

# FCC Radio Test Report

## FCC ID: ZC4LX220N

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

**Project No.** : 1612C312  
**Equipment** : ADSL2+/VDSL2  
**Model Name** : LX220N  
**Applicant** : Corporativo Lanix S.A. de C.V.  
**Address** : Carretera Internacional a Nogales km 8,5.  
Hermosillo, Sonora, México. CP 83160

**Date of Receipt** : Jan. 13, 2017  
**Date of Test** : Jan. 13, 2017 ~ Feb. 23, 2017  
**Issued Date** : Feb. 24, 2017  
**Tested by** : BTL Inc.

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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-1-1612C312	Original Issue.	Feb. 24, 2017

## 1. CERTIFICATION

Equipment : ADSL2+/VDSL2  
Brand Name : **LANIX.**  
Model Name : LX220N  
Applicant : Corporativo Lanix S.A. de C.V.  
Manufacturer : Corporativo Lanix S.A. de C.V.  
Address : Carretera Internacional a Nogales km 8,5. Hermosillo, Sonora, México. CP 83160  
Factory : #1 Shenzhen Gongjin Electronics Co.,Ltd  
#2 Taicang T&W Electronics.Co.,Ltd  
Address : #1 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  
#2 Jiangnan Road 89, Loudong Street , Taicang ,Jiangsu, 215412,P.R.China  
Date of Test : Jan. 13, 2017 ~ Feb. 23, 2017  
Test Sample : Engineering Sample  
Standard(s) : FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1612C312) 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
	15.207	Conducted Emission	PASS
	15.247(d)	Antenna conducted Spurious Emission	PASS
	15.247(a)(2)	6dB Bandwidth	PASS
	15.247(b)(3)	Peak Output Power	PASS
	15.247(e)	Power Spectral Density	PASS
	15.203	Antenna Requirement	PASS
	15.247(d)/ 15.205/ 15.209	Transmitter Radiated Emissions	PASS

NOTE:

(1)" N/A" denotes test is not applicable 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  $U_{cisp}$  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	ADSL2+/VDSL2	
Brand Name	<b>LINIX.</b>	
Model Name	LX220N	
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: 20.09dBm 802.11g: 25.79dBm 802.11n(20MHz): 28.16dBm 802.11n(40MHz): 26.06dBm
Power Source	DC voltage supplied from AC/DC adapter. Model: S18B72-120A150-C4	
Power Rating	I/P: 100-240V~50/60Hz Max 0.7A O/P: DC12V,1.5A	

Note:

- 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

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Printed	N/A	3
2	N/A	N/A	Printed	N/A	3

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

4. The worst case for 1TX/ 2TX as follow:

Operating Mode TX Mode	1TX	2TX
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 generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX 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	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
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09

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

<b>6dB Spectrum Bandwidth</b>	
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

<b>Maximum Conducted Output Power</b>	
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

<b>Power Spectral Density</b>	
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:

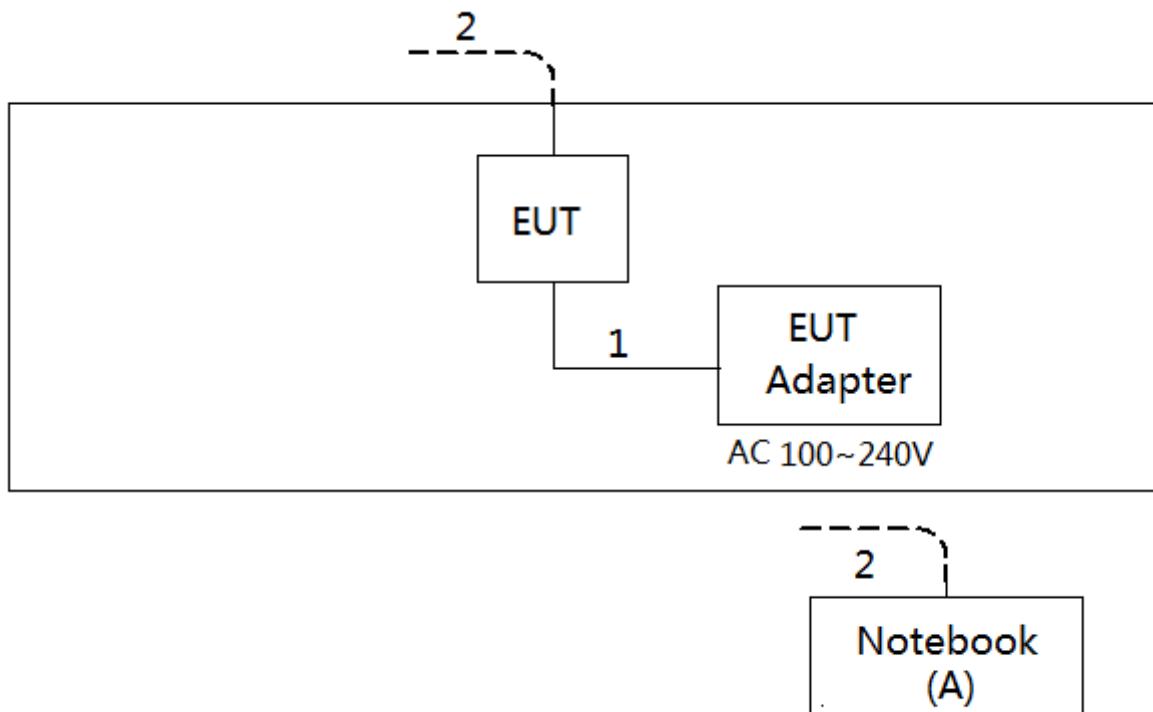
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)  
 802.11g mode: OFDM (6Mbps)  
 802.11n HT20 mode : BPSK (13Mbps)  
 802.11n HT40 mode : BPSK (27Mbps)
- For radiated emission tests, the highest output powers were set for final test.
- (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	CMD.EXE		
Frequency (MHz)	2412	2437	2462
802.11b	27	27	27
802.11g	25	29	21
802.11n (20MHz)	25	31	21
Frequency	2422	2437	2452
802.11n (40MHz)	22	27	21

### 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	Lenovo	INSPIRON 1420-	DOC	JX193A01SDC2

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.5m	DC Cable
2	NO	NO	10m	RJ4-5 Cable

Note:

- (1) For detachable type I/O cable should be specified the length in m in『Length』 column.

## 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 -0.50	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

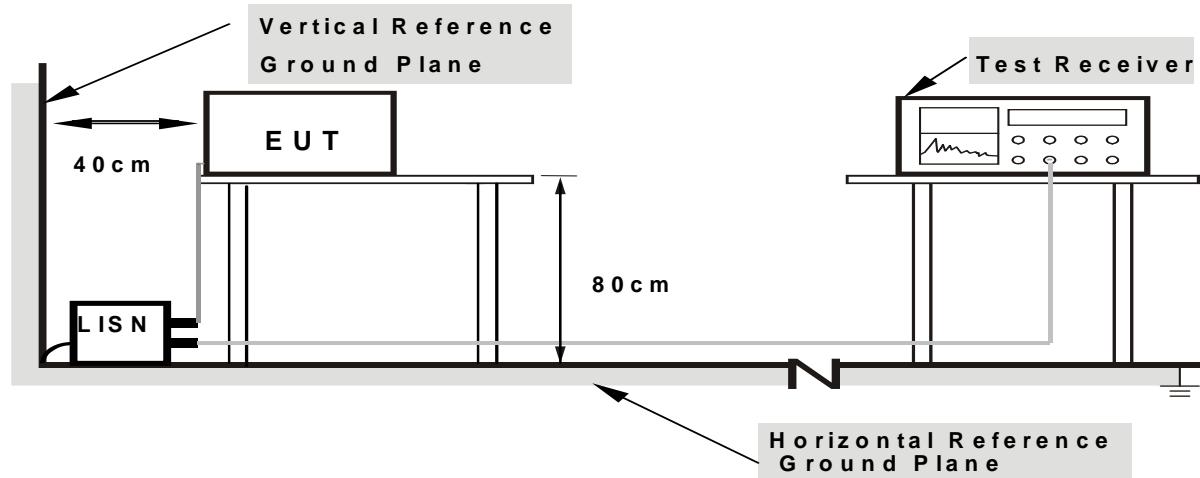
### 4.1.2 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- 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

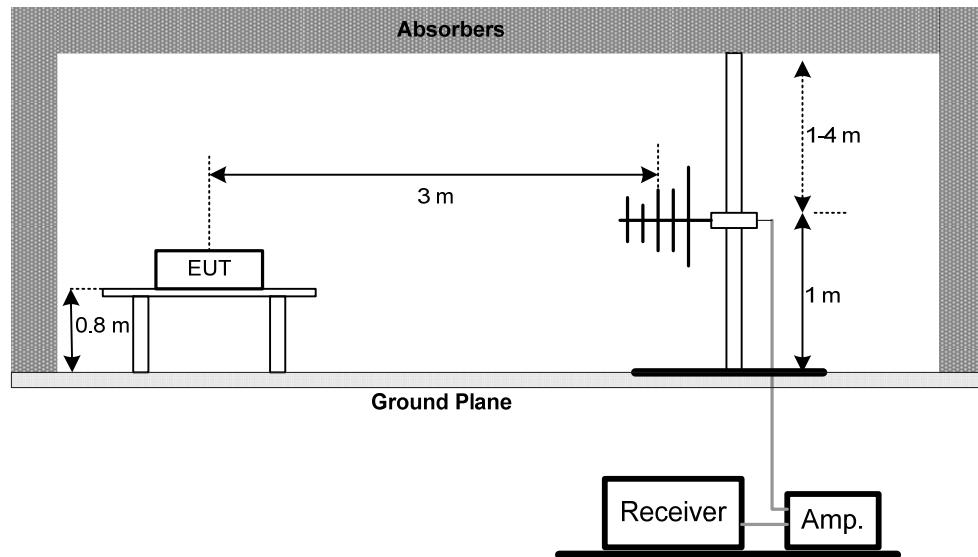
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of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

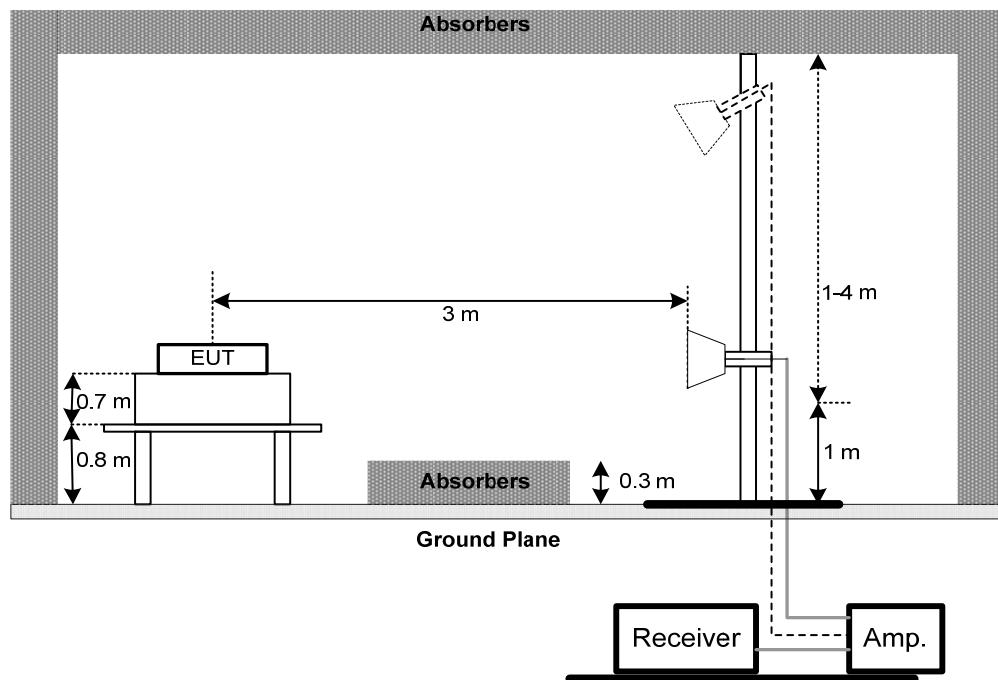
No deviation

#### 4.2.4 TEST SETUP

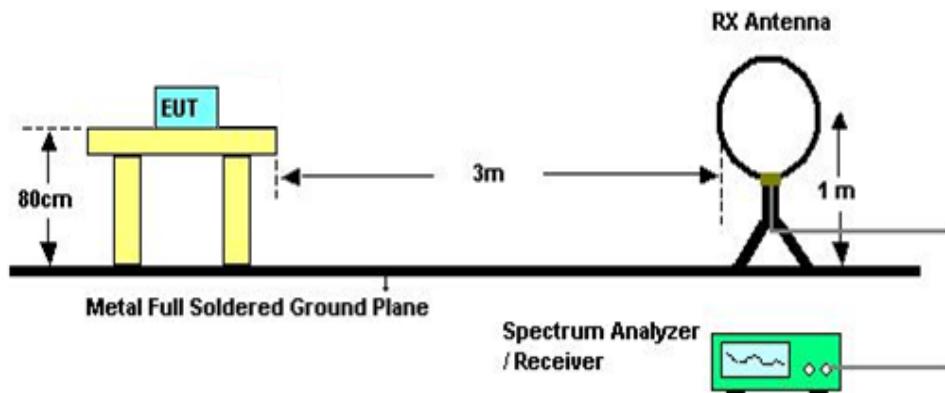
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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

- 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: 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	Oct. 20, 2017
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
4	Test Cable	emci	LMR-400(30MHz -1GHz)	C-01	Jun. 26, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 27, 2017
8	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
9	Test Cable	emci	EMC104-SM-S M-10000(1GHz -26.5GHz)	C-68	Jun. 26, 2017
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

**6dB Bandwidth Measurement**

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

**Peak Output Power Measurement**

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Sep. 04, 2017
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Sep. 04, 2017

**Antenna Conducted Spurious Emission Measurement**

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

**Power Spectral Density Measurement**

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

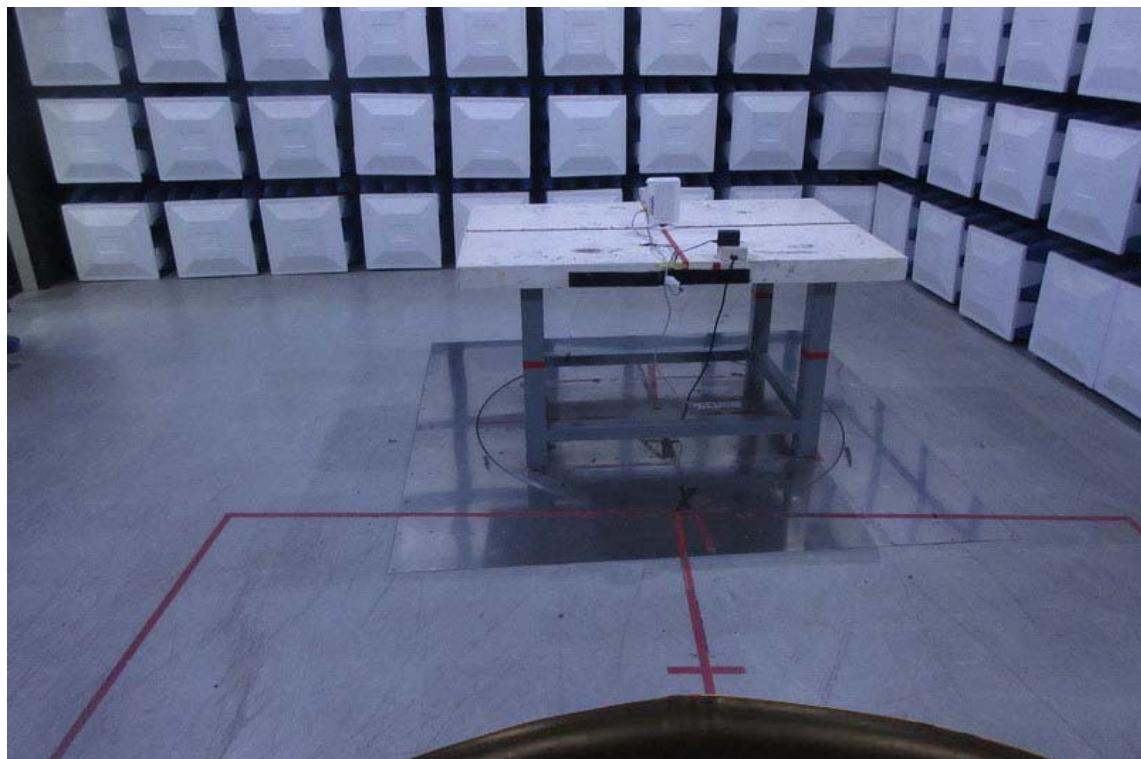
Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

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

### Radiated Measurement Photos

9KHz to 30MHz



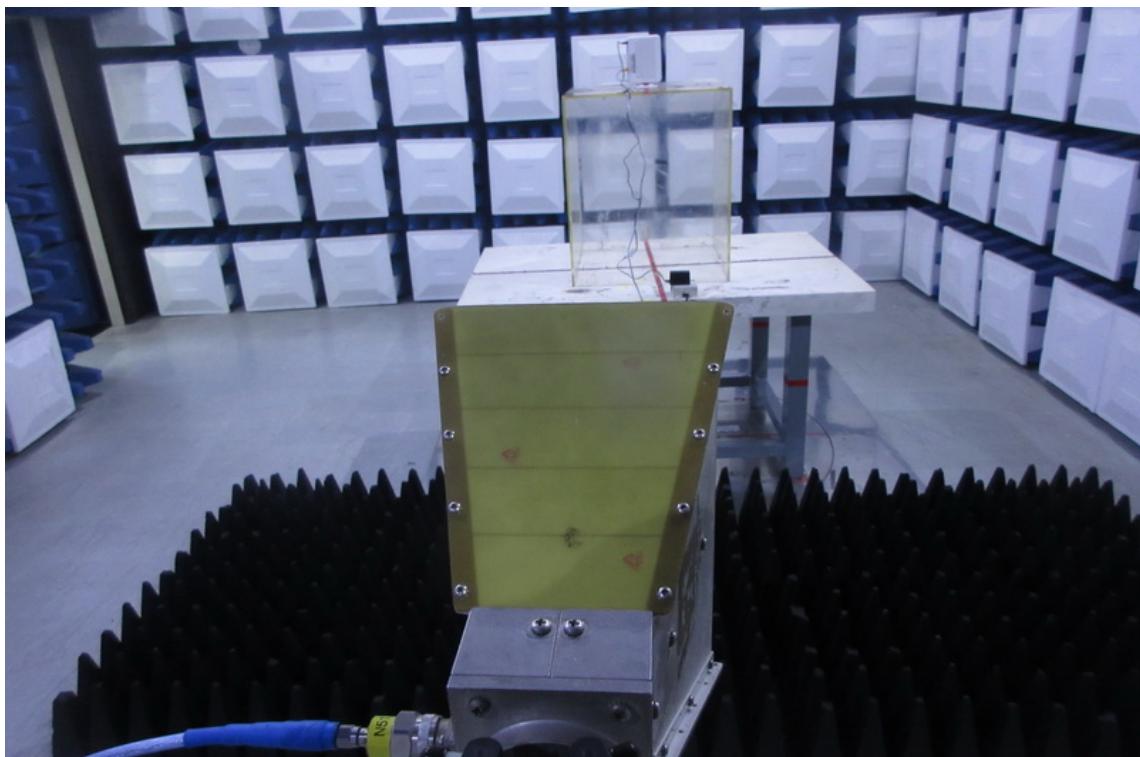
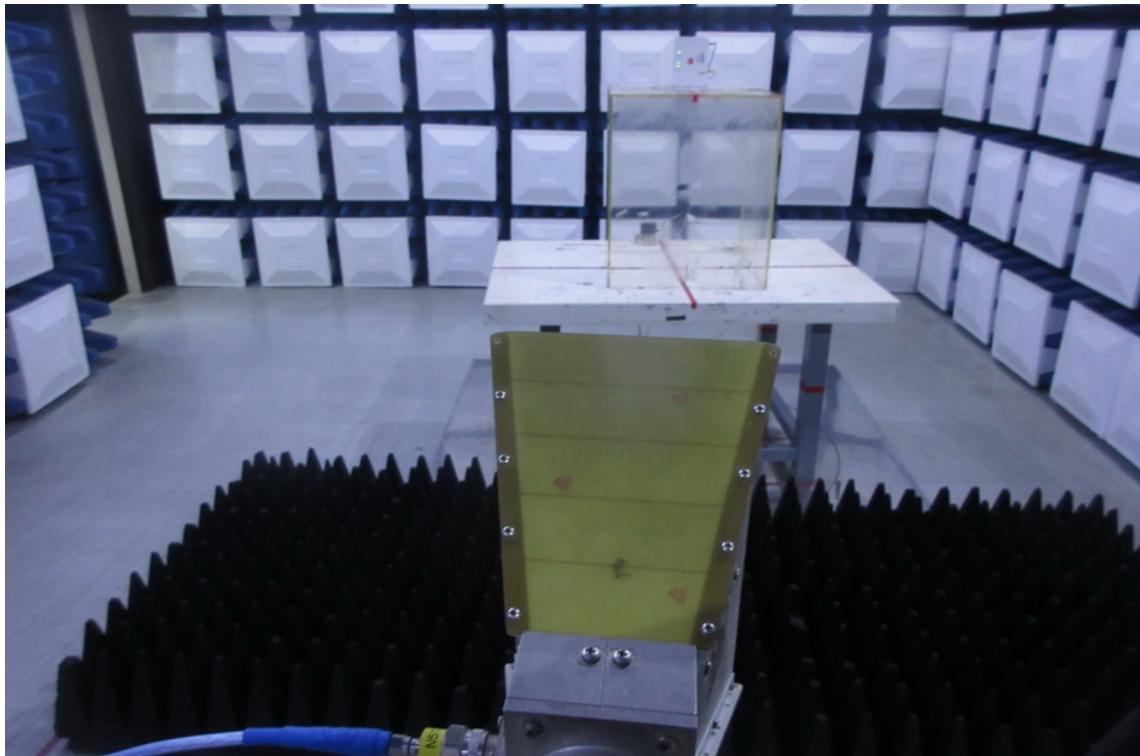
### Radiated Measurement Photos

30MHz to 1000MHz



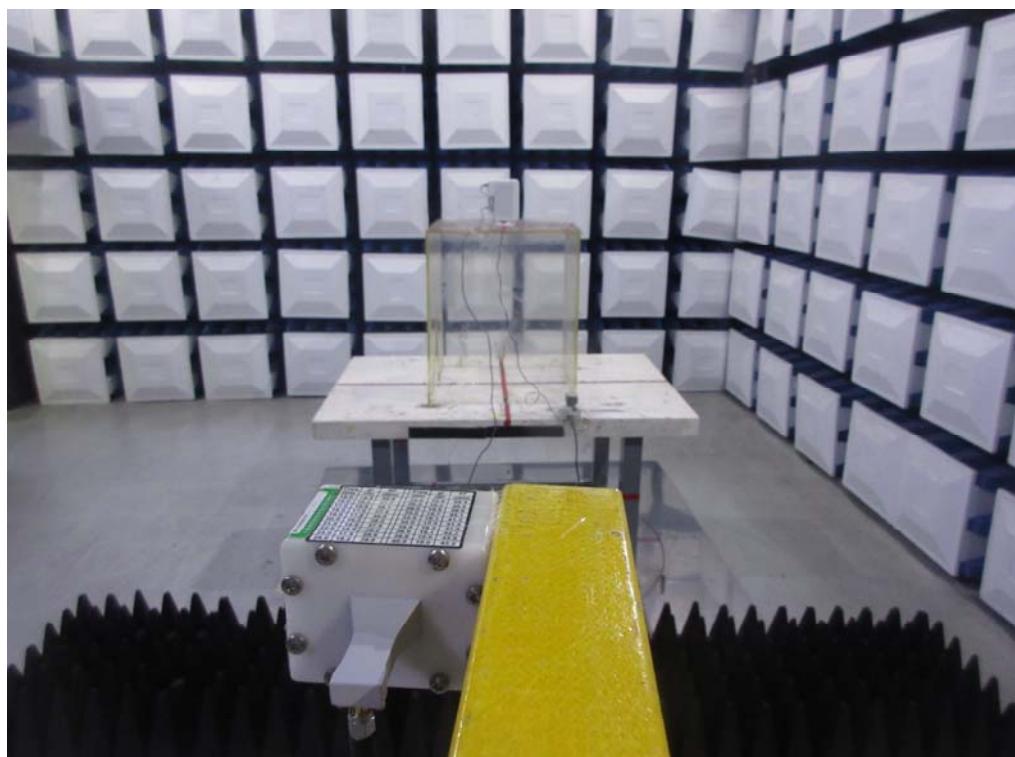
### Radiated Measurement Photos

1GHz to 18GHz



### Radiated Measurement Photos

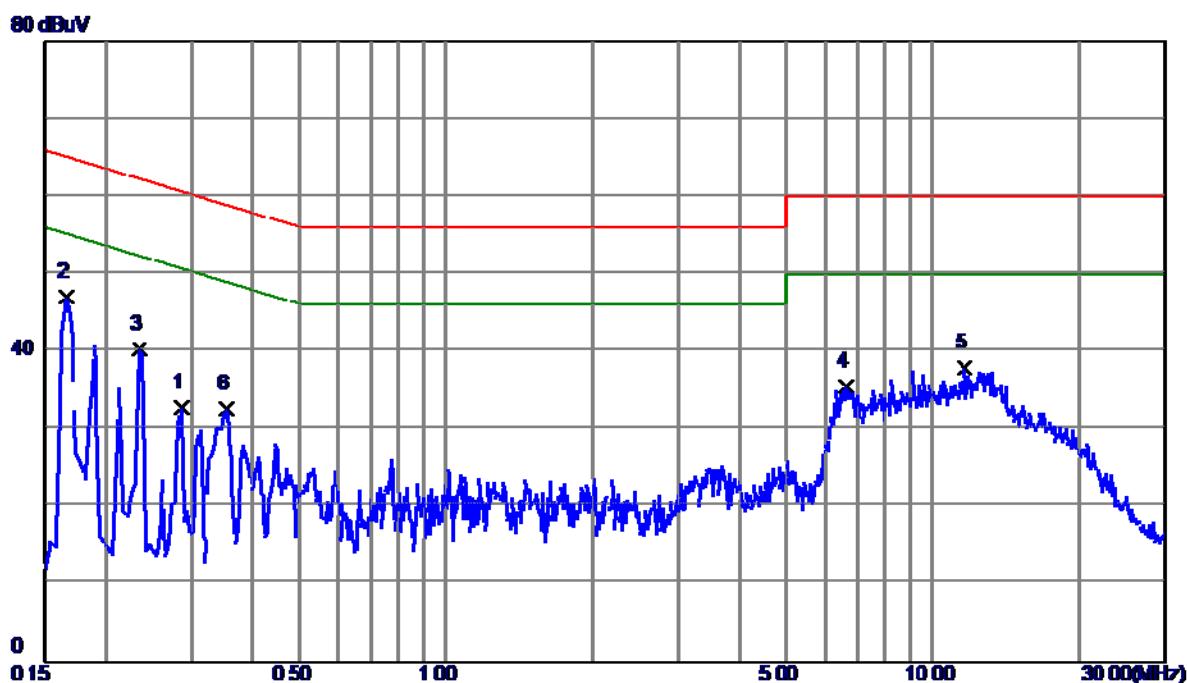
18GHz to 26.5GHz



## ATTACHMENT A - CONDUCTED EMISSION

Test Mode : Normal Link

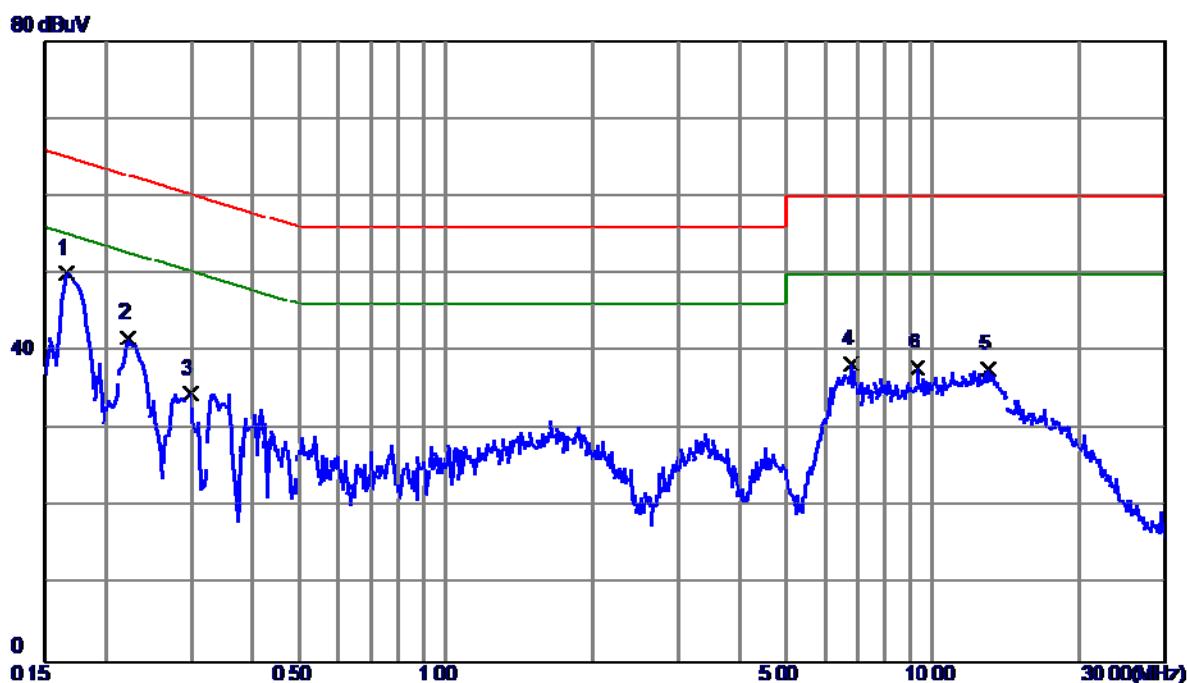
## Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dB	Margin Detector	Comment
1	0.2860	23.26	9.58	32.84	60.64	-27.80	Peak
2 *	0.1660	37.54	9.57	47.11	65.16	-18.05	Peak
3	0.2340	30.72	9.57	40.29	62.31	-22.02	Peak
4	6.6660	25.07	10.38	35.45	60.00	-24.55	Peak
5	11.5980	27.43	10.56	37.99	60.00	-22.01	Peak
6	0.3540	23.03	9.58	32.61	58.87	-26.26	Peak

Test Mode : Normal Link

## Neutral

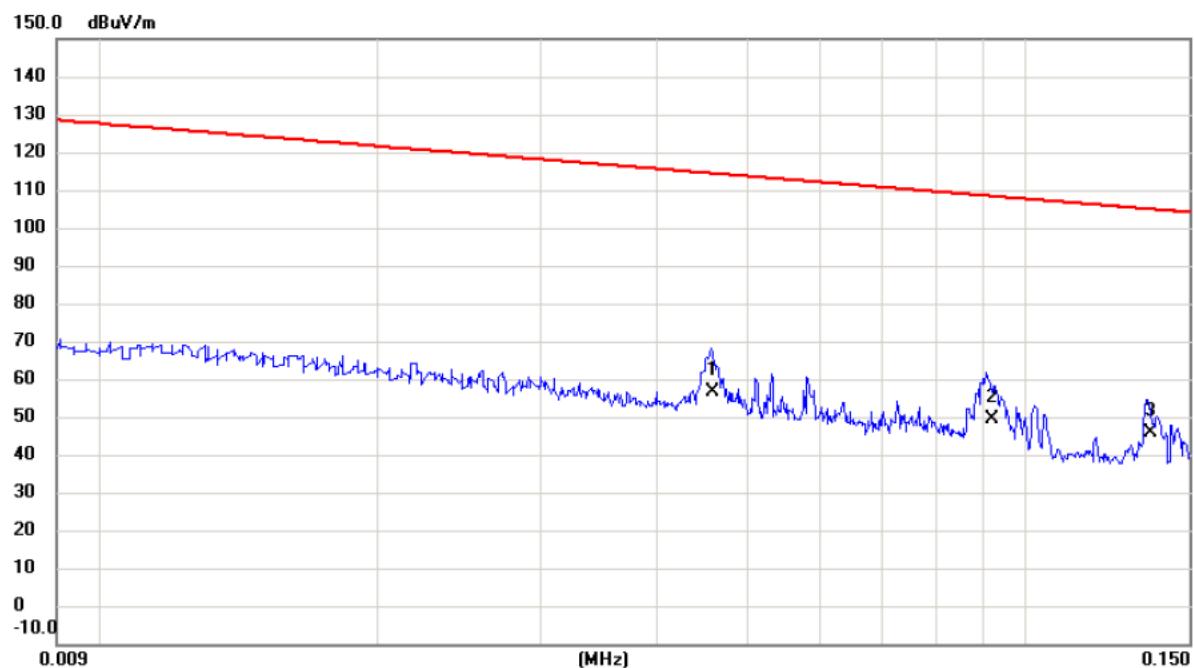


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dB	Margin dB	Detector	Comment
1 *	0.1660	40.64	9.49	50.13	65.16	-15.03	Peak	
2	0.2220	32.25	9.57	41.82	62.74	-20.92	Peak	
3	0.2980	24.95	9.58	34.53	60.30	-25.77	Peak	
4	6.7860	28.13	10.21	38.34	60.00	-21.66	Peak	
5	13.0380	27.12	10.66	37.78	60.00	-22.22	Peak	
6	9.3220	27.49	10.50	37.99	60.00	-22.01	Peak	

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

Test Mode: TX MODE

Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	0.046	36.22	20.31	56.53	114.35	-57.82	AVG
2		0.092	30.66	18.78	49.44	108.33	-58.89	AVG
3		0.136	27.09	18.66	45.75	104.93	-59.18	AVG

Test Mode: TX MODE

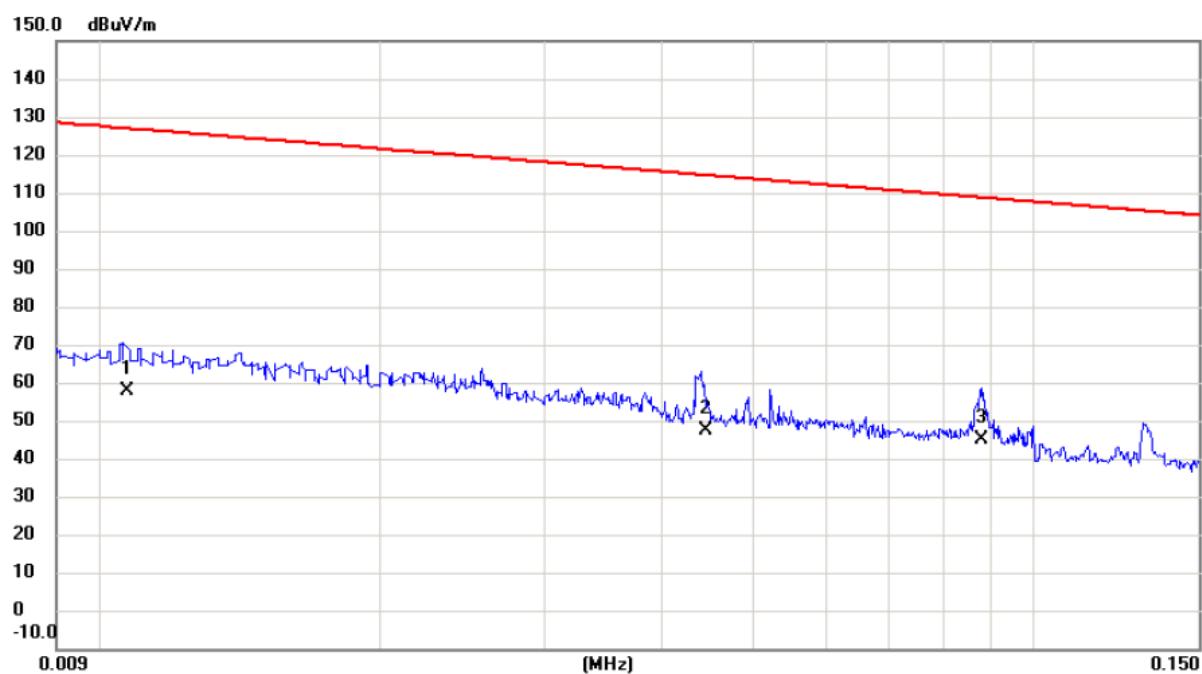
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		0.346	21.42	18.55	39.97	96.83	-56.86	Avg
2		0.975	22.58	17.76	40.34	67.82	-27.48	QP
3 *		2.286	32.68	17.54	50.22	69.54	-19.32	QP

Test Mode: TX MODE

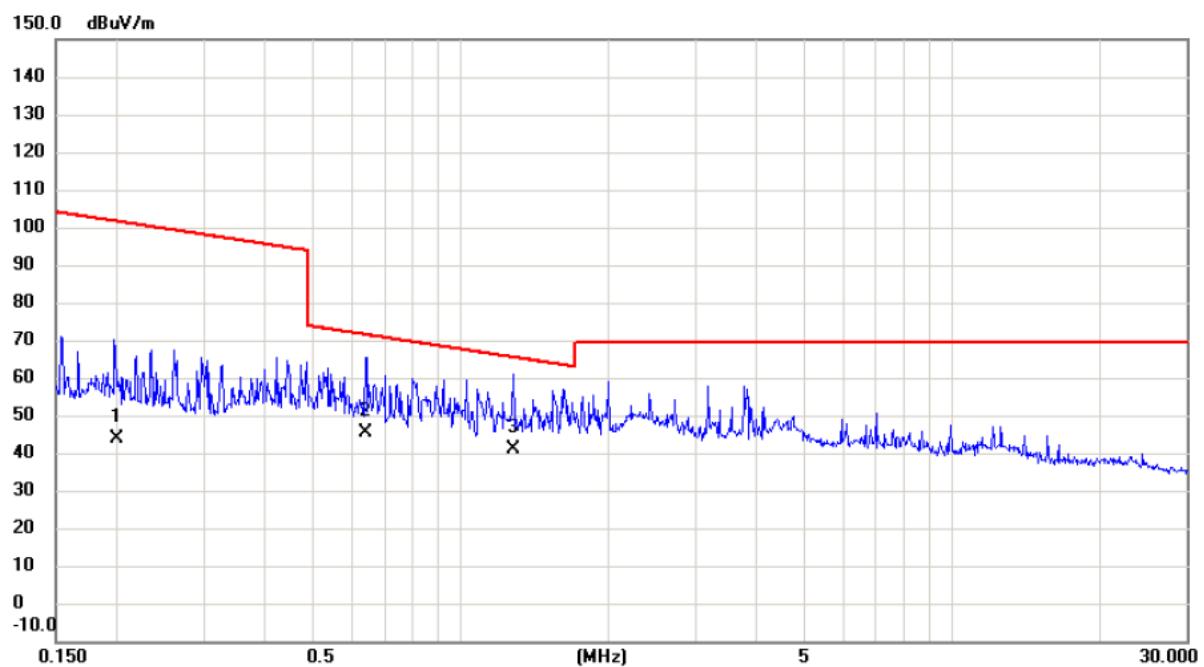
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin Detector	Comment
1		0.011	33.59	24.08	57.67	127.02	-69.35	AVG
2		0.044	26.80	20.50	47.30	114.64	-67.34	AVG
3 *		0.088	26.11	18.97	45.08	108.73	-63.65	AVG

Test Mode: TX MODE

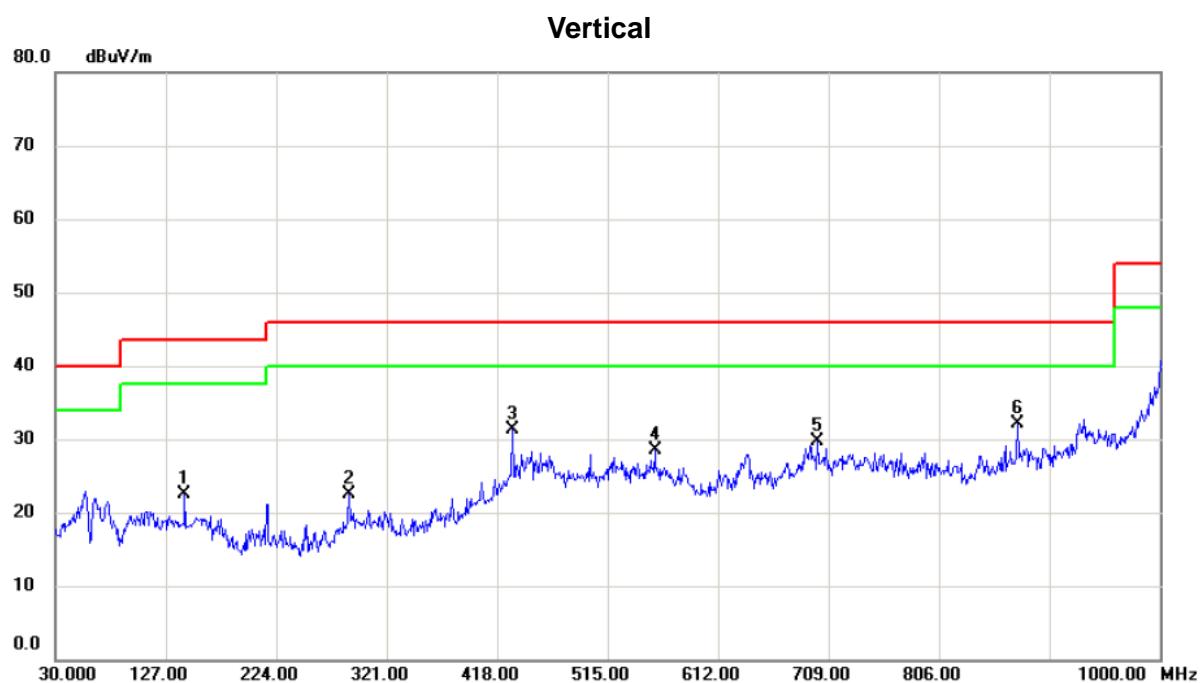
Ant 90°



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dB <sub>BuV</sub>	dB	dB <sub>BuV/m</sub>	dB <sub>BuV/m</sub>	dB		
1		0.199	25.10	18.69	43.79	101.63	-57.84	AVG	
2		0.640	27.11	18.43	45.54	71.48	-25.94	QP	
3 *		1.282	23.08	17.75	40.83	65.45	-24.62	QP	

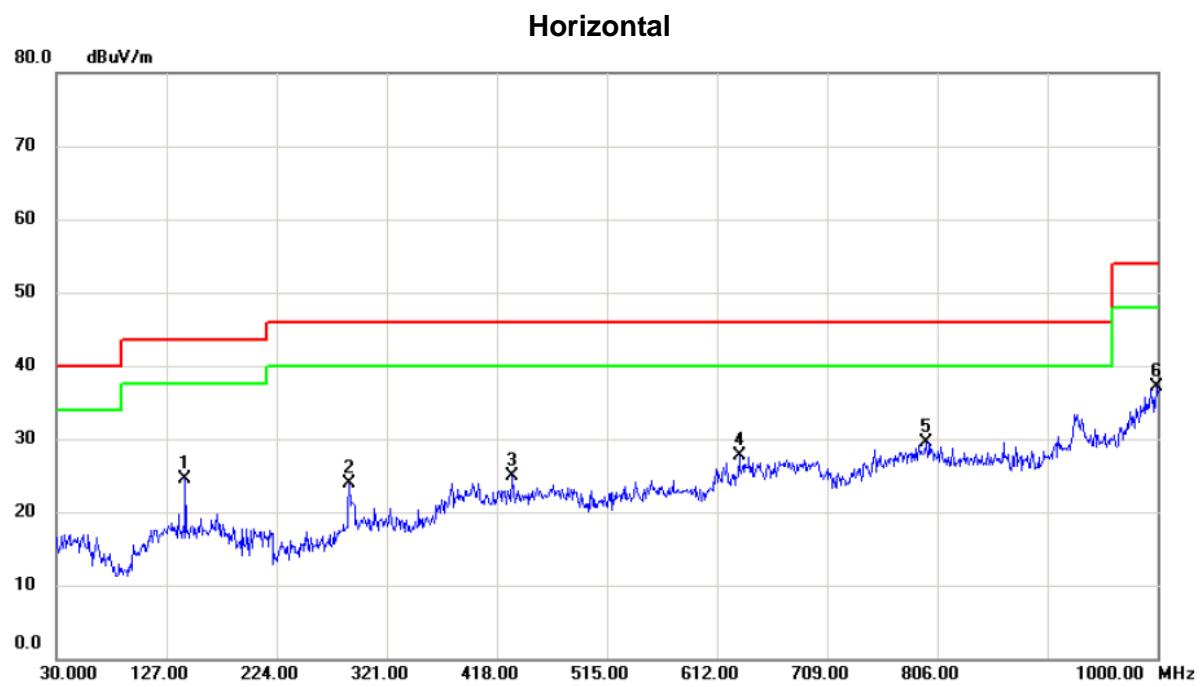
**ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)**

Test Mode: TX B MODE 2412MHz



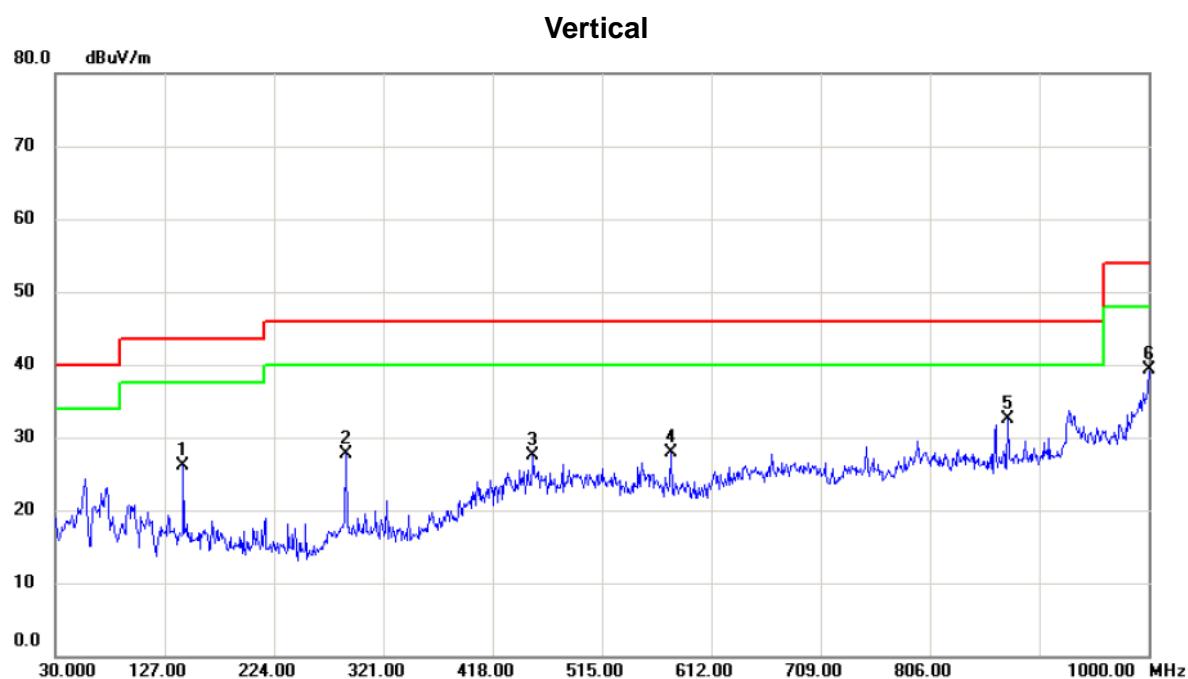
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment Limit dBuV/m	Limit dB	Margin Detector	Comment
1		143.490	30.94	-8.42	22.52	43.50	-20.98	peak
2		288.020	29.31	-6.78	22.53	46.00	-23.47	peak
3		431.580	35.41	-4.12	31.29	46.00	-14.71	peak
4		556.710	30.78	-2.33	28.45	46.00	-17.55	peak
5		699.300	29.39	0.22	29.61	46.00	-16.39	peak
6 *		874.870	30.19	1.85	32.04	46.00	-13.96	peak

Test Mode: TX B MODE 2412MHz



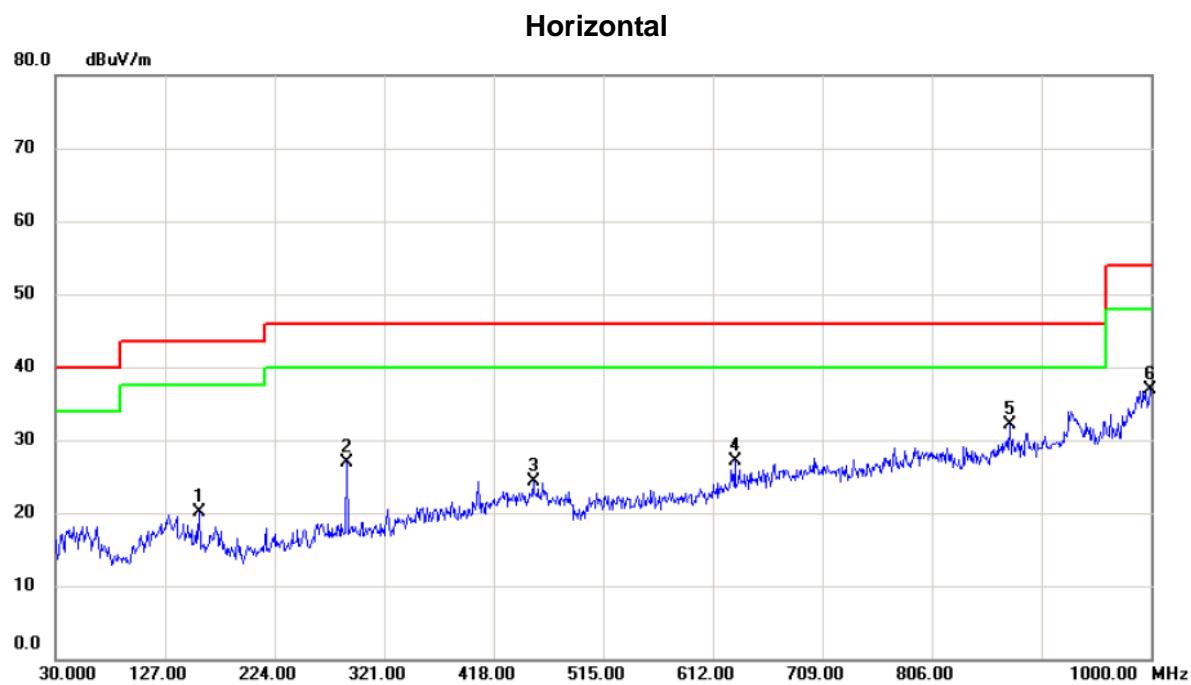
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		143.490	33.02	-8.42	24.60	43.50	-18.90	peak	
2		288.020	30.74	-6.78	23.96	46.00	-22.04	peak	
3		431.580	29.04	-4.12	24.92	46.00	-21.08	peak	
4		631.400	28.61	-0.86	27.75	46.00	-18.25	peak	
5 *		796.300	27.51	1.99	29.50	46.00	-16.50	peak	
6		999.030	32.07	4.95	37.02	54.00	-16.98	peak	

Test Mode: TX B MODE 2437MHz



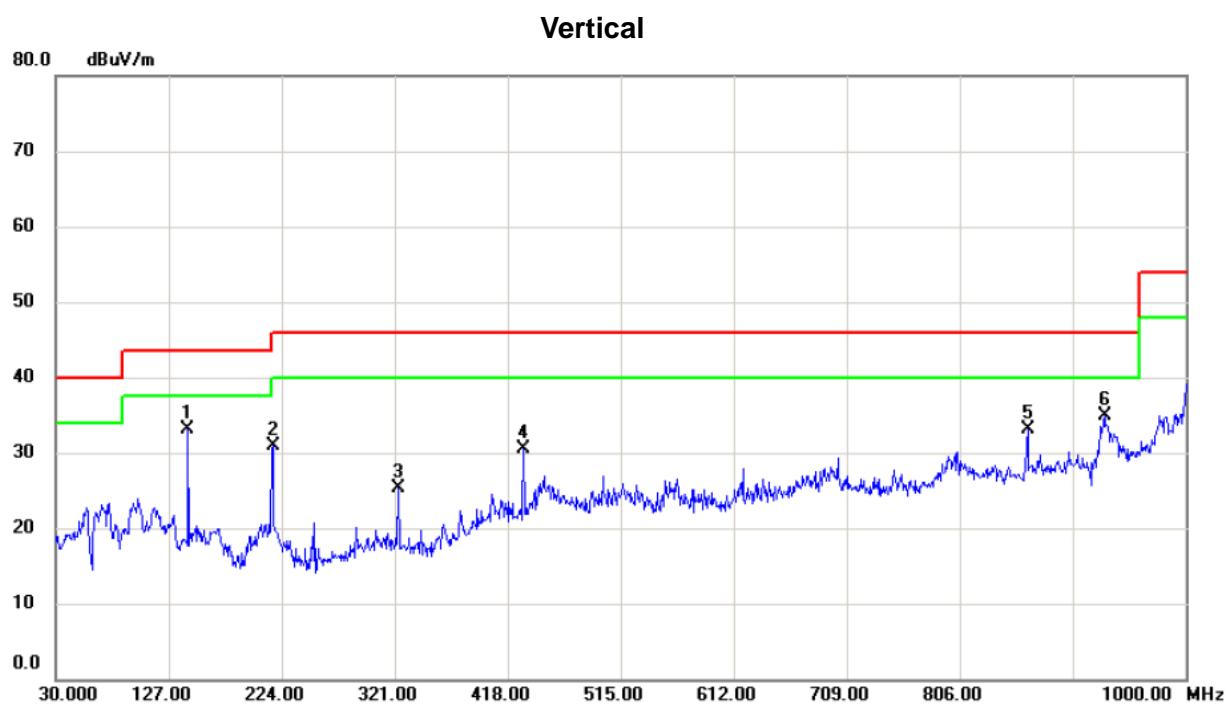
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB	
1		143.490	34.47	-8.42	26.05	43.50	-17.45	peak
2		288.020	34.57	-6.78	27.79	46.00	-18.21	peak
3		453.890	31.18	-3.74	27.44	46.00	-18.56	peak
4		576.110	29.71	-1.84	27.87	46.00	-18.13	peak
5 *		874.870	30.75	1.85	32.60	46.00	-13.40	peak
6		1000.000	34.44	4.95	39.39	54.00	-14.61	peak

Test Mode: TX B MODE 2437MHz



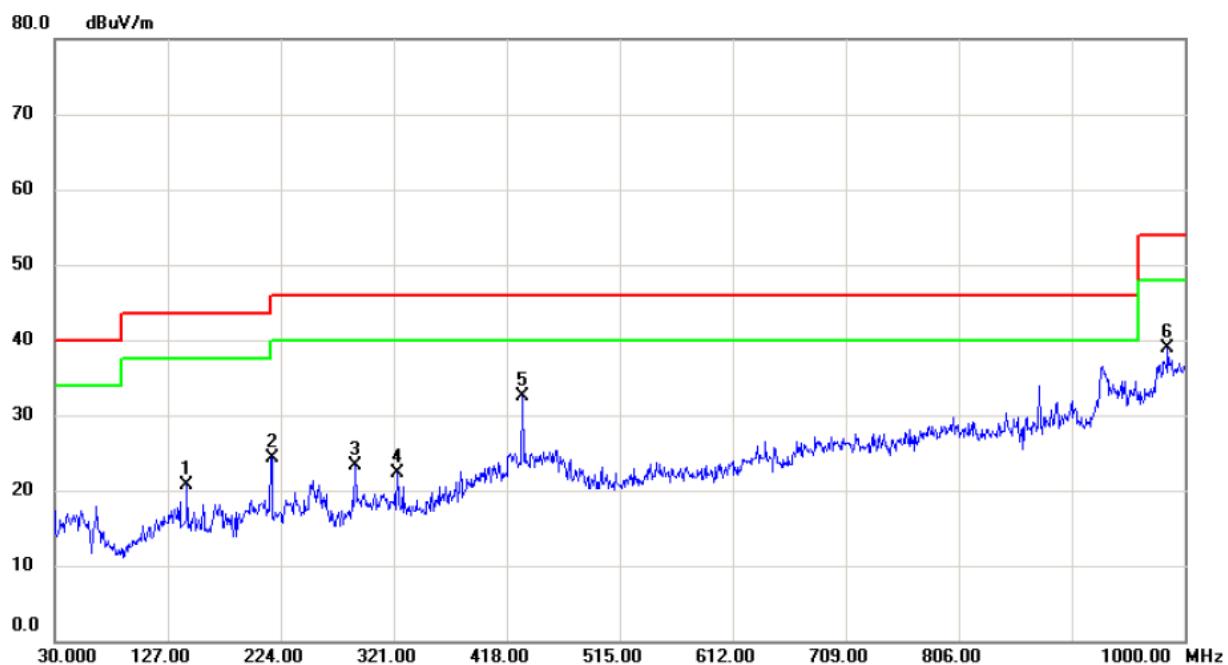
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		157.070	28.22	-8.11	20.11	43.50	-23.39	peak	
2		288.020	33.71	-6.78	26.93	46.00	-19.07	peak	
3		452.920	28.10	-3.74	24.36	46.00	-21.64	peak	
4		631.400	27.92	-0.86	27.06	46.00	-18.94	peak	
5 *		874.870	28.70	3.34	32.04	46.00	-13.96	peak	
6		999.030	32.04	4.95	36.99	54.00	-17.01	peak	

Test Mode: TX B MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	143.490	41.51	-8.42	33.09	43.50	-10.41	peak	
2		216.240	41.09	-10.19	30.90	46.00	-15.10	peak	
3		323.910	31.12	-5.86	25.26	46.00	-20.74	peak	
4		431.580	34.60	-4.12	30.48	46.00	-15.52	peak	
5		864.200	30.87	2.28	33.15	46.00	-12.85	peak	
6		930.160	31.89	3.08	34.97	46.00	-11.03	peak	

Test Mode: TX B MODE 2462MHz

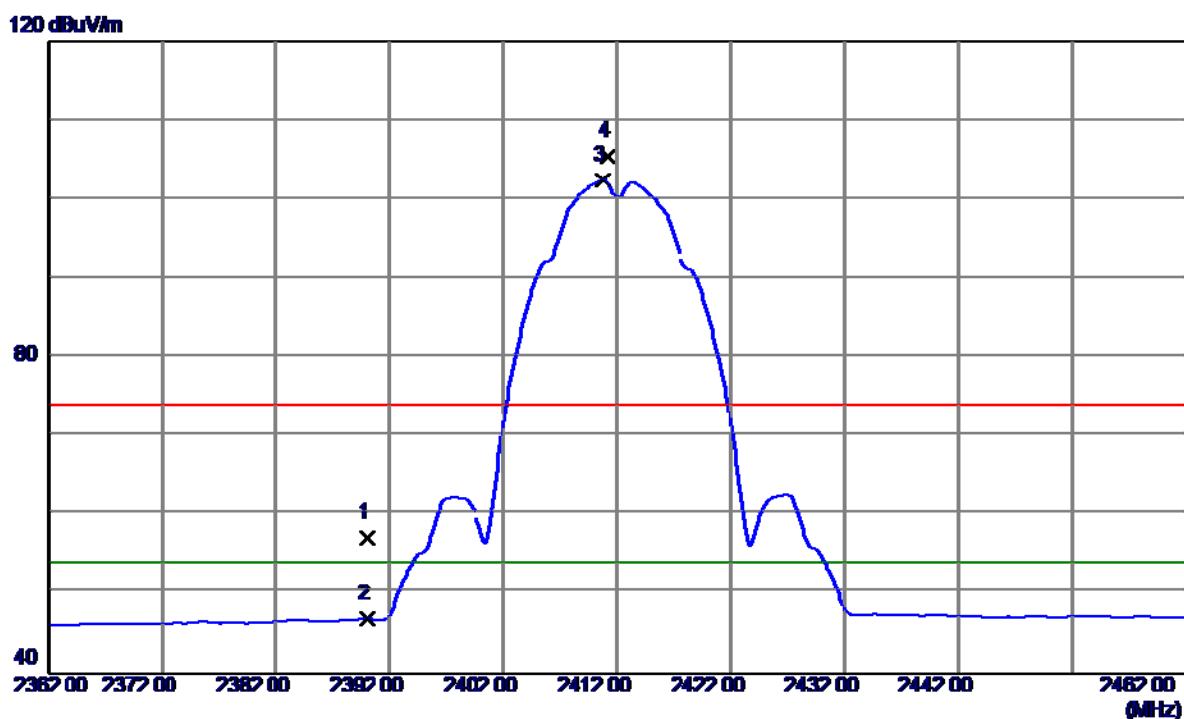
**Horizontal**

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		143.490	29.22	-8.42	20.80	43.50	-22.70	peak	
2		216.240	34.57	-10.19	24.38	46.00	-21.62	peak	
3		288.020	30.09	-6.78	23.31	46.00	-22.69	peak	
4		323.910	28.14	-5.86	22.28	46.00	-23.72	peak	
5 *		431.580	36.65	-4.12	32.53	46.00	-13.47	peak	
6		985.450	33.97	4.84	38.81	54.00	-15.19	peak	

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

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

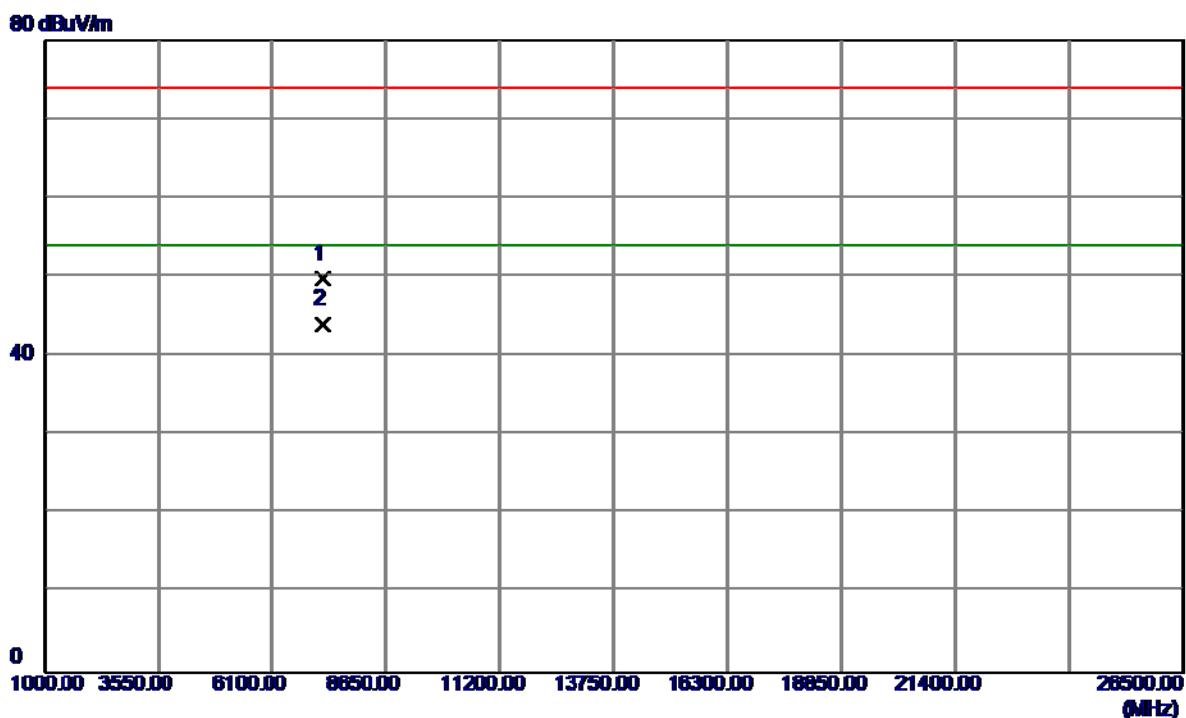
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.03	33.15	57.18	74.00	-16.82	Peak	
2	2390.0000	13.66	33.15	46.81	54.00	-7.19	Avg	
3 *	2410.8000	69.15	33.28	102.43	54.00	48.43	Avg	No Limit
4	2411.2000	72.12	33.29	105.41	74.00	31.41	Peak	No Limit

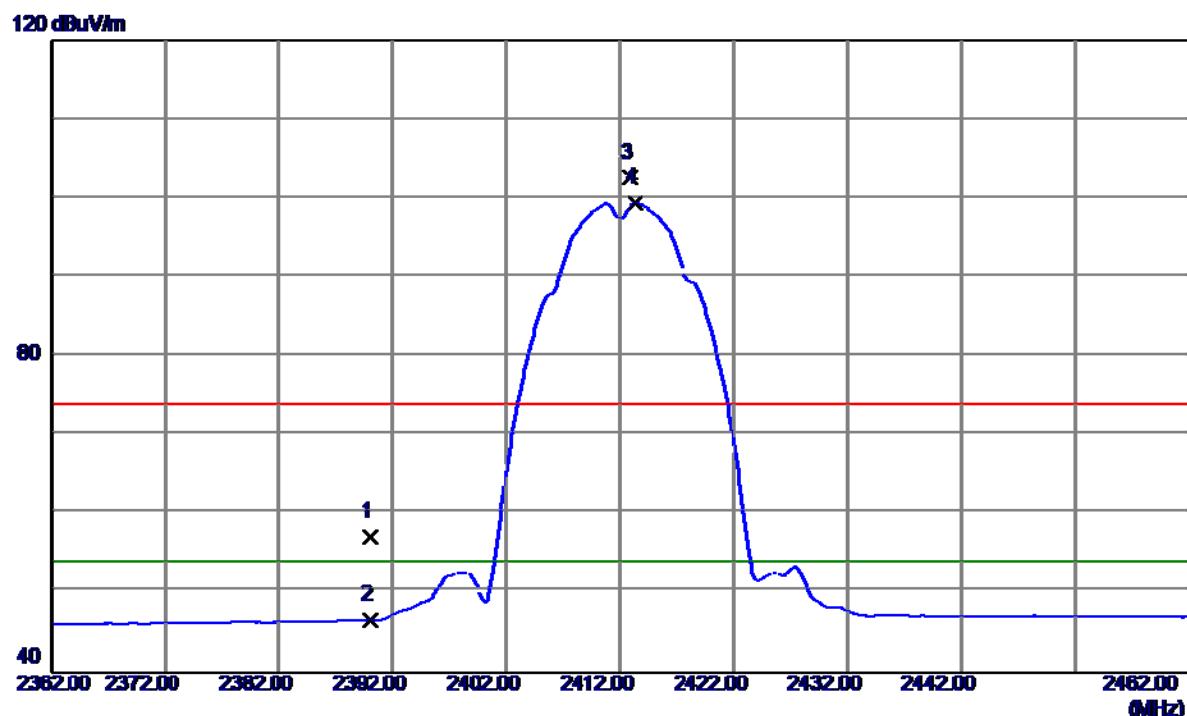
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

## Vertical



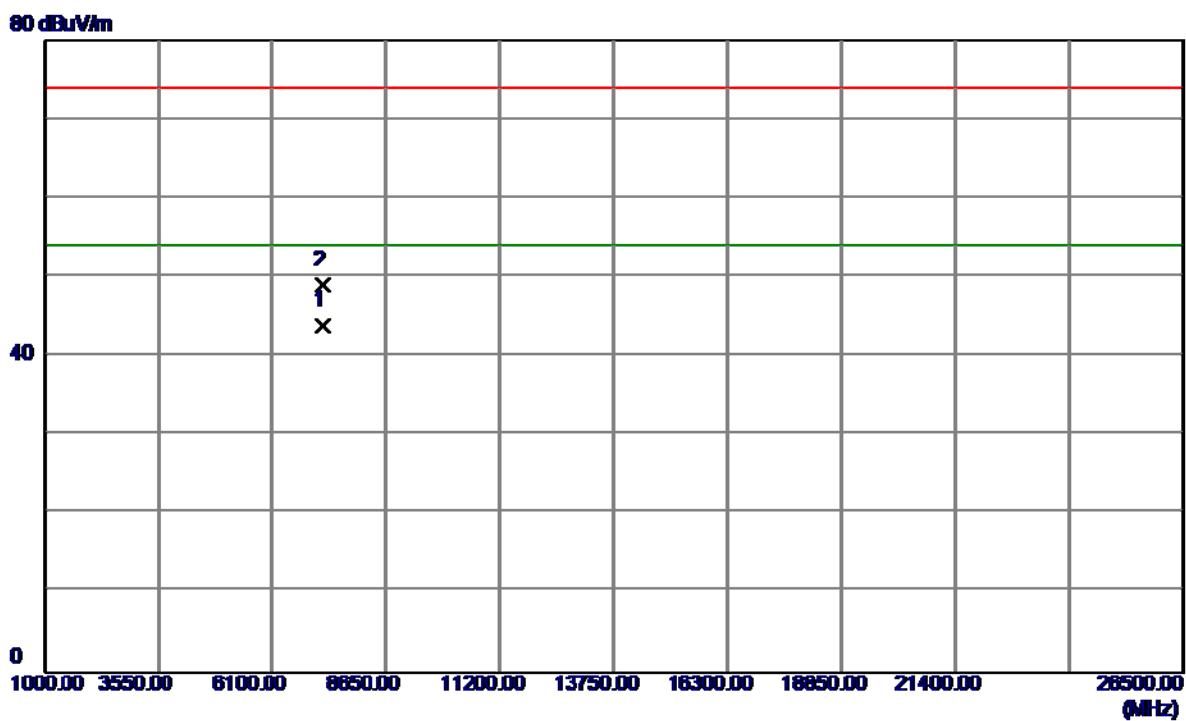
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7235.4600	37.89	11.82	49.71	74.00	-24.29	Peak	
2 *	7236.1500	32.24	11.82	44.06	54.00	-9.94	AVG	

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

**Horizontal**

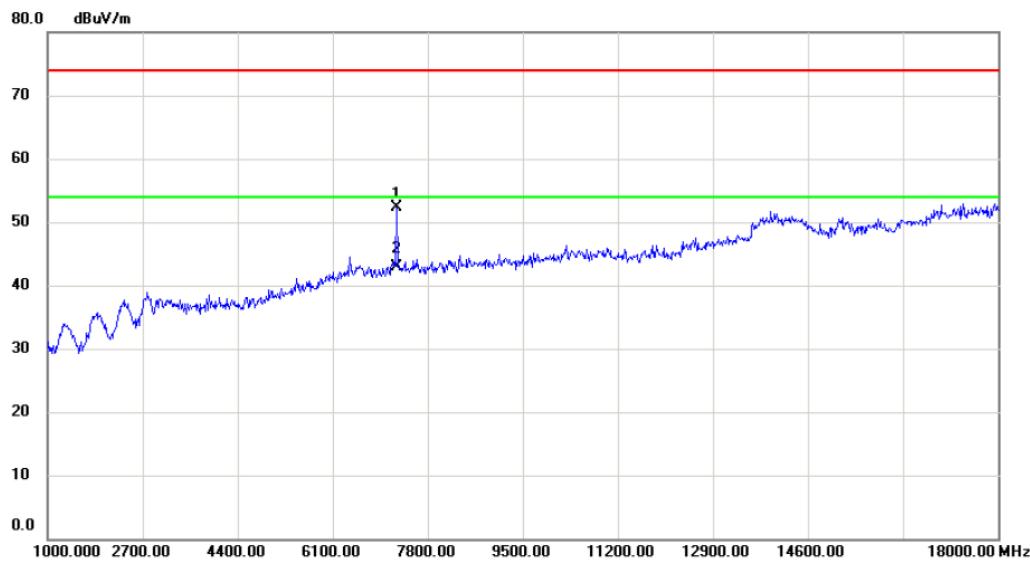
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.91	33.15	57.06	74.00	-16.94	Peak	
2	2390.0000	13.38	33.15	46.53	54.00	-7.47	Avg	
3	2412.9000	69.30	33.30	102.60	74.00	28.60	Peak	No Limit
4 *	2413.3000	66.12	33.30	99.42	54.00	45.42	Avg	No Limit

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

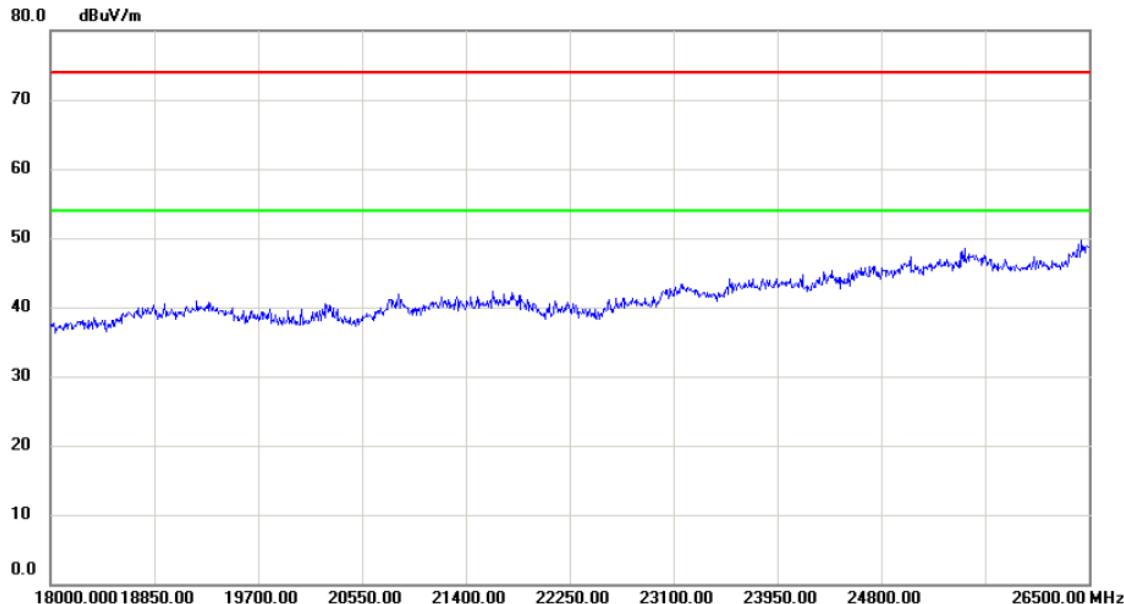
**Horizontal**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7235.1700	33.48	10.38	43.86	54.00	-10.14	AVG	
2	7235.2800	38.63	10.39	49.02	74.00	-24.98	Peak	

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

**Horizontal**

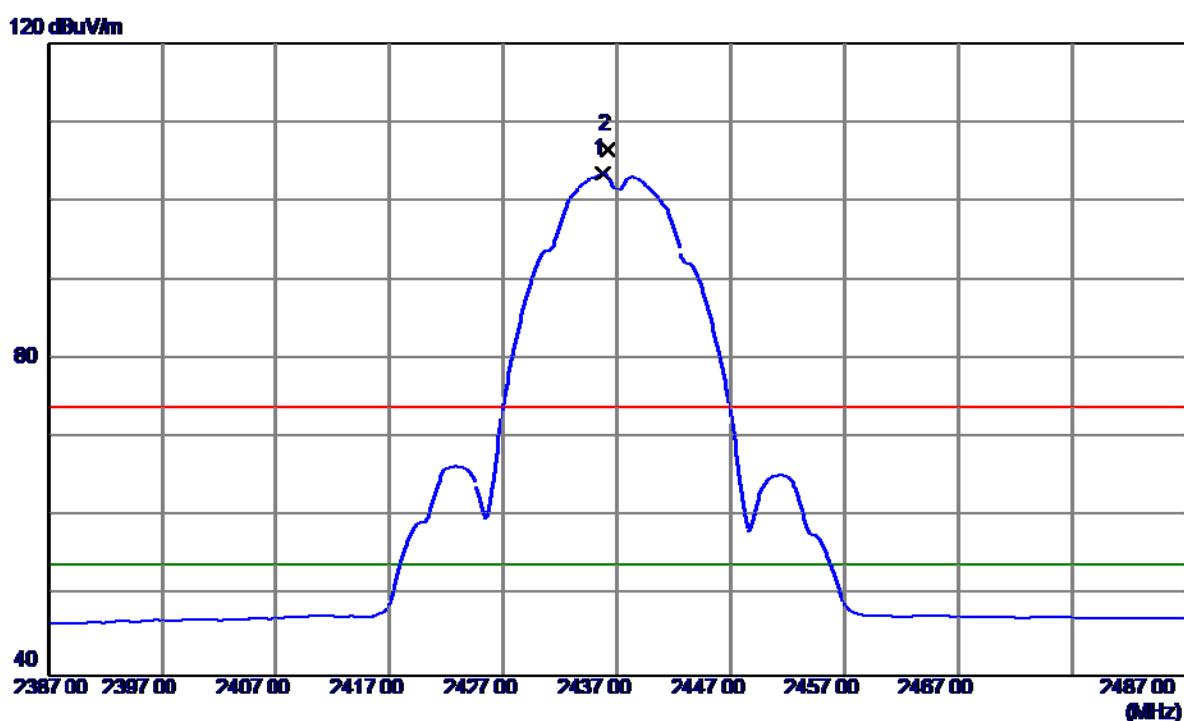
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		7239.000	40.99	11.23	52.22	74.00	-21.78	peak
2	*	7239.000	31.66	11.23	42.89	54.00	-11.11	AVG



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

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

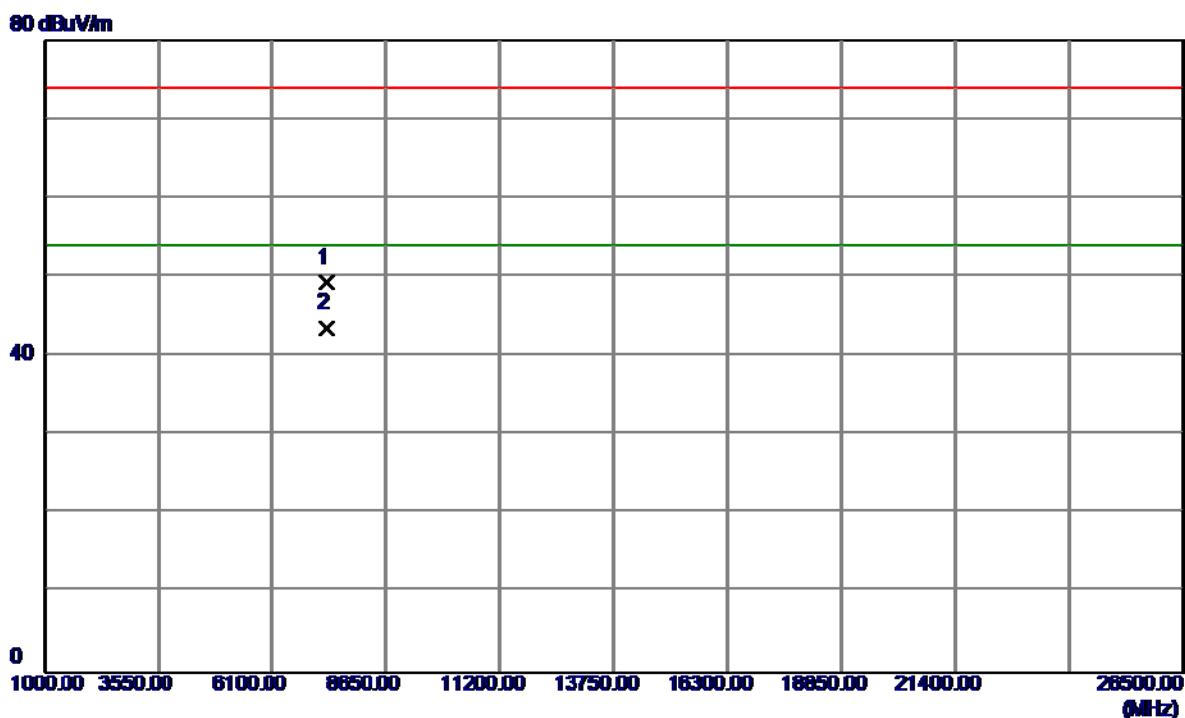
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.8000	70.12	33.45	103.57	54.00	49.57	AVG	No Limit
2	2436.2000	73.10	33.45	106.55	74.00	32.55	Peak	No Limit

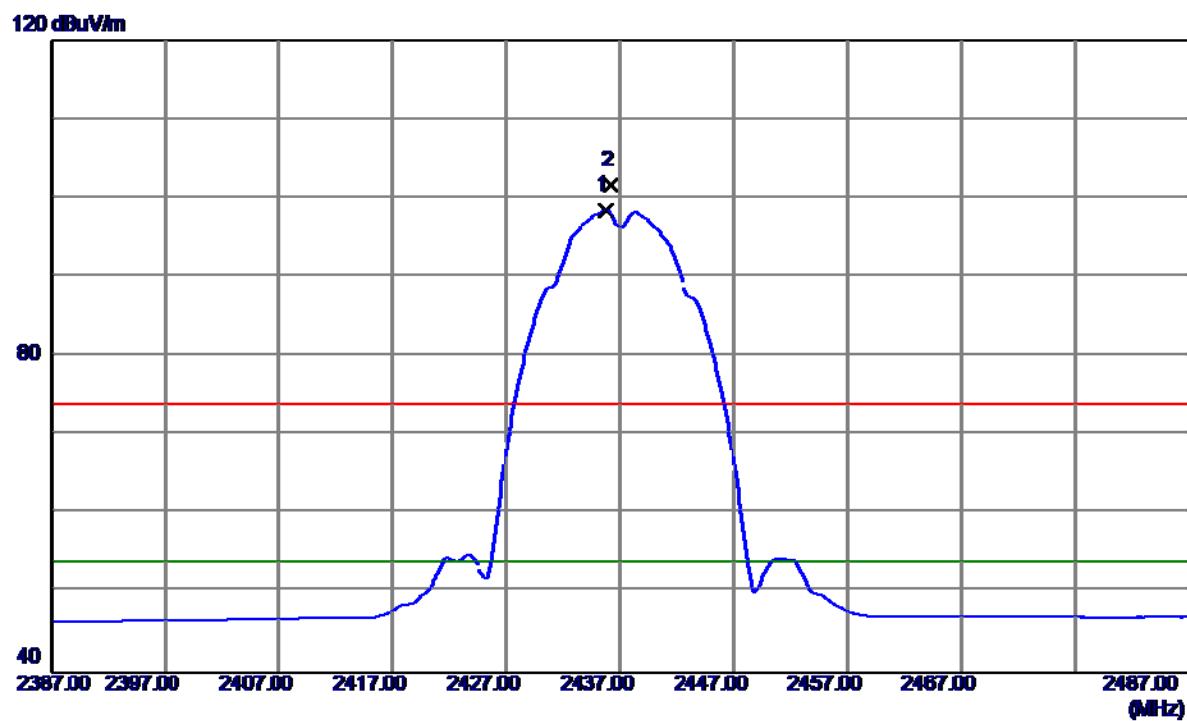
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

## Vertical



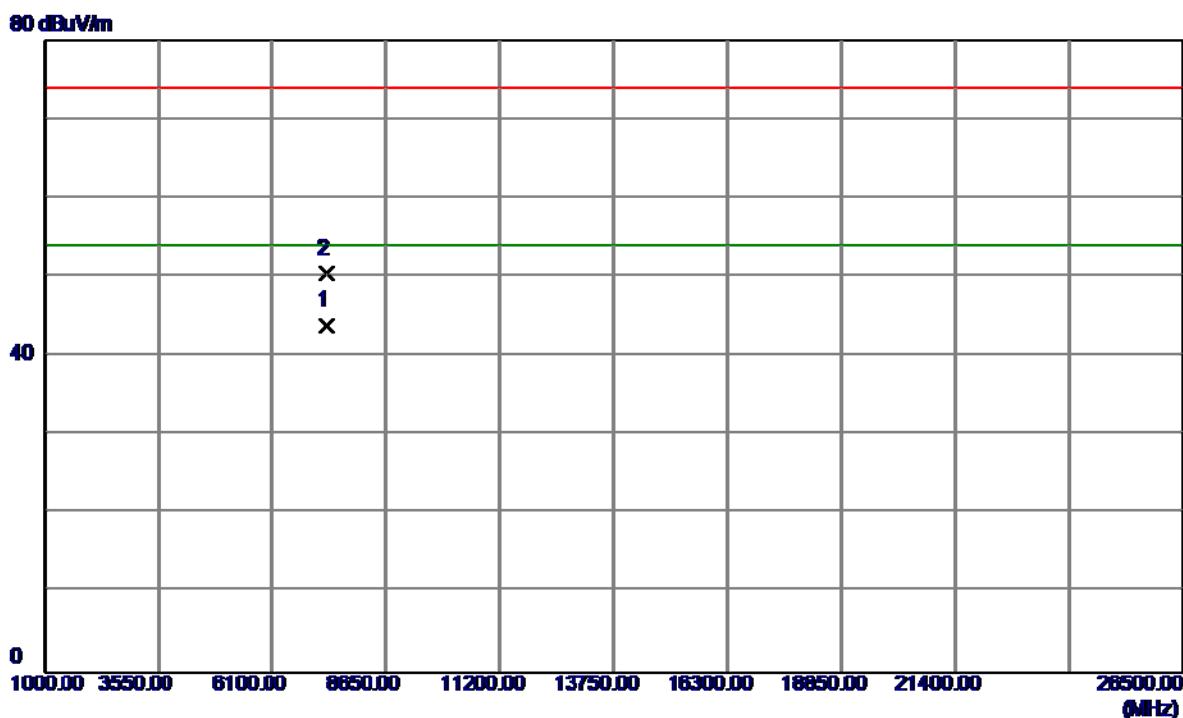
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7310.1200	37.36	11.97	49.33	74.00	-24.67	Peak	
2 *	7310.6000	31.52	11.97	43.49	54.00	-10.51	AVG	

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 *	2435.8000	65.02	33.45	98.47	54.00	44.47	AVG	No Limit
2	2436.2000	68.17	33.45	101.62	74.00	27.62	Peak	No Limit

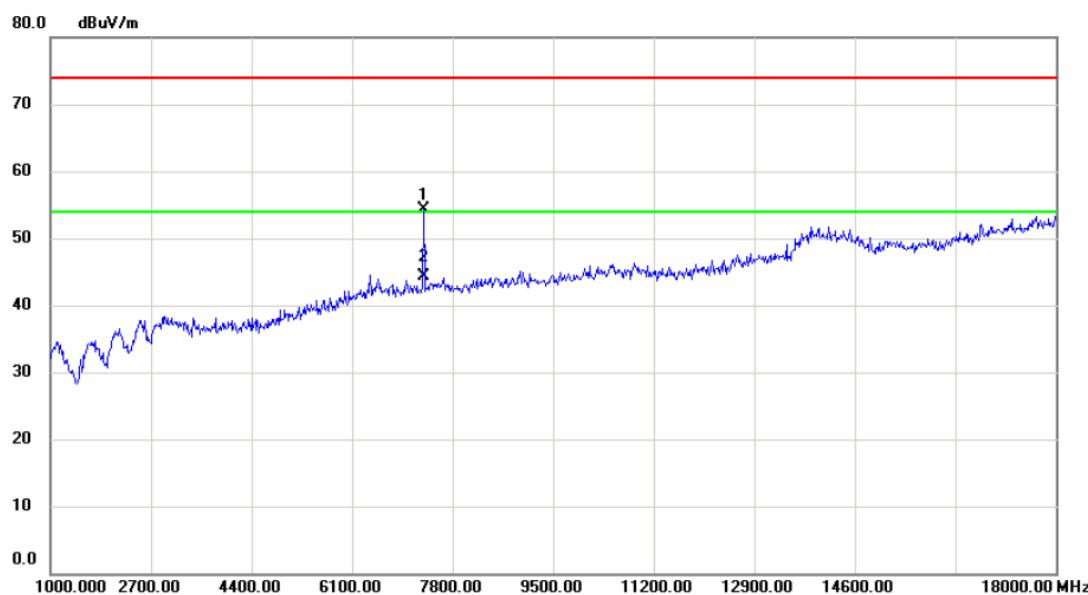
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

**Horizontal**

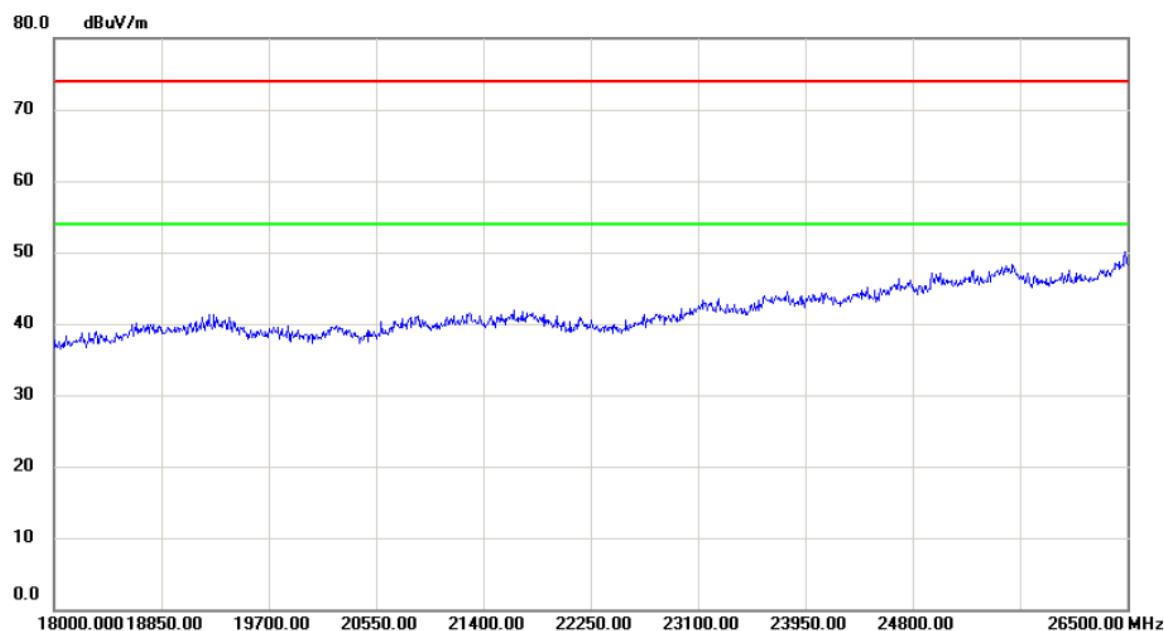
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7310.1300	33.19	10.71	43.90	54.00	-10.10	AVG	
2	7310.3500	39.64	10.72	50.36	74.00	-23.64	Peak	

Orthogonal Axis : X

Test Mode : TX B MODE 2437MHz

**Horizontal**

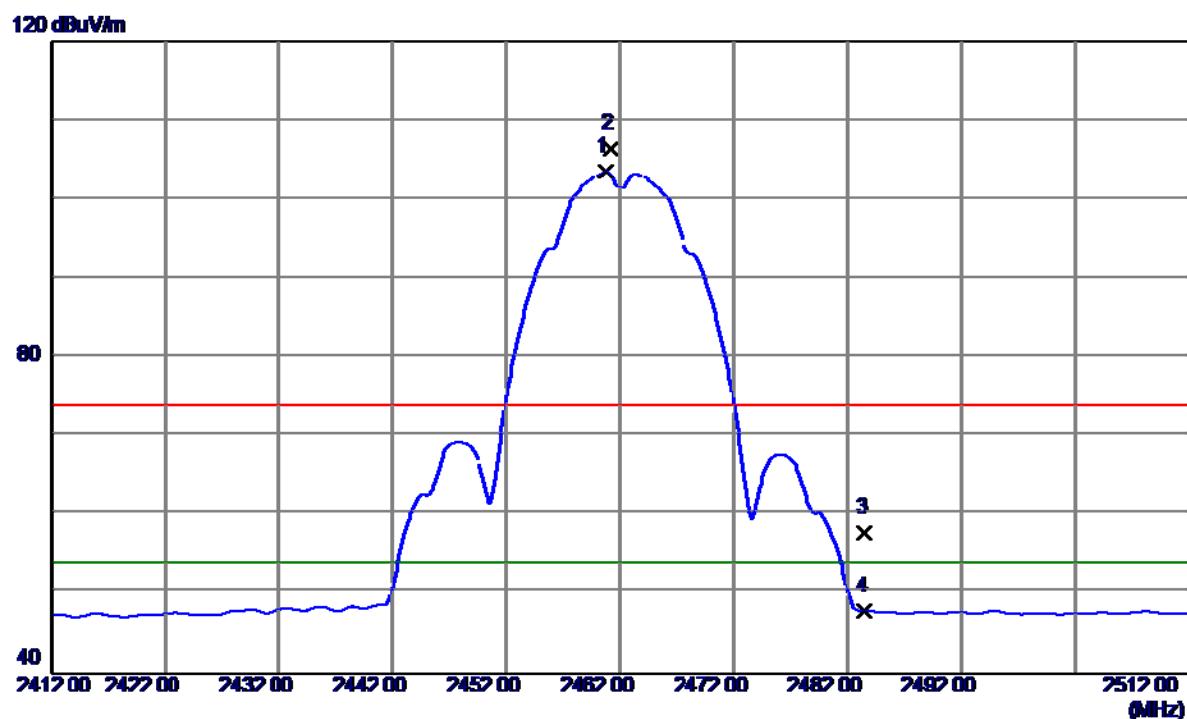
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB	Detector Comment
1		7307.000	42.98	11.36	54.34	74.00	-19.66	peak
2	*	7307.000	32.89	11.36	44.25	54.00	-9.75	AVG



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB	Detector Comment

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

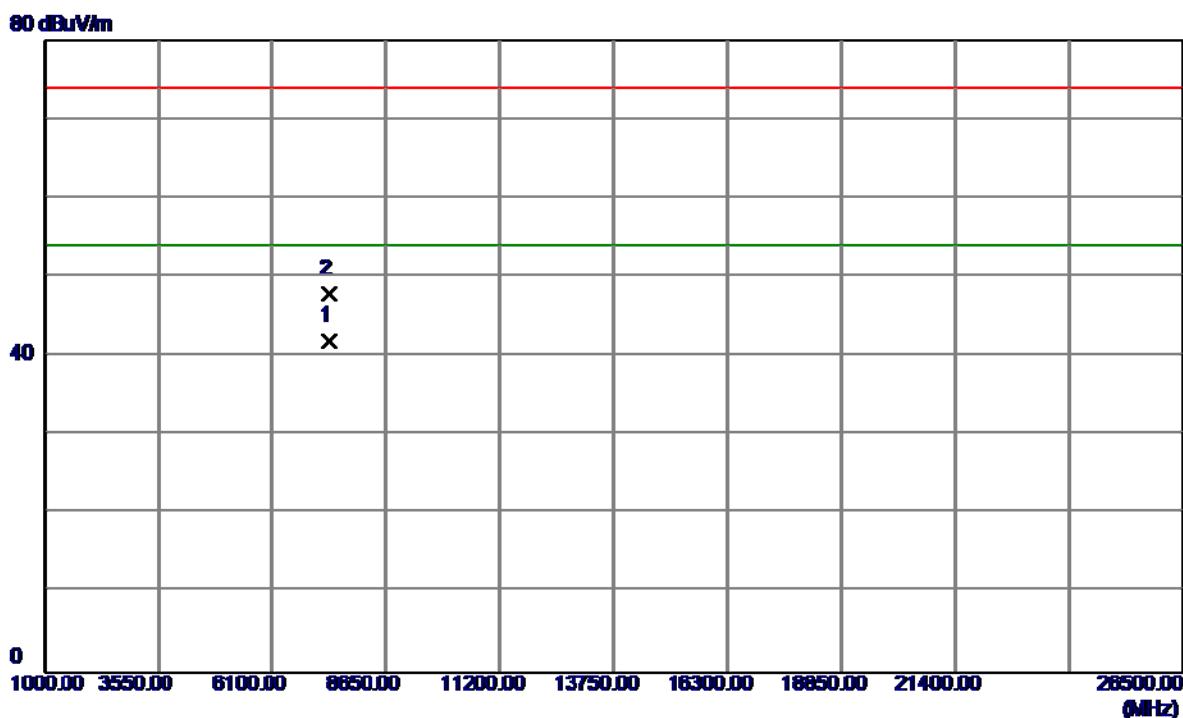
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2460.8000	69.88	33.61	103.49	54.00	49.49	AVG	No Limit
2	2461.2000	72.83	33.61	106.44	74.00	32.44	Peak	No Limit
3	2483.5000	24.07	33.76	57.83	74.00	-16.17	Peak	
4	2483.5000	14.07	33.76	47.83	54.00	-6.17	AVG	

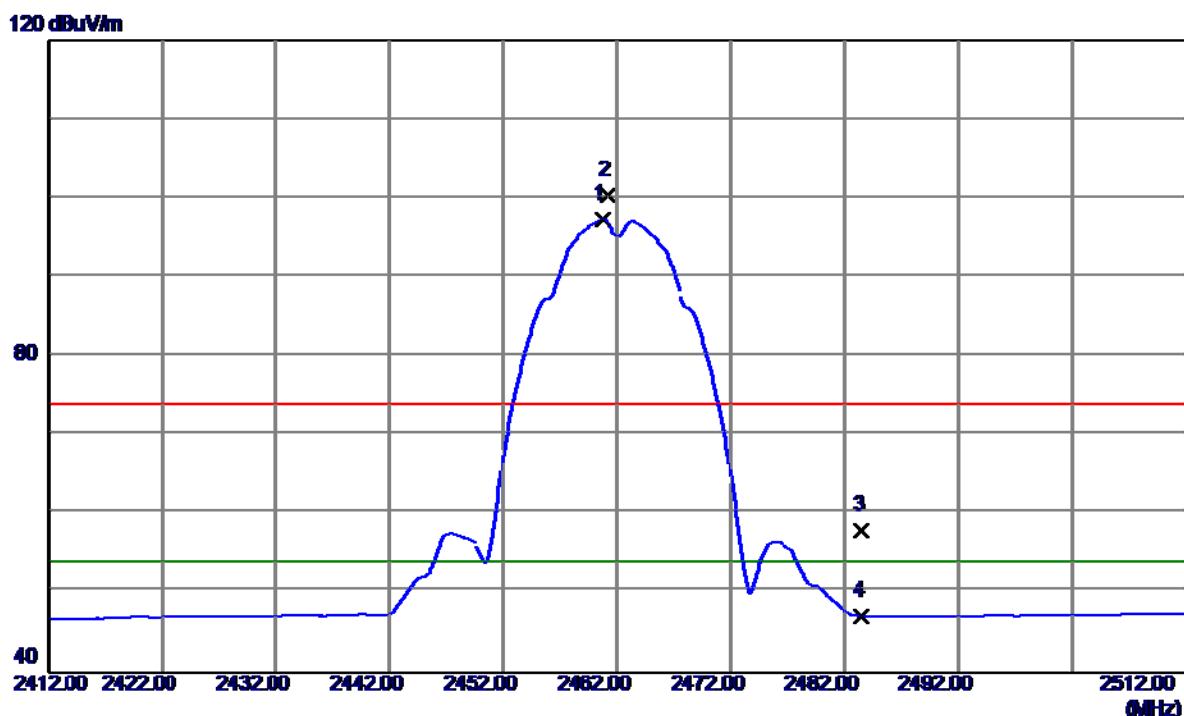
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

## Vertical



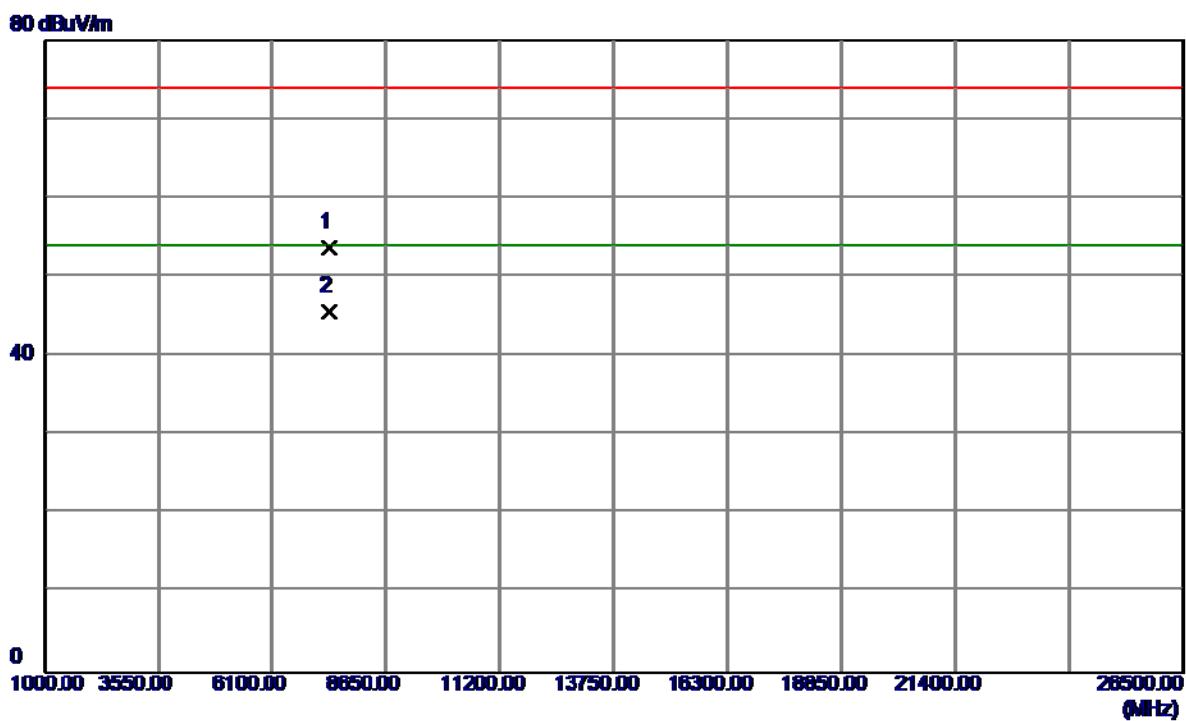
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7385.9400	29.84	12.12	41.96	54.00	-12.04	AVG	
2	7386.2400	35.65	12.12	47.77	74.00	-26.23	Peak	

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 *	2460.8000	63.72	33.61	97.33	54.00	43.33	AVG	No Limit
2	2461.2000	66.72	33.61	100.33	74.00	26.33	Peak	No Limit
3	2483.5000	24.11	33.76	57.87	74.00	-16.13	Peak	
4	2483.5000	13.31	33.76	47.07	54.00	-6.93	AVG	

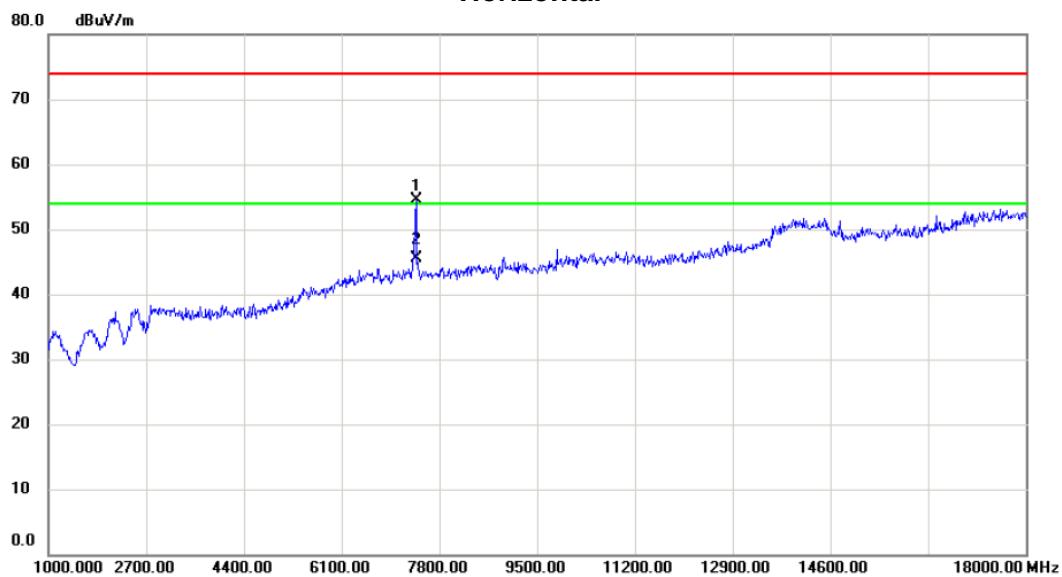
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

**Horizontal**

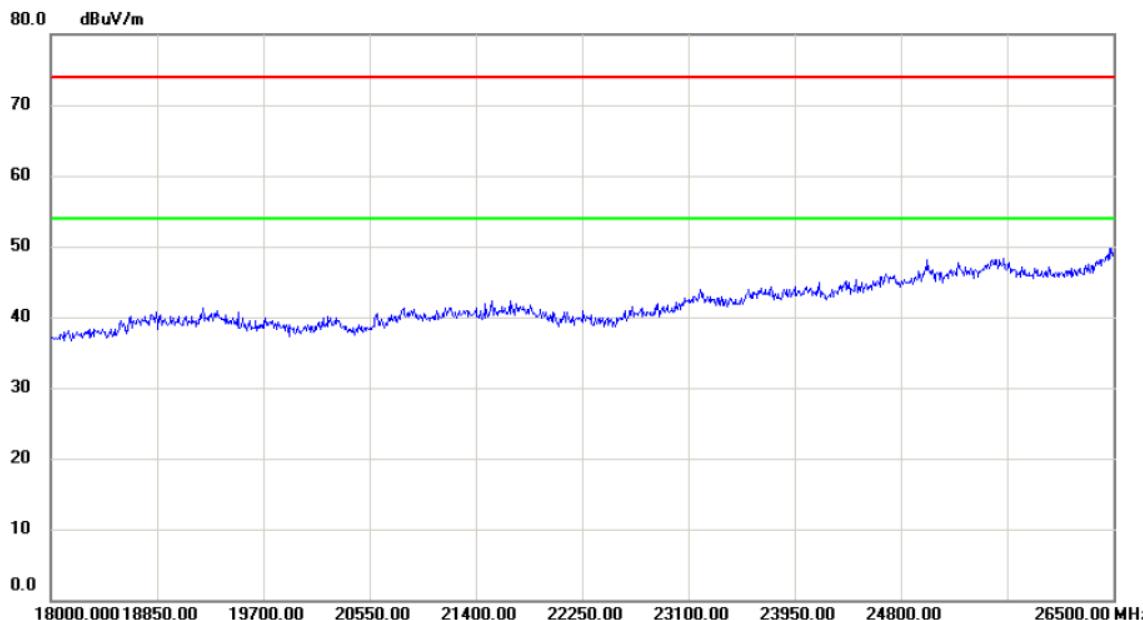
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7386.2500	42.67	11.05	53.72	74.00	-20.28	Peak	
2 *	7386.3700	34.51	11.05	45.56	54.00	-8.44	AVG	

Orthogonal Axis : X

Test Mode : TX B MODE 2462MHz

**Horizontal**

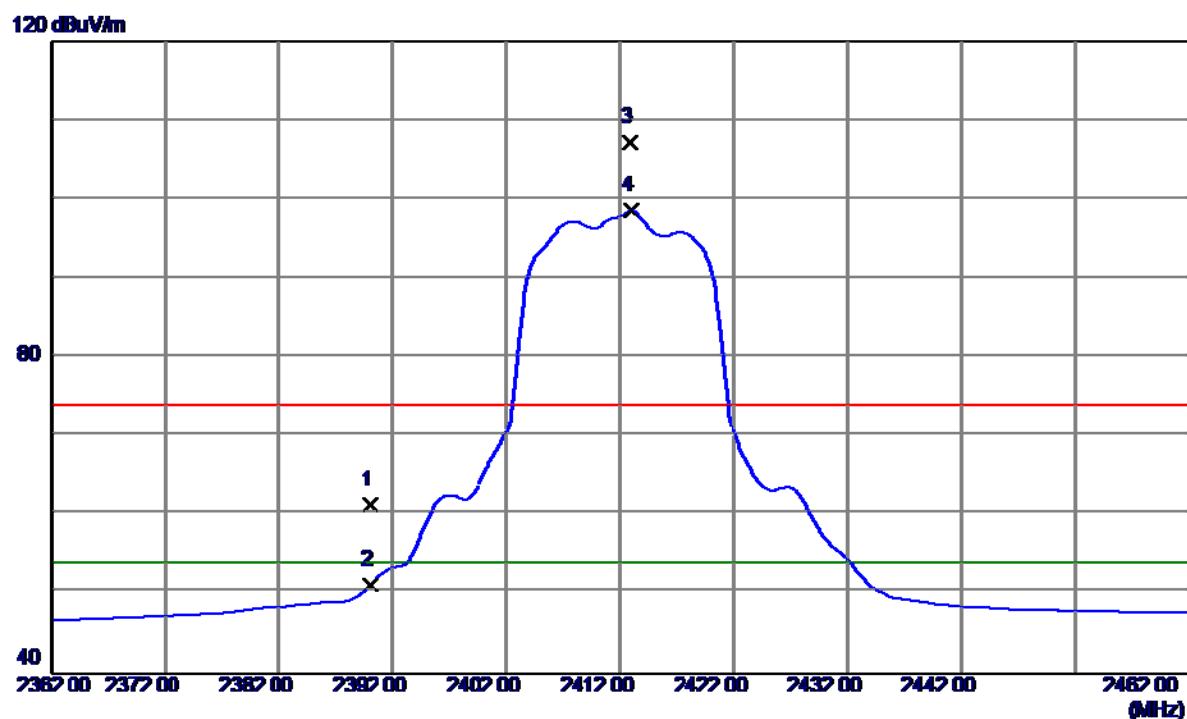
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB	Detector Comment
1		7392.000	42.90	11.53	54.43	74.00	-19.57	peak
2	*	7392.000	33.88	11.53	45.41	54.00	-8.59	AVG



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dB <sub>UV</sub>	dB	dB <sub>UV</sub> /m	dB <sub>UV</sub> /m	dB	Detector Comment

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

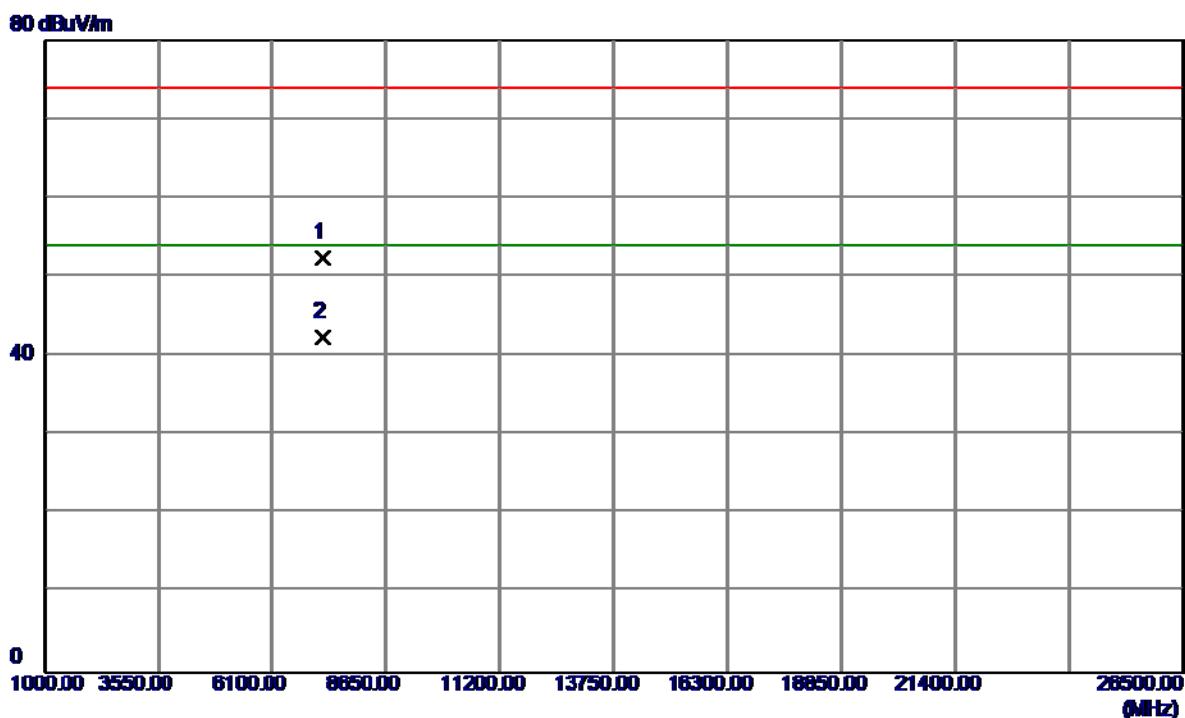
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	28.19	33.15	61.34	74.00	-12.66	Peak	
2	2390.0000	18.03	33.15	51.18	54.00	-2.82	Avg	
3	2412.9000	73.94	33.30	107.24	74.00	33.24	Peak	No Limit
4 *	2413.0000	65.21	33.30	98.51	54.00	44.51	Avg	No Limit

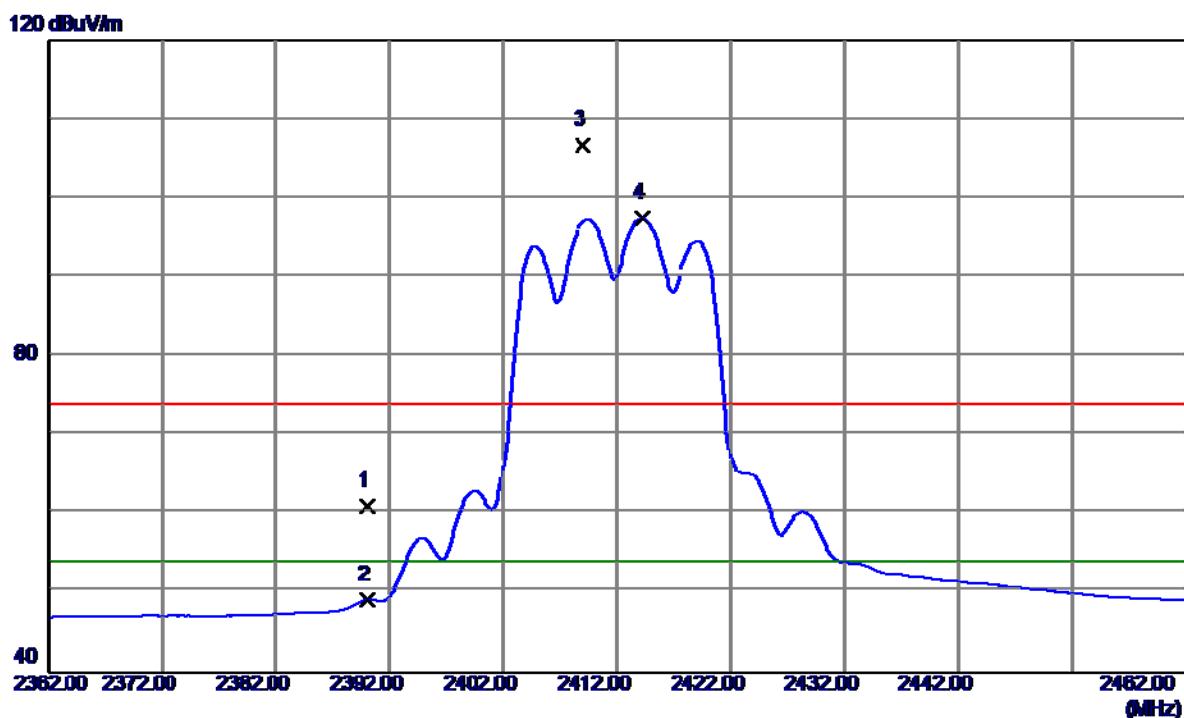
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

## Vertical



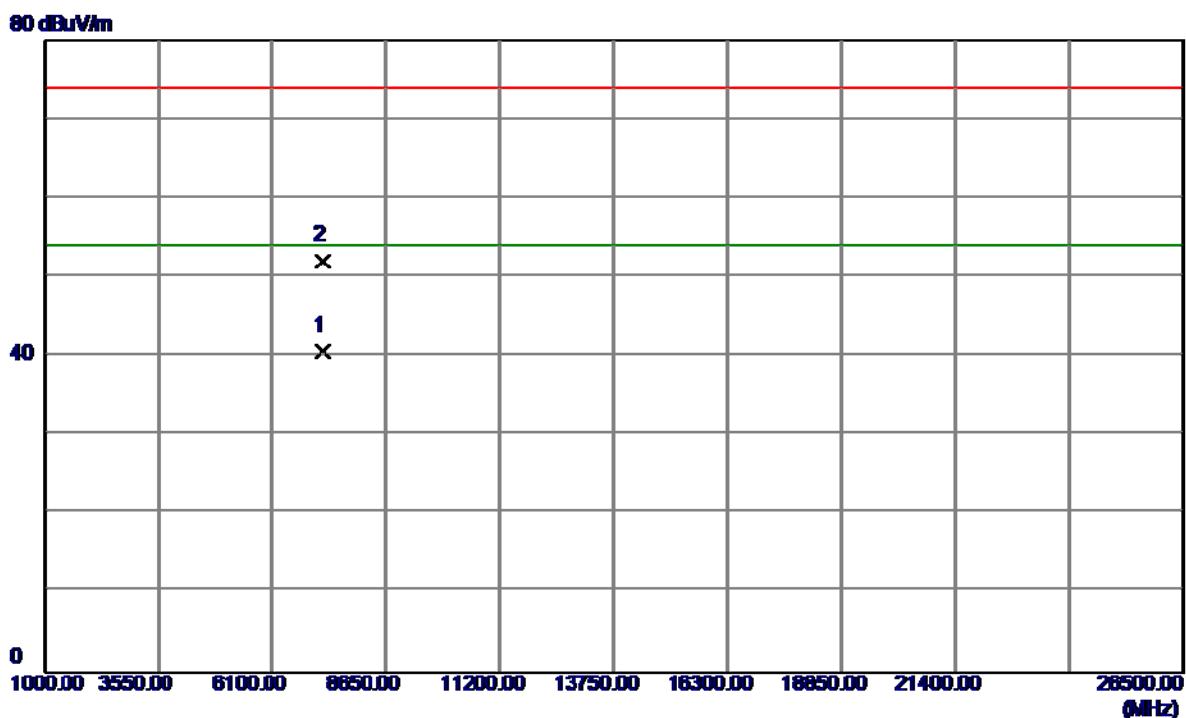
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7234.1600	40.70	11.82	52.52	74.00	-21.48	Peak	
2 *	7236.5700	30.63	11.82	42.45	54.00	-11.55	AVG	

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	27.76	33.15	60.91	74.00	-13.09	Peak	
2	2390.0000	15.98	33.15	49.13	54.00	-4.87	Avg	
3	2409.0000	73.48	33.27	106.75	74.00	32.75	Peak	No Limit
4 *	2414.2000	64.08	33.31	97.39	54.00	43.39	Avg	No Limit

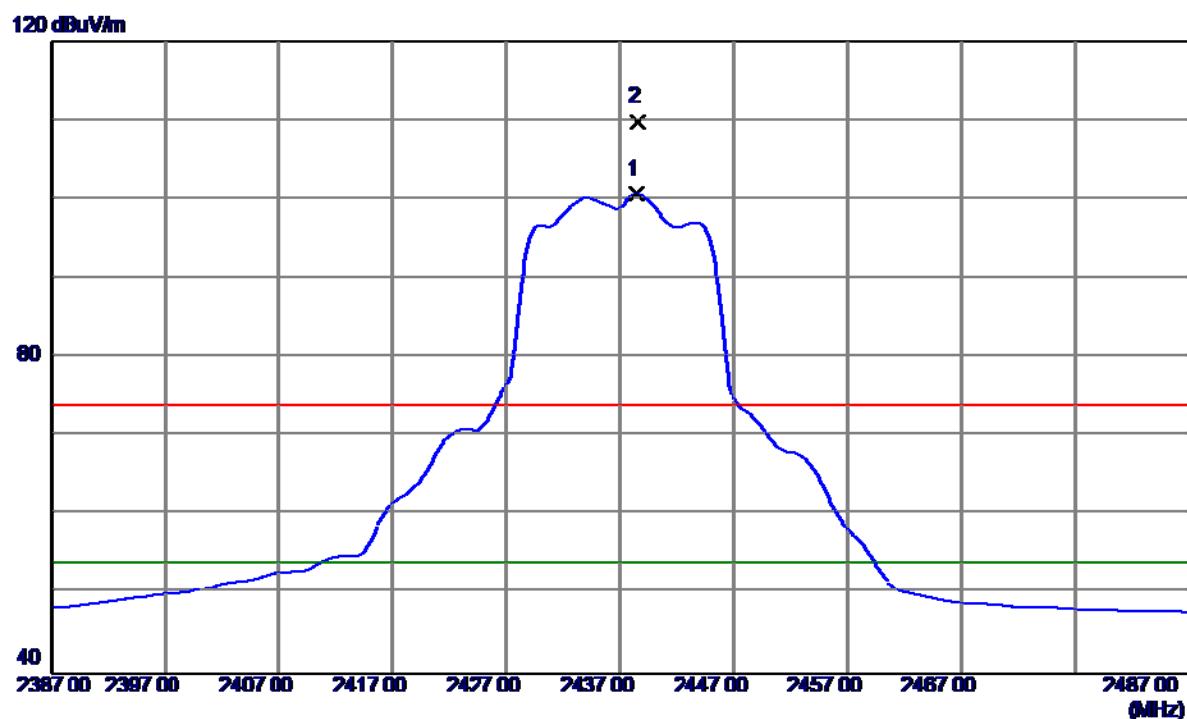
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

**Horizontal**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7237.1800	30.18	10.39	40.57	54.00	-13.43	AVG	
2	7238.4900	41.68	10.40	52.08	74.00	-21.92	Peak	

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

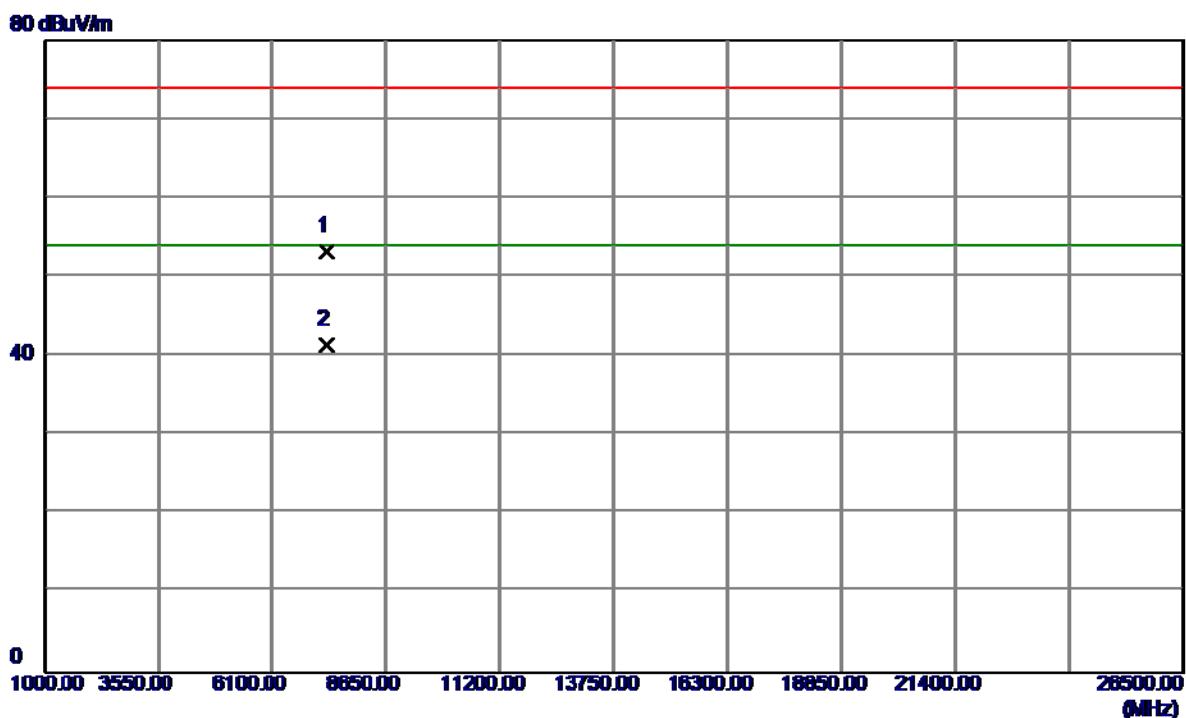
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	2438.4000	67.14	33.46	100.60	54.00	46.60	AVG	No Limit
2	2438.6000	76.35	33.47	109.82	74.00	35.82	Peak	No Limit

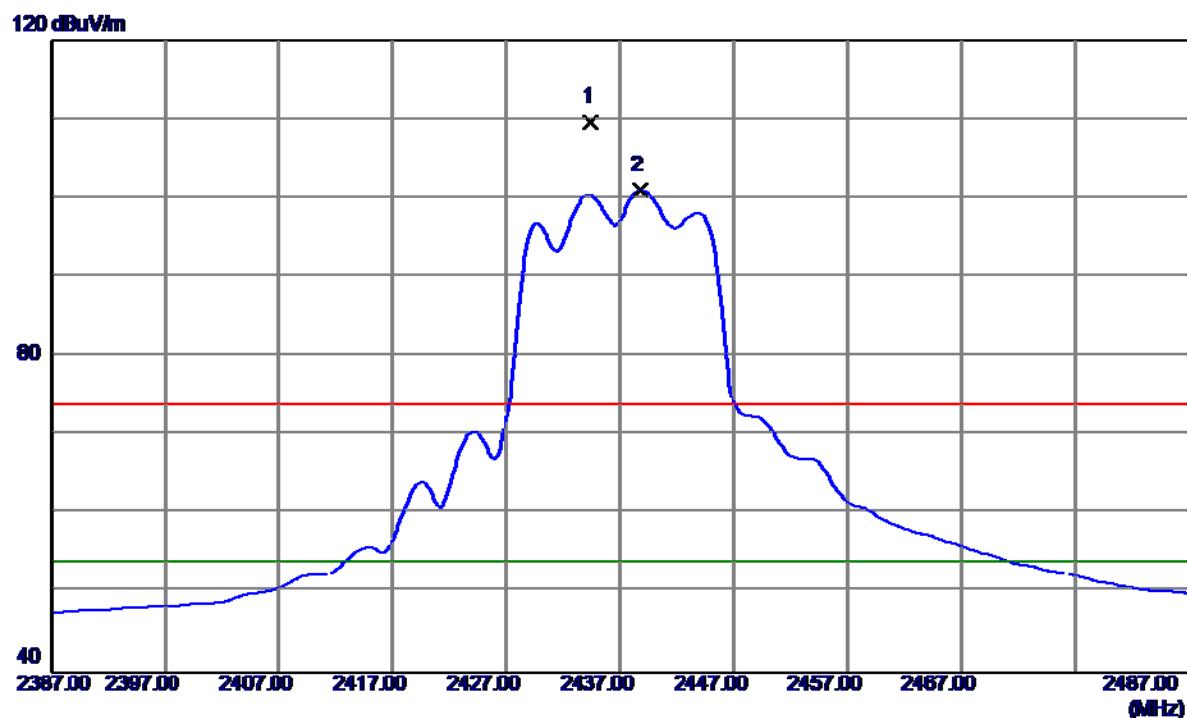
Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

## Vertical



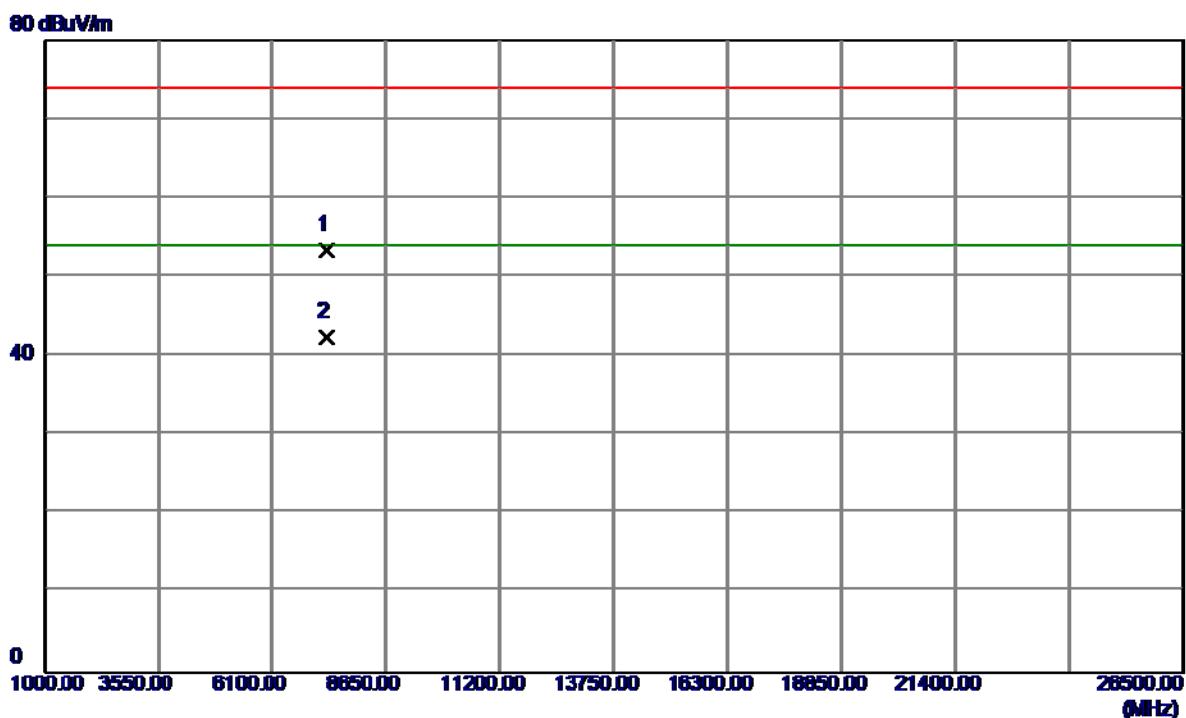
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7309.2600	41.23	11.97	53.20	74.00	-20.80	Peak	
2 *	7315.4000	29.46	11.98	41.44	54.00	-12.56	AVG	

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	2434.5000	76.21	33.44	109.65	74.00	35.65	Peak	No Limit
2 *	2438.8000	67.43	33.47	100.90	54.00	46.90	AVG	No Limit

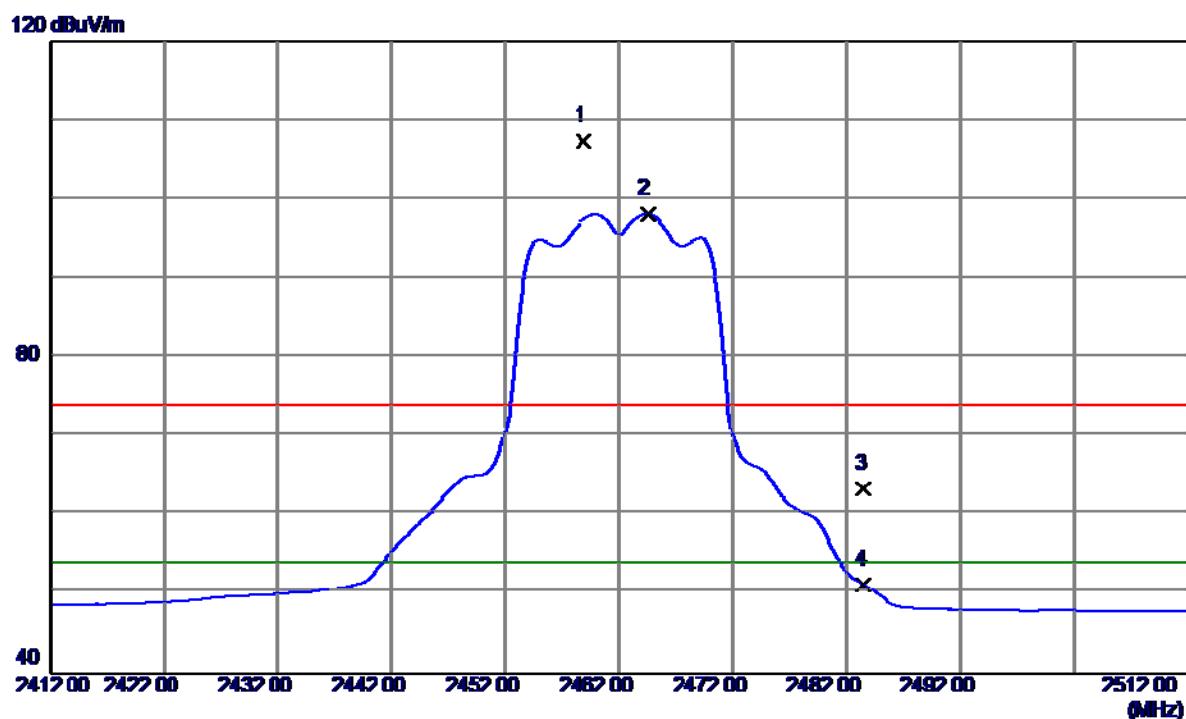
Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

**Horizontal**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7312.2400	42.65	10.72	53.37	74.00	-20.63	Peak	
2 *	7312.7100	31.68	10.73	42.41	54.00	-11.59	AVG	

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

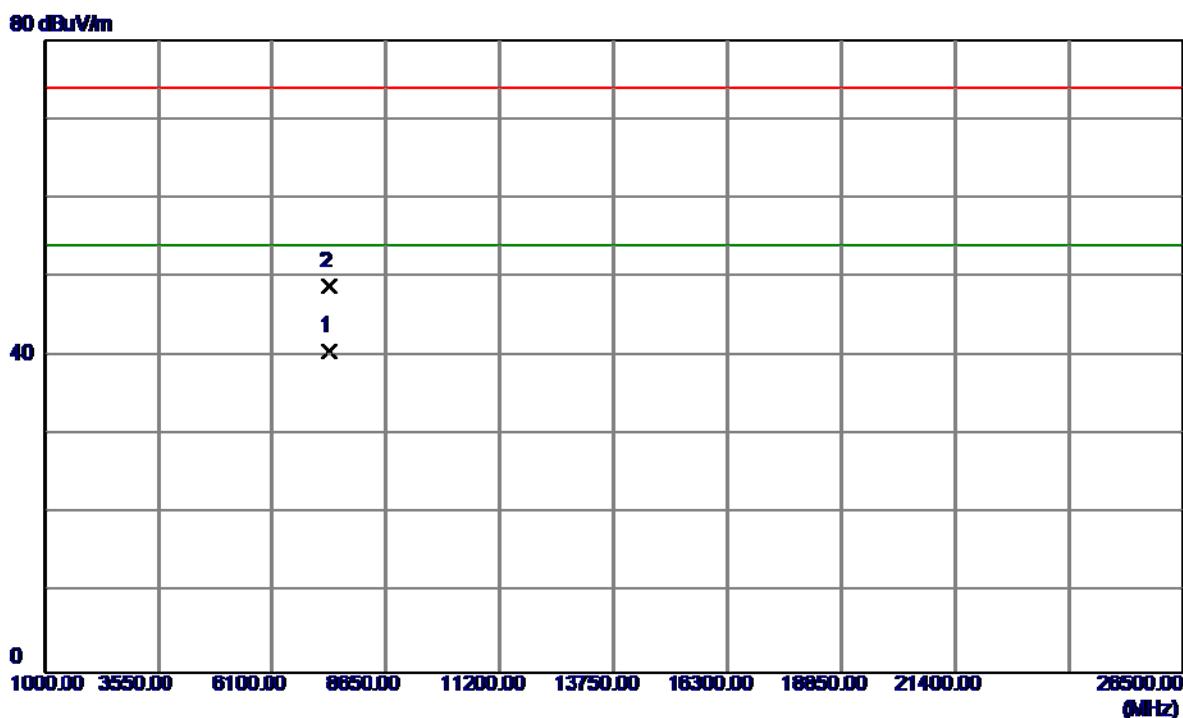
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2458.9000	73.78	33.60	107.38	74.00	33.38	Peak	No Limit
2 *	2464.5000	64.47	33.64	98.11	54.00	44.11	AVG	No Limit
3	2483.5000	29.54	33.76	63.30	74.00	-10.70	Peak	
4	2483.5000	17.45	33.76	51.21	54.00	-2.79	AVG	

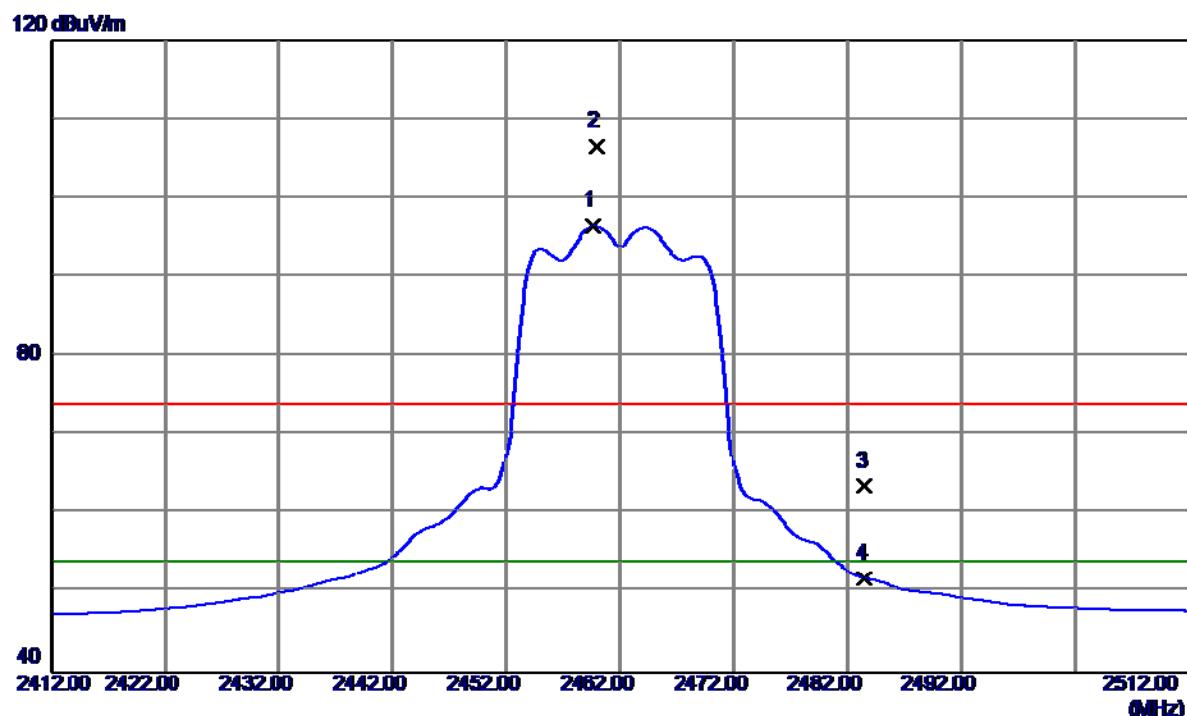
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

## Vertical



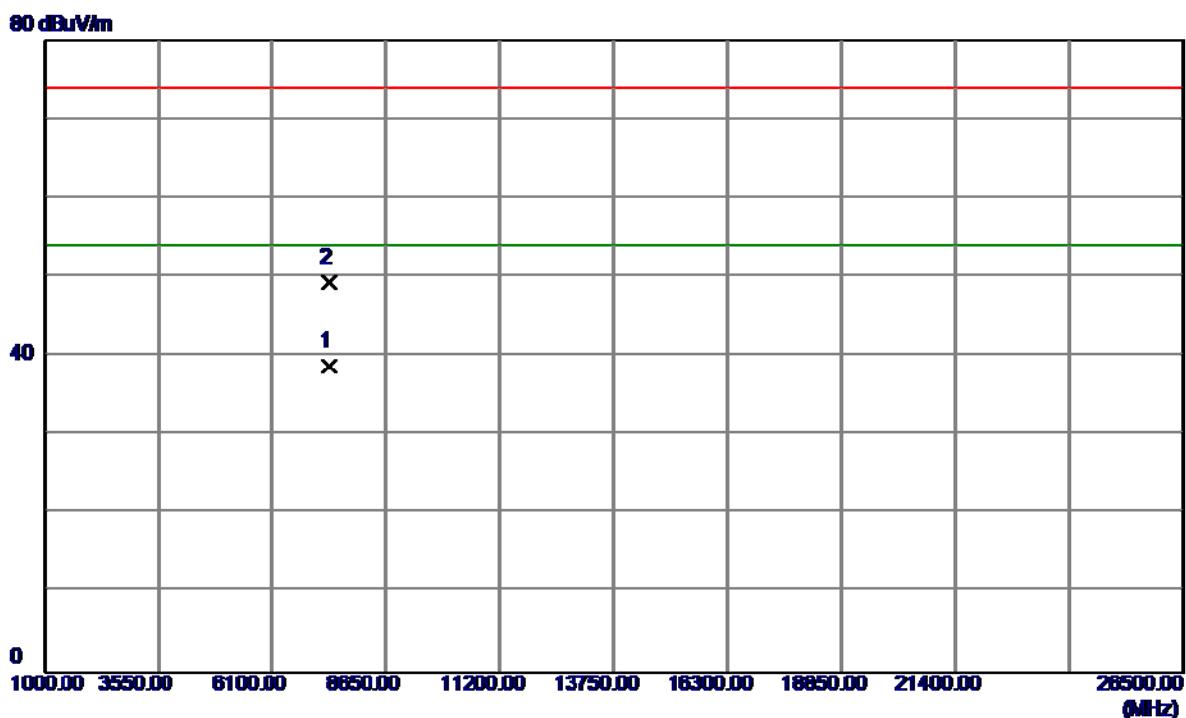
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7385.1500	28.45	12.12	40.57	54.00	-13.43	AVG	
2	7386.5400	36.61	12.12	48.73	74.00	-25.27	Peak	

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 *	2459.7000	62.83	33.60	96.43	54.00	42.43	AVG	No Limit
2	2460.0000	72.89	33.61	106.50	74.00	32.50	Peak	No Limit
3	2483.5000	29.74	33.76	63.50	74.00	-10.50	Peak	
4	2483.5000	18.11	33.76	51.87	54.00	-2.13	AVG	

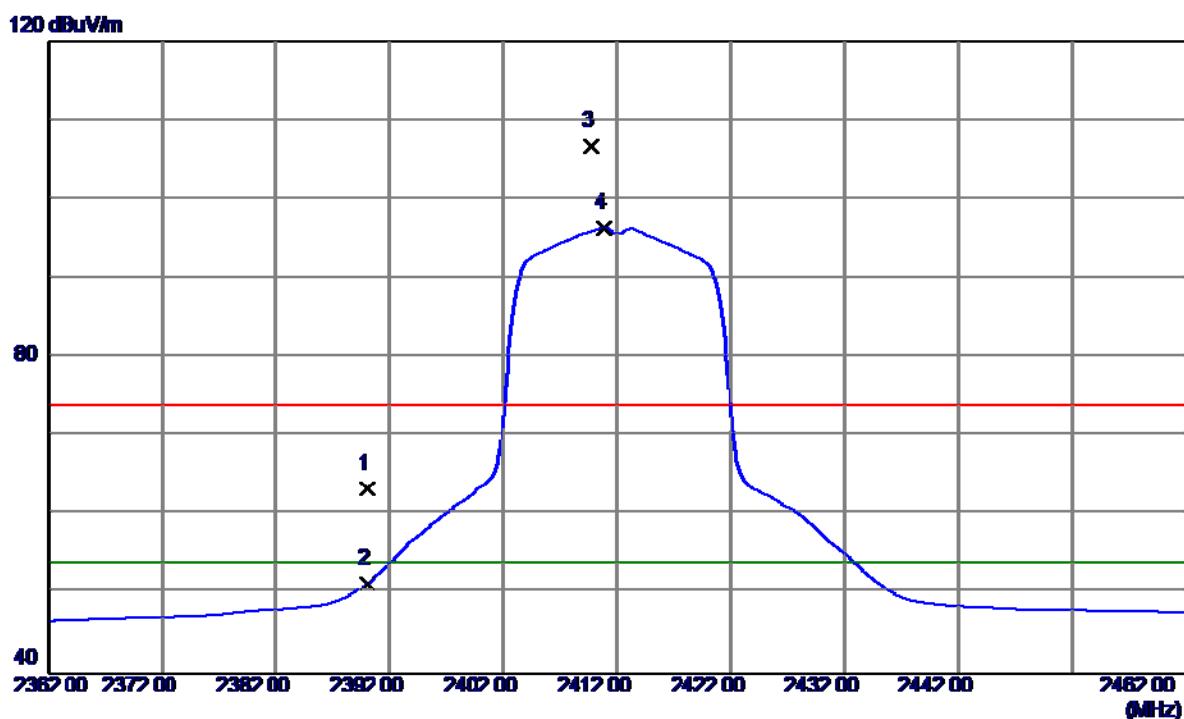
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

**Horizontal**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7388.2500	27.64	11.06	38.70	54.00	-15.30	AVG	
2	7388.7600	38.15	11.06	49.21	74.00	-24.79	Peak	

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

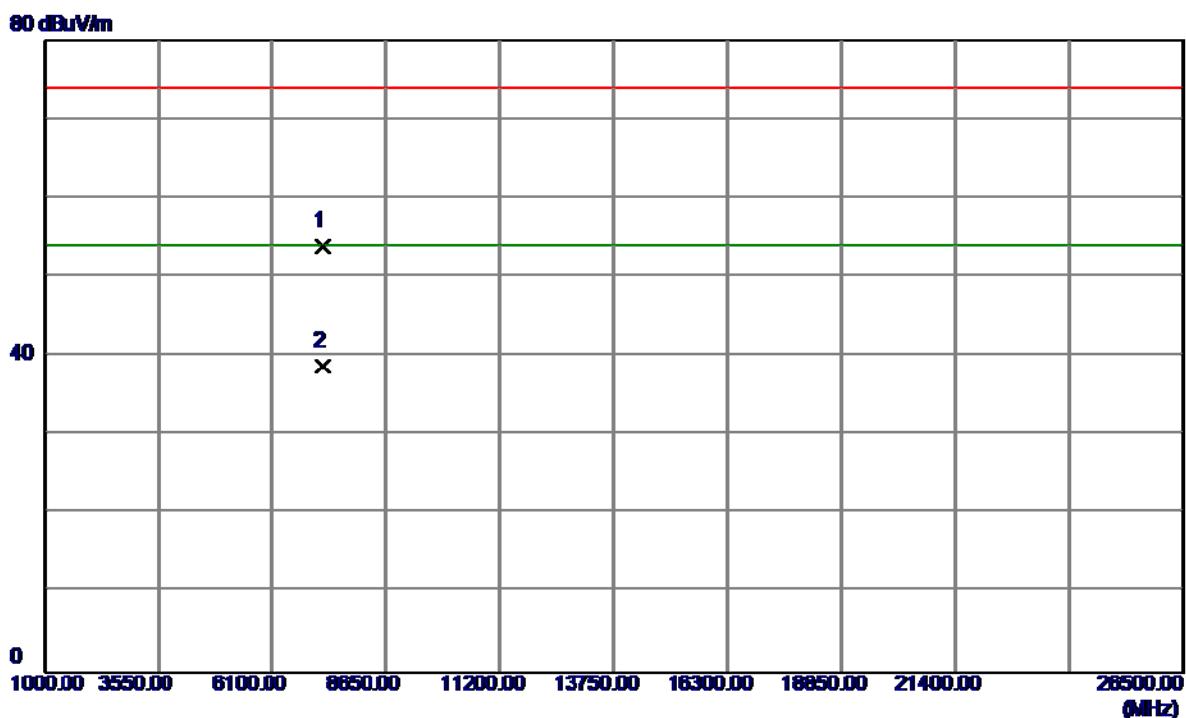
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	30.16	33.15	63.31	74.00	-10.69	Peak	
2	2390.0000	18.23	33.15	51.38	54.00	-2.62	Avg	
3	2409.8000	73.38	33.28	106.66	74.00	32.66	Peak	No Limit
4 *	2410.9000	63.10	33.28	96.38	54.00	42.38	Avg	No Limit

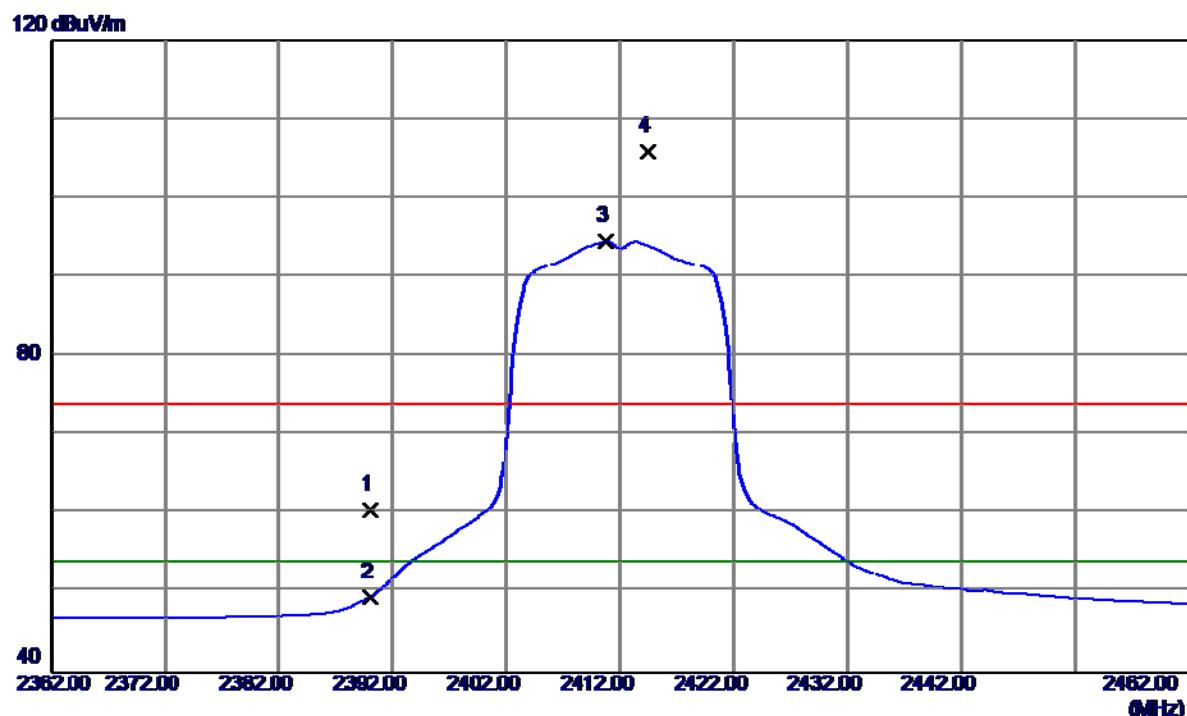
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

## Vertical



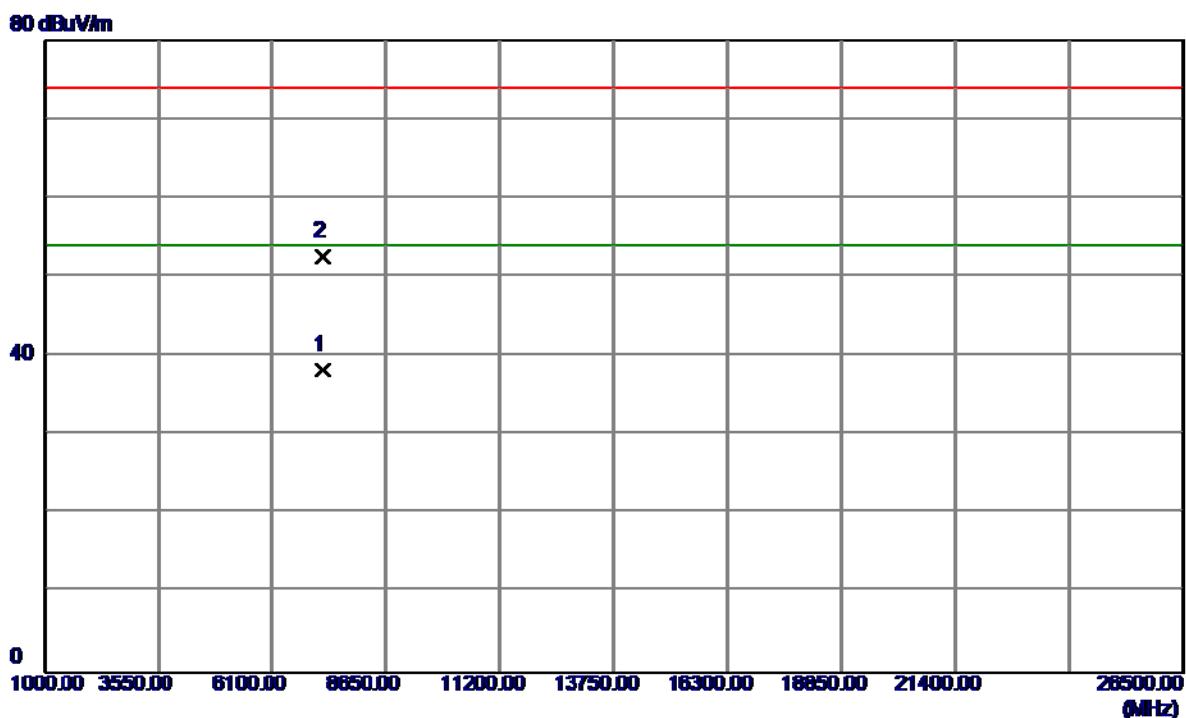
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7232.1000	42.12	11.81	53.93	74.00	-20.07	Peak	
2 *	7234.6900	26.88	11.82	38.70	54.00	-15.30	AVG	

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	2390.0000	27.28	33.15	60.43	74.00	-13.57	Peak	
2	2390.0000	16.34	33.15	49.49	54.00	-4.51	Avg	
3 *	2410.8000	61.27	33.28	94.55	54.00	40.55	Avg	No Limit
4	2414.4000	72.57	33.31	105.88	74.00	31.88	Peak	No Limit

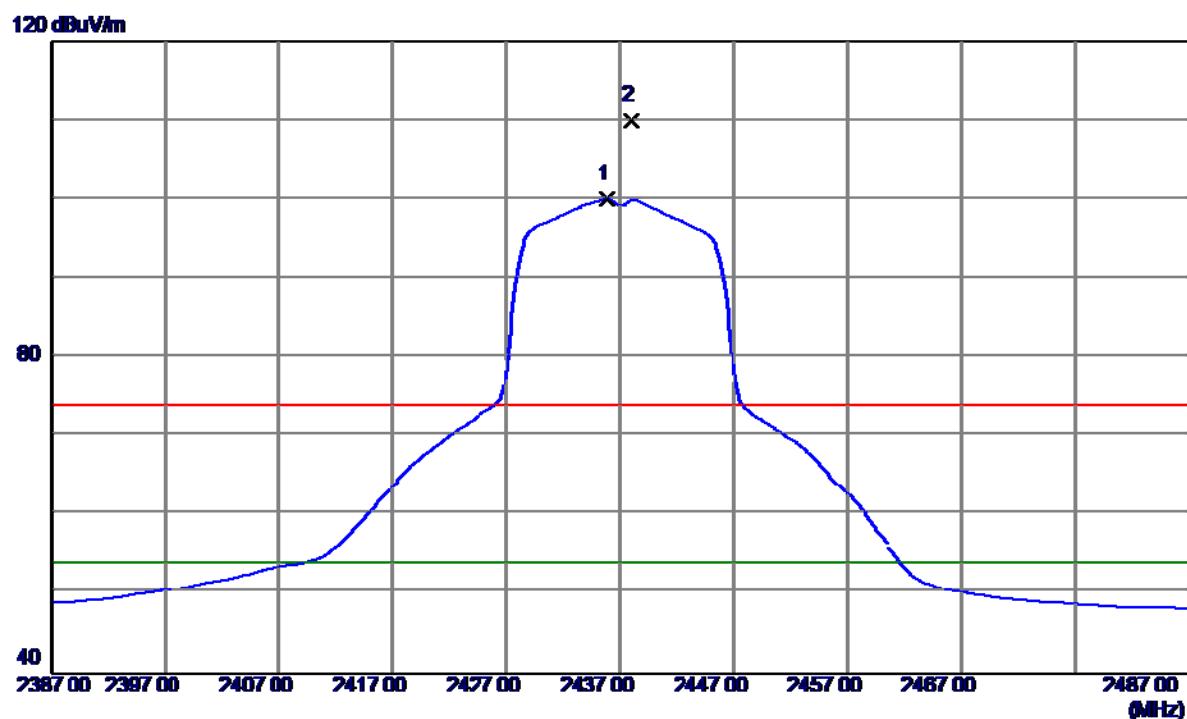
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

**Horizontal**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7237.1300	27.84	10.39	38.23	54.00	-15.77	AVG	
2	7237.6700	42.18	10.40	52.58	74.00	-21.42	Peak	

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

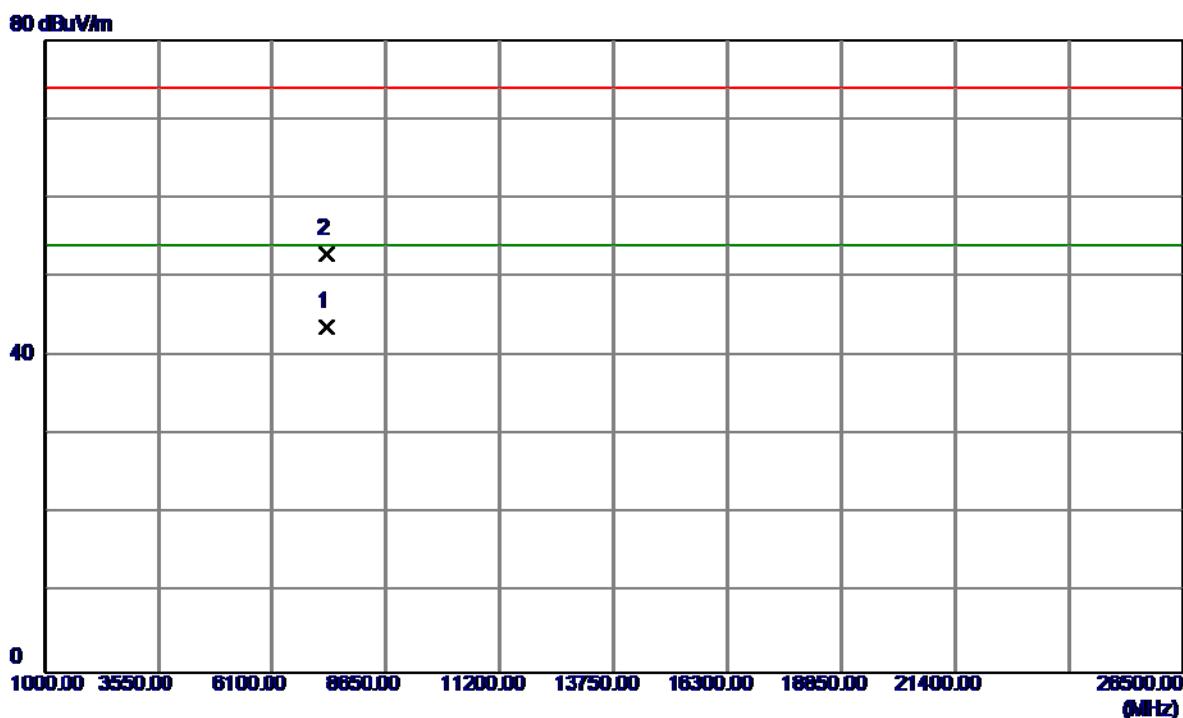
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.9000	66.51	33.45	99.96	54.00	45.96	AVG	No Limit
2	2438.0000	76.46	33.46	109.92	74.00	35.92	Peak	No Limit

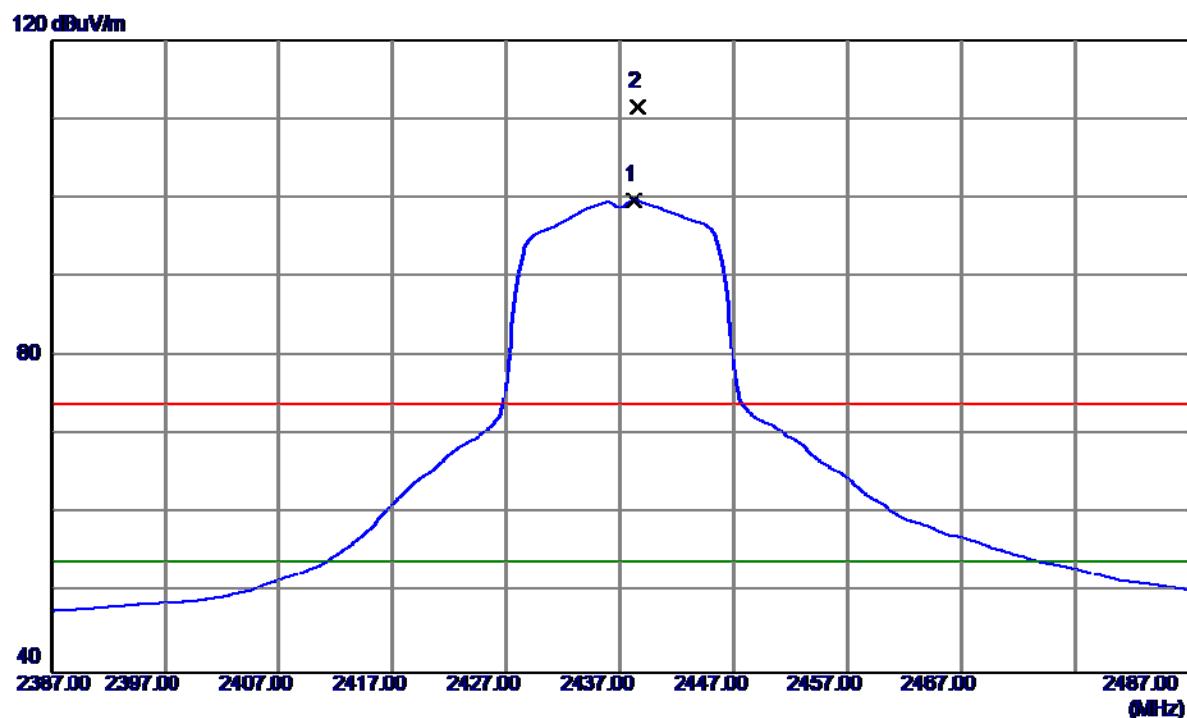
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

## Vertical



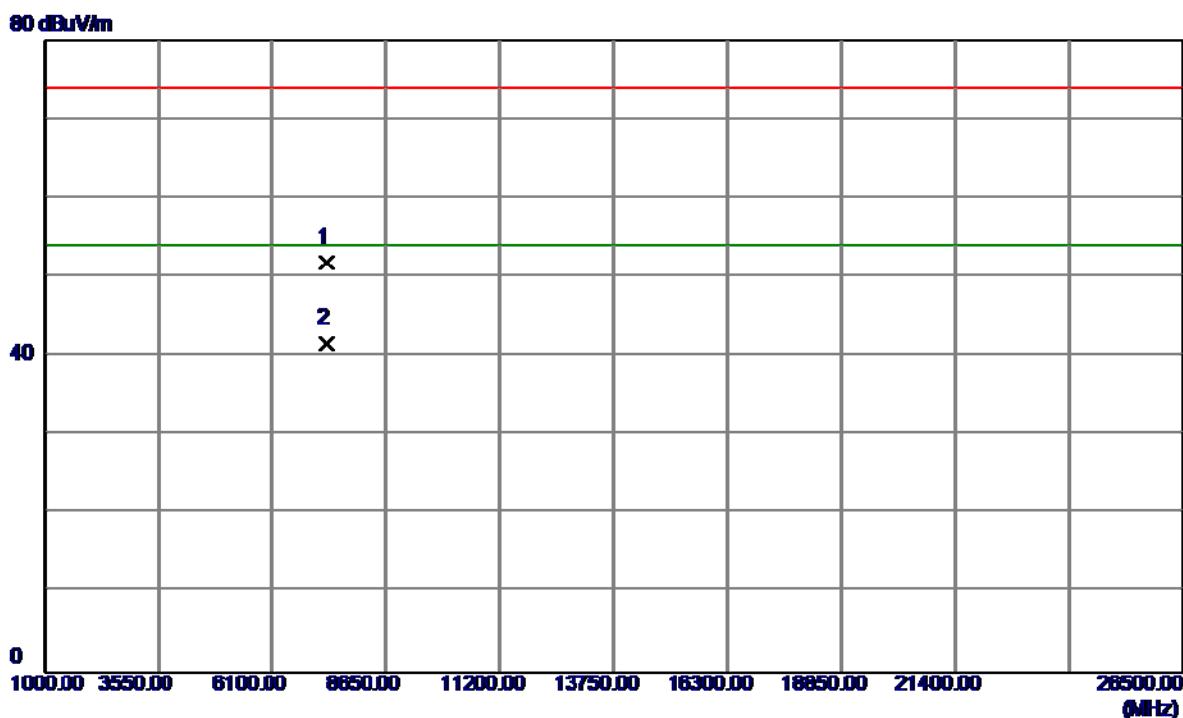
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7306.3700	31.71	11.96	43.67	54.00	-10.33	AVG	
2	7310.4900	40.99	11.97	52.96	74.00	-21.04	Peak	

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

**Horizontal**

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	2438.2000	66.22	33.46	99.68	54.00	45.68	AVG	No Limit
2	2438.6000	78.01	33.47	111.48	74.00	37.48	Peak	No Limit

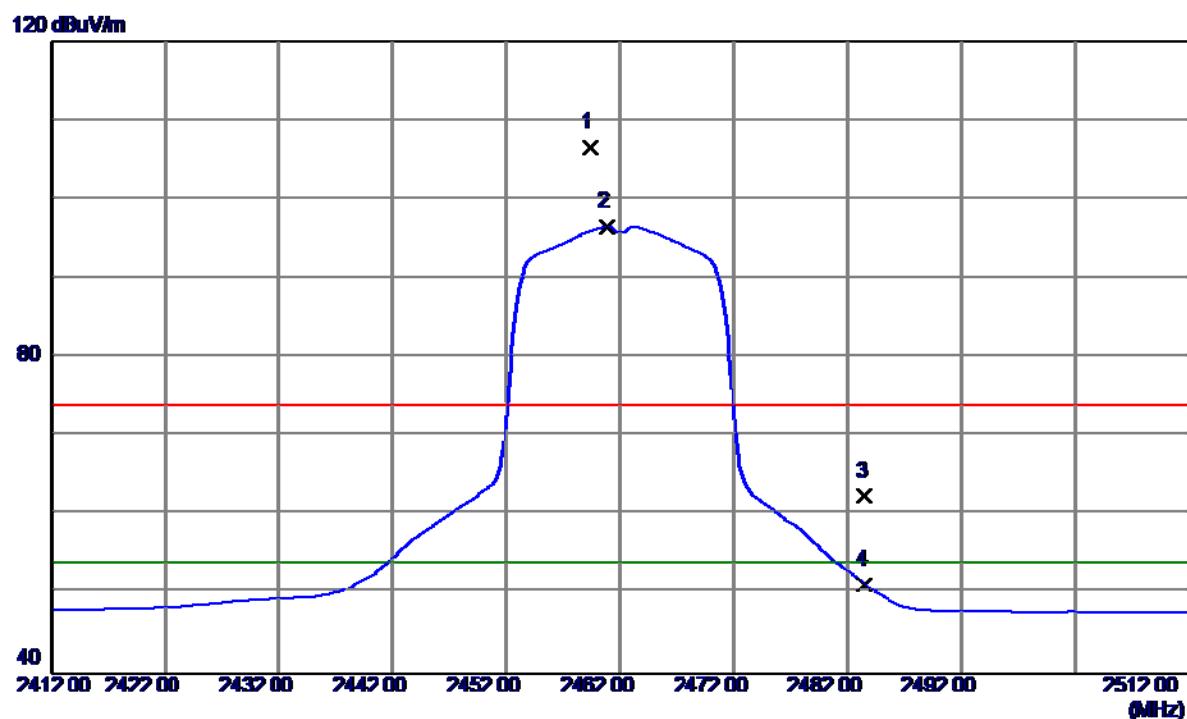
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

**Horizontal**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7311.2400	41.05	10.72	51.77	74.00	-22.23	Peak	
2 *	7313.9000	30.80	10.73	41.53	54.00	-12.47	AVG	

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

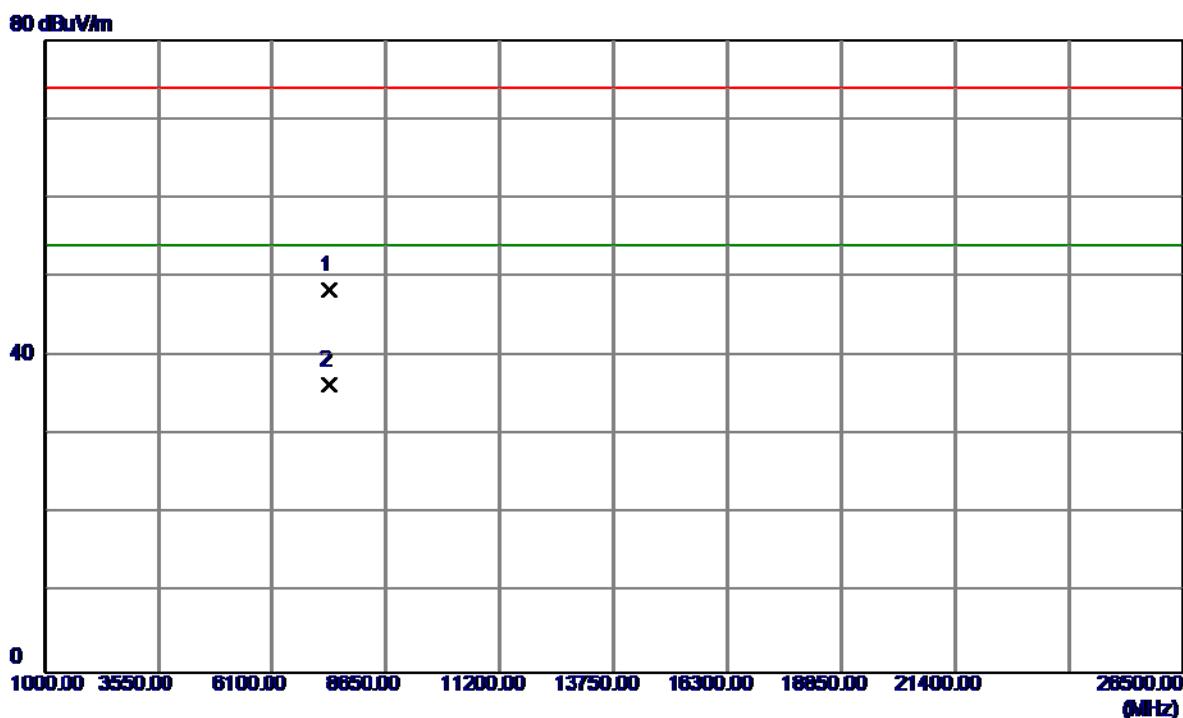
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.4000	73.02	33.60	106.62	74.00	32.62	Peak	No Limit
2 *	2460.9000	62.93	33.61	96.54	54.00	42.54	Avg	No Limit
3	2483.5000	28.62	33.76	62.38	74.00	-11.62	Peak	
4	2483.5000	17.51	33.76	51.27	54.00	-2.73	Avg	

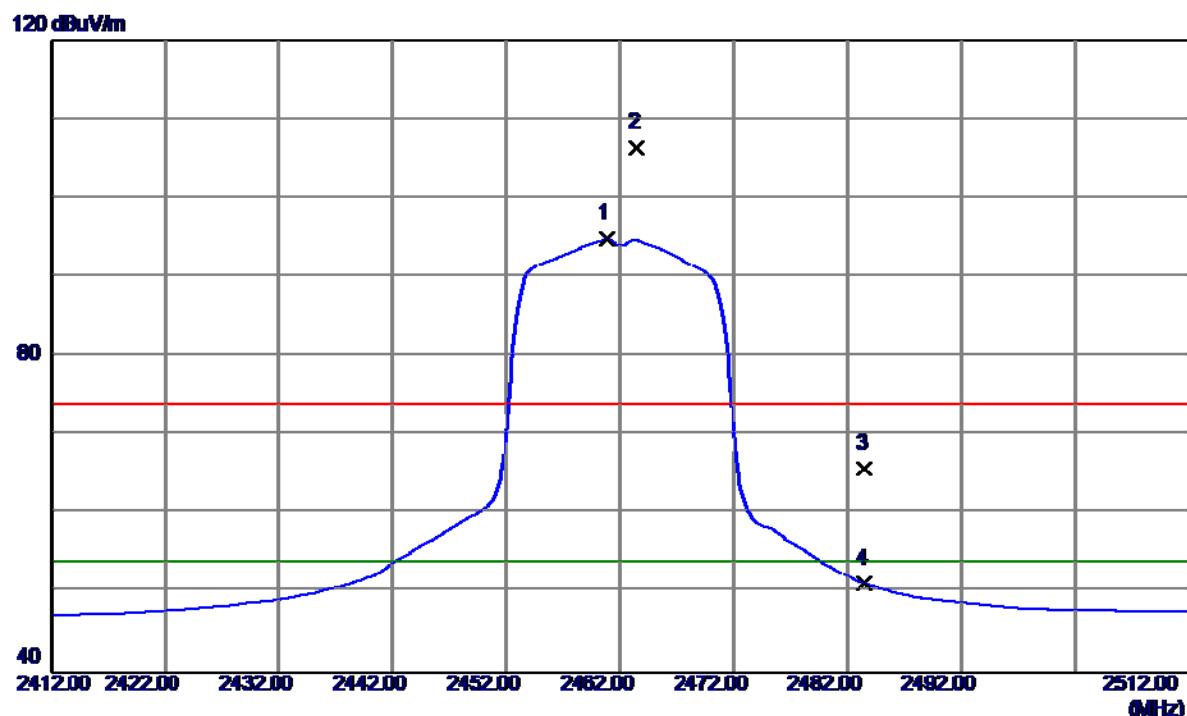
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

## Vertical



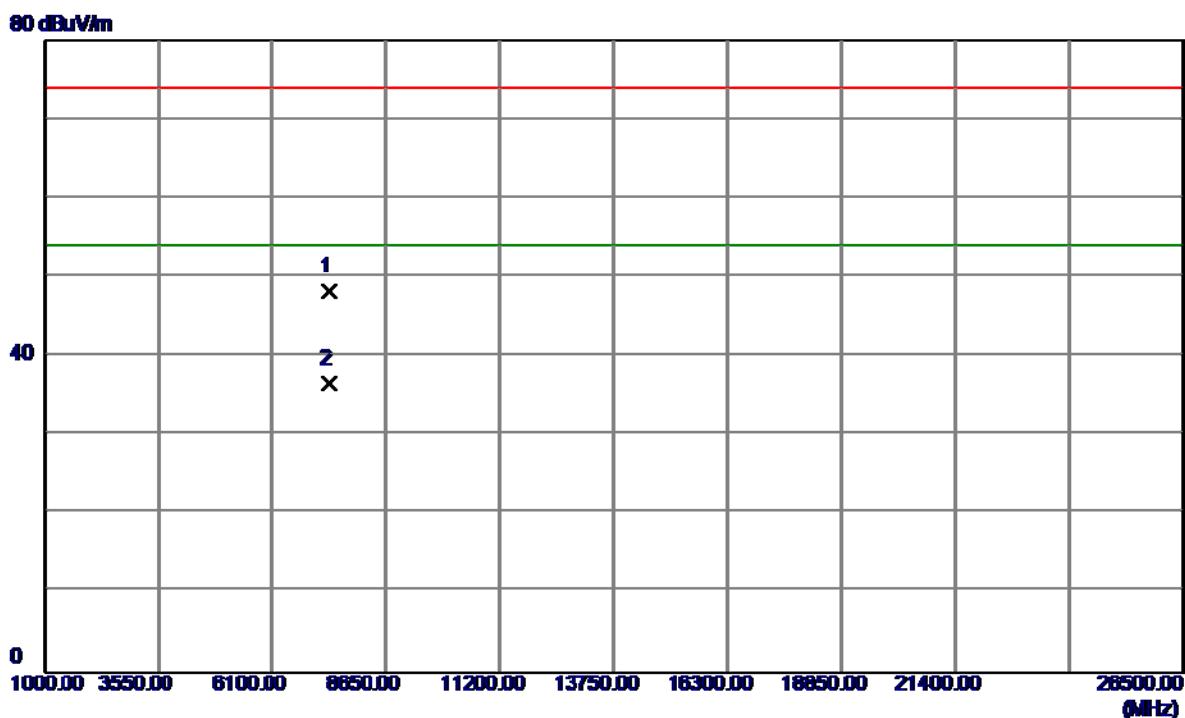
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7386.2700	36.18	12.12	48.30	74.00	-25.70	Peak	
2 *	7388.1700	24.12	12.13	36.25	54.00	-17.75	AVG	

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 *	2460.9000	61.20	33.61	94.81	54.00	40.81	AVG	No Limit
2	2463.5000	72.71	33.63	106.34	74.00	32.34	Peak	No Limit
3	2483.5000	31.93	33.76	65.69	74.00	-8.31	Peak	
4	2483.5000	17.40	33.76	51.16	54.00	-2.84	AVG	

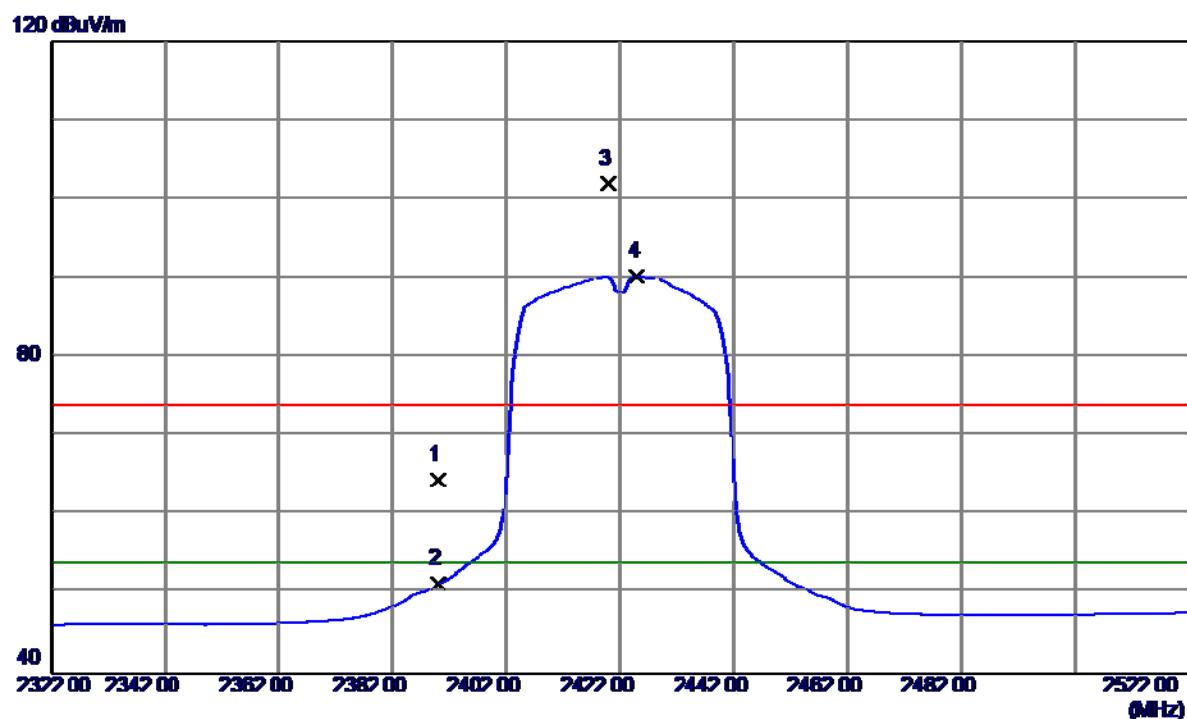
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

**Horizontal**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7382.1500	37.16	11.03	48.19	74.00	-25.81	Peak	
2 *	7386.4500	25.48	11.05	36.53	54.00	-17.47	AVG	

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

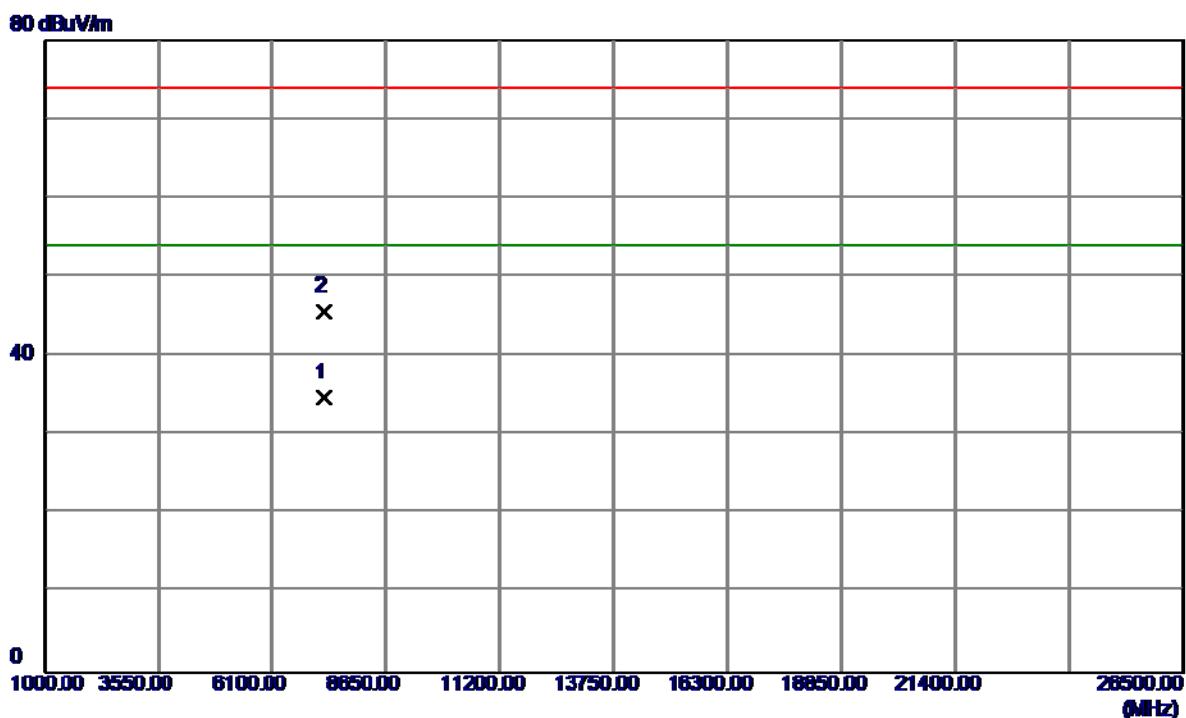
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	31.28	33.15	64.43	74.00	-9.57	Peak	
2	2390.0000	18.14	33.15	51.29	54.00	-2.71	Avg	
3	2420.0000	68.53	33.34	101.87	74.00	27.87	Peak	No Limit
4 *	2425.0000	56.90	33.38	90.28	54.00	36.28	Avg	No Limit

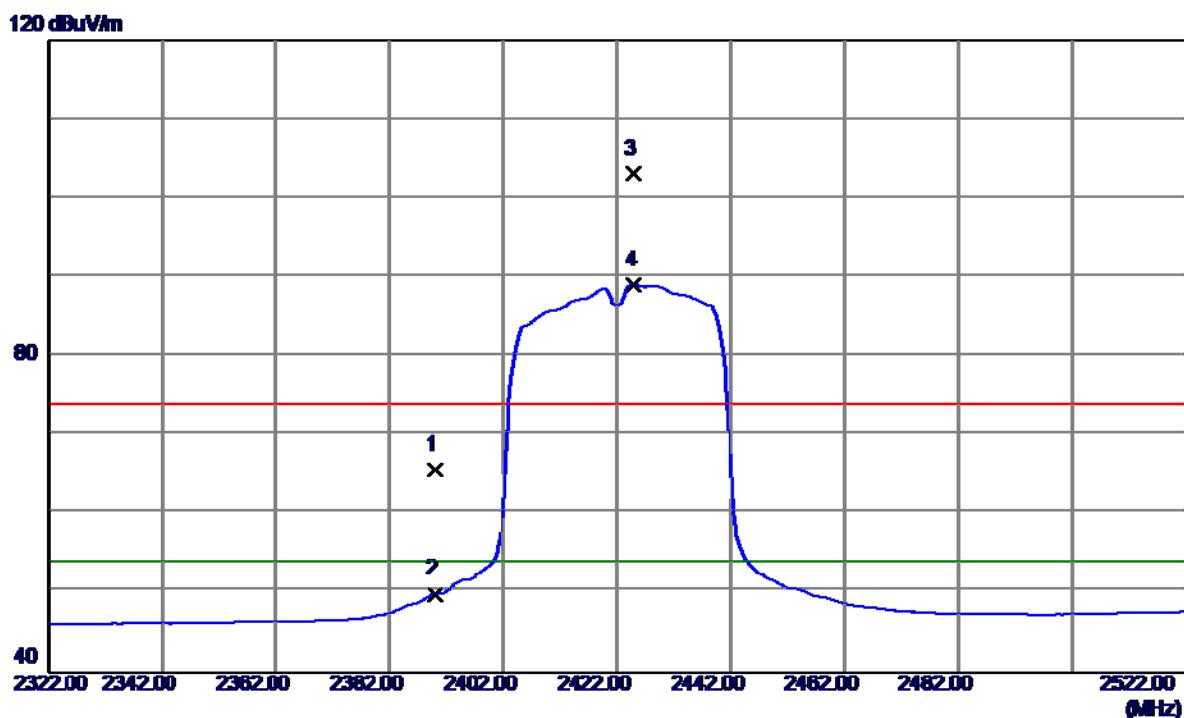
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

## Vertical



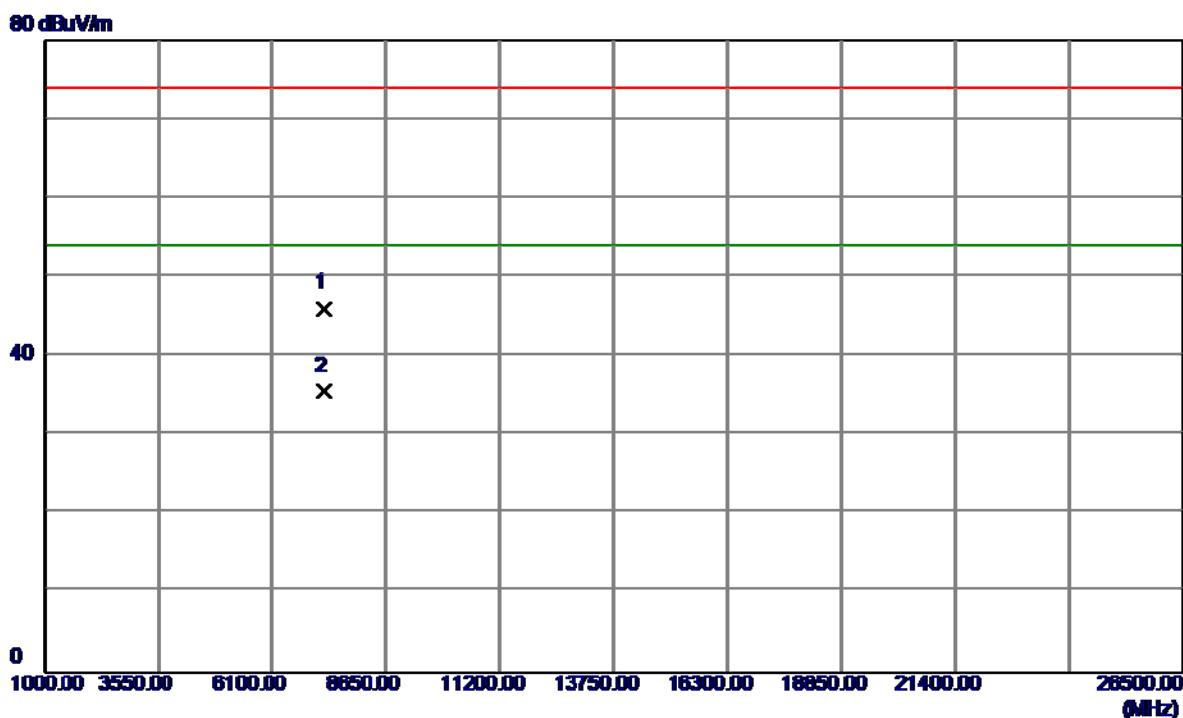
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	7263.1200	22.83	11.88	34.71	54.00	-19.29	AVG	
2	7273.9000	33.66	11.90	45.56	74.00	-28.44	Peak	

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	2390.0000	32.44	33.15	65.59	74.00	-8.41	Peak	
2	2390.0000	16.69	33.15	49.84	54.00	-4.16	AVG	
3	2424.8000	69.67	33.38	103.05	74.00	29.05	Peak	No Limit
4 *	2425.0000	55.63	33.38	89.01	54.00	35.01	AVG	No Limit

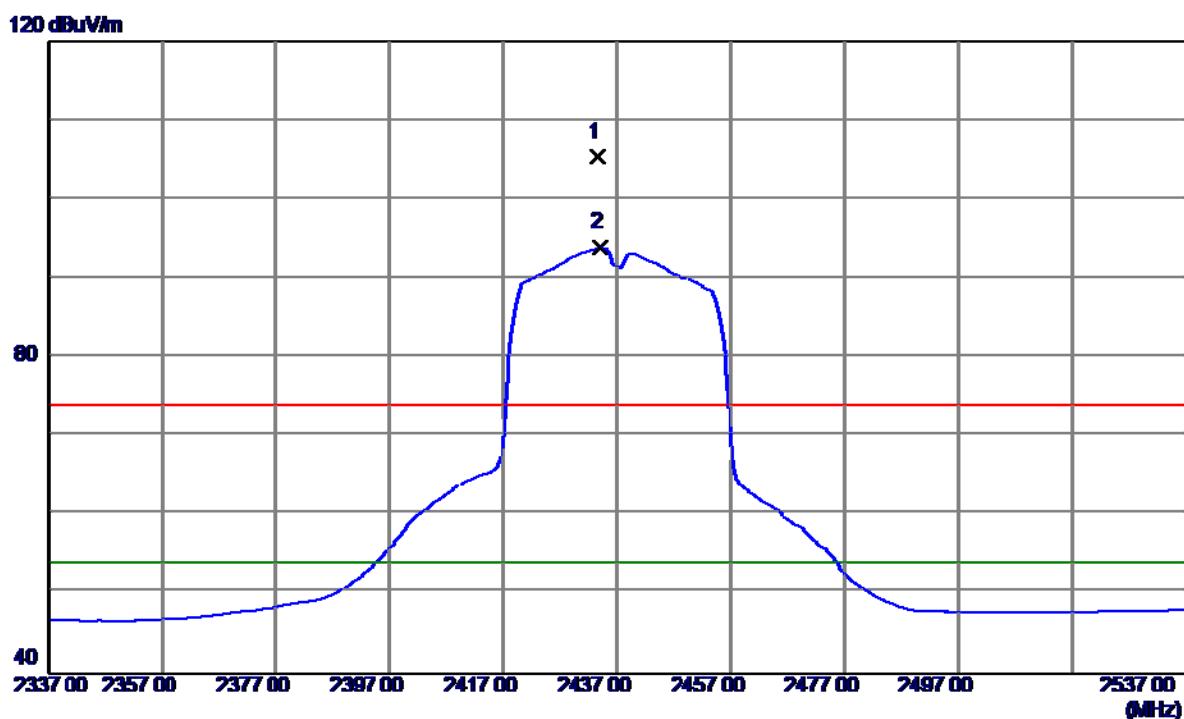
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

**Horizontal**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7263.7150	34.12	11.88	46.00	74.00	-28.00	Peak	
2 *	7267.8400	23.57	11.89	35.46	54.00	-18.54	AVG	

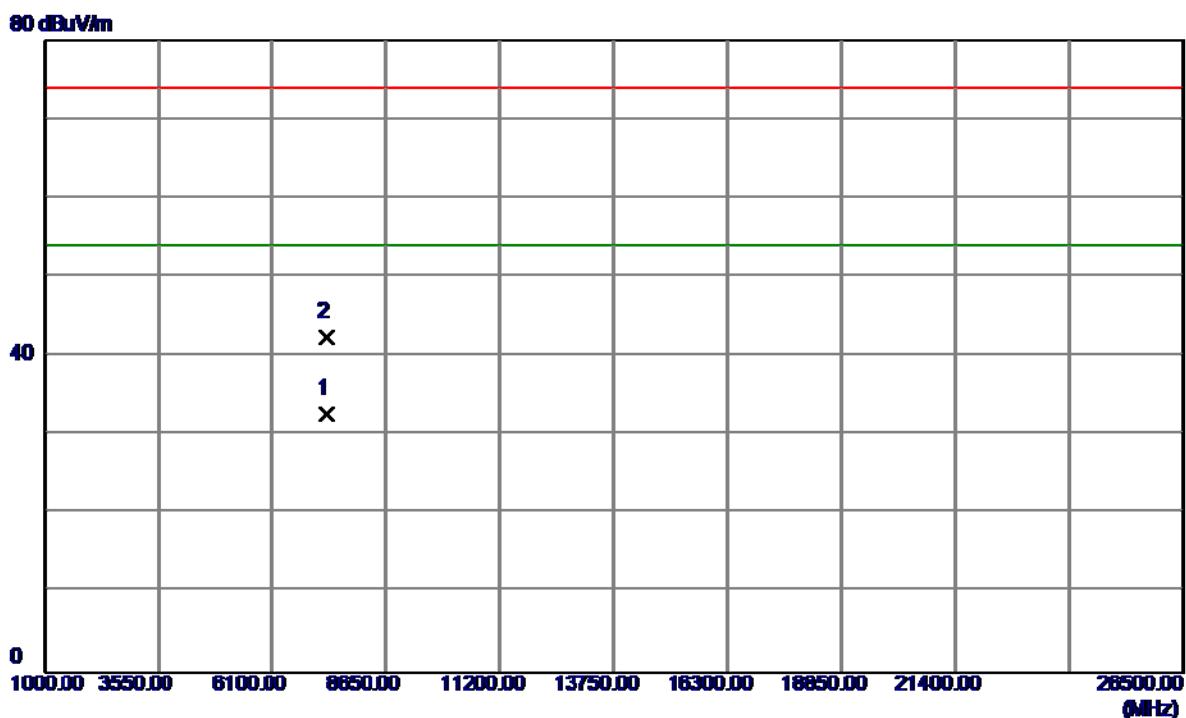
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

## Vertical



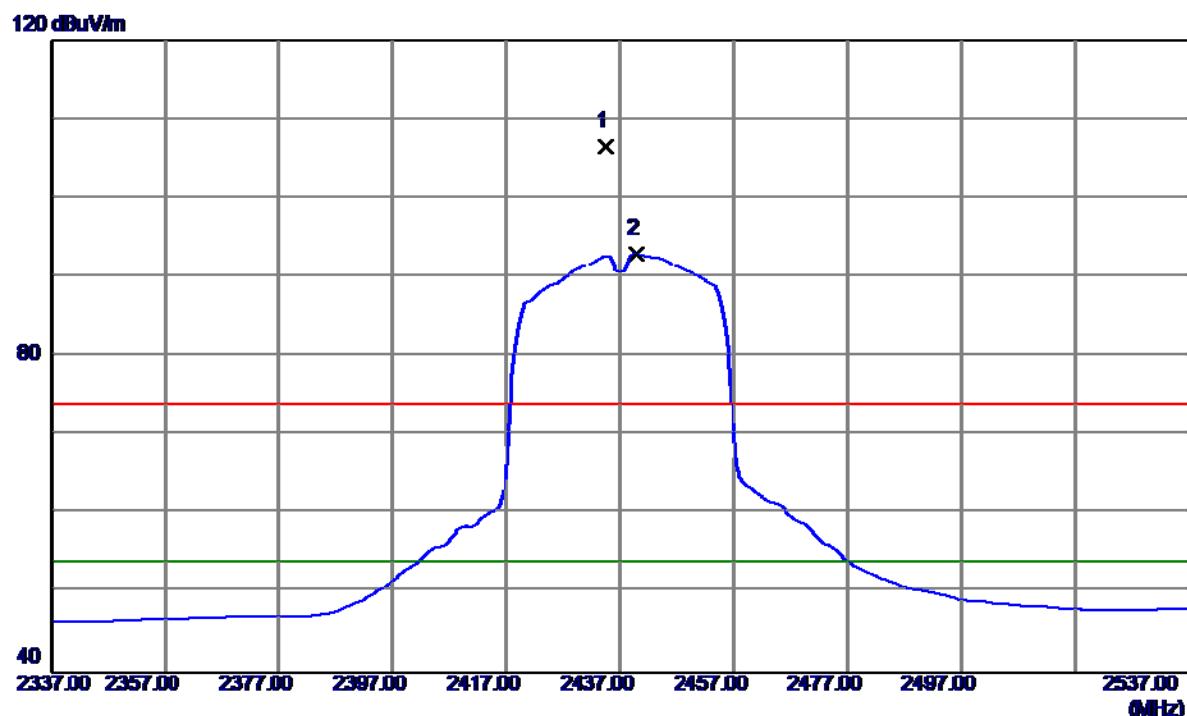
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2433.6000	71.93	33.43	105.36	74.00	31.36	Peak	No Limit
2 *	2434.2000	60.41	33.44	93.85	54.00	39.85	AVG	No Limit

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

**Vertical**

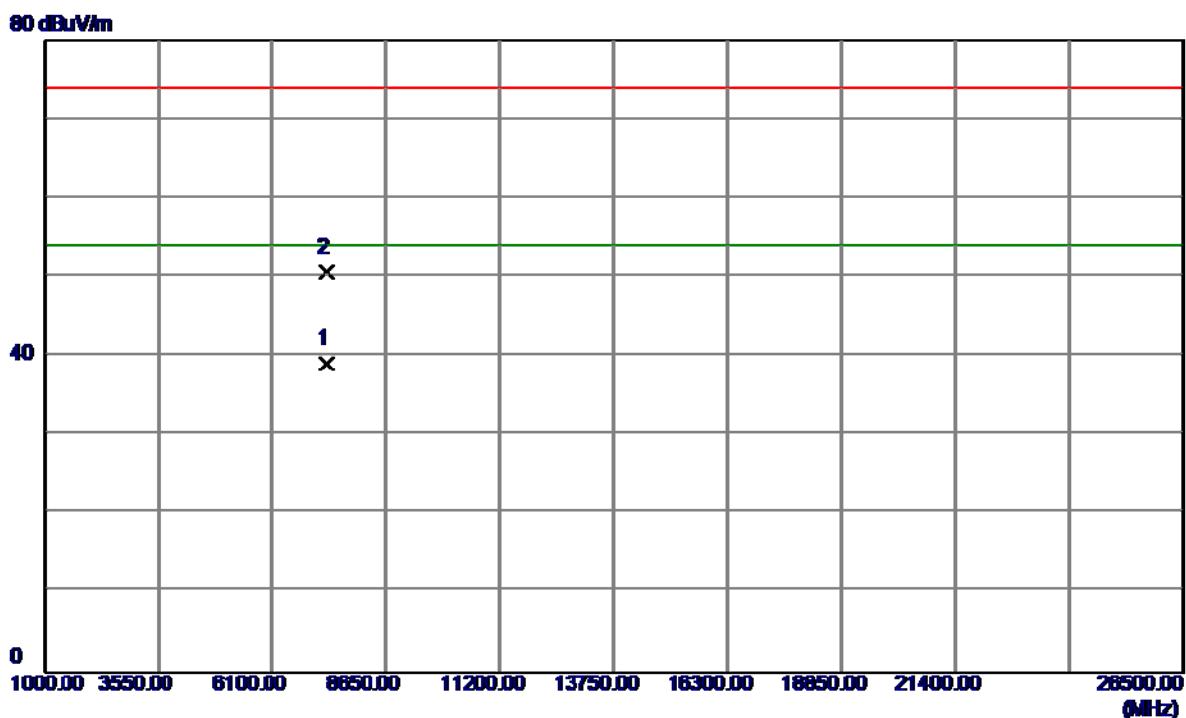
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7305.2000	20.69	11.96	32.65	54.00	-21.35	AVG	
2	7307.3400	30.46	11.96	42.42	74.00	-31.58	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M 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	2434.6000	73.11	33.44	106.55	74.00	32.55	Peak	No Limit
2 *	2439.8000	59.47	33.47	92.94	54.00	38.94	AVG	No Limit

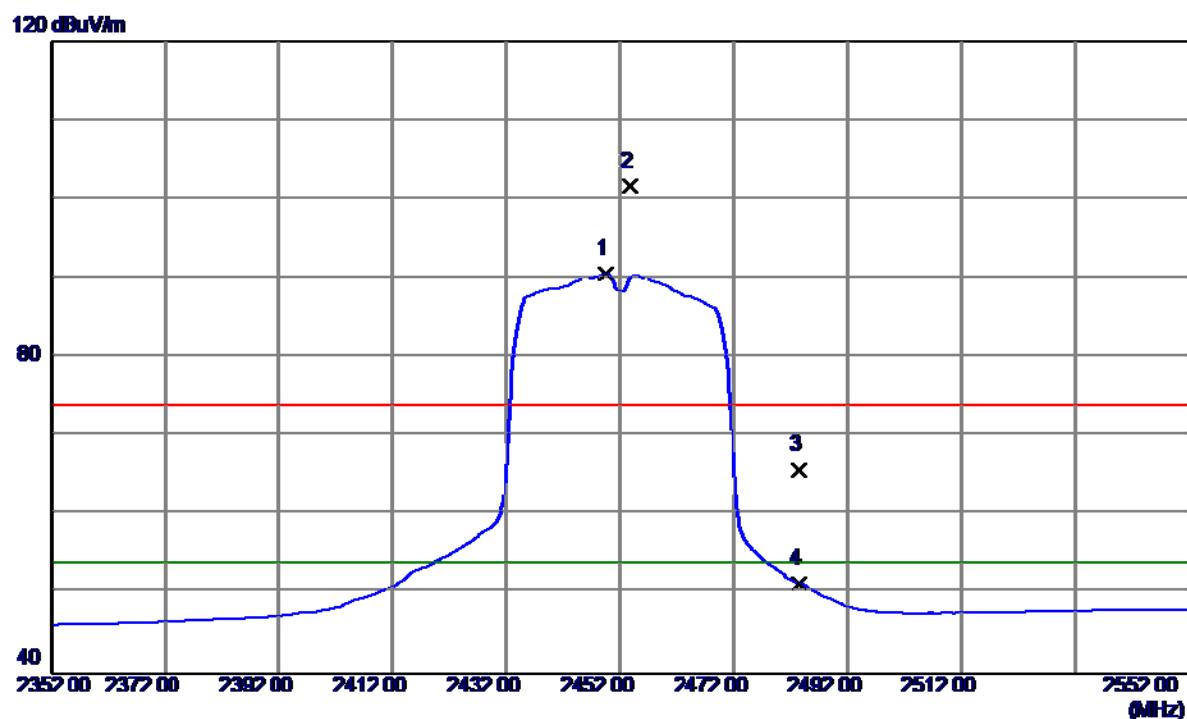
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

**Horizontal**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7310.1500	27.14	11.97	39.11	54.00	-14.89	AVG	
2	7311.6200	38.64	11.97	50.61	74.00	-23.39	Peak	

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

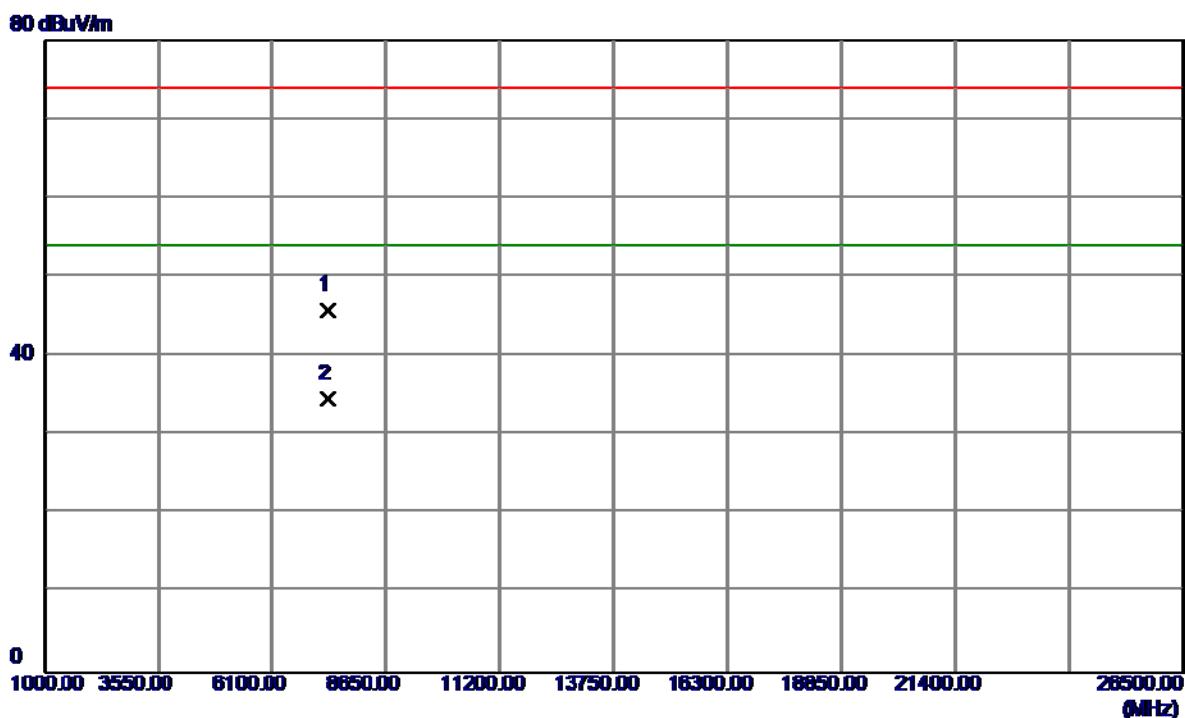
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2449.6000	56.99	33.54	90.53	54.00	36.53	AVG	No Limit
2	2453.8000	68.06	33.57	101.63	74.00	27.63	Peak	No Limit
3	2483.5000	32.07	33.76	65.83	74.00	-8.17	Peak	
4	2483.5000	17.67	33.76	51.43	54.00	-2.57	AVG	

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

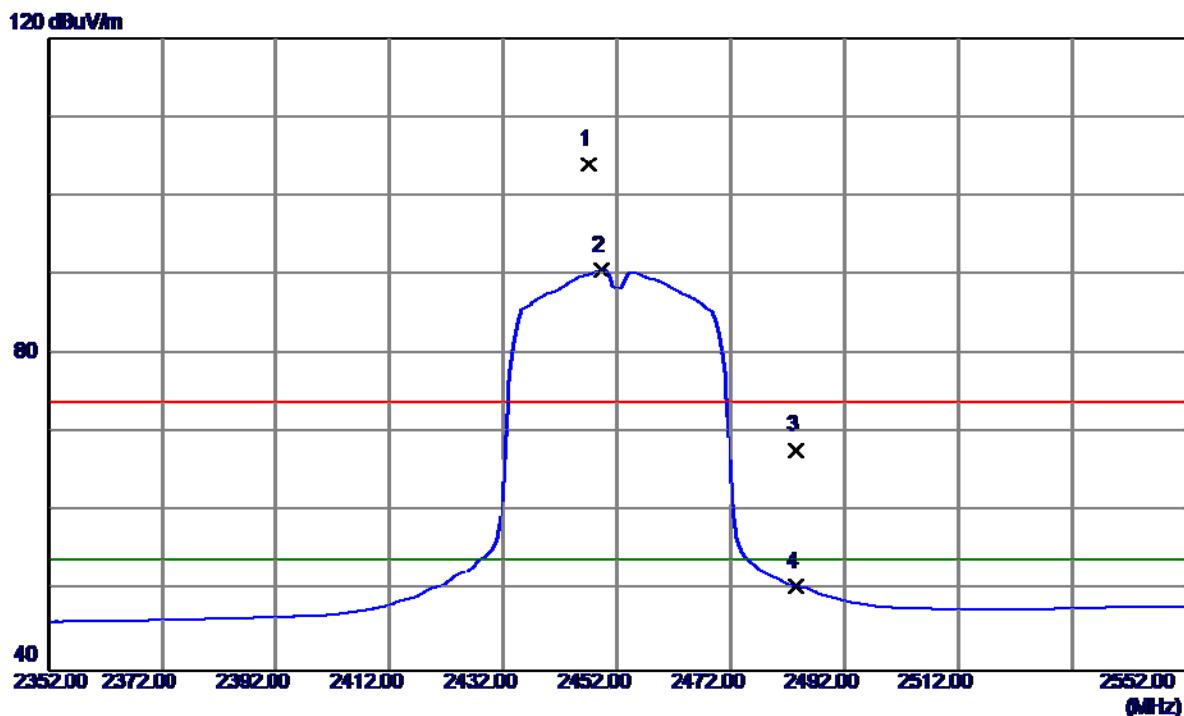
## Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7350.1400	33.78	12.05	45.83	74.00	-28.17	Peak	
2 *	7352.6700	22.44	12.06	34.50	54.00	-19.50	AVG	

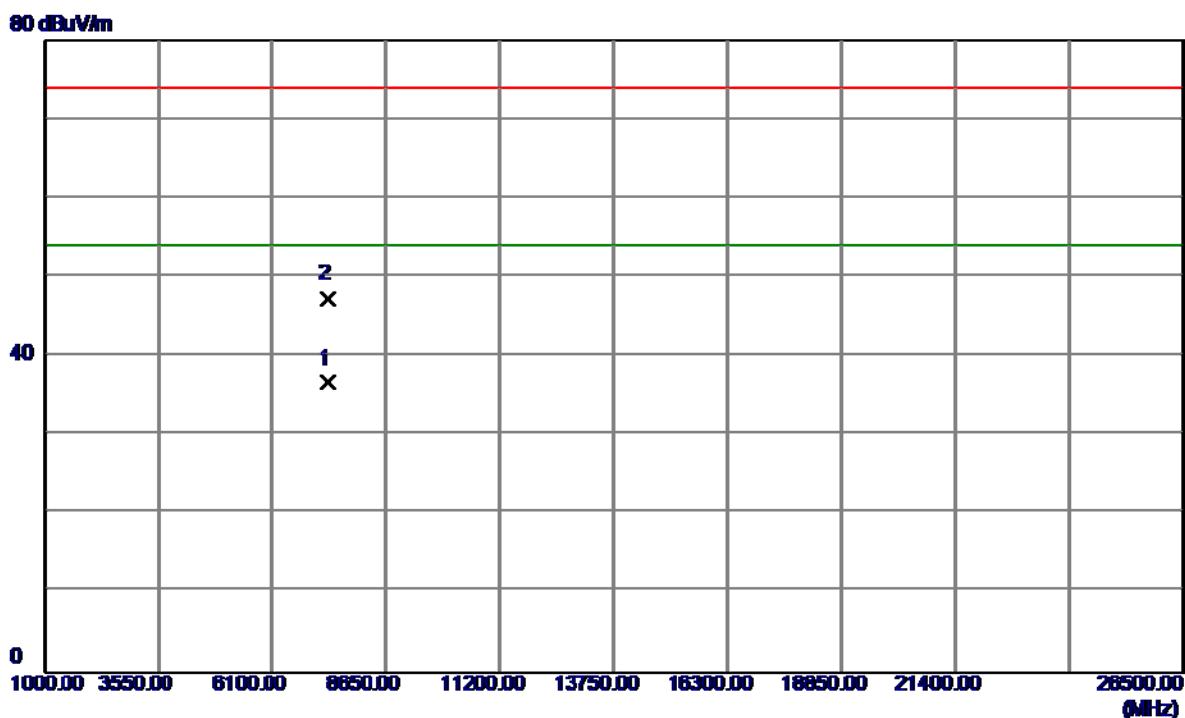
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz

## Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2447. 2000	70. 47	33. 52	103. 99	74. 00	29. 99	Peak	No Limit
2 *	2449. 4000	57. 04	33. 54	90. 58	54. 00	36. 58	AVG	No Limit
3	2483. 5000	34. 01	33. 76	67. 77	74. 00	-6. 23	Peak	
4	2483. 5000	16. 82	33. 76	50. 58	54. 00	-3. 42	AVG	

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

**Horizontal**

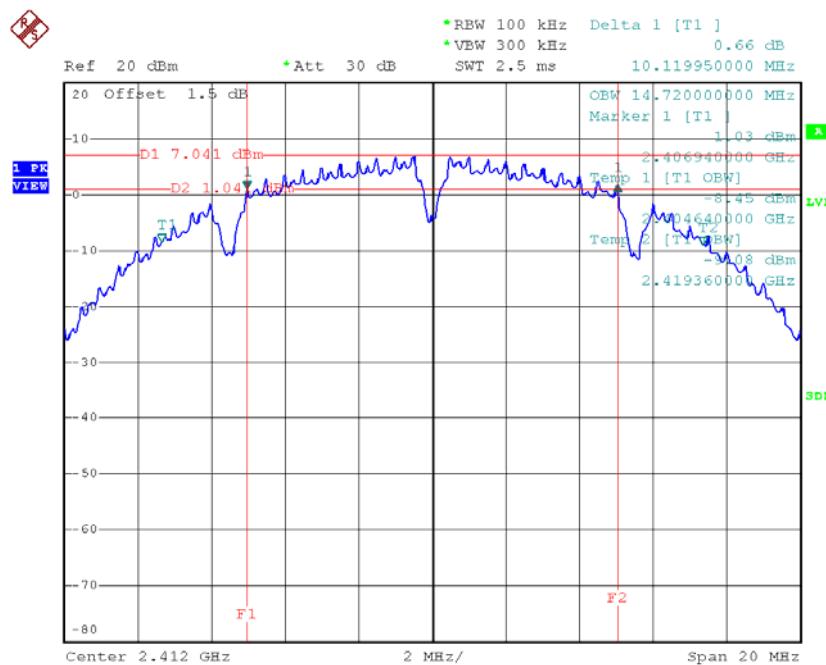
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7353.5400	24.50	12.06	36.56	54.00	-17.44	AVG	
2	7354.4700	35.16	12.06	47.22	74.00	-26.78	Peak	

## ATTACHMENT E - BANDWIDTH

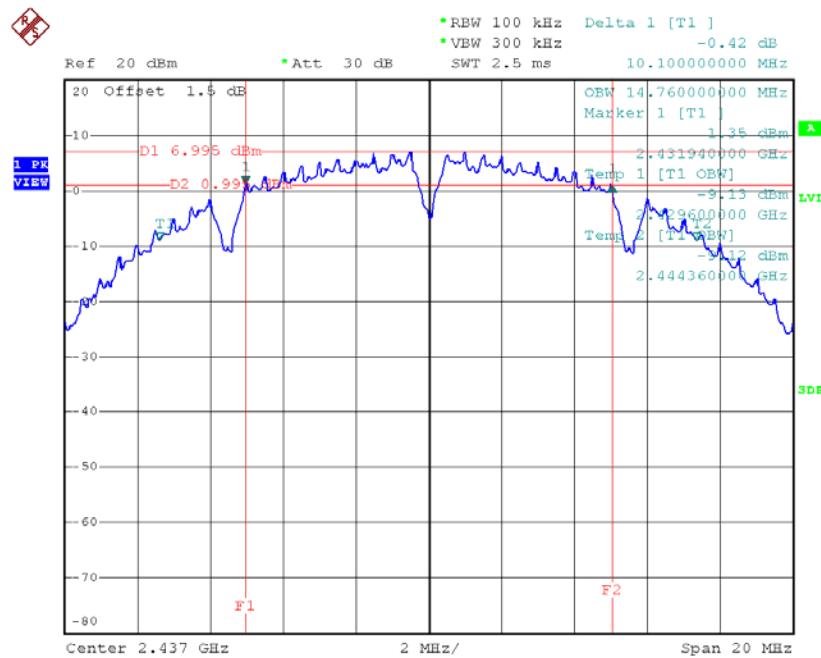
## Test Mode : TX B Mode\_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.12	14.72	500	Complies
2437	10.1	14.76	500	Complies
2462	10.07	14.64	500	Complies

## TX CH01

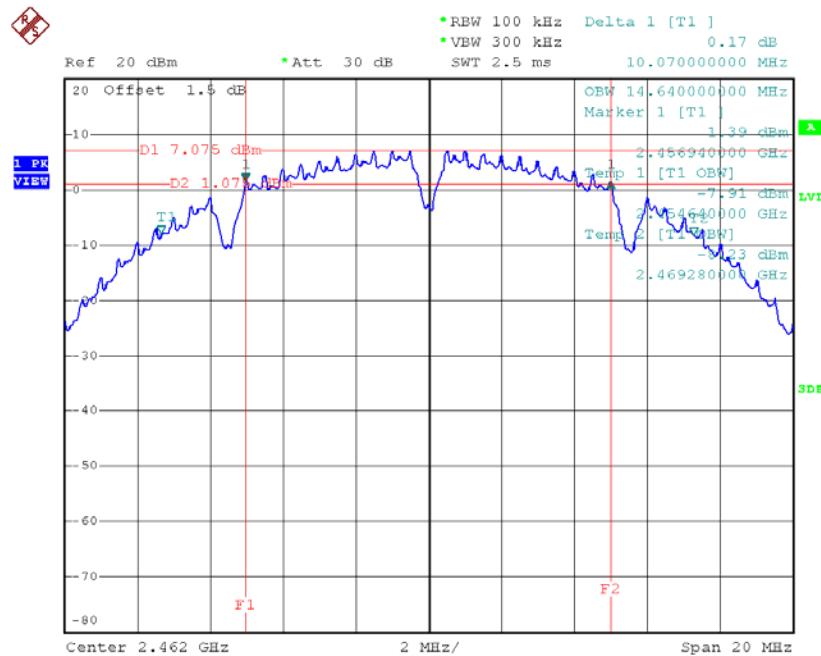


## TX CH06



Date: 19.JAN.2017 09:20:03

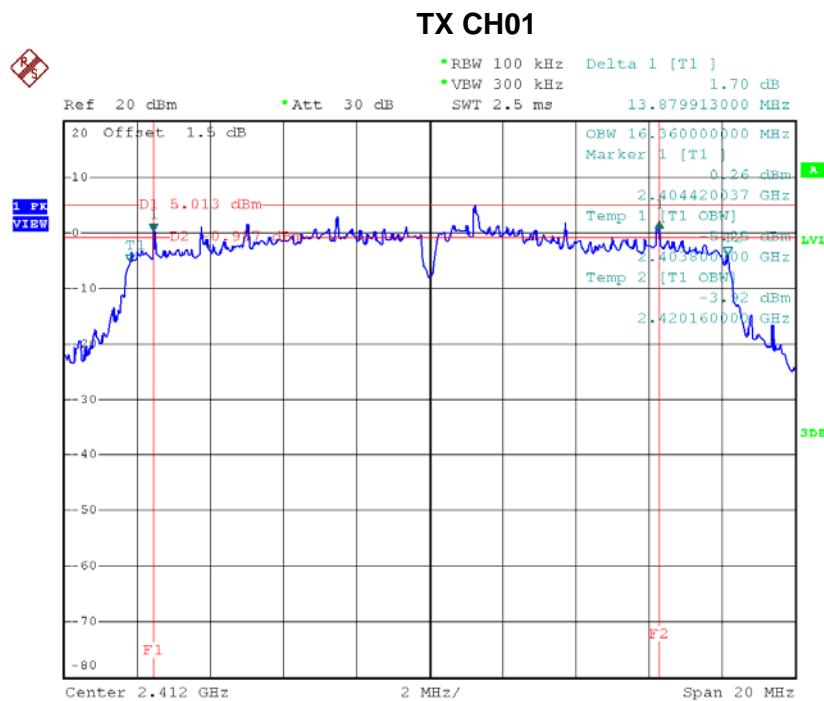
## TX CH11



Date: 19.JAN.2017 09:22:55

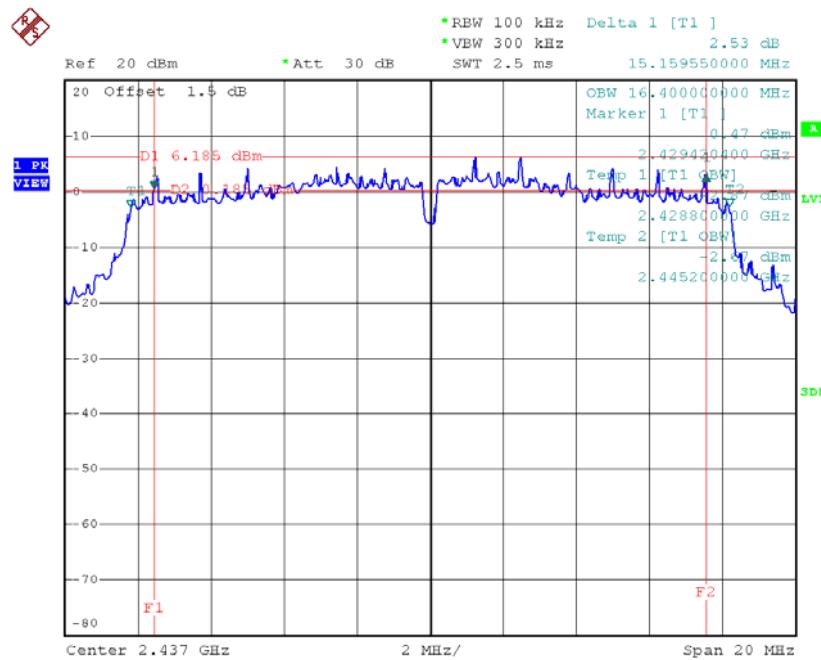
## Test Mode: TX G Mode\_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	13.88	16.36	500	Complies
2437	15.16	16.4	500	Complies
2462	14.08	16.4	500	Complies



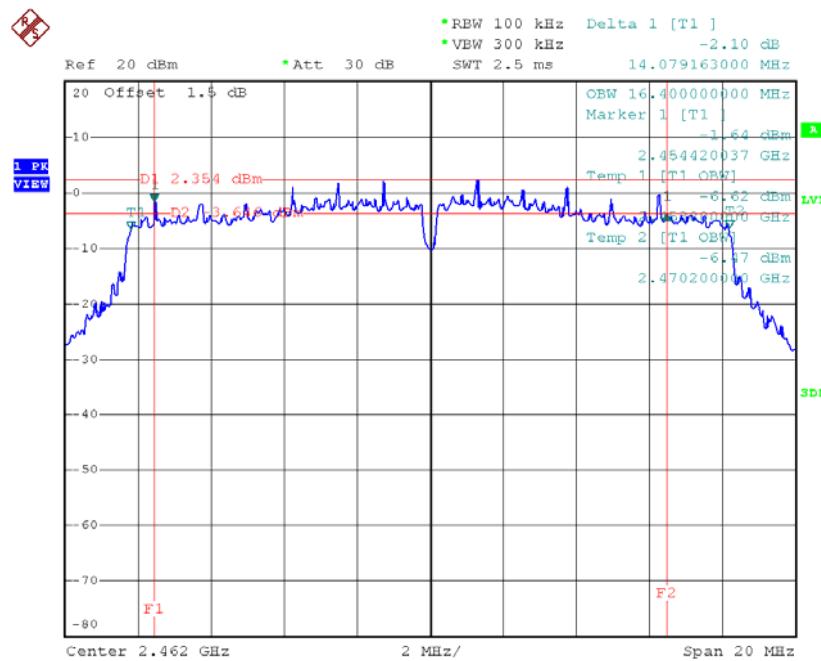
Date: 19.JAN.2017 09:25:06

## TX CH06



Date: 19.JAN.2017 09:29:51

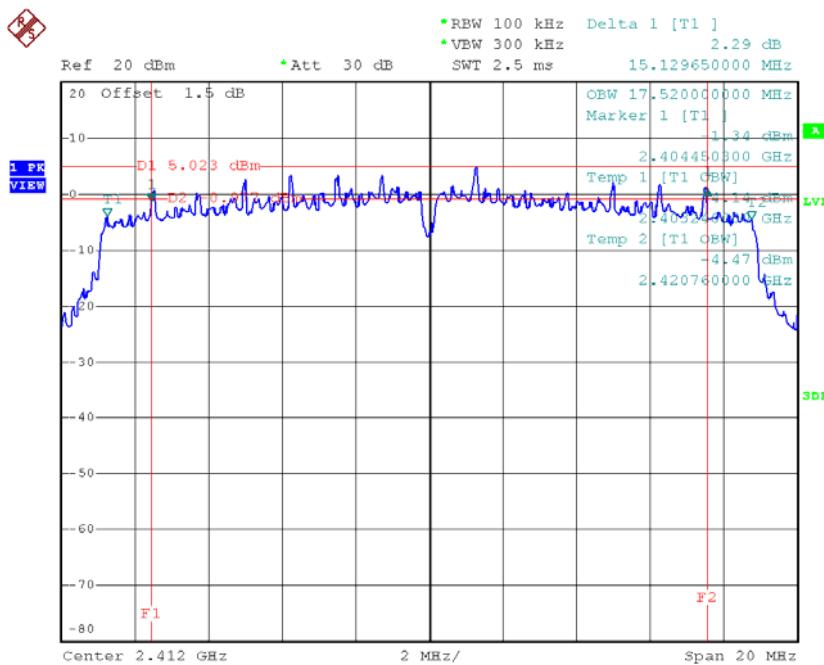
## TX CH11



Date: 19.JAN.2017 09:32:03

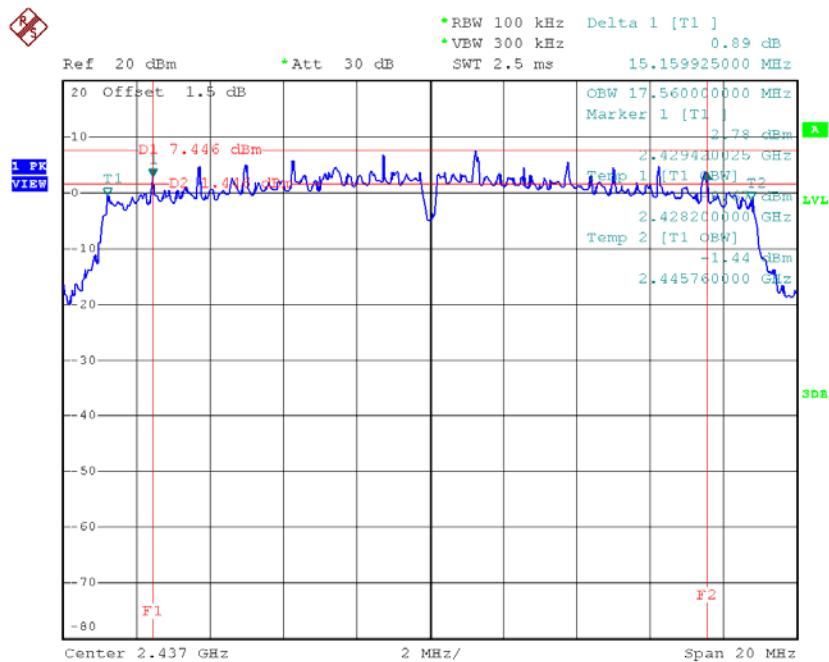
**Test Mode : TX N-20MHz Mode\_CH01/06/11**

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.13	17.52	500	Complies
2437	15.16	17.56	500	Complies
2462	15.16	17.52	500	Complies

**TX CH01**


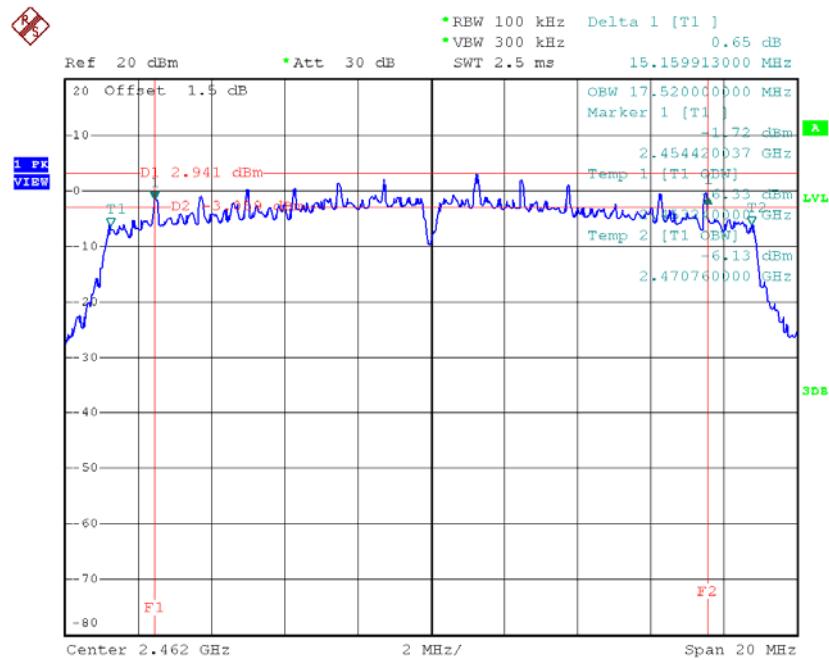
Date: 19.JAN.2017 09:36:50

## TX CH06



Date: 19.JAN.2017 09:38:54

## TX CH11

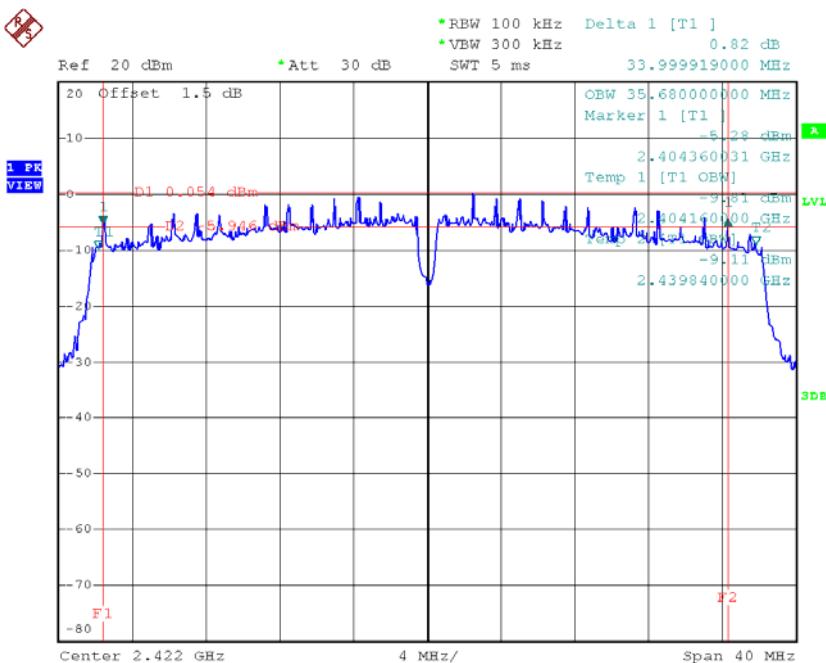


Date: 19.JAN.2017 09:40:09

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

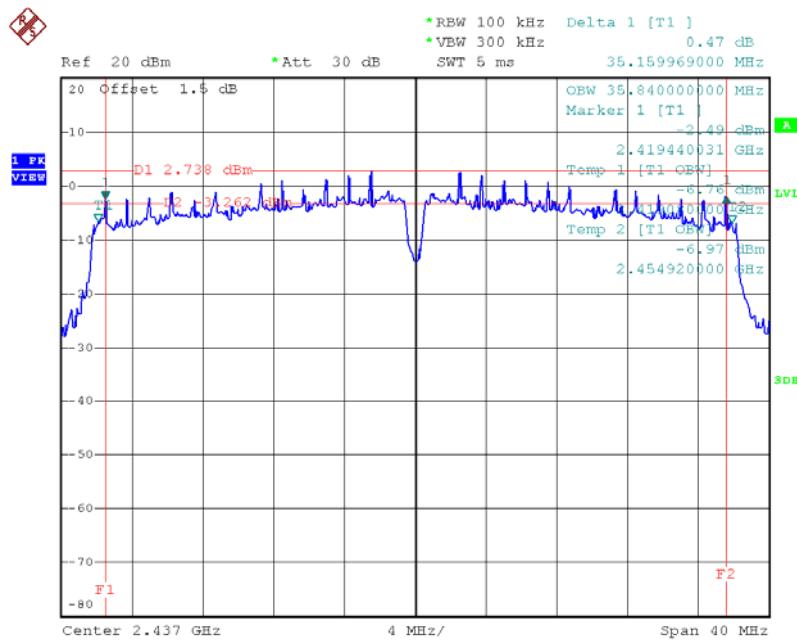
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	34	35.68	500	Complies
2437	35.16	35.84	500	Complies
2452	35.16	35.84	500	Complies

## TX CH03



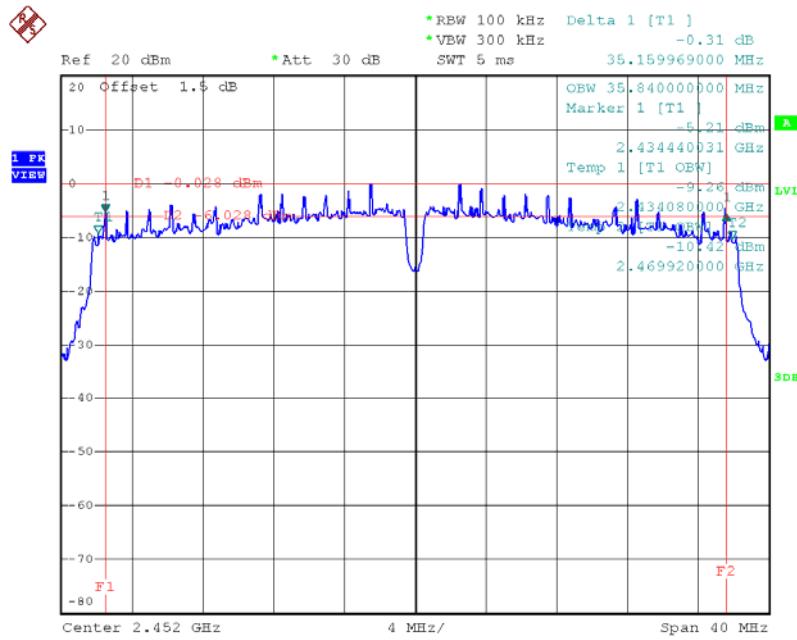
Date: 19.JAN.2017 09:41:54

## TX CH06



Date: 19.JAN.2017 09:43:50

## TX CH09



Date: 19.JAN.2017 09:45:21

## 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	20.09	0.10	30.00	1.00	Complies
2437	20.08	0.10	30.00	1.00	Complies
2462	19.97	0.10	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	24.12	0.26	30.00	1.00	Complies
2437	25.79	0.38	30.00	1.00	Complies
2462	22.78	0.19	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	23.91	0.25	30.00	1.00	Complies
2437	26.09	0.41	30.00	1.00	Complies
2462	22.79	0.19	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	22.89	0.19	30.00	1.00	Complies
2437	23.95	0.25	30.00	1.00	Complies
2462	22.23	0.17	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	26.44	0.44	30.00	1.00	Complies
2437	28.16	0.65	30.00	1.00	Complies
2462	25.53	0.36	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	21.79	0.15	30.00	1.00	Complies
2437	22.98	0.20	30.00	1.00	Complies
2452	21.88	0.15	30.00	1.00	Complies

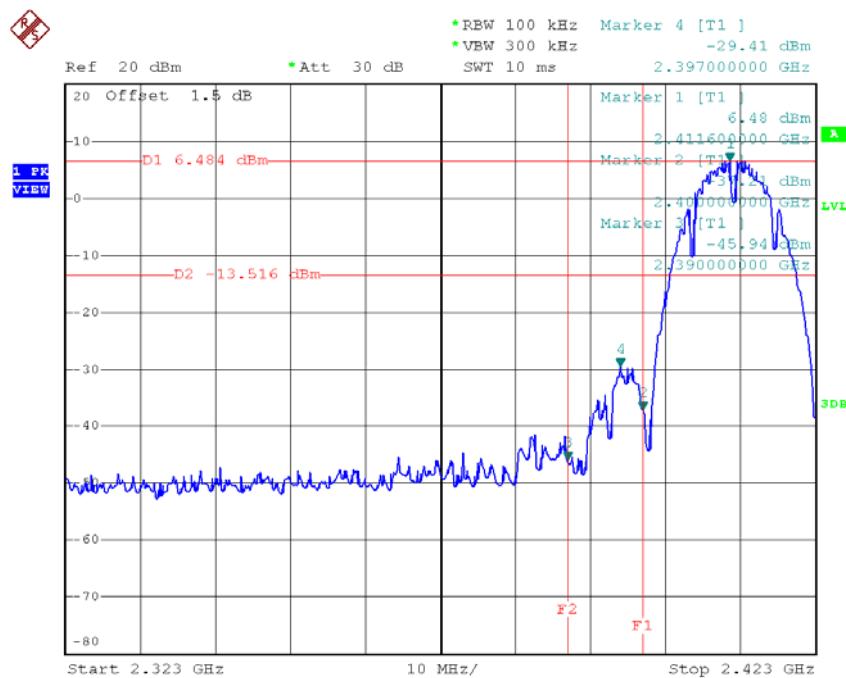
Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	22.69	0.19	30.00	1.00	Complies
2437	23.12	0.21	30.00	1.00	Complies
2452	21.37	0.14	30.00	1.00	Complies

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	25.27	0.34	30.00	1.00	Complies
2437	26.06	0.40	30.00	1.00	Complies
2452	24.64	0.29	30.00	1.00	Complies

## ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

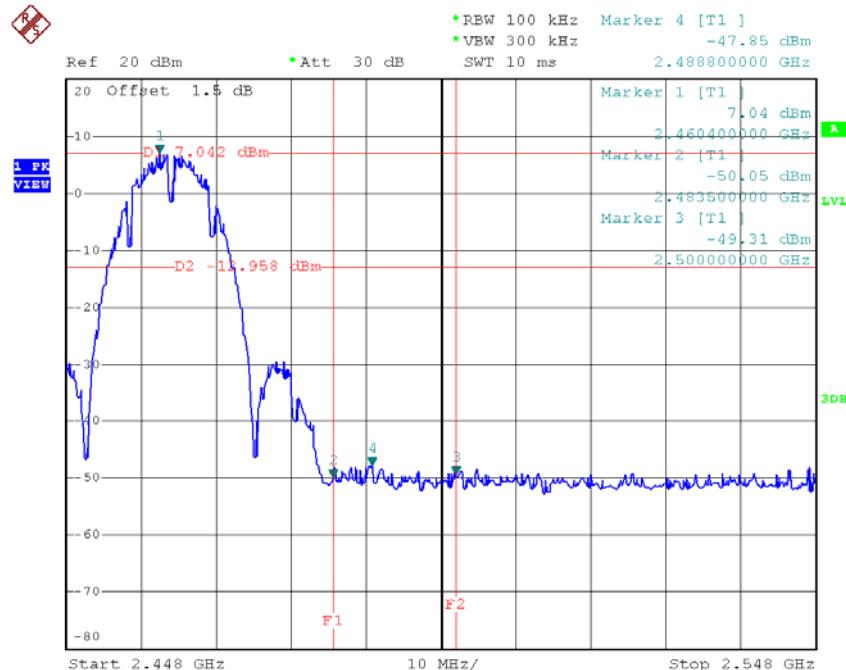
**Test Mode : TX B Mode\_ANT 1**

### TX B mode CH01



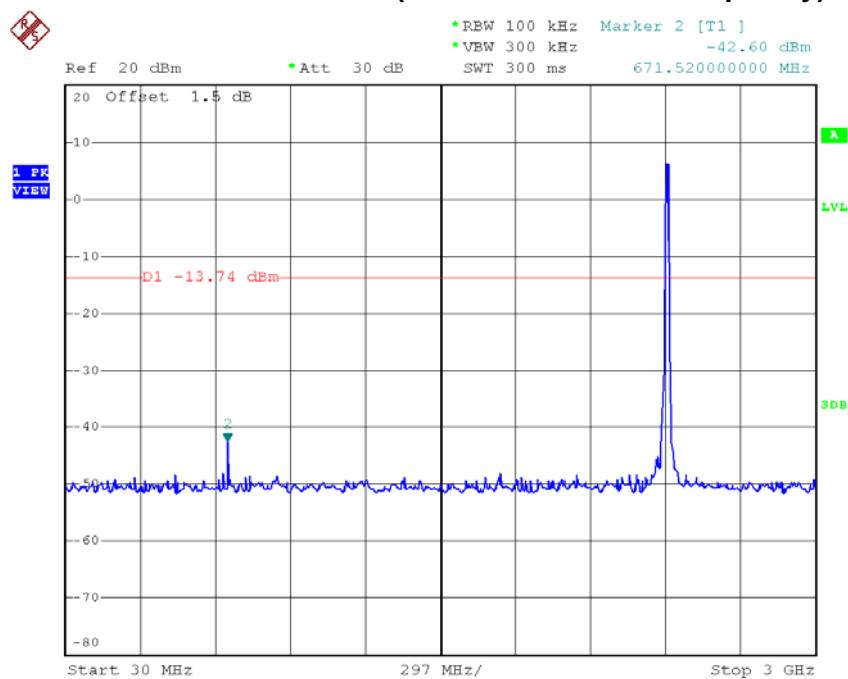
Date: 19.JAN.2017 09:18:03

### TX B mode CH11

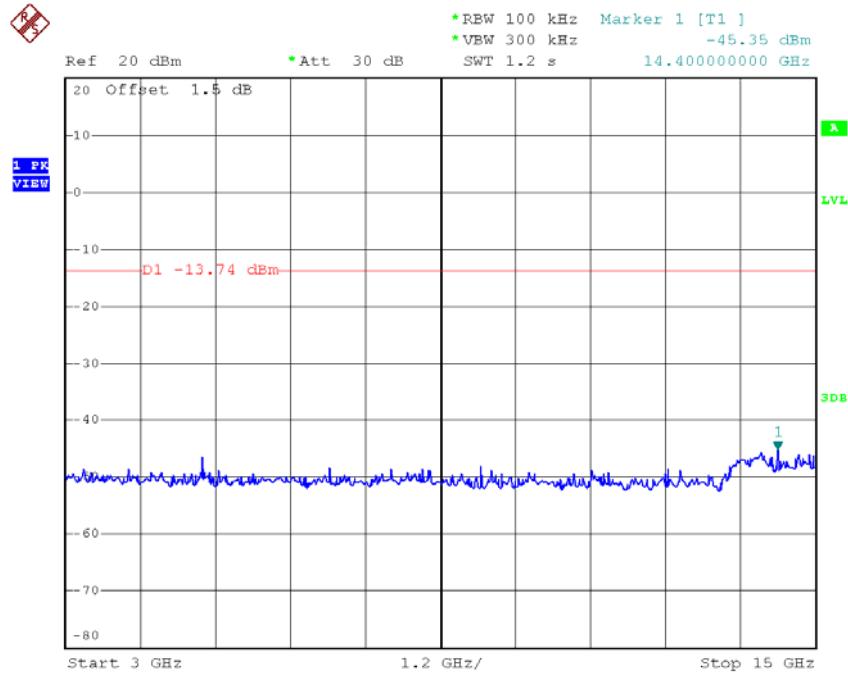


Date: 19.JAN.2017 09:23:34

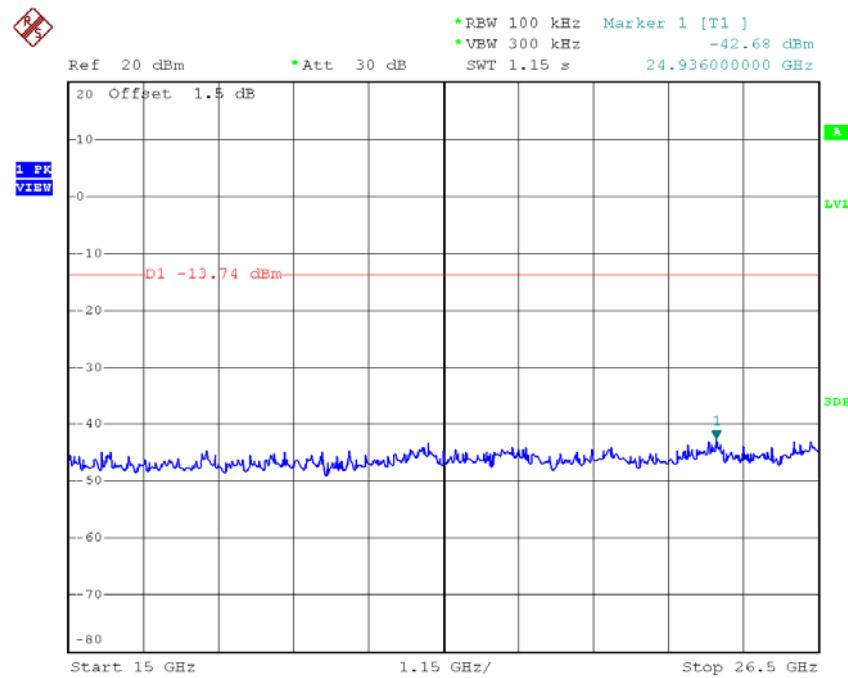
## TX B mode CH01 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:17:38

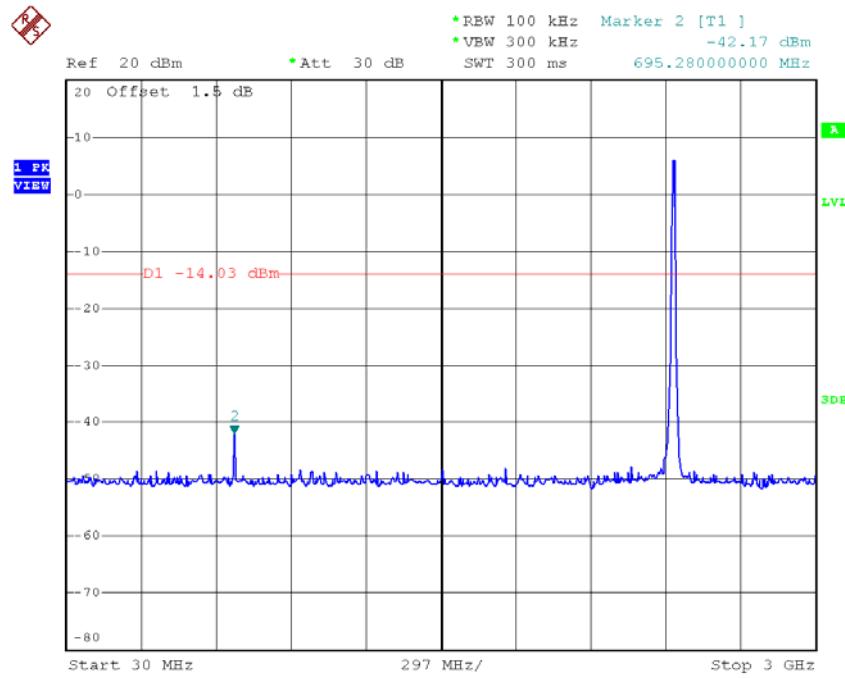


Date: 19.JAN.2017 09:17:47

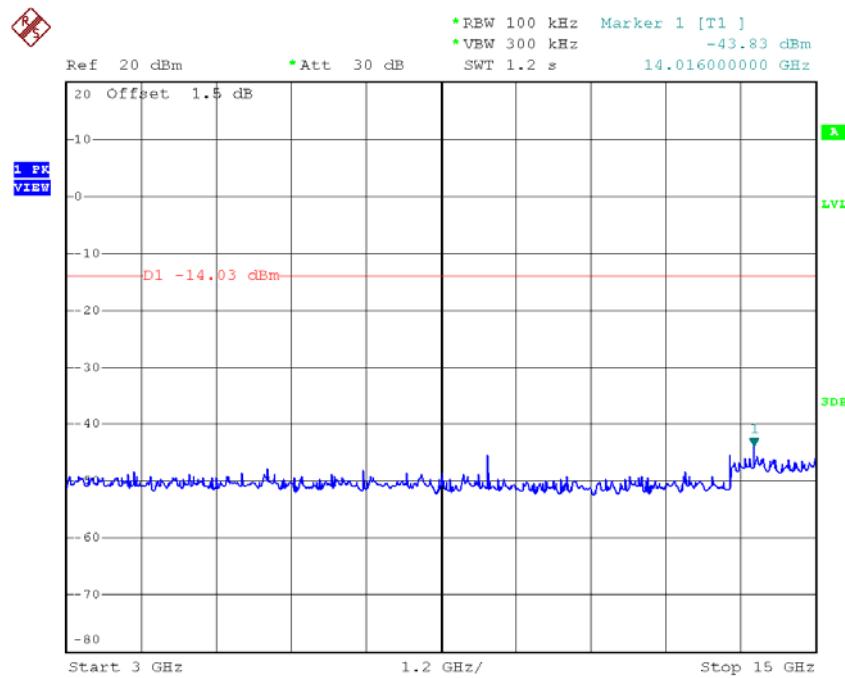


Date: 19.JAN.2017 09:17:55

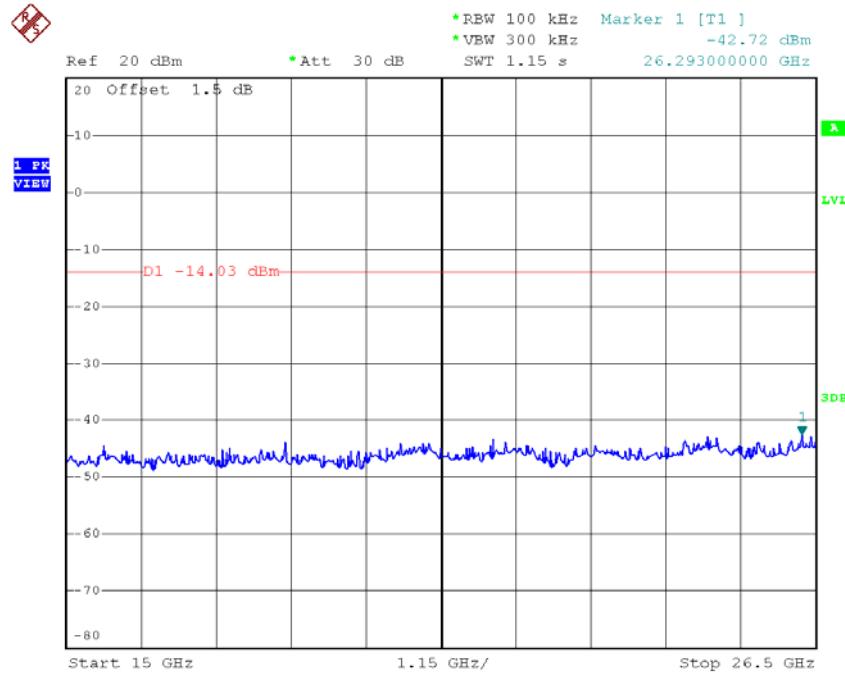
### TX B mode CH06 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:20:17

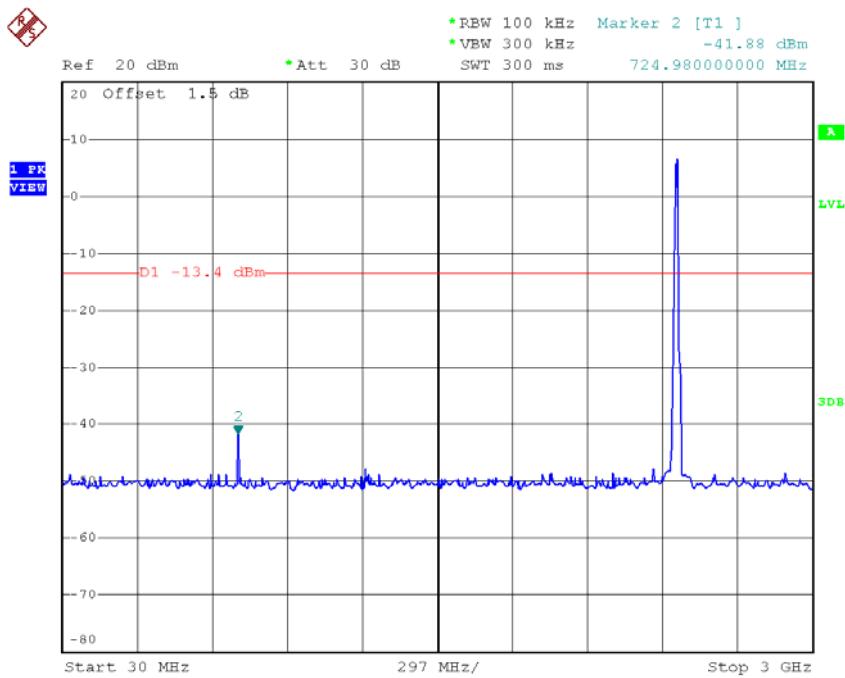


Date: 19.JAN.2017 09:20:25

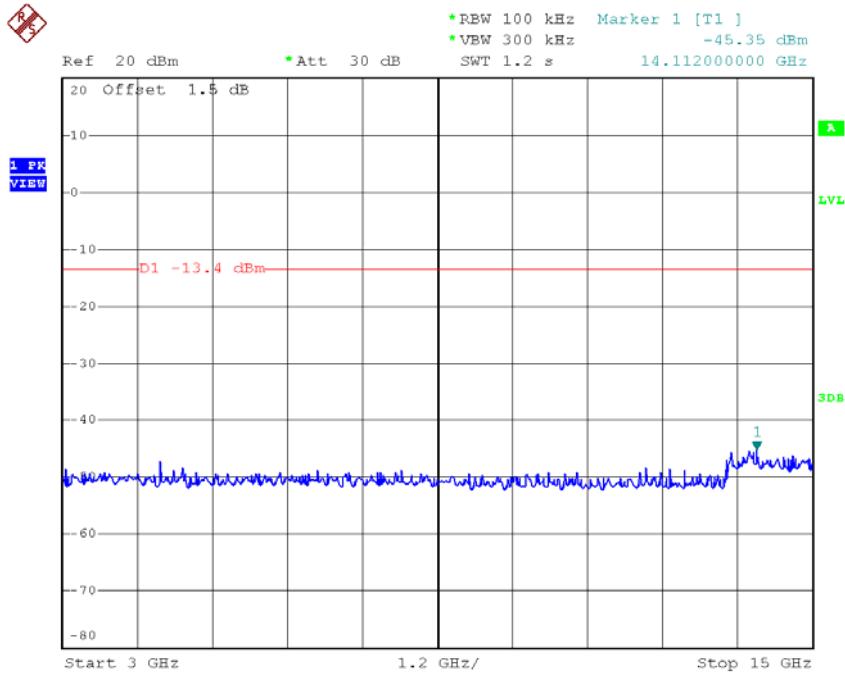


Date: 19.JAN.2017 09:20:33

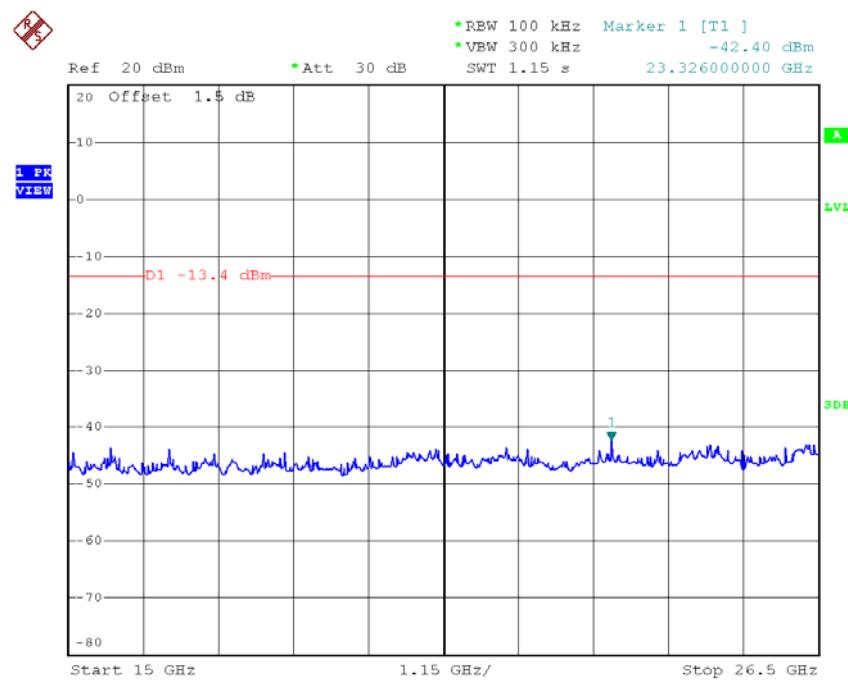
## TX B mode CH11 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:23:09



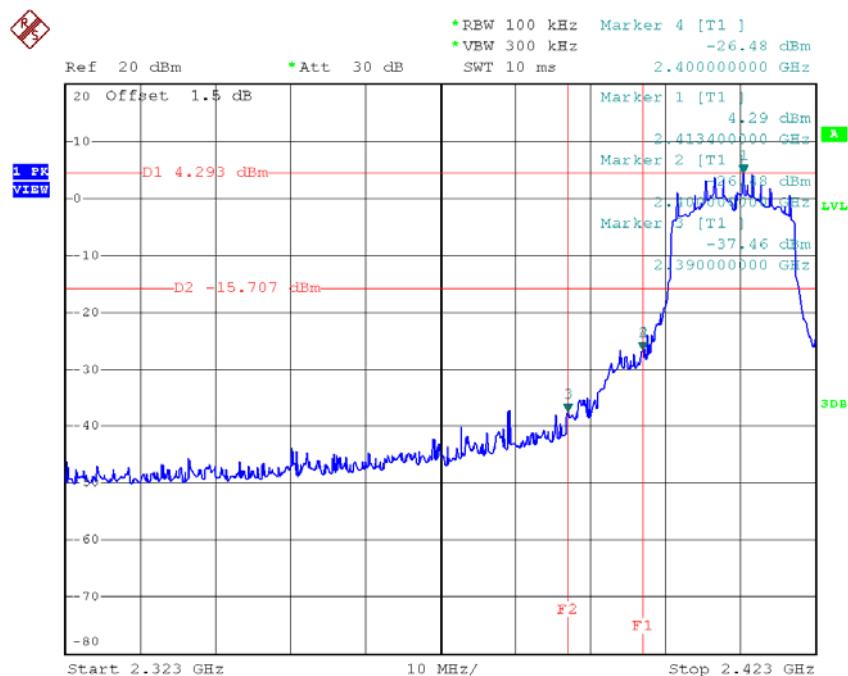
Date: 19.JAN.2017 09:23:18



Date: 19.JAN.2017 09:23:26

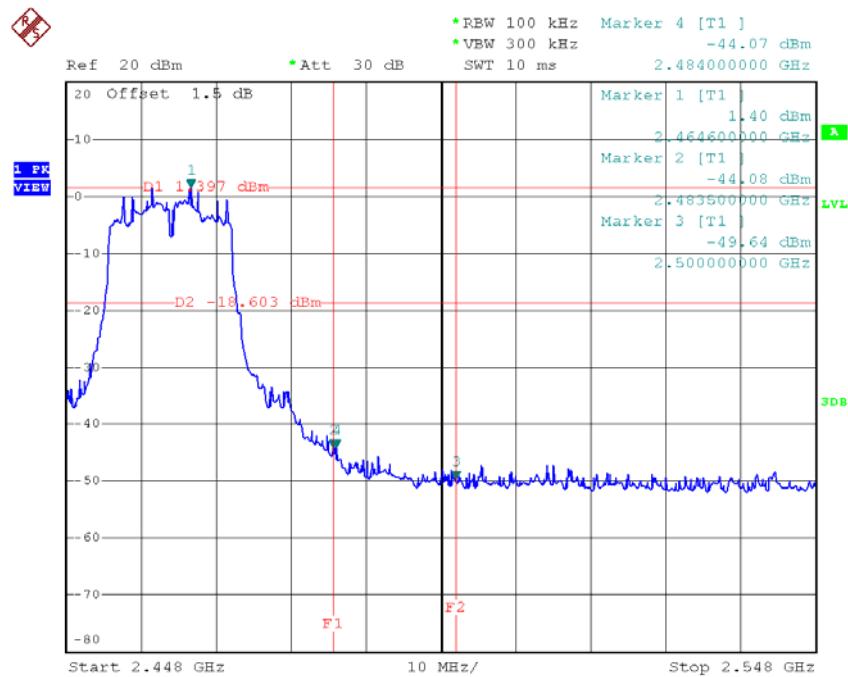
Test Mode :	TX G Mode_ANT 1
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### TX G mode CH01



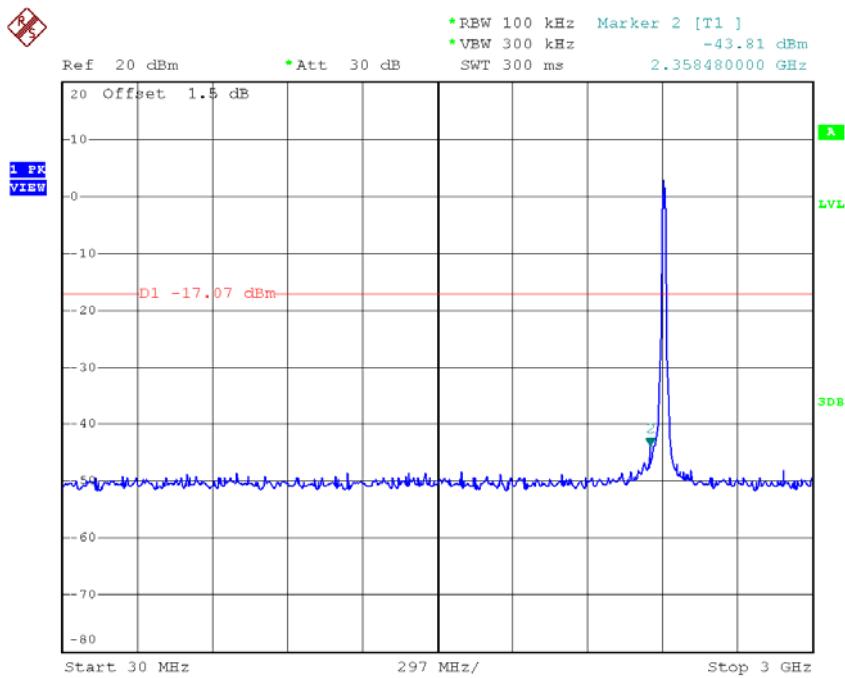
Date: 19.JAN.2017 09:25:44

### TX G mode CH11

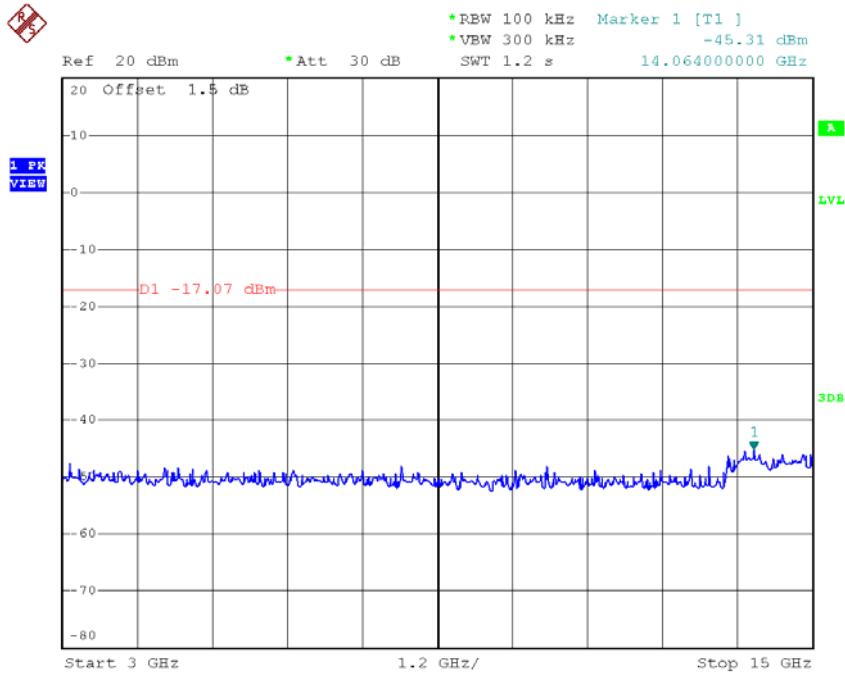


Date: 19.JAN.2017 09:32:41

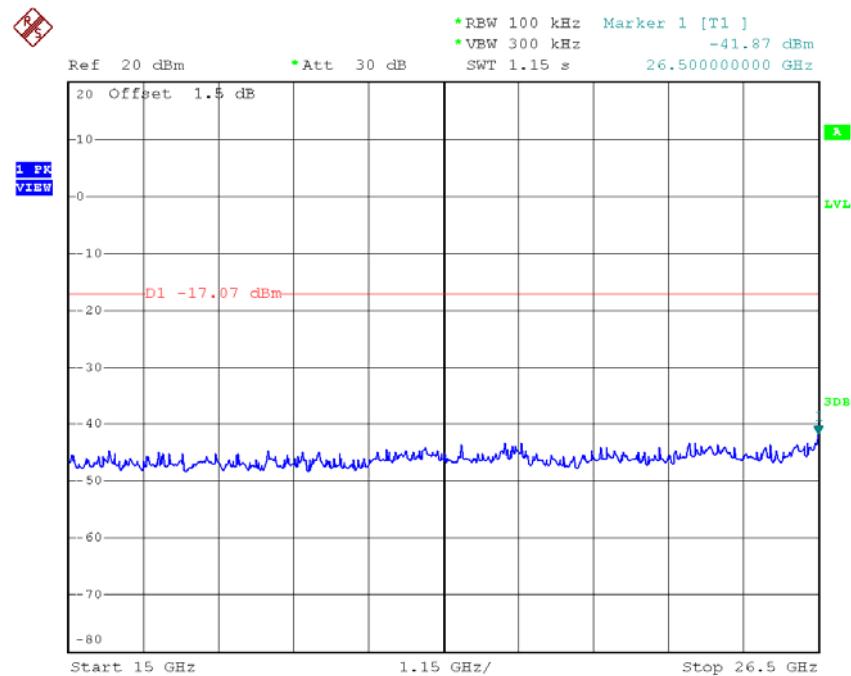
## TX G mode CH01 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:25:20

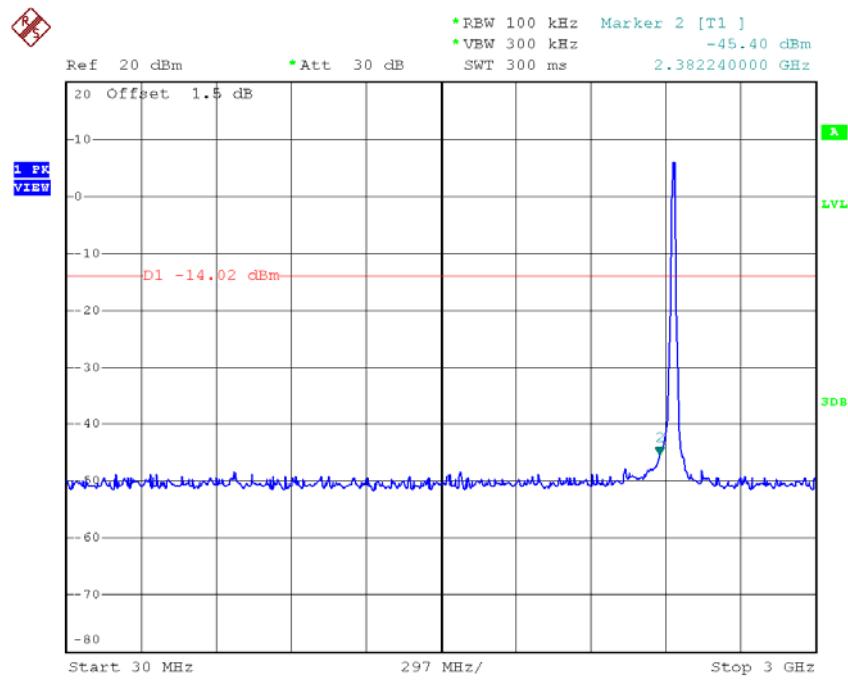


Date: 19.JAN.2017 09:25:28

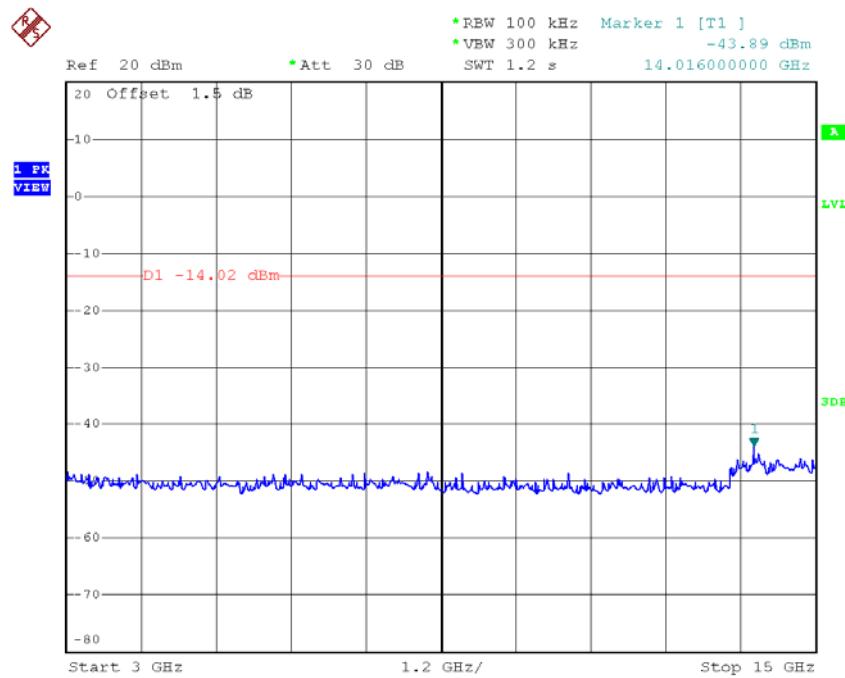


Date: 19.JAN.2017 09:25:36

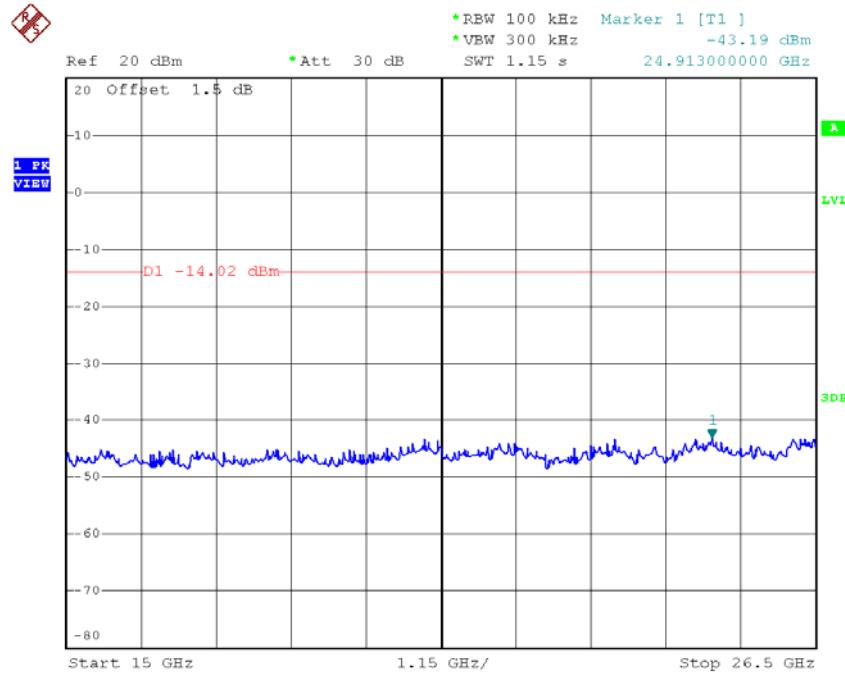
### TX G mode CH06 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:30:06

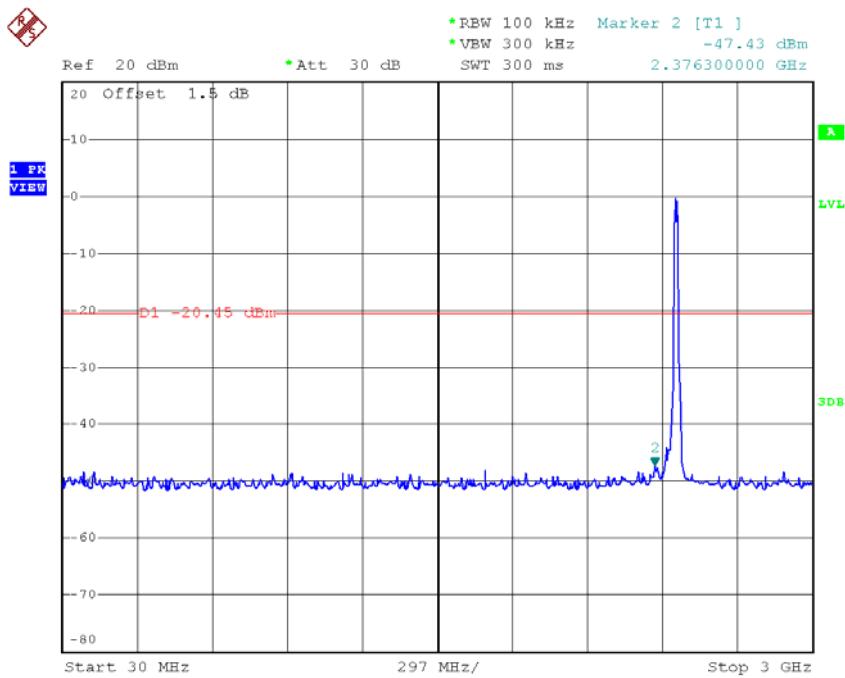


Date: 19.JAN.2017 09:30:14

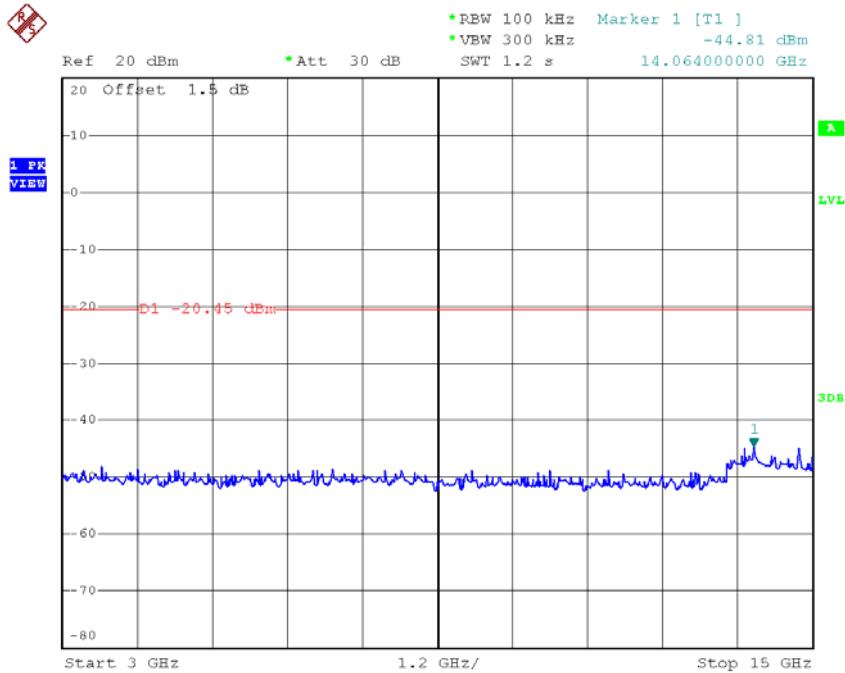


Date: 19.JAN.2017 09:30:22

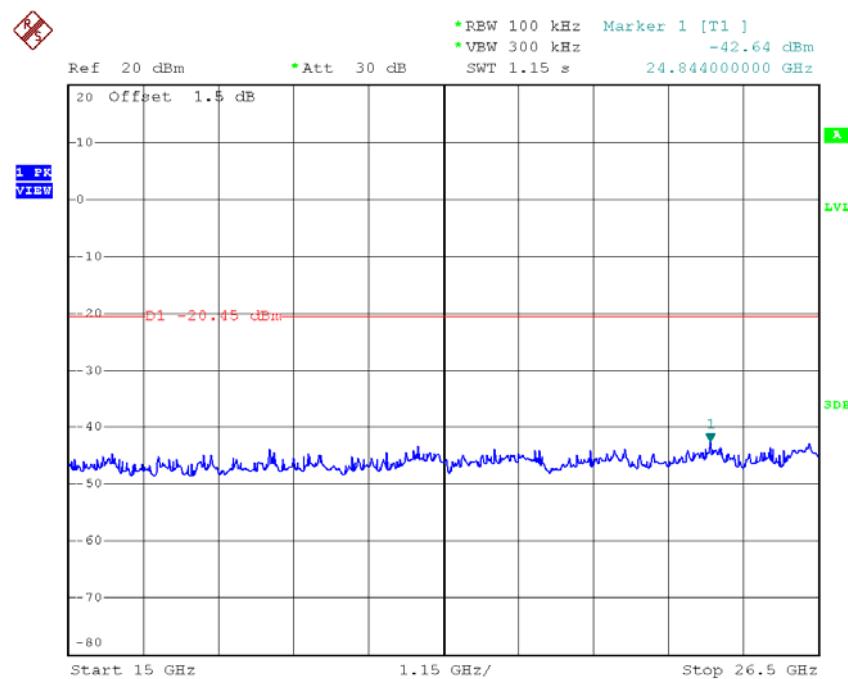
## TX G mode CH11 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:32:17



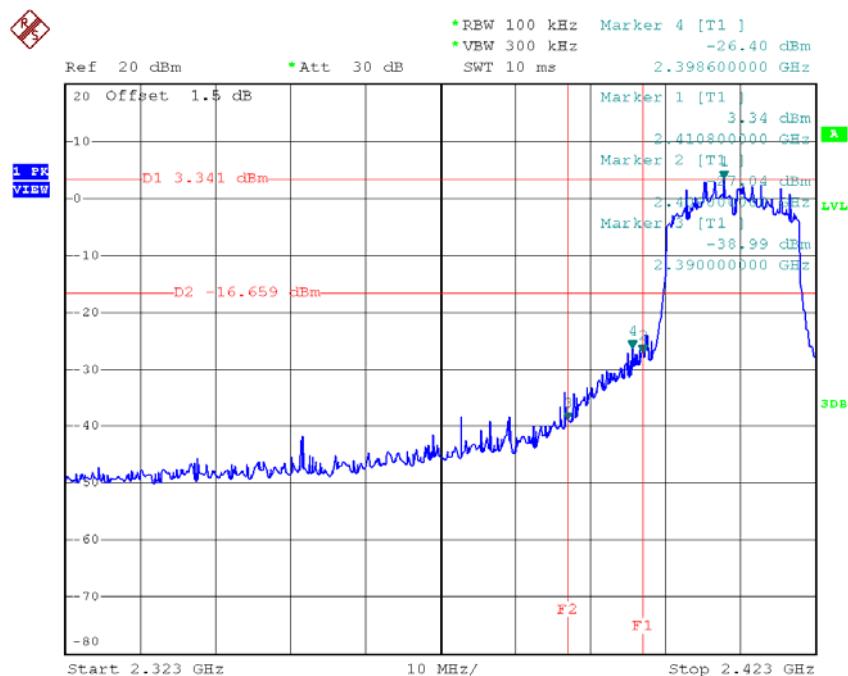
Date: 19.JAN.2017 09:32:25



Date: 19.JAN.2017 09:32:33

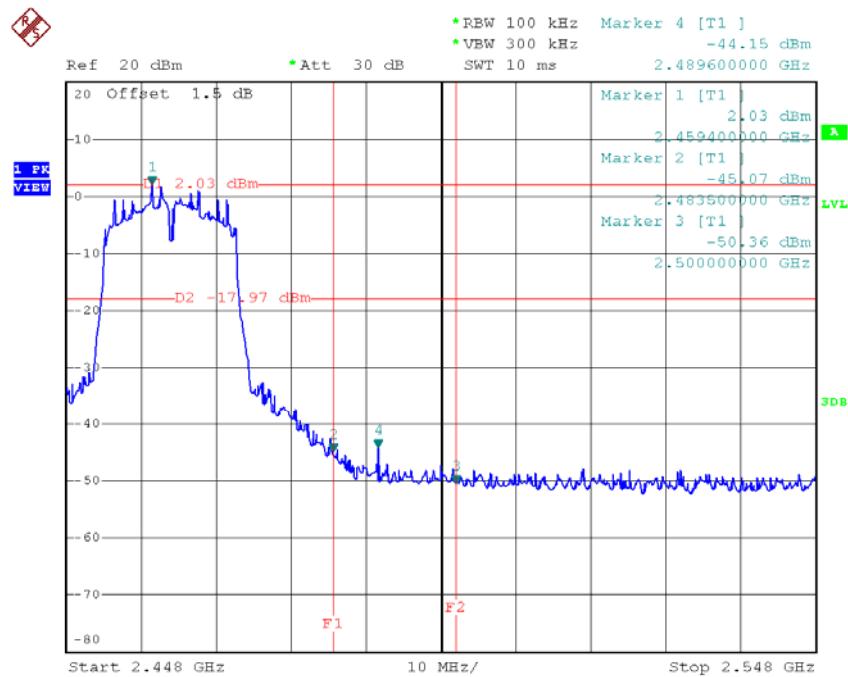
**Test Mode : TX N-20M Mode\_ANT 1**

### TX HT20 mode CH01



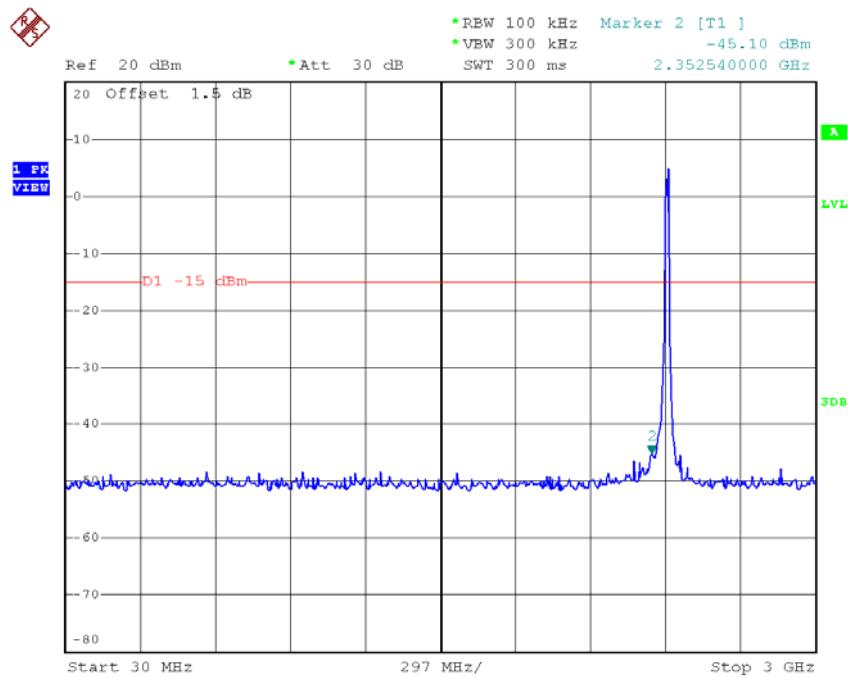
Date: 19.JAN.2017 09:37:27

### TX HT20 mode CH11

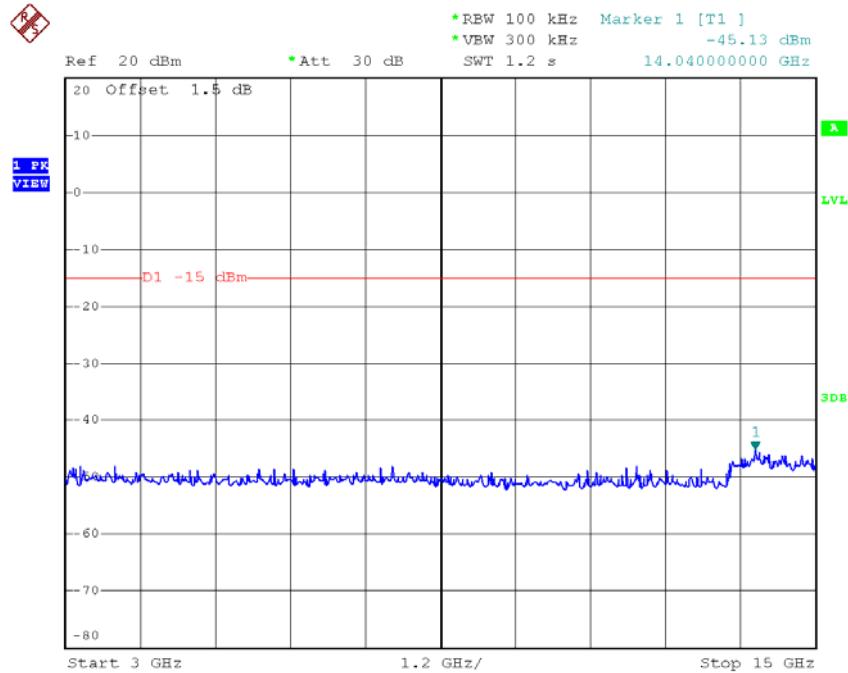


Date: 19.JAN.2017 09:40:46

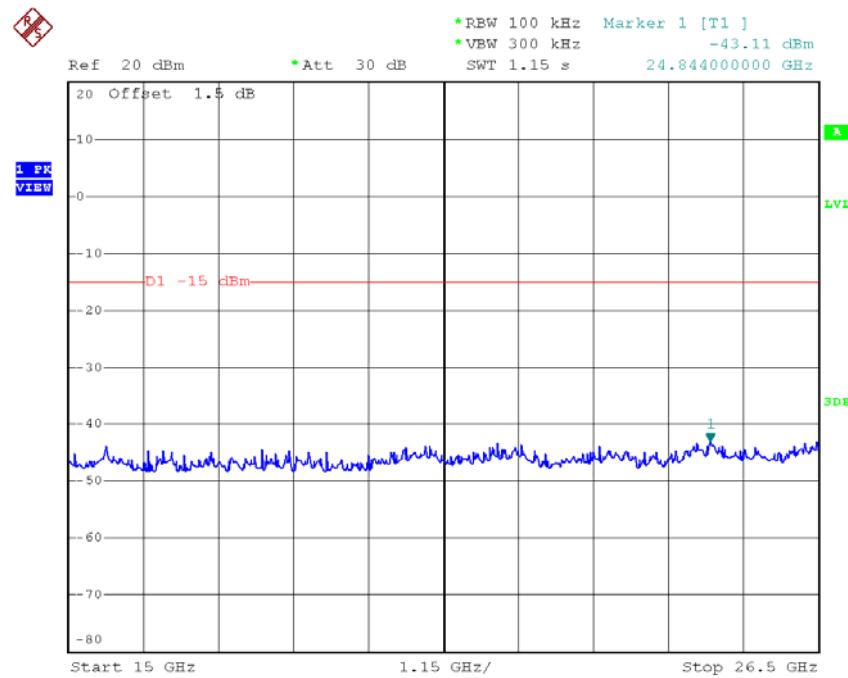
## TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:37:03

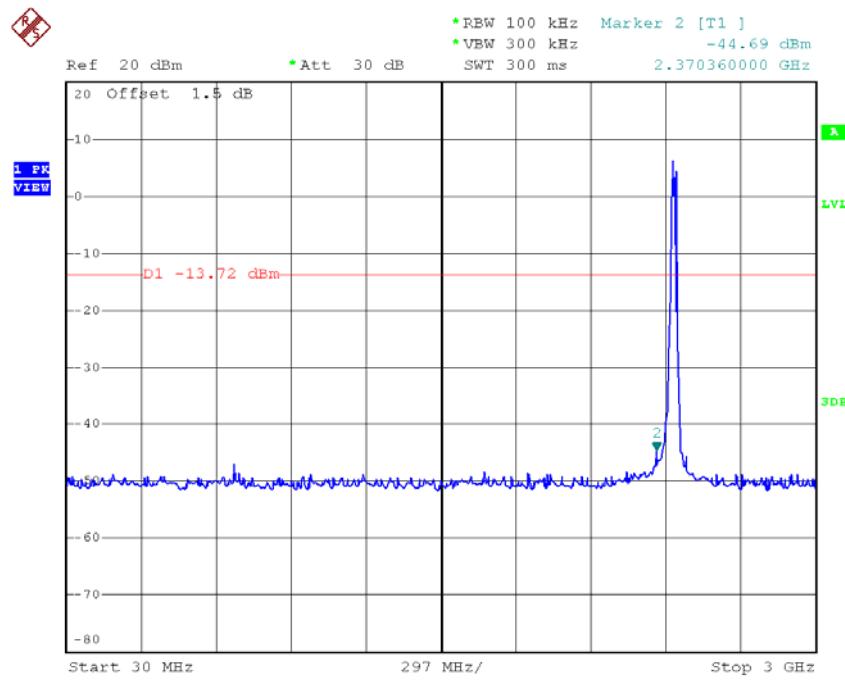


Date: 19.JAN.2017 09:37:11

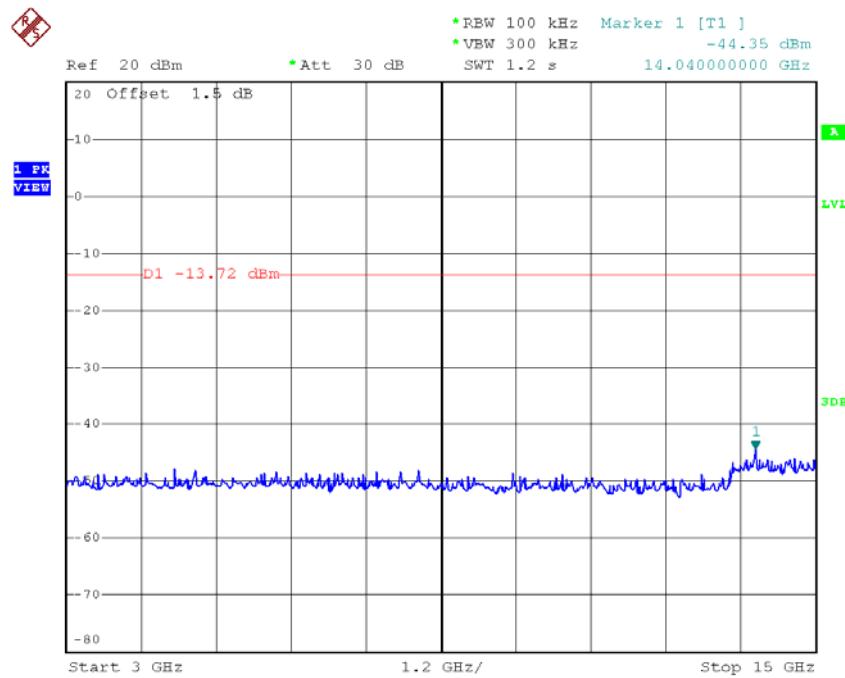


Date: 19.JAN.2017 09:37:19

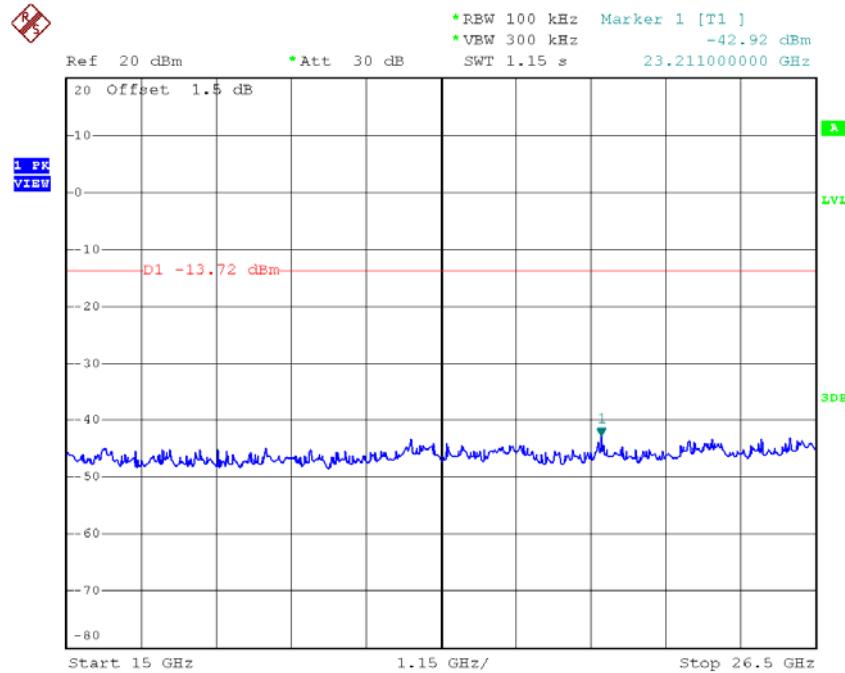
### TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:39:07

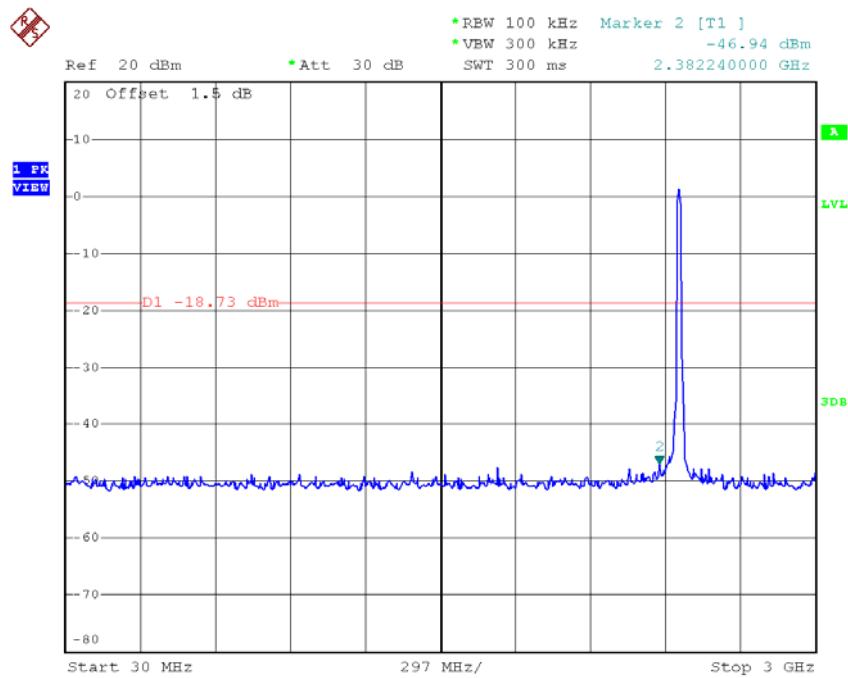


Date: 19.JAN.2017 09:39:15

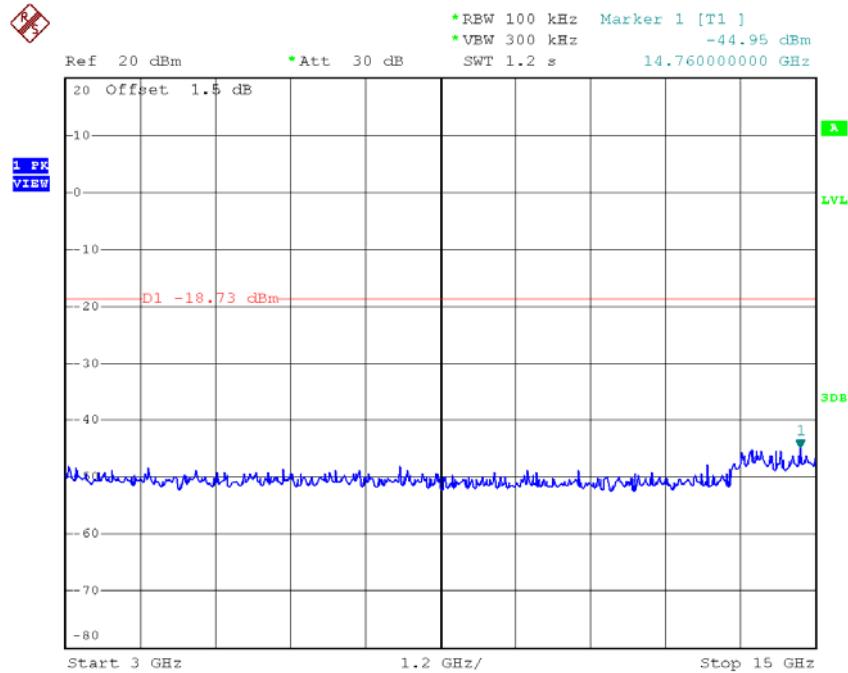


Date: 19.JAN.2017 09:39:23

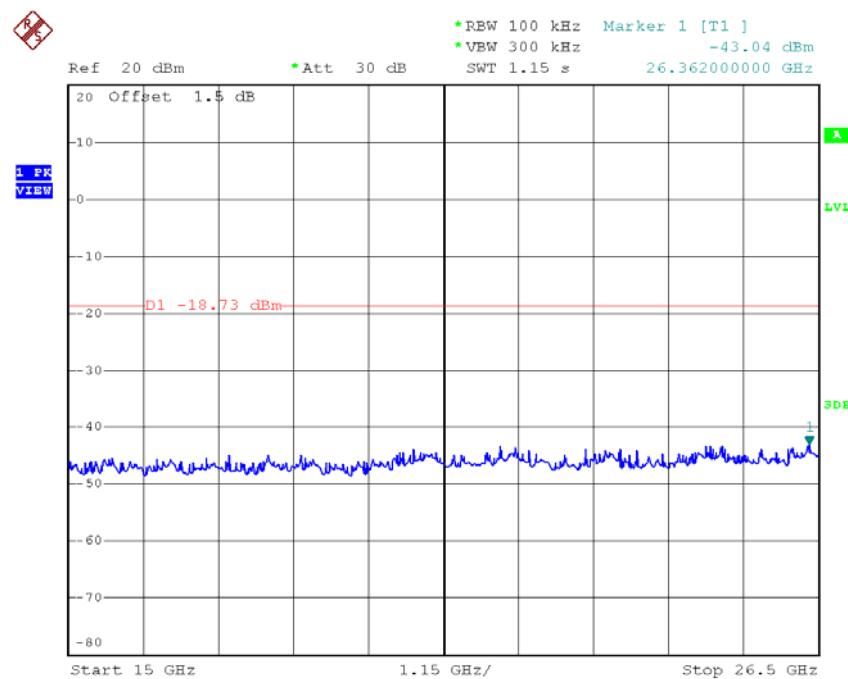
## TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:40:23



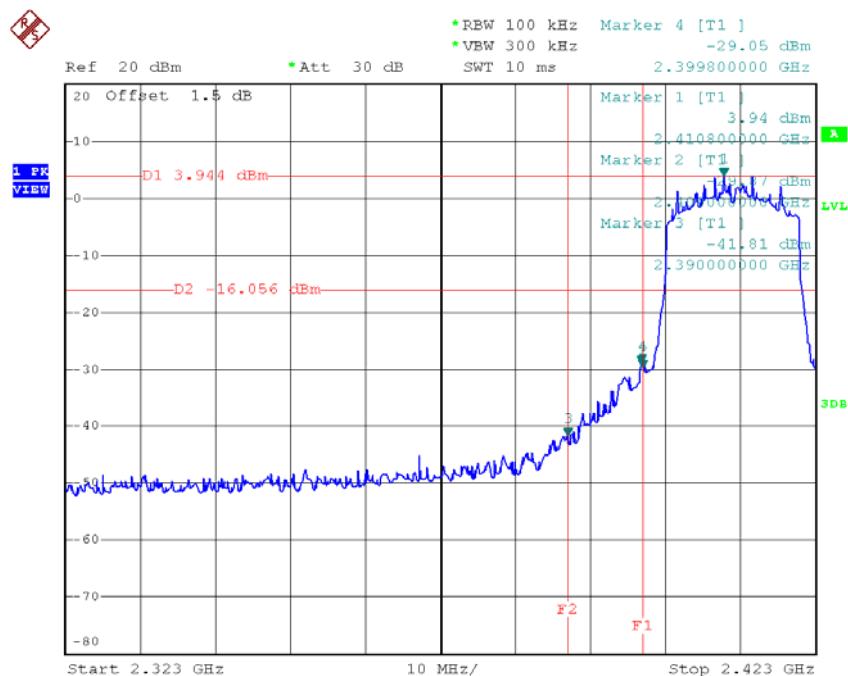
Date: 19.JAN.2017 09:40:31



Date: 19.JAN.2017 09:40:39

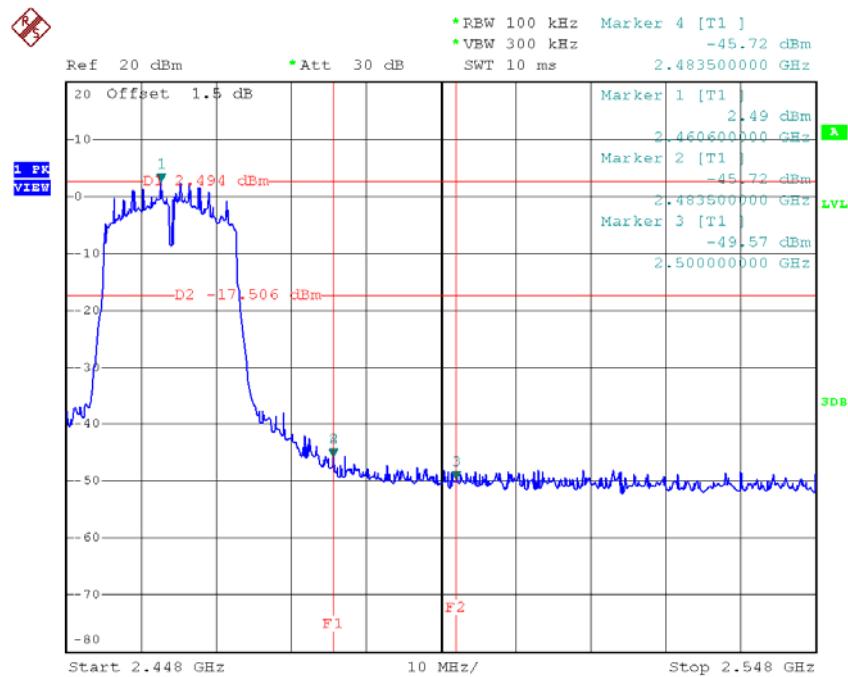
**Test Mode : TX N-20M Mode\_ANT 2**

### TX HT20 mode CH01



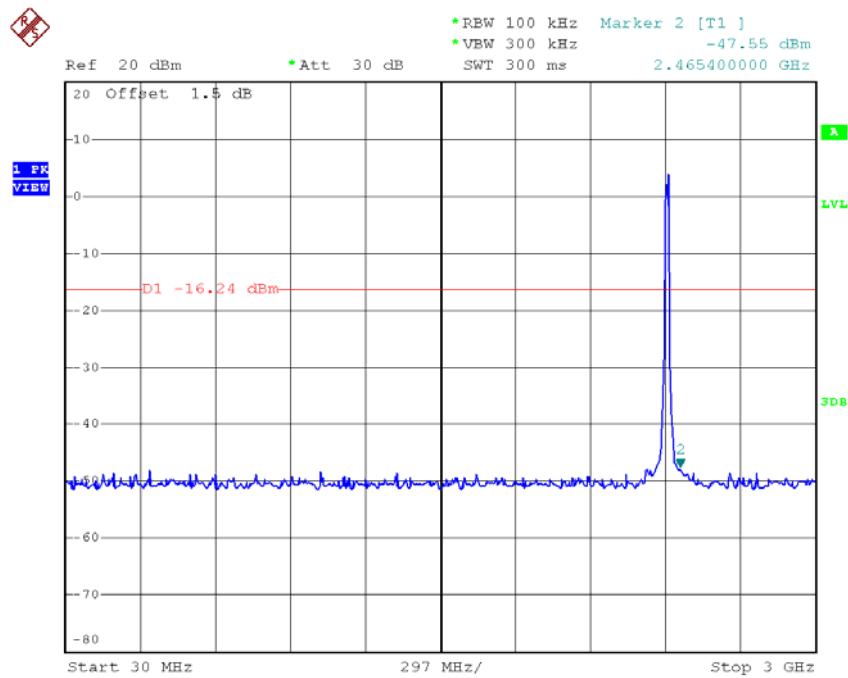
Date: 19.JAN.2017 09:51:07

### TX HT20 mode CH11

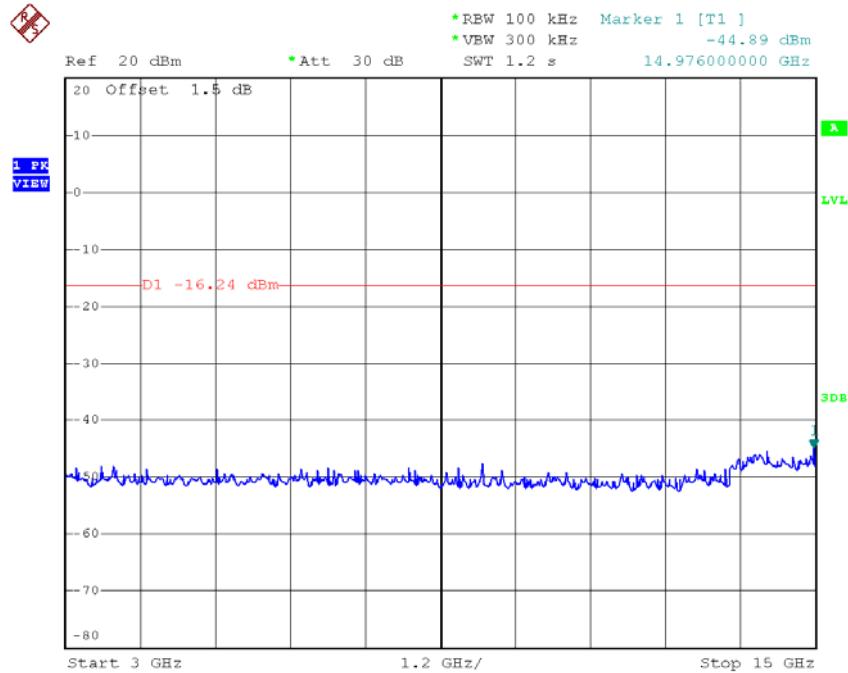


Date: 19.JAN.2017 09:56:00

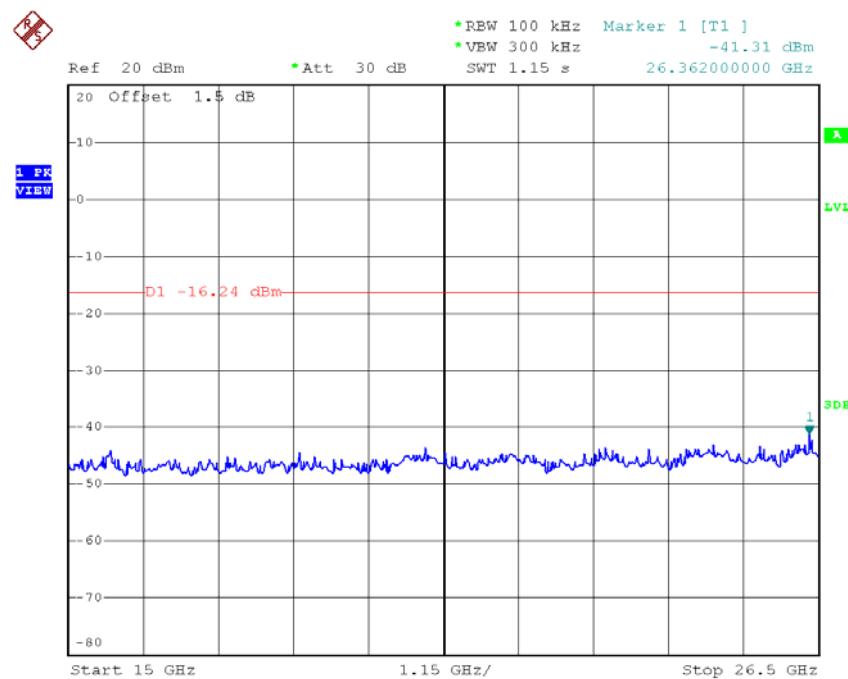
## TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:50:43

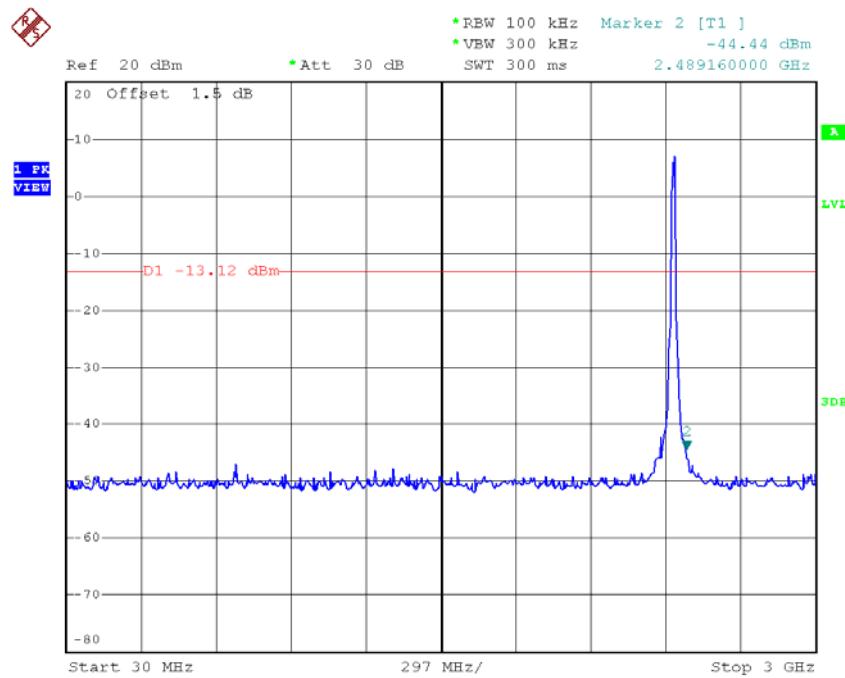


Date: 19.JAN.2017 09:50:51

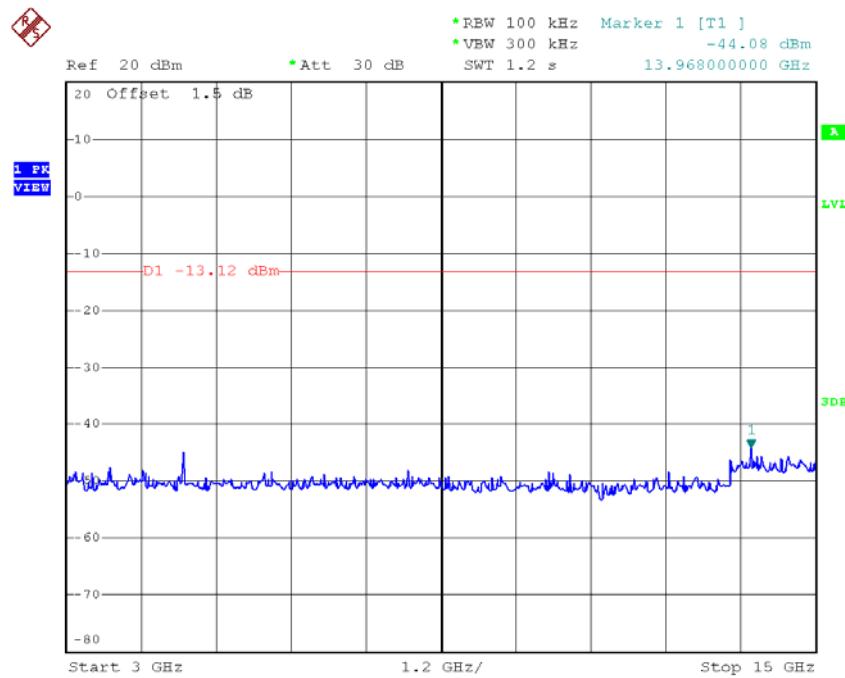


Date: 19.JAN.2017 09:51:00

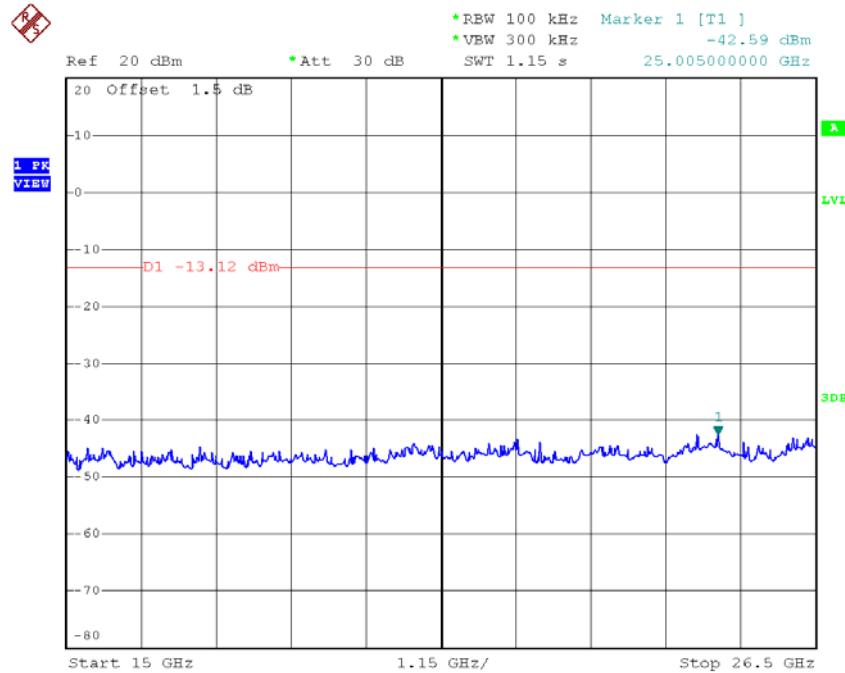
### TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:54:06

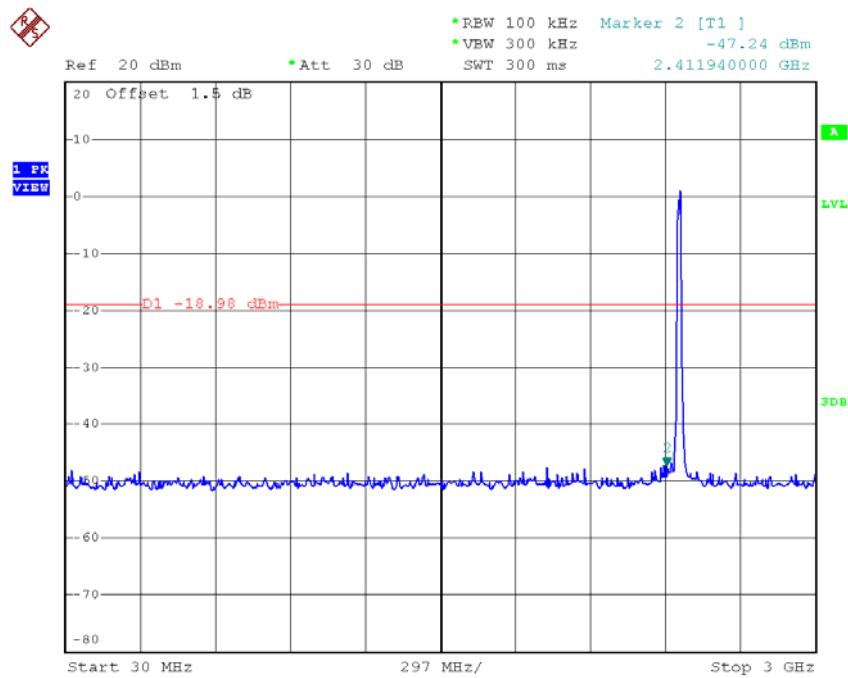


Date: 19.JAN.2017 09:54:14

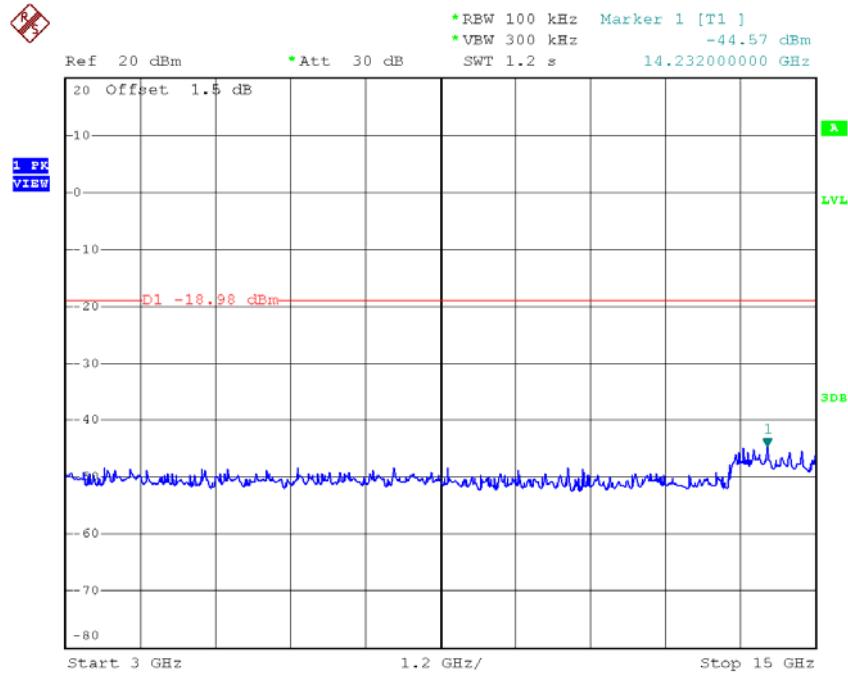


Date: 19.JAN.2017 09:54:22

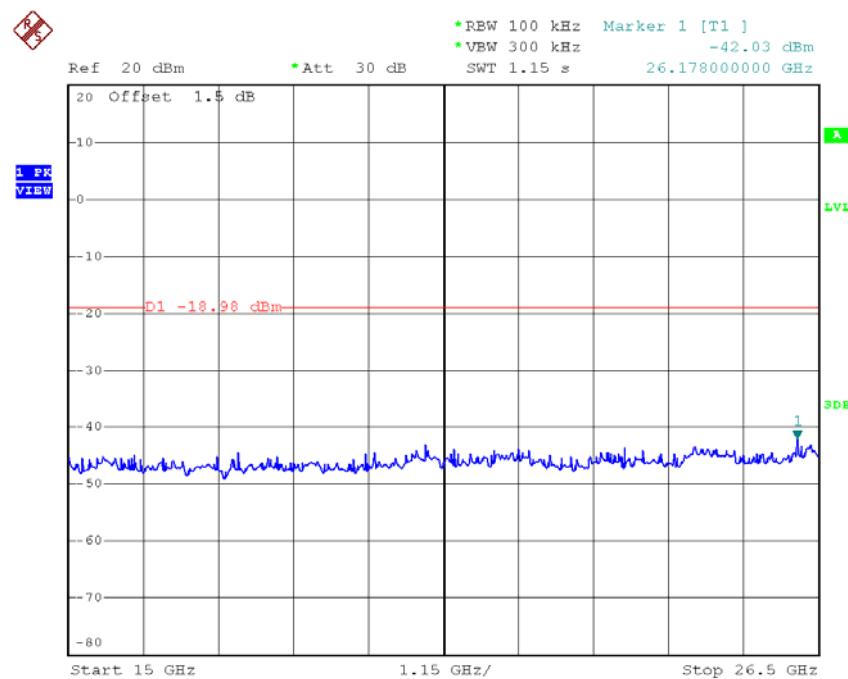
## TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:55:36



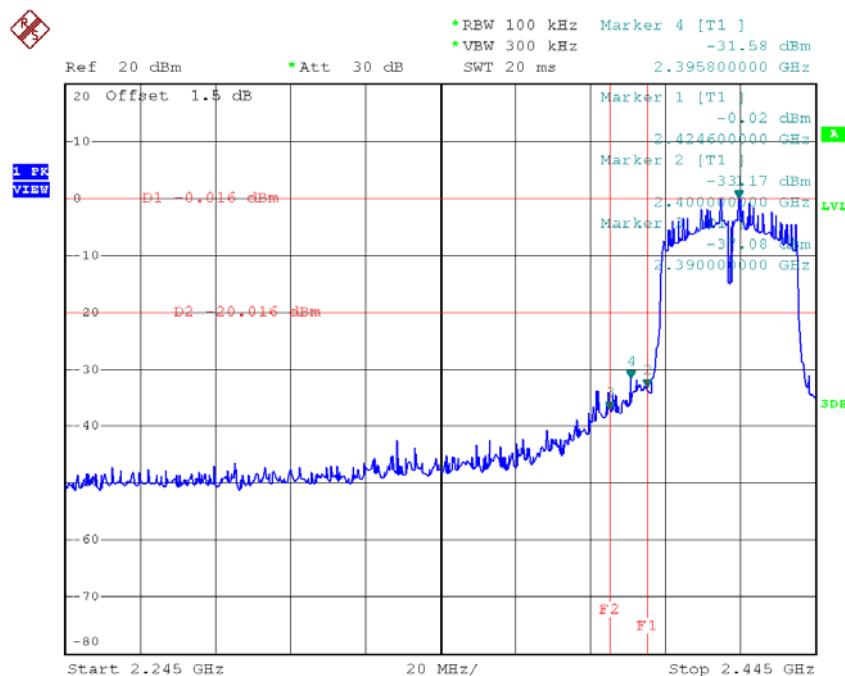
Date: 19.JAN.2017 09:55:44



Date: 19.JAN.2017 09:55:52

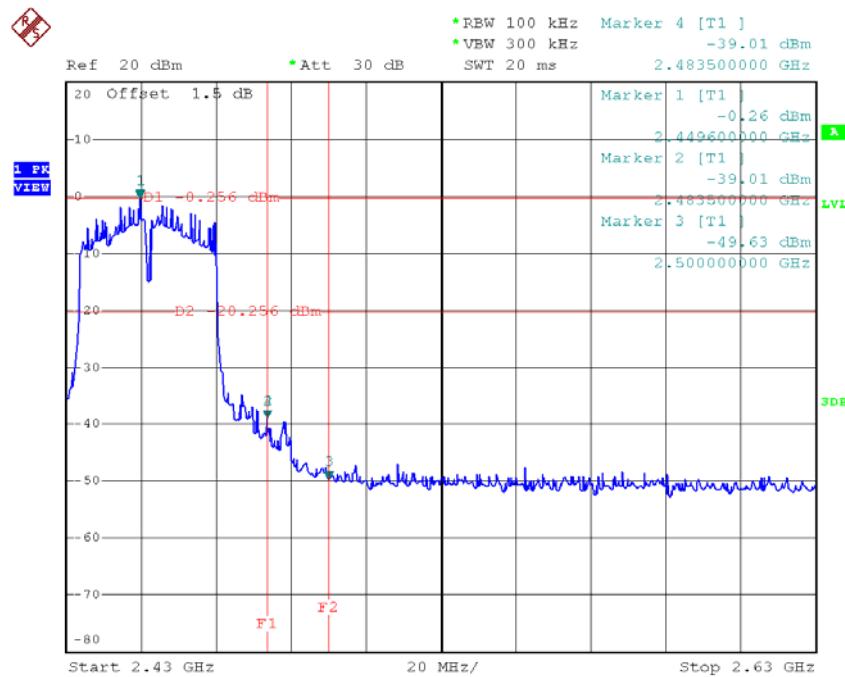
**Test Mode : TX N-40M Mode\_ANT 1**

### TX HT40 mode CH03



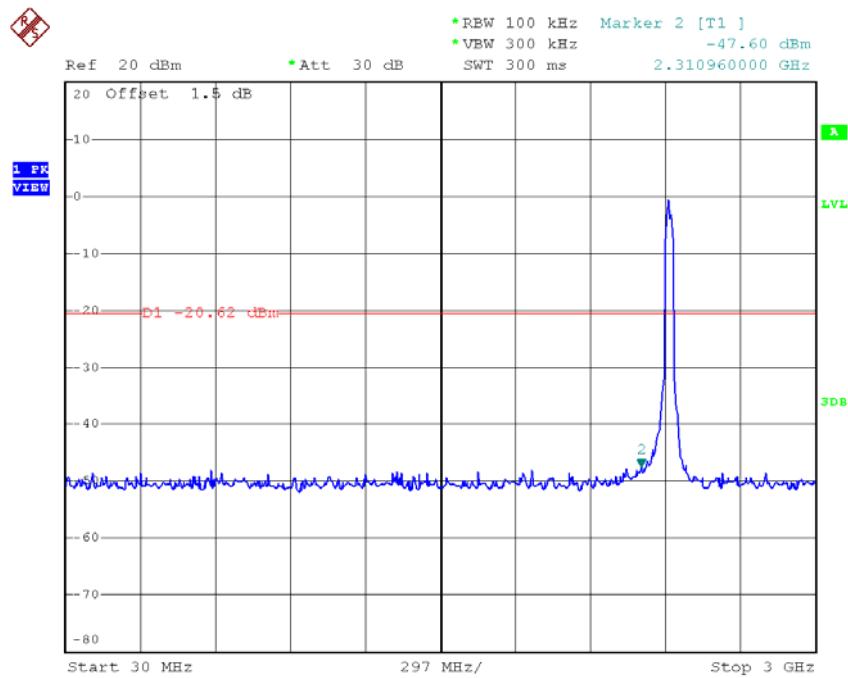
Date: 19.JAN.2017 09:42:33

### TX HT40 mode CH09

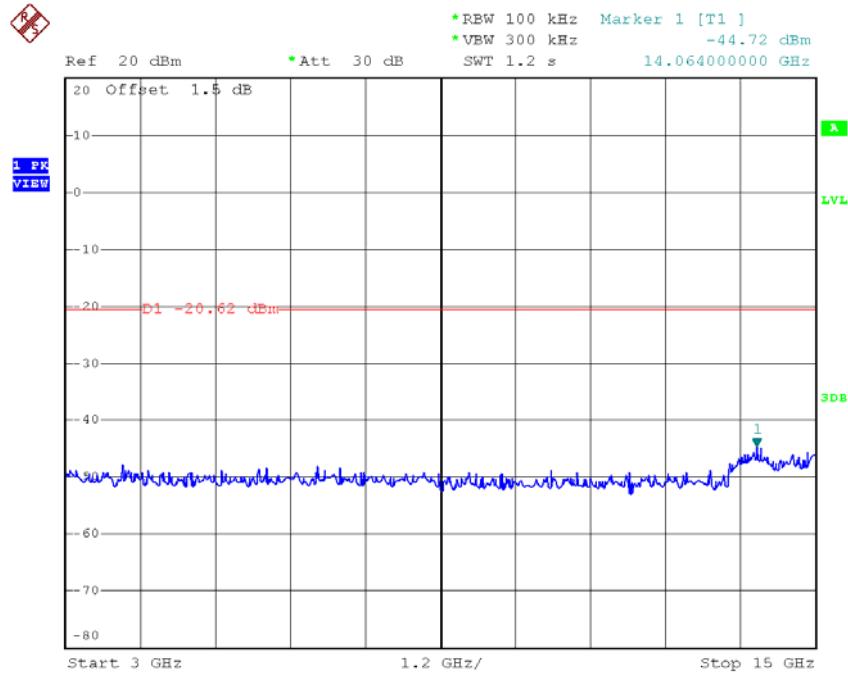


Date: 19.JAN.2017 09:45:59

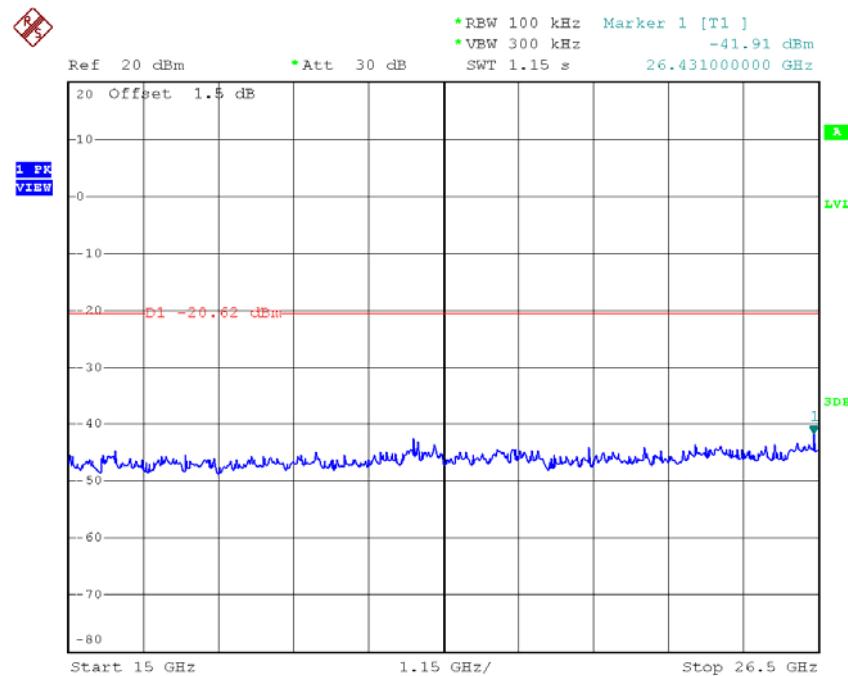
## TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:42:08

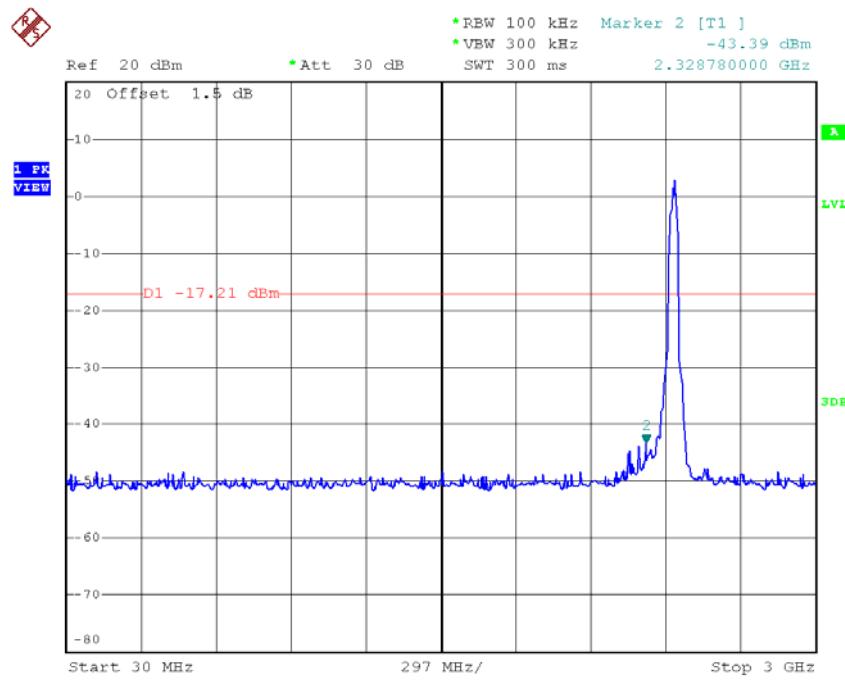


Date: 19.JAN.2017 09:42:17

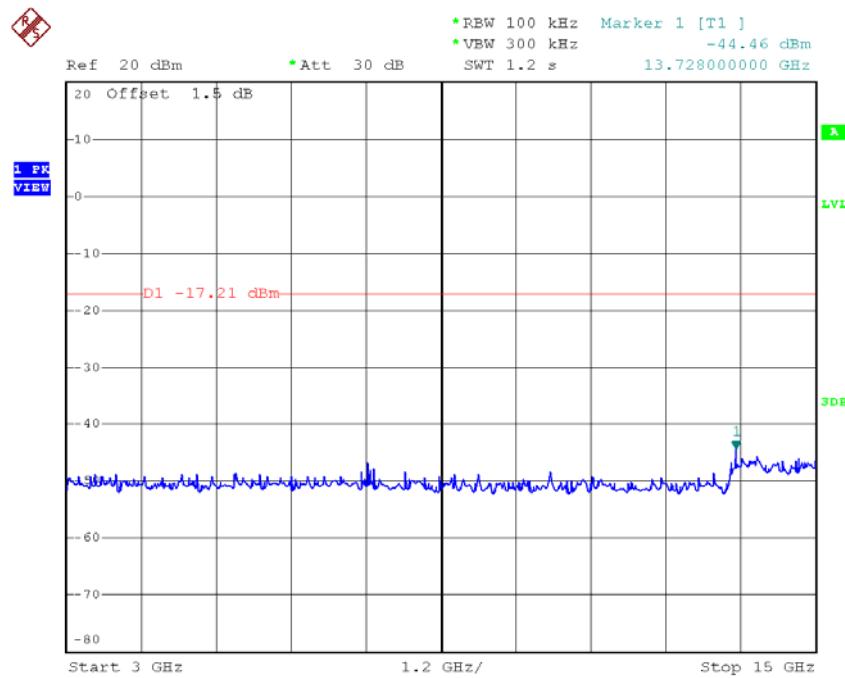


Date: 19.JAN.2017 09:42:25

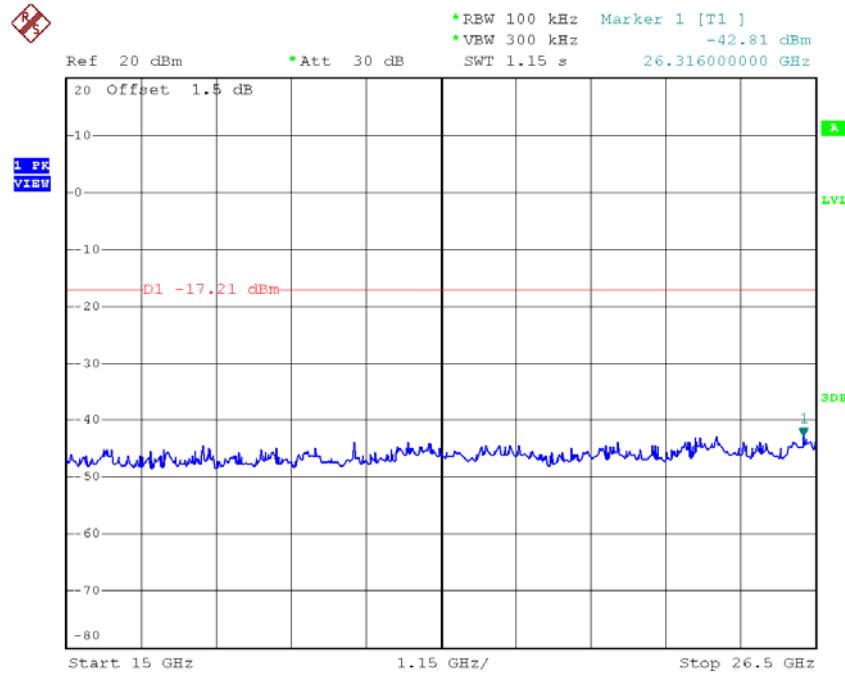
### TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:44:04

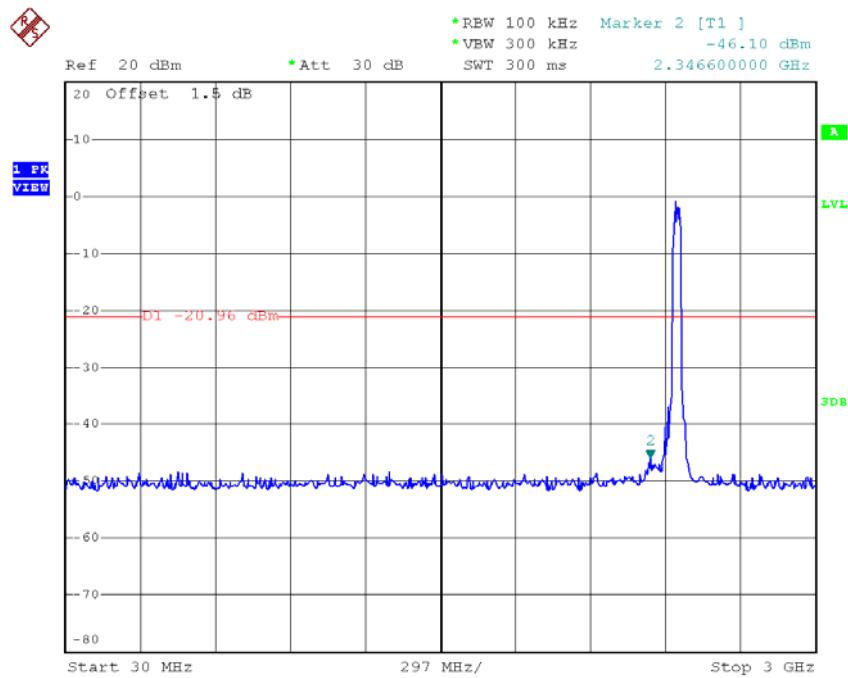


Date: 19.JAN.2017 09:44:12

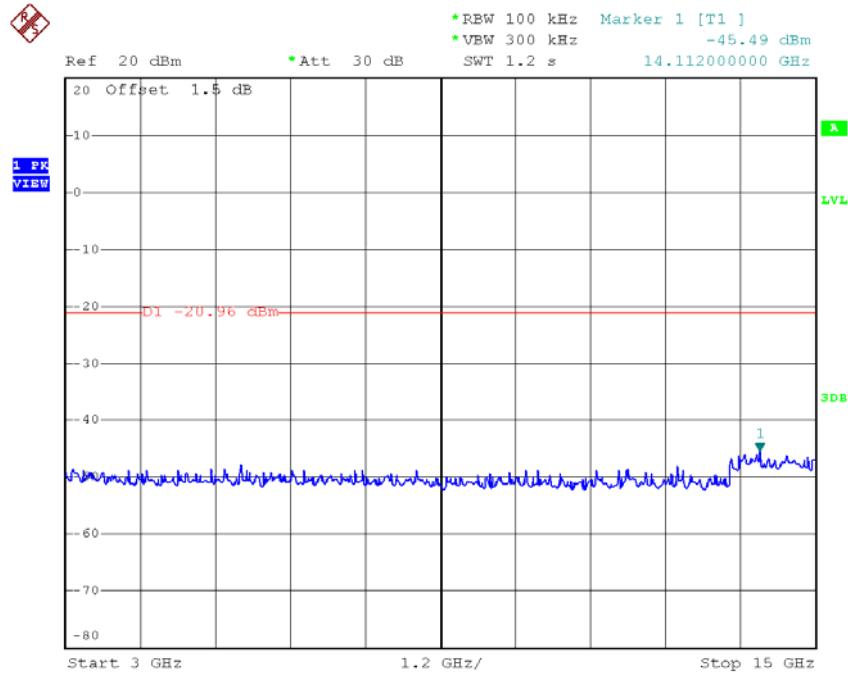


Date: 19.JAN.2017 09:44:32

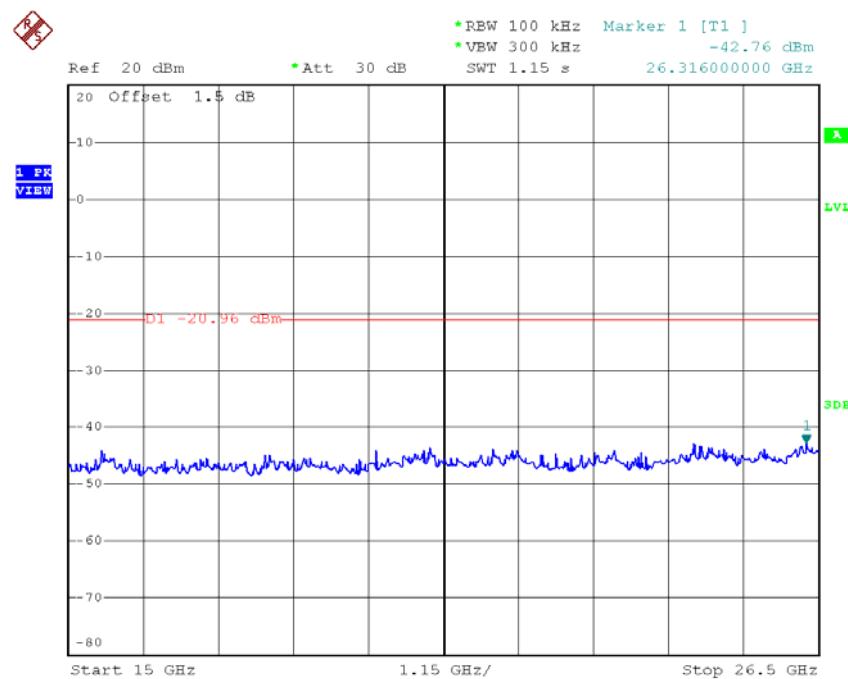
## TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 19.JAN.2017 09:45:35



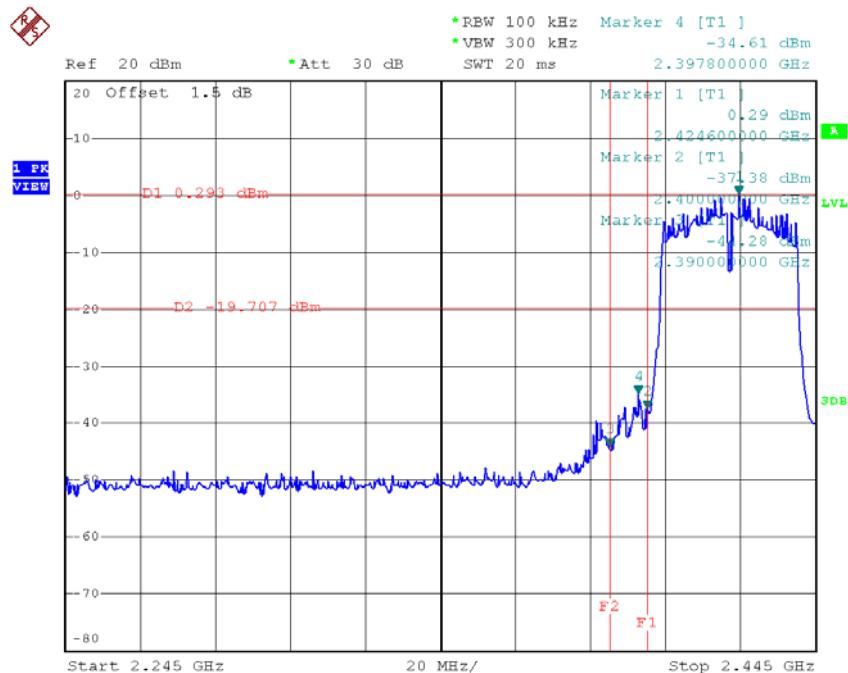
Date: 19.JAN.2017 09:45:43



Date: 19.JAN.2017 09:45:51

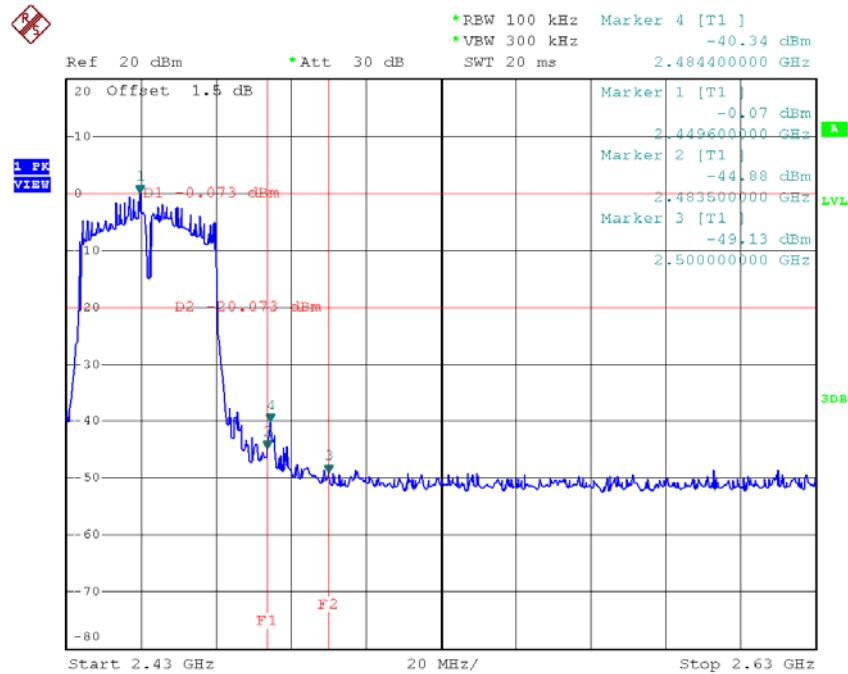
**Test Mode : TX N-40M Mode\_ANT 2**

### TX HT40 mode CH03



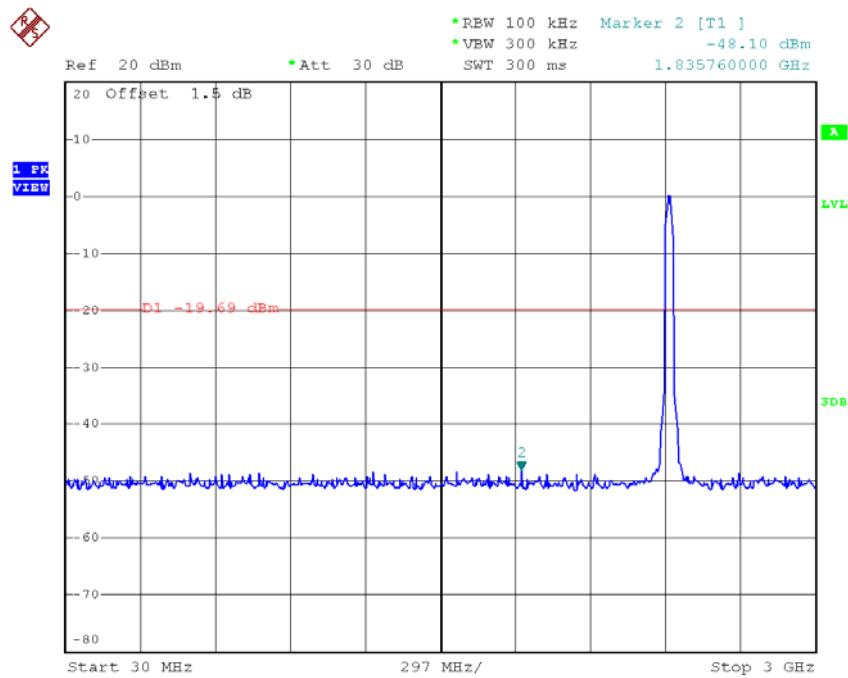
Date: 19.JAN.2017 10:04:12

### TX HT40 mode CH09

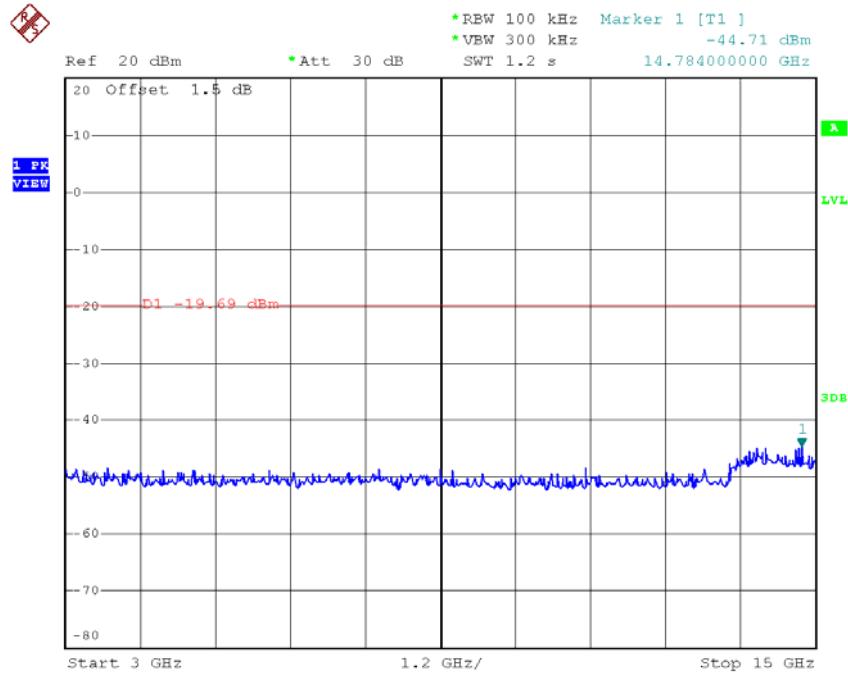


Date: 19.JAN.2017 10:07:04

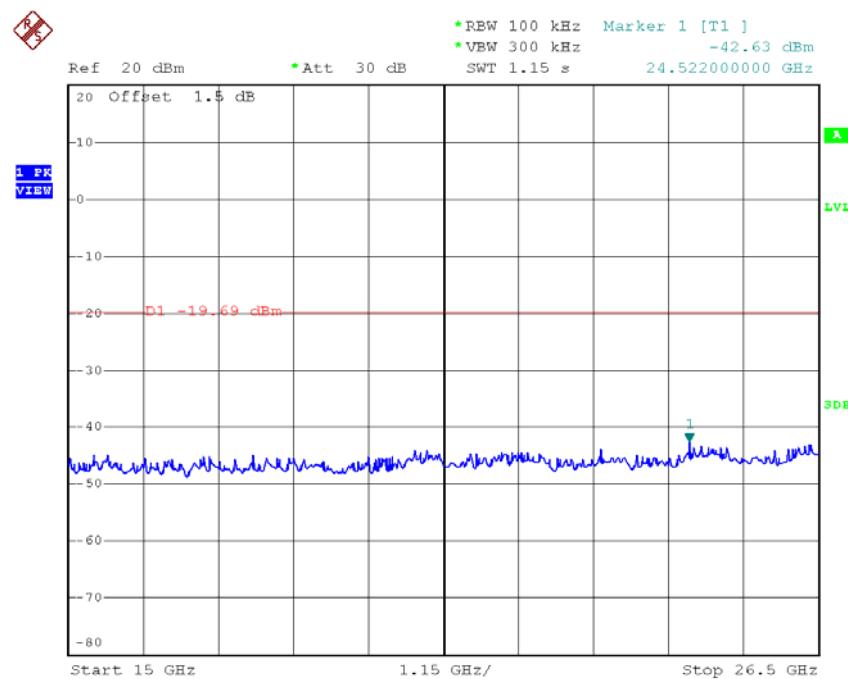
## TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 19.JAN.2017 10:03:48

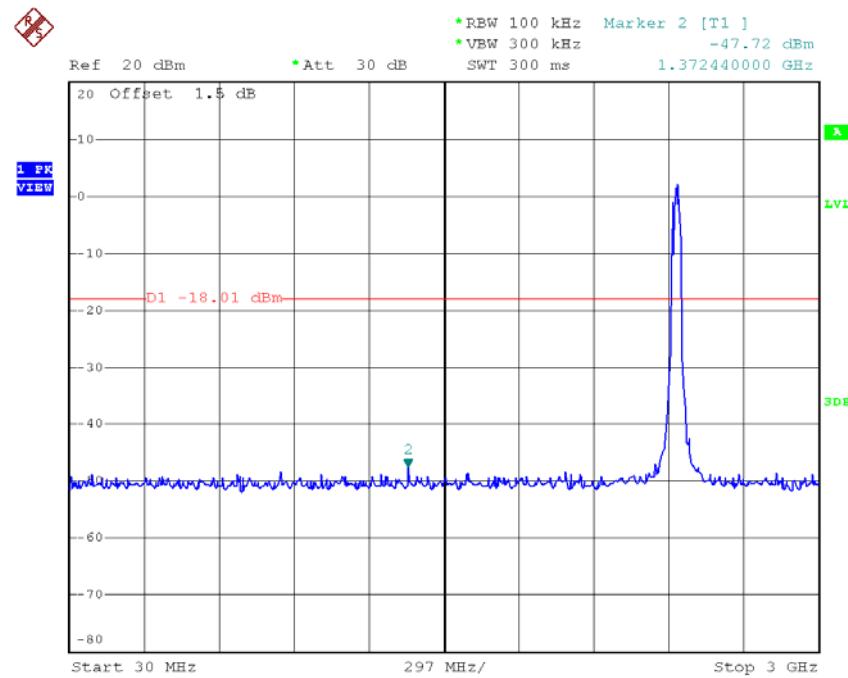


Date: 19.JAN.2017 10:03:56

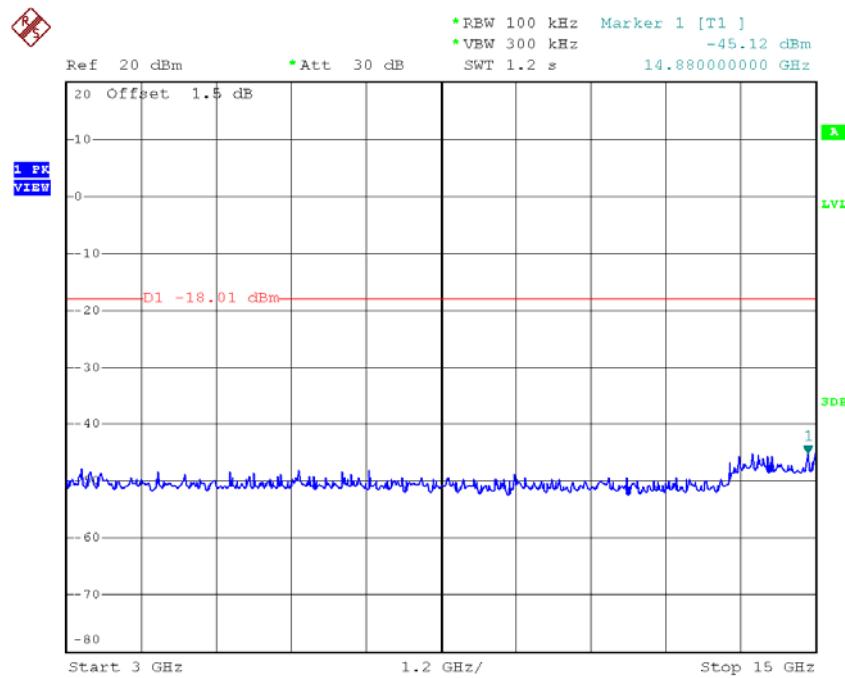


Date: 19.JAN.2017 10:04:04

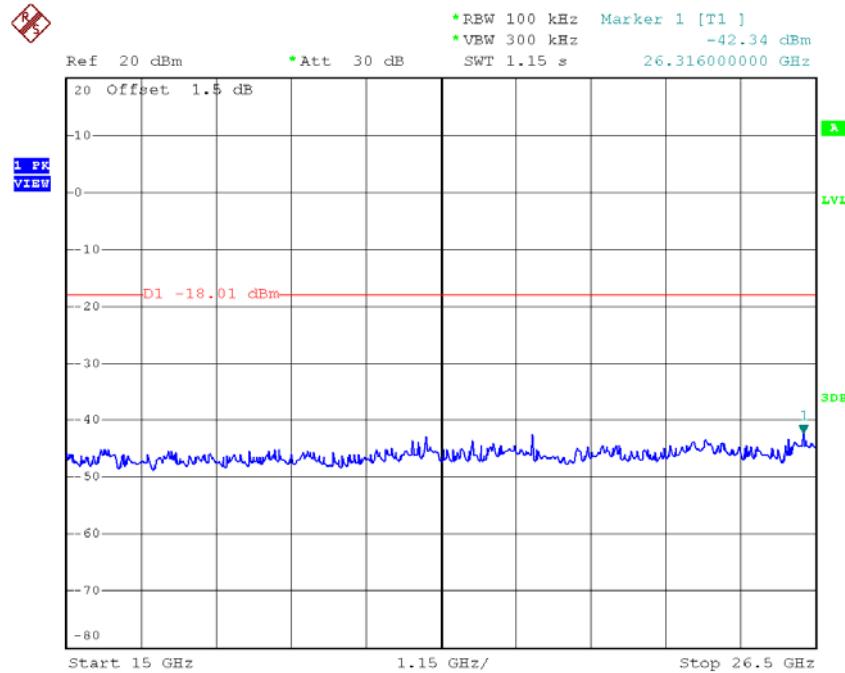
### TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 19.JAN.2017 10:05:15

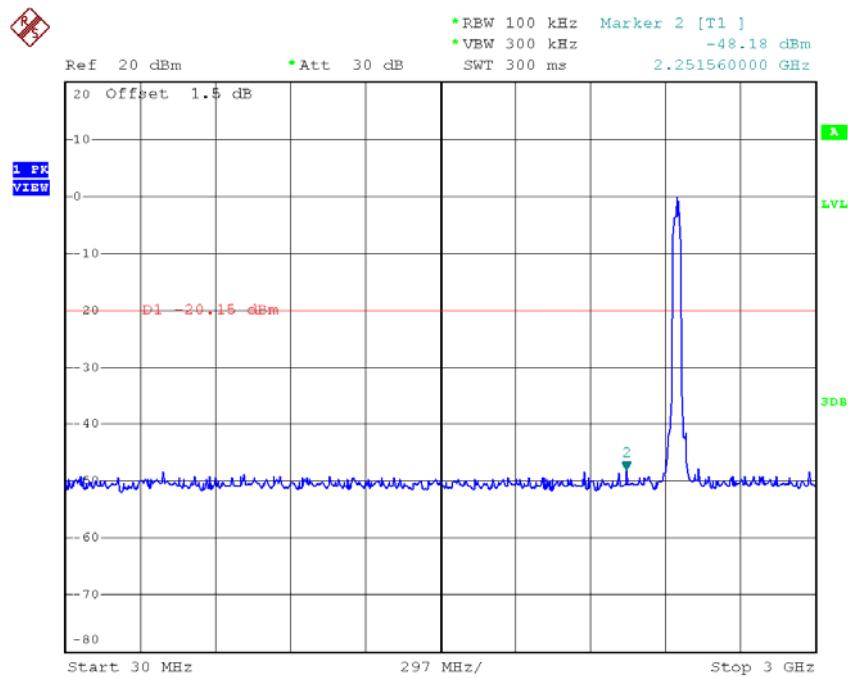


Date: 19.JAN.2017 10:05:24

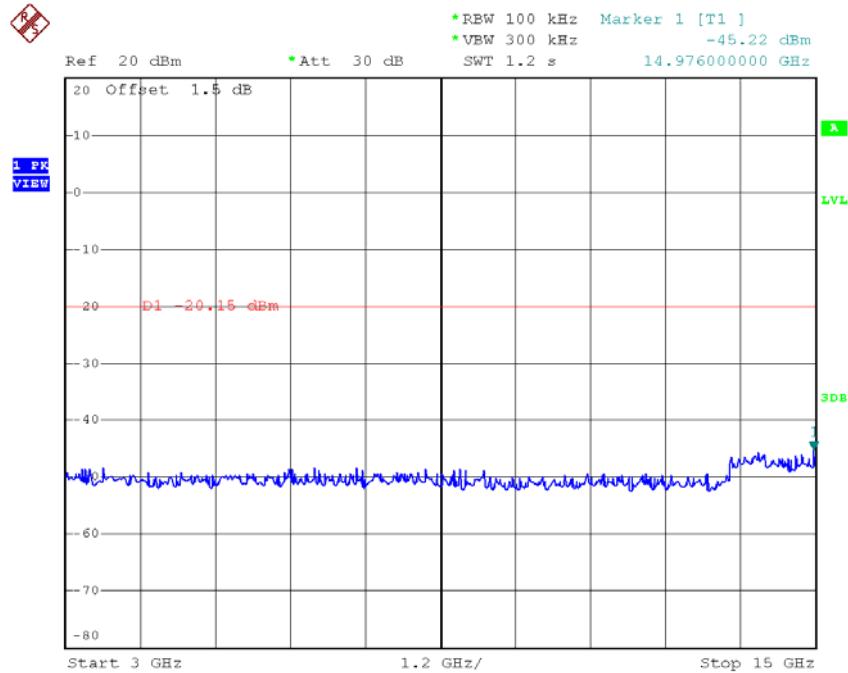


Date: 19.JAN.2017 10:05:32

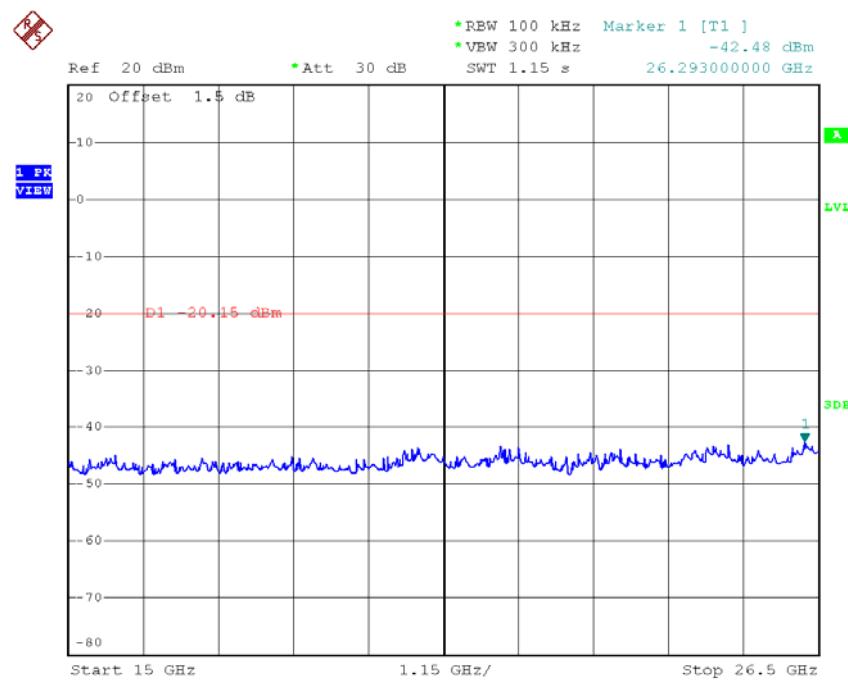
## TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 19.JAN.2017 10:06:40



Date: 19.JAN.2017 10:06:48



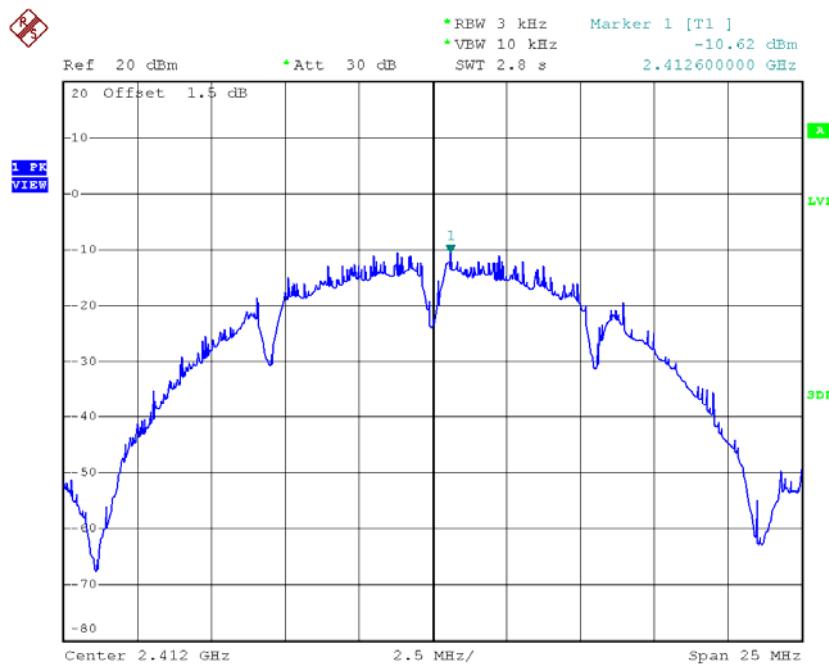
Date: 19.JAN.2017 10:06:57

## ATTACHMENT H - POWER SPECTRAL DENSITY

## Test Mode :TX B Mode\_CH01/06/11\_ANT 1

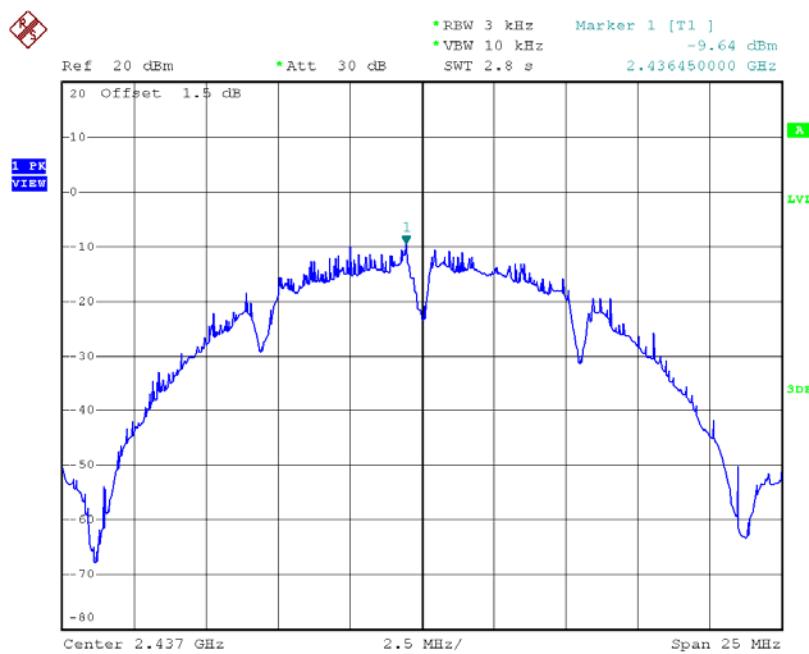
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-10.62	0.0867	8.00	Complies
2437	-9.64	0.1086	8.00	Complies
2462	-9.65	0.1084	8.00	Complies

## TX CH01



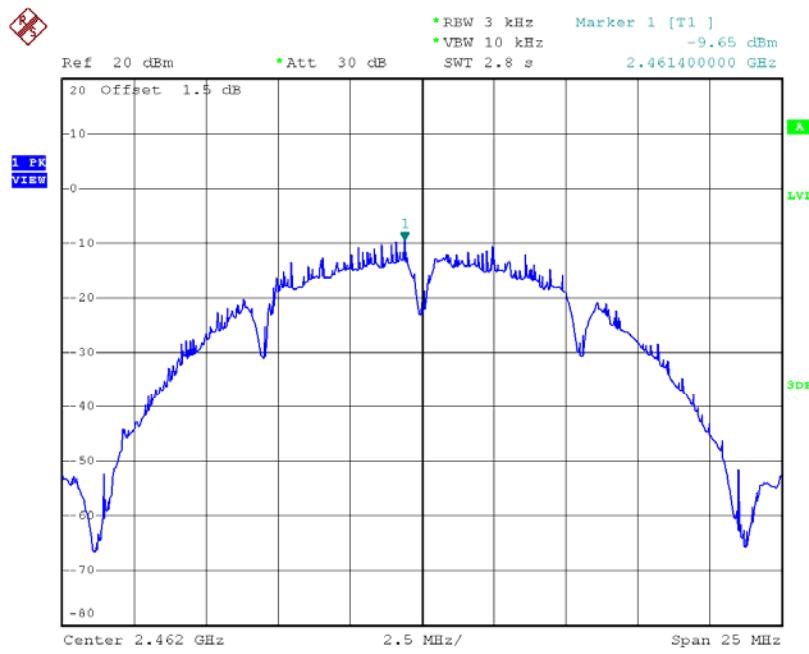
Date: 19.JAN.2017 09:16:28

## TX CH06



Date: 19.JAN.2017 09:22:08

## TX CH11

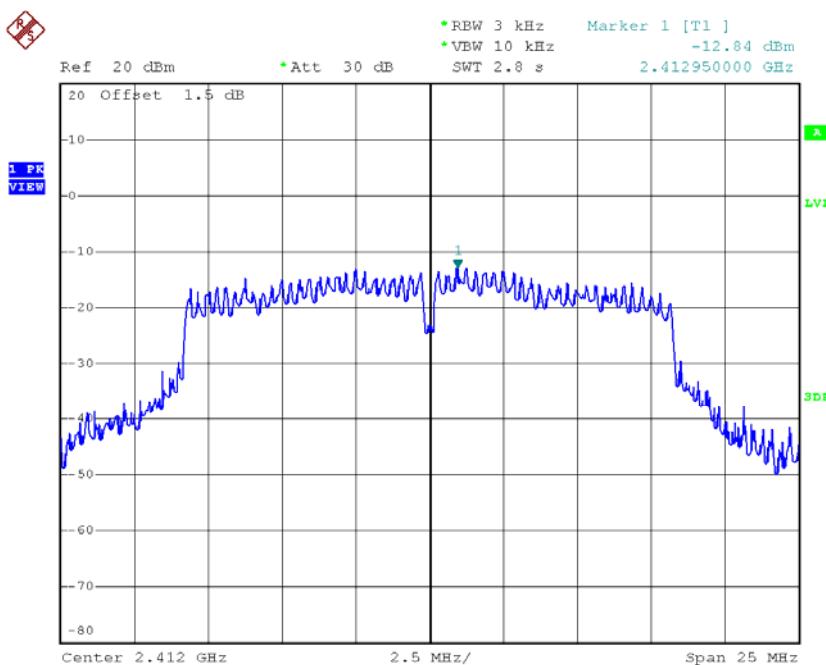


Date: 19.JAN.2017 09:23:43

## Test Mode :TX G Mode\_CH01/06/11\_ANT 1

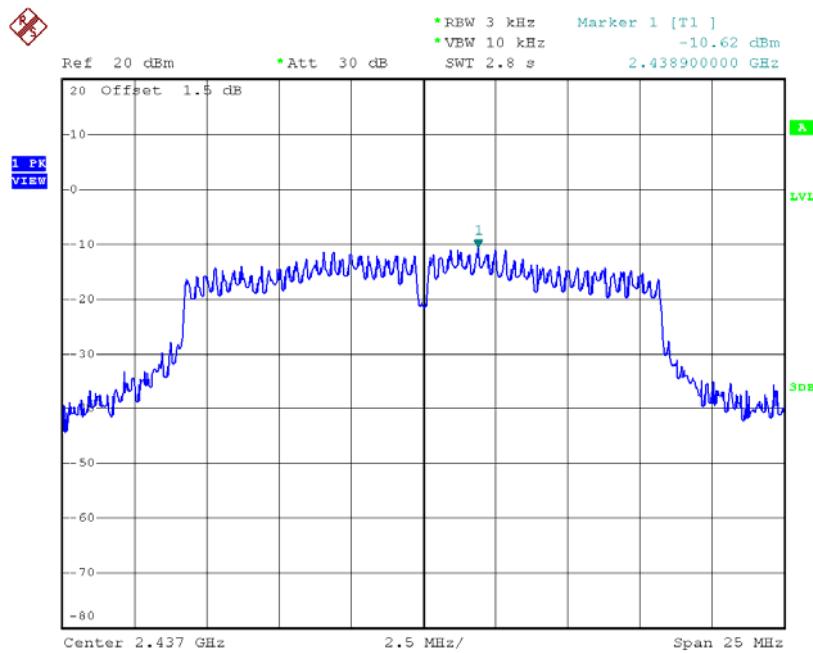
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.84	0.0520	8.00	Complies
2437	-10.62	0.0867	8.00	Complies
2462	-13.56	0.0441	8.00	Complies

## TX CH01



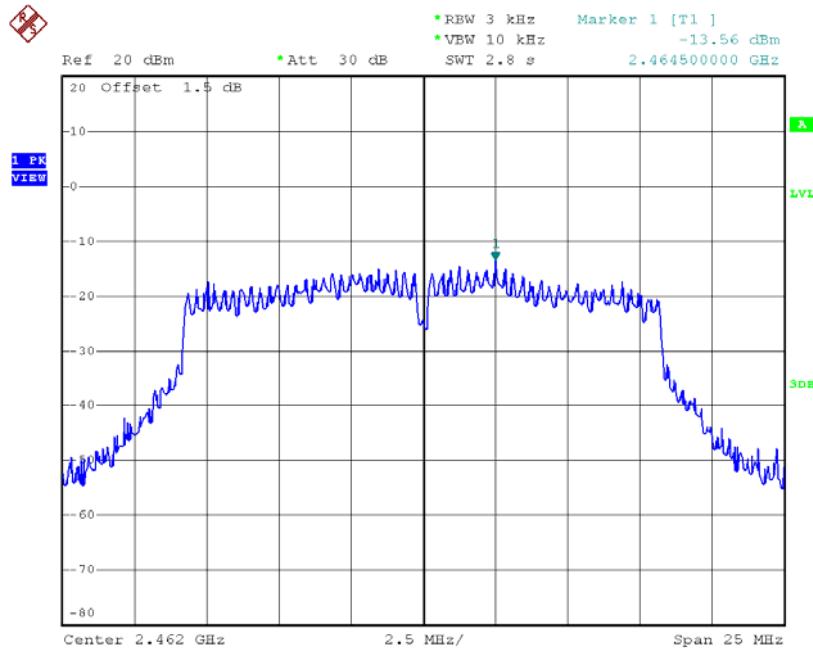
Date: 19.JAN.2017 09:27:09

## TX CH06



Date: 19.JAN.2017 09:30:31

## TX CH11

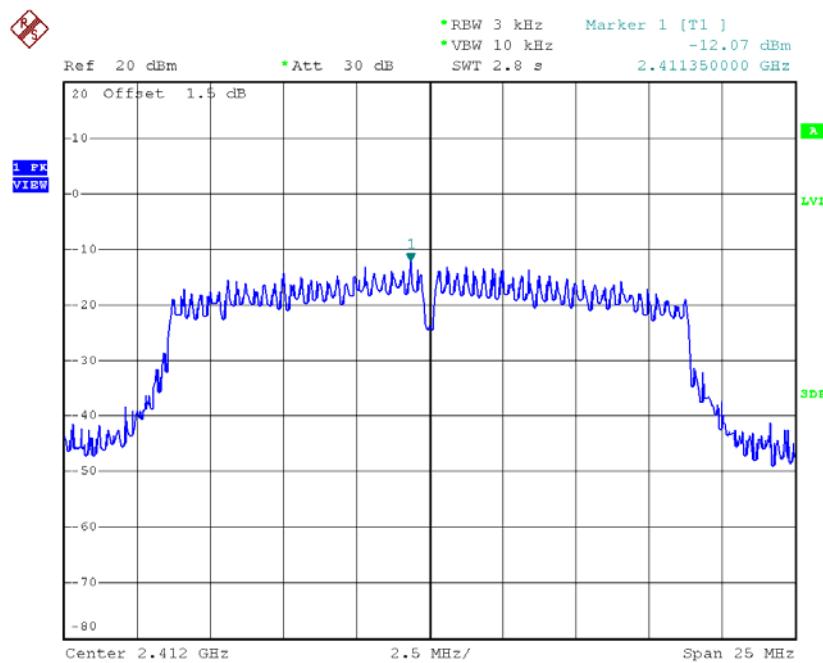


Date: 19.JAN.2017 09:32:50

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

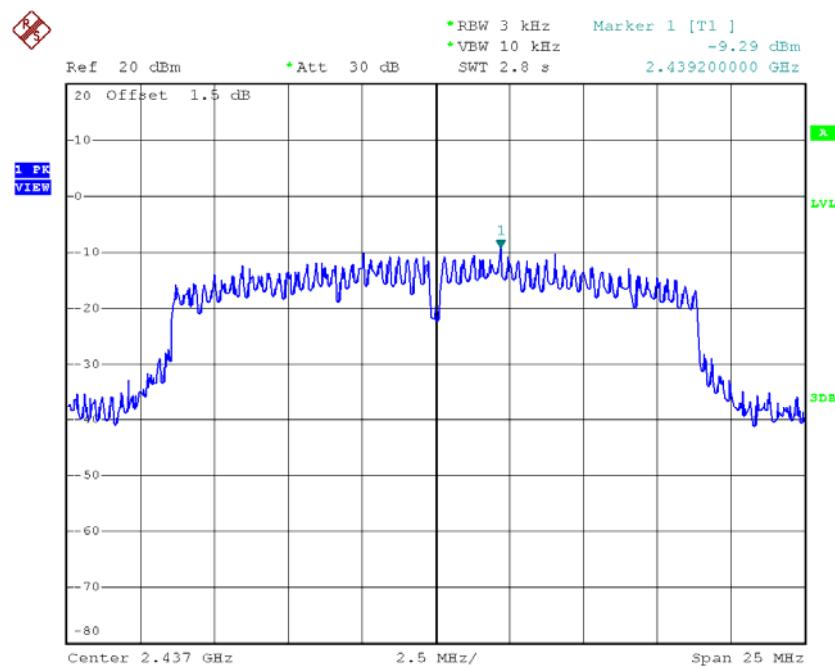
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.07	0.0621	8.00	Complies
2437	-9.29	0.1178	8.00	Complies
2462	-14.06	0.0393	8.00	Complies

## TX CH01



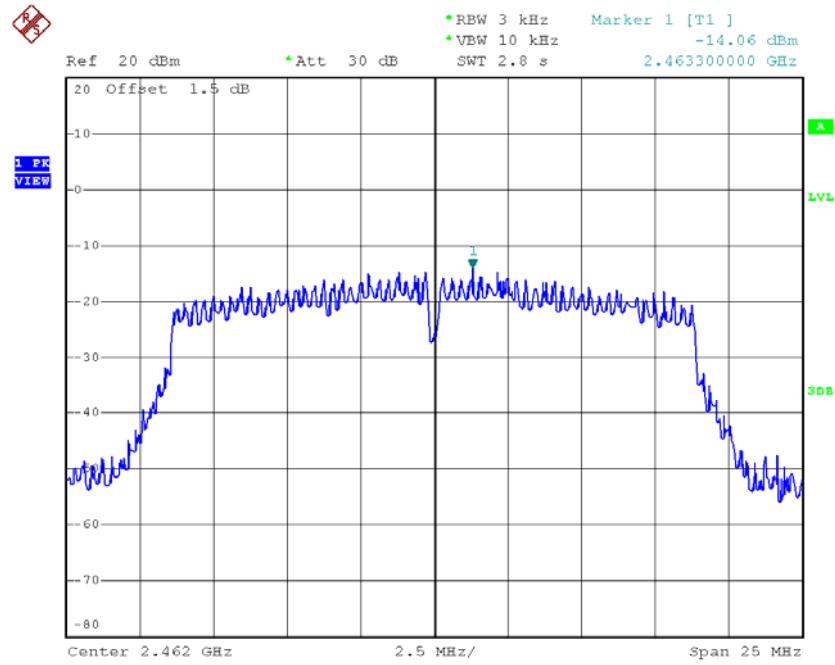
Date: 19.JAN.2017 09:37:37

## TX CH06



Date: 19.JAN.2017 09:39:33

## TX CH11

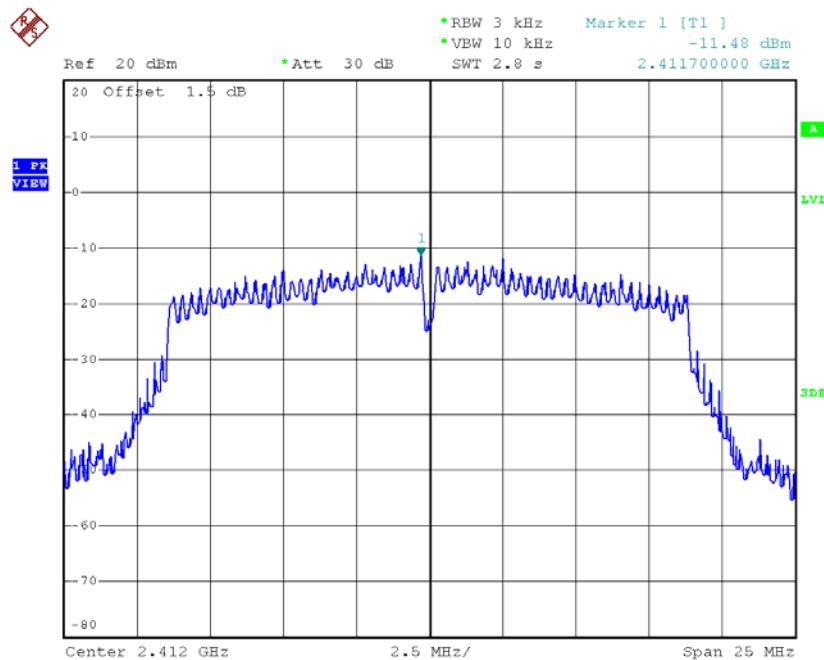


Date: 19.JAN.2017 09:40:56

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

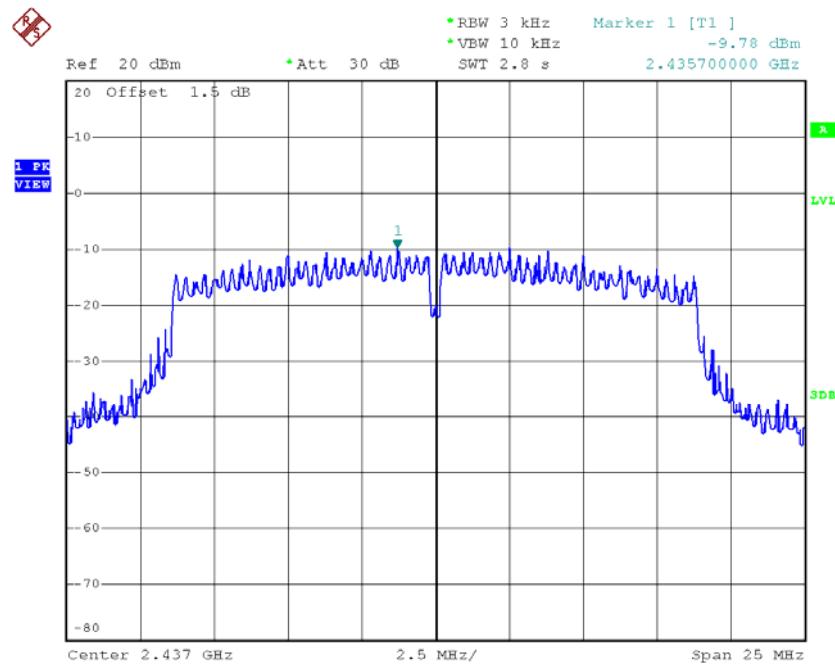
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.48	0.0711	8.00	Complies
2437	-9.78	0.1052	8.00	Complies
2462	-14.04	0.0394	8.00	Complies

## TX CH01



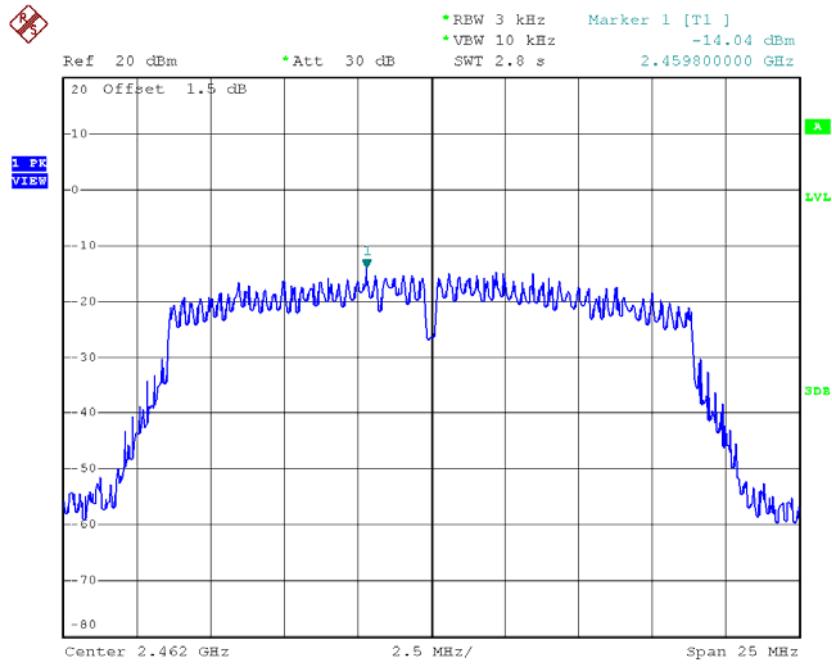
Date: 19.JAN.2017 09:51:16

## TX CH06



Date: 19.JAN.2017 09:54:31

## TX CH11



Date: 19.JAN.2017 09:56:09

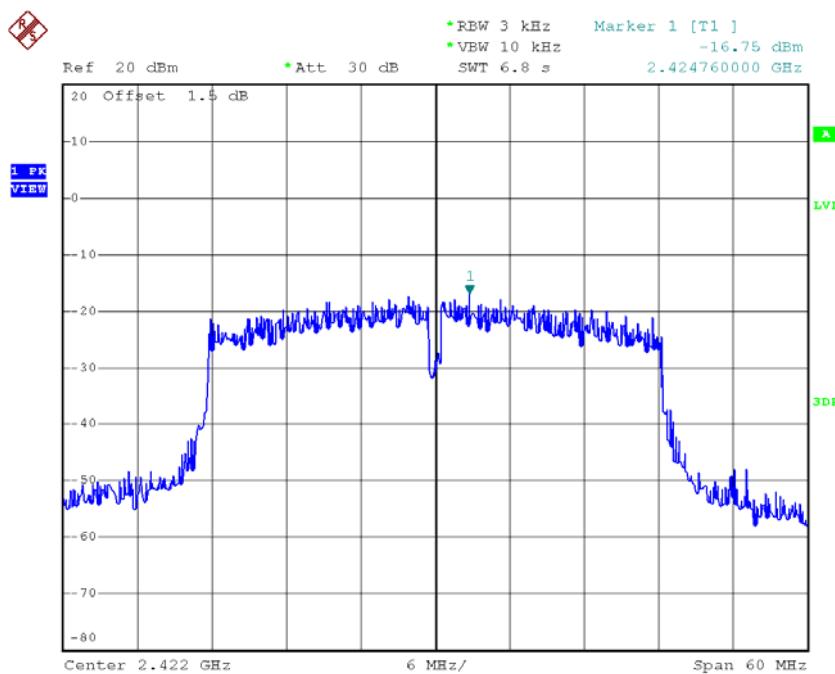
**Test Mode : TX N-20M Mode\_CH01/06/11\_Total**

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-8.86	0.1300	8.00	Complies
2437	-6.38	0.2300	8.00	Complies
2462	-10.97	0.0800	8.00	Complies

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

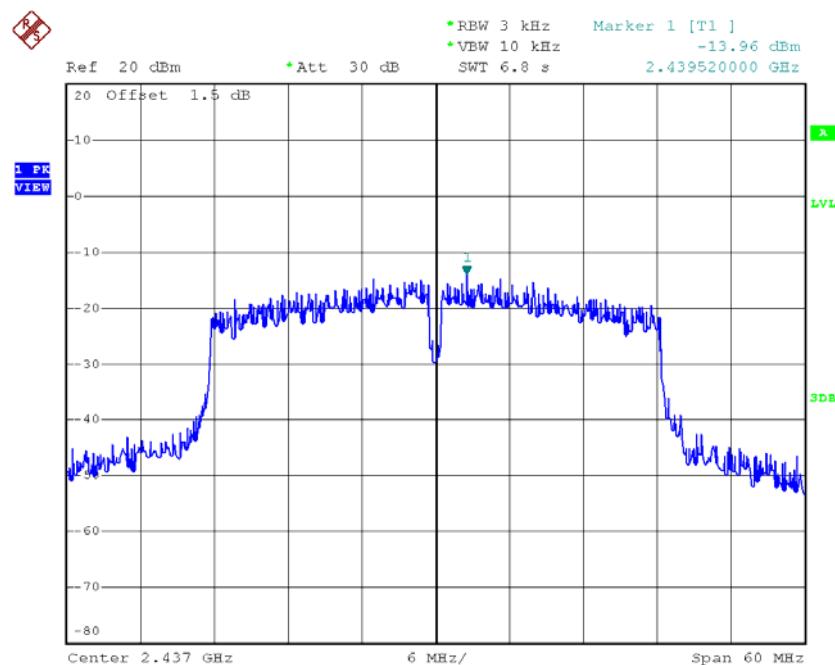
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-16.75	0.0211	8.00	Complies
2437	-13.96	0.0402	8.00	Complies
2452	-17.03	0.0198	8.00	Complies

## TX CH03



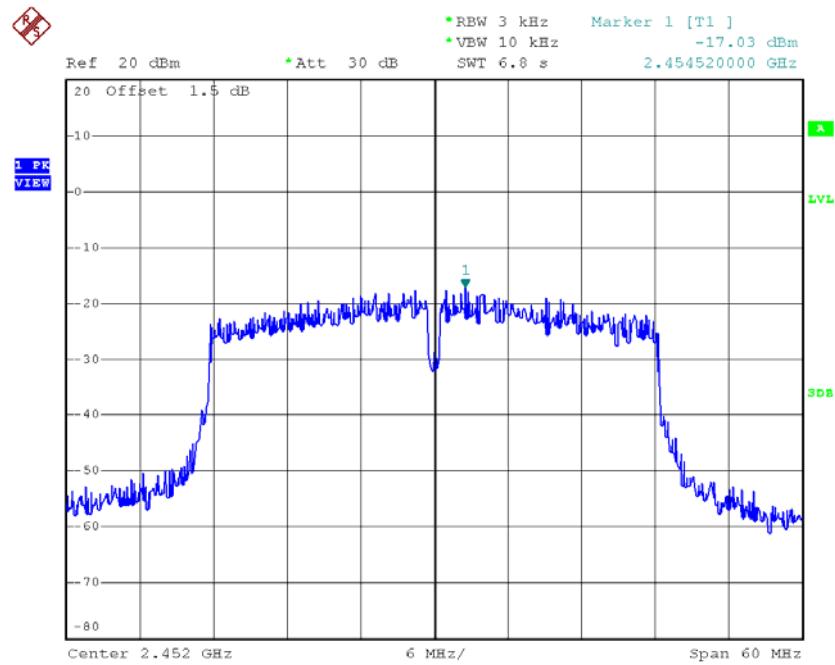
Date: 19.JAN.2017 09:42:45

## TX CH06



Date: 19.JAN.2017 09:44:24

## TX CH09

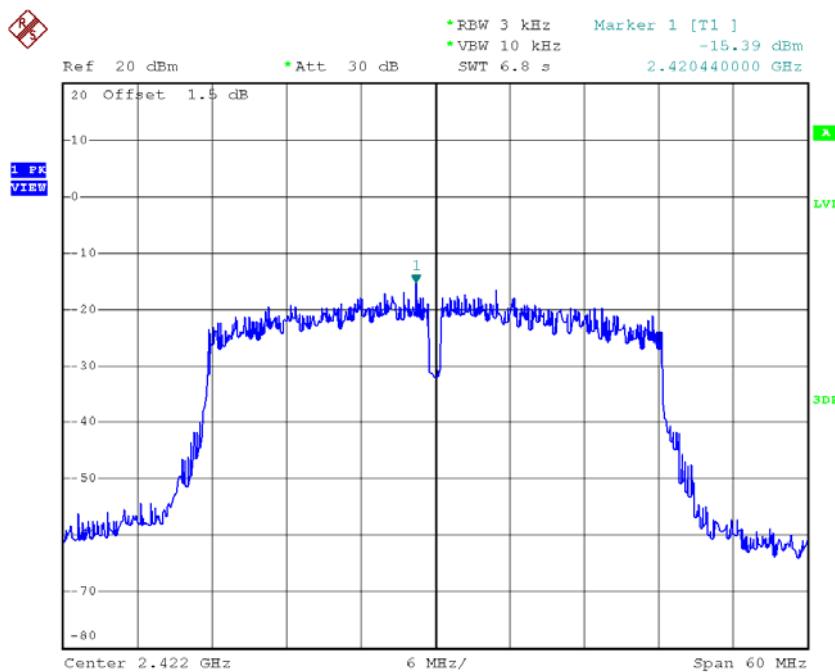


Date: 19.JAN.2017 09:46:11

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

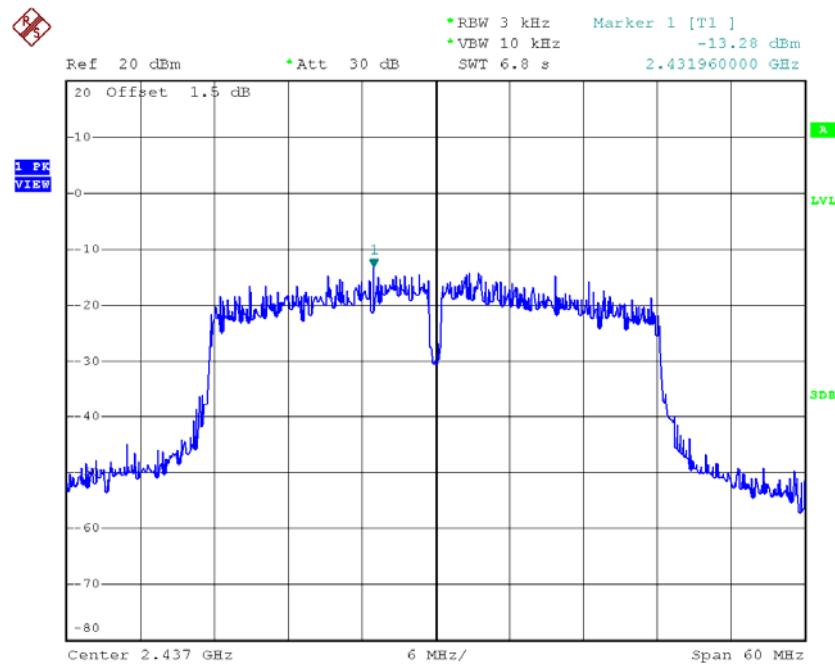
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-15.39	0.0289	8.00	Complies
2437	-13.28	0.0470	8.00	Complies
2452	-16.57	0.0220	8.00	Complies

## TX CH03



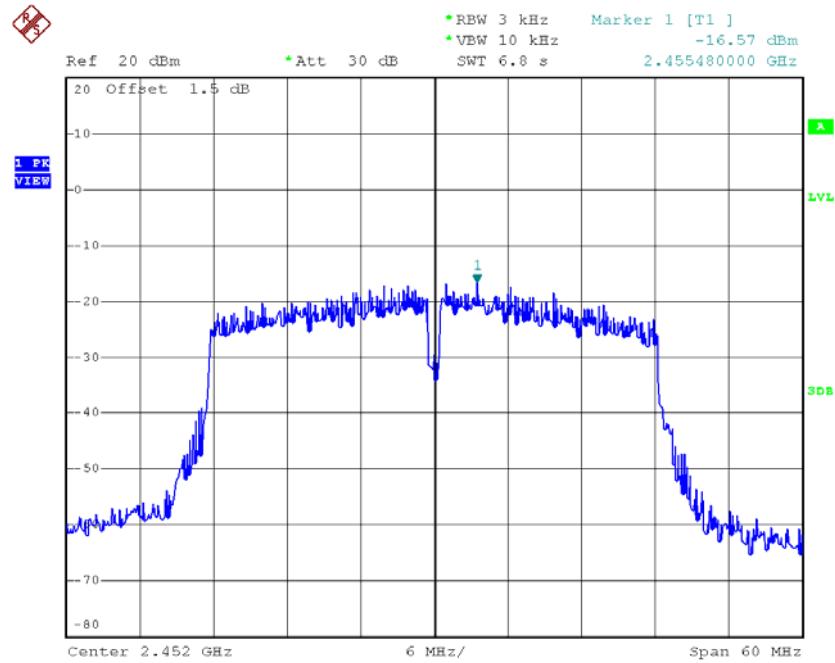
Date: 19.JAN.2017 10:04:24

## TX CH06



Date: 19.JAN.2017 10:05:44

## TX CH09



Date: 19.JAN.2017 10:07:17

**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	-13.01	0.0500	8.00	Complies
2437	-10.46	0.0900	8.00	Complies
2452	-13.98	0.0400	8.00	Complies