FCC&IC Radio Test Report

FCC ID: O57TB3710F

IC: 10407A-TB3710F

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

Project No.	:	1509C320
Equipment	:	Portable Tablet Computer
Model Name	:	Lenovo TB3-710F
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	:	Sep. 29, 2015
Date of Test	:	Sep. 29, 2015 ~ Oct. 09, 2015
Issued Date	:	Oct. 12, 2015
Tested by	:	BTL Inc.

Testing Engineer : Shawn xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

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.**

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

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FICP-3-1509C320	Original Issue.	Oct. 12, 2015

1. CERTIFICATION

Equipment	:	Portable Tablet Computer
Brand Name	:	Lenovo
Model Name	:	Lenovo TB3-710F
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
Factory	:	1) DONGGUAN HUABEL ELECTRONIC TECHNOLOGY CO LTD 2) HUIZHOU BYD ELECTRONIC CO LTD
Address	:	1) 9 INDUSTRIAL NORTHERN RD NATIONAL HIGH TECH INDUSTRIAL DEVELOPMNET ZONE SONGSHAN LAKE DONGGUAN GUANGDONG CHINA 2) XIANGSHUI RIVER ECONOMIC DEVELOPMENT ZONE DAYA BAY HUIZHOU GUANGDONG CHINA
Date of Test	:	Sep. 29, 2015 ~ Oct. 09, 2015
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part15, Subpart C: 2014 (15.247) / ANSI C63.10-2013 Canada RSS-247 Issue 1, May 2015 RSS-GEN Issue 4, Nov 2014

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-FICP-3-1509C320) 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 results included in this report is only for the WIFI part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C: 2014 Canada RSS-247 Issue 1, May 2015, RSS-GEN Issue 4, Nov 2014				
Standard(s) Section		Test Item	Judgment	Remark
FCC	**IC**			
15.207	RSS-247 5.5	Conducted Emission	PASS	
15.247(d)	RSS-247 5.2 (1)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	RSS-247 5.4 (4)	6dB Bandwidth	PASS	
15.247(b)(3)	RSS-247 5.2 (2)	Peak Output Power	PASS	
15.247(e)	-	Power Spectral Density	PASS	
15.203	RSS-247 5.5	Antenna Requirement	PASS	
15.209/15.205	RSS-247 5.5	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
BTL's test firm number for IC: 4428B-1

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

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (3m)	CISPR	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 TB3-710F	
Model Difference	This model has three configurations: main supply, secondary supply and third 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: 19.54dBm 802.11g: 21.91dBm 802.11n(20MHz): 21.98dBm 802.11n(40MHz): 21.33dBm
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 or S/N	Description
Adapter(US)	Huntkey	C-P56/ HQ60310548000	I/P: 100-240V~ 50/60Hz, 0.15A O/P: 5.0V, 1.0A
	Acbel	C-P56/ HQ60311132000	I/P: 100-240V~ 50/60Hz, 0.13A O/P: 5.0V, 1.0A
Battery	lenovo	L13D1P31	3.8VDC, 3550mAh
	lenovo	CA3087A0HV	3.8VDC, 3450mAh
USB Cable	LIQI	L16B-05100070L/ HQ60320546000	70cm shielded cable w/o core

3.

Main Supply				
Part Name	S/N	Mode Name	Description	Supplier
Baseband chip	HQ11100368000	MT8127A/D	WIFI	MediaTek
PMIC	HQ11100356000	MT6323LGA	-	MediaTek
WIFI chip	HQ11110038000	MT6627N	WIFI-BT-FM-GPS four-in-one chip	MediaTek
Memory-EMMC	HQ11120292000	KLMAG2WEPD-B031	EMMC(TLC)_16GB	Samsung
Memory-EMMC	HQ11120291000	KLM8G1WEPD-B031	EMMC(MLC)_8GB	Samsung
Memory-DDR3	HQ11120264000	H9CKNNN8GTMPLR-NUH	LPDDR3_8Gb	Hynix
PCB	HQ12101701000	A1900_MB_PCB_V1.0	-	HUASHEN
LCD	HQ20100818000	TXDT700EPLA-68	7Inch_1024*600	TXD
TP	HQ21711193000	TTCT070121	A1900A	Top-Touch
Camera_Front	HQ20201113000	BLX0A20H-A1900-F	-	BRODSANDS
Camera_Back	HQ20201108000	BLX2508H-A1900-B	-	BRODSANDS
Speaker	HQ20310105000	XHS151118SW43P38-02	-	Haosheng
Shell	HQ20701027000	HQZA1900AJA_01	-	JANUS劲胜
Shell	HQ20741605000	HQZA1900AJA_02	-	JANUS劲胜
Shell	HQ21400541000	HQZA1900AJA_03	-	JANUS劲胜
MIC_Weld	HQ20500069000	OB-F15LX42-1592-C10C33EP	-	HUAFENG
Adapter(US)	HQ60310548000	C-P56	I/P: 100-240V~ 50/60Hz, 0.15A O/P: 5.0V, 1.0A	Huntkey
USB Cable	HQ60320546000	L16B-05100070L	70cm	LIQI
Battery	HQ60331045000	S5000(ATL)	3450mAh	SUNWODA

Secondary Supply				
Part Name	S/N	Mode Name	Description	Supplier
Memory-EMMC	HQ11120418000	THGBMFG7C2LBAIL	EMMC(MLC)_16GB	Toshiba
Memory-EMMC	HQ11120419000	THGBMFG6C1LBAIL	EMMC(MLC)_8GB	Toshiba
Memory-EMMC	-	THGBMAG6A2JBAIR	EMMC(MLC)_8GB	Toshiba **(Remark 1)**
Memory-DDR3	HQ11120371000	K4E8E324EB-AGCF	LPDDR3_8Gb	Samsung
Memory-DDR3	HQ11120262000	K4E8E304EE-AGCE	LPDDR3_8Gb	Samsung
PCB	HQ12101702000	A1900_MB_PCB_V1.0	-	Elec & Elteck
LCD	HQ20100822000	KD070D54-39NH-B2	7Inch_1024*600	K&D
TP	HQ21711200000	YCB0880700801A	A1900A	Each
Camera_Front	HQ20201114000	GI5953A1D-1P0J0	-	Qunhui
Camera_Back	HQ20201117000	GV5954B1S-1P0J0	-	Qunhui
Speaker	HQ2031012500	KFSC1115G3.5-08-0.7W-D	-	Xichun
MIC_Weld	HQ20500068000	CM4015BC-423-WR138	-	Jinzun
Adapter(US)	HQ60311132000	C-P56	I/P: 100-240V~ 50/60Hz, 0.13A O/P: 5.0V, 1.0A	Acbel
Battery	HQ60331361000	S5000(COSLIGHT)	3450mAh	SCUD

Remark: This component is third supply, the only difference between third supply and second supply is the model of 8G Memory-EMMC, the rest is same.

4. Channel List:

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

5. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	A1900	Internal	N/A	0.35

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%.

(5) Both adapter and battery are evaluated, operated the adapter is the worst and recorded as below test data

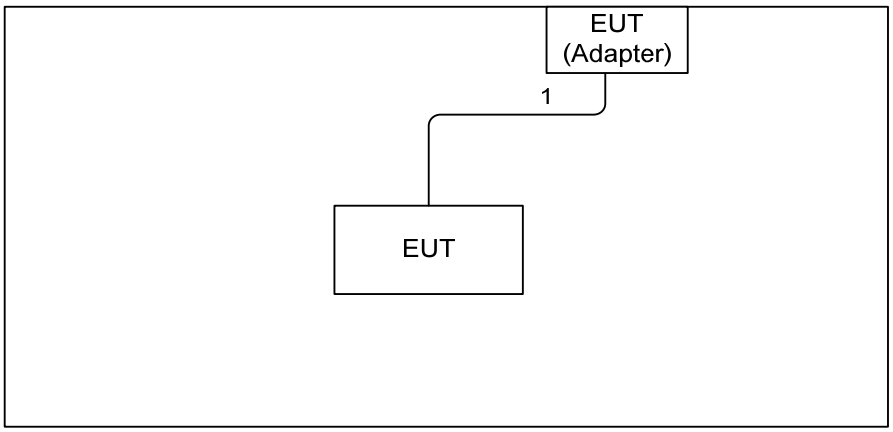
(6) The EUT is considered a portable unit, it was pre-tested on the positioned of each 3 axis. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test

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	17	17	17
802.11g	15	15	15
802.11n (20MHz)	15	15	15
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	15	15	15

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.	Note
-	-	-	-	-	-	

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

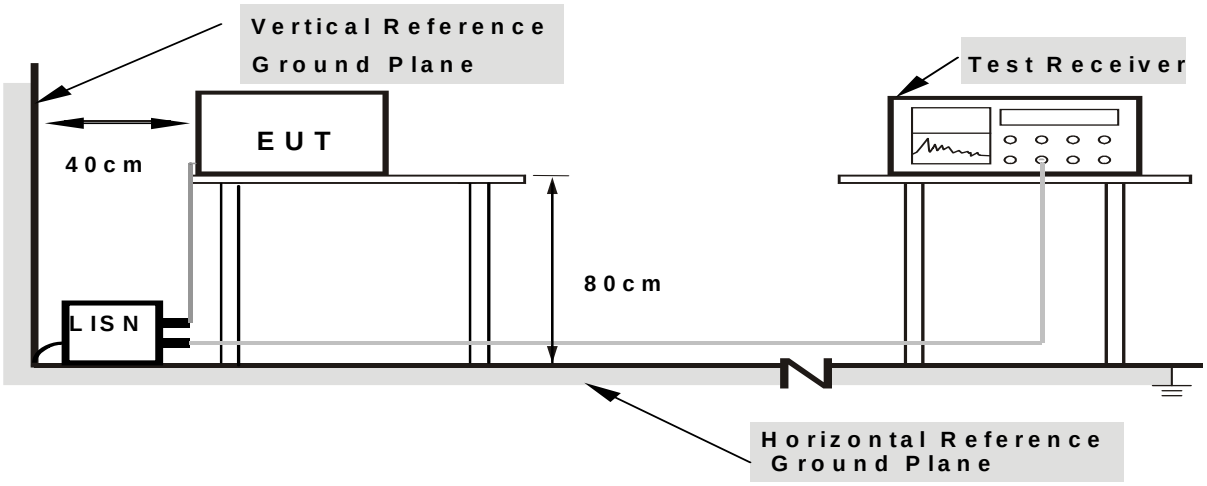
4.1.2 TEST PROCEDURE

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: 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) & RSS-247 5.5, then the 15.209(a)& RSS-Gen 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

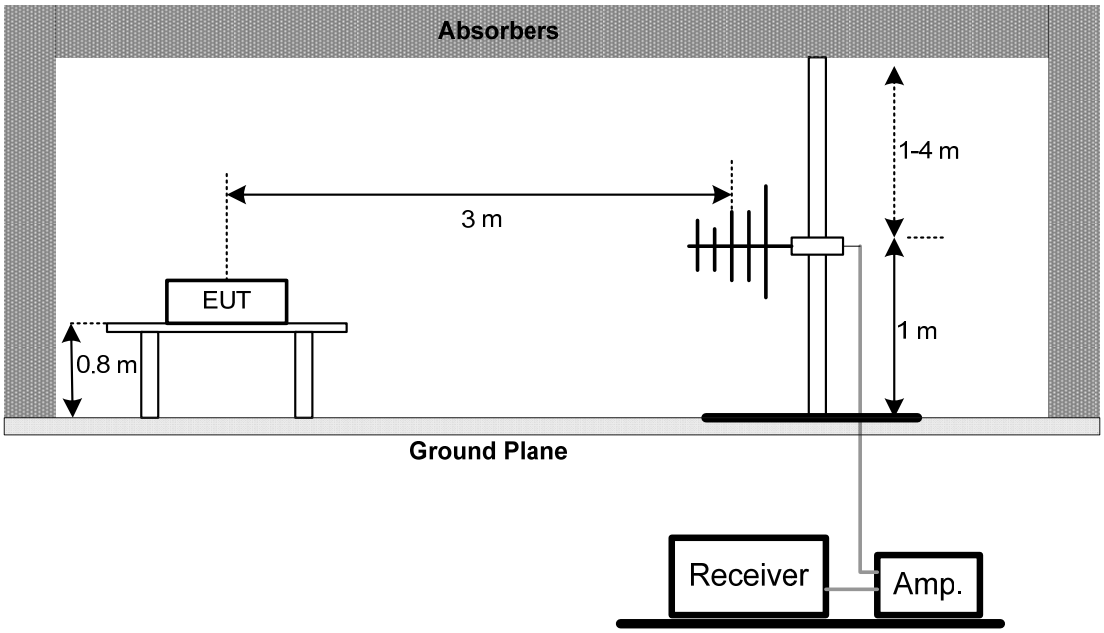
a. The measuring distance of at 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

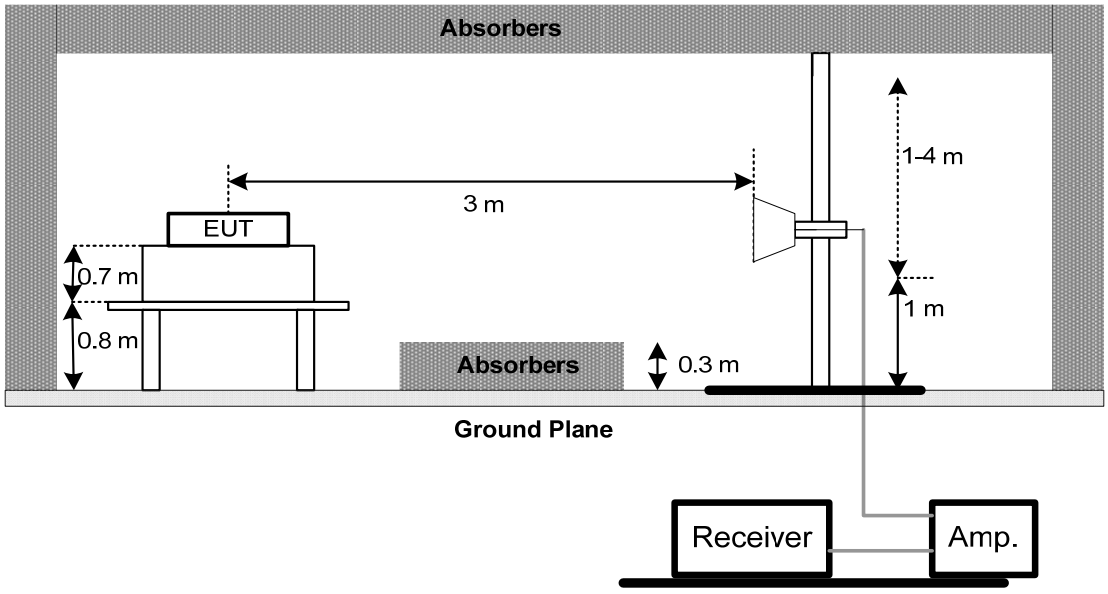
No deviation

4.2.4 TEST SETUP

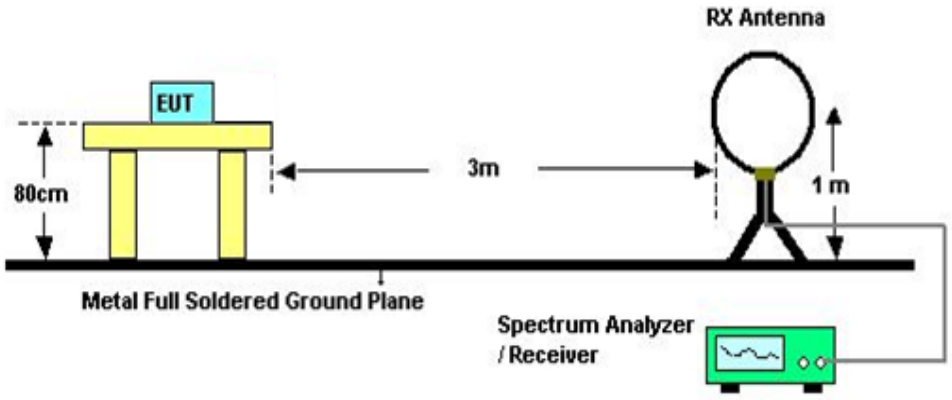
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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: 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 (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/ RSS-GEN and RSS-247			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2) RSS-GEN section 6.6 RSS-247 5.2 (1)	Bandwidth	2400-2483.5	PASS

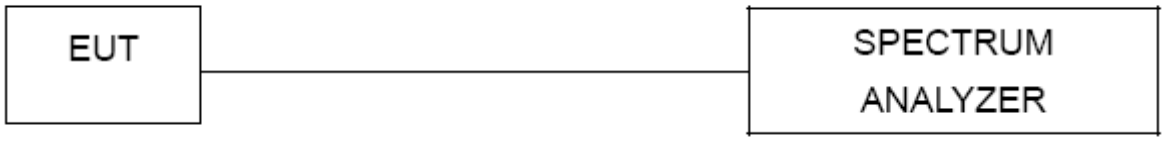
5.1.1 TEST PROCEDURE

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/ RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3) RSS-247 5.4 (4)	Maximum Output Power	1 Watt or 30dBm	2400-2483.5	PASS

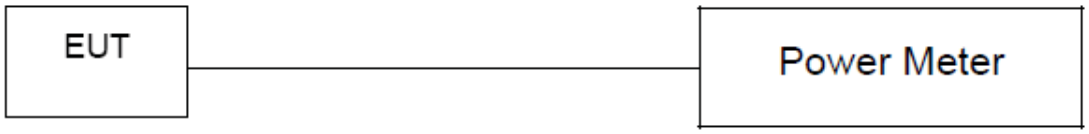
6.1.1 TEST PROCEDURE

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.

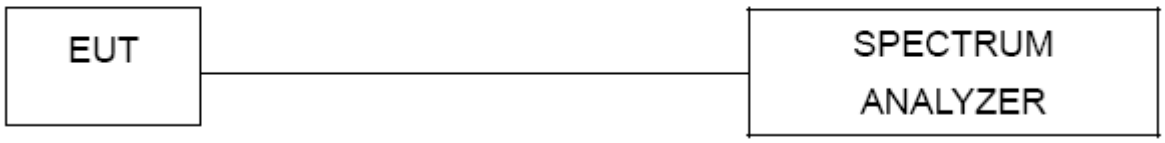
7.1.1 TEST PROCEDURE

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 / RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e) RSS-247 5.2 (2)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

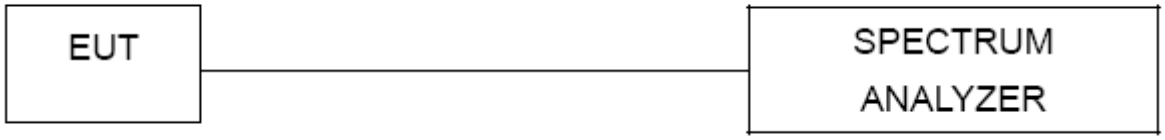
8.1.1 TEST PROCEDURE

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	N/A	C_17	N/A	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. 17, 2015
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 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. 02, 2015
8	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 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	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Aug. 15, 2016
13	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

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	Nov. 02, 2015

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

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

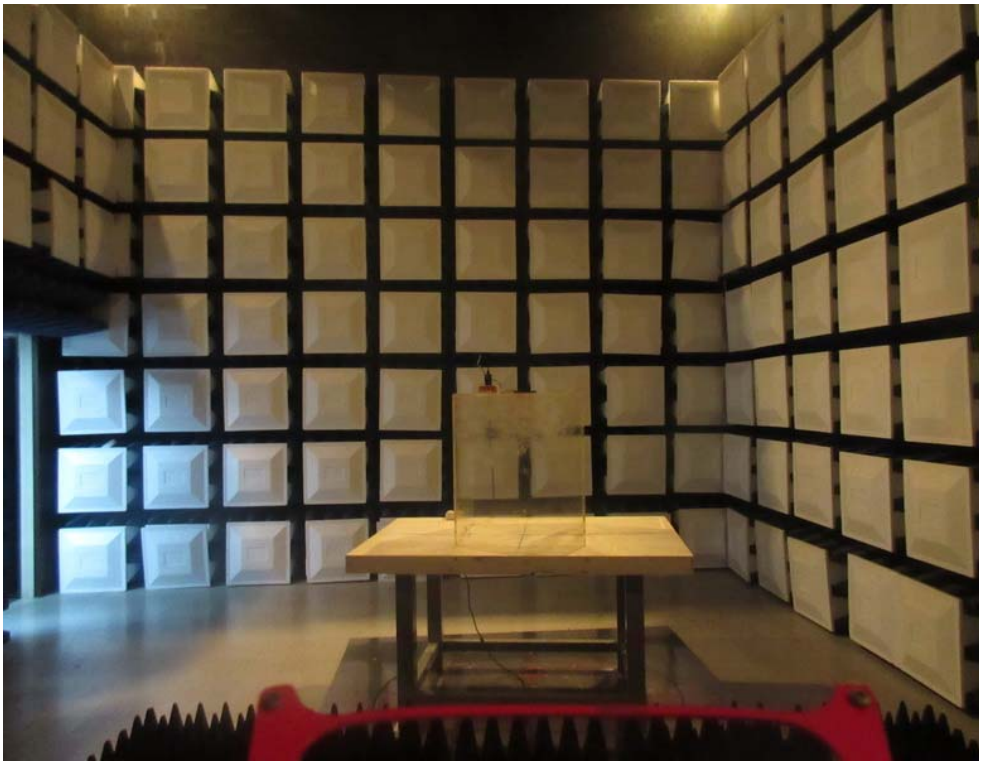
9KHz to 30MHz

Radiated Measurement Photos

30MHz to 1000MHz

Radiated Measurement Photos

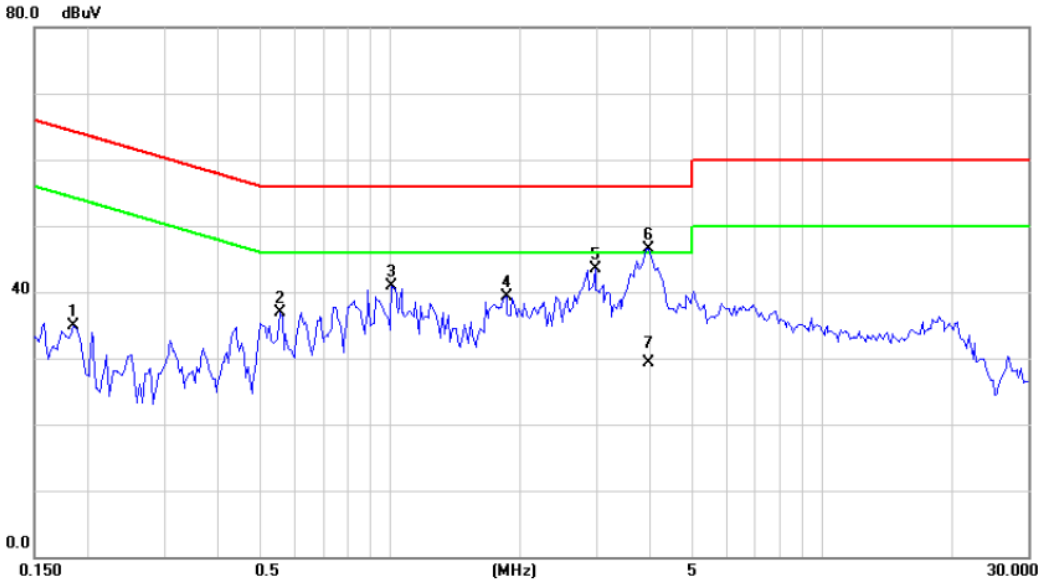
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX Mode_Main Supply_Adapter:Huntkey

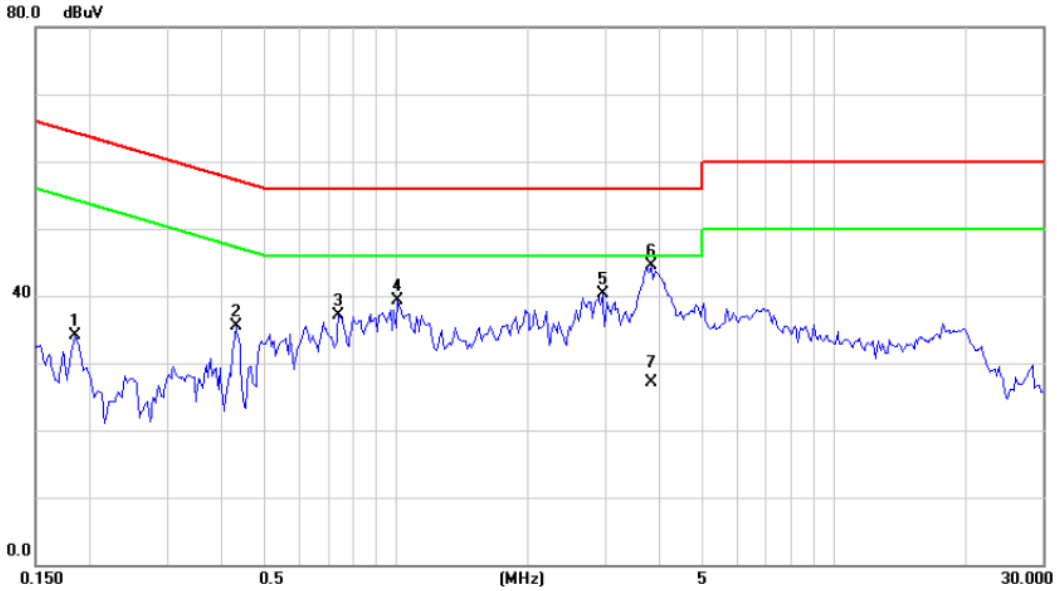
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1852	25.24	9.57	34.81	64.25	-29.44	peak	
2		0.5563	27.25	9.70	36.95	56.00	-19.05	peak	
3		1.0055	31.19	9.80	40.99	56.00	-15.01	peak	
4		1.8570	29.43	9.90	39.33	56.00	-16.67	peak	
5		2.9820	33.52	10.03	43.55	56.00	-12.45	peak	
6	*	3.9648	36.52	9.97	46.49	56.00	-9.51	peak	
7		3.9648	19.40	9.97	29.37	46.00	-16.63	AVG	

Test Mode:	TX Mode_Main Supply_Adapter:Huntkey

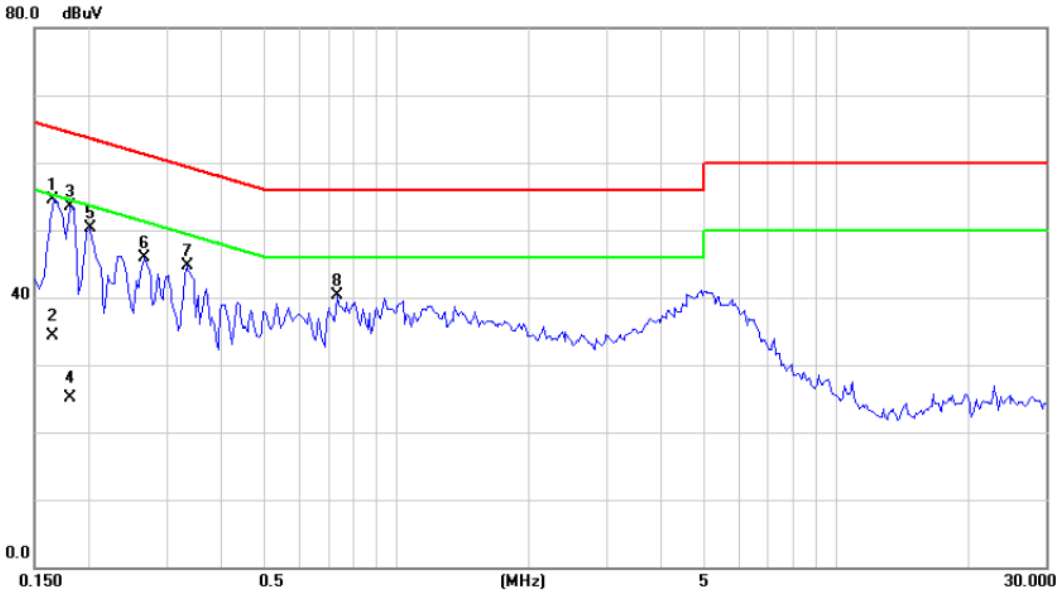
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1852	24.62	9.49	34.11	64.25	-30.14	peak	
2		0.4313	25.88	9.54	35.42	57.23	-21.81	peak	
3		0.7398	27.52	9.54	37.06	56.00	-18.94	peak	
4		1.0094	29.80	9.58	39.38	56.00	-16.62	peak	
5		2.9703	30.45	9.81	40.26	56.00	-15.74	peak	
6	*	3.8360	34.60	9.90	44.50	56.00	-11.50	peak	
7		3.8360	17.20	9.90	27.10	46.00	-18.90	AVG	

Test Mode:	TX Mode_Main Supply_Adapter:Acbel

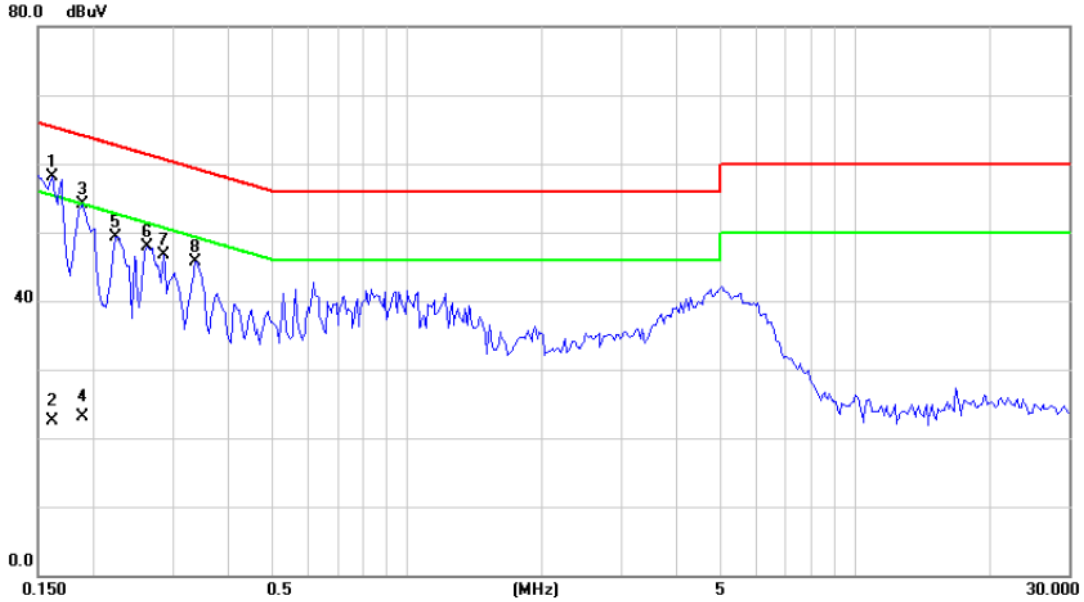
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1655	44.90	9.56	54.46	65.18	-10.72	peak	
2		0.1655	24.70	9.56	34.26	55.18	-20.92	AVG	
3		0.1812	43.94	9.56	53.50	64.43	-10.93	peak	
4		0.1812	15.60	9.56	25.16	54.43	-29.27	AVG	
5		0.2008	40.72	9.57	50.29	63.58	-13.29	peak	
6		0.2672	36.19	9.62	45.81	61.20	-15.39	peak	
7		0.3336	35.06	9.64	44.70	59.36	-14.66	peak	
8		0.7320	30.54	9.74	40.28	56.00	-15.72	peak	

Test Mode:	TX Mode_Main Supply_Adapter: Acbel

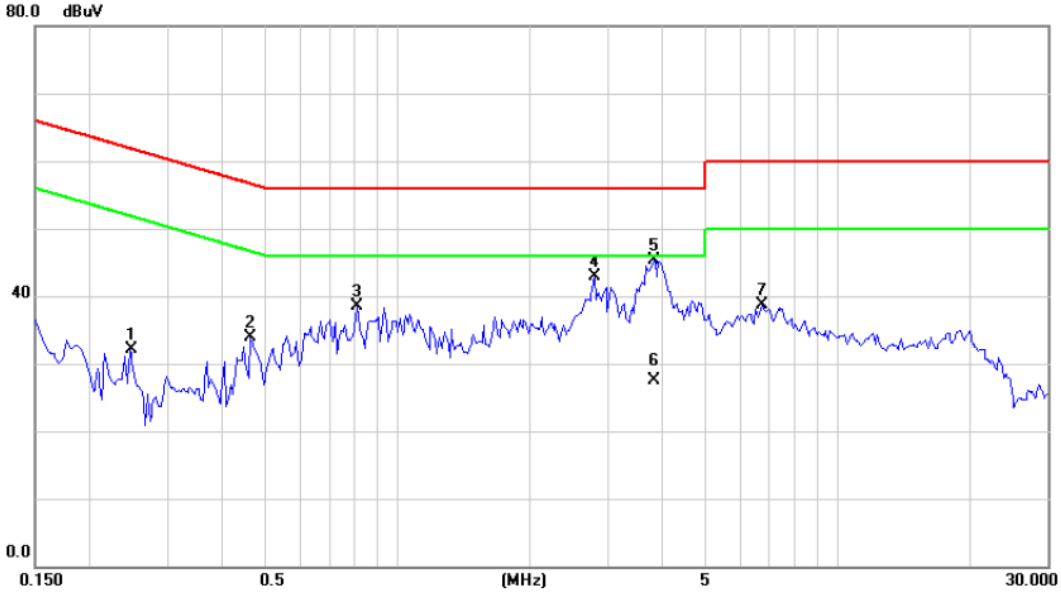
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1617	48.56	9.48	58.04	65.38	-7.34	peak	
2		0.1617	13.10	9.48	22.58	55.38	-32.80	AVG	
3		0.1891	44.62	9.49	54.11	64.08	-9.97	peak	
4		0.1891	13.60	9.49	23.09	54.08	-30.99	AVG	
5		0.2242	39.88	9.50	49.38	62.66	-13.28	peak	
6		0.2633	38.32	9.51	47.83	61.33	-13.50	peak	
7		0.2867	37.12	9.52	46.64	60.62	-13.98	peak	
8		0.3375	36.22	9.53	45.75	59.26	-13.51	peak	

Test Mode:	TX Mode_ Secondary Supply_Adapter:Huntkey

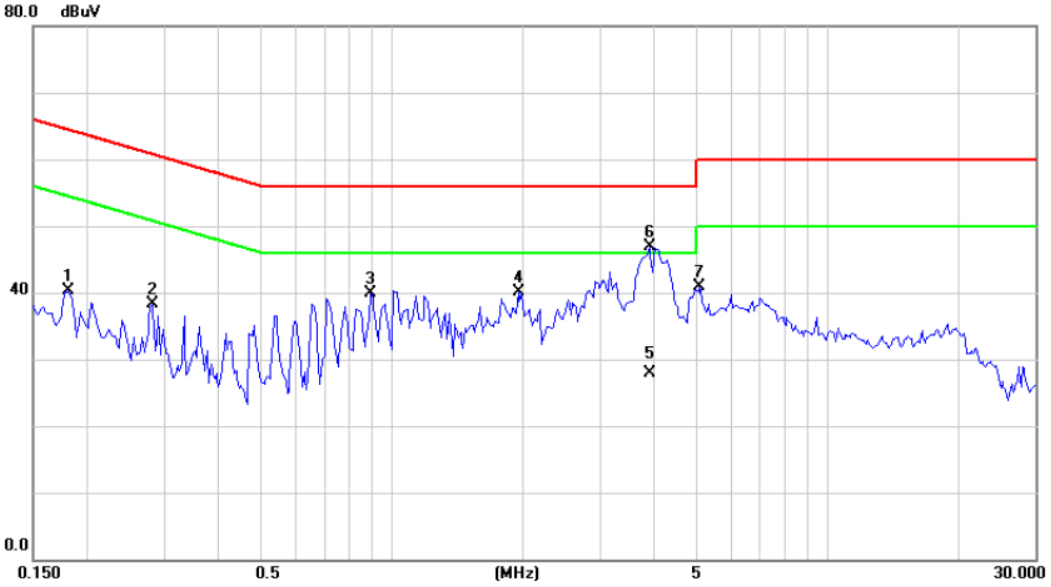
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2477	22.40	9.61	32.01	61.83	-29.82	peak	
2		0.4625	24.21	9.68	33.89	56.65	-22.76	peak	
3		0.8102	28.80	9.75	38.55	56.00	-17.45	peak	
4		2.7945	32.97	10.02	42.99	56.00	-13.01	peak	
5	*	3.8398	35.28	9.97	45.25	56.00	-10.75	peak	
6		3.8398	17.50	9.97	27.47	46.00	-18.53	AVG	
7		6.7422	28.71	9.92	38.63	60.00	-21.37	peak	

Test Mode:	TX Mode_ Secondary Supply_Adapter:Huntkey

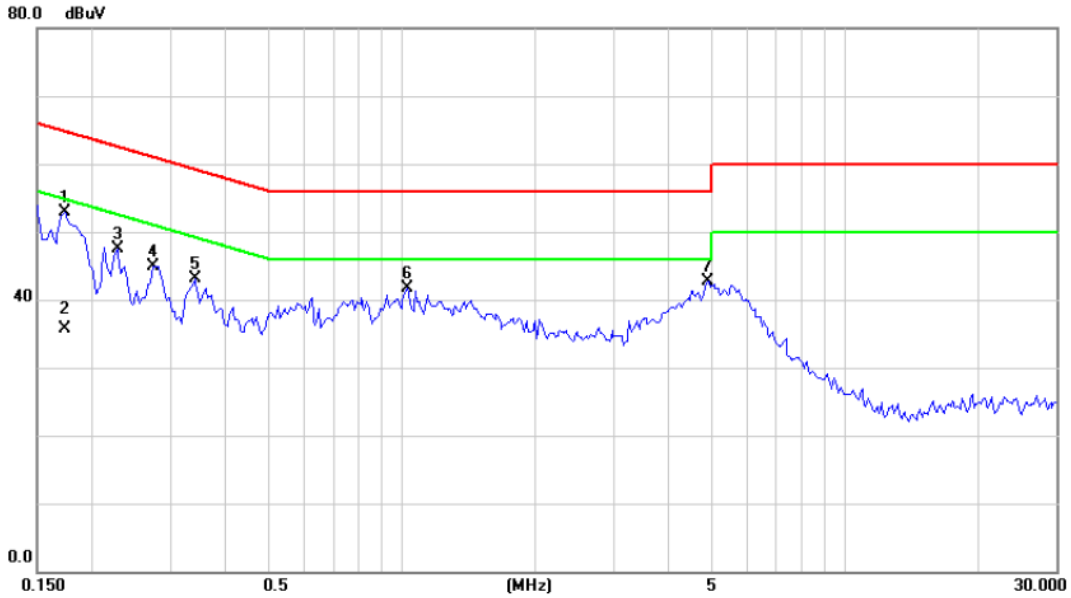
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1812	30.77	9.49	40.26	64.43	-24.17	peak	
2		0.2828	28.74	9.52	38.26	60.73	-22.47	peak	
3		0.8922	30.35	9.58	39.93	56.00	-16.07	peak	
4		1.9508	30.36	9.72	40.08	56.00	-15.92	peak	
5		3.9063	18.00	9.91	27.91	46.00	-18.09	AVG	
6	*	3.9063	37.00	9.91	46.91	56.00	-9.09	peak	
7		5.0898	30.99	9.91	40.90	60.00	-19.10	peak	

Test Mode:	TX Mode_ Secondary Supply_Adapter:Acbel

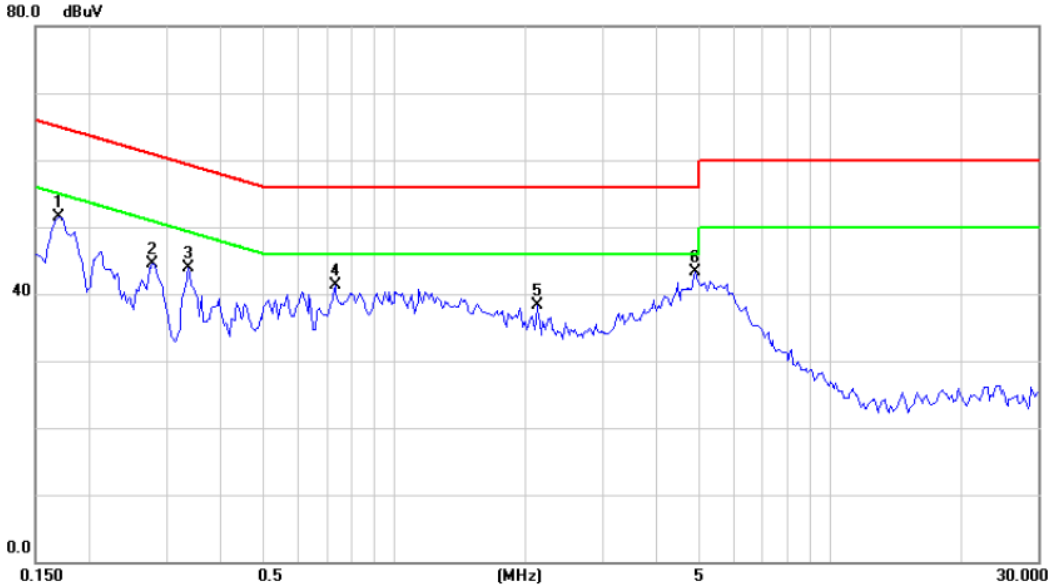
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1734	43.27	9.56	52.83	64.80	-11.97	peak	
2		0.1734	26.20	9.56	35.76	54.80	-19.04	AVG	
3		0.2281	37.97	9.59	47.56	62.52	-14.96	peak	
4		0.2750	35.35	9.63	44.98	60.97	-15.99	peak	
5		0.3414	33.55	9.64	43.19	59.17	-15.98	peak	
6		1.0290	31.85	9.80	41.65	56.00	-14.35	peak	
7		4.9141	32.80	9.99	42.79	56.00	-13.21	peak	

Test Mode:	TX Mode_ Secondary Supply_Adapter: Acbel

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1695	42.06	9.48	51.54	64.98	-13.44	peak	
2		0.2790	34.96	9.52	44.48	60.85	-16.37	peak	
3		0.3375	34.35	9.53	43.88	59.26	-15.38	peak	
4		0.7320	31.77	9.54	41.31	56.00	-14.69	peak	
5		2.1266	28.55	9.73	38.28	56.00	-17.72	peak	
6	*	4.8983	33.34	9.91	43.25	56.00	-12.75	peak	

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

Test Mode:	TX Mode_Main Supply

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0096	0°	13.47	24.96	38.43	128.00	-89.56	AVG
0.0096	0°	14.49	24.96	39.45	148.00	-108.54	PEAK
0.0262	0°	6.54	23.91	30.45	119.24	-88.79	AVG
0.0262	0°	8.13	23.91	32.04	139.24	-107.20	PEAK
0.0342	0°	3.17	23.40	26.57	116.92	-90.35	AVG
0.0342	0°	5.51	23.40	28.91	136.92	-108.01	PEAK
0.0457	0°	1.32	22.67	23.99	114.41	-90.41	AVG
0.0457	0°	2.62	22.67	25.29	134.41	-109.11	PEAK
0.6437	0°	19.49	20.26	39.75	71.43	-31.68	QP
1.7171	0°	23.67	19.53	43.20	69.54	-26.34	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0095	90°	13.26	24.30	37.56	128.09	-90.53	AVG
0.0095	90°	14.84	24.30	39.14	148.09	-108.95	PEAK
0.0264	90°	7.47	23.89	31.36	119.17	-87.81	AVG
0.0264	90°	8.81	23.89	32.70	139.17	-106.47	PEAK
0.0328	90°	5.43	23.49	28.92	117.29	-88.37	AVG
0.0328	90°	6.37	23.49	29.86	137.29	-107.43	PEAK
0.0434	90°	1.51	22.82	24.33	114.85	-90.53	AVG
0.0434	90°	2.84	22.82	25.66	134.85	-109.20	PEAK
0.5883	90°	22.41	20.08	42.49	72.21	-29.72	QP
1.7147	90°	24.49	19.53	44.02	69.54	-25.52	QP

Test Mode:	TX Mode_ Secondary Supply

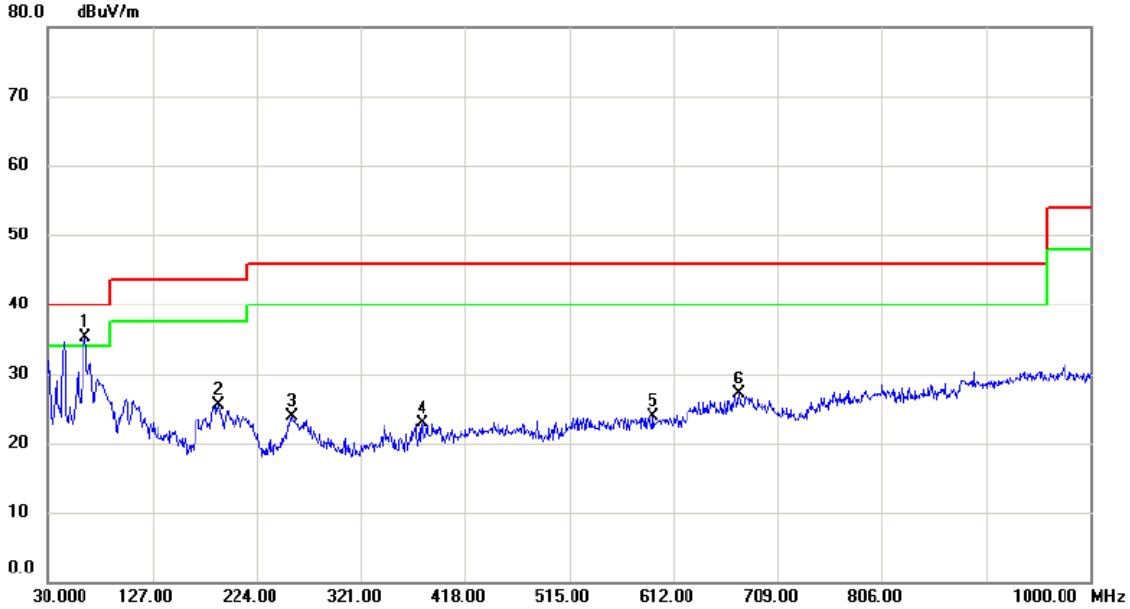
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0090	0°	13.52	24.99	38.51	128.48	-89.97	AVG
0.0090	0°	14.33	24.99	39.32	148.48	-109.16	PEAK
0.0273	0°	6.08	23.84	29.92	118.88	-88.96	AVG
0.0273	0°	8.27	23.84	32.11	138.88	-106.77	PEAK
0.0358	0°	3.39	23.30	26.69	116.53	-89.84	AVG
0.0358	0°	5.42	23.30	28.72	136.53	-107.81	PEAK
0.0437	0°	1.75	22.80	24.55	114.79	-90.25	AVG
0.0437	0°	2.62	22.80	25.42	134.79	-109.38	PEAK
0.5426	0°	19.17	19.94	39.11	72.91	-33.81	QP
1.7882	0°	23.86	19.52	43.38	69.54	-26.16	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0118	90°	13.14	24.30	37.44	126.17	-88.73	AVG
0.0118	90°	14.27	24.30	38.57	146.17	-107.60	PEAK
0.0205	90°	7.05	24.27	31.32	121.37	-90.05	AVG
0.0205	90°	8.31	24.27	32.58	141.37	-108.79	PEAK
0.0335	90°	5.52	23.45	28.97	117.10	-88.14	AVG
0.0335	90°	6.67	23.45	30.12	137.10	-106.99	PEAK
0.0426	90°	1.85	22.87	24.72	115.02	-90.30	AVG
0.0426	90°	2.43	22.87	25.30	135.02	-109.72	PEAK
0.5934	90°	22.57	20.10	42.67	72.14	-29.47	QP
1.8235	90°	24.43	19.52	43.95	69.54	-25.59	QP

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

Test Mode:	TX B MODE CHANNEL 01_Main Supply_Adapter:Huntkey

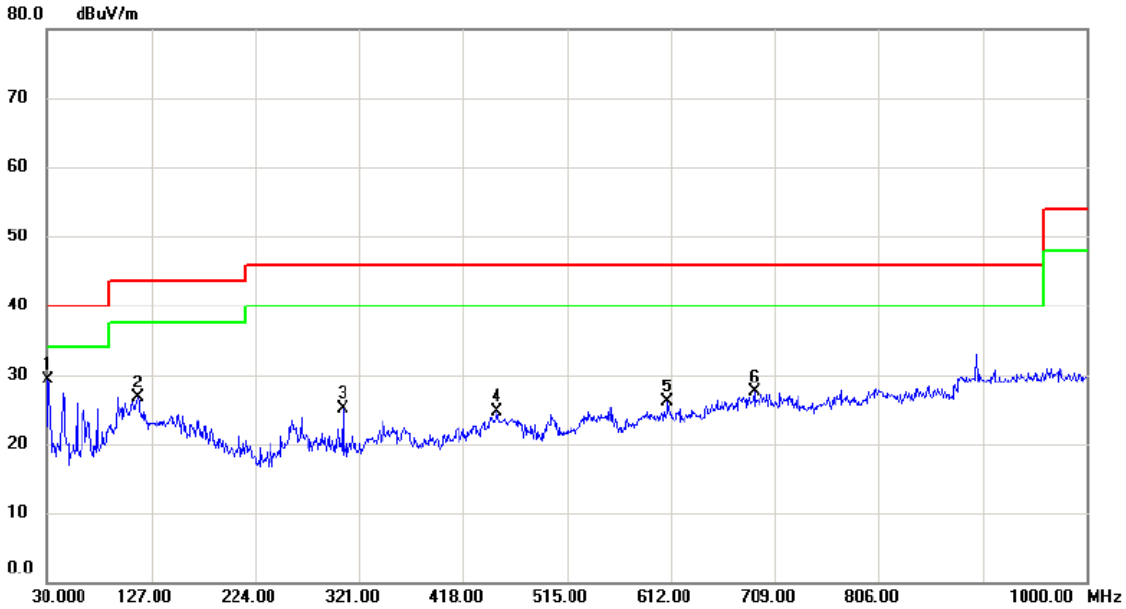
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.35	-13.96	35.39	40.00	-4.61	peak	
2		188.1100	38.22	-12.71	25.51	43.50	-17.99	peak	
3		256.9800	36.52	-12.64	23.88	46.00	-22.12	peak	
4		378.2300	31.42	-8.42	23.00	46.00	-23.00	peak	
5		593.5700	28.51	-4.63	23.88	46.00	-22.12	peak	
6		673.1100	28.58	-1.56	27.02	46.00	-18.98	peak	

Test Mode:	TX B MODE CHANNEL 01_Main Supply_Adapter:Huntkey

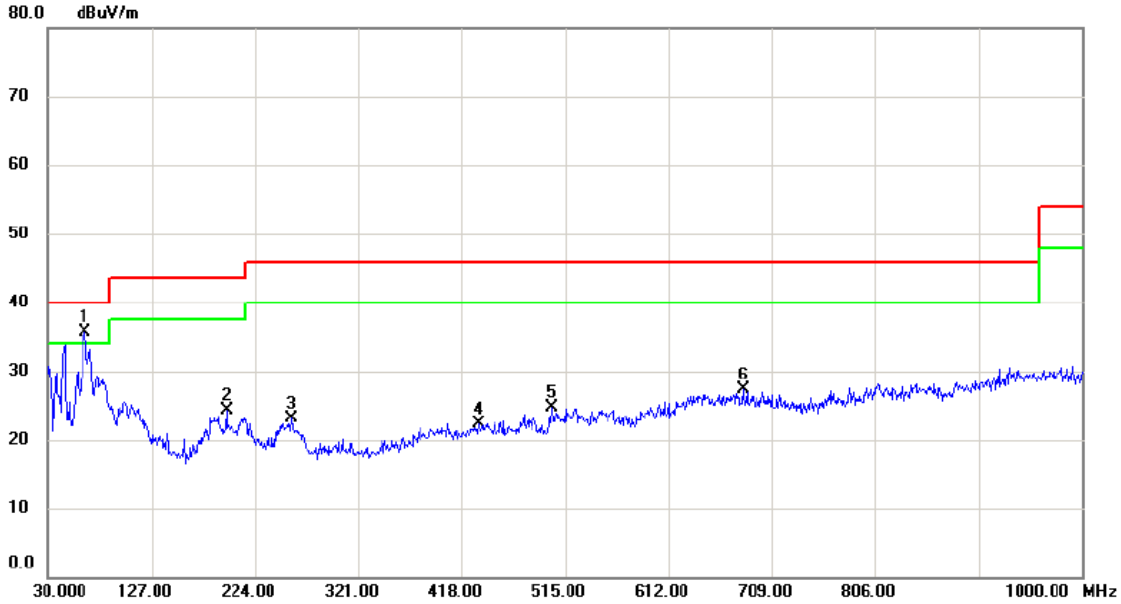
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	30.9700	43.21	-13.99	29.22	40.00	-10.78	peak	
2		114.3900	39.96	-13.25	26.71	43.50	-16.79	peak	
3		305.4800	34.79	-9.63	25.16	46.00	-20.84	peak	
4		450.0100	30.52	-5.89	24.63	46.00	-21.37	peak	
5		609.0900	30.16	-4.09	26.07	46.00	-19.93	peak	
6		689.6000	28.96	-1.50	27.46	46.00	-18.54	peak	

Test Mode:	TX B MODE CHANNEL 06_Main Supply_Adapter:Huntkey

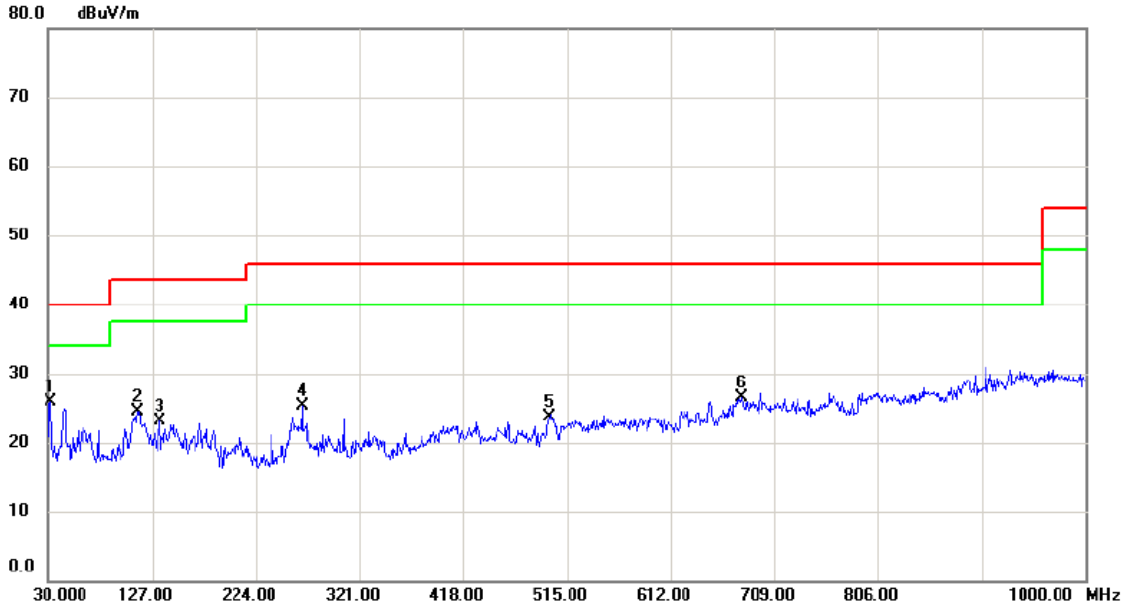
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.59	-13.96	35.63	40.00	-4.37	peak	
2		196.8400	37.63	-13.39	24.24	43.50	-19.26	peak	
3		257.9500	35.73	-12.64	23.09	46.00	-22.91	peak	
4		433.5200	28.74	-6.35	22.39	46.00	-23.61	peak	
5		502.3900	31.92	-7.25	24.67	46.00	-21.33	peak	
6		681.8400	28.75	-1.53	27.22	46.00	-18.78	peak	

Test Mode:	TX B MODE CHANNEL 06_Main Supply_Adapter:Huntkey

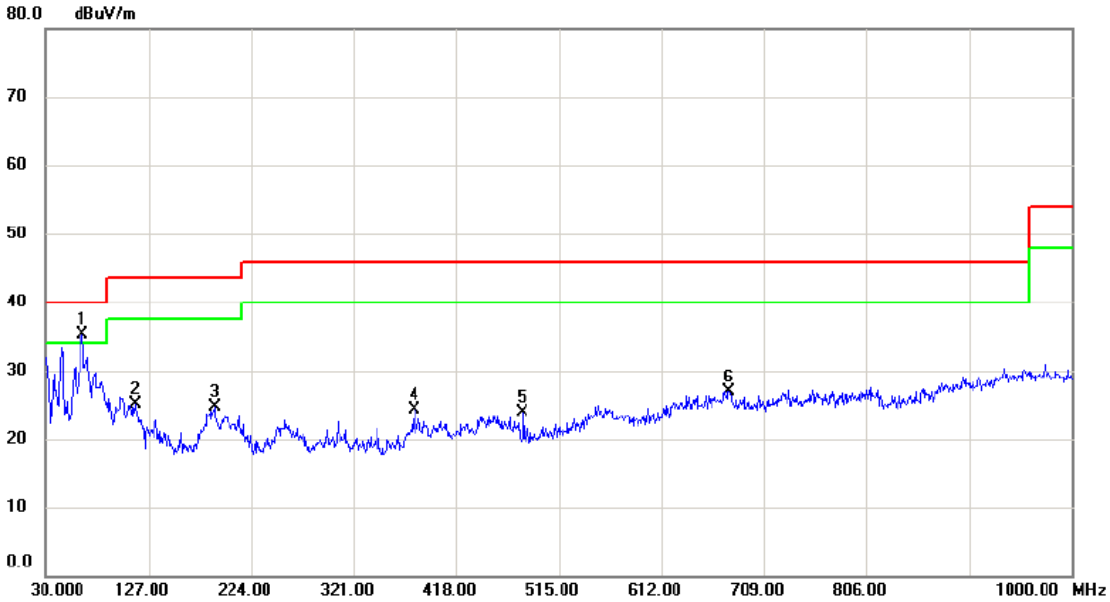
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	31.9400	39.80	-13.89	25.91	40.00	-14.09	peak	
2		113.4200	37.80	-13.38	24.42	43.50	-19.08	peak	
3		133.7900	34.55	-11.53	23.02	43.50	-20.48	peak	
4		266.6800	37.46	-12.07	25.39	46.00	-20.61	peak	
5		498.5100	31.00	-7.34	23.66	46.00	-22.34	peak	
6		678.9300	28.10	-1.54	26.56	46.00	-19.44	peak	

Test Mode:	TX B MODE CHANNEL 11 _Main Supply_Adapter:Huntkey

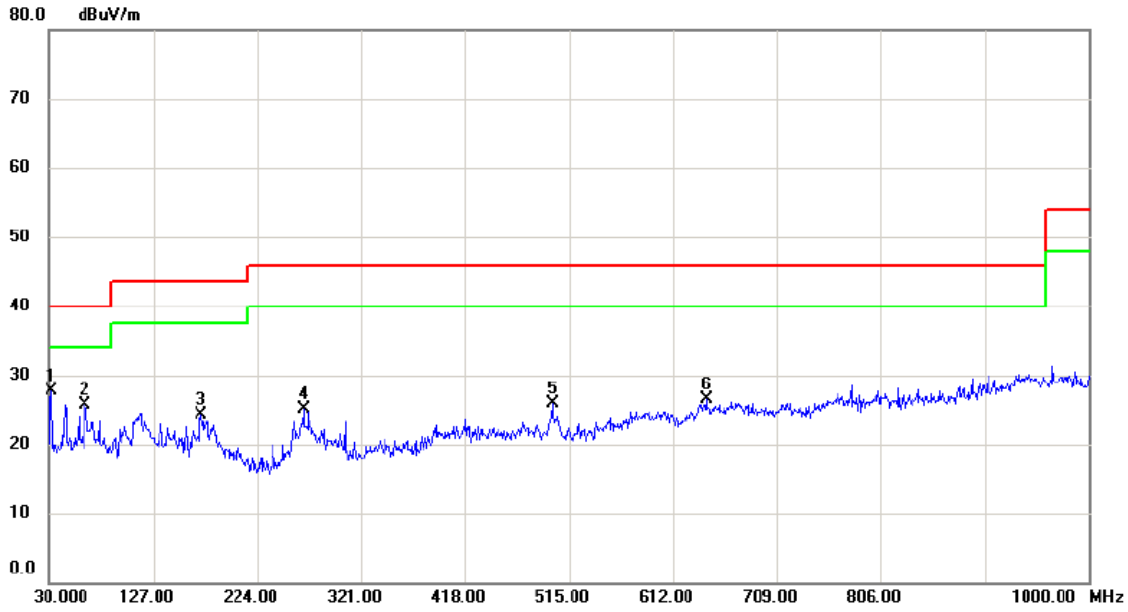
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.21	-13.96	35.25	40.00	-4.75	peak	
2		114.3900	38.29	-13.25	25.04	43.50	-18.46	peak	
3		189.0800	37.59	-12.85	24.74	43.50	-18.76	peak	
4		378.2300	32.81	-8.42	24.39	46.00	-21.61	peak	
5		481.0500	30.71	-6.82	23.89	46.00	-22.11	peak	
6		676.0200	28.53	-1.56	26.97	46.00	-19.03	peak	

Test Mode:	TX B MODE CHANNEL 11_Main Supply_Adapter:Huntkey

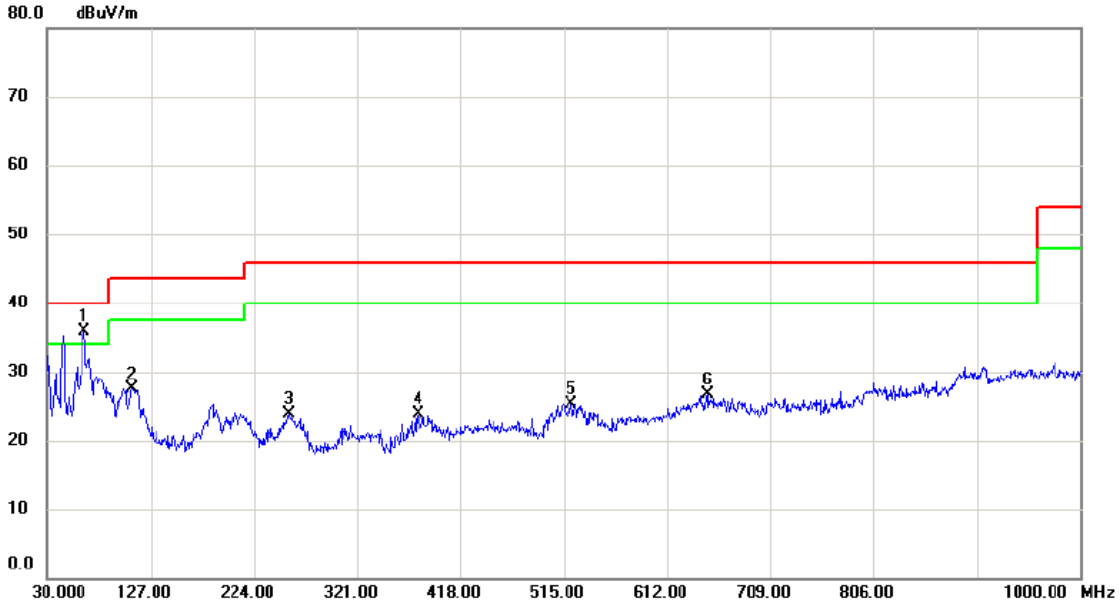
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	31.9400	41.67	-13.89	27.78	40.00	-12.22	peak	
2		62.9800	39.50	-13.89	25.61	40.00	-14.39	peak	
3		171.6200	35.50	-11.17	24.33	43.50	-19.17	peak	
4		266.6800	37.12	-12.07	25.05	46.00	-20.95	peak	
5		499.4800	33.26	-7.37	25.89	46.00	-20.11	peak	
6		643.0400	28.57	-2.05	26.52	46.00	-19.48	peak	

Test Mode:	TX B MODE CHANNEL 01_Main Supply_Adapter:Acbel

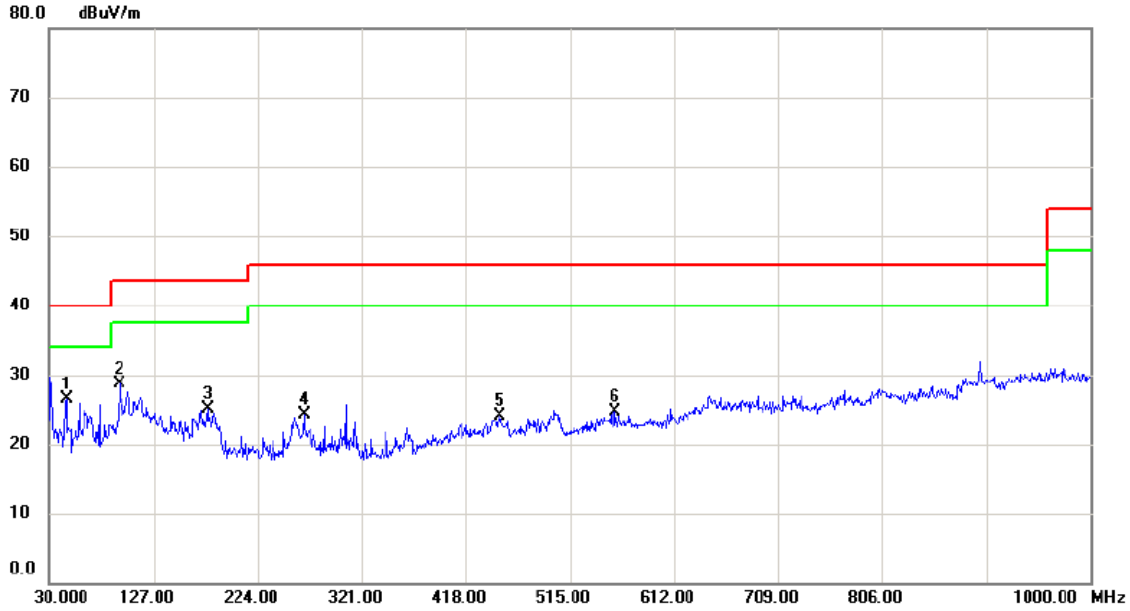
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.85	-13.96	35.89	40.00	-4.11	peak	
2		109.5400	41.43	-13.84	27.59	43.50	-15.91	peak	
3		256.9800	36.52	-12.64	23.88	46.00	-22.12	peak	
4		378.2300	32.42	-8.42	24.00	46.00	-22.00	peak	
5		521.7900	31.55	-6.18	25.37	46.00	-20.63	peak	
6		649.8300	28.36	-1.65	26.71	46.00	-19.29	peak	

Test Mode:	TX B MODE CHANNEL 01_Main Supply_Adapter:Acbel

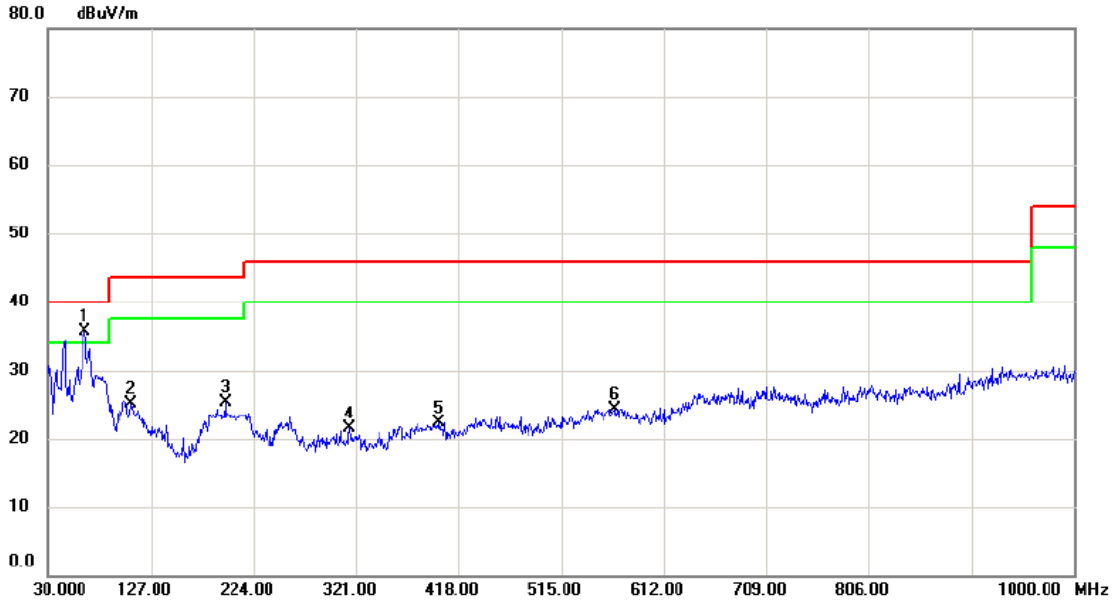
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	45.5200	38.35	-11.84	26.51	40.00	-13.49	peak	
2		94.9900	44.12	-15.51	28.61	43.50	-14.89	peak	
3		177.4400	36.46	-11.38	25.08	43.50	-18.42	peak	
4		266.6800	36.39	-12.07	24.32	46.00	-21.68	peak	
5		450.0100	30.02	-5.89	24.13	46.00	-21.87	peak	
6		557.6800	29.40	-4.62	24.78	46.00	-21.22	peak	

Test Mode:	TX B MODE CHANNEL 06_Main Supply_Adapter:Acbel

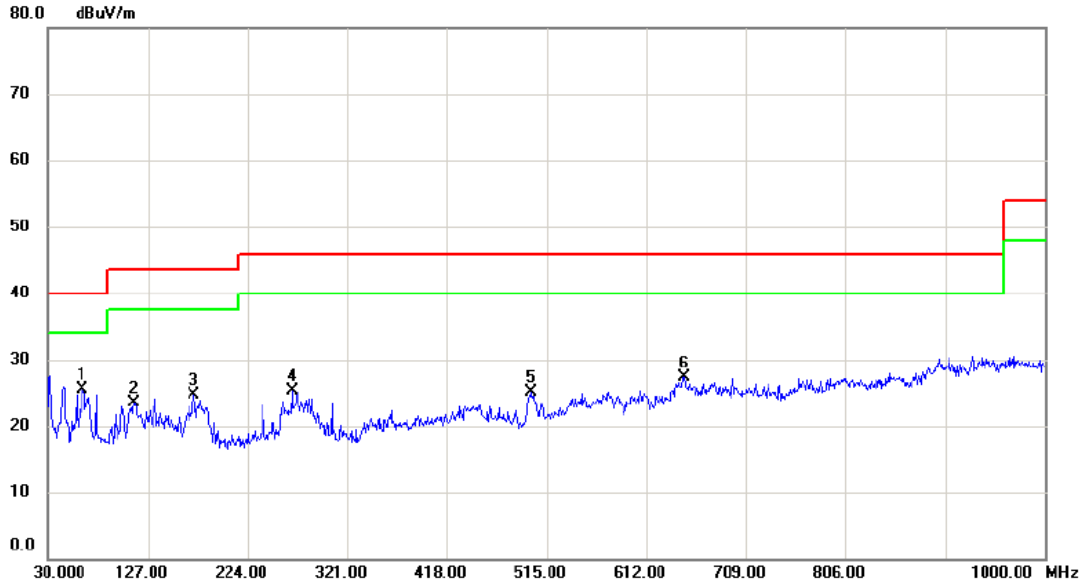
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.59	-13.96	35.63	40.00	-4.37	peak	
2		108.5700	38.99	-13.92	25.07	43.50	-18.43	peak	
3		196.8400	38.63	-13.39	25.24	43.50	-18.26	peak	
4		315.1800	31.14	-9.68	21.46	46.00	-24.54	peak	
5		399.5700	29.57	-7.28	22.29	46.00	-23.71	peak	
6		565.4400	29.00	-4.63	24.37	46.00	-21.63	peak	

Test Mode:	TX B MODE CHANNEL 06_Main Supply_Adapter:Acbel

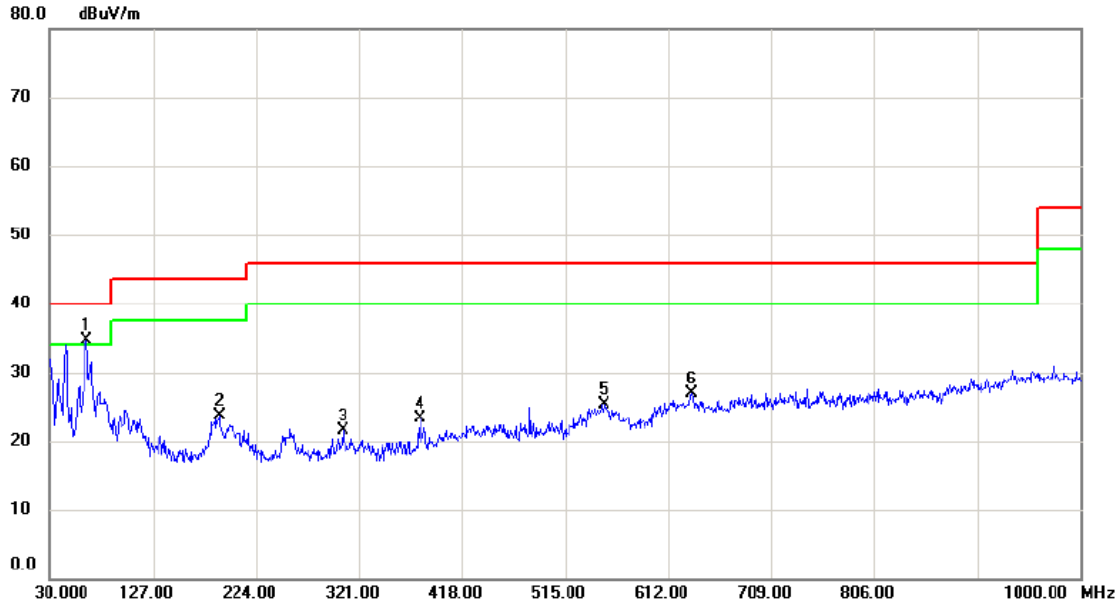
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	39.48	-13.89	25.59	40.00	-14.41	peak	
2		113.4200	36.80	-13.38	23.42	43.50	-20.08	peak	
3		171.6200	35.94	-11.17	24.77	43.50	-18.73	peak	
4		266.6800	37.46	-12.07	25.39	46.00	-20.61	peak	
5		500.4500	32.57	-7.37	25.20	46.00	-20.80	peak	
6		648.8600	29.05	-1.72	27.33	46.00	-18.67	peak	

Test Mode:	TX B MODE CHANNEL 11_Main Supply_Adapter:Acbel

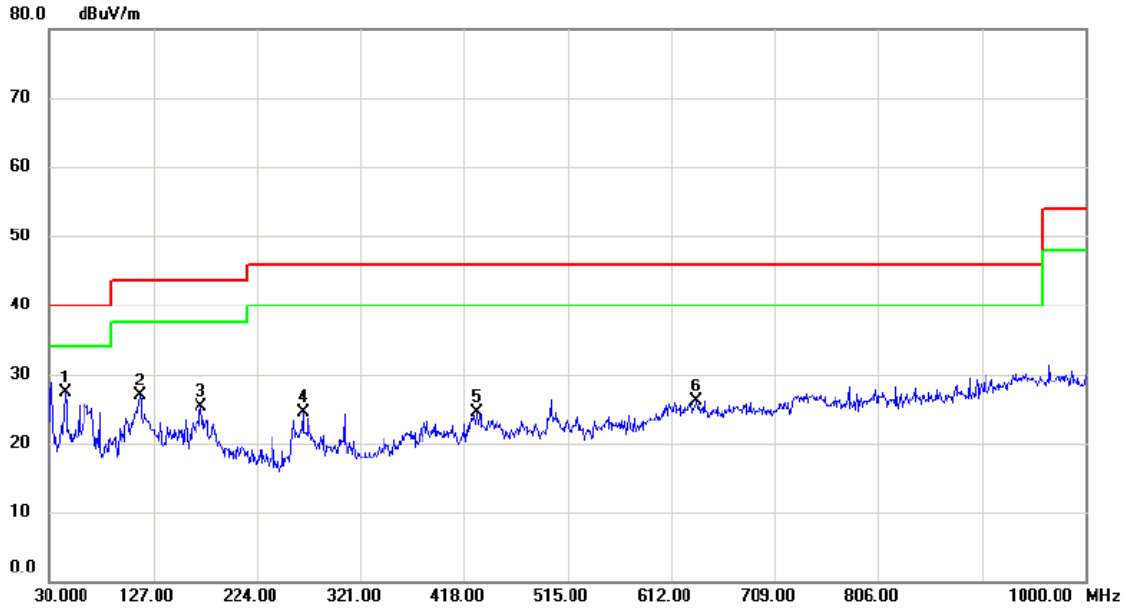
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	48.71	-13.96	34.75	40.00	-5.25	peak	
2		189.0800	36.59	-12.85	23.74	43.50	-19.76	peak	
3		305.4800	31.19	-9.63	21.56	46.00	-24.44	peak	
4		378.2300	31.81	-8.42	23.39	46.00	-22.61	peak	
5		551.8600	29.95	-4.62	25.33	46.00	-20.67	peak	
6		634.3100	29.50	-2.58	26.92	46.00	-19.08	peak	

Test Mode:	TX B MODE CHANNEL 11_Main Supply_Adapter:Acbel

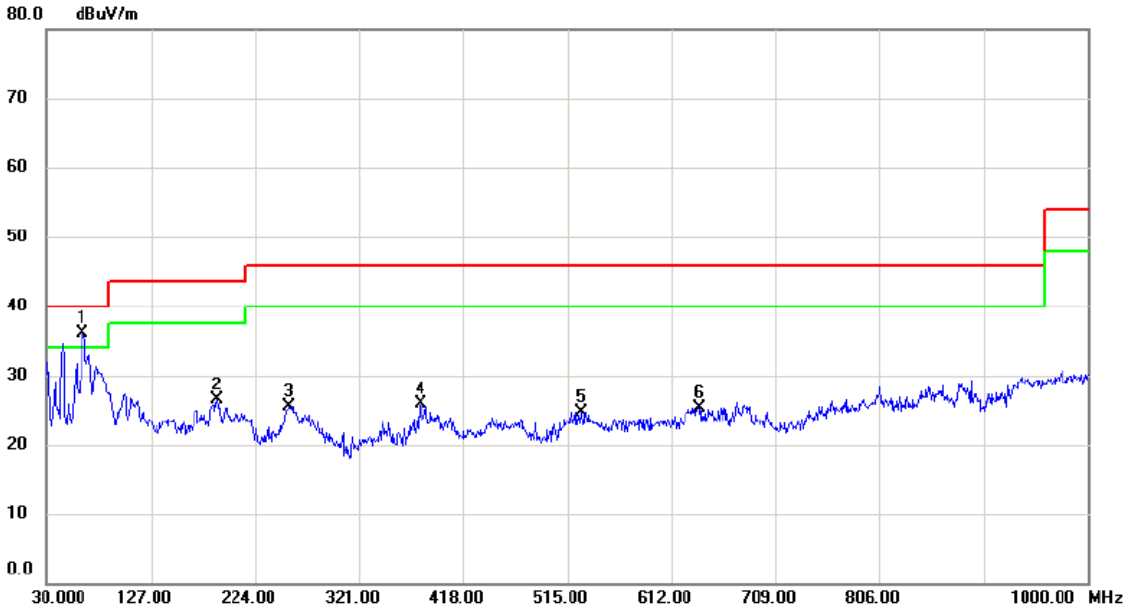
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	39.16	-11.94	27.22	40.00	-12.78	peak	
2		114.3900	40.21	-13.25	26.96	43.50	-16.54	peak	
3		171.6200	36.50	-11.17	25.33	43.50	-18.17	peak	
4		266.6800	36.62	-12.07	24.55	46.00	-21.45	peak	
5		430.6100	30.98	-6.43	24.55	46.00	-21.45	peak	
6		636.2500	28.50	-2.46	26.04	46.00	-19.96	peak	

Test Mode:	TX B MODE CHANNEL 01_Secondary Supply_Adapter:Huntkey

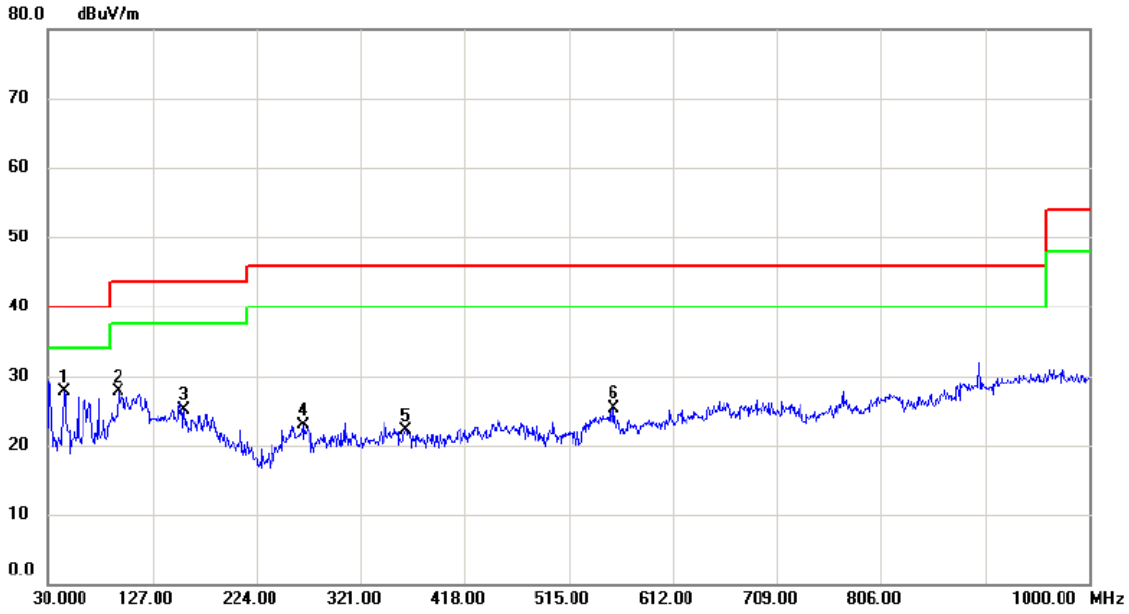
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	50.07	-13.89	36.18	40.00	-3.82	peak	
2		188.1100	39.22	-12.71	26.51	43.50	-16.99	peak	
3		256.0100	38.19	-12.65	25.54	46.00	-20.46	peak	
4		378.2300	34.42	-8.42	26.00	46.00	-20.00	peak	
5		528.5800	30.59	-5.80	24.79	46.00	-21.21	peak	
6		638.1900	27.74	-2.34	25.40	46.00	-20.60	peak	

Test Mode:	TX B MODE CHANNEL 01_Secondary Supply_Adapter:Huntkey

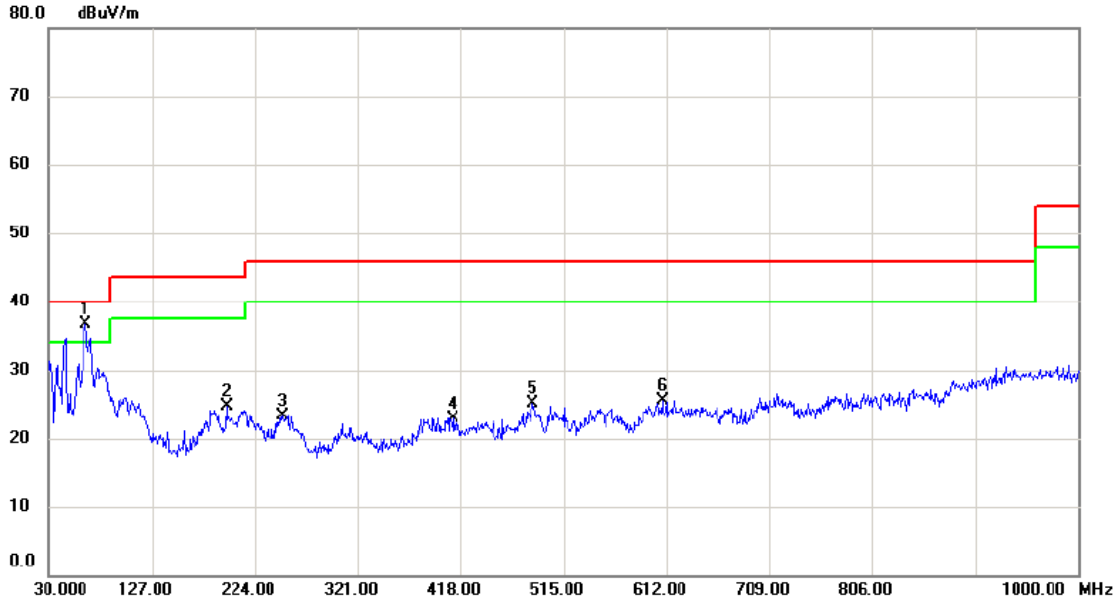
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	39.73	-11.94	27.79	40.00	-12.21	peak	
2		94.9900	43.12	-15.51	27.61	43.50	-15.89	peak	
3		156.1000	37.09	-12.01	25.08	43.50	-18.42	peak	
4		266.6800	34.89	-12.07	22.82	46.00	-23.18	peak	
5		362.7100	31.44	-9.24	22.20	46.00	-23.80	peak	
6		557.6800	29.90	-4.62	25.28	46.00	-20.72	peak	

Test Mode:	TX B MODE CHANNEL 06_Secondary Supply_Adapter:Huntkey

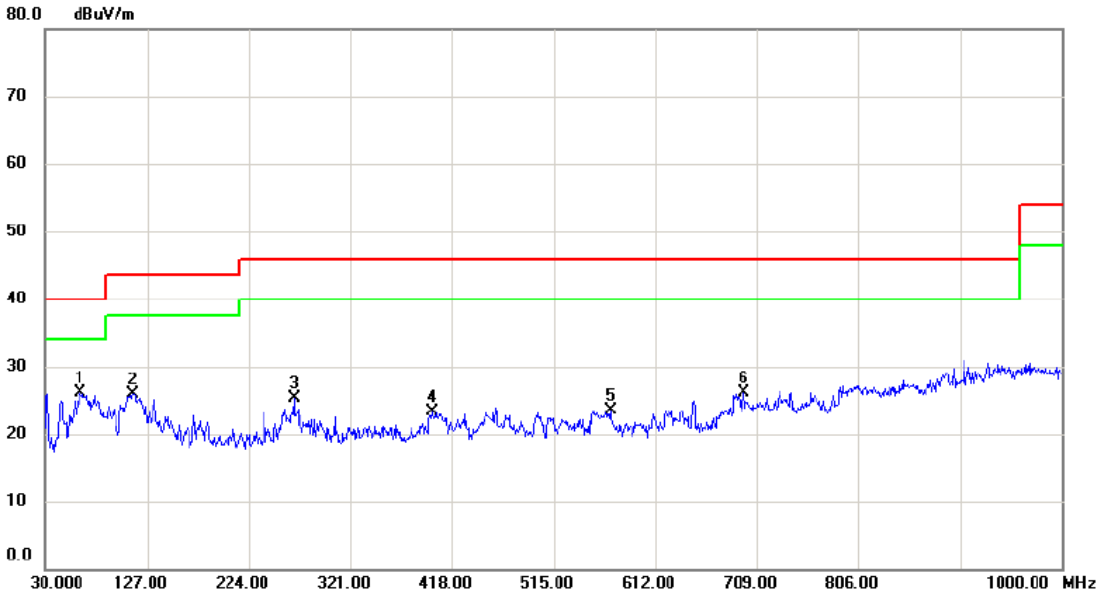
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	50.59	-13.96	36.63	40.00	-3.37	peak	
2		196.8400	38.13	-13.39	24.74	43.50	-18.76	peak	
3		250.1900	36.02	-12.67	23.35	46.00	-22.65	peak	
4		411.2100	29.93	-6.95	22.98	46.00	-23.02	peak	
5		485.9000	32.13	-6.97	25.16	46.00	-20.84	peak	
6		608.1200	29.73	-4.15	25.58	46.00	-20.42	peak	

Test Mode:	TX B MODE CHANNEL 06_Secondary Supply_Adapter:Huntkey

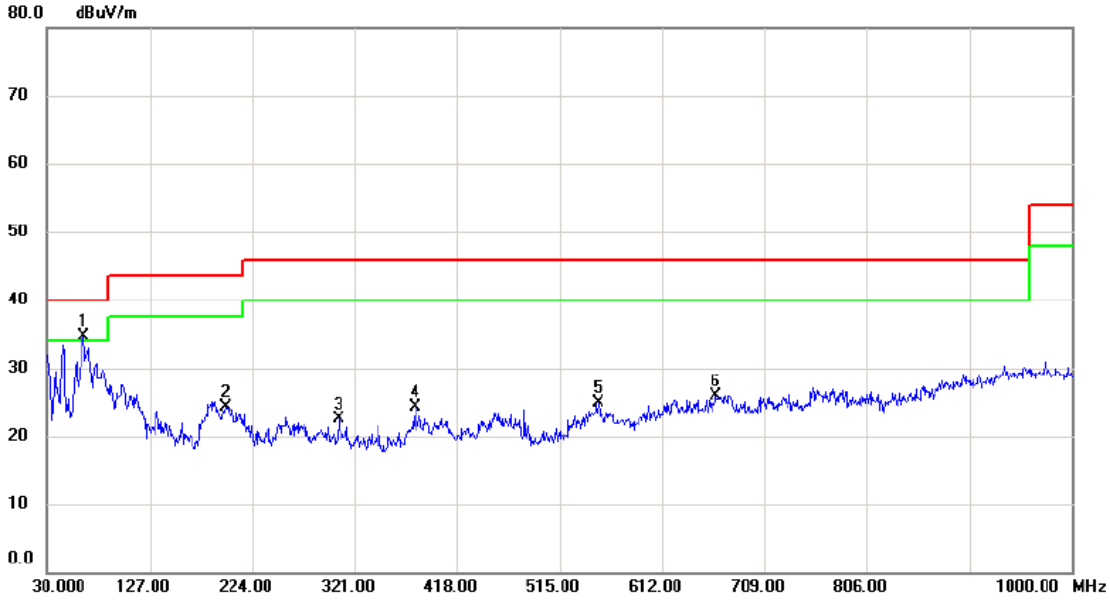
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	39.98	-13.89	26.09	40.00	-13.91	peak	
2		113.4200	39.30	-13.38	25.92	43.50	-17.58	peak	
3		266.6800	37.46	-12.07	25.39	46.00	-20.61	peak	
4		398.6000	30.66	-7.34	23.32	46.00	-22.68	peak	
5		569.3200	28.22	-4.63	23.59	46.00	-22.41	peak	
6		696.3900	27.66	-1.48	26.18	46.00	-19.82	peak	

Test Mode:	TX B MODE CHANNEL 11 _Secondary Supply_Adapter:Huntkey

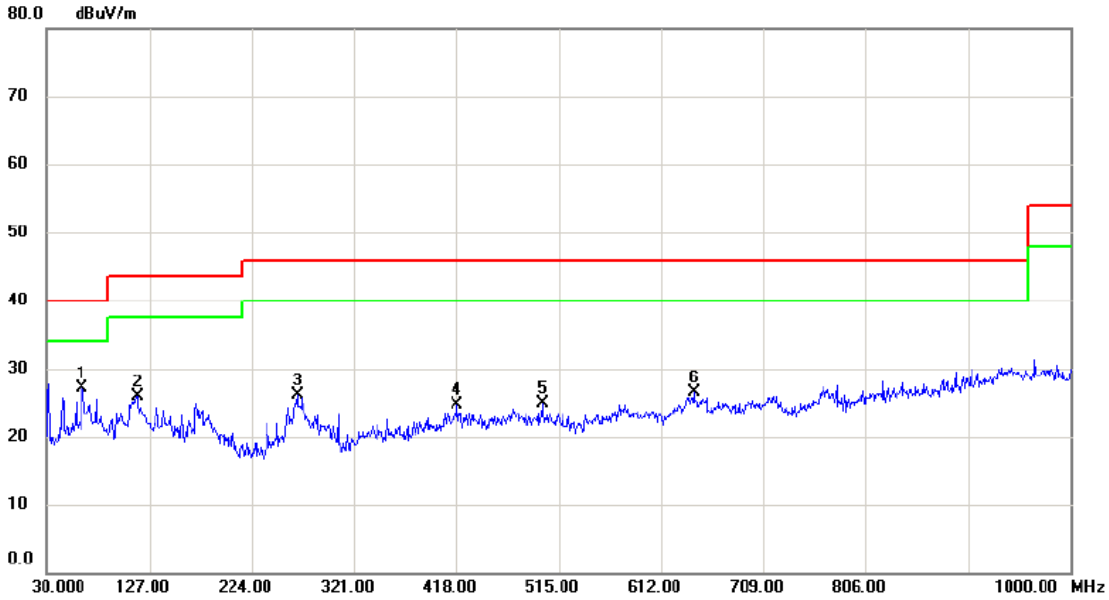
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	48.71	-13.96	34.75	40.00	-5.25	peak	
2		198.7800	37.74	-13.50	24.24	43.50	-19.26	peak	
3		305.4800	32.19	-9.63	22.56	46.00	-23.44	peak	
4		378.2300	32.81	-8.42	24.39	46.00	-21.61	peak	
5		551.8600	29.45	-4.62	24.83	46.00	-21.17	peak	
6		663.4100	27.58	-1.59	25.99	46.00	-20.01	peak	

Test Mode:	TX B MODE CHANNEL 11_Secondary Supply_Adapter:Huntkey

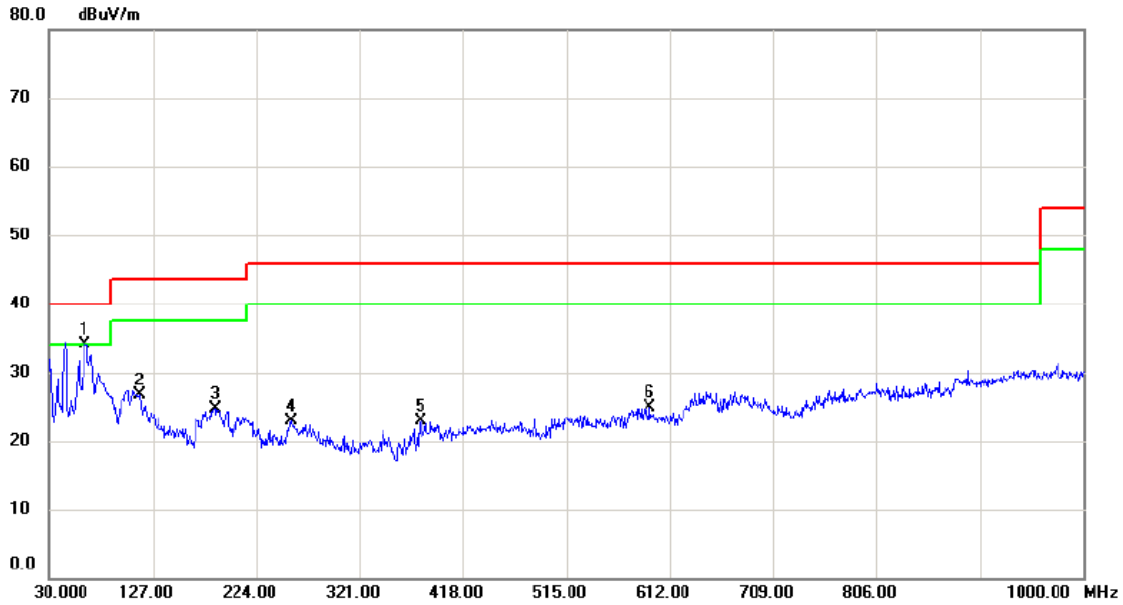
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	41.00	-13.89	27.11	40.00	-12.89	peak	
2		115.3600	39.11	-13.14	25.97	43.50	-17.53	peak	
3		266.6800	38.12	-12.07	26.05	46.00	-19.95	peak	
4		418.9700	31.48	-6.74	24.74	46.00	-21.26	peak	
5		499.4800	32.26	-7.37	24.89	46.00	-21.11	peak	
6		643.0400	28.57	-2.05	26.52	46.00	-19.48	peak	

Test Mode:	TX B MODE CHANNEL 01_Secondary Supply_Adapter:Acbel

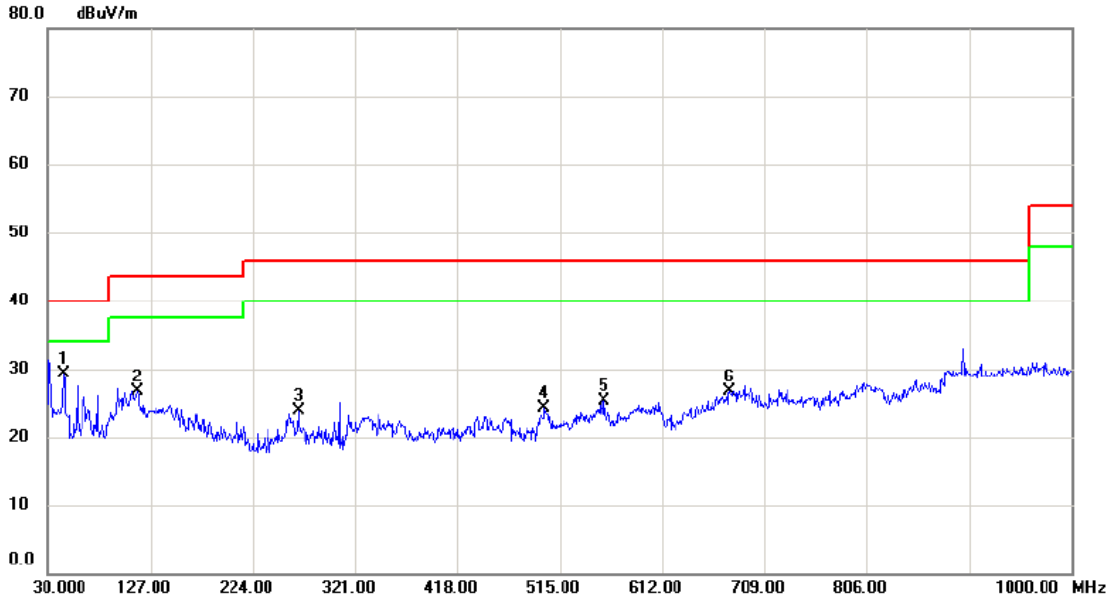
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	48.07	-13.89	34.18	40.00	-5.82	peak	
2		114.3900	40.00	-13.25	26.75	43.50	-16.75	peak	
3		185.2000	36.96	-12.26	24.70	43.50	-18.80	peak	
4		256.9800	35.52	-12.64	22.88	46.00	-23.12	peak	
5		378.2300	31.42	-8.42	23.00	46.00	-23.00	peak	
6		593.5700	29.51	-4.63	24.88	46.00	-21.12	peak	

Test Mode:	TX B MODE CHANNEL 01_Secondary Supply_Adapter:Acbel

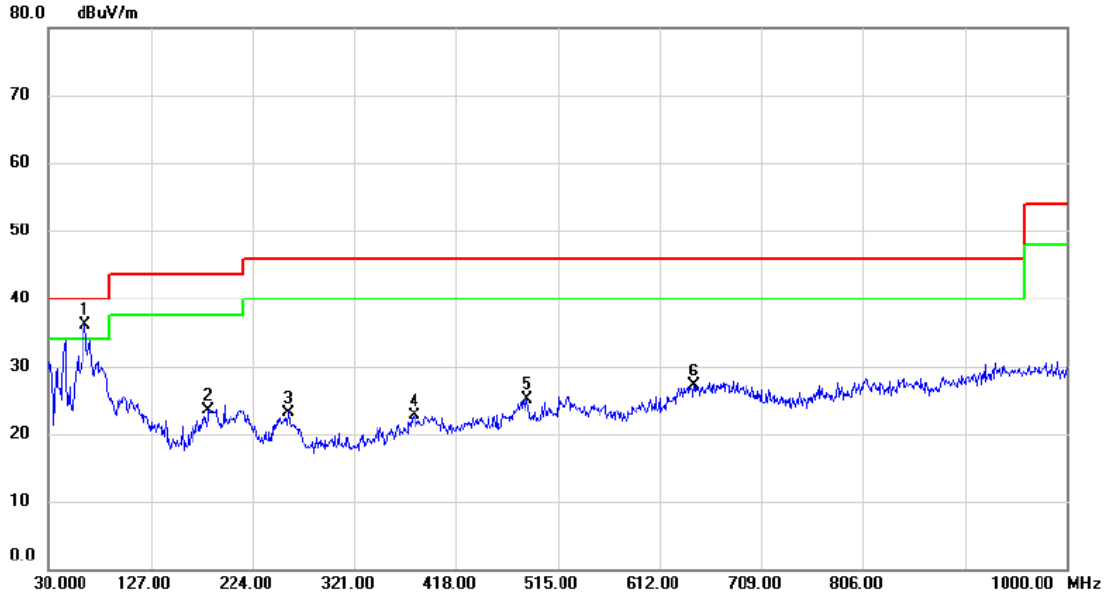
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	41.23	-11.94	29.29	40.00	-10.71	peak	
2		114.3900	39.96	-13.25	26.71	43.50	-16.79	peak	
3		266.6800	35.89	-12.07	23.82	46.00	-22.18	peak	
4		500.4500	31.72	-7.37	24.35	46.00	-21.65	peak	
5		557.6800	29.90	-4.62	25.28	46.00	-20.72	peak	
6		676.0200	28.34	-1.56	26.78	46.00	-19.22	peak	

Test Mode:	TX B MODE CHANNEL 06_Secondary Supply_Adapter:Acbel

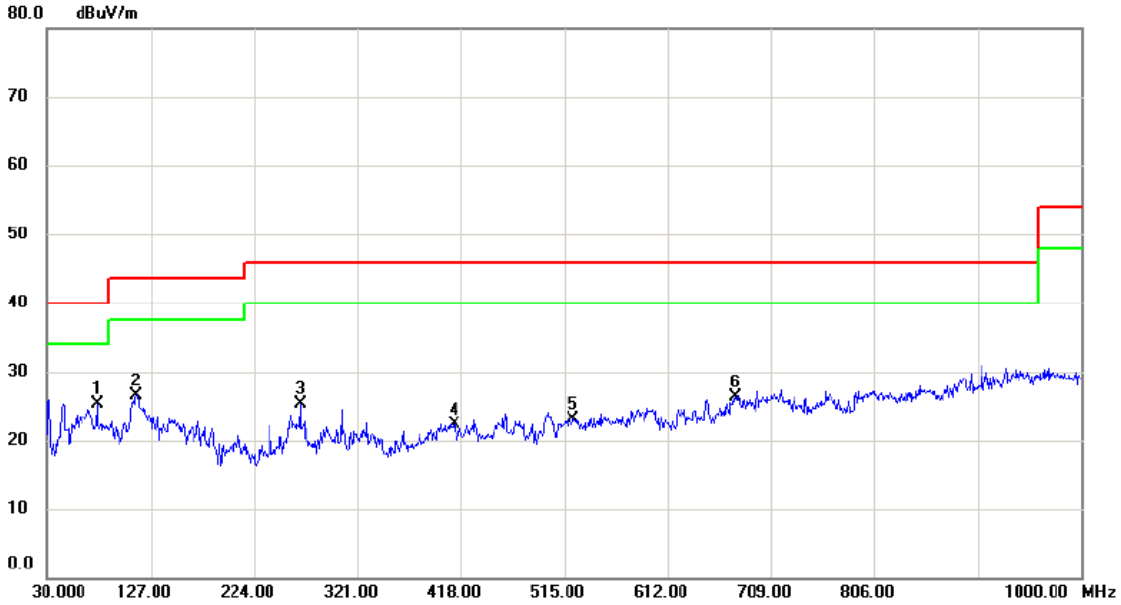
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	50.09	-13.96	36.13	40.00	-3.87	peak	
2		182.2900	35.34	-11.82	23.52	43.50	-19.98	peak	
3		257.9500	35.73	-12.64	23.09	46.00	-22.91	peak	
4		378.2300	31.12	-8.42	22.70	46.00	-23.30	peak	
5		485.9000	32.13	-6.97	25.16	46.00	-20.84	peak	
6		644.9800	29.02	-1.94	27.08	46.00	-18.92	peak	

Test Mode:	TX B MODE CHANNEL 06_Secondary Supply_Adapter:Acbel

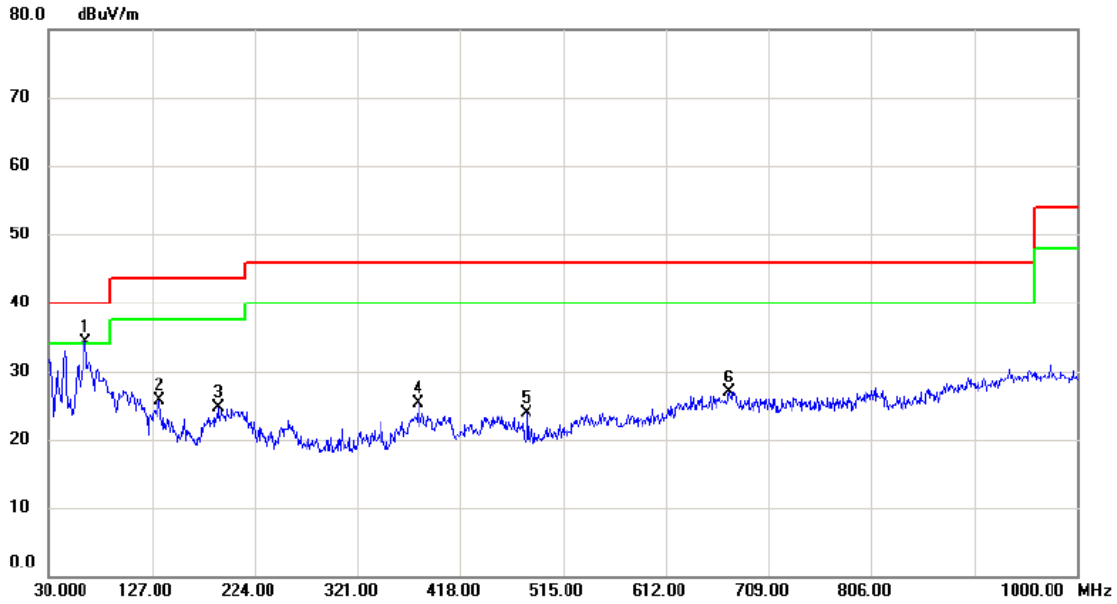
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	76.5600	40.69	-15.40	25.29	40.00	-14.71	peak	
2		113.4200	39.80	-13.38	26.42	43.50	-17.08	peak	
3		266.6800	37.46	-12.07	25.39	46.00	-20.61	peak	
4		412.1800	29.19	-6.92	22.27	46.00	-23.73	peak	
5		523.7300	29.23	-6.08	23.15	46.00	-22.85	peak	
6		676.0200	27.79	-1.56	26.23	46.00	-19.77	peak	

Test Mode:	TX B MODE CHANNEL 11_Secondary Supply_Adapter:Acbel

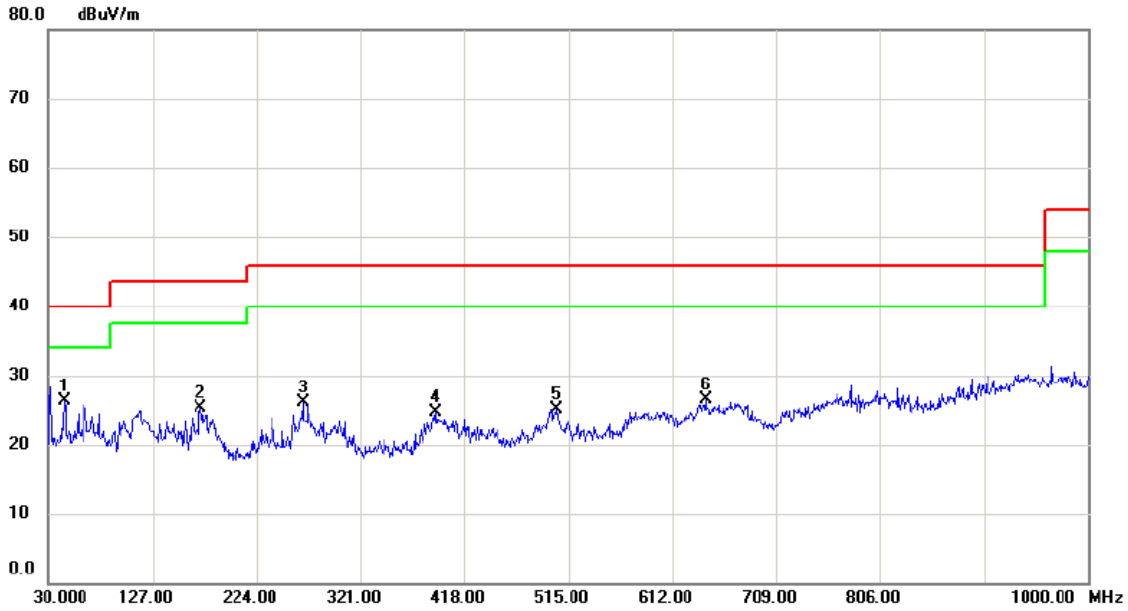
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	48.21	-13.96	34.25	40.00	-5.75	peak	
2		133.7900	37.23	-11.53	25.70	43.50	-17.80	peak	
3		189.0800	37.59	-12.85	24.74	43.50	-18.76	peak	
4		378.2300	33.81	-8.42	25.39	46.00	-20.61	peak	
5		481.0500	30.71	-6.82	23.89	46.00	-22.11	peak	
6		672.1400	28.52	-1.57	26.95	46.00	-19.05	peak	

Test Mode:	TX B MODE CHANNEL 11_Secondary Supply_Adapter:Acbel

Horizontal

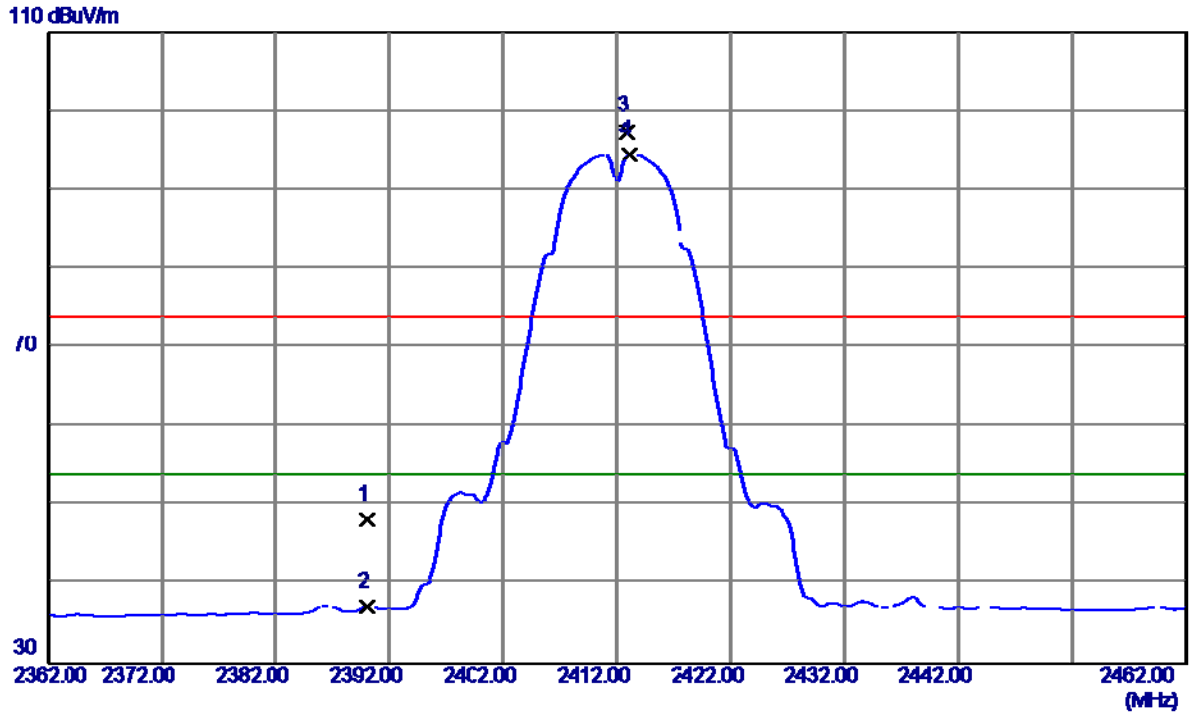


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	38.16	-11.94	26.22	40.00	-13.78	peak	
2		171.6200	36.50	-11.17	25.33	43.50	-18.17	peak	
3		266.6800	38.12	-12.07	26.05	46.00	-19.95	peak	
4		391.8100	32.33	-7.70	24.63	46.00	-21.37	peak	
5		504.3300	32.23	-7.14	25.09	46.00	-20.91	peak	
6		643.0400	28.57	-2.05	26.52	46.00	-19.48	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

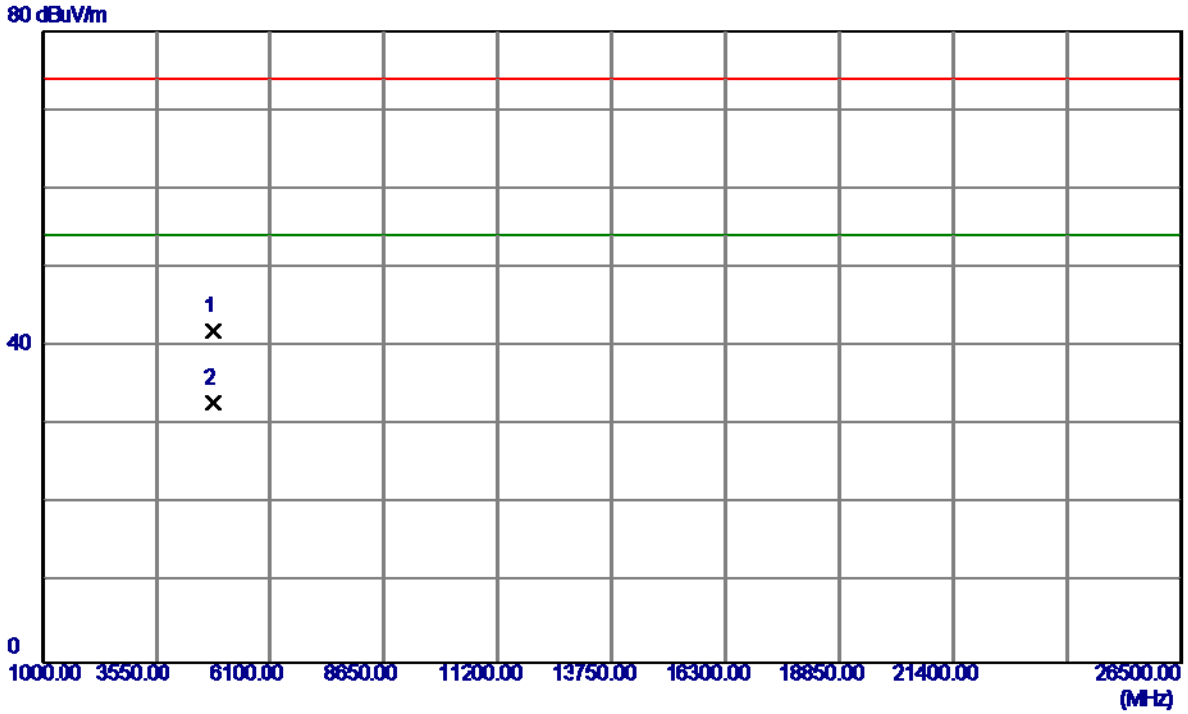
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	19.15	29.02	48.17	74.00	-25.83	Peak	
2	2390.0000	8.24	29.02	37.26	54.00	-16.74	AVG	
3	2412.9000	68.39	29.05	97.44	74.00	23.44	Peak	NO LIMIT
4	2413.1000	65.49	29.05	94.54	54.00	40.54	AVG	NO LIMIT

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

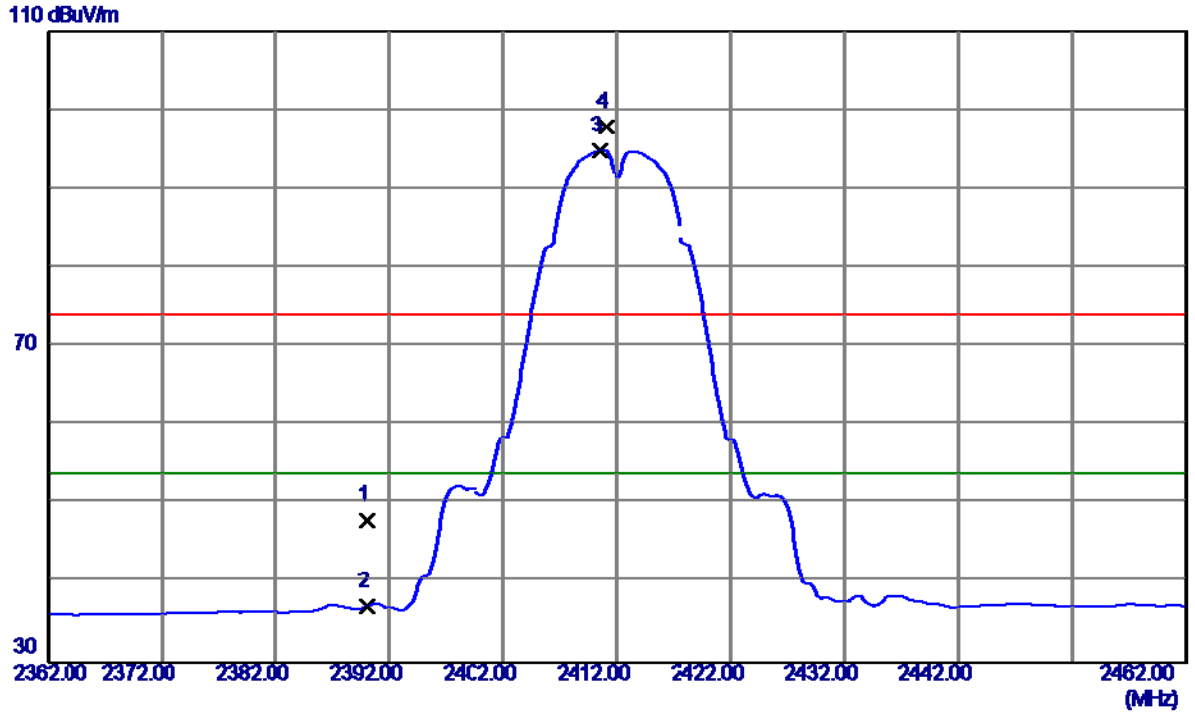
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824.0000	43.69	-1.78	41.91	74.00	-32.09	Peak	
2	4824.0050	34.61	-1.78	32.83	54.00	-21.17	AVG	

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

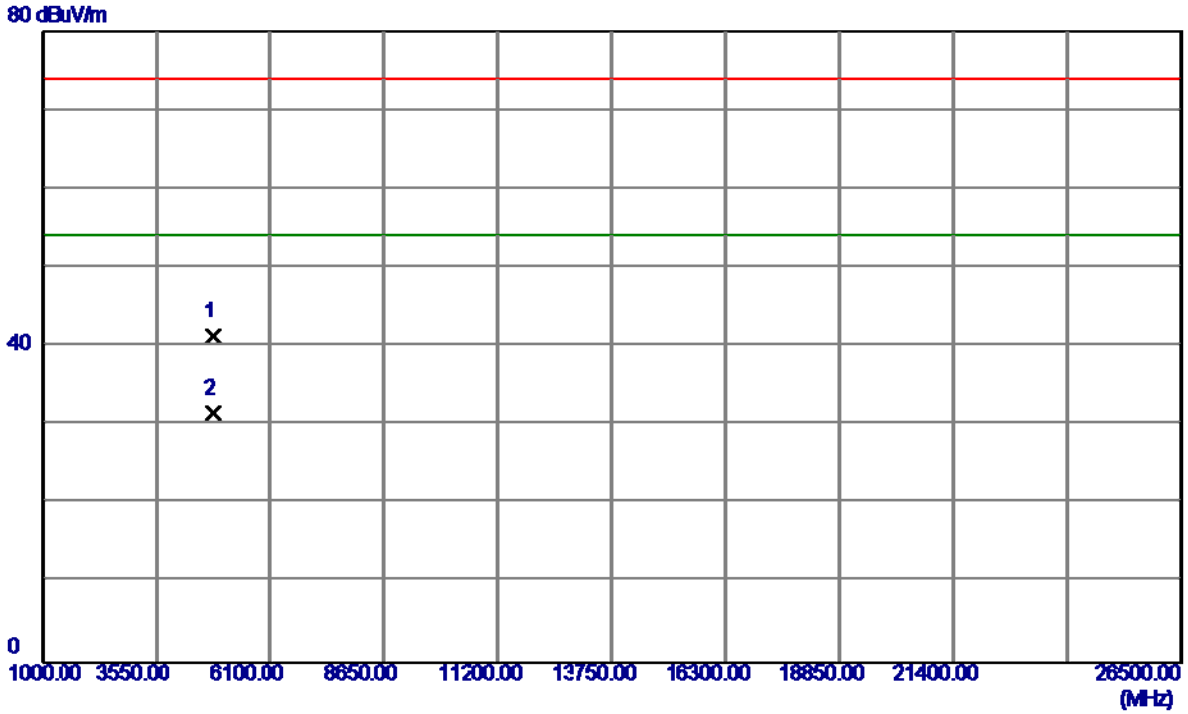
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	18.93	29.02	47.95	74.00	-26.05	Peak	
2	2390.0000	8.05	29.02	37.07	54.00	-16.93	AVG	
3	2410.6000	65.72	29.05	94.77	54.00	40.77	AVG	NO LIMIT
4	2411.1000	68.71	29.05	97.76	74.00	23.76	Peak	NO LIMIT

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

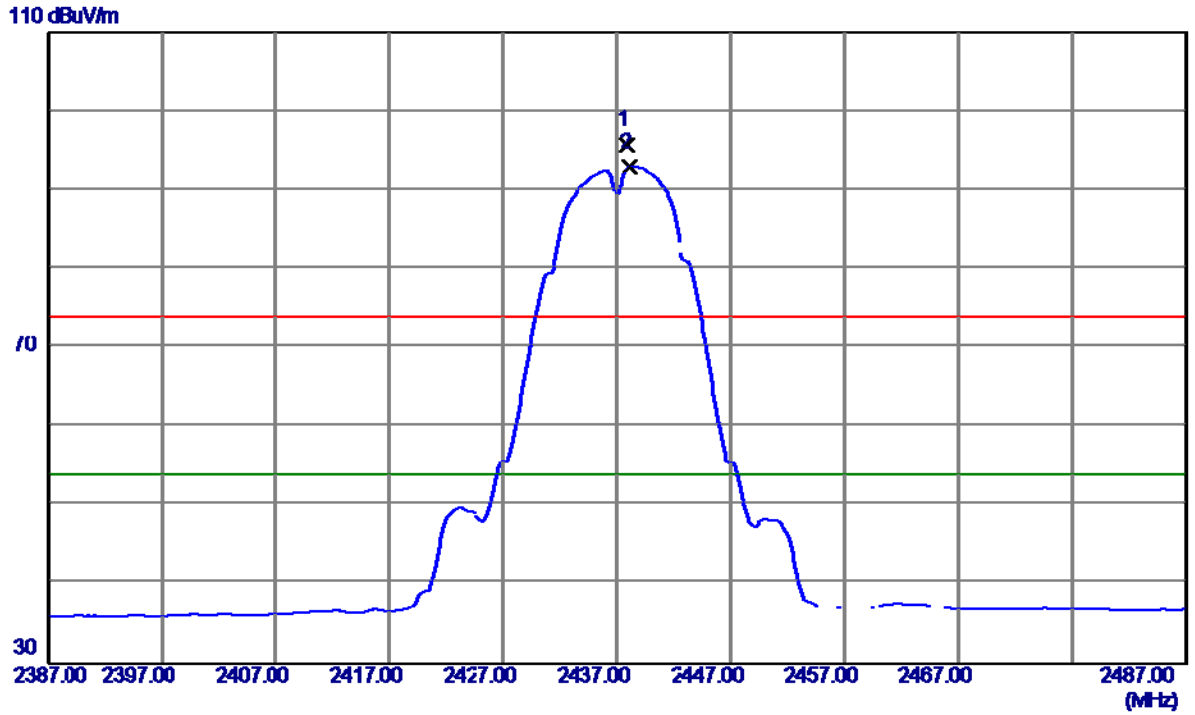
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9900	43.07	-1.78	41.29	74.00	-32.71	Peak	
2	4824.0050	33.28	-1.78	31.50	54.00	-22.50	AVG	

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

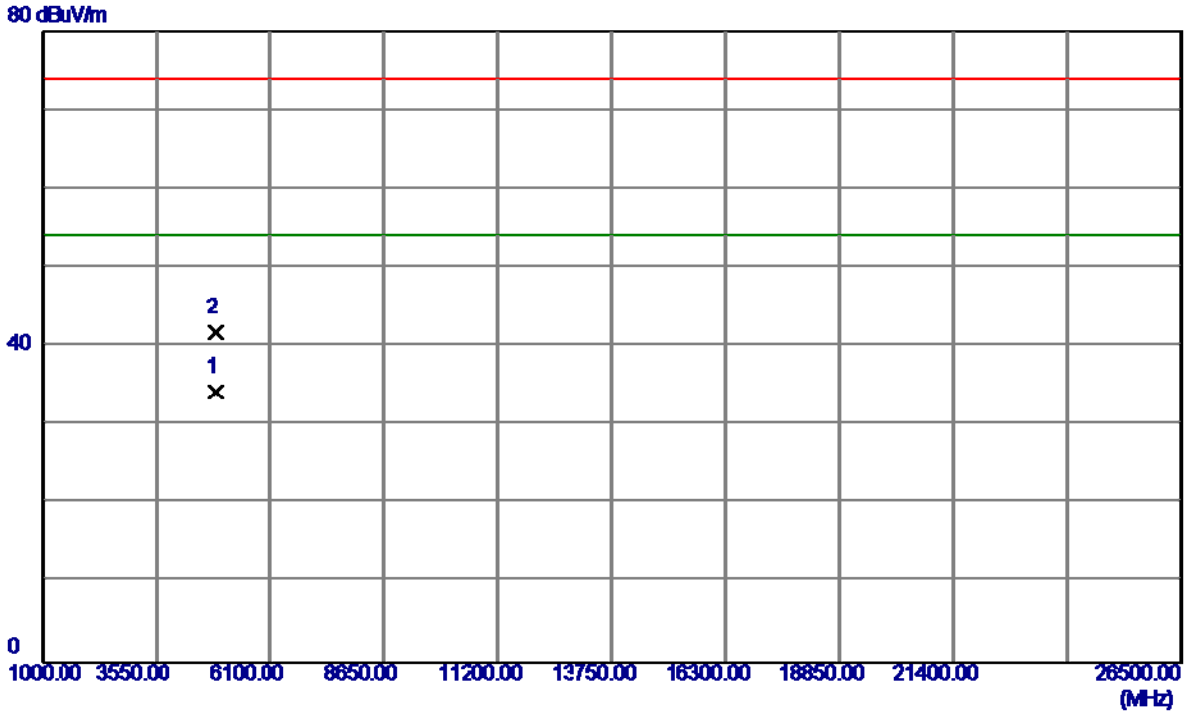
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2437.9000	66.74	29.08	95.82	74.00	21.82	Peak	NO LIMIT
2	2438.1000	63.83	29.08	92.91	54.00	38.91	AVG	NO LIMIT

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

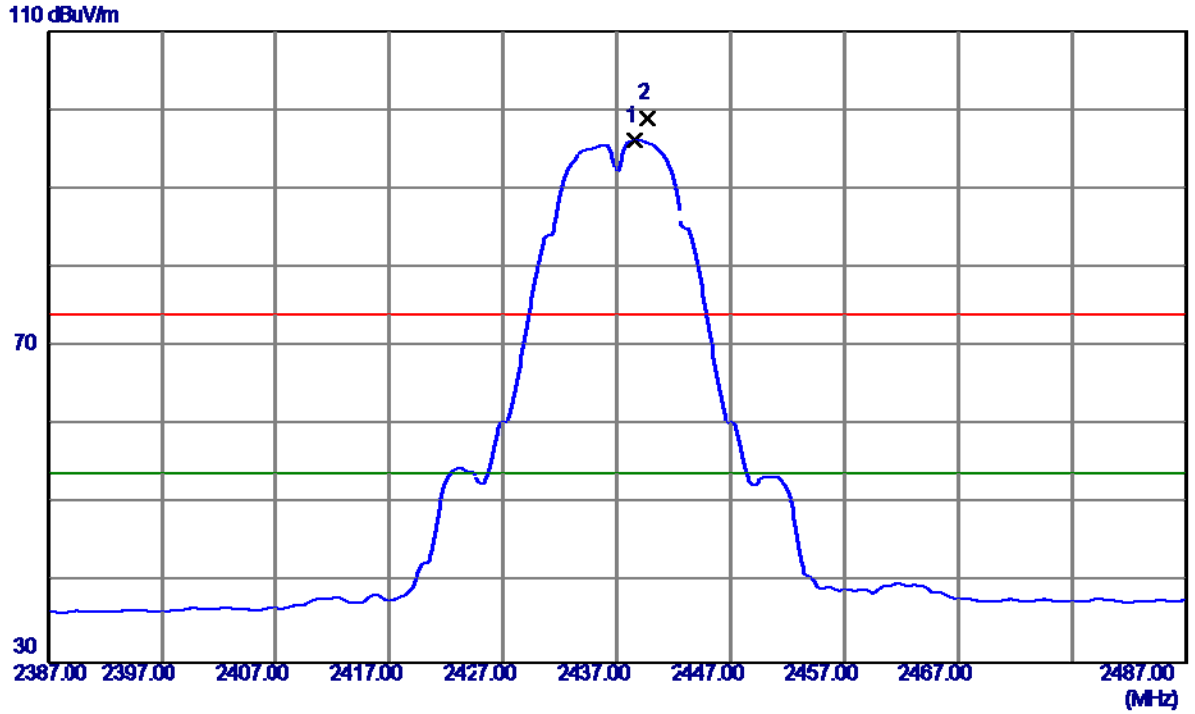
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.9950	36.01	-1.72	34.29	54.00	-19.71	AVG	
2	4874.0050	43.52	-1.72	41.80	74.00	-32.20	Peak	

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

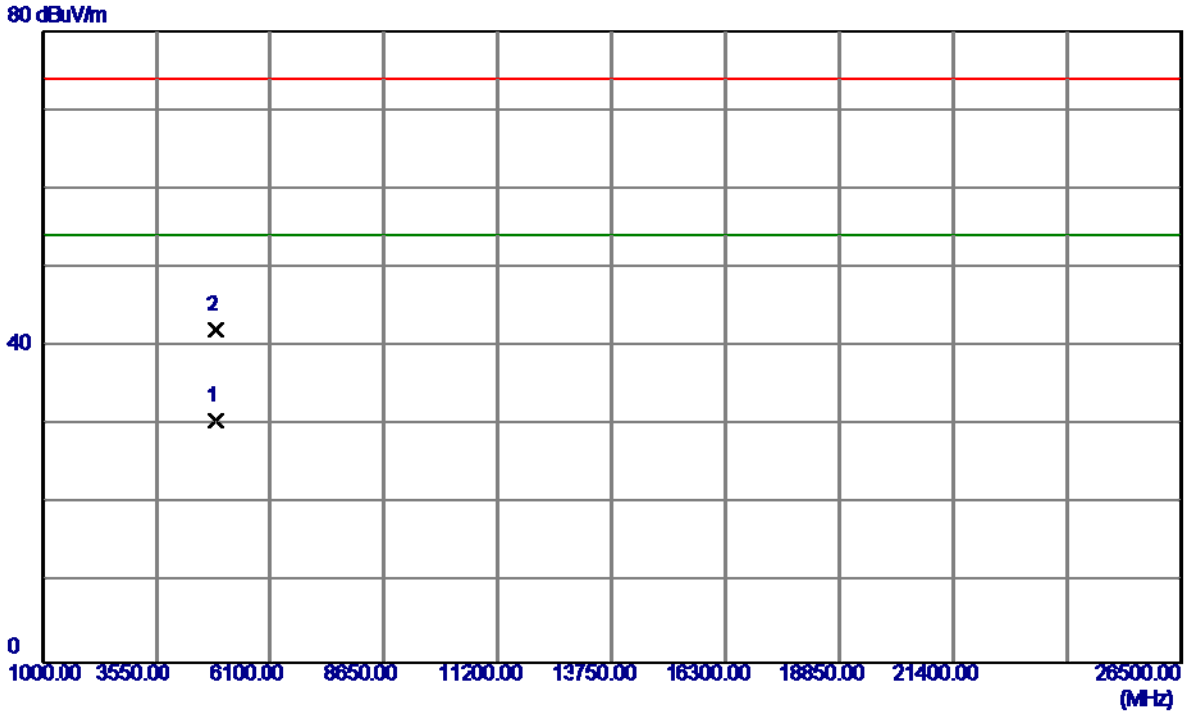
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.6000	66.98	29.08	96.06	54.00	42.06	AVG	NO LIMIT
2	2439.7000	69.90	29.08	98.98	74.00	24.98	Peak	NO LIMIT

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

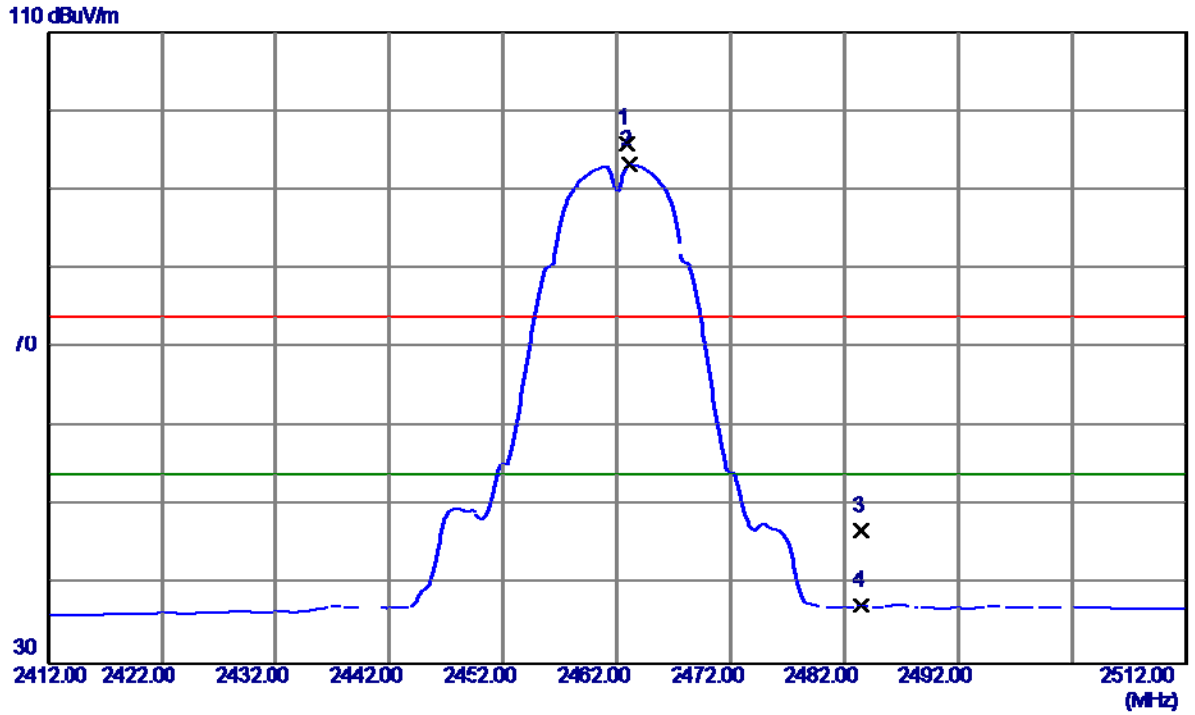
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.9950	32.34	-1.72	30.62	54.00	-23.38	AVG	
2	4874.0200	43.73	-1.72	42.01	74.00	-31.99	Peak	

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

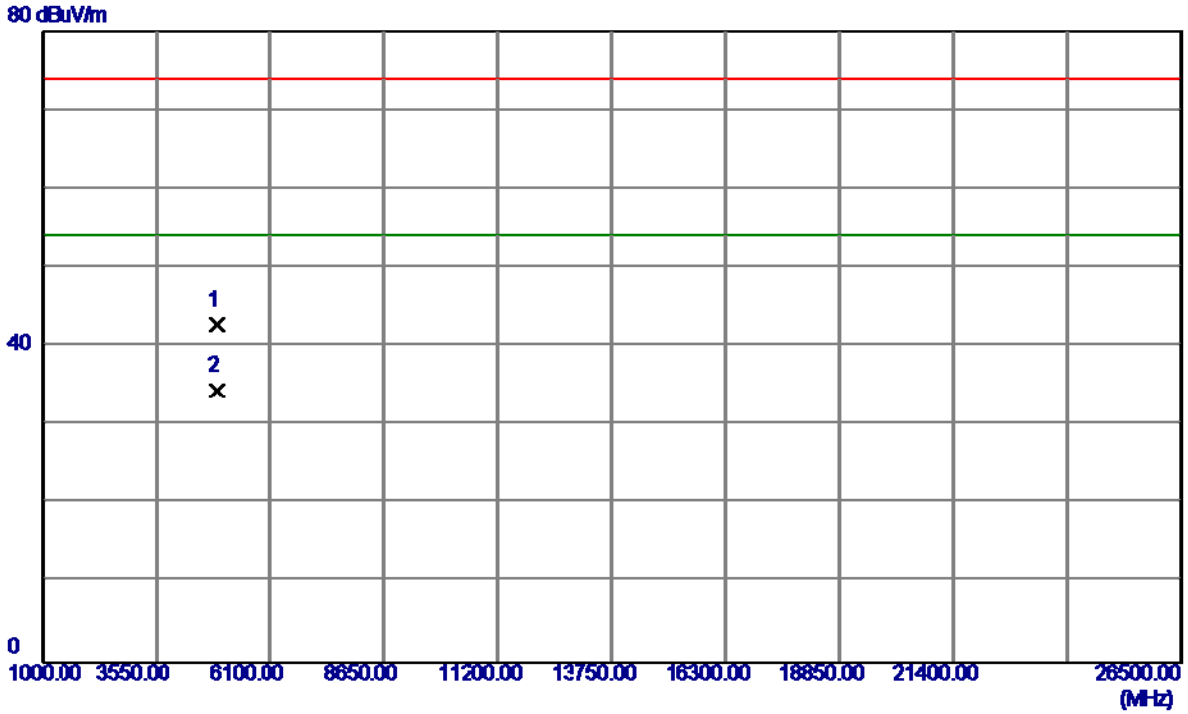
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2462.9000	66.88	29.11	95.99	74.00	21.99	Peak	NO LIMIT
2	2463.1000	64.02	29.11	93.13	54.00	39.13	AVG	NO LIMIT
3	2483.5000	17.66	29.14	46.80	74.00	-27.20	Peak	
4	2483.5000	8.26	29.14	37.40	54.00	-16.60	AVG	

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

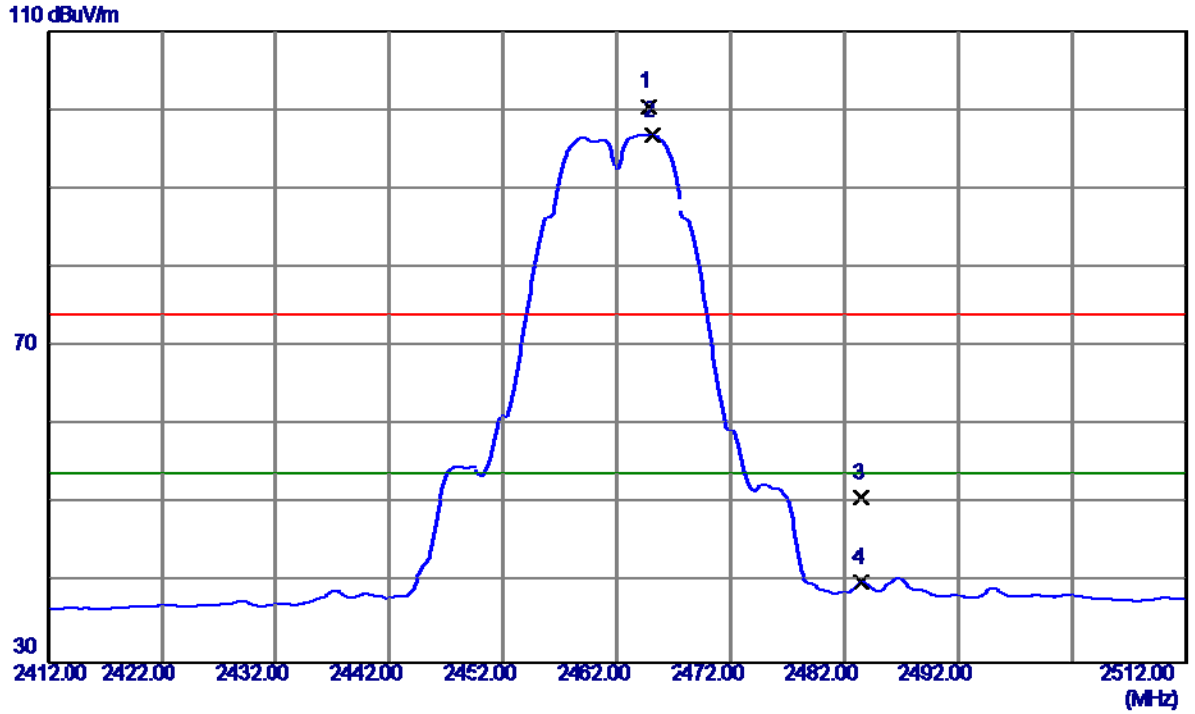
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.9500	44.39	-1.65	42.74	74.00	-31.26	Peak	
2	4923.9950	35.98	-1.65	34.33	54.00	-19.67	AVG	

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

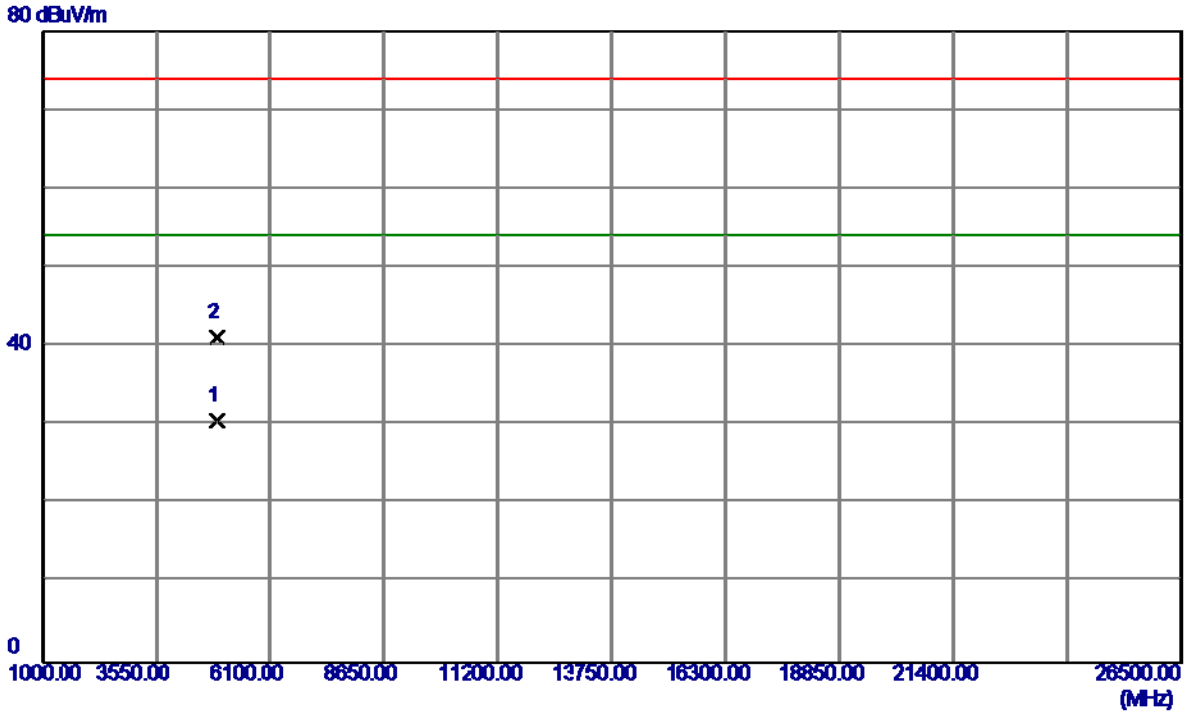
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2464.8000	71.30	29.11	100.41	74.00	26.41	Peak	NO LIMIT
2	2465.1000	67.60	29.11	96.71	54.00	42.71	AVG	NO LIMIT
3	2483.5000	21.60	29.14	50.74	74.00	-23.26	Peak	
4	2483.5000	10.94	29.14	40.08	54.00	-13.92	AVG	

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

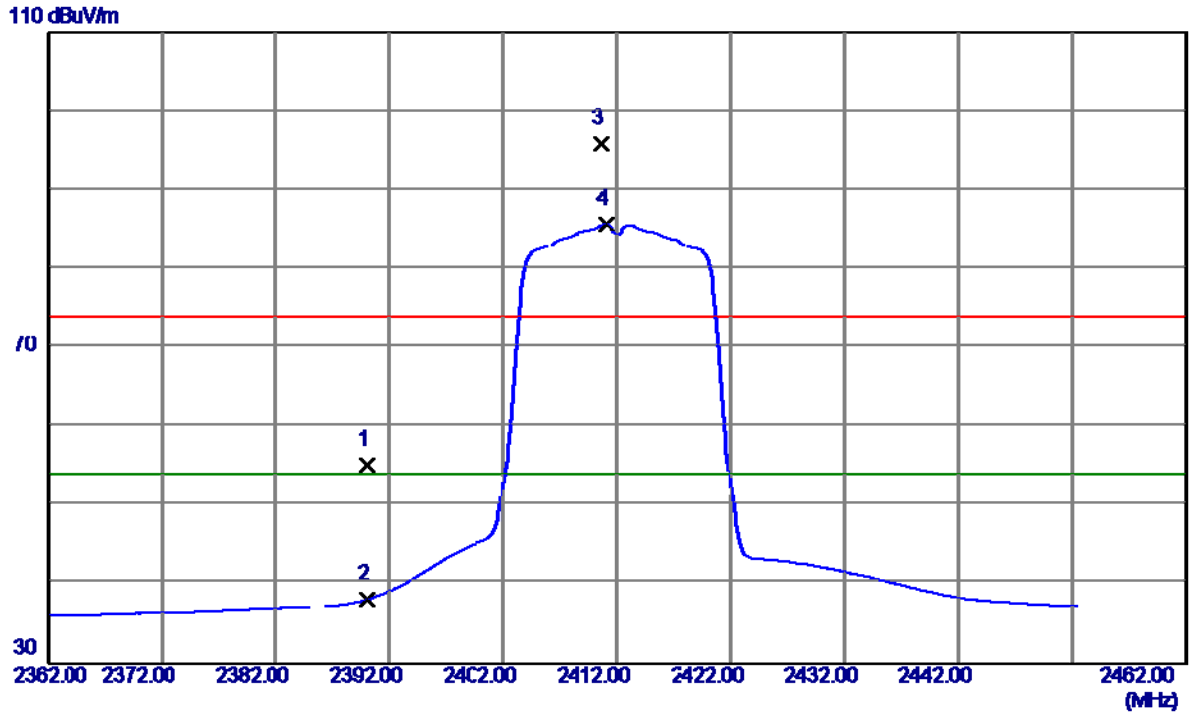
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.9950	32.26	-1.65	30.61	54.00	-23.39	AVG	
2	4924.0250	42.80	-1.65	41.15	74.00	-32.85	Peak	

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

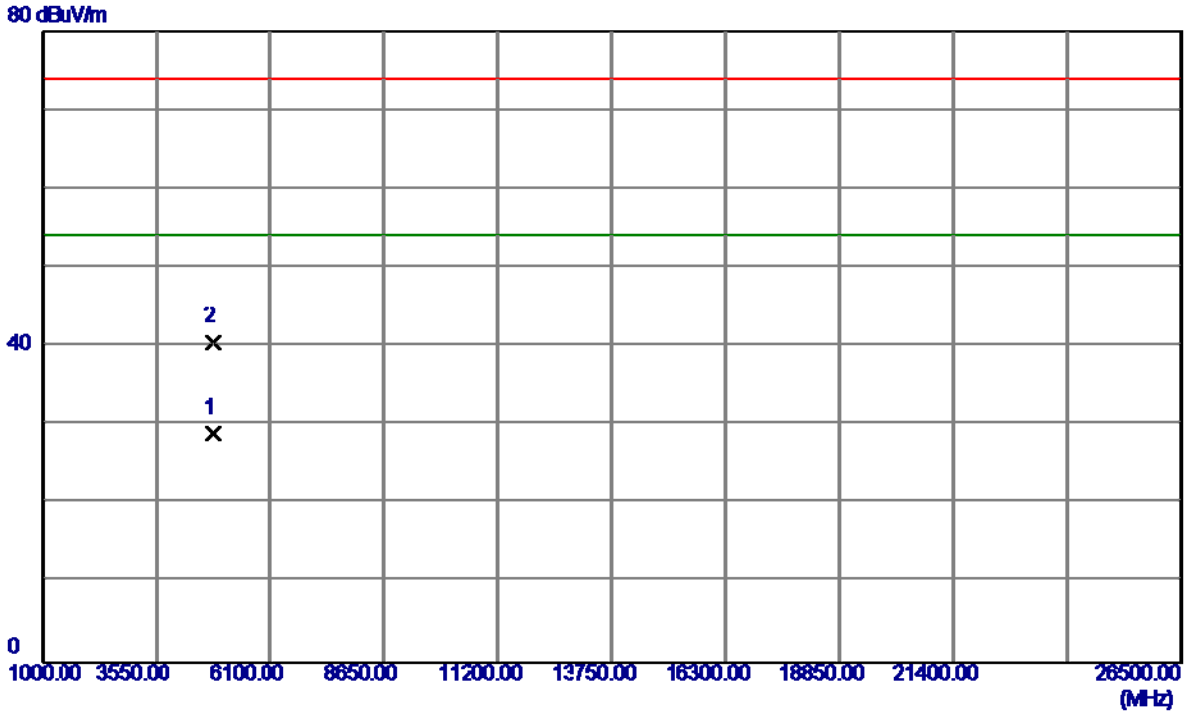
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	26.09	29.02	55.11	74.00	-18.89	Peak	
2	2390.0000	9.13	29.02	38.15	54.00	-15.85	AVG	
3	2410.7000	66.83	29.05	95.88	74.00	21.88	Peak	NO LIMIT
4	2411.1000	56.61	29.05	85.66	54.00	31.66	AVG	NO LIMIT

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

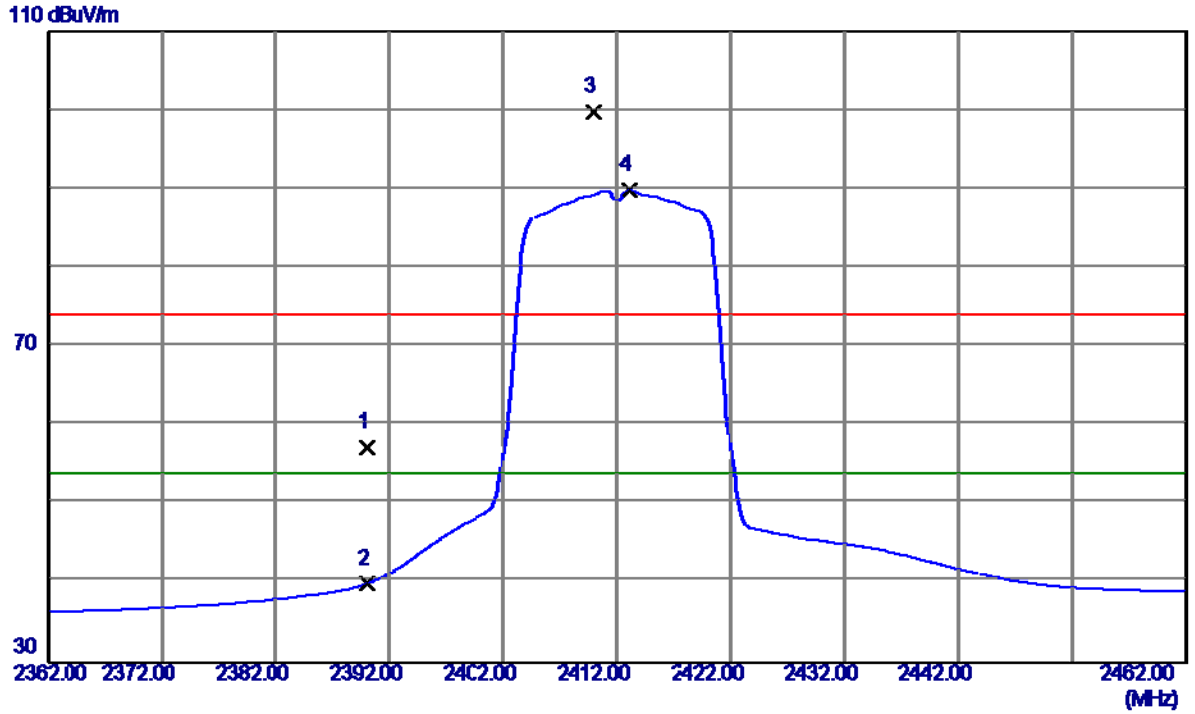
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9750	30.70	-1.78	28.92	54.00	-25.08	AVG	
2	4824.0299	42.34	-1.78	40.56	74.00	-33.44	Peak	

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

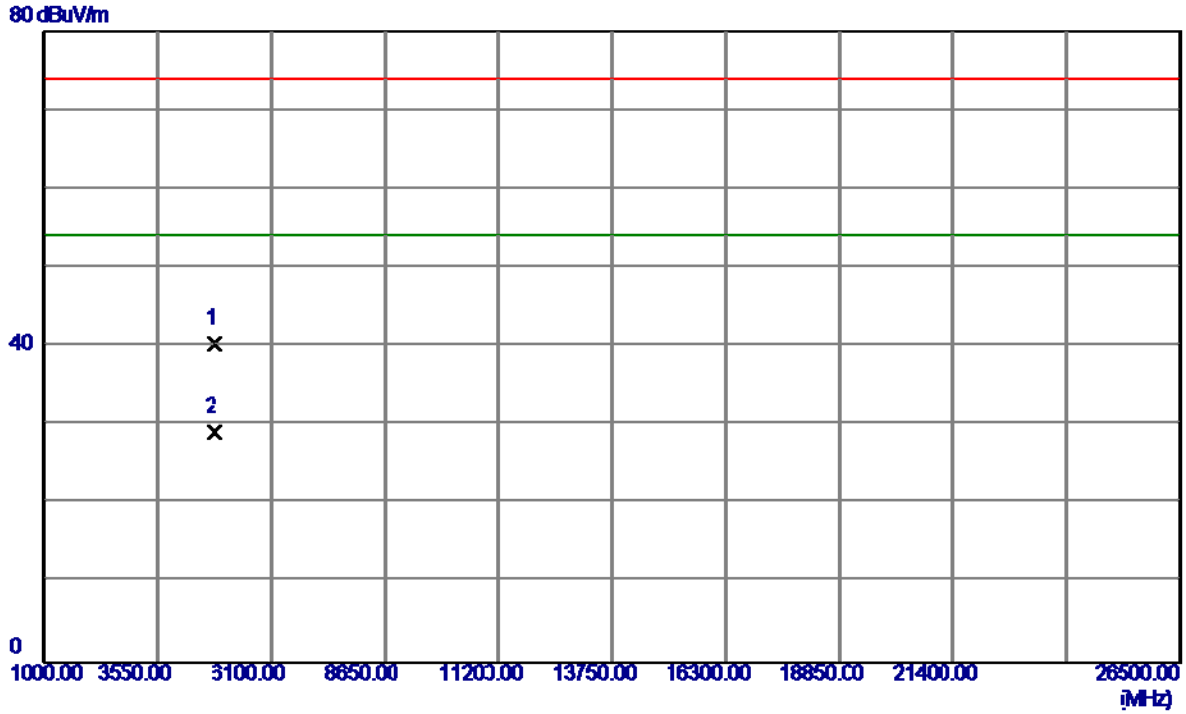
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	28.14	29.02	57.16	74.00	-16.84	Peak	
2	2390.0000	10.90	29.02	39.92	54.00	-14.08	AVG	
3	2410.0000	70.77	29.04	99.81	74.00	25.81	Peak	NO LIMIT
4	2413.1000	60.73	29.05	89.78	54.00	35.78	AVG	NO LIMIT

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

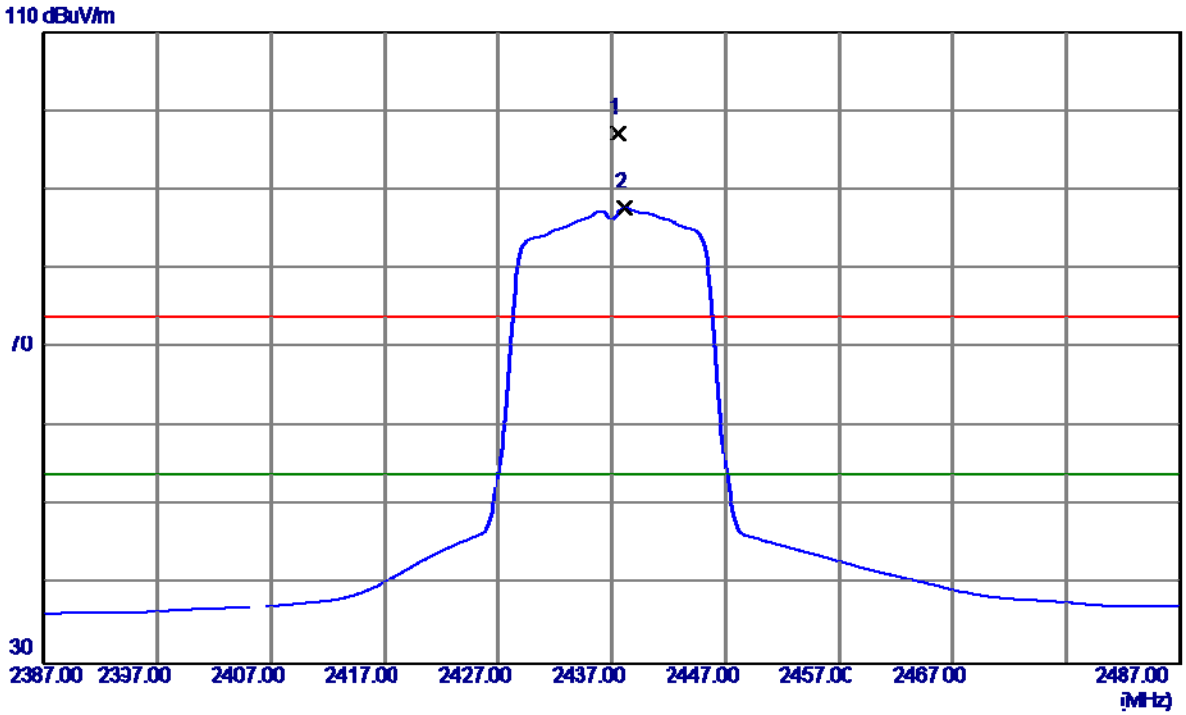
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9500	42.07	-1.78	40.29	74.00	-33.71	Peak	
2	4823.9750	30.83	-1.78	29.05	54.00	-24.95	AVG	

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

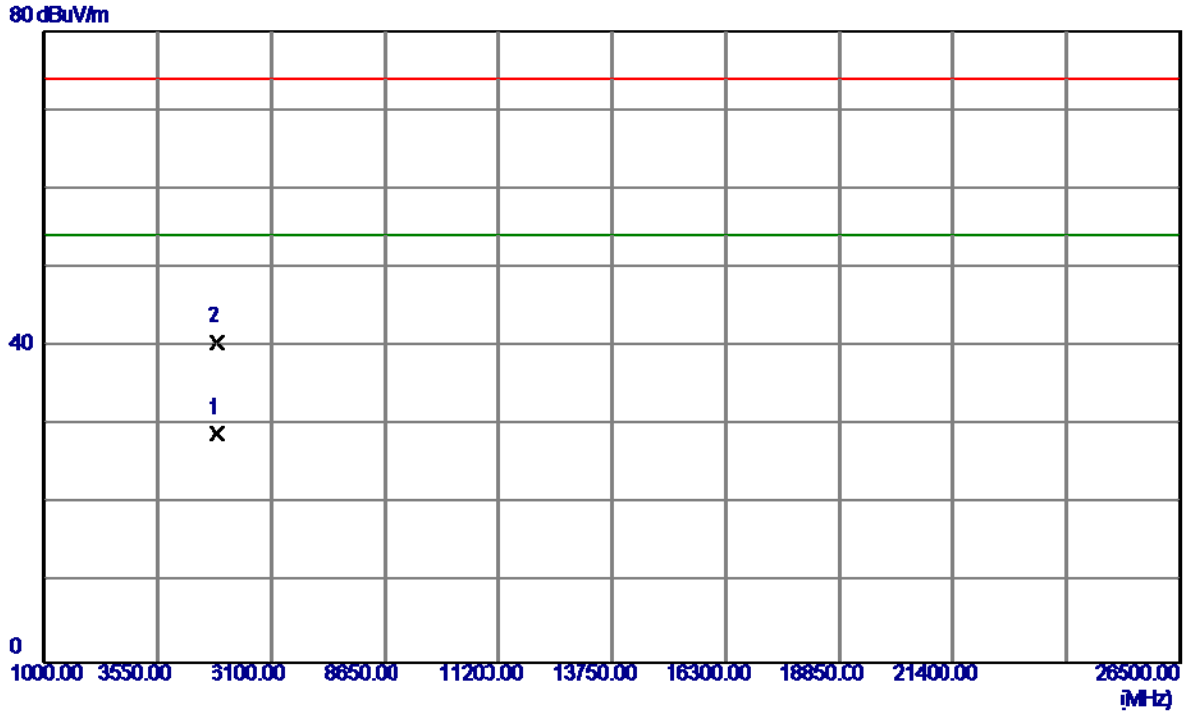
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2437.6000	68.15	29.08	97.23	74.00	23.23	Peak	NO LIMIT
2	2438.1000	58.63	29.08	87.71	54.00	33.71	AVG	NO LIMIT

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

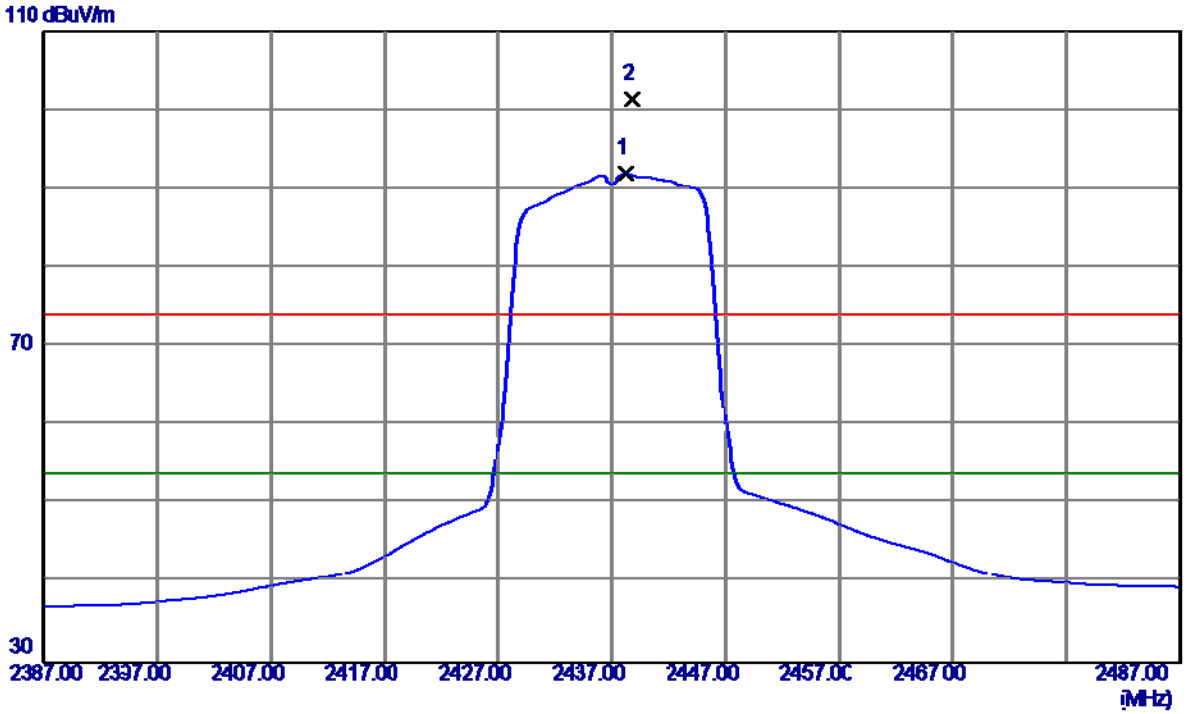
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.0530	30.63	-1.71	28.92	54.00	-25.08	AVG	
2	4874.2190	42.27	-1.71	40.56	74.00	-33.44	Peak	

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

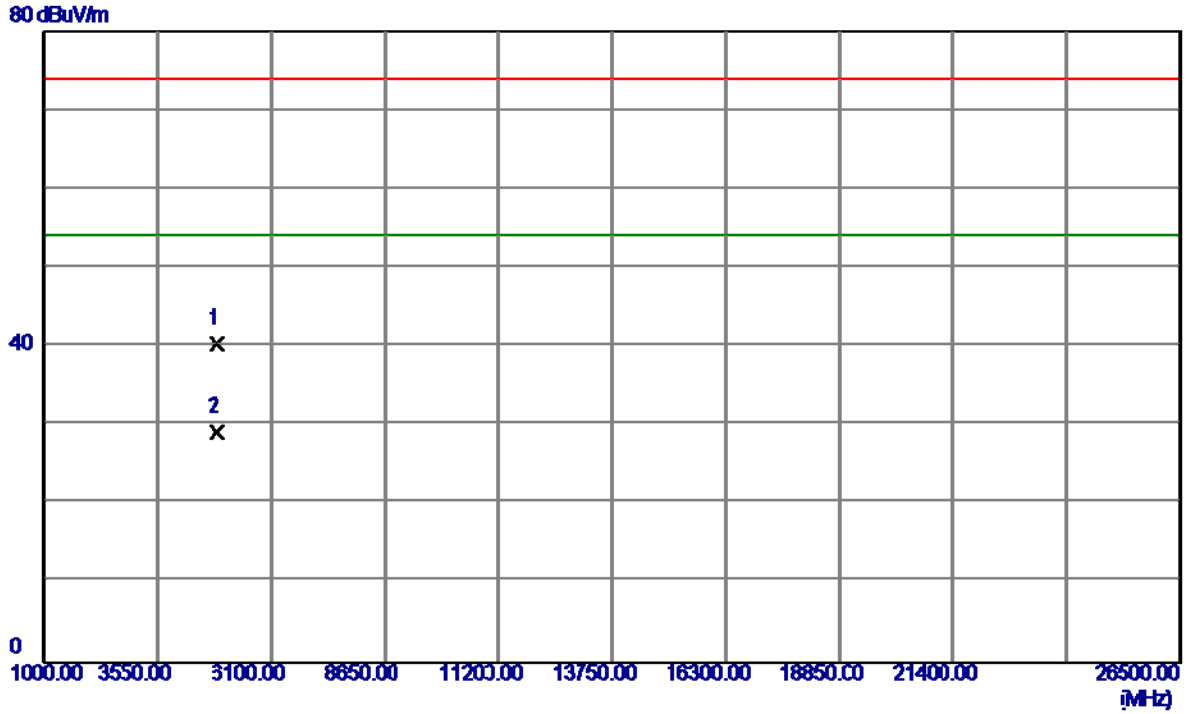
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.2000	62.78	29.08	91.86	54.00	37.86	AVG	NO LIMIT
2	2438.8000	72.25	29.08	101.33	74.00	27.33	Peak	NO LIMIT

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

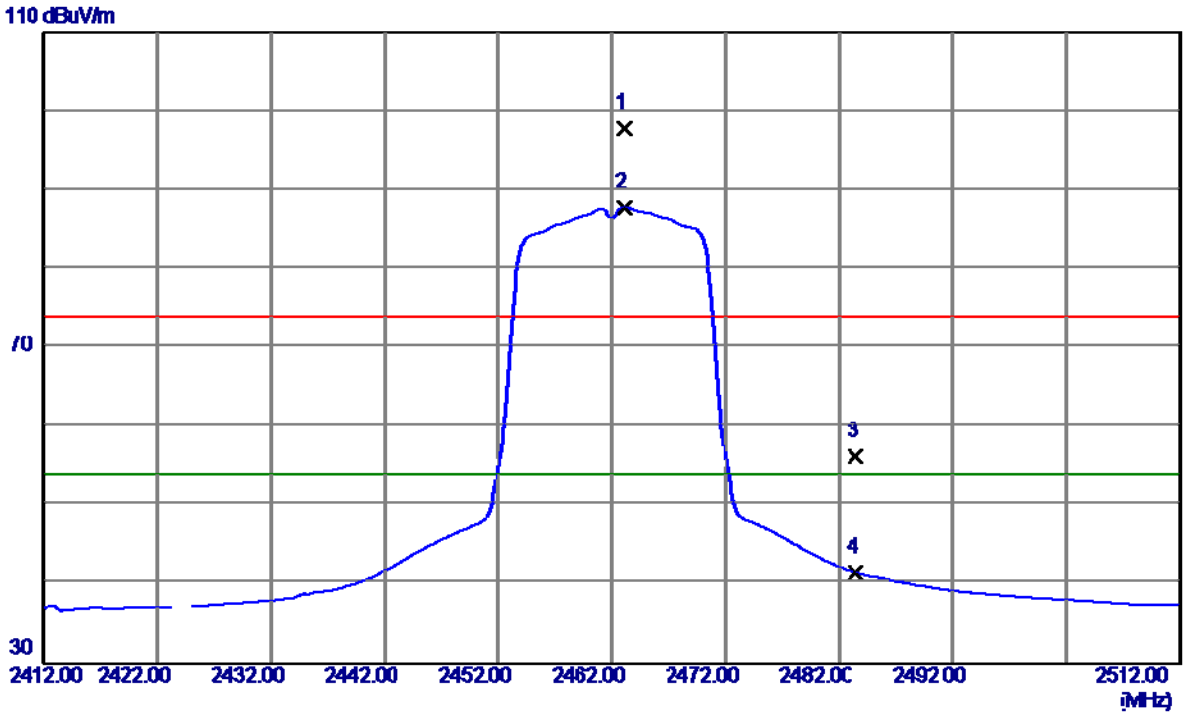
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.3500	42.00	-1.71	40.29	74.00	-33.71	Peak	
2	4874.1050	30.76	-1.71	29.05	54.00	-24.95	AVG	

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

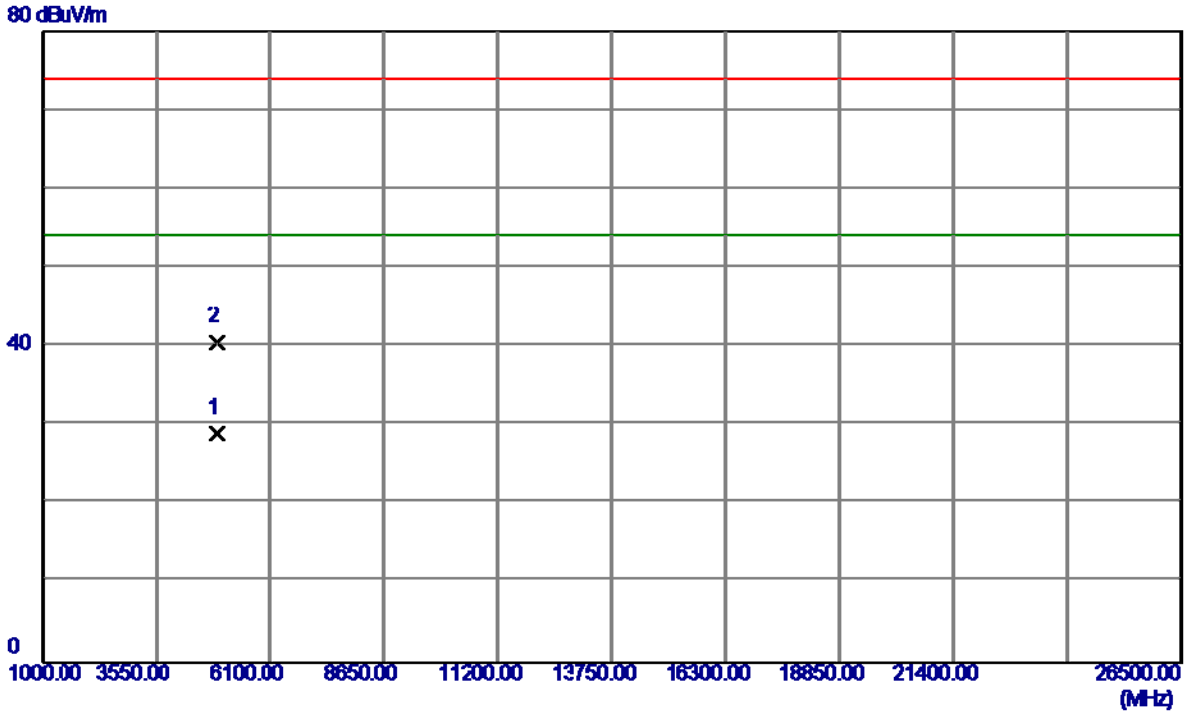
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463.1000	68.75	29.11	97.86	74.00	23.86	Peak	NO LIMIT
2	2463.1000	58.73	29.11	87.84	54.00	33.84	AVG	NO LIMIT
3	2483.5000	27.11	29.14	56.25	74.00	-17.75	Peak	
4	2483.5000	12.39	29.14	41.53	54.00	-12.47	AVG	

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

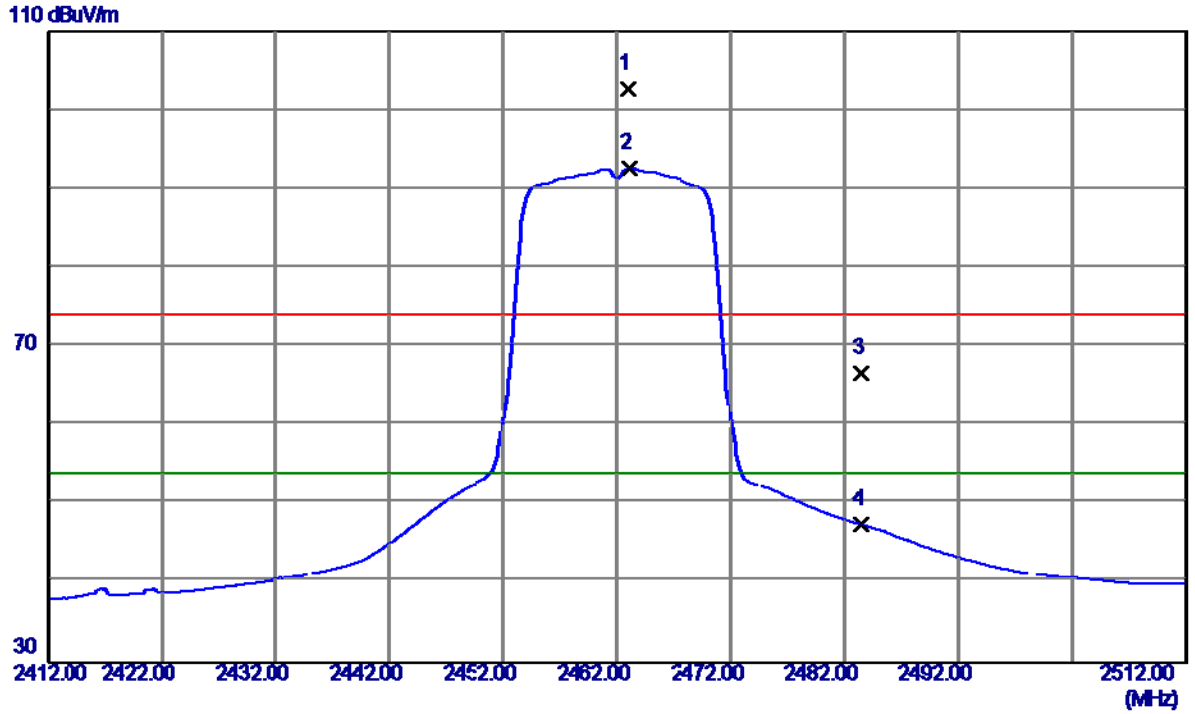
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.9610	30.57	-1.65	28.92	54.00	-25.08	AVG	
2	4924.0379	42.21	-1.65	40.56	74.00	-33.44	Peak	

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

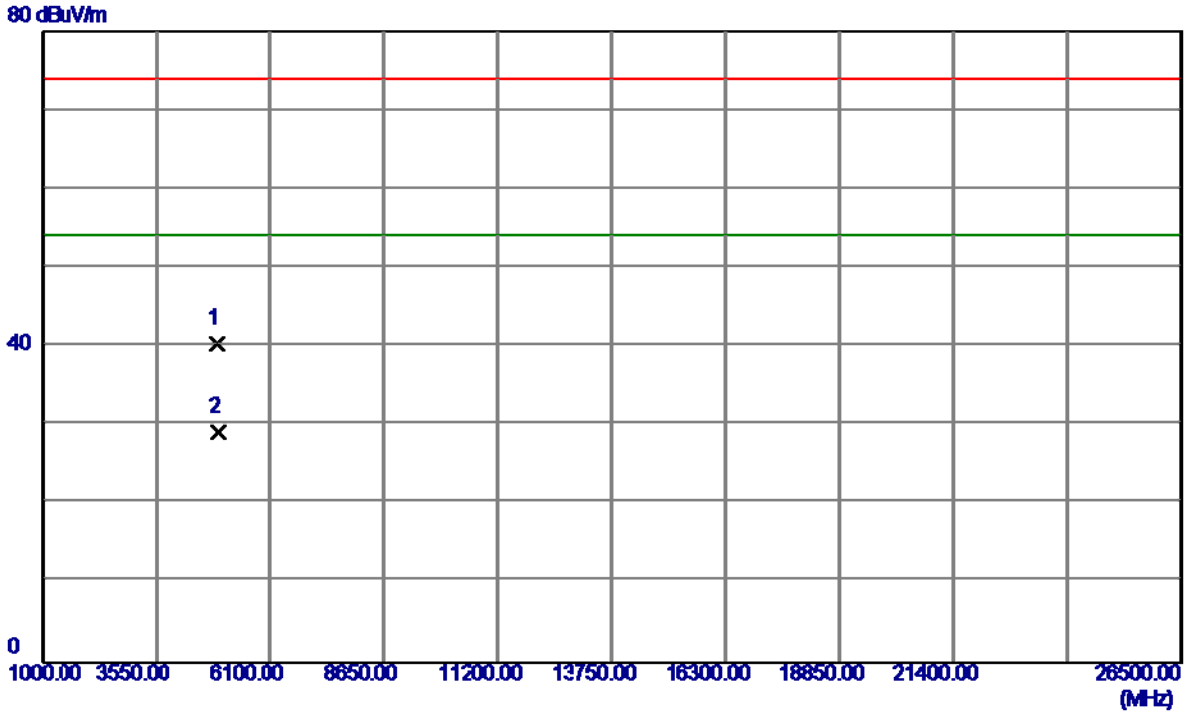
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463.0000	73.46	29.11	102.57	74.00	28.57	Peak	NO LIMIT
2	2463.1000	63.52	29.11	92.63	54.00	38.63	AVG	NO LIMIT
3	2483.5000	37.46	29.14	66.60	74.00	-7.40	Peak	
4	2483.5000	18.26	29.14	47.40	54.00	-6.60	AVG	

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

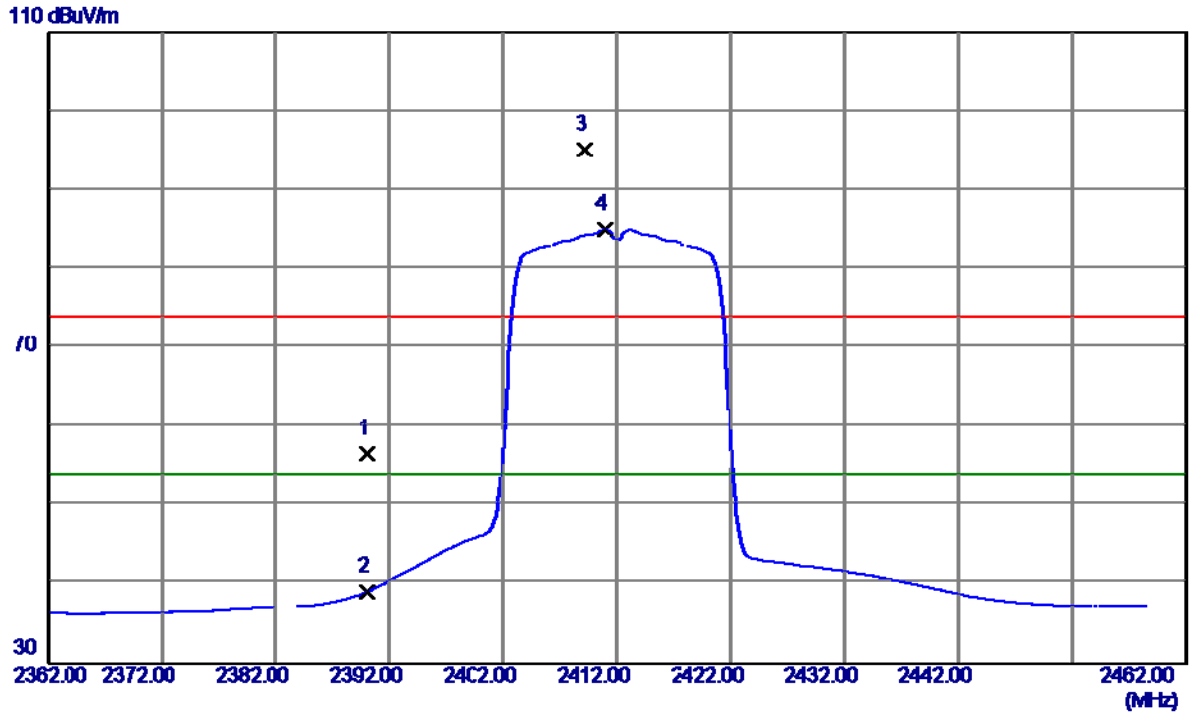
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.1600	41.94	-1.65	40.29	74.00	-33.71	Peak	
2	4924.3050	30.70	-1.65	29.05	54.00	-24.95	AVG	

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

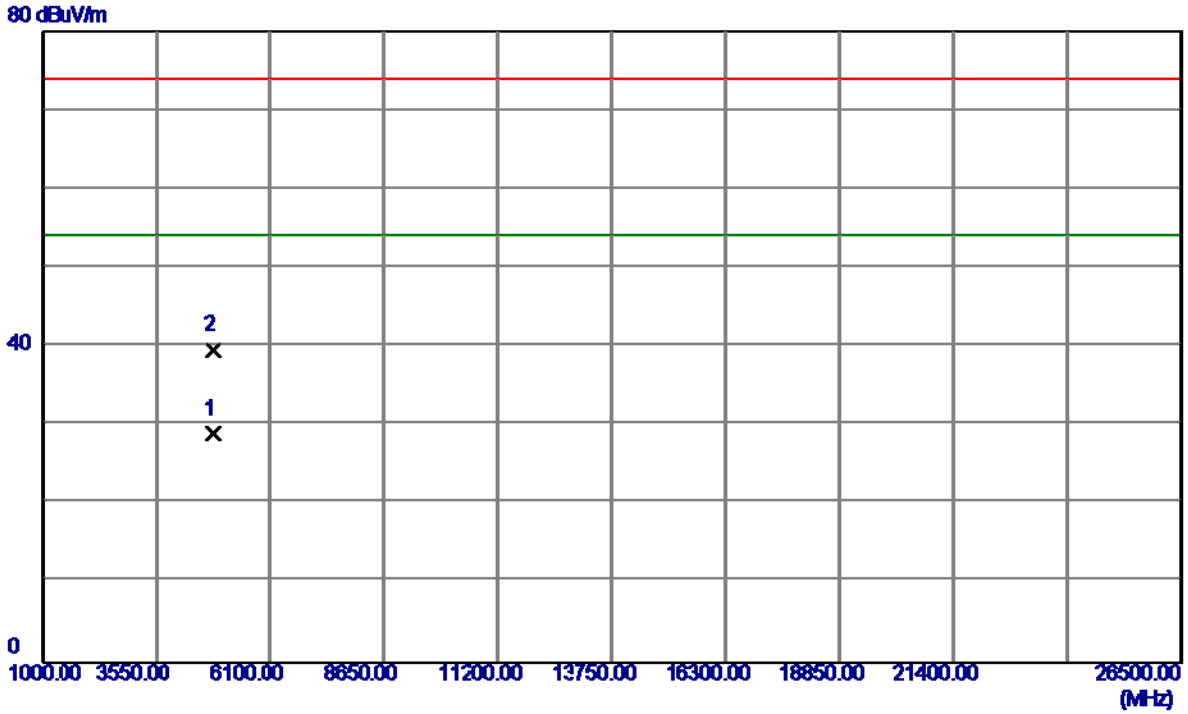
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	27.53	29.02	56.55	74.00	-17.45	Peak	
2	2390.0000	10.13	29.02	39.15	54.00	-14.85	AVG	
3	2409.2000	66.14	29.04	95.18	74.00	21.18	Peak	NO LIMIT
4	2411.0000	55.95	29.05	85.00	54.00	31.00	AVG	NO LIMIT

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

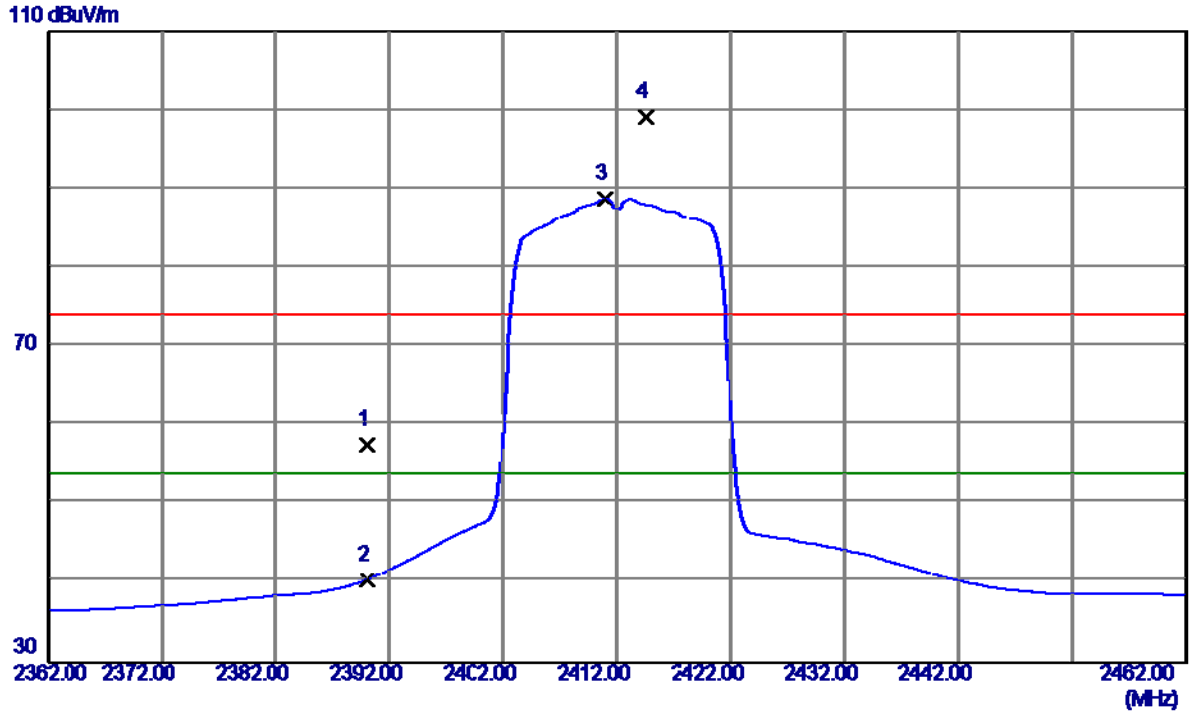
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9850	30.66	-1.78	28.88	54.00	-25.12	AVG	
2	4823.9900	41.33	-1.78	39.55	74.00	-34.45	Peak	

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

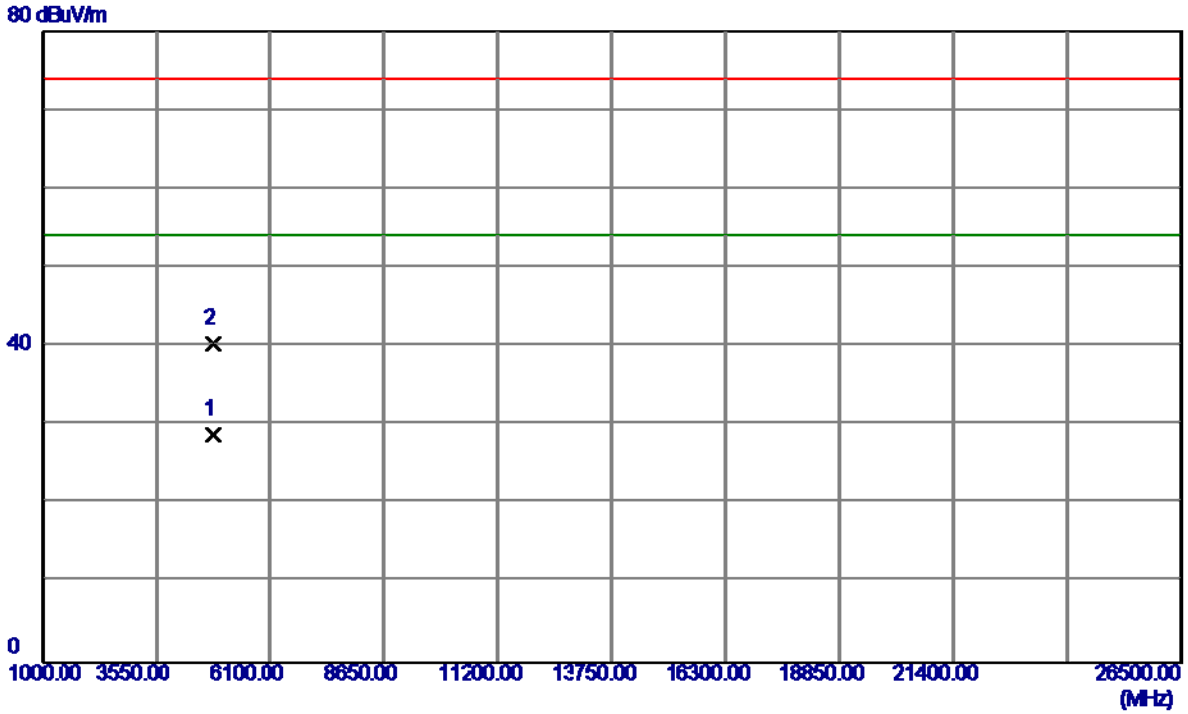
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	28.51	29.02	57.53	74.00	-16.47	Peak	
2	2390.0000	11.44	29.02	40.46	54.00	-13.54	AVG	
3	2411.0000	59.65	29.05	88.70	54.00	34.70	AVG	NO LIMIT
4	2414.6000	70.13	29.05	99.18	74.00	25.18	Peak	NO LIMIT

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

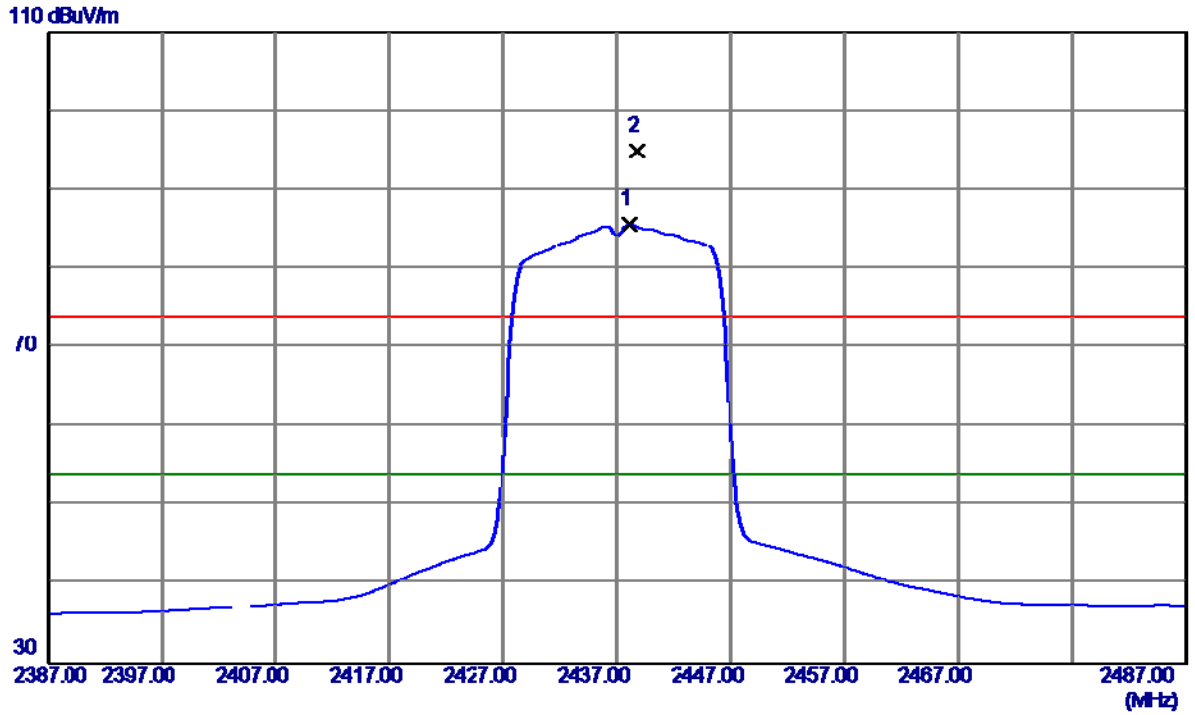
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9600	30.65	-1.78	28.87	54.00	-25.13	AVG	
2	4824.0250	42.10	-1.78	40.32	74.00	-33.68	Peak	

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

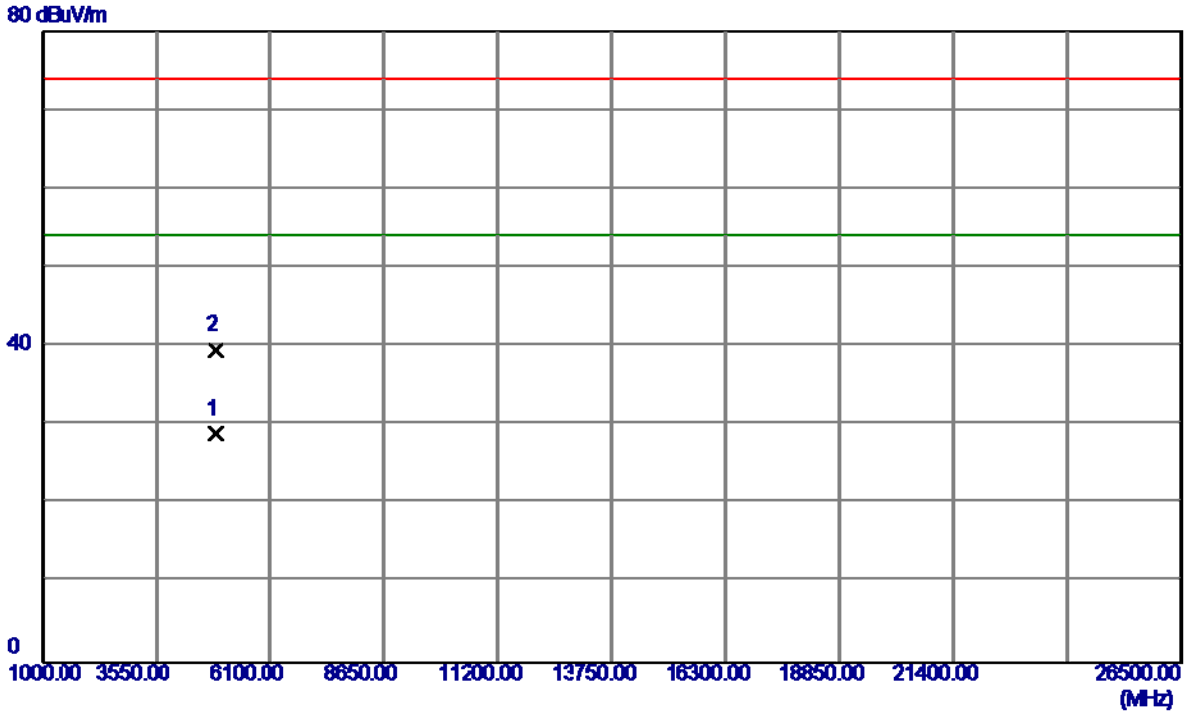
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.1000	56.55	29.08	85.63	54.00	31.63	AVG	NO LIMIT
2	2438.8000	65.89	29.08	94.97	74.00	20.97	Peak	NO LIMIT

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

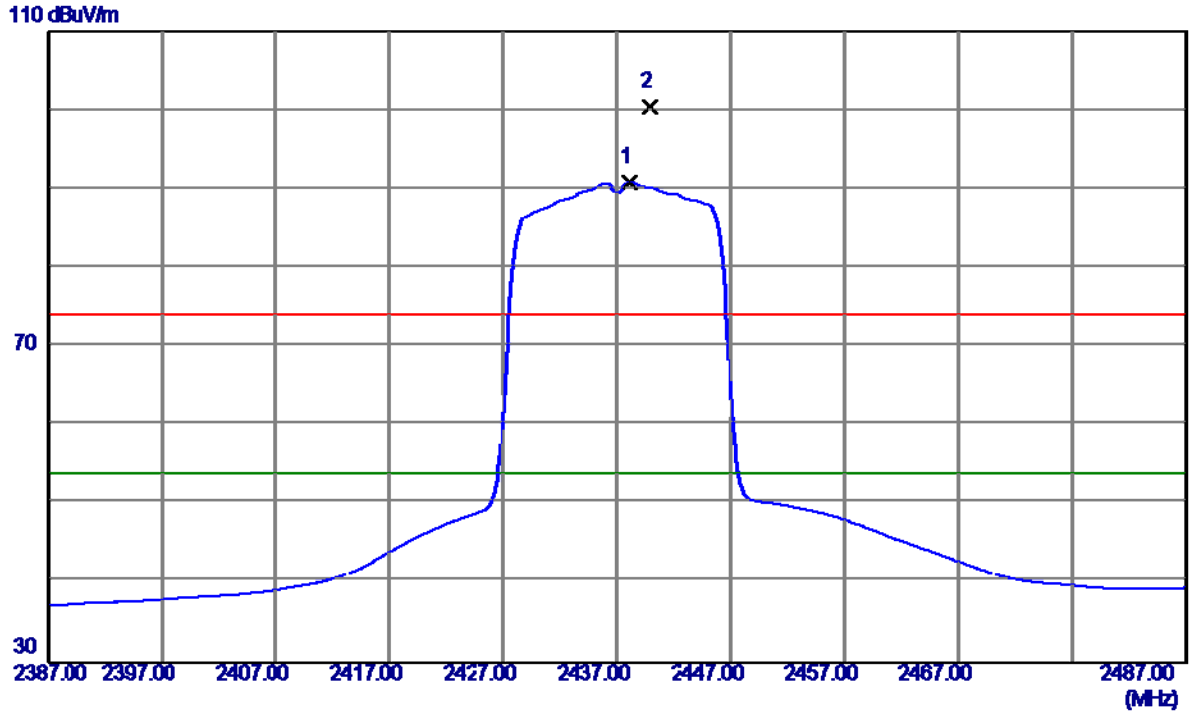
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.0900	30.59	-1.71	28.88	54.00	-25.12	AVG	
2	4874.3700	41.26	-1.71	39.55	74.00	-34.45	Peak	

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

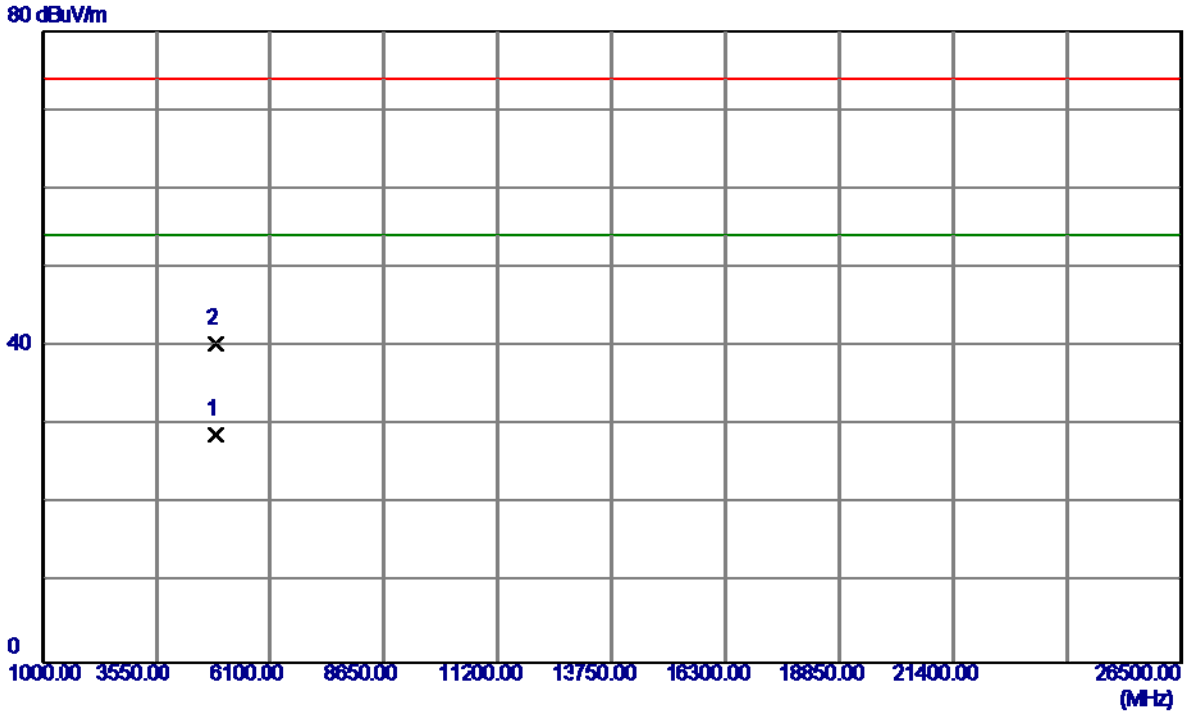
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.1000	61.74	29.08	90.82	54.00	36.82	AVG	NO LIMIT
2	2439.9000	71.25	29.08	100.33	74.00	26.33	Peak	NO LIMIT

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

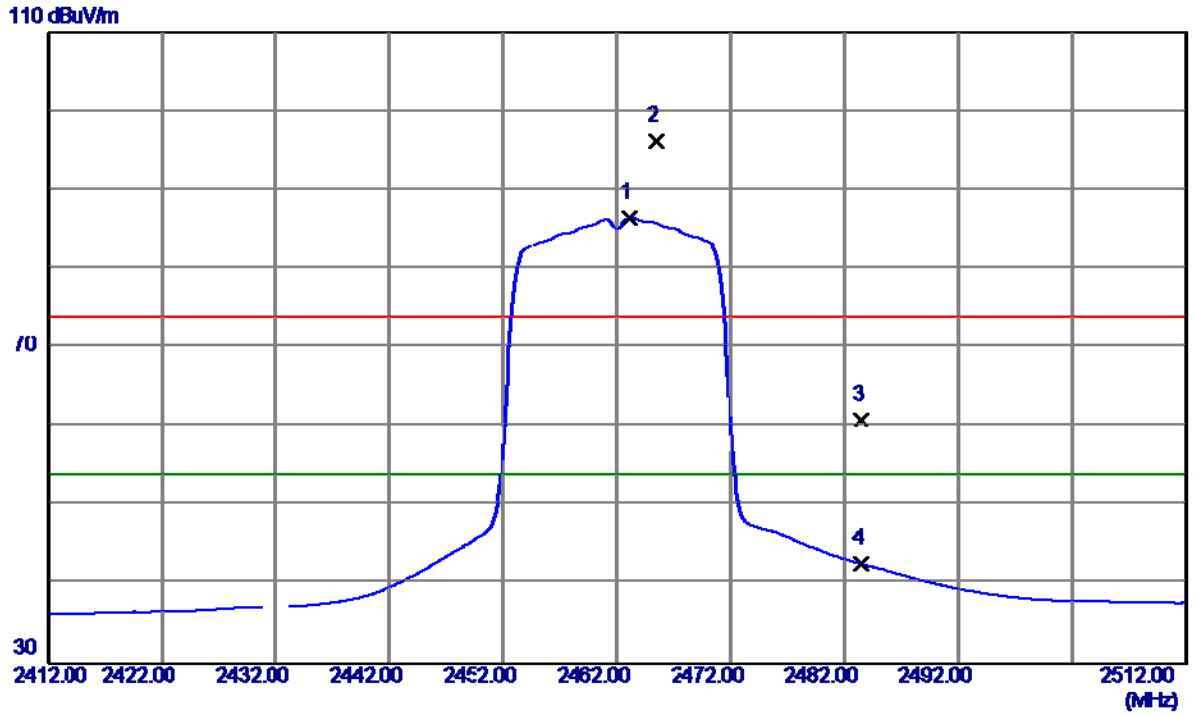
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.6100	30.58	-1.71	28.87	54.00	-25.13	AVG	
2	4874.1070	42.03	-1.71	40.32	74.00	-33.68	Peak	

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

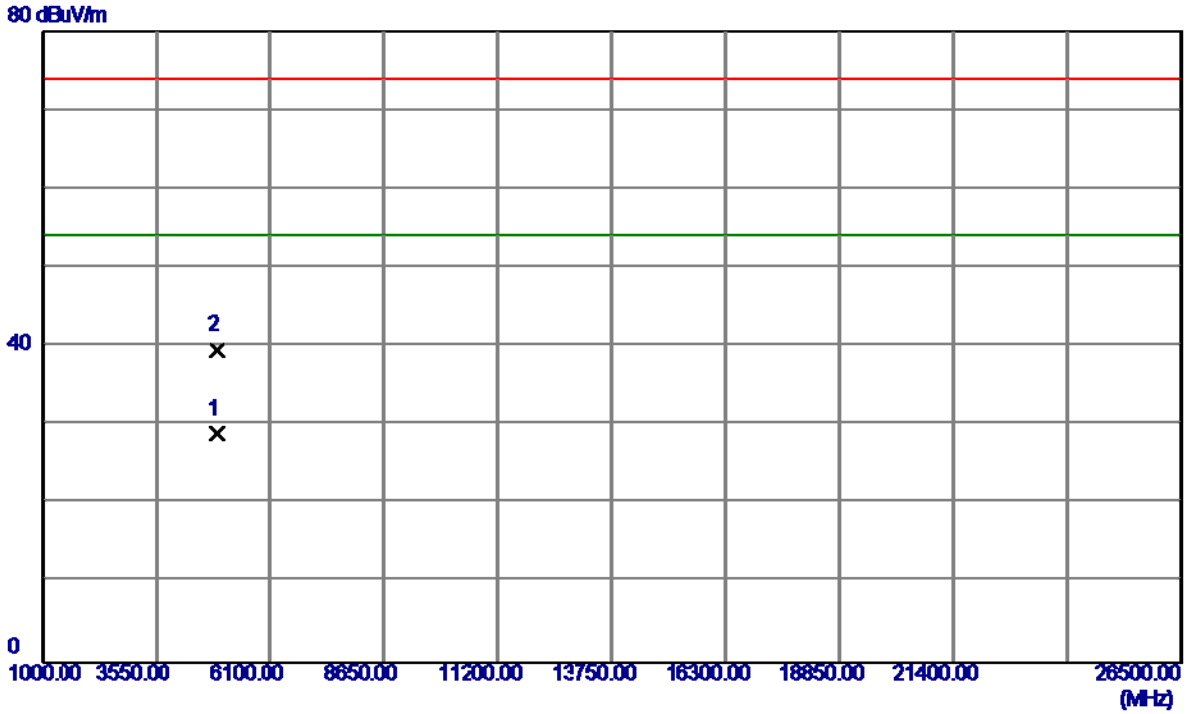
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463.1000	57.41	29.11	86.52	54.00	32.52	AVG	NO LIMIT
2	2465.4000	67.19	29.12	96.31	74.00	22.31	Peak	NO LIMIT
3	2483.5000	31.80	29.14	60.94	74.00	-13.06	Peak	
4	2483.5000	13.43	29.14	42.57	54.00	-11.43	AVG	

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

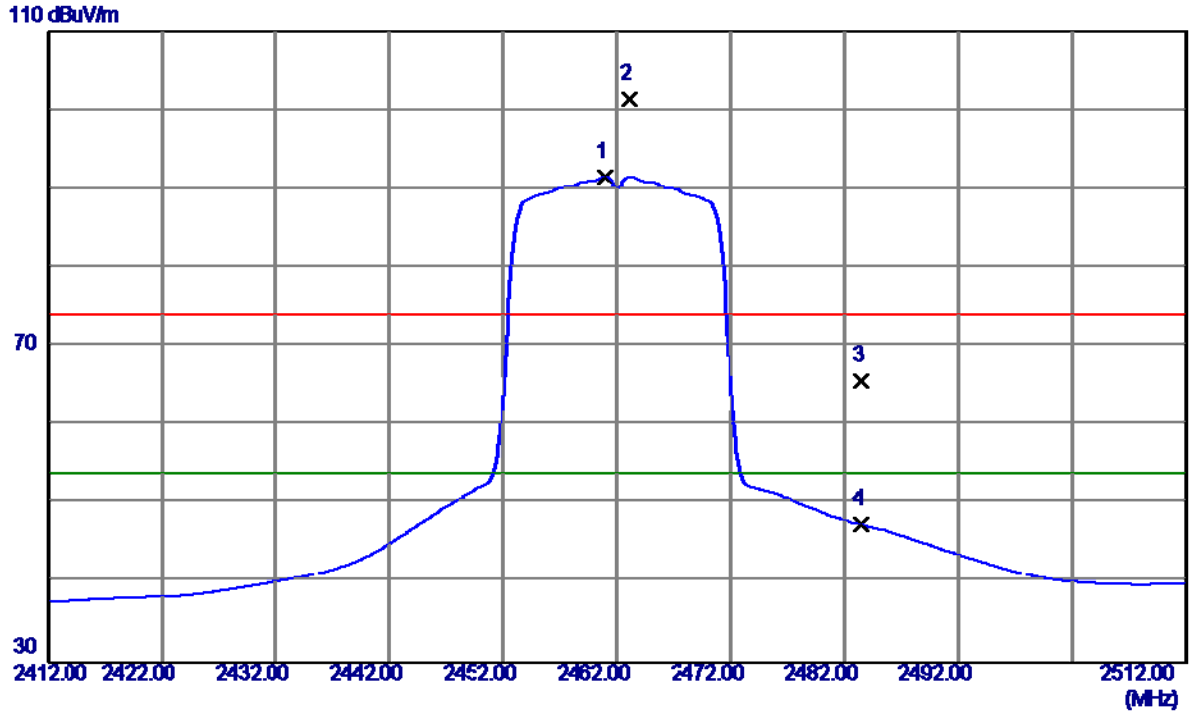
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.9049	30.53	-1.65	28.88	54.00	-25.12	AVG	
2	4924.1100	41.20	-1.65	39.55	74.00	-34.45	Peak	

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

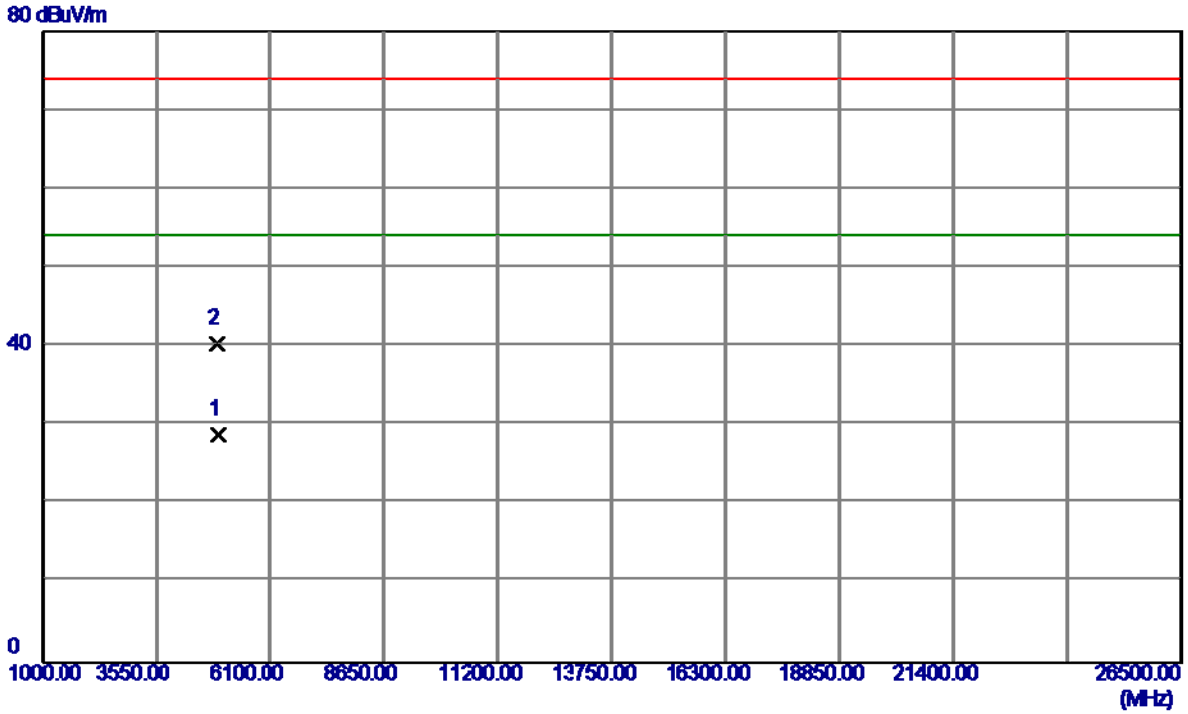
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.0000	62.35	29.11	91.46	54.00	37.46	AVG	NO LIMIT
2	2463.1000	72.29	29.11	101.40	74.00	27.40	Peak	NO LIMIT
3	2483.5000	36.55	29.14	65.69	74.00	-8.31	Peak	
4	2483.5000	18.24	29.14	47.38	54.00	-6.62	AVG	

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

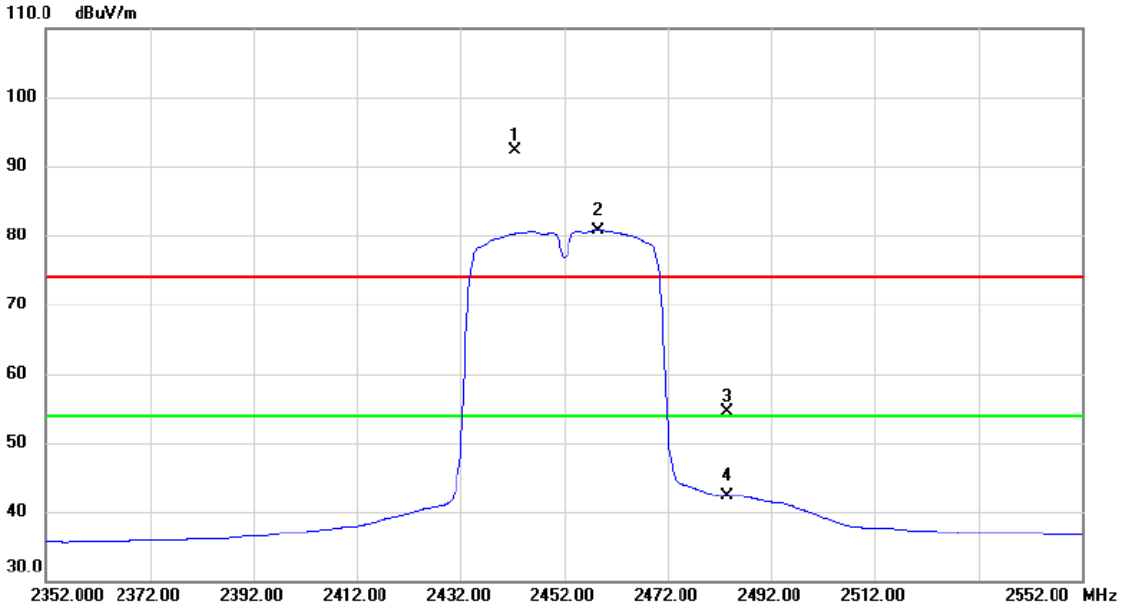
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.3100	30.52	-1.65	28.87	54.00	-25.13	AVG	
2	4924.0299	41.97	-1.65	40.32	74.00	-33.68	Peak	

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

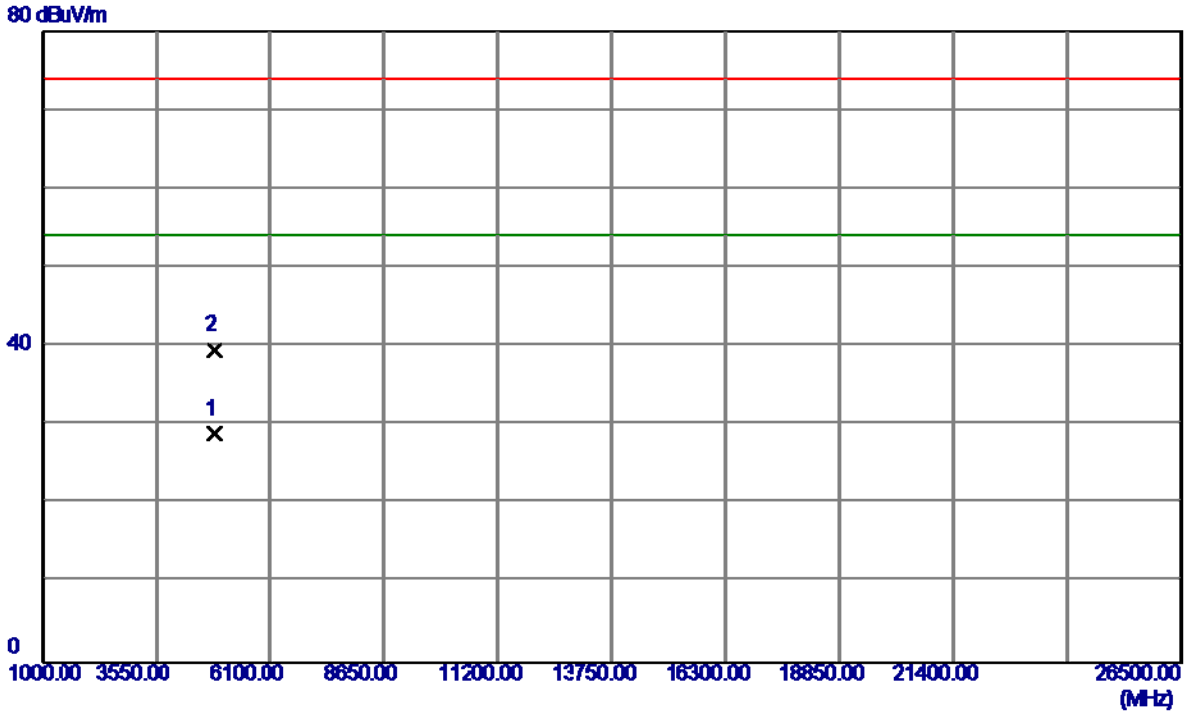
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2442.400	57.82	34.53	92.35	74.00	18.35	peak	NO LIMIT
2	*	2458.600	46.10	34.63	80.73	54.00	26.73	AVG	NO LIMIT
3		2483.500	19.66	34.78	54.44	74.00	-19.56	peak	
4		2483.500	7.53	34.78	42.31	54.00	-11.69	AVG	

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

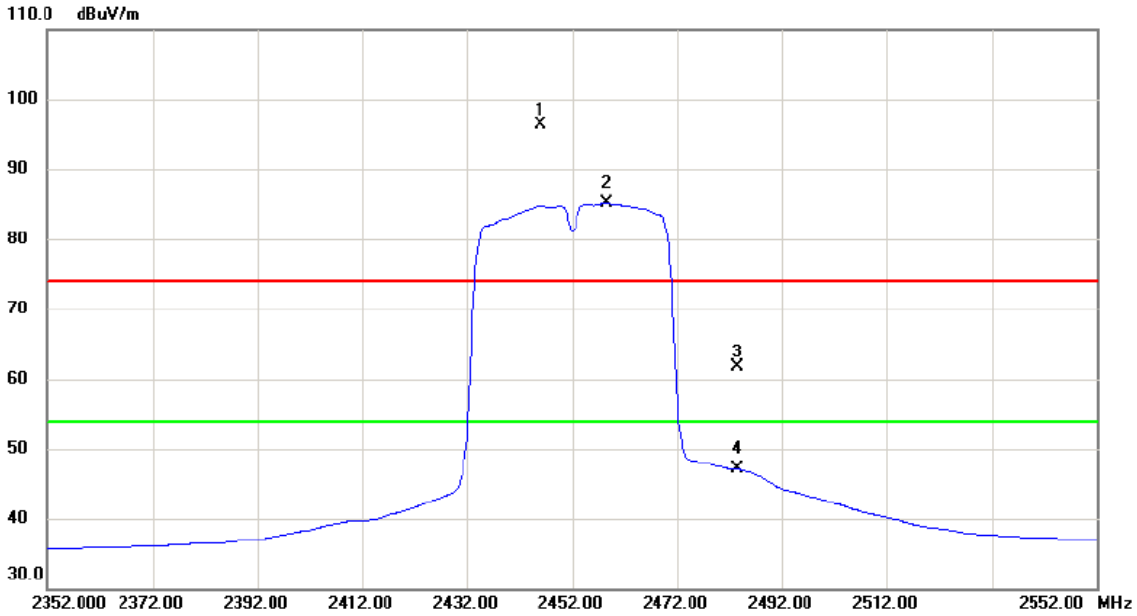
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4844.1820	30.64	-1.76	28.88	54.00	-25.12	AVG	
2	4844.2040	41.31	-1.76	39.55	74.00	-34.45	Peak	

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

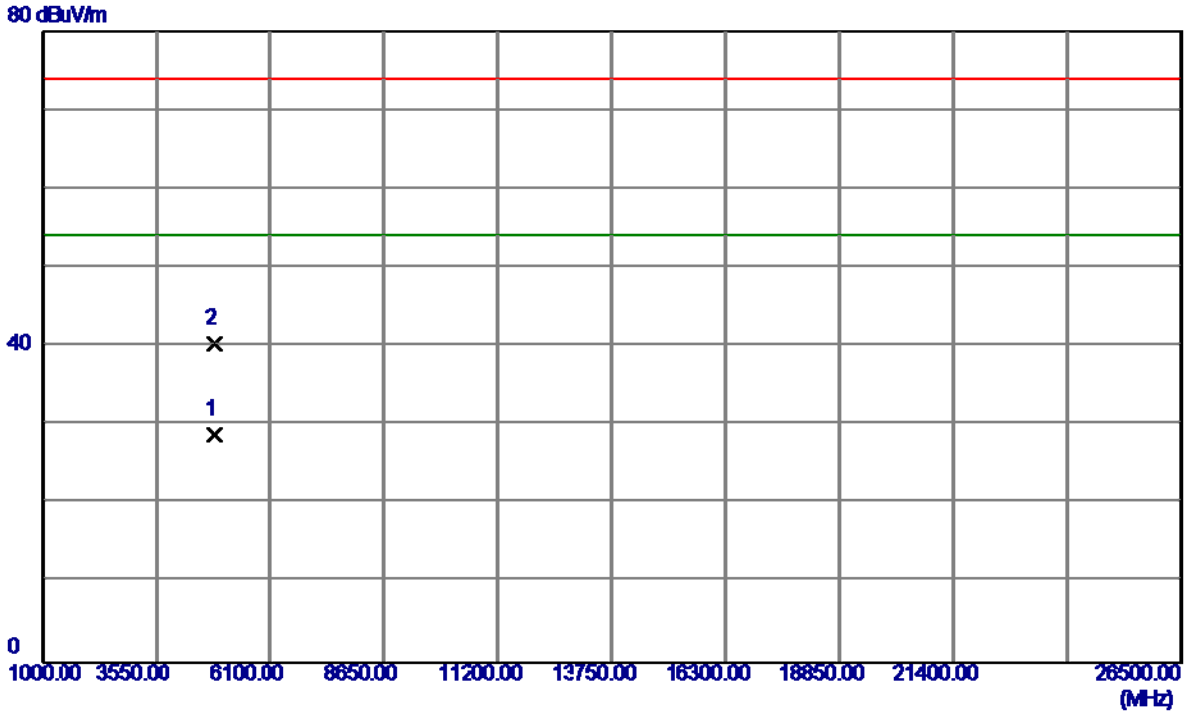
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2446.000	61.69	34.56	96.25	74.00	22.25	peak	NO LIMIT
2	*	2458.600	50.44	34.63	85.07	54.00	31.07	AVG	NO LIMIT
3		2483.500	26.94	34.78	61.72	74.00	-12.28	peak	
4		2483.500	12.26	34.78	47.04	54.00	-6.96	AVG	

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

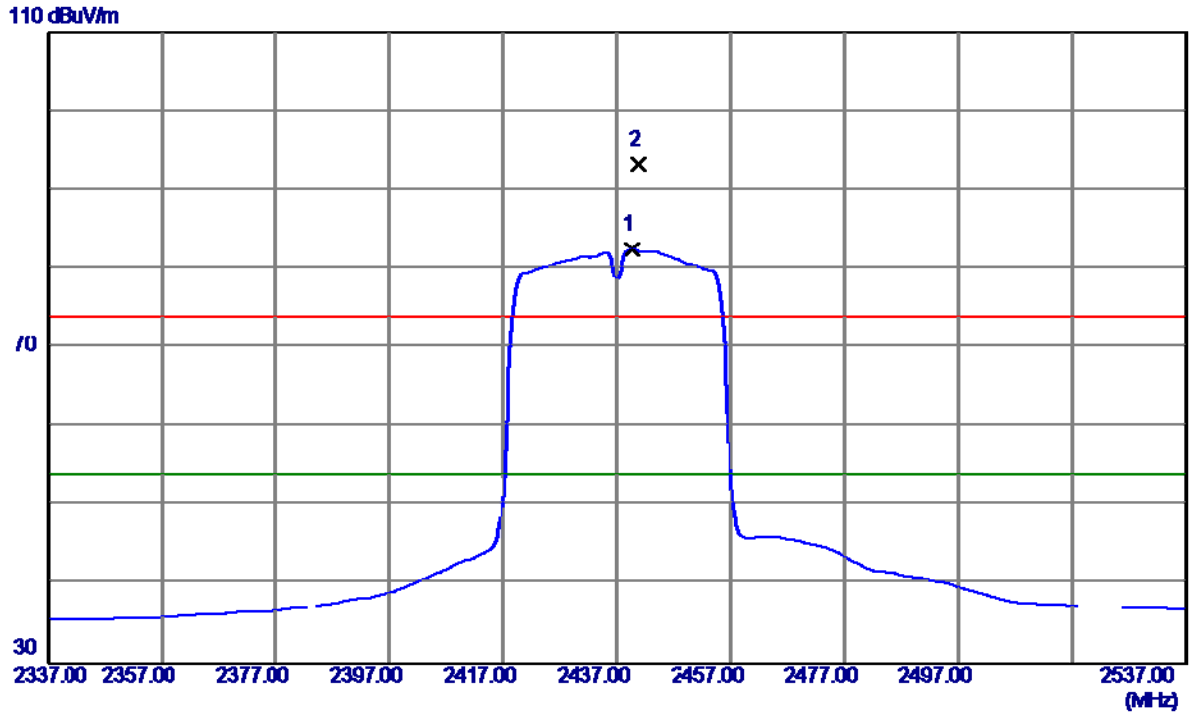
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4844.0379	30.63	-1.76	28.87	54.00	-25.13	AVG	
2	4844.9160	42.08	-1.76	40.32	74.00	-33.68	Peak	

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

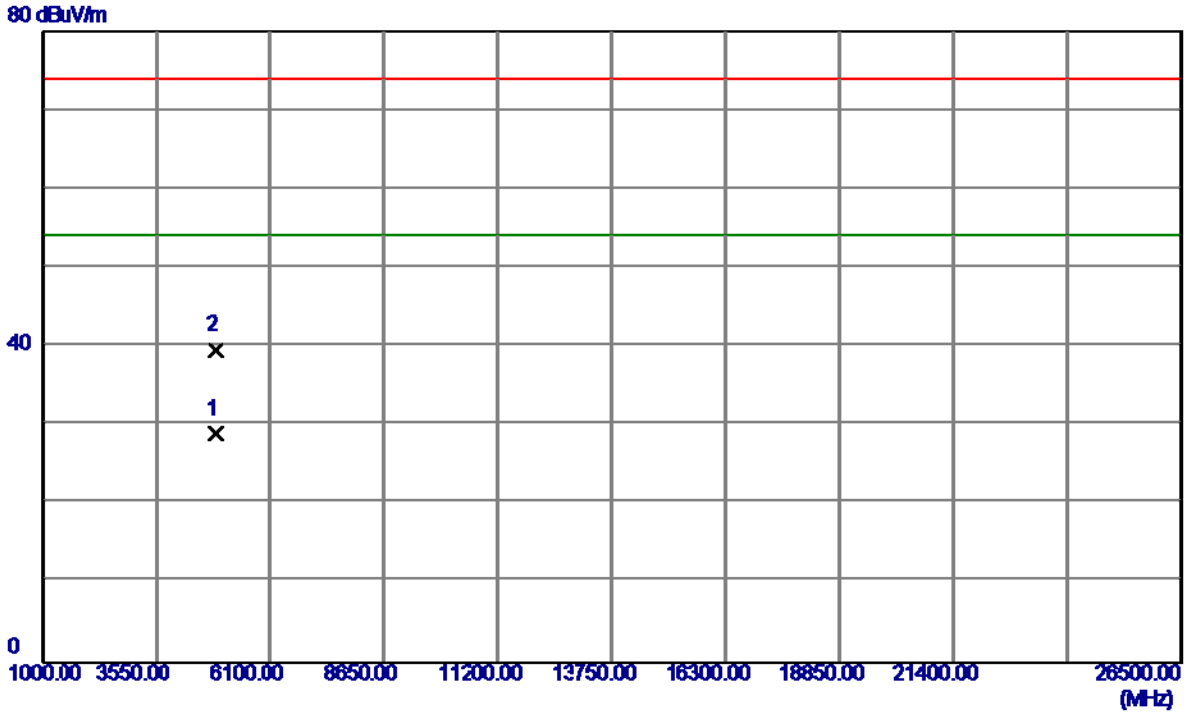
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2439.6000	53.37	29.08	82.45	54.00	28.45	AVG	NO LIMIT
2	2440.8000	64.08	29.08	93.16	74.00	19.16	Peak	NO LIMIT

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

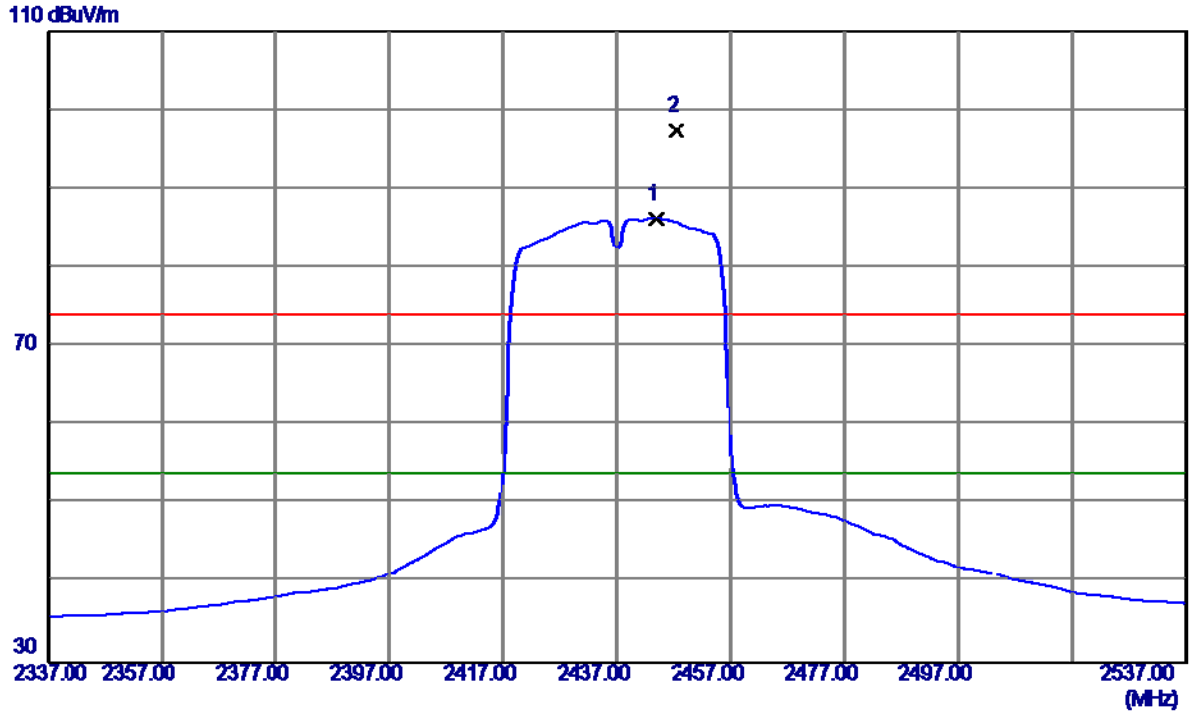
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.4120	30.59	-1.71	28.88	54.00	-25.12	AVG	
2	4874.1180	41.26	-1.71	39.55	74.00	-34.45	Peak	

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

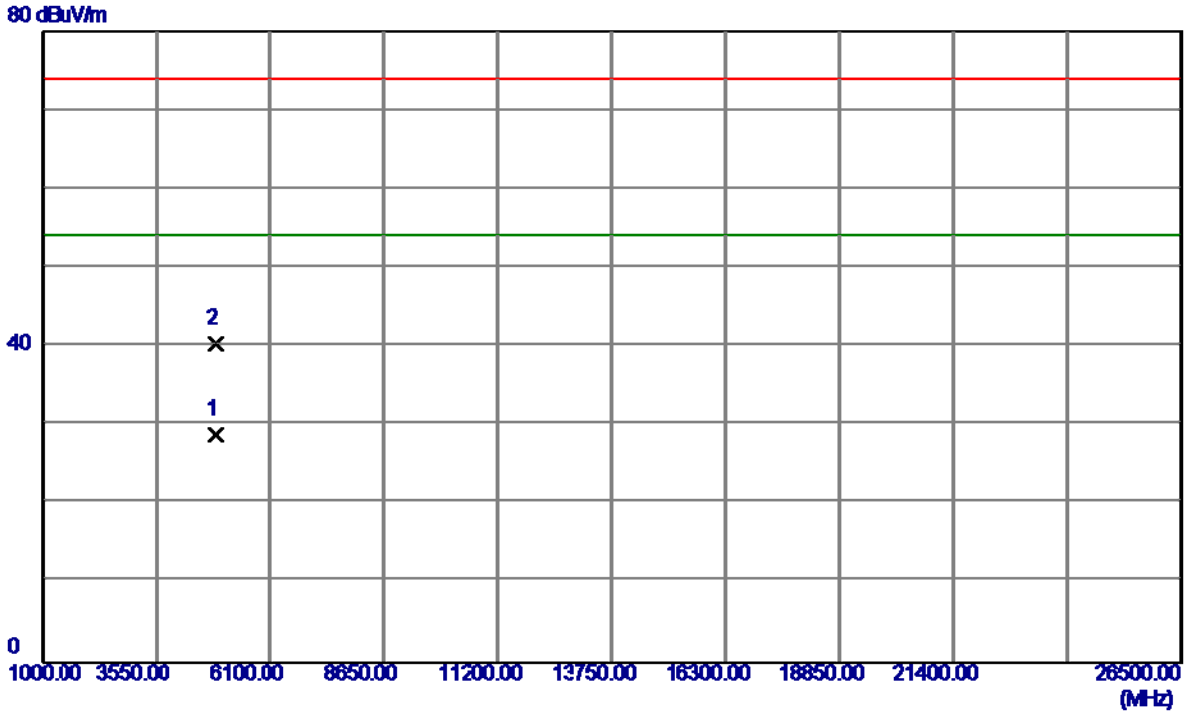
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2443.8000	57.15	29.09	86.24	54.00	32.24	AVG	NO LIMIT
2	2447.4000	68.32	29.09	97.41	74.00	23.41	Peak	NO LIMIT

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

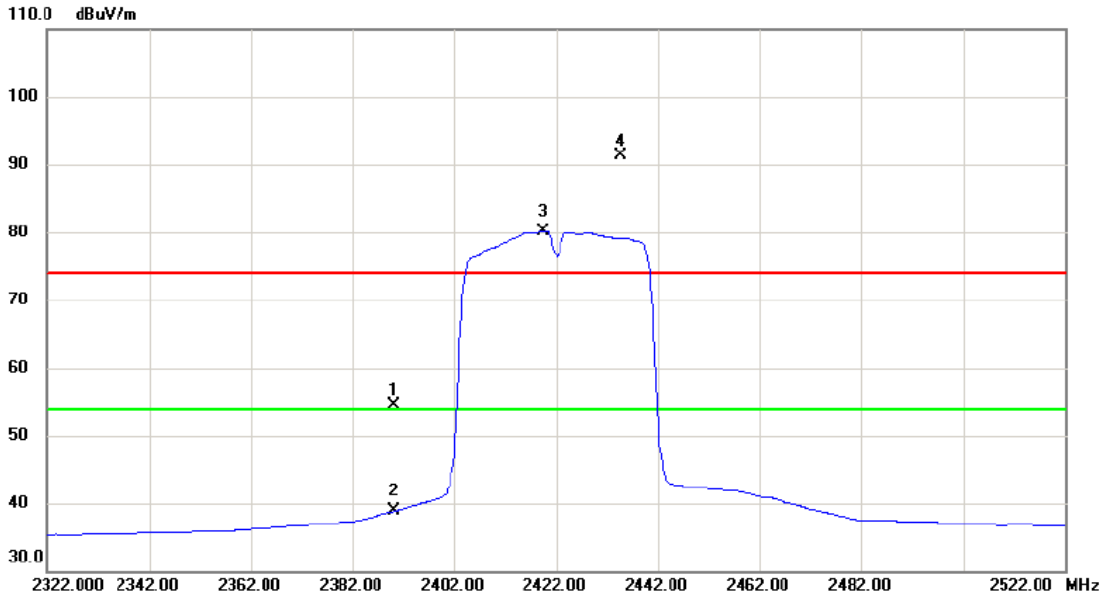
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.0690	30.58	-1.71	28.87	54.00	-25.13	AVG	
2	4874.3160	42.03	-1.71	40.32	74.00	-33.68	Peak	

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

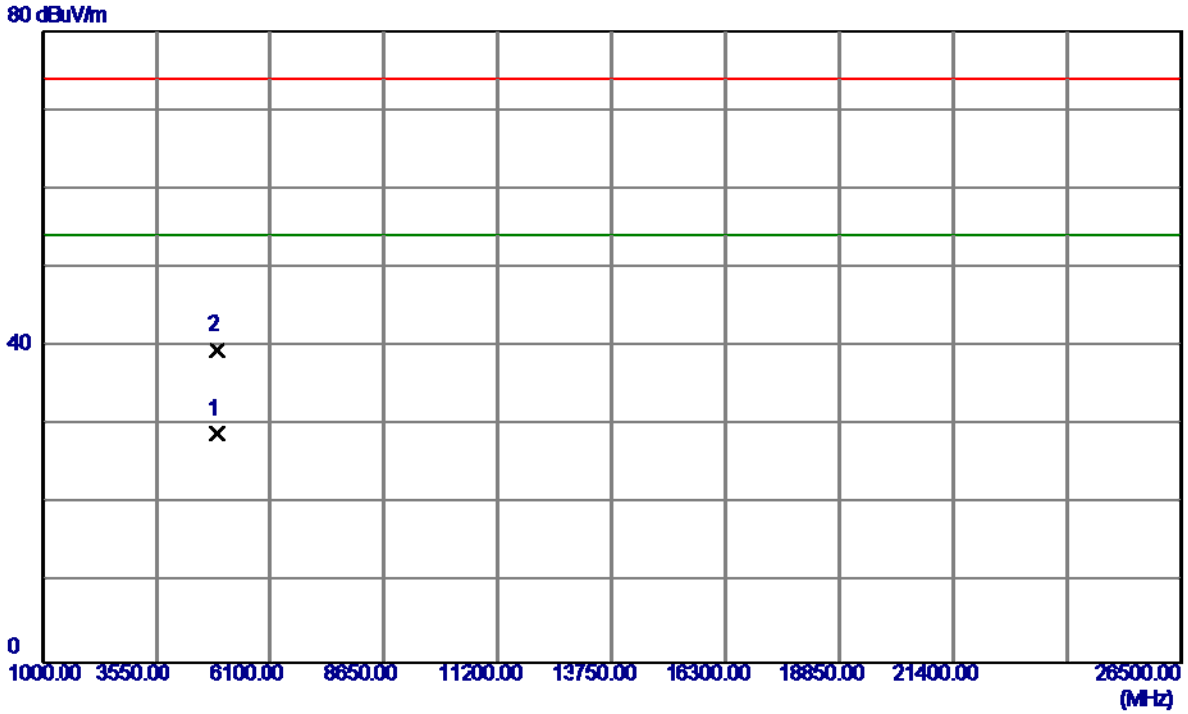
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	20.26	34.23	54.49	74.00	-19.51	peak	
2		2390.000	4.61	34.23	38.84	54.00	-15.16	AVG	
3	*	2419.600	45.77	34.41	80.18	54.00	26.18	AVG	NO LIMIT
4	X	2434.600	56.86	34.49	91.35	74.00	17.35	peak	NO LIMIT

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

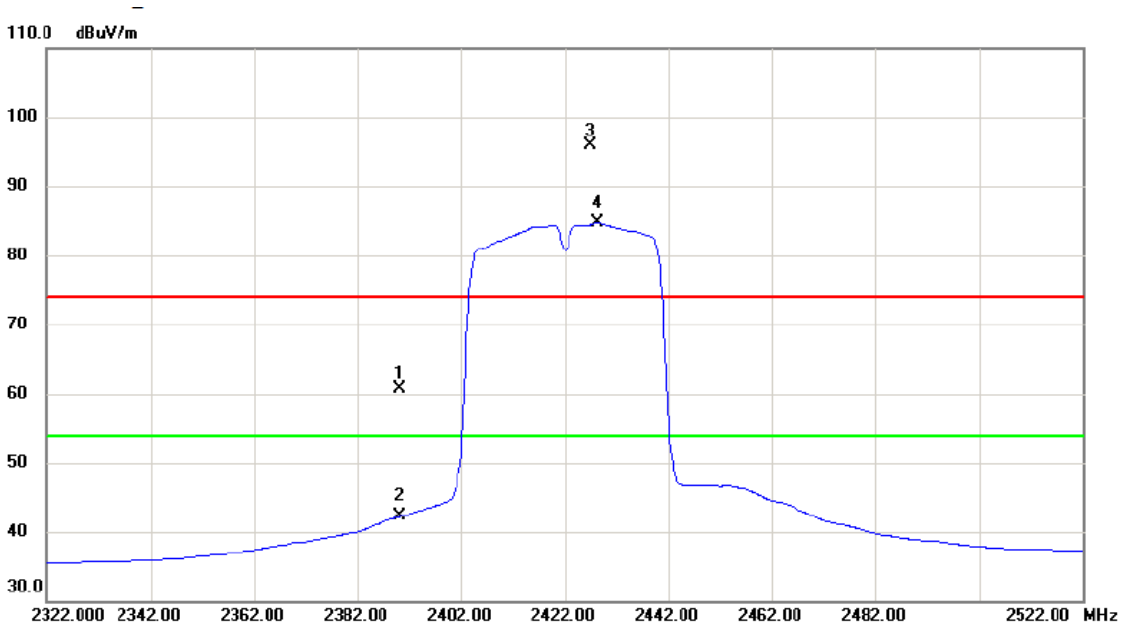
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4904.0910	30.55	-1.67	28.88	54.00	-25.12	AVG	
2	4904.1010	41.22	-1.67	39.55	74.00	-34.45	Peak	

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

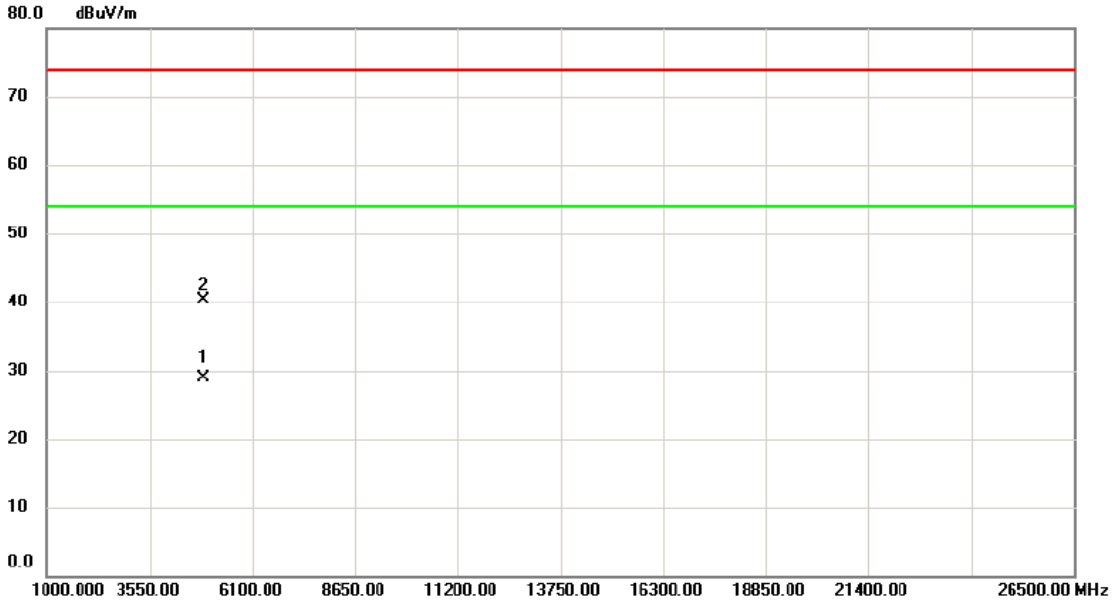
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	26.43	34.23	60.66	74.00	-13.34	peak	
2		2390.000	7.97	34.23	42.20	54.00	-11.80	AVG	
3	X	2427.000	61.39	34.45	95.84	74.00	21.84	peak	NO LIMIT
4	*	2428.200	50.18	34.45	84.63	54.00	30.63	AVG	NO LIMIT

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

Horizontal

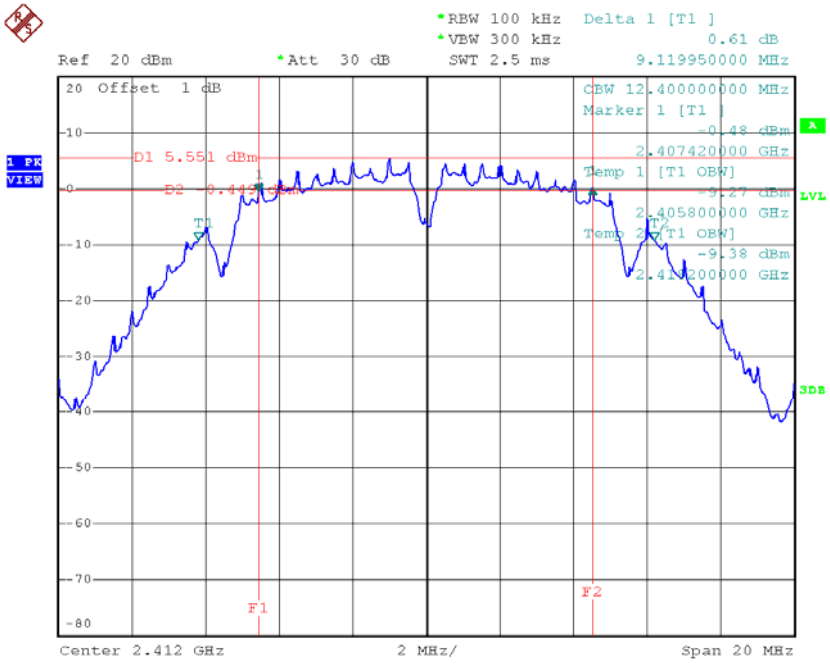


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4904.314	25.83	3.04	28.87	54.00	-25.13	AVG	
2		4904.080	37.28	3.04	40.32	74.00	-33.68	peak	

ATTACHMENT E - BANDWIDTH

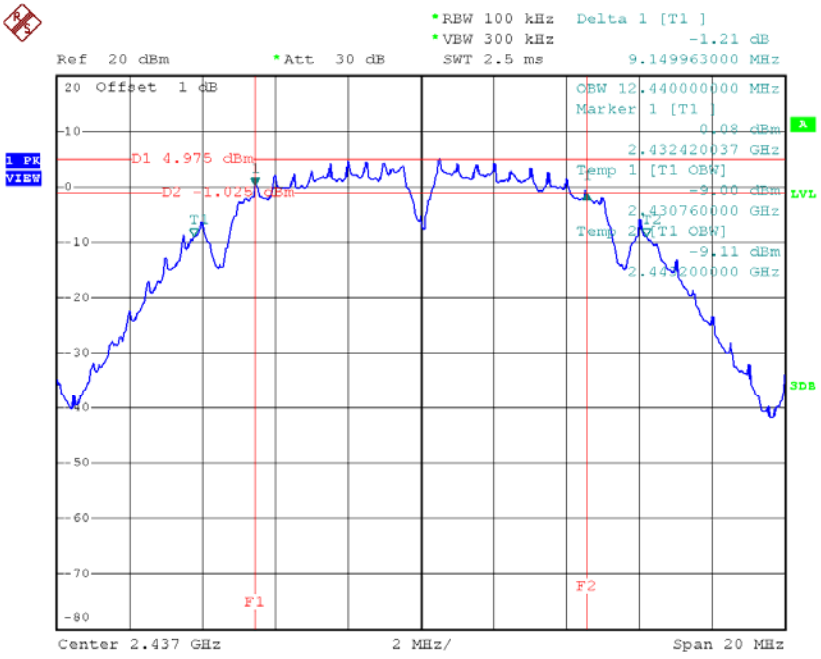
Test Mode : TX B Mode_CH01/06/11				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.12	12.40	500	Complies
2437	9.15	12.44	500	Complies
2462	9.13	12.40	500	Complies

TX CH01



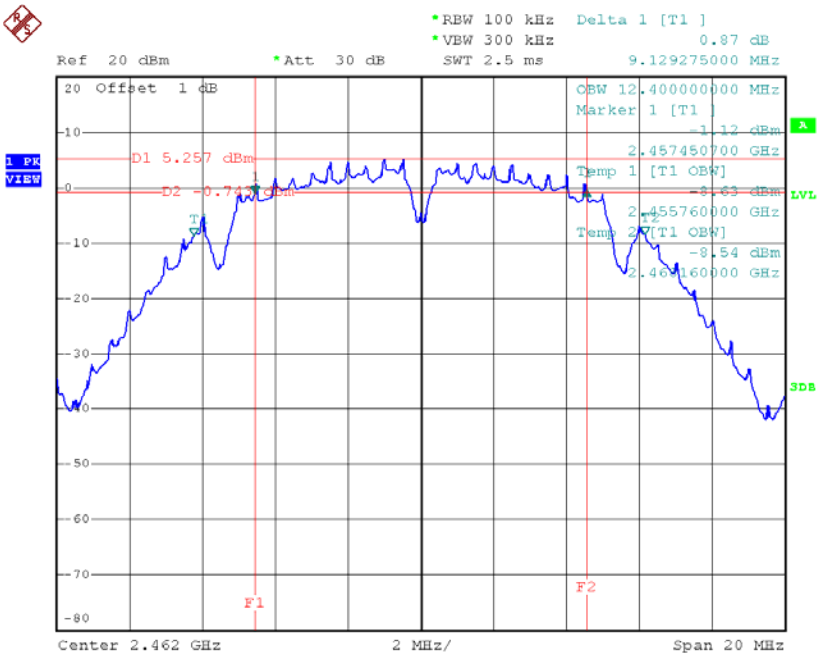
Date: 8.OCT.2015 11:19:53

TX CH06



Date: 8.OCT.2015 11:21:42

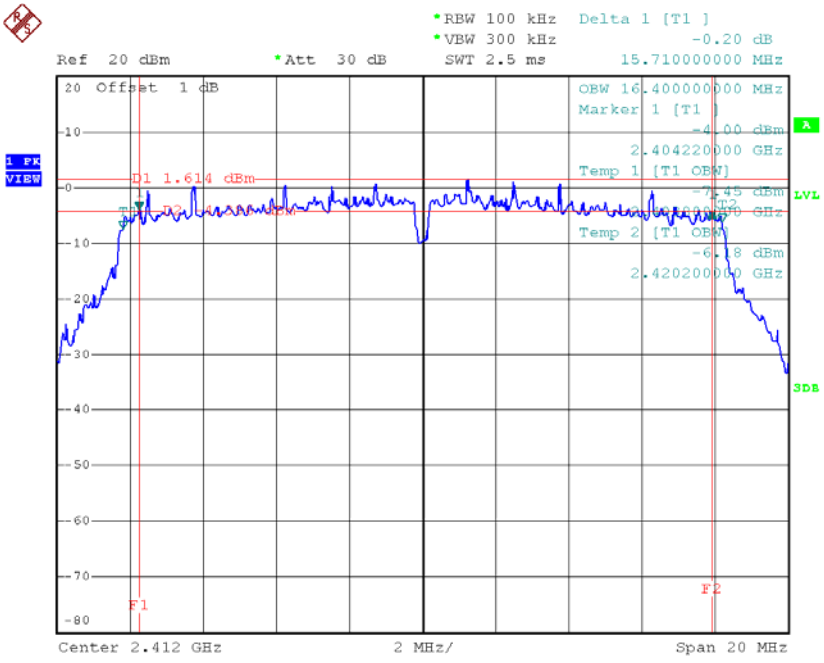
TX CH11



Date: 8.OCT.2015 11:23:24

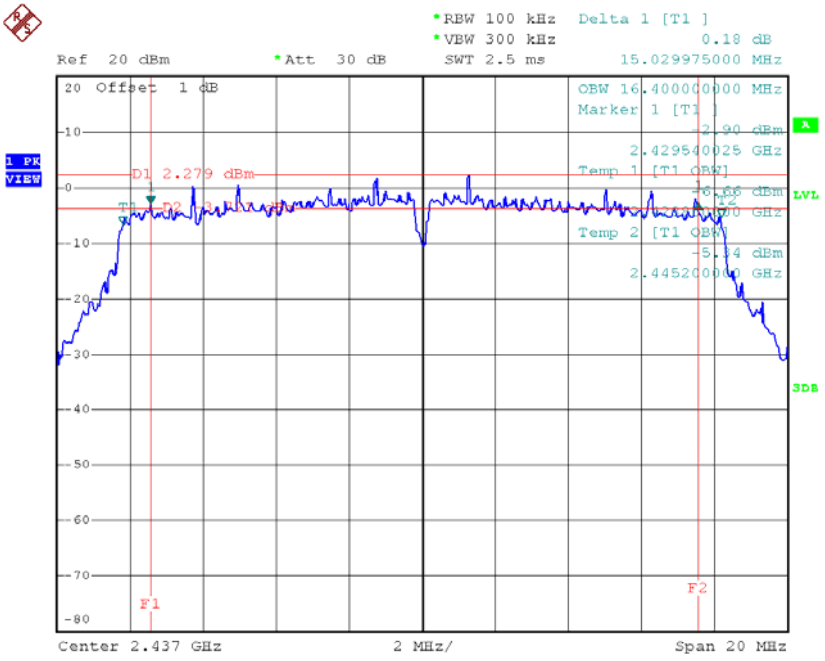
Test Mode: TX G Mode_CH01/06/11				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.71	16.40	500	Complies
2437	15.03	16.40	500	Complies
2462	16.35	16.44	500	Complies

TX CH01



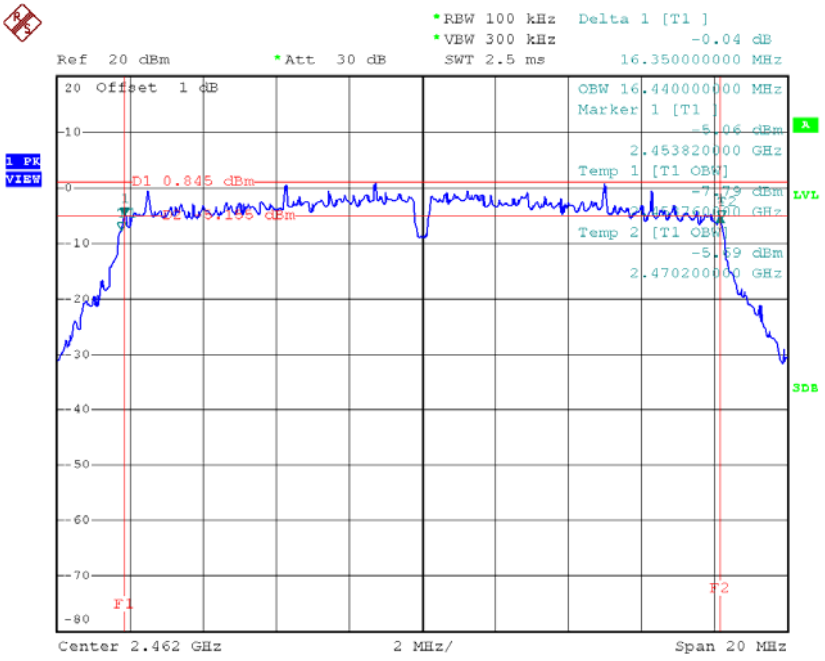
Date: 8.OCT.2015 11:25:00

TX CH06



Date: 8.OCT.2015 11:26:19

TX CH11

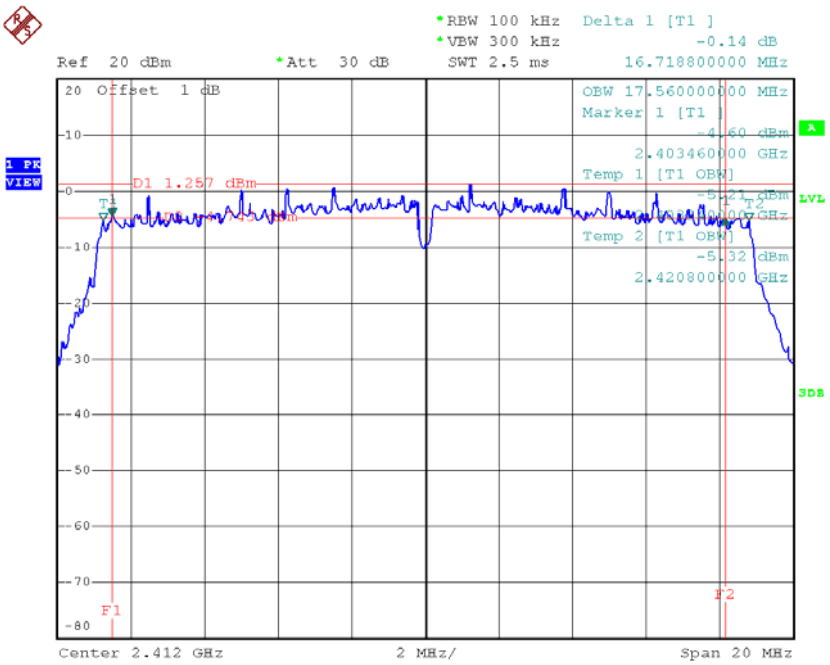


Date: 8.OCT.2015 11:27:30

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

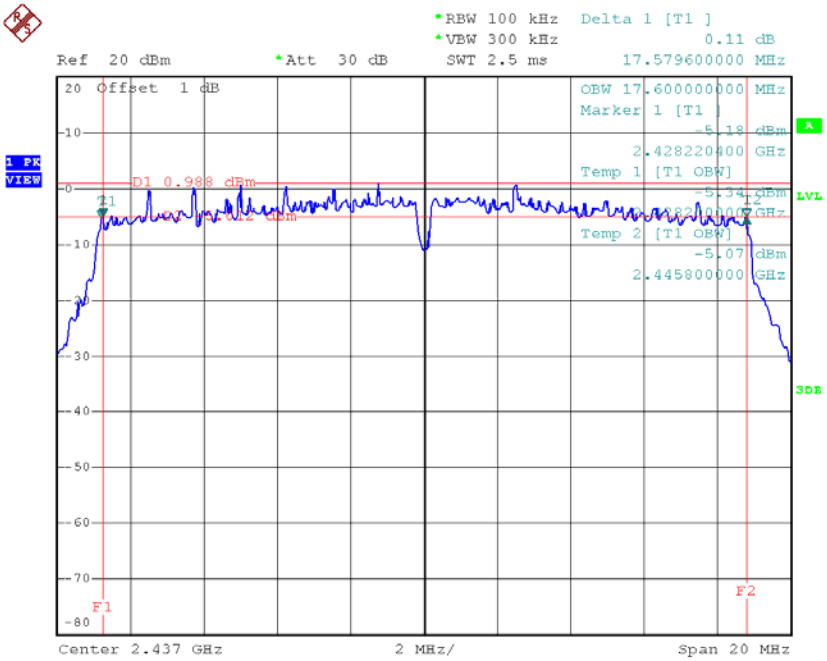
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.72	17.56	500	Complies
2437	17.58	17.60	500	Complies
2462	15.13	17.60	500	Complies

TX CH01



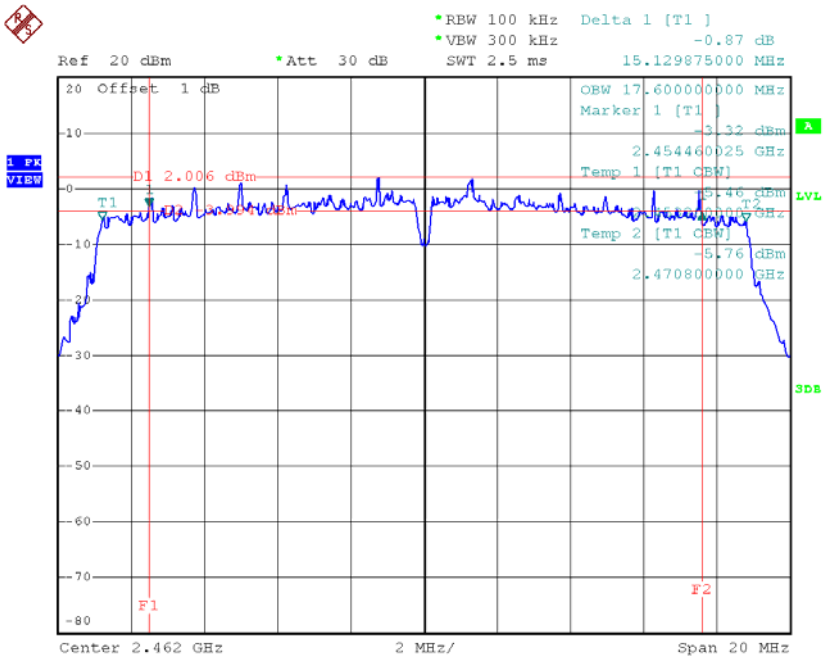
Date: 8.OCT.2015 11:29:32

TX CH06



Date: 8.OCT.2015 11:30:41

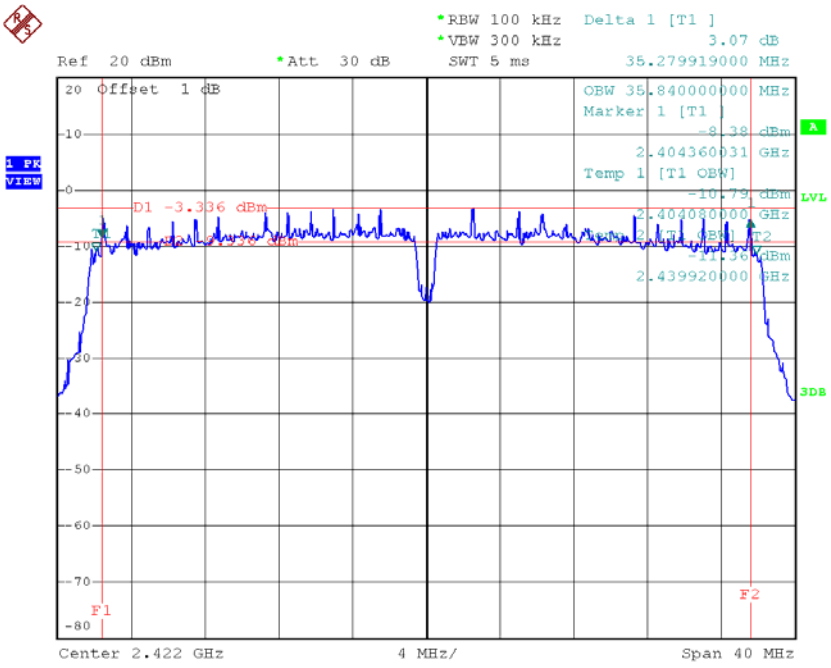
TX CH11



Date: 8.OCT.2015 11:32:08

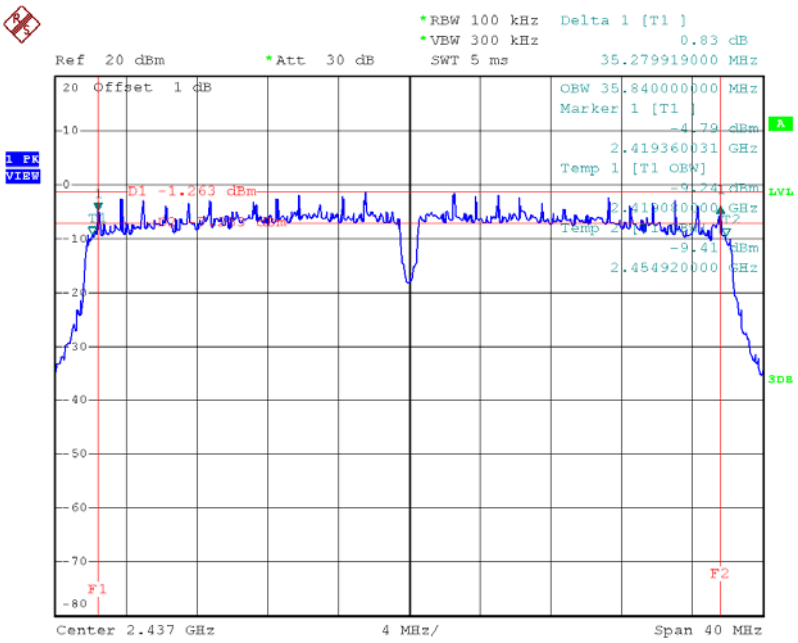
Test Mode : TX N-40MHz Mode_CH03/06/09				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.28	35.84	500	Complies
2437	35.28	35.84	500	Complies
2452	35.20	35.84	500	Complies

TX CH03



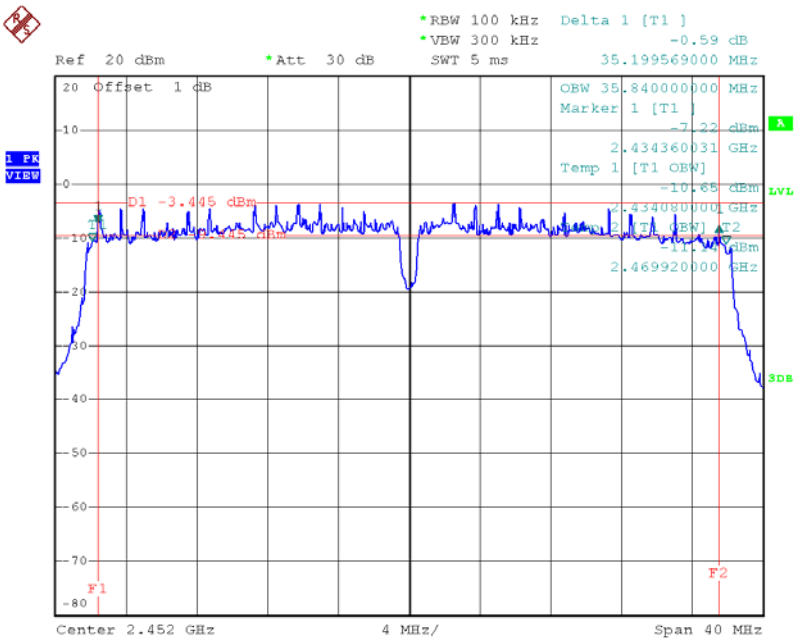
Date: 8.OCT.2015 11:33:46

TX CH06



Date: 8.OCT.2015 11:35:02

TX CH09



Date: 8.OCT.2015 11:36:07

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	19.28	0.08	30.00	1.00	Complies
2437	15.35	0.03	30.00	1.00	Complies
2462	19.54	0.09	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	21.42	0.14	30.00	1.00	Complies
2437	21.55	0.14	30.00	1.00	Complies
2462	21.91	0.16	30.00	1.00	Complies

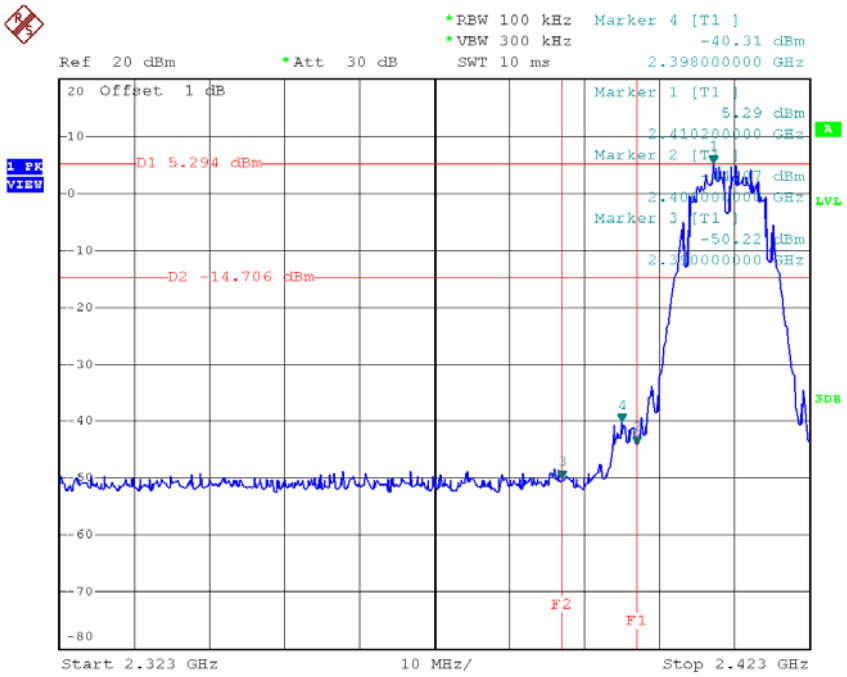
Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.60	0.14	30.00	1.00	Complies
2437	21.57	0.14	30.00	1.00	Complies
2462	21.98	0.16	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	19.41	0.09	30.00	1.00	Complies
2437	21.33	0.14	30.00	1.00	Complies
2452	19.62	0.09	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

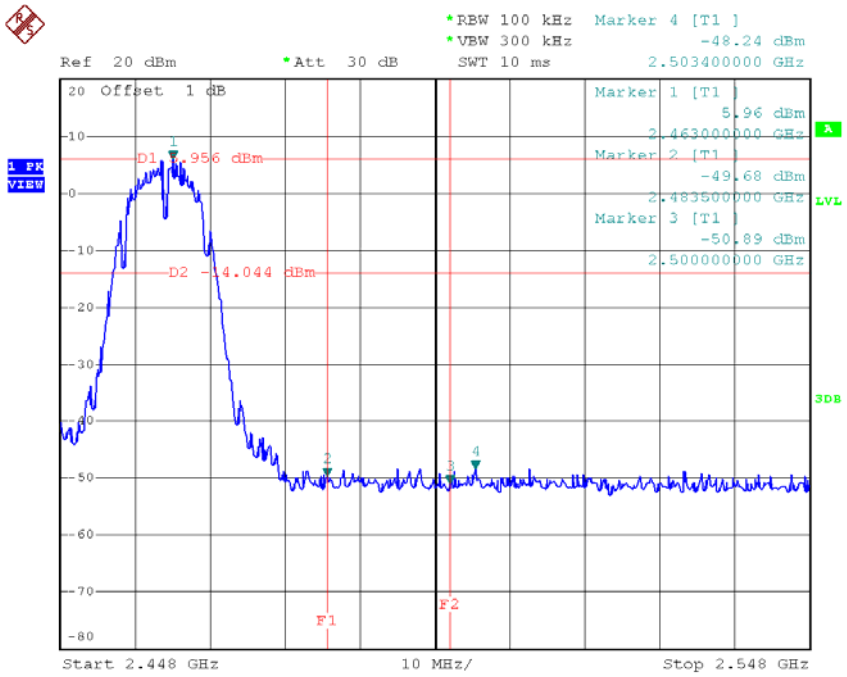
Test Mode :	TX B Mode

TX B mode CH01



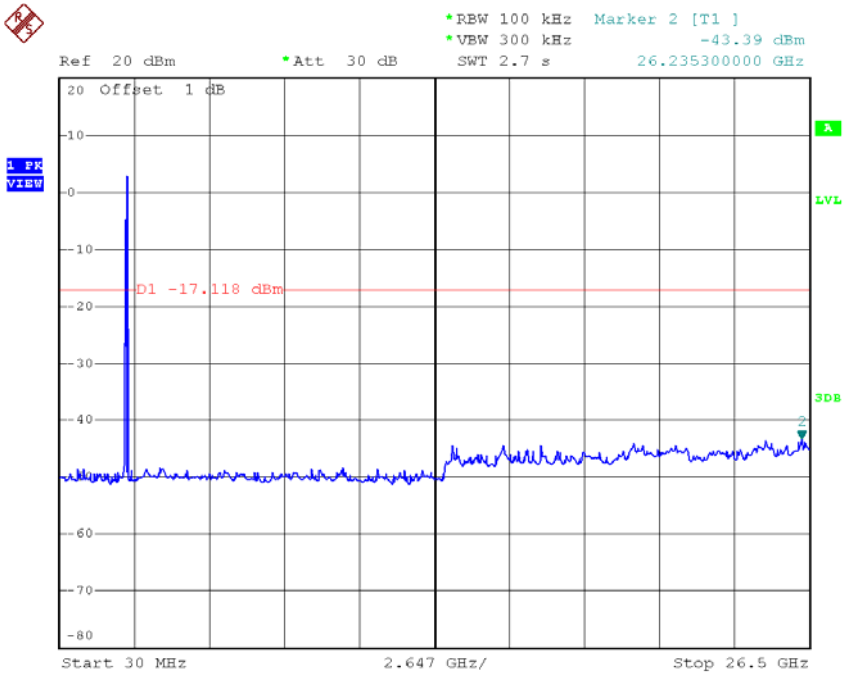
Date: 8.OCT.2015 11:20:16

TX B mode CH11



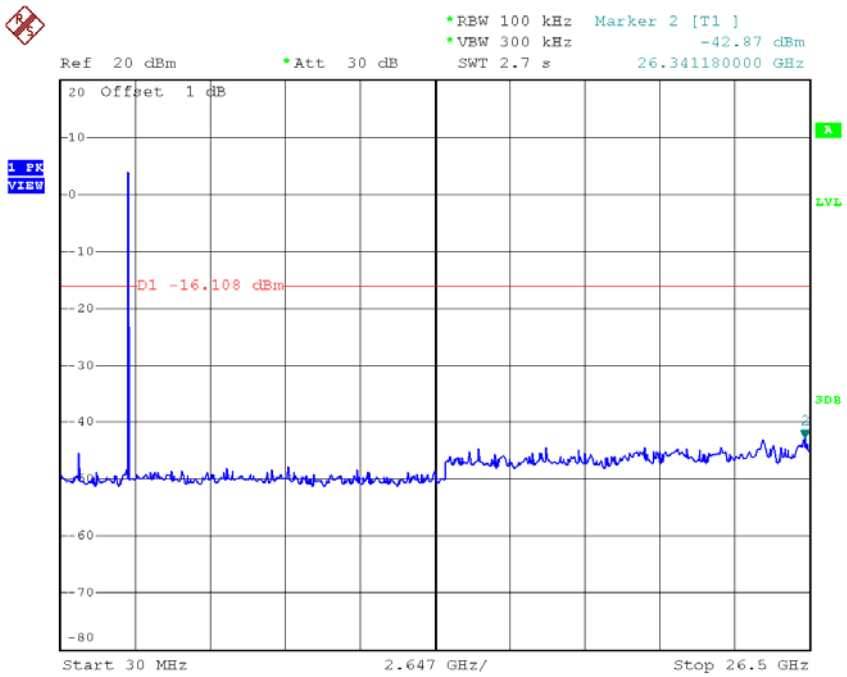
Date: 8.OCT.2015 11:23:47

TX B mode CH01 (10 Harmonic of the frequency)



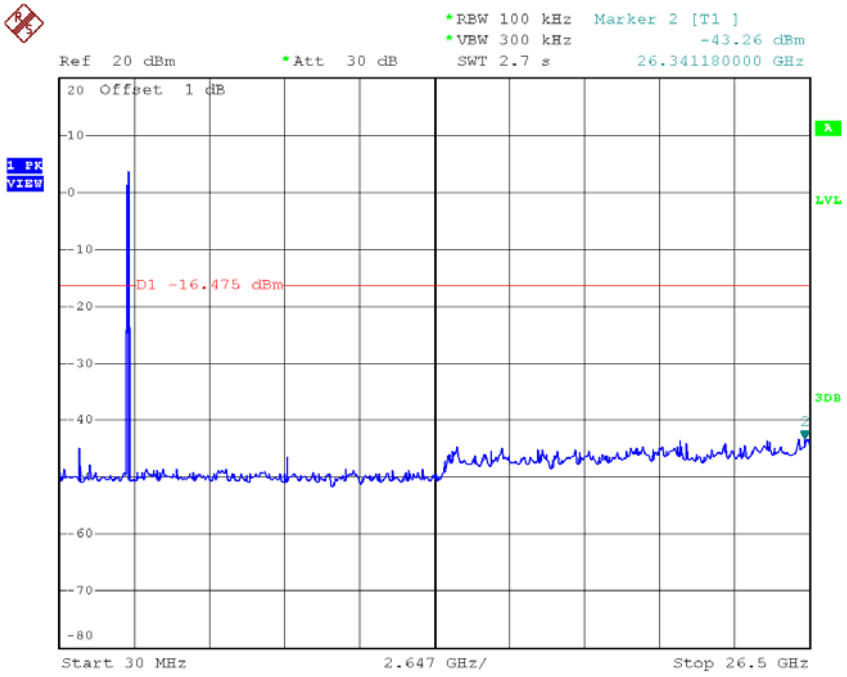
Date: 8.OCT.2015 11:20:07

TX B mode CH06 (10 Harmonic of the frequency)



Date: 8.OCT.2015 11:21:57

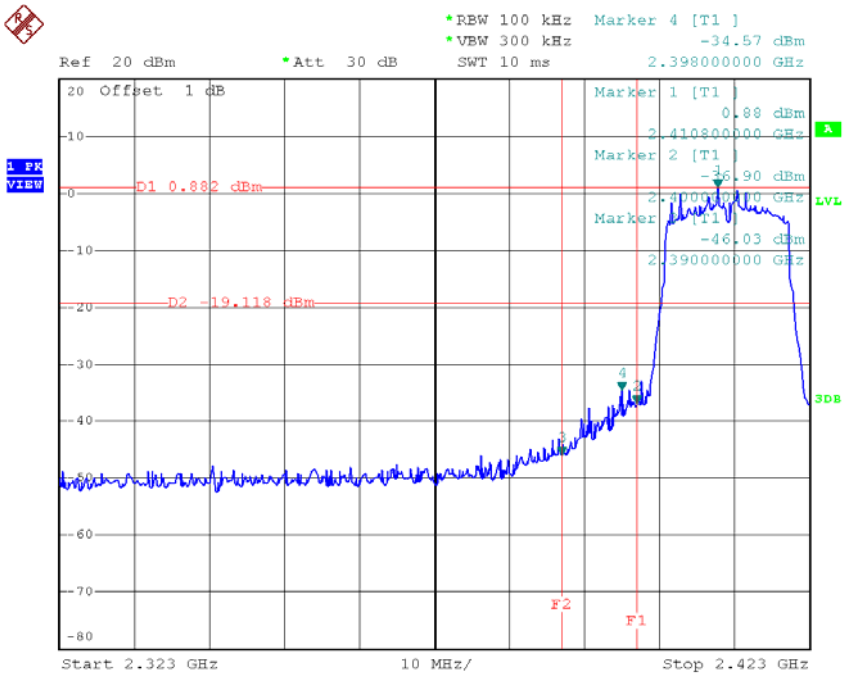
TX B mode CH11 (10 Harmonic of the frequency)



Date: 8.OCT.2015 11:23:39

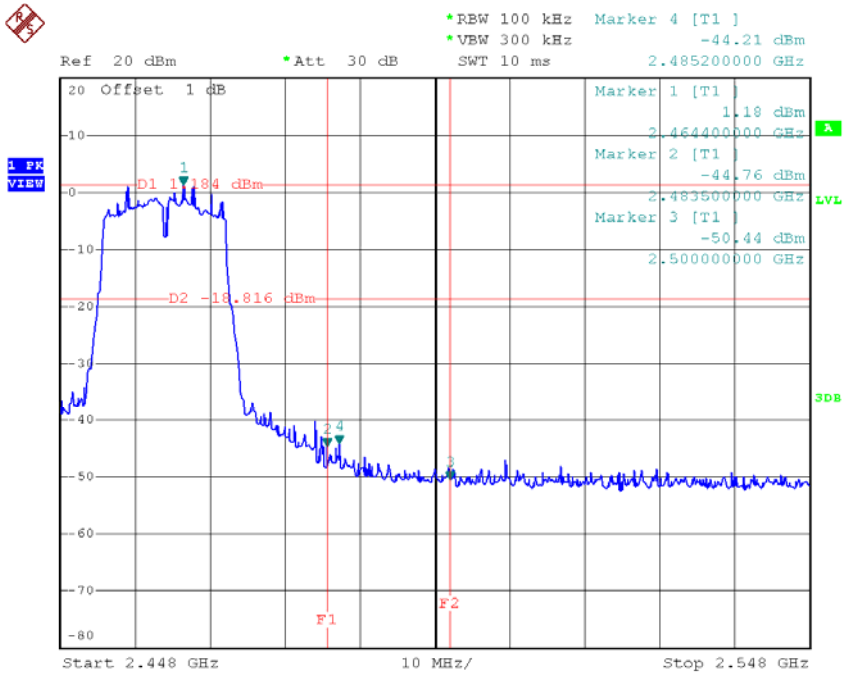
Test Mode :	TX G Mode

TX G mode CH01



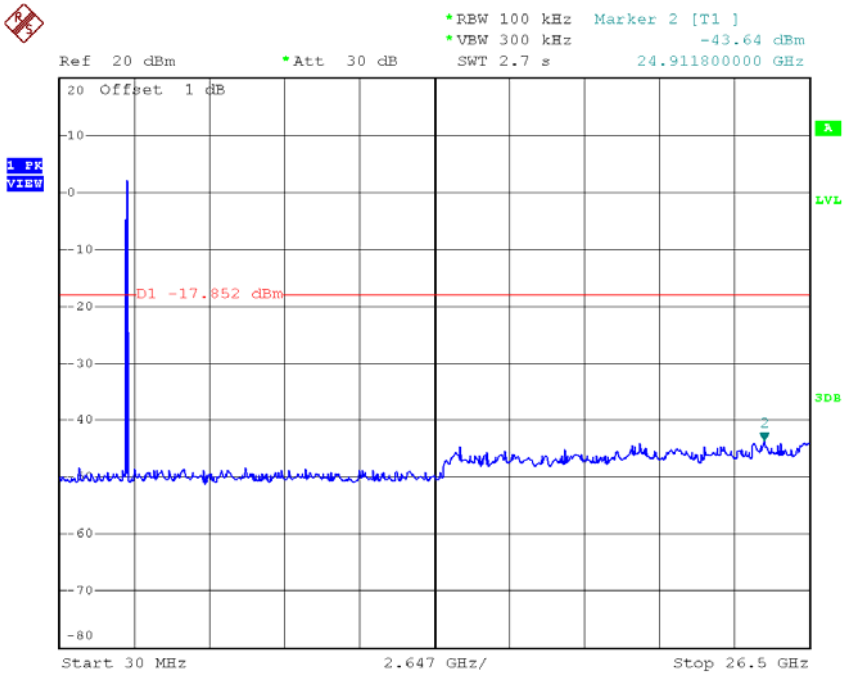
Date: 8.OCT.2015 11:25:23

TX G mode CH11



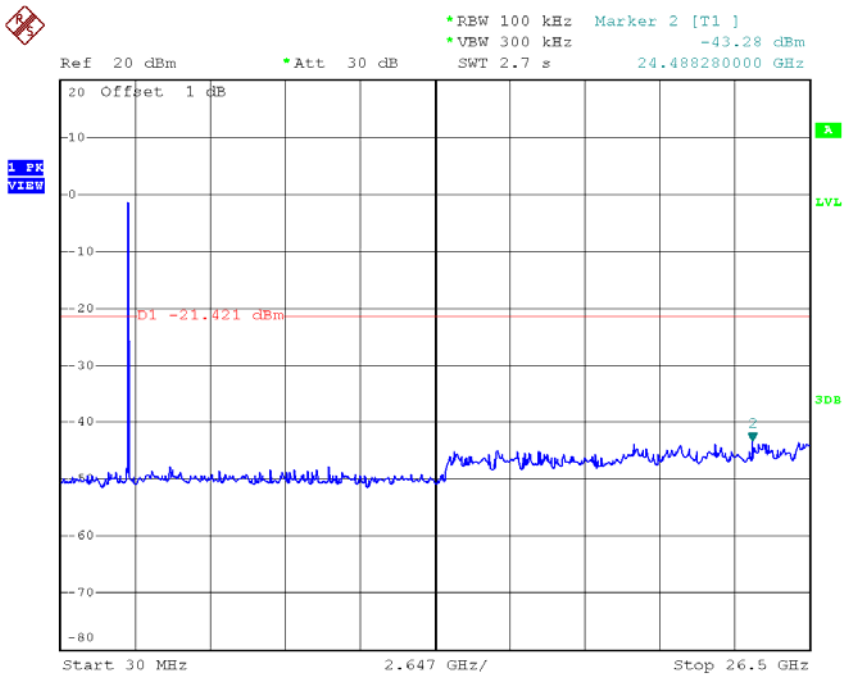
Date: 8.OCT.2015 11:27:53

TX G mode CH01 (10 Harmonic of the frequency)



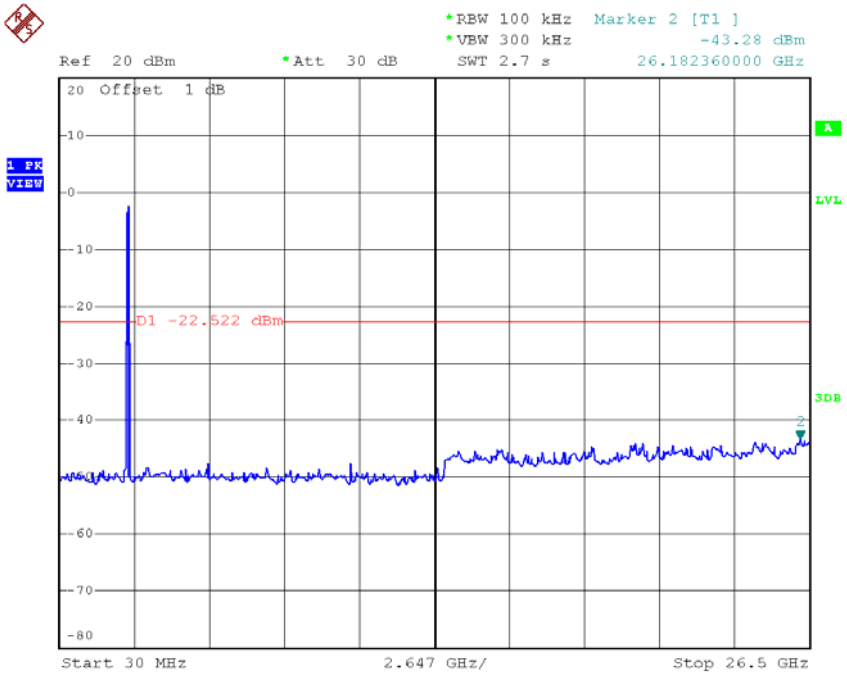
Date: 8.OCT.2015 11:25:15

TX G mode CH06 (10 Harmonic of the frequency)



Date: 8.OCT.2015 11:26:34

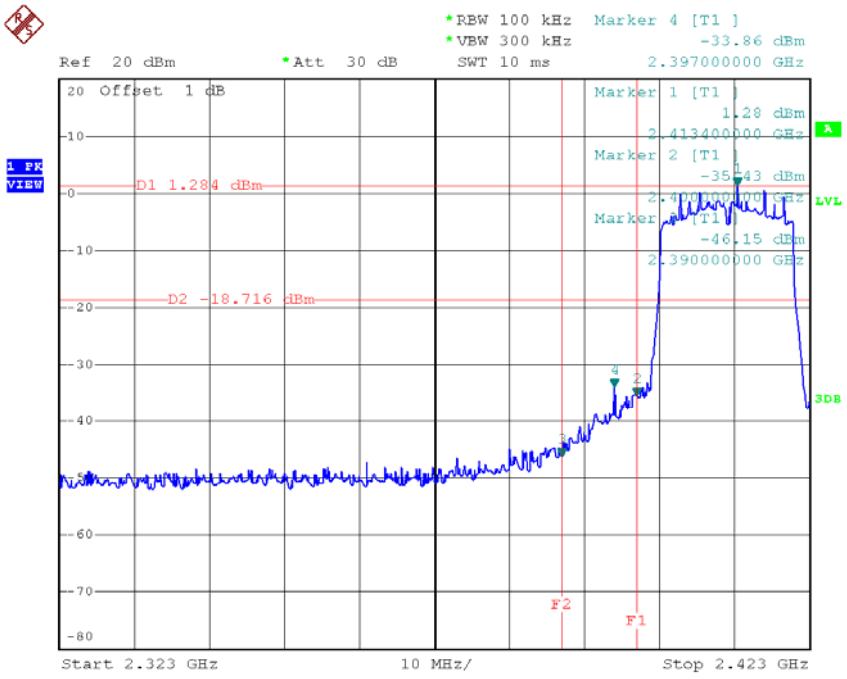
TX G mode CH11 (10 Harmonic of the frequency)



Date: 8.OCT.2015 11:27:45

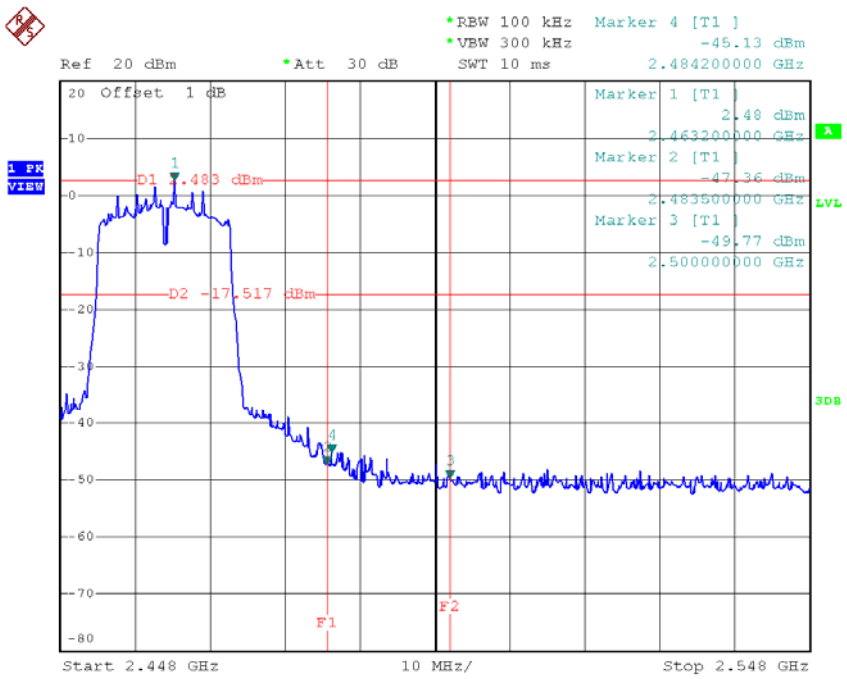
Test Mode :	TX N-20M Mode

TX HT20 mode CH01



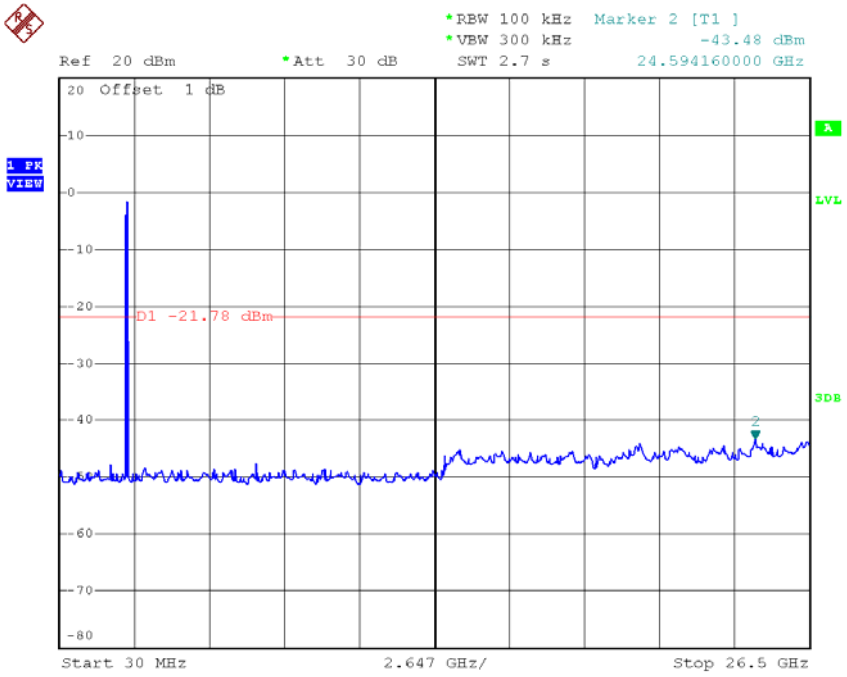
Date: 8.OCT.2015 11:38:33

TX HT20 mode CH11



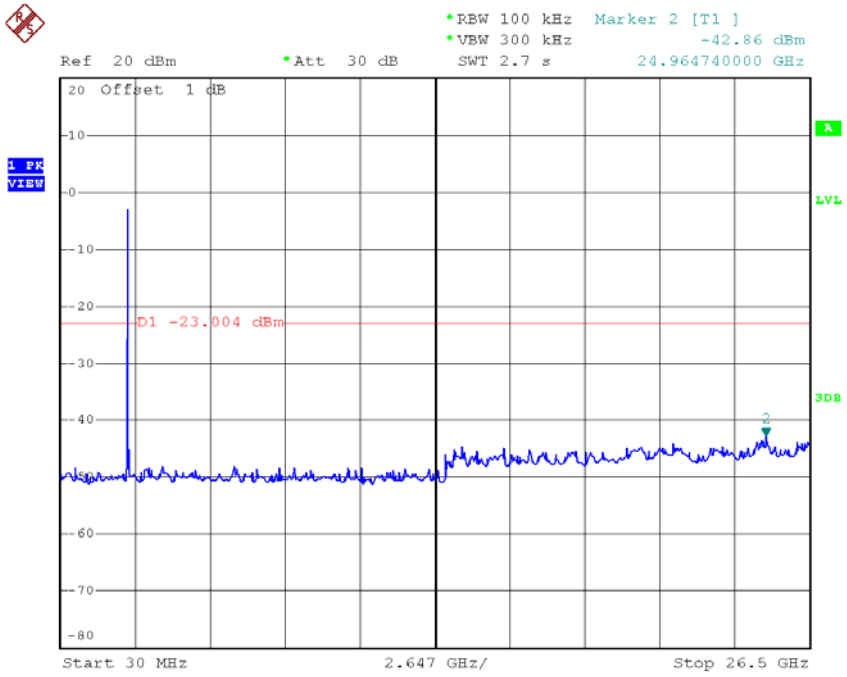
Date: 8.OCT.2015 11:32:31

TX HT20 mode CH01 (10 Harmonic of the frequency)



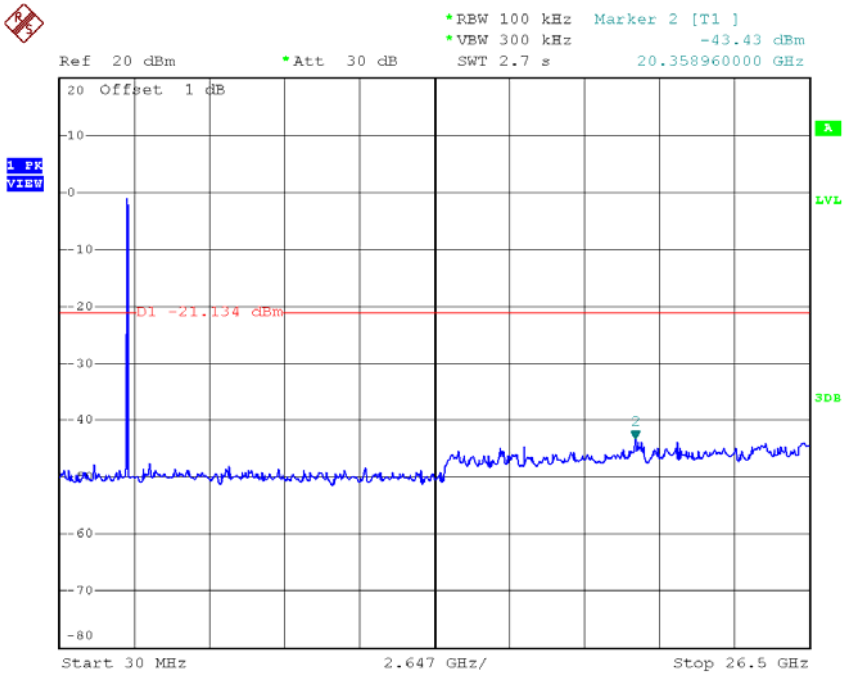
Date: 8.OCT.2015 11:29:47

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 8.OCT.2015 11:30:56

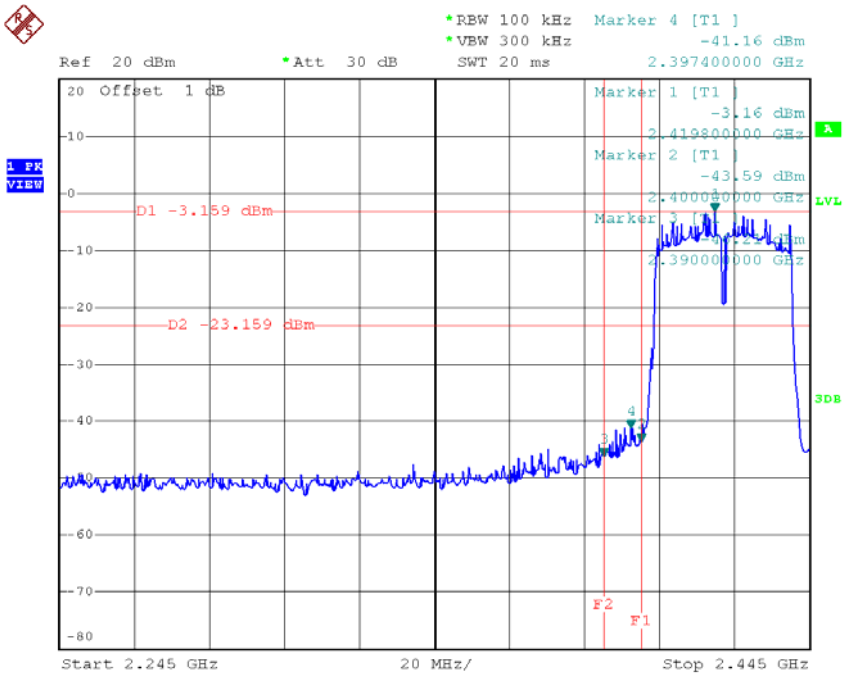
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 8.OCT.2015 11:32:23

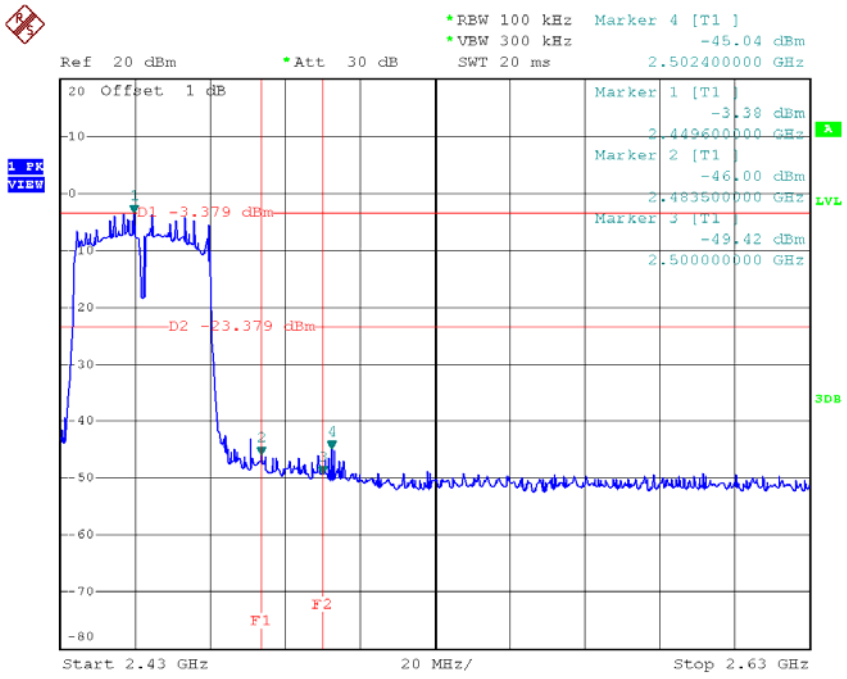
Test Mode :	TX N-40M Mode

TX HT40 mode CH03



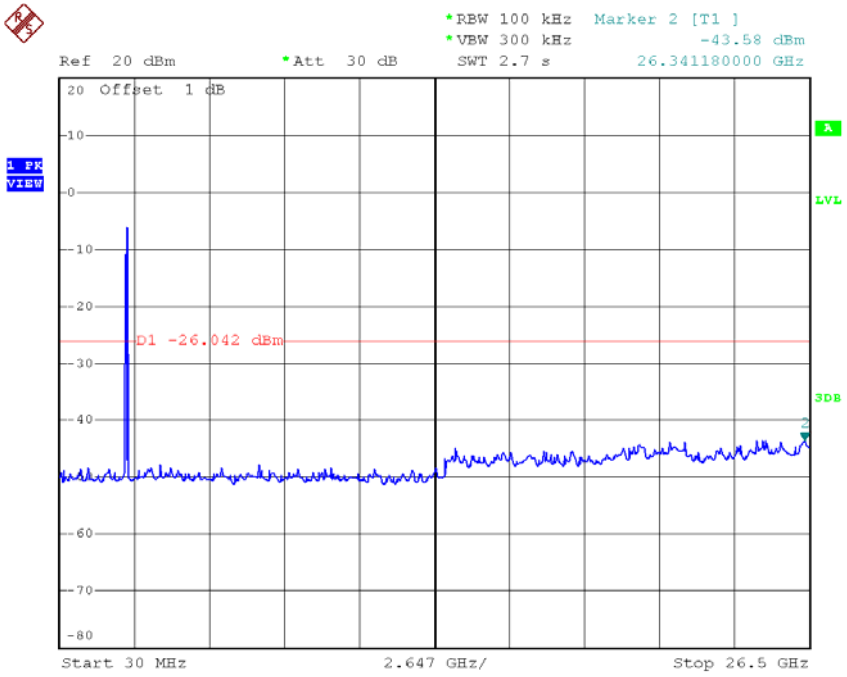
Date: 8.OCT.2015 11:34:08

TX HT40 mode CH09



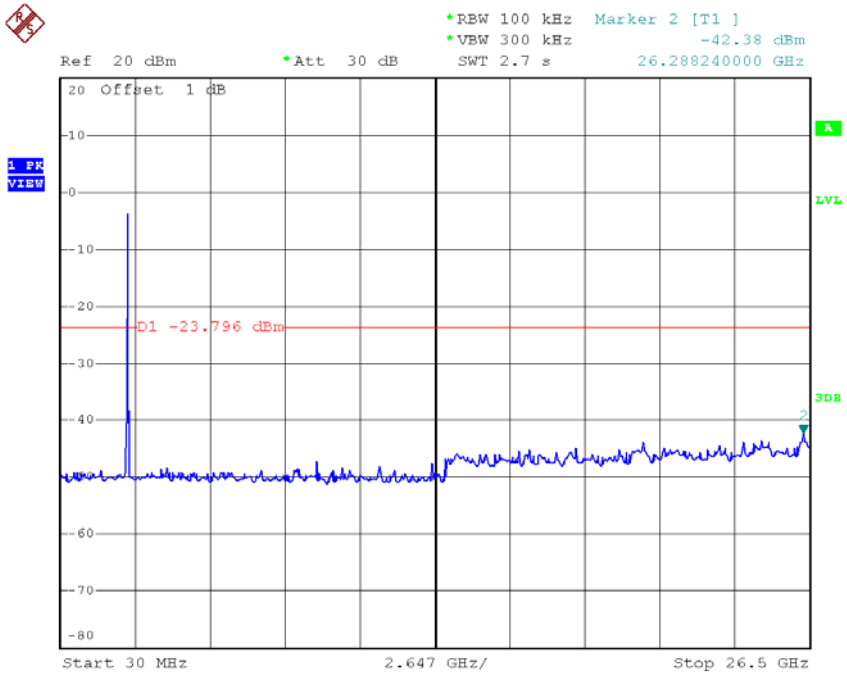
Date: 8.OCT.2015 11:36:30

TX HT40 mode CH03 (10 Harmonic of the frequency)



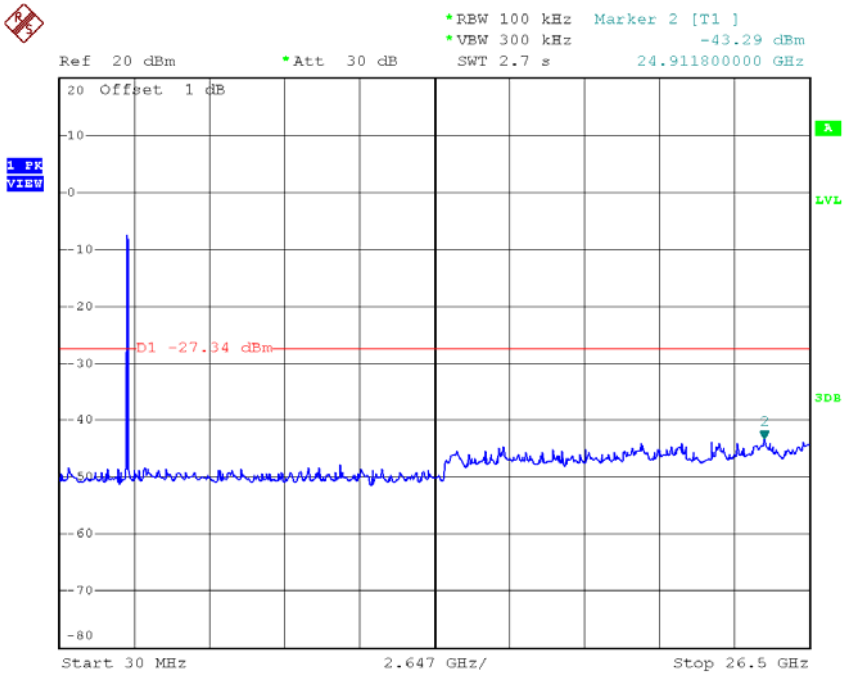
Date: 8.OCT.2015 11:34:00

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 8.OCT.2015 11:35:17

TX HT40 mode CH09 (10 Harmonic of the frequency)



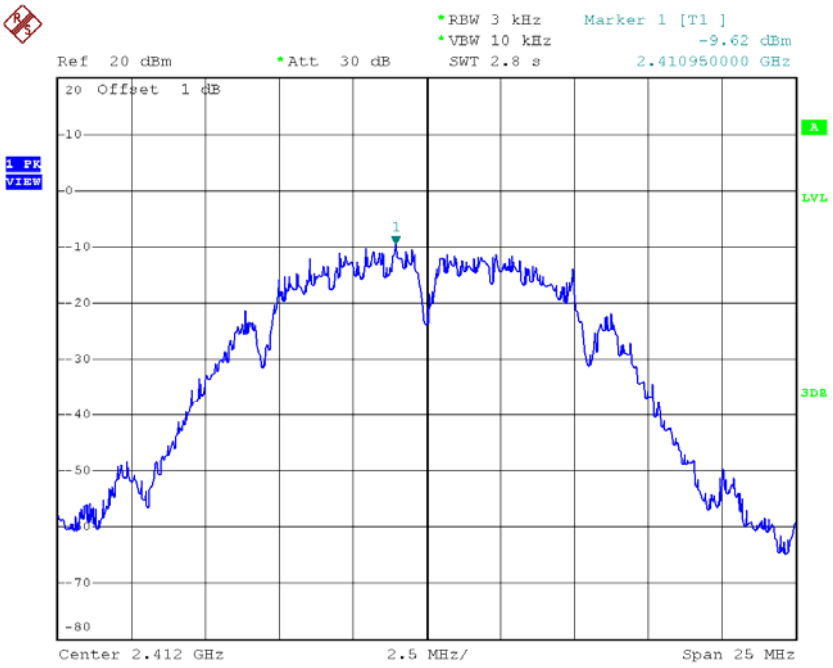
Date: 8.OCT.2015 11:36:21

ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode_CH01/06/11				

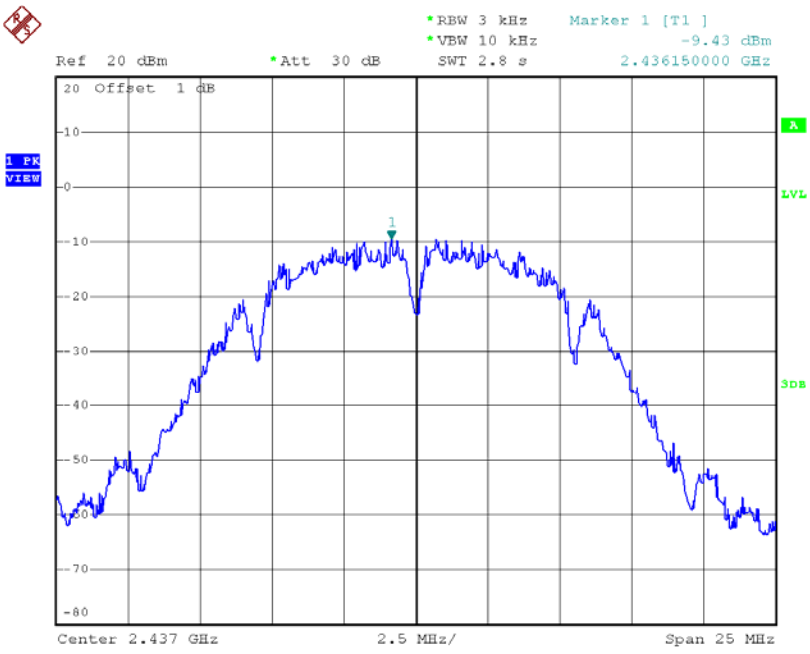
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.62	0.11	8.00	Complies
2437	-9.43	0.11	8.00	Complies
2462	-8.66	0.14	8.00	Complies

TX CH01



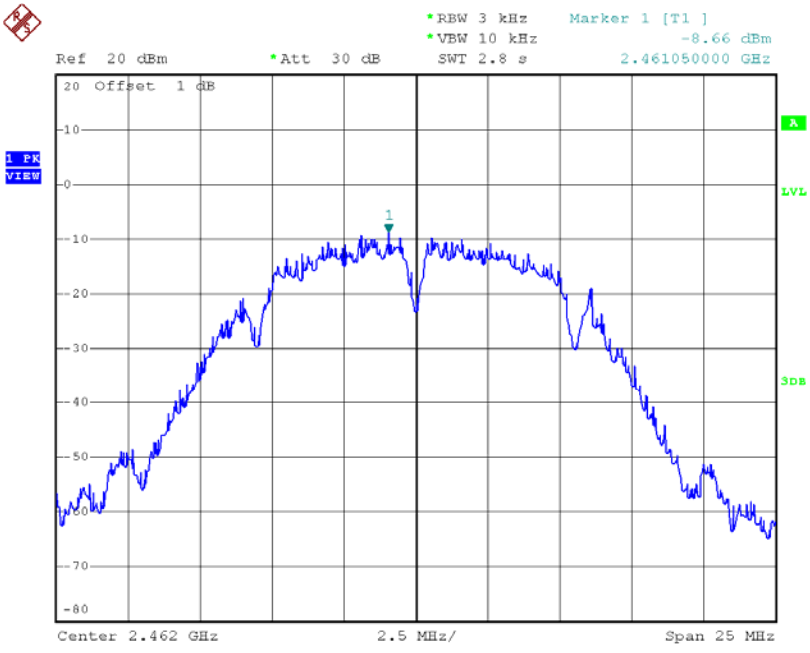
Date: 8.OCT.2015 11:20:25

TX CH06



Date: 8.OCT.2015 11:22:06

TX CH11

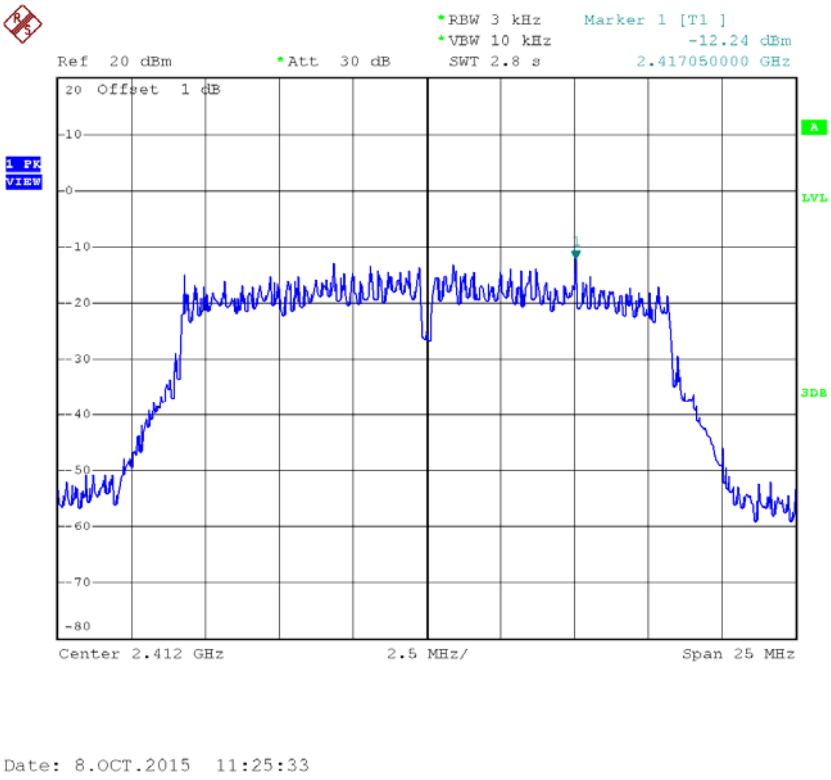


Date: 8.OCT.2015 11:23:57

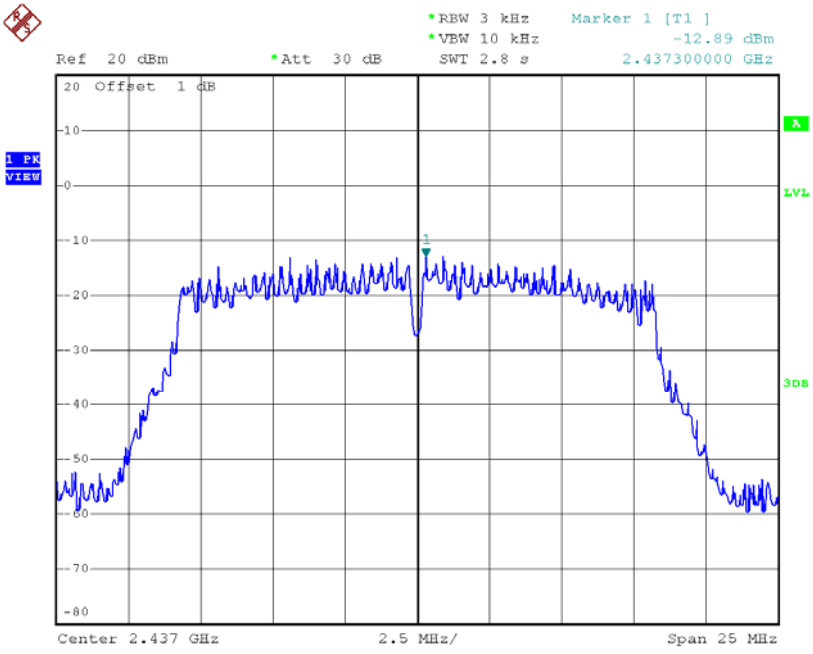
Test Mode :TX G Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.24	0.06	8.00	Complies
2437	-12.89	0.05	8.00	Complies
2462	-13.84	0.04	8.00	Complies

TX CH01

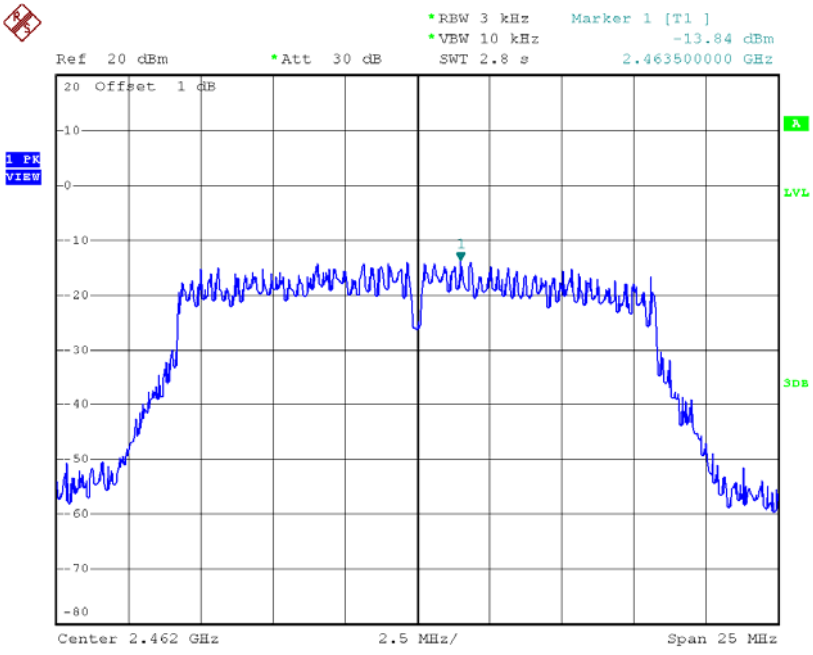


TX CH06



Date: 8.OCT.2015 11:26:44

TX CH11

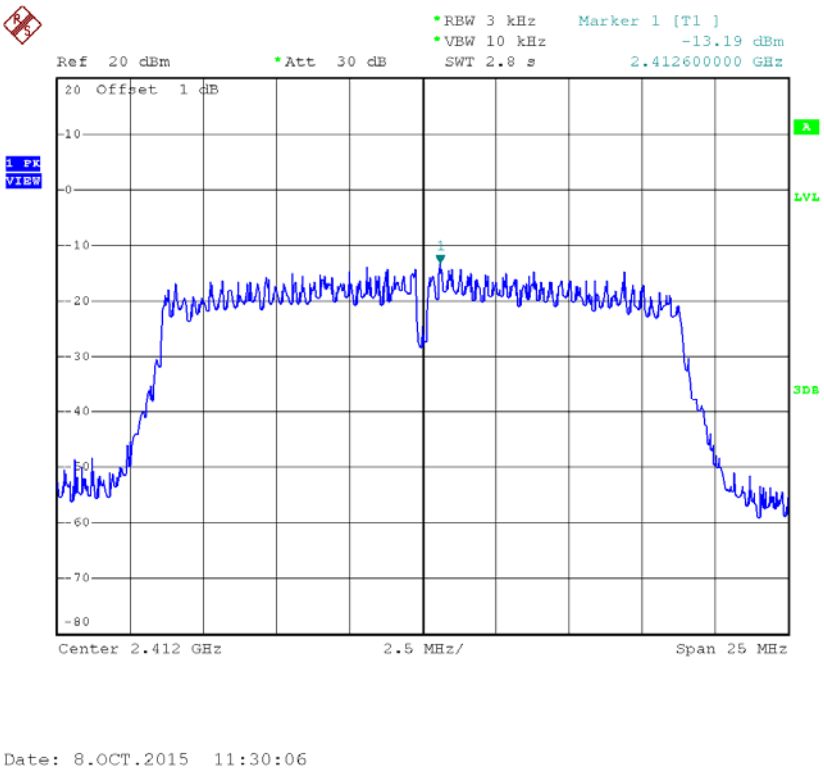


Date: 8.OCT.2015 11:28:03

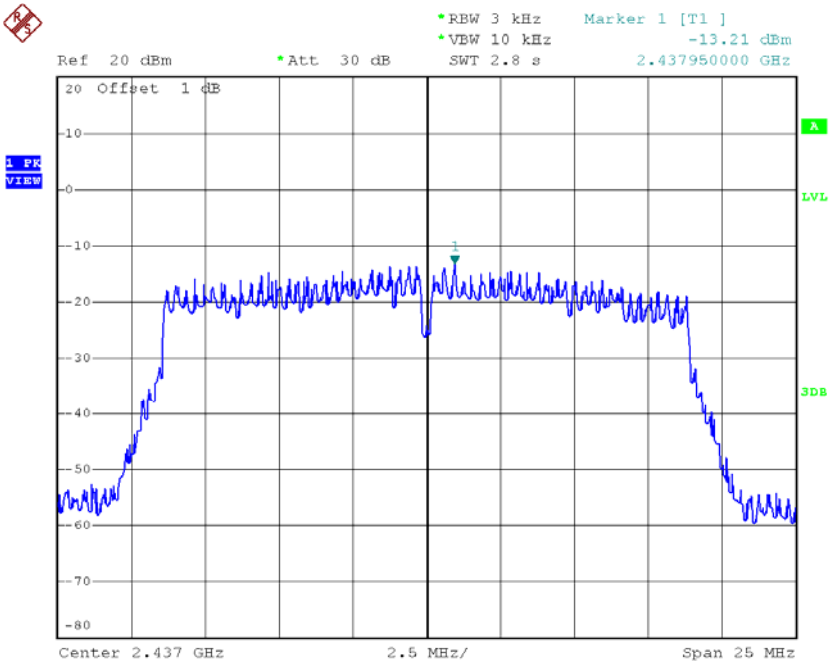
Test Mode : TX N-20M Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-13.19	0.05	8.00	Complies
2437	-13.21	0.05	8.00	Complies
2462	-12.10	0.06	8.00	Complies

TX CH01

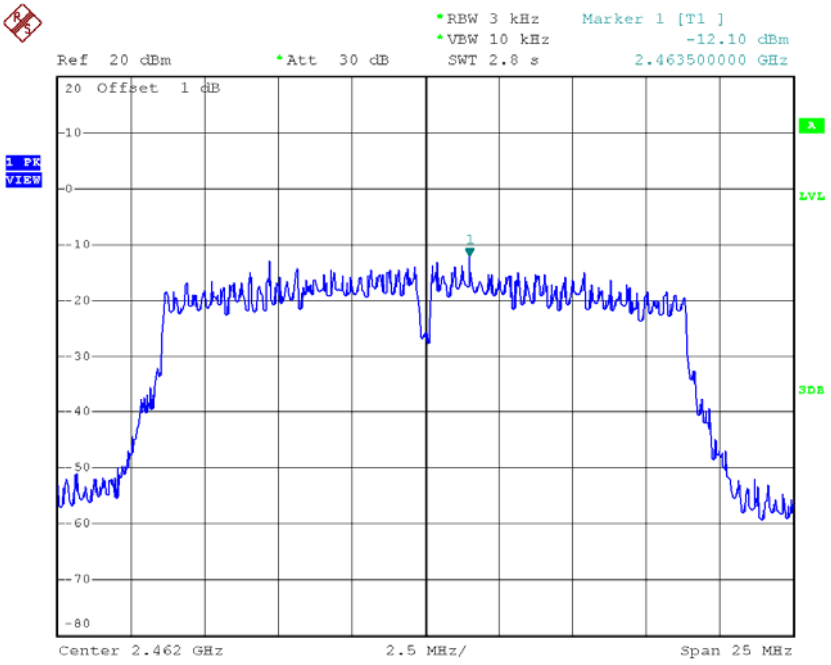


TX CH06



Date: 8.OCT.2015 11:31:05

TX CH11

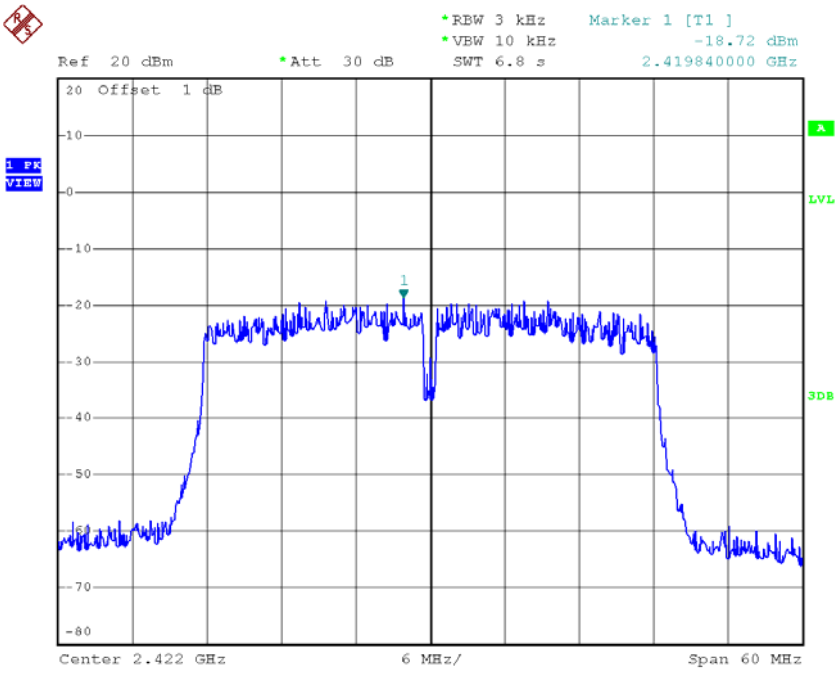


Date: 8.OCT.2015 11:32:41

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

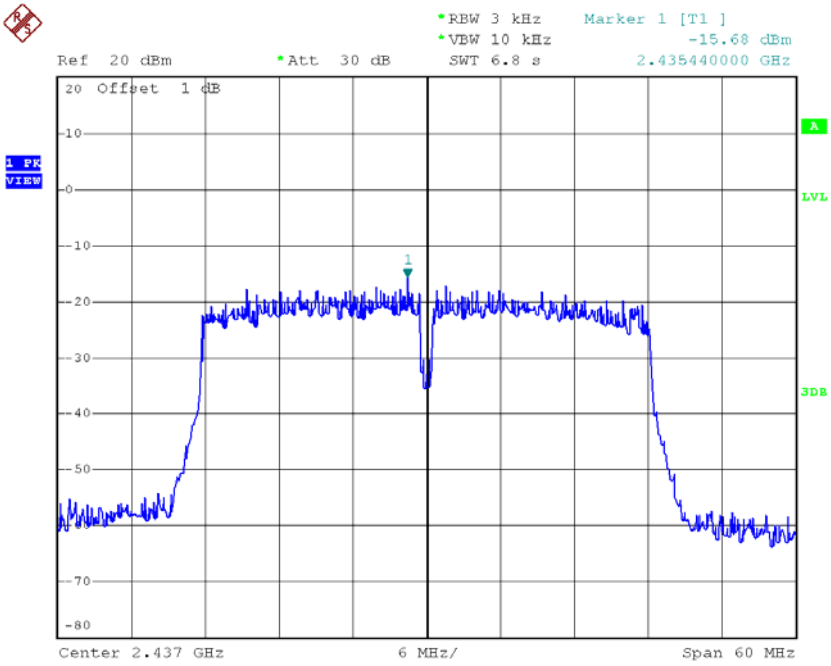
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-18.72	0.01	8.00	Complies
2437	-15.68	0.03	8.00	Complies
2452	-18.99	0.01	8.00	Complies

TX CH03



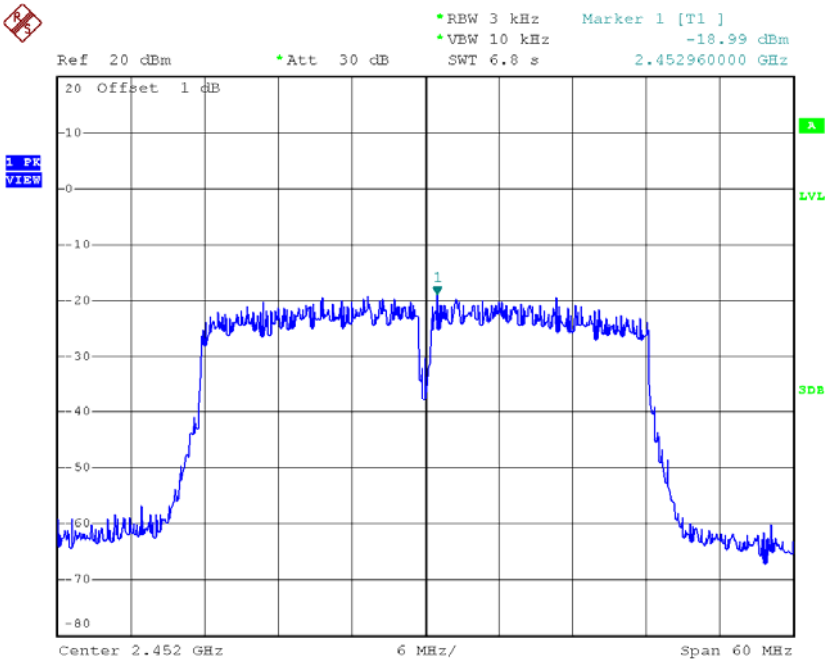
Date: 8.OCT.2015 11:34:21

TX CH06



Date: 8.OCT.2015 11:35:29

TX CH09



Date: 8.OCT.2015 11:36:43