

FCC Radio Test Report

FCC ID: I88WAP3205V3

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

Project No. : 1404C267C
Equipment : Wireless N300 Access Point
Model Name : WAP3205 v3
Applicant : ZyXEL Communications Corporation
Address : No. 2, Gongye E. 9th Road Hsinchu Science Park,
Hsinchu, Taiwan,R.O.C

Date of Receipt : Feb. 16, 2016
Date of Test : Feb. 16, 2016 ~ Jun. 07, 2016
Issued Date : Jun. 07, 2016
Tested by : BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1404C267C	Original Issue.	Jun. 07, 2016

1. CERTIFICATION

Equipment : Wireless N300 Access Point
Brand Name : ZyXEL
Model Name : WAP3205 v3
Applicant : ZyXEL Communications Corporation
Manufacturer : ZyXEL Communications Corporation
Address : No. 2, Gongye E. 9th Road Hsinchu Science Park, Hsinchu, Taiwan, R.O.C
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, Ludu Town, Taicang, Jiangsu, 215412, P.R. China
Date of Test : Feb. 16, 2016 ~ Jun. 07, 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-1-1404C267C) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
 BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9KHz~30MHz	V	3.79
		9KHz~30MHz	H	3.57
		30MHz ~ 200MHz	V	3.82
		30MHz ~ 200MHz	H	3.78
		200MHz ~ 1,000MHz	V	4.10
		200MHz ~ 1,000MHz	H	4.06
		1GHz~18GHz	V	3.12
		1GHz~18GHz	H	3.68
		18GHz~40GHz	V	4.15
		18GHz~40GHz	H	4.14

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless N300 Access Point	
Brand Name	ZyXEL	
Model Name	WAP3205 v3	
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: 21.20dBm 802.11g: 26.25dBm 802.11n(20MHz): 28.65dBm 802.11n(40MHz): 23.37dBm
Power Source	DC voltage supplied from AC/DC adapter. Manufacturer: Shenzhen Gongjin Electronics Co., Ltd. Model: S06A12-050A100-C4	
Power Rating	I/P: AC 100-240V, 50/60Hz max 0.3A O/P: DC 5V 1A	

Note:

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

2. Channel List:

CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz) CH03 – CH09 for 802.11n(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	Dipole	N/A	7	TX/RX
2	N/A	N/A	Dipole	N/A	7	TX/RX

Note:

- (1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}** , that is Directional gain=7 So, the out power limit is $30-7+6=29$ the power density limit is $8-7+6=7$.
- (2) ANT 1 was the worst case for 1TX.

4.

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 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	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

6dB Spectrum Bandwidth	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09

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

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

Note:

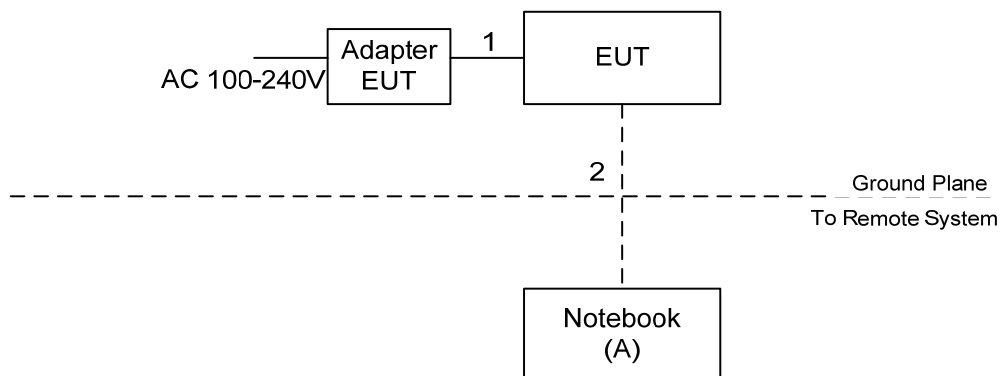
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : BPSK (13Mbps)
 802.11n HT40 mode : BPSK (27Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3)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

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	N/A		
Frequency (MHz)	2412	2437	2462
802.11b	52	51	48
802.11g	42	50	42
802.11n (20MHz)	43	53	40
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	38	42	35

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	Notebook	DELL	745	DOC	G7K832X

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.2m	DC Cable
2	NO	NO	10m	RJ-45 Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

The following table is the setting of the receiver

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

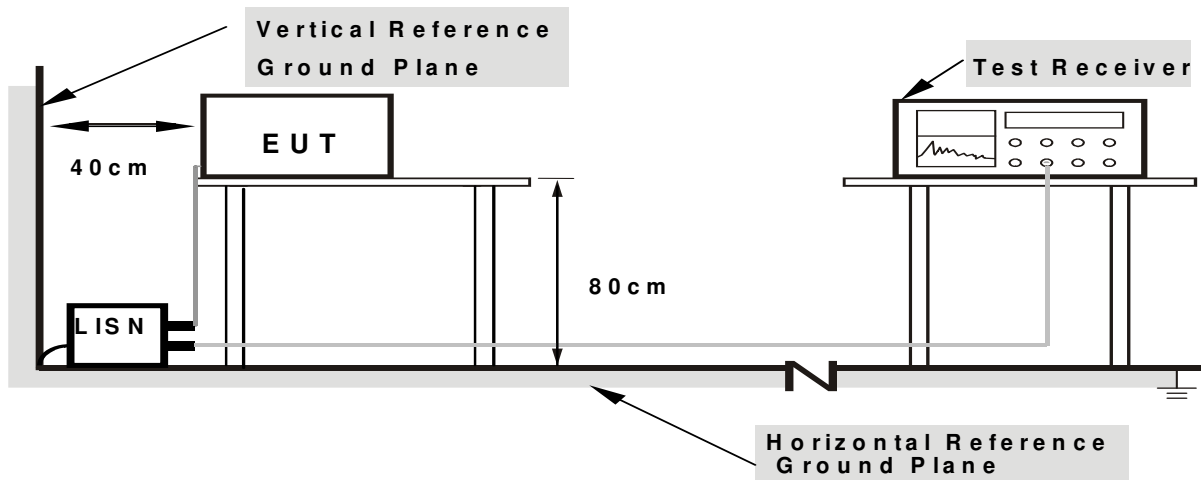
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



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

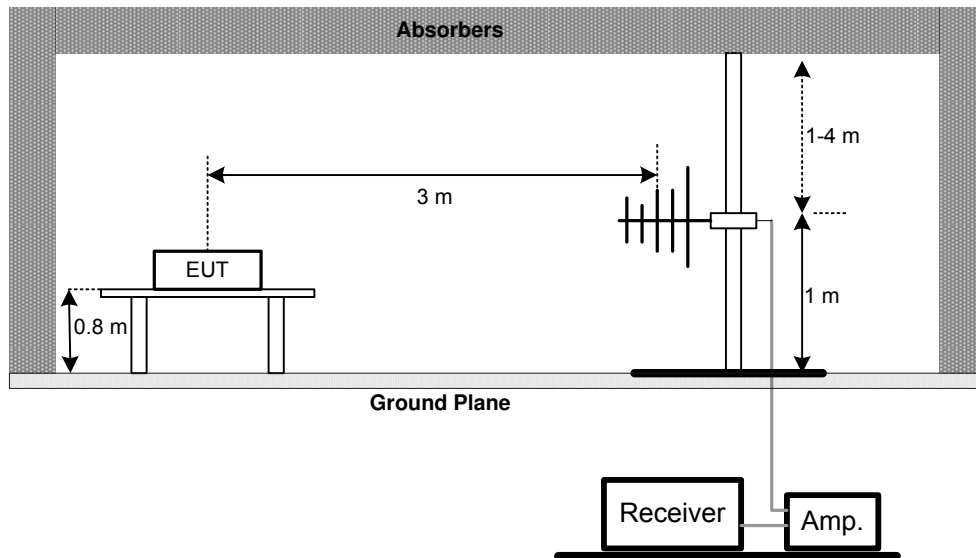
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- f. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- g. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

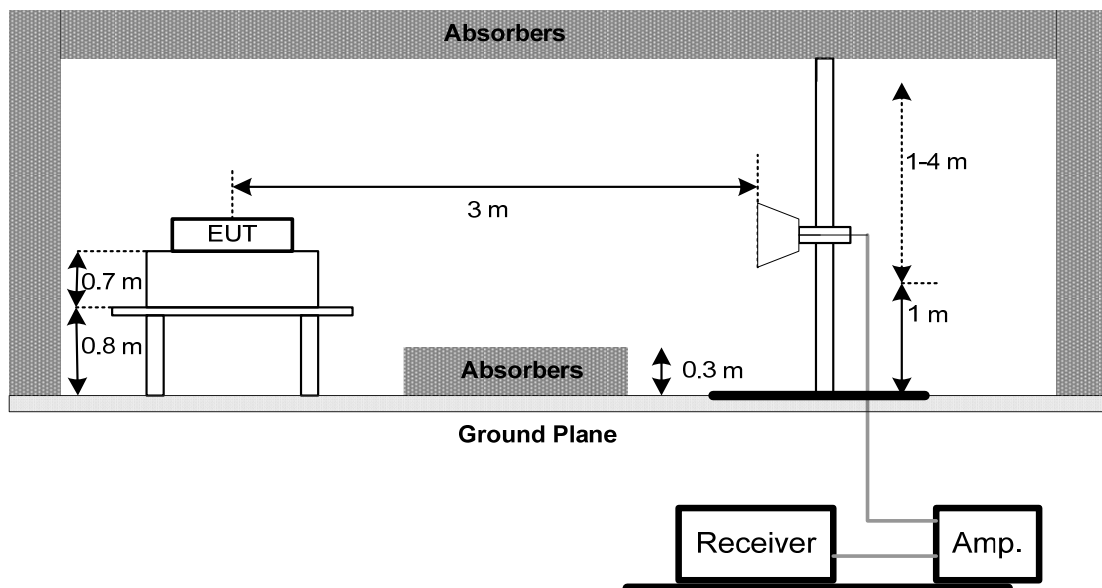
No deviation

4.2.4 TEST SETUP

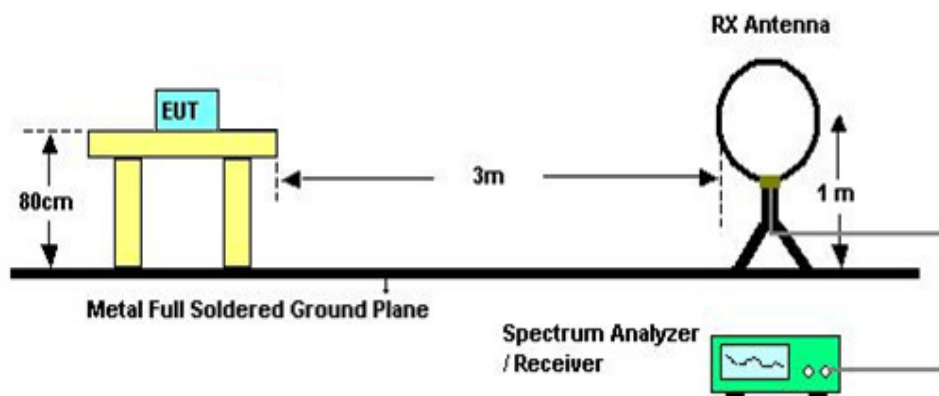
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

Temperature: 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

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

Temperature: 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 v03r04.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

Temperature: 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

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

Temperature: 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	00052765	Mar. 28, 2016
2	LISN	R&S	ENV216	101447	Mar. 28, 2016
3	Test Cable	emci	RG223(9KHz-30M Hz)	C_17	Mar. 13, 2016
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 28, 2016
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Nov. 09, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
4	Test Cable	emci	LMR-400(30MHz-1 GHz)	C-01	Jun. 28, 2016
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Nov. 01, 2016
8	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
9	Test Cable	emci	EMC104-SM-SM-10000(1GHz-26.5G Hz)	C-68	Jun. 28, 2016
10	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
11	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 28, 2016
12	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 07, 2016
13	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016

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

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

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

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

10. EUT TEST PHOTO

Conducted Measurement Photos



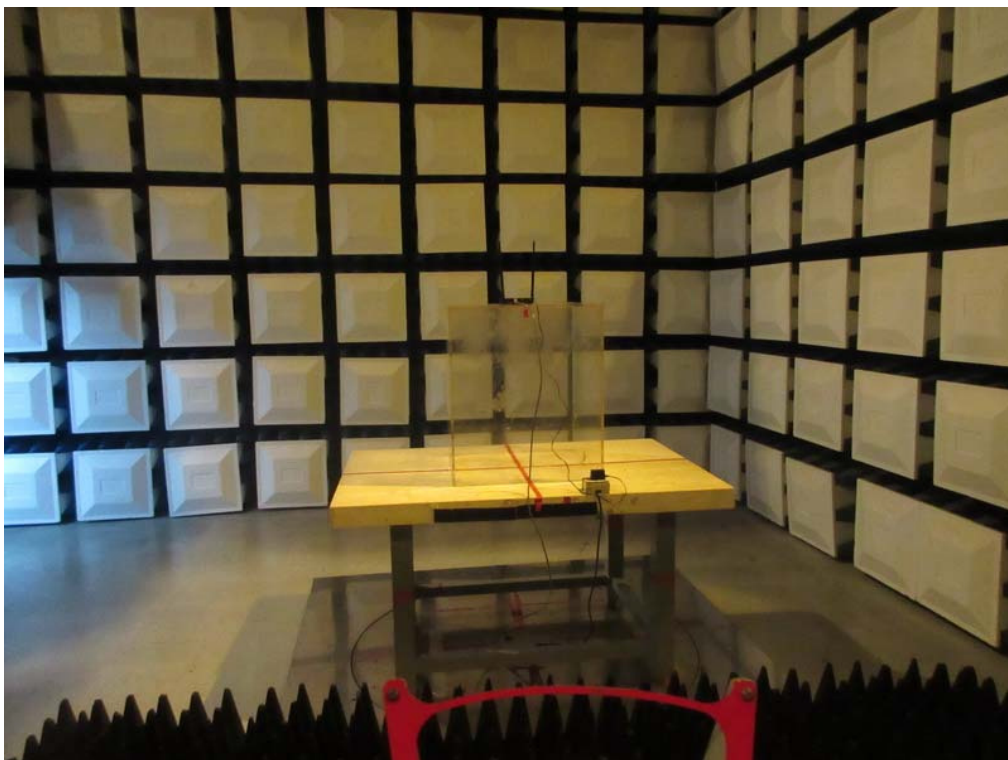
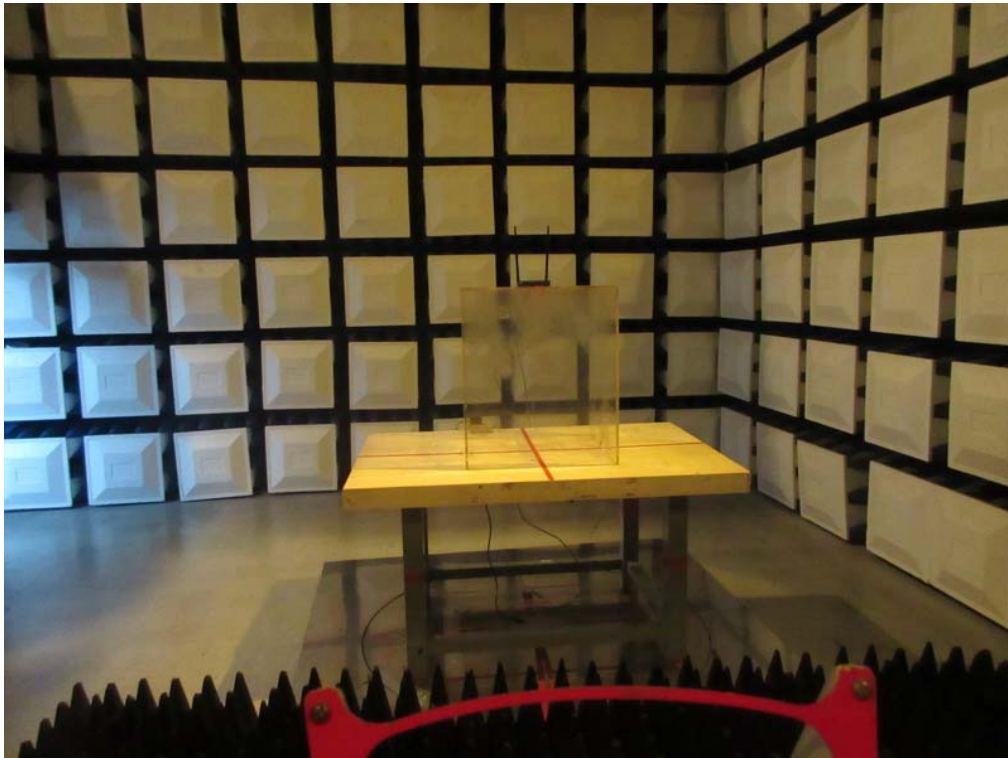
**Radiated Measurement Photos
9KHz to 30MHz**



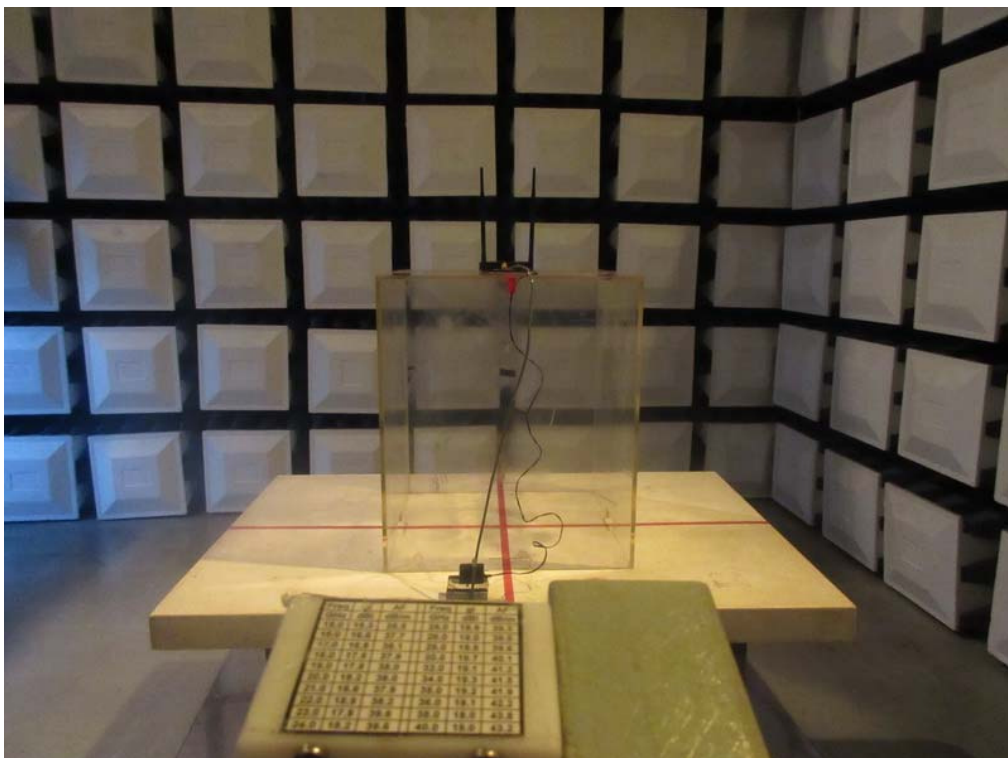
**Radiated Measurement Photos
30MHz to 1000MHz**



**Radiated Measurement Photos
1000MHz to 1800MHz**



**Radiated Measurement Photos
18000MHz to 40000MHz**



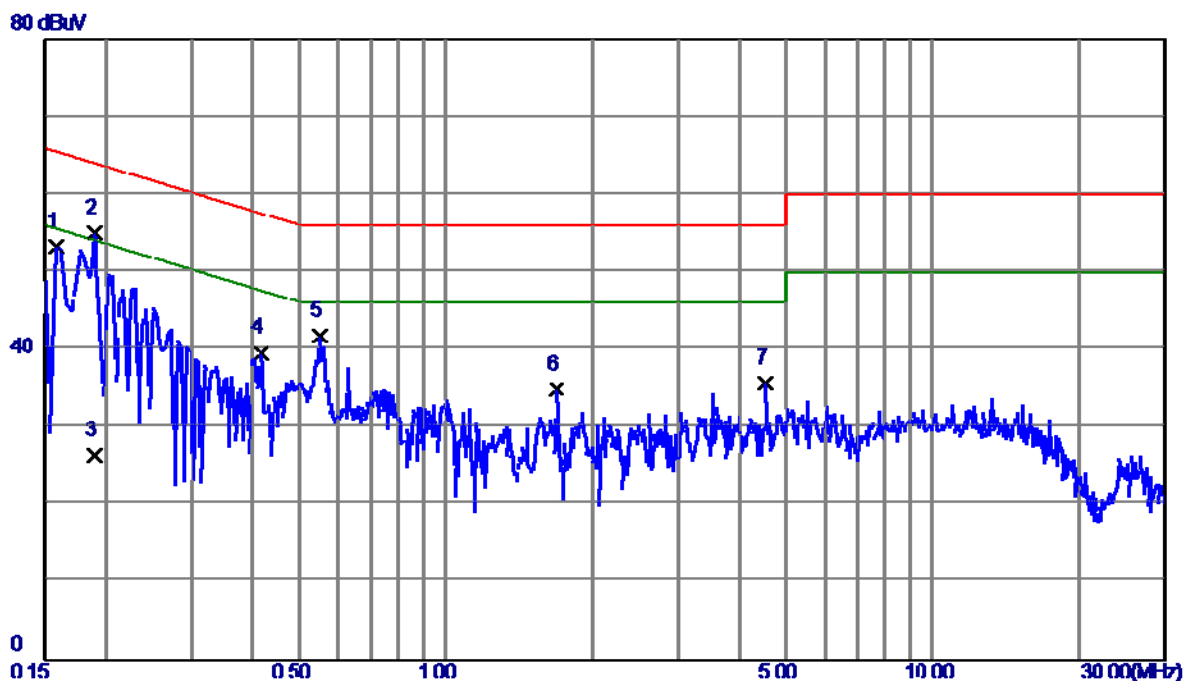
Conducted Measurement Photos



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : Normal Link

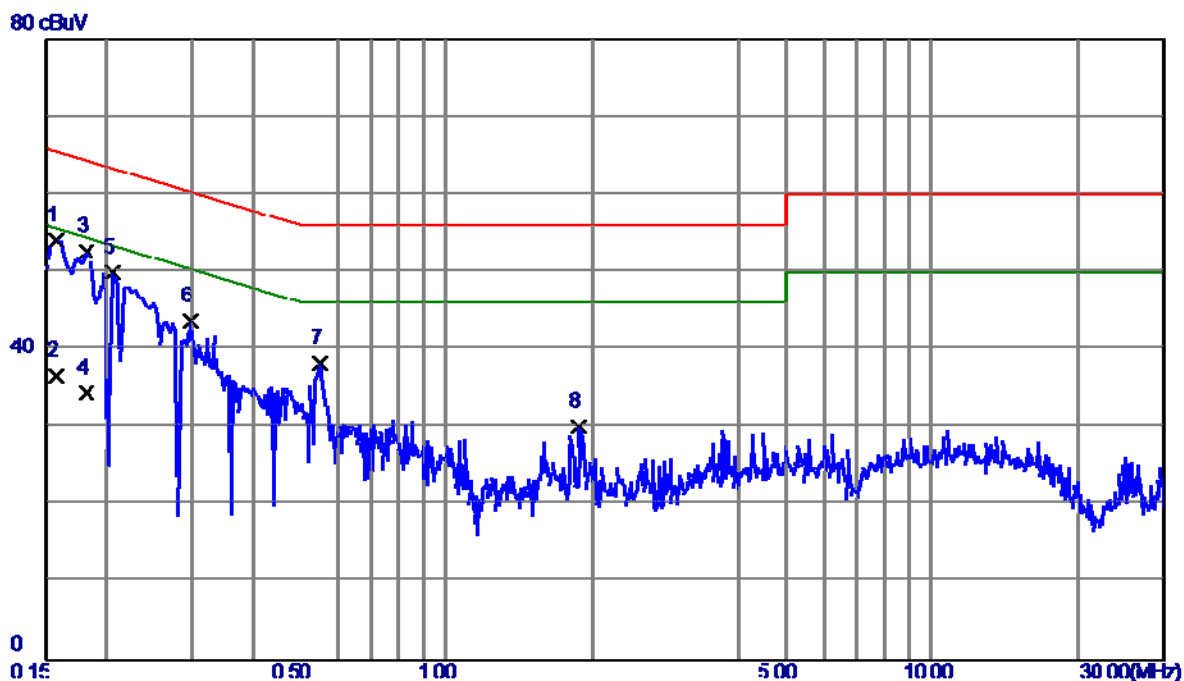
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1580	43.70	9.55	53.25	65.57	-12.32	Peak	
2	0.1900	45.46	9.57	55.03	64.04	-9.01	Peak	
3	0.1900	16.88	9.57	26.45	54.04	-27.59	AVG	
4	0.4180	29.92	9.68	39.60	57.49	-17.89	Peak	
5	0.5500	31.99	9.70	41.69	56.00	-14.31	Peak	
6	1.6820	25.07	9.87	34.94	56.00	-21.06	Peak	
7	4.5340	25.72	9.98	35.70	56.00	-20.30	Peak	

Test Mode : Normal Link

Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1580	44.55	9.49	54.04	65.57	-11.53	Peak	
2	0.1580	27.13	9.49	36.62	55.57	-18.95	AVG	
3	0.1819	43.16	9.49	52.65	64.40	-11.75	Peak	
4	0.1819	24.85	9.49	34.34	54.40	-20.06	AVG	
5	0.2060	40.46	9.50	49.96	63.37	-13.41	Peak	
6	0.2980	34.17	9.52	43.69	60.30	-16.61	Peak	
7	0.5500	28.72	9.56	38.28	56.00	-17.72	Peak	
8	1.8780	20.31	9.71	30.02	56.00	-25.98	Peak	

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

Test Mode:	TX B MODE CHANNEL 01
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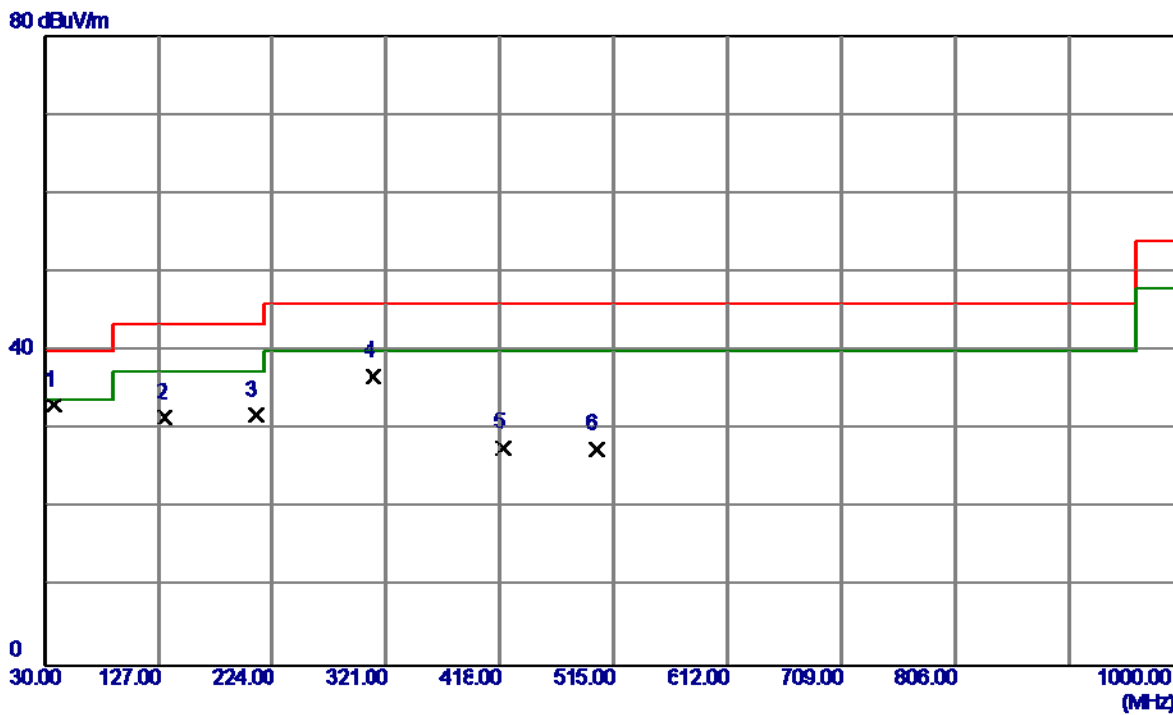
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0113	0°	13.19	24.8510	38.0410	126.5427	-88.5017	AVG
0.0113	0°	14.27	24.8510	39.1210	146.5427	-107.4217	PEAK
0.0247	0°	6.16	24.0023	30.1623	119.7503	-89.5880	AVG
0.0247	0°	8.09	24.0023	32.0923	139.7503	-107.6580	PEAK
0.0352	0°	3.13	23.3373	26.4673	116.6734	-90.2060	AVG
0.0352	0°	5.33	23.3373	28.6673	136.6734	-108.0060	PEAK
0.0551	0°	1.77	22.2980	24.0680	112.7812	-88.7132	AVG
0.0551	0°	2.09	22.2980	24.3880	132.7812	-108.3932	PEAK
0.5098	0°	19.95	19.8314	39.7814	73.4562	-33.6749	QP
1.9423	0°	23.18	19.5058	42.6858	69.5400	-26.8542	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0119	90°	13.23	24.3000	37.5300	126.0933	-88.5633	AVG
0.0119	90°	14.18	24.3000	38.4800	146.0933	-107.6133	PEAK
0.0243	90°	7.75	24.0277	31.7777	119.8921	-88.1144	AVG
0.0243	90°	8.95	24.0277	32.9777	139.8921	-106.9144	PEAK
0.0436	90°	5.33	22.8053	28.1353	114.8145	-86.6792	AVG
0.0436	90°	6.31	22.8053	29.1153	134.8145	-105.6992	PEAK
0.0528	90°	1.19	22.3440	23.5340	113.1515	-89.6175	AVG
0.0528	90°	2.78	22.3440	25.1240	133.1515	-108.0275	PEAK
0.6265	90°	22.59	20.2048	42.7948	71.6658	-28.8710	QP
2.0552	90°	24.52	19.4669	43.9869	69.5400	-25.5531	QP

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

Test Mode: TX B MODE CHANNEL 01

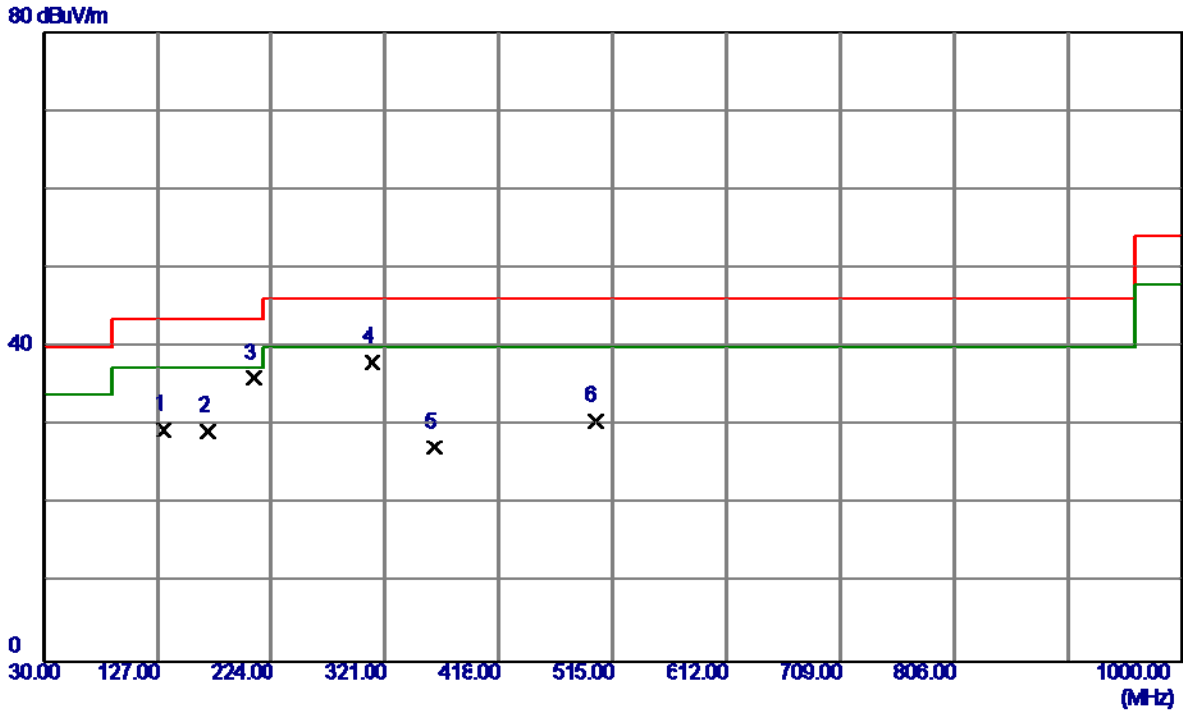
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	37.7599	46.09	-12.96	33.13	40.00	-6.87	QP	
2	132.8200	43.05	-11.52	31.53	43.50	-11.97	Peak	
3	209.4500	45.49	-13.72	31.77	43.50	-11.73	Peak	
4	310.3299	46.50	-9.65	36.85	46.00	-9.15	Peak	
5	420.9100	34.38	-6.69	27.69	46.00	-18.31	Peak	
6	500.4500	34.84	-7.36	27.48	46.00	-18.52	Peak	

Test Mode: TX B MODE CHANNEL 01

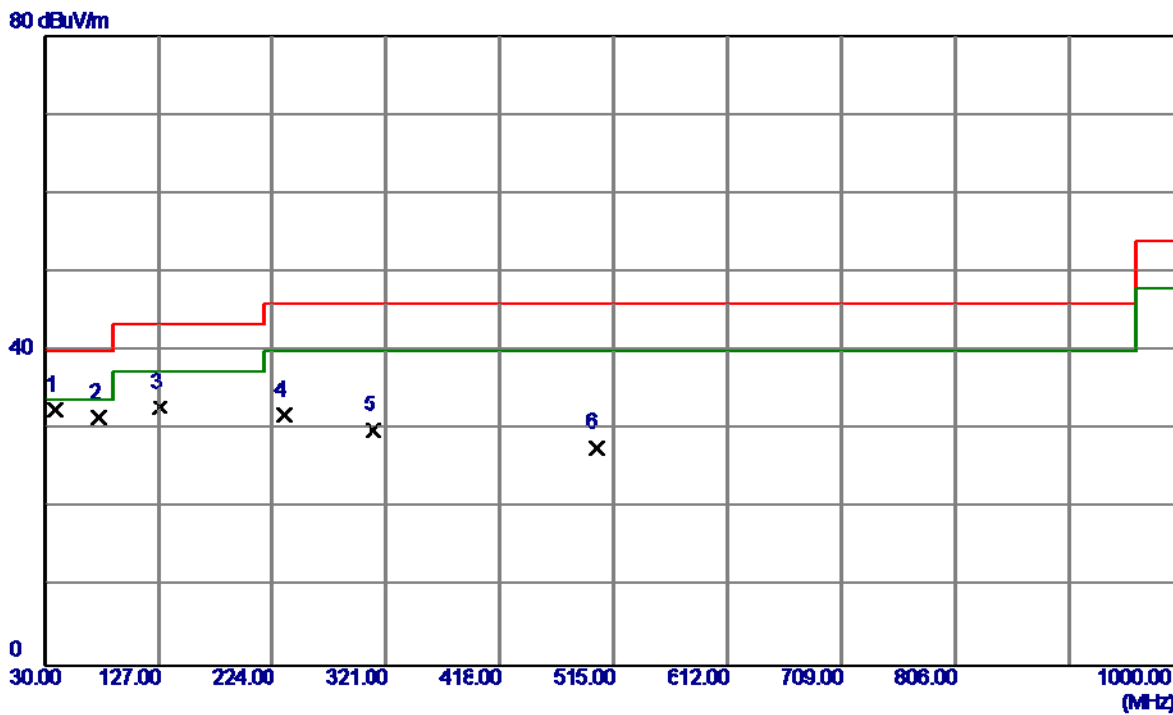
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	131.8500	40.92	-11.52	29.40	43.50	-14.10	Peak	
2	169.6799	40.41	-11.16	29.25	43.50	-14.25	Peak	
3	208.4800	49.66	-13.71	35.95	43.50	-7.55	Peak	
4	310.3299	47.79	-9.65	38.14	46.00	-7.86	Peak	
5	362.7100	36.46	-9.25	27.21	46.00	-18.79	Peak	
6	500.4500	37.99	-7.36	30.63	46.00	-15.37	Peak	

Test Mode: TX B MODE CHANNEL 06

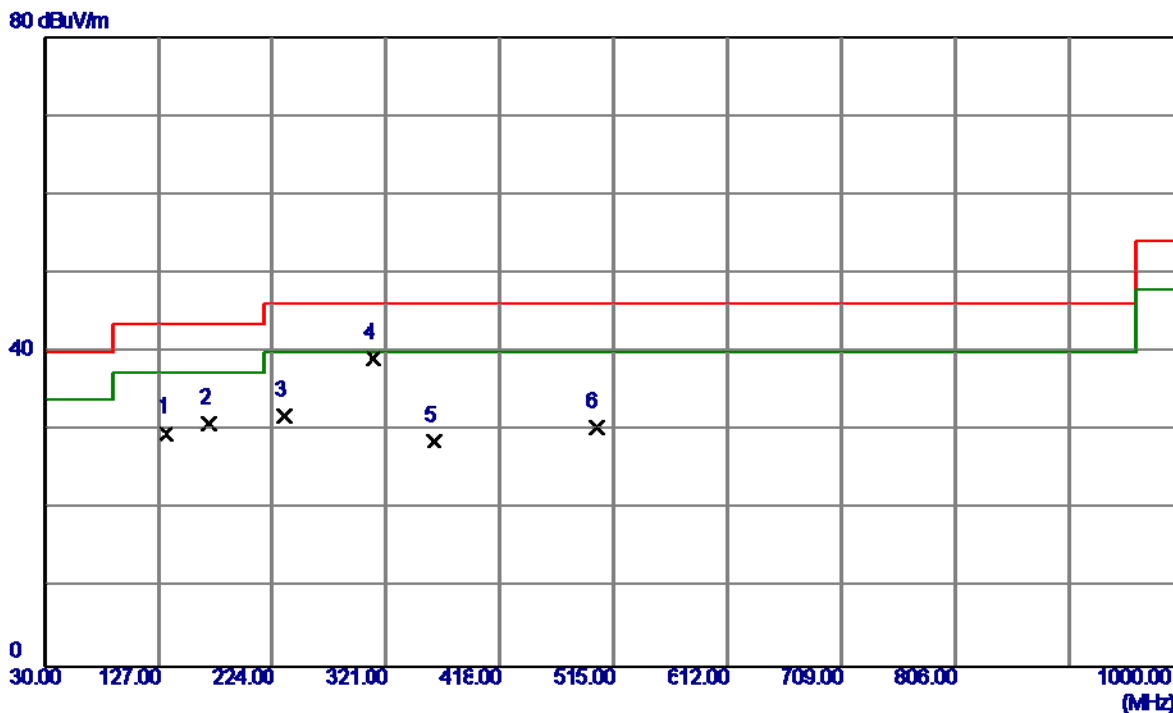
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	45.28	-12.83	32.45	40.00	-7.55	QP	
2	76.5600	46.91	-15.39	31.52	40.00	-8.48	Peak	
3	127.9700	44.55	-11.72	32.83	43.50	-10.67	Peak	
4	234.6700	44.50	-12.59	31.91	46.00	-14.09	Peak	
5	310.3299	39.61	-9.65	29.96	46.00	-16.04	Peak	
6	500.4500	34.99	-7.36	27.63	46.00	-18.37	Peak	

Test Mode: TX B MODE CHANNEL 06

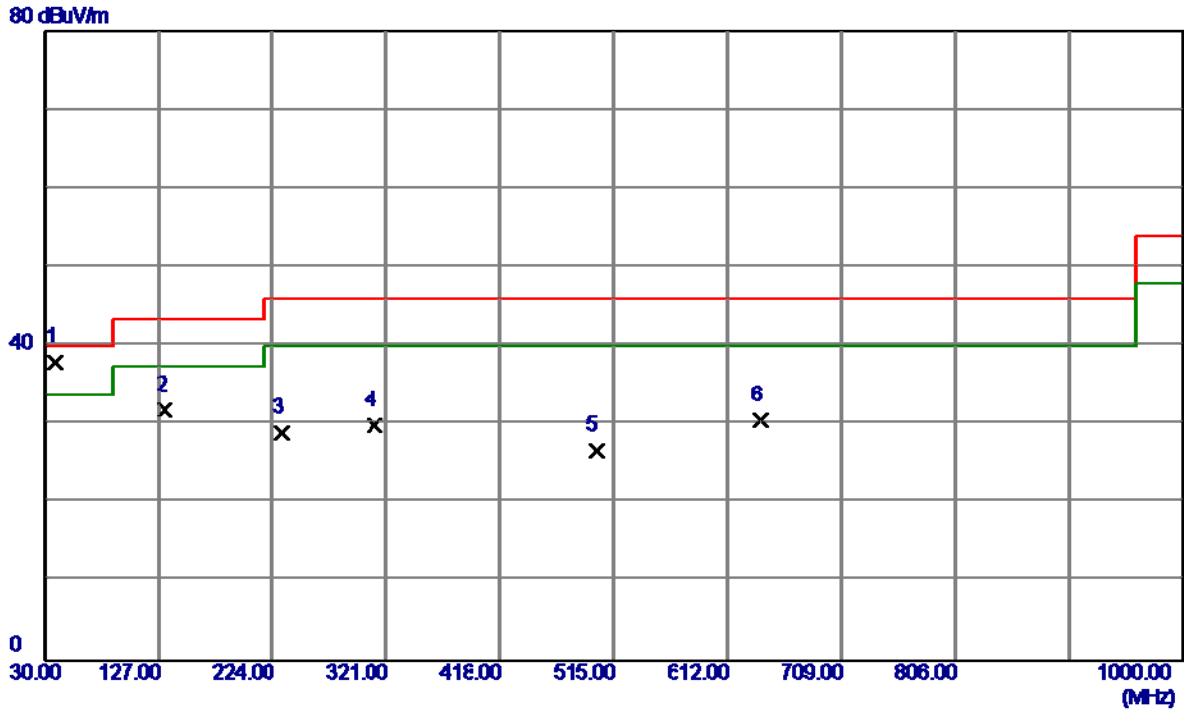
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	133.7899	41.21	-11.53	29.68	43.50	-13.82	Peak	
2	169.6799	41.98	-11.16	30.82	43.50	-12.68	Peak	
3	234.6700	44.40	-12.59	31.81	46.00	-14.19	Peak	
4	310.3299	48.79	-9.65	39.14	46.00	-6.86	Peak	
5	361.7400	37.92	-9.30	28.62	46.00	-17.38	Peak	
6	500.4500	37.70	-7.36	30.34	46.00	-15.66	Peak	

Test Mode: TX B MODE CHANNEL 11

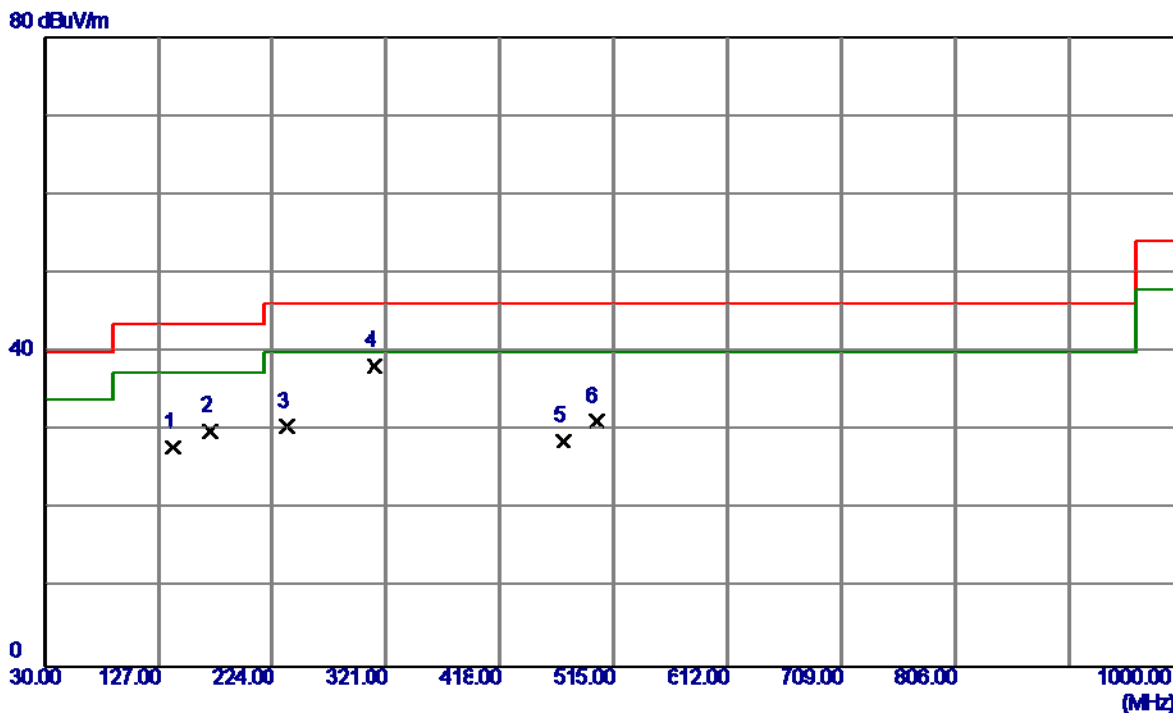
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	50.72	-12.83	37.89	40.00	-2.11	Peak	
2	132.8200	43.39	-11.52	31.87	43.50	-11.63	Peak	
3	232.7300	41.67	-12.66	29.01	46.00	-16.99	Peak	
4	311.3000	39.53	-9.66	29.87	46.00	-16.13	Peak	
5	500.4500	34.09	-7.36	26.73	46.00	-19.27	Peak	
6	640.1300	32.76	-2.23	30.53	46.00	-15.47	Peak	

Test Mode: TX B MODE CHANNEL 11

Horizontal

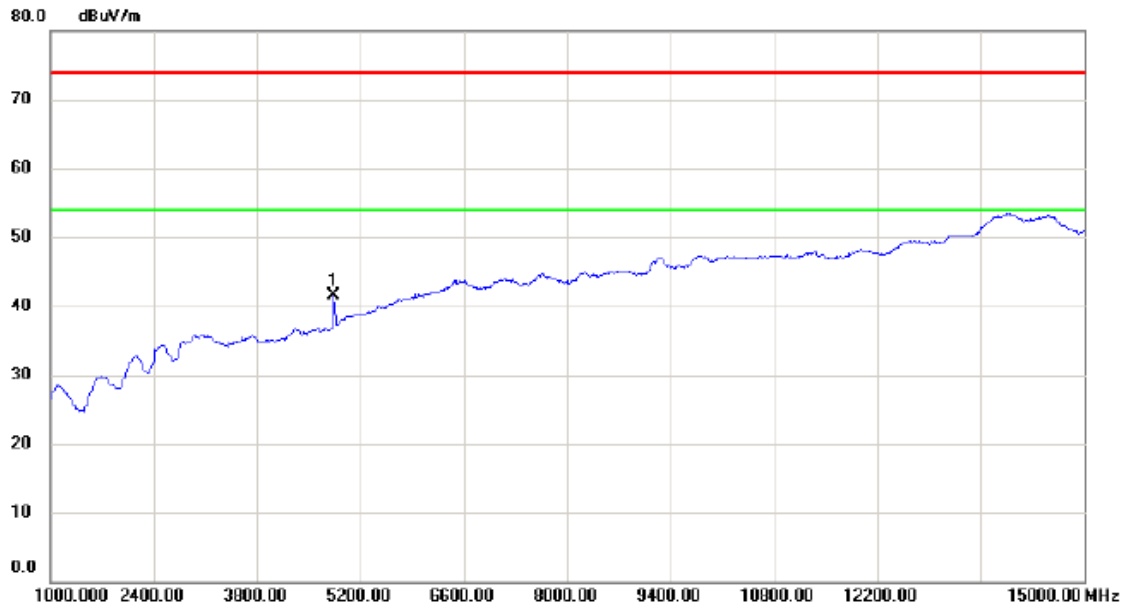


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	139.6100	39.45	-11.56	27.89	43.50	-15.61	Peak	
2	171.6200	41.03	-11.18	29.85	43.50	-13.65	Peak	
3	236.6100	43.00	-12.52	30.48	46.00	-15.52	Peak	
4	311.3000	47.90	-9.66	38.24	46.00	-7.76	Peak	
5	472.3200	35.16	-6.56	28.60	46.00	-17.40	Peak	
6	500.4500	38.48	-7.36	31.12	46.00	-14.88	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode: TX B MODE 2412MHz - Pretest

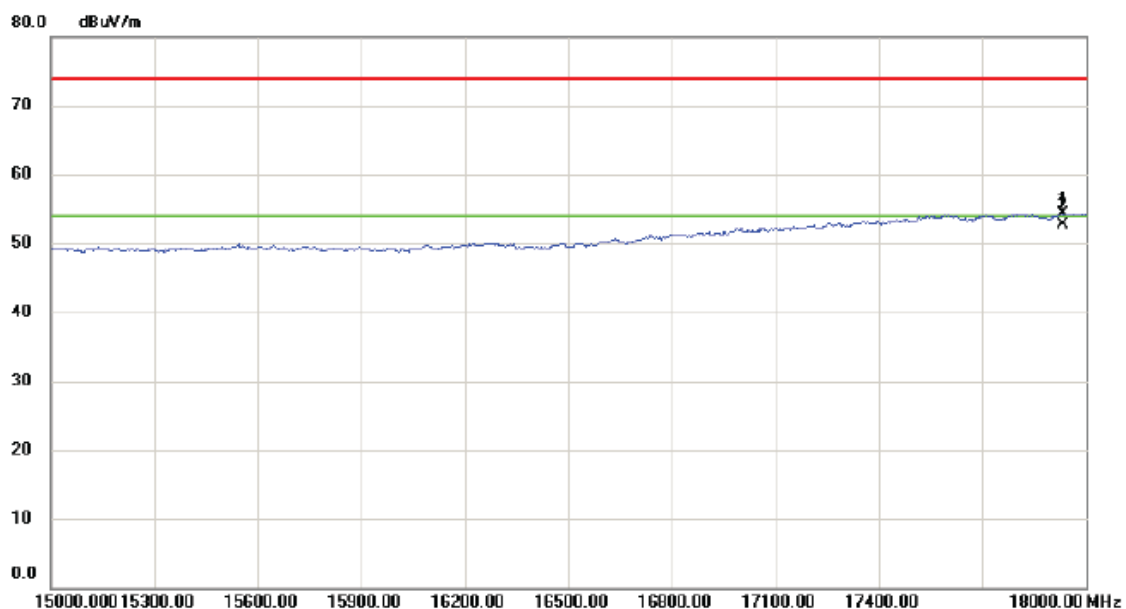
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4836.000	36.80	4.74	41.54	74.00	-32.46	peak	

Test Mode: TX B MODE 2412MHz - Pretest

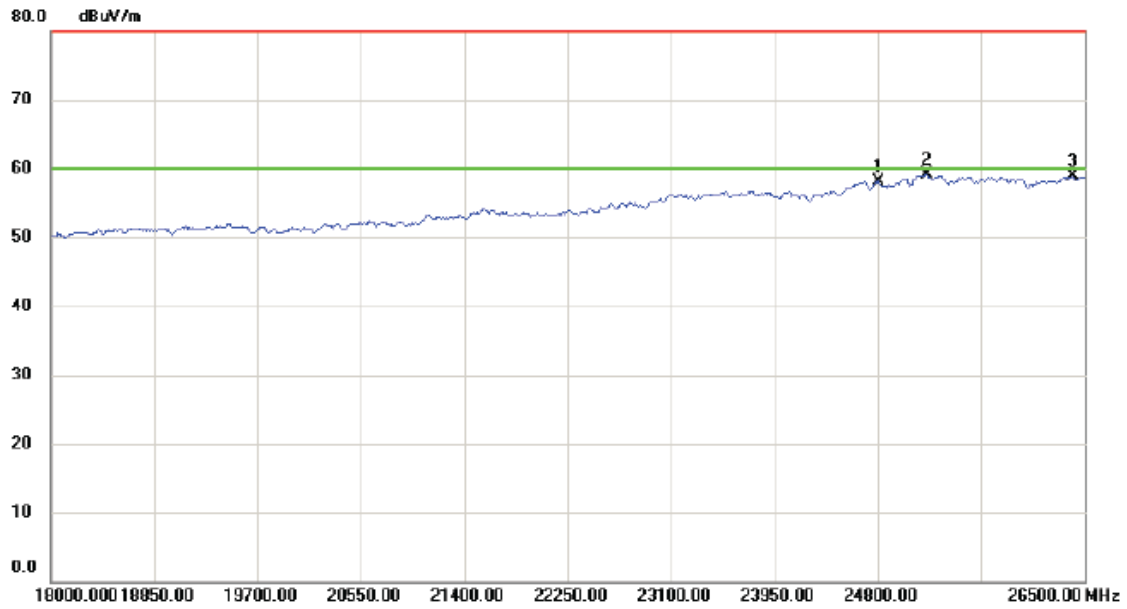
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17932.50	32.99	21.28	54.27	74.00	-19.73	peak	
2	*	17932.50	31.52	21.28	52.80	54.00	-1.20	AVG	

Test Mode: TX B MODE 2412MHz - Pretest

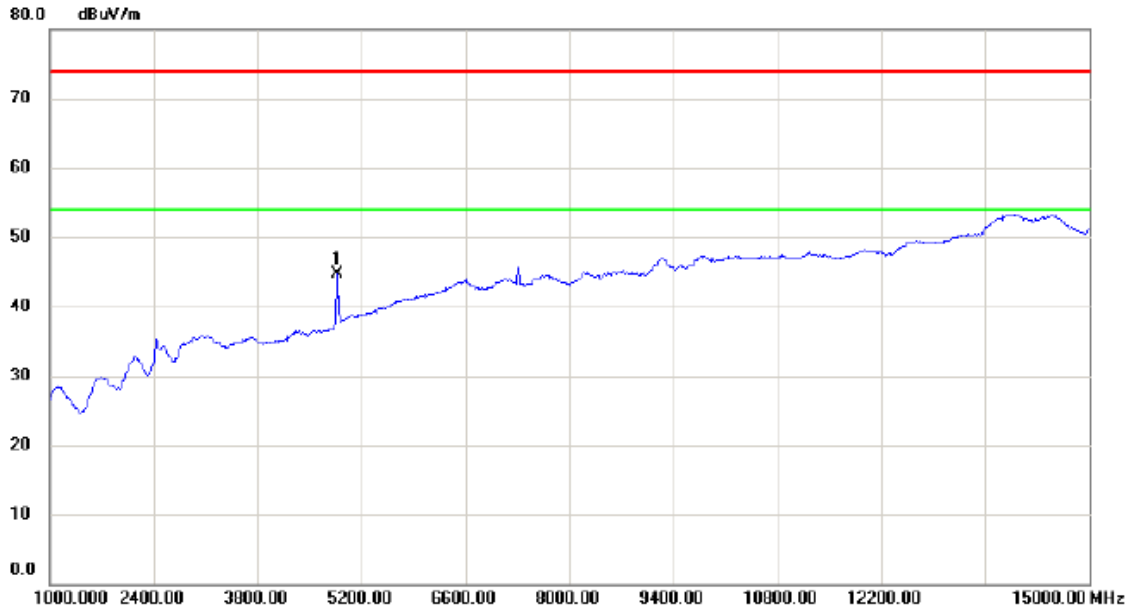
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		24800.00	36.15	22.05	58.20	80.00	-21.80	peak	
2	*	25203.75	36.58	22.62	59.20	80.00	-20.80	peak	
3		26402.25	35.83	23.10	58.93	80.00	-21.07	peak	

Test Mode: TX B MODE 2437MHz - Pretest

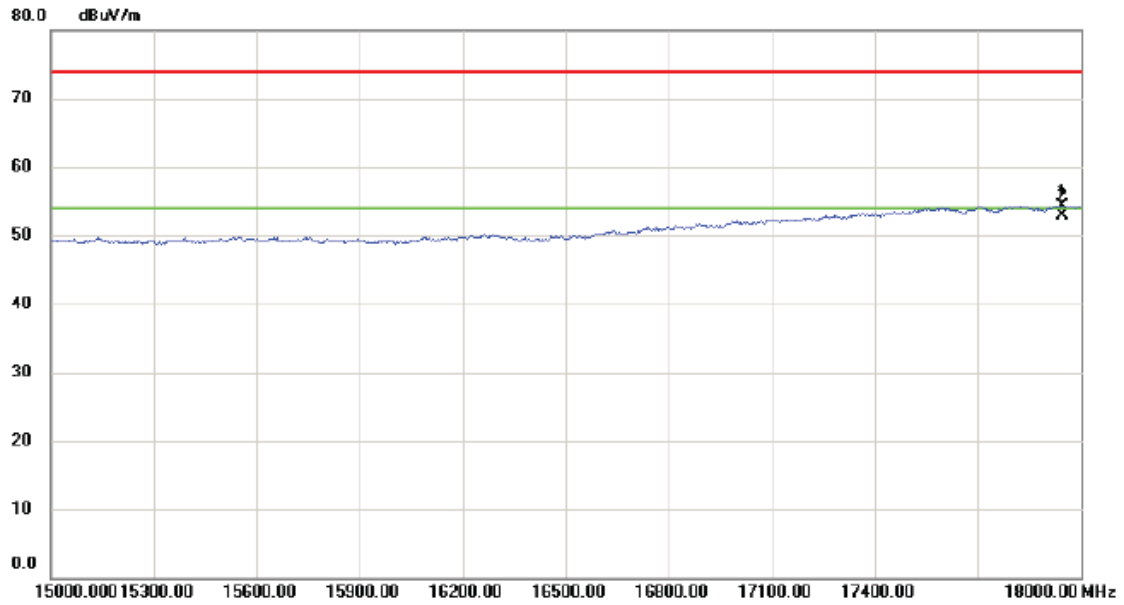
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4864.000	39.82	4.85	44.67	74.00	-29.33	peak	

Test Mode: TX B MODE 2437MHz - Pretest

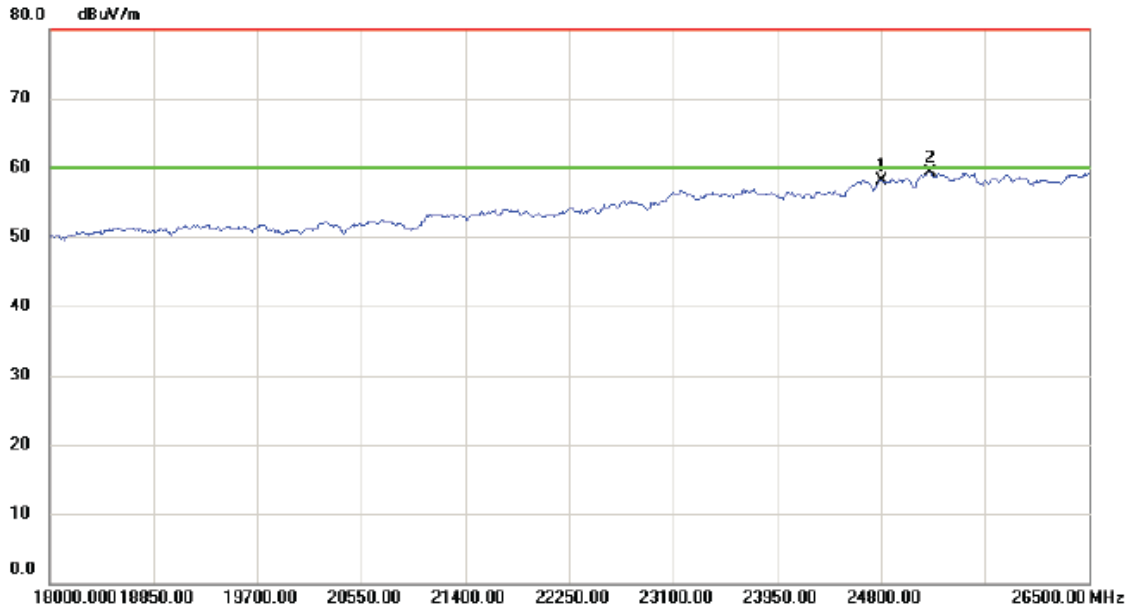
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17944.50	32.99	21.31	54.30	74.00	-19.70	peak	
2	*	17944.50	31.50	21.31	52.81	54.00	-1.19	AVG	

Test Mode: TX B MODE 2437MHz - Pretest

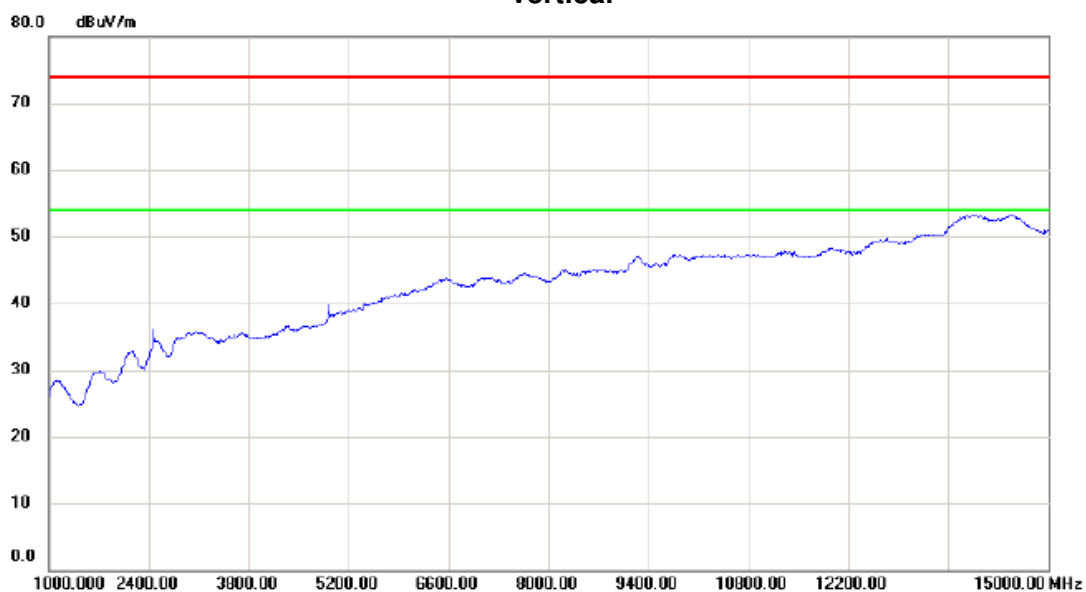
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		24800.00	36.13	22.05	58.18	80.00	-21.82	peak	
2	*	25199.50	36.65	22.63	59.28	80.00	-20.72	peak	

Test Mode: TX B MODE 2462MHz - Pretest

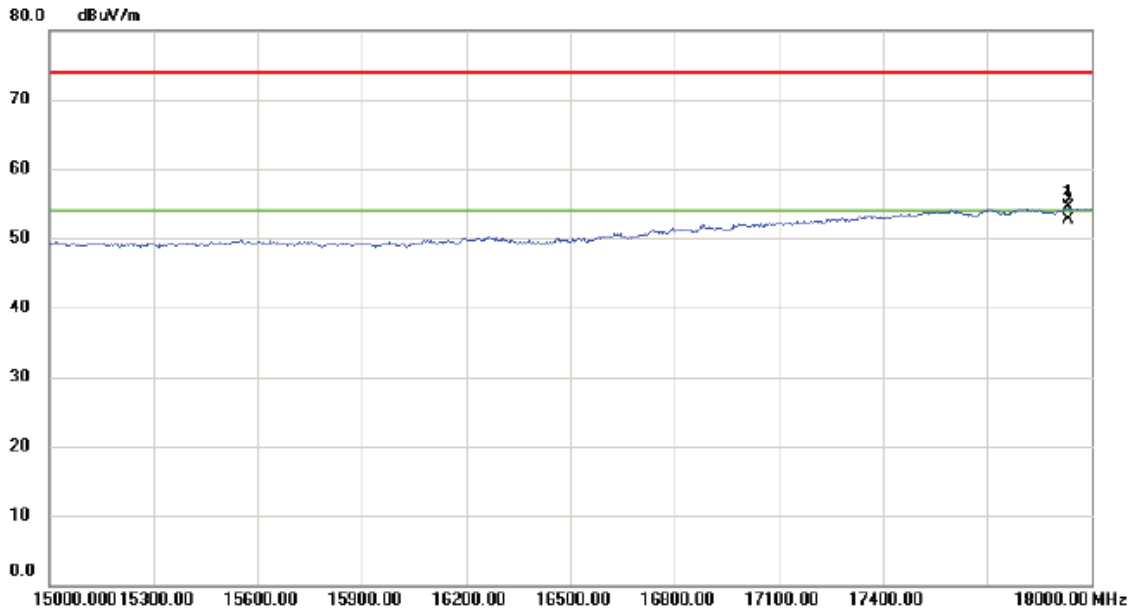
Vertical



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

Test Mode: TX B MODE 2462MHz - Pretest

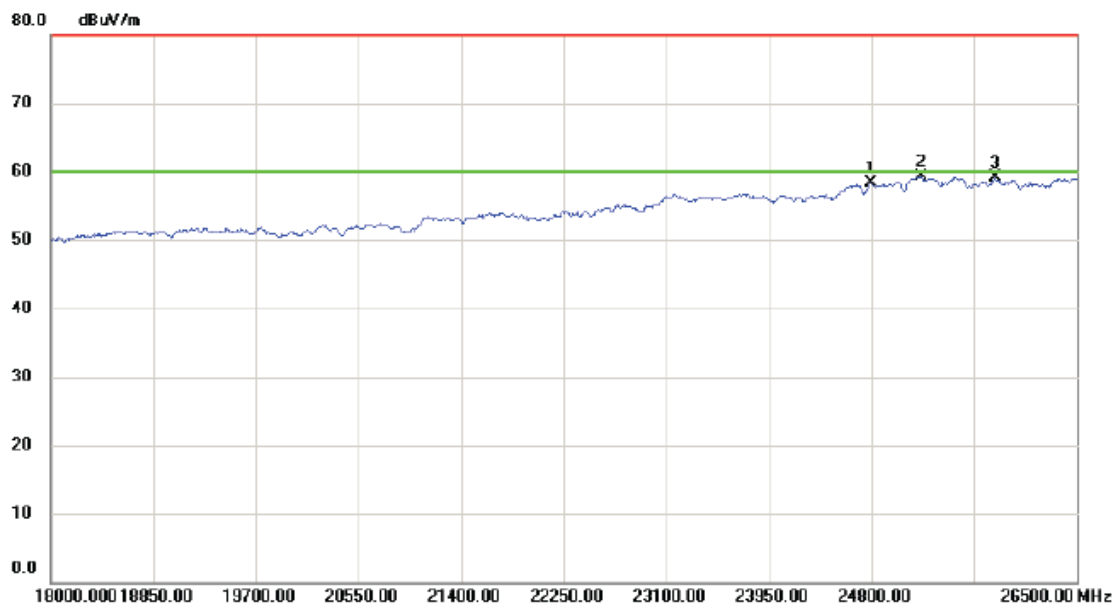
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17932.50	33.16	21.28	54.44	74.00	-19.56	peak	
2	*	17932.50	31.49	21.28	52.77	54.00	-1.23	AVG	

Test Mode: TX B MODE 2462MHz - Pretest

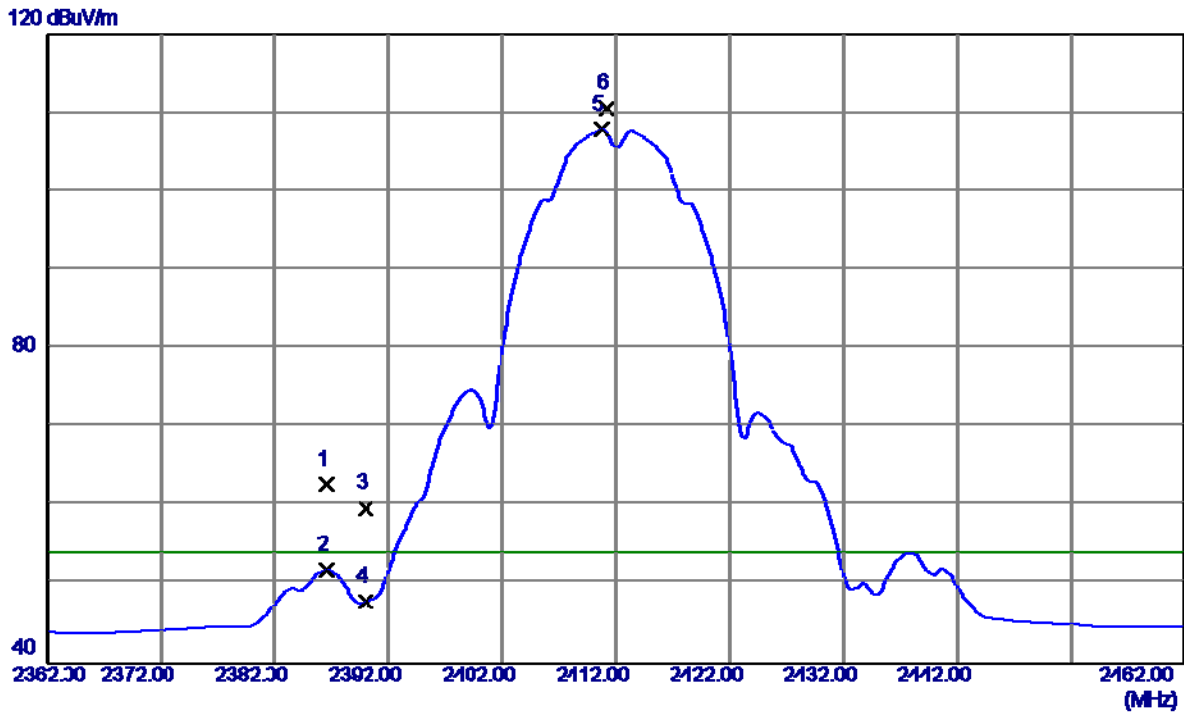
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		24791.50	36.20	22.01	58.21	80.00	-21.79	peak	
2	*	25208.00	36.63	22.62	59.25	80.00	-20.75	peak	
3		25820.00	37.37	21.65	59.02	80.00	-20.98	peak	

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

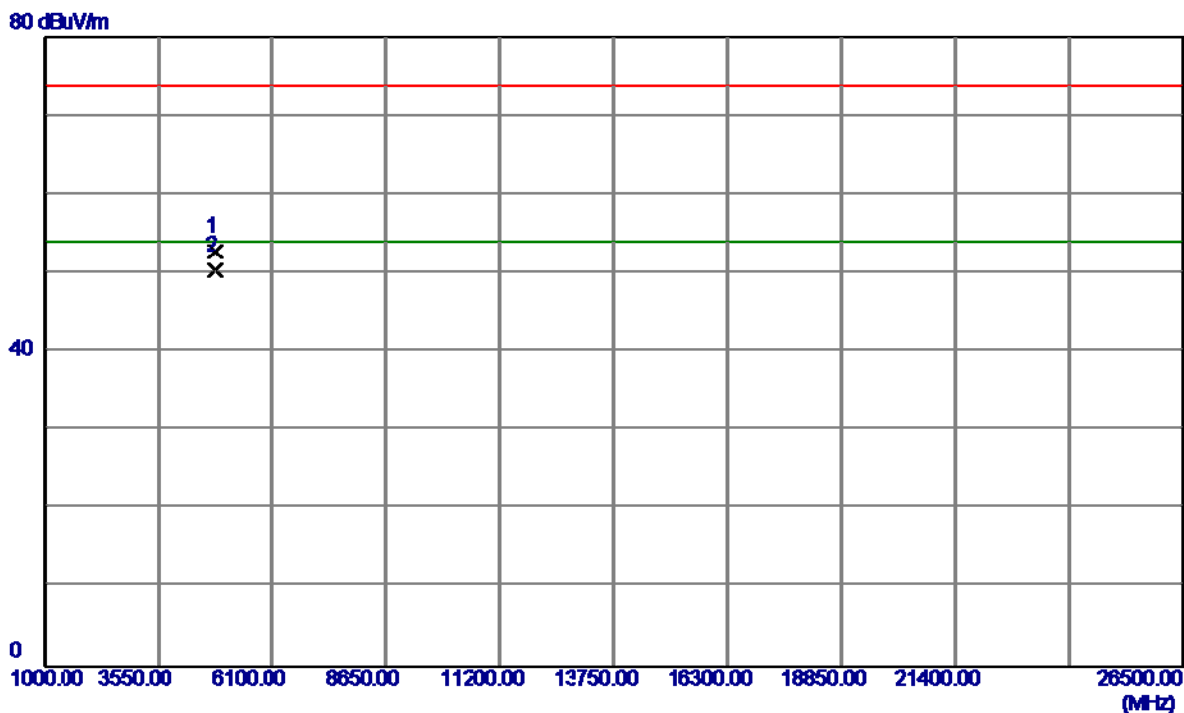
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2386.6000	30.08	32.67	62.75	74.00	-11.25	Peak	
2	2386.6000	19.17	32.67	51.84	54.00	-2.16	AVG	
3	2390.0000	27.05	32.68	59.73	74.00	-14.27	Peak	
4	2390.0000	15.18	32.68	47.86	54.00	-6.14	AVG	
5	2410.8000	75.12	32.71	107.83	54.00	53.83	AVG	No Limit
6	2411.2000	77.91	32.71	110.62	74.00	36.62	Peak	No Limit

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

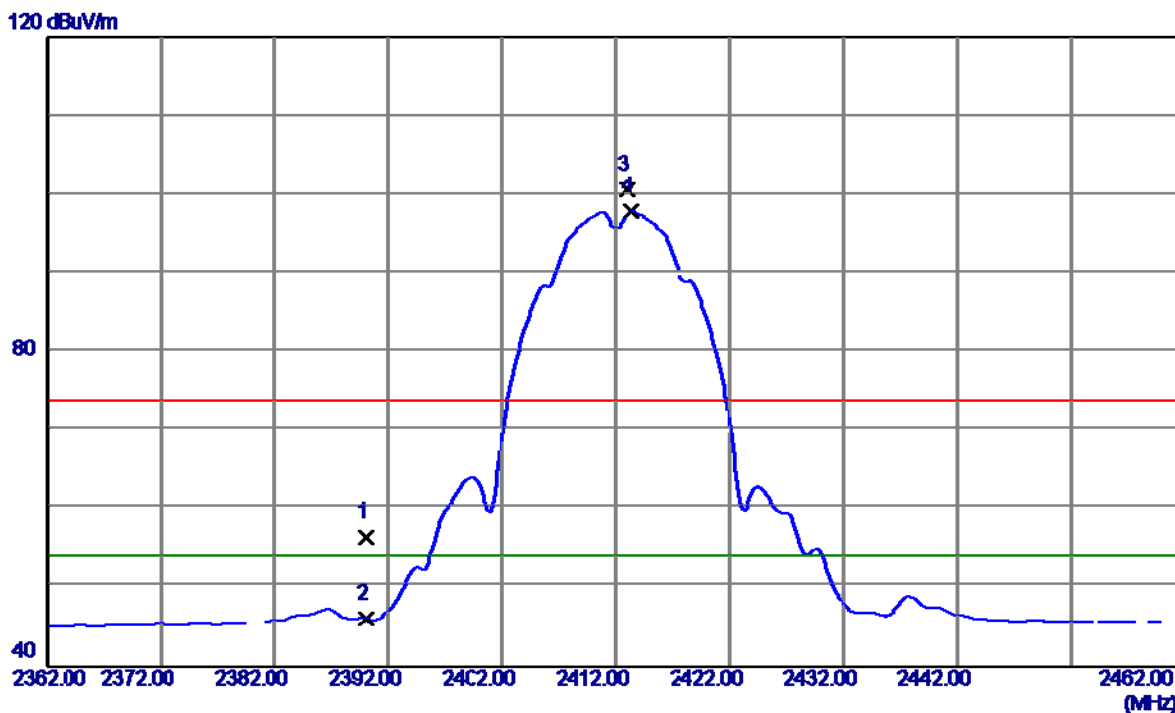
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9800	46.91	5.87	52.78	74.00	-21.22	Peak	
2	4824.0000	44.56	5.87	50.43	54.00	-3.57	AVG	

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

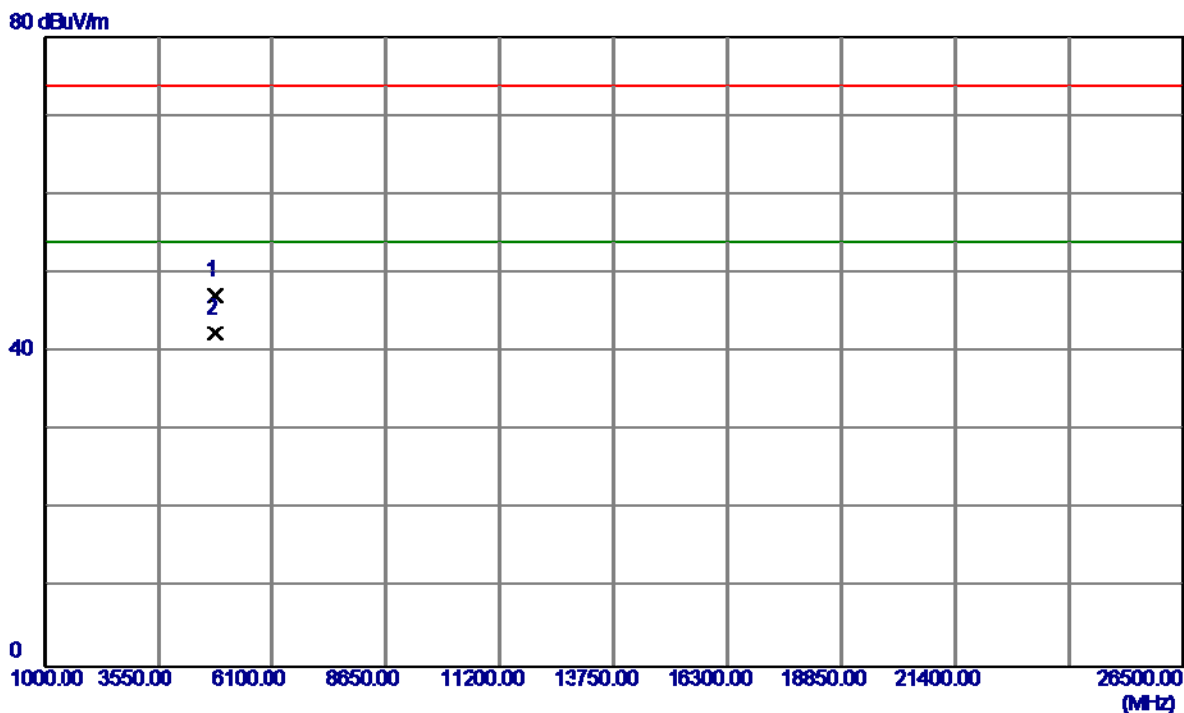
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.81	32.68	56.49	74.00	-17.51	Peak	
2	2390.0000	13.39	32.68	46.07	54.00	-7.93	AVG	
3	2413.0000	67.94	32.71	100.65	74.00	26.65	Peak	No Limit
4	2413.3000	65.22	32.71	97.93	54.00	43.93	AVG	No Limit

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

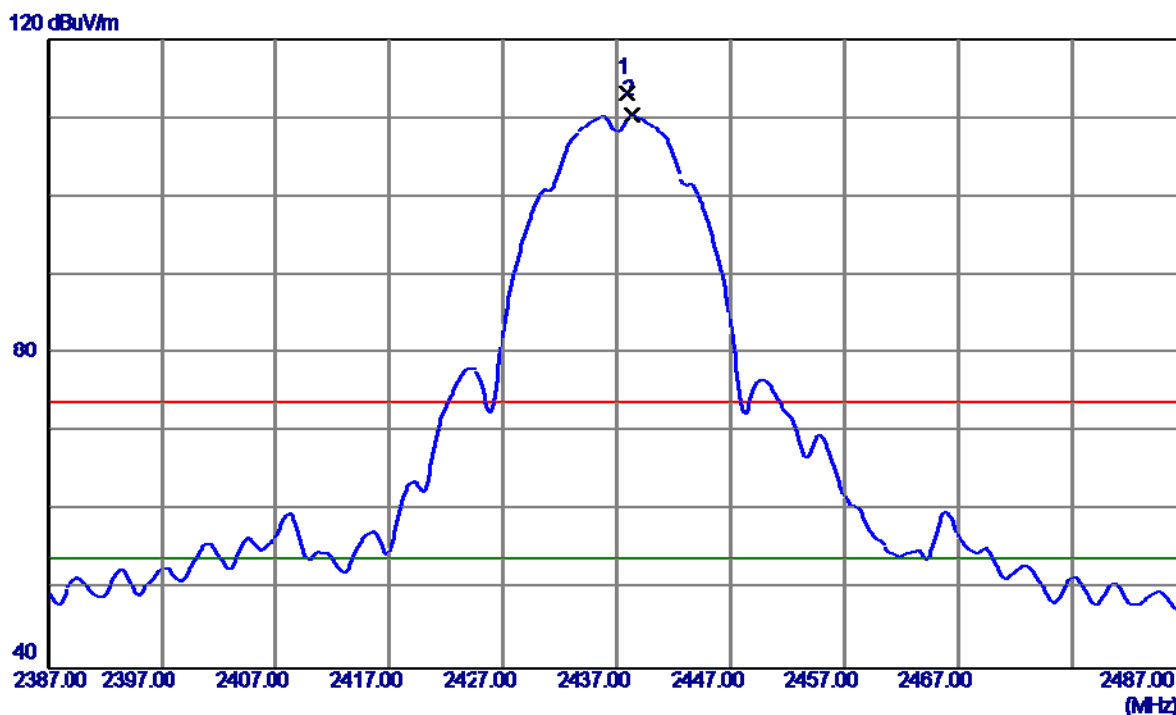
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.7500	41.29	5.87	47.16	74.00	-26.84	Peak	
2	4824.1000	36.58	5.87	42.45	54.00	-11.55	AVG	

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

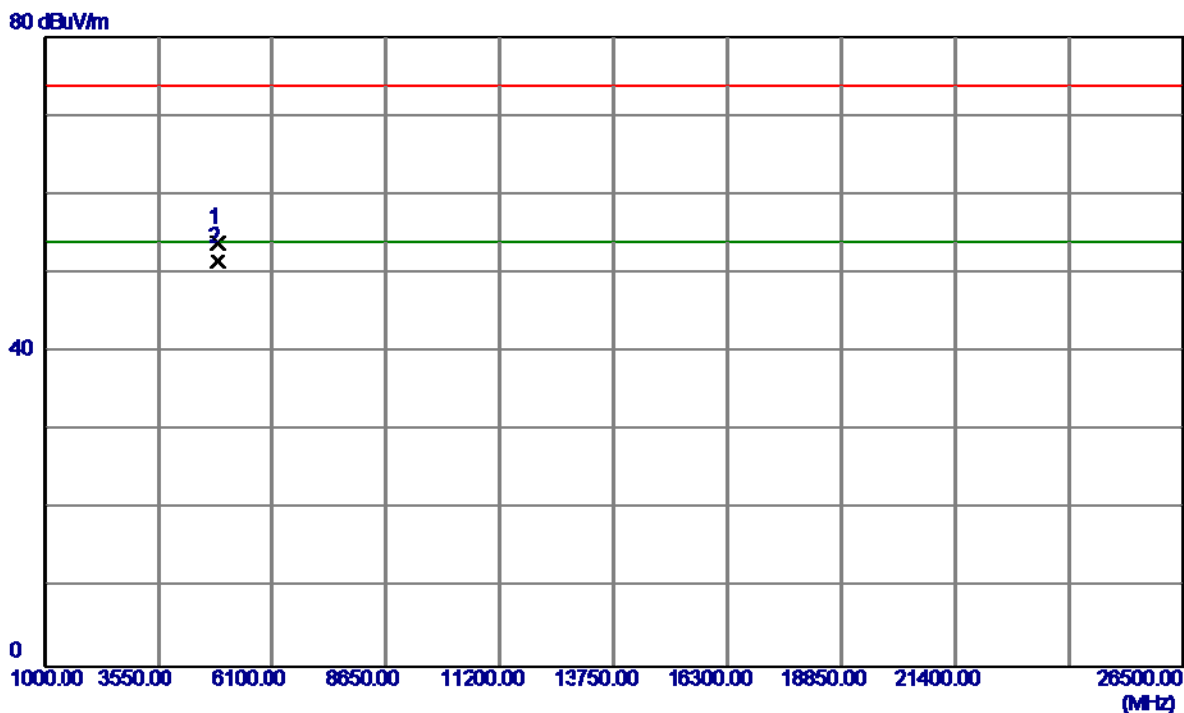
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2437.9000	80.40	32.74	113.14	74.00	39.14	Peak	No Limit
2	2438.3000	77.62	32.74	110.36	54.00	56.36	AVG	No Limit

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

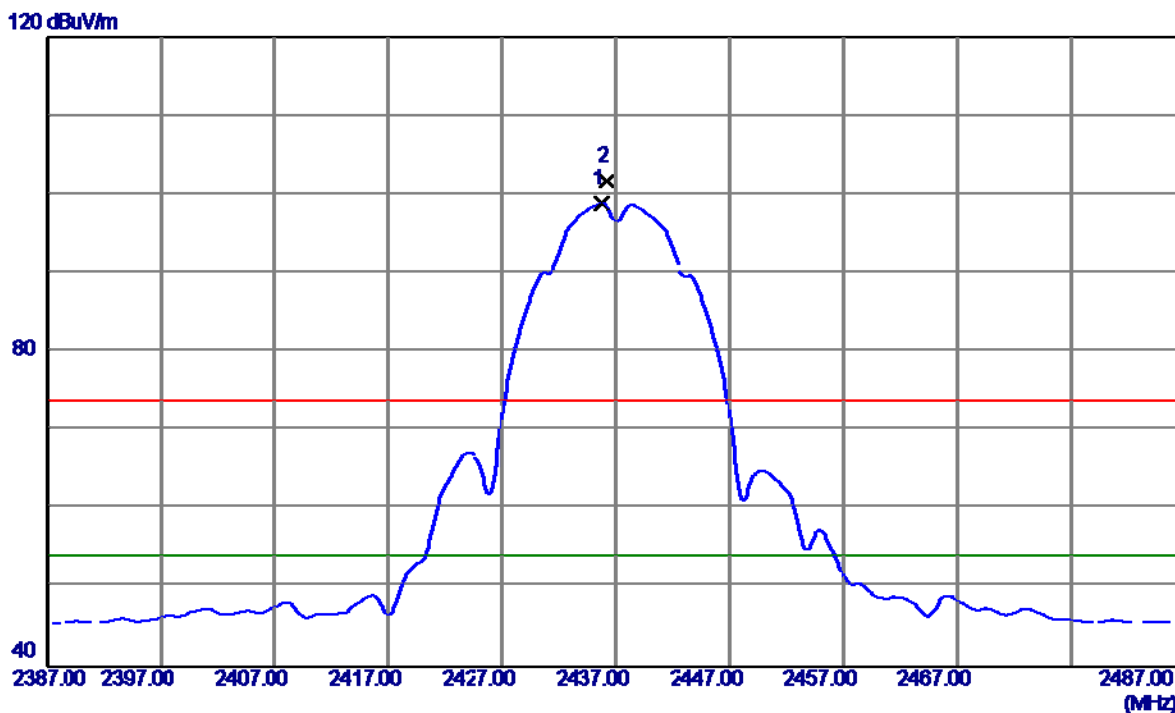
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0400	47.96	6.00	53.96	74.00	-20.04	Peak	
2	4874.0400	45.46	6.00	51.46	54.00	-2.54	AVG	

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

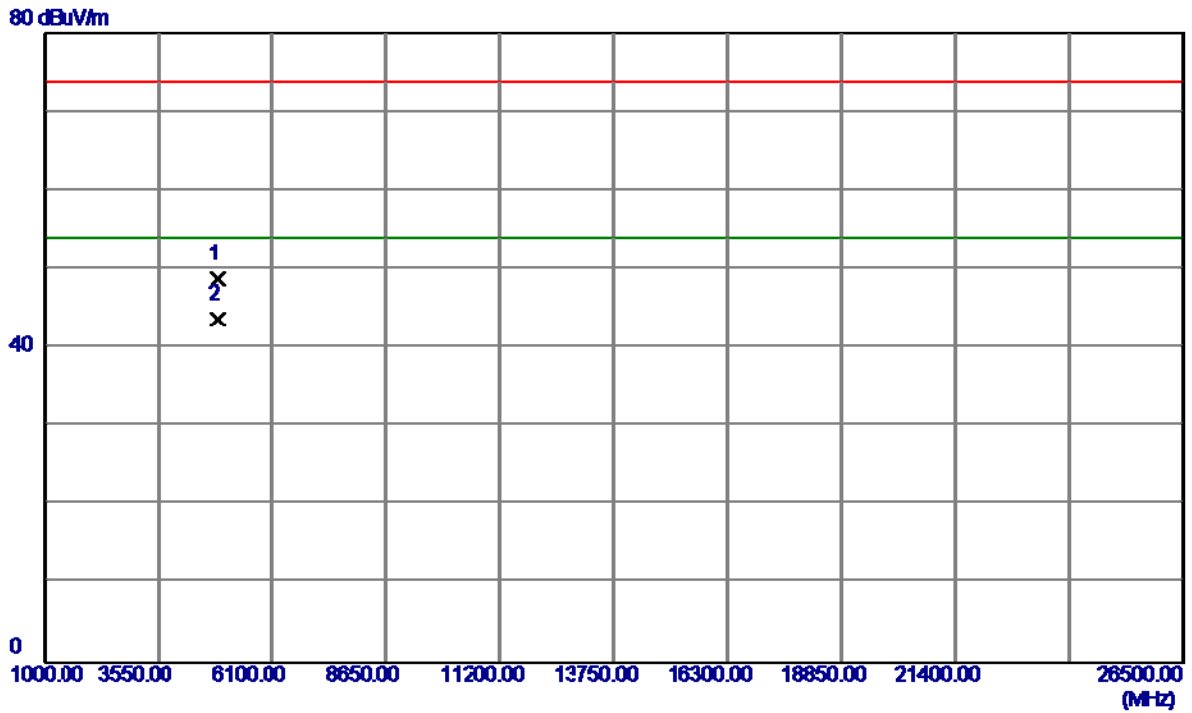
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2435.8000	66.17	32.74	98.91	54.00	44.91	AVG	No Limit
2	2436.2000	68.97	32.74	101.71	74.00	27.71	Peak	No Limit

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

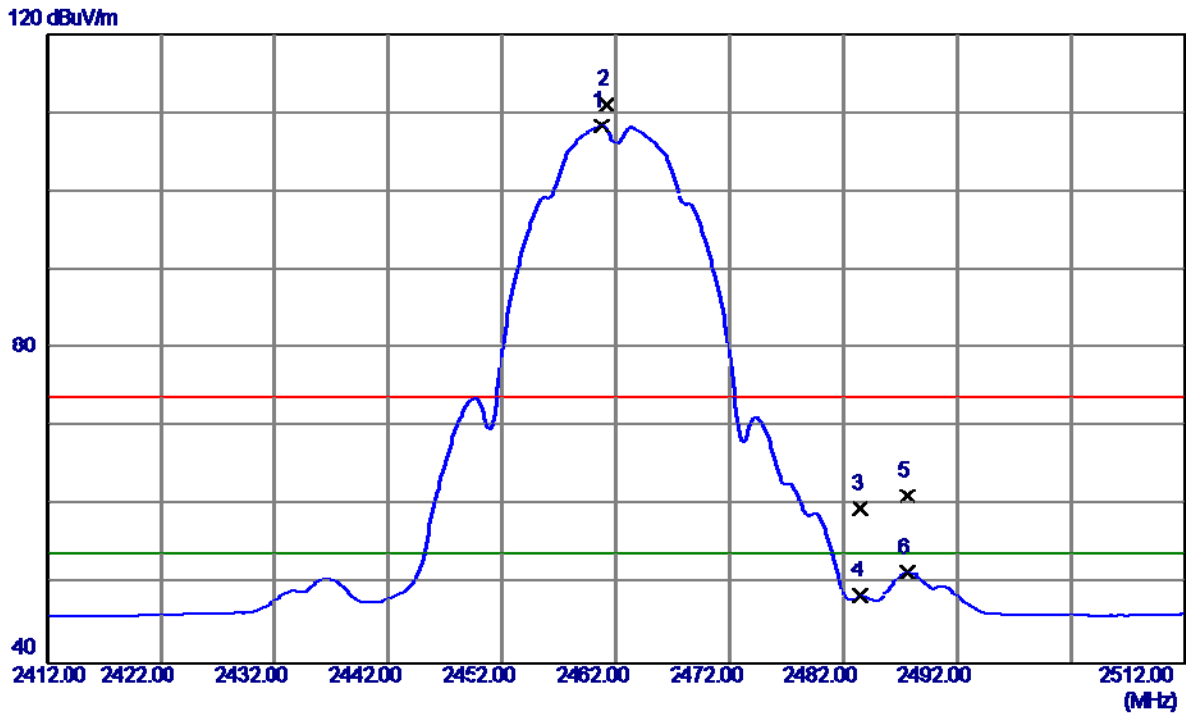
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.1200	42.78	6.00	48.78	74.00	-25.22	Peak	
2	4874.2000	37.74	6.00	43.74	54.00	-10.26	AVG	

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

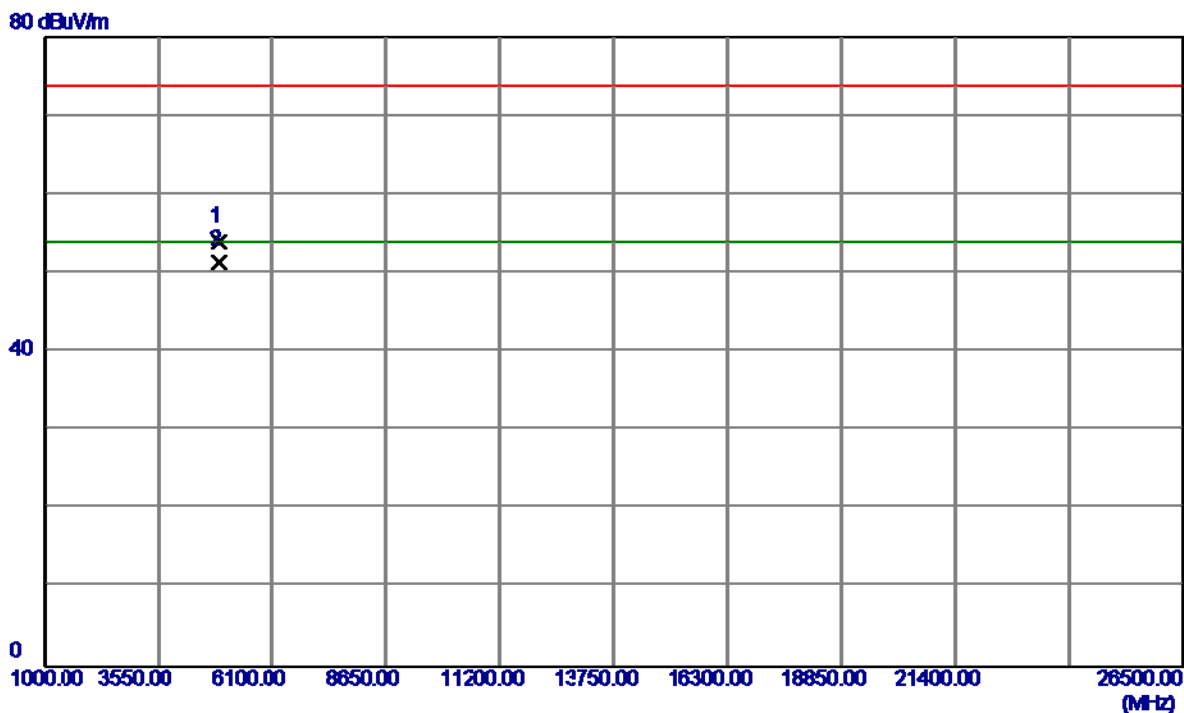
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2460.8000	75.54	32.78	108.32	54.00	54.32	AVG	No Limit
2	2461.2000	78.30	32.78	111.08	74.00	37.08	Peak	No Limit
3	2483.5000	26.87	32.81	59.68	74.00	-14.32	Peak	
4	2483.5000	15.79	32.81	48.60	54.00	-5.40	AVG	
5	2487.7000	28.44	32.81	61.25	74.00	-12.75	Peak	
6	2487.7000	18.67	32.81	51.48	54.00	-2.52	AVG	

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

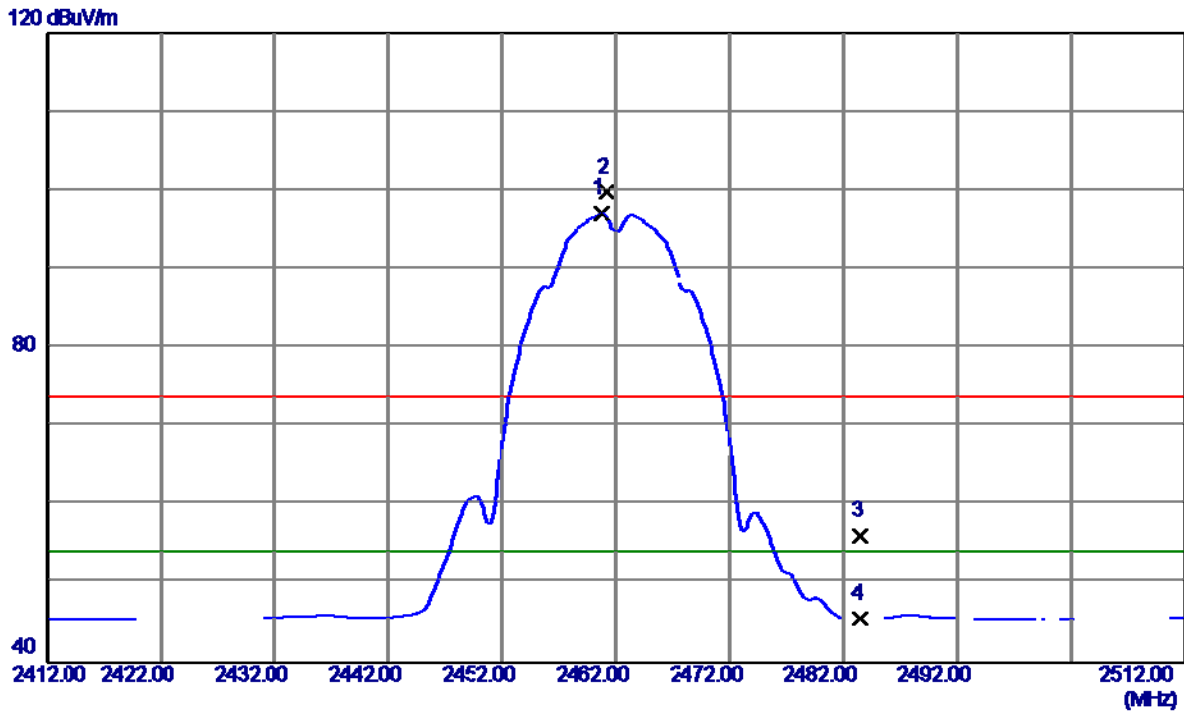
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.9600	47.94	6.14	54.08	74.00	-19.92	Peak	
2	4924.0400	45.14	6.14	51.28	54.00	-2.72	AVG	

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

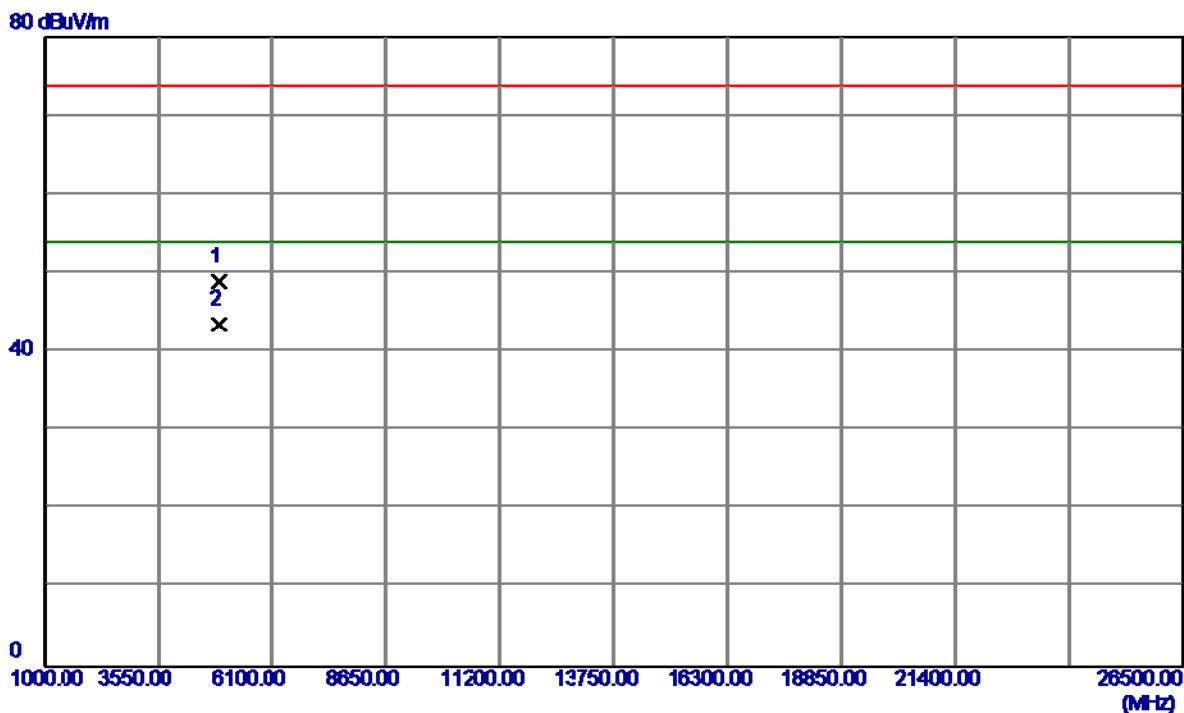
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2460.8000	64.33	32.78	97.11	54.00	43.11	AVG	No Limit
2	2461.2000	67.11	32.78	99.89	74.00	25.89	Peak	No Limit
3	2483.5000	23.33	32.81	56.14	74.00	-17.86	Peak	
4	2483.5000	12.79	32.81	45.60	54.00	-8.40	AVG	

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

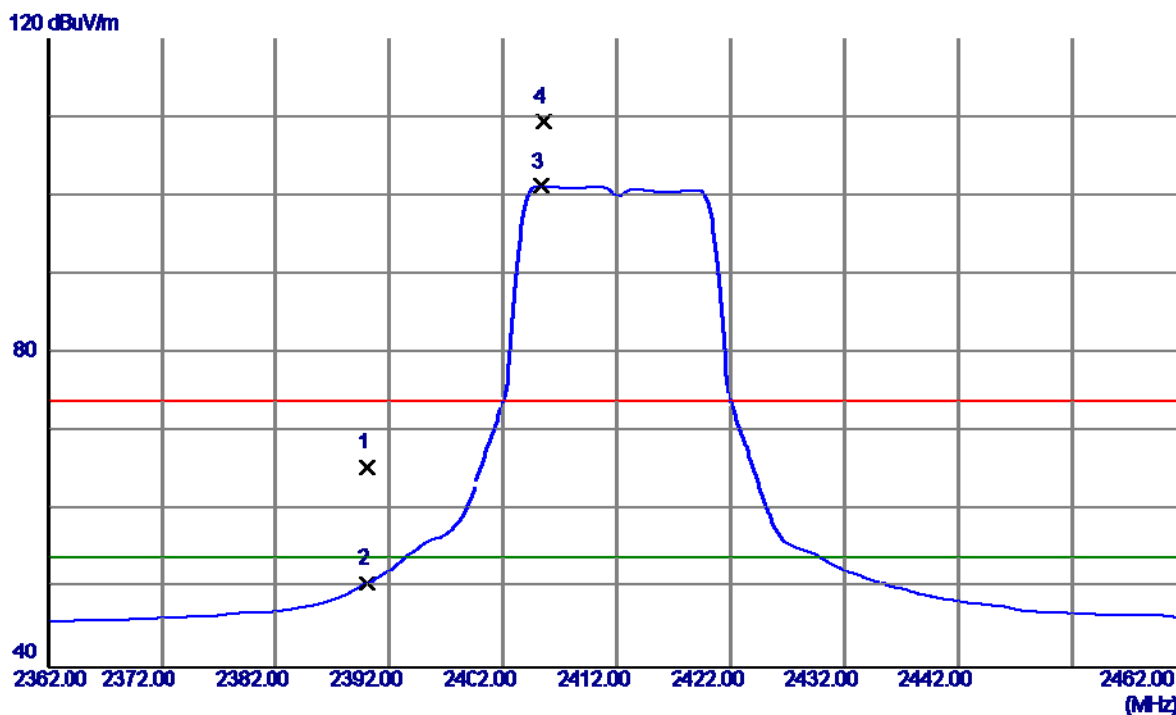
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.9000	42.87	6.14	49.01	74.00	-24.99	Peak	
2	4923.9600	37.41	6.14	43.55	54.00	-10.45	AVG	

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

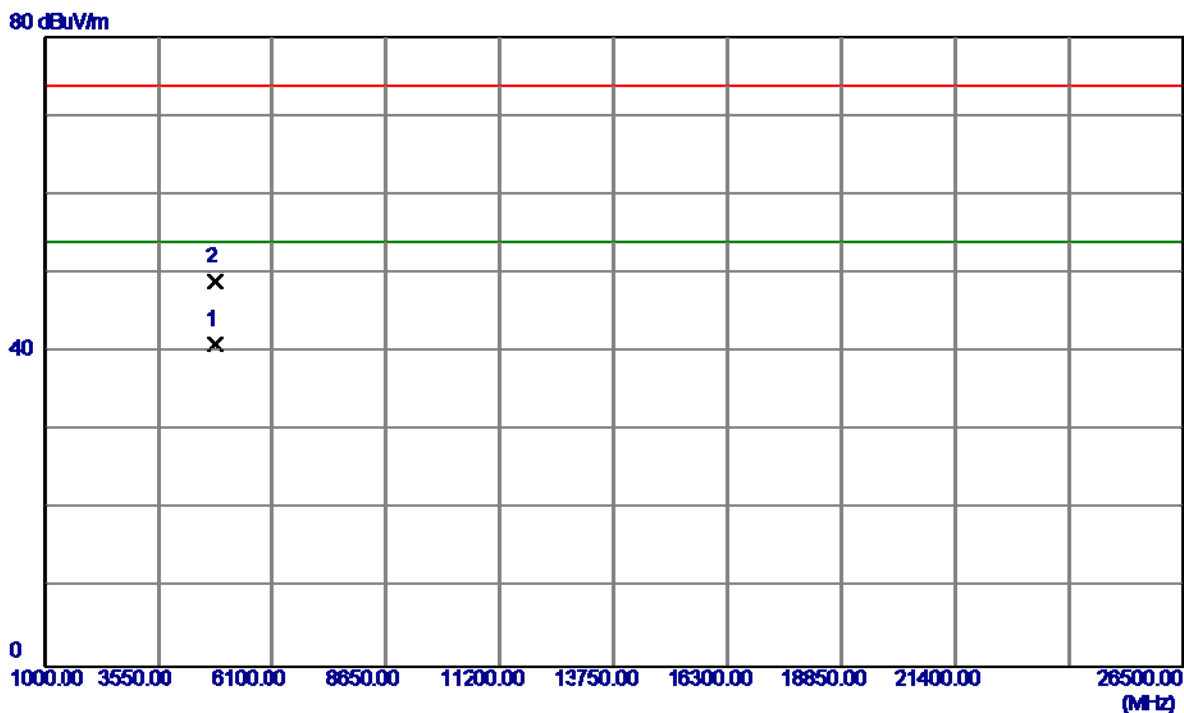
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	32.72	32.68	65.40	74.00	-8.60	Peak	
2	2390.0000	18.02	32.68	50.70	54.00	-3.30	AVG	
3	2405.3000	68.50	32.70	101.20	54.00	47.20	AVG	No Limit
4	2405.6000	76.75	32.70	109.45	74.00	35.45	Peak	No Limit

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

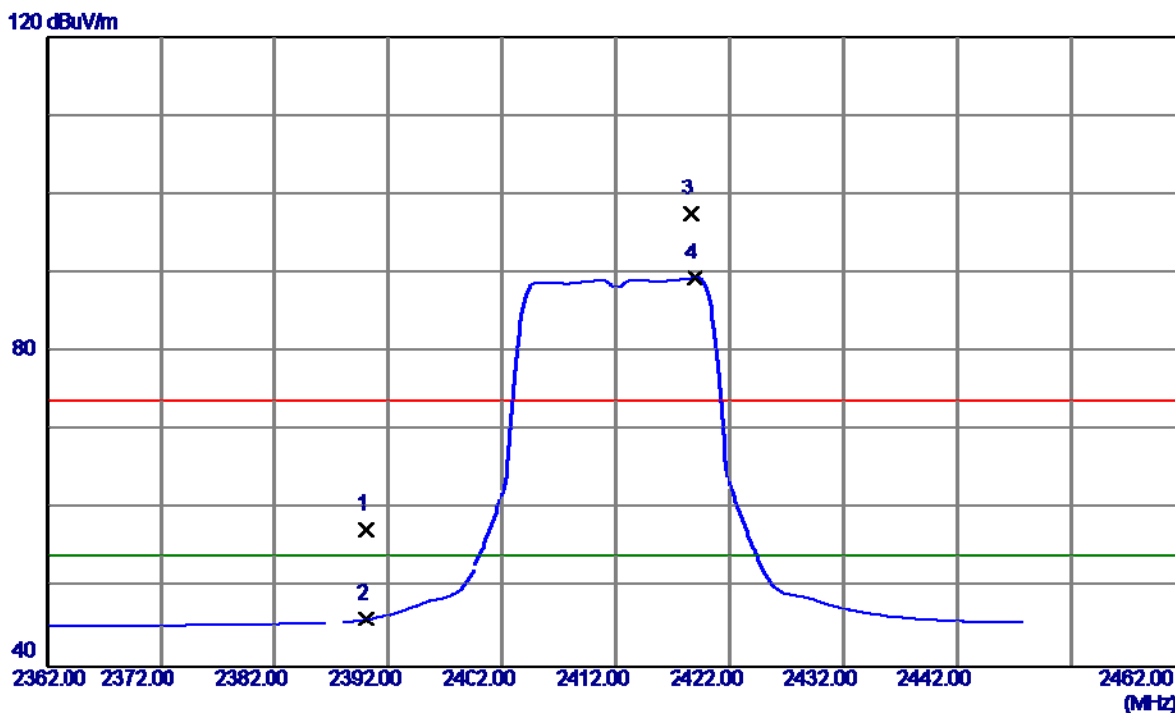
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.0200	35.14	5.87	41.01	54.00	-12.99	AVG	
2	4824.0400	43.03	5.87	48.90	74.00	-25.10	Peak	

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

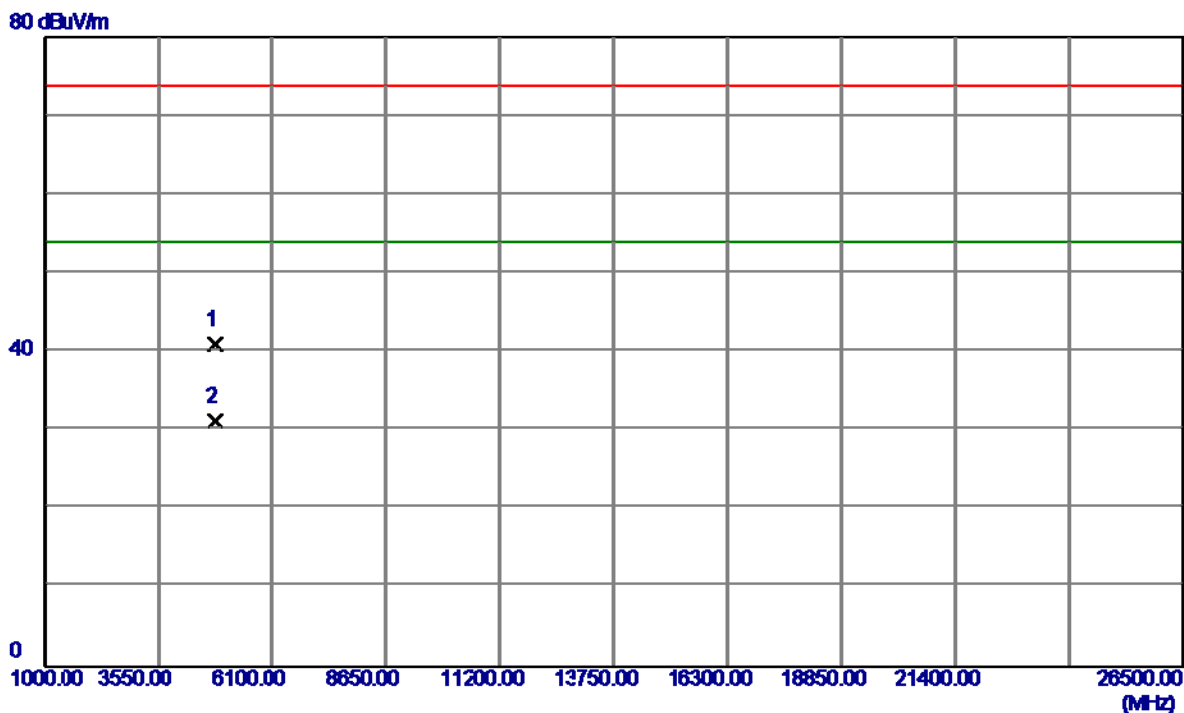
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.78	32.68	57.46	74.00	-16.54	Peak	
2	2390.0000	13.36	32.68	46.04	54.00	-7.96	AVG	
3	2418.7000	64.94	32.72	97.66	74.00	23.66	Peak	No Limit
4	2419.0000	56.68	32.72	89.40	54.00	35.40	AVG	No Limit

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

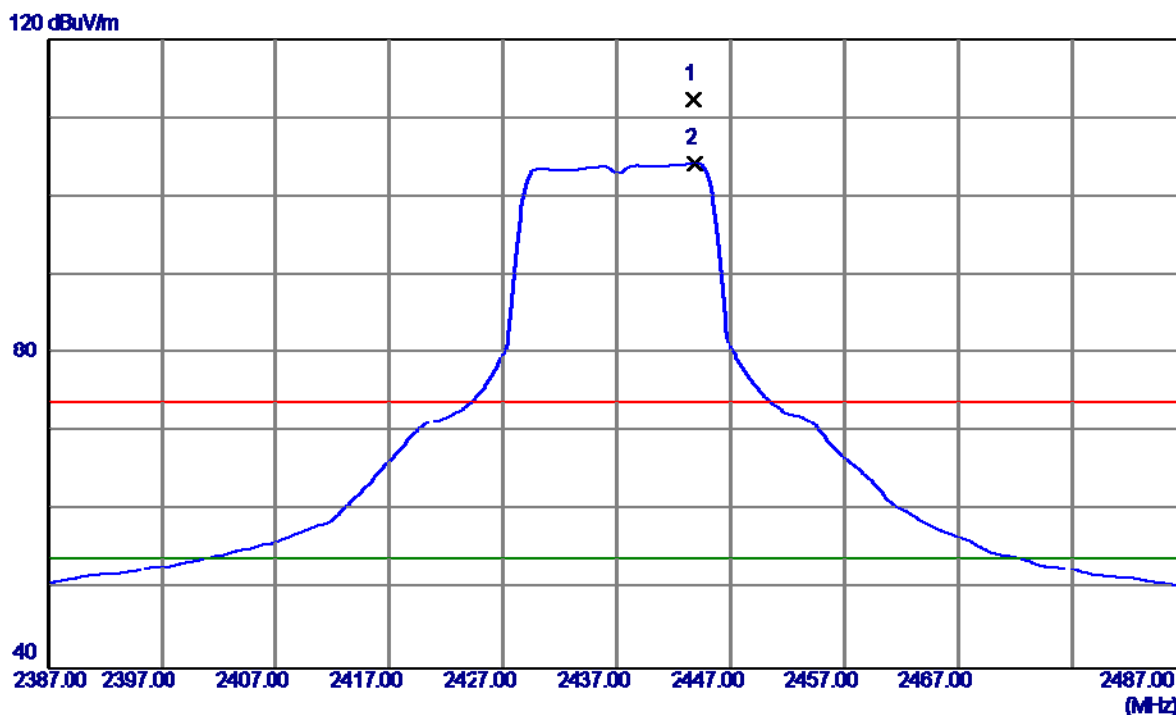
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.0200	35.16	5.87	41.03	74.00	-32.97	Peak	
2	4824.2300	25.38	5.87	31.25	54.00	-22.75	AVG	

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

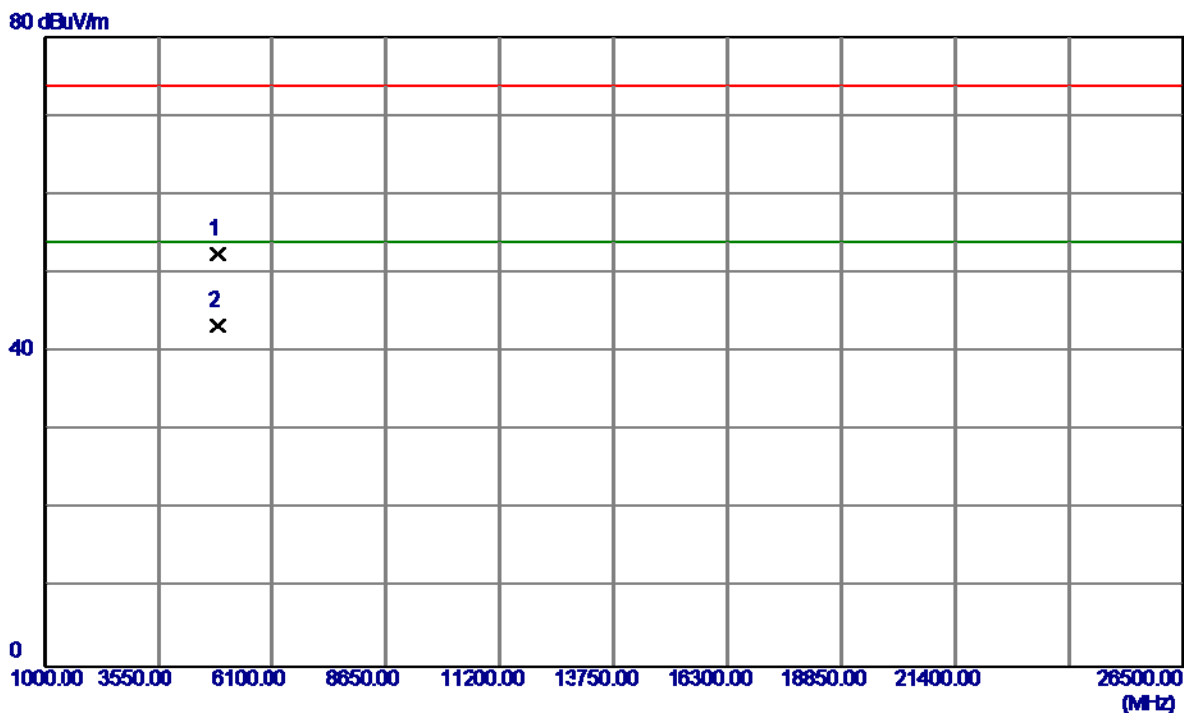
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2443.8000	79.61	32.75	112.36	74.00	38.36	Peak	No Limit
2	2443.9000	71.43	32.75	104.18	54.00	50.18	AVG	No Limit

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

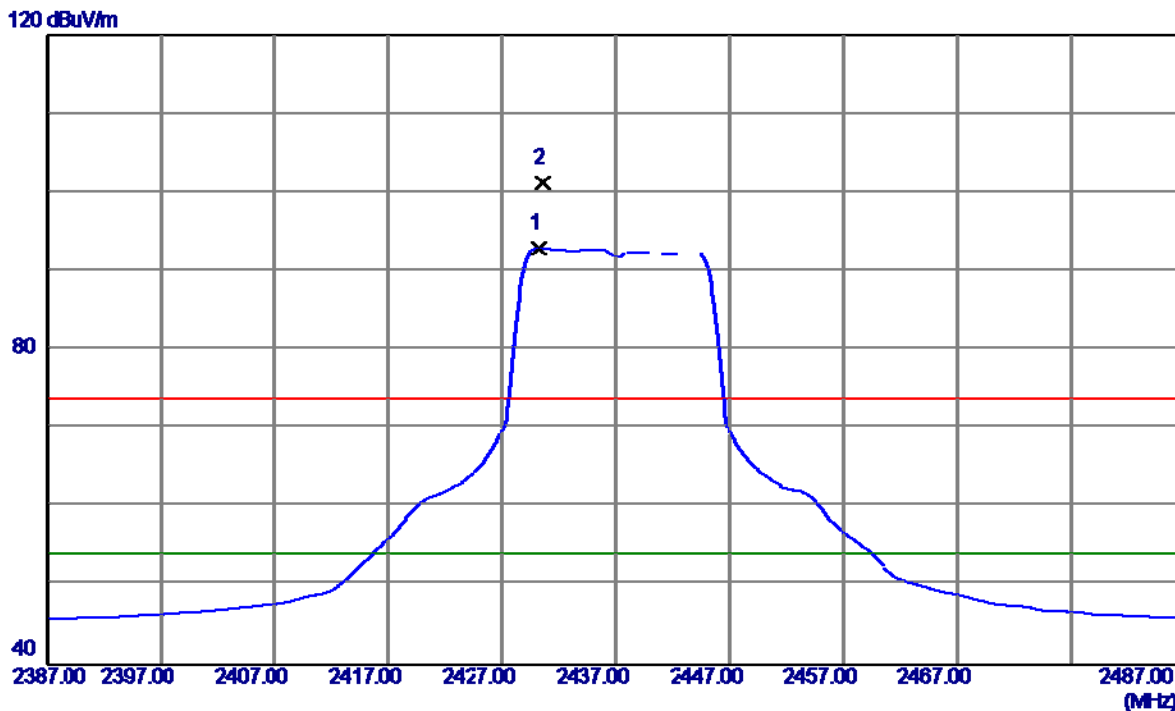
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0000	46.48	6.00	52.48	74.00	-21.52	Peak	
2	4874.0000	37.35	6.00	43.35	54.00	-10.65	AVG	

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

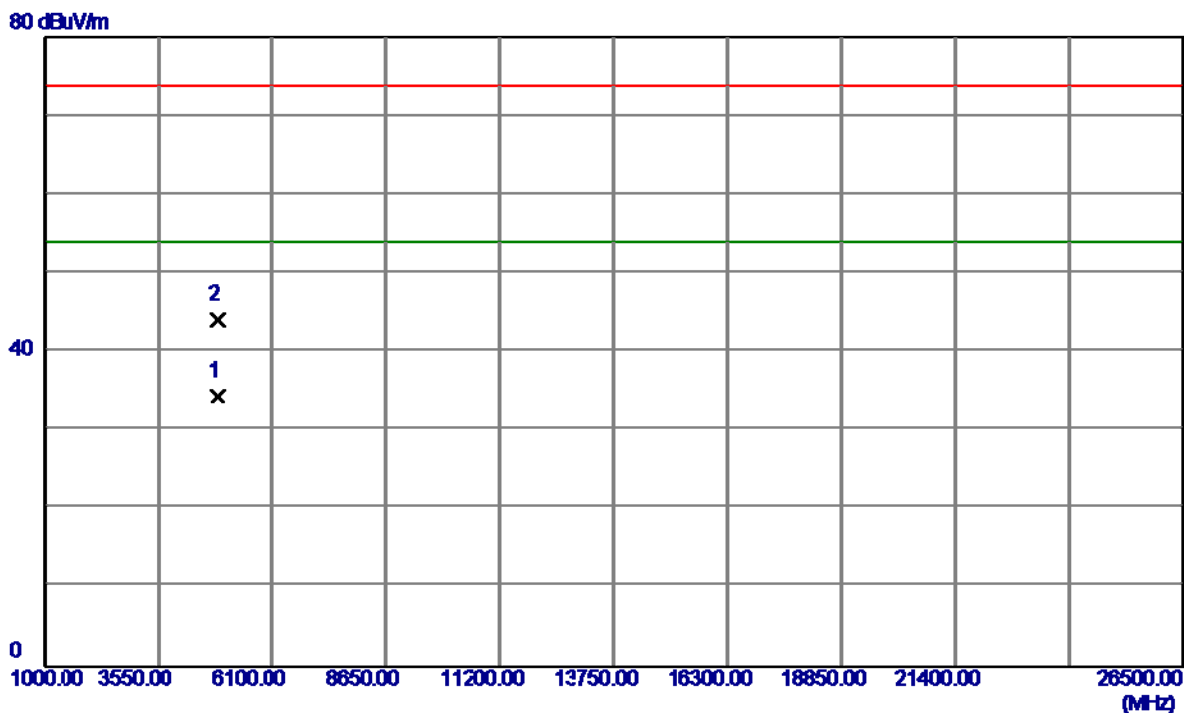
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2430.2000	60.27	32.73	93.00	54.00	39.00	AVG	No Limit
2	2430.6000	68.57	32.73	101.30	74.00	27.30	Peak	No Limit

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

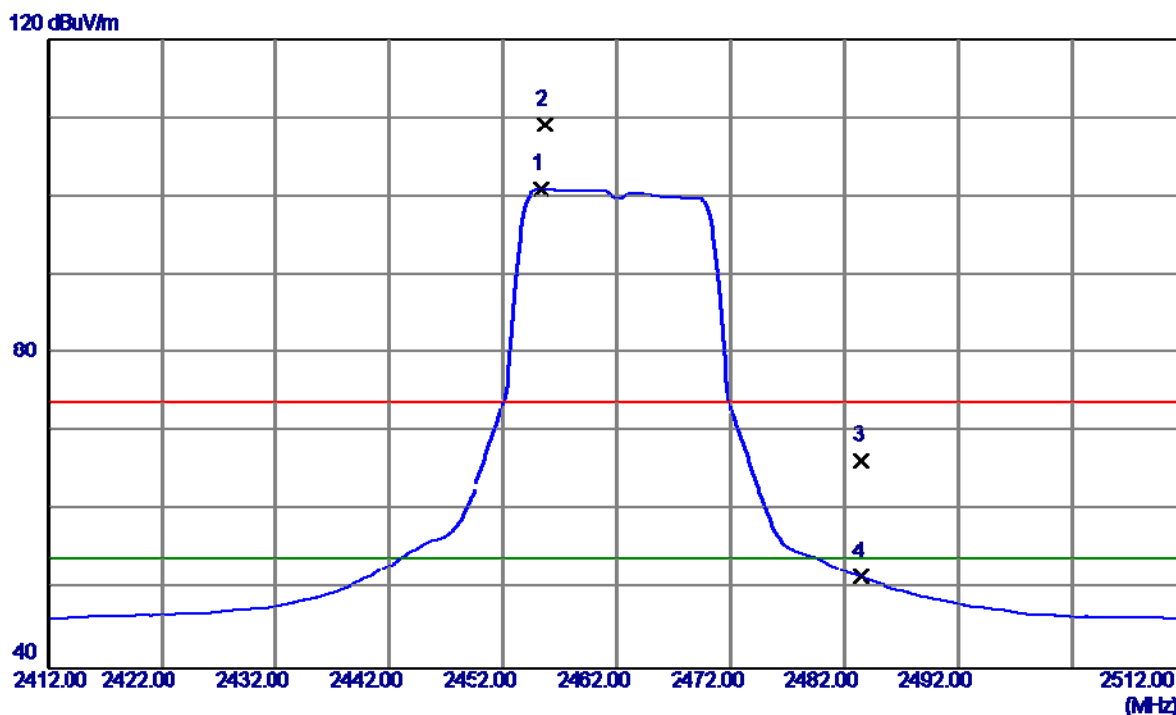
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0000	28.43	6.00	34.43	74.00	-39.57	Peak	
2	4874.0000	38.16	6.00	44.16	74.00	-29.84	Peak	

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

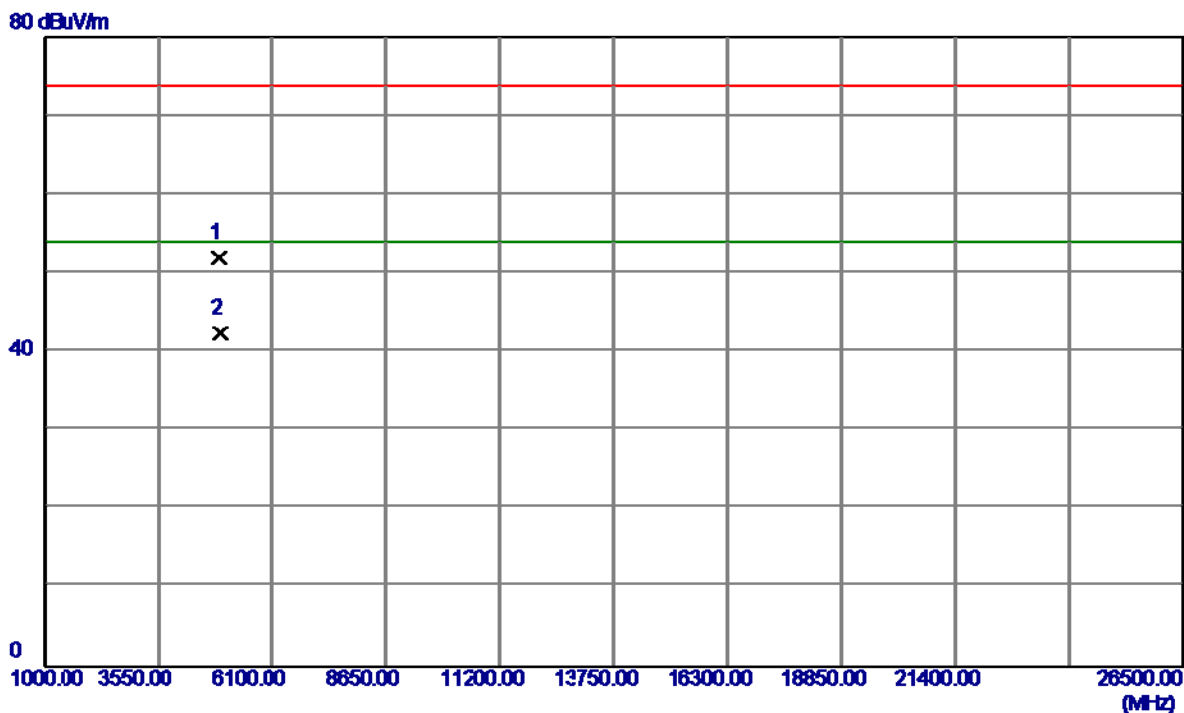
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2455.3000	68.21	32.77	100.98	54.00	46.98	AVG	No Limit
2	2455.7000	76.40	32.77	109.17	74.00	35.17	Peak	No Limit
3	2483.5000	33.63	32.81	66.44	74.00	-7.56	Peak	
4	2483.5000	18.80	32.81	51.61	54.00	-2.39	AVG	

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

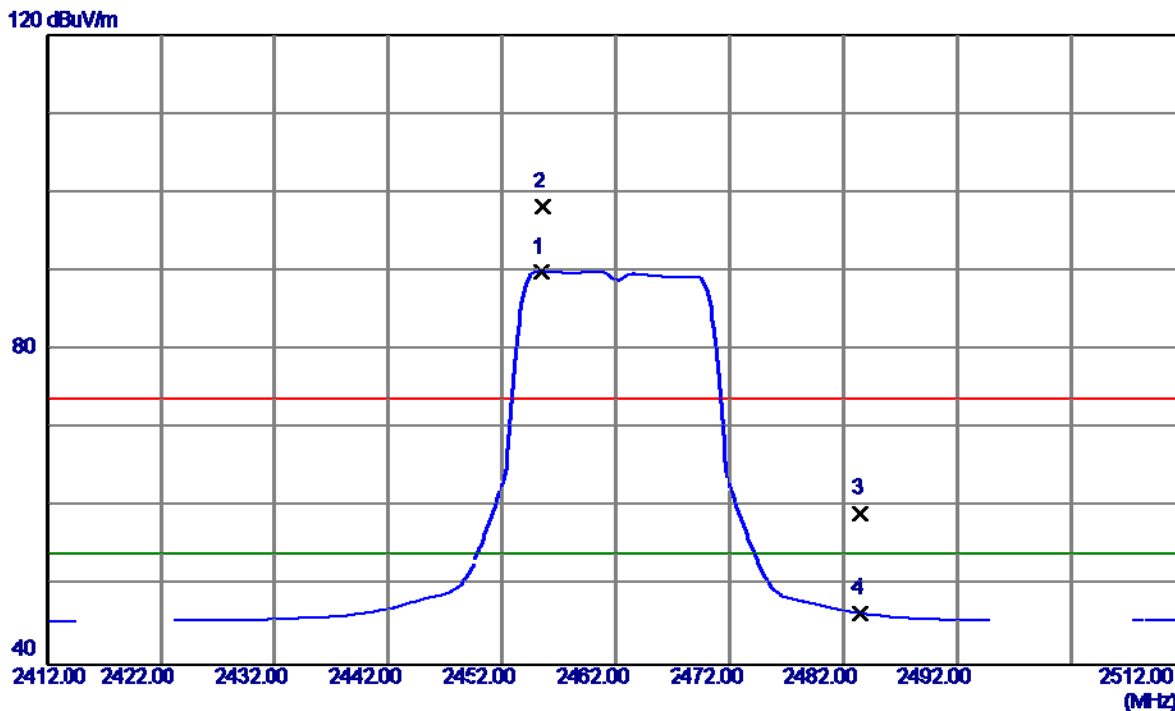
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.9900	45.93	6.14	52.07	74.00	-21.93	Peak	
2	4924.4100	36.31	6.14	42.45	54.00	-11.55	AVG	

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

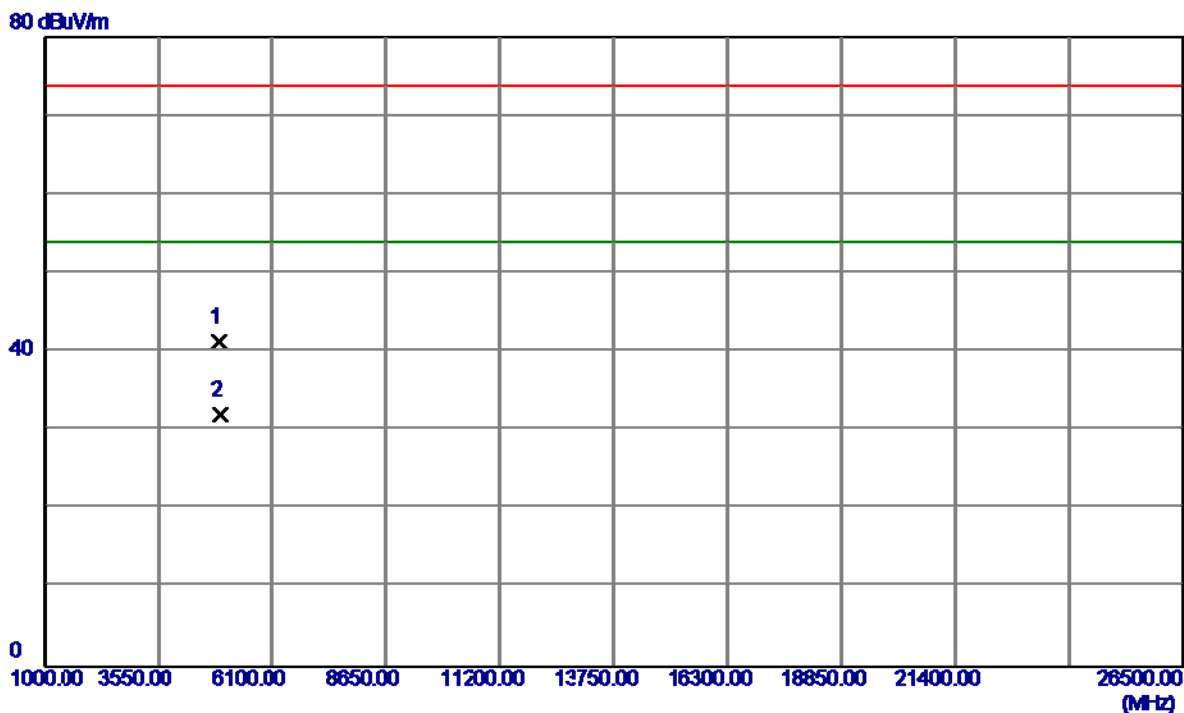
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2455.4000	57.22	32.77	89.99	54.00	35.99	AVG	No Limit
2	2455.6000	65.52	32.77	98.29	74.00	24.29	Peak	No Limit
3	2483.5000	26.39	32.81	59.20	74.00	-14.80	Peak	
4	2483.5000	13.77	32.81	46.58	54.00	-7.42	AVG	

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

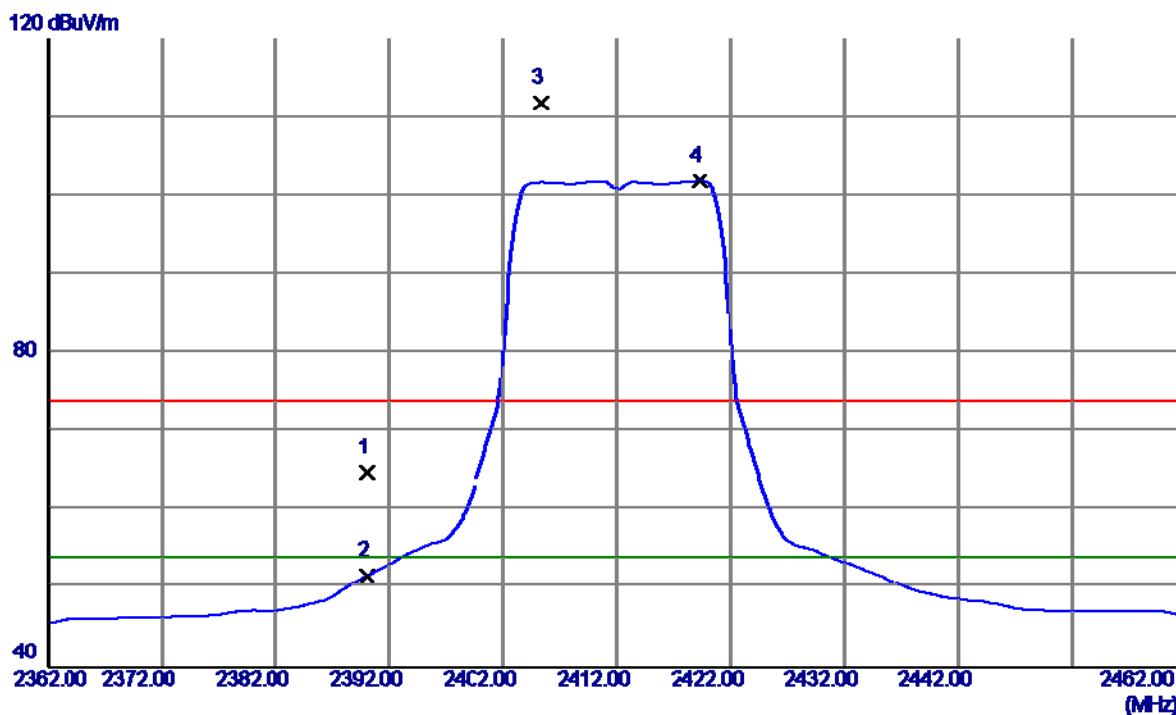
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.7500	35.16	6.14	41.30	74.00	-32.70	Peak	
2	4924.4100	25.83	6.14	31.97	54.00	-22.03	AVG	

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

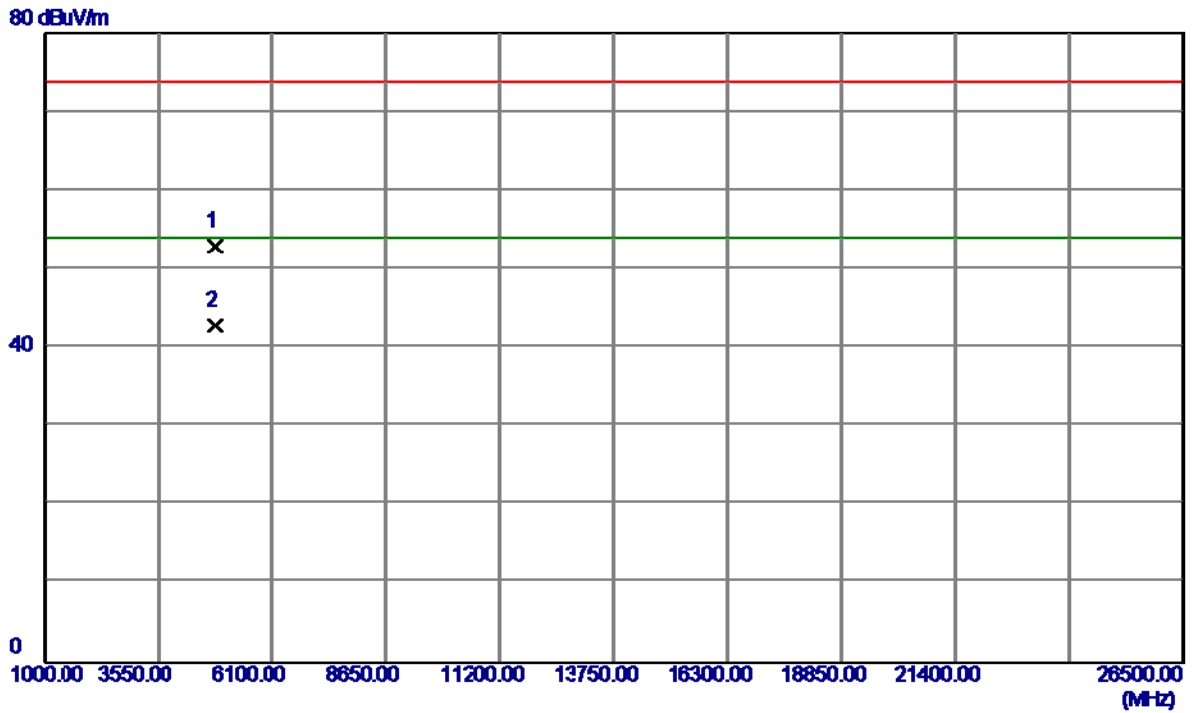
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	32.13	32.68	64.81	74.00	-9.19	Peak	
2	2390.0000	19.07	32.68	51.75	54.00	-2.25	AVG	
3	2405.3000	79.09	32.70	111.79	74.00	37.79	Peak	No Limit
4	2419.3000	69.14	32.72	101.86	54.00	47.86	AVG	No Limit

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

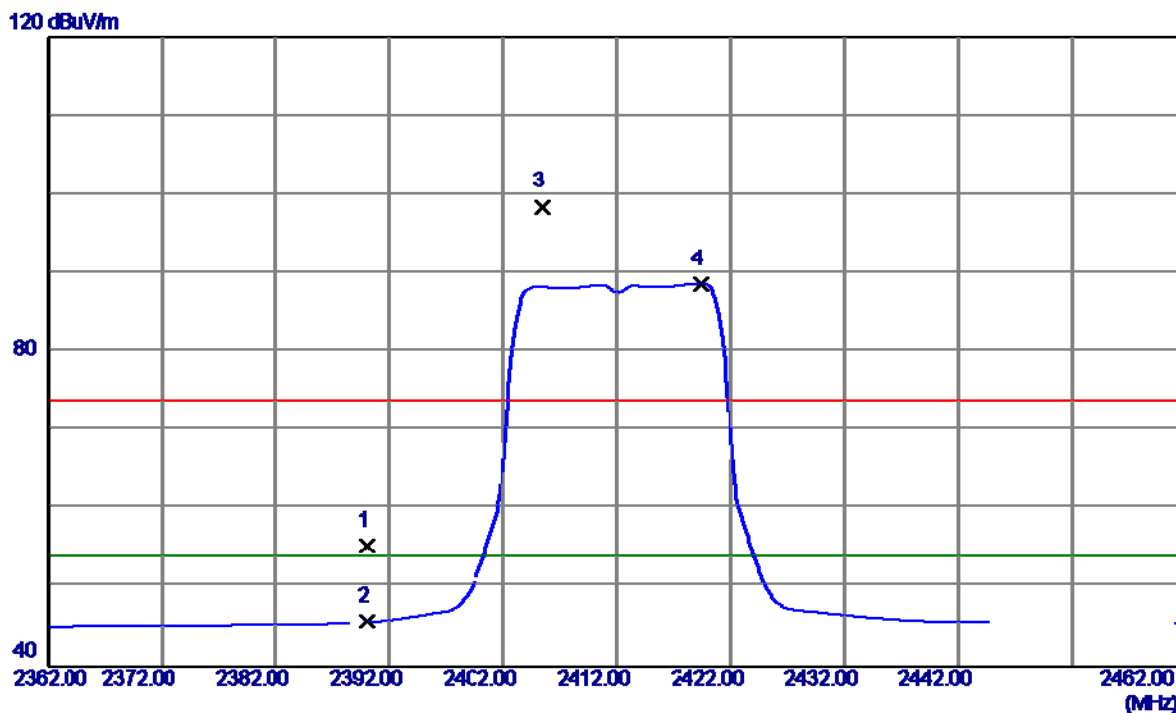
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.8200	47.12	5.87	52.99	74.00	-21.01	Peak	
2	4824.1500	37.04	5.87	42.91	54.00	-11.09	AVG	

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

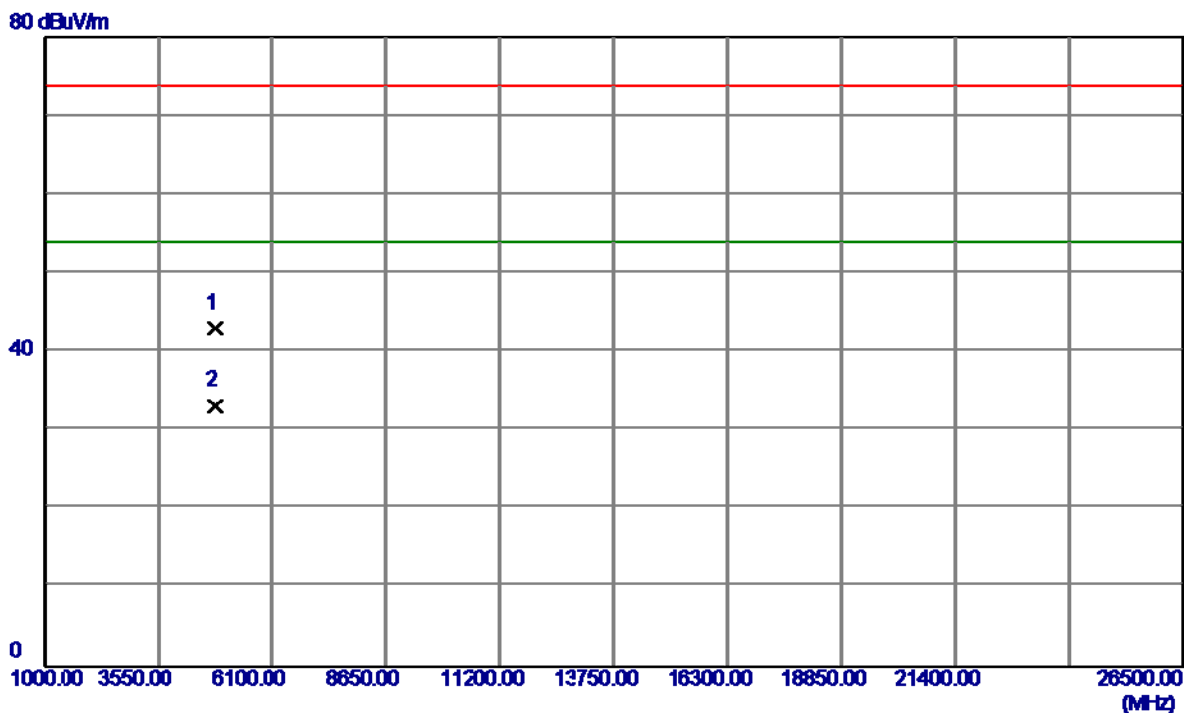
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.62	32.68	55.30	74.00	-18.70	Peak	
2	2390.0000	13.01	32.68	45.69	54.00	-8.31	AVG	
3	2405.4000	65.78	32.70	98.48	74.00	24.48	Peak	No Limit
4	2419.4000	55.98	32.72	88.70	54.00	34.70	AVG	No Limit

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

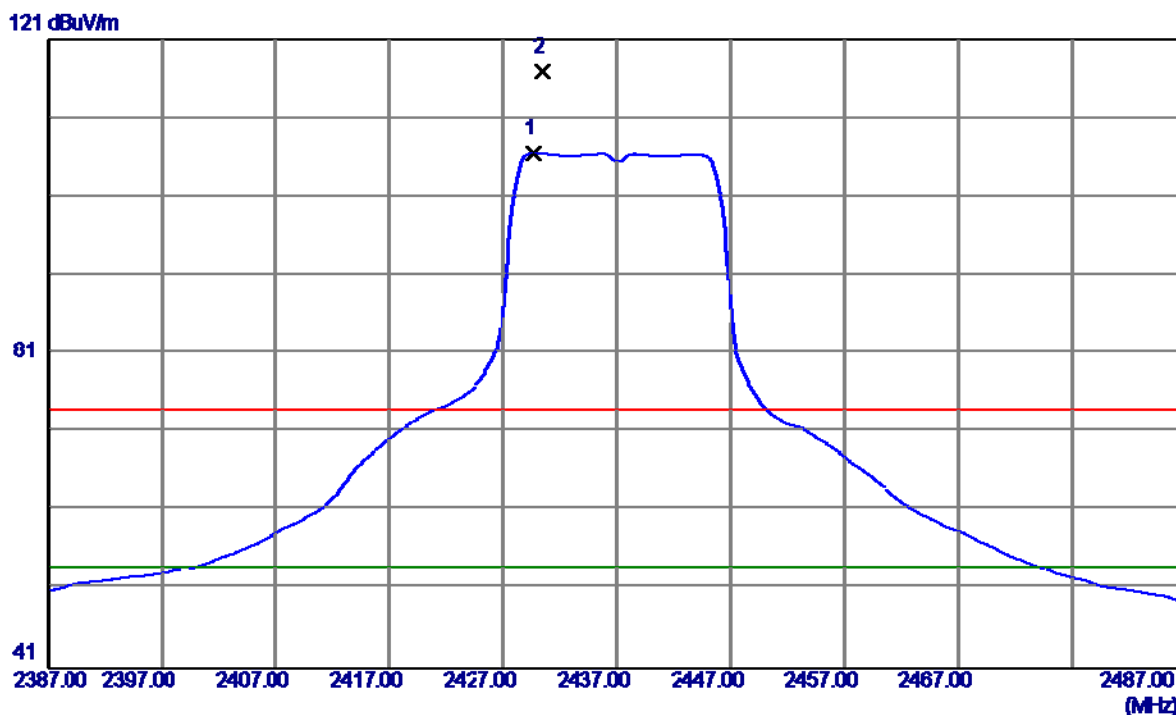
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.0400	37.12	5.87	42.99	74.00	-31.01	Peak	
2	4824.3300	27.33	5.87	33.20	54.00	-20.80	AVG	

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

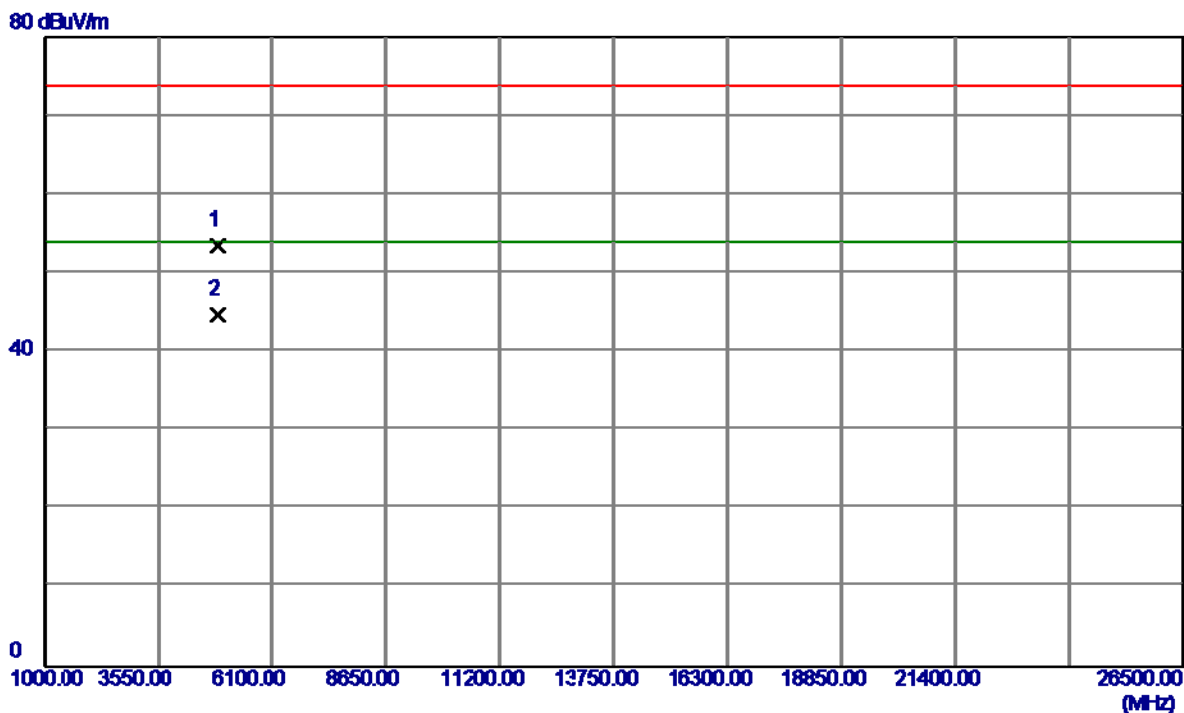
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2429.7000	73.74	32.73	106.47	54.00	52.47	AVG	No Limit
2	2430.4000	84.04	32.73	116.77	74.00	42.77	Peak	No Limit

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

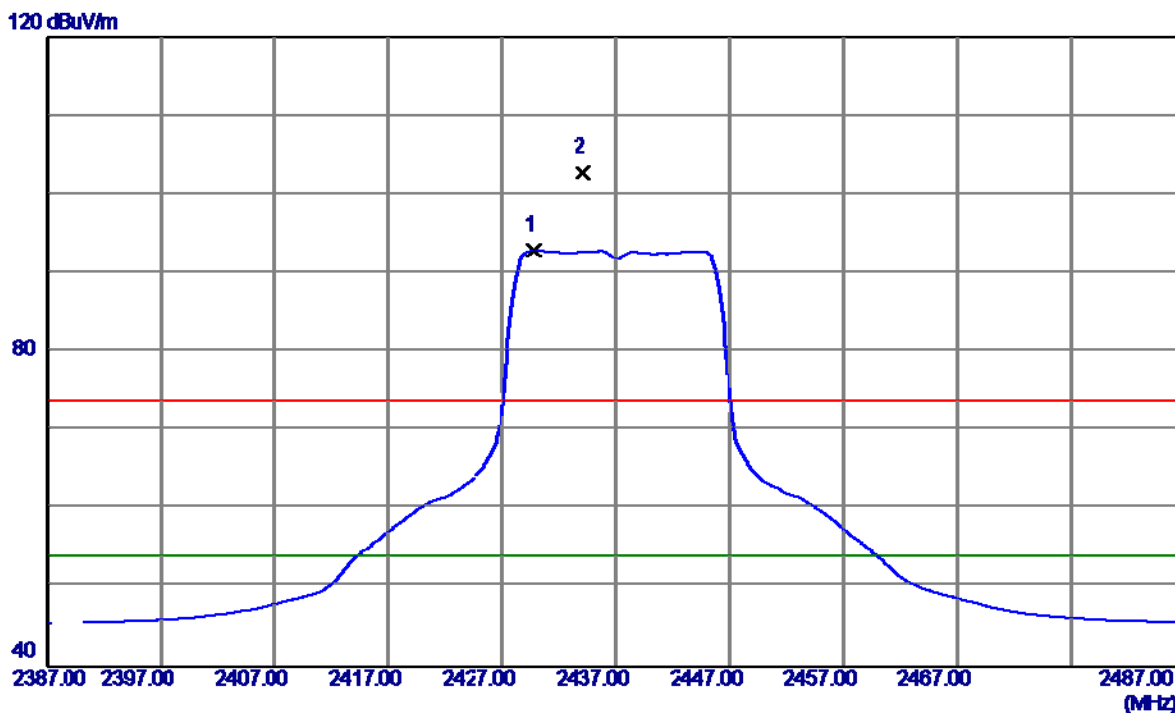
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0000	47.57	6.00	53.57	74.00	-20.43	Peak	
2	4874.0000	38.75	6.00	44.75	54.00	-9.25	AVG	

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

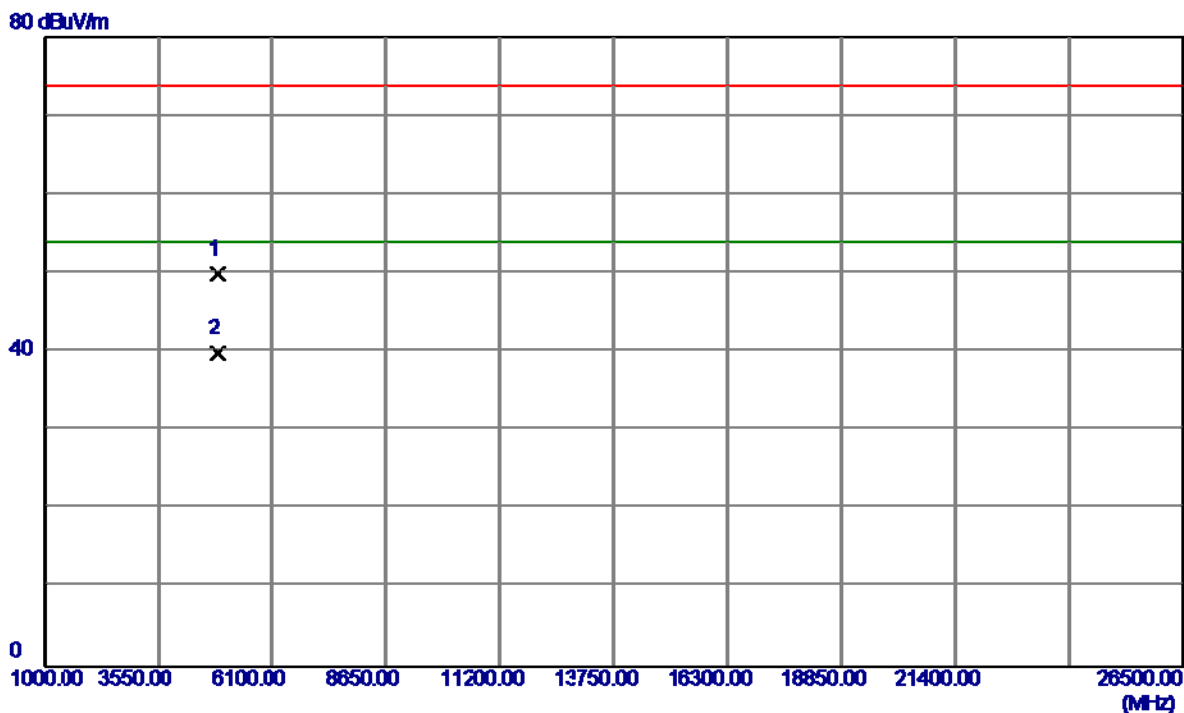
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2429.8000	60.20	32.73	92.93	54.00	38.93	AVG	No Limit
2	2434.1000	70.22	32.74	102.96	74.00	28.96	Peak	No Limit

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

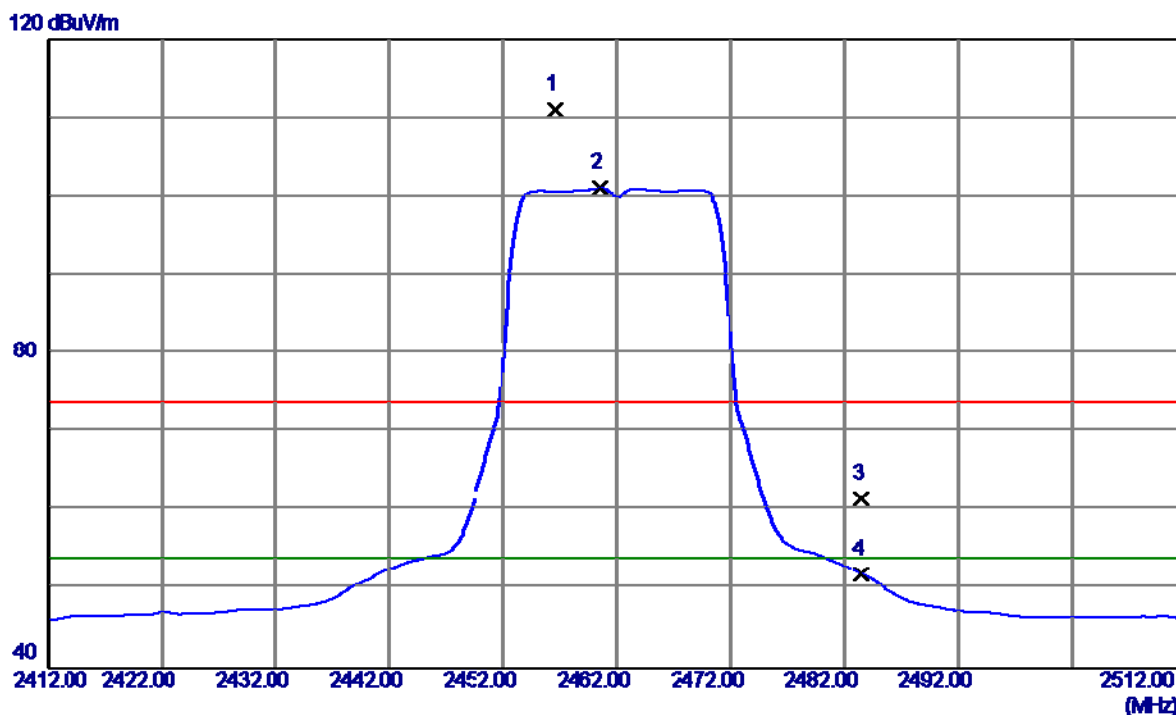
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0500	43.85	6.00	49.85	74.00	-24.15	Peak	
2	4874.0500	33.91	6.00	39.91	54.00	-14.09	AVG	

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

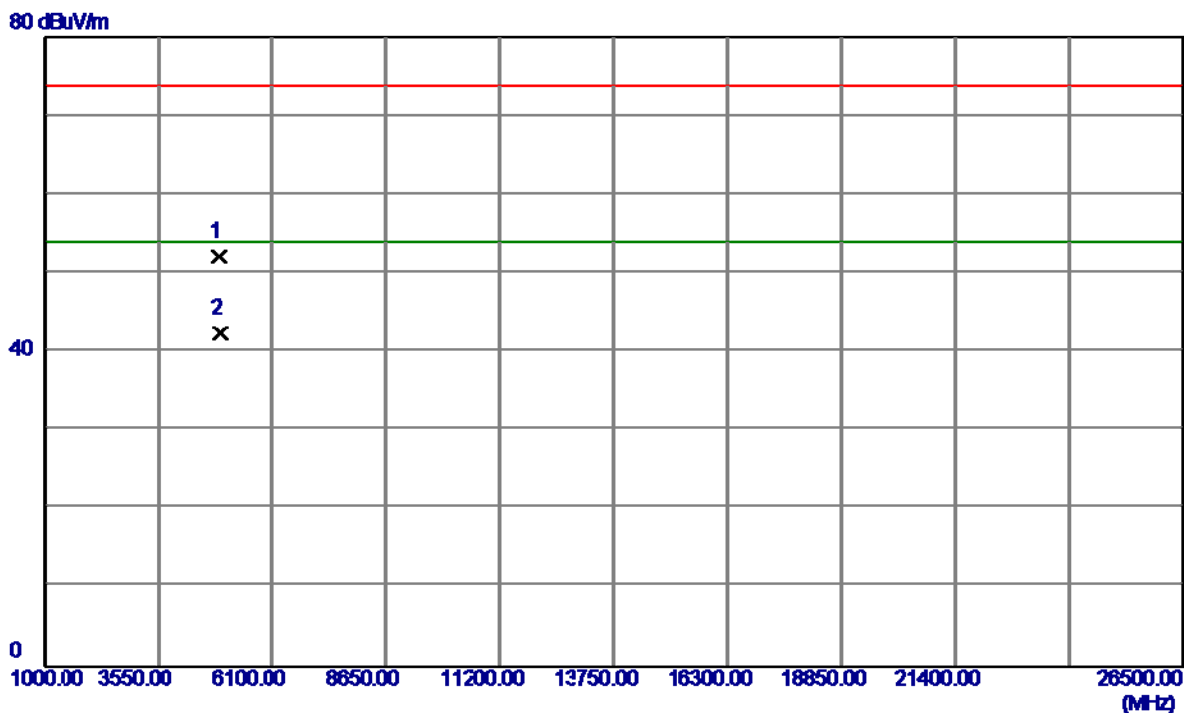
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2456.6000	78.33	32.77	111.10	74.00	37.10	Peak	No Limit
2	2460.6000	68.28	32.78	101.06	54.00	47.06	AVG	No Limit
3	2483.5000	28.86	32.81	61.67	74.00	-12.33	Peak	
4	2483.5000	19.18	32.81	51.99	54.00	-2.01	AVG	

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

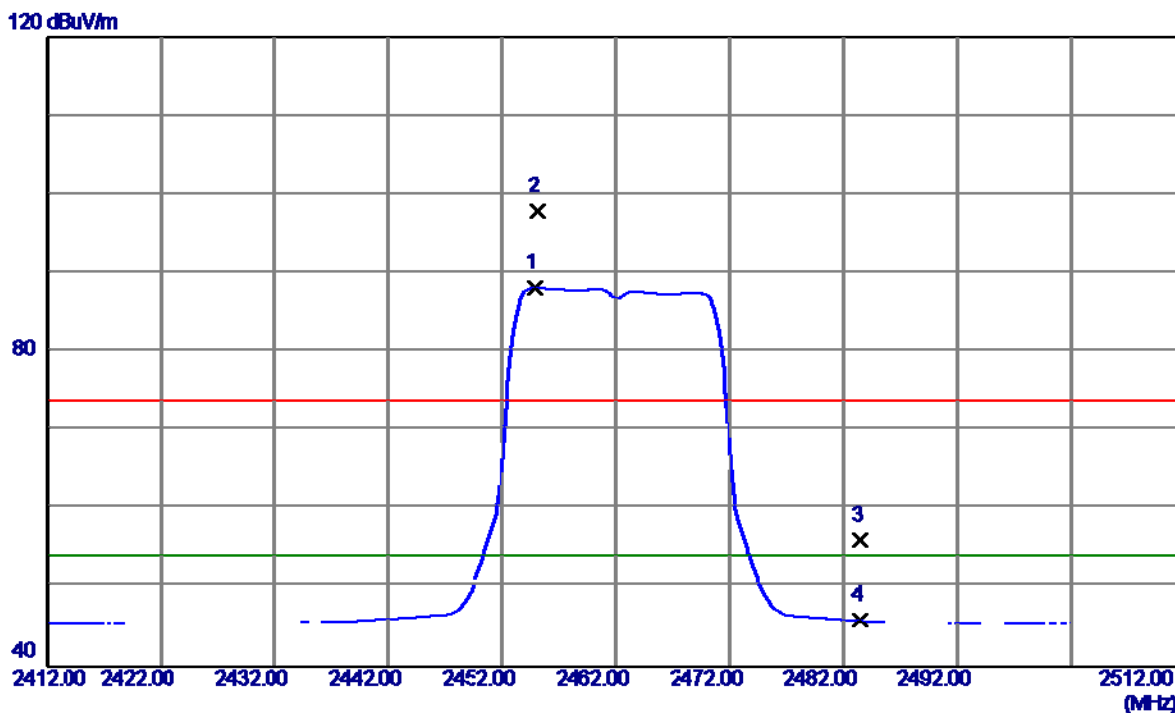
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.7599	45.95	6.14	52.09	74.00	-21.91	Peak	
2	4924.5200	36.27	6.14	42.41	54.00	-11.59	AVG	

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

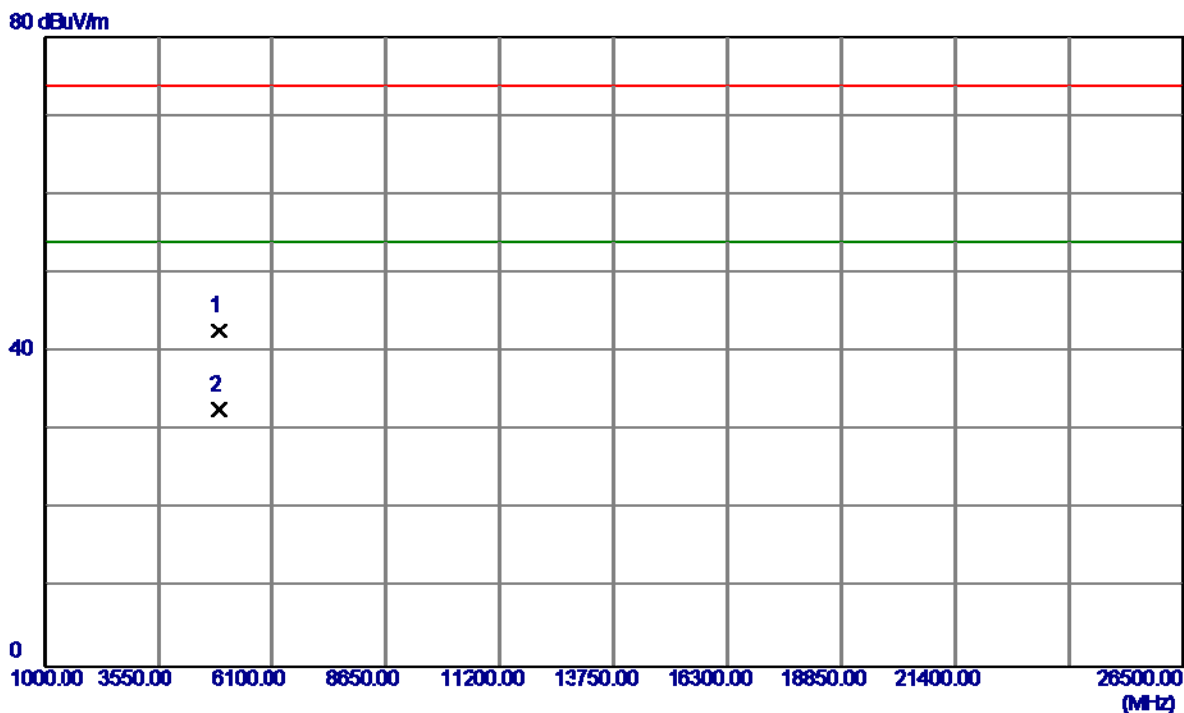
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2454.9000	55.39	32.77	88.16	54.00	34.16	AVG	No Limit
2	2455.1000	65.12	32.77	97.89	74.00	23.89	Peak	No Limit
3	2483.5000	23.27	32.81	56.08	74.00	-17.92	Peak	
4	2483.5000	13.04	32.81	45.85	54.00	-8.15	AVG	

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

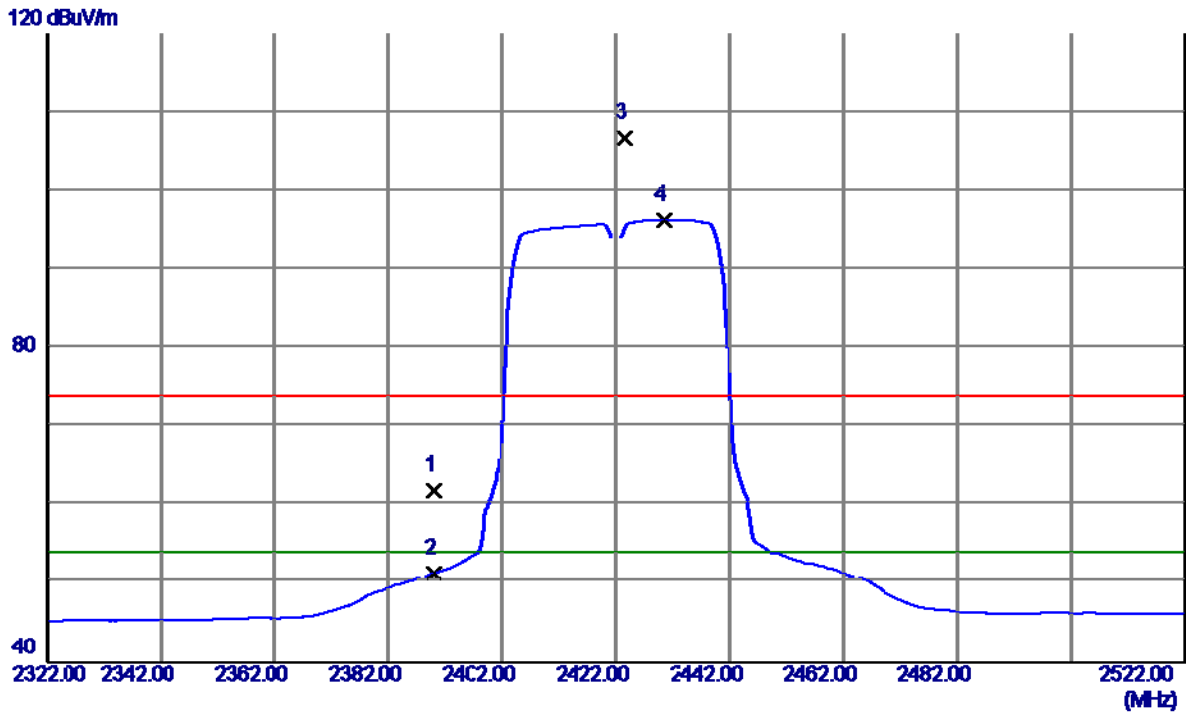
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.7900	36.57	6.14	42.71	74.00	-31.29	Peak	
2	4924.1000	26.43	6.14	32.57	54.00	-21.43	AVG	

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

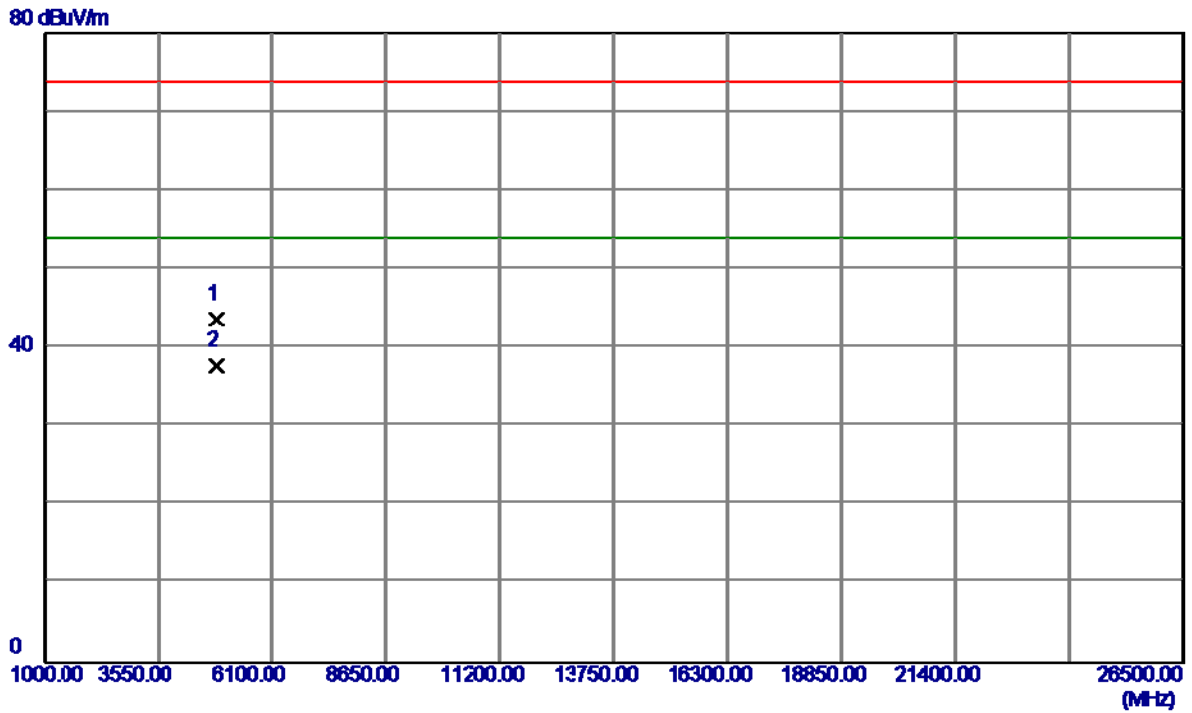
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	29.27	32.68	61.95	74.00	-12.05	Peak	
2	2390.0000	18.73	32.68	51.41	54.00	-2.59	AVG	
3	2423.6000	73.98	32.72	106.70	74.00	32.70	Peak	No Limit
4	2430.4000	63.65	32.73	96.38	54.00	42.38	AVG	No Limit

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

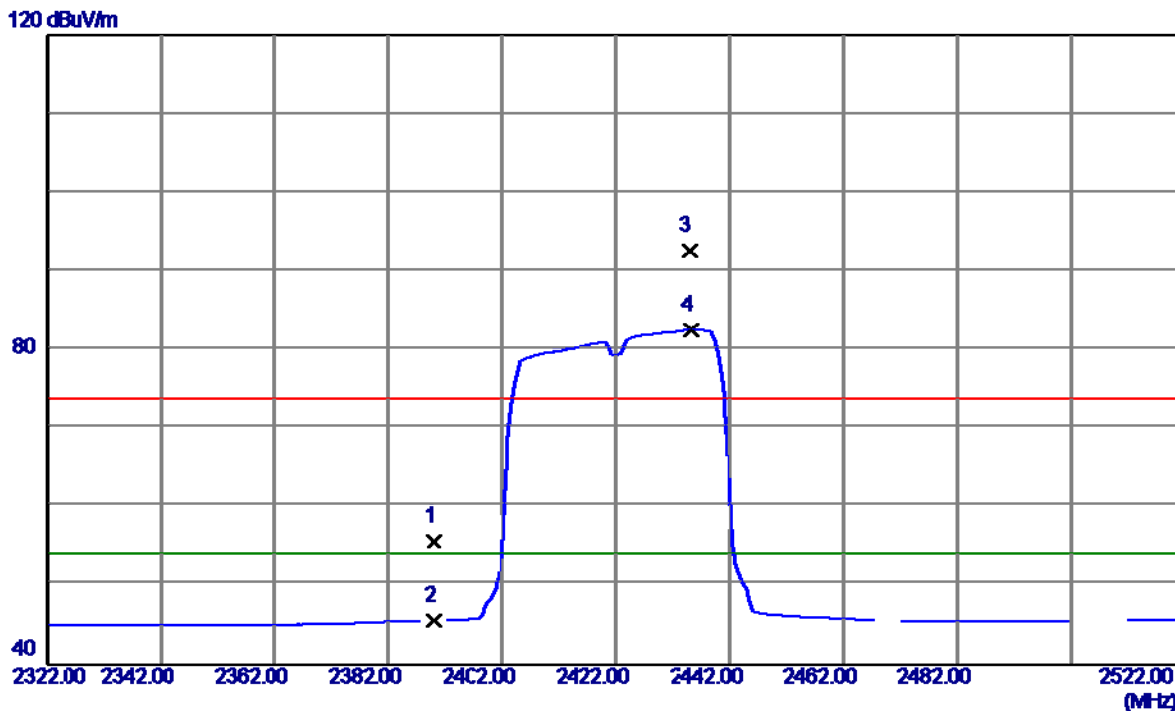
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.3000	37.76	5.92	43.68	74.00	-30.32	Peak	
2	4844.3000	31.89	5.92	37.81	54.00	-16.19	AVG	

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

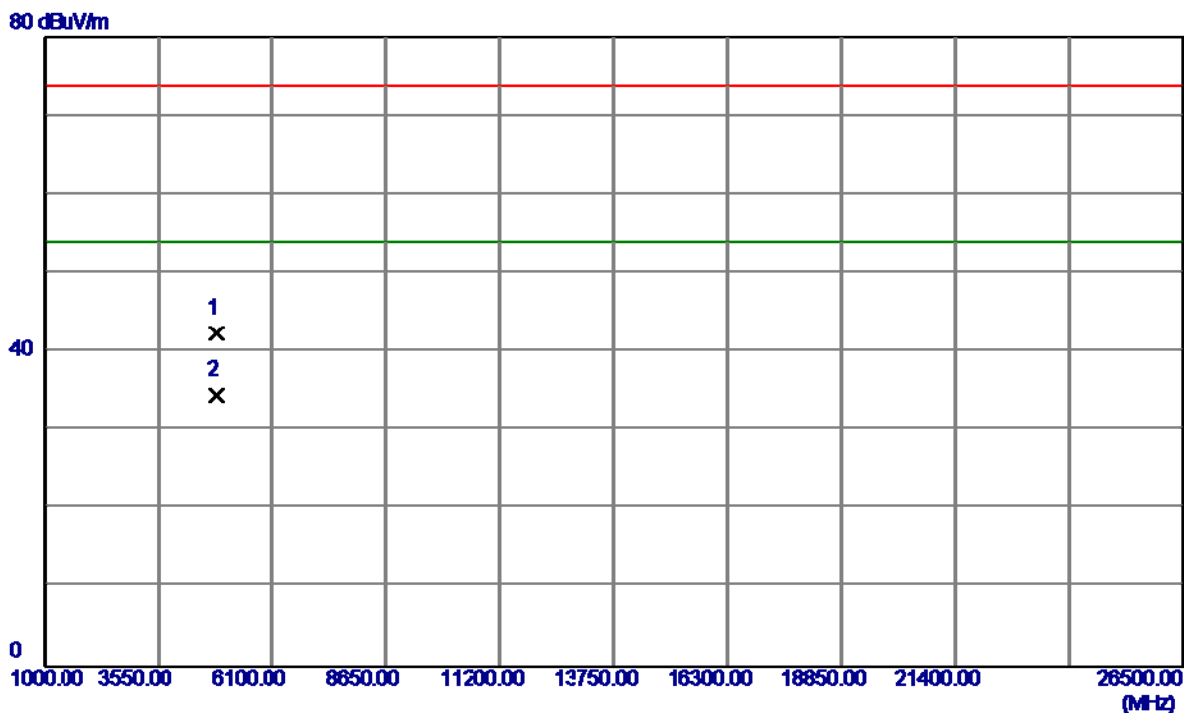
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.99	32.68	55.67	74.00	-18.33	Peak	
2	2390.0000	12.93	32.68	45.61	54.00	-8.39	AVG	
3	2435.0000	59.95	32.74	92.69	74.00	18.69	Peak	No Limit
4	2435.4000	49.88	32.74	82.62	54.00	28.62	AVG	No Limit

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

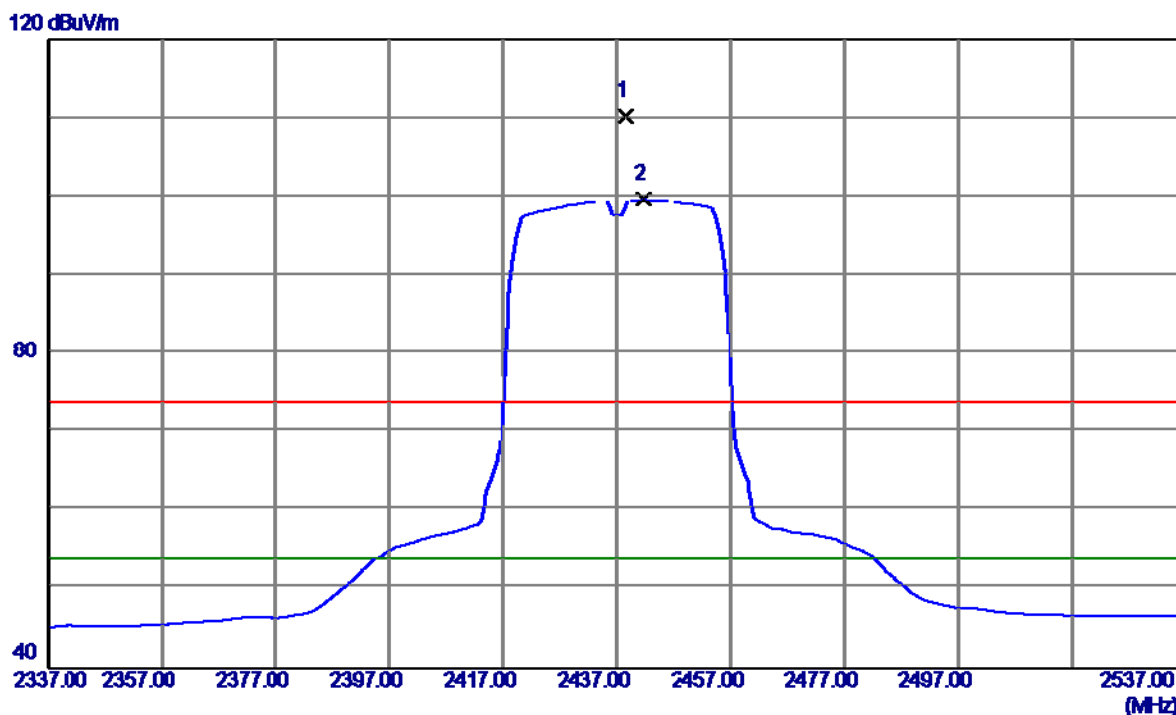
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.3300	36.53	5.92	42.45	74.00	-31.55	Peak	
2	4844.2599	28.69	5.92	34.61	54.00	-19.39	AVG	

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

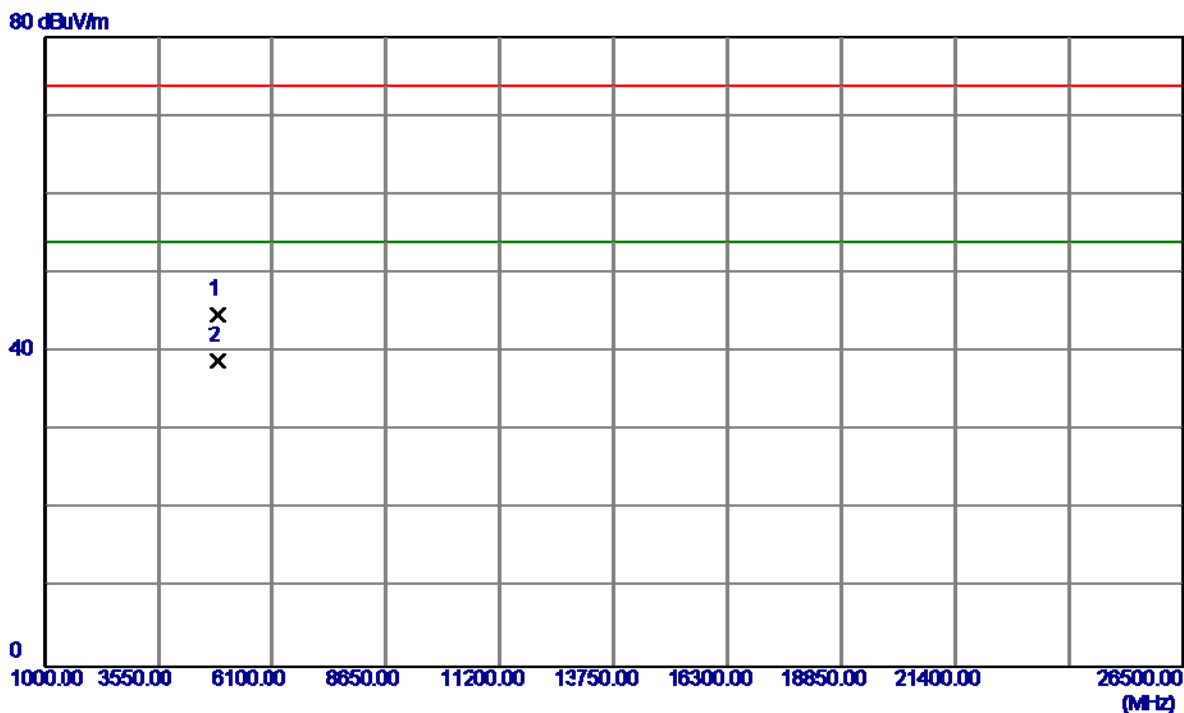
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2438.6000	77.48	32.75	110.23	74.00	36.23	Peak	No Limit
2	2441.6000	66.87	32.75	99.62	54.00	45.62	AVG	No Limit

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

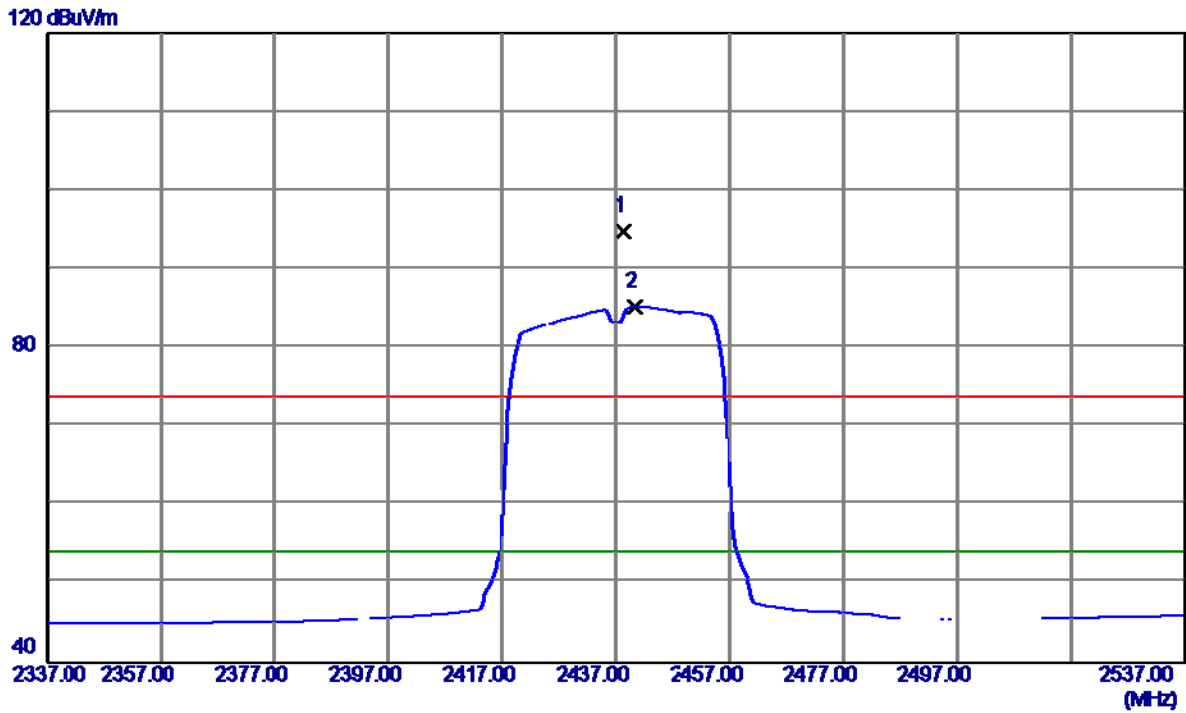
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0200	38.84	6.00	44.84	74.00	-29.16	Peak	
2	4874.0200	32.89	6.00	38.89	54.00	-15.11	AVG	

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

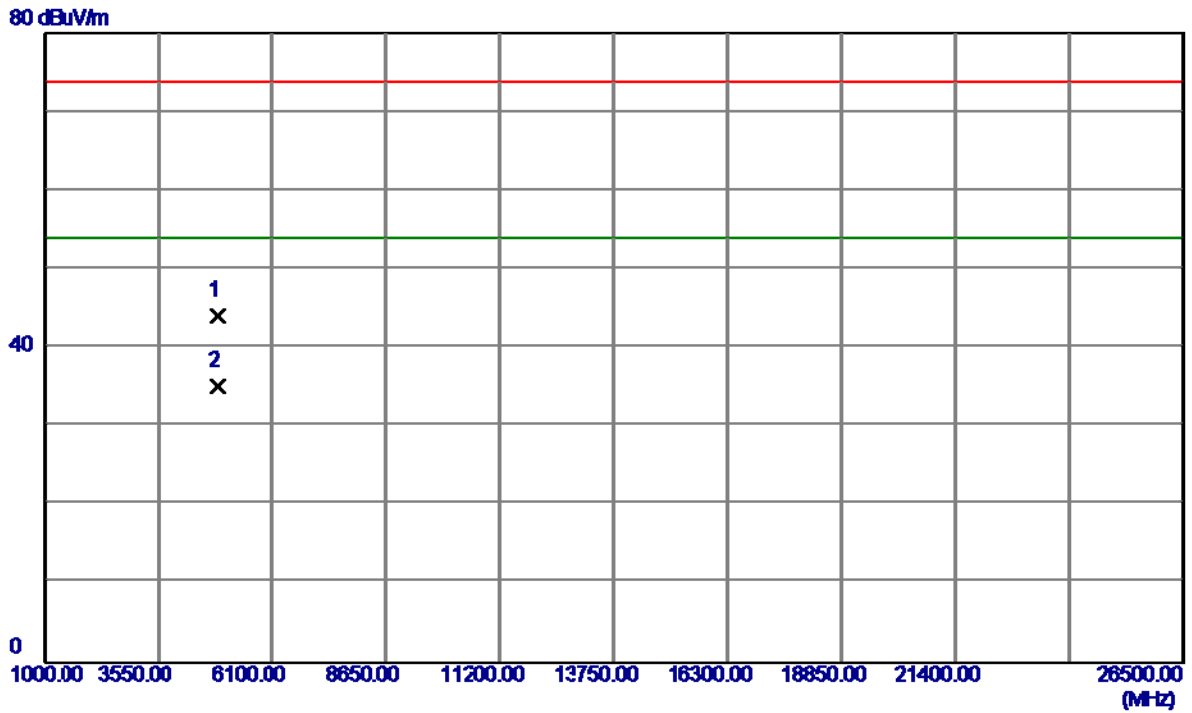
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2438.4000	62.14	32.74	94.88	74.00	20.88	Peak	No Limit
2	2440.4000	52.51	32.75	85.26	54.00	31.26	AVG	No Limit

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

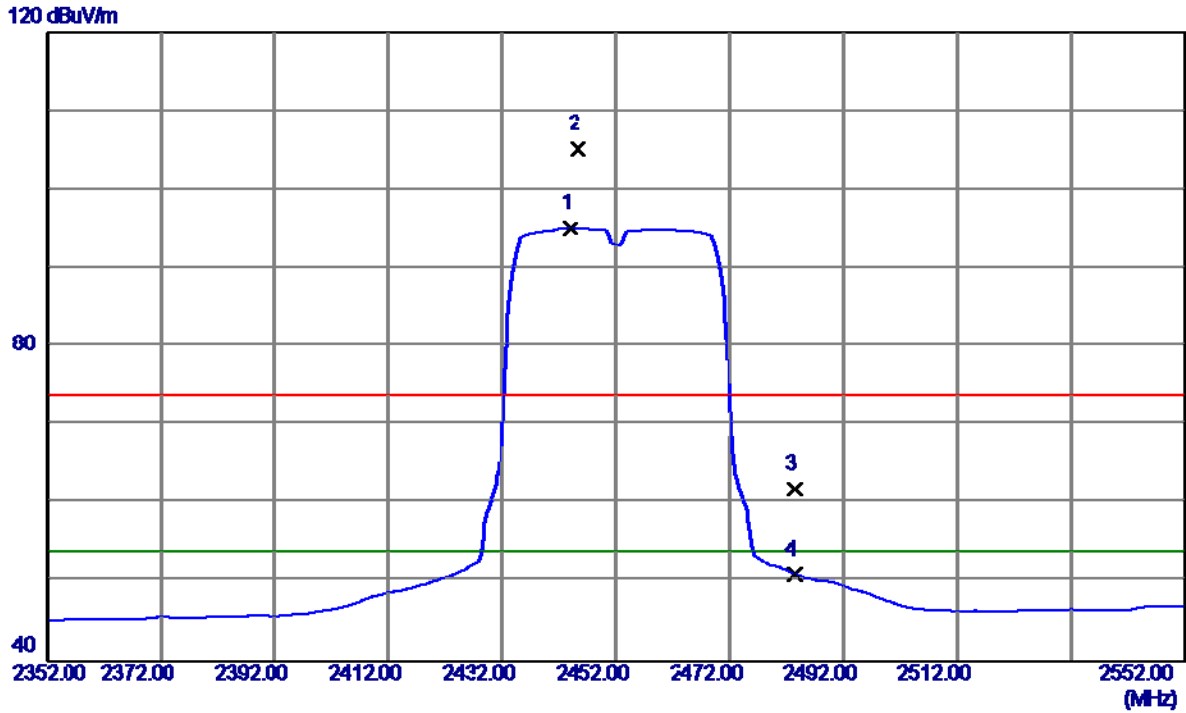
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0200	38.09	6.00	44.09	74.00	-29.91	Peak	
2	4874.0200	29.19	6.00	35.19	54.00	-18.81	AVG	

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

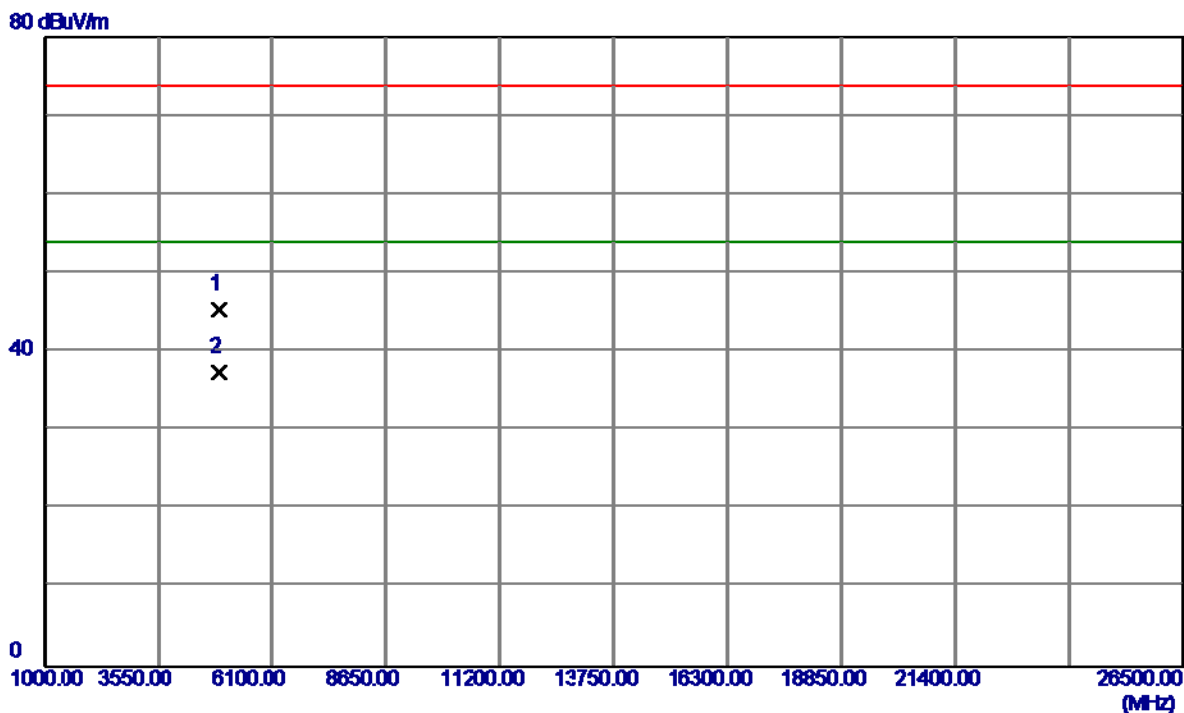
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2444.0000	62.36	32.75	95.11	54.00	41.11	AVG	No Limit
2	2445.4000	72.32	32.75	105.07	74.00	31.07	Peak	No Limit
3	2483.5000	29.16	32.81	61.97	74.00	-12.03	Peak	
4	2483.5000	18.21	32.81	51.02	54.00	-2.98	AVG	

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

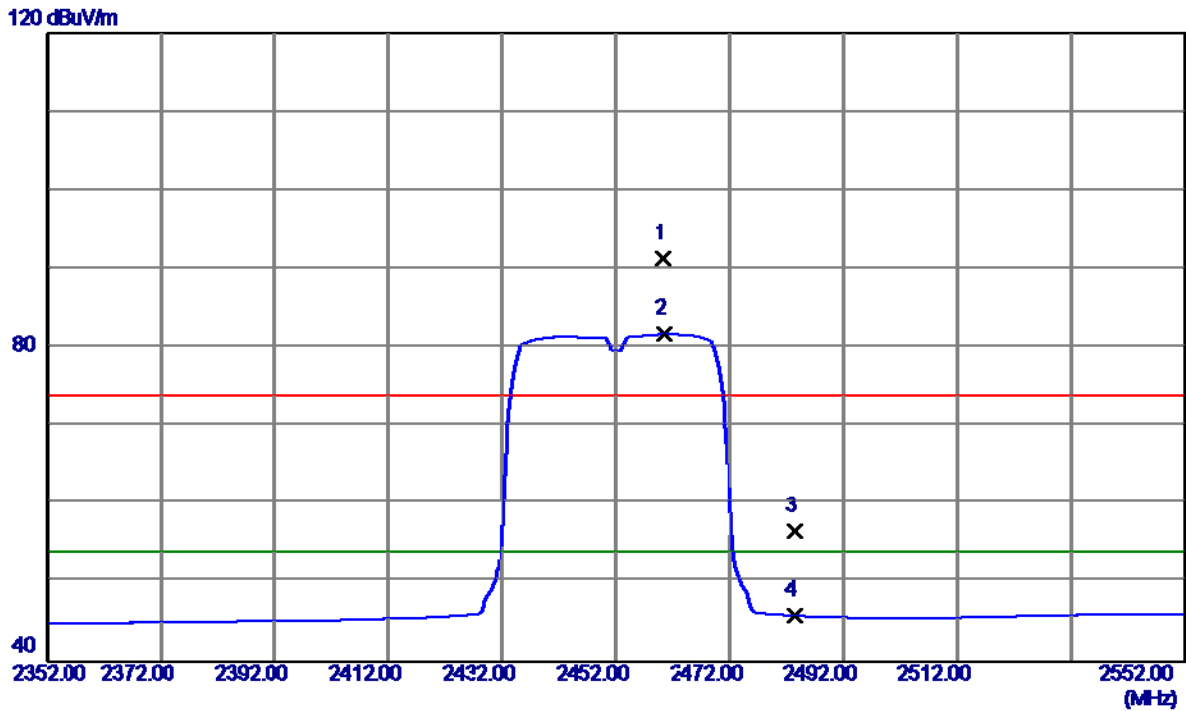
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4904.0800	39.29	6.08	45.37	74.00	-28.63	Peak	
2	4904.5099	31.43	6.08	37.51	54.00	-16.49	AVG	

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

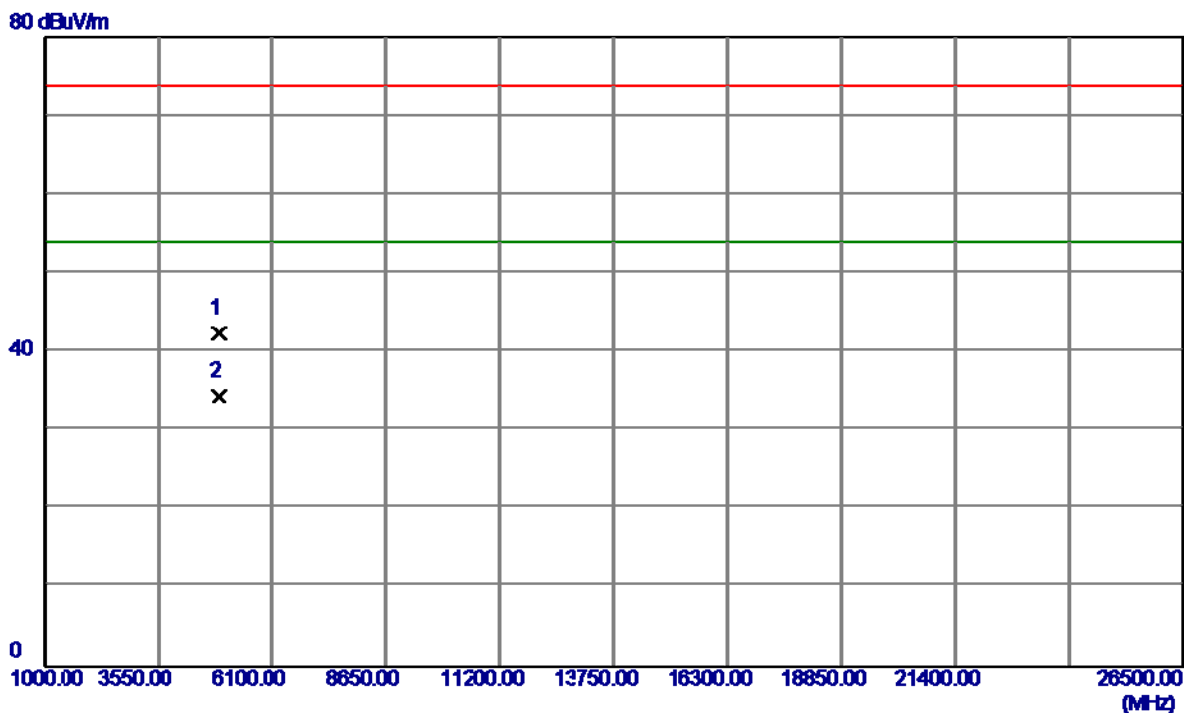
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2460.2000	58.61	32.78	91.39	74.00	17.39	Peak	No Limit
2	2460.4000	48.98	32.78	81.76	54.00	27.76	AVG	No Limit
3	2483.5000	23.86	32.81	56.67	74.00	-17.33	Peak	
4	2483.5000	13.09	32.81	45.90	54.00	-8.10	AVG	

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

Horizontal



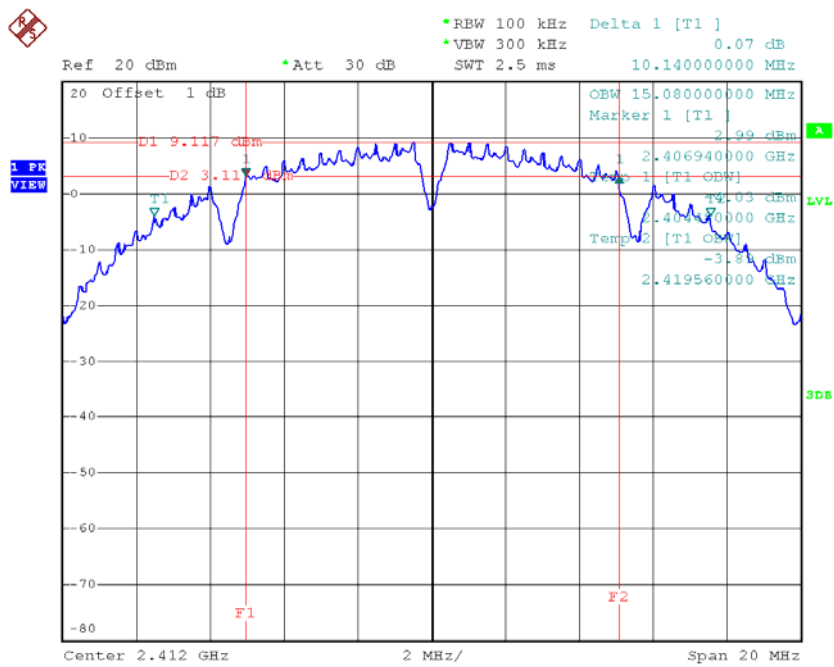
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4904.2000	36.26	6.08	42.34	74.00	-31.66	Peak	
2	4904.0099	28.34	6.08	34.42	54.00	-19.58	AVG	

ATTACHMENT E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

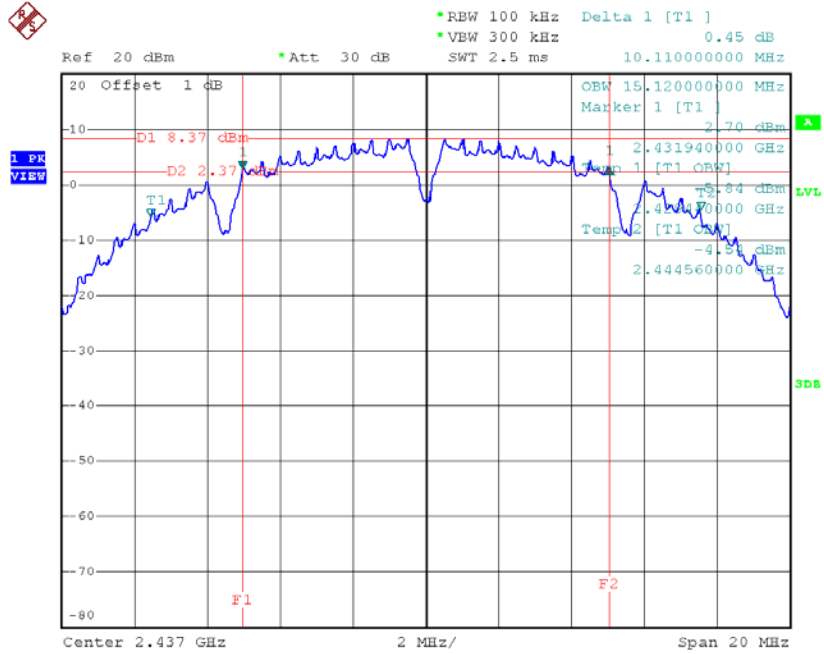
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.14	15.08	500	Complies
2437	10.11	15.12	500	Complies
2462	10.12	15.04	500	Complies

TX CH01



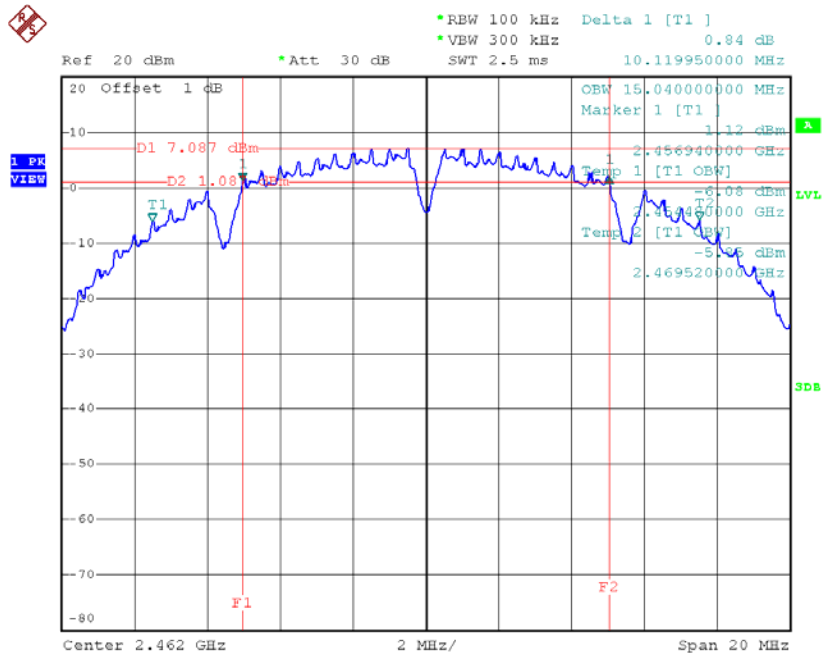
Date: 2.MAR.2016 13:56:34

TX CH06



Date: 2.MAR.2016 13:58:07

TX CH11

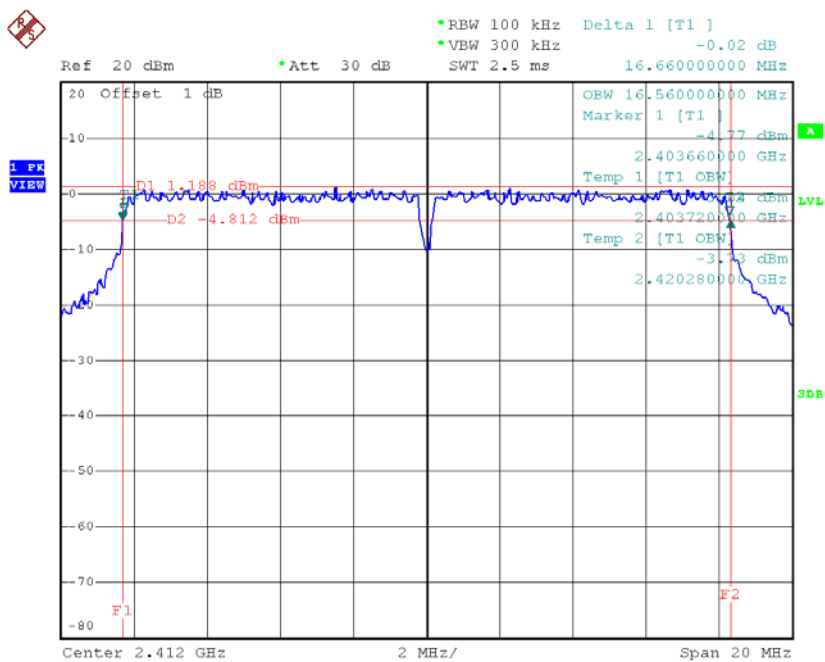


Date: 2.MAR.2016 14:00:09

Test Mode: TX G Mode_CH01/06/11

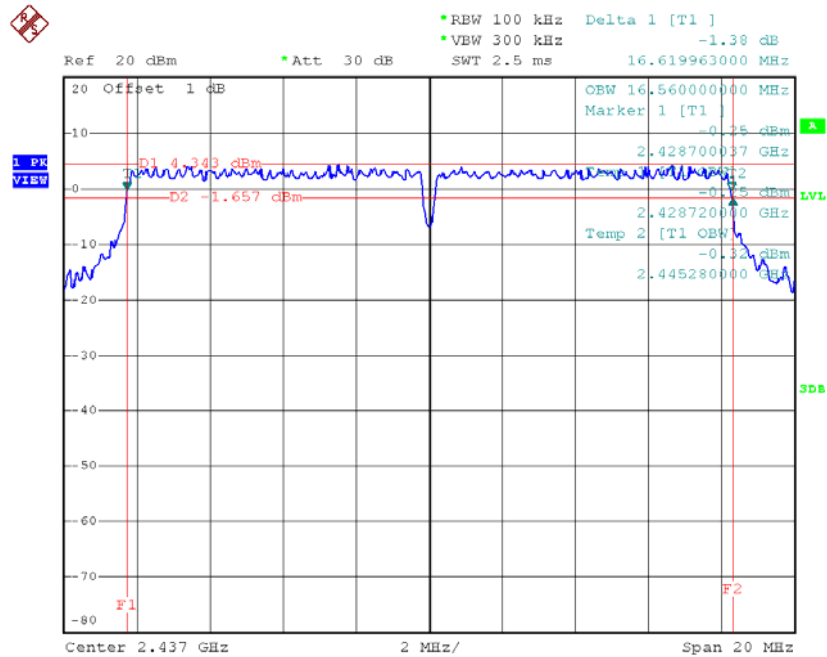
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.66	16.56	500	Complies
2437	16.62	16.56	500	Complies
2462	16.62	16.52	500	Complies

TX CH01



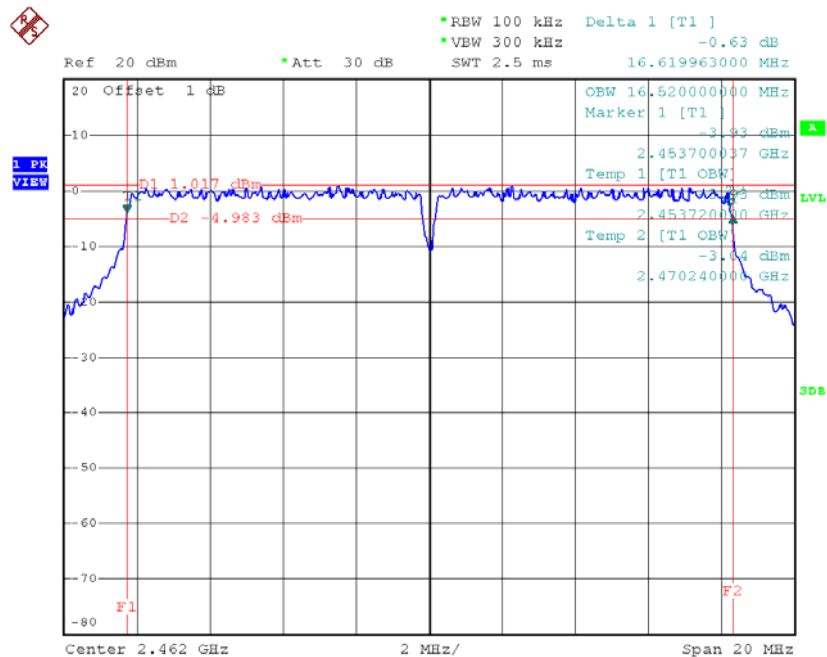
Date: 2.MAR.2016 14:01:52

TX CH06



Date: 2.MAR.2016 14:03:58

TX CH11

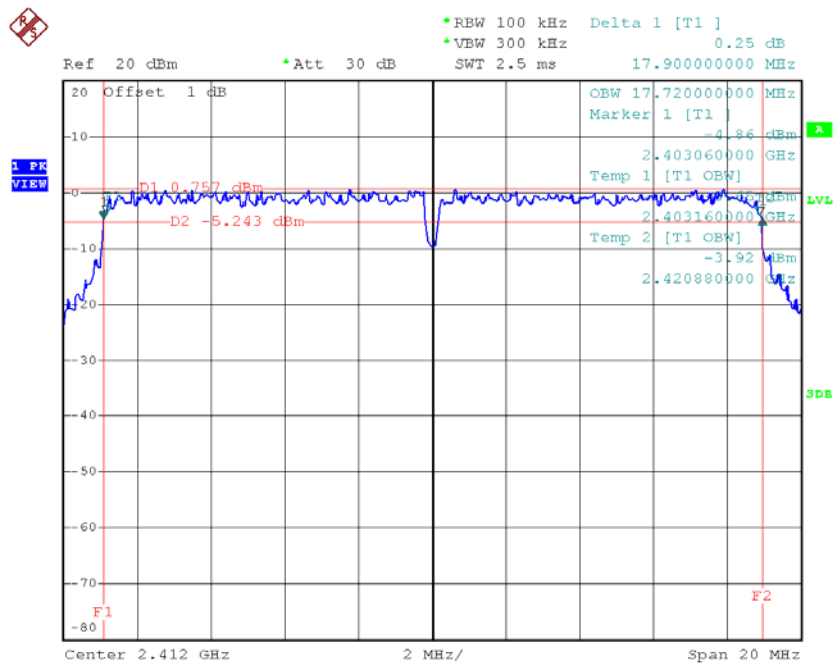


Date: 2.MAR.2016 14:05:12

Test Mode : TX N-20MHz Mode_CH01/06/11

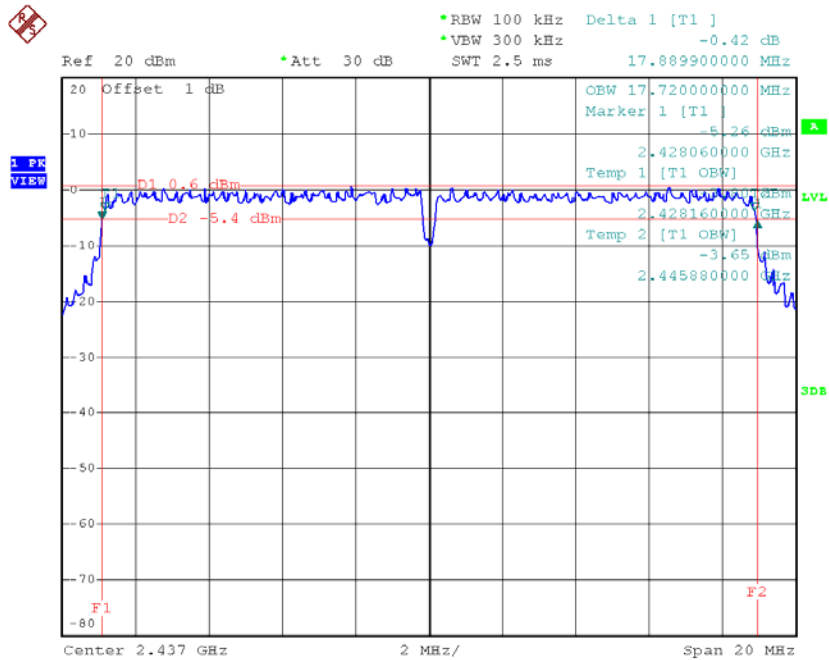
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.90	17.72	500	Complies
2437	17.89	17.72	500	Complies
2462	17.90	17.72	500	Complies

TX CH01



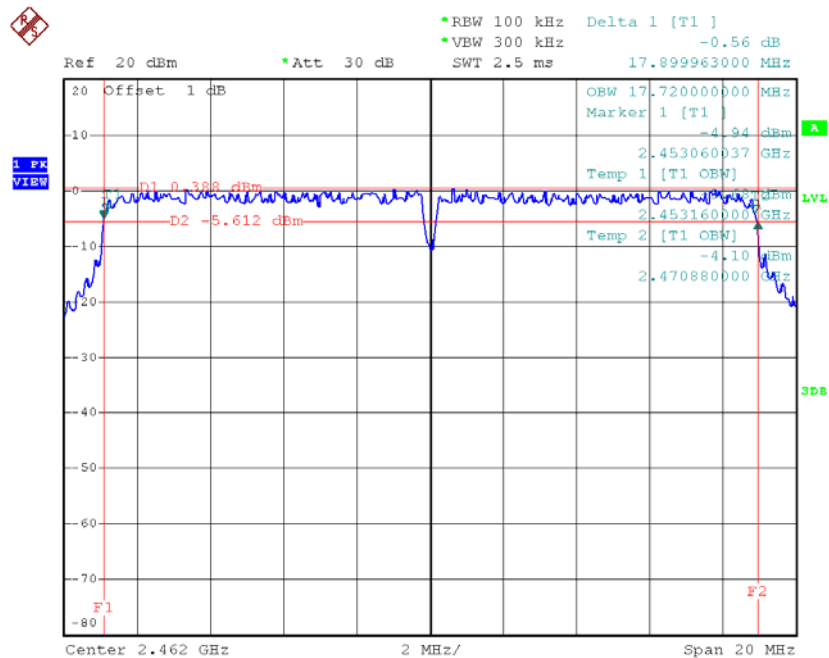
Date: 2.MAR.2016 14:07:00

TX CH06



Date: 2.MAR.2016 14:08:25

TX CH11

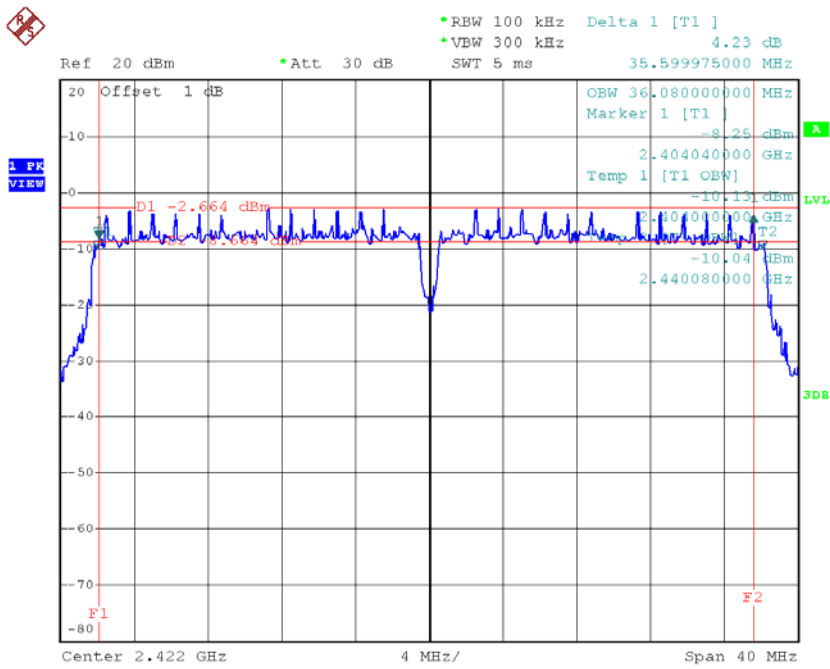


Date: 2.MAR.2016 14:09:49

Test Mode : TX N-40MHz Mode_CH03/06/09

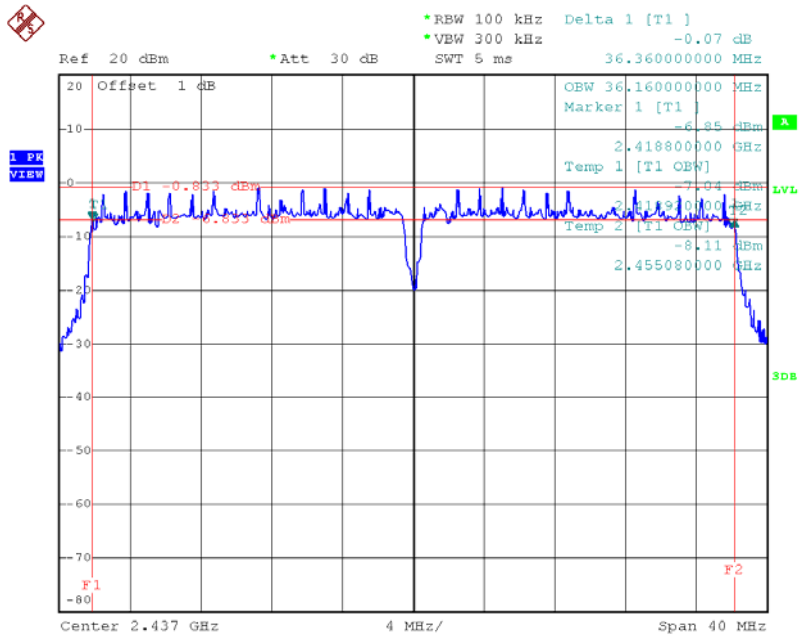
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.60	36.08	500	Complies
2437	36.36	36.16	500	Complies
2452	35.92	36.08	500	Complies

TX CH03



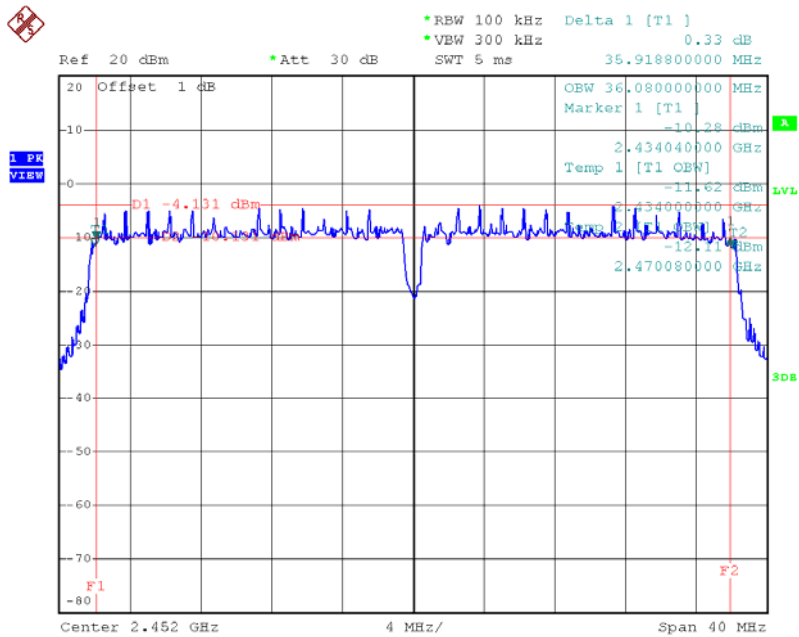
Date: 2.MAR.2016 14:23:45

TX CH06



Date: 2.MAR.2016 14:26:36

TX CH09



Date: 2.MAR.2016 14:28:18

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	21.20	0.13	29.00	0.79	Complies
2437	20.46	0.11	29.00	0.79	Complies
2462	18.99	0.08	29.00	0.79	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	24.51	0.28	29.00	0.79	Complies
2437	26.25	0.42	29.00	0.79	Complies
2462	23.94	0.25	29.00	0.79	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	23.93	0.25	29.00	0.79	Complies
2437	25.31	0.34	29.00	0.79	Complies
2462	21.26	0.13	29.00	0.79	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	23.14	0.21	29.00	0.79	Complies
2437	25.94	0.39	29.00	0.79	Complies
2462	22.11	0.16	29.00	0.79	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	26.56	0.45	29.00	0.79	Complies
2437	28.65	0.73	29.00	0.79	Complies
2462	24.72	0.30	29.00	0.79	Complies

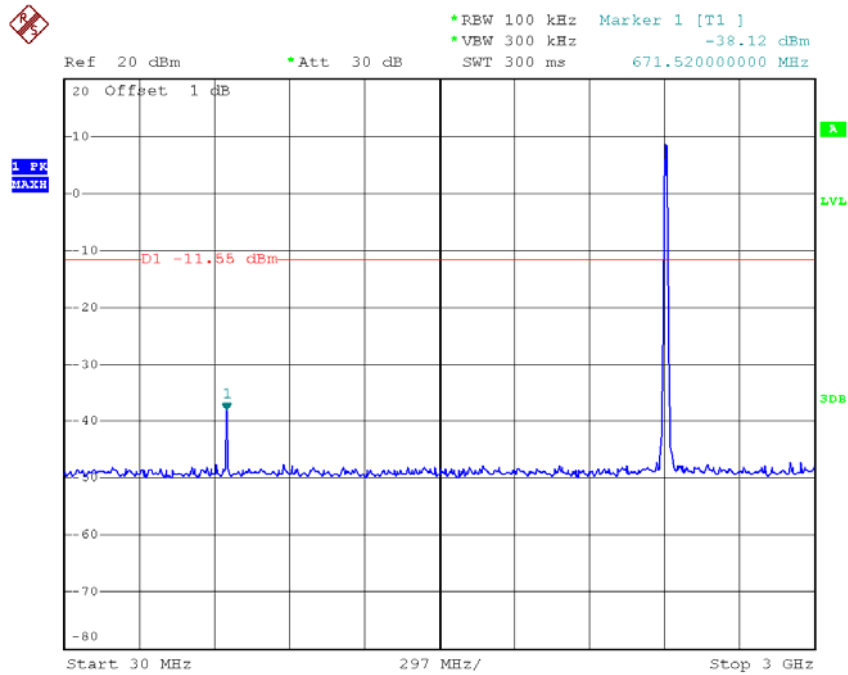
Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.76	0.06	29.00	0.79	Complies
2437	20.19	0.10	29.00	0.79	Complies
2452	16.32	0.04	29.00	0.79	Complies

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	19.01	0.08	29.00	0.79	Complies
2437	20.52	0.11	29.00	0.79	Complies
2452	16.89	0.05	29.00	0.79	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	21.44	0.14	29.00	0.79	Complies
2437	23.37	0.22	29.00	0.79	Complies
2452	19.62	0.09	29.00	0.79	Complies

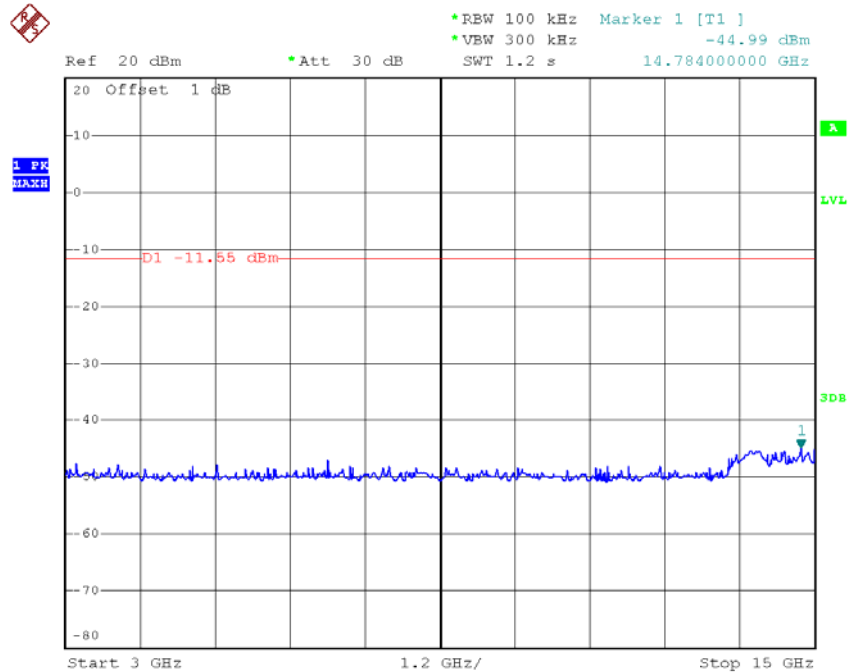
**ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS
EMISSION**

TX B mode CH01_30MHz to 3GHz



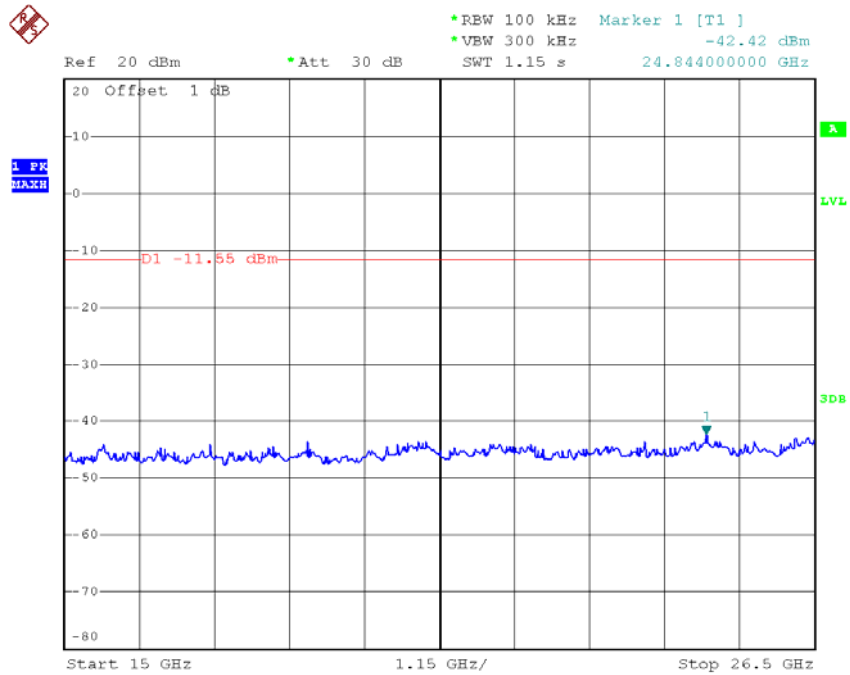
Date: 4.JUN.2016 20:32:01

TX B mode CH01_3GHz to 15GHz



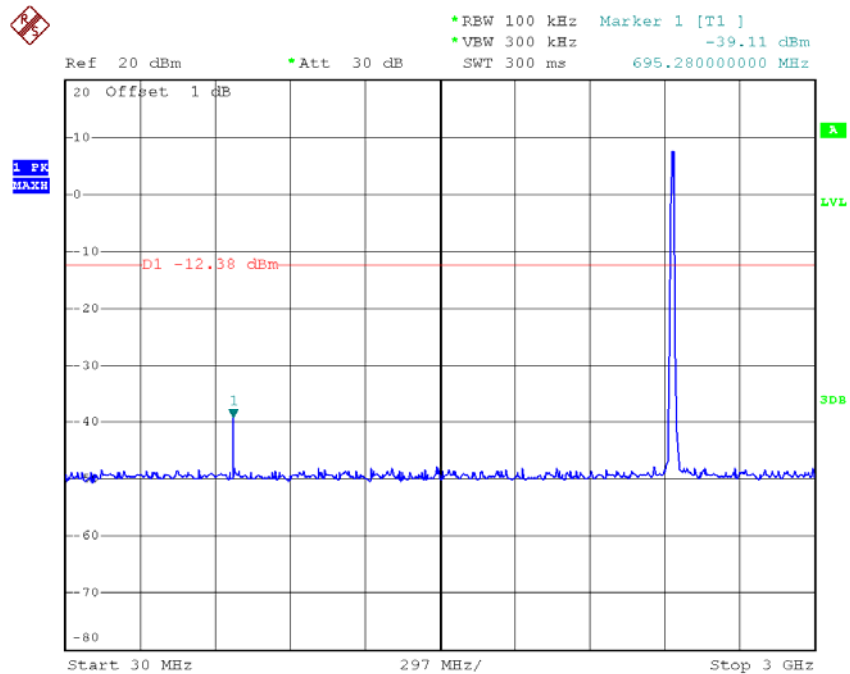
Date: 4.JUN.2016 20:32:55

TX B mode CH01_15GHz to 26.5GHz



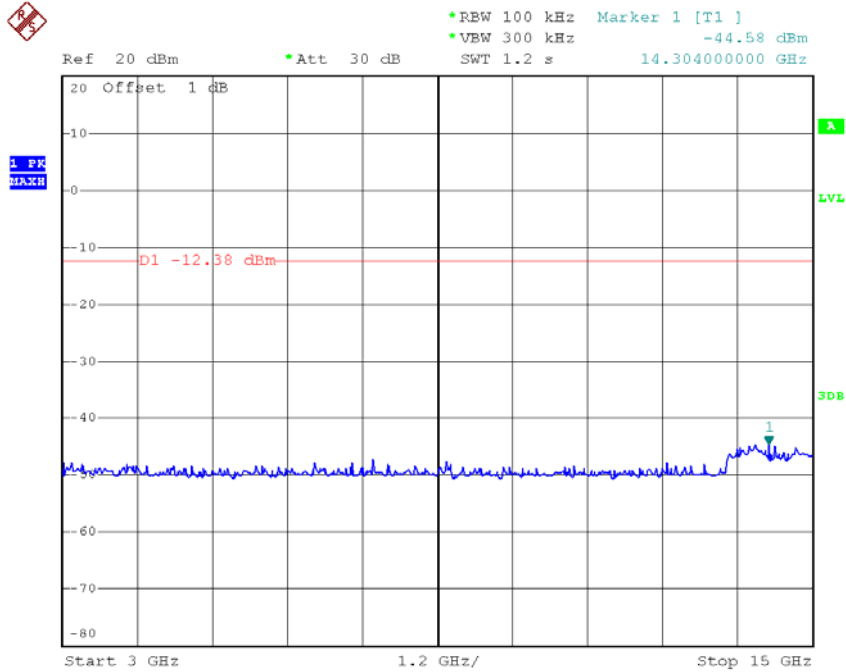
Date: 4.JUN.2016 20:33:31

TX B mode CH06_30MHz to 3GHz



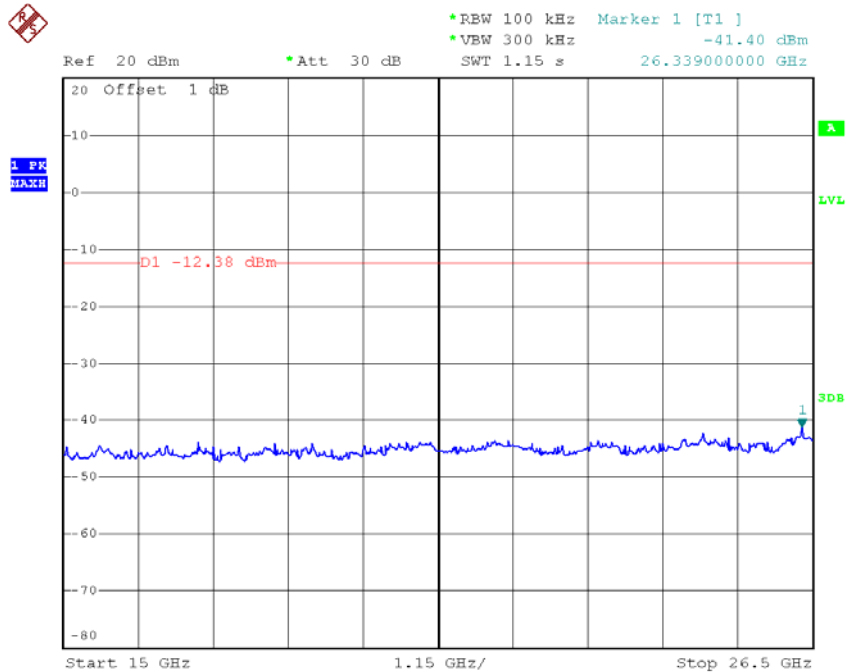
Date: 4.JUN.2016 20:38:53

TX B mode CH06_3GHz to 15GHz



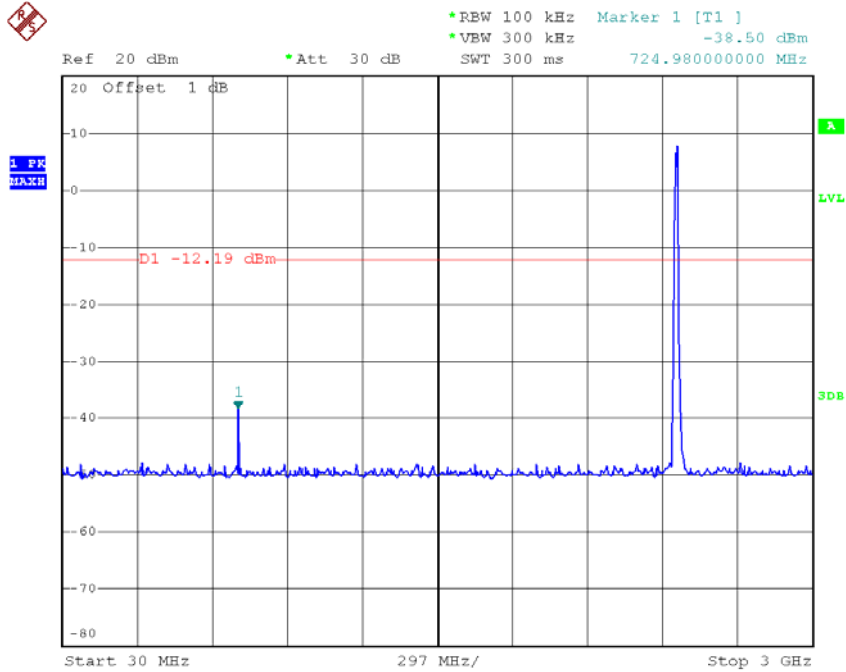
Date: 4.JUN.2016 20:39:30

TX B mode CH06_15GHz to 26.5GHz



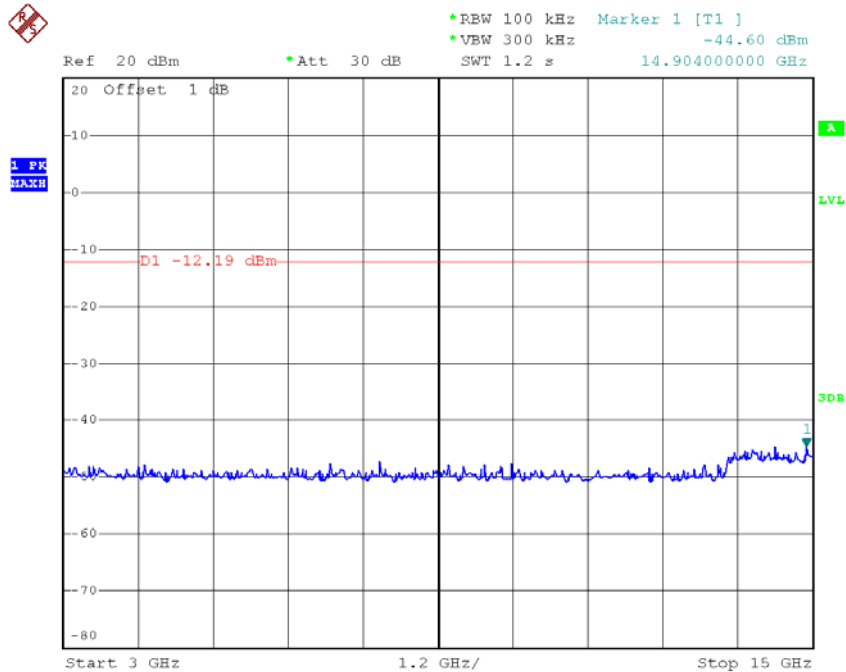
Date: 4.JUN.2016 20:40:34

TX B mode CH11_30MHz to 3GHz



Date: 4.JUN.2016 20:45:08

TX B mode CH11_3GHz to 15GHz



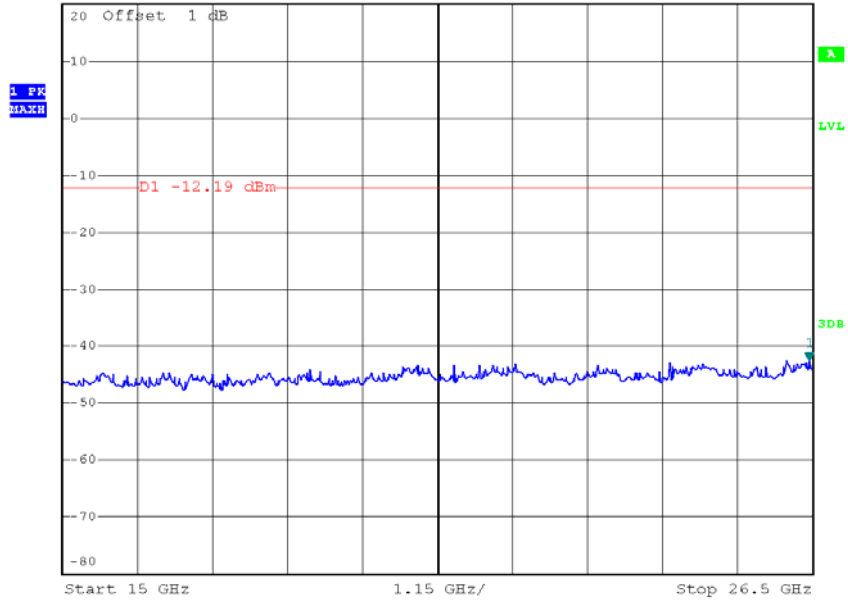
Date: 4.JUN.2016 20:45:39

TX B mode CH11_15GHz to 26.5GHz



*REW 100 kHz Marker 1 [T1]
*VBW 300 kHz -42.52 dBm
SWT 1.15 s 26.45400000 GHz

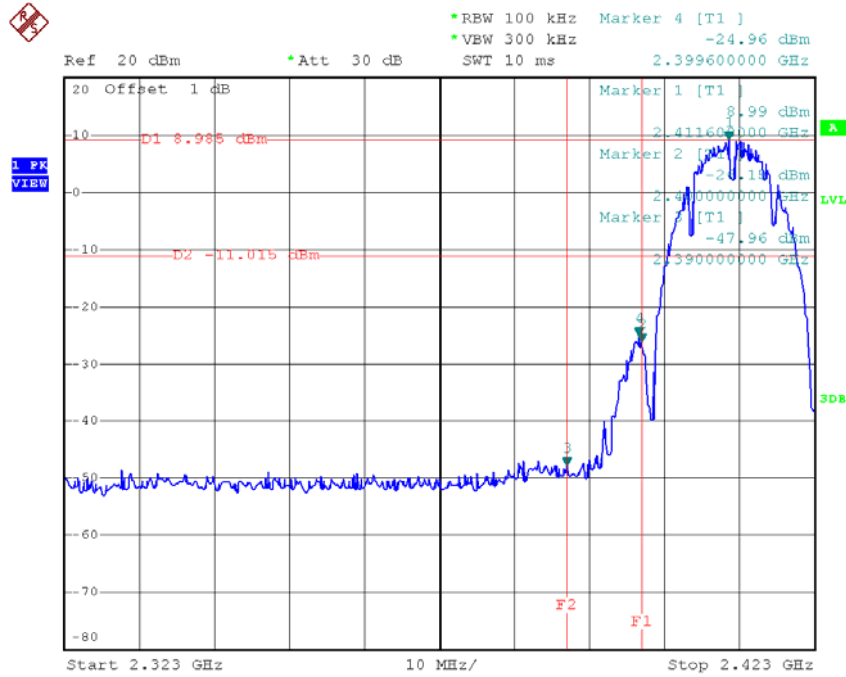
Ref 20 dBm *Att 30 dB



Date: 4.JUN.2016 20:46:14

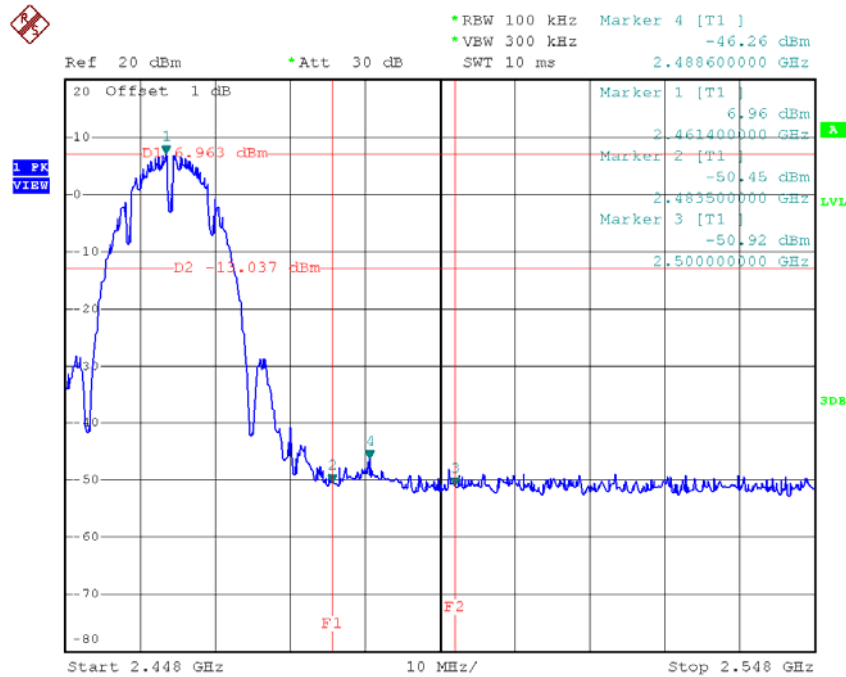
Test Mode : TX B Mode_ANT 1

TX B mode CH01



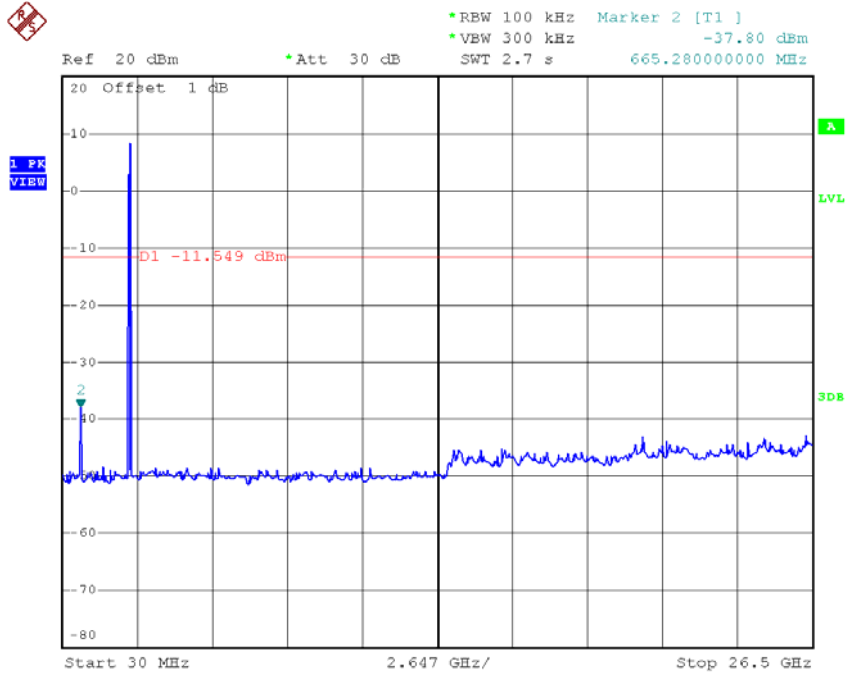
Date: 2.MAR.2016 13:56:57

TX B mode CH11



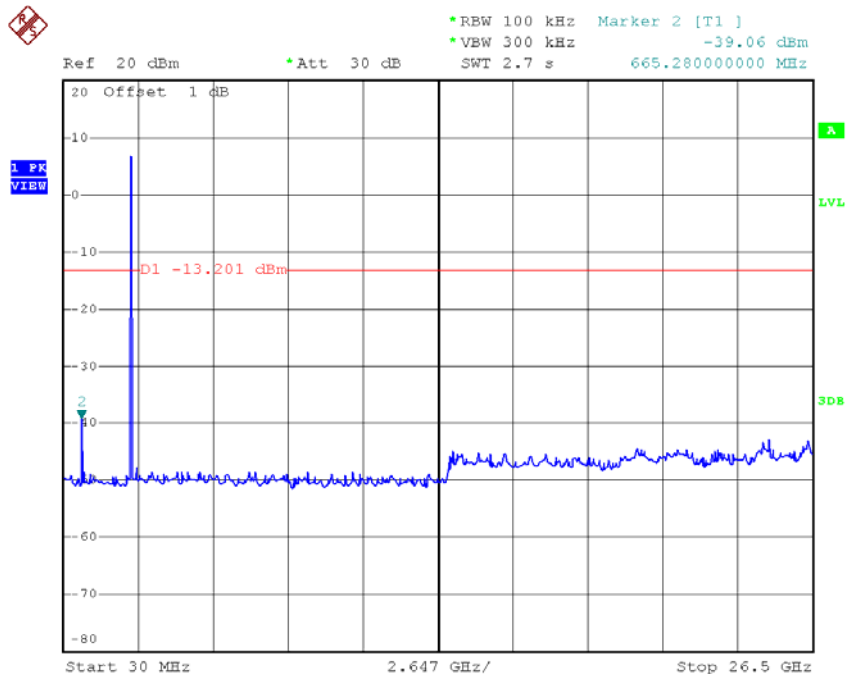
Date: 2.MAR.2016 14:00:31

TX B mode CH01 (10 Harmonic of the frequency)



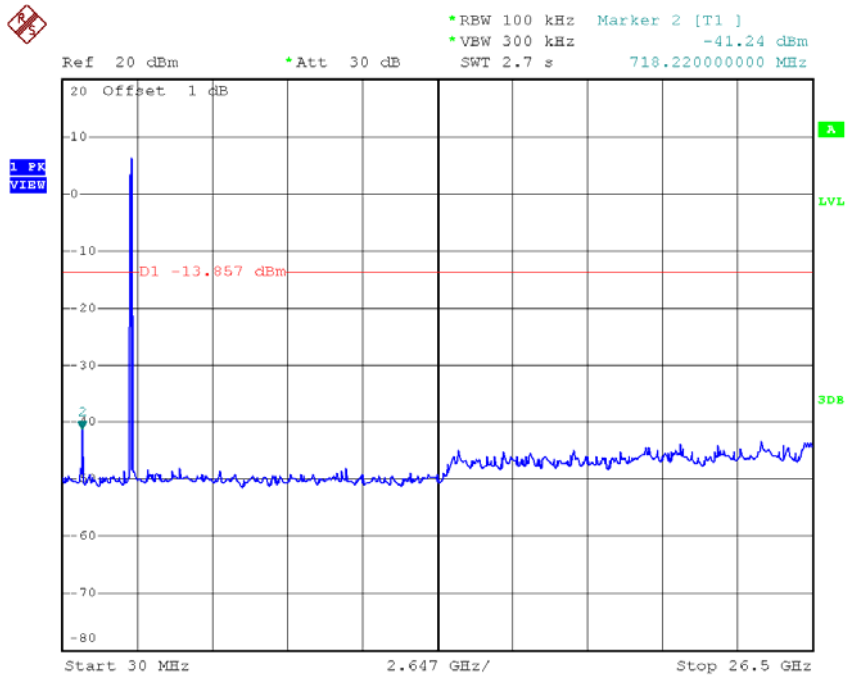
Date: 2.MAR.2016 13:56:49

TX B mode CH06 (10 Harmonic of the frequency)



Date: 2.MAR.2016 13:58:21

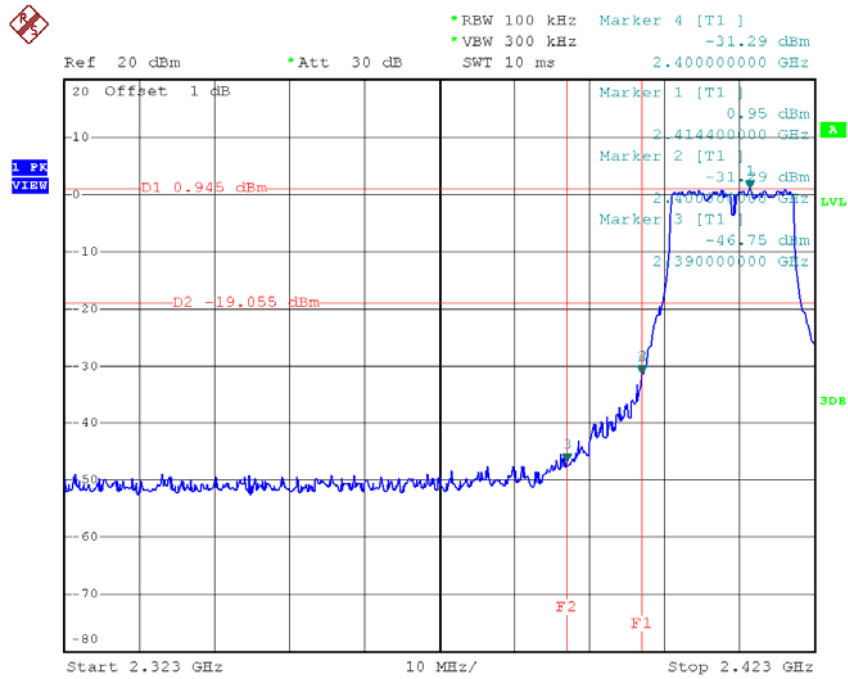
TX B mode CH11 (10 Harmonic of the frequency)



Date: 2.MAR.2016 14:00:23

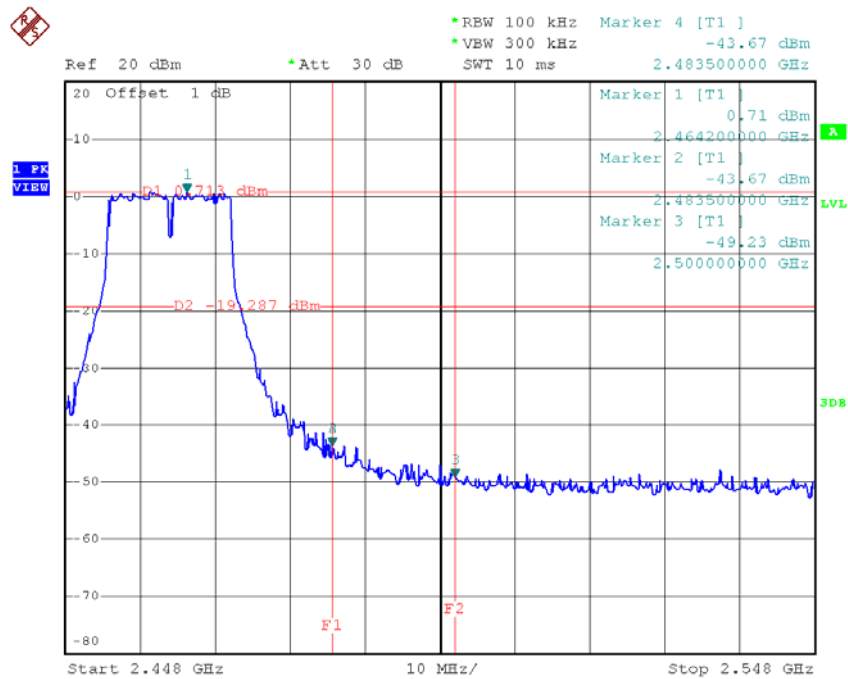
Test Mode : TX G Mode_ANT 1

TX G mode CH01



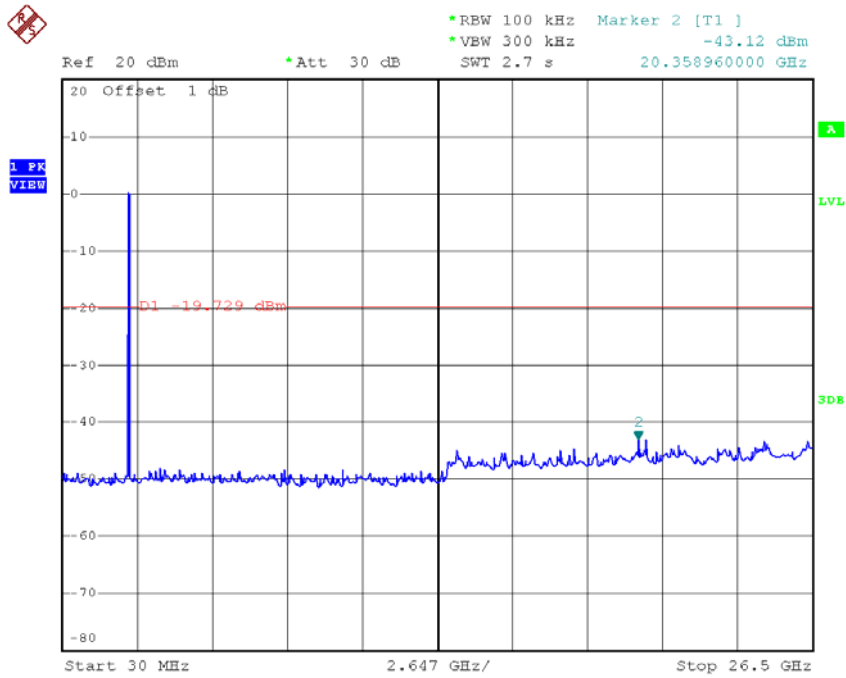
Date: 2.MAR.2016 14:02:13

TX G mode CH11



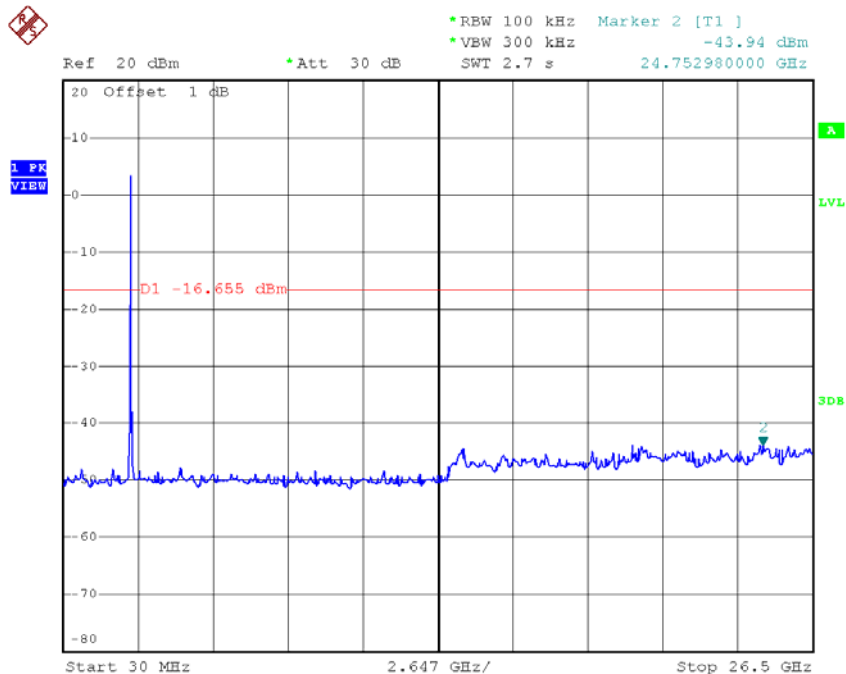
Date: 2.MAR.2016 14:05:34

TX G mode CH01 (10 Harmonic of the frequency)



Date: 2.MAR.2016 14:02:06

TX G mode CH06 (10 Harmonic of the frequency)

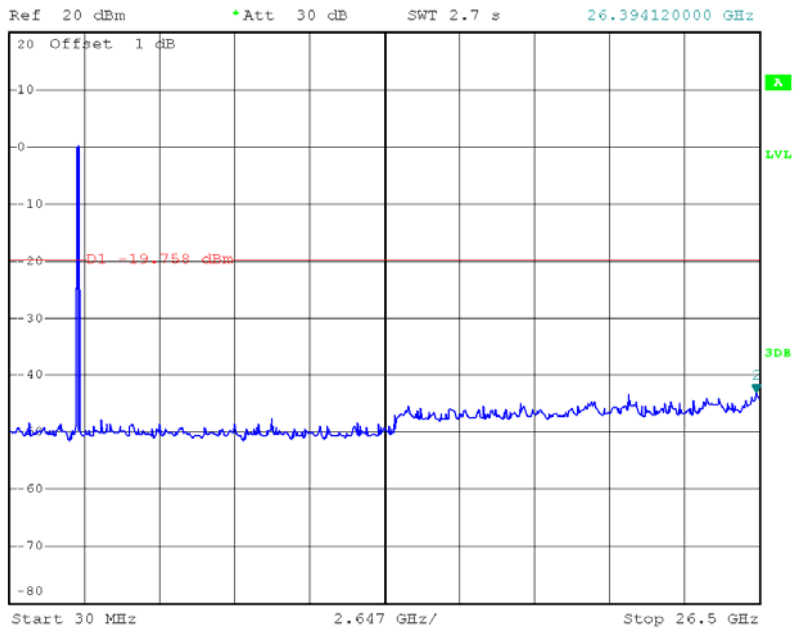


Date: 2.MAR.2016 14:04:13

TX G mode CH11 (10 Harmonic of the frequency)



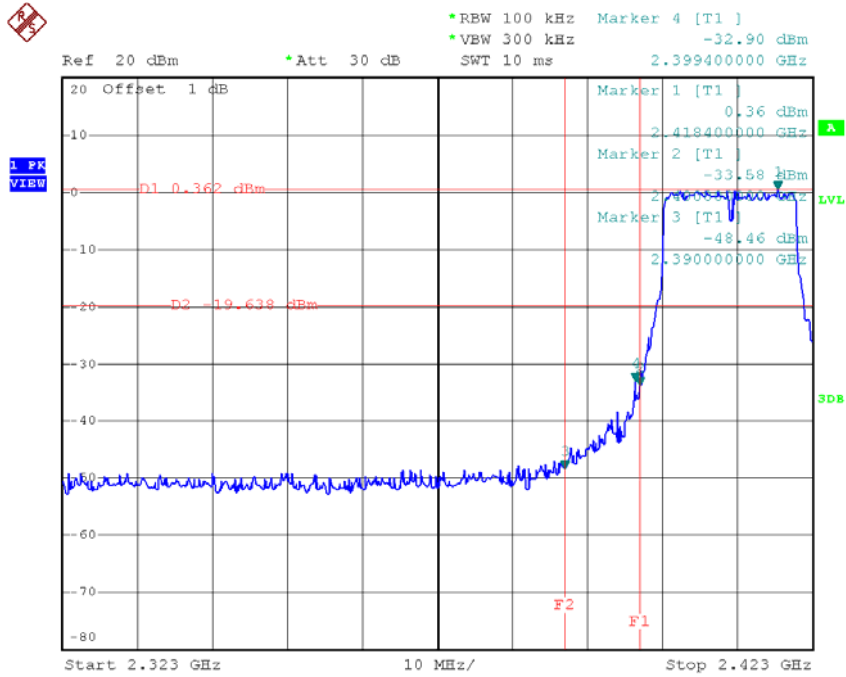
*REW 100 kHz Marker 2 [T1]
*VEW 300 kHz -43.02 dBm
SWT 2.7 s 26.394120000 GHz



Date: 2.MAR.2016 14:05:26

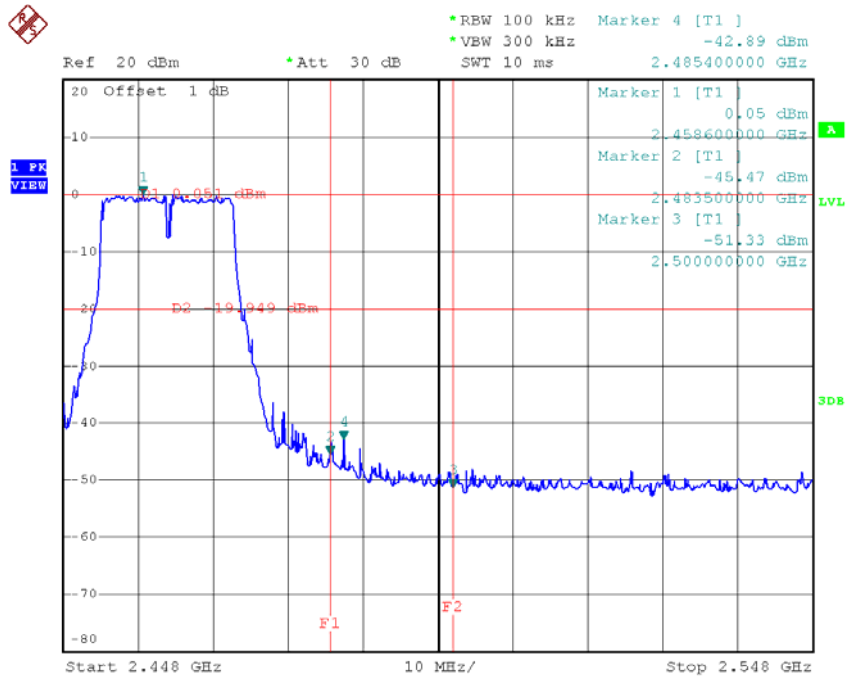
Test Mode : TX N-20M Mode_ANT 1

TX HT20 mode CH01



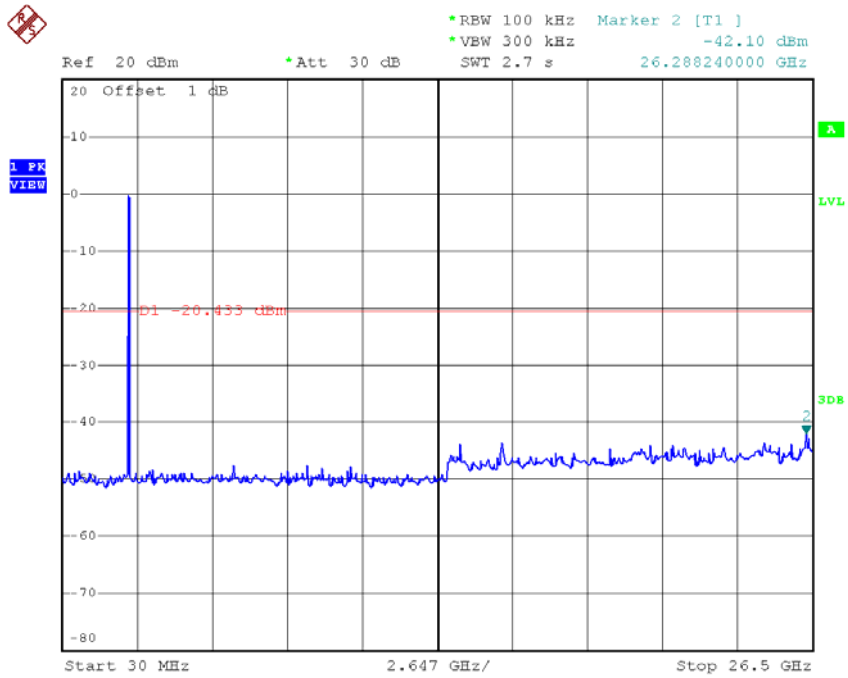
Date: 2.MAR.2016 14:07:22

TX HT20 mode CH11



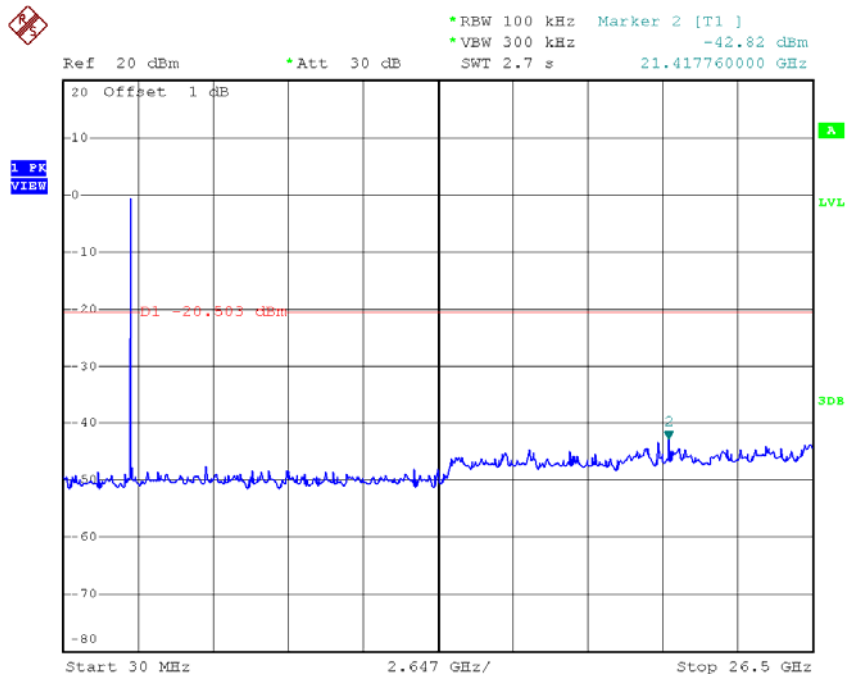
Date: 2.MAR.2016 14:10:11

TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 2.MAR.2016 14:07:15

TX HT20 mode CH06 (10 Harmonic of the frequency)

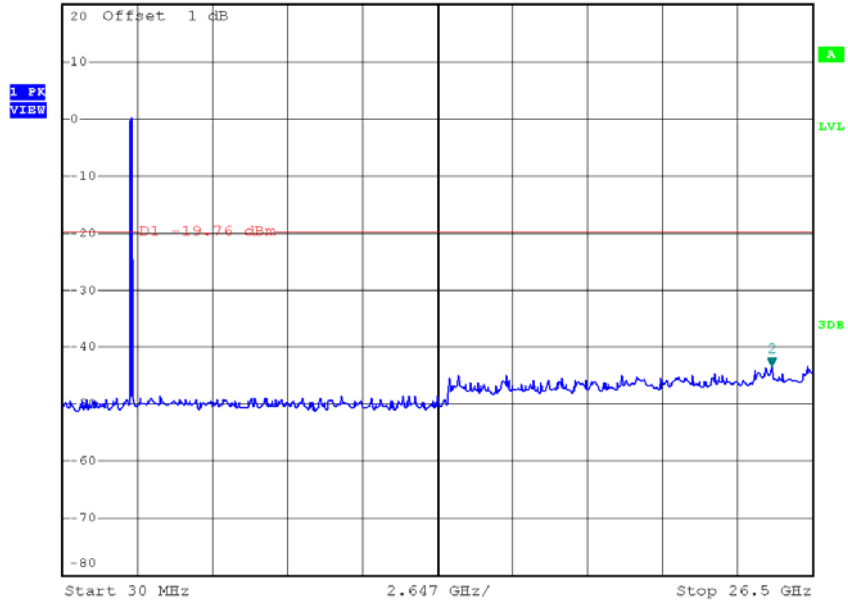


Date: 2.MAR.2016 14:08:39

TX HT20 mode CH11 (10 Harmonic of the frequency)



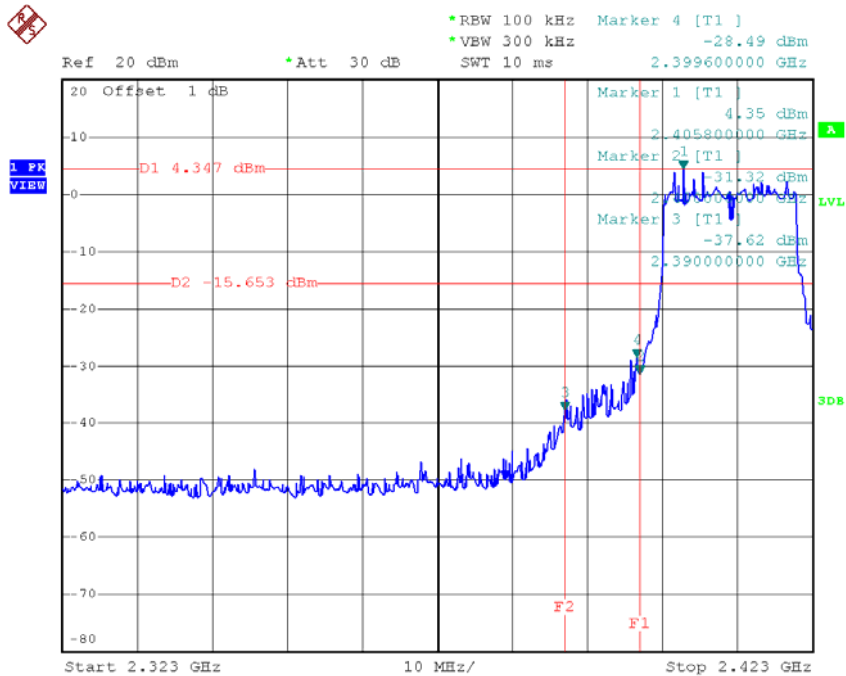
Ref 20 dBm *Att 30 dB *REW 100 kHz Marker 2 [T1]
*VEW 300 kHz -43.45 dBm
SWT 2.7 s 25.070620000 GHz



Date: 2.MAR.2016 14:10:03

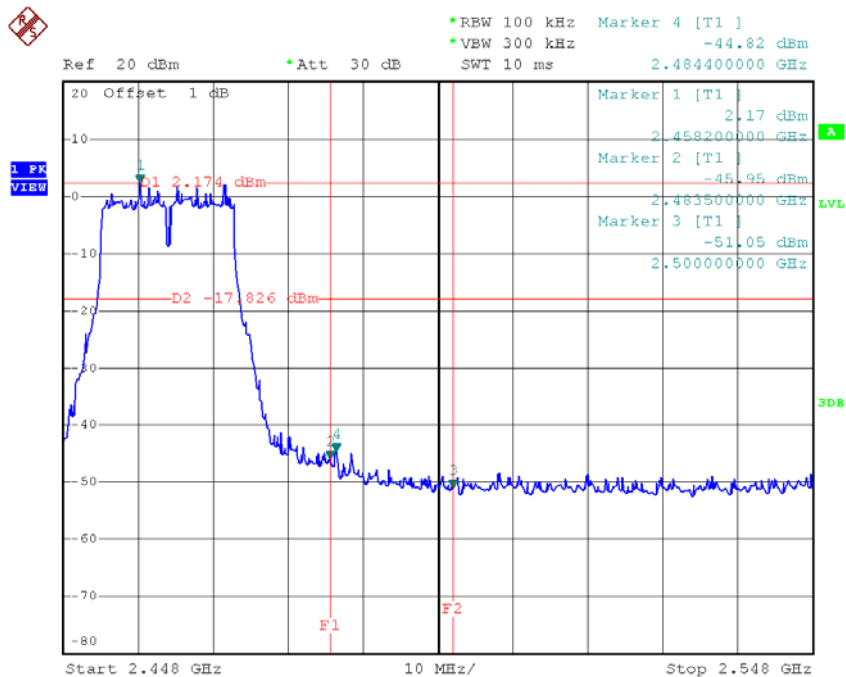
Test Mode : TX N-20M Mode_ANT 2

TX HT20 mode CH01



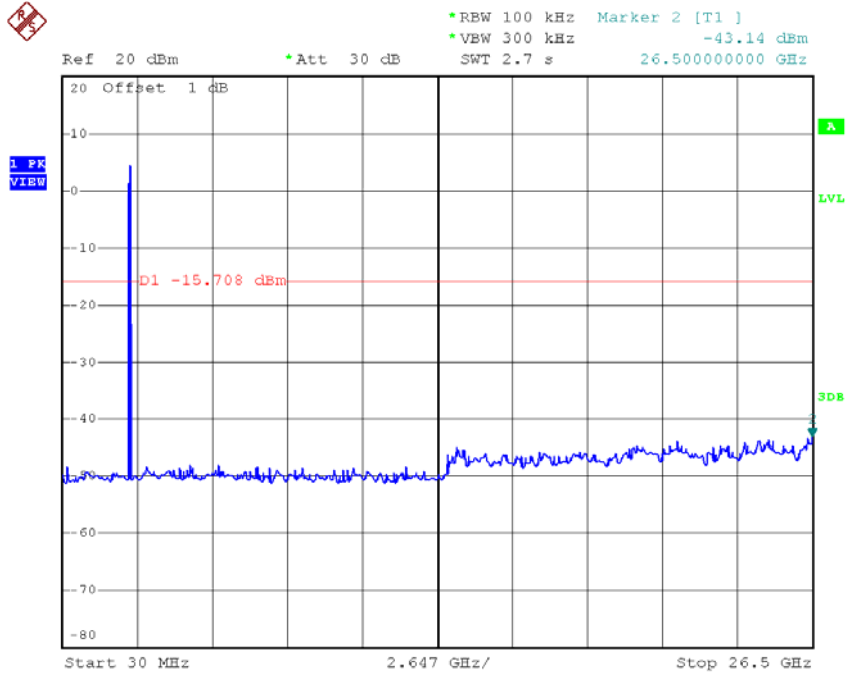
Date: 2.MAR.2016 14:15:09

TX HT20 mode CH11



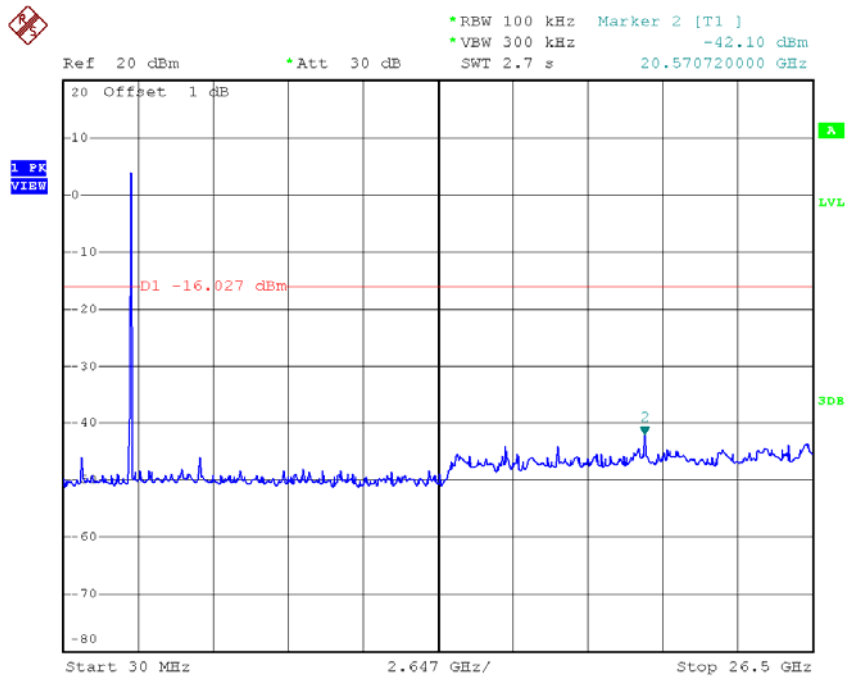
Date: 2.MAR.2016 14:19:19

TX HT20 mode CH01 (10 Harmonic of the frequency)



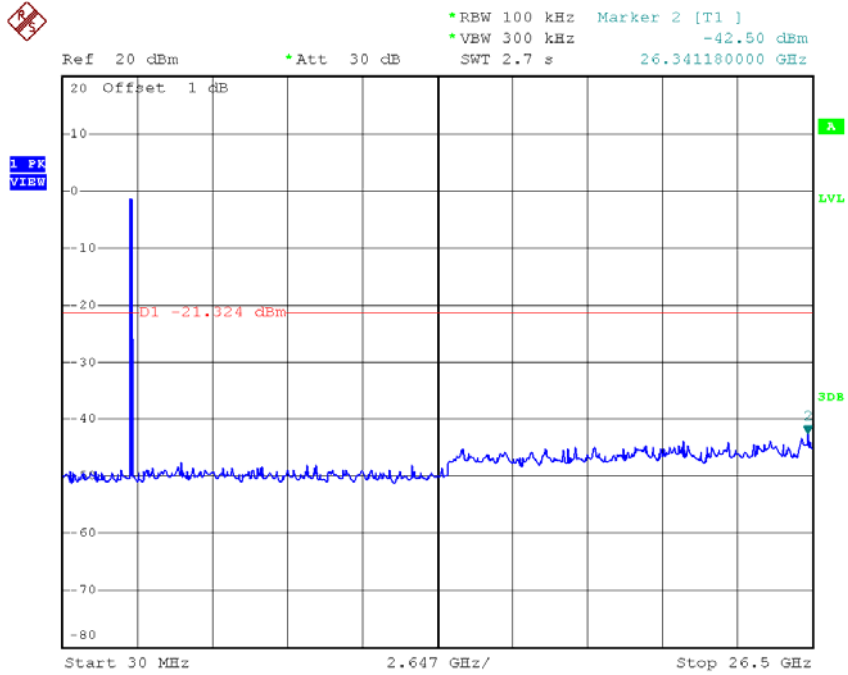
Date: 2.MAR.2016 14:15:02

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 2.MAR.2016 14:17:49

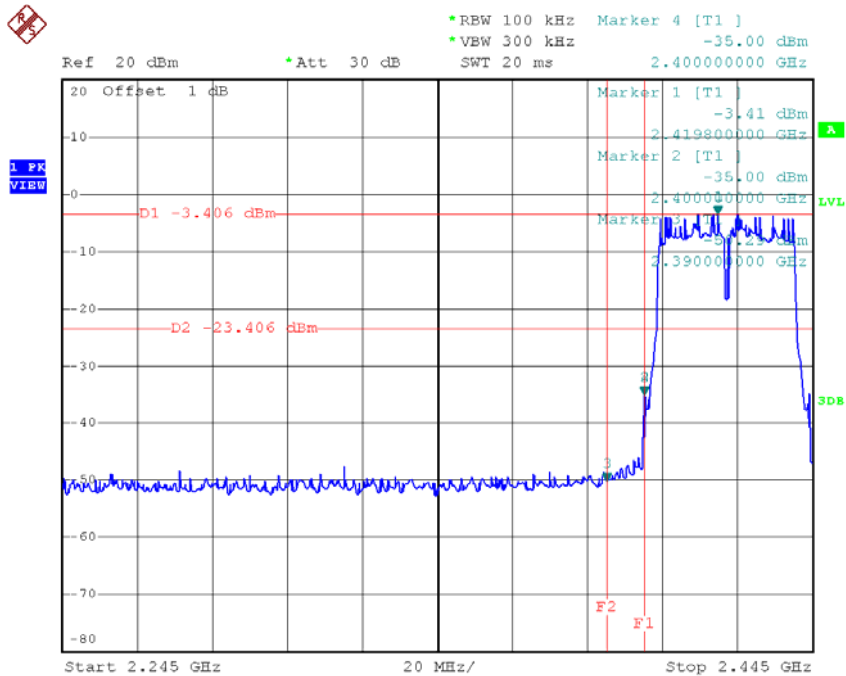
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 2.MAR.2016 14:19:11

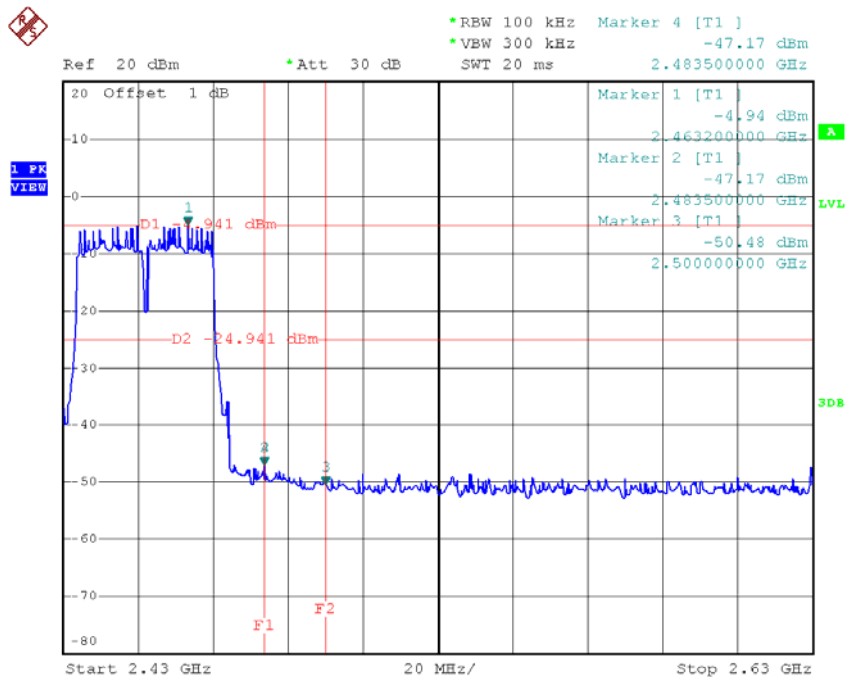
Test Mode : TX N-40M Mode_ANT 1

TX HT40 mode CH03



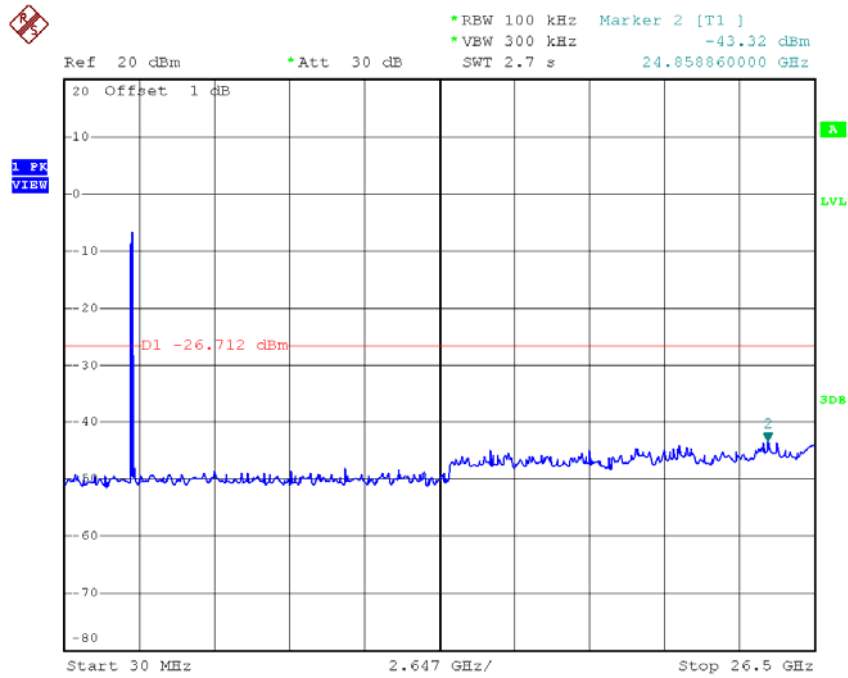
Date: 2.MAR.2016 14:24:07

TX HT40 mode CH09



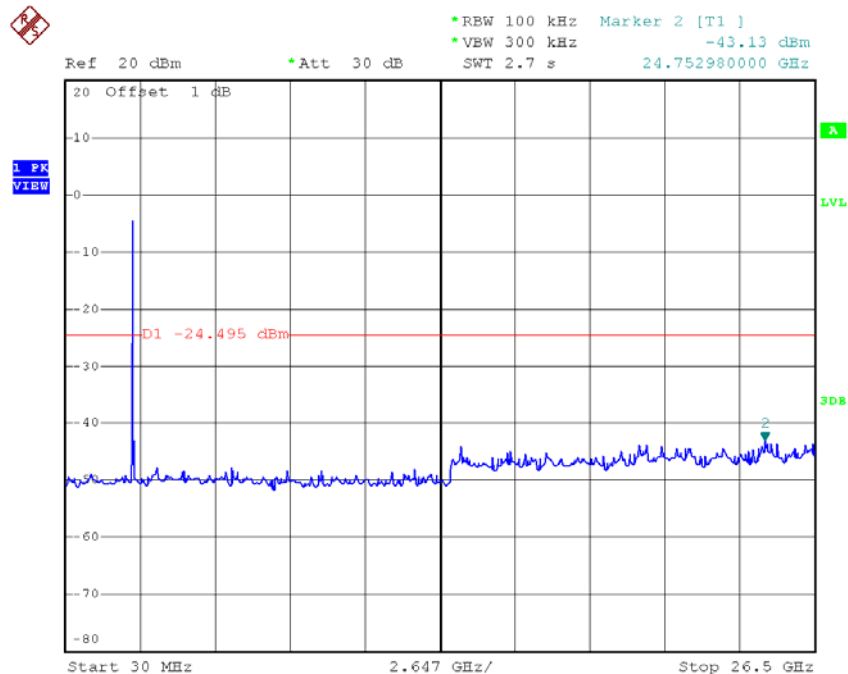
Date: 2.MAR.2016 14:28:40

TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 2.MAR.2016 14:23:59

TX HT40 mode CH06 (10 Harmonic of the frequency)

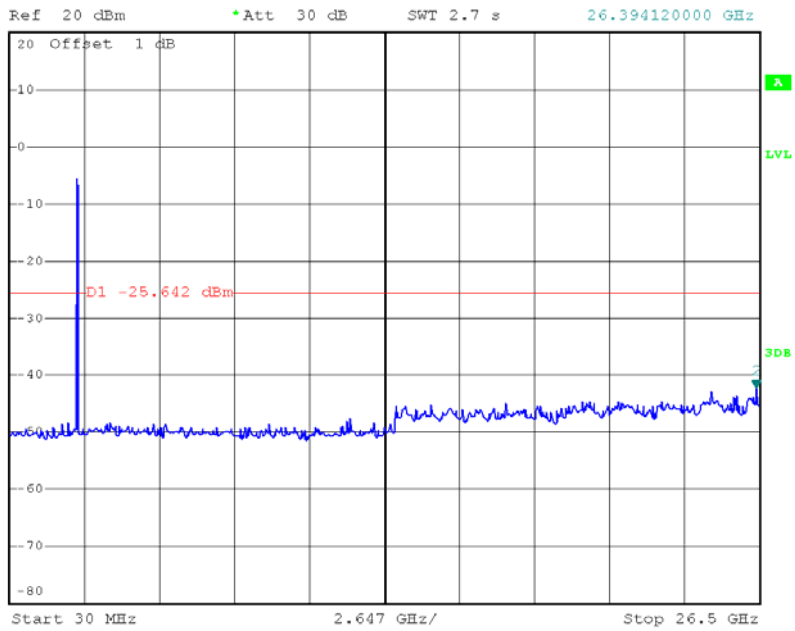


Date: 2.MAR.2016 14:26:51

TX HT40 mode CH09 (10 Harmonic of the frequency)



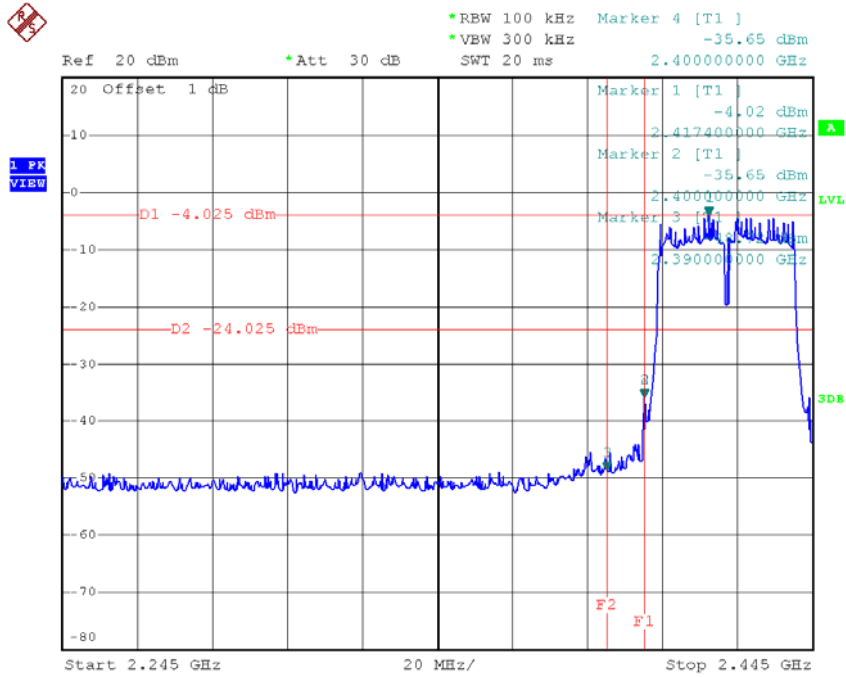
*REW 100 kHz Marker 2 [T1]
*VEW 300 kHz -42.34 dBm
SWT 2.7 s 26.394120000 GHz



Date: 2.MAR.2016 14:28:32

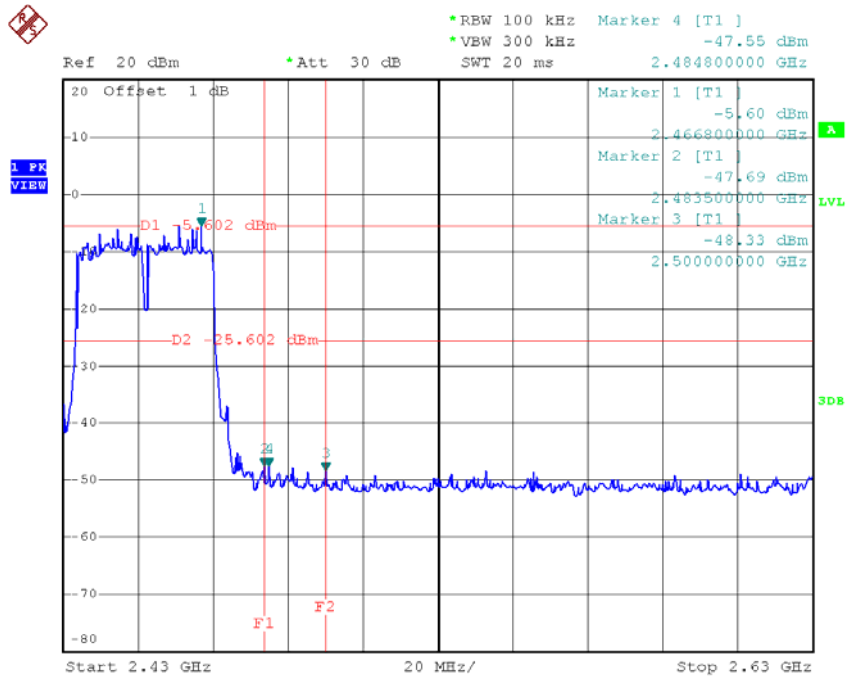
Test Mode : TX N-40M Mode_ANT 2

TX HT40 mode CH03



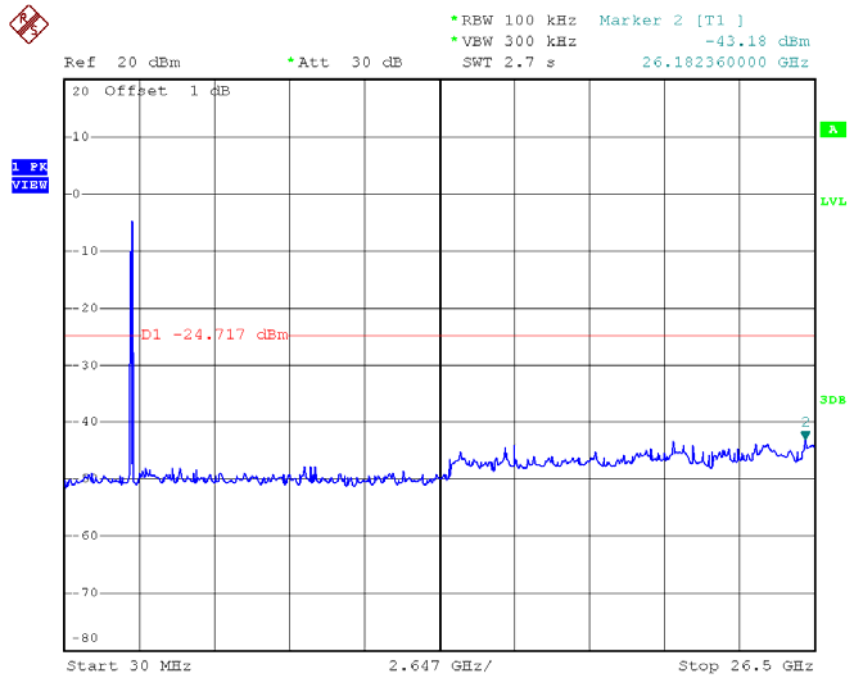
Date: 2.MAR.2016 14:30:33

TX HT40 mode CH09



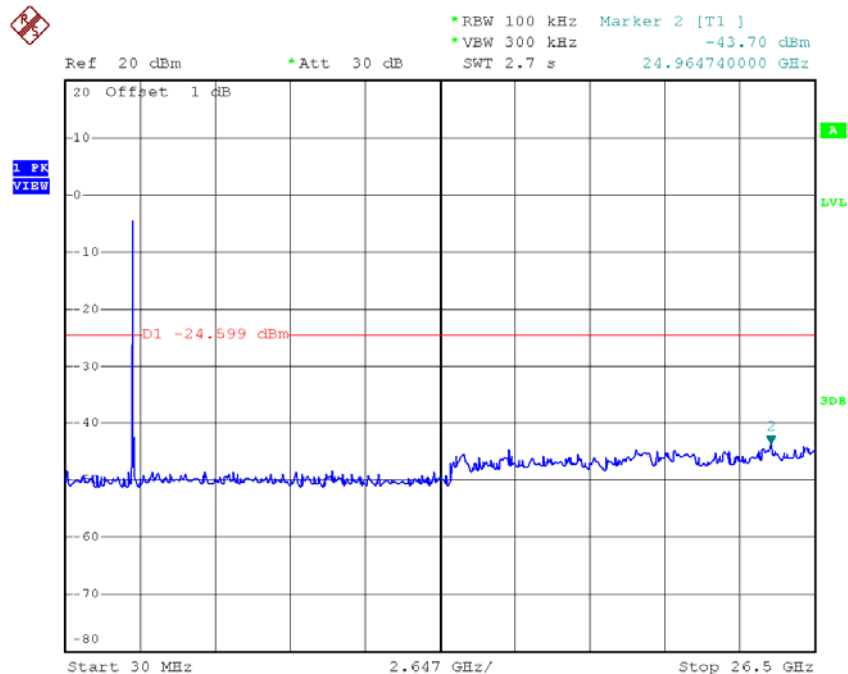
Date: 2.MAR.2016 14:35:02

TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 2.MAR.2016 14:30:25

TX HT40 mode CH06 (10 Harmonic of the frequency)

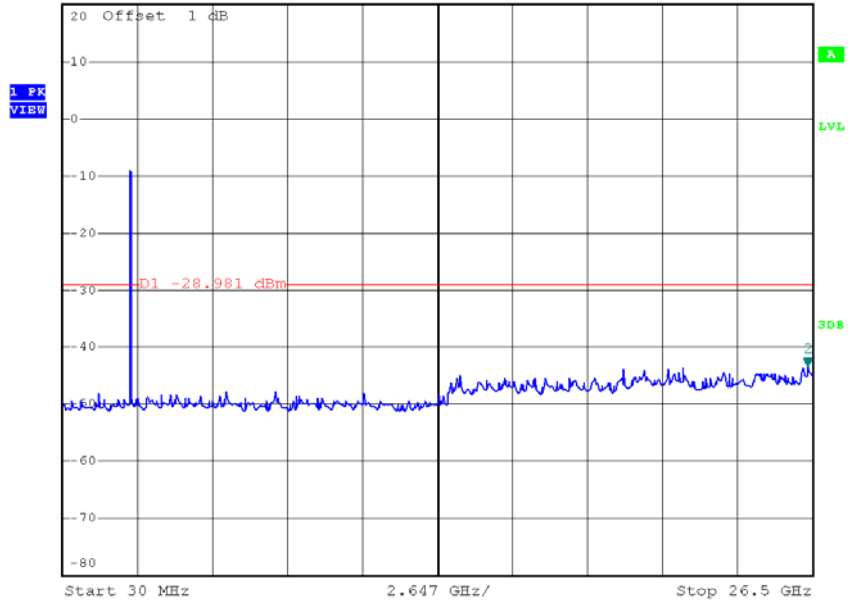


Date: 2.MAR.2016 14:32:49

TX HT40 mode CH09 (10 Harmonic of the frequency)



Ref 20 dBm *Att 30 dB *REW 100 kHz Marker 2 [T1]
*VEW 300 kHz -43.46 dBm
SWT 2.7 s 26.341180000 GHz

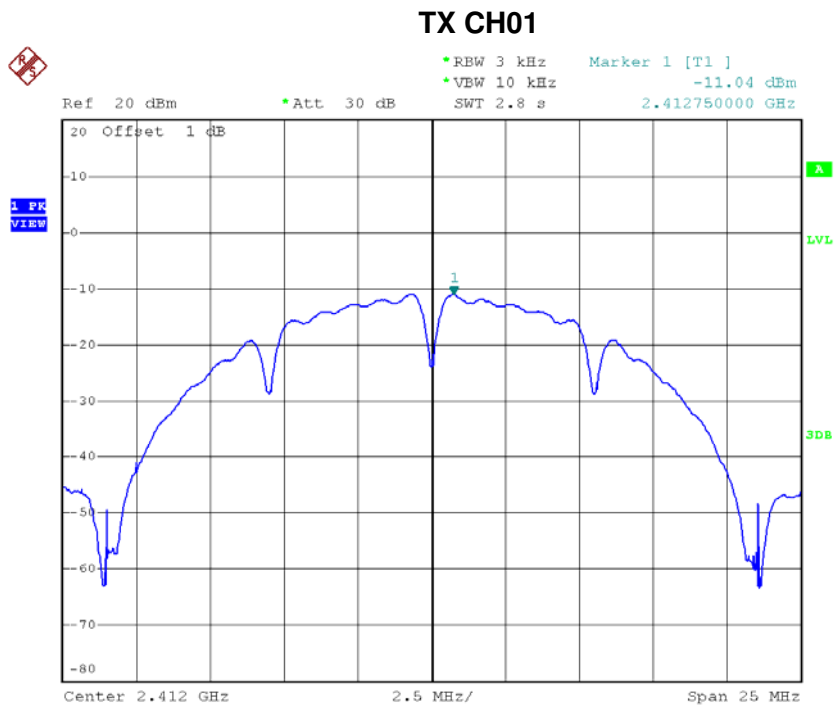


Date: 2.MAR.2016 14:34:54

ATTACHMENT H - POWER SPECTRAL DENSITY

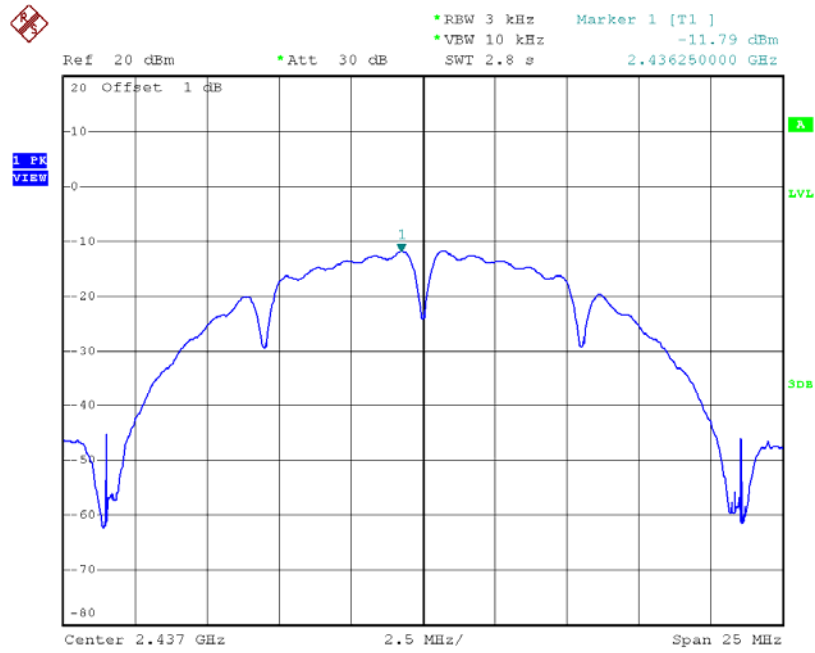
Test Mode :TX B Mode_CH01/06/11_ANT 1

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.04	0.08	7.00	Complies
2437	-11.79	0.07	7.00	Complies
2462	-13.06	0.05	7.00	Complies



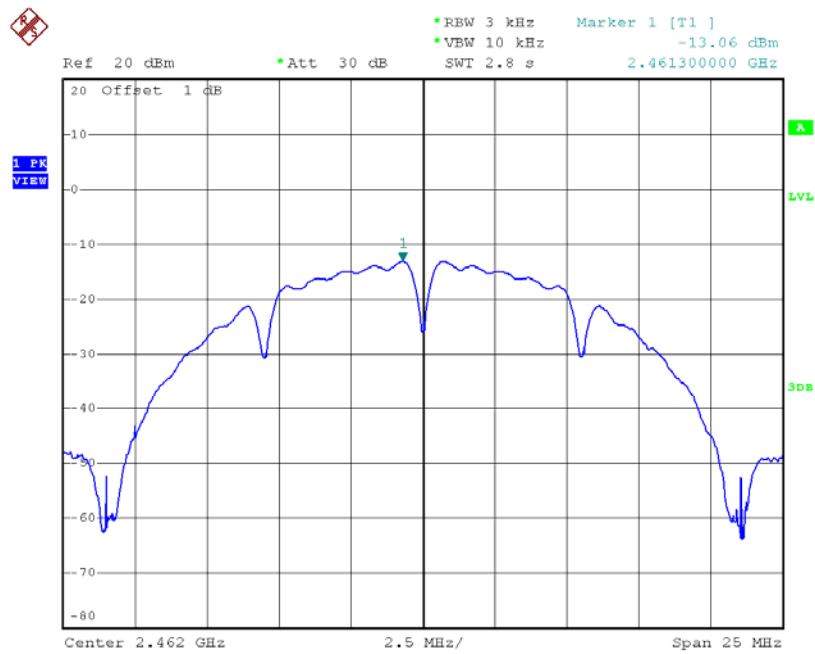
Date: 2.MAR.2016 13:57:06

TX CH06



Date: 2.MAR.2016 13:58:30

TX CH11

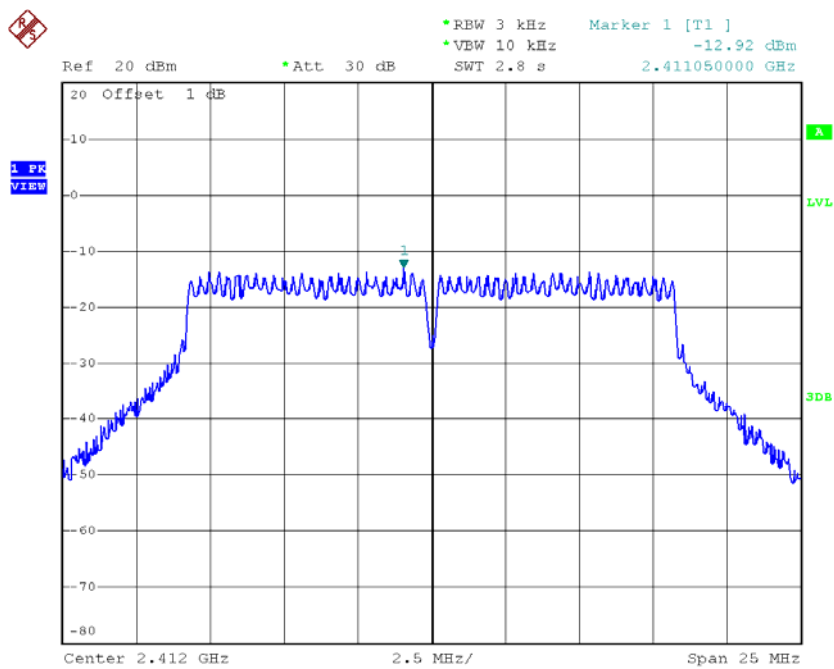


Date: 2.MAR.2016 14:00:40

Test Mode :TX G Mode_CH01/06/11_ANT 1

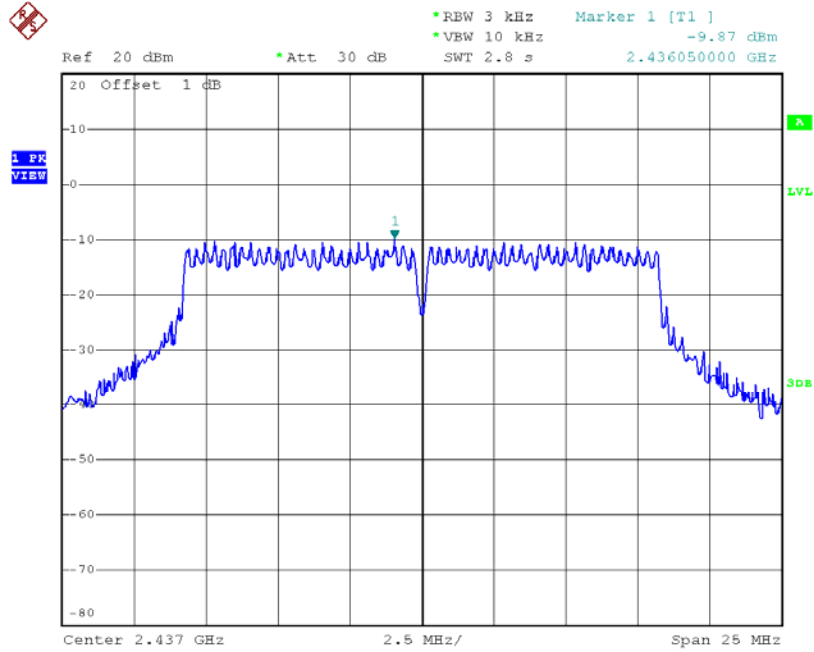
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.92	0.05	7.00	Complies
2437	-9.87	0.10	7.00	Complies
2462	-13.32	0.05	7.00	Complies

TX CH01



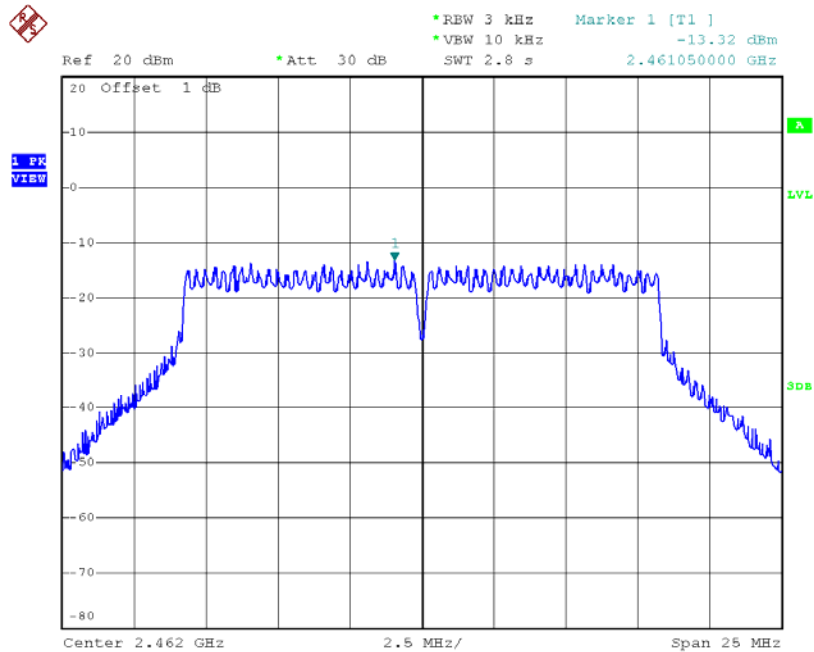
Date: 2.MAR.2016 14:02:22

TX CH06



Date: 2.MAR.2016 14:04:22

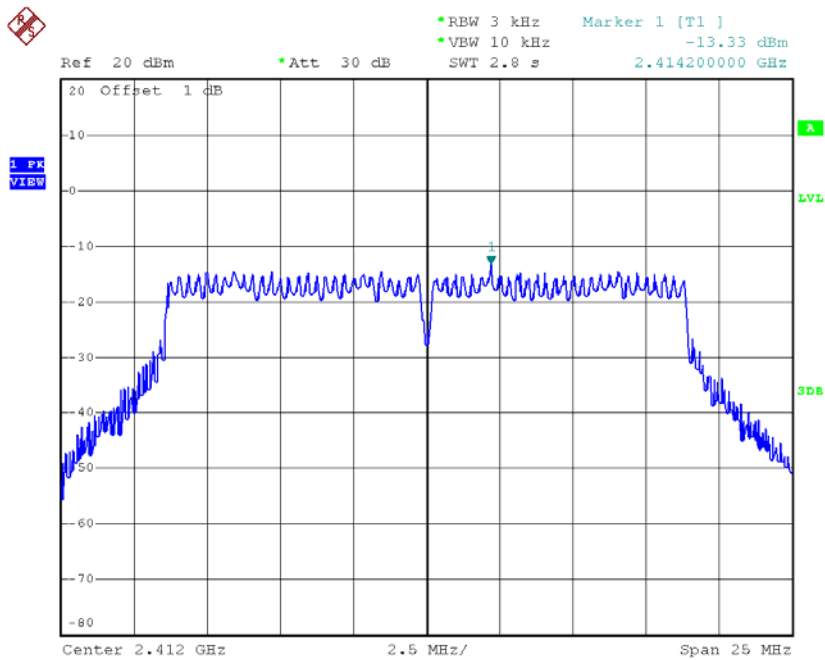
TX CH11



Date: 2.MAR.2016 14:05:43

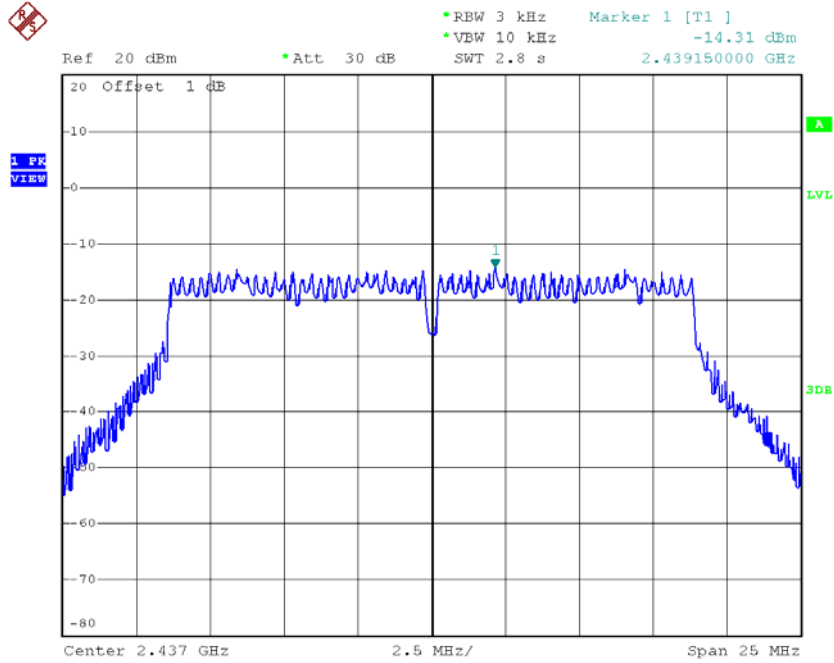
Test Mode : TX N-20M Mode_CH01/06/11_ANT 1

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-13.33	0.05	7.00	Complies
2437	-14.31	0.04	7.00	Complies
2462	-13.13	0.05	7.00	Complies

TX CH01


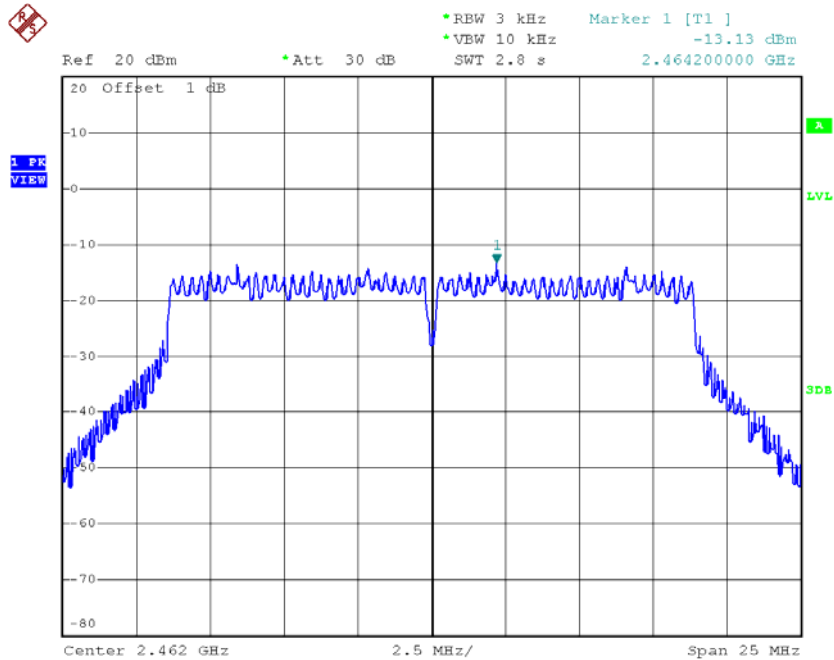
Date: 2.MAR.2016 14:07:31

TX CH06



Date: 2.MAR.2016 14:08:48

TX CH11

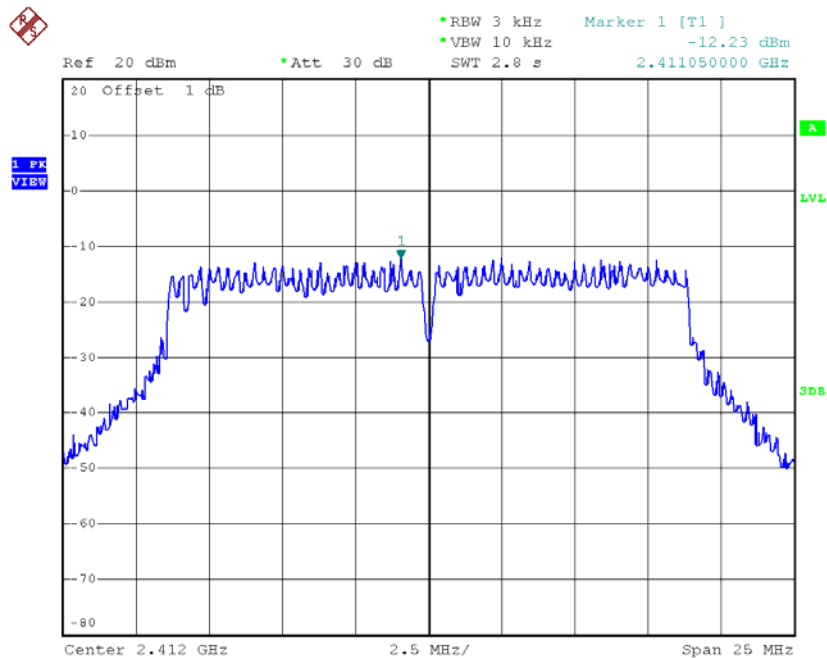


Date: 2.MAR.2016 14:10:20

Test Mode : TX N-20M Mode_CH01/06/11_ANT 2

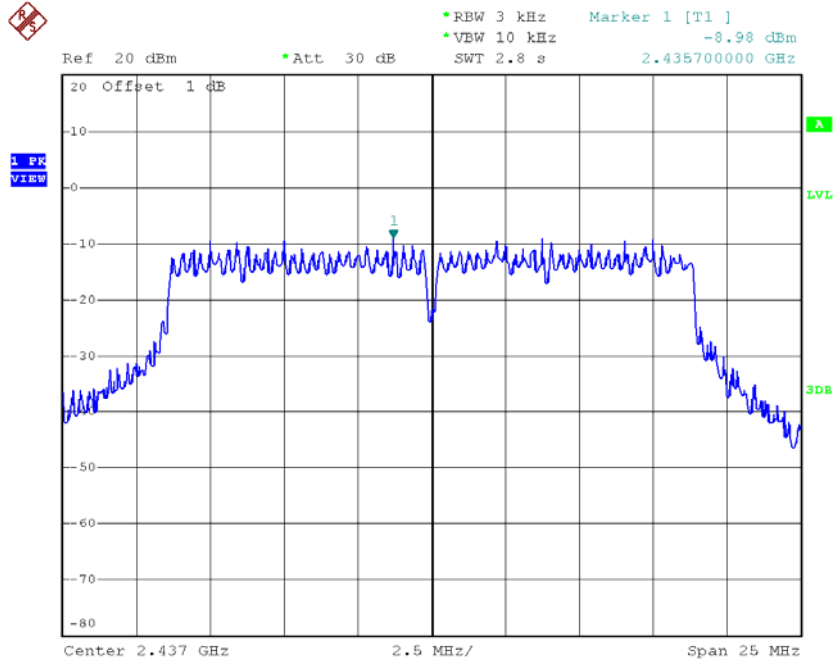
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.23	0.06	7.00	Complies
2437	-8.98	0.13	7.00	Complies
2462	-13.78	0.04	7.00	Complies

TX CH01



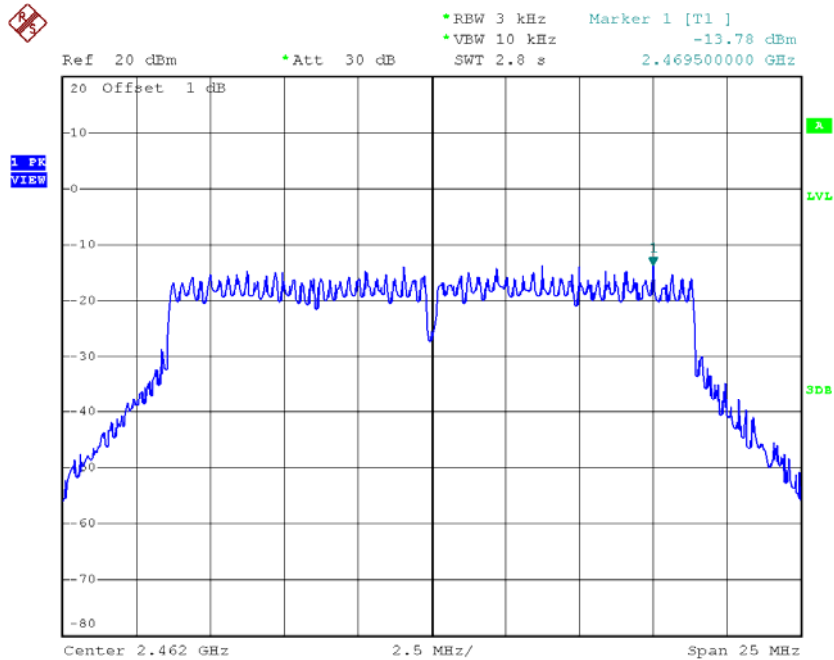
Date: 2.MAR.2016 14:16:44

TX CH06



Date: 2.MAR.2016 14:17:58

TX CH11



Date: 2.MAR.2016 14:19:28

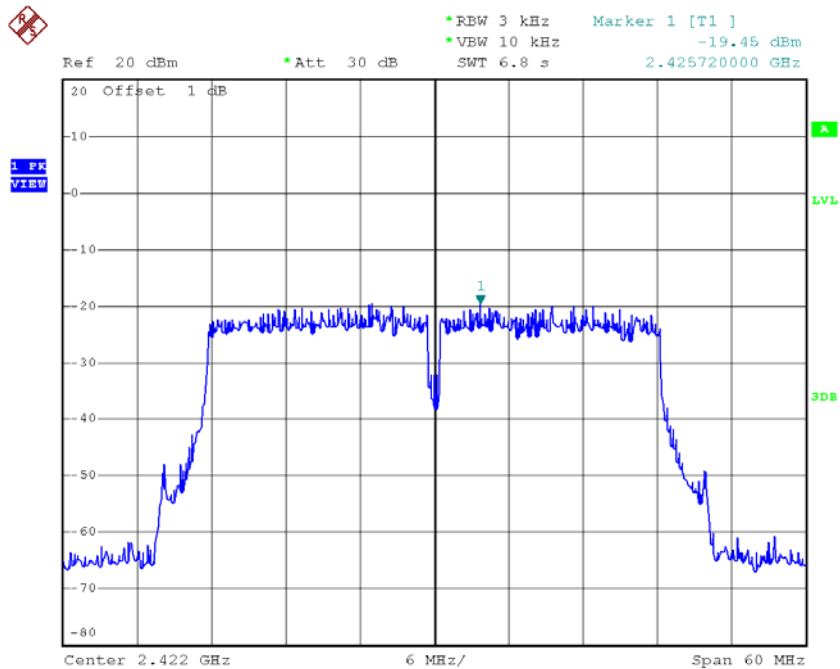
Test Mode : TX N-20M Mode_CH01/06/11_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.59	0.11	7.00	Complies
2437	-7.70	0.17	7.00	Complies
2462	-10.46	0.09	7.00	Complies

Test Mode : TX N-40M Mode_CH03/06/09_ANT 1

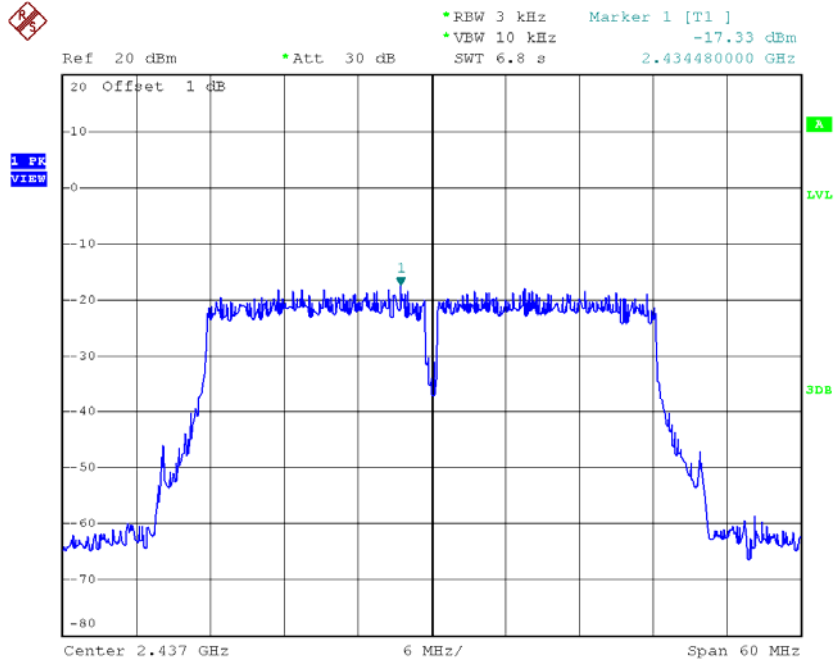
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-19.45	0.01	7.00	Complies
2437	-17.33	0.02	7.00	Complies
2452	-20.69	0.01	7.00	Complies

TX CH03



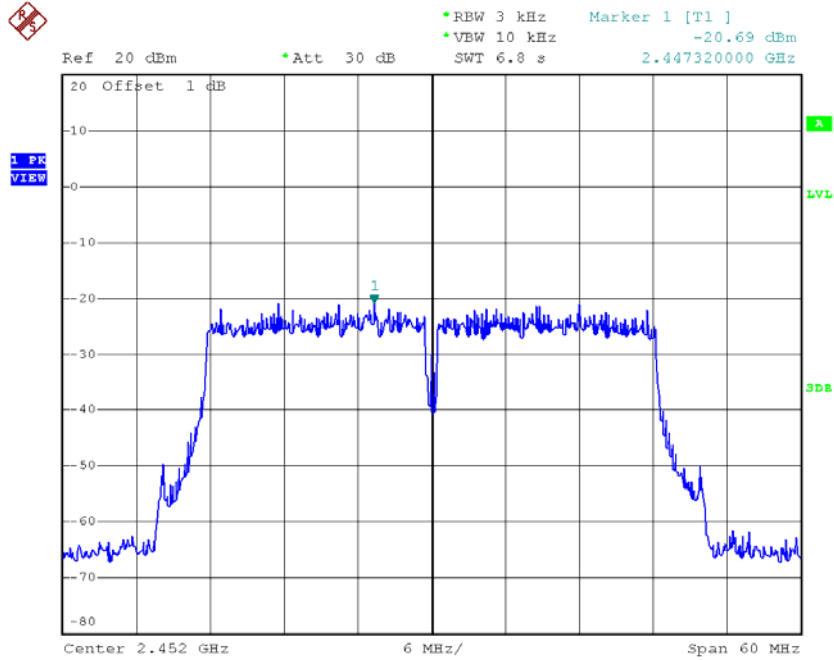
Date: 2.MAR.2016 14:24:19

TX CH06



Date: 2.MAR.2016 14:27:03

TX CH09

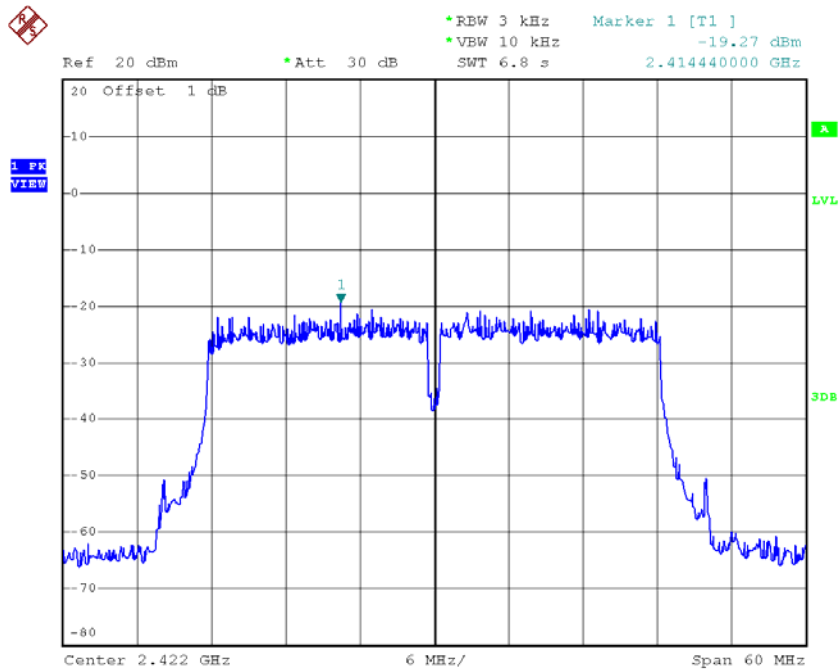


Date: 2.MAR.2016 14:28:52

Test Mode : TX N-40M Mode_CH03/06/09_ANT 2

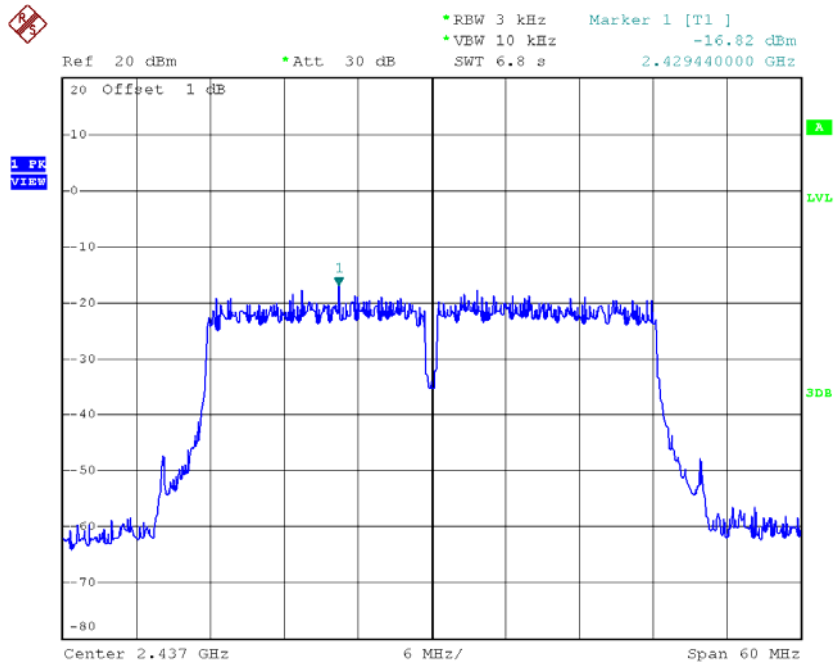
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-19.27	0.01	7.00	Complies
2437	-16.82	0.02	7.00	Complies
2452	-21.59	0.01	7.00	Complies

TX CH03



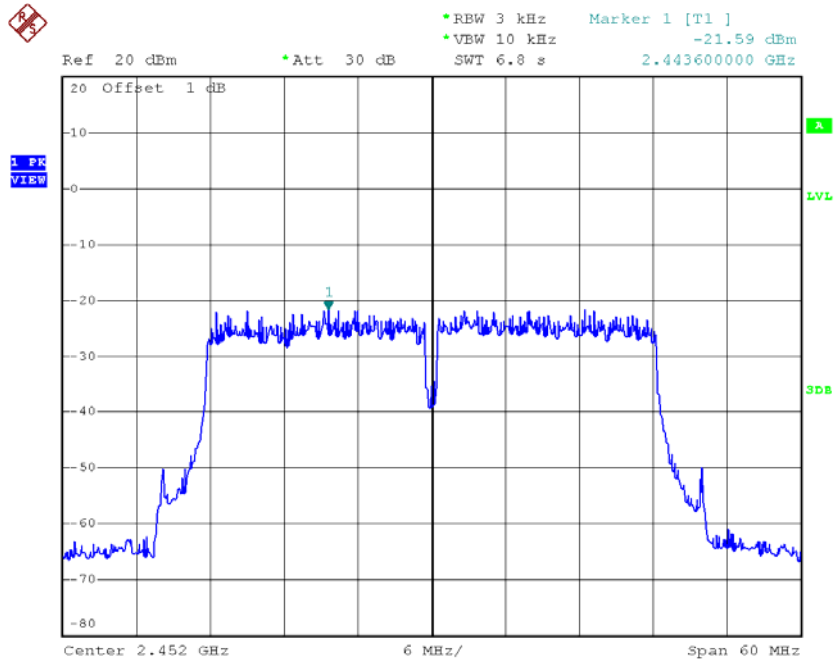
Date: 2.MAR.2016 14:30:45

TX CH06



Date: 2.MAR.2016 14:33:47

TX CH09



Date: 2.MAR.2016 14:35:56

Test Mode : TX N-40M Mode_CH03/06/09_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-16.99	0.02	7.00	Complies
2437	-13.98	0.04	7.00	Complies
2452	-16.99	0.02	7.00	Complies