FCC Radio Test Report

FCC ID: YJYK3

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

Project No.	:	1710C304
Equipment	:	AC3150 Dual-band Gigabit Wireless Router
Model Name	:	K3
Applicant	:	Phicomm (Shanghai) Co., Ltd.
Address	:	No.3666, Sixian Rd., Songjiang District, Shanghai, China

Date of Receipt	:	Oct. 30, 2017
Date of Test	:	Oct. 30, 2017~ Dec. 22, 2017
Issued Date	:	Dec. 25, 2017
Tested by	:	BTL Inc.

Testing Engineer : shawn xiao
(Shawn Xiao)

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(David Mao)

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NVLAP® TESTING NVLAP LAB CODE 200788-0

Declaration

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Limitation

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

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1710C304	Original Issue.	Dec. 25, 2017

1. CERTIFICATION

Equipment	:	AC3150 Dual-band Gigabit Wireless Router
Brand Name	:	PHICOMM
Model Name	:	K3
Applicant	:	Phicomm (Shanghai) Co., Ltd.
Manufacturer	:	Phicomm (Shanghai) Co., Ltd.
Address	:	No.3666, Sixian Rd., Songjiang District, Shanghai, China
Date of Test	:	Oct. 30, 2017~ Dec. 22, 2017
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1710C304) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C			
Standard(s) Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	
15.247(d)/ 15.205/ 15.209	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 designation number for FCC: CN5020

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	AC3150 Dual-band Gigabit Wireless Router	
Brand Name	PHICOMM	
Model Name	K3	
Mode Different	N/A	
Product Description	Operation Frequency	2412~2462 MHz
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM 802.11ac: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 600Mbps 802.11ac up to 1000Mbps
	Output Power (Max.) Non-Beamforming	802.11b: 29.51dBm 802.11g: 29.38dBm 802.11n(20MHz): 29.26dBm 802.11n(40MHz): 29.38dBm 802.11ac (20M): 29.29dBm 802.11ac (40M): 29.41dBm
	Output Power (Max.) Beamforming	802.11n(20MHz): 26.13dBm 802.11n(40MHz): 26.09dBm 802.11ac (20M): 26.15dBm 802.11ac (40M): 26.11dBm
Power Source	DC voltage supplied from AC/DC adapter. Brand / Model: PHICOMM/ MSA-C4000IC12.0-60P-US	
Power Rating	I/P: 100-240VAC 50/60Hz 1.5A MAX O/P: 12V⎓4A	

Note:

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

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

3. Table for Filed Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	2
2	N/A	N/A	PCB	N/A	2
3	N/A	N/A	PCB	N/A	2
4	N/A	N/A	PCB	N/A	2

Note:

Antenna Gain=2 dBi. This EUT supports MIMO 4X4

1. Beamforming function, any transmit signals are correlated with each other, so Directional gain = G_{ANT}+10log(N)dBi, that is Directional gain =2+10log(4)dBi=8.02; So, the out power limit is 30-8.02+6=27.98, the power density limit is 8-8.02+6=5.98.
2. Non Beamforming function, any transmit signals are uncorrelated with each other, so Directional gain=Gant, that is Directional gain =2 < 6.

4.

Operating Mode / TX Mode	4TX
802.11b	V (ANT+1 ANT 2+ANT 3+ ANT 4)
802.11g	V (ANT+1 ANT 2+ANT 3+ ANT 4)
802.11n(20MHz)	V (ANT+1 ANT 2+ANT 3+ ANT 4)
802.11n(40MHz)	V (ANT+1 ANT 2+ANT 3+ ANT 4)
802.11ac (20MHz)	V (ANT+1 ANT 2+ANT 3+ ANT 4)
802.11ac (40MHz)	V (ANT+1 ANT 2+ANT 3+ ANT 4)

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	TX AC-20MHZ MODE CHANNEL 01/06/11
Mode 6	TX AC-40MHZ MODE CHANNEL 03/06/09
Mode 7	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 7	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
Mode 5	TX AC-20MHZ MODE CHANNEL 01/06/11
Mode 6	TX AC-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
Mode 5	TX AC-20MHZ MODE CHANNEL 01/06/11
Mode 6	TX AC-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
Mode 5	TX AC-20MHZ MODE CHANNEL 01/06/11
Mode 6	TX AC-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
Mode 5	TX AC-20MHZ MODE CHANNEL 01/06/11
Mode 6	TX AC-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
Mode 5	TX AC-20MHZ MODE CHANNEL 01/06/11
Mode 6	TX AC-40MHZ MODE CHANNEL 03/06/09

Note:

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

(2) 802.11b mode: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (13Mbps)
802.11n HT40 mode : BPSK (27Mbps)
For radiated emission tests, the highest output powers were set for final test.

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

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

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

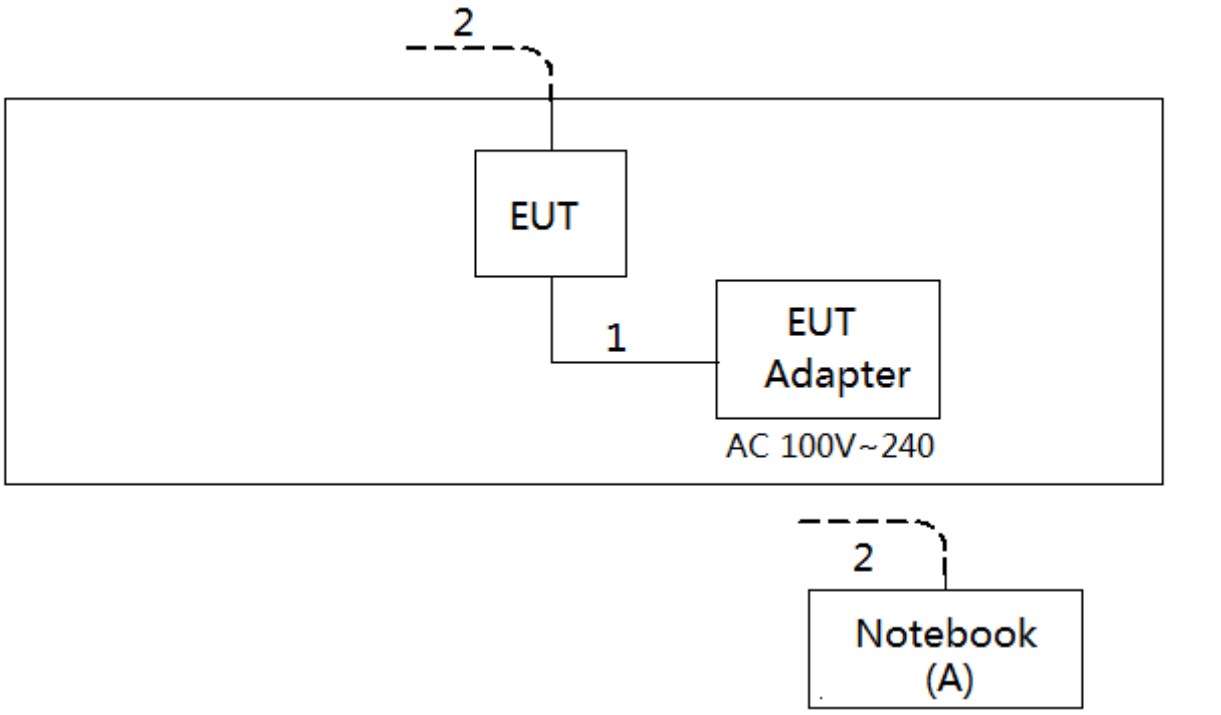
Non-Beamforming

Test software version	accessMTool_REL_3_0_0_2		
Frequency (MHz)	2412	2437	2462
802.11b	81	81	81
802.11g	64	64	63
802.11n (20MHz)	64	64	64
802.11ac (20MHz)	64	64	64
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	64	64	64
802.11ac (40MHz)	64	64	64

Beamforming

Test software version	accessMTool_REL_3_0_0_2		
Frequency (MHz)	2412	2437	2462
802.11n (20MHz)	46	46	46
802.11ac (20MHz)	46	46	46
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	46	46	46
802.11ac (40MHz)	46	46	46

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.8m	DC Cable
2	NO	NO	10m	RJ45 Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency of Emission (MHz)	Conducted Limit (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

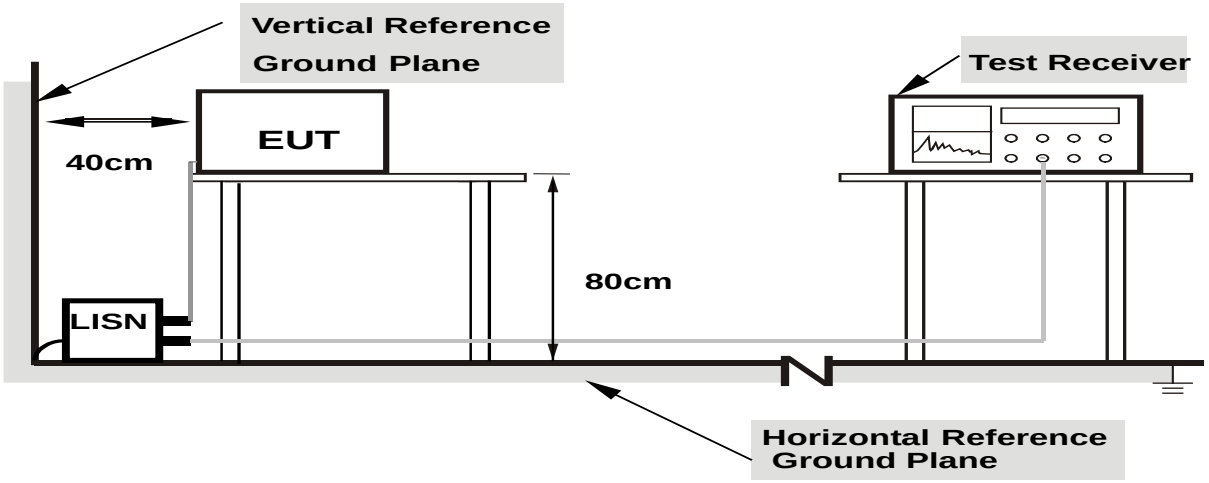
4.1.2 TEST PROCEDURE

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 equipment 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 Appendix A.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9KHz-1000MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	(dBuV/m) (at 3 meters)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

4.2.2 TEST PROCEDURE

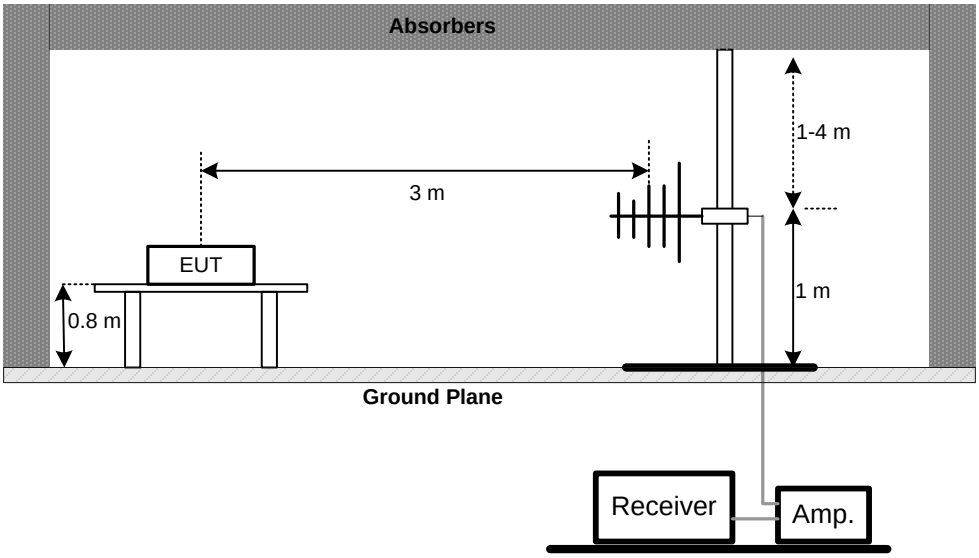
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
f. 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.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1GHz)
i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

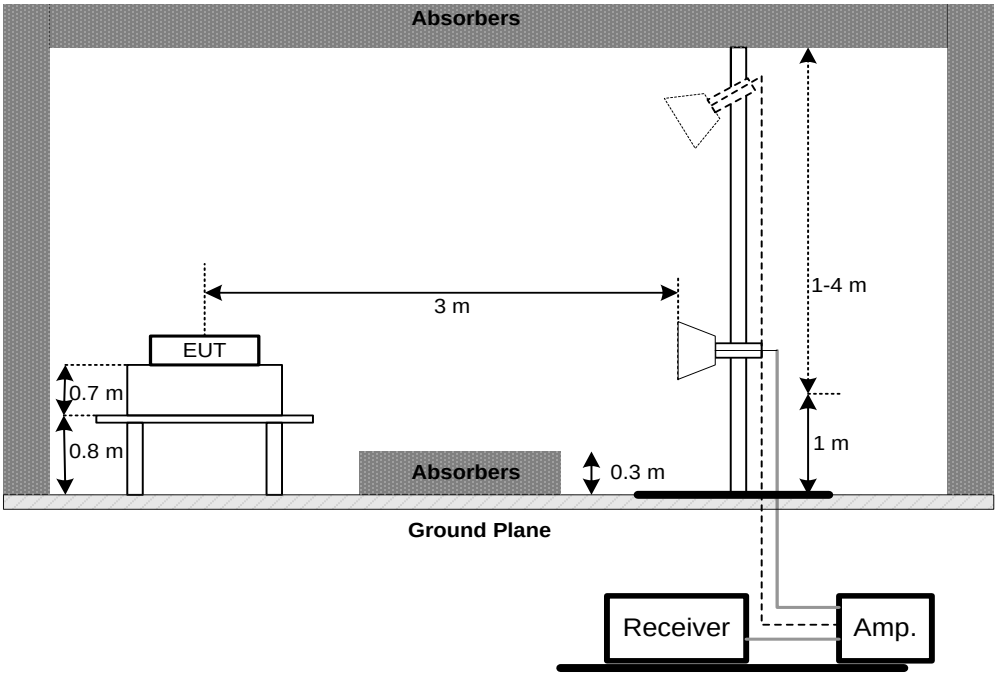
No deviation

4.2.4 TEST SETUP

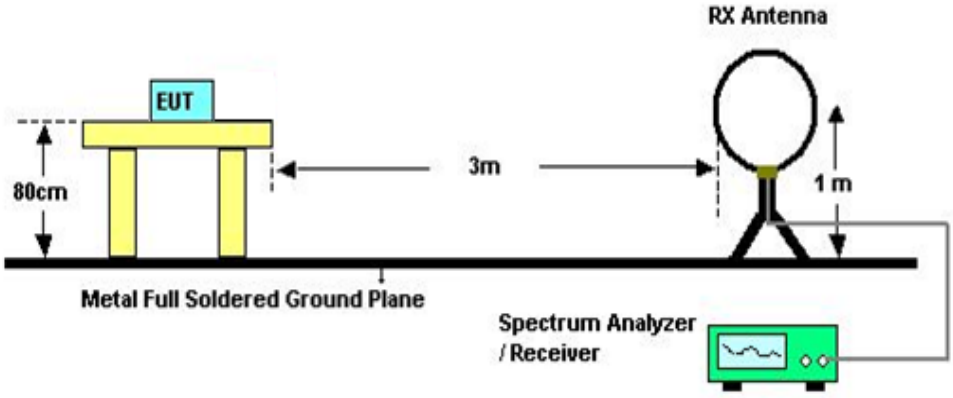
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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 Appendix 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 1000MHZ)

Please refer to the Appendix C.

4.2.9 TEST RESULTS (ABOVE 1000MHZ)

Please refer to the Appendix D.

Remark:

(1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	2400-2483.5	PASS

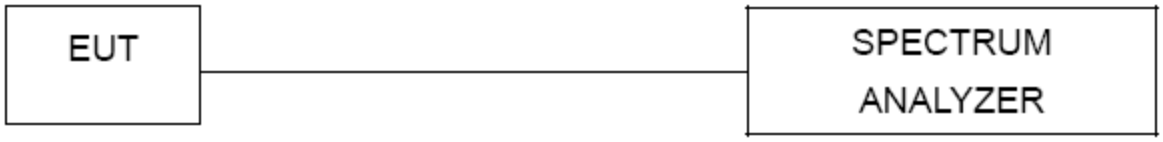
5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Appendix E.

6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance and FCC KDB 662911 D01 Multiple Transmitter Output.

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 Appendix 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 Appendix G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

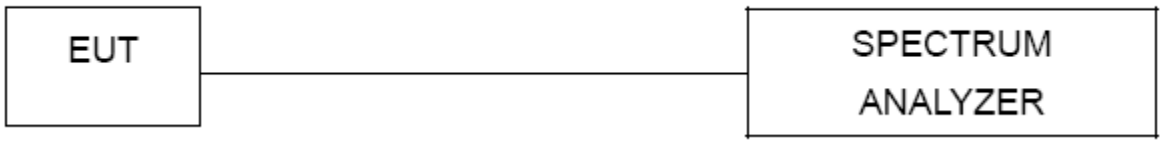
8.1.1 TEST PROCEDURE

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

8.1.6 TEST RESULTS

Please refer to the Appendix H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 26, 2018
2	LISN	EMCO	3816/2	52765	Mar. 26, 2018
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 26, 2018
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 26, 2018
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Oct. 19, 2018

Radiated Emission Below 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 19, 2018
3	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	Jun. 26, 2018
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Antenna	EM	EM-6876-1	230	Mar. 06, 2018

Radiated Emission Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 26, 2018
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 08, 2018
3	Amplifier	Agilent	8449B	3008A02274	May. 16, 2018
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
5	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
6	Antenna	EM	EM-6876-1	230	Mar. 06, 2018
7	Controller	CT	SC100	N/A	N/A
8	Controller	MF	MF-7802	MF780208416	N/A
9	Cable	emci	EMC104-SM-SM-1 2000(12m)	N/A	Jun. 26, 2018
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 2018

Peak Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Mar. 26, 2018
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 26, 2018

Antenna Conducted Spurious Emission					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 2018

Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 2018

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

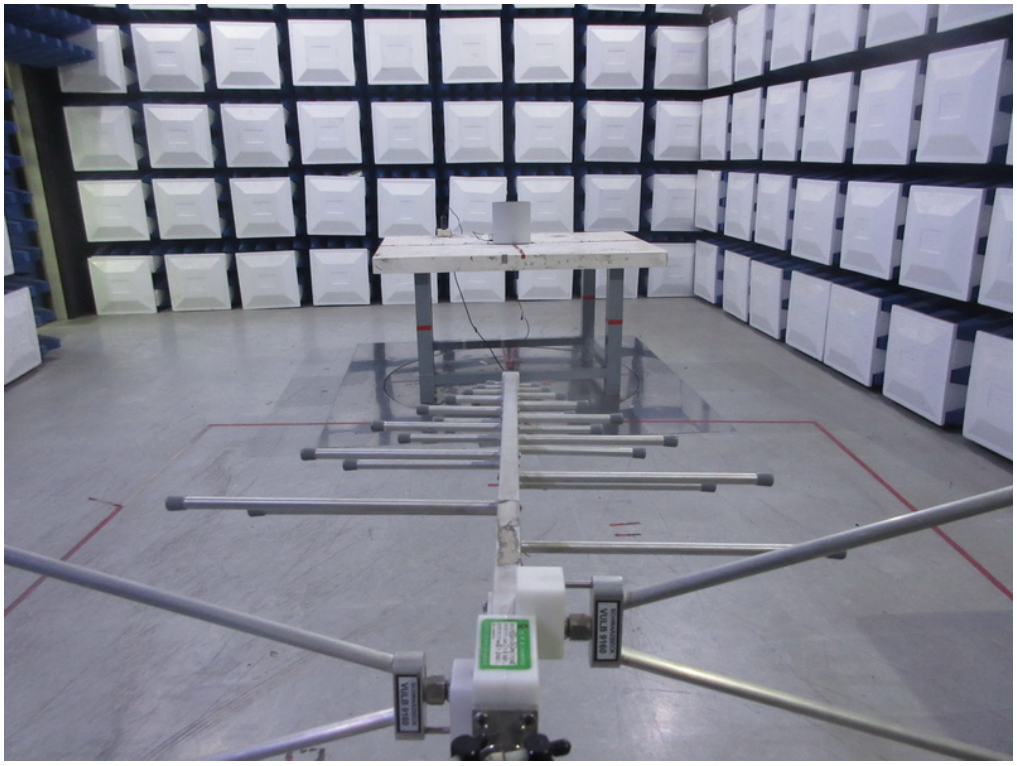
Conducted Measurement Photos

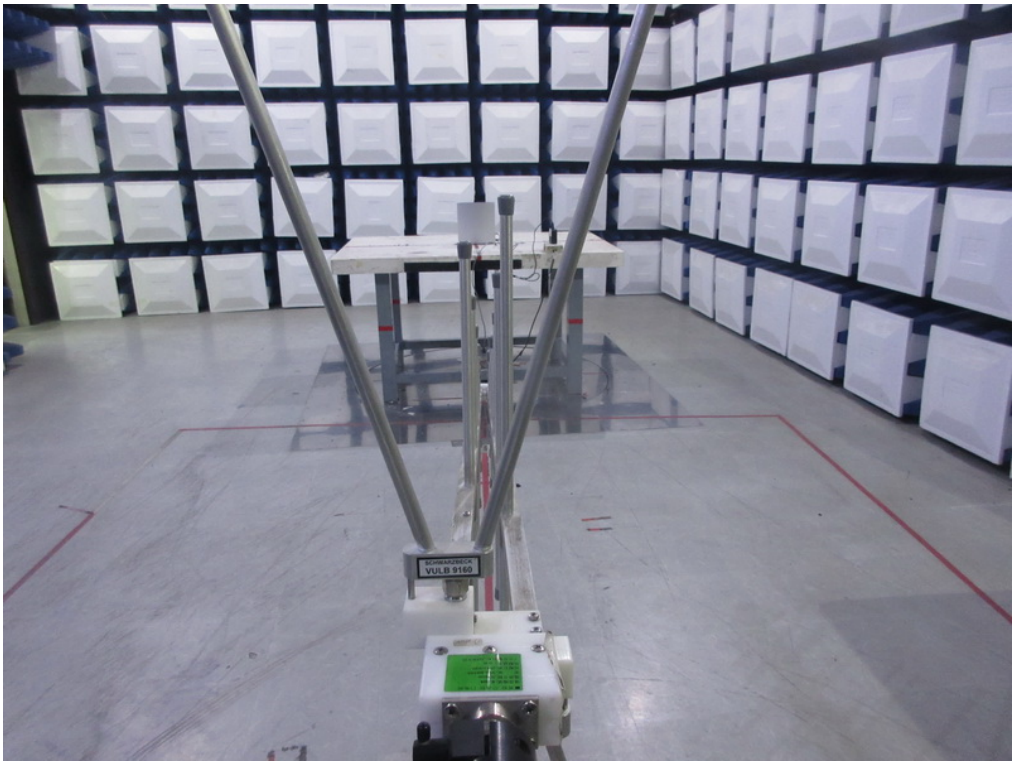
Radiated Measurement Photos

9KHz to 30MHz

Radiated Measurement Photos

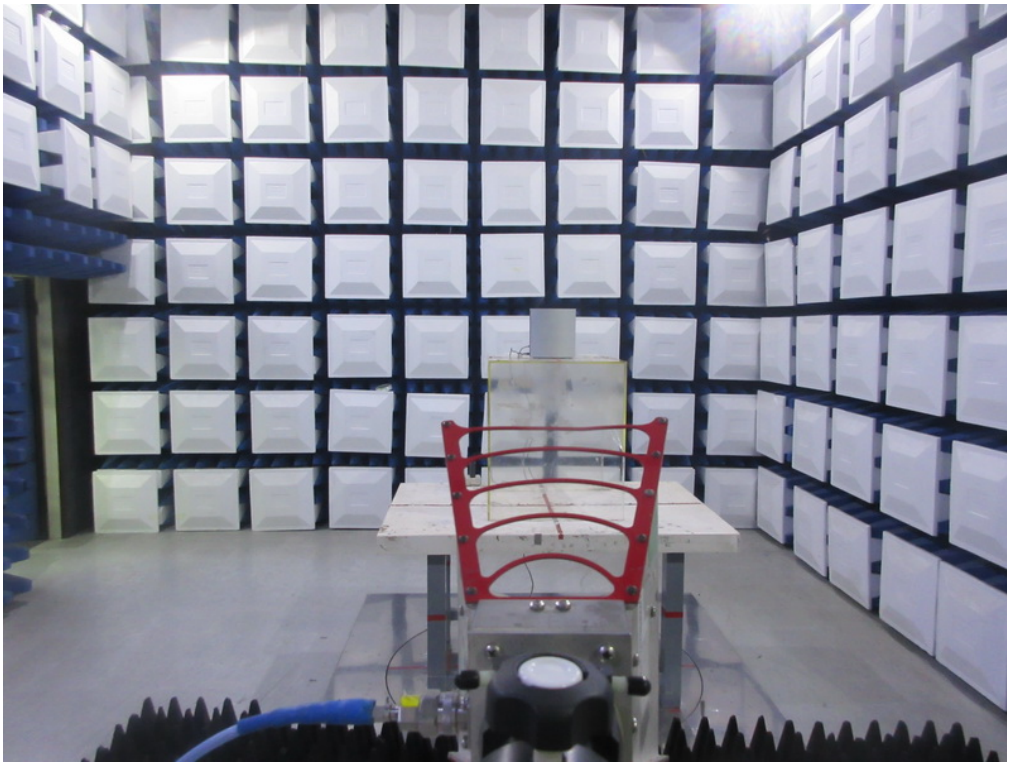
30MHz to 1000MHz

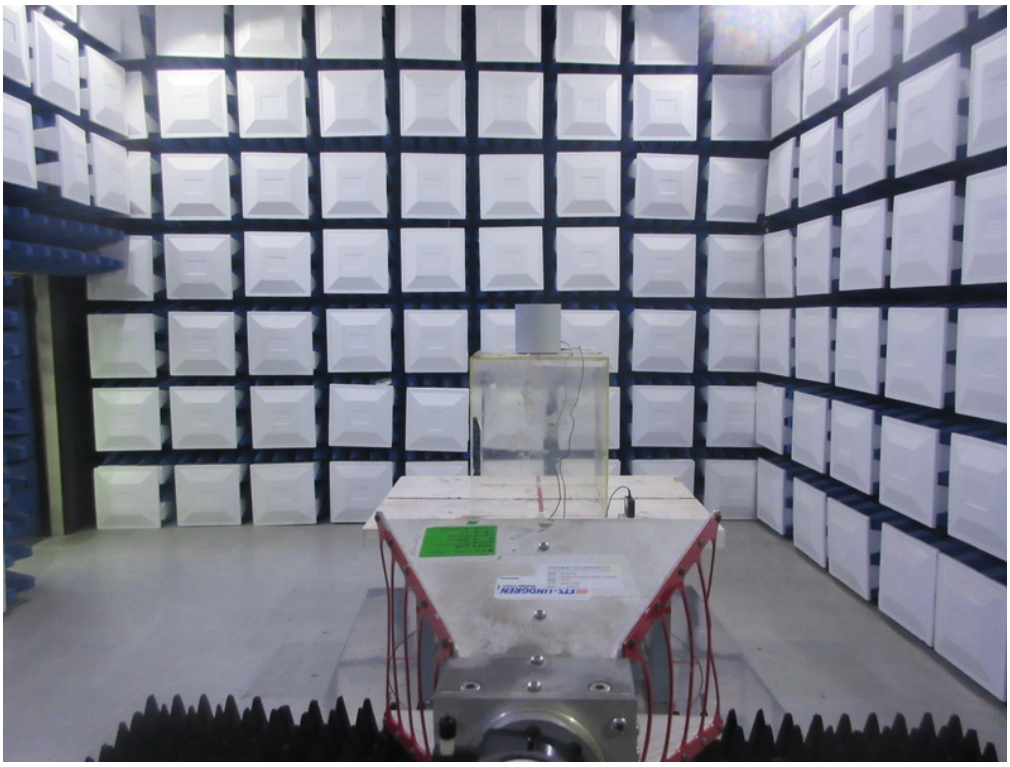




Radiated Measurement Photos

Above 1000MHz

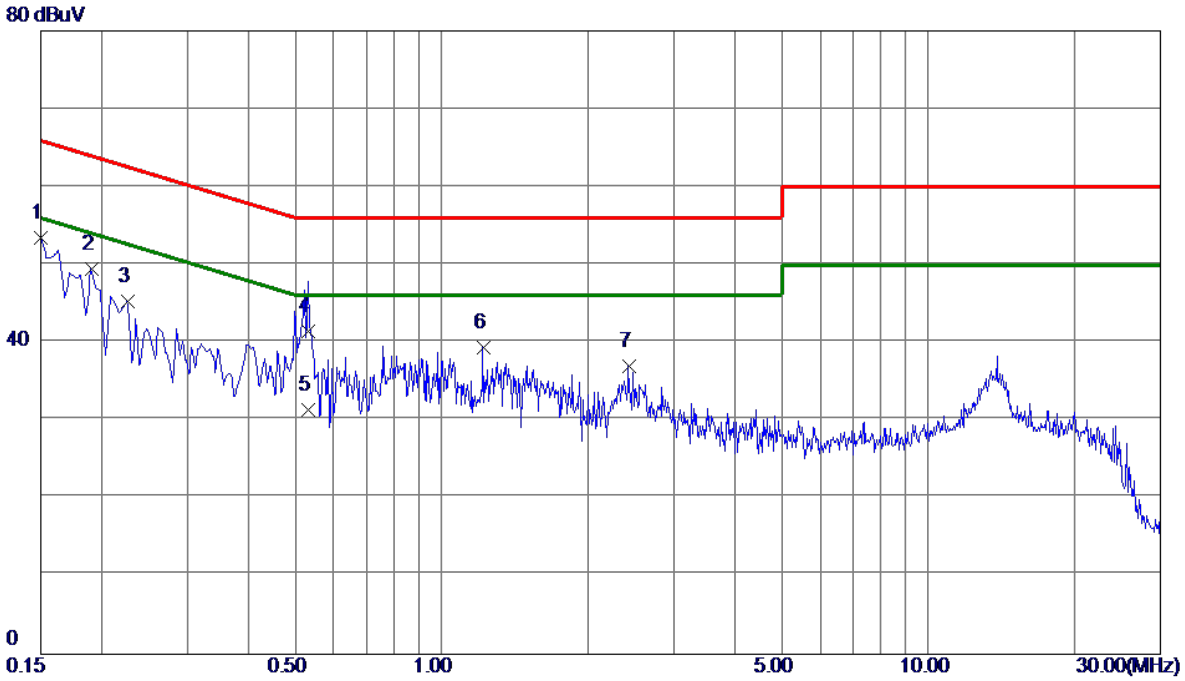




APPENDIX A - CONDUCTED EMISSION

Test Mode :	Normal Link

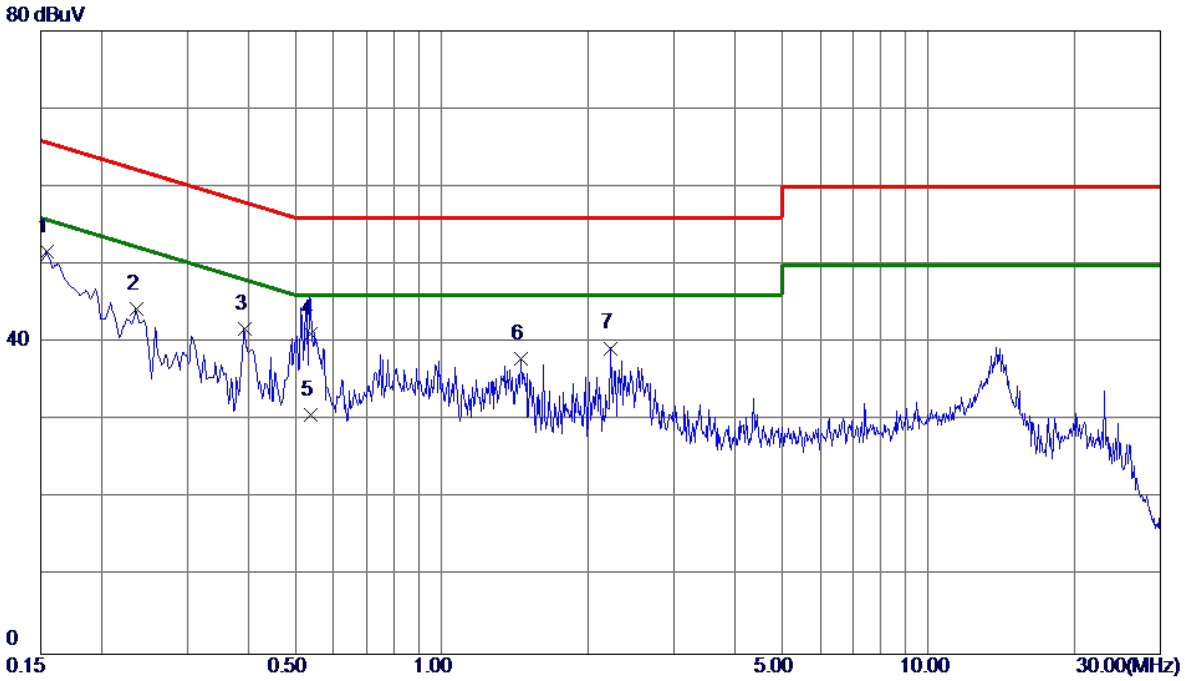
Line



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1500	43.82	9.68	53.50	66.00	-12.50	Peak	
2	0.1905	39.77	9.69	49.46	64.01	-14.55	Peak	
3	0.2265	35.56	9.68	45.24	62.58	-17.34	Peak	
4	0.5325	31.75	9.70	41.45	56.00	-14.55	QP	
5	0.5325	21.64	9.70	31.34	46.00	-14.66	AVG	
6	1.2164	29.56	9.76	39.32	56.00	-16.68	Peak	
7	2.4270	27.06	9.86	36.92	56.00	-19.08	Peak	

Test Mode :	Normal Link

Neutral

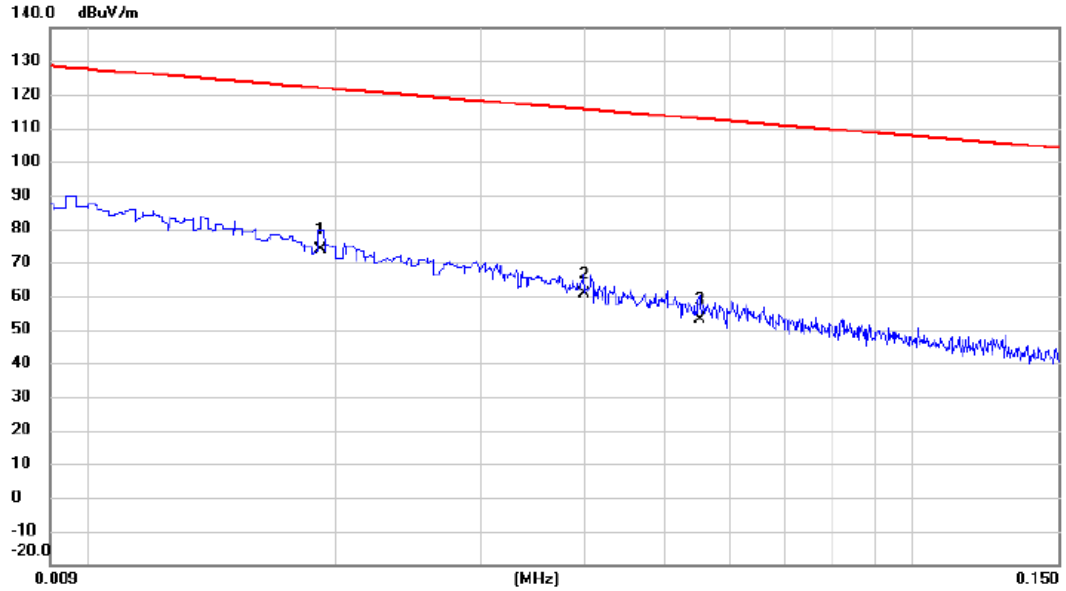


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1545	42.04	9.68	51.72	65.75	-14.03	Peak	
2	0.2355	34.63	9.68	44.31	62.25	-17.94	Peak	
3	0.3930	32.06	9.69	41.75	58.00	-16.25	Peak	
4	0.5370	31.49	9.70	41.19	56.00	-14.81	QP	
5	0.5370	21.09	9.70	30.79	46.00	-15.21	AVG	
6	1.4595	28.21	9.78	37.99	56.00	-18.01	Peak	
7	2.2290	29.42	9.86	39.28	56.00	-16.72	Peak	

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

Test Mode:	TX MODE

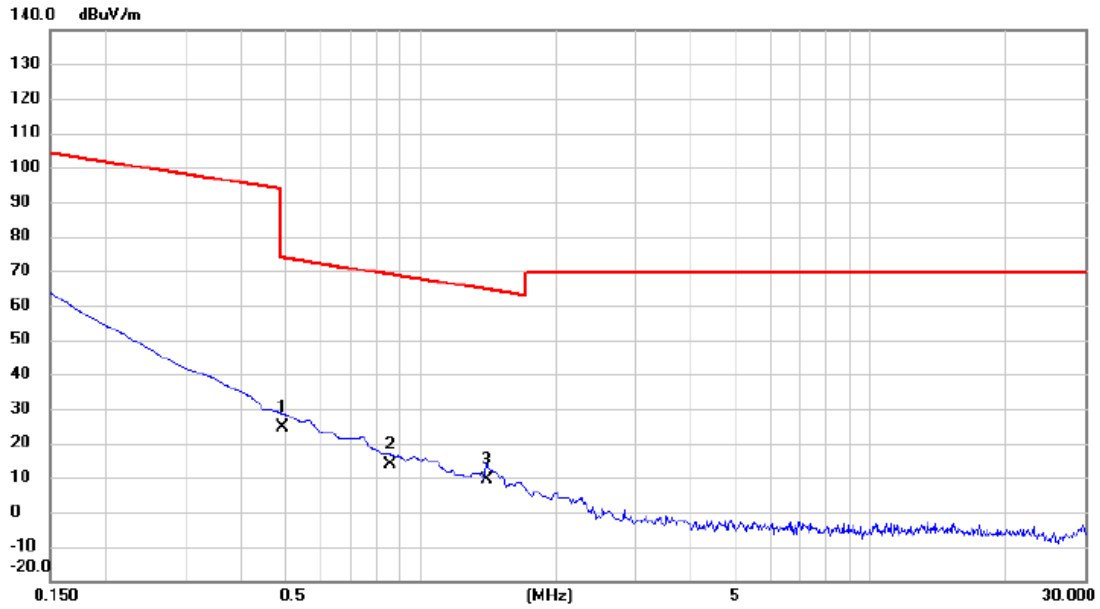
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0192	54.23	19.72	73.95	121.94	-47.99	AVG	
2		0.0400	41.51	19.02	60.53	115.56	-55.03	AVG	
3		0.0552	34.53	18.63	53.16	112.77	-59.61	AVG	

Test Mode:	TX MODE

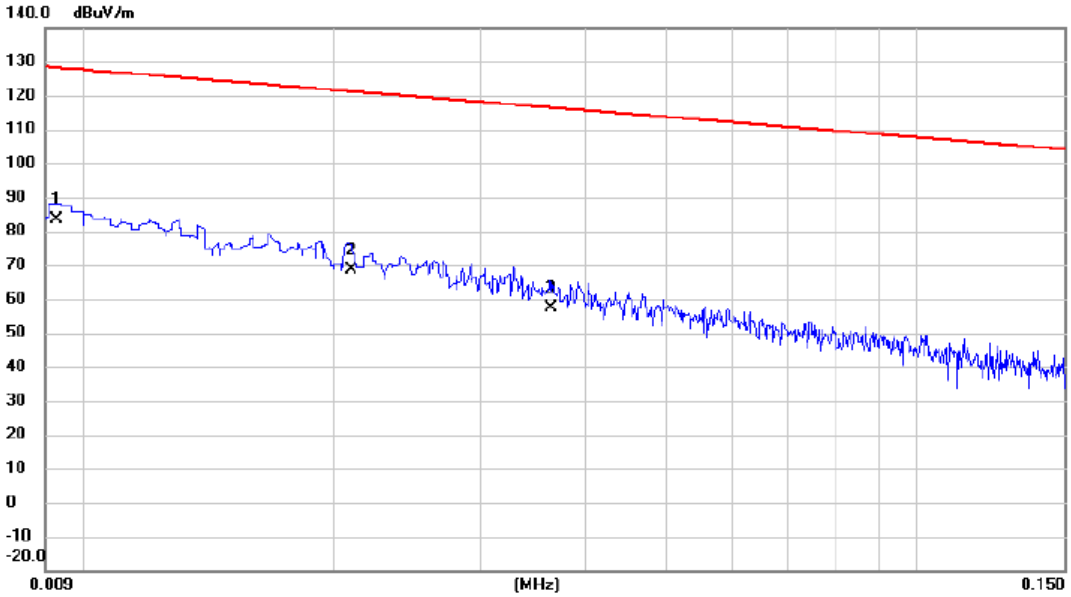
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.4941	8.21	16.47	24.68	73.73	-49.05	QP	
2		0.8573	-2.29	16.05	13.76	68.94	-55.18	QP	
3		1.4037	-6.42	15.74	9.32	64.66	-55.34	QP	

Test Mode:	TX MODE

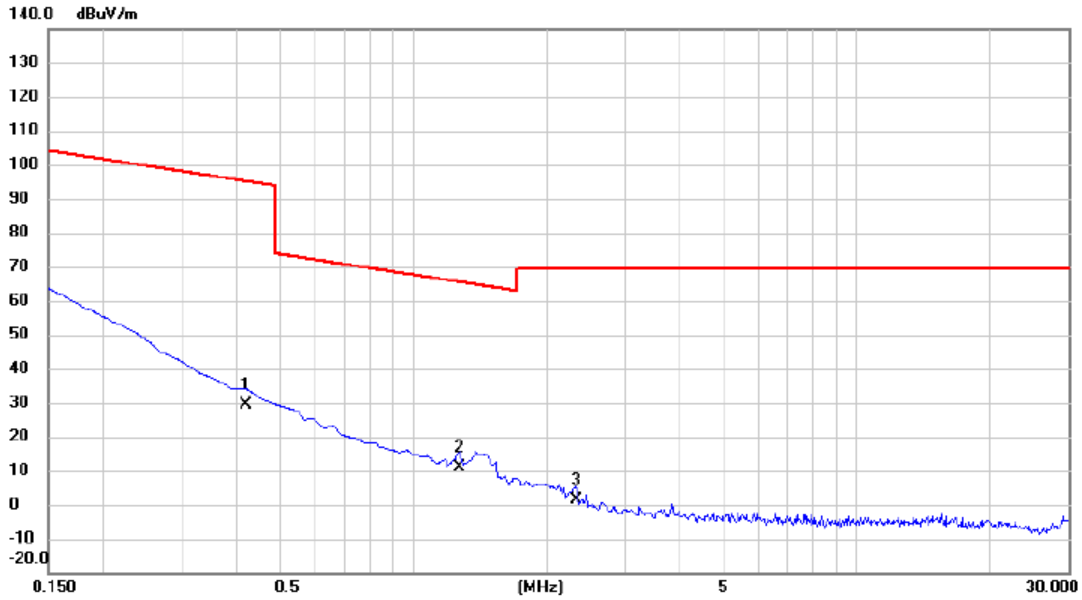
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0093	62.19	21.06	83.25	128.24	-44.99	AVG	
2		0.0210	49.03	19.59	68.62	121.16	-52.54	AVG	
3		0.0364	38.14	19.13	57.27	116.38	-59.11	AVG	

Test Mode:	TX MODE

Ant 90°

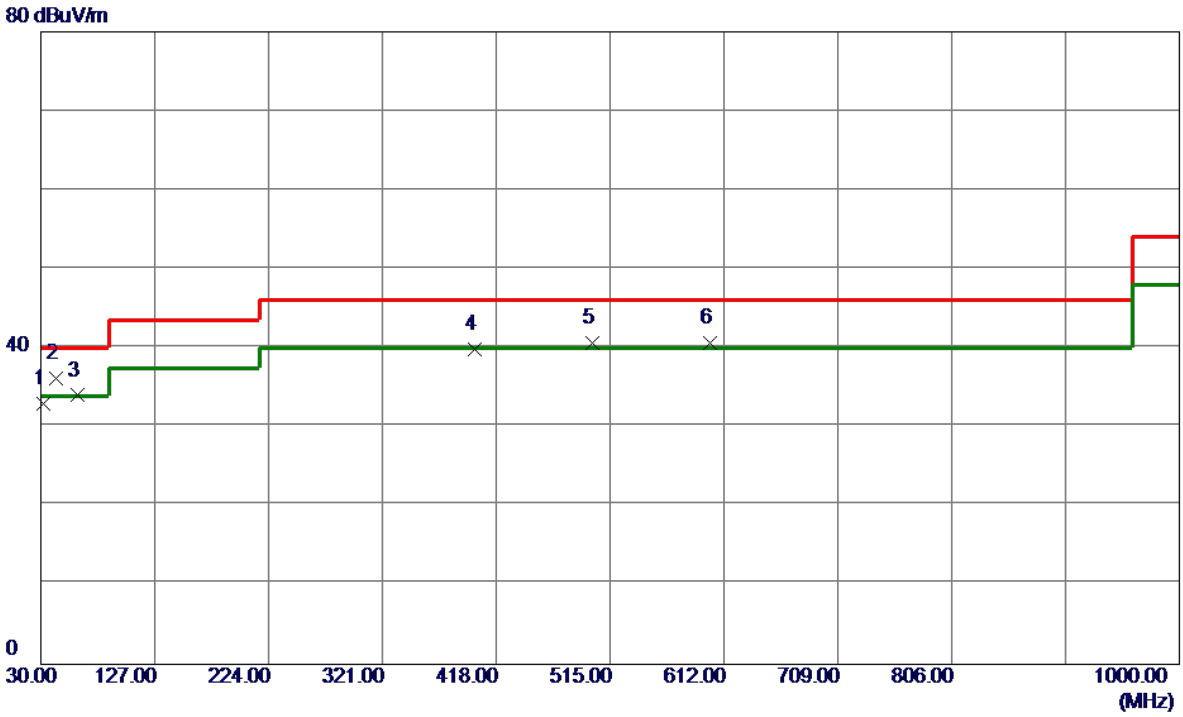


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4187	12.82	16.54	29.36	95.17	-65.81	AVG	
2	*	1.2694	-4.91	15.79	10.88	65.53	-54.65	QP	
3		2.3291	-14.02	15.42	1.40	69.54	-68.14	QP	

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

Test Mode:	TX B MODE CHANNEL 01

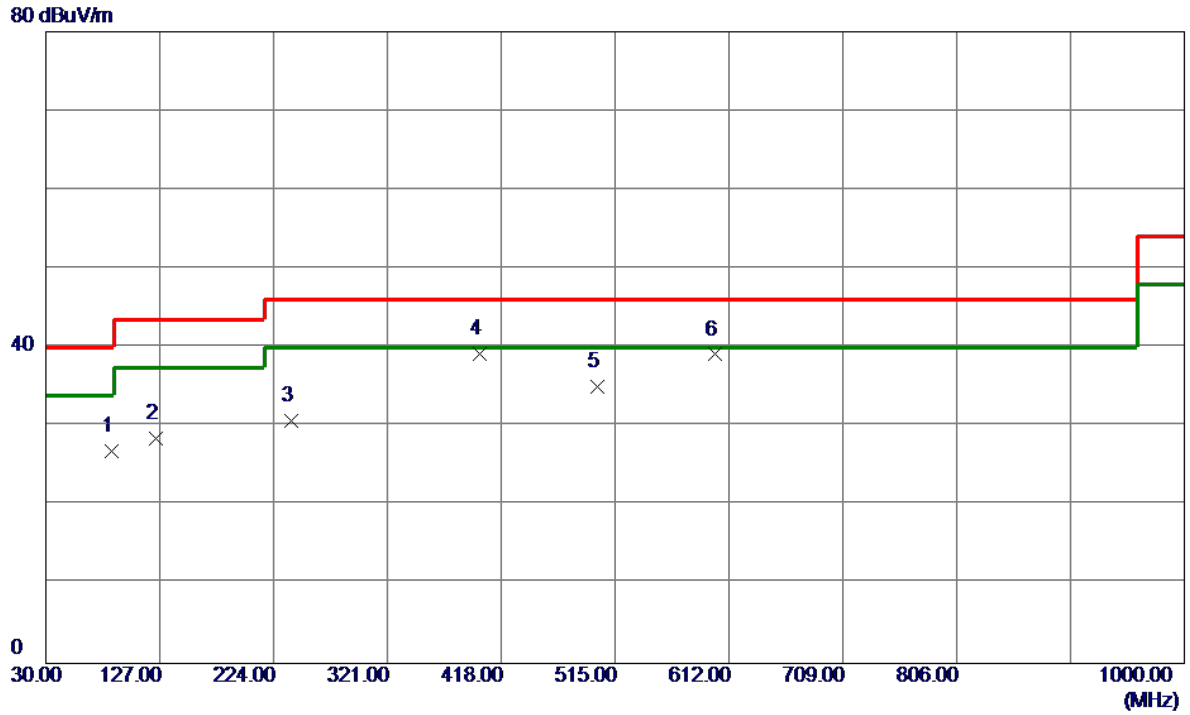
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	31.9400	47.93	-15.04	32.89	40.00	-7.11	QP	
2 *	43.0950	49.79	-13.58	36.21	40.00	-3.79	QP	
3	61.0400	48.48	-14.48	34.00	40.00	-6.00	QP	
4	400.0550	51.18	-11.36	39.82	46.00	-6.18	QP	
5	499.9650	49.42	-8.72	40.70	46.00	-5.30	QP	
6	599.8750	47.10	-6.42	40.68	46.00	-5.32	QP	

Test Mode:	TX B MODE CHANNEL 01

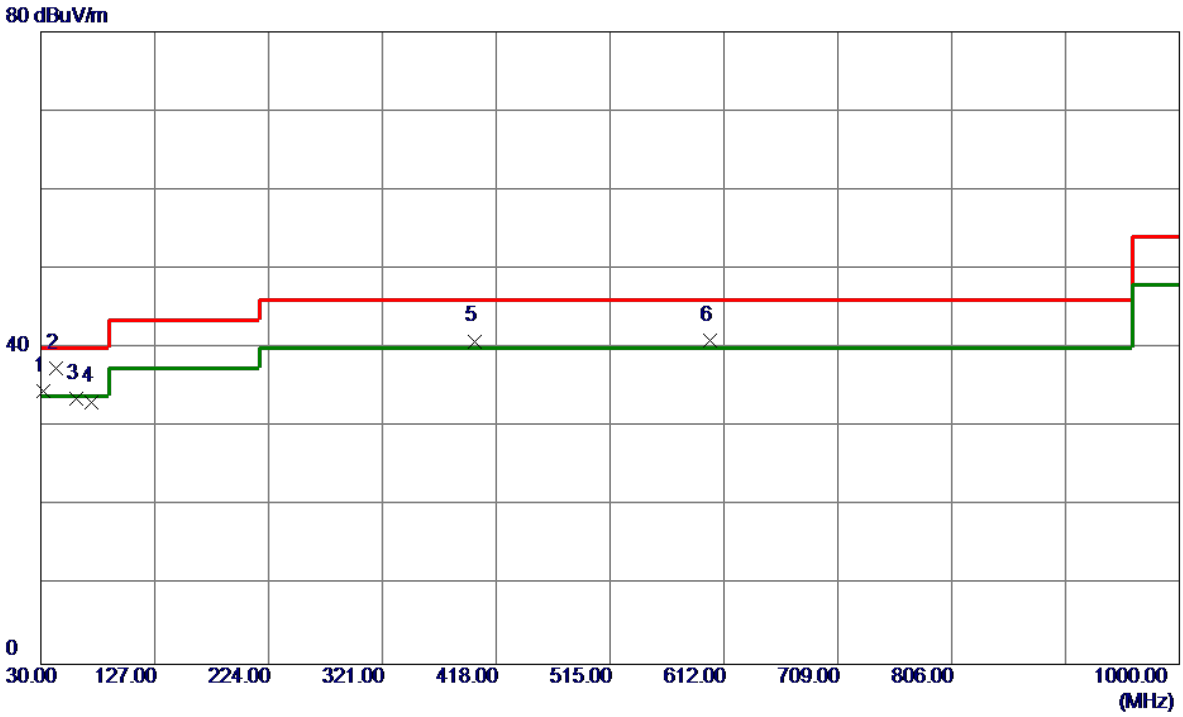
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	85.7750	45.30	-18.44	26.86	40.00	-13.14	QP	
2	123.6050	43.69	-15.15	28.54	43.50	-14.96	QP	
3	239.5200	45.02	-14.35	30.67	46.00	-15.33	QP	
4 *	400.0550	50.55	-11.36	39.19	46.00	-6.81	QP	
5	499.9650	43.75	-8.72	35.03	46.00	-10.97	QP	
6	599.8750	45.54	-6.42	39.12	46.00	-6.88	QP	

Test Mode:	TX B MODE CHANNEL 06

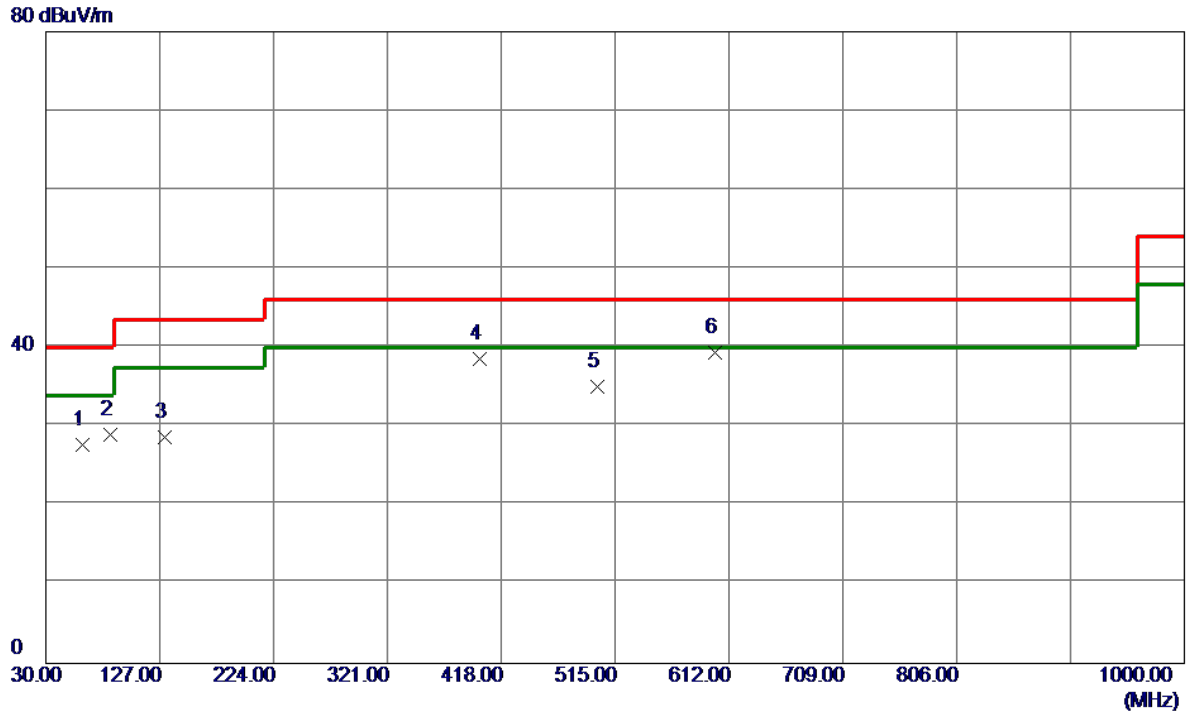
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	31.9400	49.62	-15.04	34.58	40.00	-5.42	QP	
2 *	43.0950	51.03	-13.58	37.45	40.00	-2.55	QP	
3	60.5550	48.03	-14.40	33.63	40.00	-6.37	QP	
4	72.6800	50.02	-16.82	33.20	40.00	-6.80	QP	
5	400.0550	52.24	-11.36	40.88	46.00	-5.12	QP	
6	599.8750	47.37	-6.42	40.95	46.00	-5.05	QP	

Test Mode:	TX B MODE CHANNEL 06

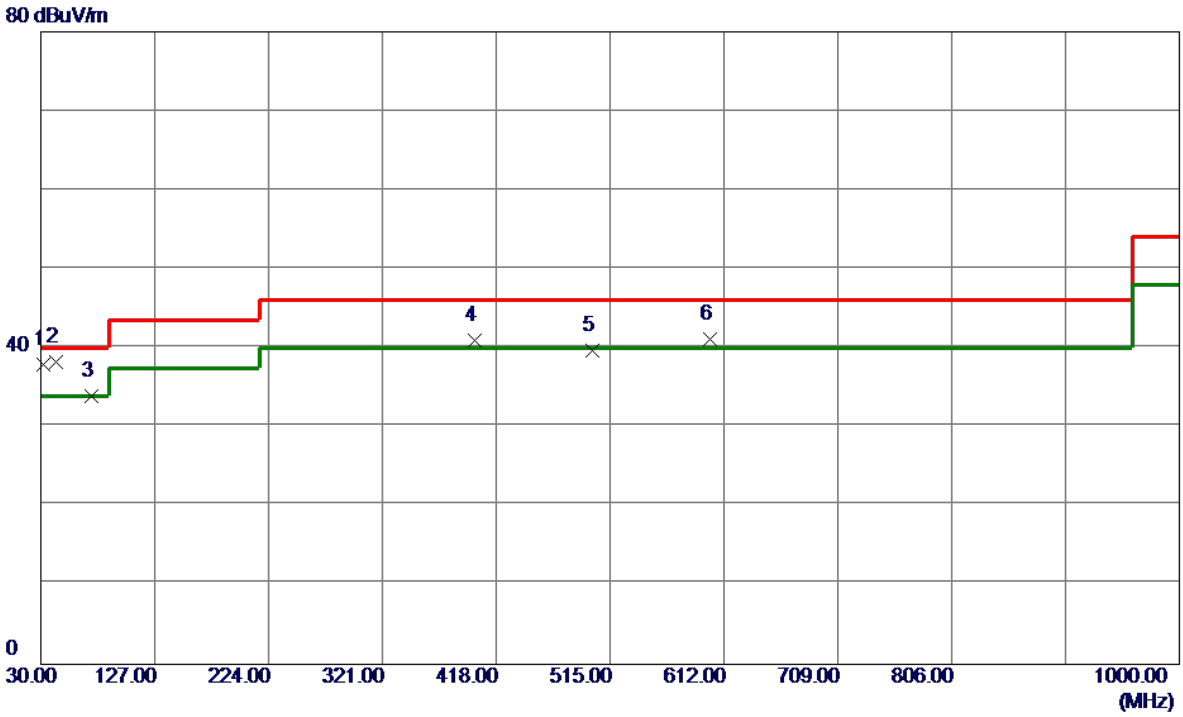
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	61.0400	42.16	-14.48	27.68	40.00	-12.32	QP	
2	85.2900	47.44	-18.41	29.03	40.00	-10.97	QP	
3	130.8800	43.33	-14.66	28.67	43.50	-14.83	QP	
4	400.0550	49.98	-11.36	38.62	46.00	-7.38	QP	
5	499.9650	43.76	-8.72	35.04	46.00	-10.96	QP	
6 *	599.8750	45.75	-6.42	39.33	46.00	-6.67	QP	

Test Mode:	TX B MODE CHANNEL 11

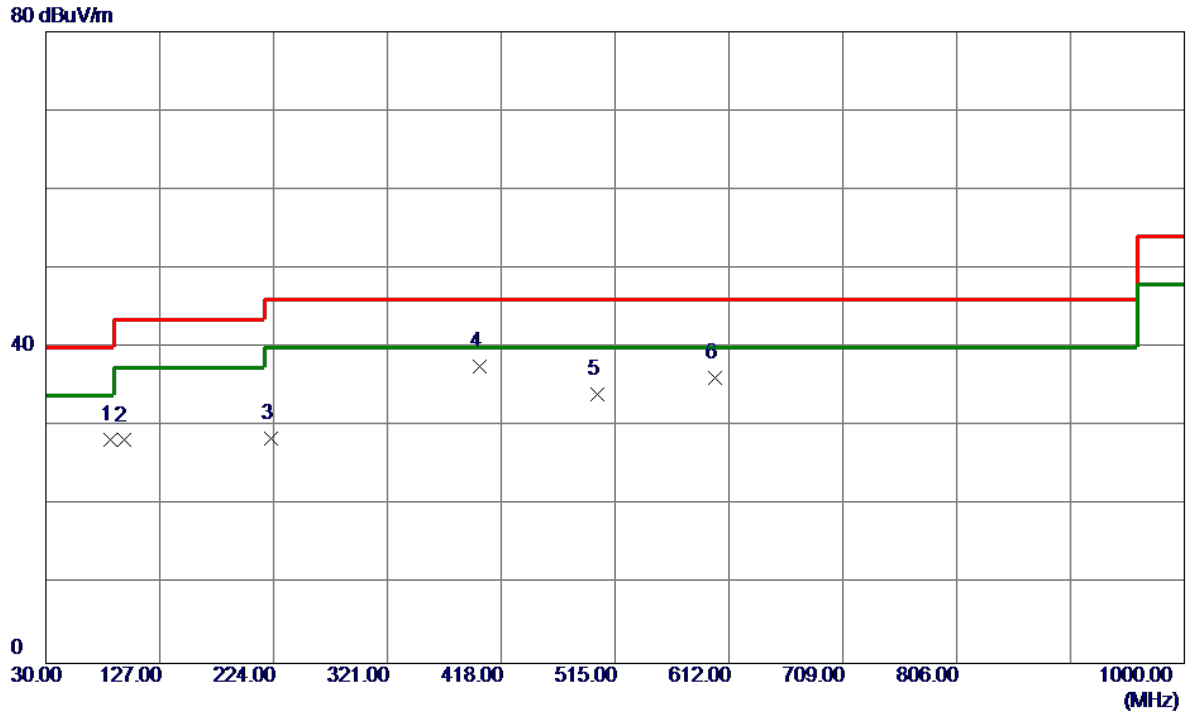
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	31.9400	52.94	-15.04	37.90	40.00	-2.10	QP	
2 *	43.0950	51.78	-13.58	38.20	40.00	-1.80	QP	
3	72.6800	50.70	-16.82	33.88	40.00	-6.12	QP	
4	400.0550	52.30	-11.36	40.94	46.00	-5.06	QP	
5	499.9650	48.33	-8.72	39.61	46.00	-6.39	QP	
6	599.8750	47.58	-6.42	41.16	46.00	-4.84	QP	

Test Mode:	TX B MODE CHANNEL 11

Horizontal

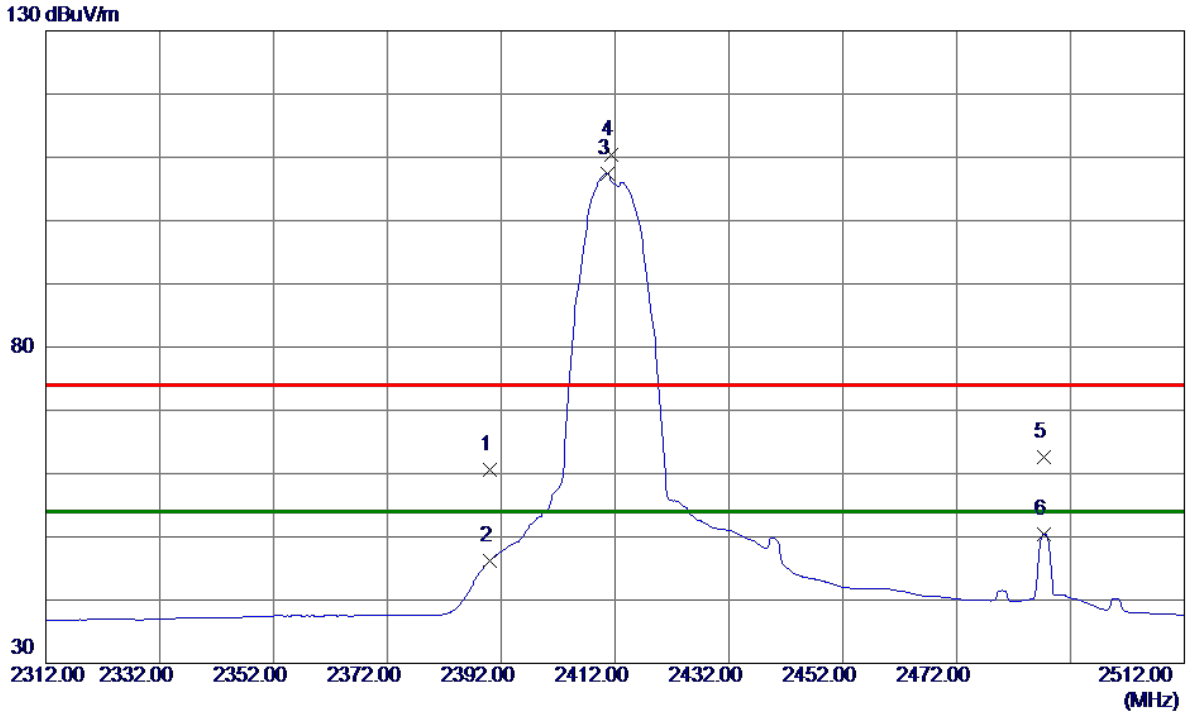


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	85.2900	46.71	-18.41	28.30	40.00	-11.70	QP	
2	96.4450	46.67	-18.43	28.24	43.50	-15.26	QP	
3	221.5750	42.44	-13.94	28.50	46.00	-17.50	QP	
4 *	400.0550	48.98	-11.36	37.62	46.00	-8.38	QP	
5	499.9650	42.84	-8.72	34.12	46.00	-11.88	QP	
6	599.8750	42.61	-6.42	36.19	46.00	-9.81	QP	

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

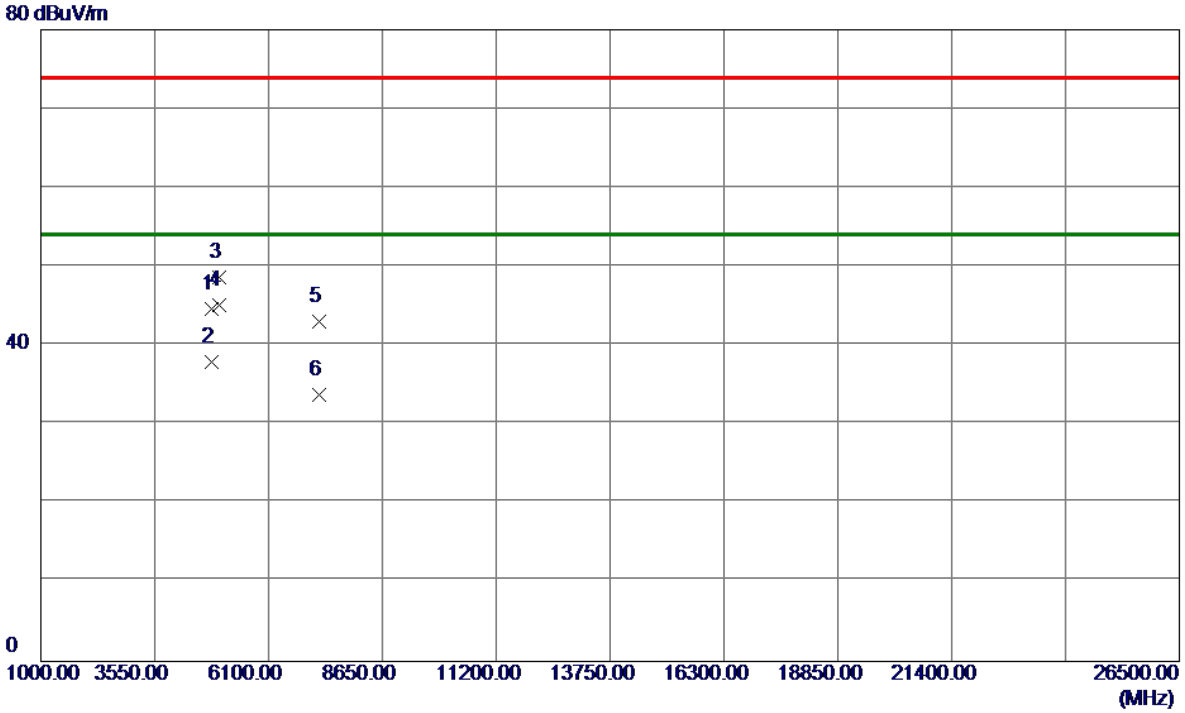
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	27.50	33.06	60.56	74.00	-13.44	Peak	
2	2390.0000	13.15	33.06	46.21	54.00	-7.79	AVG	
3 *	2410.6000	74.33	33.13	107.46	54.00	53.46	AVG	No Limit
4	2411.4000	77.33	33.14	110.47	74.00	36.47	Peak	No Limit
5	2487.4000	29.22	33.42	62.64	74.00	-11.36	Peak	
6	2487.4000	17.03	33.42	50.45	54.00	-3.55	AVG	

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

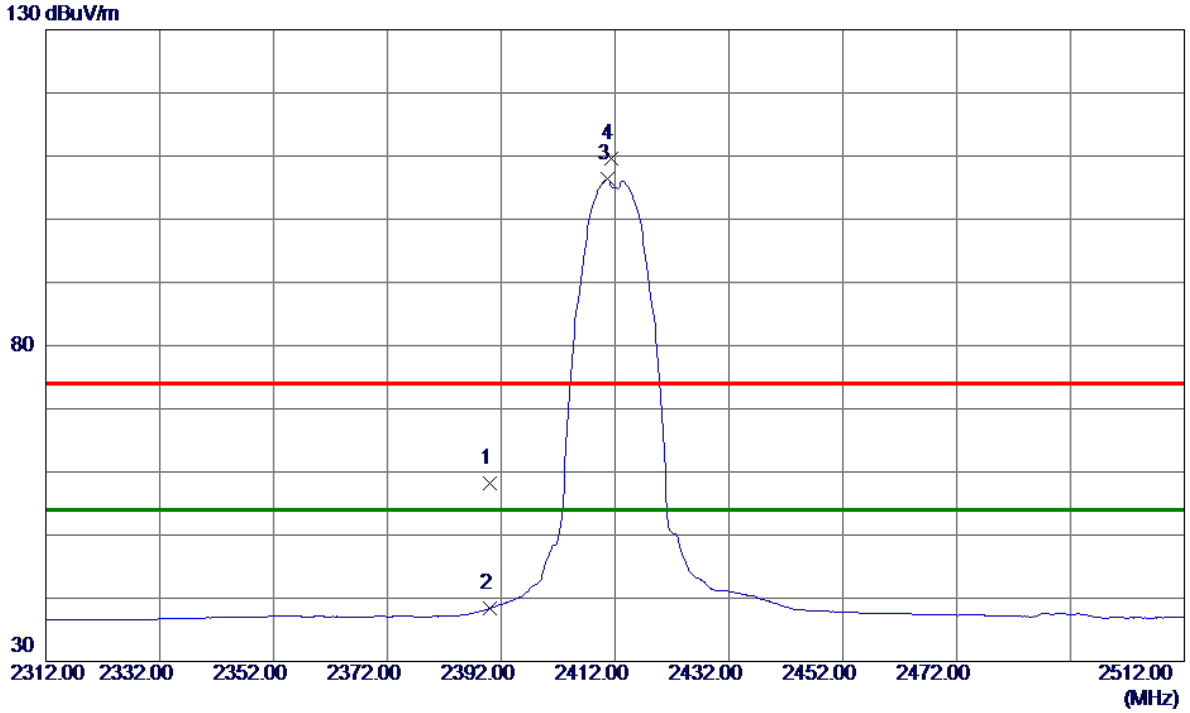
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9900	38.28	6.32	44.60	74.00	-29.40	Peak	
2	4823.9900	31.66	6.32	37.98	54.00	-16.02	AVG	
3	4999.8100	41.92	6.76	48.68	74.00	-25.32	Peak	
4 *	4999.9600	38.40	6.76	45.16	54.00	-8.84	AVG	
5	7235.8200	29.80	13.25	43.05	74.00	-30.95	Peak	
6	7235.9700	20.49	13.25	33.74	54.00	-20.26	AVG	

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

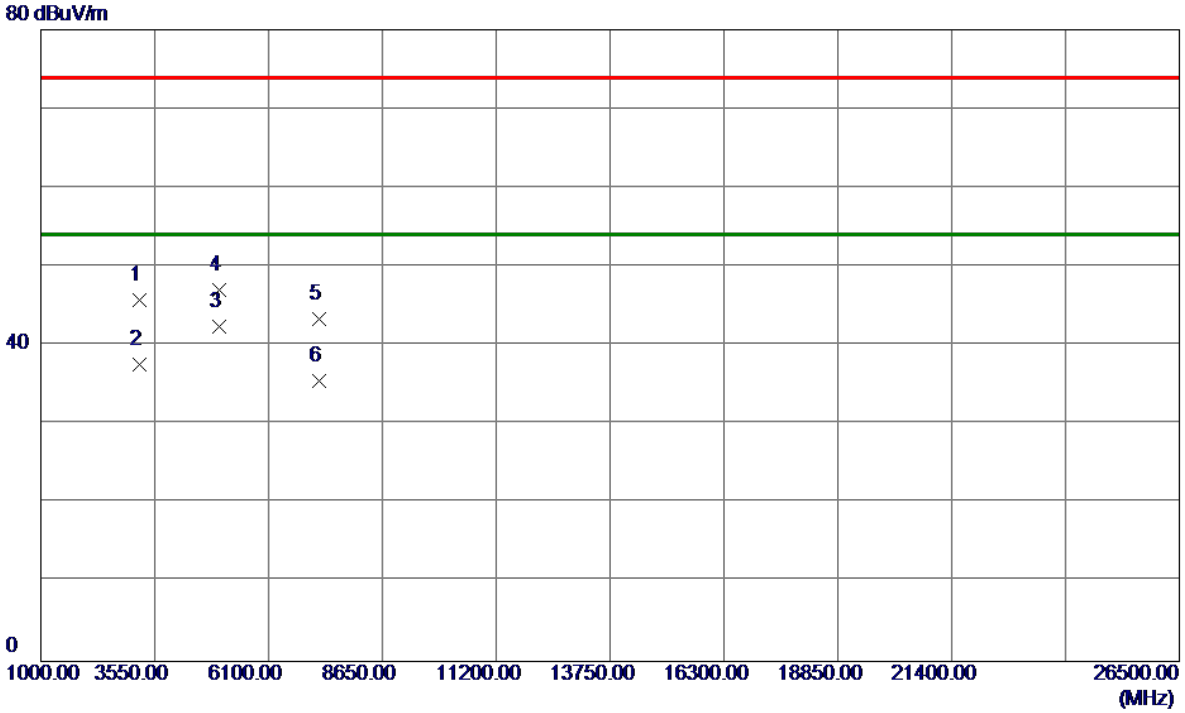
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	25.09	33.06	58.15	74.00	-15.85	Peak	
2	2390.0000	5.33	33.06	38.39	54.00	-15.61	AVG	
3 *	2410.7000	73.21	33.13	106.34	54.00	52.34	AVG	No Limit
4	2411.4000	76.43	33.14	109.57	74.00	35.57	Peak	No Limit

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

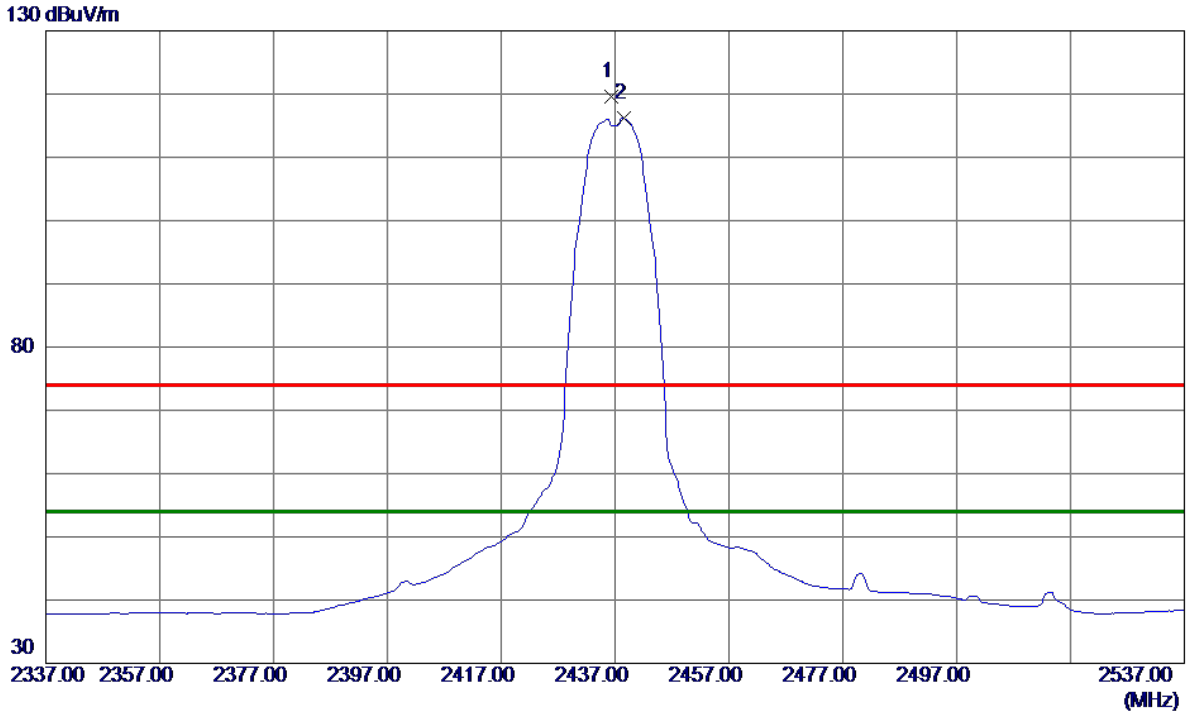
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3199.8250	43.44	2.27	45.71	74.00	-28.29	Peak	
2	3199.9500	35.34	2.27	37.61	54.00	-16.39	AVG	
3 *	4999.9750	35.61	6.76	42.37	54.00	-11.63	AVG	
4	5000.0000	40.26	6.76	47.02	74.00	-26.98	Peak	
5	7235.9750	30.16	13.25	43.41	74.00	-30.59	Peak	
6	7236.0000	22.20	13.25	35.45	54.00	-18.55	AVG	

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

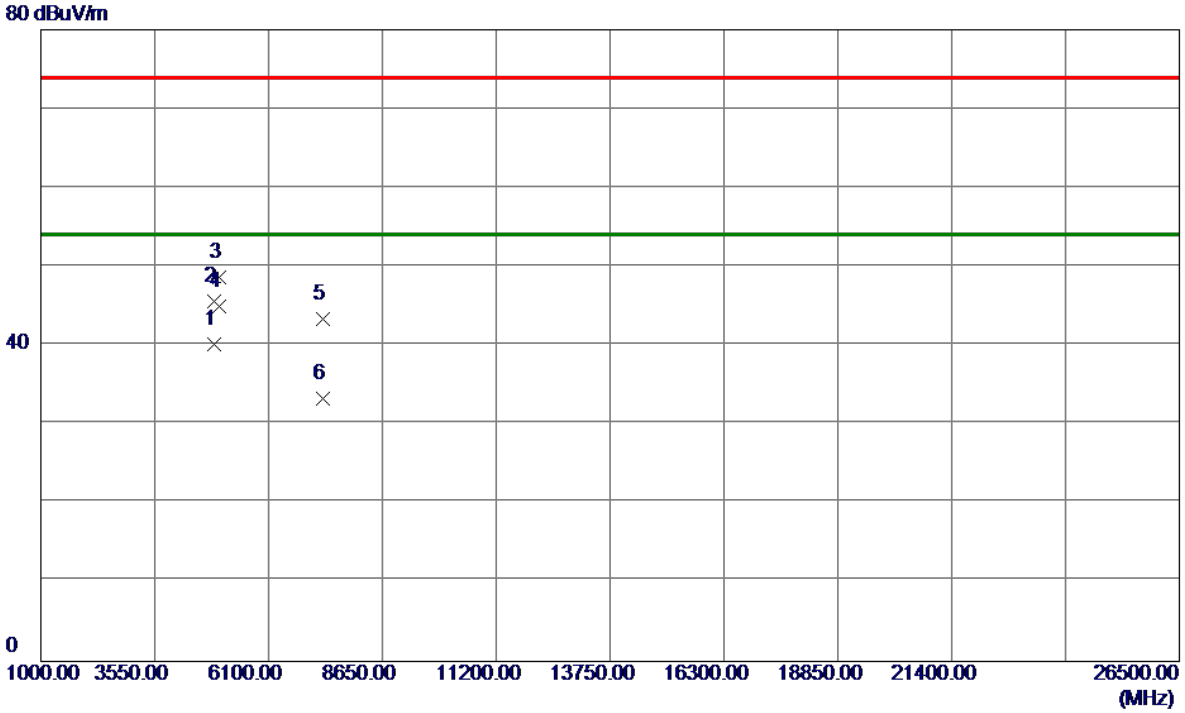
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2436.4000	86.38	33.23	119.61	74.00	45.61	Peak	No Limit
2 *	2438.5000	82.98	33.24	116.22	54.00	62.22	AVG	No Limit

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

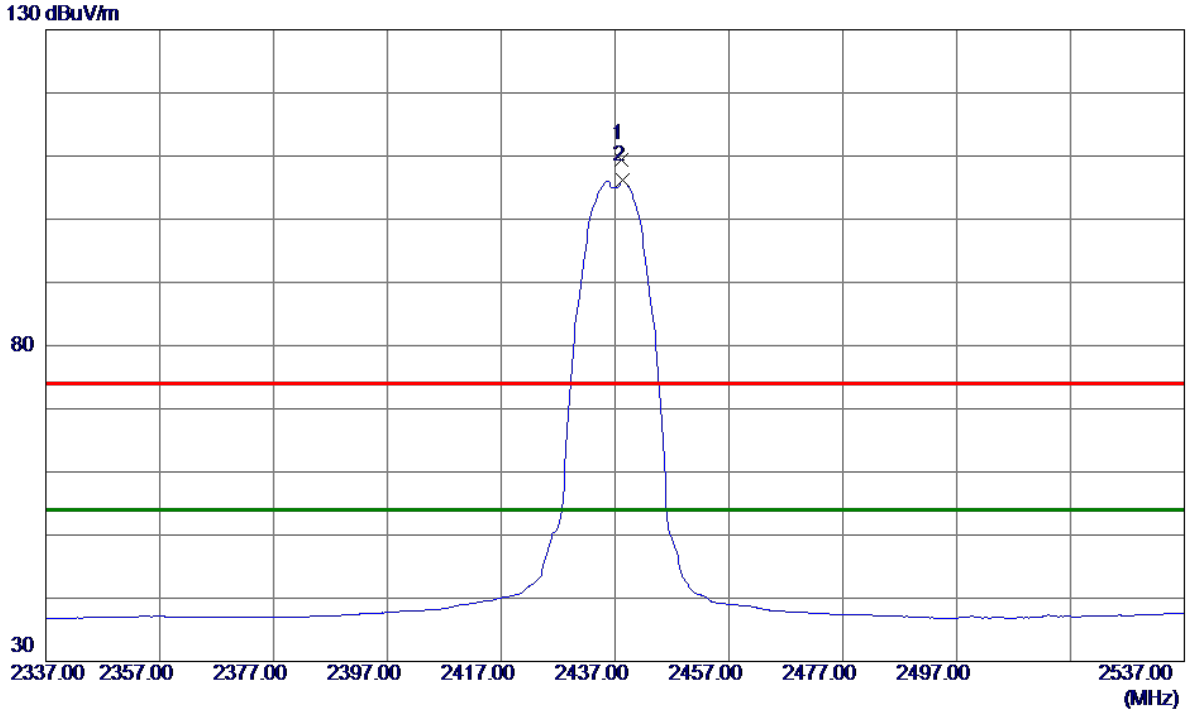
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.0099	33.74	6.44	40.18	54.00	-13.82	AVG	
2	4874.1400	39.16	6.44	45.60	74.00	-28.40	Peak	
3	4999.8700	41.85	6.76	48.61	74.00	-25.39	Peak	
4 *	4999.9700	38.27	6.76	45.03	54.00	-8.97	AVG	
5	7310.7350	29.95	13.37	43.32	74.00	-30.68	Peak	
6	7310.9550	19.94	13.37	33.31	54.00	-20.69	AVG	

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

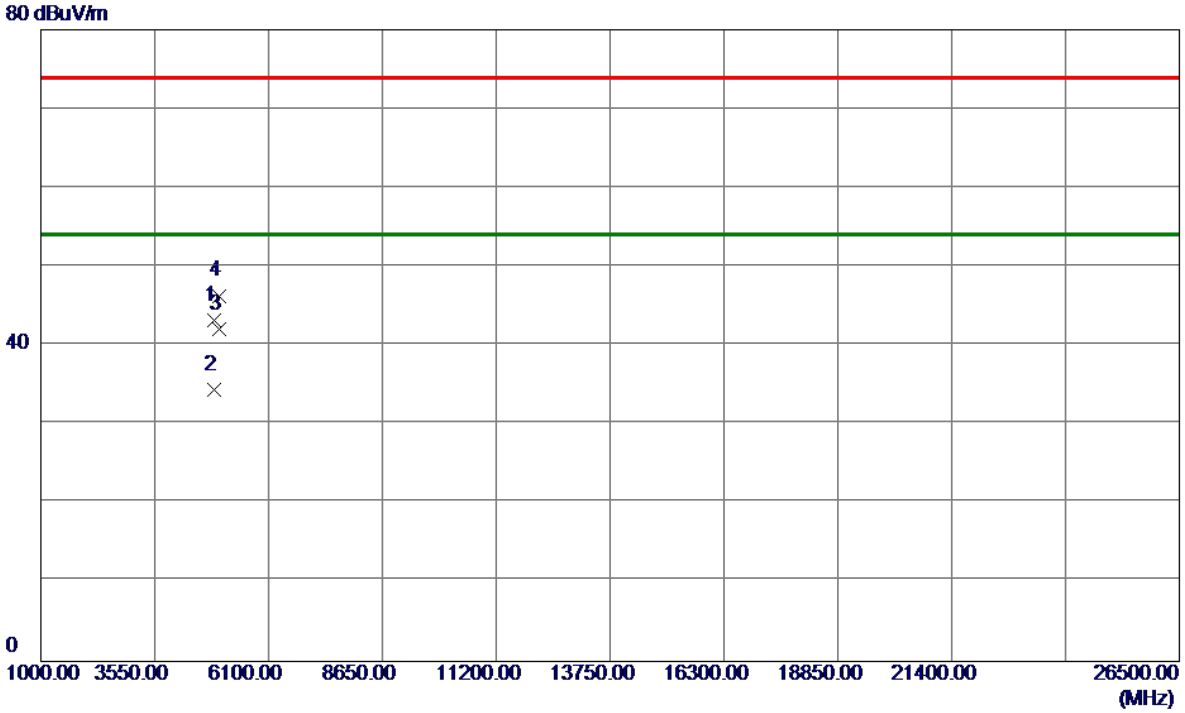
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.2000	76.26	33.24	109.50	74.00	35.50	Peak	No Limit
2 *	2438.4000	72.89	33.24	106.13	54.00	52.13	AVG	No Limit

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

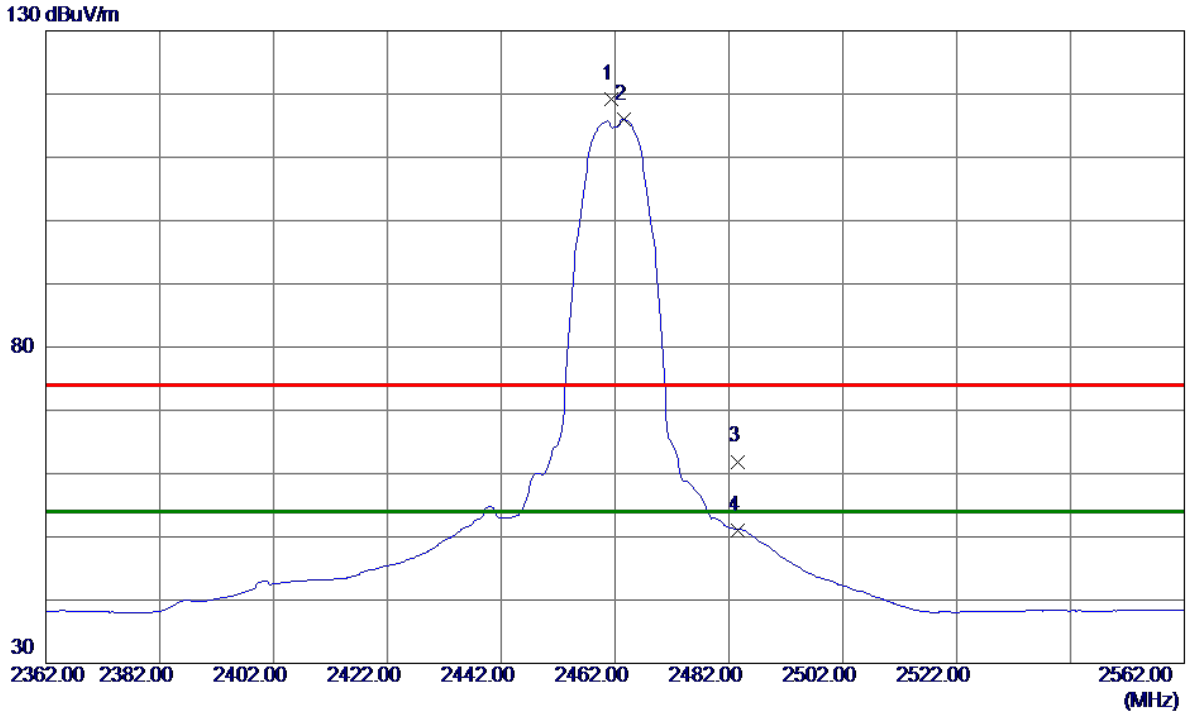
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.9200	36.71	6.44	43.15	74.00	-30.85	Peak	
2	4873.9900	27.96	6.44	34.40	54.00	-19.60	AVG	
3 *	4999.9700	35.37	6.76	42.13	54.00	-11.87	AVG	
4	5000.0299	39.56	6.76	46.32	74.00	-27.68	Peak	

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

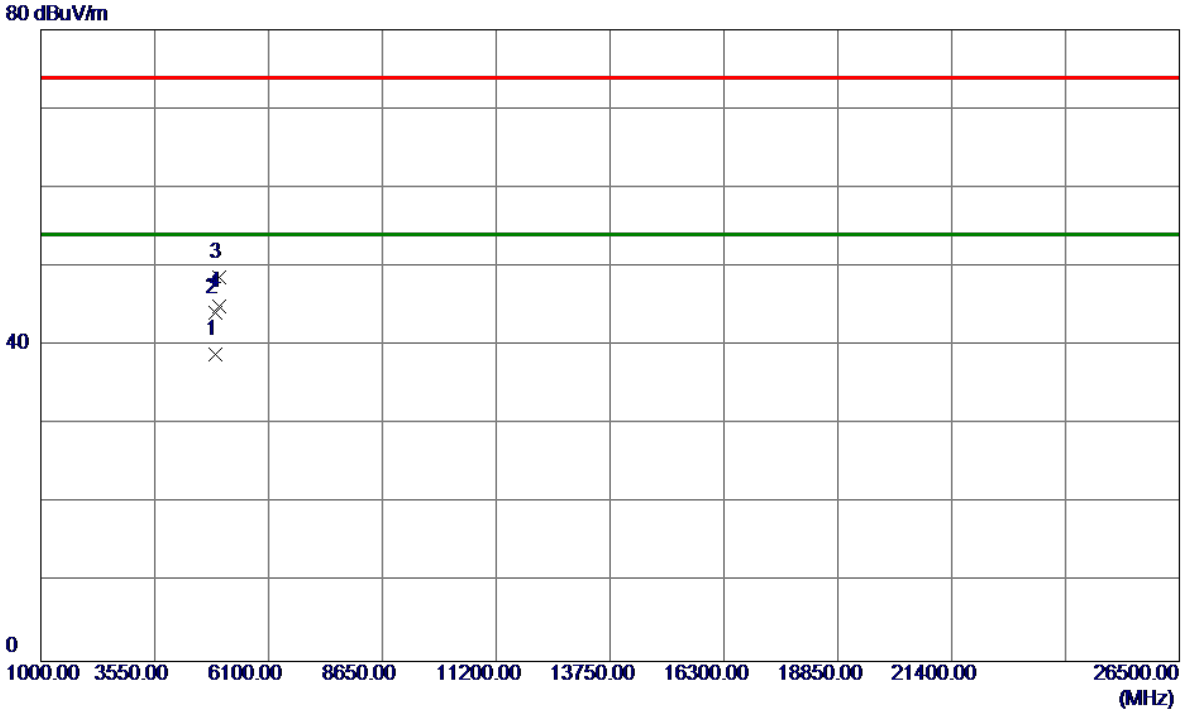
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.3000	85.91	33.32	119.23	74.00	45.23	Peak	No Limit
2 *	2463.5000	82.77	33.33	116.10	54.00	62.10	AVG	No Limit
3	2483.5000	28.49	33.41	61.90	74.00	-12.10	Peak	
4	2483.5000	17.54	33.41	50.95	54.00	-3.05	AVG	

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

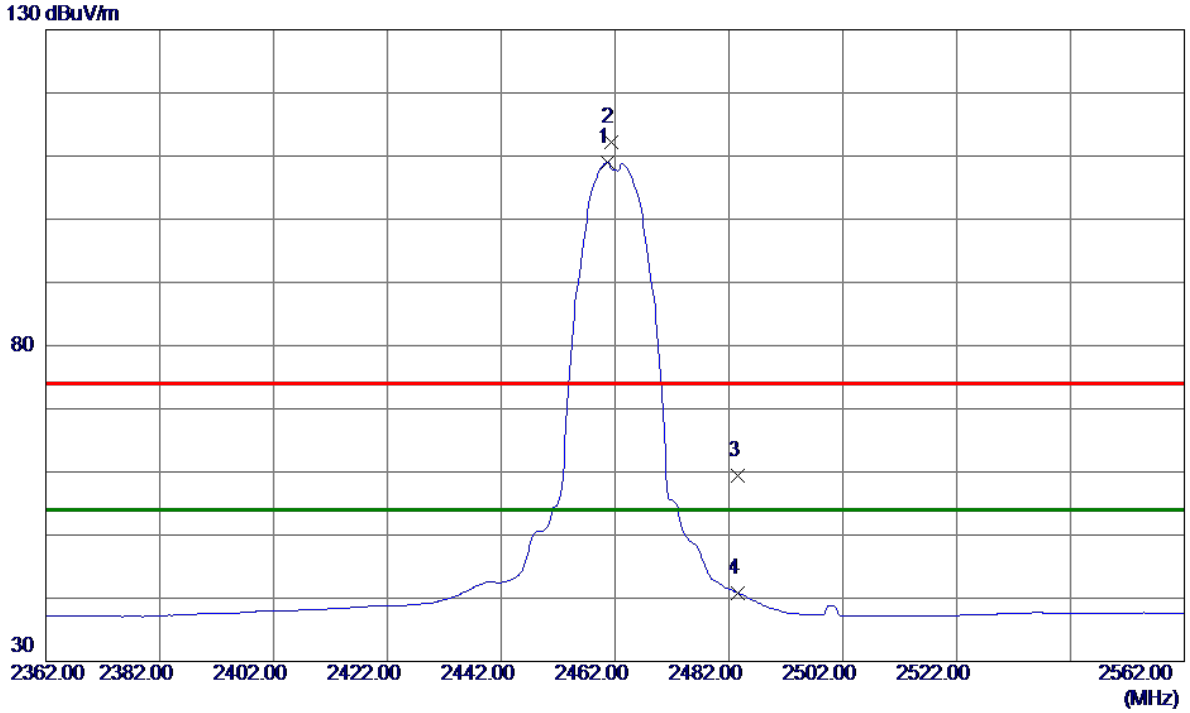
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.0099	32.26	6.57	38.83	54.00	-15.17	AVG	
2	4924.0700	37.64	6.57	44.21	74.00	-29.79	Peak	
3	4999.9500	41.91	6.76	48.67	74.00	-25.33	Peak	
4 *	4999.9700	38.25	6.76	45.01	54.00	-8.99	AVG	

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

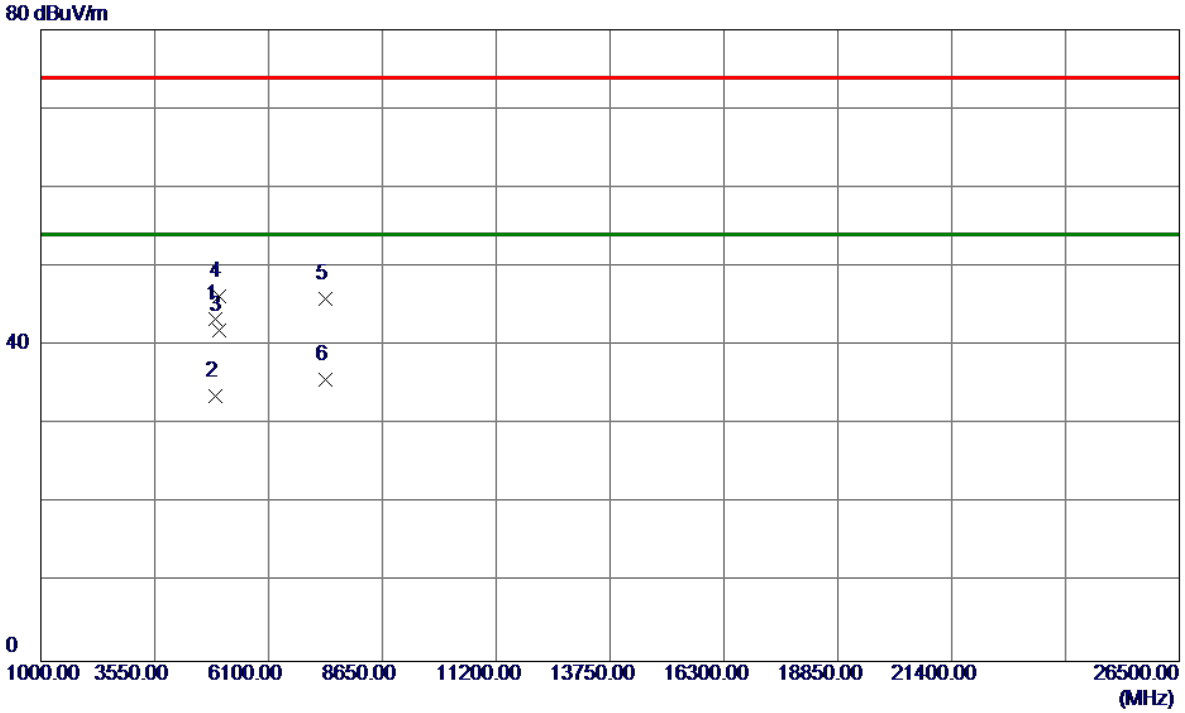
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2460.6000	75.77	33.32	109.09	54.00	55.09	AVG	No Limit
2	2461.4000	78.94	33.32	112.26	74.00	38.26	Peak	No Limit
3	2483.5000	25.90	33.41	59.31	74.00	-14.69	Peak	
4	2483.5000	7.42	33.41	40.83	54.00	-13.17	AVG	

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

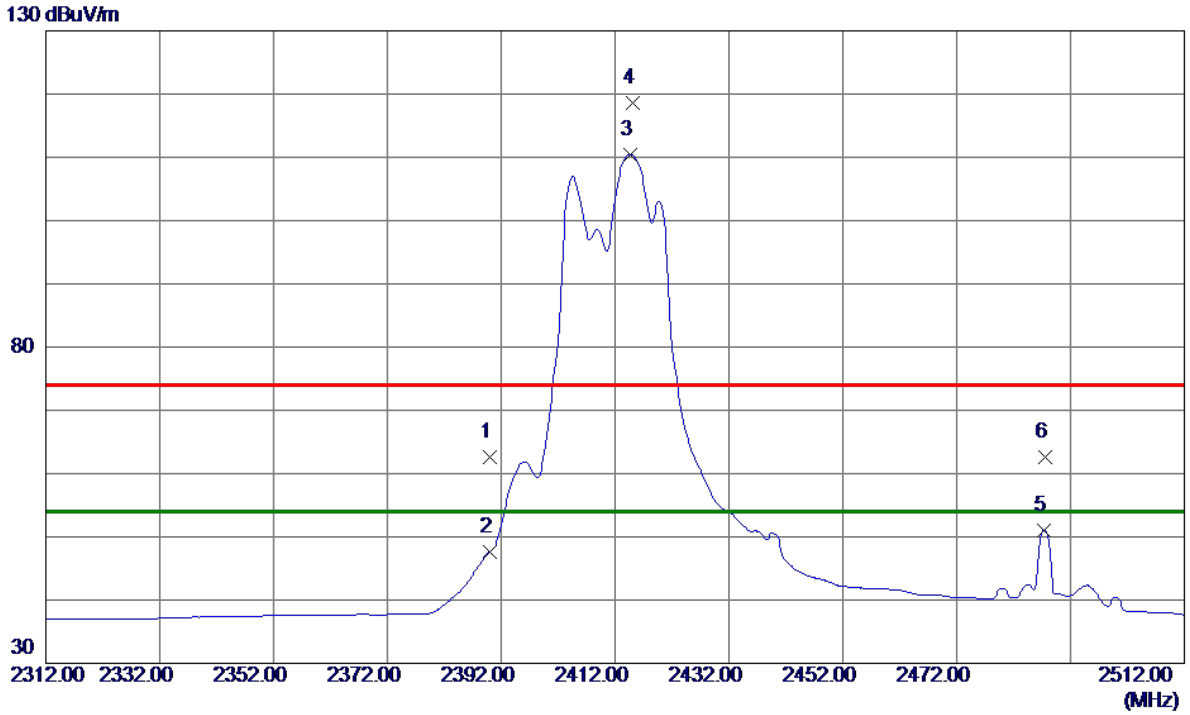
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.7300	36.83	6.57	43.40	74.00	-30.60	Peak	
2	4923.9900	27.08	6.57	33.65	54.00	-20.35	AVG	
3 *	4999.9700	35.21	6.76	41.97	54.00	-12.03	AVG	
4	4999.9800	39.48	6.76	46.24	74.00	-27.76	Peak	
5	7385.8900	32.48	13.50	45.98	74.00	-28.02	Peak	
6	7386.0000	22.13	13.50	35.63	54.00	-18.37	AVG	

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

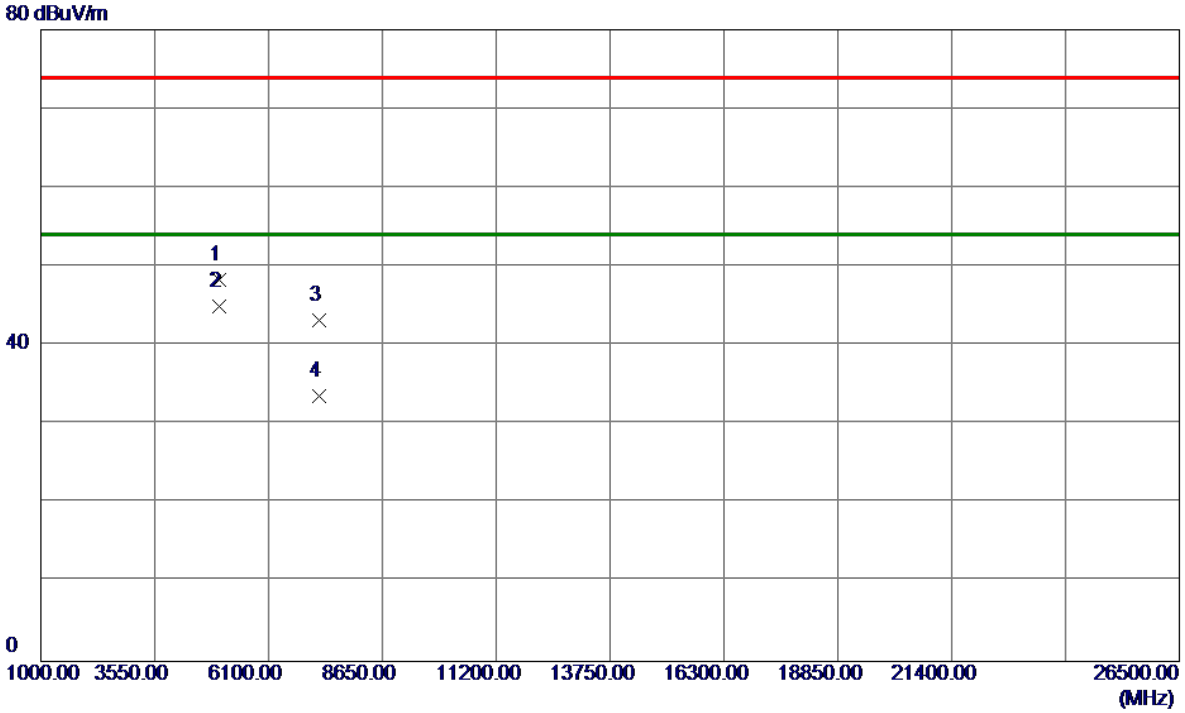
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	29.61	33.06	62.67	74.00	-11.33	Peak	
2	2390.0000	14.60	33.06	47.66	54.00	-6.34	AVG	
3 *	2414.7000	77.33	33.15	110.48	54.00	56.48	AVG	No Limit
4	2415.1000	85.49	33.15	118.64	74.00	44.64	Peak	No Limit
5	2487.4000	17.58	33.42	51.00	54.00	-3.00	AVG	
6	2487.5000	29.12	33.42	62.54	74.00	-11.46	Peak	

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

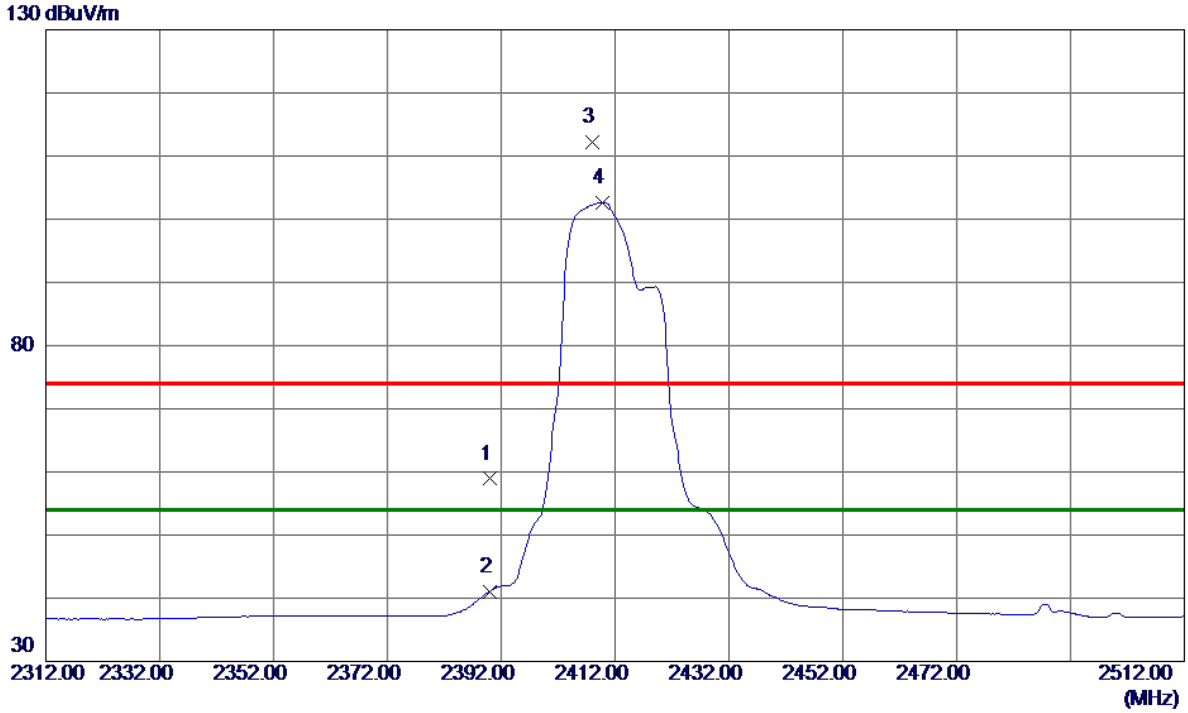
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.9200	41.52	6.76	48.28	74.00	-25.72	Peak	
2 *	4999.9700	38.18	6.76	44.94	54.00	-9.06	AVG	
3	7235.4300	29.99	13.25	43.24	74.00	-30.76	Peak	
4	7236.0000	20.34	13.25	33.59	54.00	-20.41	AVG	

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

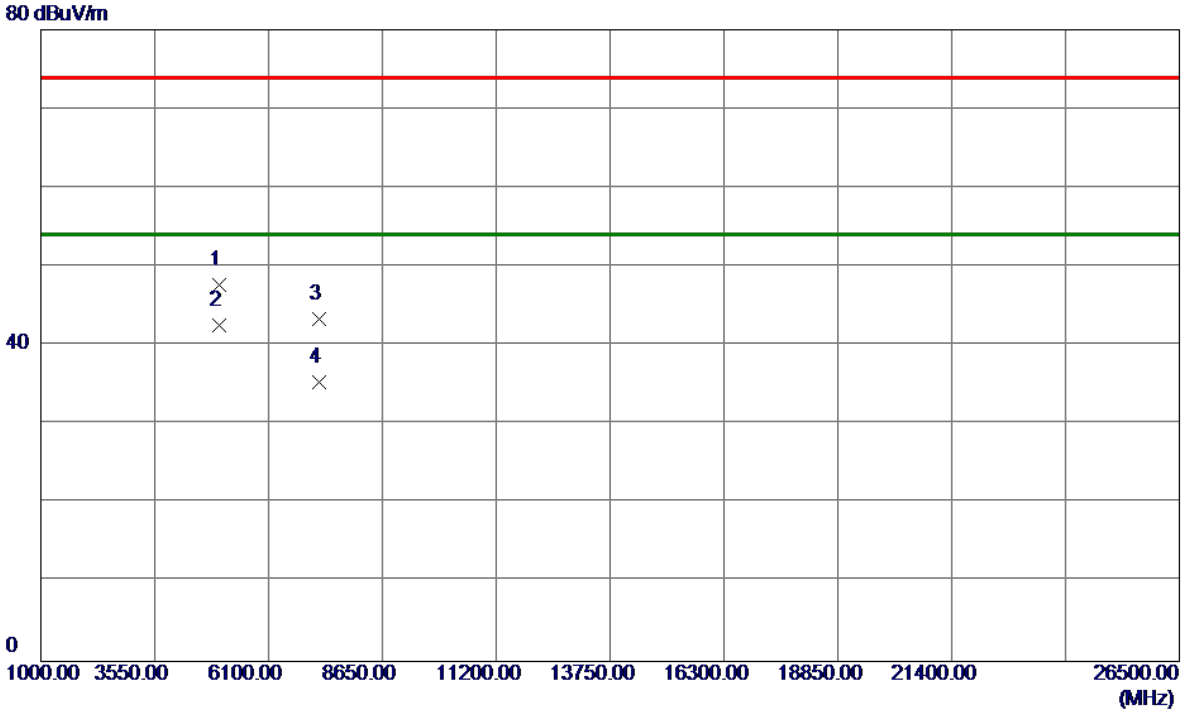
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	25.84	33.06	58.90	74.00	-15.10	Peak	
2	2390.0000	8.03	33.06	41.09	54.00	-12.91	AVG	
3	2408.1000	79.11	33.12	112.23	74.00	38.23	Peak	No Limit
4 *	2409.8000	69.52	33.13	102.65	54.00	48.65	AVG	No Limit

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

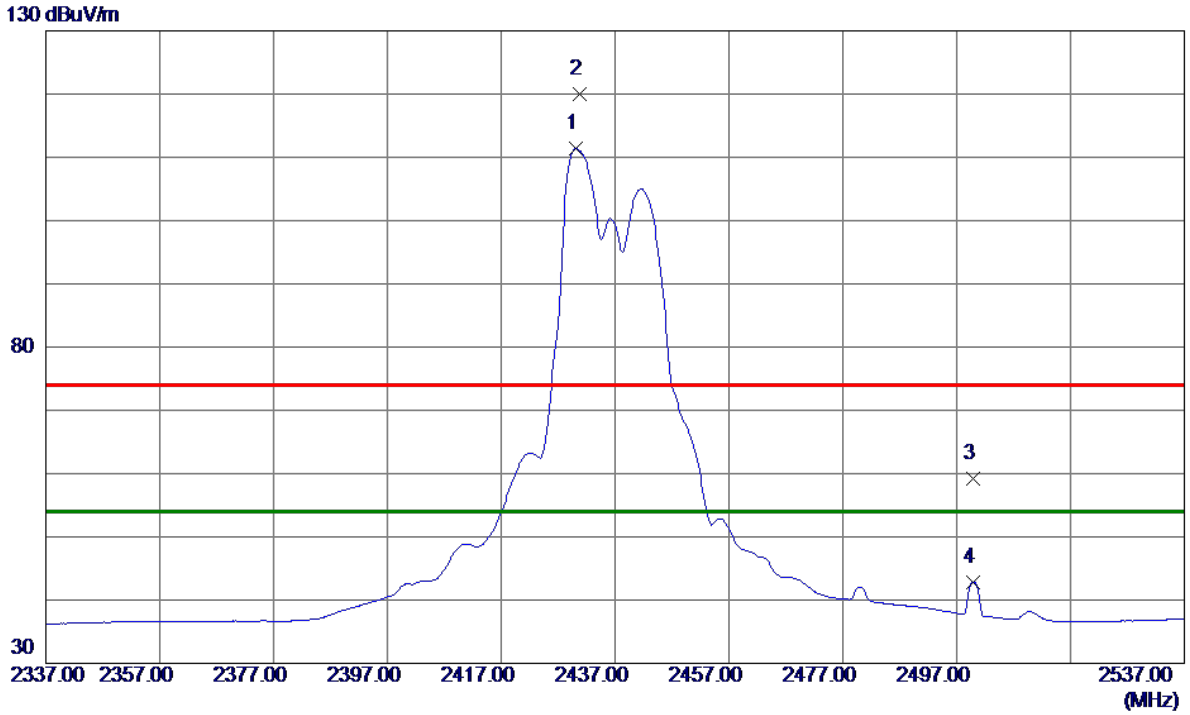
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.9300	40.87	6.76	47.63	74.00	-26.37	Peak	
2 *	4999.9700	35.79	6.76	42.55	54.00	-11.45	AVG	
3	7235.8600	30.17	13.25	43.42	74.00	-30.58	Peak	
4	7235.9900	22.14	13.25	35.39	54.00	-18.61	AVG	

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

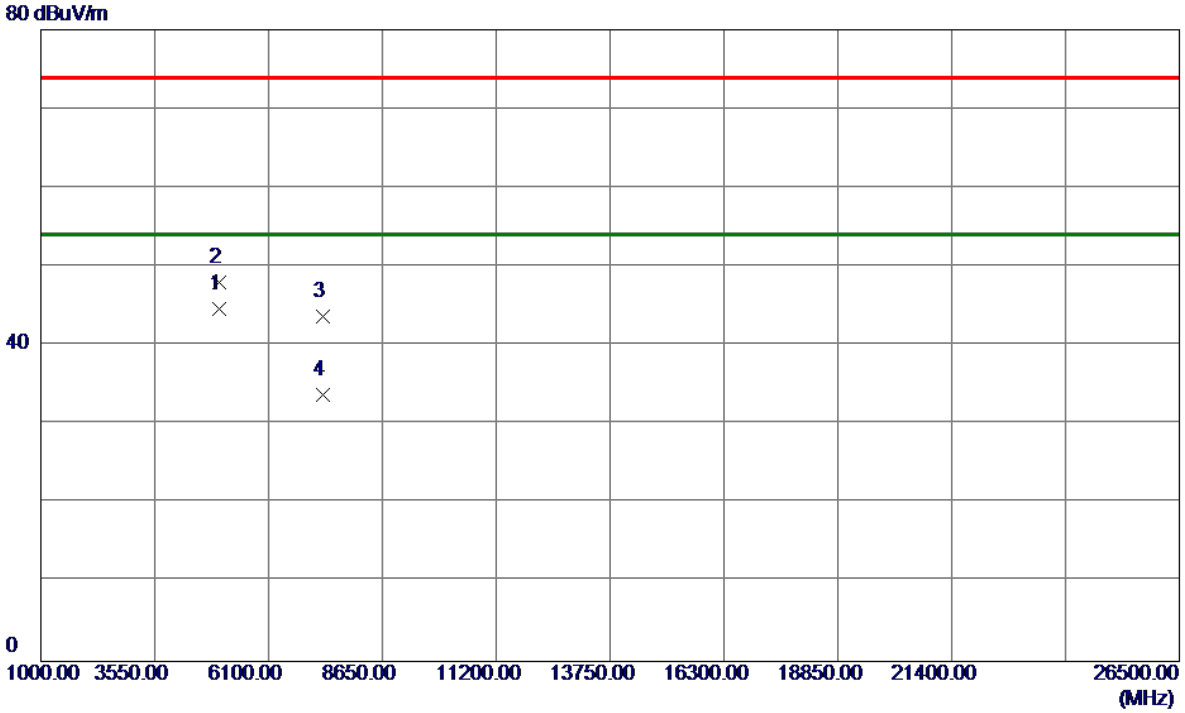
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2430.1000	78.18	33.21	111.39	54.00	57.39	AVG	No Limit
2	2430.8000	86.87	33.21	120.08	74.00	46.08	Peak	No Limit
3	2499.9000	25.72	33.47	59.19	74.00	-14.81	Peak	
4	2499.9000	9.38	33.47	42.85	54.00	-11.15	AVG	

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

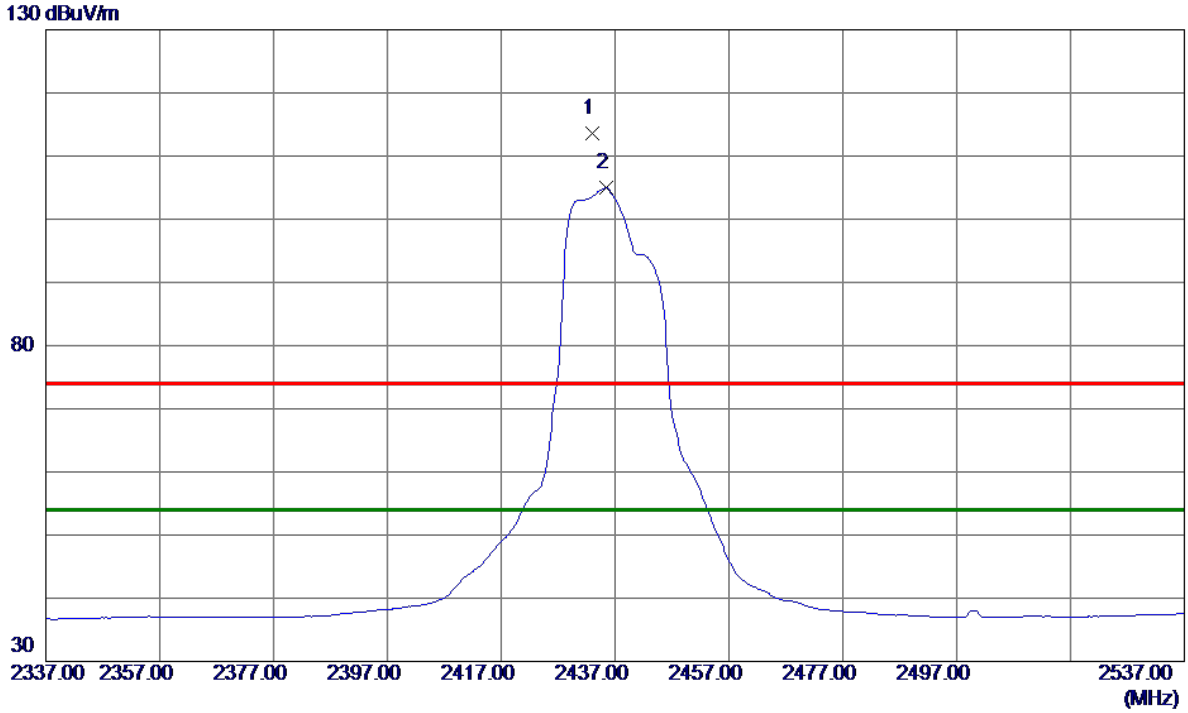
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4999.9700	37.86	6.76	44.62	54.00	-9.38	AVG	
2	4999.9800	41.28	6.76	48.04	74.00	-25.96	Peak	
3	7310.9300	30.28	13.37	43.65	74.00	-30.35	Peak	
4	7310.9800	20.39	13.37	33.76	54.00	-20.24	AVG	

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

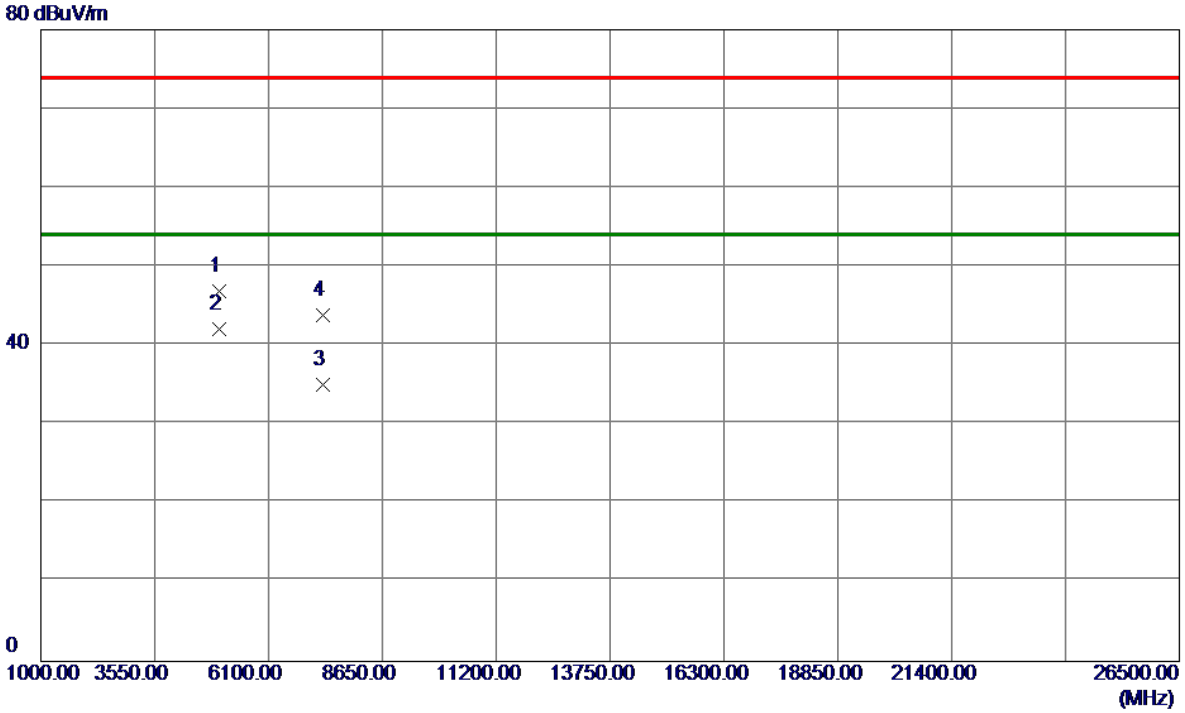
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2433.0000	80.40	33.22	113.62	74.00	39.62	Peak	No Limit
2 *	2435.4000	71.69	33.23	104.92	54.00	50.92	AVG	No Limit

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

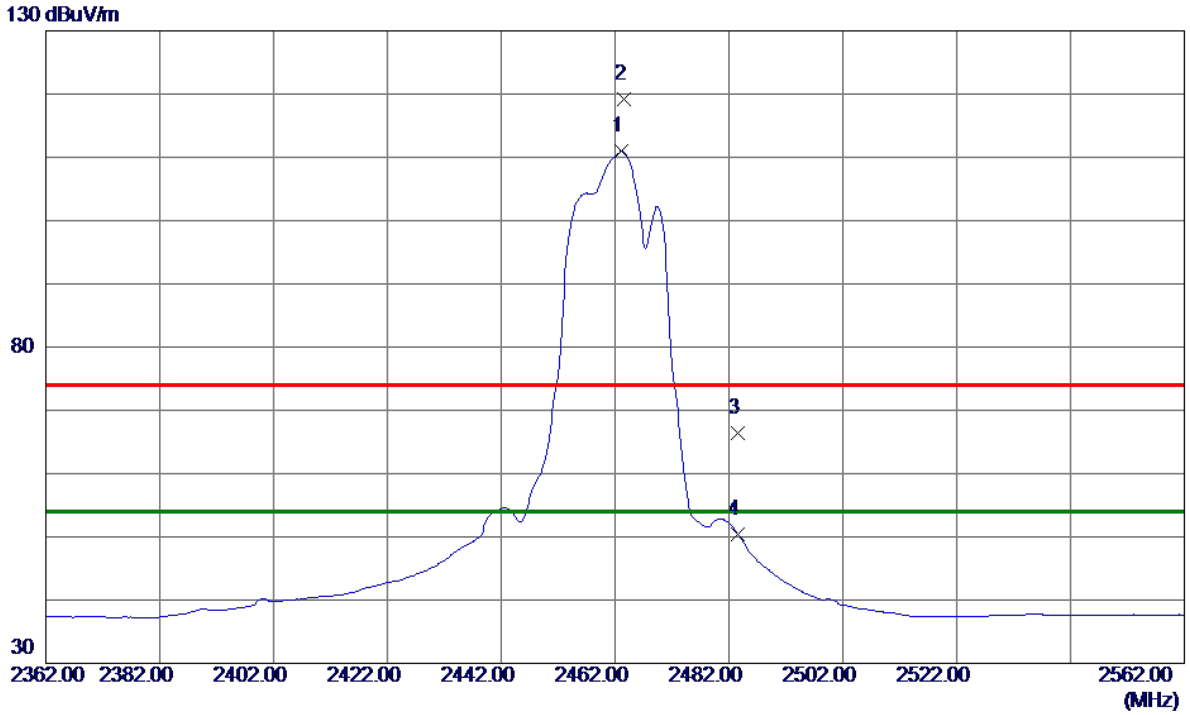
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.8100	40.08	6.76	46.84	74.00	-27.16	Peak	
2 *	4999.9700	35.37	6.76	42.13	54.00	-11.87	AVG	
3	7310.9900	21.60	13.37	34.97	54.00	-19.03	AVG	
4	7311.3200	30.54	13.37	43.91	74.00	-30.09	Peak	

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

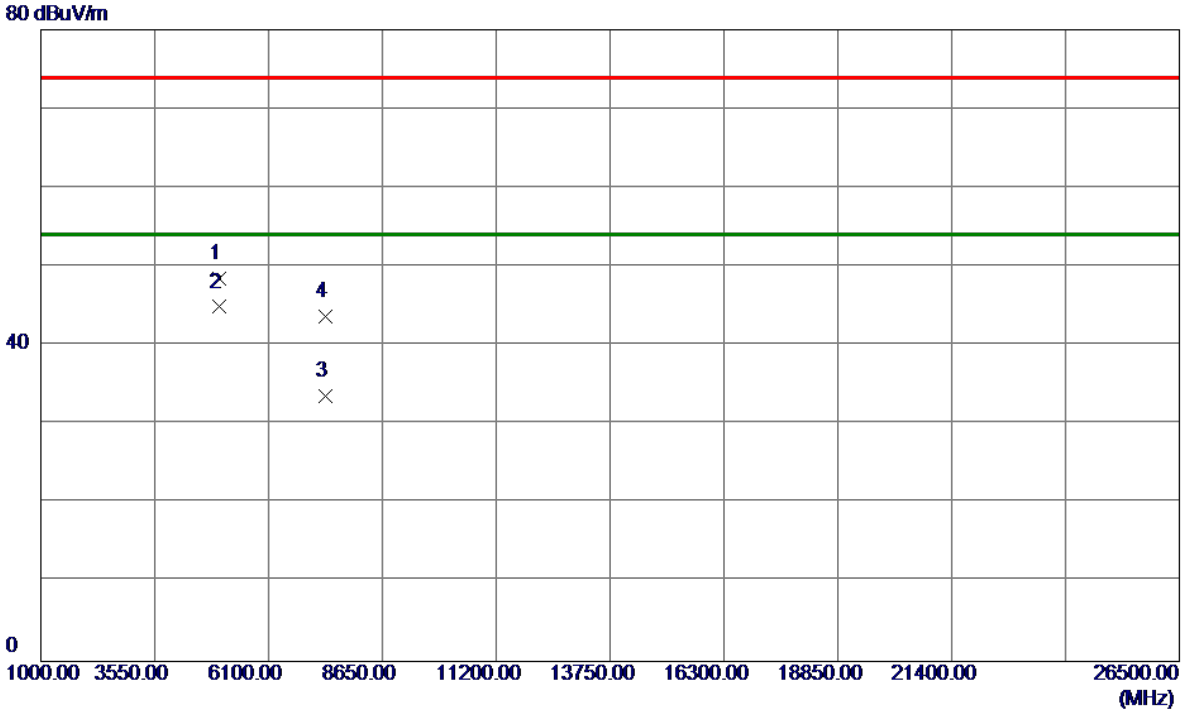
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2463.2000	77.68	33.33	111.01	54.00	57.01	AVG	No Limit
2	2463.6000	85.87	33.33	119.20	74.00	45.20	Peak	No Limit
3	2483.5000	32.93	33.41	66.34	74.00	-7.66	Peak	
4	2483.5000	17.08	33.41	50.49	54.00	-3.51	AVG	

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

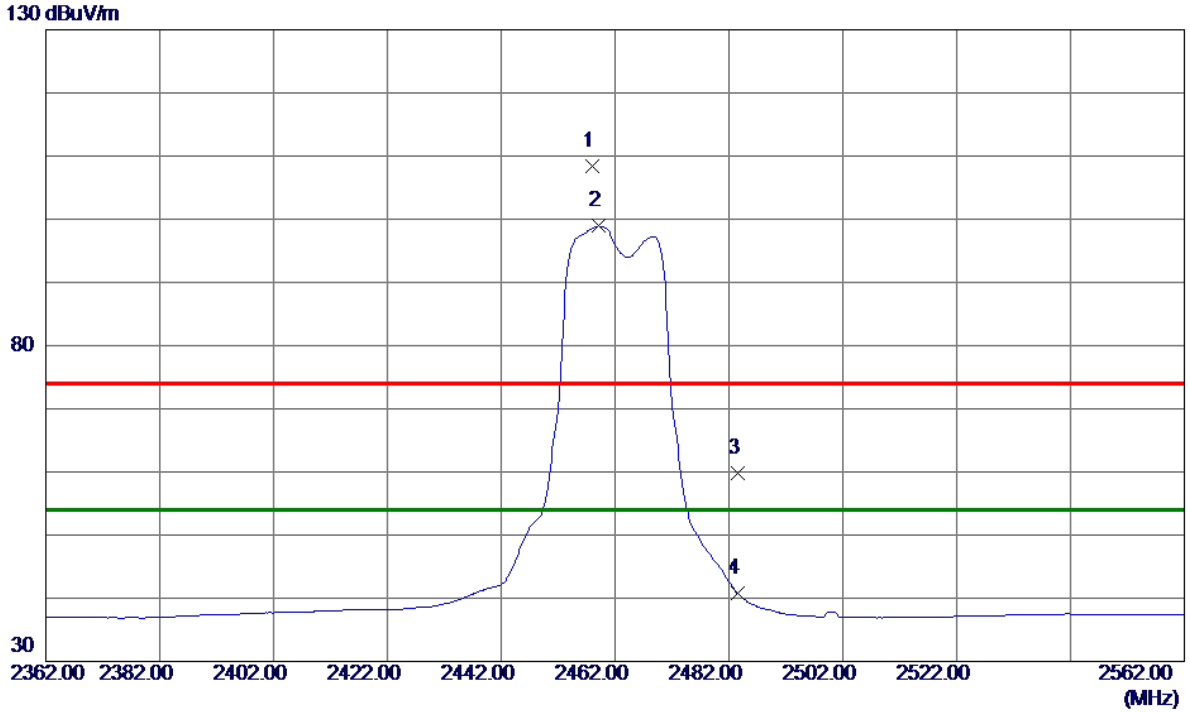
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.9500	41.70	6.76	48.46	74.00	-25.54	Peak	
2 *	4999.9700	38.12	6.76	44.88	54.00	-9.12	AVG	
3	7386.0000	20.15	13.50	33.65	54.00	-20.35	AVG	
4	7386.1000	30.14	13.50	43.64	74.00	-30.36	Peak	

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

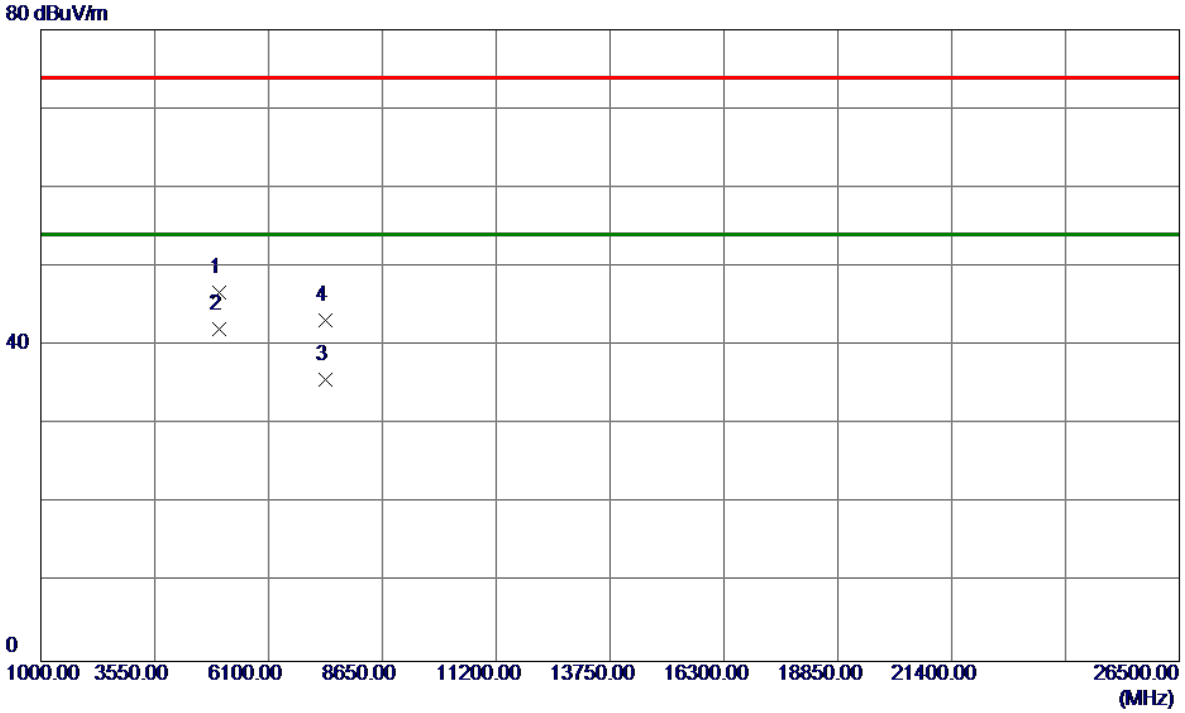
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2457.9000	75.13	33.31	108.44	74.00	34.44	Peak	No Limit
2 *	2459.2000	65.58	33.32	98.90	54.00	44.90	AVG	No Limit
3	2483.5000	26.32	33.41	59.73	74.00	-14.27	Peak	
4	2483.5000	7.31	33.41	40.72	54.00	-13.28	AVG	

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

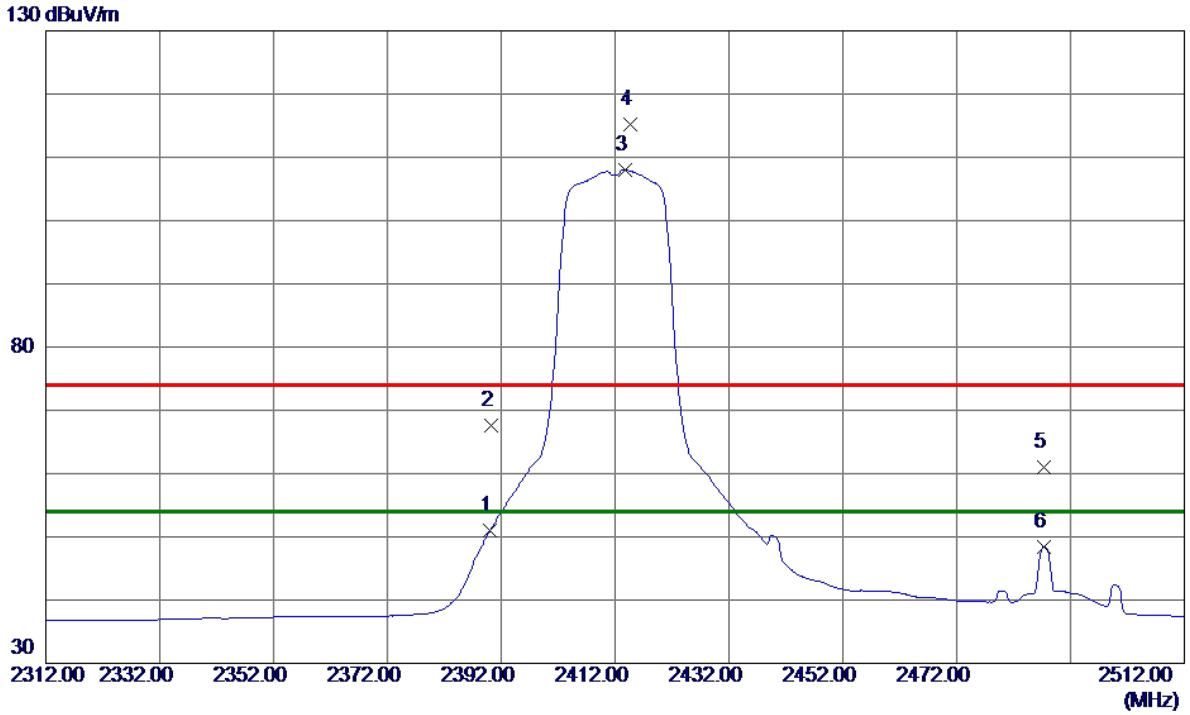
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.7300	39.99	6.76	46.75	74.00	-27.25	Peak	
2 *	4999.9700	35.32	6.76	42.08	54.00	-11.92	AVG	
3	7385.9900	22.12	13.50	35.62	54.00	-18.38	AVG	
4	7386.1800	29.70	13.50	43.20	74.00	-30.80	Peak	

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

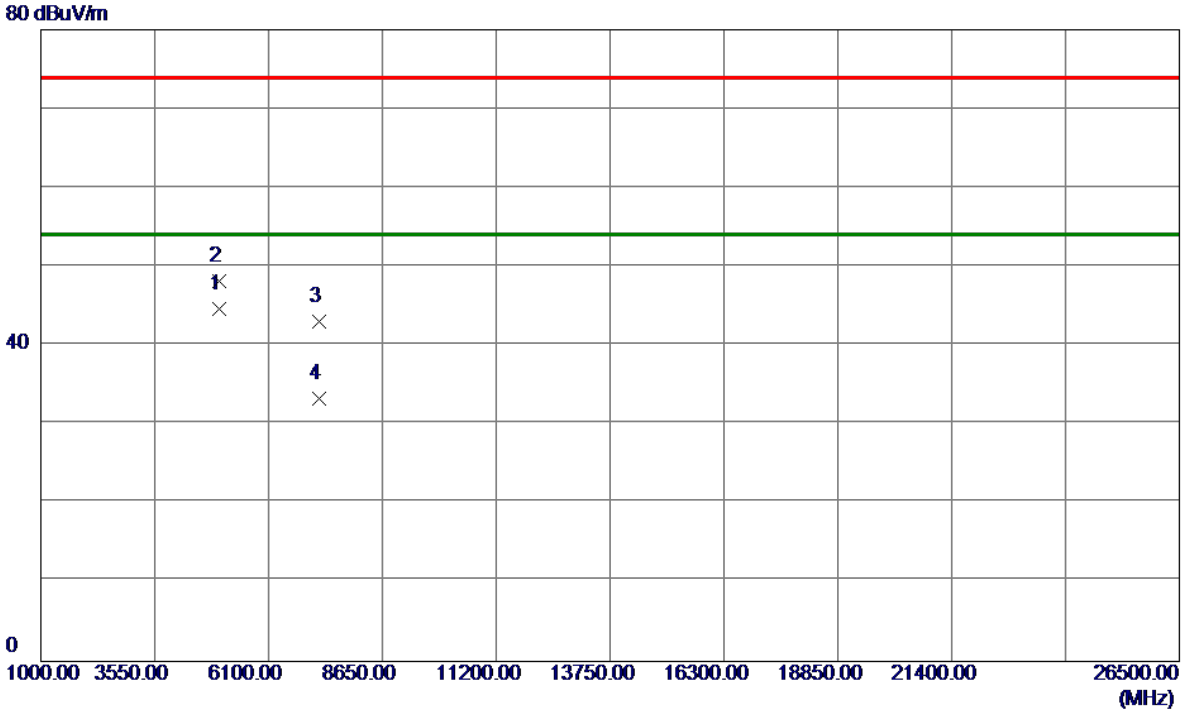
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	17.85	33.06	50.91	54.00	-3.09	AVG	
2	2390.2000	34.53	33.06	67.59	74.00	-6.41	Peak	
3 *	2413.7000	74.85	33.15	108.00	54.00	54.00	AVG	No Limit
4	2414.7000	81.99	33.15	115.14	74.00	41.14	Peak	No Limit
5	2487.3000	27.67	33.42	61.09	74.00	-12.91	Peak	
6	2487.4000	14.96	33.42	48.38	54.00	-5.62	AVG	

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

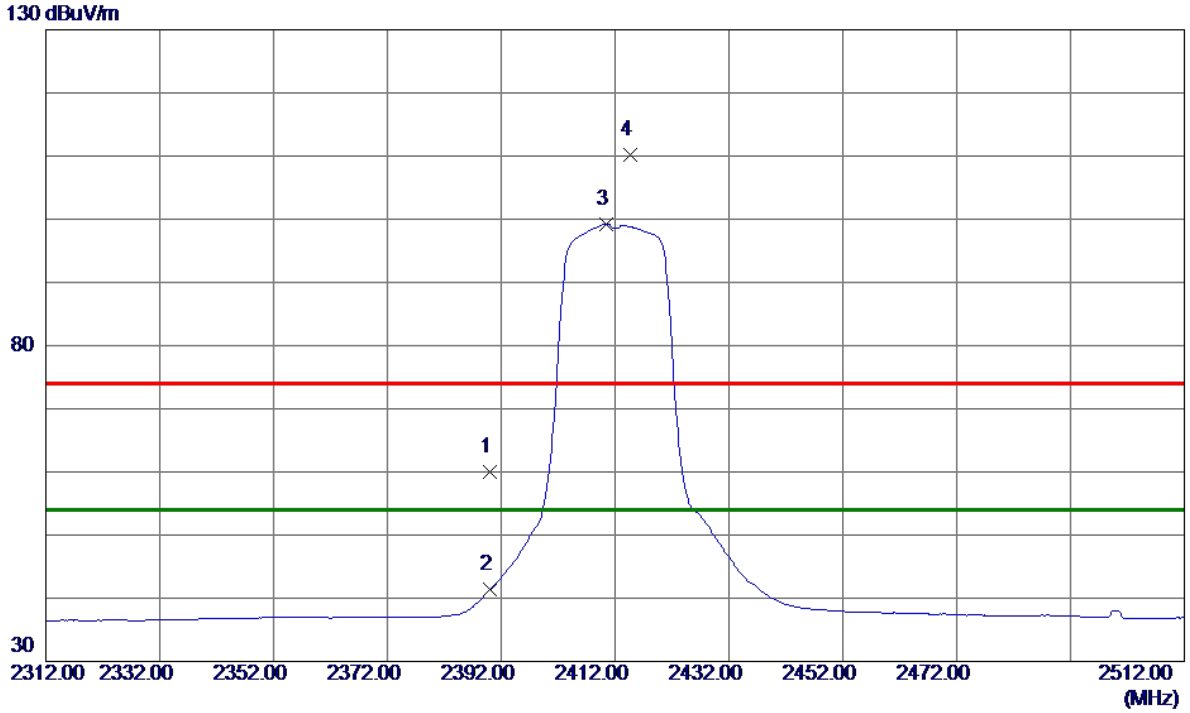
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4999.9700	37.85	6.76	44.61	54.00	-9.39	AVG	
2	5000.1100	41.46	6.76	48.22	74.00	-25.78	Peak	
3	7234.8900	29.74	13.25	42.99	74.00	-31.01	Peak	
4	7235.9900	20.09	13.25	33.34	54.00	-20.66	AVG	

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

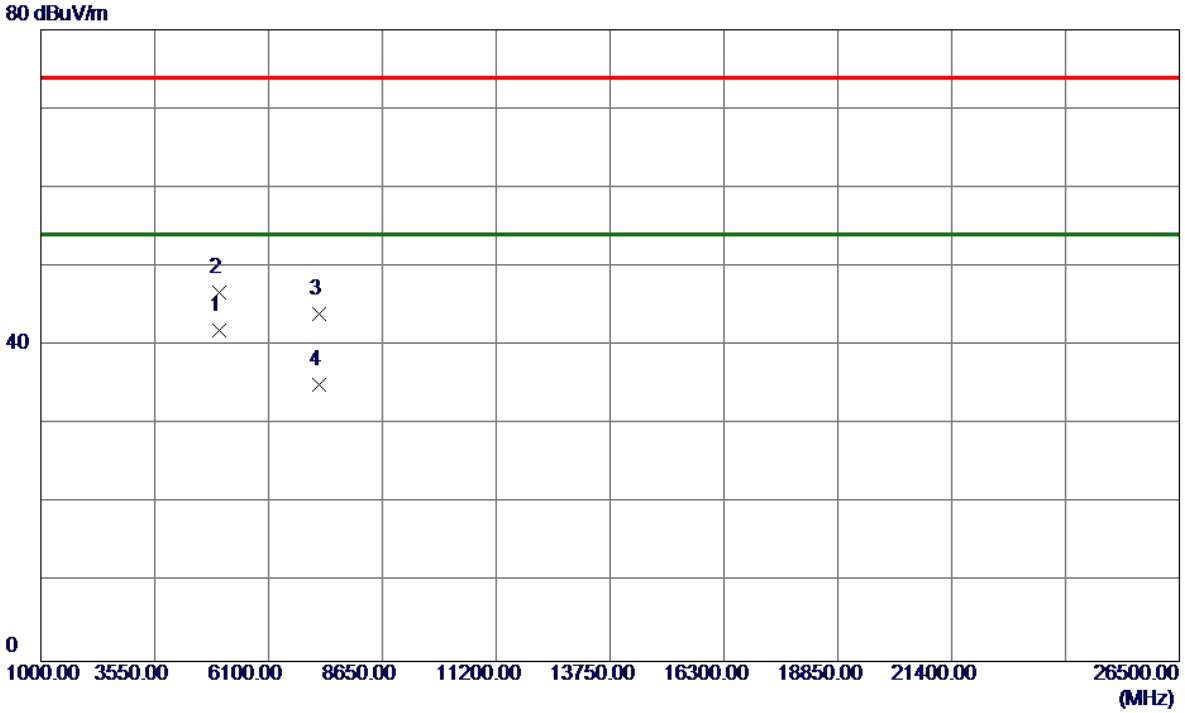
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	26.88	33.06	59.94	74.00	-14.06	Peak	
2	2390.0000	8.25	33.06	41.31	54.00	-12.69	AVG	
3 *	2410.5000	66.13	33.13	99.26	54.00	45.26	AVG	No Limit
4	2414.6000	77.06	33.15	110.21	74.00	36.21	Peak	No Limit

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

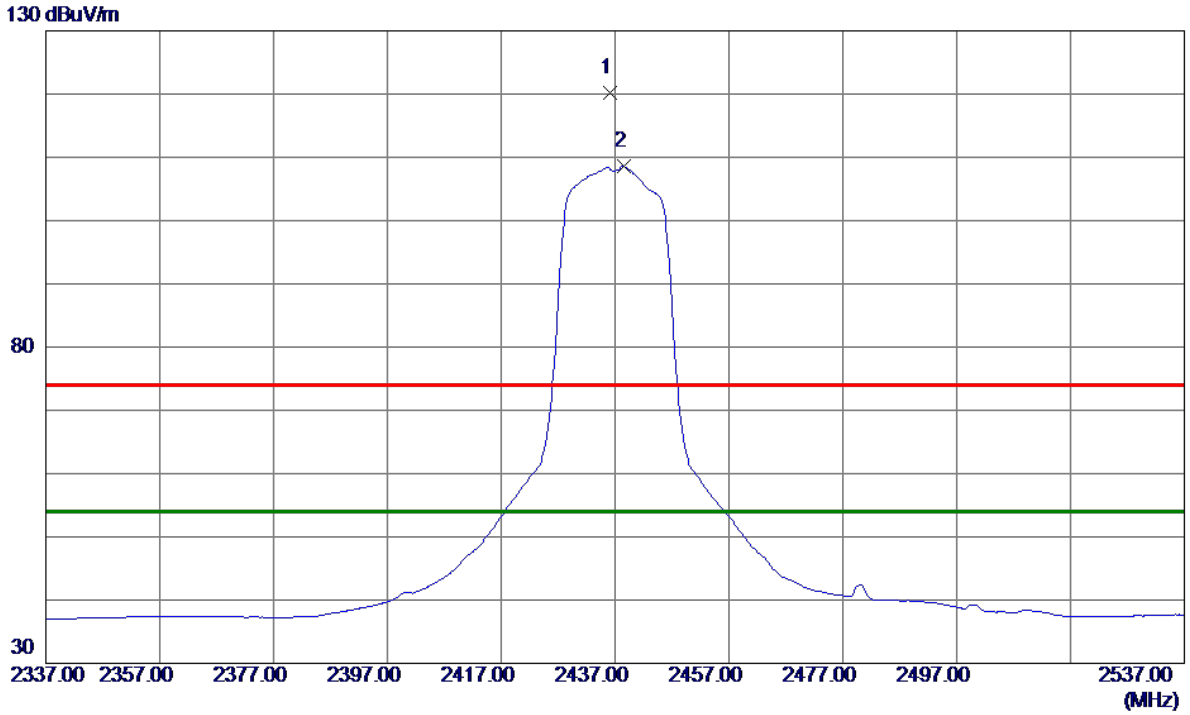
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4999.9700	35.18	6.76	41.94	54.00	-12.06	AVG	
2	4999.9900	40.02	6.76	46.78	74.00	-27.22	Peak	
3	7235.7300	30.74	13.25	43.99	74.00	-30.01	Peak	
4	7235.9800	21.83	13.25	35.08	54.00	-18.92	AVG	

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

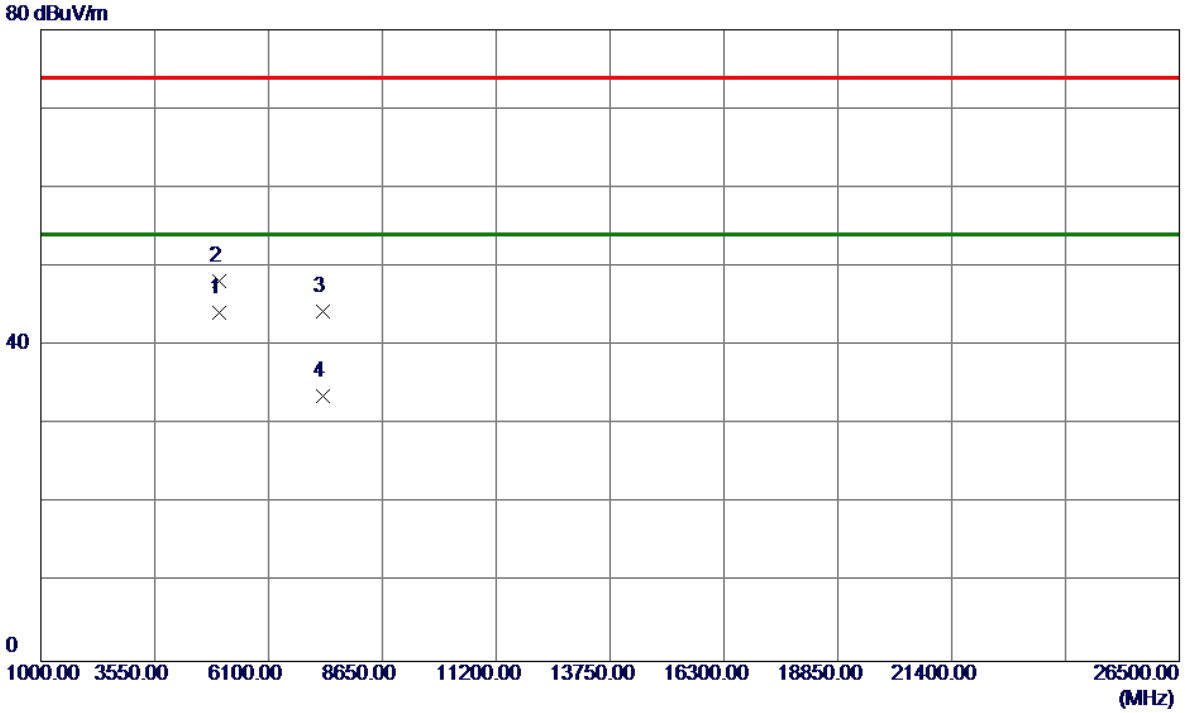
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2436.2000	86.94	33.23	120.17	74.00	46.17	Peak	No Limit
2 *	2438.5000	75.30	33.24	108.54	54.00	54.54	AVG	No Limit

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

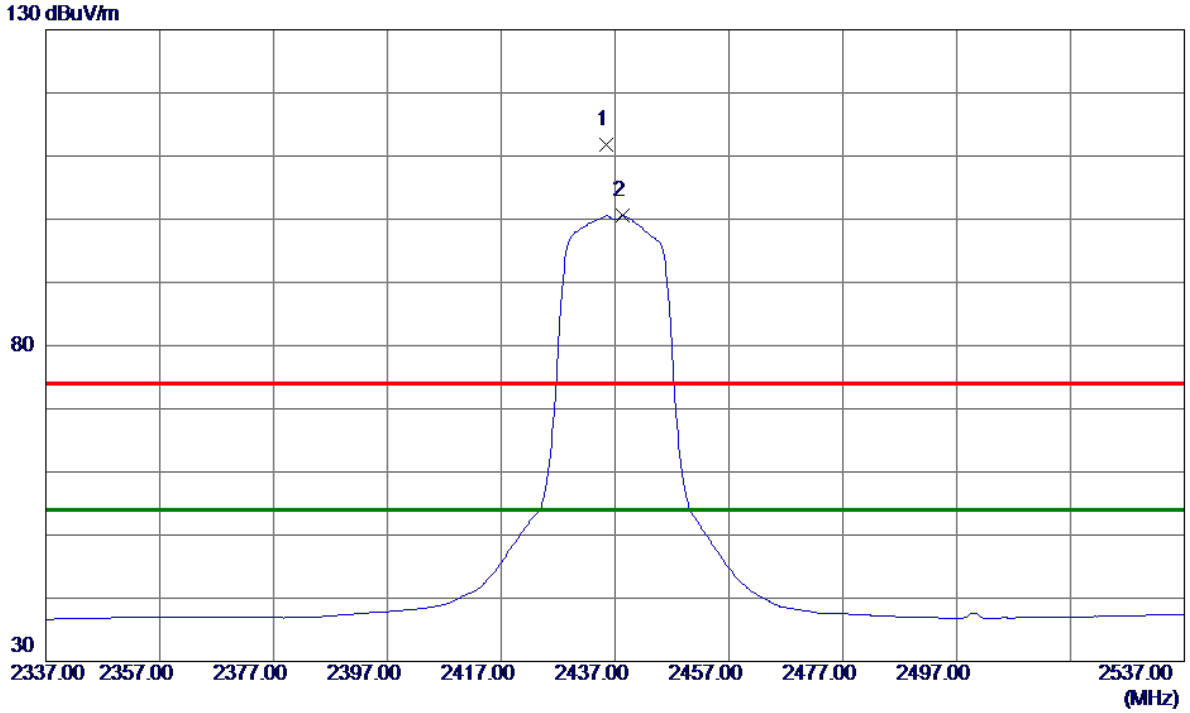
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4999.9700	37.47	6.76	44.23	54.00	-9.77	AVG	
2	5000.0800	41.34	6.76	48.10	74.00	-25.90	Peak	
3	7310.6600	30.92	13.37	44.29	74.00	-29.71	Peak	
4	7310.9800	20.17	13.37	33.54	54.00	-20.46	AVG	

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

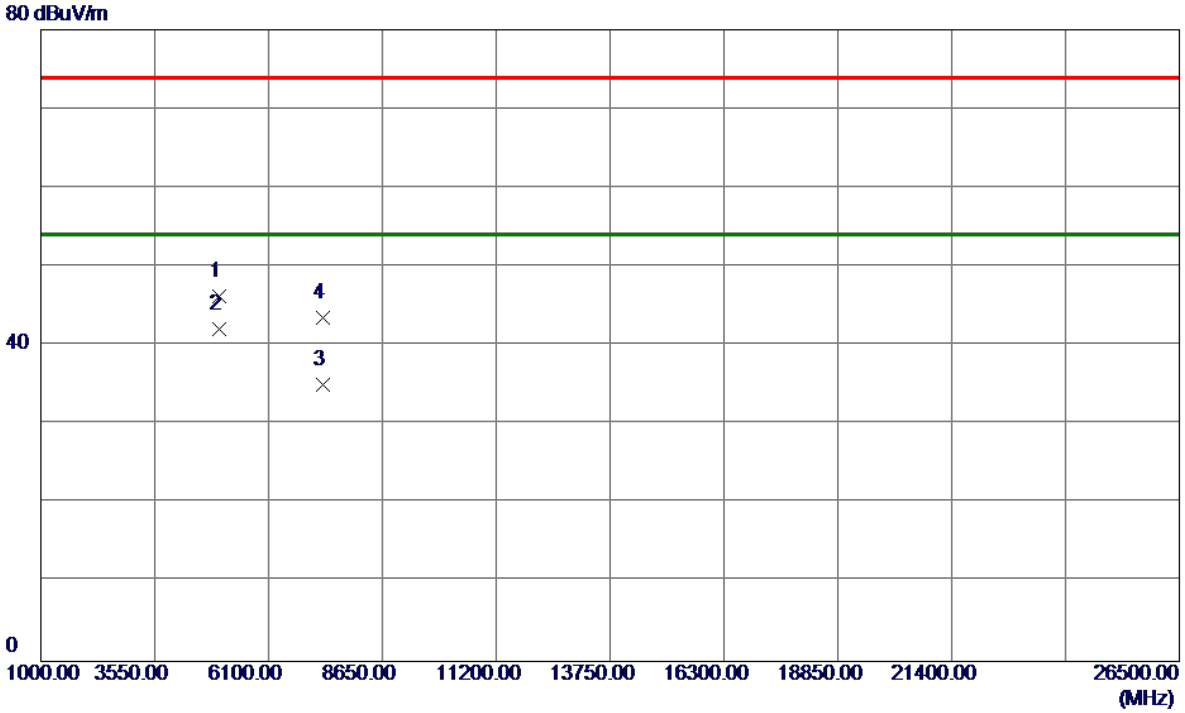
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2435.4000	78.48	33.23	111.71	74.00	37.71	Peak	No Limit
2 *	2438.4000	67.29	33.24	100.53	54.00	46.53	AVG	No Limit

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

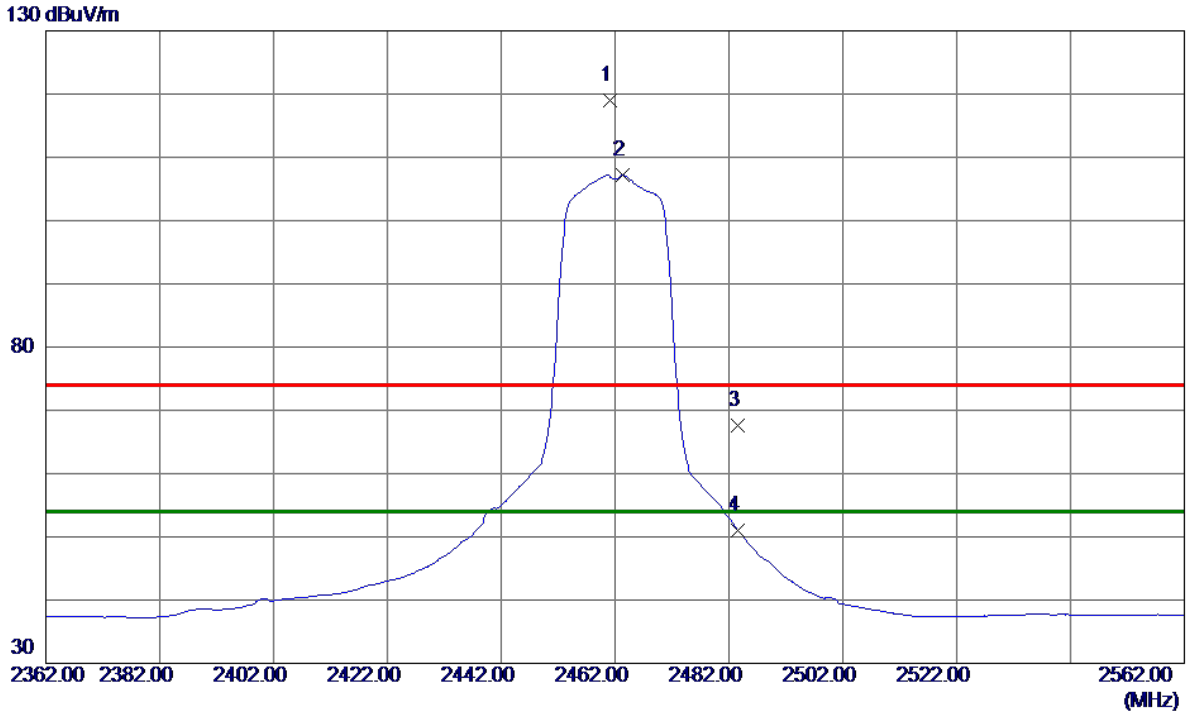
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.8800	39.44	6.76	46.20	74.00	-27.80	Peak	
2 *	4999.9800	35.35	6.76	42.11	54.00	-11.89	AVG	
3	7310.9700	21.64	13.37	35.01	54.00	-18.99	AVG	
4	7311.2200	30.09	13.37	43.46	74.00	-30.54	Peak	

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

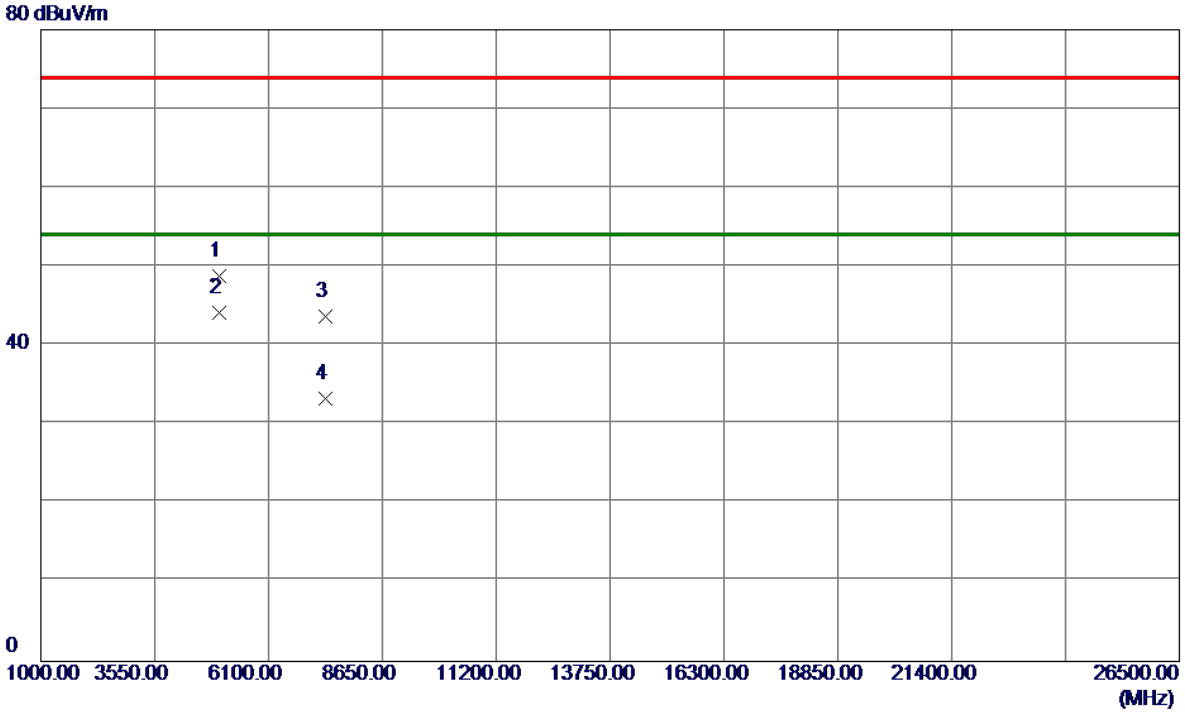
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.1000	85.71	33.32	119.03	74.00	45.03	Peak	No Limit
2 *	2463.4000	73.81	33.33	107.14	54.00	53.14	AVG	No Limit
3	2483.5000	34.21	33.41	67.62	74.00	-6.38	Peak	
4	2483.5000	17.56	33.41	50.97	54.00	-3.03	AVG	

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

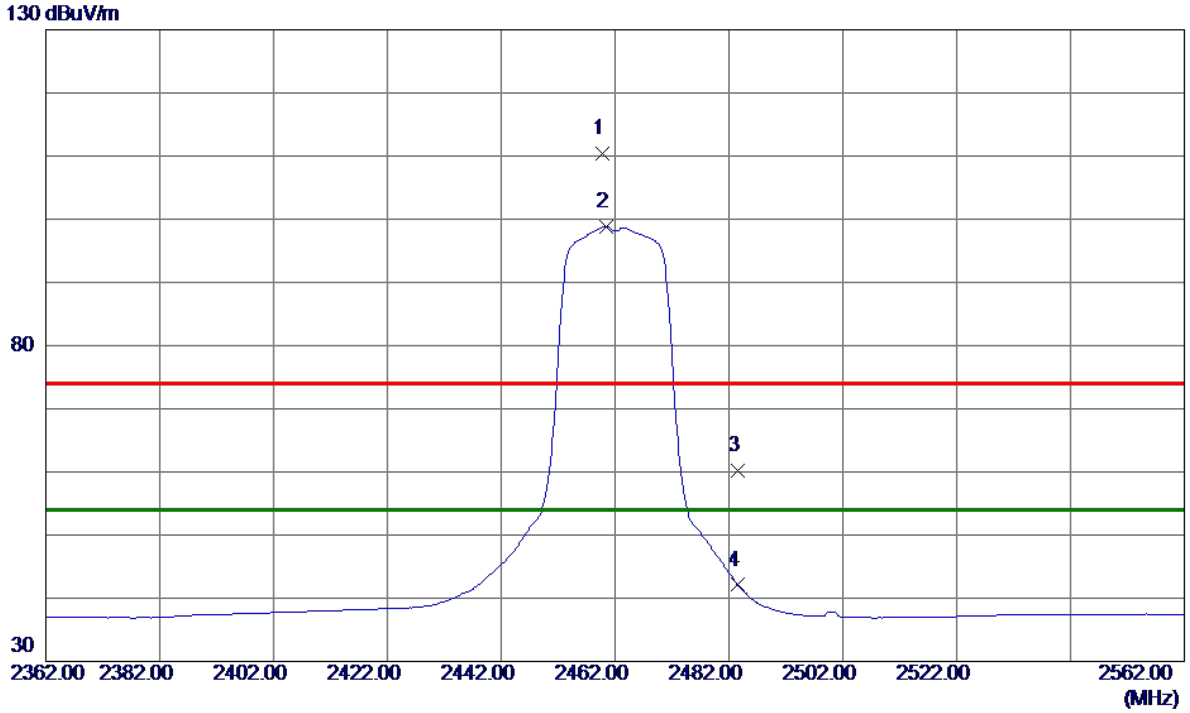
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.9000	42.06	6.76	48.82	74.00	-25.18	Peak	
2 *	4999.9900	37.45	6.76	44.21	54.00	-9.79	AVG	
3	7385.6700	30.19	13.50	43.69	74.00	-30.31	Peak	
4	7386.0100	19.71	13.50	33.21	54.00	-20.79	AVG	

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

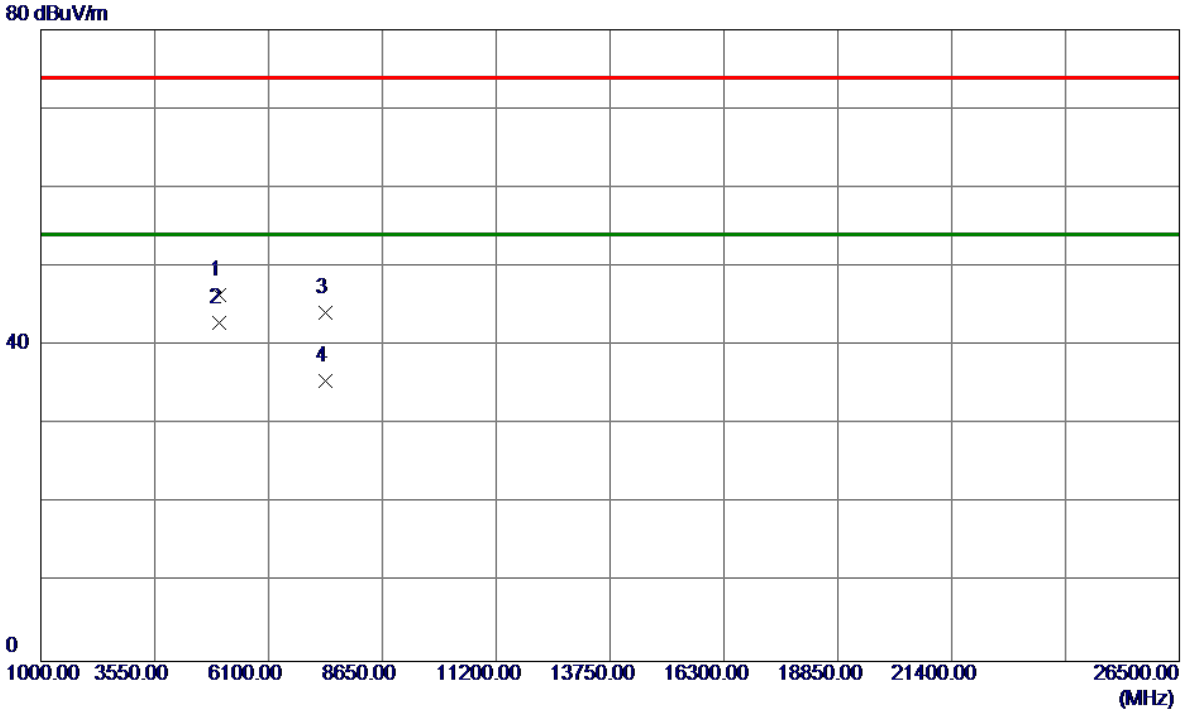
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459.7000	77.02	33.32	110.34	74.00	36.34	Peak	No Limit
2 *	2460.5000	65.52	33.32	98.84	54.00	44.84	AVG	No Limit
3	2483.5000	26.87	33.41	60.28	74.00	-13.72	Peak	
4	2483.5000	8.69	33.41	42.10	54.00	-11.90	AVG	

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

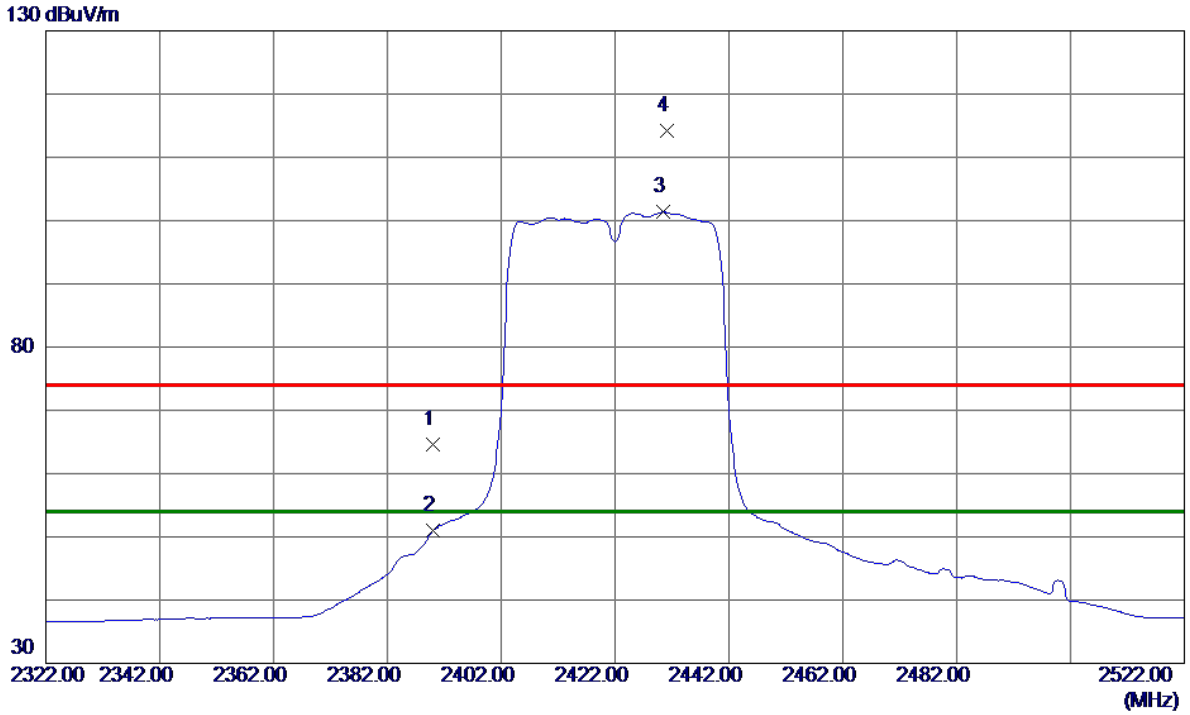
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.8900	39.66	6.76	46.42	74.00	-27.58	Peak	
2 *	4999.9900	36.06	6.76	42.82	54.00	-11.18	AVG	
3	7386.0100	30.59	13.50	44.09	74.00	-29.91	Peak	
4	7386.0300	21.98	13.50	35.48	54.00	-18.52	AVG	

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

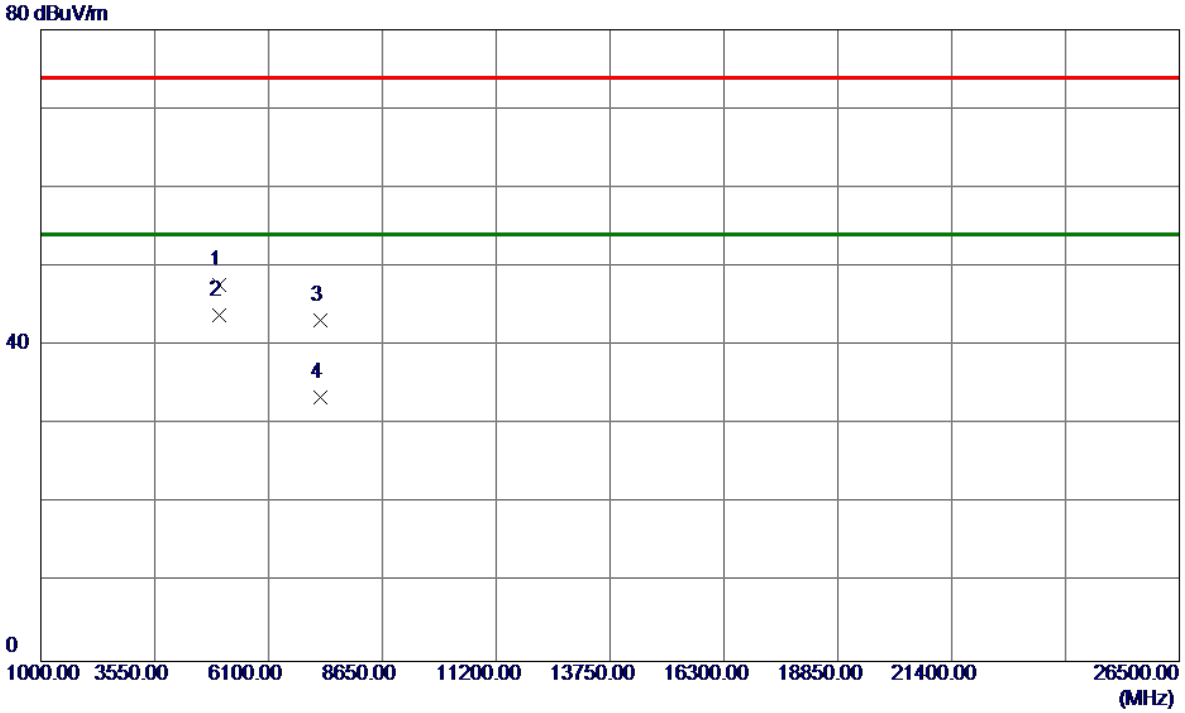
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	31.52	33.06	64.58	74.00	-9.42	Peak	
2	2390.0000	17.93	33.06	50.99	54.00	-3.01	AVG	
3 *	2430.4000	68.15	33.21	101.36	54.00	47.36	AVG	No Limit
4	2431.2000	81.05	33.21	114.26	74.00	40.26	Peak	No Limit

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

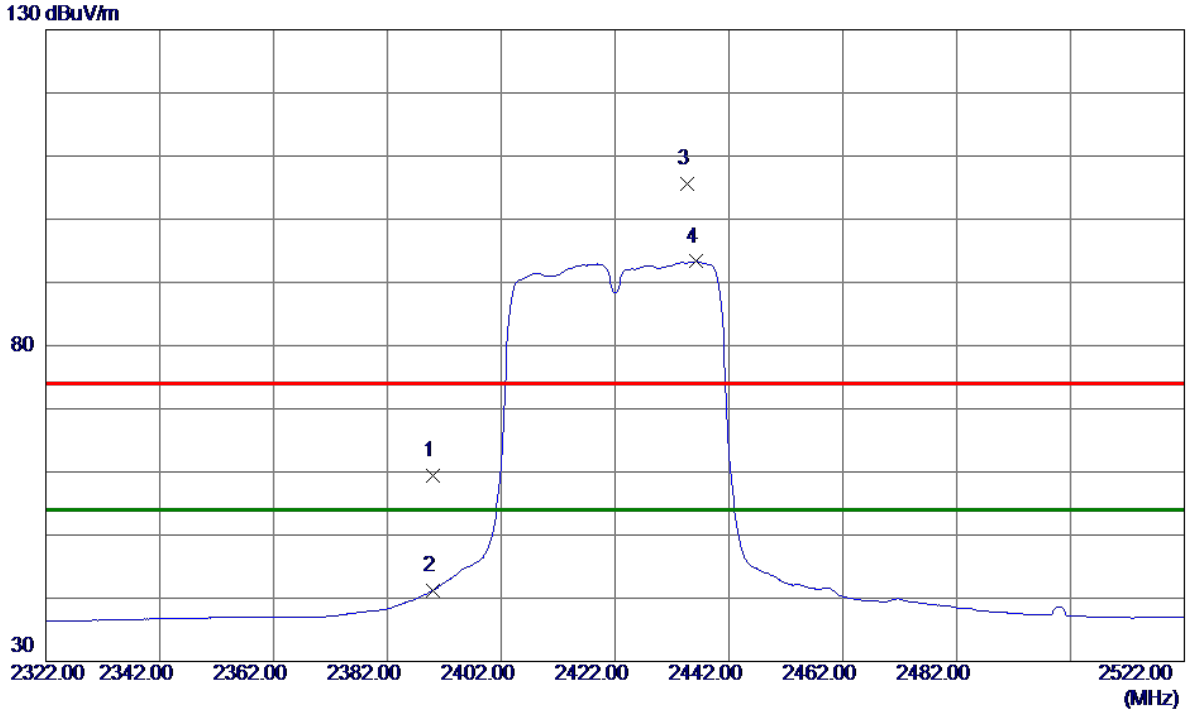
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5000.0099	40.98	6.76	47.74	74.00	-26.26	Peak	
2 *	5000.0099	37.12	6.76	43.88	54.00	-10.12	AVG	
3	7265.5700	29.90	13.30	43.20	74.00	-30.80	Peak	
4	7266.0400	20.11	13.30	33.41	54.00	-20.59	AVG	

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

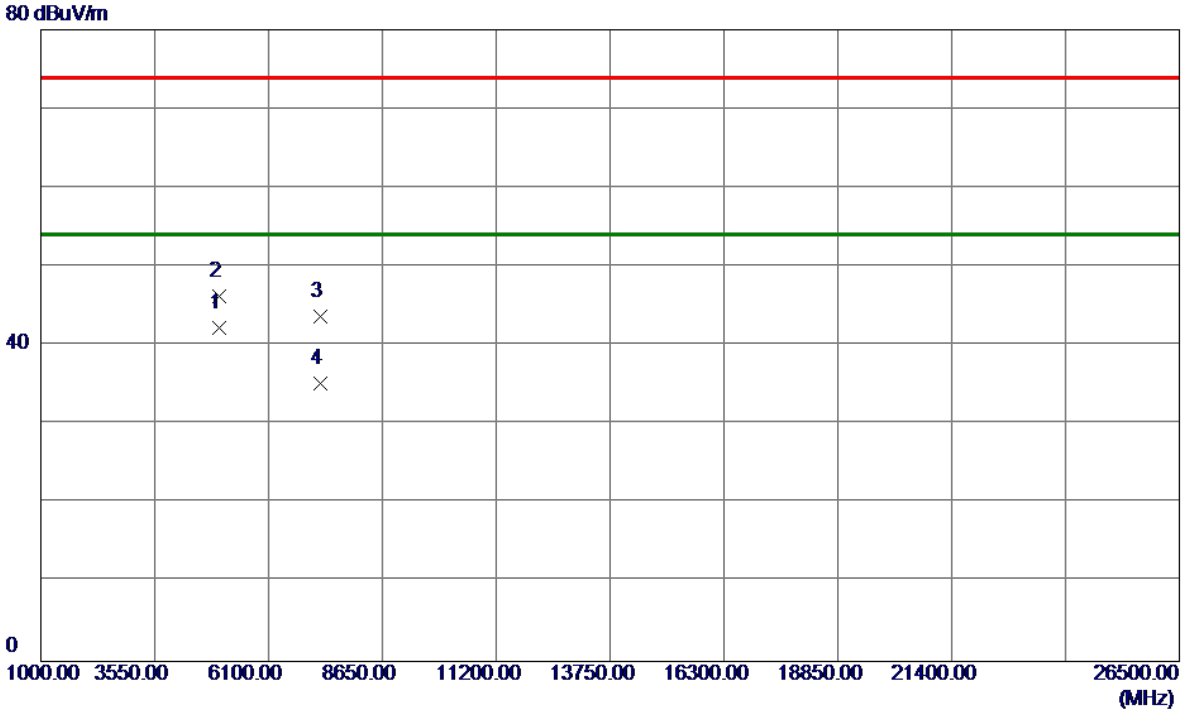
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	26.41	33.06	59.47	74.00	-14.53	Peak	
2	2390.0000	8.16	33.06	41.22	54.00	-12.78	AVG	
3	2434.6000	72.36	33.22	105.58	74.00	31.58	Peak	No Limit
4 *	2436.3000	60.07	33.23	93.30	54.00	39.30	AVG	No Limit

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

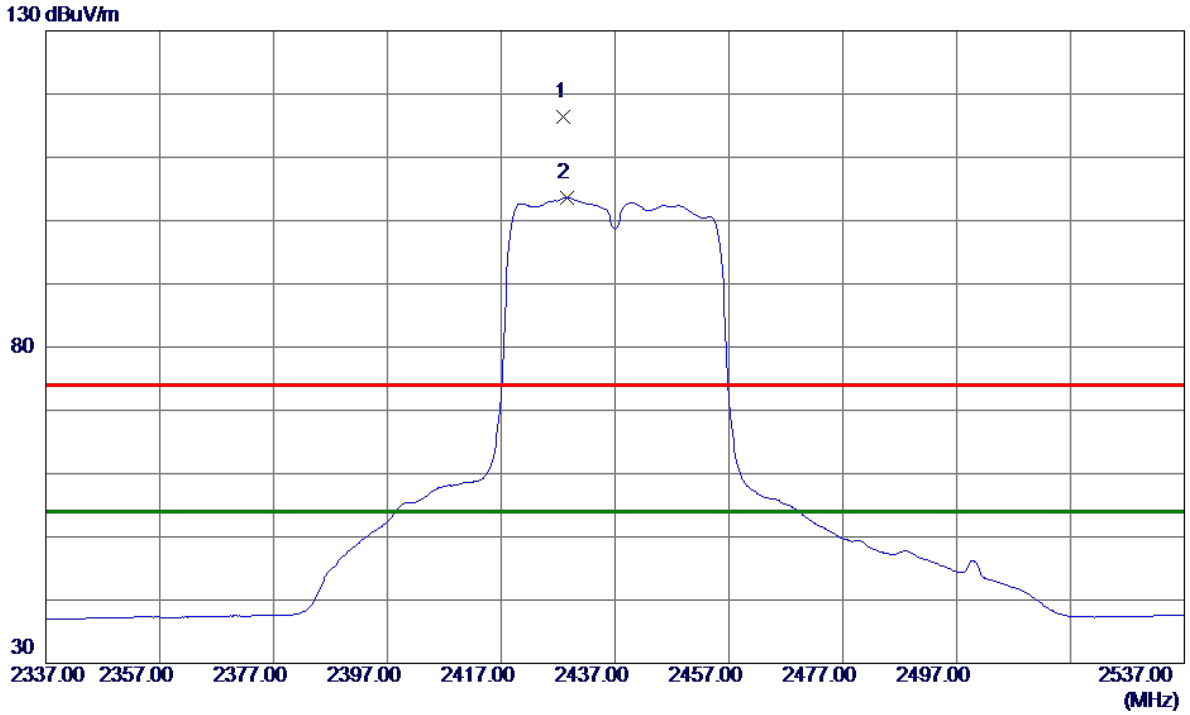
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4999.9600	35.49	6.76	42.25	54.00	-11.75	AVG	
2	4999.9800	39.54	6.76	46.30	74.00	-27.70	Peak	
3	7265.8200	30.43	13.30	43.73	74.00	-30.27	Peak	
4	7265.9800	21.96	13.30	35.26	54.00	-18.74	AVG	

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

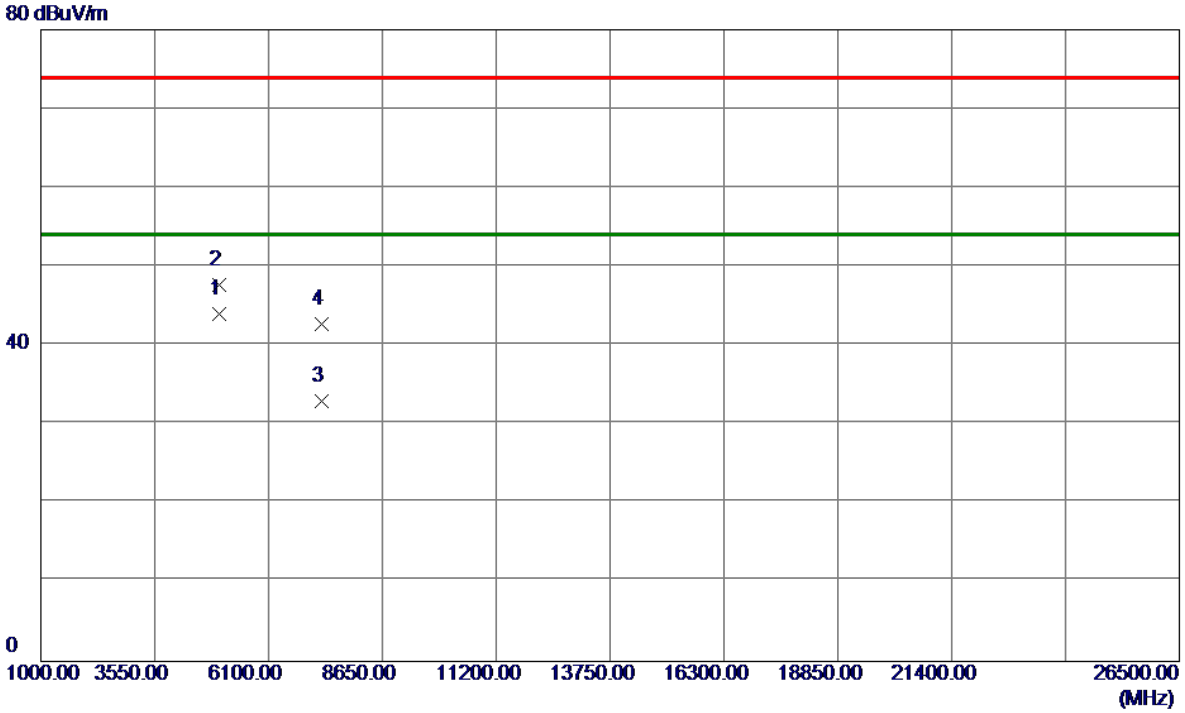
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2428.0000	83.29	33.20	116.49	74.00	42.49	Peak	No Limit
2 *	2428.6000	70.44	33.20	103.64	54.00	49.64	AVG	No Limit

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

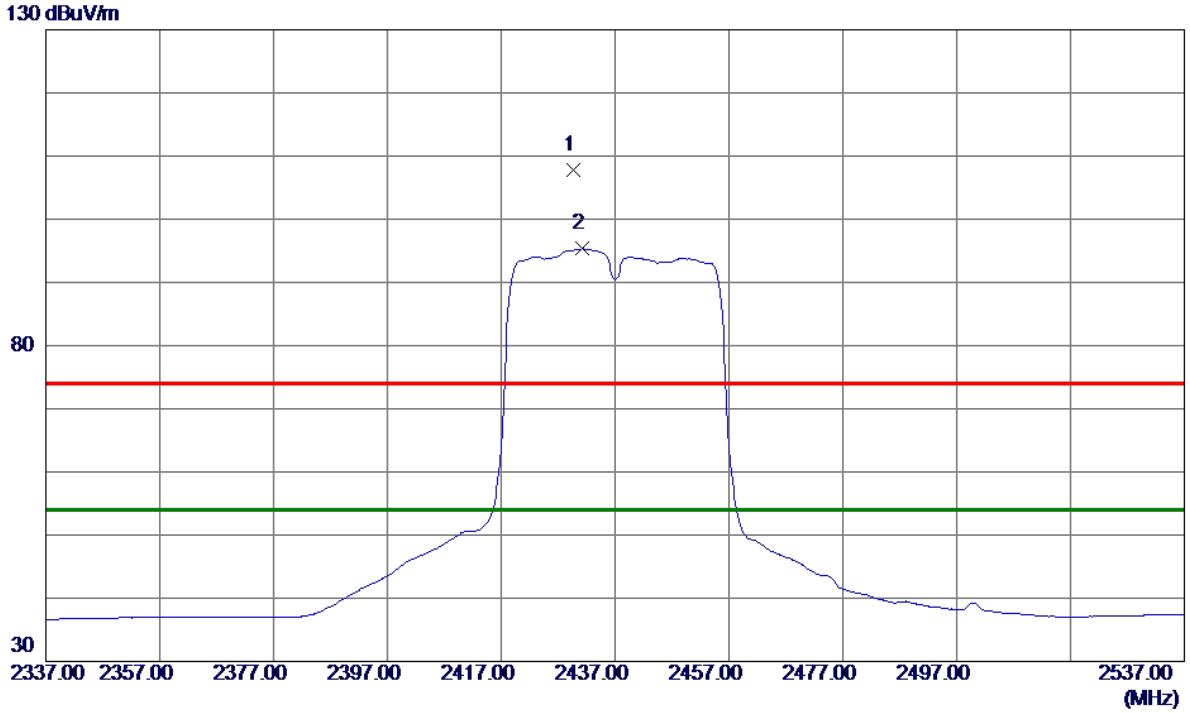
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5000.0299	37.21	6.76	43.97	54.00	-10.03	AVG	
2	5000.0800	40.88	6.76	47.64	74.00	-26.36	Peak	
3	7295.9900	19.66	13.35	33.01	54.00	-20.99	AVG	
4	7296.0100	29.30	13.35	42.65	74.00	-31.35	Peak	

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

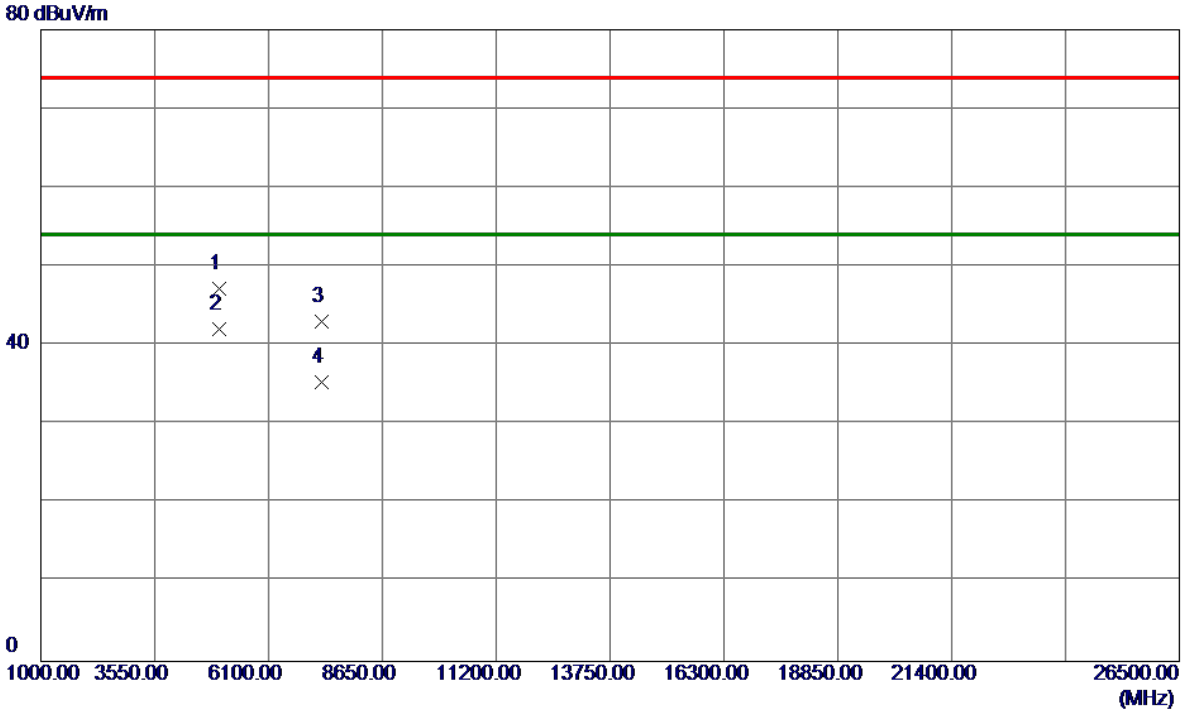
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2429.6000	74.55	33.21	107.76	74.00	33.76	Peak	No Limit
2 *	2431.3000	62.10	33.21	95.31	54.00	41.31	AVG	No Limit

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

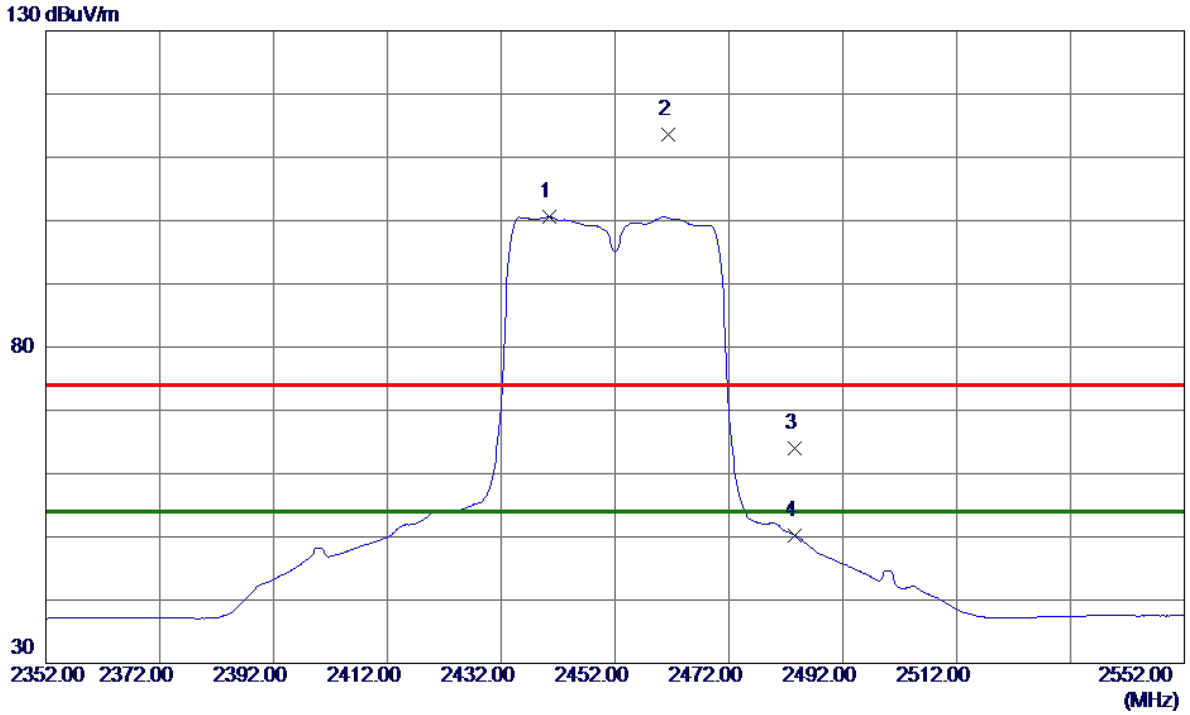
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.9400	40.48	6.76	47.24	74.00	-26.76	Peak	
2 *	4999.9400	35.35	6.76	42.11	54.00	-11.89	AVG	
3	7295.9700	29.76	13.35	43.11	74.00	-30.89	Peak	
4	7295.9700	22.05	13.35	35.40	54.00	-18.60	AVG	

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

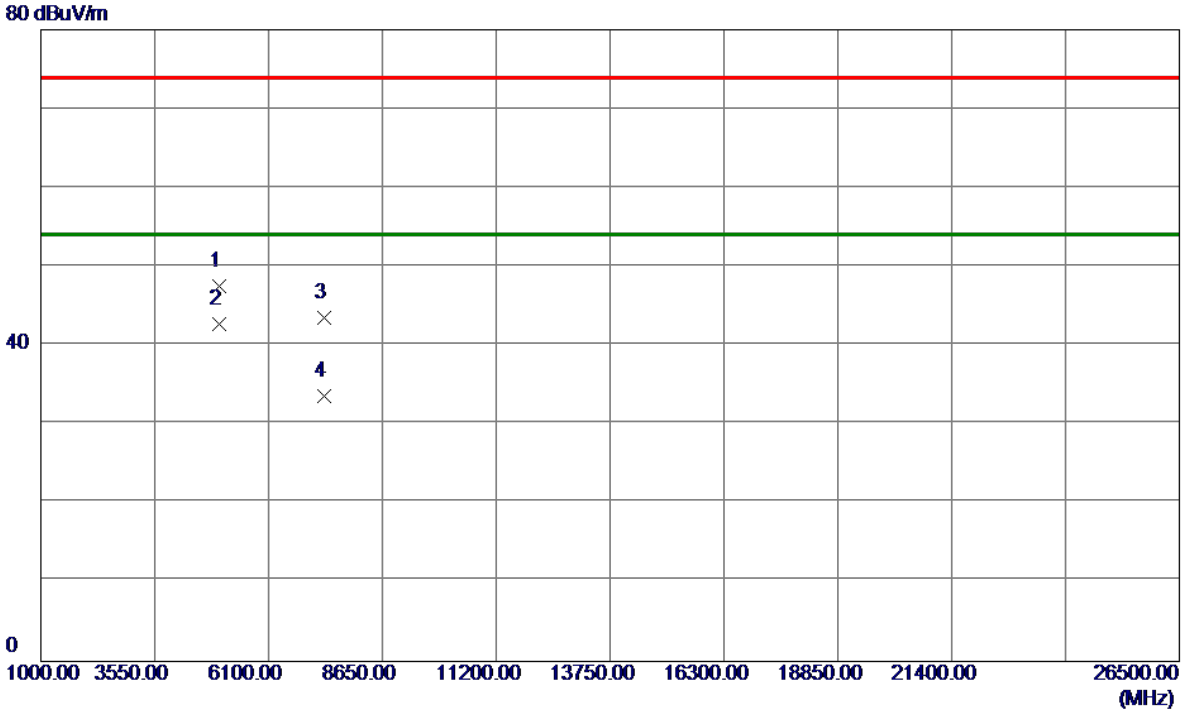
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2440.4000	67.33	33.25	100.58	54.00	46.58	AVG	No Limit
2	2461.3000	80.27	33.32	113.59	74.00	39.59	Peak	No Limit
3	2483.5000	30.54	33.41	63.95	74.00	-10.05	Peak	
4	2483.5000	16.81	33.41	50.22	54.00	-3.78	AVG	

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

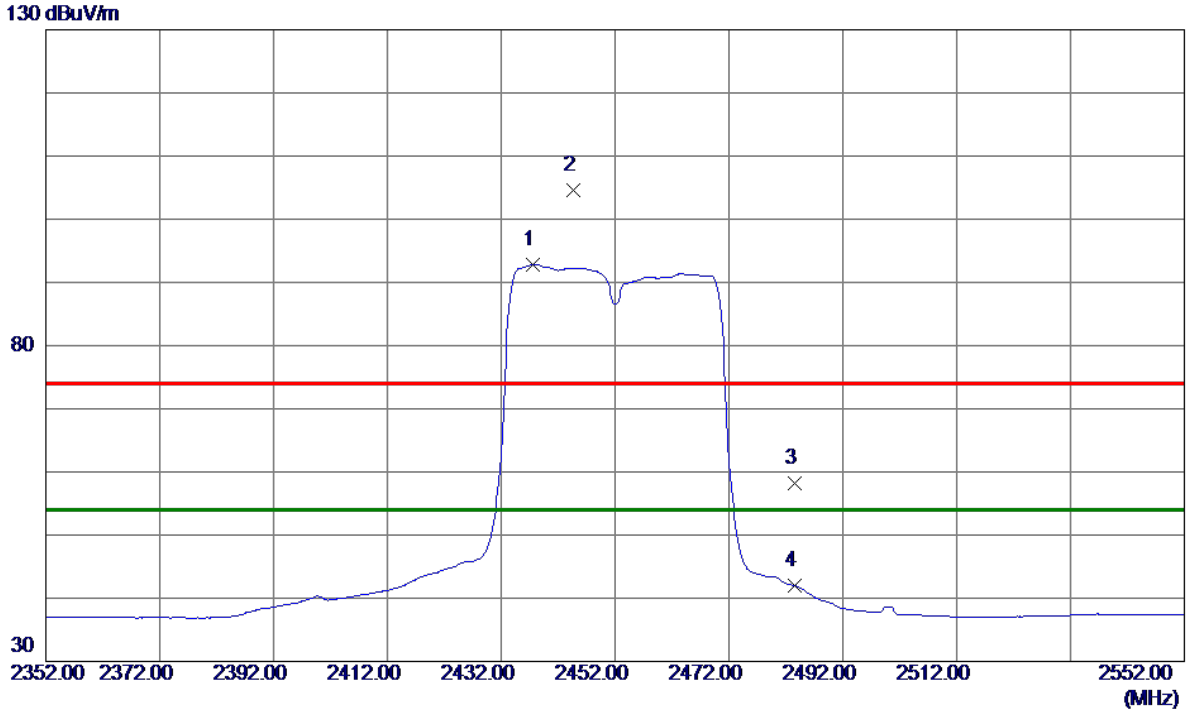
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.8700	40.82	6.76	47.58	74.00	-26.42	Peak	
2 *	4999.9700	36.02	6.76	42.78	54.00	-11.22	AVG	
3	7355.9600	30.07	13.45	43.52	74.00	-30.48	Peak	
4	7356.0200	20.19	13.45	33.64	54.00	-20.36	AVG	

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

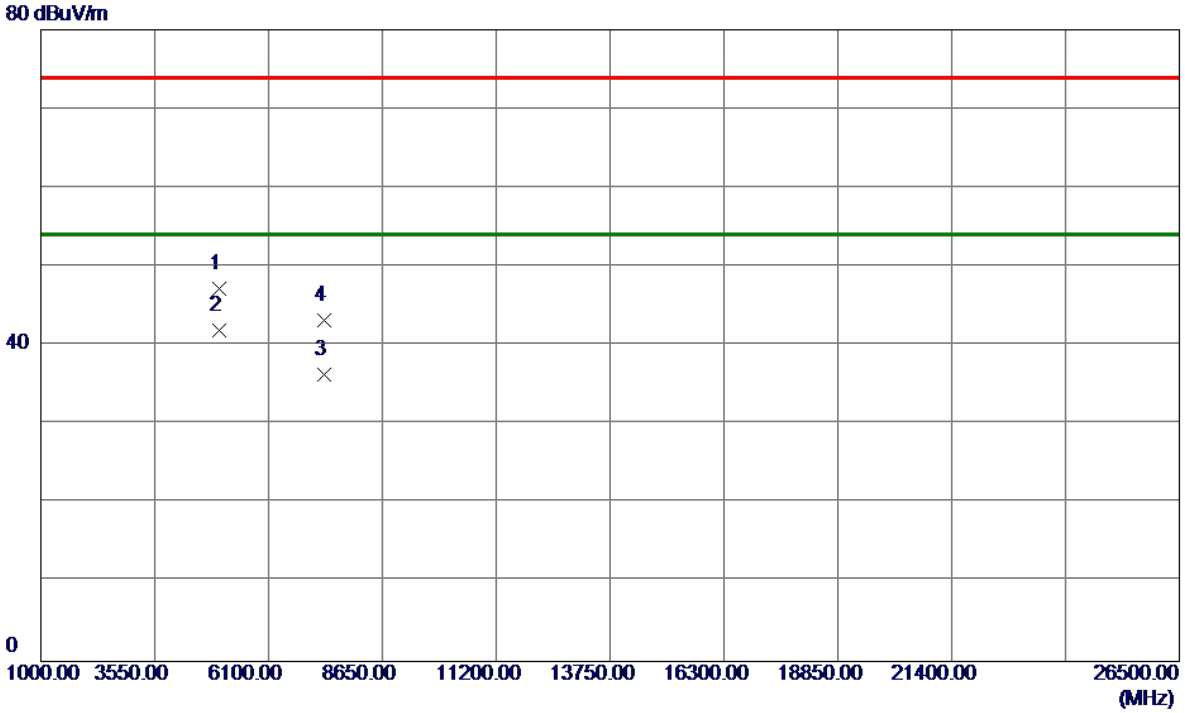
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2437.6000	59.55	33.24	92.79	54.00	38.79	AVG	No Limit
2	2444.6000	71.38	33.26	104.64	74.00	30.64	Peak	No Limit
3	2483.5000	24.71	33.41	58.12	74.00	-15.88	Peak	
4	2483.5000	8.52	33.41	41.93	54.00	-12.07	AVG	

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

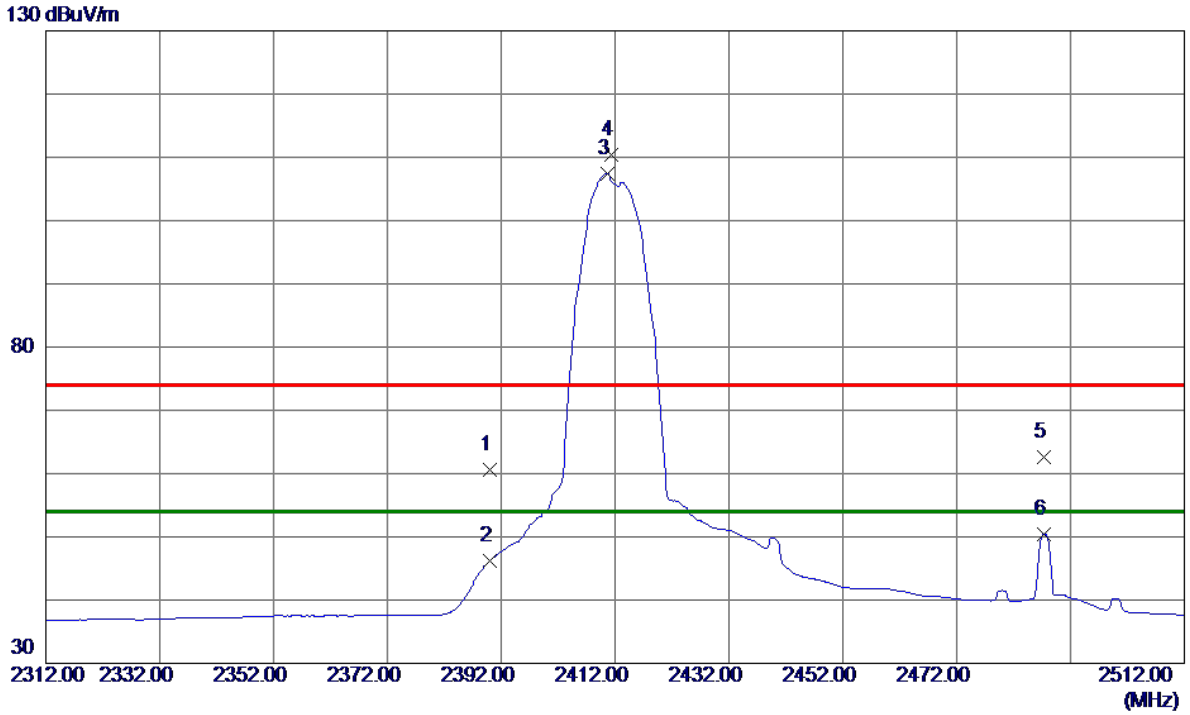
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.9500	40.40	6.76	47.16	74.00	-26.84	Peak	
2 *	4999.9600	35.17	6.76	41.93	54.00	-12.07	AVG	
3	7355.9900	22.86	13.45	36.31	54.00	-17.69	AVG	
4	7356.3100	29.81	13.45	43.26	74.00	-30.74	Peak	

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2412MHz

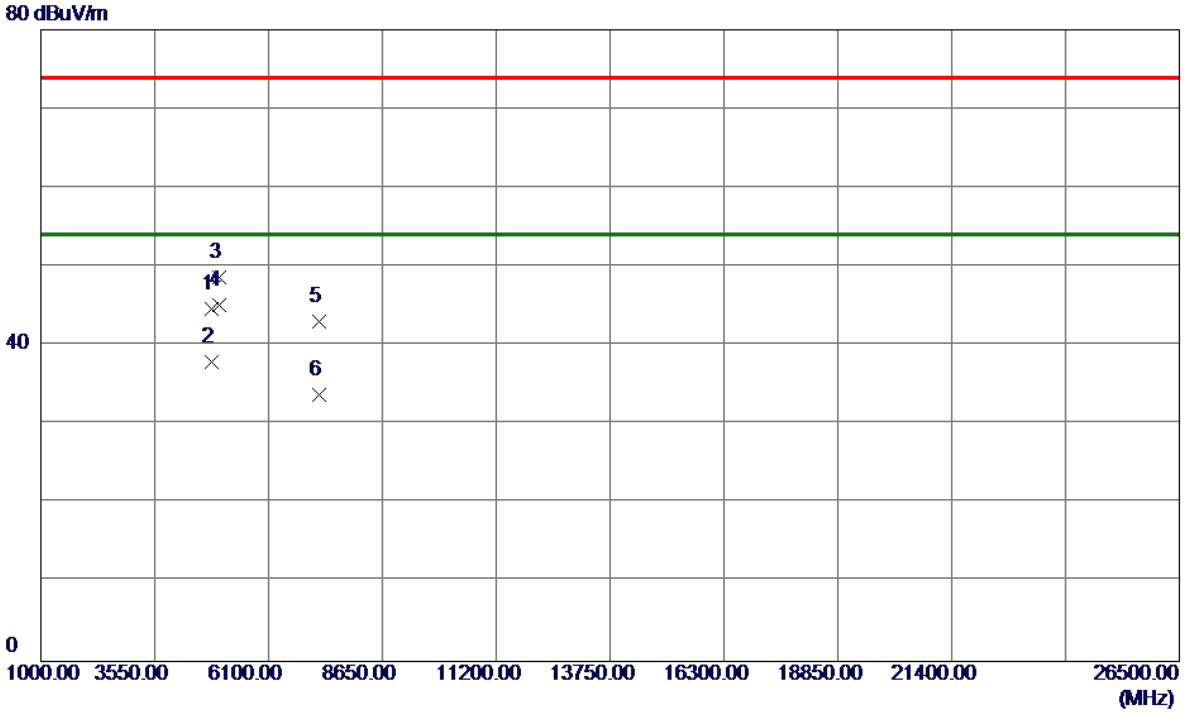
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	27.50	33.06	60.56	74.00	-13.44	Peak	
2	2390.0000	13.15	33.06	46.21	54.00	-7.79	AVG	
3 *	2410.6000	74.33	33.13	107.46	54.00	53.46	AVG	No Limit
4	2411.4000	77.33	33.14	110.47	74.00	36.47	Peak	No Limit
5	2487.4000	29.22	33.42	62.64	74.00	-11.36	Peak	
6	2487.4000	17.03	33.42	50.45	54.00	-3.55	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2412MHz

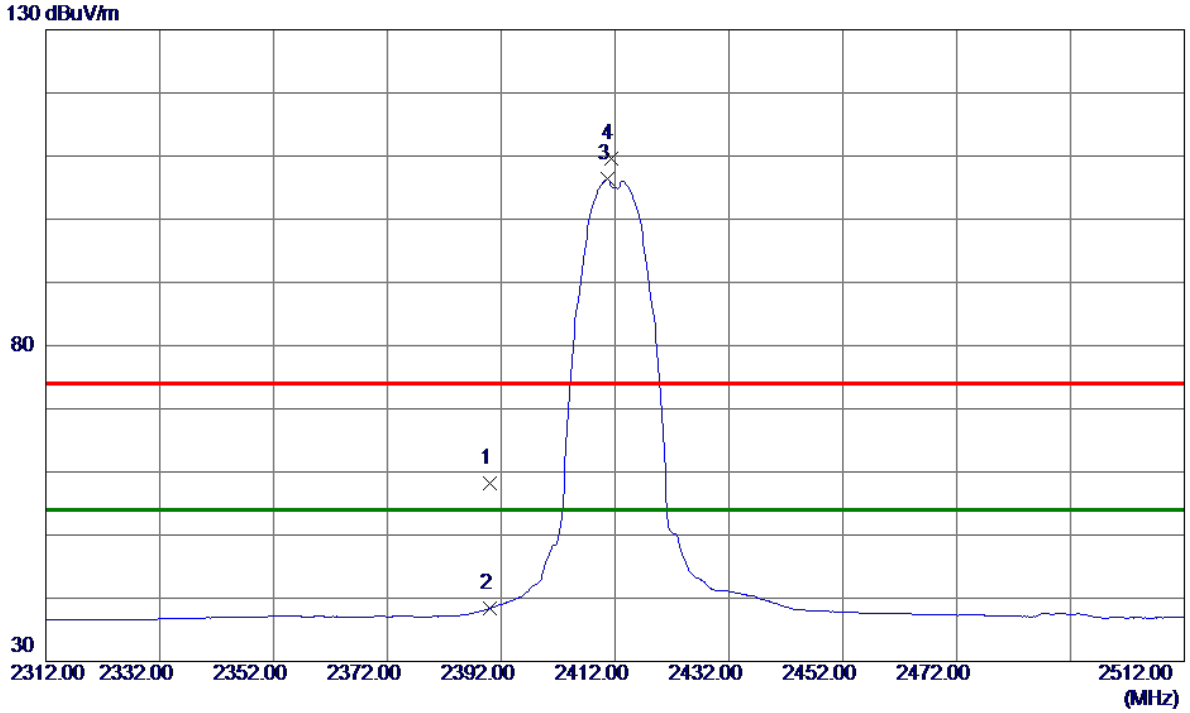
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9900	38.28	6.32	44.60	74.00	-29.40	Peak	
2	4823.9900	31.66	6.32	37.98	54.00	-16.02	AVG	
3	4999.8100	41.92	6.76	48.68	74.00	-25.32	Peak	
4 *	4999.9600	38.40	6.76	45.16	54.00	-8.84	AVG	
5	7235.8200	29.80	13.25	43.05	74.00	-30.95	Peak	
6	7235.9700	20.49	13.25	33.74	54.00	-20.26	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2412MHz

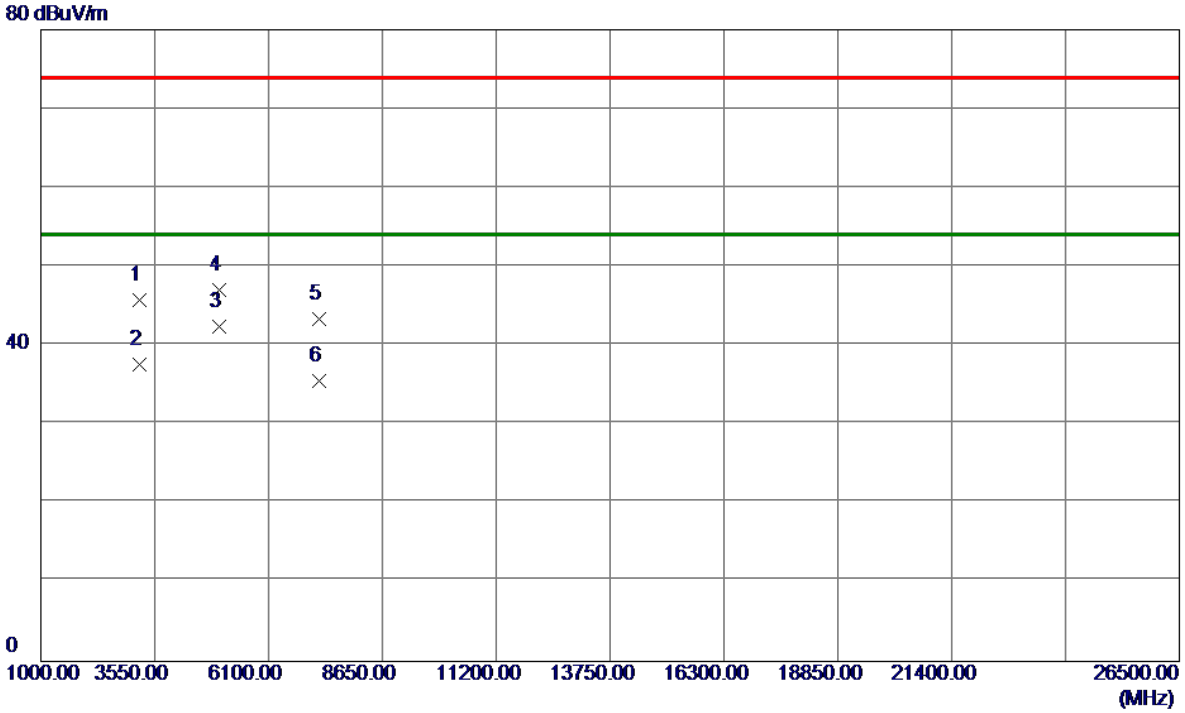
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	25.09	33.06	58.15	74.00	-15.85	Peak	
2	2390.0000	5.33	33.06	38.39	54.00	-15.61	AVG	
3 *	2410.7000	73.21	33.13	106.34	54.00	52.34	AVG	No Limit
4	2411.4000	76.43	33.14	109.57	74.00	35.57	Peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2412MHz

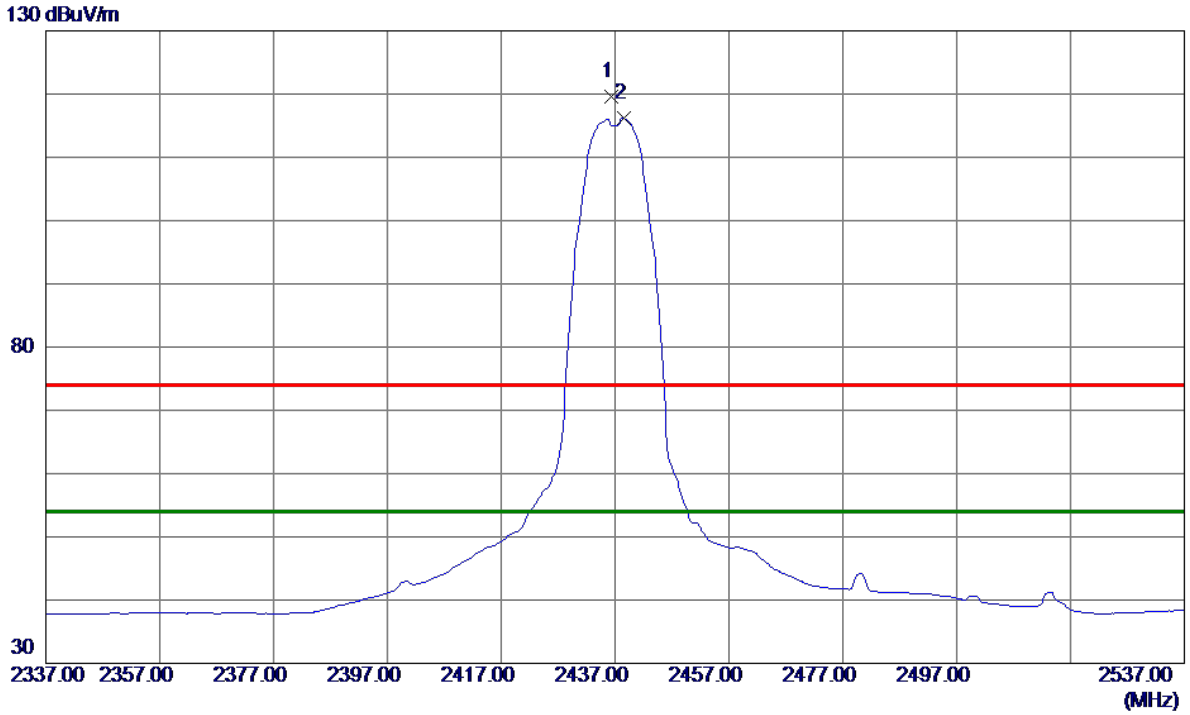
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3199.8250	43.44	2.27	45.71	74.00	-28.29	Peak	
2	3199.9500	35.34	2.27	37.61	54.00	-16.39	AVG	
3 *	4999.9750	35.61	6.76	42.37	54.00	-11.63	AVG	
4	5000.0000	40.26	6.76	47.02	74.00	-26.98	Peak	
5	7235.9750	30.16	13.25	43.41	74.00	-30.59	Peak	
6	7236.0000	22.20	13.25	35.45	54.00	-18.55	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2437MHz

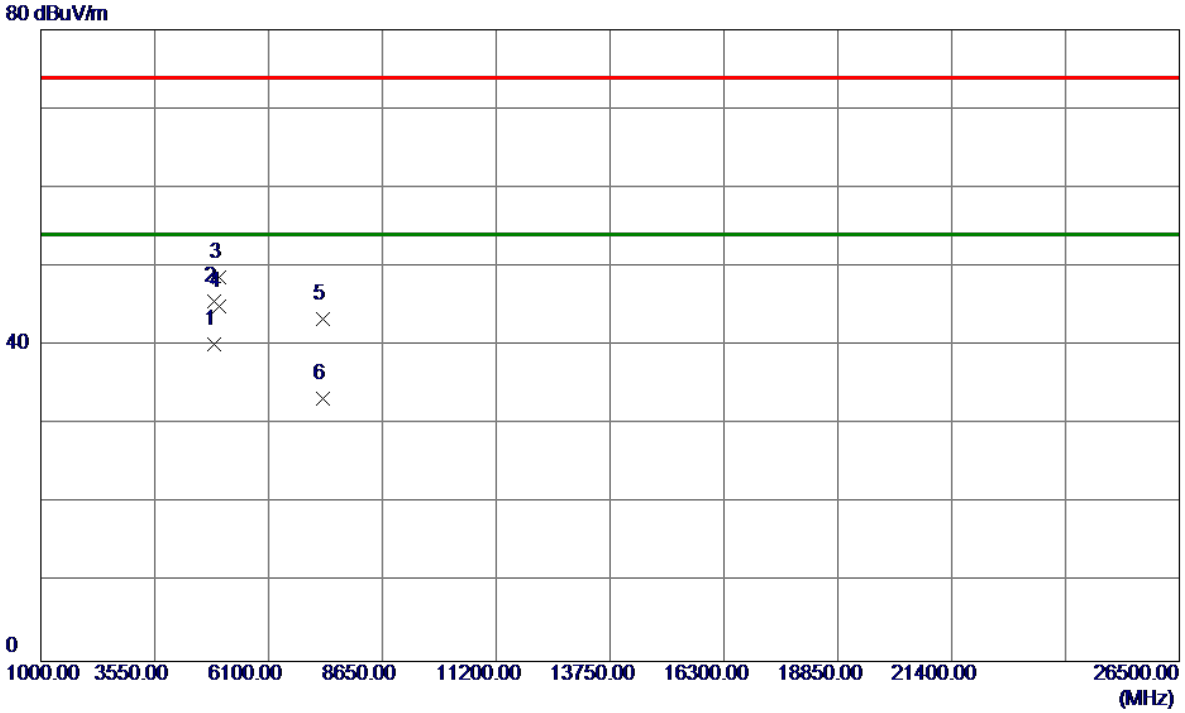
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2436.4000	86.38	33.23	119.61	74.00	45.61	Peak	No Limit
2 *	2438.5000	82.98	33.24	116.22	54.00	62.22	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2437MHz

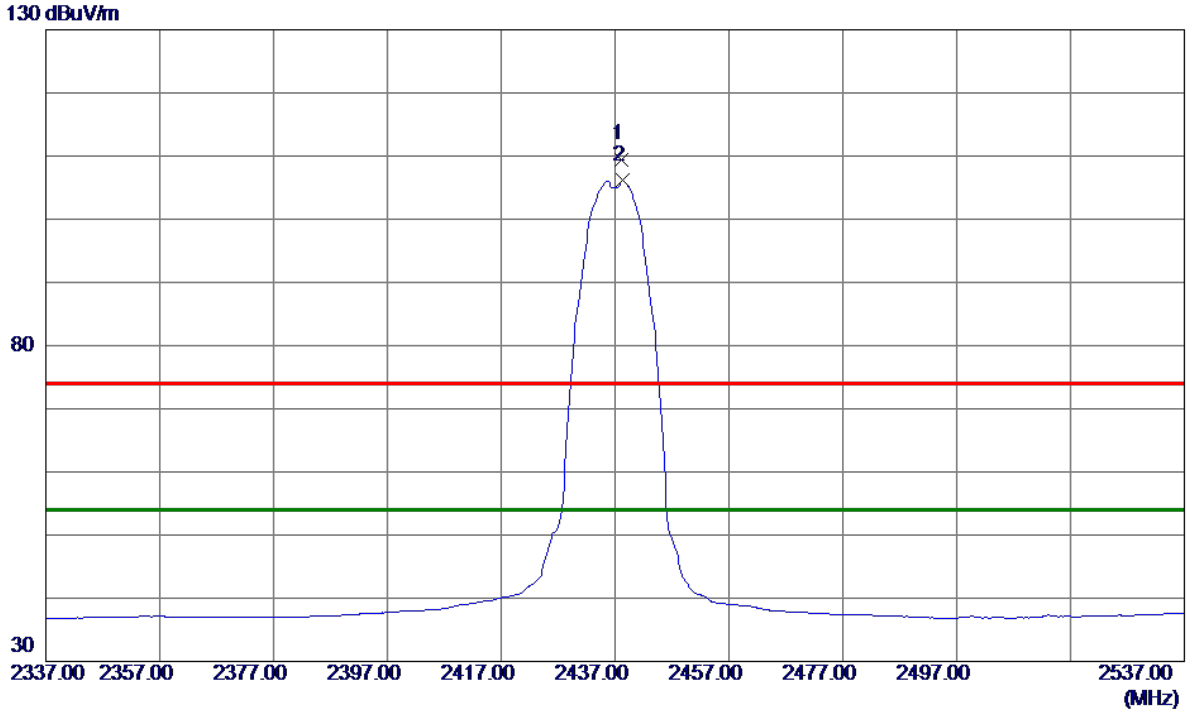
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.0099	33.74	6.44	40.18	54.00	-13.82	AVG	
2	4874.1400	39.16	6.44	45.60	74.00	-28.40	Peak	
3	4999.8700	41.85	6.76	48.61	74.00	-25.39	Peak	
4 *	4999.9700	38.27	6.76	45.03	54.00	-8.97	AVG	
5	7310.7350	29.95	13.37	43.32	74.00	-30.68	Peak	
6	7310.9550	19.94	13.37	33.31	54.00	-20.69	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2437MHz

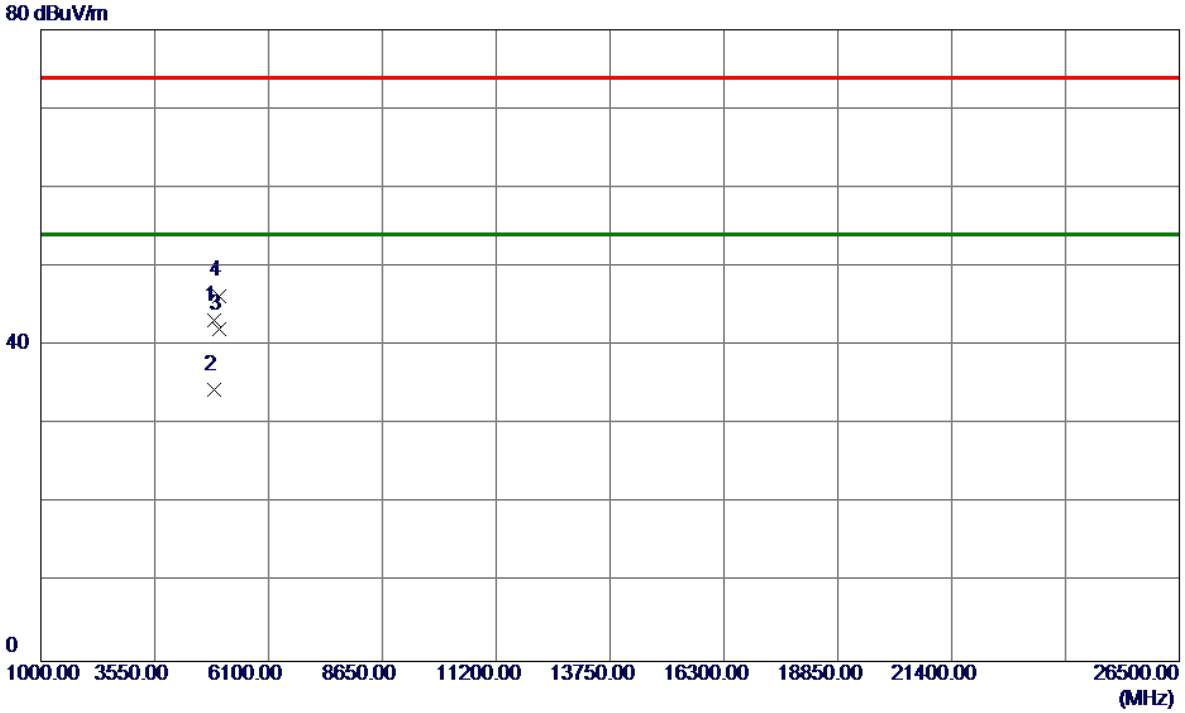
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.2000	76.26	33.24	109.50	74.00	35.50	Peak	No Limit
2 *	2438.4000	72.89	33.24	106.13	54.00	52.13	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2437MHz

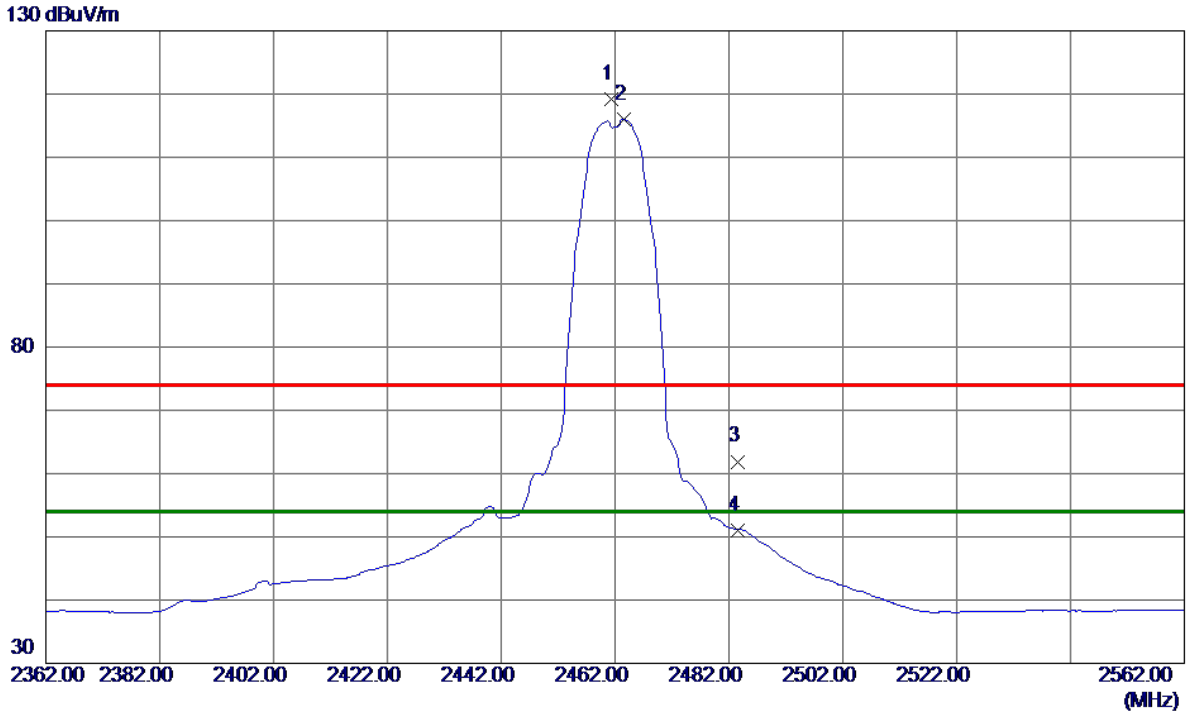
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.9200	36.71	6.44	43.15	74.00	-30.85	Peak	
2	4873.9900	27.96	6.44	34.40	54.00	-19.60	AVG	
3 *	4999.9700	35.37	6.76	42.13	54.00	-11.87	AVG	
4	5000.0299	39.56	6.76	46.32	74.00	-27.68	Peak	

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2462MHz

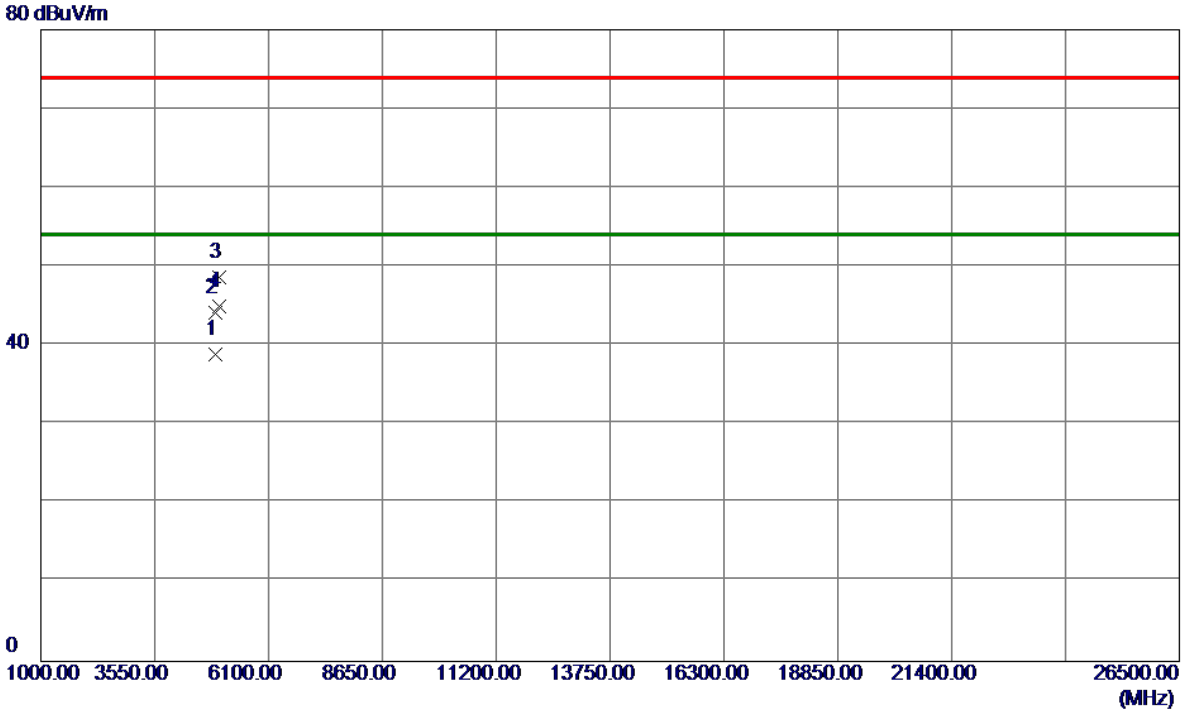
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.3000	85.91	33.32	119.23	74.00	45.23	Peak	No Limit
2 *	2463.5000	82.77	33.33	116.10	54.00	62.10	AVG	No Limit
3	2483.5000	28.49	33.41	61.90	74.00	-12.10	Peak	
4	2483.5000	17.54	33.41	50.95	54.00	-3.05	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2462MHz

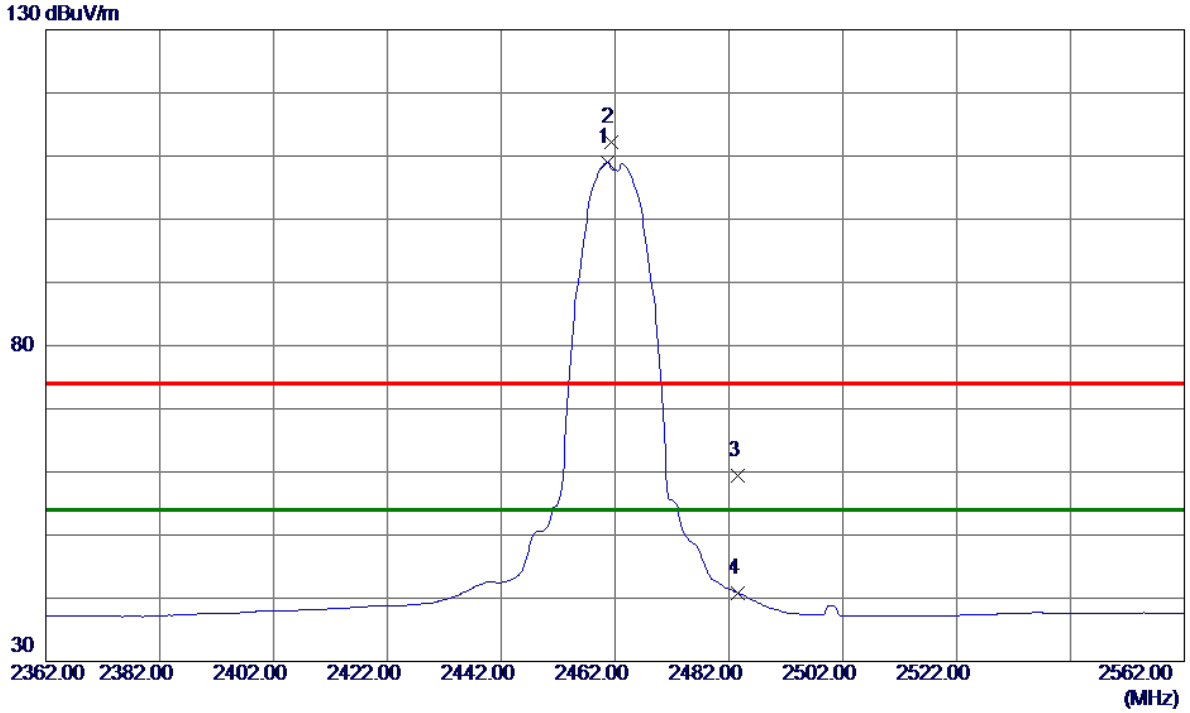
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.0099	32.26	6.57	38.83	54.00	-15.17	AVG	
2	4924.0700	37.64	6.57	44.21	74.00	-29.79	Peak	
3	4999.9500	41.91	6.76	48.67	74.00	-25.33	Peak	
4 *	4999.9700	38.25	6.76	45.01	54.00	-8.99	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2462MHz

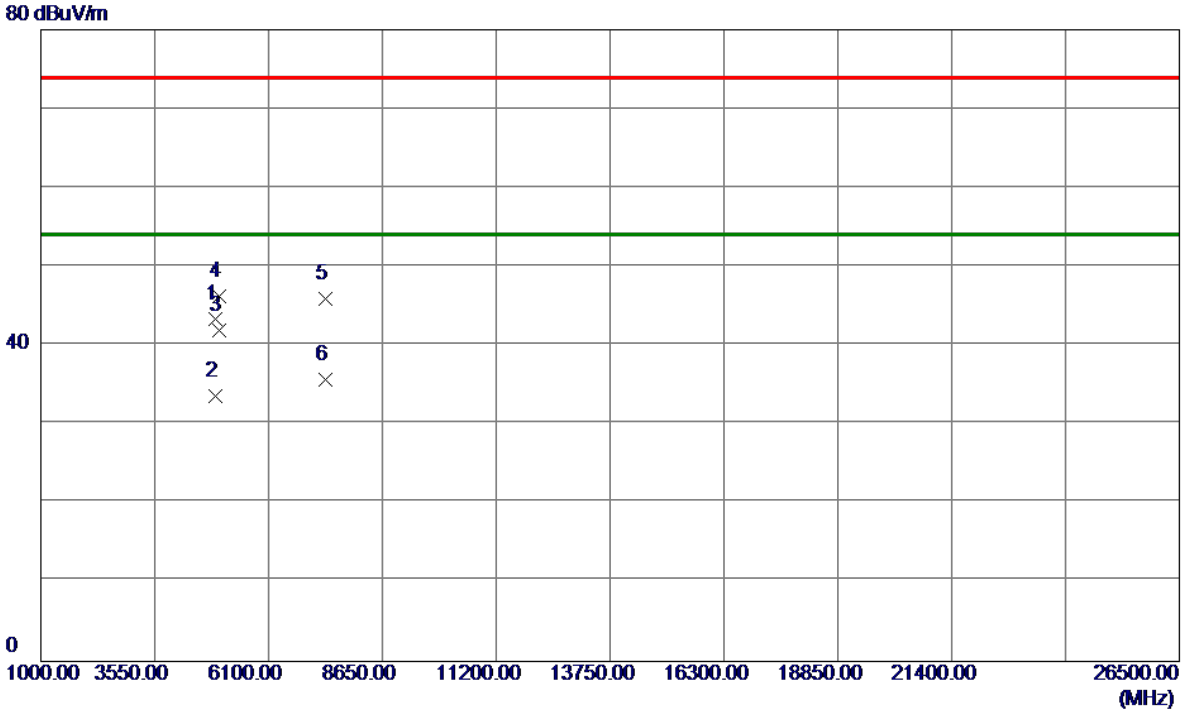
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2460.6000	75.77	33.32	109.09	54.00	55.09	AVG	No Limit
2	2461.4000	78.94	33.32	112.26	74.00	38.26	Peak	No Limit
3	2483.5000	25.90	33.41	59.31	74.00	-14.69	Peak	
4	2483.5000	7.42	33.41	40.83	54.00	-13.17	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20MHZ 2462MHz

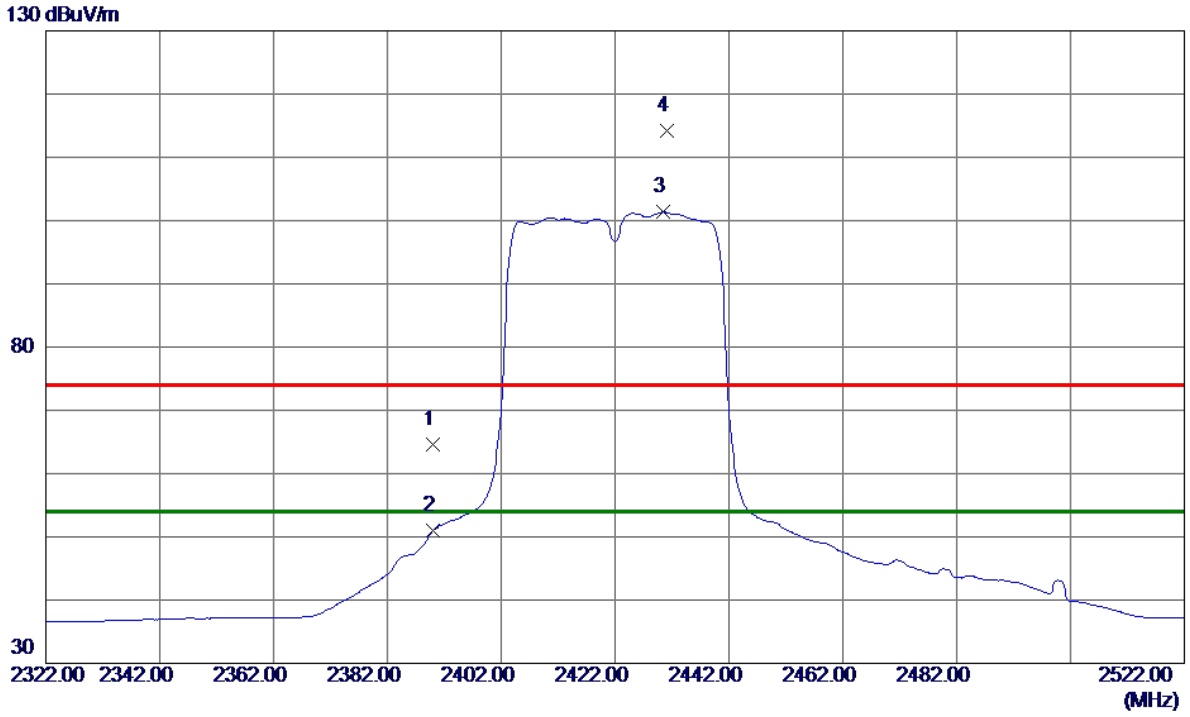
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.7300	36.83	6.57	43.40	74.00	-30.60	Peak	
2	4923.9900	27.08	6.57	33.65	54.00	-20.35	AVG	
3 *	4999.9700	35.21	6.76	41.97	54.00	-12.03	AVG	
4	4999.9800	39.48	6.76	46.24	74.00	-27.76	Peak	
5	7385.8900	32.48	13.50	45.98	74.00	-28.02	Peak	
6	7386.0000	22.13	13.50	35.63	54.00	-18.37	AVG	

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

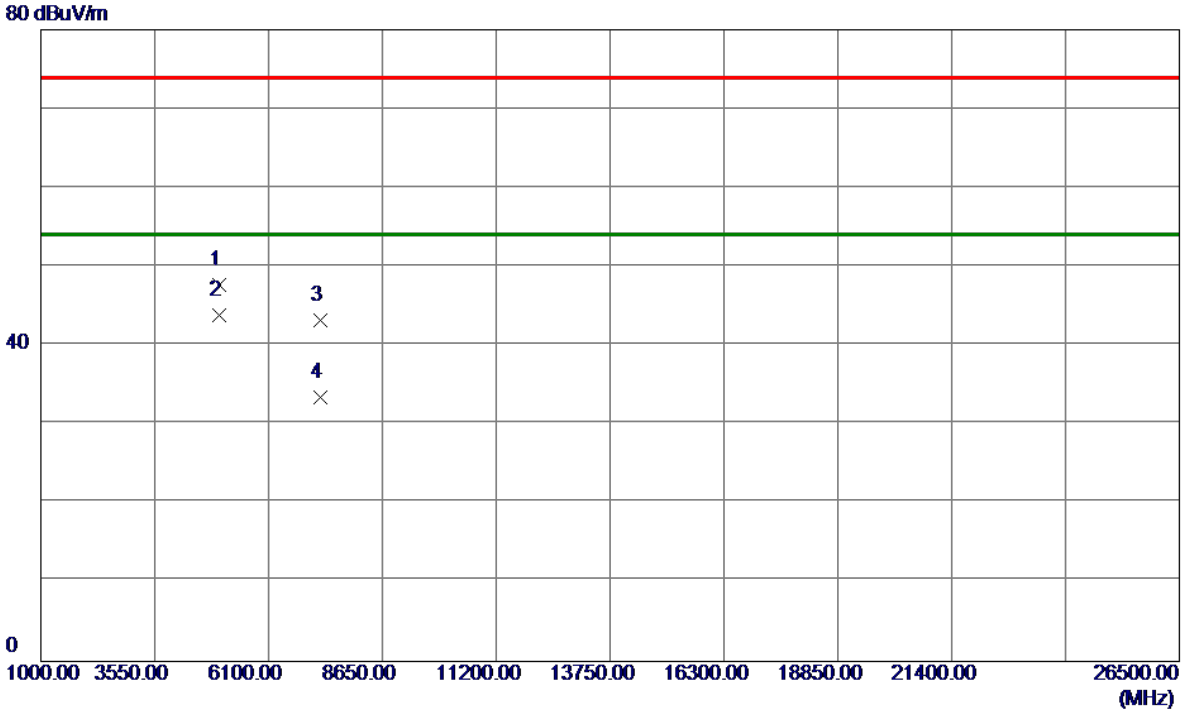
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	31.52	33.06	64.58	74.00	-9.42	Peak	
2	2390.0000	17.93	33.06	50.99	54.00	-3.01	AVG	
3 *	2430.4000	68.15	33.21	101.36	54.00	47.36	AVG	No Limit
4	2431.2000	81.05	33.21	114.26	74.00	40.26	Peak	No Limit

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

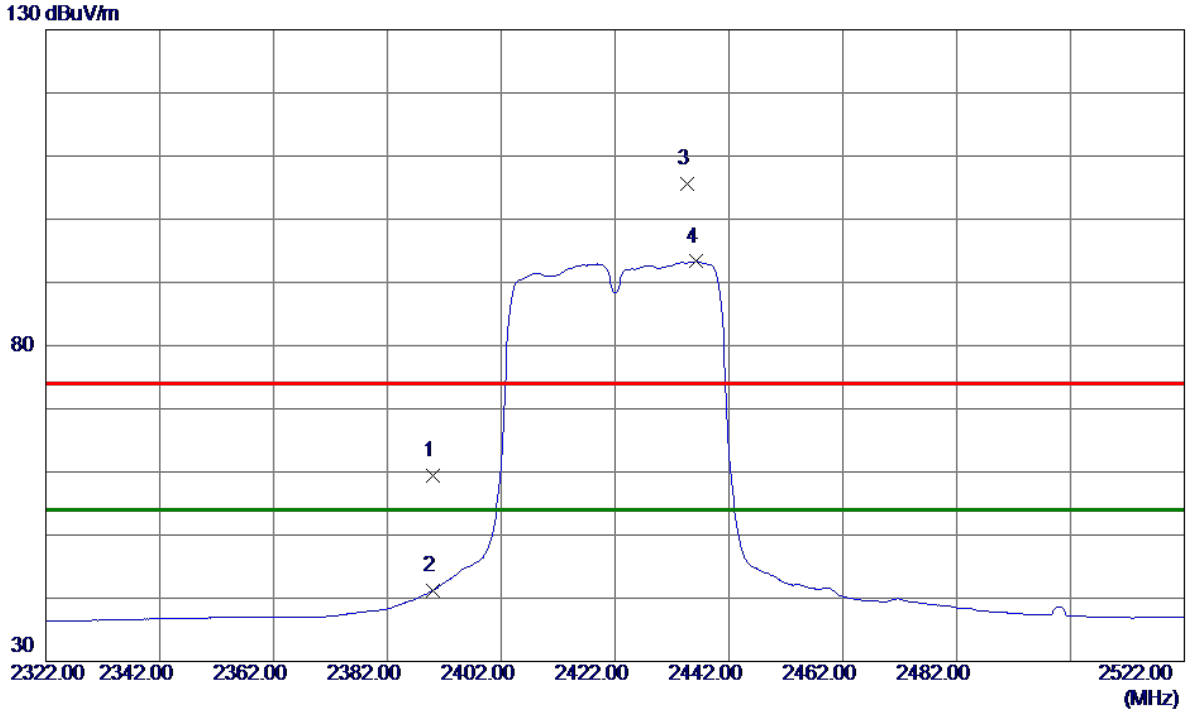
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5000.0099	40.98	6.76	47.74	74.00	-26.26	Peak	
2 *	5000.0099	37.12	6.76	43.88	54.00	-10.12	AVG	
3	7265.5700	29.90	13.30	43.20	74.00	-30.80	Peak	
4	7266.0400	20.11	13.30	33.41	54.00	-20.59	AVG	

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

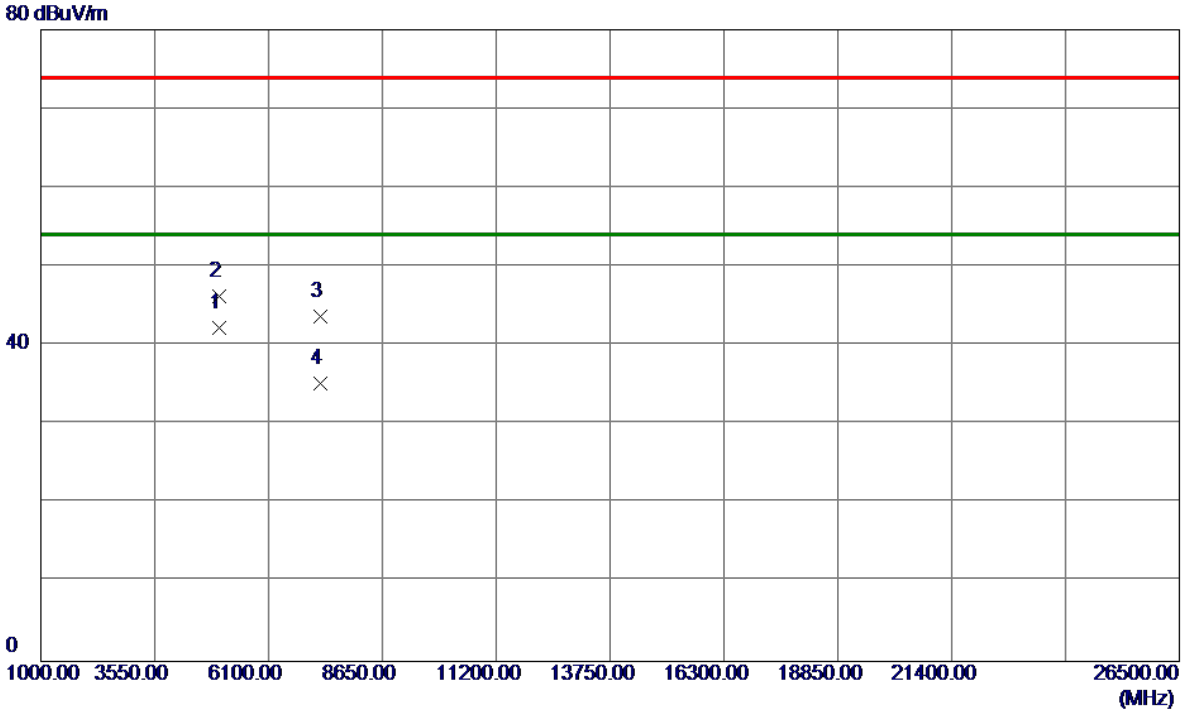
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	26.41	33.06	59.47	74.00	-14.53	Peak	
2	2390.0000	8.16	33.06	41.22	54.00	-12.78	AVG	
3	2434.6000	72.36	33.22	105.58	74.00	31.58	Peak	No Limit
4 *	2436.3000	60.07	33.23	93.30	54.00	39.30	AVG	No Limit

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

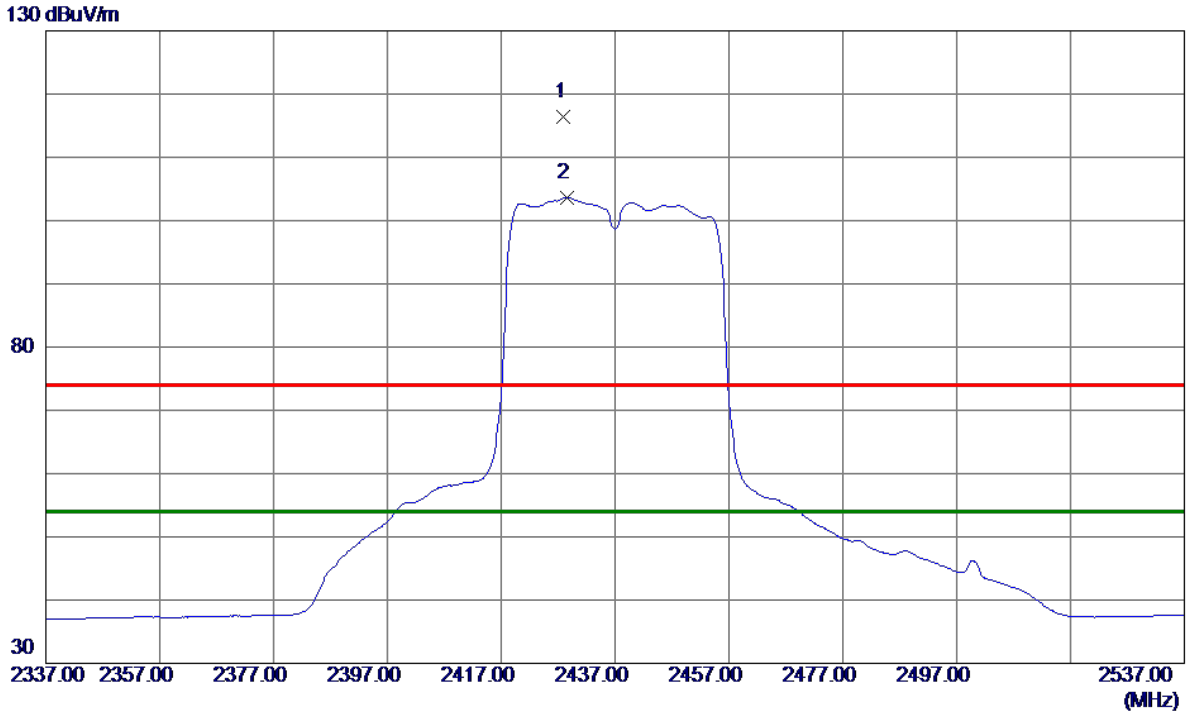
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4999.9600	35.49	6.76	42.25	54.00	-11.75	AVG	
2	4999.9800	39.54	6.76	46.30	74.00	-27.70	Peak	
3	7265.8200	30.43	13.30	43.73	74.00	-30.27	Peak	
4	7265.9800	21.96	13.30	35.26	54.00	-18.74	AVG	

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

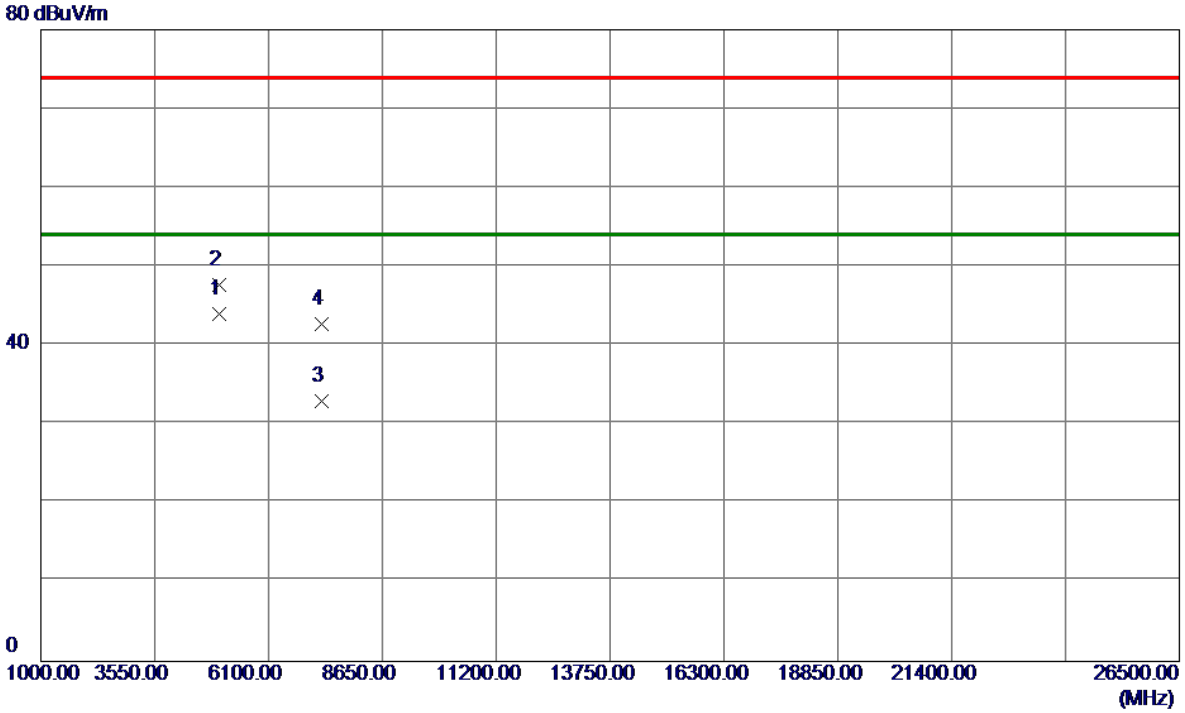
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2428.0000	83.29	33.20	116.49	74.00	42.49	Peak	No Limit
2 *	2428.6000	70.44	33.20	103.64	54.00	49.64	AVG	No Limit

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

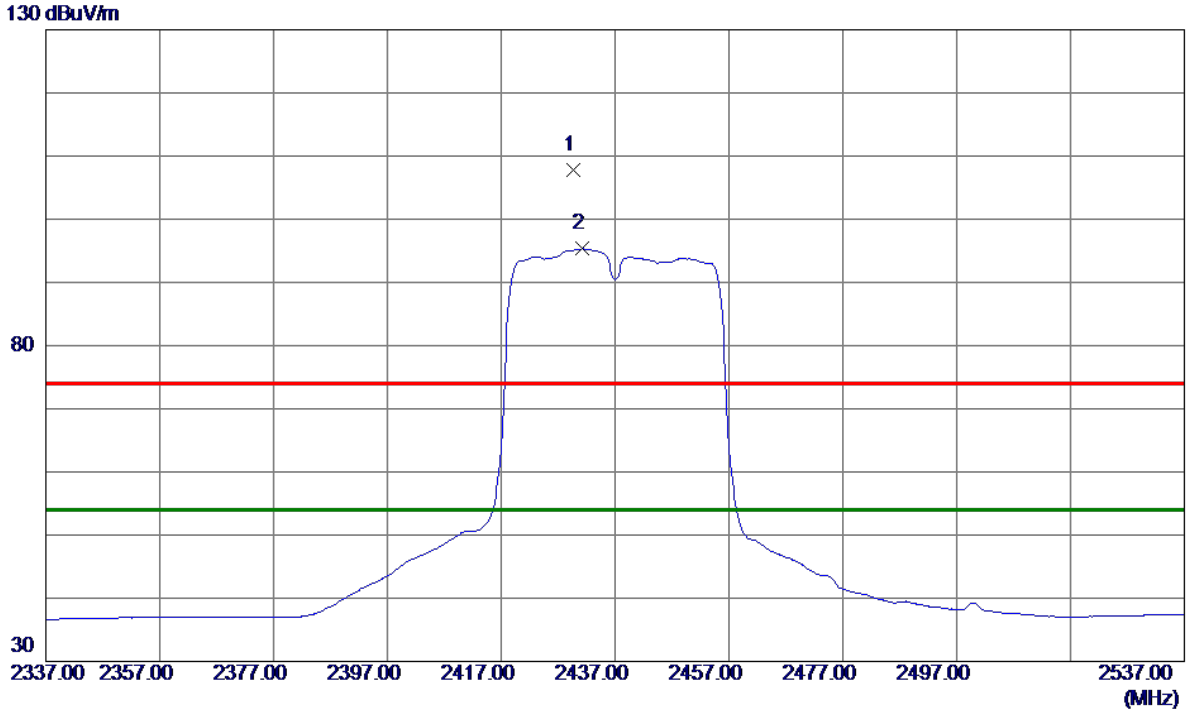
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5000.0299	37.21	6.76	43.97	54.00	-10.03	AVG	
2	5000.0800	40.88	6.76	47.64	74.00	-26.36	Peak	
3	7295.9900	19.66	13.35	33.01	54.00	-20.99	AVG	
4	7296.0100	29.30	13.35	42.65	74.00	-31.35	Peak	

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

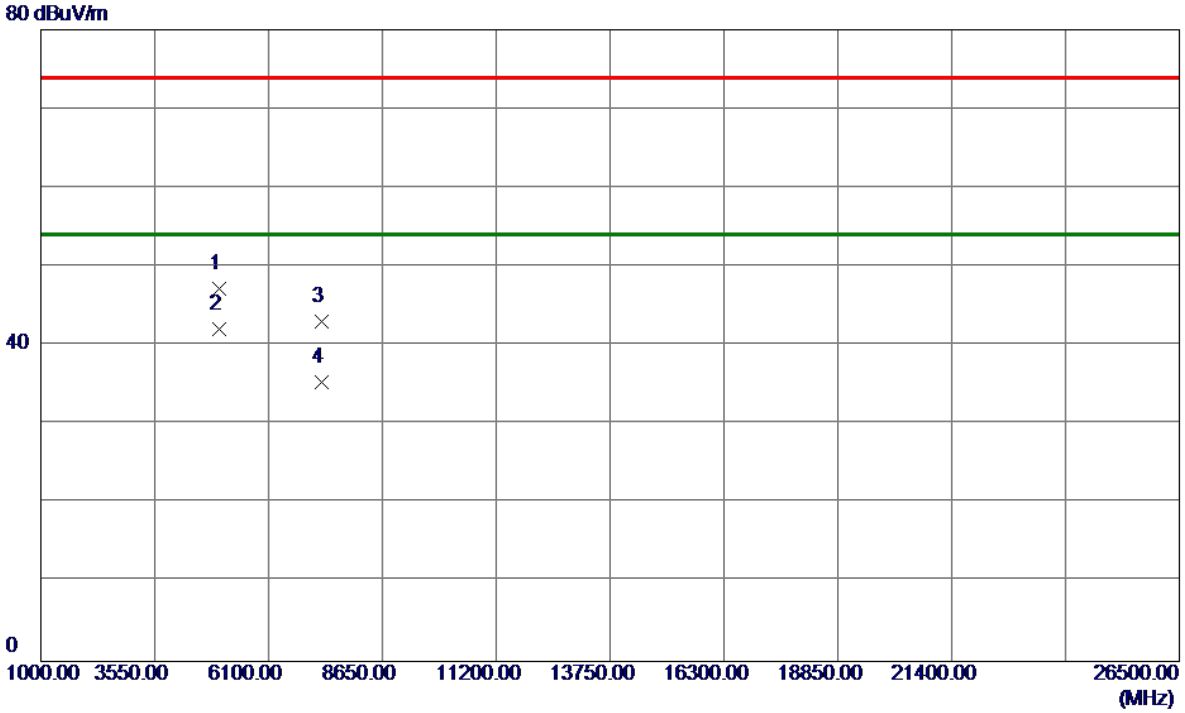
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2429.6000	74.55	33.21	107.76	74.00	33.76	Peak	No Limit
2 *	2431.3000	62.10	33.21	95.31	54.00	41.31	AVG	No Limit

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

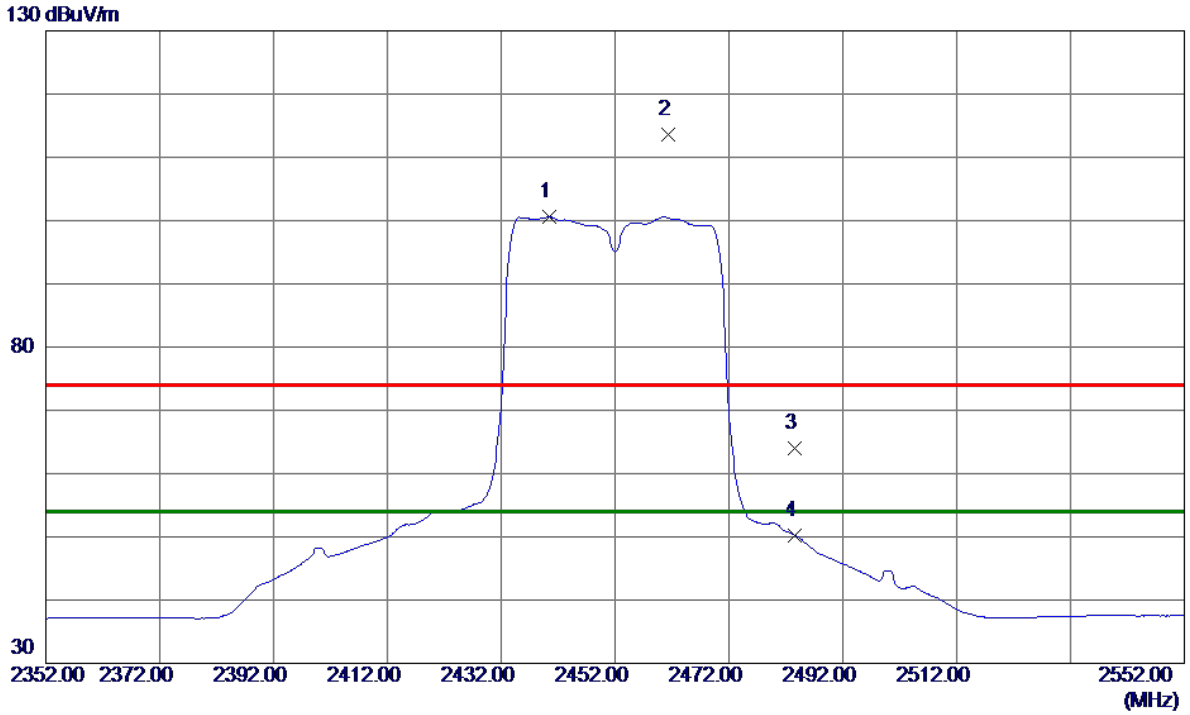
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.9400	40.48	6.76	47.24	74.00	-26.76	Peak	
2 *	4999.9400	35.35	6.76	42.11	54.00	-11.89	AVG	
3	7295.9700	29.76	13.35	43.11	74.00	-30.89	Peak	
4	7295.9700	22.05	13.35	35.40	54.00	-18.60	AVG	

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

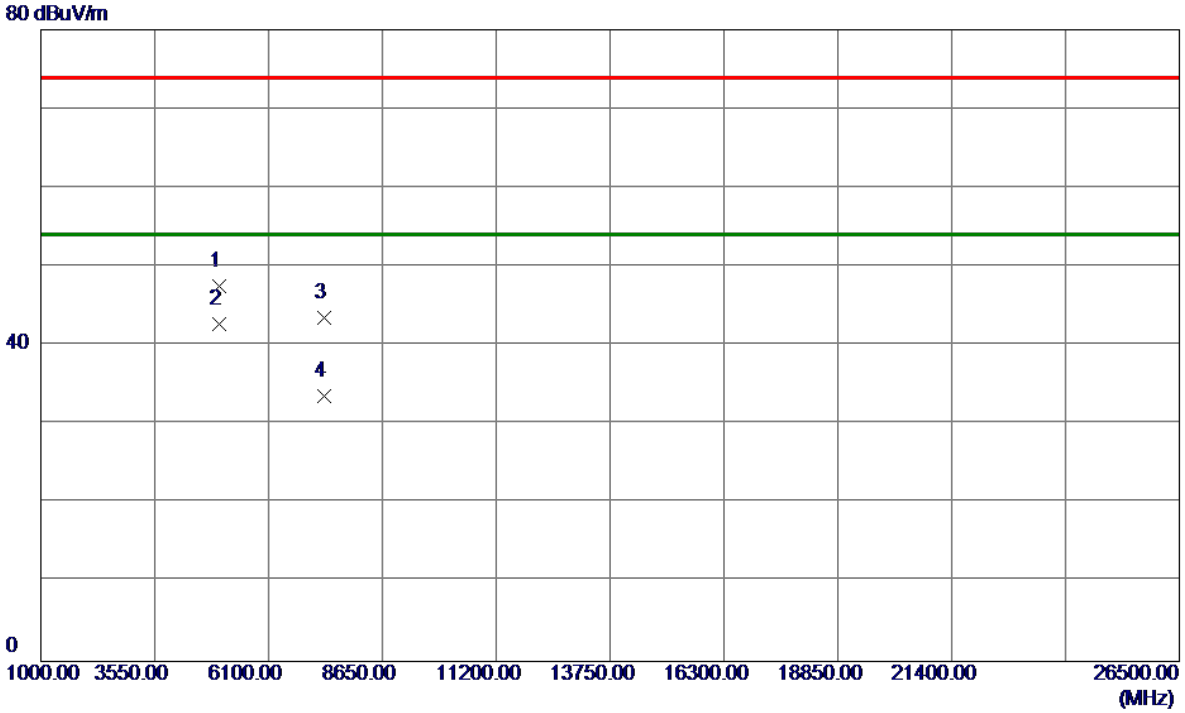
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2440.4000	67.33	33.25	100.58	54.00	46.58	AVG	No Limit
2	2461.3000	80.27	33.32	113.59	74.00	39.59	Peak	No Limit
3	2483.5000	30.54	33.41	63.95	74.00	-10.05	Peak	
4	2483.5000	16.81	33.41	50.22	54.00	-3.78	AVG	

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

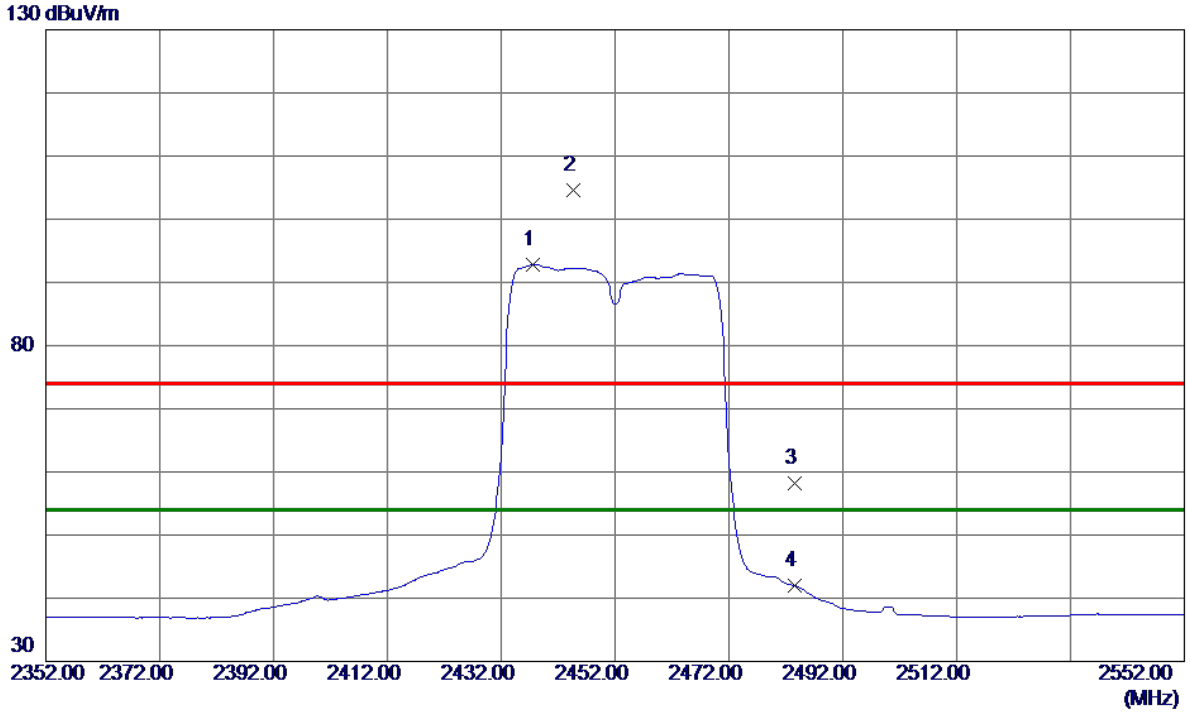
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.8700	40.82	6.76	47.58	74.00	-26.42	Peak	
2 *	4999.9700	36.02	6.76	42.78	54.00	-11.22	AVG	
3	7355.9600	30.07	13.45	43.52	74.00	-30.48	Peak	
4	7356.0200	20.19	13.45	33.64	54.00	-20.36	AVG	

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

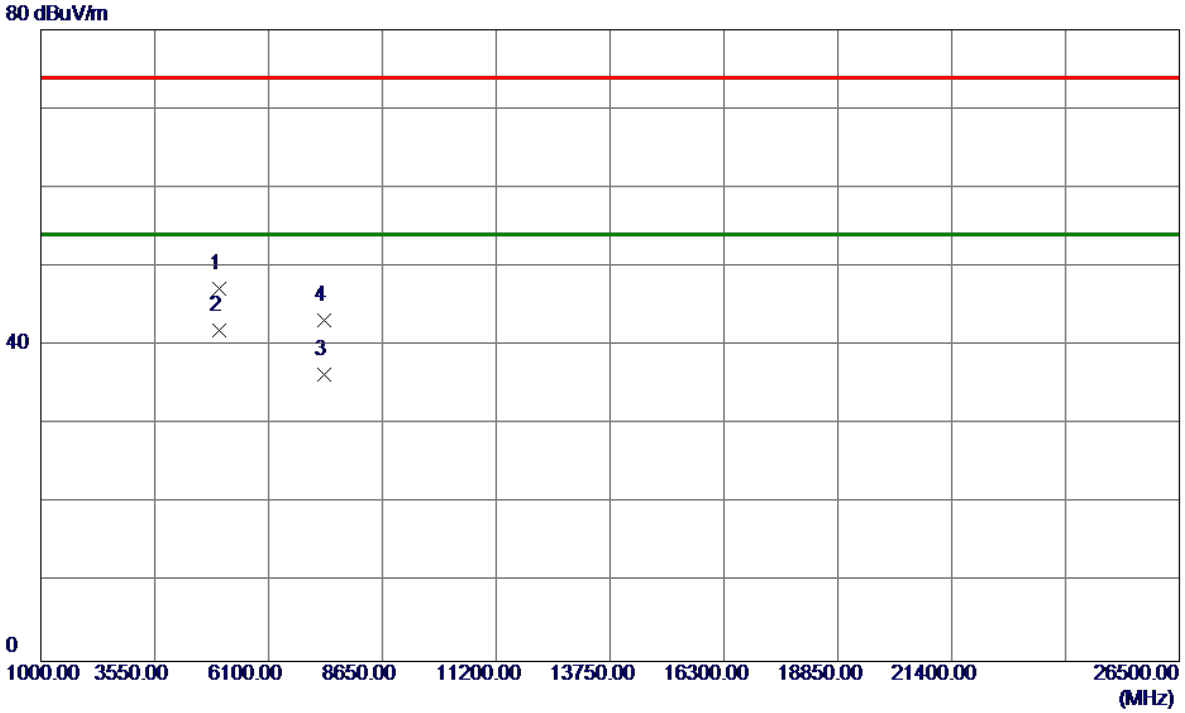
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2437.6000	59.55	33.24	92.79	54.00	38.79	AVG	No Limit
2	2444.6000	71.38	33.26	104.64	74.00	30.64	Peak	No Limit
3	2483.5000	24.71	33.41	58.12	74.00	-15.88	Peak	
4	2483.5000	8.52	33.41	41.93	54.00	-12.07	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4999.9500	40.40	6.76	47.16	74.00	-26.84	Peak	
2 *	4999.9600	35.17	6.76	41.93	54.00	-12.07	AVG	
3	7355.9900	22.86	13.45	36.31	54.00	-17.69	AVG	
4	7356.3100	29.81	13.45	43.26	74.00	-30.74	Peak	

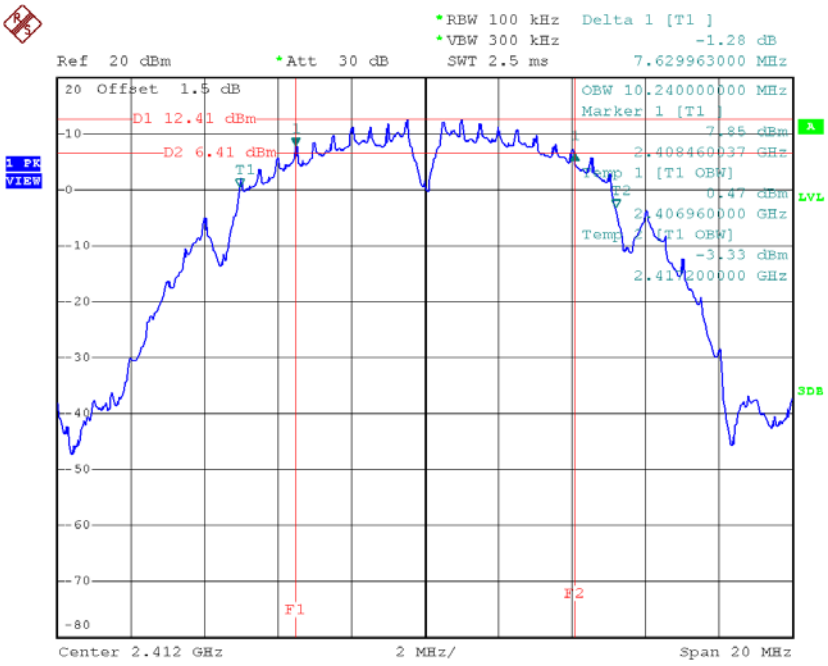
APPENDIX E - BANDWIDTH

Non-Beamforming

Test Mode : TX B Mode_CH01/06/11

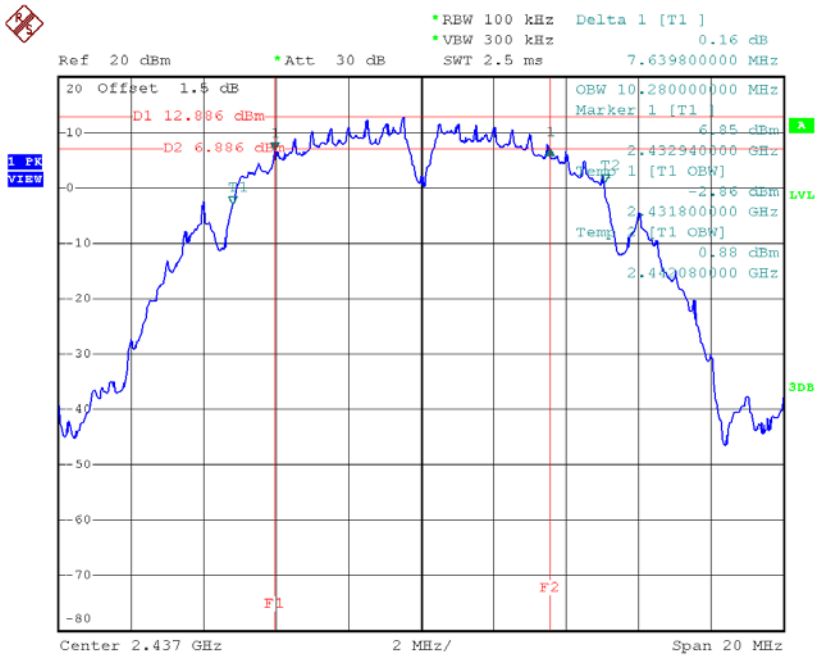
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	7.63	10.24	500	Complies
2437	7.64	10.28	500	Complies
2462	7.55	10.12	500	Complies

TX CH01



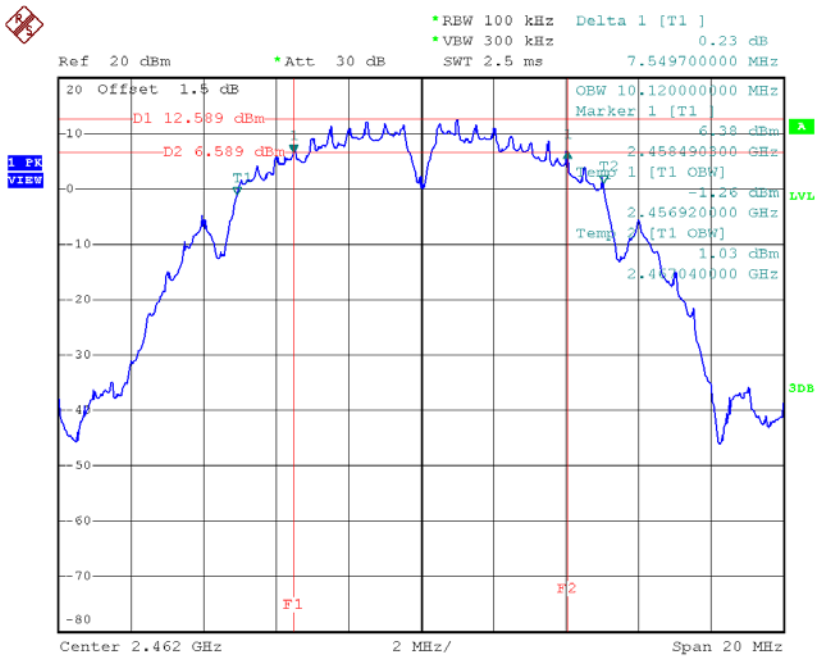
Date: 23.NOV.2017 15:04:25

TX CH06



Date: 23.NOV.2017 15:24:23

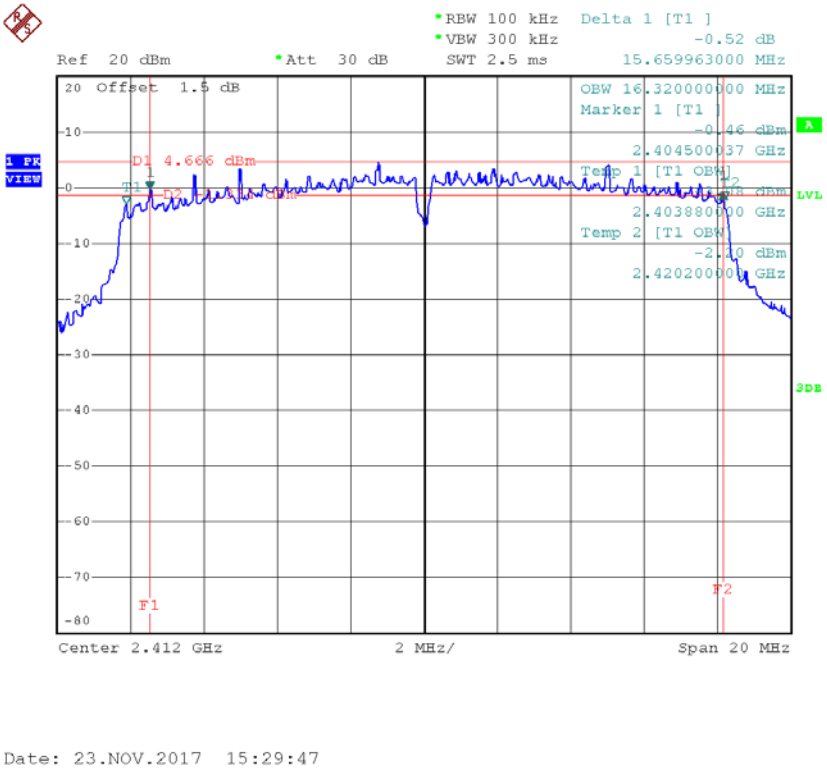
TX CH11



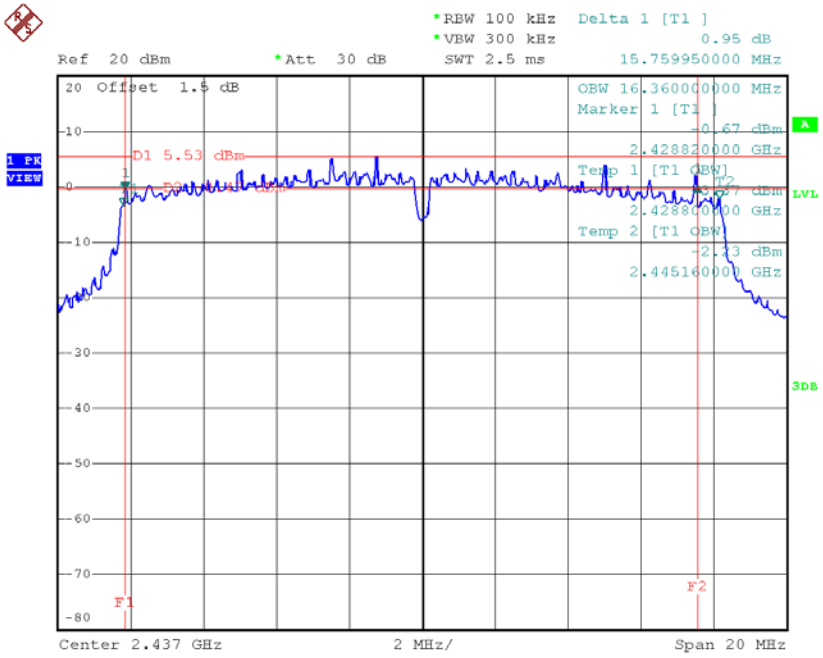
Date: 23.NOV.2017 15:27:45

Test Mode: TX G Mode_CH01/06/11				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.66	16.32	500	Complies
2437	15.76	16.36	500	Complies
2462	13.92	16.32	500	Complies

TX CH01

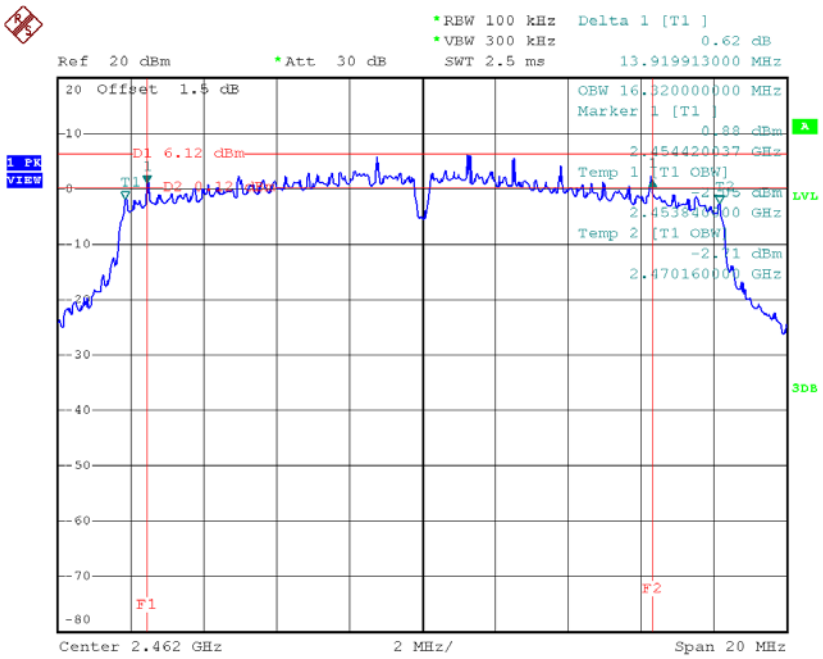


TX CH06



Date: 23.NOV.2017 15:31:30

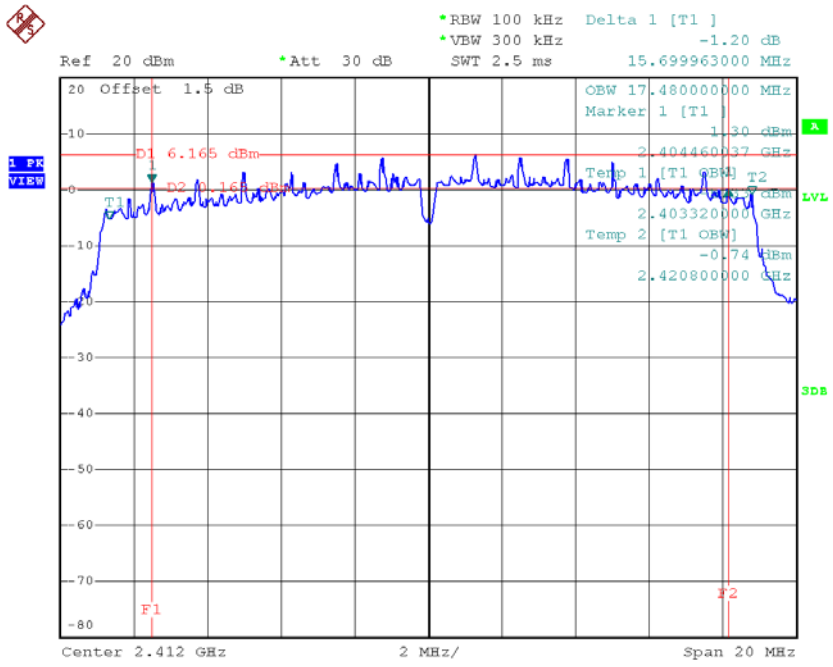
TX CH11



Date: 23.NOV.2017 15:34:04

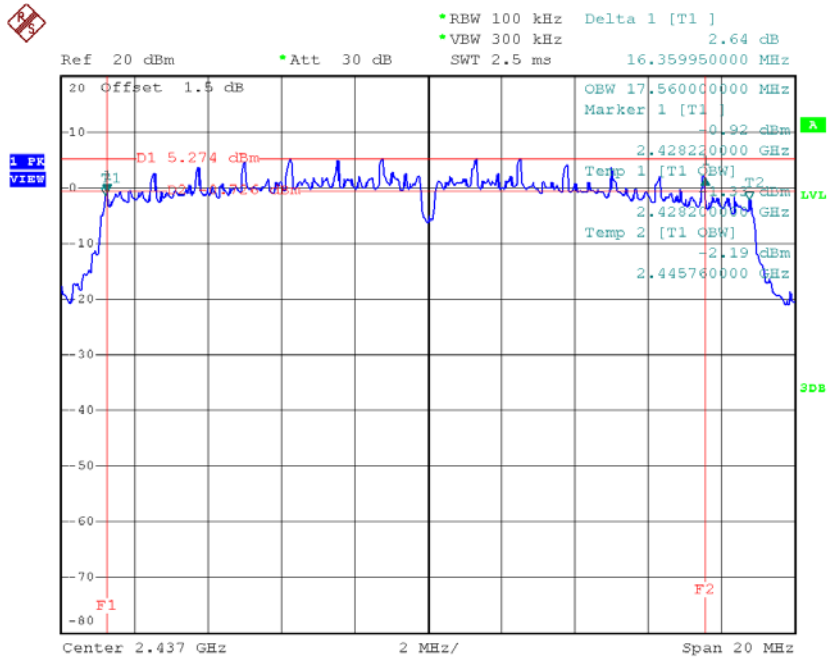
Test Mode : TX N-20MHz Mode_CH01/06/11				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.7	17.48	500	Complies
2437	16.36	17.56	500	Complies
2462	13.86	17.44	500	Complies

TX CH01



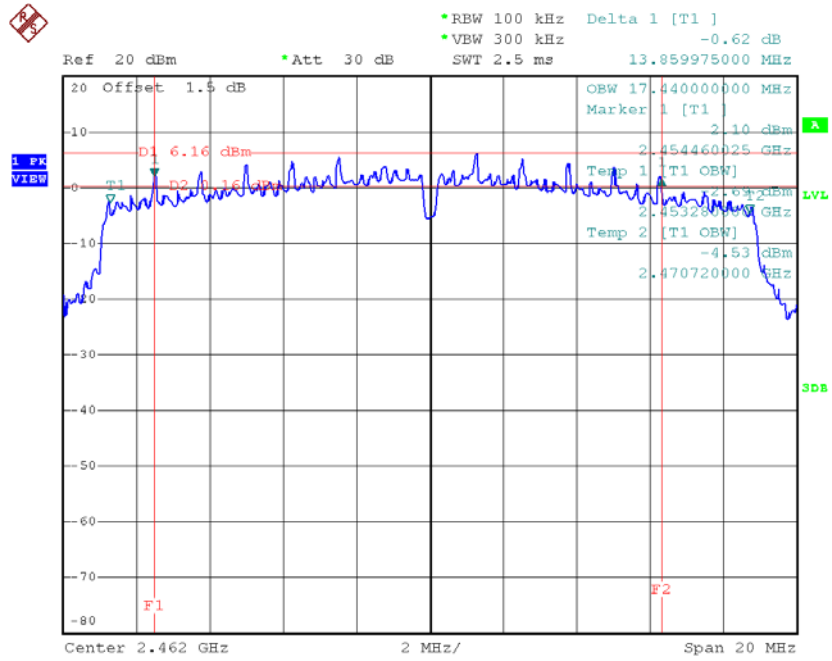
Date: 23.NOV.2017 15:37:09

TX CH06



Date: 23.NOV.2017 15:41:29

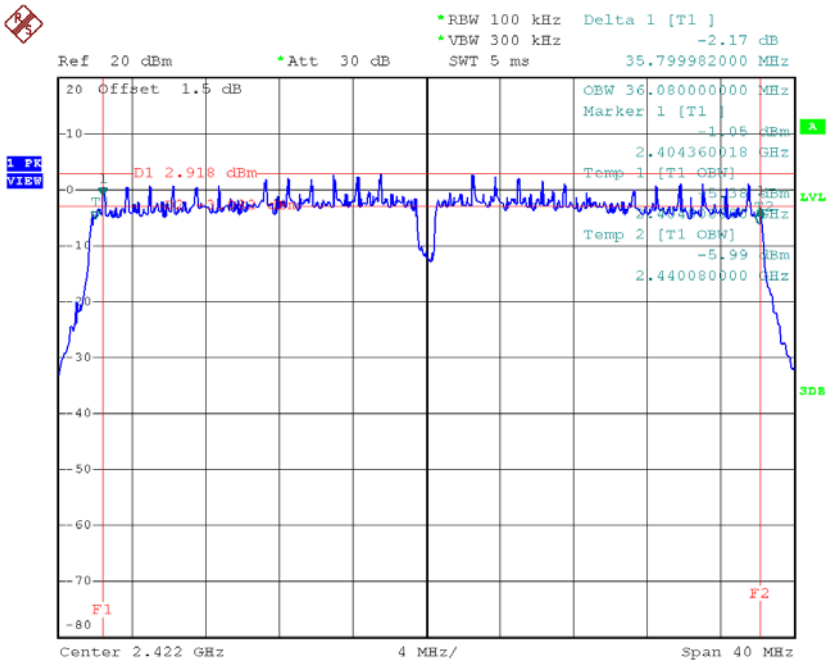
TX CH11



Date: 23.NOV.2017 15:43:33

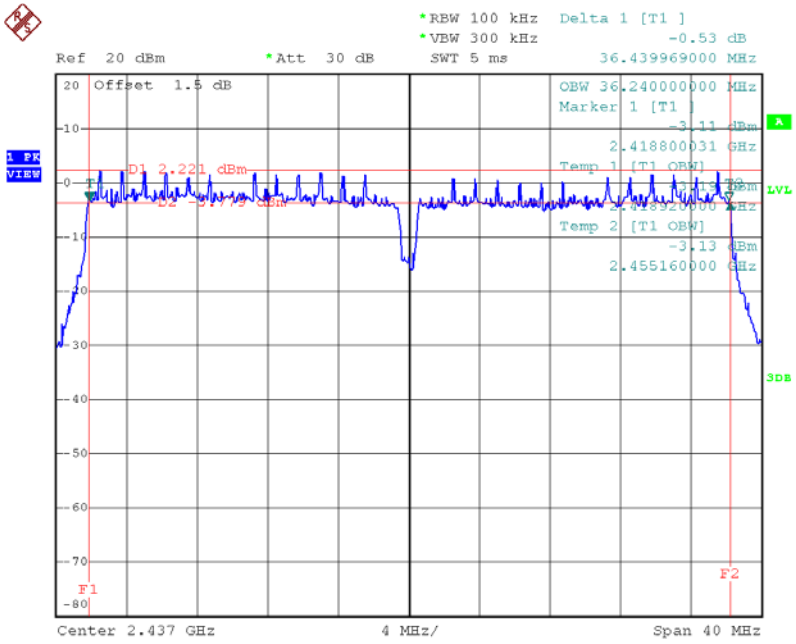
Test Mode : TX N-40MHz Mode_CH03/06/09				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.8	36.08	500	Complies
2437	36.44	36.24	500	Complies
2452	36.44	36.24	500	Complies

TX CH03



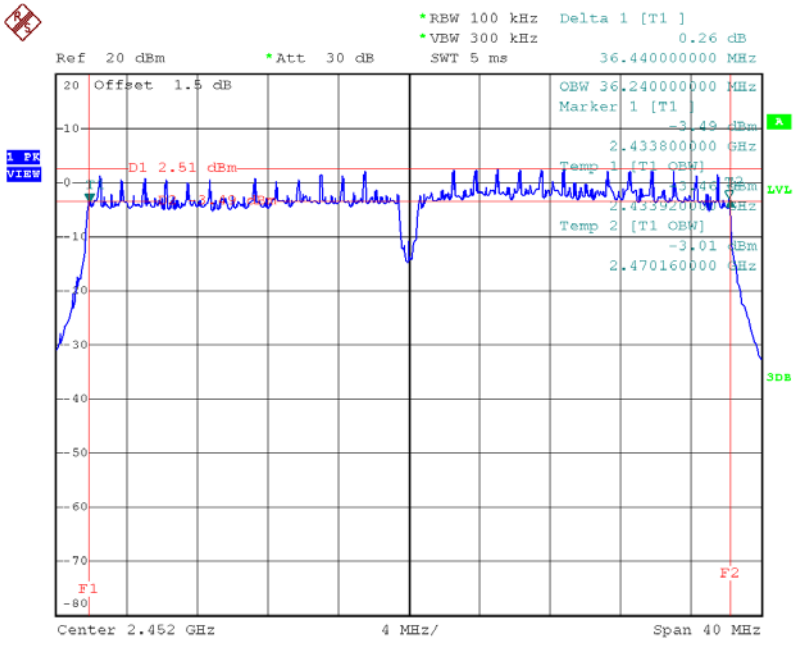
Date: 23.NOV.2017 15:45:09

TX CH06



Date: 23.NOV.2017 15:46:52

TX CH09

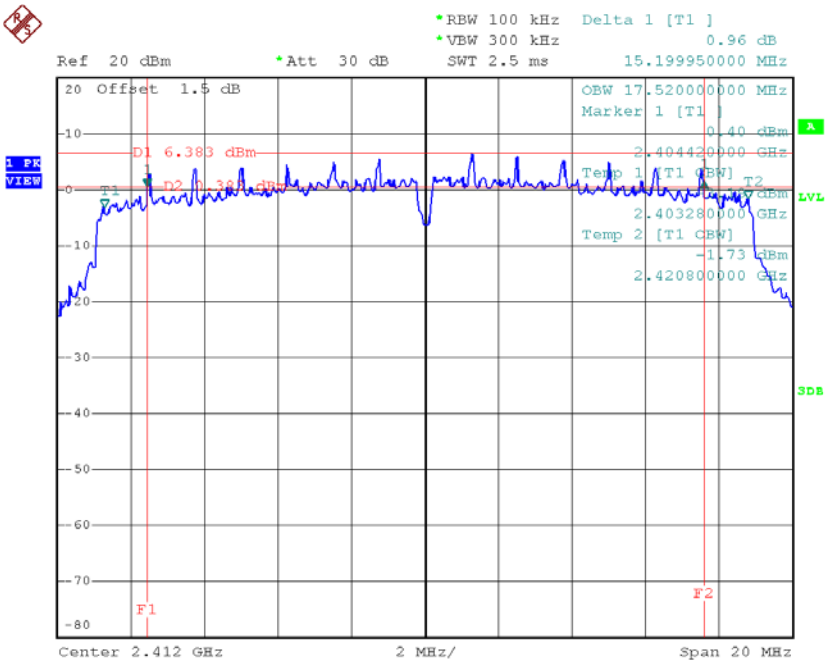


Date: 23.NOV.2017 15:48:37

Test Mode : TX AC20 Mode_CH01/06/11

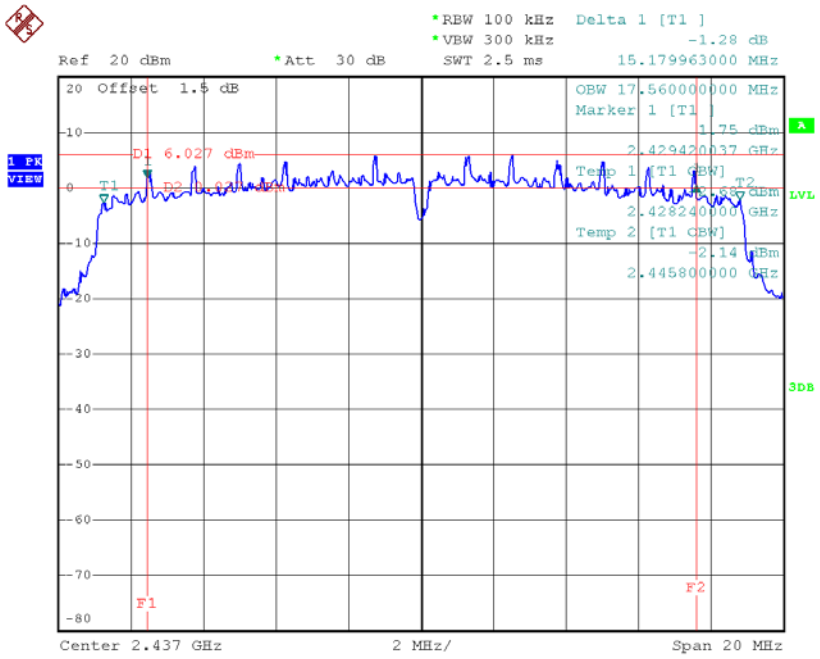
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.20	17.52	500	Complies
2437	15.18	17.56	500	Complies
2462	15.14	17.52	500	Complies

TX CH01



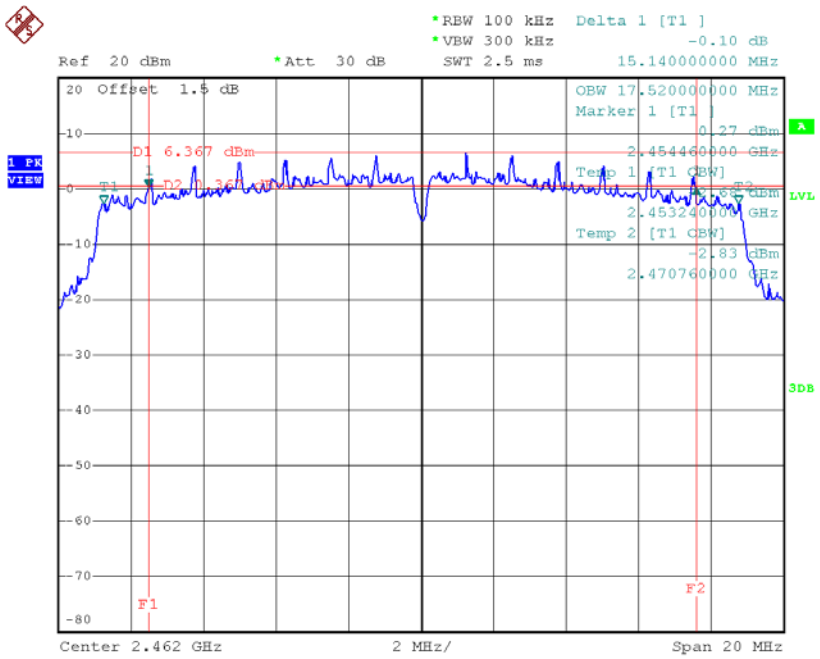
Date: 24.NOV.2017 11:18:03

TX CH06



Date: 24.NOV.2017 11:20:48

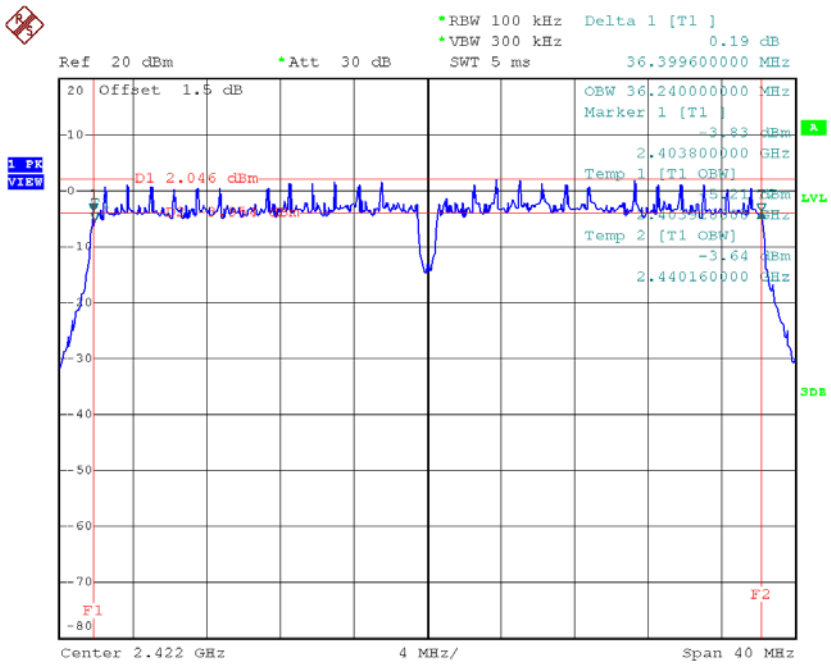
TX CH11



Date: 24.NOV.2017 11:22:32

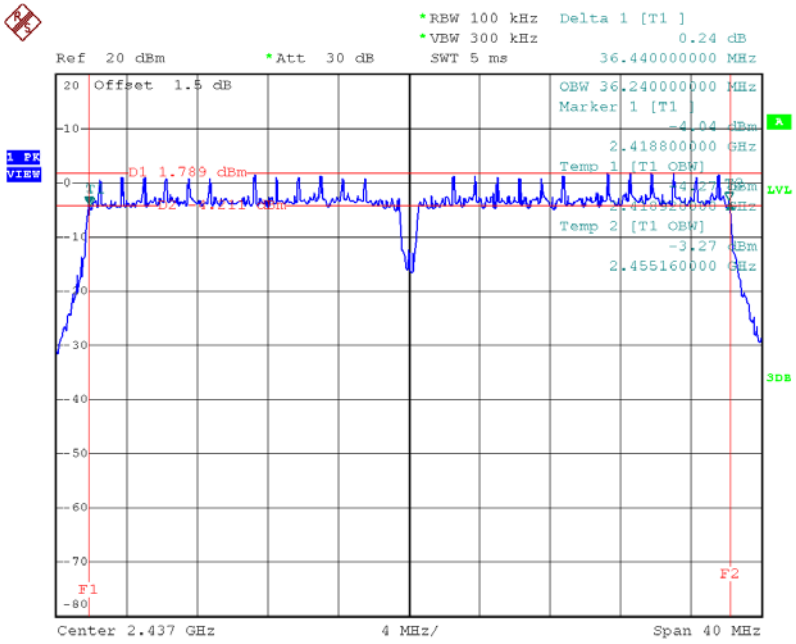
Test Mode : TX AC-40MHz Mode_CH03/06/09				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.40	36.24	500	Complies
2437	36.44	36.24	500	Complies
2452	35.92	36.16	500	Complies

TX CH03



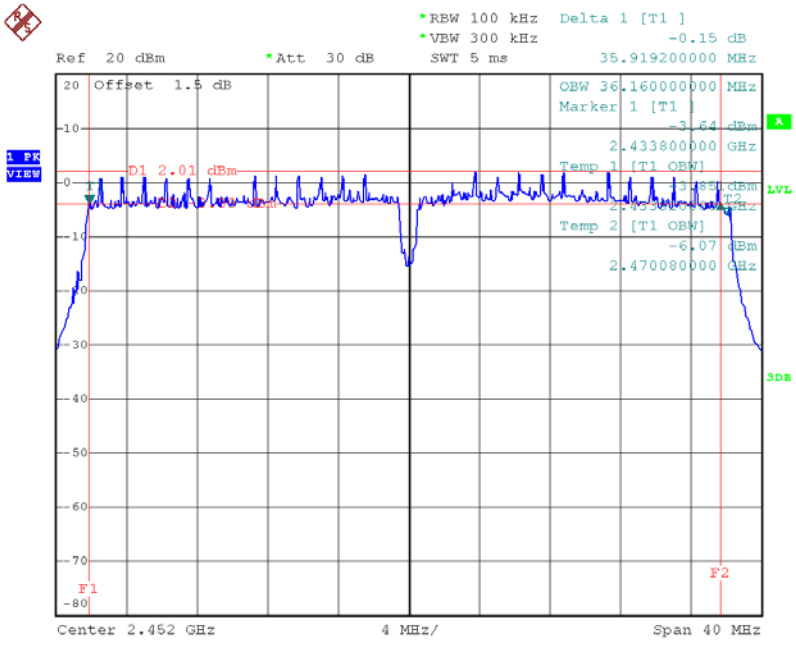
Date: 24.NOV.2017 11:51:05

TX CH06



Date: 24.NOV.2017 11:55:05

TX CH09

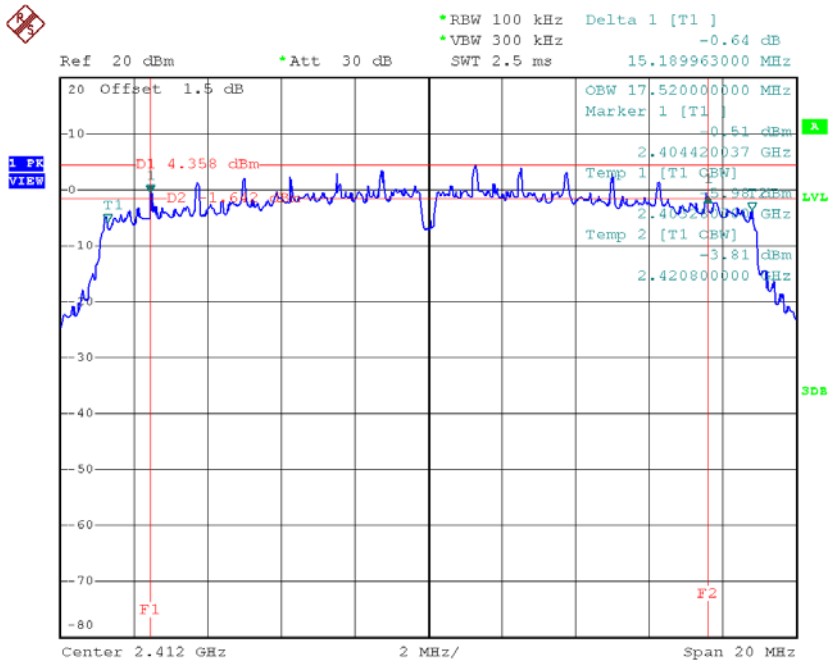


Date: 24.NOV.2017 11:57:18

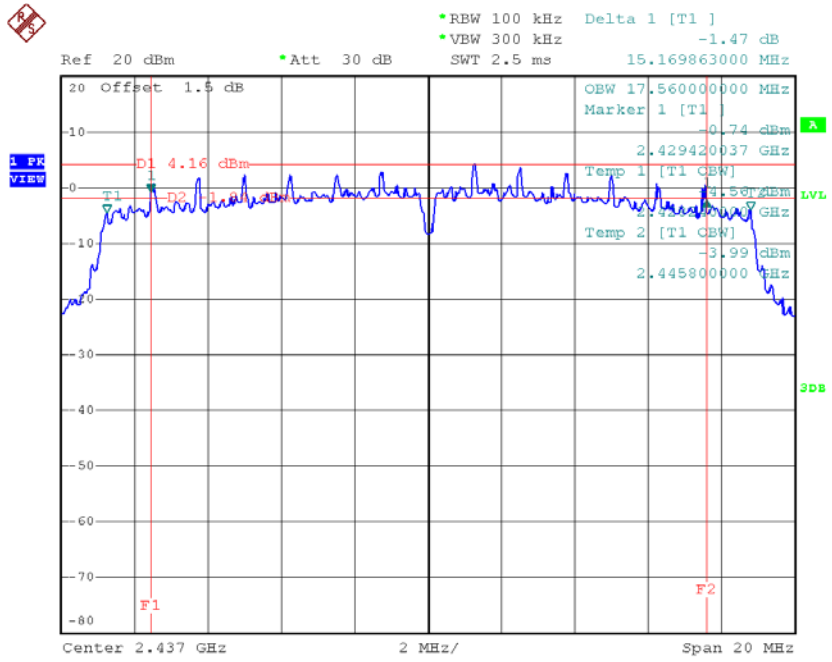
Beamforming

Test Mode : TX N-20MHz Mode_CH01/06/11				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.19	17.52	500	Complies
2437	15.17	17.56	500	Complies
2462	15.14	17.48	500	Complies

TX CH01

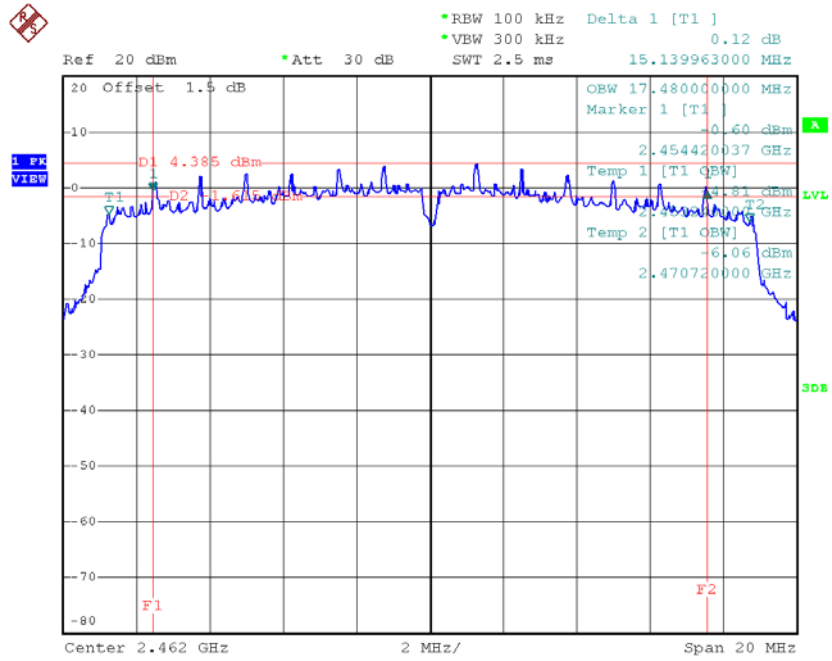


TX CH06



Date: 24.NOV.2017 14:31:49

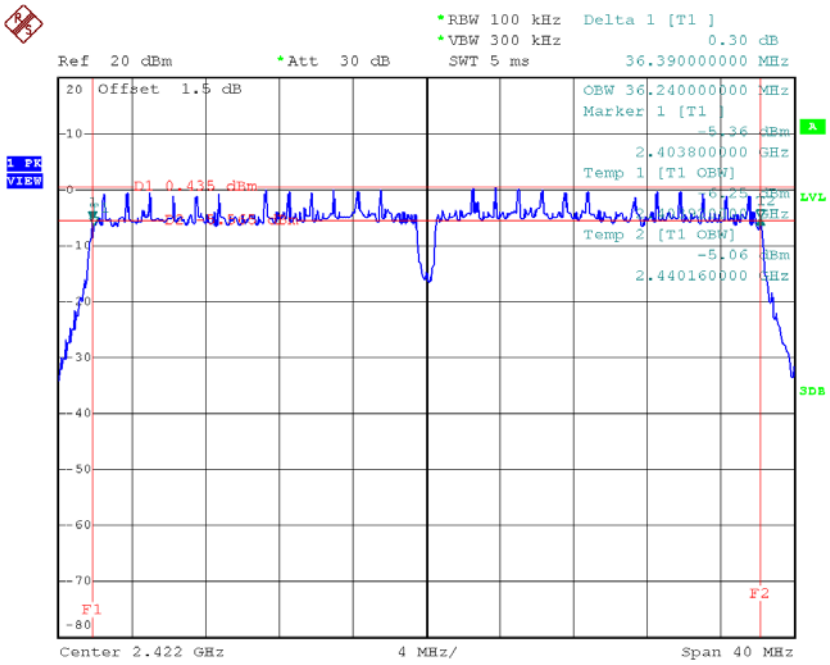
TX CH11



Date: 24.NOV.2017 14:34:39

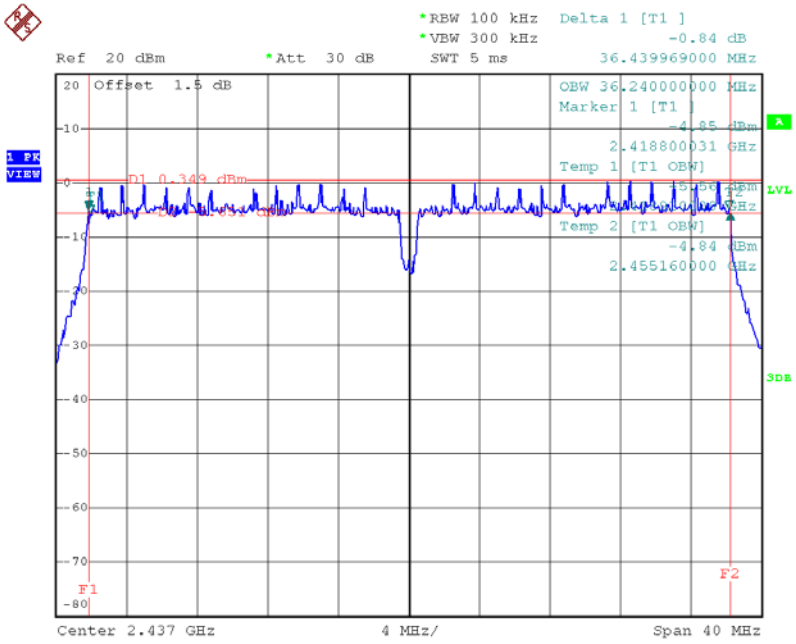
Test Mode : TX N-40MHz Mode_CH03/06/09				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.39	36.24	500	Complies
2437	36.44	36.24	500	Complies
2452	36.15	36.16	500	Complies

TX CH03



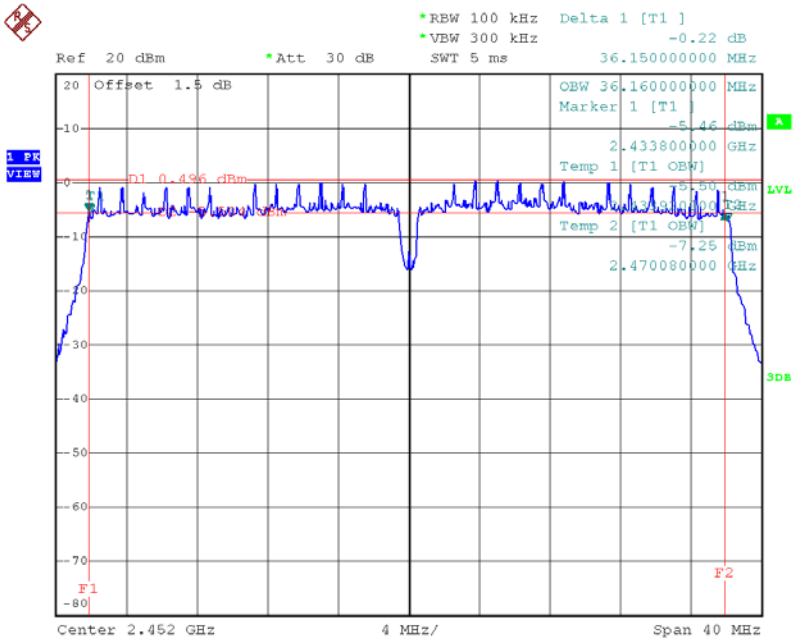
Date: 24.NOV.2017 14:59:21

TX CH06



Date: 24.NOV.2017 15:01:30

TX CH09

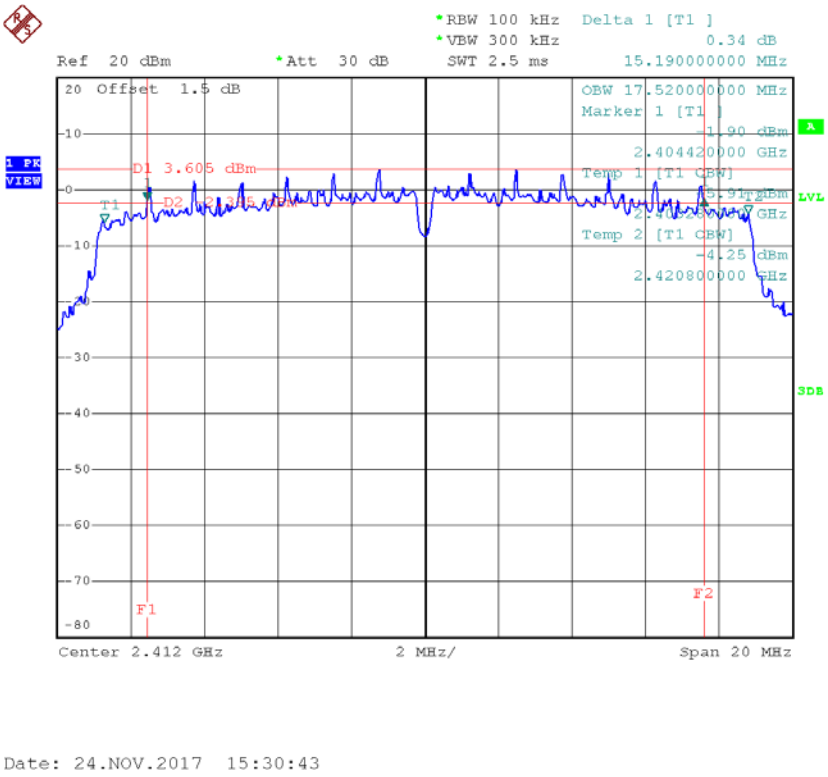


Date: 24.NOV.2017 15:03:36

Test Mode : TX AC20 Mode_CH01/06/11

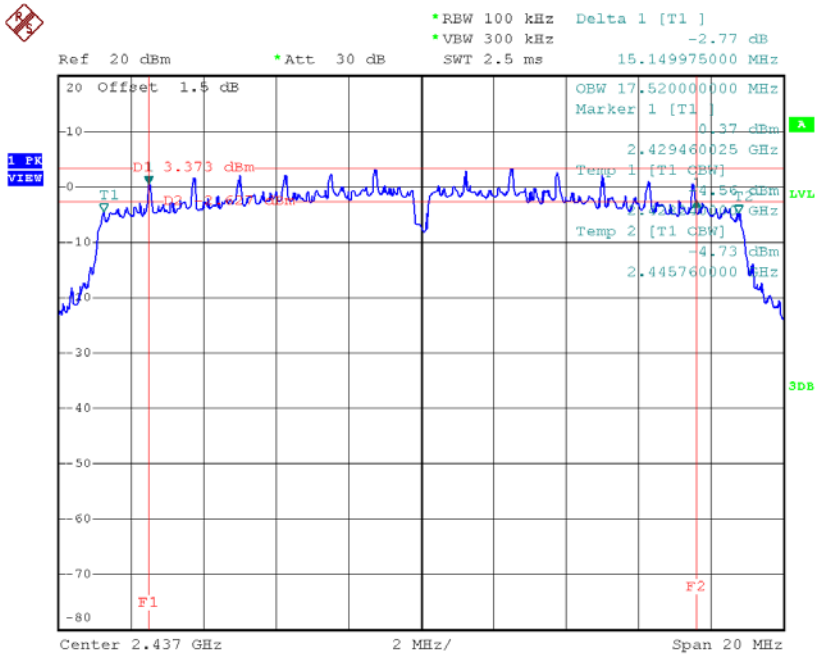
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.19	17.52	500	Complies
2437	15.15	17.52	500	Complies
2462	15.14	17.48	500	Complies

TX CH01



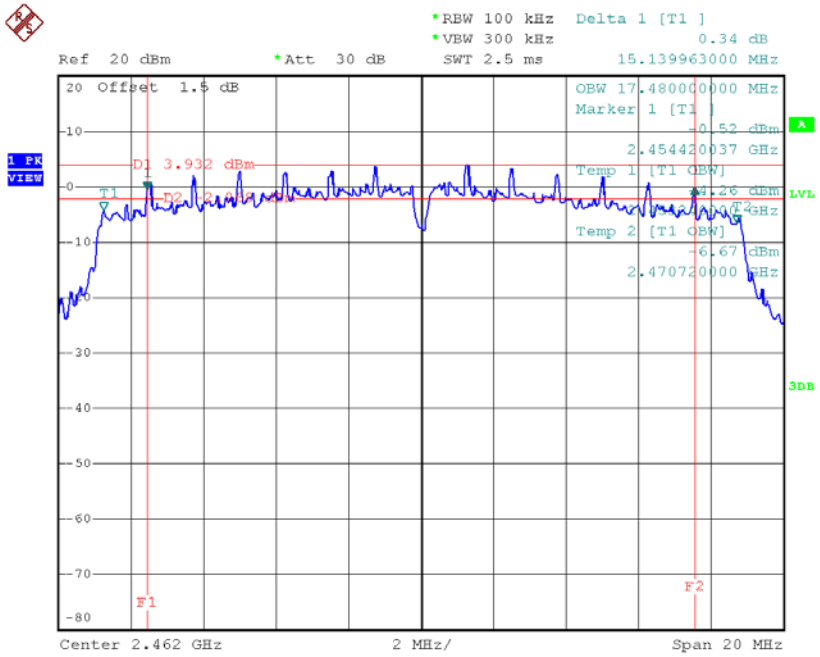
Date: 24.NOV.2017 15:30:43

TX CH06



Date: 24.NOV.2017 15:32:46

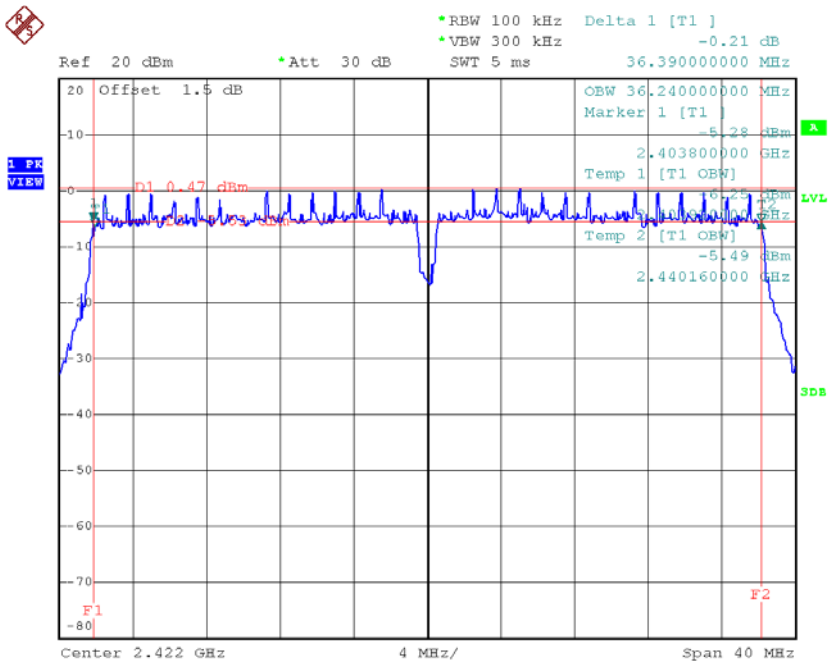
TX CH11



Date: 24.NOV.2017 15:34:45

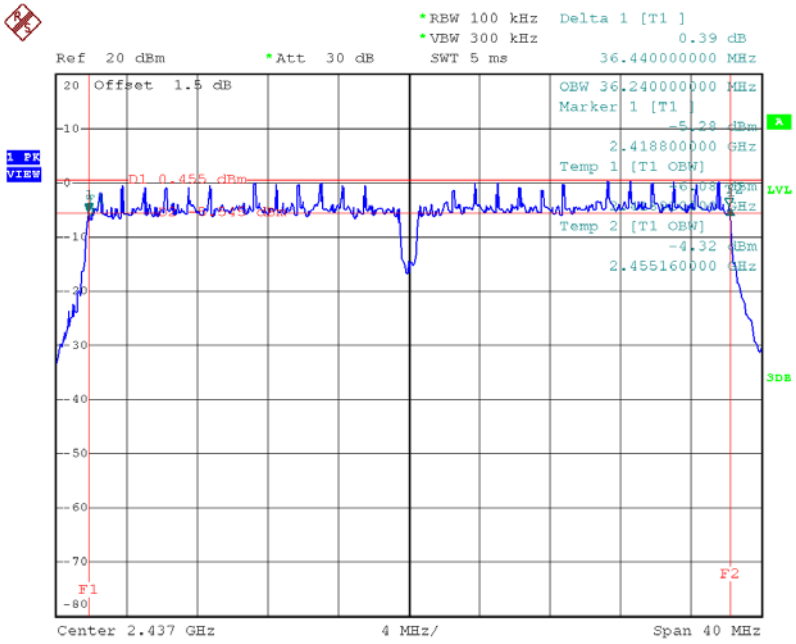
Test Mode : TX AC-40MHz Mode_CH03/06/09				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.39	36.24	500	Complies
2437	36.44	36.24	500	Complies
2452	36.12	36.16	500	Complies

TX CH03



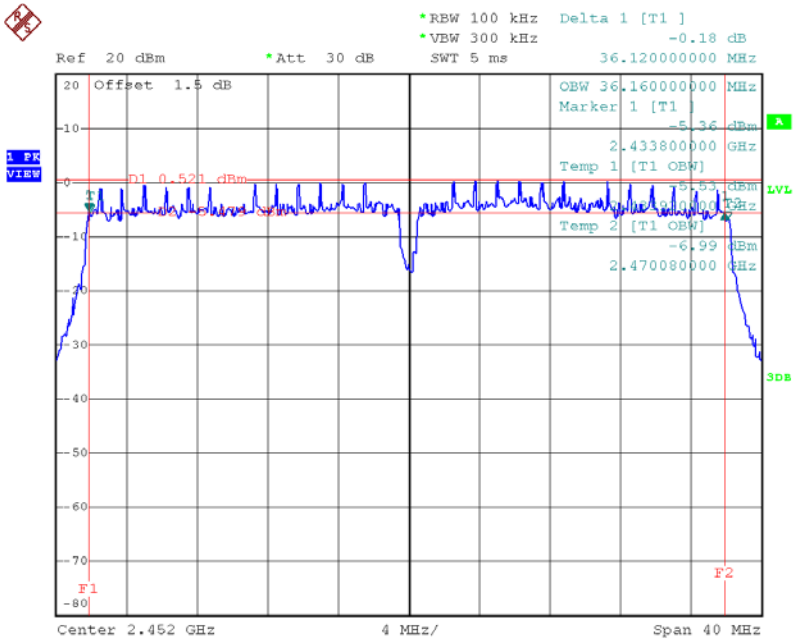
Date: 24.NOV.2017 15:59:49

TX CH06



Date: 24.NOV.2017 16:01:46

TX CH09



Date: 24.NOV.2017 16:03:18

APPENDIX F - MAXIMUM PEAK CONDUCTED OUTPUT POWER

Non-Beamforming

Test Mode :TX B Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.45	0.22	30.00	1.00	Complies
2437	23.41	0.22	30.00	1.00	Complies
2462	23.43	0.22	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.21	0.21	30.00	1.00	Complies
2437	23.24	0.21	30.00	1.00	Complies
2462	23.14	0.21	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.54	0.23	30.00	1.00	Complies
2437	23.50	0.22	30.00	1.00	Complies
2462	23.37	0.22	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.74	0.24	30.00	1.00	Complies
2437	23.71	0.23	30.00	1.00	Complies
2462	23.83	0.24	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	29.51	0.89	30.00	1.00	Complies
2437	29.49	0.89	30.00	1.00	Complies
2462	29.47	0.89	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.12	0.21	30.00	1.00	Complies
2437	23.16	0.21	30.00	1.00	Complies
2462	23.05	0.20	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.98	0.20	30.00	1.00	Complies
2437	23.11	0.20	30.00	1.00	Complies
2462	22.80	0.19	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.57	0.23	30.00	1.00	Complies
2437	23.51	0.22	30.00	1.00	Complies
2462	23.32	0.21	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.72	0.24	30.00	1.00	Complies
2437	23.55	0.23	30.00	1.00	Complies
2462	23.43	0.22	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	29.38	0.87	30.00	1.00	Complies
2437	29.36	0.86	30.00	1.00	Complies
2462	29.18	0.83	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.91	0.20	30.00	1.00	Complies
2437	23.12	0.21	30.00	1.00	Complies
2462	23.12	0.21	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.98	0.20	30.00	1.00	Complies
2437	22.89	0.19	30.00	1.00	Complies
2462	23.01	0.20	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.35	0.22	30.00	1.00	Complies
2437	23.48	0.22	30.00	1.00	Complies
2462	23.41	0.22	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.64	0.23	30.00	1.00	Complies
2437	23.42	0.22	30.00	1.00	Complies
2462	23.42	0.22	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	29.25	0.84	30.00	1.00	Complies
2437	29.25	0.84	30.00	1.00	Complies
2462	29.26	0.84	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.22	0.21	30.00	1.00	Complies
2437	23.12	0.21	30.00	1.00	Complies
2452	23.12	0.21	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	22.97	0.20	30.00	1.00	Complies
2437	23.16	0.21	30.00	1.00	Complies
2452	22.78	0.19	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 3					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.34	0.22	30.00	1.00	Complies
2437	23.52	0.22	30.00	1.00	Complies
2452	23.34	0.22	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 4					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.72	0.24	30.00	1.00	Complies
2437	23.62	0.23	30.00	1.00	Complies
2452	23.56	0.23	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	29.34	0.86	30.00	1.00	Complies
2437	29.38	0.87	30.00	1.00	Complies
2452	29.23	0.84	30.00	1.00	Complies

Test Mode :TX AC20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.98	0.20	30.00	1.00	Complies
2437	22.98	0.20	30.00	1.00	Complies
2462	23.02	0.20	30.00	1.00	Complies

Test Mode :TX AC20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.03	0.20	30.00	1.00	Complies
2437	22.87	0.19	30.00	1.00	Complies
2462	23.11	0.20	30.00	1.00	Complies

Test Mode :TX AC20 Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.42	0.22	30.00	1.00	Complies
2437	23.23	0.21	30.00	1.00	Complies
2462	23.26	0.21	30.00	1.00	Complies

Test Mode :TX AC20 Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.62	0.23	30.00	1.00	Complies
2437	23.60	0.23	30.00	1.00	Complies
2462	23.62	0.23	30.00	1.00	Complies

Test Mode :TX AC20 Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	29.29	0.85	30.00	1.00	Complies
2437	29.20	0.83	30.00	1.00	Complies
2462	29.28	0.85	30.00	1.00	Complies

Test Mode :TX AC40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.01	0.20	30.00	1.00	Complies
2437	22.89	0.19	30.00	1.00	Complies
2452	23.01	0.20	30.00	1.00	Complies

Test Mode :TX AC40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.05	0.20	30.00	1.00	Complies
2437	23.05	0.20	30.00	1.00	Complies
2452	22.96	0.20	30.00	1.00	Complies

Test Mode :TX AC40 Mode_CH03/06/09_ANT 3					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.52	0.22	30.00	1.00	Complies
2437	23.67	0.23	30.00	1.00	Complies
2452	23.44	0.22	30.00	1.00	Complies

Test Mode :TX AC40 Mode_CH03/06/09_ANT 4					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.93	0.25	30.00	1.00	Complies
2437	23.64	0.23	30.00	1.00	Complies
2452	23.71	0.23	30.00	1.00	Complies

Test Mode :TX AC40 Mode_CH03/06/09_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	29.41	0.87	30.00	1.00	Complies
2437	29.35	0.86	30.00	1.00	Complies
2452	29.31	0.85	30.00	1.00	Complies

Beamforming

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.02	0.08	27.98	0.63	Complies
2437	19.06	0.08	27.98	0.63	Complies
2462	19.32	0.09	27.98	0.63	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.58	0.09	27.98	0.63	Complies
2437	19.63	0.09	27.98	0.63	Complies
2462	19.93	0.10	27.98	0.63	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.04	0.10	27.98	0.63	Complies
2437	19.97	0.10	27.98	0.63	Complies
2462	20.07	0.10	27.98	0.63	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.92	0.12	27.98	0.63	Complies
2437	20.84	0.12	27.98	0.63	Complies
2462	20.96	0.12	27.98	0.63	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	25.97	0.40	27.98	0.63	Complies
2437	25.94	0.39	27.98	0.63	Complies
2462	26.13	0.41	27.98	0.63	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	19.25	0.08	27.98	0.63	Complies
2437	19.36	0.09	27.98	0.63	Complies
2452	19.48	0.09	27.98	0.63	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	19.64	0.09	27.98	0.63	Complies
2437	19.87	0.10	27.98	0.63	Complies
2452	19.62	0.09	27.98	0.63	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 3					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	20.05	0.10	27.98	0.63	Complies
2437	20.17	0.10	27.98	0.63	Complies
2452	19.97	0.10	27.98	0.63	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 4					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	20.91	0.12	27.98	0.63	Complies
2437	20.76	0.12	27.98	0.63	Complies
2452	20.84	0.12	27.98	0.63	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	26.03	0.40	27.98	0.63	Complies
2437	26.09	0.41	27.98	0.63	Complies
2452	26.03	0.40	27.98	0.63	Complies

Test Mode :TX AC20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.17	0.08	27.98	0.63	Complies
2437	19.23	0.08	27.98	0.63	Complies
2462	19.36	0.09	27.98	0.63	Complies

Test Mode :TX AC20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.76	0.09	27.98	0.63	Complies
2437	19.74	0.09	27.98	0.63	Complies
2462	19.93	0.10	27.98	0.63	Complies

Test Mode :TX AC20 Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.01	0.10	27.98	0.63	Complies
2437	20.02	0.10	27.98	0.63	Complies
2462	20.03	0.10	27.98	0.63	Complies

Test Mode :TX AC20 Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.73	0.12	27.98	0.63	Complies
2437	20.91	0.12	27.98	0.63	Complies
2462	21.04	0.13	27.98	0.63	Complies

Test Mode :TX AC20 Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	25.97	0.40	27.98	0.63	Complies
2437	26.04	0.40	27.98	0.63	Complies
2462	26.15	0.41	27.98	0.63	Complies