FCC Radio Test Report

FCC ID: X4YTRNTY3G

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

Project No.	:	1510C002
Equipment	:	3G/4G TRINITY PORTABLE SIM-BASED WI-FI HOTSPOT
Model Name	:	ARNPR3G5U1
Applicant	:	NEXXT SOLUTIONS
Address	:	3505 N.W 107TH AVE,MIAMI,FL,33178

Date of Receipt	:	Oct. 08, 2015
Date of Test	:	Oct. 08, 2015 ~ Nov. 02, 2015
Issued Date	:	Nov. 03, 2015
Tested by	:	BTL Inc.

Testing Engineer : Shawn xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

Authorized Signatory : Steven Lu
(Steven Lu)

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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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-1-1510C002	Original Issue.	Nov. 03, 2015

1. CERTIFICATION

Equipment	:	3G/4G TRINITY PORTABLE SIM-BASED WI-FI HOTSPOT
Brand Name	:	NEXXT
Model Name	:	ARNPR3G5U1
Applicant	:	NEXXT SOLUTIONS
Manufacturer	:	NEXXT SOLUTIONS
Address	:	3505 N.W 107TH AVE,MIAMI,FL,33178
Date of Test	:	Oct. 08, 2015 ~ Nov. 02, 2015
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part15, Subpart C: 2014 (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-1-1510C002) 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: 2014			
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 ± 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	3G/4G TRINITY PORTABLE SIM-BASED WI-FI HOTSPOT	
Brand Name	NEXXT	
Model Name	ARNPR3G5U1	
Model Difference	NA	
Product Description	Operation Frequency	2412~2462 MHz
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM
	Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 135 Mbps
	Output Power (Max.)	802.11b: 16.98dBm 802.11g: 14.92dBm 802.11n(20MHz): 13.96dBm 802.11n(40MHz): 12.33dBm
Power Source	#1 Supplied from PC USB port. #2 Supplied from LI-ion Battery. Model:BM301	
Power Rating	#1 DC 5V #2 2000mAh/3.7V/7.4Wh	

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)	Note
1	WUTONG COMMUNICATIN	R301A	Internal	N/A	0.58	2.4G

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 5	Normal Link

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

Note:

(1) The measurements are performed at the high, middle, low available channels.

(2) 802.11b mode: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (6.5Mbps)
802.11n HT40 mode : BPSK (13.5Mbps)
For radiated emission tests, the highest output powers were set for final test.

(3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.

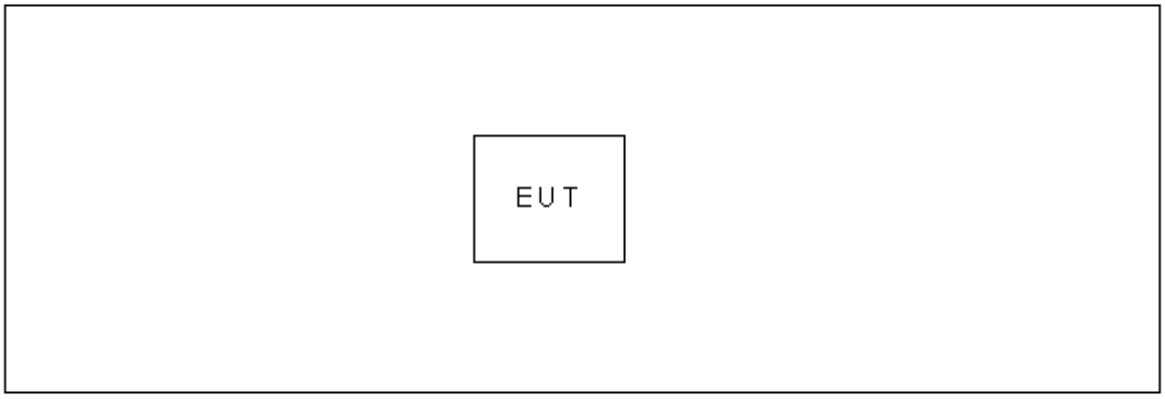
(4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	META		
Frequency (MHz)	2412	2437	2462
802.11b	22	22	21
802.11g	17	20	17
802.11n (20MHz)	17	19	18
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	16	18	16

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
-	-	-	-	-

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

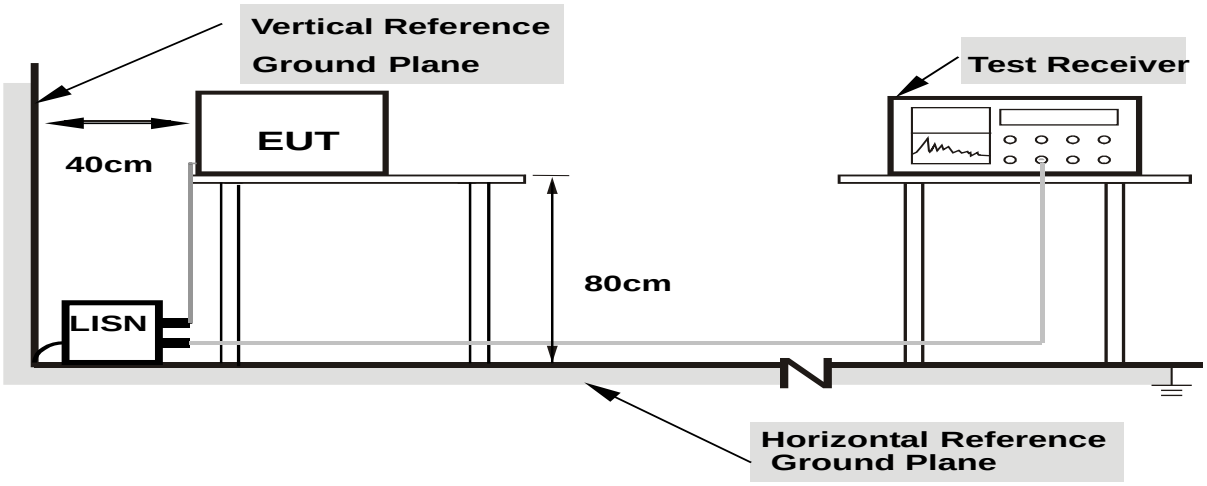
4.1.2 TEST PROCEDURE

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: 28°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

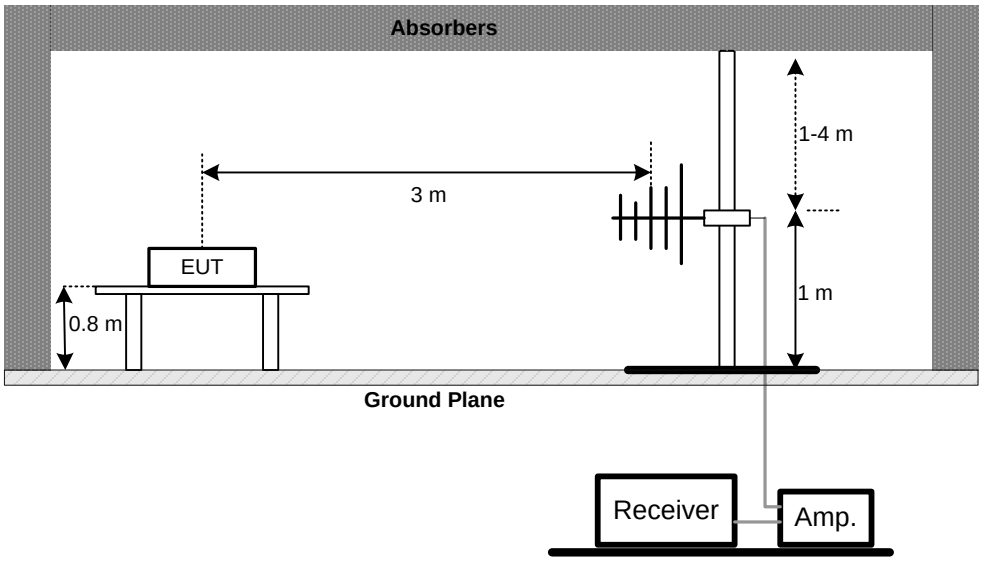
a. The measuring distance of at 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance 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)
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. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

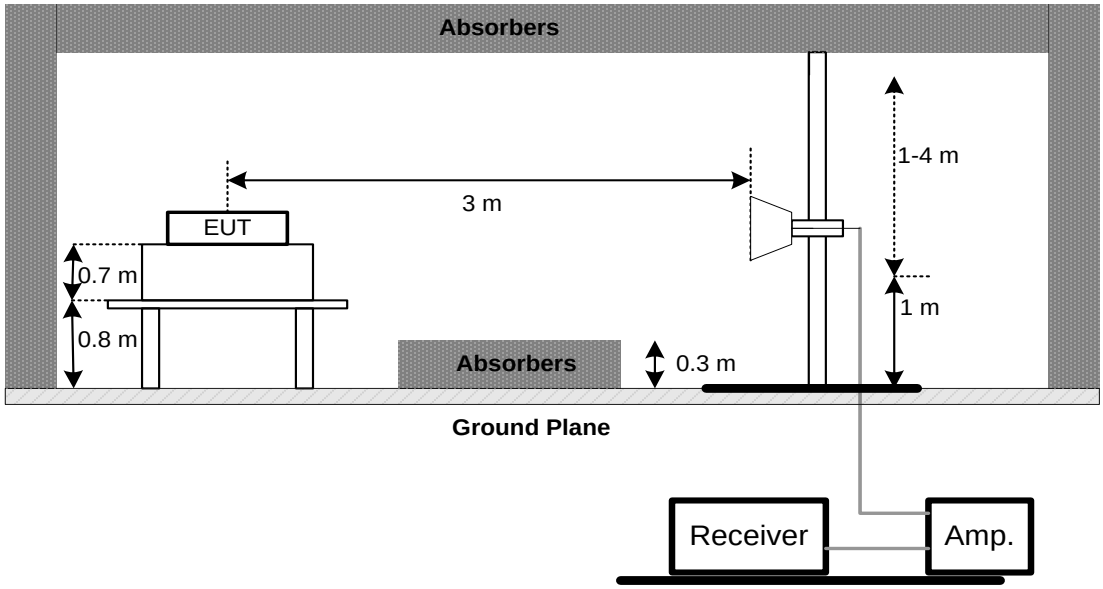
No deviation

4.2.4 TEST SETUP

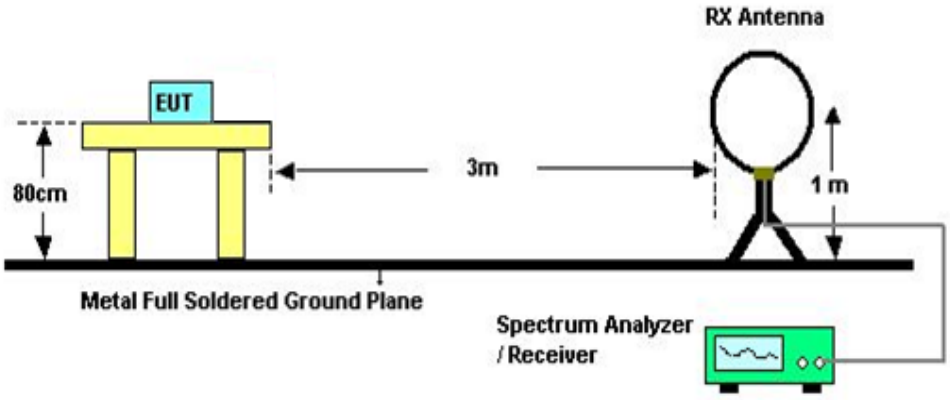
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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: 28°C Relative Humidity: 56% Test Voltage: DC 5V

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 (specific distance / 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

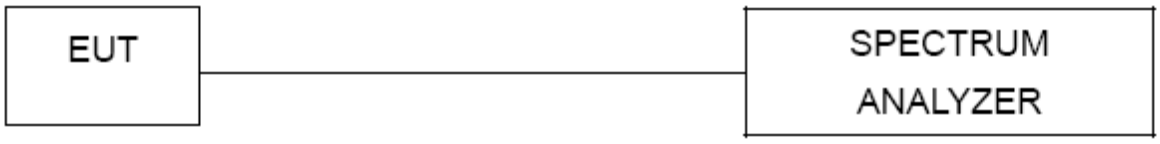
5.1.1 TEST PROCEDURE

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: 28°C Relative Humidity: 55% Test Voltage: DC 5V

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Maximum Output Power	1 Watt or 30dBm	2400-2483.5	PASS

6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r03.

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: 28°C Relative Humidity: 55% Test Voltage: DC 5V

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.

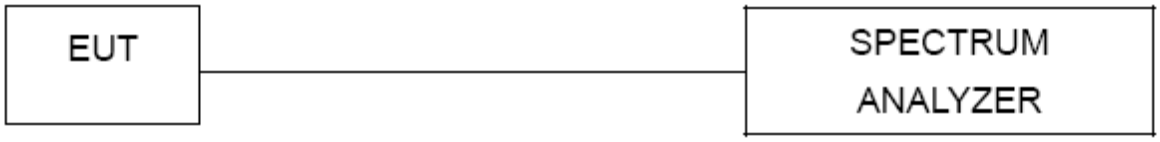
7.1.1 TEST PROCEDURE

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: 28°C Relative Humidity: 55% Test Voltage: DC 5V

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

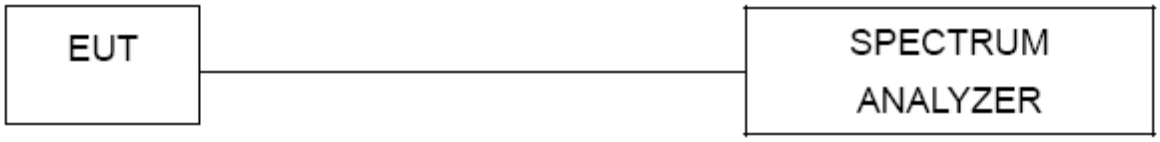
8.1.1 TEST PROCEDURE

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: 28°C Relative Humidity: 55% Test Voltage: DC 5V

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	699837	0052765	Mar. 28, 2016
2	LISN	R&S	ENV216	101447	Mar. 28, 2016
3	Test Cable	emci	RG223(9KHz -30MHz)	C_17	Mar. 13, 2016
4	EMI Test Receiver	R&S	ESCS30	826547/022	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122901	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	Schwarbeck	VULB9160	9160-3232	Mar. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Nov. 17, 2015
3	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 28, 2016
5	Controller	CT	SC100	N/A	N/A
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
7	Antenna	ETS	3115	00075789	Mar. 28, 2016
8	Amplifier	Agilent	8449B	3008A02274	Nov. 02, 2015
9	Test Cable	emci	EMC104-SM-SM-10000(1GHz－26.5GHz)	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

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

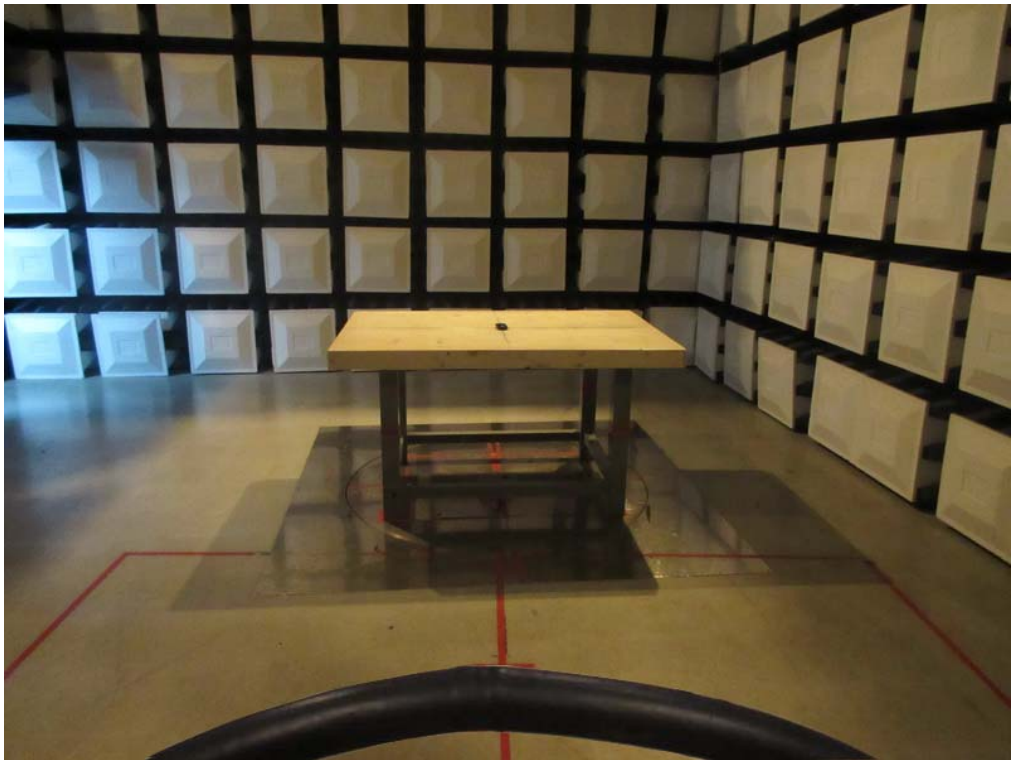
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

10. EUT TEST PHOTO

Conducted Measurement Photos

Radiated Measurement Photos

9KHz to 30MHz



Radiated Measurement Photos

30MHz to 1000MHz

Radiated Measurement Photos

Above 1000MHz

ATTACHMENT A - CONDUCTED EMISSION

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

Test Mode:	TX B MODE CHANNEL 01

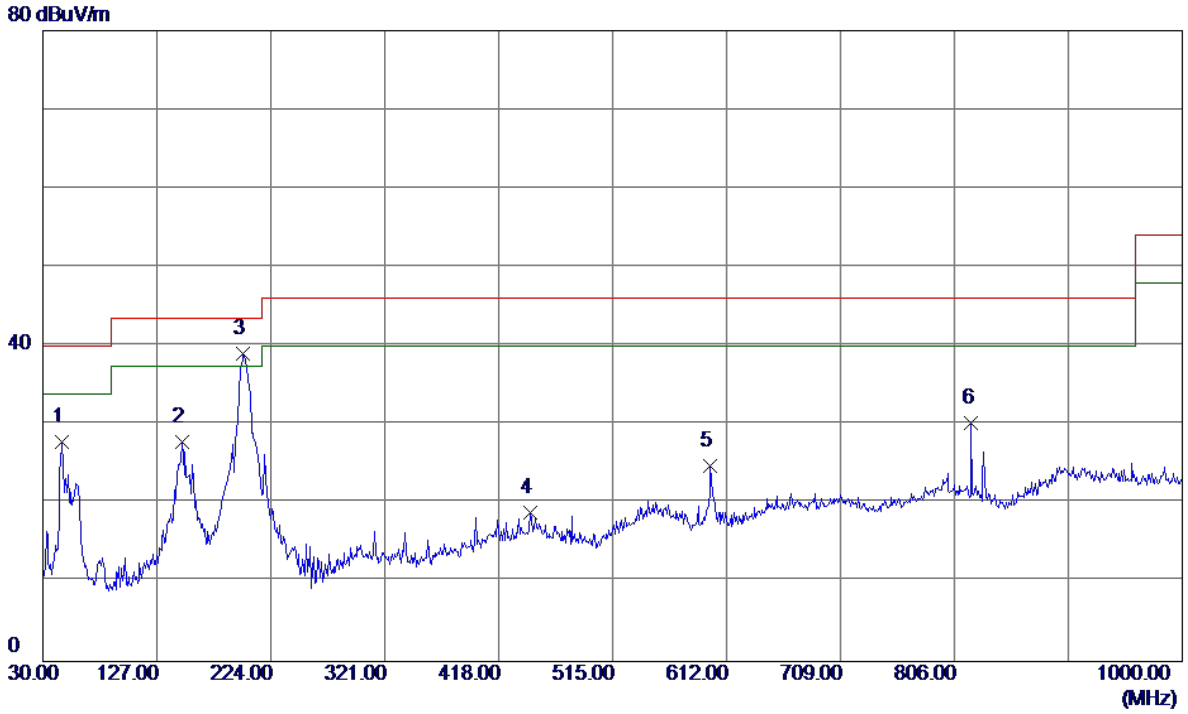
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0125	0°	12.81	24.7750	37.5850	125.6660	-88.0810	AVG
0.0125	0°	14.08	24.7750	38.8550	145.6660	-106.8110	PEAK
0.0266	0°	6.67	23.8820	30.5520	119.1066	-88.5546	AVG
0.0266	0°	7.52	23.8820	31.4020	139.1066	-107.7046	PEAK
0.0384	0°	3.24	23.1347	26.3747	115.9176	-89.5429	AVG
0.0384	0°	5.88	23.1347	29.0147	135.9176	-106.9029	PEAK
0.0617	0°	1.35	22.1660	23.5160	111.7985	-88.2825	AVG
0.0617	0°	2.61	22.1660	24.7760	131.7985	-107.0225	PEAK
0.611	0°	18.93	20.1552	39.0852	71.8834	-32.7982	QP
1.8472	0°	22.51	19.5153	42.0253	69.5400	-27.5147	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0112	90°	13.52	24.3000	37.8200	126.6199	-88.7999	AVG
0.0112	90°	14.99	24.3000	39.2900	146.6199	-107.3299	PEAK
0.0257	90°	7.05	23.9390	30.9890	119.4056	-88.4166	AVG
0.0257	90°	8.87	23.9390	32.8090	139.4056	-106.5966	PEAK
0.0526	90°	6.13	22.3480	28.4780	113.1845	-84.7065	AVG
0.0526	90°	7.29	22.3480	29.6380	133.1845	-103.5465	PEAK
0.0715	90°	1.88	21.9700	23.8500	110.5181	-86.6681	AVG
0.0715	90°	2.96	21.9700	24.9300	130.5181	-105.5881	PEAK
0.7348	90°	22.37	20.5514	42.9214	70.2808	-27.3595	QP
2.1427	90°	24.8	19.4144	44.2144	69.5400	-25.3256	QP

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

Test Mode:	TX B MODE CHANNEL 01

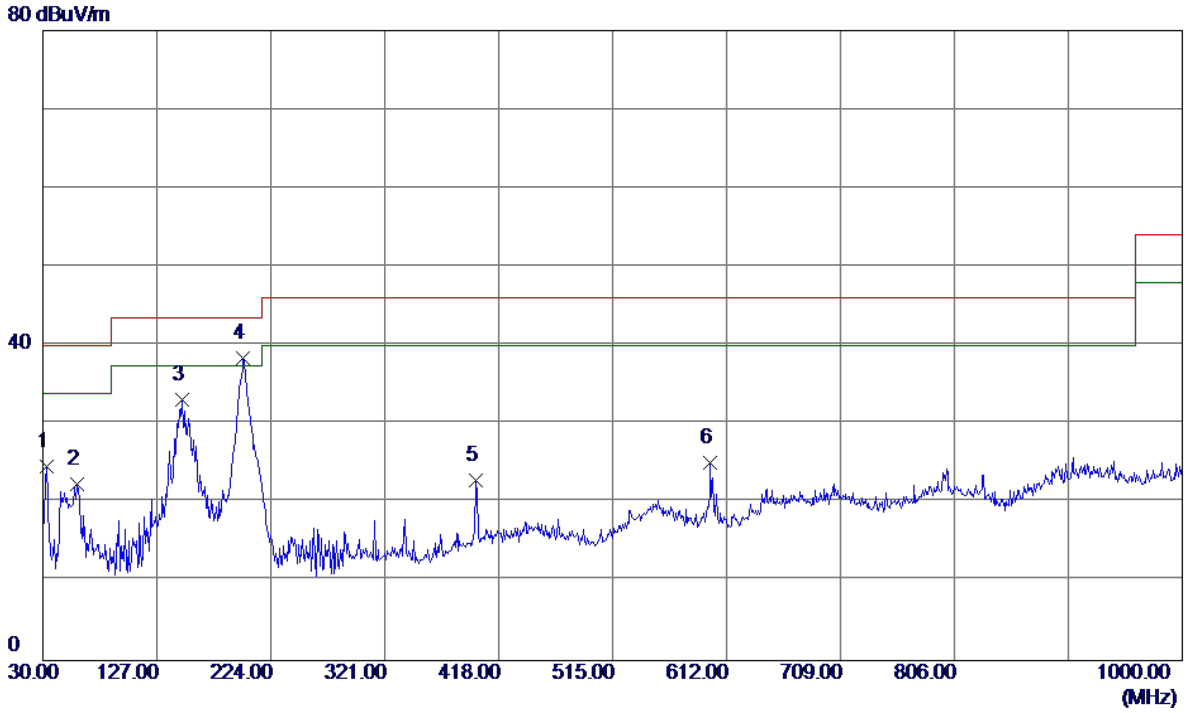
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	46.4900	42.03	-14.18	27.85	40.00	-12.15	Peak	
2	148.3400	42.26	-14.40	27.86	43.50	-15.64	Peak	
3	200.7200	55.59	-16.62	38.97	43.50	-4.53	Peak	
4	445.1600	29.17	-10.25	18.92	46.00	-27.08	Peak	
5	598.4200	35.16	-10.36	24.80	46.00	-21.20	Peak	
6	820.5500	36.00	-5.77	30.23	46.00	-15.77	Peak	

Test Mode:	TX B MODE CHANNEL 01

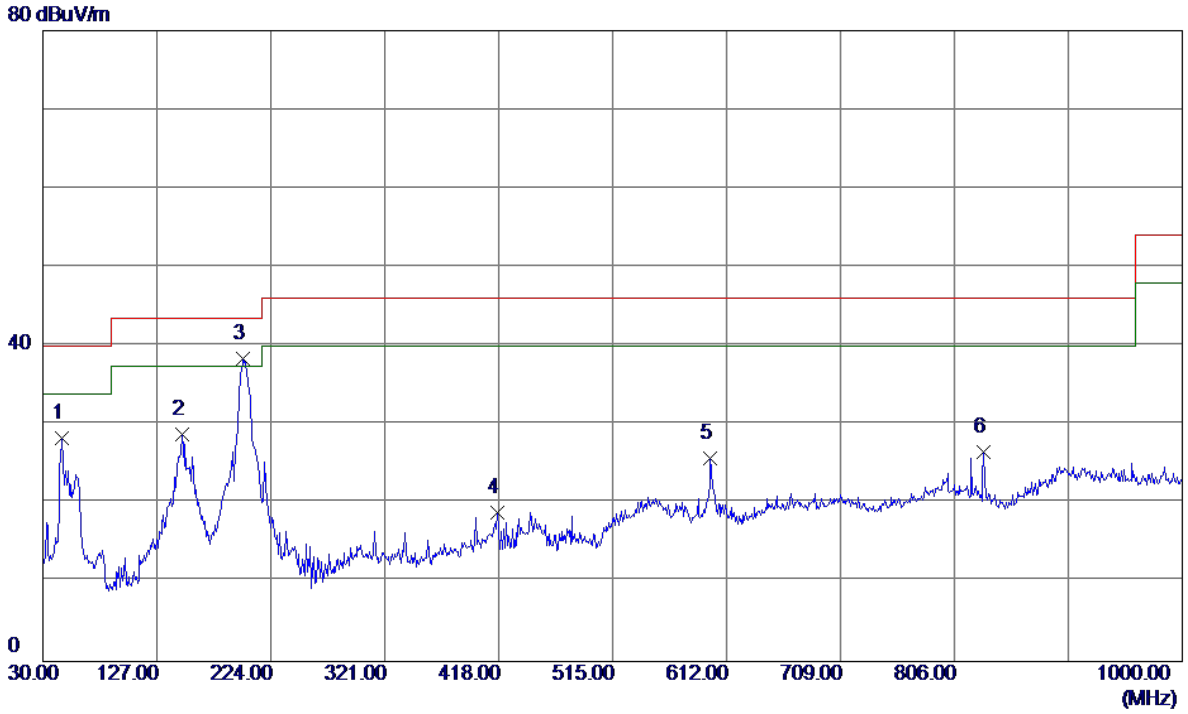
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	39.66	-15.06	24.60	40.00	-15.40	Peak	
2	59.1000	37.69	-15.30	22.39	40.00	-17.61	Peak	
3	148.3400	47.55	-14.40	33.15	43.50	-10.35	Peak	
4	200.7200	54.97	-16.62	38.35	43.50	-5.15	Peak	
5	398.6000	34.34	-11.44	22.90	46.00	-23.10	Peak	
6	598.4200	35.48	-10.36	25.12	46.00	-20.88	Peak	

Test Mode:	TX B MODE CHANNEL 06

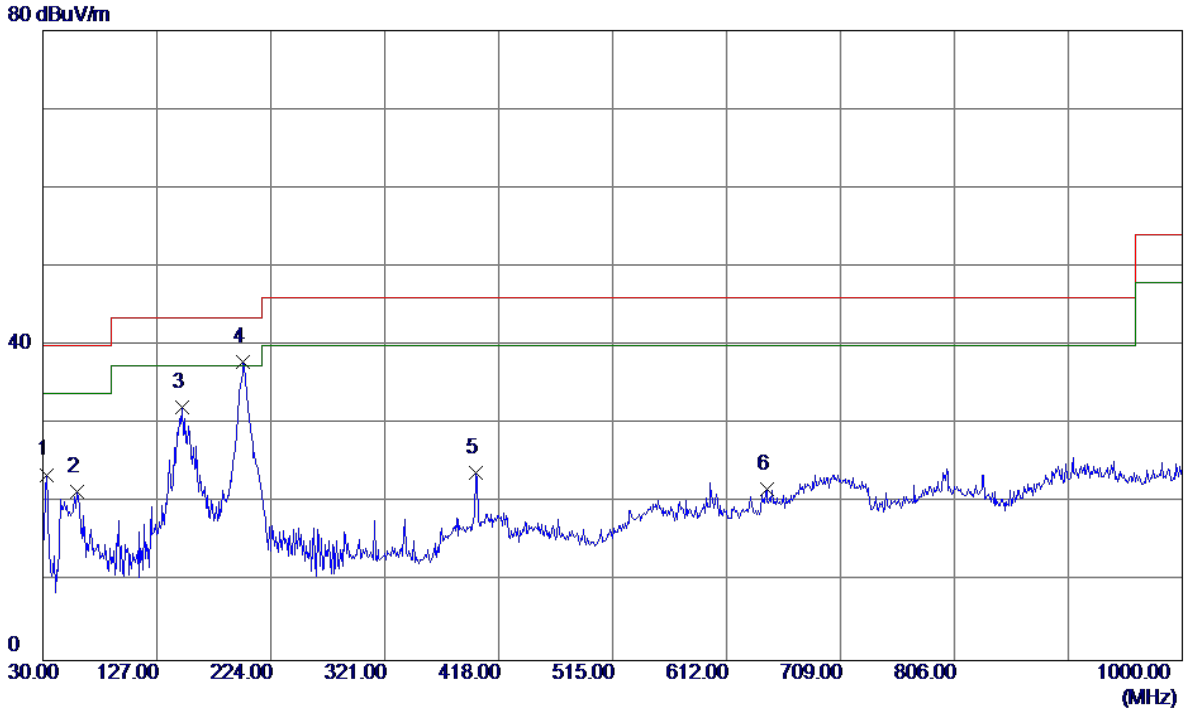
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	46.4900	42.53	-14.18	28.35	40.00	-11.65	Peak	
2	148.3400	43.26	-14.40	28.86	43.50	-14.64	Peak	
3	200.7200	55.09	-16.62	38.47	43.50	-5.03	Peak	
4	417.0300	29.81	-10.96	18.85	46.00	-27.15	Peak	
5	598.4200	36.16	-10.36	25.80	46.00	-20.20	Peak	
6	831.2199	32.79	-6.23	26.56	46.00	-19.44	Peak	

Test Mode:	TX B MODE CHANNEL 06

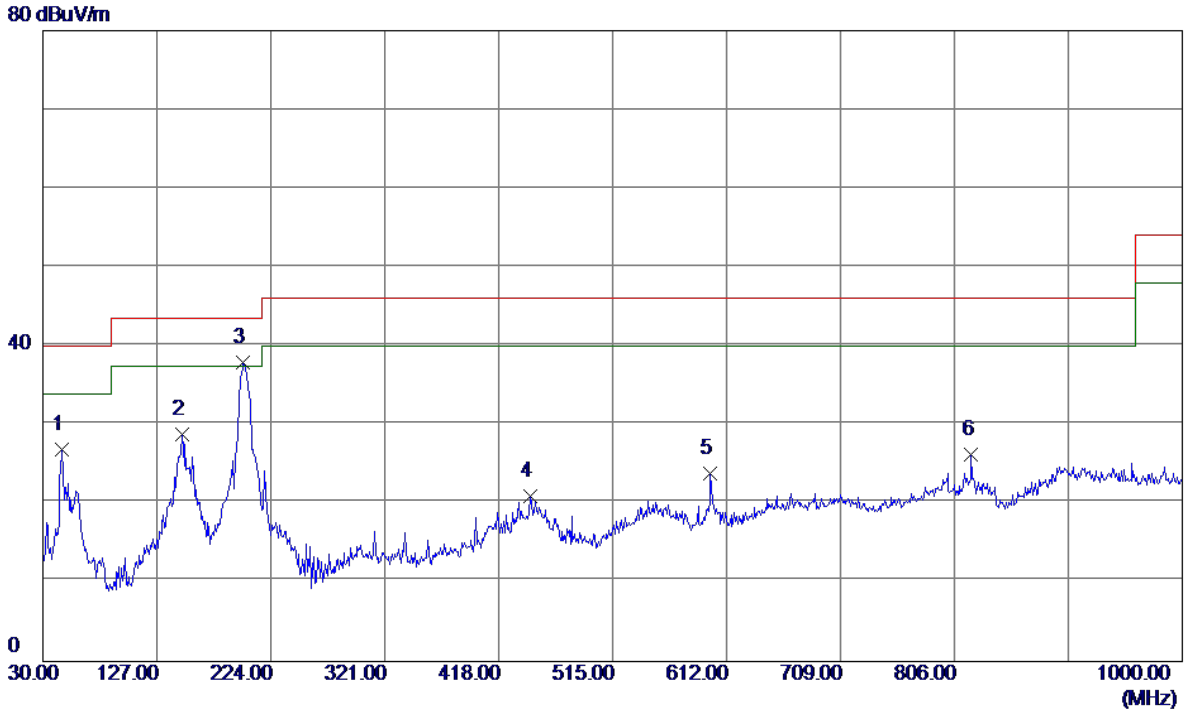
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	38.66	-15.06	23.60	40.00	-16.40	Peak	
2	59.1000	36.69	-15.30	21.39	40.00	-18.61	Peak	
3	148.3400	46.55	-14.40	32.15	43.50	-11.35	Peak	
4	200.7200	54.47	-16.62	37.85	43.50	-5.65	Peak	
5	398.6000	35.34	-11.44	23.90	46.00	-22.10	Peak	
6	645.9500	29.69	-7.88	21.81	46.00	-24.19	Peak	

Test Mode:	TX B MODE CHANNEL 11

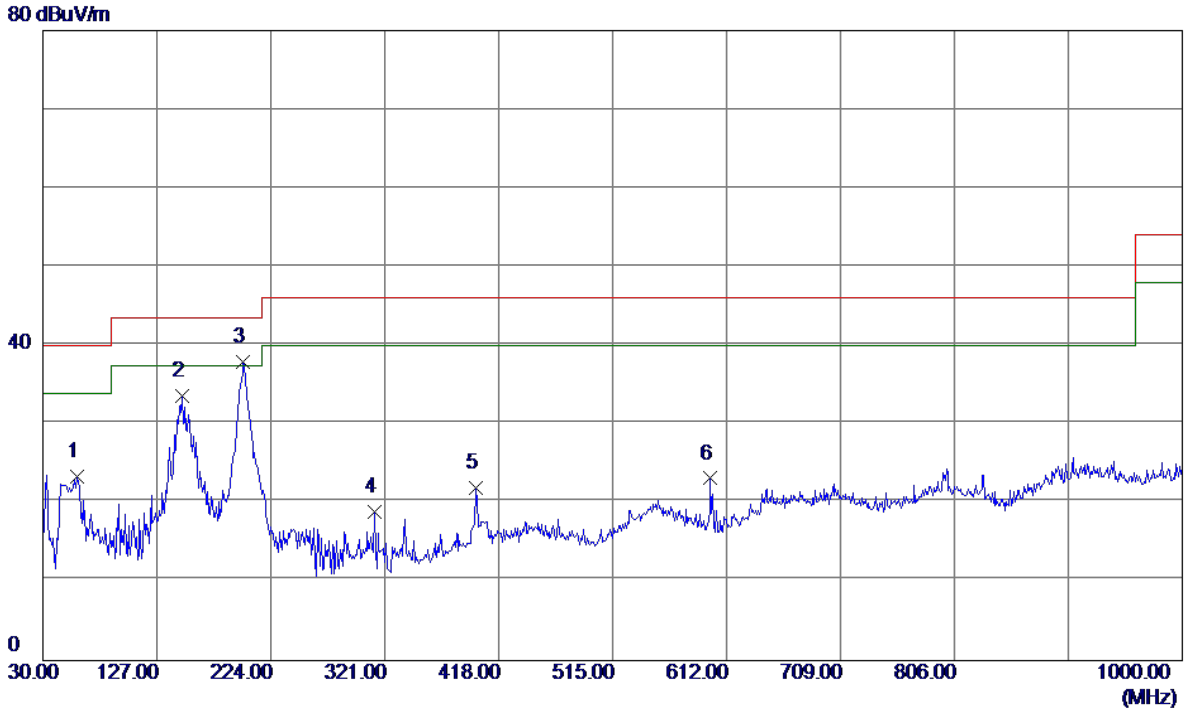
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	46.4900	41.03	-14.18	26.85	40.00	-13.15	Peak	
2	148.3400	43.26	-14.40	28.86	43.50	-14.64	Peak	
3	200.7200	54.59	-16.62	37.97	43.50	-5.53	Peak	
4	445.1600	31.17	-10.25	20.92	46.00	-25.08	Peak	
5	598.4200	34.16	-10.36	23.80	46.00	-22.20	Peak	
6	820.5500	32.00	-5.77	26.23	46.00	-19.77	Peak	

Test Mode:	TX B MODE CHANNEL 11

Horizontal

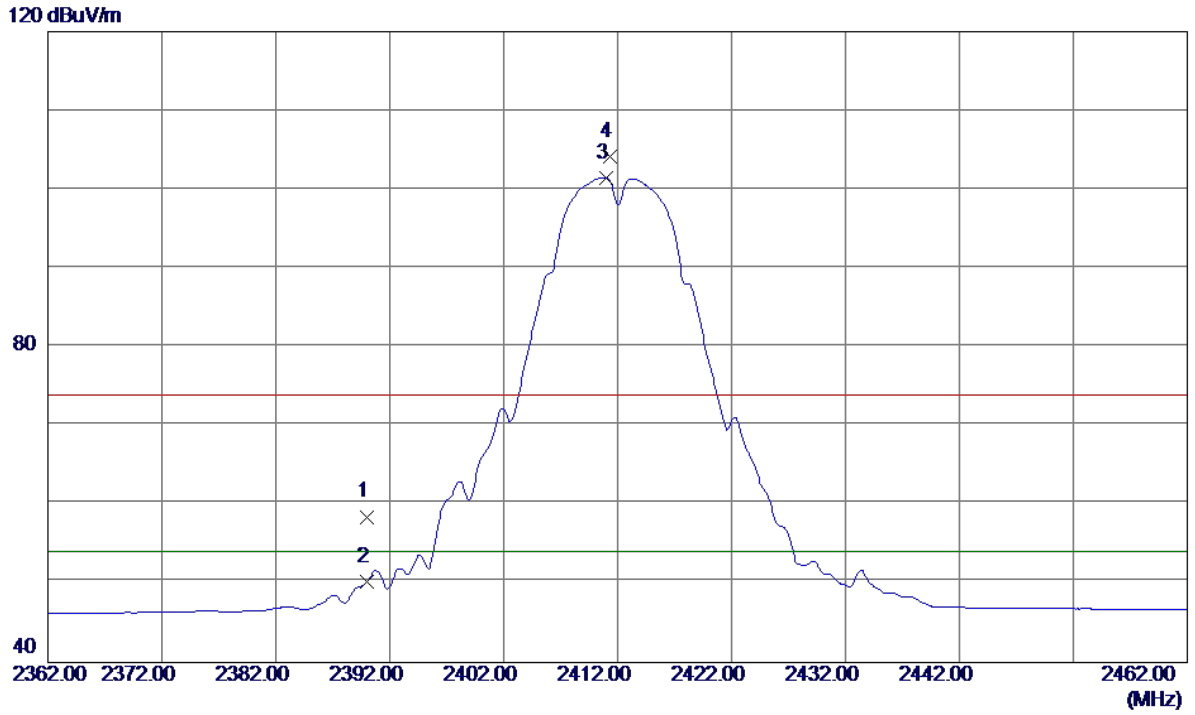


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	59.1000	38.69	-15.30	23.39	40.00	-16.61	Peak	
2	148.3400	48.05	-14.40	33.65	43.50	-9.85	Peak	
3	200.7200	54.47	-16.62	37.85	43.50	-5.65	Peak	
4	312.2700	31.28	-12.44	18.84	46.00	-27.16	Peak	
5	398.6000	33.34	-11.44	21.90	46.00	-24.10	Peak	
6	598.4200	33.48	-10.36	23.12	46.00	-22.88	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	25.80	32.68	58.48	74.00	-15.52	Peak	
2	2390.0000	17.50	32.68	50.18	54.00	-3.82	AVG	
3	2411.0000	68.76	32.71	101.47	54.00	47.47	AVG	No Limit
4	2411.3000	71.47	32.71	104.18	74.00	30.18	Peak	No Limit

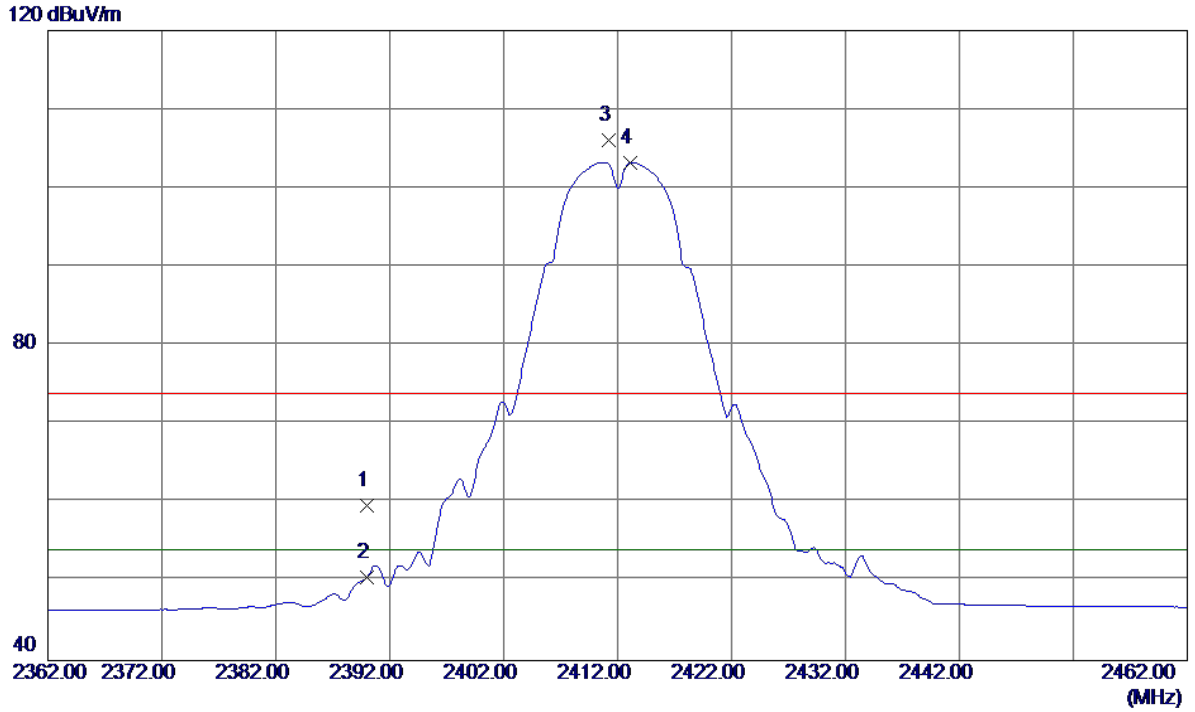
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9900	34.23	5.87	40.10	54.00	-13.90	AVG	
2	4823.9100	43.76	5.87	49.63	74.00	-24.37	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	26.94	32.68	59.62	74.00	-14.38	Peak	
2	2390.0000	17.93	32.68	50.61	54.00	-3.39	AVG	
3	2411.2000	73.39	32.71	106.10	74.00	32.10	Peak	No Limit
4	2413.1000	70.54	32.71	103.25	54.00	49.25	AVG	No Limit

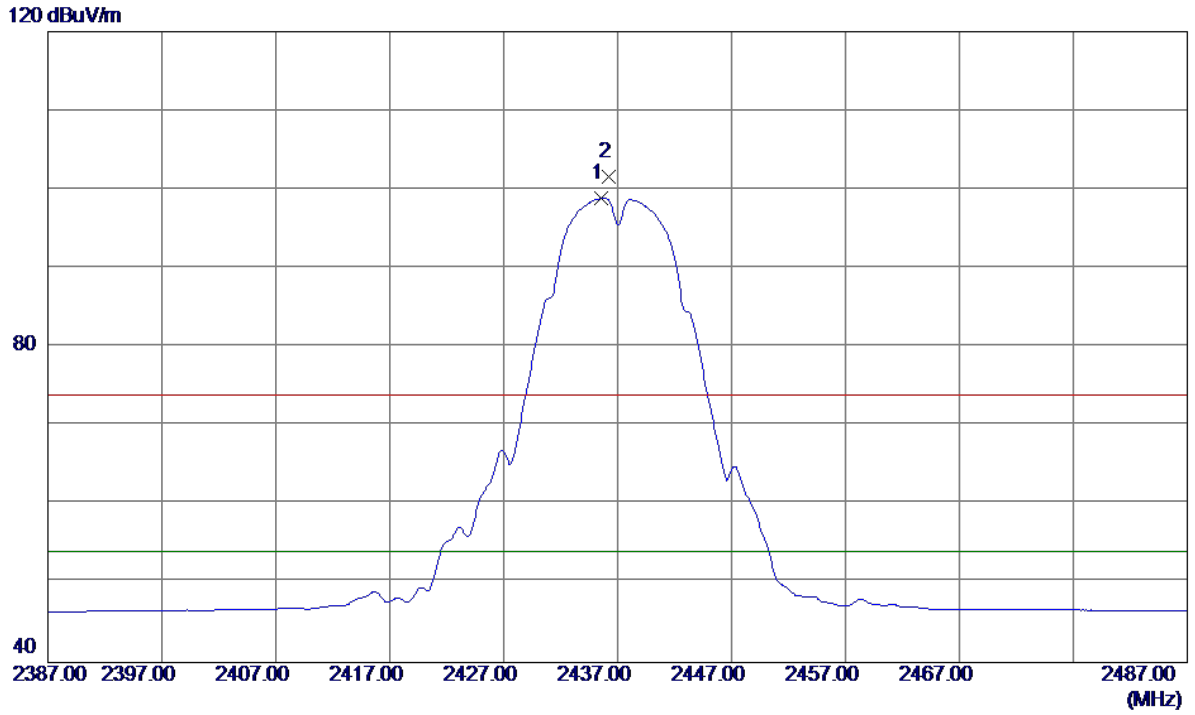
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9900	31.36	5.87	37.23	54.00	-16.77	AVG	
2	4824.2100	42.10	5.87	47.97	74.00	-26.03	Peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2435.6000	66.09	32.74	98.83	54.00	44.83	AVG	No Limit
2	2436.2000	68.85	32.74	101.59	74.00	27.59	Peak	No Limit

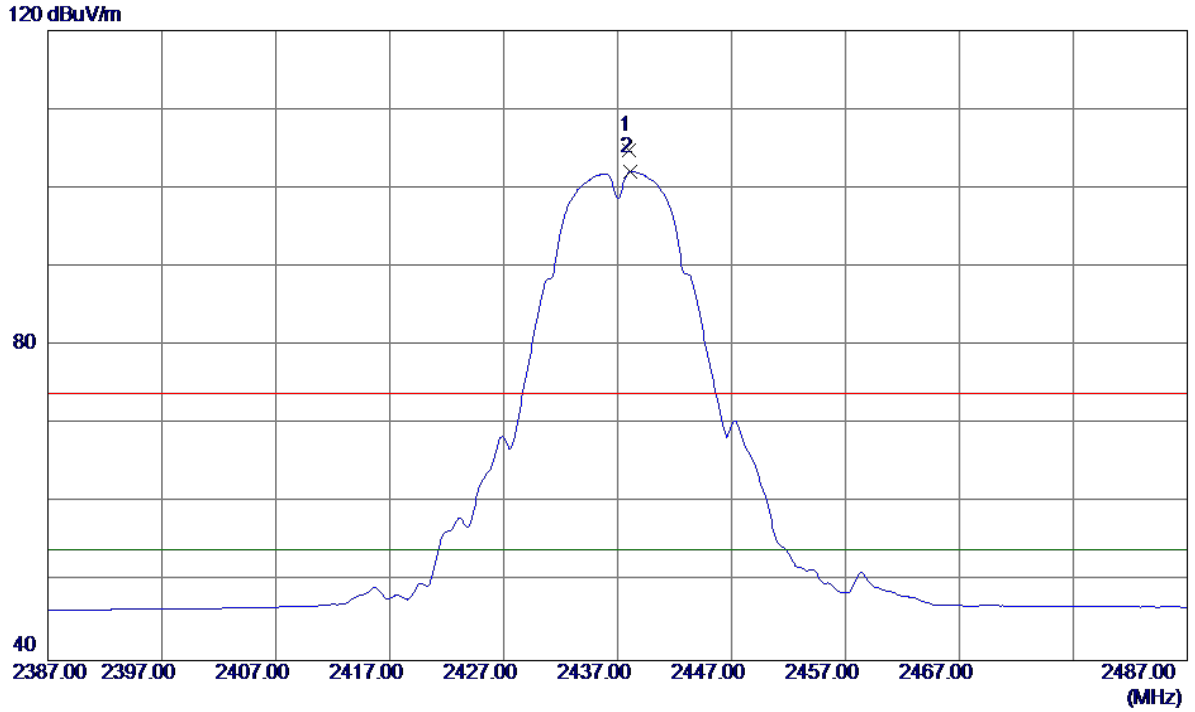
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.9900	33.07	6.00	39.07	54.00	-14.93	AVG	
2	4874.0099	42.78	6.00	48.78	74.00	-25.22	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.0000	72.01	32.74	104.75	74.00	30.75	Peak	No Limit
2	2438.1000	69.29	32.74	102.03	54.00	48.03	AVG	No Limit

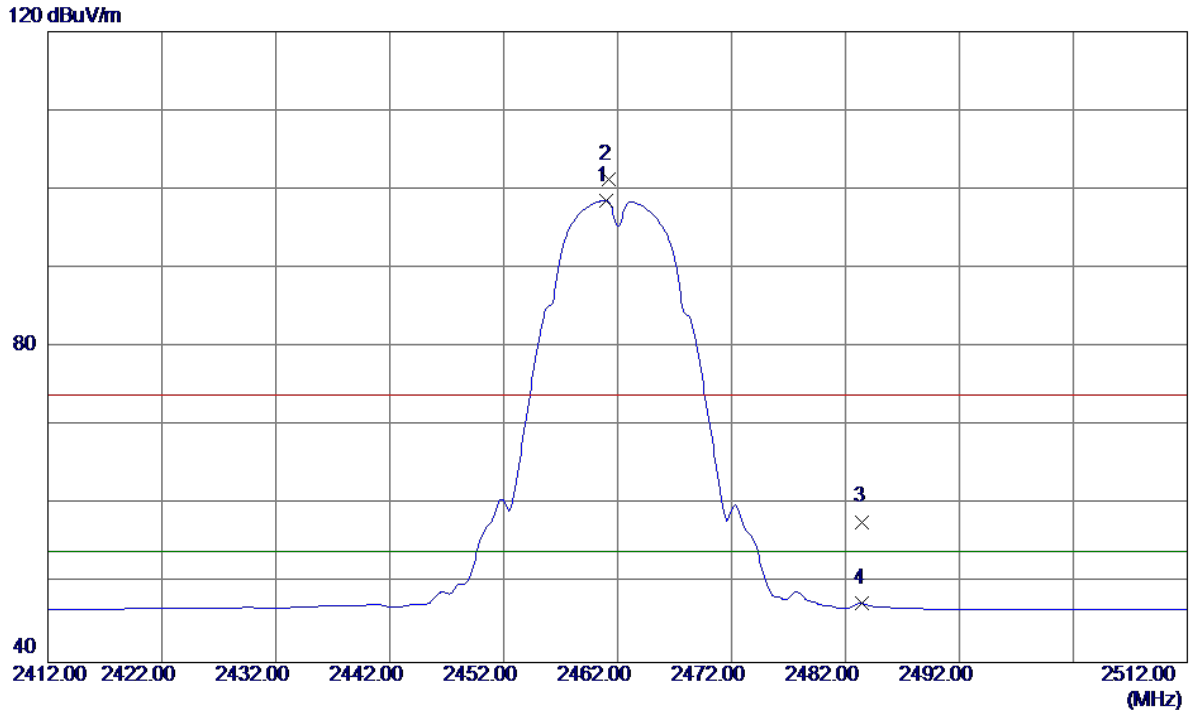
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.0099	30.09	6.00	36.09	54.00	-17.91	AVG	
2	4874.0299	40.26	6.00	46.26	74.00	-27.74	Peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.0000	65.75	32.78	98.53	54.00	44.53	AVG	No Limit
2	2461.2000	68.54	32.78	101.32	74.00	27.32	Peak	No Limit
3	2483.5000	25.03	32.81	57.84	74.00	-16.16	Peak	
4	2483.5000	14.68	32.81	47.49	54.00	-6.51	AVG	

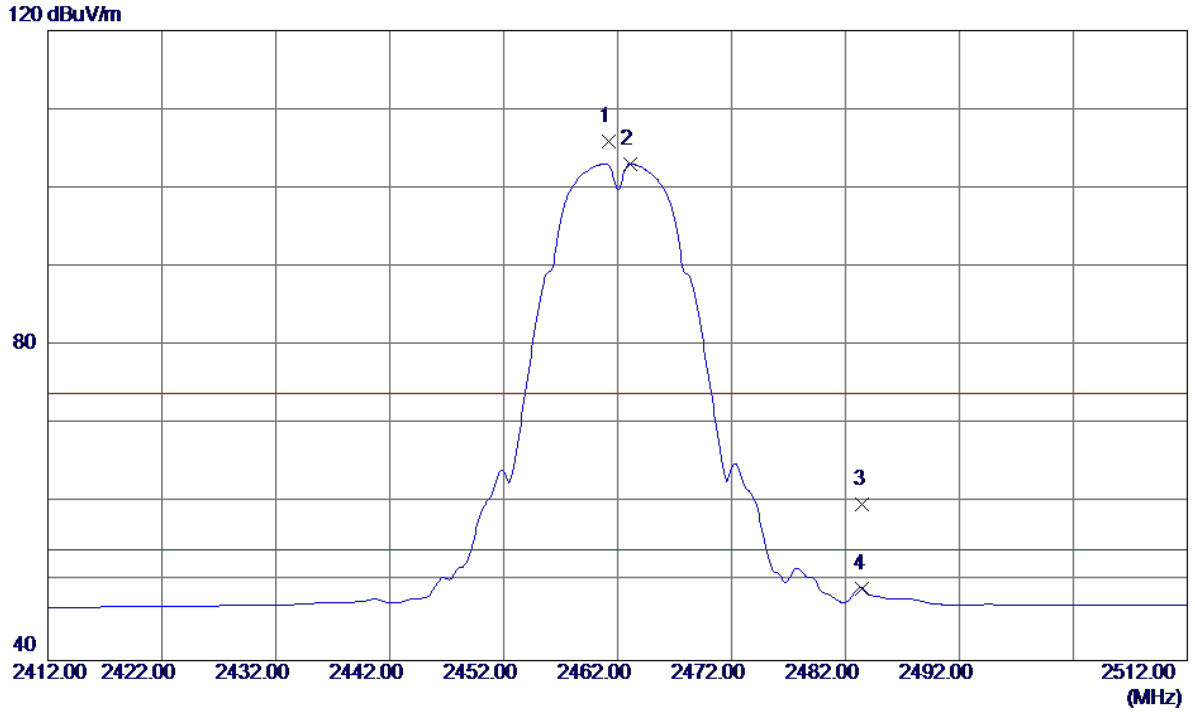
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.0000	32.94	6.14	39.08	54.00	-14.92	AVG	
2	4924.0500	41.91	6.14	48.05	74.00	-25.95	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.2000	73.09	32.78	105.87	74.00	31.87	Peak	No Limit
2	2463.1000	70.30	32.78	103.08	54.00	49.08	AVG	No Limit
3	2483.5000	27.07	32.81	59.88	74.00	-14.12	Peak	
4	2483.5000	16.38	32.81	49.19	54.00	-4.81	AVG	

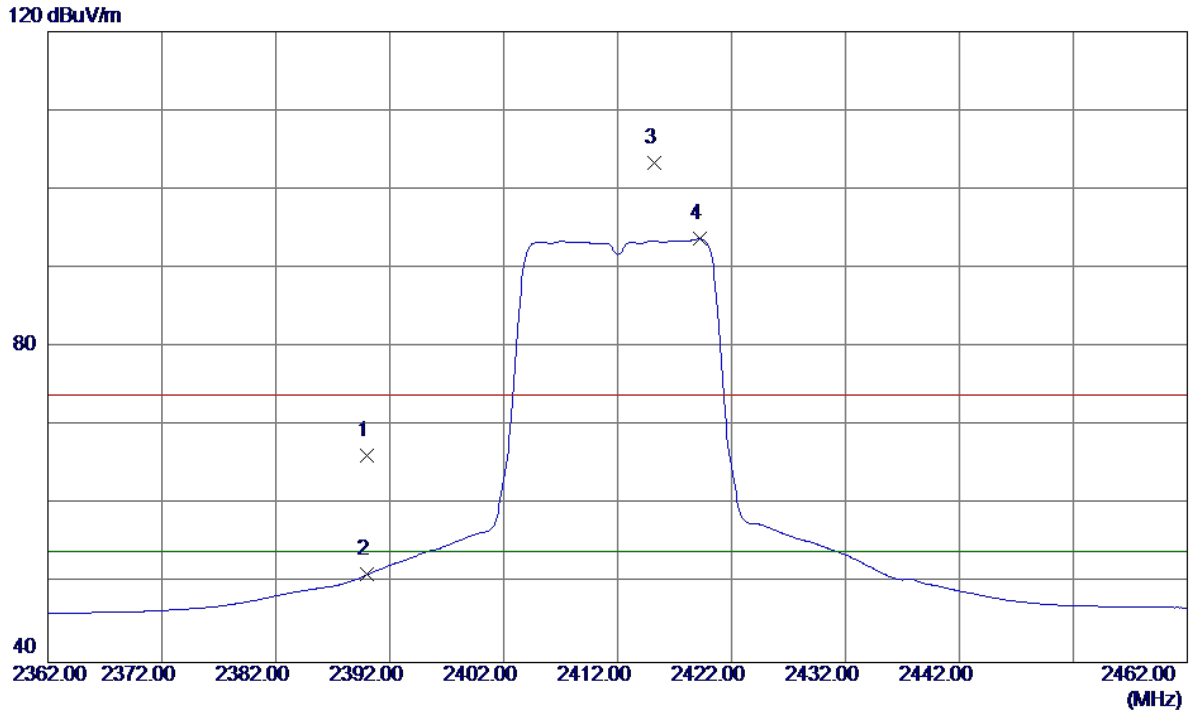
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.8600	41.02	6.14	47.16	74.00	-26.84	Peak	
2	4924.0500	30.84	6.14	36.98	54.00	-17.02	AVG	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	33.50	32.68	66.18	74.00	-7.82	Peak	
2	2390.0000	18.46	32.68	51.14	54.00	-2.86	AVG	
3	2415.2000	70.63	32.71	103.34	74.00	29.34	Peak	No Limit
4	2419.2000	60.97	32.72	93.69	54.00	39.69	AVG	No Limit

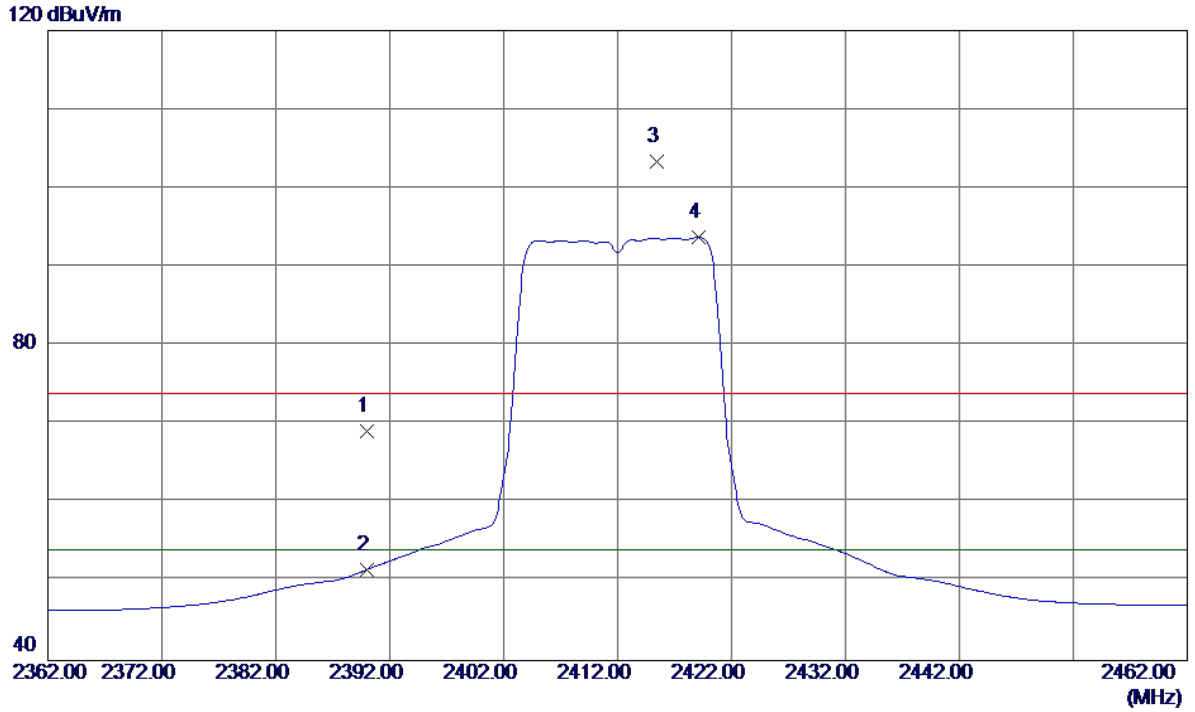
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.8500	39.81	5.87	45.68	74.00	-28.32	Peak	
2	4824.0500	29.14	5.87	35.01	54.00	-18.99	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	36.42	32.68	69.10	74.00	-4.90	Peak	
2	2390.0000	18.87	32.68	51.55	54.00	-2.45	AVG	
3	2415.4000	70.64	32.71	103.35	74.00	29.35	Peak	No Limit
4	2419.1000	61.00	32.72	93.72	54.00	39.72	AVG	No Limit

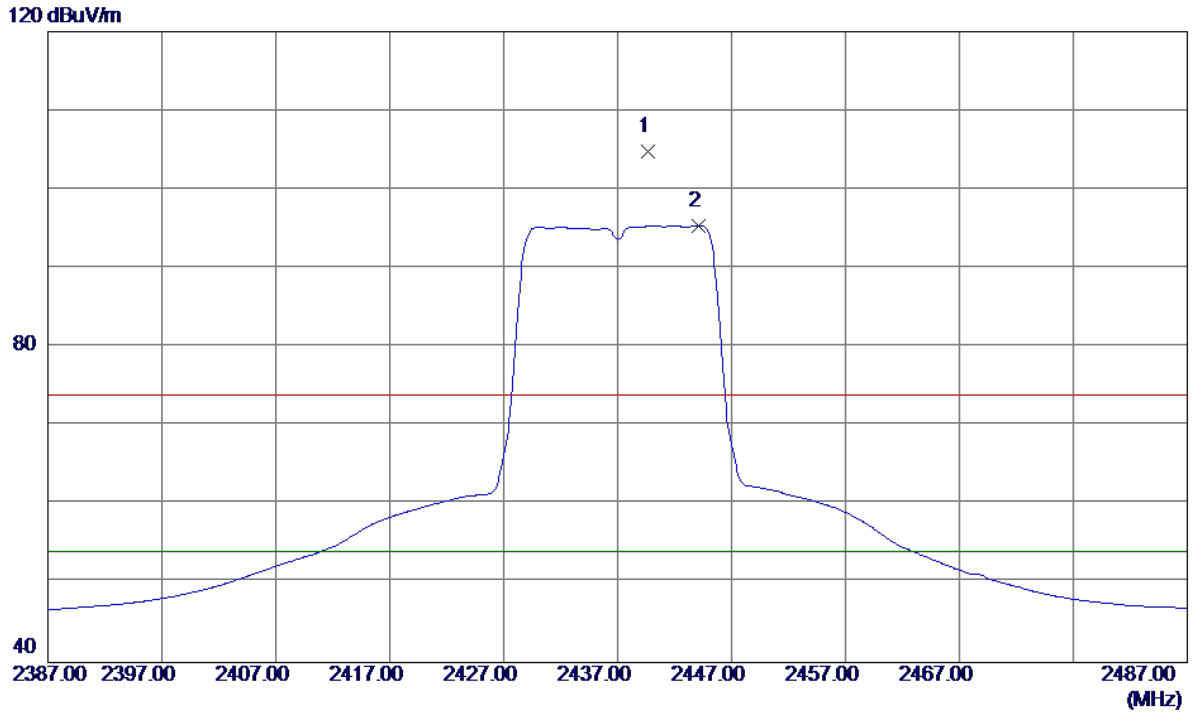
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9500	29.02	5.87	34.89	54.00	-19.11	AVG	
2	4824.0099	40.35	5.87	46.22	74.00	-27.78	Peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2439.7000	71.98	32.75	104.73	74.00	30.73	Peak	No Limit
2	2444.1000	62.68	32.75	95.43	54.00	41.43	AVG	No Limit

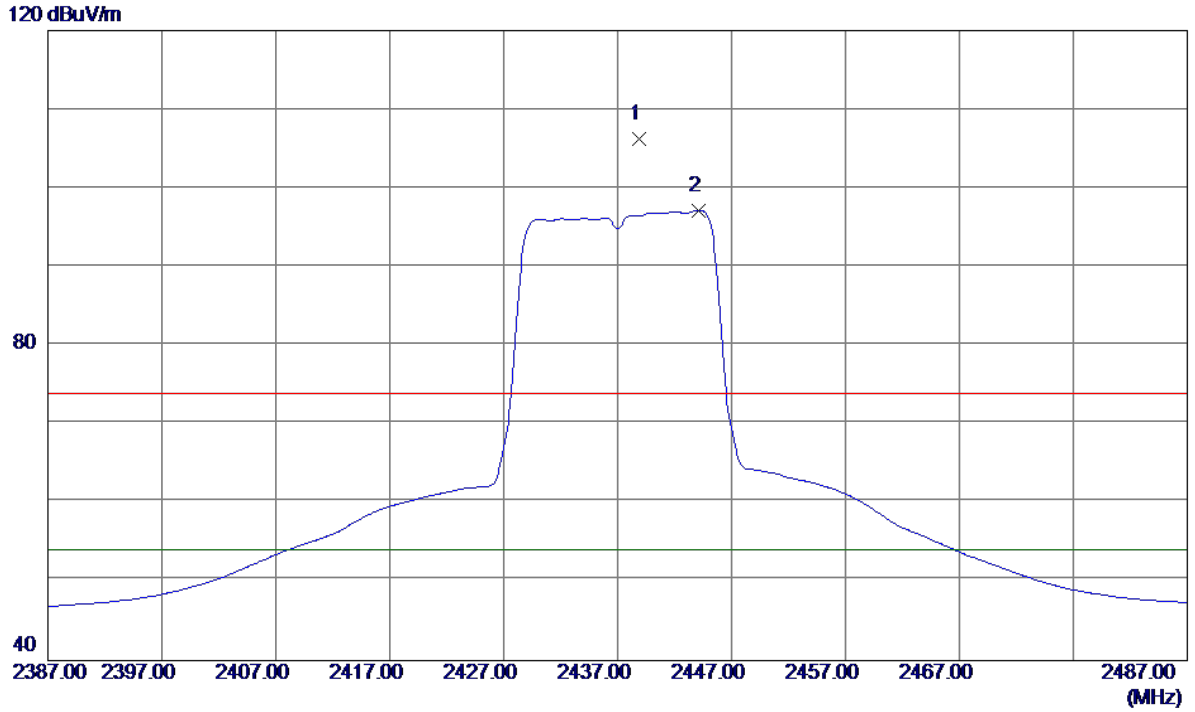
Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.9500	28.56	6.00	34.56	54.00	-19.44	AVG	
2	4874.0700	39.38	6.00	45.38	74.00	-28.62	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.9000	73.48	32.75	106.23	74.00	32.23	Peak	No Limit
2	2444.1000	64.37	32.75	97.12	54.00	43.12	AVG	No Limit

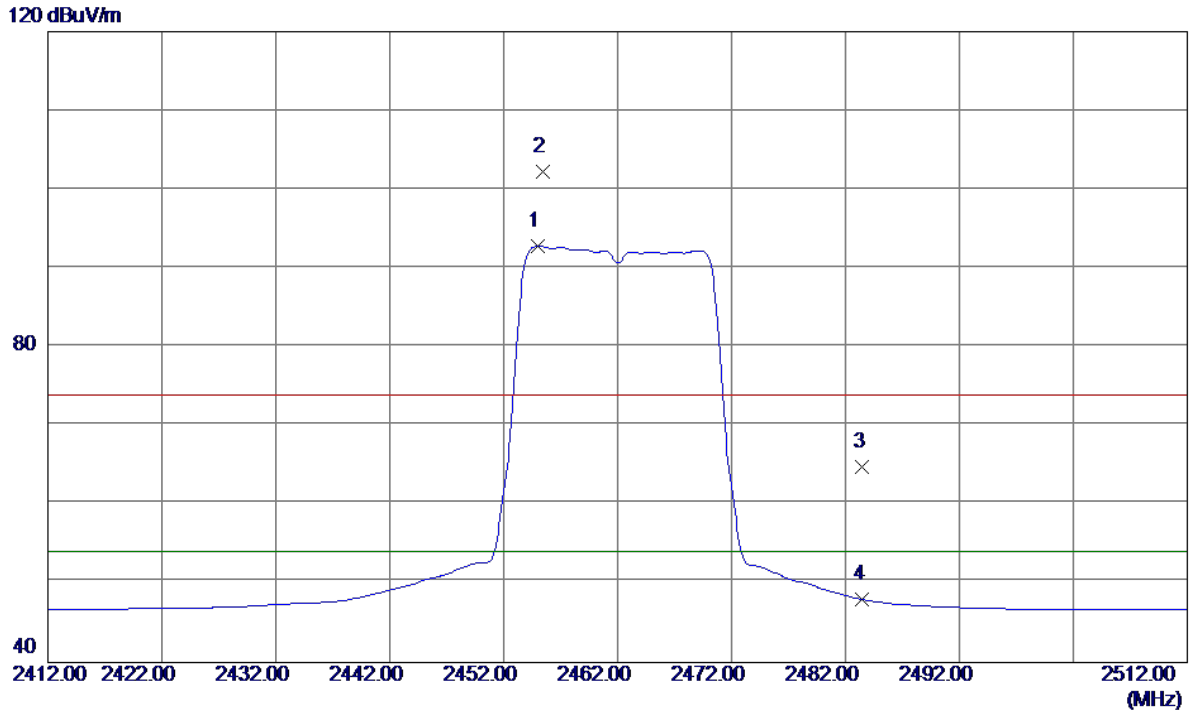
Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.0600	28.58	6.00	34.58	54.00	-19.42	AVG	
2	4874.2000	40.65	6.00	46.65	74.00	-27.35	Peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2455.0000	60.00	32.77	92.77	54.00	38.77	AVG	No Limit
2	2455.4000	69.50	32.77	102.27	74.00	28.27	Peak	No Limit
3	2483.5000	31.99	32.81	64.80	74.00	-9.20	Peak	
4	2483.5000	15.19	32.81	48.00	54.00	-6.00	AVG	

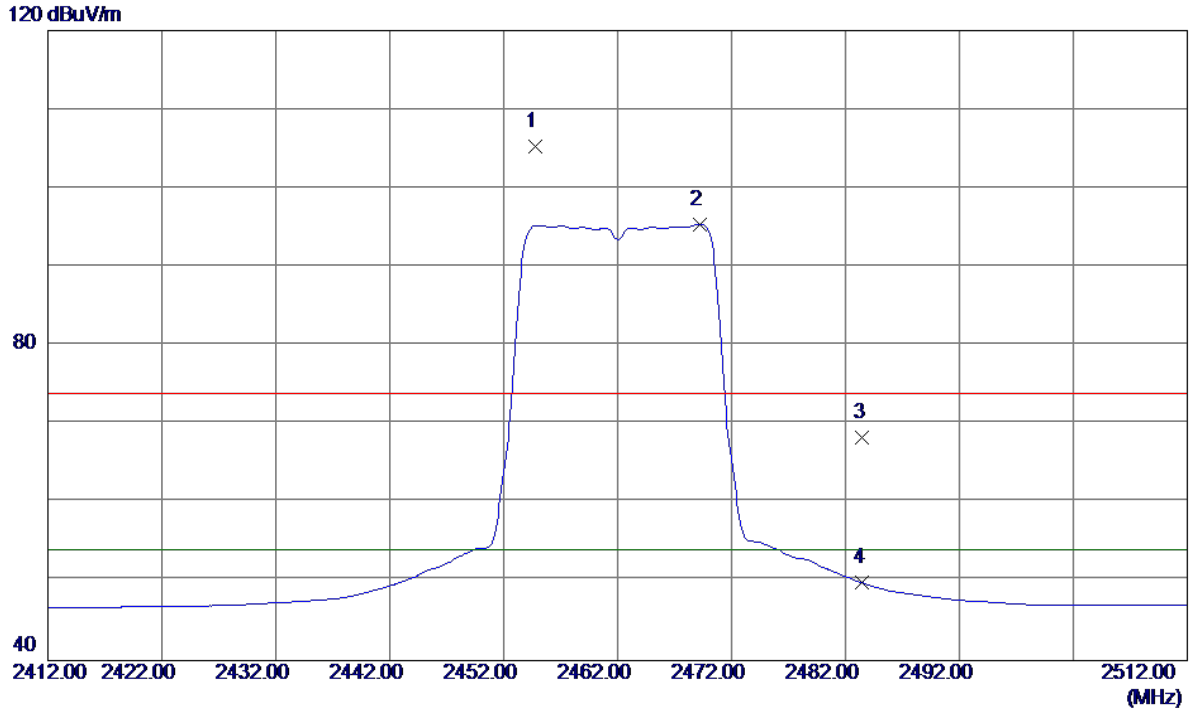
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.0200	28.43	6.14	34.57	54.00	-19.43	AVG	
2	4924.0900	41.61	6.14	47.75	74.00	-26.25	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2454.8000	72.48	32.77	105.25	74.00	31.25	Peak	No Limit
2	2469.2000	62.59	32.79	95.38	54.00	41.38	AVG	No Limit
3	2483.5000	35.50	32.81	68.31	74.00	-5.69	Peak	
4	2483.5000	17.04	32.81	49.85	54.00	-4.15	AVG	

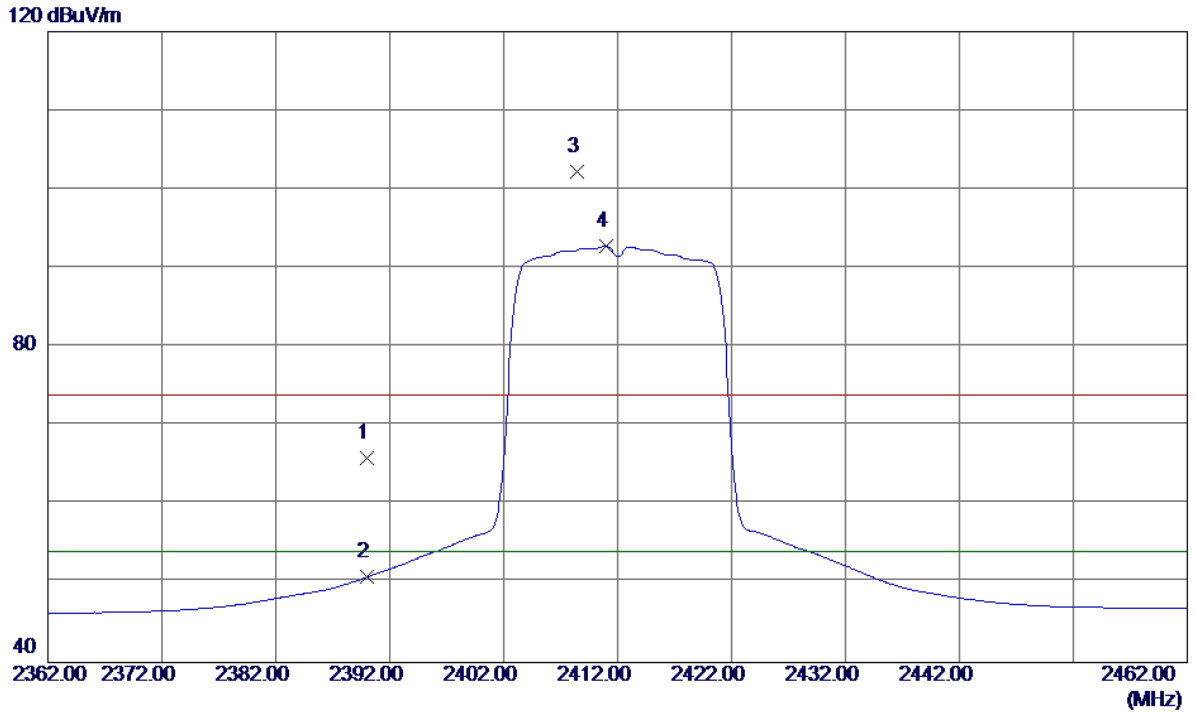
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.9900	28.21	6.14	34.35	54.00	-19.65	AVG	
2	4924.0299	39.41	6.14	45.55	74.00	-28.45	Peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	33.26	32.68	65.94	74.00	-8.06	Peak	
2	2390.0000	18.14	32.68	50.82	54.00	-3.18	AVG	
3	2408.4000	69.54	32.70	102.24	74.00	28.24	Peak	No Limit
4	2411.0000	60.06	32.71	92.77	54.00	38.77	AVG	No Limit

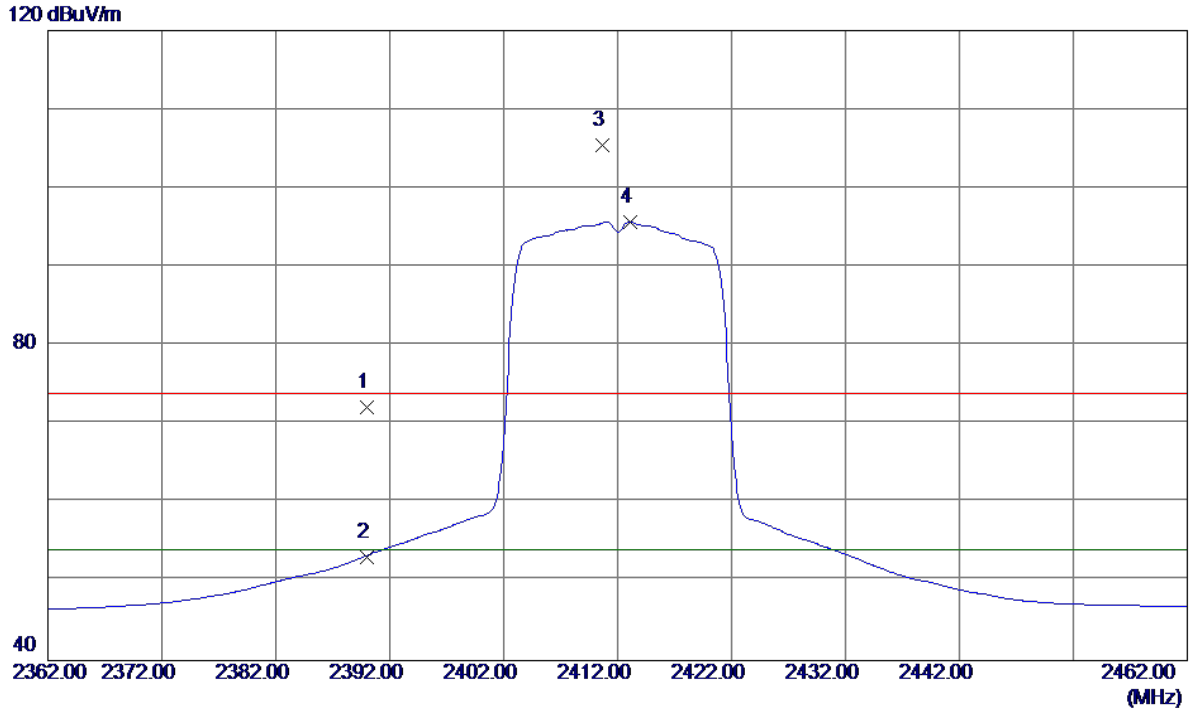
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824.0099	41.42	5.87	47.29	74.00	-26.71	Peak	
2	4824.0700	29.06	5.87	34.93	54.00	-19.07	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	39.45	32.68	72.13	74.00	-1.87	Peak	
2	2390.0000	20.37	32.68	53.05	54.00	-0.95	AVG	
3	2410.7000	72.70	32.71	105.41	74.00	31.41	Peak	No Limit
4	2413.1000	62.95	32.71	95.66	54.00	41.66	AVG	No Limit

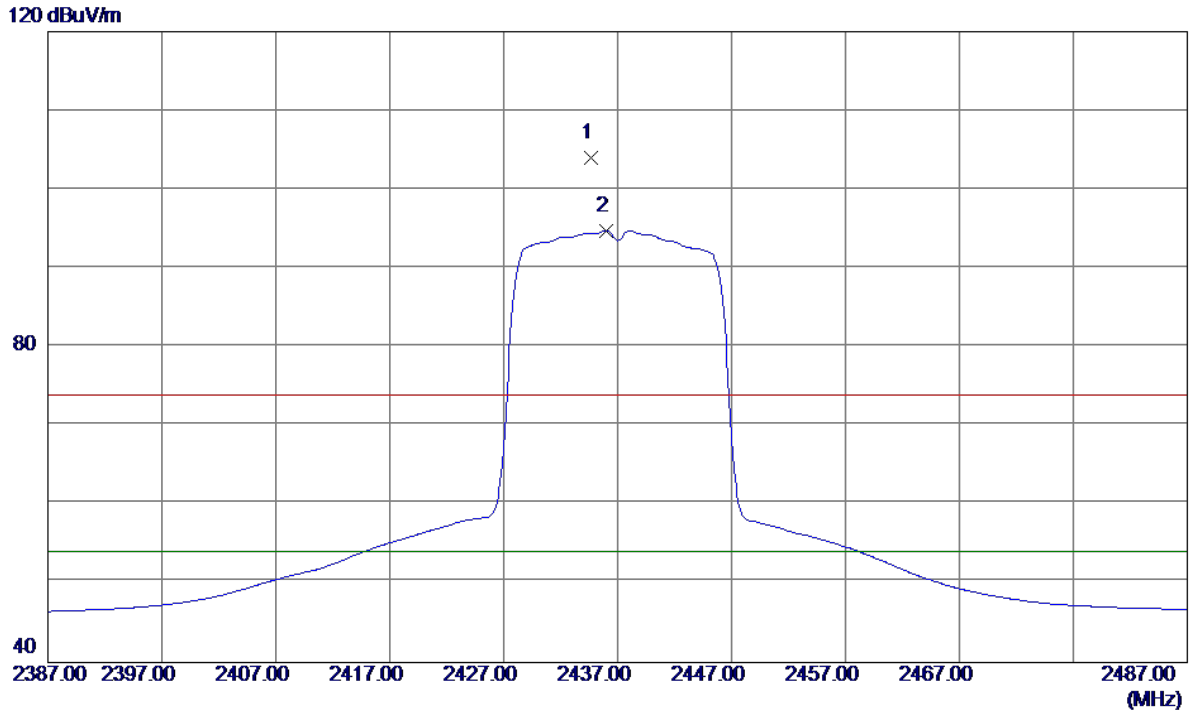
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9800	28.97	5.87	34.84	54.00	-19.16	AVG	
2	4824.3300	41.01	5.87	46.88	74.00	-27.12	Peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2434.7000	71.31	32.74	104.05	74.00	30.05	Peak	No Limit
2	2436.0000	61.96	32.74	94.70	54.00	40.70	AVG	No Limit

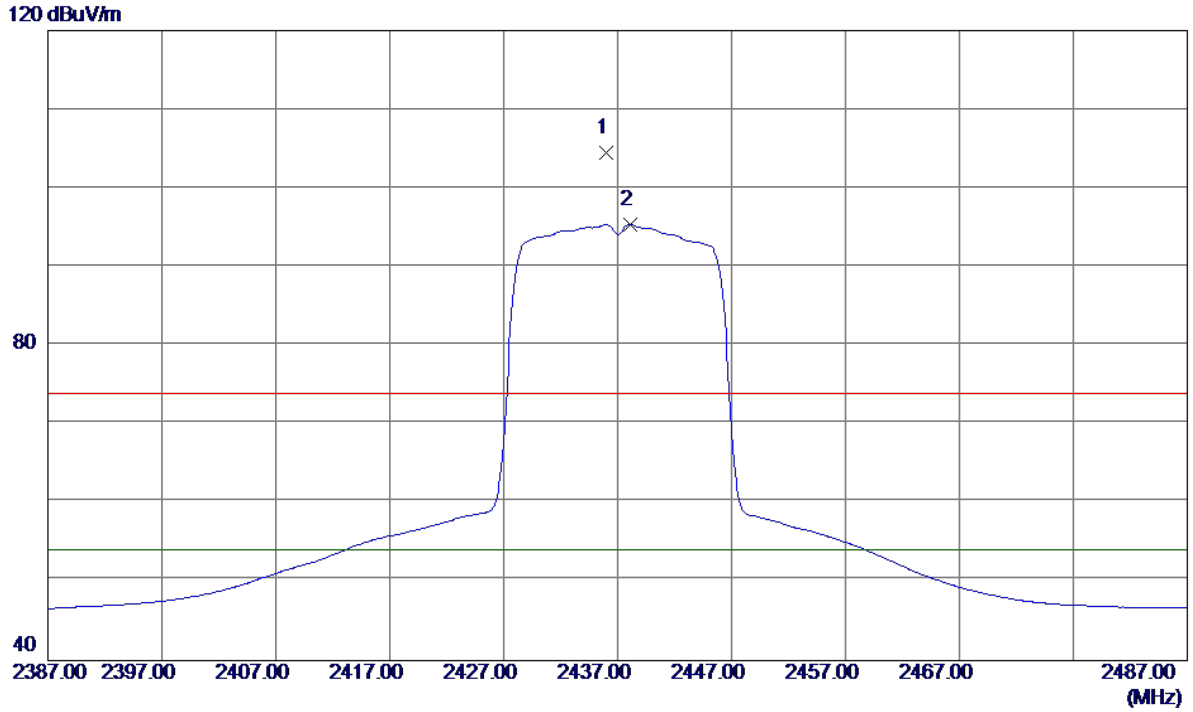
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.8300	40.60	6.00	46.60	74.00	-27.40	Peak	
2	4874.1000	28.50	6.00	34.50	54.00	-19.50	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2436.0000	71.74	32.74	104.48	74.00	30.48	Peak	No Limit
2	2438.1000	62.59	32.74	95.33	54.00	41.33	AVG	No Limit

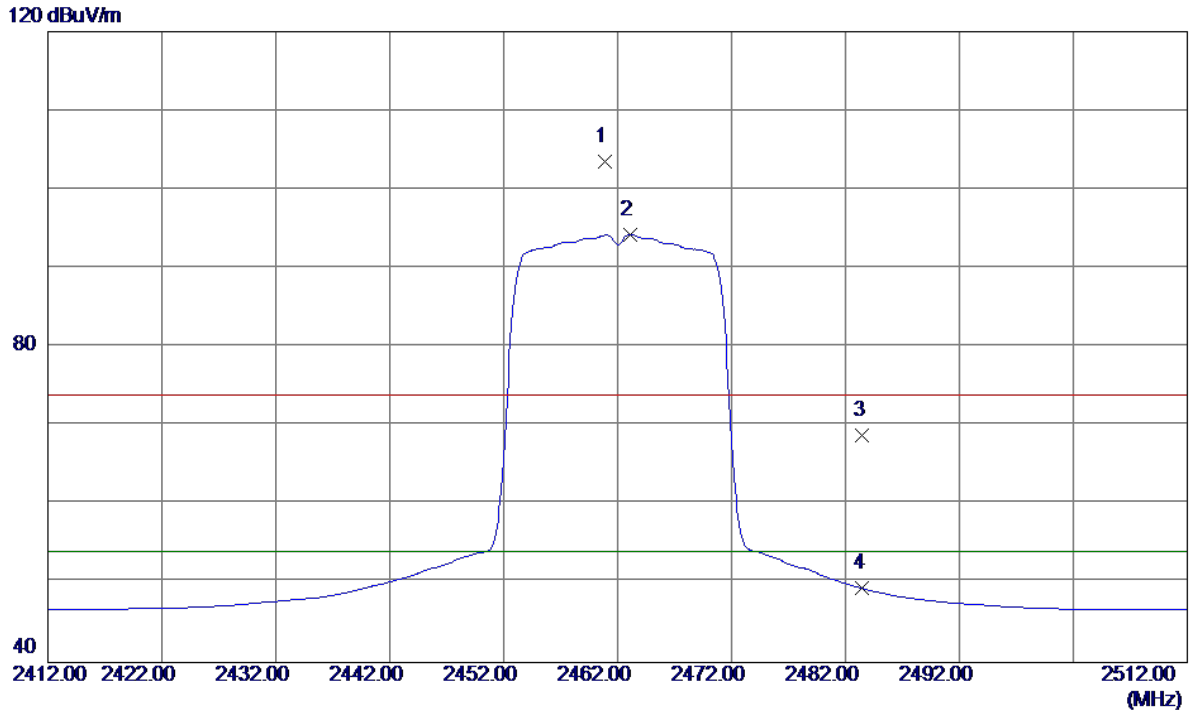
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.0600	39.49	6.00	45.49	74.00	-28.51	Peak	
2	4874.0600	28.51	6.00	34.51	54.00	-19.49	AVG	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2460.9000	70.78	32.78	103.56	74.00	29.56	Peak	No Limit
2	2463.1000	61.46	32.78	94.24	54.00	40.24	AVG	No Limit
3	2483.5000	35.94	32.81	68.75	74.00	-5.25	Peak	
4	2483.5000	16.57	32.81	49.38	54.00	-4.62	AVG	

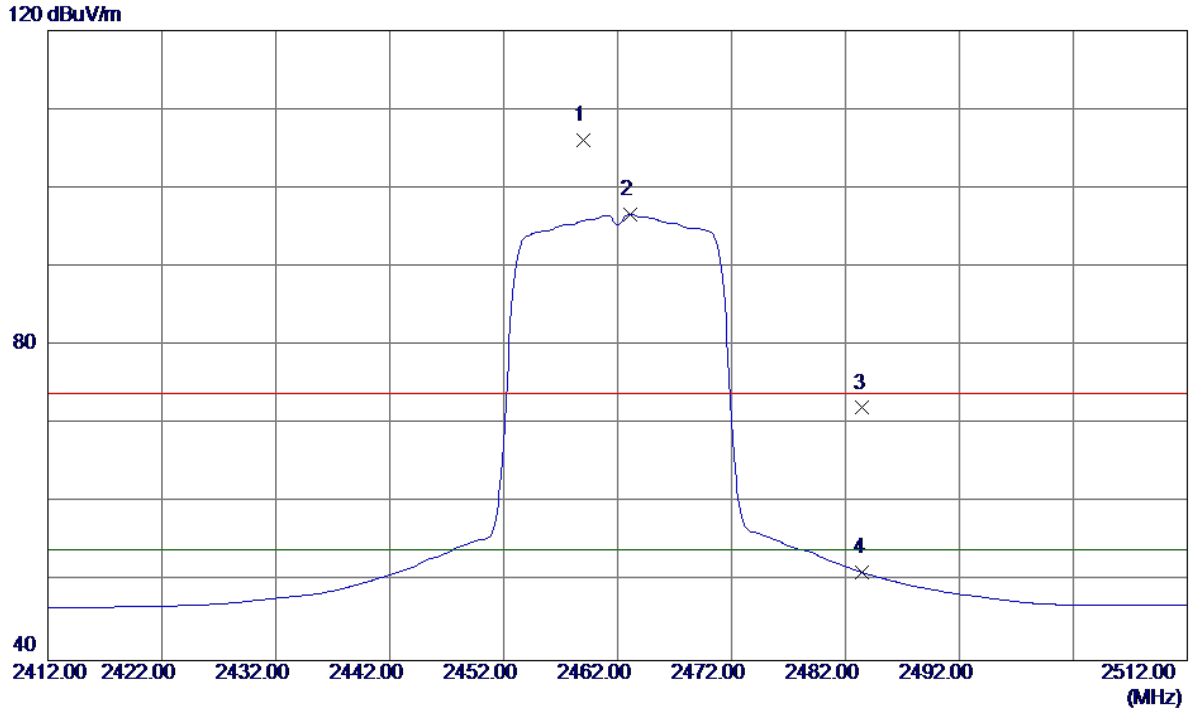
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.9600	28.16	6.14	34.30	54.00	-19.70	AVG	
2	4924.0299	39.56	6.14	45.70	74.00	-28.30	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459.0000	73.32	32.77	106.09	74.00	32.09	Peak	No Limit
2	2463.1000	63.87	32.78	96.65	54.00	42.65	AVG	No Limit
3	2483.5000	39.27	32.81	72.08	74.00	-1.92	Peak	
4	2483.5000	18.37	32.81	51.18	54.00	-2.82	AVG	

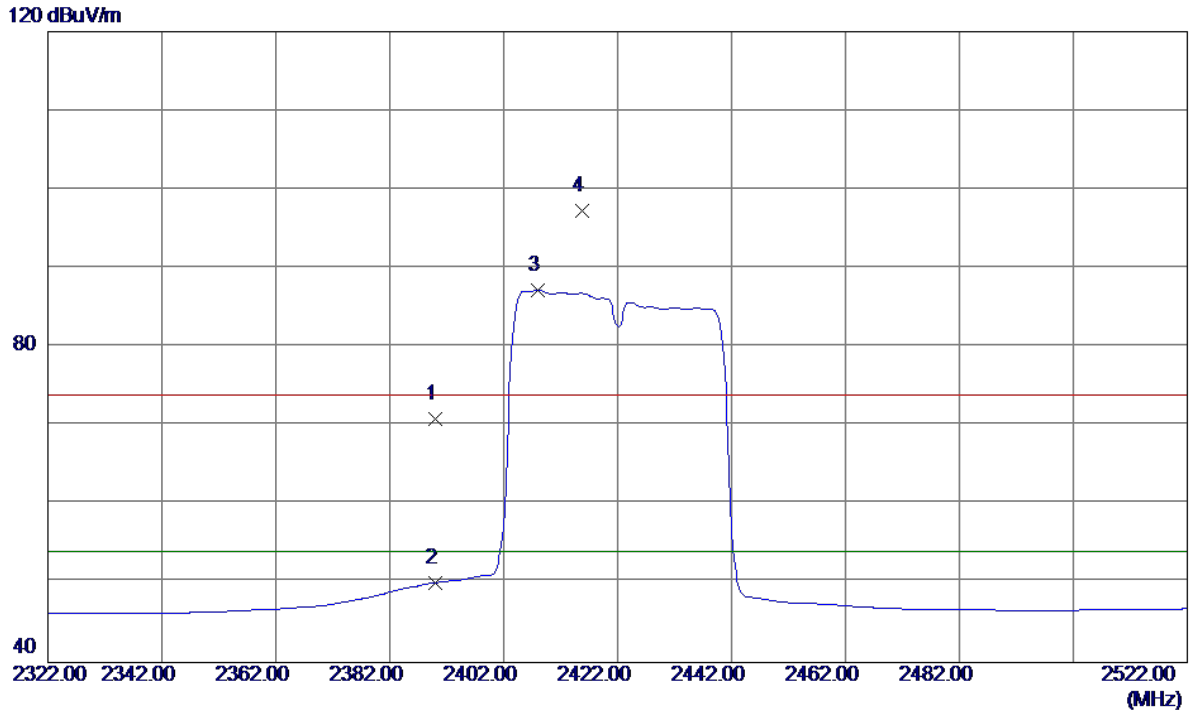
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.9400	39.86	6.14	46.00	74.00	-28.00	Peak	
2	4924.0800	28.16	6.14	34.30	54.00	-19.70	AVG	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	38.16	32.68	70.84	74.00	-3.16	Peak	
2	2390.0000	17.43	32.68	50.11	54.00	-3.89	AVG	
3	2408.0000	54.46	32.70	87.16	54.00	33.16	AVG	No Limit
4	2415.8000	64.60	32.71	97.31	74.00	23.31	Peak	No Limit

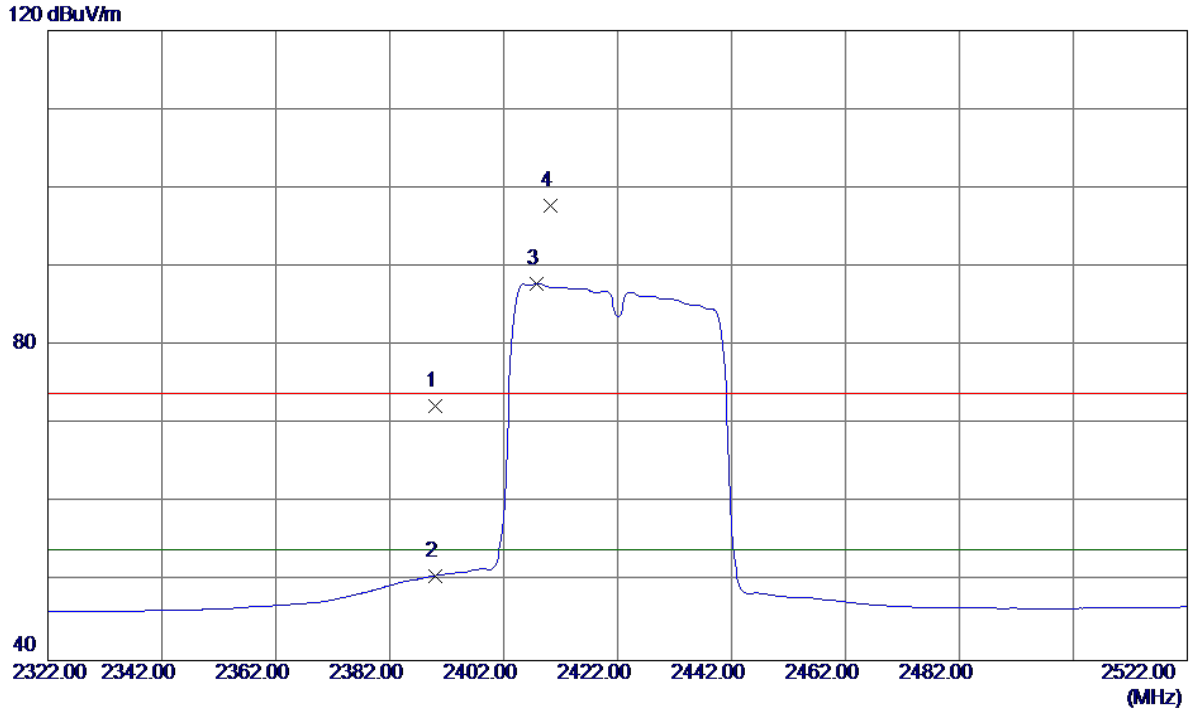
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4843.9300	28.75	5.92	34.67	54.00	-19.33	AVG	
2	4844.0700	40.40	5.92	46.32	74.00	-27.68	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	39.64	32.68	72.32	74.00	-1.68	Peak	
2	2390.0000	18.10	32.68	50.78	54.00	-3.22	AVG	
3	2407.8000	55.12	32.70	87.82	54.00	33.82	AVG	No Limit
4	2410.2000	65.08	32.71	97.79	74.00	23.79	Peak	No Limit

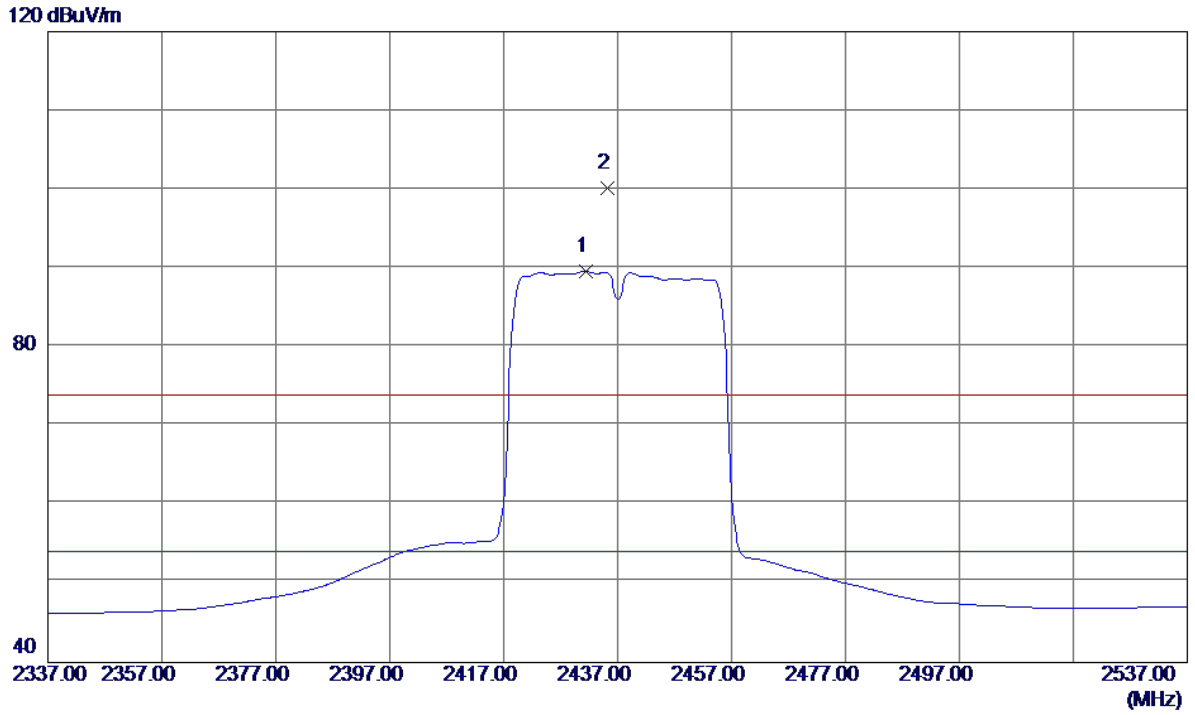
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4843.9400	28.67	5.92	34.59	54.00	-19.41	AVG	
2	4844.0000	40.56	5.92	46.48	74.00	-27.52	Peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2431.4000	56.87	32.74	89.61	54.00	35.61	AVG	No Limit
2	2435.2000	67.49	32.74	100.23	74.00	26.23	Peak	No Limit

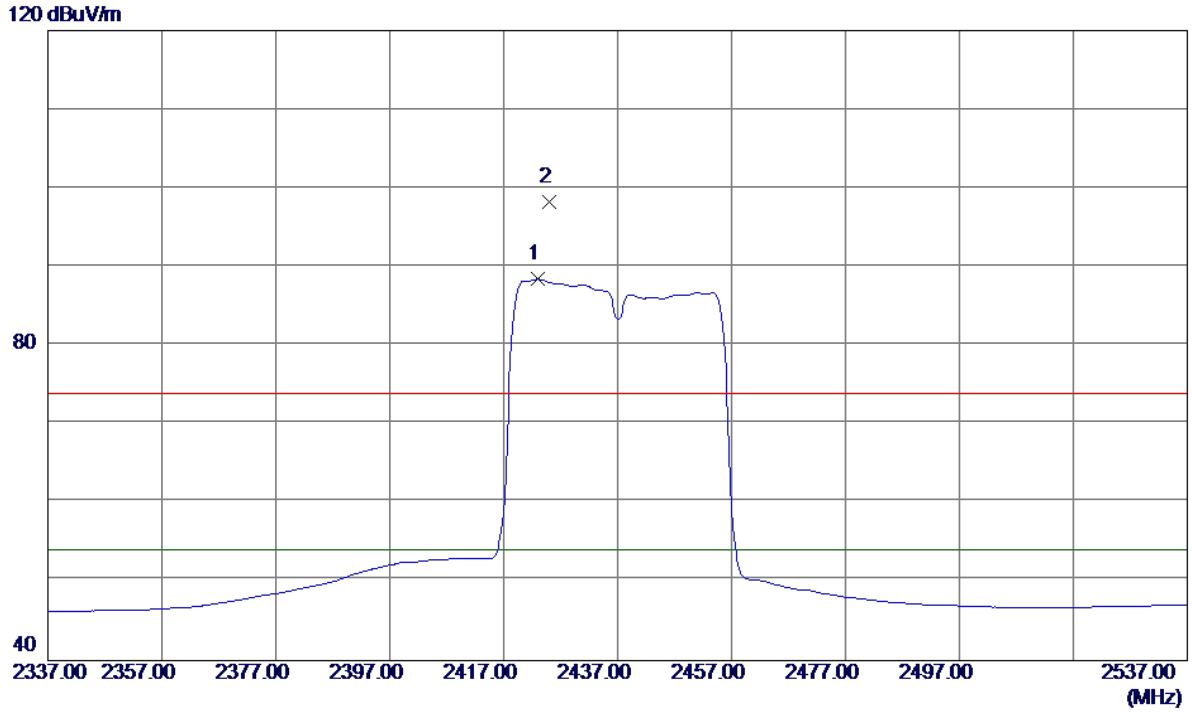
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.8200	40.53	6.00	46.53	74.00	-27.47	Peak	
2	4874.0800	28.50	6.00	34.50	54.00	-19.50	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2423.0000	55.70	32.72	88.42	54.00	34.42	AVG	No Limit
2	2425.0000	65.59	32.73	98.32	74.00	24.32	Peak	No Limit

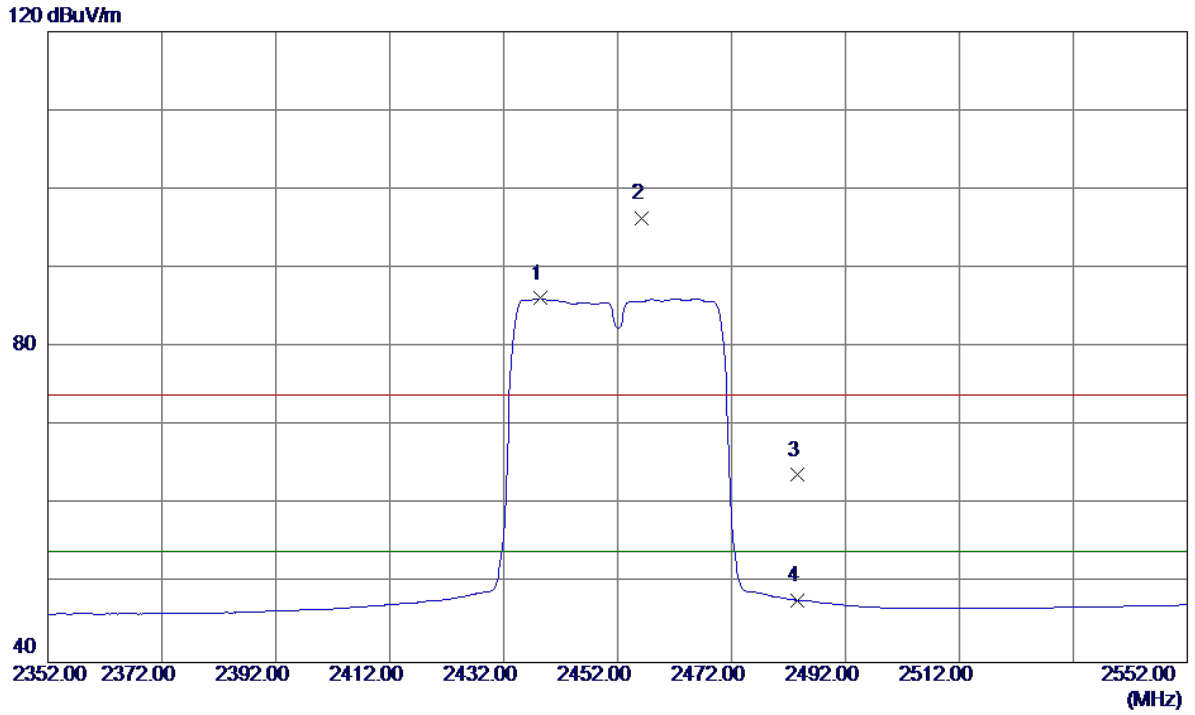
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.9300	28.47	6.00	34.47	54.00	-19.53	AVG	
2	4874.0000	39.90	6.00	45.90	74.00	-28.10	Peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.4000	53.42	32.74	86.16	54.00	32.16	AVG	No Limit
2	2456.2000	63.58	32.77	96.35	74.00	22.35	Peak	No Limit
3	2483.5000	30.95	32.81	63.76	74.00	-10.24	Peak	
4	2483.5000	15.04	32.81	47.85	54.00	-6.15	AVG	

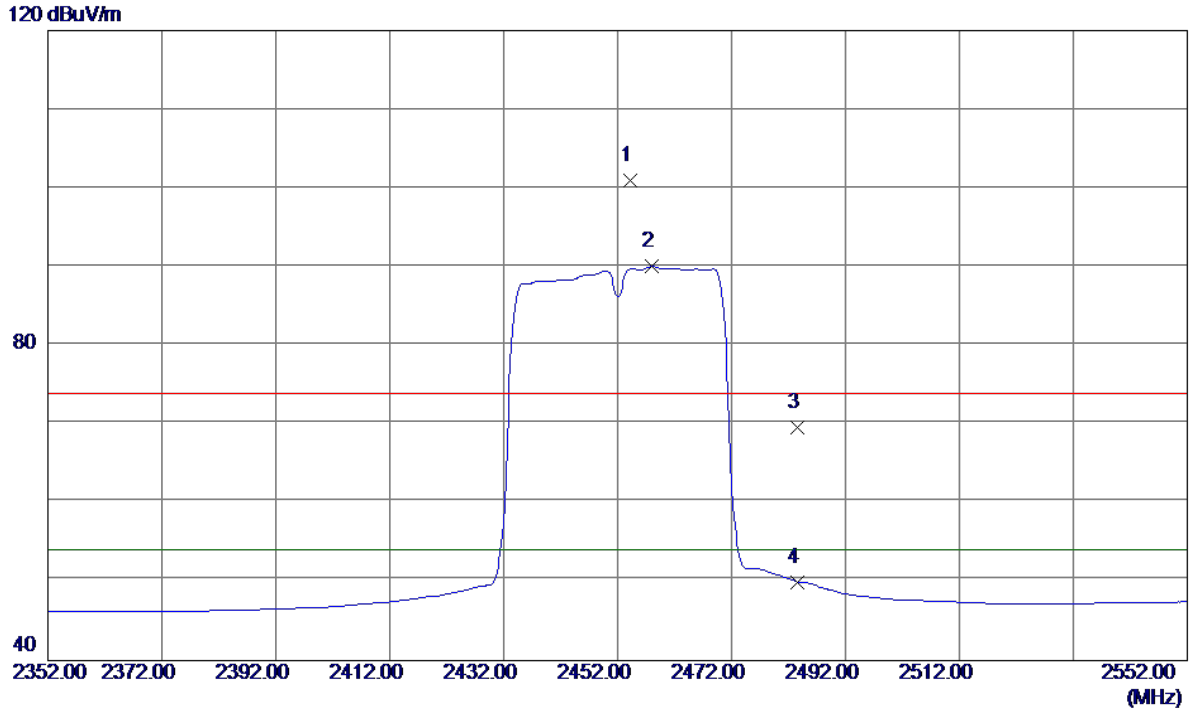
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4903.9800	28.13	6.08	34.21	54.00	-19.79	AVG	
2	4904.4000	39.72	6.08	45.80	74.00	-28.20	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2454.2000	68.23	32.77	101.00	74.00	27.00	Peak	No Limit
2	2458.0000	57.27	32.77	90.04	54.00	36.04	AVG	No Limit
3	2483.5000	36.72	32.81	69.53	74.00	-4.47	Peak	
4	2483.5000	17.18	32.81	49.99	54.00	-4.01	AVG	

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

Horizontal

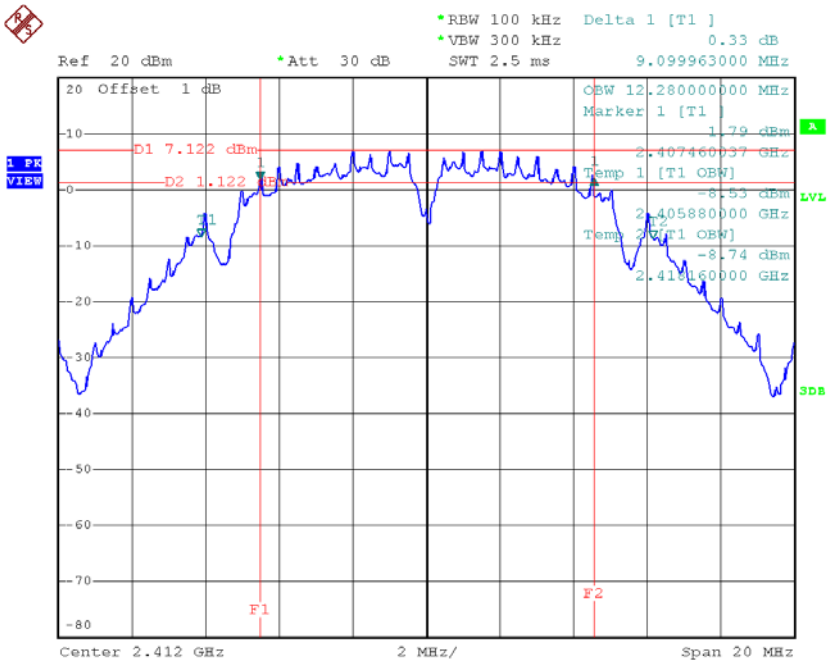
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4904.0400	40.00	6.08	46.08	74.00	-27.92	Peak	
2	4904.0600	28.10	6.08	34.18	54.00	-19.82	AVG	

ATTACHMENT E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

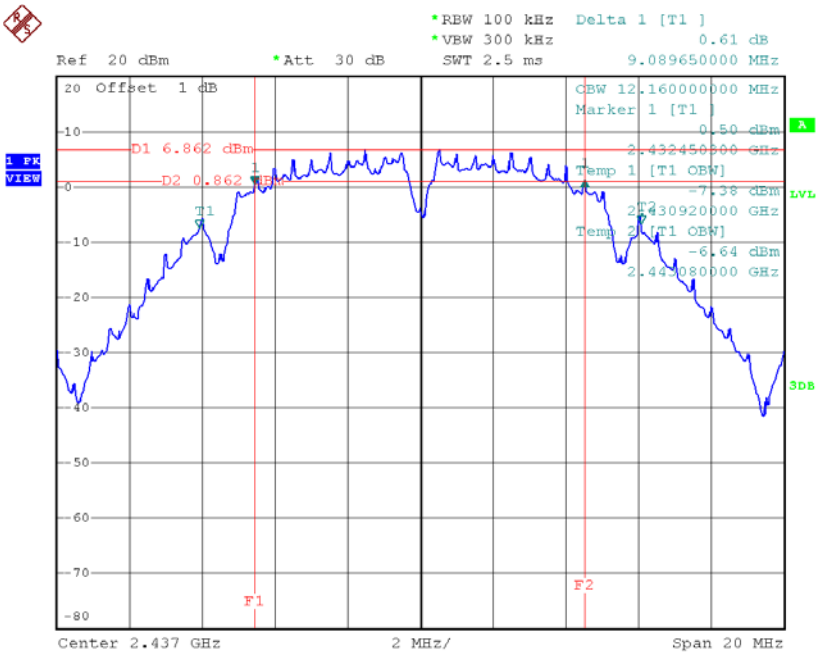
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.10	12.28	500	Complies
2437	9.09	12.16	500	Complies
2462	9.04	12.04	500	Complies

TX CH01



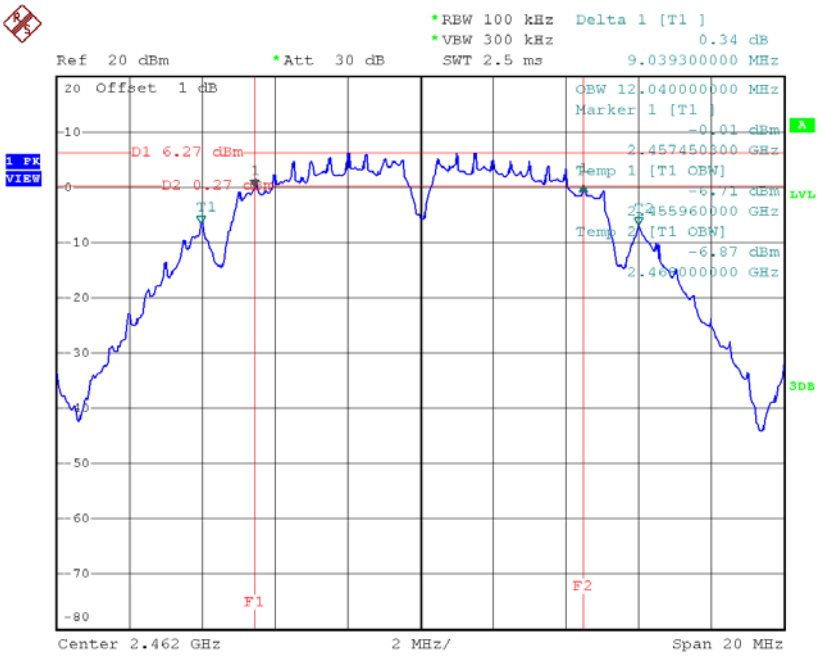
Date: 26.OCT.2015 08:50:59

TX CH06



Date: 26.OCT.2015 08:52:20

TX CH11

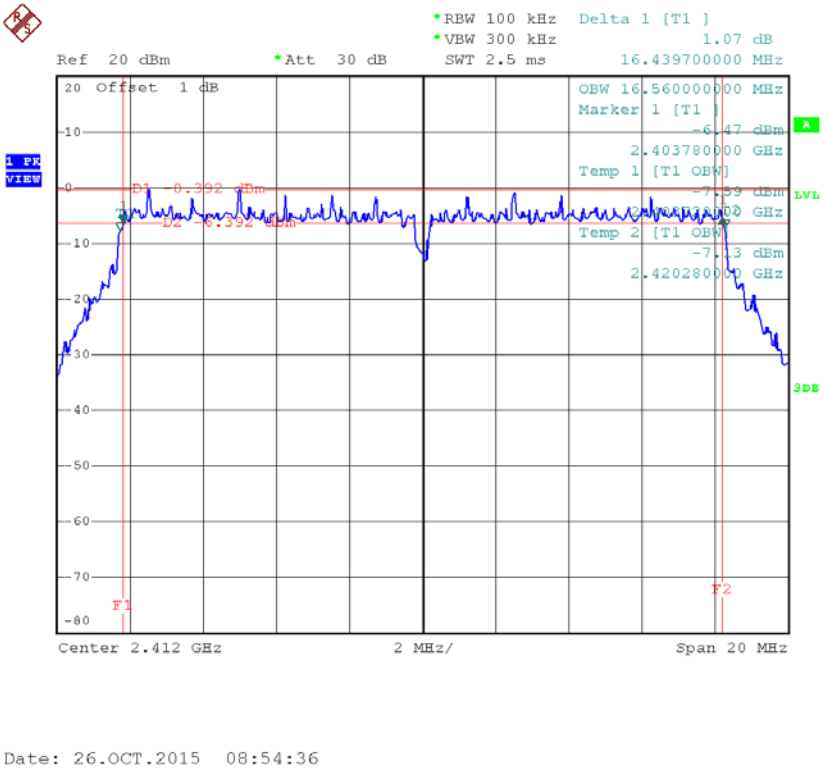


Date: 26.OCT.2015 08:53:31

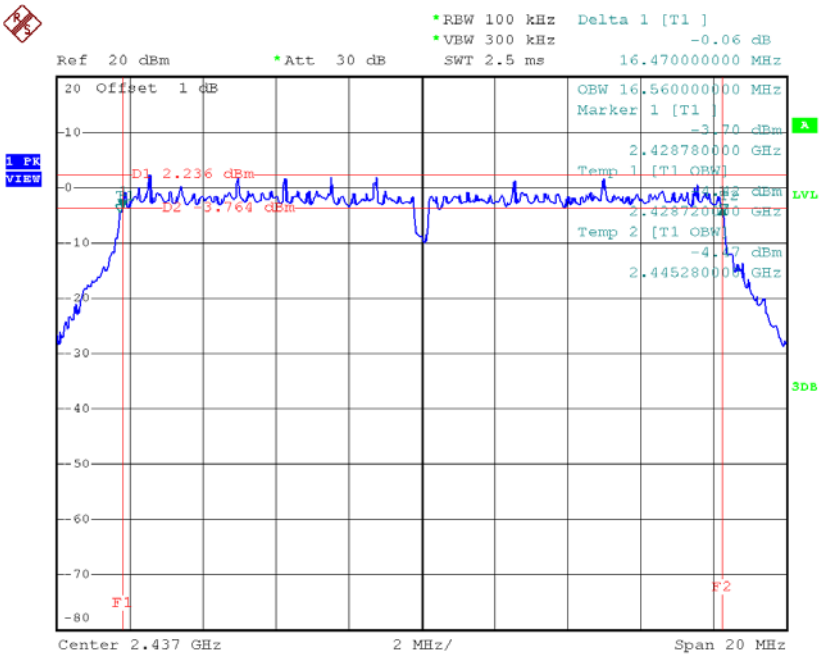
Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.44	16.56	500	Complies
2437	16.47	16.56	500	Complies
2462	16.45	16.56	500	Complies

TX CH01

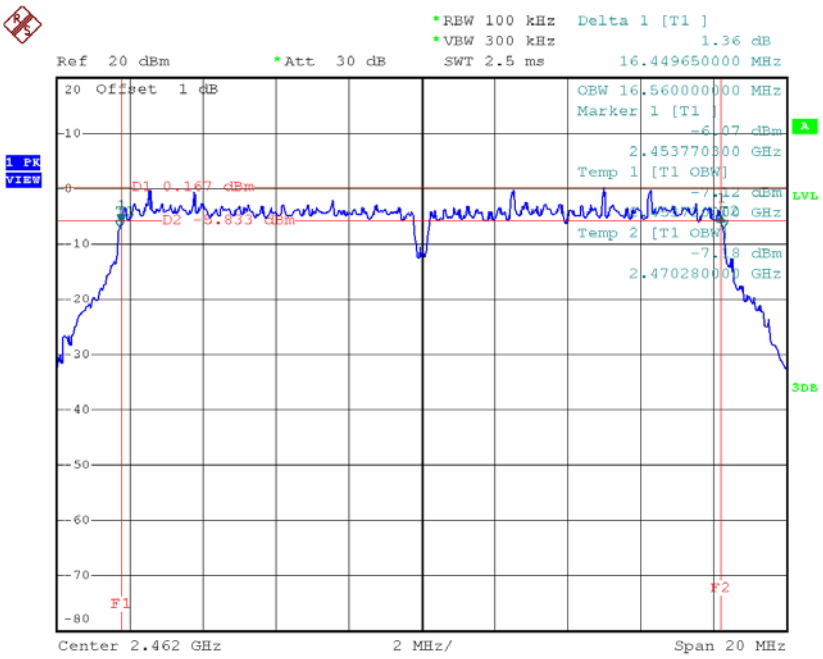


TX CH06



Date: 26.OCT.2015 08:55:35

TX CH11

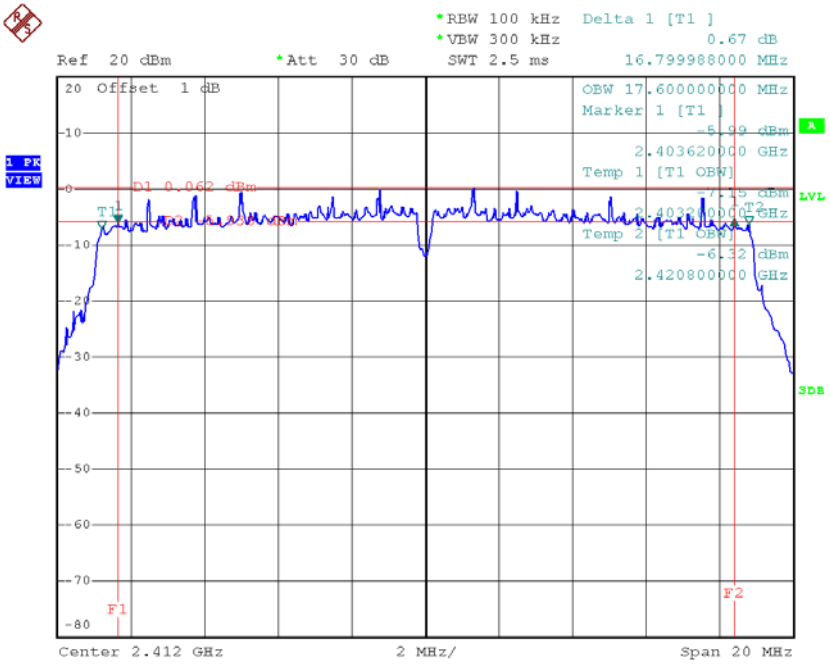


Date: 26.OCT.2015 08:56:31

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

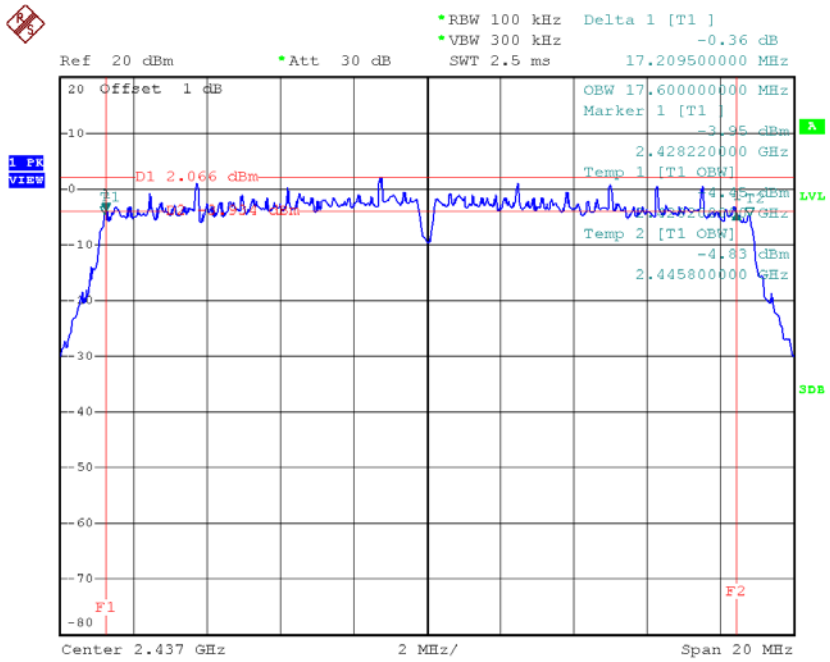
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.80	17.60	500	Complies
2437	17.21	17.60	500	Complies
2462	17.20	17.60	500	Complies

TX CH01



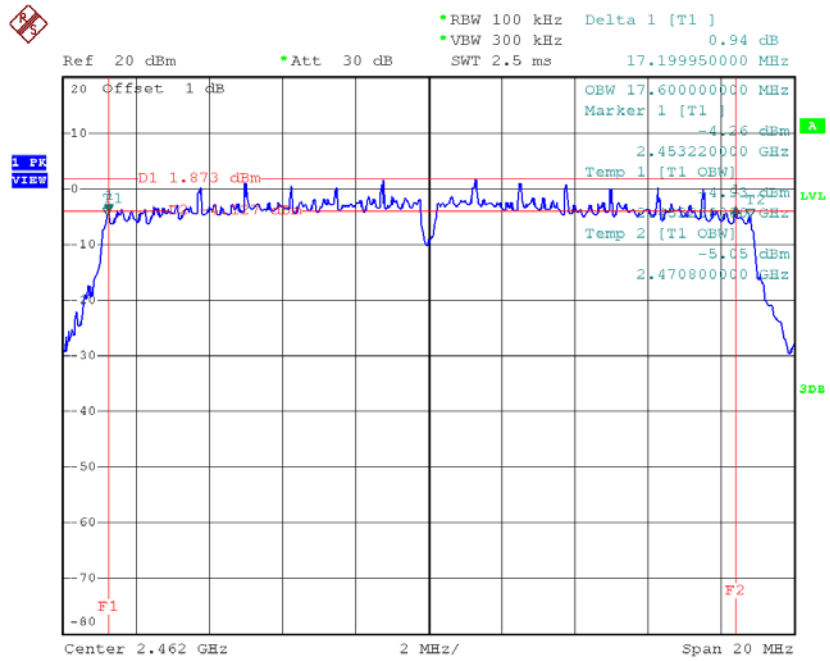
Date: 26.OCT.2015 08:58:18

TX CH06



Date: 26.OCT.2015 08:59:17

TX CH11

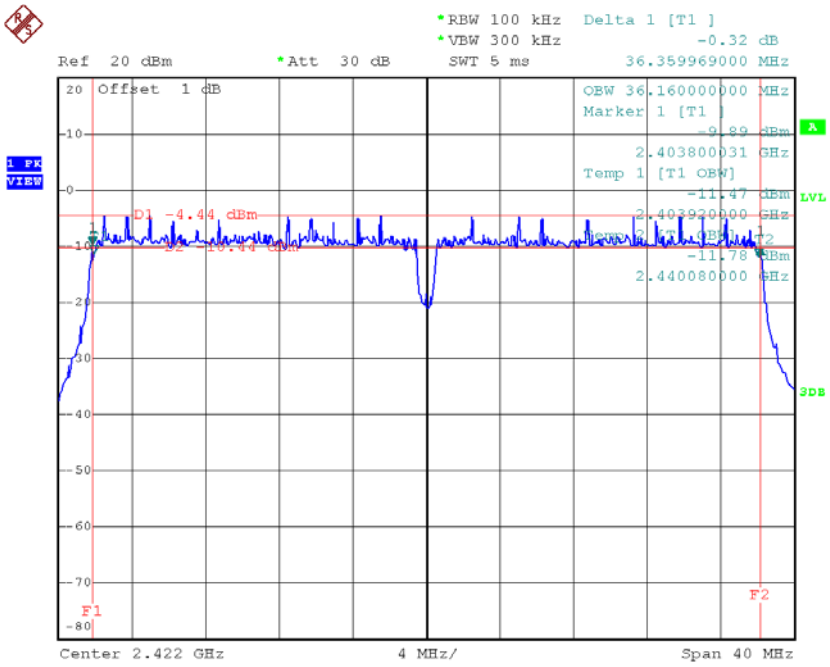


Date: 26.OCT.2015 09:00:08

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

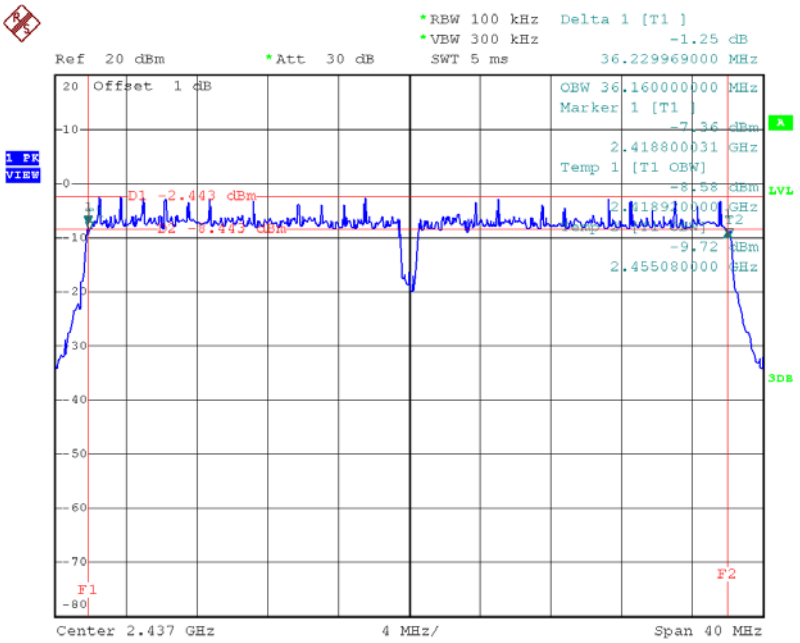
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.36	36.16	500	Complies
2437	36.23	36.16	500	Complies
2452	36.40	36.16	500	Complies

TX CH03



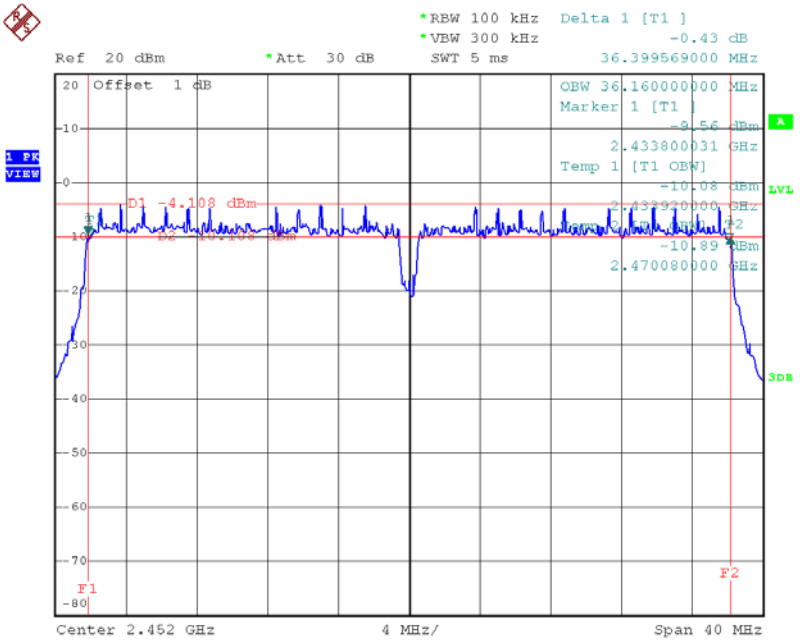
Date: 26.OCT.2015 09:03:25

TX CH06



Date: 26.OCT.2015 09:04:30

TX CH09



Date: 26.OCT.2015 09:06:10

ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode :TX B Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.98	0.05	30.00	1.00	Complies
2437	16.95	0.05	30.00	1.00	Complies
2462	16.85	0.05	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	11.83	0.02	30.00	1.00	Complies
2437	14.92	0.03	30.00	1.00	Complies
2462	12.56	0.02	30.00	1.00	Complies

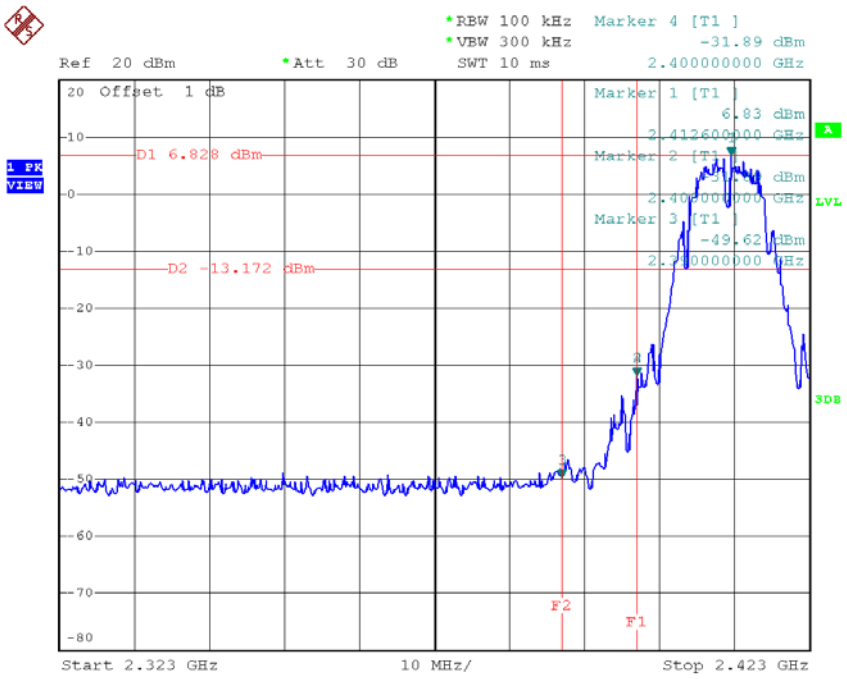
Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	11.77	0.02	30.00	1.00	Complies
2437	13.93	0.02	30.00	1.00	Complies
2462	13.96	0.02	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	10.31	0.01	30.00	1.00	Complies
2437	12.33	0.02	30.00	1.00	Complies
2452	10.67	0.01	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

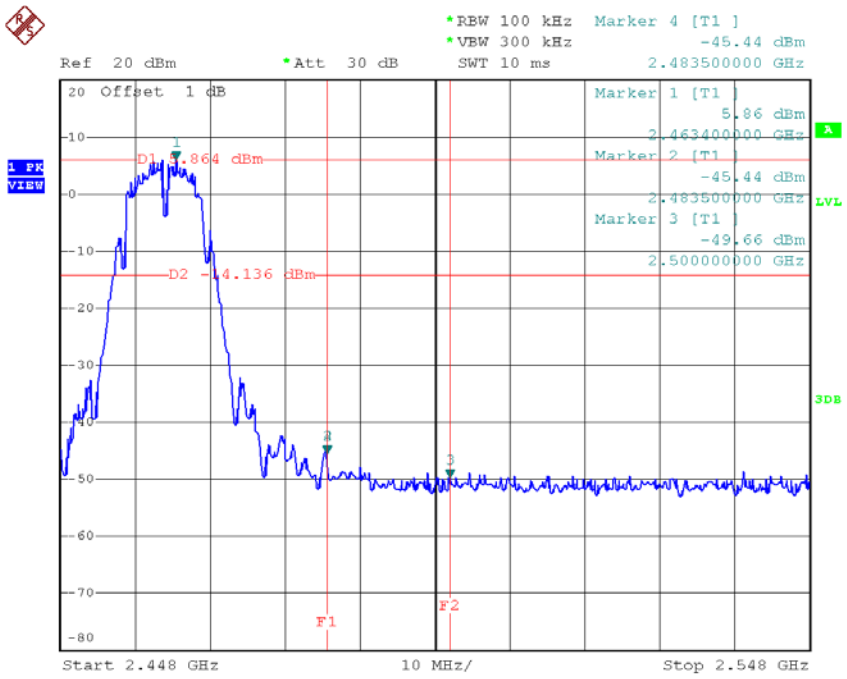
Test Mode :	TX B Mode

TX B mode CH01



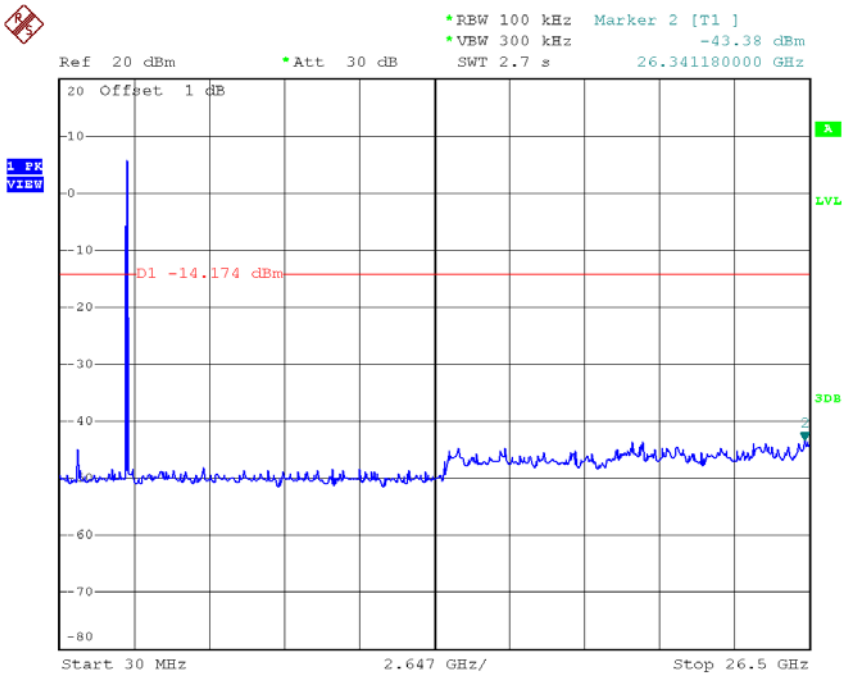
Date: 26.OCT.2015 08:51:21

TX B mode CH11



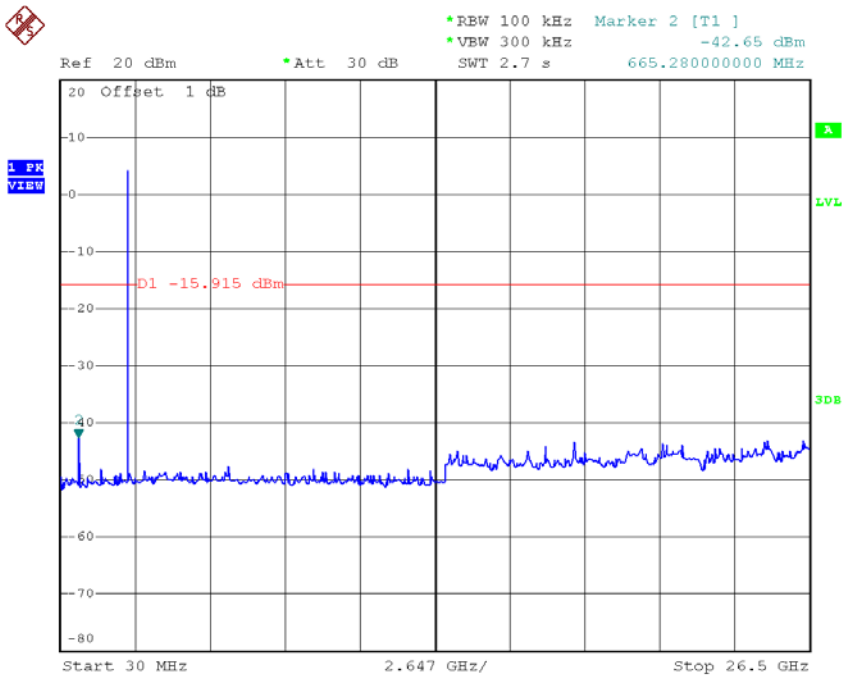
Date: 26.OCT.2015 08:53:53

TX B mode CH01 (10 Harmonic of the frequency)



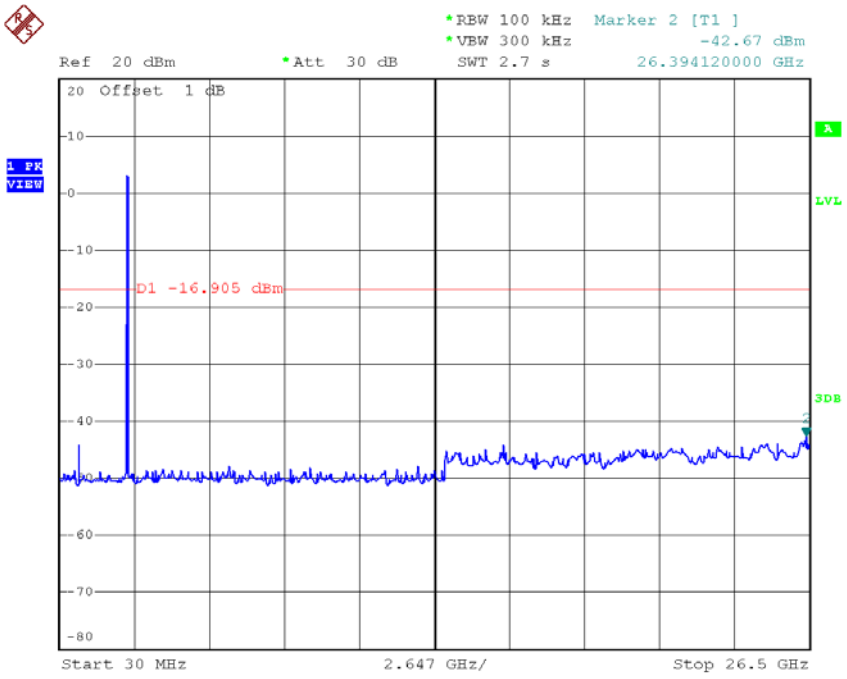
Date: 26.OCT.2015 08:51:13

TX B mode CH06 (10 Harmonic of the frequency)



Date: 26.OCT.2015 08:52:34

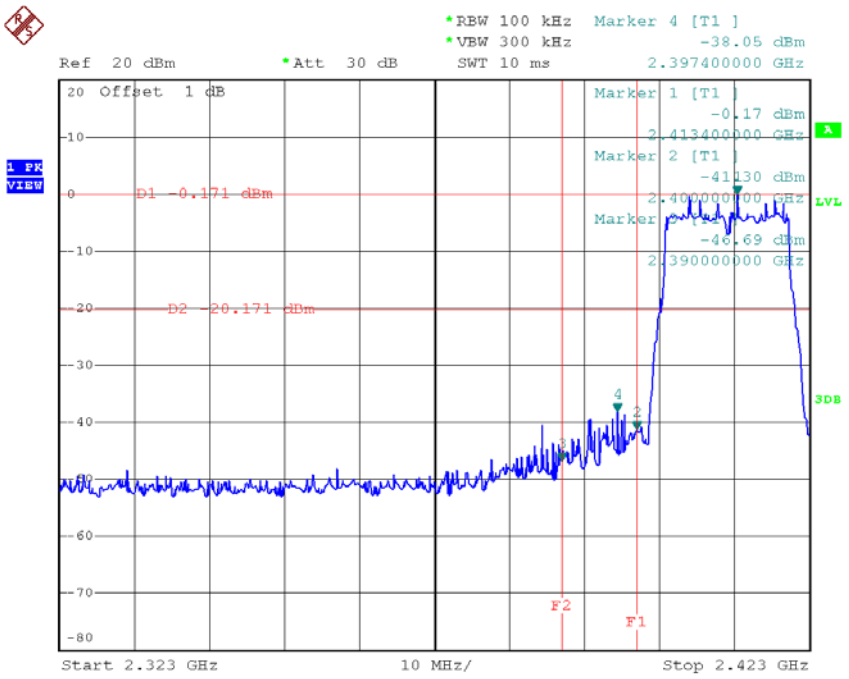
TX B mode CH11 (10 Harmonic of the frequency)



Date: 26.OCT.2015 08:53:45

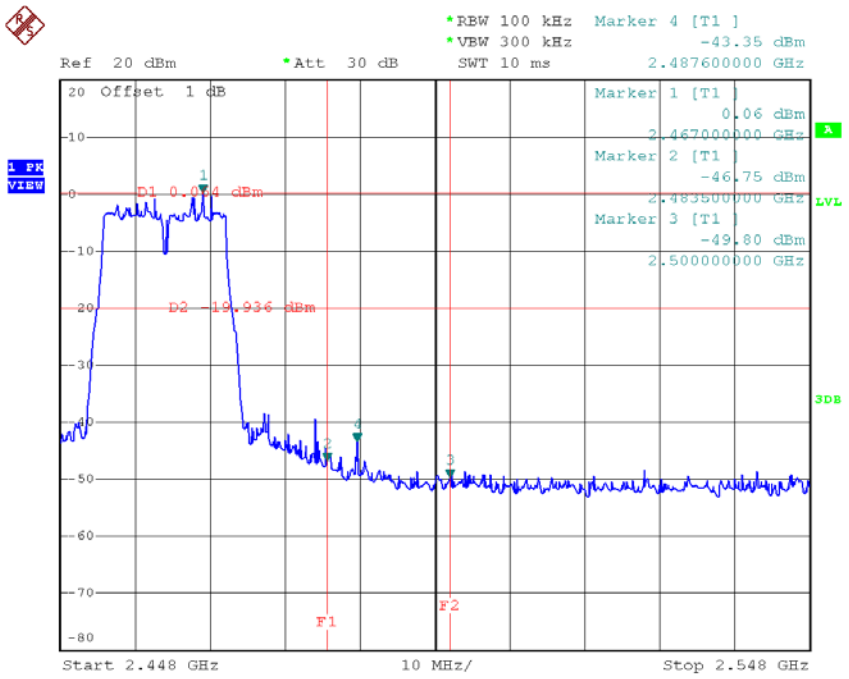
Test Mode :	TX G Mode

TX G mode CH01



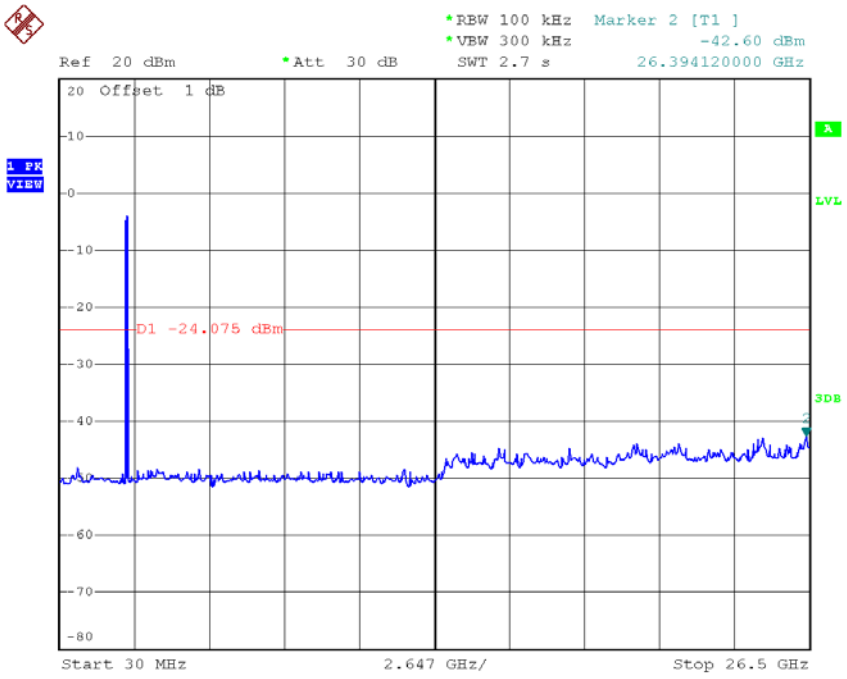
Date: 26.OCT.2015 08:54:58

TX G mode CH11



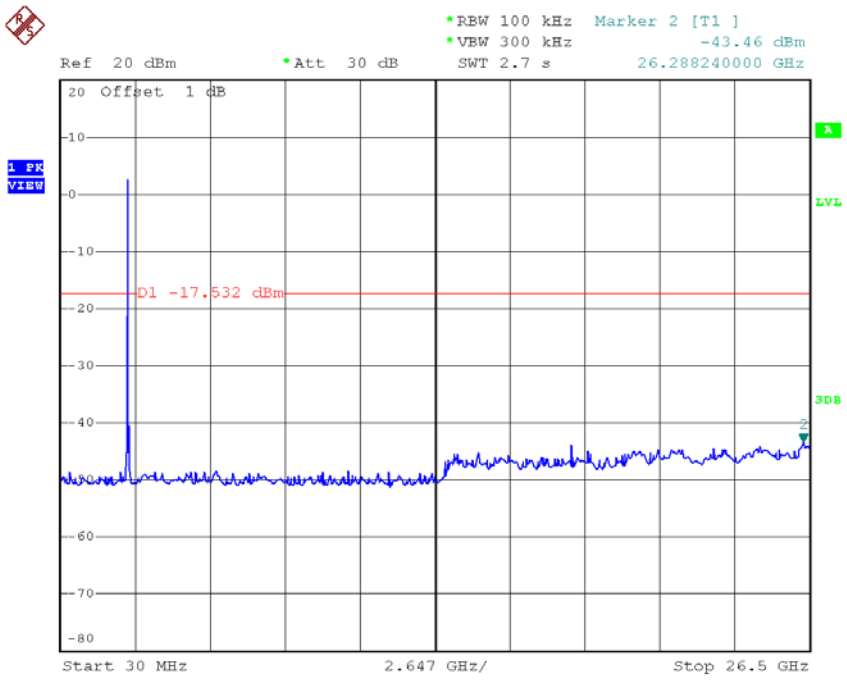
Date: 26.OCT.2015 08:56:53

TX G mode CH01 (10 Harmonic of the frequency)



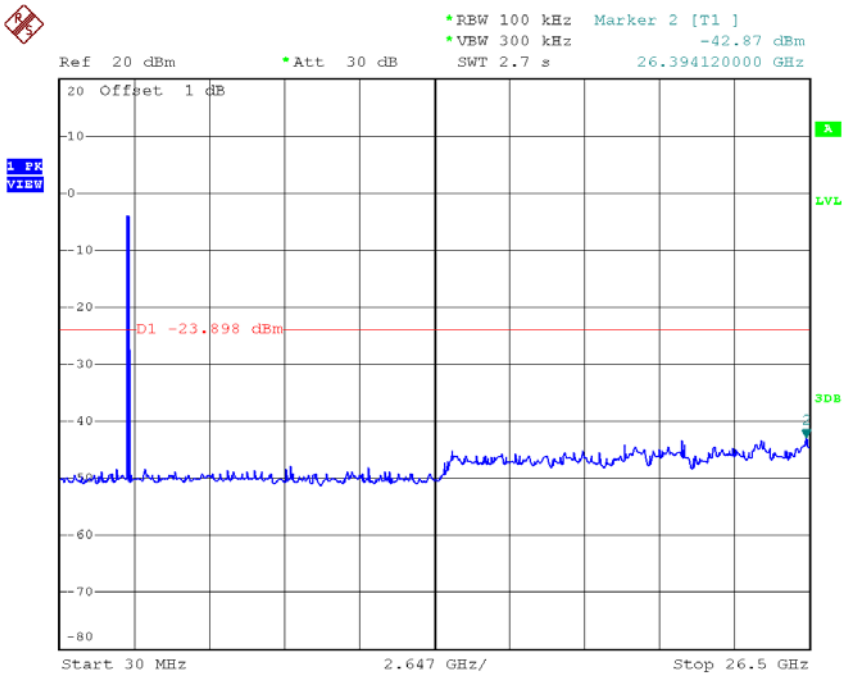
Date: 26.OCT.2015 08:54:50

TX G mode CH06 (10 Harmonic of the frequency)



Date: 26.OCT.2015 08:55:49

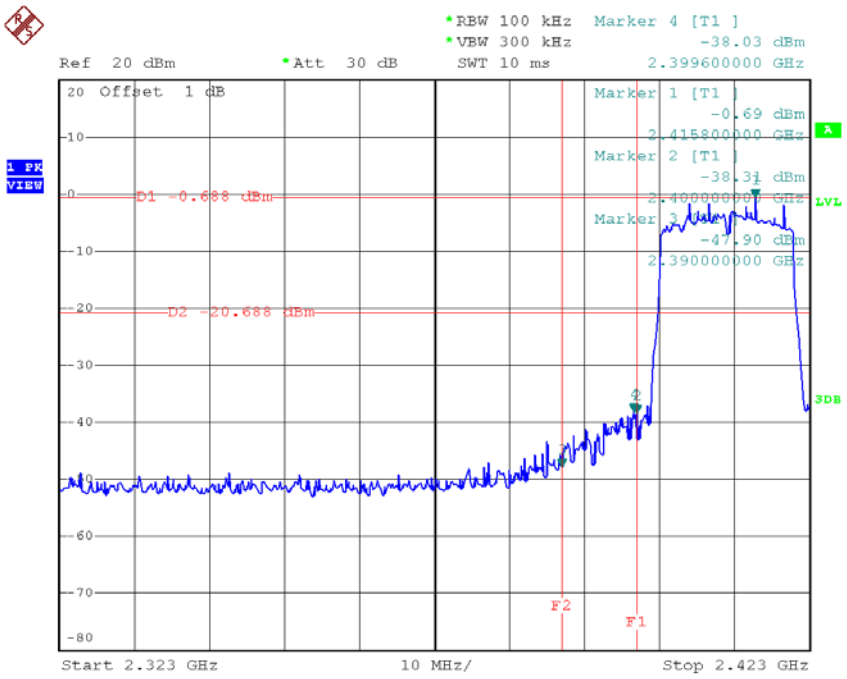
TX G mode CH11 (10 Harmonic of the frequency)



Date: 26.OCT.2015 08:56:45

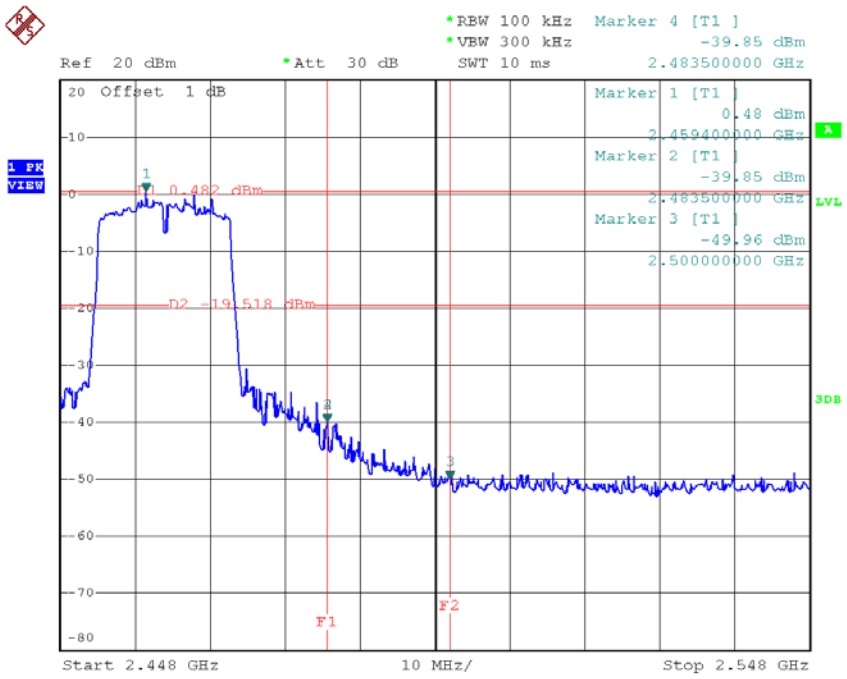
Test Mode :	TX N-20M Mode

TX HT20 mode CH01



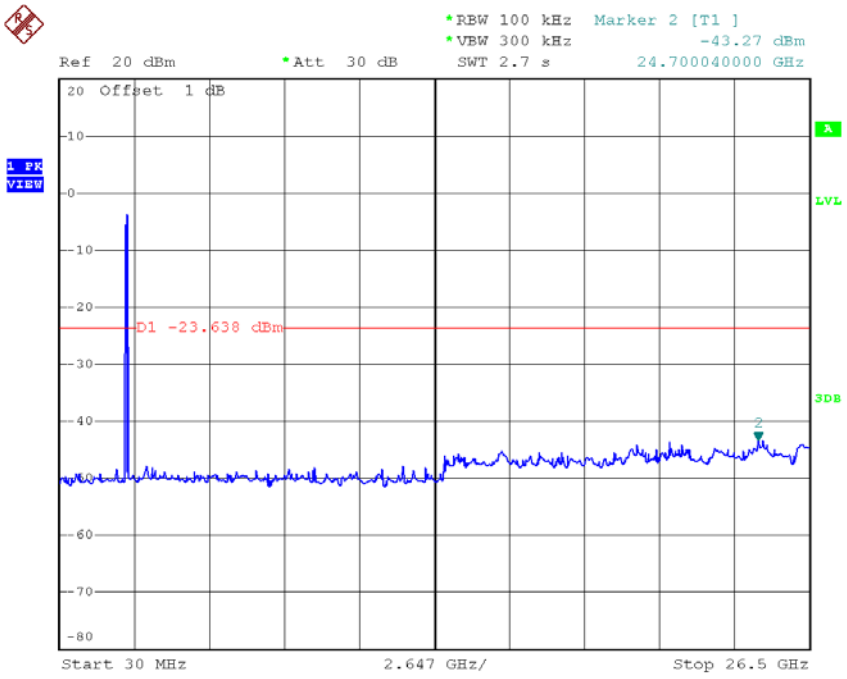
Date: 26.OCT.2015 08:58:40

TX HT20 mode CH11



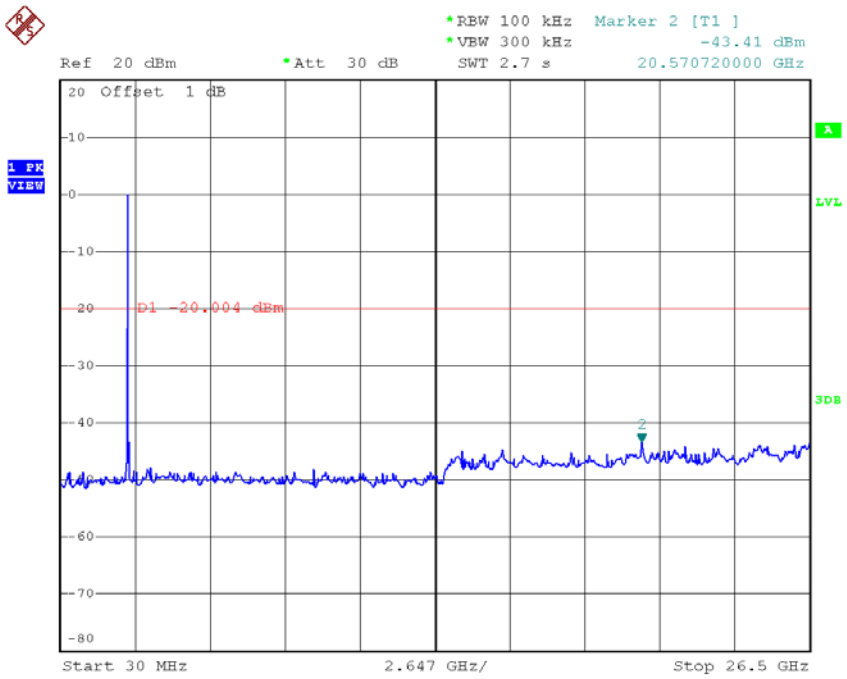
Date: 26.OCT.2015 09:00:29

TX HT20 mode CH01 (10 Harmonic of the frequency)



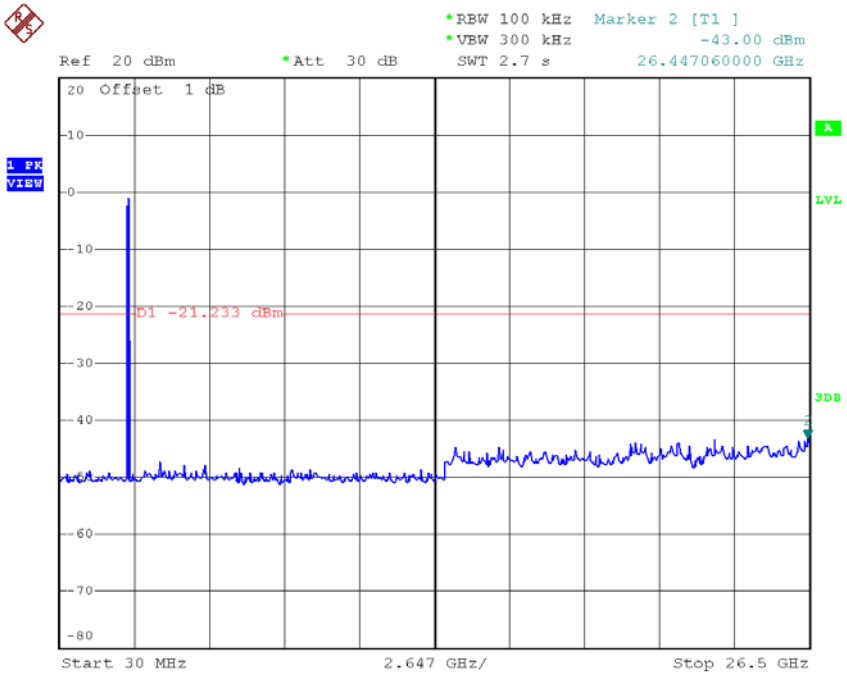
Date: 26.OCT.2015 08:58:32

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 26.OCT.2015 08:59:31

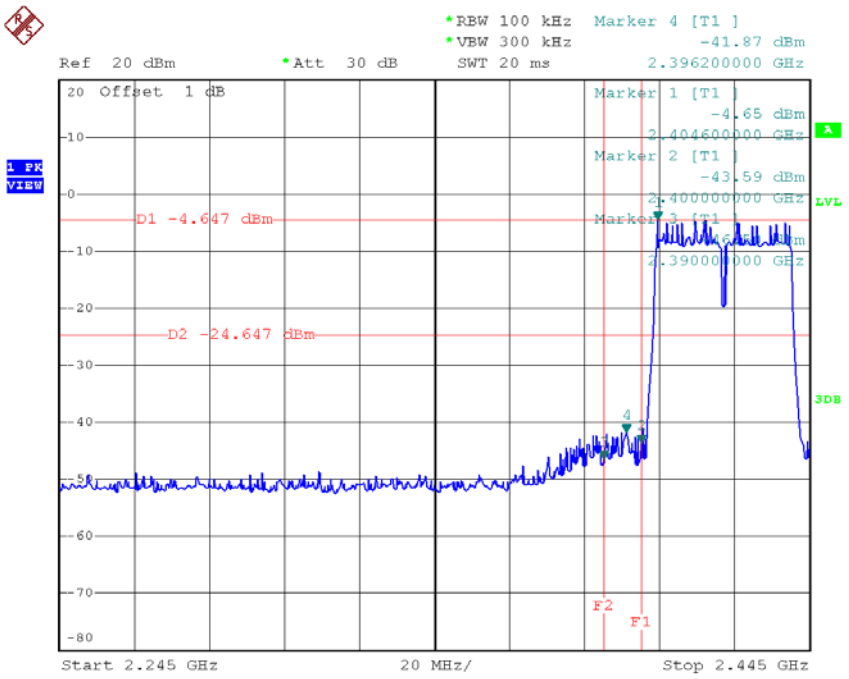
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 26.OCT.2015 09:00:22

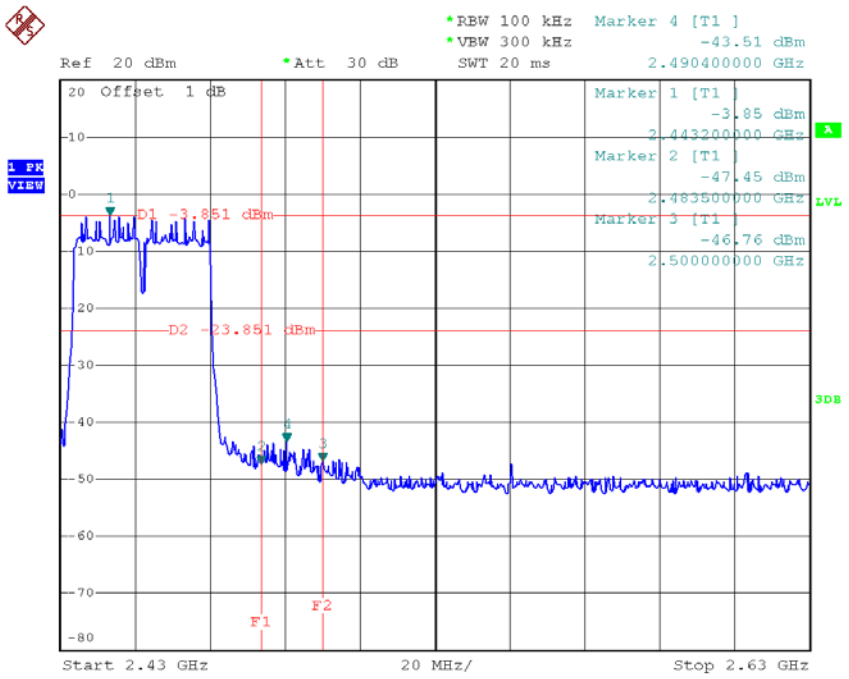
Test Mode :	TX N-40M Mode

TX HT40 mode CH03



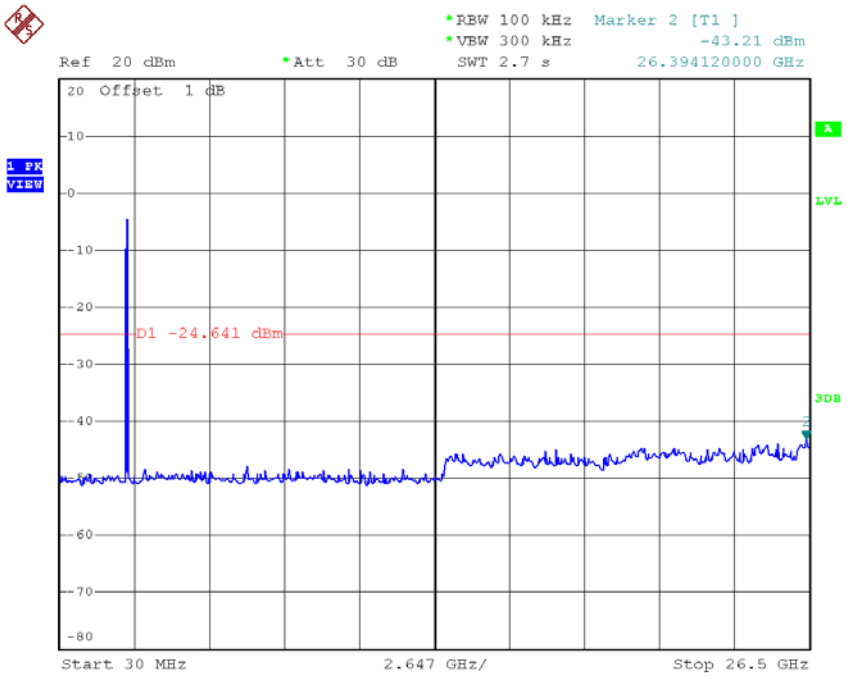
Date: 26.OCT.2015 09:03:47

TX HT40 mode CH09



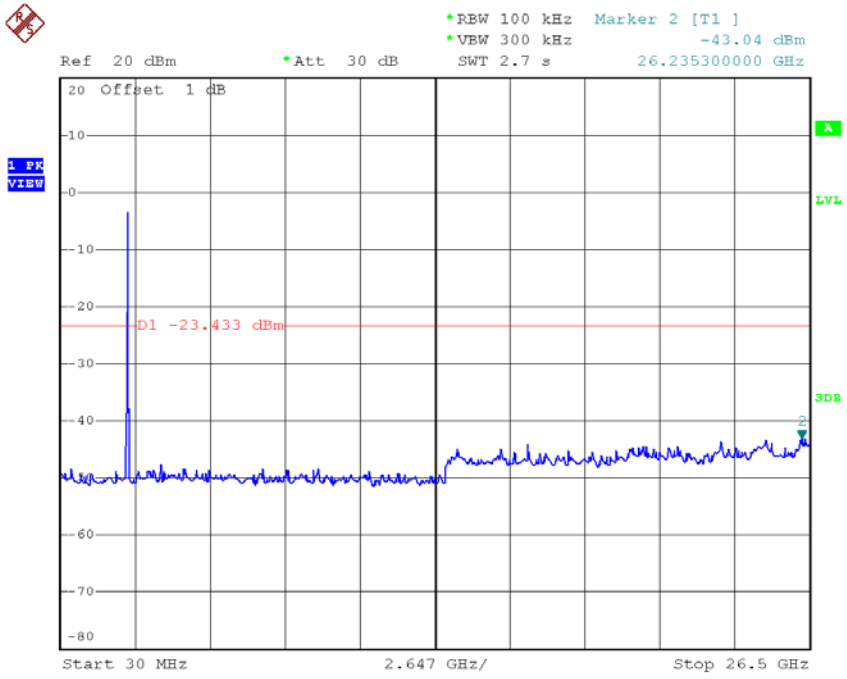
Date: 26.OCT.2015 09:06:32

TX HT40 mode CH03 (10 Harmonic of the frequency)



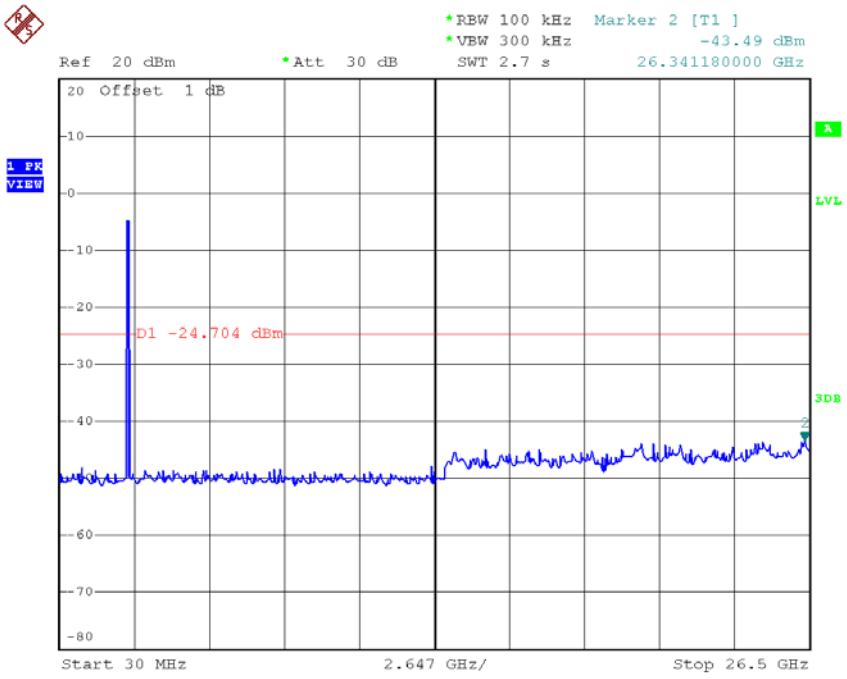
Date: 26.OCT.2015 09:03:39

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 26.OCT.2015 09:04:44

TX HT40 mode CH09 (10 Harmonic of the frequency)



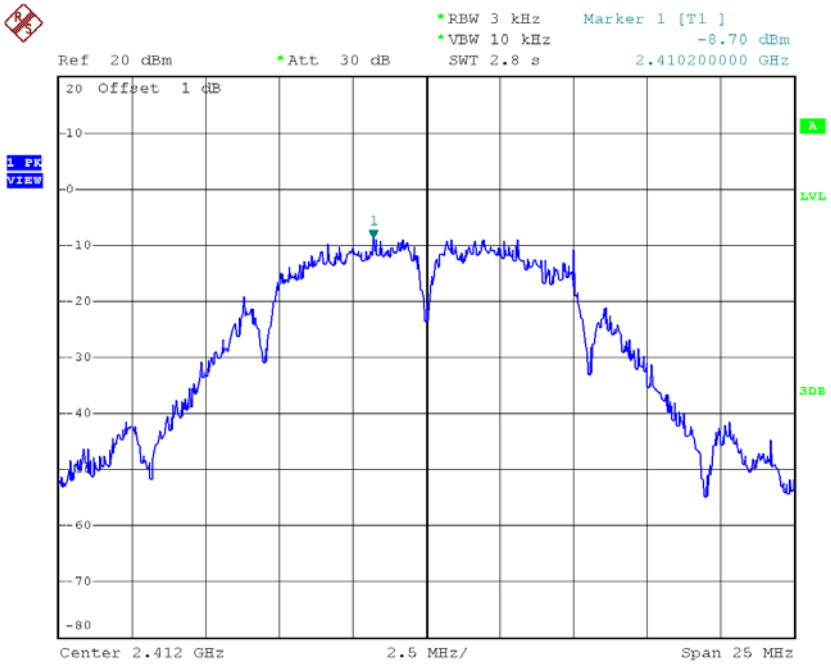
Date: 26.OCT.2015 09:06:24

ATTACHMENT H - POWER SPECTRAL DENSITY

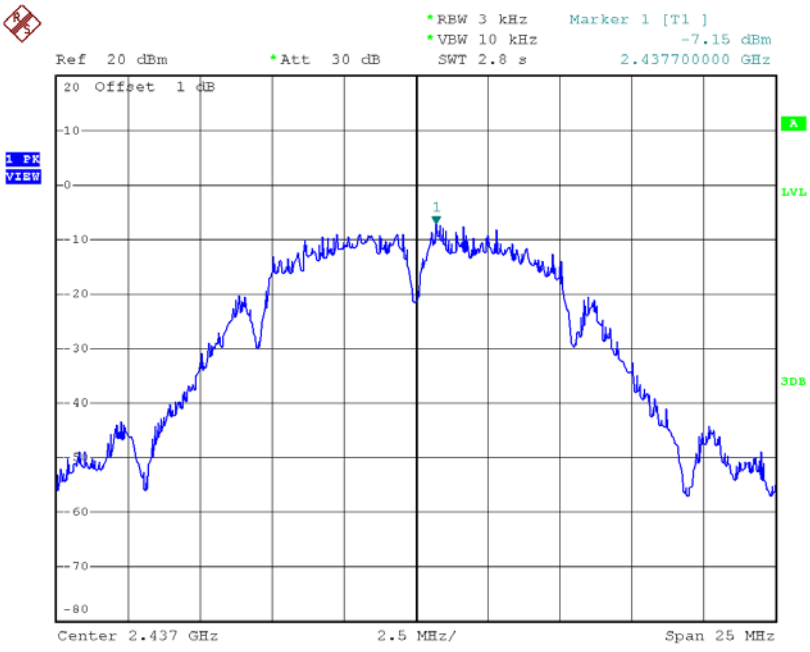
Test Mode :TX B Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-8.70	0.13	8.00	Complies
2437	-7.15	0.19	8.00	Complies
2462	-7.95	0.16	8.00	Complies

TX CH01

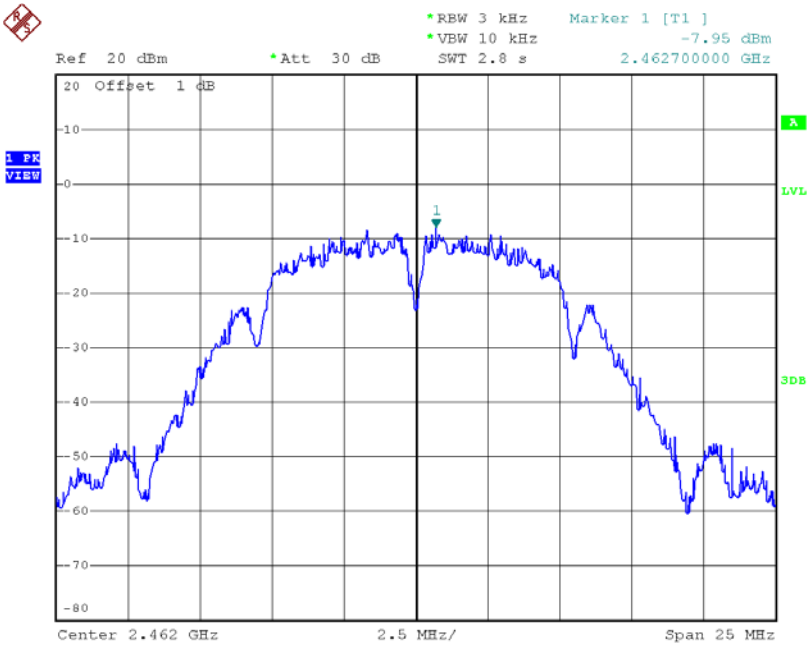


TX CH06



Date: 26.OCT.2015 08:52:43

TX CH11

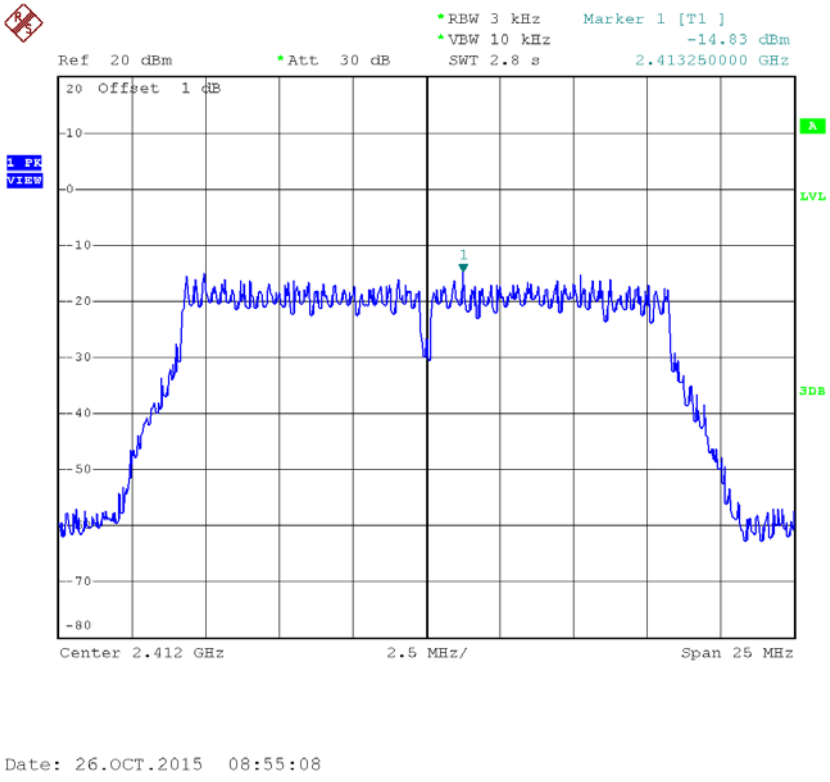


Date: 26.OCT.2015 08:54:02

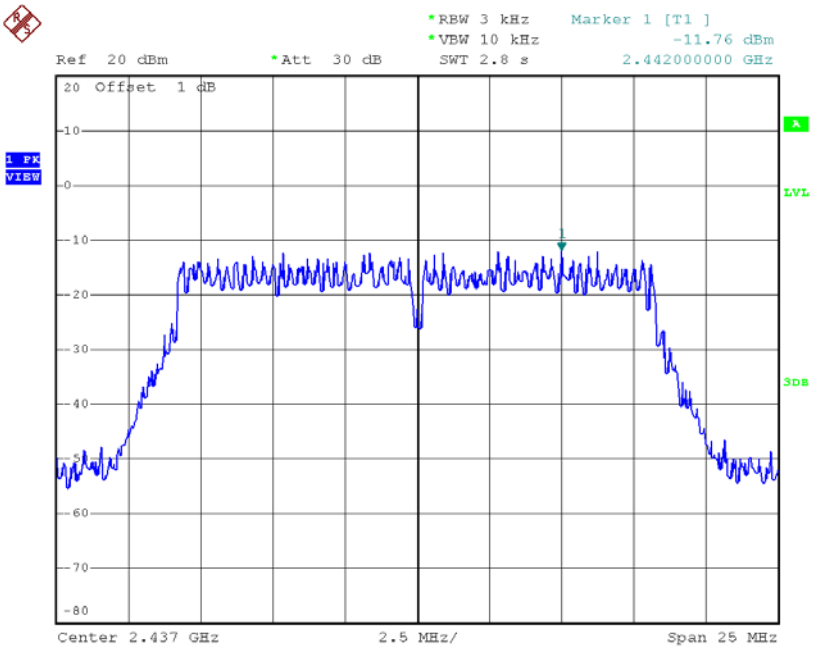
Test Mode :TX G Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.83	0.03	8.00	Complies
2437	-11.76	0.07	8.00	Complies
2462	-14.52	0.04	8.00	Complies

TX CH01

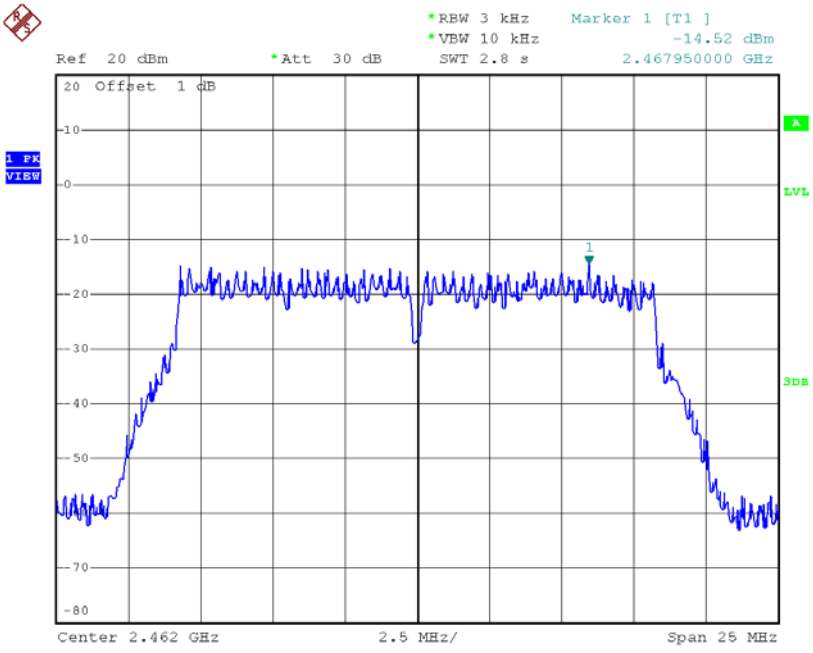


TX CH06



Date: 26.OCT.2015 08:55:58

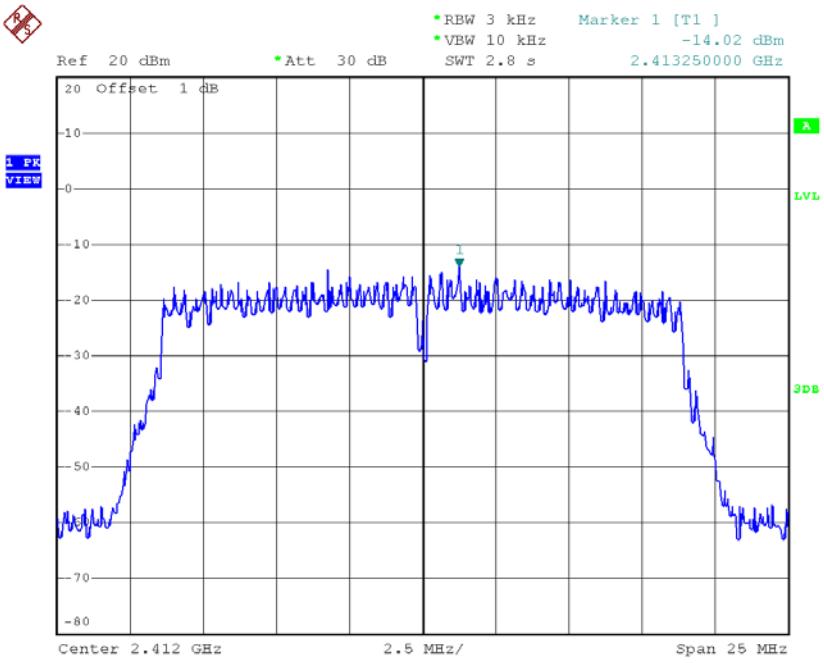
TX CH11



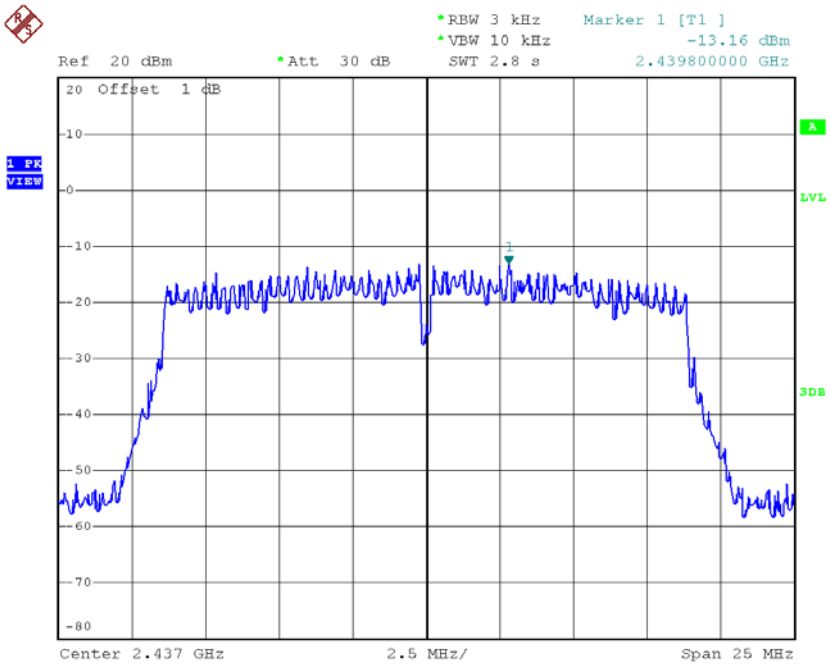
Date: 26.OCT.2015 08:57:02

Test Mode : TX N-20M Mode_CH01/06/11				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.02	0.04	8.00	Complies
2437	-13.16	0.05	8.00	Complies
2462	-13.79	0.04	8.00	Complies

TX CH01

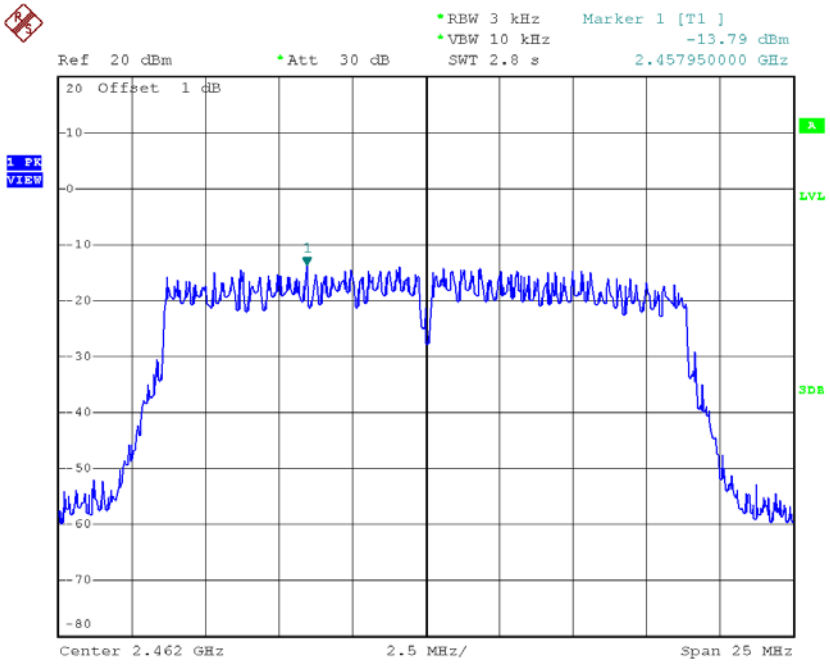


TX CH06



Date: 26.OCT.2015 08:59:40

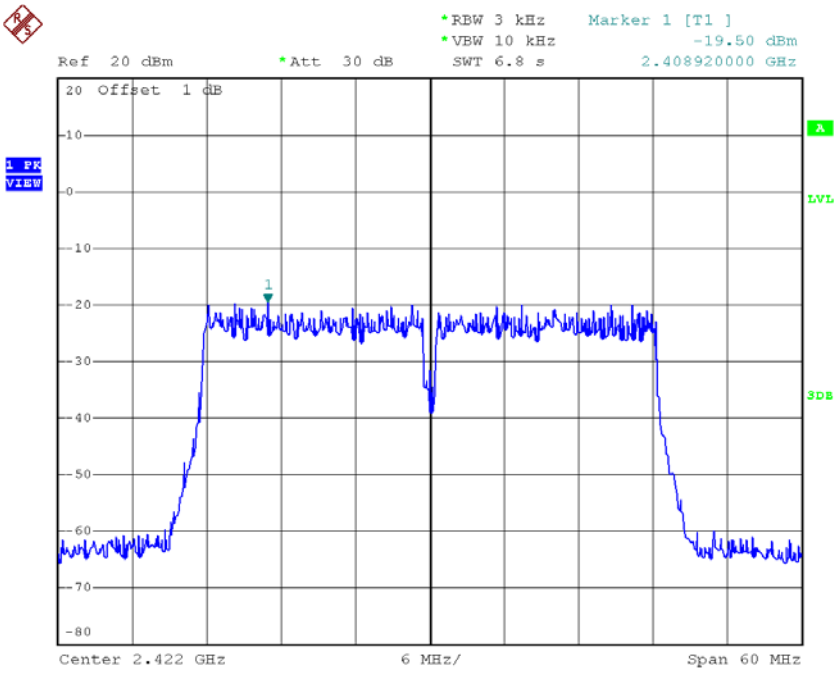
TX CH11



Date: 26.OCT.2015 09:00:39

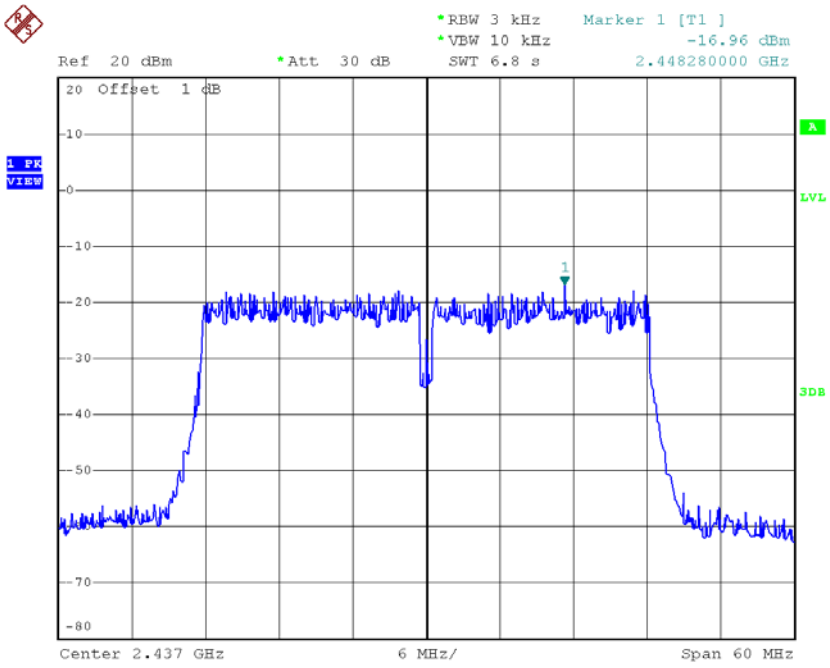
Test Mode : TX N-40M Mode_CH03/06/09				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-19.50	0.01	8.00	Complies
2437	-16.96	0.02	8.00	Complies
2452	-18.97	0.01	8.00	Complies

TX CH03



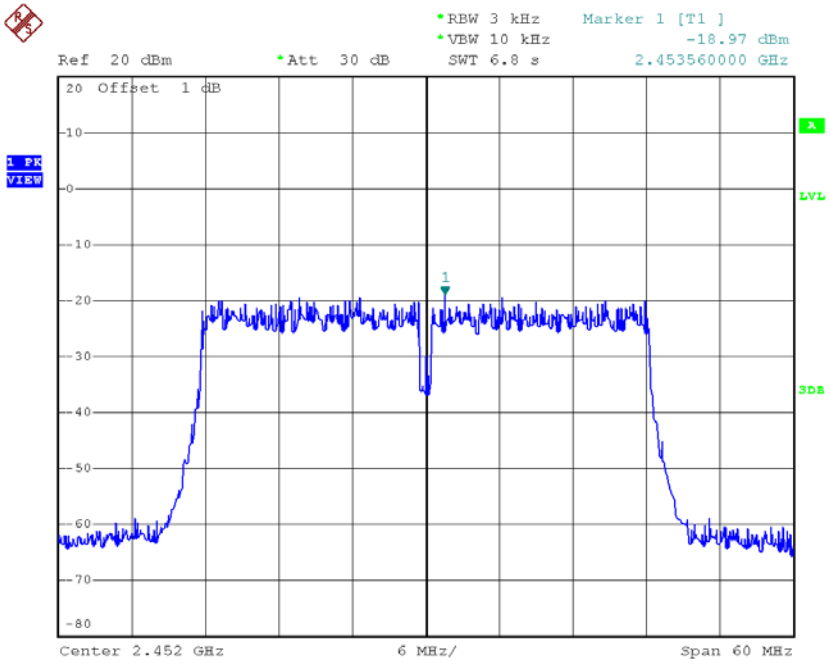
Date: 26.OCT.2015 09:03:59

TX CH06



Date: 26.OCT.2015 09:04:56

TX CH09



Date: 26.OCT.2015 09:06:44