FCC Radio Test Report

FCC ID: O57TB3710I

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

Project No.	:	1512C068
Equipment	:	Portable Tablet Computer
Model Name	:	Lenovo TB3-710I
Applicant	:	LENOVO (SHANGHAI) ELECTRONICS TECHNOLOGY CO LTD
Address	:	NO 68 BUILDING 199 FENJU RD, CHINA (SHANGHAI) PILOT FREE TRADE ZONE, SHANGHAI, 200131 CHINA

Date of Receipt	:	Dec. 08, 2015
Date of Test	:	Dec. 08, 2015~Dec. 24, 2015
Issued Date	:	Dec. 25, 2015
Tested by	:	BTL Inc.

Technical Engineer : Shawn xiao
(Shawn Xiao)

Authorized Signatory : Steven Lu
(Steven Lu)

BTL INC.

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.**

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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.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-3-1512C068	Original Issue.	Dec. 25, 2015

1. CERTIFICATION

Equipment	:	Portable Tablet Computer
Brand Name	:	Lenovo
Model Name	:	Lenovo TB3-710I
Applicant	:	LENOVO (SHANGHAI) ELECTRONICS TECHNOLOGY CO LTD
Manufacturer	:	Lenovo PC HK Limited
Address	:	23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong
Date of Test	:	Dec. 08, 2015~Dec. 24, 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-3-1512C068) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test result included in this report is only for the 2.4G WLAN part.

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	Tested By
15.207	Conducted Emission	PASS	Robort Luo
15.247(d)	Antenna conducted Spurious Emission	PASS	Allen Li
15.247(a)(2)	6dB Bandwidth	PASS	Allen Li
15.247(b)(3)	Peak Output Power	PASS	Allen Li
15.247(e)	Power Spectral Density	PASS	Allen Li
15.203	Antenna Requirement	PASS	-
15.209/15.205	Transmitter Radiated Emissions	PASS	Robort Luo

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 (3m)	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	Portable Tablet Computer	
Brand Name	Lenovo	
Model Name	Lenovo TB3-710I	
Model Difference	This model has two configurations: main supply, secondary supply. Please refer to note 3.	
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 150 Mbps
	Output Power (Max.)	802.11b: 18.72dBm 802.11g: 22.76dBm 802.11n(20MHz): 22.87dBm 802.11n(40MHz): 23.07dBm
Power Source	#1 DC voltage supplied from AC/DC adapter. #2 Supplied from USB port. #3 Supplied from rechargeable Li-Polymer battery.	
Power Rating	Please refer to note 2	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT contains following accessory devices.

Product	Brand	Model	Description
Adapter	Huntkey	C-P56	I/P: 100-240V~ 50/60Hz, 0.15A O/P: 5.0V, 1.0A
	Acbel	C-P56	I/P: 100-240V~ 50/60Hz, 0.13A O/P: 5.0V, 1.0A
Battery	lenovo (SUNWODA)	L13D1P31	3.8VDC, 3450mAh
	lenovo (SCUD)	L13D1P31	3.8VDC, 3450mAh
USB Cable	LIQI	L16B-05100070L	70cm shielded cable w/o core

3.

Main Supply			
Part Name	Model Name	Description	Supplier
PCB--MB	A1901_MB_PCB_V4.0_HF	A1901_ PCB_V4.0	HUASHEN
Baseband chip	MT8321A/B	WCDMA	MTK
PMIC	MT6350V/A	-	MTK
PA	AP7169-R95MOG	RFPA_3G_two in one PA_BANDS I, II, III, IV, V, VIII	Airoha
	AP6690-R95MOG	RFPA_ 850/900/1800/1900/TD1900/TD2010	Airoha
Duplexer	RFDIP1608060TM7T62	Electromagnetic interference two-way stopband filters_ 1.575 GHz/2.4 GHz/5GHz	Walsin
	SAYFH897MHA0F00	Electromagnetic interference two-way stopband filters_ W900	MURATA
	SAYFH836MCC0F0A	Electromagnetic interference two-way stopband filters_ _band5_W850	MURATA
	SAYRF1G88CA0B0A	Electromagnetic interference two-way stopband filters_ band2_W1900	MURATA
	SAYRF1G95HQ0F0A	Electromagnetic interference two-way stopband filters_ band1_W2100	MURATA
	MDBF21L914H1897M-DB02H	Electromagnetic interference difference converter _ GSM850/GSM900/DCS1800/PCS1900	MICROGATE
G-sensor	KXTJ2-1009		Kionix
EMMC+DDR3	KMF820012M-B305	MCP_16GB-eMMC_8Gb-LPDDR3	Samsung
Crystal	7L26002009	26M_0.5ppm_2.8V_2520	TXC
audio frequency amplifier	AW8155AFCR	AB type/Dype_sigle-way	Awinic
RF Switch	SKY13489-001	RF Switch_SPDT	Skyworks
LNA	WS7916	GPS_LNA	Will
SAW FILTER	SAFFB1G56KB0F0A	GPS BEIDOU_RX1109	MURATA
TP	TTCT070121	A1900A	Top-Touch
LCD	TXDT700EPLA-68	7Inch_1024*600	TXD
Camera_Front	BLX0A20H-A1900-F	Camera_5x5x2.95mm_30w	BRODSANDS
Camera_Back	BLX2508H-A1900-B	Camera_6.5x6.5x4.2mm_200w	BRODSANDS
5M AF(3G)	O9B5-AW1507BHQ	Camera_8.5*8.5*4.66mm_500W	HUAQUAN
MIC	OB-F15LX42-1592-C10C33EP	-	HUAFENG
Motor(3G)	HZF-Z04B-RL126B20-90	-	HONGZHIFA
SPK	XHS151118SW43P38-02	-	HAOSHENG
Battery	L13D1P31	3450mAh	SUNWODA
Adapter(US)	C-P56	5V/1A	Huntkey
USB Cable	L16B-05100070L	70cm	LIQI

Secondary Supply			
Part Name	Model Name	Description	Supplier
PCB--MB	A1901_MB_PCB_V4.0_HF	A1901_ PCB_V4.0	HUASHEN
G-sensor	BMA253		Bosch
EMMC+DDR3	H9TQ17A8GTMCUR-KUM	MCP_16GB-eMMC_8Gb-LPDDR3	Hynix
Crystal	X1E000021043400	26M_10ppm_7.4pF_3225	Epson Toyocom
TP	YCB0880700801A	A1900A	YEJI
LCD	KD070D54-39NH-B2	7Inch_1024*600	GUOXIAN
Camera_Front	GI5953A1D-1P0J0	Camera_5x5x2.95mm_30w	QUNHUI
Camera_Back	GV5954B1S-1P0J0	Camera_6.5x6.5x4.25_200w	QUNHUI
5M AF(3G)	HNW5889B1S-0P0J0	Camera_8.5*8.5*4.66mm_500W	QUNHUI
MIC	CM4015BC-423-WR138	-	JINZUN
Motor(3G)	CY0408L-021HB-047	-	KUNWANG
SPK	KFSC1115G3.5-08-0.7W-D	-	XICHUN
Battery	L13D1P31	3450mAh	SCUD
Adapter(US)	C-P56	5V/1A	Acbel
USB Cable	R16B-05100070	70cm	RIDONGSHENG

4. 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		

5. Table for Filed Antenna

Ant.	Mfr/Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	0.48

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 5	Normal Link

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

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

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

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

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

Note:

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

(2) 802.11b mode: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (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.

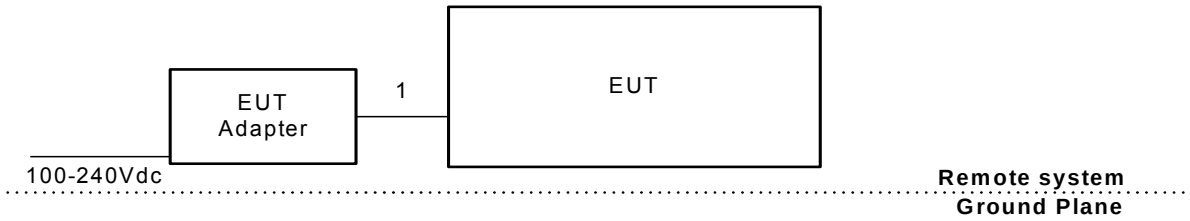
(4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

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	N/A		
Frequency (MHz)	2412	2437	2462
802.11b	15.5	15.5	16
802.11g	15	14.5	15
802.11n (20MHz)	14.5	14.5	15
Frequency(MHz)	2422	2437	2452
802.11n (40MHz)	15	14.5	15.5

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

Item	Shielded Type	Ferrite Core	Length	Note
1	YES	NO	0.7m	USB Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

(1) The limit of " * " decreases with the logarithm of the frequency

(2) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

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

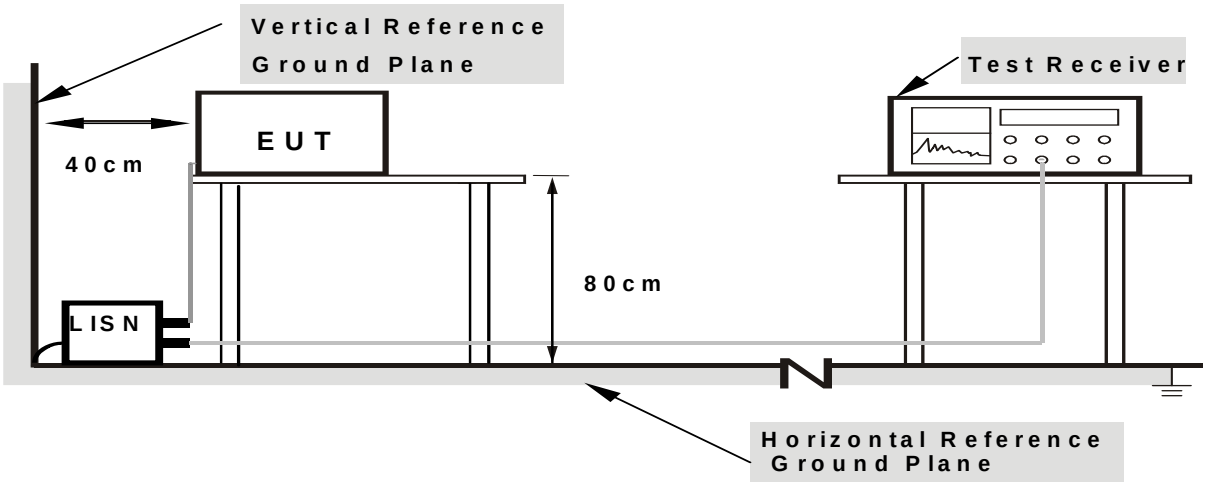
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



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

4.1.5 EUT OPERATING CONDITIONS

The EUT was placed on the test table and programmed in normal function.

4.1.6 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 56% 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

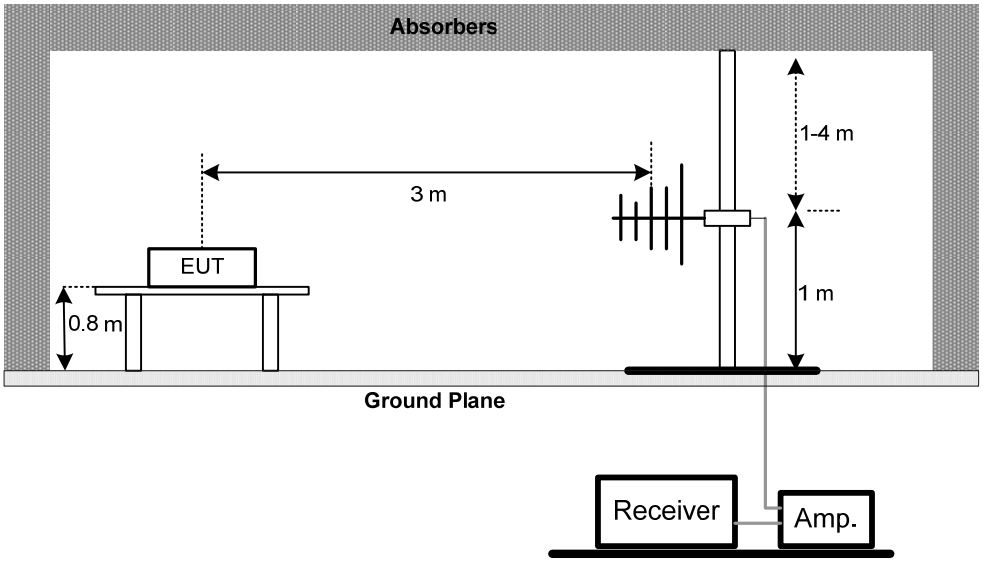
a. The measuring distance of at 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

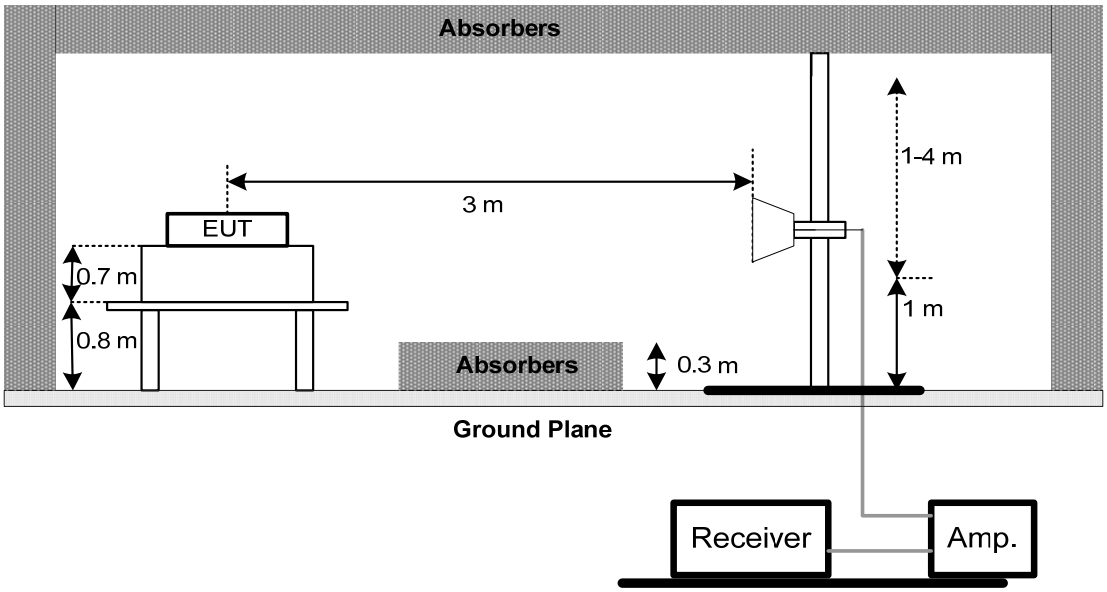
No deviation

4.2.4 TEST SETUP

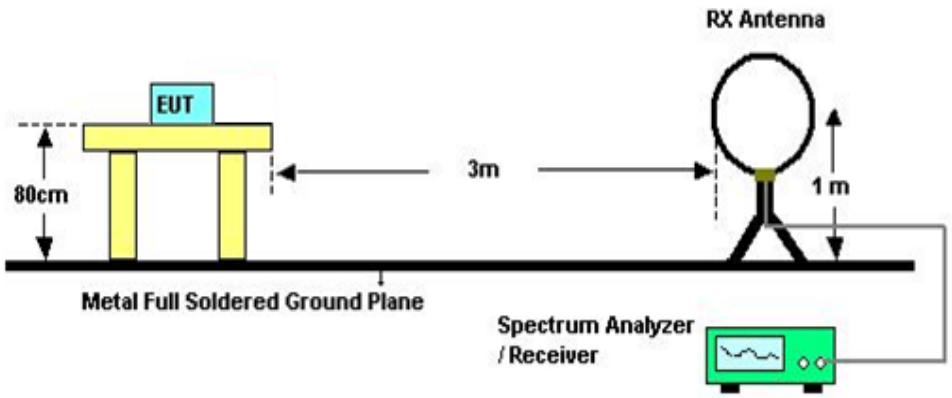
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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: 24°C Relative Humidity: 56% 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 (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

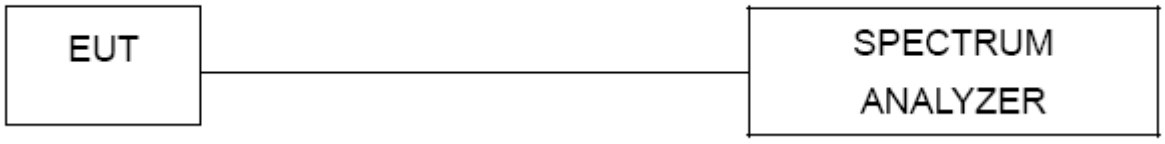
5.1.1 TEST PROCEDURE

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: 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

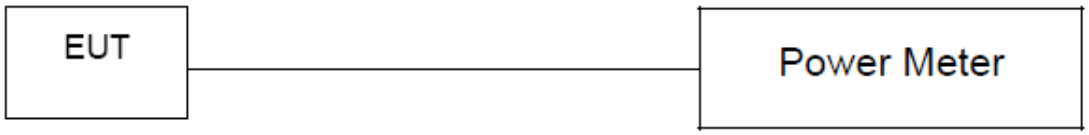
6.1.1 TEST PROCEDURE

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.

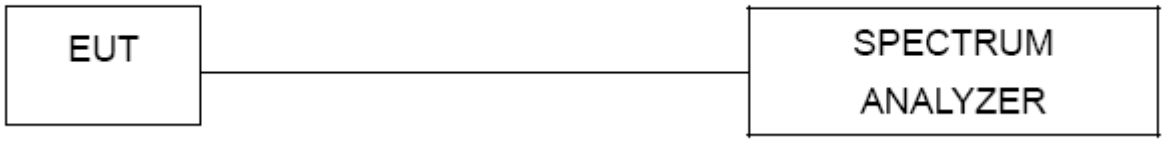
7.1.1 TEST PROCEDURE

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

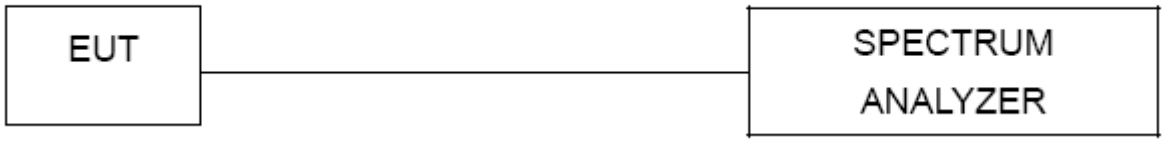
8.1.1 TEST PROCEDURE

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

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Nov. 16, 2016
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	Antenna	ETS	3115	00075789	Mar. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Oct. 11, 2016
8	Test Cable	emci	EMC104-SM-SM-10000(1GHz－26.5GHz)	C-68	Jun. 28, 2016
9	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
10	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 28, 2016
11	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 07, 2016
12	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

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

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

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

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

10. EUT TEST PHOTO

Conducted Measurement Photos

Radiated Measurement Photos

9KHz to 30MHz

Radiated Measurement Photos

30MHz to 1000MHz

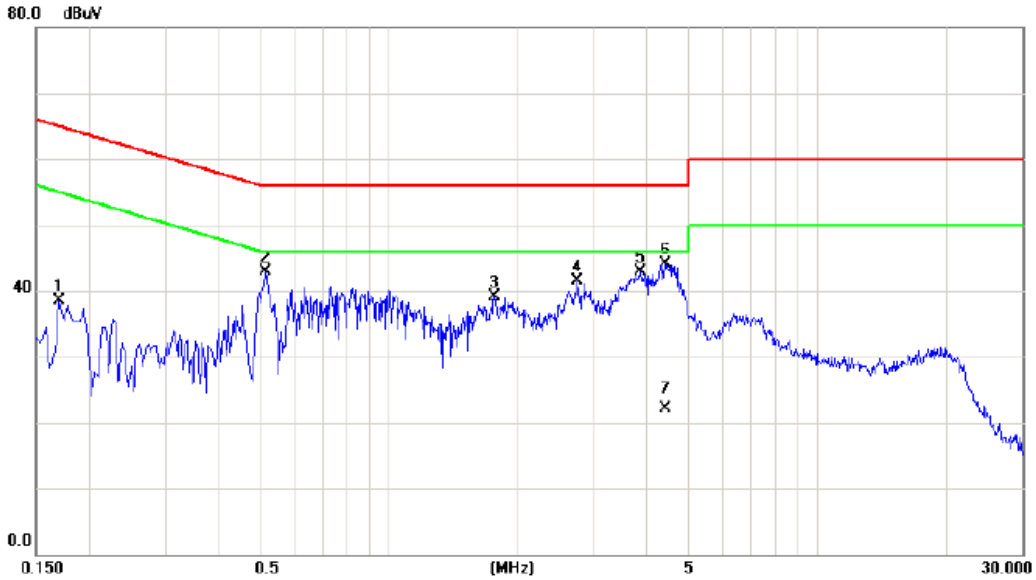
Radiated Measurement Photos

Above 1000MHz

ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX Mode(Adapter_ Huntkey)

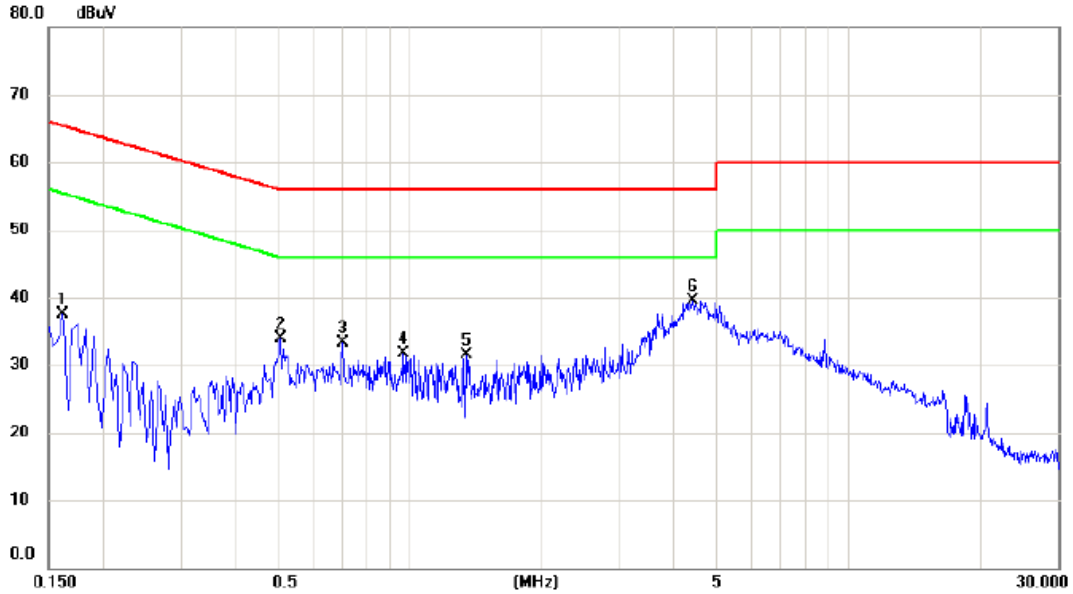
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1700	29.01	9.56	38.57	64.96	-26.39	peak	
2		0.5140	33.17	9.69	42.86	56.00	-13.14	peak	
3		1.7620	29.19	9.89	39.08	56.00	-16.92	peak	
4		2.7380	31.42	10.01	41.43	56.00	-14.57	peak	
5		3.8420	32.99	9.97	42.96	56.00	-13.04	peak	
6	*	4.4020	34.19	9.97	44.16	56.00	-11.84	peak	
7		4.4020	12.16	9.97	22.13	46.00	-23.87	AVG	

Test Mode:	TX Mode(Adapter_ Huntkey)

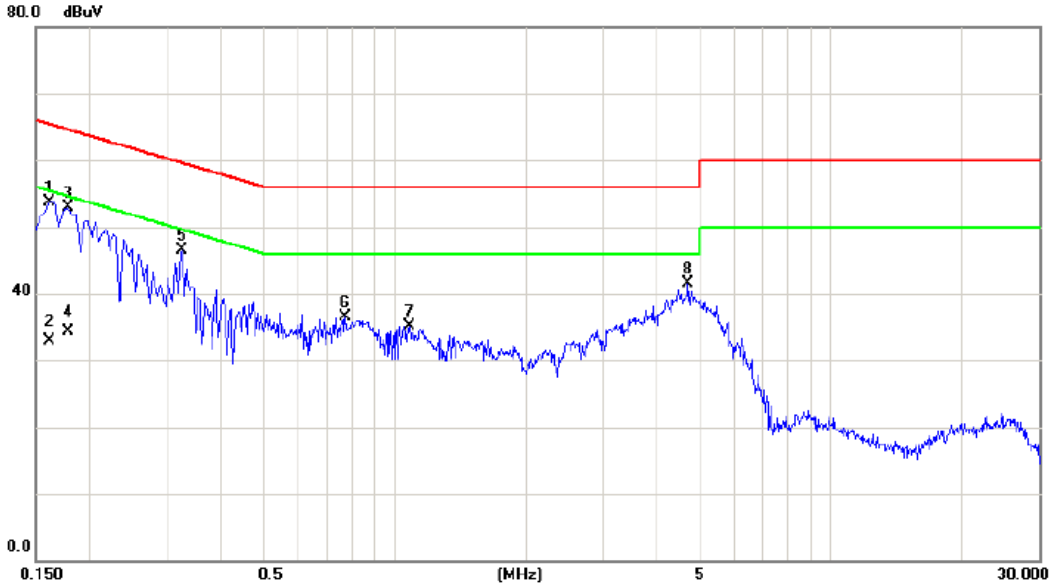
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1620	27.97	9.48	37.45	65.36	-27.91	peak	
2		0.5060	24.35	9.56	33.91	56.00	-22.09	peak	
3		0.7020	23.79	9.53	33.32	56.00	-22.68	peak	
4		0.9660	22.10	9.58	31.68	56.00	-24.32	peak	
5		1.3420	21.81	9.64	31.45	56.00	-24.55	peak	
6	*	4.4100	29.61	9.91	39.52	56.00	-16.48	peak	

Test Mode:	TX Mode(Adapter_ Acbel)

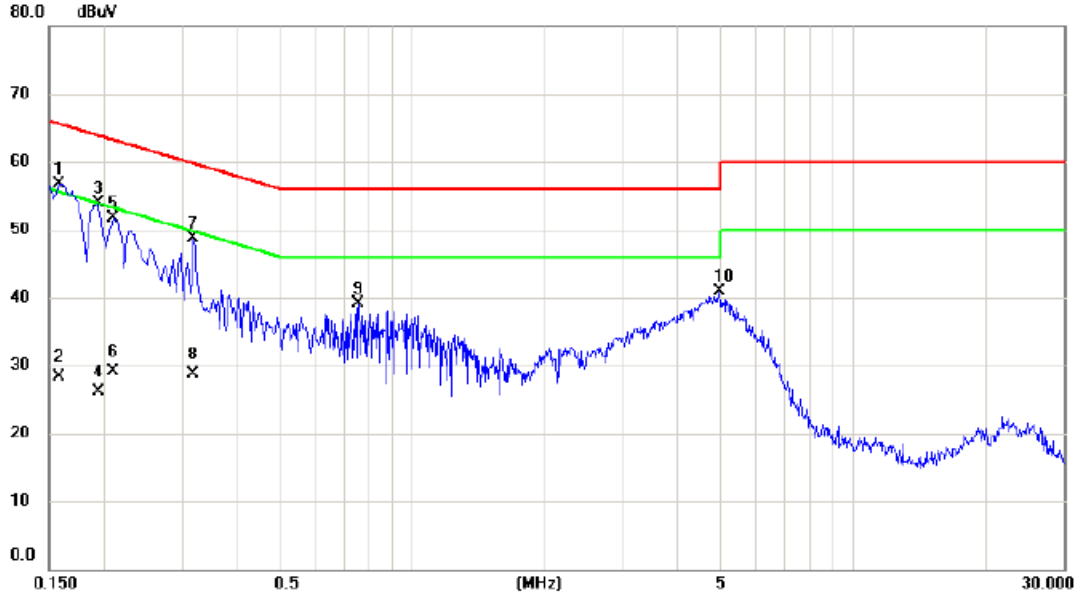
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1620	44.18	9.55	53.73	65.36	-11.63	peak	
2		0.1620	23.35	9.55	32.90	55.36	-22.46	AVG	
3		0.1780	43.28	9.56	52.84	64.58	-11.74	peak	
4		0.1780	24.72	9.56	34.28	54.58	-20.30	AVG	
5		0.3260	36.78	9.64	46.42	59.55	-13.13	peak	
6		0.7700	26.74	9.75	36.49	56.00	-19.51	peak	
7		1.0780	25.32	9.80	35.12	56.00	-20.88	peak	
8		4.6980	31.45	9.99	41.44	56.00	-14.56	peak	

Test Mode:	TX Mode(Adapter_ Acbel)

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1580	47.22	9.49	56.71	65.57	-8.86	peak	
2		0.1580	18.72	9.49	28.21	55.57	-27.36	AVG	
3		0.1940	44.31	9.50	53.81	63.86	-10.05	peak	
4		0.1940	16.51	9.50	26.01	53.86	-27.85	AVG	
5		0.2100	42.16	9.50	51.66	63.21	-11.55	peak	
6		0.2100	19.69	9.50	29.19	53.21	-24.02	AVG	
7		0.3180	39.22	9.52	48.74	59.76	-11.02	peak	
8		0.3180	19.21	9.52	28.73	49.76	-21.03	AVG	
9		0.7540	29.56	9.55	39.11	56.00	-16.89	peak	
10		4.9580	30.94	9.91	40.85	56.00	-15.15	peak	

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

Test Mode:	TX B MODE CHANNEL 01(Adapter_ Huntkey)

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0093	0°	13.27	24.9777	38.2477	128.2346	-89.9869	AVG
0.0093	0°	14.15	24.9777	39.1277	148.2346	-109.1069	PEAK
0.0274	0°	6.60	23.8313	30.4313	118.8492	-88.4179	AVG
0.0274	0°	8.40	23.8313	32.2313	138.8492	-106.6179	PEAK
0.0353	0°	3.53	23.3310	26.8610	116.6487	-89.7877	AVG
0.0353	0°	5.56	23.3310	28.8910	136.6487	-107.7577	PEAK
0.0575	0°	1.20	22.2500	23.4500	112.4109	-88.9609	AVG
0.0575	0°	2.40	22.2500	24.6500	132.4109	-107.7609	PEAK
0.5088	0°	19.23	19.8282	39.0582	73.4733	-34.4151	QP
1.9636	0°	23.62	19.5036	43.1236	69.5400	-26.4164	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0123	90°	13.20	24.3000	37.5000	125.8061	-88.3061	AVG
0.0123	90°	14.60	24.3000	38.9000	145.8061	-106.9061	PEAK
0.0239	90°	7.74	24.0530	31.7930	120.0363	-88.2433	AVG
0.0239	90°	8.85	24.0530	32.9030	140.0363	-107.1333	PEAK
0.045	90°	5.37	22.7167	28.0867	114.5400	-86.4533	AVG
0.045	90°	6.29	22.7167	29.0067	134.5400	-105.5333	PEAK
0.0575	90°	1.63	22.2500	23.8800	112.4109	-88.5309	AVG
0.0575	90°	2.65	22.2500	24.9000	132.4109	-107.5109	PEAK
0.6235	90°	22.10	20.1952	42.2952	71.7075	-29.4123	QP
2.0576	90°	24.95	19.4654	44.4154	69.5400	-25.1246	QP

Test Mode:	TX B MODE CHANNEL 01 (Adapter_ Acbel)

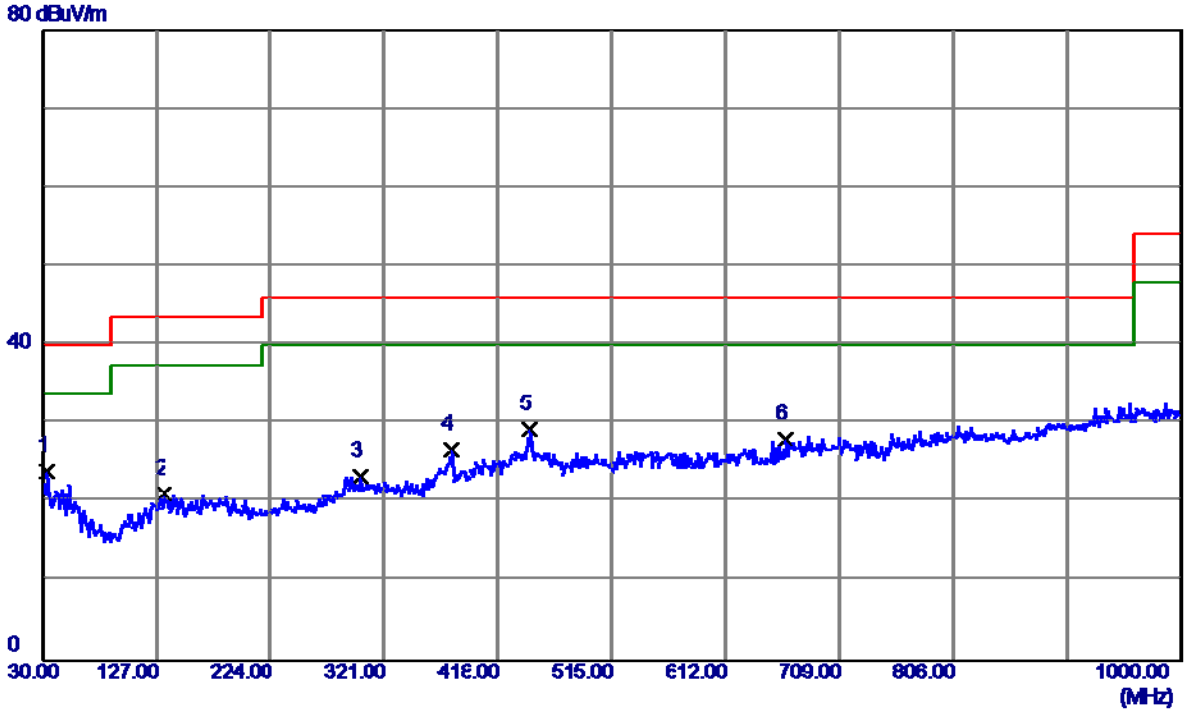
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0091	0°	13.50	24.9903	38.4903	128.4234	-89.9331	AVG
0.0091	0°	14.41	24.9903	39.4003	148.4234	-109.0231	PEAK
0.026	0°	6.80	23.9200	30.7200	119.3048	-88.5848	AVG
0.026	0°	8.51	23.9200	32.4300	139.3048	-106.8748	PEAK
0.0347	0°	3.46	23.3690	26.8290	116.7976	-89.9686	AVG
0.0347	0°	5.39	23.3690	28.7590	136.7976	-108.0386	PEAK
0.0553	0°	1.24	22.2940	23.5340	112.7497	-89.2157	AVG
0.0553	0°	2.49	22.2940	24.7840	132.7497	-107.9657	PEAK
0.5092	0°	19.48	19.8294	39.3094	73.4665	-34.1570	QP
1.9526	0°	23.36	19.5047	42.8647	69.5400	-26.6753	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0127	90°	13.51	24.3000	37.8100	125.5282	-87.7182	AVG
0.0127	90°	14.78	24.3000	39.0800	145.5282	-106.4482	PEAK
0.0284	90°	7.52	23.7680	31.2880	118.5379	-87.2499	AVG
0.0284	90°	8.63	23.7680	32.3980	138.5379	-106.1399	PEAK
0.036	90°	5.46	23.2867	28.7467	116.4782	-87.7315	AVG
0.036	90°	6.35	23.2867	29.6367	136.4782	-106.8415	PEAK
0.0561	90°	1.87	22.2780	24.1480	112.6250	-88.4770	AVG
0.0561	90°	2.64	22.2780	24.9180	132.6250	-107.7070	PEAK
0.6249	90°	22.49	20.1997	42.6897	71.6880	-28.9983	QP
2.0552	90°	24.50	19.4669	43.9669	69.5400	-25.5731	QP

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

Test Mode:	TX B MODE CHANNEL 01(Adapter_ Huntkey)

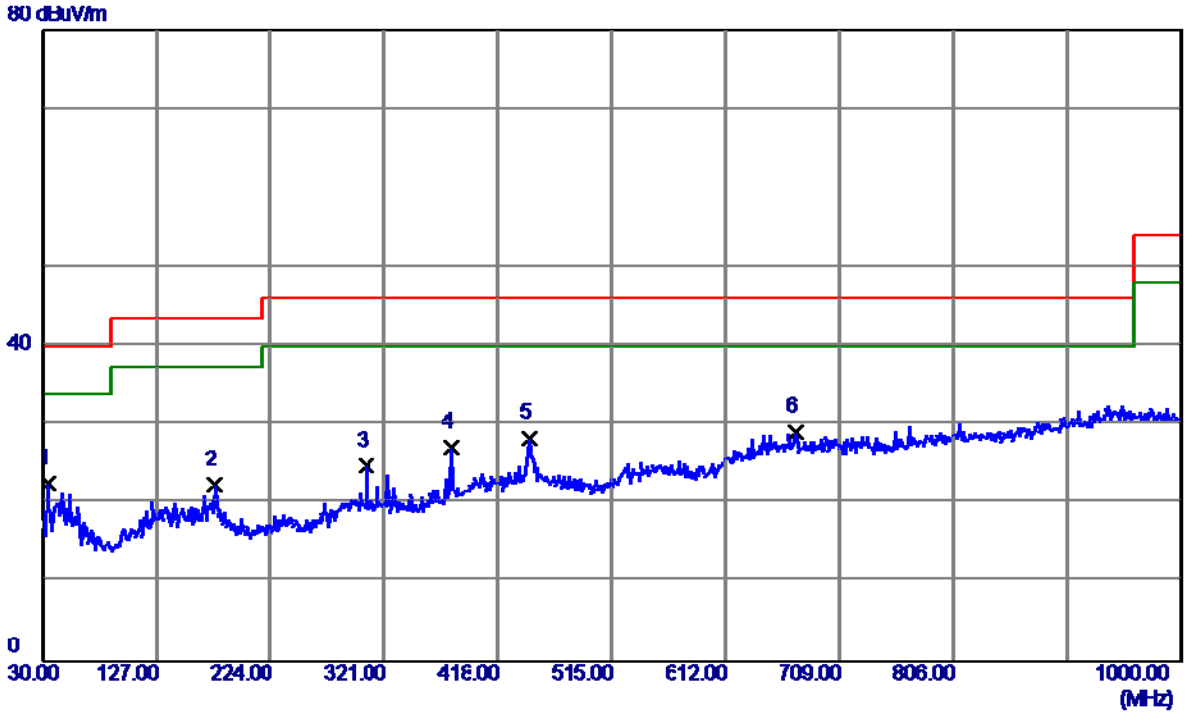
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	37.63	-13.61	24.02	40.00	-15.98	Peak	
2	133.7899	32.67	-11.53	21.14	43.50	-22.36	Peak	
3	300.6300	32.93	-9.58	23.35	46.00	-22.65	Peak	
4	378.2300	35.14	-8.42	26.72	46.00	-19.28	Peak	
5	445.1600	35.24	-6.03	29.21	46.00	-16.79	Peak	
6	663.4099	29.52	-1.59	27.93	46.00	-18.07	Peak	

Test Mode:	TX B MODE CHANNEL 01 (Adapter_ Huntkey)

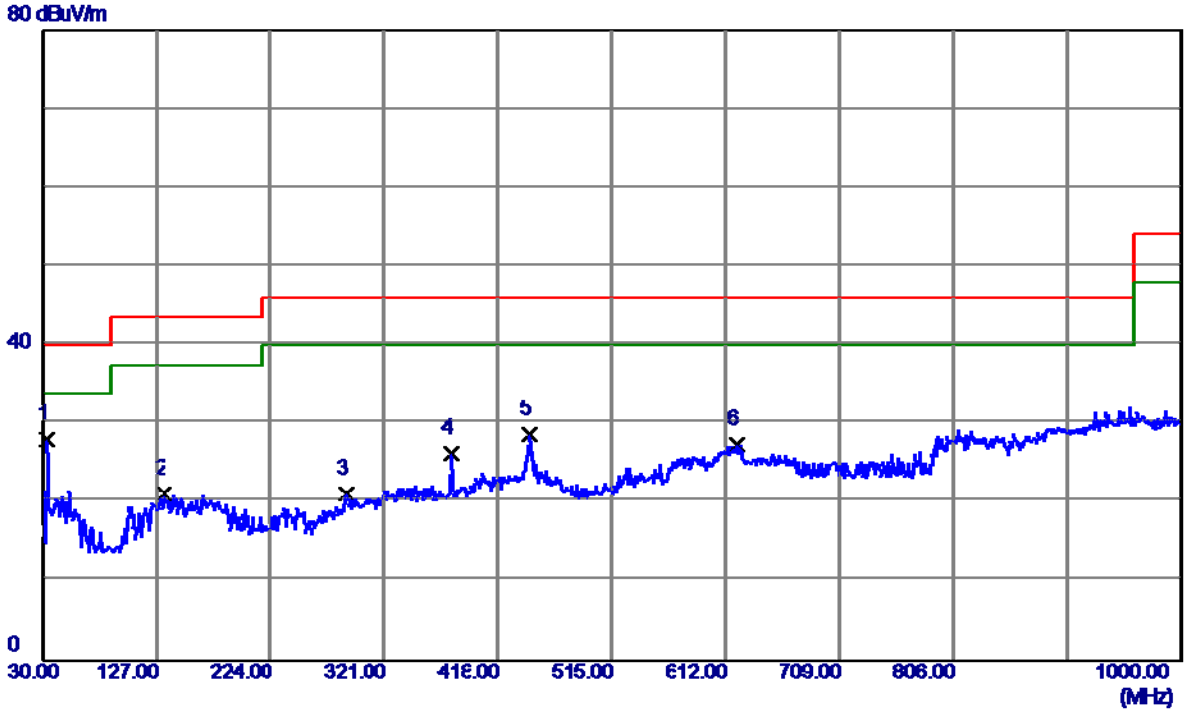
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	33.8800	35.94	-13.31	22.63	40.00	-17.37	Peak	
2	176.4700	33.75	-11.35	22.40	43.50	-21.10	Peak	
3	305.4800	34.43	-9.62	24.81	46.00	-21.19	Peak	
4	378.2300	35.65	-8.42	27.23	46.00	-18.77	Peak	
5	445.1600	34.39	-6.03	28.36	46.00	-17.64	Peak	
6	672.1400	30.70	-1.56	29.14	46.00	-16.86	Peak	

Test Mode:	TX B MODE CHANNEL 06(Adapter_ Huntkey)

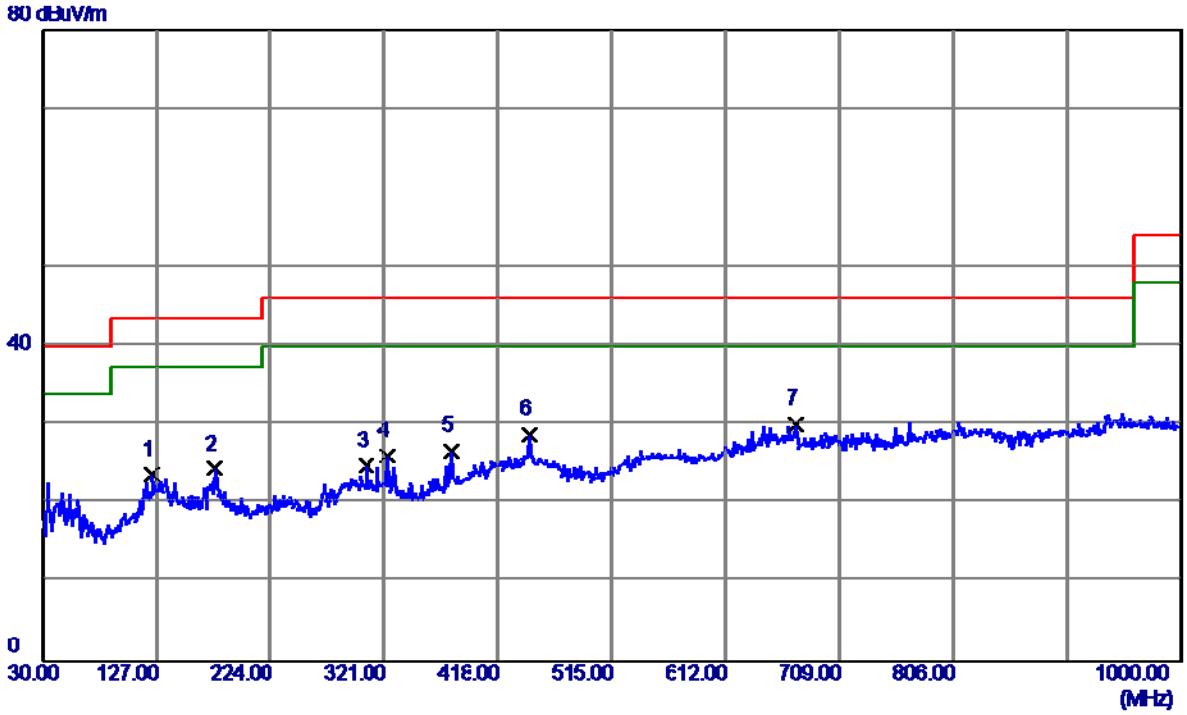
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	41.63	-13.61	28.02	40.00	-11.98	Peak	
2	133.7899	32.67	-11.53	21.14	43.50	-22.36	Peak	
3	288.9900	31.11	-9.95	21.16	46.00	-24.84	Peak	
4	378.2300	34.64	-8.42	26.22	46.00	-19.78	Peak	
5	445.1600	34.74	-6.03	28.71	46.00	-17.29	Peak	
6	621.7000	30.72	-3.34	27.38	46.00	-18.62	Peak	

Test Mode:	TX B MODE CHANNEL 06(Adapter_ Huntkey)

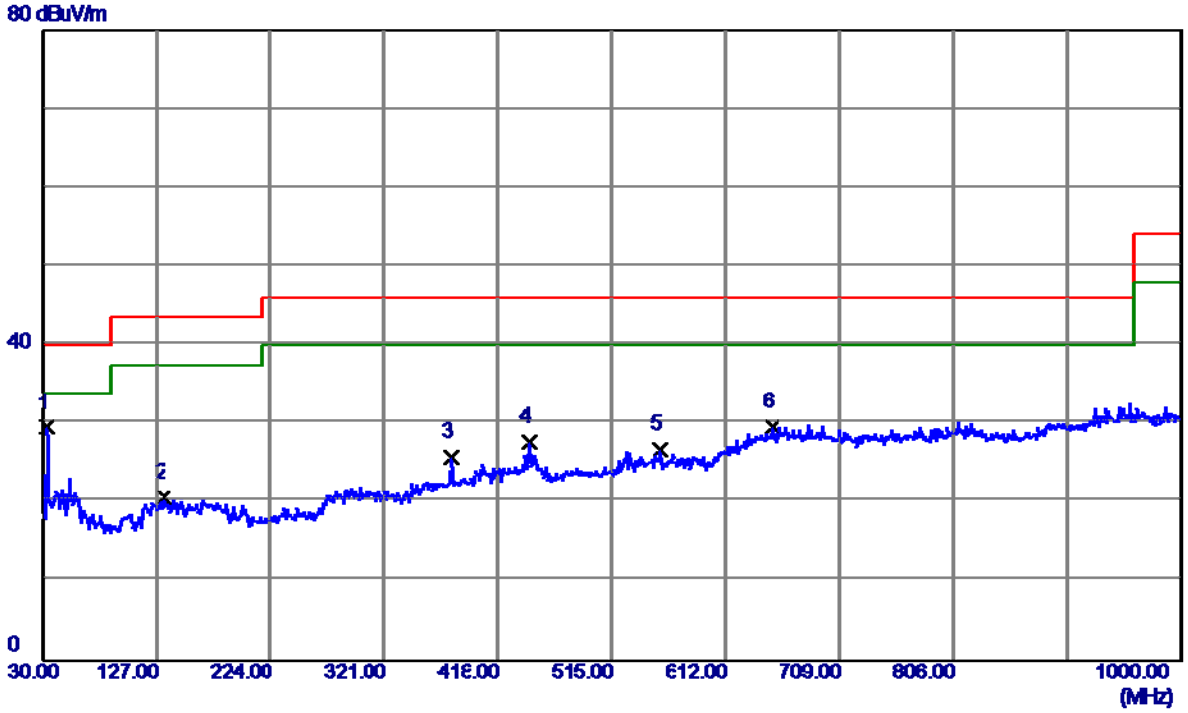
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	123.1200	35.87	-12.23	23.64	43.50	-19.86	Peak	
2	176.4700	35.75	-11.35	24.40	43.50	-19.10	Peak	
3	305.4800	34.43	-9.62	24.81	46.00	-21.19	Peak	
4	323.9100	35.77	-9.74	26.03	46.00	-19.97	Peak	
5	378.2300	35.15	-8.42	26.73	46.00	-19.27	Peak	
6	445.1600	34.89	-6.03	28.86	46.00	-17.14	Peak	
7	672.1400	31.70	-1.56	30.14	46.00	-15.86	Peak	

Test Mode:	TX B MODE CHANNEL 11 (Adapter_ Huntkey)

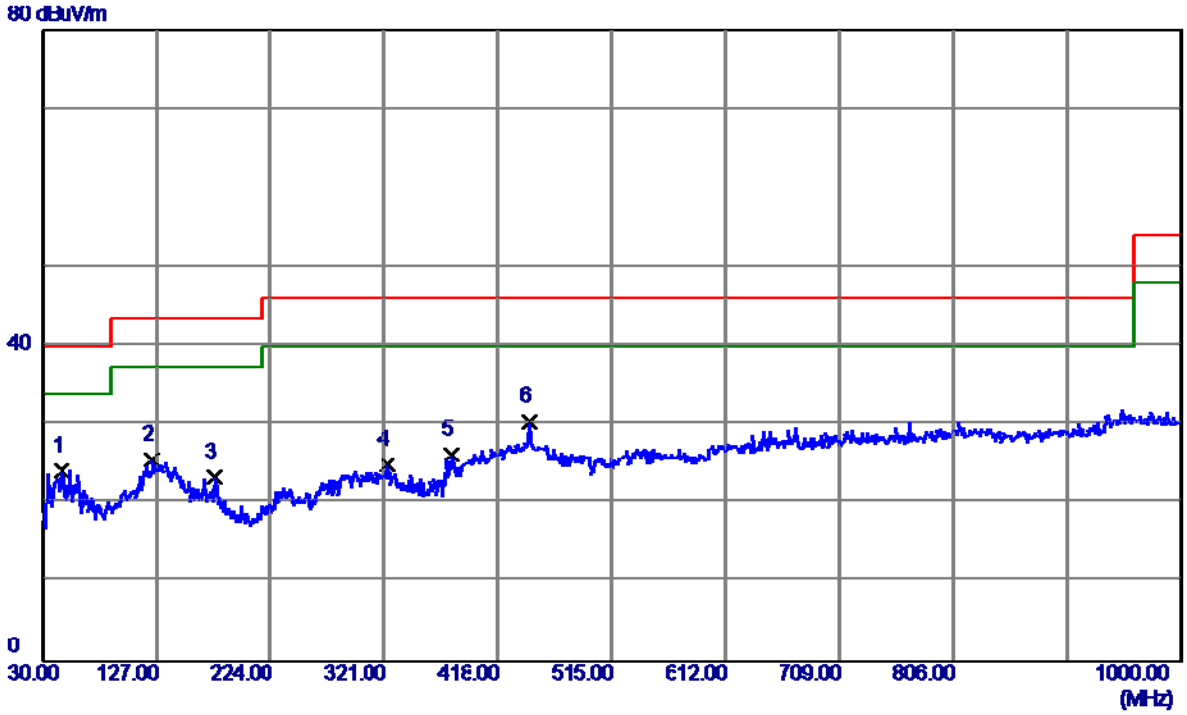
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	43.13	-13.61	29.52	40.00	-10.48	Peak	
2	133.7899	32.17	-11.53	20.64	43.50	-22.86	Peak	
3	378.2300	34.14	-8.42	25.72	46.00	-20.28	Peak	
4	445.1600	33.74	-6.03	27.71	46.00	-18.29	Peak	
5	555.7400	31.39	-4.62	26.77	46.00	-19.23	Peak	
6	651.7700	31.23	-1.63	29.60	46.00	-16.40	Peak	

Test Mode:	TX B MODE CHANNEL 11 (Adapter_ Huntkey)

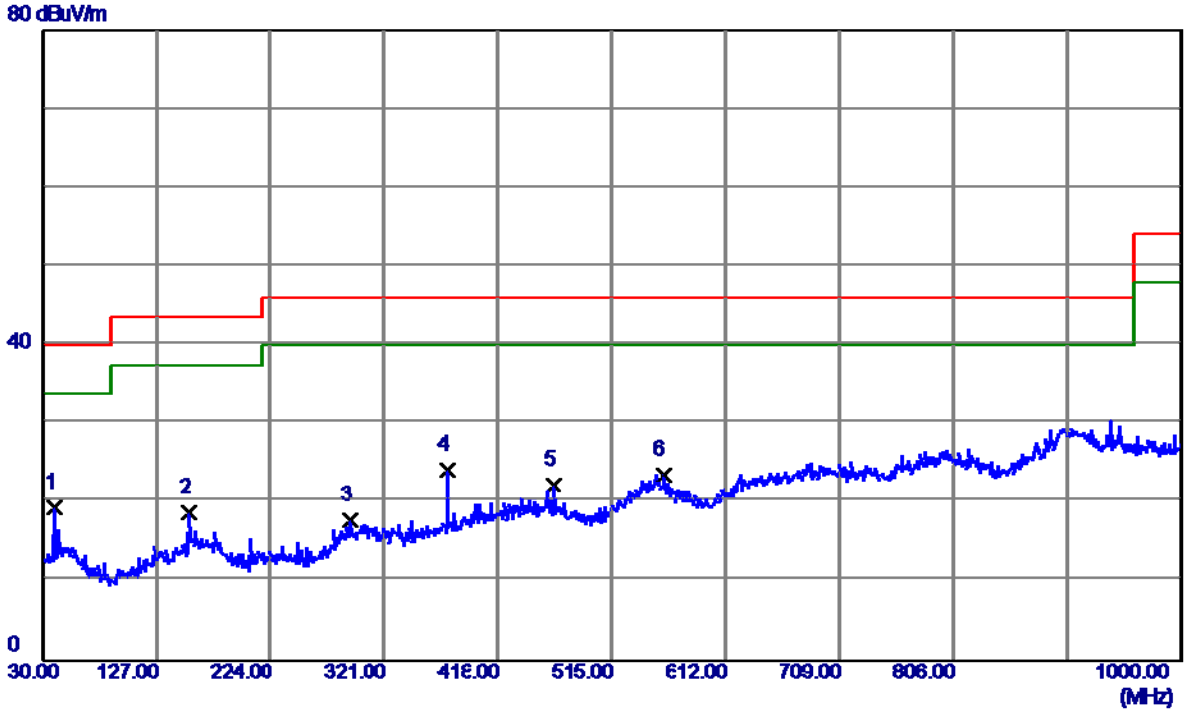
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	46.4900	36.15	-11.93	24.22	40.00	-15.78	Peak	
2	123.1200	37.87	-12.23	25.64	43.50	-17.86	Peak	
3	176.4700	34.75	-11.35	23.40	43.50	-20.10	Peak	
4	323.9100	34.77	-9.74	25.03	46.00	-20.97	Peak	
5	378.2300	34.65	-8.42	26.23	46.00	-19.77	Peak	
6	445.1600	36.39	-6.03	30.36	46.00	-15.64	Peak	

Test Mode:	TX B MODE CHANNEL 01 (Adapter_ Acbel)

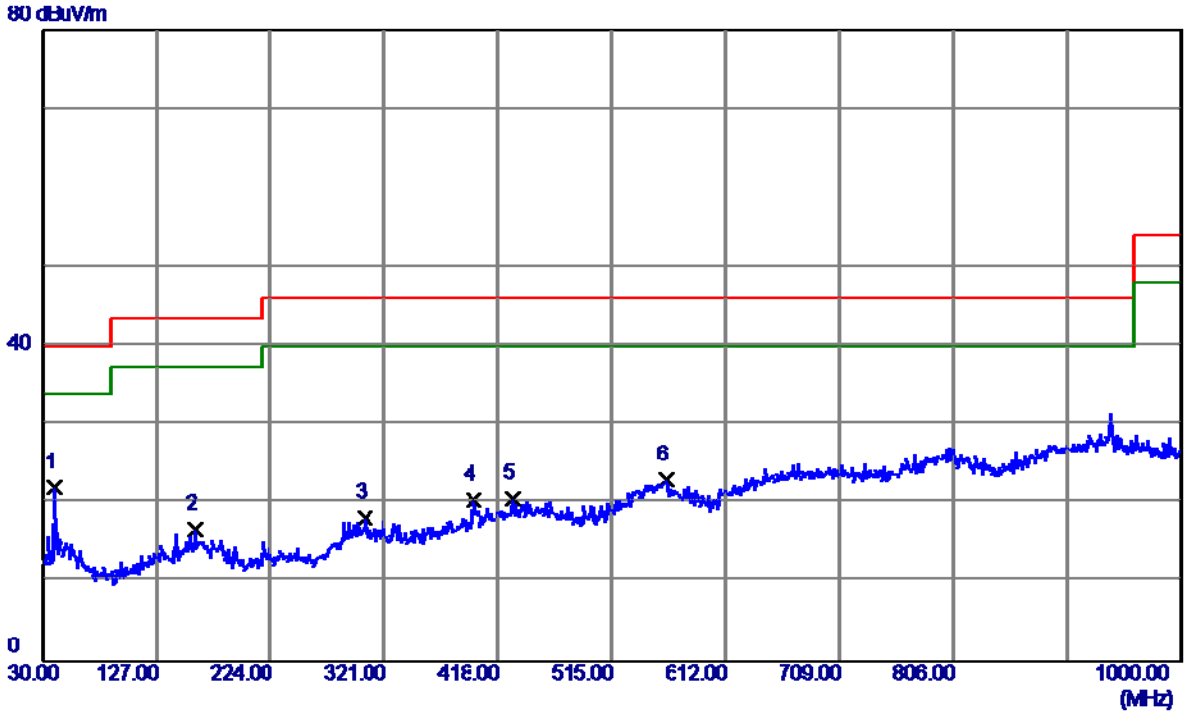
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	39.7000	33.37	-13.99	19.38	40.00	-20.62	Peak	
2	155.1300	31.37	-12.71	18.66	43.50	-24.84	Peak	
3	291.9000	28.68	-10.91	17.77	46.00	-28.23	Peak	
4	374.3500	34.50	-10.36	24.14	46.00	-21.86	Peak	
5	465.5300	30.92	-8.65	22.27	46.00	-23.73	Peak	
6	558.6500	29.19	-5.61	23.58	46.00	-22.42	Peak	

Test Mode:	TX B MODE CHANNEL 01(Adapter_ Acbel)

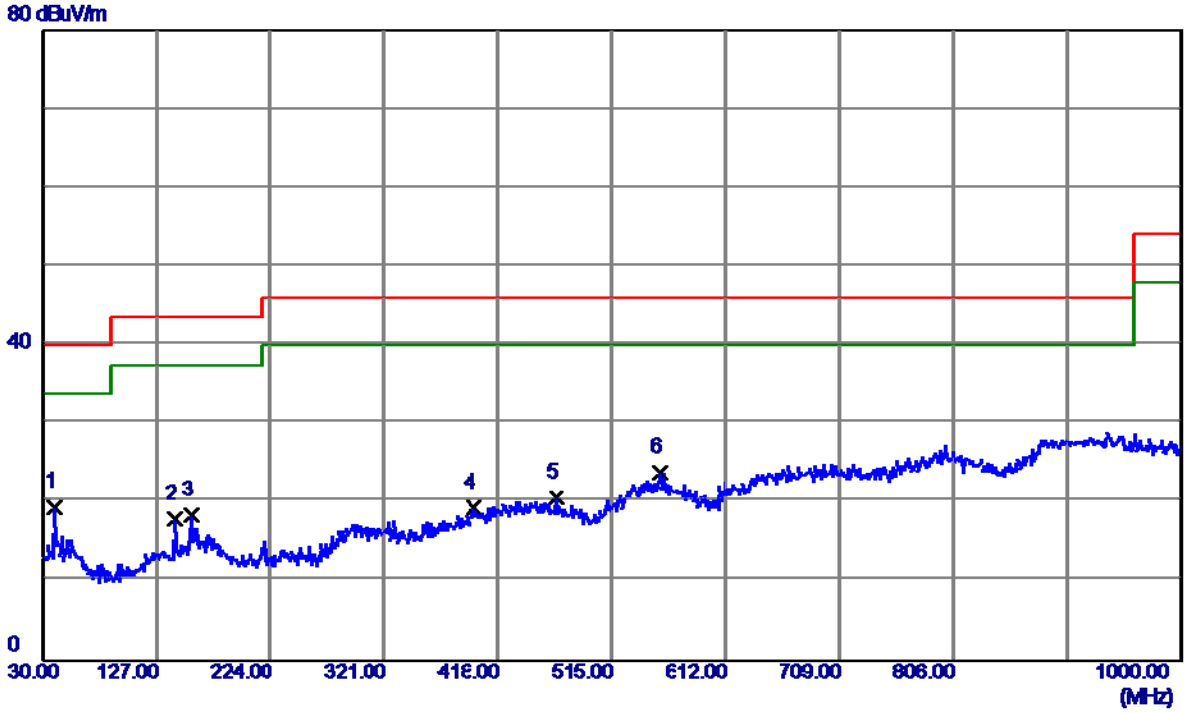
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	39.7000	36.01	-13.99	22.02	40.00	-17.98	Peak	
2	159.9800	29.16	-12.42	16.74	43.50	-26.76	Peak	
3	304.5100	28.87	-10.58	18.29	46.00	-27.71	Peak	
4	397.6300	29.90	-9.42	20.48	46.00	-25.52	Peak	
5	430.6100	29.17	-8.54	20.63	46.00	-25.37	Peak	
6	561.5600	28.84	-5.77	23.07	46.00	-22.93	Peak	

Test Mode:	TX B MODE CHANNEL 06(Adapter_ Acbel)

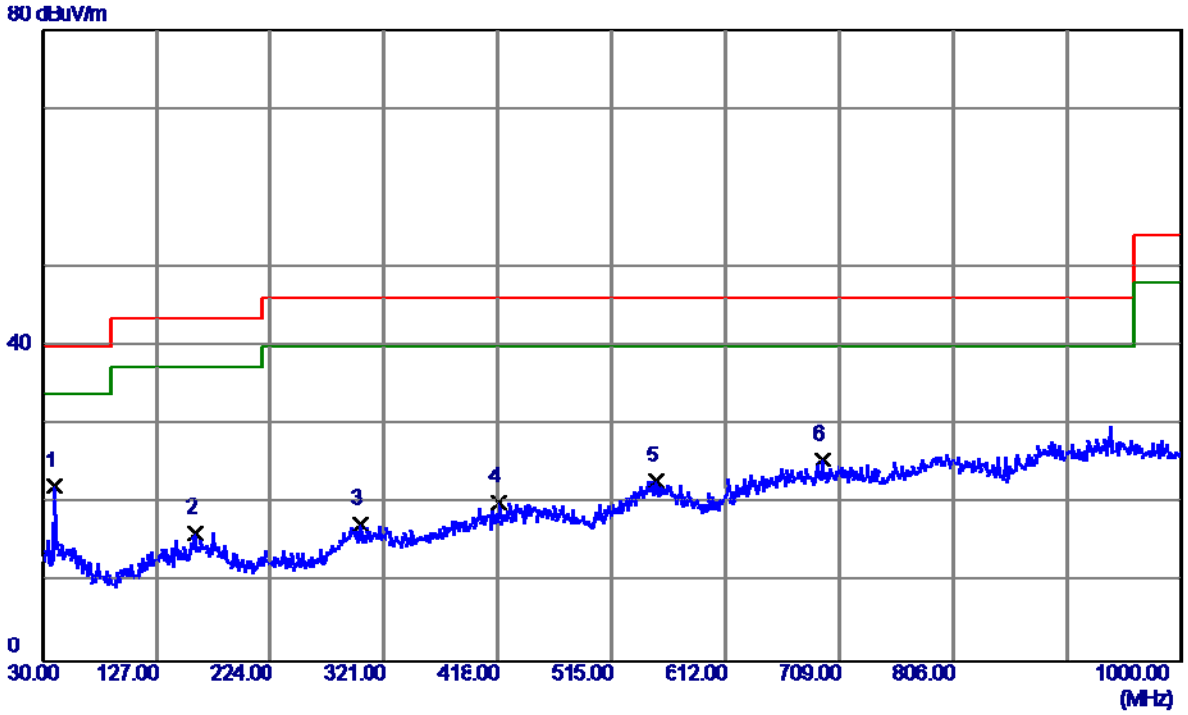
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	39.7000	33.43	-13.99	19.44	40.00	-20.56	Peak	
2	143.4900	31.66	-13.71	17.95	43.50	-25.55	Peak	
3	157.0700	31.03	-12.59	18.44	43.50	-25.06	Peak	
4	397.6300	28.85	-9.42	19.43	46.00	-26.57	Peak	
5	467.4700	29.36	-8.73	20.63	46.00	-25.37	Peak	
6	555.7400	29.31	-5.45	23.86	46.00	-22.14	Peak	

Test Mode:	TX B MODE CHANNEL 06(Adapter_ Acbel)

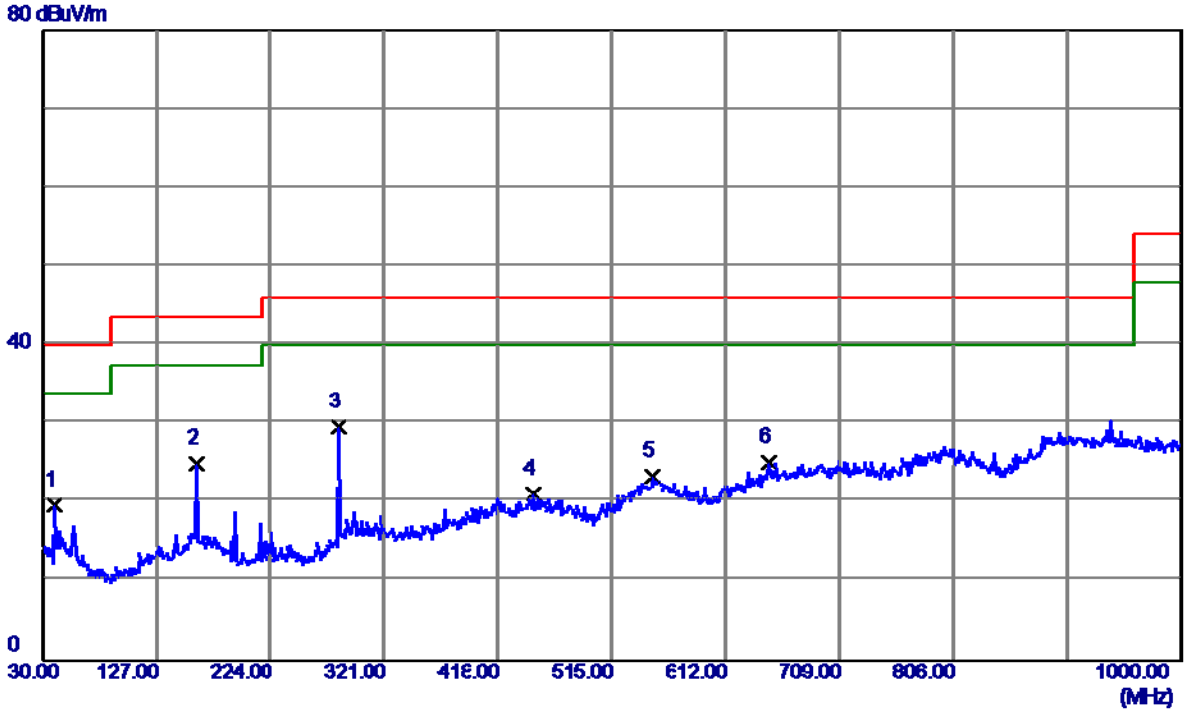
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	39.7000	36.20	-13.99	22.21	40.00	-17.79	Peak	
2	159.9800	28.77	-12.42	16.35	43.50	-27.15	Peak	
3	300.6300	27.94	-10.51	17.43	46.00	-28.57	Peak	
4	418.9700	28.97	-8.84	20.13	46.00	-25.87	Peak	
5	552.8300	28.23	-5.29	22.94	46.00	-23.06	Peak	
6	694.4500	29.91	-4.30	25.61	46.00	-20.39	Peak	

Test Mode:	TX B MODE CHANNEL 11 (Adapter_ Acbel)

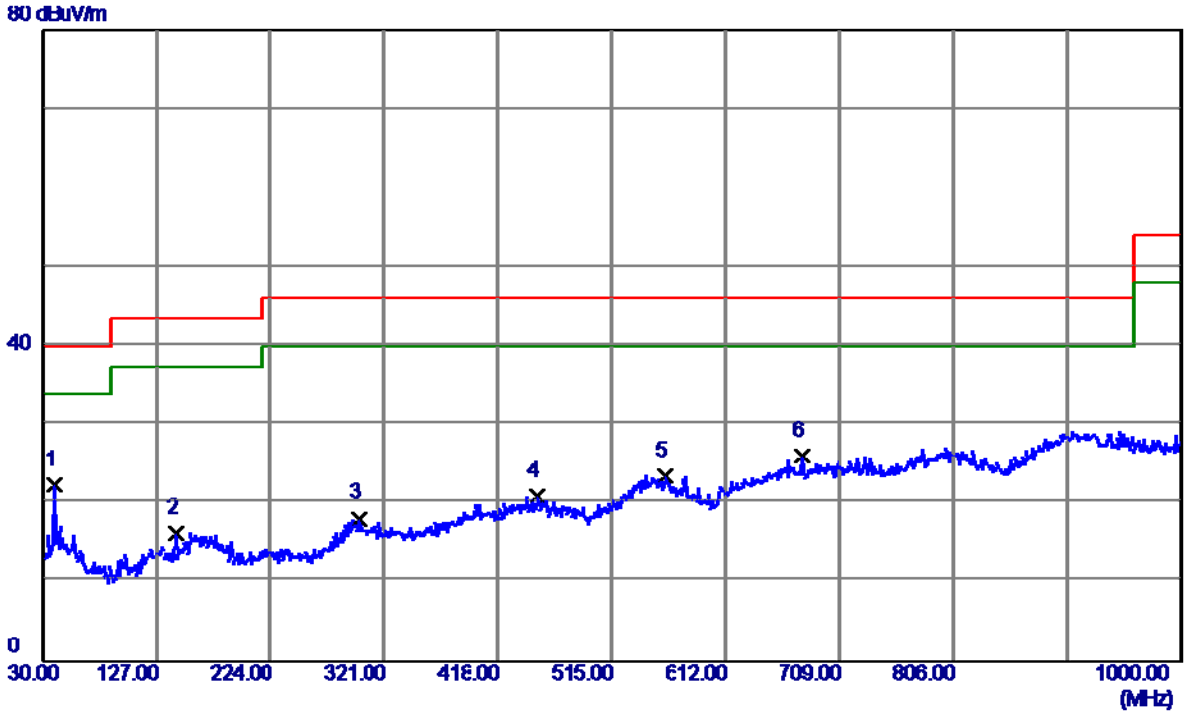
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	39.7000	33.62	-13.99	19.63	40.00	-20.37	Peak	
2	161.9200	37.40	-12.51	24.89	43.50	-18.61	Peak	
3	282.2000	41.57	-11.97	29.60	46.00	-16.40	Peak	
4	448.0700	29.20	-8.10	21.10	46.00	-24.90	Peak	
5	549.9200	28.54	-5.15	23.39	46.00	-22.61	Peak	
6	648.8600	30.36	-5.17	25.19	46.00	-20.81	Peak	

Test Mode:	TX B MODE CHANNEL 11(Adapter_ Acbel)

Horizontal

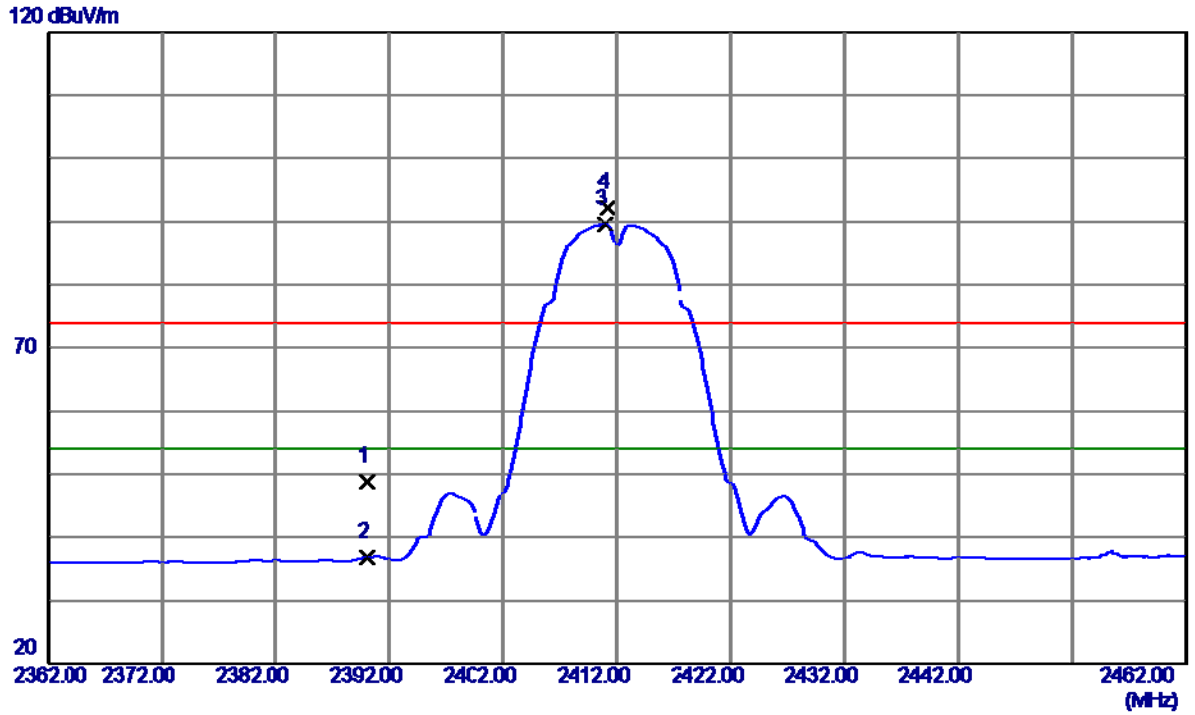


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	39.7000	36.41	-13.99	22.42	40.00	-17.58	Peak	
2	144.4600	29.94	-13.60	16.34	43.50	-27.16	Peak	
3	299.6600	28.68	-10.52	18.16	46.00	-27.84	Peak	
4	450.9800	29.07	-8.09	20.98	46.00	-25.02	Peak	
5	560.5900	29.26	-5.72	23.54	46.00	-22.46	Peak	
6	677.9600	30.66	-4.60	26.06	46.00	-19.94	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

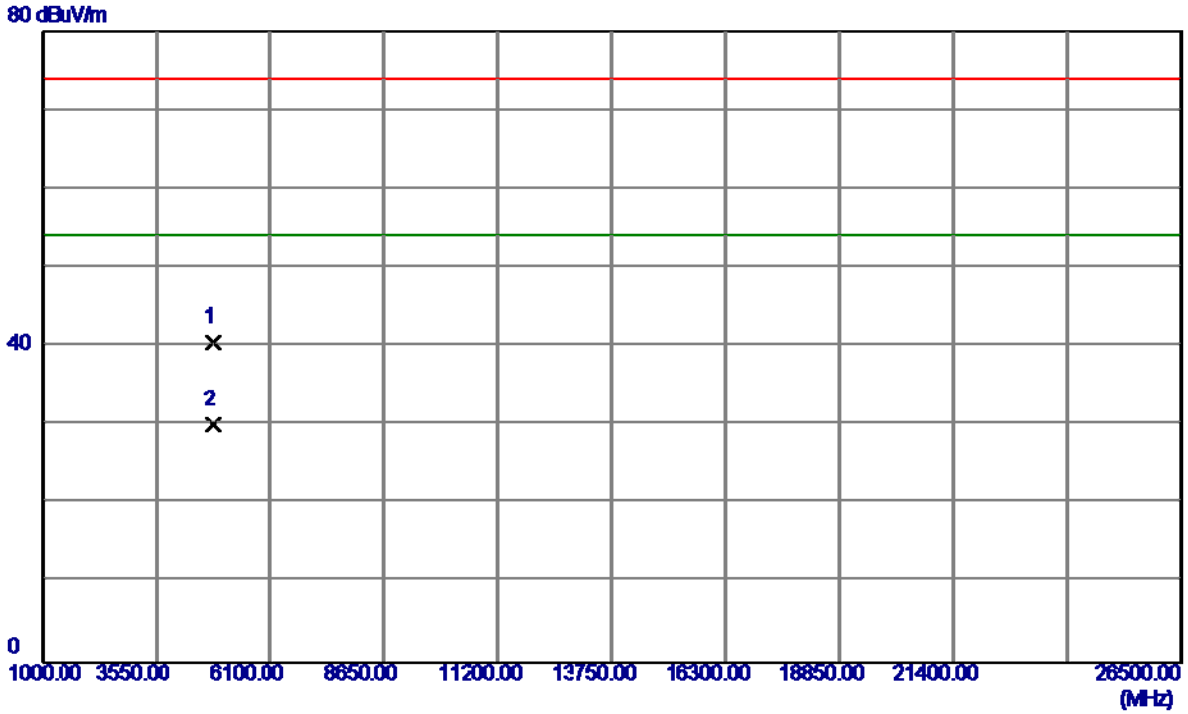
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	14.61	34.23	48.84	74.00	-25.16	Peak	
2	2390.0000	2.56	34.23	36.79	54.00	-17.21	AVG	
3	2411.0000	55.25	34.35	89.60	54.00	35.60	AVG	No Limit
4	2411.2000	57.94	34.35	92.29	74.00	18.29	Peak	No Limit

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

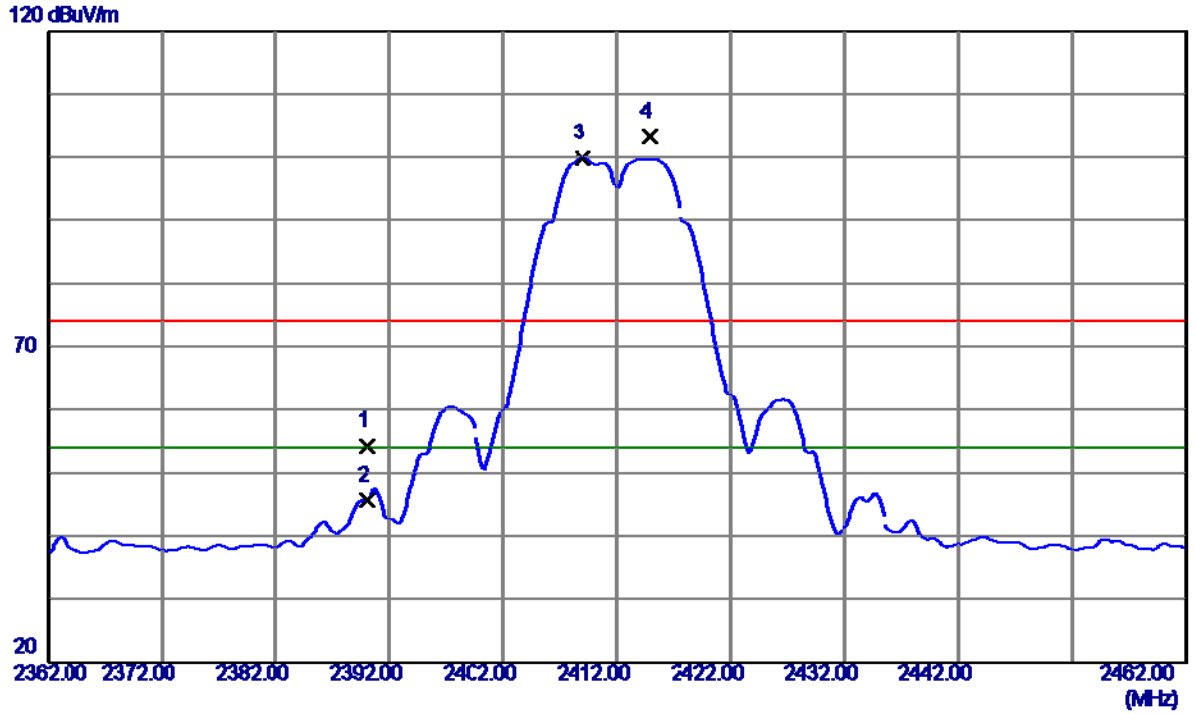
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824.3000	33.60	6.82	40.42	74.00	-33.58	Peak	
2	4824.3000	23.27	6.82	30.09	54.00	-23.91	AVG	

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

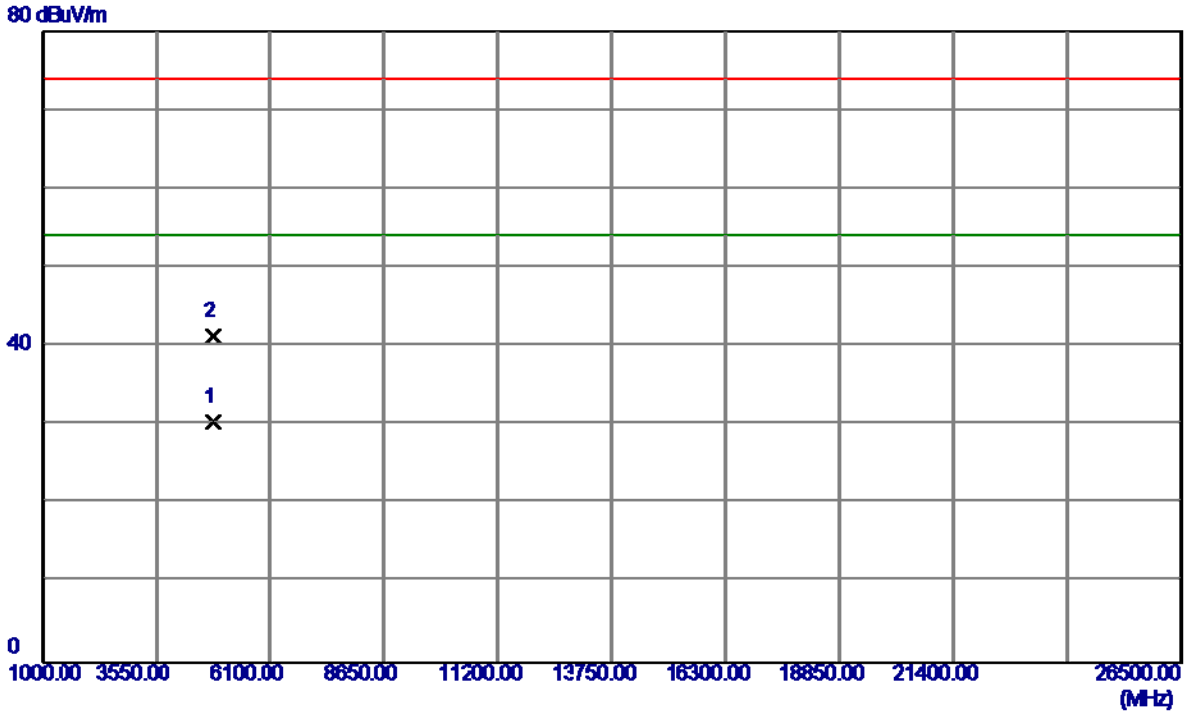
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	19.99	34.23	54.22	74.00	-19.78	Peak	
2	2390.0000	11.32	34.23	45.55	54.00	-8.45	AVG	
3	2409.0000	65.46	34.34	99.80	54.00	45.80	AVG	No Limit
4	2414.9000	68.88	34.38	103.26	74.00	29.26	Peak	No Limit

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

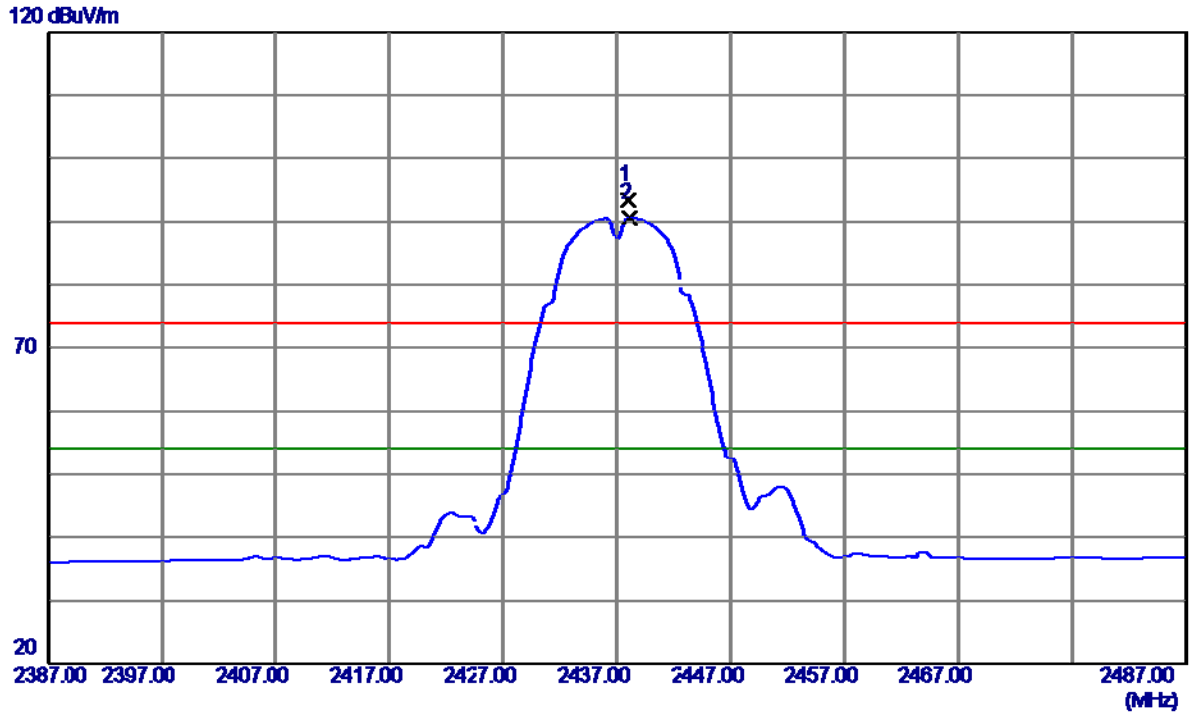
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824.1000	23.51	6.82	30.33	54.00	-23.67	AVG	
2	4824.3500	34.52	6.82	41.34	74.00	-32.66	Peak	

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

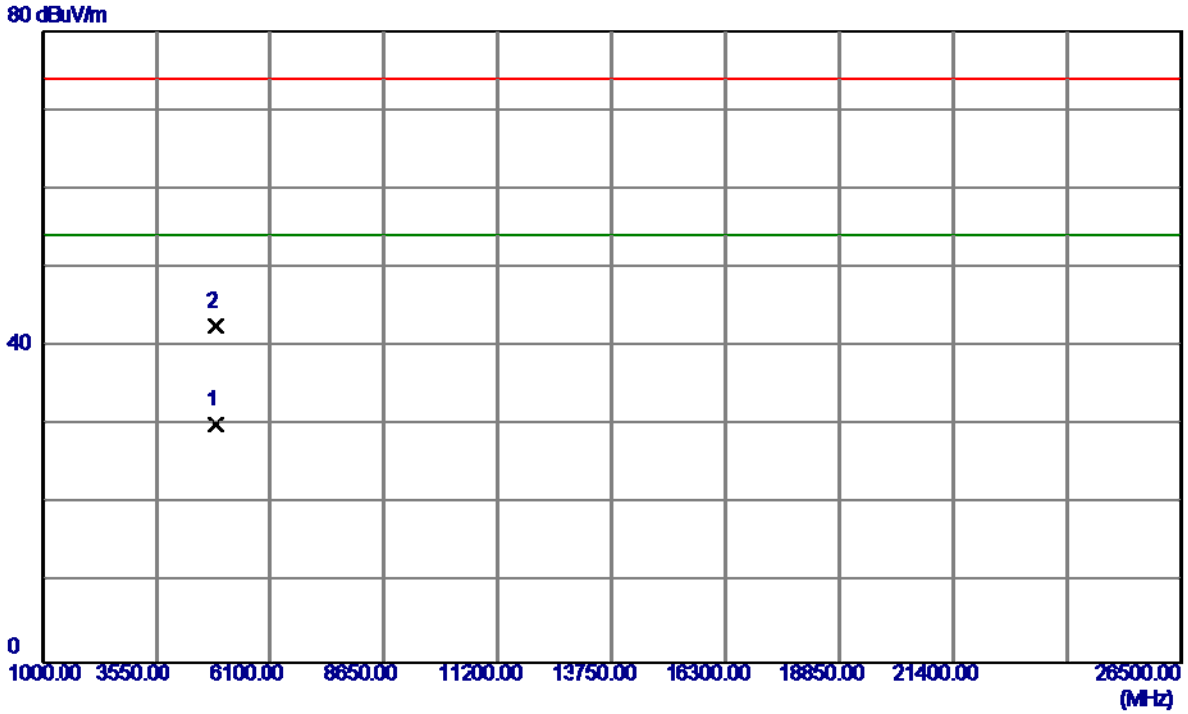
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.0000	58.86	34.51	93.37	74.00	19.37	Peak	No Limit
2	2438.1000	56.18	34.51	90.69	54.00	36.69	AVG	No Limit

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

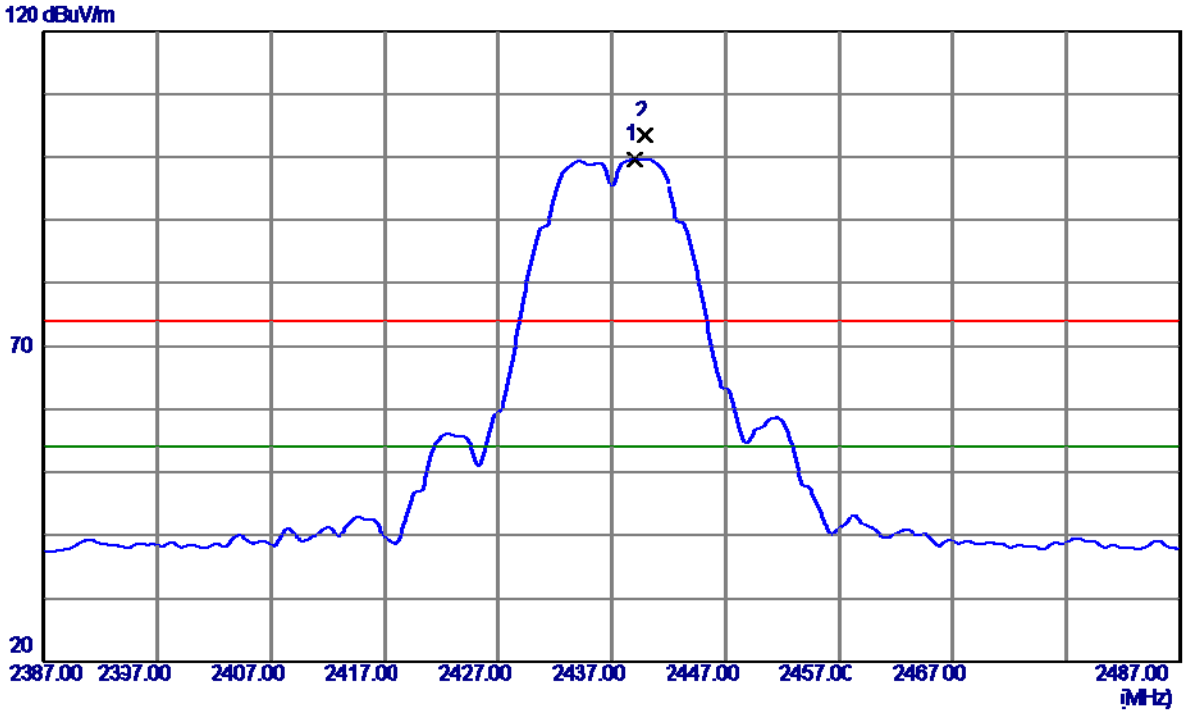
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.6200	23.12	6.97	30.09	54.00	-23.91	AVG	
2	4874.4200	35.63	6.97	42.60	74.00	-31.40	Peak	

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

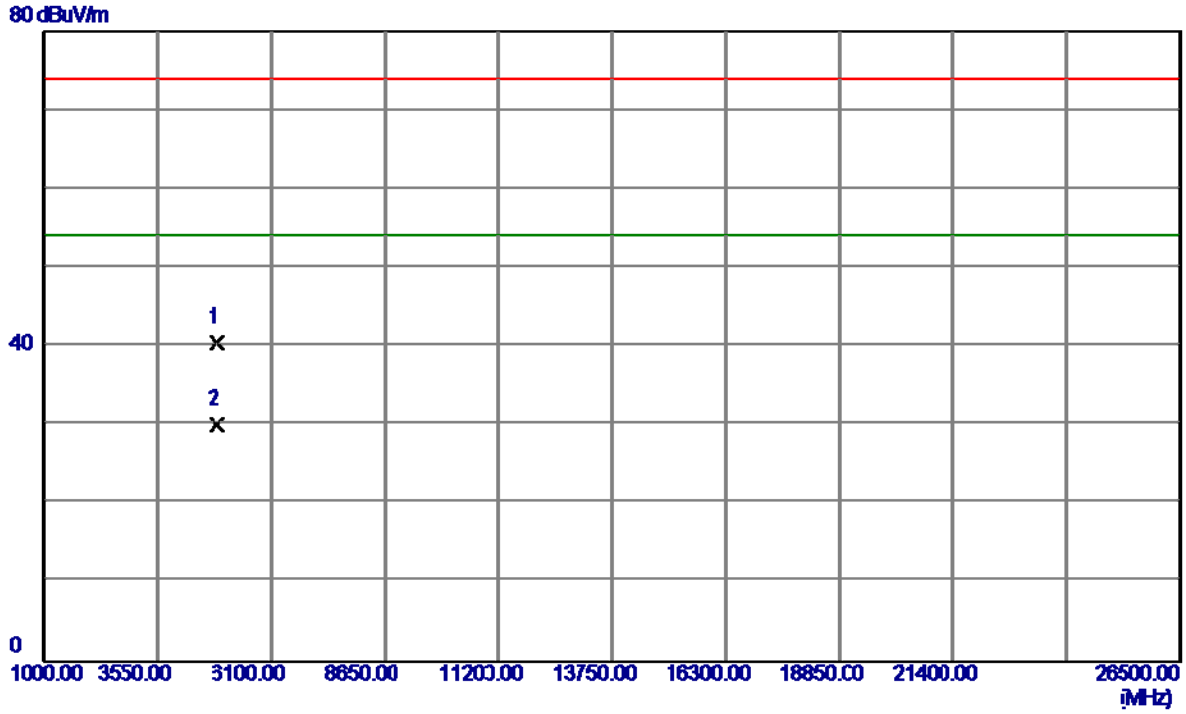
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2439.0000	65.13	34.52	99.65	54.00	45.65	AVG	No Limit
2	2439.9000	68.79	34.52	103.31	74.00	29.31	Peak	No Limit

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

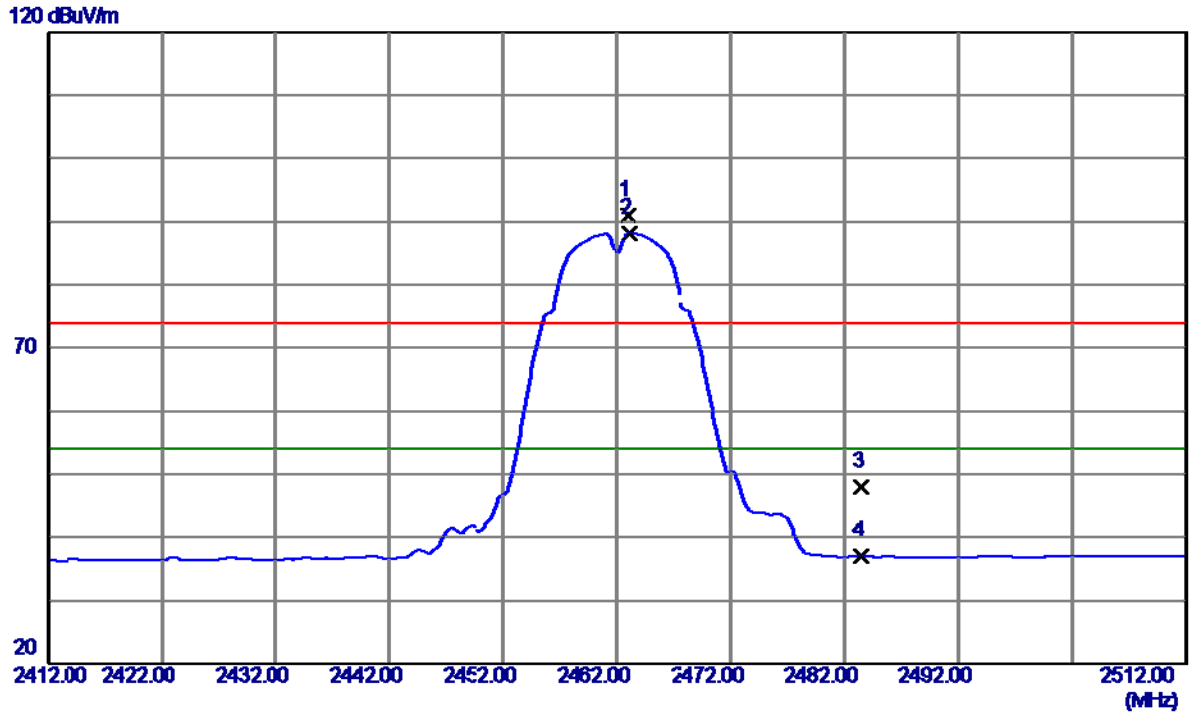
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.4100	33.57	6.97	40.54	74.00	-33.46	Peak	
2	4874.6300	23.15	6.97	30.12	54.00	-23.88	AVG	

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

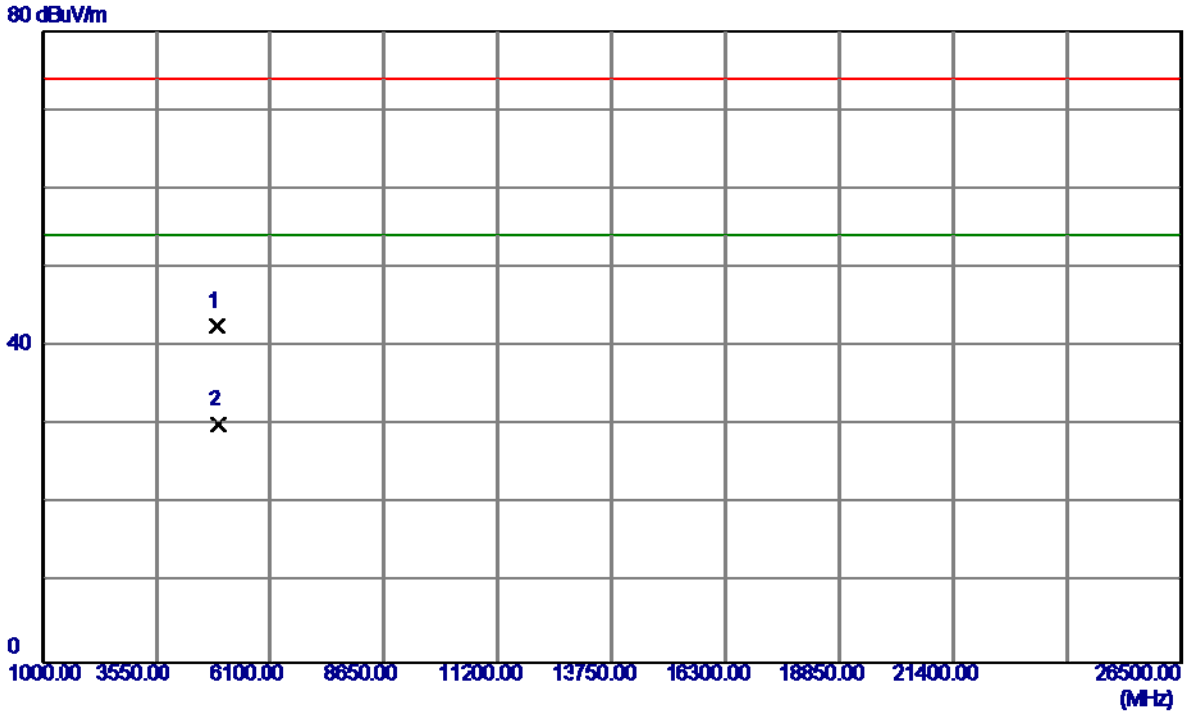
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463.0000	56.40	34.66	91.06	74.00	17.06	Peak	No Limit
2	2463.1000	53.61	34.66	88.27	54.00	34.27	AVG	No Limit
3	2483.5000	13.17	34.77	47.94	74.00	-26.06	Peak	
4	2483.5000	2.22	34.77	36.99	54.00	-17.01	AVG	

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

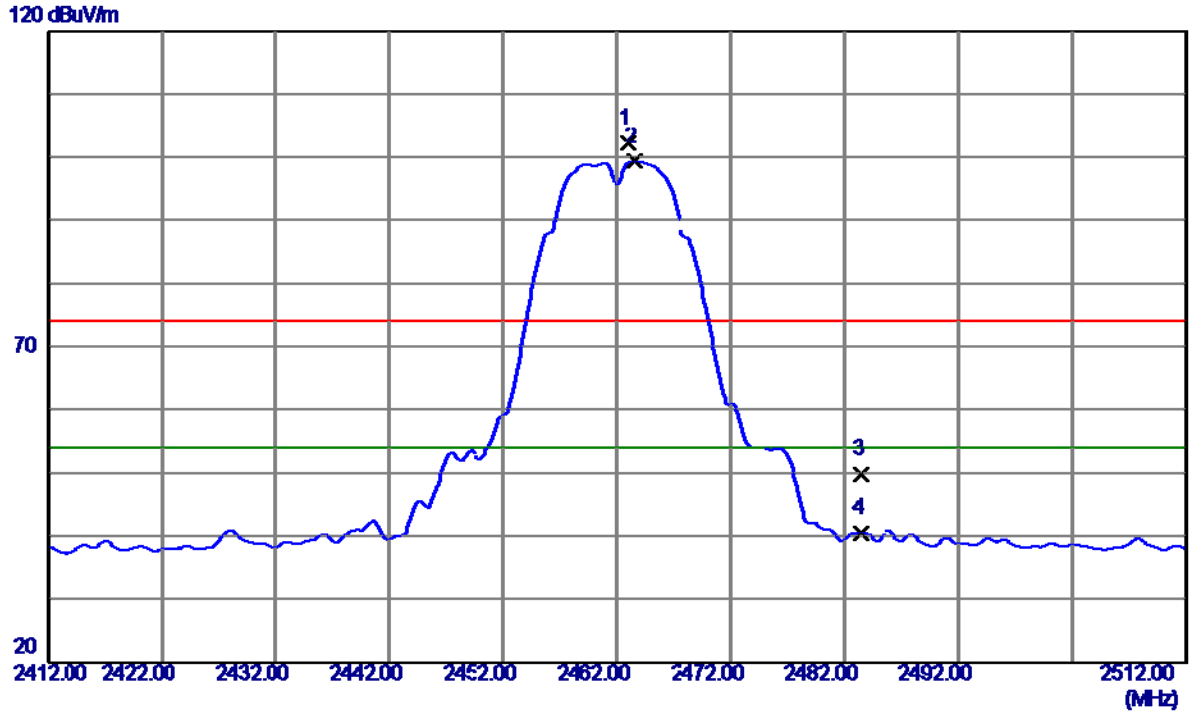
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.1000	35.48	7.12	42.60	74.00	-31.40	Peak	
2	4924.5299	22.97	7.12	30.09	54.00	-23.91	AVG	

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

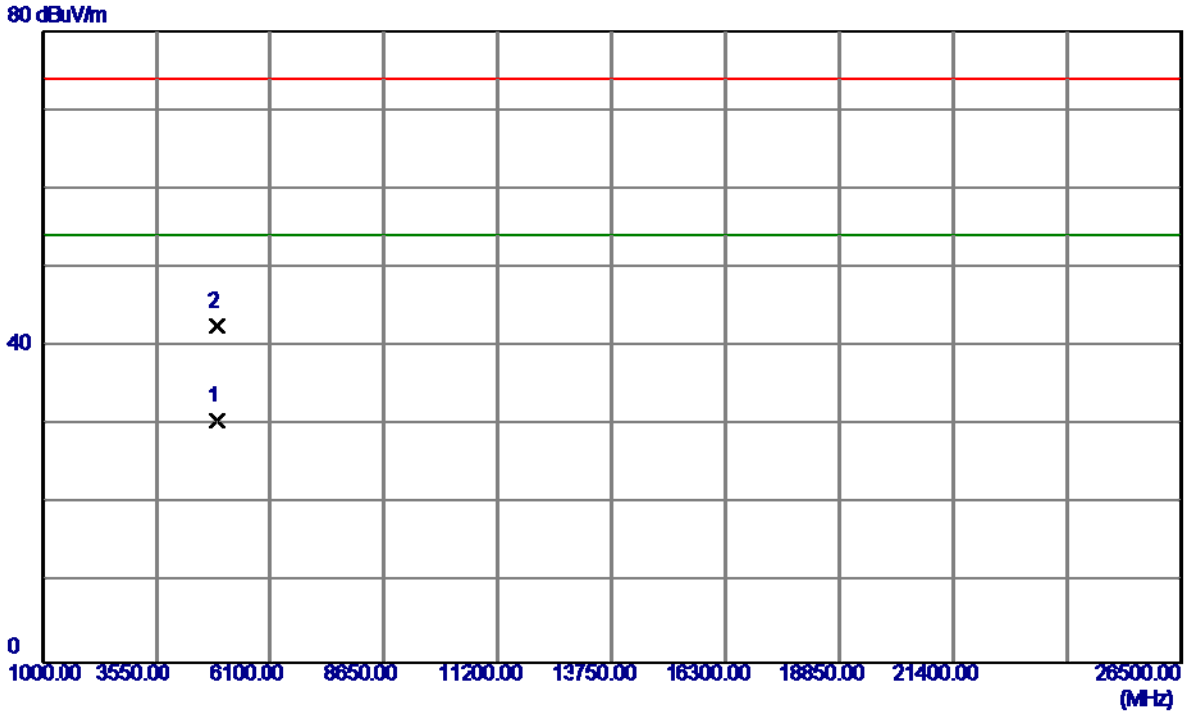
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463.0000	67.54	34.66	102.20	74.00	28.20	Peak	No Limit
2	2463.6000	64.64	34.66	99.30	54.00	45.30	AVG	No Limit
3	2483.5000	15.03	34.77	49.80	74.00	-24.20	Peak	
4	2483.5000	5.57	34.77	40.34	54.00	-13.66	AVG	

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

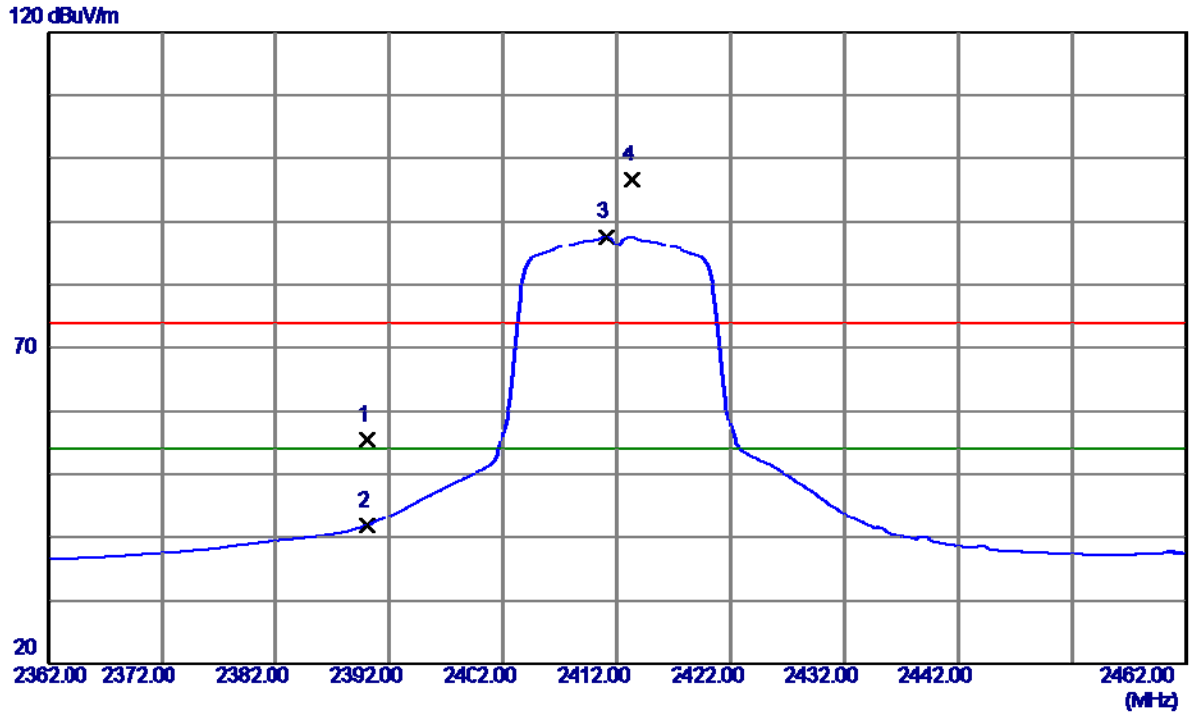
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.2100	23.46	7.12	30.58	54.00	-23.42	AVG	
2	4923.5000	35.42	7.12	42.54	74.00	-31.46	Peak	

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

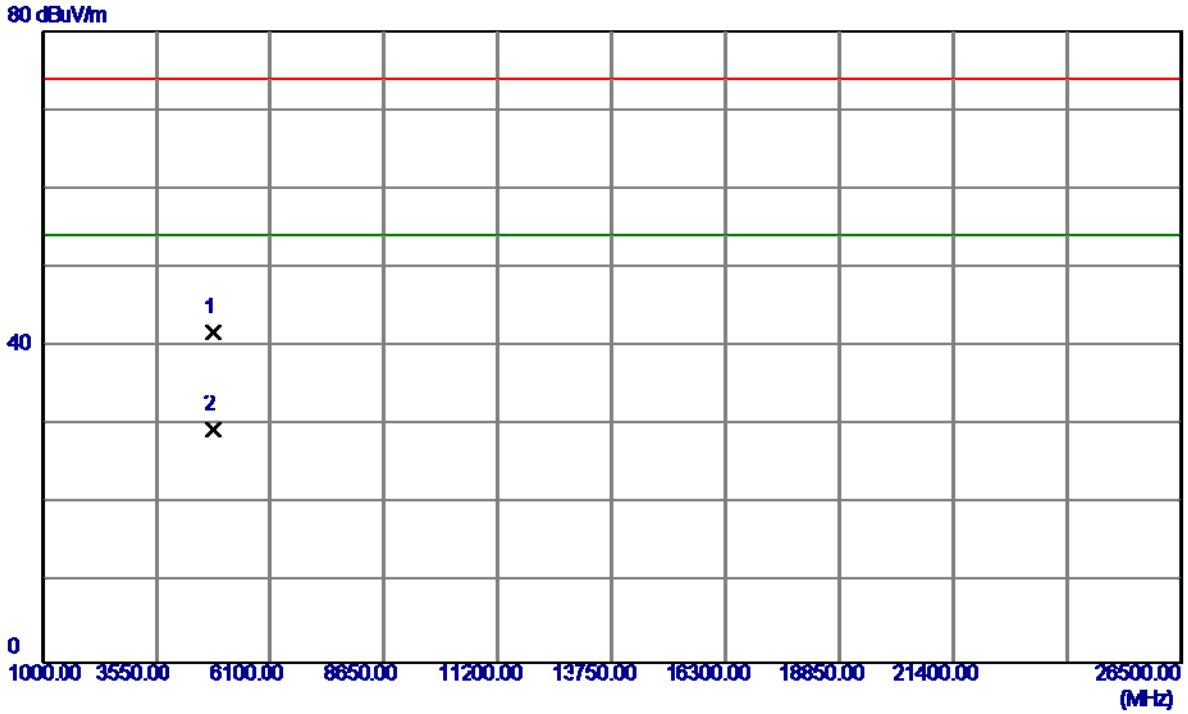
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	21.10	34.23	55.33	74.00	-18.67	Peak	
2	2390.0000	7.66	34.23	41.89	54.00	-12.11	AVG	
3	2411.1000	53.25	34.35	87.60	54.00	33.60	AVG	No Limit
4	2413.3000	62.16	34.37	96.53	74.00	22.53	Peak	No Limit

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

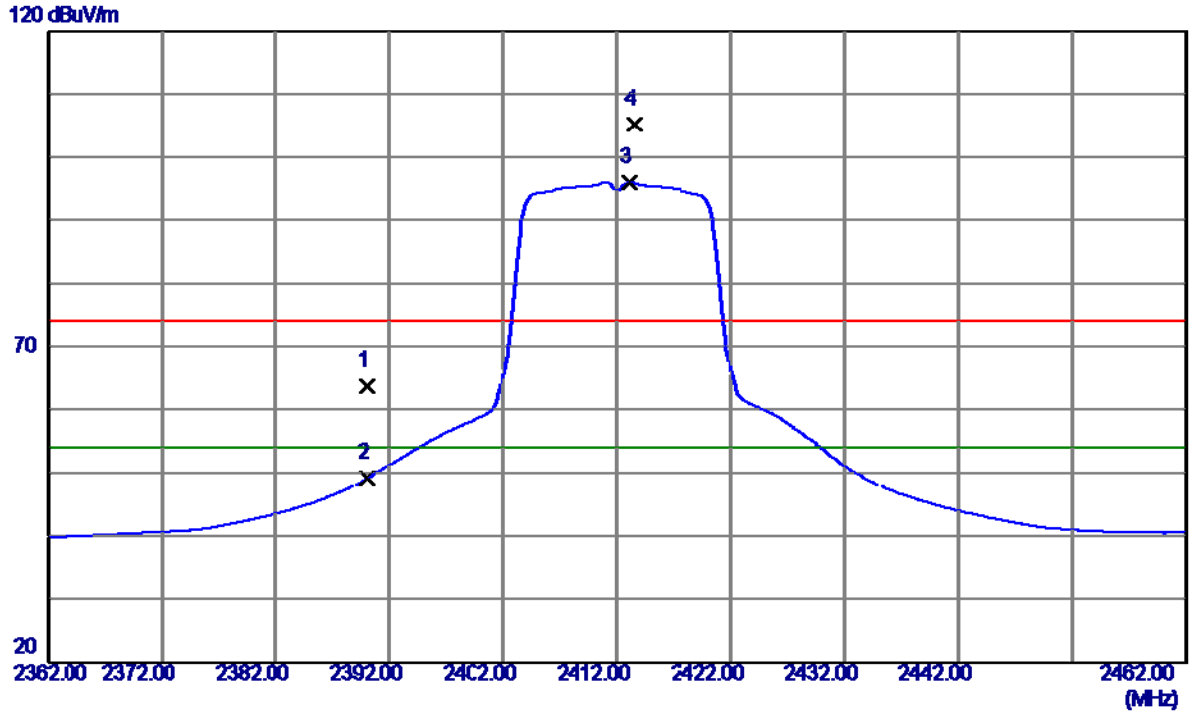
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824.5900	34.96	6.82	41.78	74.00	-32.22	Peak	
2	4824.6800	22.67	6.82	29.49	54.00	-24.51	AVG	

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

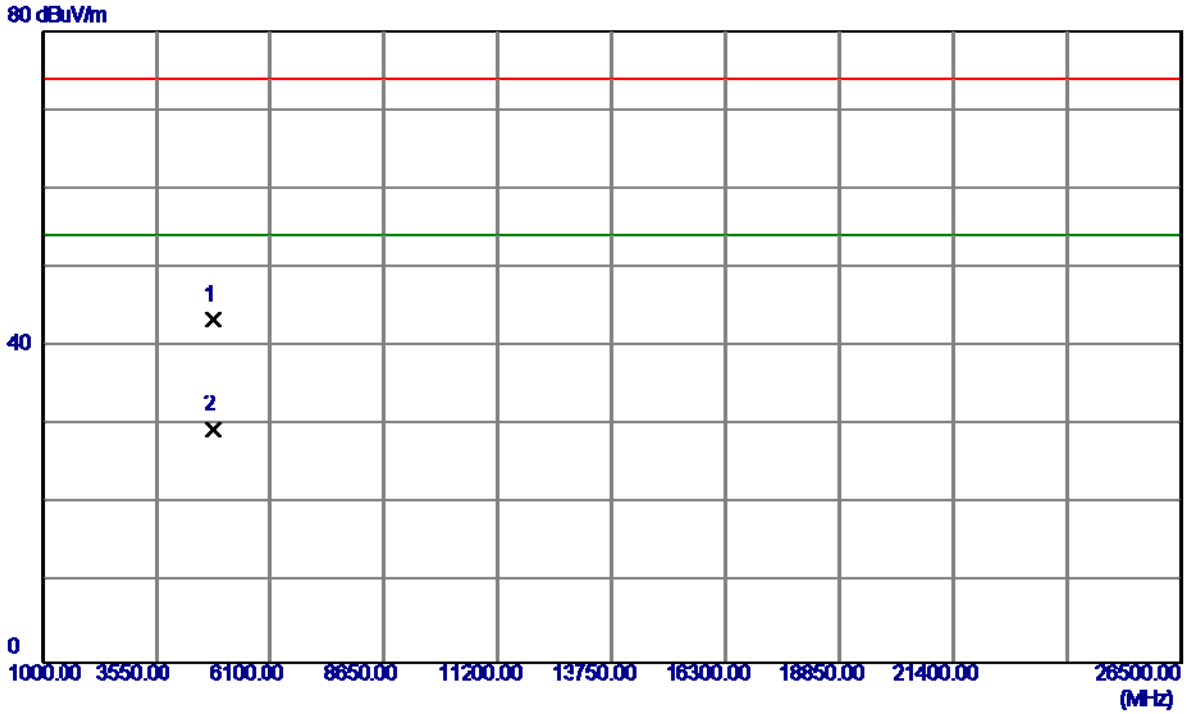
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	29.57	34.23	63.80	74.00	-10.20	Peak	
2	2390.0000	14.90	34.23	49.13	54.00	-4.87	AVG	
3	2413.1000	61.62	34.37	95.99	54.00	41.99	AVG	No Limit
4	2413.6000	70.88	34.37	105.25	74.00	31.25	Peak	No Limit

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

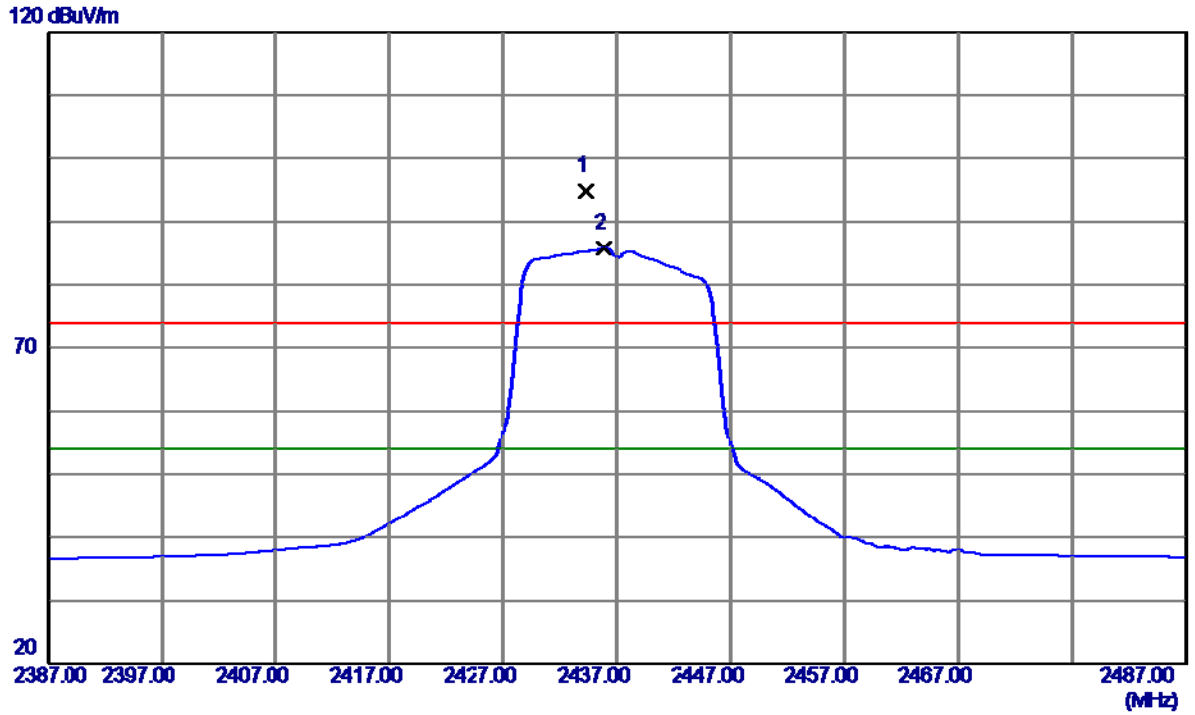
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4825.4900	36.48	6.82	43.30	74.00	-30.70	Peak	
2	4825.6400	22.55	6.83	29.38	54.00	-24.62	AVG	

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

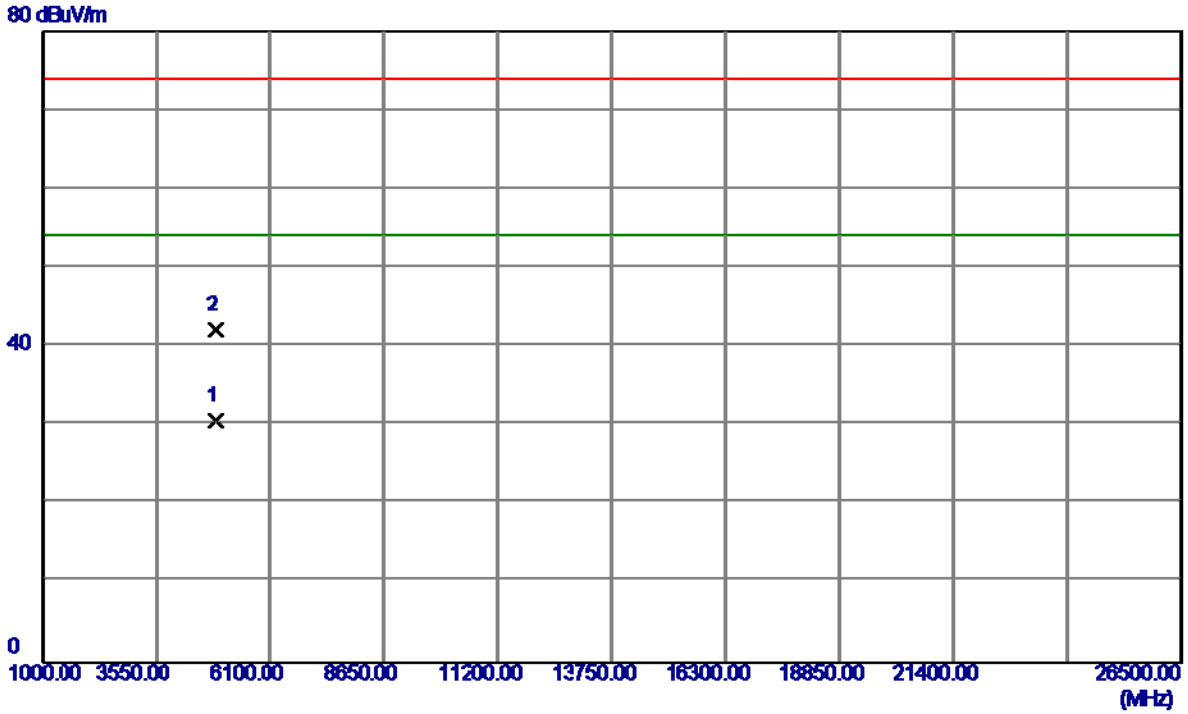
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2434.3000	60.29	34.49	94.78	74.00	20.78	Peak	No Limit
2	2435.9000	51.25	34.50	85.75	54.00	31.75	AVG	No Limit

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

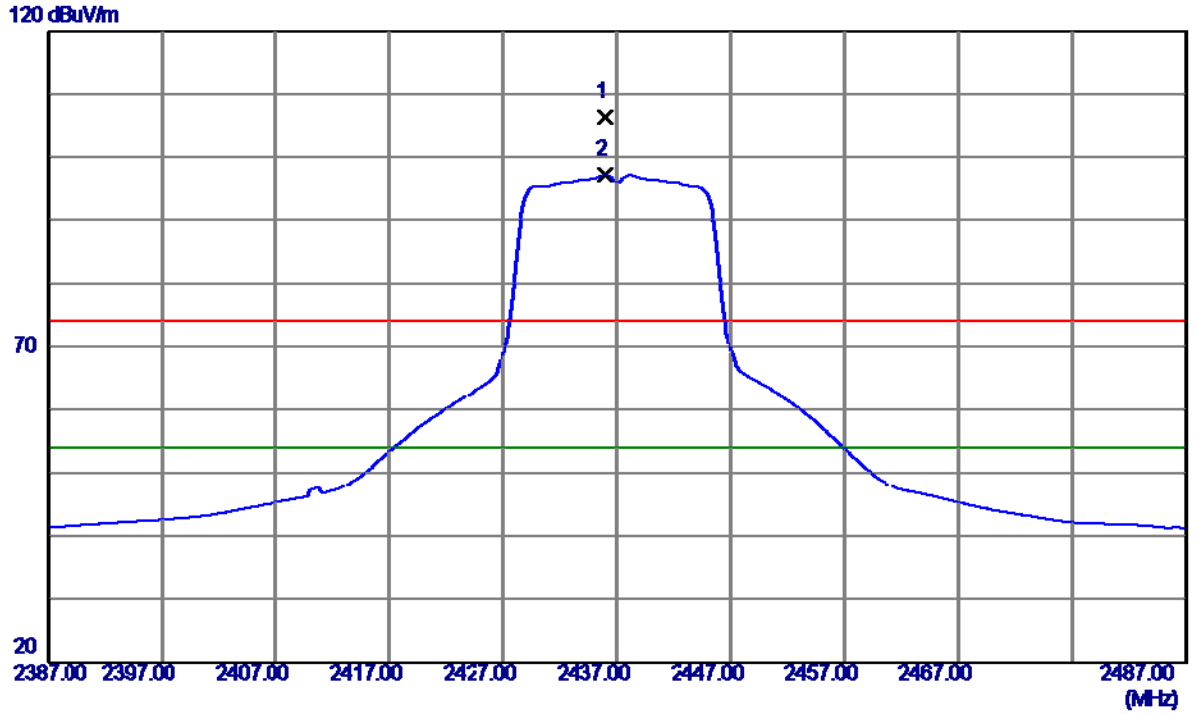
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4871.2900	23.59	6.96	30.55	54.00	-23.45	AVG	
2	4873.5800	35.08	6.97	42.05	74.00	-31.95	Peak	

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

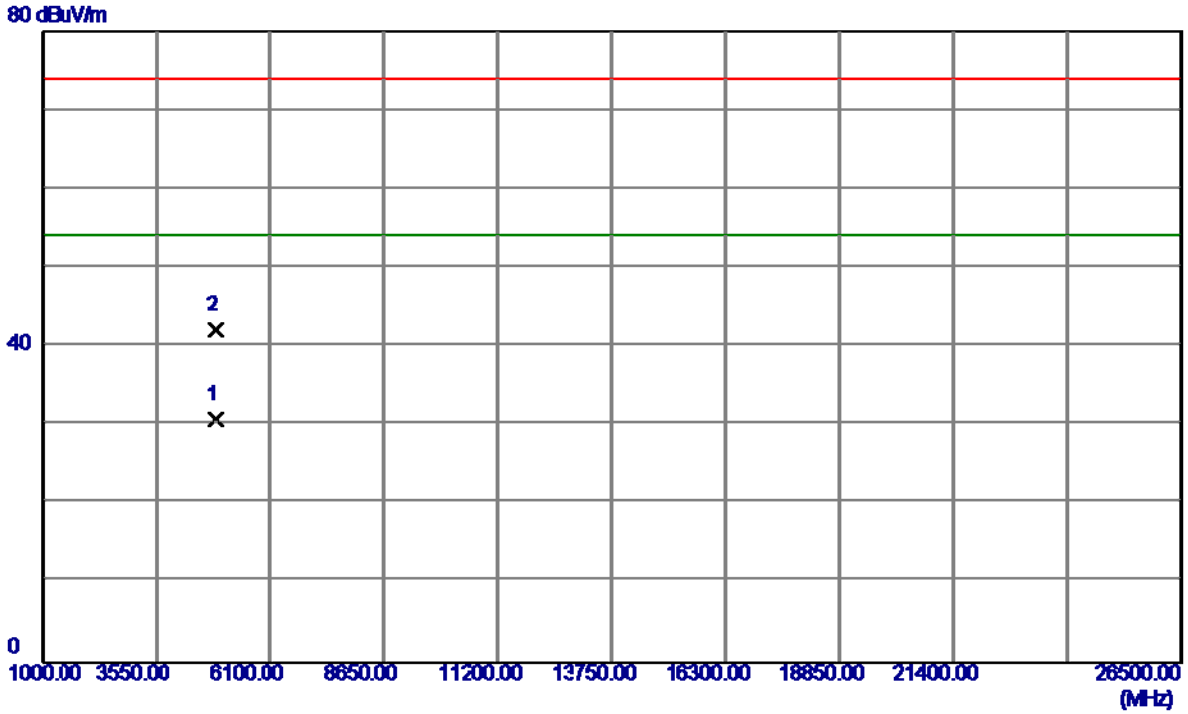
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2436.0000	71.96	34.50	106.46	74.00	32.46	Peak	No Limit
2	2436.0000	62.63	34.50	97.13	54.00	43.13	AVG	No Limit

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

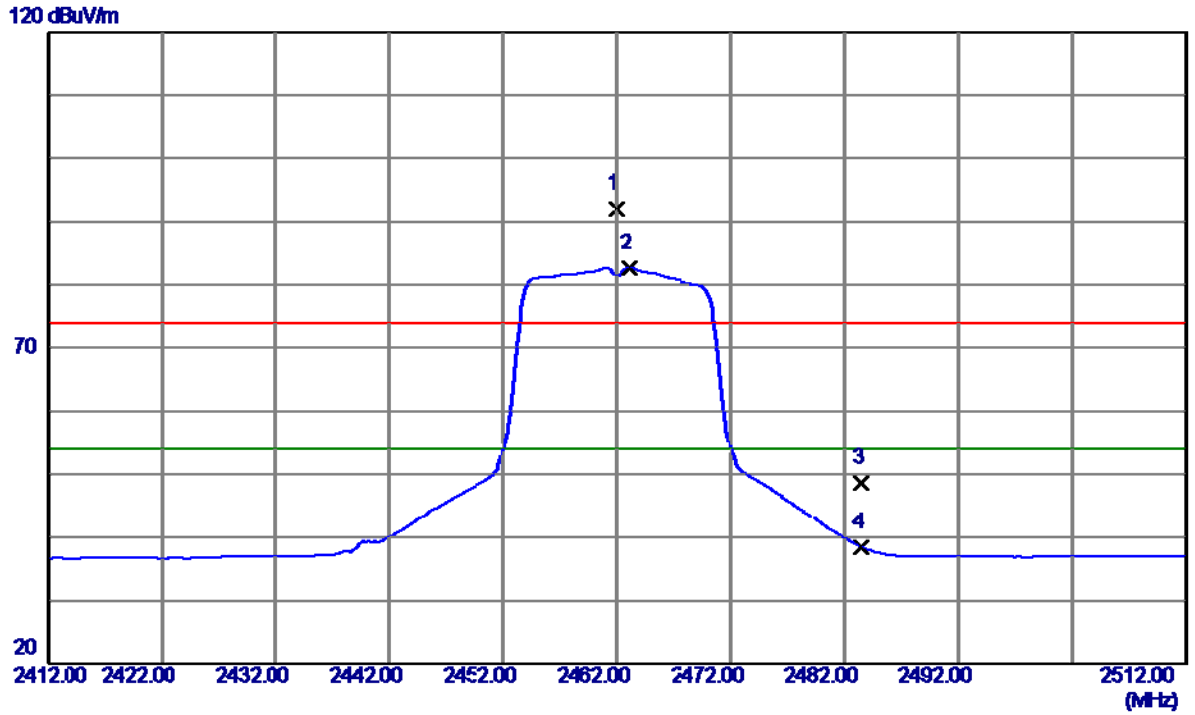
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4875.2900	23.80	6.97	30.77	54.00	-23.23	AVG	
2	4875.6100	35.13	6.98	42.11	74.00	-31.89	Peak	

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

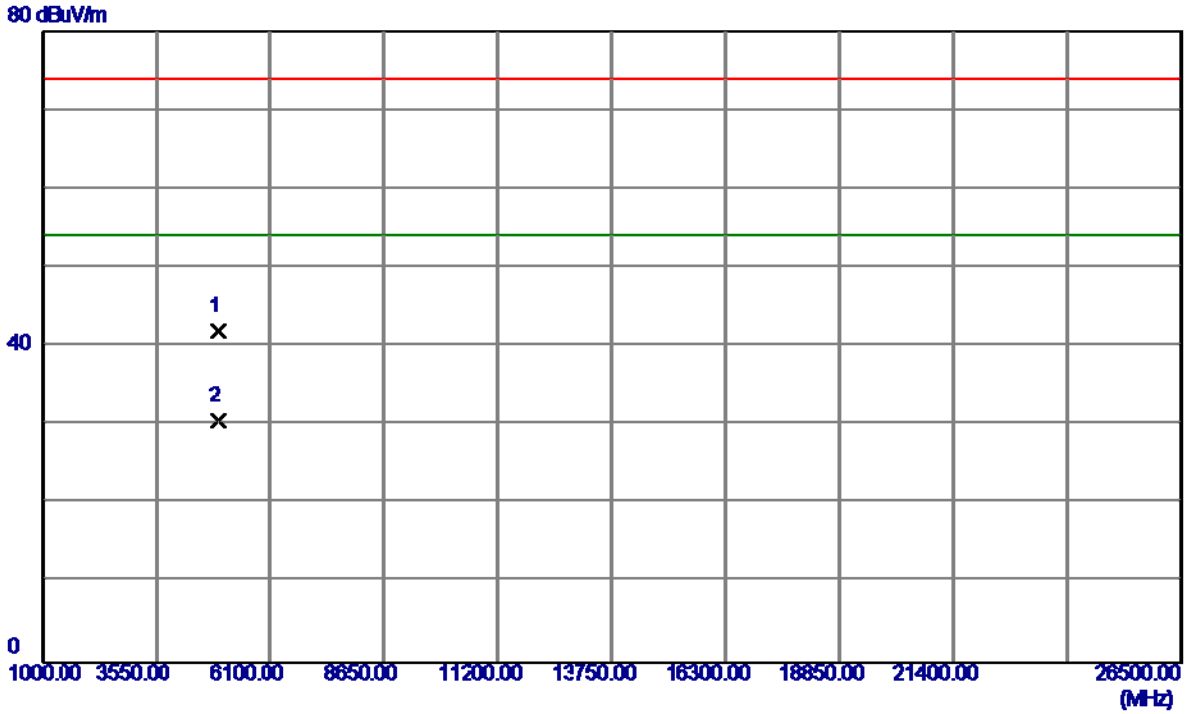
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2462.0000	57.26	34.65	91.91	74.00	17.91	Peak	No Limit
2	2463.1000	47.97	34.66	82.63	54.00	28.63	AVG	No Limit
3	2483.5000	13.92	34.77	48.69	74.00	-25.31	Peak	
4	2483.5000	3.63	34.77	38.40	54.00	-15.60	AVG	

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

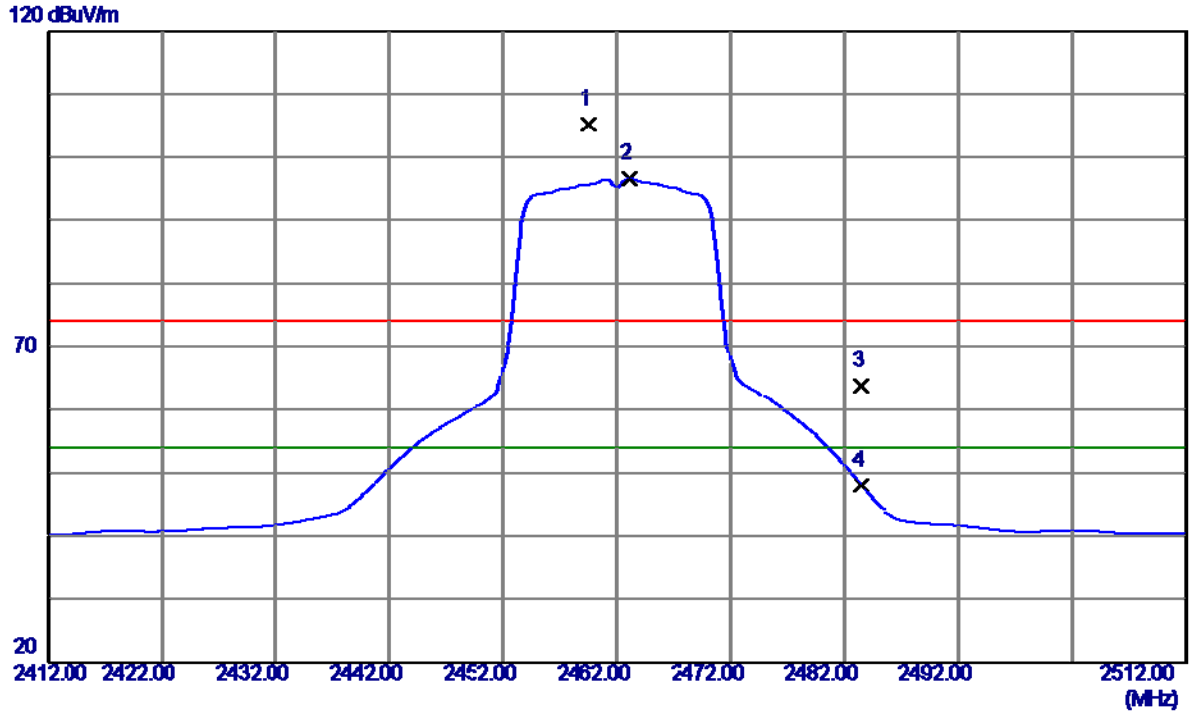
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.2500	34.86	7.12	41.98	74.00	-32.02	Peak	
2	4924.3900	23.43	7.12	30.55	54.00	-23.45	AVG	

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

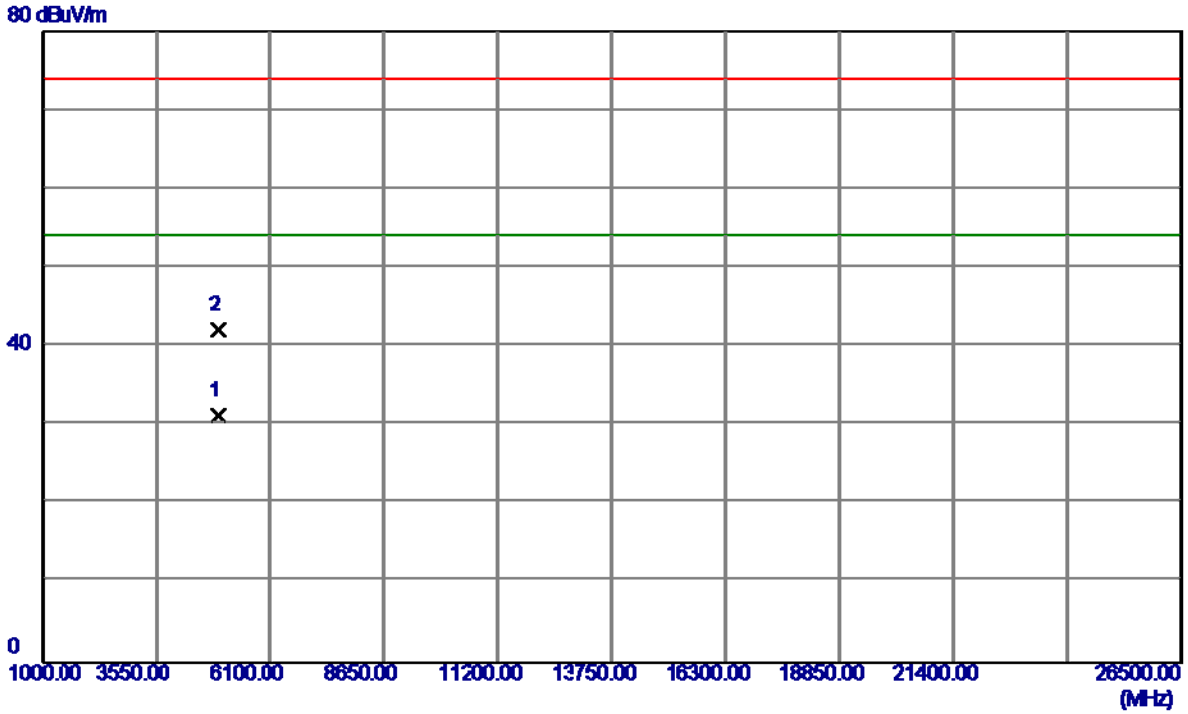
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459.6000	70.57	34.64	105.21	74.00	31.21	Peak	No Limit
2	2463.1000	61.90	34.66	96.56	54.00	42.56	AVG	No Limit
3	2483.5000	29.05	34.77	63.82	74.00	-10.18	Peak	
4	2483.5000	13.22	34.77	47.99	54.00	-6.01	AVG	

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

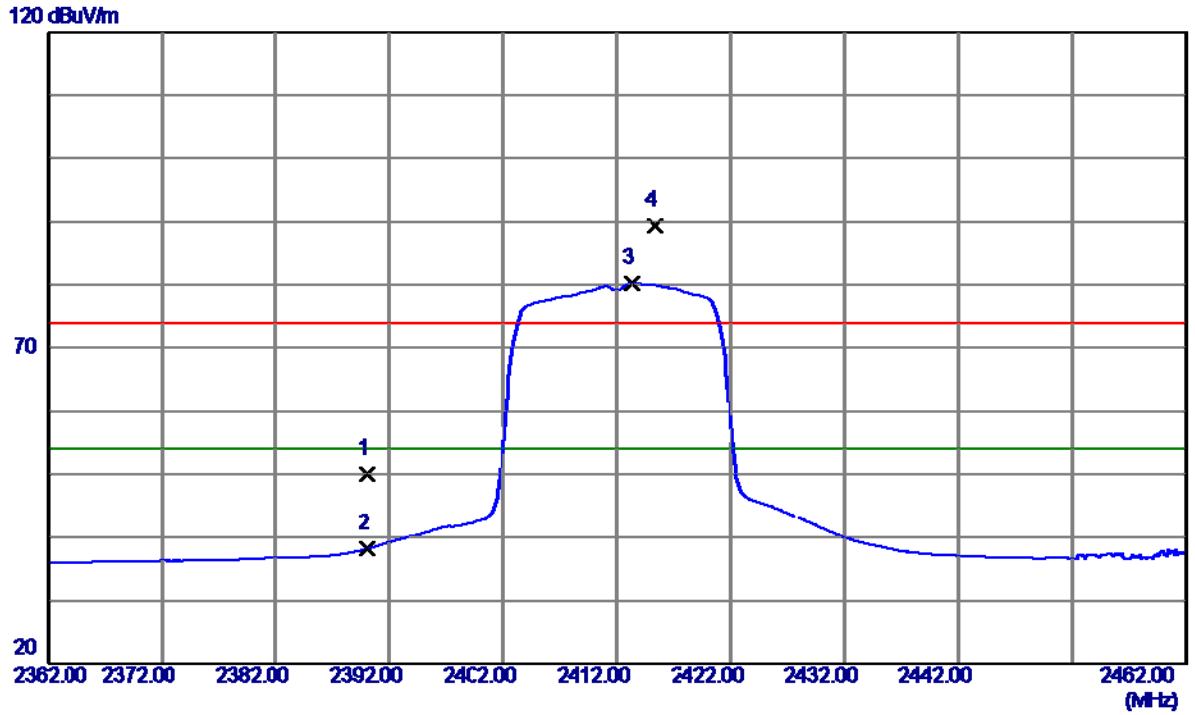
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.5200	24.14	7.12	31.26	54.00	-22.74	AVG	
2	4924.7100	34.99	7.12	42.11	74.00	-31.89	Peak	

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

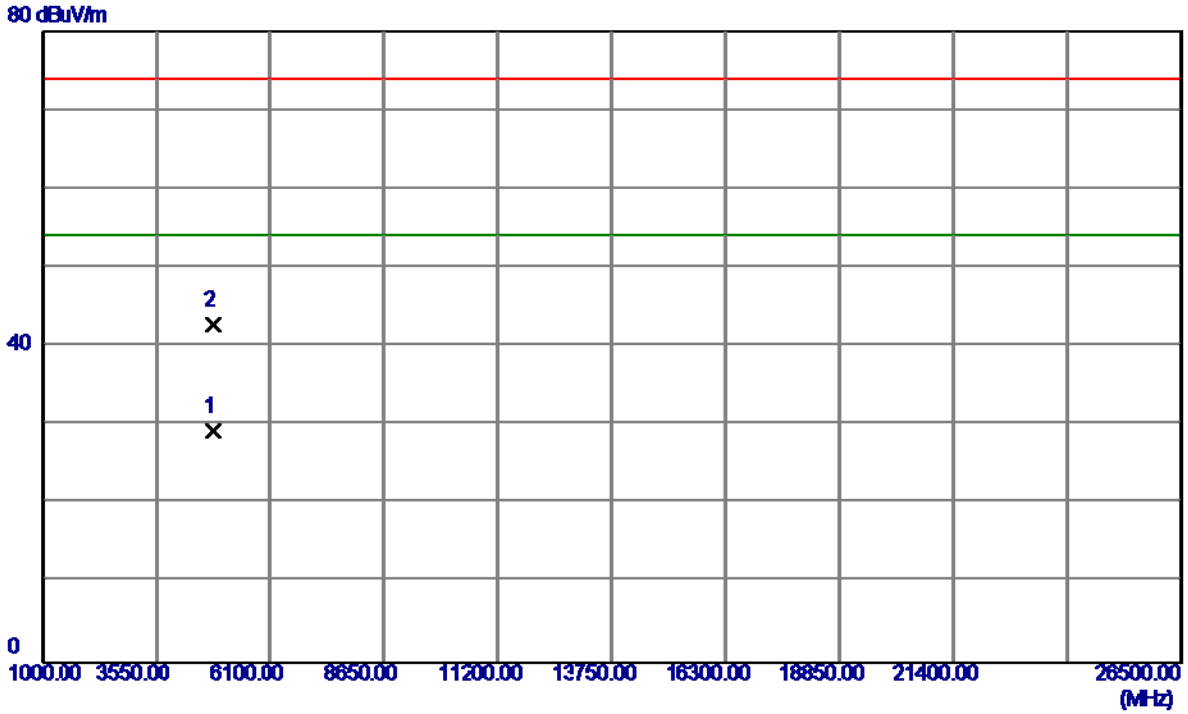
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	15.68	34.23	49.91	74.00	-24.09	Peak	
2	2390.0000	3.97	34.23	38.20	54.00	-15.80	AVG	
3	2413.3000	45.91	34.37	80.28	54.00	26.28	AVG	No Limit
4	2415.3000	55.01	34.38	89.39	74.00	15.39	Peak	No Limit

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

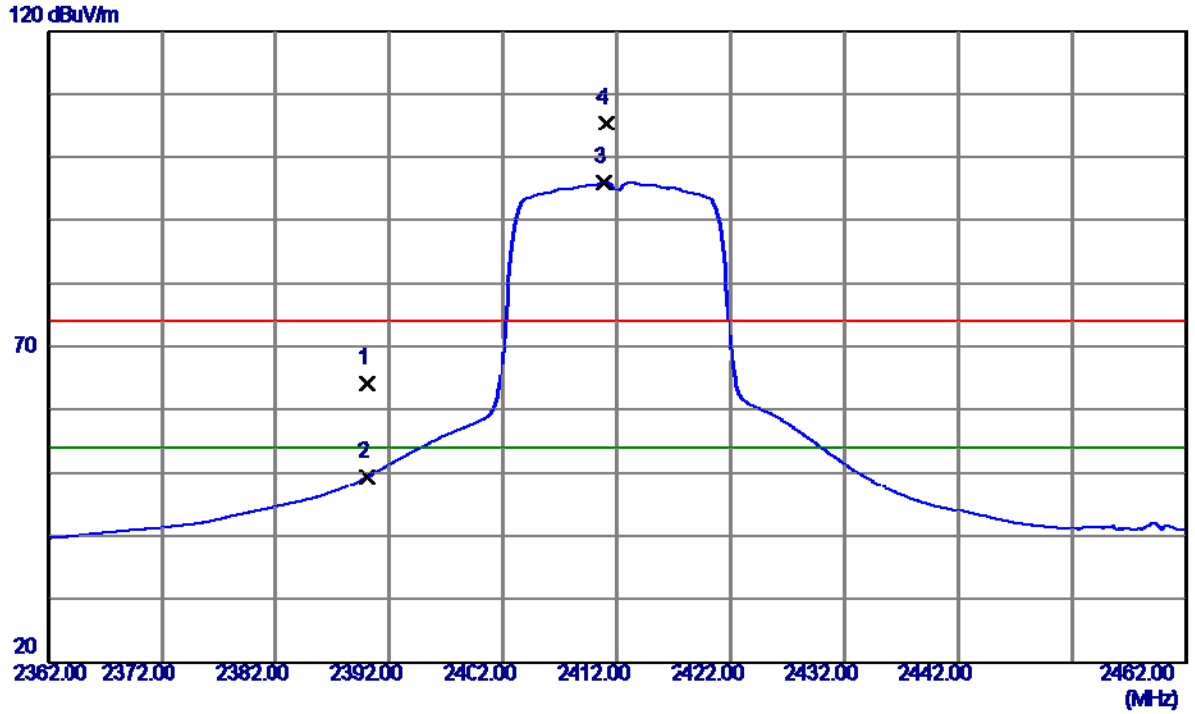
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.8500	22.38	6.82	29.20	54.00	-24.80	AVG	
2	4823.8900	35.84	6.82	42.66	74.00	-31.34	Peak	

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

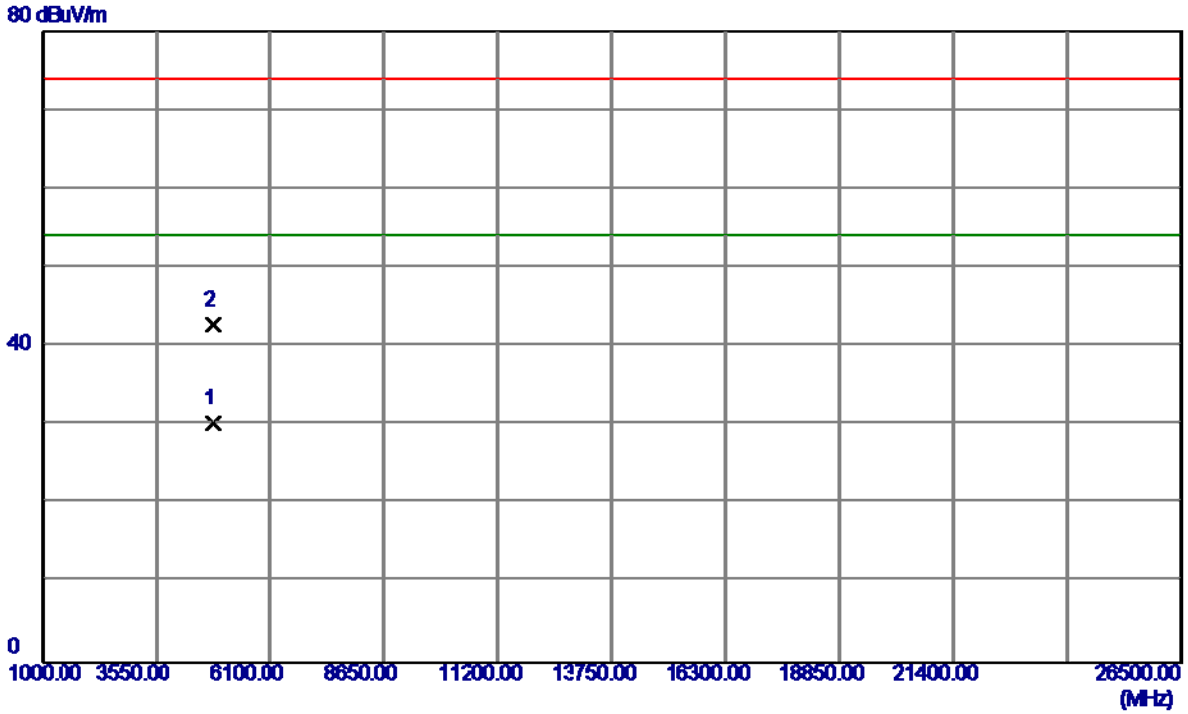
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	30.05	34.23	64.28	74.00	-9.72	Peak	
2	2390.0000	15.15	34.23	49.38	54.00	-4.62	AVG	
3	2410.9000	61.67	34.35	96.02	54.00	42.02	AVG	No Limit
4	2411.1000	71.05	34.35	105.40	74.00	31.40	Peak	No Limit

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

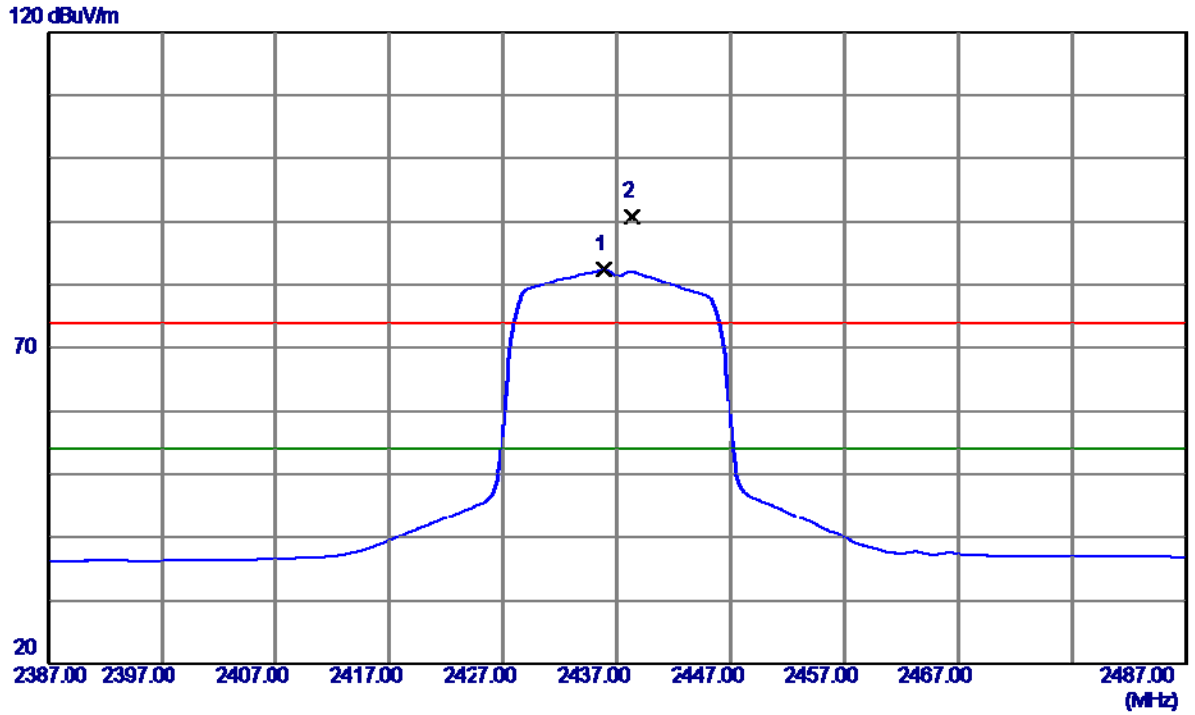
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.1700	23.40	6.82	30.22	54.00	-23.78	AVG	
2	4823.5700	35.84	6.82	42.66	74.00	-31.34	Peak	

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

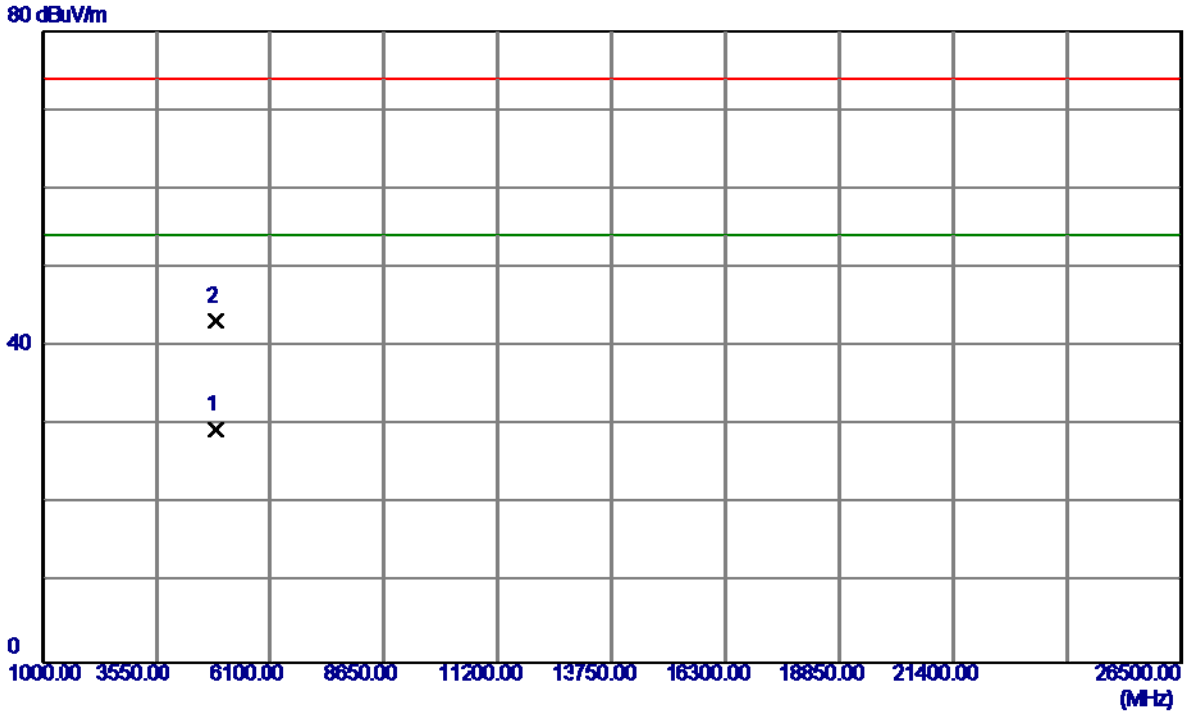
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2435.9000	47.81	34.50	82.31	54.00	28.31	AVG	No Limit
2	2438.3000	56.33	34.51	90.84	74.00	16.84	Peak	No Limit

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

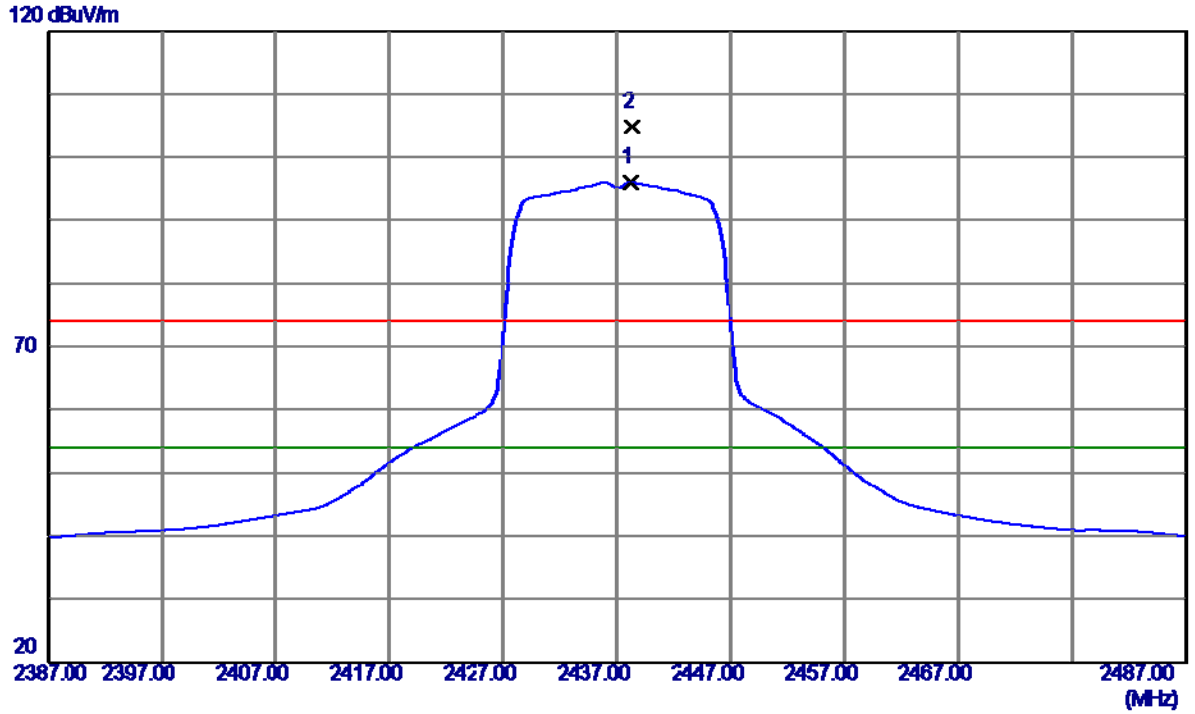
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4875.2500	22.47	6.97	29.44	54.00	-24.56	AVG	
2	4875.3900	36.29	6.97	43.26	74.00	-30.74	Peak	

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

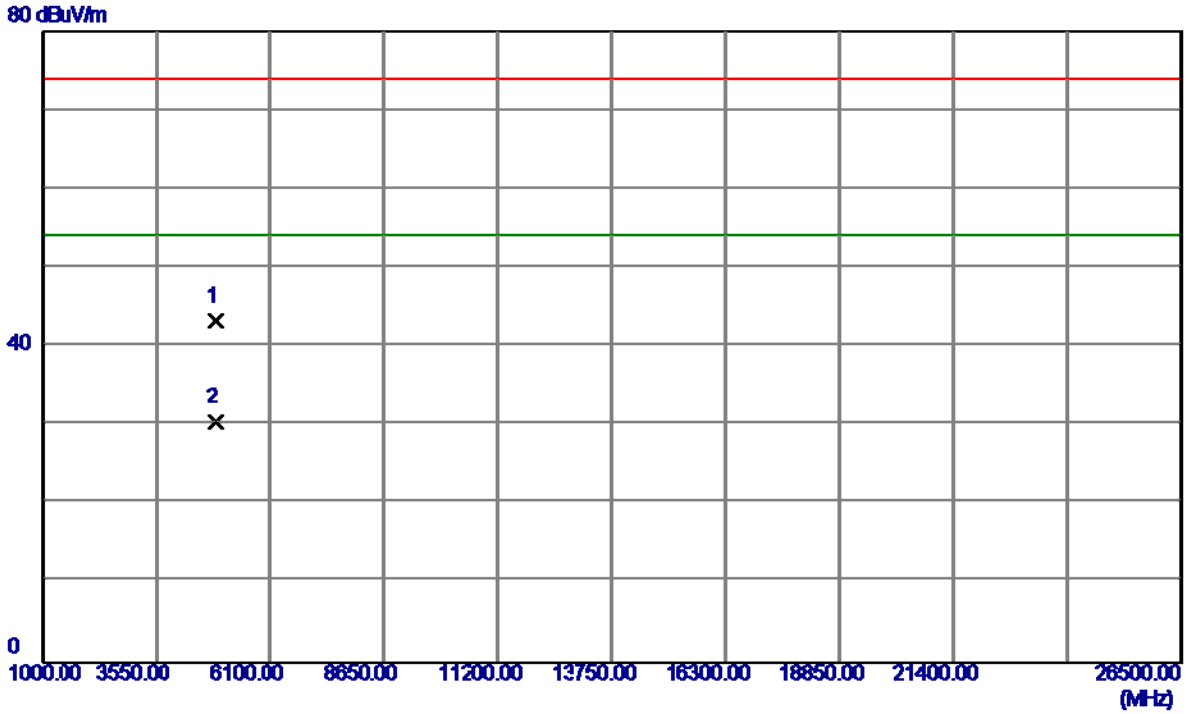
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.2000	61.54	34.51	96.05	54.00	42.05	AVG	No Limit
2	2438.3000	70.34	34.51	104.85	74.00	30.85	Peak	No Limit

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

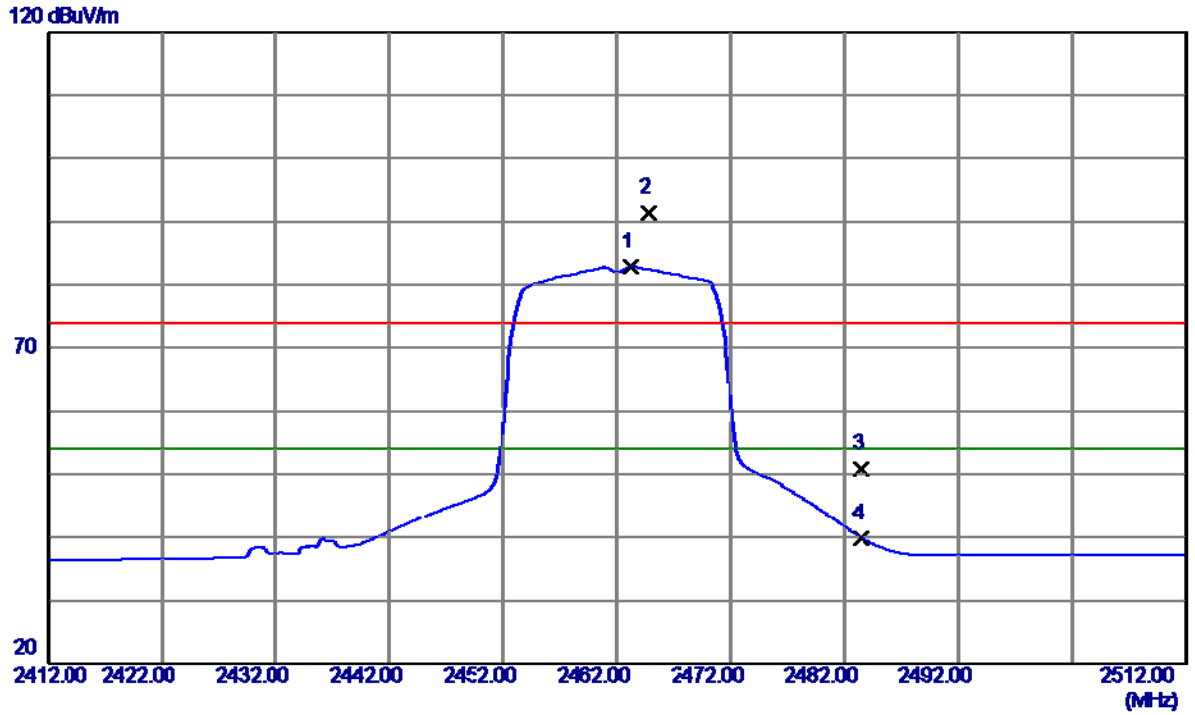
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.5400	36.18	6.97	43.15	74.00	-30.85	Peak	
2	4874.8600	23.46	6.97	30.43	54.00	-23.57	AVG	

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

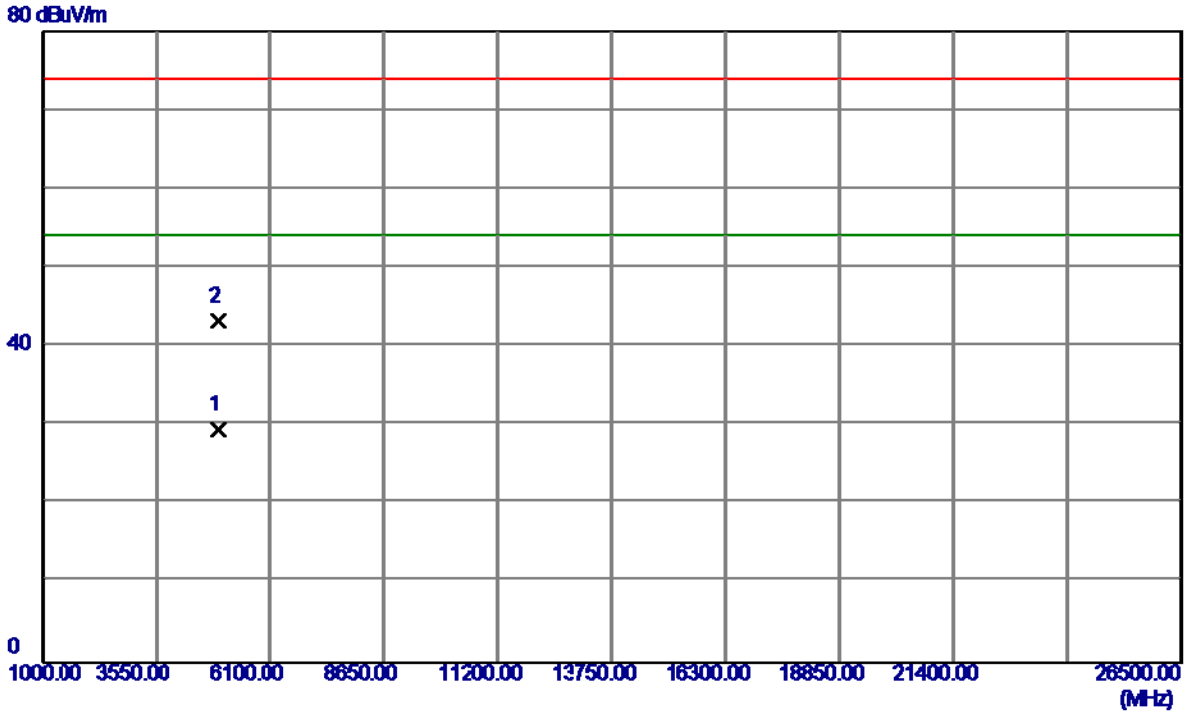
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463.2000	48.18	34.66	82.84	54.00	28.84	AVG	No Limit
2	2464.8000	56.76	34.67	91.43	74.00	17.43	Peak	No Limit
3	2483.5000	16.12	34.77	50.89	74.00	-23.11	Peak	
4	2483.5000	5.04	34.77	39.81	54.00	-14.19	AVG	

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

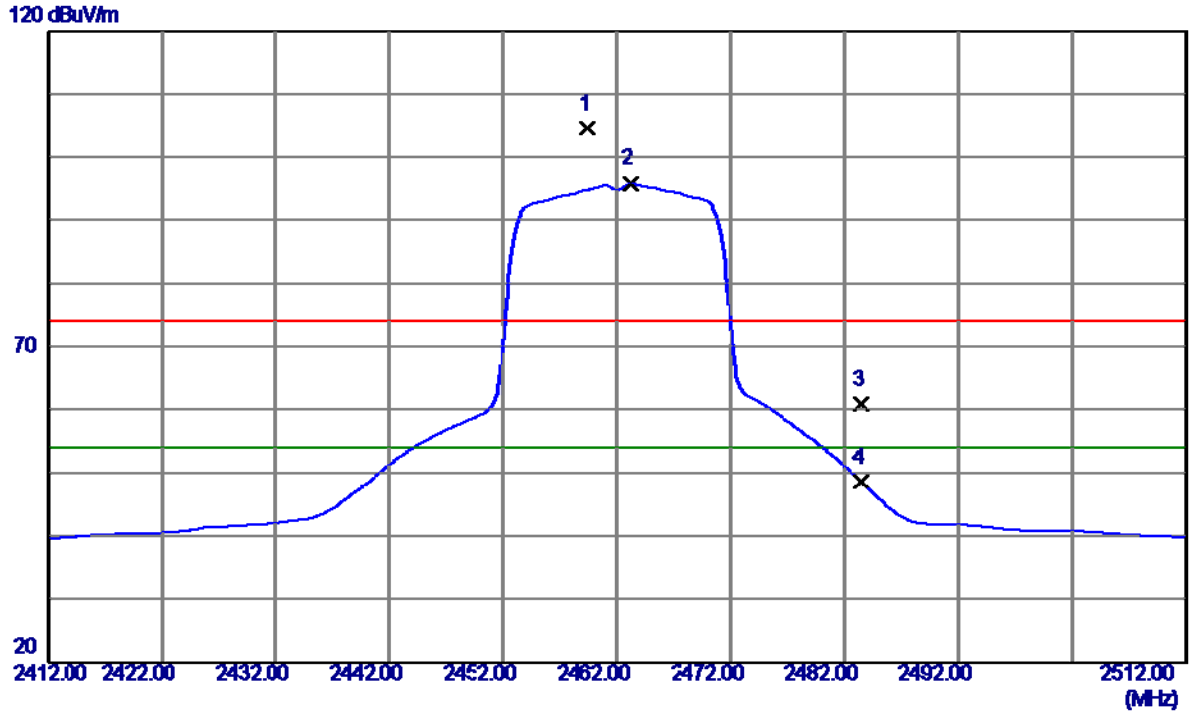
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.2500	22.32	7.12	29.44	54.00	-24.56	AVG	
2	4924.6000	36.14	7.12	43.26	74.00	-30.74	Peak	

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

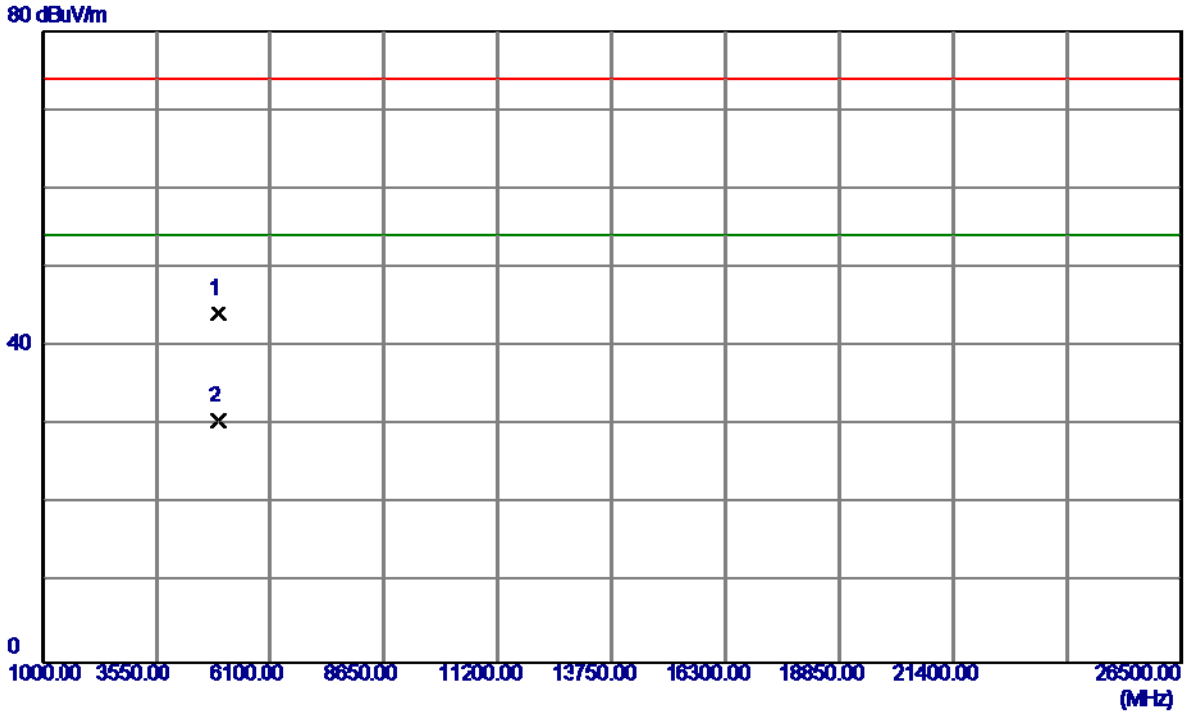
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459.5000	69.86	34.64	104.50	74.00	30.50	Peak	No Limit
2	2463.2000	61.14	34.66	95.80	54.00	41.80	AVG	No Limit
3	2483.5000	26.07	34.77	60.84	74.00	-13.16	Peak	
4	2483.5000	13.73	34.77	48.50	54.00	-5.50	AVG	

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

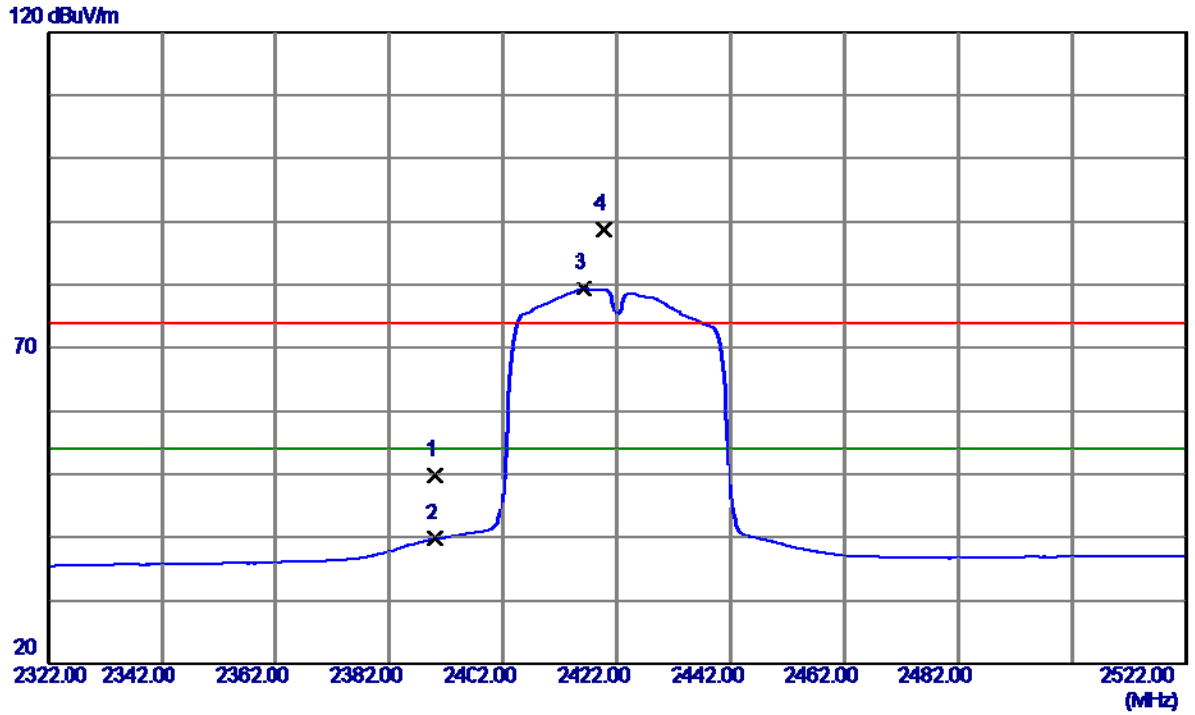
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.2000	37.11	7.12	44.23	74.00	-29.77	Peak	
2	4924.3000	23.42	7.12	30.54	54.00	-23.46	AVG	

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

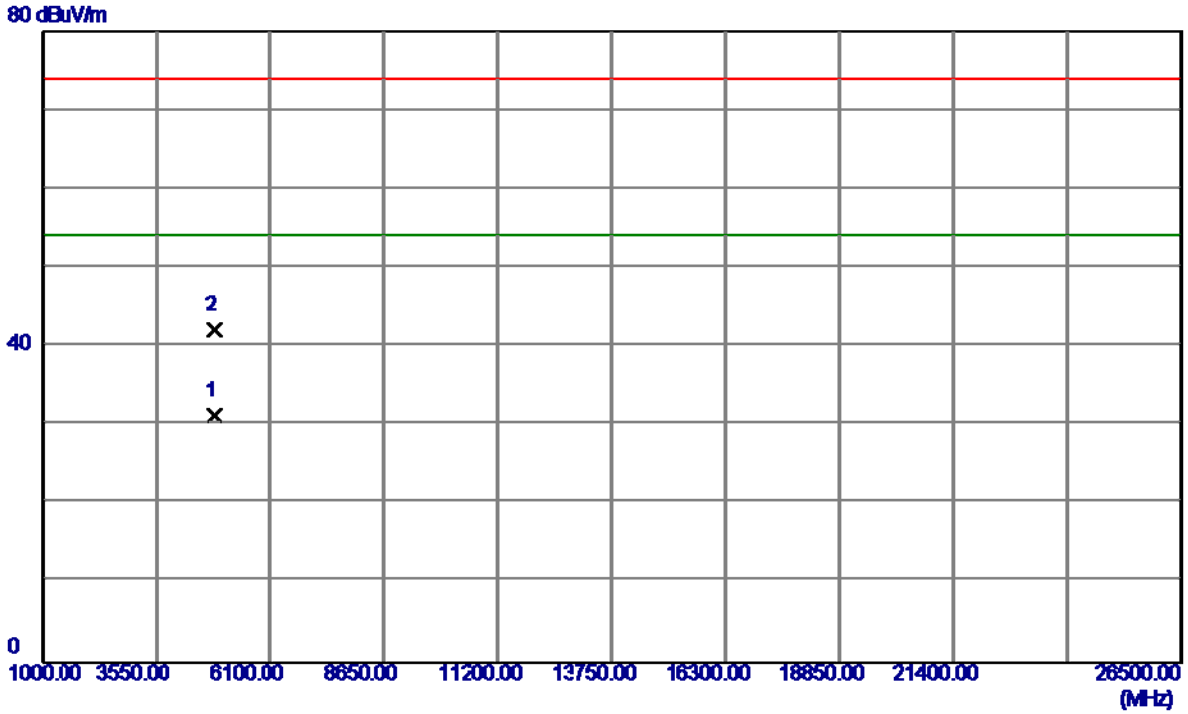
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	15.61	34.23	49.84	74.00	-24.16	Peak	
2	2390.0000	5.51	34.23	39.74	54.00	-14.26	AVG	
3	2416.2000	44.97	34.38	79.35	54.00	25.35	AVG	No Limit
4	2419.8000	54.32	34.40	88.72	74.00	14.72	Peak	No Limit

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

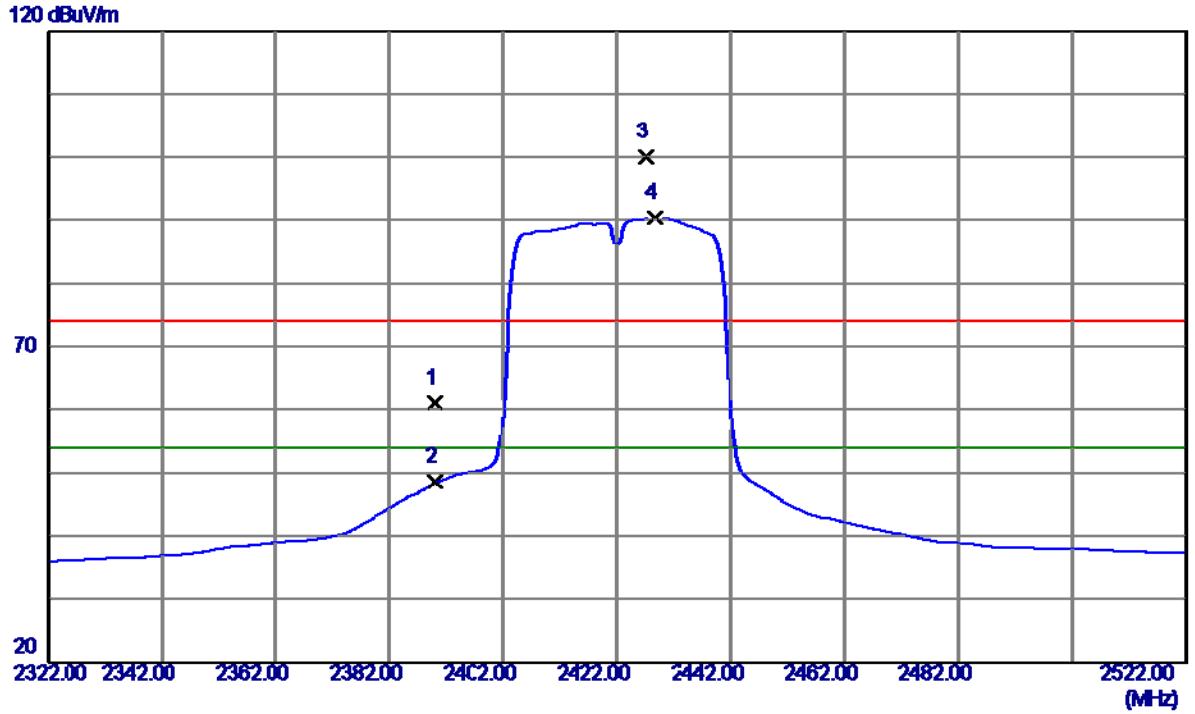
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4844.3400	24.29	6.88	31.17	54.00	-22.83	AVG	
2	4844.4200	35.22	6.88	42.10	74.00	-31.90	Peak	

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

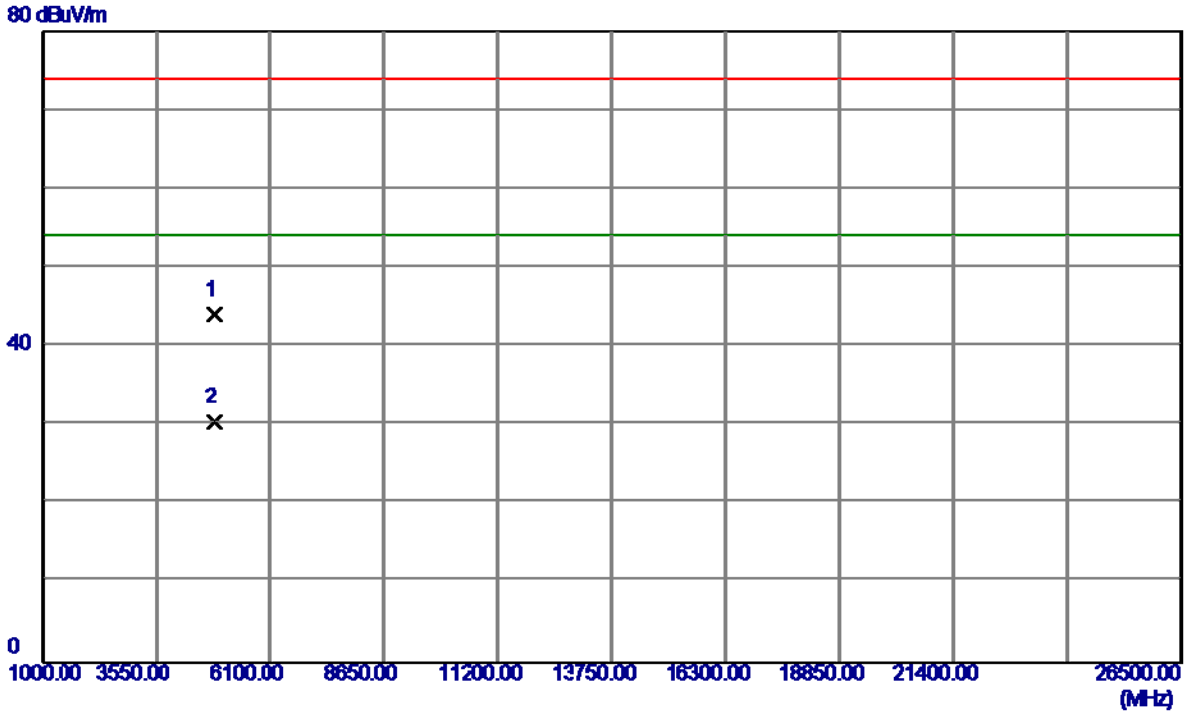
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	26.69	34.23	60.92	74.00	-13.08	Peak	
2	2390.0000	14.28	34.23	48.51	54.00	-5.49	AVG	
3	2427.2000	65.55	34.45	100.00	74.00	26.00	Peak	No Limit
4	2428.6000	56.02	34.46	90.48	54.00	36.48	AVG	No Limit

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

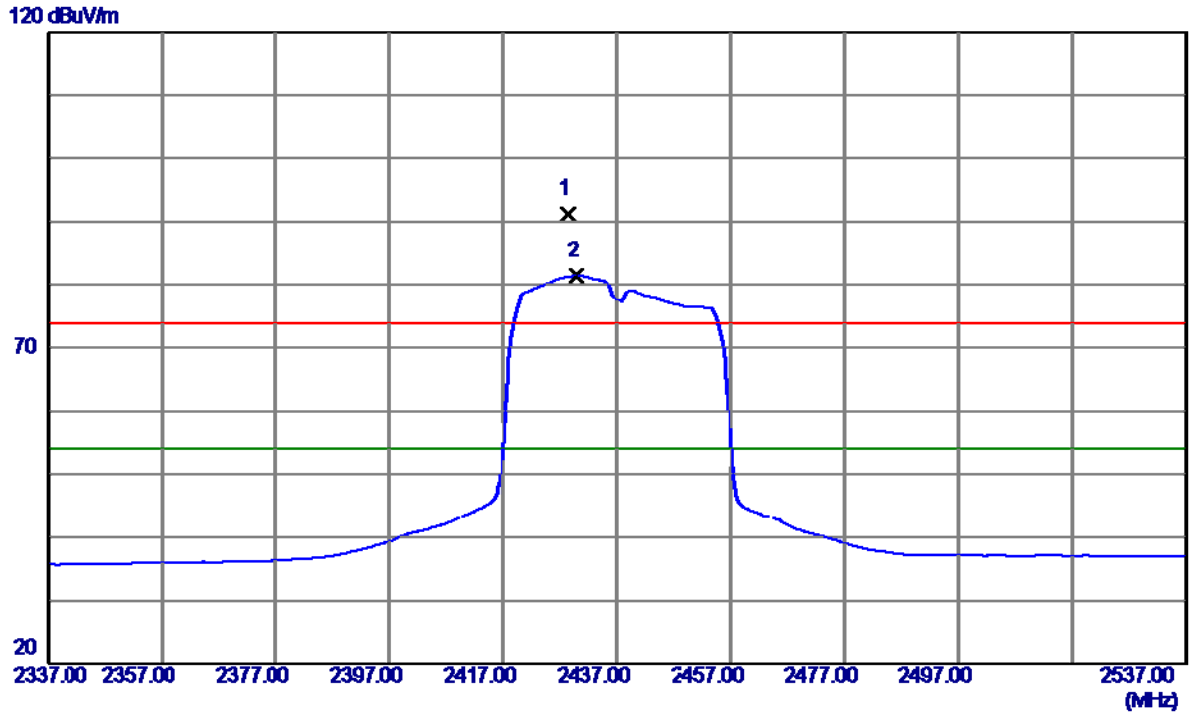
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4844.3900	37.07	6.88	43.95	74.00	-30.05	Peak	
2	4844.7100	23.54	6.88	30.42	54.00	-23.58	AVG	

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

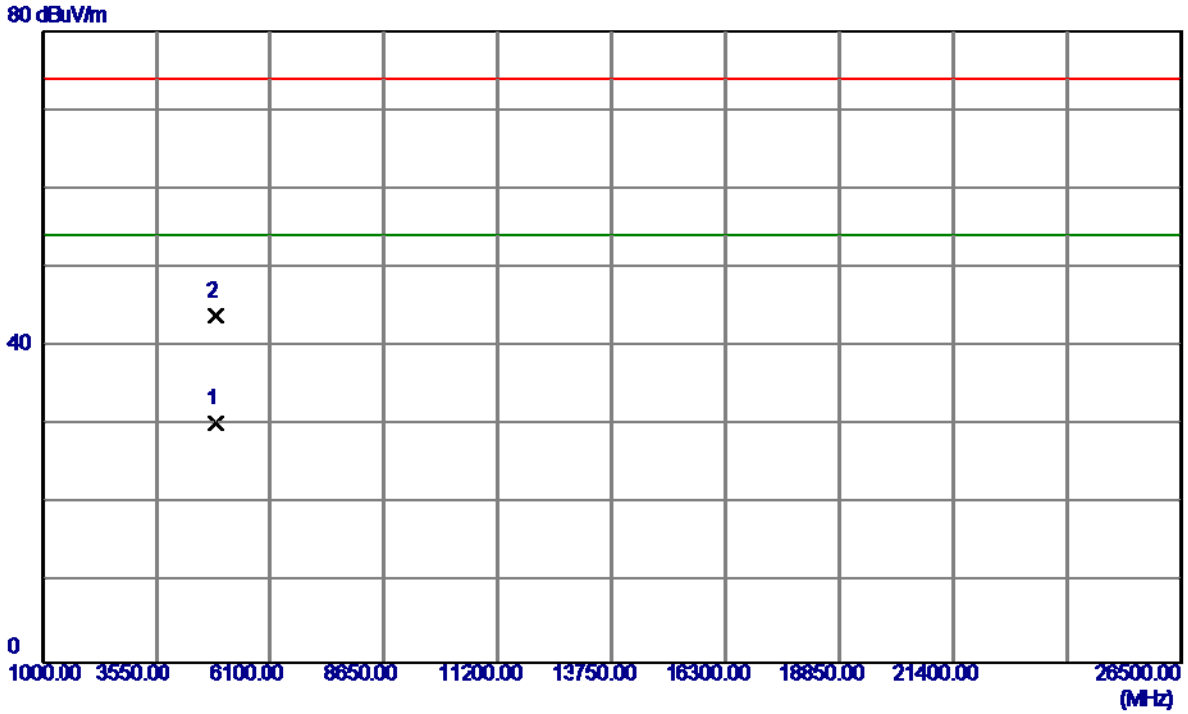
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2428.4000	56.67	34.45	91.12	74.00	17.12	Peak	No Limit
2	2429.8000	46.90	34.46	81.36	54.00	27.36	AVG	No Limit

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

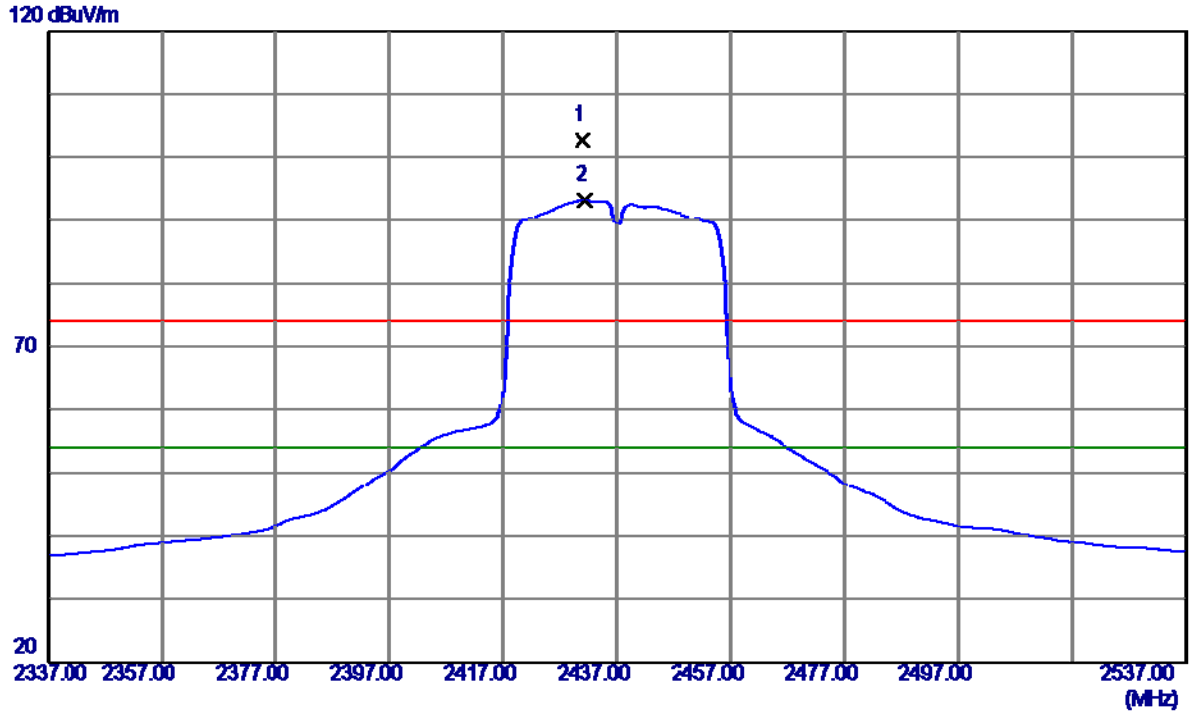
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.2700	23.34	6.97	30.31	54.00	-23.69	AVG	
2	4873.5000	36.84	6.97	43.81	74.00	-30.19	Peak	

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

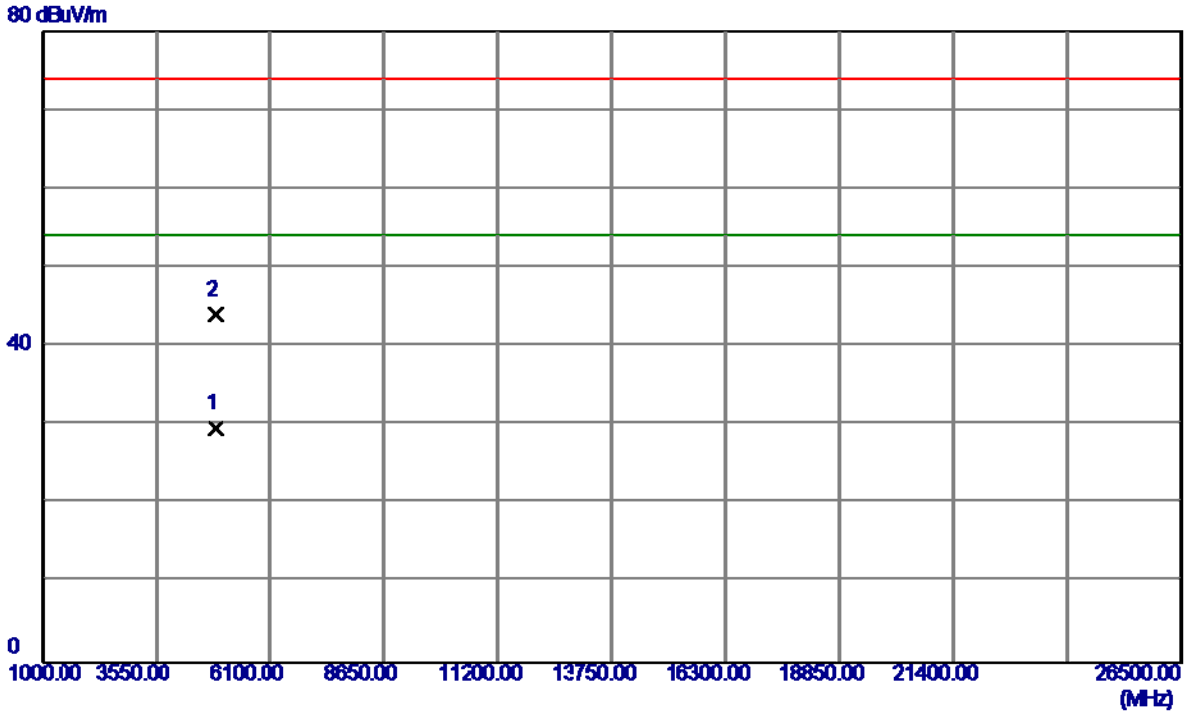
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2431.0000	68.23	34.47	102.70	74.00	28.70	Peak	No Limit
2	2431.4000	58.79	34.47	93.26	54.00	39.26	AVG	No Limit

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

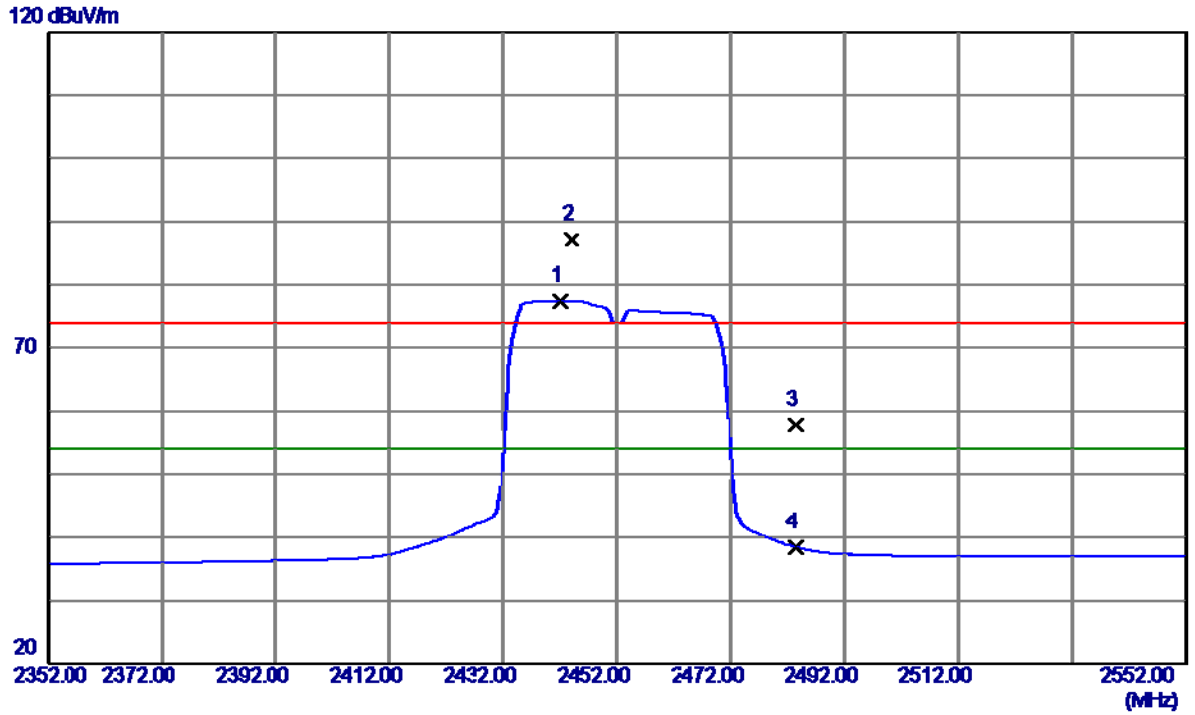
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.4500	22.57	6.97	29.54	54.00	-24.46	AVG	
2	4873.4900	36.98	6.97	43.95	74.00	-30.05	Peak	

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

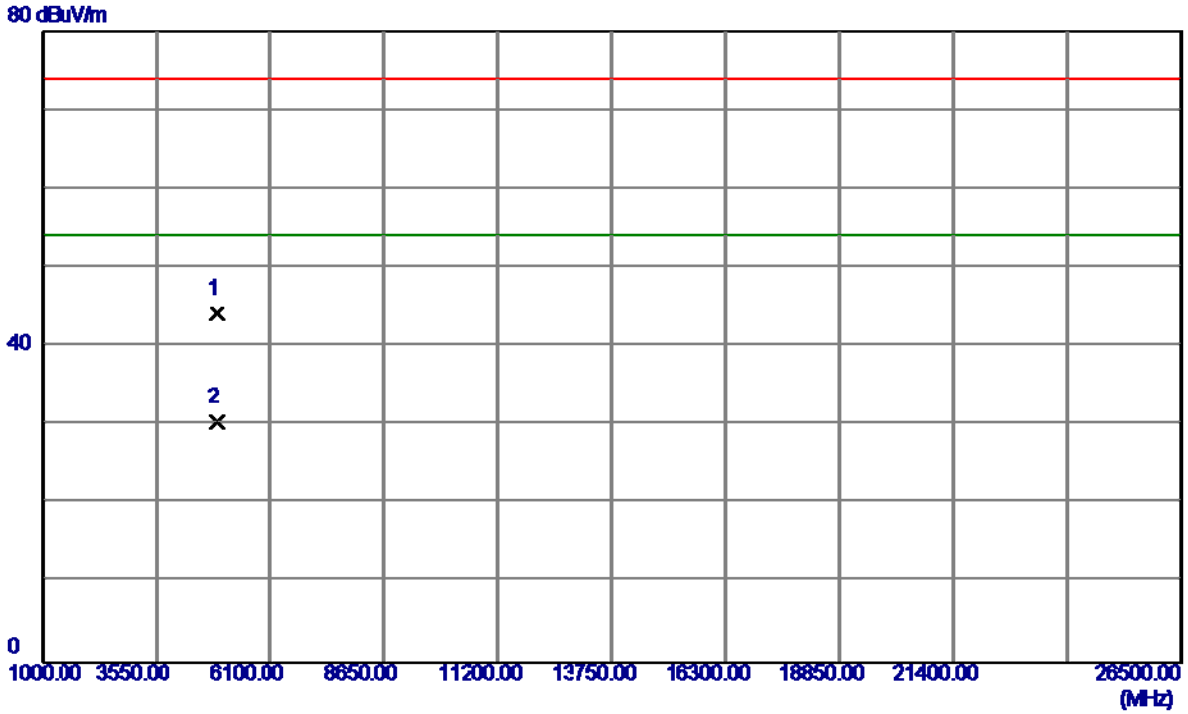
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2442.0000	42.93	34.53	77.46	54.00	23.46	AVG	No Limit
2	2444.0000	52.56	34.55	87.11	74.00	13.11	Peak	No Limit
3	2483.5000	23.00	34.77	57.77	74.00	-16.23	Peak	
4	2483.5000	3.65	34.77	38.42	54.00	-15.58	AVG	

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

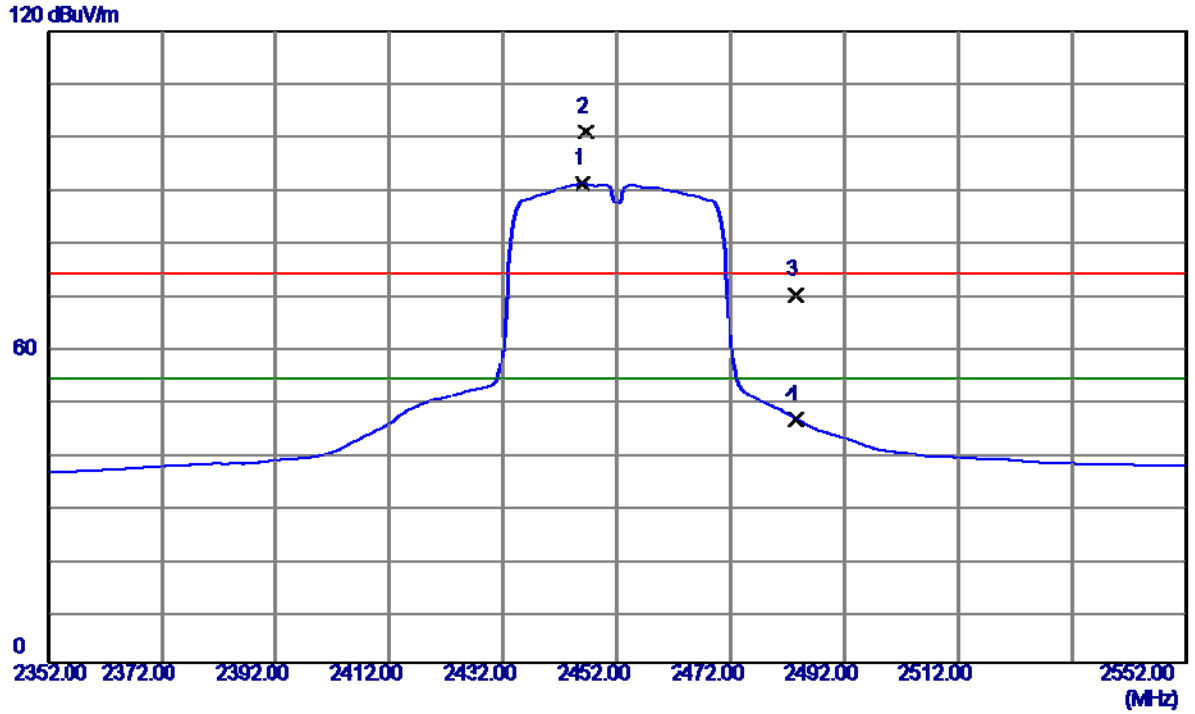
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4905.2100	37.11	7.06	44.17	74.00	-29.83	Peak	
2	4905.2599	23.28	7.06	30.34	54.00	-23.66	AVG	

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

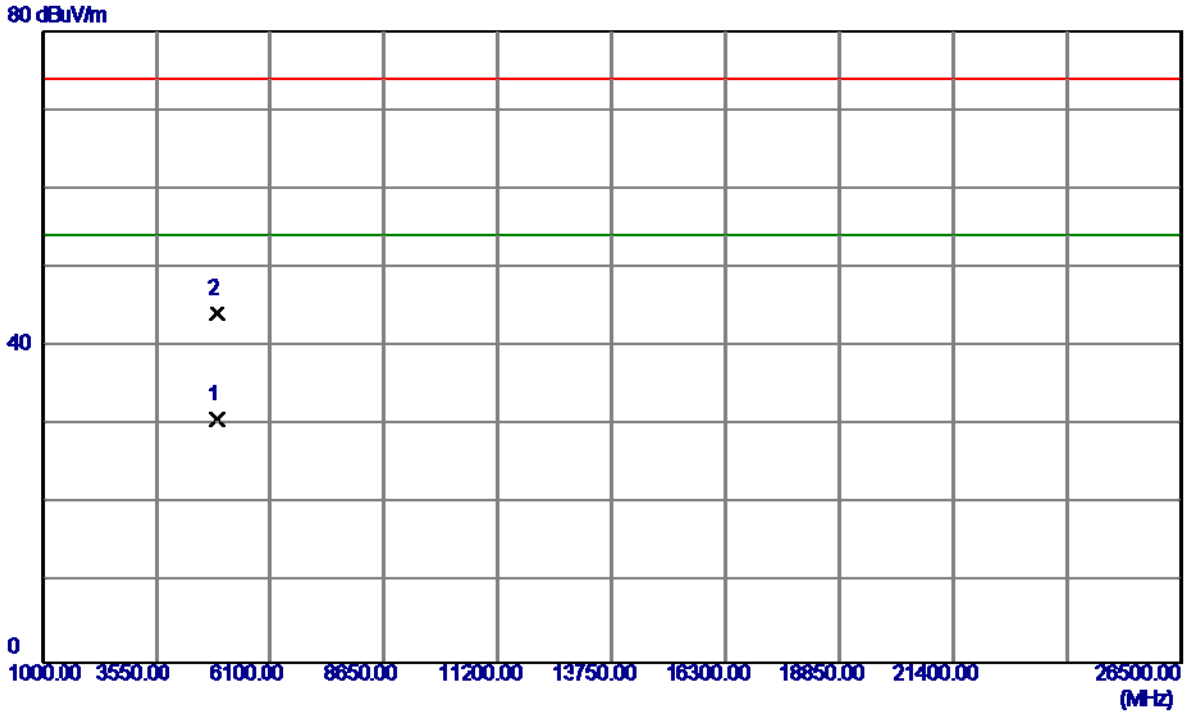
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2446.0000	56.37	34.56	90.93	54.00	36.93	AVG	No Limit
2	2446.6000	66.22	34.56	100.78	74.00	26.78	Peak	No Limit
3	2483.5000	35.09	34.77	69.86	74.00	-4.14	Peak	
4	2483.5000	11.41	34.77	46.18	54.00	-7.82	AVG	

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

Horizontal



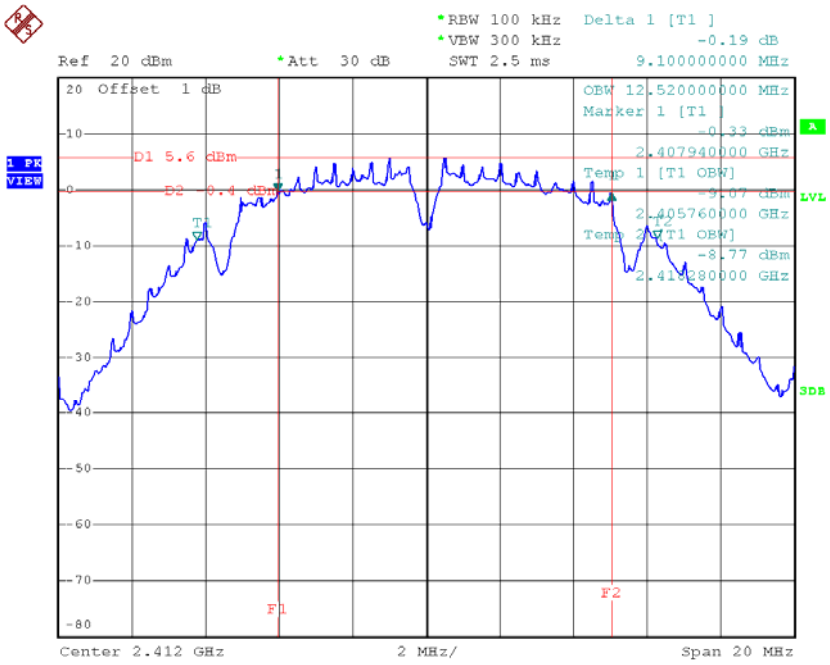
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4904.3400	23.60	7.06	30.66	54.00	-23.34	AVG	
2	4905.3600	37.11	7.06	44.17	74.00	-29.83	Peak	

ATTACHMENT E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

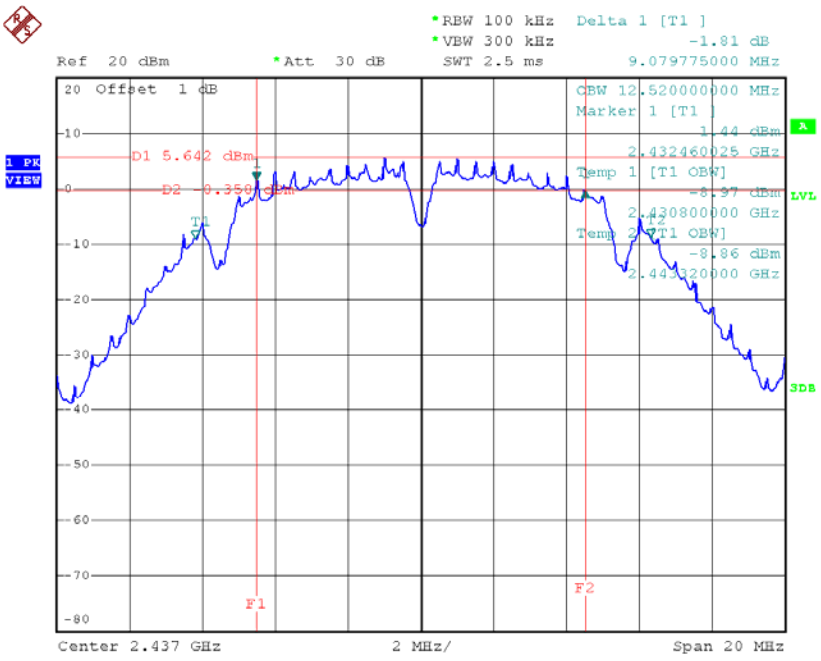
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.10	12.52	500	Complies
2437	9.08	12.52	500	Complies
2462	9.15	12.52	500	Complies

TX CH01



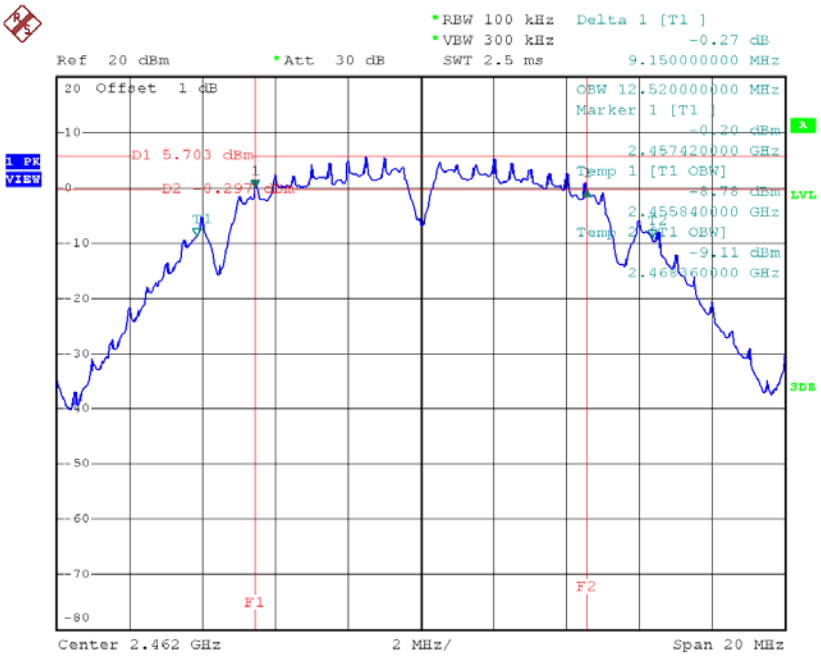
Date: 14.DEC.2015 16:03:17

TX CH06



Date: 14.DEC.2015 16:05:05

TX CH11

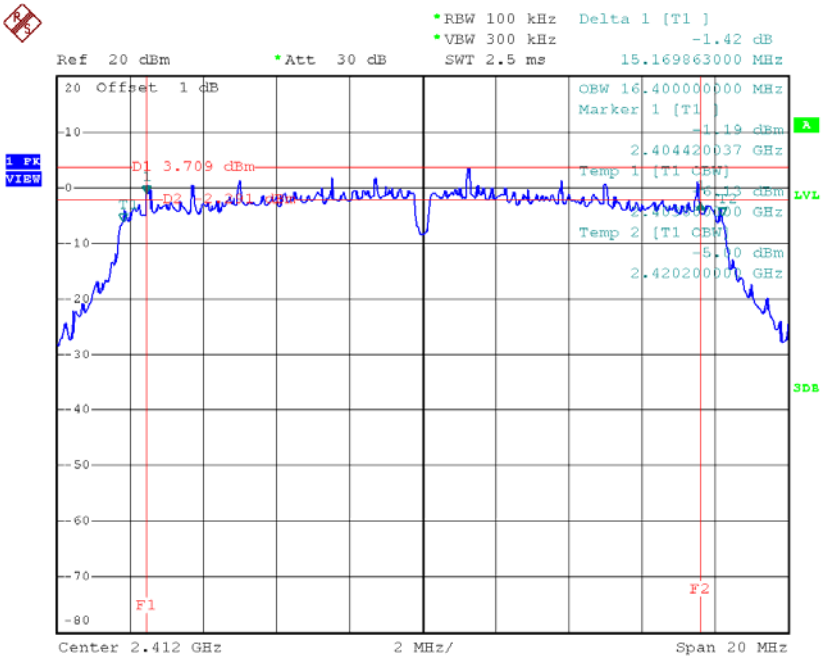


Date: 14.DEC.2015 16:06:51

Test Mode: TX G Mode_CH01/06/11

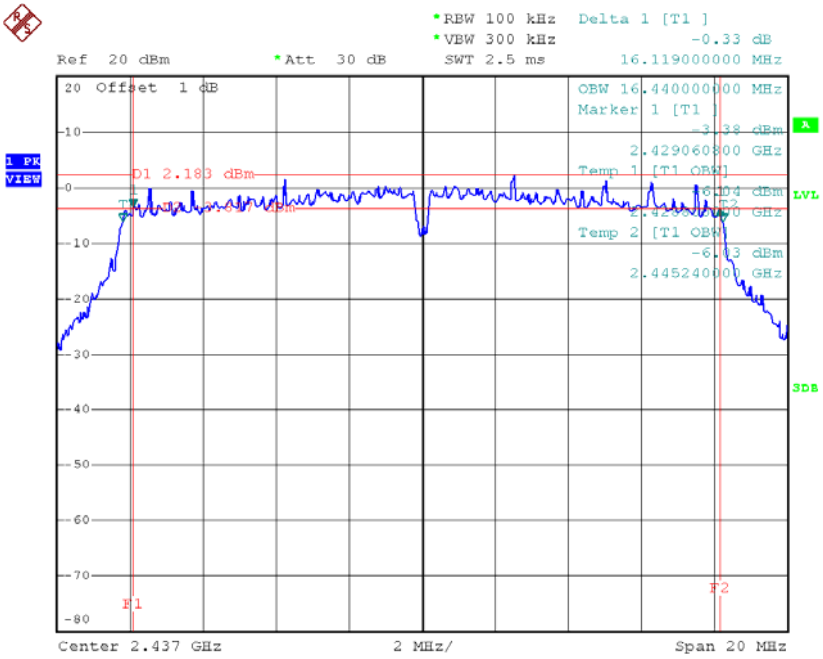
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.17	16.40	500	Complies
2437	16.12	16.44	500	Complies
2462	14.80	16.40	500	Complies

TX CH01



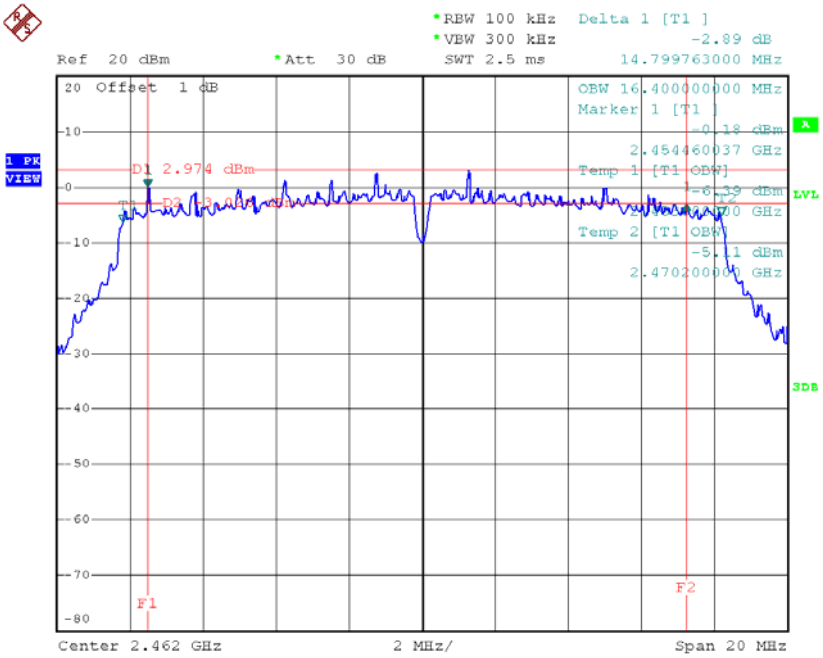
Date: 14.DEC.2015 16:08:21

TX CH06



Date: 14.DEC.2015 16:09:32

TX CH11

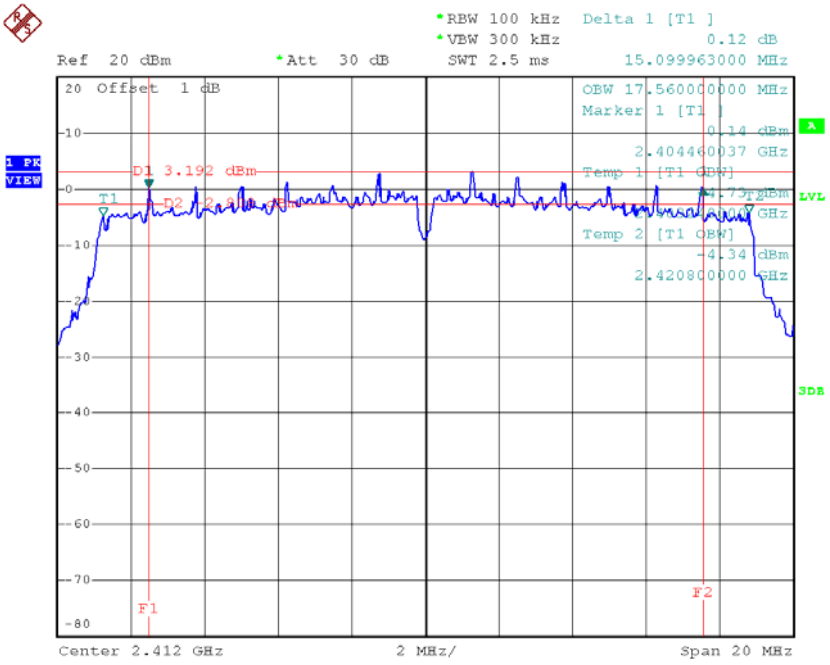


Date: 14.DEC.2015 16:10:38

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

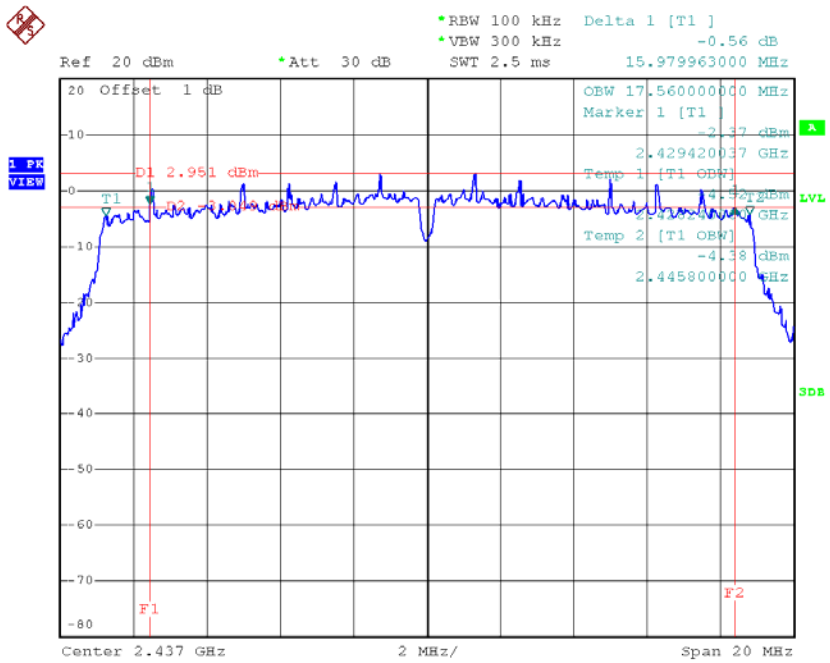
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.10	17.56	500	Complies
2437	15.98	17.56	500	Complies
2462	15.39	17.56	500	Complies

TX CH01



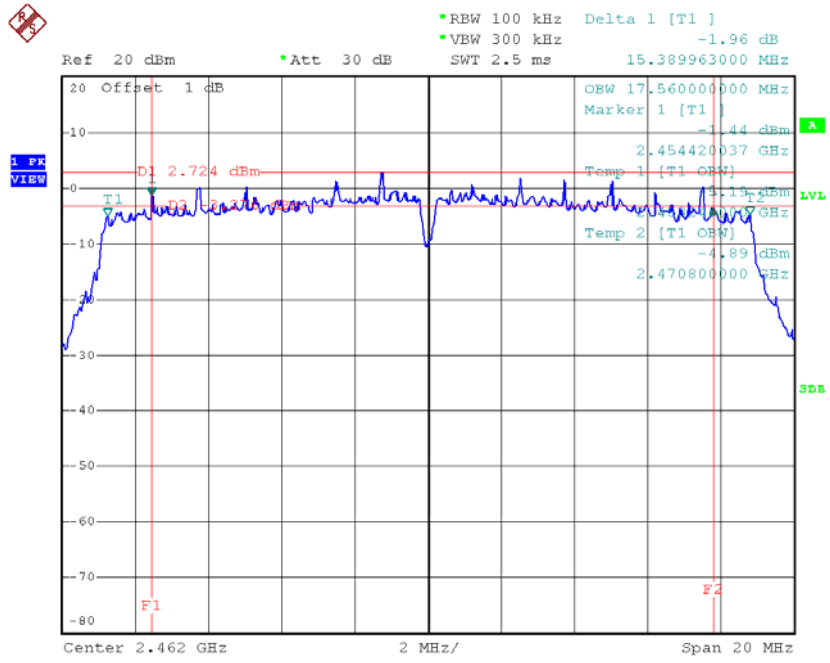
Date: 14.DEC.2015 16:12:15

TX CH06



Date: 14.DEC.2015 16:13:52

TX CH11

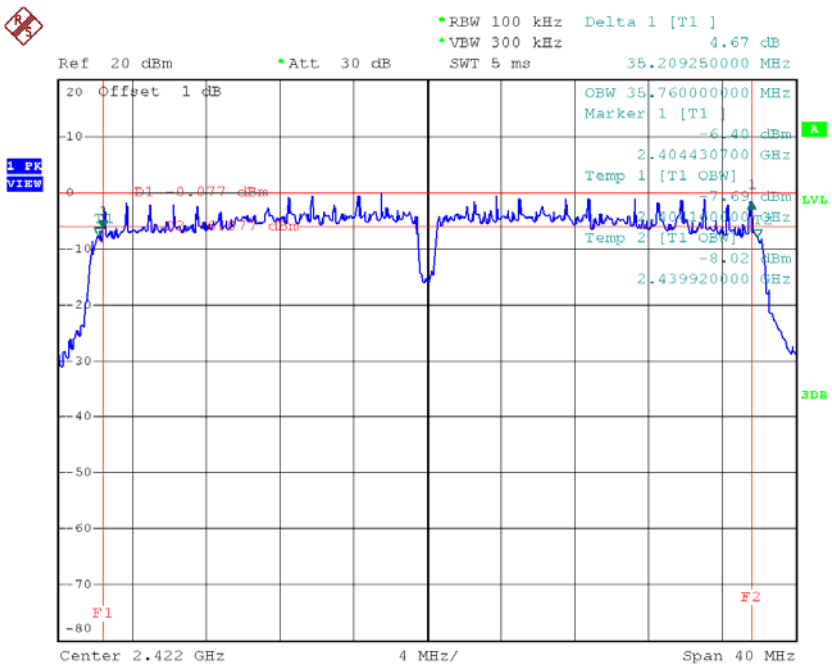


Date: 14.DEC.2015 16:15:11

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

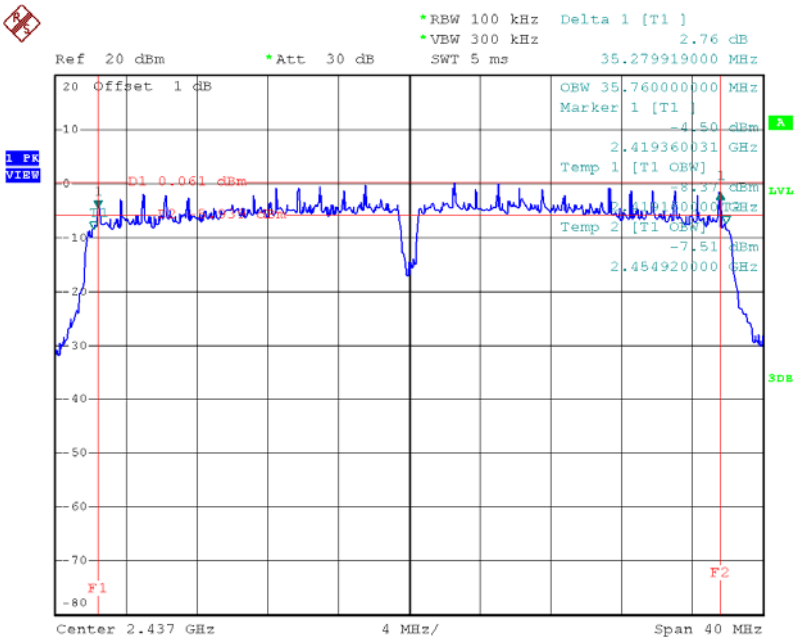
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.21	35.76	500	Complies
2437	35.28	35.76	500	Complies
2452	35.24	35.76	500	Complies

TX CH03



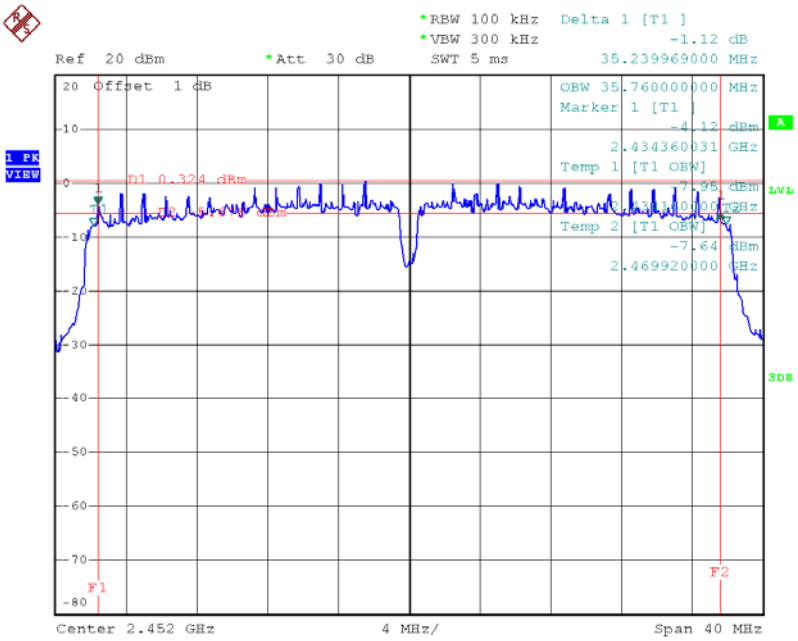
Date: 14.DEC.2015 16:16:49

TX CH06



Date: 14.DEC.2015 16:20:49

TX CH09



Date: 14.DEC.2015 16:22:43

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	18.72	0.07	30.00	1.00	Complies
2437	18.48	0.07	30.00	1.00	Complies
2462	18.15	0.07	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	22.74	0.19	30.00	1.00	Complies
2437	22.76	0.19	30.00	1.00	Complies
2462	22.67	0.18	30.00	1.00	Complies

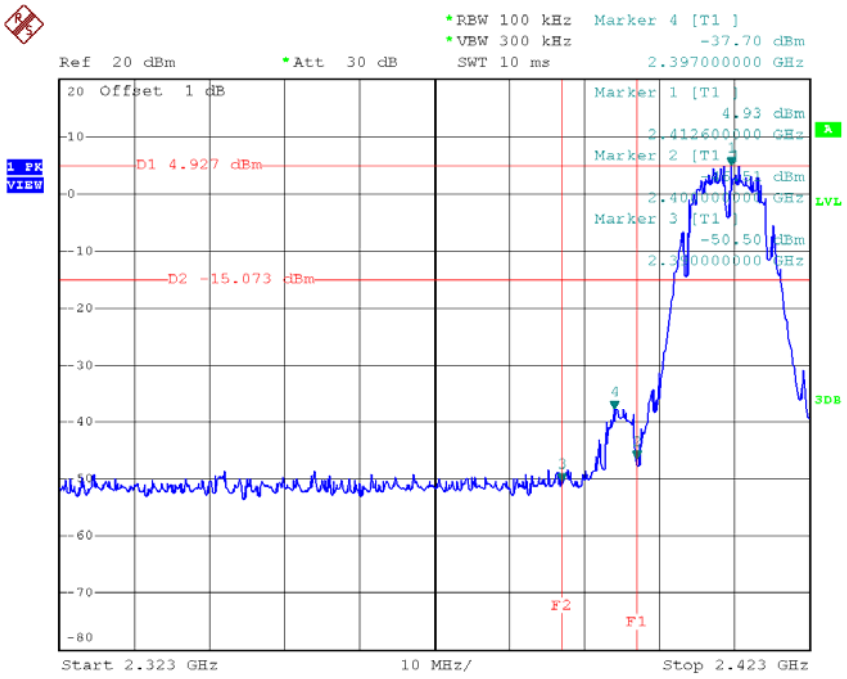
Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.56	0.18	30.00	1.00	Complies
2437	22.87	0.19	30.00	1.00	Complies
2462	22.82	0.19	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	22.73	0.19	30.00	1.00	Complies
2437	22.56	0.18	30.00	1.00	Complies
2452	23.07	0.20	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

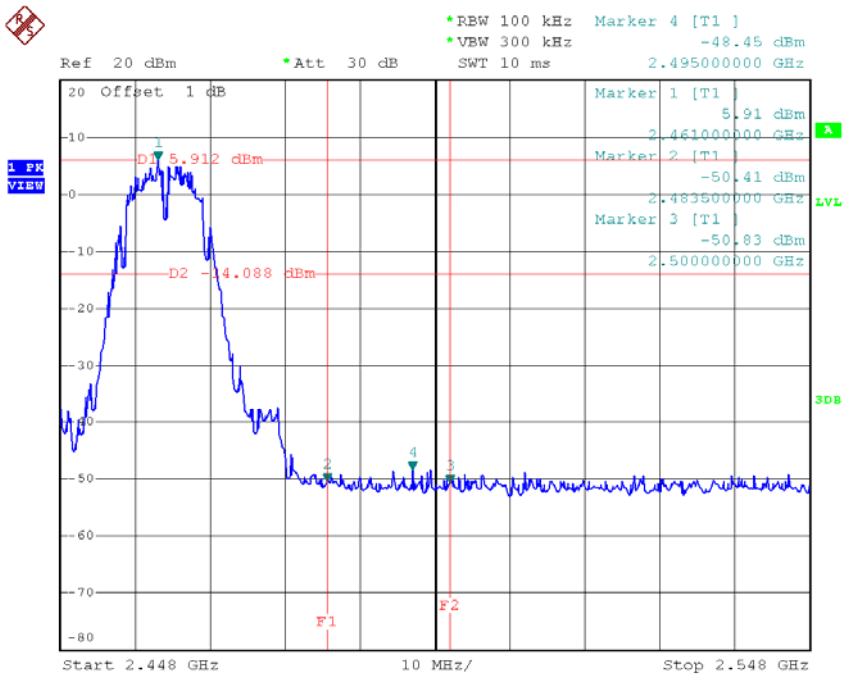
Test Mode :	TX B Mode

TX B mode CH01



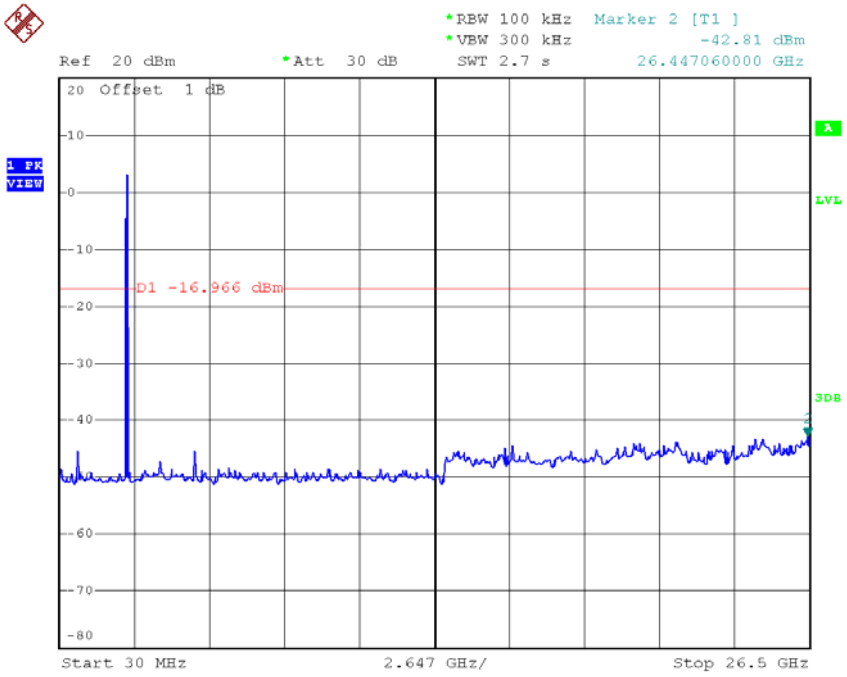
Date: 14.DEC.2015 16:03:39

TX B mode CH11



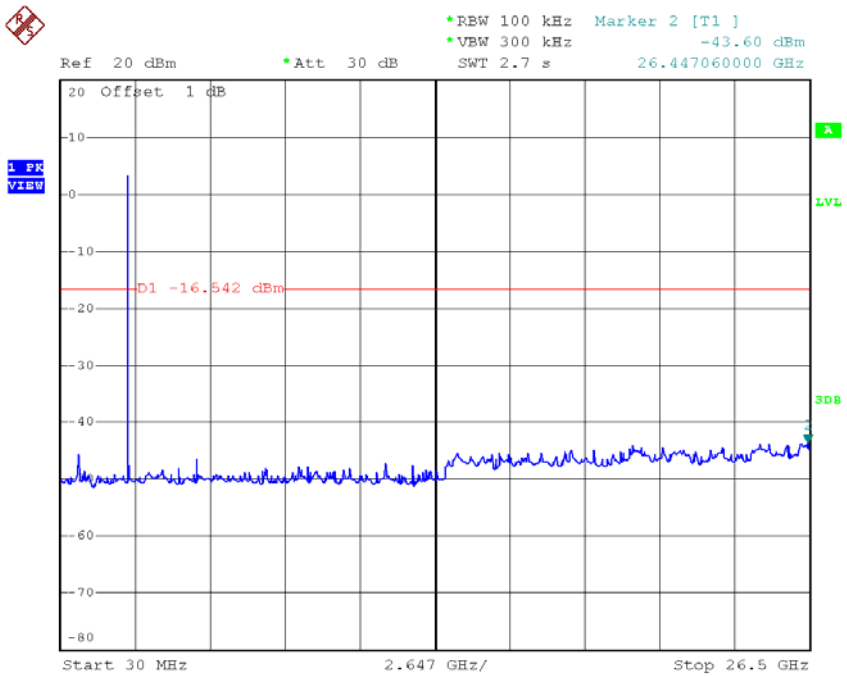
Date: 14.DEC.2015 16:07:12

TX B mode CH01 (10 Harmonic of the frequency)



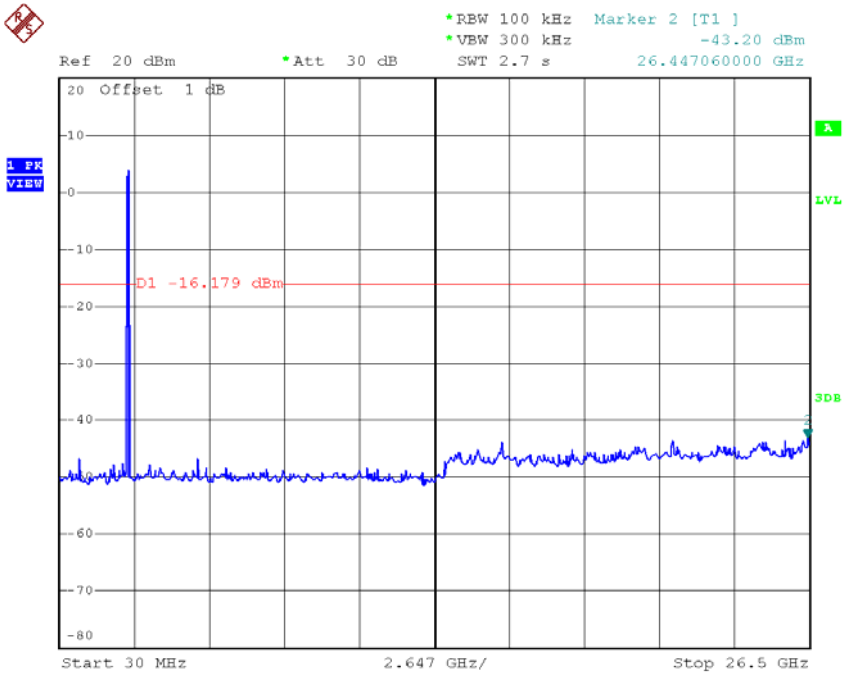
Date: 14.DEC.2015 16:03:32

TX B mode CH06 (10 Harmonic of the frequency)



Date: 14.DEC.2015 16:05:20

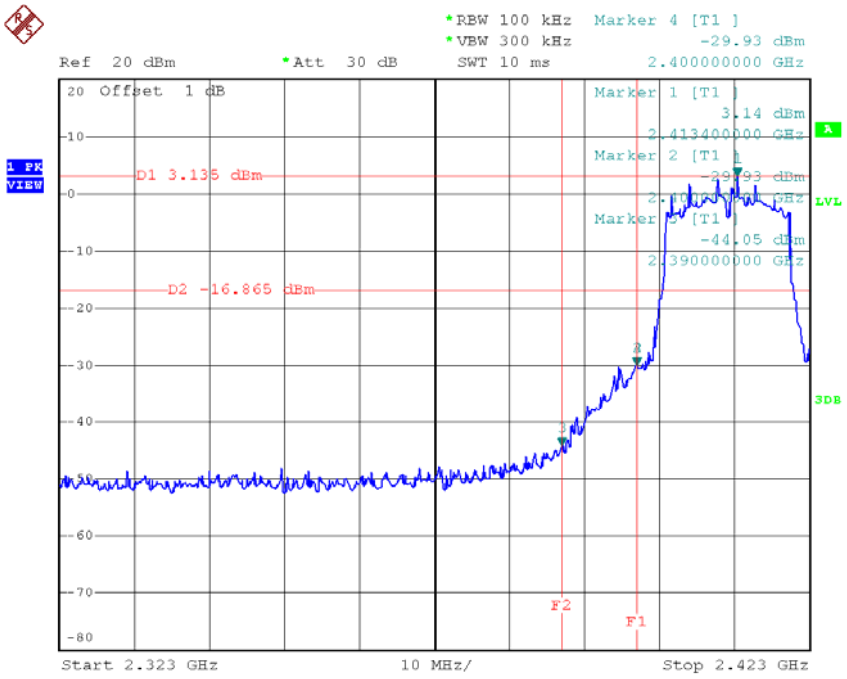
TX B mode CH11 (10 Harmonic of the frequency)



Date: 14.DEC.2015 16:07:05

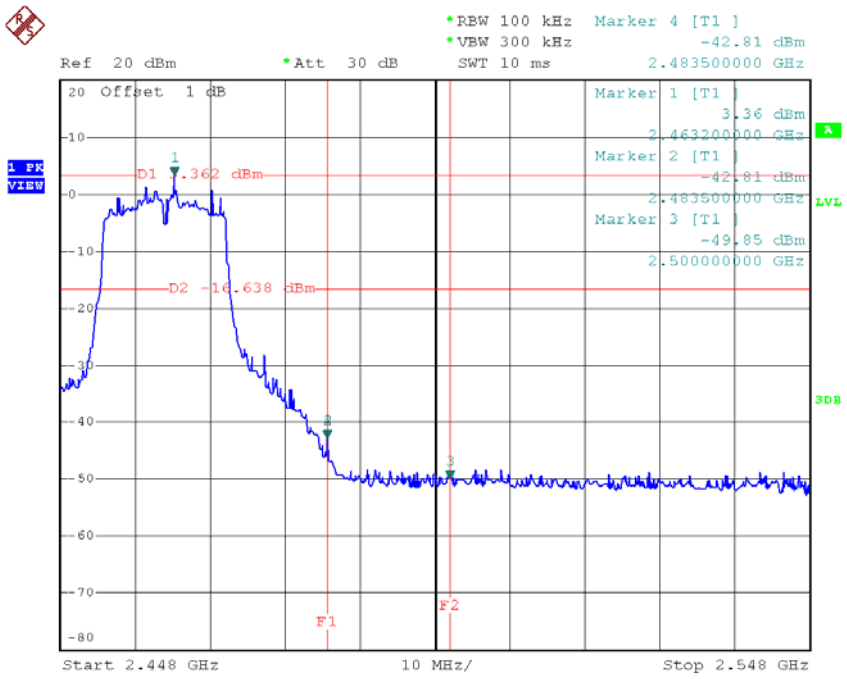
Test Mode :	TX G Mode

TX G mode CH01



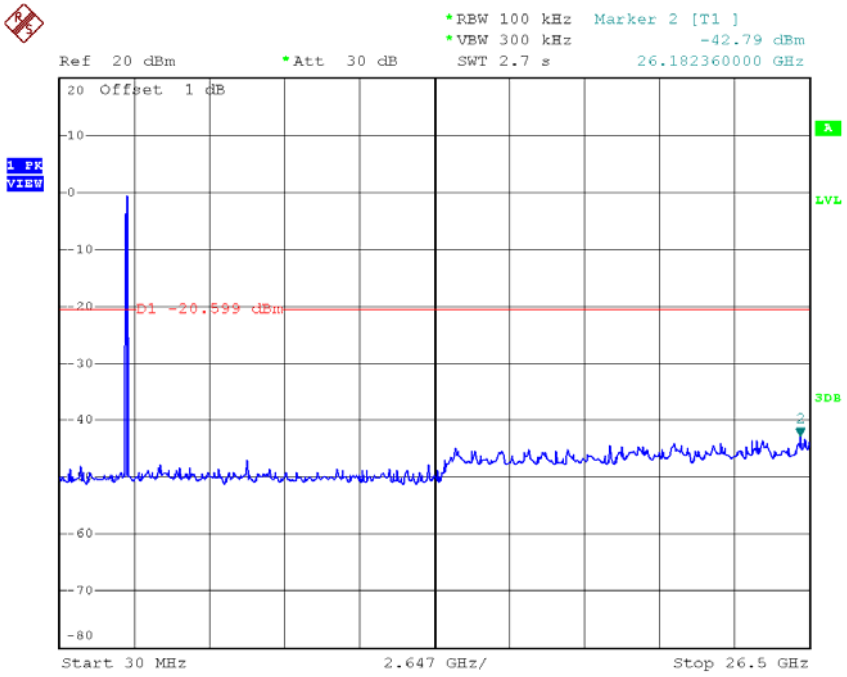
Date: 14.DEC.2015 16:08:42

TX G mode CH11



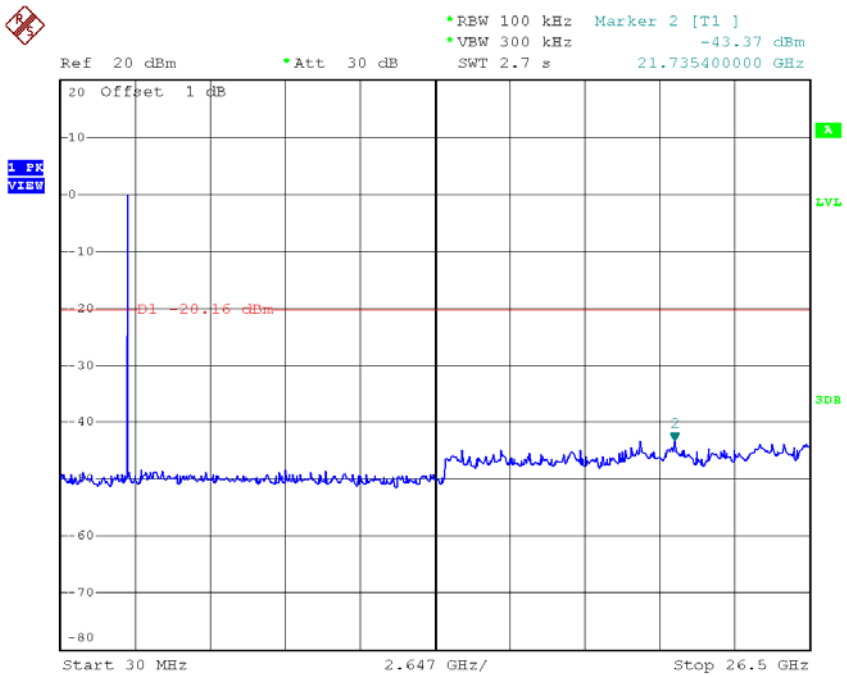
Date: 14.DEC.2015 16:10:59

TX G mode CH01 (10 Harmonic of the frequency)



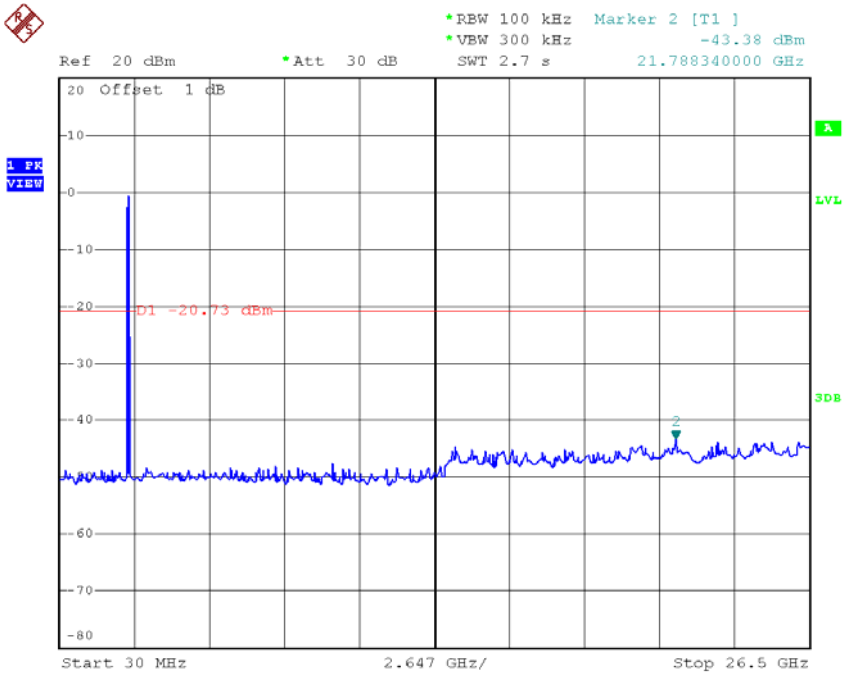
Date: 14.DEC.2015 16:08:35

TX G mode CH06 (10 Harmonic of the frequency)



Date: 14.DEC.2015 16:09:45

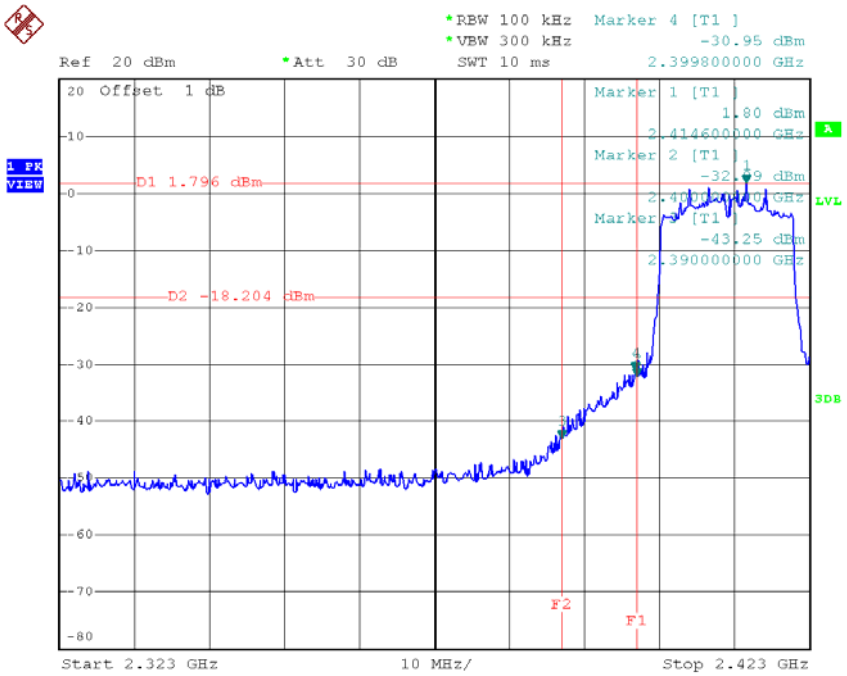
TX G mode CH11 (10 Harmonic of the frequency)



Date: 14.DEC.2015 16:10:52

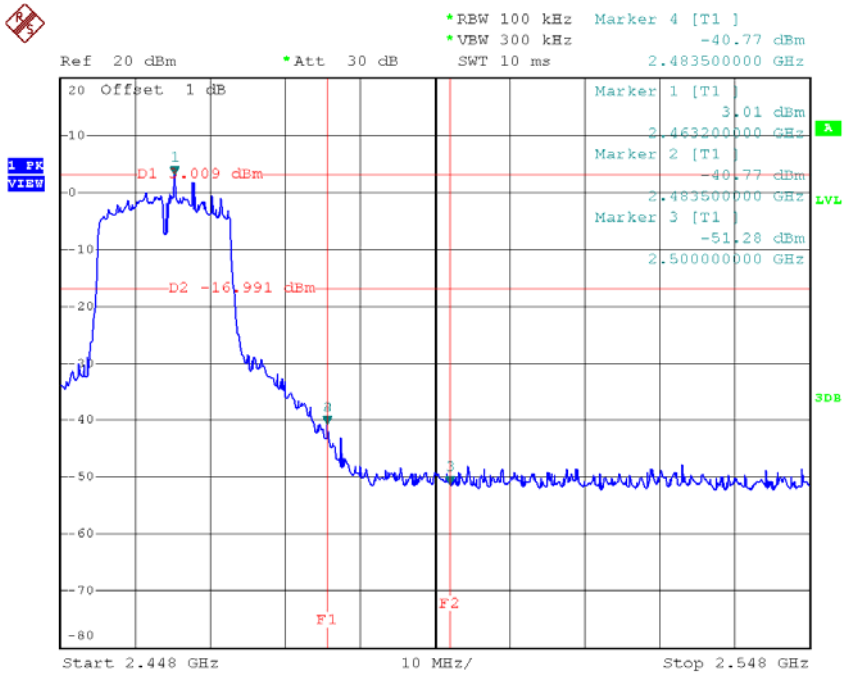
Test Mode :	TX N-20M Mode

TX HT20 mode CH01



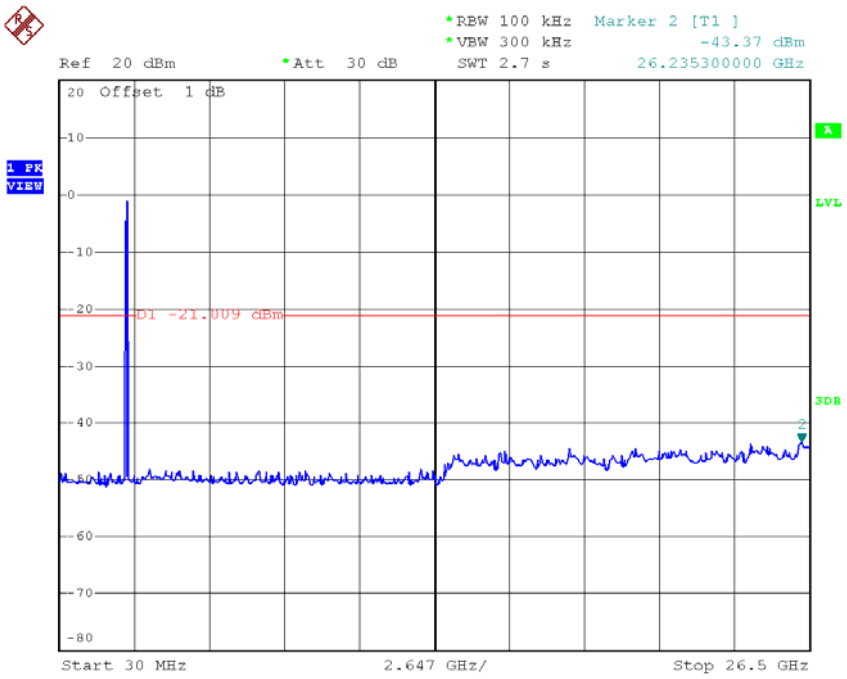
Date: 14.DEC.2015 16:12:37

TX HT20 mode CH11



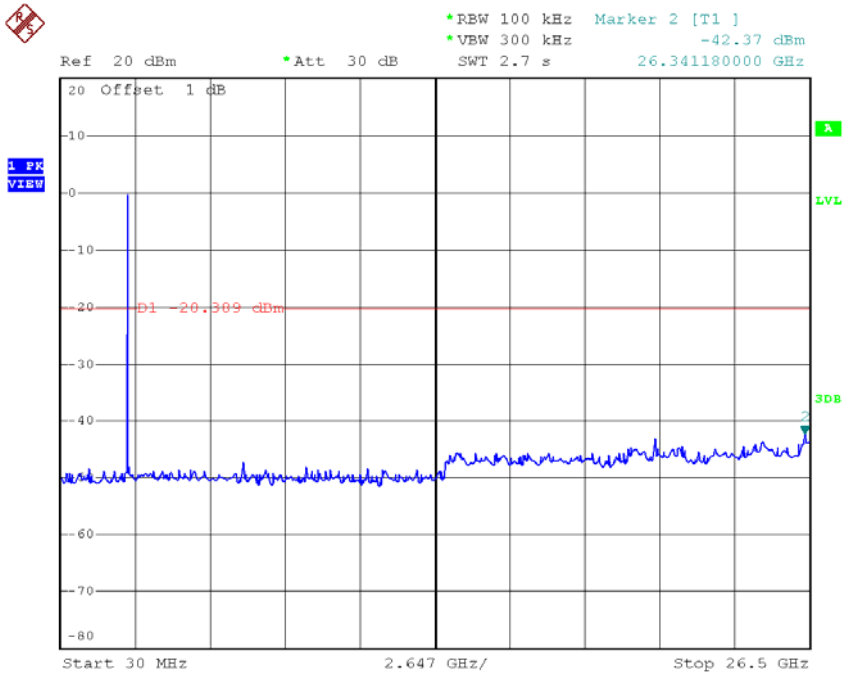
Date: 14.DEC.2015 16:15:33

TX HT20 mode CH01 (10 Harmonic of the frequency)



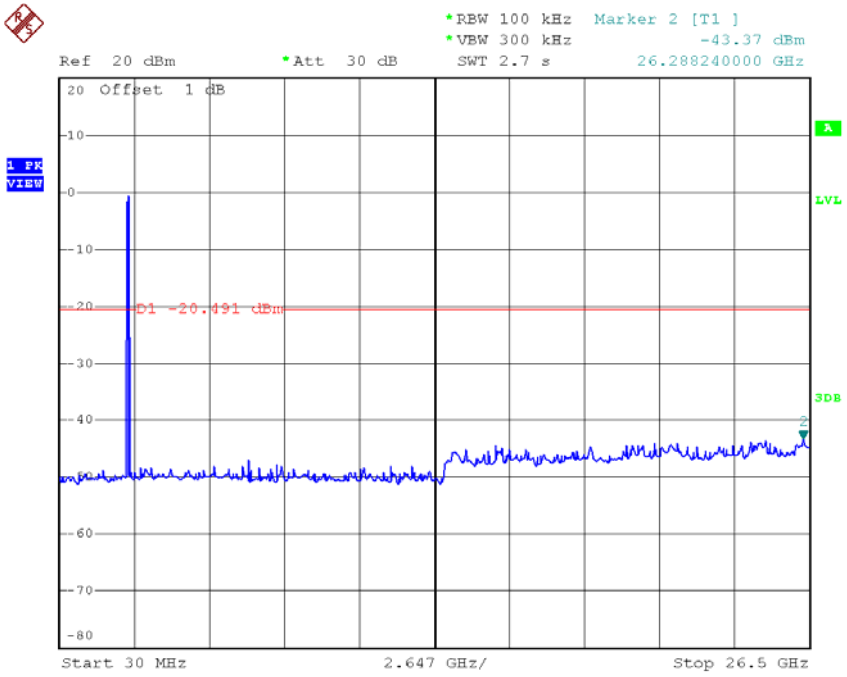
Date: 14.DEC.2015 16:12:29

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 14.DEC.2015 16:14:07

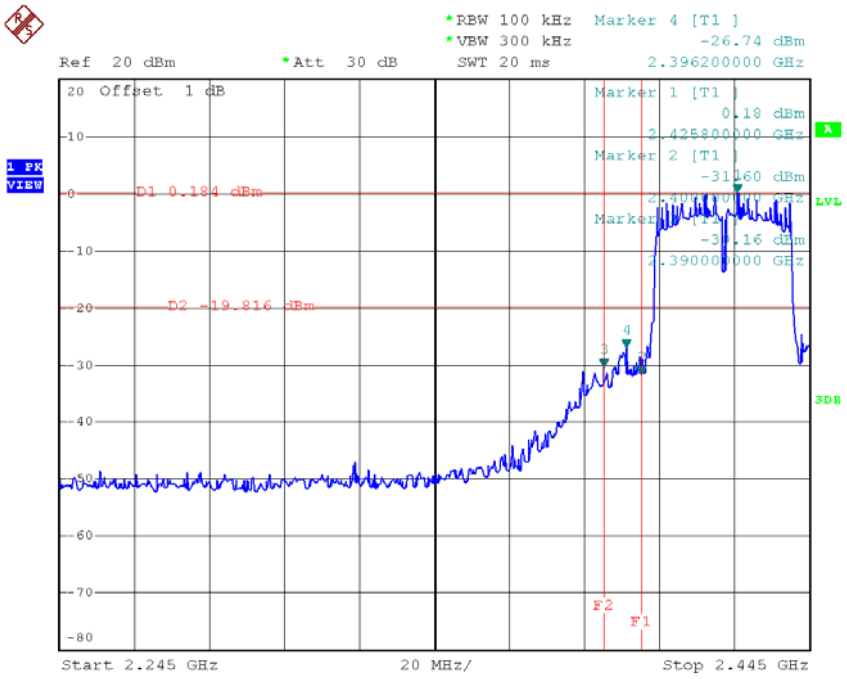
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 14.DEC.2015 16:15:25

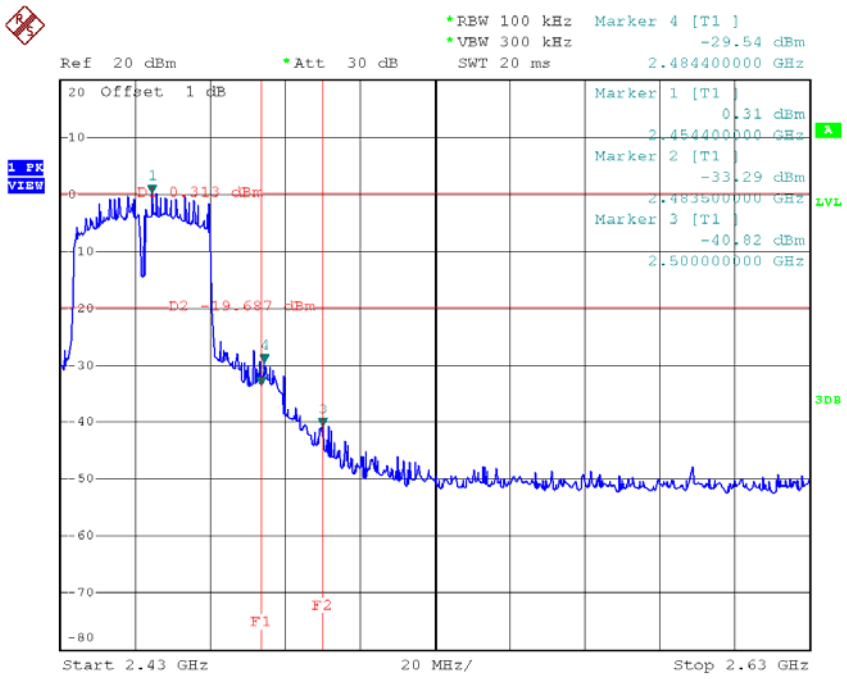
Test Mode :	TX N-40M Mode

TX HT40 mode CH03



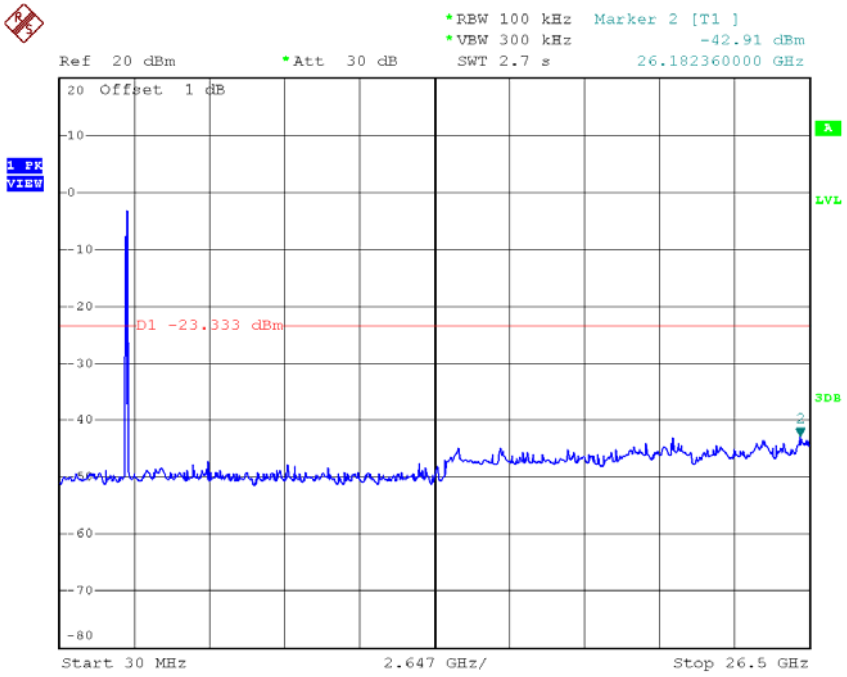
Date: 14.DEC.2015 16:17:10

TX HT40 mode CH09



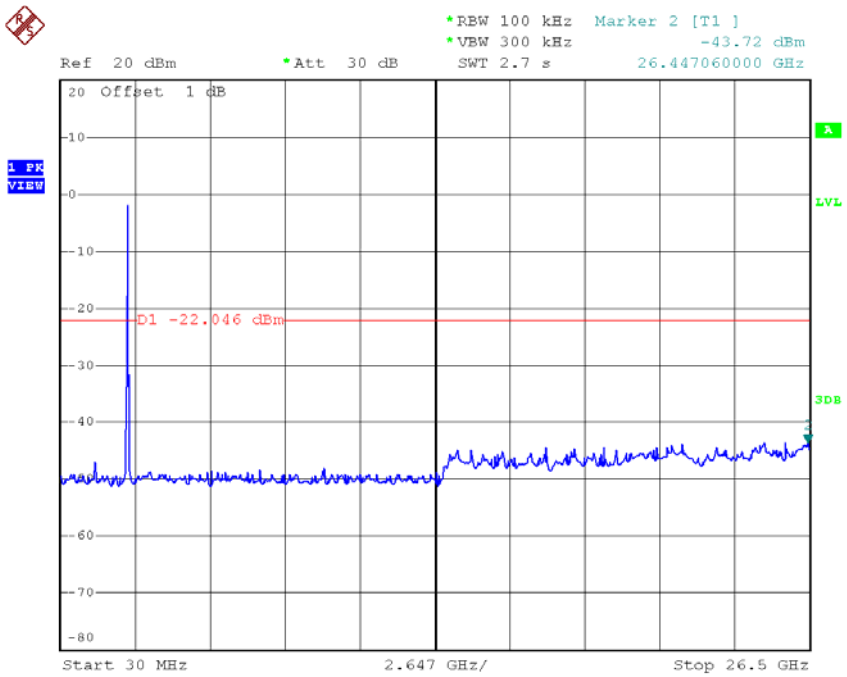
Date: 14.DEC.2015 16:23:04

TX HT40 mode CH03 (10 Harmonic of the frequency)



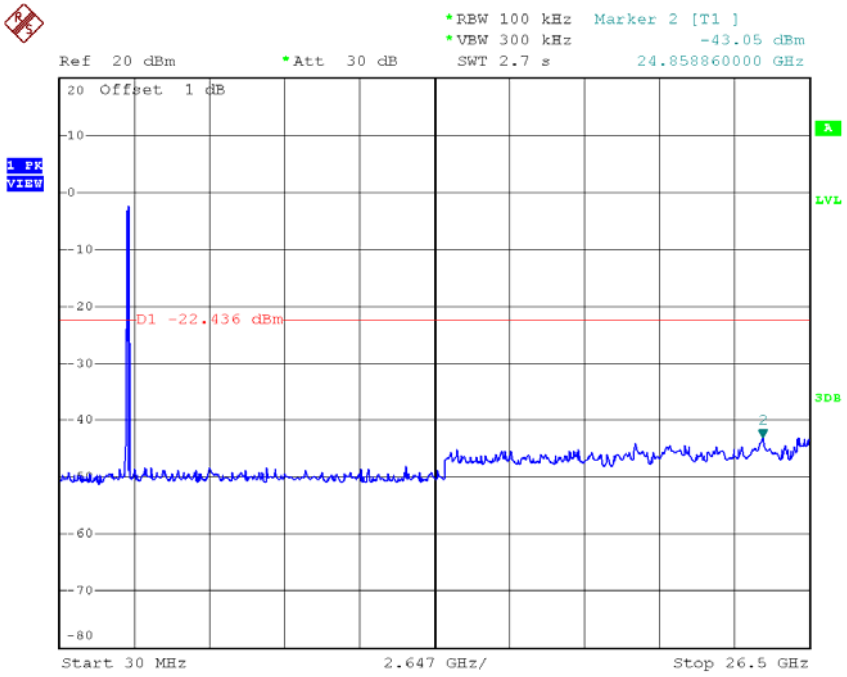
Date: 14.DEC.2015 16:17:03

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 14.DEC.2015 16:21:03

TX HT40 mode CH09 (10 Harmonic of the frequency)

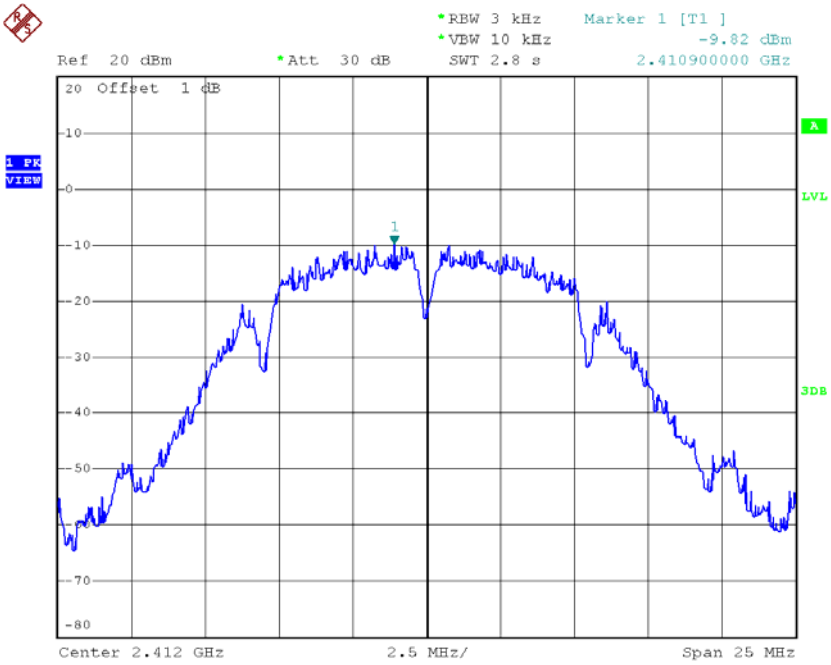


Date: 14.DEC.2015 16:22:57

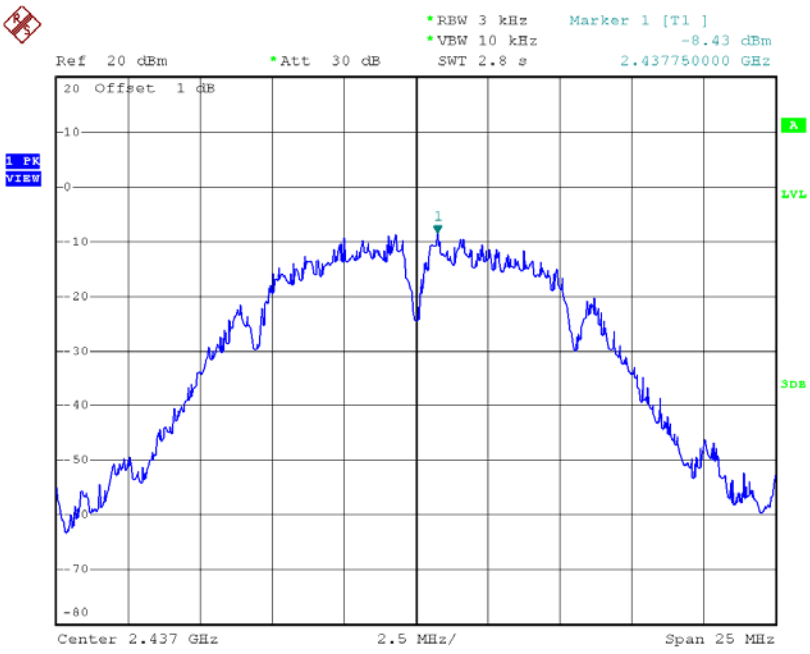
ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode_CH01/06/11				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.82	0.10	8.00	Complies
2437	-8.43	0.14	8.00	Complies
2462	-9.11	0.12	8.00	Complies

TX CH01

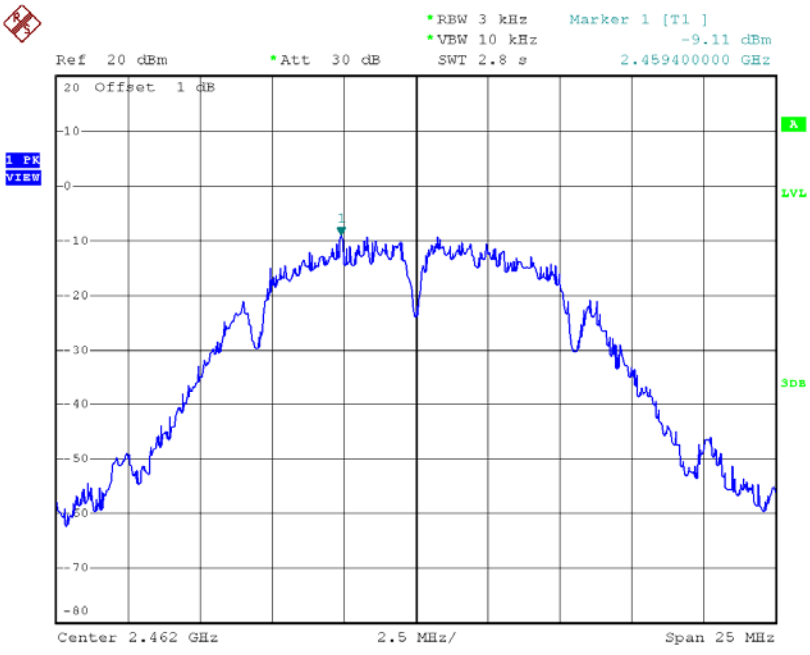


TX CH06



Date: 14.DEC.2015 16:05:29

TX CH11

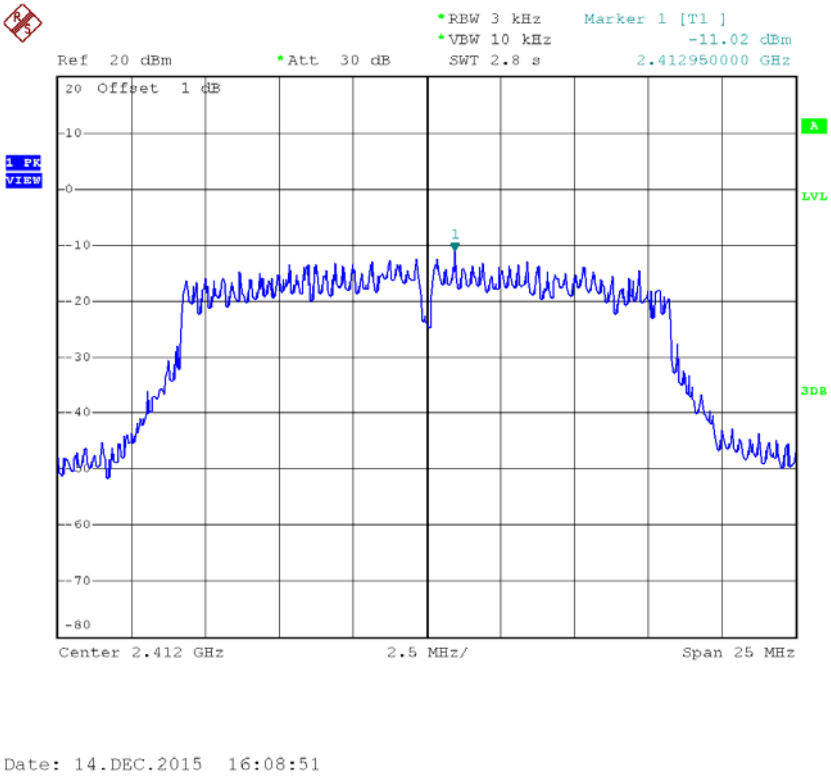


Date: 14.DEC.2015 16:07:22

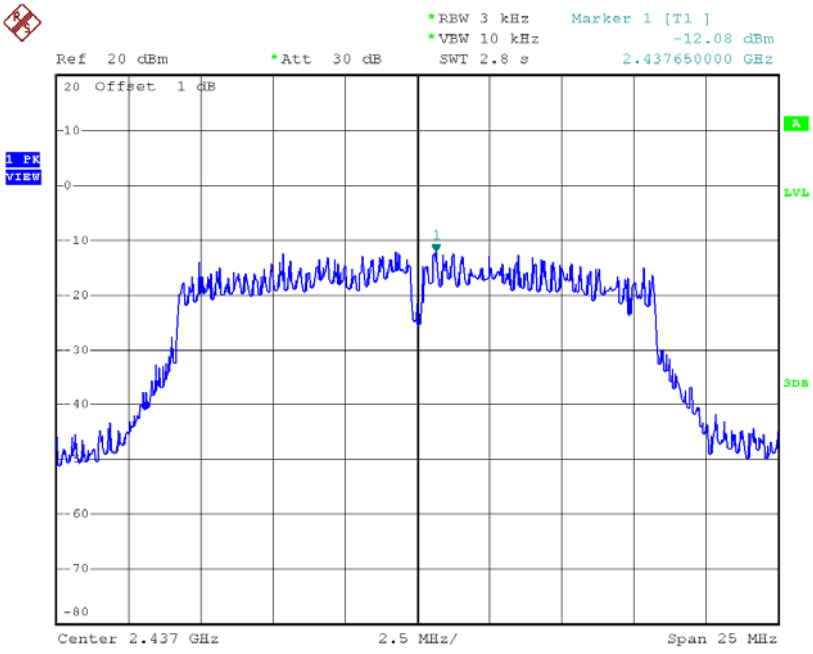
Test Mode :TX G Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.02	0.08	8.00	Complies
2437	-12.08	0.06	8.00	Complies
2462	-11.88	0.06	8.00	Complies

TX CH01

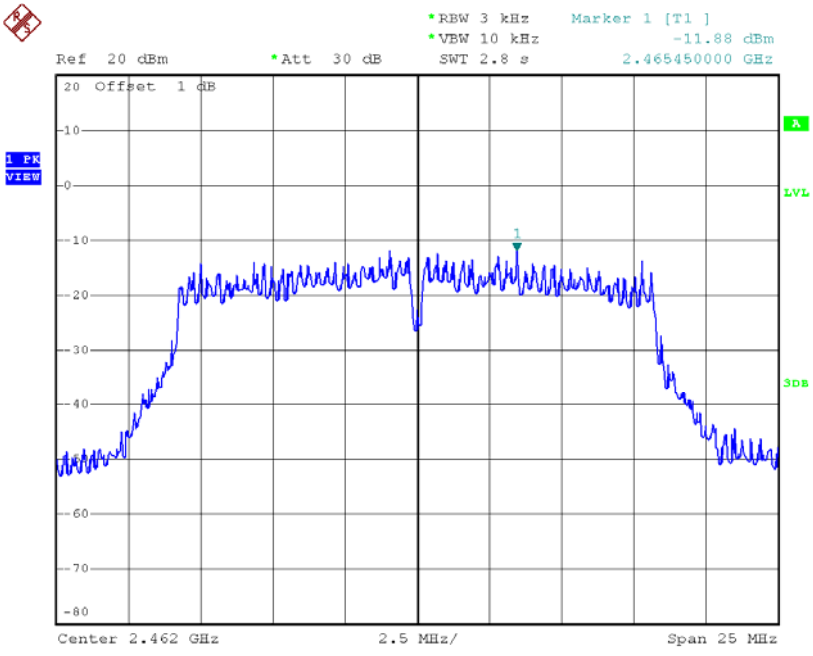


TX CH06



Date: 14.DEC.2015 16:09:54

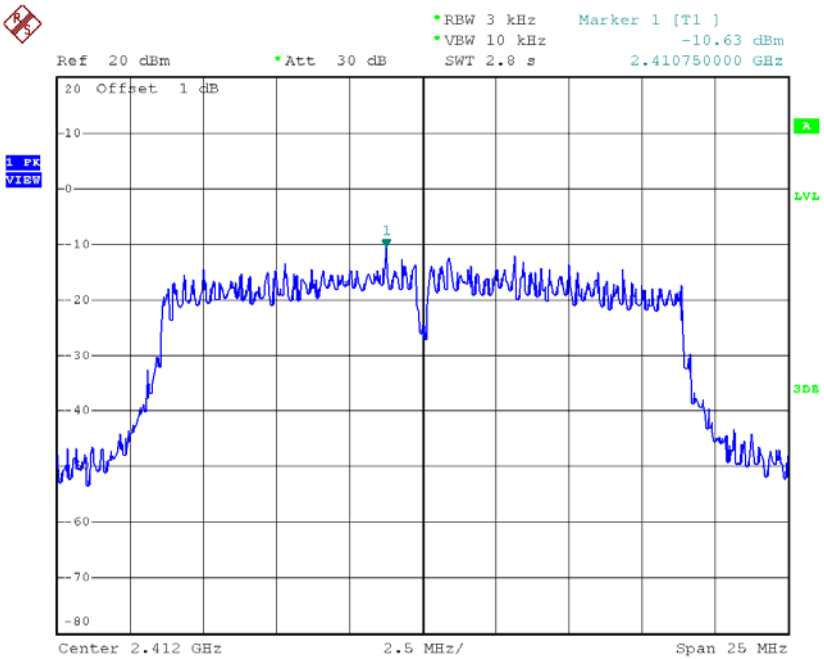
TX CH11



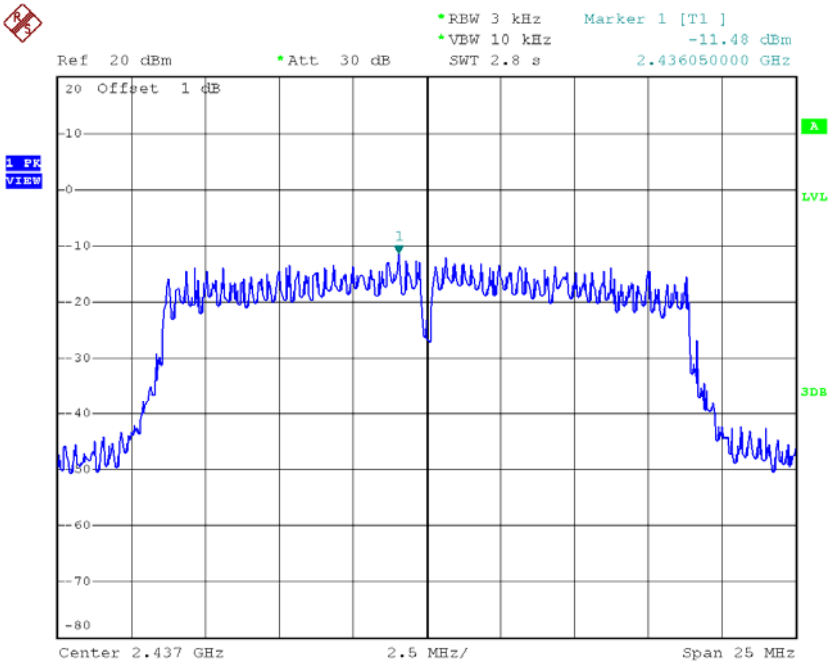
Date: 14.DEC.2015 16:11:08

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	-10.63	0.09	8.00	Complies
2437	-11.48	0.07	8.00	Complies
2462	-12.12	0.06	8.00	Complies

TX CH01

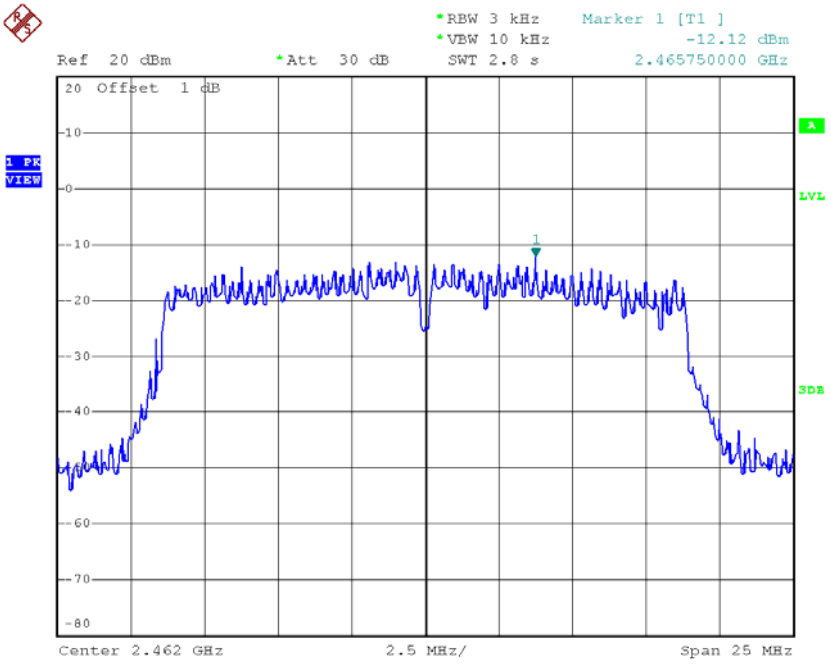


TX CH06



Date: 14.DEC.2015 16:14:16

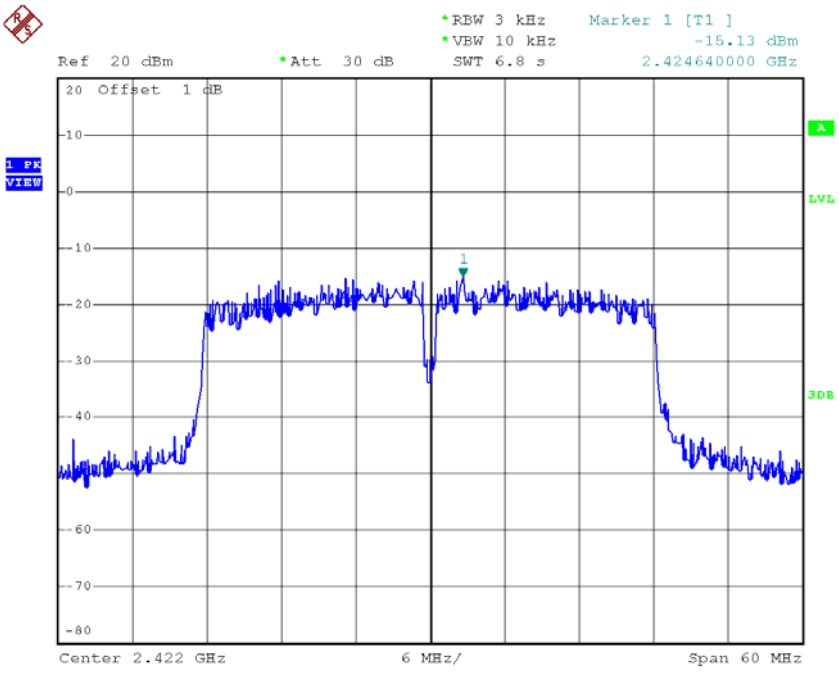
TX CH11



Date: 14.DEC.2015 16:15:42

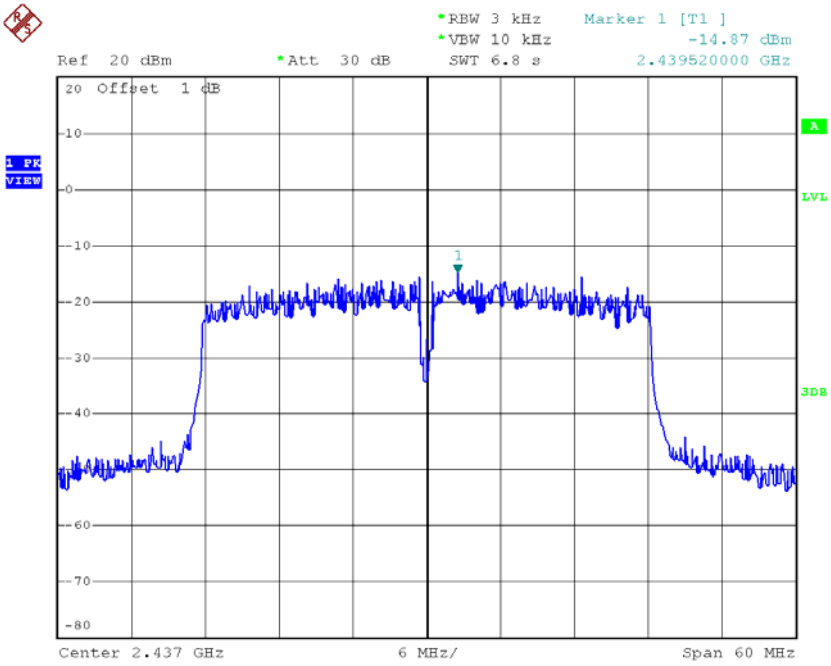
Test Mode : TX N-40M Mode_CH03/06/09				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-15.13	0.03	8.00	Complies
2437	-14.87	0.03	8.00	Complies
2452	-14.95	0.03	8.00	Complies

TX CH03



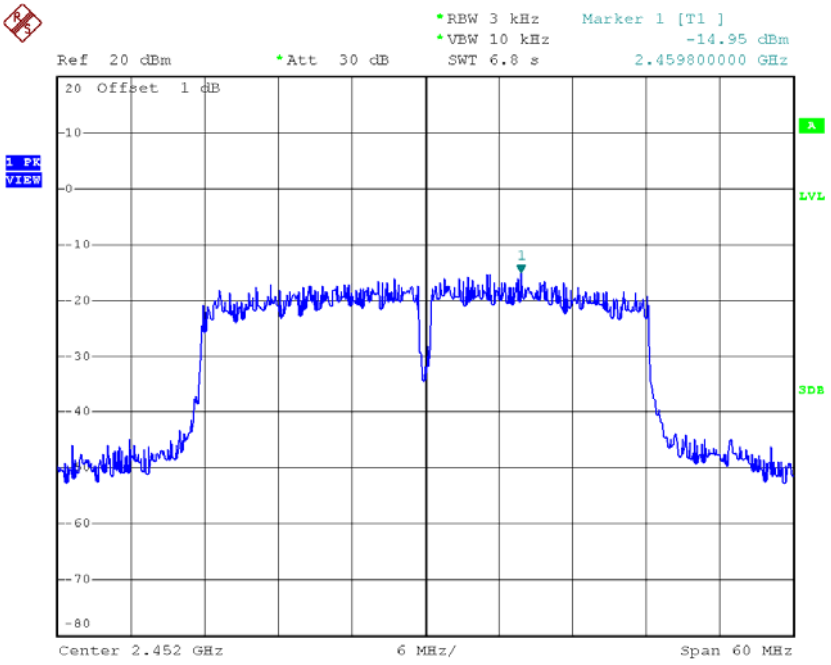
Date: 14.DEC.2015 16:17:22

TX CH06



Date: 14.DEC.2015 16:21:15

TX CH09



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