

# FCC Radio Test Report

## FCC ID: 2AJCX-BOSS

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

**Project No.** : 1605209  
**Equipment** : Computer  
**Model Name** : boss, bossXXXXXXXXXXXXXXXXXX, (where "X" may be any alphanumeric character, "-" or blank for marketing purpose and no impact safety related critical components and constructions)  
**Applicant** : Carel Industries s.p.a.  
**Address** : Via dell Industria 11 35020 Brugine (PD) Italy

**Date of Receipt** : May 27, 2016  
**Date of Test** : May 27, 2016 ~ Jul. 21, 2016  
**Issued Date** : Jul. 22, 2016  
**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-1-1605209	Original Issue.	Jul. 22, 2016

## 1. CERTIFICATION

Equipment : Computer  
Brand Name : CAREL  
Model Name : boss, bossXXXXXXXXXXXXXXXX, (where "X" may be any alphanumeric character, "-" or blank for marketing purpose and no impact safety related critical components and constructions)  
Applicant : Carel Industries s.p.a.  
Manufacturer : Carel Industries s.p.a.  
Address : Via dell Industria 11 35020 Brugine (PD) Italy  
Date of Test : May 27, 2016 ~ Jul. 21, 2016  
Test Sample : Engineering Sample  
Standard(s) : FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1605209) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

**Test result included in this report is only for the WIFI 2.4GHz part.**

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C			
Standard(s) Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	
15.209/15.205	Transmitter Radiated Emissions	PASS	

### NOTE:

(1) "N/A" denotes test is not applicable in this test report.

## 2.1 TEST FACILITY

### Conducted emission Test:

**C05:** (VCCI RN: C-4742; FCC RN:949005; FCC DN:TW1082)  
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

### Radiated emission Test (Below 1 GHz):

**CB11:** (VCCI RN: R-4260; FCC RN:949005; FCC DN:TW1082; IC Assigned Code:20088)  
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

### Radiated emission Test (Above 1 GHz):

**CB11:** (VCCI RN: G-868; FCC RN:949005; FCC DN:TW1082; IC Assigned Code:20088)  
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

## 2.2 MEASUREMENT UNCERTAINTY

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

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

### A. Conducted emission test:

Test Site	Method	Measurement Frequency Range	U, (dB)
C05	CISPR	150 kHz ~ 30MHz	2.04

### B. Radiated emission test:

Test Site	Method	Measurement Frequency Range	U, (dB)
CB11 (3m)	CISPR	9kHz ~ 150kHz	4.00
		150kHz ~ 30MHz	4.00

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
CB11 (3m)	CISPR	30 MHz ~ 200 MHz	V	3.06
		30 MHz ~ 200 MHz	H	2.58
		200 MHz ~ 1, 000 MHz	V	3.50
		200 MHz ~ 1, 000 MHz	H	3.10

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
CB11 (3m)	CISPR	1GHz ~ 6GHz	V	4.14
		1GHz ~ 6GHz	H	4.14

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
CB11 (1m)	CISPR	6GHz ~ 18GHz	V	5.34
		6GHz ~ 18GHz	H	5.34

Test Site	Method	Measurement Frequency Range	U, (dB)
CB11 (1m)	CISPR	18 ~ 26.5 GHz	4.66
		26.5 ~ 40 GHz	4.74

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	Computer	
Brand Name	CAREL	
Model Name	boss, bossXXXXXXXXXXXXXXXXXX, (where "X" may be any alphanumeric character, "-" or blank for marketing purpose and no impact safety related critical components and constructions)	
Model Difference	For marketing name.	
Power Source	DC Voltage supplied from AC/DC Adapter. Brand / Model: FSP/ FSP060-DIBAN2	
Power Rating	EUT I/P: 12VDC --- 2.8A	
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: 21.08dBm 802.11g: 25.92dBm 802.11n(20MHz): 25.50dBm 802.11n(40MHz): 24.75dBm

Note:

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

## 2. Channel List:

CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz) CH03 – CH11 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	Invax	R-AN2450-5701RS	Dipole	R-SMA	1.74
2	Invax	R-AN2450-5701RS	Dipole	R-SMA	1.74

### Note:

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

## 4.

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

### 3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09
Mode 5	TX MODE

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

For Conducted Test	
Final Test Mode	Description
Mode 5	TX MODE

For Radiated Test	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09

Note:

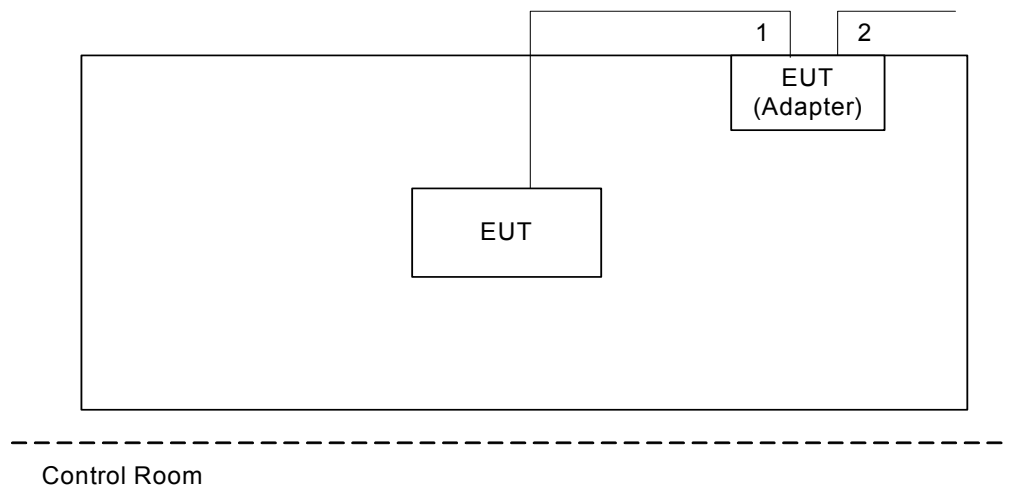
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)  
802.11g mode: OFDM (6Mbps)  
802.11n HT20 mode : BPSK (13Mbps)  
802.11n HT40 mode : BPSK (27Mbps)  
For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.
- (4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

### 3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN

Test software version	ART2_Gul		
Frequency (MHz)	2412	2437	2462
802.11b	16.5//16.5	16//16	16//16
802.11g	13.5//13.5	17//17	12//12
802.11n (20MHz)	11//11	15.5//15.5	11.5//11.5
Frequency	2422	2437	2452
802.11n (40MHz)	11//11	12.5//12.5	9//9

### 3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



### 3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	YES	1.5m	DC Power Cable
2	NO	YES	1.8m	AC Power Cable

## 4. EMC EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

The following table is the setting of the receiver

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

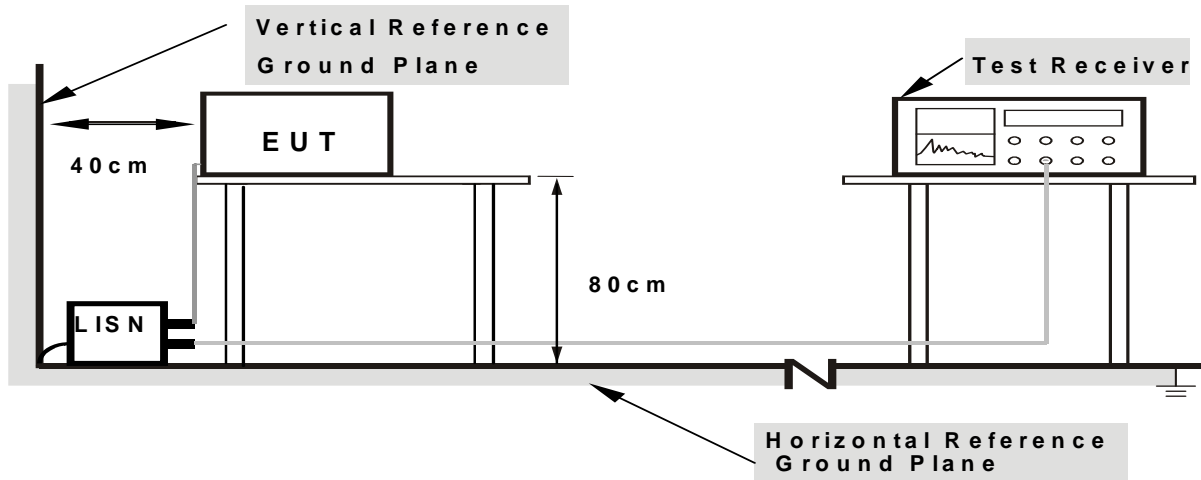
#### 4.1.2 TEST PROCEDURE

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

#### 4.1.3 DEVIATION FROM TEST STANDARD

No deviation

#### 4.1.4 TEST SETUP



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

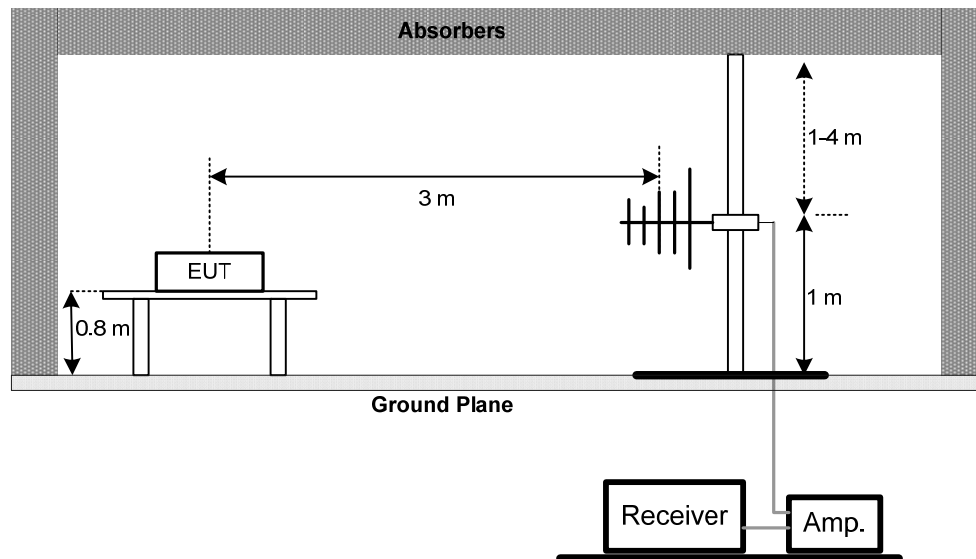
- The measuring distance of at 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance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

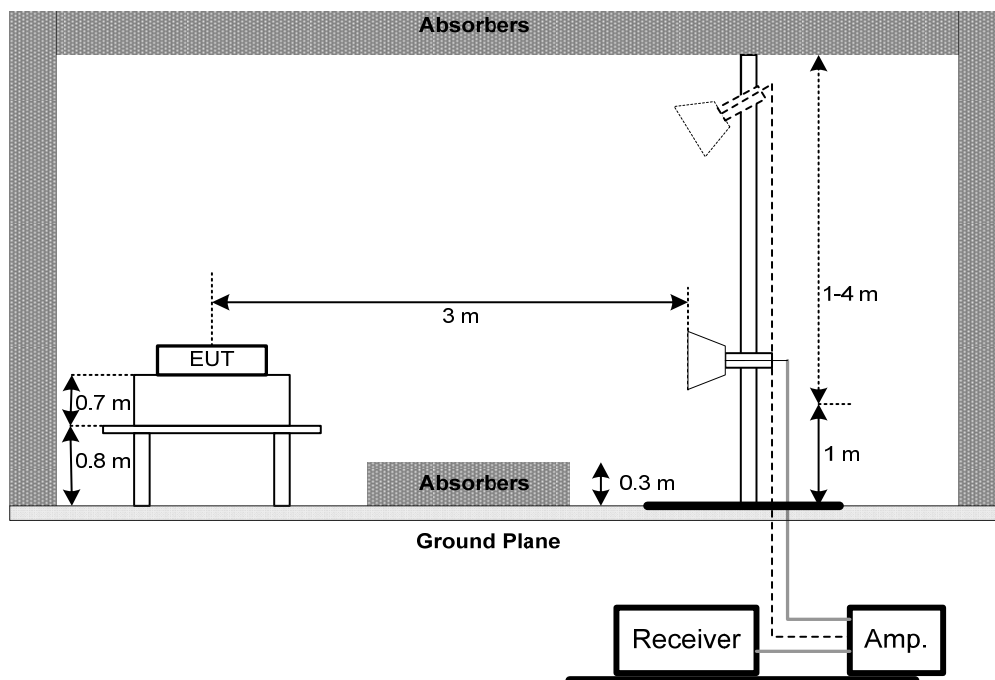
No deviation

#### 4.2.4 TEST SETUP

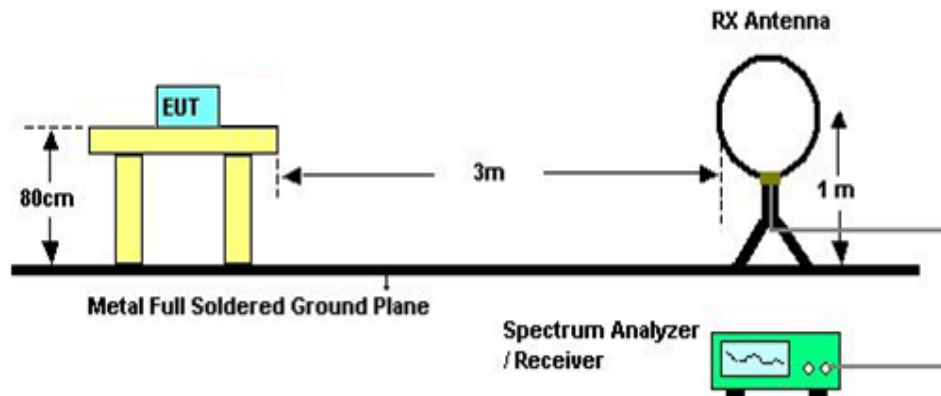
##### (A) Radiated Emission Test Set-Up Frequency Below 1 GHz



##### (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

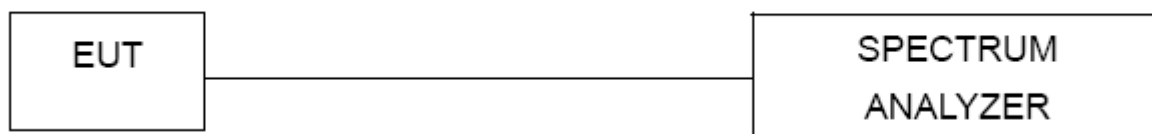
#### 5.1.1 TEST PROCEDURE

- 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

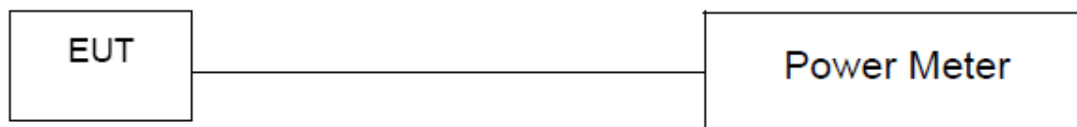
#### 6.1.1 TEST PROCEDURE

- 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 c03r05.

#### 6.1.2 DEVIATION FROM STANDARD

No deviation.

#### 6.1.3 TEST SETUP



#### 6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 6.1.5 EUT TEST CONDITIONS

Temperature: 25°C    Relative Humidity: 55%    Test Voltage: AC 120V/60Hz

#### 6.1.6 TEST RESULTS

Please refer to the Attachment F.

## 7. ANTENNA CONDUCTED SPURIOUS EMISSION

### 7.1 APPLIED PROCEDURES / LIMIT

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

#### 7.1.1 TEST PROCEDURE

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

#### 7.1.2 DEVIATION FROM STANDARD

No deviation.

#### 7.1.3 TEST SETUP



#### 7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 7.1.5 EUT TEST CONDITIONS

Temperature: 25°C    Relative Humidity: 55%    Test Voltage: AC 120V/60Hz

#### 7.1.6 TEST RESULTS

Please refer to the Attachment G.

## 8. POWER SPECTRAL DENSITY TEST

### 8.1 APPLIED PROCEDURES / LIMIT

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

#### 8.1.1 TEST PROCEDURE

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

#### 8.1.2 DEVIATION FROM STANDARD

No deviation.

#### 8.1.3 TEST SETUP



#### 8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 8.1.5 EUT TEST CONDITIONS

Temperature: 25°C    Relative Humidity: 55%    Test Voltage: AC 120V/60Hz

#### 8.1.6 TEST RESULTS

Please refer to the Attachment H.



## 9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TWO-LINE V-NETWORK	R&S	ENV216	101050	Jan. 25, 2017
2	Test Cable	TIMES	CFD300-NL	C05	Jun. 13, 2017
3	EMI Test Receiver	R&S	ESR7	101433	Dec. 09, 2016
4	Measurement Software	Farad	EZ EMC (Version NB-03A)	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB9168-352	9168-352	Feb. 04, 2017
2	Horn Antenna	Schwarzbeck	BBHA 9120	D-546	Nov. 05, 2017
3	Pre-Amplifier	HP	8447D	2944A08891	Mar. 09, 2017
4	Pre-Amplifier	Agilent	8449B	3008A02331	Jan. 24, 2017
5	Test Cable	EMCI	EMC8D-NM-NM-8000	150301	Mar. 09, 2017
6	Test Cable	EMCI	EMC104-SM-S M-2500	150303	Mar. 09, 2017
7	Test Cable	EMCI	EMC104-NM-S M-1000	150304	Mar. 09, 2017
8	Test Cable	EMCI	EMC104-SM-S M-5000	150302	Mar. 29, 2017
9	Test Cable	EMCI	EMC104-SM-S M-800	150305	Mar. 29, 2017
10	EXA Spectrum Analyzer	Agilent	N9010A	MY52220990	Feb. 24, 2017
11	EMI Test Receiver	Agilent	N9038A	MY51210215	Jan. 08, 2017

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 18, 2017

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2487A	6K00004714	May 18, 2017
2	Power Meter Sensor	Anritsu	MA2491A	034138	May 18, 2017

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 18, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 18, 2017

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

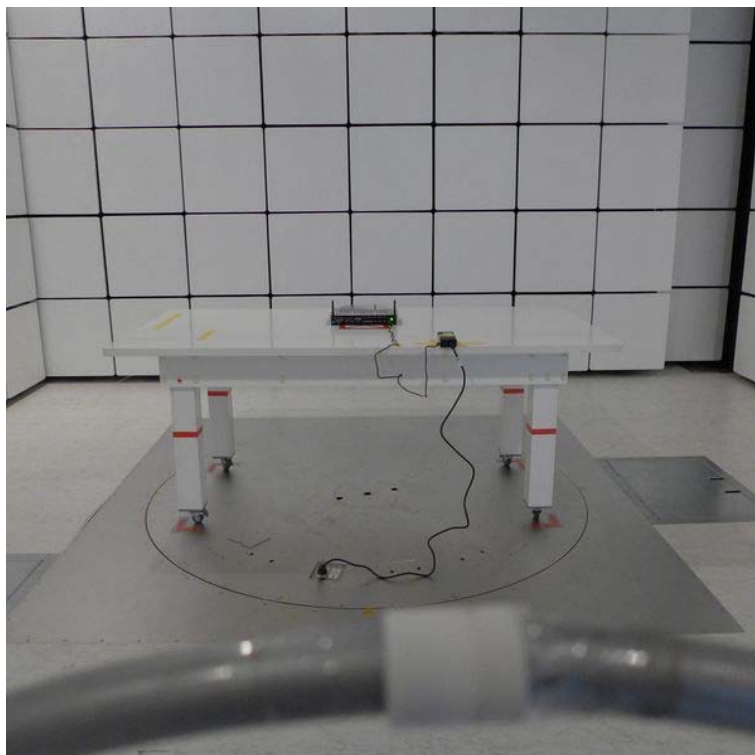
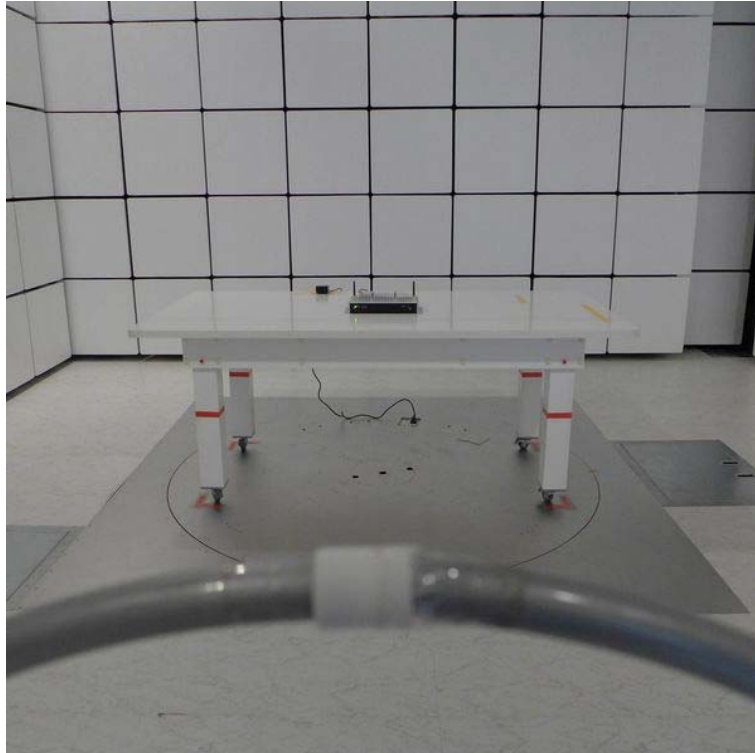
## 10. EUT TEST PHOTO

### Conducted Measurement Photos



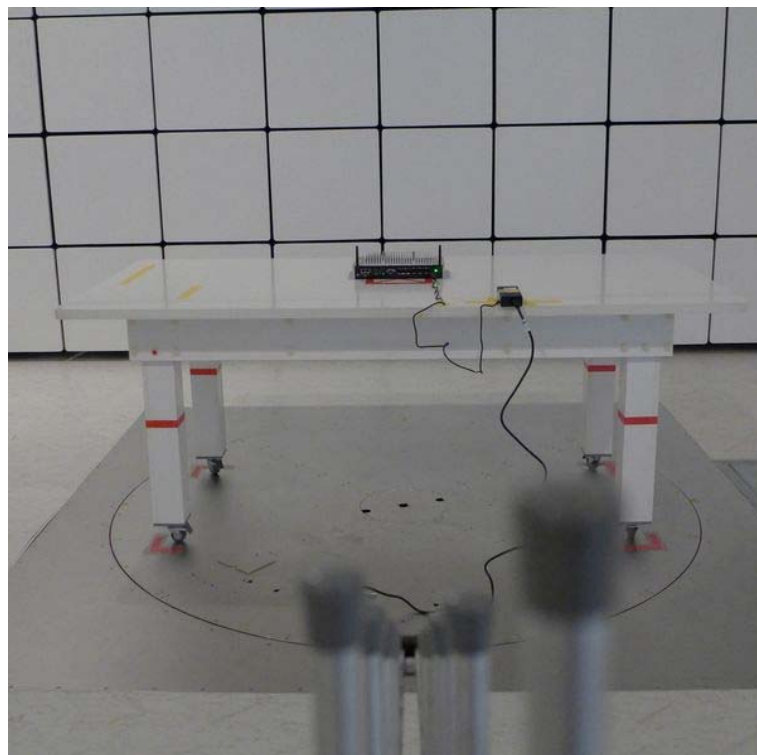
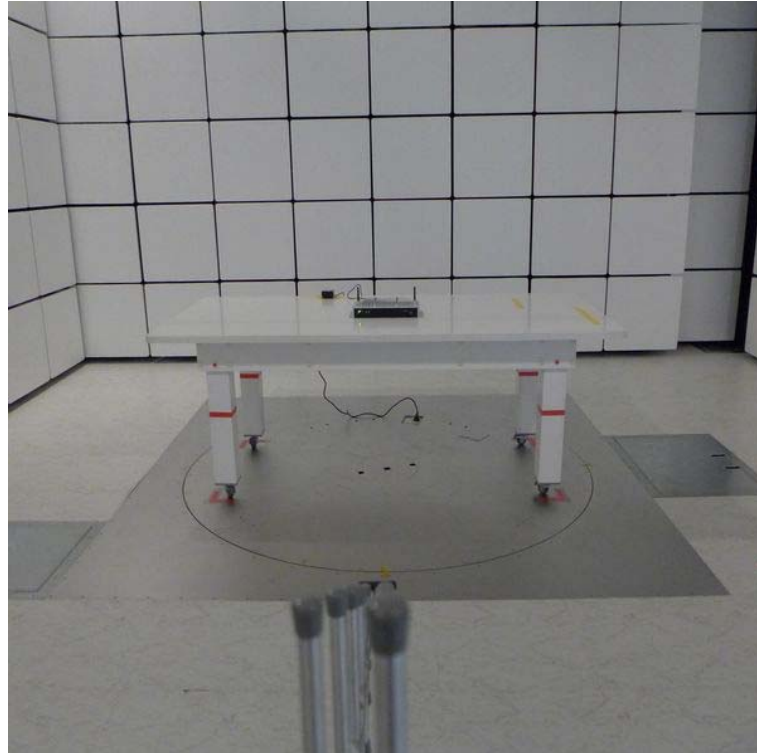
## Radiated Measurement Photos

9KHz to 30MHz



## Radiated Measurement Photos

30MHz to 1000MHz



## Radiated Measurement Photos

### Above 1000MHz

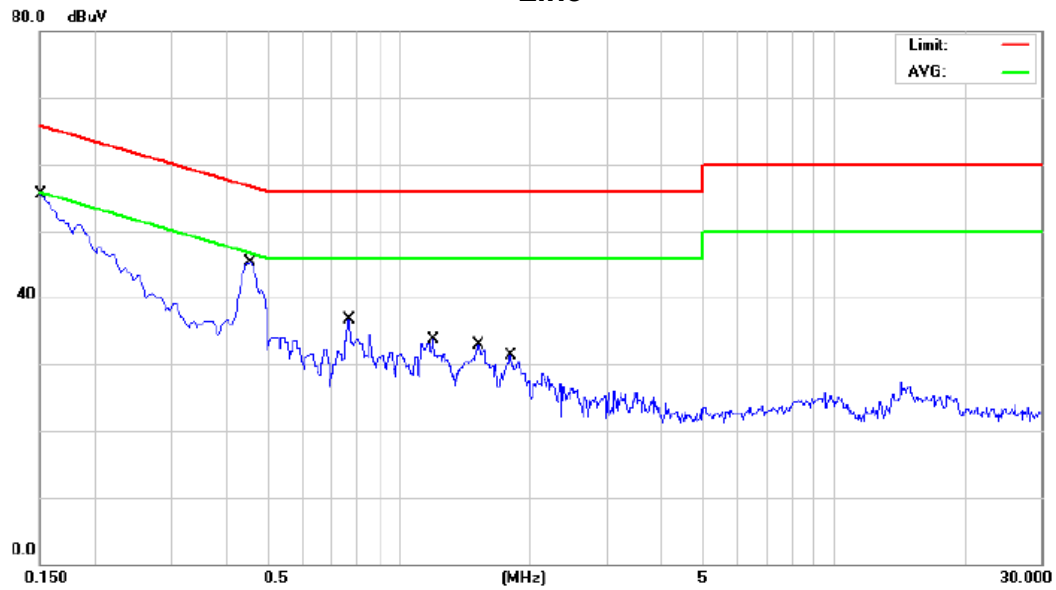




## ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX Mode

# Line

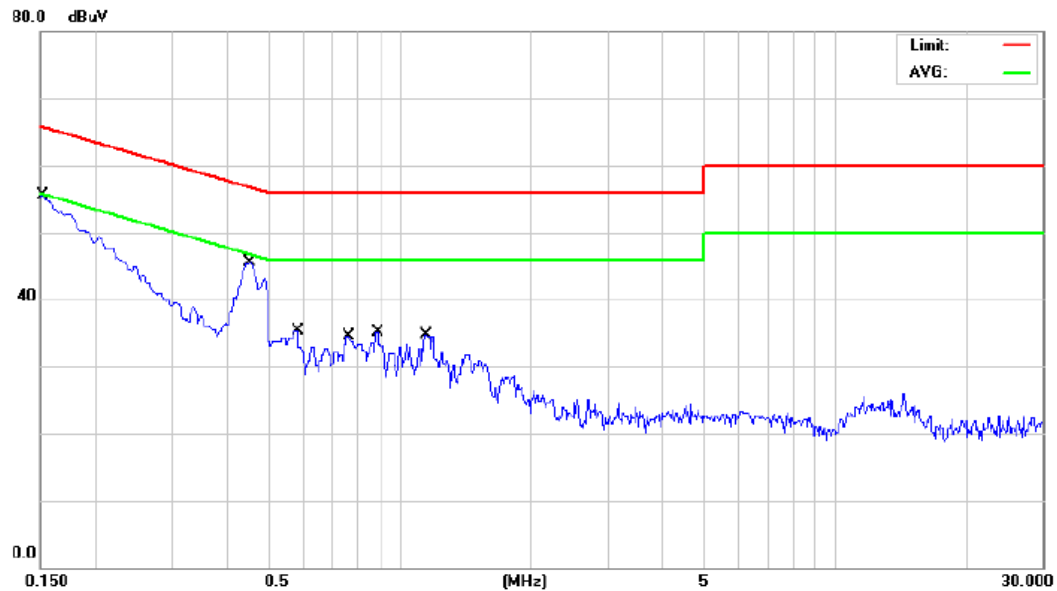


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	40.40	9.66	50.06	65.99	-15.93	QP	
2		0.1500	23.40	9.66	33.06	55.99	-22.93	AVG	
3		0.4552	31.30	9.67	40.97	56.78	-15.81	QP	
4	*	0.4552	23.80	9.67	33.47	46.78	-13.31	AVG	
5		0.7700	19.60	9.67	29.27	56.00	-26.73	QP	
6		0.7700	13.30	9.67	22.97	46.00	-23.03	AVG	
7		1.2020	17.40	9.68	27.08	56.00	-28.92	QP	
8		1.2020	11.40	9.68	21.08	46.00	-24.92	AVG	
9		1.5260	17.80	9.71	27.51	56.00	-28.49	QP	
10		1.5260	13.00	9.71	22.71	46.00	-23.29	AVG	
11		1.8050	15.70	9.72	25.42	56.00	-30.58	QP	
12		1.8050	11.00	9.72	20.72	46.00	-25.28	AVG	



Test Mode : TX Mode

### Neutral

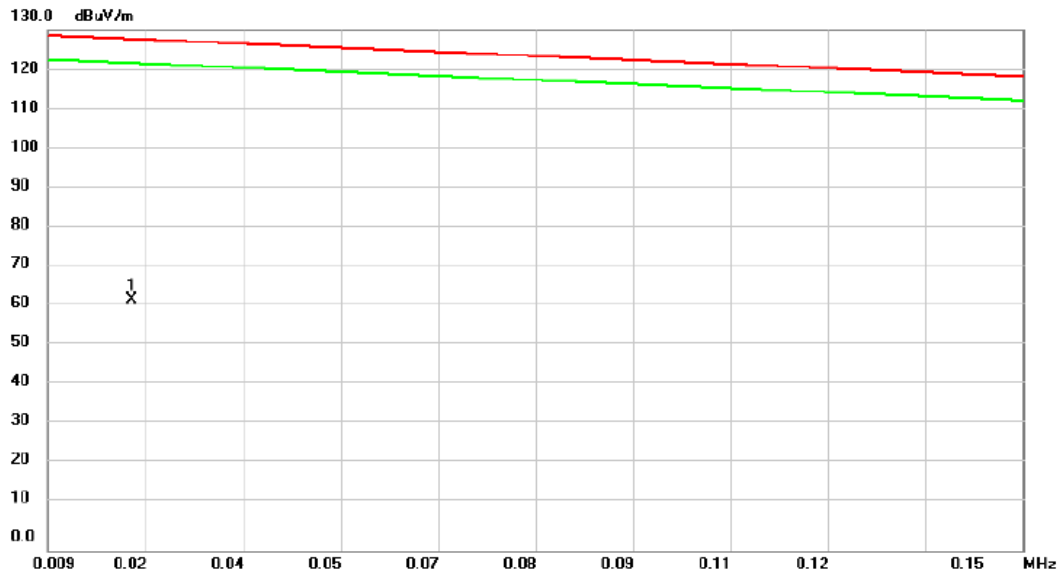


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1514	40.90	9.67	50.57	65.92	-15.35	QP	
2		0.1514	25.30	9.67	34.97	55.92	-20.95	AVG	
3		0.4531	31.90	9.67	41.57	56.82	-15.25	QP	
4	*	0.4531	24.80	9.67	34.47	46.82	-12.35	AVG	
5		0.5810	19.50	9.67	29.17	56.00	-26.83	QP	
6		0.5810	13.30	9.67	22.97	46.00	-23.03	AVG	
7		0.7610	19.20	9.68	28.88	56.00	-27.12	QP	
8		0.7610	12.20	9.68	21.88	46.00	-24.12	AVG	
9		0.8870	19.30	9.68	28.98	56.00	-27.02	QP	
10		0.8870	13.30	9.68	22.98	46.00	-23.02	AVG	
11		1.1480	18.20	9.69	27.89	56.00	-28.11	QP	
12		1.1480	12.40	9.69	22.09	46.00	-23.91	AVG	

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

Test Mode:	TX Mode
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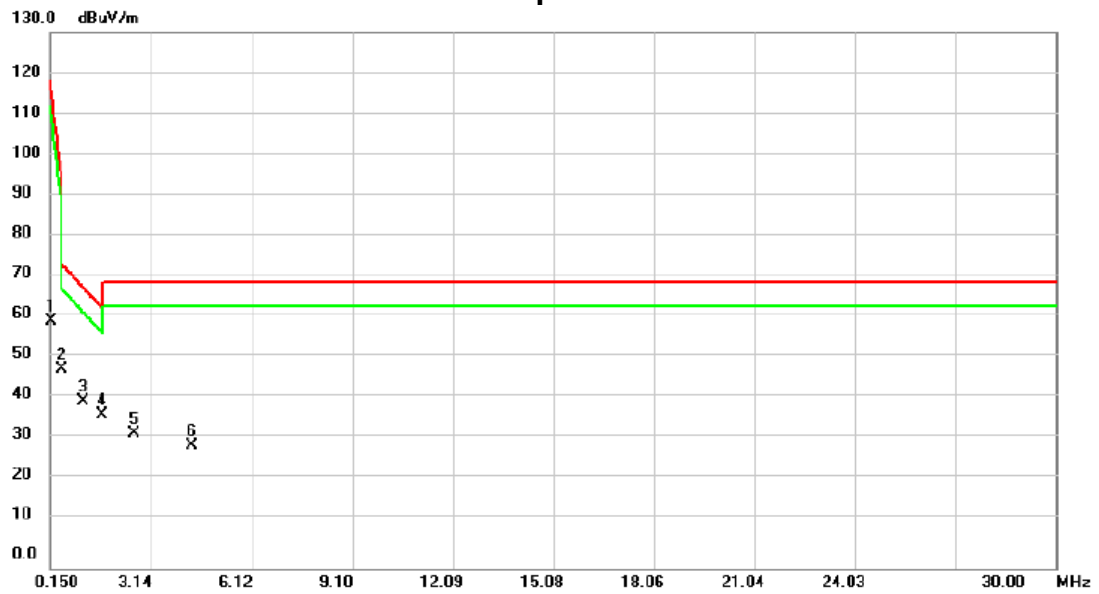
### Open



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0212	45.16	17.42	62.58	127.64	-65.06	peak	

Test Mode: TX Mode

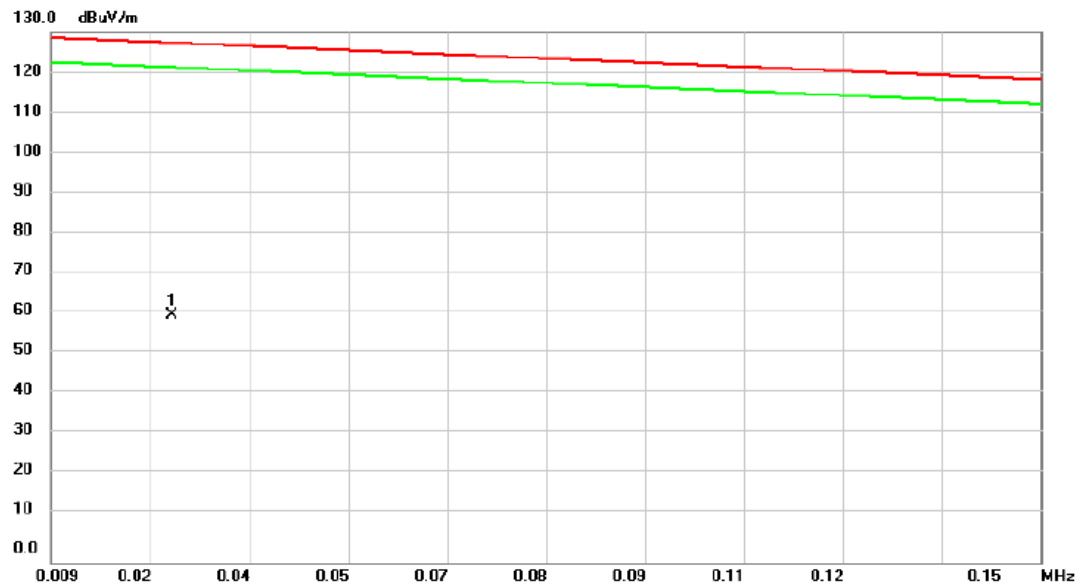
Open



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.1500	47.93	12.03	59.96	118.34	-58.38	peak	
2	*	0.5080	36.55	11.80	48.35	73.64	-25.29	peak	
3		1.1350	28.52	11.94	40.46	68.05	-27.59	peak	
4		1.7020	25.41	11.68	37.09	63.00	-25.91	peak	
5		2.6274	21.29	11.27	32.56	69.54	-36.98	peak	
6		4.3290	18.38	11.30	29.68	69.54	-39.86	peak	

Test Mode: TX Mode

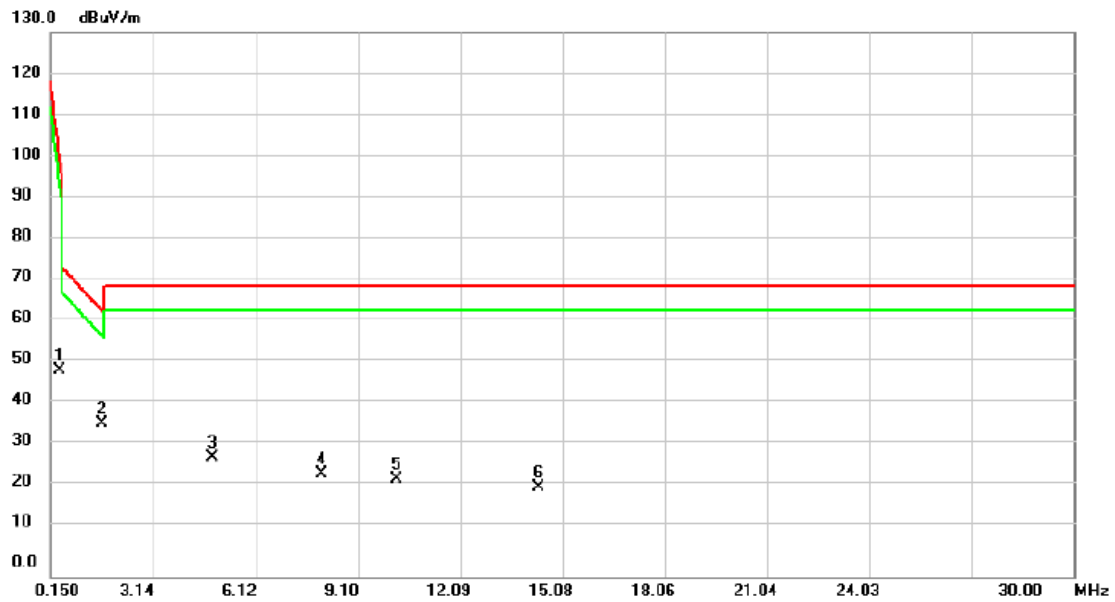
Close



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0262	44.44	16.04	60.48	127.28	-66.80	peak	

Test Mode: TX Mode

Close

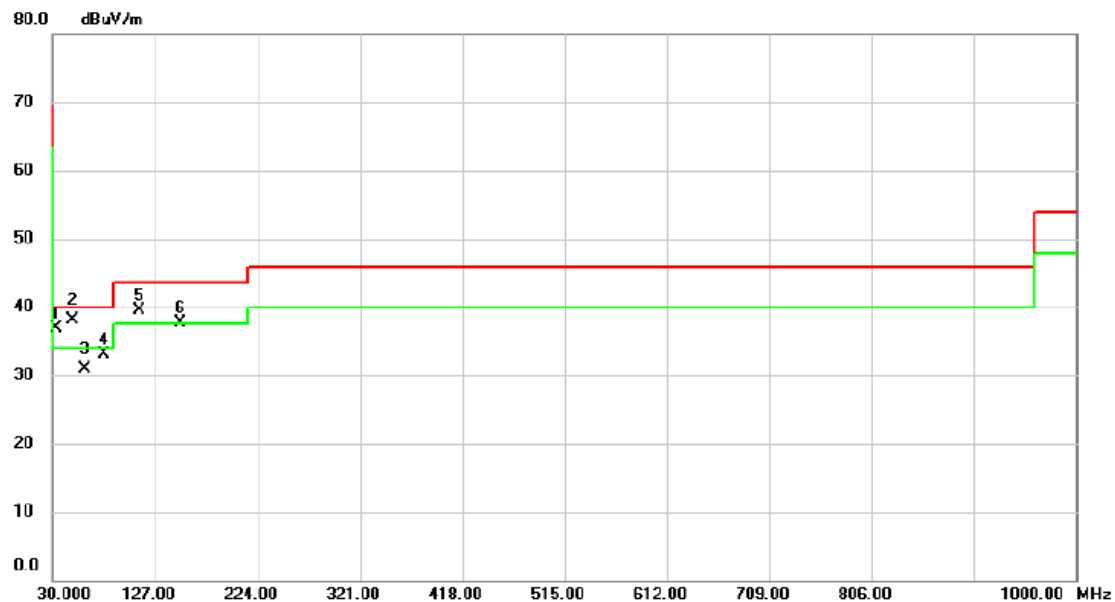


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.4187	37.60	11.80	49.40	98.95	-49.55	peak	
2	*	1.6425	24.87	11.71	36.58	63.53	-26.95	peak	
3		4.8662	16.94	11.38	28.32	69.54	-41.22	peak	
4		8.0602	13.26	11.34	24.60	69.54	-44.94	peak	
5		10.2393	11.92	11.29	23.21	69.54	-46.33	peak	
6		14.3885	10.22	11.17	21.39	69.54	-48.15	peak	

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

Test Mode: TX B MODE CHANNEL 01

Vertical

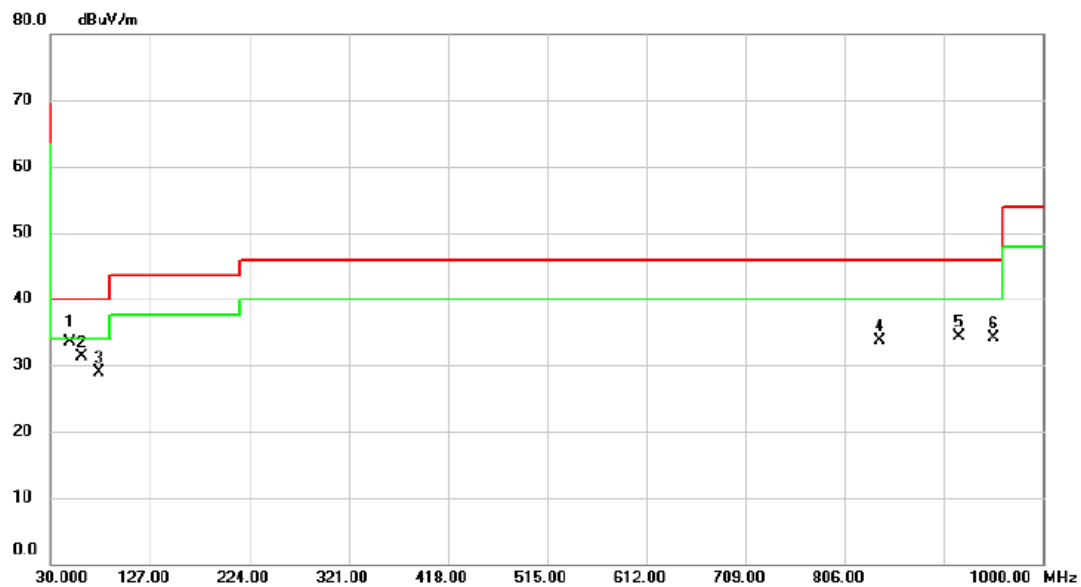


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	!	32.9100	45.82	-8.96	36.86	40.00	-3.14	peak	
2	*	48.4300	46.31	-8.25	38.06	40.00	-1.94	QP	
3		60.0700	39.71	-8.84	30.87	40.00	-9.13	QP	
4		78.5000	45.12	-11.94	33.18	40.00	-6.82	peak	
5	!	111.4800	50.46	-10.99	39.47	43.50	-4.03	peak	
6	!	151.2500	46.49	-8.72	37.77	43.50	-5.73	peak	



Test Mode: TX B MODE CHANNEL 01

### Horizontal

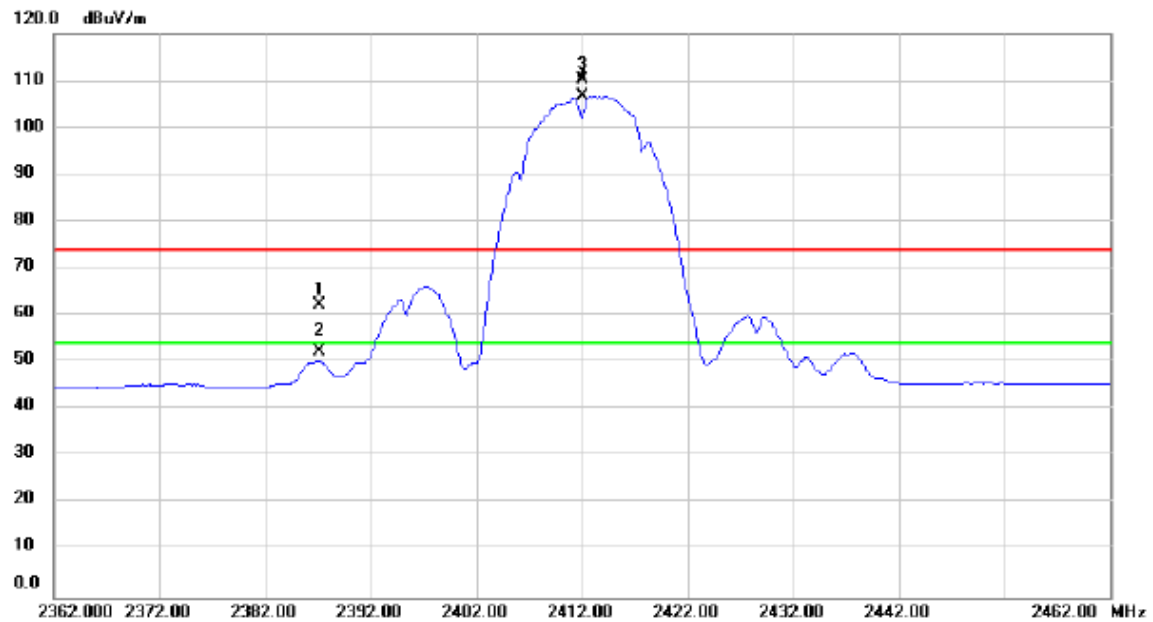


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	48.4300	41.80	-8.25	33.55	40.00	-6.45	QP	
2		60.0700	40.19	-8.84	31.35	40.00	-8.65	peak	
3		77.5300	40.61	-11.78	28.83	40.00	-11.17	peak	
4		839.9500	30.27	3.45	33.72	46.00	-12.28	peak	
5		917.5500	29.33	4.91	34.24	46.00	-11.76	peak	
6		951.5000	28.64	5.51	34.15	46.00	-11.85	peak	

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

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

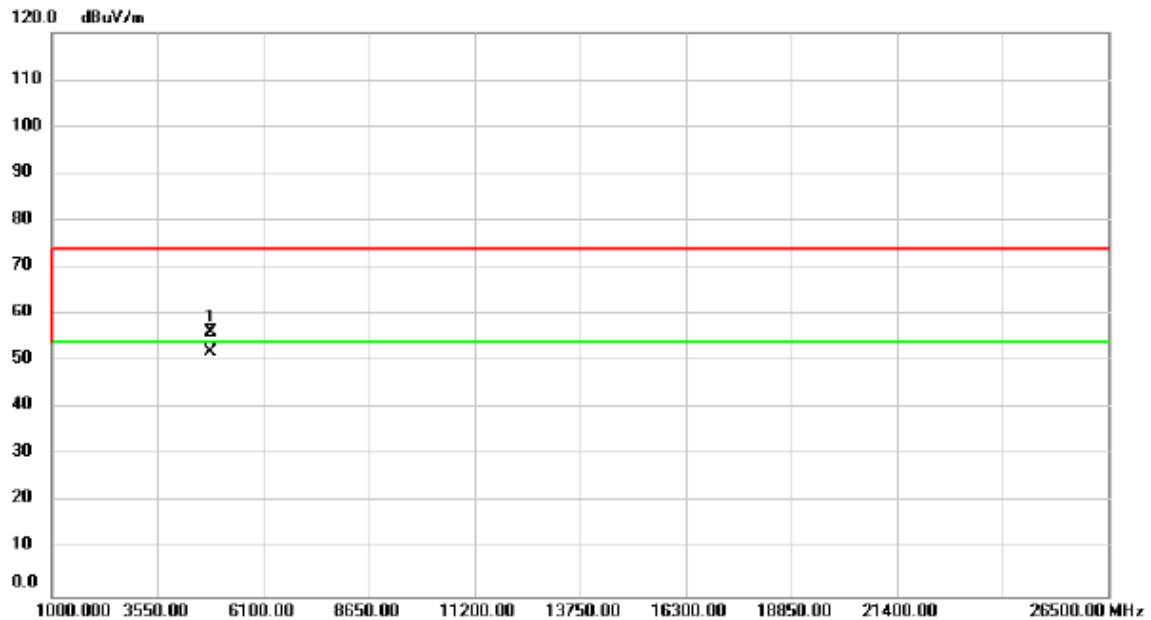
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2387.100	30.61	31.69	62.30	74.00	-11.70	peak	
2		2387.100	20.73	31.69	52.42	54.00	-1.58	AVG	
3	X	2412.000	78.58	31.79	110.37	74.00	36.37	peak	No Limit
4	*	2412.000	74.81	31.79	106.60	54.00	52.60	AVG	No Limit

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

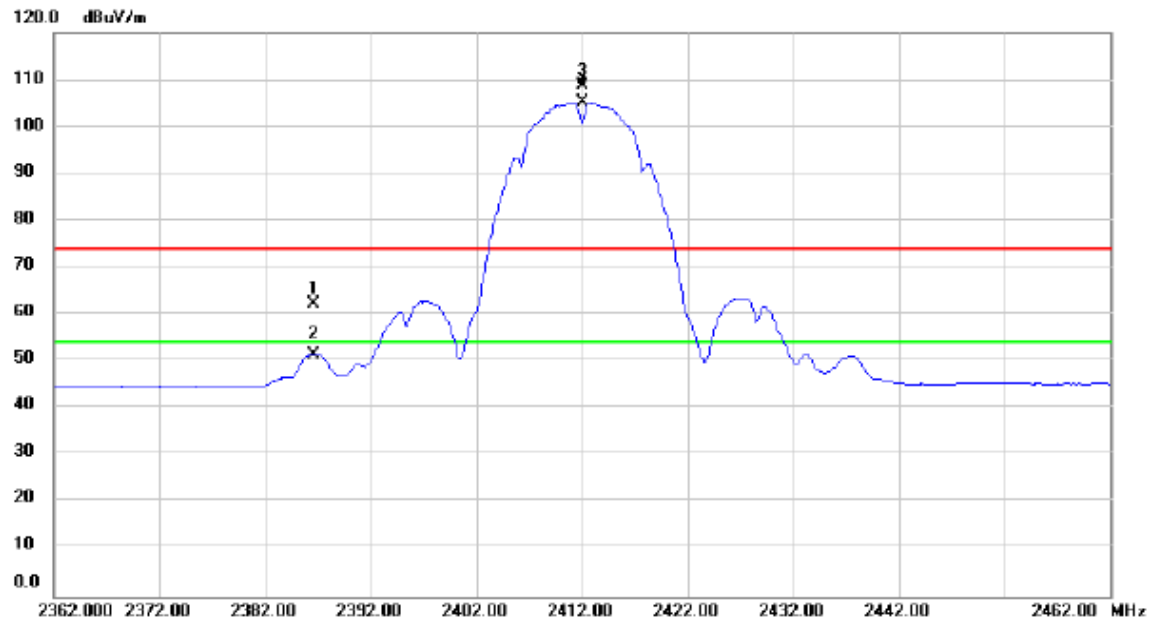
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	66.83	-10.48	56.35	74.00	-17.65	peak	
2	*	4824.000	62.46	-10.48	51.98	54.00	-2.02	AVG	

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

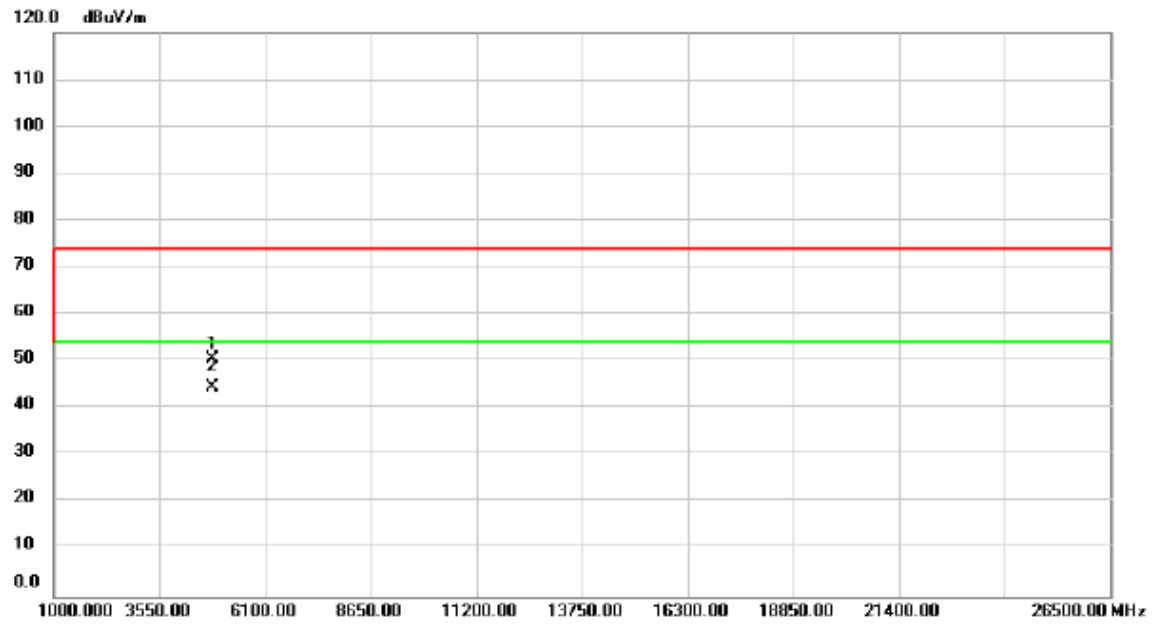
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.600	30.67	31.69	62.36	74.00	-11.64	peak	
2		2386.600	19.80	31.69	51.49	54.00	-2.51	AVG	
3	X	2412.000	76.86	31.79	108.65	74.00	34.65	peak	No Limit
4	*	2412.000	73.50	31.79	105.29	54.00	51.29	AVG	No Limit

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

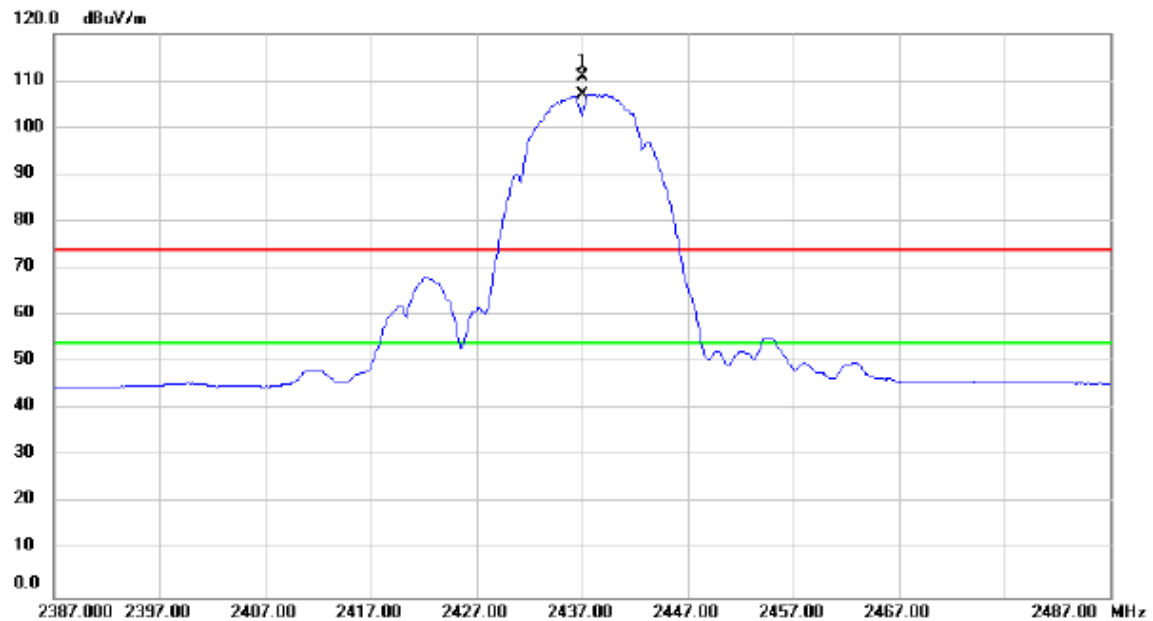
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	61.10	-10.48	50.62	74.00	-23.38	peak	
2	*	4824.000	55.13	-10.48	44.65	54.00	-9.35	AVG	

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

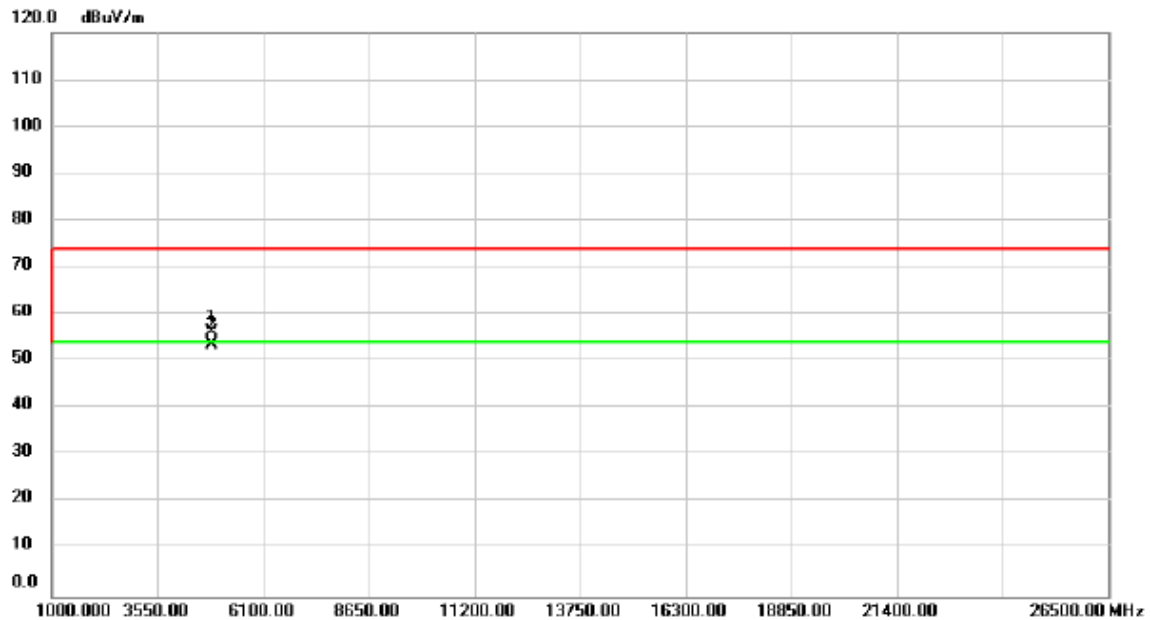
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2437.000	78.85	31.88	110.73	74.00	36.73	peak	No Limit
2	*	2437.000	75.11	31.88	106.99	54.00	52.99	AVG	No Limit

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

### Vertical

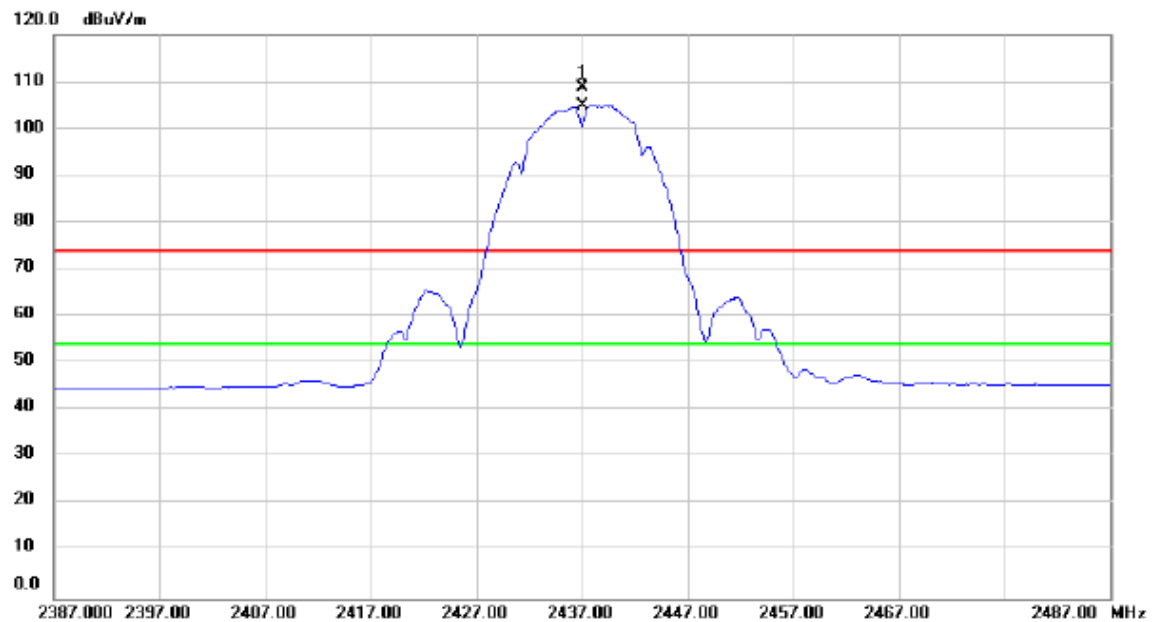


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	66.55	-10.40	56.15	74.00	-17.85	peak	
2	*	4874.000	64.07	-10.40	53.67	54.00	-0.33	AVG	



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

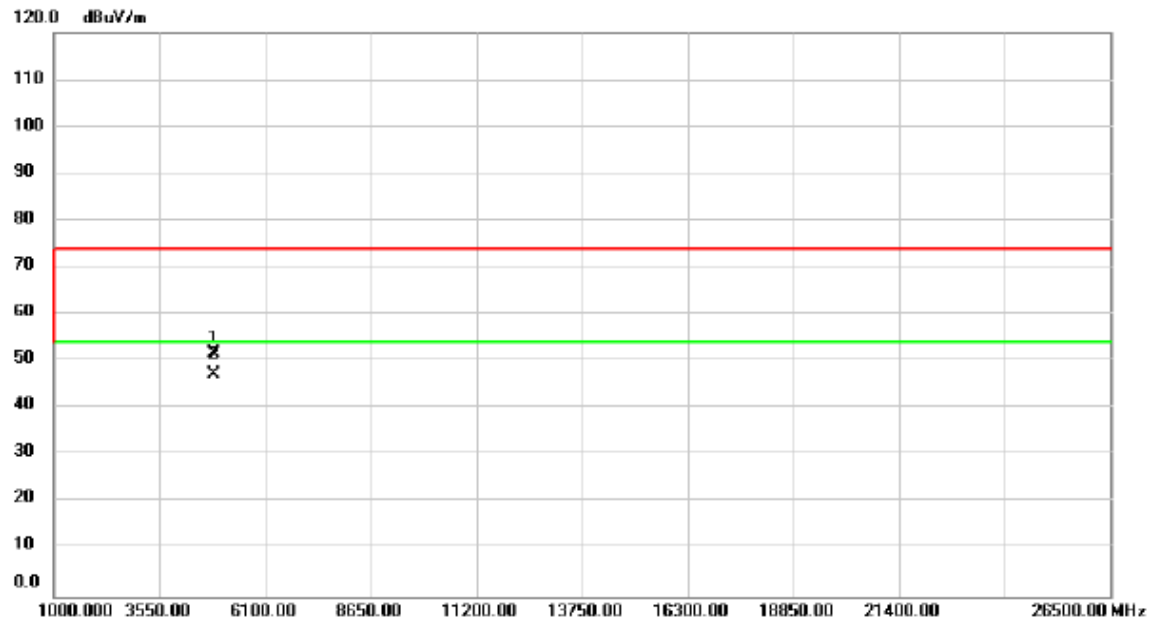
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2437.000	76.77	31.88	108.65	74.00	34.65	peak	No Limit
2	*	2437.000	72.98	31.88	104.86	54.00	50.86	AVG	No Limit

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

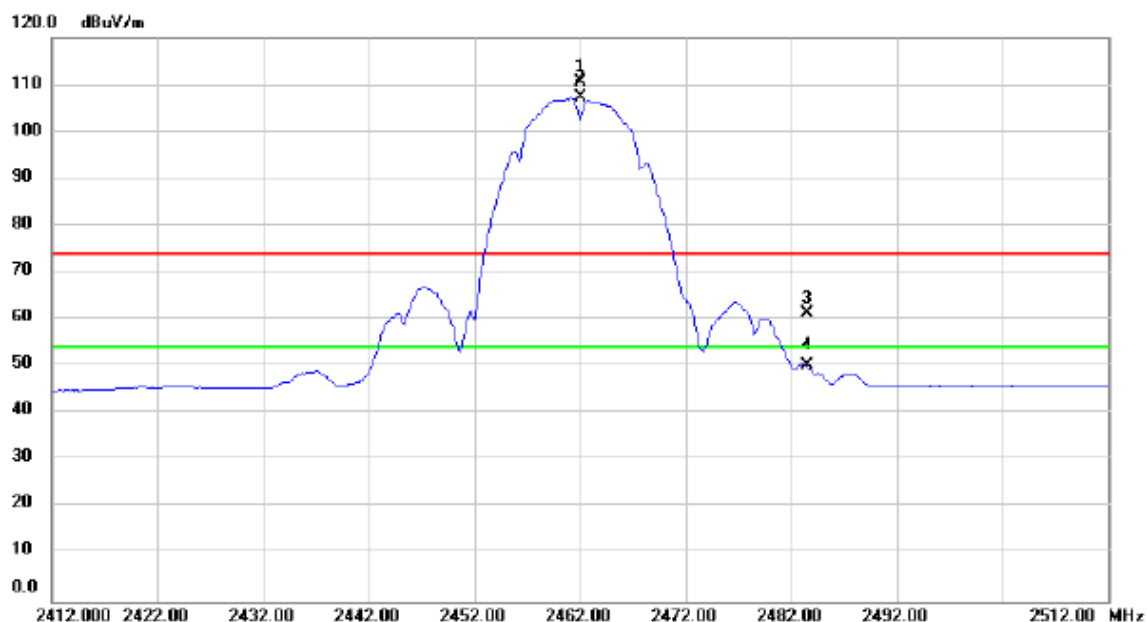
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	62.01	-10.40	51.61	74.00	-22.39	peak	
2	*	4874.000	57.61	-10.40	47.21	54.00	-6.79	AVG	

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

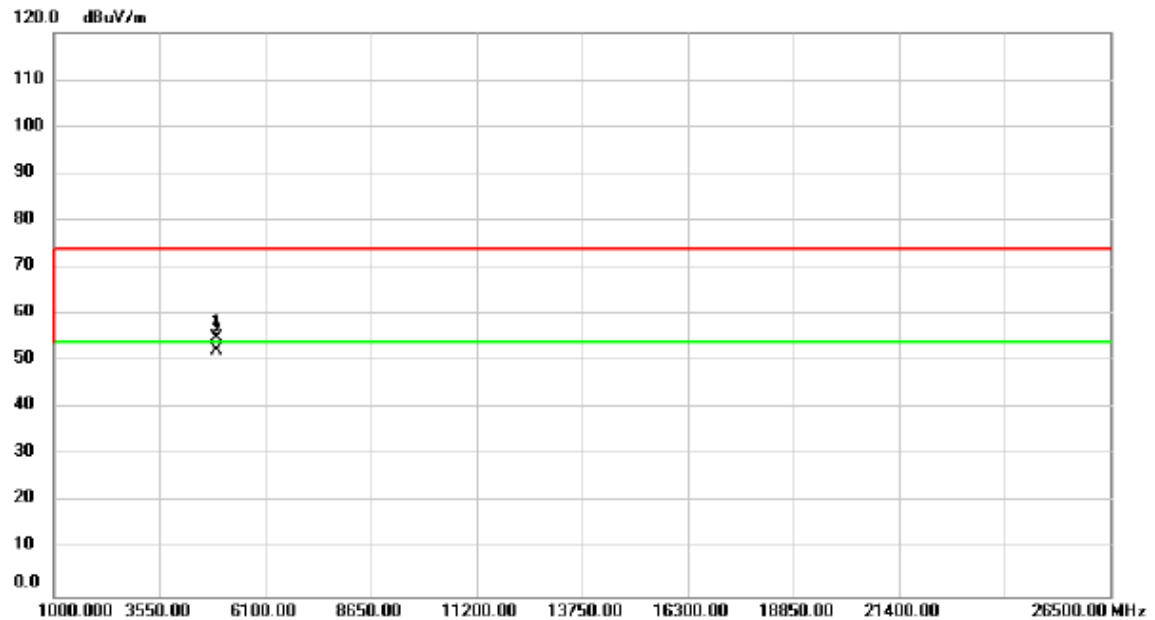
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2462.000	78.66	31.98	110.64	74.00	36.64	peak	No Limit
2	*	2462.000	75.20	31.98	107.18	54.00	53.18	AVG	No Limit
3		2483.500	29.14	32.06	61.20	74.00	-12.80	peak	
4		2483.500	18.05	32.06	50.11	54.00	-3.89	AVG	

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

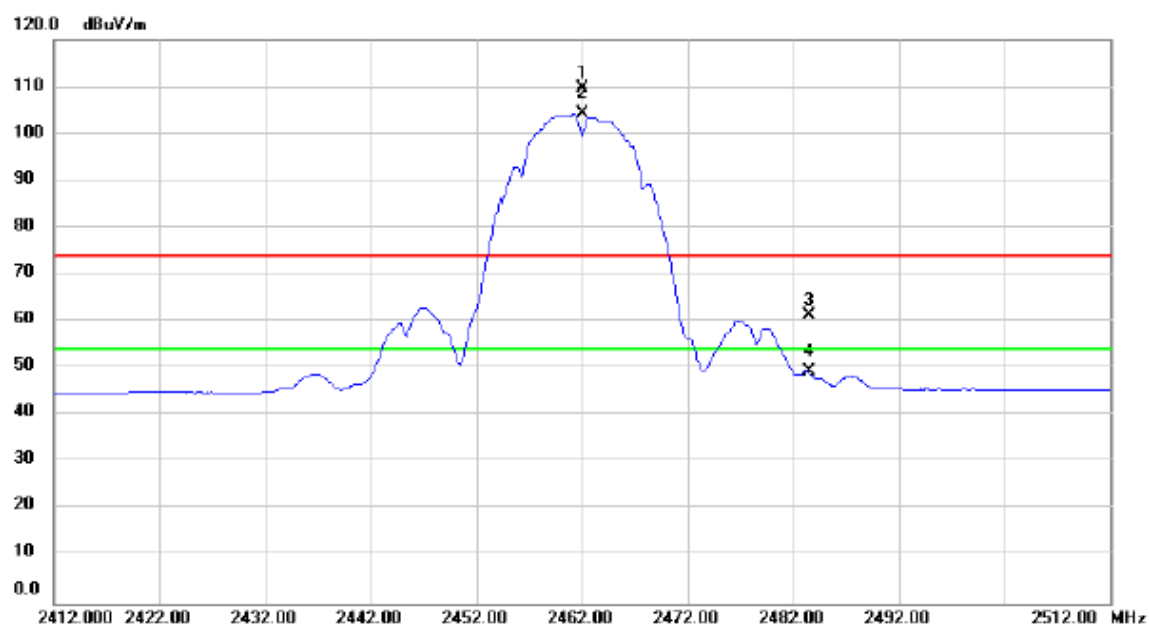
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	65.48	-10.32	55.16	74.00	-18.84	peak	
2	*	4924.000	62.59	-10.32	52.27	54.00	-1.73	AVG	

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

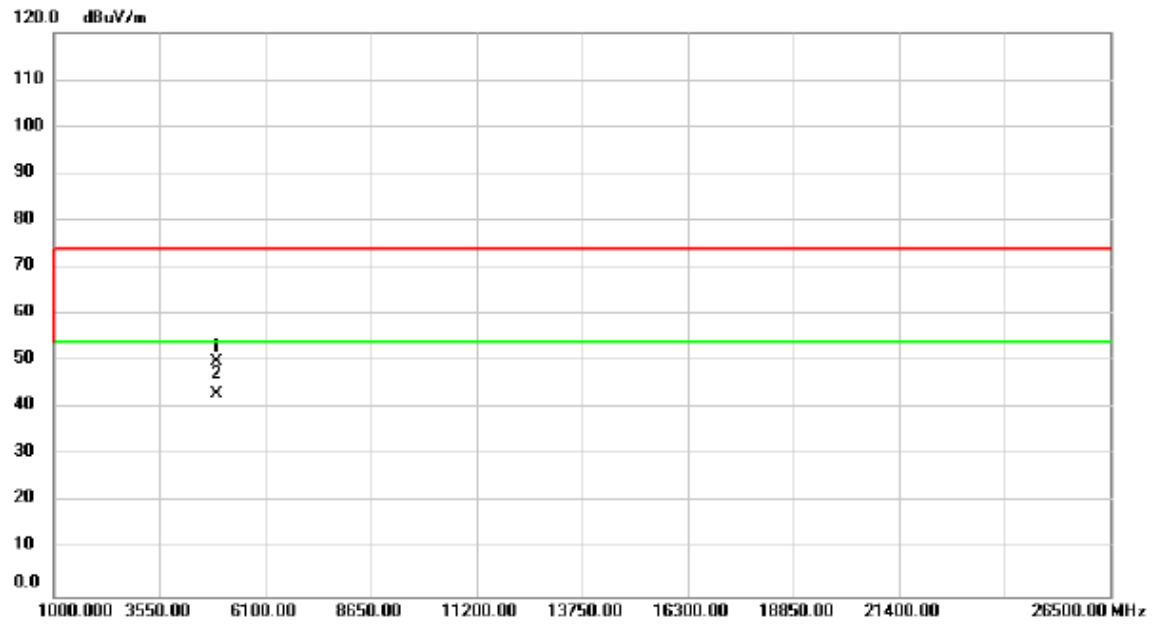
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2462.000	77.60	31.98	109.58	74.00	35.58	peak	No Limit
2	*	2462.000	72.17	31.98	104.15	54.00	50.15	AVG	No Limit
3		2483.500	29.20	32.06	61.26	74.00	-12.74	peak	
4		2483.500	17.23	32.06	49.29	54.00	-4.71	AVG	

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

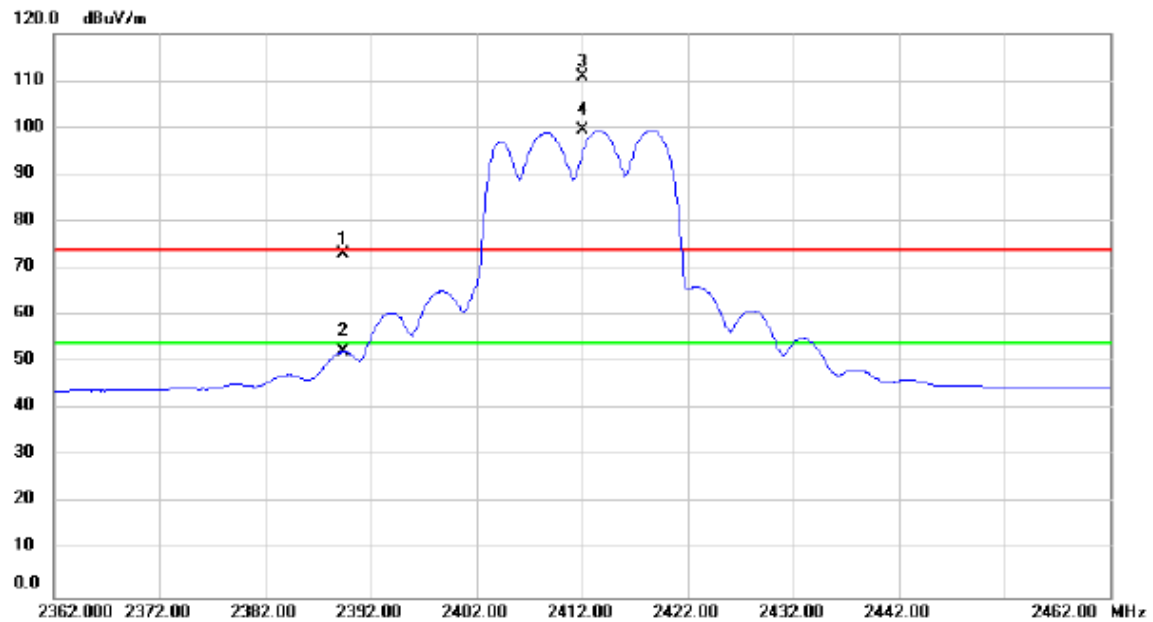
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	60.33	-10.32	50.01	74.00	-23.99	peak	
2	*	4924.000	53.29	-10.32	42.97	54.00	-11.03	AVG	

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

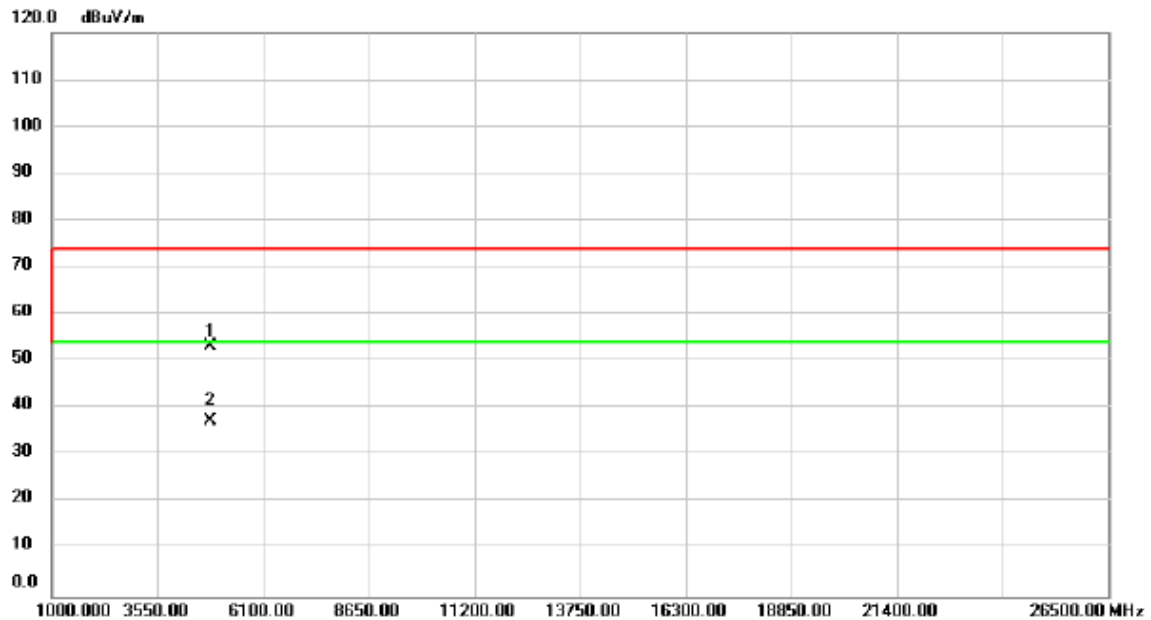
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.400	41.42	31.70	73.12	74.00	-0.88	peak	
2		2389.400	20.64	31.70	52.34	54.00	-1.66	AVG	
3	X	2412.000	79.13	31.79	110.92	74.00	36.92	peak	No Limit
4	*	2412.000	67.65	31.79	99.44	54.00	45.44	AVG	No Limit

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

### Vertical

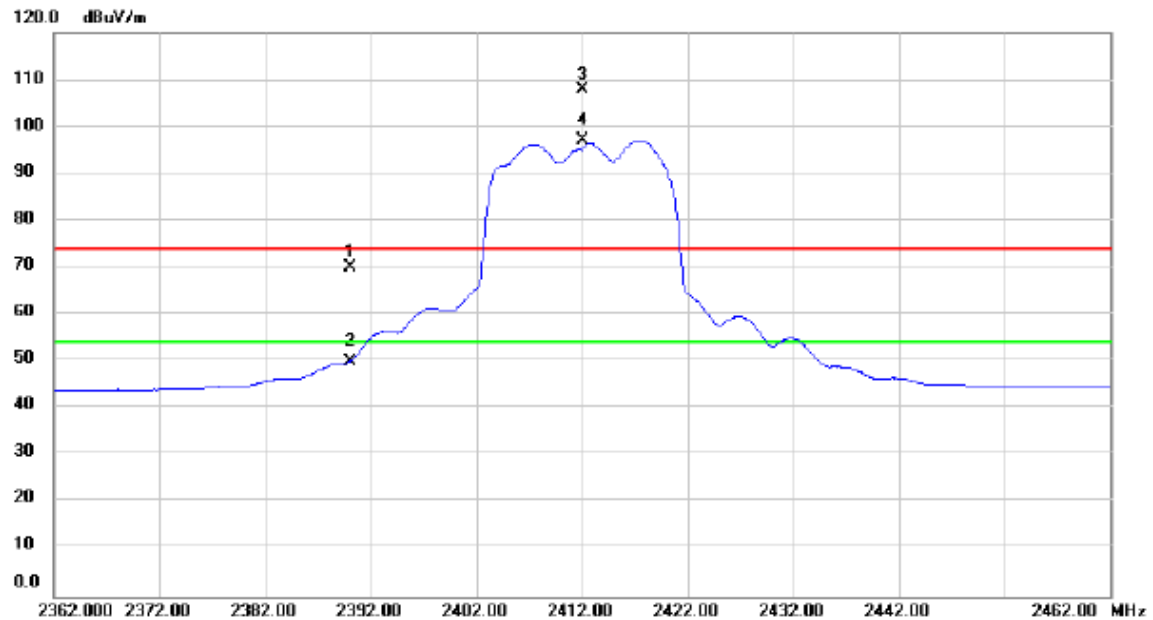


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	63.72	-10.48	53.24	74.00	-20.76	peak	
2	*	4824.000	47.78	-10.48	37.30	54.00	-16.70	AVG	



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

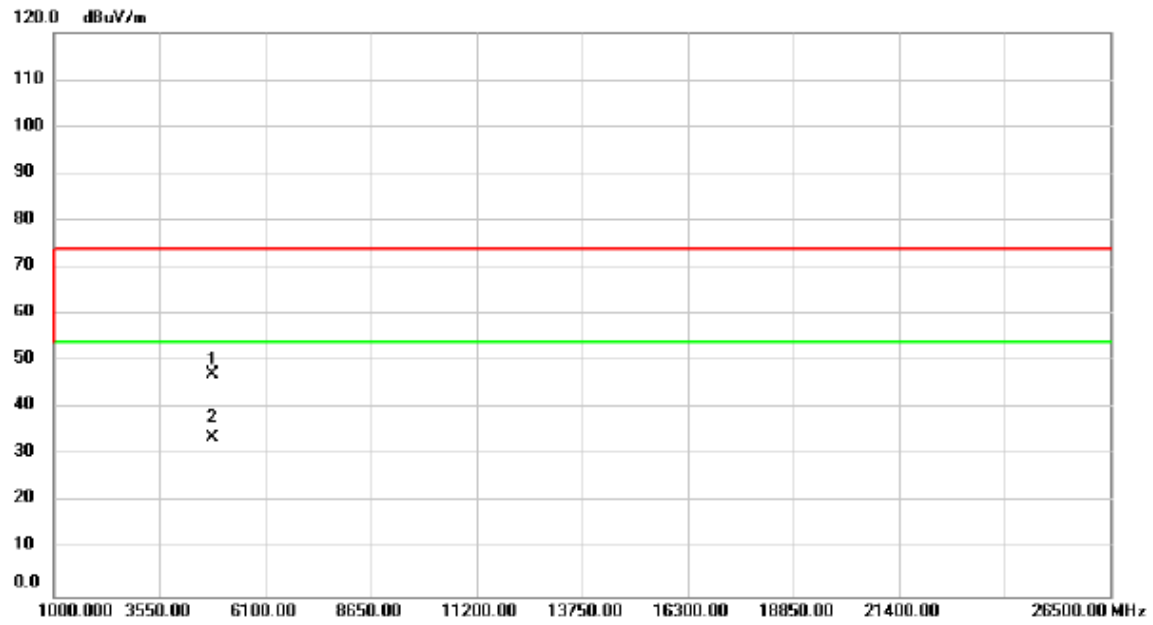
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	38.39	31.70	70.09	74.00	-3.91	peak	
2		2390.000	18.40	31.70	50.10	54.00	-3.90	AVG	
3	X	2412.000	76.06	31.79	107.85	74.00	33.85	peak	No Limit
4	*	2412.000	65.34	31.79	97.13	54.00	43.13	AVG	No Limit

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

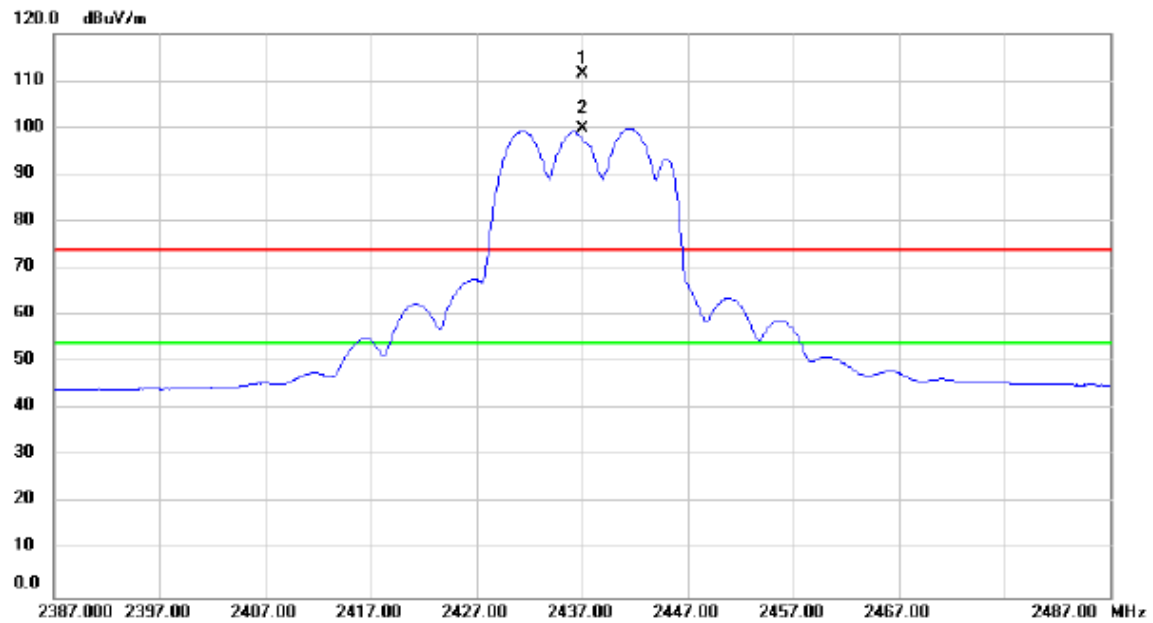
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	57.80	-10.48	47.32	74.00	-26.68	peak	
2	*	4824.000	44.19	-10.48	33.71	54.00	-20.29	AVG	

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

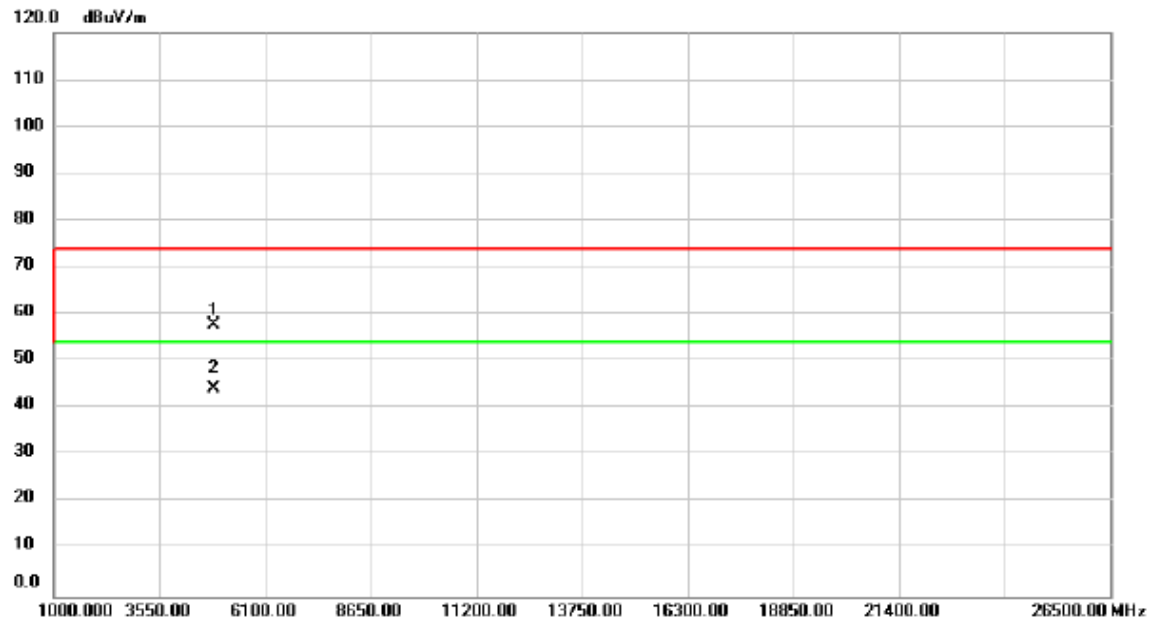
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2437.000	79.63	31.88	111.51	74.00	37.51	peak	No Limit
2	*	2437.000	67.86	31.88	99.74	54.00	45.74	AVG	No Limit

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

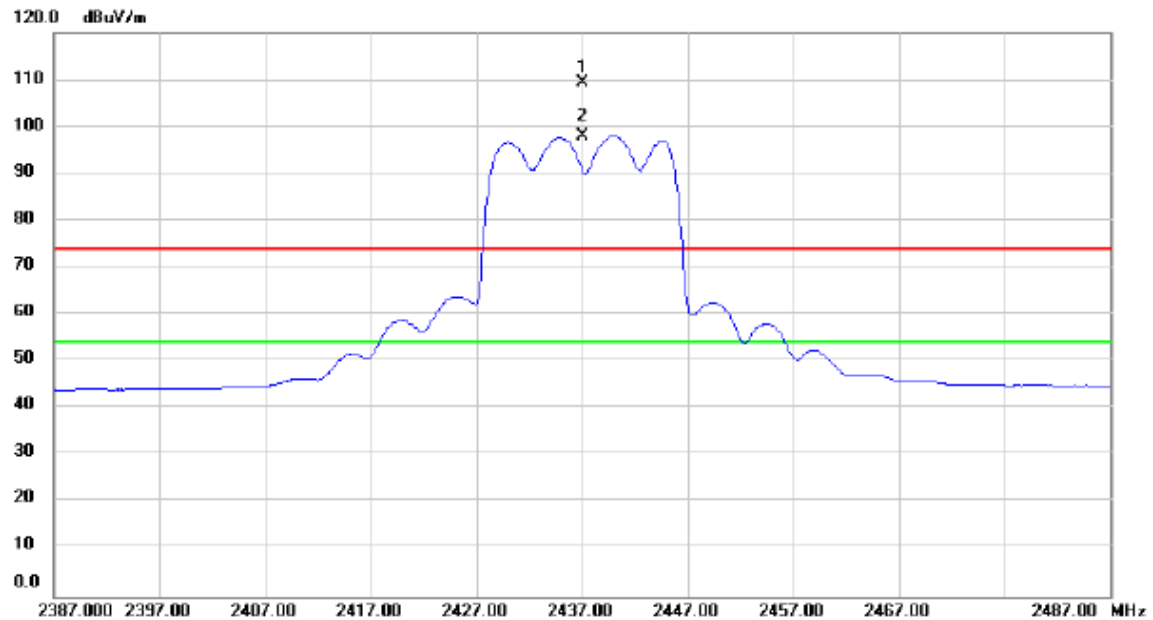
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	68.21	-10.40	57.81	74.00	-16.19	peak	
2	*	4874.000	54.75	-10.40	44.35	54.00	-9.65	AVG	

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

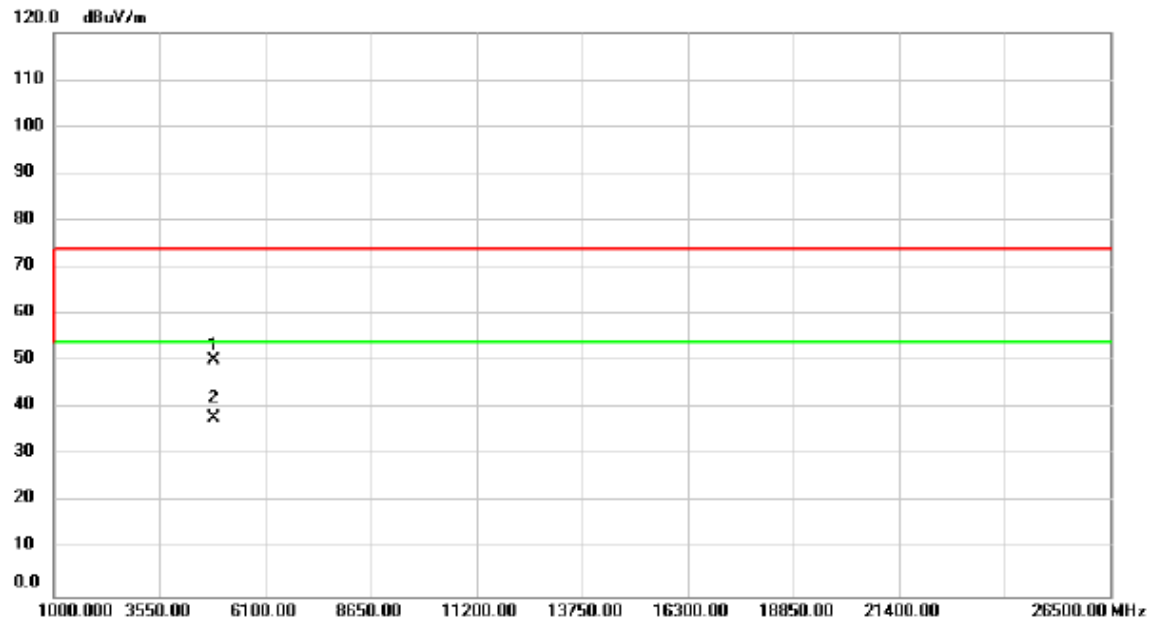
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2437.000	77.47	31.88	109.35	74.00	35.35	peak	No Limit
2	*	2437.000	66.12	31.88	98.00	54.00	44.00	AVG	No Limit

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

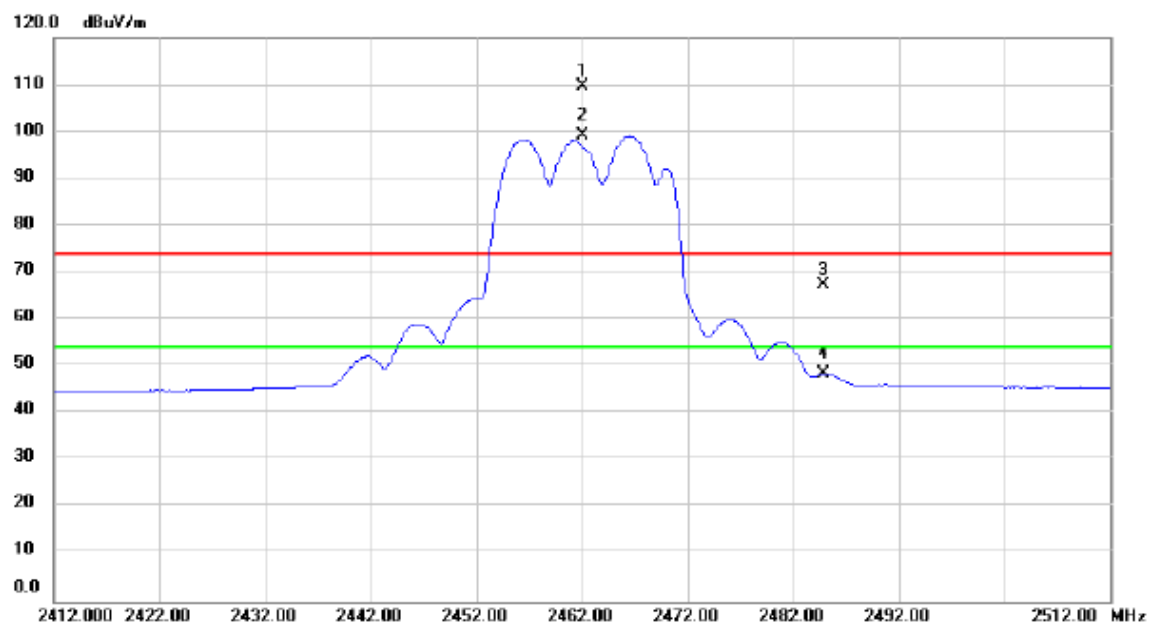
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	60.51	-10.40	50.11	74.00	-23.89	peak	
2	*	4874.000	48.24	-10.40	37.84	54.00	-16.16	AVG	

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

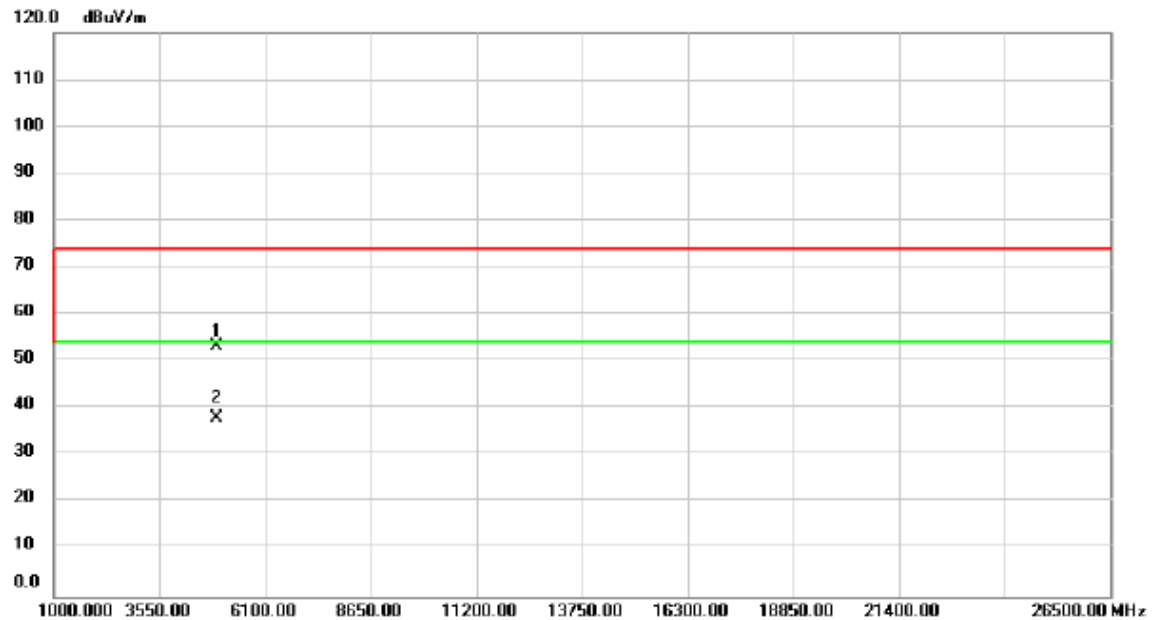
### Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2462.000	77.55	31.98	109.53	74.00	35.53	peak	No Limit
2	*	2462.000	67.03	31.98	99.01	54.00	45.01	AVG	No Limit
3		2484.900	35.31	32.07	67.38	74.00	-6.62	peak	
4		2484.900	16.30	32.07	48.37	54.00	-5.63	AVG	

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

### Vertical

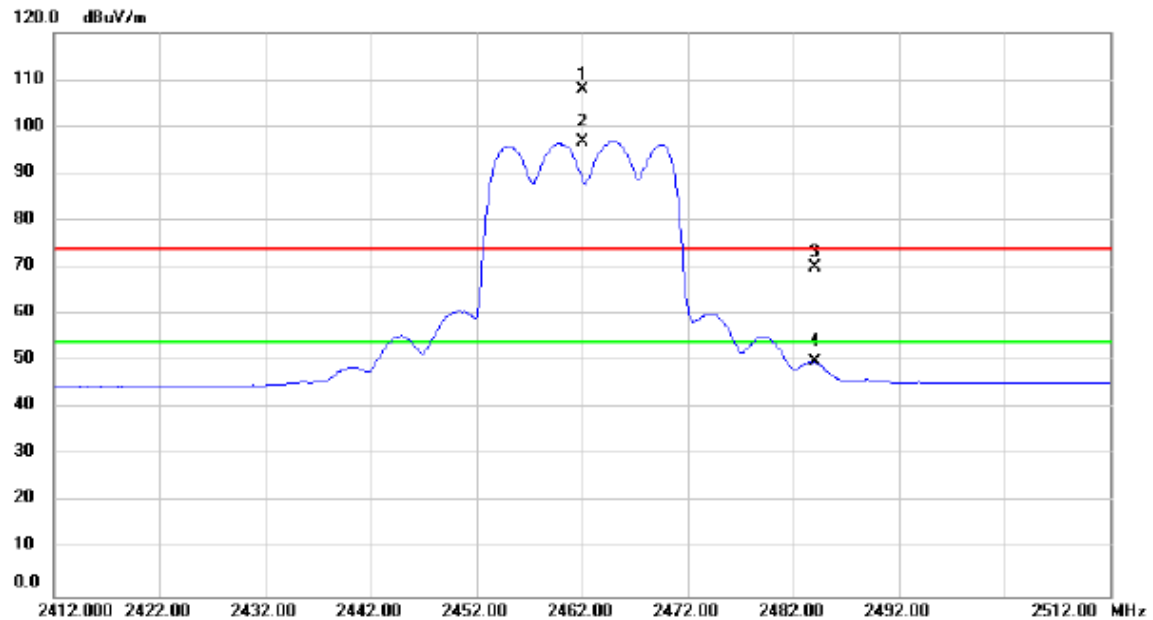


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	63.46	-10.32	53.14	74.00	-20.86	peak	
2	*	4924.000	48.26	-10.32	37.94	54.00	-16.06	AVG	



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

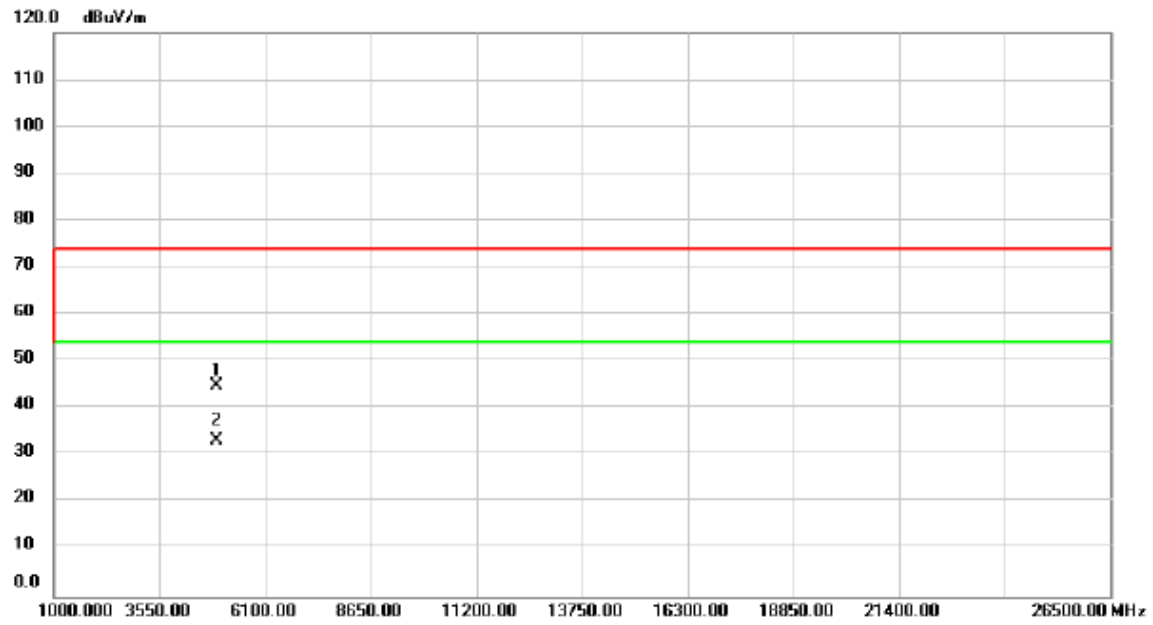
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2462.000	75.97	31.98	107.95	74.00	33.95	peak	No Limit
2	*	2462.000	64.90	31.98	96.88	54.00	42.88	AVG	No Limit
3		2484.000	38.03	32.07	70.10	74.00	-3.90	peak	
4		2484.000	17.91	32.07	49.98	54.00	-4.02	AVG	

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

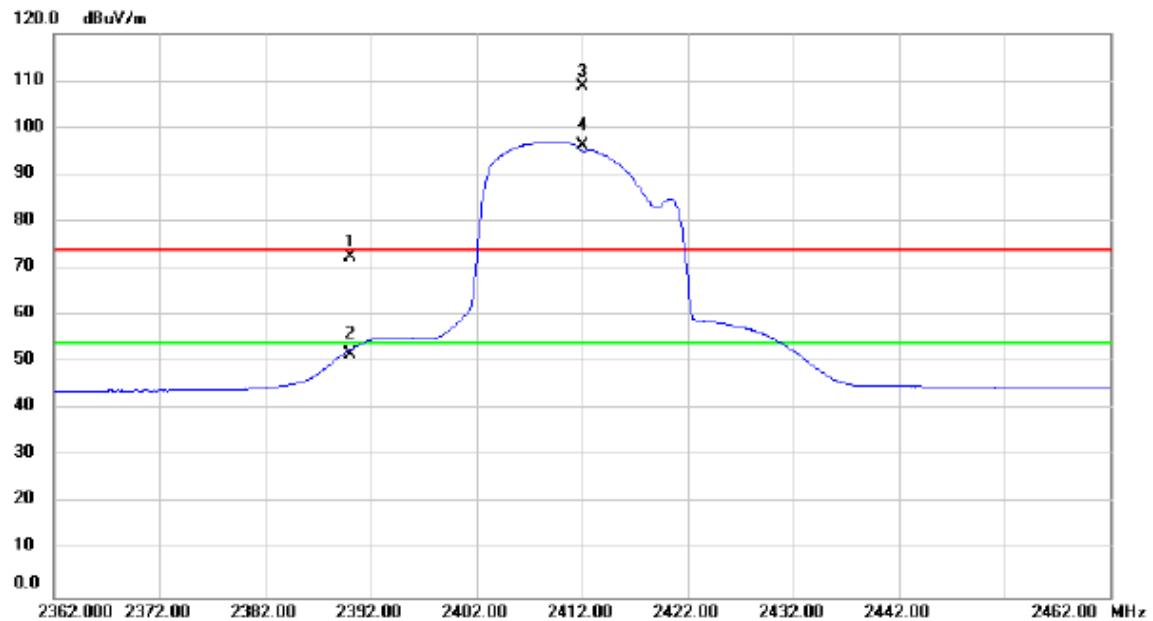
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	55.24	-10.32	44.92	74.00	-29.08	peak	
2	*	4924.000	43.33	-10.32	33.01	54.00	-20.99	AVG	

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

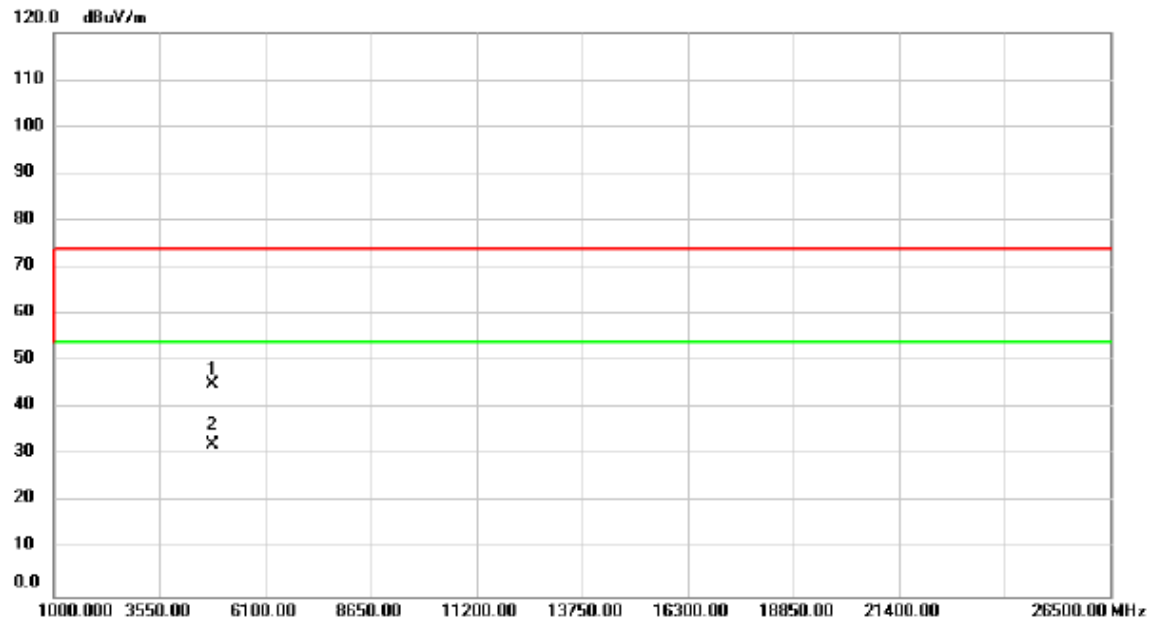
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	40.85	31.70	72.55	74.00	-1.45	peak	
2		2390.000	20.00	31.70	51.70	54.00	-2.30	AVG	
3	X	2412.000	76.96	31.79	108.75	74.00	34.75	peak	No Limit
4	*	2412.000	64.49	31.79	96.28	54.00	42.28	AVG	No Limit

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

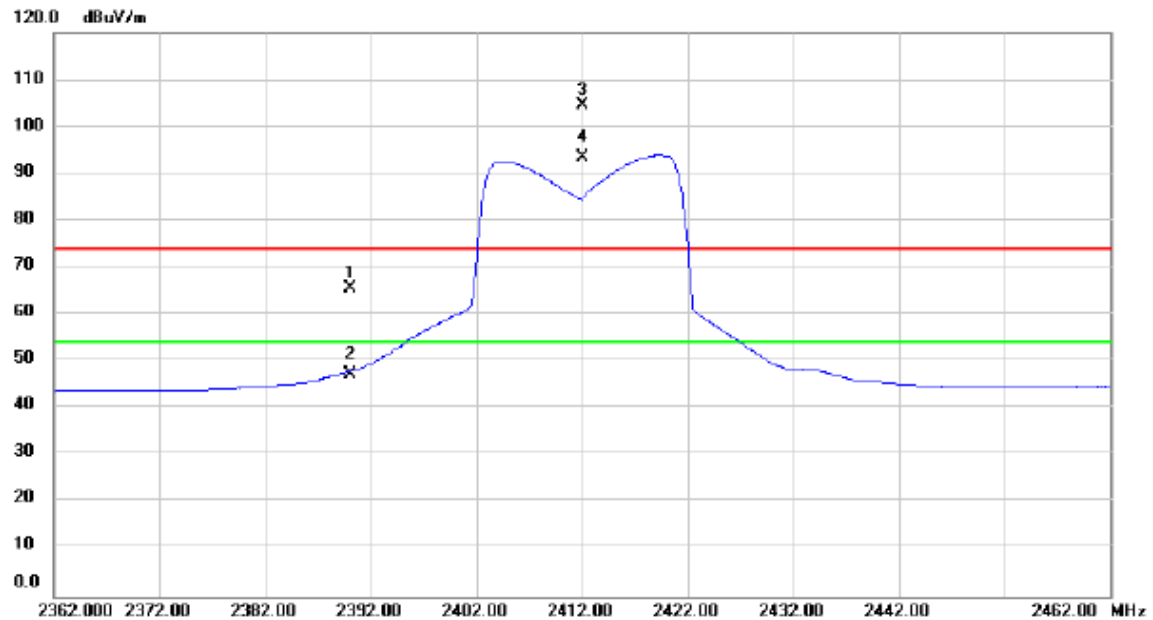
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	55.70	-10.48	45.22	74.00	-28.78	peak	
2	*	4824.000	42.75	-10.48	32.27	54.00	-21.73	AVG	

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

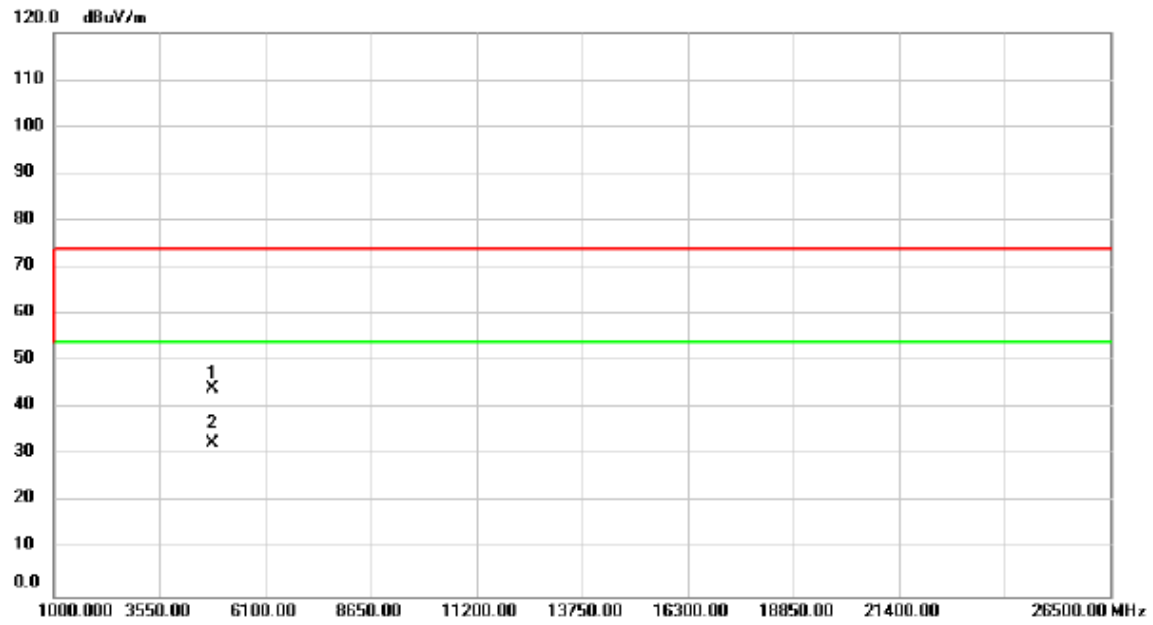
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	33.70	31.70	65.40	74.00	-8.60	peak	
2		2390.000	15.60	31.70	47.30	54.00	-6.70	AVG	
3	X	2412.000	72.71	31.79	104.50	74.00	30.50	peak	No Limit
4	*	2412.000	61.64	31.79	93.43	54.00	39.43	AVG	No Limit

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

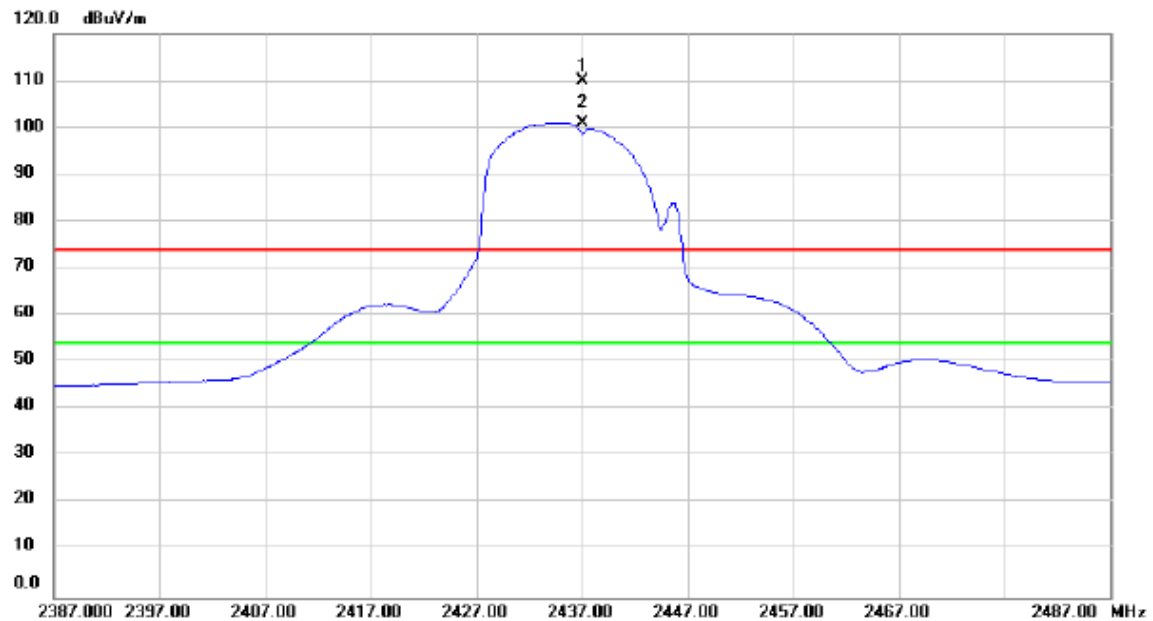
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	54.84	-10.48	44.36	74.00	-29.64	peak	
2	*	4824.000	42.96	-10.48	32.48	54.00	-21.52	AVG	

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

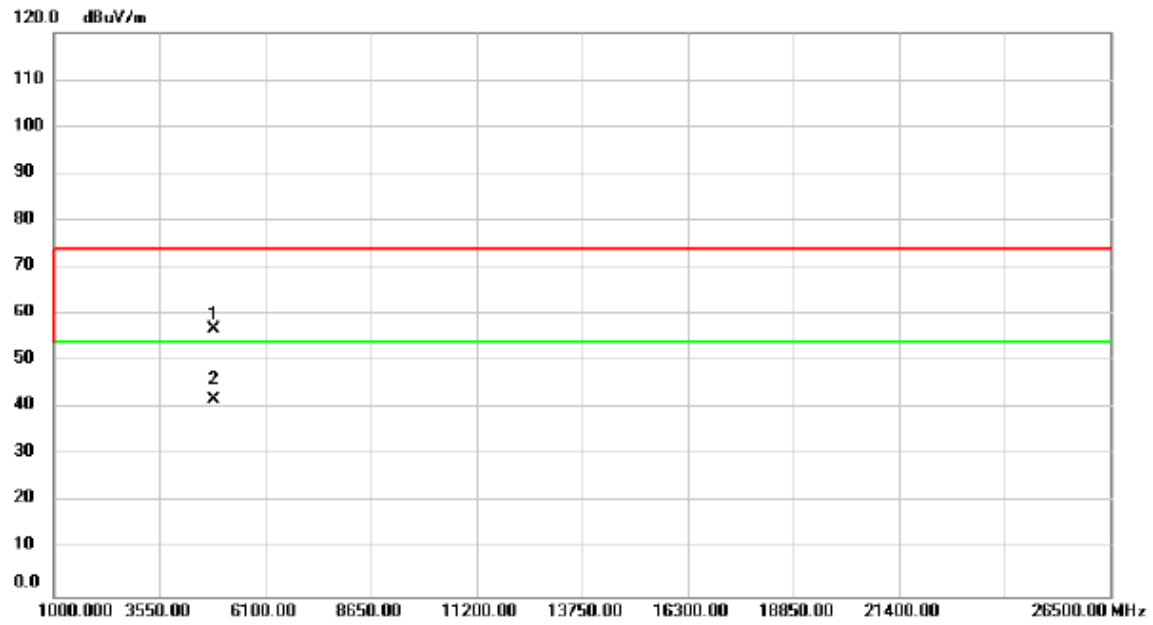
### Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2437.000	78.07	31.88	109.95	74.00	35.95	peak	No Limit
2	*	2437.000	69.09	31.88	100.97	54.00	46.97	AVG	No Limit

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

### Vertical

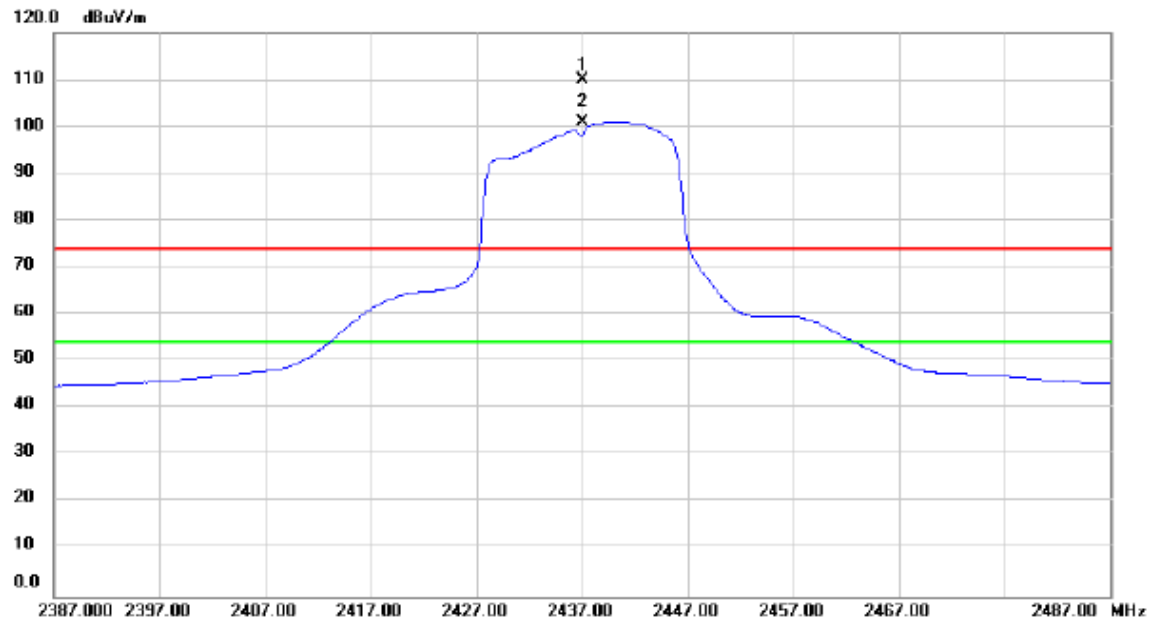


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	67.28	-10.40	56.88	74.00	-17.12	peak	
2	*	4874.000	52.22	-10.40	41.82	54.00	-12.18	AVG	



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

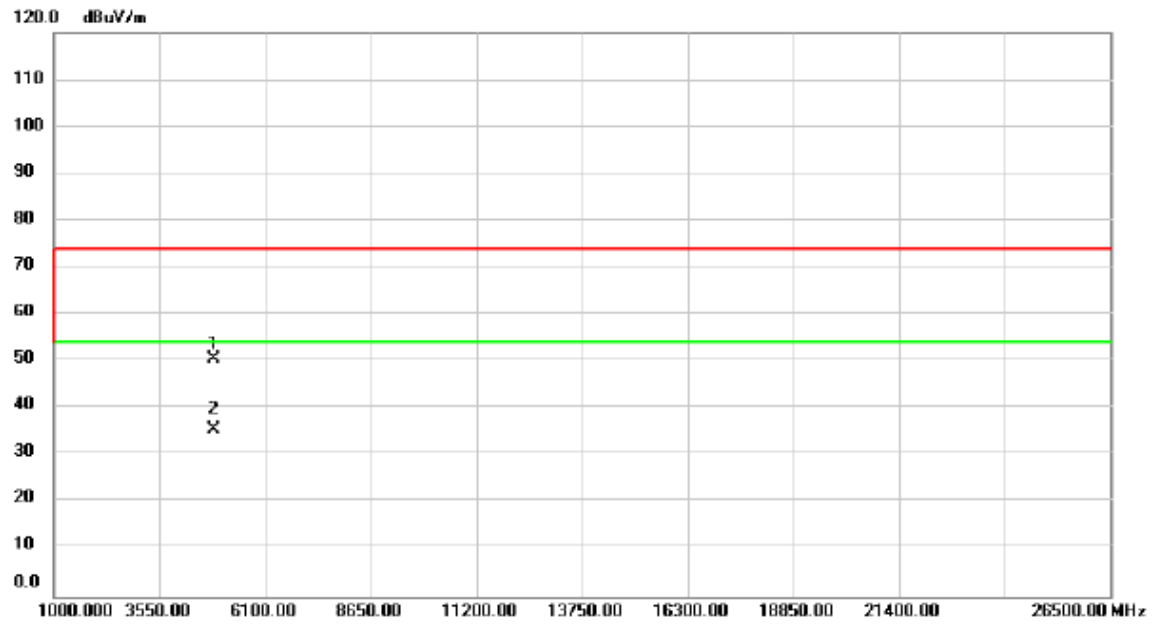
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2437.000	77.99	31.88	109.87	74.00	35.87	peak	No Limit
2	*	2437.000	69.11	31.88	100.99	54.00	46.99	AVG	No Limit

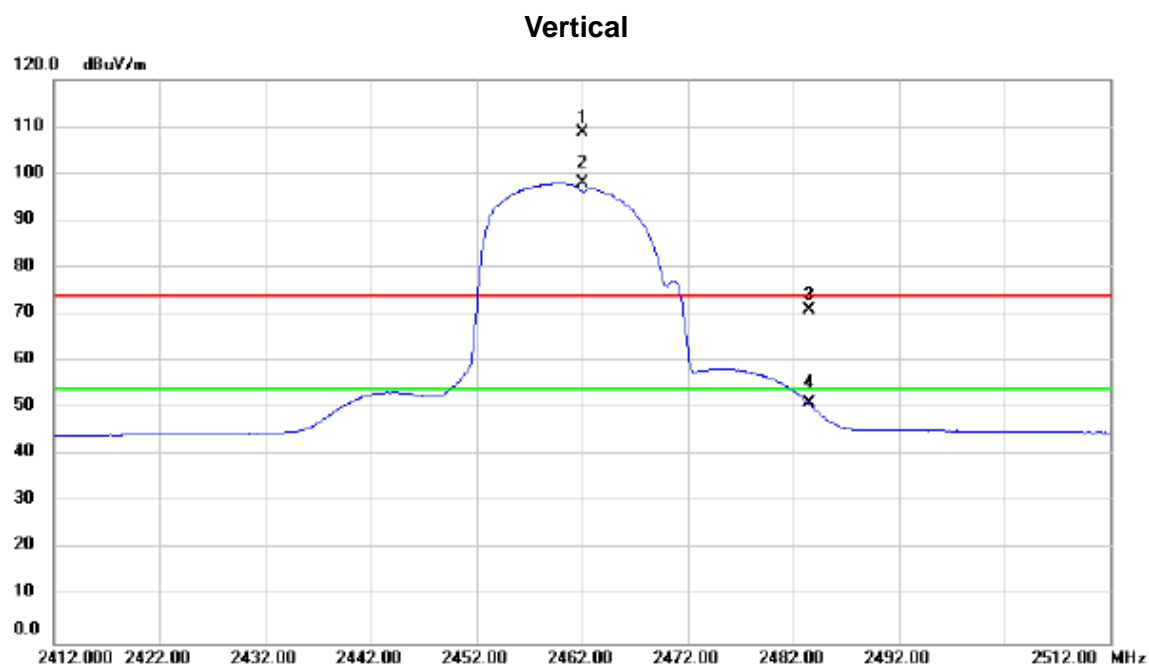
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	61.03	-10.40	50.63	74.00	-23.37	peak	
2	*	4874.000	45.99	-10.40	35.59	54.00	-18.41	AVG	

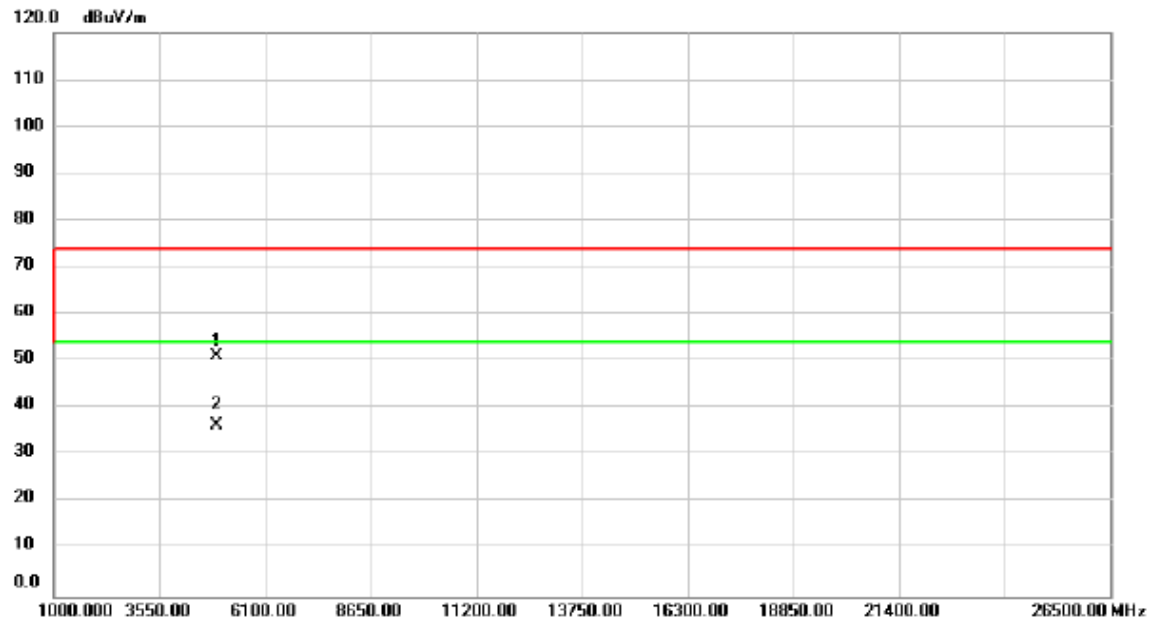
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2462.000	76.82	31.98	108.80	74.00	34.80	peak	No Limit
2	*	2462.000	65.94	31.98	97.92	54.00	43.92	AVG	No Limit
3		2483.500	38.79	32.06	70.85	74.00	-3.15	peak	
4		2483.500	18.95	32.06	51.01	54.00	-2.99	AVG	

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

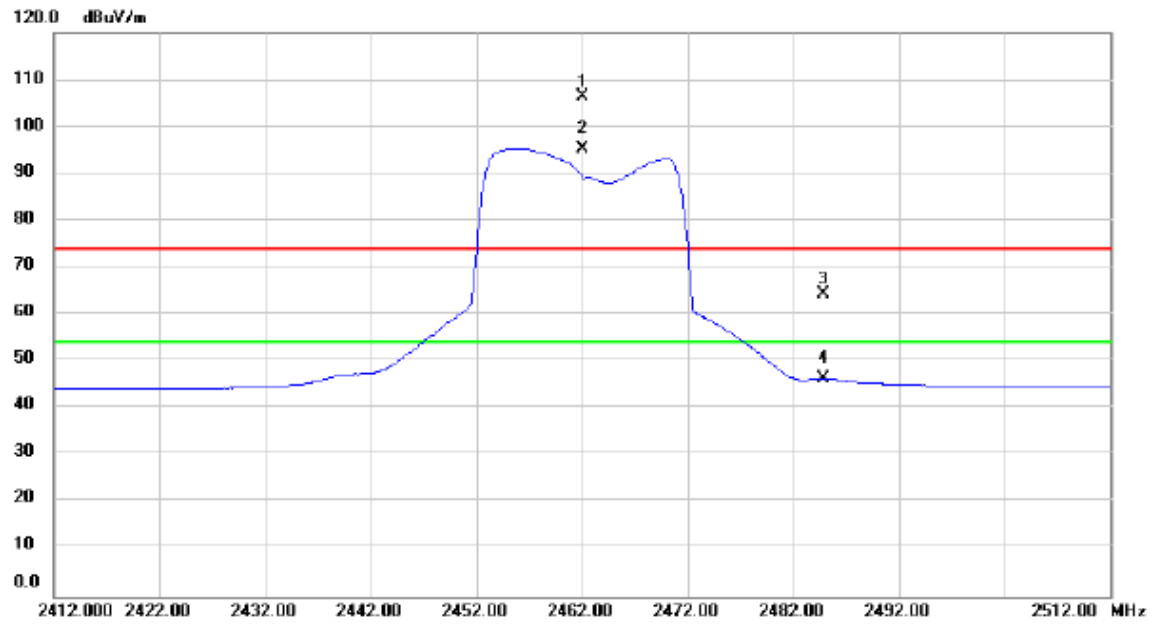
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	61.56	-10.32	51.24	74.00	-22.76	peak	
2	*	4924.000	46.64	-10.32	36.32	54.00	-17.68	AVG	

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

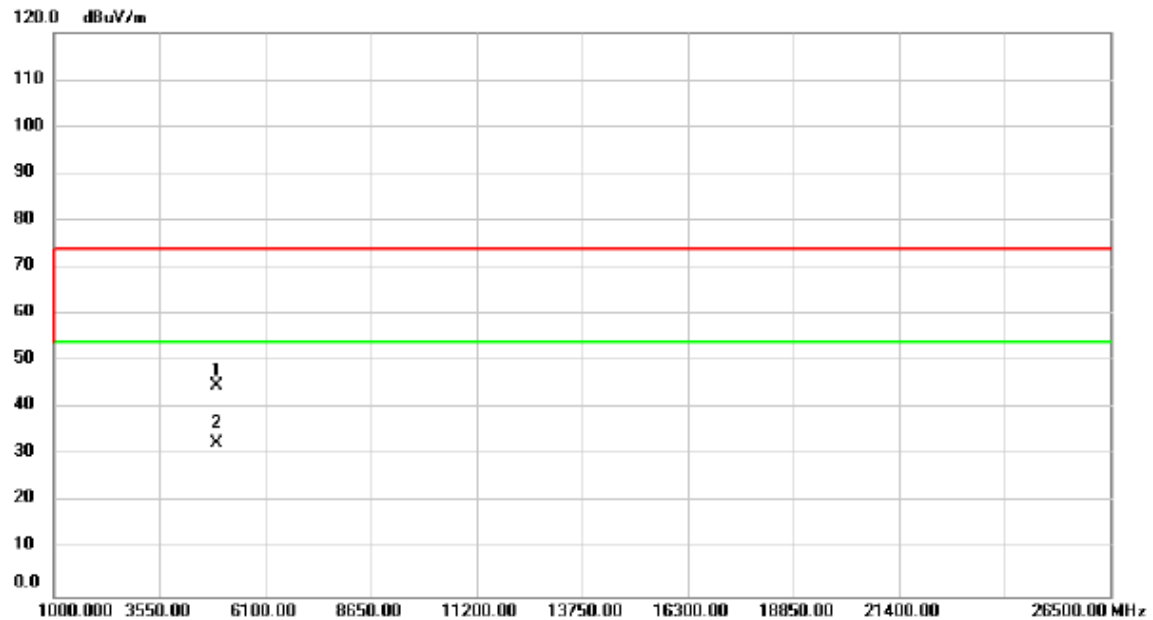
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2462.000	74.38	31.98	106.36	74.00	32.36	peak	No Limit
2	*	2462.000	63.33	31.98	95.31	54.00	41.31	AVG	No Limit
3		2484.800	32.34	32.07	64.41	74.00	-9.59	peak	
4		2484.800	14.34	32.07	46.41	54.00	-7.59	AVG	

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

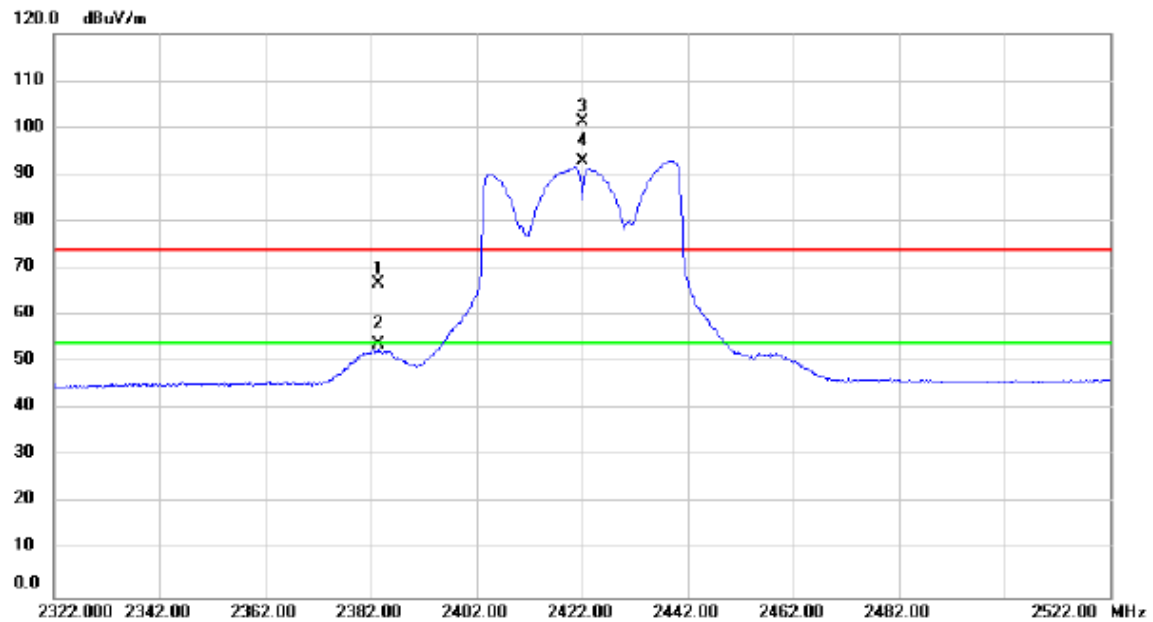
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	55.30	-10.32	44.98	74.00	-29.02	peak	
2	*	4924.000	42.84	-10.32	32.52	54.00	-21.48	AVG	

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

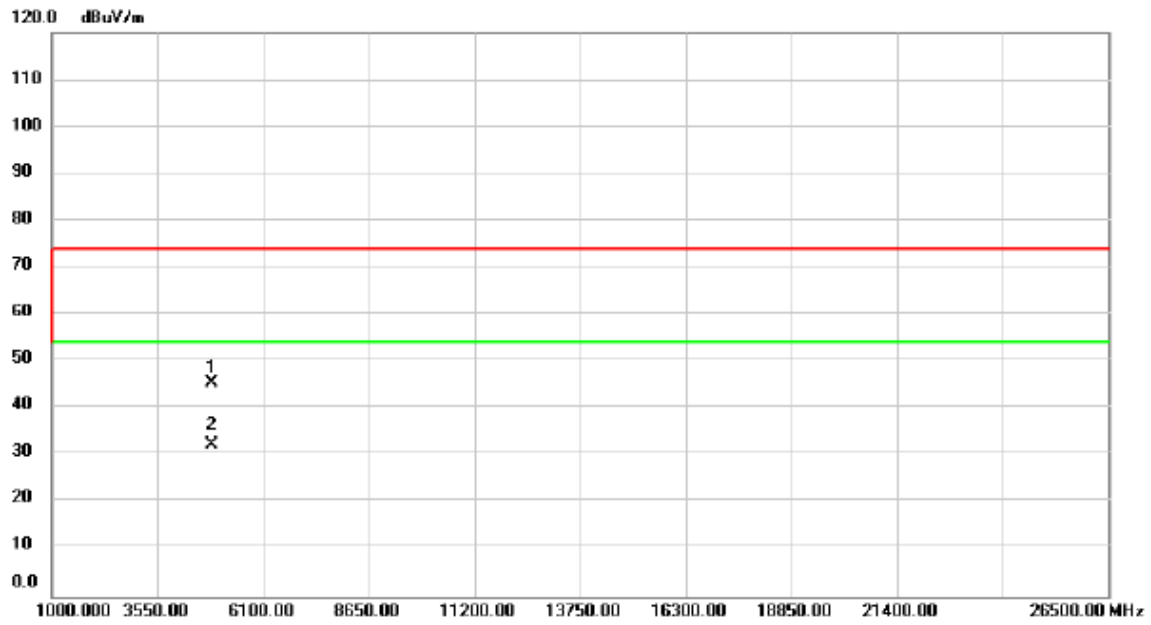
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2383.600	35.15	31.68	66.83	74.00	-7.17	peak	
2		2383.600	22.04	31.68	53.72	54.00	-0.28	AVG	
3	X	2422.000	69.51	31.83	101.34	74.00	27.34	peak	No Limit
4	*	2422.000	61.13	31.83	92.96	54.00	38.96	AVG	No Limit

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

### Vertical

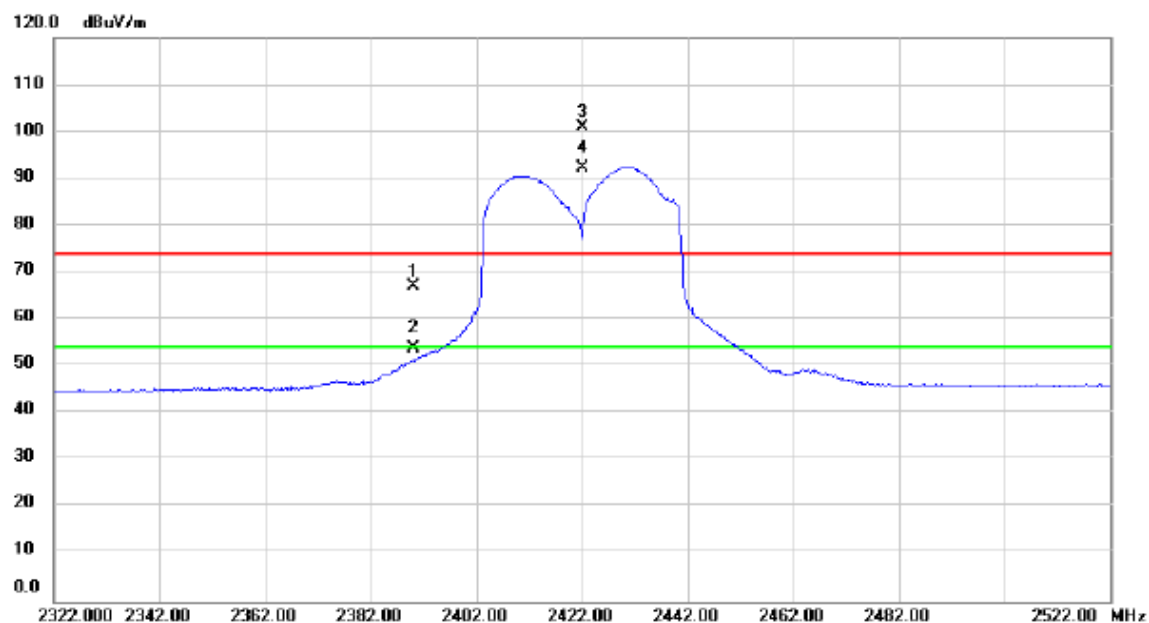


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4844.000	55.93	-10.45	45.48	74.00	-28.52	peak	
2	*	4844.000	42.73	-10.45	32.28	54.00	-21.72	AVG	



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

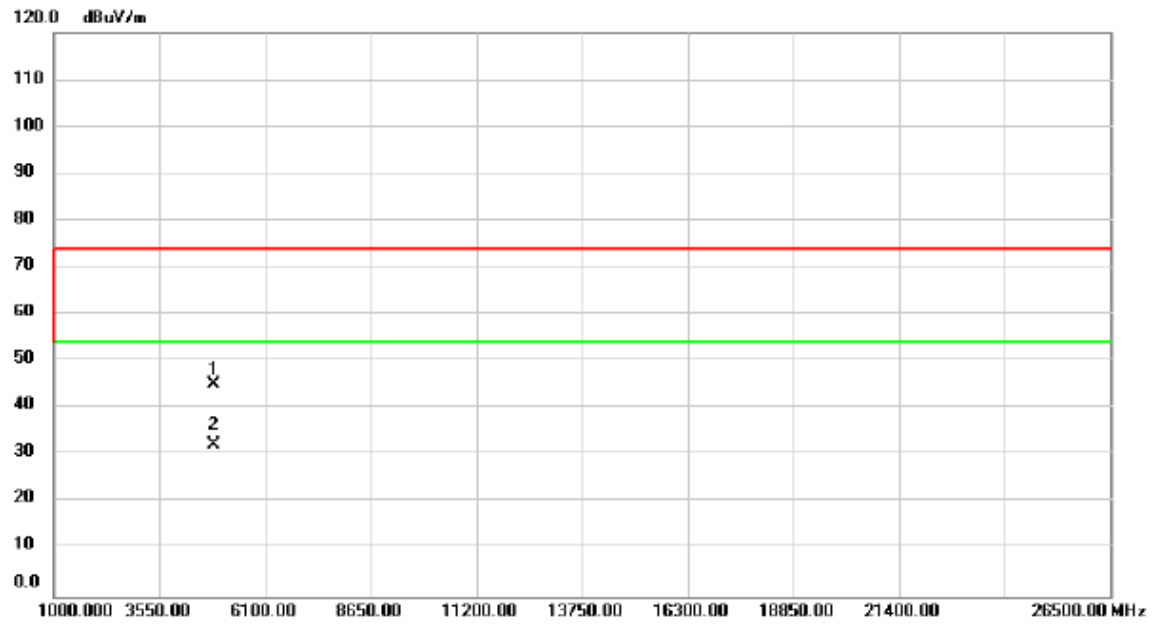
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	35.49	31.70	67.19	74.00	-6.81	peak	
2		2390.000	22.22	31.70	53.92	54.00	-0.08	AVG	
3	X	2422.000	69.15	31.83	100.98	74.00	26.98	peak	No Limit
4	*	2422.000	60.51	31.83	92.34	54.00	38.34	AVG	No Limit

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

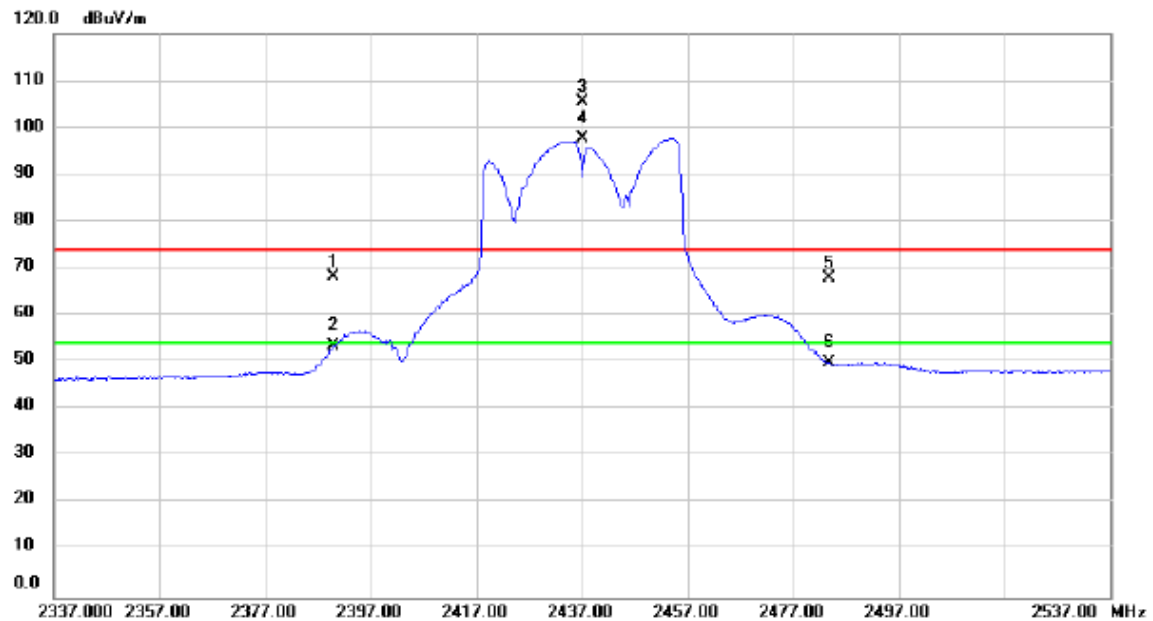
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4844.000	55.47	-10.45	45.02	74.00	-28.98	peak	
2	*	4844.000	42.75	-10.45	32.30	54.00	-21.70	AVG	

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

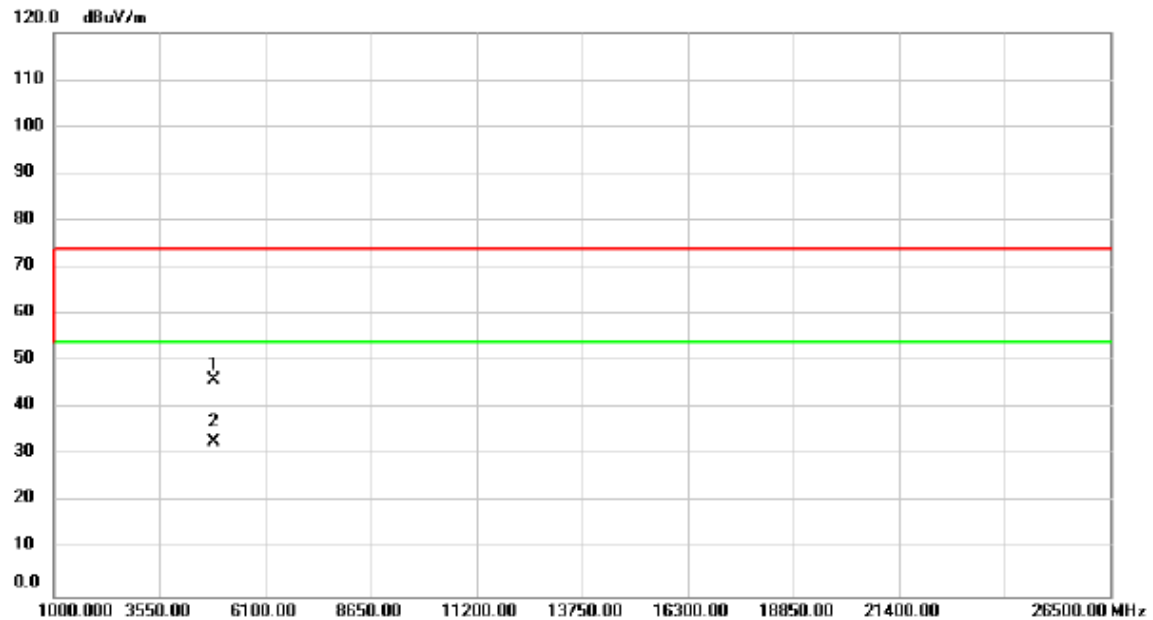
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	36.52	31.70	68.22	74.00	-5.78	peak	
2		2390.000	21.76	31.70	53.46	54.00	-0.54	AVG	
3	X	2437.000	73.47	31.88	105.35	74.00	31.35	peak	No Limit
4	*	2437.000	65.85	31.88	97.73	54.00	43.73	AVG	No Limit
5		2483.800	36.02	32.06	68.08	74.00	-5.92	peak	
6		2483.800	17.96	32.06	50.02	54.00	-3.98	AVG	

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

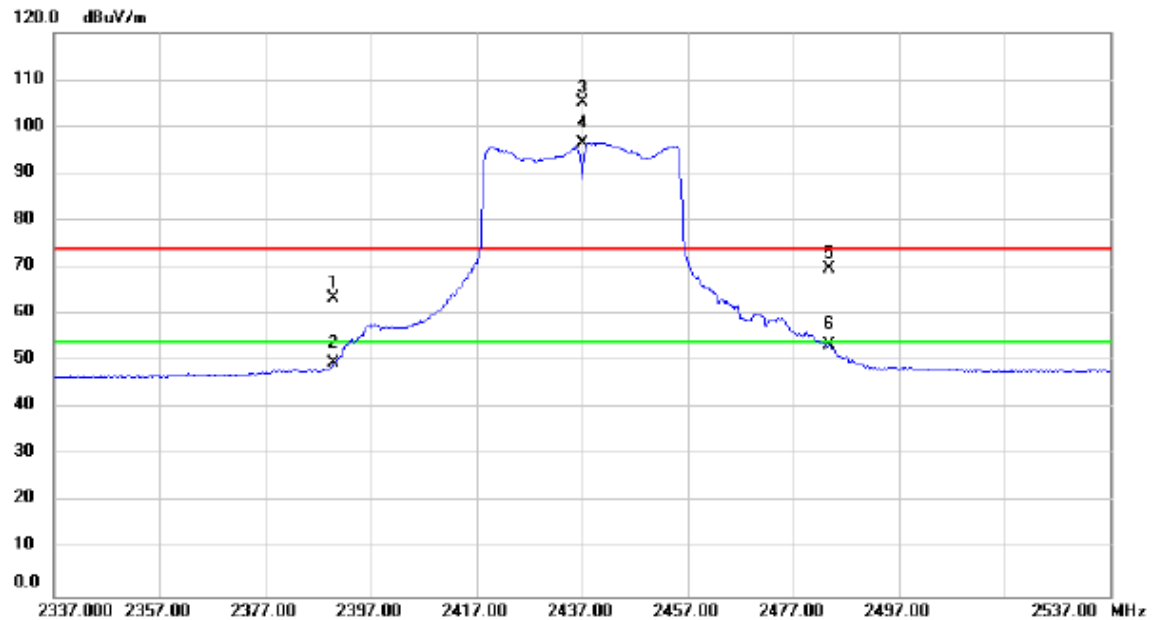
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	56.38	-10.40	45.98	74.00	-28.02	peak	
2	*	4874.000	43.28	-10.40	32.88	54.00	-21.12	AVG	

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

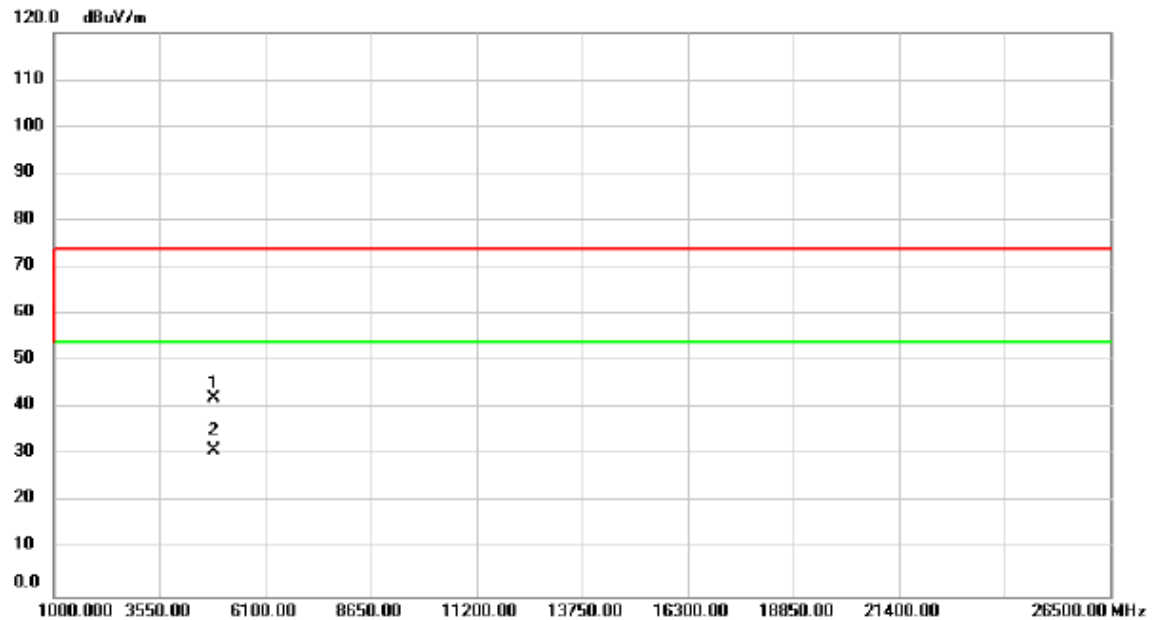
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	31.61	31.70	63.31	74.00	-10.69	peak	
2		2390.000	17.83	31.70	49.53	54.00	-4.47	AVG	
3	X	2437.000	73.16	31.88	105.04	74.00	31.04	peak	No Limit
4	*	2437.000	64.56	31.88	96.44	54.00	42.44	AVG	No Limit
5		2483.800	37.83	32.06	69.89	74.00	-4.11	peak	
6		2483.800	21.53	32.06	53.59	54.00	-0.41	AVG	

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

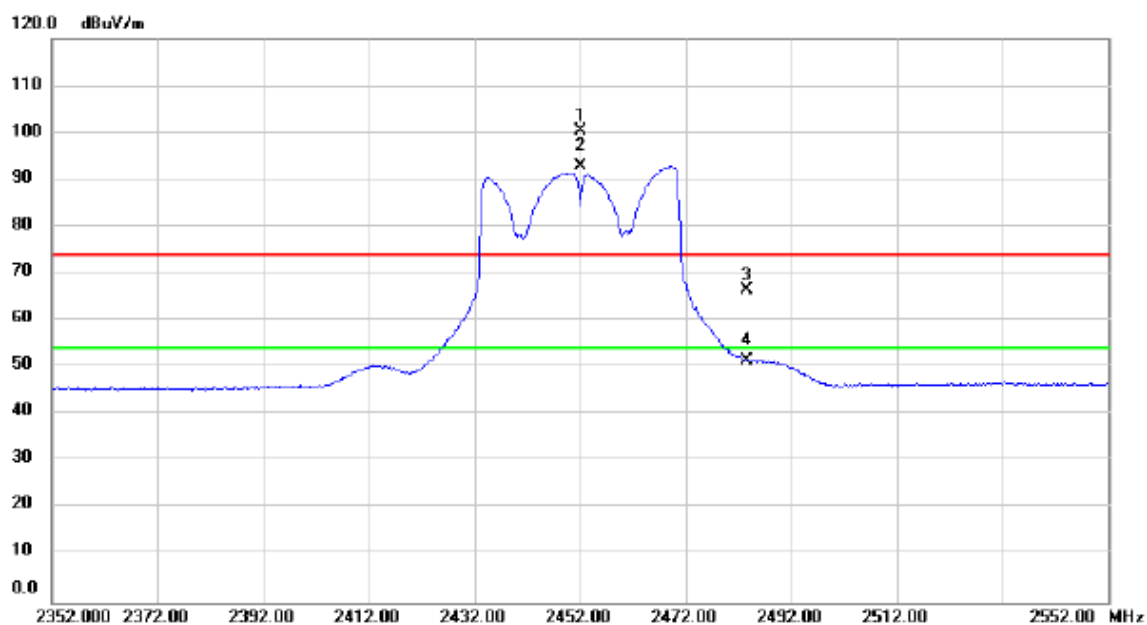
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	52.67	-10.40	42.27	74.00	-31.73	peak	
2	*	4874.000	41.50	-10.40	31.10	54.00	-22.90	AVG	

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

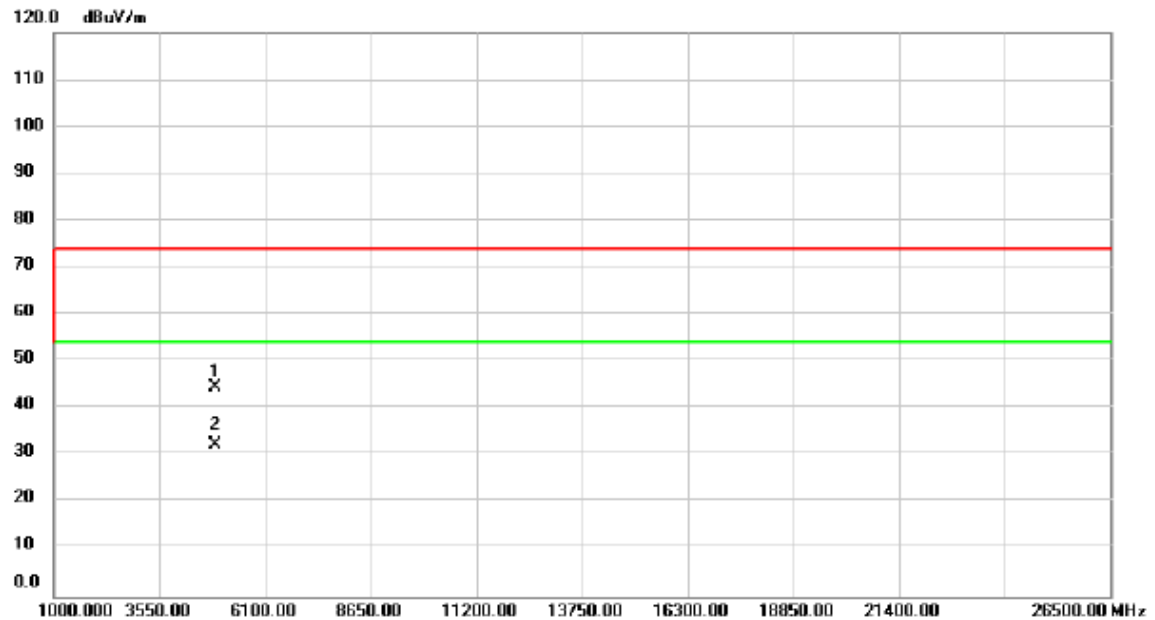
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2452.000	68.35	31.95	100.30	74.00	26.30	peak	No Limit
2	*	2452.000	60.86	31.95	92.81	54.00	38.81	AVG	No Limit
3		2483.600	34.39	32.06	66.45	74.00	-7.55	peak	
4		2483.600	19.50	32.06	51.56	54.00	-2.44	AVG	

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

### Vertical

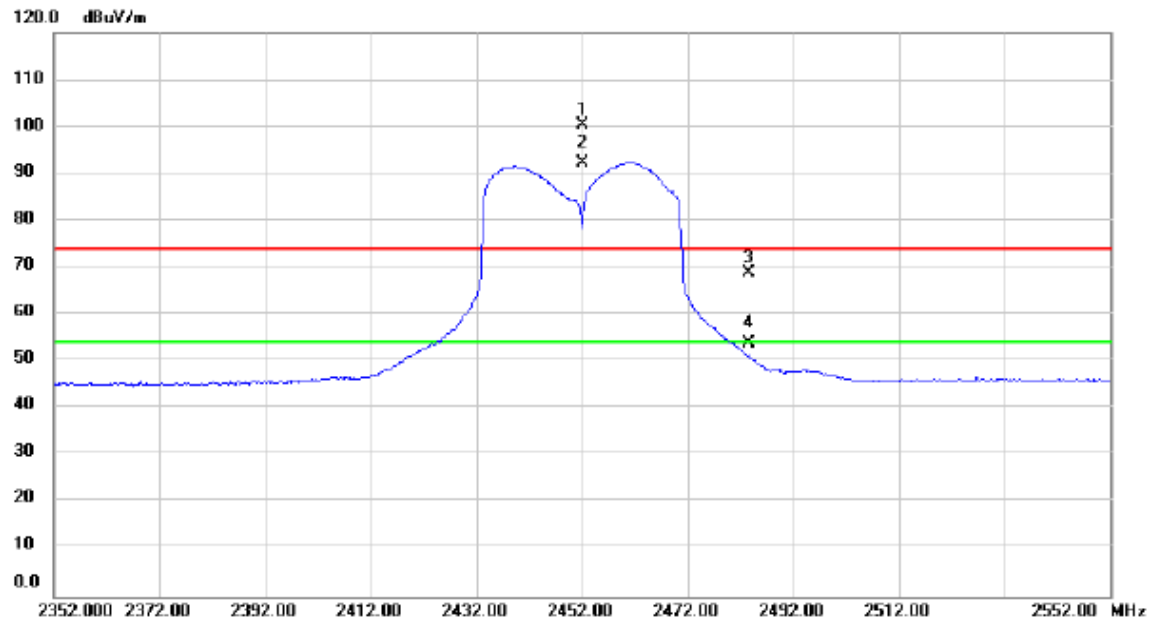


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4904.000	54.99	-10.35	44.64	74.00	-29.36	peak	
2	*	4904.000	42.65	-10.35	32.30	54.00	-21.70	AVG	



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

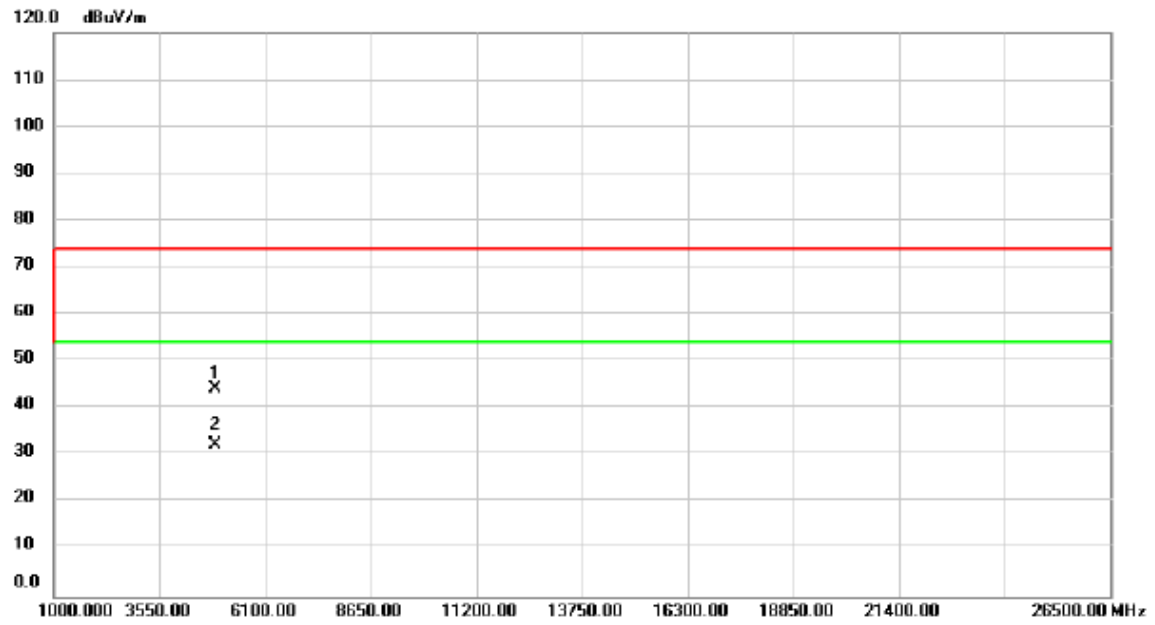
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2452.000	68.52	31.95	100.47	74.00	26.47	peak	No Limit
2	*	2452.000	60.35	31.95	92.30	54.00	38.30	AVG	No Limit
3		2483.600	36.94	32.06	69.00	74.00	-5.00	peak	
4		2483.600	21.90	32.06	53.96	54.00	-0.04	AVG	

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

### Horizontal



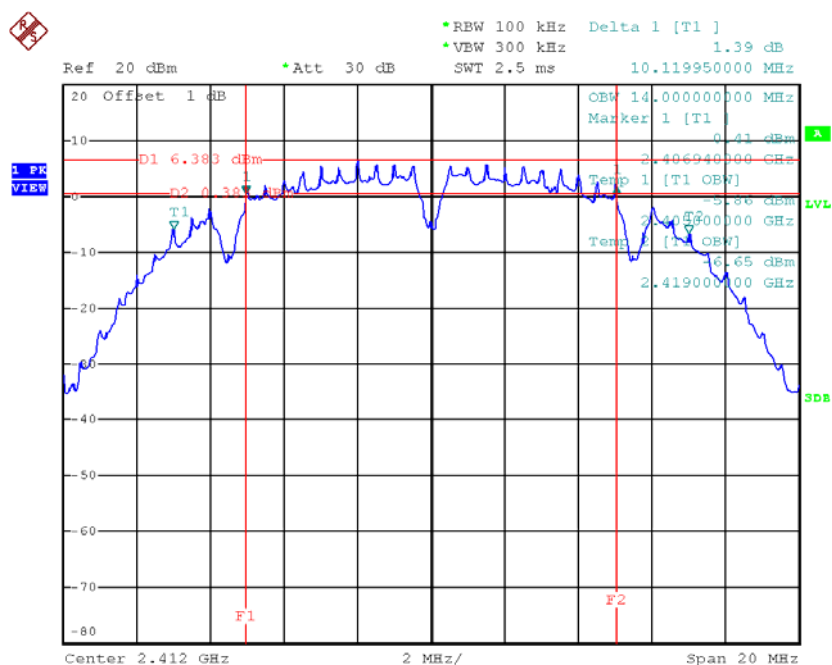
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4904.000	54.53	-10.35	44.18	74.00	-29.82	peak	
2	*	4904.000	42.63	-10.35	32.28	54.00	-21.72	AVG	

## ATTACHMENT E - BANDWIDTH

**Test Mode : TX B Mode\_CH01/06/11 Ant 1**

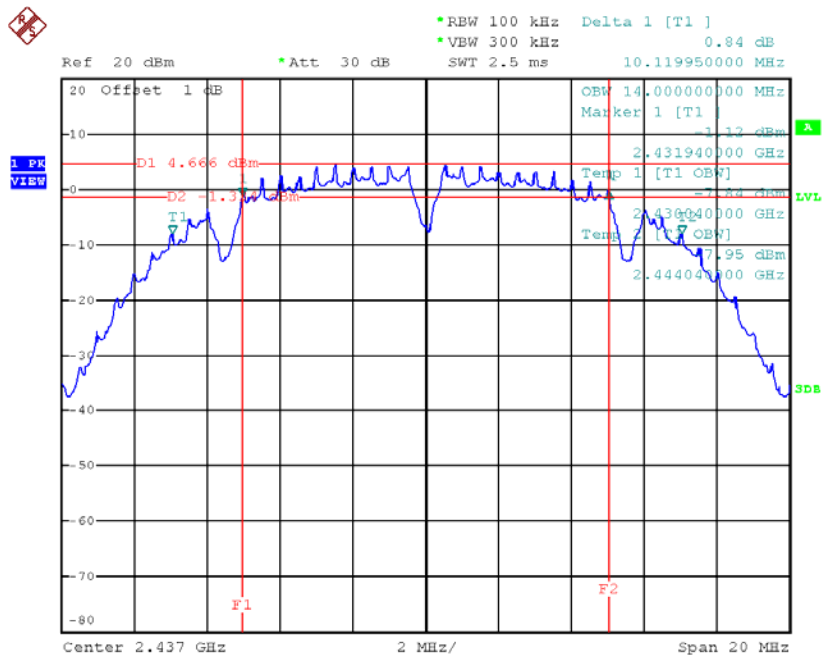
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.12	14.00	500	Complies
2437	10.12	14.00	500	Complies
2462	10.08	14.04	500	Complies

**TX CH01**



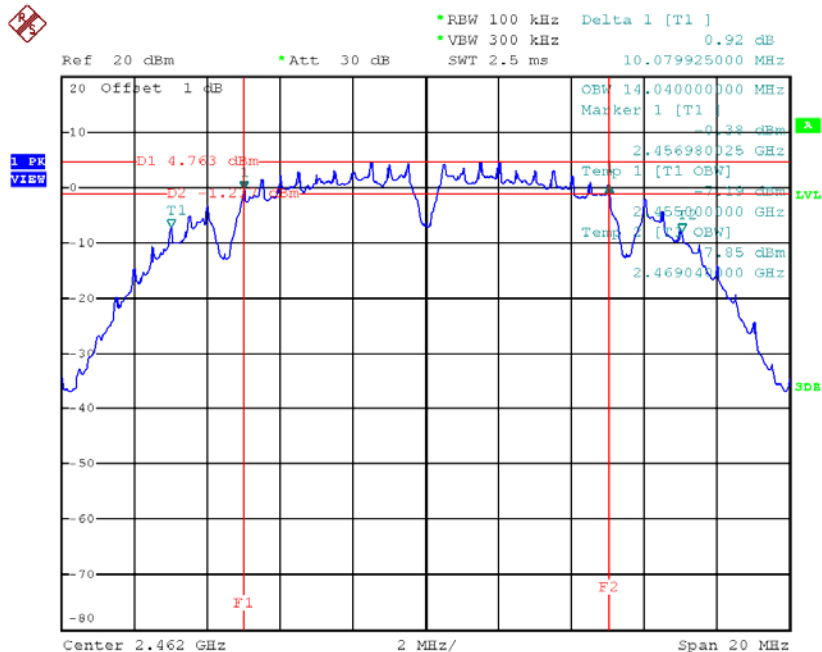
Date: 11.JUL.2016 14:36:34

# TX CH06



Date: 11.JUL.2016 14:38:43

# TX CH11

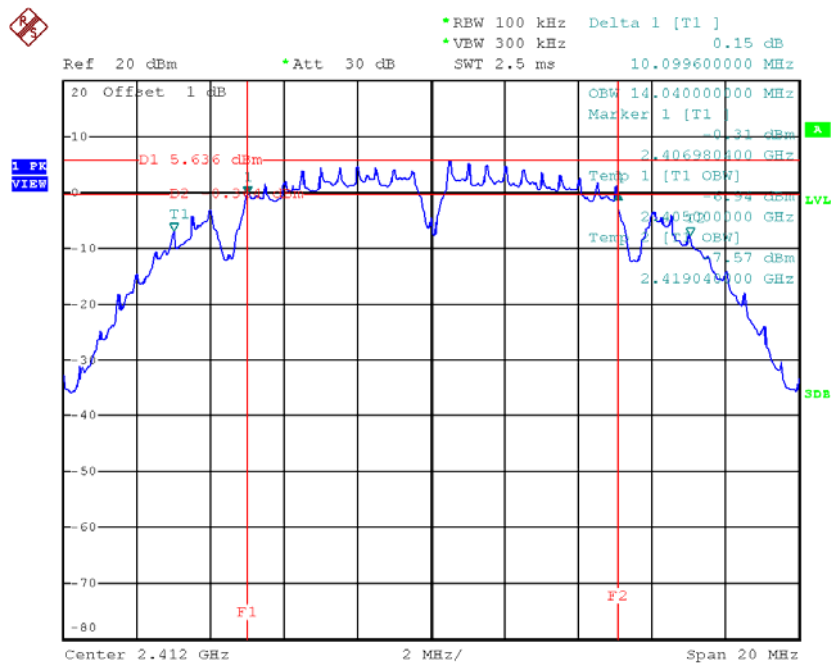


Date: 11.JUL.2016 14:40:08

Test Mode : TX B Mode\_CH01/06/11 Ant 2

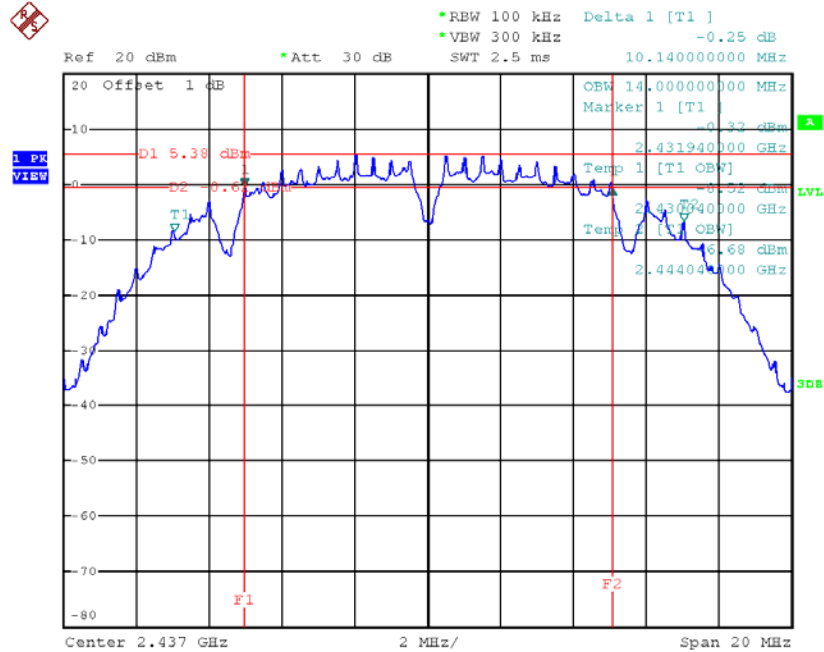
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.10	14.04	500	Complies
2437	10.14	14.00	500	Complies
2462	10.06	14.08	500	Complies

TX CH01



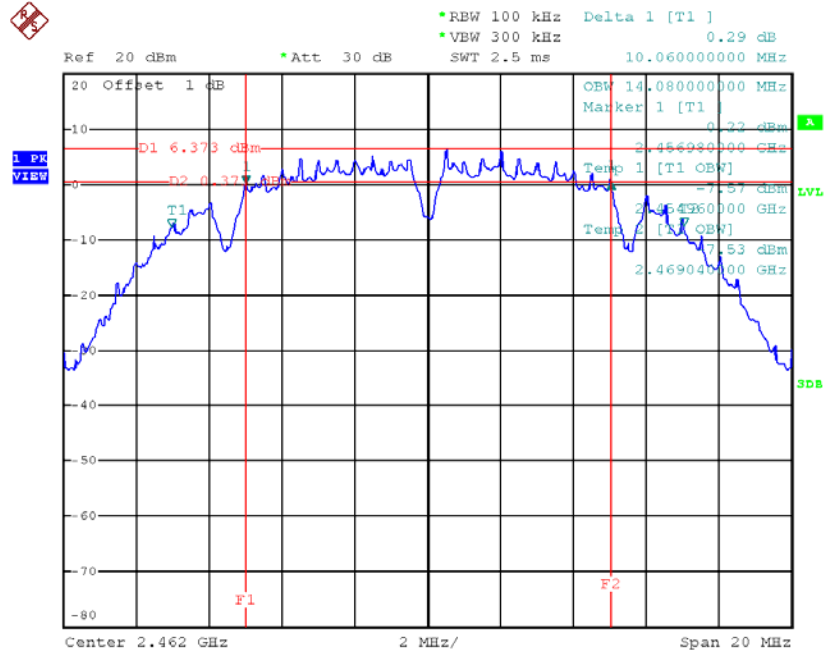
Date: 11.JUL.2016 15:32:58

### TX CH06



Date: 11.JUL.2016 15:34:50

### TX CH11

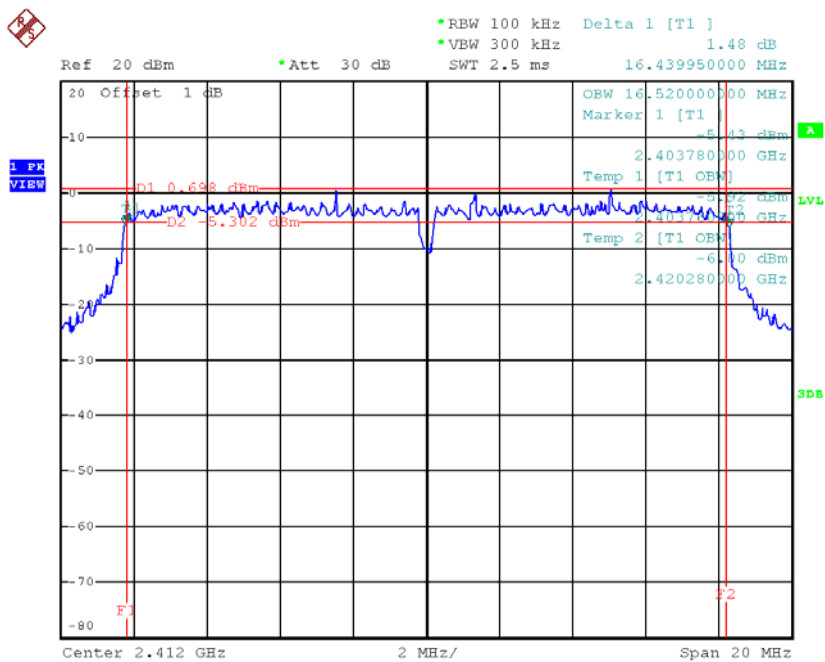


Date: 11.JUL.2016 15:36:37

Test Mode: TX G Mode\_CH01/06/11 Ant 1

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.44	16.52	500	Complies
2437	16.38	16.52	500	Complies
2462	16.44	16.52	500	Complies

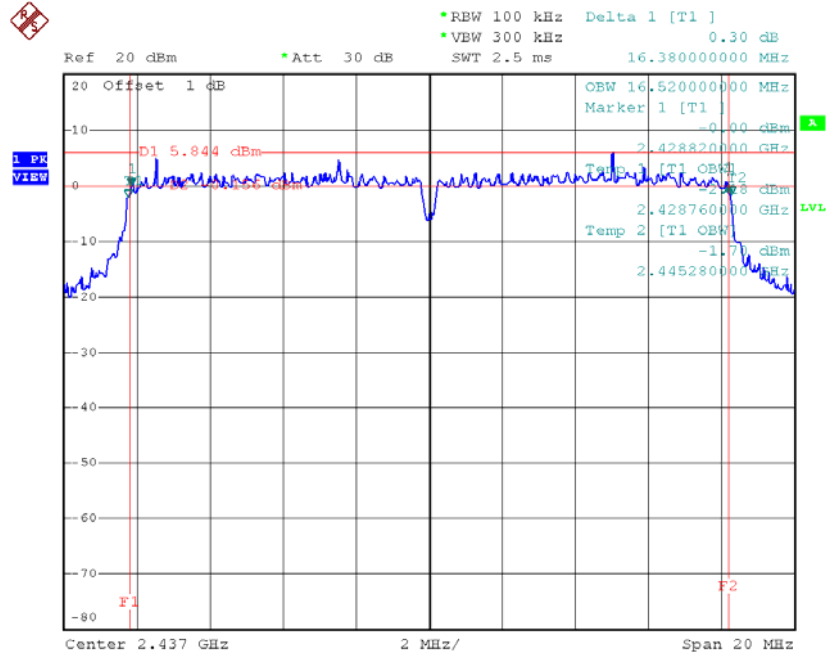
TX CH01



Date: 11.JUL.2016 15:05:02

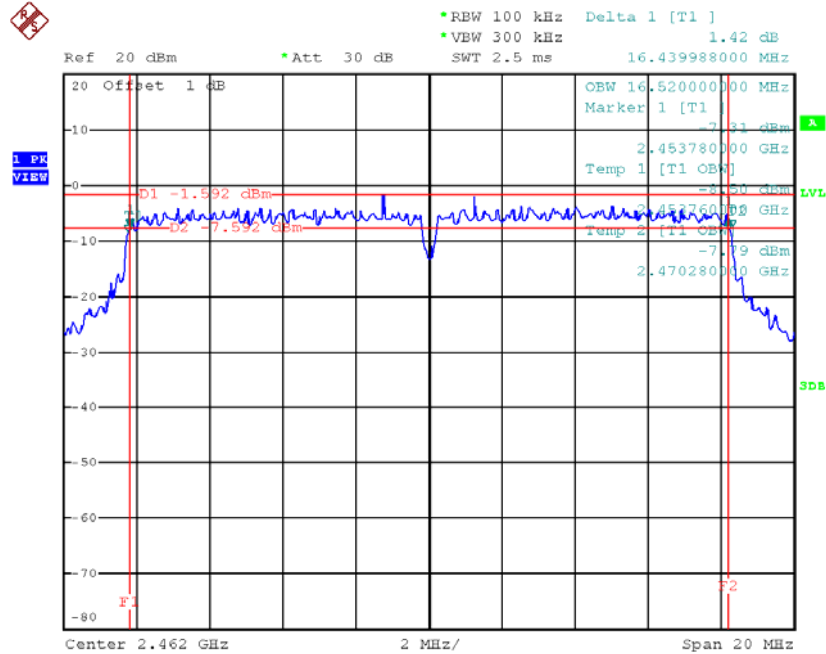


### TX CH06



Date: 25.JUN.2016 10:54:28

### TX CH11

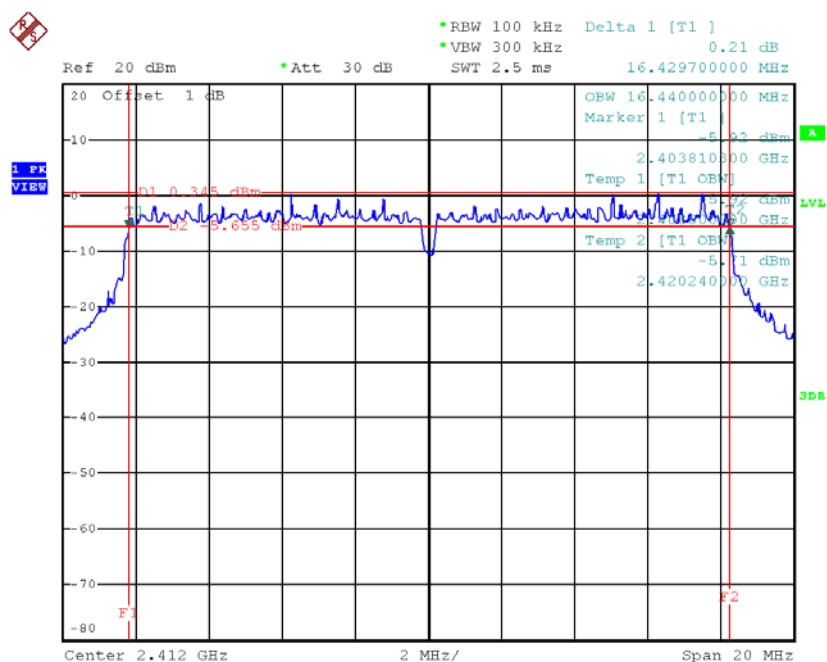


Date: 11.JUL.2016 15:06:40

Test Mode: TX G Mode\_CH01/06/11 Ant 2

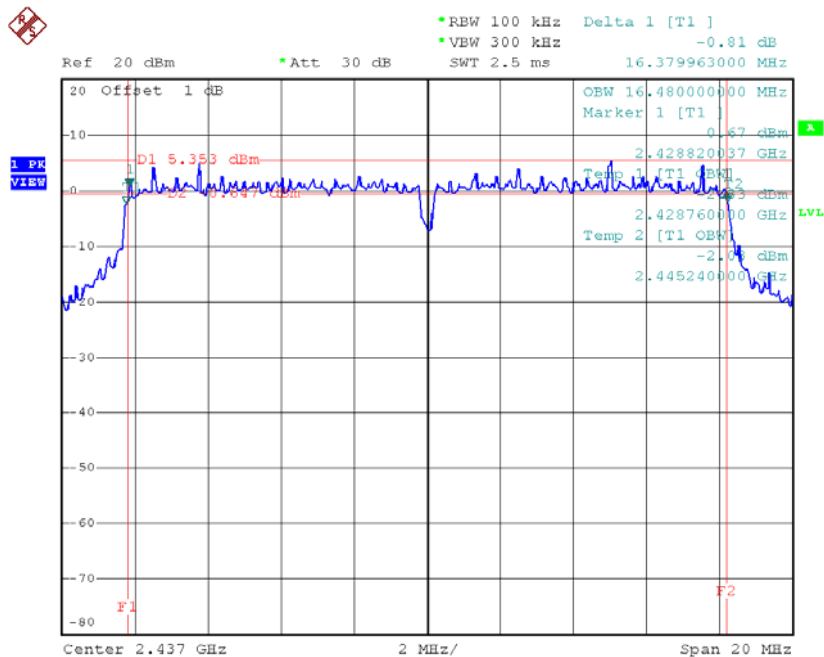
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.43	16.44	500	Complies
2437	16.38	16.48	500	Complies
2462	16.38	16.44	500	Complies

TX CH01



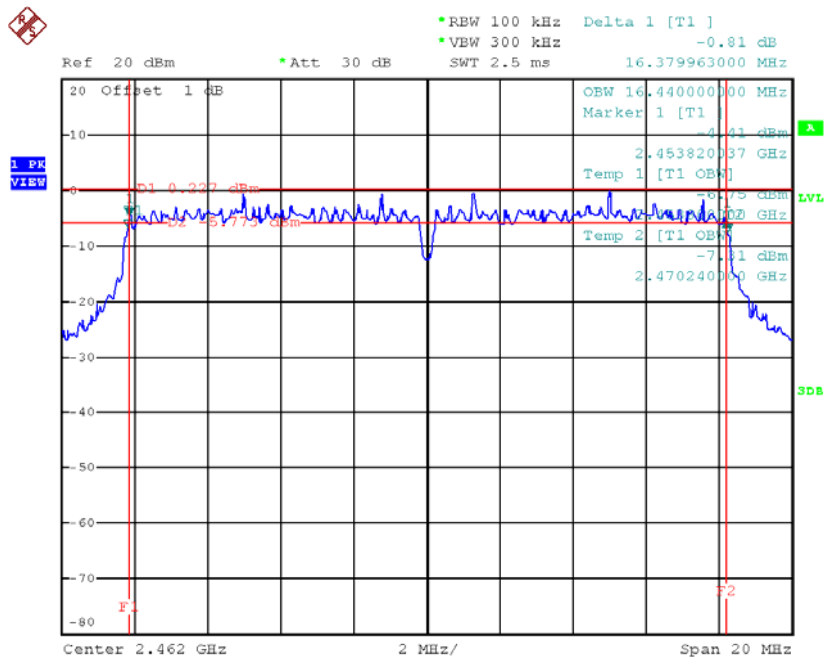
Date: 11.JUL.2016 15:40:43

# TX CH06



Date: 25.JUN.2016 10:23:40

# TX CH11

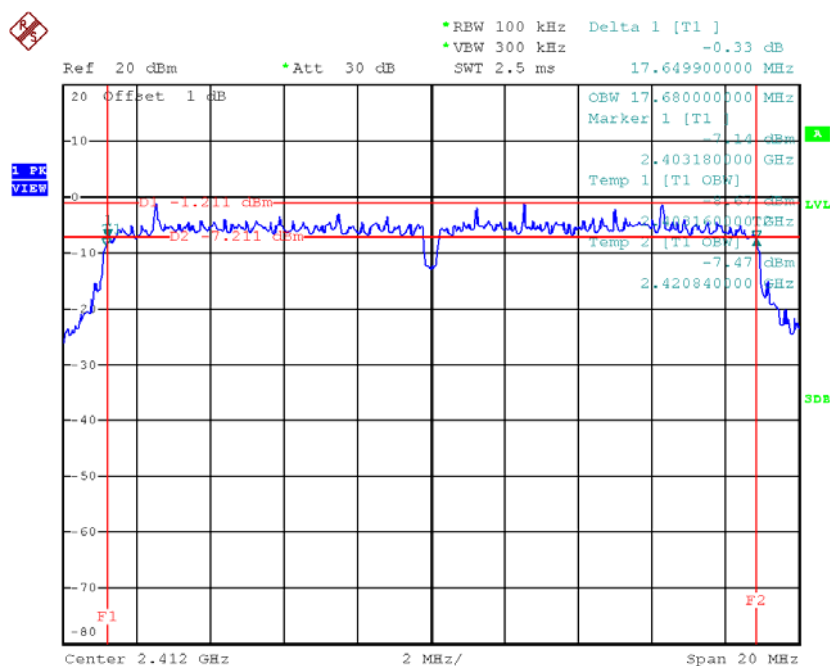


Date: 11.JUL.2016 15:42:51

**Test Mode : TX N-20MHz Mode\_CH01/06/11 Ant 1**

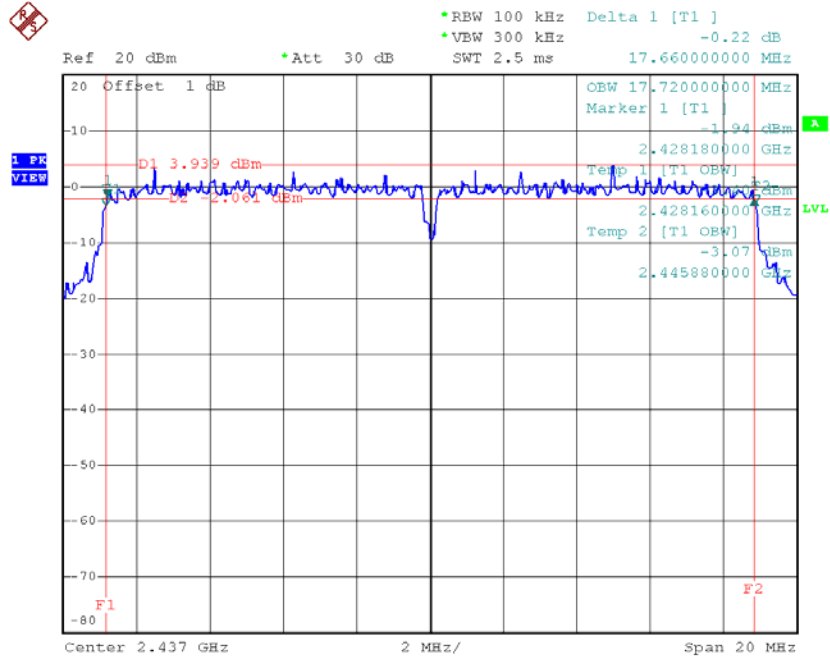
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.65	17.68	500	Complies
2437	17.66	17.72	500	Complies
2462	17.66	17.68	500	Complies

**TX CH01**



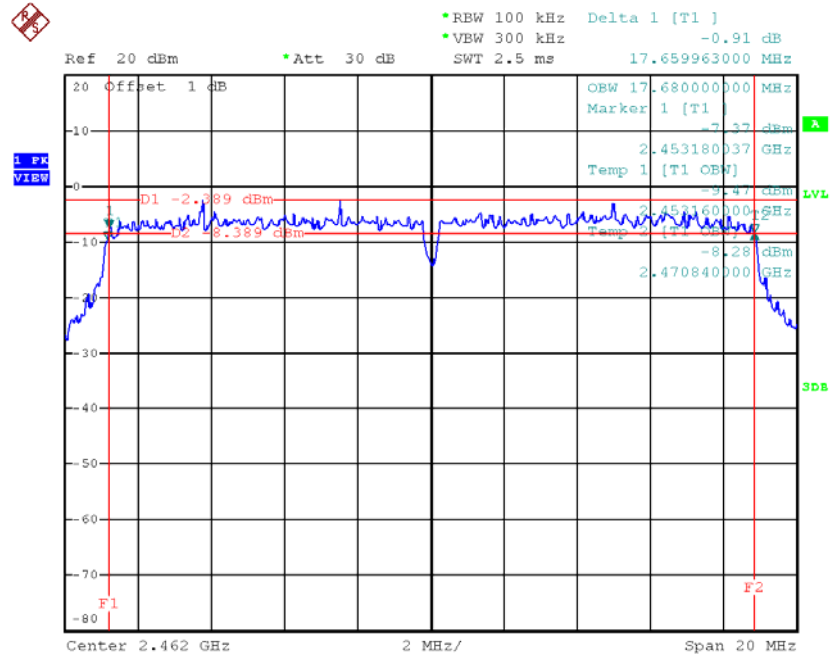
Date: 11.JUL.2016 15:09:25

### TX CH06



Date: 25.JUN.2016 10:57:57

### TX CH11

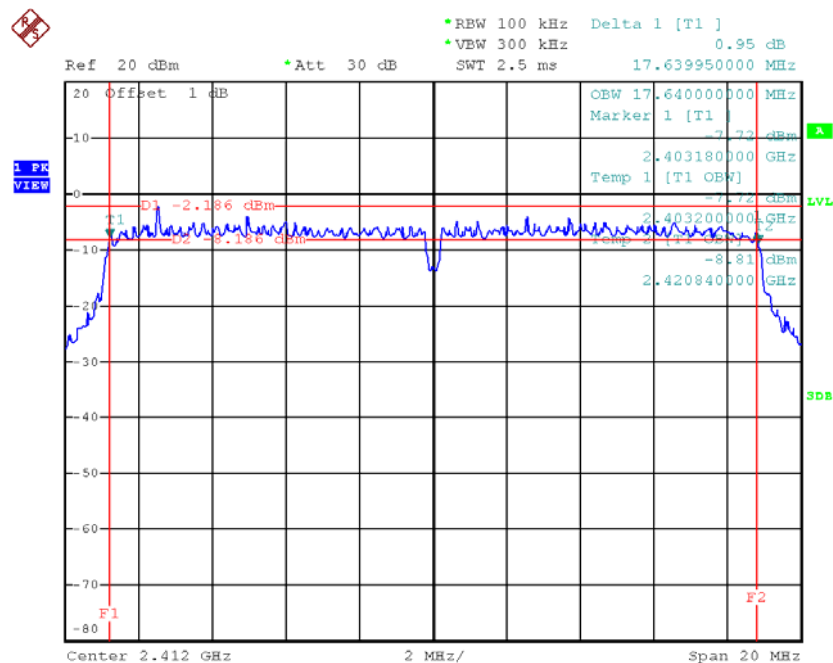


Date: 11.JUL.2016 15:10:40

Test Mode : TX N-20MHz Mode\_CH01/06/11 Ant 2

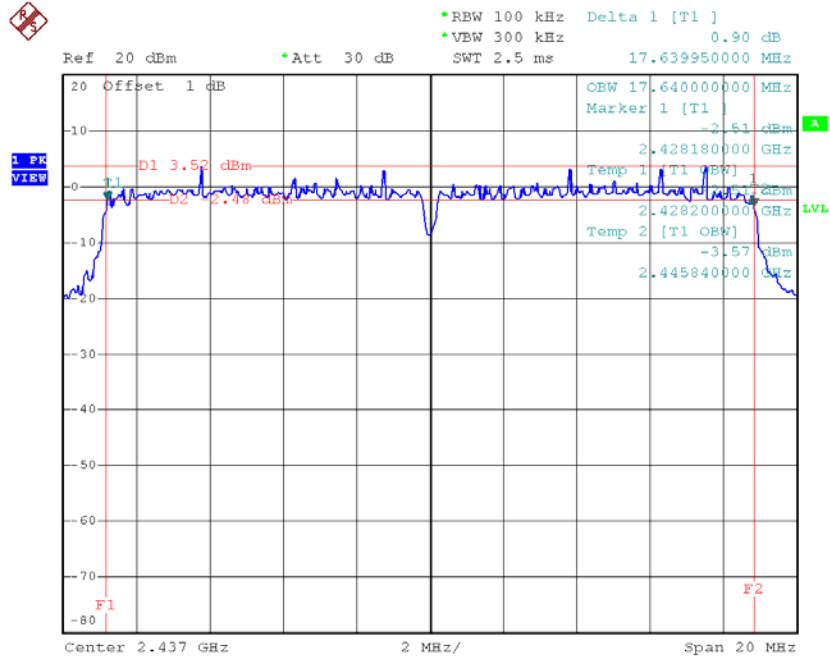
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.64	17.64	500	Complies
2437	17.64	17.64	500	Complies
2462	17.62	17.64	500	Complies

TX CH01



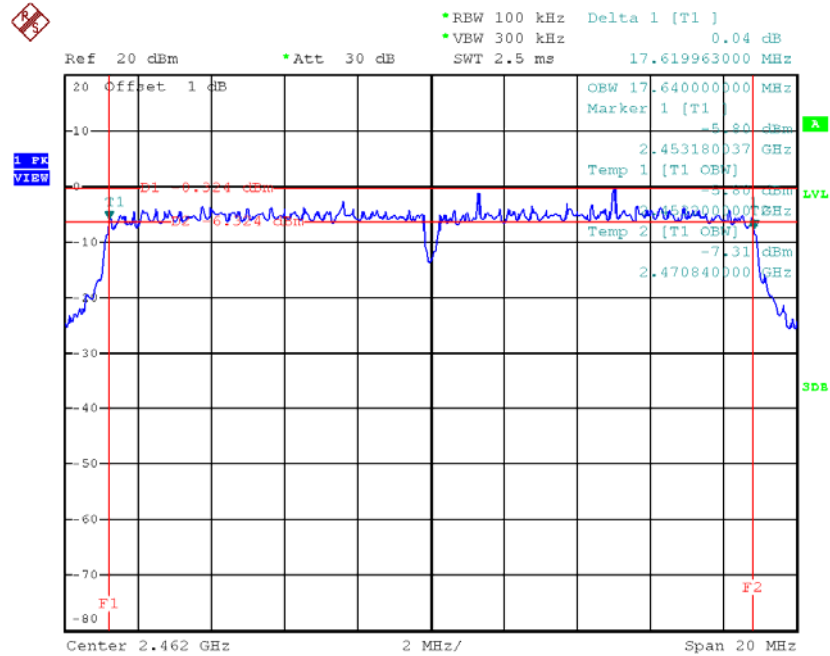
Date: 11.JUL.2016 15:44:18

### TX CH06



Date: 25.JUN.2016 10:27:58

### TX CH11

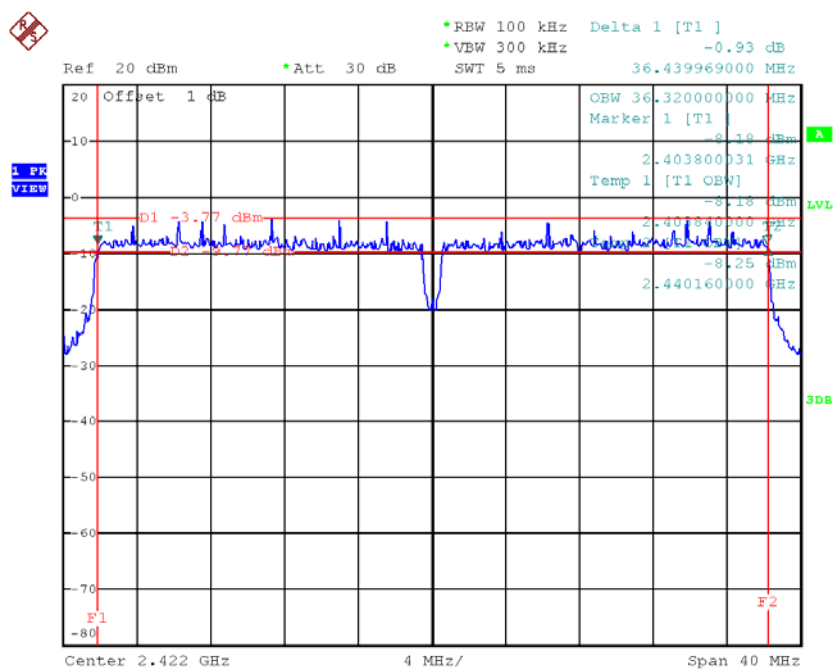


Date: 11.JUL.2016 15:46:51

Test Mode : TX N-40MHz Mode\_CH03/06/09 Ant 1

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.44	36.32	500	Complies
2437	36.44	36.32	500	Complies
2452	36.49	36.40	500	Complies

TX CH03



Date: 11.JUL.2016 15:13:45

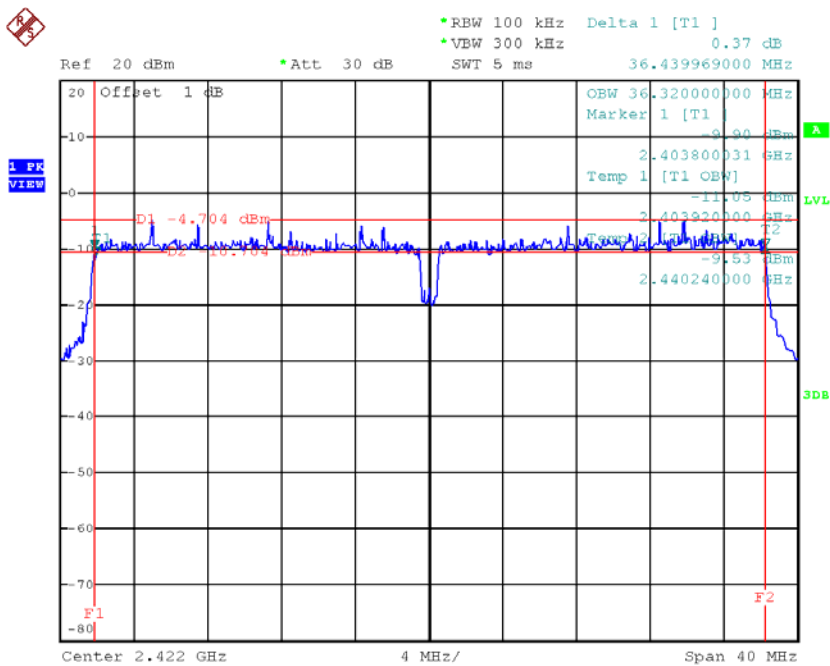




Test Mode : TX N-40MHz Mode\_CH03/06/09 Ant 2

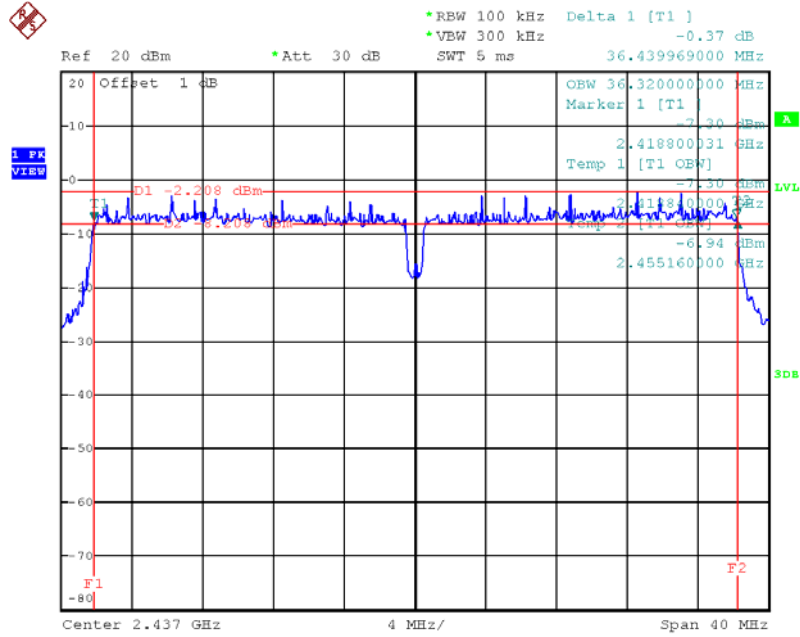
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.44	36.32	500	Complies
2437	36.44	36.32	500	Complies
2452	36.48	36.40	500	Complies

TX CH03



Date: 11.JUL.2016 15:21:46

### TX CH06



## 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	19.01	0.0796	30.00	1.00	Complies
2437	17.73	0.0593	30.00	1.00	Complies
2462	17.44	0.0555	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11 Ant 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.87	0.0486	30.00	1.00	Complies
2437	16.75	0.0473	30.00	1.00	Complies
2462	17.46	0.0557	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11 Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.08	0.1283	30.00	1.00	Complies
2437	20.28	0.1066	30.00	1.00	Complies
2462	20.46	0.1112	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	21.47	0.1403	30.00	1.00	Complies
2437	23.13	0.2056	30.00	1.00	Complies
2462	20.90	0.1230	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11 Ant 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.56	0.1138	30.00	1.00	Complies
2437	22.67	0.1849	30.00	1.00	Complies
2462	20.77	0.1194	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11 Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.05	0.2540	30.00	1.00	Complies
2437	25.92	0.3905	30.00	1.00	Complies
2462	23.85	0.2424	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	21.54	0.1426	30.00	1.00	Complies
2437	22.69	0.1858	30.00	1.00	Complies
2462	18.84	0.0766	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	19.42	0.0875	30.00	1.00	Complies
2437	22.27	0.1687	30.00	1.00	Complies
2462	20.34	0.1081	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	23.62	0.2301	30.00	1.00	Complies
2437	25.50	0.3544	30.00	1.00	Complies
2462	22.66	0.1847	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	21.14	0.1300	30.00	1.00	Complies
2437	22.37	0.1726	30.00	1.00	Complies
2452	17.54	0.0568	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	19.31	0.0853	30.00	1.00	Complies
2437	21.01	0.1262	30.00	1.00	Complies
2452	18.31	0.0678	30.00	1.00	Complies

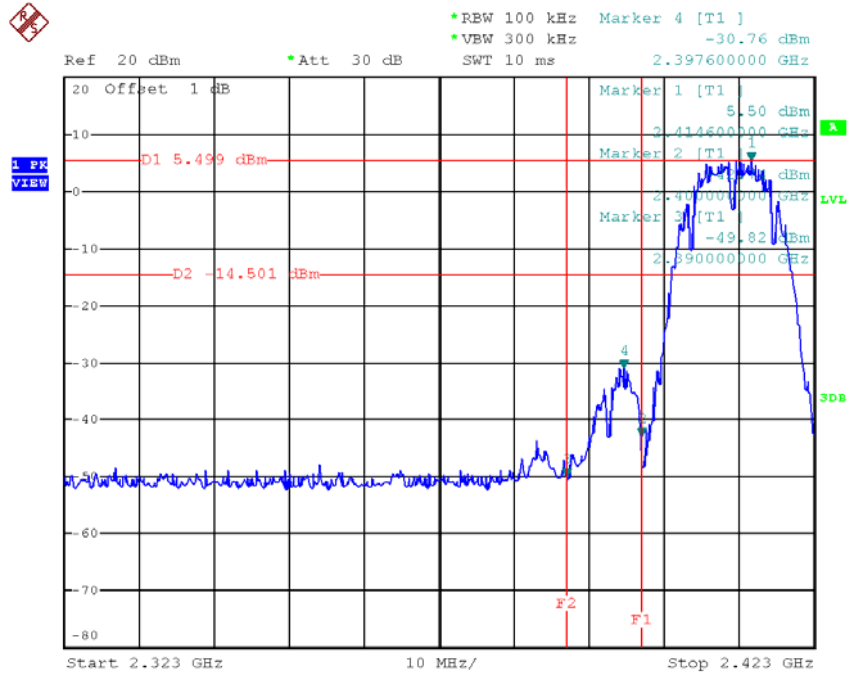
Test Mode :TX N40 Mode_CH03/06/09 Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.33	0.2153	30.00	1.00	Complies
2437	24.75	0.2988	30.00	1.00	Complies
2452	20.95	0.1245	30.00	1.00	Complies



## **ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION**

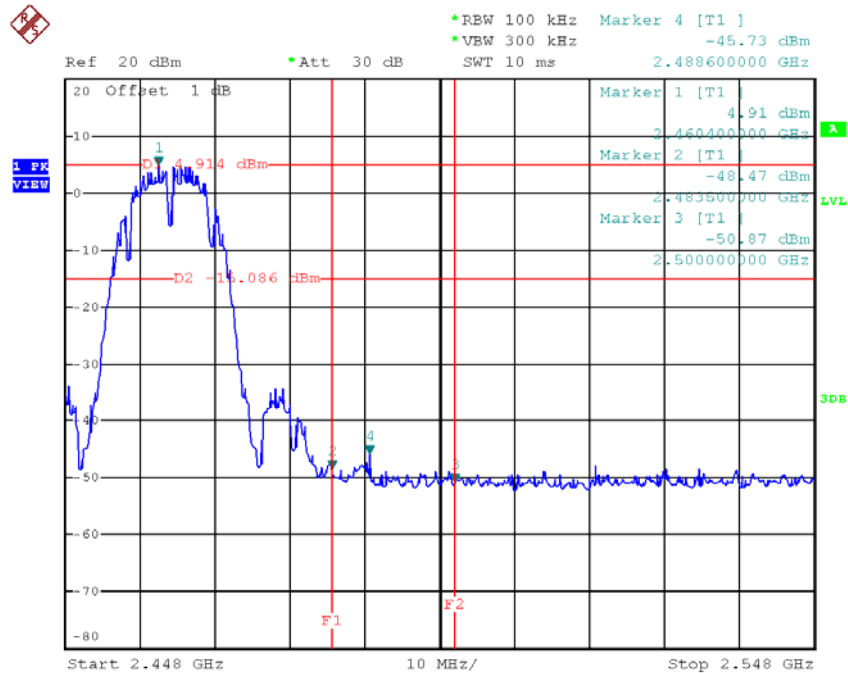
Test Mode : TX B Mode Ant 1

### TX B mode CH01



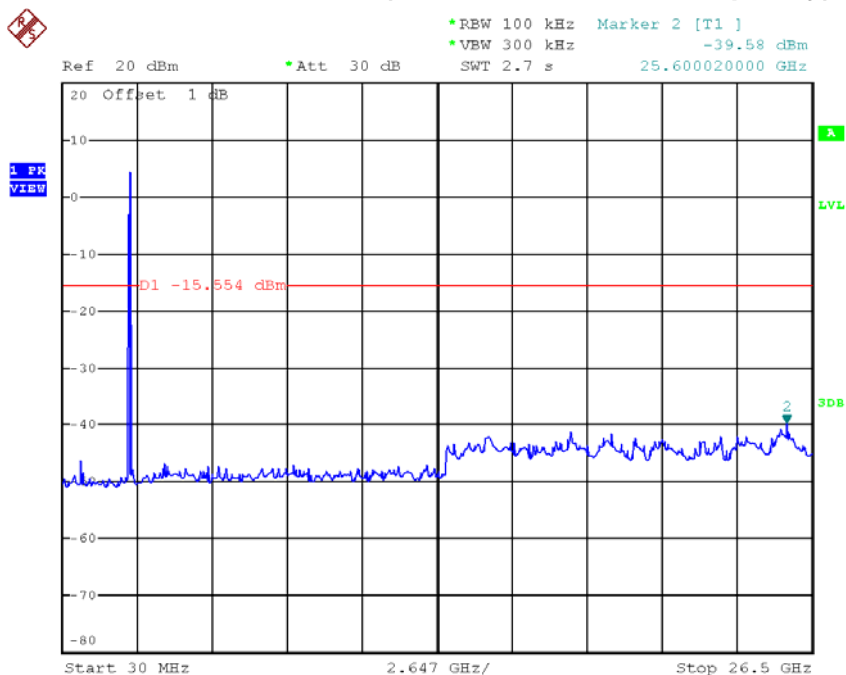
Date: 11.JUL.2016 14:37:11

### TX B mode CH11



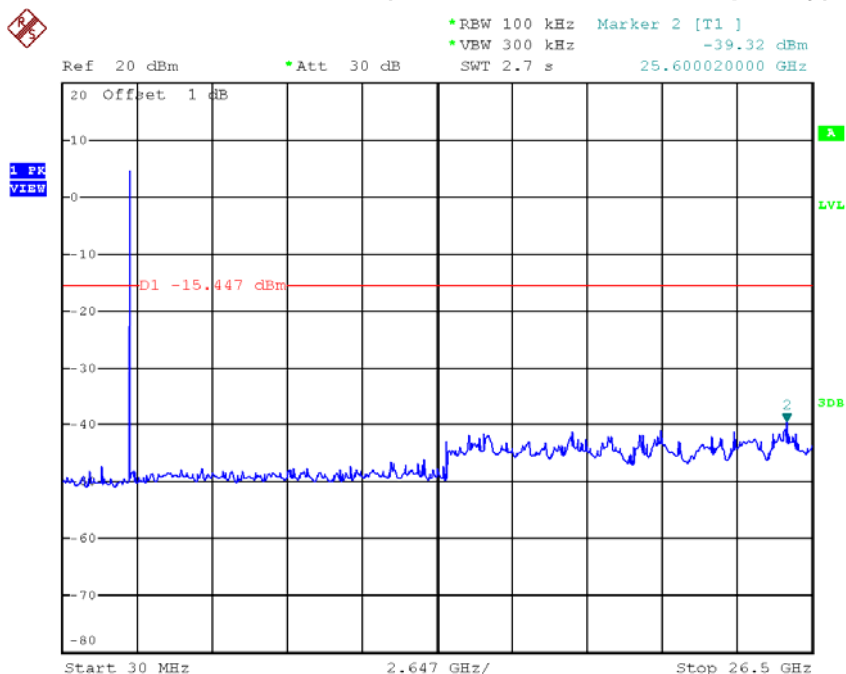
Date: 11.JUL.2016 14:40:29

### TX B mode CH01 (10<sup>th</sup> Harmonic of the frequency)



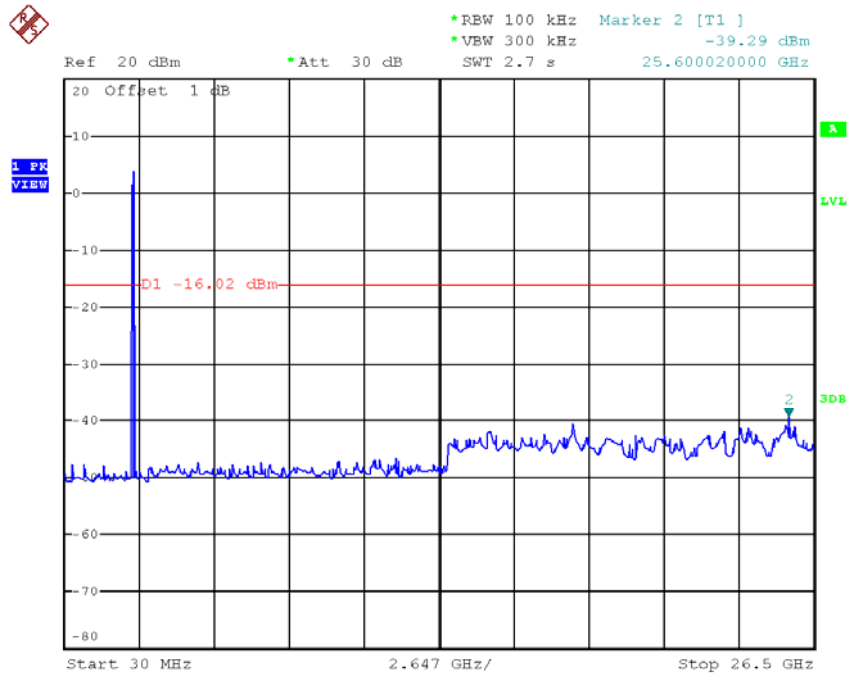
Date: 11.JUL.2016 14:36:47

### TX B mode CH06 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 14:38:56

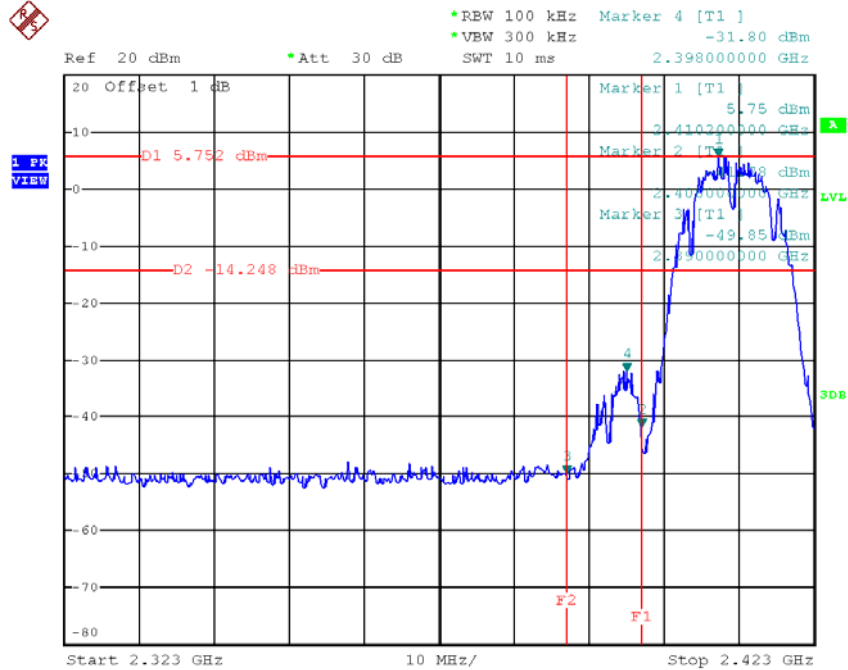
# TX B mode CH11 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 14:40:22

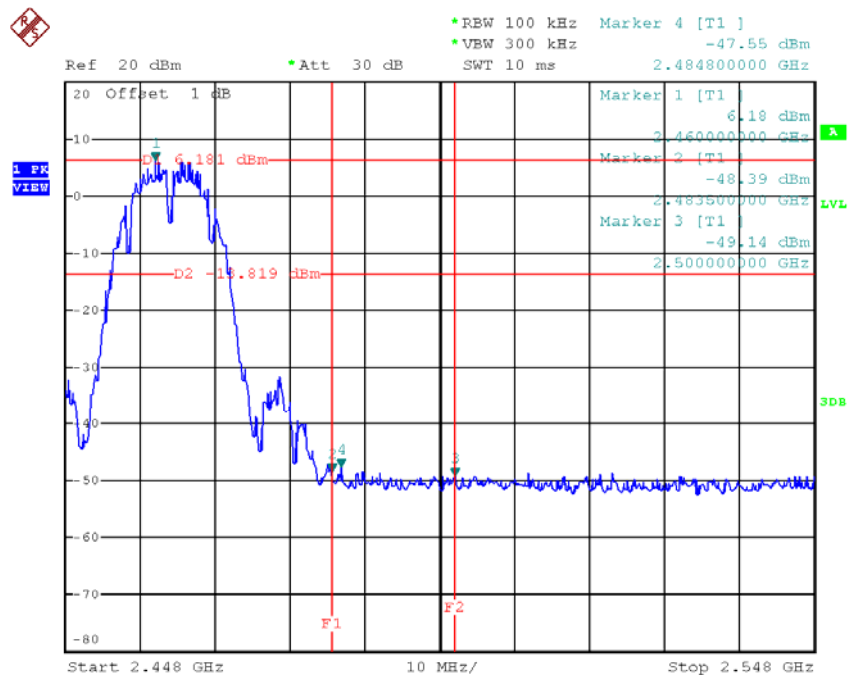
Test Mode : TX B Mode Ant 2

### TX B mode CH01



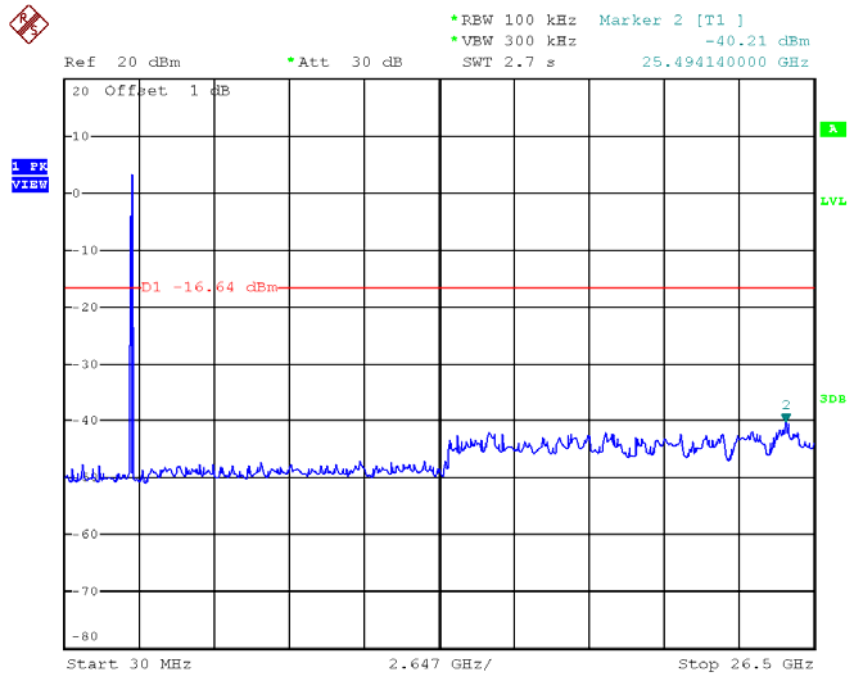
Date: 11.JUL.2016 15:33:35

### TX B mode CH11



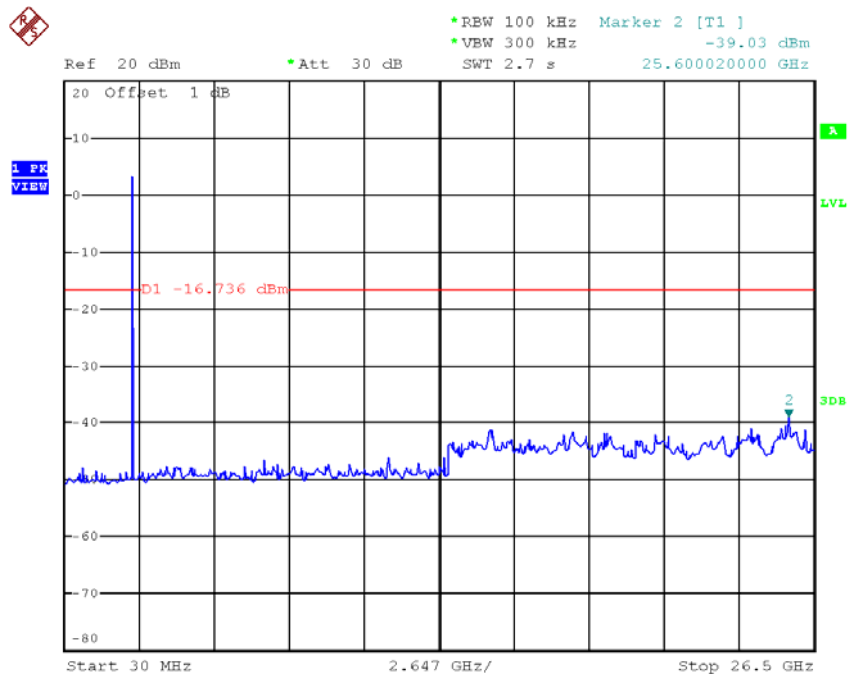
Date: 11.JUL.2016 15:36:57

### TX B mode CH01 (10<sup>th</sup> Harmonic of the frequency)



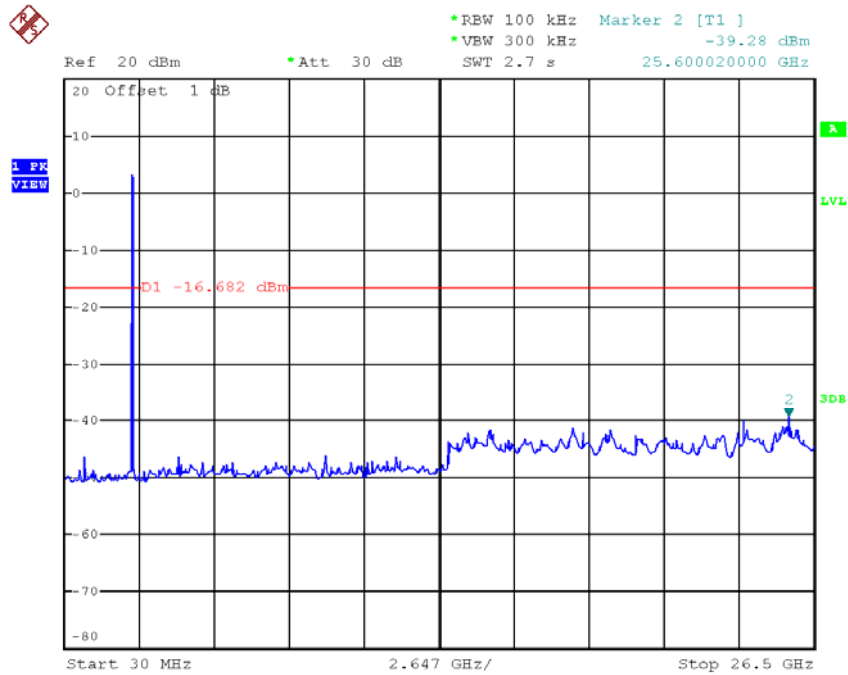
Date: 11.JUL.2016 15:33:11

### TX B mode CH06 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 15:35:03

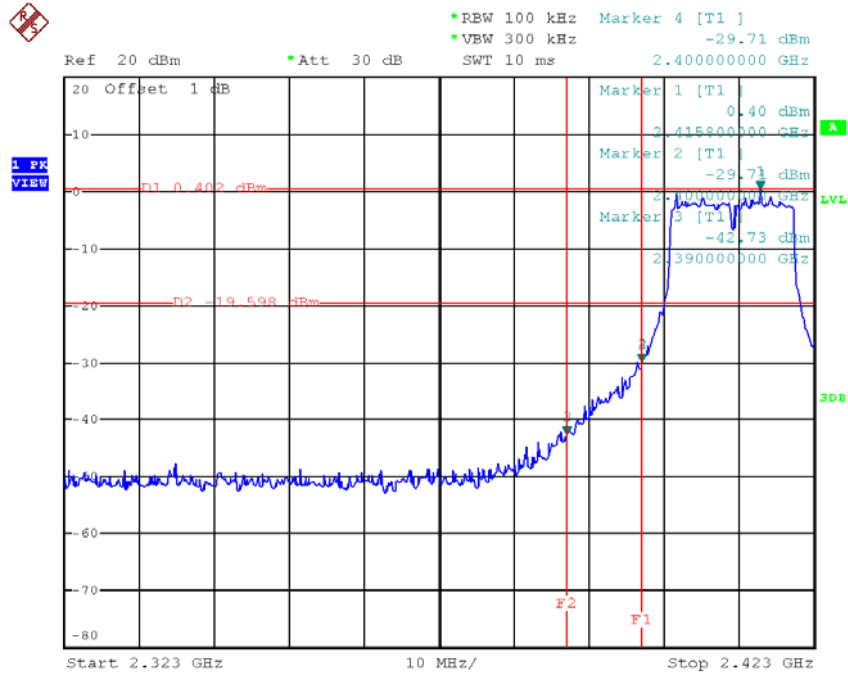
# TX B mode CH11 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 15:36:50

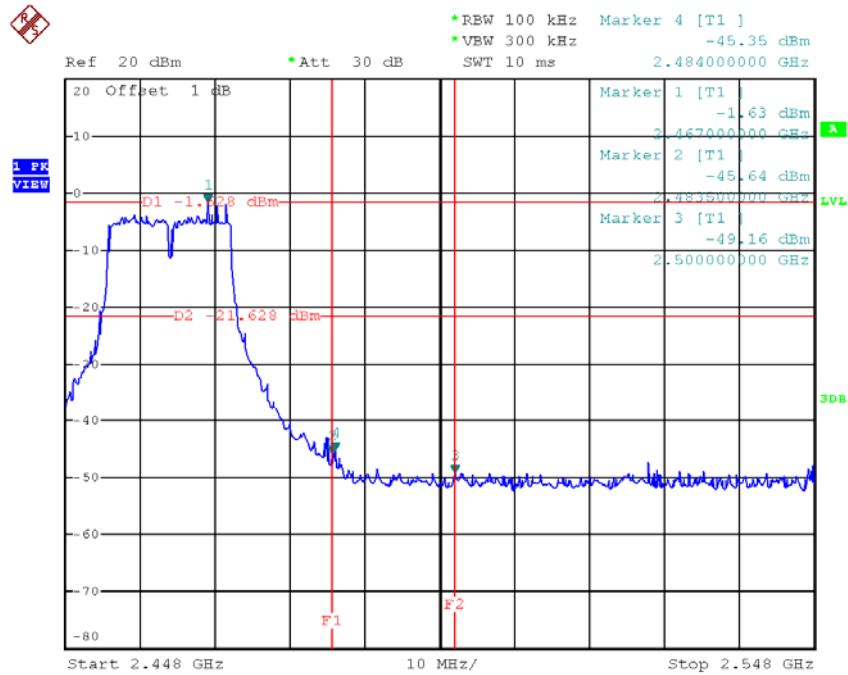
Test Mode : TX G Mode Ant 1

### TX G mode CH01



Date: 11.JUL.2016 15:05:39

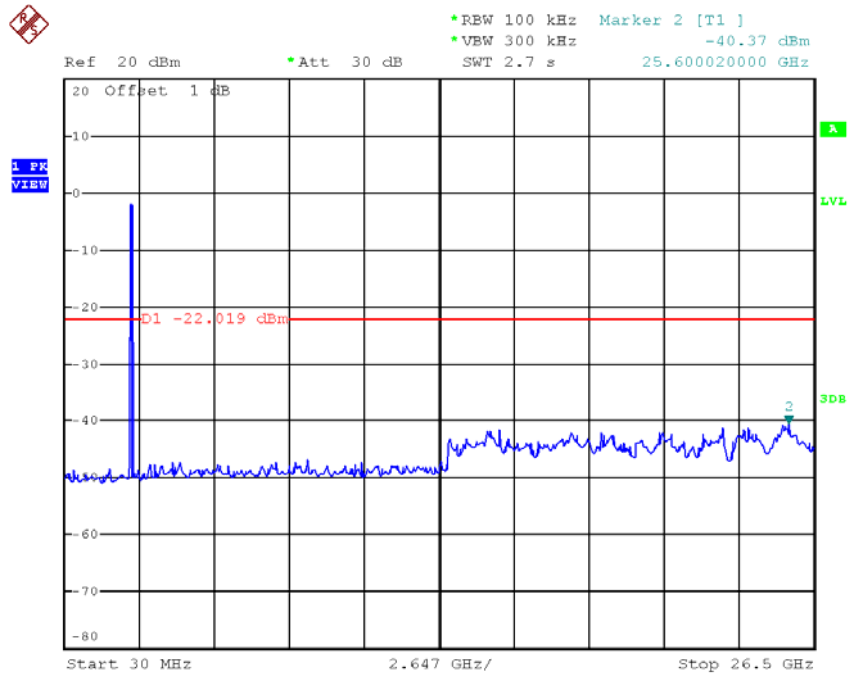
### TX G mode CH11



Date: 11.JUL.2016 15:07:00

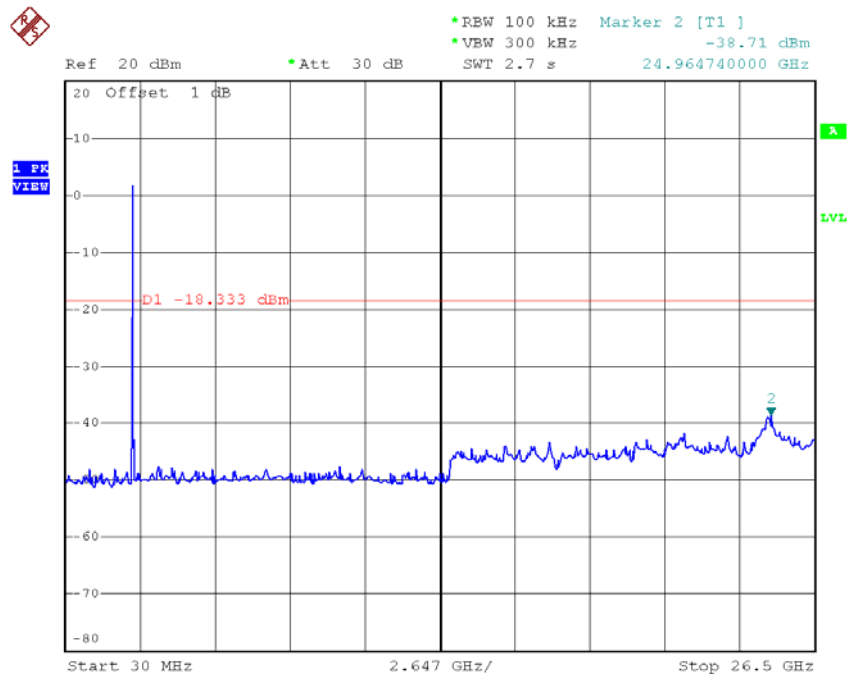


### TX G mode CH01 (10<sup>th</sup> Harmonic of the frequency)



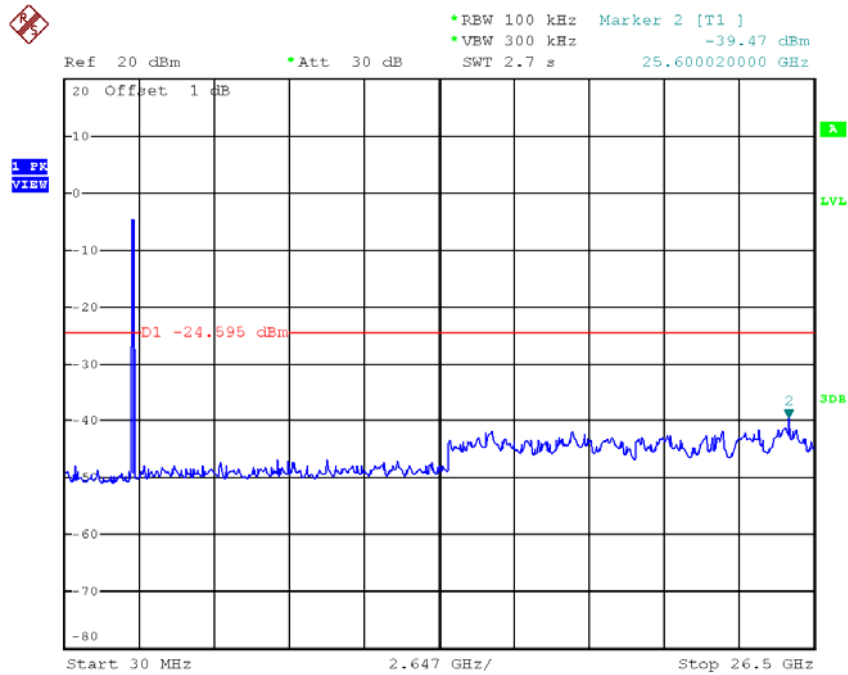
Date: 11.JUL.2016 15:05:15

### TX G mode CH06 (10<sup>th</sup> Harmonic of the frequency)



Date: 25.JUN.2016 10:54:40

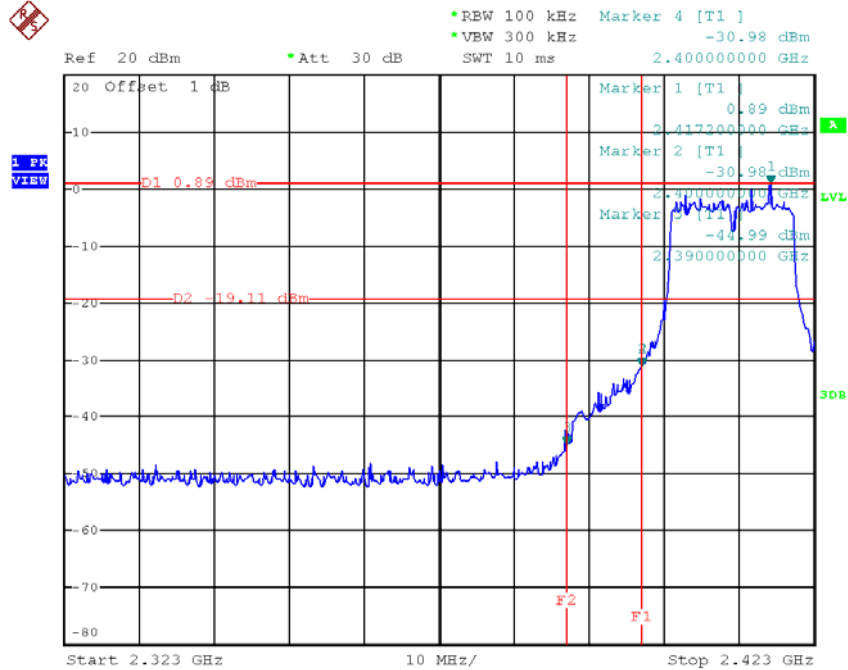
# TX G mode CH11 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 15:06:53

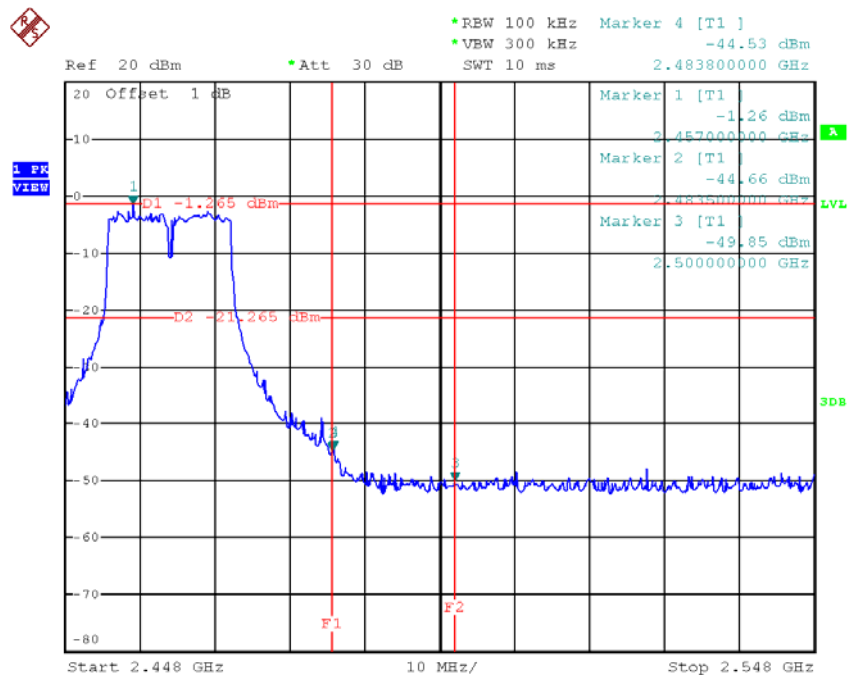
Test Mode : TX G Mode Ant 2

### TX G mode CH01



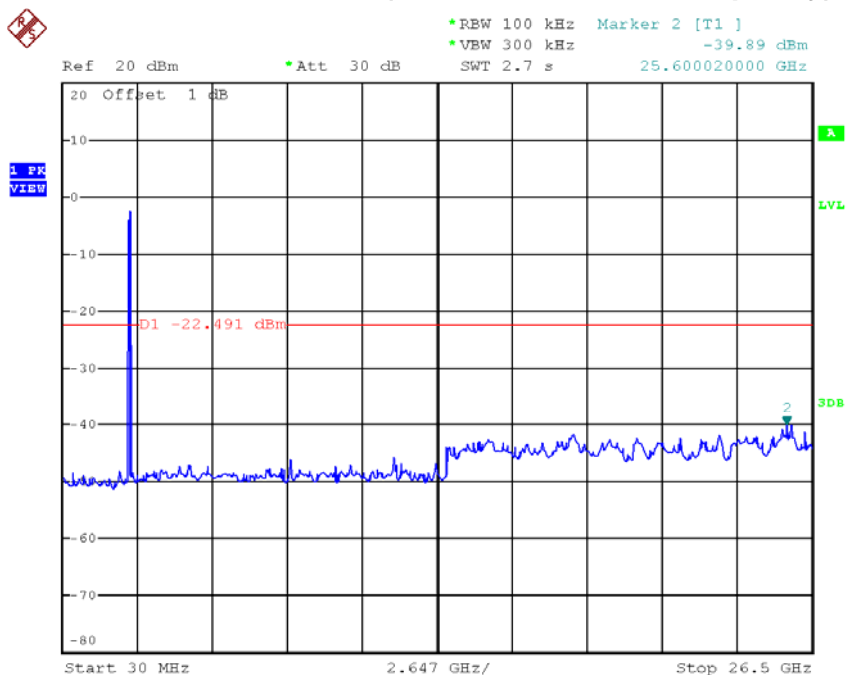
Date: 11.JUL.2016 15:41:20

### TX G mode CH11



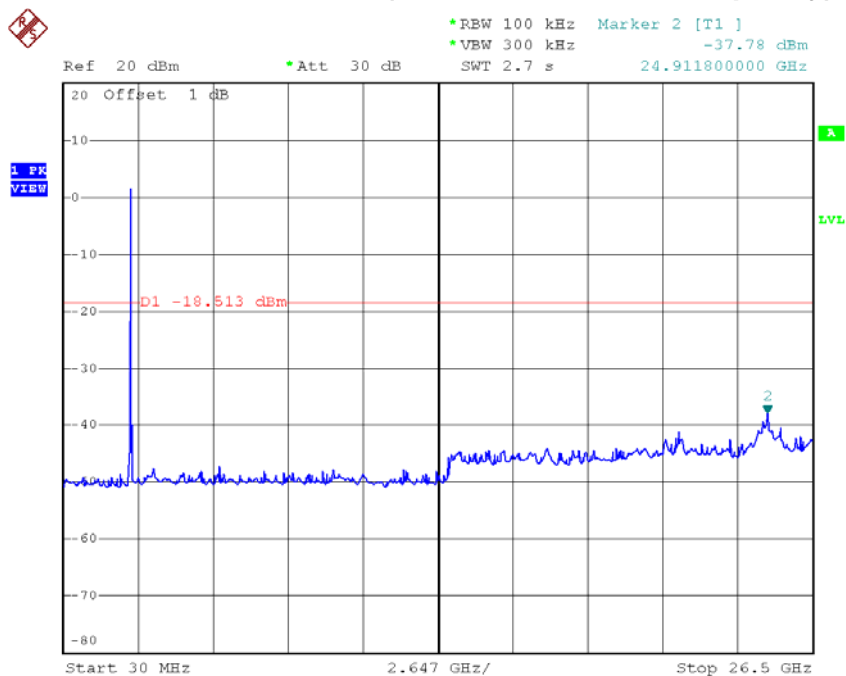
Date: 11.JUL.2016 15:43:12

### TX G mode CH01 (10<sup>th</sup> Harmonic of the frequency)



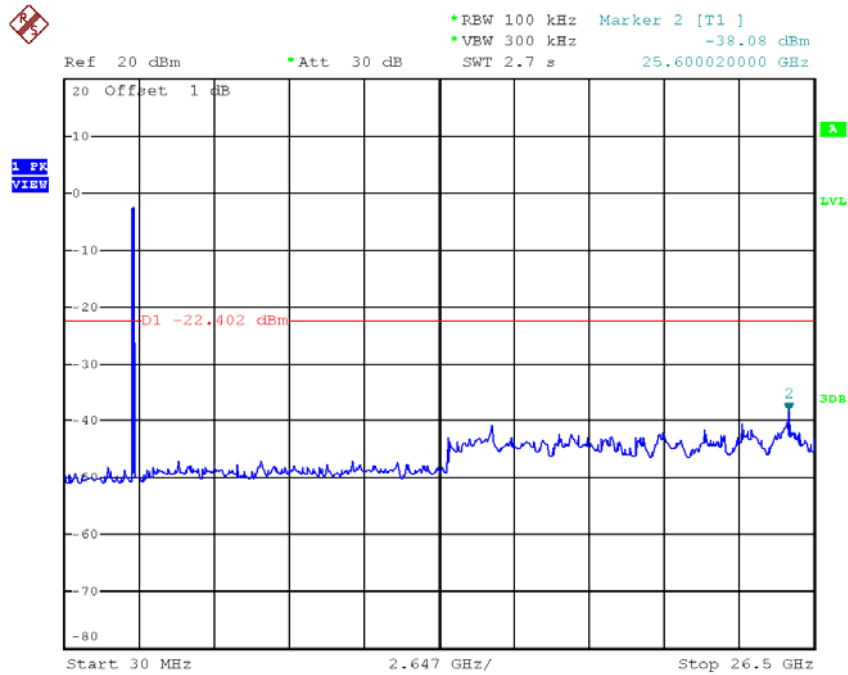
Date: 11.JUL.2016 15:40:56

### TX G mode CH06 (10<sup>th</sup> Harmonic of the frequency)



Date: 25.JUN.2016 10:23:53

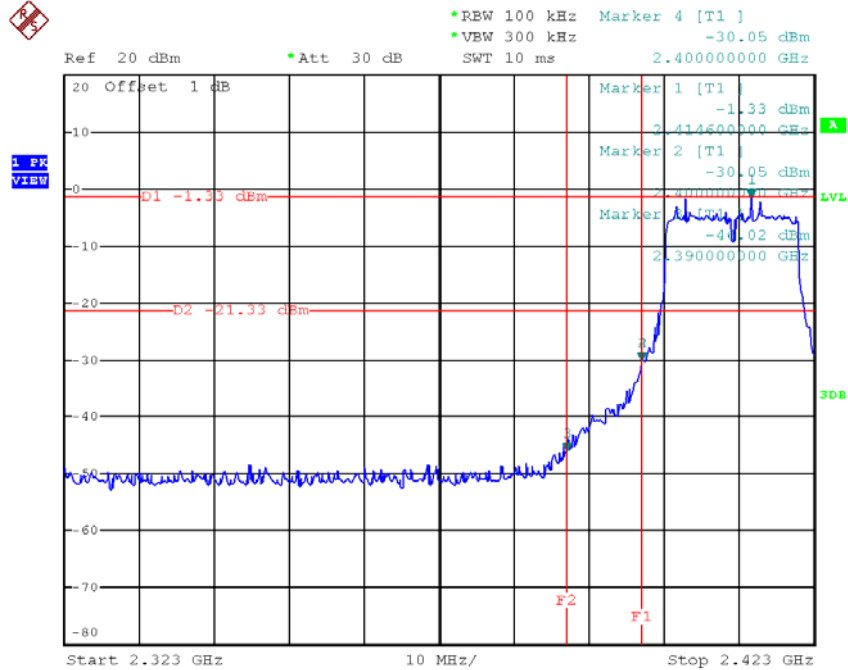
### TX G mode CH11 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 15:43:05

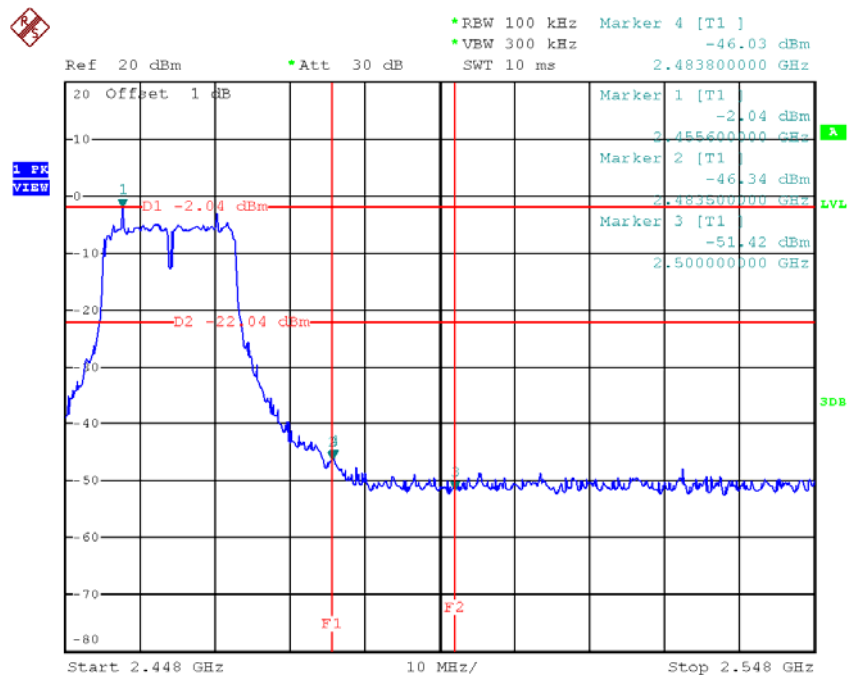
Test Mode : TX N-20M Mode Ant 1

### TX HT20 mode CH01



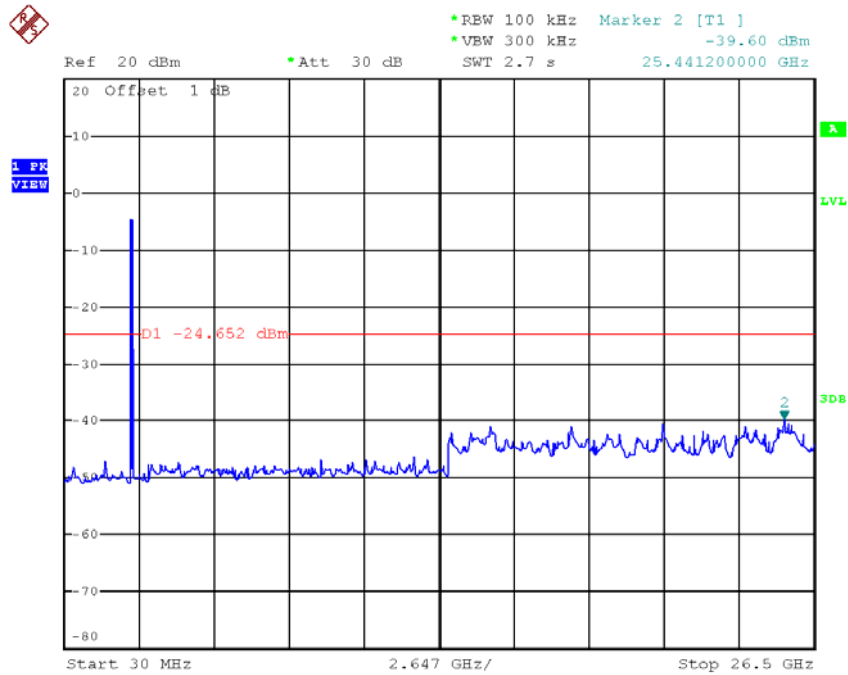
Date: 11.JUL.2016 15:09:45

### TX HT20 mode CH11



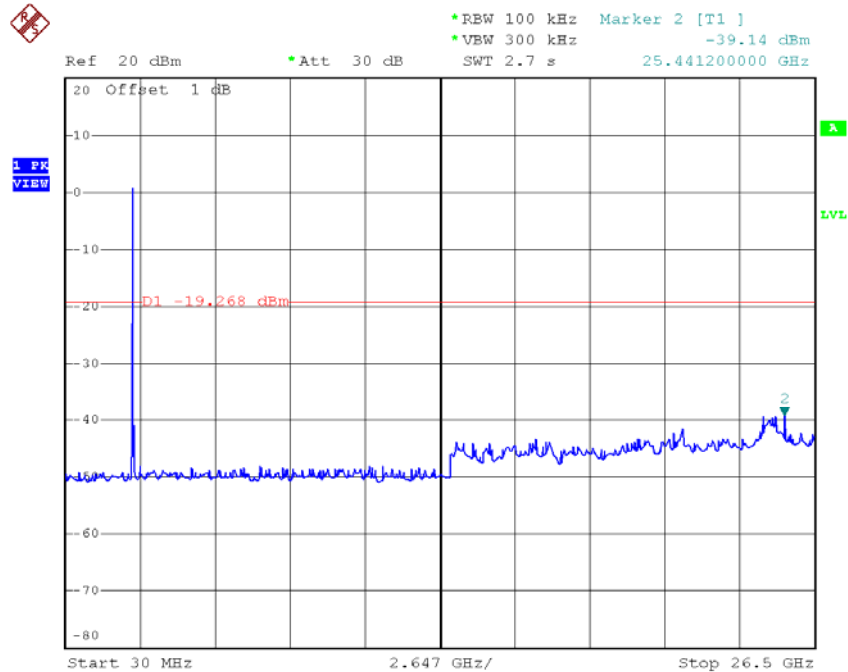
Date: 11.JUL.2016 15:10:59

### TX HT20 mode CH01 (10<sup>th</sup> Harmonic of the frequency)



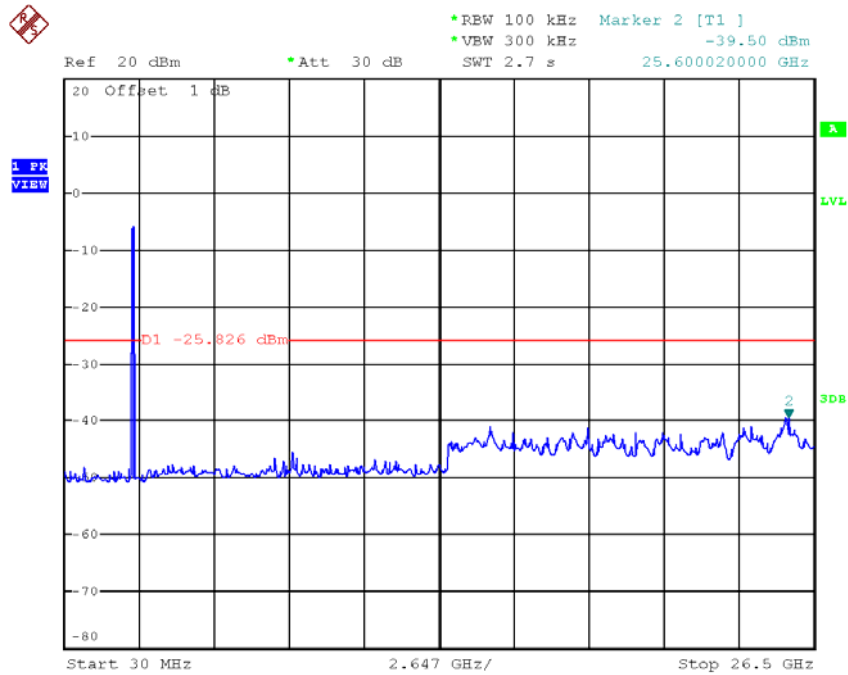
Date: 11.JUL.2016 15:09:38

### TX HT20 mode CH06 (10<sup>th</sup> Harmonic of the frequency)



Date: 25.JUN.2016 10:58:09

# TX HT20 mode CH11 (10<sup>th</sup> Harmonic of the frequency)

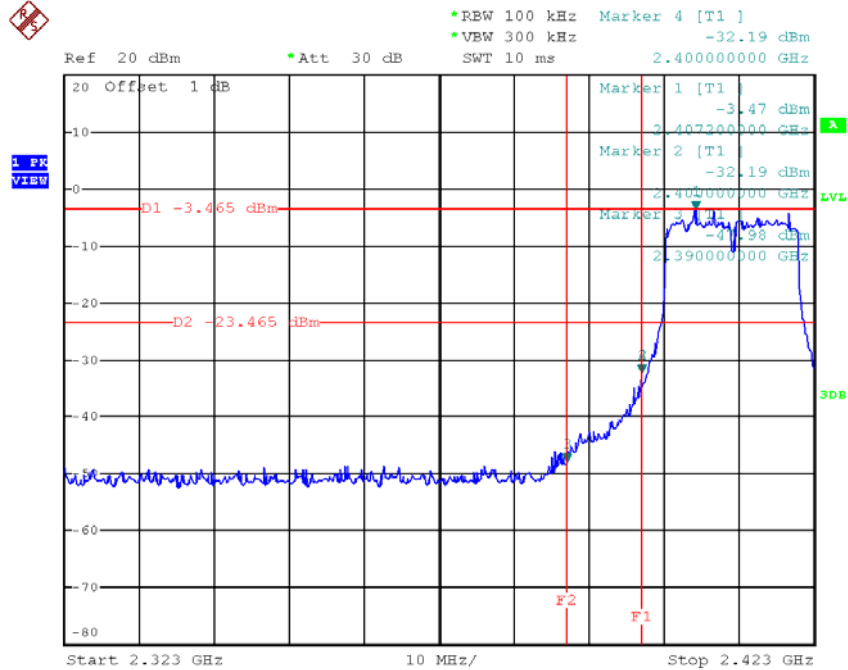


Date: 11.JUL.2016 15:10:52



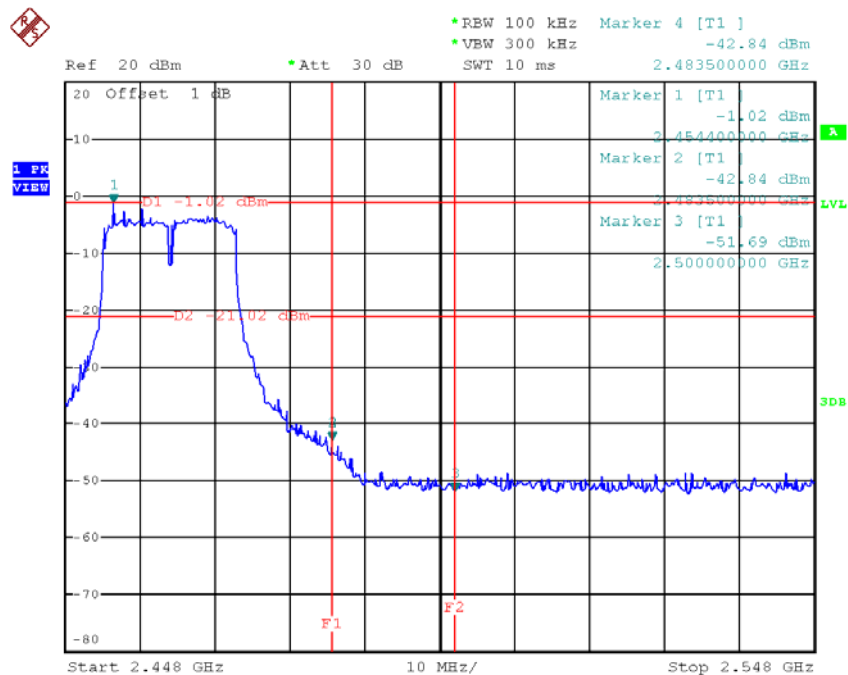
Test Mode : TX N-20M Mode Ant 2

### TX HT20 mode CH01



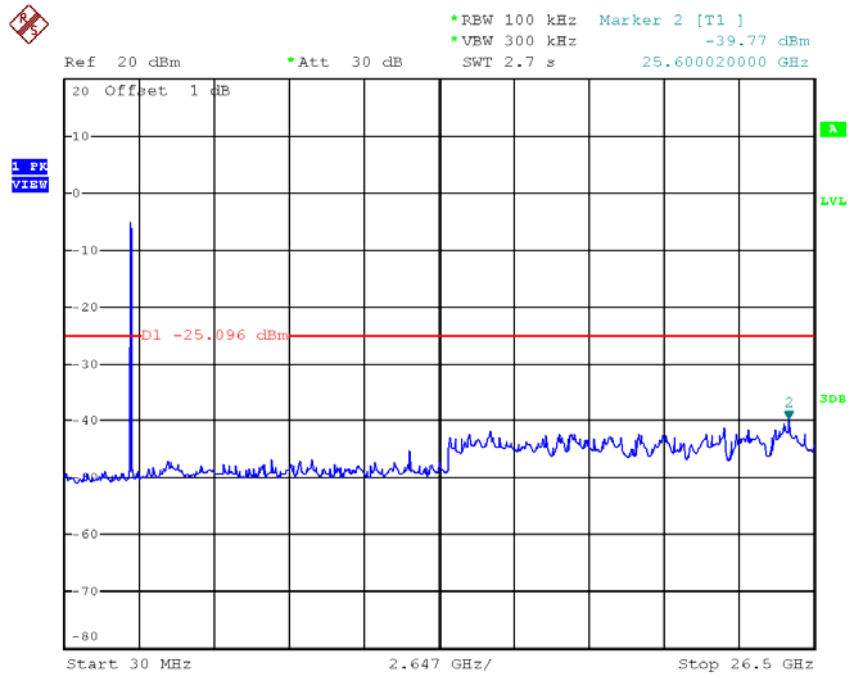
Date: 11.JUL.2016 15:44:55

### TX HT20 mode CH11



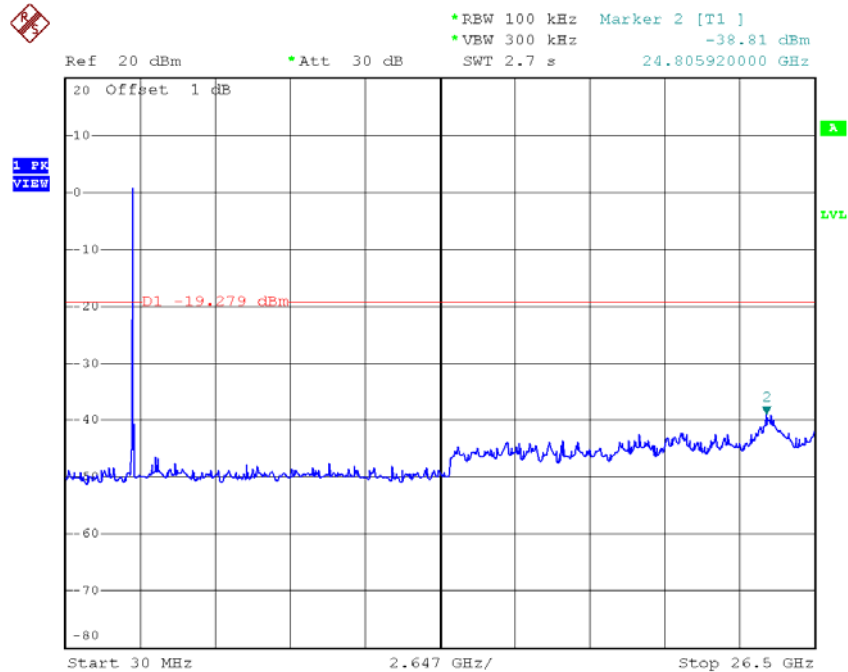
Date: 11.JUL.2016 15:47:28

### TX HT20 mode CH01 (10<sup>th</sup> Harmonic of the frequency)



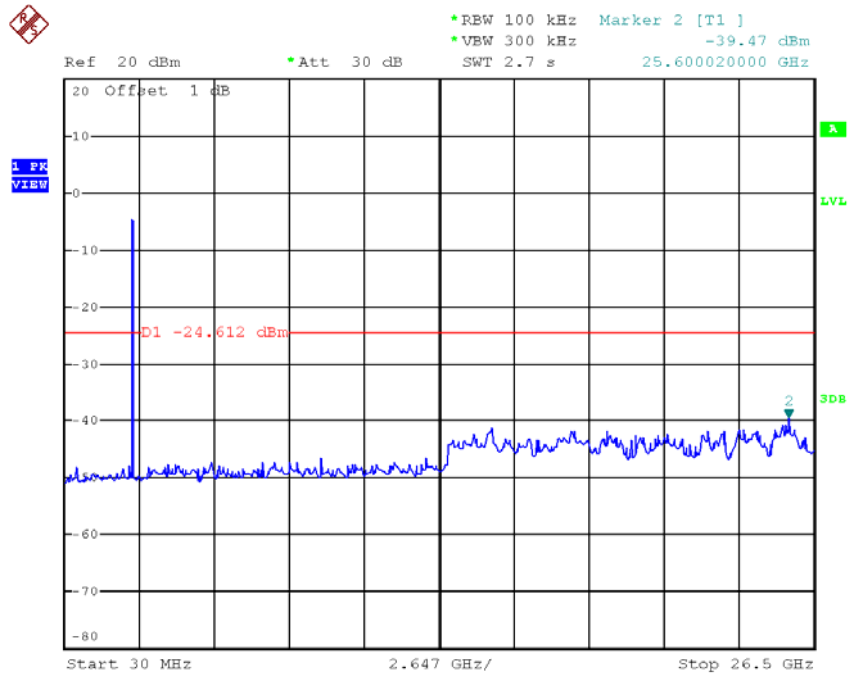
Date: 11.JUL.2016 15:44:31

### TX HT20 mode CH06 (10<sup>th</sup> Harmonic of the frequency)



Date: 25.JUN.2016 10:28:10

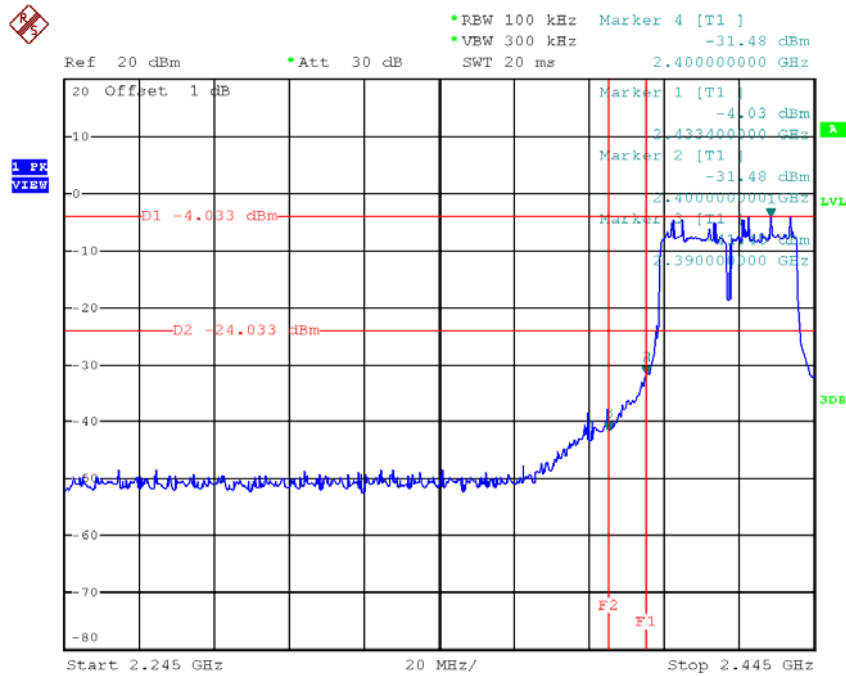
# TX HT20 mode CH11 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 15:47:04

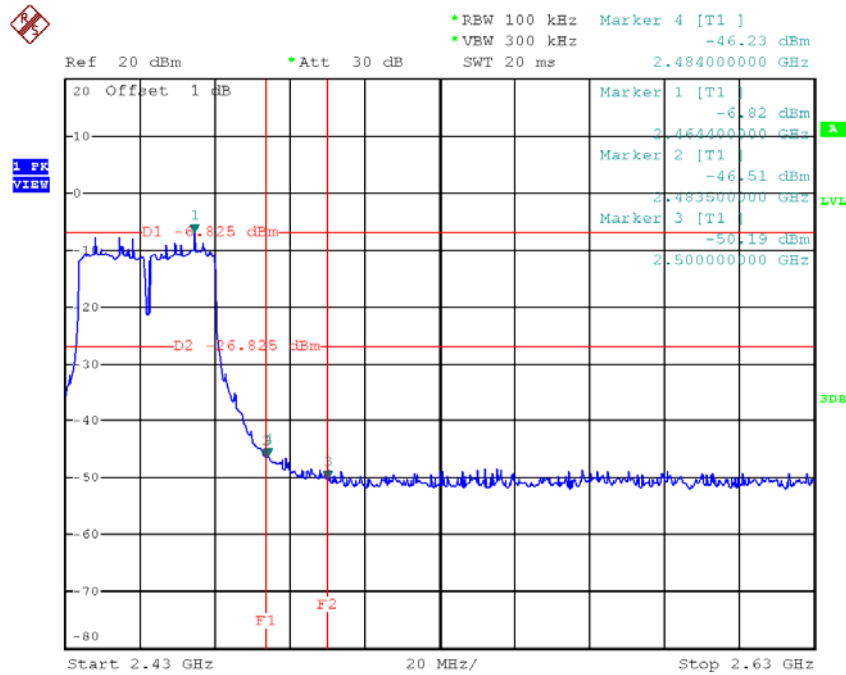
Test Mode : TX N-40M Mode Ant 1

### TX HT40 mode CH03



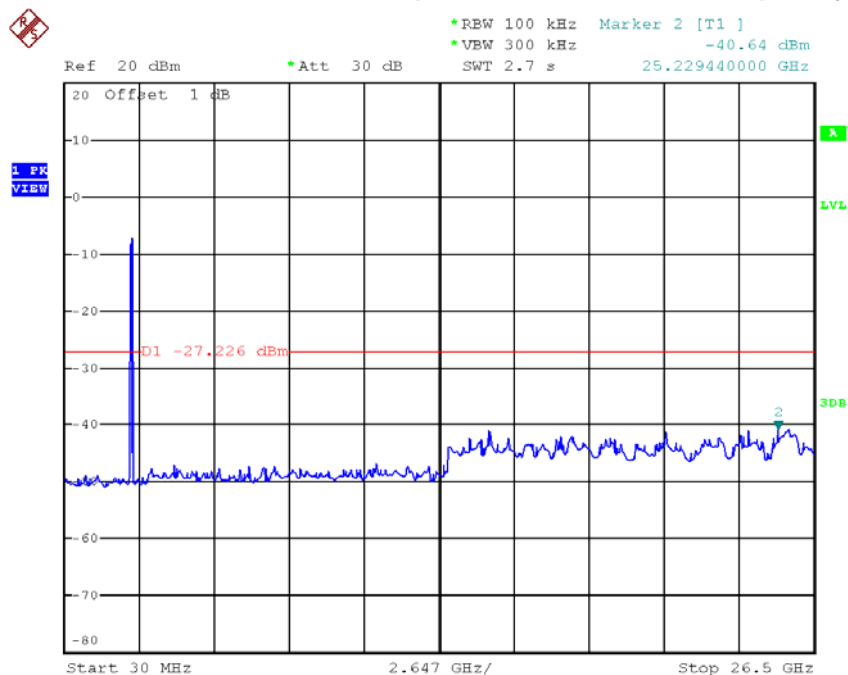
Date: 11.JUL.2016 15:14:22

### TX HT40 mode CH09



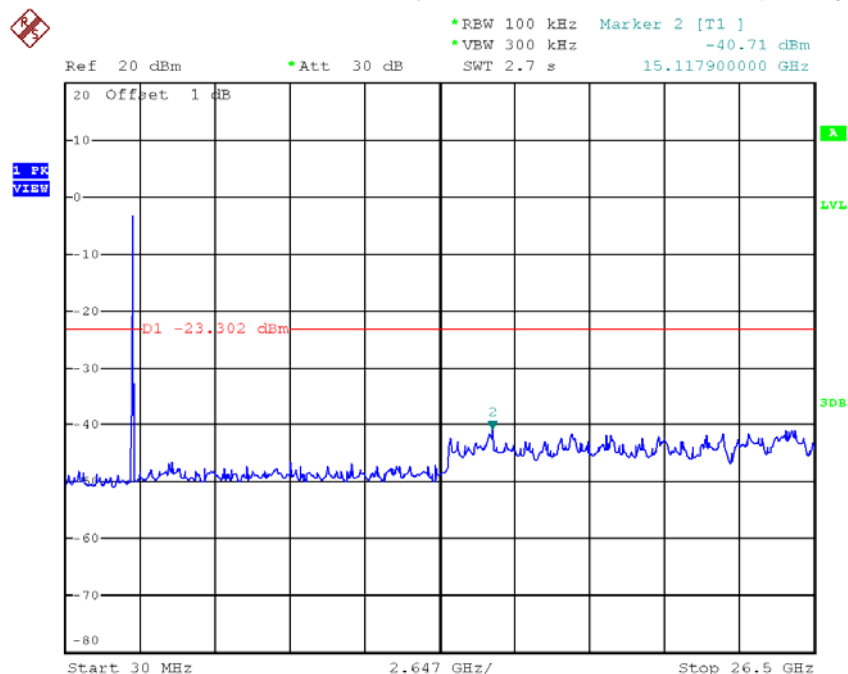
Date: 11.JUL.2016 15:18:37

### TX HT40 mode CH03 (10<sup>th</sup> Harmonic of the frequency)



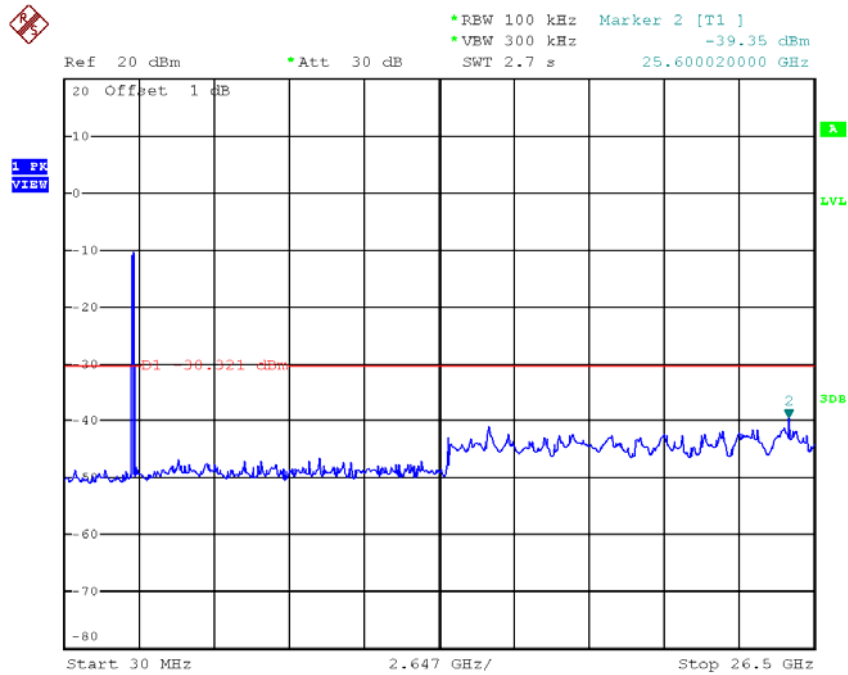
Date: 11.JUL.2016 15:13:58

### TX HT40 mode CH06 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 15:16:51

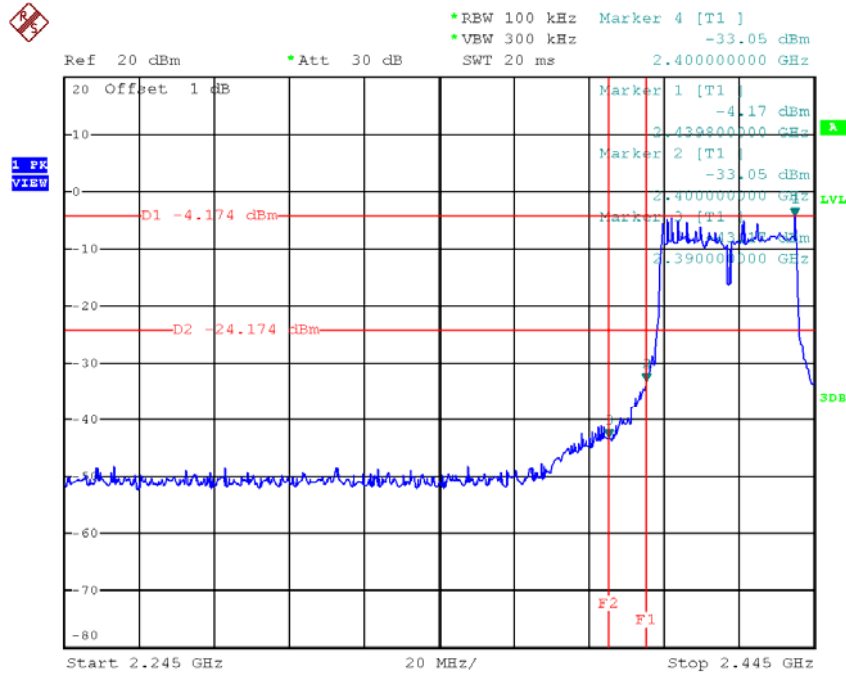
# TX HT40 mode CH09 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 15:18:13

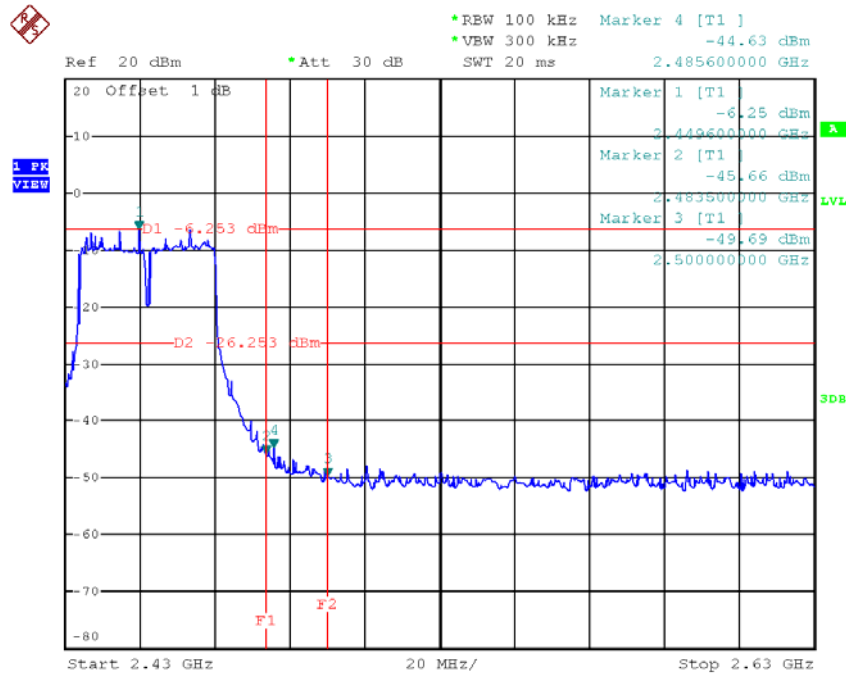
Test Mode : TX N-40M Mode Ant 2

### TX HT40 mode CH03



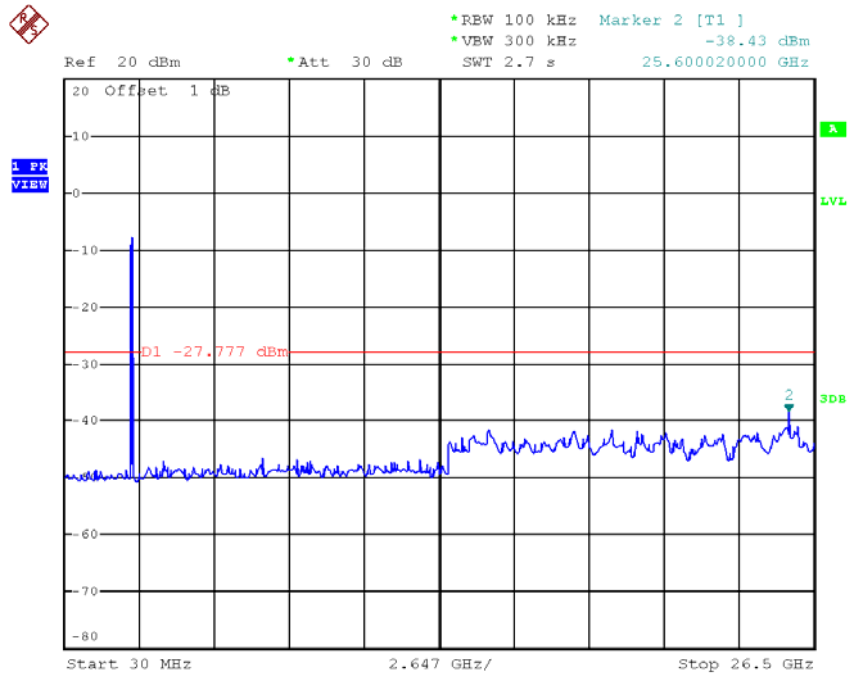
Date: 11.JUL.2016 15:22:23

### TX HT40 mode CH09



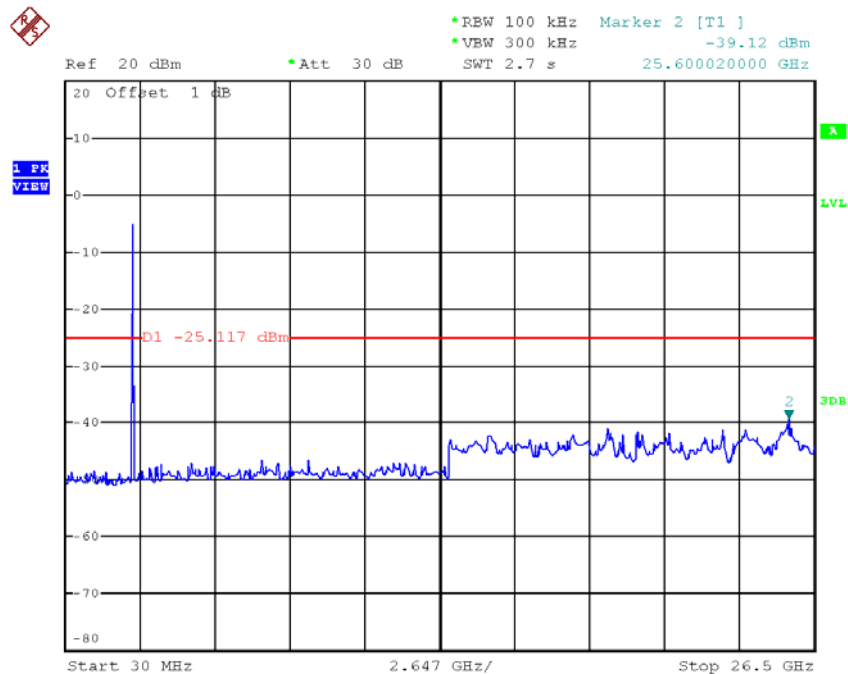
Date: 11.JUL.2016 15:30:01

### TX HT40 mode CH03 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 15:21:59

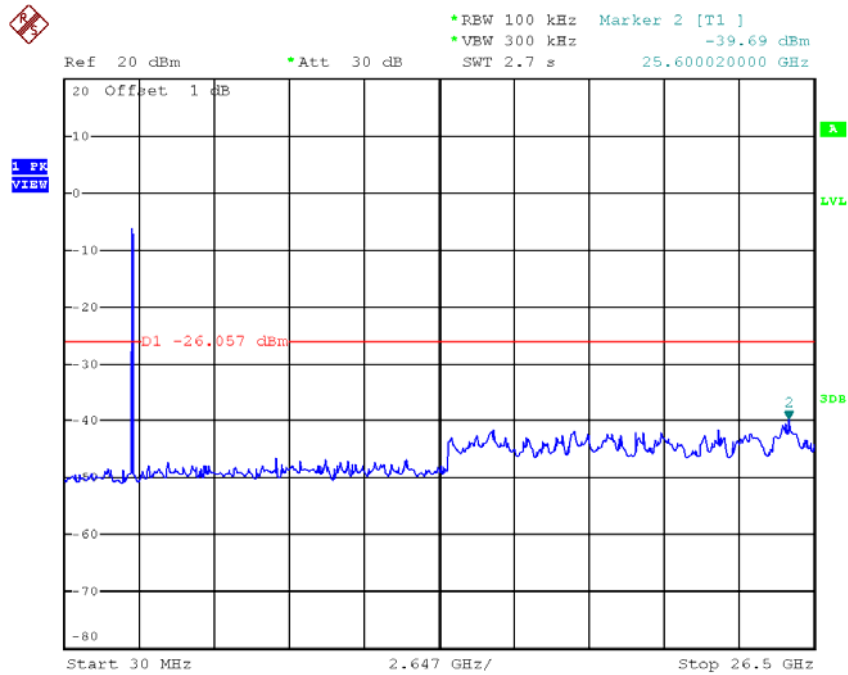
### TX HT40 mode CH06 (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JUL.2016 15:27:36



# TX HT40 mode CH09 (10<sup>th</sup> Harmonic of the frequency)



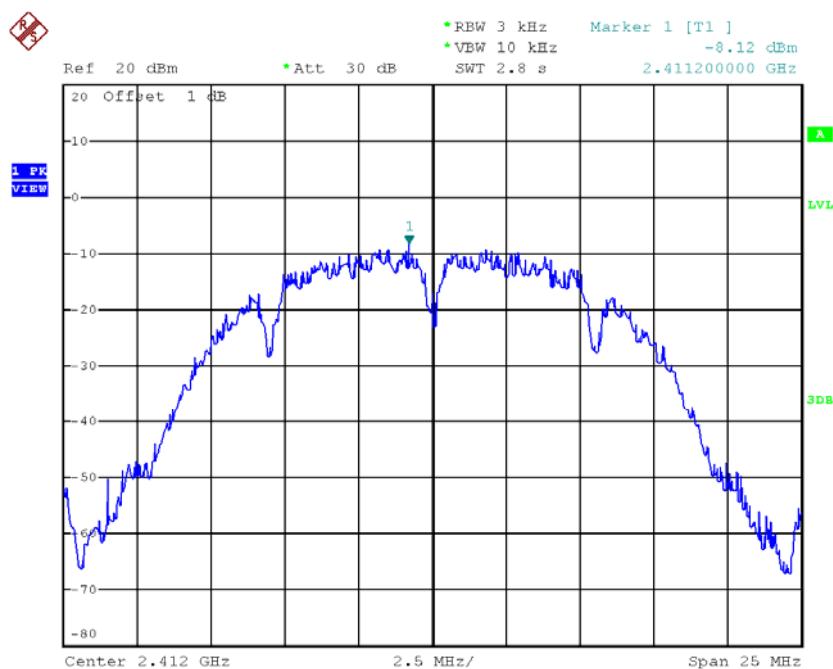
Date: 11.JUL.2016 15:29:37

## ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode\_CH01/06/11 Ant 1

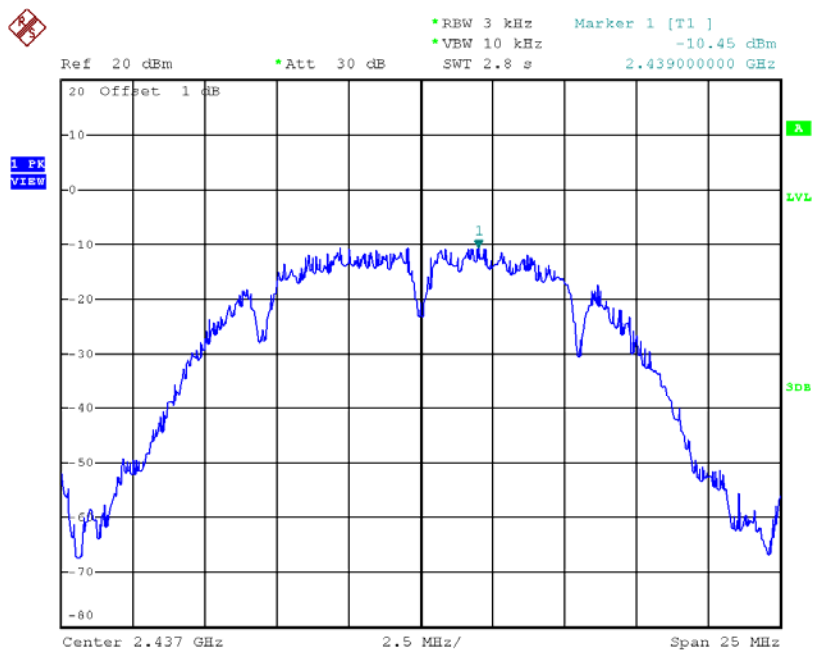
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-8.12	0.1542	8.00	Complies
2437	-10.45	0.0902	8.00	Complies
2462	-9.42	0.1143	8.00	Complies

TX CH01



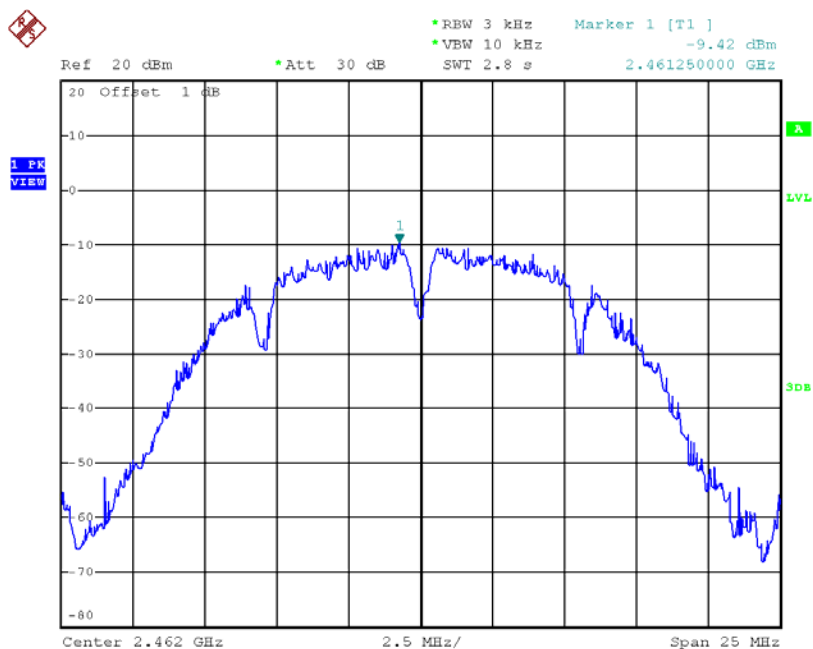
Date: 11.JUL.2016 14:37:20

### TX CH06



Date: 11.JUL.2016 14:39:05

### TX CH11

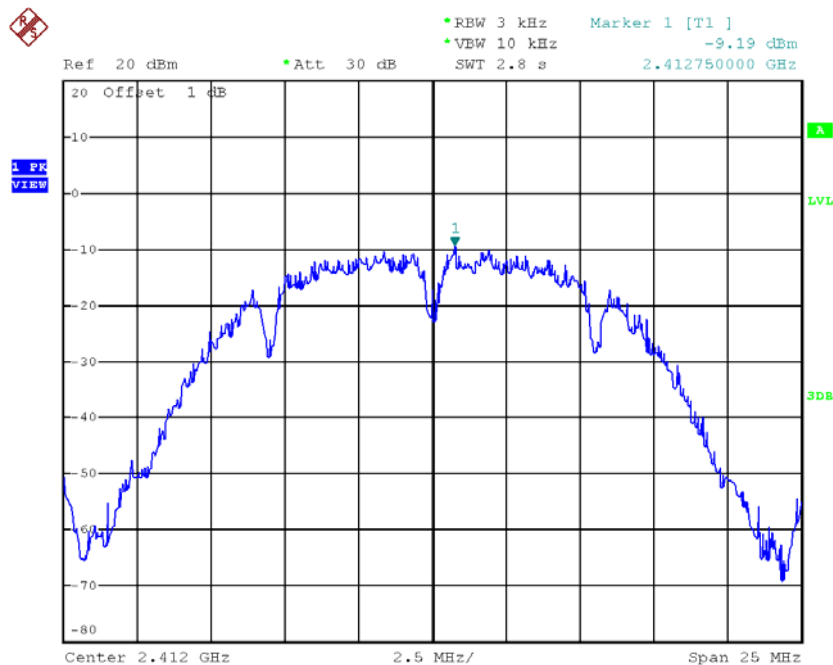


Date: 11.JUL.2016 14:40:38

**Test Mode :TX B Mode\_CH01/06/11 Ant 2**

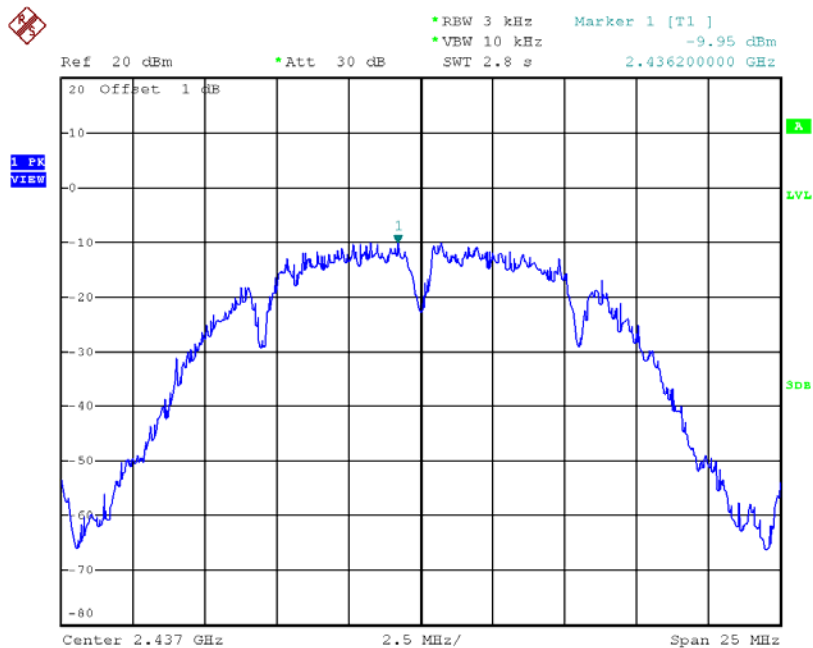
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.19	0.1205	8.00	Complies
2437	-9.95	0.1012	8.00	Complies
2462	-9.37	0.1156	8.00	Complies

**TX CH01**



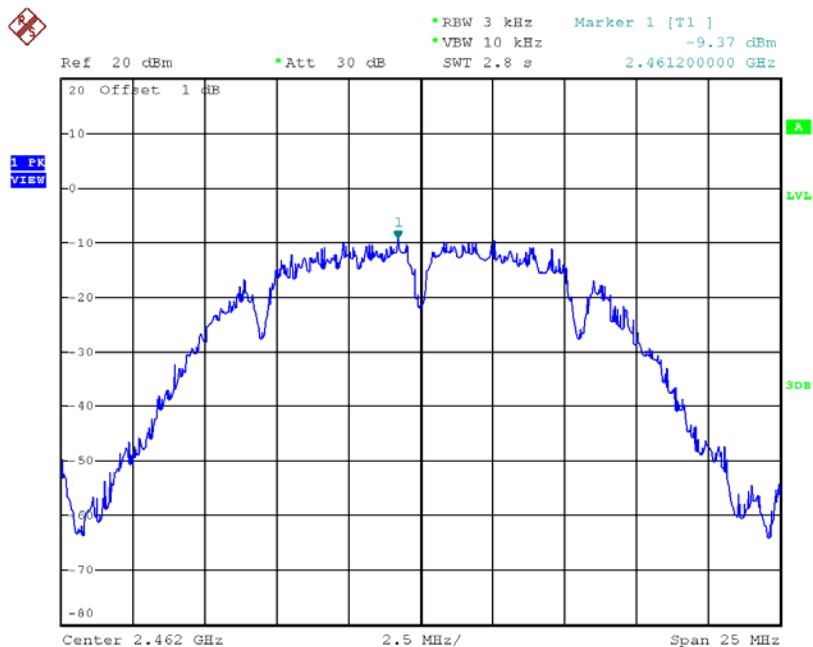
Date: 11.JUL.2016 15:33:44

### TX CH06



Date: 11.JUL.2016 15:35:11

### TX CH11



Date: 11.JUL.2016 15:37:05

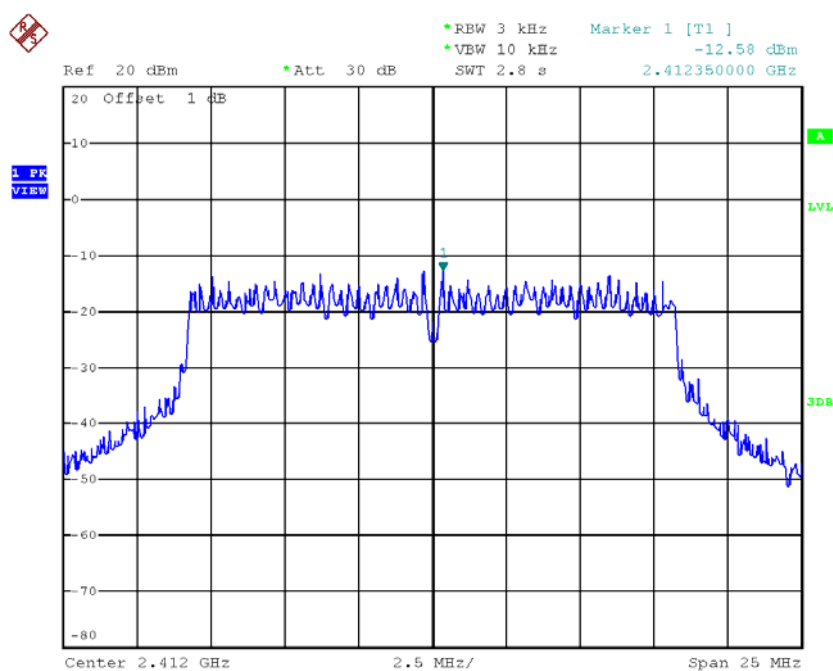
**Test Mode :TX B Mode\_CH01/06/11 Total**

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-5.61	0.2747	8.00	Complies
2437	-7.18	0.1913	8.00	Complies
2462	-6.38	0.2299	8.00	Complies

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	-12.58	0.0552	8.00	Complies
2437	-8.54	0.1400	8.00	Complies
2462	-15.85	0.0260	8.00	Complies

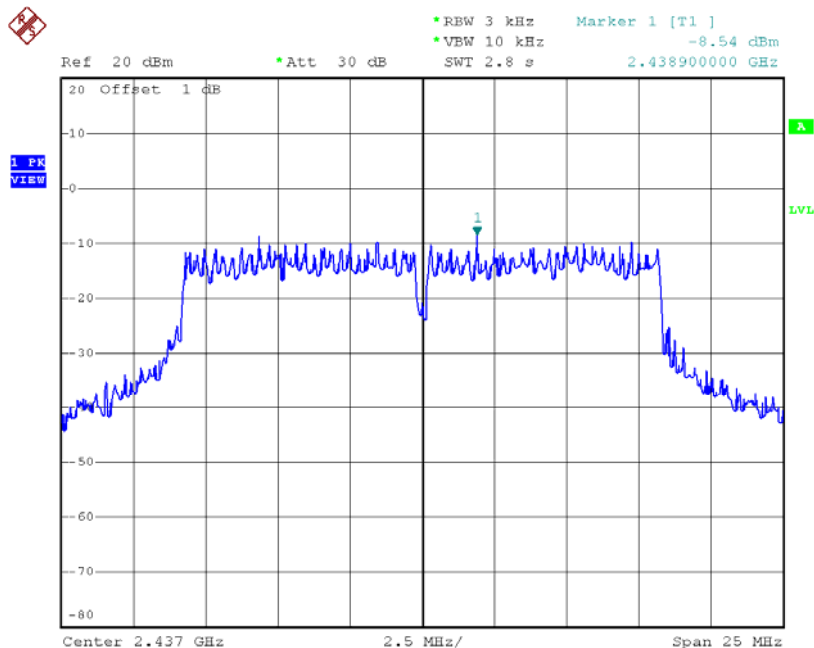
TX CH01



Date: 11.JUL.2016 15:05:48

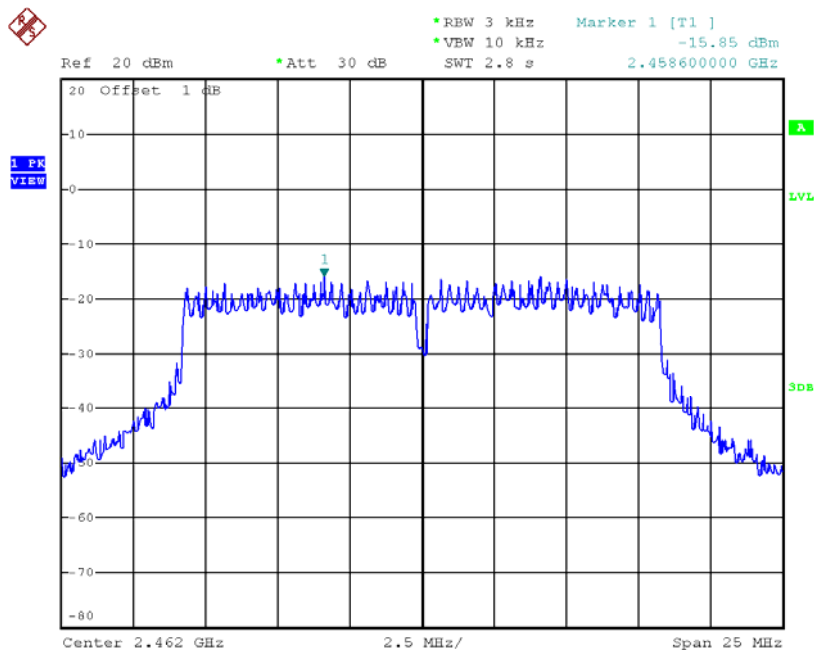


### TX CH06



Date: 25.JUN.2016 10:54:48

### TX CH11

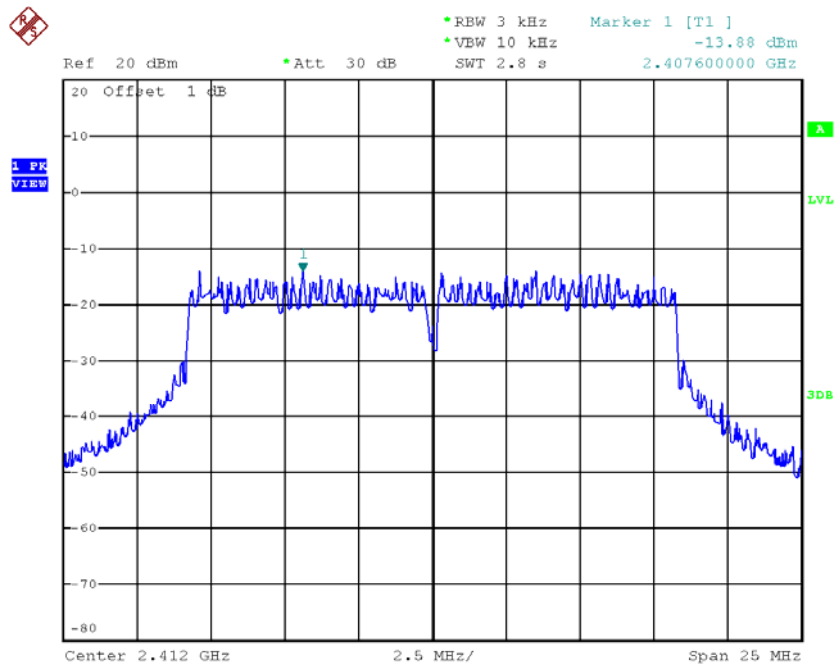


Date: 11.JUL.2016 15:07:09

**Test Mode :TX G Mode\_CH01/06/11 Ant 2**

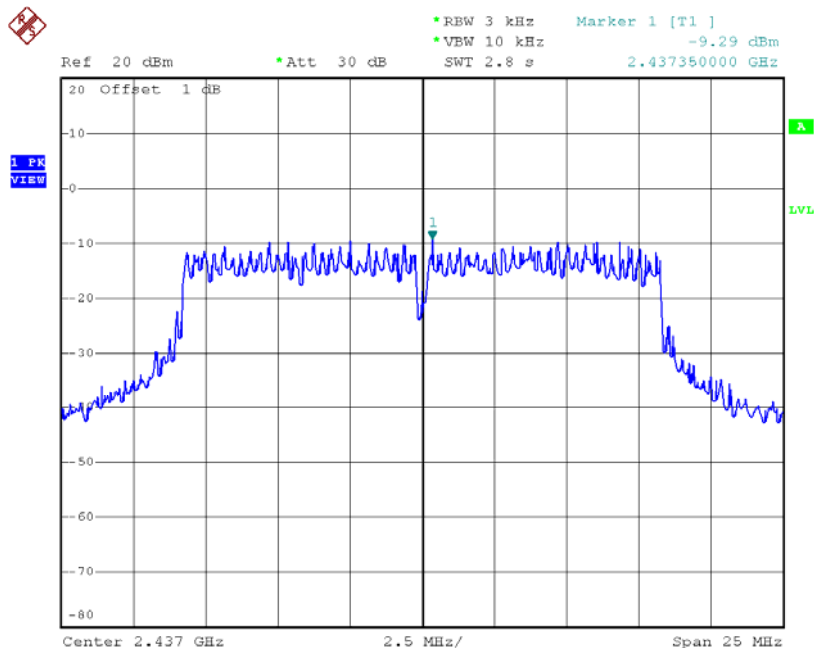
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-13.88	0.0409	8.00	Complies
2437	-9.29	0.1178	8.00	Complies
2462	-13.57	0.0440	8.00	Complies

**TX CH01**



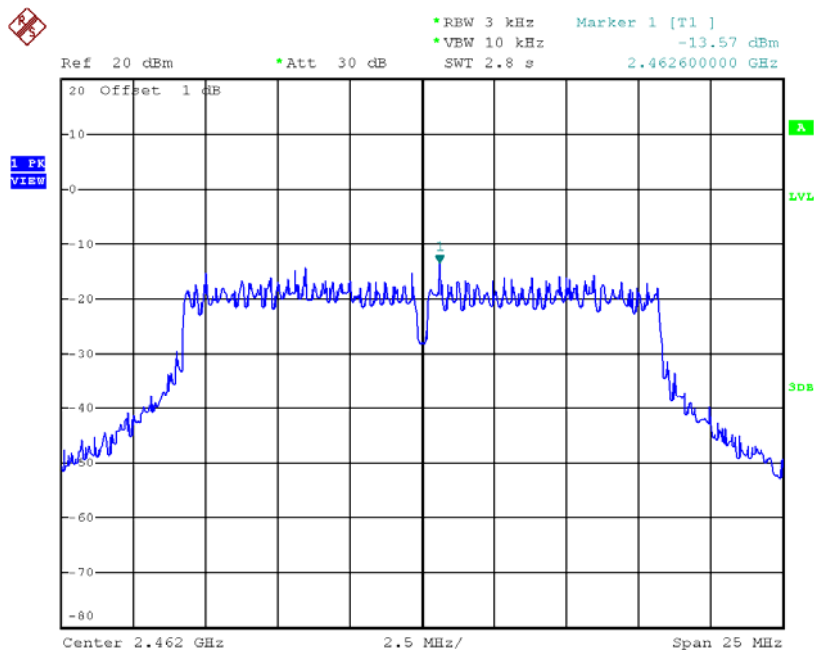
Date: 11.JUL.2016 15:41:29

### TX CH06



Date: 25.JUN.2016 10:24:01

### TX CH11



Date: 11.JUL.2016 15:43:20

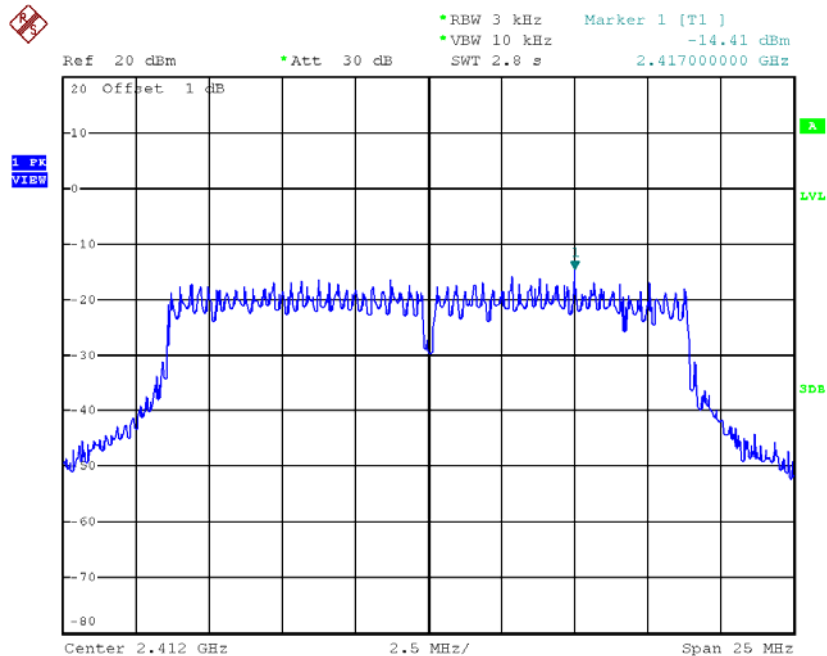
**Test Mode :TX G Mode\_CH01/06/11 Total**

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-10.17	0.0961	8.00	Complies
2437	-5.89	0.2577	8.00	Complies
2462	-11.55	0.0700	8.00	Complies

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

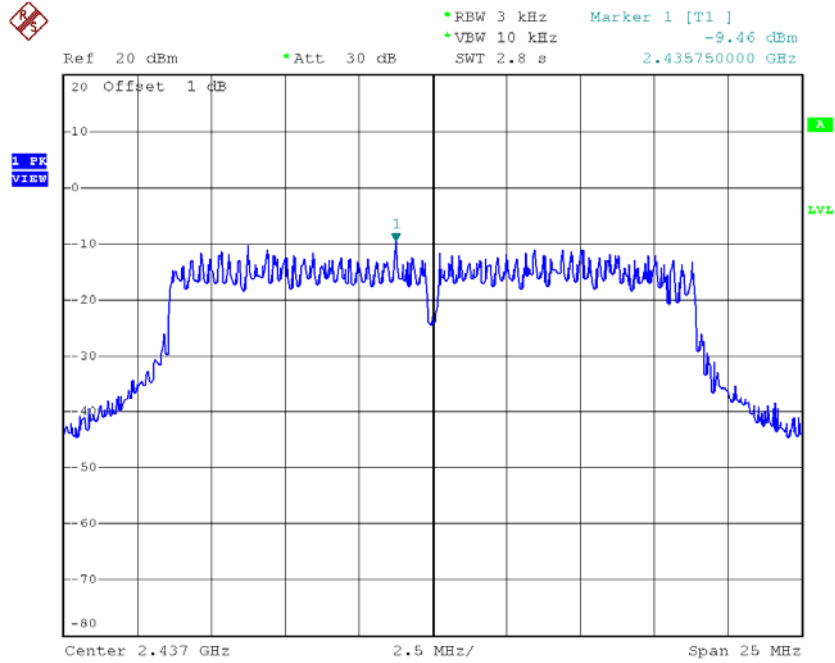
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.41	0.0362	8.00	Complies
2437	-9.46	0.1132	8.00	Complies
2462	-16.48	0.0225	8.00	Complies

TX CH01



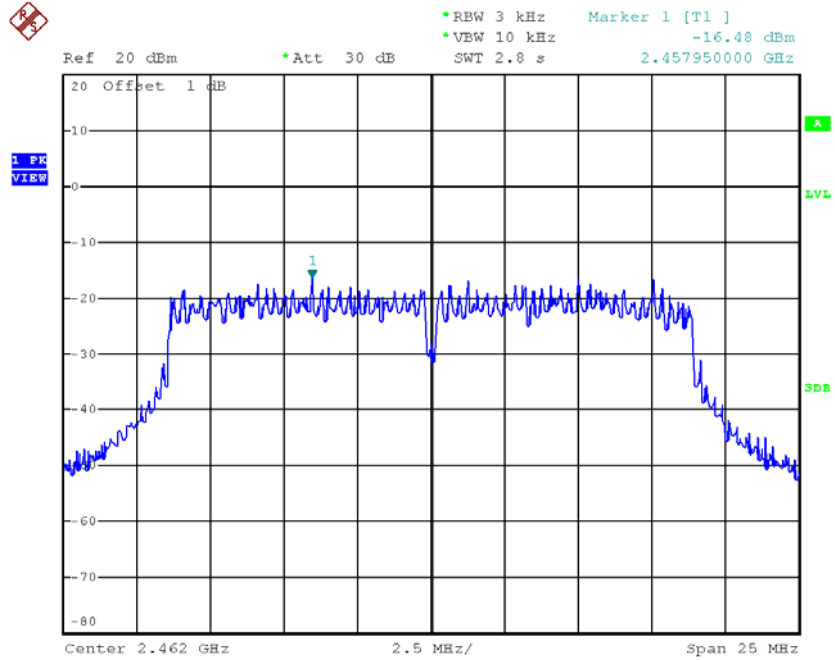
Date: 11.JUL.2016 15:09:53

### TX CH06



Date: 25.JUN.2016 10:58:17

### TX CH11

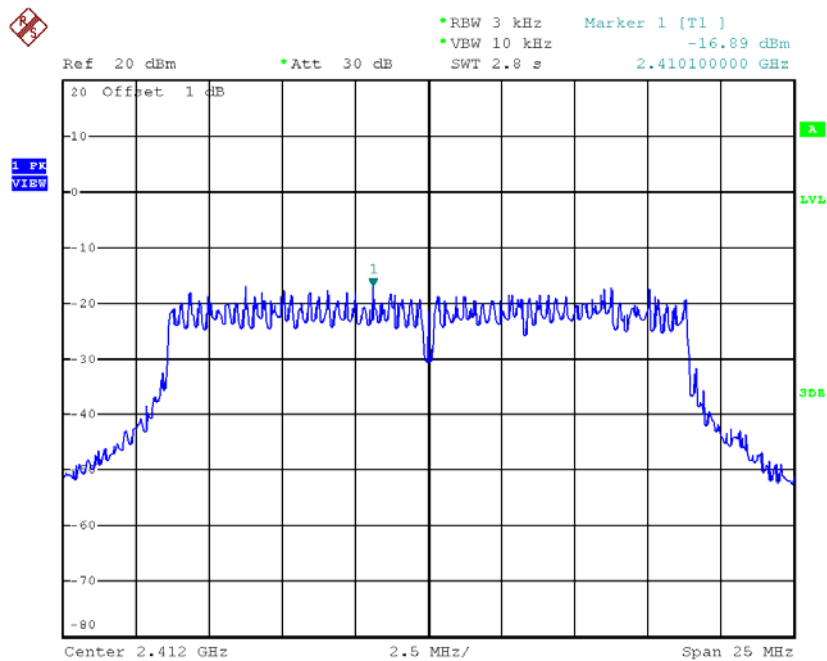


Date: 11.JUL.2016 15:11:08

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

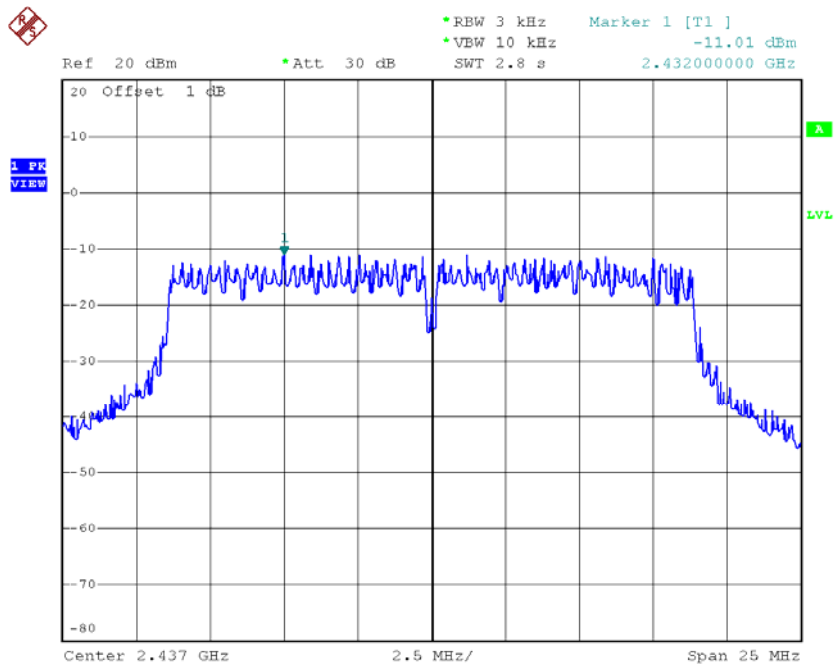
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-16.89	0.0205	8.00	Complies
2437	-11.01	0.0793	8.00	Complies
2462	-15.81	0.0262	8.00	Complies

TX CH01



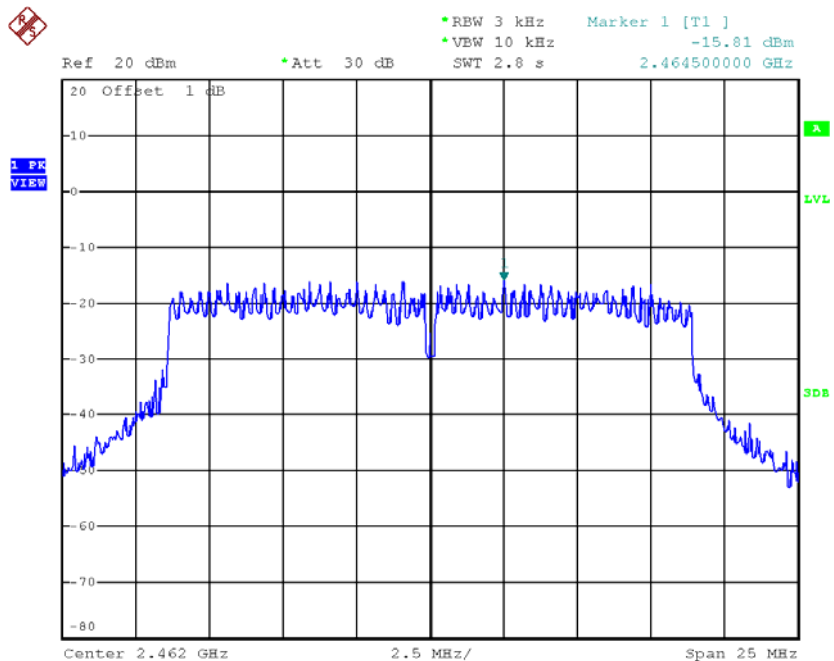
Date: 11.JUL.2016 15:45:03

### TX CH06



Date: 25.JUN.2016 10:28:18

### TX CH11



Date: 11.JUL.2016 15:47:36



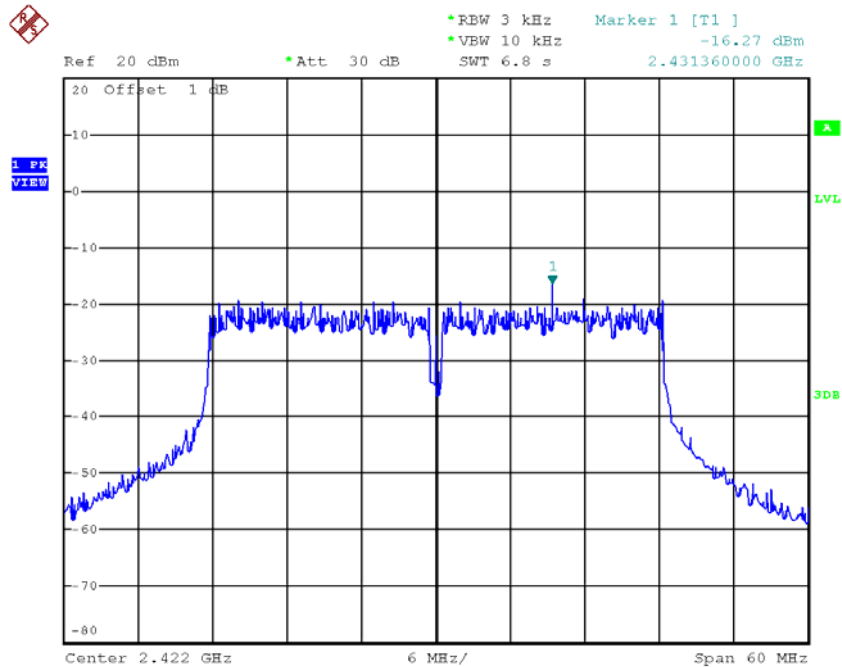
**Test Mode : TX N-20M Mode\_CH01/06/11 Total**

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.47	0.0567	8.00	Complies
2437	-7.16	0.1925	8.00	Complies
2462	-13.12	0.0487	8.00	Complies

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

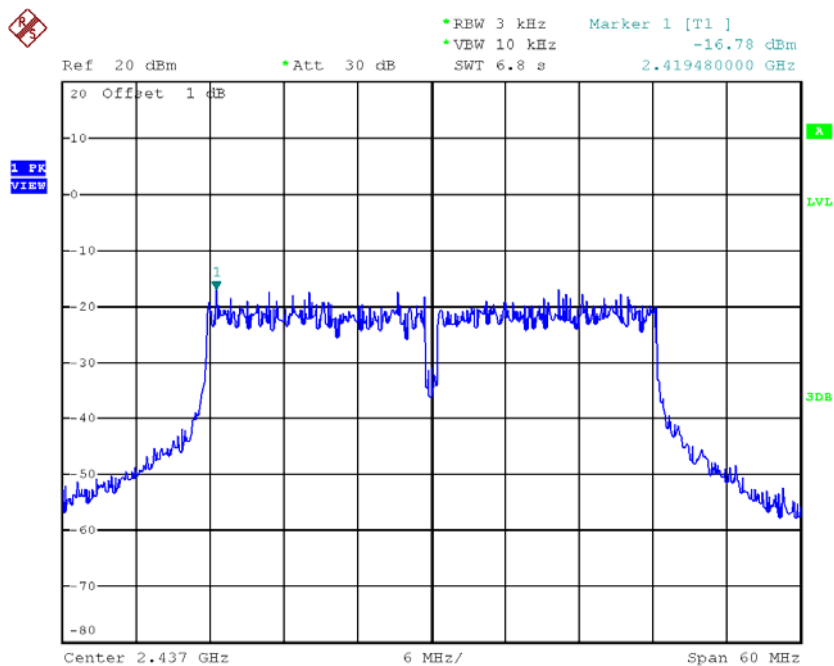
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-16.27	0.0236	8.00	Complies
2437	-16.78	0.0210	8.00	Complies
2452	-20.27	0.0094	8.00	Complies

**TX CH03**



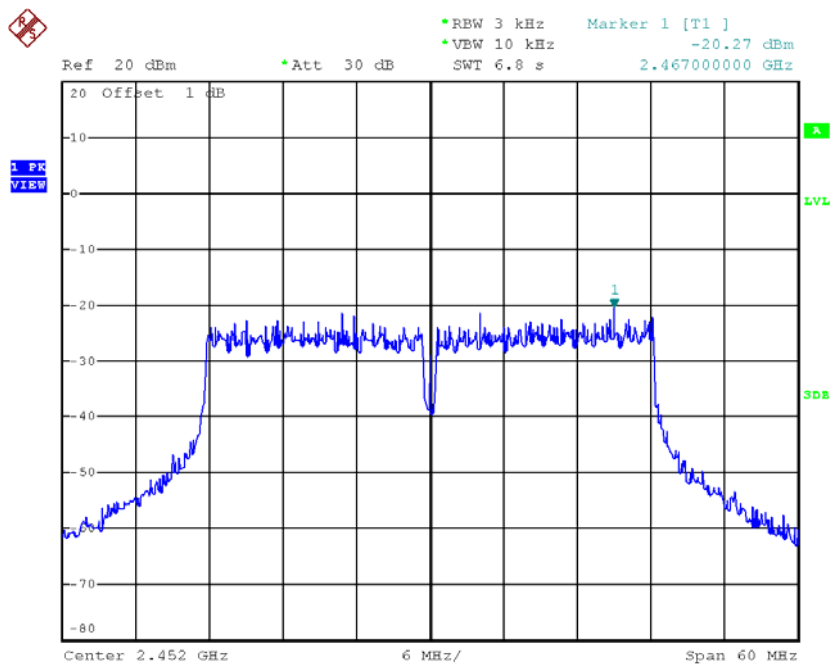
Date: 11.JUL.2016 15:14:34

### TX CH06



Date: 11.JUL.2016 15:17:02

### TX CH09

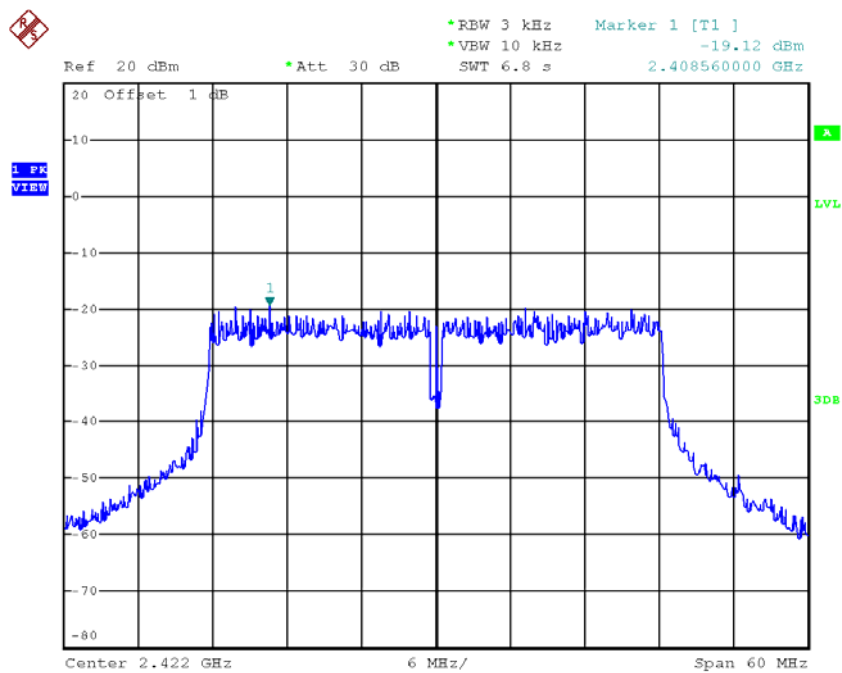


Date: 11.JUL.2016 15:18:49

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

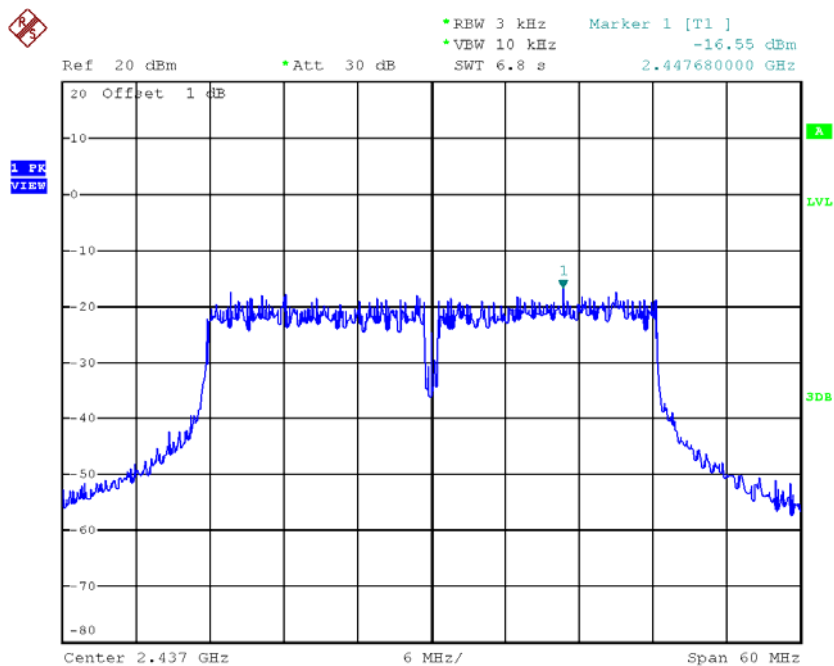
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-19.12	0.0122	8.00	Complies
2437	-16.55	0.0221	8.00	Complies
2452	-19.92	0.0102	8.00	Complies

**TX CH03**



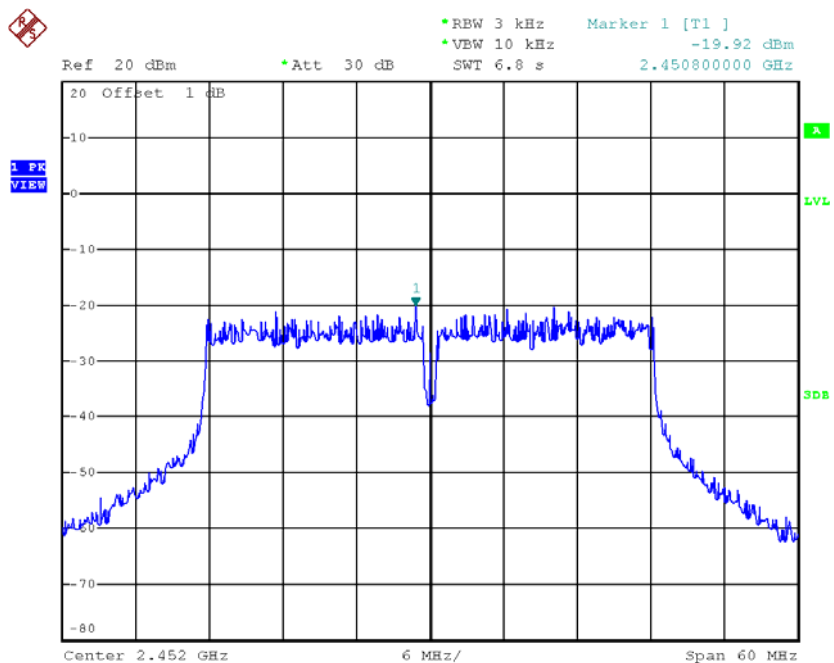
Date: 11.JUL.2016 15:22:34

### TX CH06



Date: 11.JUL.2016 15:27:47

### TX CH09



Date: 11.JUL.2016 15:30:12

**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	-14.45	0.0359	8.00	Complies
2437	-13.65	0.0431	8.00	Complies
2452	-17.08	0.0196	8.00	Complies