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)

Technical Manager : (David Mao)

Authorized Signatory : (Steven Lu)

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NVLAP® TESTING NVLAP LAB CODE 200788-0

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-2-1711C150	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-2-1711C150) 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 LE RSE part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C			
Standard(s) Section	Test Item	Judgment	Remark
15.247(d)/ 15.205/ 15.209	Transmitter Radiated Emissions	PASS	

NOTE:

(1)" N/A" denotes test is not applicable to this device.

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	
Product Description	Operation Frequency	2402~2480 MHz
	Modulation Technology	GFSK(1Mbps)
	Bit Rate of Transmitter	
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:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. 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
	HUIZHOU BYD ELECTRONIC CO.,LTD	HW-059200BHQ HW-059200AHQ HW-059200UHQ

3. Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

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 **NOTE (1)**

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

For Radiated Test	
Final Test Mode	Description
Mode 1	TX Mode **NOTE (1)**

Note:

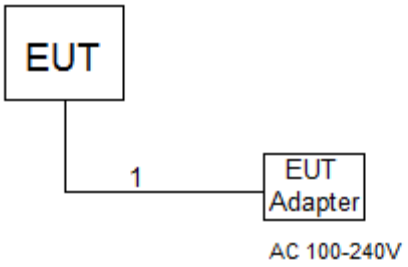
(1) The measurements are performed at the high, low available channels.

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 BT LE

Test Software Version	BluetoothRfTest_APK_7.0		
Frequency (MHz)	2402	2440	2480
BT LE	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

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.

LIMITS OF RADIATED EMISSION MEASUREMENT (9KHz-1000MHz)

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)	Band edge at 3m (dBµV/m)		Harmonic at 1.5m (dBµV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	80 (Note 5)	60(Note 5)

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

(5)

$$FS_{\text{limit}} = FS_{\max} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

20log d limit/d measure=20log 3/1.5=6dB.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	RBW 1MHz VBW 3MHz peak detector for Pk value RMS detector for AV value

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

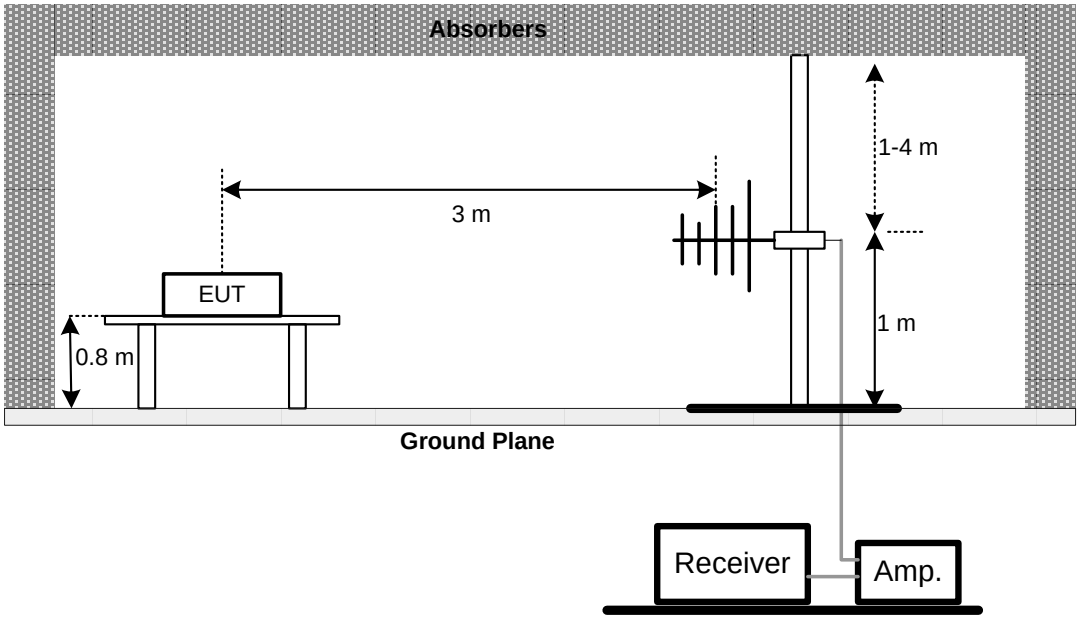
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m or 1.5m 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

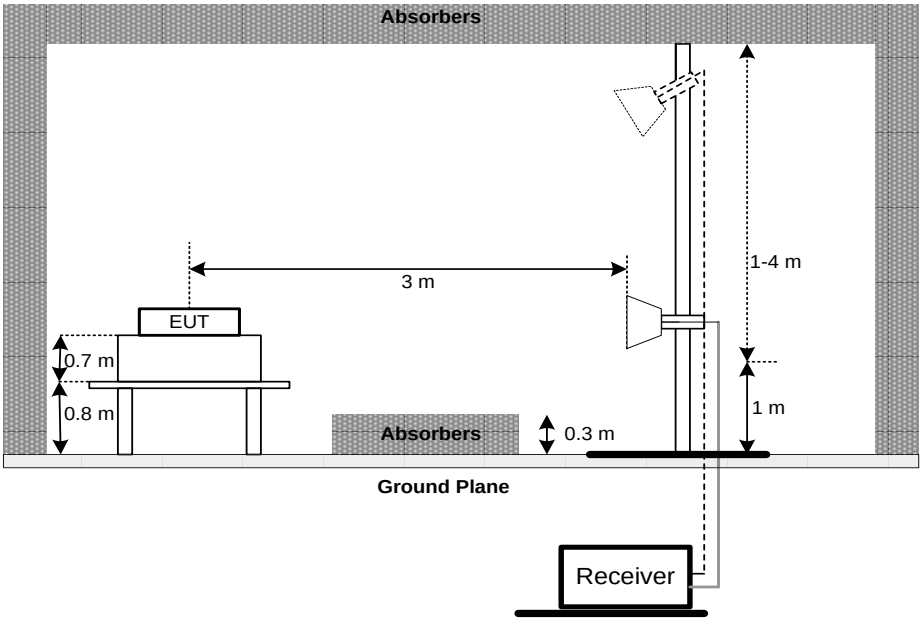
4.1.4 TEST SETUP

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

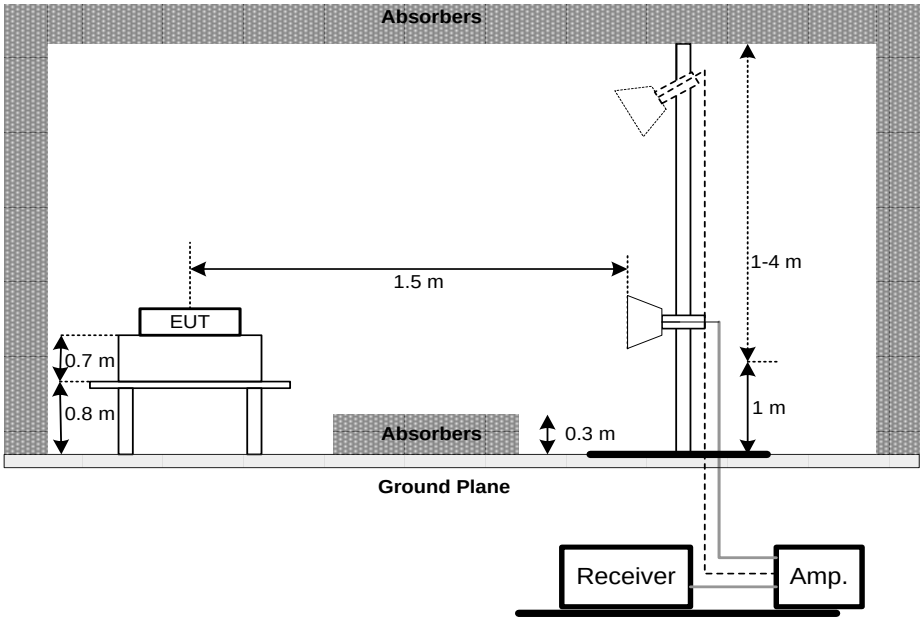


(B) Radiated Emission Test Set-Up Frequency Above 1 GHz

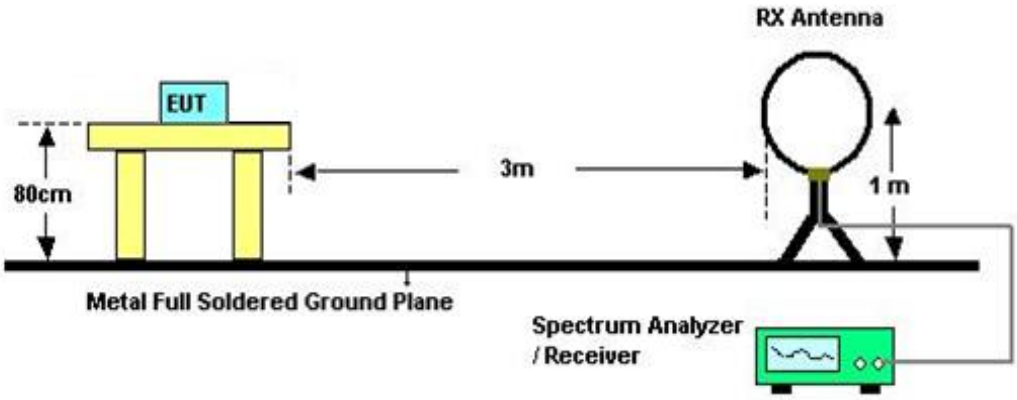
Band edge



Harmonic



(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: 22°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

4.1.7TEST 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 (specific distance / test distance) (dB).
(3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.1.8TEST RESULTS (30MHZ TO 1000MHZ)

Please refer to the Appendix B.

4.1.9TEST 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-1 GHz)(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

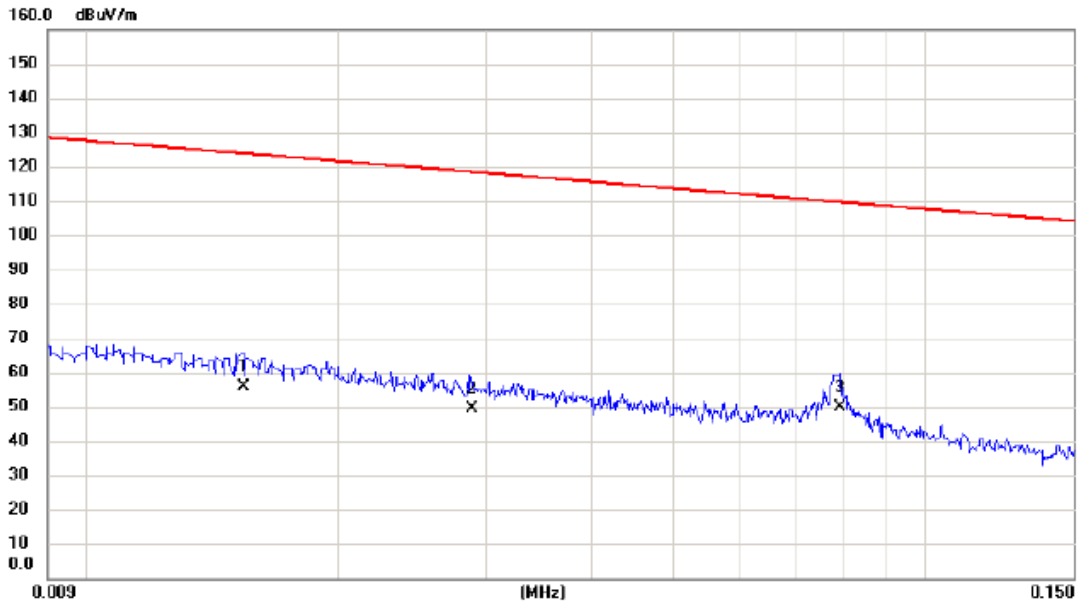
Radiated Emission Measurement - Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 26, 2018
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 08, 2018
3	Amplifier	Agilent	8449B	3008A02274	May. 16, 2018
4	Microwave Preamplifier 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 TO 30MHZ)

Test Mode:	TX Mode (Adapter: Salcomp)

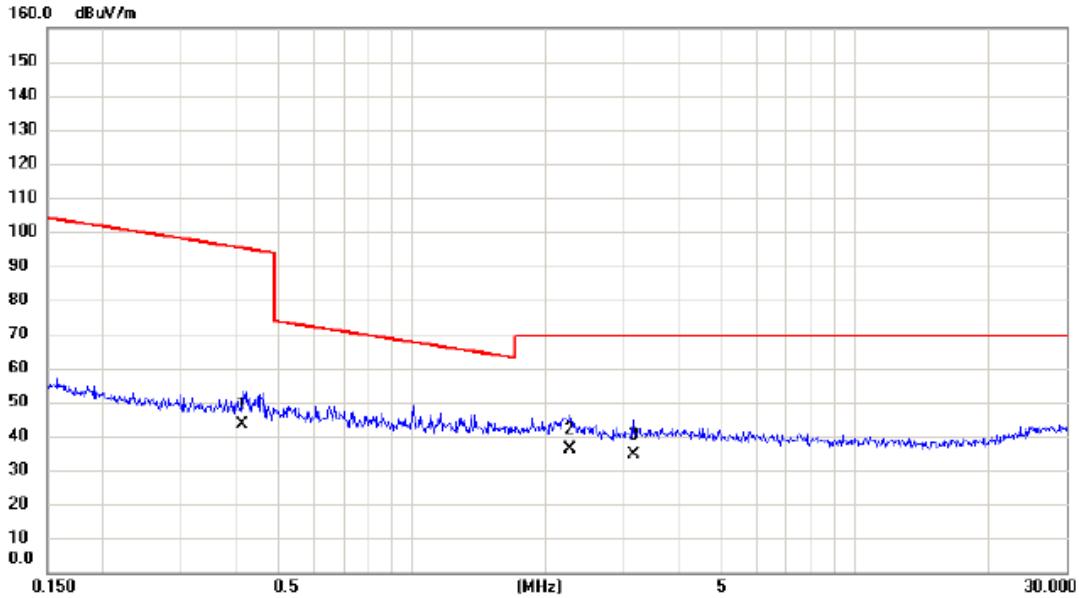
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	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)

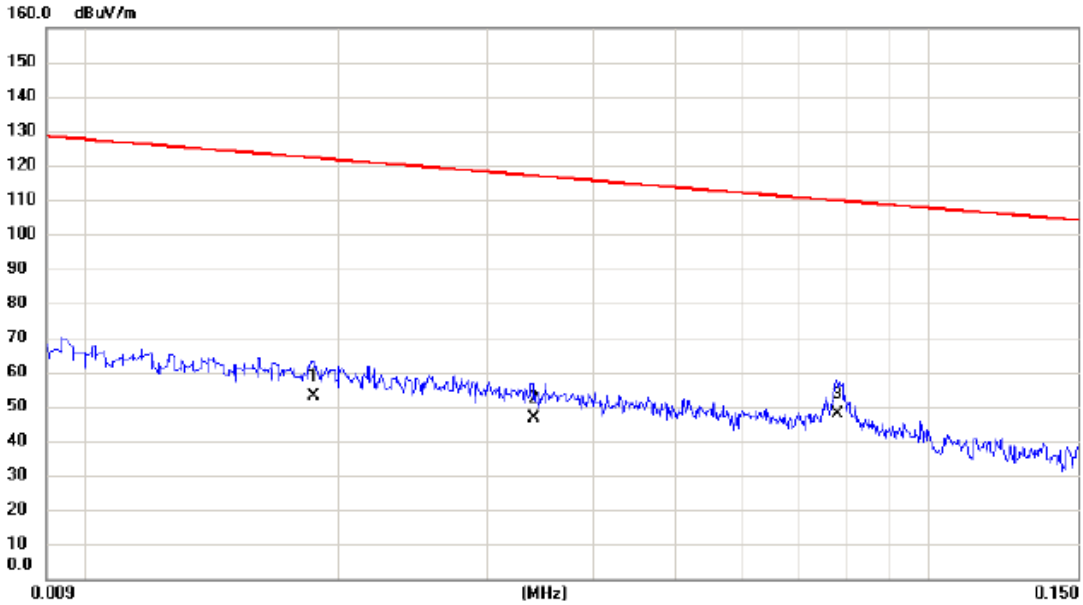
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	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)

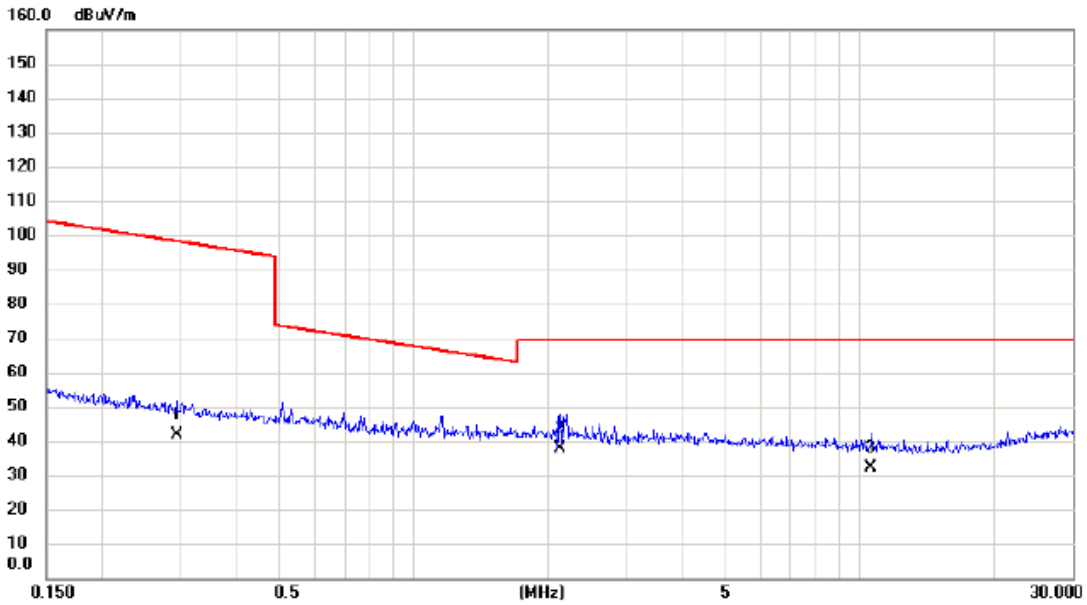
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	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)

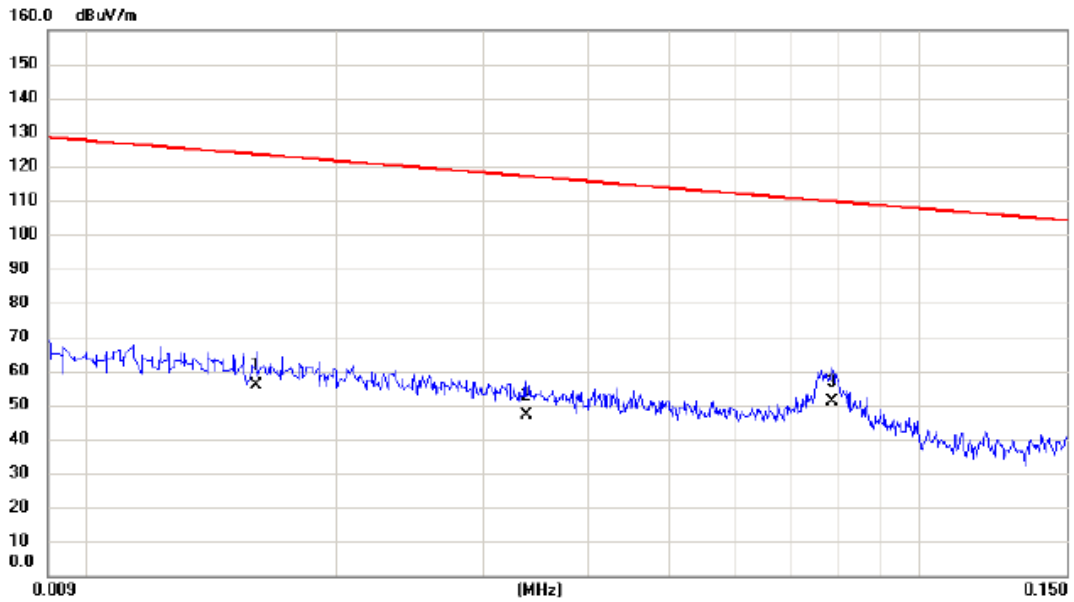
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	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)

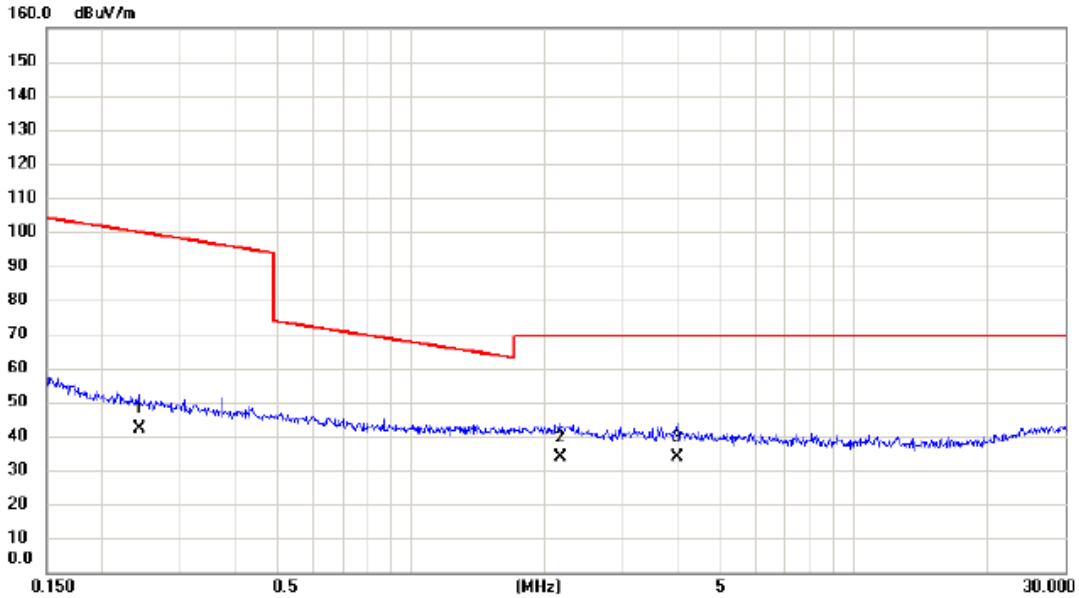
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	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)

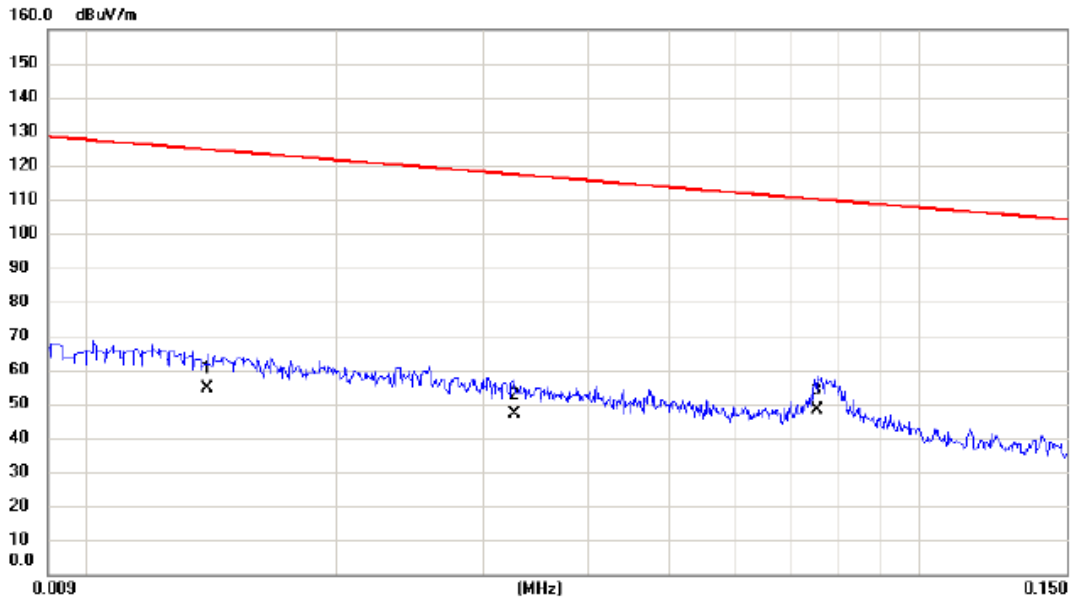
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	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)

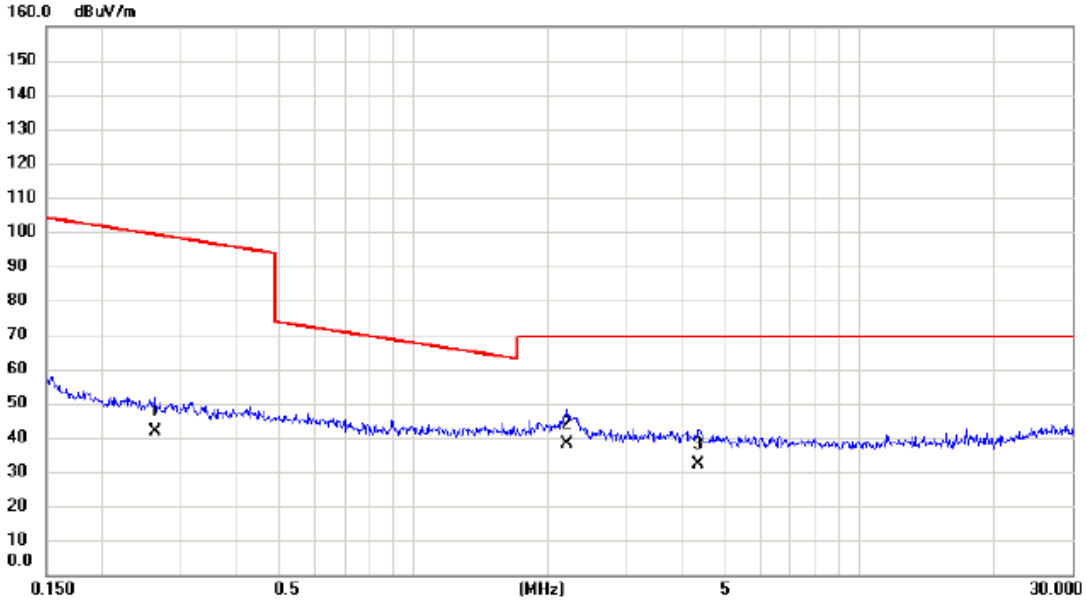
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	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°

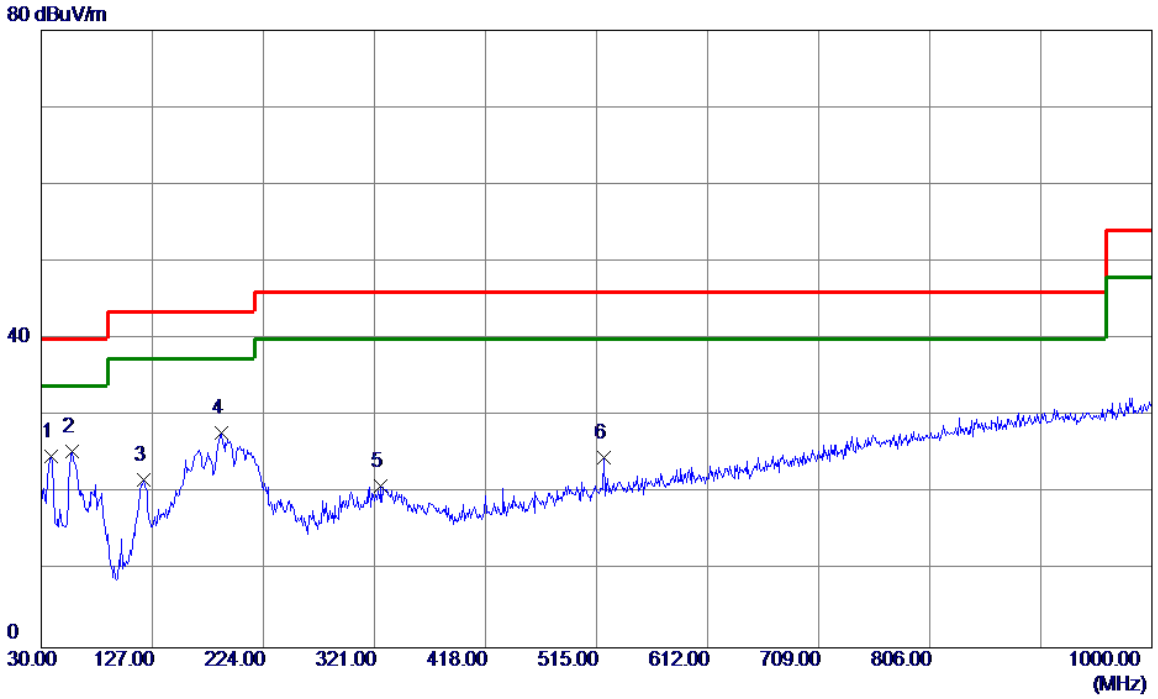


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2630	25.26	16.65	41.91	99.21	-57.30	AVG	
2	*	2.2131	22.58	15.45	38.03	69.54	-31.51	QP	
3		4.3606	17.28	14.74	32.02	69.54	-37.52	QP	

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

Test Mode:	TX 2402MHz _CH00_1Mbps (Adapter: Salcomp)

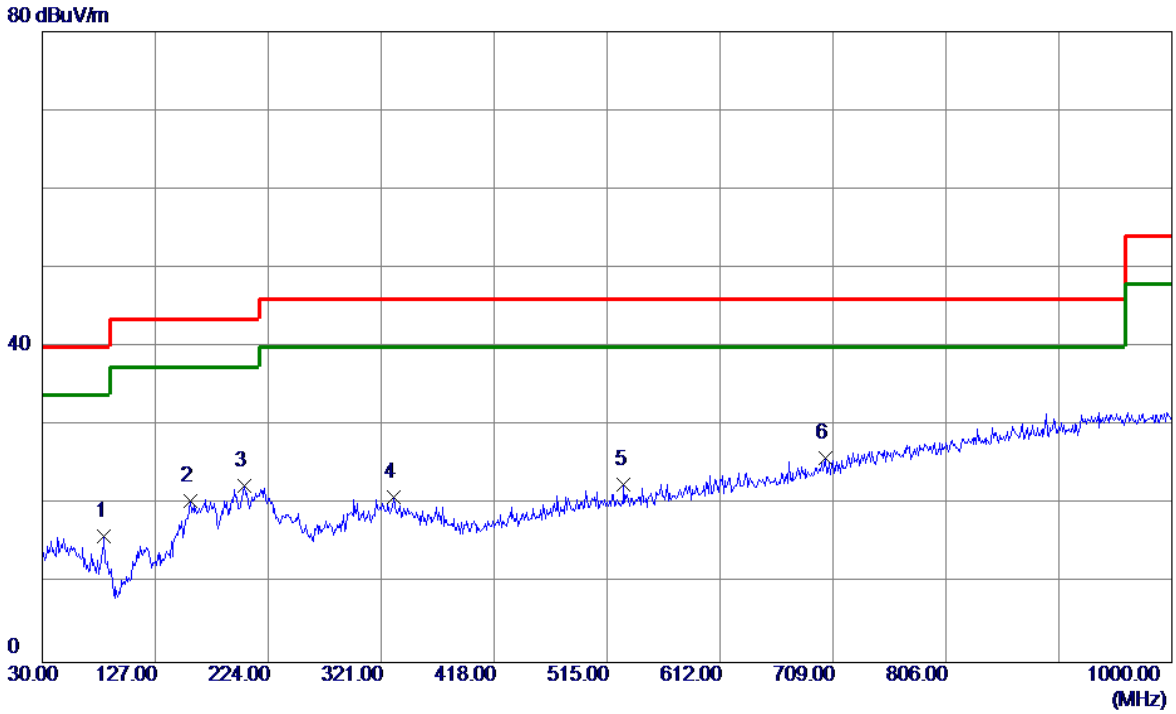
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38.7300	38.97	-14.16	24.81	40.00	-15.19	Peak	
2 *	57.1600	39.45	-14.04	25.41	40.00	-14.59	Peak	
3	119.2400	37.18	-15.46	21.72	43.50	-21.78	Peak	
4	187.1400	40.50	-12.61	27.89	43.50	-15.61	Peak	
5	326.8200	33.25	-12.36	20.89	46.00	-25.11	Peak	
6	521.7900	32.98	-8.28	24.70	46.00	-21.30	Peak	

Test Mode:	TX 2402MHz _CH00_1Mbps (Adapter: Salcomp)

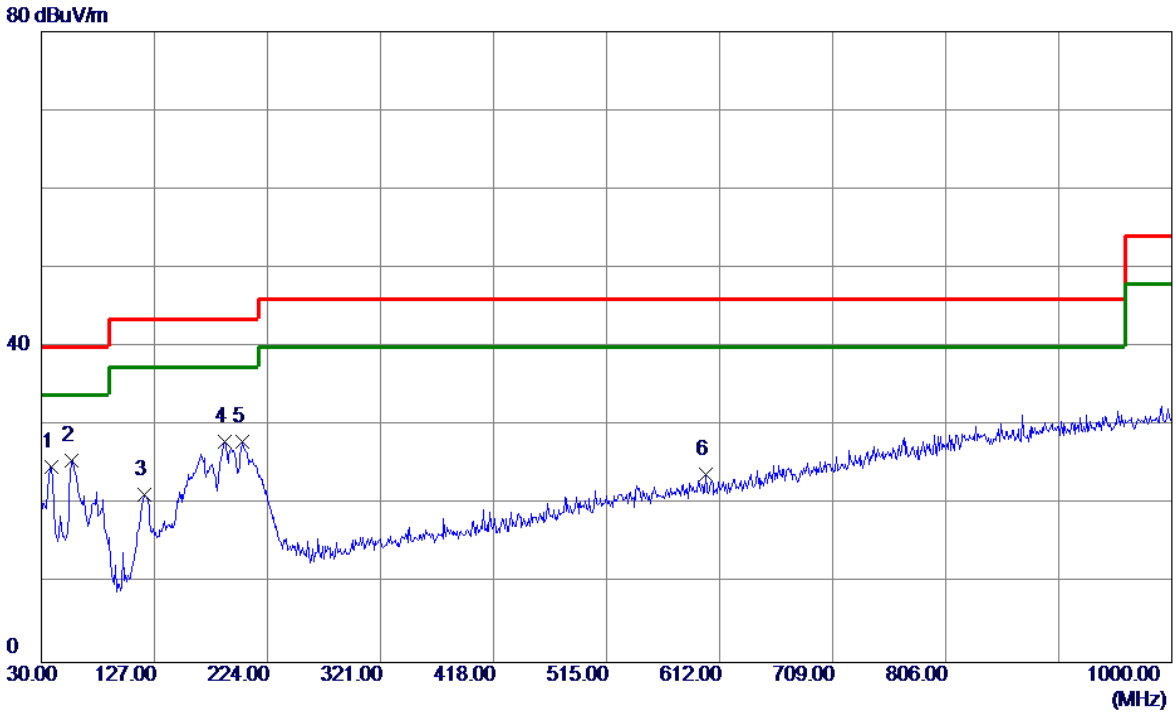
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	83.3500	34.36	-18.34	16.02	40.00	-23.98	Peak	
2	157.0700	33.60	-13.10	20.50	43.50	-23.00	Peak	
3	203.6300	36.28	-13.83	22.45	43.50	-21.05	Peak	
4	331.6700	33.21	-12.28	20.93	46.00	-25.07	Peak	
5	529.5500	30.69	-8.13	22.56	46.00	-23.44	Peak	
6 *	702.2100	29.76	-3.87	25.89	46.00	-20.11	Peak	

Test Mode:	TX 2480MHz _CH39_1Mbps (Adapter: Salcomp)

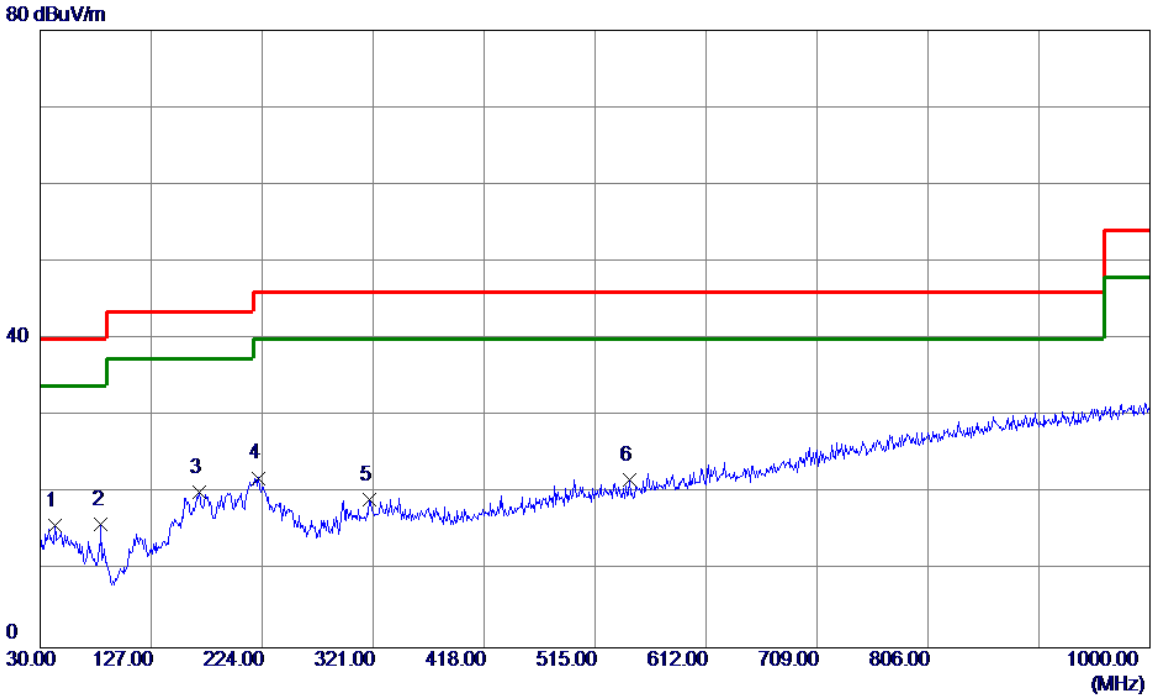
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38.7300	38.96	-14.16	24.80	40.00	-15.20	Peak	
2 *	56.1900	39.61	-13.95	25.66	40.00	-14.34	Peak	
3	118.2700	36.79	-15.53	21.26	43.50	-22.24	Peak	
4	187.1400	40.55	-12.61	27.94	43.50	-15.56	Peak	
5	202.6600	41.81	-13.81	28.00	43.50	-15.50	Peak	
6	600.3600	30.24	-6.41	23.83	46.00	-22.17	Peak	

Test Mode:	TX 2480MHz _CH39_1Mbps (Adapter: Salcomp)

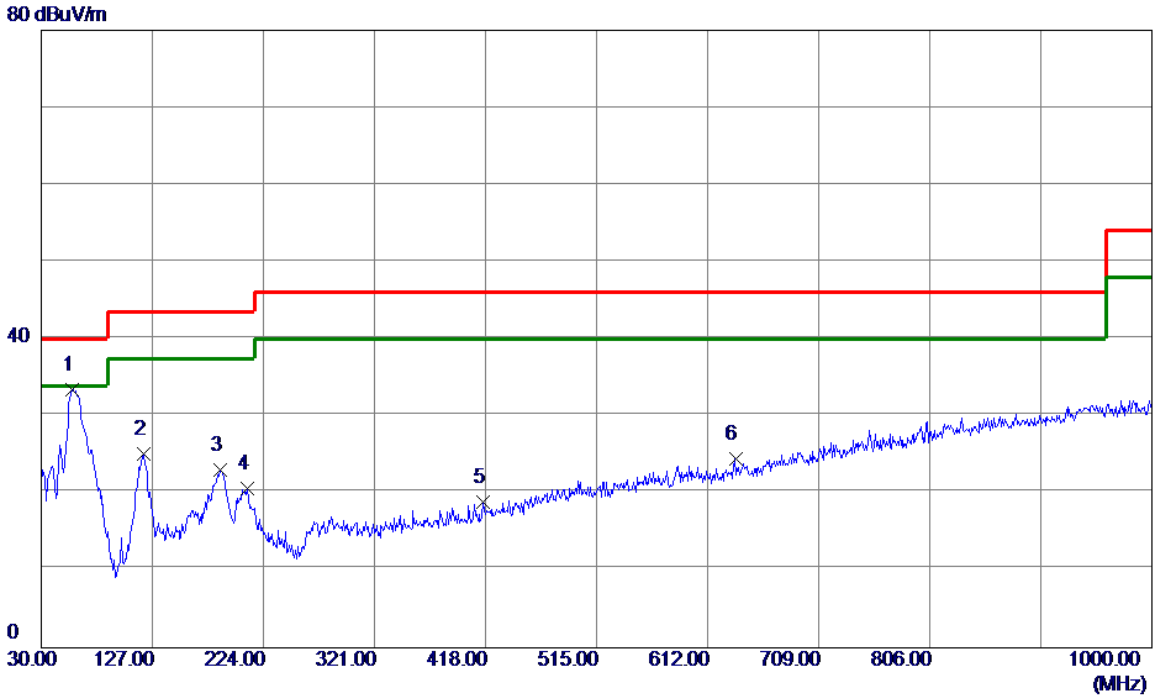
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	42.6100	29.40	-13.60	15.80	40.00	-24.20	Peak	
2	83.3500	34.36	-18.34	16.02	40.00	-23.98	Peak	
3 *	168.7100	32.52	-12.41	20.11	43.50	-23.39	Peak	
4	221.0900	35.93	-13.93	22.00	46.00	-24.00	Peak	
5	318.0900	31.78	-12.51	19.27	46.00	-26.73	Peak	
6	545.0700	29.63	-7.81	21.82	46.00	-24.18	Peak	

Test Mode:	TX 2402MHz_CH00_1Mbps (Adapter: BYD)

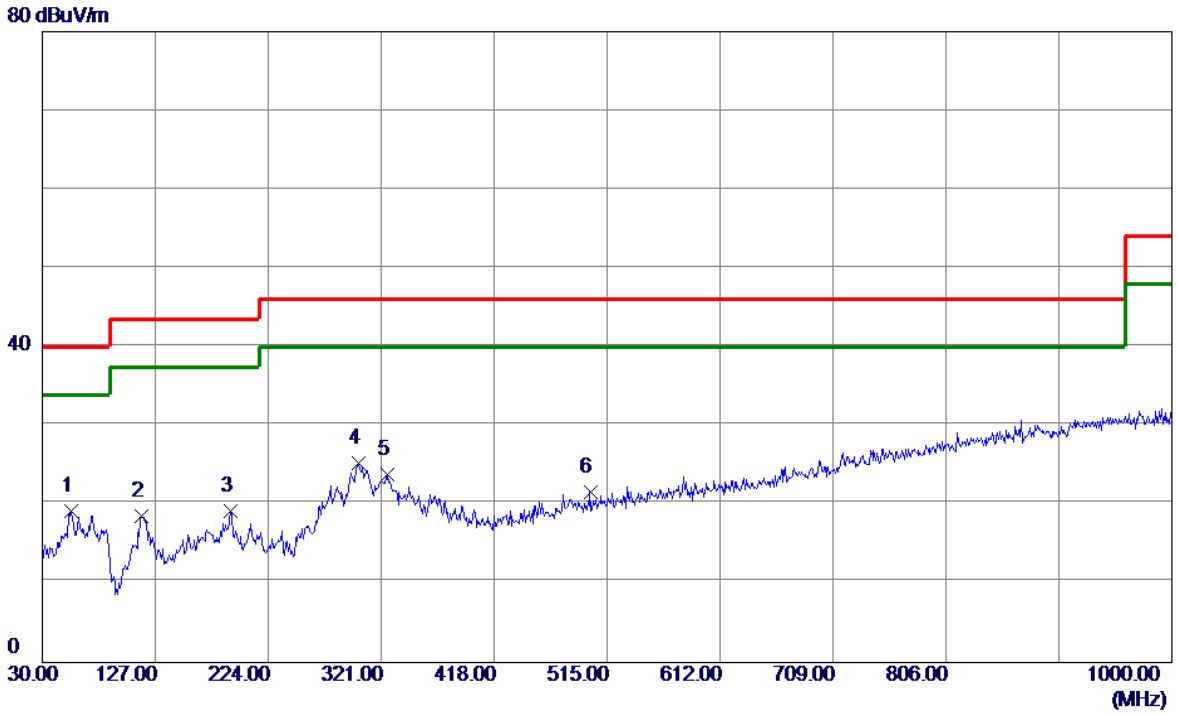
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	57.1600	47.52	-14.04	33.48	40.00	-6.52	Peak	
2	119.2400	40.62	-15.46	25.16	43.50	-18.34	Peak	
3	186.1700	35.59	-12.54	23.05	43.50	-20.45	Peak	
4	210.4200	34.62	-13.97	20.65	43.50	-22.85	Peak	
5	416.0600	29.82	-10.90	18.92	46.00	-27.08	Peak	
6	636.2500	30.28	-5.73	24.55	46.00	-21.45	Peak	

Test Mode:	TX 2402MHz_CH00_1Mbps (Adapter: BYD)

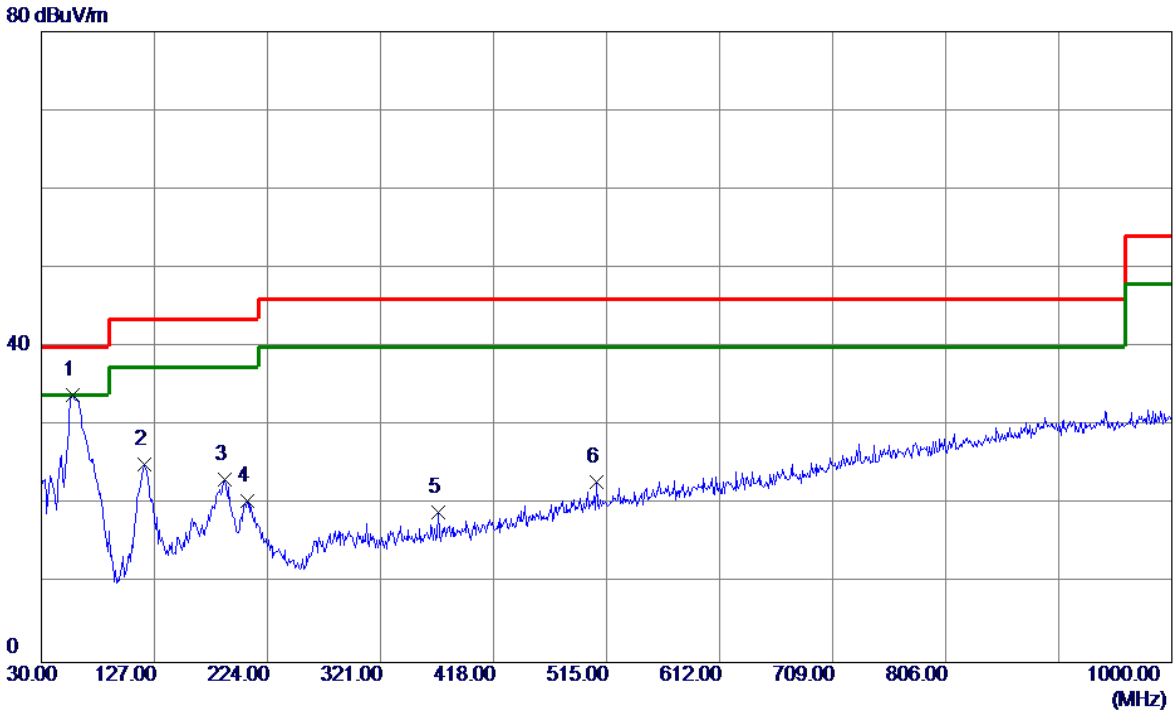
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	55.2200	33.13	-13.94	19.19	40.00	-20.81	Peak	
2	115.3600	34.31	-15.77	18.54	43.50	-24.96	Peak	
3	191.9900	32.20	-13.03	19.17	43.50	-24.33	Peak	
4 *	301.6000	38.08	-12.80	25.28	46.00	-20.72	Peak	
5	326.8200	36.18	-12.36	23.82	46.00	-22.18	Peak	
6	500.4500	30.37	-8.71	21.66	46.00	-24.34	Peak	

Test Mode:	TX 2480MHz_CH39_1Mbps (Adapter: BYD)

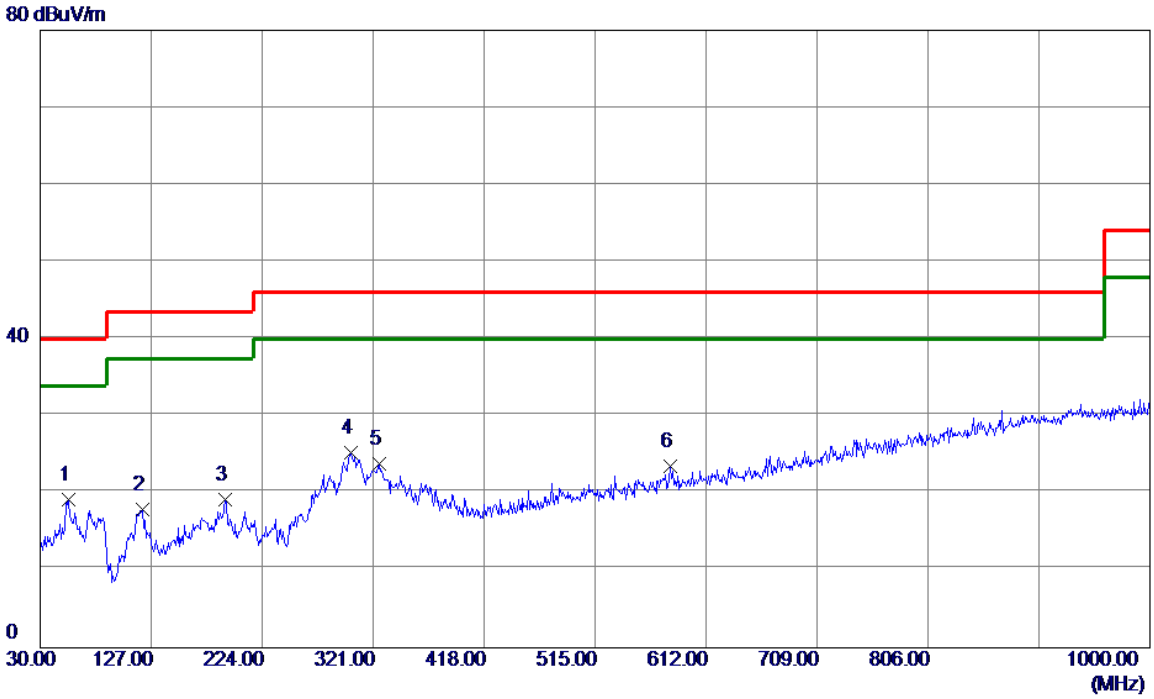
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	57.1600	48.03	-14.04	33.99	40.00	-6.01	Peak	
2	118.2700	40.59	-15.53	25.06	43.50	-18.44	Peak	
3	187.1400	35.79	-12.61	23.18	43.50	-20.32	Peak	
4	206.5399	34.31	-13.90	20.41	43.50	-23.09	Peak	
5	370.4700	30.69	-11.71	18.98	46.00	-27.02	Peak	
6	506.2700	31.44	-8.59	22.85	46.00	-23.15	Peak	

Test Mode:	TX 2480MHz_CH39_1Mbps (Adapter: BYD)

Horizontal

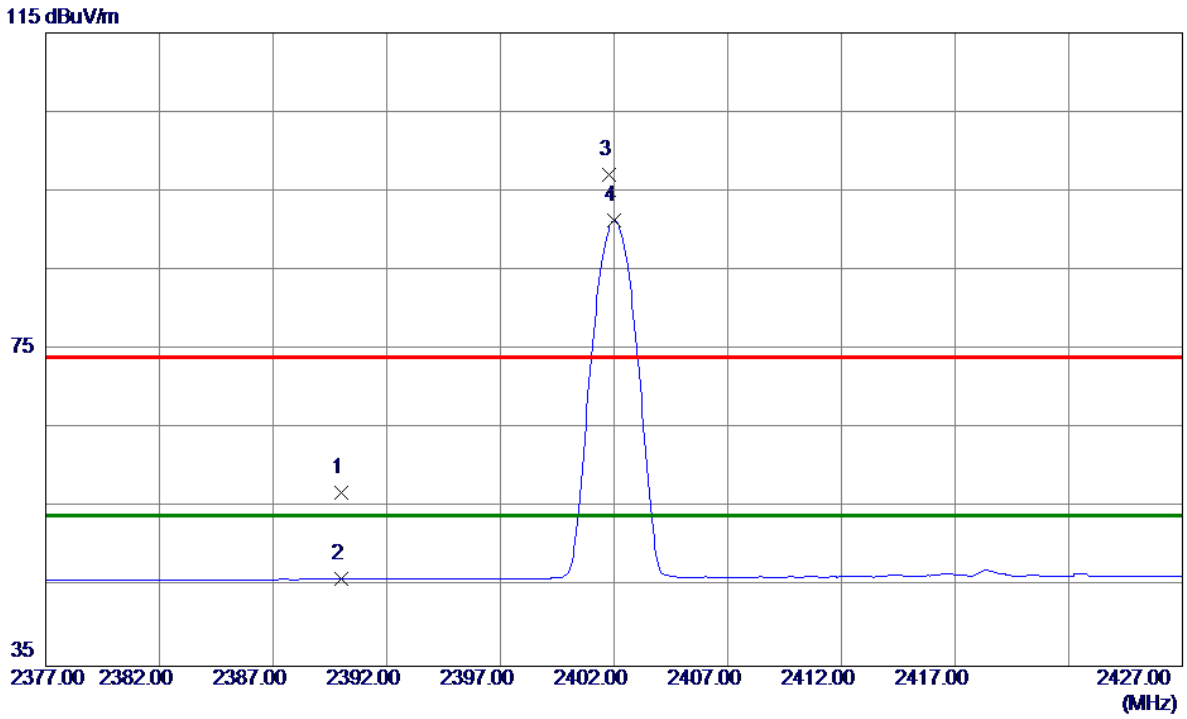


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	55.2200	33.13	-13.94	19.19	40.00	-20.81	Peak	
2	119.2400	33.43	-15.46	17.97	43.50	-25.53	Peak	
3	191.9900	32.20	-13.03	19.17	43.50	-24.33	Peak	
4 *	301.6000	38.08	-12.80	25.28	46.00	-20.72	Peak	
5	326.8200	36.18	-12.36	23.82	46.00	-22.18	Peak	
6	580.9600	30.38	-6.91	23.47	46.00	-22.53	Peak	

APPENDIX C - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode :	TX 2402MHz _CH00_1Mbps

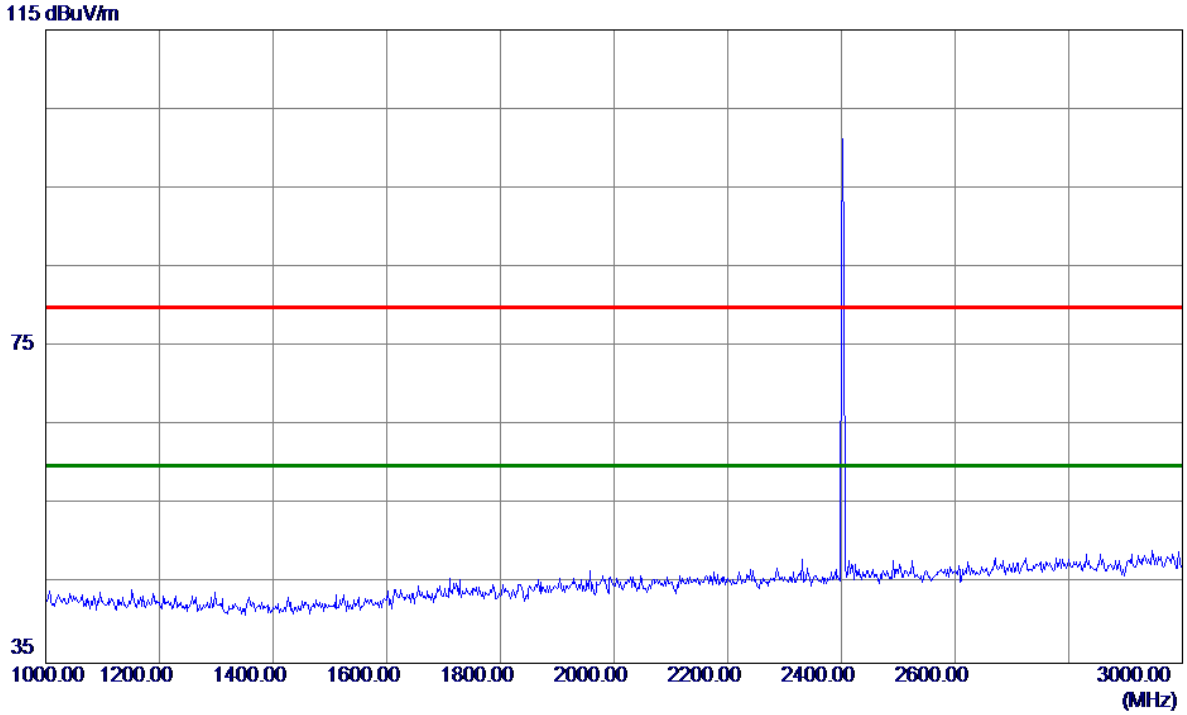
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	23.83	33.06	56.89	74.00	-17.11	Peak	
2	2390.0000	12.92	33.06	45.98	54.00	-8.02	AVG	
3	2401.8000	64.02	33.10	97.12	74.00	23.12	Peak	No Limit
4 *	2402.0000	58.18	33.10	91.28	54.00	37.28	AVG	No Limit

Test Mode :	TX 2402MHz _CH00_1Mbps

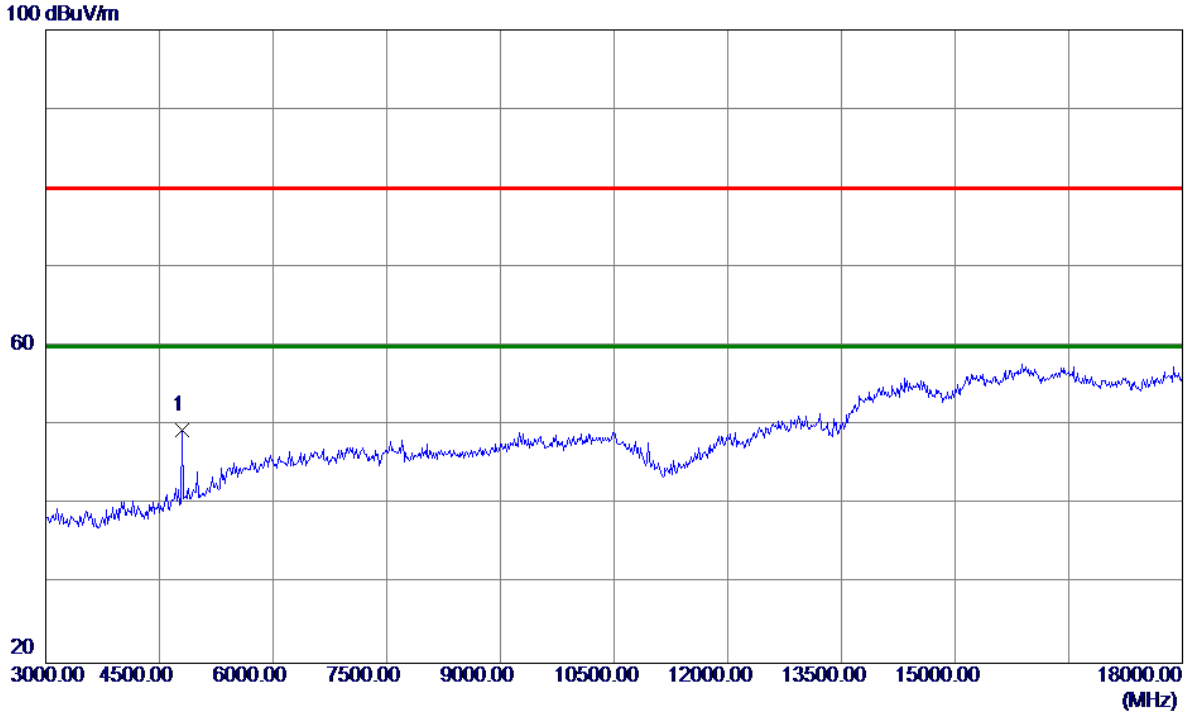
Vertical



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

Test Mode :	TX 2402MHz _CH00_1Mbps

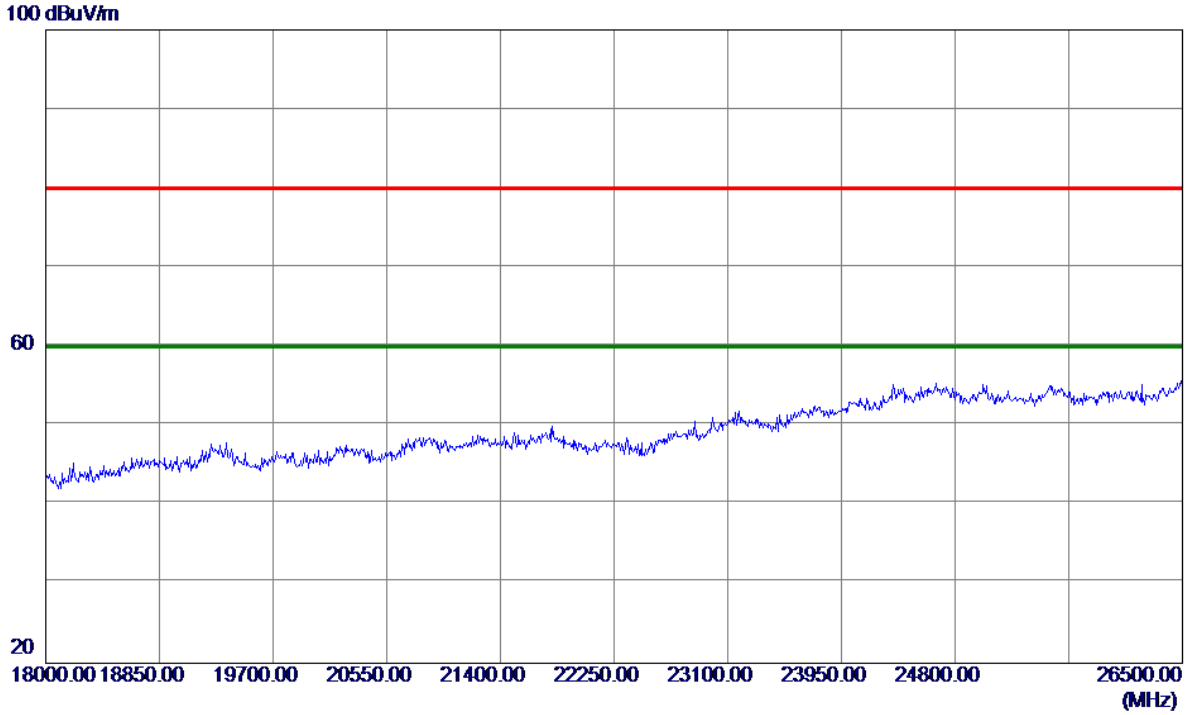
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4800.0000	42.82	6.57	49.39	80.00	-30.61	Peak	

Test Mode :	TX 2402MHz _CH00_1Mbps

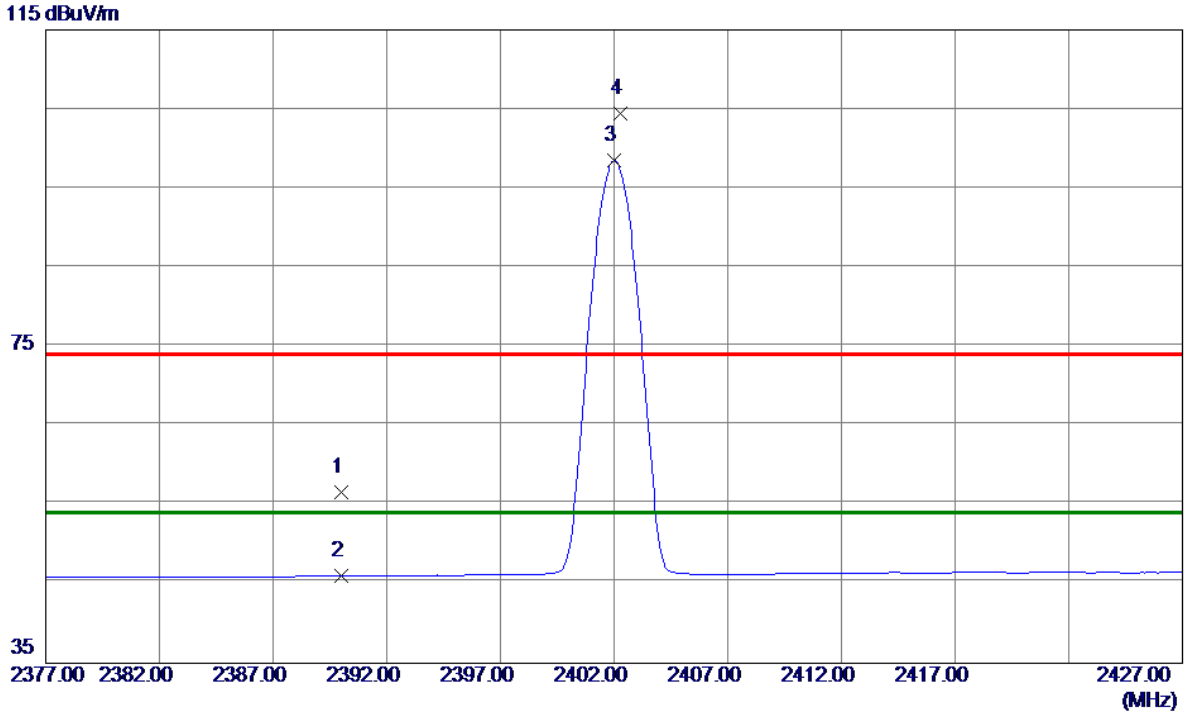
Vertical



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

Test Mode :	TX 2402MHz _CH00_1Mbps

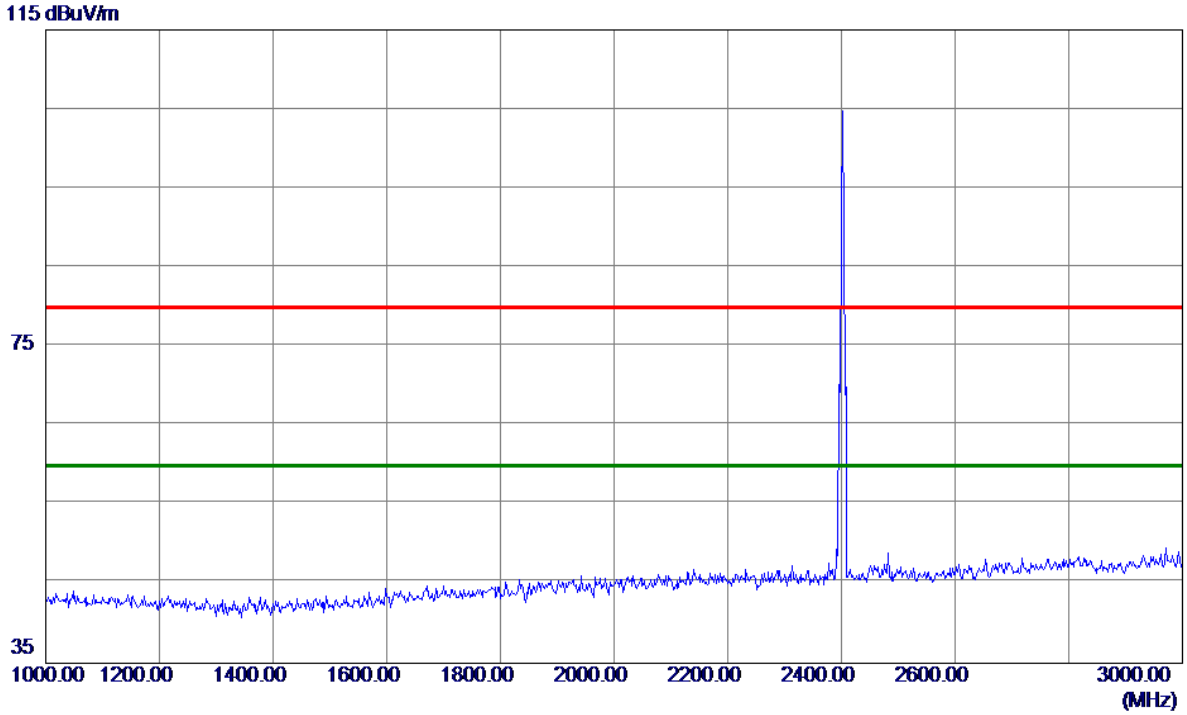
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	23.61	33.06	56.67	74.00	-17.33	Peak	
2	2390.0000	12.93	33.06	45.99	54.00	-8.01	AVG	
3 *	2402.0000	65.38	33.10	98.48	54.00	44.48	AVG	No Limit
4	2402.3000	71.27	33.10	104.37	74.00	30.37	Peak	No Limit

Test Mode :	TX 2402MHz _CH00_1Mbps

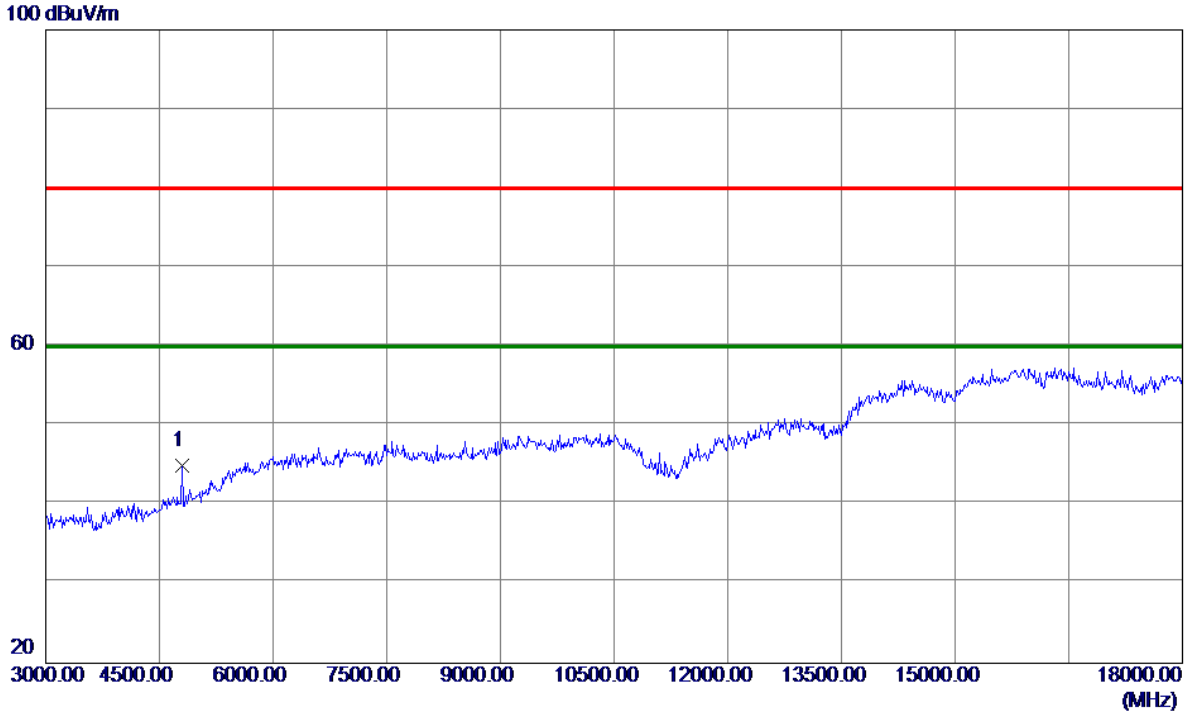
Horizontal



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

Test Mode :	TX 2402MHz _CH00_1Mbps

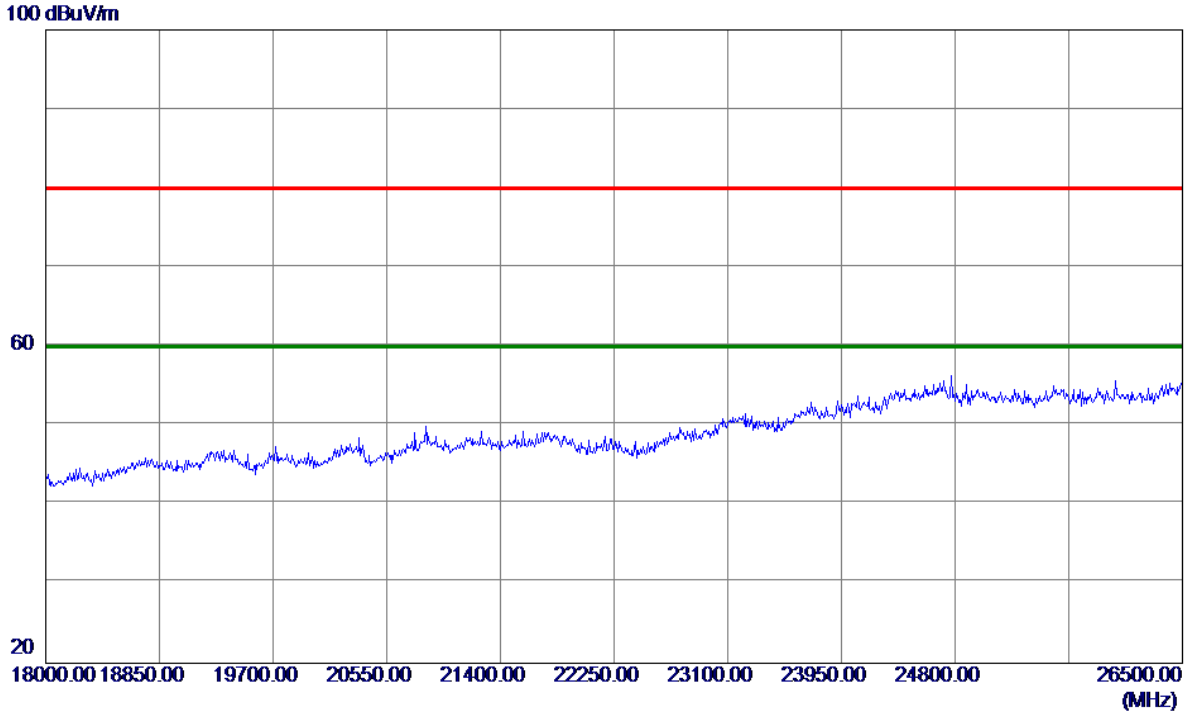
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4800.0000	38.37	6.57	44.94	80.00	-35.06	Peak	

Test Mode :	TX 2402MHz _CH00_1Mbps

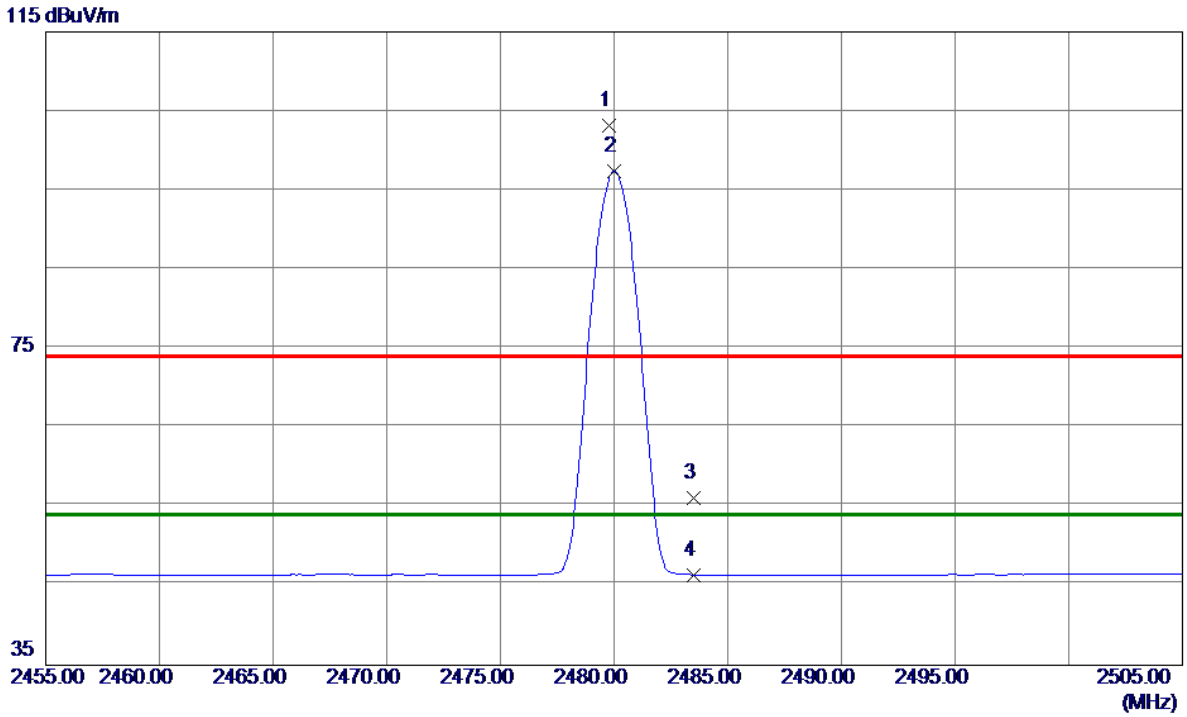
Horizontal



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

Test Mode :	TX 2480MHz _CH39_1Mbps

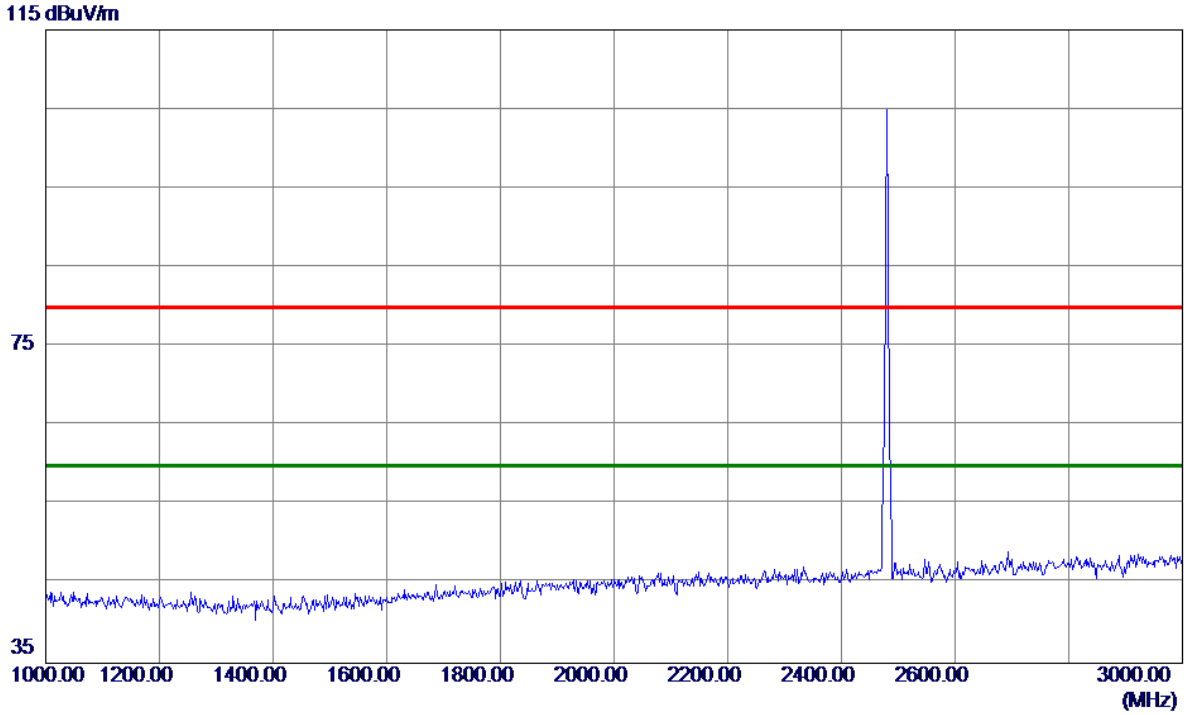
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2479.8000	69.84	33.39	103.23	74.00	29.23	Peak	No Limit
2 *	2480.0000	63.98	33.39	97.37	54.00	43.37	AVG	No Limit
3	2483.5000	22.67	33.41	56.08	74.00	-17.92	Peak	
4	2483.5000	13.02	33.41	46.43	54.00	-7.57	AVG	

Test Mode :	TX 2480MHz _CH39_1Mbps

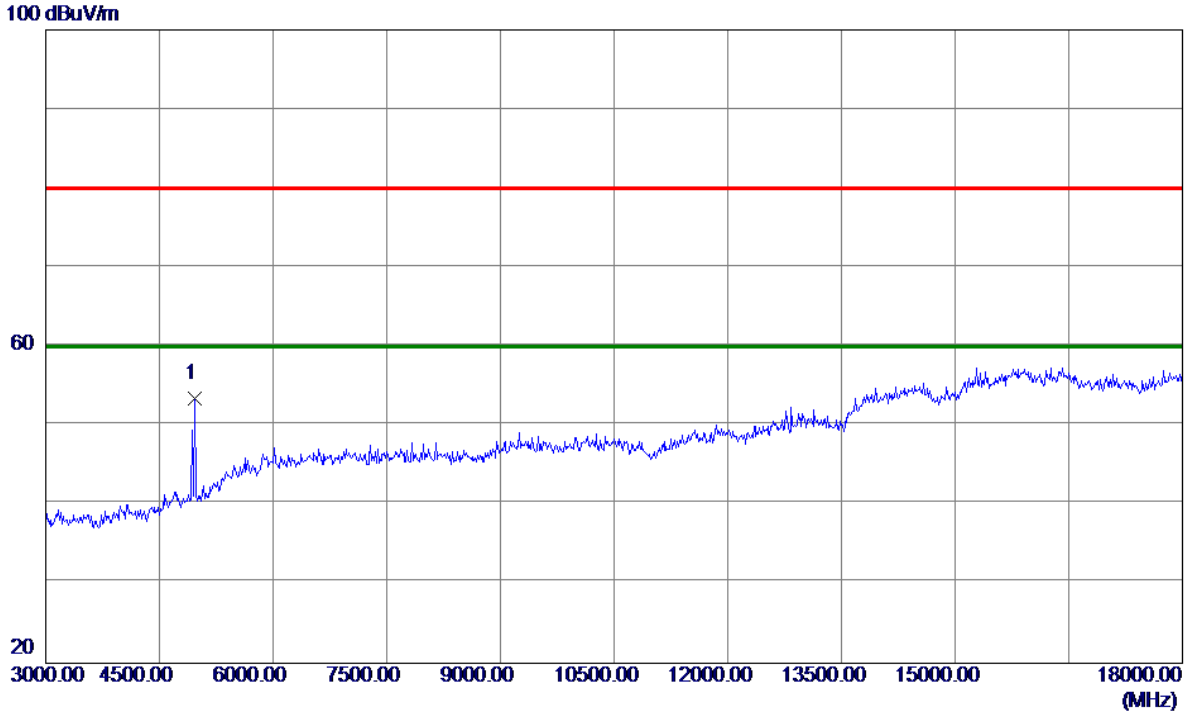
Vertical



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

Test Mode :	TX 2480MHz _CH39_1Mbps

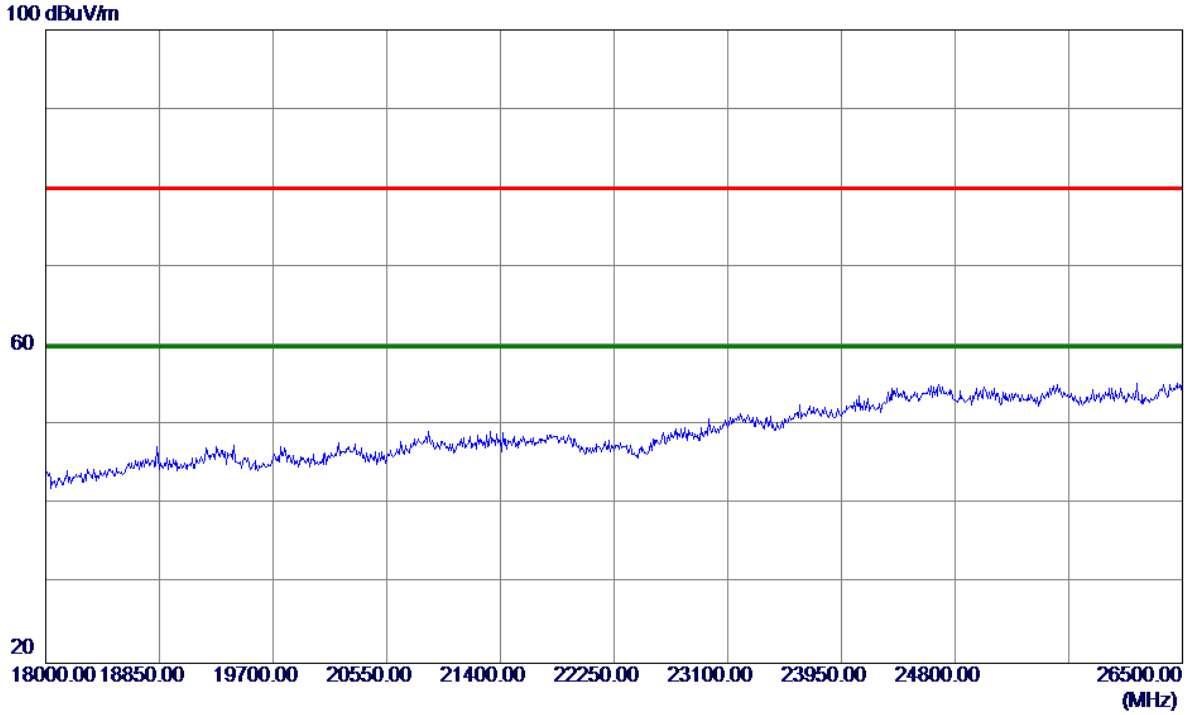
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4965.0000	46.22	7.16	53.38	80.00	-26.62	Peak	

Test Mode :	TX 2480MHz _CH39_1Mbps

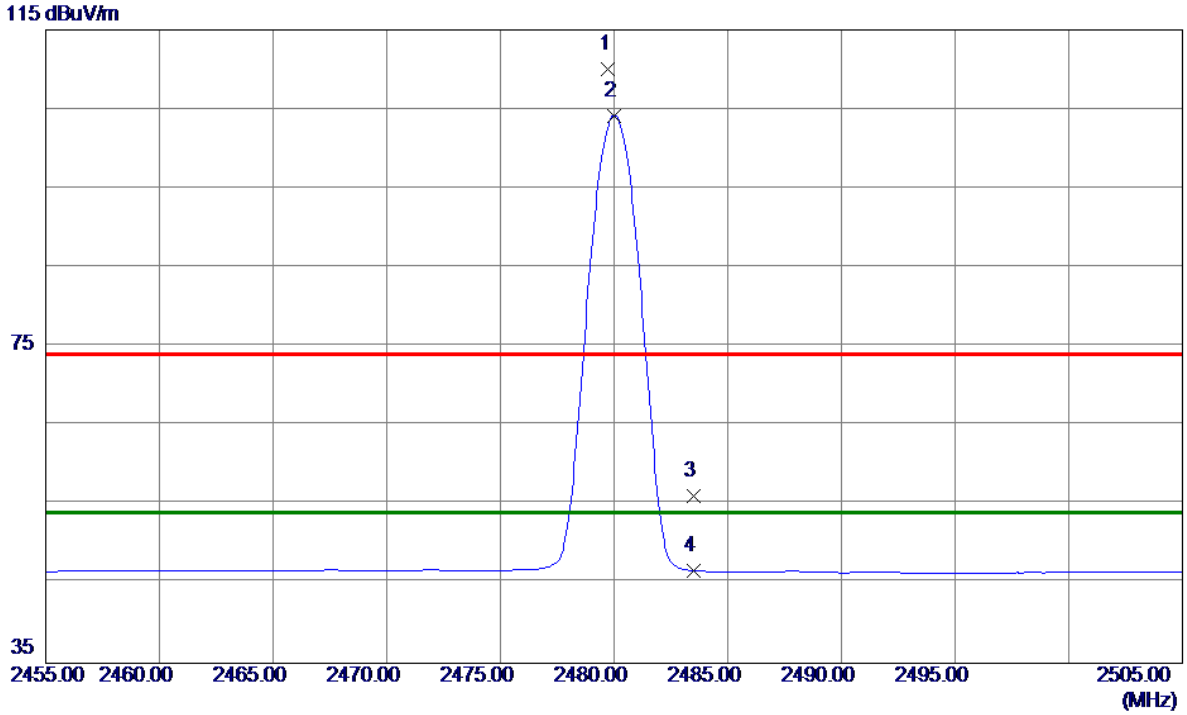
Vertical



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

Test Mode :	TX 2480MHz _CH39_1Mbps

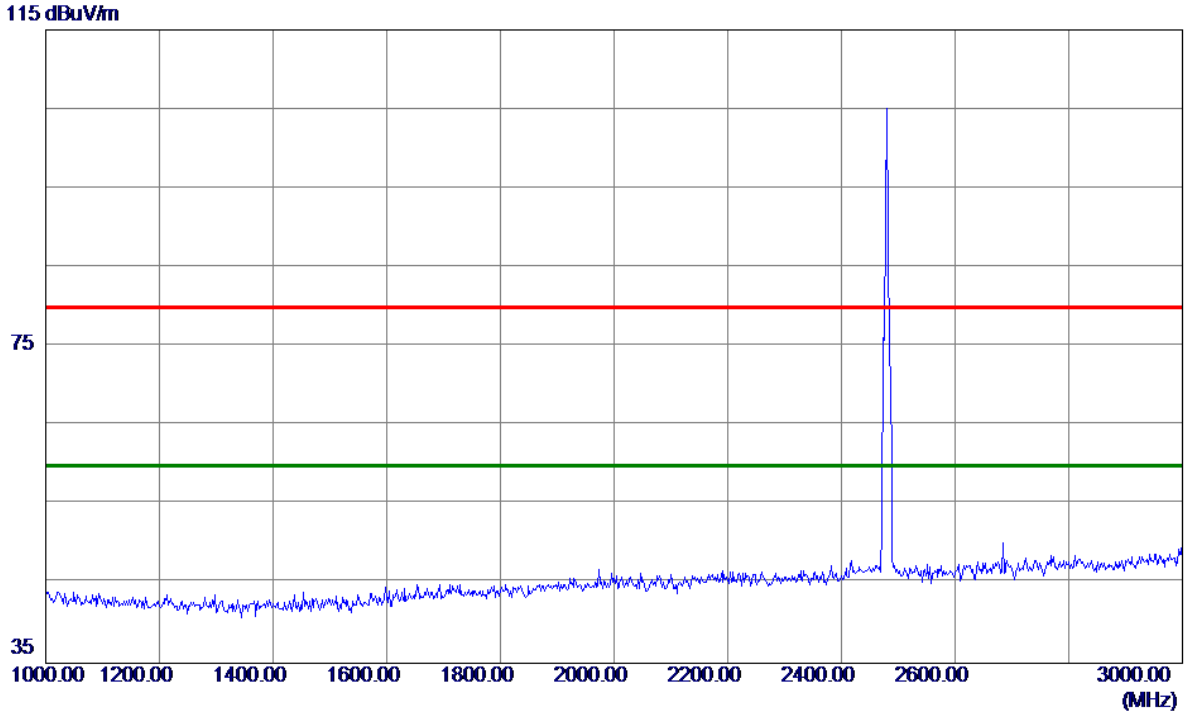
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2479.7500	76.71	33.39	110.10	74.00	36.10	Peak	No Limit
2 *	2480.0000	70.80	33.39	104.19	54.00	50.19	AVG	No Limit
3	2483.5000	22.70	33.41	56.11	74.00	-17.89	Peak	
4	2483.5000	13.26	33.41	46.67	54.00	-7.33	AVG	

Test Mode :	TX 2480MHz _CH39_1Mbps

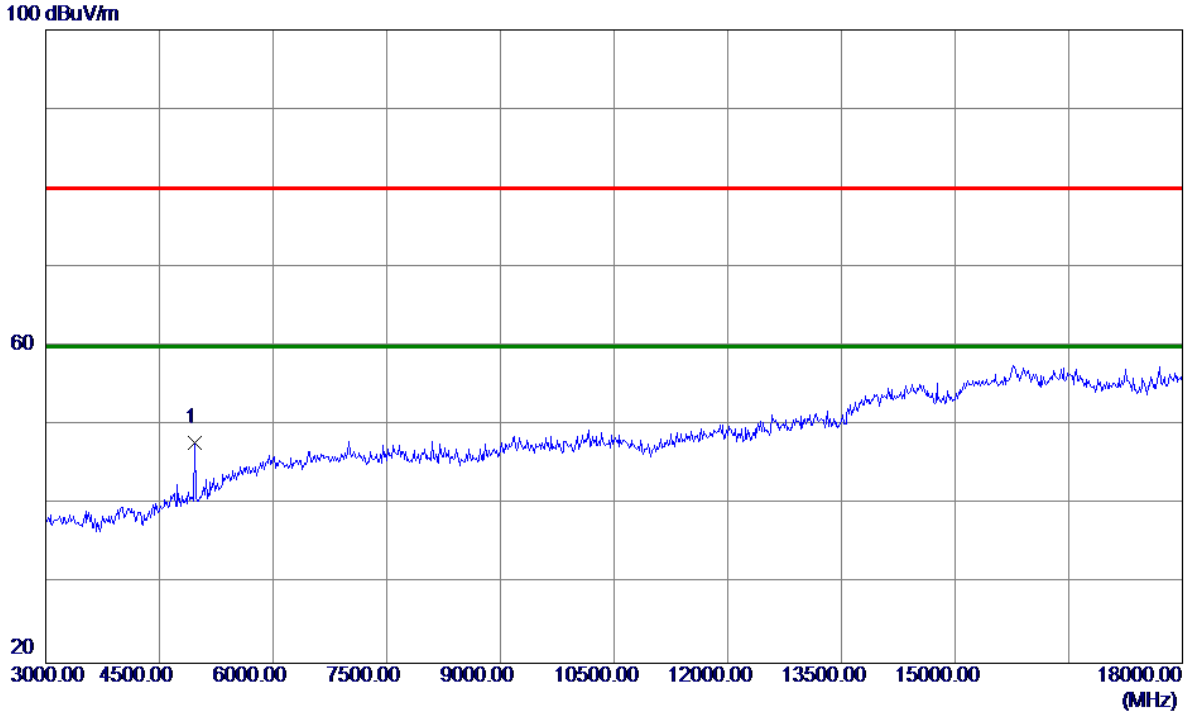
Horizontal



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

Test Mode :	TX 2480MHz _CH39_1Mbps

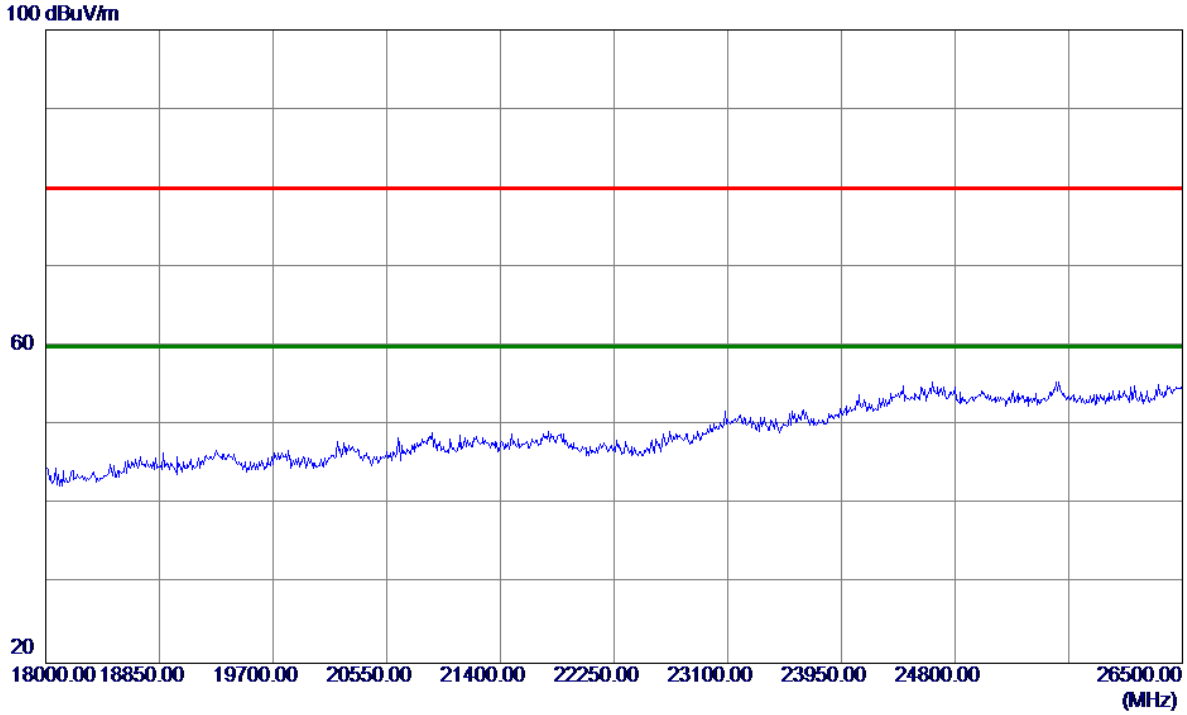
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4965.0000	40.68	7.16	47.84	80.00	-32.16	Peak	

Test Mode :	TX 2480MHz _CH39_1Mbps

Horizontal



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