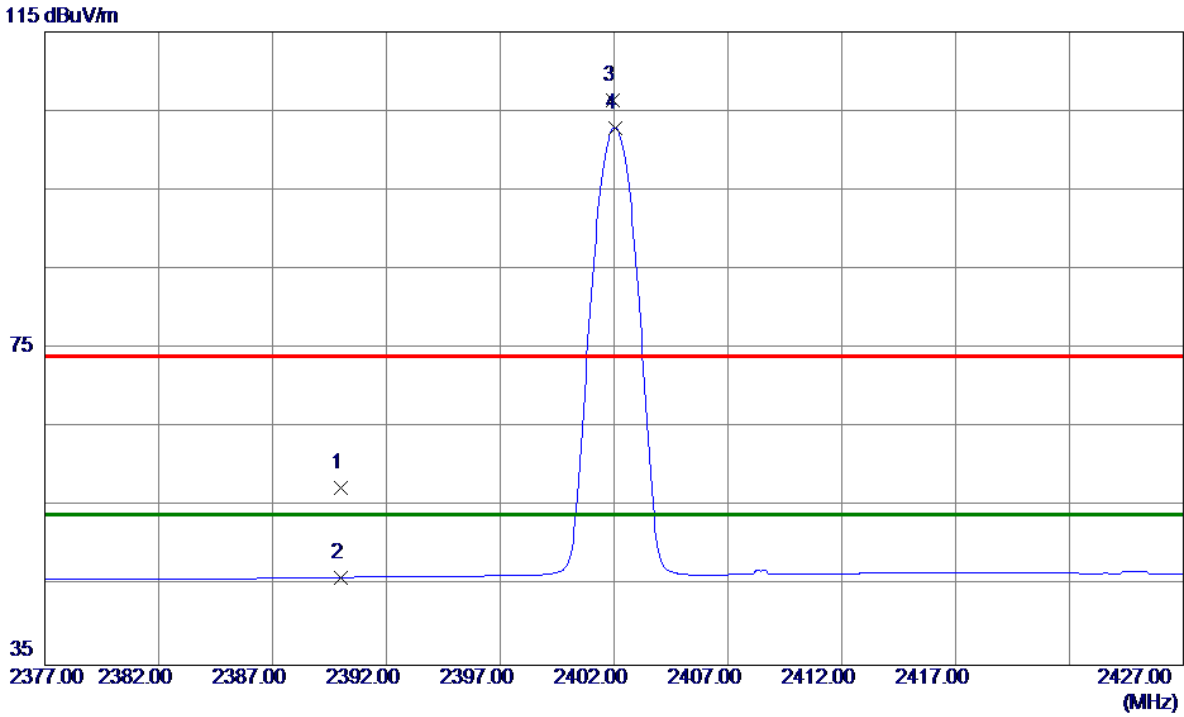
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2402MHz \_CH00\_1Mbps

**Horizontal**

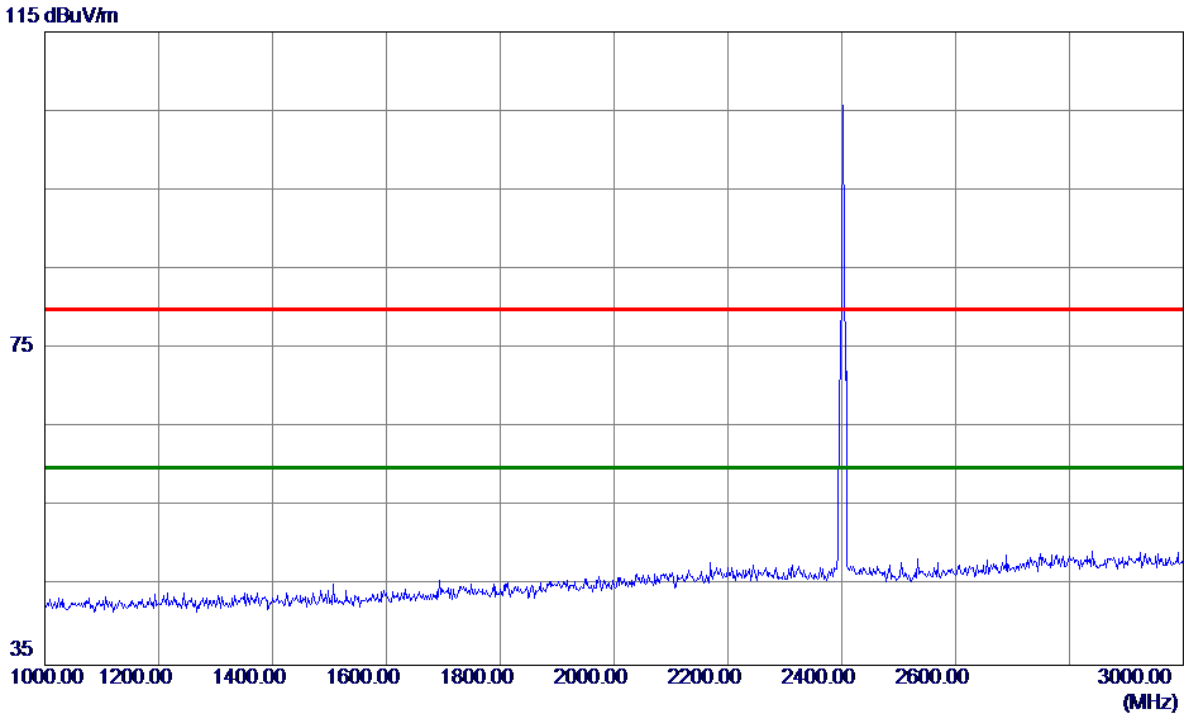


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.35	33.06	57.41	74.00	-16.59	Peak	
2	2390.0000	13.00	33.06	46.06	54.00	-7.94	AVG	
3	2401.9500	73.27	33.10	106.37	74.00	32.37	Peak	No Limit
4 *	2402.0500	69.80	33.10	102.90	54.00	48.90	AVG	No Limit



Test Mode : TX 2402MHz \_CH00\_1Mbps

**Horizontal**

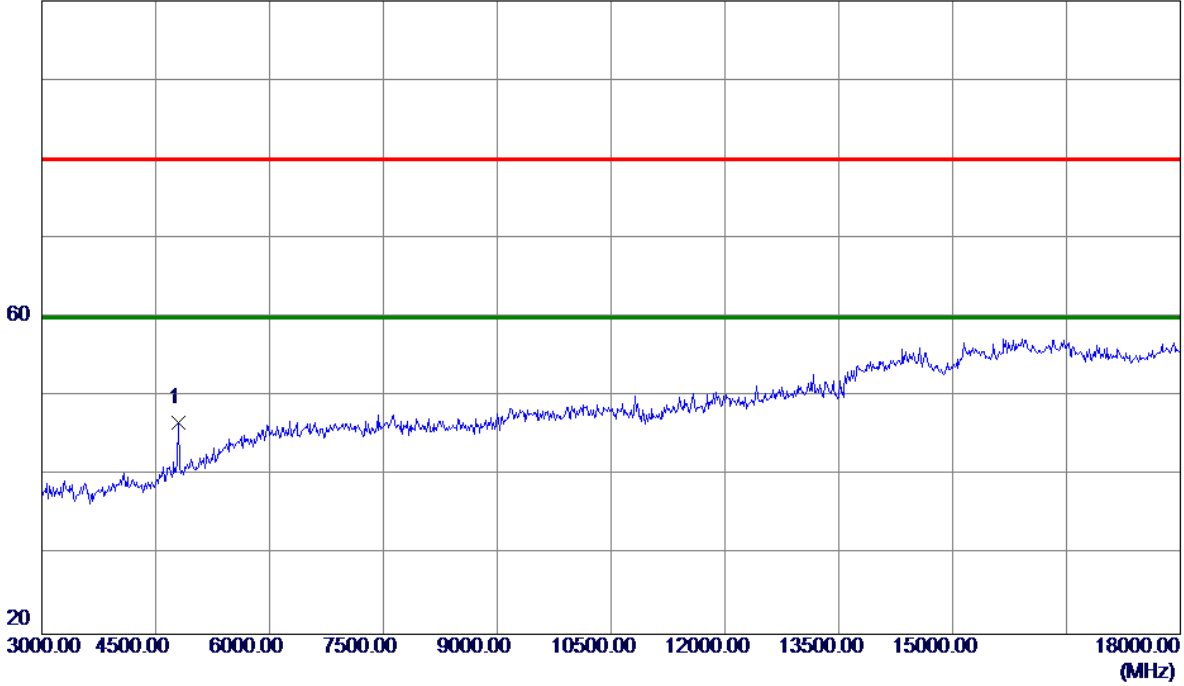


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Horizontal**

100 dBuV/m

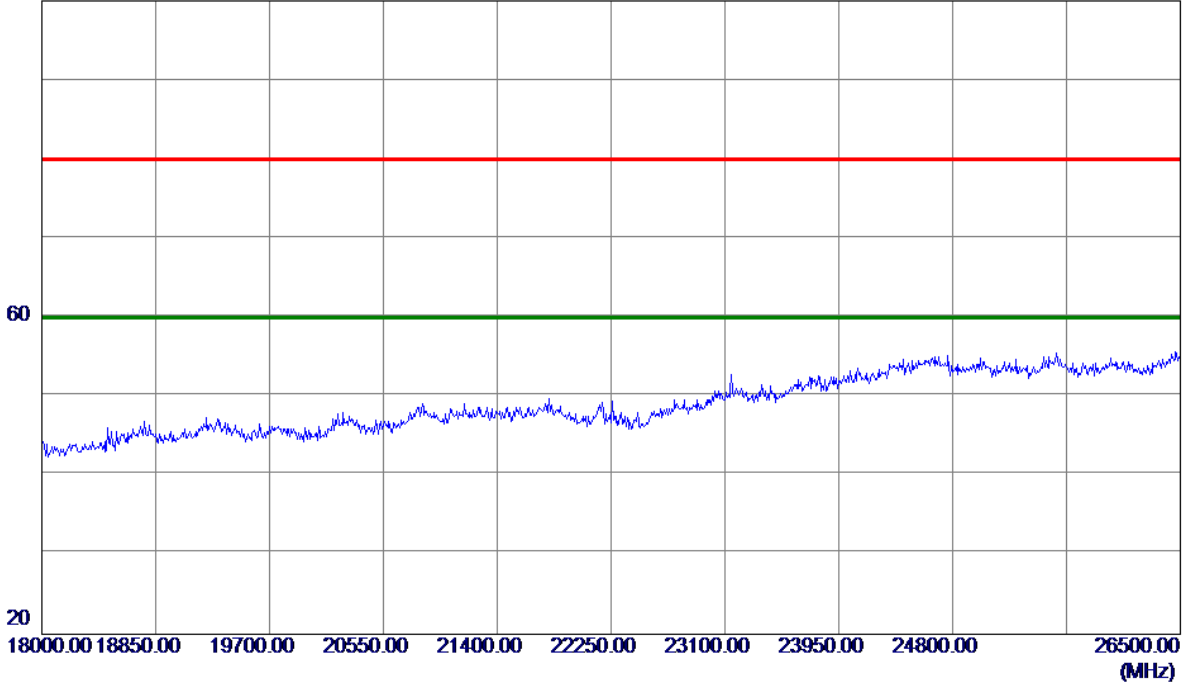


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4800.0000	40.13	6.57	46.70	80.00	-33.30	Peak	

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Horizontal**

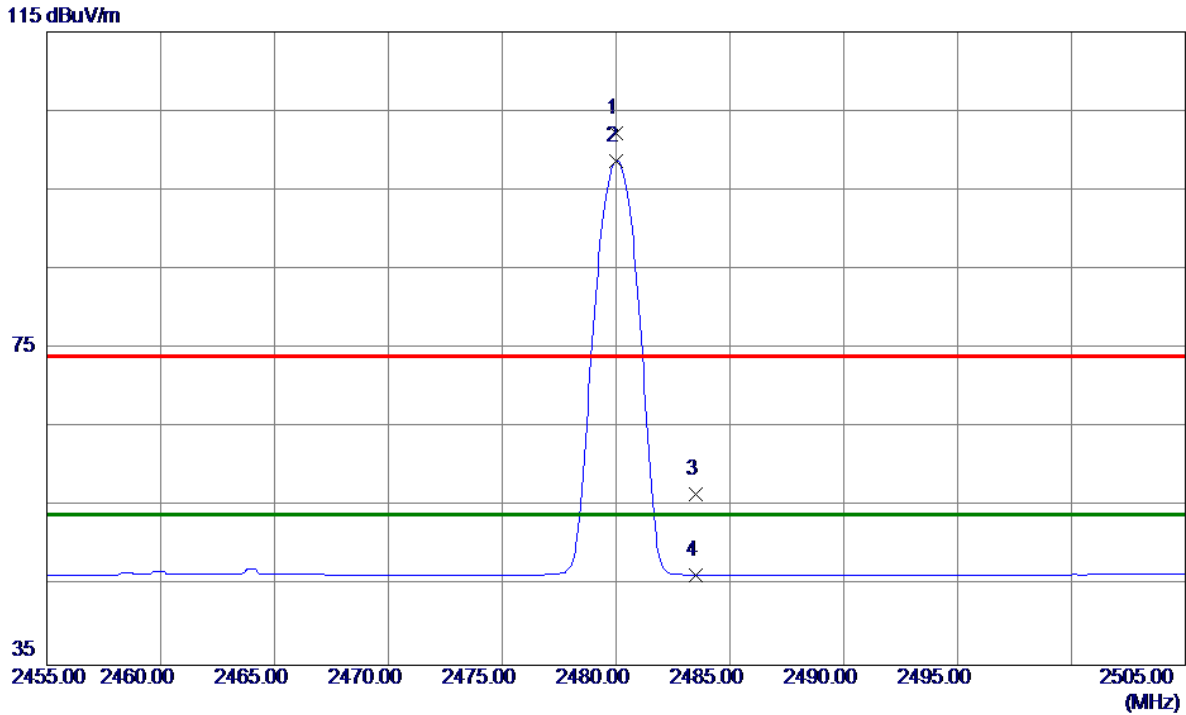
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2480MHz \_CH78\_1Mbps

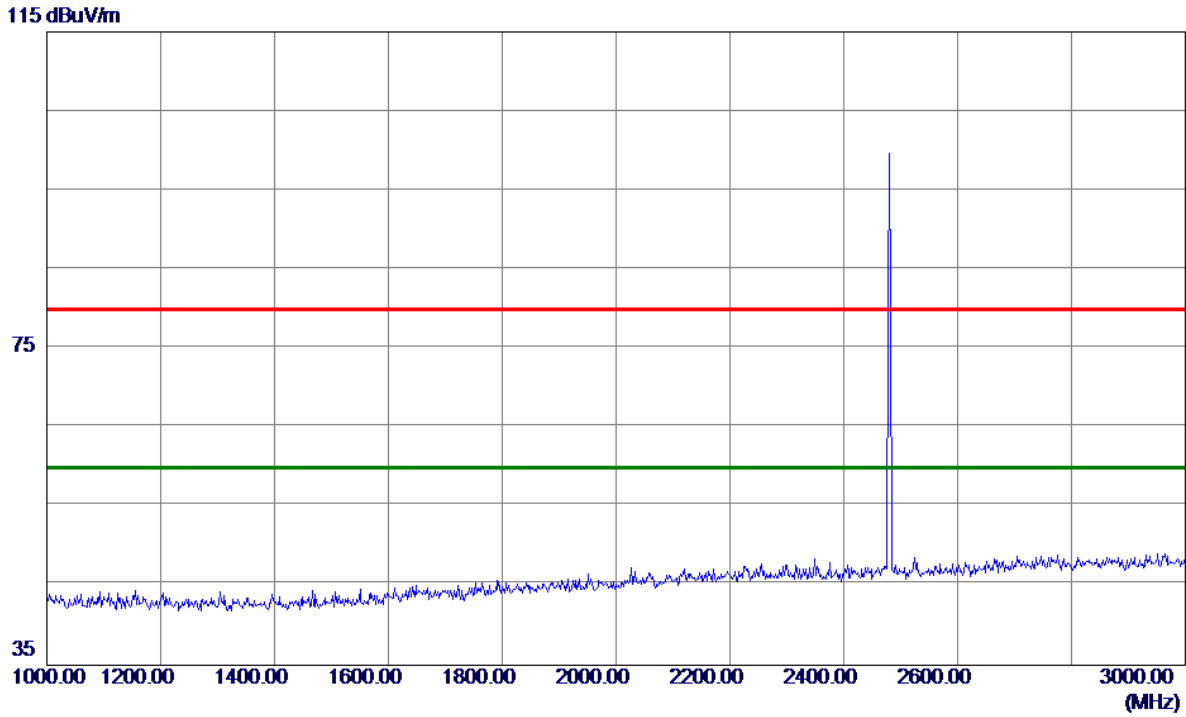
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2480.0000	68.79	33.39	102.18	74.00	28.18	Peak	No Limit
2 *	2480.0000	65.29	33.39	98.68	54.00	44.68	AVG	No Limit
3	2483.5000	23.13	33.41	56.54	74.00	-17.46	Peak	
4	2483.5000	12.98	33.41	46.39	54.00	-7.61	AVG	

Test Mode : TX 2480MHz \_CH78\_1Mbps

**Vertical**

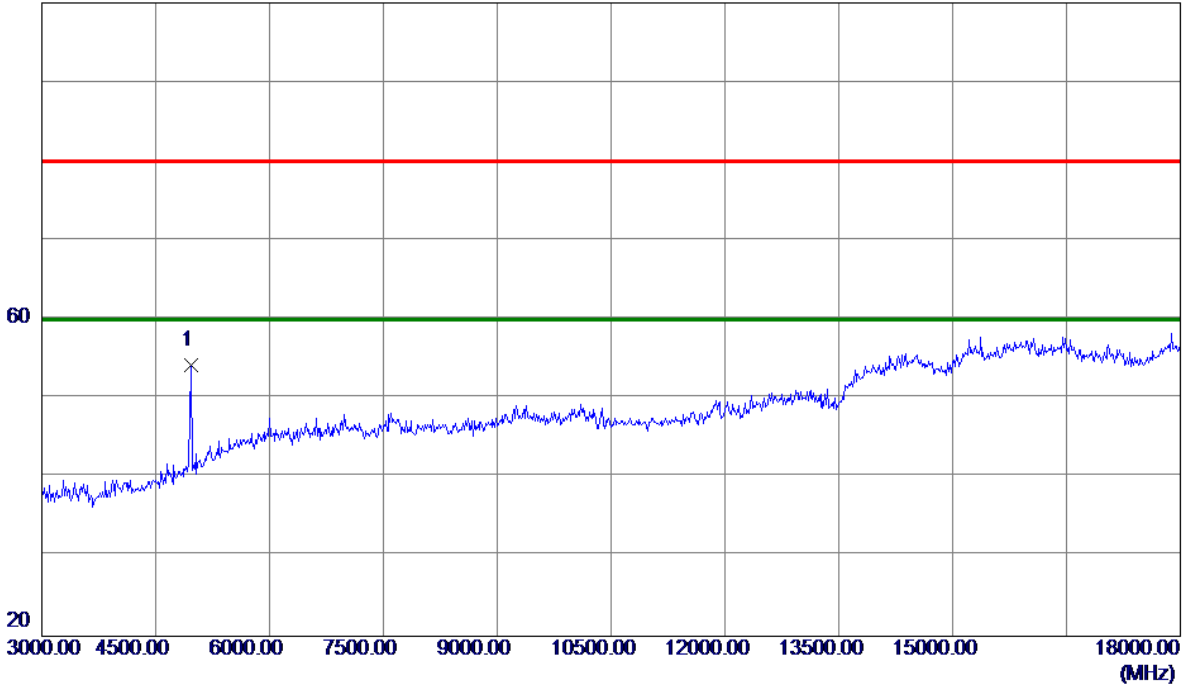


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode : TX 2480MHz \_CH78\_1Mbps

**Vertical**

100 dBuV/m

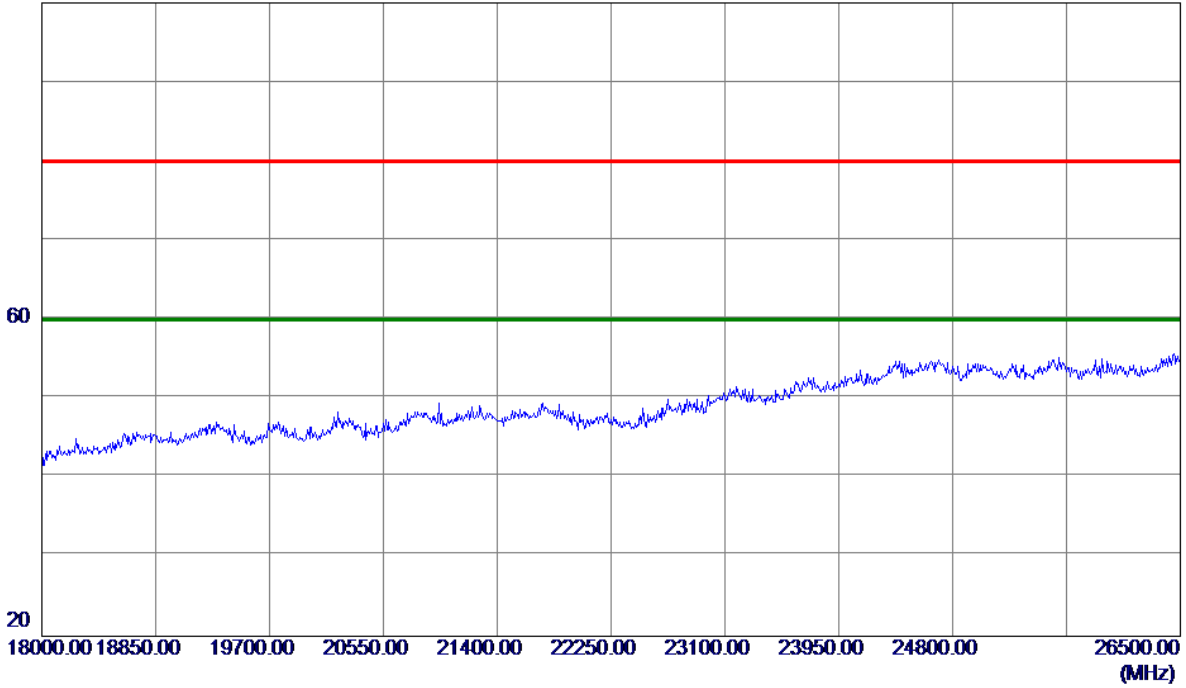


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4965.0000	47.10	7.16	54.26	80.00	-25.74	Peak	

Test Mode : TX 2480MHz \_CH78\_1Mbps

Vertical

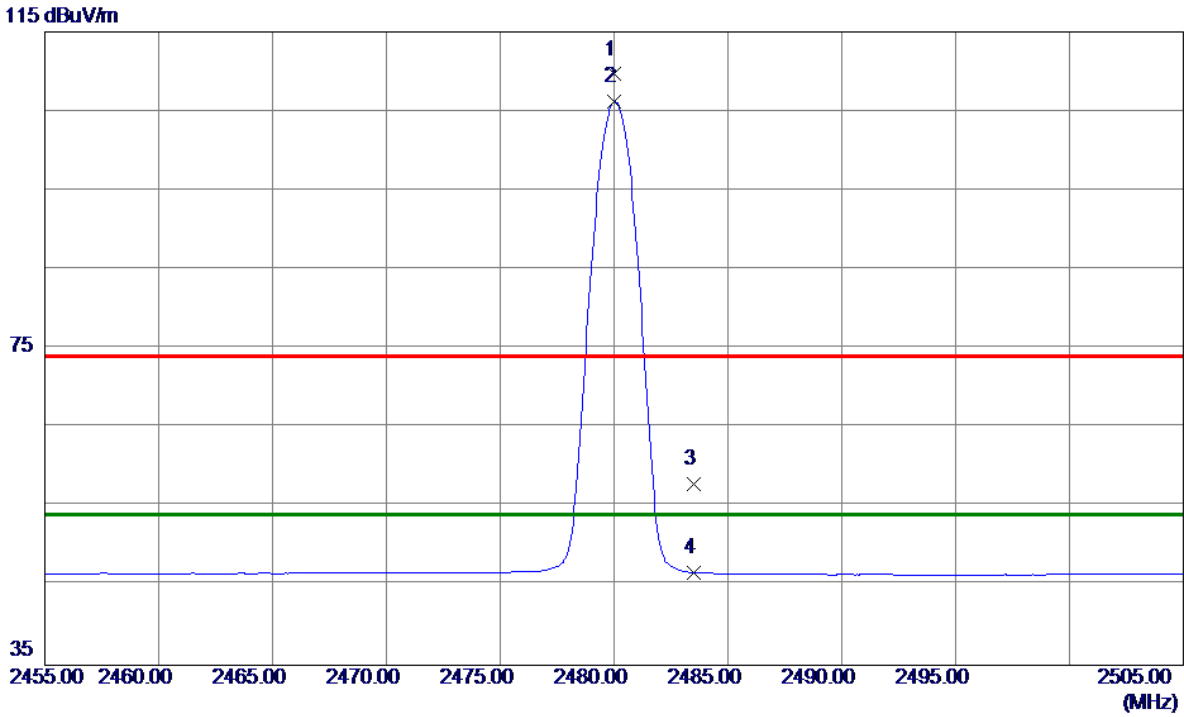
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2480MHz \_CH78\_1Mbps

**Horizontal**

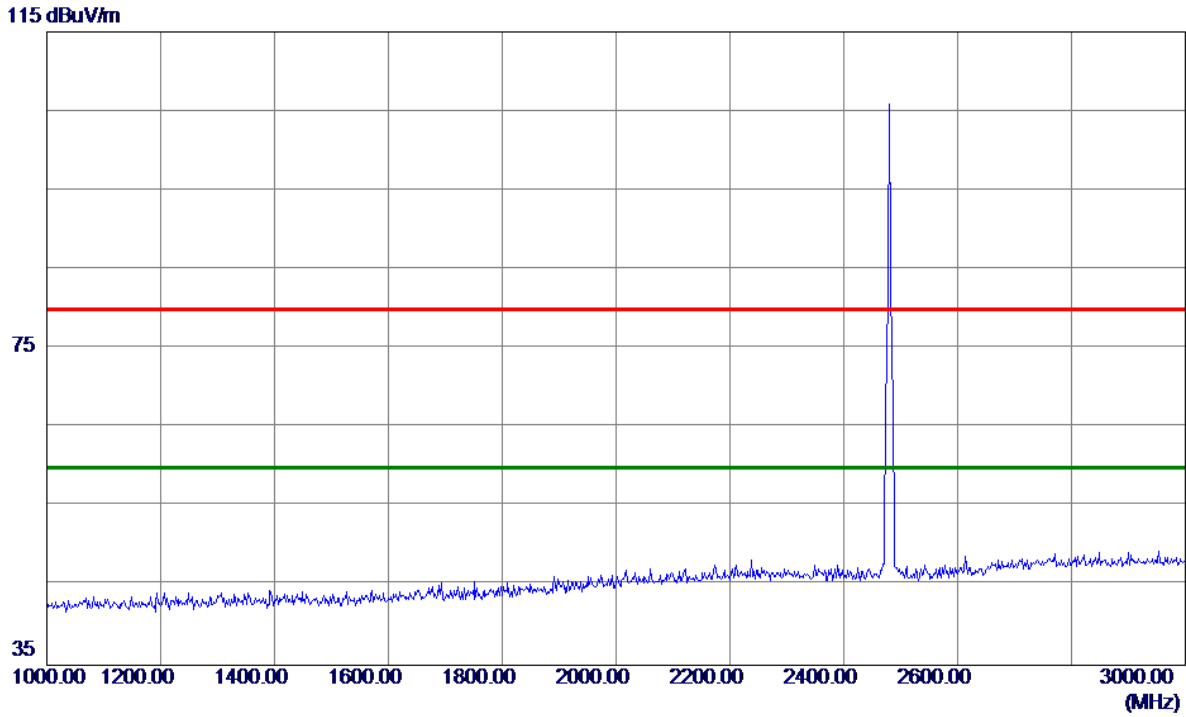


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2480.0000	76.25	33.39	109.64	74.00	35.64	Peak	No Limit
2 *	2480.0000	72.75	33.39	106.14	54.00	52.14	AVG	No Limit
3	2483.5000	24.48	33.41	57.89	74.00	-16.11	Peak	
4	2483.5000	13.29	33.41	46.70	54.00	-7.30	AVG	



Test Mode : TX 2480MHz \_CH78\_1Mbps

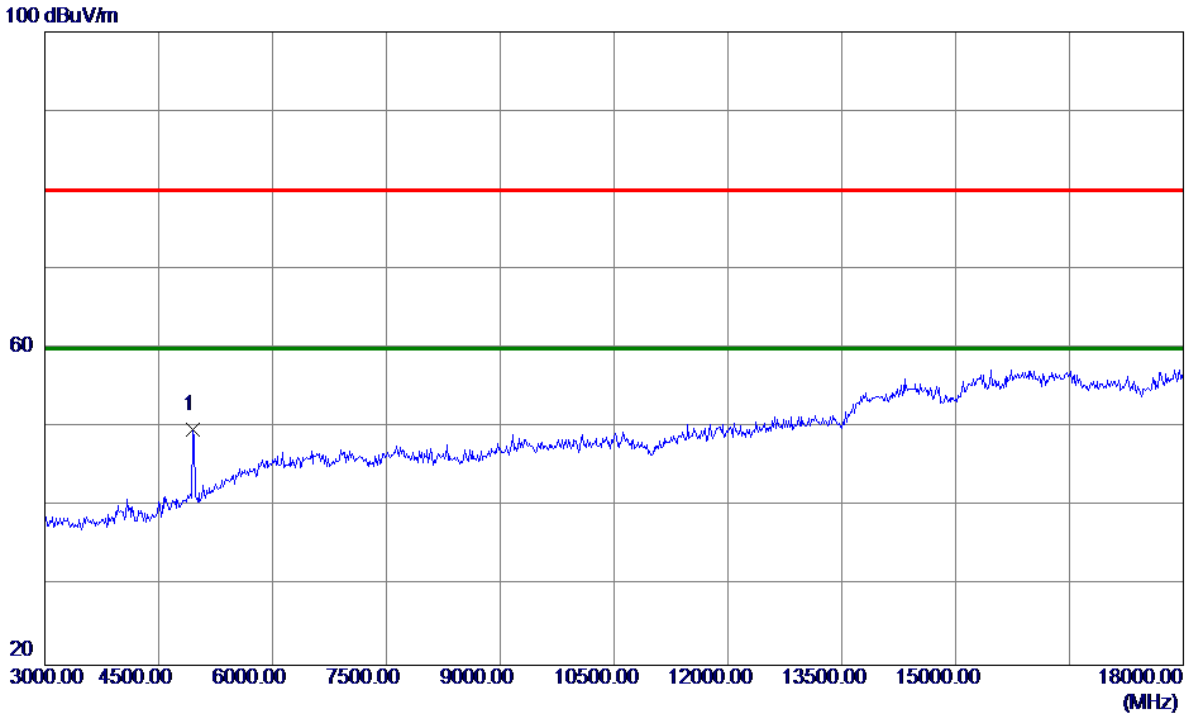
**Horizontal**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2480MHz \_CH78\_1Mbps

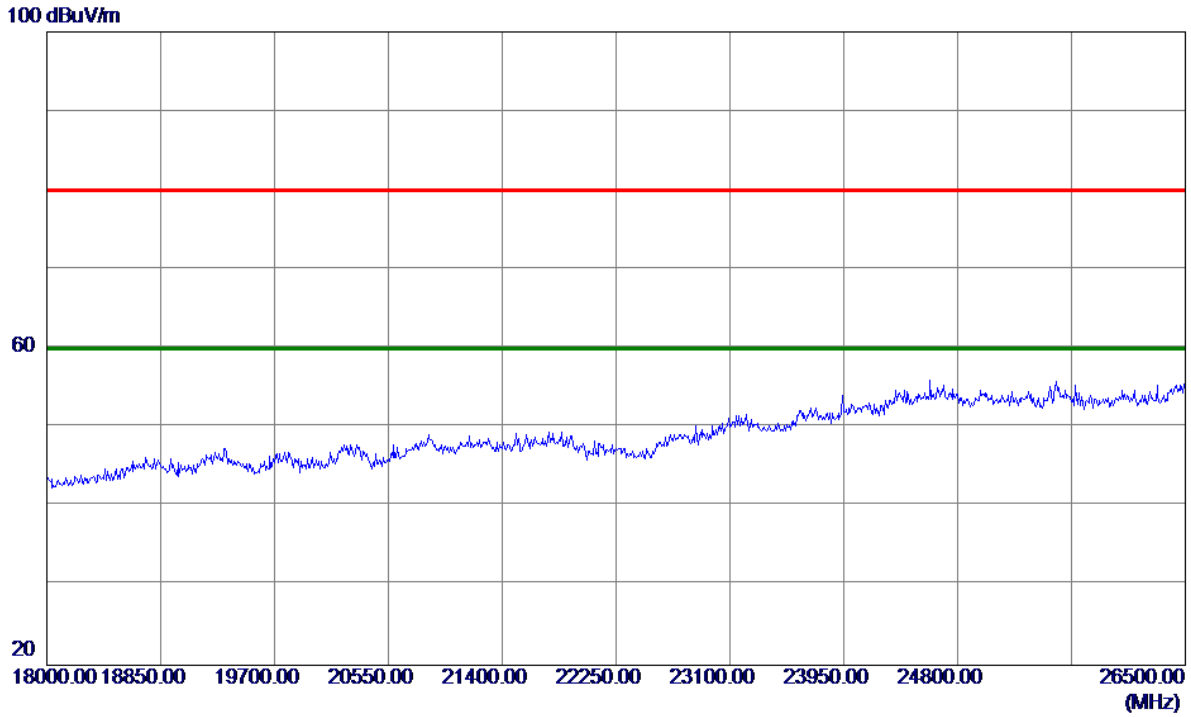
**Horizontal**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4950.0000	42.58	7.11	49.69	80.00	-30.31	Peak	

Test Mode : TX 2480MHz \_CH78\_1Mbps

Horizontal

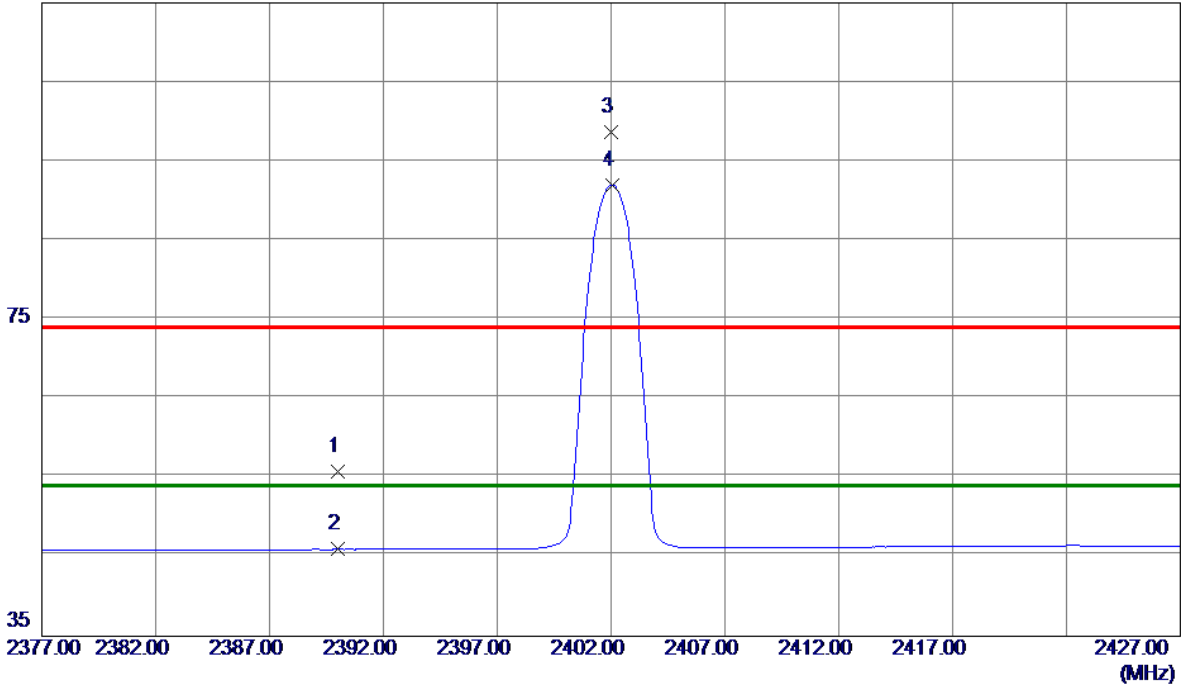


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2402MHz \_CH00\_3Mbps

**Vertical**

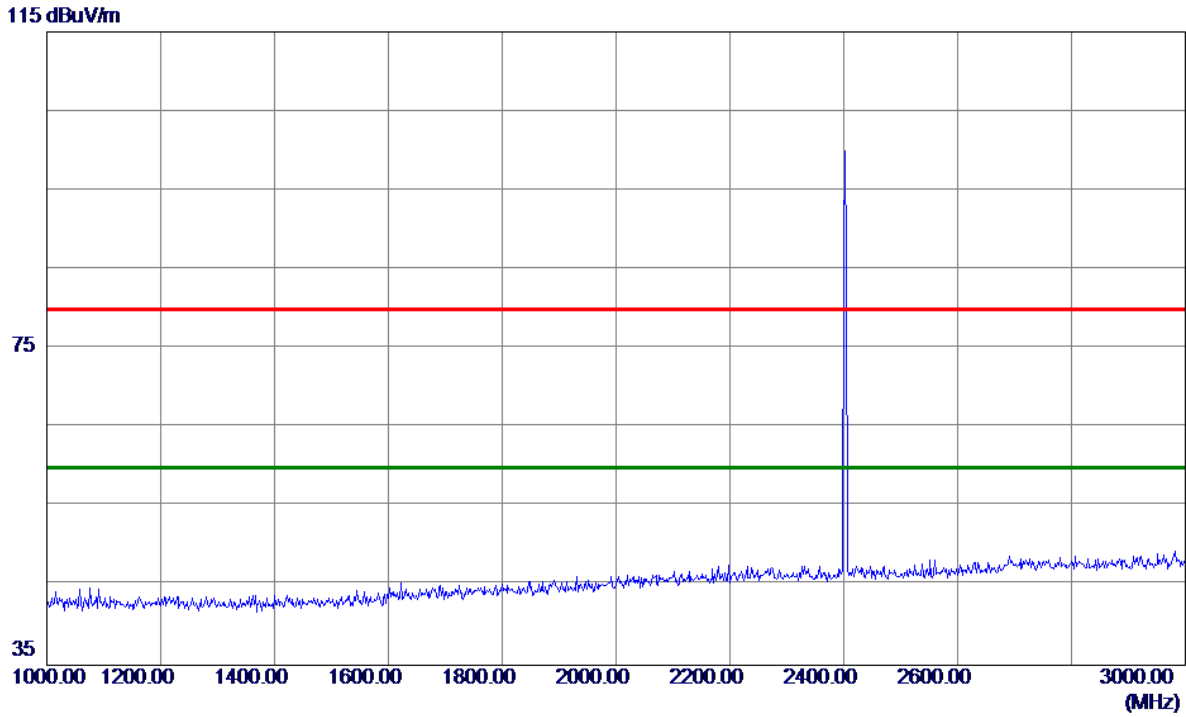
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.70	33.06	55.76	74.00	-18.24	Peak	
2	2390.0000	12.91	33.06	45.97	54.00	-8.03	AVG	
3	2402.0000	65.61	33.10	98.71	74.00	24.71	Peak	No Limit
4 *	2402.0500	58.89	33.10	91.99	54.00	37.99	AVG	No Limit

Test Mode : TX 2402MHz \_CH00\_3Mbps

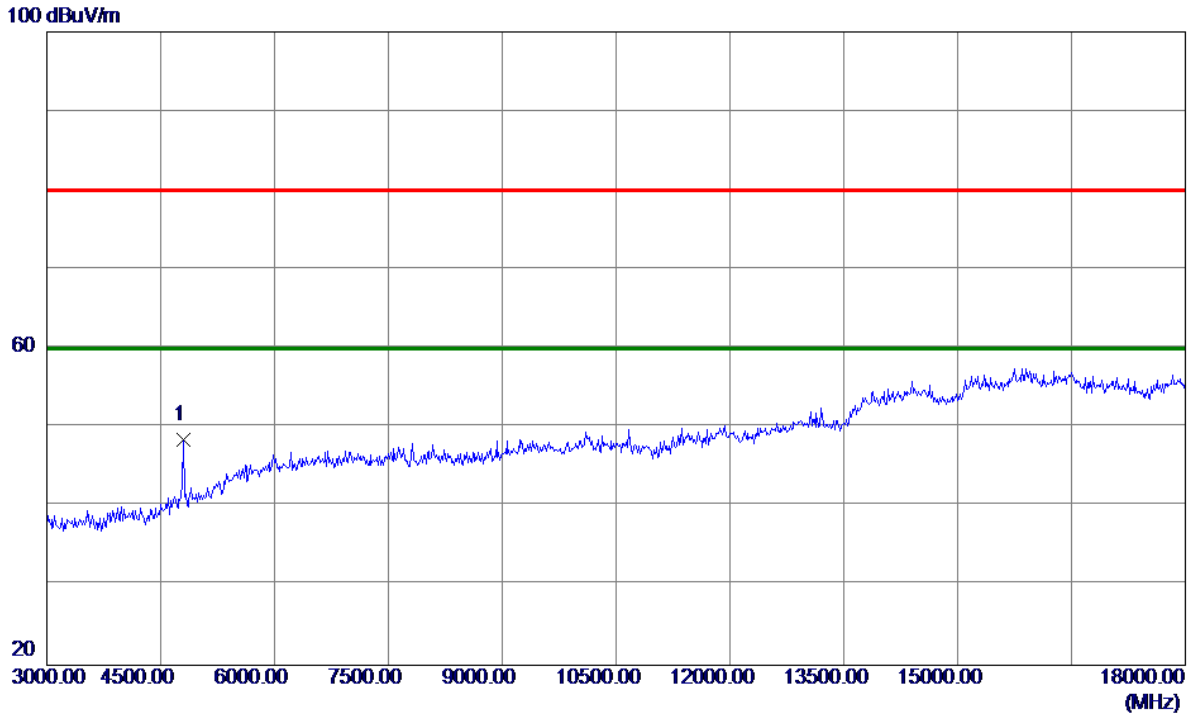
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
	2402	115		115	75	40		

Test Mode : TX 2402MHz \_CH00\_3Mbps

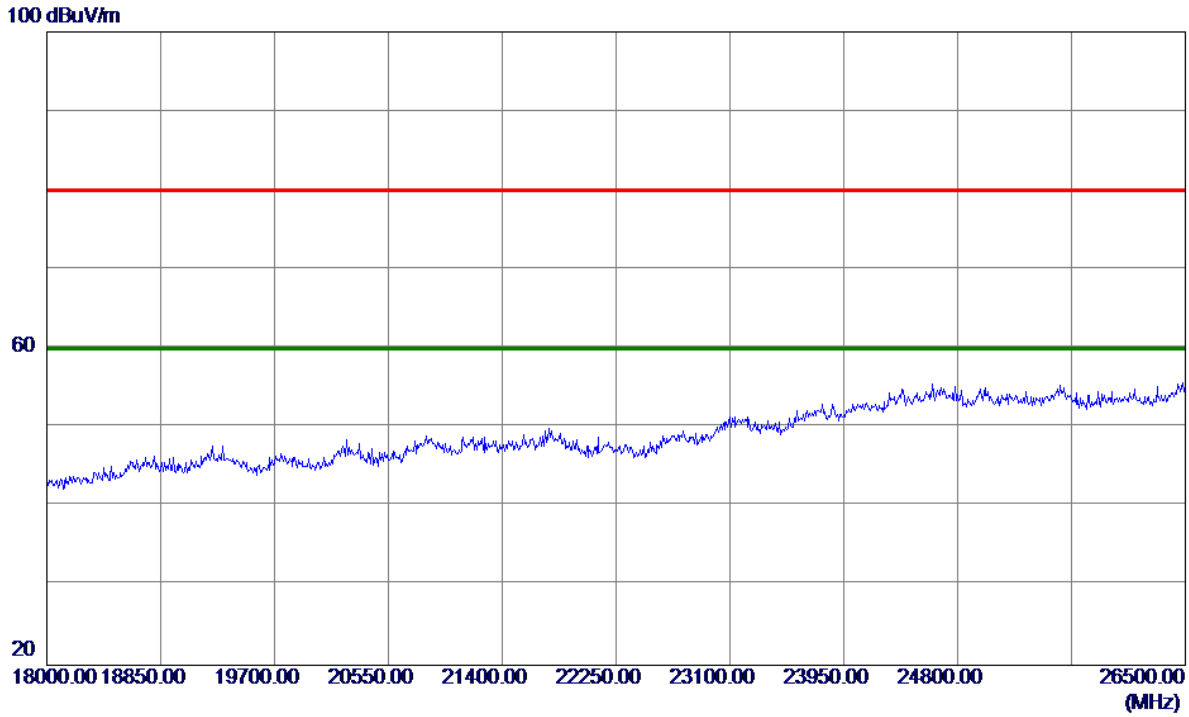
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4800.0000	41.96	6.57	48.53	80.00	-31.47	Peak	

Test Mode : TX 2402MHz \_CH00\_3Mbps

Vertical

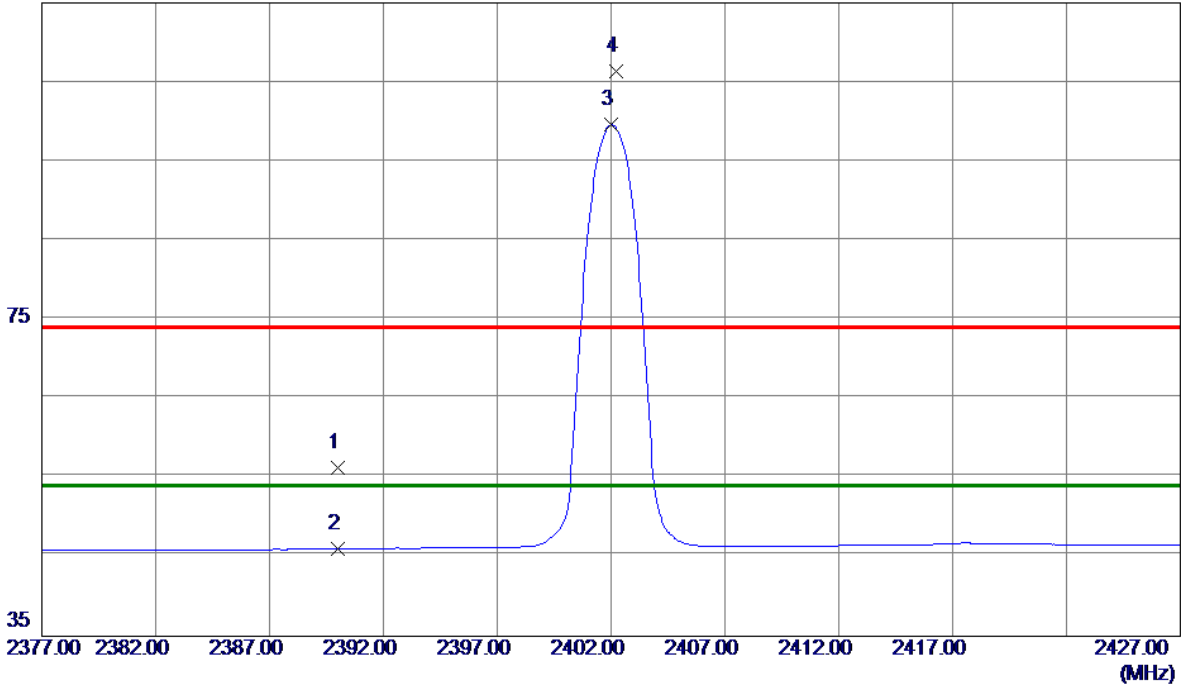


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2402MHz \_CH00\_3Mbps

**Horizontal**

115 dBuV/m

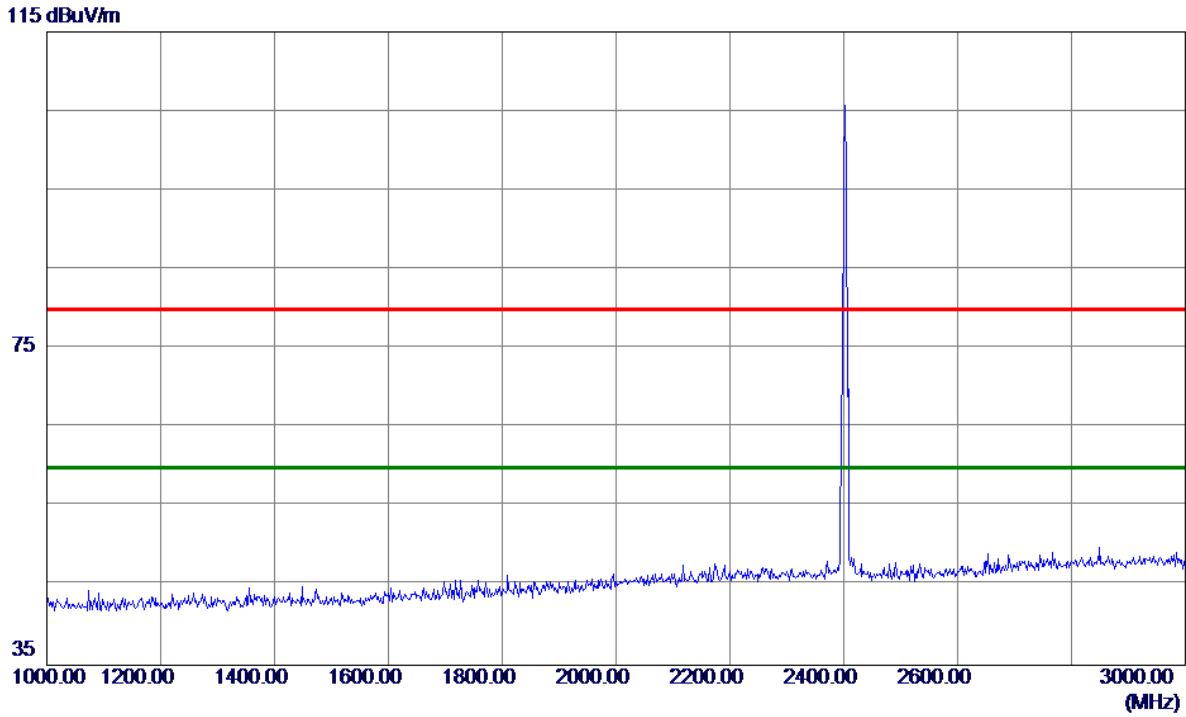


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.19	33.06	56.25	74.00	-17.75	Peak	
2	2390.0000	12.96	33.06	46.02	54.00	-7.98	AVG	
3 *	2402.0000	66.48	33.10	99.58	54.00	45.58	AVG	No Limit
4	2402.2000	73.19	33.10	106.29	74.00	32.29	Peak	No Limit



Test Mode : TX 2402MHz \_CH00\_3Mbps

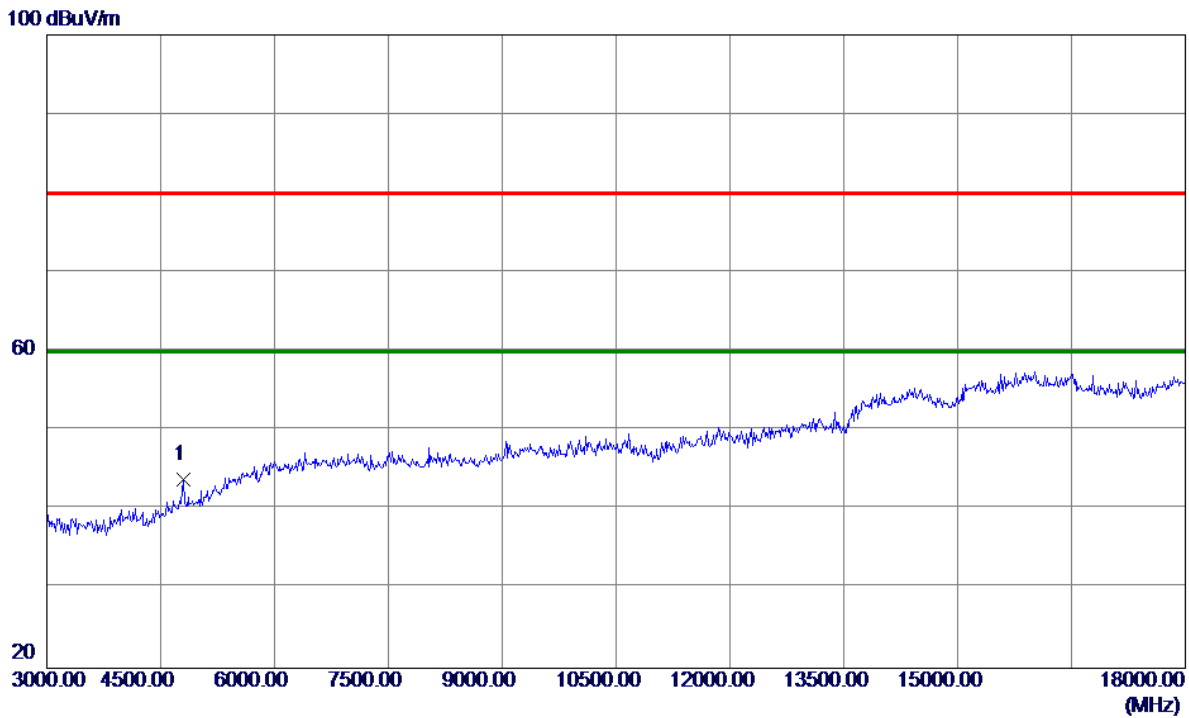
**Horizontal**



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode : TX 2402MHz \_CH00\_3Mbps

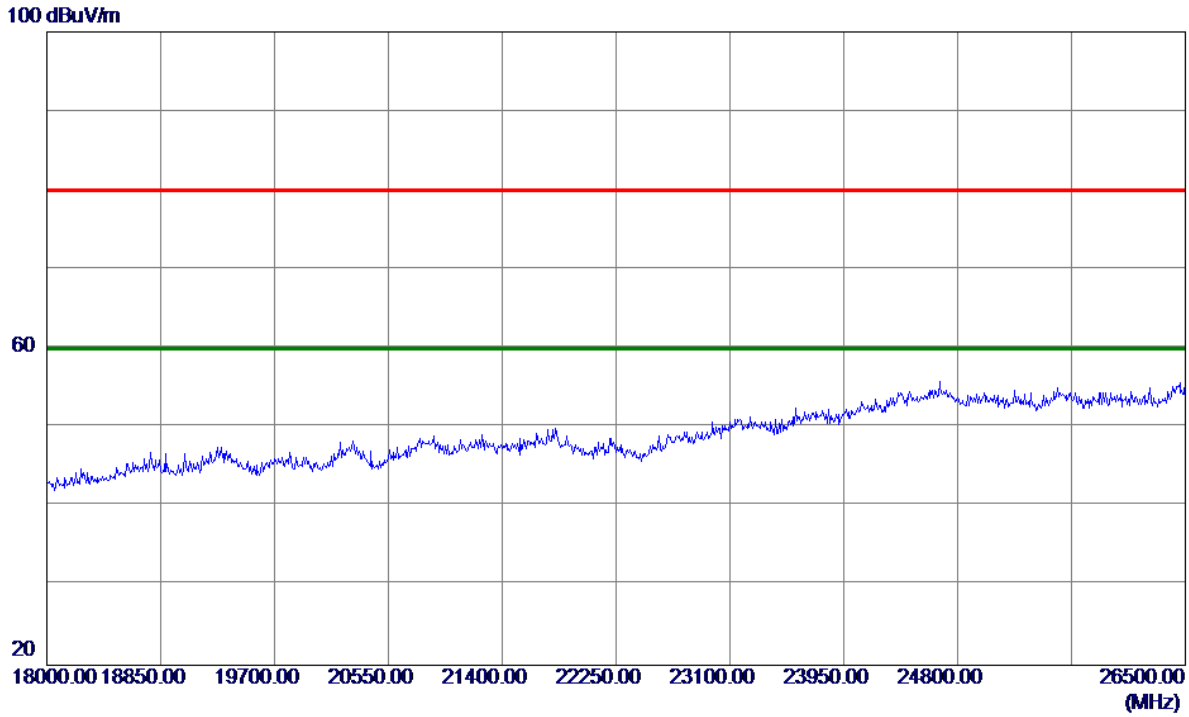
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4800.0000	37.30	6.57	43.87	80.00	-36.13	Peak	

Test Mode : TX 2402MHz \_CH00\_3Mbps

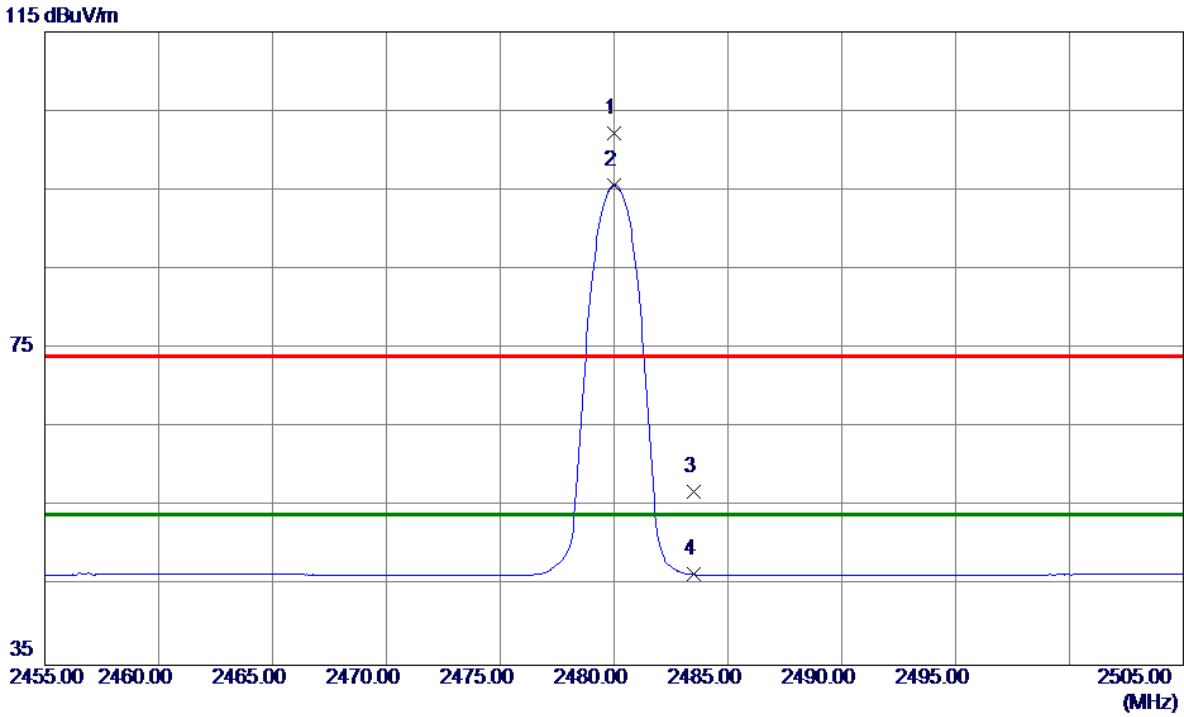
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2480MHz \_CH78\_3Mbps

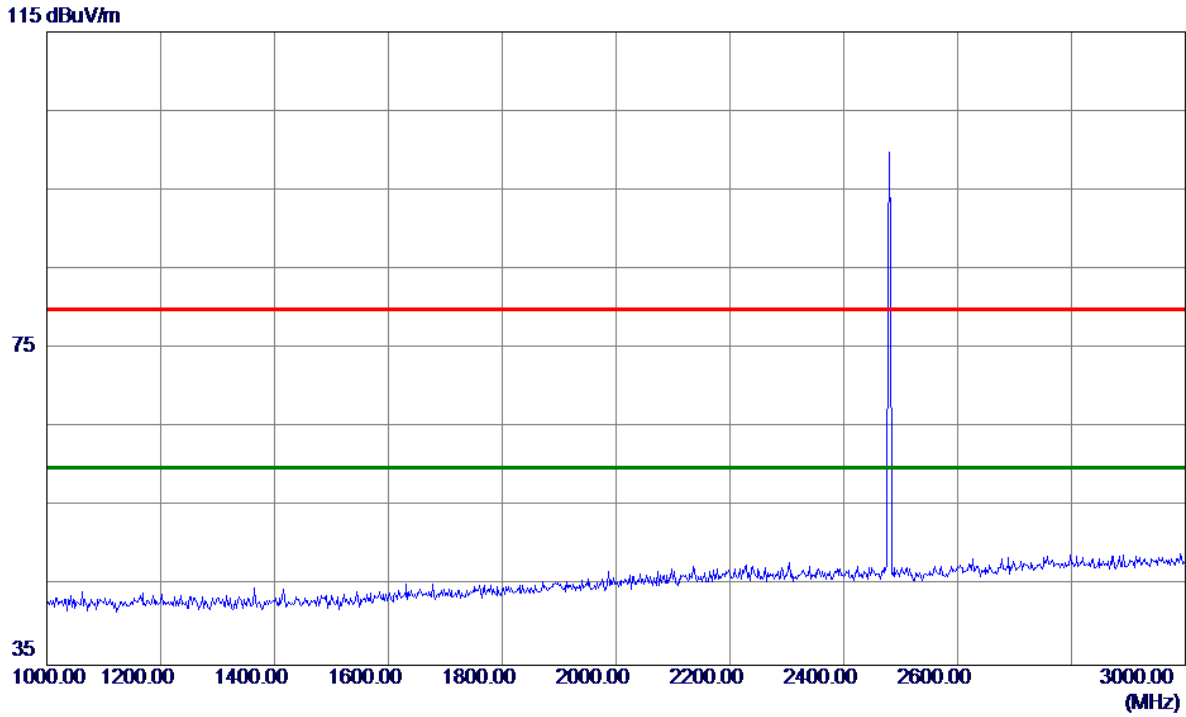
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2480.0000	68.88	33.39	102.27	74.00	28.27	Peak	No Limit
2 *	2480.0000	62.26	33.39	95.65	54.00	41.65	AVG	No Limit
3	2483.5000	23.48	33.41	56.89	74.00	-17.11	Peak	
4	2483.5000	13.05	33.41	46.46	54.00	-7.54	AVG	

Test Mode : TX 2480MHz \_CH78\_3Mbps

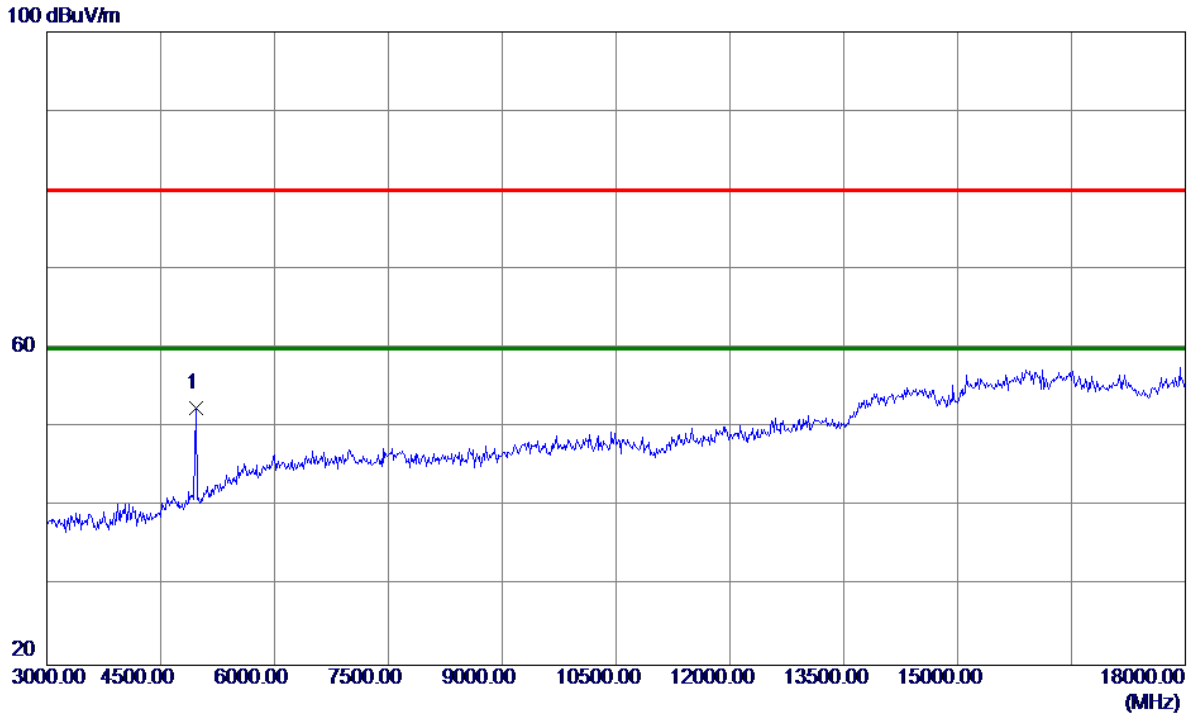
**Vertical**



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2480	115		115	75	40		

Test Mode : TX 2480MHz \_CH78\_3Mbps

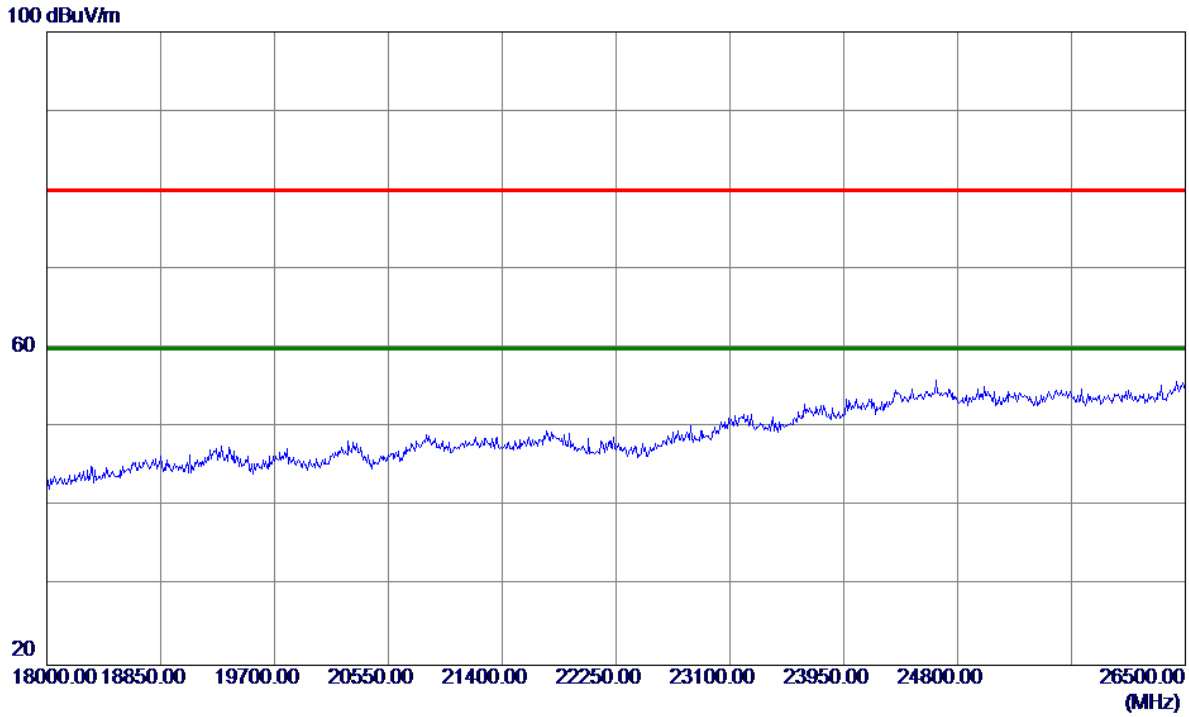
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4965.0000	45.28	7.16	52.44	80.00	-27.56	Peak	

Test Mode : TX 2480MHz \_CH78\_3Mbps

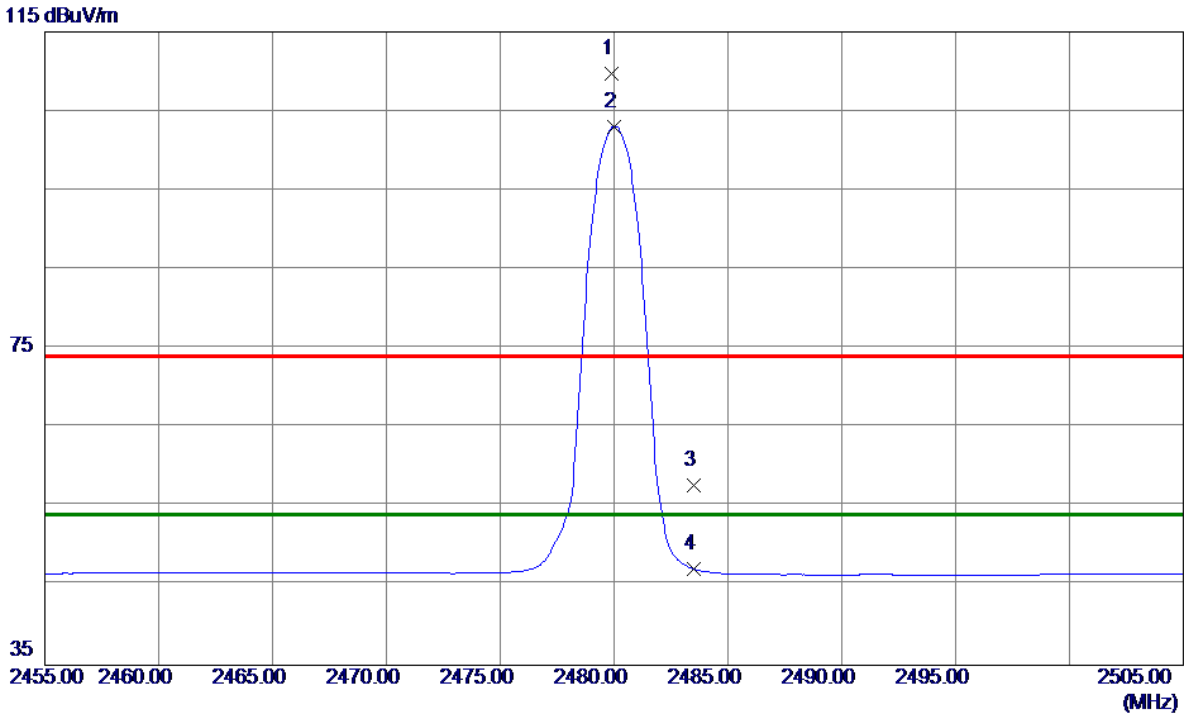
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2480MHz \_CH78\_3Mbps

**Horizontal**

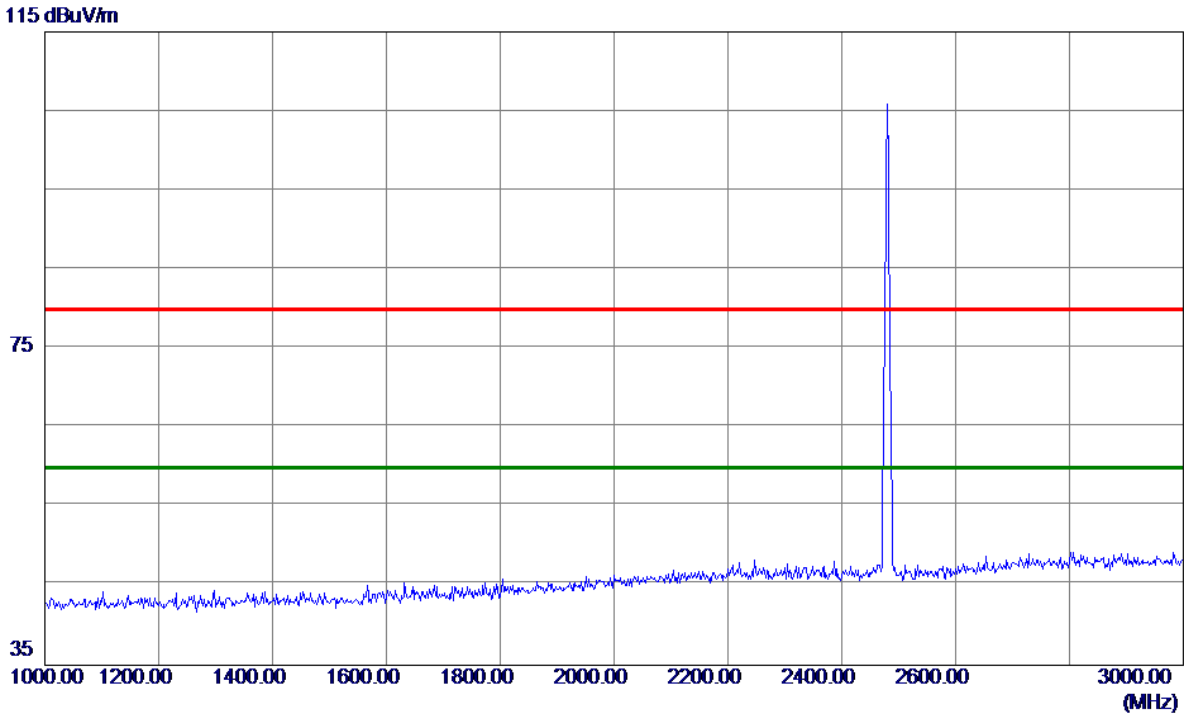


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2479.9000	76.26	33.39	109.65	74.00	35.65	Peak	No Limit
2 *	2480.0000	69.64	33.39	103.03	54.00	49.03	AVG	No Limit
3	2483.5000	24.38	33.41	57.79	74.00	-16.21	Peak	
4	2483.5000	13.75	33.41	47.16	54.00	-6.84	AVG	



Test Mode : TX 2480MHz \_CH78\_3Mbps

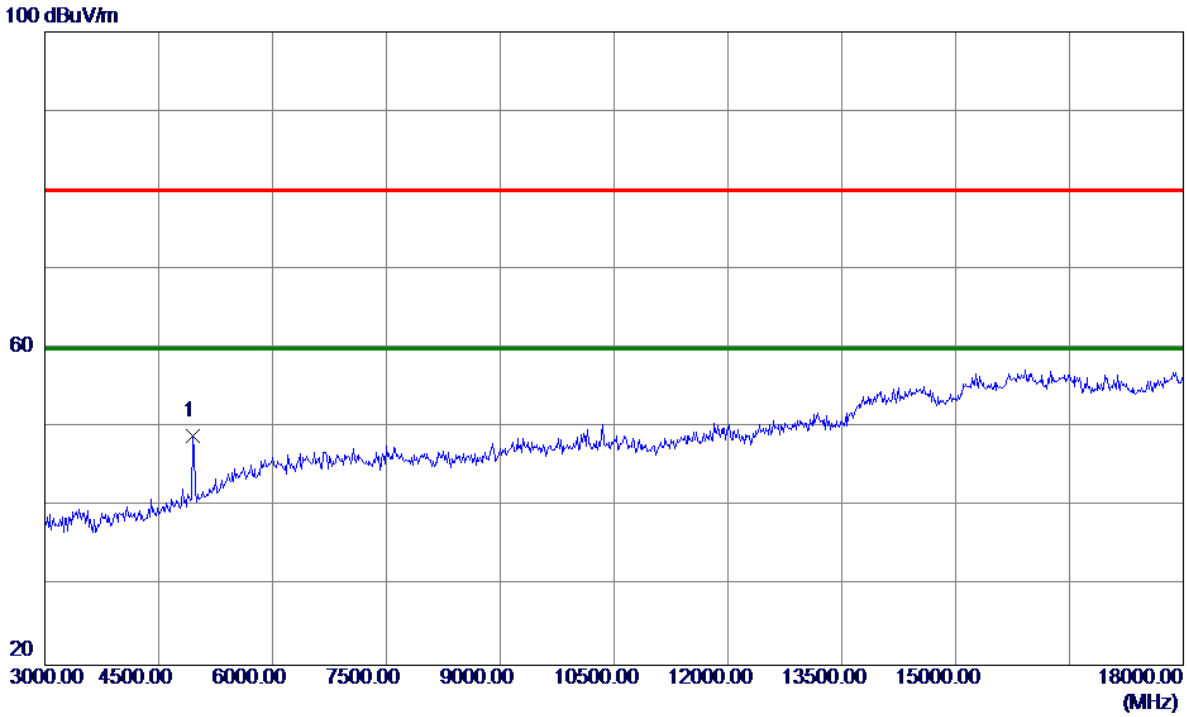
**Horizontal**



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode : TX 2480MHz \_CH78\_3Mbps

**Horizontal**

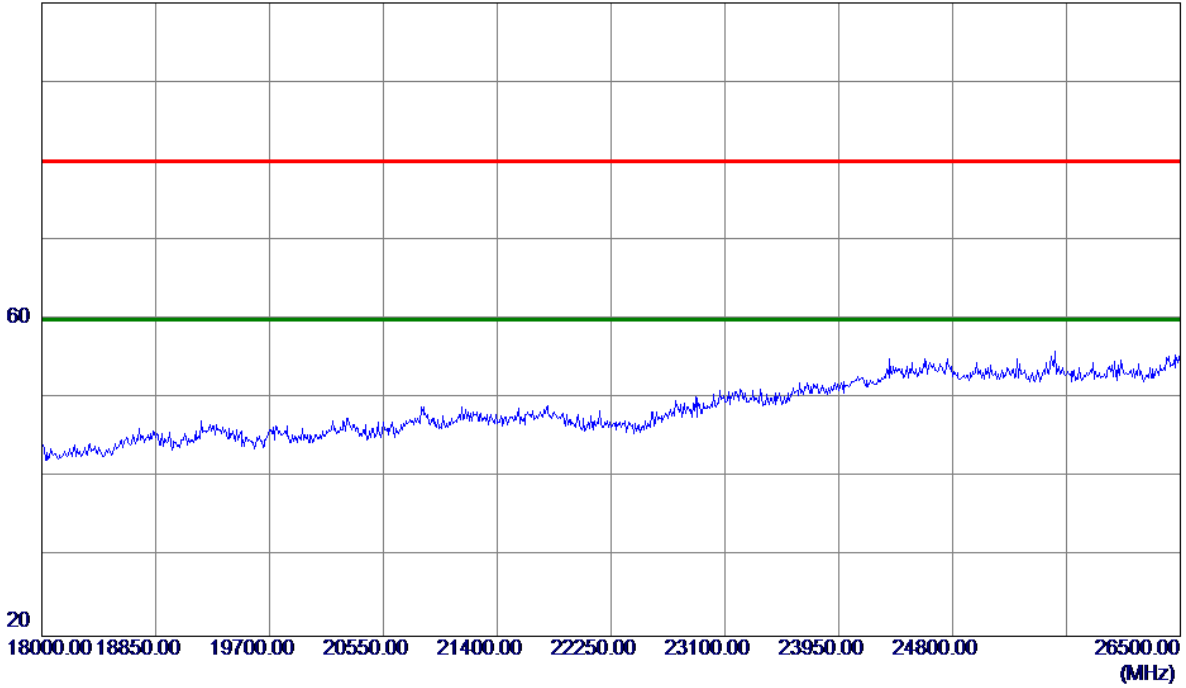


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4950.0000	41.87	7.11	48.98	80.00	-31.02	Peak	

Test Mode : TX 2480MHz \_CH78\_3Mbps

Horizontal

100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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