

FCC Radio Test Report

FCC ID:KA2SL2750BT1

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

Project No. : 1509C160A
Equipment : Wireless N ADSL2+ 3G USB Router
Model Name : DSL-2750B, DSL-2750U, DSL-2751U, DSL-2751B
Applicant : D-Link Corporation
Address : 17595 Mt Herrmann, Fountain Valley, California,
United States 92708

Date of Receipt : Sep. 10, 2015
Date of Test : Sep. 10, 2015 ~Dec. 23, 2015
Issued Date : Dec. 24, 2015
Tested by : BTL Inc.

Testing Engineer : *Niklaus Lai*
(Niklaus Lai)

Technical Manager : *David Mao*
(David Mao)

Authorized Signatory : *Steven Lu*
(Steven Lu)

B T L I N C .

No.3,Jinshagang 1st Road, Shixia,Dalang Town, Dongguan,
Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

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.**

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

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

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

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

Limitation

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

Table of Contents	Page
1 . CERTIFICATION	6
2 . SUMMARY OF TEST RESULTS	7
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
3 . GENERAL INFORMATION	9
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	11
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	12
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	13
3.5 DESCRIPTION OF SUPPORT UNITS	13
4 . EMC EMISSION TEST	14
4.1 CONDUCTED EMISSION MEASUREMENT	14
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	14
4.1.2 TEST PROCEDURE	14
4.1.3 DEVIATION FROM TEST STANDARD	14
4.1.4 TEST SETUP	15
4.1.5 EUT OPERATING CONDITIONS	15
4.1.6 EUT TEST CONDITIONS	15
4.1.7 TEST RESULTS	15
4.2 RADIATED EMISSION MEASUREMENT	16
4.2.1 RADIATED EMISSION LIMITS	16
4.2.2 TEST PROCEDURE	17
4.2.3 DEVIATION FROM TEST STANDARD	17
4.2.4 TEST SETUP	18
4.2.5 EUT OPERATING CONDITIONS	19
4.2.6 EUT TEST CONDITIONS	19
4.2.7 TEST RESULTS (9KHZ TO 30MHZ)	20
4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)	20
4.2.9 TEST RESULTS (ABOVE 1000 MHZ)	20
5 . BANDWIDTH TEST	21
5.1 APPLIED PROCEDURES	21
5.1.1 TEST PROCEDURE	21
5.1.2 DEVIATION FROM STANDARD	21
5.1.3 TEST SETUP	21
5.1.4 EUT OPERATION CONDITIONS	21
5.1.5 EUT TEST CONDITIONS	21
5.1.6 TEST RESULTS	21
6 . MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST	22

Table of Contents	Page
6.1 APPLIED PROCEDURES / LIMIT	22
6.1.1 TEST PROCEDURE	22
6.1.2 DEVIATION FROM STANDARD	22
6.1.3 TEST SETUP	22
6.1.4 EUT OPERATION CONDITIONS	22
6.1.5 EUT TEST CONDITIONS	22
6.1.6 TEST RESULTS	22
7 . ANTENNA CONDUCTED SPURIOUS EMISSION	23
7.1 APPLIED PROCEDURES / LIMIT	23
7.1.1 TEST PROCEDURE	23
7.1.2 DEVIATION FROM STANDARD	23
7.1.3 TEST SETUP	23
7.1.4 EUT OPERATION CONDITIONS	23
7.1.5 EUT TEST CONDITIONS	23
7.1.6 TEST RESULTS	23
8 . POWER SPECTRAL DENSITY TEST	24
8.1 APPLIED PROCEDURES / LIMIT	24
8.1.1 TEST PROCEDURE	24
8.1.2 DEVIATION FROM STANDARD	24
8.1.3 TEST SETUP	24
8.1.4 EUT OPERATION CONDITIONS	24
8.1.5 EUT TEST CONDITIONS	24
8.1.6 TEST RESULTS	24
9 . MEASUREMENT INSTRUMENTS LIST	25
10 . EUT TEST PHOTO	27
ATTACHMENT A - CONDUCTED EMISSION	31
ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)	36
ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)	39
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	52
ATTACHMENT E - BANDWIDTH	101
ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER	110
ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION	114
ATTACHMENT H - POWER SPECTRAL DENSITY	133

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1509C160A	Original Issued.	Dec. 24, 2015

1. CERTIFICATION

Equipment : Wireless N ADSL2+ 3G USB Router
Brand Name : D-Link
Model Name : DSL-2750B, DSL-2750U, DSL-2751U, DSL-2751B
Applicant : D-Link Corporation
Manufacturer : D-Link Corporation
Address : 17595 Mt Herrmann, Fountain Valley, California, United States 92708
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 : Sep. 10, 2015 ~ Dec. 23, 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-1-1509C160A) 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 $y \pm U$, 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 N ADSL2+ 3G USB Router	
Brand Name	D-Link	
Model Name	DSL-2750B, DSL-2750U, DSL-2751U, DSL-2751B	
Model Difference	Only differ in model name.	
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 130 Mbps
	Output Power (Max.)	802.11b: 21.01 dBm 802.11g: 22.88 dBm 802.11n(20MHz): 24.98 dBm 802.11n(40MHz): 25.54 dBm
Power Source	DC Voltage supplied from AC/DC adapter. #1 Manufacturer/ Mode: SHENZHEN FRECOM ELECTRONICS CO.,LTD./ F12W8-120100SPAU #2 Manufacturer/ Mode: SHENZHEN FRECOM ELECTRONICS CO.,LTD./ FM120010-US	
Power Rating	#1 I/P: 100-240V~ 50/60Hz 0.3A O/P: DC 12V 1A #2 I/P: 100-240V~ 50/60Hz 0.6A O/P: DC 12V 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 – 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		AN2400-37GXXBO	Dipole	N/A	2	TX/RX
2		AN2400-37GXXBO	Dipole	N/A	2	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=2.
- (2) ANT 1 is 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

Note:

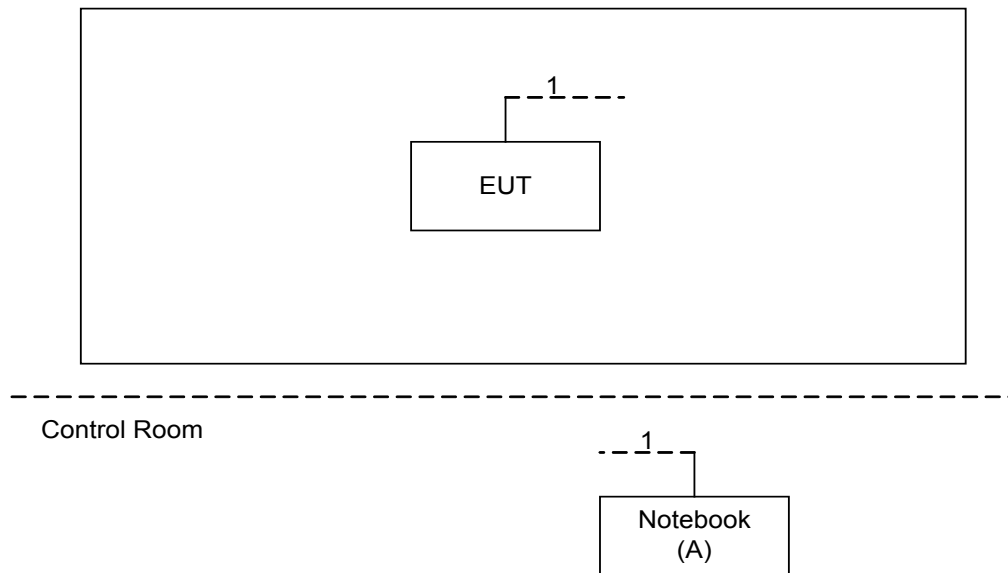
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : BPSK (13Mbps)
 802.11n HT40 mode : BPSK (27Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3) 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	M-tool		
Frequency (MHz)	2412	2437	2462
802.11b	70	70	70
802.11g	53	63	47
802.11n (20MHz)	49	53	46
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	46	54	46

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	HP	HP NB 331	DOC	N/A

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	10m	RJ45 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

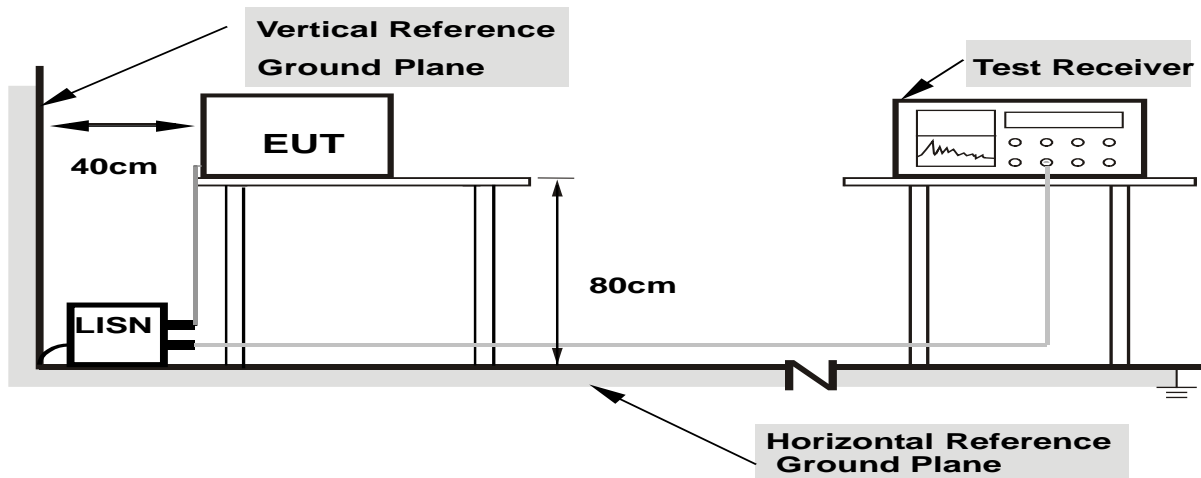
4.1.2 TEST PROCEDURE

- 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

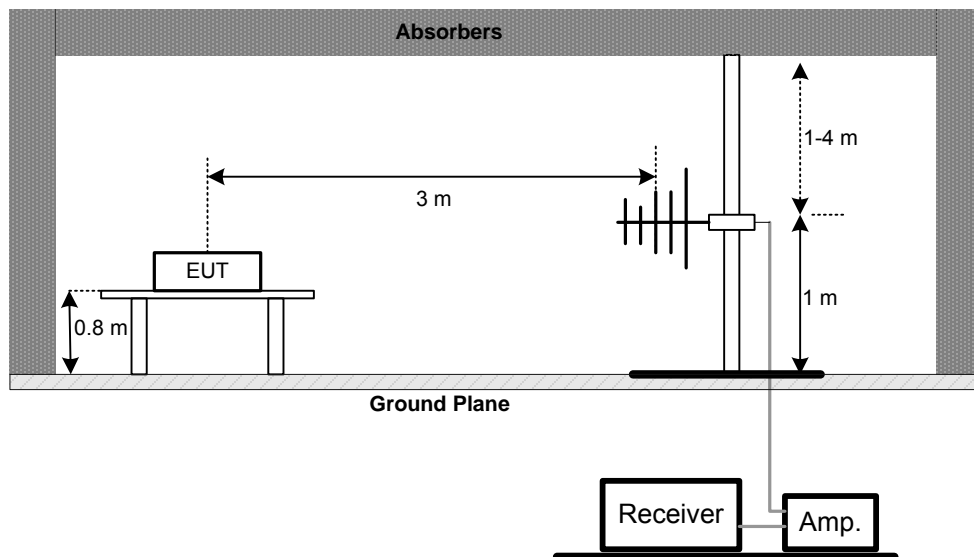
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance 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 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 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

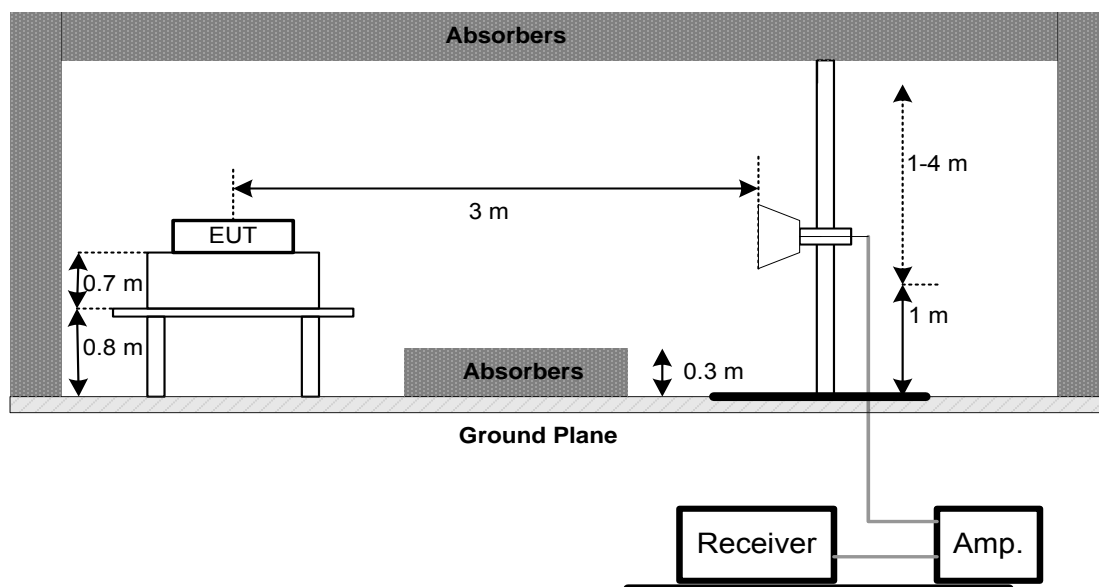
No deviation

4.2.4 TEST SETUP

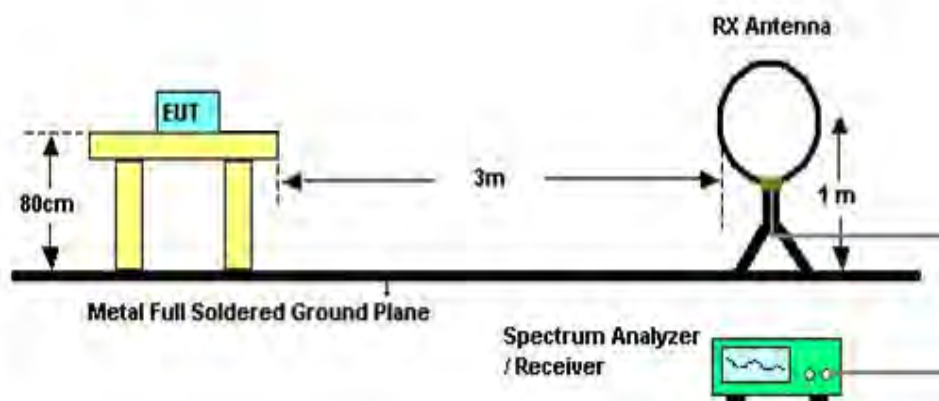
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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

- 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: 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	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. 09, 2016
3	Receiver	AGILENT	N9038A	MY5213003 9	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	Antenna	ETS	3115	00075789	Mar. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Nov. 01, 2016
8	Receiver	AGILENT	N9038A	MY5213003 9	Oct. 11, 2016
9	Test Cable	emci	EMC104-SM-SM-10000(1GHz-26.5GHz)	C-68	Jun. 28, 2016
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 28, 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	power Meter	ANRITSU	ML2495A	1128009	Mar. 28, 2016
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 28, 2016

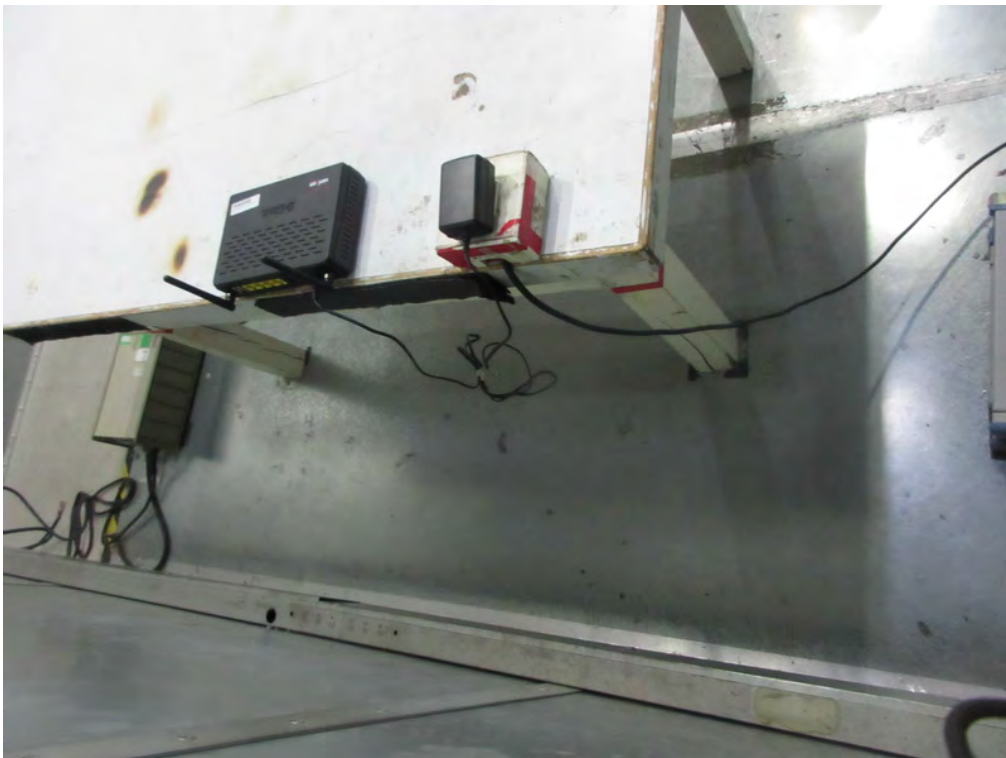
Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016

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



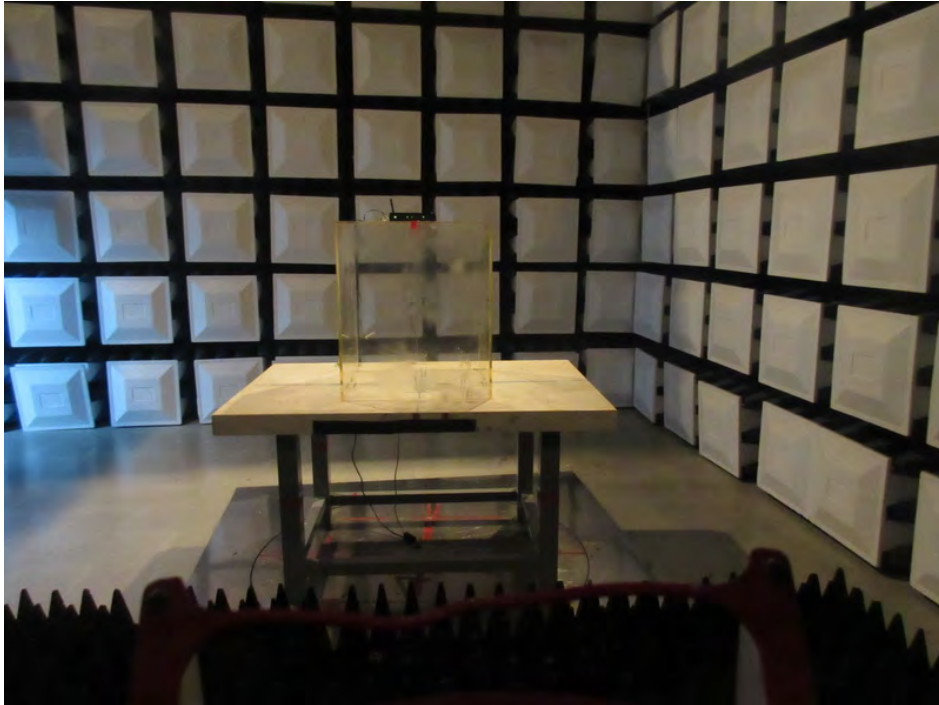
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

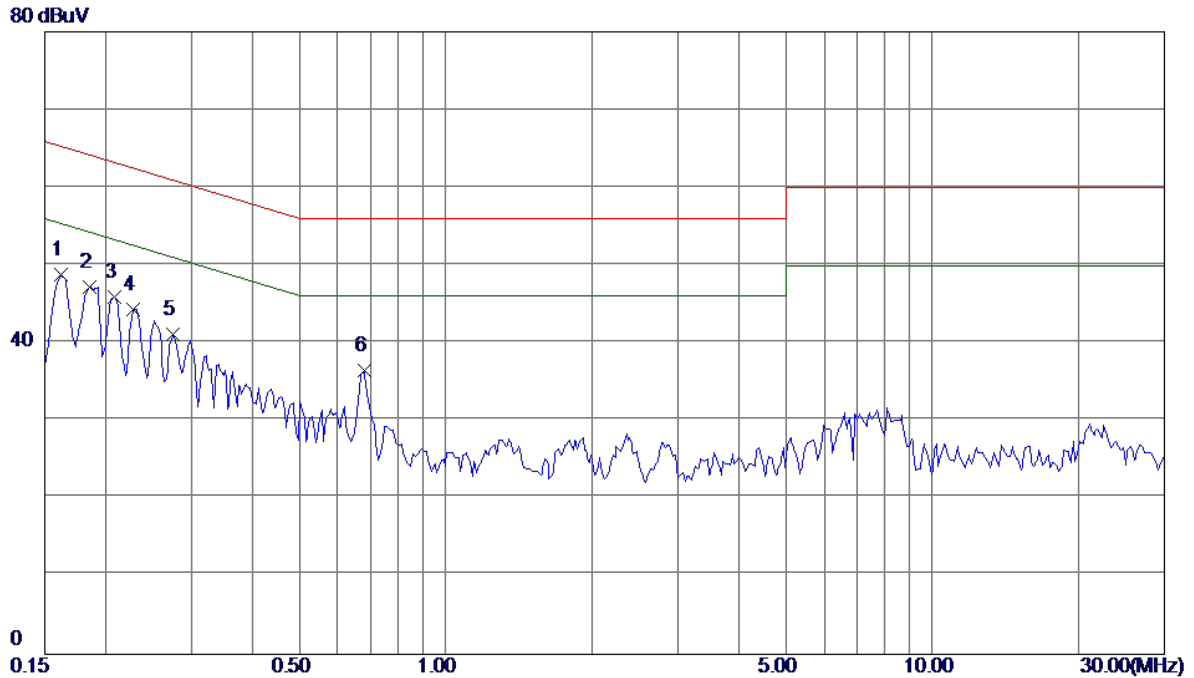
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : Normal Link_Adapter: F12W8-120100SPAU

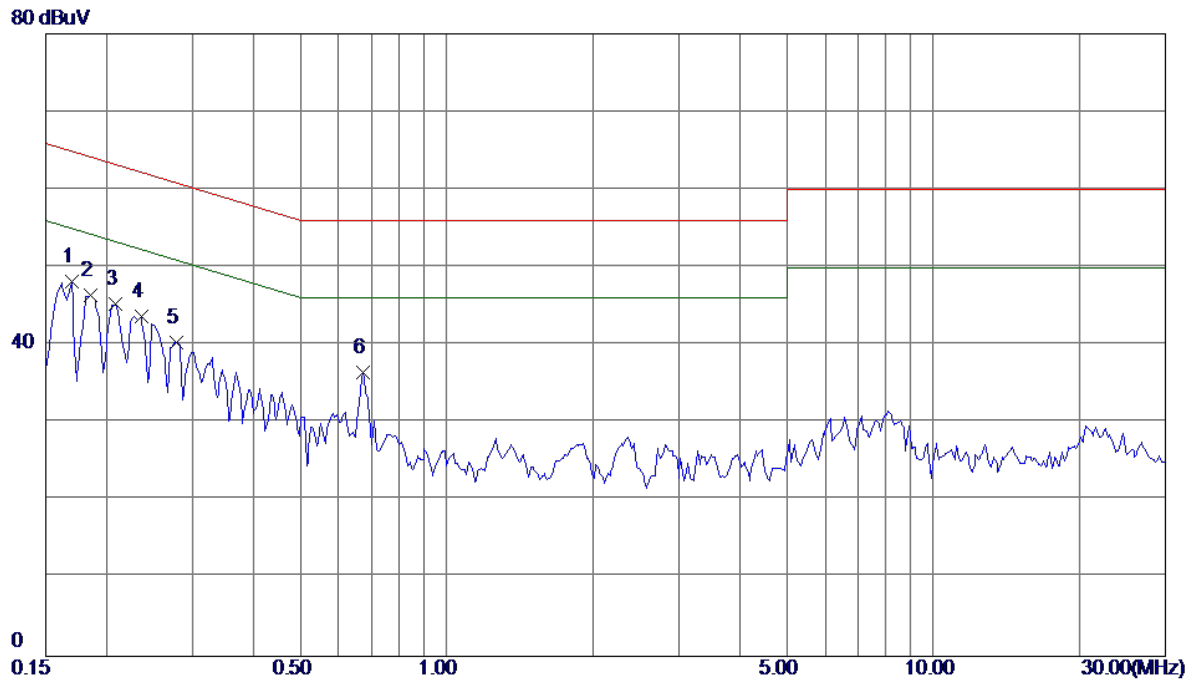
Line



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	0.1617	39.28	9.55	48.83	65.38	-16.55	Peak	
2	0.1852	37.67	9.56	47.23	64.25	-17.02	Peak	
3	0.2086	36.36	9.58	45.94	63.26	-17.32	Peak	
4	0.2281	34.74	9.59	44.33	62.52	-18.19	Peak	
5	0.2750	31.46	9.63	41.09	60.97	-19.88	Peak	
6	0.6813	26.67	9.74	36.41	56.00	-19.59	Peak	

Test Mode : Normal Link_Adapter: F12W8-120100SPAU

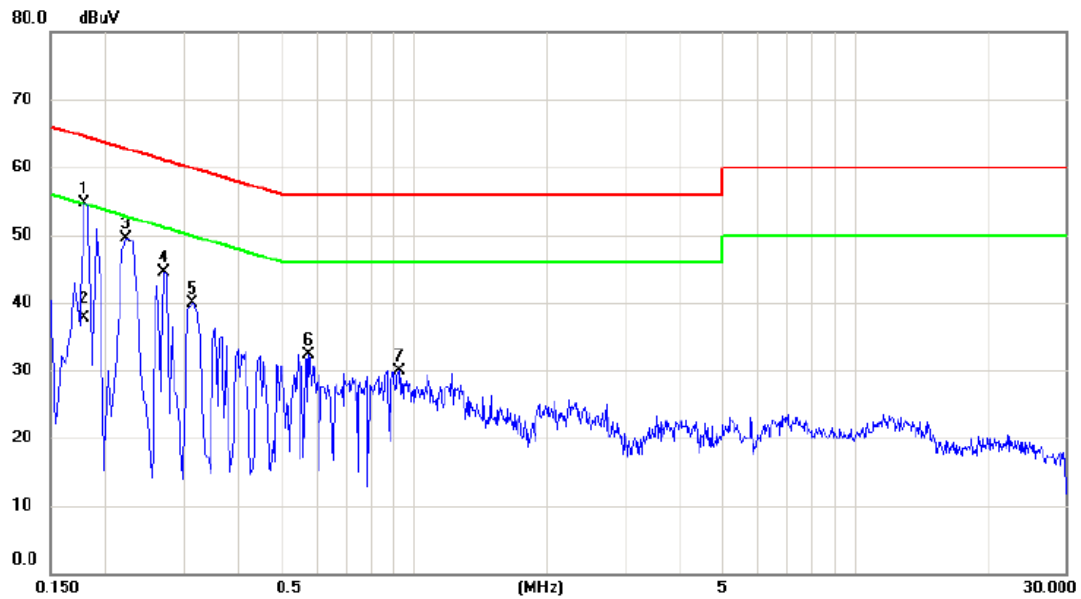
Neutral



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	0.1695	38.69	9.48	48.17	64.98	-16.81	Peak	
2	0.1852	36.89	9.49	46.38	64.25	-17.87	Peak	
3	0.2086	35.73	9.50	45.23	63.26	-18.03	Peak	
4	0.2359	34.17	9.51	43.68	62.24	-18.56	Peak	
5	0.2789	30.84	9.52	40.36	60.85	-20.49	Peak	
6	0.6734	27.00	9.54	36.54	56.00	-19.46	Peak	

Test Mode : Normal Link_Adapter: FM120010-US

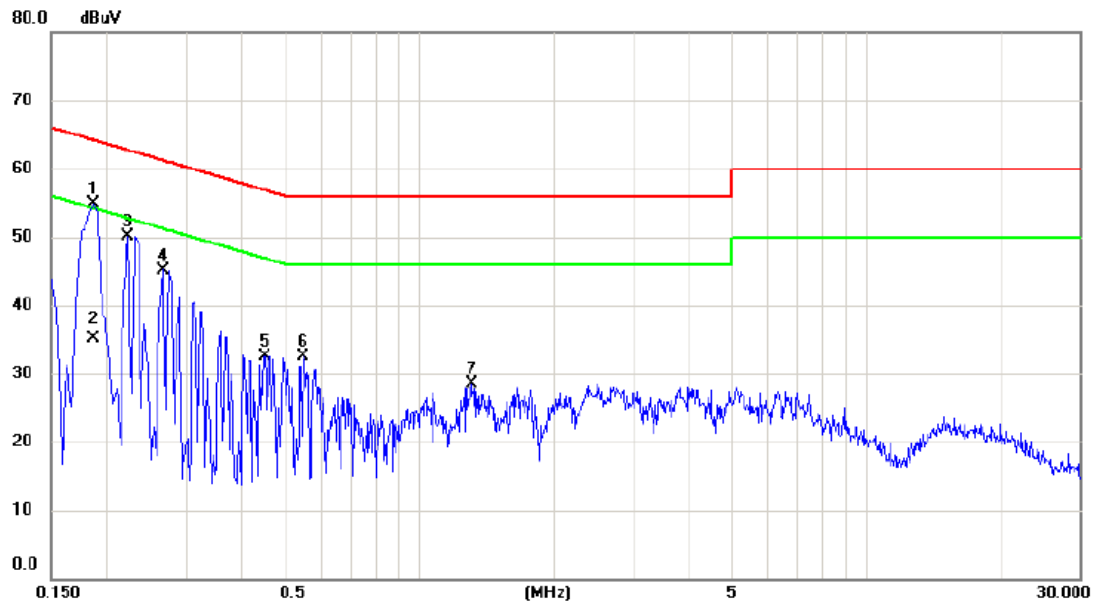
Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1780	45.17	9.56	54.73	64.58	-9.85	peak	
2		0.1780	28.20	9.56	37.76	54.58	-16.82	AVG	
3		0.2220	39.88	9.59	49.47	62.74	-13.27	peak	
4		0.2700	34.86	9.62	44.48	61.12	-16.64	peak	
5		0.3140	30.35	9.64	39.99	59.86	-19.87	peak	
6		0.5780	22.67	9.71	32.38	56.00	-23.62	peak	
7		0.9220	20.16	9.78	29.94	56.00	-26.06	peak	

Test Mode : Normal Link_Adapter: FM120010-US

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1860	45.34	9.49	54.83	64.21	-9.38	peak	
2		0.1860	25.70	9.49	35.19	54.21	-19.02	AVG	
3		0.2220	40.60	9.50	50.10	62.74	-12.64	peak	
4		0.2660	35.69	9.51	45.20	61.24	-16.04	peak	
5		0.4500	22.98	9.55	32.53	56.88	-24.35	peak	
6		0.5500	22.94	9.56	32.50	56.00	-23.50	peak	
7		1.3060	18.78	9.64	28.42	56.00	-27.58	peak	

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

Test Mode:	TX B MODE CHANNEL 01_Adapter: F12W8-120100SPAU
------------	--

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0095	0°	13.32	24.9650	38.2850	128.0498	-89.7648	AVG
0.0095	0°	14.17	24.9650	39.1350	148.0498	-108.9148	PEAK
0.0275	0°	6.65	23.8250	30.4750	118.8176	-88.3426	AVG
0.0275	0°	8.03	23.8250	31.8550	138.8176	-106.9626	PEAK
0.0384	0°	3.39	23.1347	26.5247	115.9176	-89.3929	AVG
0.0384	0°	5.62	23.1347	28.7547	135.9176	-107.1629	PEAK
0.0566	0°	1.25	22.2680	23.5180	112.5479	-89.0299	AVG
0.0566	0°	2.63	22.2680	24.8980	132.5479	-107.6499	PEAK
0.5201	0°	19.58	19.8643	39.4443	73.2825	-33.8382	QP
1.8993	0°	23.47	19.5101	42.9801	69.5400	-26.5599	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0147	90°	13.25	24.3000	37.5500	124.2579	-86.7079	AVG
0.0147	90°	15.07	24.3000	39.3700	144.2579	-104.8879	PEAK
0.0286	90°	7.49	23.7553	31.2453	118.4769	-87.2316	AVG
0.0286	90°	9.13	23.7553	32.8853	138.4769	-105.5916	PEAK
0.0477	90°	5.36	22.5457	27.9057	114.0339	-86.1282	AVG
0.0477	90°	6.32	22.5457	28.8657	134.0339	-105.1682	PEAK
0.0593	90°	1.74	22.2140	23.9540	112.1431	-88.1891	AVG
0.0593	90°	2.98	22.2140	25.1940	132.1431	-106.9491	PEAK
0.5981	90°	22.34	20.1139	42.4539	72.0687	-29.6148	QP
2.1305	90°	24.85	19.4217	44.2717	69.5400	-25.2683	QP

Test Mode:	TX B MODE CHANNEL 01_Adapter: FM120010-US
------------	---

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0123	0°	12.18	24.7877	36.9677	125.8061	-88.8385	AVG
0.0123	0°	14.42	24.7877	39.2077	145.8061	-106.5985	PEAK
0.0292	0°	6.35	23.7173	30.0673	118.2966	-88.2292	AVG
0.0292	0°	8.24	23.7173	31.9573	138.2966	-106.3392	PEAK
0.0376	0°	3.25	23.1853	26.4353	116.1005	-89.6651	AVG
0.0376	0°	5.37	23.1853	28.5553	136.1005	-107.5451	PEAK
0.0547	0°	1.26	22.3060	23.5660	112.8445	-89.2785	AVG
0.0547	0°	2.62	22.3060	24.9260	132.8445	-107.9185	PEAK
0.5075	0°	19.39	19.8240	39.2140	73.4955	-34.2815	QP
1.9581	0°	23.64	19.5042	43.1442	69.5400	-26.3958	QP

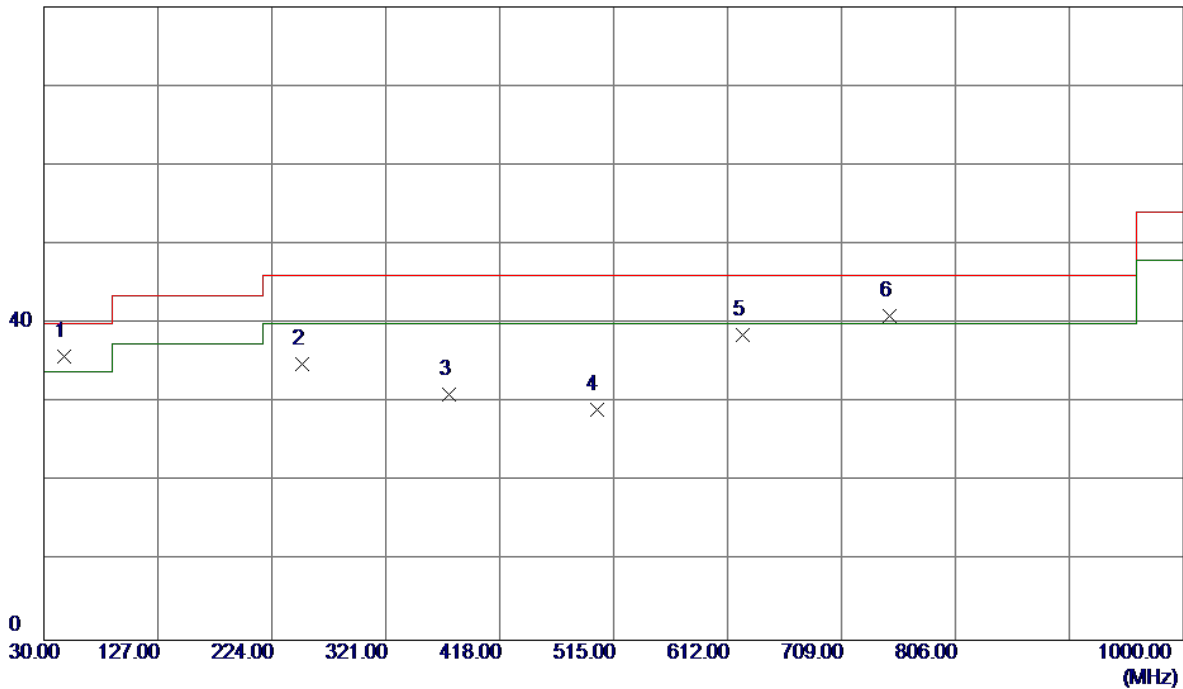
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.01350	90°	11.34	24.3000	35.6400	124.9975	-89.3575	AVG
0.01350	90°	13.71	24.3000	38.0100	144.9975	-106.9875	PEAK
0.03050	90°	7.41	23.6350	31.0450	117.9182	-86.8732	AVG
0.03050	90°	8.78	23.6350	32.4150	137.9182	-105.5032	PEAK
0.04180	90°	4.23	22.9193	27.1493	115.1807	-88.0314	AVG
0.04180	90°	6.48	22.9193	29.3993	135.1807	-105.7814	PEAK
0.05660	90°	1.06	22.2680	23.3280	112.5479	-89.2199	AVG
0.05660	90°	2.14	22.2680	24.4080	132.5479	-108.1399	PEAK
0.62730	90°	22.21	20.2074	42.4174	71.6547	-29.2374	QP
2.05680	90°	24.17	19.4659	43.6359	69.5400	-25.9041	QP

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

Test Mode: TX B MODE CHANNEL 01_Adapter: F12W8-120100SPAU

Vertical

80 dBuV/m

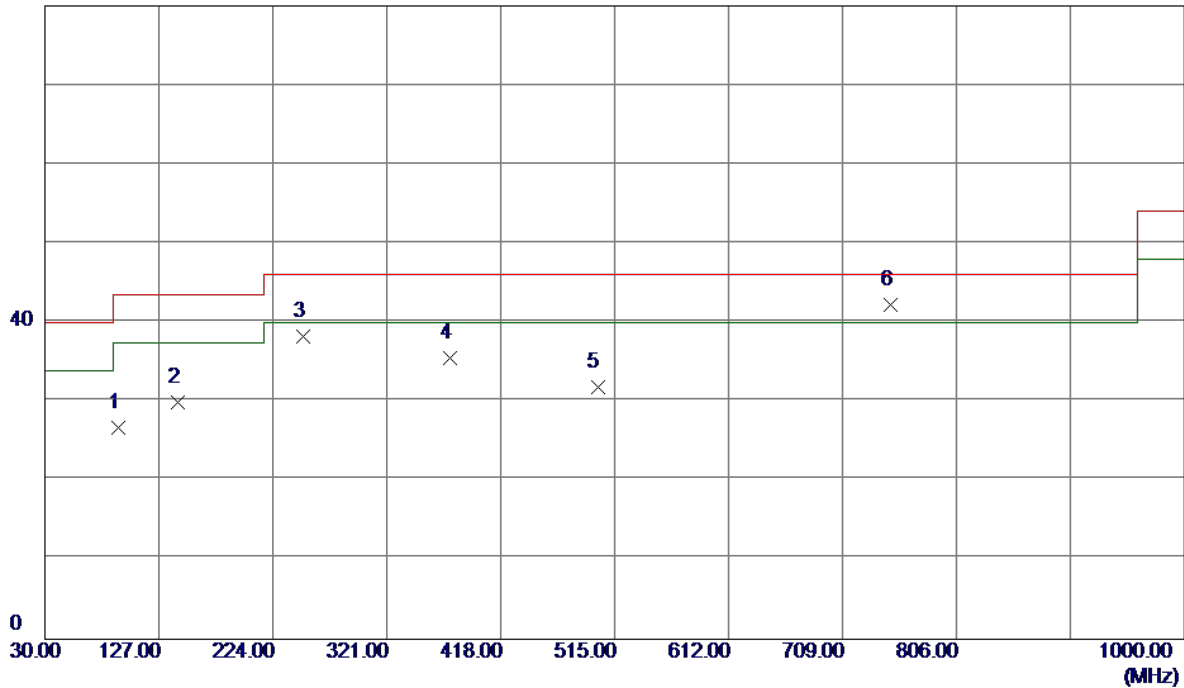


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	47.4600	49.45	-13.62	35.83	40.00	-4.17	Peak	
2	250.1900	49.18	-14.30	34.88	46.00	-11.12	Peak	
3	375.3200	41.43	-10.32	31.11	46.00	-14.89	Peak	
4	500.4500	39.07	-9.95	29.12	46.00	-16.88	Peak	
5	624.6100	45.11	-6.51	38.60	46.00	-7.40	Peak	
6	749.7400	45.55	-4.60	40.95	46.00	-5.05	Peak	

Test Mode: TX B MODE CHANNEL 01_Adapter: F12W8-120100SPAU

Horizontal

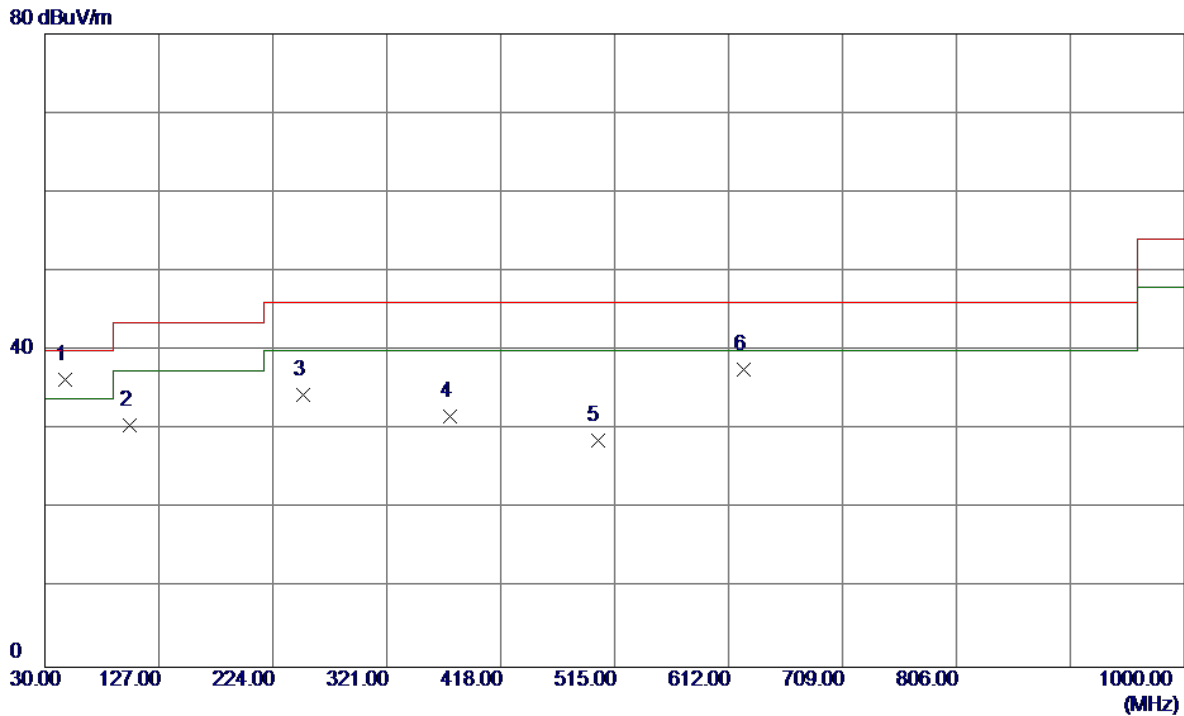
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	92.0800	43.47	-16.80	26.67	43.50	-16.83	Peak	
2	143.4900	43.64	-13.71	29.93	43.50	-13.57	Peak	
3	250.1900	52.57	-14.30	38.27	46.00	-7.73	Peak	
4	375.3200	45.81	-10.32	35.49	46.00	-10.51	Peak	
5	500.4500	41.74	-9.95	31.79	46.00	-14.21	Peak	
6	749.7400	46.78	-4.60	42.18	46.00	-3.82	Peak	

Test Mode: TX B MODE CHANNEL 06_Adapter: F12W8-120100SPAU

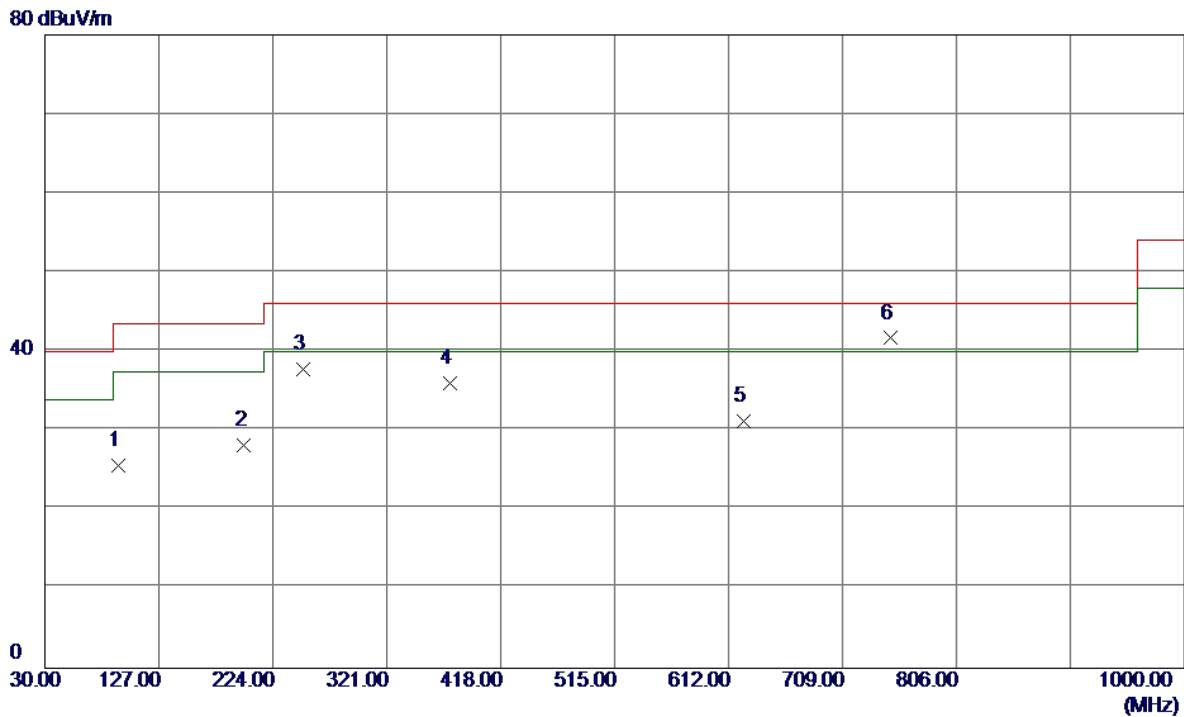
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	47.4600	49.95	-13.62	36.33	40.00	-3.67	Peak	
2	101.7800	46.51	-15.88	30.63	43.50	-12.87	Peak	
3	250.1900	48.68	-14.30	34.38	46.00	-11.62	Peak	
4	375.3200	41.93	-10.32	31.61	46.00	-14.39	Peak	
5	500.4500	38.57	-9.95	28.62	46.00	-17.38	Peak	
6	624.6100	44.11	-6.51	37.60	46.00	-8.40	Peak	

Test Mode: TX B MODE CHANNEL 06_Adapter: F12W8-120100SPAU

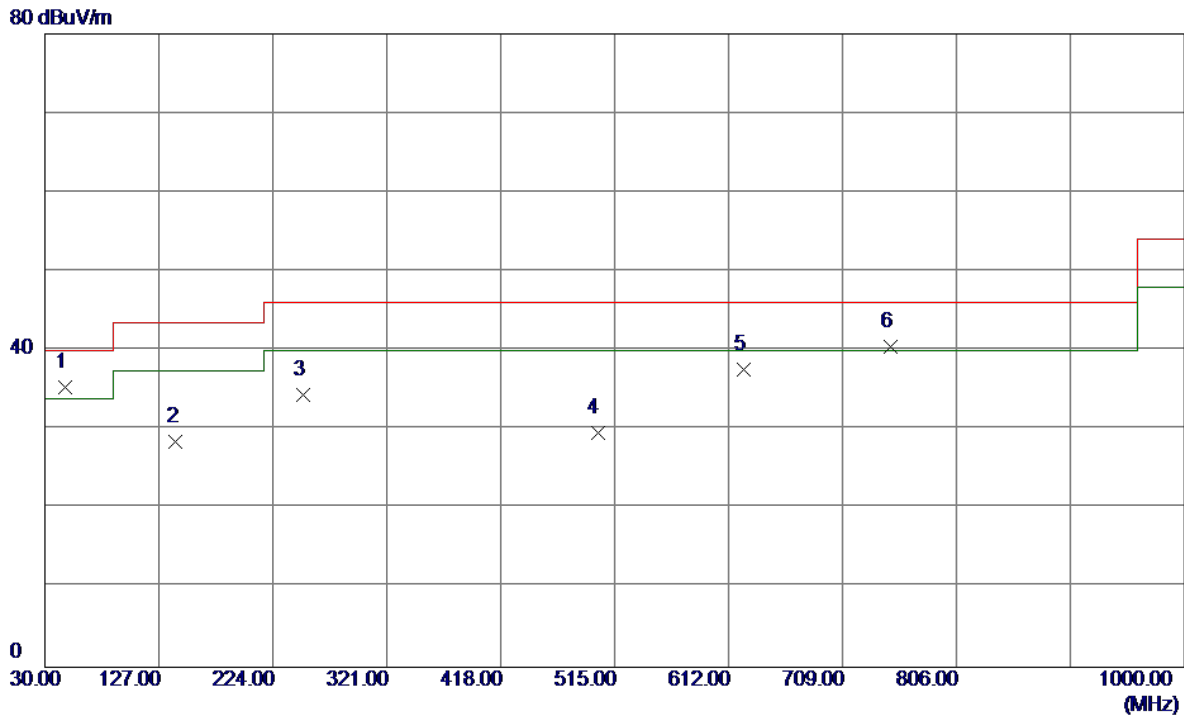
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	92.0800	42.47	-16.80	25.67	43.50	-17.83	Peak	
2	199.7500	43.29	-15.13	28.16	43.50	-15.34	Peak	
3	250.1900	52.07	-14.30	37.77	46.00	-8.23	Peak	
4	375.3200	46.31	-10.32	35.99	46.00	-10.01	Peak	
5	624.6100	37.69	-6.51	31.18	46.00	-14.82	Peak	
6	749.7400	46.28	-4.60	41.68	46.00	-4.32	Peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: F12W8-120100SPAU

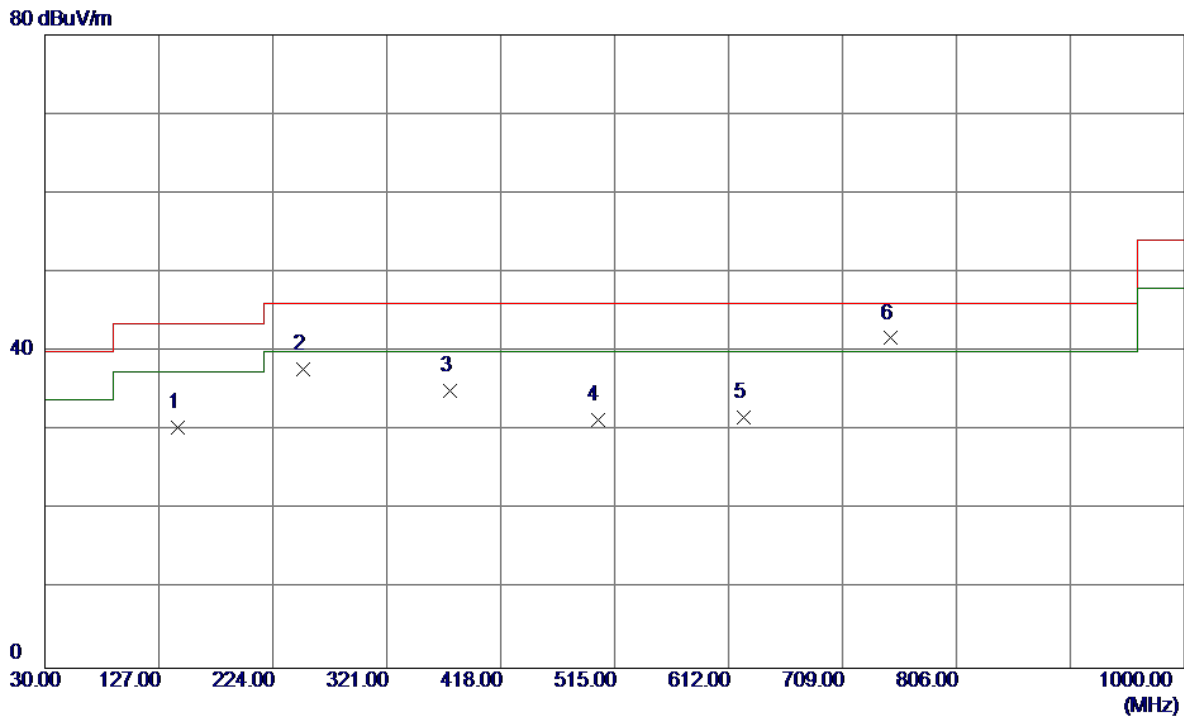
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	47.4600	48.95	-13.62	35.33	40.00	-4.67	Peak	
2	141.5500	42.44	-13.92	28.52	43.50	-14.98	Peak	
3	250.1900	48.68	-14.30	34.38	46.00	-11.62	Peak	
4	500.4500	39.57	-9.95	29.62	46.00	-16.38	Peak	
5	624.6100	44.11	-6.51	37.60	46.00	-8.40	Peak	
6	749.7400	45.05	-4.60	40.45	46.00	-5.55	Peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: F12W8-120100SPAU

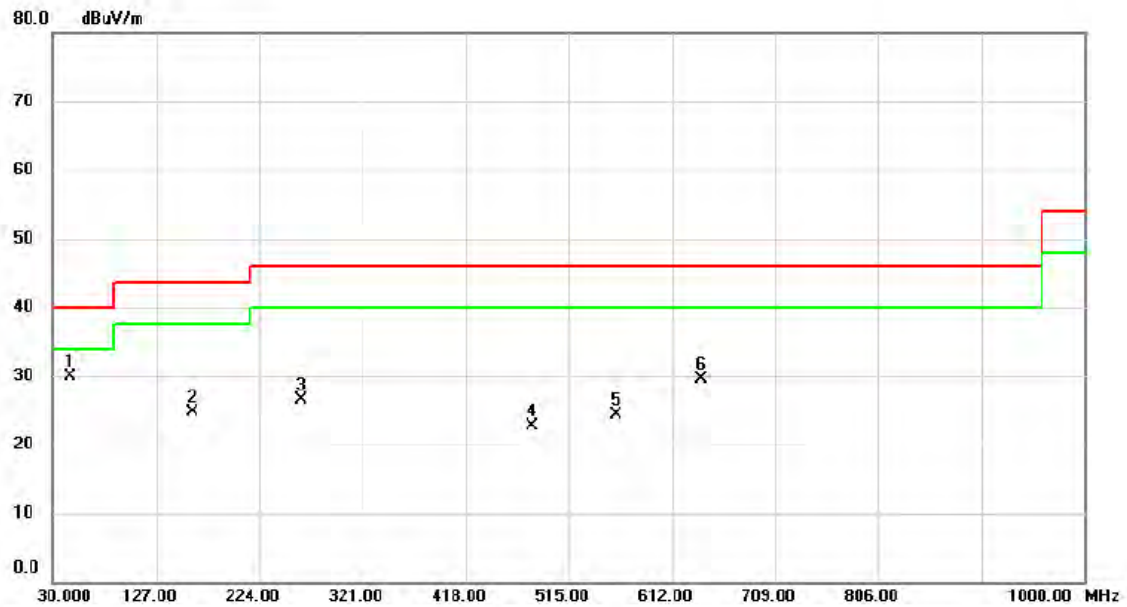
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	143.4900	44.14	-13.71	30.43	43.50	-13.07	Peak	
2	250.1900	52.07	-14.30	37.77	46.00	-8.23	Peak	
3	375.3200	45.31	-10.32	34.99	46.00	-11.01	Peak	
4	500.4500	41.24	-9.95	31.29	46.00	-14.71	Peak	
5	624.6100	38.19	-6.51	31.68	46.00	-14.32	Peak	
6	749.7400	46.28	-4.60	41.68	46.00	-4.32	Peak	

Test Mode: TX B MODE CHANNEL 01_Adapter: FM120010-US

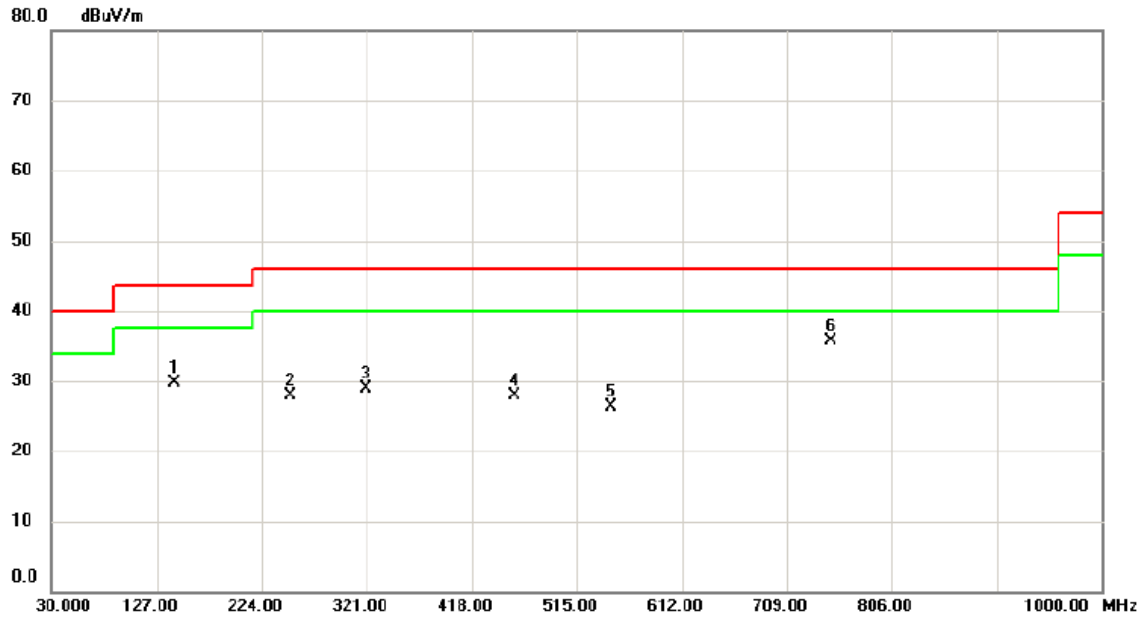
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	46.4900	43.21	-13.32	29.89	40.00	-10.11	peak	
2		160.9500	37.19	-12.47	24.72	43.50	-18.78	peak	
3		262.8000	40.70	-14.14	26.56	46.00	-19.44	peak	
4		480.0800	31.84	-9.21	22.63	46.00	-23.37	peak	
5		559.6200	29.96	-5.67	24.29	46.00	-21.71	peak	
6		640.1300	35.20	-5.65	29.55	46.00	-16.45	peak	

Test Mode: TX B MODE CHANNEL 01_Adapter: FM120010-US

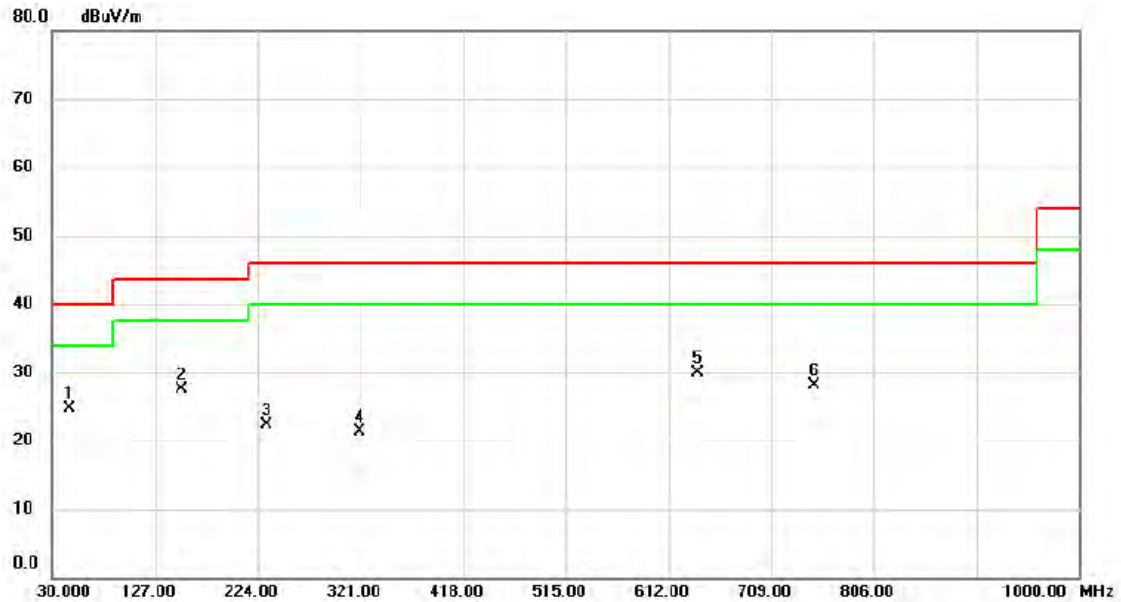
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		143.4900	43.45	-13.71	29.74	43.50	-13.76	peak	
2		250.1900	42.27	-14.30	27.97	46.00	-18.03	peak	
3		320.0300	39.81	-10.84	28.97	46.00	-17.03	peak	
4		456.8000	36.29	-8.31	27.98	46.00	-18.02	peak	
5		546.0400	31.80	-5.52	26.28	46.00	-19.72	peak	
6	*	749.7400	40.25	-4.60	35.65	46.00	-10.35	peak	

Test Mode: TX B MODE CHANNEL 06_Adapter: FM120010-US

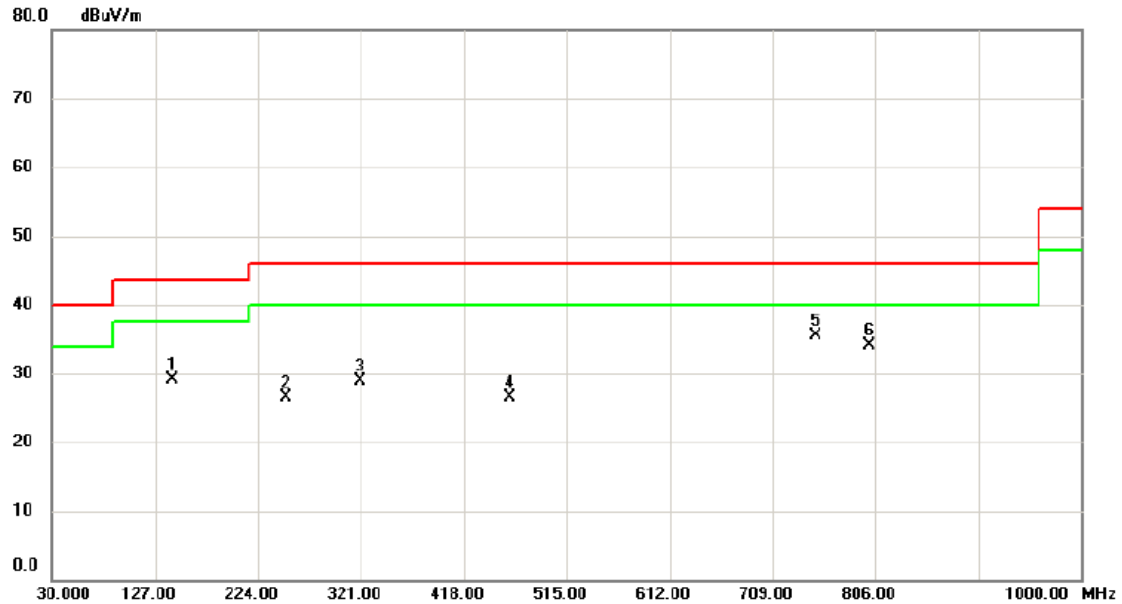
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	46.4900	38.00	-13.32	24.68	40.00	-15.32	peak	
2		152.2200	40.42	-12.88	27.54	43.50	-15.96	peak	
3		231.7600	36.55	-14.31	22.24	46.00	-23.76	peak	
4		320.0300	32.23	-10.84	21.39	46.00	-24.61	peak	
5		640.1300	35.63	-5.65	29.98	46.00	-16.02	peak	
6		749.7400	32.75	-4.60	28.15	46.00	-17.85	peak	

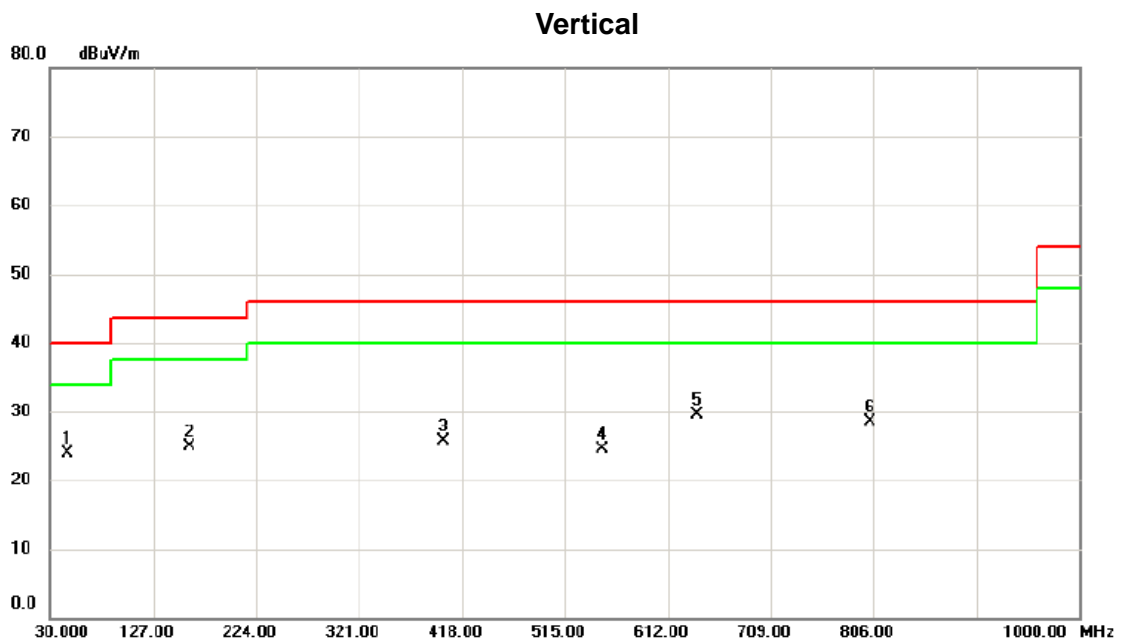
Test Mode: TX B MODE CHANNEL 06_Adapter: FM120010-US

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		143.4900	42.74	-13.71	29.03	43.50	-14.47	peak	
2		250.1900	40.90	-14.30	26.60	46.00	-19.40	peak	
3		320.0300	39.81	-10.84	28.97	46.00	-17.03	peak	
4		460.6800	34.87	-8.46	26.41	46.00	-19.59	peak	
5	*	749.7400	40.14	-4.60	35.54	46.00	-10.46	peak	
6		800.1800	36.17	-2.08	34.09	46.00	-11.91	peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: FM120010-US



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	46.4900	37.24	-13.32	23.92	40.00	-16.08	peak	
2		160.9500	37.31	-12.47	24.84	43.50	-18.66	peak	
3		400.5400	34.99	-9.30	25.69	46.00	-20.31	peak	
4		550.8900	29.66	-5.19	24.47	46.00	-21.53	peak	
5		640.1300	35.16	-5.65	29.51	46.00	-16.49	peak	
6		802.1200	30.68	-2.15	28.53	46.00	-17.47	peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: FM120010-US

Horizontal



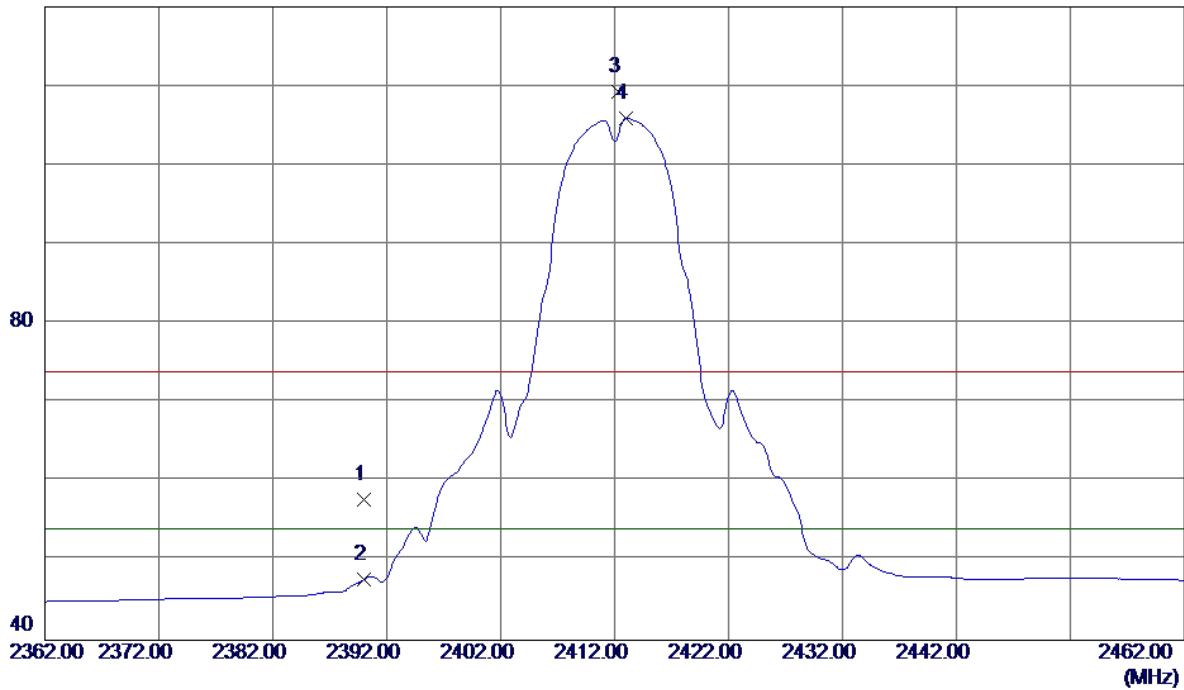
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		139.6100	43.43	-14.03	29.40	43.50	-14.10	peak	
2		250.1900	41.93	-14.30	27.63	46.00	-18.37	peak	
3		320.0300	40.42	-10.84	29.58	46.00	-16.42	peak	
4		448.0700	34.94	-8.10	26.84	46.00	-19.16	peak	
5	*	749.7400	40.22	-4.60	35.62	46.00	-10.38	peak	
6		813.7600	36.46	-2.62	33.84	46.00	-12.16	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

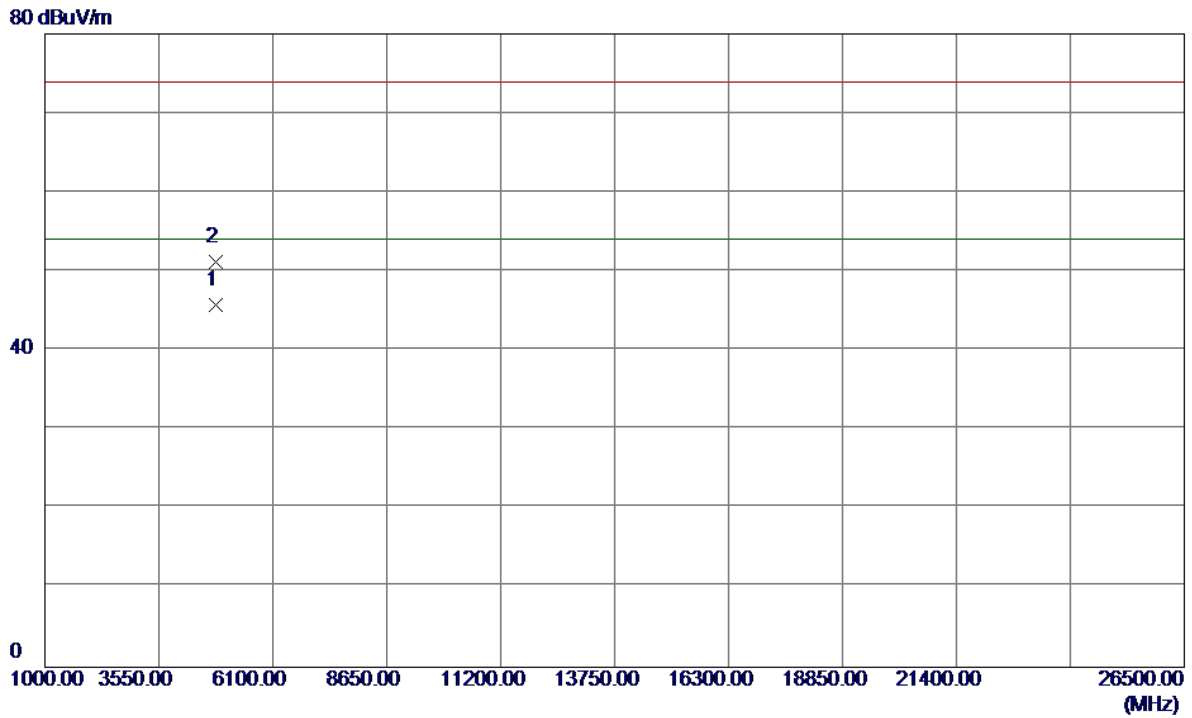
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	25.04	32.68	57.72	74.00	-16.28	Peak	
2	2390.0000	14.97	32.68	47.65	54.00	-6.35	AVG	
3	2412.3000	76.55	32.71	109.26	74.00	35.26	Peak	NO LIMIT
4	2413.0000	73.25	32.71	105.96	54.00	51.96	AVG	NO LIMIT

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

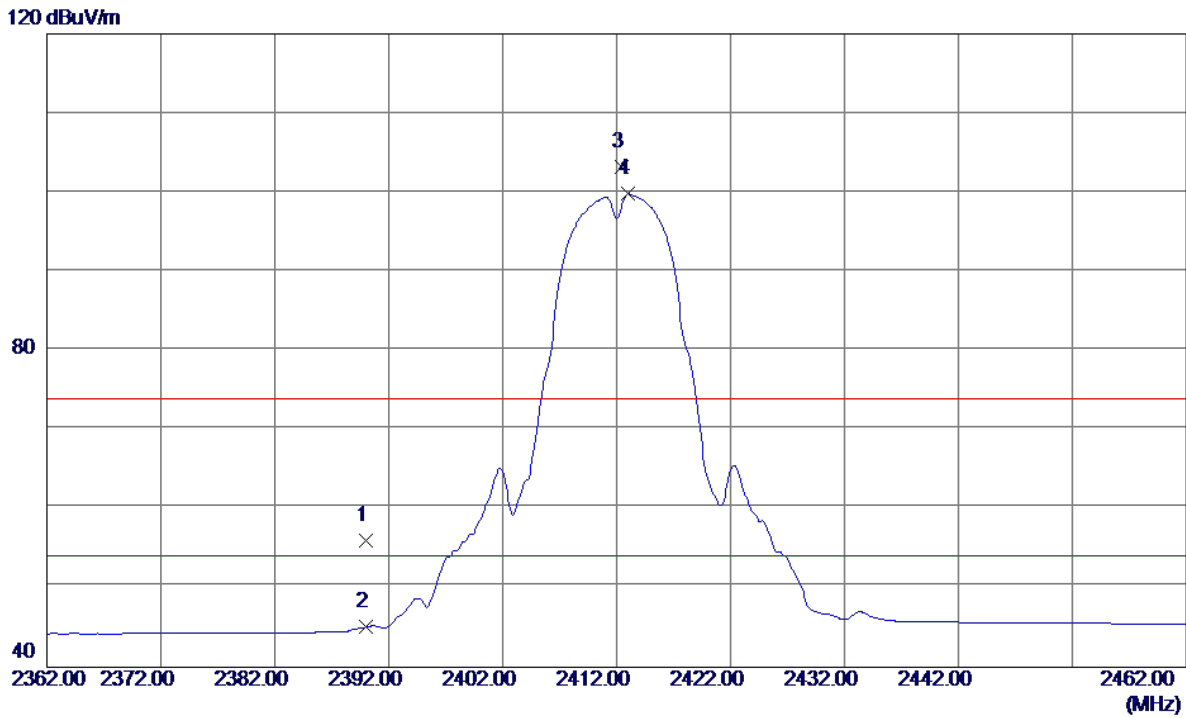
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4823.9800	39.87	5.87	45.74	54.00	-8.26	AVG	
2	4824.0000	45.37	5.87	51.24	74.00	-22.76	Peak	

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

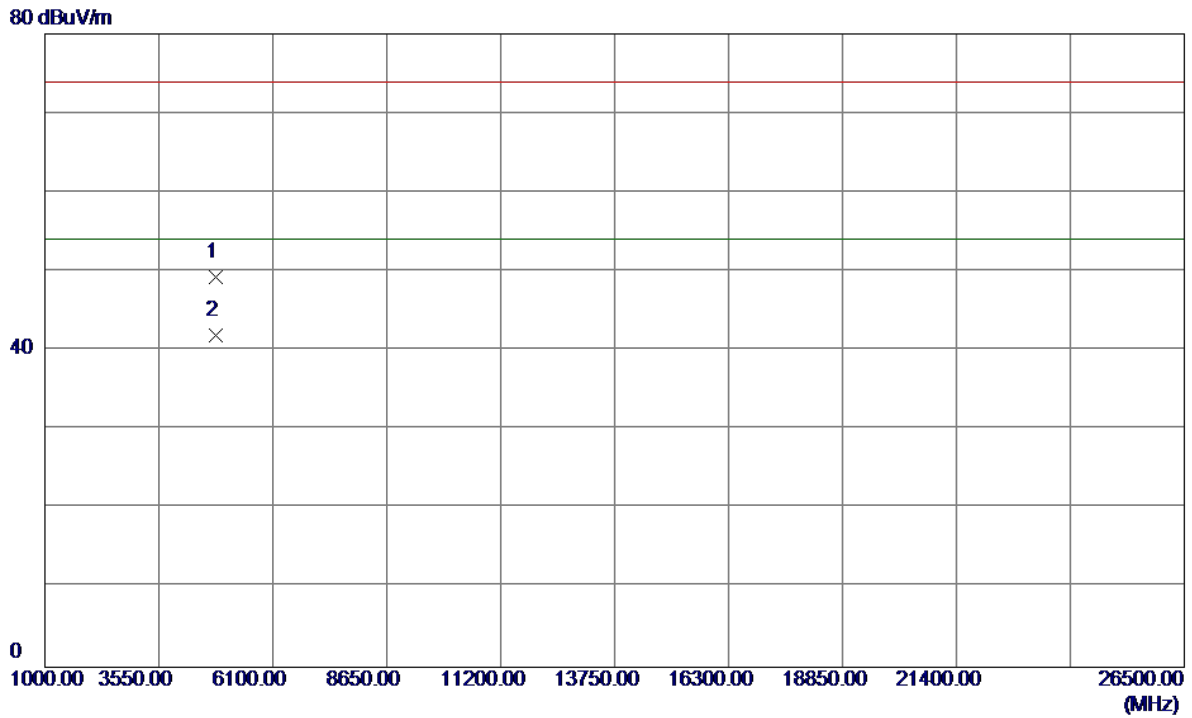
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	23.32	32.68	56.00	74.00	-18.00	Peak	
2	2390.0000	12.40	32.68	45.08	54.00	-8.92	AVG	
3	2412.4000	70.53	32.71	103.24	74.00	29.24	Peak	NO LIMIT
4	2413.0000	67.06	32.71	99.77	54.00	45.77	AVG	NO LIMIT

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

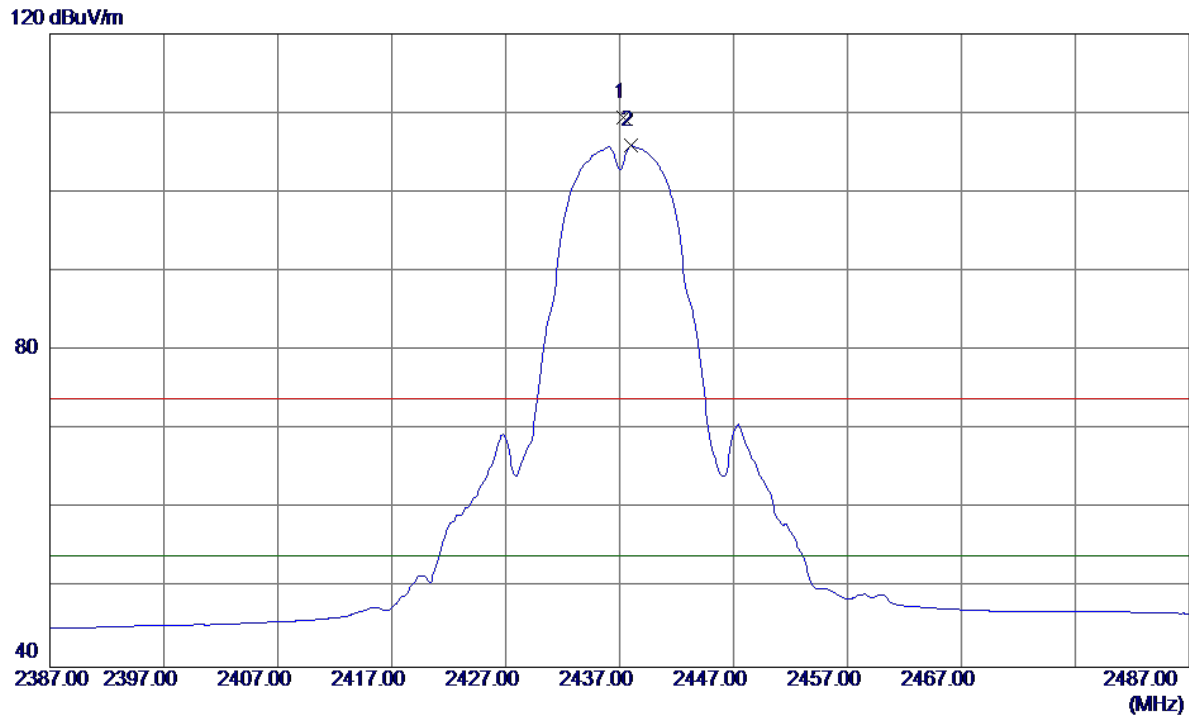
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4823.8800	43.35	5.87	49.22	74.00	-24.78	Peak	
2	4823.9800	36.04	5.87	41.91	54.00	-12.09	AVG	

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

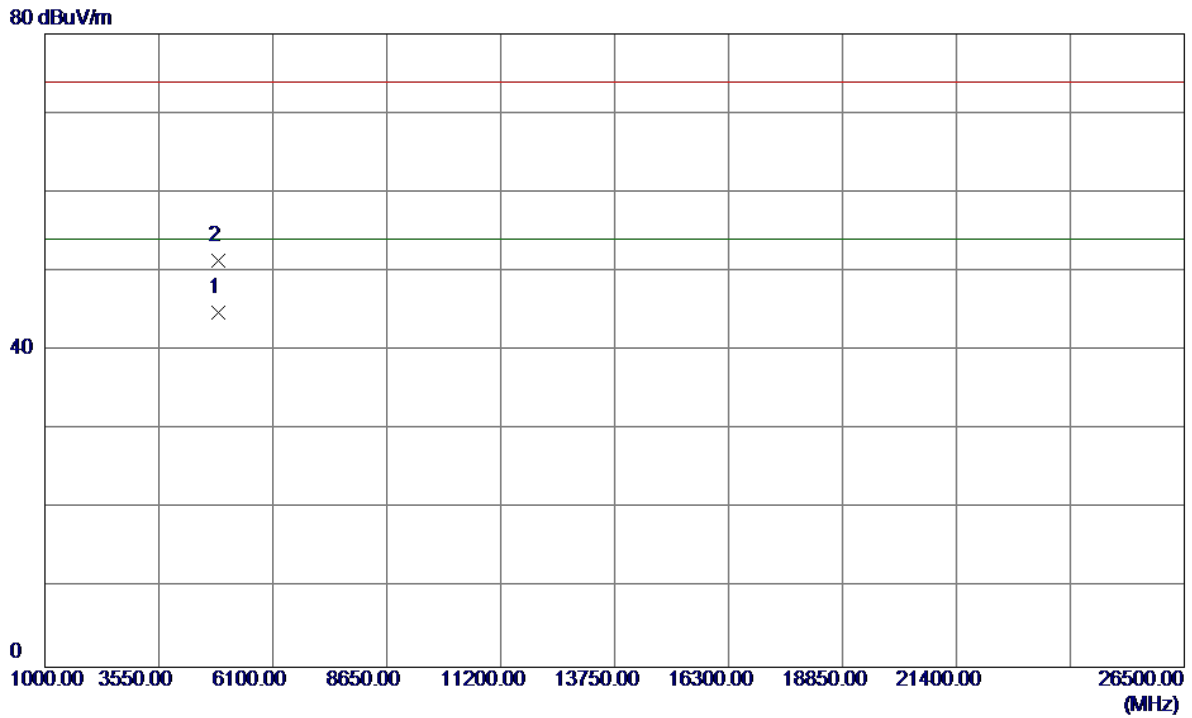
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2437.3000	76.68	32.74	109.42	74.00	35.42	Peak	NO LIMIT
2	2438.0000	73.15	32.74	105.89	54.00	51.89	AVG	NO LIMIT

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

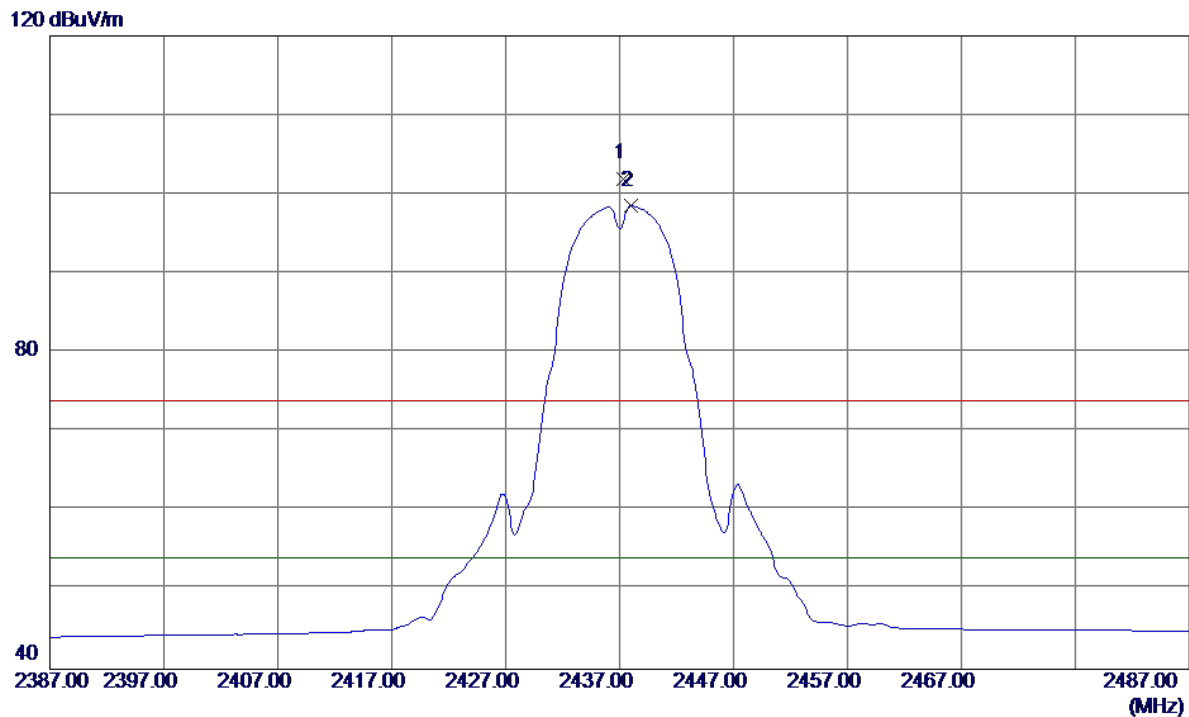
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.9800	38.80	6.00	44.80	54.00	-9.20	AVG	
2	4874.3000	45.42	6.00	51.42	74.00	-22.58	Peak	

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

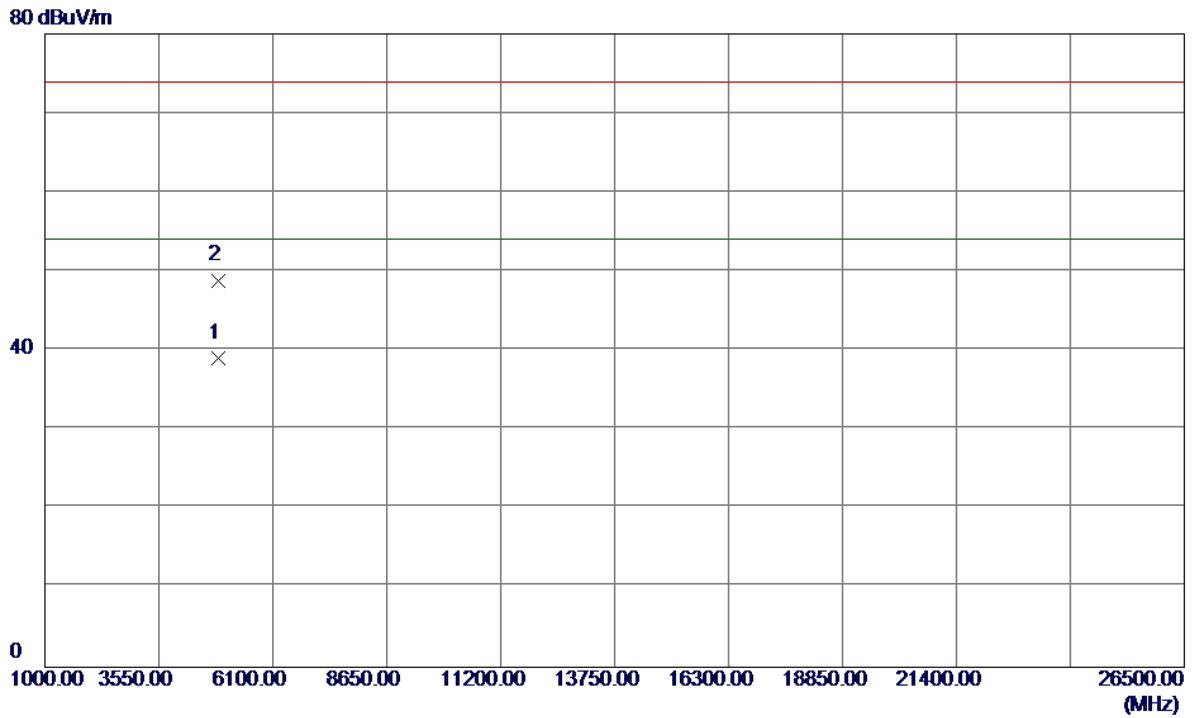
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2437.3000	69.26	32.74	102.00	74.00	28.00	Peak	NO LIMIT
2	2438.0000	65.82	32.74	98.56	54.00	44.56	AVG	NO LIMIT

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

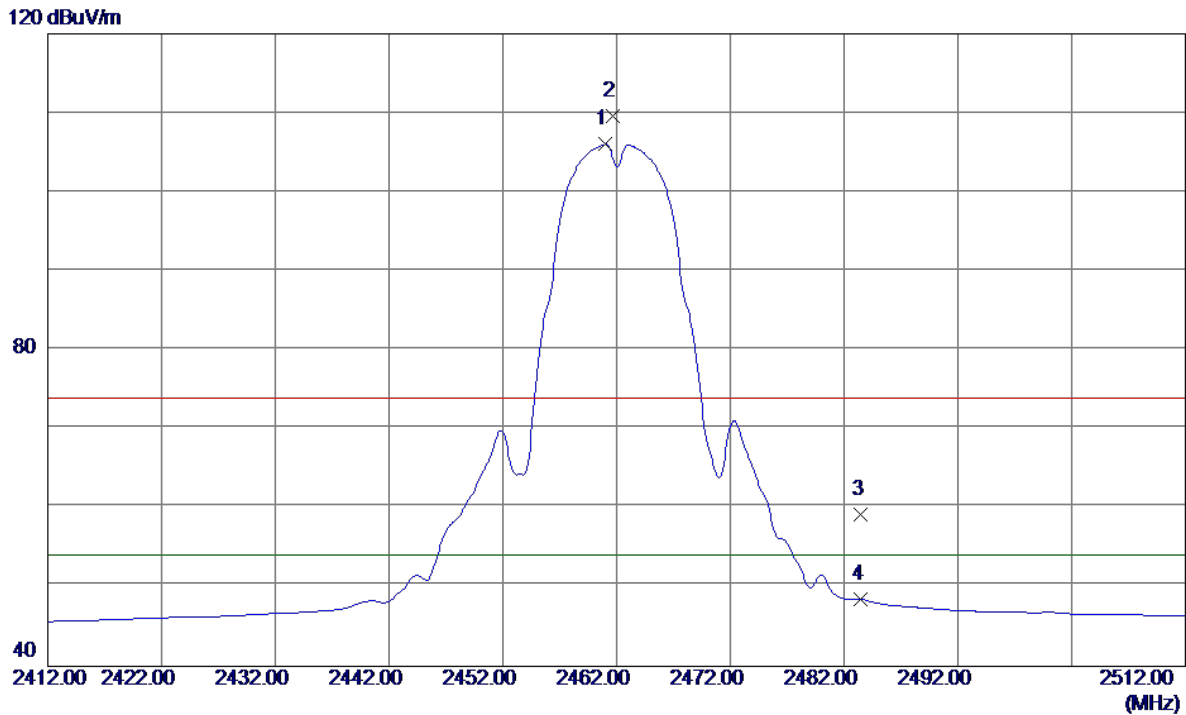
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.9800	33.10	6.00	39.10	54.00	-14.90	AVG	
2	4873.9400	42.88	6.00	48.88	74.00	-25.12	Peak	

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

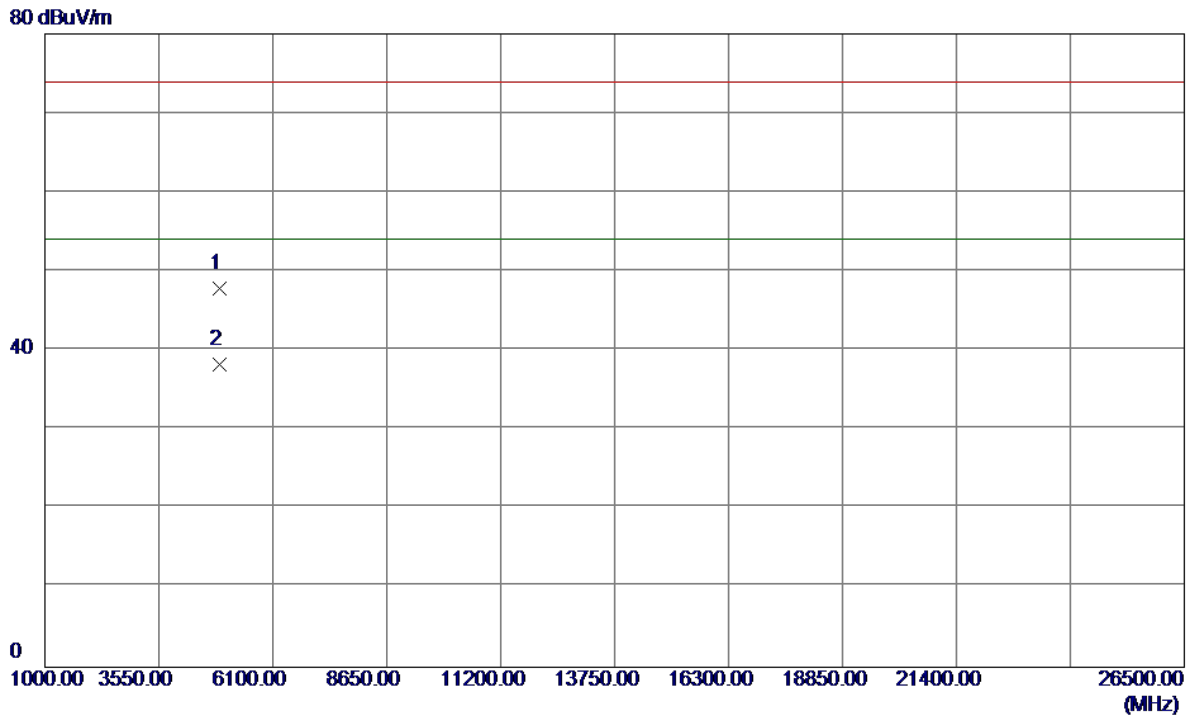
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2461.0000	73.24	32.78	106.02	54.00	52.02	AVG	NO LIMIT
2	2461.7000	76.80	32.78	109.58	74.00	35.58	Peak	NO LIMIT
3	2483.5000	26.34	32.81	59.15	74.00	-14.85	Peak	
4	2483.5000	15.68	32.81	48.49	54.00	-5.51	AVG	

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

Vertical

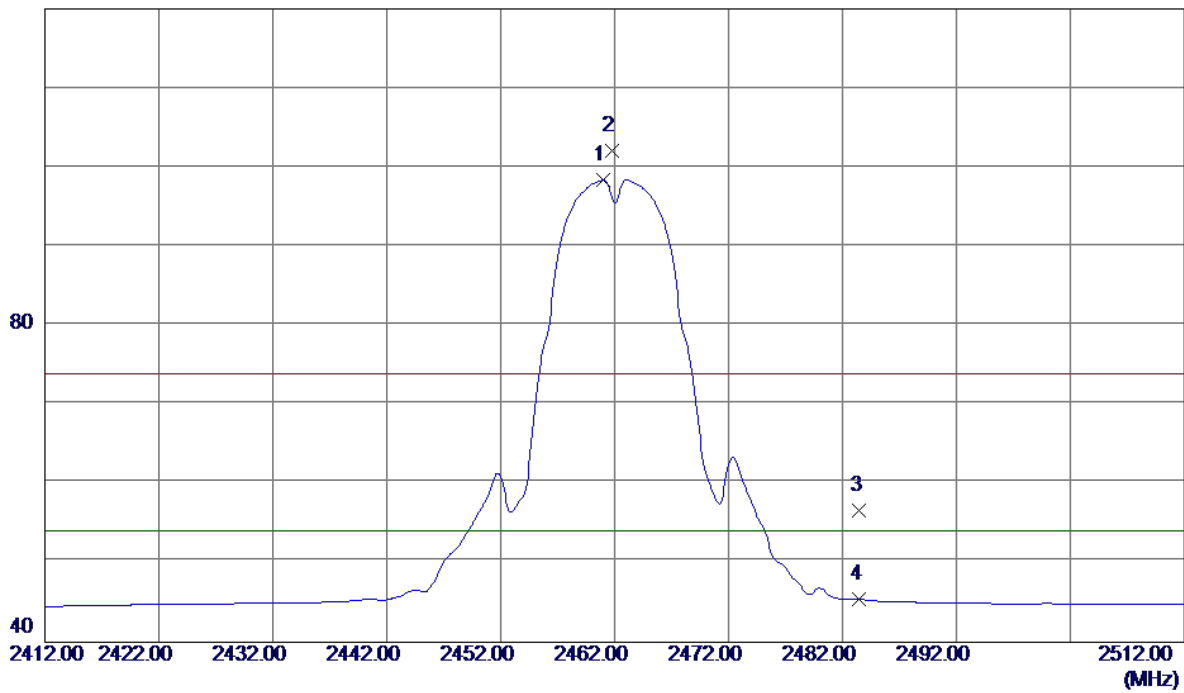


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4923.8200	41.73	6.14	47.87	74.00	-26.13	Peak	
2	4923.9800	32.10	6.14	38.24	54.00	-15.76	AVG	

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

Horizontal

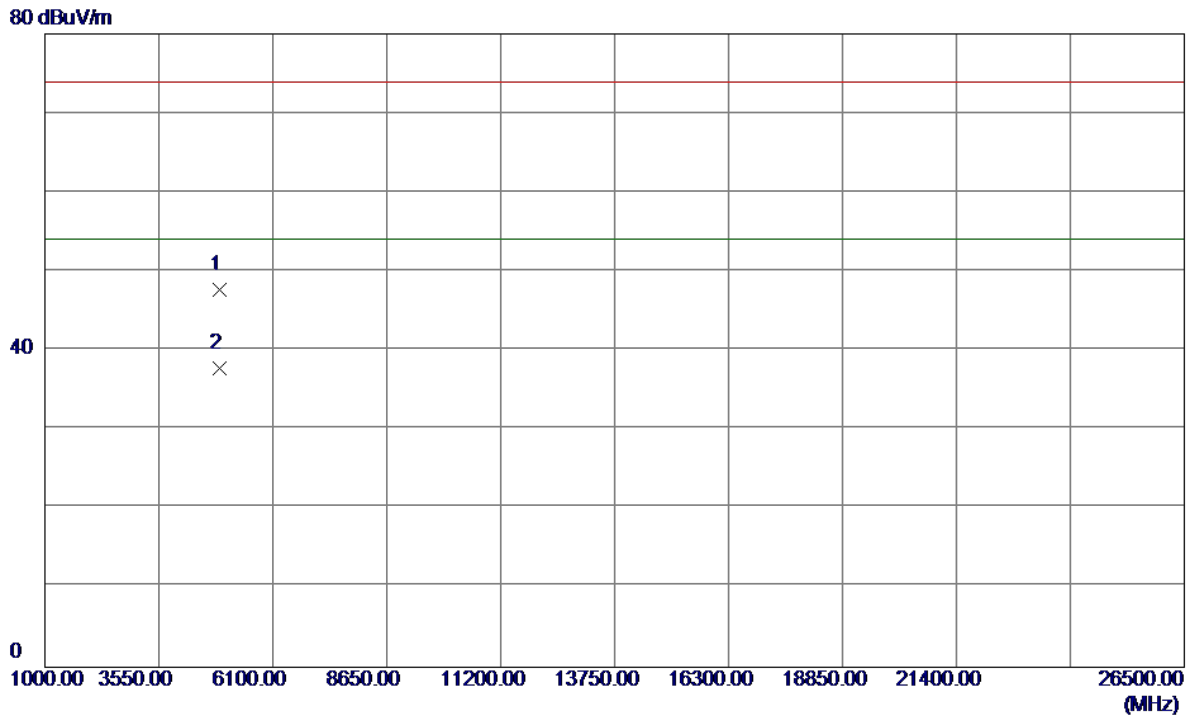
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2461.0000	65.63	32.78	98.41	54.00	44.41	AVG	NO LIMIT
2	2461.8000	69.37	32.78	102.15	74.00	28.15	Peak	NO LIMIT
3	2483.5000	23.89	32.81	56.70	74.00	-17.30	Peak	
4	2483.5000	12.64	32.81	45.45	54.00	-8.55	AVG	

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

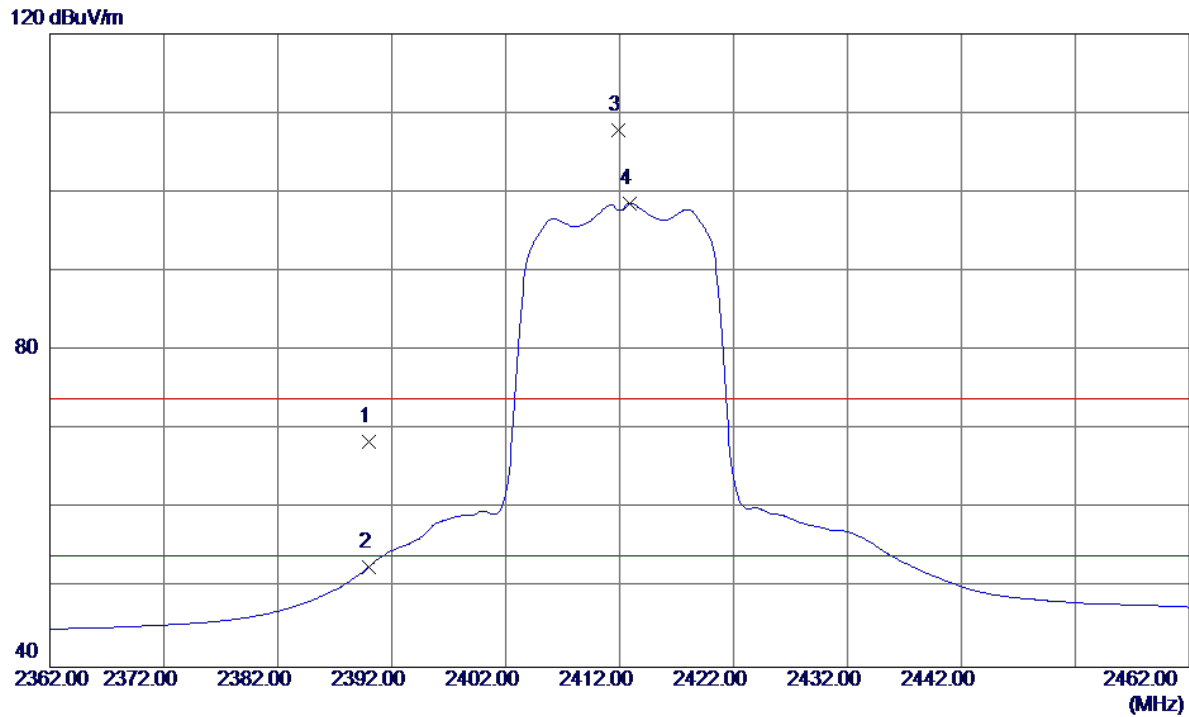
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4923.5200	41.51	6.14	47.65	74.00	-26.35	Peak	
2	4923.9800	31.64	6.14	37.78	54.00	-16.22	AVG	

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

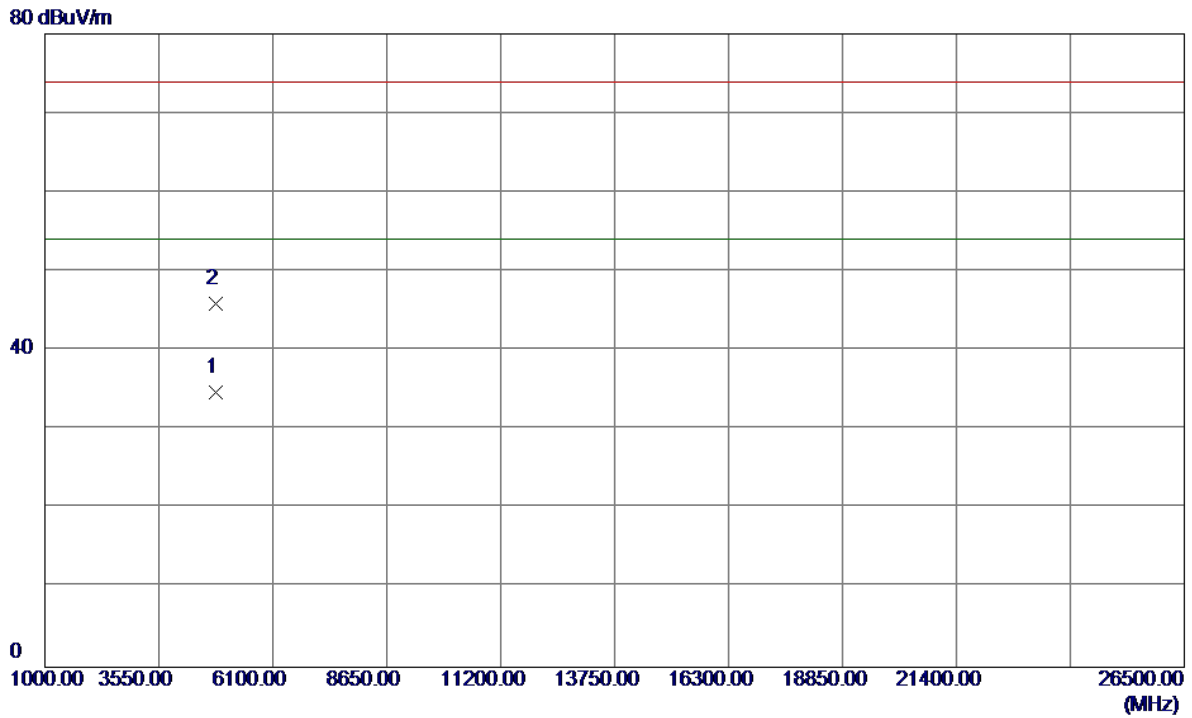
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	35.86	32.68	68.54	74.00	-5.46	Peak	
2	2390.0000	20.02	32.68	52.70	54.00	-1.30	AVG	
3	2411.9000	75.07	32.71	107.78	74.00	33.78	Peak	NO LIMIT
4	2412.9000	65.89	32.71	98.60	54.00	44.60	AVG	NO LIMIT

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

Vertical

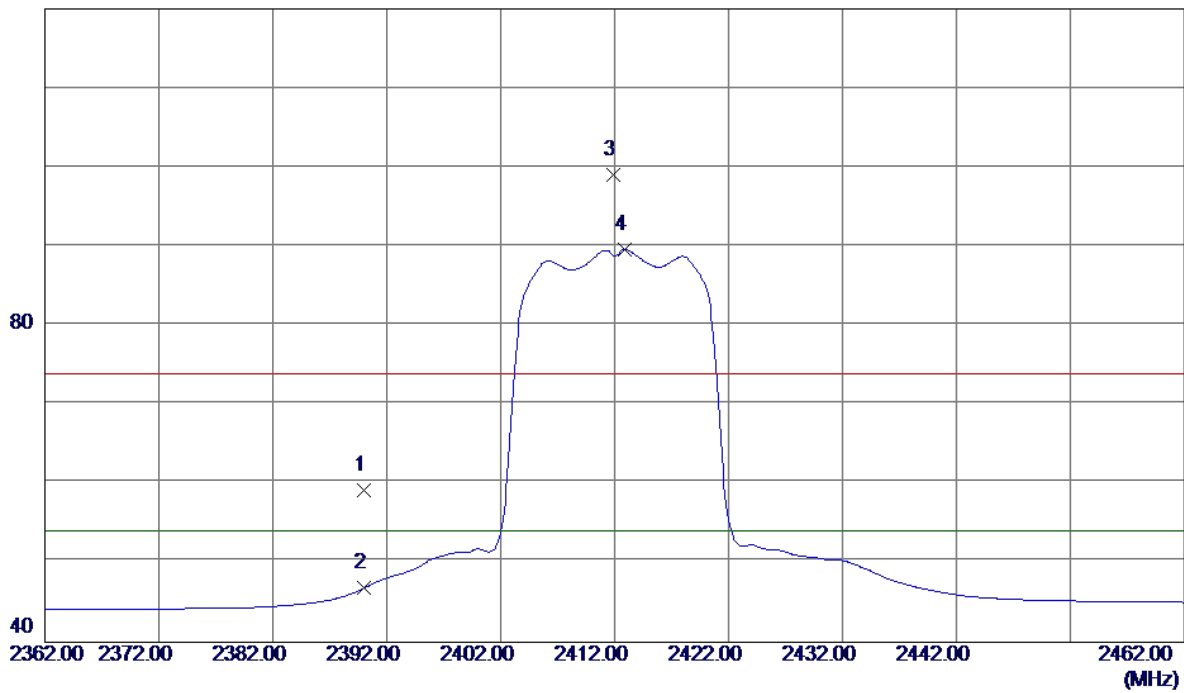


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4823.7000	28.92	5.87	34.79	54.00	-19.21	AVG	
2	4824.5000	40.06	5.87	45.93	74.00	-28.07	Peak	

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

Horizontal

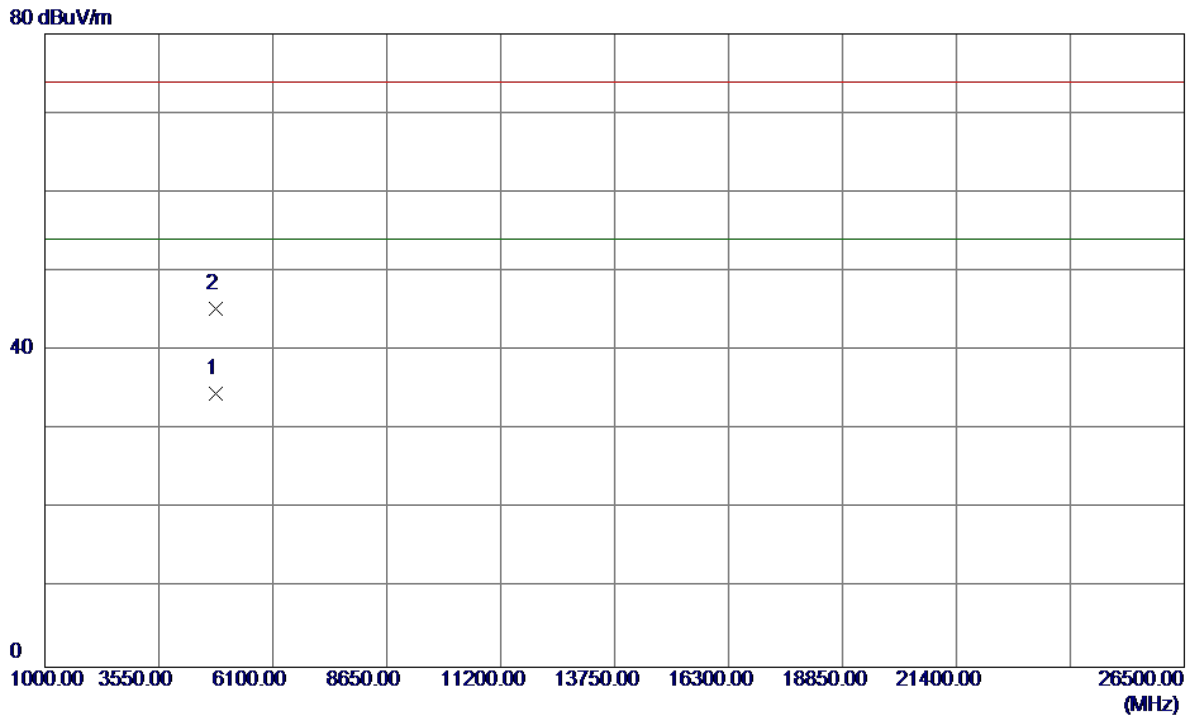
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	26.45	32.68	59.13	74.00	-14.87	Peak	
2	2390.0000	14.15	32.68	46.83	54.00	-7.17	AVG	
3	2411.9000	66.33	32.71	99.04	74.00	25.04	Peak	NO LIMIT
4	2412.9000	56.91	32.71	89.62	54.00	35.62	AVG	NO LIMIT

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

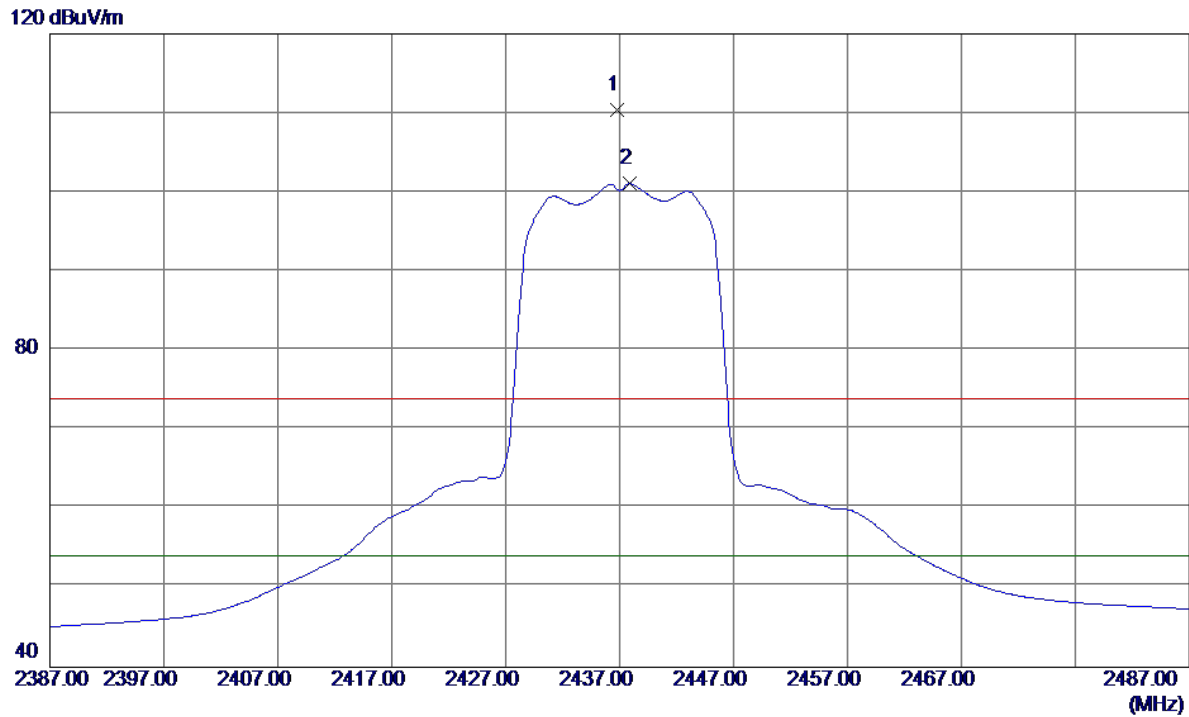
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4824.2000	28.72	5.87	34.59	54.00	-19.41	AVG	
2	4824.3000	39.39	5.87	45.26	74.00	-28.74	Peak	

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

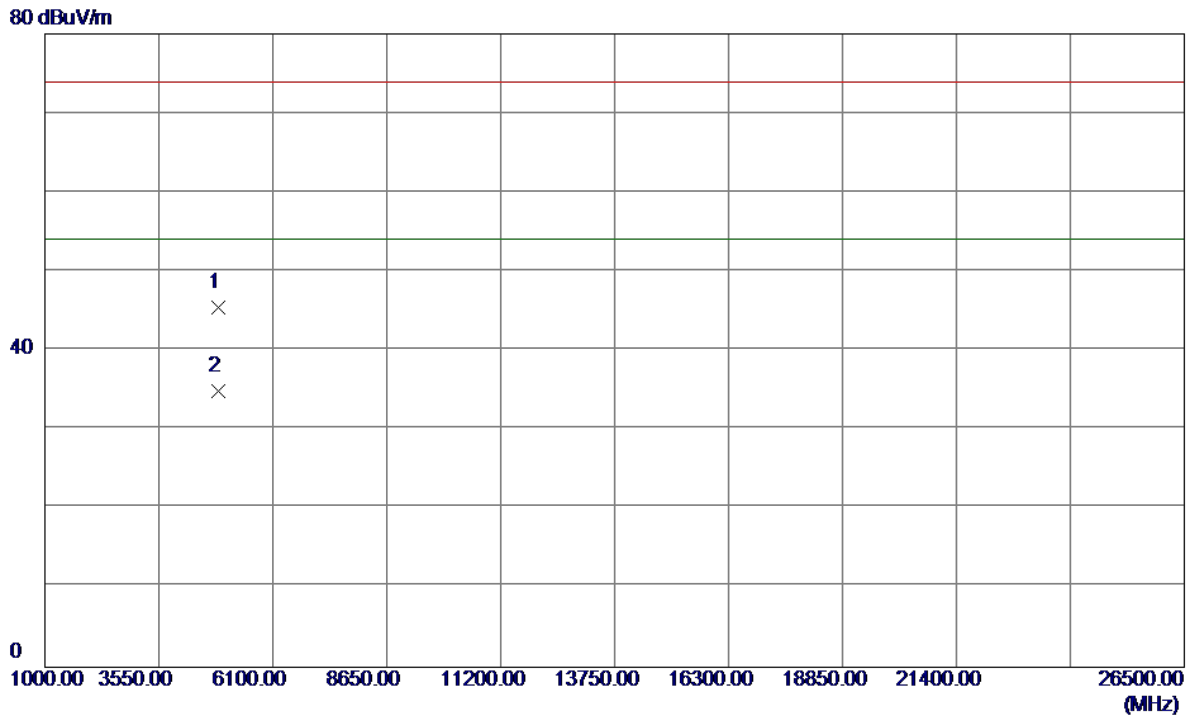
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2436.8000	77.67	32.74	110.41	74.00	36.41	Peak	NO LIMIT
2	2437.9000	68.33	32.74	101.07	54.00	47.07	AVG	NO LIMIT

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

Vertical

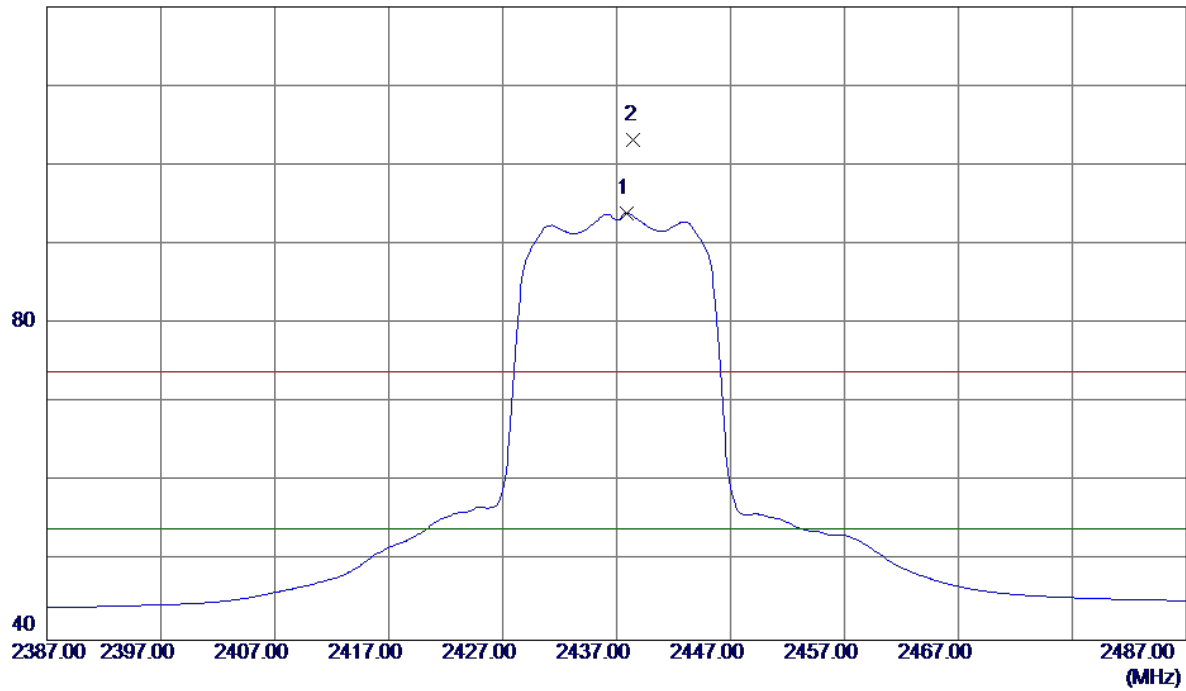


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4874.1000	39.44	6.00	45.44	74.00	-28.56	Peak	
2	4874.5000	28.81	6.00	34.81	54.00	-19.19	AVG	

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

Horizontal

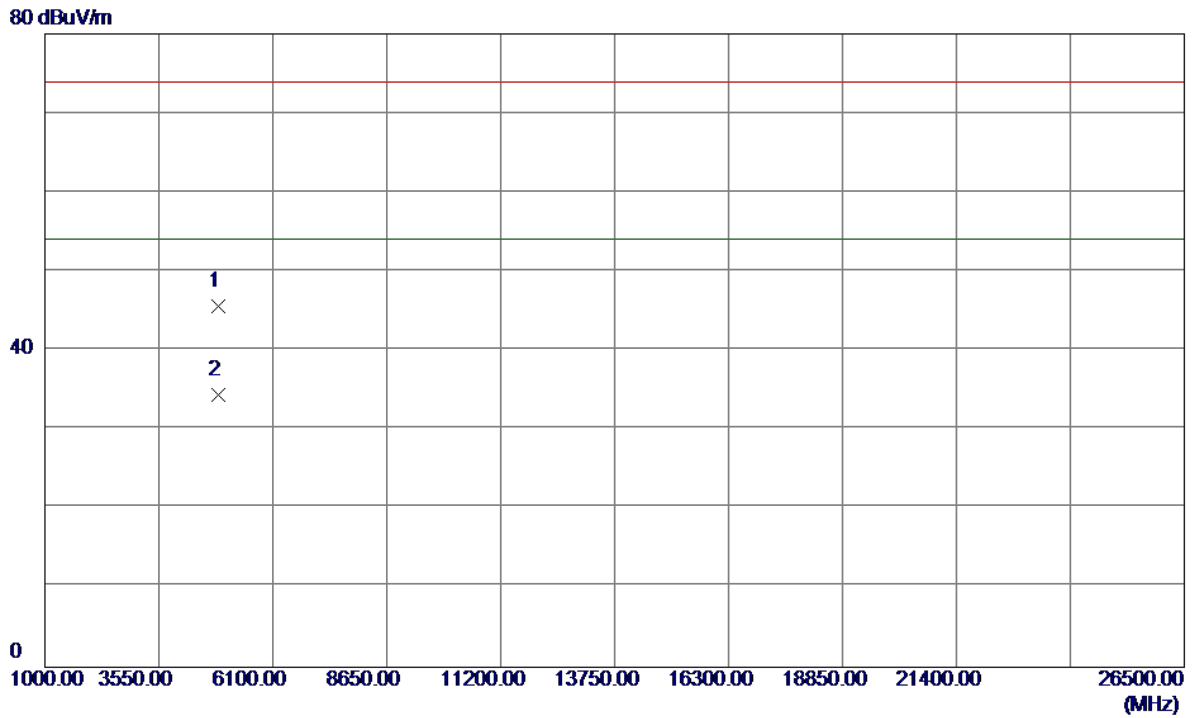
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2437.9000	61.16	32.74	93.90	54.00	39.90	AVG	NO LIMIT
2	2438.5000	70.52	32.75	103.27	74.00	29.27	Peak	NO LIMIT

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

Horizontal

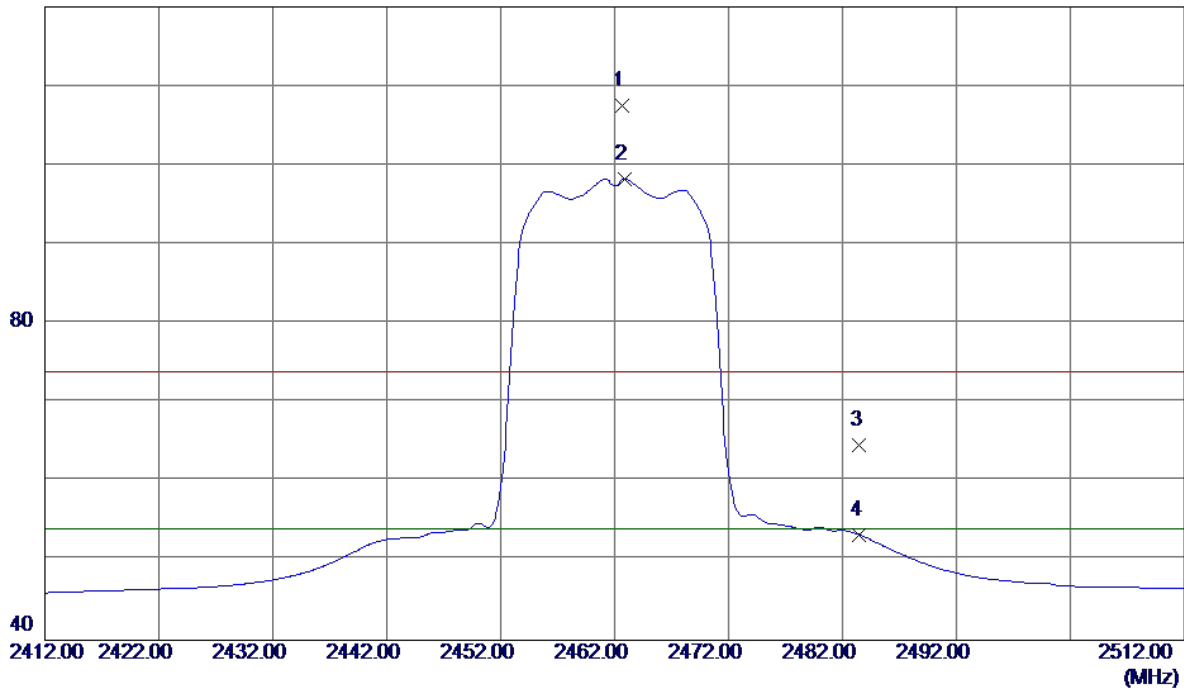


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4874.0000	39.55	6.00	45.55	74.00	-28.45	Peak	
2	4874.0000	28.35	6.00	34.35	54.00	-19.65	AVG	

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

Vertical

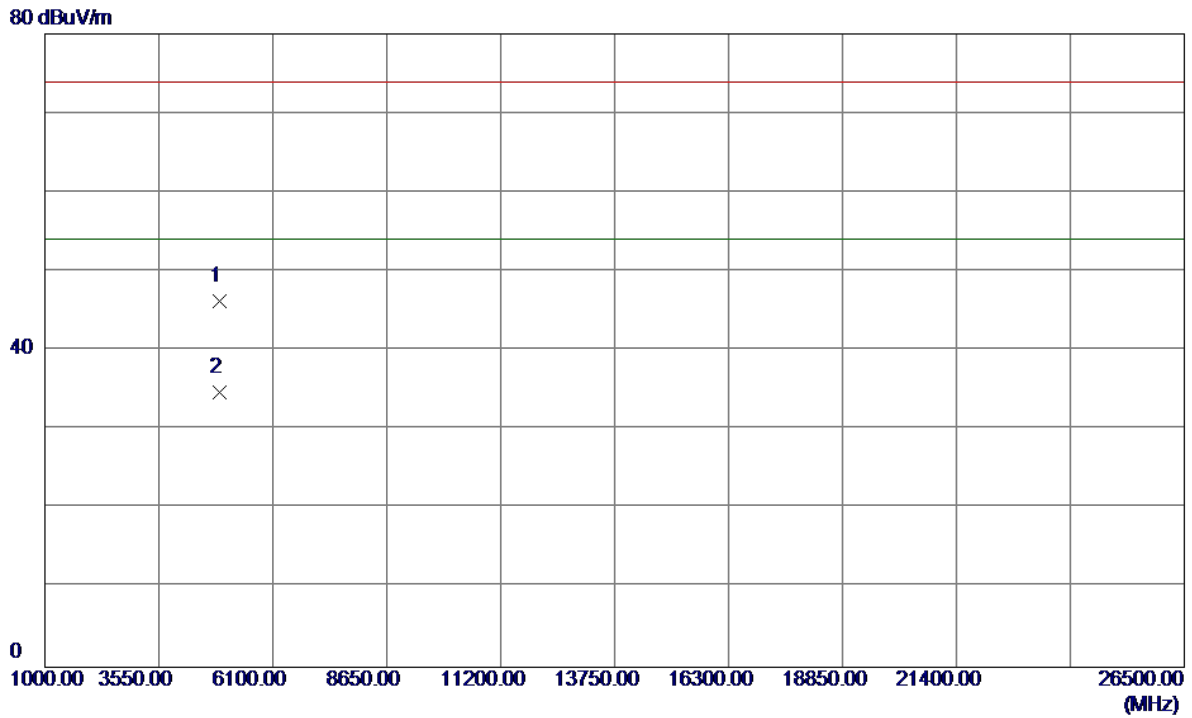
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2462.7000	74.82	32.78	107.60	74.00	33.60	Peak	NO LIMIT
2	2462.9000	65.46	32.78	98.24	54.00	44.24	AVG	NO LIMIT
3	2483.5000	31.79	32.81	64.60	74.00	-9.40	Peak	
4	2483.5000	20.50	32.81	53.31	54.00	-0.69	AVG	

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

Vertical

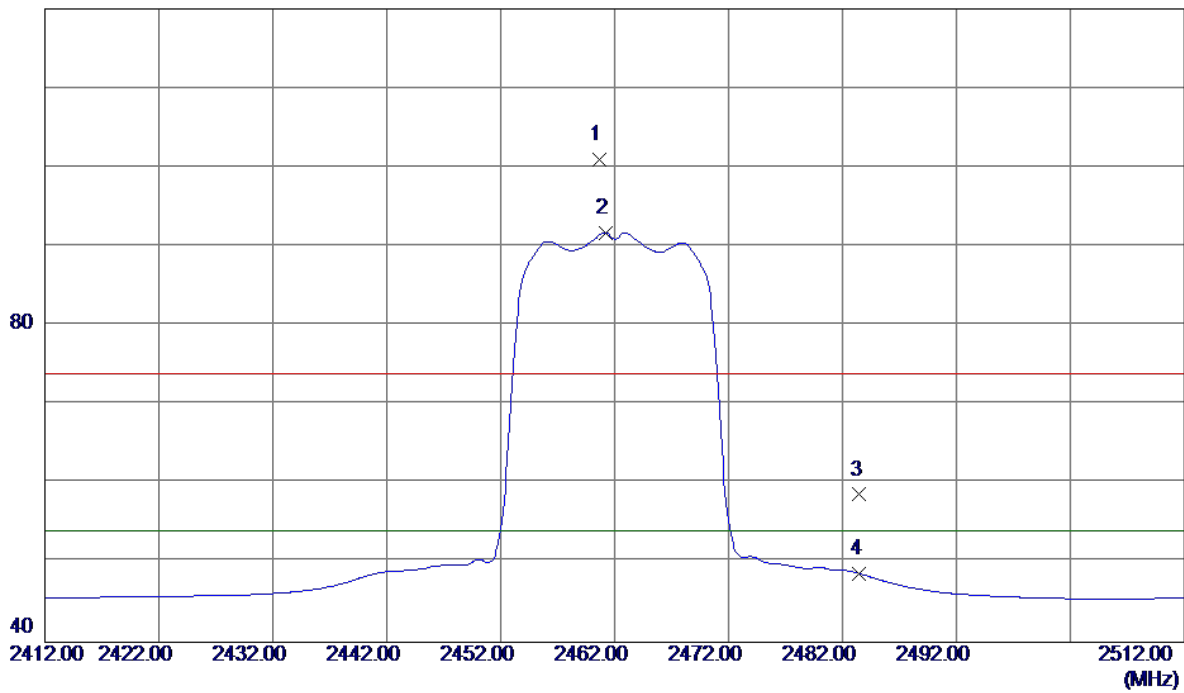


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4923.9800	40.05	6.14	46.19	74.00	-27.81	Peak	
2	4924.1000	28.53	6.14	34.67	54.00	-19.33	AVG	

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

Horizontal

120 dBuV/m

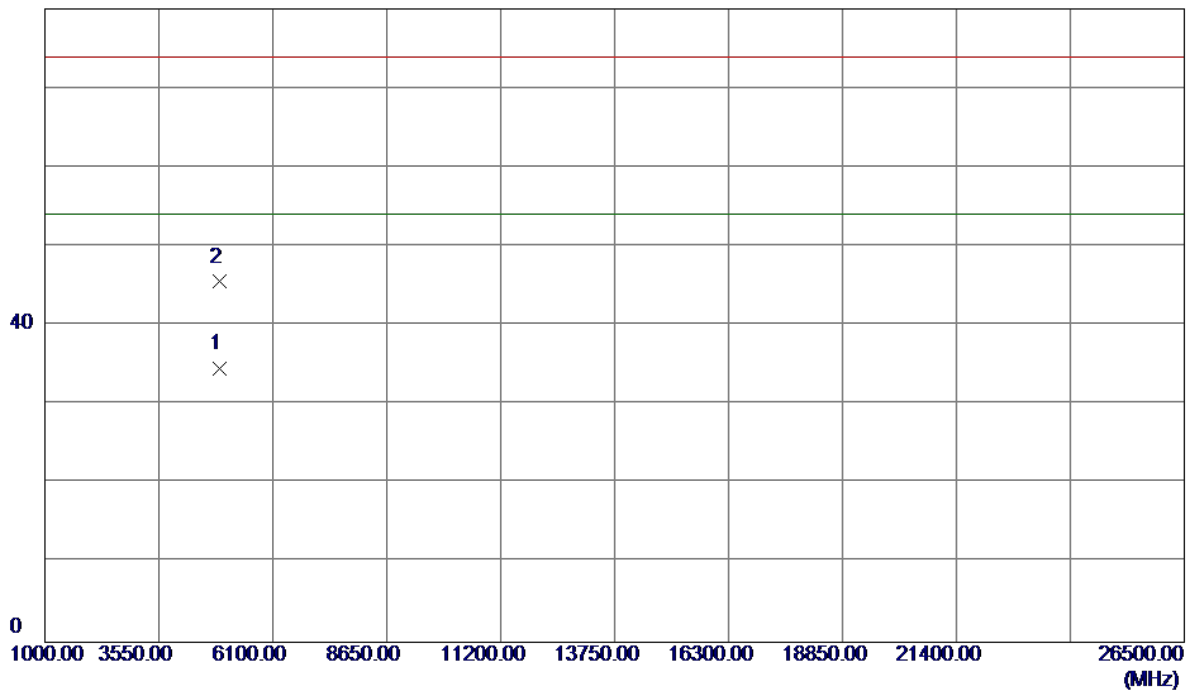


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2460.7000	68.24	32.78	101.02	74.00	27.02	Peak	NO LIMIT
2	2461.2000	58.97	32.78	91.75	54.00	37.75	AVG	NO LIMIT
3	2483.5000	25.83	32.81	58.64	74.00	-15.36	Peak	
4	2483.5000	15.85	32.81	48.66	54.00	-5.34	AVG	

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

Horizontal

80 dBuV/m

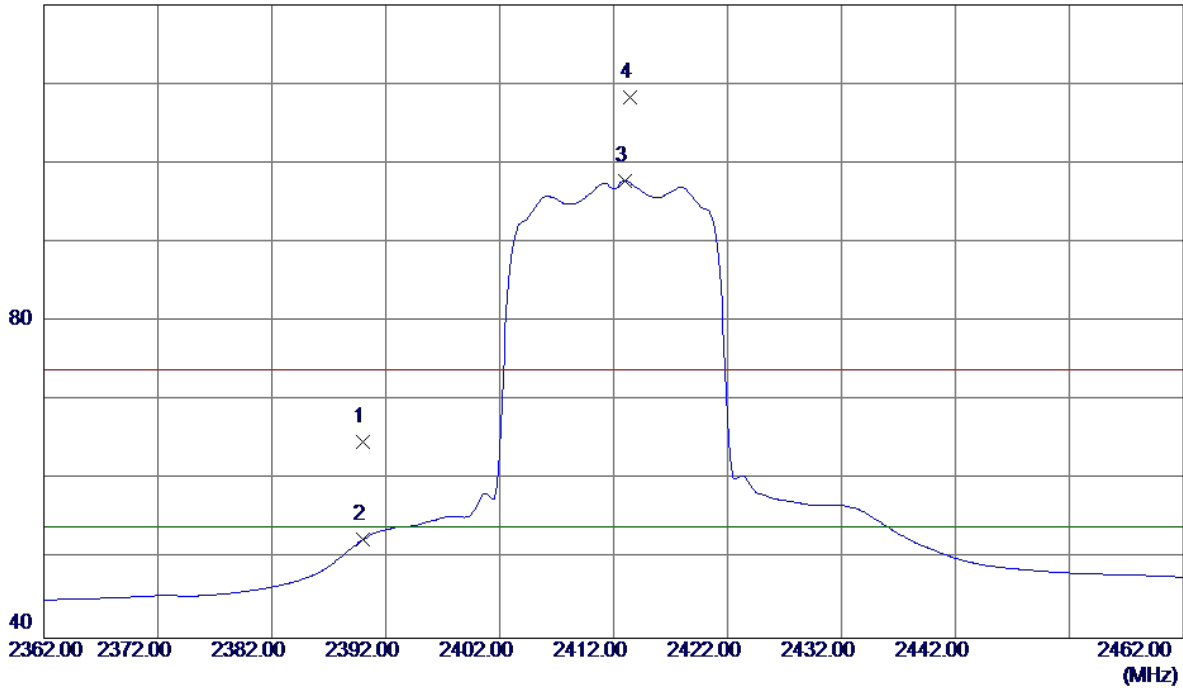


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4924.0600	28.47	6.14	34.61	54.00	-19.39	AVG	
2	4924.1000	39.38	6.14	45.52	74.00	-28.48	Peak	

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

Vertical

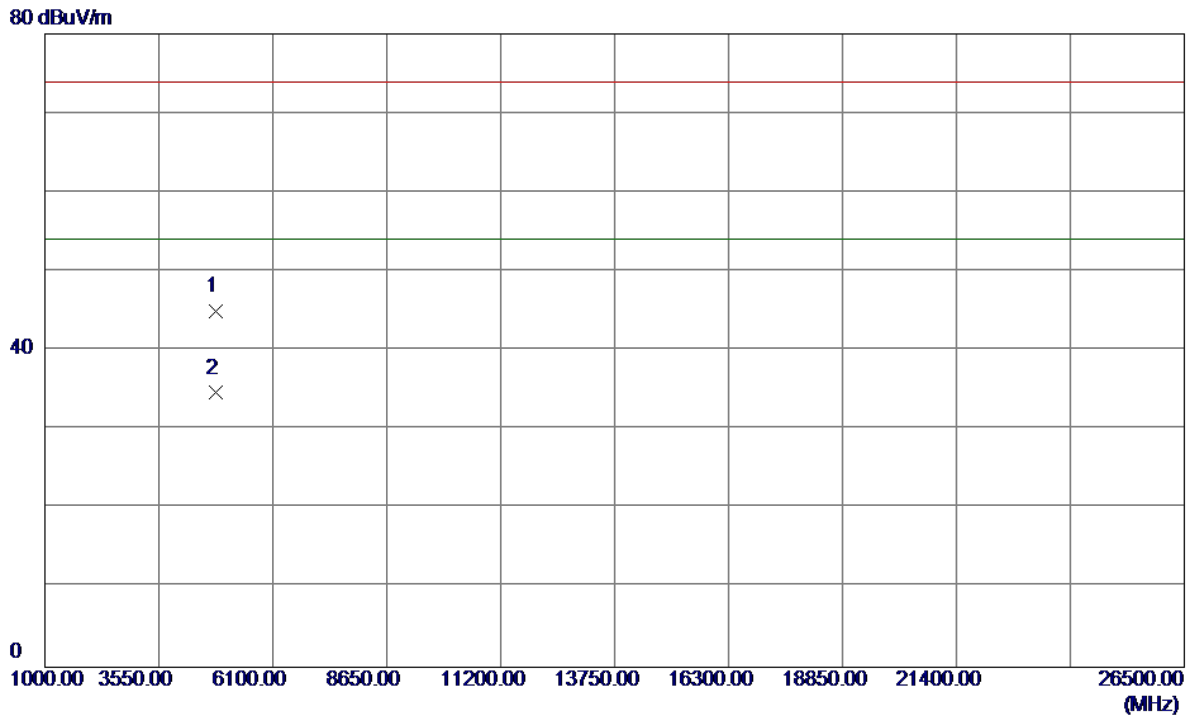
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	32.18	32.68	64.86	74.00	-9.14	Peak	
2	2390.0000	19.77	32.68	52.45	54.00	-1.55	AVG	
3	2413.0000	65.07	32.71	97.78	54.00	43.78	AVG	NO LIMIT
4	2413.4000	75.64	32.71	108.35	74.00	34.35	Peak	NO LIMIT

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

Vertical

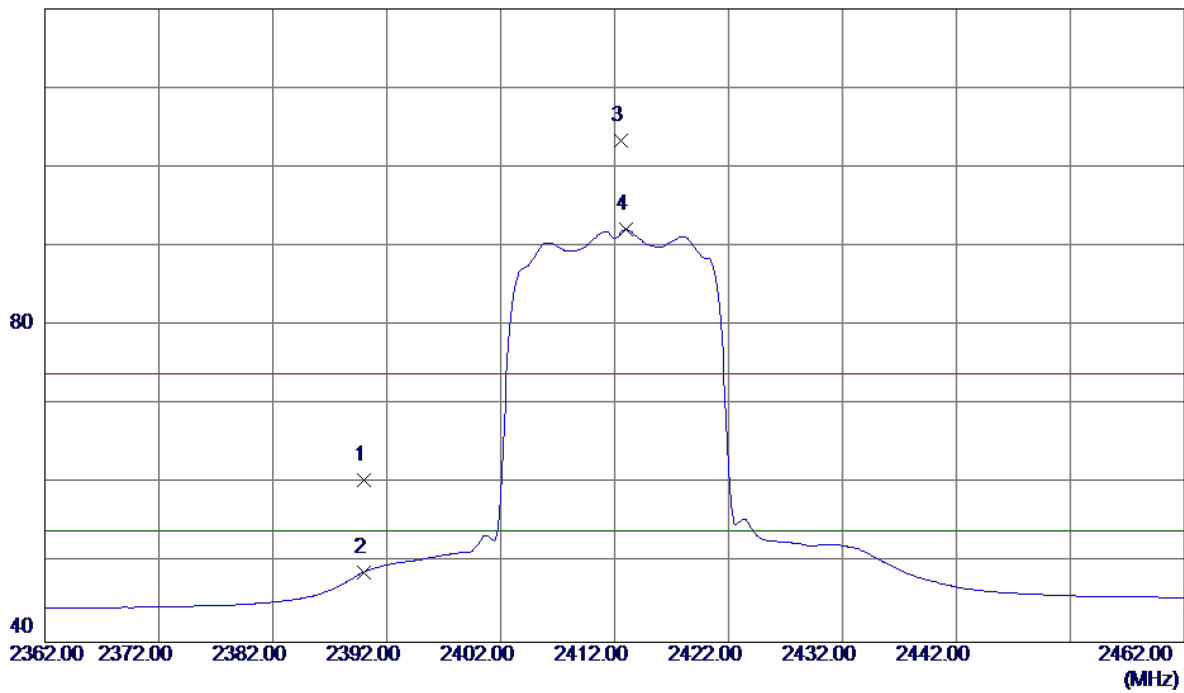


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4823.6000	39.16	5.87	45.03	74.00	-28.97	Peak	
2	4823.8000	28.77	5.87	34.64	54.00	-19.36	AVG	

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

Horizontal

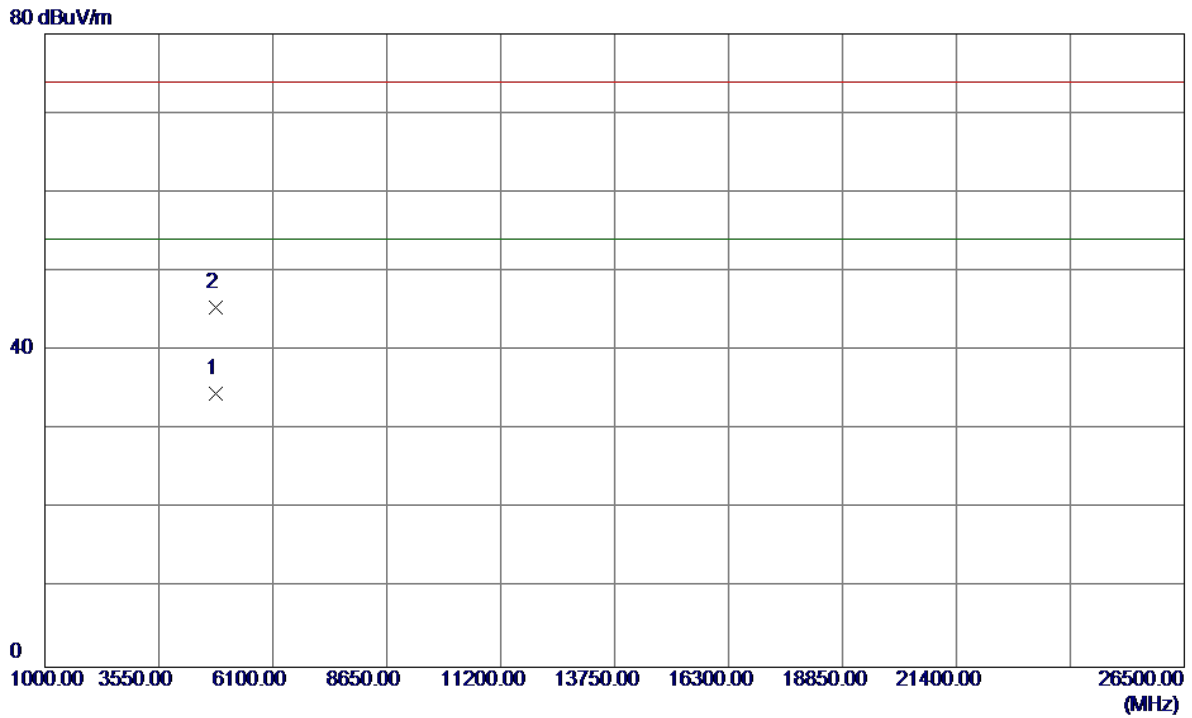
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	27.80	32.68	60.48	74.00	-13.52	Peak	
2	2390.0000	16.19	32.68	48.87	54.00	-5.13	AVG	
3	2412.6000	70.67	32.71	103.38	74.00	29.38	Peak	NO LIMIT
4	2413.0000	59.40	32.71	92.11	54.00	38.11	AVG	NO LIMIT

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

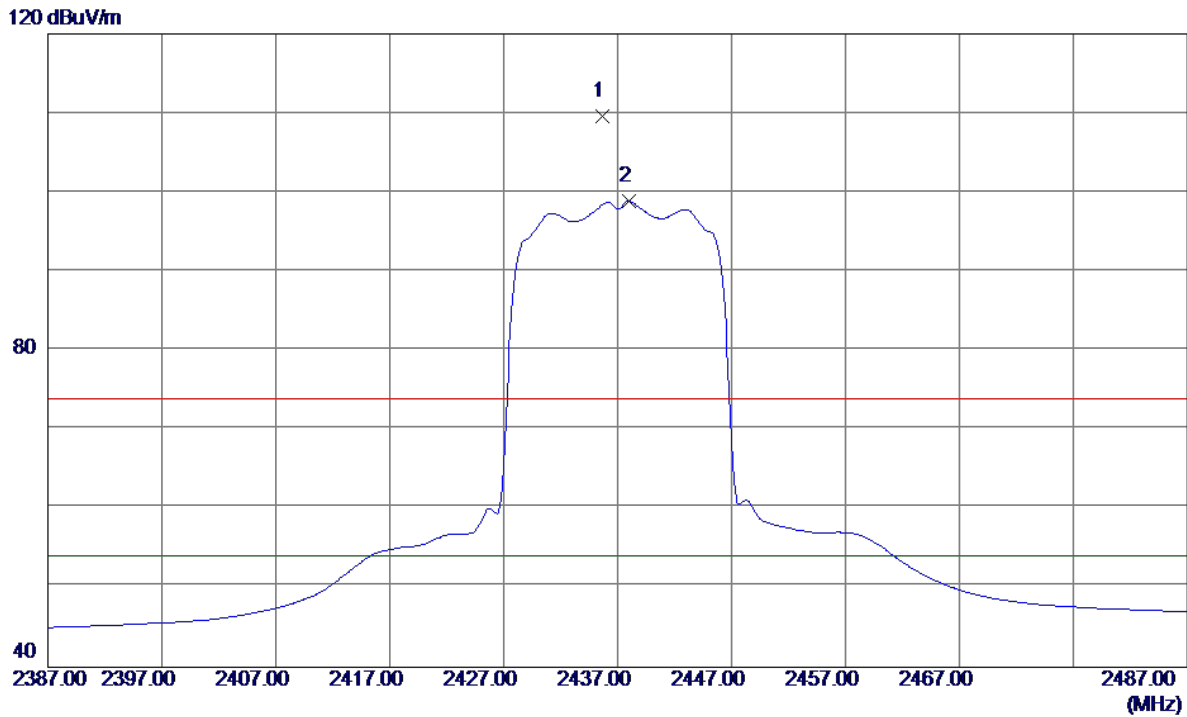
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4824.1000	28.66	5.87	34.53	54.00	-19.47	AVG	
2	4824.9000	39.61	5.87	45.48	74.00	-28.52	Peak	

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

Vertical

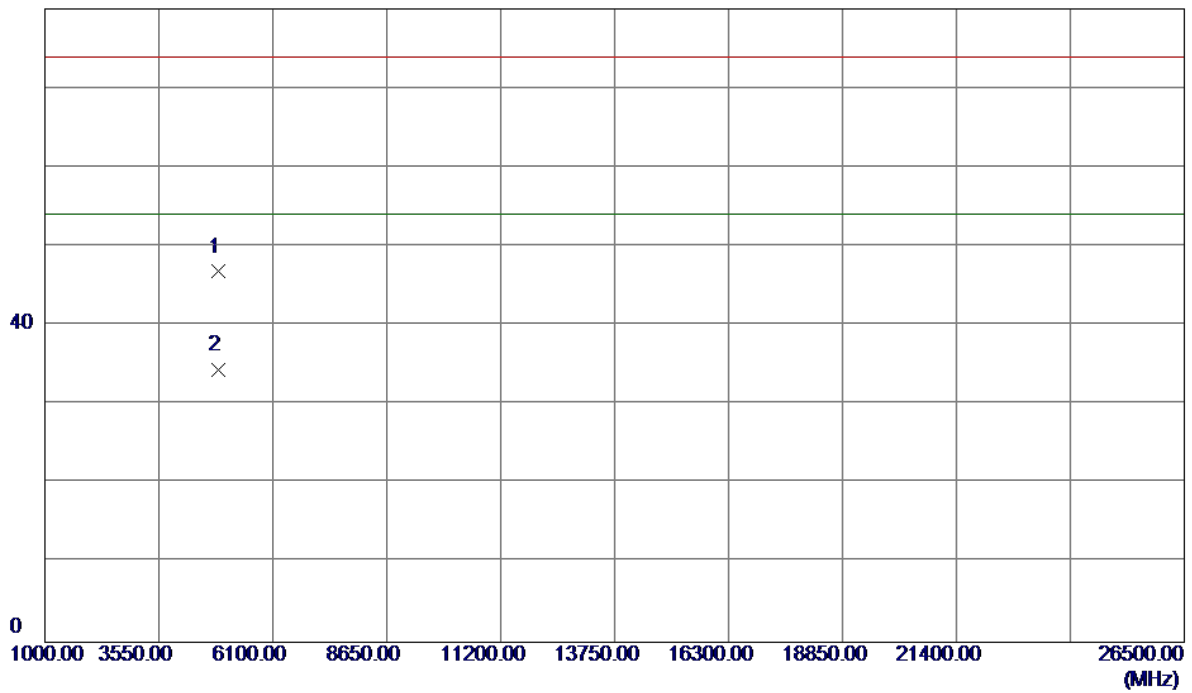


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2435.7000	76.83	32.74	109.57	74.00	35.57	Peak	NO LIMIT
2	2438.0000	66.11	32.74	98.85	74.00	24.85	Peak	NO LIMIT

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

Vertical

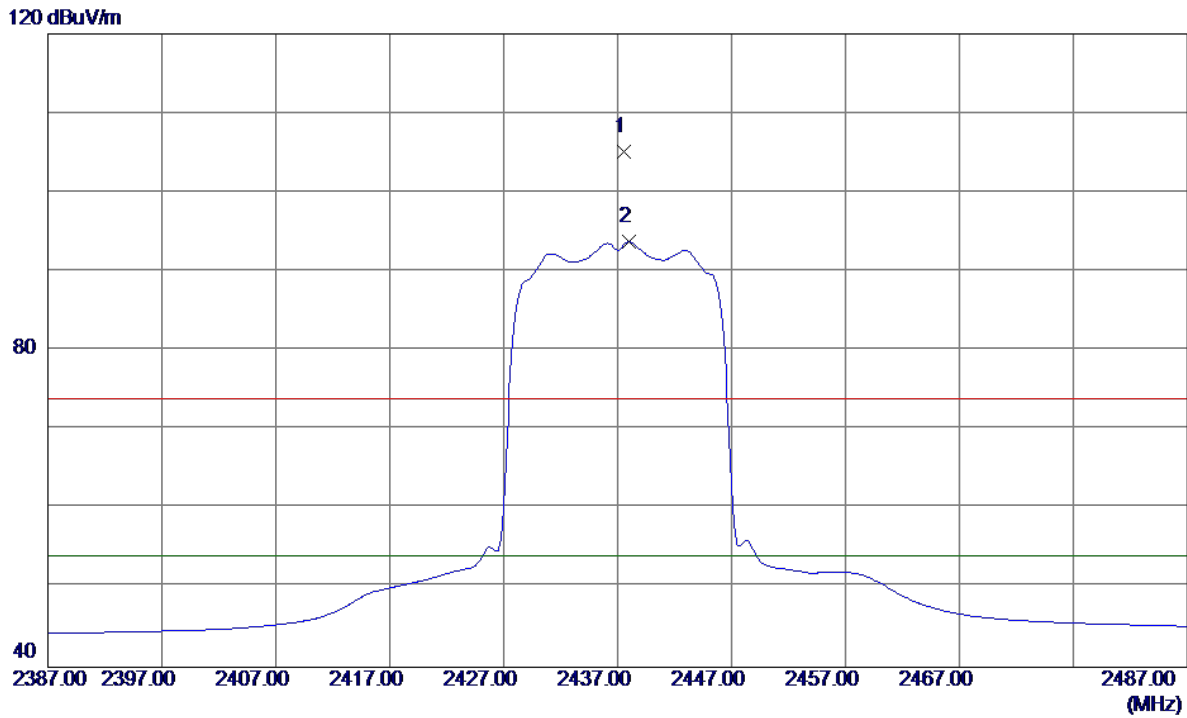
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.2000	40.80	6.00	46.80	74.00	-27.20	Peak	
2	4873.6000	28.37	6.00	34.37	54.00	-19.63	AVG	

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

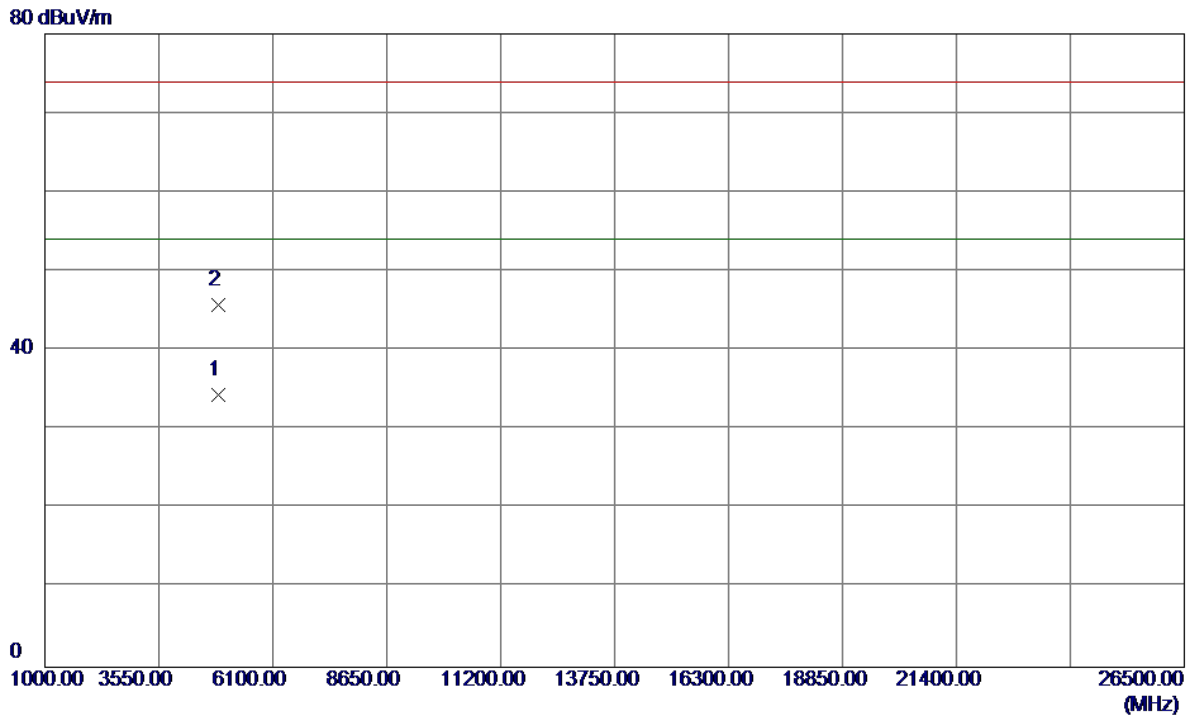
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2437.6000	72.31	32.74	105.05	74.00	31.05	Peak	NO LIMIT
2	2438.0000	60.98	32.74	93.72	54.00	39.72	AVG	NO LIMIT

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

Horizontal

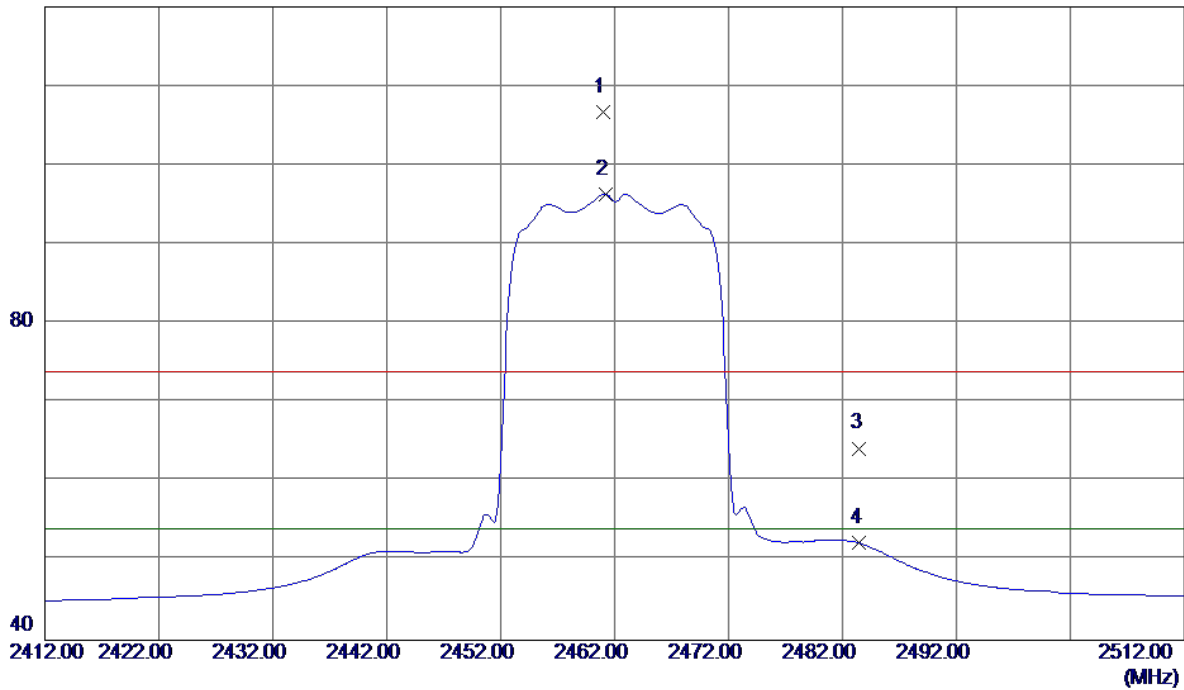


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.6000	28.40	6.00	34.40	54.00	-19.60	AVG	
2	4873.9000	39.80	6.00	45.80	74.00	-28.20	Peak	

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

Vertical

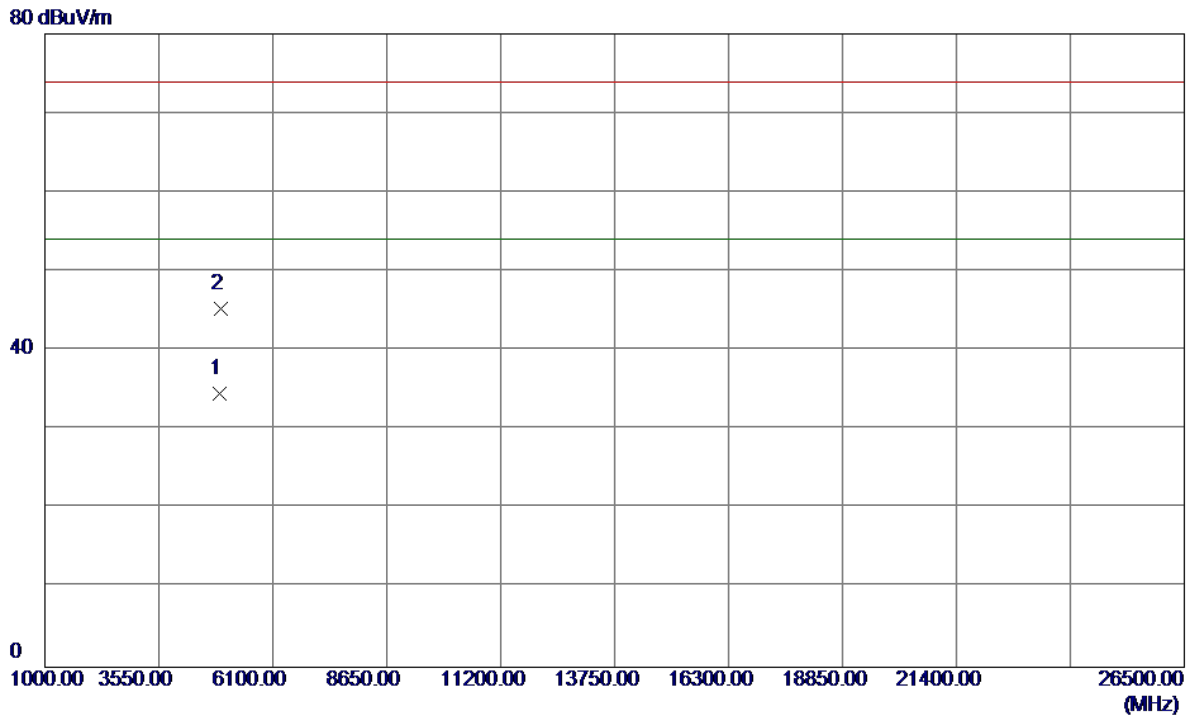
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2461.0000	74.00	32.78	106.78	74.00	32.78	Peak	NO LIMIT
2	2461.2000	63.55	32.78	96.33	54.00	42.33	AVG	NO LIMIT
3	2483.5000	31.43	32.81	64.24	74.00	-9.76	Peak	
4	2483.5000	19.44	32.81	52.25	54.00	-1.75	AVG	

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

Vertical

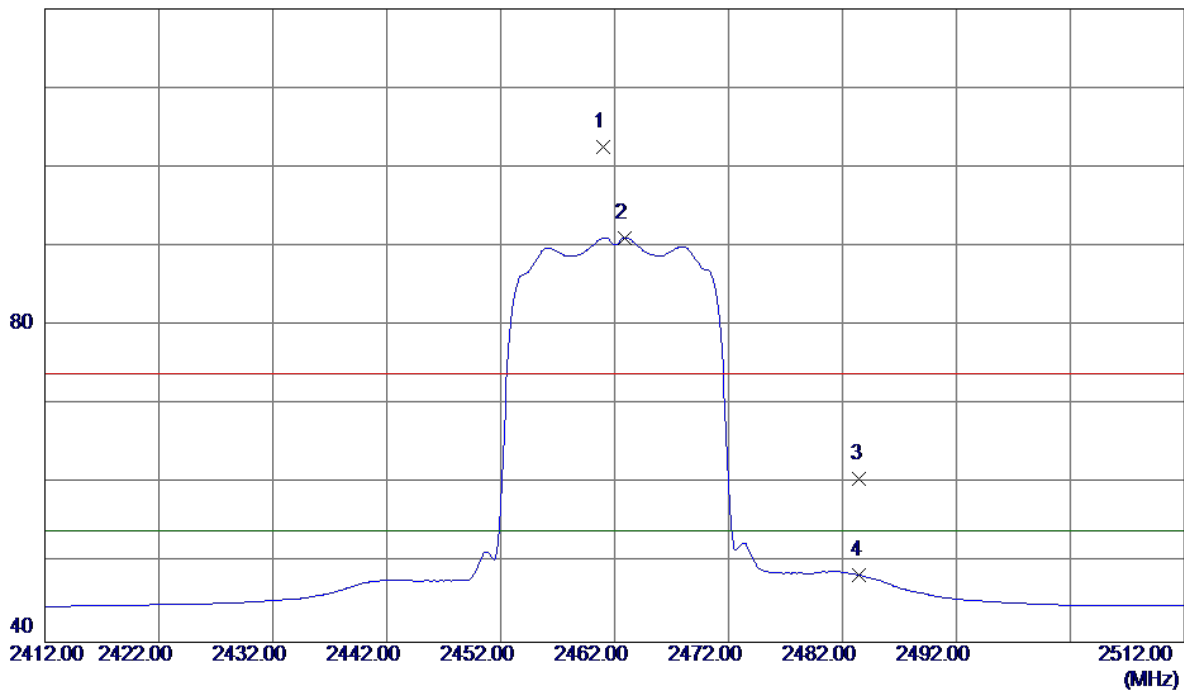


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4923.8000	28.39	6.14	34.53	54.00	-19.47	AVG	
2	4924.4000	39.14	6.14	45.28	74.00	-28.72	Peak	

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

Horizontal

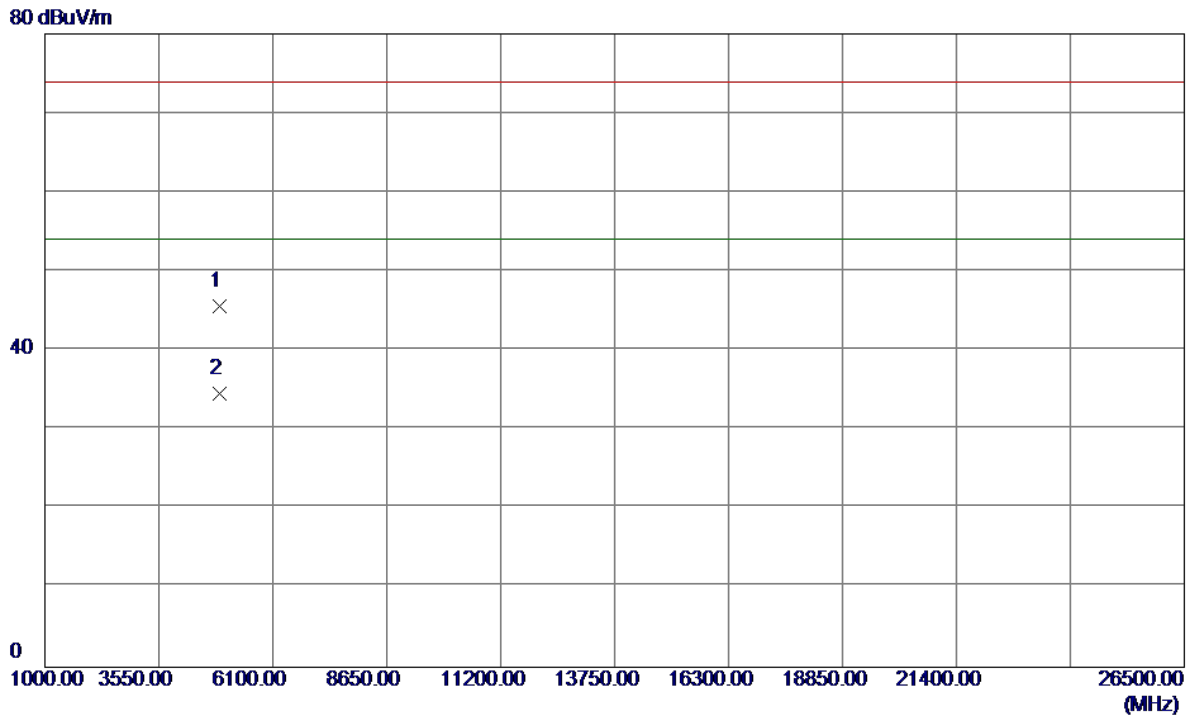
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2461.0000	69.84	32.78	102.62	74.00	28.62	Peak	NO LIMIT
2	2462.9000	58.33	32.78	91.11	54.00	37.11	AVG	NO LIMIT
3	2483.5000	27.86	32.81	60.67	74.00	-13.33	Peak	
4	2483.5000	15.64	32.81	48.45	54.00	-5.55	AVG	

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

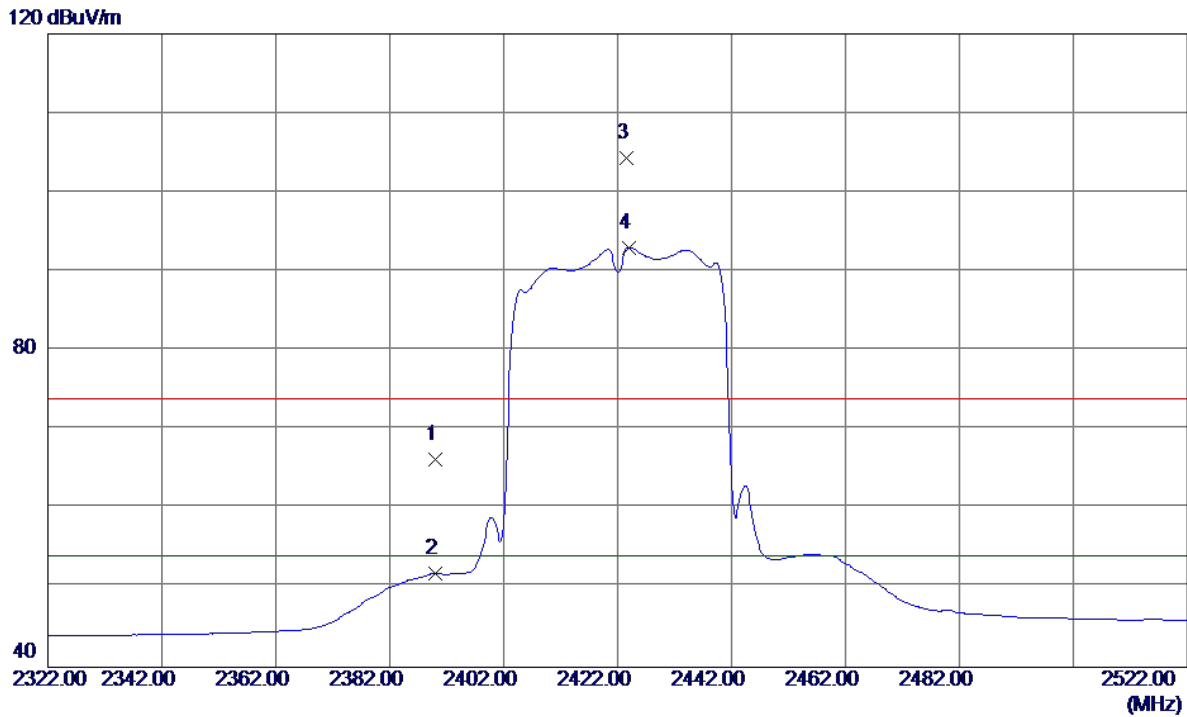
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4923.8000	39.48	6.14	45.62	74.00	-28.38	Peak	
2	4923.8000	28.37	6.14	34.51	54.00	-19.49	AVG	

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

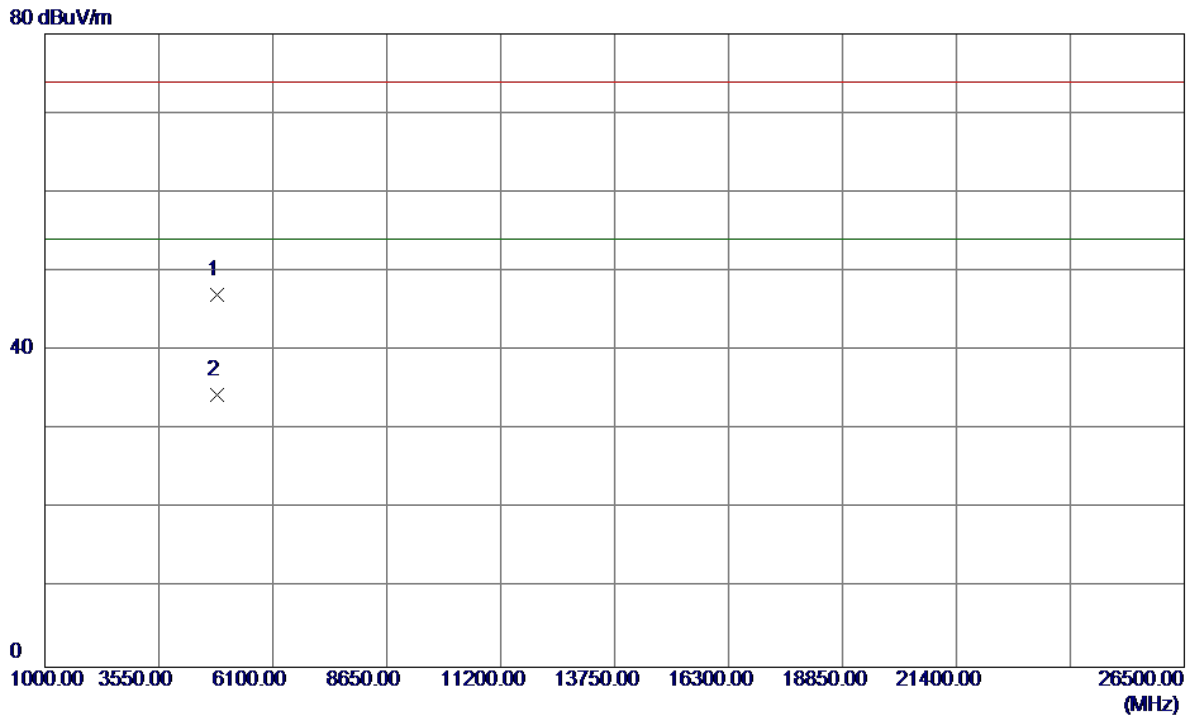
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	33.51	32.68	66.19	74.00	-7.81	Peak	
2	2390.0000	19.22	32.68	51.90	54.00	-2.10	AVG	
3	2423.6000	71.64	32.72	104.36	74.00	30.36	Peak	NO LIMIT
4	2424.0000	60.30	32.73	93.03	54.00	39.03	AVG	NO LIMIT

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

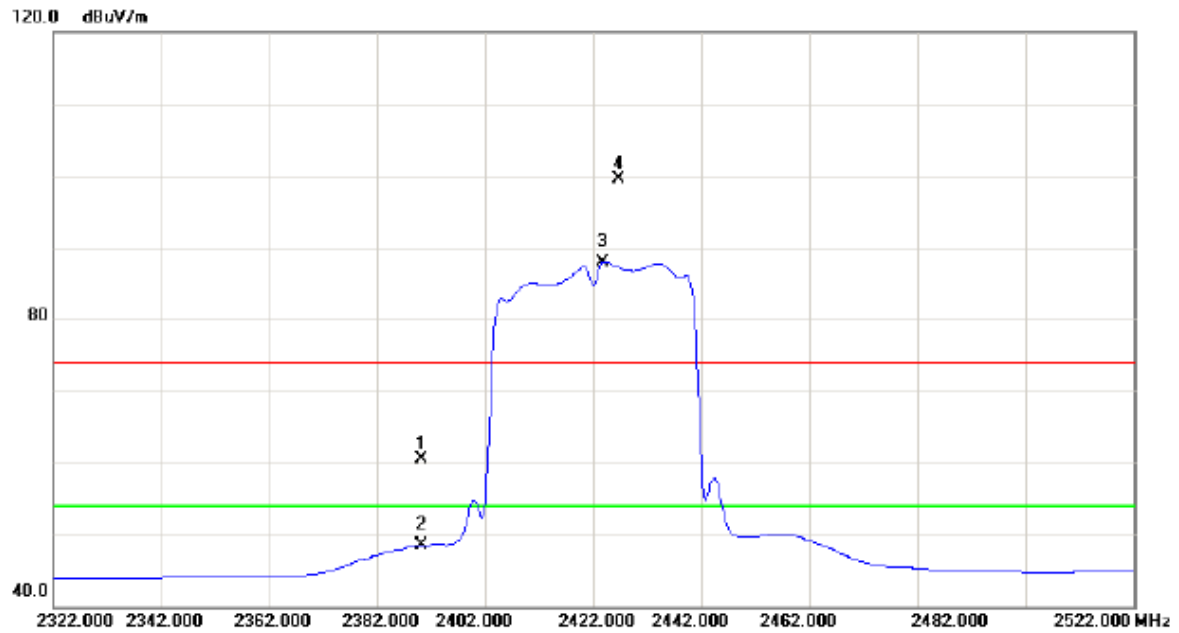
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4843.6000	41.10	5.92	47.02	74.00	-26.98	Peak	
2	4843.6000	28.54	5.92	34.46	54.00	-19.54	AVG	

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

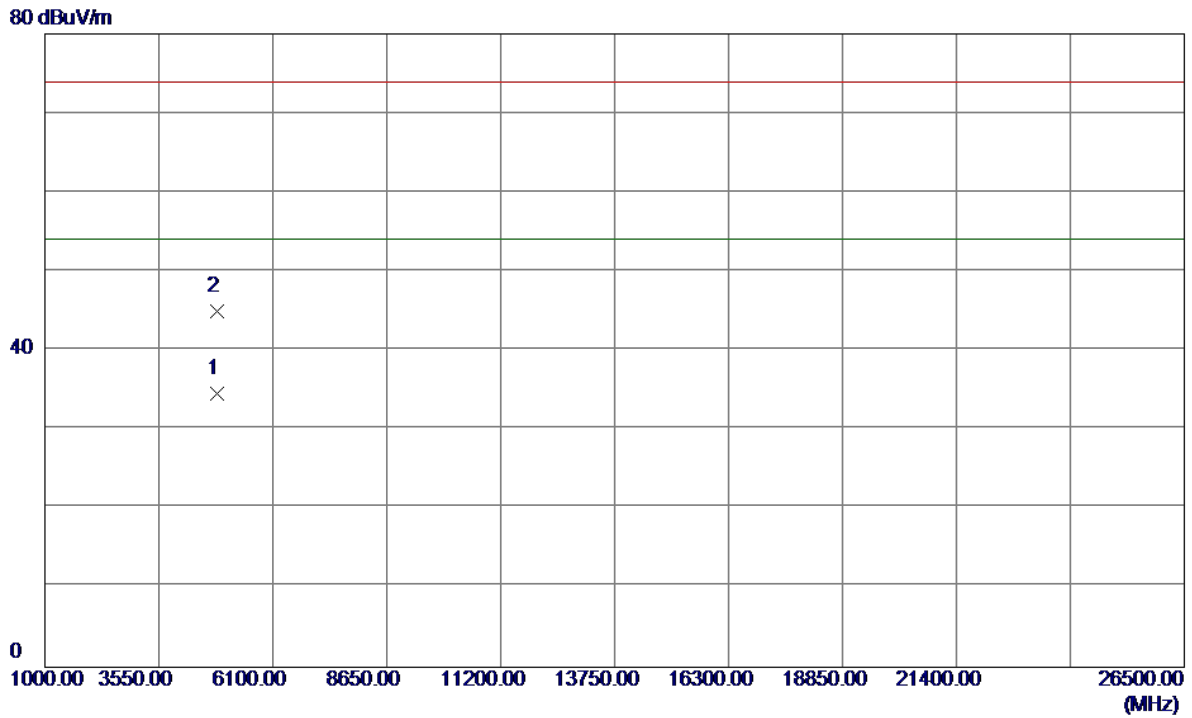
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	27.77	32.68	60.45	74.00	-13.55	peak	
2		2390.000	15.87	32.68	48.55	54.00	-5.45	AVG	
3	*	2423.800	55.26	32.73	87.99	54.00	33.99	AVG	NO LIMIT
4	X	2426.600	66.71	32.73	99.44	74.00	25.44	peak	NO LIMIT

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

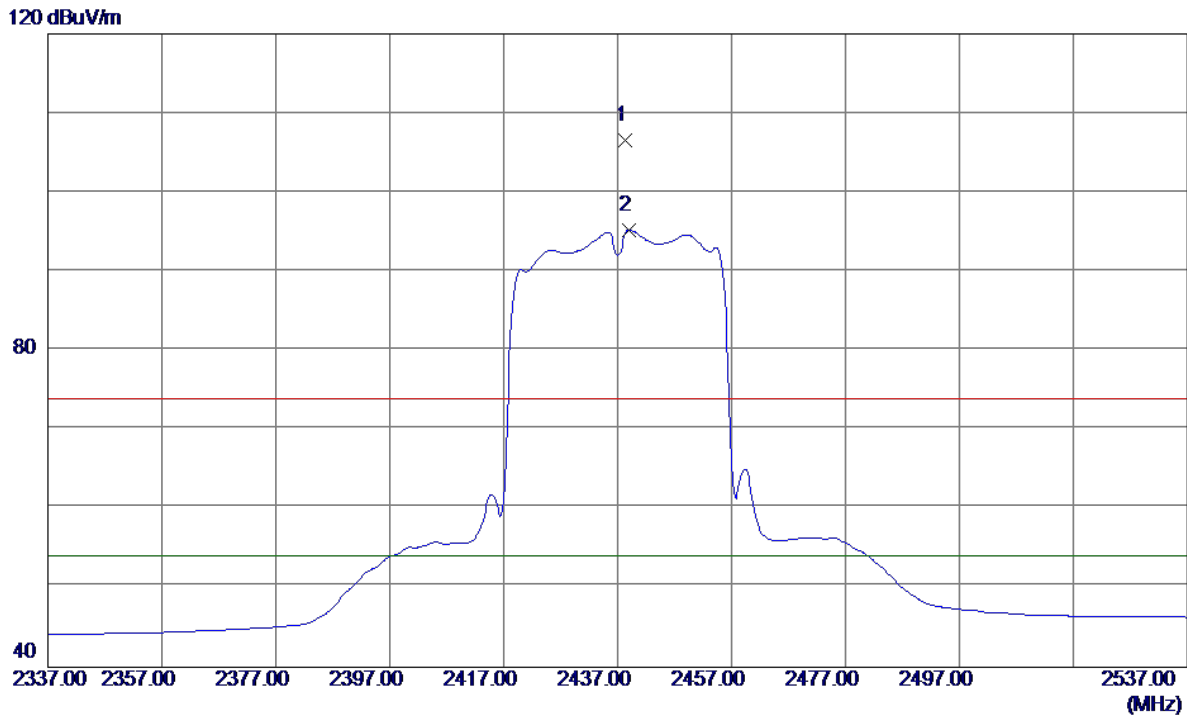
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4843.6000	28.57	5.92	34.49	54.00	-19.51	AVG	
2	4844.1000	39.06	5.92	44.98	74.00	-29.02	Peak	

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

Vertical

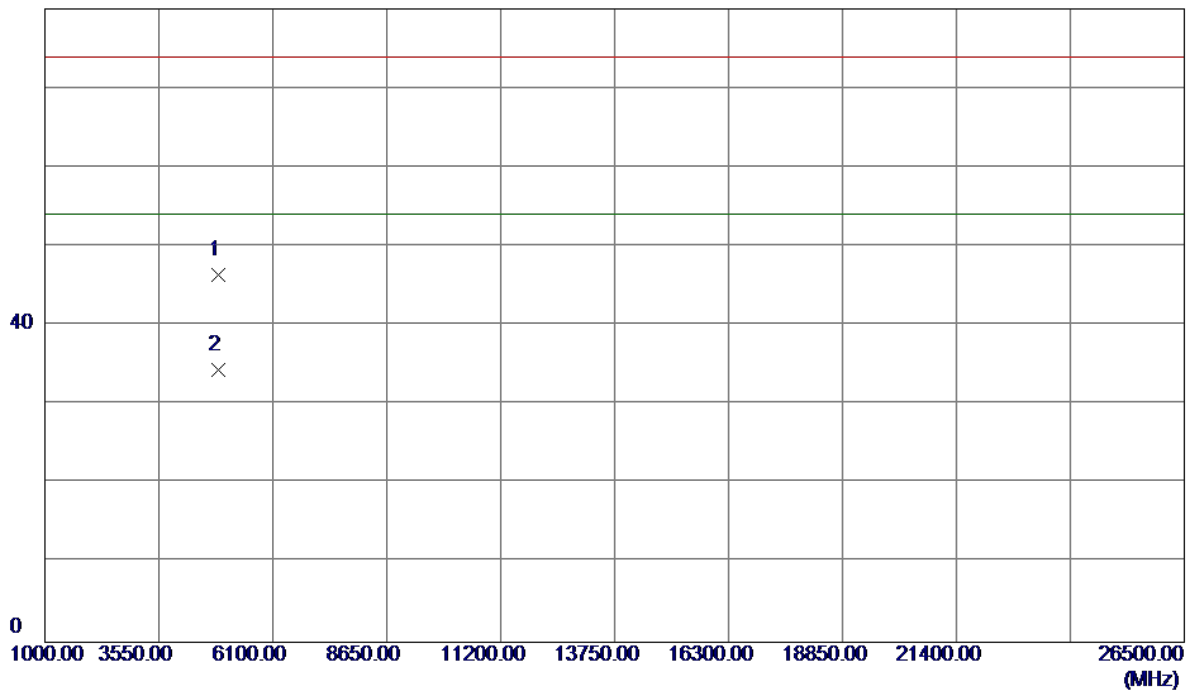


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2438.4000	73.89	32.74	106.63	74.00	32.63	Peak	NO LIMIT
2	2439.0000	62.47	32.75	95.22	54.00	41.22	AVG	NO LIMIT

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

Vertical

80 dBuV/m

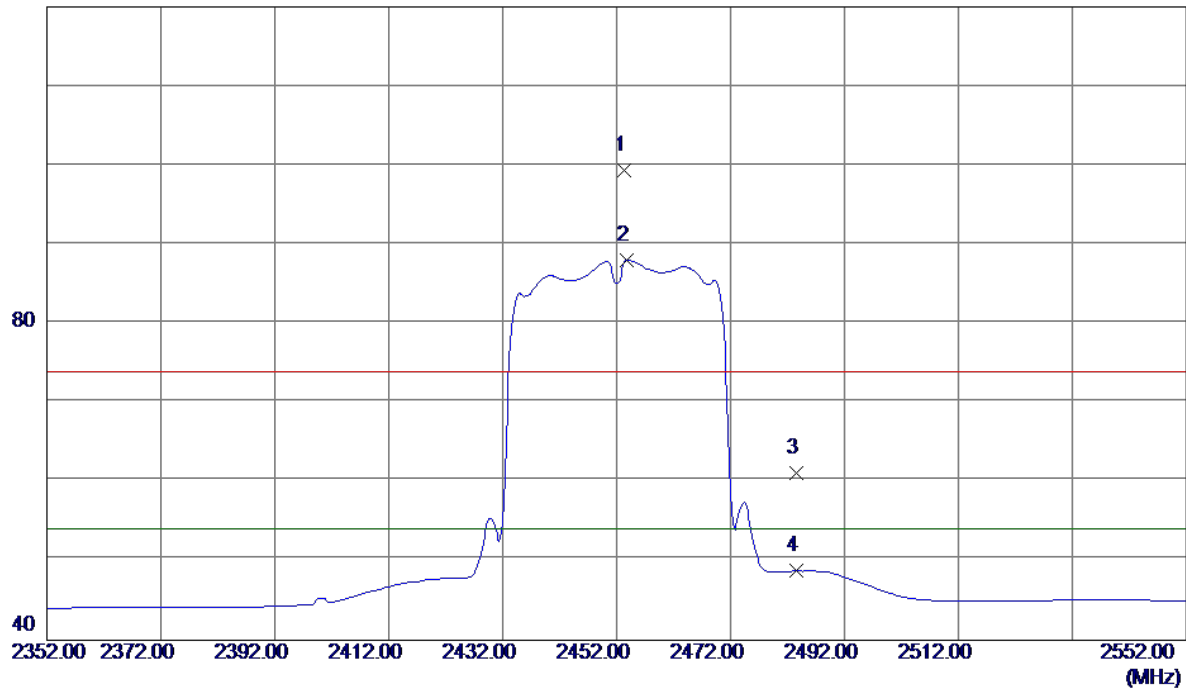


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.7000	40.44	6.00	46.44	74.00	-27.56	Peak	
2	4873.7000	28.46	6.00	34.46	54.00	-19.54	AVG	

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

Horizontal

120 dBuV/m

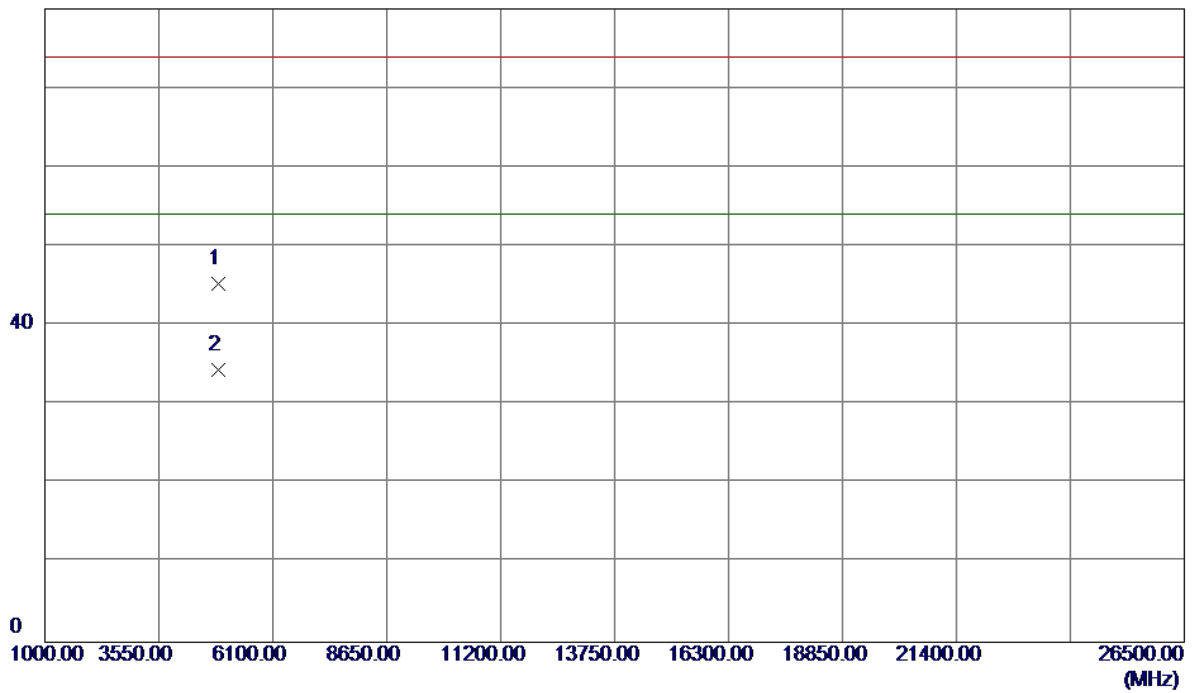


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2453.4000	66.63	32.77	99.40	74.00	25.40	Peak	NO LIMIT
2	2453.8000	55.29	32.77	88.06	54.00	34.06	AVG	NO LIMIT
3	2483.5000	28.28	32.81	61.09	74.00	-12.91	Peak	
4	2483.5000	15.96	32.81	48.77	54.00	-5.23	AVG	

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

Horizontal

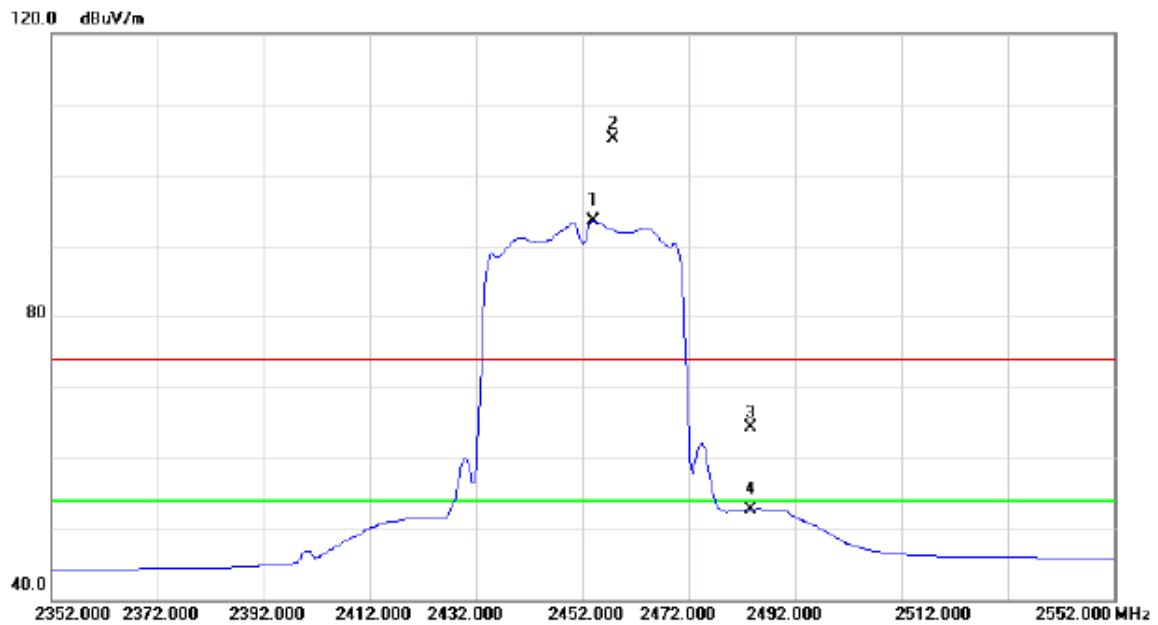
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4874.1000	39.29	6.00	45.29	74.00	-28.71	Peak	
2	4874.6000	28.36	6.01	34.37	54.00	-19.63	AVG	

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

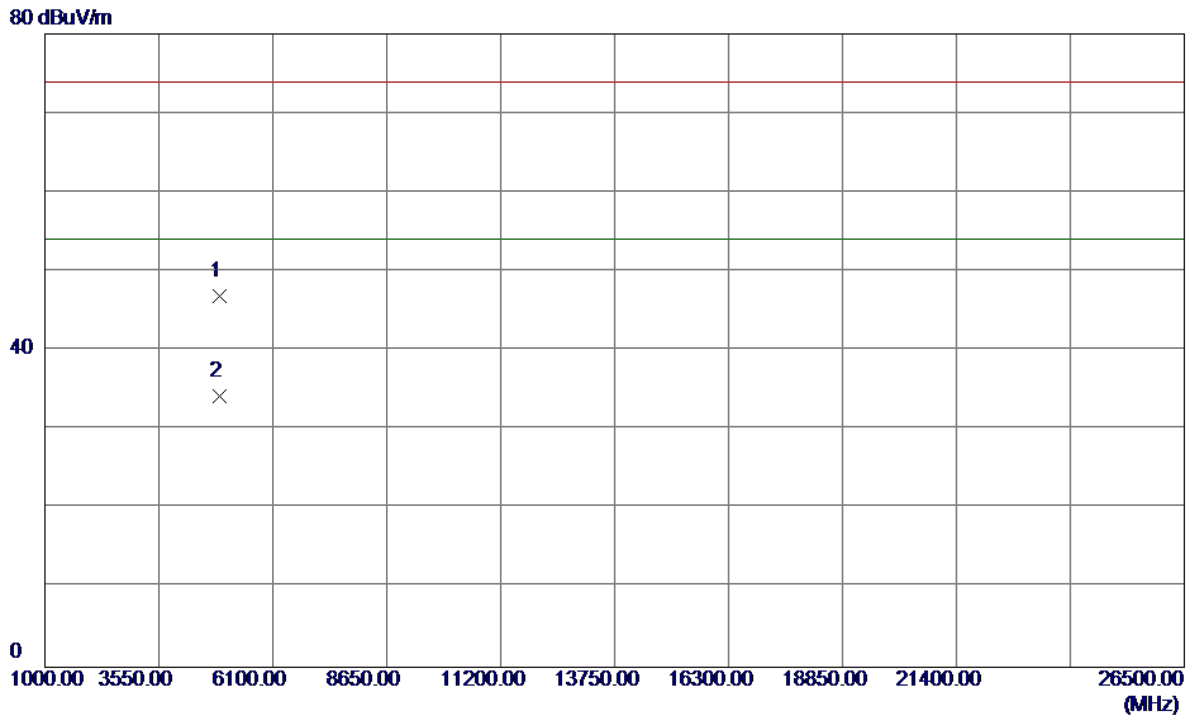
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2454.000	60.71	32.76	93.47	54.00	39.47	AVG	NO LIMIT
2	X	2457.800	72.28	32.78	105.06	74.00	31.06	peak	NO LIMIT
3		2483.500	31.58	32.81	64.39	74.00	-9.61	peak	
4		2483.500	19.93	32.81	52.74	54.00	-1.26	AVG	

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

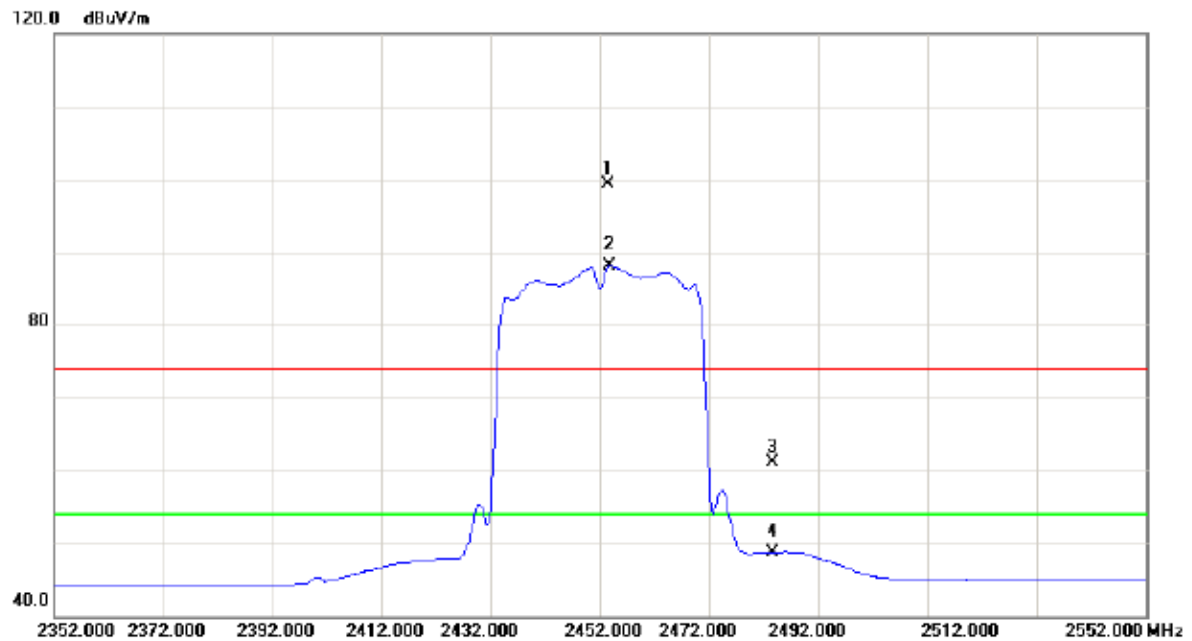
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4903.4000	40.81	6.08	46.89	74.00	-27.11	Peak	
2	4904.4000	28.10	6.08	34.18	54.00	-19.82	AVG	

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

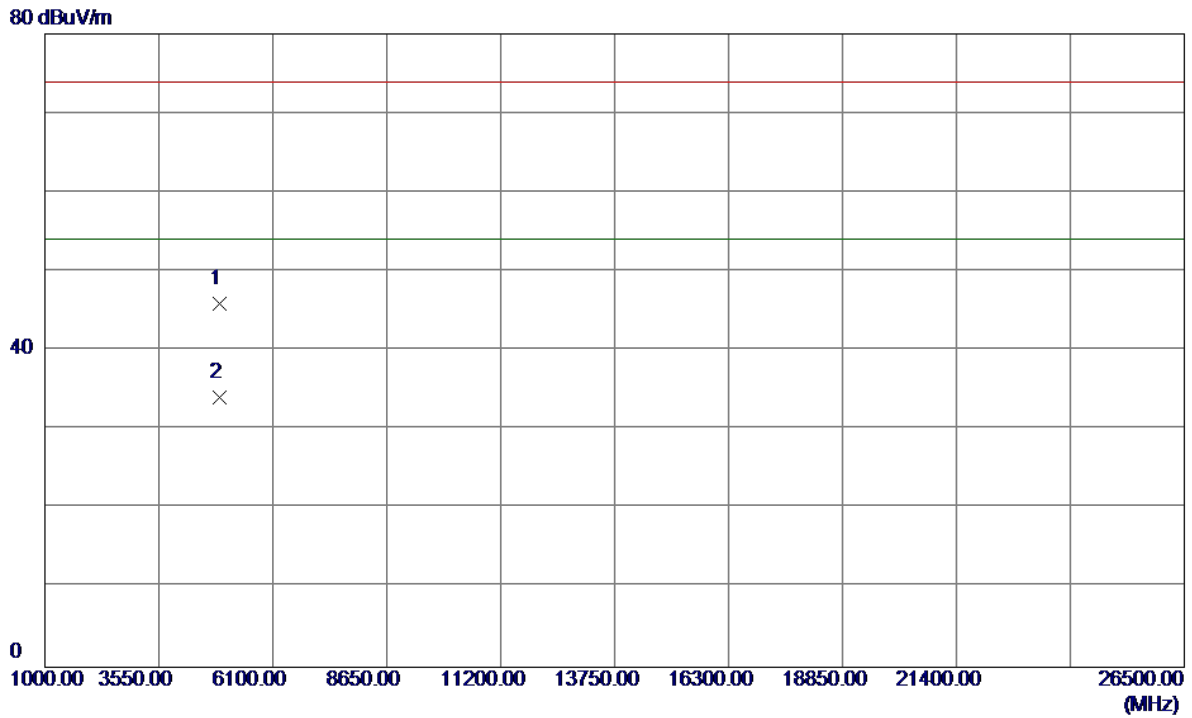
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2453.400	66.64	32.76	99.40	74.00	25.40	peak	NO LIMIT
2	*	2453.800	55.30	32.76	88.06	54.00	34.06	AVG	NO LIMIT
3		2483.500	28.28	32.81	61.09	74.00	-12.91	peak	
4		2483.500	15.96	32.81	48.77	54.00	-5.23	AVG	

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

Horizontal



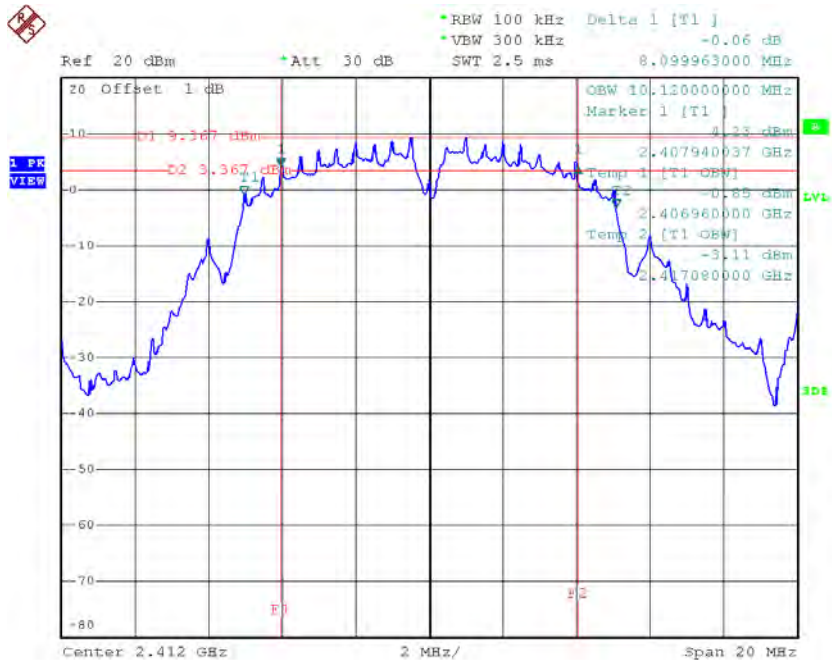
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4903.8000	39.91	6.08	45.99	74.00	-28.01	Peak	
2	4903.8000	28.07	6.08	34.15	54.00	-19.85	AVG	

ATTACHMENT E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

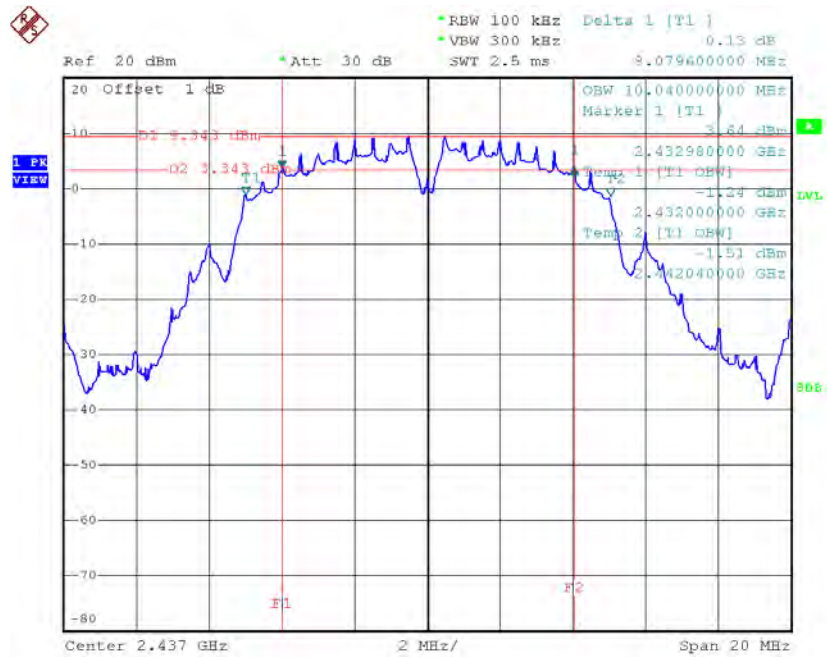
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	8.10	10.12	500	Complies
2437	8.08	10.04	500	Complies
2462	7.68	10.12	500	Complies

TX CH01



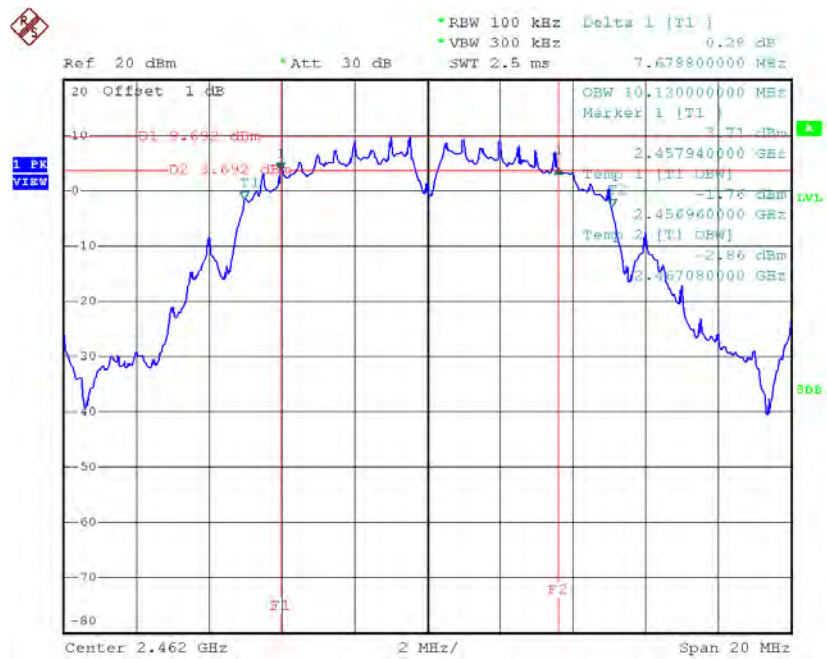
Date: 12.OCT.2015 17:06:08

TX CH06



Date: 12.OCT.2015 17:07:40

TX CH11

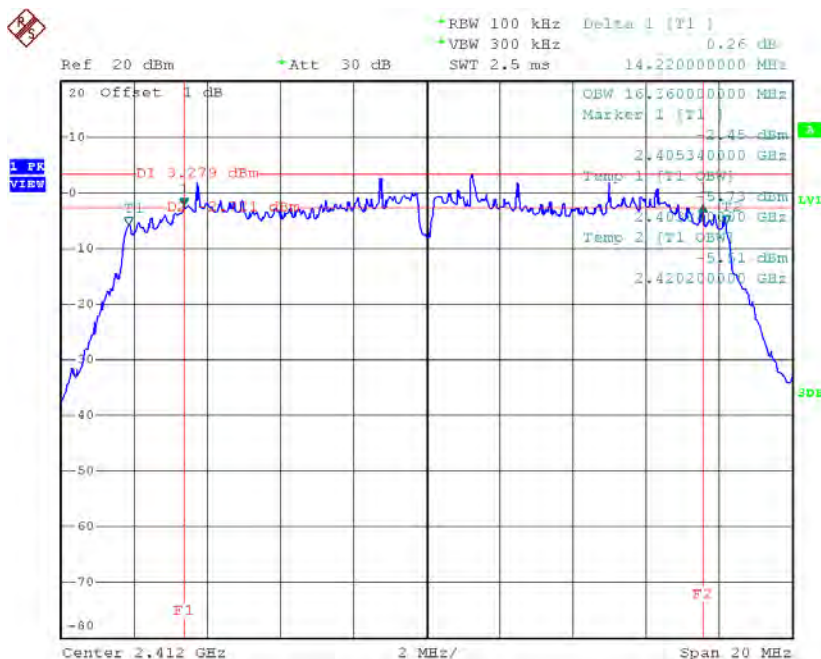


Date: 12.OCT.2015 17:08:55

Test Mode: TX G Mode_CH01/06/11

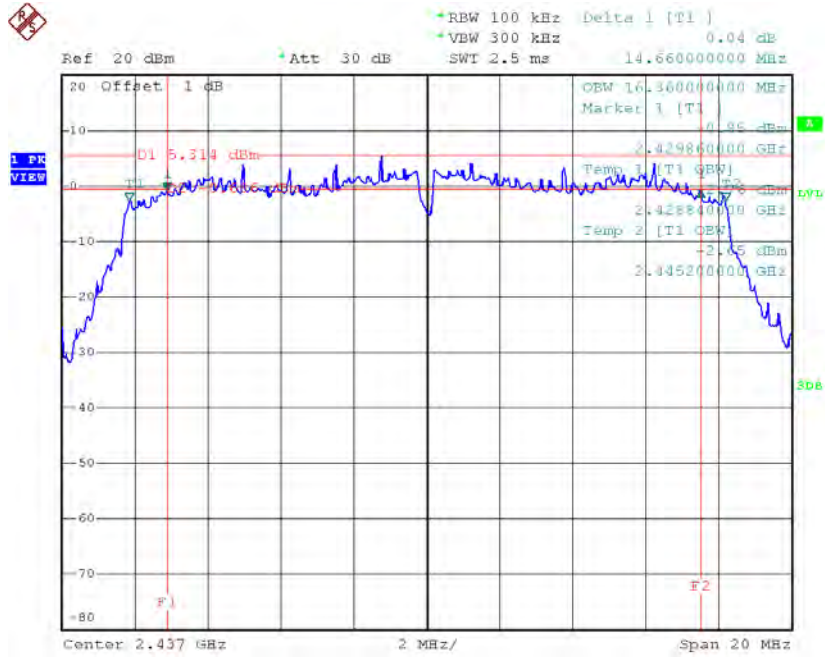
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	14.22	16.36	500	Complies
2437	14.66	16.36	500	Complies
2462	15.12	16.32	500	Complies

TX CH01



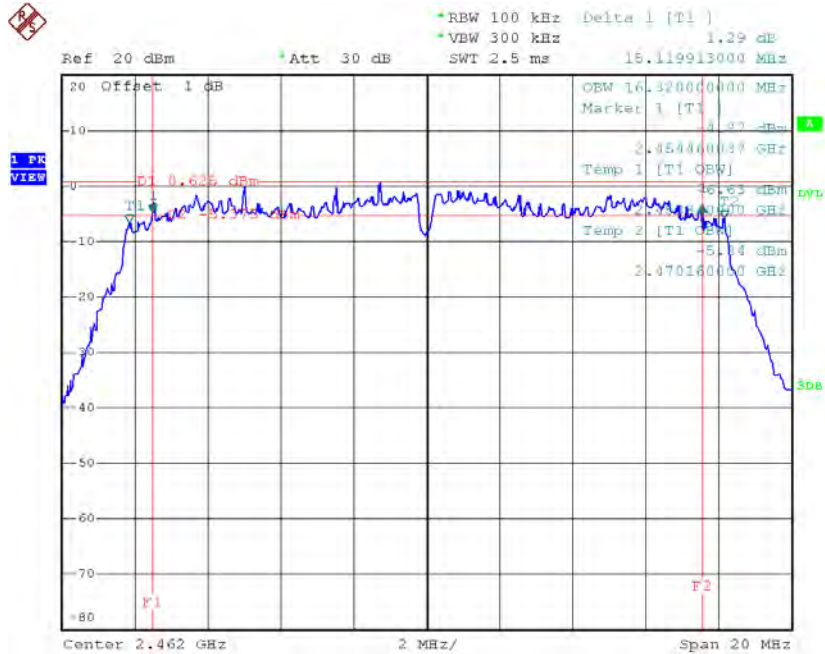
Date: 12.OCT.2015 17:14:41

TX CH06



Date: 12.OCT.2015 17:16:17

TX CH11

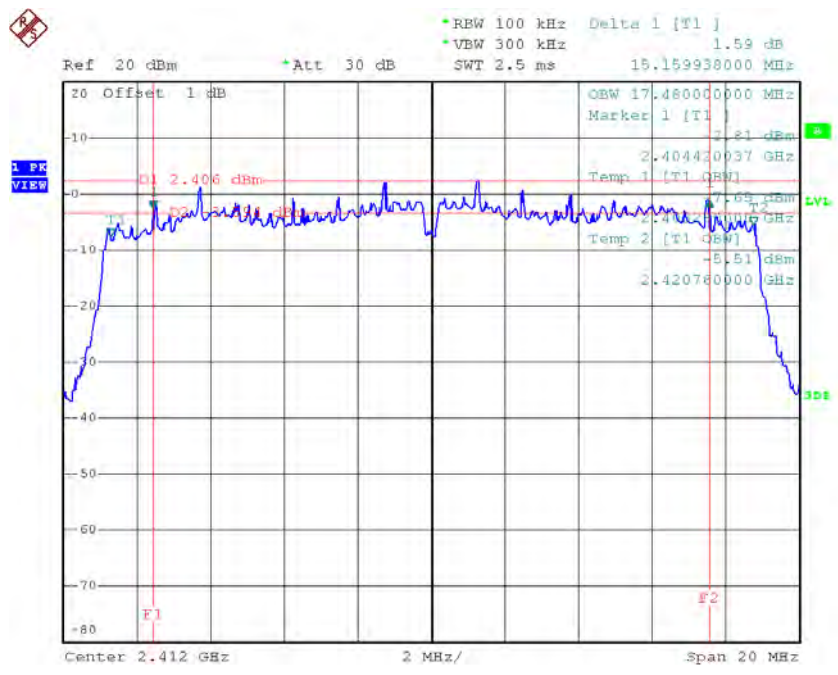


Date: 12.OCT.2015 17:17:26

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

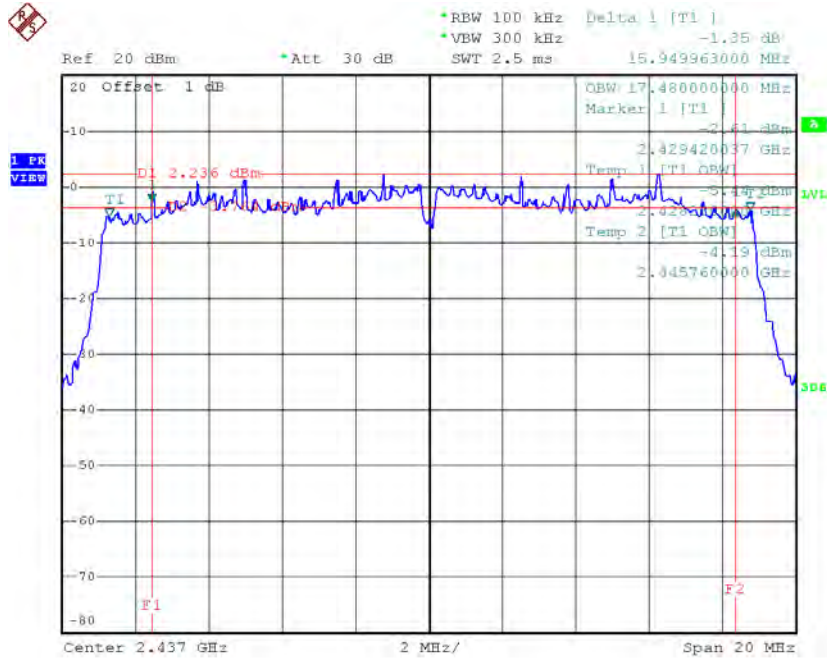
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.16	17.48	500	Complies
2437	15.95	17.48	500	Complies
2462	14.72	17.48	500	Complies

TX CH01



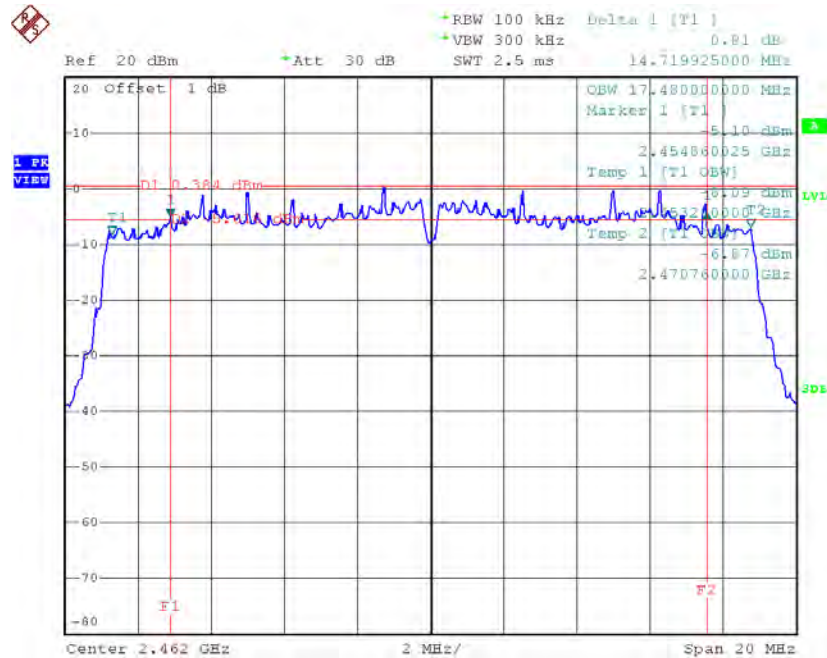
Date: 13.OCT.2015 15:17:18

TX CH06



Date: 13.OCT.2015 15:18:27

TX CH11

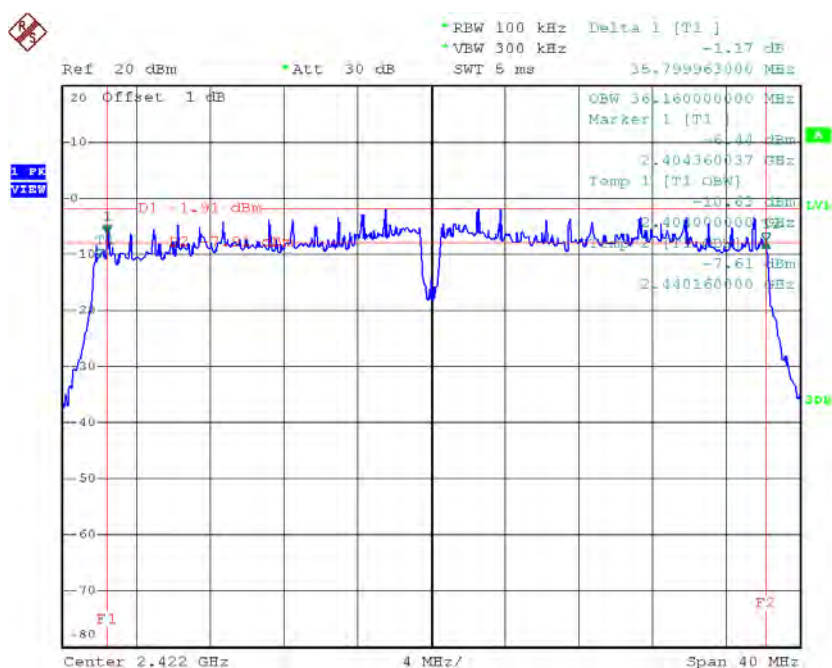


Date: 13.OCT.2015 15:19:31

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

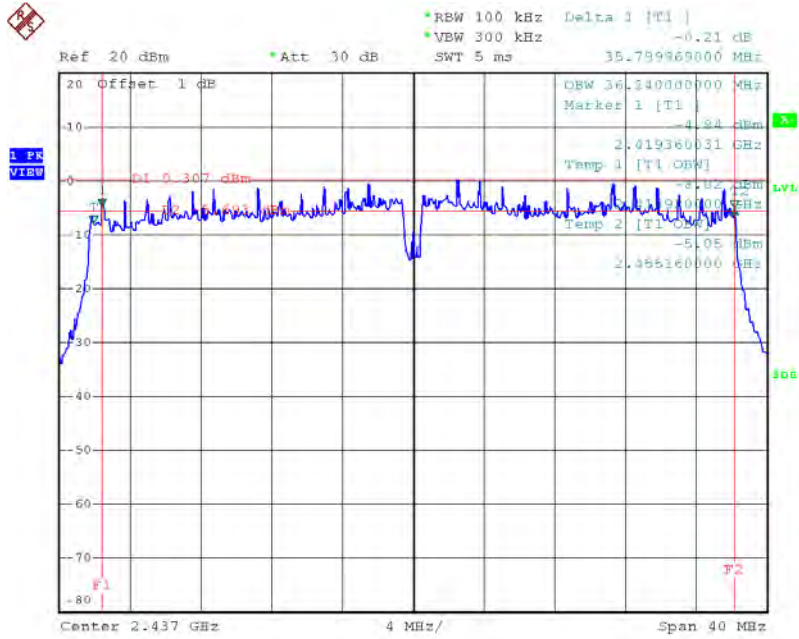
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.80	36.16	500	Complies
2437	35.80	36.24	500	Complies
2452	35.84	36.24	500	Complies

TX CH03



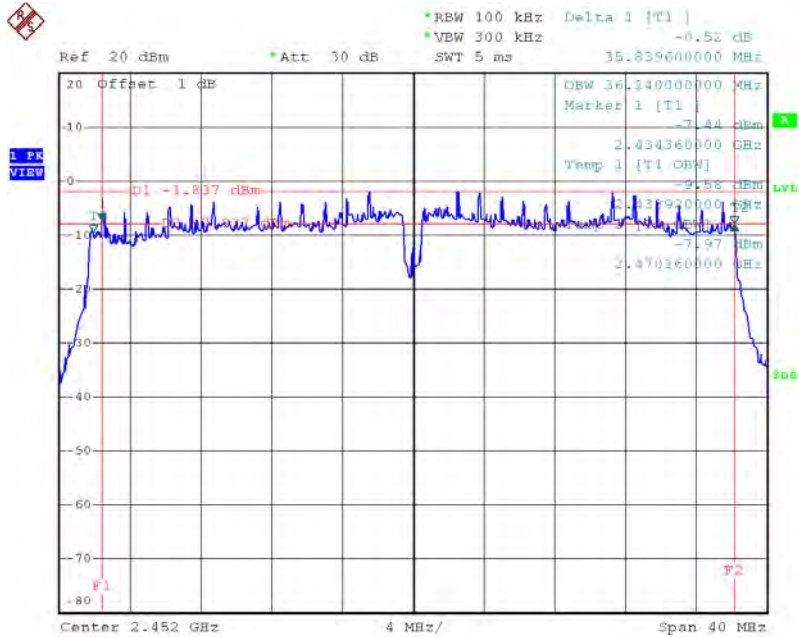
Date: 13.OCT.2015 15:25:12

TX CH06



Date: 13.OCT.2015 15:26:18

TX CH09



Date: 13.OCT.2015 15:27:32

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	21.01	0.13	30.00	1.00	Complies
2437	20.74	0.12	30.00	1.00	Complies
2462	20.62	0.12	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	21.55	0.14	30.00	1.00	Complies
2437	22.88	0.19	30.00	1.00	Complies
2462	20.44	0.11	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.16	0.13	30.00	1.00	Complies
2437	22.33	0.17	30.00	1.00	Complies
2462	21.36	0.14	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.68	0.15	30.00	1.00	Complies
2437	21.57	0.14	30.00	1.00	Complies
2462	21.68	0.15	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.44	0.28	30.00	1.00	Complies
2437	24.98	0.31	30.00	1.00	Complies
2462	24.53	0.28	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	20.92	0.12	30.00	1.00	Complies
2437	22.11	0.16	30.00	1.00	Complies
2452	20.16	0.10	30.00	1.00	Complies

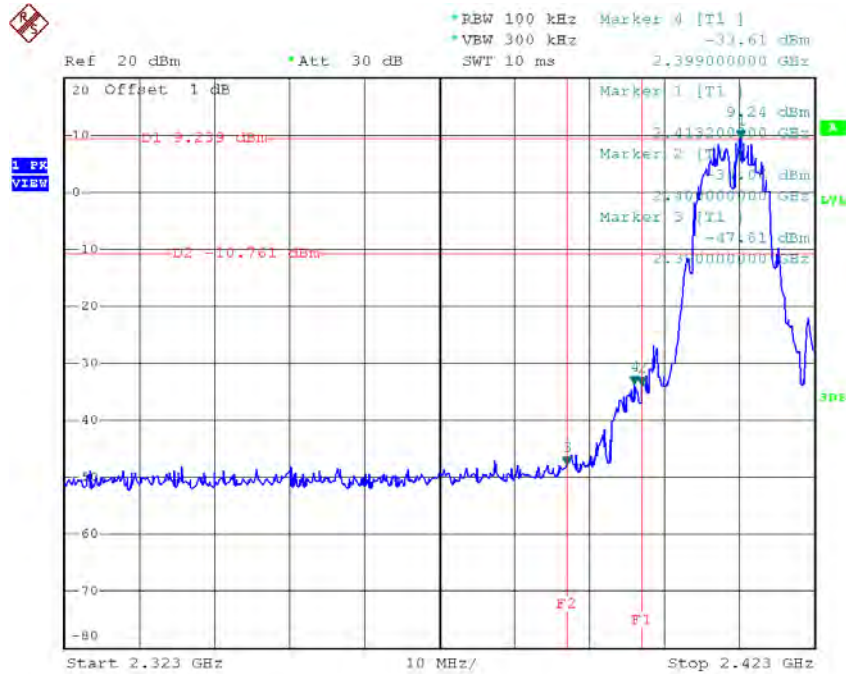
Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	20.67	0.12	30.00	1.00	Complies
2437	22.91	0.20	30.00	1.00	Complies
2452	20.78	0.12	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.81	0.24	30.00	1.00	Complies
2437	25.54	0.36	30.00	1.00	Complies
2452	23.49	0.22	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

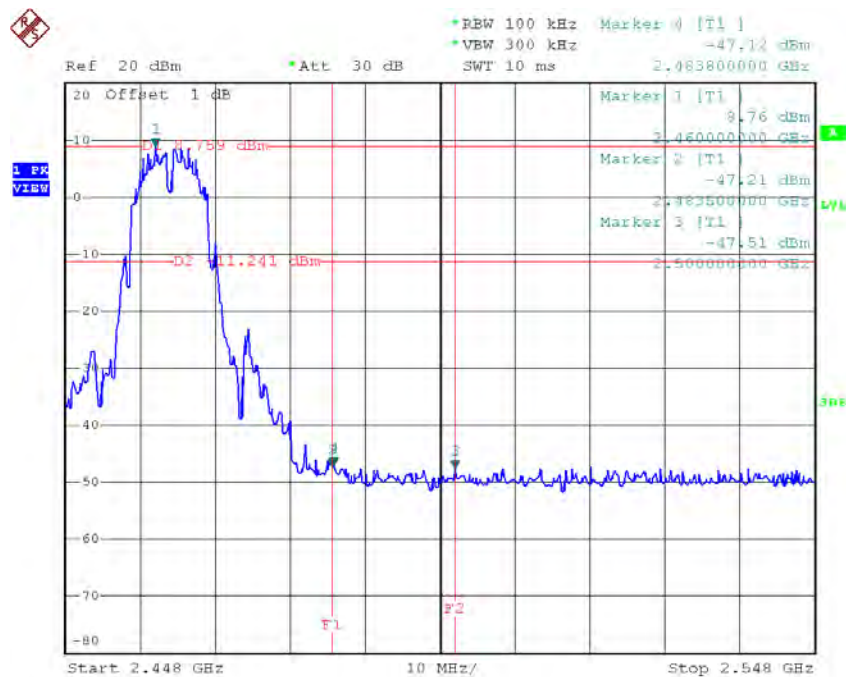
Test Mode : TX B Mode

TX B mode CH01



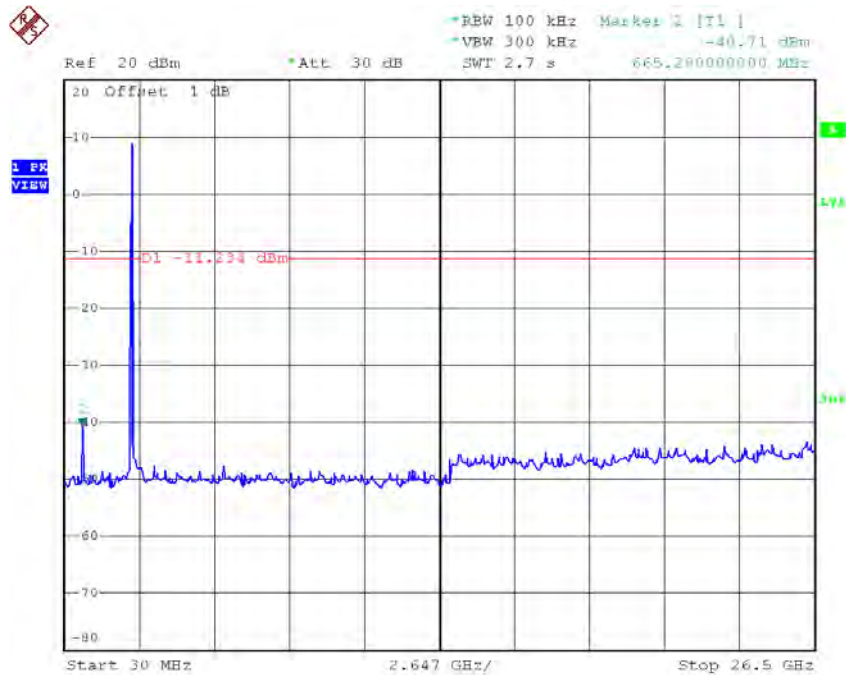
Date: 12.OCT.2015 17:06:29

TX B mode CH11



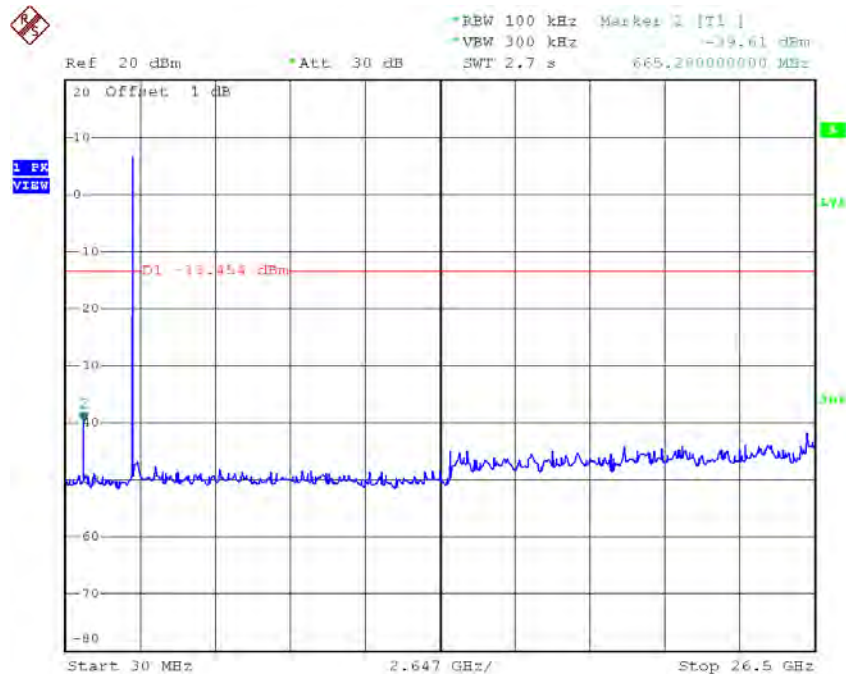
Date: 12.OCT.2015 17:09:17

TX B mode CH01 (10 Harmonic of the frequency)



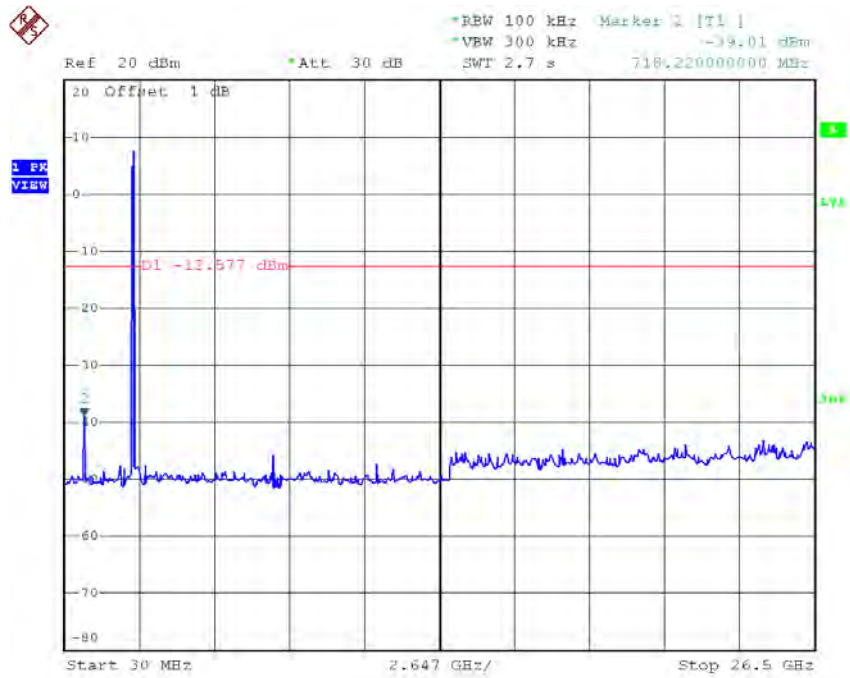
Date: 12.OCT.2015 17:06:21

TX B mode CH06 (10 Harmonic of the frequency)



Date: 12.OCT.2015 17:07:55

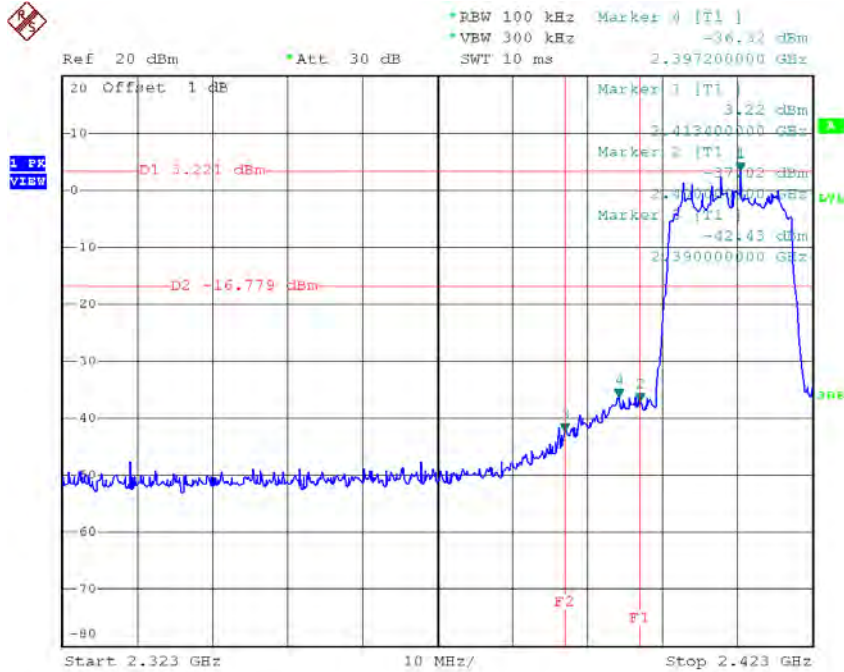
TX B mode CH11 (10 Harmonic of the frequency)



Date: 12.OCT.2015 17:09:09

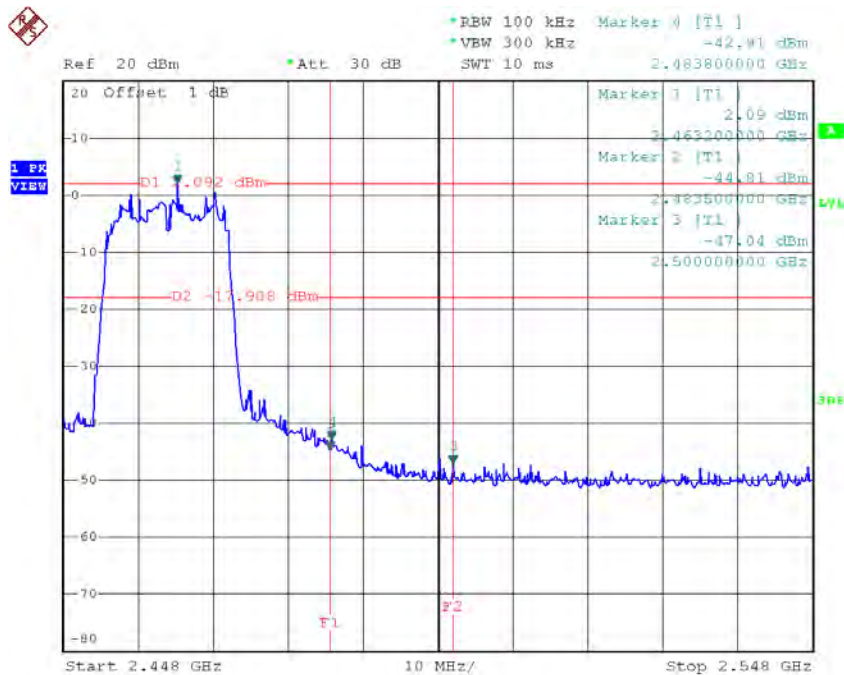
Test Mode : TX G Mode

TX G mode CH01



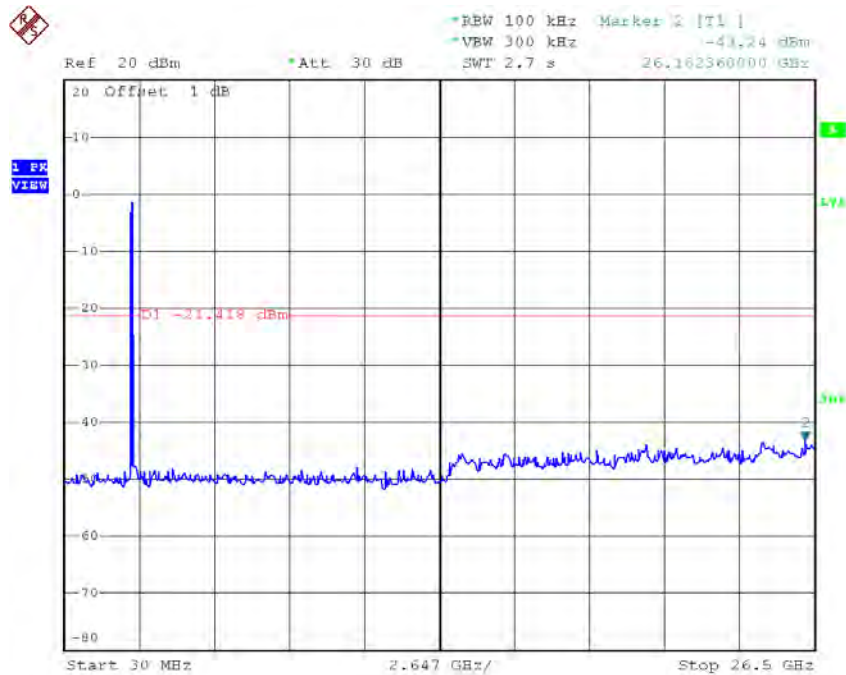
Date: 12.OCT.2015 17:15:03

TX G mode CH11



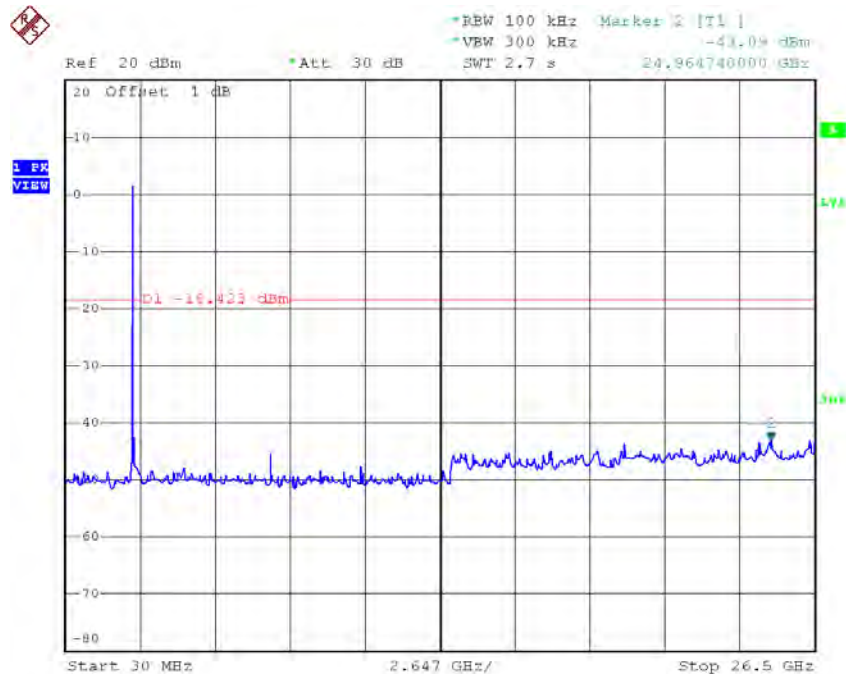
Date: 12.OCT.2015 17:17:48

TX G mode CH01 (10 Harmonic of the frequency)



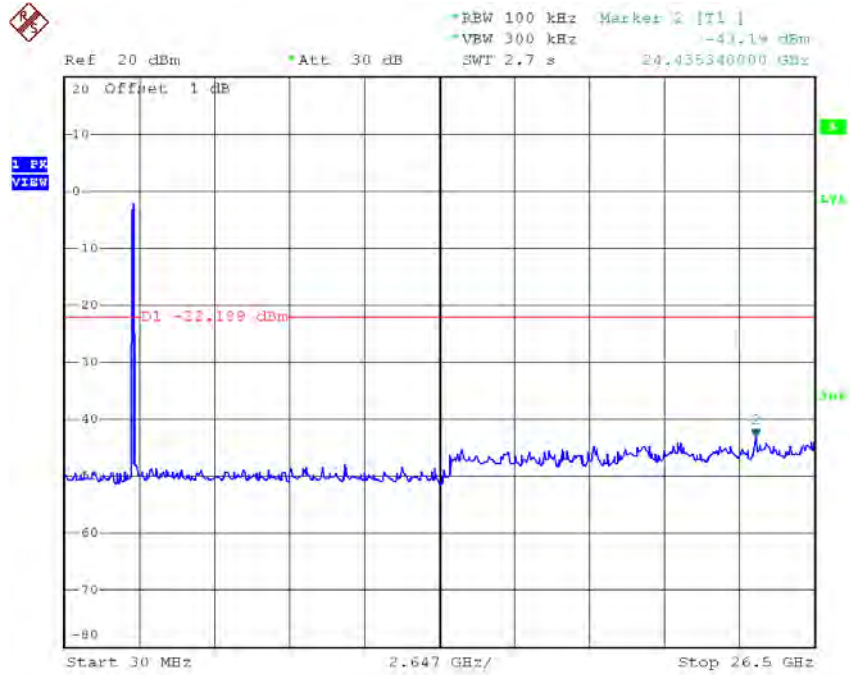
Date: 12.OCT.2015 17:14:56

TX G mode CH06 (10 Harmonic of the frequency)



Date: 12.OCT.2015 17:16:30

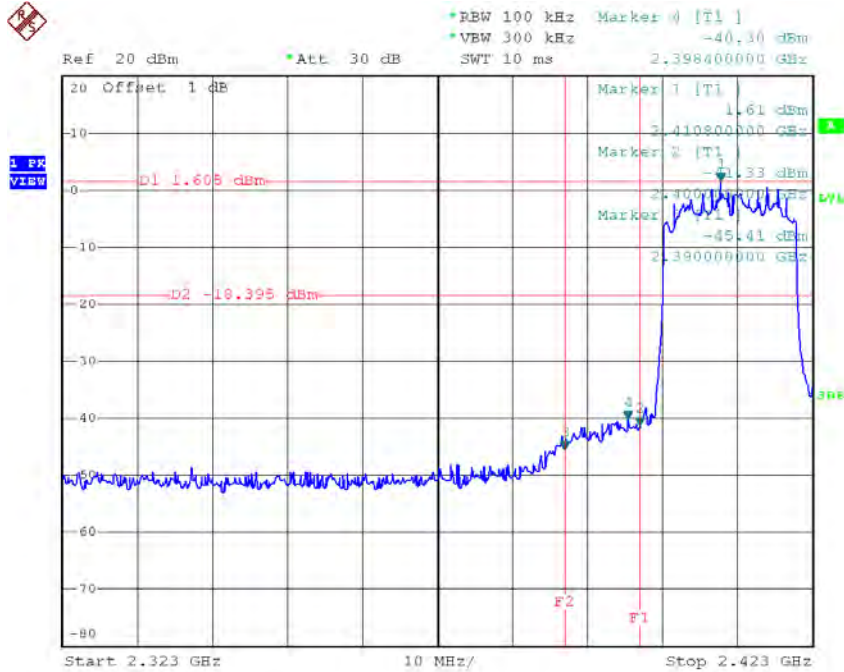
TX G mode CH11 (10 Harmonic of the frequency)



Date: 12.OCT.2015 17:17:40

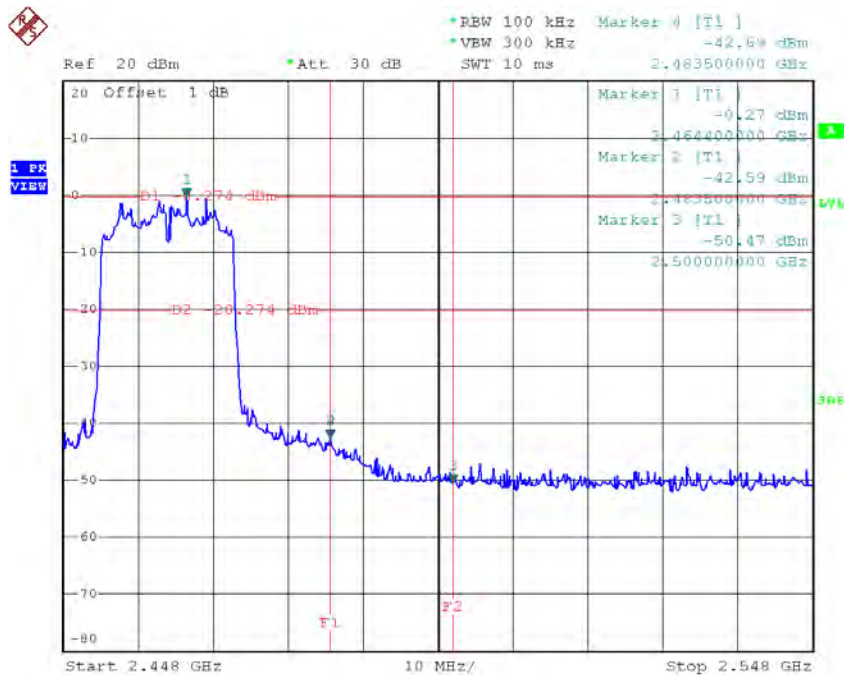
Test Mode : TX N-20M Mode_ANT 1

TX HT20 mode CH01



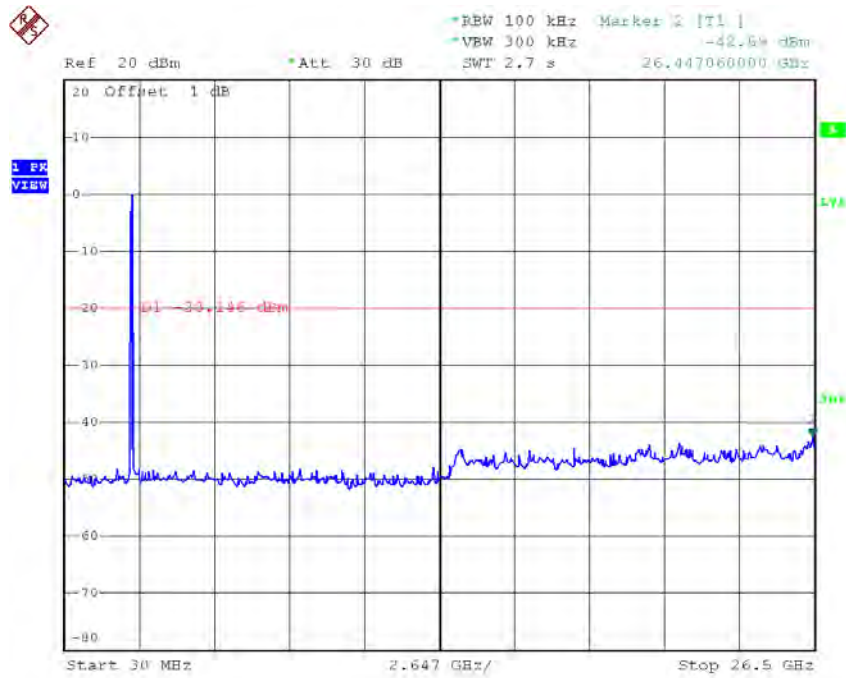
Date: 13.OCT.2015 15:17:40

TX HT20 mode CH11



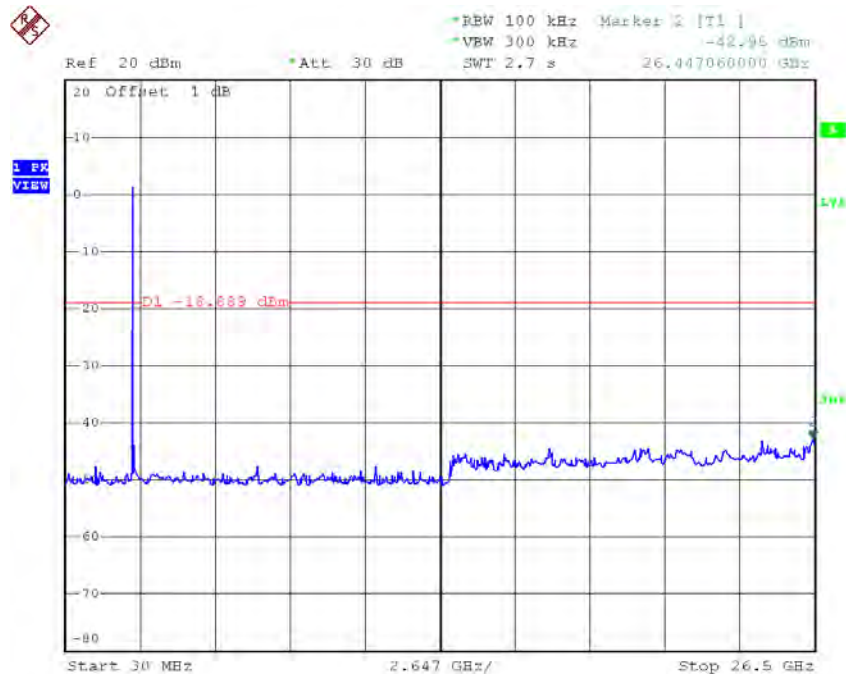
Date: 13.OCT.2015 15:19:52

TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 13.OCT.2015 15:17:32

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 13.OCT.2015 15:18:40

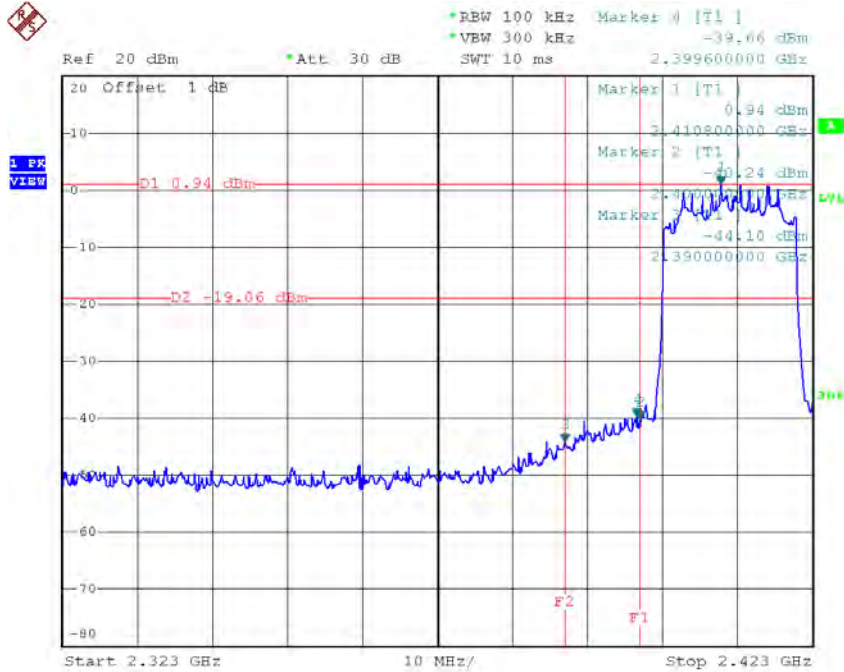
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 13.OCT.2015 15:19:45

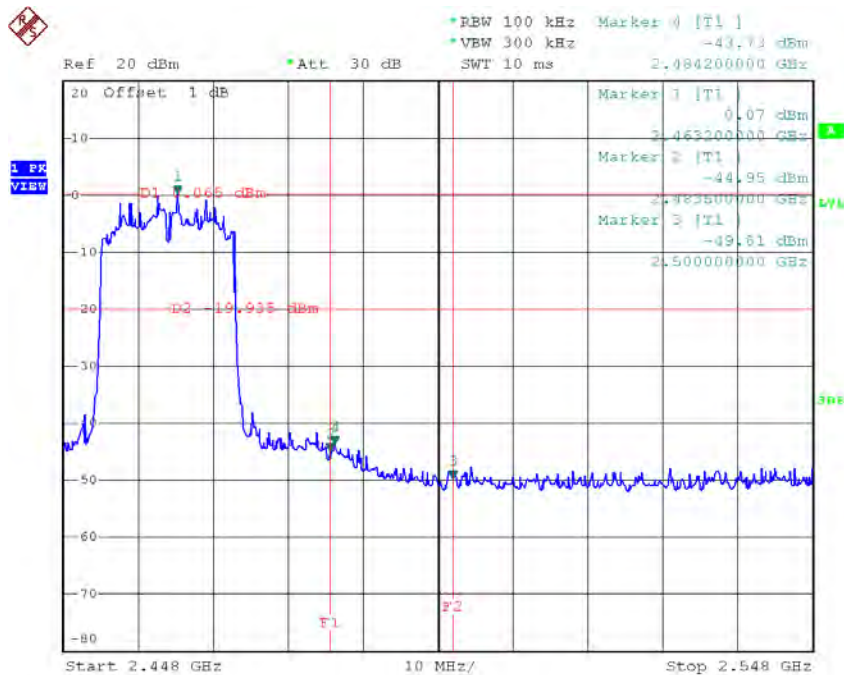
Test Mode : TX N-20M Mode_ANT 2

TX HT20 mode CH01



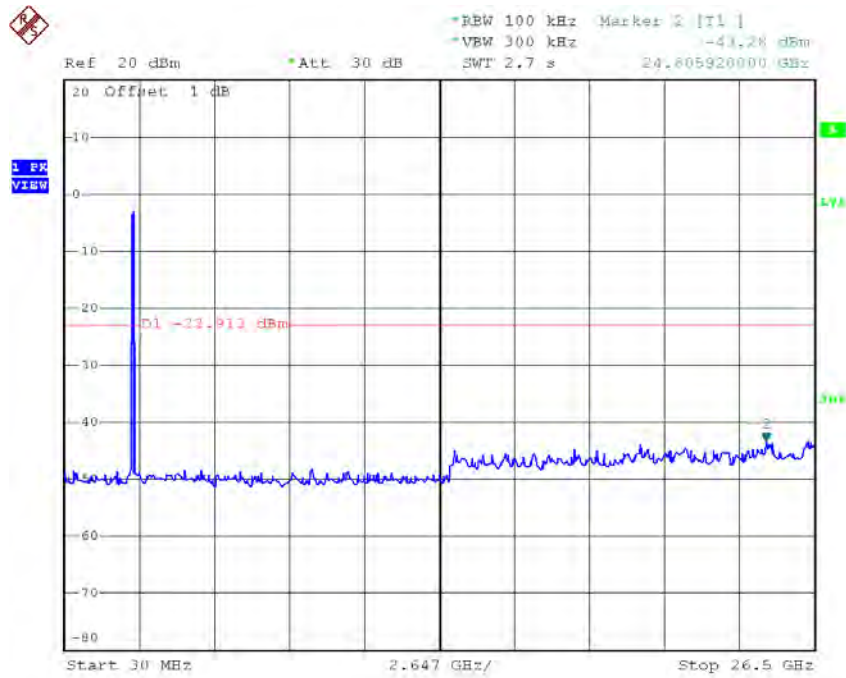
Date: 13.OCT.2015 15:21:28

TX HT20 mode CH11



Date: 13.OCT.2015 15:23:31

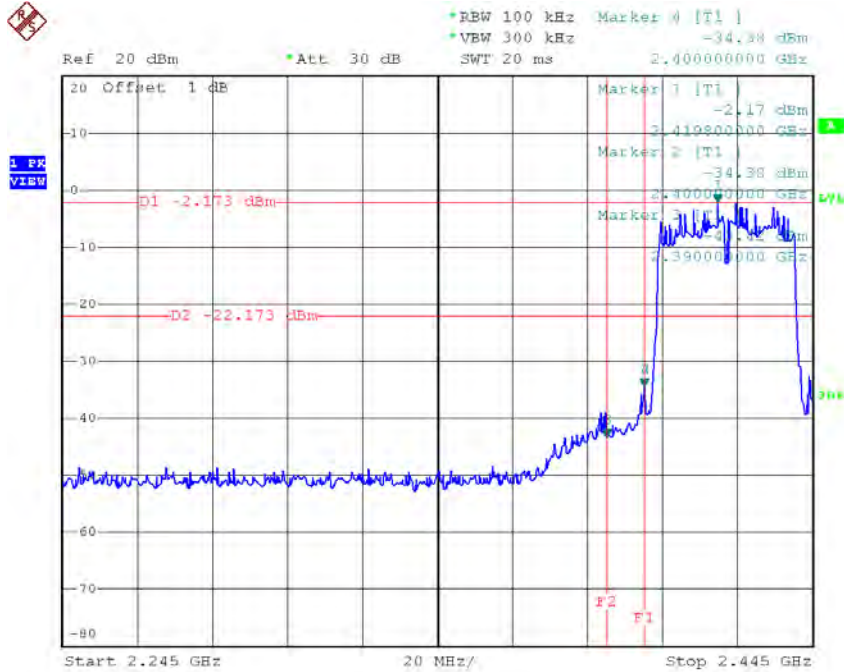
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 13.OCT.2015 15:23:23

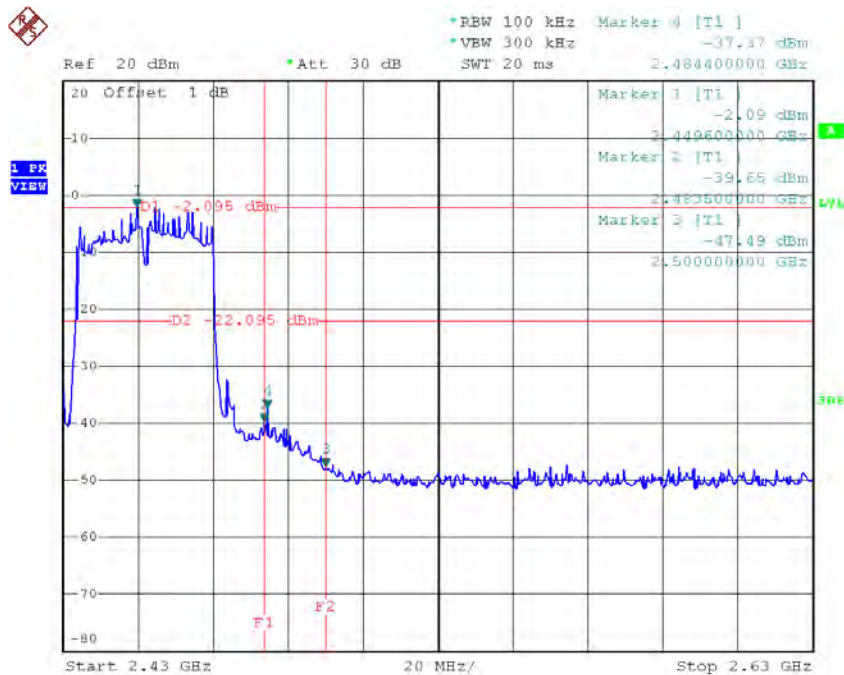
Test Mode : TX N-40M Mode_ANT 1

TX HT40 mode CH03



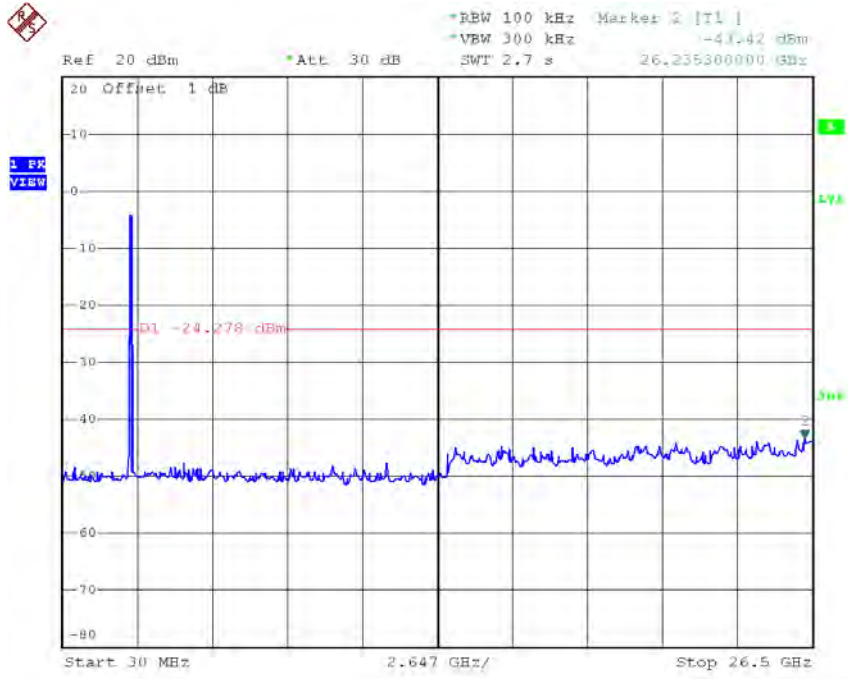
Date: 13.OCT.2015 15:25:34

TX HT40 mode CH09



Date: 13.OCT.2015 15:27:54

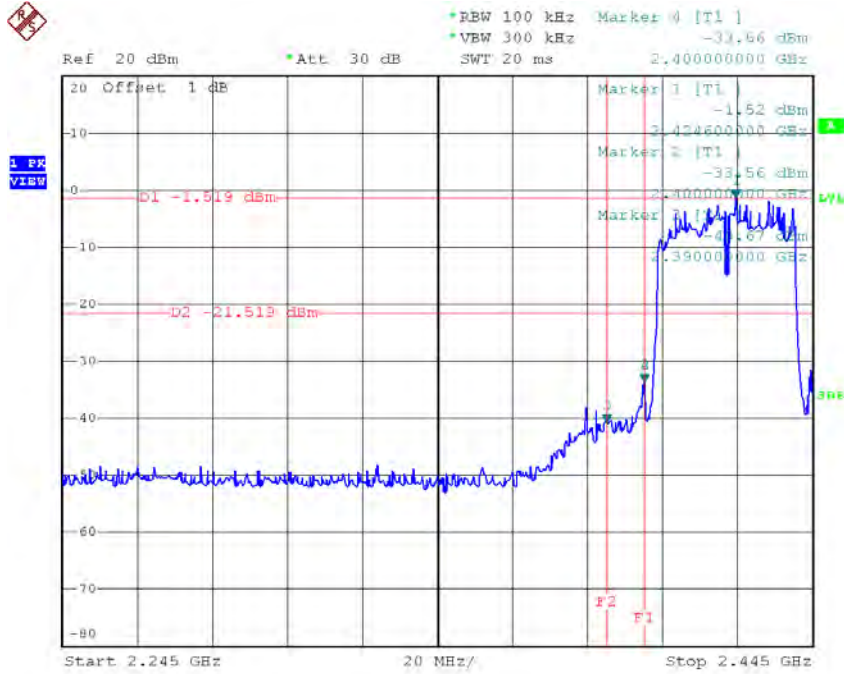
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 13.OCT.2015 15:27:46

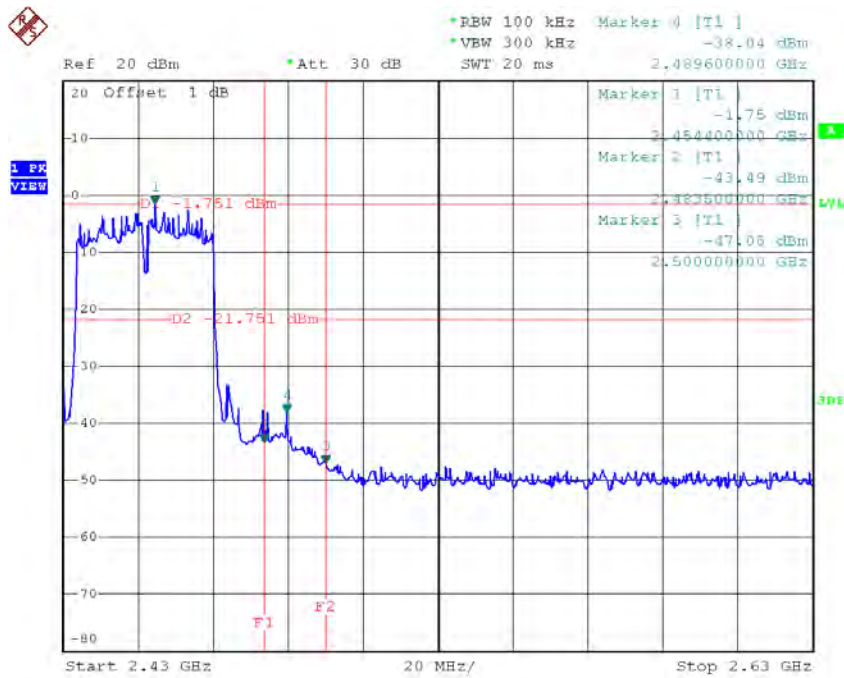
Test Mode : TX N-40M Mode_ANT 2

TX HT40 mode CH03



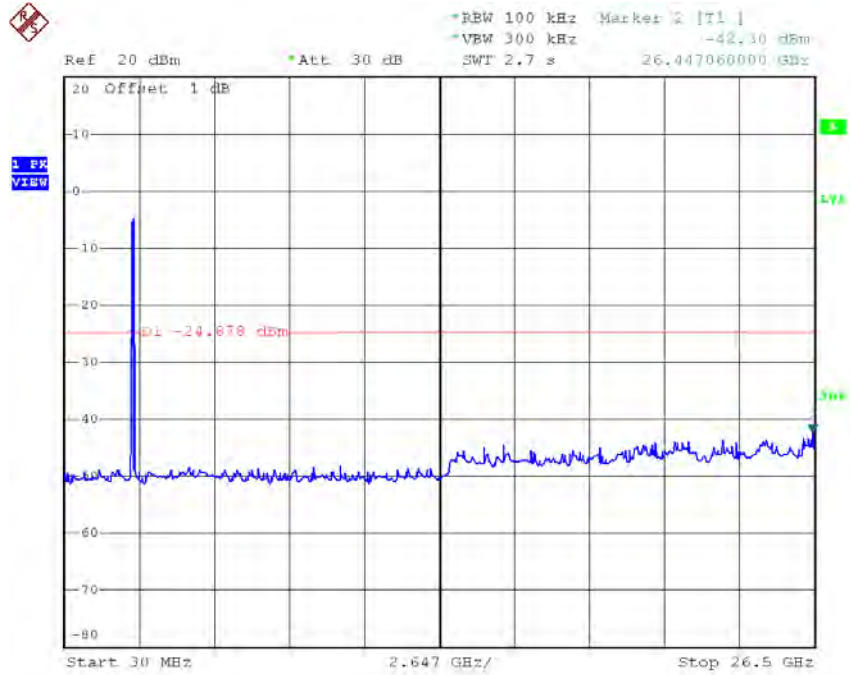
Date: 13.OCT.2015 15:29:17

TX HT40 mode CH09



Date: 13.OCT.2015 15:31:20

TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 13.OCT.2015 15:31:13

ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-7.87	0.16	8.00	Complies
2437	-7.31	0.19	8.00	Complies
2462	-8.88	0.13	8.00	Complies

TX CH01



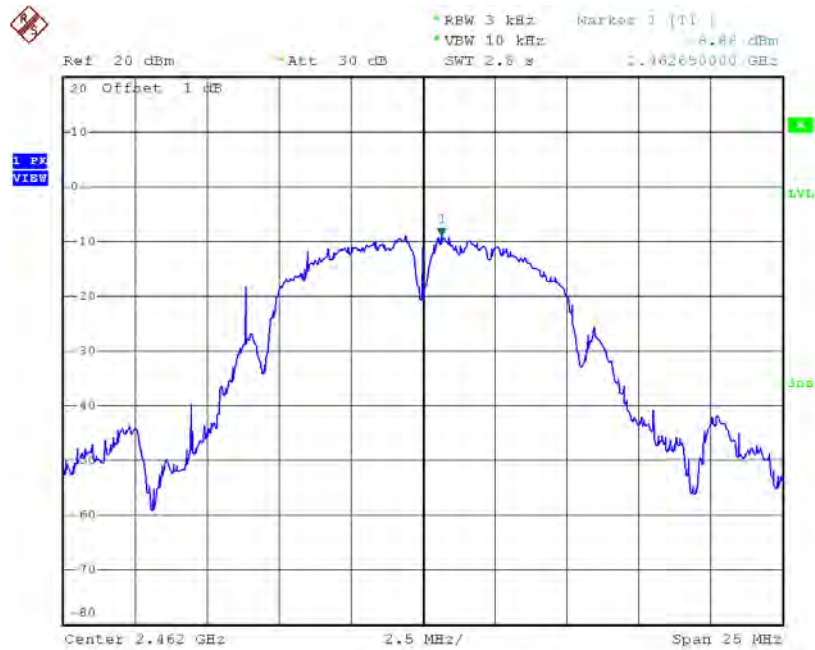
Date: 12.OCT.2015 17:13:06

TX CH06



Date: 12.OCT.2015 17:08:04

TX CH11

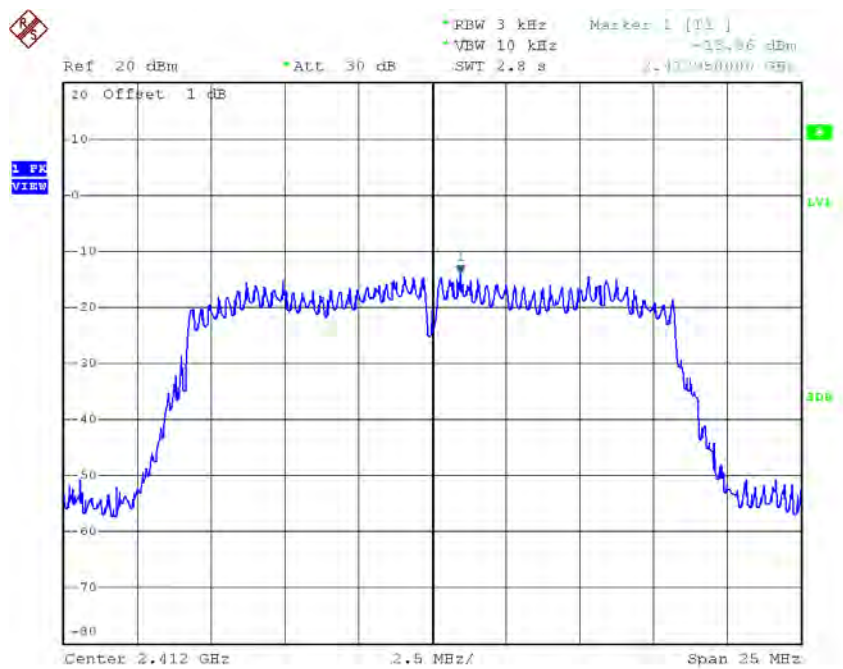


Date: 12.OCT.2015 17:12:30

Test Mode :TX G Mode_CH01/06/11

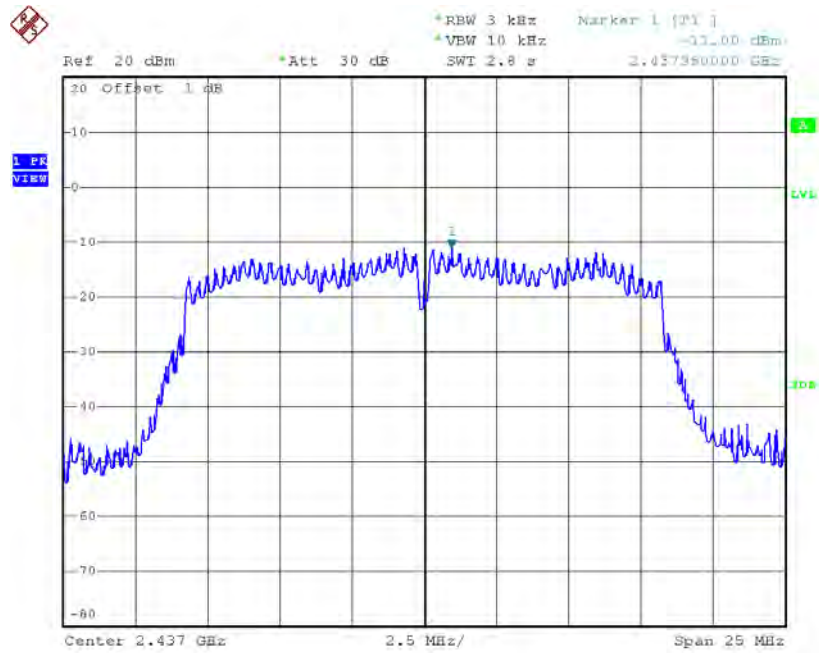
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-13.86	0.04	8.00	Complies
2437	-11.00	0.08	8.00	Complies
2462	-15.42	0.03	8.00	Complies

TX CH01



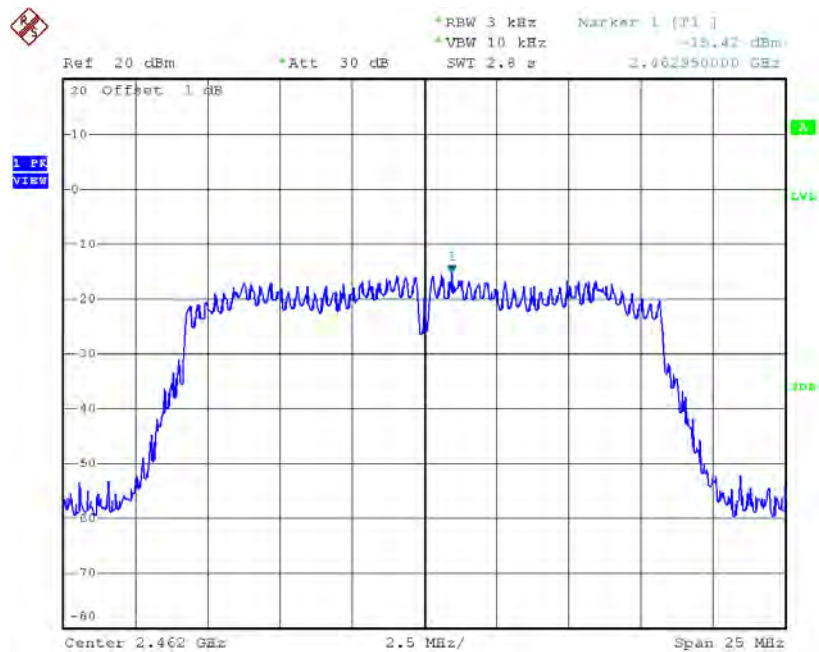
Date: 12.OCT.2015 17:15:12

TX CH06



Date: 12.OCT.2015 17:16:39

TX CH11

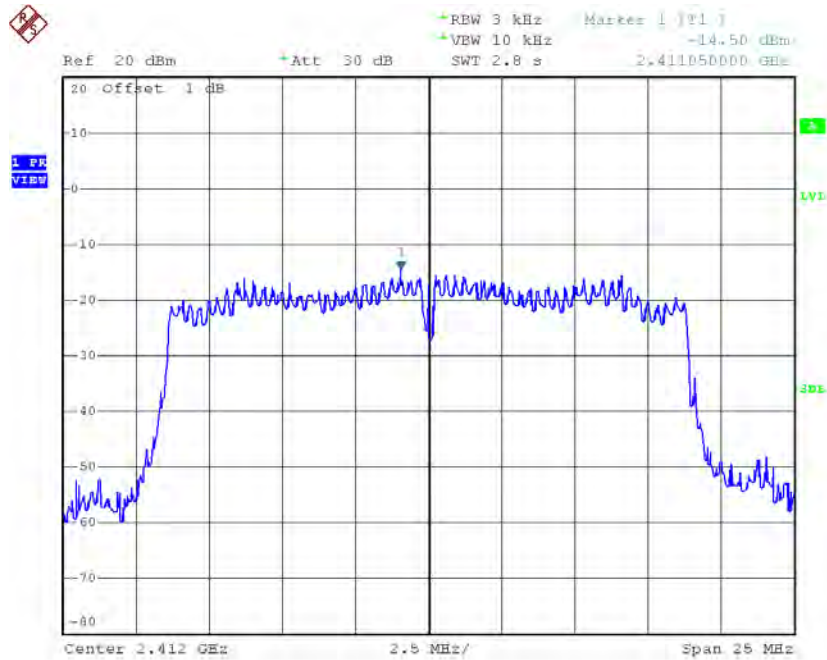


Date: 12.OCT.2015 17:17:57

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

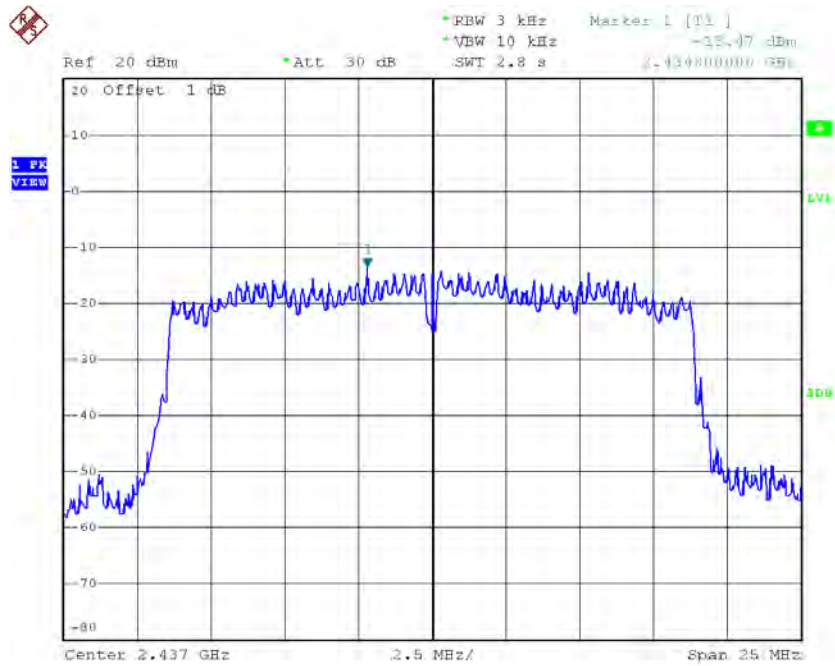
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.50	0.04	8.00	Complies
2437	-13.47	0.04	8.00	Complies
2462	-16.39	0.02	8.00	Complies

TX CH01



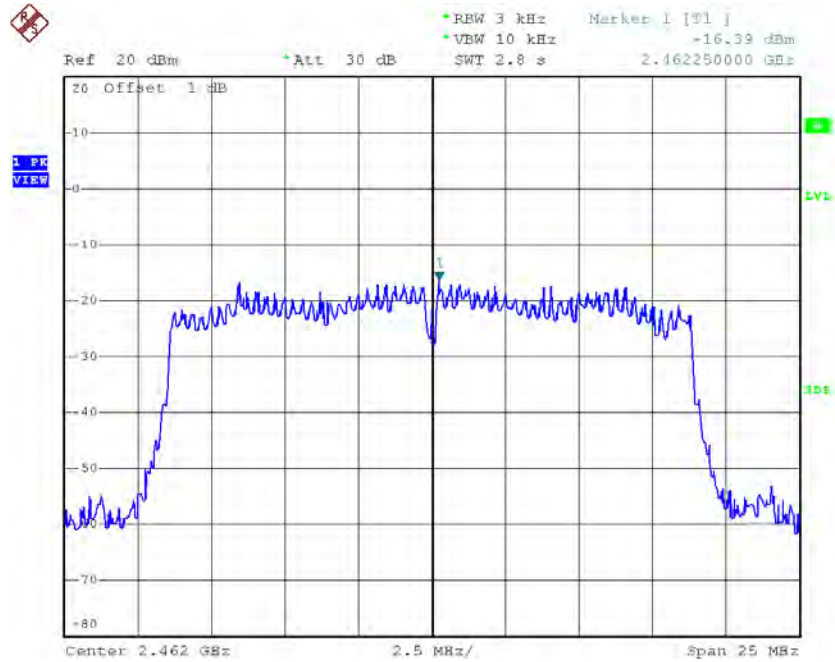
Date: 13.OCT.2015 15:17:49

TX CH06



Date: 13.OCT.2015 15:18:49

TX CH11

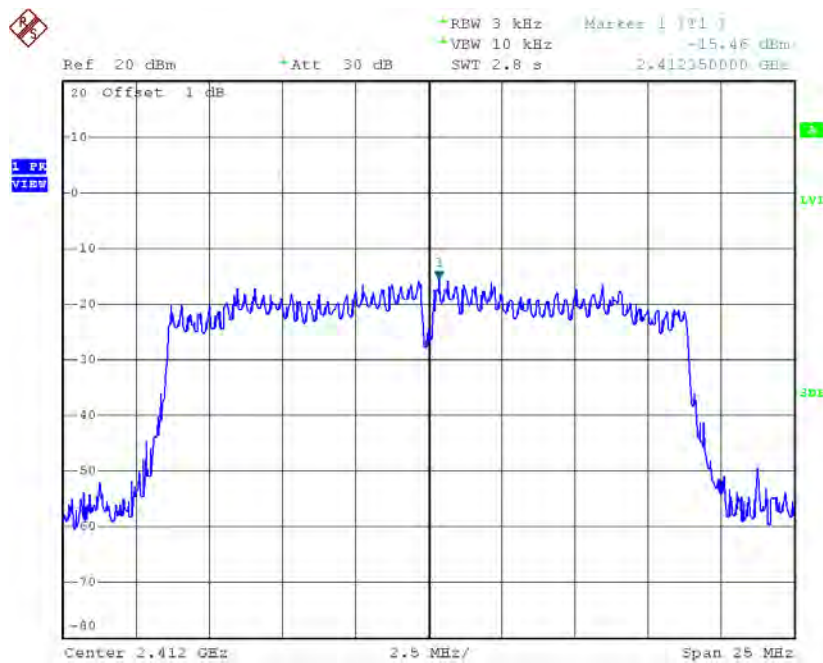


Date: 13.OCT.2015 15:20:02

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

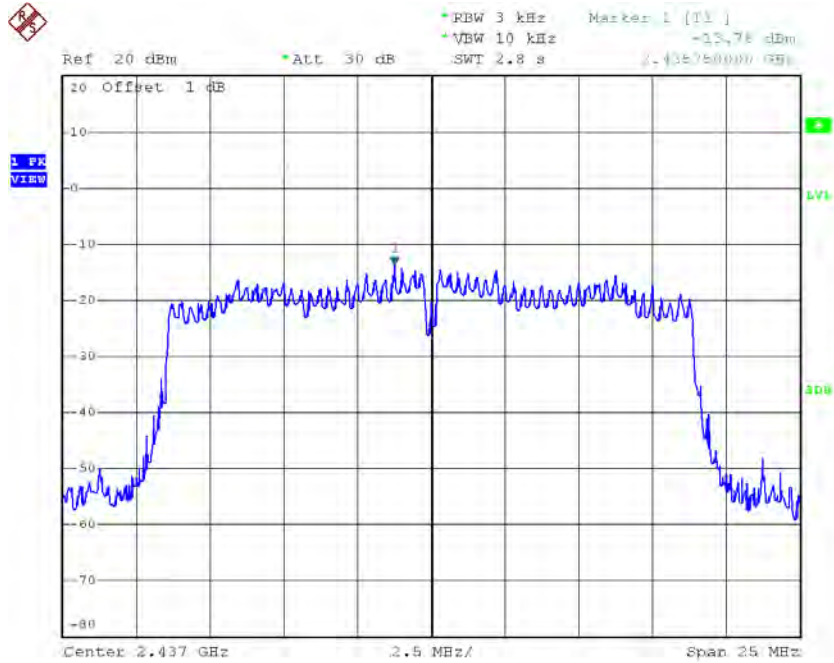
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-15.46	0.03	8.00	Complies
2437	-13.78	0.04	8.00	Complies
2462	-16.26	0.02	8.00	Complies

TX CH01



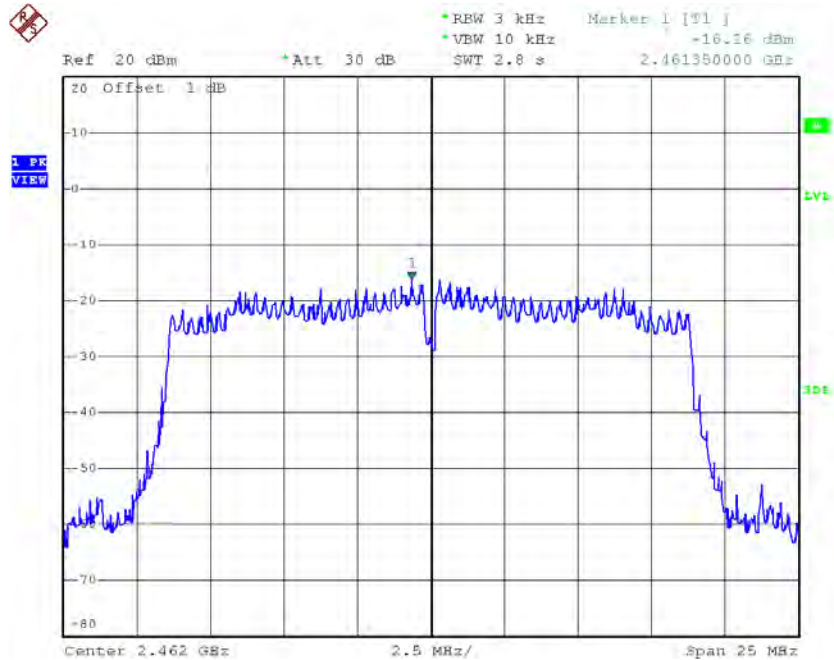
Date: 13.OCT.2015 15:21:38

TX CH06



Date: 13.OCT.2015 15:22:38

TX CH11



Date: 13.OCT.2015 15:23:40

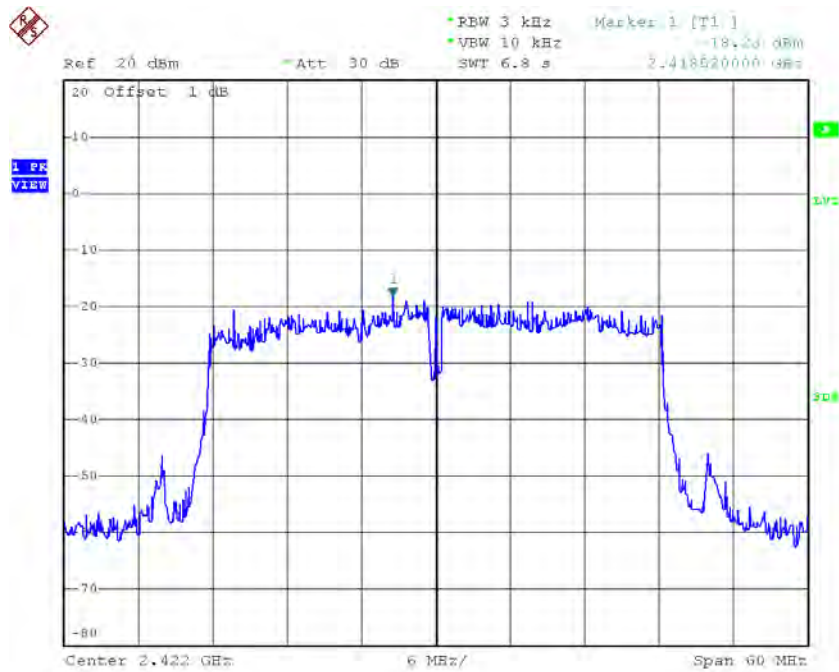
Test Mode : TX N-20M Mode_CH01/06/11_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.55	0.07	8.00	Complies
2437	-10.97	0.08	8.00	Complies
2462	-13.98	0.04	8.00	Complies

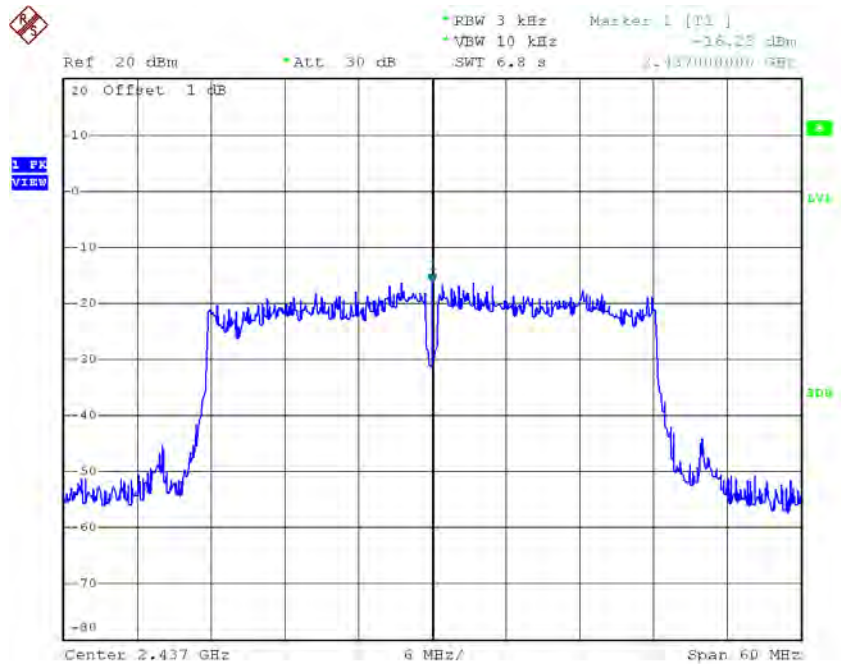
Test Mode : TX N-40M Mode_CH03/06/09_ANT 1

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-18.23	0.02	8.00	Complies
2437	-16.23	0.02	8.00	Complies
2452	-18.76	0.01	8.00	Complies

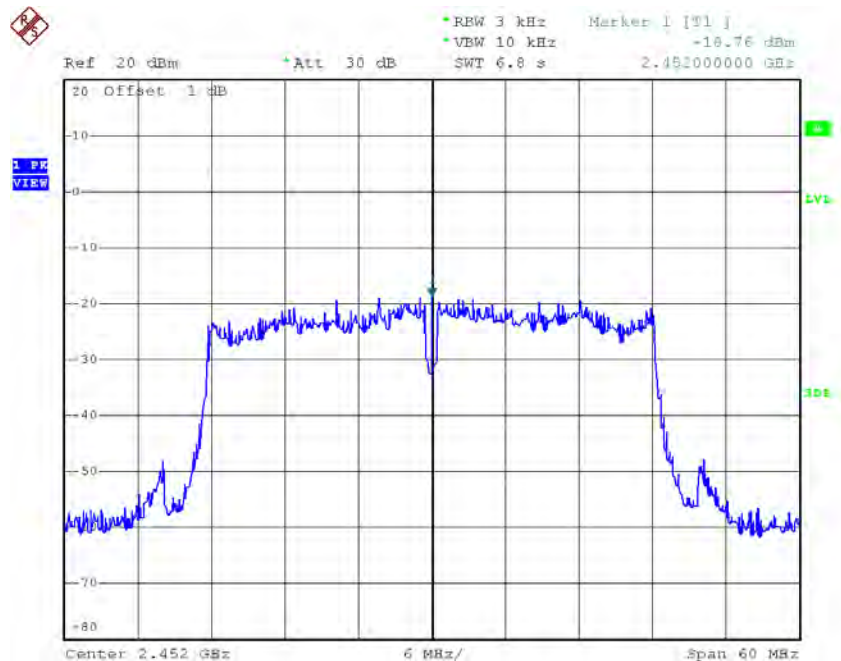
TX CH03



Date: 13.OCT.2015 15:25:46

TX CH06

Date: 13.OCT.2015 15:26:44

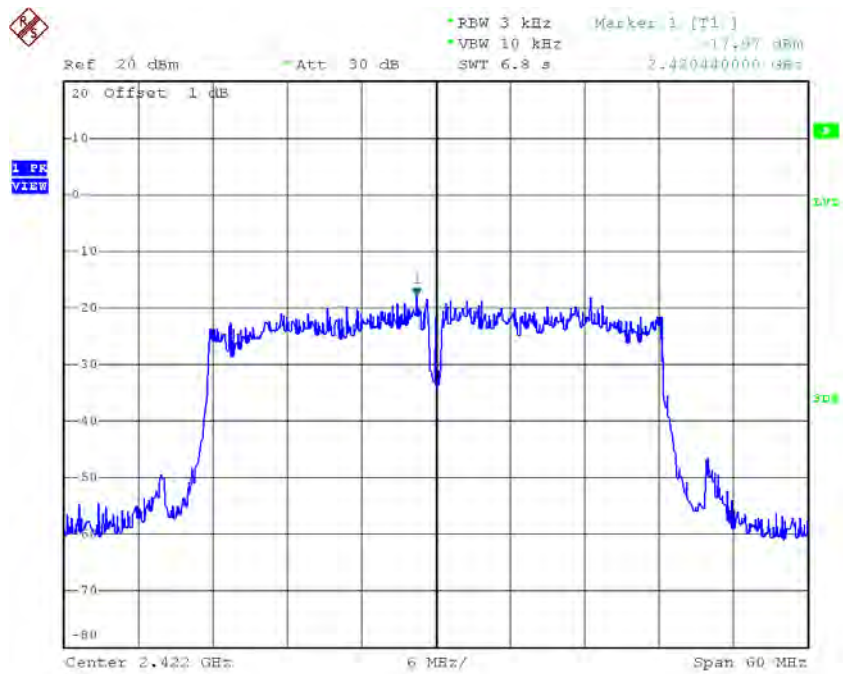
TX CH09

Date: 13.OCT.2015 15:28:06

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

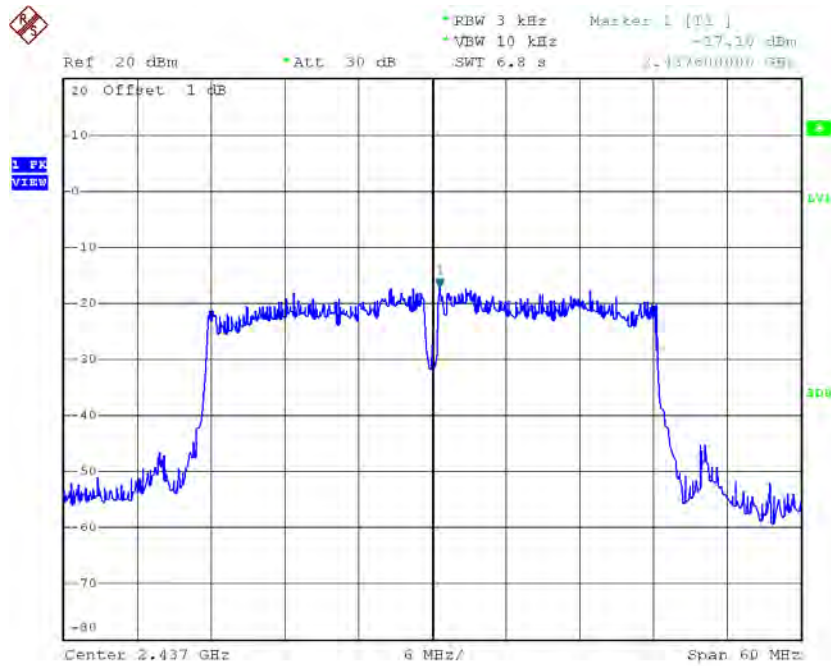
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-17.97	0.02	8.00	Complies
2437	-17.10	0.02	8.00	Complies
2452	-18.29	0.01	8.00	Complies

TX CH03



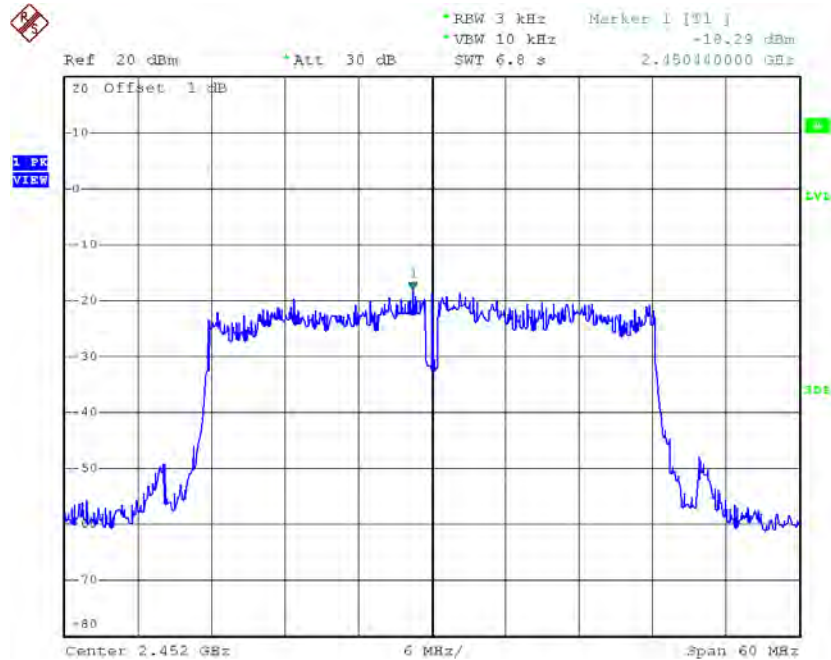
Date: 13.OCT.2015 15:29:29

TX CH06



Date: 13.OCT.2015 15:30:28

TX CH09



Date: 13.OCT.2015 15:31:32

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

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-13.98	0.04	8.00	Complies
2437	-13.98	0.04	8.00	Complies
2452	-16.99	0.02	8.00	Complies