

# FCC Radio Test Report

## FCC ID: YJYCLUE

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

**Project No.** : 1602C039  
**Equipment** : 4G LTE Digital Mobile Telephone  
**Model Name** : C630  
**Applicant** : Shanghai Feixun Communication Co.,Ltd.  
**Address** : No.3666, Sixian Rd., Songjiang District, Shanghai,  
P.R.China

**Date of Receipt** : Feb. 19, 2016  
**Date of Test** : Feb. 19, 2016 ~ Mar. 14, 2016  
**Issued Date** : Mar. 15, 2016  
**Tested by** : BTL Inc.

**Testing Engineer** : Shawn Xiao  
(Shawn Xiao)

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

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

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

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan,  
Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

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### **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-2-1602C039	Original Issue.	Mar. 15, 2016

## 1. CERTIFICATION

Equipment : 4G LTE Digital Mobile Telephone  
Brand Name : PHICOMM, FEIXUN  
Model Name : C630  
Applicant : Shanghai Feixun Communication Co.,Ltd.  
Manufacturer : Shanghai Feixun Communication Co.,Ltd.  
Address : No.3666,Sixian Rd.,Songjiang District,Shanghai,P.R.China  
Date of Test : Feb. 19, 2016 ~ Mar. 14, 2016  
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-2-1602C039) 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).

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

<b>Applied Standard(s): FCC Part15 (15.247) , Subpart C</b>				
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	
15.209/15.205		Transmitter Radiated Emissions	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: 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  $U_{\text{cispr}}$  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	4G LTE Digital Mobile Telephone	
Brand Name	PHICOMM, FEIXUN	
Model Name	C630	
Model Difference	NA	
Product Description	Operation Frequency	2412~2462 MHz
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM
	Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 150 Mbps
	Output Power (Max.)	802.11b: 17.21dBm 802.11g: 22.61dBm 802.11n(20MHz): 20.21dBm
Power Source	#1 DC voltage supplied from AC/DC adapter. #2 Supplied from USB port. #3 Supplied from rechargeable Li-Polymer battery.	
Power Rating	Please refer to note 2	

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.

Product	Brand	Model	Description
Adapter	N/A	RD0501000-USBA-18MG	I/P: 100-240V~50/60Hz, 0.25A MAX O/P: 5V --- 1000mA
Battery	N/A	BL-F33	3.8V, 2300mAh, 8.74Wh
USB Cable	N/A	N/A	100cm shielded cable with core

3. Channel List:

CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

4. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	-0.67

### 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 B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	Normal Link

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 5	Normal Link

For Radiated Test	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11

For Band Edge Test	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11

6dB Spectrum Bandwidth	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11

Maximum Conducted Output Power	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11

Power Spectral Density	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11

**Note:**

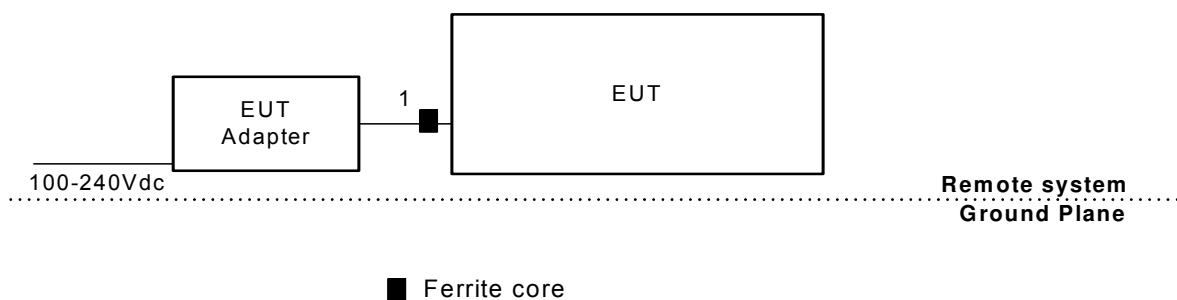
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)  
 802.11g mode: OFDM (6Mbps)  
 802.11n HT20 mode : BPSK (6.5Mbps)  
 For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.
- (4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

### 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 WLAN

Test software version	QRCT		
Frequency (MHz)	2412	2437	2462
802.11b	15	15	14
802.11g	12	13	12
802.11n (20MHz)	9	10	9

### 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	YES	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 (dB $\mu$ V)	
	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

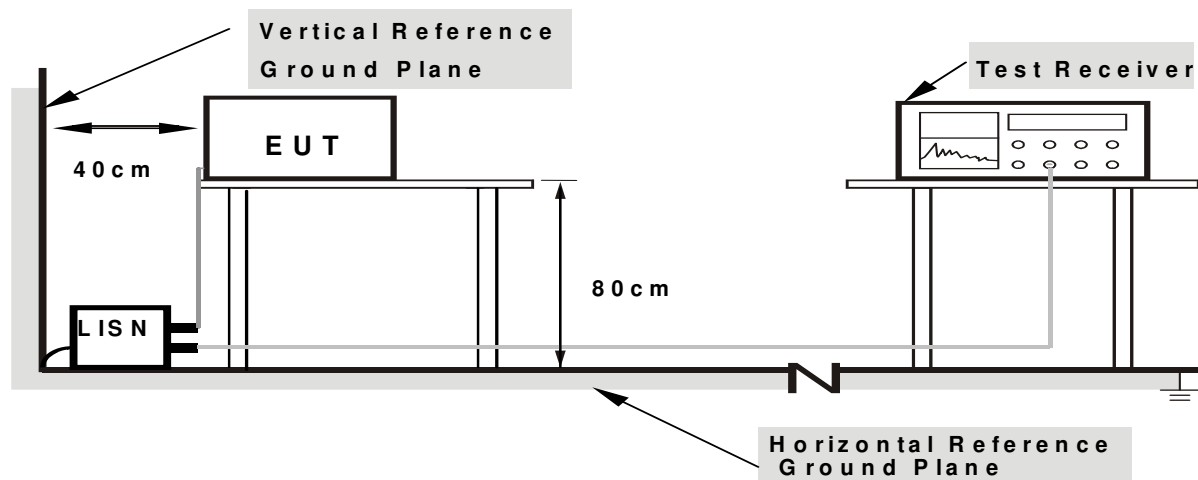
#### 4.1.2 TEST PROCEDURE

- 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 cm from other units and other metal planes

#### 4.1.5 EUT OPERATING CONDITIONS

The EUT was placed on the test table and programmed in normal function.

#### 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.

## 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)	(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)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average

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 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 0.8 m or 1.5 m, 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. 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.
- e. 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)
- f. 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)
- g. For the actual test configuration, please refer to the related Item –EUT Test Photos.

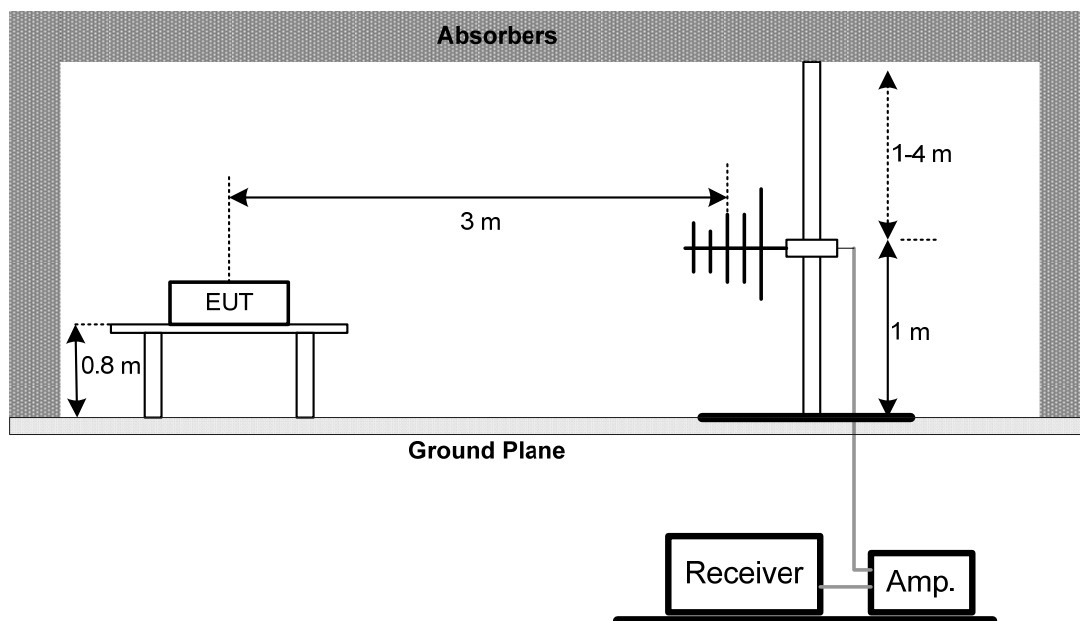
#### 4.2.3 DEVIATION FROM TEST STANDARD

No deviation

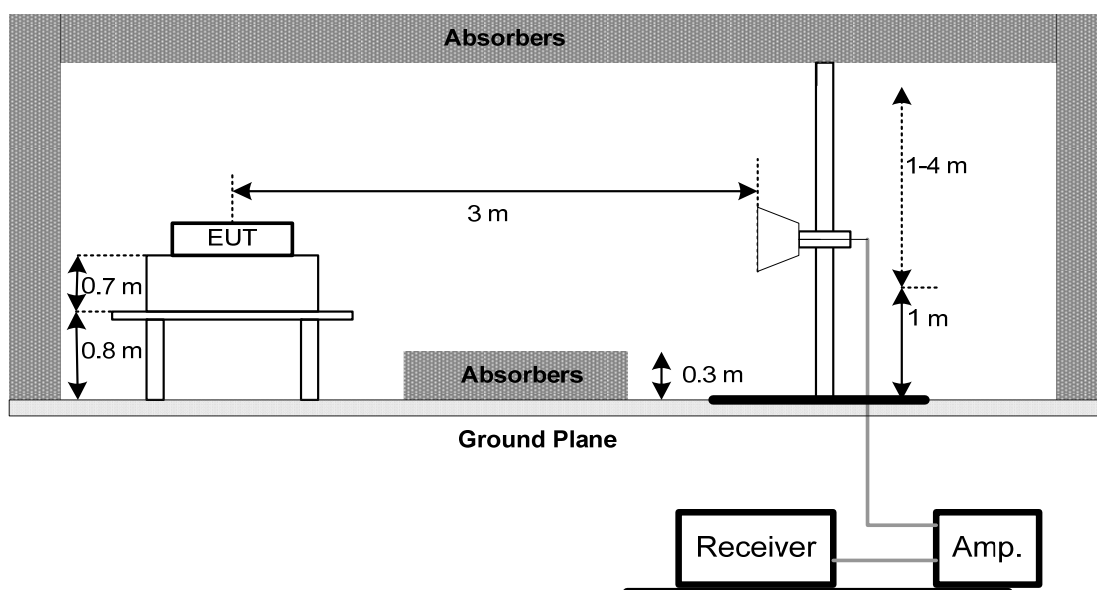


#### 4.2.4 TEST SETUP

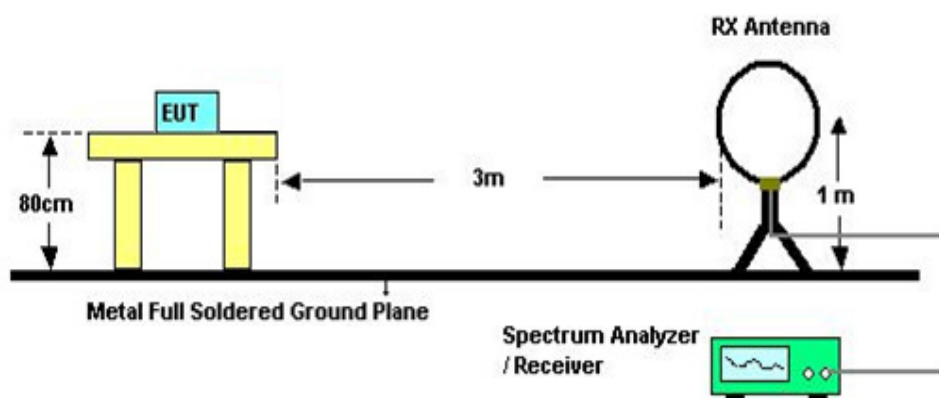
##### (A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(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

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	2400-2483.5	PASS

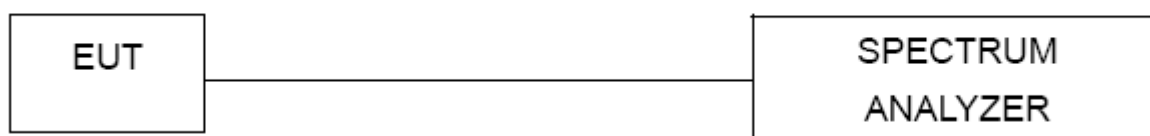
#### 5.1.1 TEST PROCEDURE

- 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 was programmed to be in continuously transmitting mode.

#### 5.1.5 EUT TEST CONDITIONS

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

#### 5.1.6 TEST RESULTS

Please refer to the Attachment E.

## 6. MAXIMUM PEAK CONDUCTED 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 v03r04.

#### 6.1.2 DEVIATION FROM STANDARD

No deviation.

#### 6.1.3 TEST SETUP



#### 6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 6.1.5 EUT TEST CONDITIONS

Temperature: 22°C    Relative Humidity: 56%    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 = Auto.
- 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 was programmed to be in continuously transmitting mode.

#### 7.1.5 EUT TEST CONDITIONS

Temperature: 22°C    Relative Humidity: 56%    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=10KHz, Sweep time = Auto.

#### 8.1.2 DEVIATION FROM STANDARD

No deviation.

#### 8.1.3 TEST SETUP



#### 8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 8.1.5 EUT TEST CONDITIONS

Temperature: 22°C    Relative Humidity: 56%    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	00052765	Mar. 28, 2016
2	LISN	R&S	ENV216	101447	Mar. 28, 2016
3	Test Cable	emci	RG223(9KHz-30M Hz)	C_17	Mar. 12, 2017
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 28, 2016
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	Schwarzbeck	VULB9160	9160-3232	Mar. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Nov. 09, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
4	Test Cable	emci	LMR-400(30MHz-1 GHz)	C-01	Jun. 28, 2016
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Nov. 01, 2016
8	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
9	Test Cable	emci	EMC104-SM-SM-10000(1GHz-26.5G Hz)	C-68	Jun. 28, 2016
10	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
11	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 28, 2016
12	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 07, 2016
13	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	Oct. 11, 2016

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Mar. 28, 2016
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Mar. 28, 2016

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016

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

**10. EUT TEST PHOTO****Conducted Measurement Photos**

**Radiated Measurement Photos  
9KHz to 30MHz**

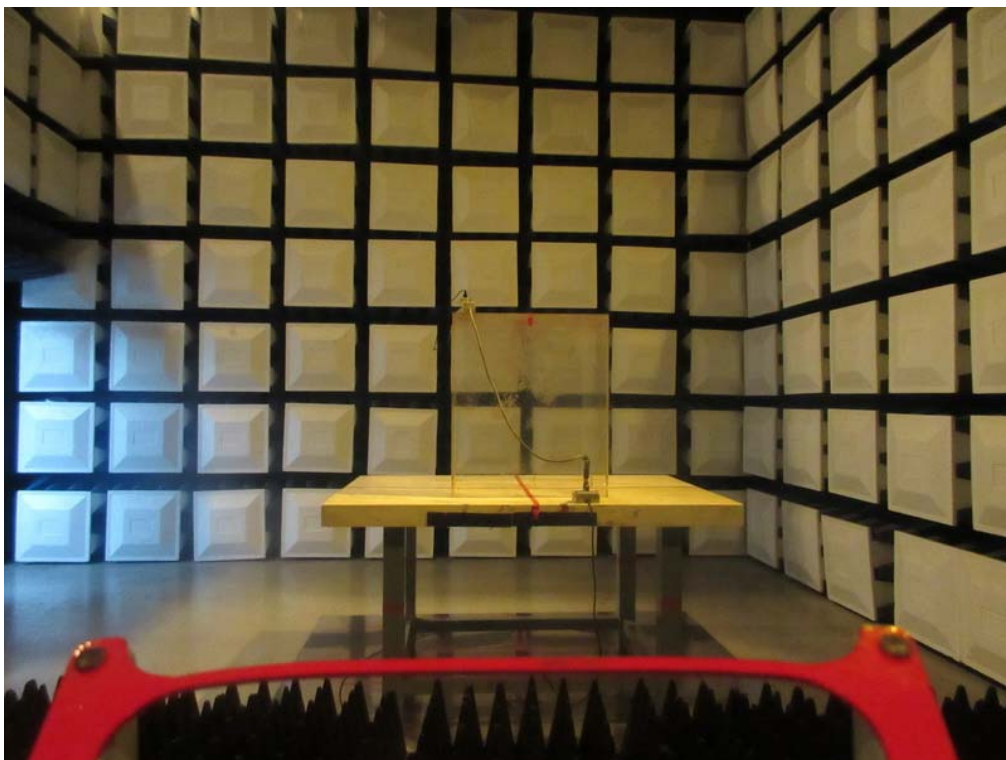
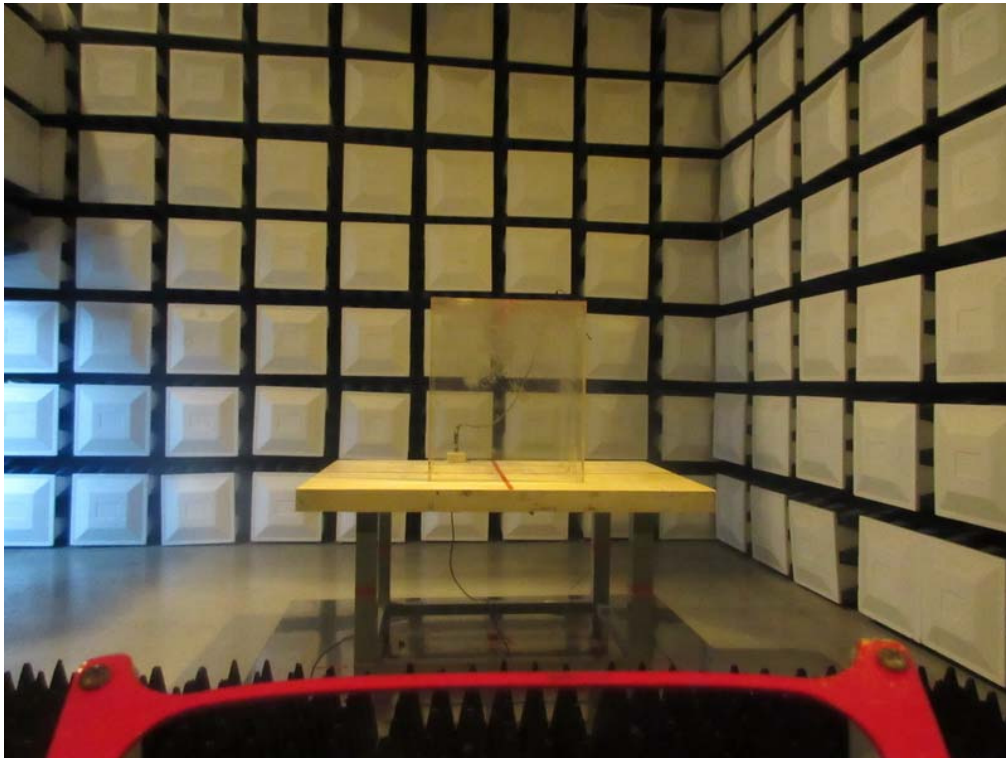


**Radiated Measurement Photos  
Below 1GHz**





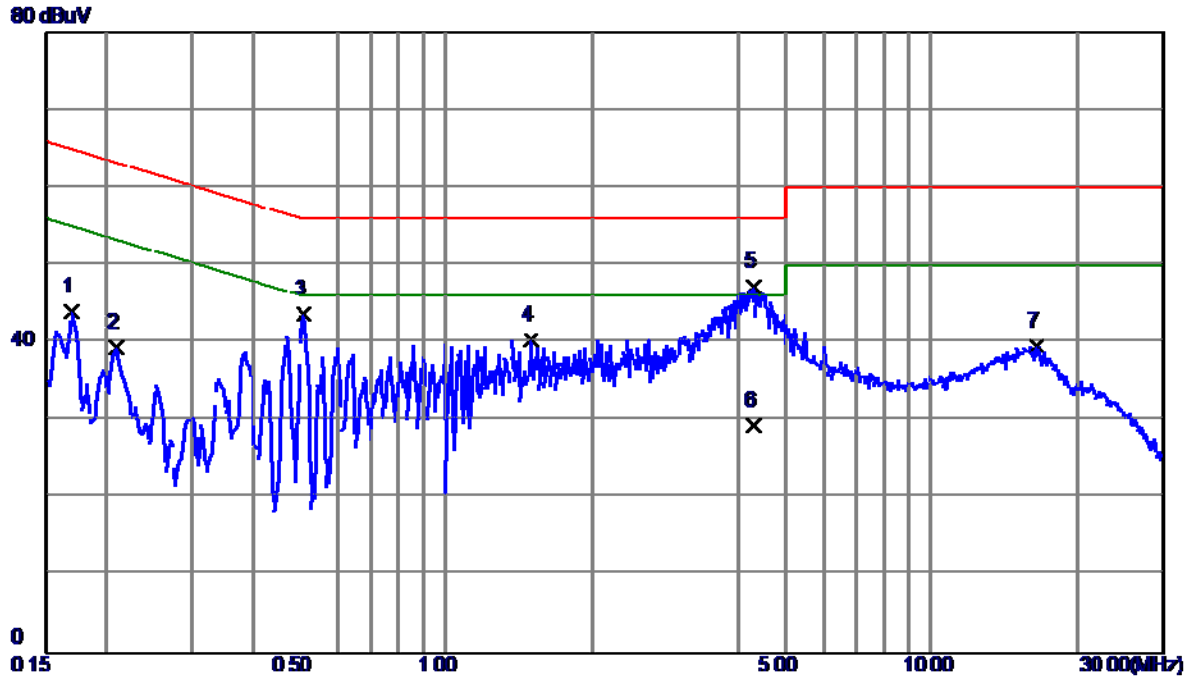
**Radiated Measurement Photos  
Above 1GHz**



## ATTACHMENT A - CONDUCTED EMISSION

Test Mode : Normal Link

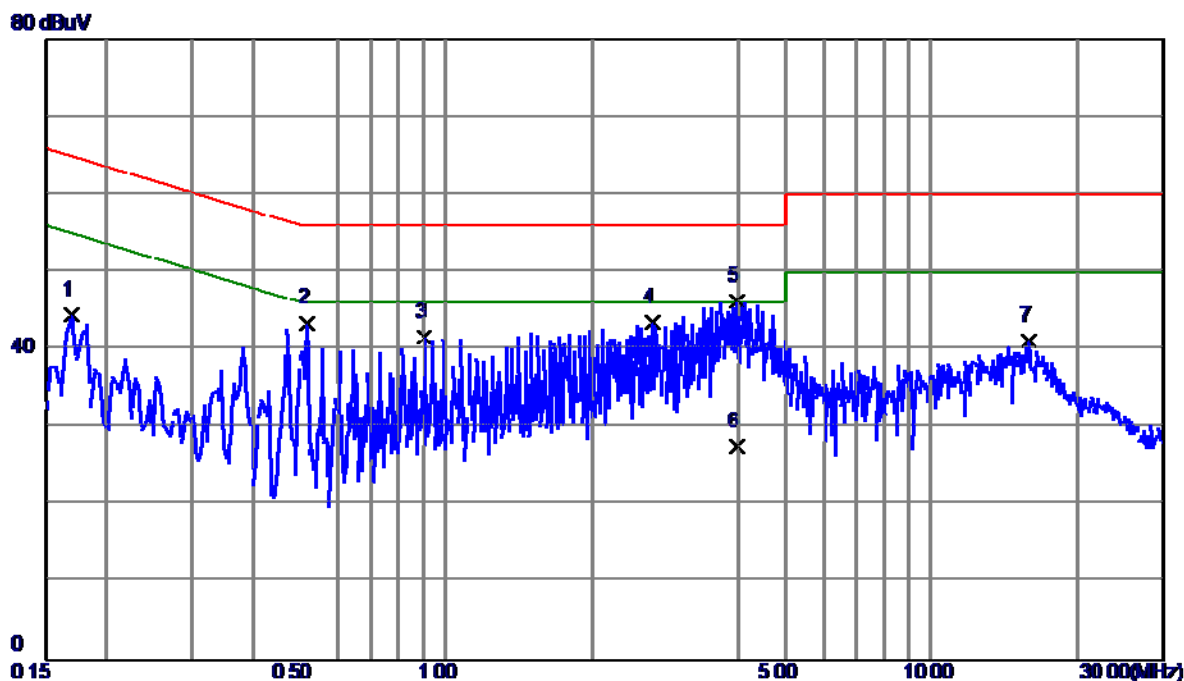
### Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1700	34.47	9.56	44.03	64.96	-20.93	Peak	
2	0.2100	29.72	9.58	39.30	63.21	-23.91	Peak	
3	0.5100	33.95	9.68	43.63	56.00	-12.37	Peak	
4	1.5020	30.47	9.84	40.31	56.00	-15.69	Peak	
5	4.3020	37.18	9.97	47.15	56.00	-8.85	Peak	
6	4.3020	19.28	9.97	29.25	46.00	-16.75	AVG	
7	16.4820	29.62	9.83	39.45	60.00	20.55	Peak	

Test Mode : Normal Link

### Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1700	35.02	9.48	44.50	64.96	-20.46	Peak	
2	0.5180	33.88	9.56	43.44	56.00	-12.56	Peak	
3	0.9020	31.98	9.58	41.56	56.00	-14.44	Peak	
4	2.6619	33.71	9.78	43.49	56.00	-12.51	Peak	
5	3.9940	36.31	9.92	46.23	56.00	-9.77	Peak	
6	3.9940	17.66	9.92	27.58	46.00	-18.42	AVG	
7	15.8660	31.16	9.93	41.09	60.00	18.91	Peak	



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

Test Mode:	TX B MODE CHANNEL 01
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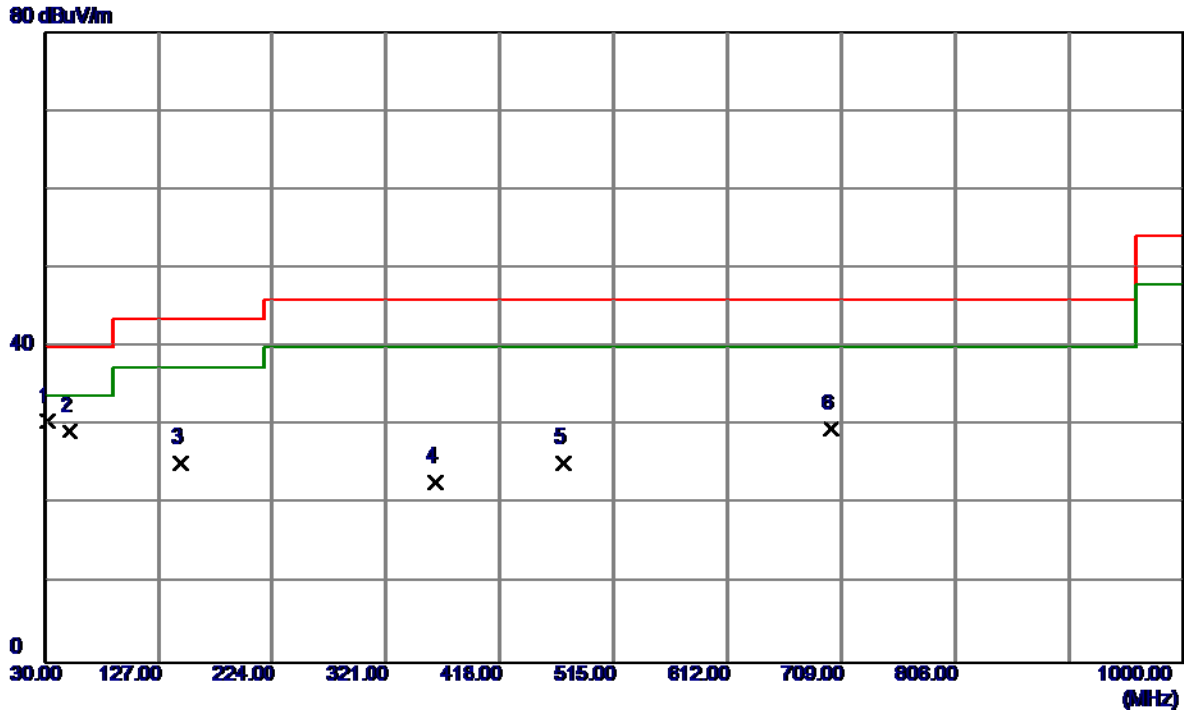
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0117	0°	13.13	24.8257	37.9557	126.2405	-88.2848	AVG
0.0117	0°	14.56	24.8257	39.3857	146.2405	-106.8548	PEAK
0.0246	0°	6.07	24.0087	30.0787	119.7855	-89.7069	AVG
0.0246	0°	8.12	24.0087	32.1287	139.7855	-107.6569	PEAK
0.0351	0°	3.16	23.3437	26.5037	116.6981	-90.1944	AVG
0.0351	0°	5.33	23.3437	28.6737	136.6981	-108.0244	PEAK
0.0536	0°	1.62	22.3280	23.9480	113.0209	-89.0729	AVG
0.0536	0°	2.73	22.3280	25.0580	133.0209	-107.9629	PEAK
0.5031	0°	19.45	19.8099	39.2599	73.5711	-34.3112	QP
1.9511	0°	23.32	19.5049	42.8249	69.5400	-26.7151	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0123	90°	13.34	24.3000	37.6400	125.8061	-88.1661	AVG
0.0123	90°	14.75	24.3000	39.0500	145.8061	-106.7561	PEAK
0.0255	90°	7.15	23.9517	31.1017	119.4734	-88.3718	AVG
0.0255	90°	8.67	23.9517	32.6217	139.4734	-106.8518	PEAK
0.0431	90°	5.33	22.8370	28.1670	114.9147	-86.7477	AVG
0.0431	90°	6.31	22.8370	29.1470	134.9147	-105.7677	PEAK
0.0529	90°	1.59	22.3420	23.9320	113.1351	-89.2031	AVG
0.0529	90°	2.37	22.3420	24.7120	133.1351	-108.4231	PEAK
0.6265	90°	22.43	20.2048	42.6348	71.6658	-29.0310	QP
2.0552	90°	24.26	19.4669	43.7269	69.5400	-25.8131	QP

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

Test Mode: TX B MODE CHANNEL 01

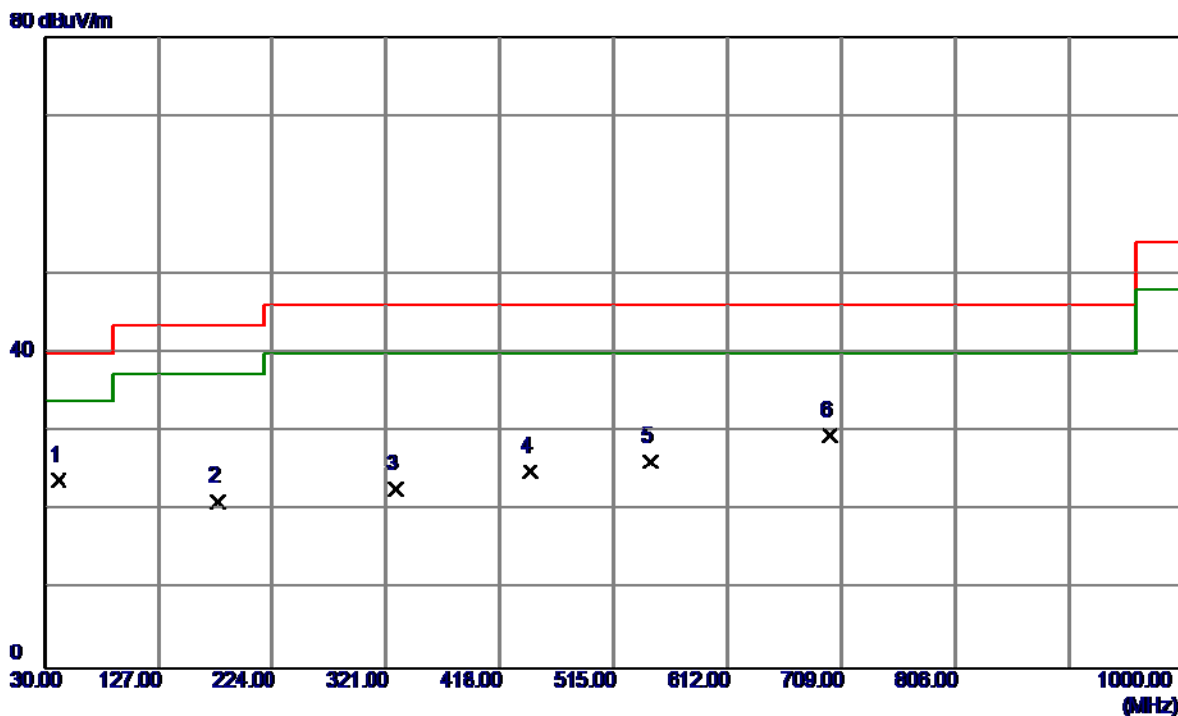
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	31.9400	44.51	-13.89	30.62	40.00	-9.38	Peak	
2	51.3400	41.82	-12.52	29.30	40.00	-10.70	Peak	
3	146.4000	36.94	-11.59	25.35	43.50	-18.15	Peak	
4	362.7100	32.13	-9.25	22.88	46.00	-23.12	Peak	
5	472.3200	31.89	-6.56	25.33	46.00	-20.67	Peak	
6	700.2700	31.07	-1.47	29.60	46.00	-16.40	Peak	

Test Mode: TX B MODE CHANNEL 01

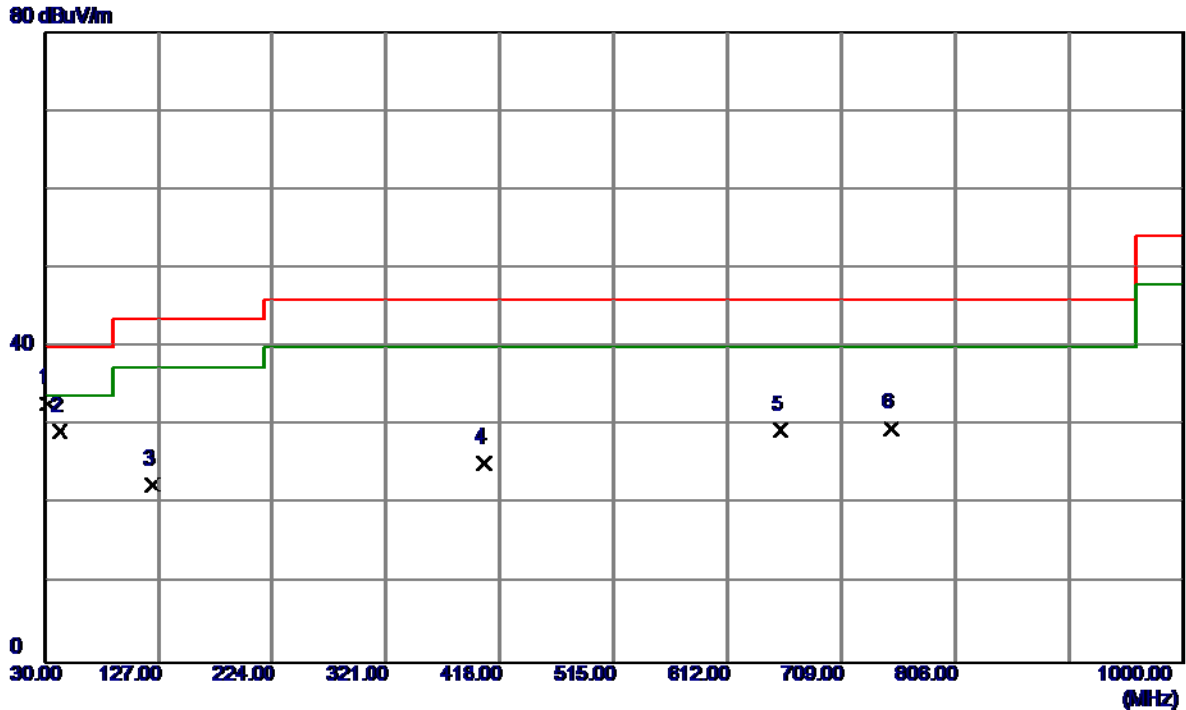
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	41.6400	36.10	-12.29	23.81	40.00	-16.19	Peak	
2	177.4400	32.44	-11.38	21.06	43.50	-22.44	Peak	
3	329.7300	32.51	-9.78	22.73	46.00	-23.27	Peak	
4	444.1900	30.99	-6.05	24.94	46.00	-21.06	Peak	
5	546.0400	31.07	-4.84	26.23	46.00	-19.77	Peak	
6	699.3000	30.99	-1.47	29.52	46.00	-16.48	Peak	

Test Mode: TX B MODE CHANNEL 06

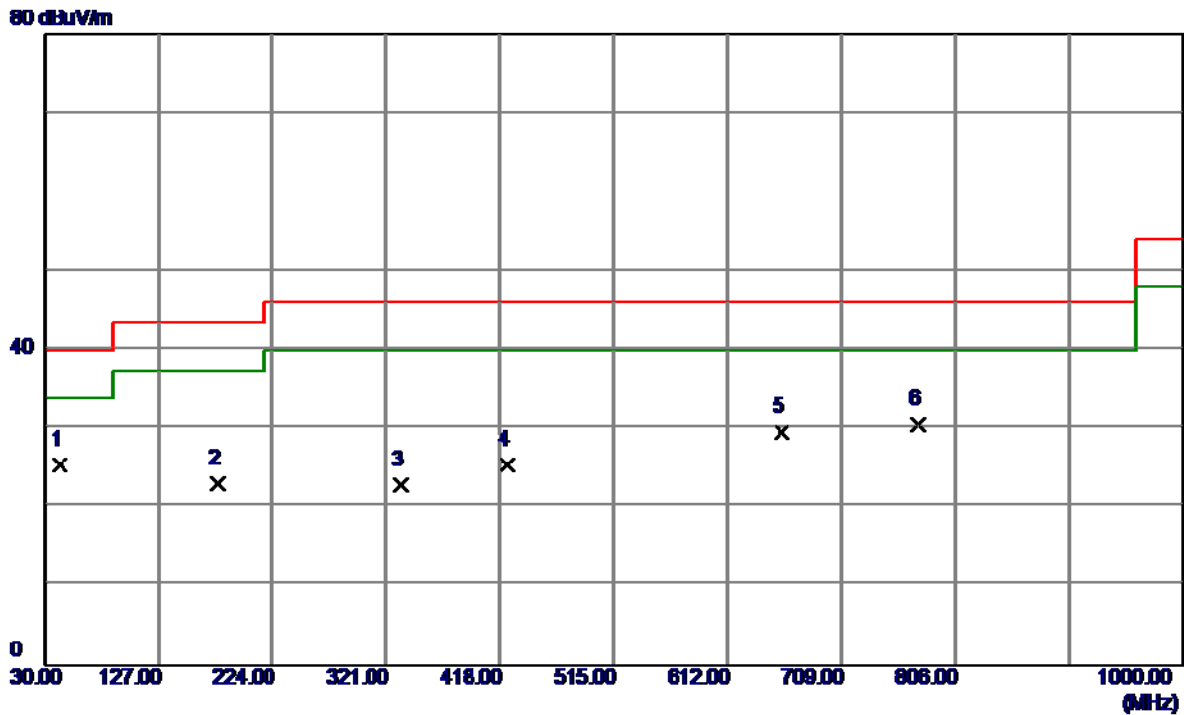
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	31.9400	46.77	-13.89	32.88	40.00	-7.12	Peak	
2	42.6100	41.49	-12.15	29.34	40.00	-10.66	Peak	
3	121.1800	34.93	-12.44	22.49	43.50	-21.01	Peak	
4	405.3900	32.34	-7.12	25.22	46.00	-20.78	Peak	
5	657.5900	31.06	-1.61	29.45	46.00	-16.55	Peak	
6	751.6800	31.05	-1.37	29.68	46.00	-16.32	Peak	

Test Mode: TX B MODE CHANNEL 06

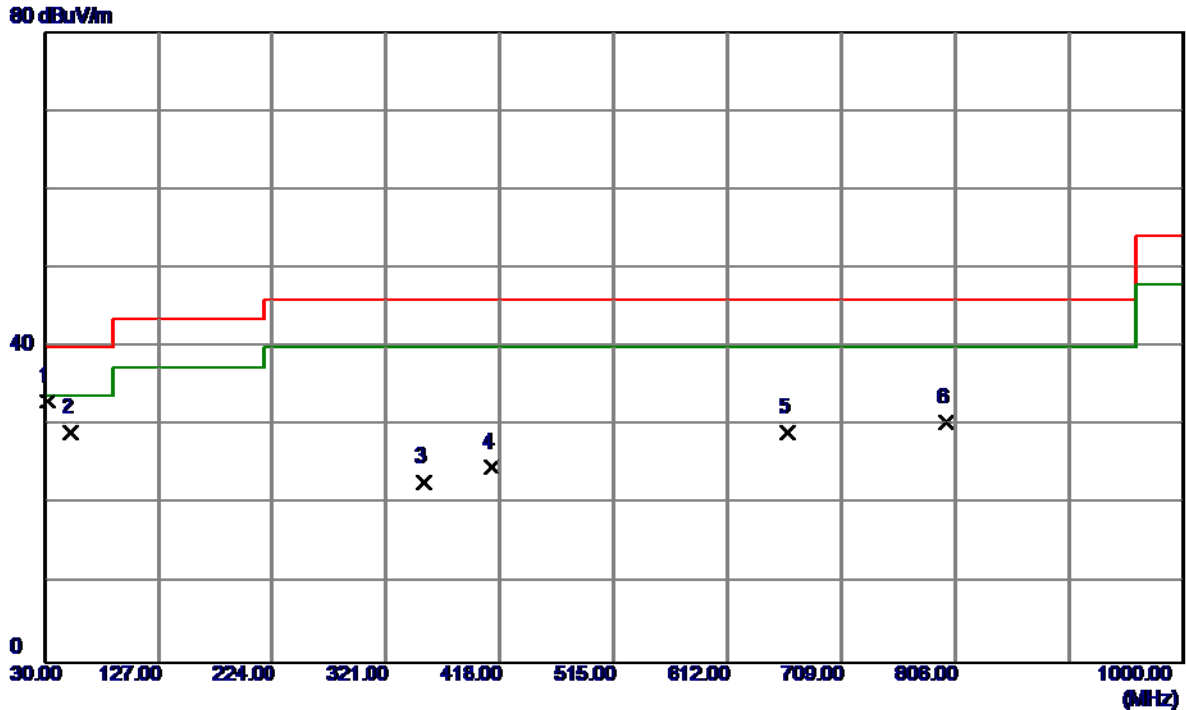
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	42.6100	37.62	-12.15	25.47	40.00	-14.53	Peak	
2	177.4400	34.49	-11.38	23.11	43.50	-20.39	Peak	
3	333.6099	32.63	-9.81	22.82	46.00	-23.18	Peak	
4	424.7900	32.09	-6.59	25.50	46.00	-20.50	Peak	
5	658.5600	31.23	-1.61	29.62	46.00	-16.38	Peak	
6	774.9600	31.13	-0.63	30.50	46.00	-15.50	Peak	

Test Mode: TX B MODE CHANNEL 11

Vertical

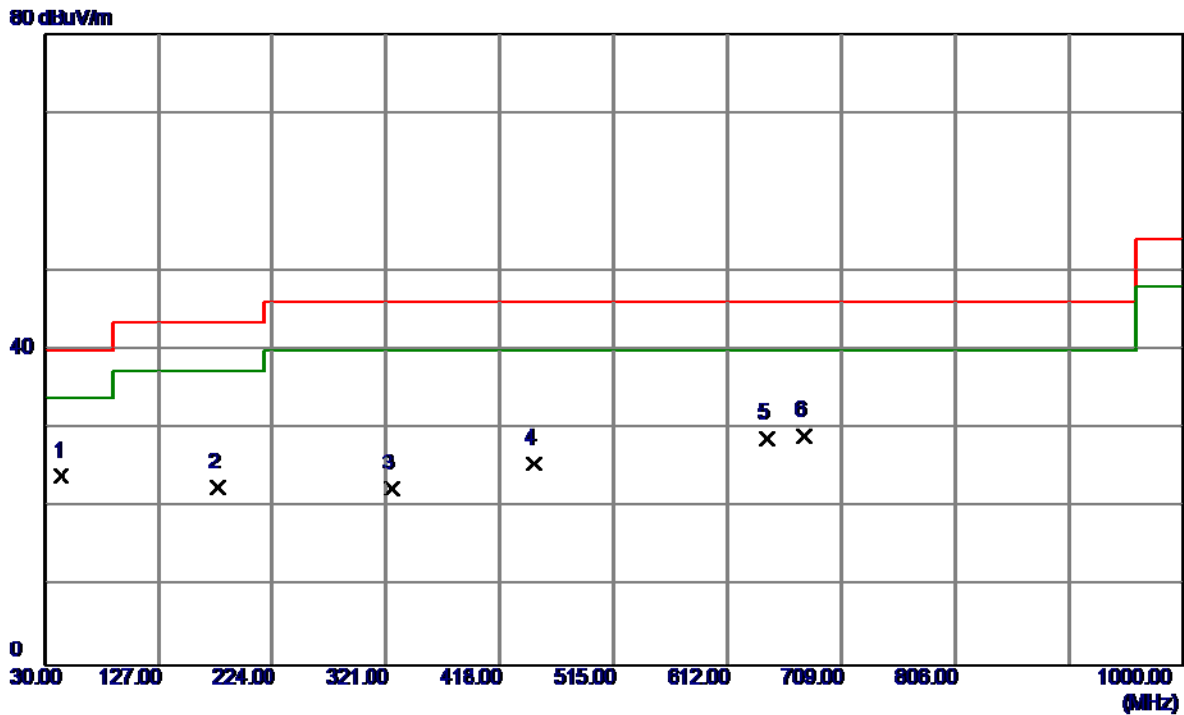


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	31.9400	47.00	-13.89	33.11	40.00	-6.89	Peak	
2	52.3100	41.75	-12.57	29.18	40.00	-10.82	Peak	
3	353.0100	32.59	-9.76	22.83	46.00	-23.17	Peak	
4	411.2100	31.68	-6.96	24.72	46.00	-21.28	Peak	
5	663.4099	30.70	-1.59	29.11	46.00	-16.89	Peak	
6	798.2400	30.23	0.10	30.33	46.00	-15.67	Peak	



Test Mode: TX B MODE CHANNEL 11

Horizontal

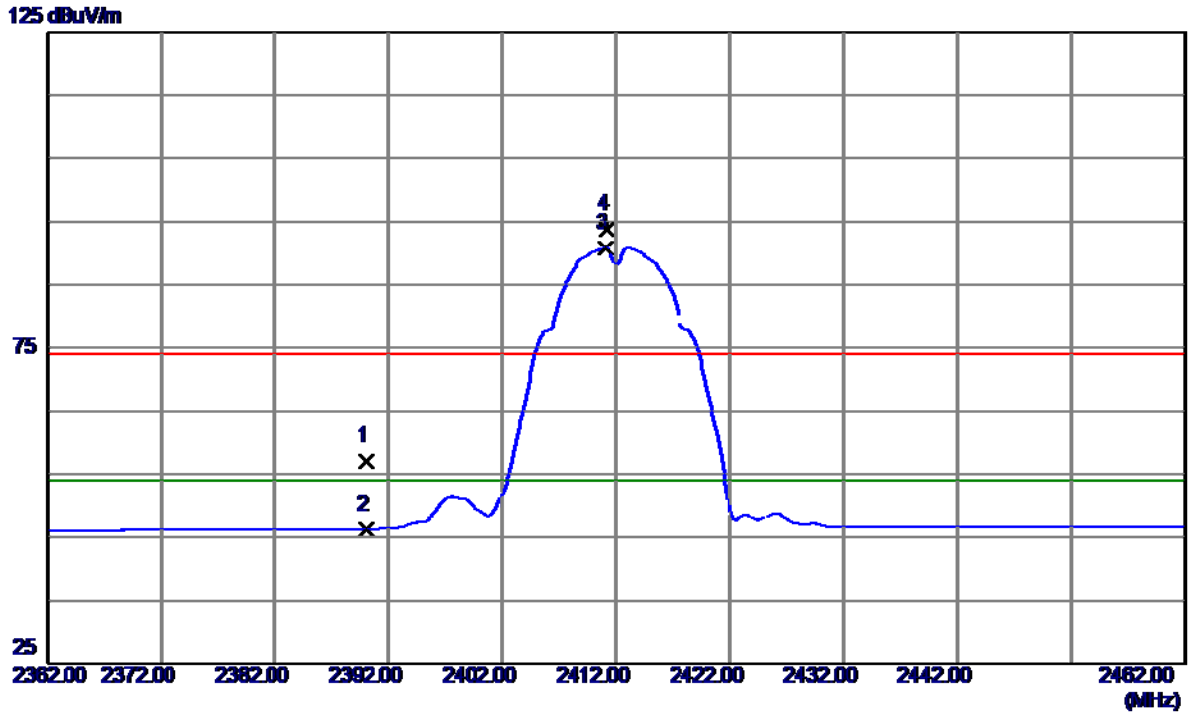


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	44.5500	36.00	-11.94	24.06	40.00	-15.94	Peak	
2	177.4400	33.92	-11.38	22.54	43.50	-20.96	Peak	
3	325.8500	32.17	-9.76	22.41	46.00	-23.59	Peak	
4	447.1000	31.60	-5.97	25.63	46.00	-20.37	Peak	
5	644.9800	30.77	-1.94	28.83	46.00	-17.17	Peak	
6	677.9600	30.71	-1.54	29.17	46.00	-16.83	Peak	

## **ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)**

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

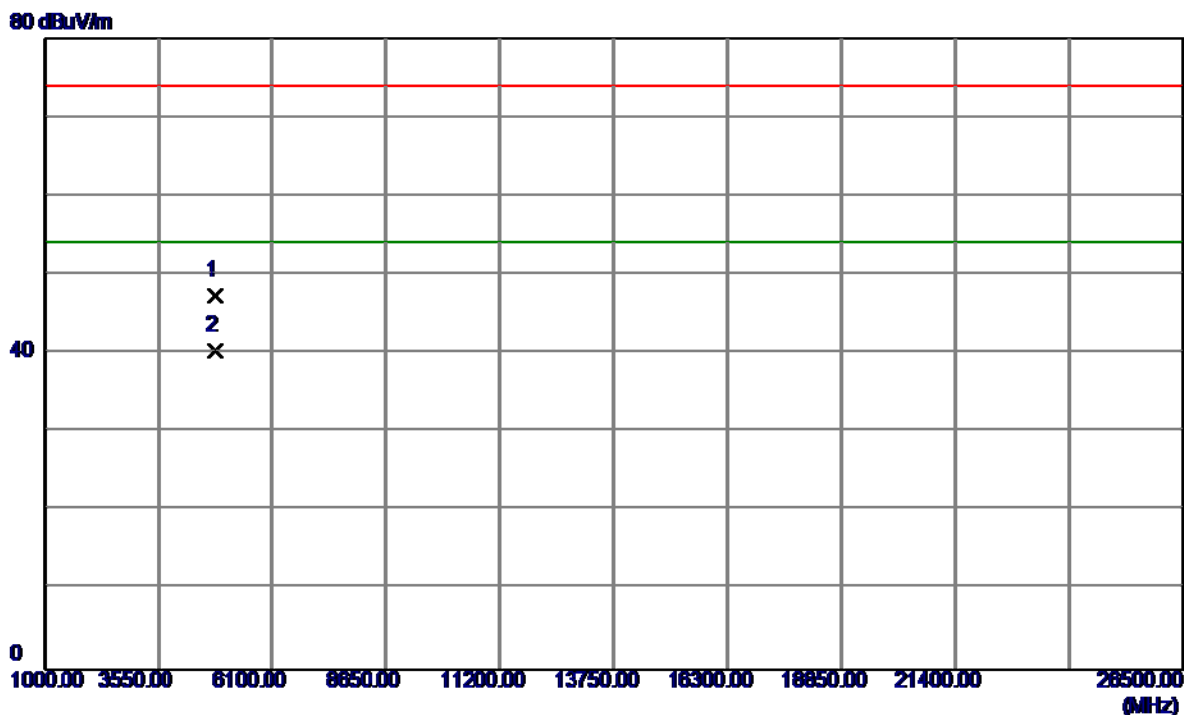
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.84	34.23	57.07	74.00	16.93	Peak	
2	2390.0000	12.06	34.23	46.29	54.00	-7.71	AVG	
3	2411.1000	56.43	34.35	90.78	54.00	36.78	AVG	NO LIMIT
4	2411.2000	59.51	34.35	93.86	74.00	19.86	Peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

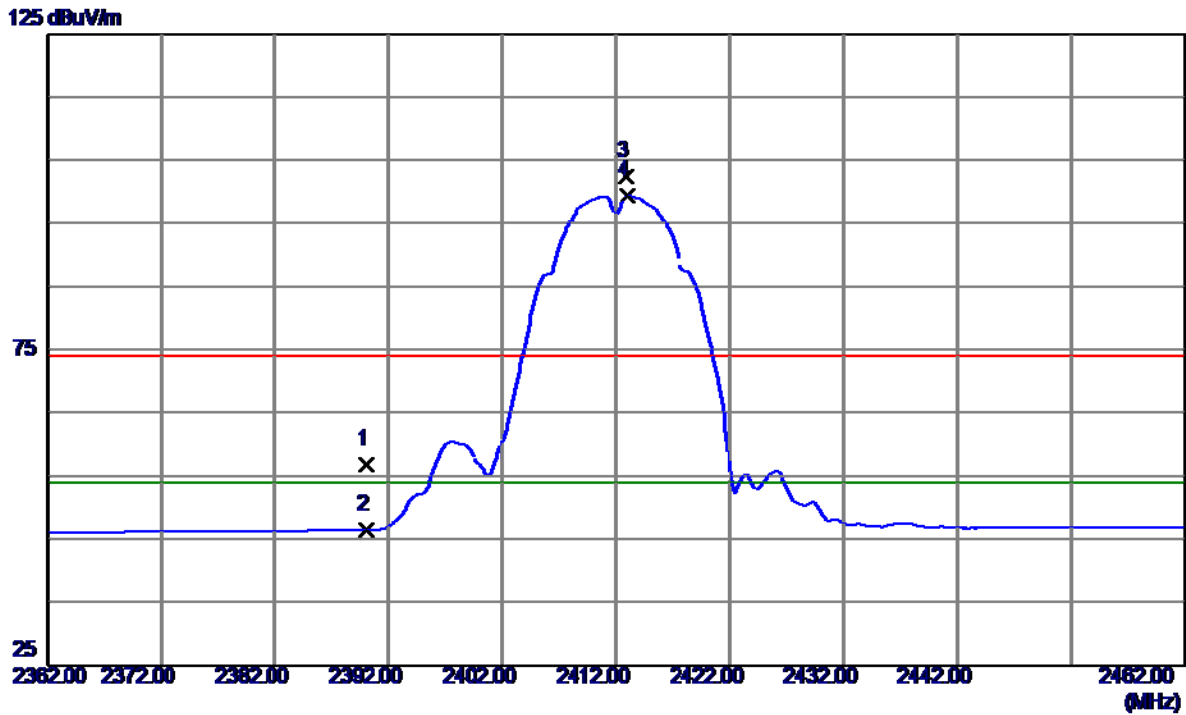
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9200	44.36	3.00	47.36	74.00	-26.64	Peak	
2	4823.9600	37.36	3.00	40.36	54.00	-13.64	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

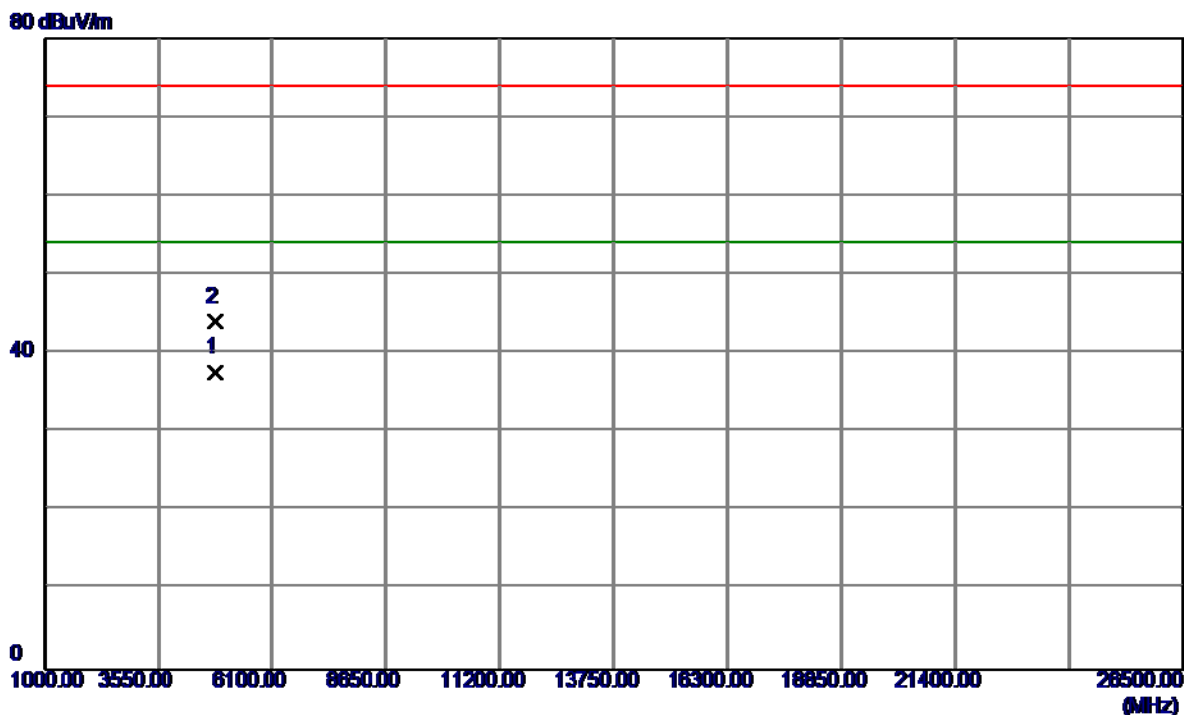
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.59	34.23	56.82	74.00	-17.18	Peak	
2	2390.0000	12.22	34.23	46.45	54.00	-7.55	AVG	
3	2412.9000	68.03	34.36	102.39	74.00	28.39	Peak	NO LIMIT
4	2413.0000	64.98	34.37	99.35	54.00	45.35	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

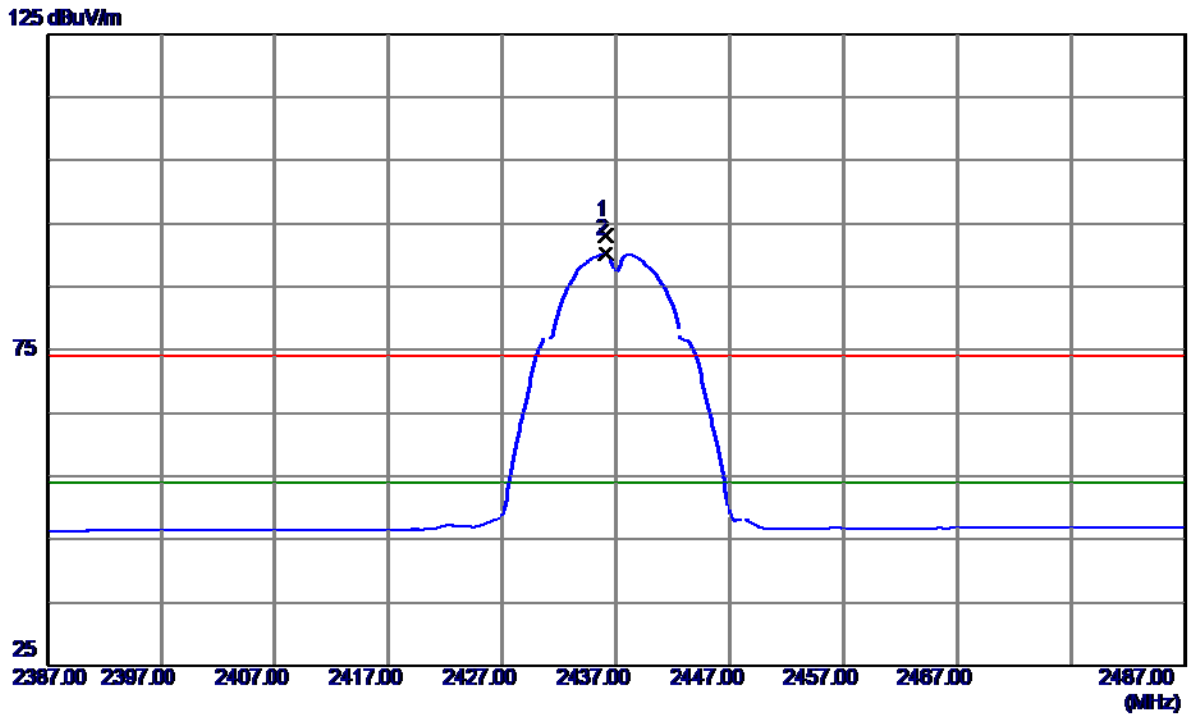
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9600	34.54	3.00	37.54	54.00	-16.46	AVG	
2	4824.0000	41.04	3.00	44.04	74.00	-29.96	Peak	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

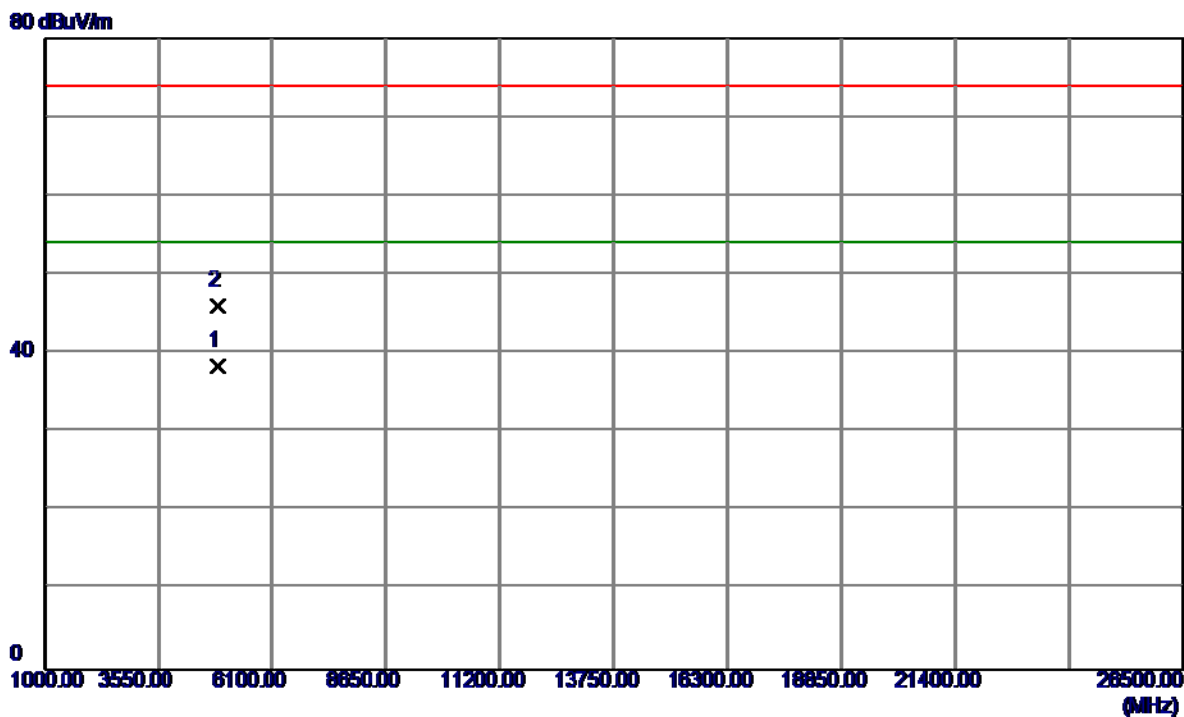
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2436.1000	58.76	34.50	93.26	74.00	19.26	Peak	NO LIMIT
2	2436.1000	55.64	34.50	90.14	54.00	36.14	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

**Vertical**



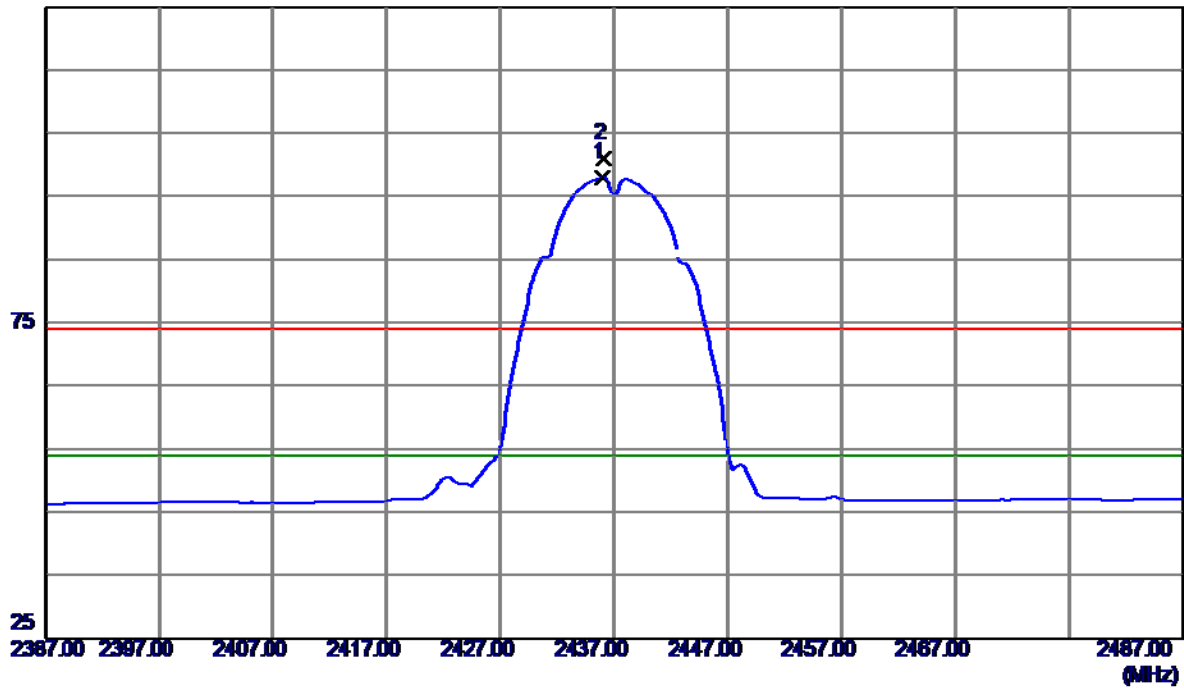
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.3000	35.37	3.03	38.40	54.00	-15.60	AVG	
2	4873.8300	43.04	3.03	46.07	74.00	-27.93	Peak	



Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

### Horizontal

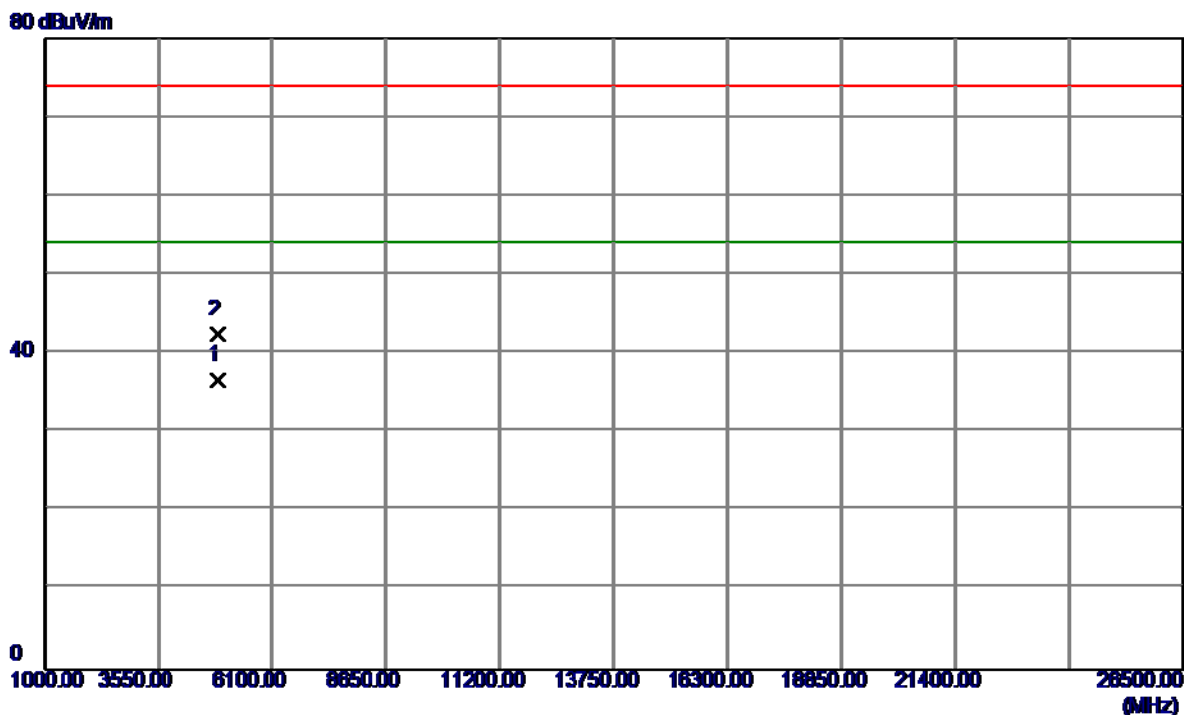
125 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2436.0000	63.50	34.50	98.00	54.00	44.00	AVG	NO LIMIT
2	2436.1000	66.58	34.50	101.08	74.00	27.08	Peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

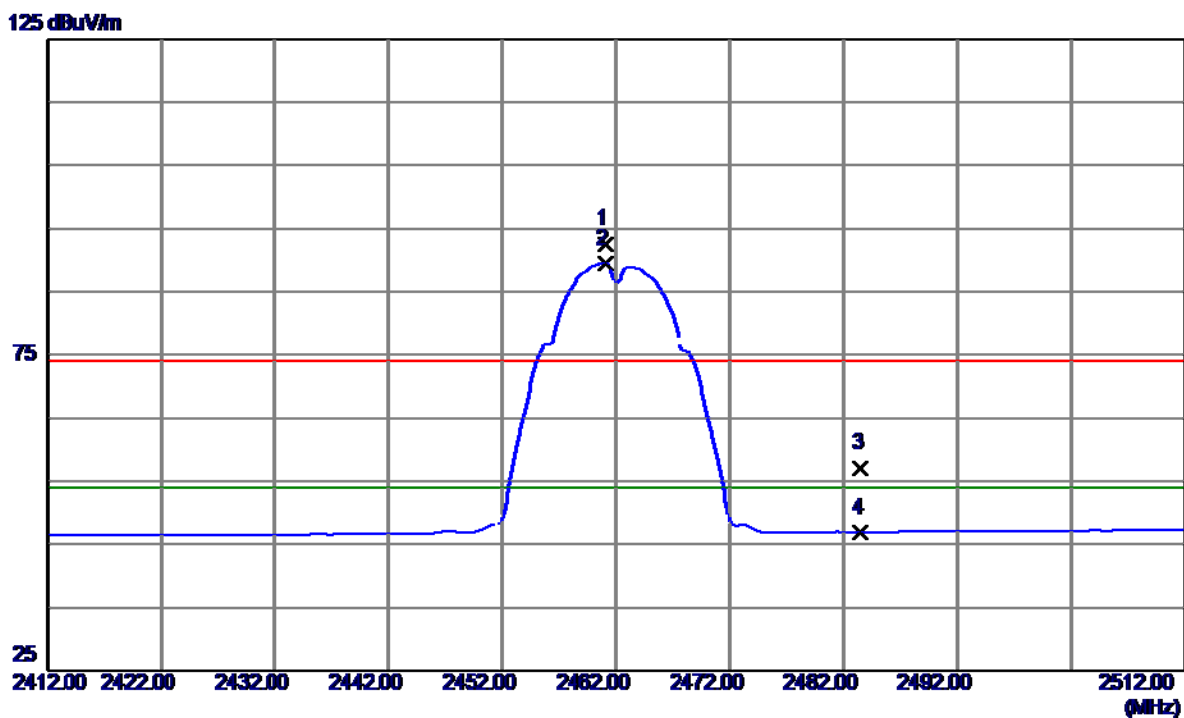
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.3700	33.58	3.03	36.61	54.00	-17.39	AVG	
2	4874.9400	39.38	3.03	42.41	74.00	-31.59	Peak	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

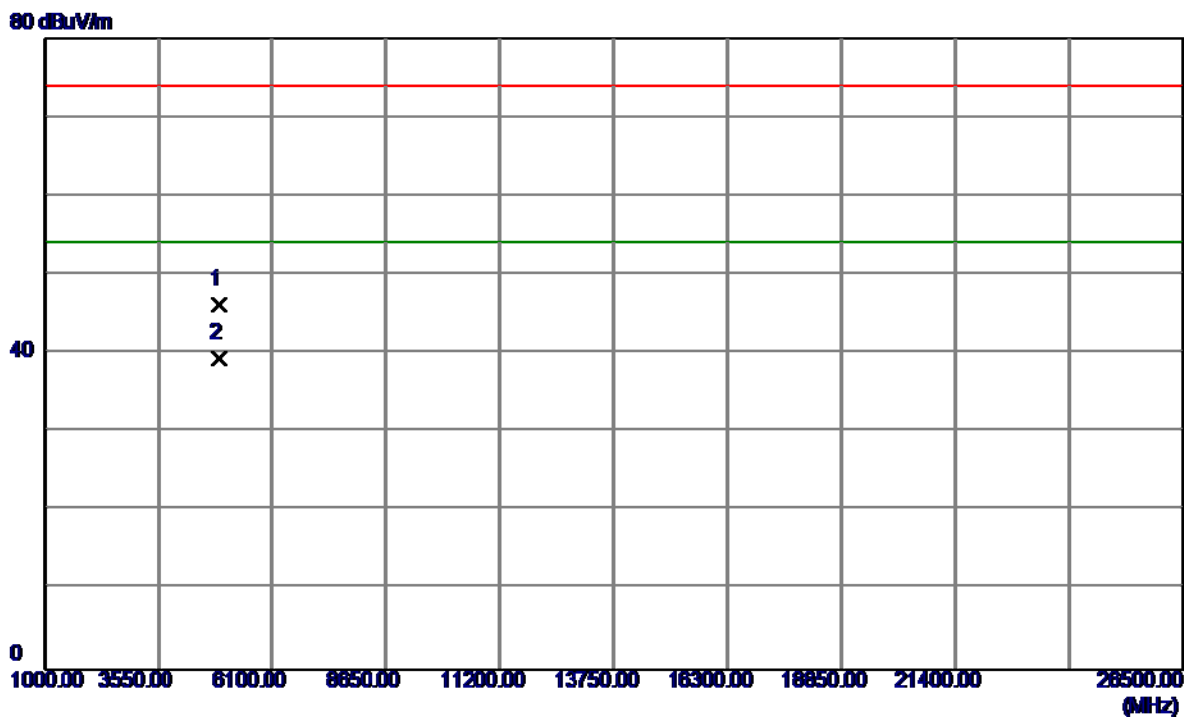
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.1000	57.90	34.64	92.54	74.00	18.54	Peak	NO LIMIT
2	2461.1000	54.80	34.64	89.44	54.00	35.44	AVG	NO LIMIT
3	2483.5000	22.32	34.77	57.09	74.00	-16.91	Peak	
4	2483.5000	12.08	34.77	46.85	54.00	-7.15	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

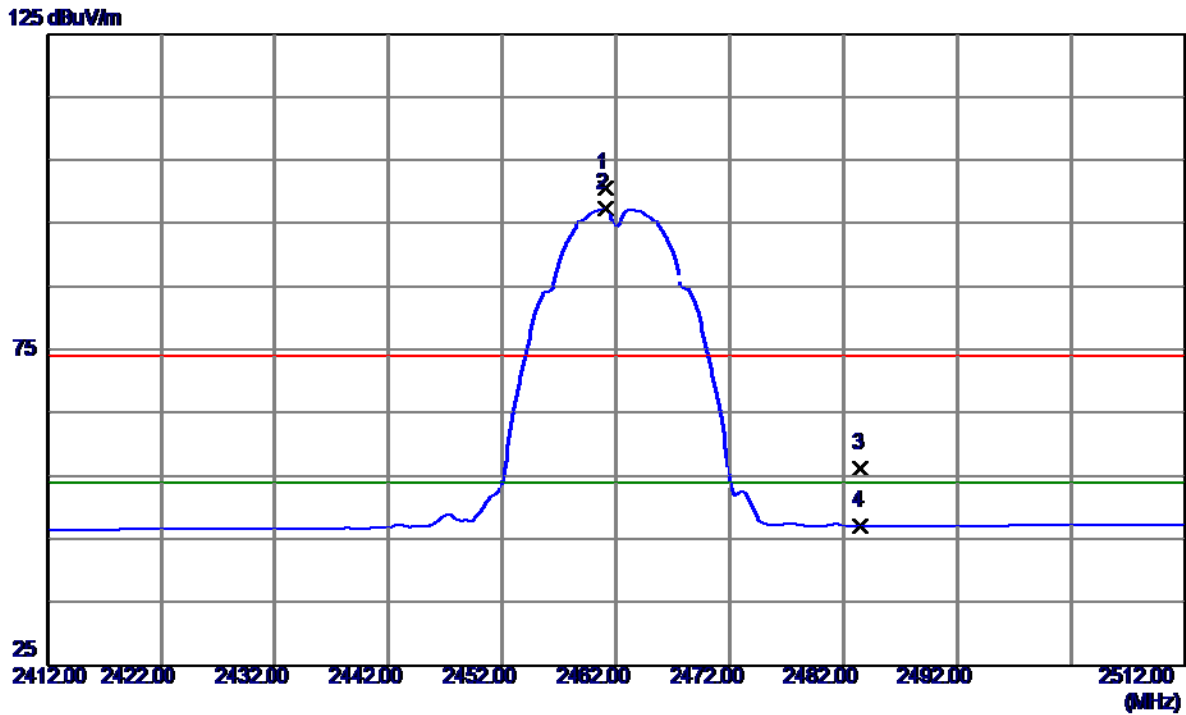
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.9400	43.12	3.05	46.17	74.00	-27.83	Peak	
2	4923.9600	36.25	3.05	39.30	54.00	-14.70	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

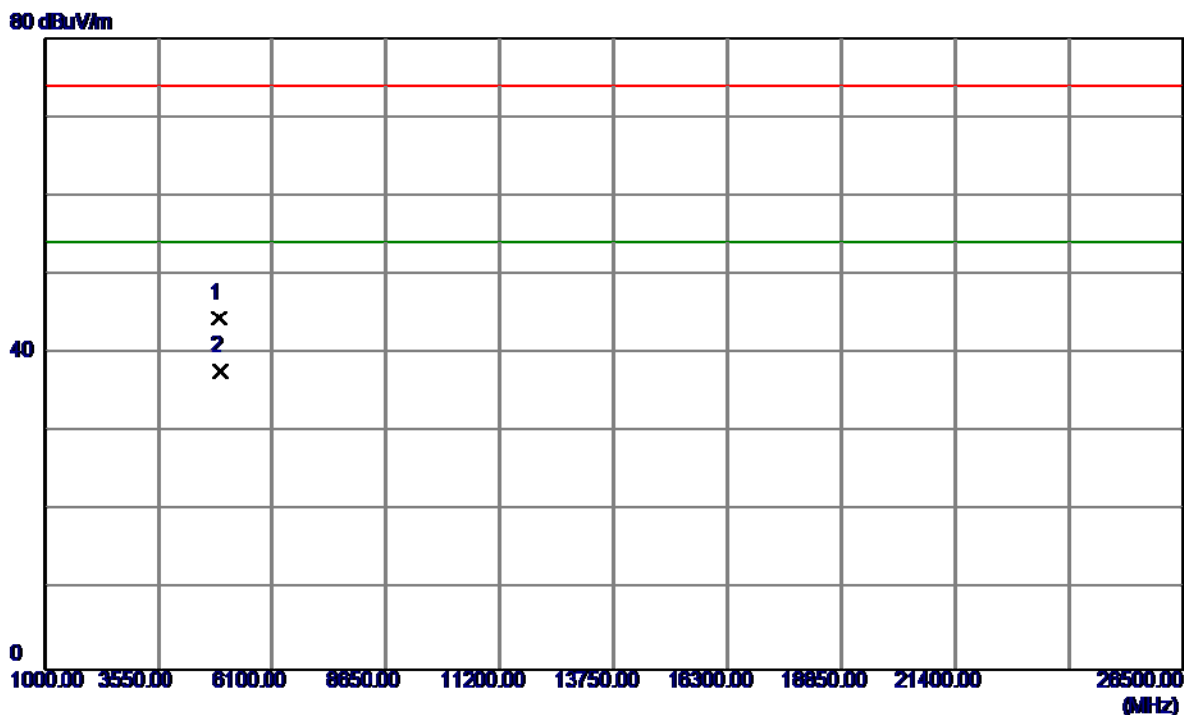
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.1000	65.92	34.64	100.56	74.00	26.56	Peak	NO LIMIT
2	2461.1000	62.67	34.64	97.31	54.00	43.31	AVG	NO LIMIT
3	2483.5000	21.42	34.77	56.19	74.00	-17.81	Peak	
4	2483.5000	12.20	34.77	46.97	54.00	-7.03	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

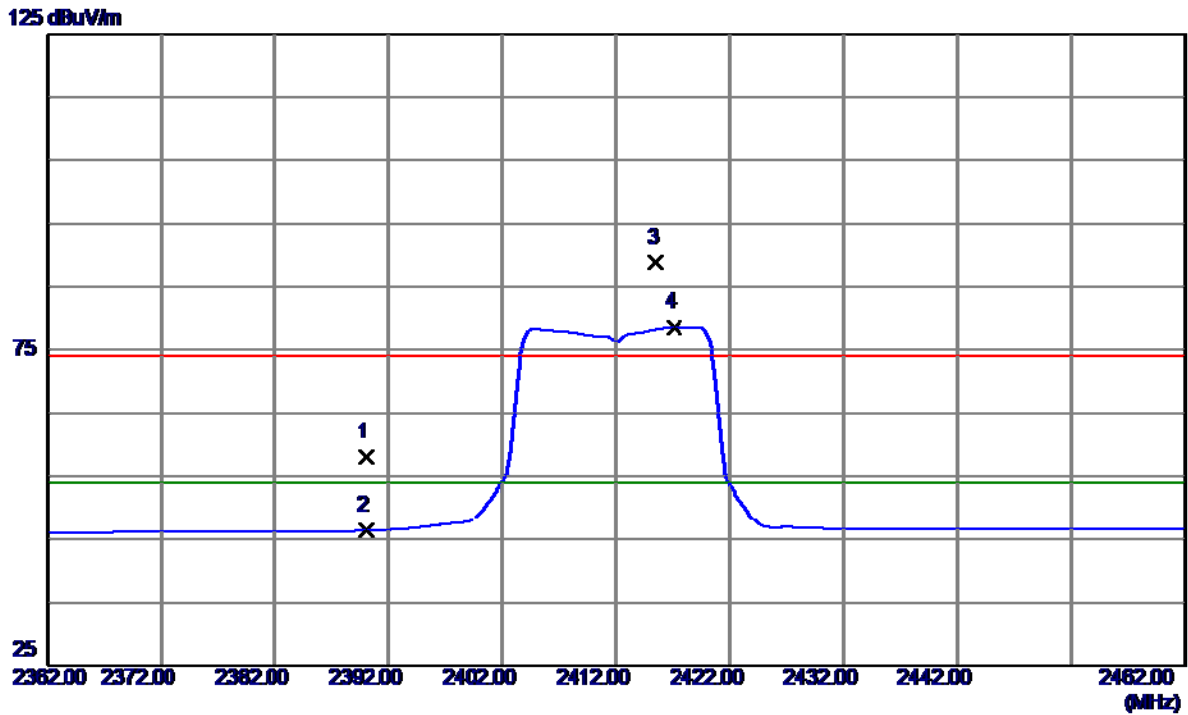
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.3920	41.36	3.05	44.41	74.00	-29.59	Peak	
2	4924.2559	34.70	3.05	37.75	54.00	-16.25	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

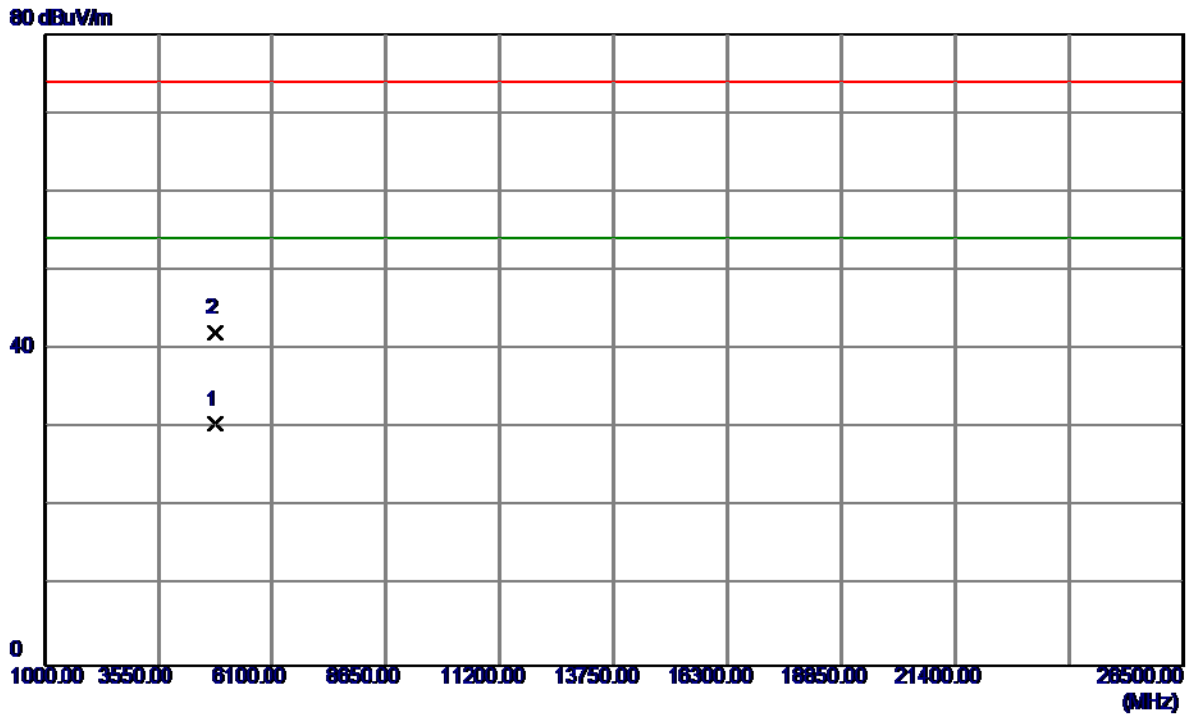
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.74	34.23	57.97	74.00	16.03	Peak	
2	2390.0000	12.10	34.23	46.33	54.00	-7.67	AVG	
3	2415.5000	54.43	34.38	88.81	74.00	14.81	Peak	NO LIMIT
4	2417.1000	44.25	34.39	78.64	54.00	24.64	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

**Vertical**

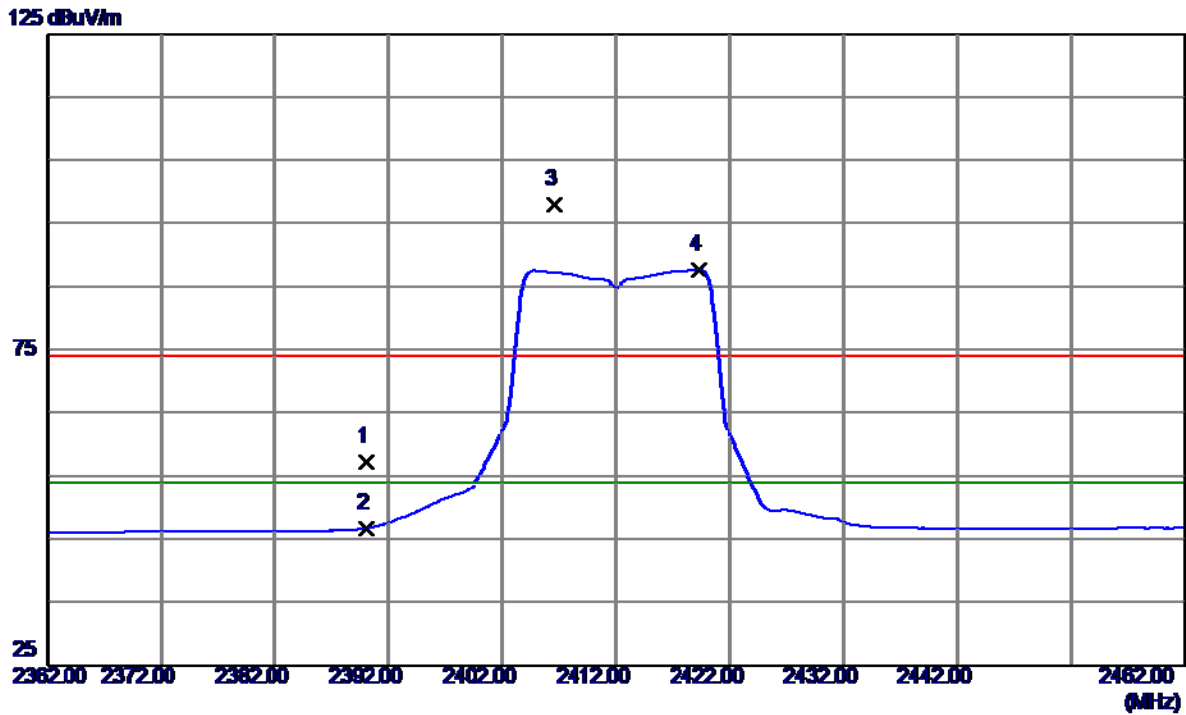


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.7300	27.48	3.00	30.48	54.00	-23.52	AVG	
2	4823.3480	39.04	3.00	42.04	74.00	-31.96	Peak	



Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

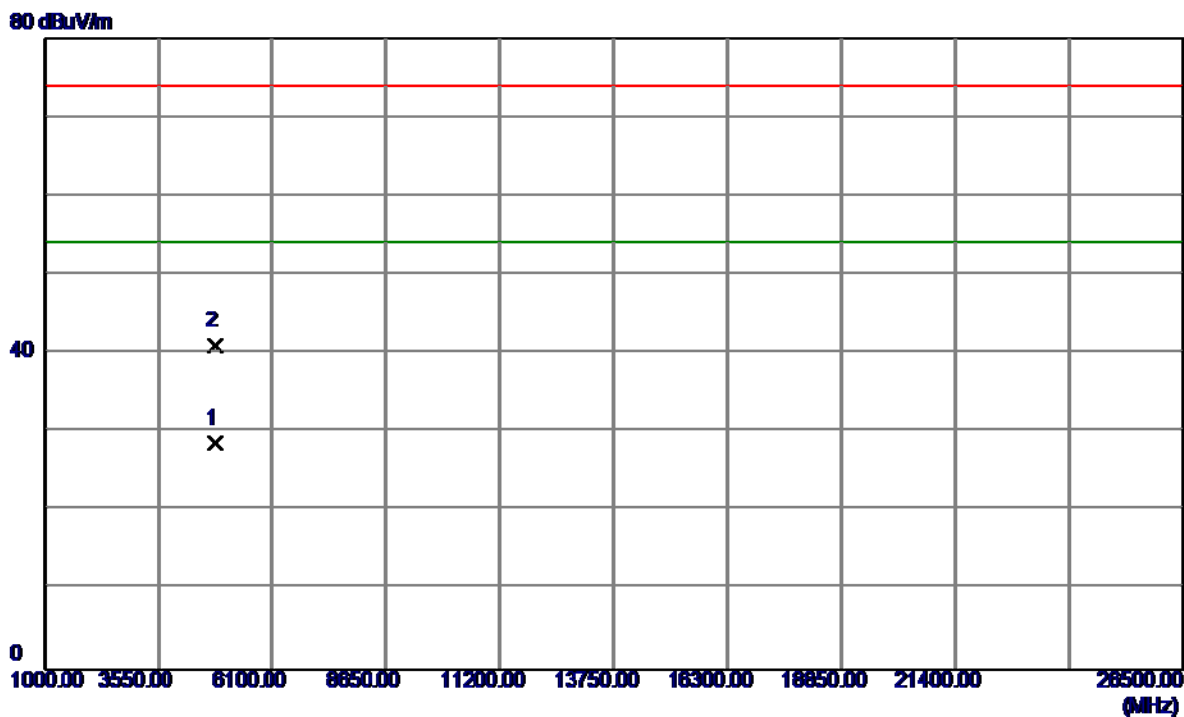
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.90	34.23	57.13	74.00	-16.87	Peak	
2	2390.0000	12.45	34.23	46.68	54.00	-7.32	AVG	
3	2406.6000	63.69	34.33	98.02	74.00	24.02	Peak	NO LIMIT
4	2419.3000	53.24	34.40	87.64	54.00	33.64	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

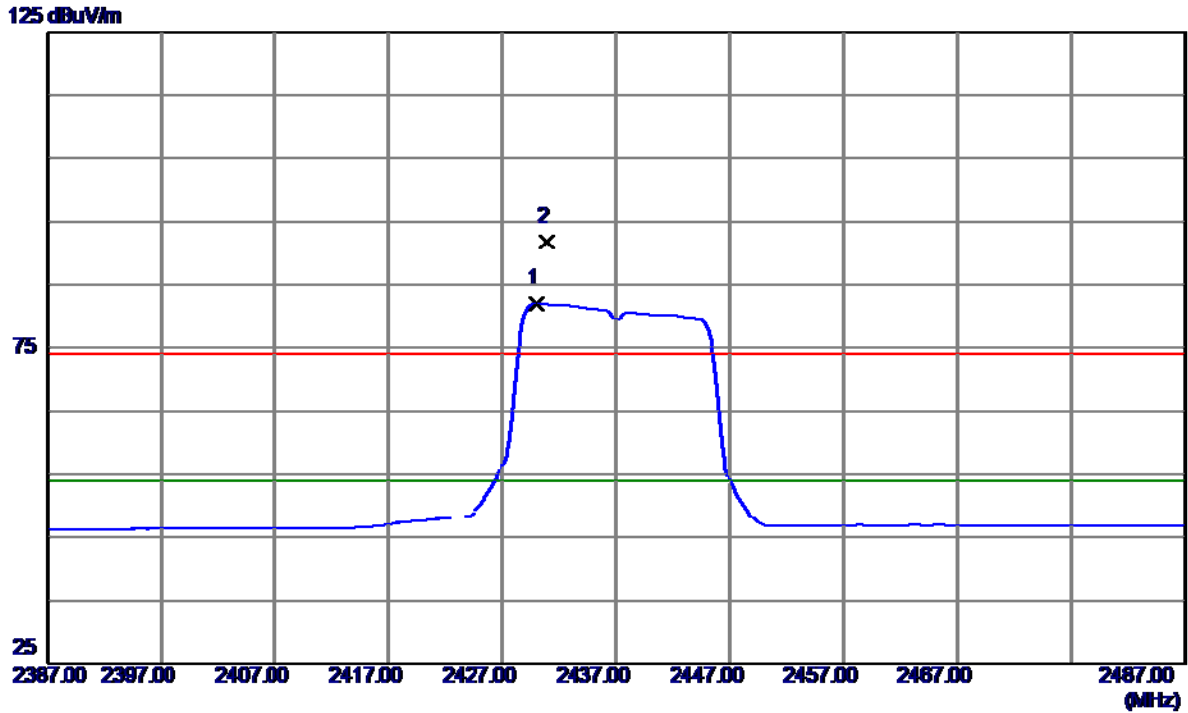
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.2500	25.56	3.00	28.56	54.00	-25.44	AVG	
2	4824.3700	37.94	3.00	40.94	74.00	-33.06	Peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

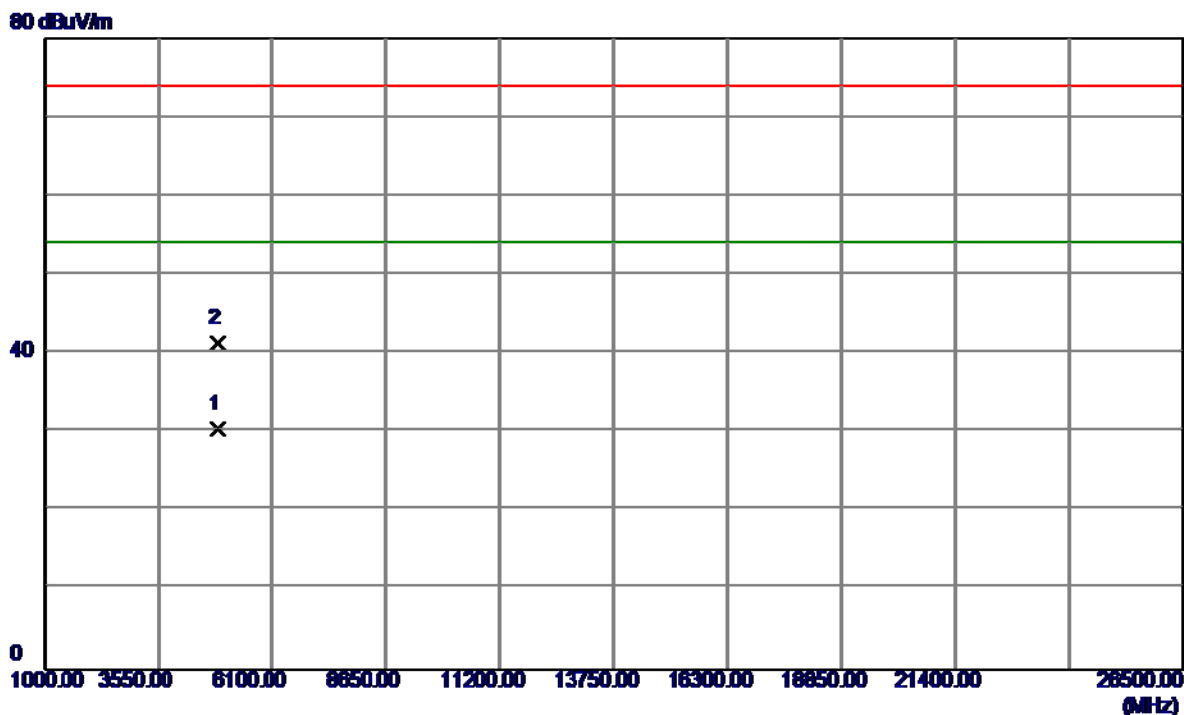
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2430.0000	47.53	34.46	81.99	54.00	27.99	AVG	NO LIMIT
2	2430.9000	57.33	34.47	91.80	74.00	17.80	Peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

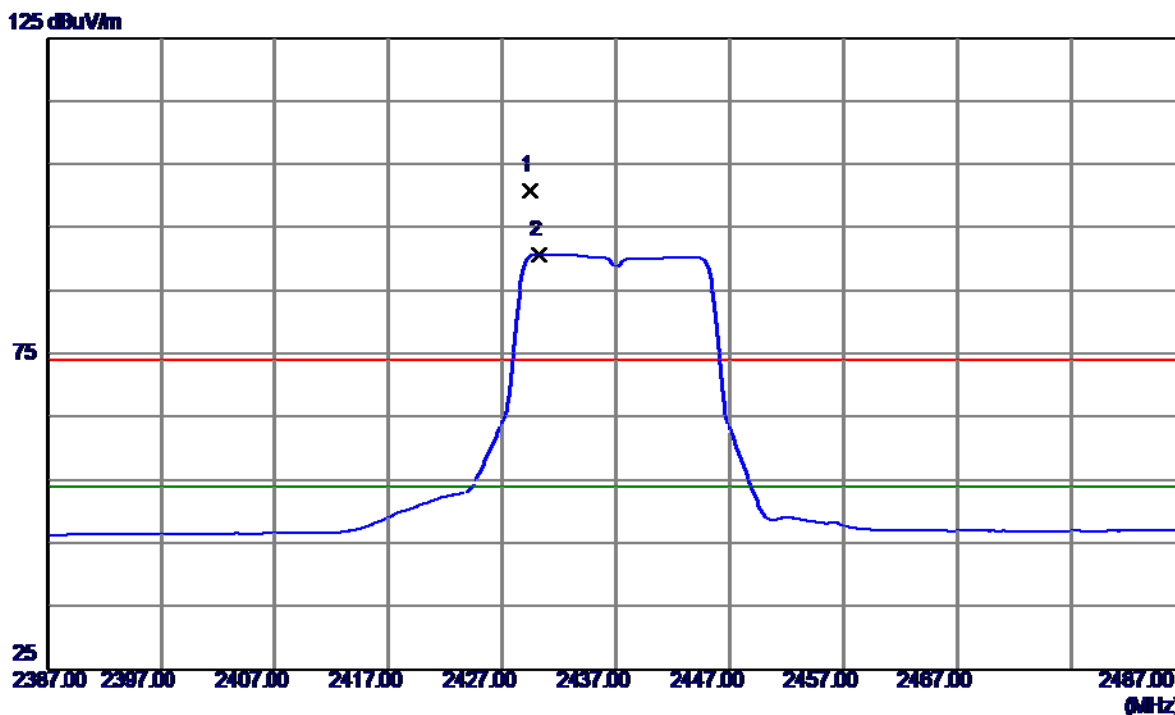
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0259	27.34	3.03	30.37	54.00	-23.63	AVG	
2	4873.2790	38.24	3.03	41.27	74.00	-32.73	Peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

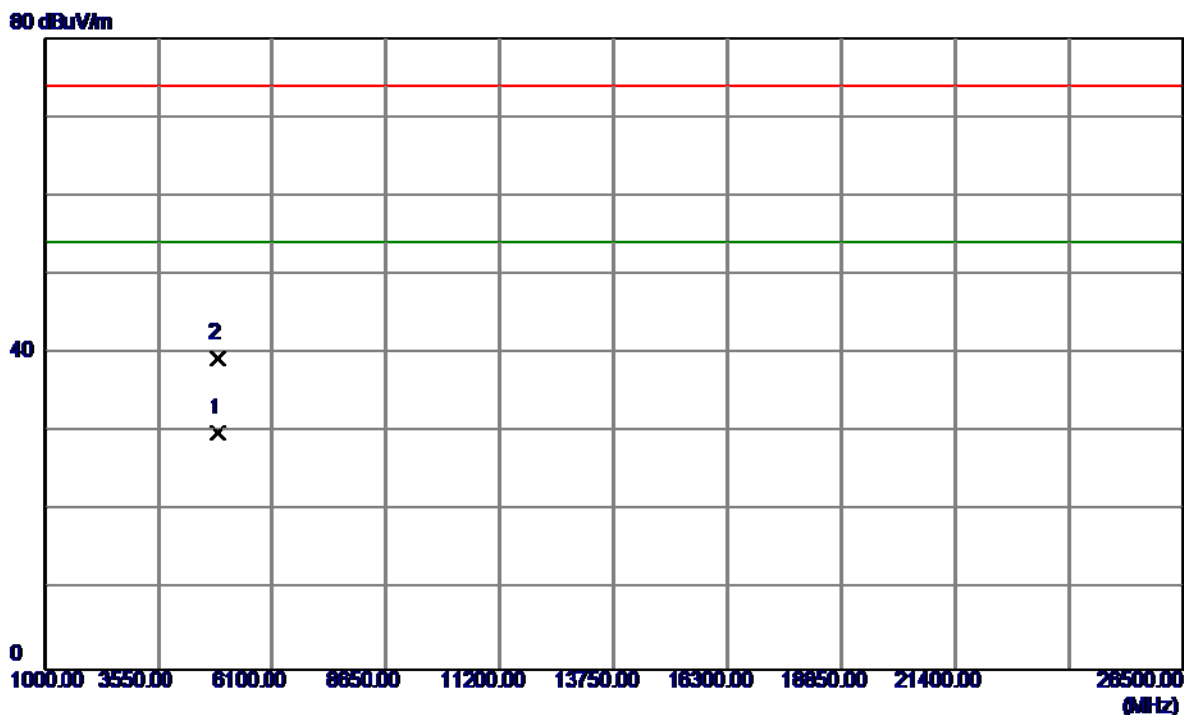
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2429.4000	66.26	34.46	100.72	74.00	26.72	Peak	NO LIMIT
2	2430.2000	56.20	34.47	90.67	54.00	36.67	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

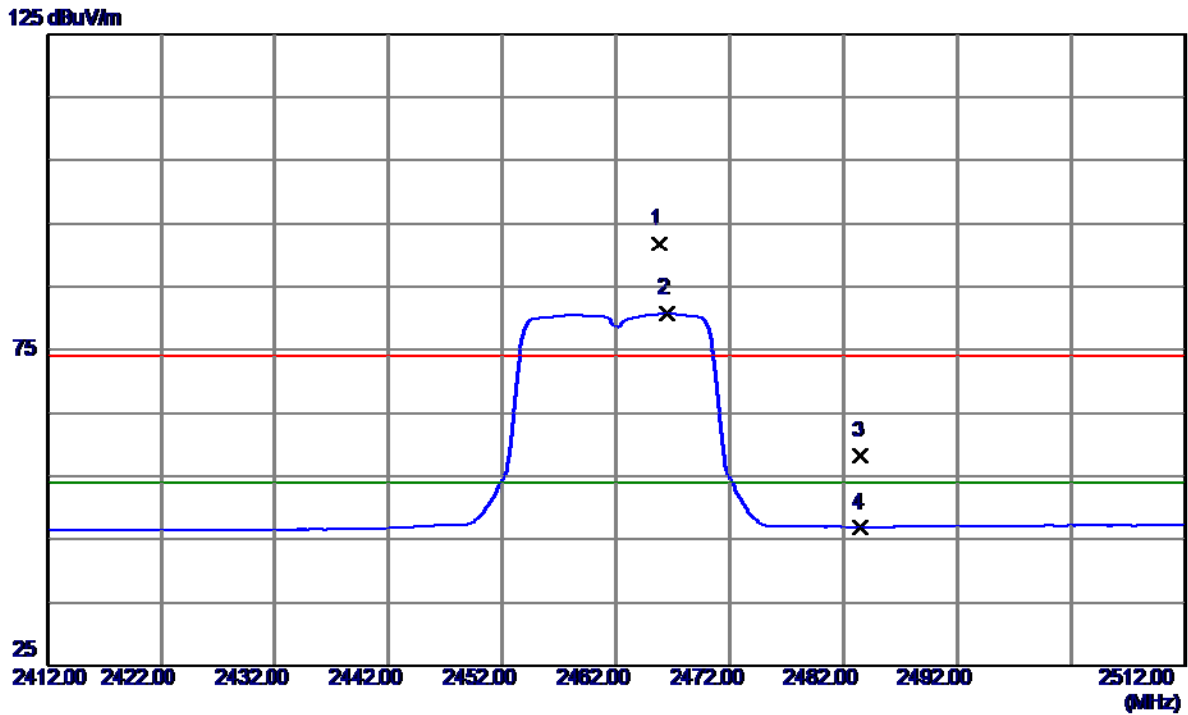
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.9600	26.84	3.03	29.87	54.00	-24.13	AVG	
2	4874.2799	36.32	3.03	39.35	74.00	-34.65	Peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

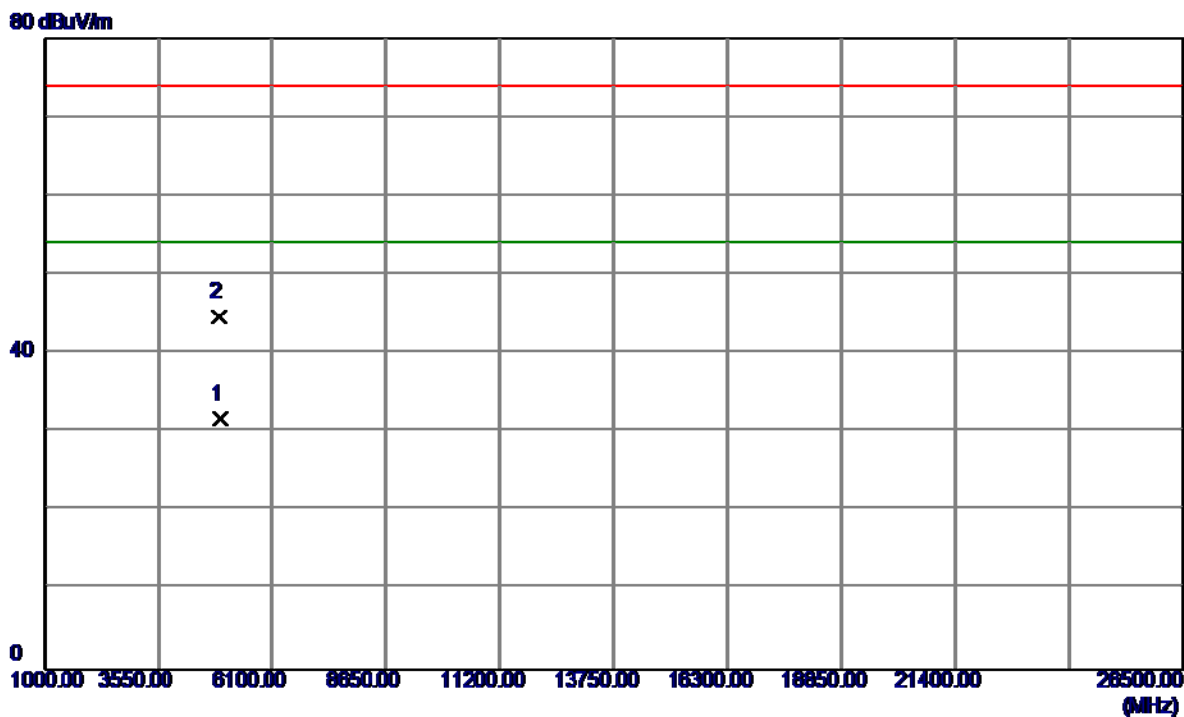
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2465.8000	57.11	34.67	91.78	74.00	17.78	Peak	NO LIMIT
2	2466.4000	46.05	34.68	80.73	54.00	26.73	AVG	NO LIMIT
3	2483.5000	23.38	34.77	58.15	74.00	-15.85	Peak	
4	2483.5000	12.09	34.77	46.86	54.00	-7.14	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

**Vertical**



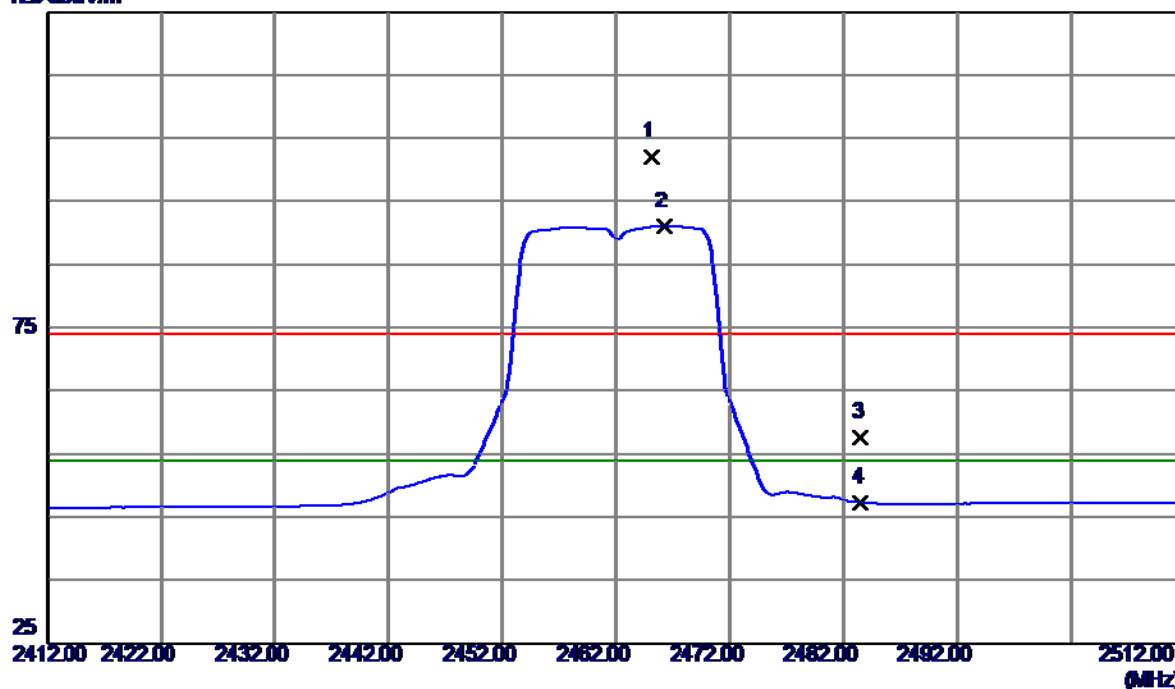
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.5000	28.59	3.05	31.64	54.00	-22.36	AVG	
2	4923.3700	41.61	3.05	44.66	74.00	-29.34	Peak	



Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

### Horizontal

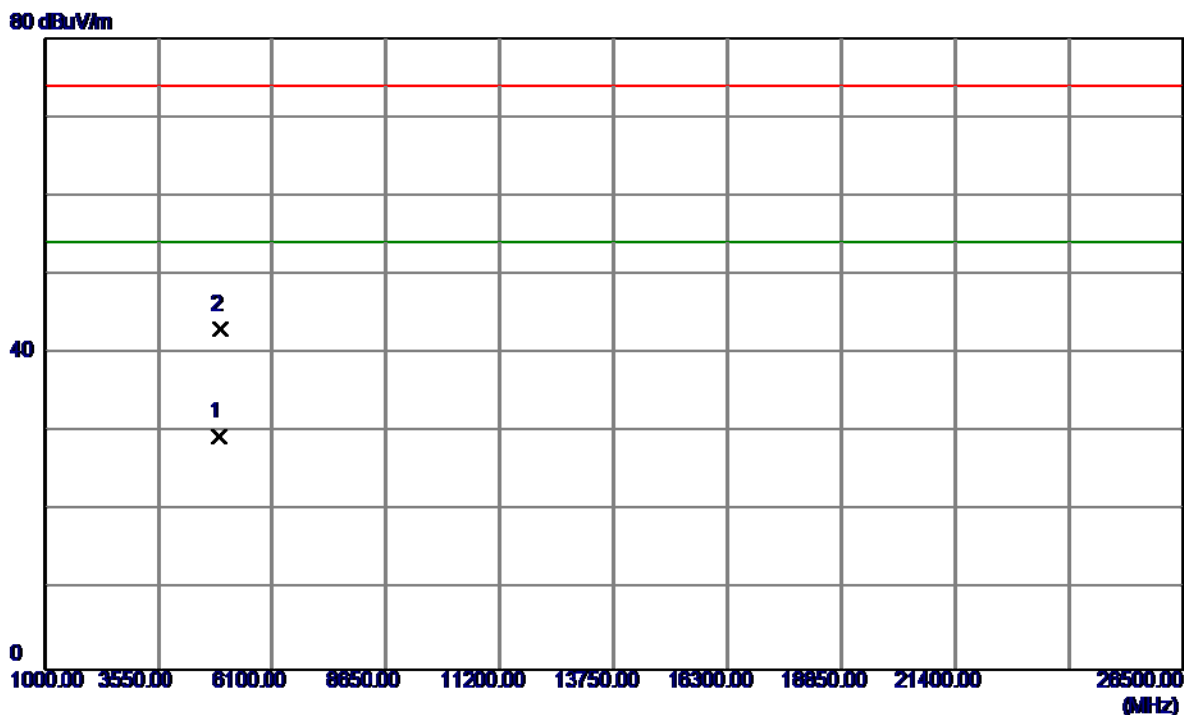
125 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2465.1000	67.33	34.67	102.00	74.00	28.00	Peak	NO LIMIT
2	2466.2000	56.41	34.67	91.08	54.00	37.08	AVG	NO LIMIT
3	2483.5000	22.78	34.77	57.55	74.00	-16.45	Peak	
4	2483.5000	12.47	34.77	47.24	54.00	-6.76	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

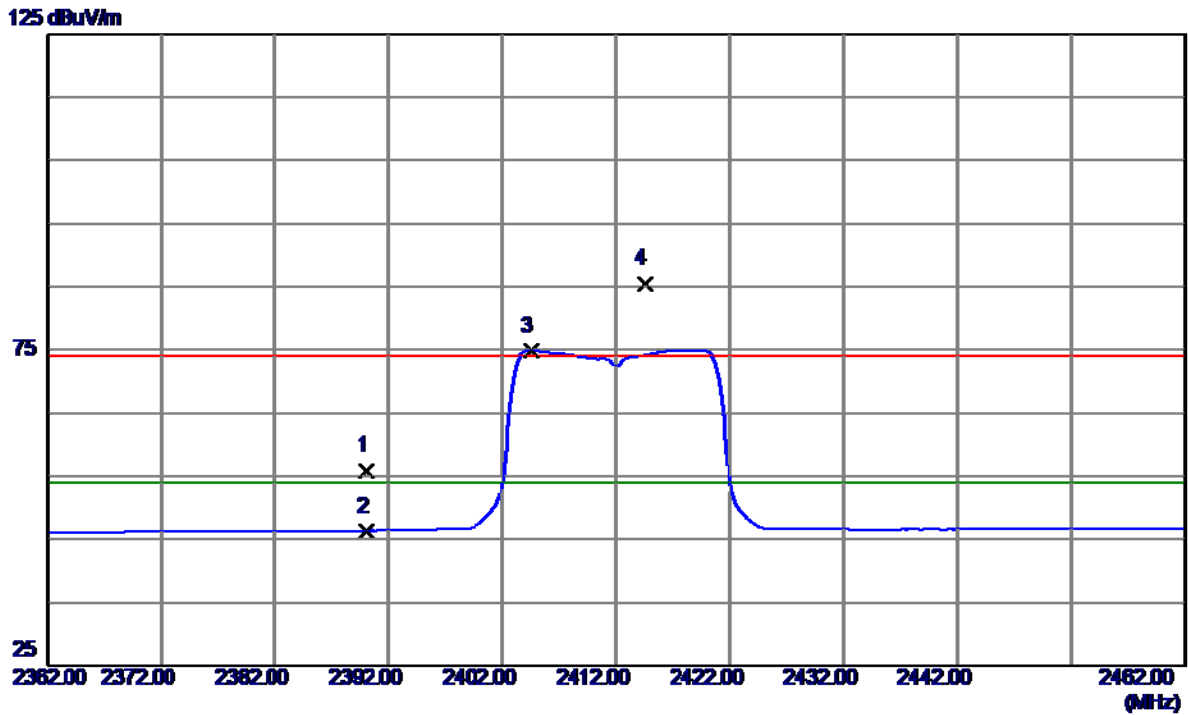
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.5000	26.39	3.05	29.44	54.00	-24.56	AVG	
2	4924.5370	39.97	3.05	43.02	74.00	-30.98	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

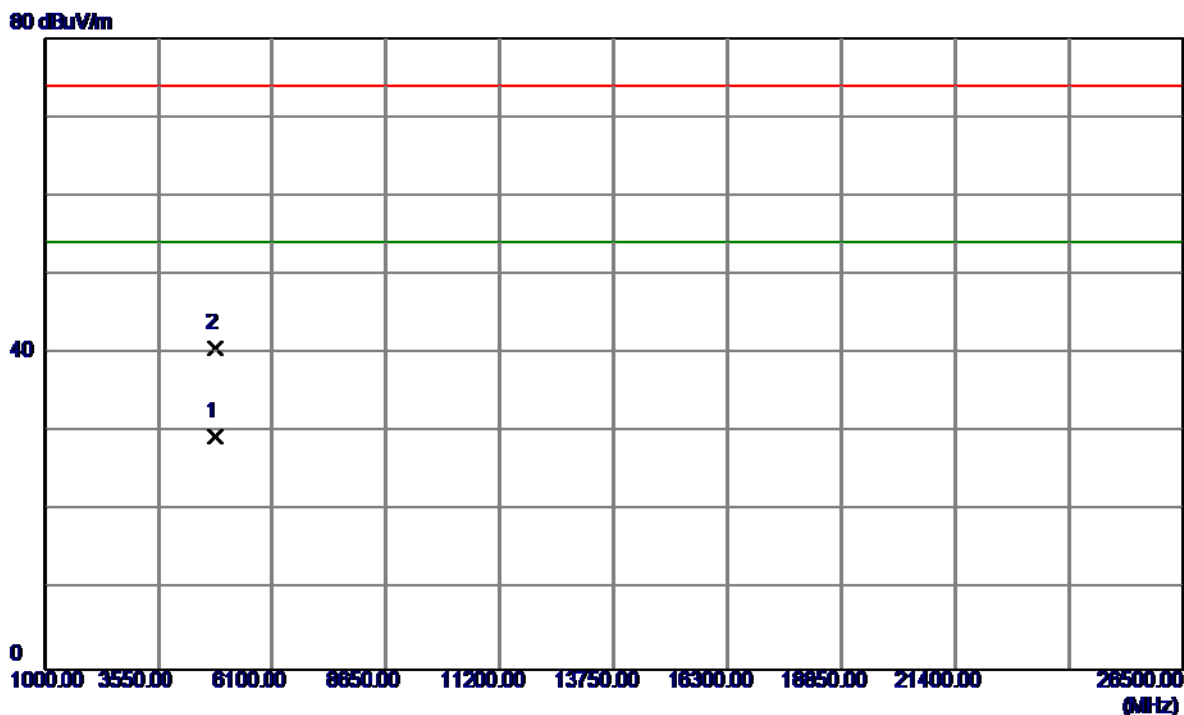
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	21.66	34.23	55.89	74.00	18.11	Peak	
2	2390.0000	12.06	34.23	46.29	54.00	-7.71	AVG	
3	2404.5000	40.52	34.32	74.84	54.00	20.84	AVG	NO LIMIT
4	2414.5000	51.10	34.37	85.47	74.00	11.47	Peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

**Vertical**

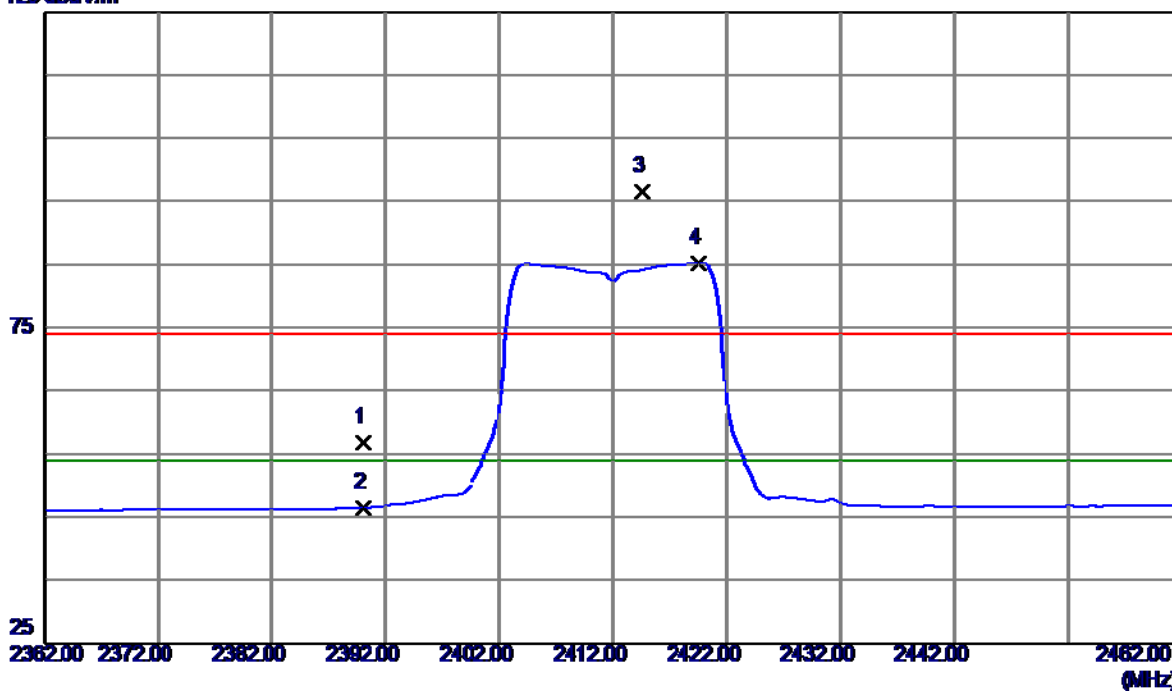


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.8600	26.50	3.00	29.50	54.00	-24.50	AVG	
2	4824.4589	37.67	3.00	40.67	74.00	-33.33	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

### Horizontal

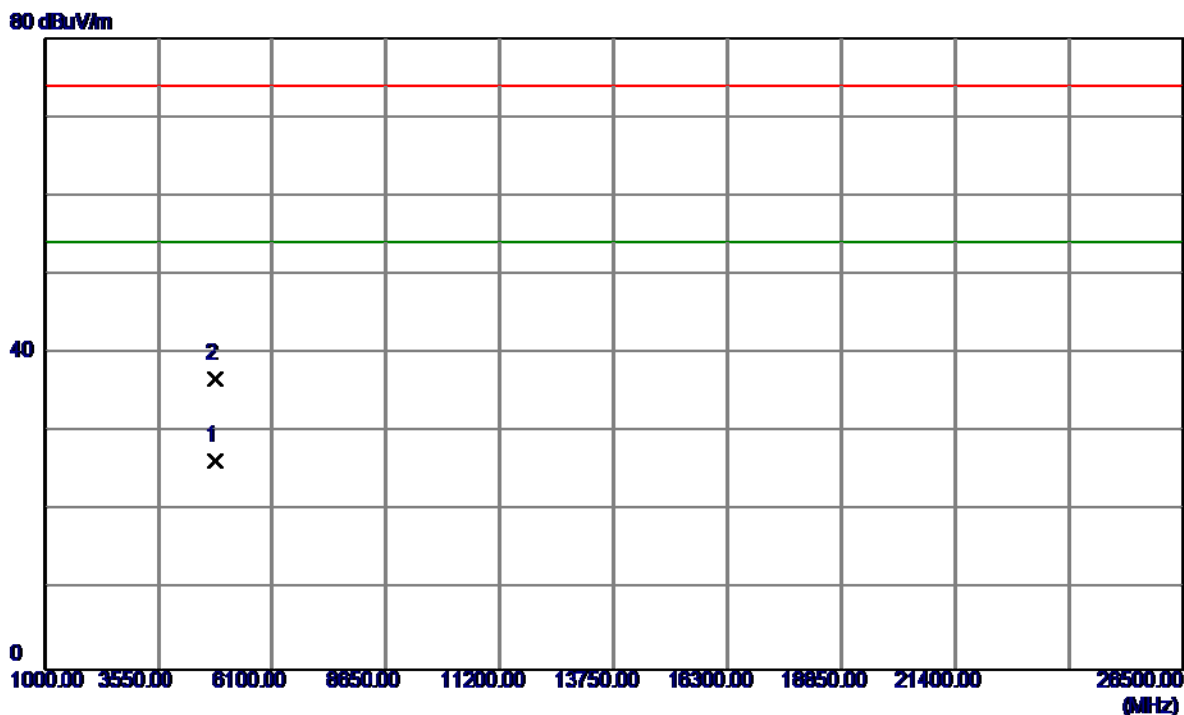
125 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.66	34.23	56.89	74.00	-17.11	Peak	
2	2390.0000	12.19	34.23	46.42	54.00	-7.58	AVG	
3	2414.6000	62.15	34.37	96.52	74.00	22.52	Peak	NO LIMIT
4	2419.6000	50.88	34.40	85.28	54.00	31.28	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

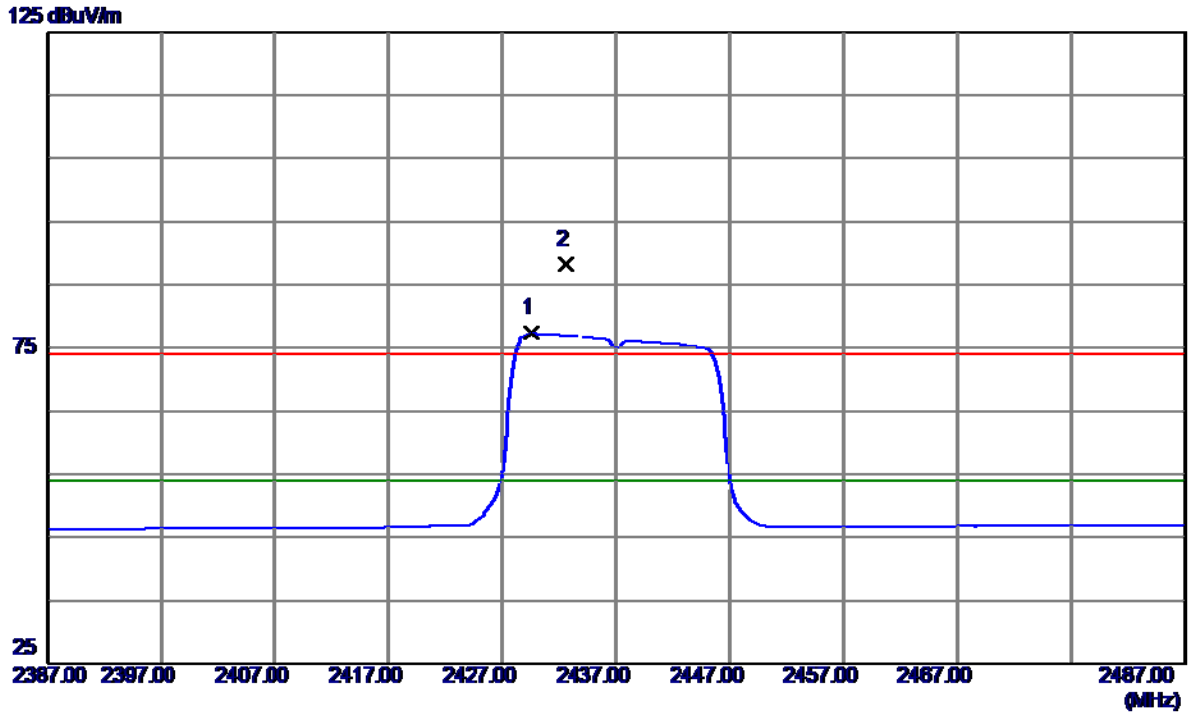
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9600	23.39	3.00	26.39	54.00	-27.61	AVG	
2	4823.3800	33.77	3.00	36.77	74.00	-37.23	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

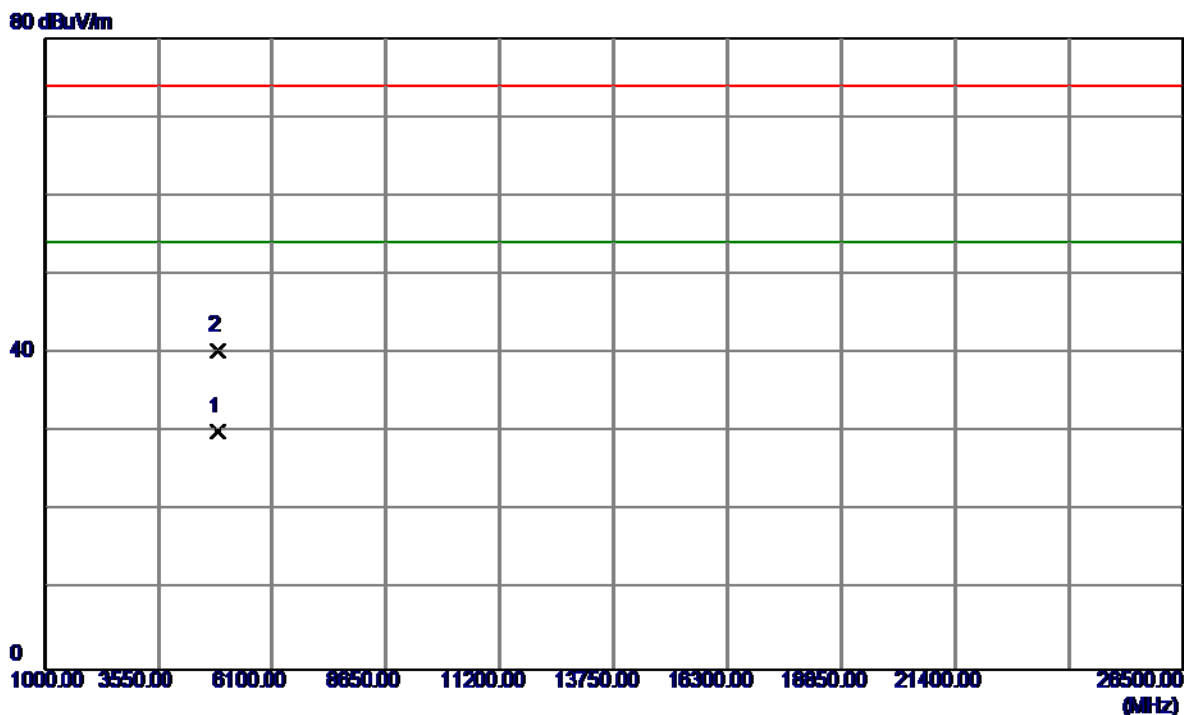
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2429.6000	42.86	34.46	77.32	54.00	23.32	AVG	NO LIMIT
2	2432.6000	53.71	34.48	88.19	74.00	14.19	Peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

### Vertical

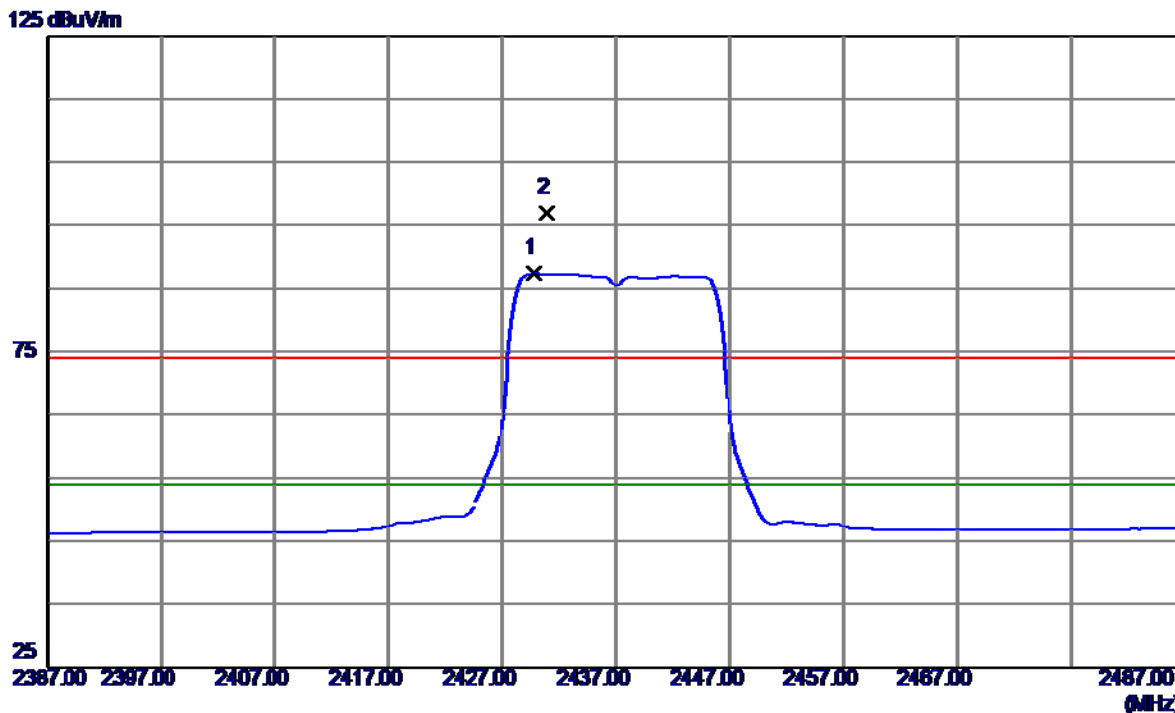


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.5000	27.12	3.03	30.15	54.00	-23.85	AVG	
2	4874.0036	37.36	3.03	40.39	74.00	-33.61	Peak	



Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

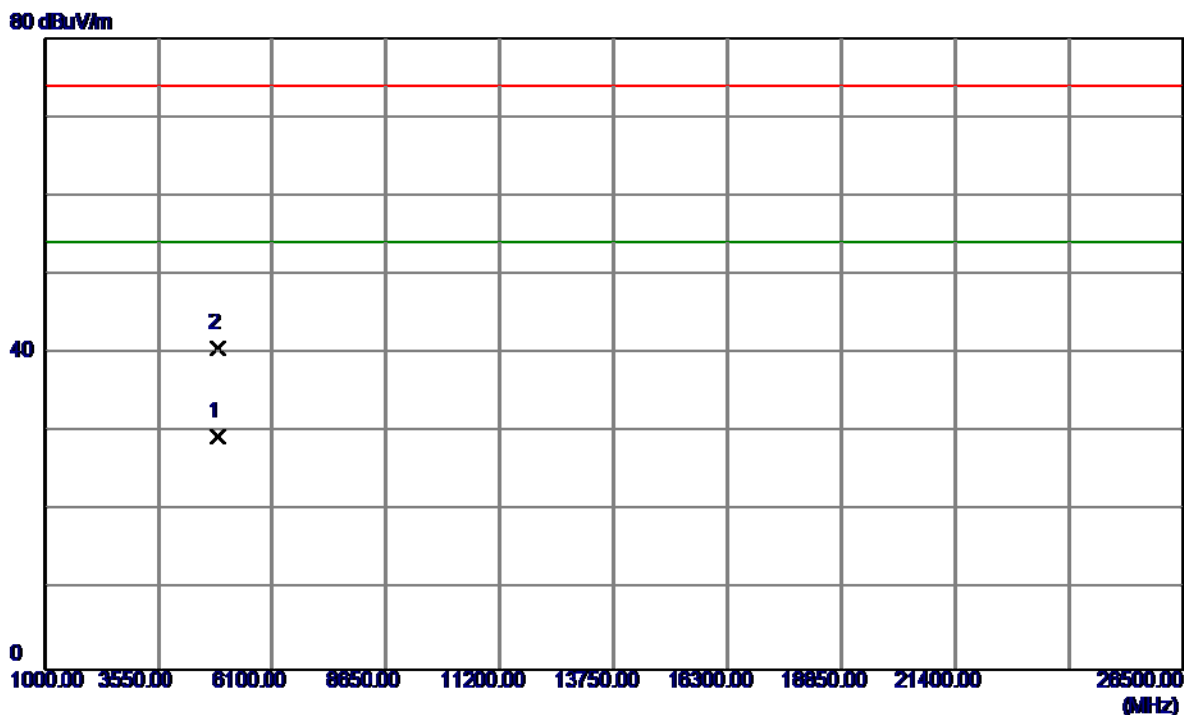
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2429.8000	52.85	34.46	87.31	54.00	33.31	AVG	NO LIMIT
2	2430.9000	62.61	34.47	97.08	74.00	23.08	Peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

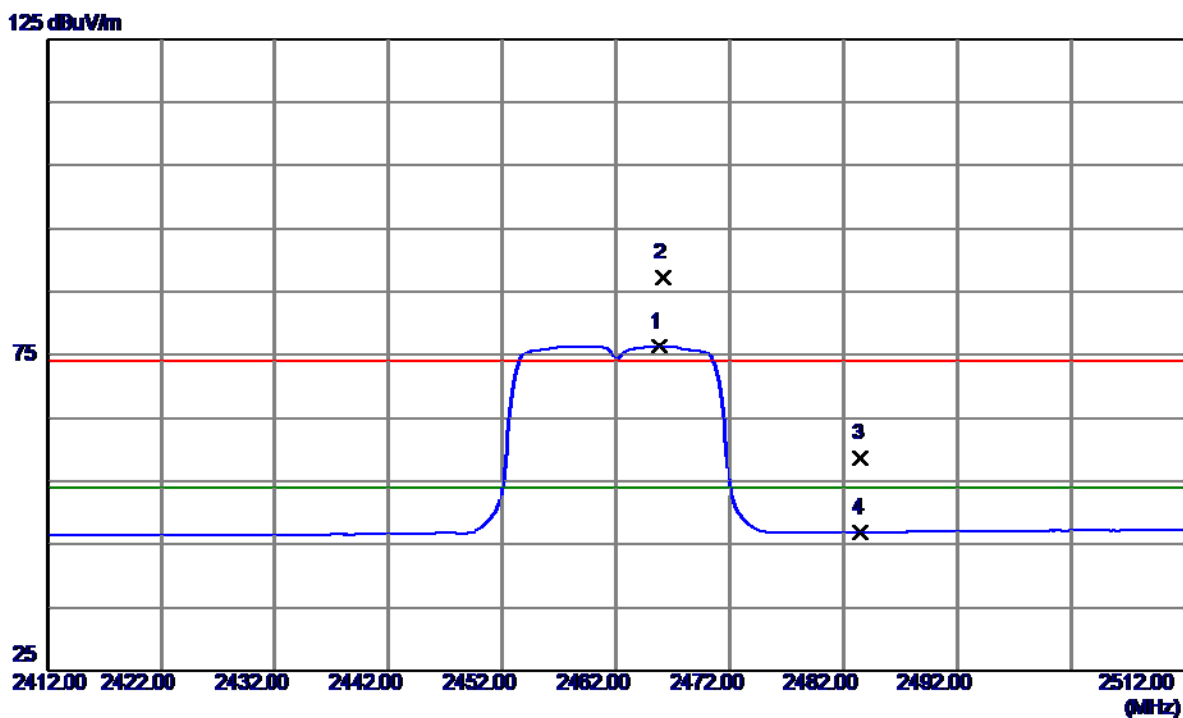
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.3000	26.47	3.03	29.50	54.00	-24.50	AVG	
2	4874.4000	37.68	3.03	40.71	74.00	-33.29	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

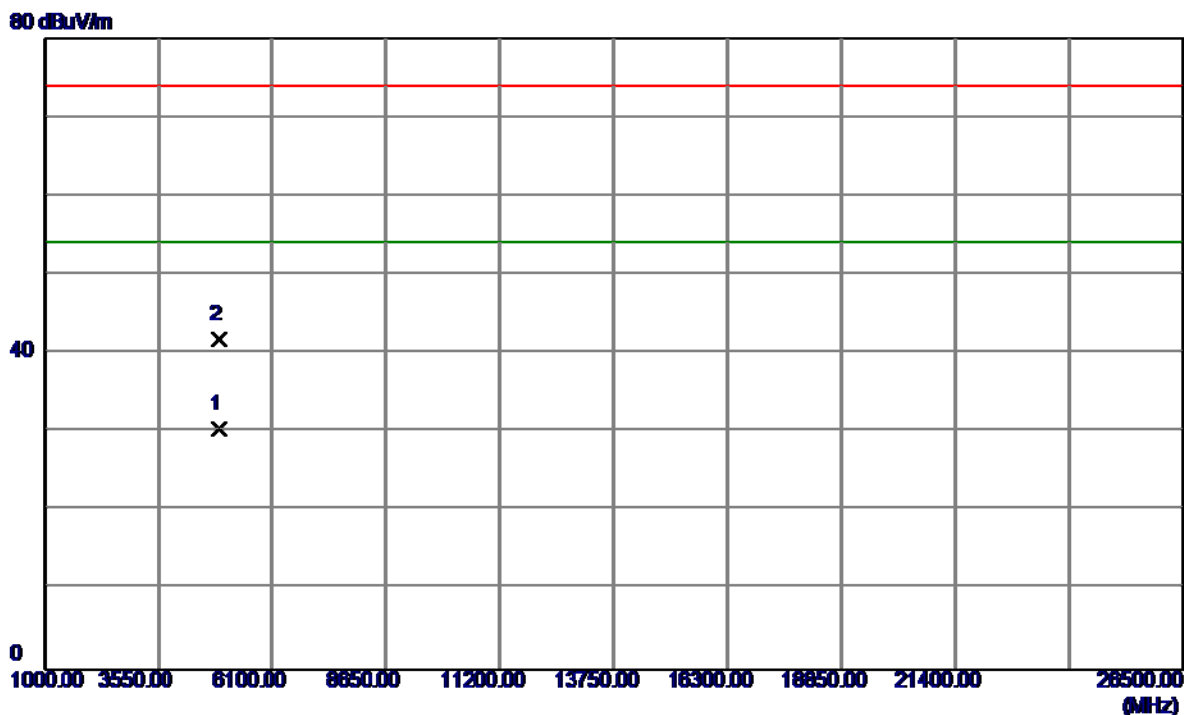
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2465.8000	41.63	34.67	76.30	54.00	22.30	AVG	NO LIMIT
2	2466.1000	52.57	34.67	87.24	74.00	13.24	Peak	NO LIMIT
3	2483.5000	23.74	34.77	58.51	74.00	-15.49	Peak	
4	2483.5000	12.06	34.77	46.83	54.00	-7.17	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

**Vertical**

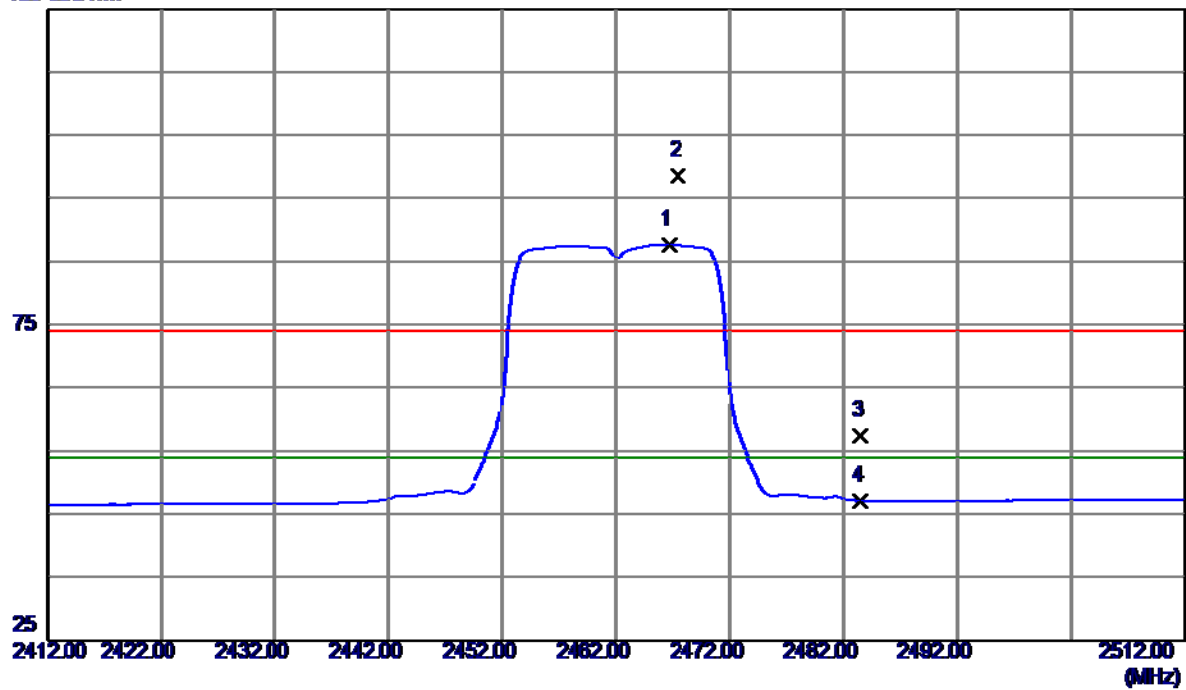


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.5000	27.28	3.05	30.33	54.00	-23.67	AVG	
2	4924.0259	38.72	3.05	41.77	74.00	-32.23	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

### Horizontal

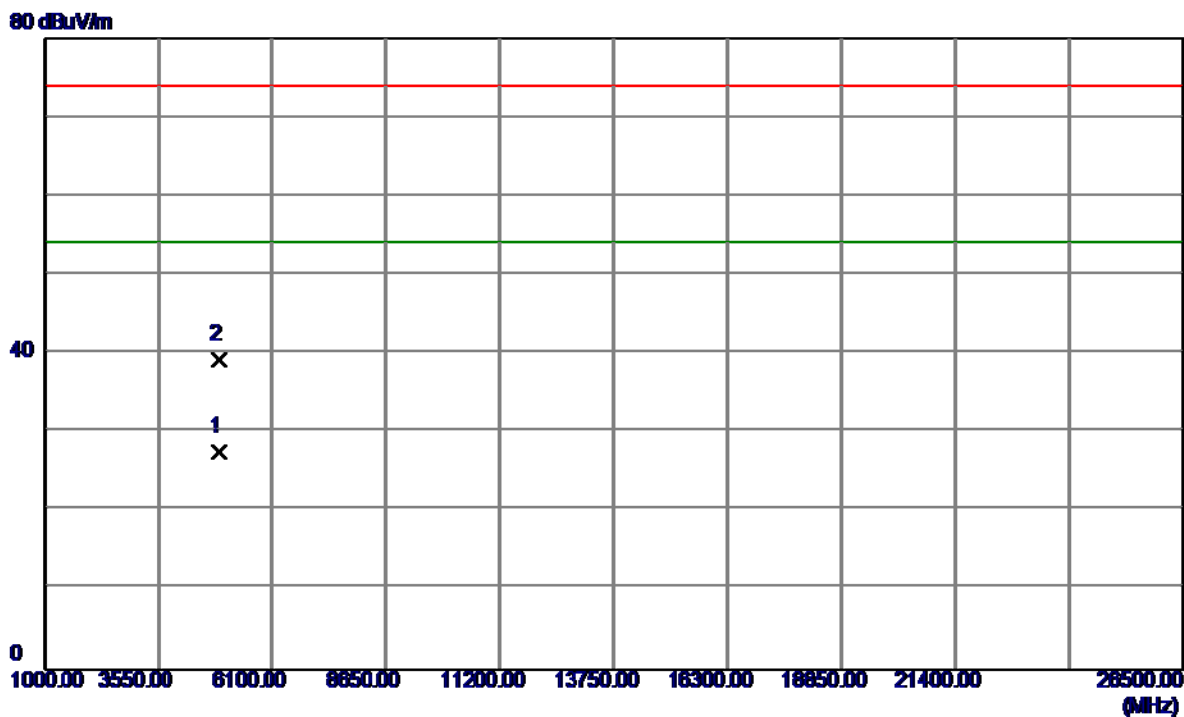
125 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2466.7000	53.00	34.68	87.68	54.00	33.68	AVG	NO LIMIT
2	2467.5000	63.89	34.68	98.57	74.00	24.57	Peak	NO LIMIT
3	2483.5000	22.60	34.77	57.37	74.00	-16.63	Peak	
4	2483.5000	12.27	34.77	47.04	54.00	-6.96	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

### Horizontal



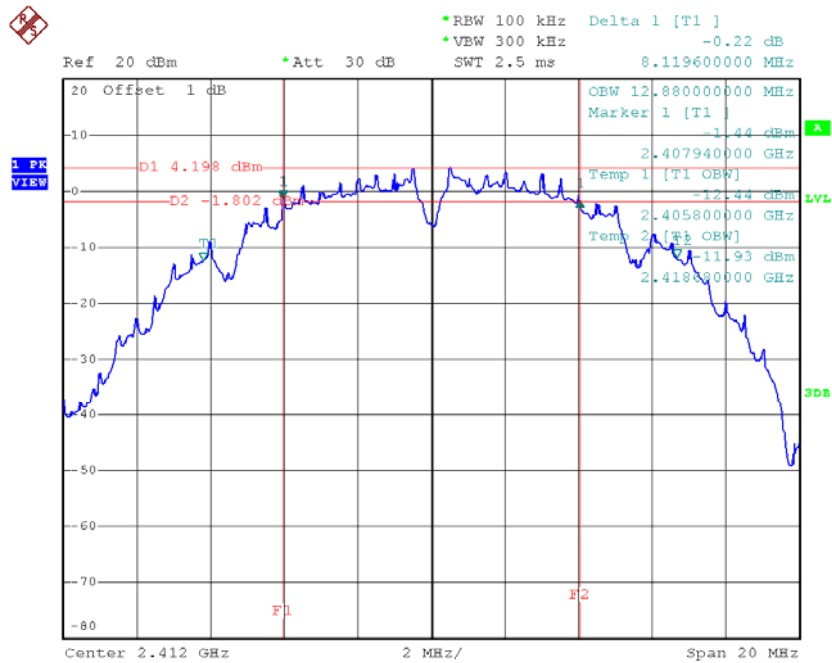
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.4900	24.47	3.05	27.52	54.00	-26.48	AVG	
2	4924.0000	36.08	3.05	39.13	74.00	-34.87	Peak	

## ATTACHMENT E - BANDWIDTH

**Test Mode : TX B Mode\_CH01/06/11**

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	8.12	12.88	500	Complies
2437	8.56	13.00	500	Complies
2462	8.06	12.76	500	Complies

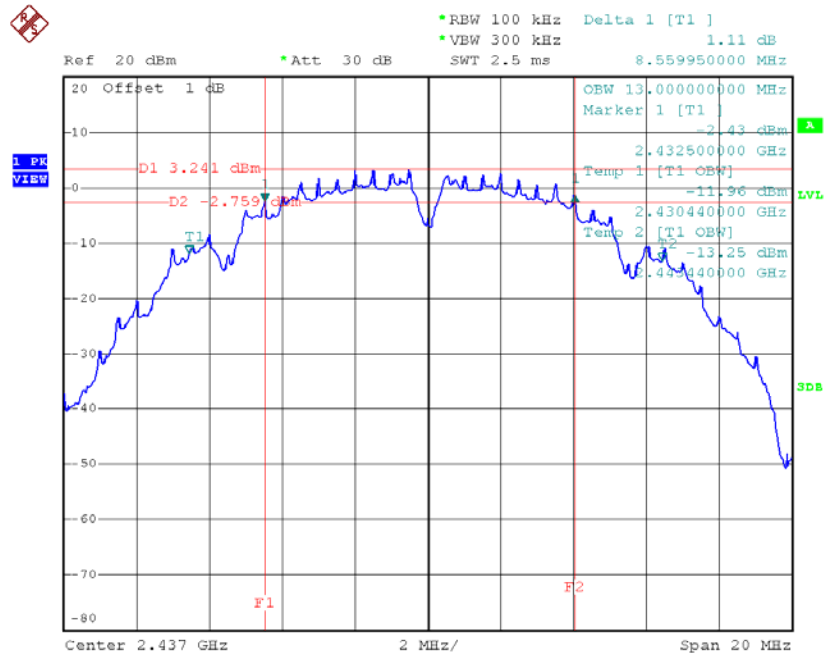
**TX CH01**



Date: 1.MAR.2016 14:30:07

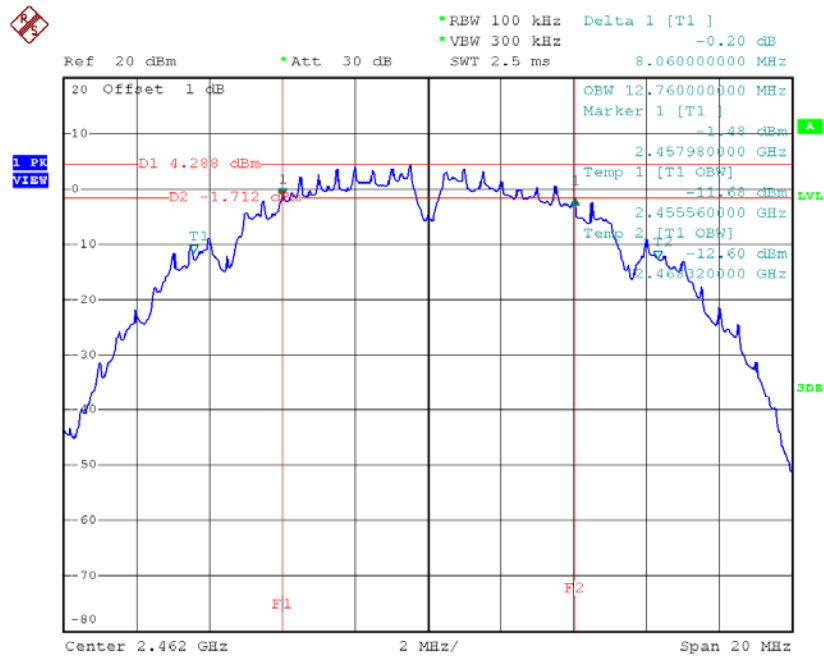


### TX CH06



Date: 1.MAR.2016 14:31:44

### TX CH11

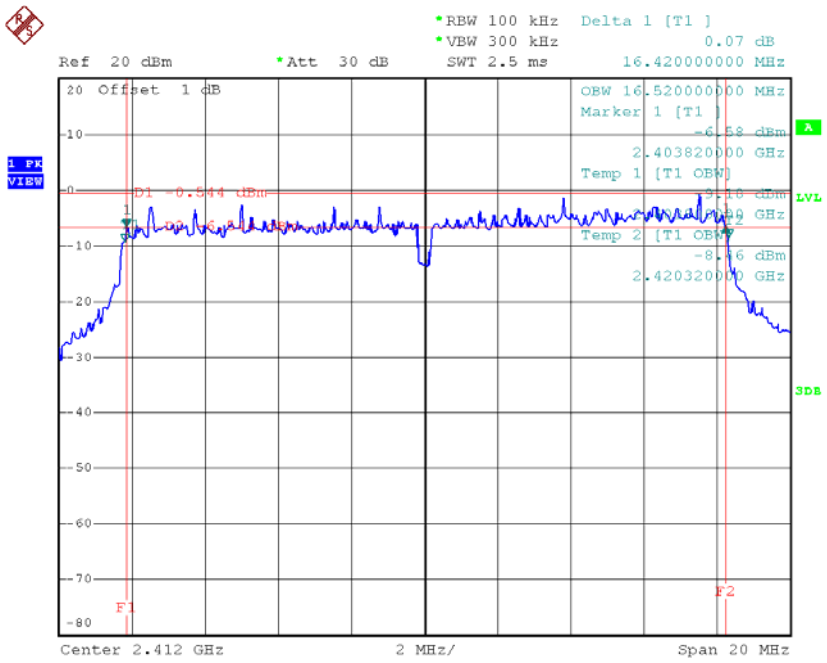


Date: 1.MAR.2016 14:33:17

**Test Mode: TX G Mode\_CH01/06/11**

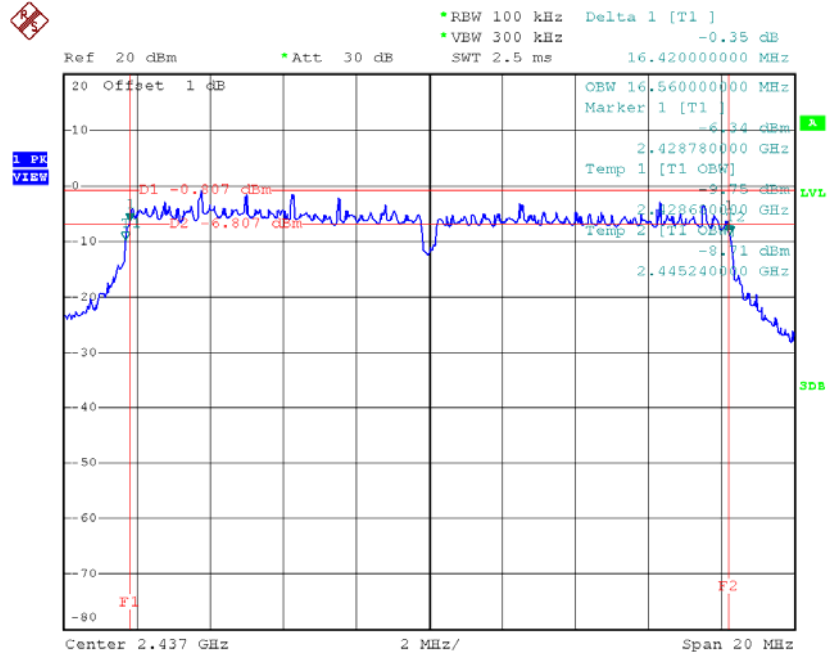
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.42	16.52	500	Complies
2437	16.42	16.56	500	Complies
2462	16.42	16.48	500	Complies

**TX CH01**



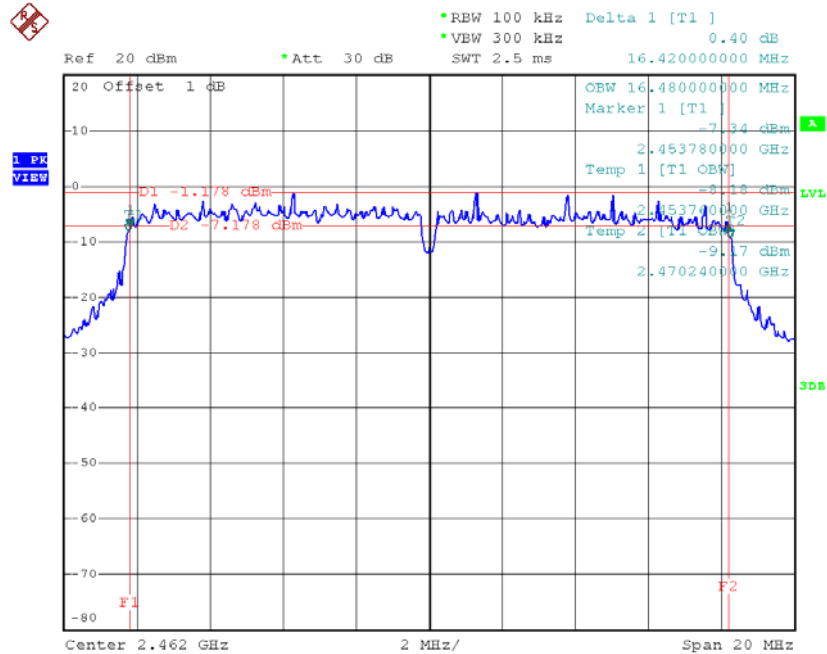
Date: 1.MAR.2016 14:34:46

### TX CH06



Date: 1.MAR.2016 14:36:18

### TX CH11

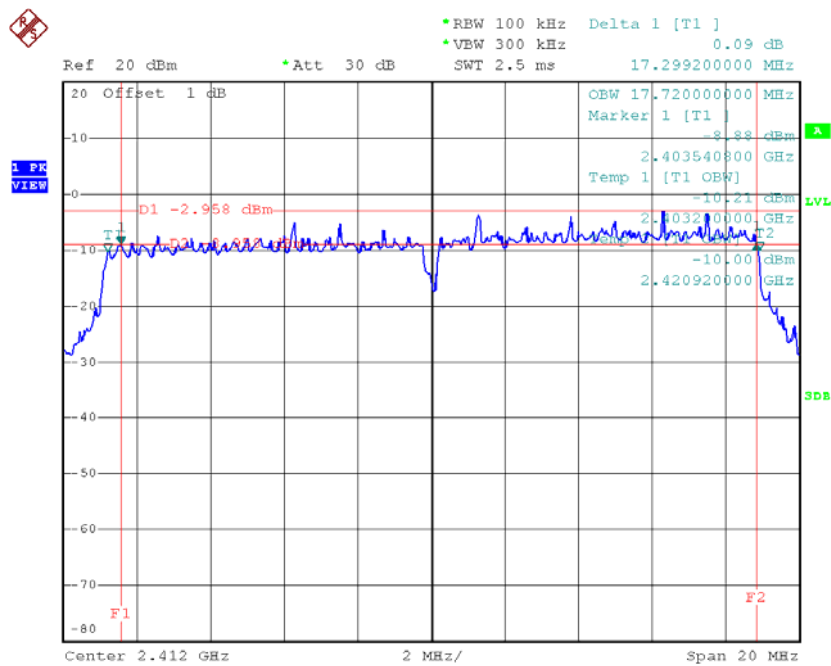


Date: 1.MAR.2016 14:37:28

**Test Mode : TX N-20MHz Mode\_CH01/06/11**

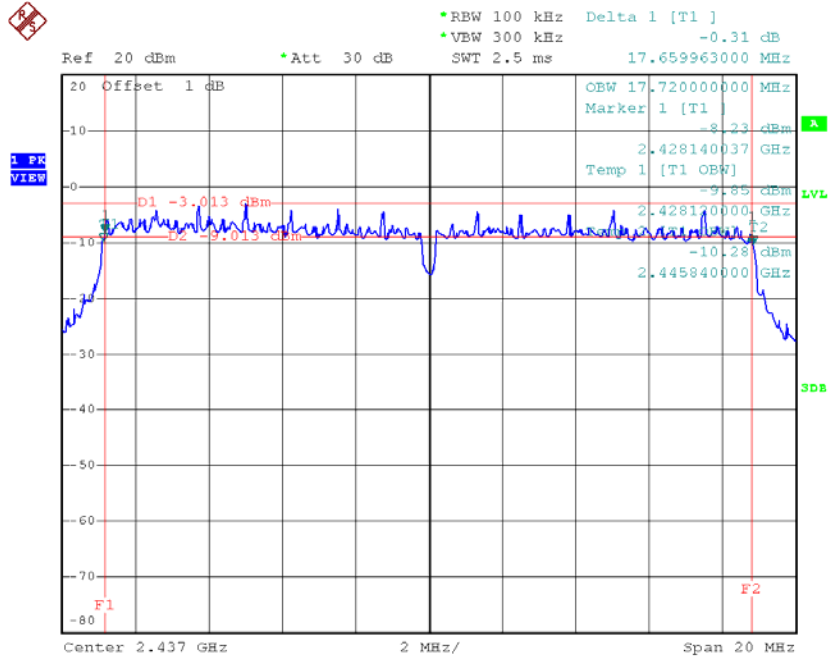
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.3	17.72	500	Complies
2437	17.66	17.72	500	Complies
2462	17.00	17.64	500	Complies

**TX CH01**



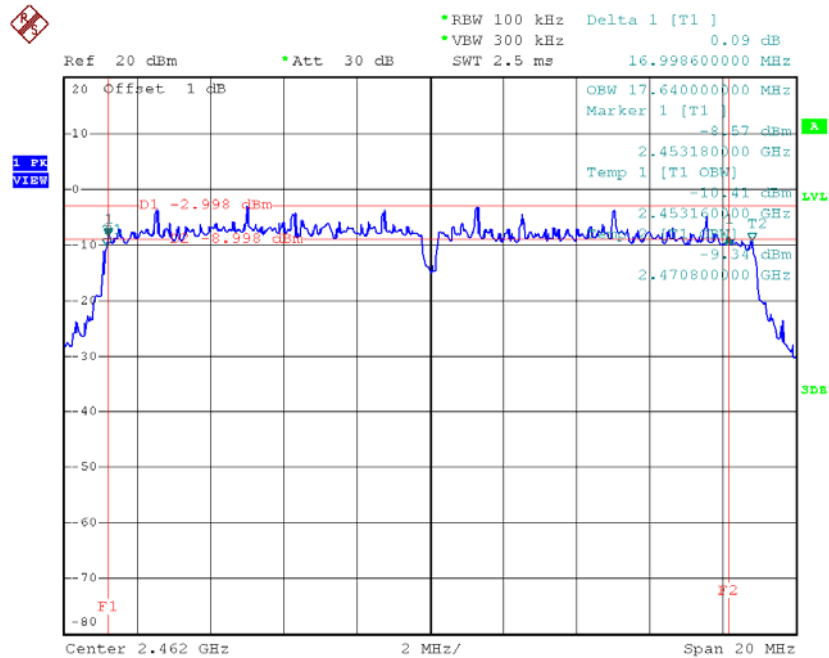
Date: 1.MAR.2016 14:38:36

### TX CH06



Date: 1.MAR.2016 14:39:42

### TX CH11



Date: 1.MAR.2016 14:40:38

## **ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER**

Test Mode :TX B Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	17.21	0.05	30.00	1.00	Complies
2437	16.87	0.05	30.00	1.00	Complies
2462	17.06	0.05	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.91	0.16	30.00	1.00	Complies
2437	22.61	0.18	30.00	1.00	Complies
2462	22.27	0.17	30.00	1.00	Complies

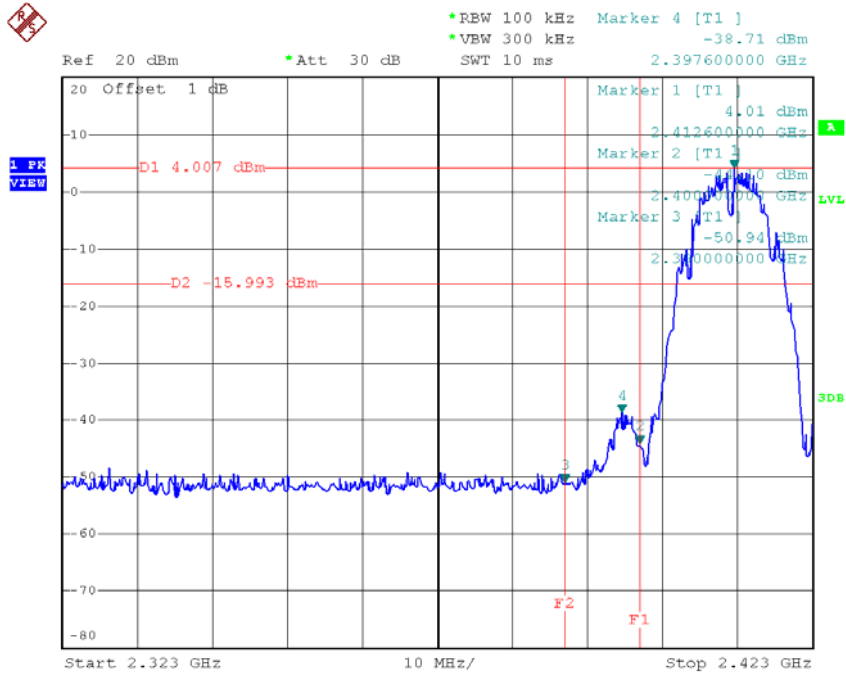
Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.05	0.10	30.00	1.00	Complies
2437	20.21	0.10	30.00	1.00	Complies
2462	20.08	0.10	30.00	1.00	Complies

**ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS  
EMISSION**



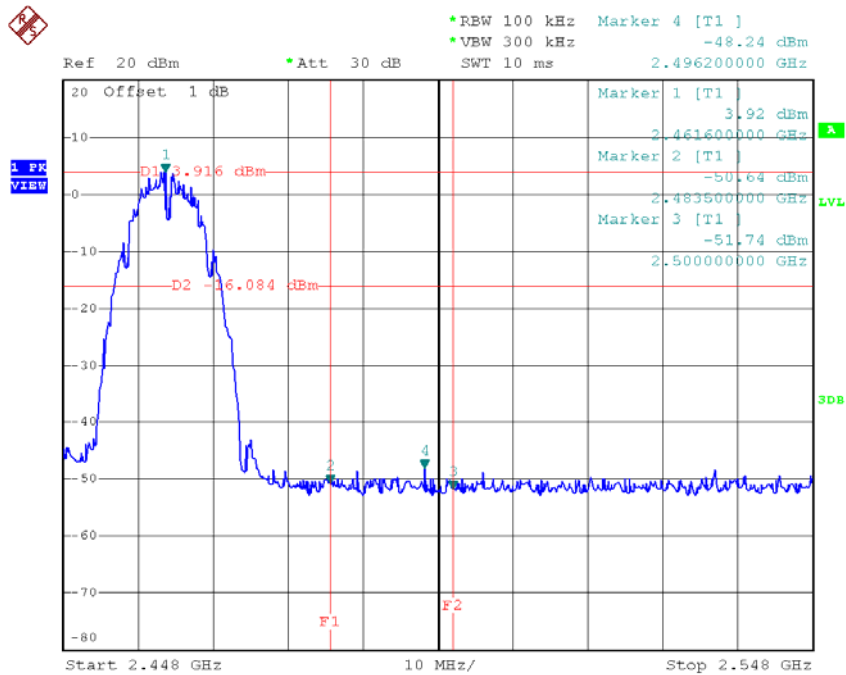
Test Mode : TX B Mode

### TX B mode CH01



Date: 1.MAR.2016 14:30:32

### TX B mode CH11



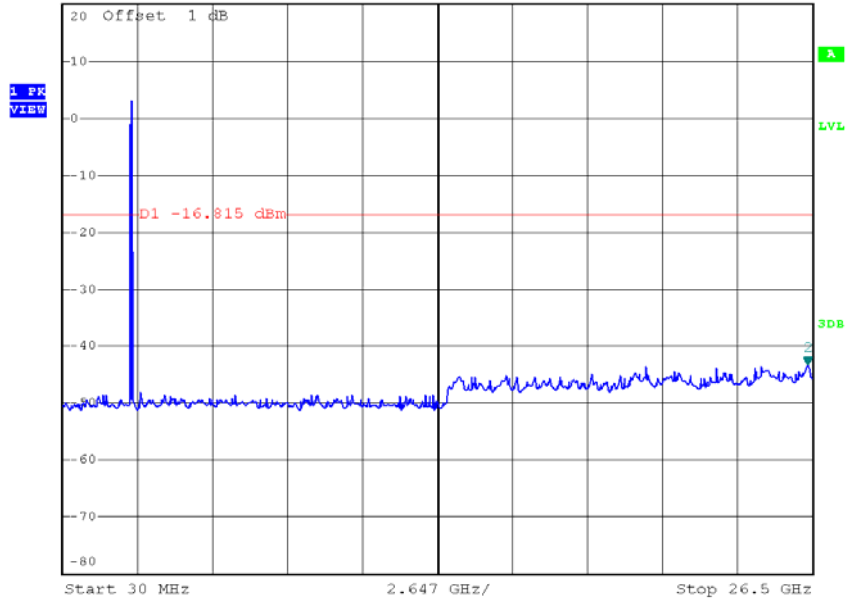
Date: 1.MAR.2016 14:33:40



### TX B mode CH11 (10 Harmonic of the frequency)



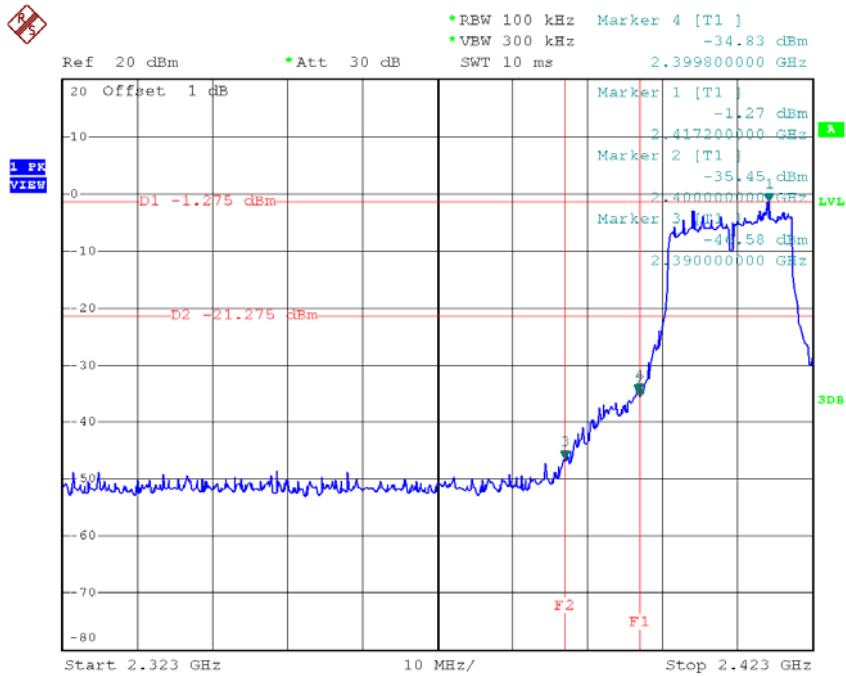
Ref 20 dBm      \*Att 30 dB      \*REW 100 kHz      Marker 2 [T1 ]  
\*VBW 300 kHz      -43.49 dBm  
SWT 2.7 s      26.341180000 GHz



Date: 1.MAR.2016 14:33:32

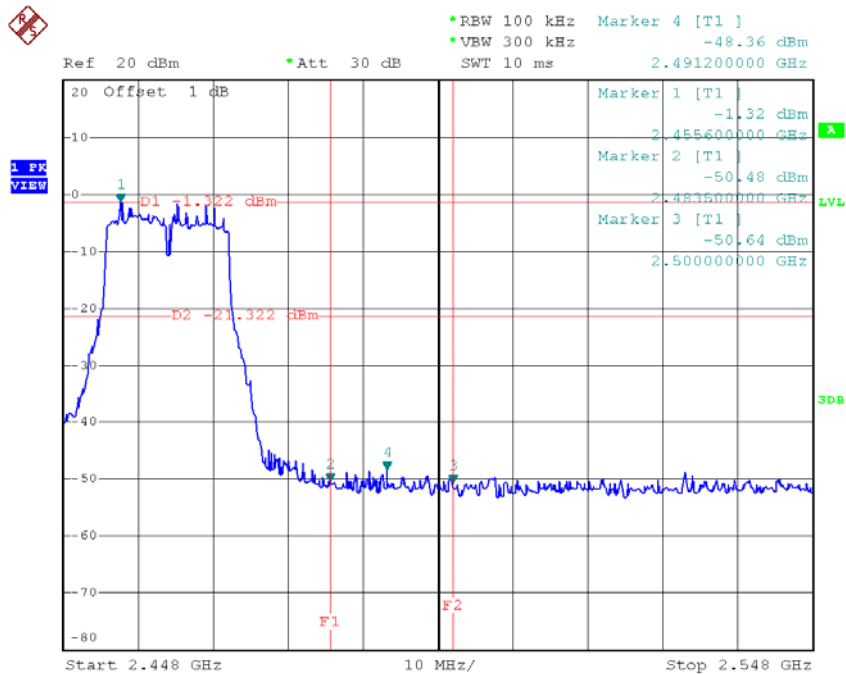
Test Mode : TX G Mode

### TX G mode CH01



Date: 1.MAR.2016 14:35:09

### TX G mode CH11



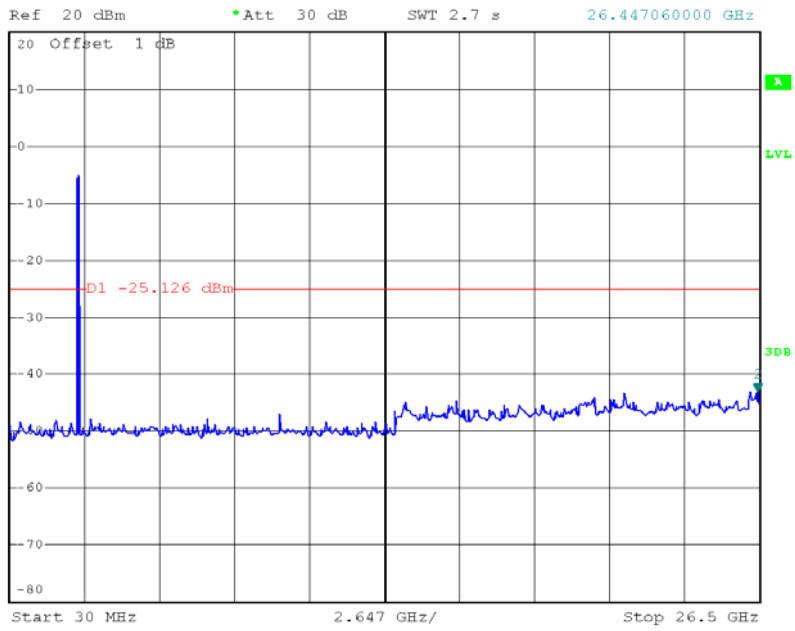
Date: 1.MAR.2016 14:37:51



### TX G mode CH11 (10 Harmonic of the frequency)



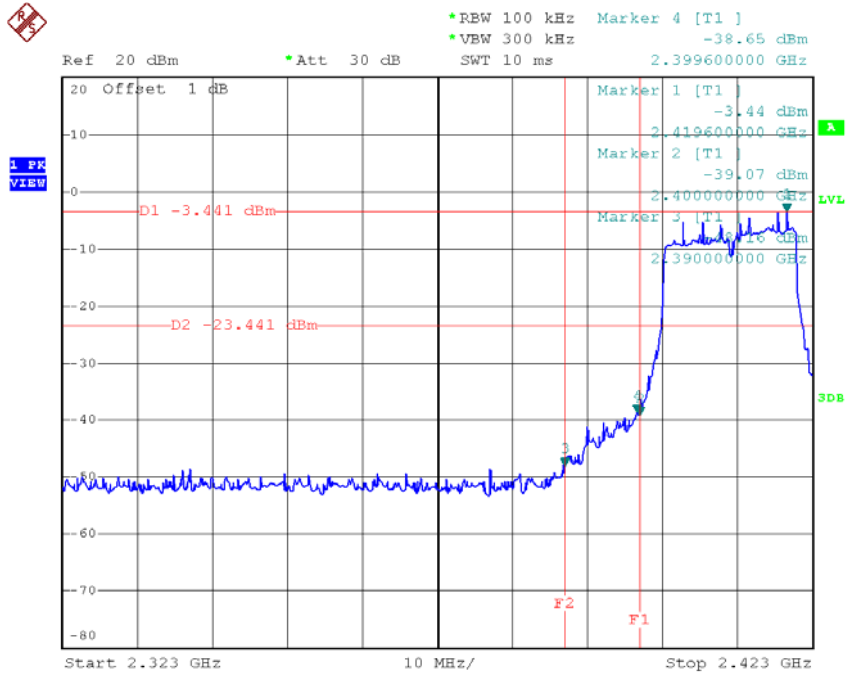
\*REW 100 kHz Marker 2 [T1 ]  
\*VBW 300 kHz -43.03 dBm  
SWT 2.7 s 26.447060000 GHz



Date: 1.MAR.2016 14:37:43

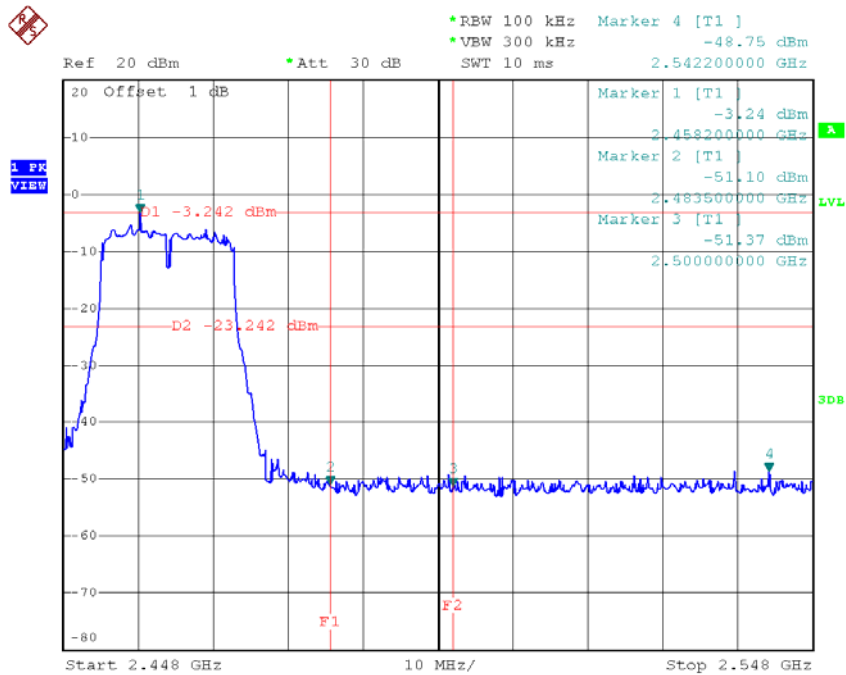
Test Mode : TX N-20M Mode

### TX HT20 mode CH01



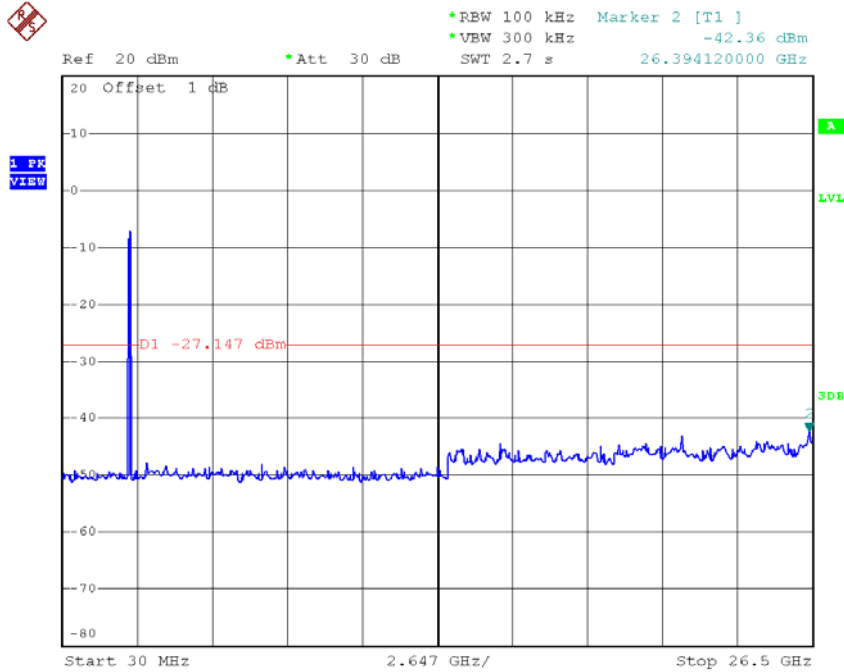
Date: 1.MAR.2016 14:38:58

### TX HT20 mode CH11



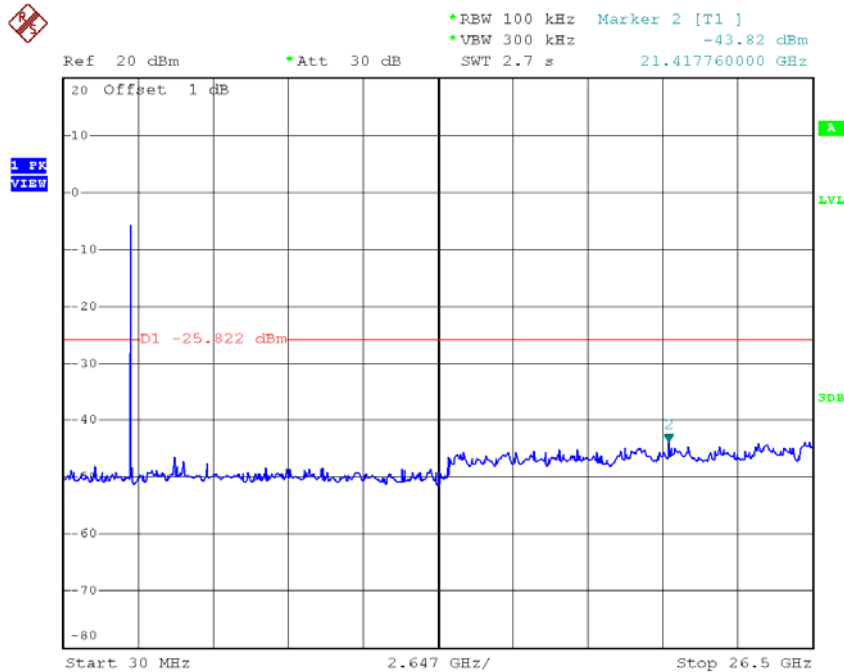
Date: 1.MAR.2016 14:41:01

### TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 1.MAR.2016 14:38:50

### TX HT20 mode CH06 (10 Harmonic of the frequency)



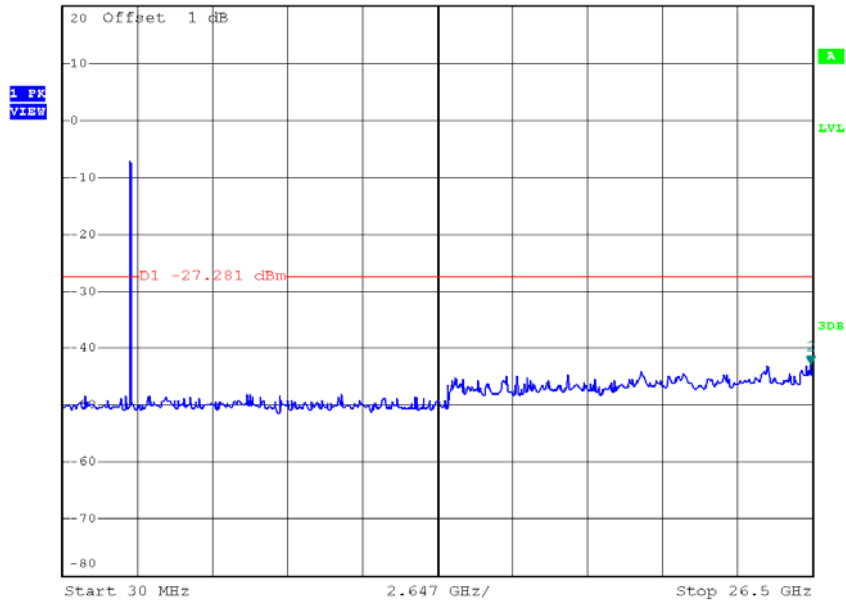
Date: 1.MAR.2016 14:39:57



### TX HT20 mode CH11 (10 Harmonic of the frequency)



Ref 20 dBm      \*Att 30 dB      \*REW 100 kHz      Marker 2 [T1 ]  
\*VBW 300 kHz      -42.94 dBm  
SWT 2.7 s      26.447060000 GHz

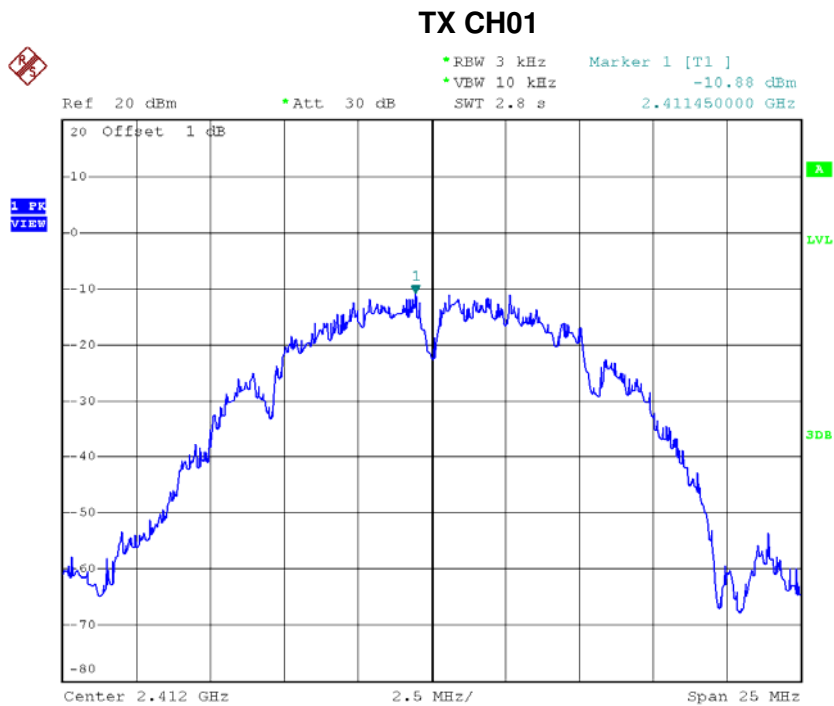


Date: 1.MAR.2016 14:40:52

## ATTACHMENT H - POWER SPECTRAL DENSITY

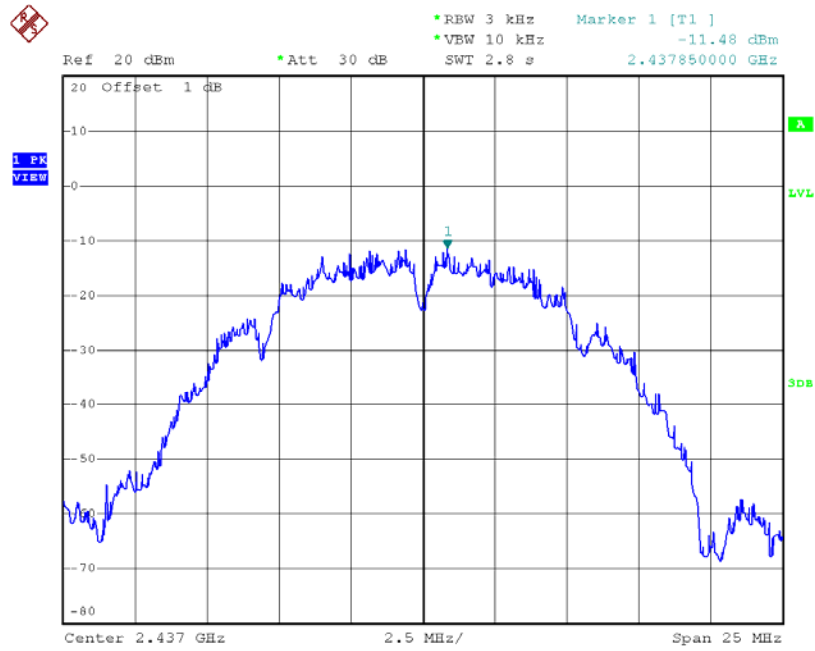
**Test Mode :TX B Mode\_CH01/06/11**

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-10.88	0.08	8.00	Complies
2437	-11.48	0.07	8.00	Complies
2462	-10.28	0.09	8.00	Complies



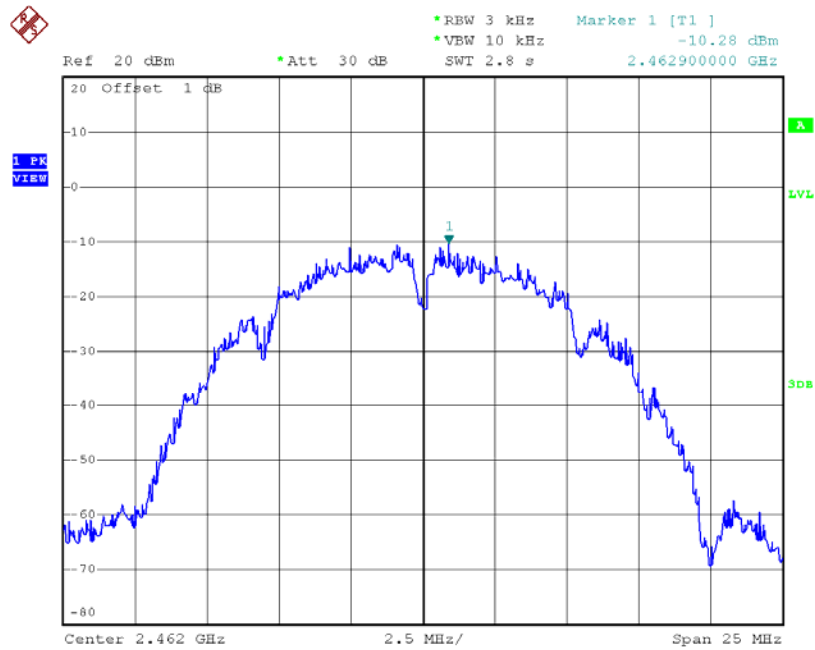
Date: 1.MAR.2016 14:30:42

### TX CH06



Date: 1.MAR.2016 14:32:09

### TX CH11



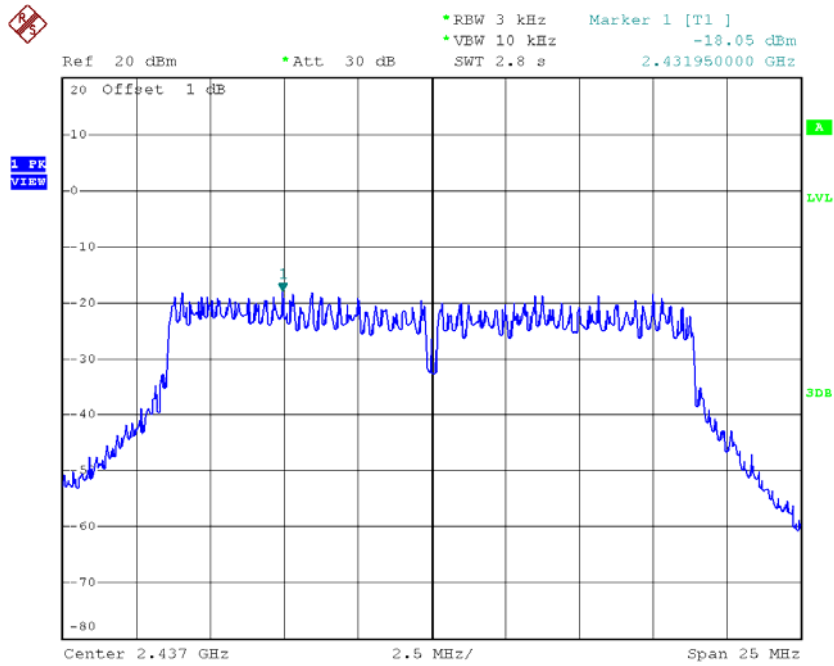
Date: 1.MAR.2016 14:33:50





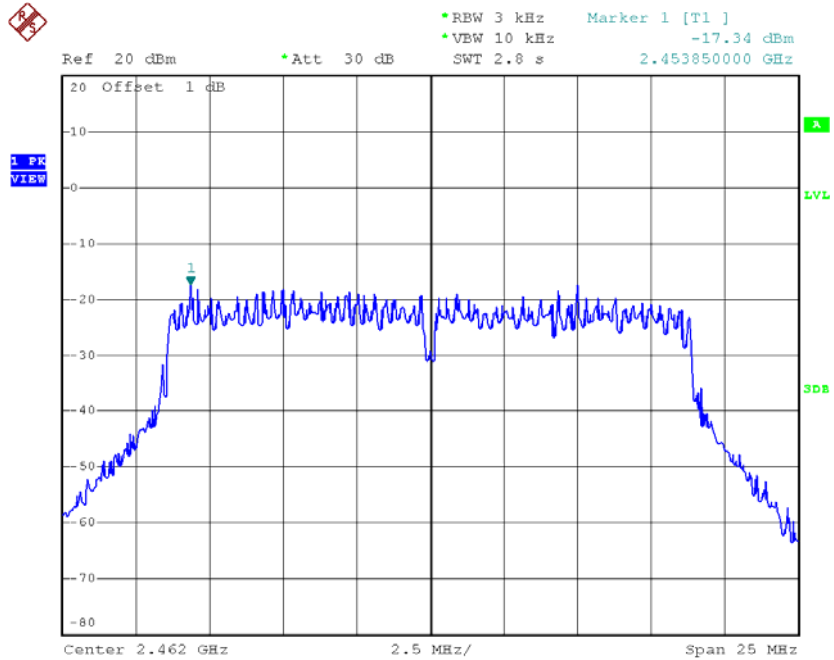


### TX CH06



Date: 1.MAR.2016 14:40:07

### TX CH11



Date: 1.MAR.2016 14:41:11