

FCC Radio Test Report

FCC ID: QISDIG-LX3

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

Project No. : 1612C149
Equipment : Smart Phone
Model Name : DIG-L23, DIG-L03
Applicant : Huawei Technologies Co., Ltd
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China

Date of Receipt : Dec. 14, 2016
Date of Test : Dec. 14, 2016 ~ Jan. 04, 2017
Issued Date : Jan. 05, 2017
Tested by : BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1612C149	Original Issue.	Jan. 05, 2017

1. CERTIFICATION

Equipment : Smart Phone
Brand Name : HUAWEI
Model Name : DIG-L23, DIG-L03
Applicant : Huawei Technologies Co., Ltd
Manufacturer : Huawei Technologies Co., Ltd
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District Shenzhen China
Factory : Huawei Technologies Co., Ltd
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District Shenzhen China
Date of Test : Dec. 14, 2016 ~ Jan. 04, 2017
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-2-1612C149) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the Bluetooth LE 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
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	
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: 319330

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{CISPR} requirement.

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150 KHz ~ 30MHz	2.32

B. 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	Smart Phone	
Brand Name	HUAWEI	
Model Name	DIG-L23, DIG-L03	
Model Difference	All hardwares of the model DIG-L23 and DIG-L03 are the same. These two models are only differ in SIM card that DIG-L23 has double cards of SIM 1 and SIM 2, while DIG-L03 has single card SIM 1 by software conductively-closed. Model DIG-L23 has been evaluated completed, and the test datas of SIM 1 are re-used to model DIG-L03.	
Product Description	Operation Frequency	2402~2480 MHz
	Modulation Technology	GFSK(1Mbps)
	Bit Rate of Transmitter	
	Output Power (Max.)	1.56dBm (1Mbps)
Power Source	#1 DC Voltage supplied from AC/DC adapter. #2 Battery Supplied.	
Power Rating	#1 Input: 100~240V Output:5V 1.0A #2 DC 3.82V 2920mAh	
HW Version	HL1DIGM	
SW Version	Diego-L23C469B005	

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	Sunwoda Electronic Co., LTD	HB405979ECW
	Desay Battery Co., Ltd.	HB405979ECW
USB Cable	LUXSHARE-ICT Co., Ltd.	L99U2013-CS-H
	Chang Shu Honglin Technology Co.,Ltd.	130-26654
	FOXCONN INTERCONNECT TECHNOLOGY	CUBB01M-HC208-DH
Earphone	JIANGXI LIANCHUANG HONGSHENG ELECTRONIC CO., LTD	MEMD1632B580C00
	BOLUO COUNTY QUANCHENG ELECTRONIC CO., LTD	1311-3291-3.5mm-229
	Goer Tek Inc	NA12
	MERRY ELECTRONICS (SHENZHEN) CO., LTD.	EMC309-001
Adapter	DONGGUAN PHITEK ELECTRONICS CO.,LTD.	HW-050100U01
	SHENZHEN HUNTKEY ELECTRONIC CO.,LTD.	
	HUIZHOU BYD ELECTRONIC CO., LTD.	

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	HUAWEI	N/A	PCB	N/A	0.8

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly 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 Conducted Test	
Final Test Mode	Description
Mode 1	TX Mode

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

Note:

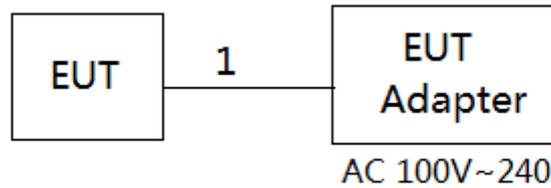
- (1) The measurements are performed at the high, middle, low available channels.
- (2) The EUT was pre-tested on positioned of each 3 axis. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

3.3 TABLE OF PARAMETERS OF TEST 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	QRCT		
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	YES	NO	1m	USB Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 -0.5	66 to 56*	56 to 46*
0.50 -5.0	56	46
5.0 -30.0	60	50

Note:

- (1) The limit of " * " decreases with the logarithm of the frequency
- (2) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
 Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

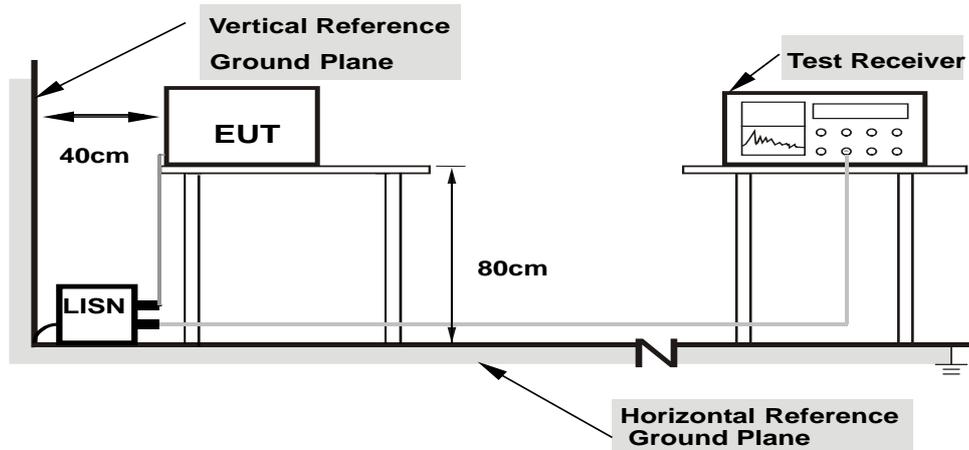
4.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. 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



- Note:**
1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4.1.6 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.
- (3) “ N/A ” denotes test is not applicable to this device.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 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)

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

$$20 \log d_{\text{limit}}/d_{\text{measure}} = 20 \log 3/1.5 = 6 \text{dB.}$$

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

4.2.2 TEST PROCEDURE

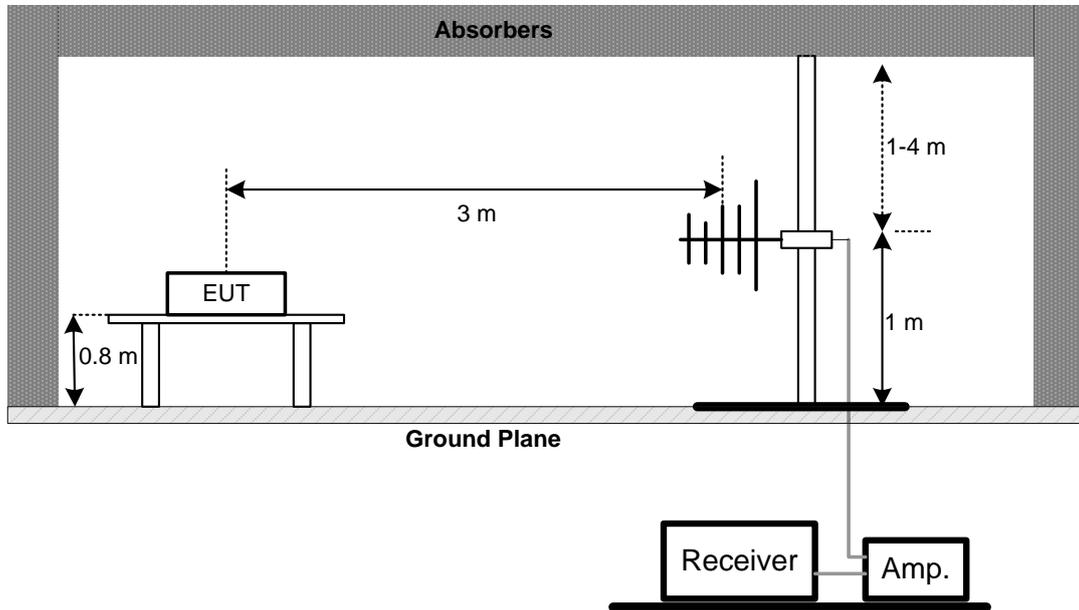
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

4.2.3 DEVIATION FROM TEST STANDARD

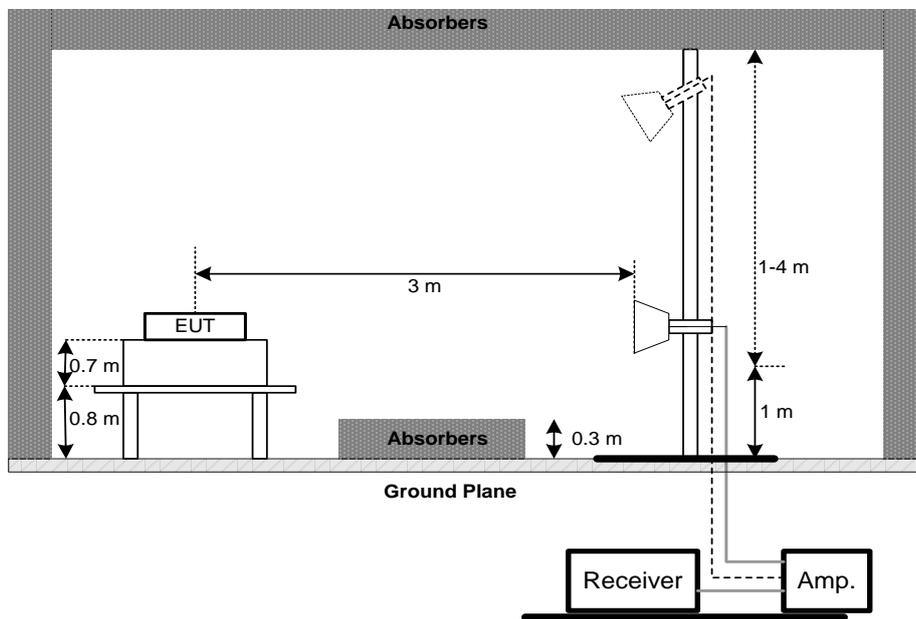
No deviation

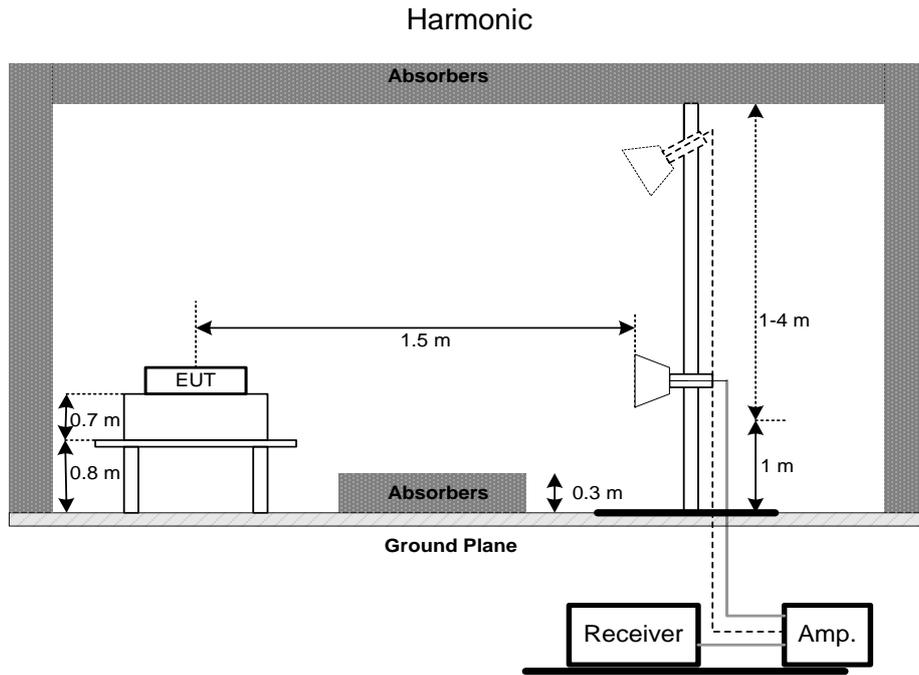
4.2.4 TEST SETUP

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

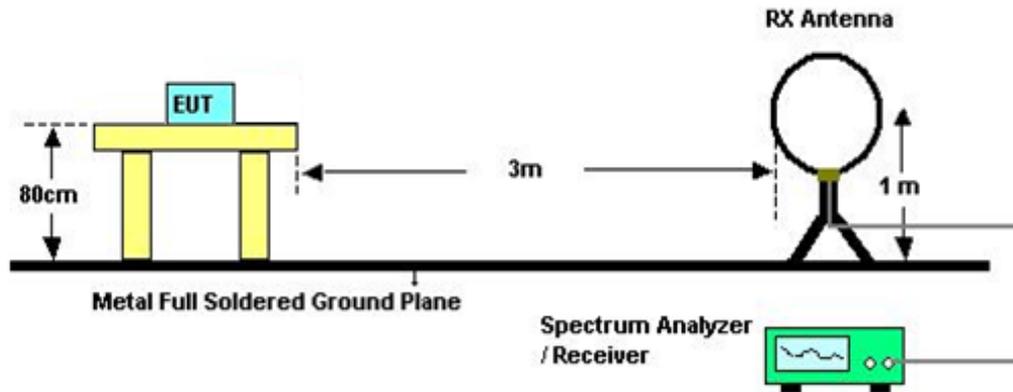


**(B) Radiated Emission Test Set-Up Frequency Above 1 GHz
 Band edge**





(C) For radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

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.

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

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

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

5.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Maximum Output Power	1 watt or 30dBm	2400-2483.5	PASS

6.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- b. The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time = 10 ms.
- c. Offset=antenna gain+cable loss

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5 EUT OPERATION CONDITIONS

Temperature: 24°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

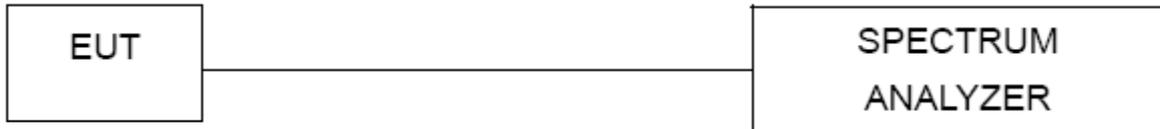
8.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW=3KHz, VBW=10 KHz, Sweep time = auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

8.1.5 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	0052765	Mar. 27, 2017
2	LISN	R&S	ENV216	101447	Mar. 27, 2017
3	Test Cable	emci	RG223(9KHz-30M Hz)	C_17	Mar. 10, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 27, 2017
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Mar. 10, 2017
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 26, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 27, 2017
8	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
9	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
10	Test Cable	emci	EMC104-SM-S M-10000(1GHz-26.5GHz)	C-68	Jun. 26, 2017
11	Controller	CT	SC100	N/A	N/A
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
13	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
14	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
15	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Mar. 27, 2017
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 27, 2017

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

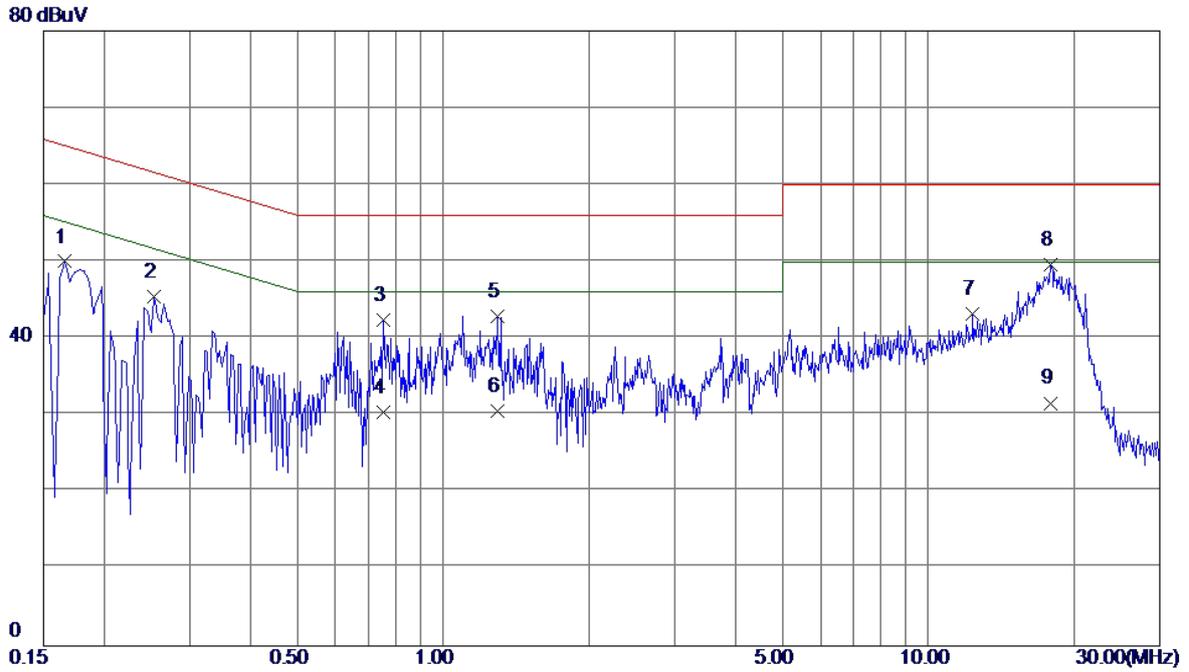
Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

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

ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX Mode_Adapter:BYD

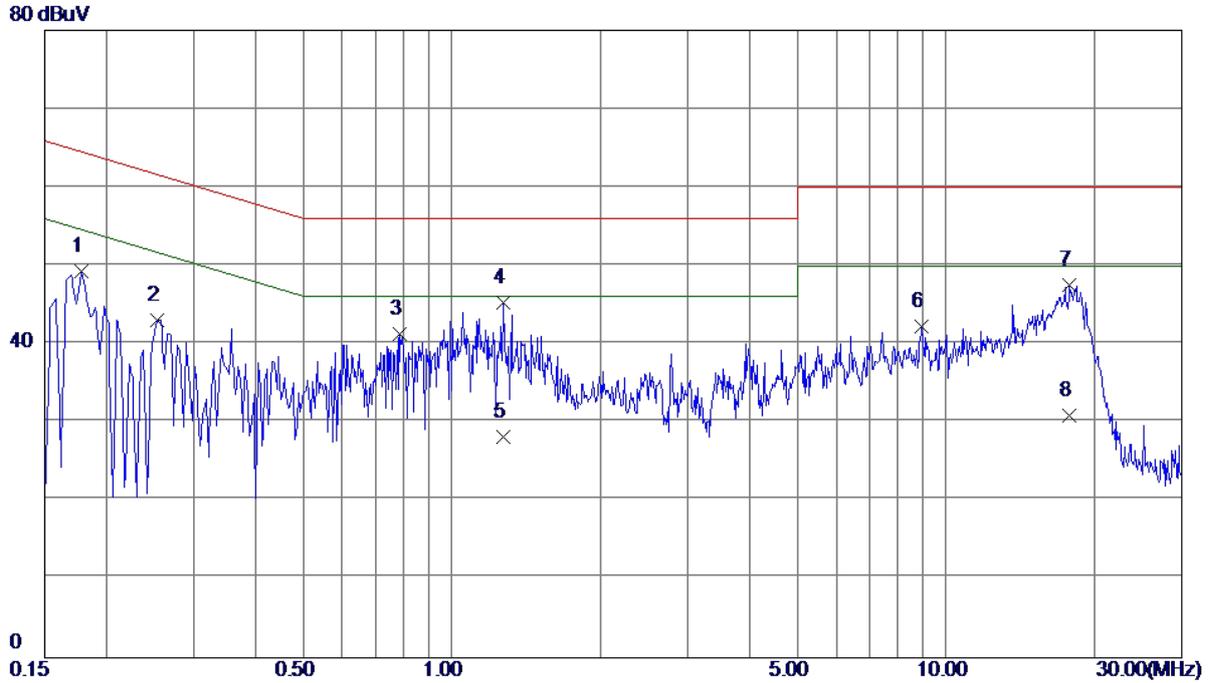
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1660	40.43	9.57	50.00	65.16	-15.16	Peak	
2	0.2540	35.83	9.57	45.40	61.63	-16.23	Peak	
3	0.7539	32.64	9.77	42.41	56.00	-13.59	Peak	
4	0.7539	20.60	9.77	30.37	46.00	-15.63	AVG	
5	1.2900	32.92	9.89	42.81	56.00	-13.19	Peak	
6	1.2900	20.60	9.89	30.49	46.00	-15.51	AVG	
7	12.3340	32.60	10.59	43.19	60.00	-16.81	Peak	
8 *	17.8980	38.80	10.76	49.56	60.00	-10.44	Peak	
9	17.8980	20.84	10.76	31.60	50.00	-18.40	AVG	

Test Mode: TX Mode_Adapter:BYD

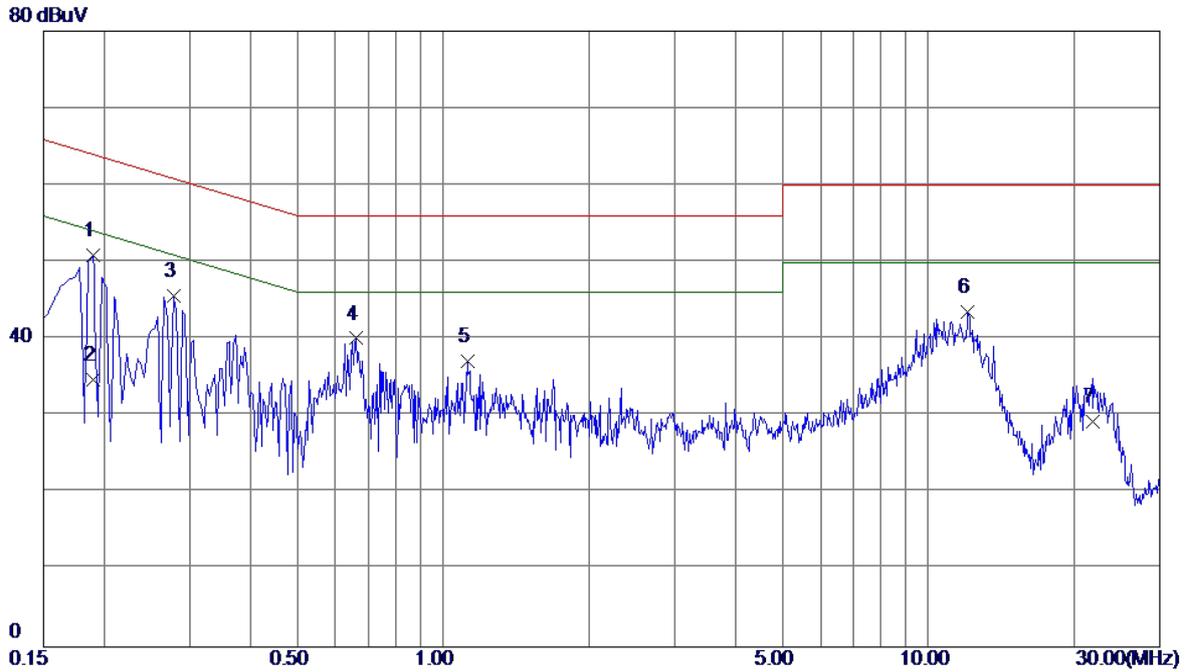
Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1780	39.73	9.50	49.23	64.58	-15.35	Peak	
2	0.2540	33.53	9.57	43.10	61.63	-18.53	Peak	
3	0.7860	31.73	9.60	41.33	56.00	-14.67	Peak	
4 *	1.2740	35.52	9.76	45.28	56.00	-10.72	Peak	
5	1.2740	18.45	9.76	28.21	46.00	-17.79	AVG	
6	8.9460	31.79	10.45	42.24	60.00	-17.76	Peak	
7	17.7580	36.67	10.81	47.48	60.00	-12.52	Peak	
8	17.7580	20.14	10.81	30.95	50.00	-19.05	AVG	

Test Mode: TX Mode_Adapter:PHITEK

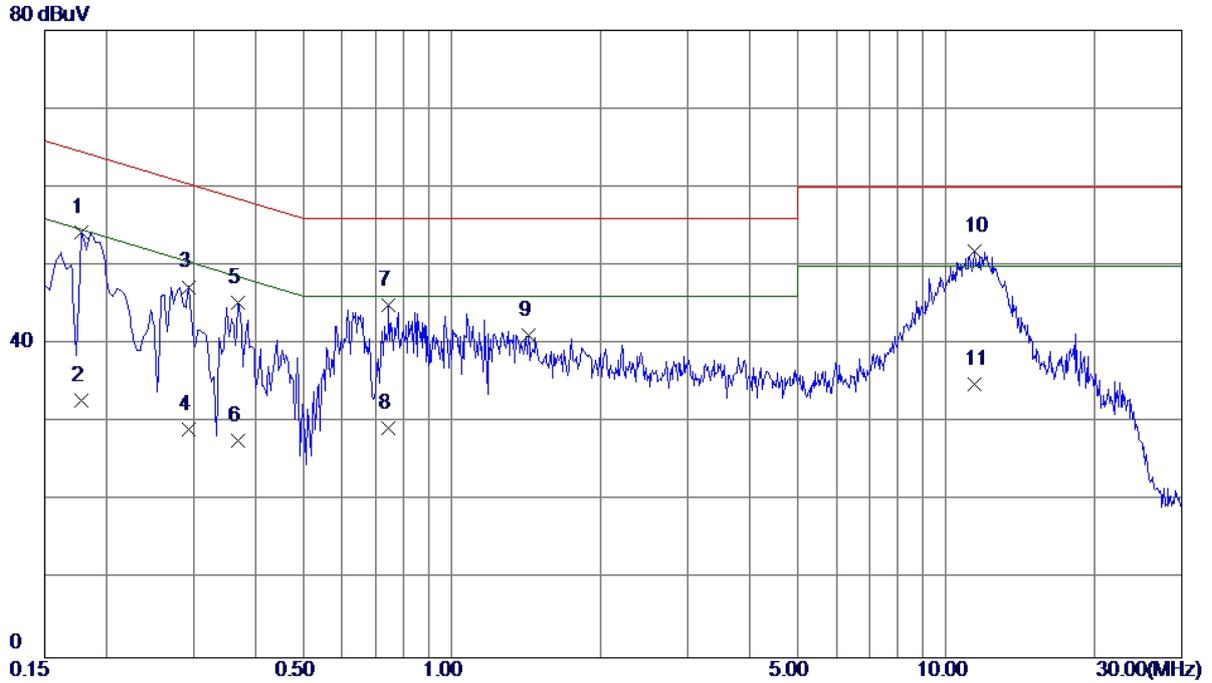
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1900	41.34	9.57	50.91	64.04	-13.13	Peak	
2	0.1900	25.18	9.57	34.75	54.04	-19.29	AVG	
3	0.2779	36.03	9.58	45.61	60.88	-15.27	Peak	
4	0.6620	30.37	9.71	40.08	56.00	-15.92	Peak	
5	1.1220	27.20	9.85	37.05	56.00	-18.95	Peak	
6	12.0659	32.89	10.58	43.47	60.00	-16.53	Peak	
7	21.8100	18.42	10.81	29.23	60.00	-30.77	Peak	

Test Mode: TX Mode_Adapter:PHITEK

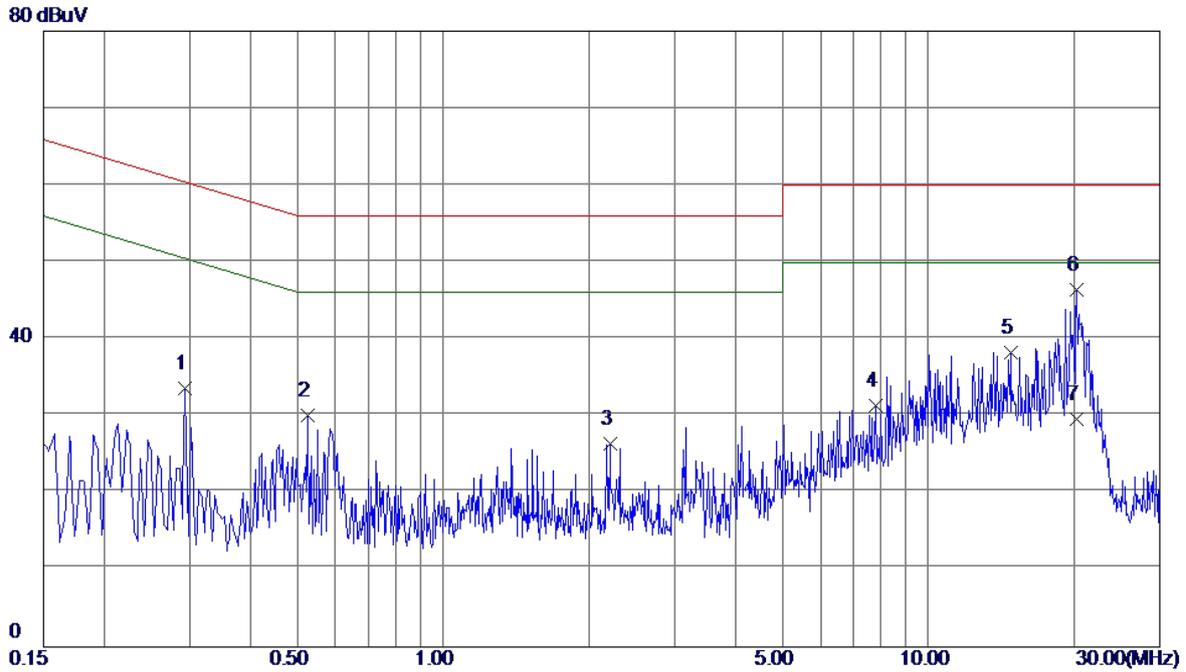
Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1780	44.77	9.50	54.27	64.58	-10.31	Peak	
2	0.1780	23.37	9.50	32.87	54.58	-21.71	AVG	
3	0.2940	37.70	9.58	47.28	60.41	-13.13	Peak	
4	0.2940	19.47	9.58	29.05	50.41	-21.36	AVG	
5	0.3700	35.80	9.54	45.34	58.50	-13.16	Peak	
6	0.3700	18.16	9.54	27.70	48.50	-20.80	AVG	
7	0.7460	35.34	9.56	44.90	56.00	-11.10	Peak	
8	0.7460	19.70	9.56	29.26	46.00	-16.74	AVG	
9	1.4260	31.37	9.77	41.14	56.00	-14.86	Peak	
10 *	11.4340	41.23	10.62	51.85	60.00	-8.15	Peak	
11	11.4340	24.30	10.62	34.92	50.00	-15.08	AVG	

Test Mode: TX Mode_Adapter:HUNTKEY

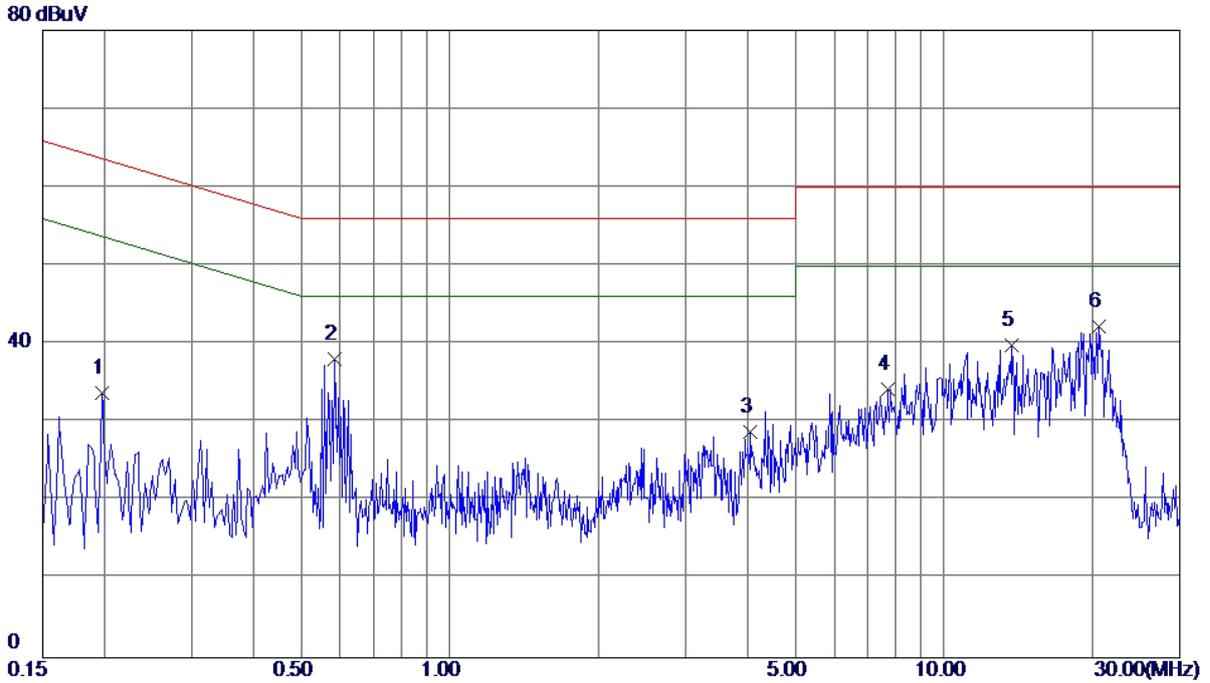
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.2940	24.04	9.58	33.62	60.41	-26.79	Peak	
2	0.5260	20.37	9.69	30.06	56.00	-25.94	Peak	
3	2.2060	16.26	10.10	26.36	56.00	-29.64	Peak	
4	7.8100	20.95	10.43	31.38	60.00	-28.62	Peak	
5	14.7860	27.51	10.69	38.20	60.00	-21.80	Peak	
6 *	20.1980	35.58	10.80	46.38	60.00	-13.62	Peak	
7	20.1980	18.75	10.80	29.55	50.00	-20.45	AVG	

Test Mode: TX Mode_Adapter:HUNTKEY

Neutral

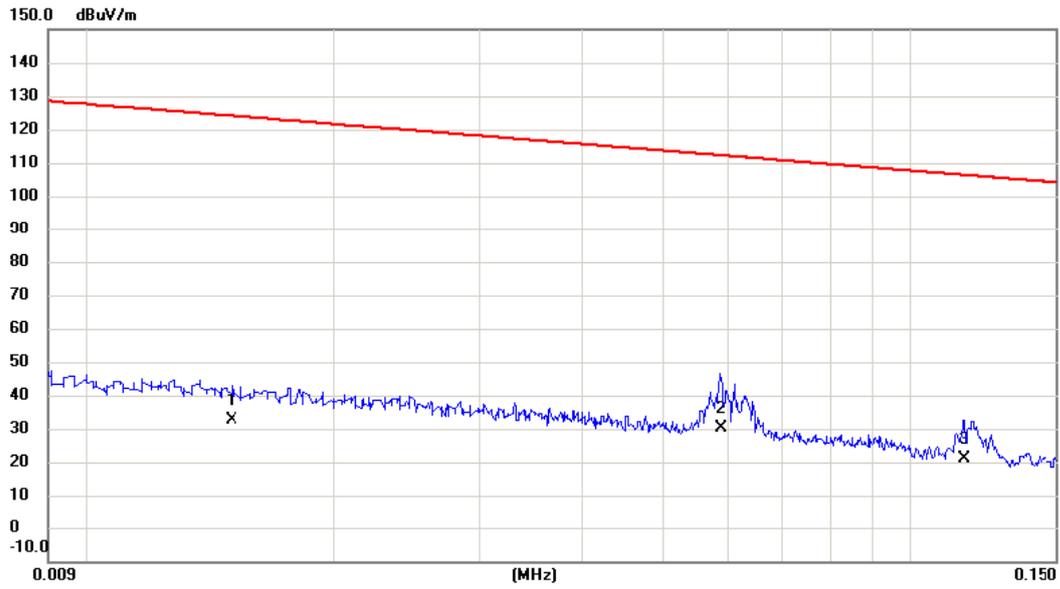


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1980	24.21	9.56	33.77	63.69	-29.92	Peak	
2	0.5860	28.64	9.50	38.14	56.00	-17.86	Peak	
3	4.0500	18.77	10.10	28.87	56.00	-27.13	Peak	
4	7.7140	23.98	10.30	34.28	60.00	-25.72	Peak	
5	13.7180	29.12	10.67	39.79	60.00	-20.21	Peak	
6 *	20.6100	31.28	10.91	42.19	60.00	-17.81	Peak	

ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode: TX Mode_Adapter:BYD

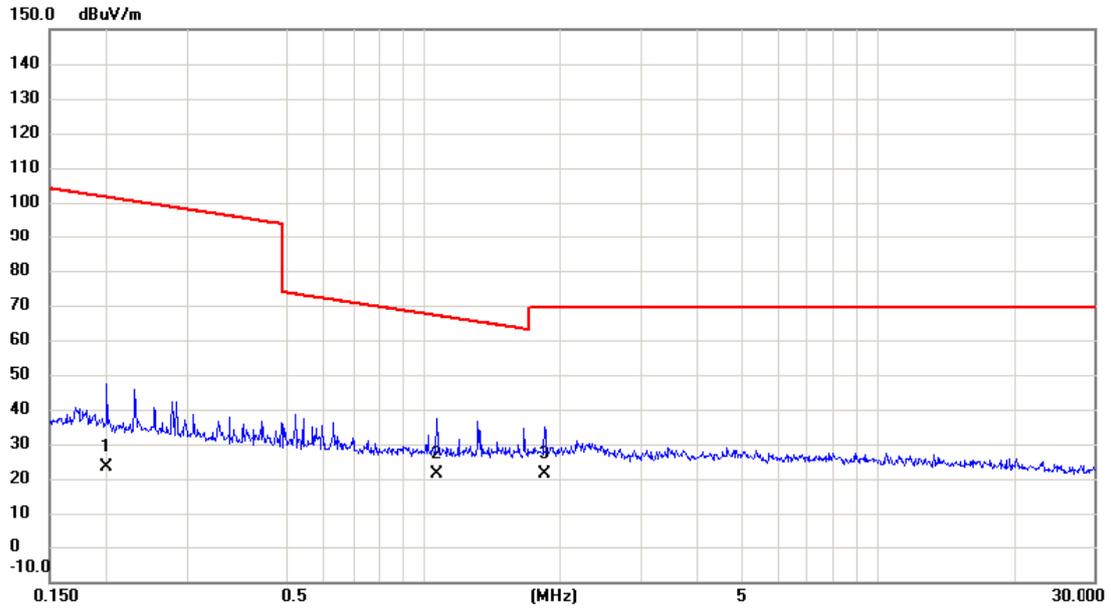
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.015	32.60	0.02	32.62	124.08	-91.46	AVG	
2	*	0.059	30.10	0.03	30.13	112.22	-82.09	AVG	
3		0.116	20.80	0.03	20.83	106.33	-85.50	AVG	

Test Mode: TX Mode_Adapter:BYD

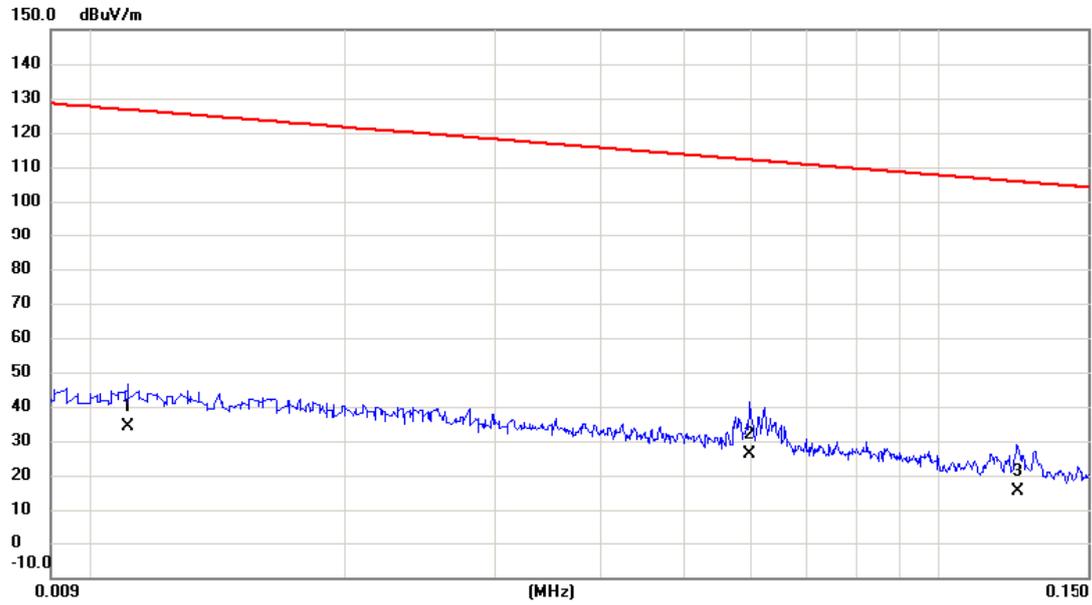
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.200	23.40	0.04	23.44	101.60	-78.16	AVG	
2	*	1.065	21.50	0.08	21.58	67.05	-45.47	QP	
3		1.848	21.30	0.10	21.40	69.54	-48.14	QP	

Test Mode: TX Mode_Adapter:BYD

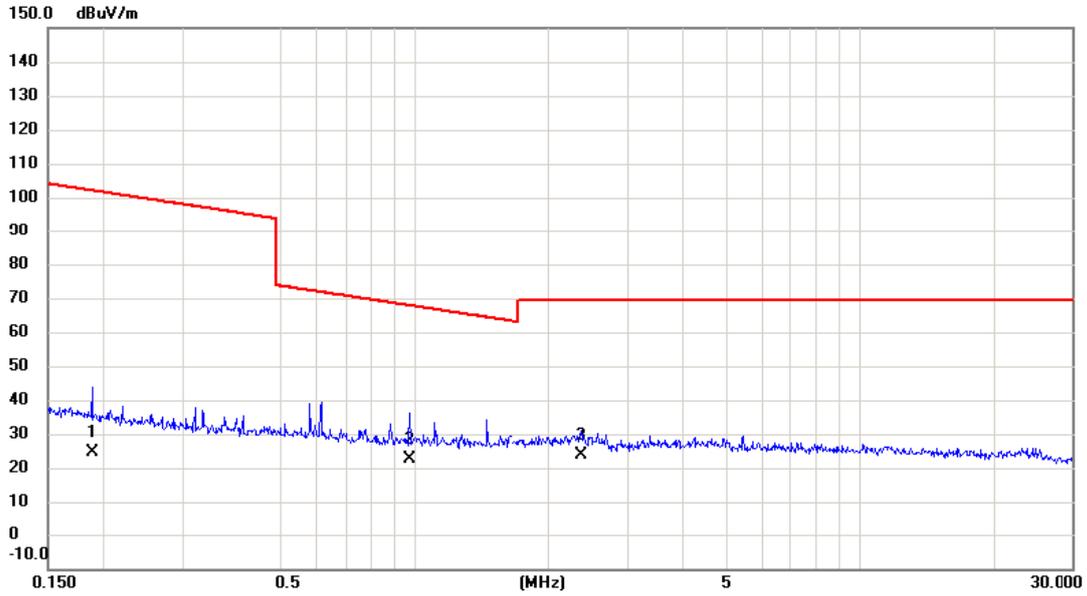
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.011	34.10	0.02	34.12	126.70	-92.58	AVG	
2	*	0.060	26.10	0.03	26.13	112.07	-85.94	AVG	
3		0.123	15.30	0.03	15.33	105.77	-90.44	AVG	

Test Mode: TX Mode_Adapter:BYD

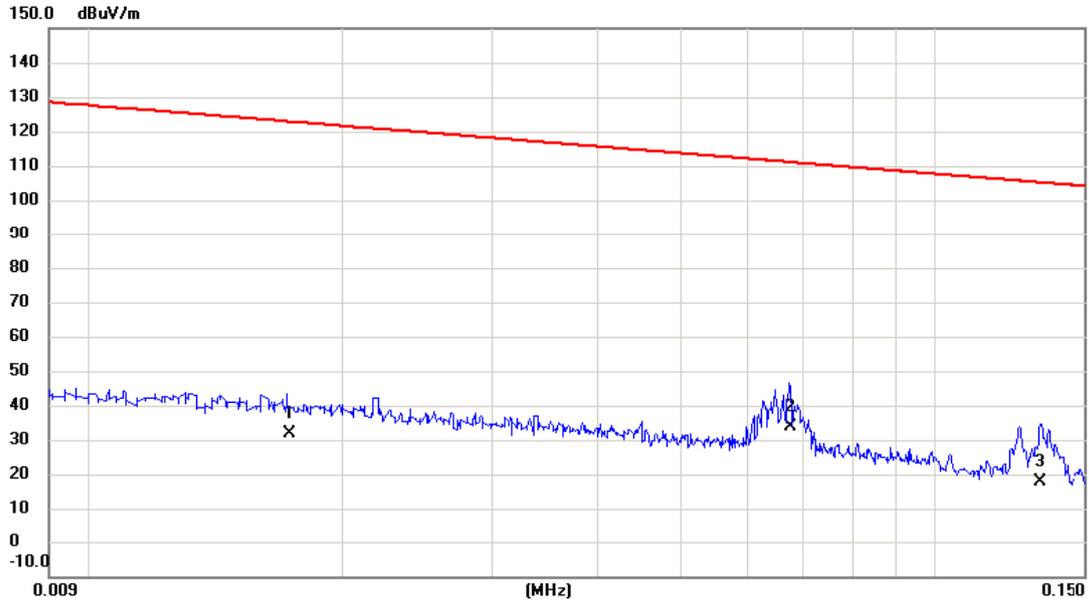
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.188	24.50	0.04	24.54	102.10	-77.56	AVG	
2	*	0.974	22.60	0.08	22.68	67.84	-45.16	QP	
3		2.371	23.50	0.11	23.61	69.54	-45.93	QP	

Test Mode: TX Mode_Adapter:PHITEK

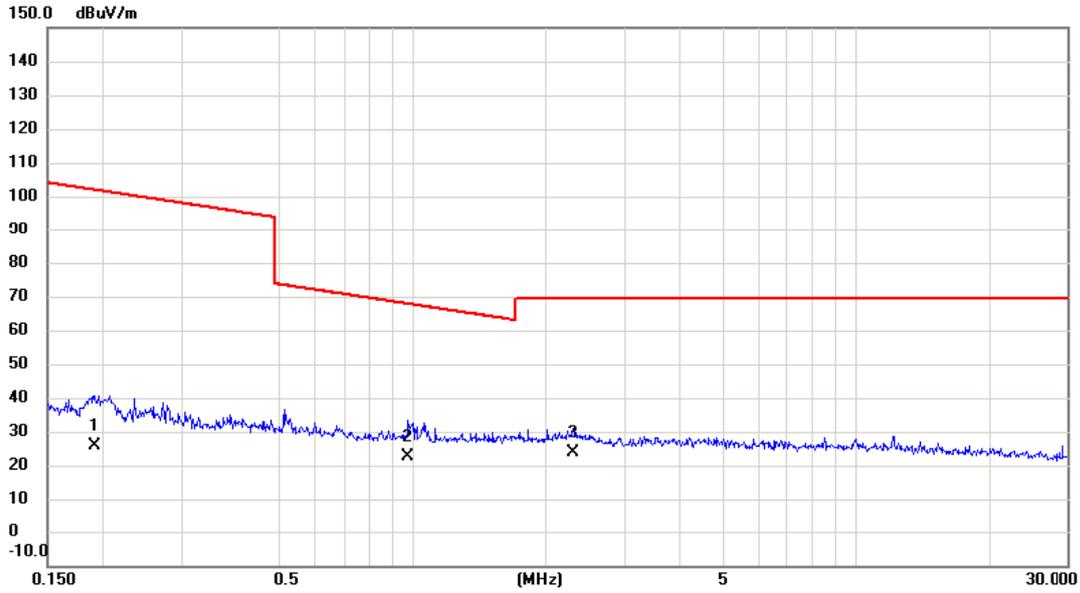
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.017	31.60	0.02	31.62	122.84	-91.22	AVG	
2	*	0.067	33.80	0.03	33.83	111.04	-77.21	AVG	
3		0.133	17.80	0.04	17.84	105.13	-87.29	AVG	

Test Mode: TX Mode_Adapter:PHITEK

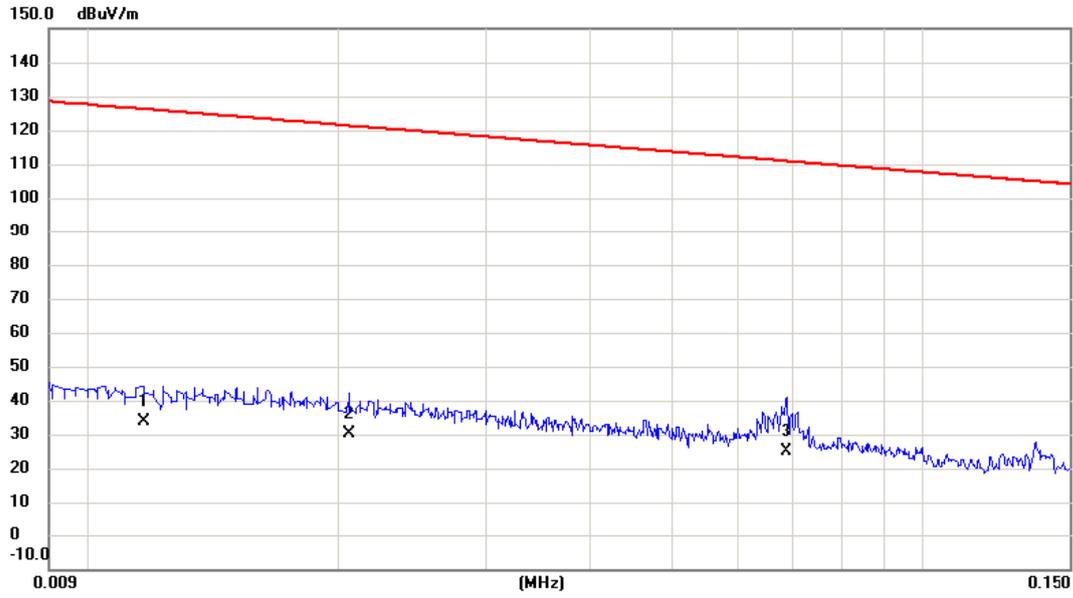
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.191	25.80	0.04	25.84	101.97	-76.13	AVG	
2	*	0.974	22.50	0.08	22.58	67.84	-45.26	QP	
3		2.297	23.60	0.11	23.71	69.54	-45.83	QP	

Test Mode: TX Mode_Adapter:PHITEK

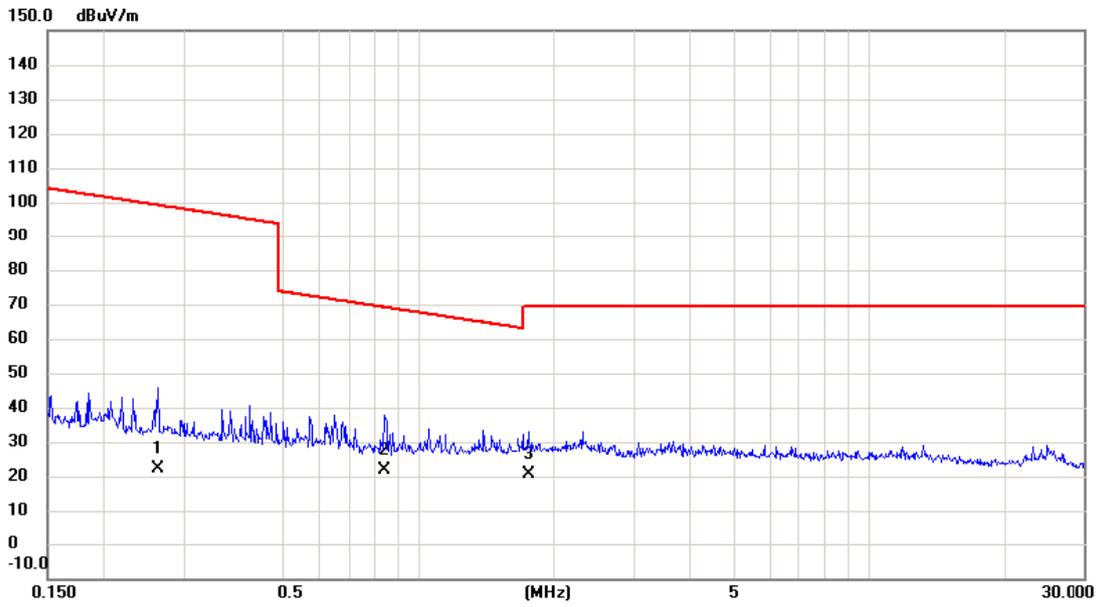
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.012	33.70	0.02	33.72	126.24	-92.52	AVG	
2		0.021	30.20	0.02	30.22	121.33	-91.11	AVG	
3	*	0.069	25.10	0.03	25.13	110.88	-85.75	AVG	

Test Mode: TX Mode_Adapter:PHITEK

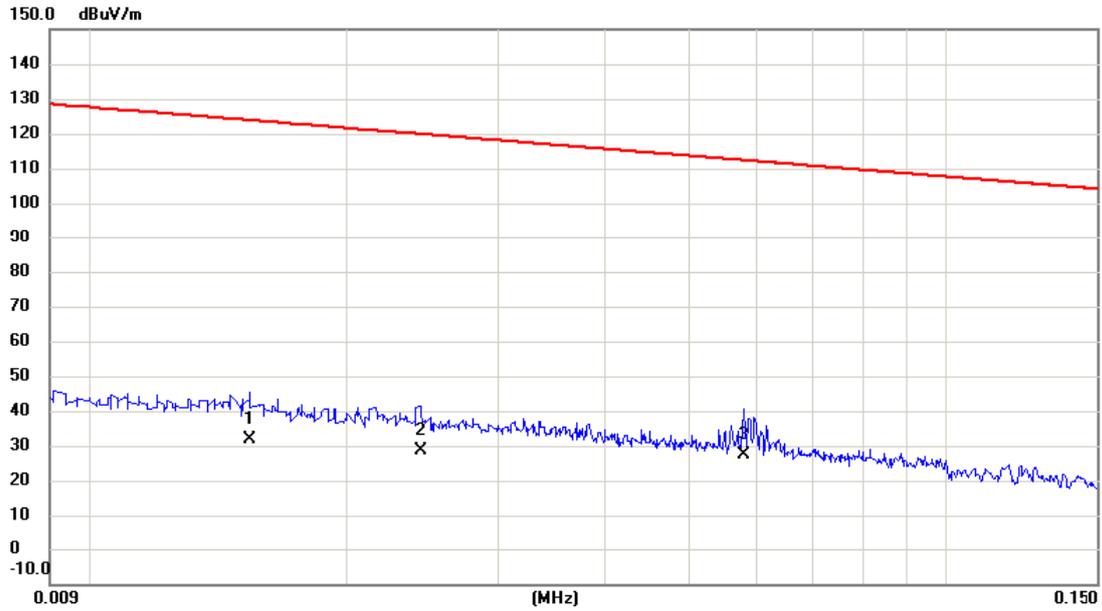
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.263	22.20	0.05	22.25	99.21	-76.96	AVG	
2	*	0.839	21.80	0.08	21.88	69.13	-47.25	QP	
3		1.753	20.60	0.10	20.70	69.54	-48.84	QP	

Test Mode: TX Mode_Adapter:HUNTKEY

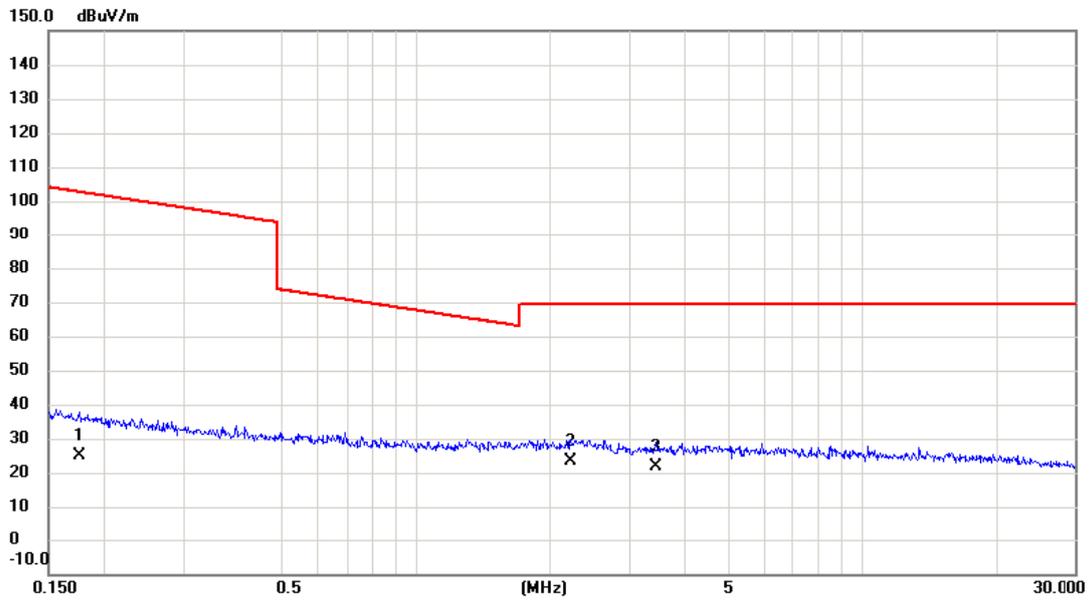
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.015	31.80	0.02	31.82	123.85	-92.03	AVG	
2		0.024	28.50	0.02	28.52	119.86	-91.34	AVG	
3	*	0.058	27.30	0.03	27.33	112.34	-85.01	AVG	

Test Mode: TX Mode_Adapter:HUNTKEY

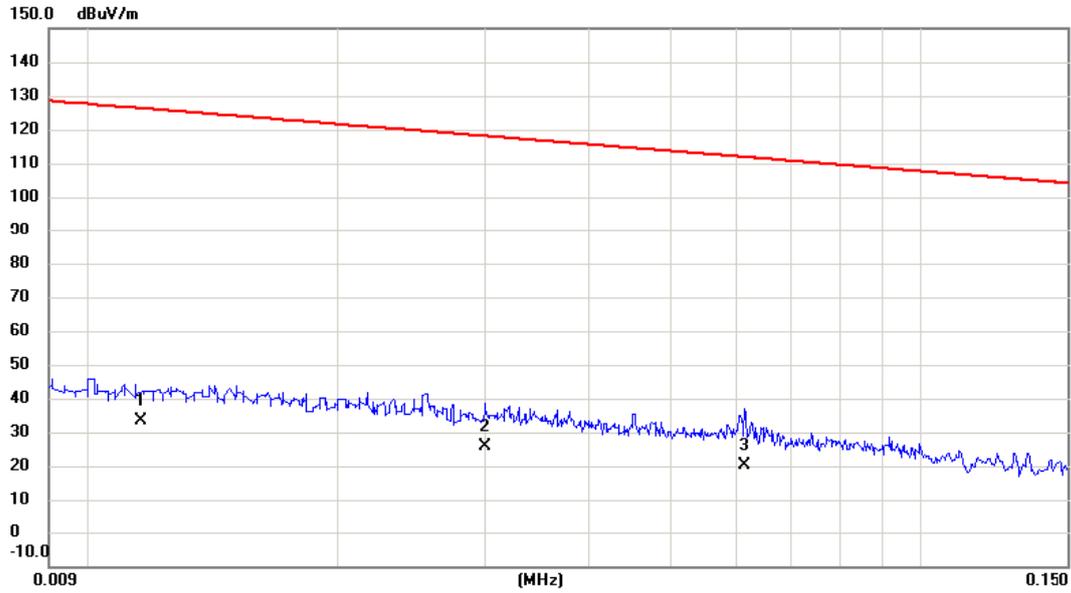
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.176	25.10	0.04	25.14	102.71	-77.57	AVG	
2	*	2.225	23.40	0.11	23.51	69.54	-46.03	QP	
3		3.436	21.80	0.14	21.94	69.54	-47.60	QP	

Test Mode: TX Mode_Adapter:HUNTKEY

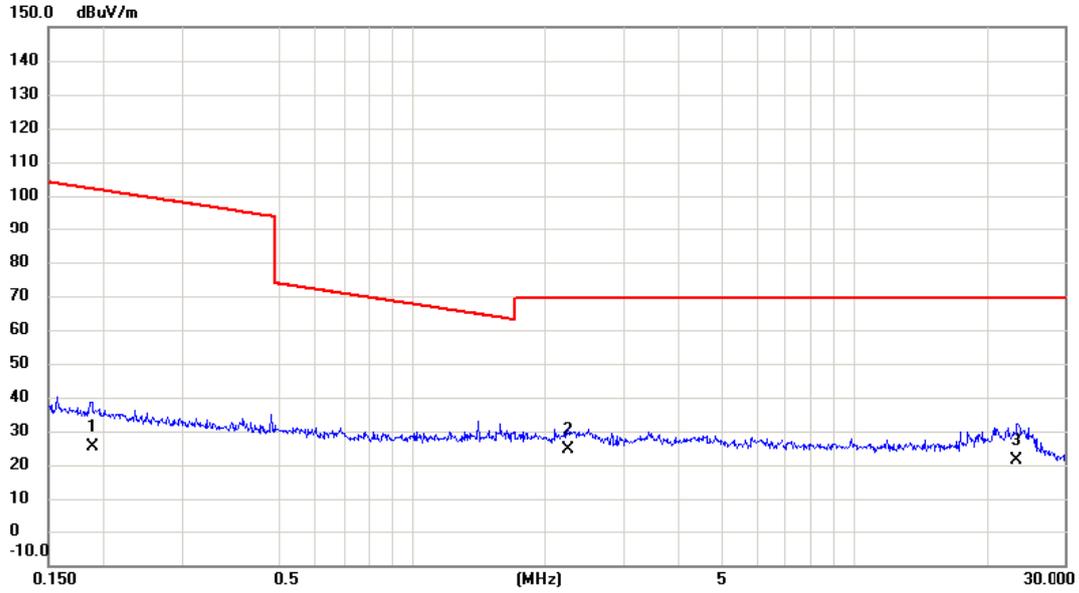
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.012	33.50	0.02	33.52	126.32	-92.80	AVG	
2		0.030	25.80	0.02	25.82	118.06	-92.24	AVG	
3	*	0.061	20.10	0.03	20.13	111.86	-91.73	AVG	

Test Mode: TX Mode_Adapter:HUNTKEY

Ant 90°

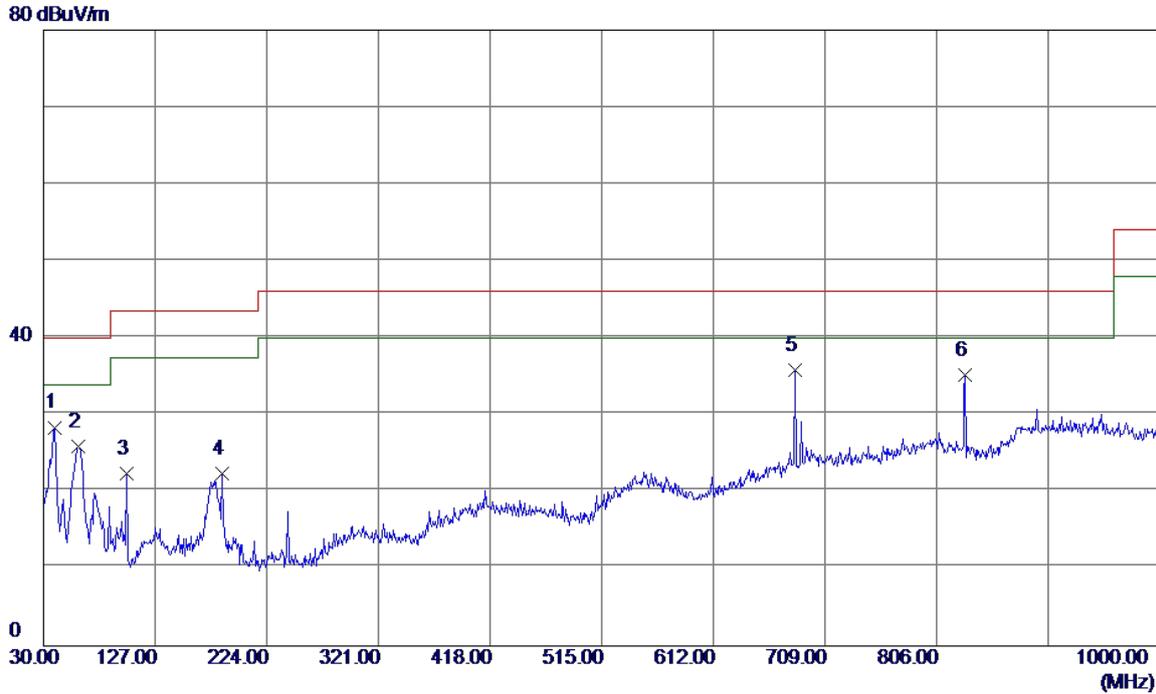


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.188	25.30	0.04	25.34	102.10	-76.76	AVG	
2	*	2.249	24.50	0.11	24.61	69.54	-44.93	QP	
3		23.263	21.10	0.37	21.47	69.54	-48.07	QP	

ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Mode: TX 2402MHz _CH00_1Mbps_Adapter:BYD

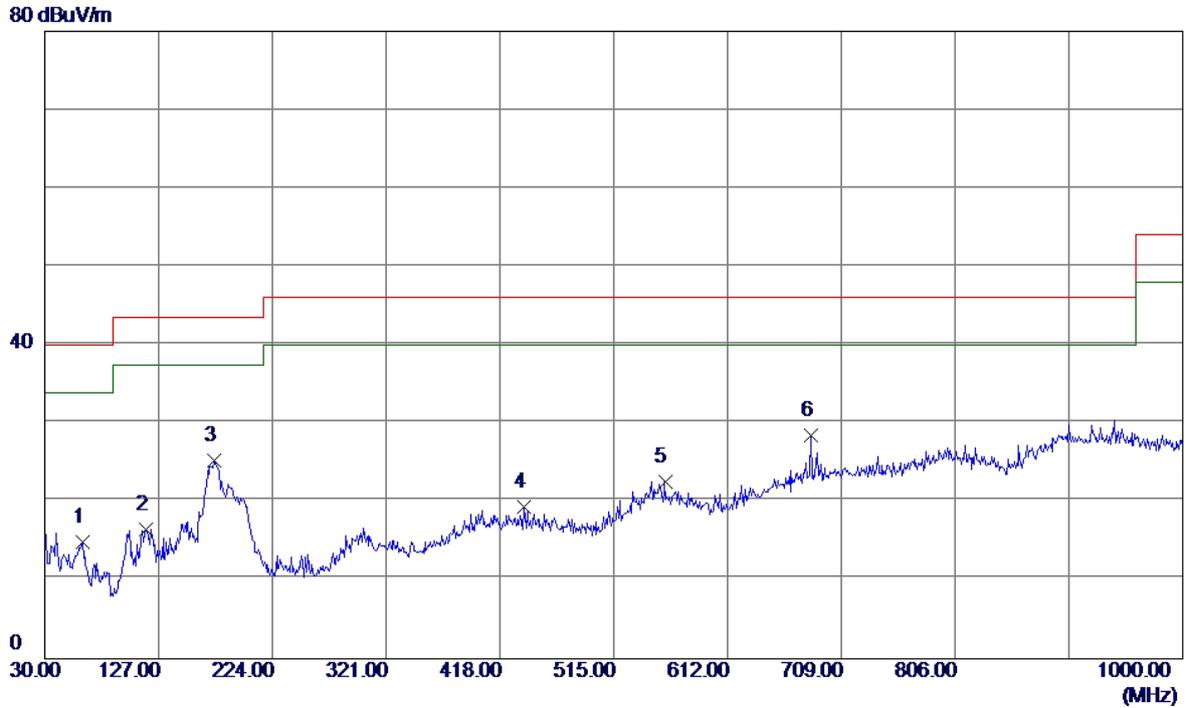
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	39.7000	42.35	-13.95	28.40	40.00	-11.60	Peak	
2	60.0700	39.69	-13.74	25.95	40.00	-14.05	Peak	
3	101.7800	37.67	-15.32	22.35	43.50	-21.15	Peak	
4	185.2000	35.83	-13.41	22.42	43.50	-21.08	Peak	
5 *	682.8100	38.69	-2.82	35.87	46.00	-10.13	Peak	
6	831.2199	35.88	-0.68	35.20	46.00	-10.80	Peak	

Test Mode: TX 2402MHz _CH00_1Mbps_Adapter:BYD

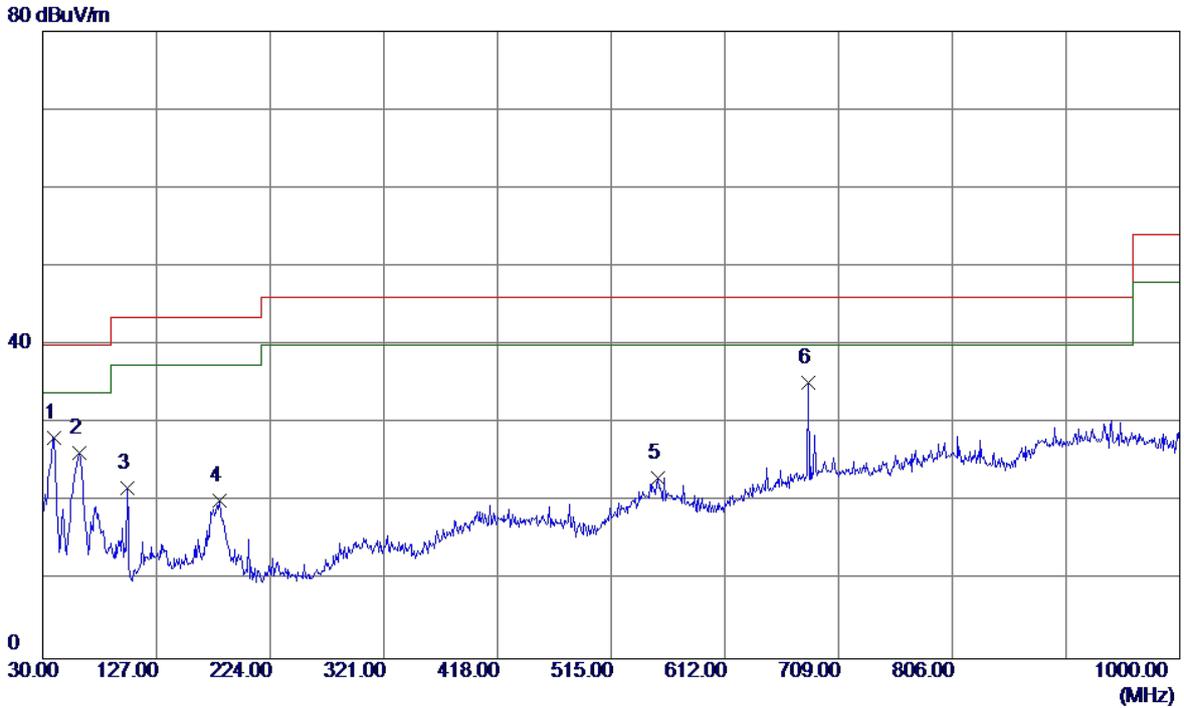
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	62.0100	29.14	-14.30	14.84	40.00	-25.16	Peak	
2	116.3300	30.45	-13.90	16.55	43.50	-26.95	Peak	
3	174.5300	37.85	-12.51	25.34	43.50	-18.16	Peak	
4	438.3700	27.27	-7.95	19.32	46.00	-26.68	Peak	
5	558.6500	27.50	-4.98	22.52	46.00	-23.48	Peak	
6 *	682.8100	31.28	-2.82	28.46	46.00	-17.54	Peak	

Test Mode: TX 2480MHz _CH39_1Mbps _Adapter:BYD

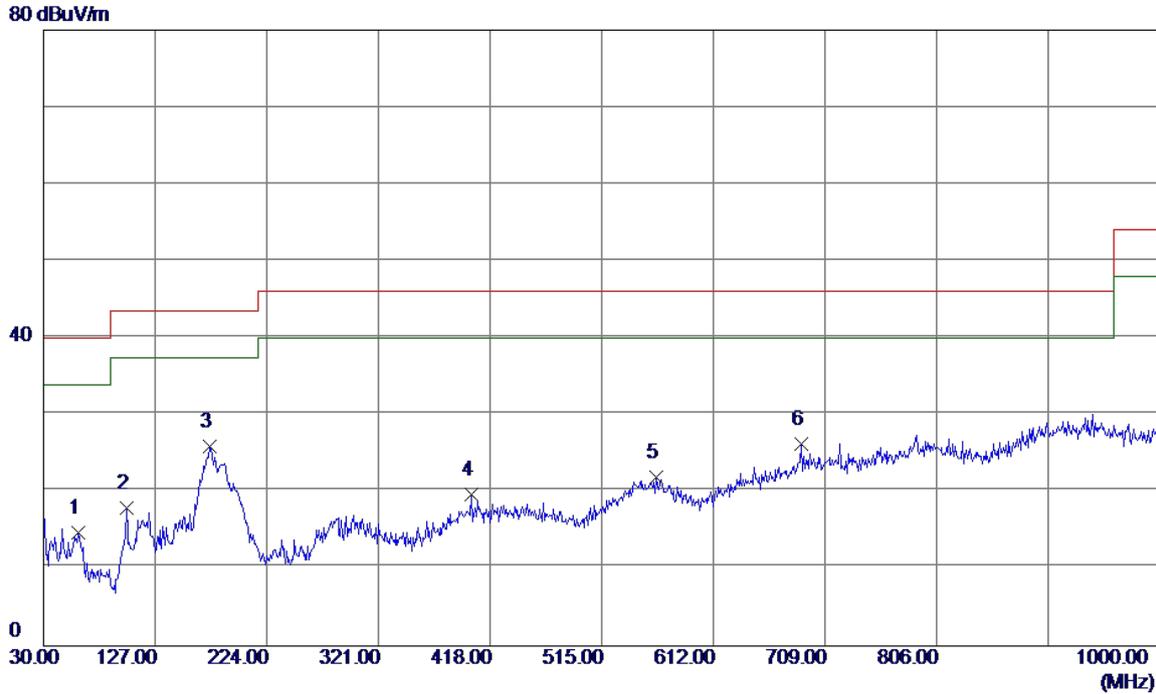
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	39.7000	42.14	-13.95	28.19	40.00	-11.81	Peak	
2	61.0400	40.28	-14.02	26.26	40.00	-13.74	Peak	
3	101.7800	37.11	-15.32	21.79	43.50	-21.71	Peak	
4	181.3200	33.16	-12.98	20.18	43.50	-23.32	Peak	
5	554.7700	27.88	-4.78	23.10	46.00	-22.90	Peak	
6 *	682.8100	38.07	-2.82	35.25	46.00	-10.75	Peak	

Test Mode: TX 2480MHz _CH39_1Mbps _Adapter:BYD

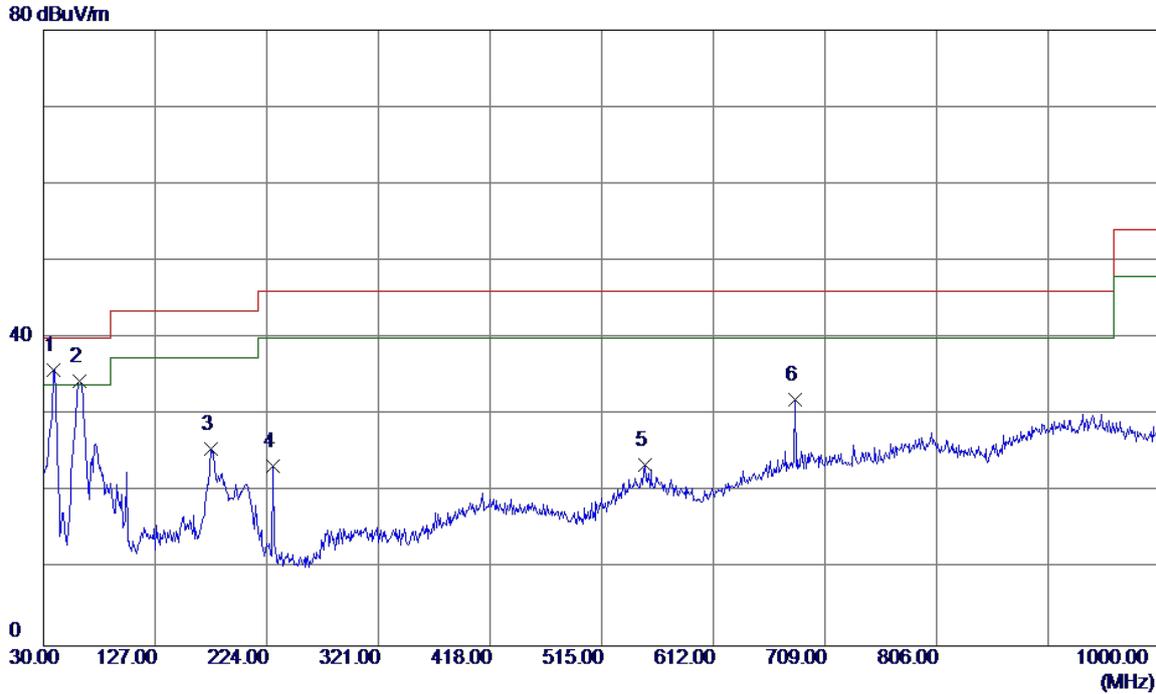
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	60.0700	28.45	-13.74	14.71	40.00	-25.29	Peak	
2	101.7800	33.21	-15.32	17.89	43.50	-25.61	Peak	
3 *	174.5300	38.42	-12.51	25.91	43.50	-17.59	Peak	
4	401.5100	27.41	-7.79	19.62	46.00	-26.38	Peak	
5	562.5300	27.03	-5.17	21.86	46.00	-24.14	Peak	
6	688.6300	28.80	-2.57	26.23	46.00	-19.77	Peak	

Test Mode: TX 2402MHz_CH00_1Mbps_Adapter:PHITEK

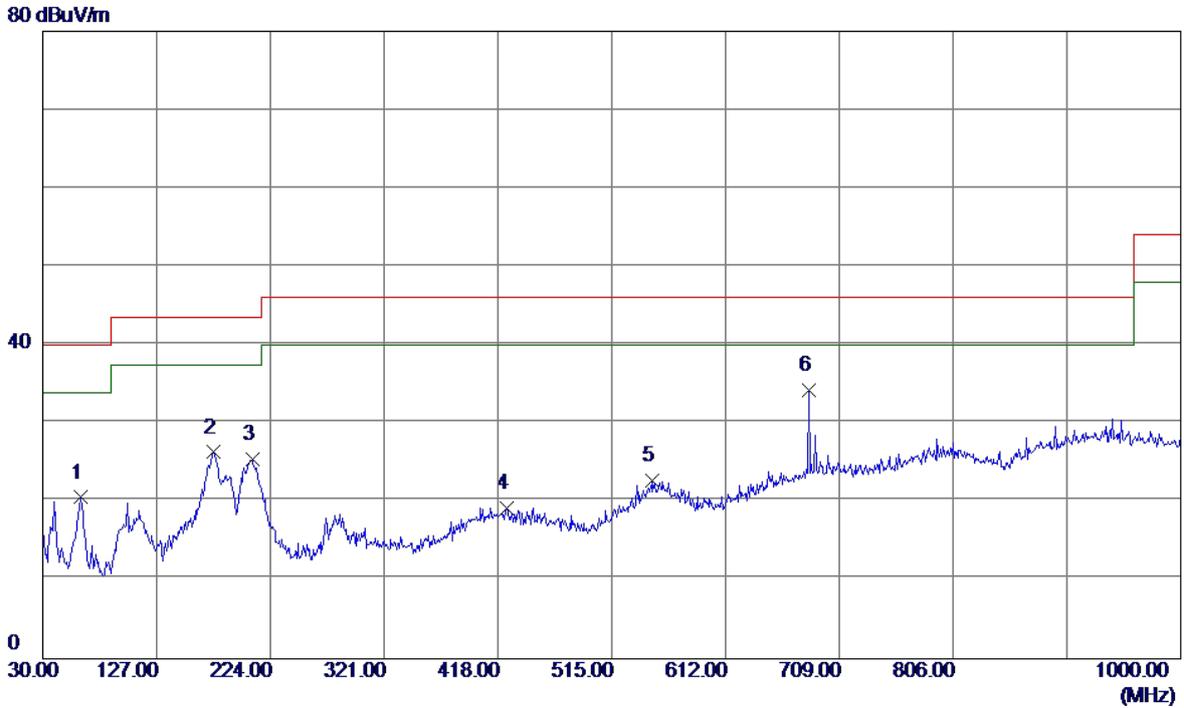
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	38.7300	49.90	-14.06	35.84	40.00	-4.16	Peak	
2	61.0400	48.47	-14.02	34.45	40.00	-5.55	Peak	
3	175.5000	38.14	-12.57	25.57	43.50	-17.93	Peak	
4	229.8200	36.73	-13.38	23.35	46.00	-22.65	Peak	
5	552.8300	28.13	-4.68	23.45	46.00	-22.55	Peak	
6	682.8100	34.85	-2.82	32.03	46.00	-13.97	Peak	

Test Mode: TX 2402MHz_CH00_1Mbps_Adapter:PHITEK

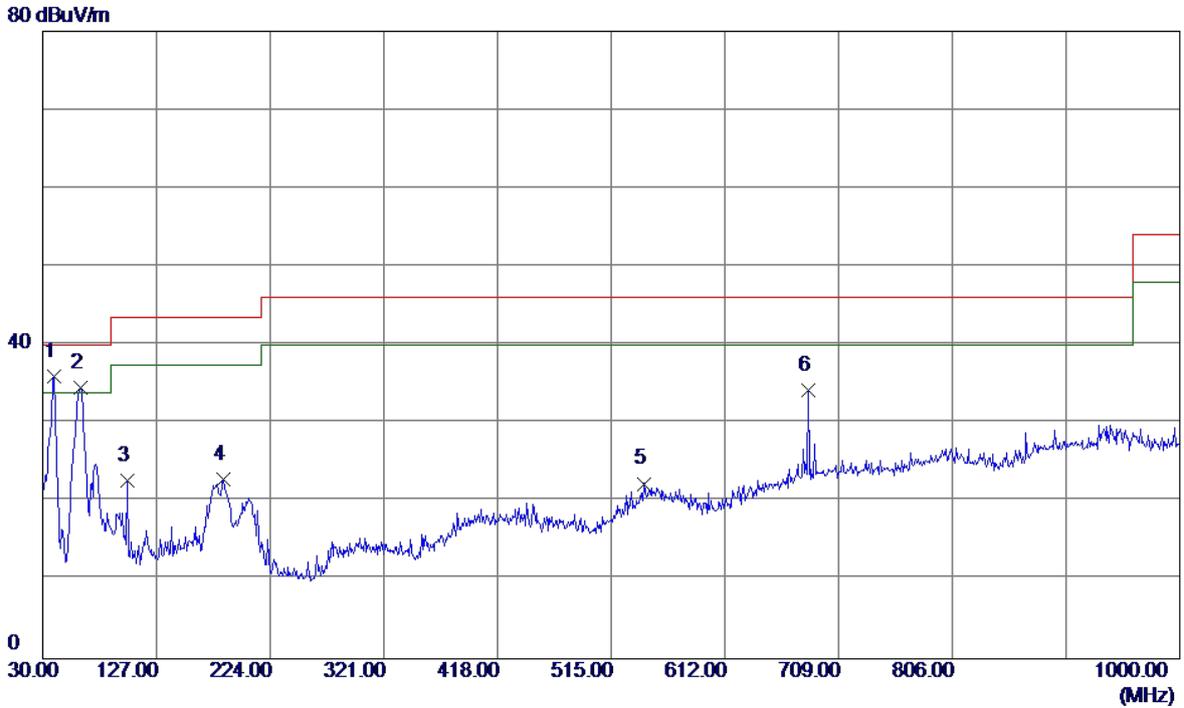
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	62.0100	34.86	-14.30	20.56	40.00	-19.44	Peak	
2	175.5000	38.89	-12.57	26.32	43.50	-17.18	Peak	
3	208.4800	40.05	-14.61	25.44	43.50	-18.06	Peak	
4	425.7600	27.07	-7.89	19.18	46.00	-26.82	Peak	
5	549.9200	27.21	-4.55	22.66	46.00	-23.34	Peak	
6 *	682.8100	36.99	-2.82	34.17	46.00	-11.83	Peak	

Test Mode: TX 2480MHz_CH39_1Mbps_Adapter:PHITEK

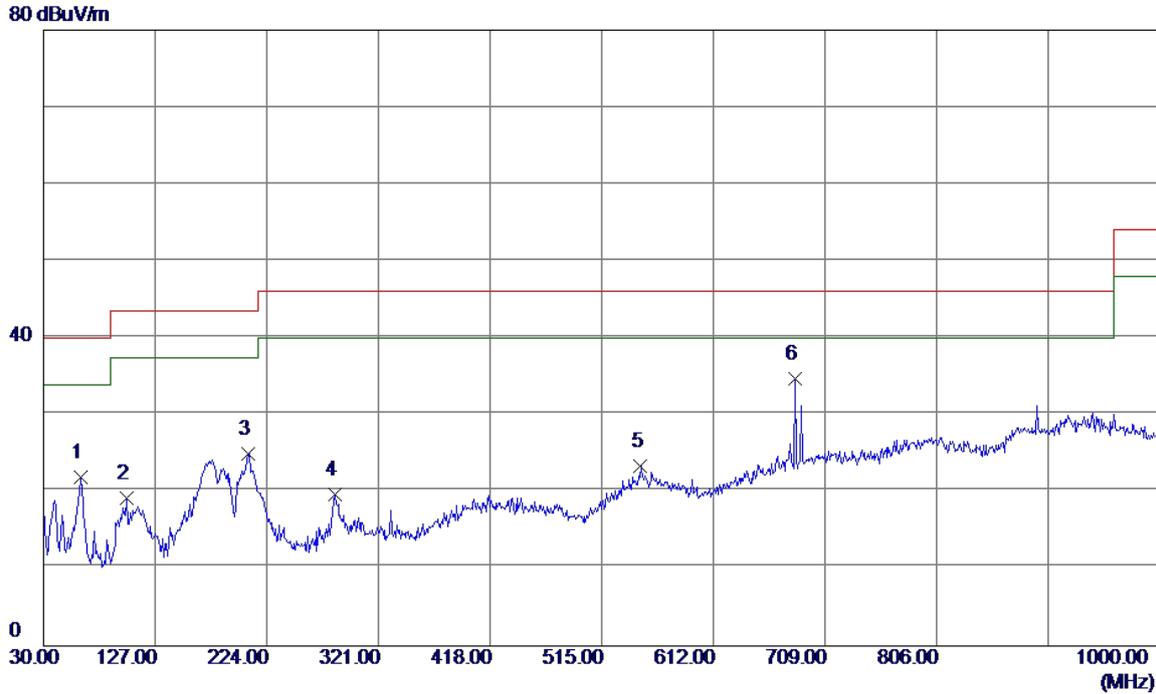
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	39.7000	49.91	-13.95	35.96	40.00	-4.04	Peak	
2	62.0100	48.92	-14.30	34.62	40.00	-5.38	Peak	
3	101.7800	38.06	-15.32	22.74	43.50	-20.76	Peak	
4	184.2300	36.24	-13.30	22.94	43.50	-20.56	Peak	
5	543.1300	27.57	-5.25	22.32	46.00	-23.68	Peak	
6	682.8100	37.06	-2.82	34.24	46.00	-11.76	Peak	

Test Mode: TX 2480MHz_CH39_1Mbps_Adapter:PHITEK

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	62.0100	36.20	-14.30	21.90	40.00	-18.10	Peak	
2	101.7800	34.57	-15.32	19.25	43.50	-24.25	Peak	
3	207.5100	39.54	-14.59	24.95	43.50	-18.55	Peak	
4	283.1700	31.44	-11.78	19.66	46.00	-26.34	Peak	
5	548.9500	28.00	-4.65	23.35	46.00	-22.65	Peak	
6 *	682.8100	37.52	-2.82	34.70	46.00	-11.30	Peak	

Test Mode: TX 2402MHz_CH00_1Mbps_Adapter:HUNTKEY

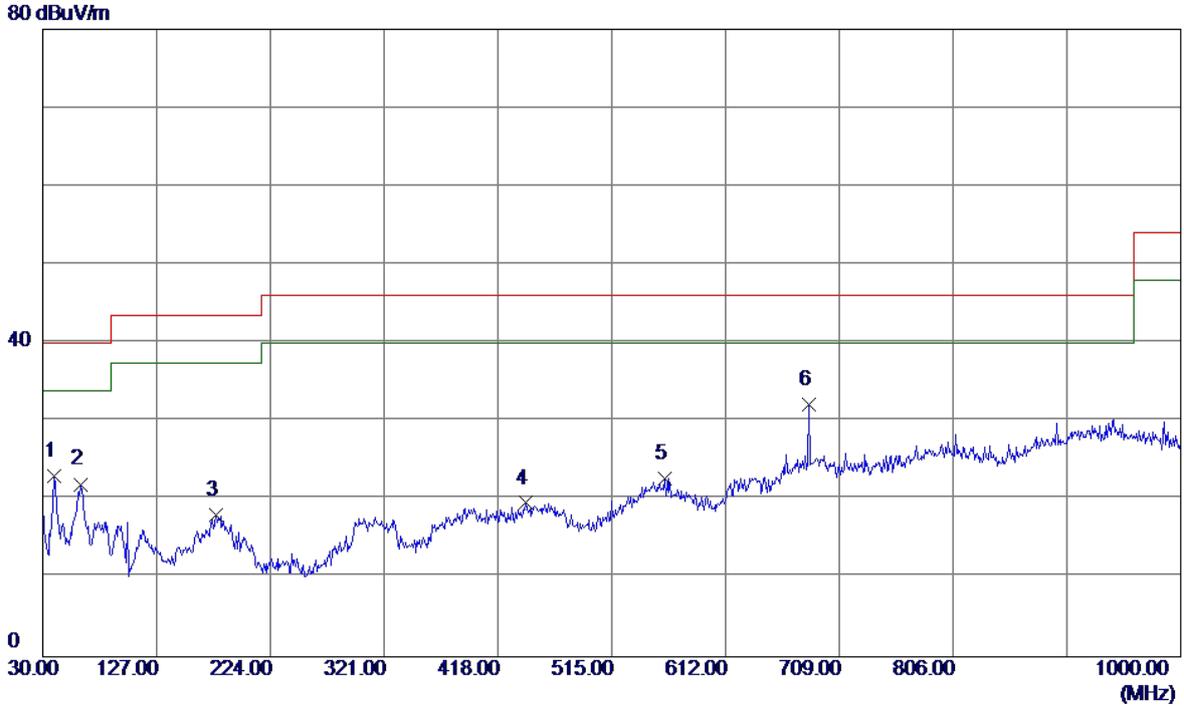
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	38.730	49.81	-14.06	35.75	40.00	-4.25	peak	
2	!	61.040	48.97	-14.02	34.95	40.00	-5.05	peak	
3		74.620	42.55	-16.58	25.97	40.00	-14.03	peak	
4		140.580	33.95	-13.71	20.24	43.50	-23.26	peak	
5		188.110	32.38	-13.73	18.65	43.50	-24.85	peak	
6		682.810	38.38	-2.81	35.57	46.00	-10.43	peak	

Test Mode: TX 2402MHz_CH00_1Mbps_Adapter:HUNTKEY

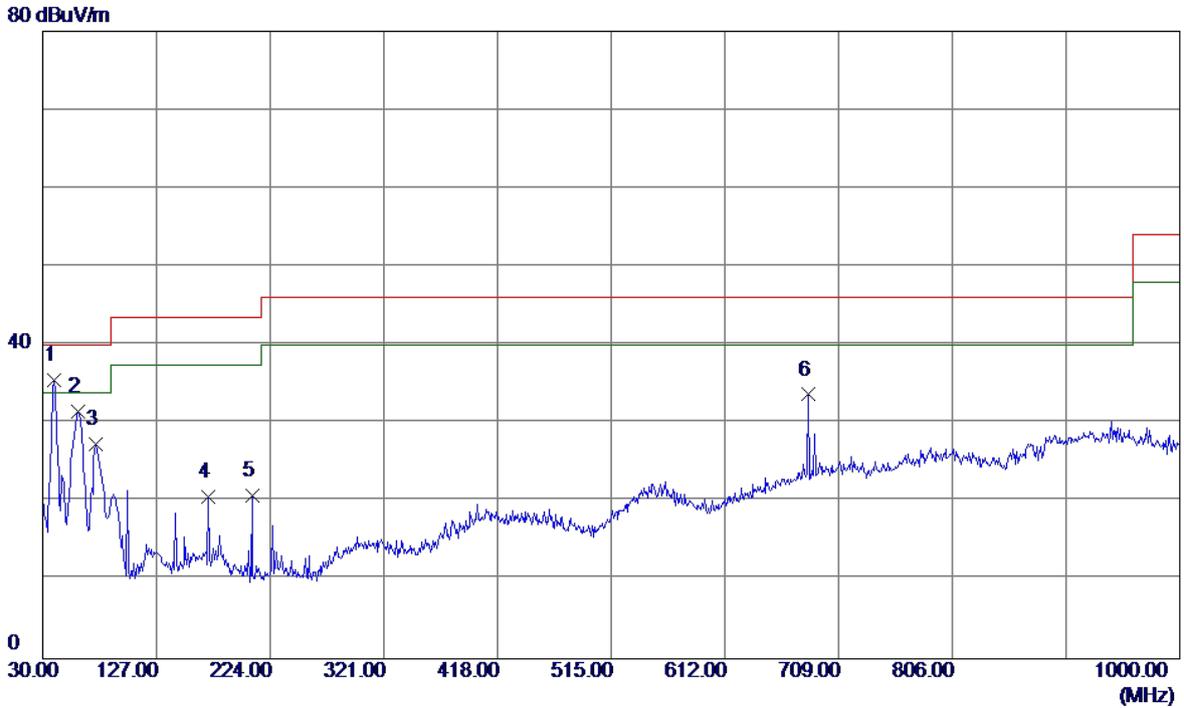
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	39.7096	36.93	-13.95	22.98	40.00	-17.02	Peak	
2	62.0420	36.31	-14.31	22.00	40.00	-18.00	Peak	
3	177.5875	30.82	-12.69	18.13	43.50	-25.37	Peak	
4	441.6915	27.56	-7.96	19.60	46.00	-26.40	Peak	
5	560.1500	27.84	-5.05	22.79	46.00	-23.21	Peak	
6 *	683.4633	35.00	-2.79	32.21	46.00	-13.79	Peak	

Test Mode: TX 2480MHz_CH39_1Mbps_Adapter:HUNTKEY

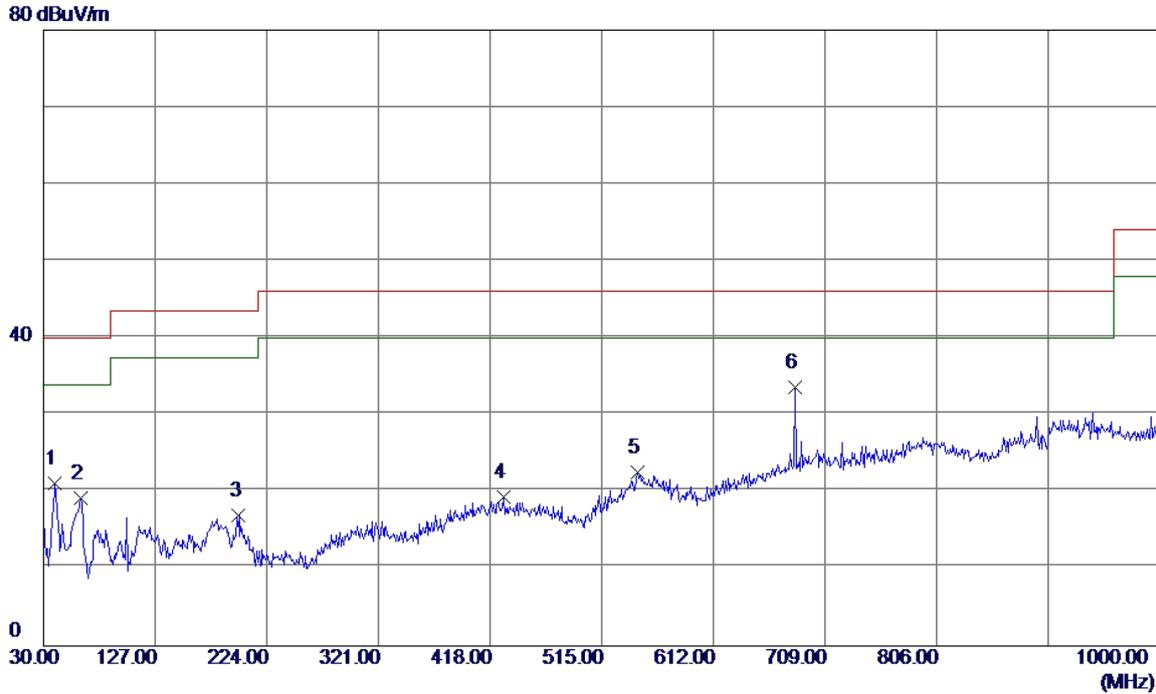
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	39.7000	49.44	-13.95	35.49	40.00	-4.51	Peak	
2	60.0700	45.24	-13.74	31.50	40.00	-8.50	Peak	
3	75.5899	43.87	-16.52	27.35	40.00	-12.65	Peak	
4	171.6200	33.00	-12.34	20.66	43.50	-22.84	Peak	
5	208.4800	35.37	-14.61	20.76	43.50	-22.74	Peak	
6	682.8100	36.50	-2.82	33.68	46.00	-12.32	Peak	

Test Mode: TX 2480MHz_CH39_1Mbps_Adapter:HUNTKEY

Horizontal



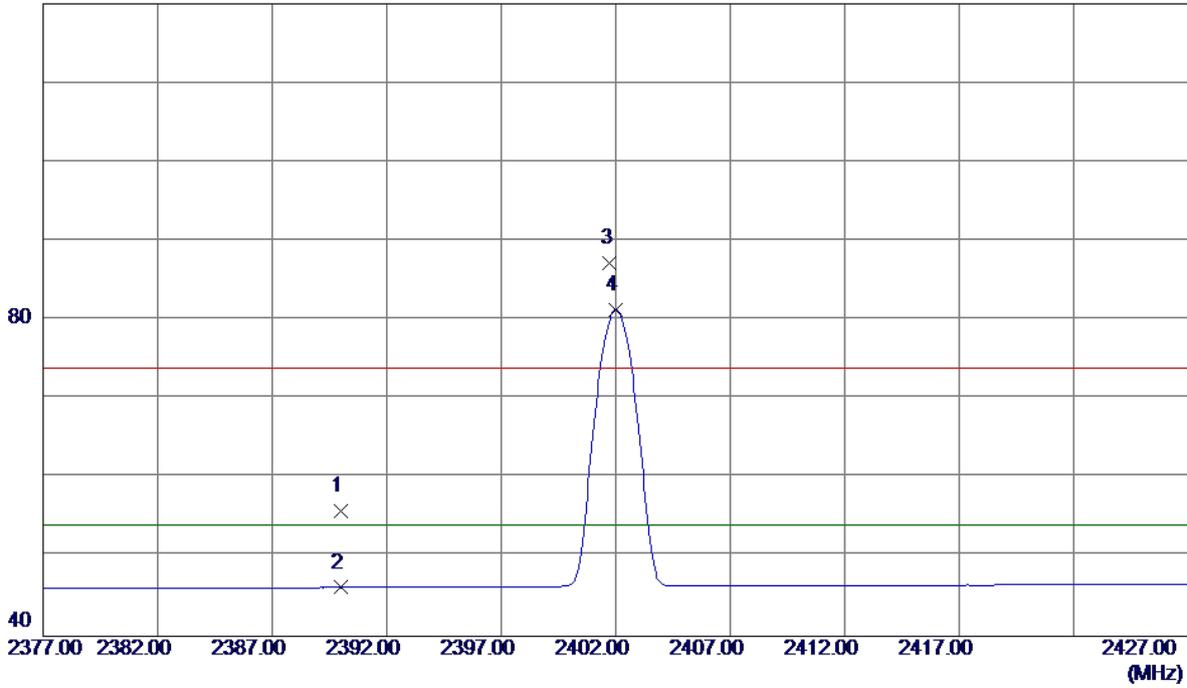
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	39.7000	35.07	-13.95	21.12	40.00	-18.88	Peak	
2	62.0100	33.48	-14.30	19.18	40.00	-20.82	Peak	
3	199.7500	31.38	-14.42	16.96	43.50	-26.54	Peak	
4	429.6400	27.34	-7.91	19.43	46.00	-26.57	Peak	
5	546.0400	27.46	-4.95	22.51	46.00	-23.49	Peak	
6 *	682.8100	36.35	-2.82	33.53	46.00	-12.47	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode : TX 2402MHz _CH00_1Mbps

Vertical

120 dBuV/m

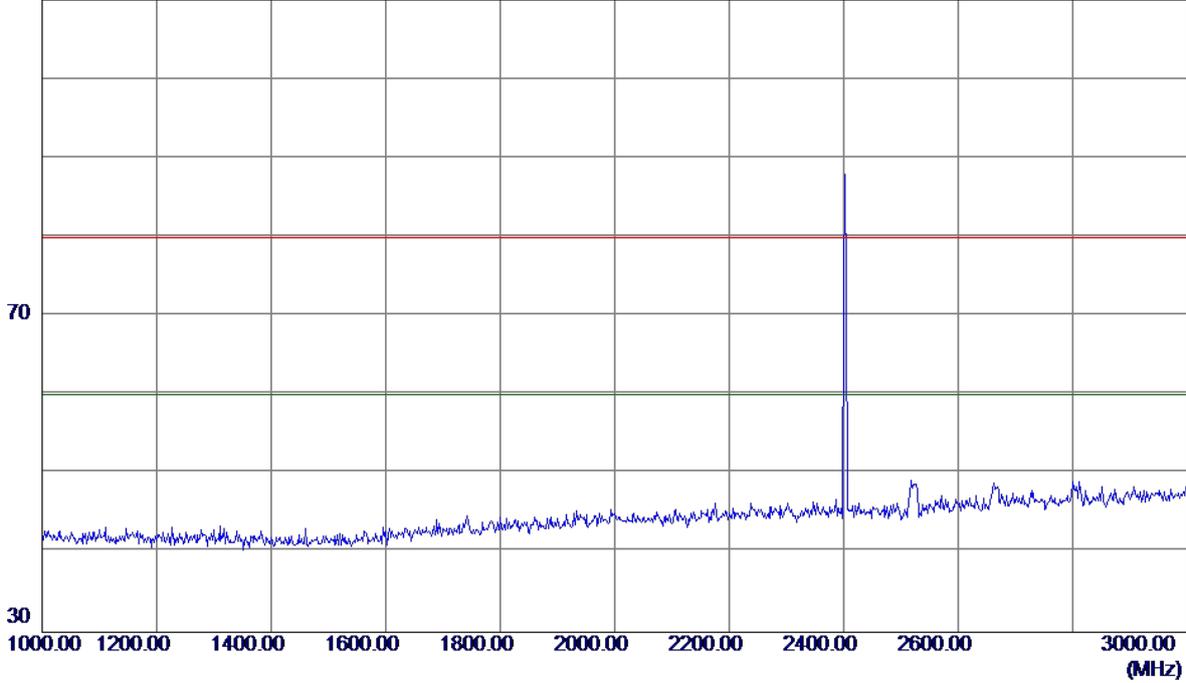


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.85	33.01	55.86	74.00	-18.14	Peak	
2	2390.0000	13.15	33.01	46.16	54.00	-7.84	AVG	
3	2401.7500	54.21	33.06	87.27	74.00	13.27	Peak	No Limit
4 *	2402.0000	48.20	33.06	81.26	54.00	27.26	AVG	No Limit

Test Mode : TX 2402MHz _CH00_1Mbps

Vertical

110 dBuV/m

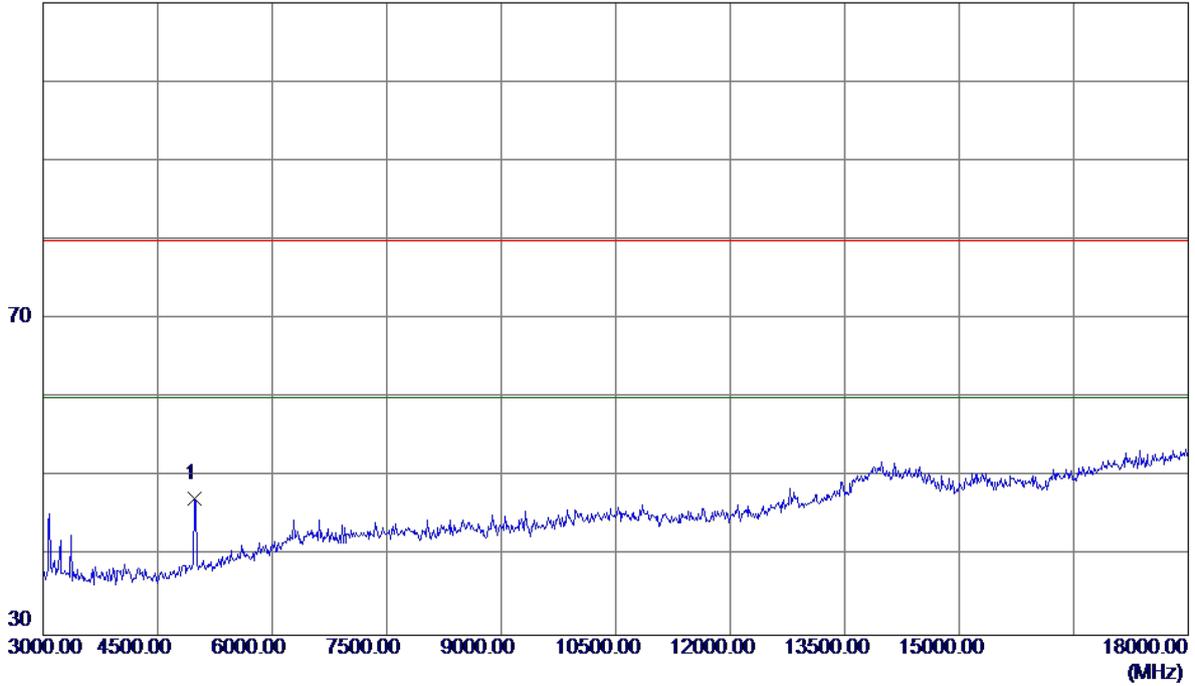


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2402MHz _CH00_1Mbps

Vertical

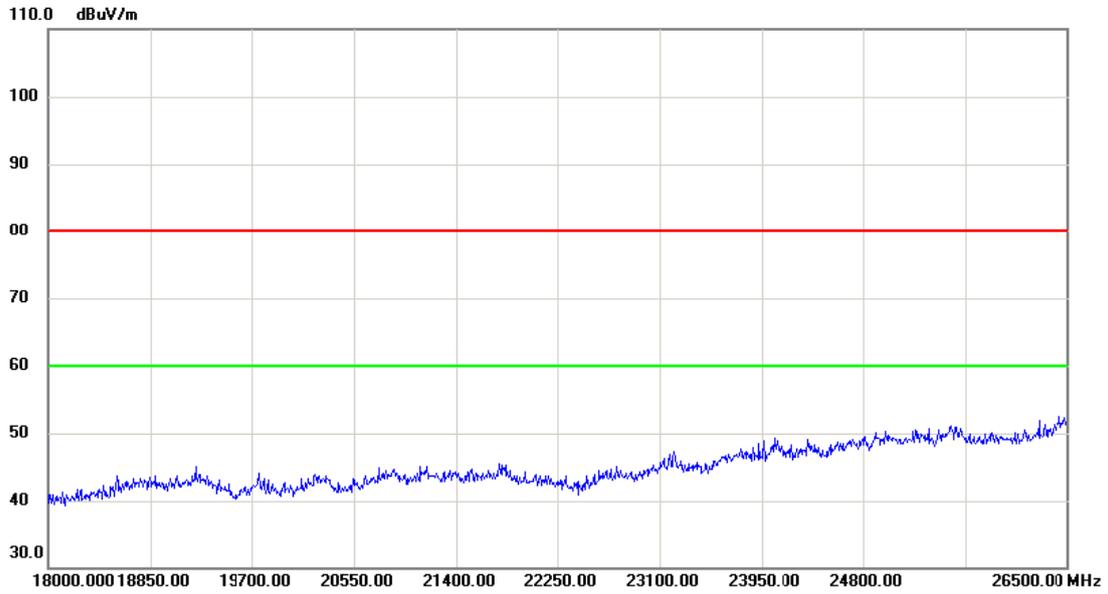
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4980.0000	41.71	5.52	47.23	80.00	-32.77	Peak	

Test Mode : TX 2402MHz _CH00_1Mbps

Vertical

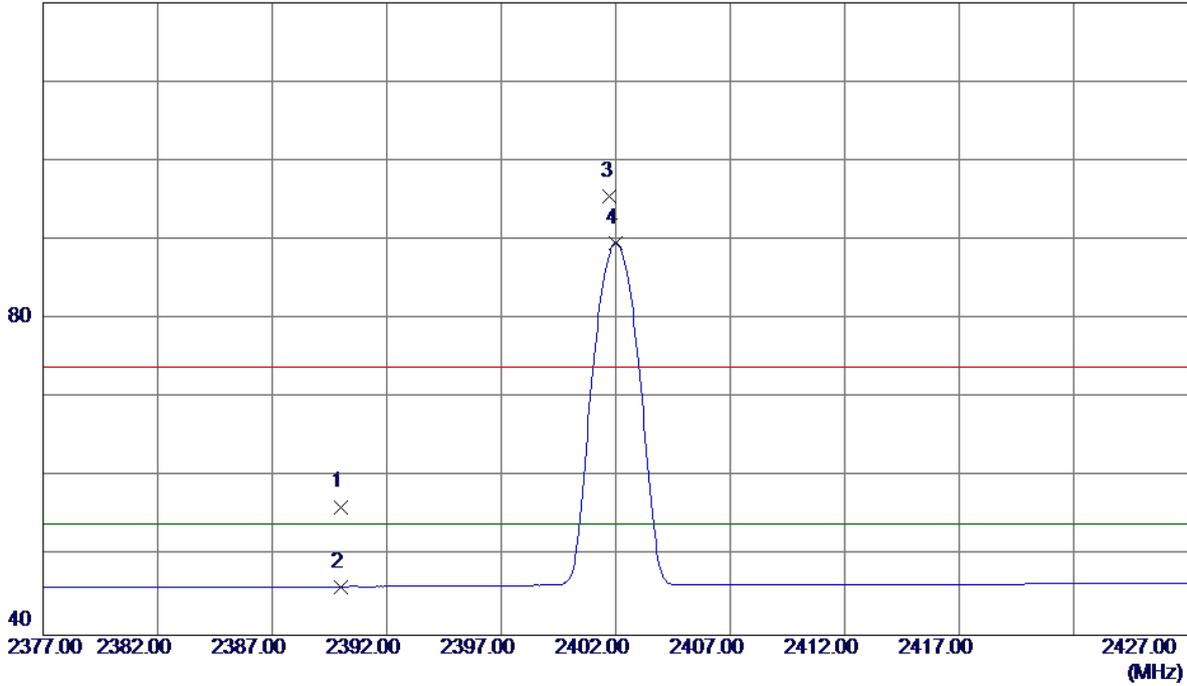


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

Test Mode : TX 2402MHz _CH00_1Mbps

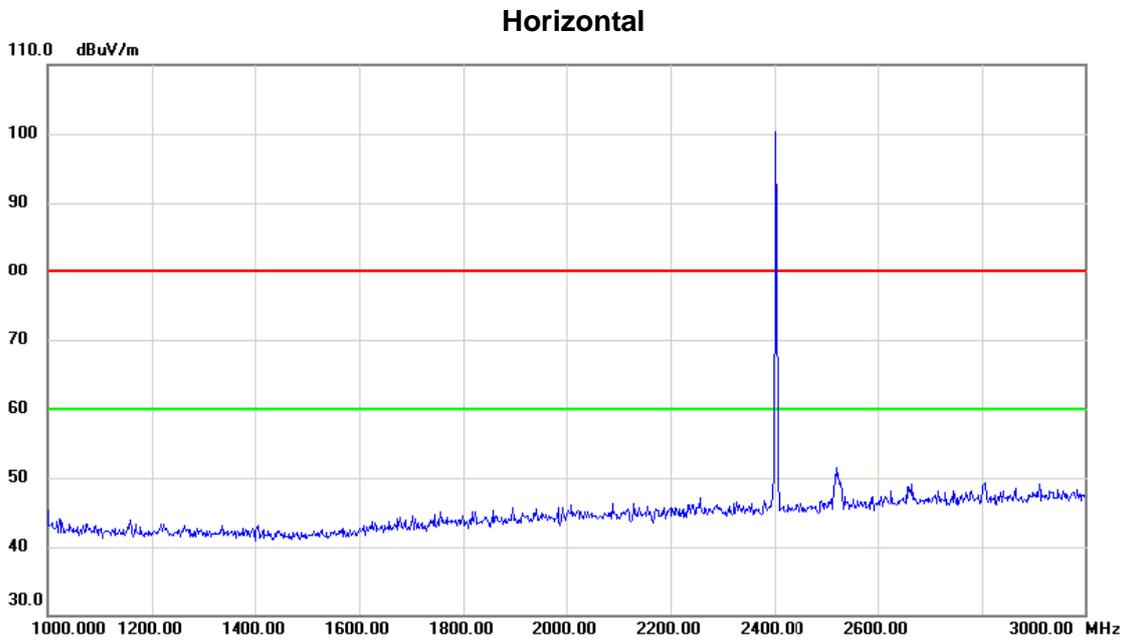
Horizontal

120 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	23.23	33.01	56.24	74.00	-17.76	Peak	
2	2390.0000	13.14	33.01	46.15	54.00	-7.85	AVG	
3	2401.7500	62.51	33.06	95.57	74.00	21.57	Peak	No Limit
4 *	2402.0000	56.54	33.06	89.60	54.00	35.60	AVG	No Limit

Test Mode : TX 2402MHz _CH00_1Mbps

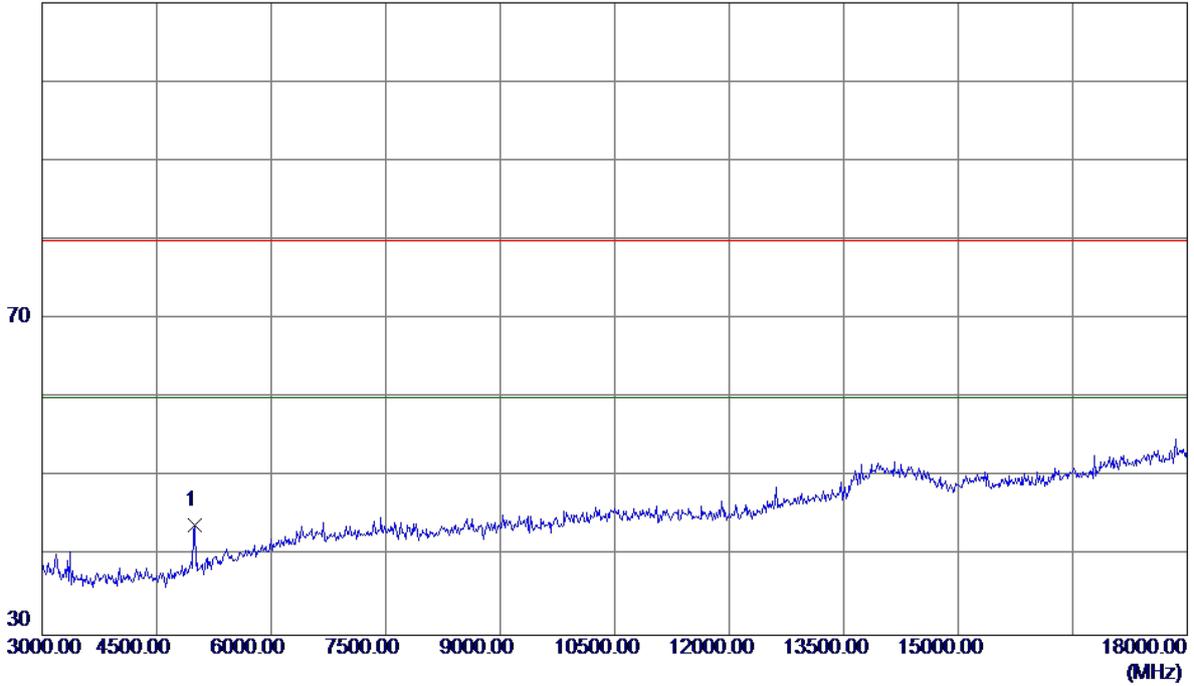


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
		2402	100		100	0	100		

Test Mode : TX 2402MHz _CH00_1Mbps

Horizontal

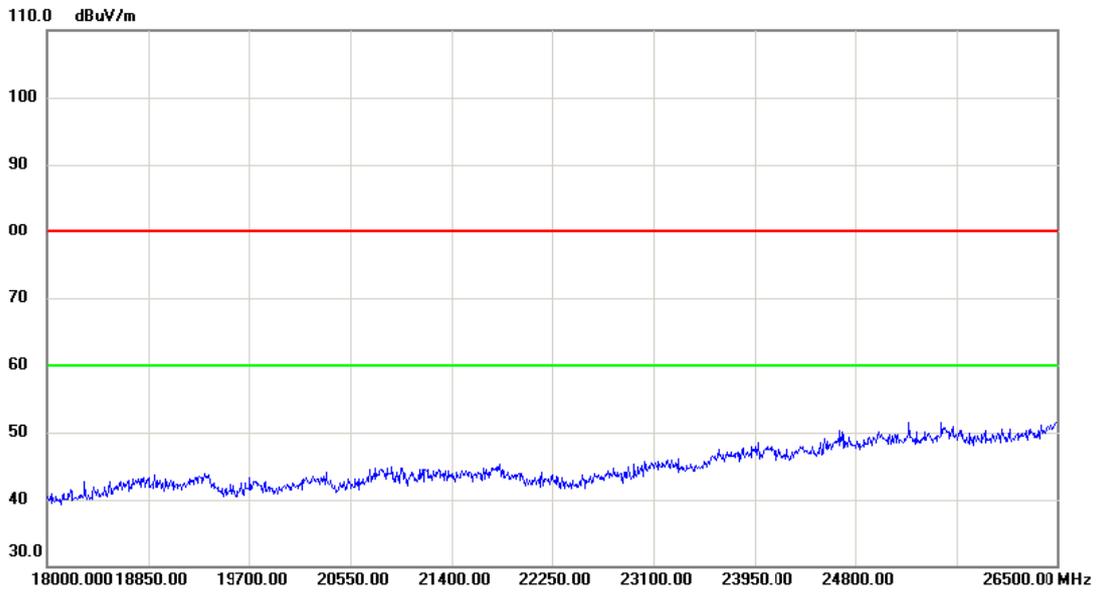
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4995.0000	38.29	5.58	43.87	80.00	-36.13	Peak	

Test Mode : TX 2402MHz _CH00_1Mbps

Horizontal

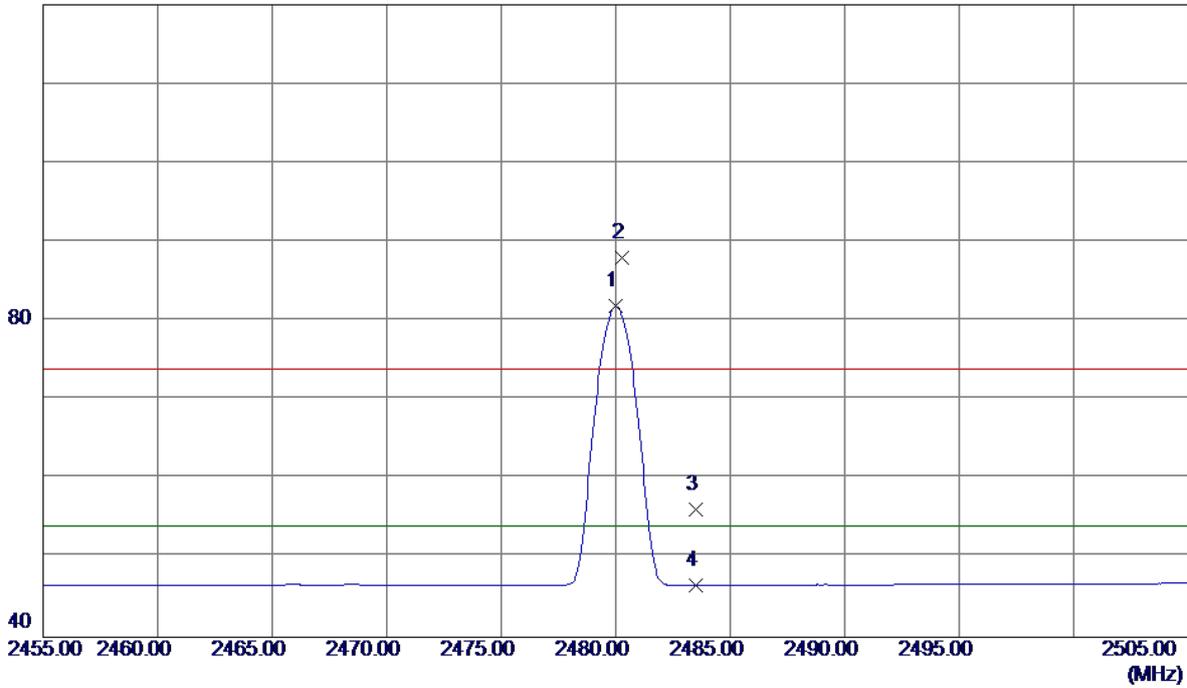


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

Test Mode : TX 2480MHz _CH39_1Mbps

Vertical

120 dBuV/m

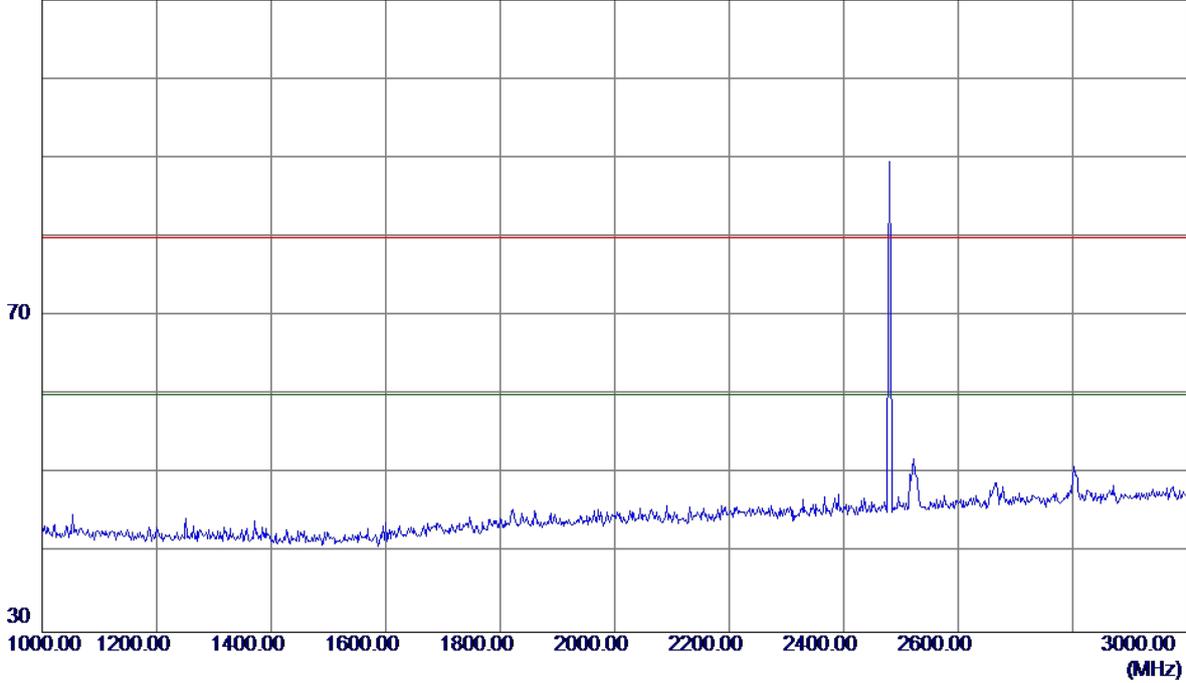


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2480.0000	48.46	33.39	81.85	54.00	27.85	AVG	No Limit
2	2480.3000	54.60	33.39	87.99	74.00	13.99	Peak	No Limit
3	2483.5000	22.76	33.40	56.16	74.00	-17.84	Peak	
4	2483.5000	13.18	33.40	46.58	54.00	-7.42	AVG	

Test Mode : TX 2480MHz _CH39_1Mbps

Vertical

110 dBuV/m

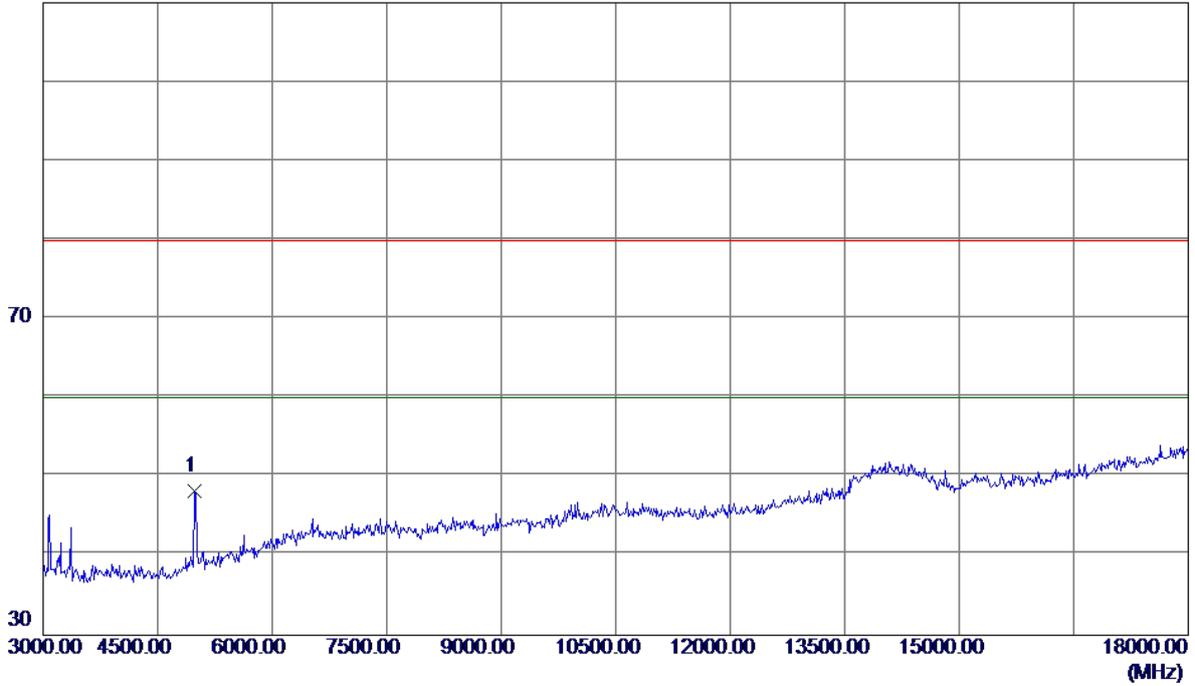


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2480MHz _CH39_1Mbps

Vertical

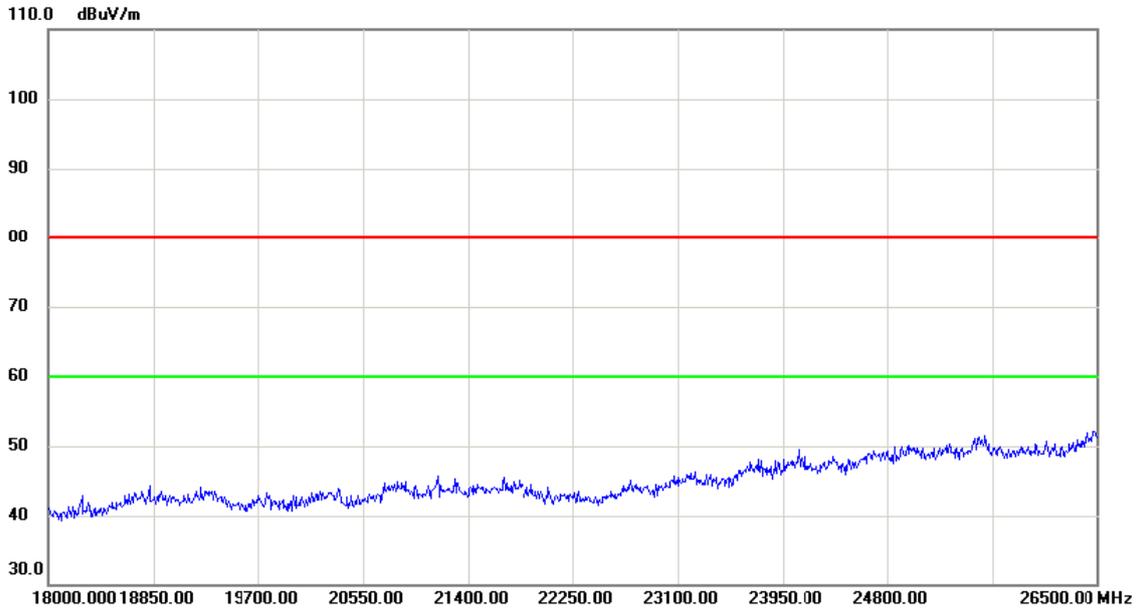
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4980.0000	42.72	5.52	48.24	80.00	-31.76	Peak	

Test Mode : TX 2480MHz _CH39_1Mbps

Vertical

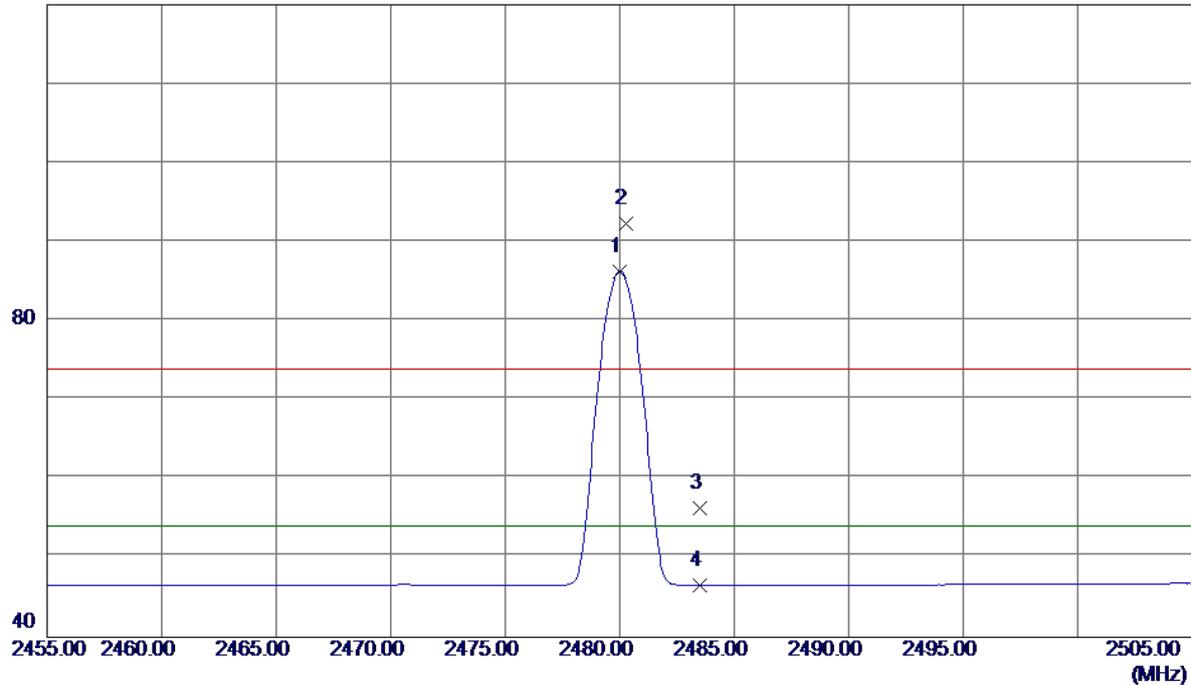


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

Test Mode : TX 2480MHz _CH39_1Mbps

Horizontal

120 dBuV/m

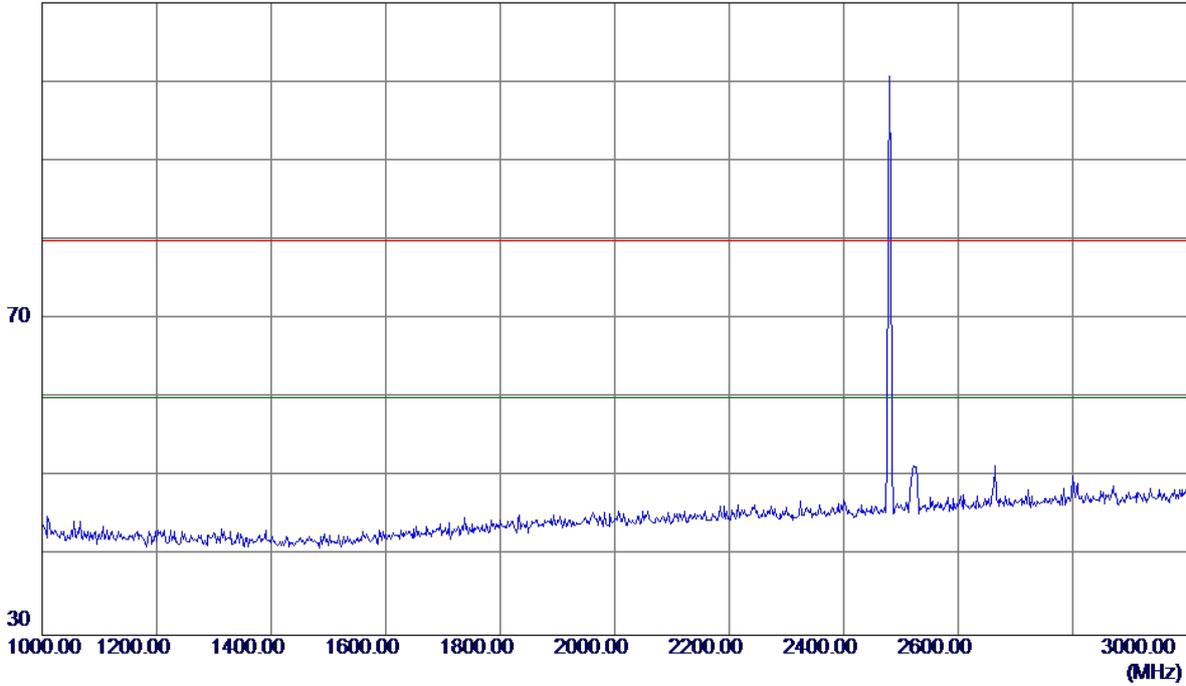


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2480.0000	52.88	33.39	86.27	54.00	32.27	AVG	No Limit
2	2480.2500	58.96	33.39	92.35	74.00	18.35	Peak	No Limit
3	2483.5000	22.99	33.40	56.39	74.00	-17.61	Peak	
4	2483.5000	13.18	33.40	46.58	54.00	-7.42	AVG	

Test Mode : TX 2480MHz _CH39_1Mbps

Horizontal

110 dBuV/m

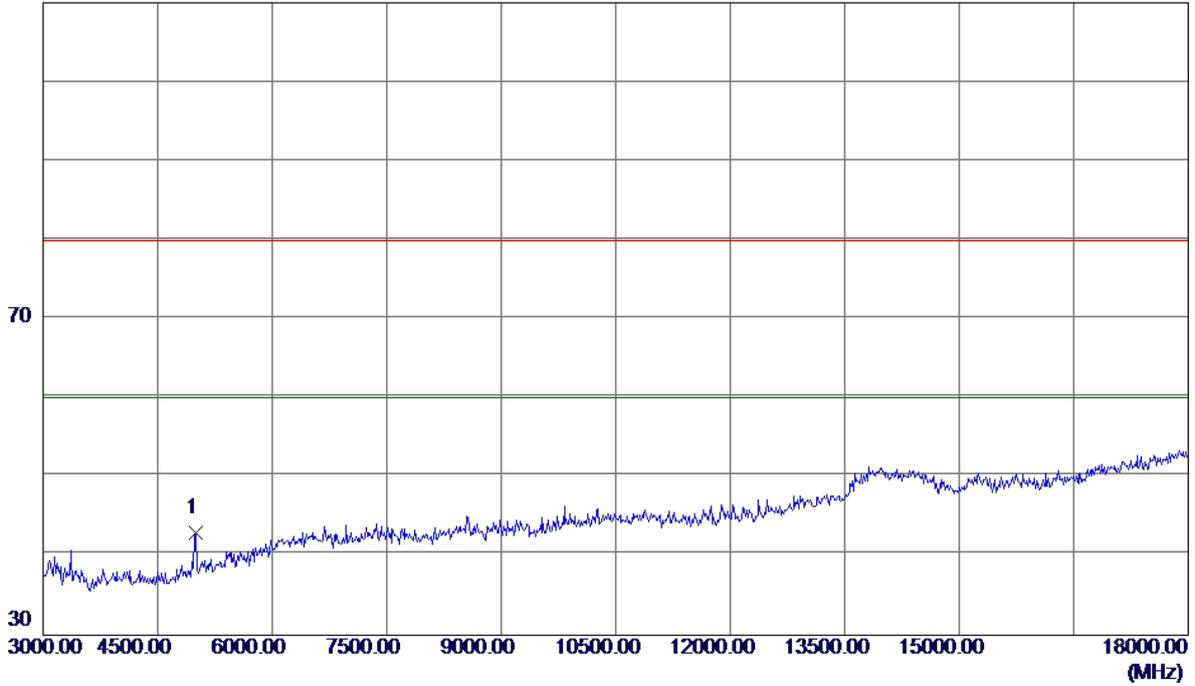


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2480MHz _CH39_1Mbps

Horizontal

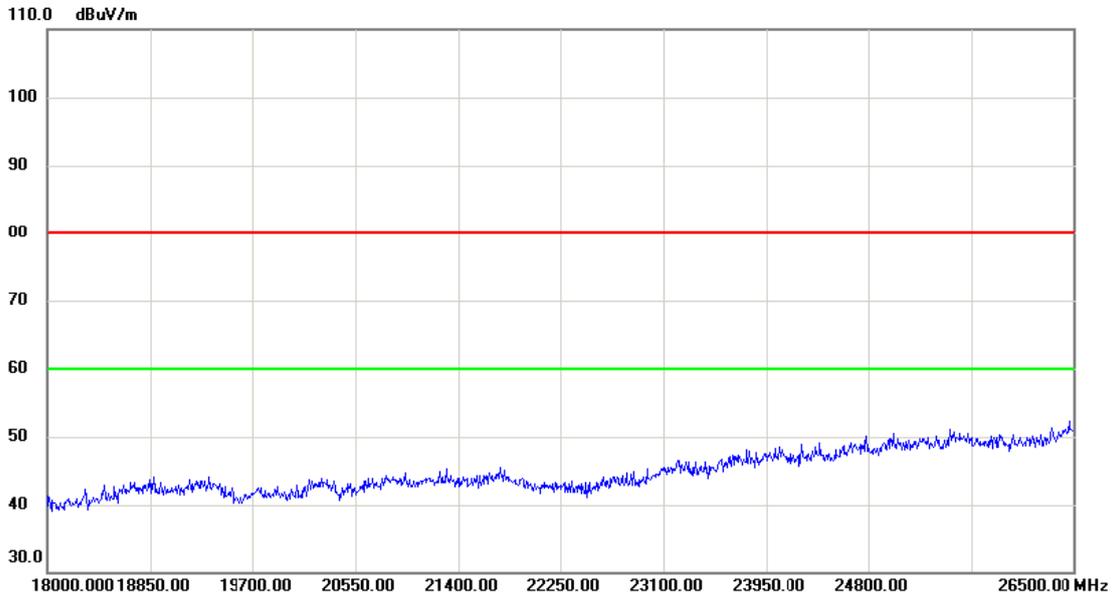
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4995.0000	37.39	5.58	42.97	80.00	-37.03	Peak	

Test Mode : TX 2480MHz _CH39_1Mbps

Horizontal



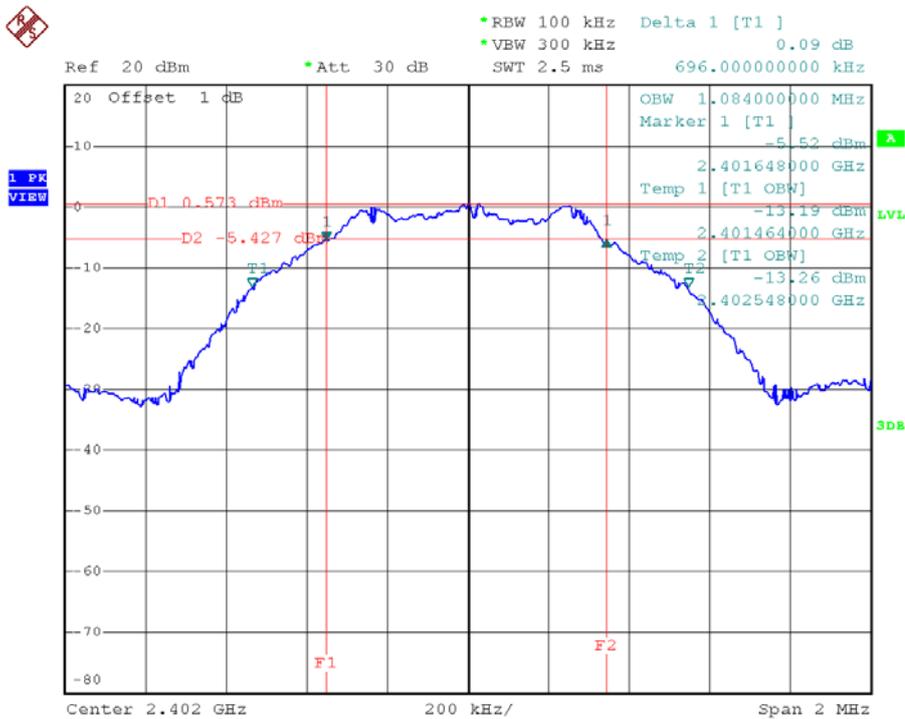
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

ATTACHMENT E - BANDWIDTH

Test Mode: TX Mode

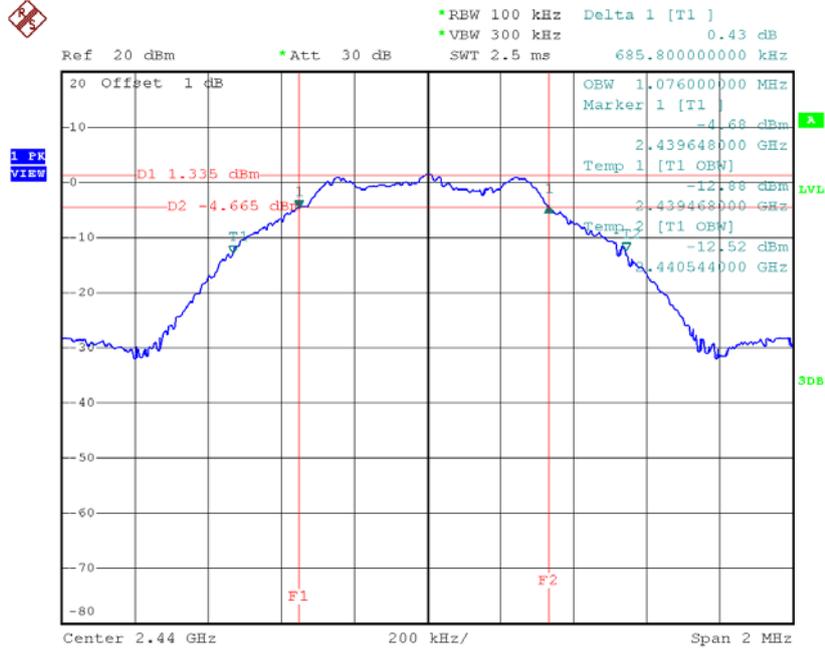
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	0.696	1.084	500	Pass
2440	0.686	1.076	500	Pass
2480	0.668	1.080	500	Pass

TX CH00



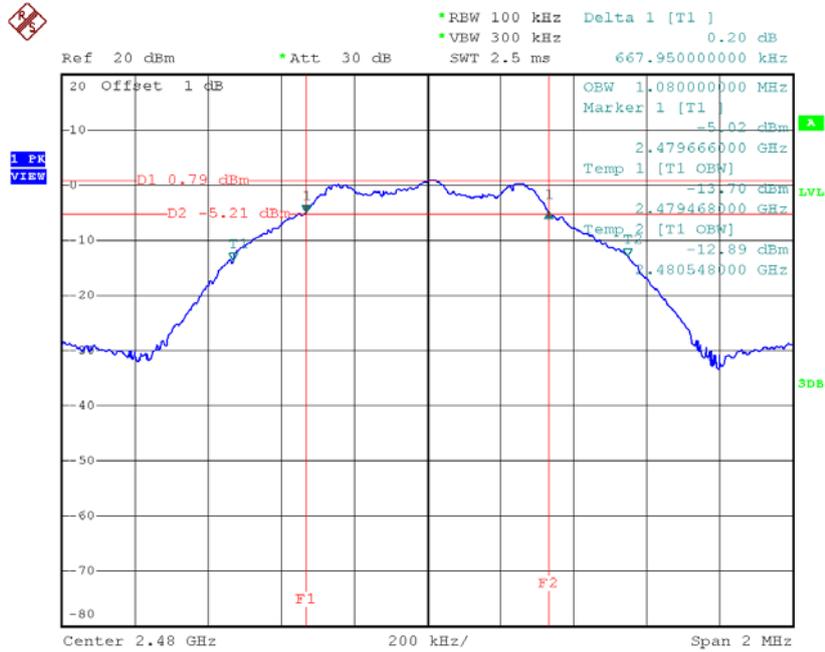
Date: 22.DEC.2016 19:49:50

TX CH19



Date: 22.DEC.2016 19:51:42

TX CH39



Date: 22.DEC.2016 19:53:02

ATTACHMENT F - MAXIMUM OUTPUT POWER TEST

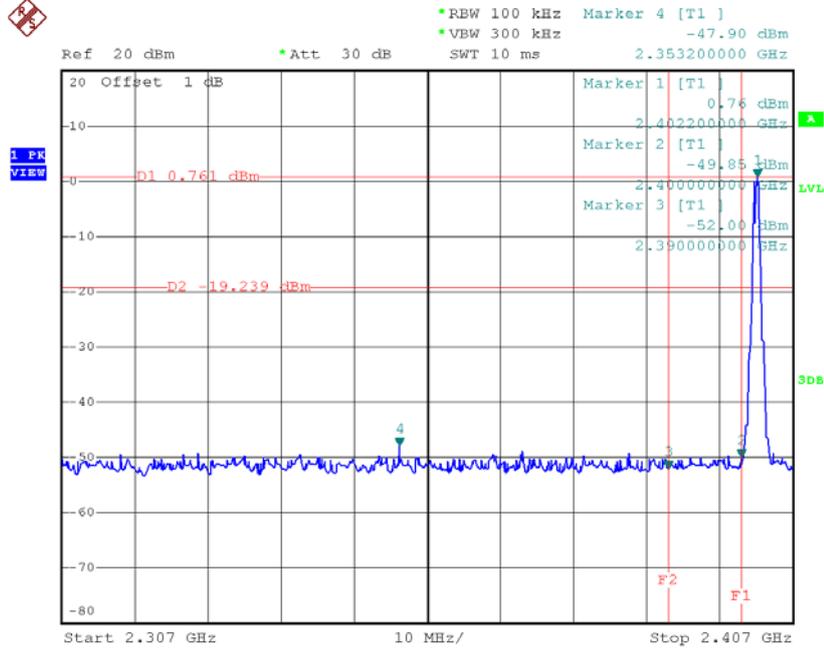
Test Mode : CH00, CH19 , CH39 - 1Mbps

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	1.23	0.0013	30.00	1.00	Pass
2440	1.56	0.0014	30.00	1.00	Pass
2480	0.78	0.0012	30.00	1.00	Pass

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

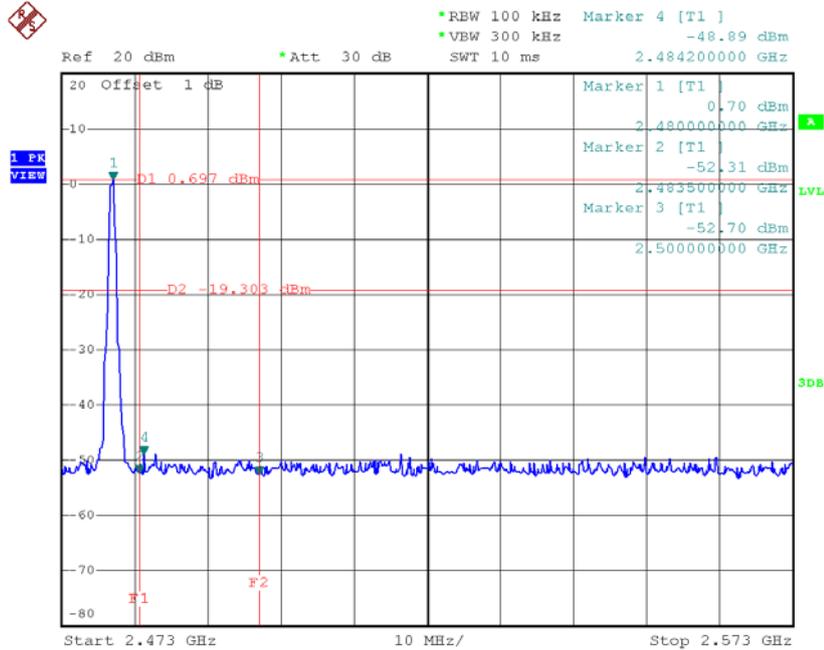
Test Mode : CH00, CH19 , CH39 - 1Mbps

CH00 (Lower) - 1Mbps



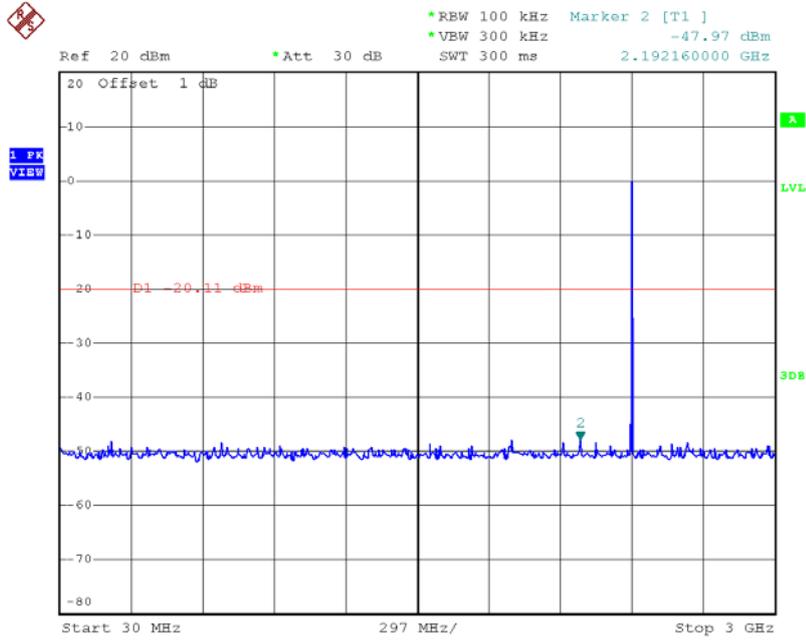
Date: 22.DEC.2016 19:49:58

CH39 (upper) - 1Mbps



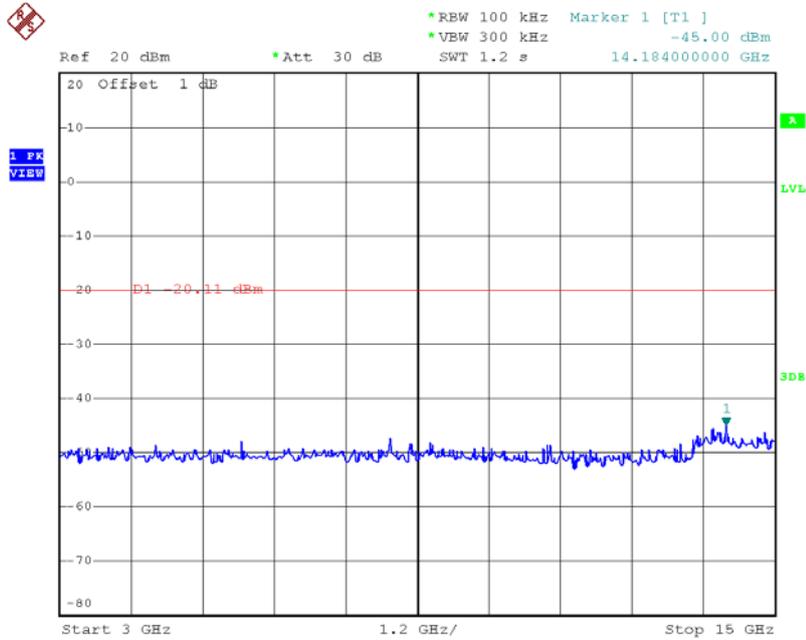
Date: 22.DEC.2016 19:53:10

CH00 (10 Harmonic of the frequency) 1



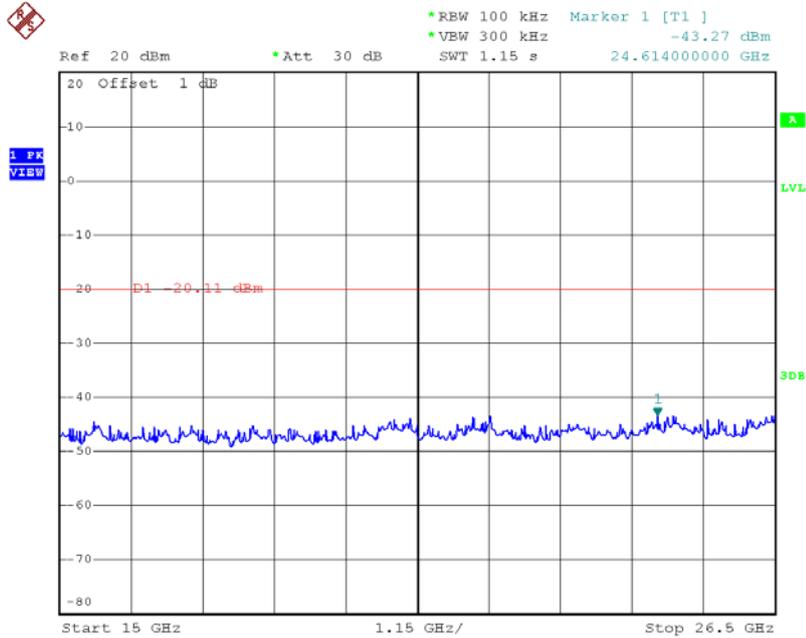
Date: 22.DEC.2016 19:50:12

CH00 (10 Harmonic of the frequency) 2



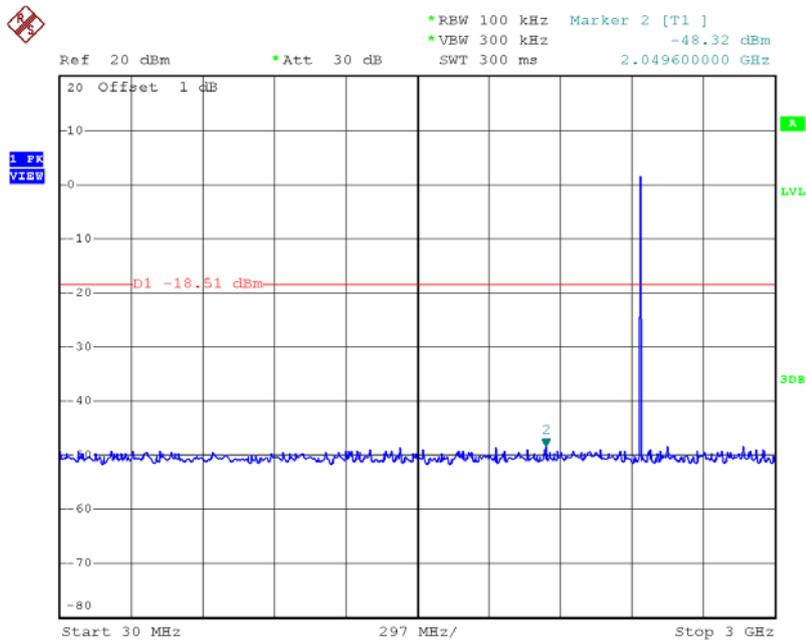
Date: 22.DEC.2016 19:50:20

CH00 (10 Harmonic of the frequency) 3



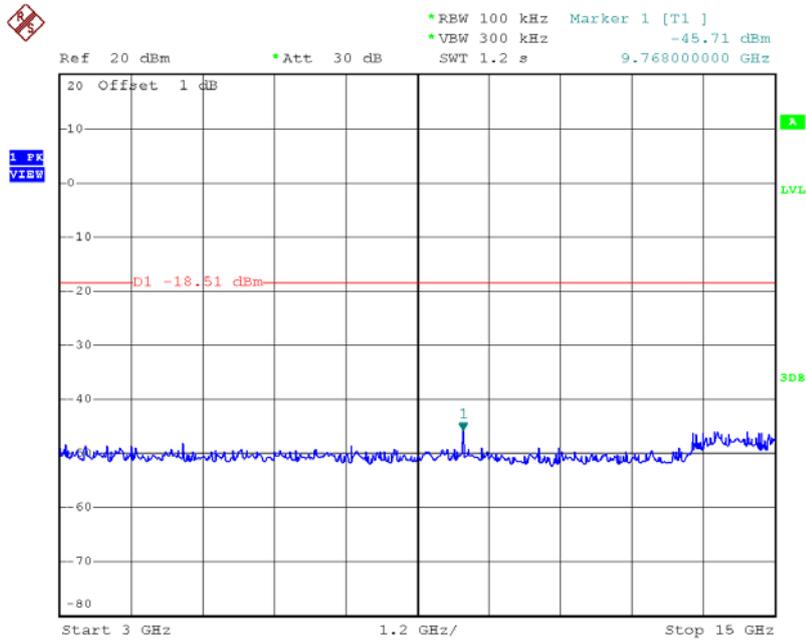
Date: 22.DEC.2016 19:50:28

CH19 (10 Harmonic of the frequency) 1



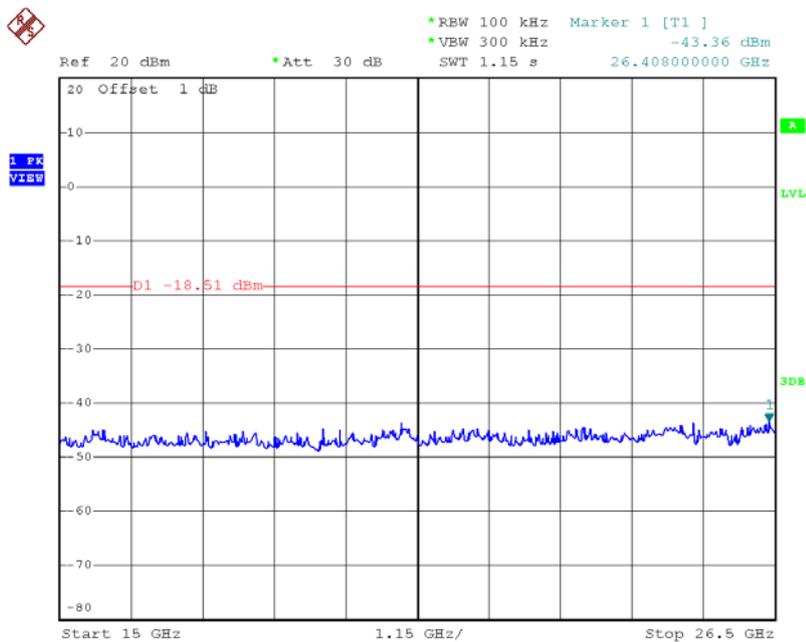
Date: 22.DEC.2016 19:51:56

CH19 (10 Harmonic of the frequency) 2



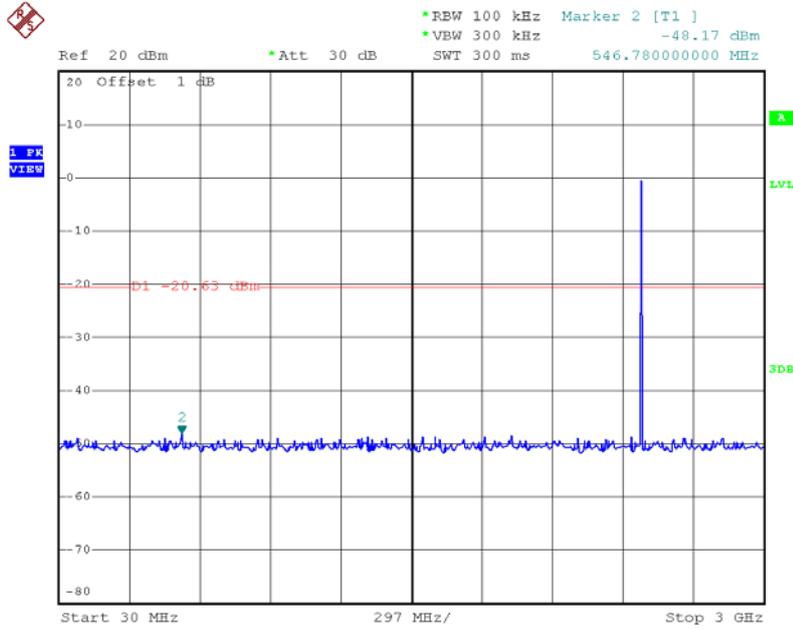
Date: 22.DEC.2016 19:52:04

CH19 (10 Harmonic of the frequency) 3



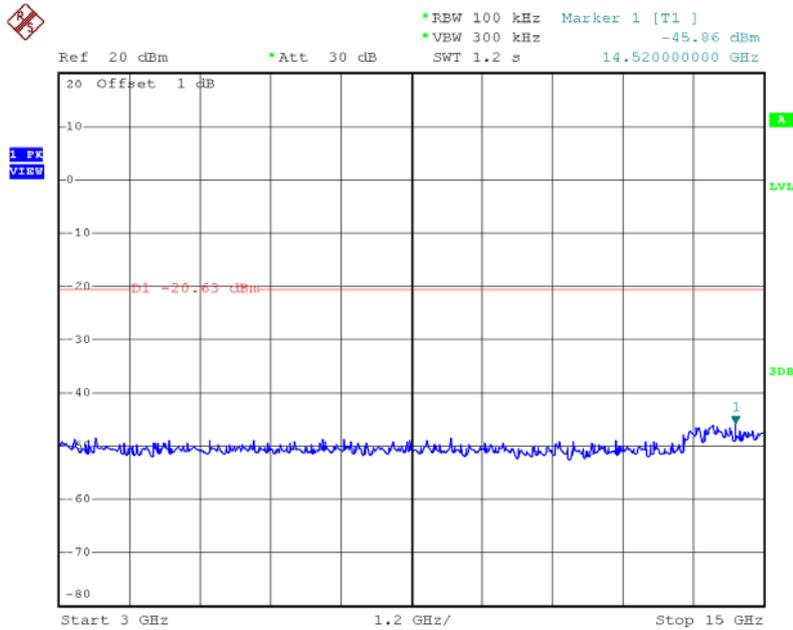
Date: 22.DEC.2016 19:52:12

CH39 (10 Harmonic of the frequency) 1



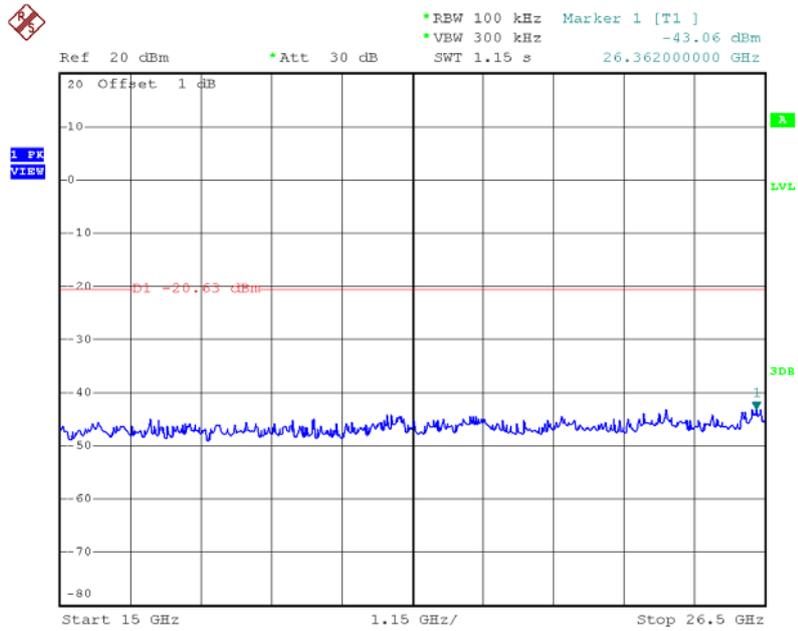
Date: 22.DEC.2016 19:53:24

CH39 (10 Harmonic of the frequency) 2



Date: 22.DEC.2016 19:53:32

CH39 (10 Harmonic of the frequency) 3



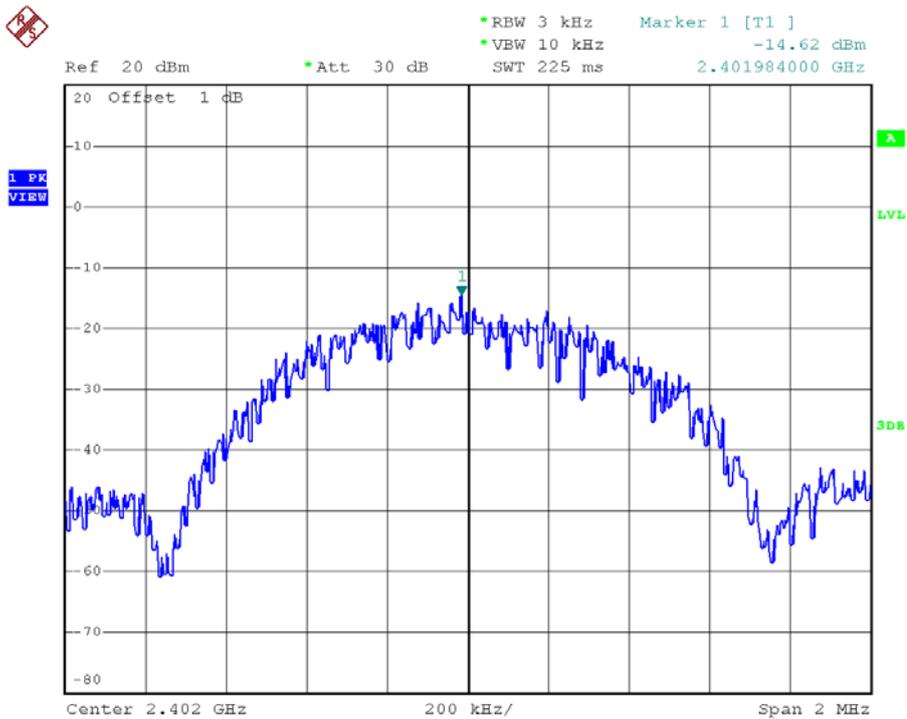
Date: 22.DEC.2016 19:53:41

ATTACHMENT H - POWER SPECTRAL DENSITY TEST

Test Mode: CH00, CH19 , CH39 - 1Mbps

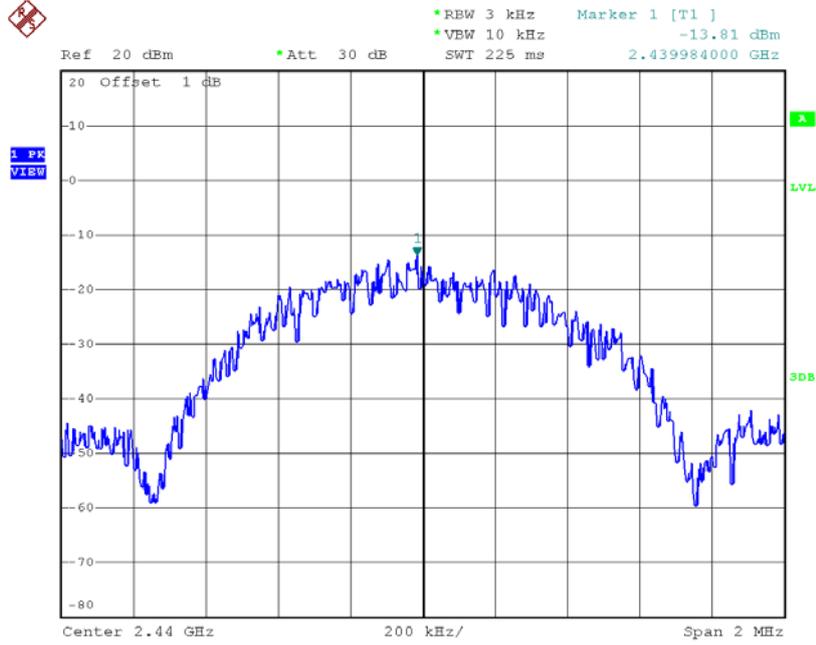
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Test Result
2402	-14.620	0.035	8.00	Pass
2440	-13.810	0.042	8.00	Pass
2480	-14.910	0.032	8.00	Pass

TX CH00



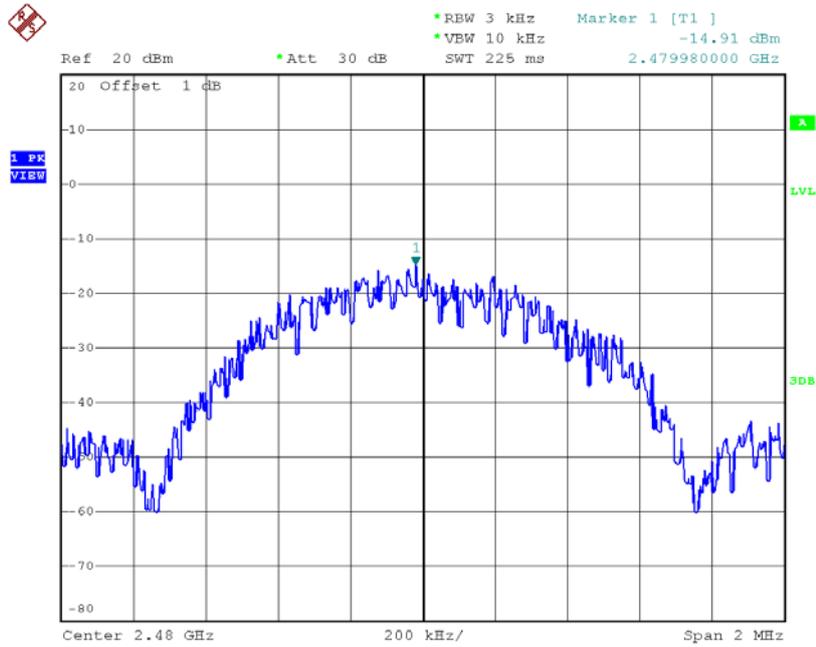
Date: 22.DEC.2016 19:50:34

TX CH19



Date: 22.DEC.2016 19:52:18

TX CH39



Date: 22.DEC.2016 19:53:47