



### **Declaration**

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

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

**BTL's** report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **BTL-self**, extracts from the test report shall not be reproduced except in full with **BTL's** authorized written approval.

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

### **Limitation**

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

<b>Table of Contents</b>	<b>Page</b>
<b>1 . CERTIFICATION</b>	<b>6</b>
<b>2 . SUMMARY OF TEST RESULTS</b>	<b>7</b>
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
<b>3 . GENERAL INFORMATION</b>	<b>9</b>
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	11
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	12
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	13
3.5 DESCRIPTION OF SUPPORT UNITS	13
<b>4 . EMC EMISSION TEST</b>	<b>14</b>
4.1 CONDUCTED EMISSION MEASUREMENT	14
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	14
4.1.2 TEST PROCEDURE	14
4.1.3 DEVIATION FROM TEST STANDARD	14
4.1.4 TEST SETUP	15
4.1.5 EUT OPERATING CONDITIONS	15
4.1.6 EUT TEST CONDITIONS	15
4.1.7 TEST RESULTS	15
4.2 RADIATED EMISSION MEASUREMENT	16
4.2.1 RADIATED EMISSION LIMITS	16
4.2.2 TEST PROCEDURE	17
4.2.3 DEVIATION FROM TEST STANDARD	17
4.2.4 TEST SETUP	18
4.2.5 EUT OPERATING CONDITIONS	19
4.2.6 EUT TEST CONDITIONS	19
4.2.7 TEST RESULTS (9KHZ TO 30MHZ)	19
4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)	19
4.2.9 TEST RESULTS (ABOVE 1000 MHZ)	19
<b>5 . BANDWIDTH TEST</b>	<b>20</b>
5.1 APPLIED PROCEDURES	20
5.1.1 TEST PROCEDURE	20
5.1.2 DEVIATION FROM STANDARD	20
5.1.3 TEST SETUP	20
5.1.4 EUT OPERATION CONDITIONS	20
5.1.5 EUT TEST CONDITIONS	20
5.1.6 TEST RESULTS	20
<b>6 . MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST</b>	<b>21</b>

<b>Table of Contents</b>	<b>Page</b>
<b>6.1 APPLIED PROCEDURES / LIMIT</b>	<b>21</b>
6.1.1 TEST PROCEDURE	21
6.1.2 DEVIATION FROM STANDARD	21
6.1.3 TEST SETUP	21
6.1.4 EUT OPERATION CONDITIONS	21
6.1.5 EUT TEST CONDITIONS	21
6.1.6 TEST RESULTS	21
<b>7 . ANTENNA CONDUCTED SPURIOUS EMISSION</b>	<b>22</b>
7.1 APPLIED PROCEDURES / LIMIT	22
7.1.1 TEST PROCEDURE	22
7.1.2 DEVIATION FROM STANDARD	22
7.1.3 TEST SETUP	22
7.1.4 EUT OPERATION CONDITIONS	22
7.1.5 EUT TEST CONDITIONS	22
7.1.6 TEST RESULTS	22
<b>8 . POWER SPECTRAL DENSITY TEST</b>	<b>23</b>
8.1 APPLIED PROCEDURES / LIMIT	23
8.1.1 TEST PROCEDURE	23
8.1.2 DEVIATION FROM STANDARD	23
8.1.3 TEST SETUP	23
8.1.4 EUT OPERATION CONDITIONS	23
8.1.5 EUT TEST CONDITIONS	23
8.1.6 TEST RESULTS	23
<b>9 . MEASUREMENT INSTRUMENTS LIST</b>	<b>24</b>
<b>10 . EUT TEST PHOTO</b>	<b>26</b>
<b>ATTACHMENT A - CONDUCTED EMISSION</b>	<b>30</b>
<b>ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)</b>	<b>33</b>
<b>ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)</b>	<b>38</b>
<b>ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)</b>	<b>45</b>
<b>ATTACHMENT E - BANDWIDTH</b>	<b>94</b>
<b>ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER</b>	<b>103</b>
<b>ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION</b>	<b>107</b>
<b>ATTACHMENT H - POWER SPECTRAL DENSITY</b>	<b>144</b>

## REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1404C267G	Original Issue.	Sep. 29, 2016

## 1. CERTIFICATION

Equipment : N300 WiFi Router  
Brand Name : TRENDnet  
Test Model : TEW-731BR/A  
Series Model : N/A  
Applicant : TRENDnet, Inc.  
Manufacturer : TRENDnet, Inc.  
Address : 20675 Manhattan Place, Torrance, CA 90501  
Factory : 1. Taicang T&W Electronics Co.,Ltd.  
2. Shenzhen Gongjin Electronics Co.,Ltd.  
Address : 1. Jiangnan Road 89, Loudong Street , Taicang ,Jiangsu, 215412,P.R.China  
2. No 2&3 Buildings, Mingwei Factory Area, Songgang Road West,No. A  
Building, 1#Songgang Road Songgang  
Sub-District,Shenzhen,Guangdong,518105,P.R.China  
Date of Test : Sep. 13, 2016 ~ Sep. 28, 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-1-1404C267G) 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):

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	
15.209/15.205	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	N300 WiFi Router	
Brand Name	TRENDnet	
Test Model	TEW-731BR/A	
Series Model	N/A	
Model Difference	N/A	
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 300 Mbps
	Output Power (Max.)	802.11b: 16.95dBm 802.11g: 19.75dBm 802.11n(20MHz): 21.93dBm 802.11n(40MHz): 21.68dBm
Power Source	DC voltage supplied from AC/DC adapter. Manufacturer: Shenzhen Gongjin Electronics Co., Ltd. Model: S06A12-050A100-C4	
Power Rating	I/P:100-240V~ 50/60Hz max 0.3A O/P:5V <b>==</b> 1A	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. Channel List:

CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz) CH03 – CH09 for 802.11n(40MHz)							
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		

### 3. Table for Filed Antenna

Group 1

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Shen zhen Hong wei yuan	HWY-24EL5B-106	Dipole	N/A	5
2	Shen zhen Hong wei yuan	HWY-24EL5B-106	Dipole	N/A	5

Group 2

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Dong guan Xin sheng	SSR-1607018	Dipole	N/A	5
2	Dong guan Xin sheng	SSR-1607018	Dipole	N/A	5

Group 3

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Jiang su Wu tong	K802-240036-A	Dipole	N/A	5
2	Jiang su Wu tong	K802-240036-A	Dipole	N/A	5

Group 4

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	N/A
2	N/A	N/A	PCB	N/A	N/A

Note:

(1) The Group 1, 2, 3 are Dipole antennas, Group 1 is recorded as the worst case in this report, Group 4 is PCB antenna that is not used.

(2) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R).

(3) ANT 1 was the worst case for 1TX.

4.

Operating Mode	1TX	2TX
TX Mode		
802.11b	V (ANT 1)	-
802.11g	V (ANT 1)	-
802.11n(20MHz)	-	V (ANT 1 + ANT 2)
802.11n(40MHz)	-	V (ANT 1 + ANT 2)

### 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	TX N-40MHZ MODE CHANNEL 03/06/09
Mode 5	TX Mode

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	TX Mode

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
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09

Note:

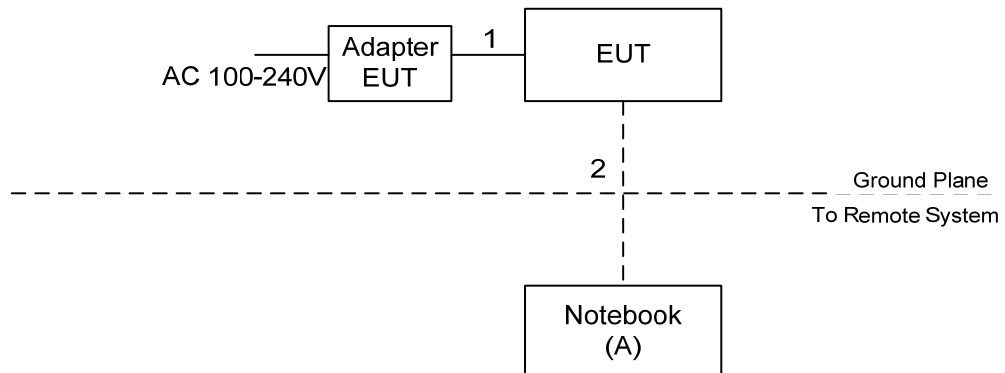
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)  
 802.11g mode: OFDM (6Mbps)  
 802.11n HT20 mode : BPSK (13Mbps)  
 802.11n HT40 mode : BPSK (27Mbps)  
 For radiated emission tests, the highest output powers were set for final test.
- (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	N/A		
Frequency (MHz)	2412	2437	2462
802.11b	52	52	52
802.11g	42	42	42
802.11n (20MHz)	38	38	38
Frequency	2422	2437	2452
802.11n (40MHz)	40	40	40

### 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.
A	Notebook	DELL	745	DOC	G7K832X

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.5m	DC Cable
2	NO	NO	10m	RJ-45 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 -0.50	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

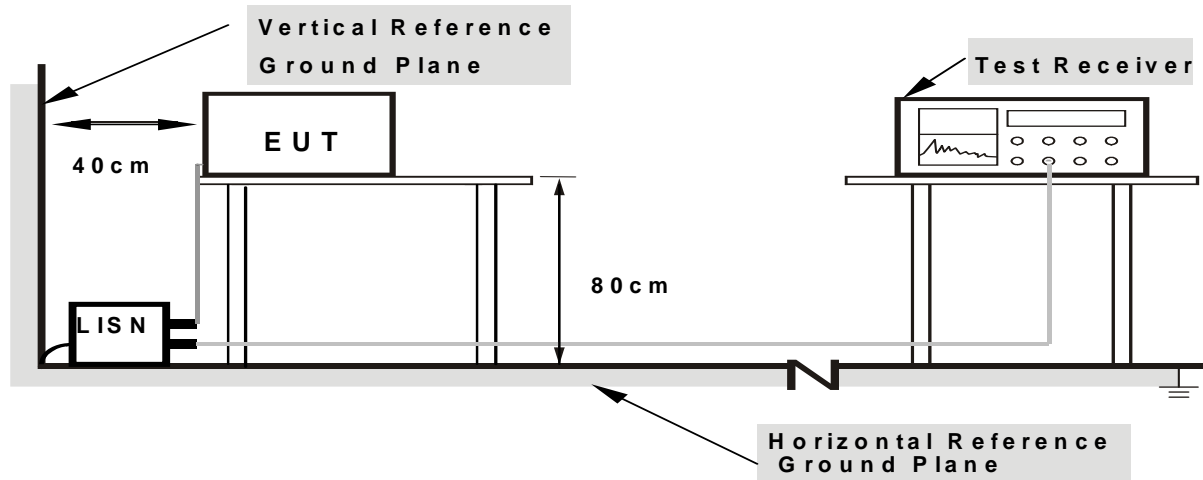
#### 4.1.2 TEST PROCEDURE

- 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: 25°C    Relative Humidity: 55%    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

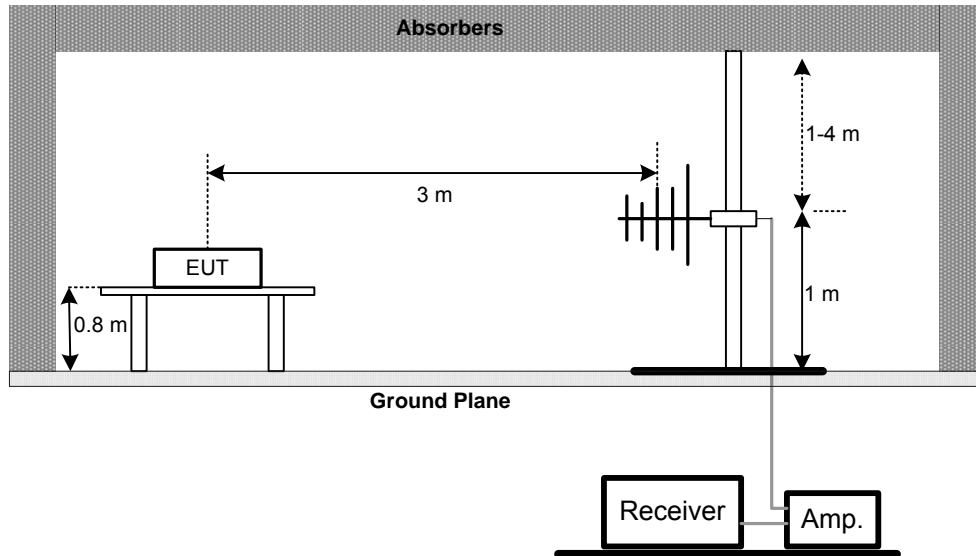
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 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)
- 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.
- 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).
- 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.
- 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.
- 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)
- 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)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 4.2.3 DEVIATION FROM TEST STANDARD

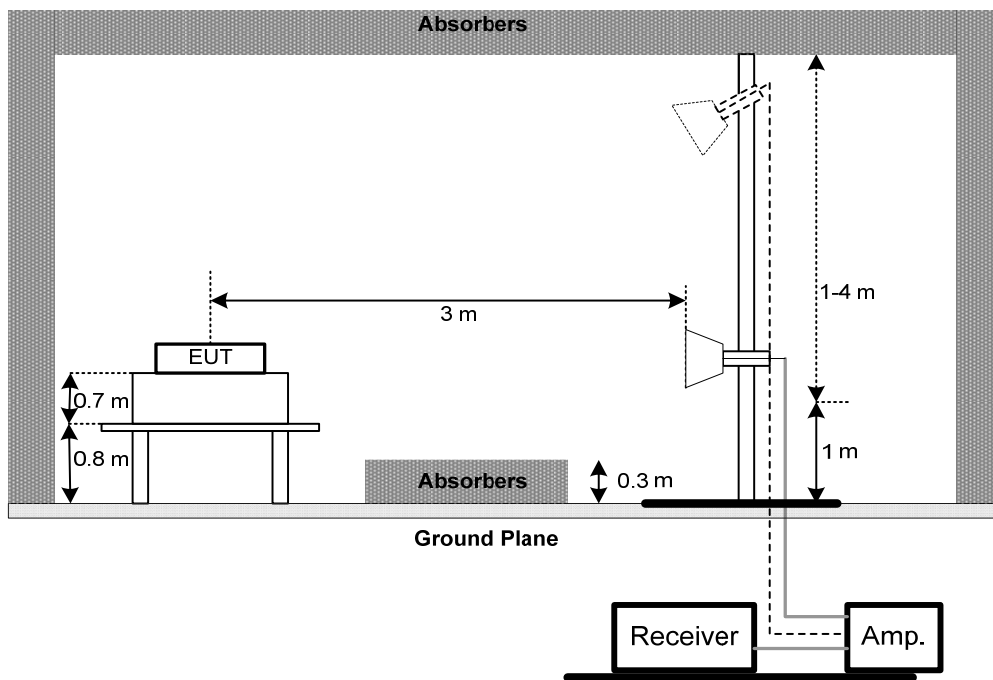
No deviation

#### 4.2.4 TEST SETUP

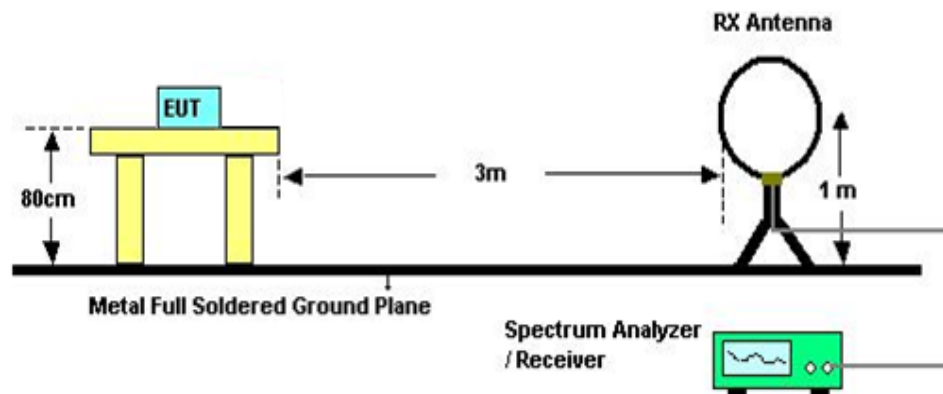
##### (A) Radiated Emission Test Set-Up Frequency Below 1 GHz



##### (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: 25°C    Relative Humidity: 55%    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

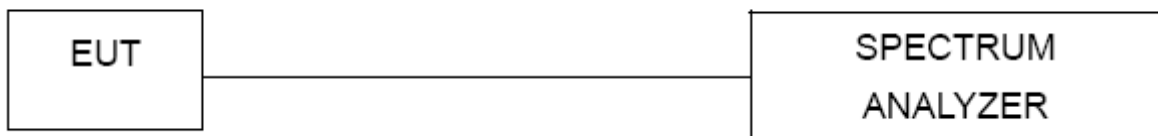
#### 5.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- 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: 25°C    Relative Humidity: 55%    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

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance and FCC KDB 662911 D01 Multiple Transmitter Output.

#### 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: 25°C    Relative Humidity: 55%    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.

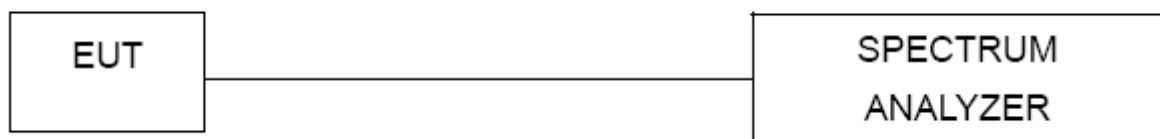
#### 7.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = Auto.
- 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: 25°C    Relative Humidity: 55%    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

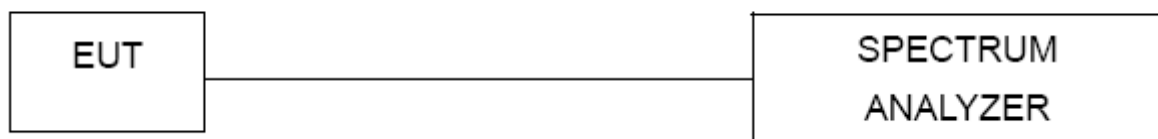
#### 8.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- 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: 25°C    Relative Humidity: 55%    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-30MHz)	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	Nov. 09, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
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	Nov. 01, 2016
9	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
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	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	Oct. 26, 2016
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Oct. 26, 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

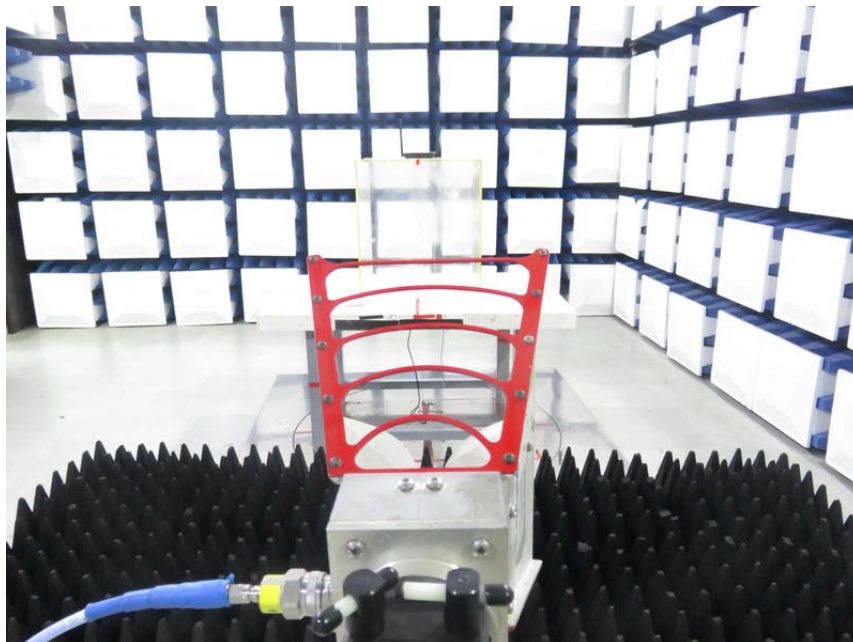
30MHz to 1000MHz





## Radiated Measurement Photos

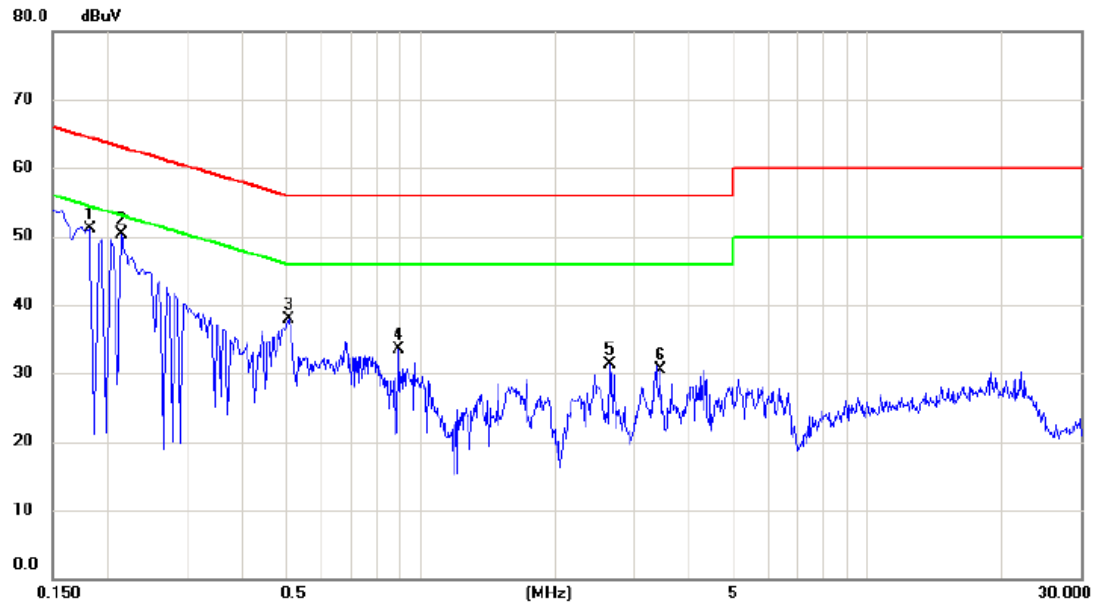
Above 1000MHz



## ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX Mode

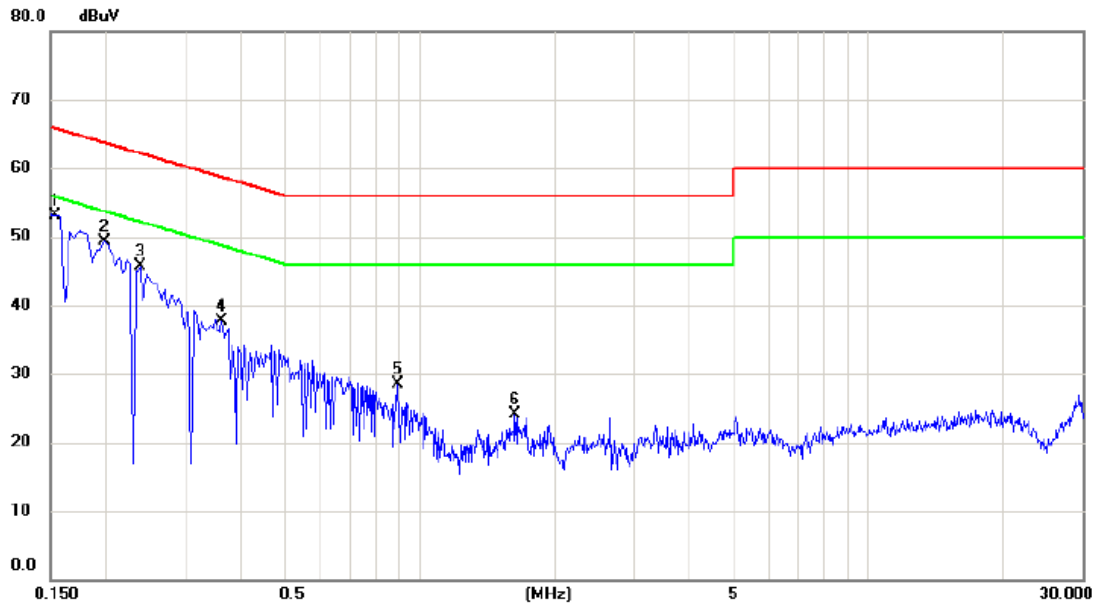
### Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1820	41.64	9.53	51.17	64.39	-13.22	peak	
2	*	0.2140	40.87	9.53	50.40	63.05	-12.65	peak	
3		0.5060	28.21	9.64	37.85	56.00	-18.15	peak	
4		0.8940	23.83	9.75	33.58	56.00	-22.42	peak	
5		2.6580	21.16	10.09	31.25	56.00	-24.75	peak	
6		3.4300	20.31	10.13	30.44	56.00	-25.56	peak	

Test Mode : TX Mode

### Neutral



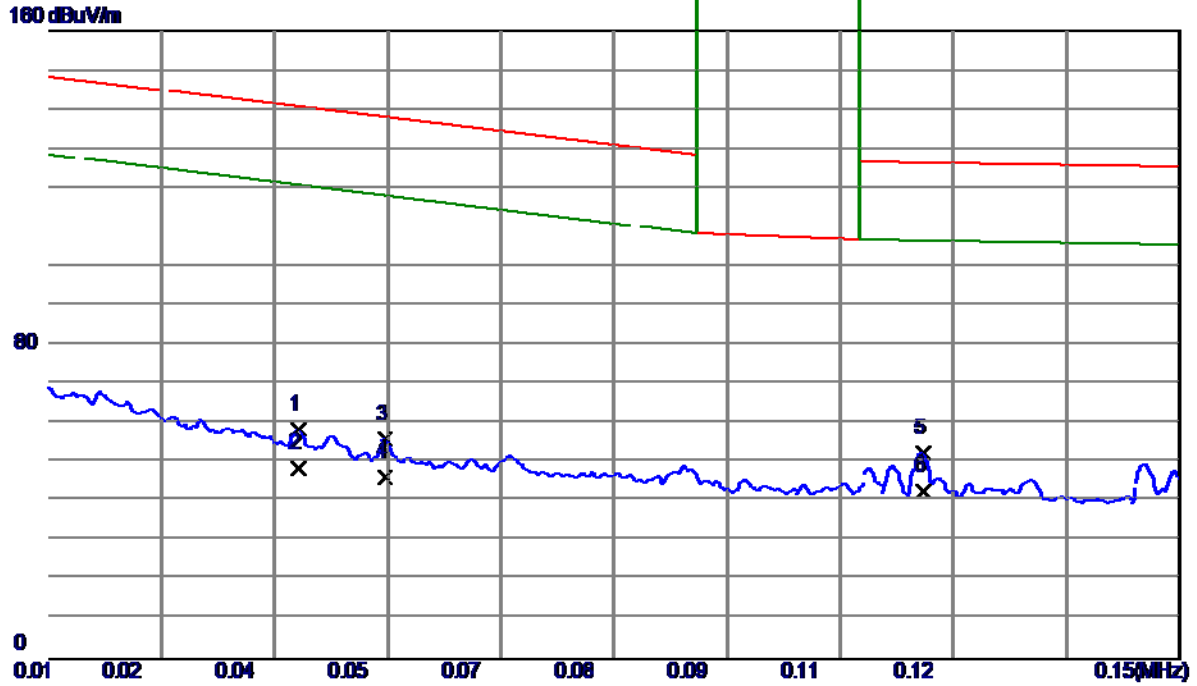
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1540	43.70	9.50	53.20	65.78	-12.58	peak	
2		0.1980	39.81	9.52	49.33	63.69	-14.36	peak	
3		0.2380	36.13	9.53	45.66	62.17	-16.51	peak	
4		0.3620	28.13	9.52	37.65	58.68	-21.03	peak	
5		0.8900	18.77	9.64	28.41	56.00	-27.59	peak	
6		1.6300	14.41	9.68	24.09	56.00	-31.91	peak	



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

Test Mode: TX B MODE CHANNEL 01

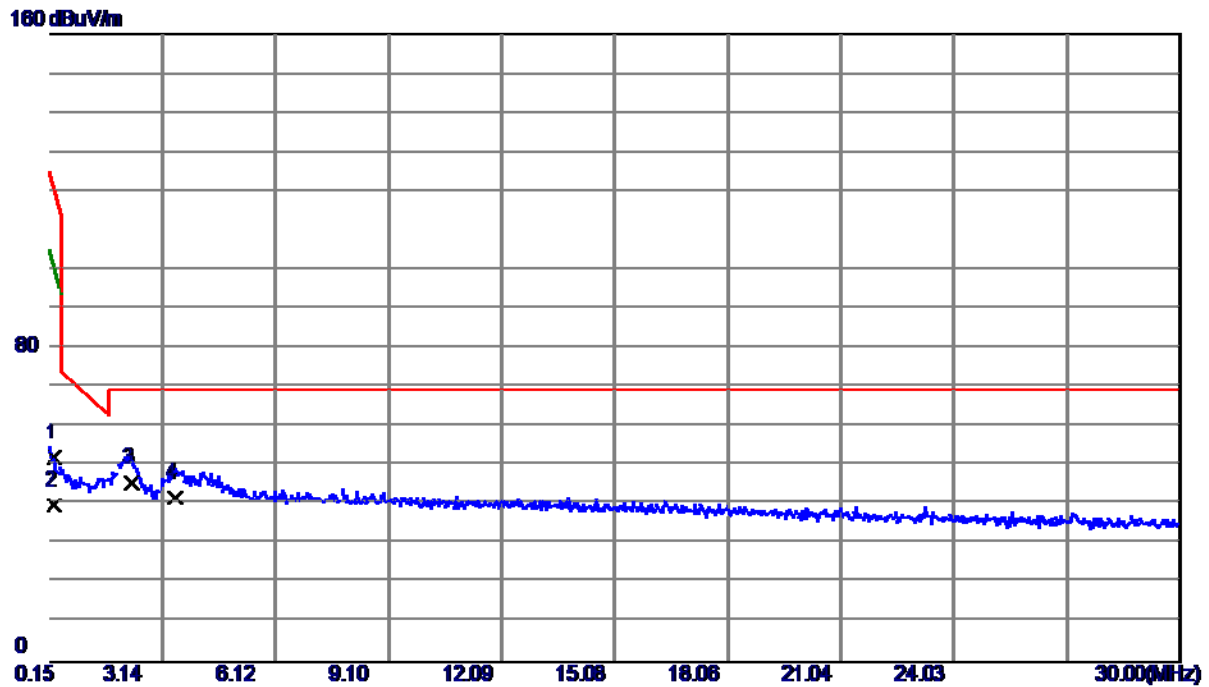
Ant 0°



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0401	37.42	21.04	58.46	140.82	-82.36	Peak	
2	0.0401	27.69	21.04	48.73	120.82	-72.09	AVG	
3	0.0510	36.29	19.81	56.10	138.12	-82.02	Peak	
4	0.0510	26.47	19.81	46.28	118.12	-71.84	AVG	
5	0.1180	34.06	18.54	52.60	126.51	-73.91	Peak	
6 *	0.1180	24.19	18.54	42.73	106.51	-63.78	AVG	

Test Mode: TX B MODE CHANNEL 01

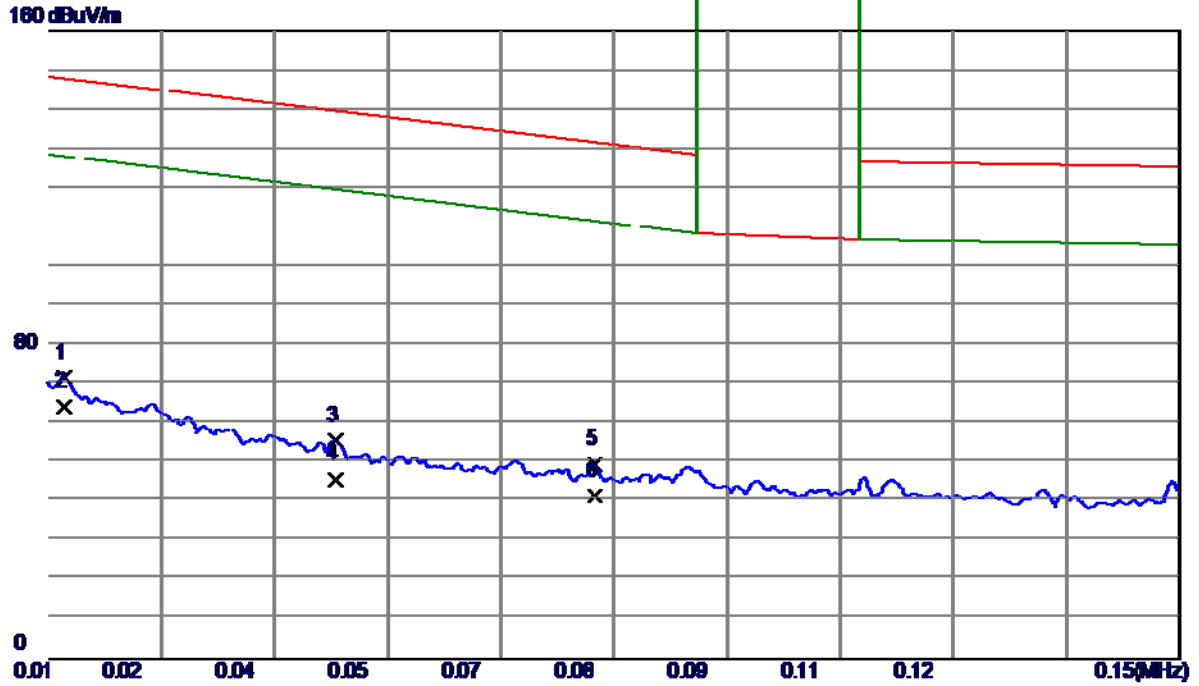
Ant 0°



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2693	33.43	18.63	52.06	121.34	-69.28	Peak	
2	0.2693	21.50	18.63	40.13	101.34	-61.21	AVG	
3 *	2.3440	28.39	17.47	45.86	69.54	-23.68	QP	
4	3.4633	24.30	17.61	41.91	69.54	-27.63	QP	

Test Mode: TX B MODE CHANNEL 01

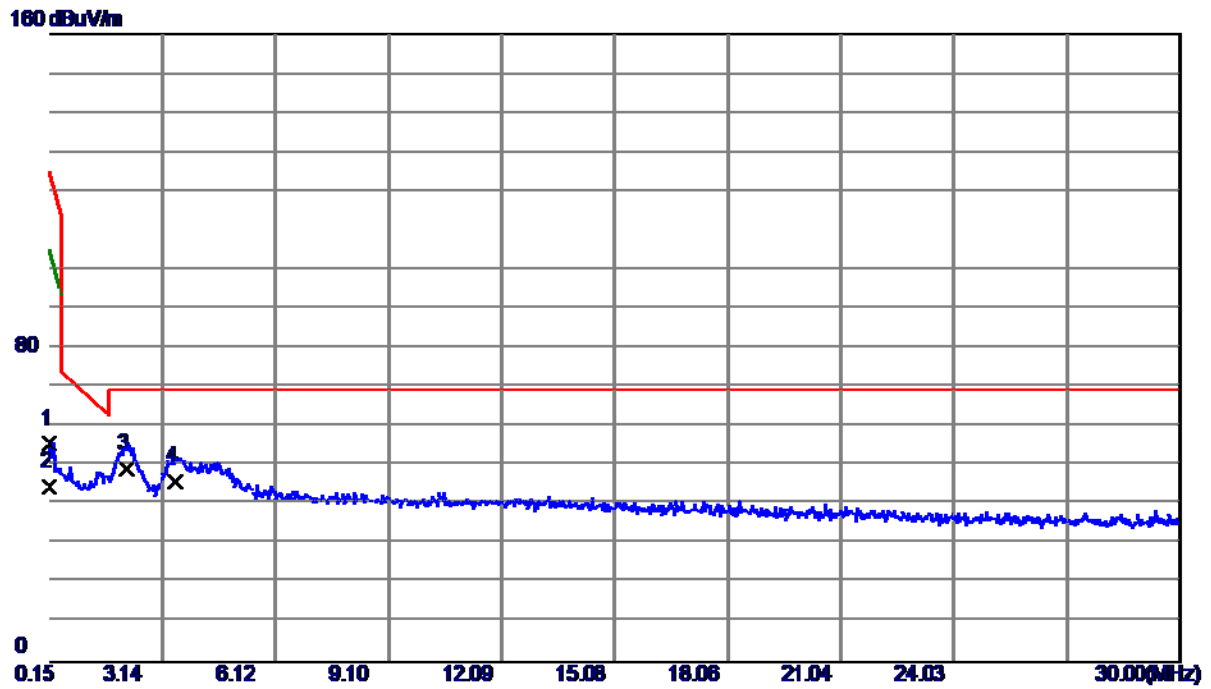
Ant 90°



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0110	47.52	24.06	71.58	148.00	-76.42	Peak	
2 *	0.0110	40.31	24.06	64.37	128.00	-63.63	AVG	
3	0.0448	35.14	20.47	55.61	139.66	-84.05	Peak	
4	0.0448	25.33	20.47	45.80	119.66	-73.86	AVG	
5	0.0771	30.33	19.43	49.76	131.68	-81.92	Peak	
6	0.0771	22.20	19.43	41.63	111.68	-70.05	AVG	

Test Mode: TX B MODE CHANNEL 01

Ant 90°

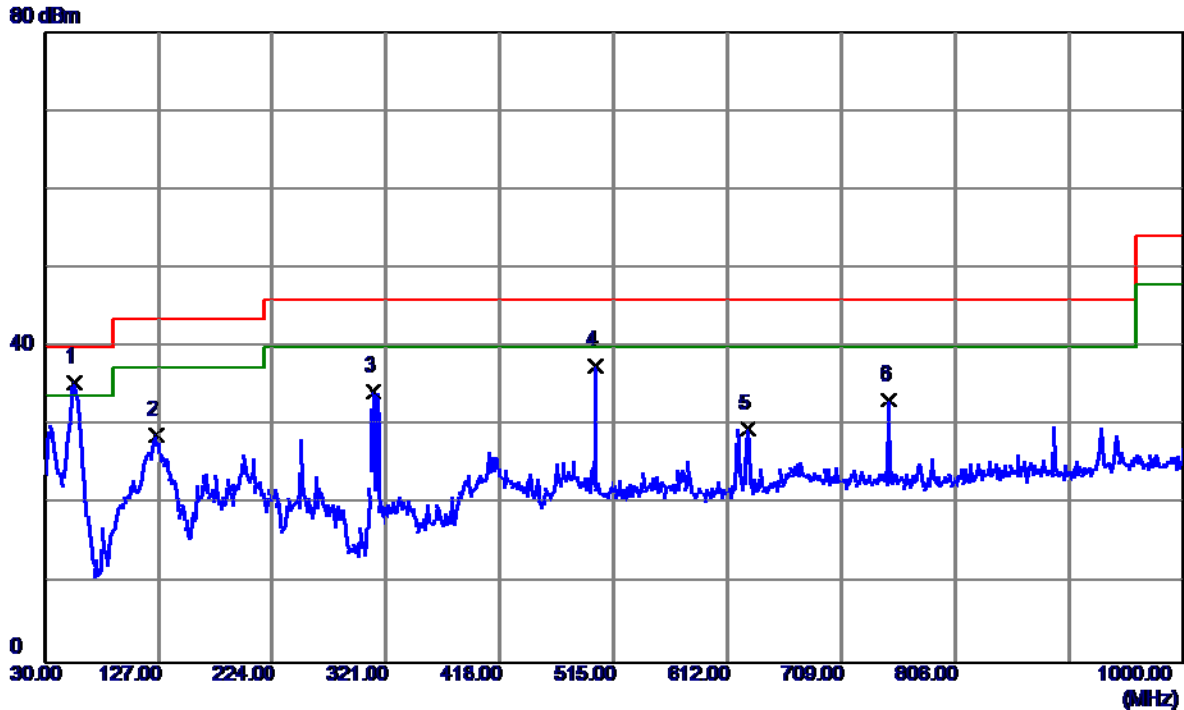


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.1500	37.02	18.74	55.76	125.41	-69.65	Peak	
2	0.1500	26.10	18.74	44.84	105.41	-60.57	AVG	
3 *	2.2096	31.60	17.64	49.24	69.54	-20.30	QP	
4	3.4783	28.45	17.65	46.10	69.54	-23.44	QP	

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

Test Mode: TX B MODE CHANNEL 01

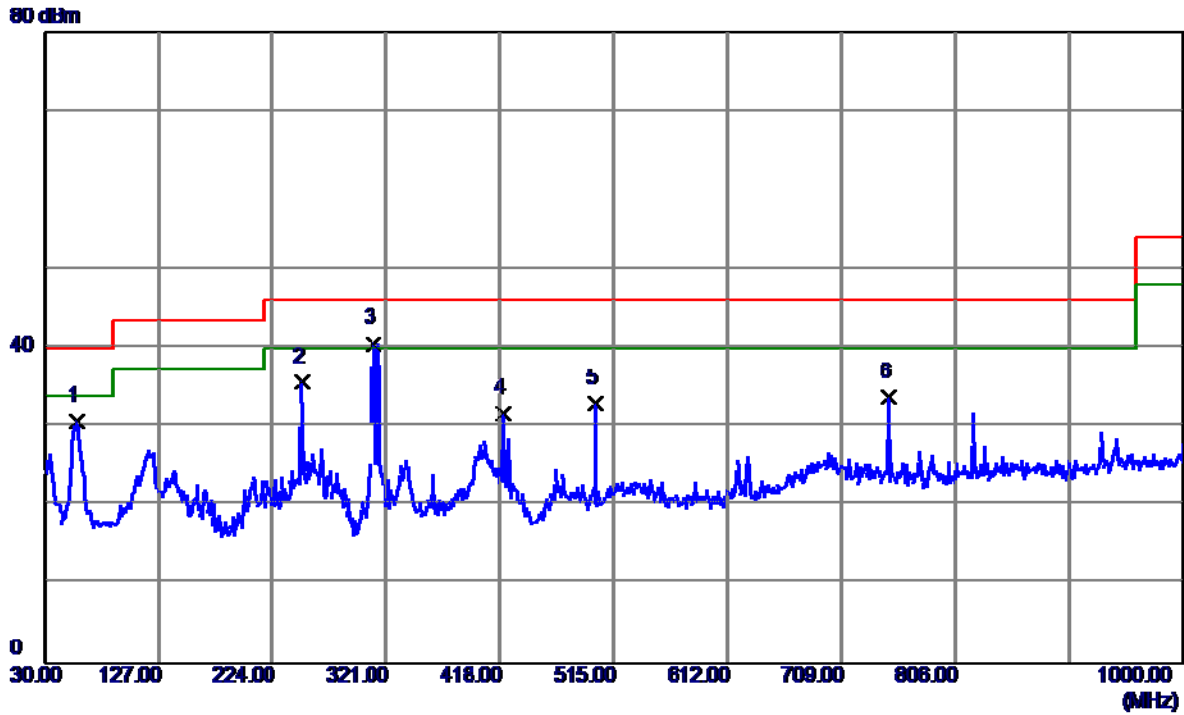
Vertical



No.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure ment dBm	Limit dBm	Margin dB	Detector	Comment
1 *	55.7050	48.78	-13.30	35.48	40.00	-4.52	Peak	
2	124.5750	41.76	-12.95	28.81	43.50	-14.69	Peak	
3	310.3299	44.73	-10.38	34.35	46.00	-11.65	Peak	
4	499.9650	47.26	-9.72	37.54	46.00	-8.46	Peak	
5	629.4600	34.97	-5.36	29.61	46.00	-16.39	Peak	
6	750.2250	35.31	-1.96	33.35	46.00	-12.65	Peak	

Test Mode: TX B MODE CHANNEL 01

Horizontal

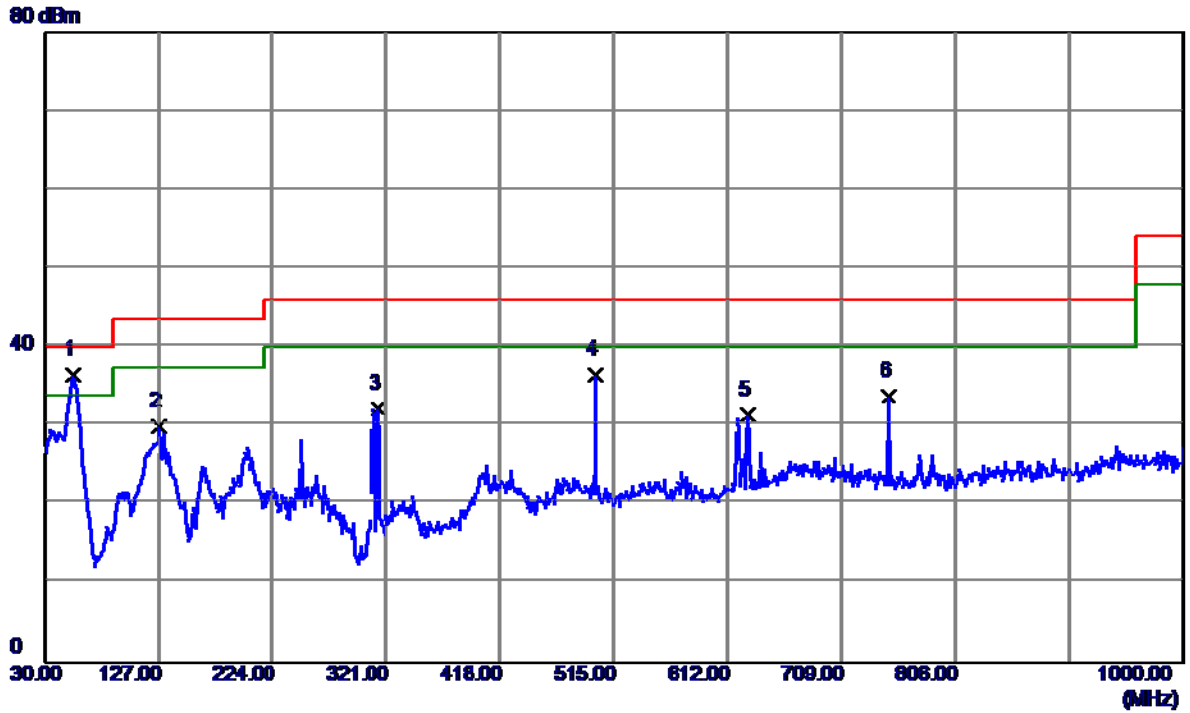


No.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure ment dBm	Limit dBm	Margin dB	Detector	Comment
1	58.1300	44.52	-13.83	30.69	40.00	-9.31	Peak	
2	249.7050	49.82	14.18	35.64	46.00	10.36	Peak	
3 *	310.3299	50.94	-10.38	40.56	46.00	-5.44	Peak	
4	421.3950	39.62	-7.87	31.75	46.00	-14.25	Peak	
5	499.9650	42.65	-9.72	32.93	46.00	-13.07	Peak	
6	750.2250	35.73	-1.96	33.77	46.00	-12.23	Peak	



Test Mode: TX B MODE CHANNEL 06

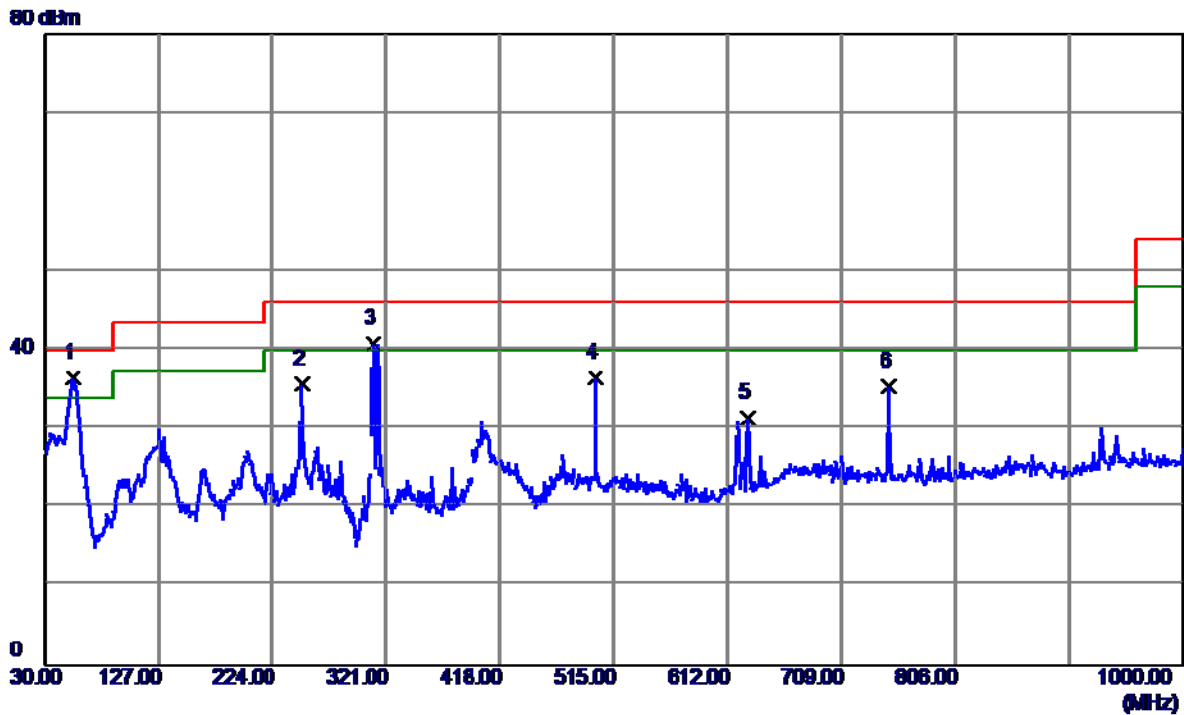
Vertical



No.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure ment dBm	Limit dBm	Margin dB	Detector	Comment
1 *	55.2200	49.82	-13.38	36.44	40.00	-3.56	Peak	
2	127.4850	42.61	-12.63	29.98	43.50	-13.52	Peak	
3	314.6950	42.67	-10.47	32.20	46.00	-13.80	Peak	
4	499.9650	46.23	-9.72	36.51	46.00	-9.49	Peak	
5	629.4600	36.66	-5.36	31.30	46.00	-14.70	Peak	
6	750.2250	35.70	-1.96	33.74	46.00	-12.26	Peak	

Test Mode: TX B MODE CHANNEL 06

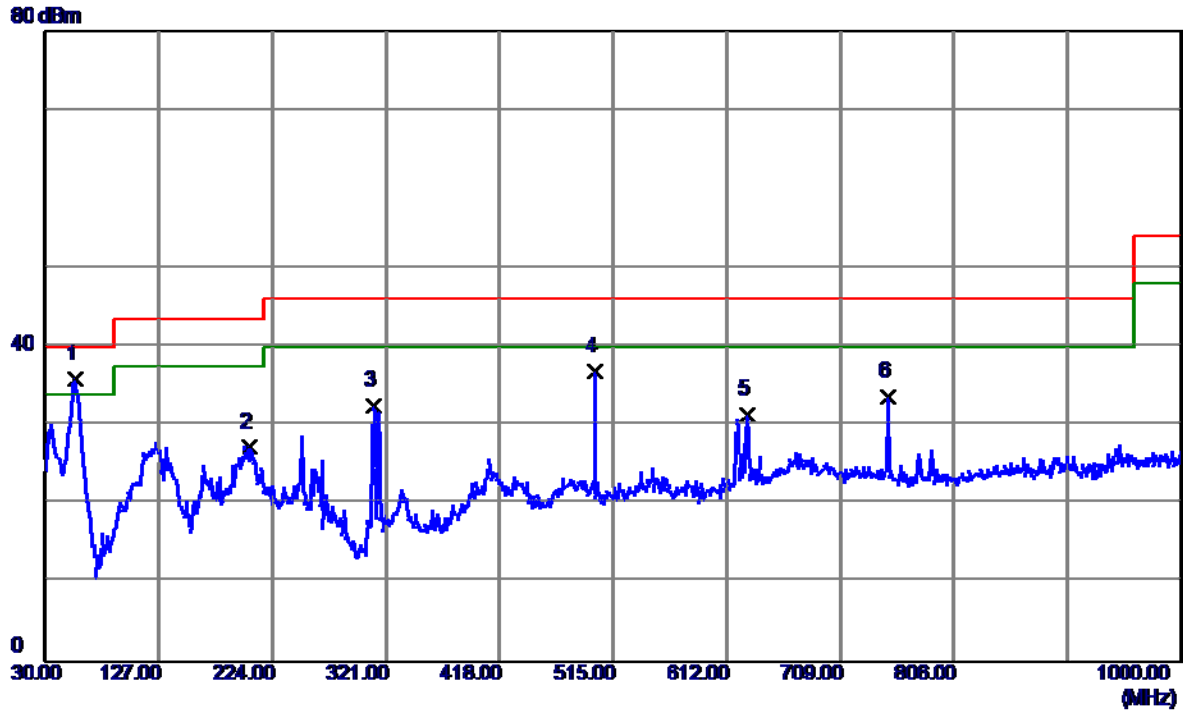
Horizontal



No.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure ment dBm	Limit dBm	Margin dB	Detector	Comment
1 *	55.2200	49.82	-13.38	36.44	40.00	-3.56	Peak	
2	249.7050	49.88	14.18	35.70	46.00	10.30	Peak	
3	310.3299	51.12	-10.38	40.74	46.00	-5.26	Peak	
4	499.9650	46.23	-9.72	36.51	46.00	-9.49	Peak	
5	629.4600	36.66	-5.36	31.30	46.00	-14.70	Peak	
6	750.2250	37.35	-1.96	35.39	46.00	-10.61	Peak	

Test Mode: TX B MODE CHANNEL 11

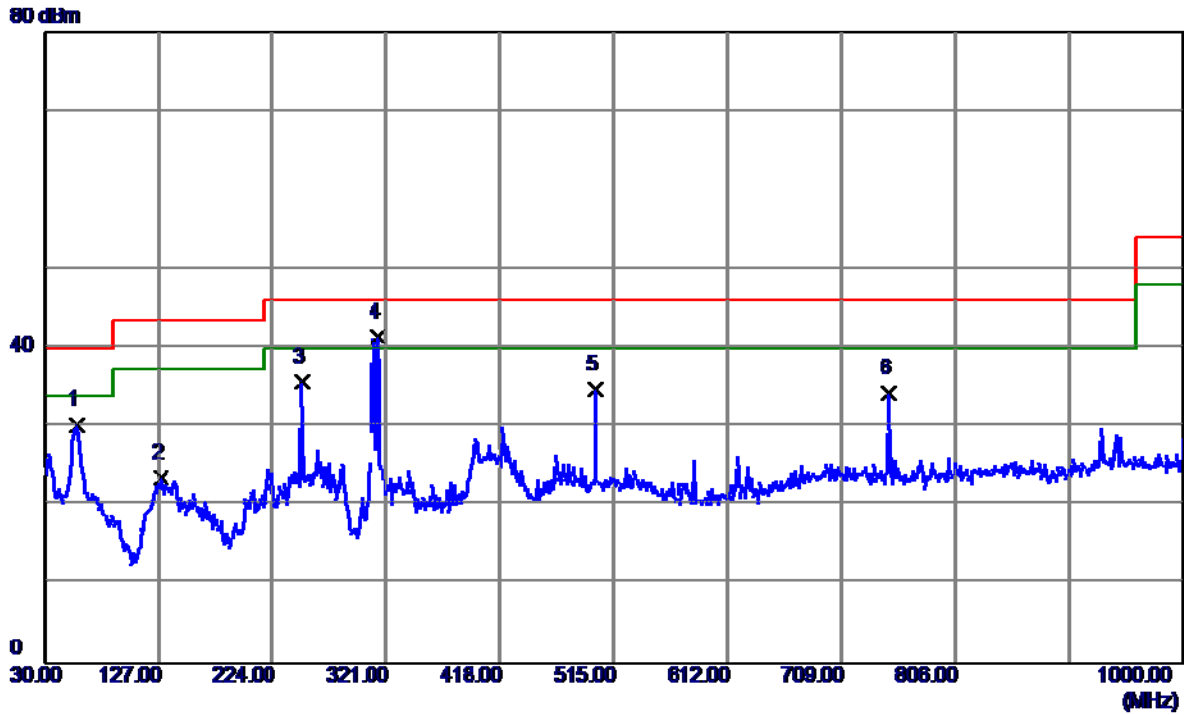
Vertical



No.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure ment dBm	Limit dBm	Margin dB	Detector	Comment
1 *	55.7050	49.16	-13.30	35.86	40.00	-4.14	Peak	
2	204.1150	41.75	-14.52	27.23	43.50	-16.27	Peak	
3	310.3299	42.92	-10.38	32.54	46.00	-13.46	Peak	
4	499.9650	46.46	-9.72	36.74	46.00	-9.26	Peak	
5	629.4600	36.67	-5.36	31.31	46.00	-14.69	Peak	
6	750.2250	35.59	-1.96	33.63	46.00	-12.37	Peak	

Test Mode: TX B MODE CHANNEL 11

Horizontal

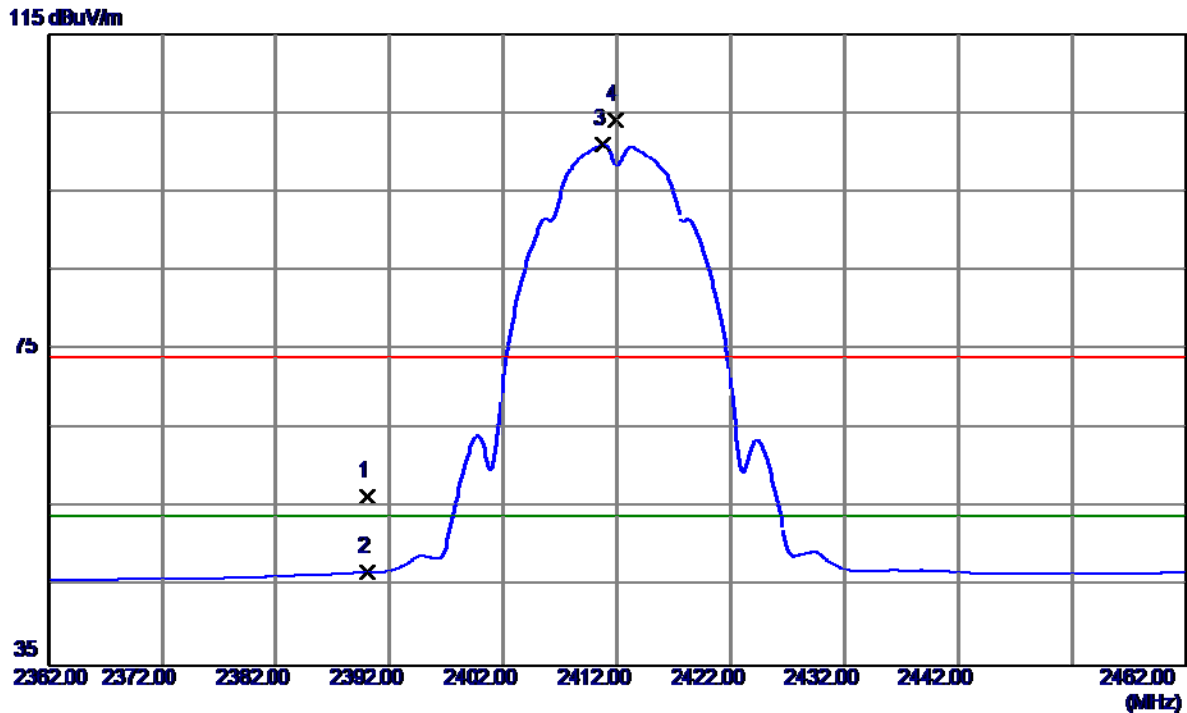


No.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure ment dBm	Limit dBm	Margin dB	Detector	Comment
1	57.6450	44.03	-13.73	30.30	40.00	-9.70	Peak	
2	128.9400	35.92	-12.47	23.45	43.50	-20.05	Peak	
3	249.7050	49.86	-14.18	35.68	46.00	-10.32	Peak	
4 *	314.6950	51.83	-10.47	41.36	46.00	-4.64	Peak	
5	499.9650	44.44	-9.72	34.72	46.00	-11.28	Peak	
6	750.2250	36.22	-1.96	34.26	46.00	-11.74	Peak	

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

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

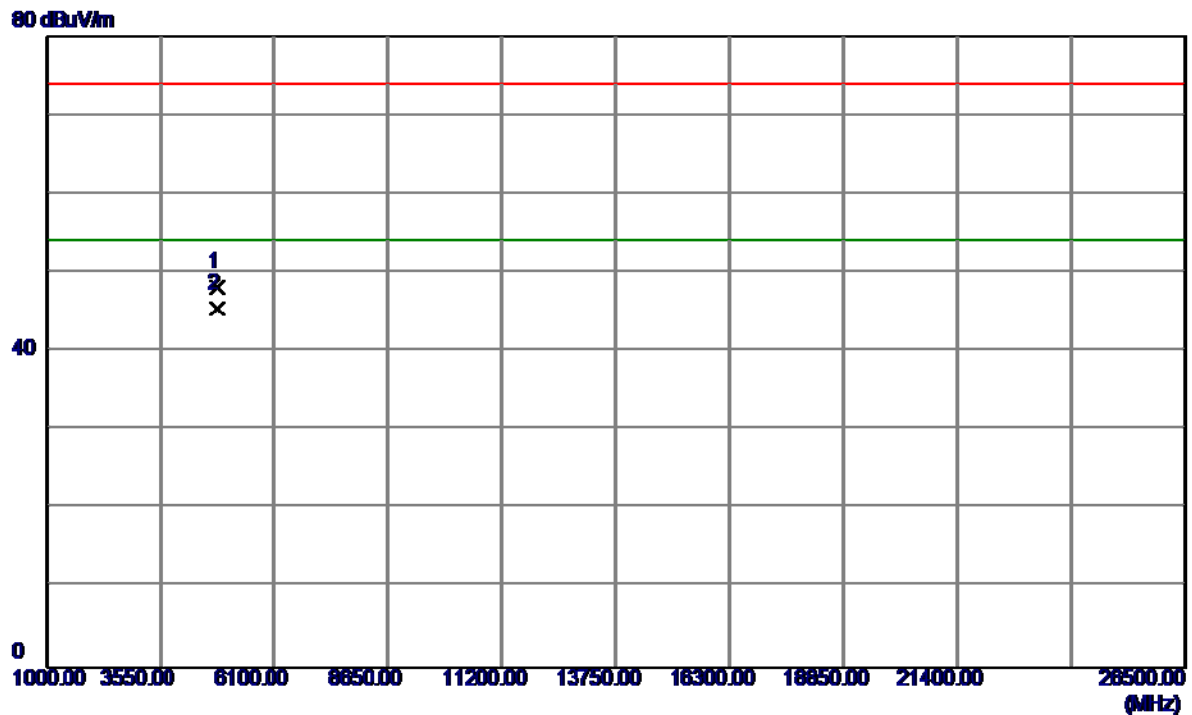
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.60	33.88	56.48	74.00	17.52	Peak	
2	2390.0000	12.89	33.88	46.77	54.00	-7.23	AVG	
3 *	2410.7500	67.05	34.00	101.05	54.00	47.05	AVG	No Limit
4	2411.8500	70.15	34.00	104.15	74.00	30.15	Peak	No Limit

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

### Vertical

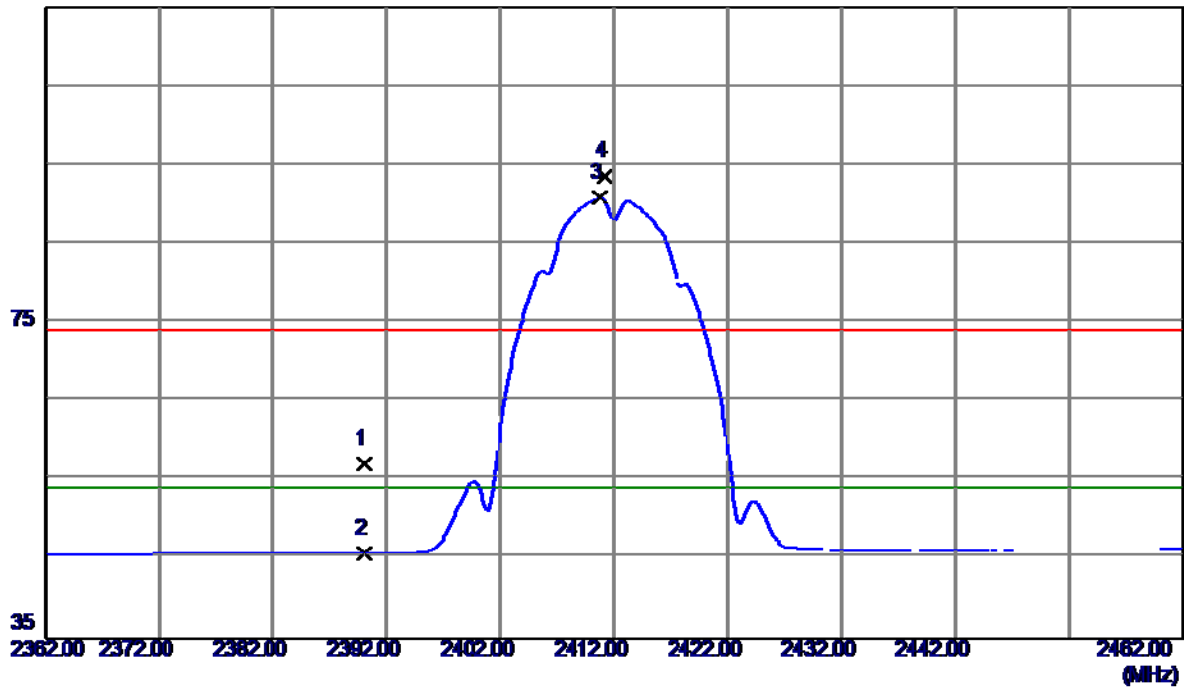


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9380	42.68	5.45	48.13	74.00	-25.87	Peak	
2 *	4824.0230	40.06	5.45	45.51	54.00	-8.49	AVG	

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

### Horizontal

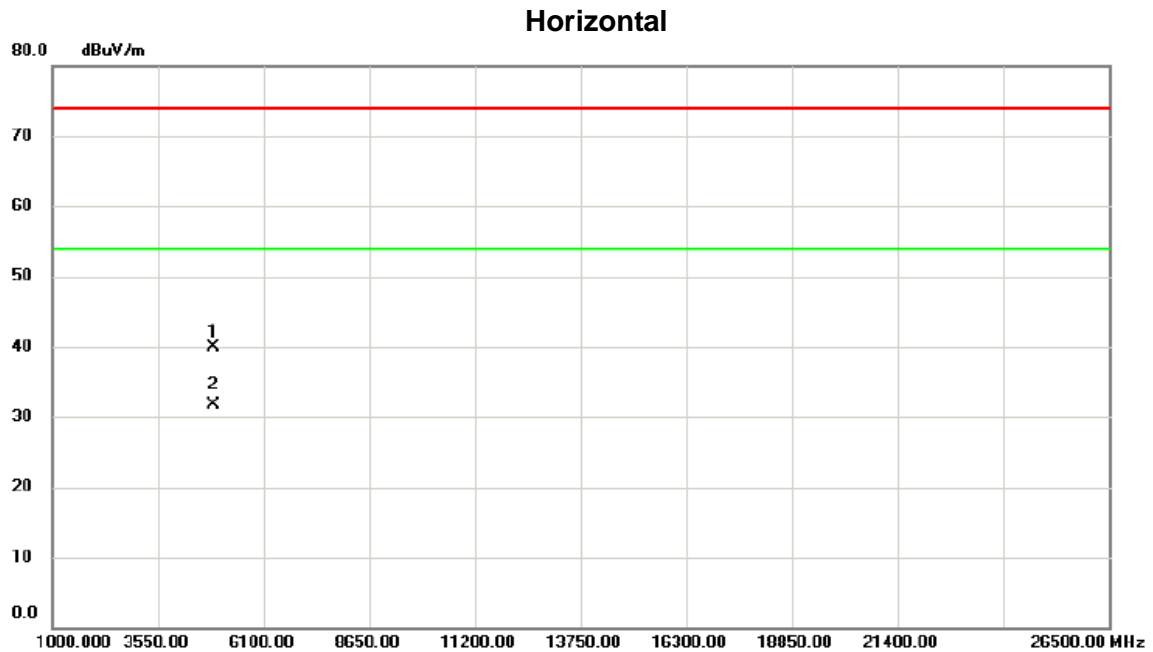
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.17	33.88	57.05	74.00	-16.95	Peak	
2	2390.0000	11.87	33.88	45.75	54.00	-8.25	AVG	
3 *	2410.7500	56.76	34.00	90.76	54.00	36.76	AVG	No Limit
4	2411.2000	59.54	34.00	93.54	74.00	19.54	Peak	No Limit



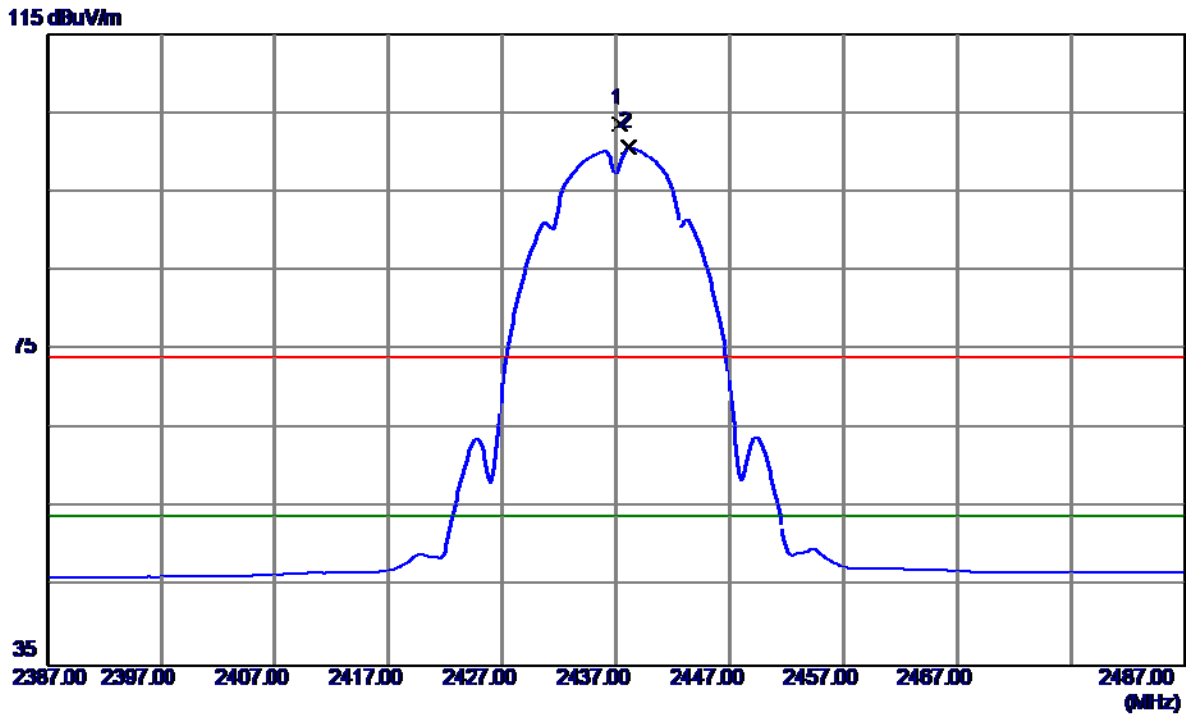
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4903.835	34.15	5.85	40.00	74.00	-34.00	peak	
2	*	4904.020	25.92	5.85	31.77	54.00	-22.23	AVG	

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

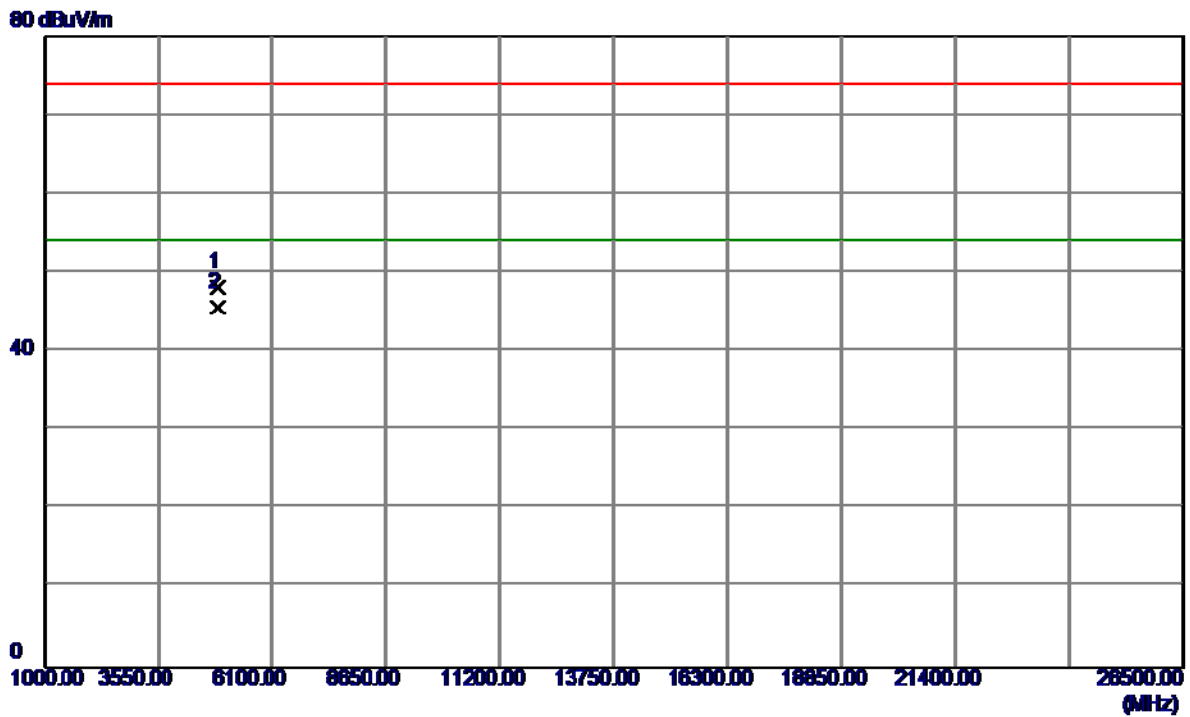
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2437.3500	69.51	34.15	103.66	74.00	29.66	Peak	No Limit
2 *	2438.1000	66.55	34.15	100.70	54.00	46.70	AVG	No Limit

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

**Vertical**

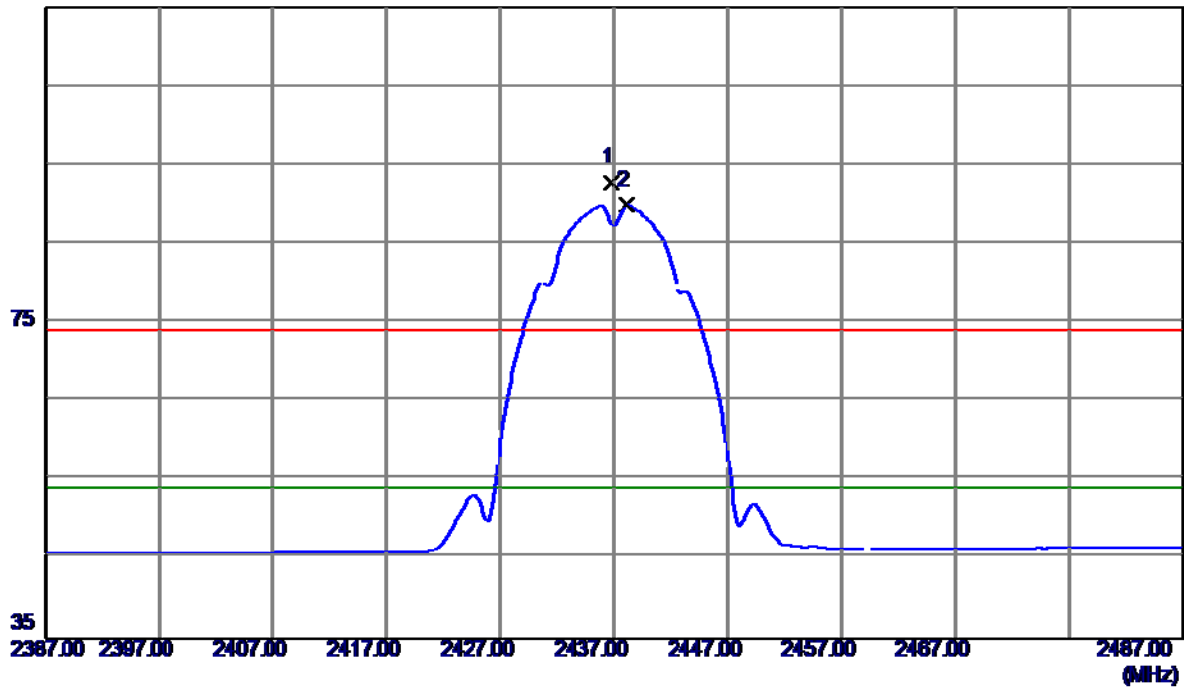


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.9700	42.39	5.70	48.09	74.00	-25.91	Peak	
2 *	4873.9700	39.97	5.70	45.67	54.00	-8.33	AVG	

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

### Horizontal

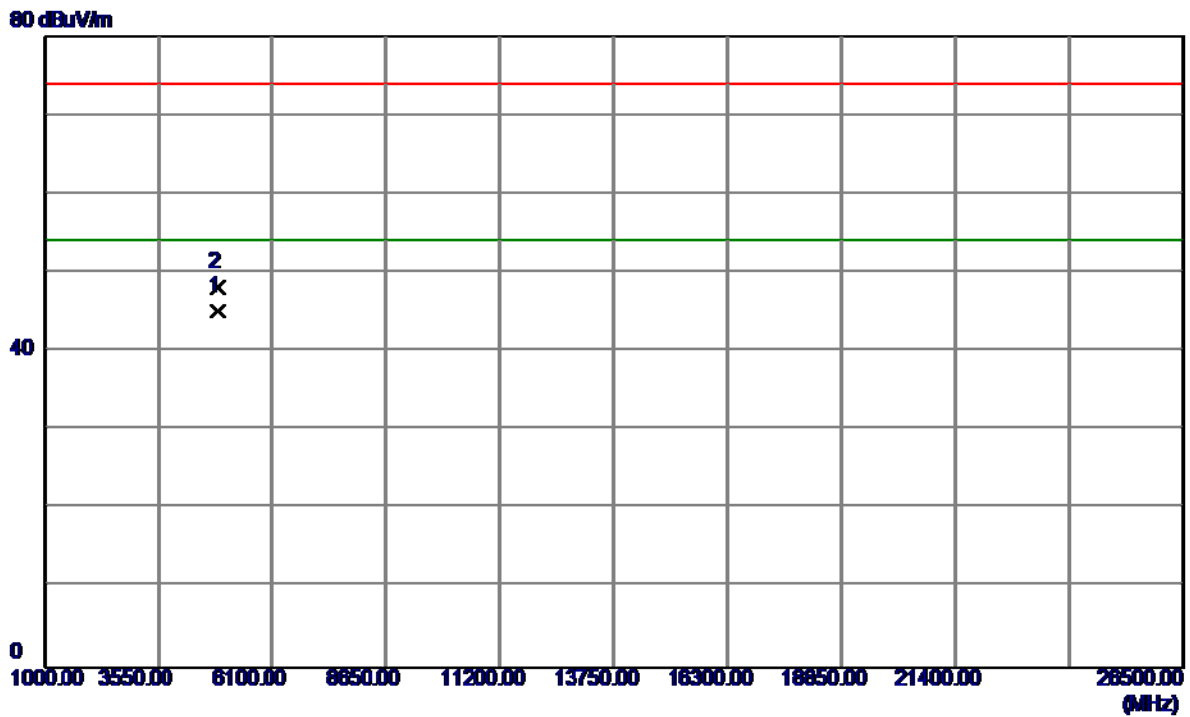
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2436.7500	58.60	34.15	92.75	74.00	18.75	Peak	No Limit
2 *	2438.1500	55.66	34.15	89.81	54.00	35.81	AVG	No Limit

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

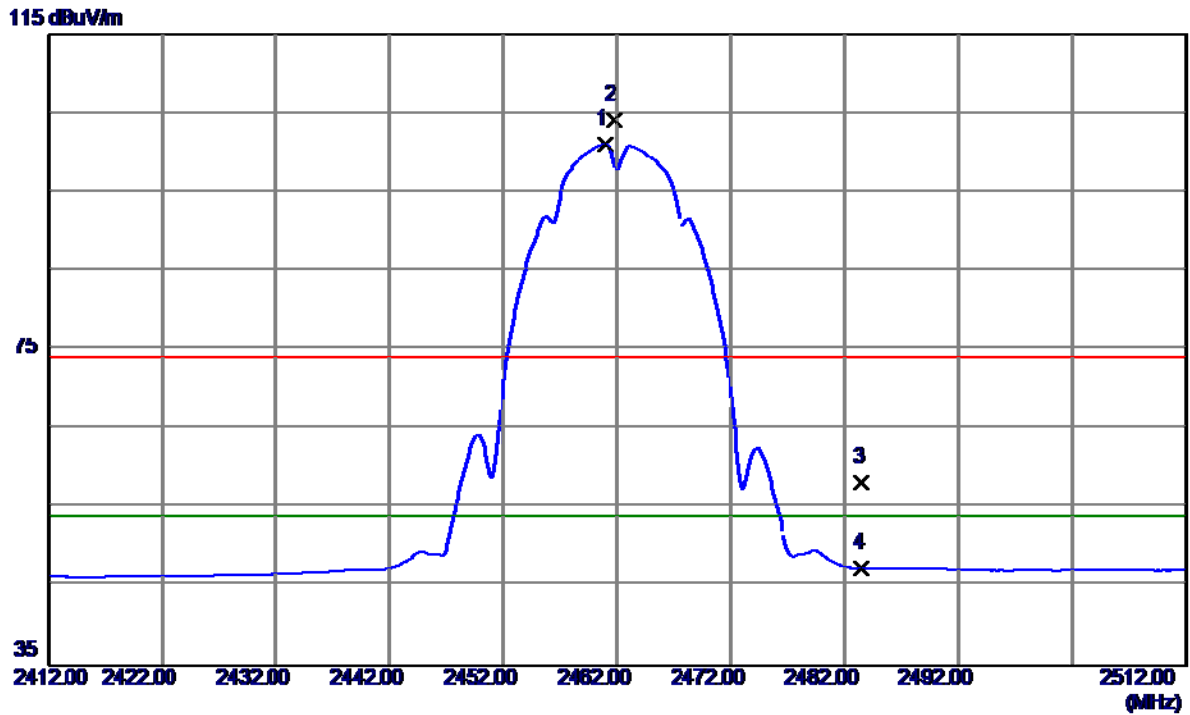
### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.0050	39.38	5.70	45.08	54.00	-8.92	AVG	
2	4874.0830	42.41	5.70	48.11	74.00	-25.89	Peak	

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

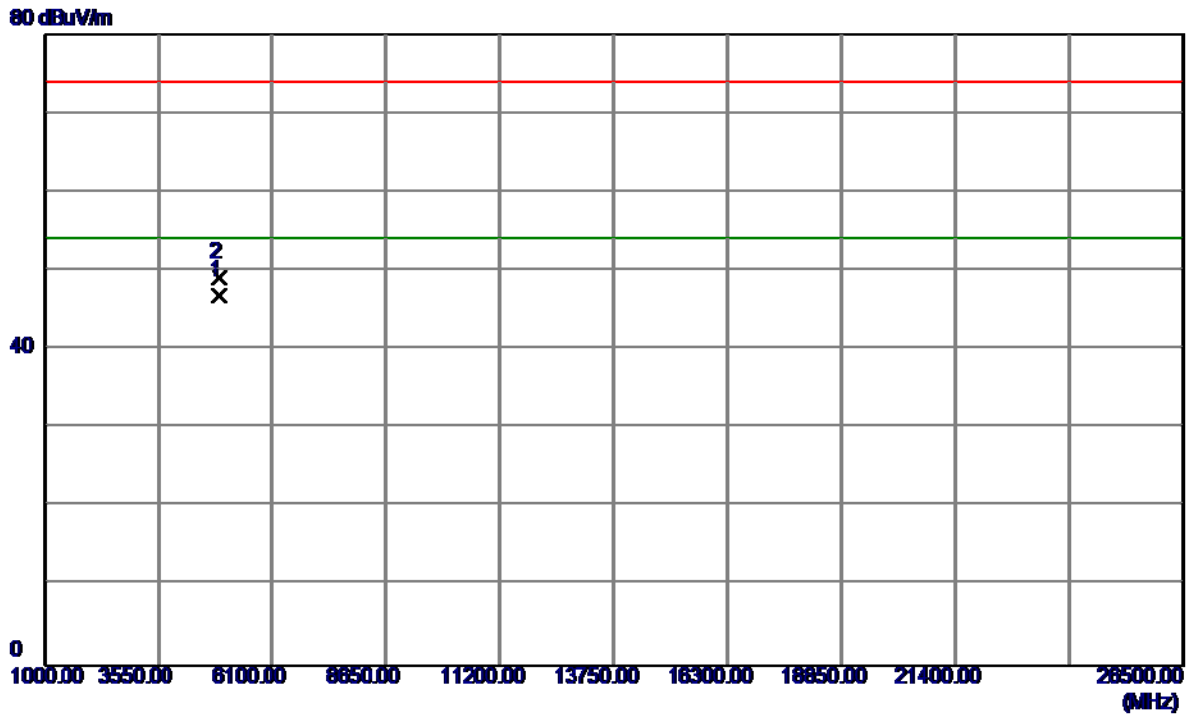
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.0000	66.84	34.29	101.13	54.00	47.13	AVG	No Limit
2	2461.8000	69.81	34.29	104.10	74.00	30.10	Peak	No Limit
3	2483.5000	23.79	34.41	58.20	74.00	-15.80	Peak	
4	2483.5000	12.92	34.41	47.33	54.00	-6.67	AVG	

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

**Vertical**

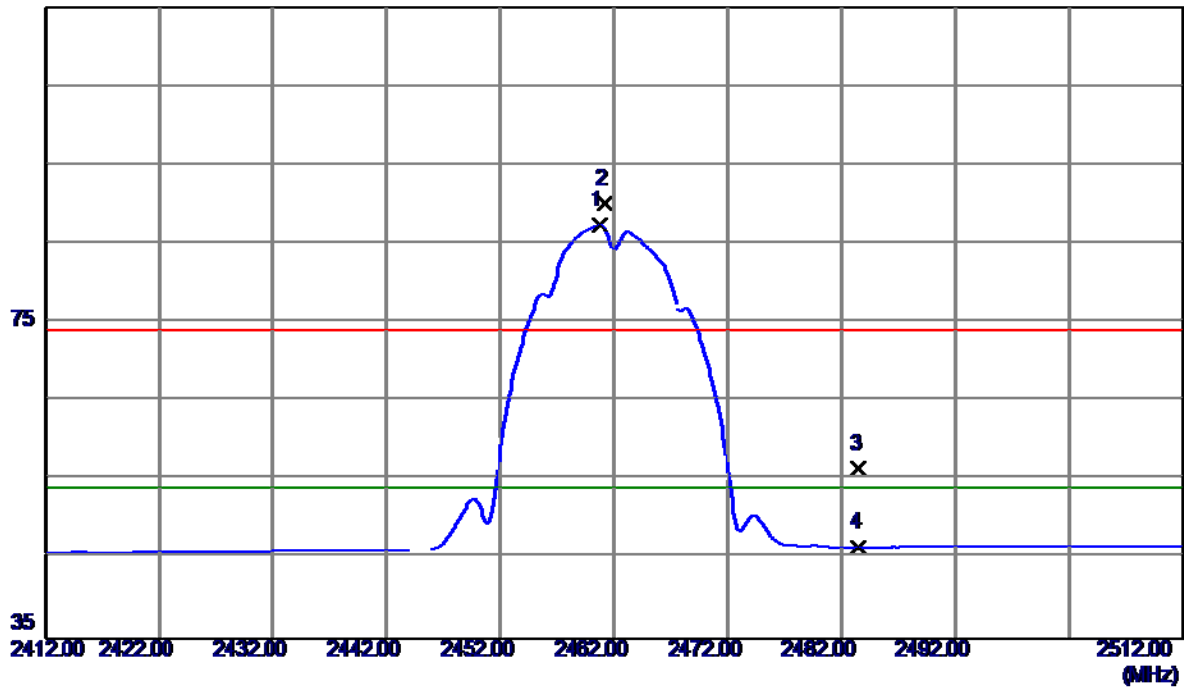


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.0120	40.97	5.94	46.91	54.00	-7.09	AVG	
2	4924.0520	43.21	5.94	49.15	74.00	-24.85	Peak	

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

### Horizontal

115 dBuV/m

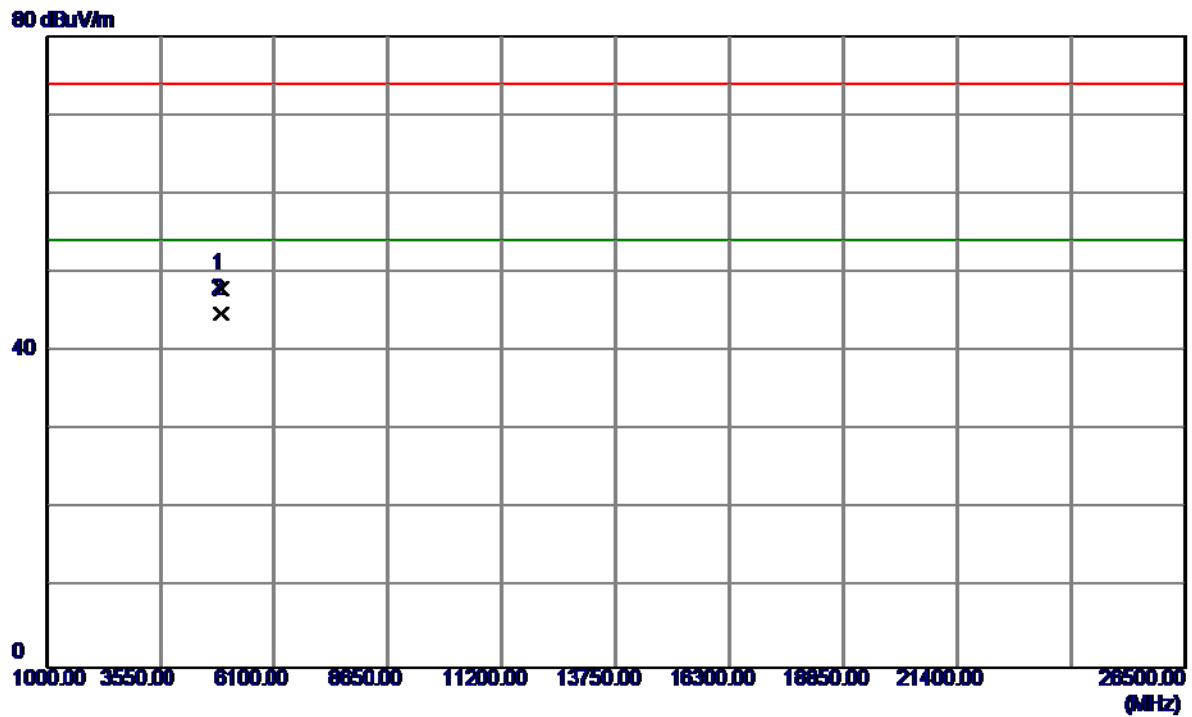


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2460.7500	53.03	34.28	87.31	54.00	33.31	AVG	No Limit
2	2461.2000	55.79	34.29	90.08	74.00	16.08	Peak	No Limit
3	2483.5000	22.02	34.41	56.43	74.00	-17.57	Peak	
4	2483.5000	12.13	34.41	46.54	54.00	-7.46	AVG	



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

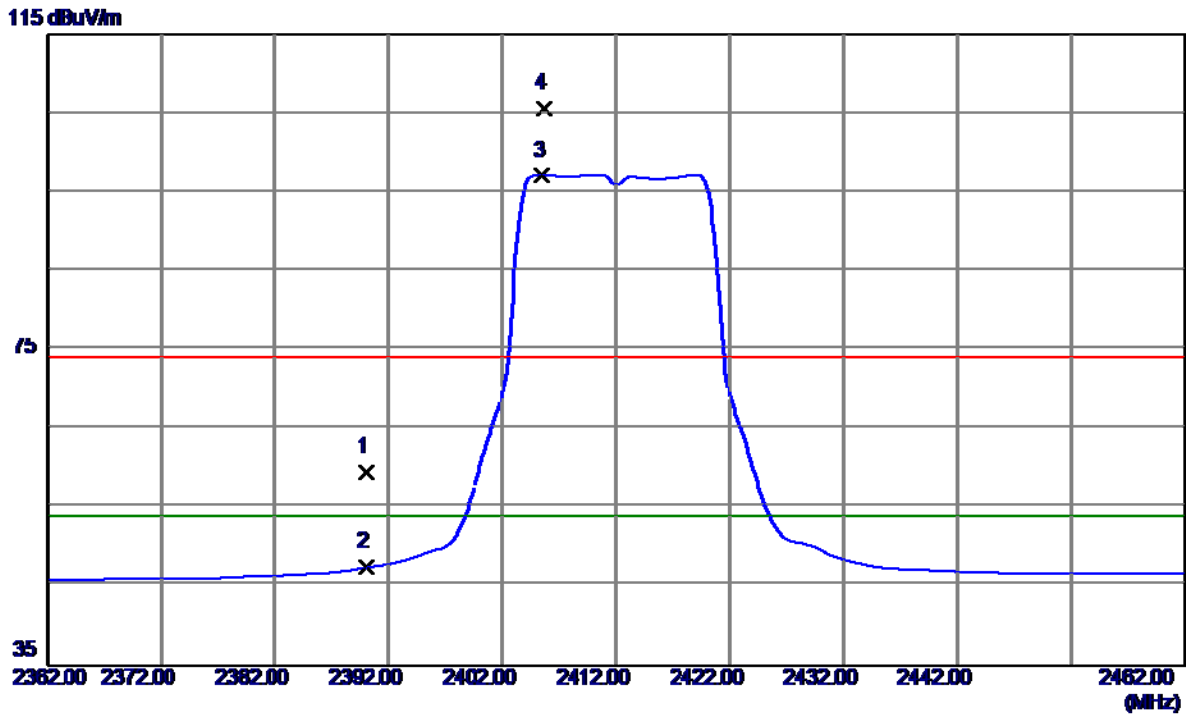
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.9480	42.03	5.94	47.97	74.00	-26.03	Peak	
2 *	4924.0250	38.88	5.94	44.82	54.00	-9.18	AVG	

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

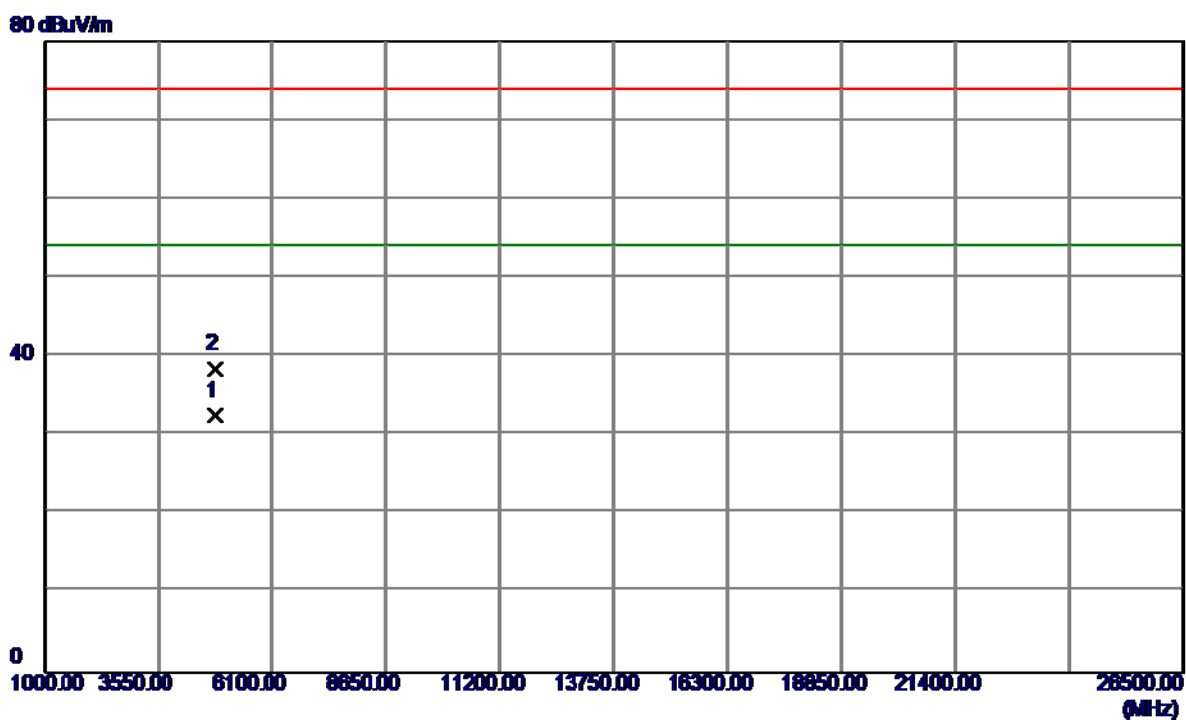
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	25.63	33.88	59.51	74.00	14.49	Peak	
2	2390.0000	13.55	33.88	47.43	54.00	-6.57	AVG	
3 *	2405.5000	63.16	33.97	97.13	54.00	43.13	AVG	No Limit
4	2405.6500	71.53	33.97	105.50	74.00	31.50	Peak	No Limit

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

### Vertical

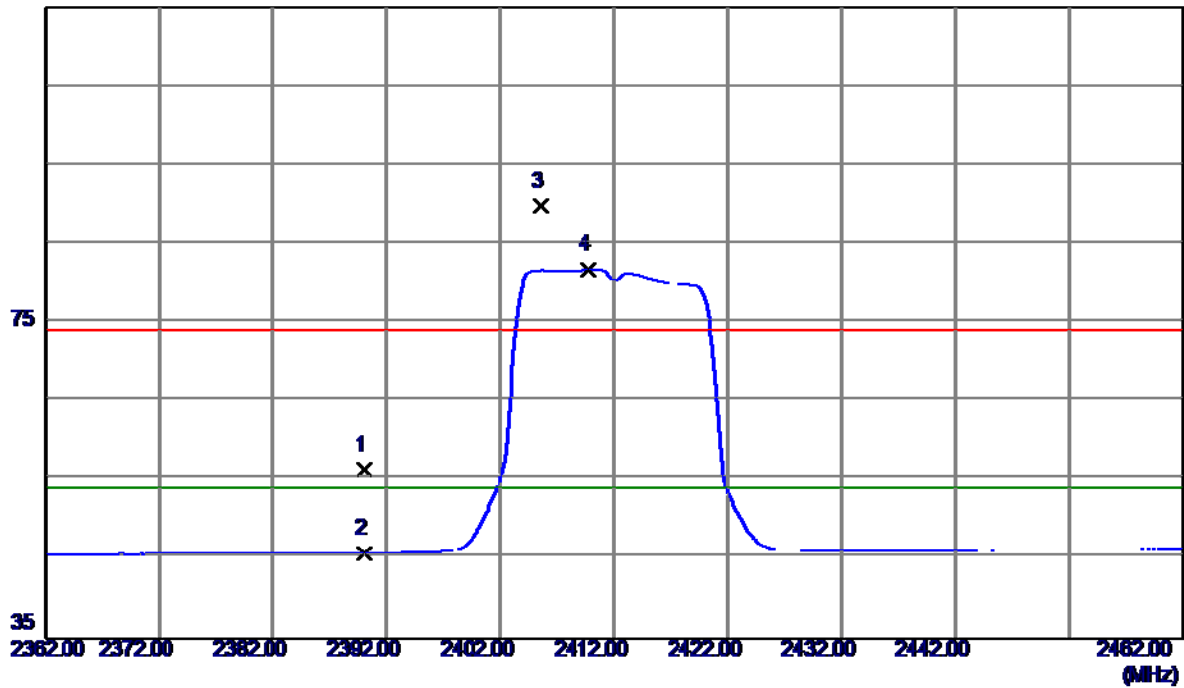


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	26.98	5.45	32.43	54.00	-21.57	AVG	
2	4829.5000	32.99	5.48	38.47	74.00	-35.53	Peak	

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

### Horizontal

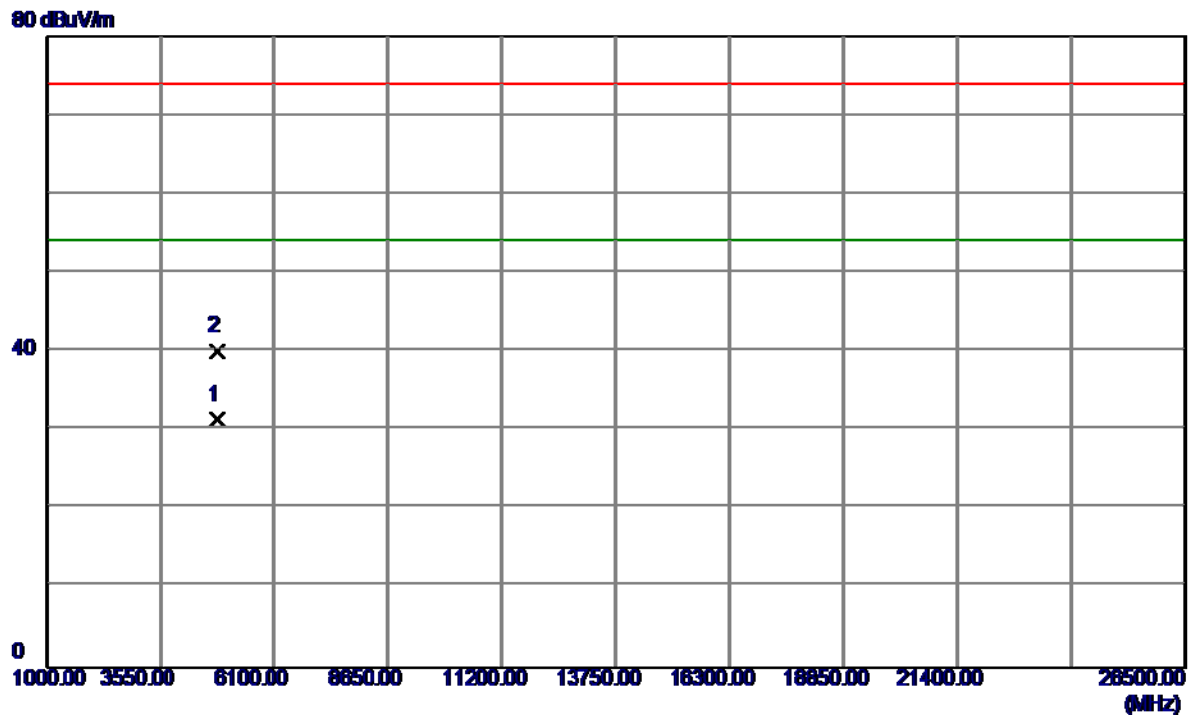
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.42	33.88	56.30	74.00	-17.70	Peak	
2	2390.0000	11.88	33.88	45.76	54.00	-8.24	AVG	
3	2405.5500	55.83	33.97	89.80	74.00	15.80	Peak	No Limit
4 *	2409.8000	47.71	33.99	81.70	54.00	27.70	AVG	No Limit

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

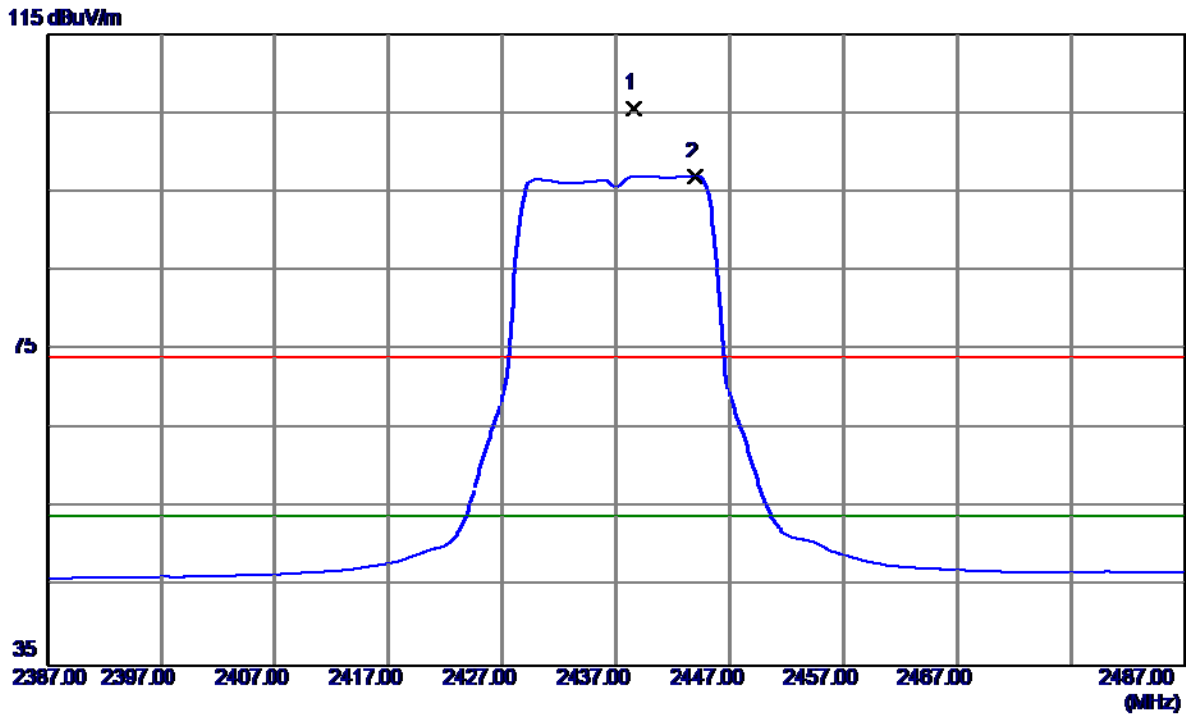
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.8400	25.87	5.45	31.32	54.00	-22.68	AVG	
2	4826.3950	34.50	5.47	39.97	74.00	-34.03	Peak	

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

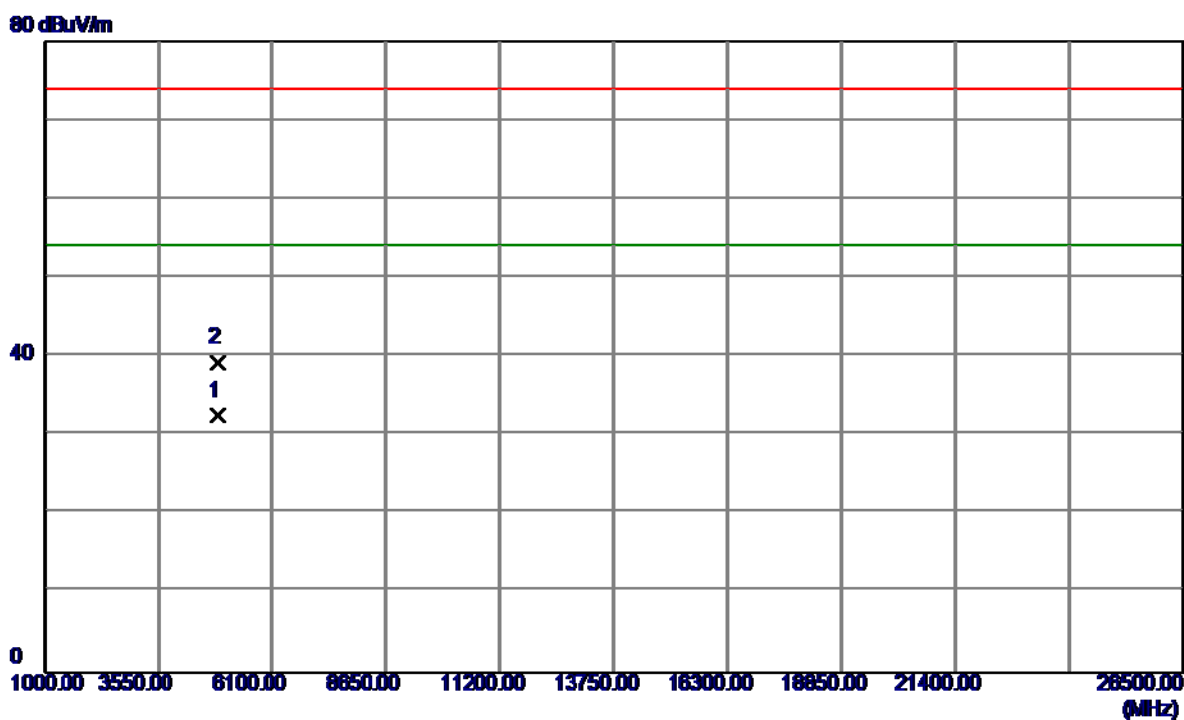
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2438.5500	71.34	34.16	105.50	74.00	31.50	Peak	No Limit
2 *	2444.0000	62.76	34.19	96.95	54.00	42.95	AVG	No Limit

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

**Vertical**

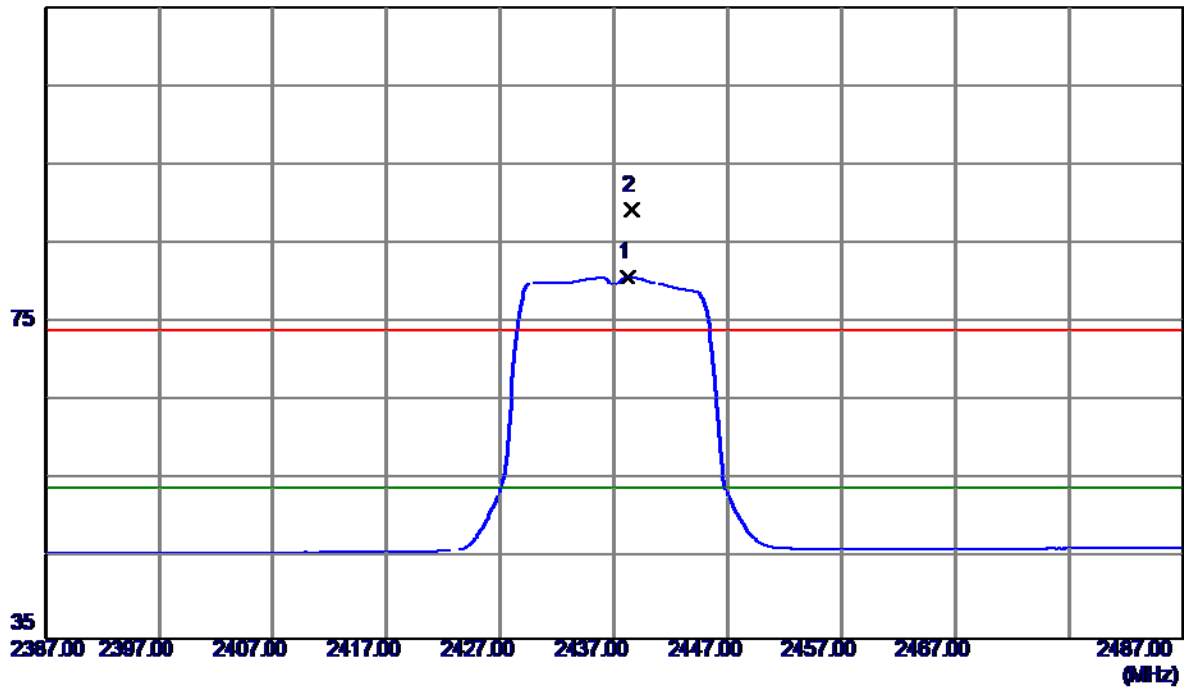


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	26.72	5.70	32.42	54.00	-21.58	AVG	
2	4874.5000	33.56	5.70	39.26	74.00	-34.74	Peak	

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

### Horizontal

115 dBuV/m

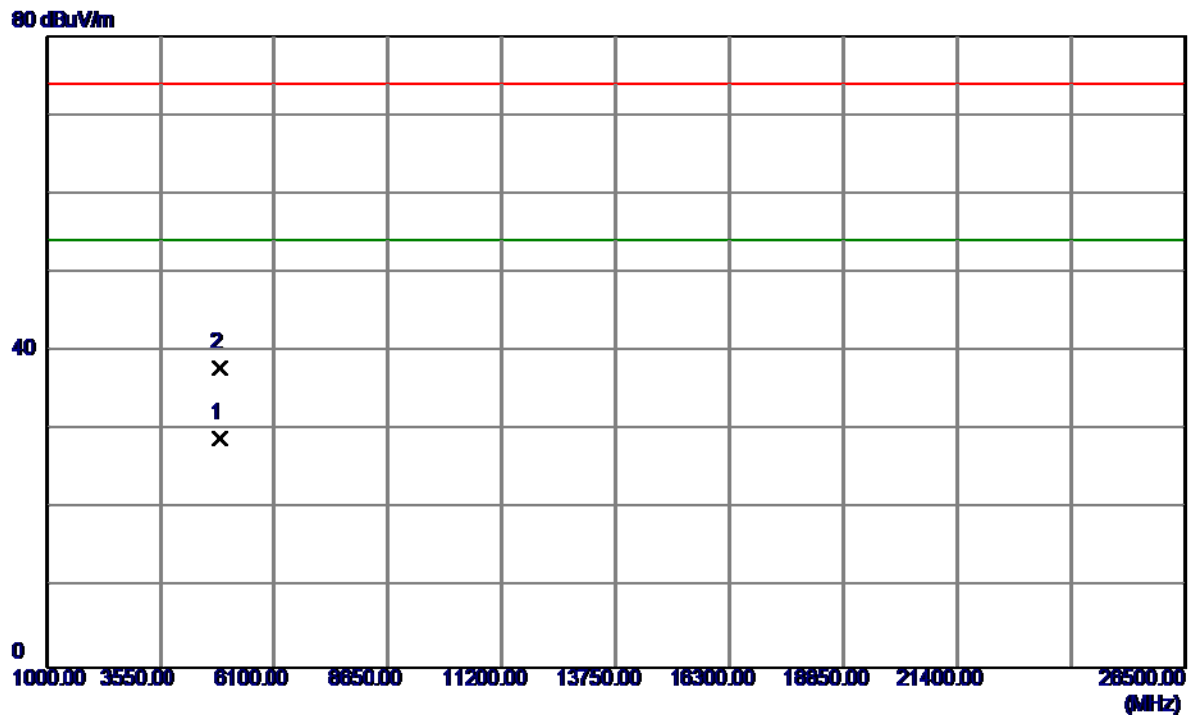


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2438.2500	46.67	34.15	80.82	54.00	26.82	AVG	No Limit
2	2438.6000	55.08	34.16	89.24	74.00	15.24	Peak	No Limit



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

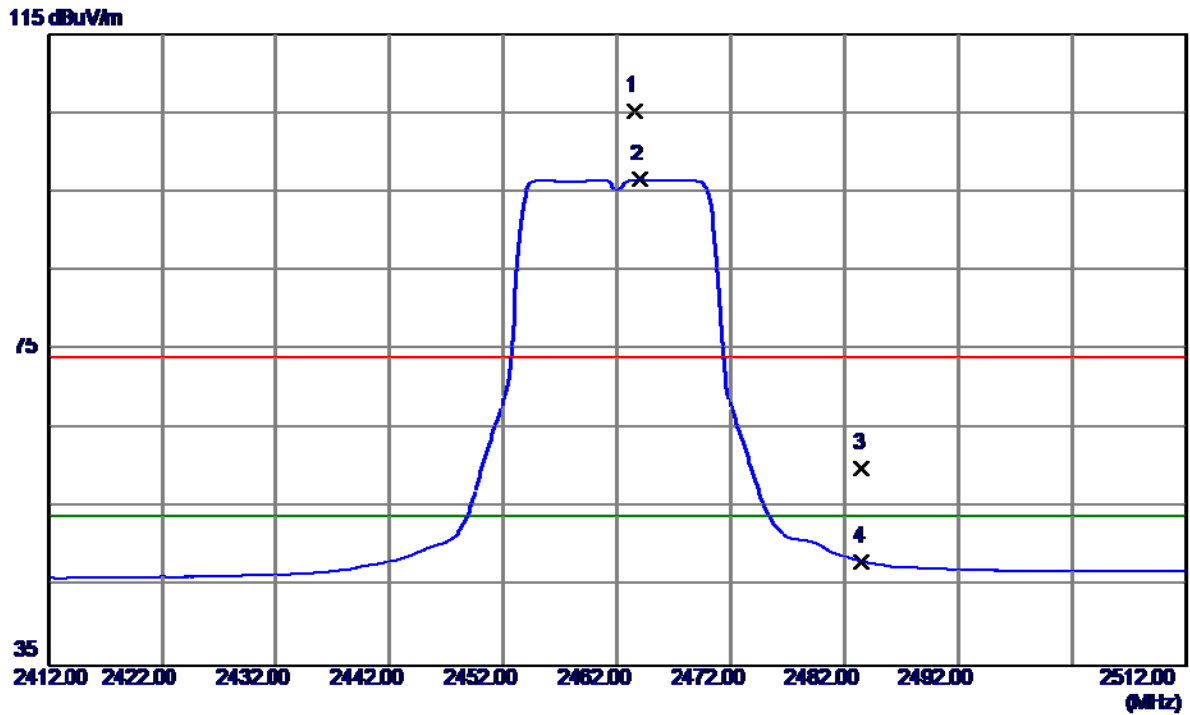
### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.8300	23.26	5.70	28.96	54.00	-25.04	AVG	
2	4873.8730	32.17	5.70	37.87	74.00	-36.13	Peak	

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

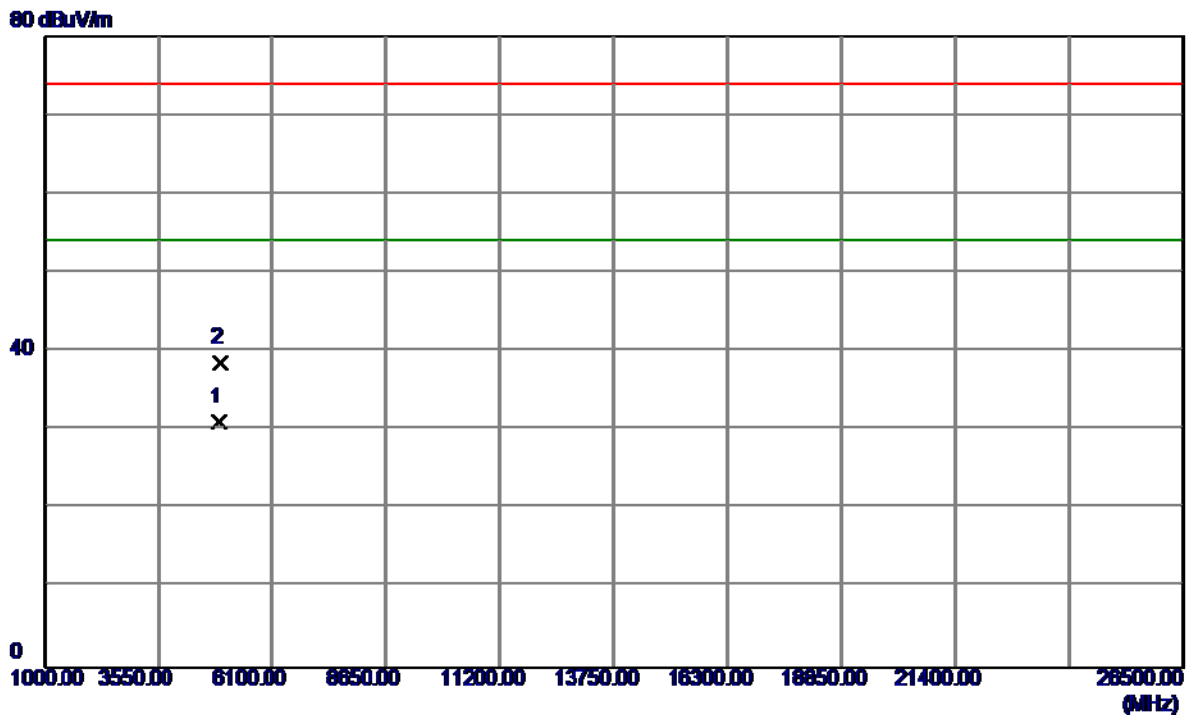
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.5500	70.95	34.30	105.25	74.00	31.25	Peak	No Limit
2 *	2463.9500	62.23	34.30	96.53	54.00	42.53	AVG	No Limit
3	2483.5000	25.58	34.41	59.99	74.00	-14.01	Peak	
4	2483.5000	13.77	34.41	48.18	54.00	-5.82	AVG	

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

### Vertical

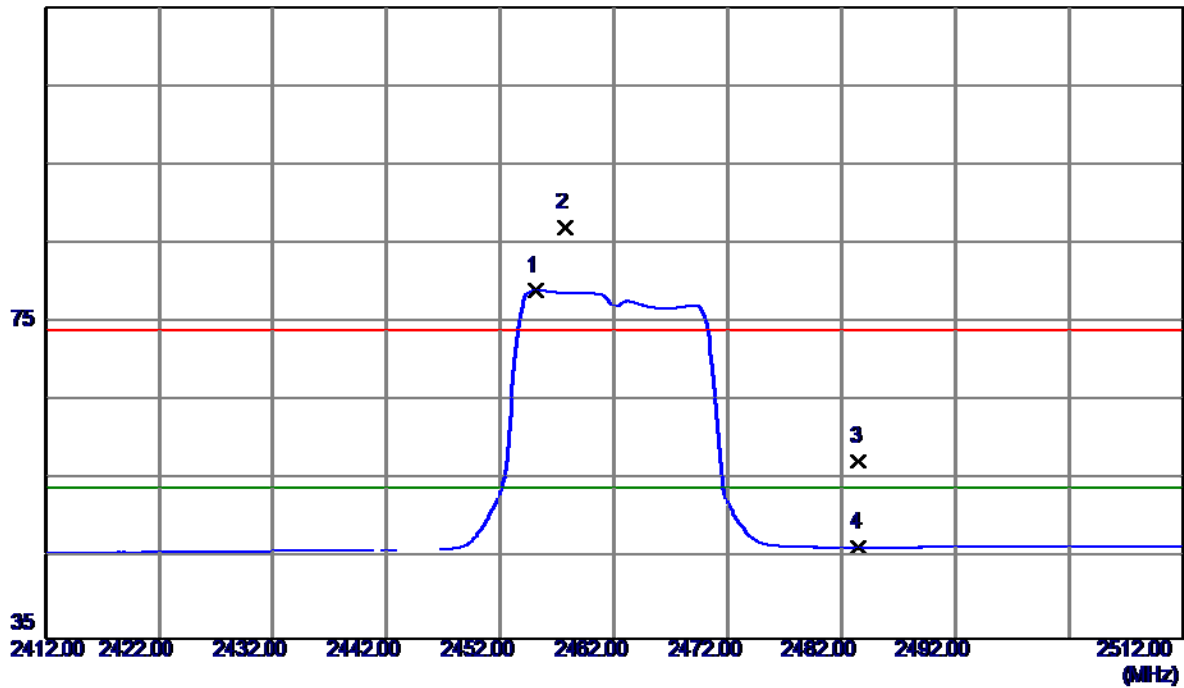


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.9000	25.13	5.94	31.07	54.00	-22.93	AVG	
2	4924.6000	32.57	5.94	38.51	74.00	-35.49	Peak	

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

### Horizontal

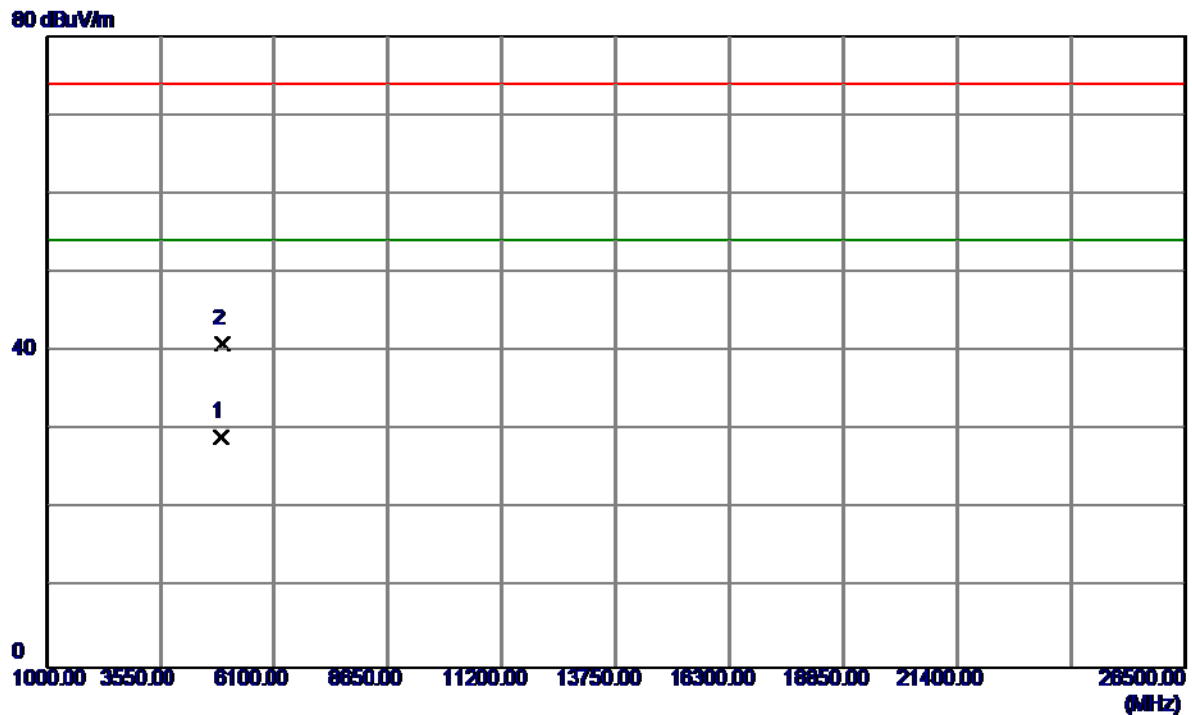
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2455.1500	44.72	34.25	78.97	54.00	24.97	AVG	No Limit
2	2457.6500	52.73	34.27	87.00	74.00	13.00	Peak	No Limit
3	2483.5000	23.02	34.41	57.43	74.00	-16.57	Peak	
4	2483.5000	12.16	34.41	46.57	54.00	-7.43	AVG	

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

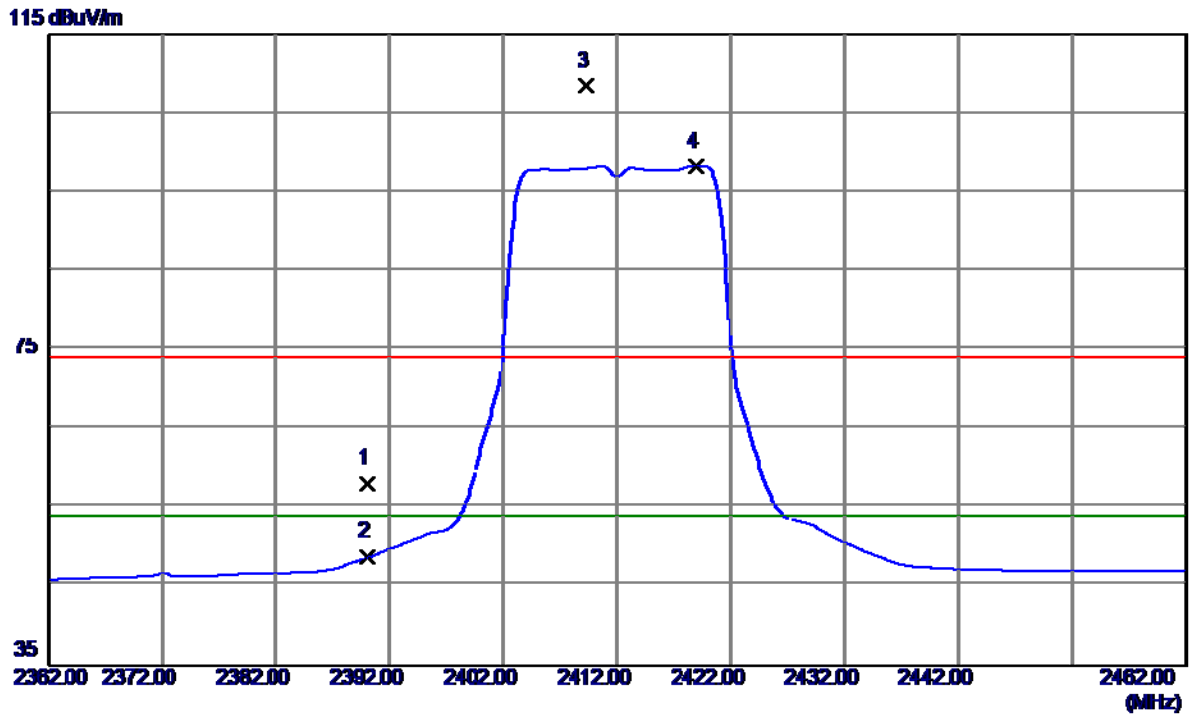
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.1650	23.18	5.94	29.12	54.00	-24.88	AVG	
2	4925.5330	34.97	5.95	40.92	74.00	-33.08	Peak	

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

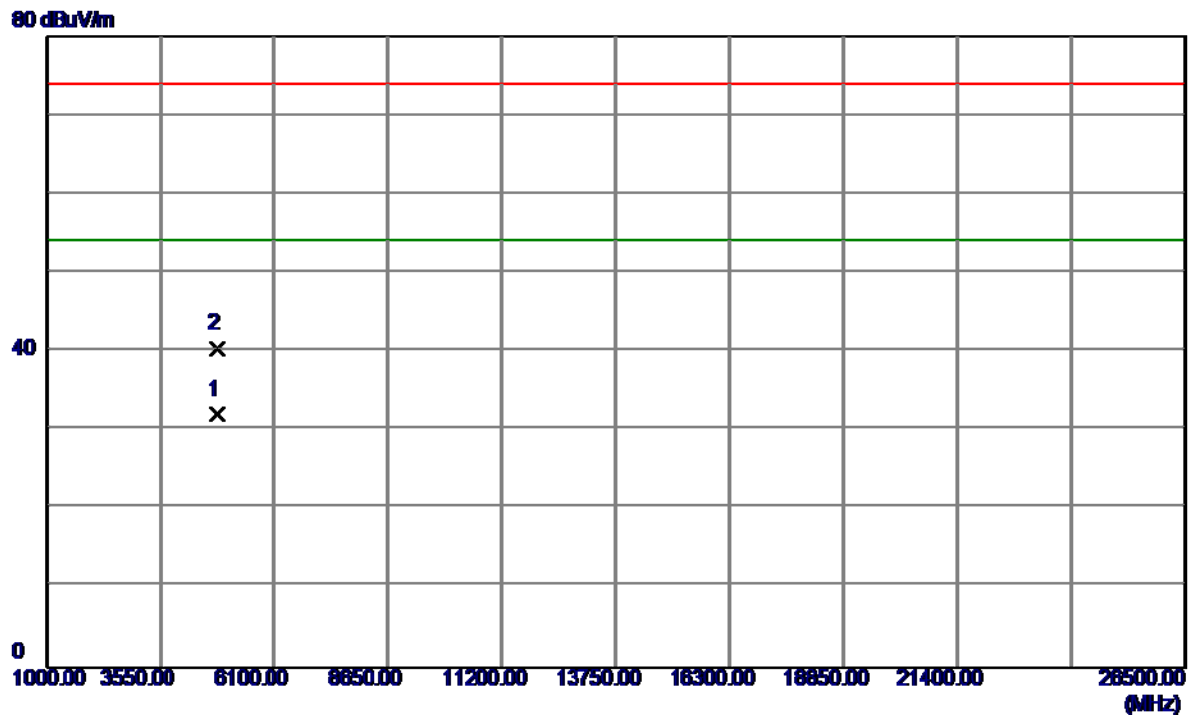
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.12	33.88	58.00	74.00	16.00	Peak	
2	2390.0000	14.82	33.88	48.70	54.00	-5.30	AVG	
3	2409.3500	74.45	33.99	108.44	74.00	34.44	Peak	No Limit
4 *	2419.0000	64.21	34.04	98.25	54.00	44.25	AVG	No Limit

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

### Vertical

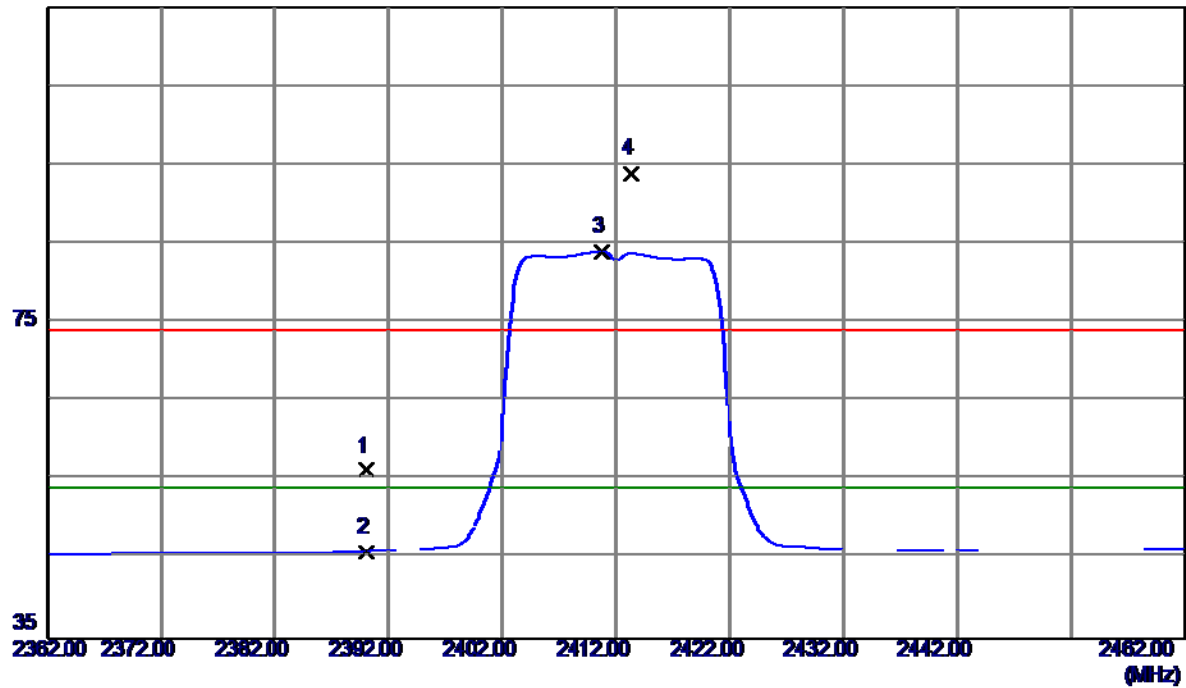


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.9000	26.50	5.45	31.95	54.00	-22.05	AVG	
2	4824.2000	34.90	5.46	40.36	74.00	-33.64	Peak	

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

### Horizontal

115 dBuV/m

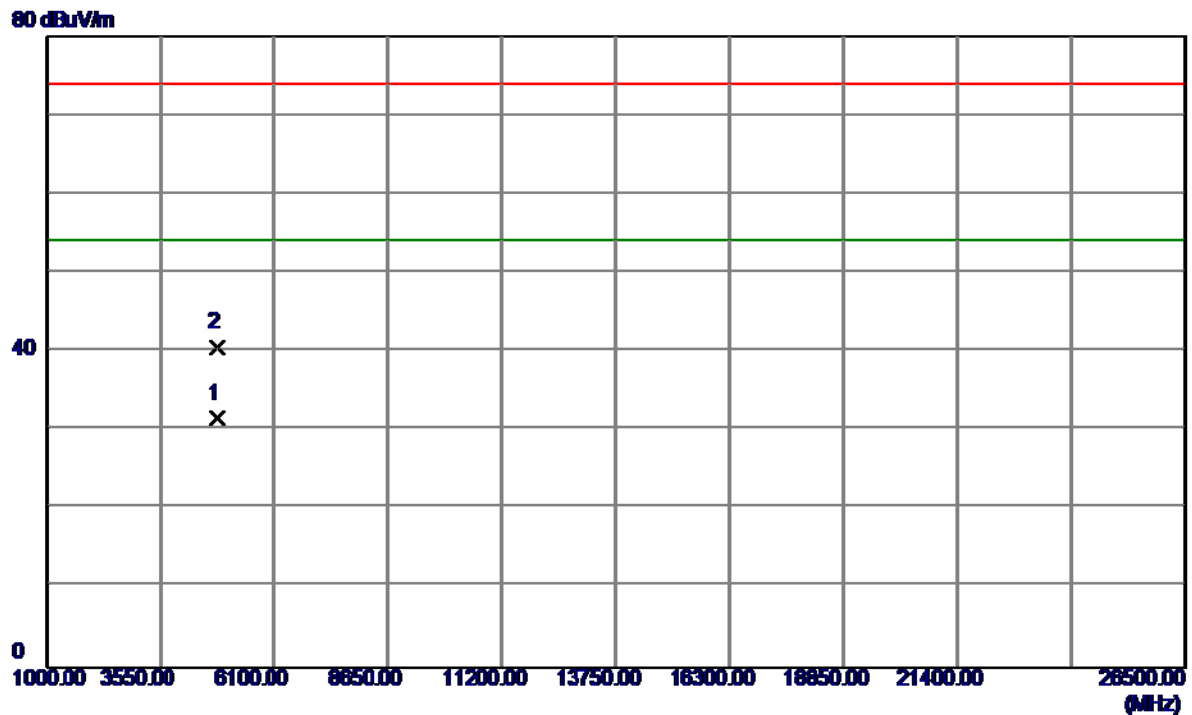


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.32	33.88	56.20	74.00	-17.80	Peak	
2	2390.0000	12.06	33.88	45.94	54.00	-8.06	AVG	
3 *	2410.7500	50.03	34.00	84.03	54.00	30.03	AVG	No Limit
4	2413.3500	59.88	34.01	93.89	74.00	19.89	Peak	No Limit



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

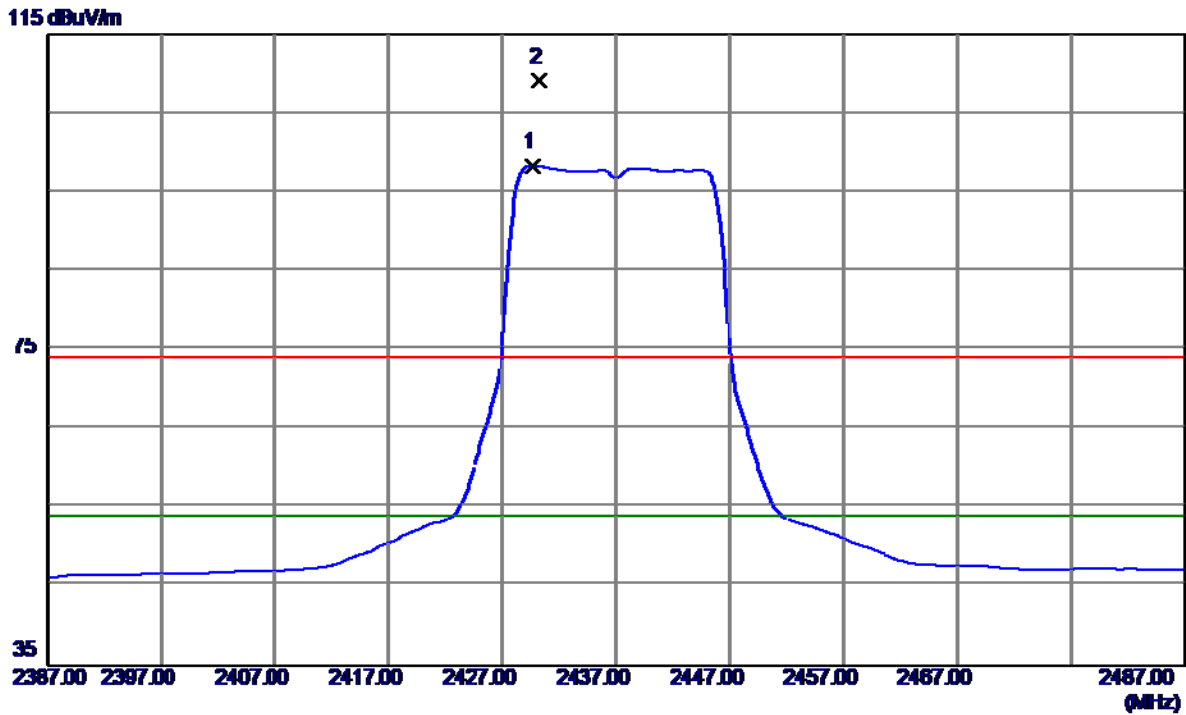
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0550	26.03	5.45	31.48	54.00	-22.52	AVG	
2	4824.0850	35.08	5.45	40.53	74.00	-33.47	Peak	

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

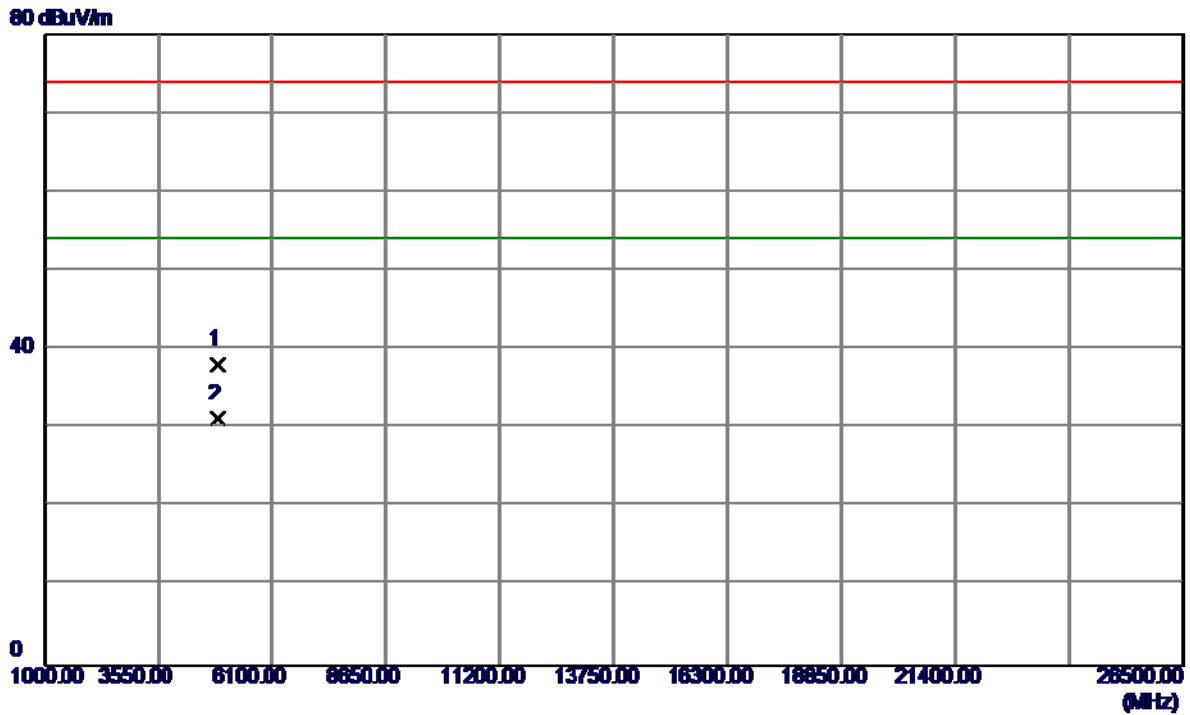
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2429.6500	64.17	34.10	98.27	54.00	44.27	AVG	No Limit
2	2430.2000	74.89	34.11	109.00	74.00	35.00	Peak	No Limit

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

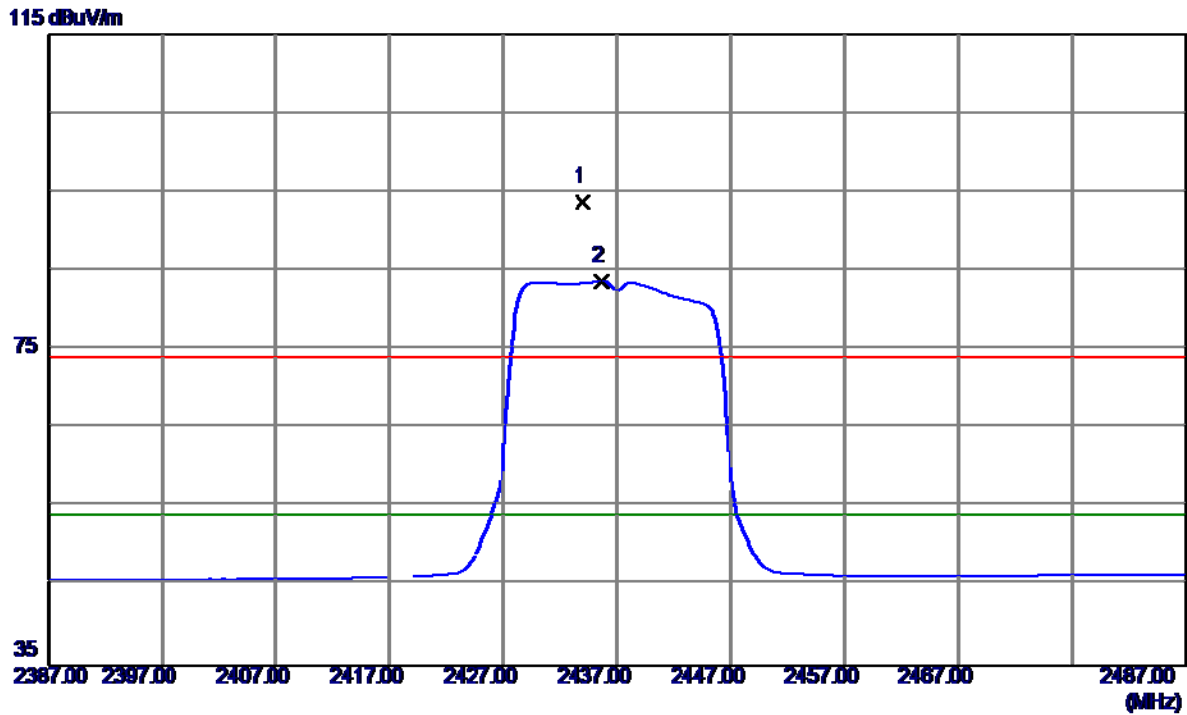
**Vertical**



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.5000	32.33	5.70	38.03	74.00	-35.97	Peak	
2 *	4874.0000	25.48	5.70	31.18	54.00	-22.82	AVG	

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

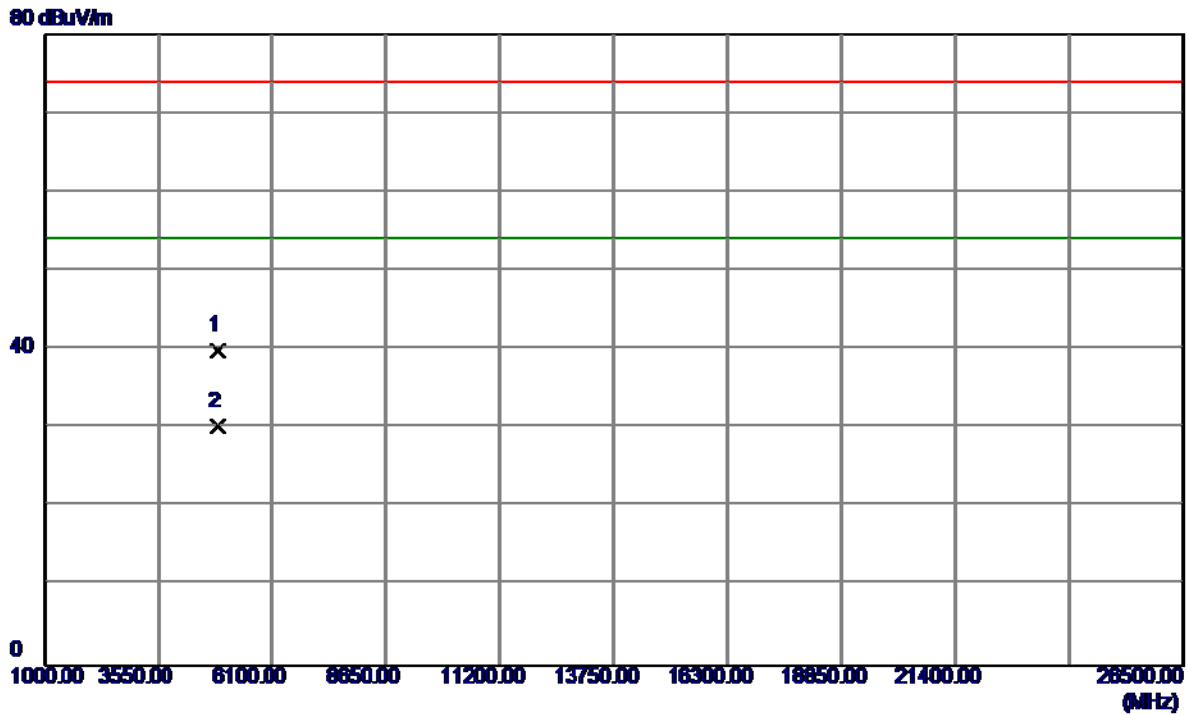
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2434.0500	59.54	34.13	93.67	74.00	19.67	Peak	No Limit
2 *	2435.7000	49.57	34.14	83.71	54.00	29.71	AVG	No Limit

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

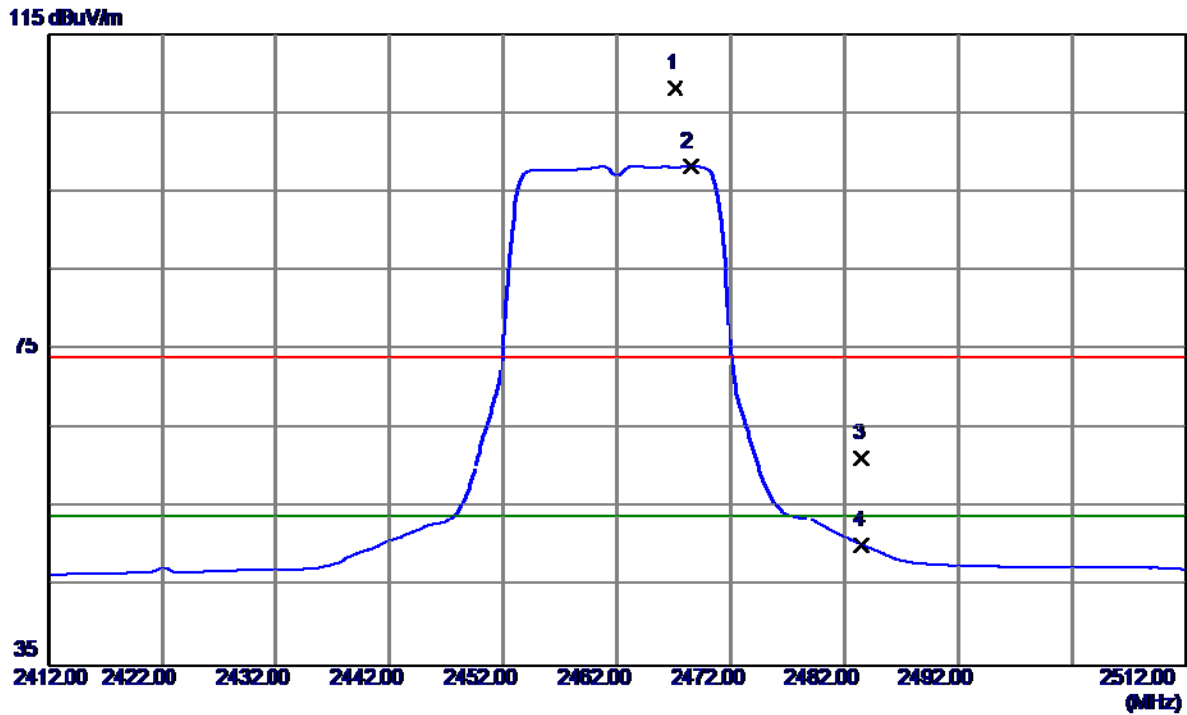
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0299	34.15	5.70	39.85	74.00	-34.15	Peak	
2 *	4874.0400	24.52	5.70	30.22	54.00	-23.78	AVG	

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

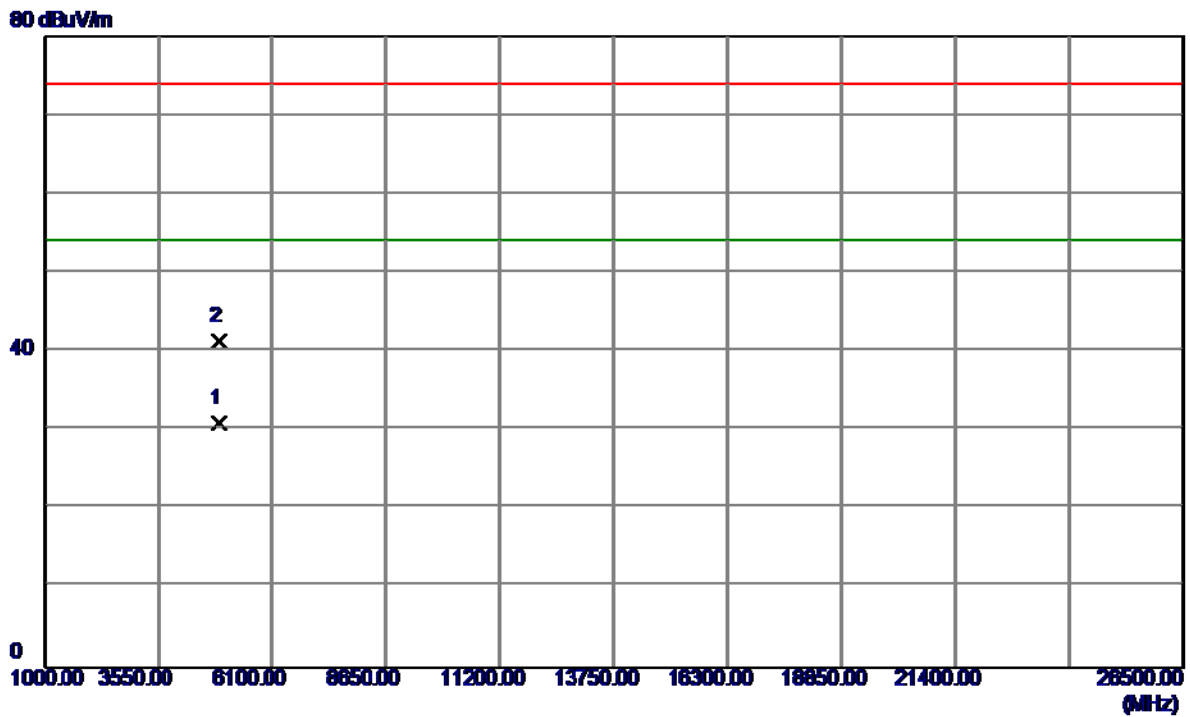
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2467.1500	73.73	34.32	108.05	74.00	34.05	Peak	No Limit
2 *	2468.5000	63.92	34.33	98.25	54.00	44.25	AVG	No Limit
3	2483.5000	26.86	34.41	61.27	74.00	-12.73	Peak	
4	2483.5000	15.82	34.41	50.23	54.00	-3.77	AVG	

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

**Vertical**

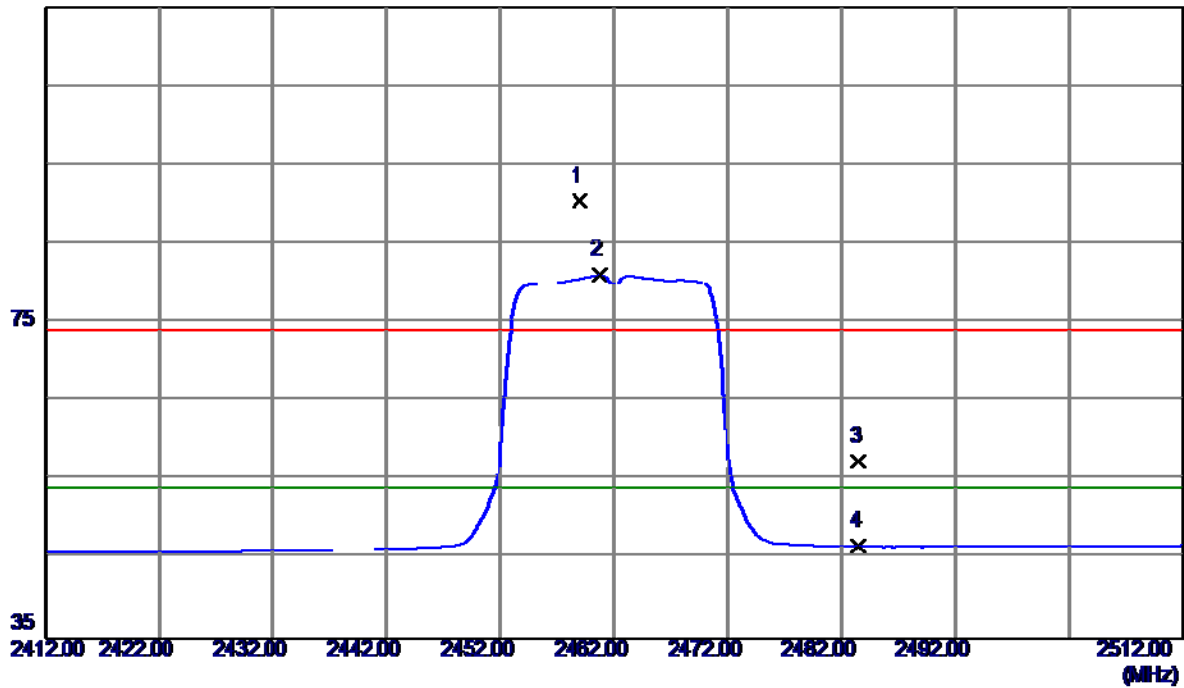


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.0000	24.88	5.94	30.82	54.00	-23.18	AVG	
2	4924.1000	35.29	5.94	41.23	74.00	-32.77	Peak	

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

### Horizontal

115 dBuV/m

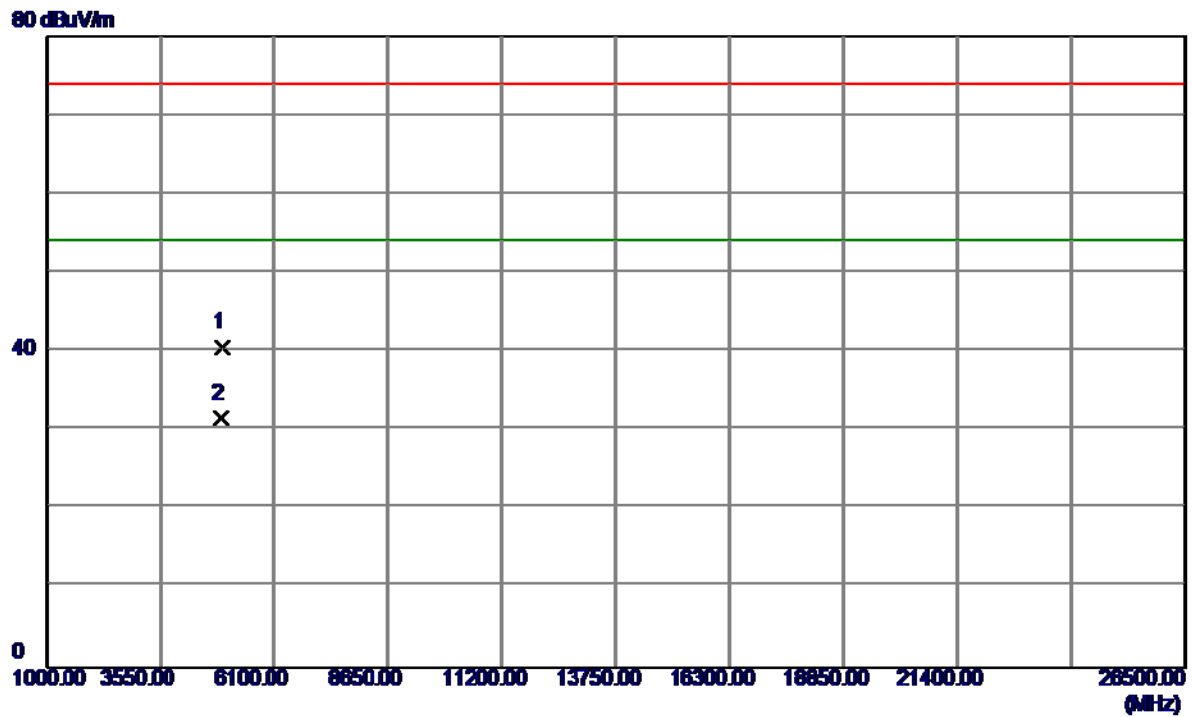


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.0500	56.14	34.27	90.41	74.00	16.41	Peak	No Limit
2 *	2460.7500	46.73	34.28	81.01	54.00	27.01	AVG	No Limit
3	2483.5000	23.05	34.41	57.46	74.00	-16.54	Peak	
4	2483.5000	12.21	34.41	46.62	54.00	-7.38	AVG	



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

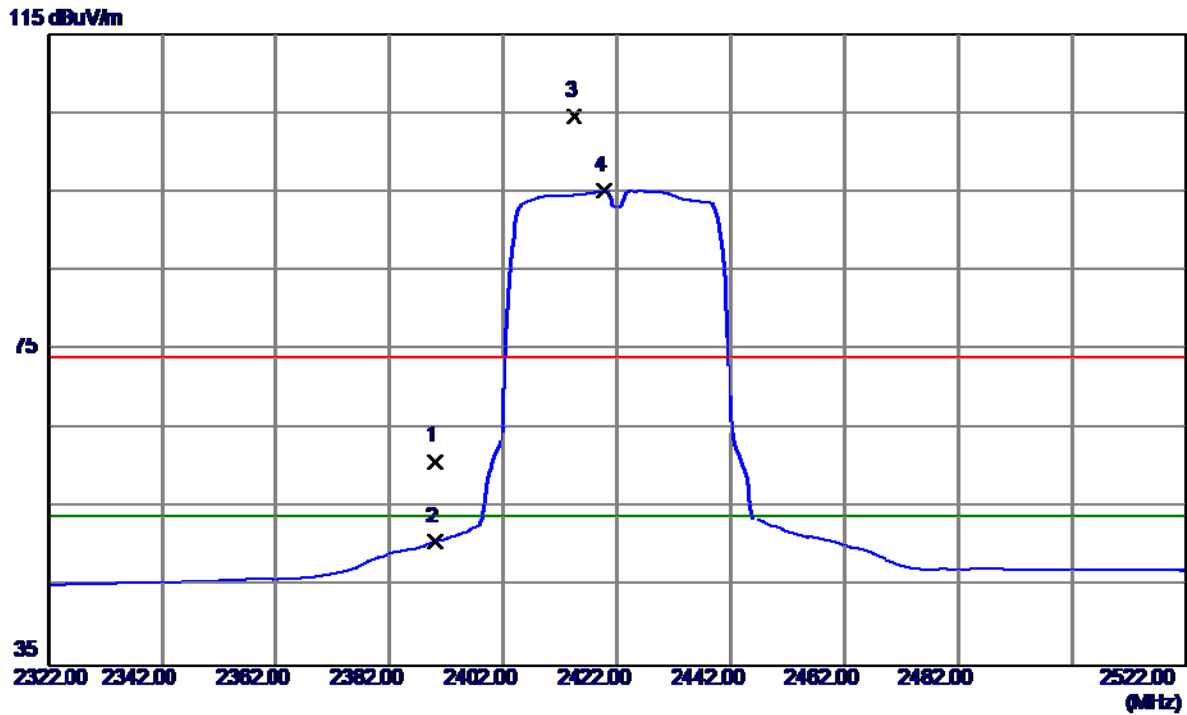
### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.8400	34.55	5.94	40.49	74.00	-33.51	Peak	
2 *	4924.0450	25.52	5.94	31.46	54.00	-22.54	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

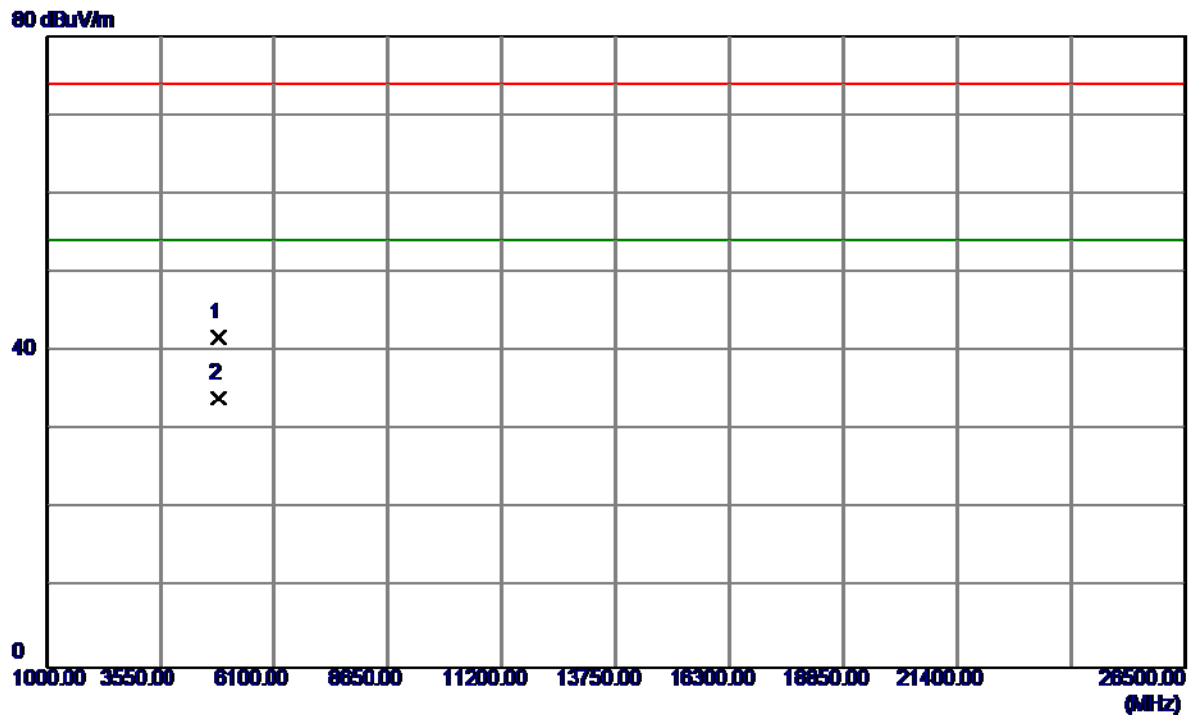
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	26.96	33.88	60.84	74.00	13.16	Peak	
2	2390.0000	16.80	33.88	50.68	54.00	-3.32	AVG	
3	2414.5000	70.56	34.02	104.58	74.00	30.58	Peak	No Limit
4 *	2419.8000	61.08	34.05	95.13	54.00	41.13	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

### Vertical

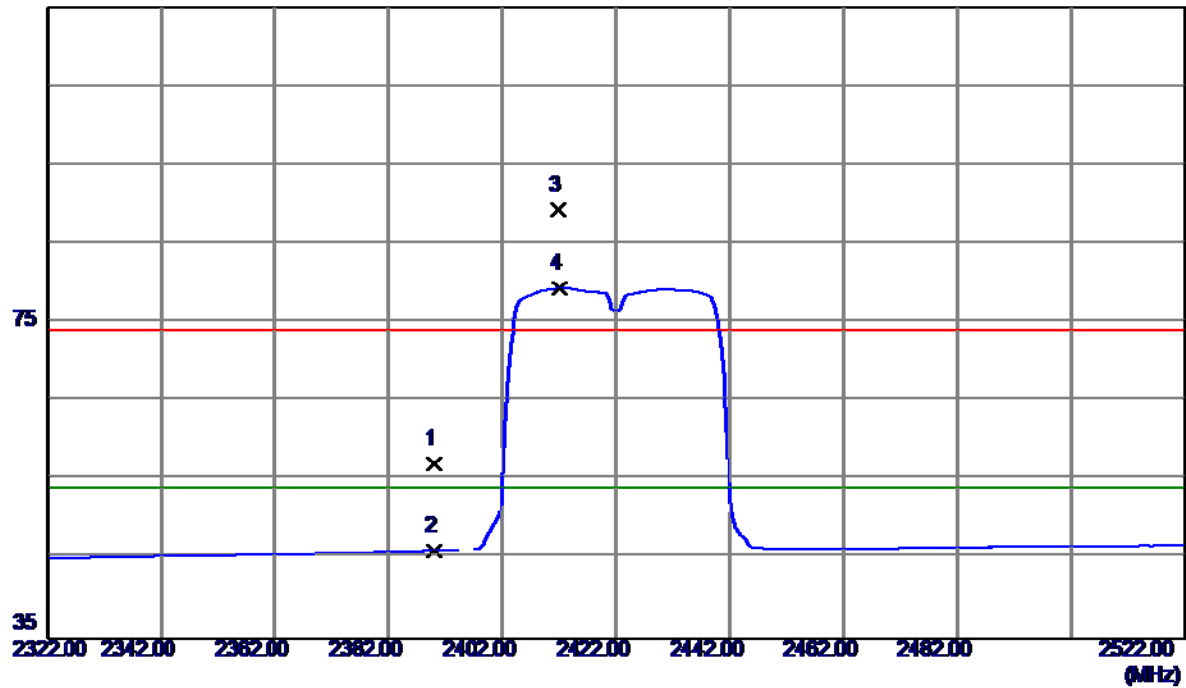


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4843.8350	36.25	5.55	41.80	74.00	-32.20	Peak	
2 *	4844.0099	28.47	5.55	34.02	54.00	-19.98	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

### Horizontal

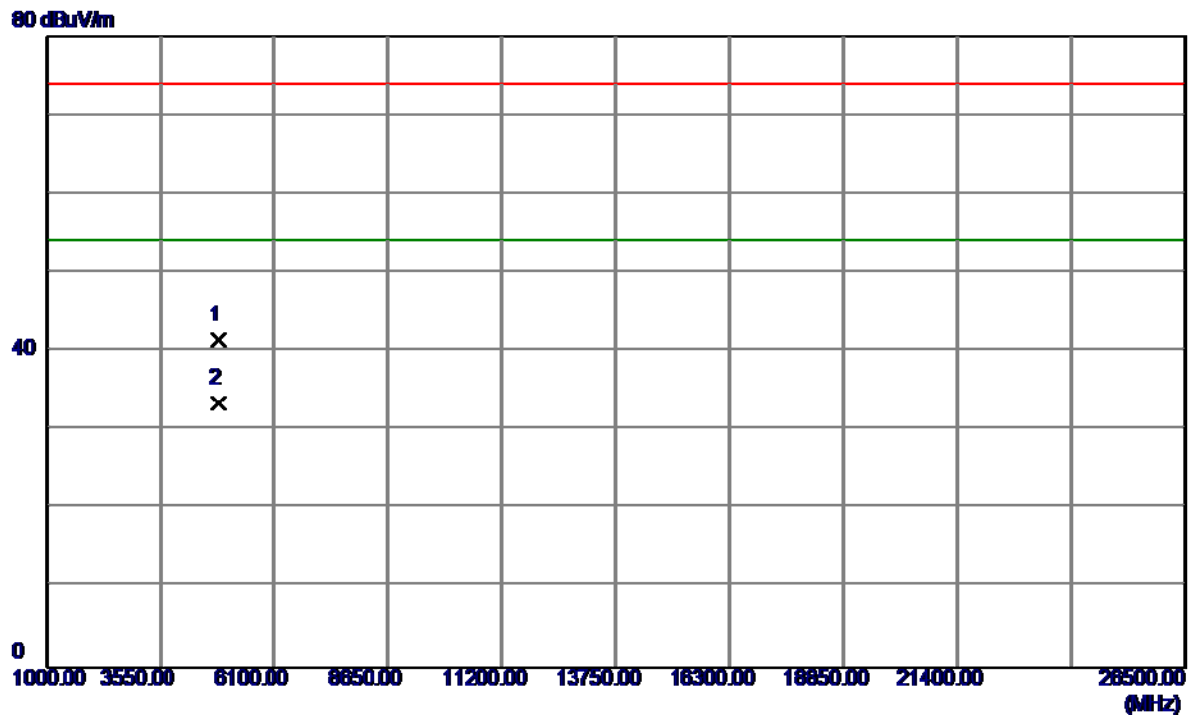
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.23	33.88	57.11	74.00	-16.89	Peak	
2	2390.0000	12.15	33.88	46.03	54.00	-7.97	AVG	
3	2411.7000	55.22	34.00	89.22	74.00	15.22	Peak	No Limit
4 *	2412.0000	45.32	34.00	79.32	54.00	25.32	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

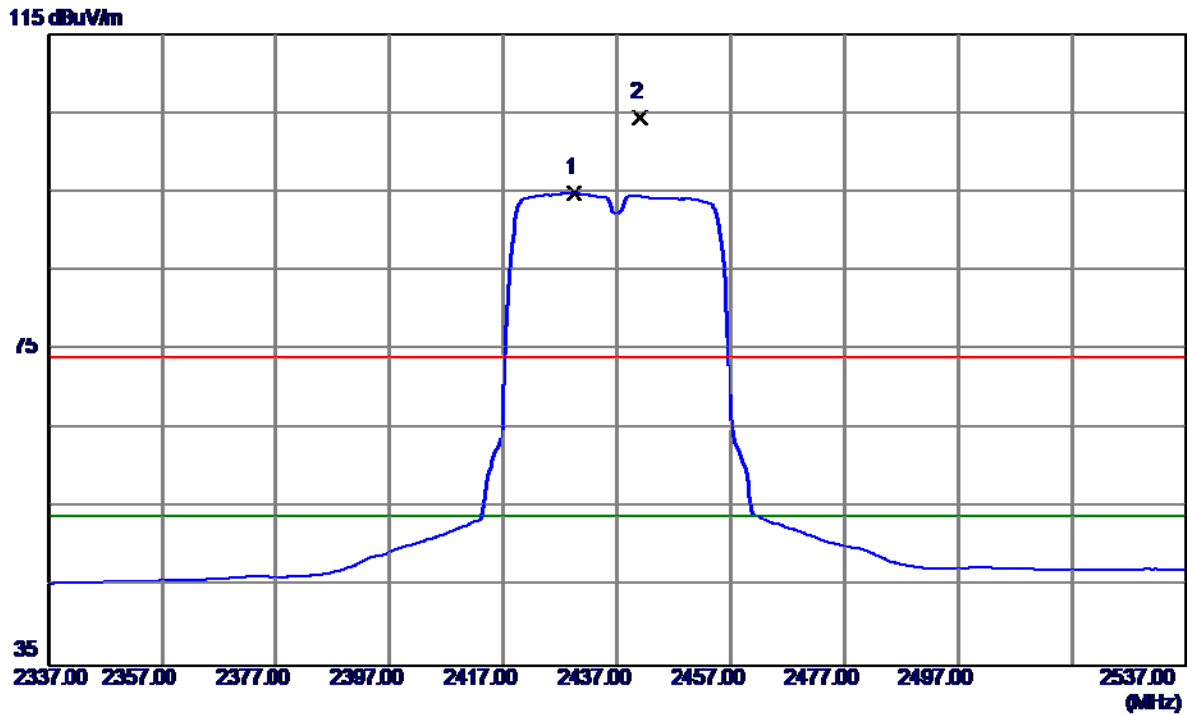
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4843.6900	35.85	5.55	41.40	74.00	-32.60	Peak	
2 *	4844.0600	27.84	5.55	33.39	54.00	-20.61	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

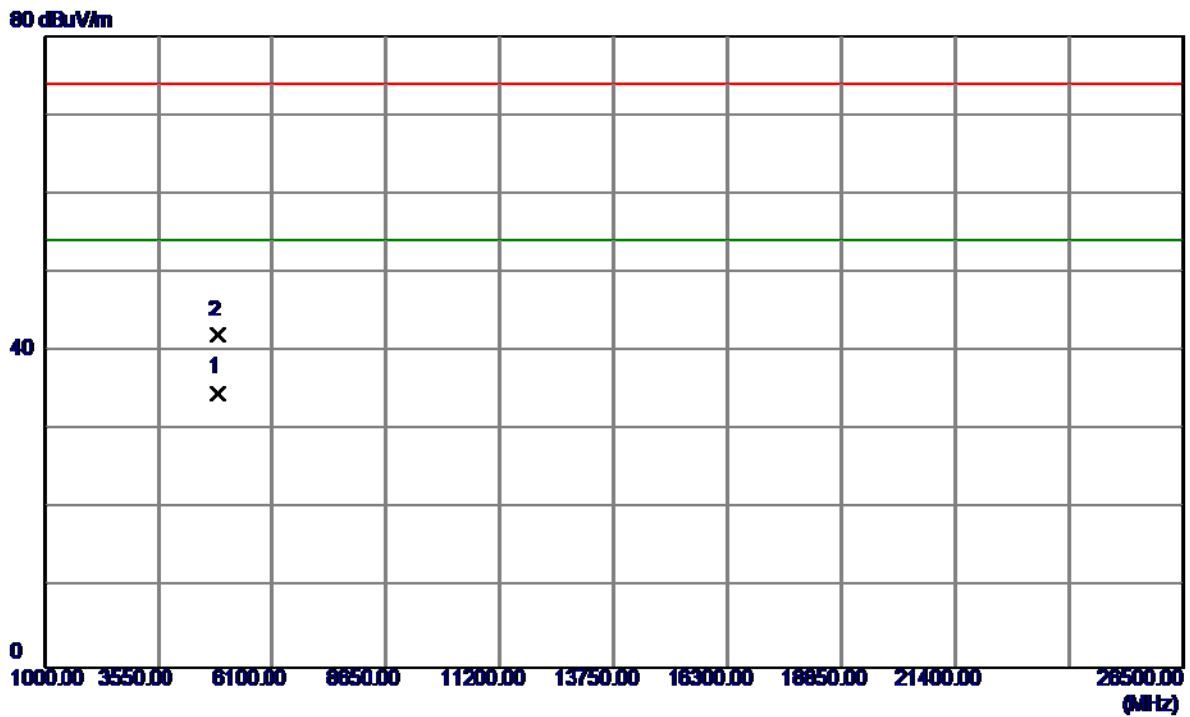
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2429.4000	60.78	34.10	94.88	54.00	40.88	AVG	No Limit
2	2441.1000	70.29	34.17	104.46	74.00	30.46	Peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

**Vertical**

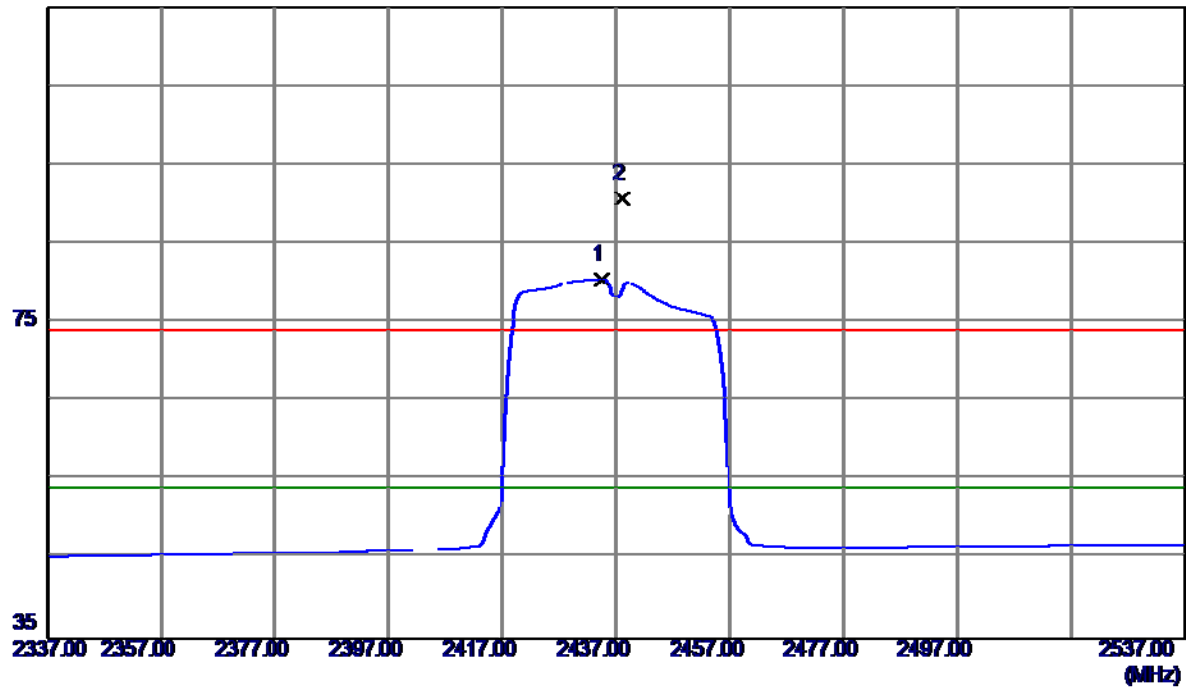


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.0700	29.10	5.70	34.80	54.00	-19.20	AVG	
2	4874.1150	36.39	5.70	42.09	74.00	-31.91	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

### Horizontal

115 dBuV/m

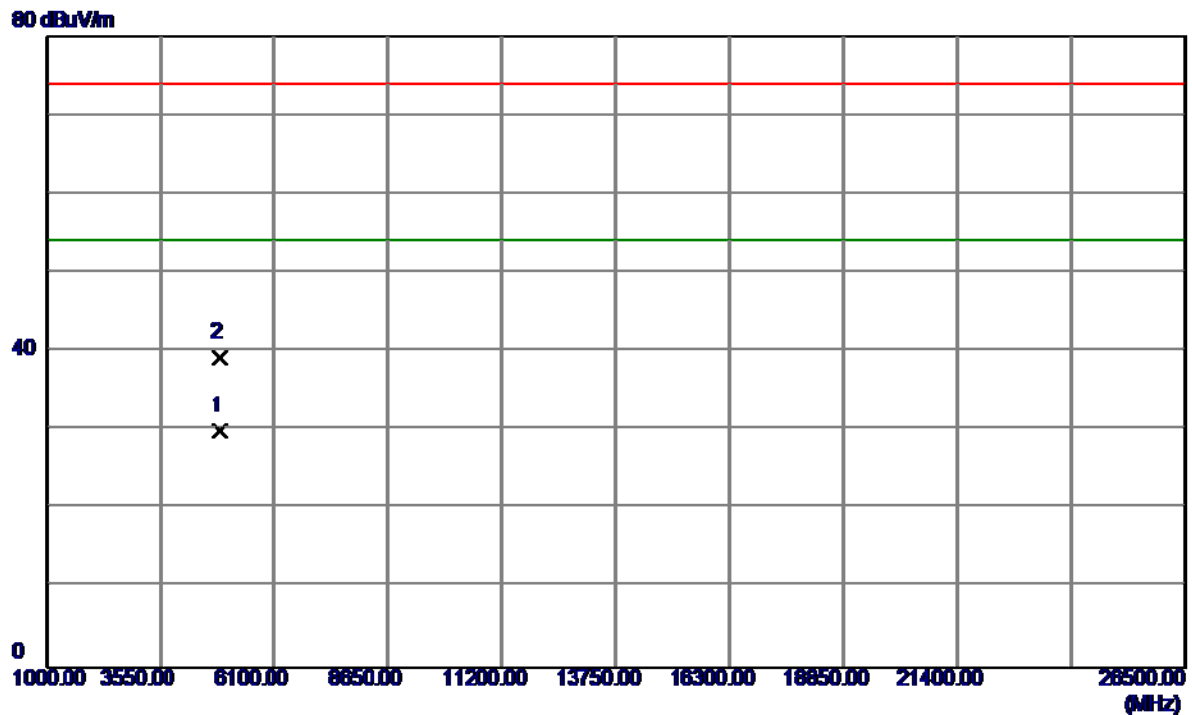


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2434.6000	46.34	34.13	80.47	54.00	26.47	AVG	No Limit
2	2438.2000	56.47	34.15	90.62	74.00	16.62	Peak	No Limit



Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

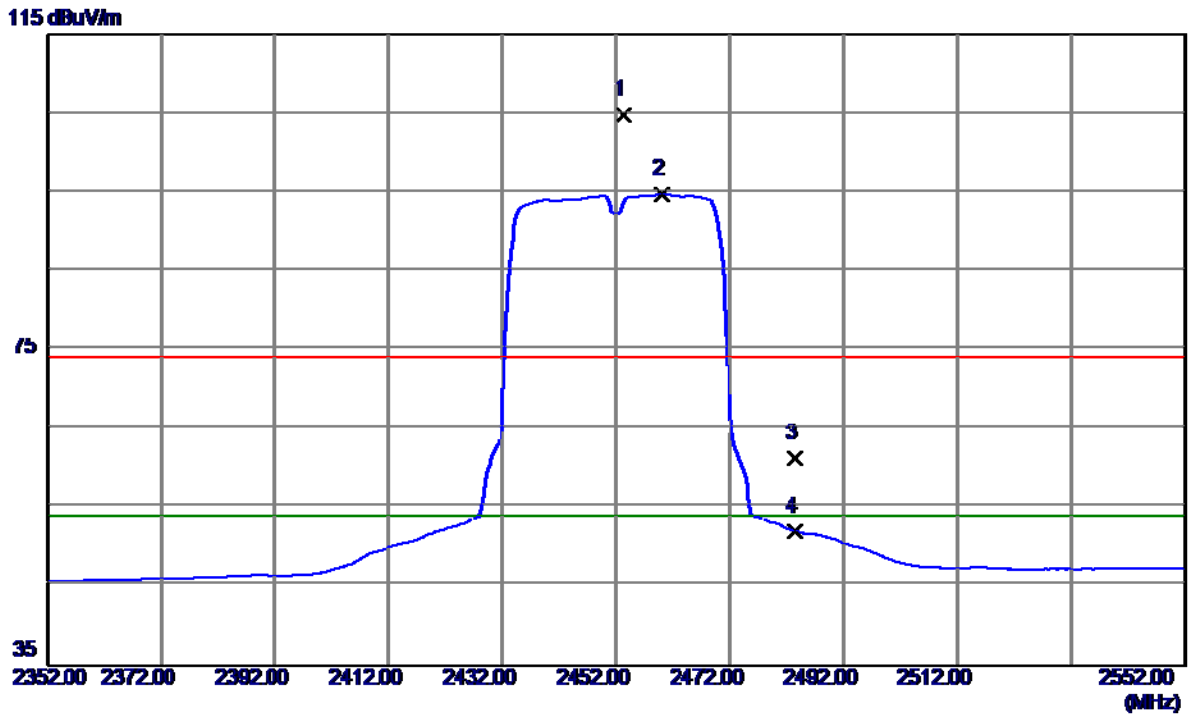
### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.0400	24.22	5.70	29.92	54.00	-24.08	AVG	
2	4874.0800	33.56	5.70	39.26	74.00	-34.74	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz

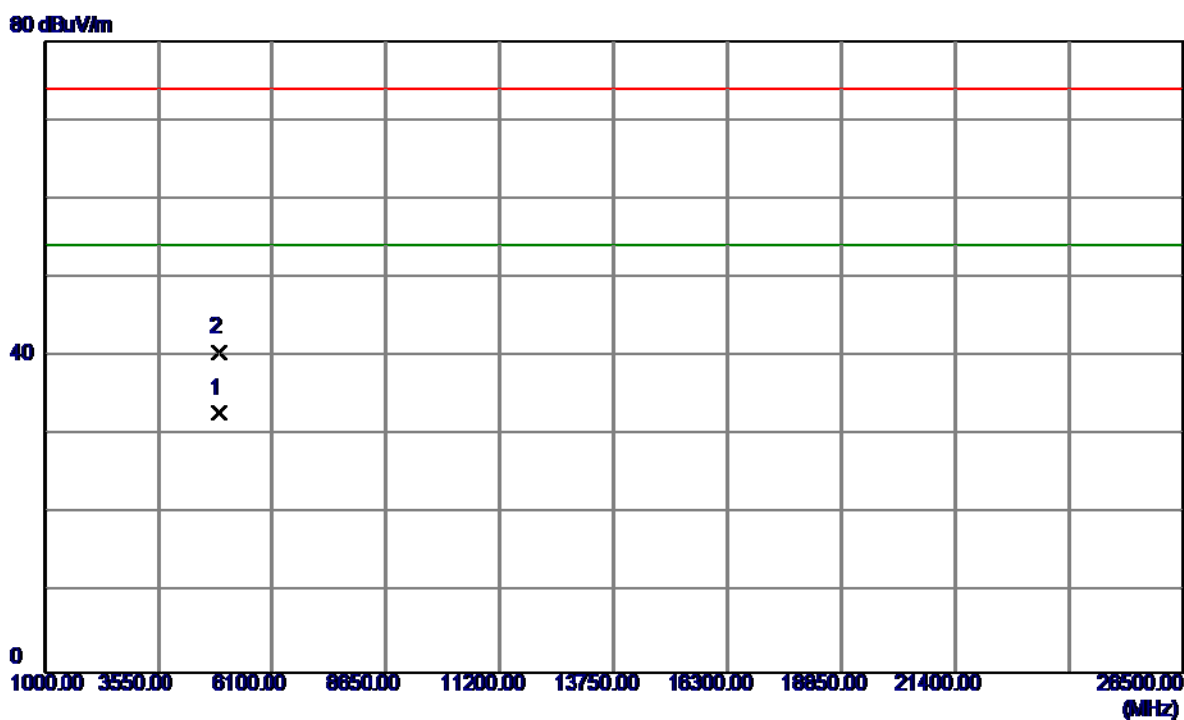
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2453.3000	70.53	34.24	104.77	74.00	30.77	Peak	No Limit
2 *	2459.9000	60.42	34.28	94.70	54.00	40.70	AVG	No Limit
3	2483.5000	26.78	34.41	61.19	74.00	-12.81	Peak	
4	2483.5000	17.57	34.41	51.98	54.00	-2.02	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz

### Vertical

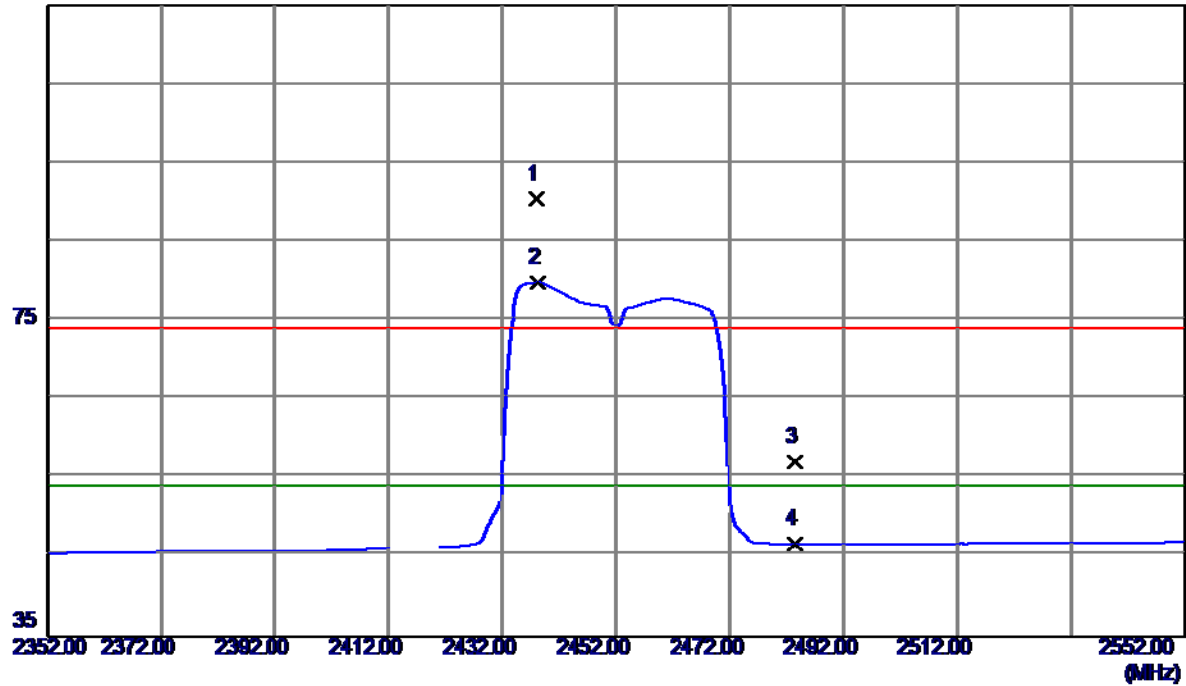


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4903.9350	27.02	5.84	32.86	54.00	-21.14	AVG	
2	4904.0200	34.62	5.84	40.46	74.00	-33.54	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz

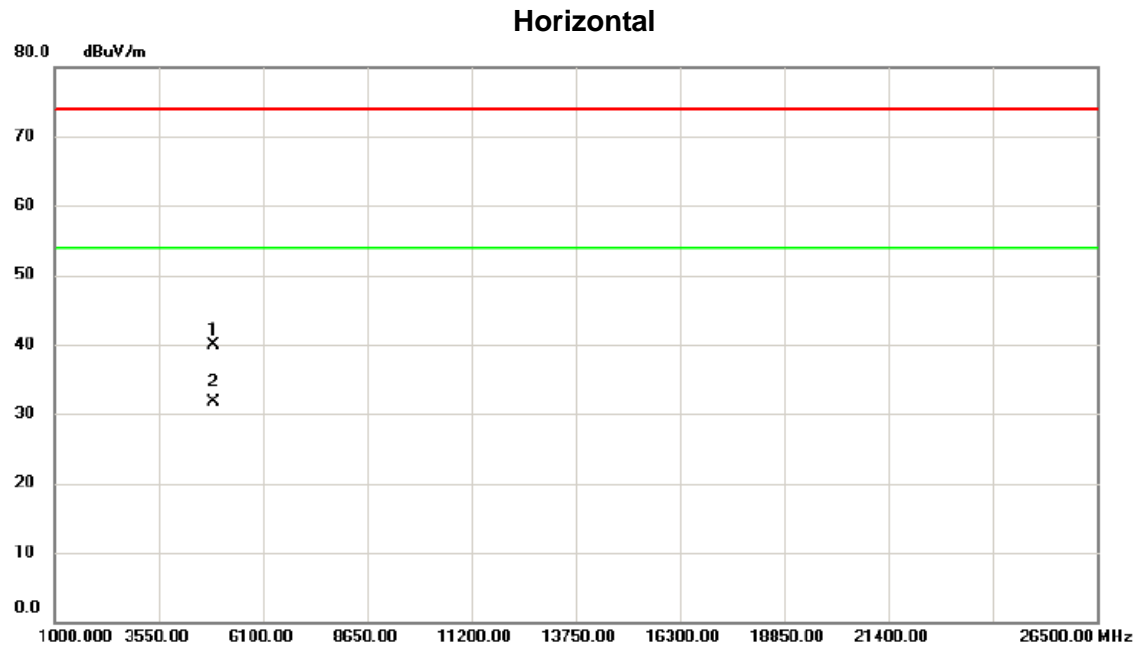
### Horizontal

115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2438.1000	56.19	34.15	90.34	74.00	16.34	Peak	No Limit
2 *	2438.2000	45.59	34.15	79.74	54.00	25.74	AVG	No Limit
3	2483.5000	22.64	34.41	57.05	74.00	-16.95	Peak	
4	2483.5000	12.28	34.41	46.69	54.00	-7.31	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz



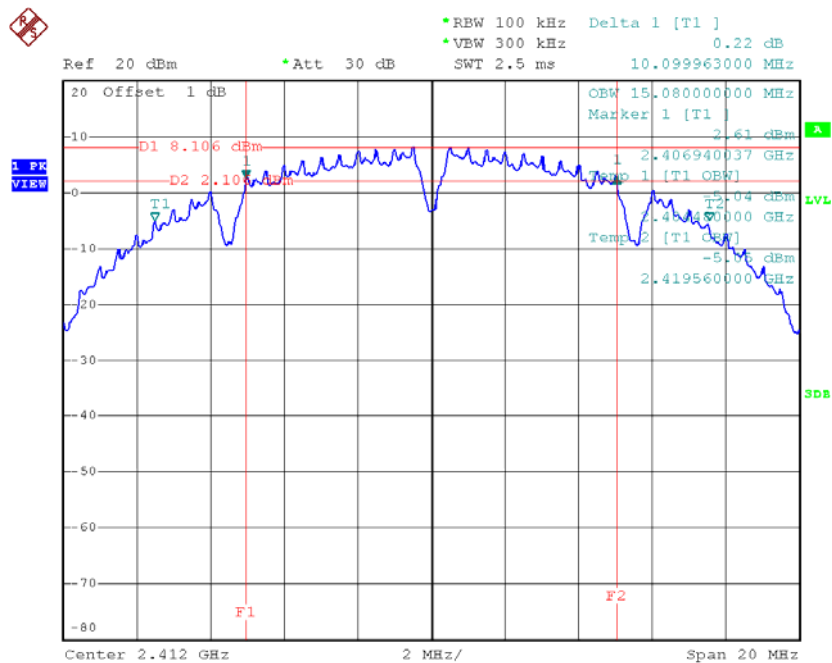
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4903.835	34.15	5.85	40.00	74.00	-34.00	peak	
2	*	4904.020	25.92	5.85	31.77	54.00	-22.23	AVG	

## ATTACHMENT E - BANDWIDTH

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

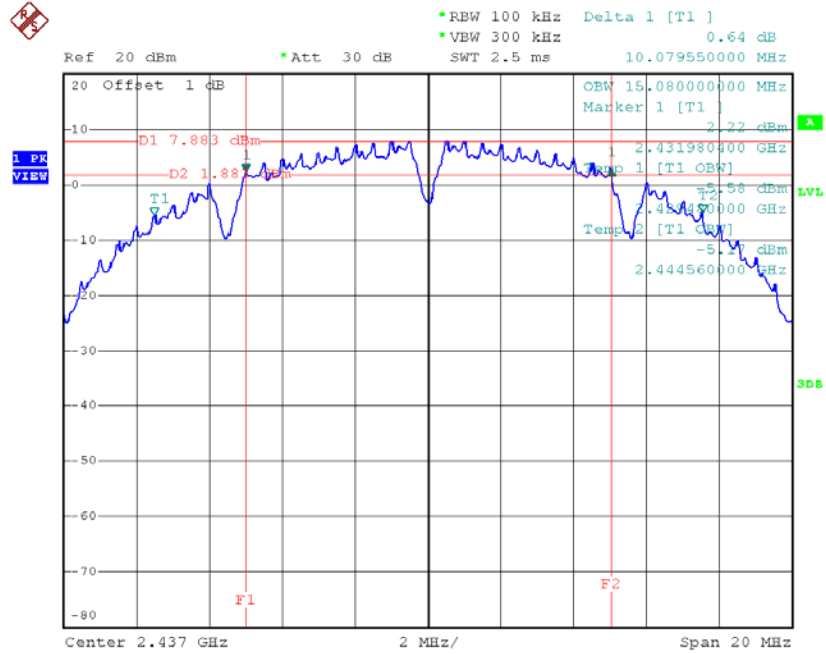
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.10	15.08	500	Complies
2437	10.08	15.08	500	Complies
2462	10.12	15.04	500	Complies

TX CH01



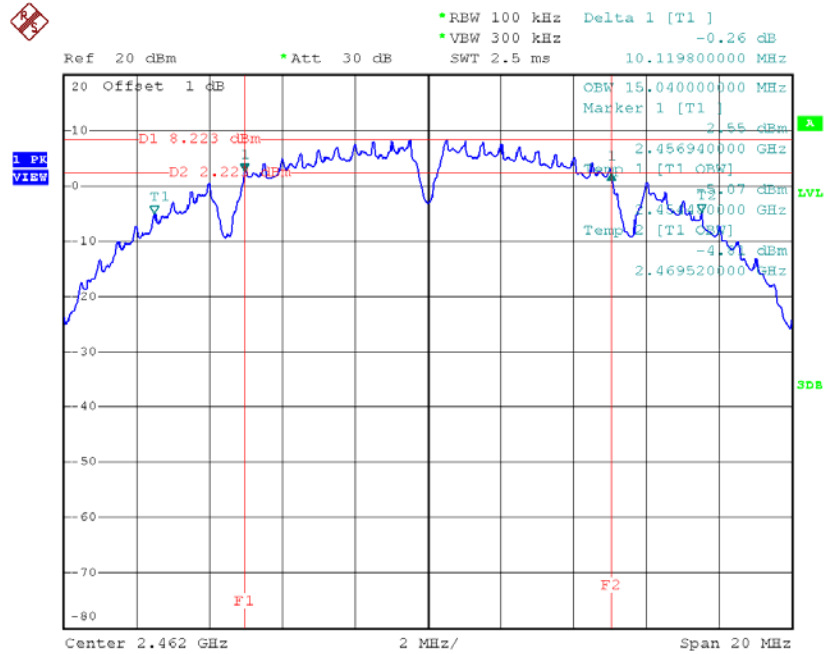
Date: 23.SEP.2016 19:49:07

### TX CH06



Date: 23.SEP.2016 19:50:57

### TX CH11



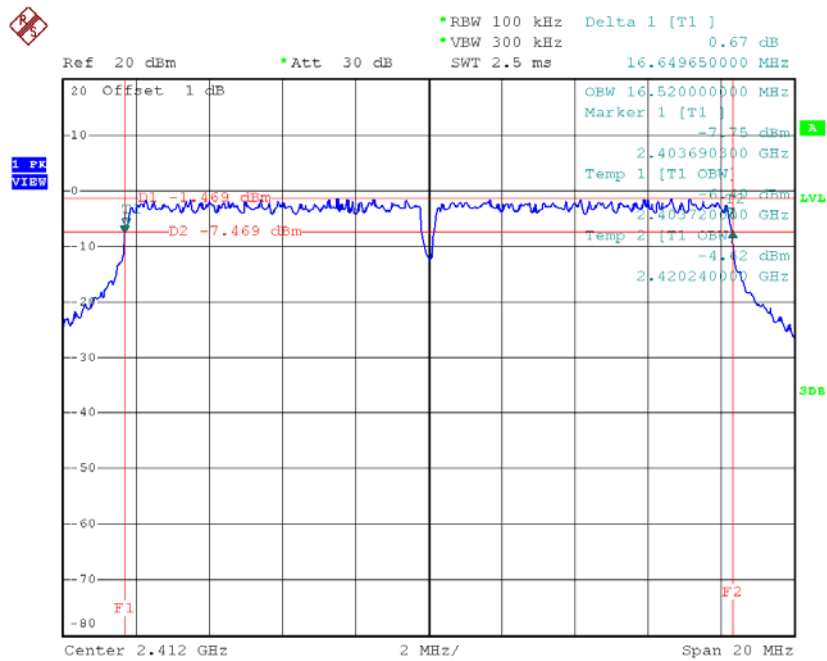
Date: 23.SEP.2016 19:52:16



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

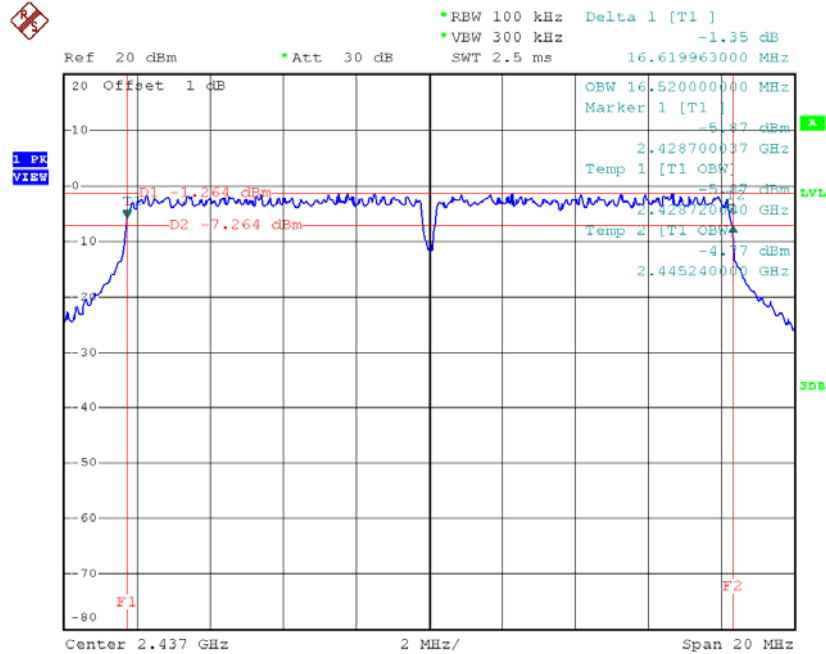
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.65	16.52	500	Complies
2437	16.62	16.52	500	Complies
2462	16.62	16.52	500	Complies

**TX CH01**



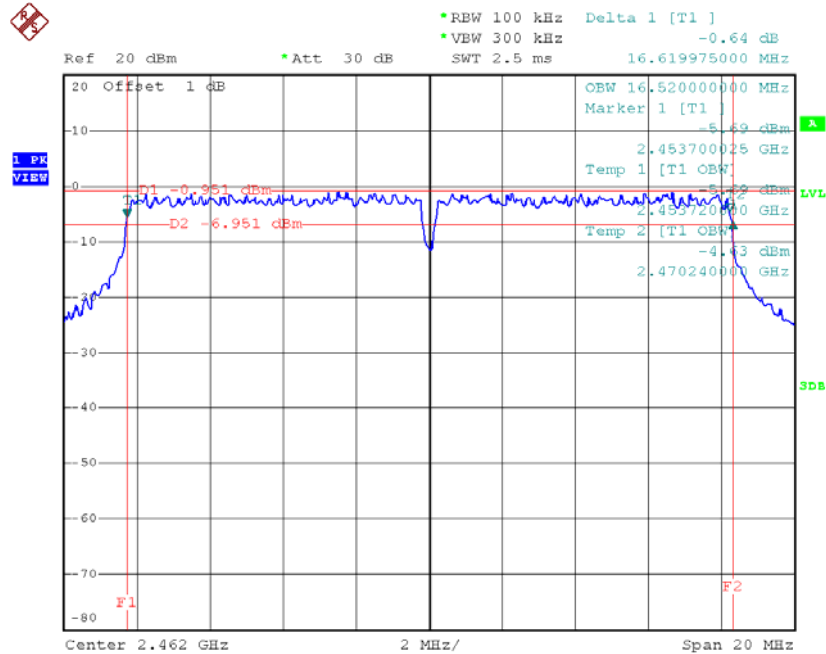
Date: 23.SEP.2016 19:54:19

### TX CH06



Date: 23.SEP.2016 19:55:43

### TX CH11

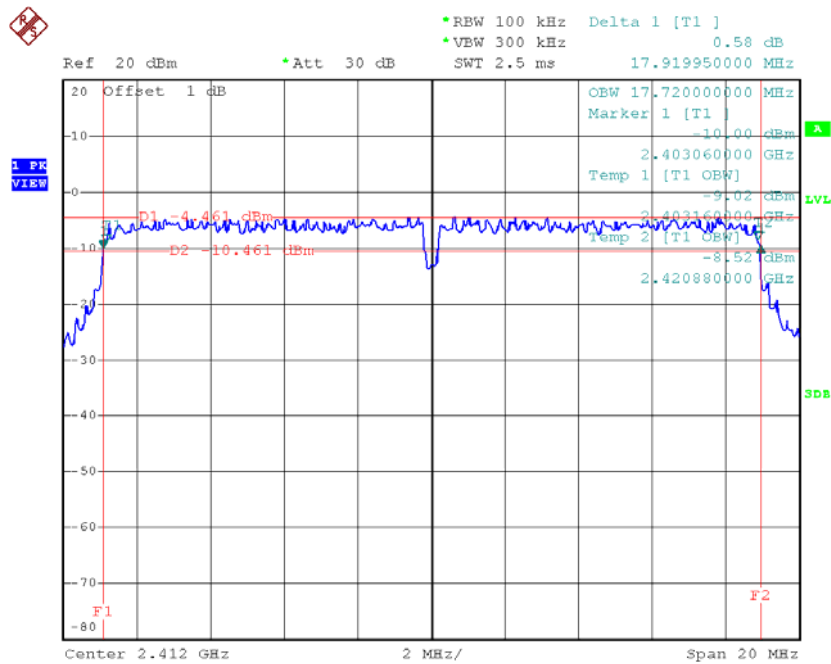


Date: 23.SEP.2016 19:57:26

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

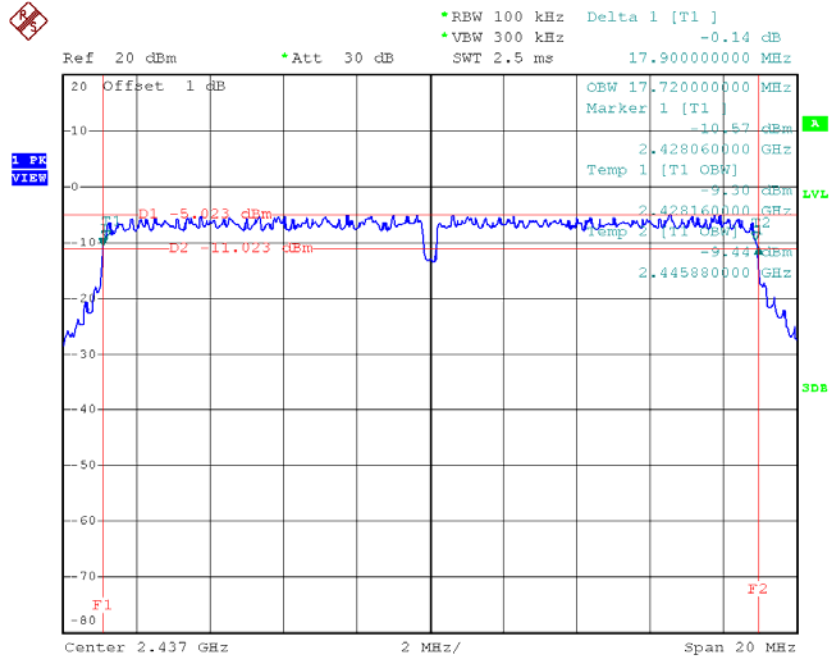
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.92	17.72	500	Complies
2437	17.90	17.72	500	Complies
2462	17.89	17.72	500	Complies

**TX CH01**



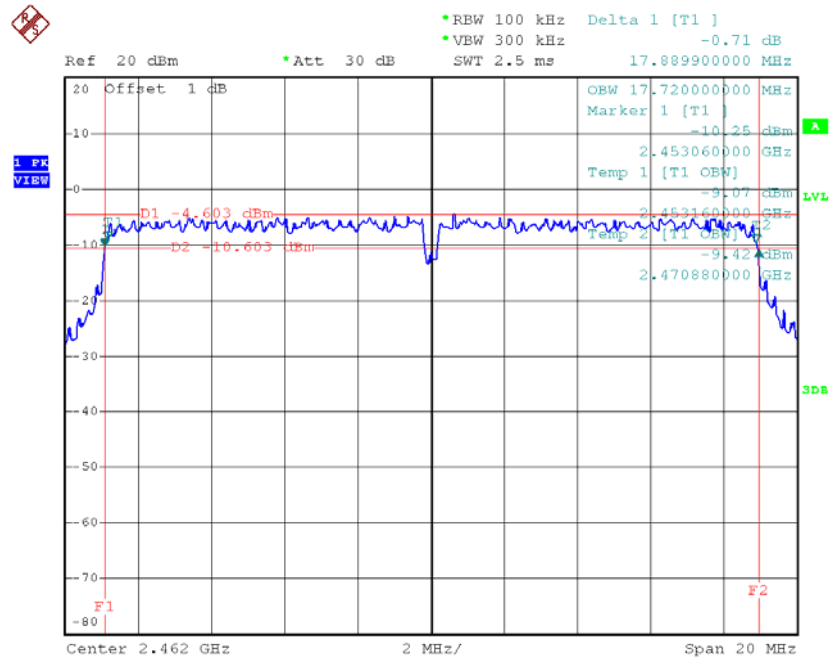
Date: 23.SEP.2016 19:59:02

### TX CH06



Date: 23.SEP.2016 20:01:43

### TX CH11

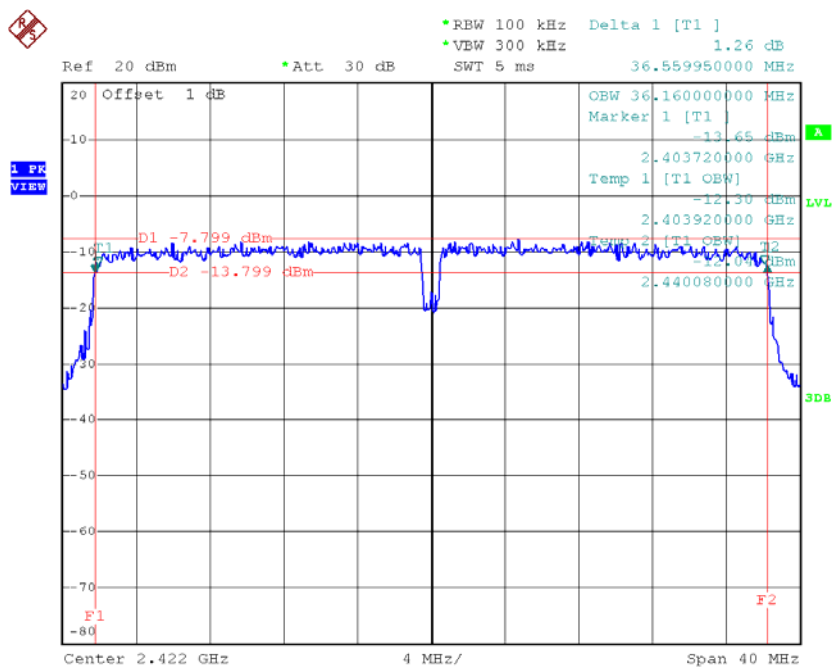


Date: 23.SEP.2016 20:02:51

Test Mode : TX N-40MHz Mode\_CH03/06/09

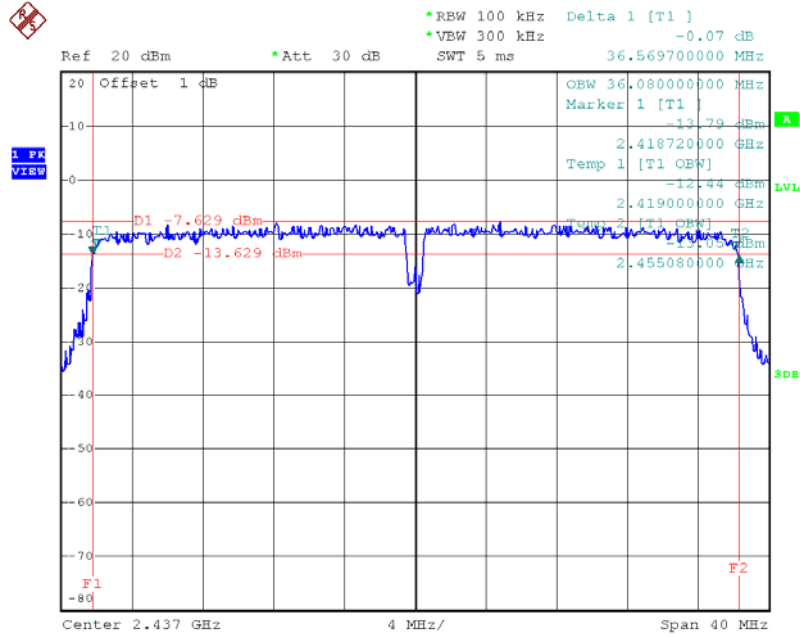
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.56	36.16	500	Complies
2437	36.57	36.08	500	Complies
2452	36.56	36.08	500	Complies

TX CH03



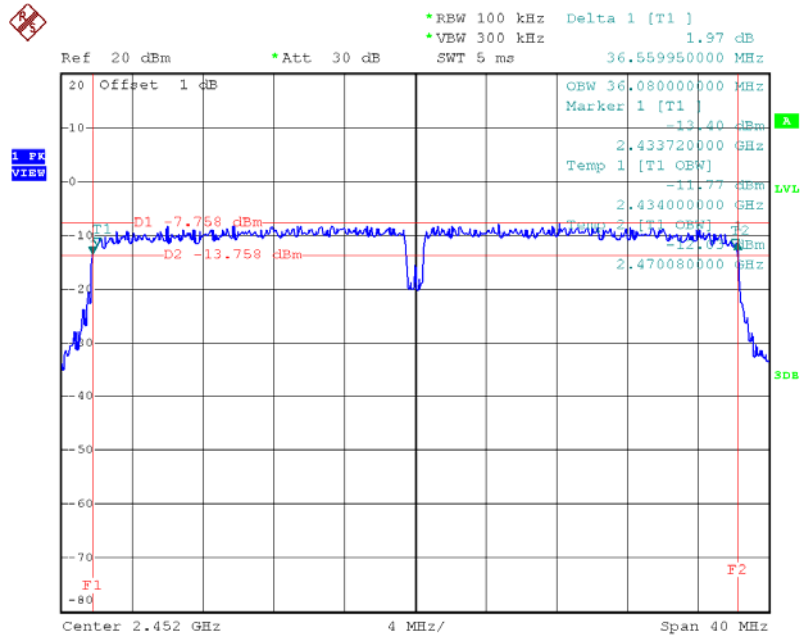
Date: 23.SEP.2016 20:04:32

### TX CH06



Date: 23.SEP.2016 20:05:57

### TX CH09



Date: 23.SEP.2016 20:07:16

## ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode :TX B Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.95	0.05	30.00	1.00	Complies
2437	16.85	0.05	30.00	1.00	Complies
2462	16.92	0.05	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.75	0.09	30.00	1.00	Complies
2437	19.63	0.09	30.00	1.00	Complies
2462	19.70	0.09	30.00	1.00	Complies



Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.32	0.07	30.00	1.00	Complies
2437	18.29	0.07	30.00	1.00	Complies
2462	18.51	0.07	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.86	0.08	30.00	1.00	Complies
2437	19.21	0.08	30.00	1.00	Complies
2462	19.30	0.09	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.61	0.14	30.00	1.00	Complies
2437	21.78	0.15	30.00	1.00	Complies
2462	21.93	0.16	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	18.52	0.07	30.00	1.00	Complies
2437	18.35	0.07	30.00	1.00	Complies
2452	18.45	0.07	30.00	1.00	Complies

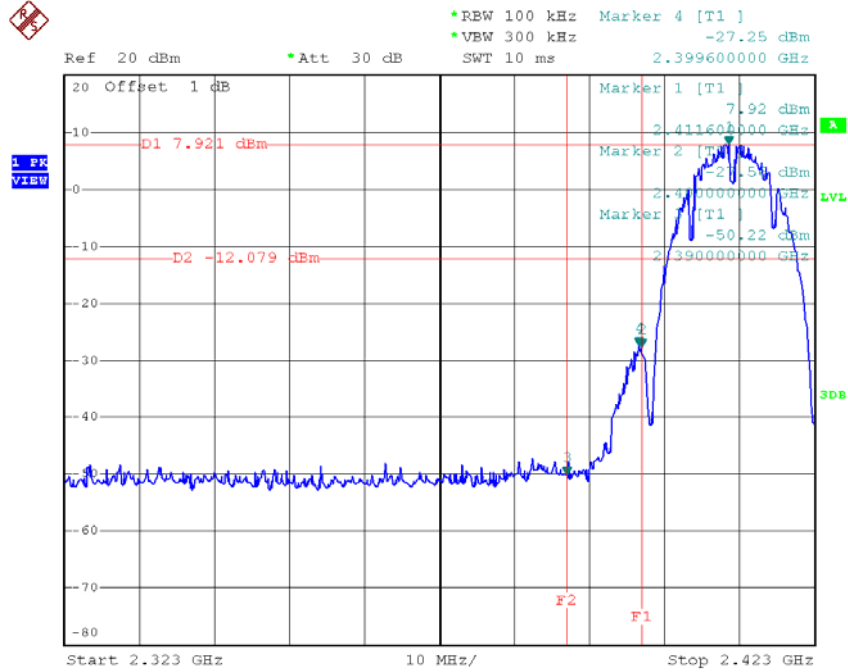
Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	18.74	0.07	30.00	1.00	Complies
2437	18.96	0.08	30.00	1.00	Complies
2452	18.85	0.08	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	21.64	0.15	30.00	1.00	Complies
2437	21.68	0.15	30.00	1.00	Complies
2452	21.66	0.15	30.00	1.00	Complies

## ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

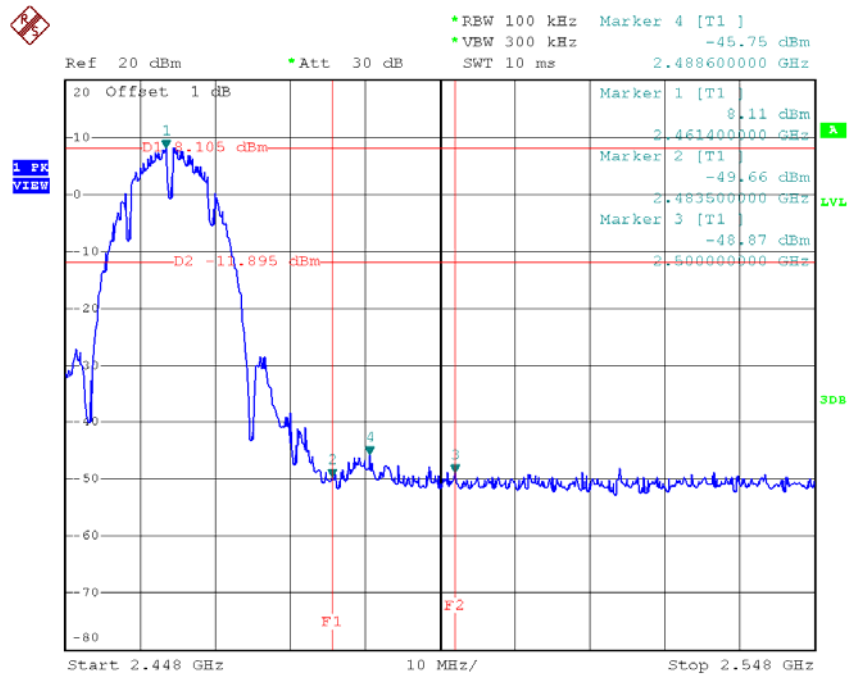
Test Mode : TX B Mode

### TX B mode CH01



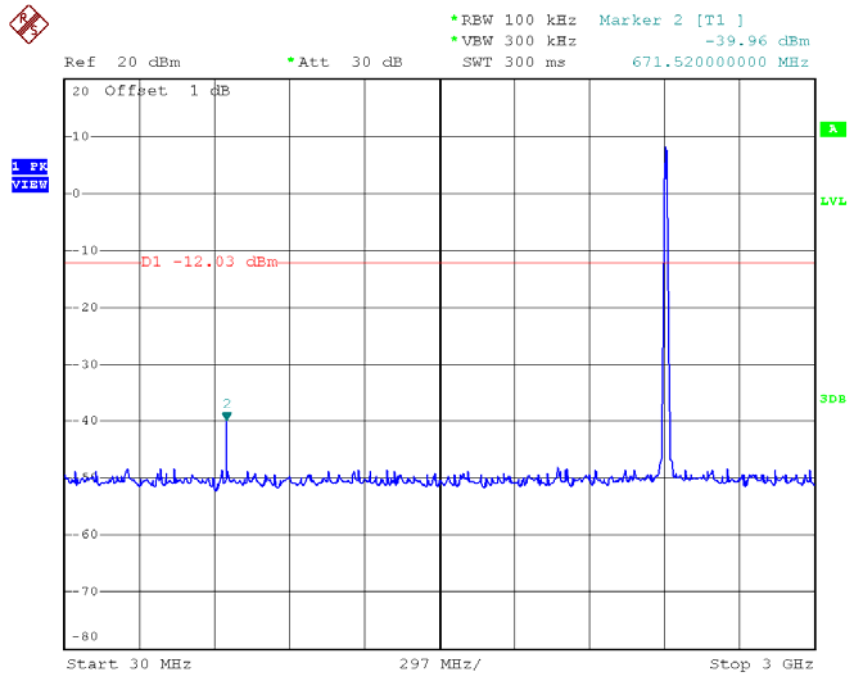
Date: 23.SEP.2016 19:49:45

### TX B mode CH11

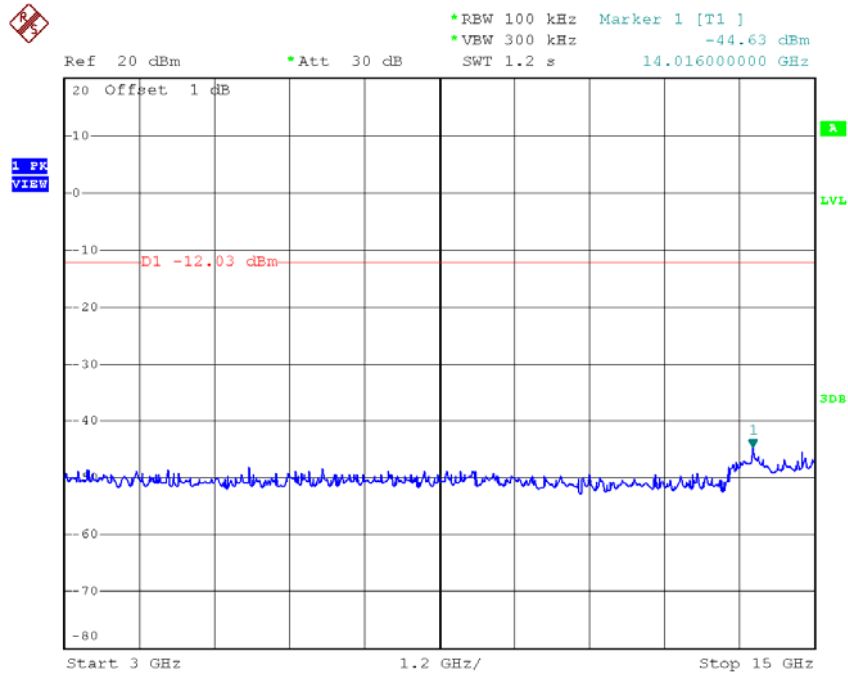


Date: 23.SEP.2016 19:52:55

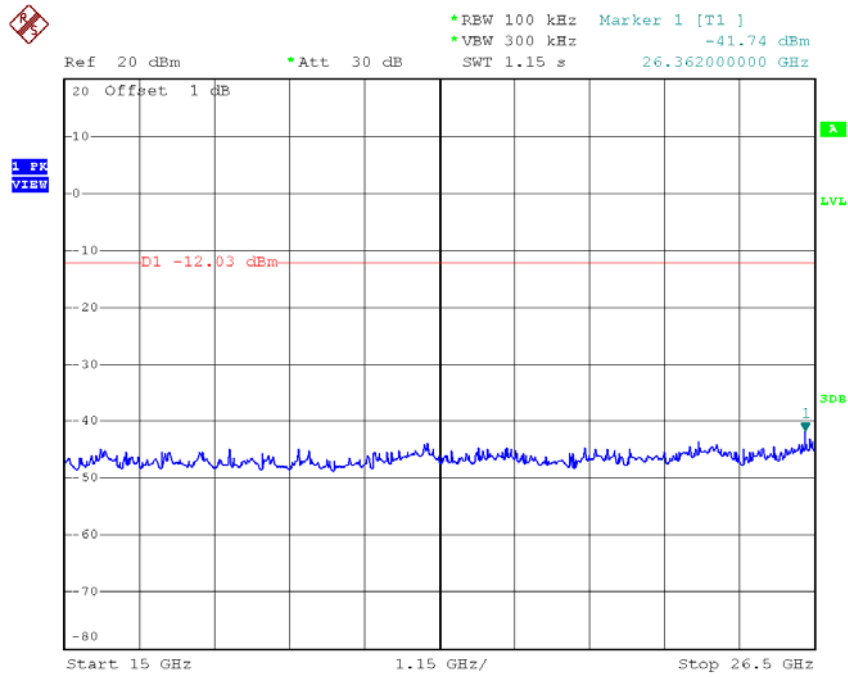
### TX B mode CH01 (10 Harmonic of the frequency)



Date: 23.SEP.2016 19:49:20

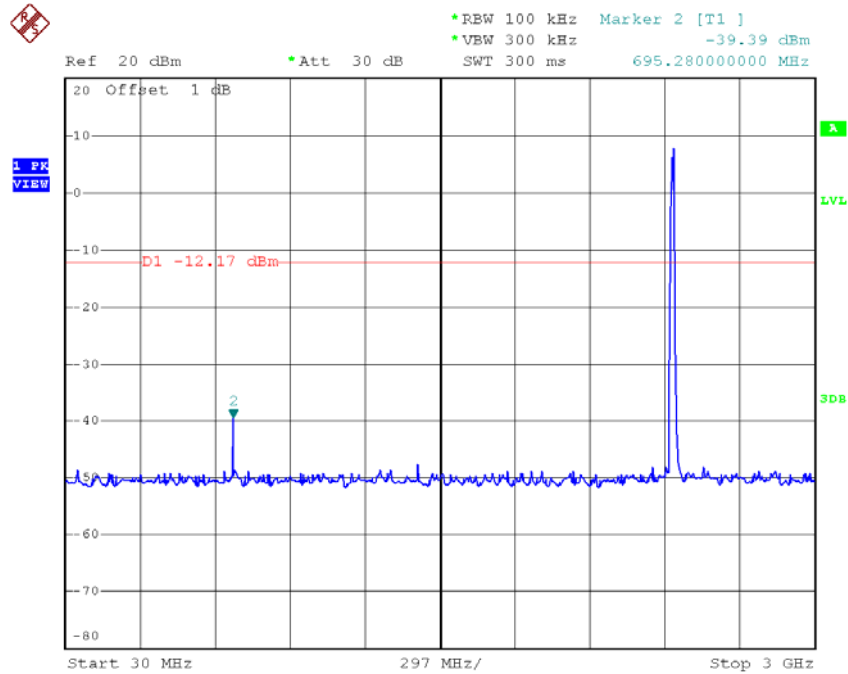


Date: 23.SEP.2016 19:49:29

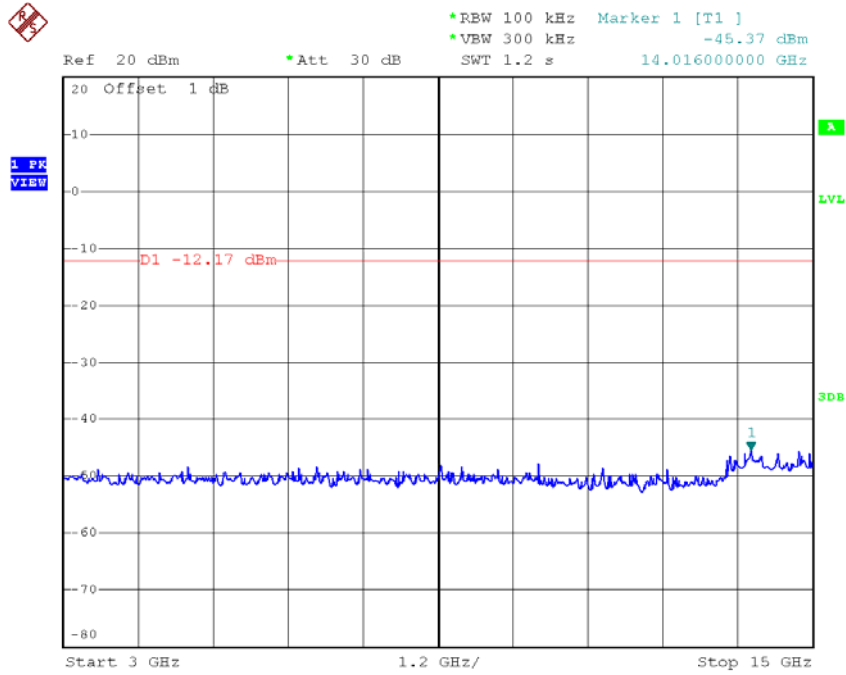


Date: 23.SEP.2016 19:49:37

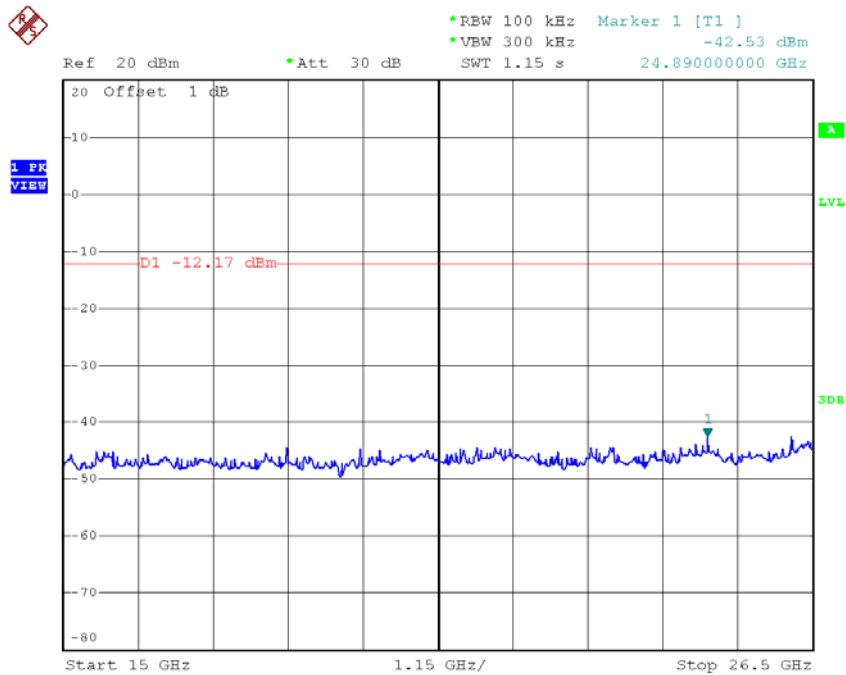
### TX B mode CH06 (10 Harmonic of the frequency)



Date: 23.SEP.2016 19:51:11

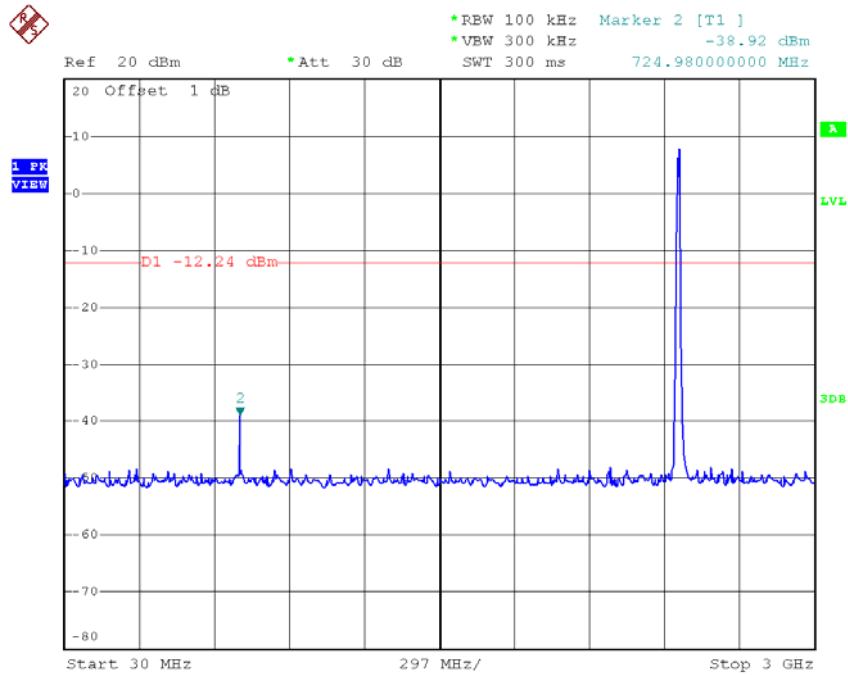


Date: 23.SEP.2016 19:51:19

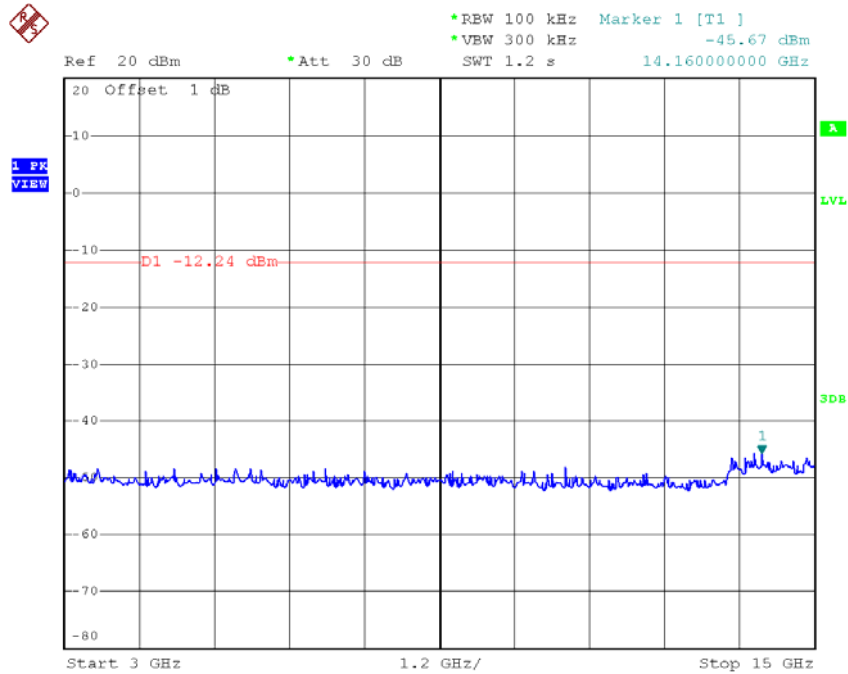


Date: 23.SEP.2016 19:51:27

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

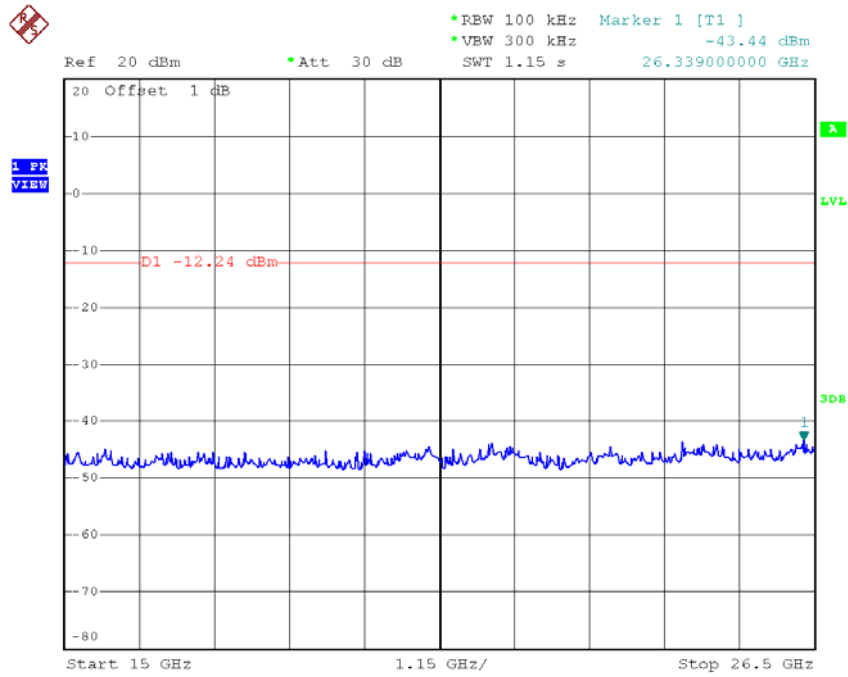


Date: 23.SEP.2016 19:52:31



Date: 23.SEP.2016 19:52:39

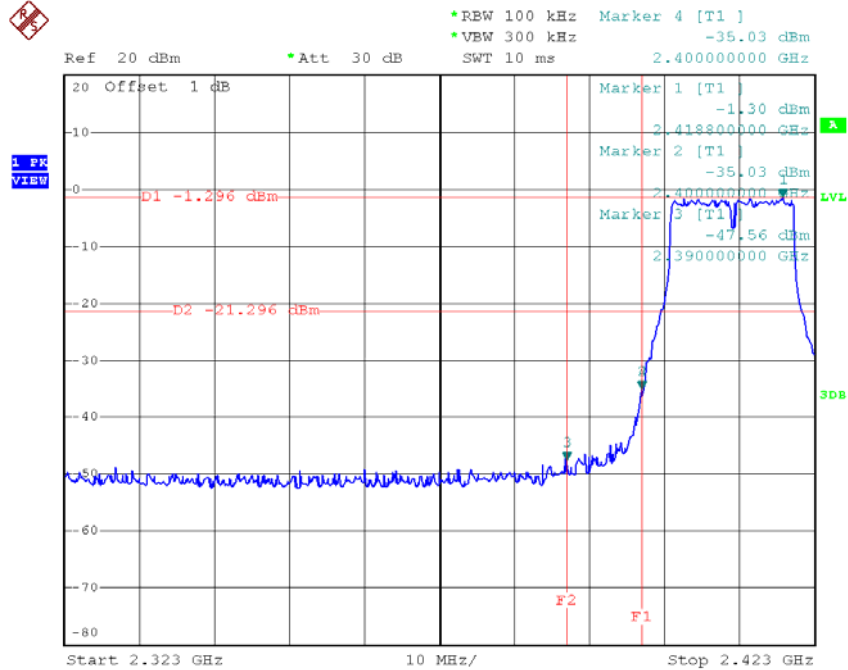




Date: 23.SEP.2016 19:52:48

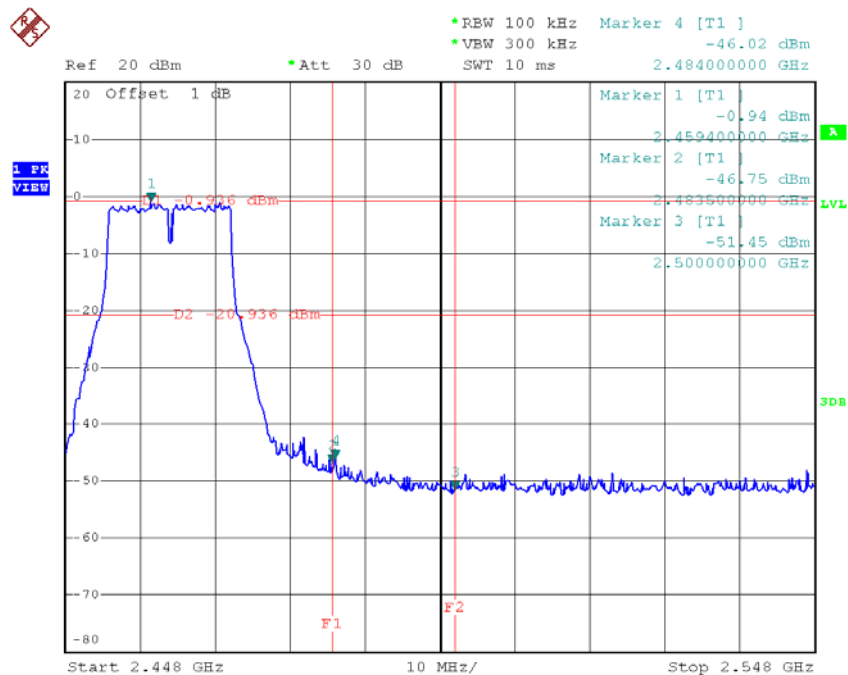
Test Mode : TX G Mode

### TX G mode CH01



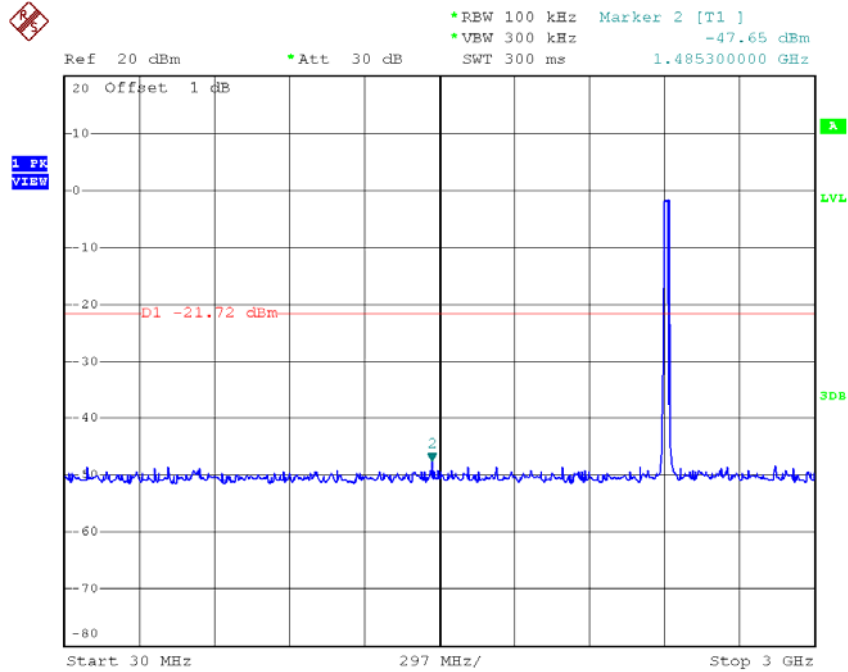
Date: 23.SEP.2016 19:54:57

### TX G mode CH11

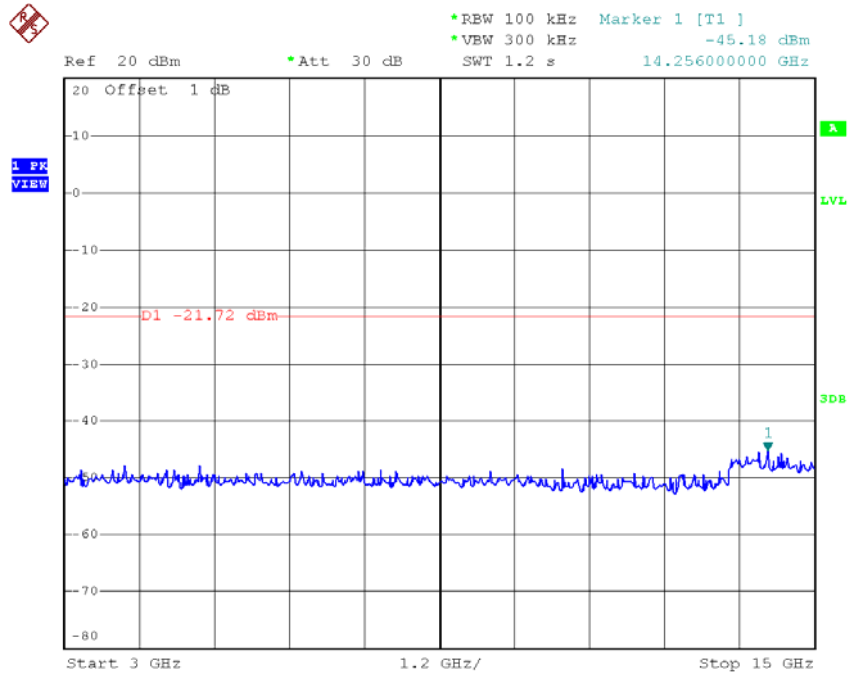


Date: 23.SEP.2016 19:58:05

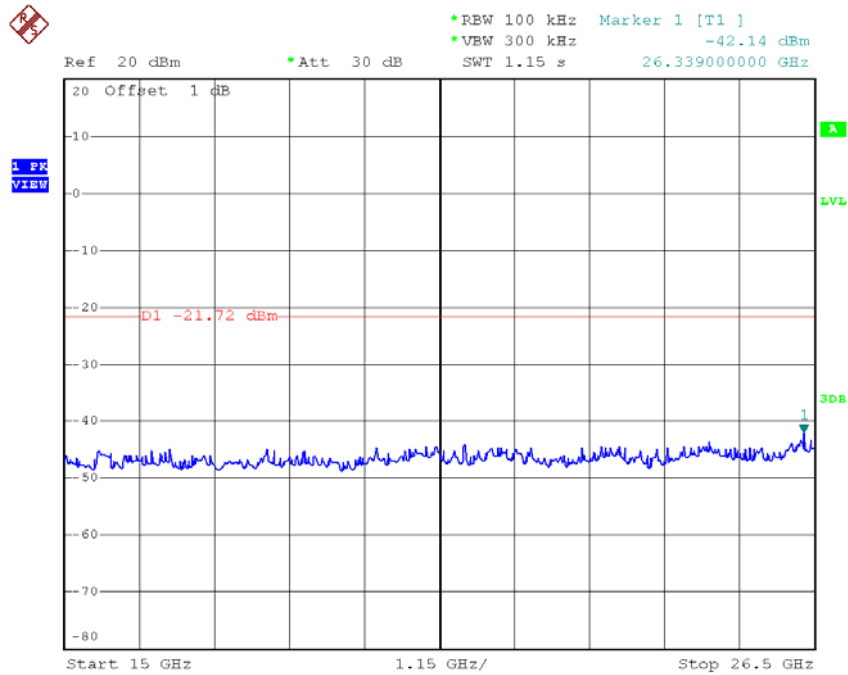
### TX G mode CH01 (10 Harmonic of the frequency)



Date: 23.SEP.2016 19:54:33

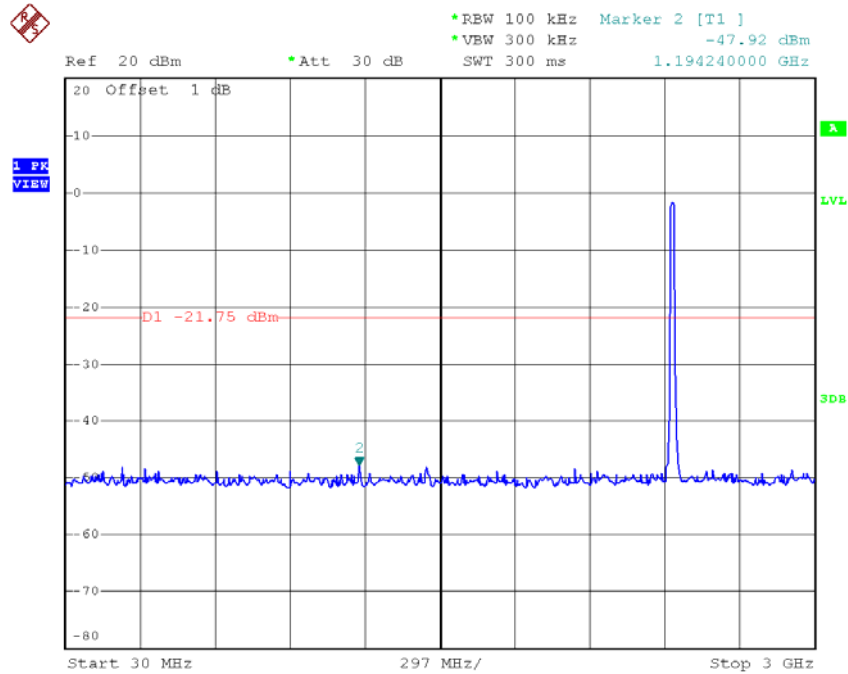


Date: 23.SEP.2016 19:54:42

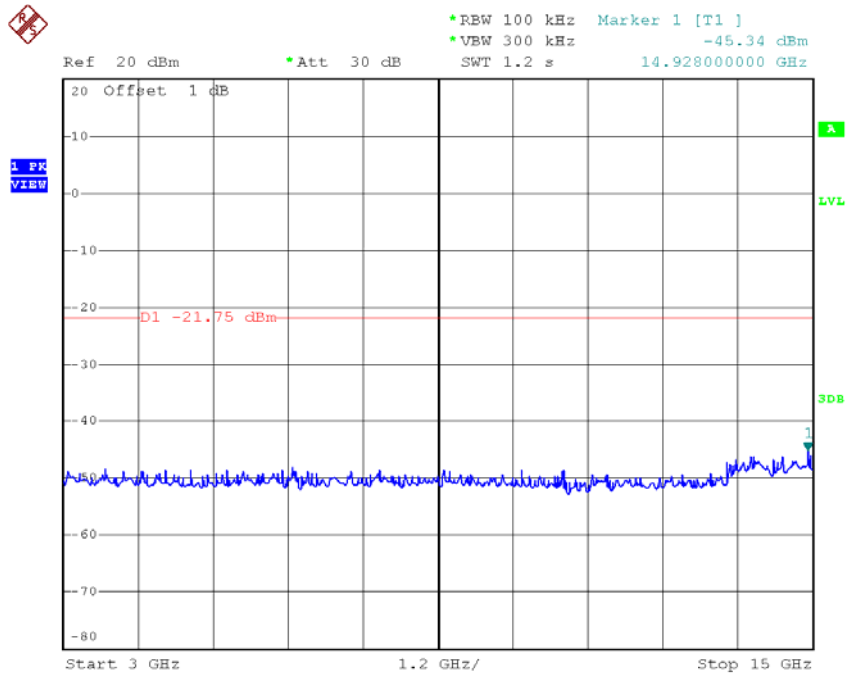


Date: 23.SEP.2016 19:54:50

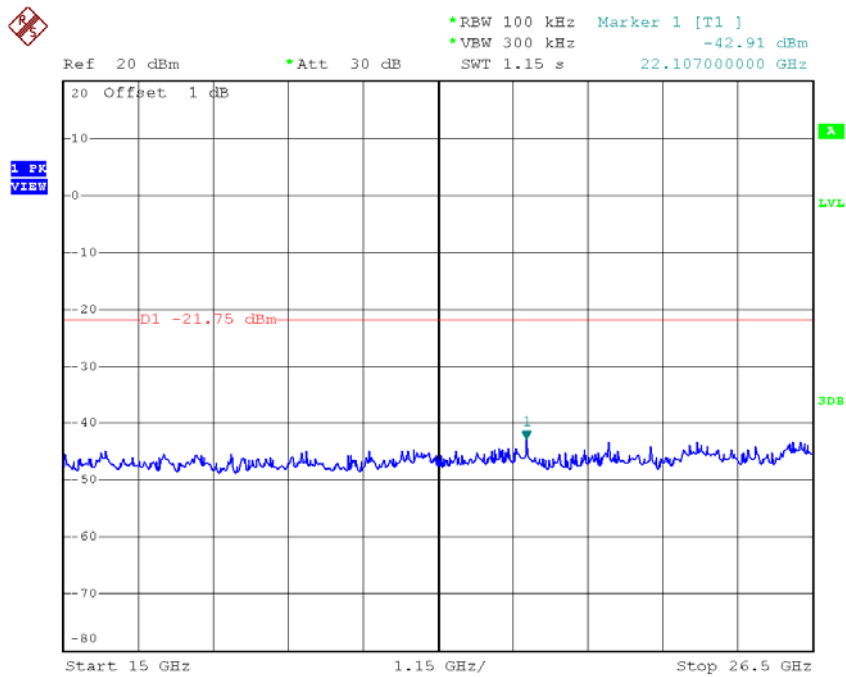
### TX G mode CH06 (10 Harmonic of the frequency)



Date: 23.SEP.2016 19:55:56

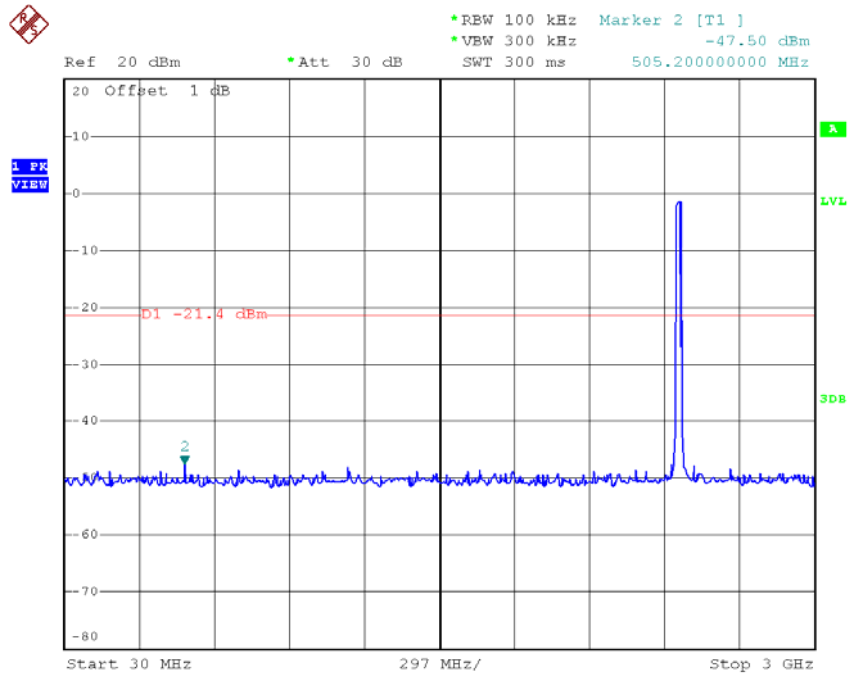


Date: 23.SEP.2016 19:56:05

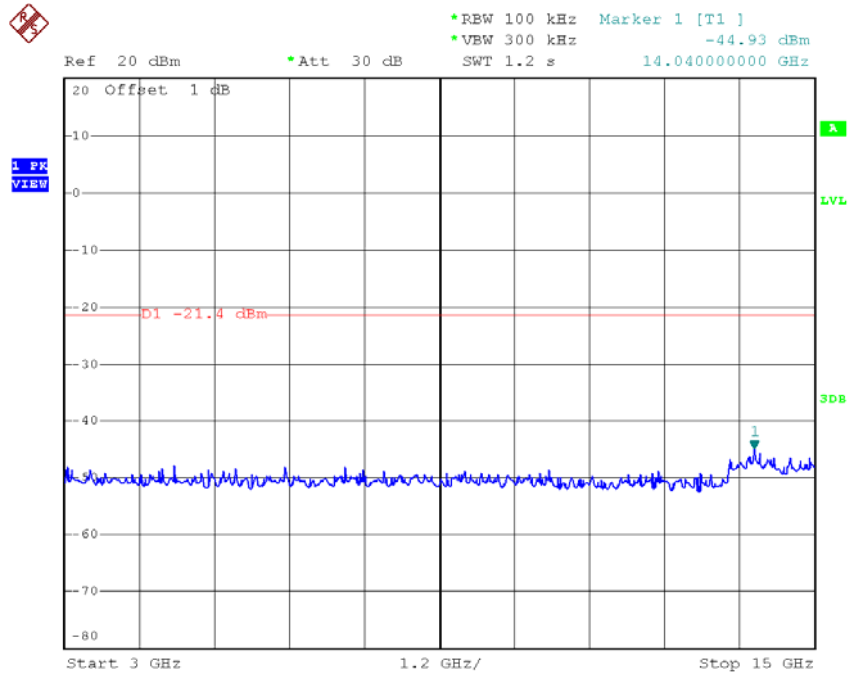


Date: 23.SEP.2016 19:56:13

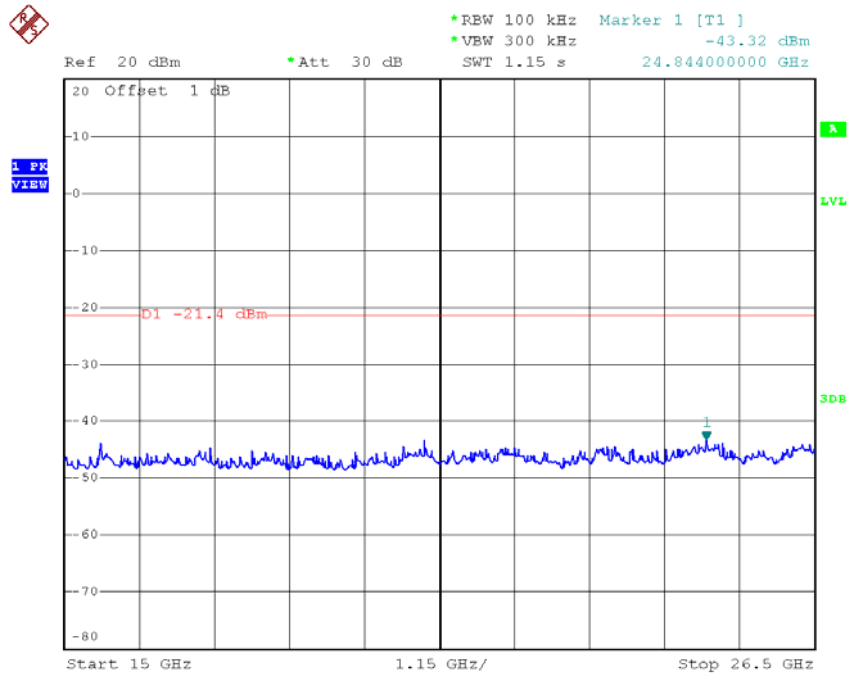
### TX G mode CH11 (10 Harmonic of the frequency)



Date: 23.SEP.2016 19:57:41



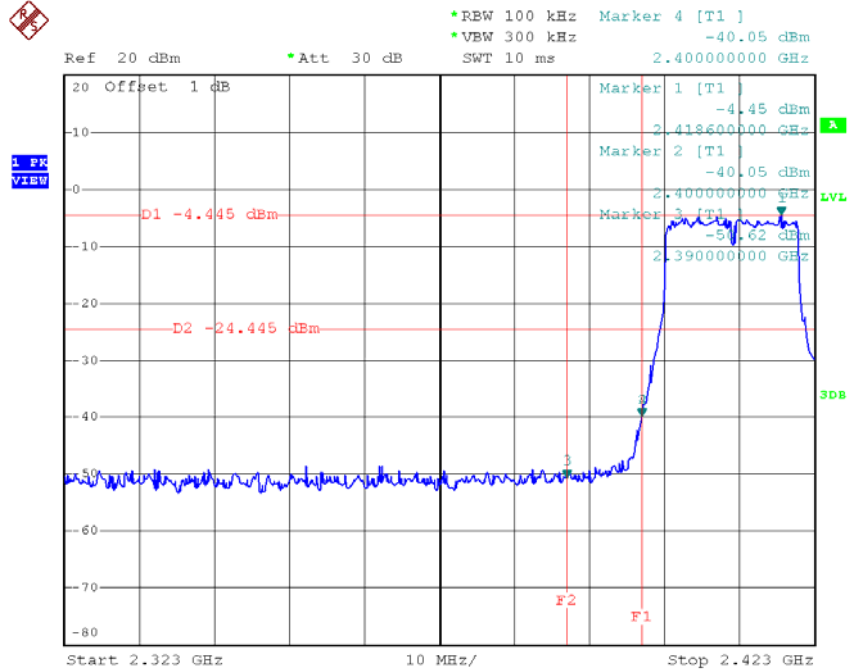
Date: 23.SEP.2016 19:57:49



Date: 23.SEP.2016 19:57:57

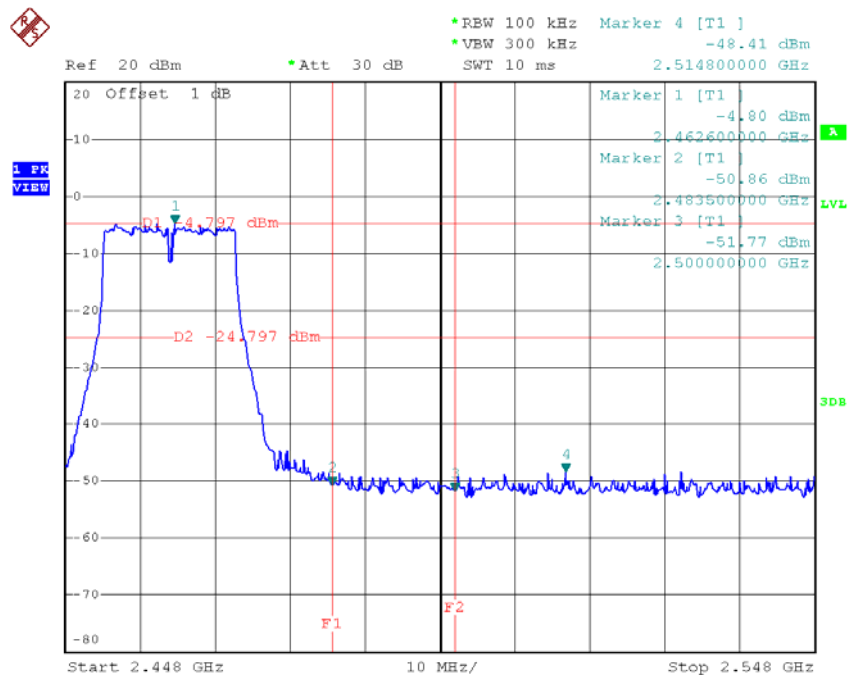
Test Mode : TX N-20M Mode\_ANT 1

### TX HT20 mode CH01



Date: 23.SEP.2016 19:59:41

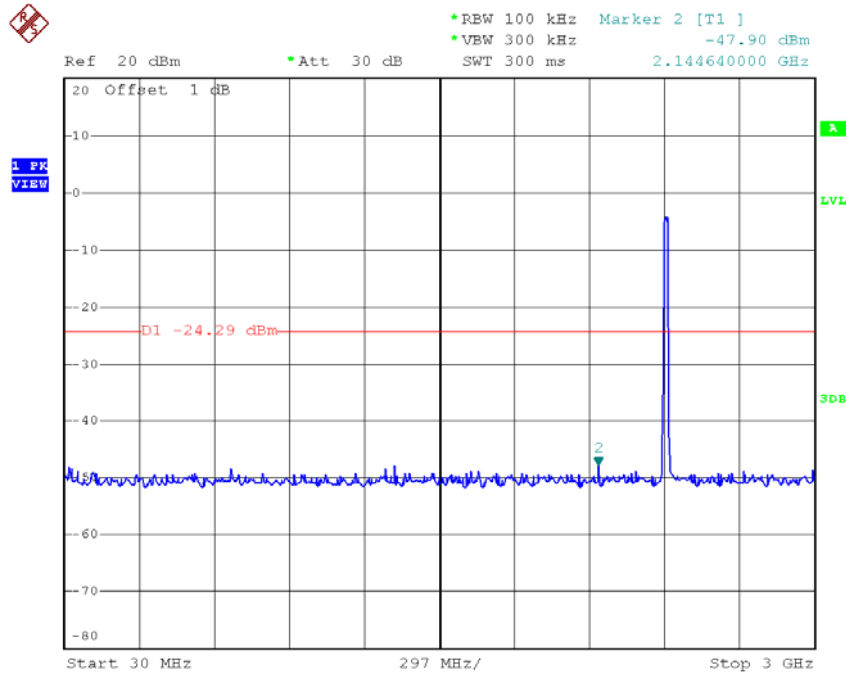
### TX HT20 mode CH11



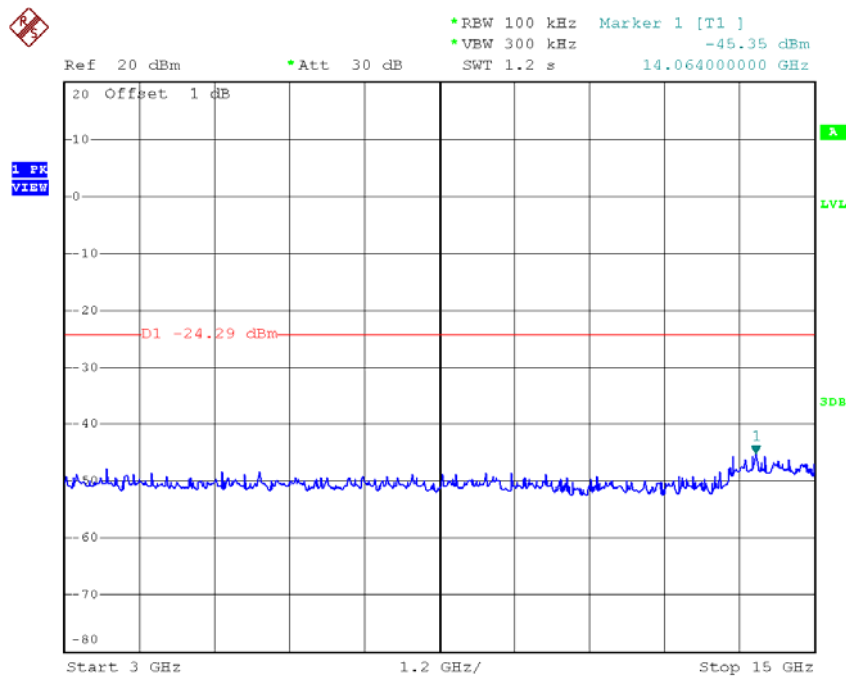
Date: 23.SEP.2016 20:03:30



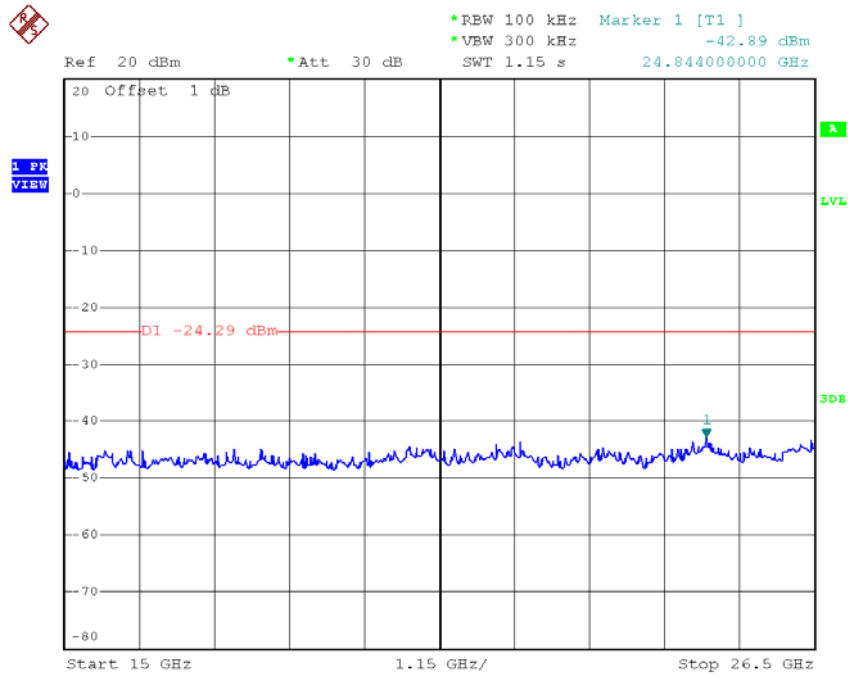
### TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 23.SEP.2016 19:59:16

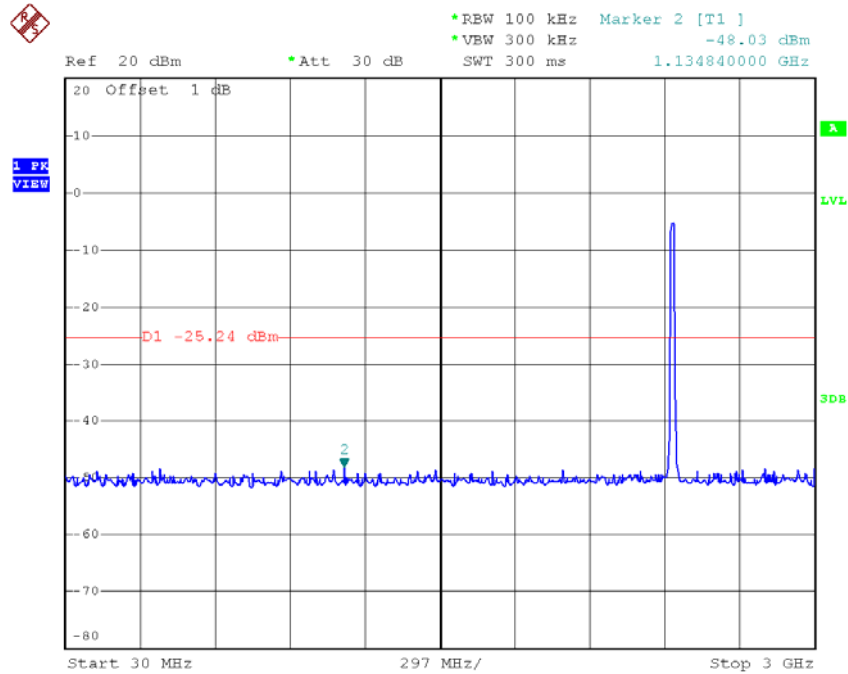


Date: 23.SEP.2016 19:59:24

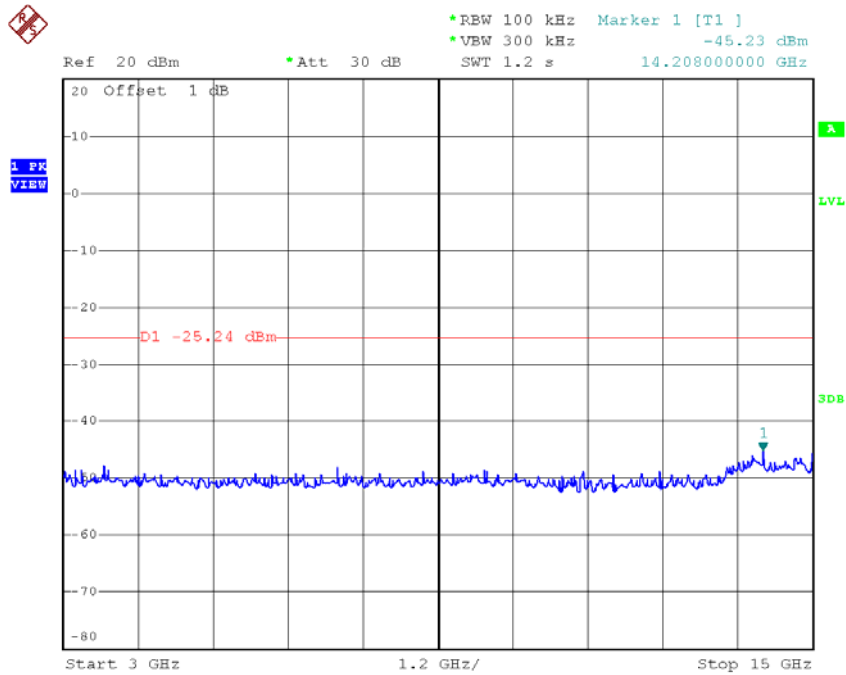


Date: 23.SEP.2016 19:59:33

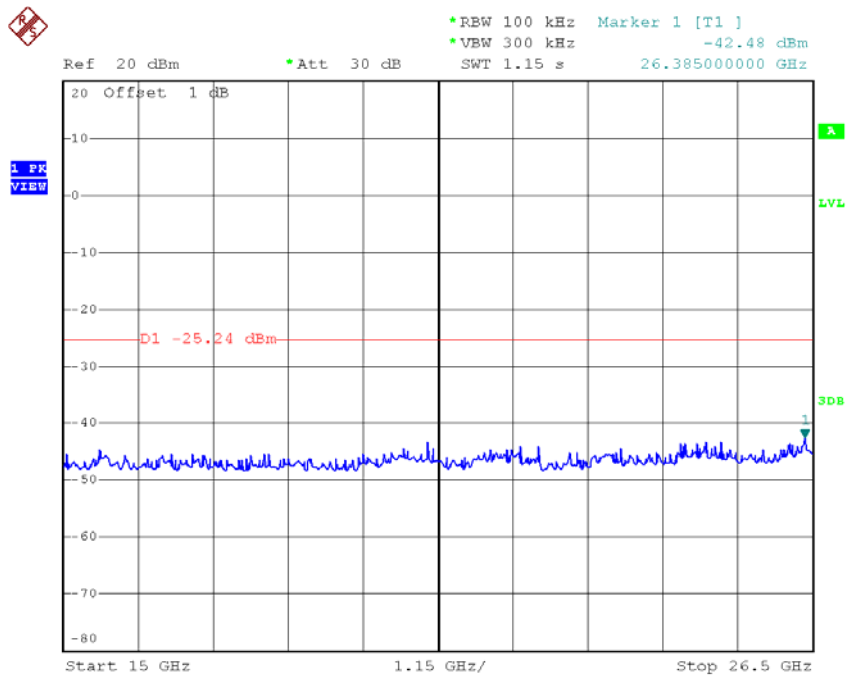
### TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 23.SEP.2016 20:01:57

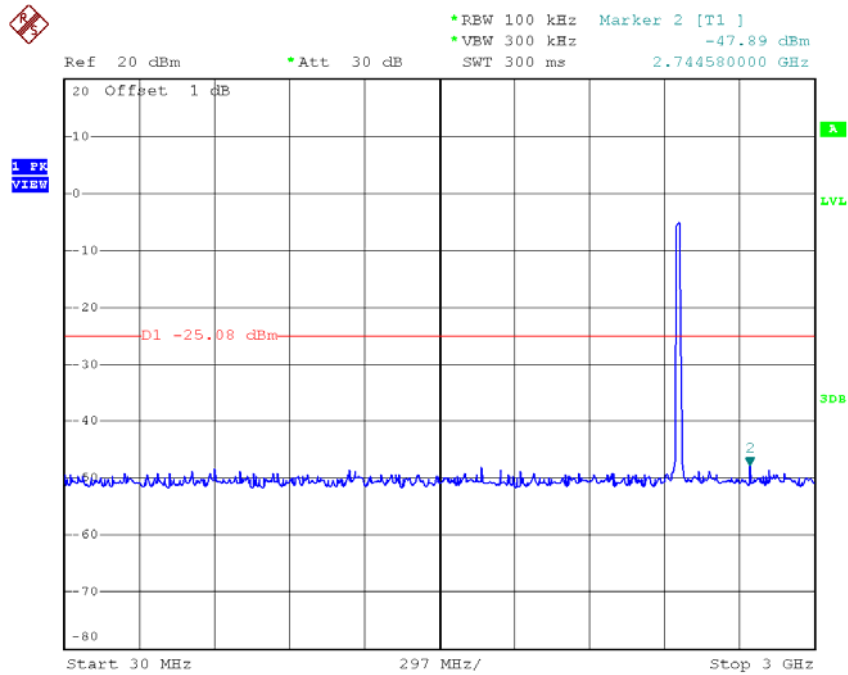


Date: 23.SEP.2016 20:02:06

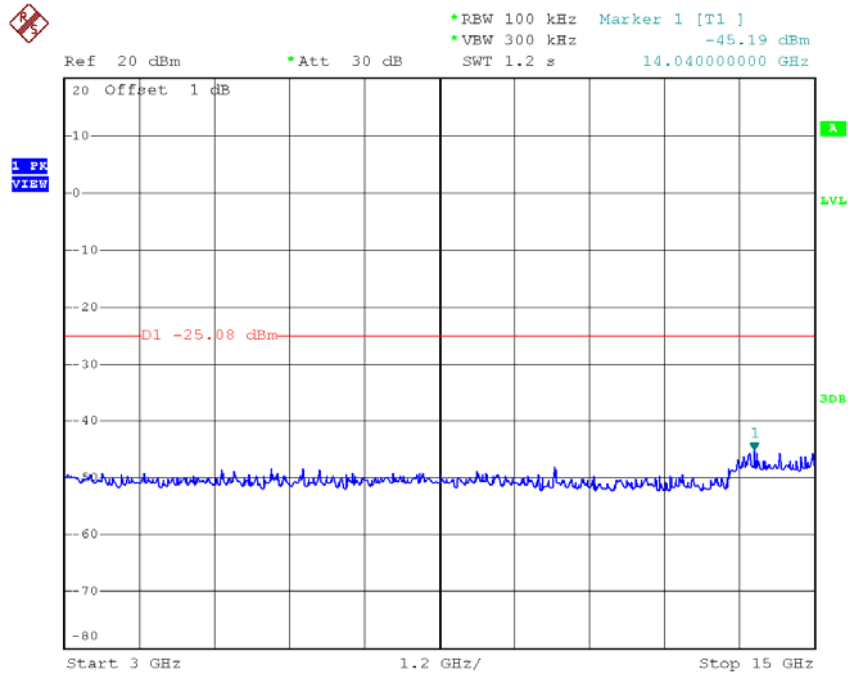


Date: 23.SEP.2016 20:02:14

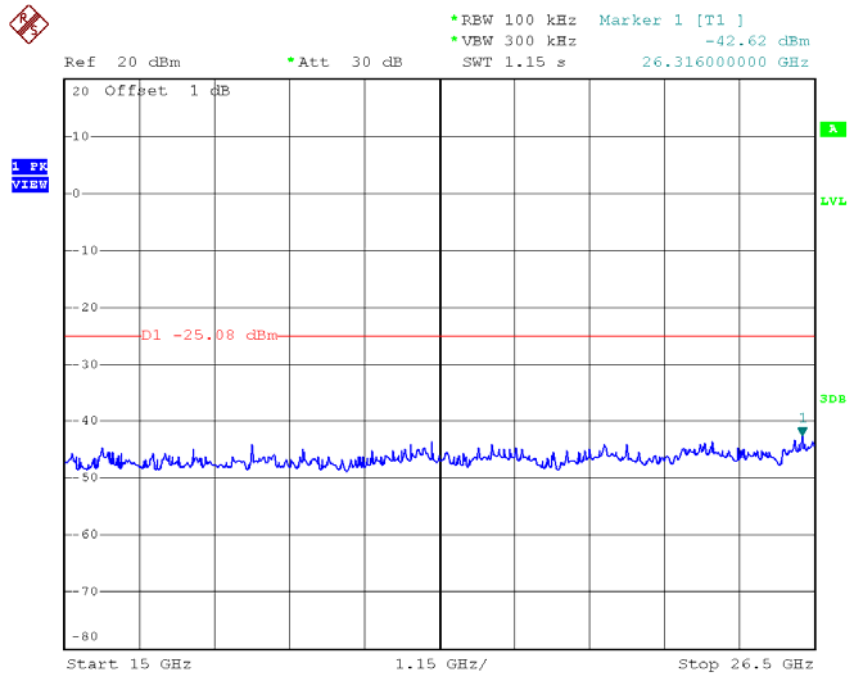
### TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 23.SEP.2016 20:03:05



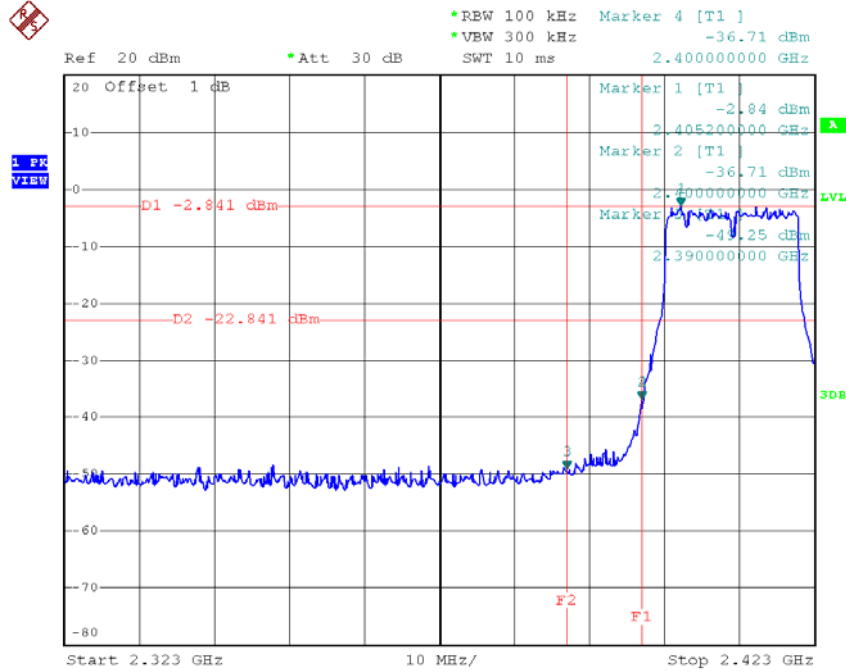
Date: 23.SEP.2016 20:03:14



Date: 23.SEP.2016 20:03:22

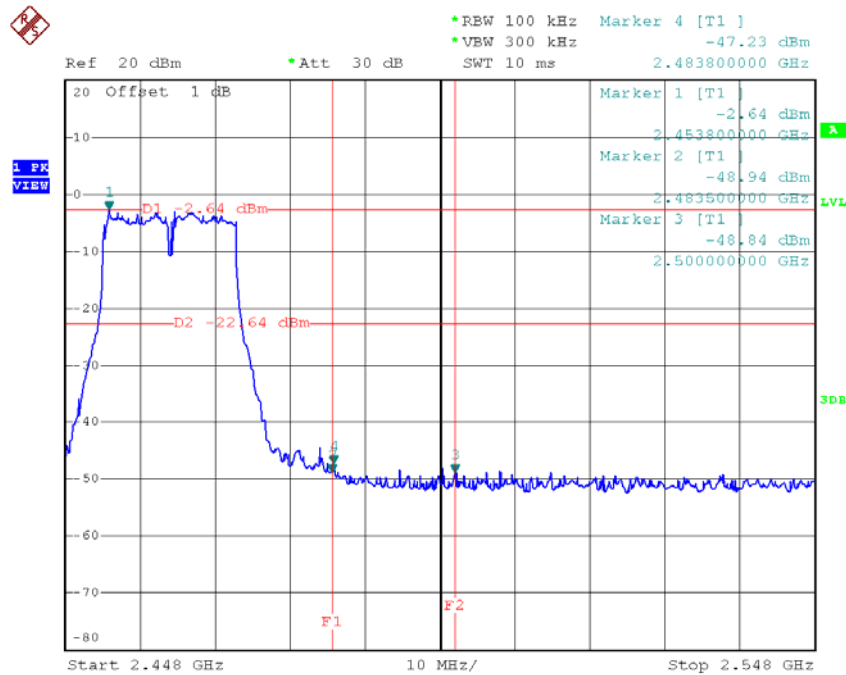
Test Mode : TX N-20M Mode\_ANT 2

### TX HT20 mode CH01



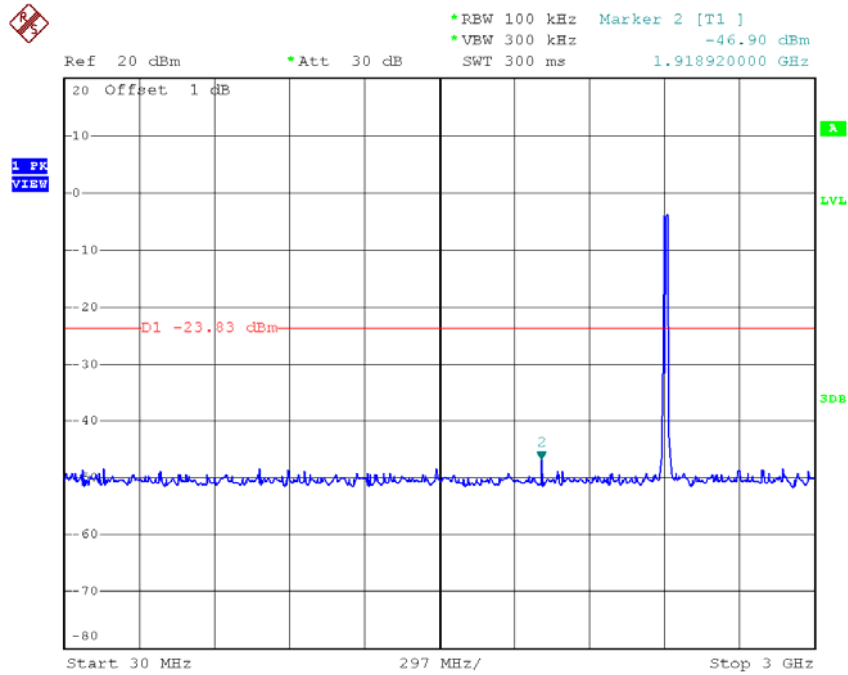
Date: 23.SEP.2016 20:17:44

### TX HT20 mode CH11

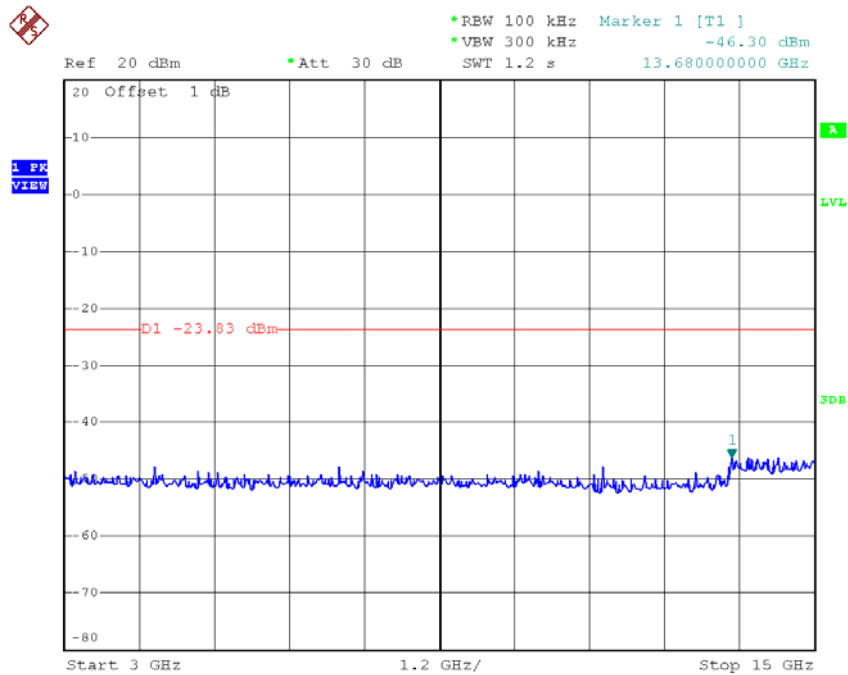


Date: 23.SEP.2016 20:20:00

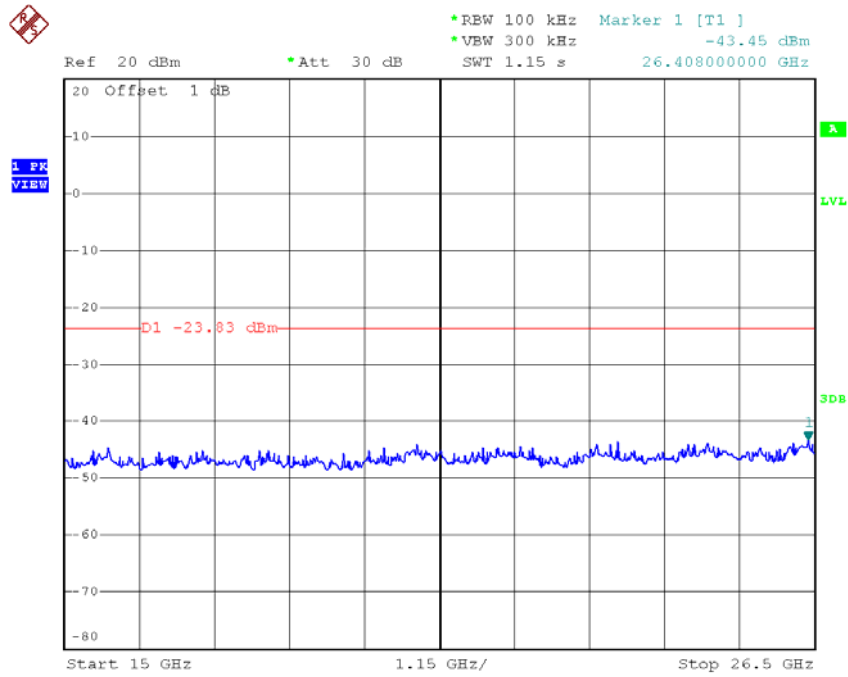
### TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 23.SEP.2016 20:17:22

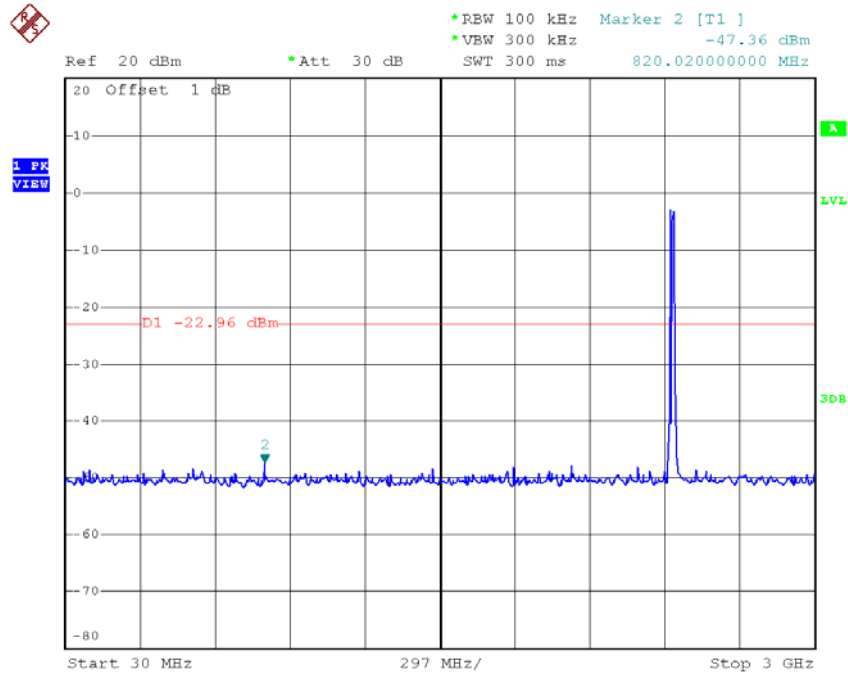


Date: 23.SEP.2016 20:17:29



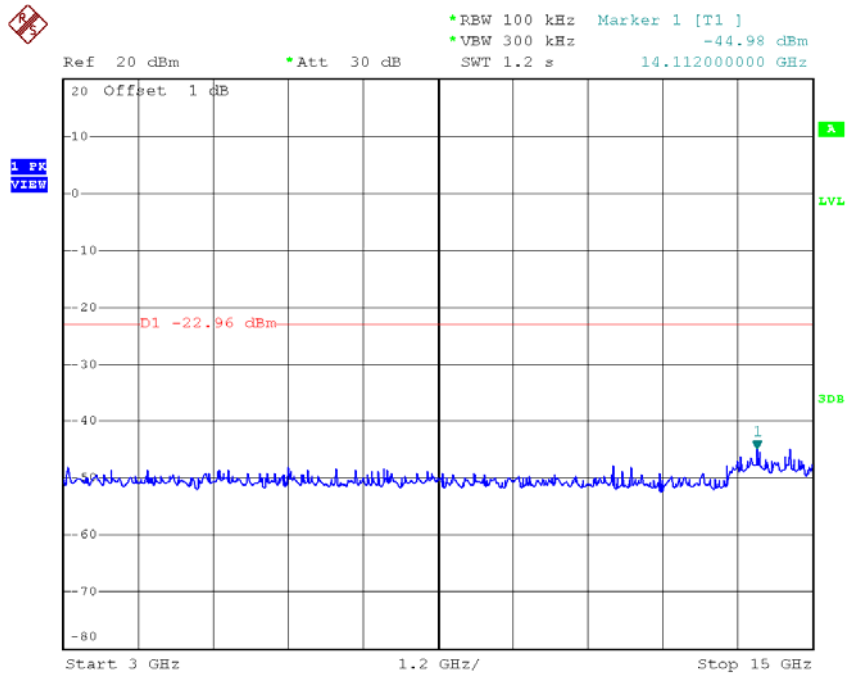
Date: 23.SEP.2016 20:17:36

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

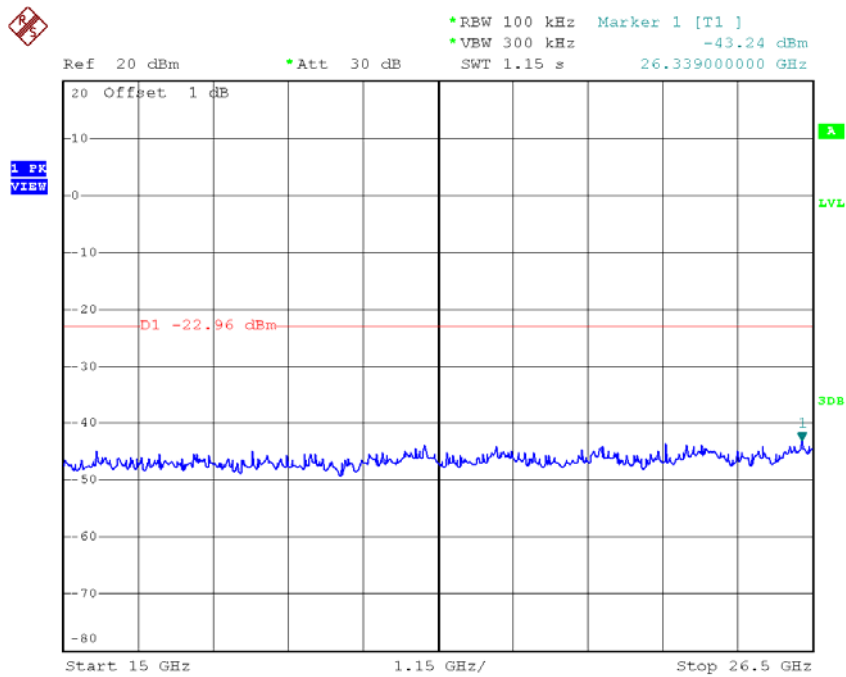


Date: 23.SEP.2016 20:18:33



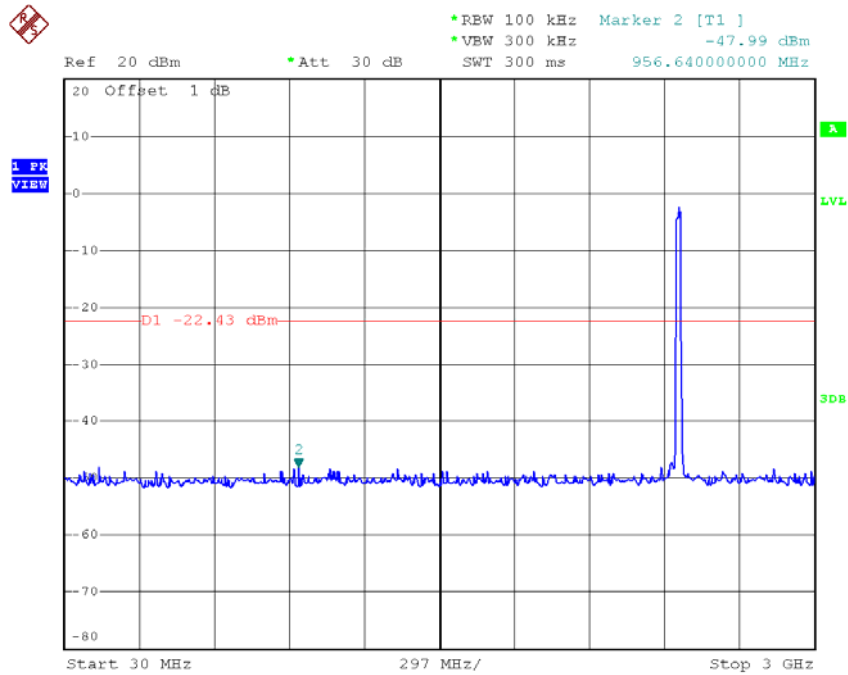


Date: 23.SEP.2016 20:18:40

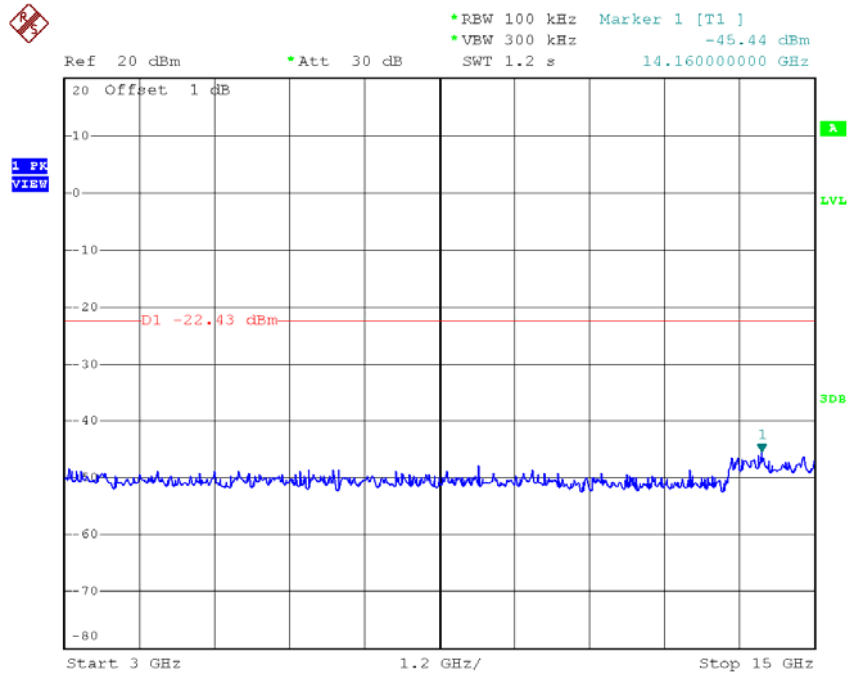


Date: 23.SEP.2016 20:18:47

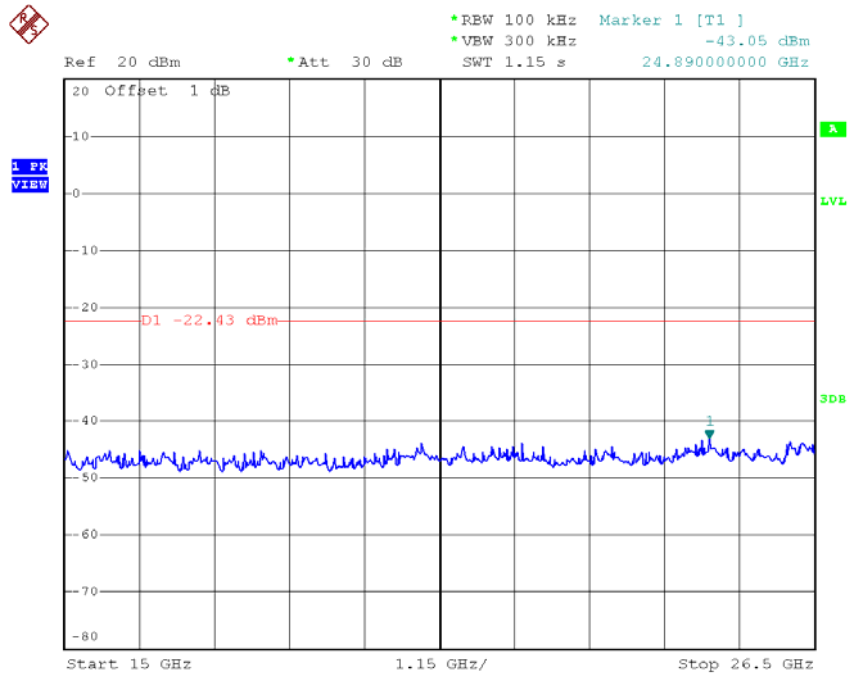
### TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 23.SEP.2016 20:19:39



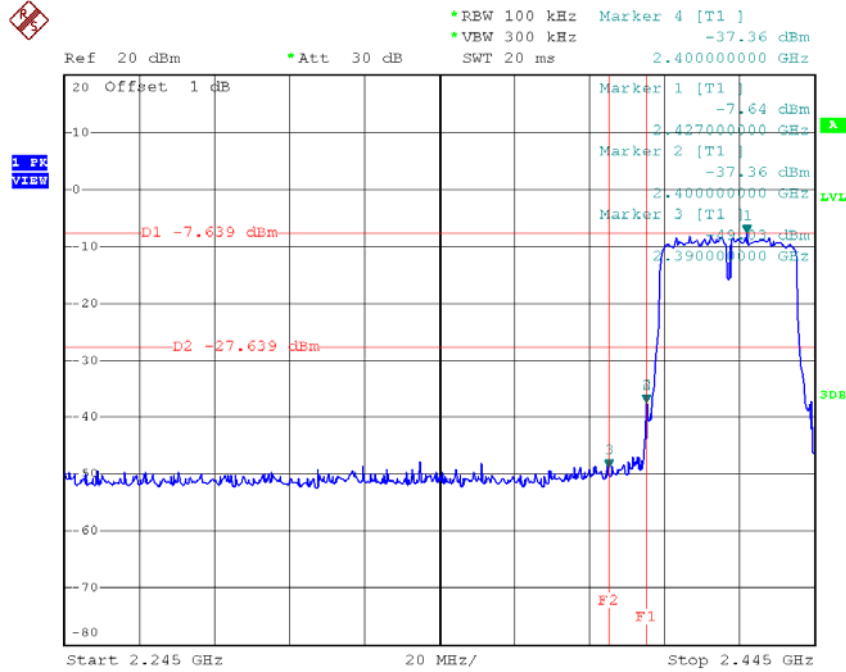
Date: 23.SEP.2016 20:19:46



Date: 23.SEP.2016 20:19:53

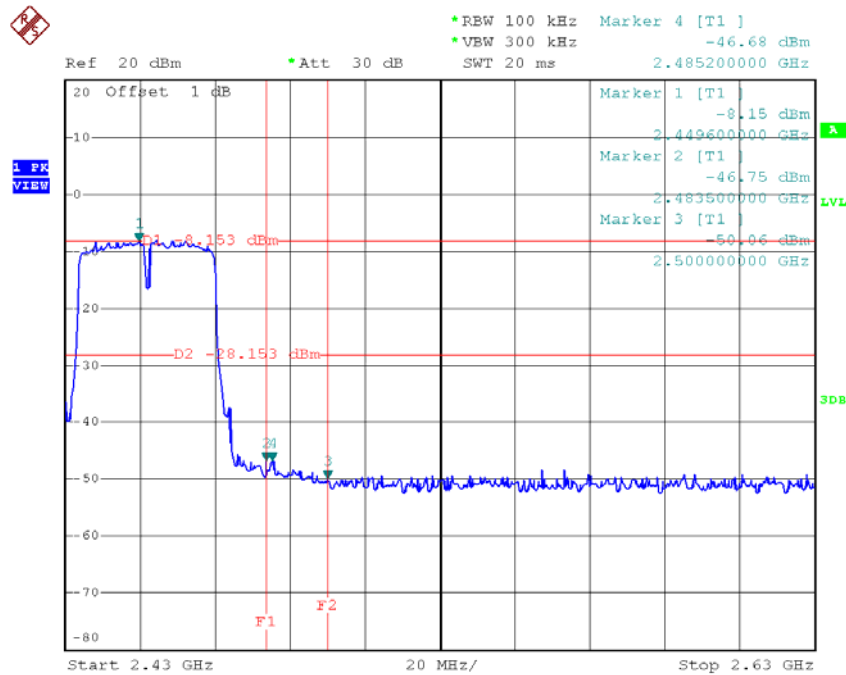
Test Mode : TX N-40M Mode\_ANT 1

**TX HT40 mode CH03**



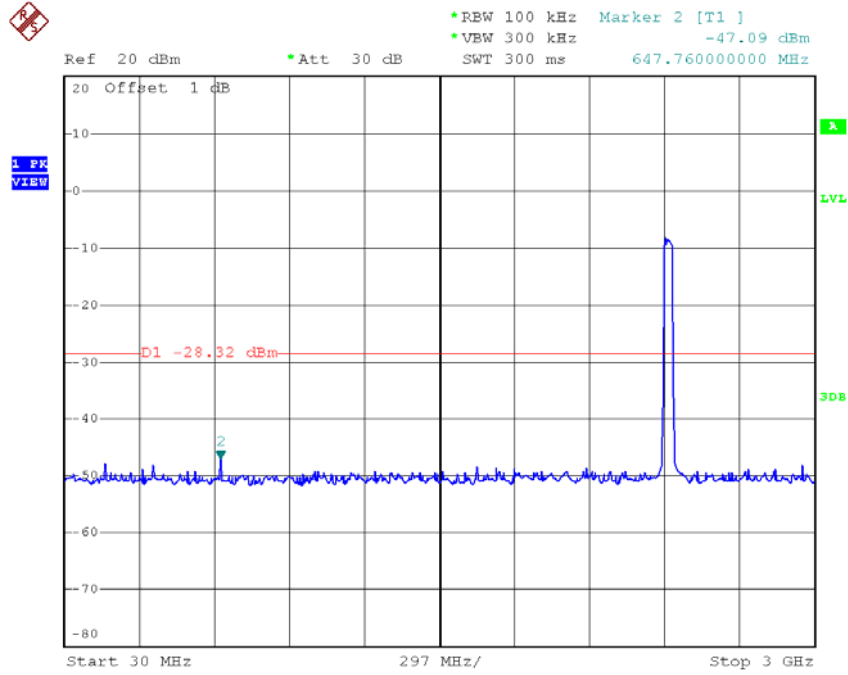
Date: 23.SEP.2016 20:05:10

**TX HT40 mode CH09**

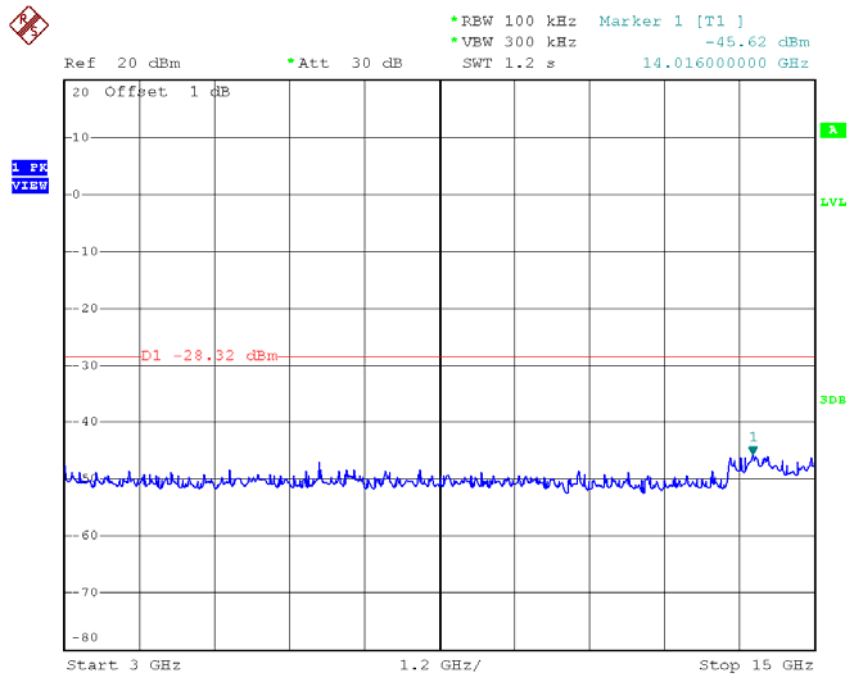


Date: 23.SEP.2016 20:07:55

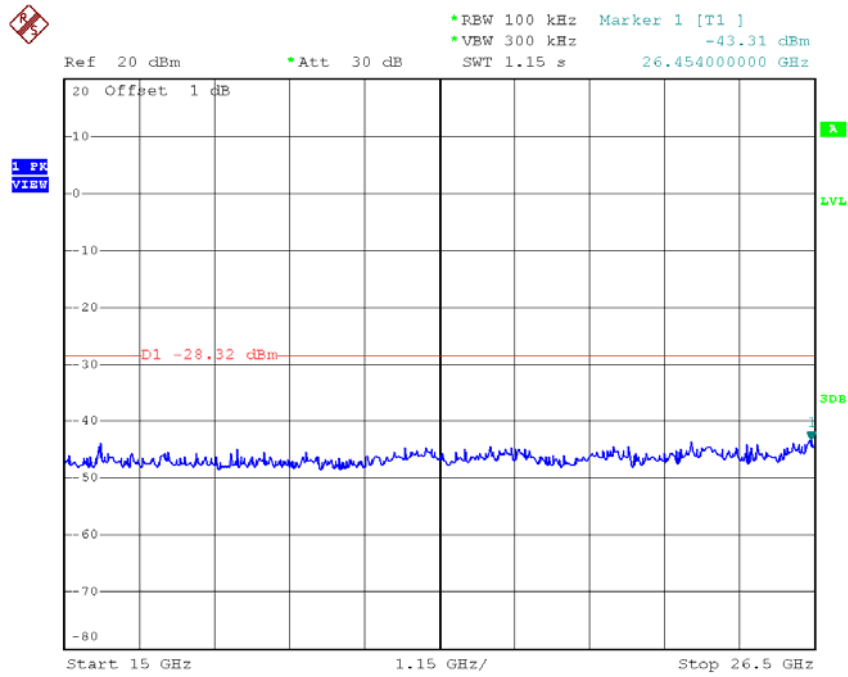
### TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 23.SEP.2016 20:04:46

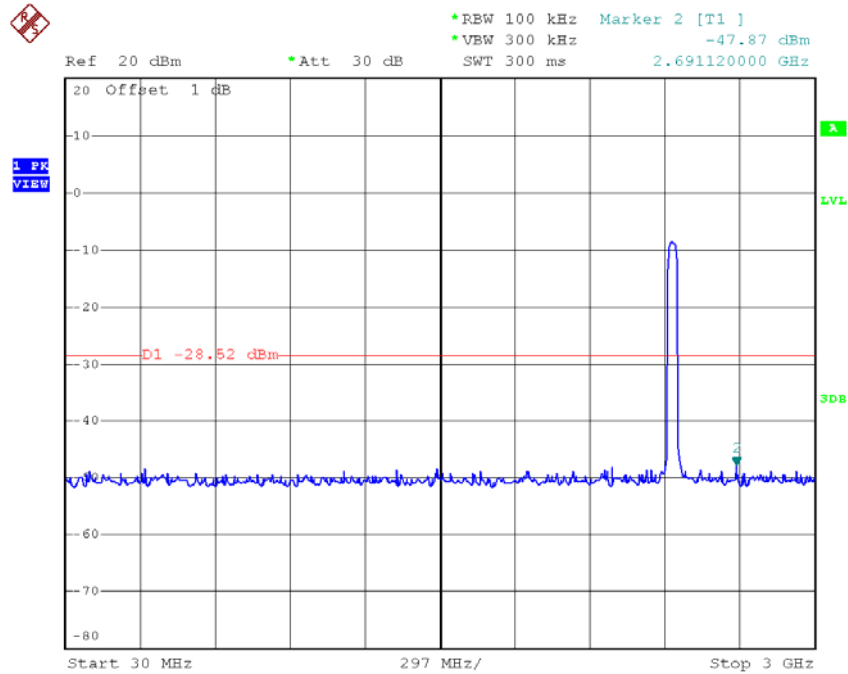


Date: 23.SEP.2016 20:04:54

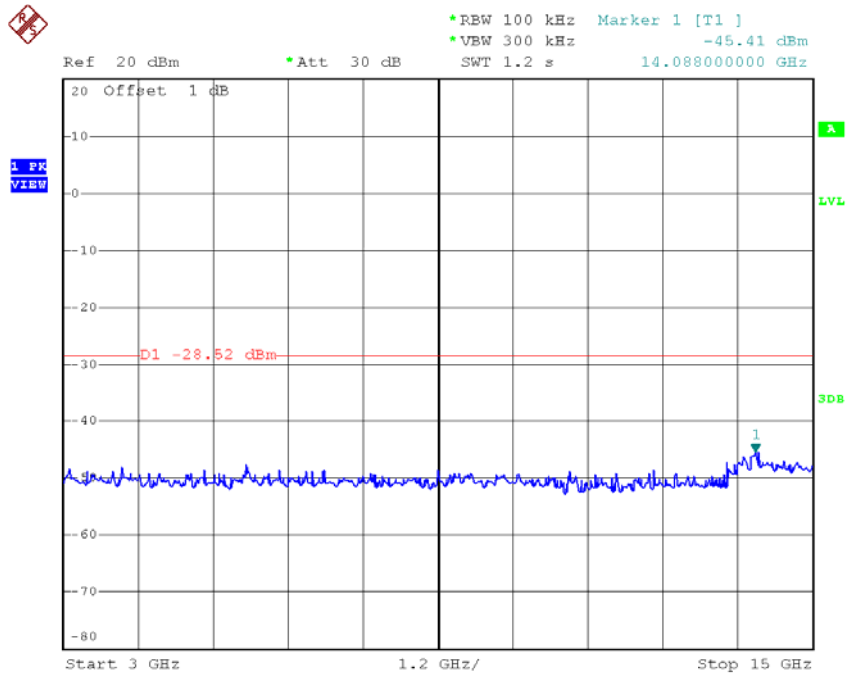


Date: 23.SEP.2016 20:05:03

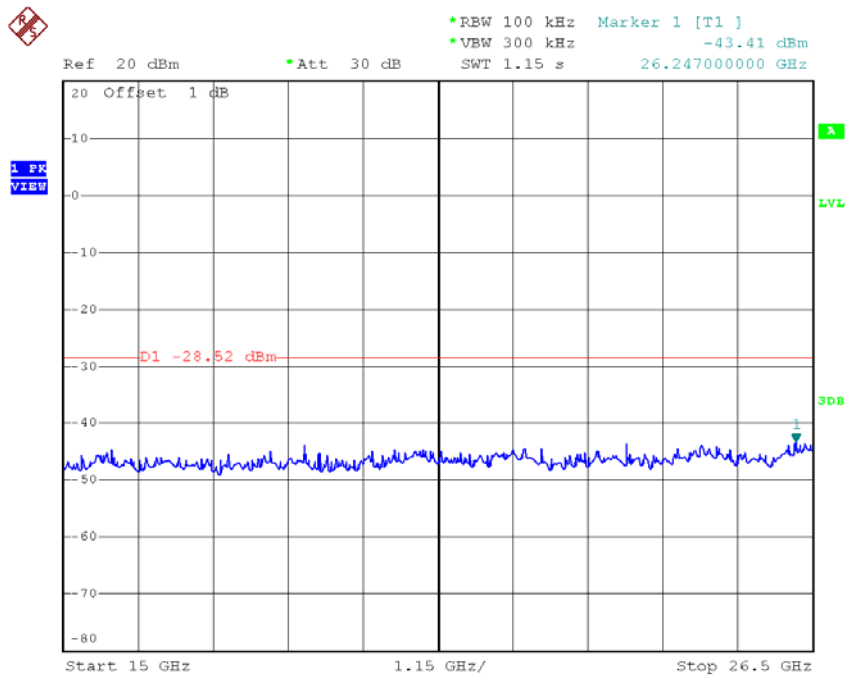
### TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 23.SEP.2016 20:06:11

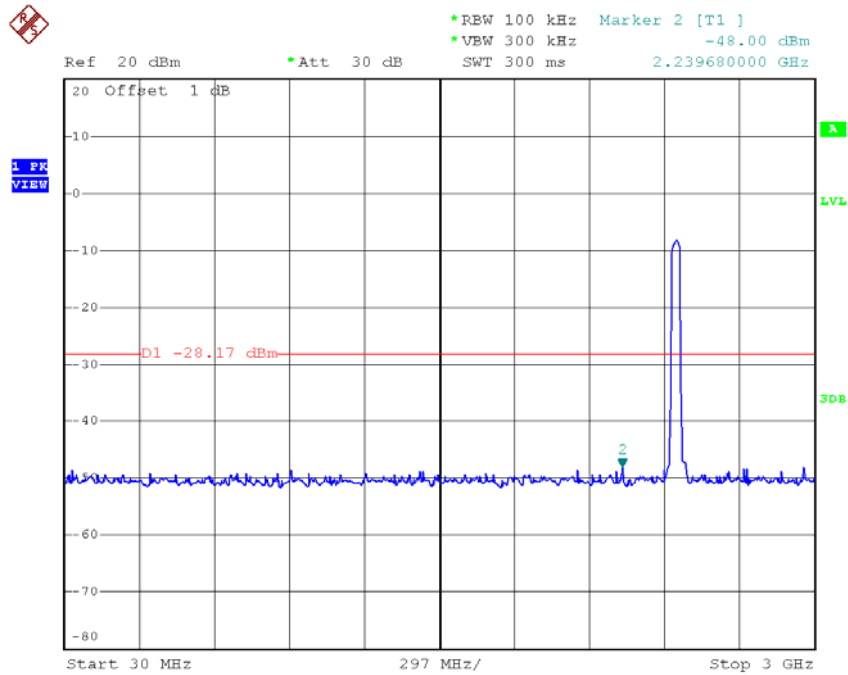


Date: 23.SEP.2016 20:06:19

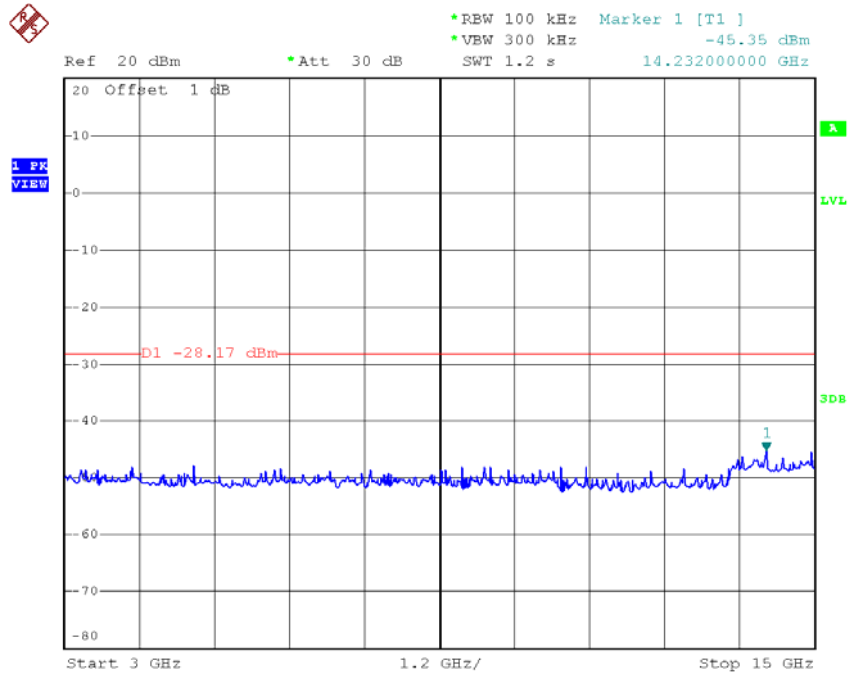


Date: 23.SEP.2016 20:06:28

### TX HT40 mode CH09 (10 Harmonic of the frequency)

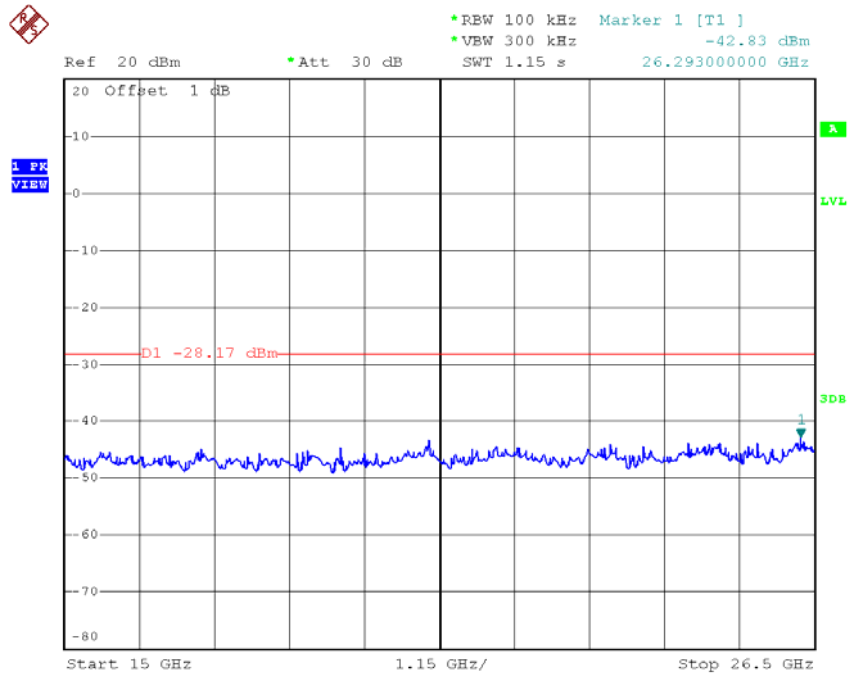


Date: 23.SEP.2016 20:07:30



Date: 23.SEP.2016 20:07:39

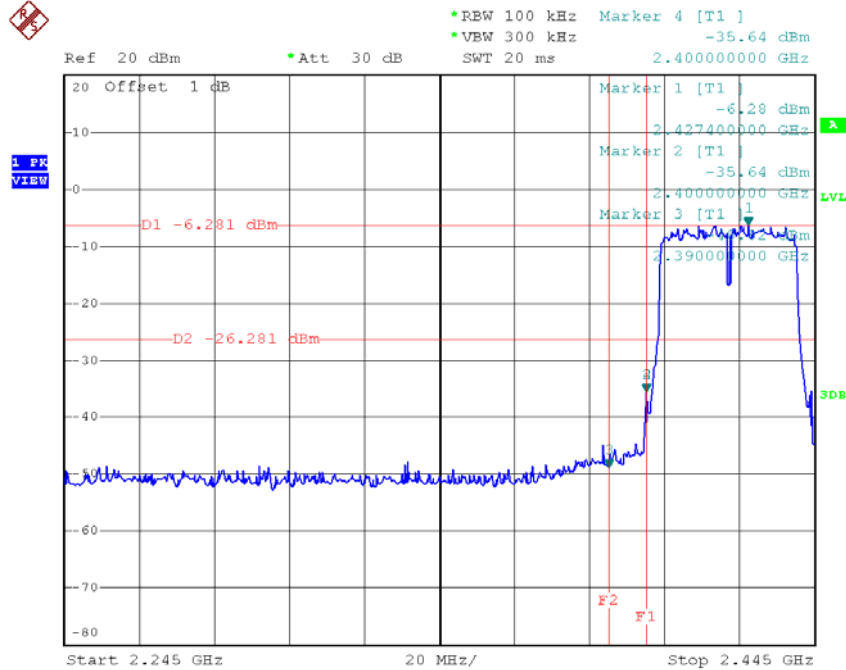




Date: 23.SEP.2016 20:07:47

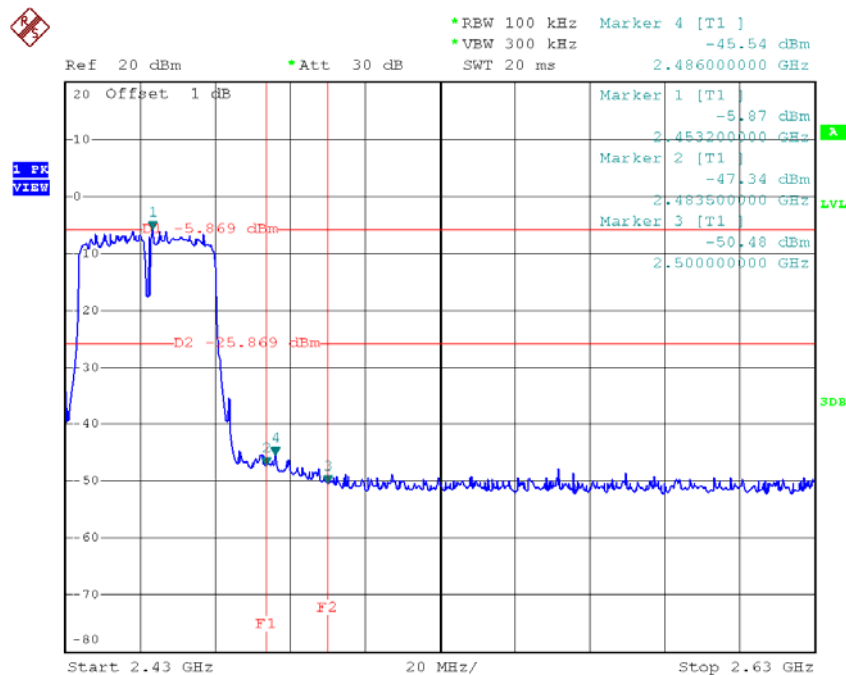
Test Mode : TX N-40M Mode\_ANT 2

### TX HT40 mode CH03



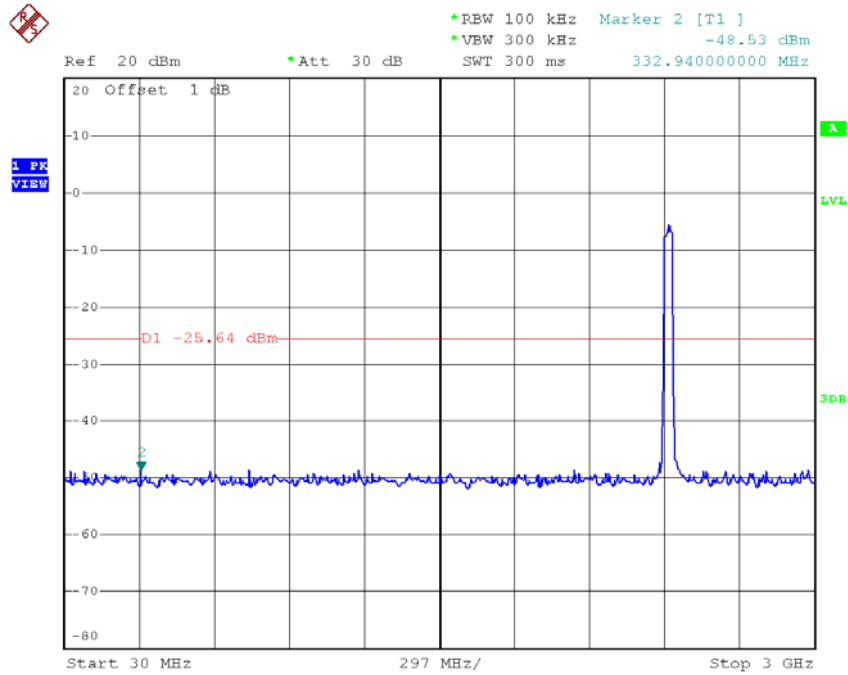
Date: 23.SEP.2016 20:21:06

### TX HT40 mode CH09

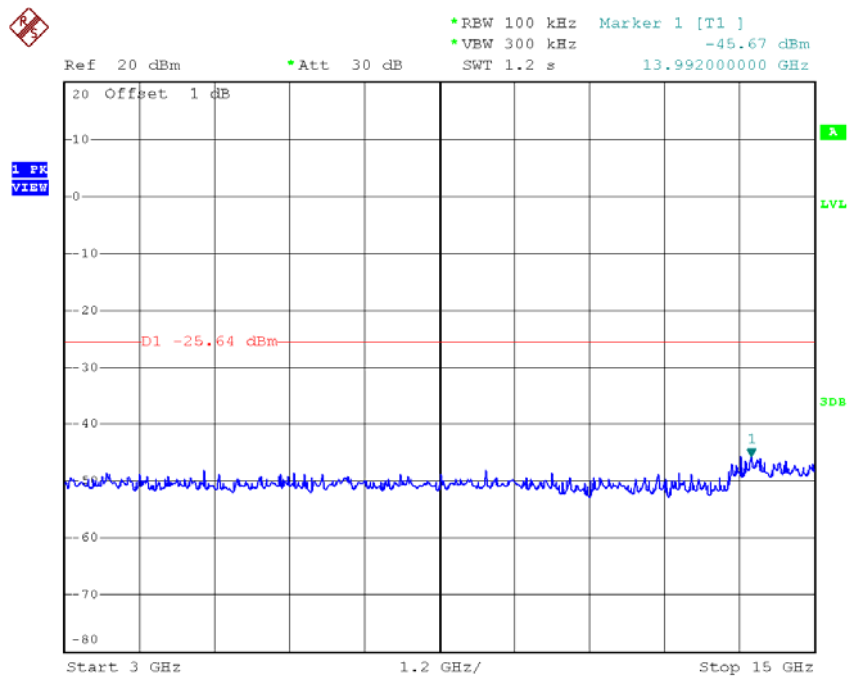


Date: 23.SEP.2016 20:24:19

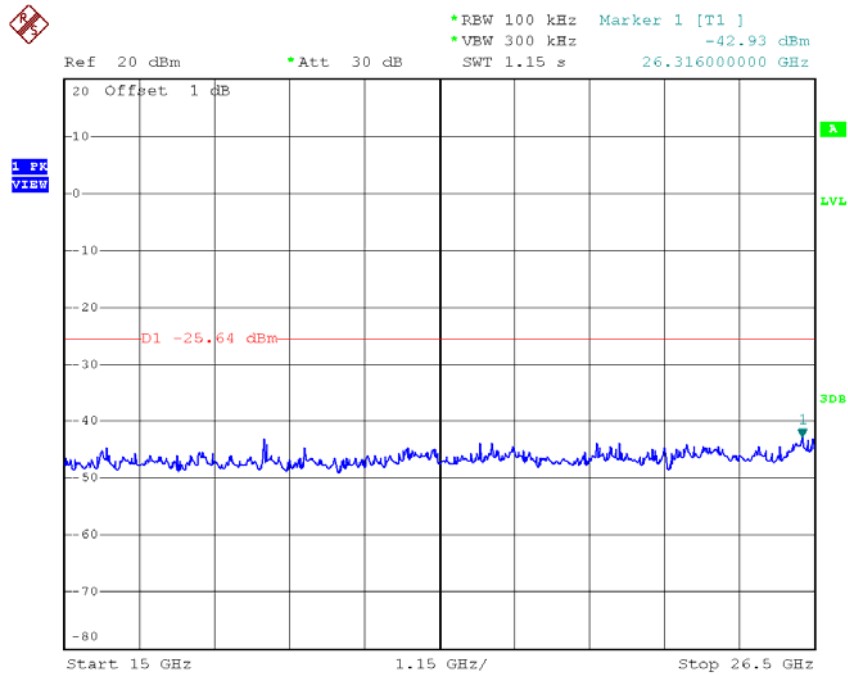
### TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 23.SEP.2016 20:20:45

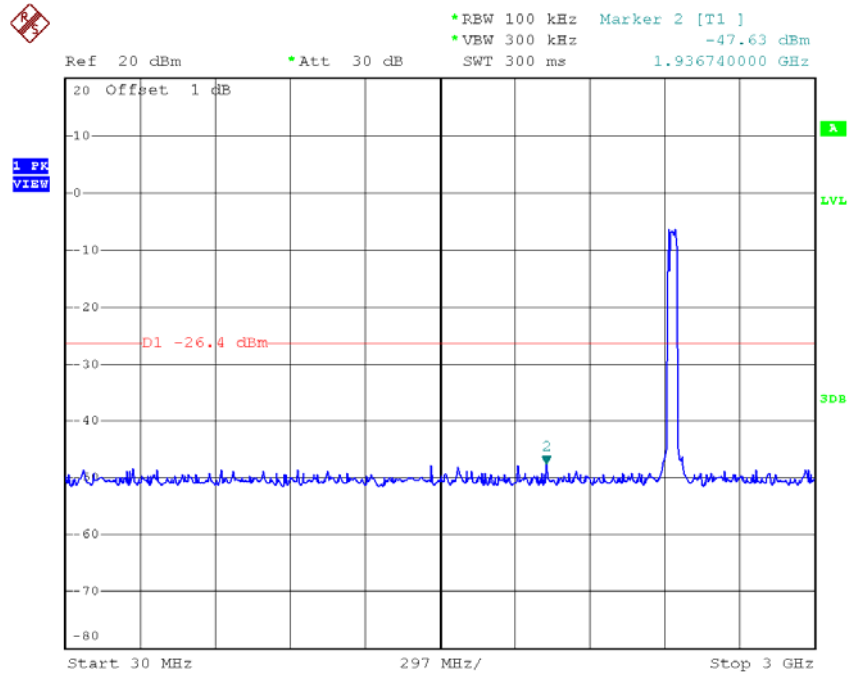


Date: 23.SEP.2016 20:20:52

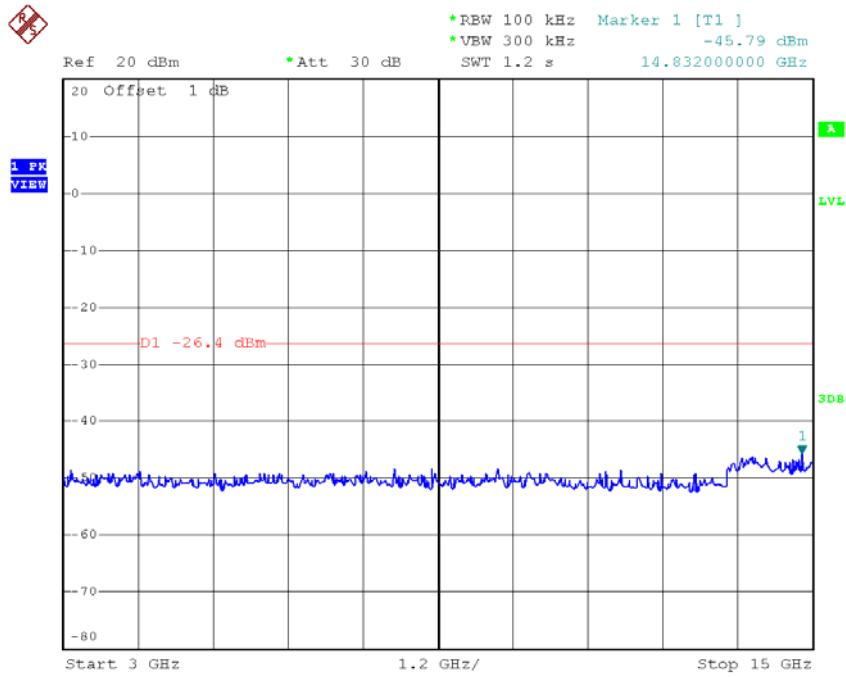


Date: 23.SEP.2016 20:20:59

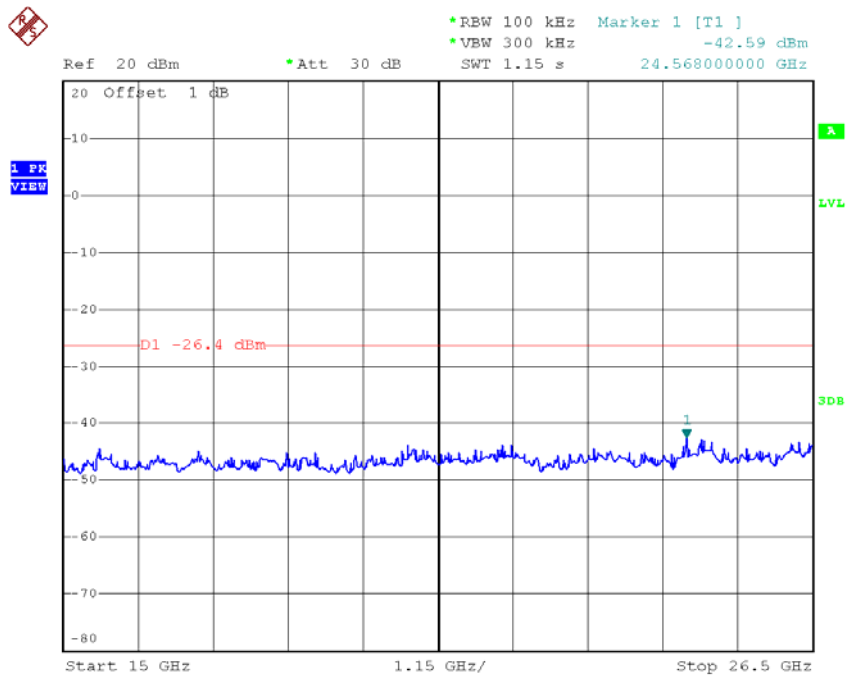
### TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 23.SEP.2016 20:22:00

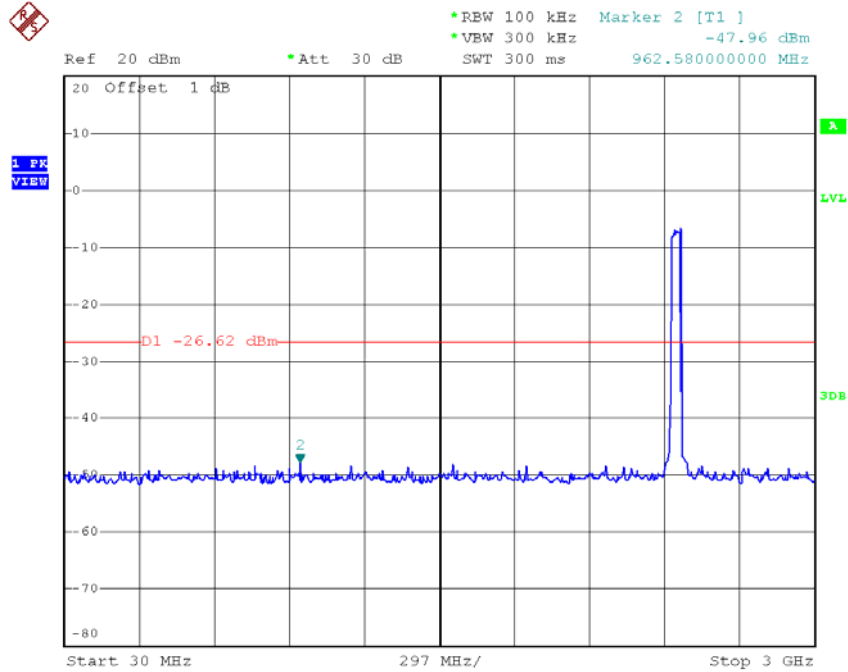


Date: 23.SEP.2016 20:22:07

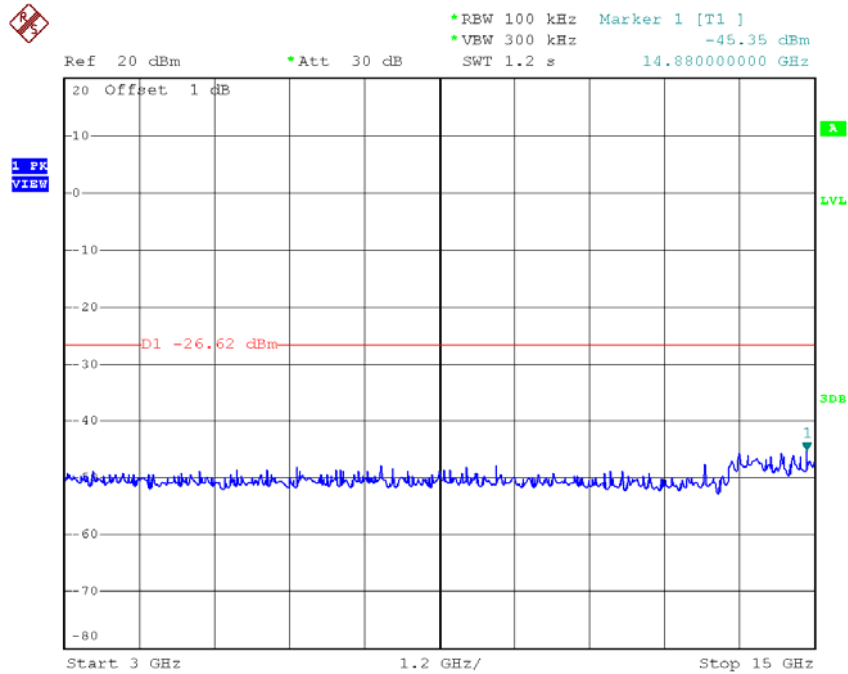


Date: 23.SEP.2016 20:22:14

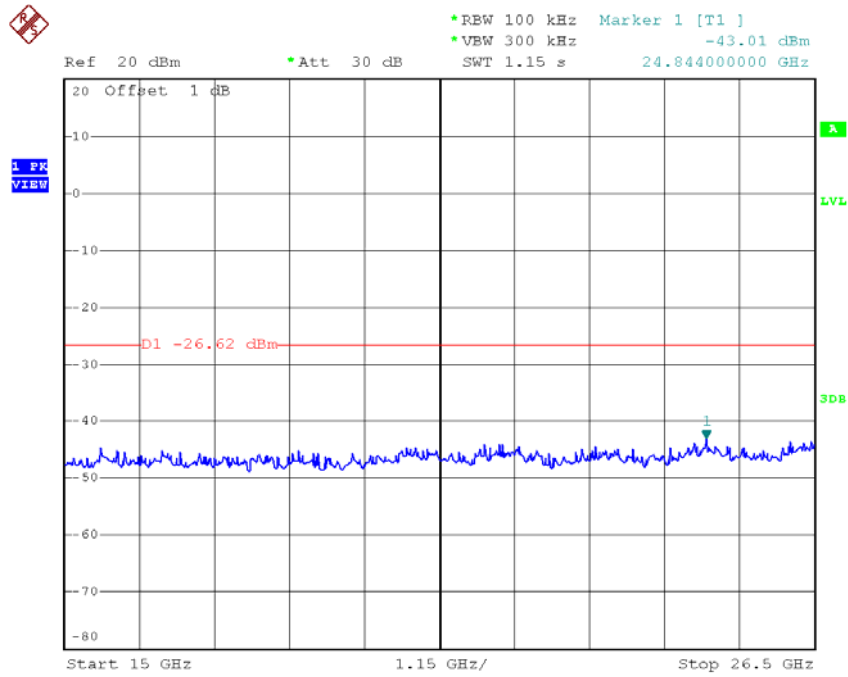
### TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 23.SEP.2016 20:23:58



Date: 23.SEP.2016 20:24:06



Date: 23.SEP.2016 20:24:13

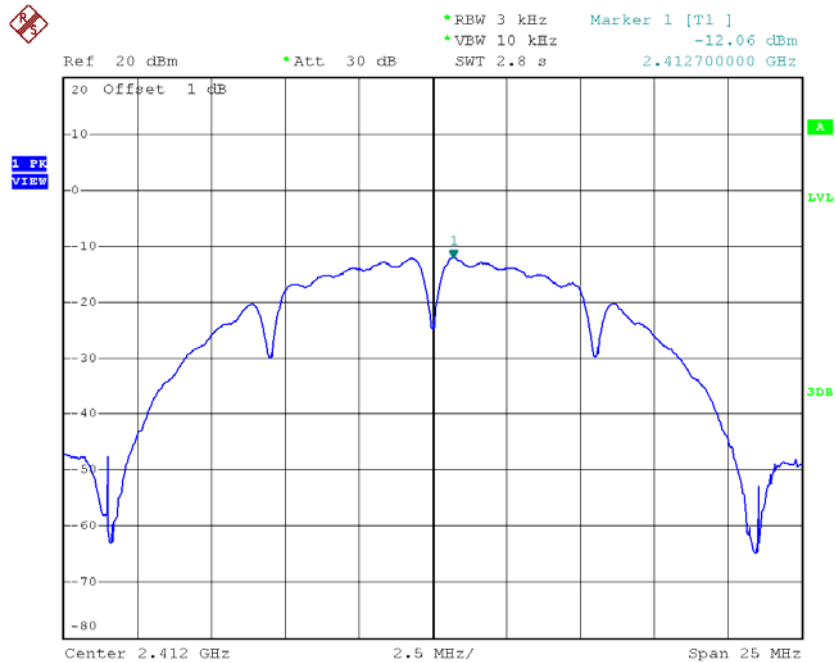
## ATTACHMENT H - POWER SPECTRAL DENSITY



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

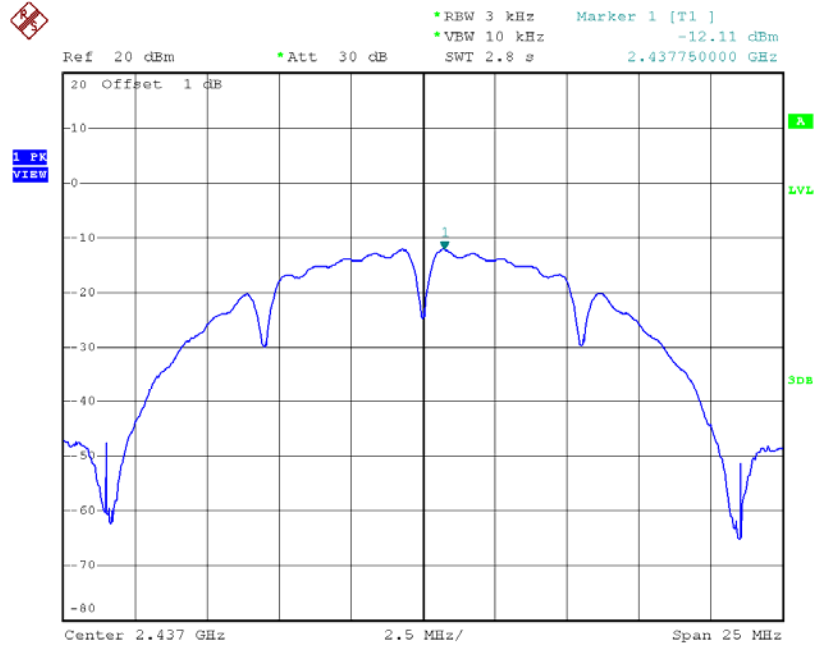
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.06	0.0622	8.00	Complies
2437	-12.11	0.0615	8.00	Complies
2462	-11.88	0.0649	8.00	Complies

**TX CH01**



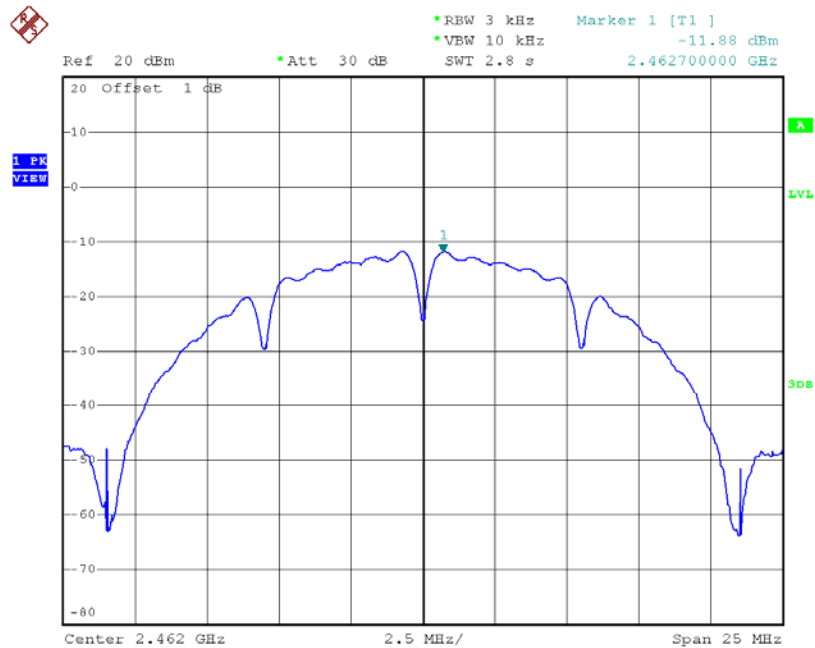
Date: 23.SEP.2016 19:49:54

## TX CH06



Date: 23.SEP.2016 19:51:36

## TX CH11

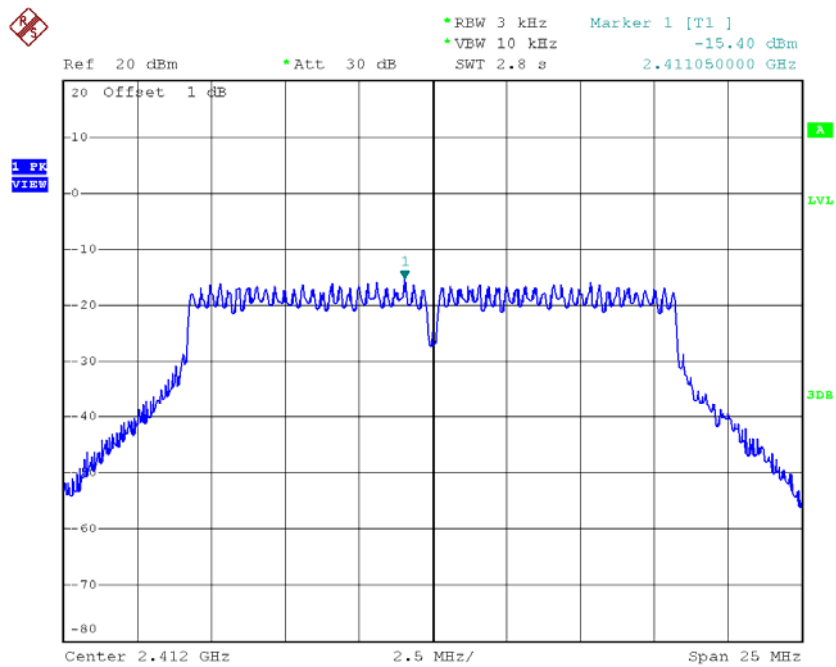


Date: 23.SEP.2016 19:53:05

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

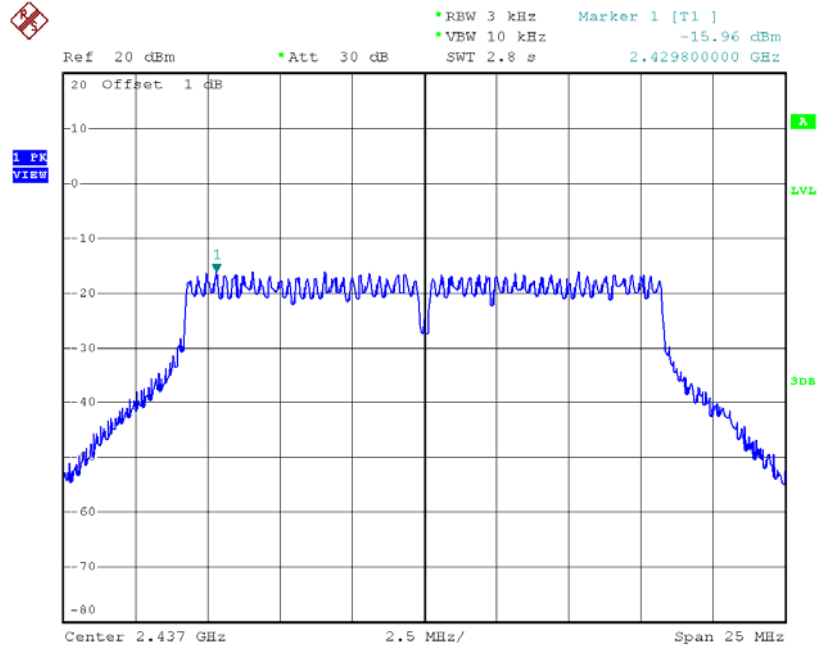
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-15.40	0.0288	8.00	Complies
2437	-15.96	0.0254	8.00	Complies
2462	-15.43	0.0286	8.00	Complies

TX CH01



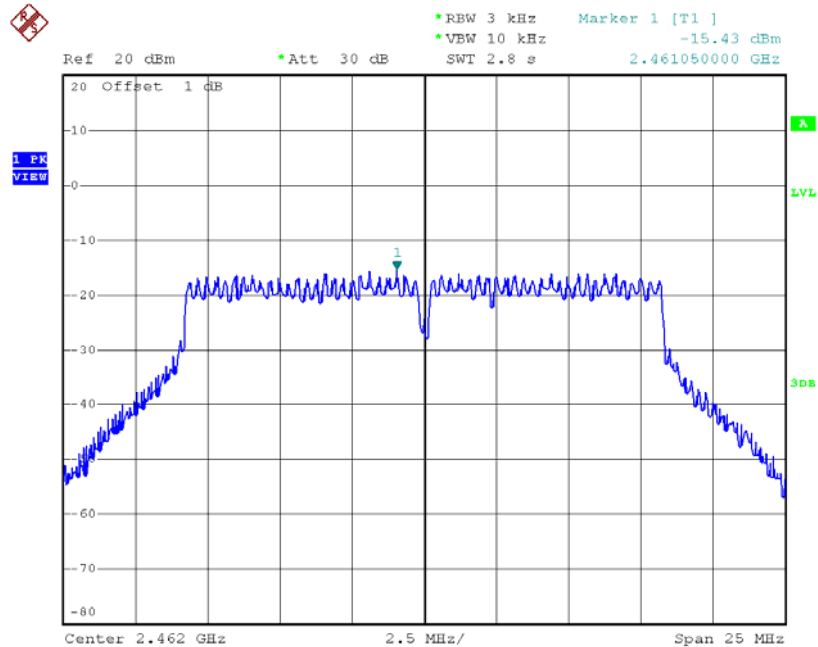
Date: 23.SEP.2016 19:55:07

### TX CH06



Date: 23.SEP.2016 19:56:22

### TX CH11

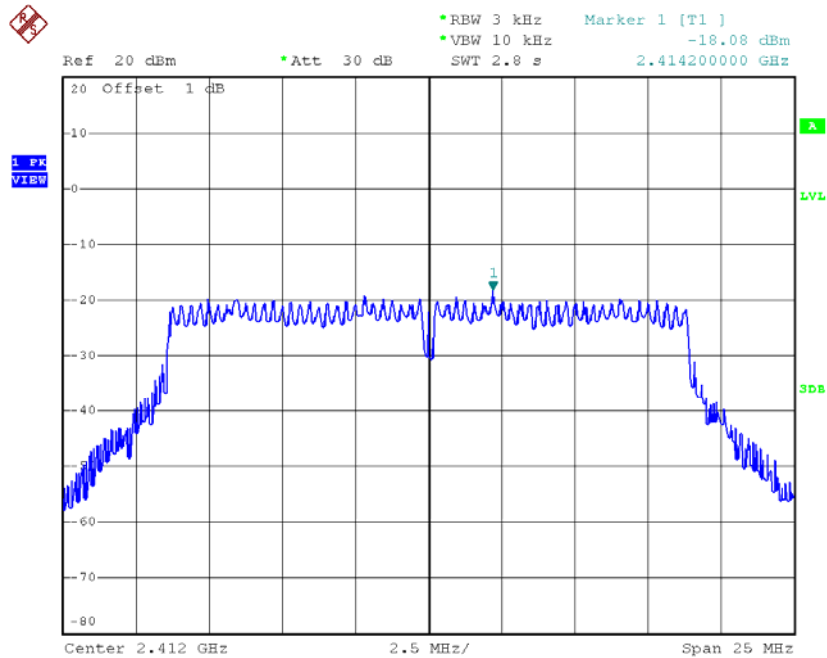


Date: 23.SEP.2016 19:58:14

**Test Mode : TX N-20M Mode\_CH01/06/11\_ANT 1**

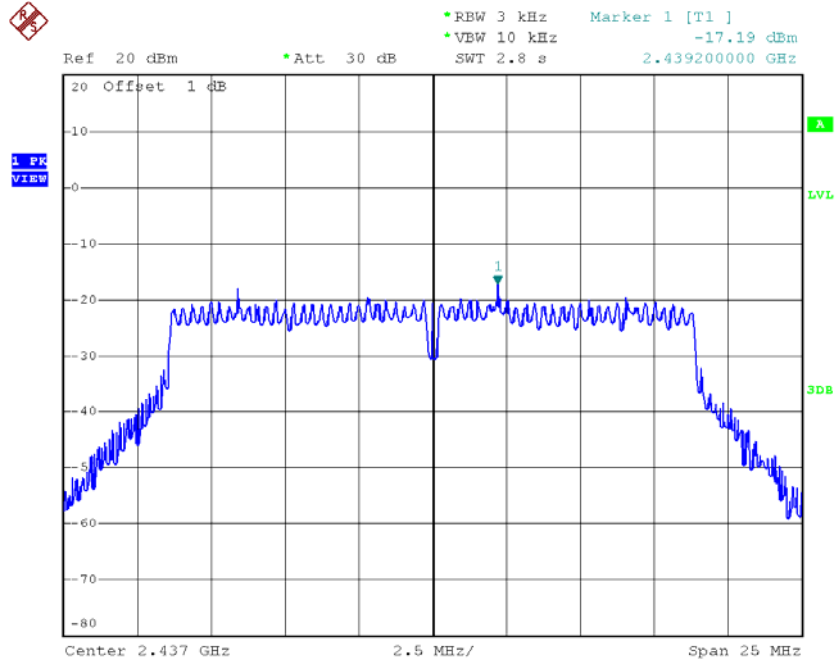
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-18.08	0.0156	8.00	Complies
2437	-17.19	0.0191	8.00	Complies
2462	-18.47	0.0142	8.00	Complies

**TX CH01**



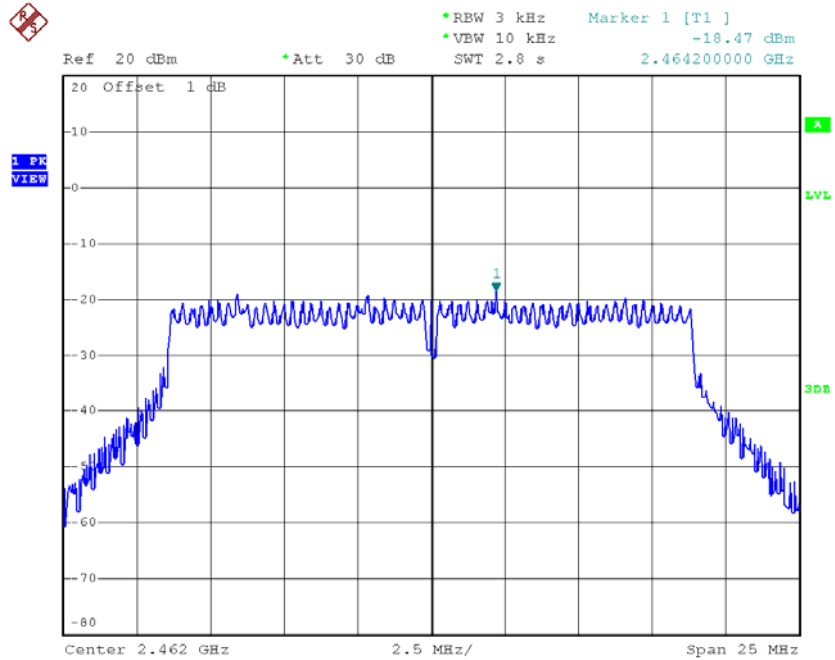
Date: 23.SEP.2016 19:59:50

### TX CH06



Date: 23.SEP.2016 20:02:23

### TX CH11

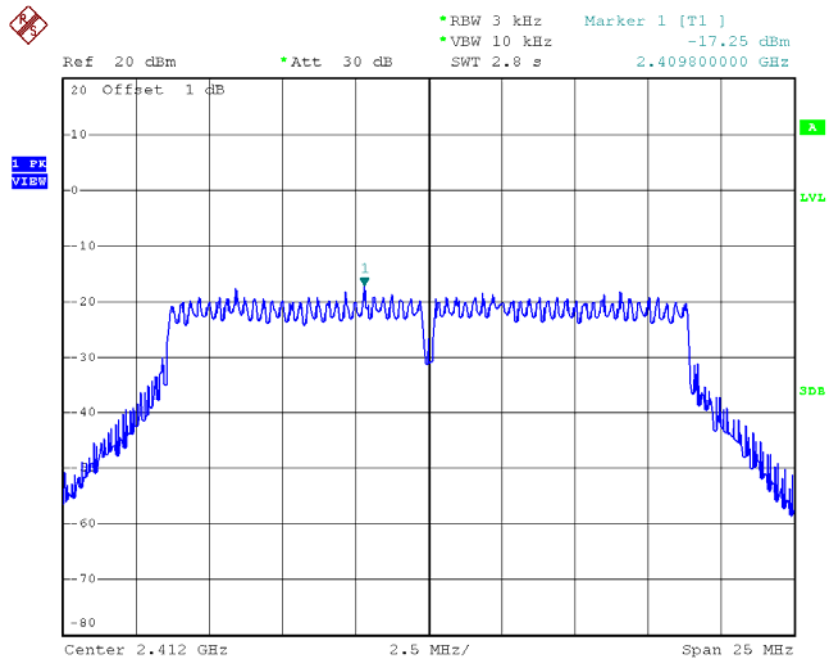


Date: 23.SEP.2016 20:03:39

**Test Mode : TX N-20M Mode\_CH01/06/11\_ANT 2**

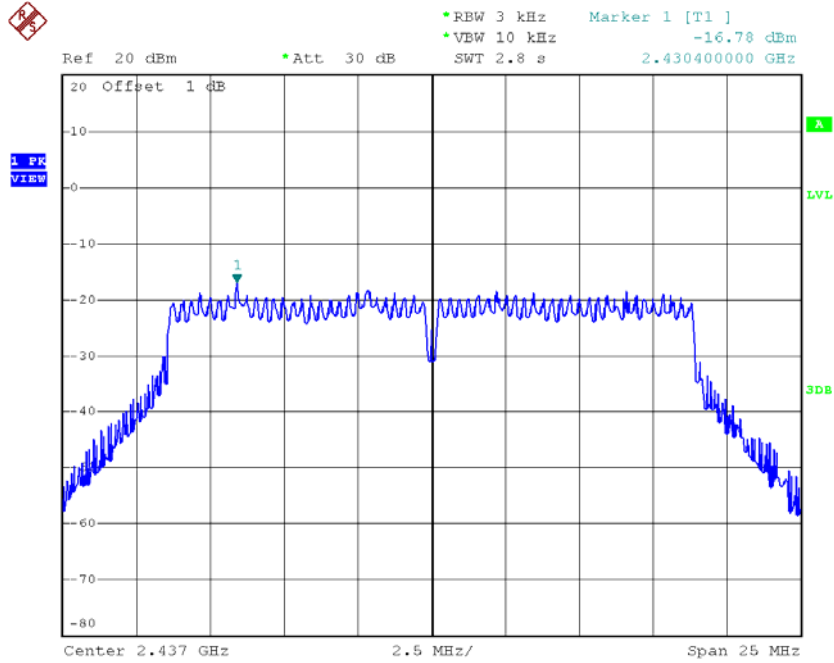
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-17.25	0.0188	8.00	Complies
2437	-16.78	0.0210	8.00	Complies
2462	-16.65	0.0216	8.00	Complies

**TX CH01**



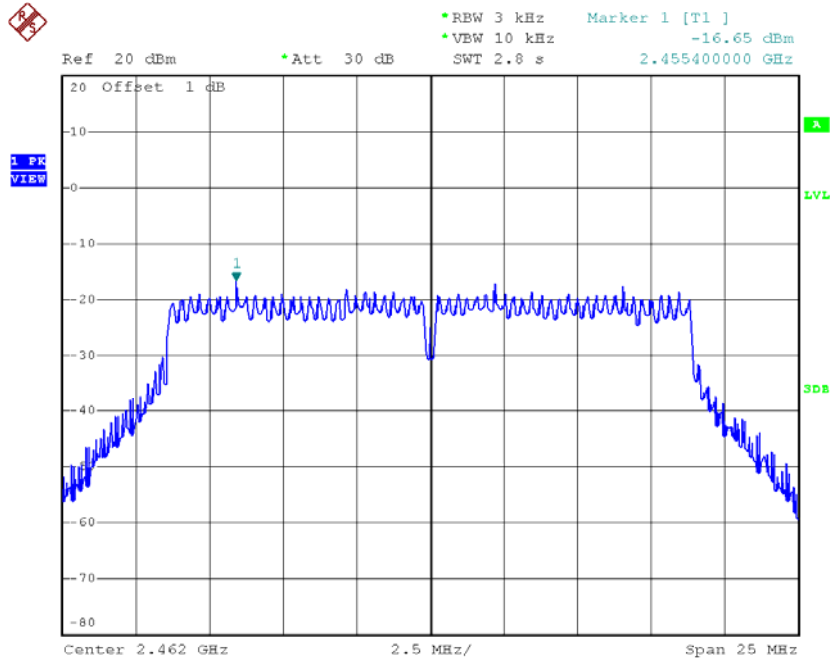
Date: 23.SEP.2016 20:17:52

### TX CH06



Date: 23.SEP.2016 20:18:55

### TX CH11



Date: 23.SEP.2016 20:20:09



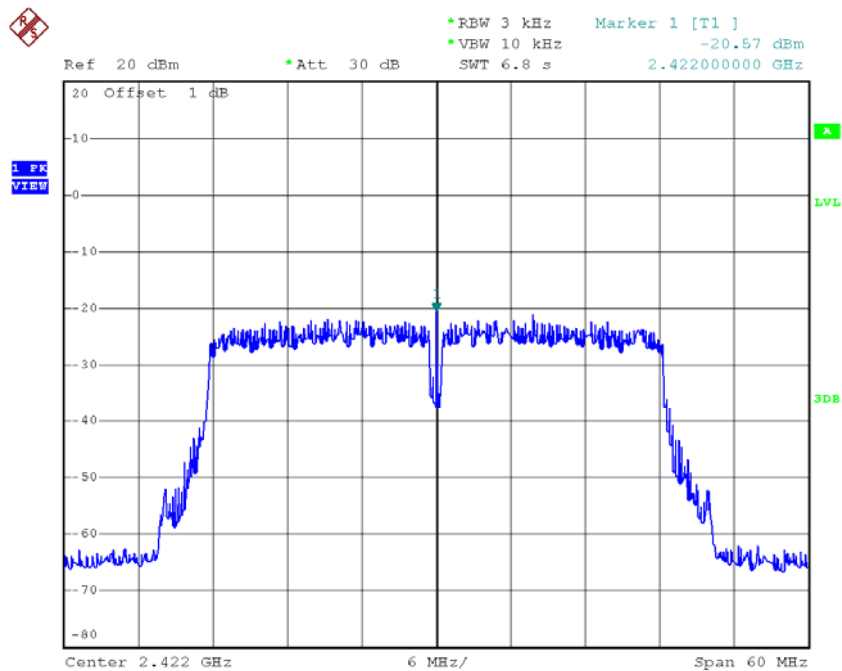
**Test Mode : TX N-20M Mode\_CH01/06/11\_Total**

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-13.98	0.0400	8.00	Complies
2437	-13.98	0.0400	8.00	Complies
2462	-15.23	0.0300	8.00	Complies

Test Mode : TX N-40M Mode\_CH03/06/09\_ANT 1

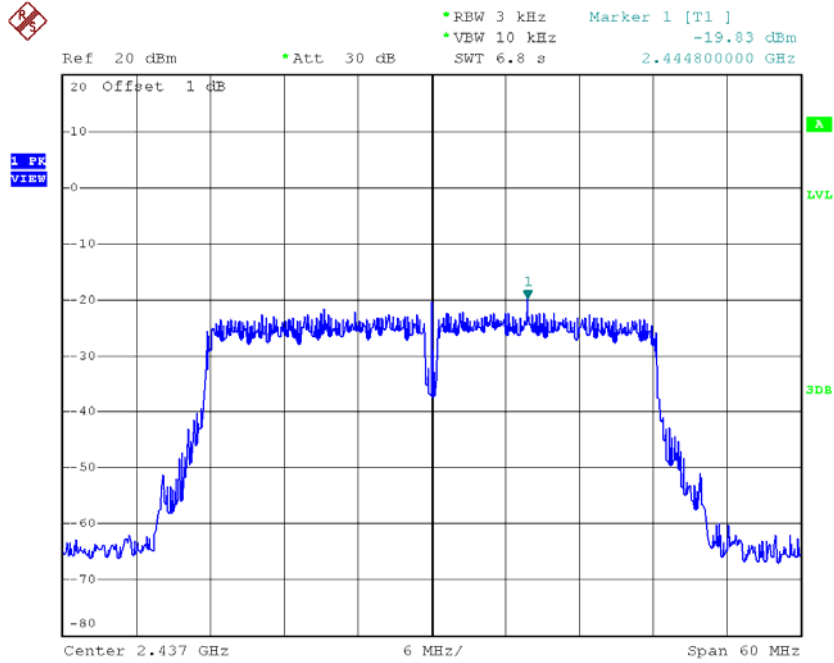
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-20.57	0.0088	8.00	Complies
2437	-19.83	0.0104	8.00	Complies
2452	-20.22	0.0095	8.00	Complies

TX CH03



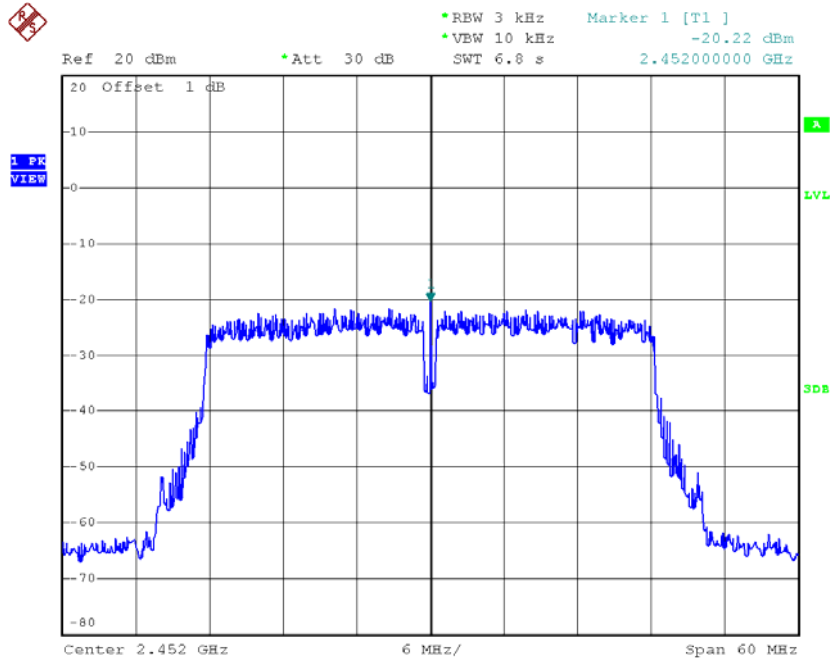
Date: 23.SEP.2016 20:05:23

### TX CH06



Date: 23.SEP.2016 20:06:40

### TX CH09

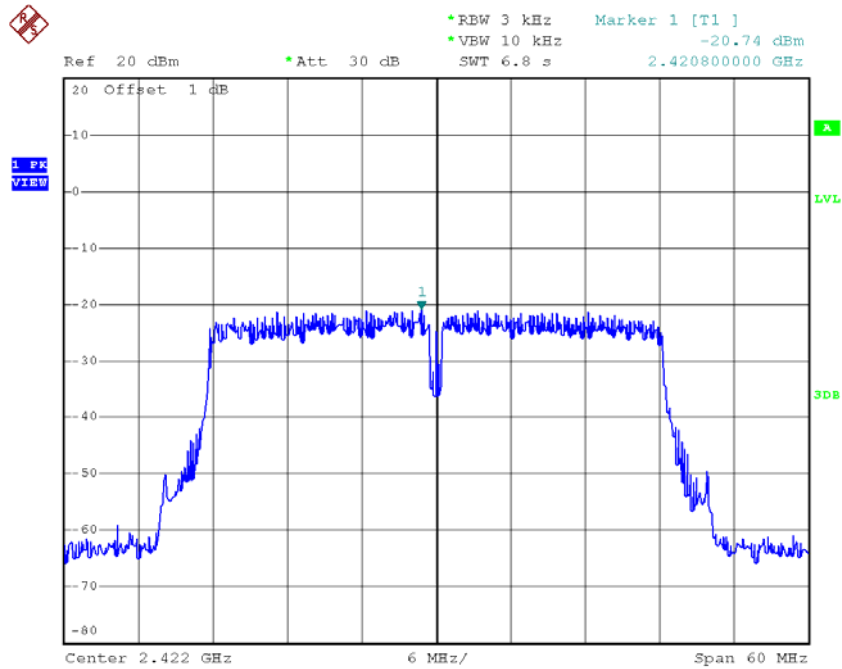


Date: 23.SEP.2016 20:08:07

**Test Mode : TX N-40M Mode\_CH03/06/09\_ANT 2**

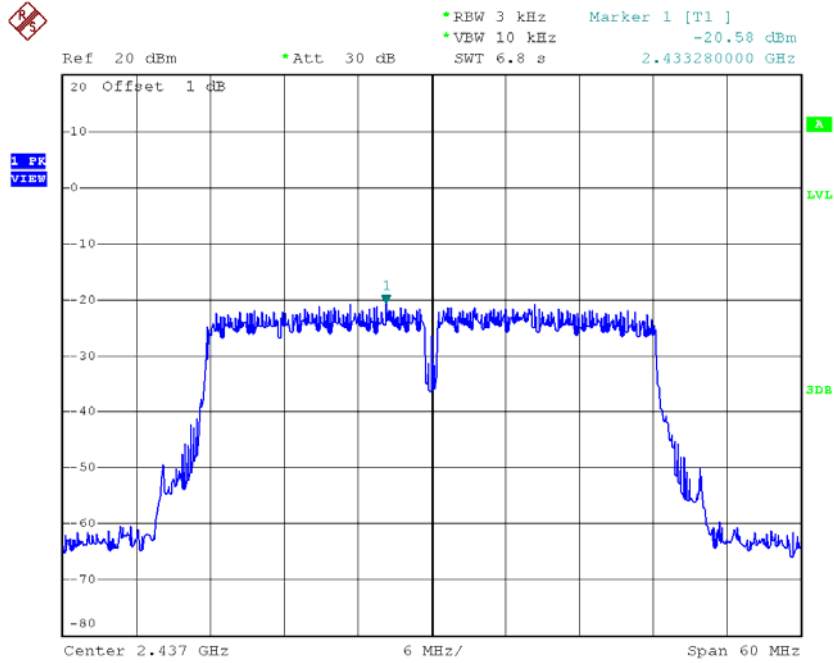
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-20.74	0.0084	8.00	Complies
2437	-20.58	0.0087	8.00	Complies
2452	-20.87	0.0082	8.00	Complies

**TX CH03**



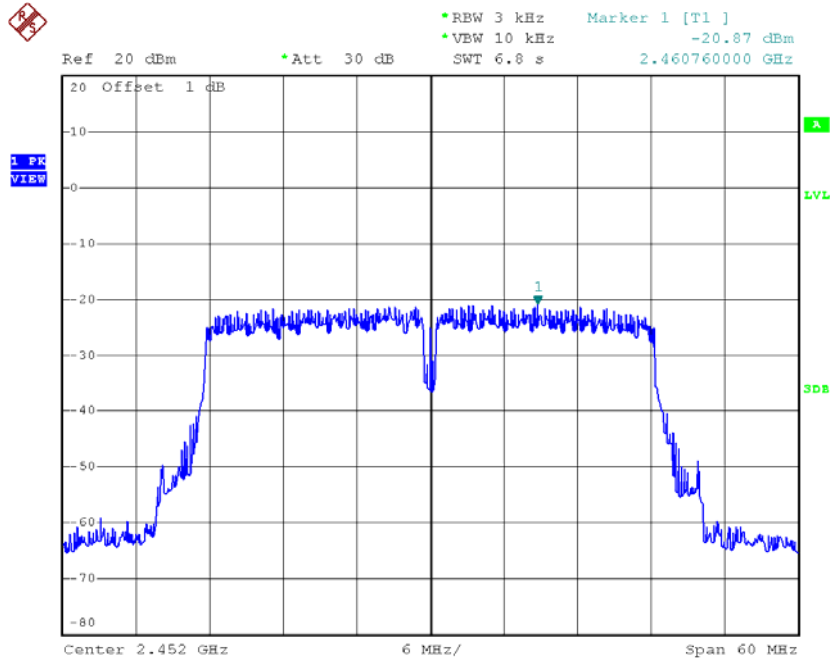
Date: 23.SEP.2016 20:21:17

### TX CH06



Date: 23.SEP.2016 20:22:26

### TX CH09



Date: 23.SEP.2016 20:24:31

**Test Mode : TX N-40M Mode\_CH03/06/09\_Total**

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-16.99	0.0200	8.00	Complies
2437	-16.99	0.0200	8.00	Complies
2452	-16.99	0.0200	8.00	Complies