FCC Radio Test Report

FCC ID: TE7T2UNANO

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

Project No.	:	1808C130
Equipment	:	AC600 Nano Wireless USB Adapter
Test Model	:	Archer T2U Nano
Series Model	:	N/A
Applicant	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China

Date of Receipt	:	Aug. 13, 2018
Date of Test	:	Aug. 29, 2018 ~ Oct. 22, 2018
Issued Date	:	Nov. 09, 2018
Tested by	:	BTL Inc.

Testing Engineer : Welly Zhou
(Welly Zhou)

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Certificate #5123.02

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

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

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

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements in all the possible configurations as representative of its intended use.

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

Report Version	Description	Issued Date
R00	Original Issue.	Nov. 09, 2018

1. CERTIFICATION

Equipment	:	AC600 Nano Wireless USB Adapter
Brand Name	:	tp-link
Test Model	:	Archer T2U Nano
Series Model	:	N/A
Applicant	:	TP-Link Technologies Co., Ltd.
Manufacturer	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Date of Test	:	Aug. 29, 2018 ~ Oct. 22, 2018
Test Sample	:	Engineering Sample No.: D180807269
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-1-1808C130) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the WLAN 2.4GHz part.

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)	6 dB Bandwidth	PASS	
15.247(b)(3)	AVG 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: 854385
BTL's designation number for FCC: CN5020

2.2 MEASUREMENT UNCERTAINTY

The measurement uncertainty figures shall be calculated according the methods described in the ETSI TR 100 028 and shall correspond to an expansion factor (coverage factor) k=1.96 or k=2(which provide confidence levels of respectively 90% and 95.45% in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)). Measurement Uncertainty for a Level of Confidence of 95 %, U=2xUc(y).

The BTL measurement uncertainty as below table:

A. Conducted Measurement:

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

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	3.82
		30 MH~200 MHz	H	3.78
		200 MHz~1,000 MHz	V	4.10
		200 MHz~1,000 MHz	H	4.06
		1 GHz~18 GHz	V	3.12
		1 GHz~18 GHz	H	3.68
		18 GHz~40 GHz	V	4.15
		18 GHz~40 GHz	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	AC600 Nano Wireless USB Adapter	
Brand Name	tp-link	
Test Model	Archer T2U Nano	
Series Model	N/A	
Model Difference(s)	N/A	
Software Version	win xp/7/8/8.1/10 : 07/18/2018,1030.29.1102.2017	
Hardware Version	1.0	
Product Description	Operation Frequency	2412 MHz ~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/ac up to 200 Mbps
	AVG Output Power (Max.)	802.11b: 17.96 dBm 802.11g: 17.92 dBm 802.11n(20 MHz): 17.96 dBm 802.11n(40 MHz): 17.79 dBm 802.11ac(20MHz): 17.91dBm 802.11ac(40MHz): 17.75dBm
Power Source	Supplied from PC USB port.	
Power Rating	DC 5V 1A	

Note:

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

CH01 - CH11 for 802.11b, 802.11g, 802.11n(20MHz), 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.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	TP-LINK	N/A	Internal	N/A	0.36

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-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz 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	TX Mode
Mode 8	TX B MODE CHANNEL 01//02/06/10/11
Mode 9	TX G MODE CHANNEL 01//02/06/10/11
Mode 10	TX N-20MHZ MODE CHANNEL 01//02/06/10/11
Mode 11	TX N-40MHZ MODE CHANNEL 03/04/06/08/09
Mode 12	TX AC-20MHZ MODE CHANNEL 01/06/11
Mode 13	TX AC-40MHZ MODE CHANNEL 03/06/09

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

For Conducted Test	
Final Test Mode:	Description
Mode 5	TX Mode

For Radiated Test	
Final Test Mode:	Description
Mode 6	TX B MODE CHANNEL 01//02/06/10/11
Mode 7	TX G MODE CHANNEL 01//02/06/10/11
Mode 8	TX N-20MHZ MODE CHANNEL 01//02/06/10/11
Mode 9	TX N-40MHZ MODE CHANNEL 03/04/06/08/09
Mode 10	TX AC-20MHZ MODE CHANNEL 01/06/11
Mode 11	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-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz 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

6 dB 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-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz 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 AVG 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-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz 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-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz 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 (1 Mbps)
802.11g mode: OFDM (6 Mbps)
802.11n HT20 mode : BPSK (6.5 Mbps)
802.11n HT40 mode : BPSK (13.5 Mbps)
802.11ac VHT20 mode : QPSK (6.5 Mbps)
802.11ac VHT40 mode : BPSK (13.5 Mbps)
For radiated emission tests, the highest output powers were set for final test.

(3) For radiated 30 MHz to 1000 MHz test, the 802.11b is found to be the worst case and recorded.

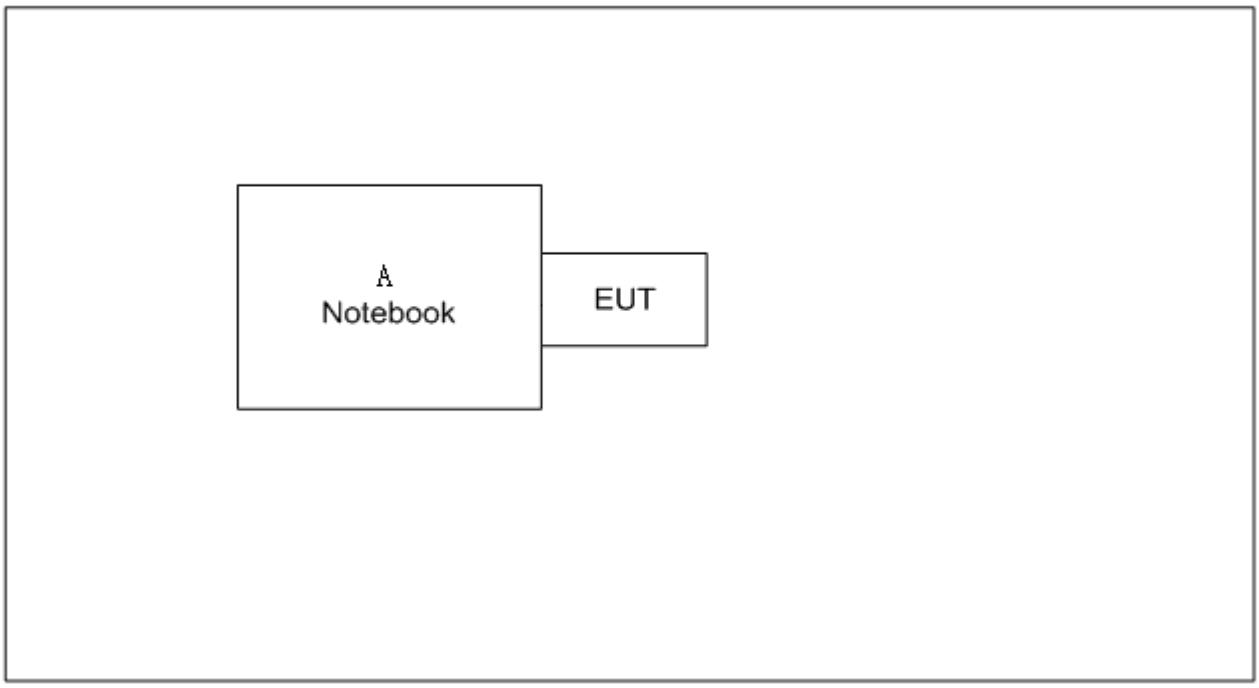
(4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	MPTool		
Frequency (MHz)	2412	2437	2462
802.11b	40	40	40
802.11g	52	52	52
802.11n (20 MHz)	52	52	52
802.11ac (20 MHz)	52	52	52
Frequency (MHz)	2422	2437	2452
802.11n (40 MHz)	54	54	54
802.11ac (40 MHz)	54	54	54

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	Lenovo	G410	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
-	-	-	-	-

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

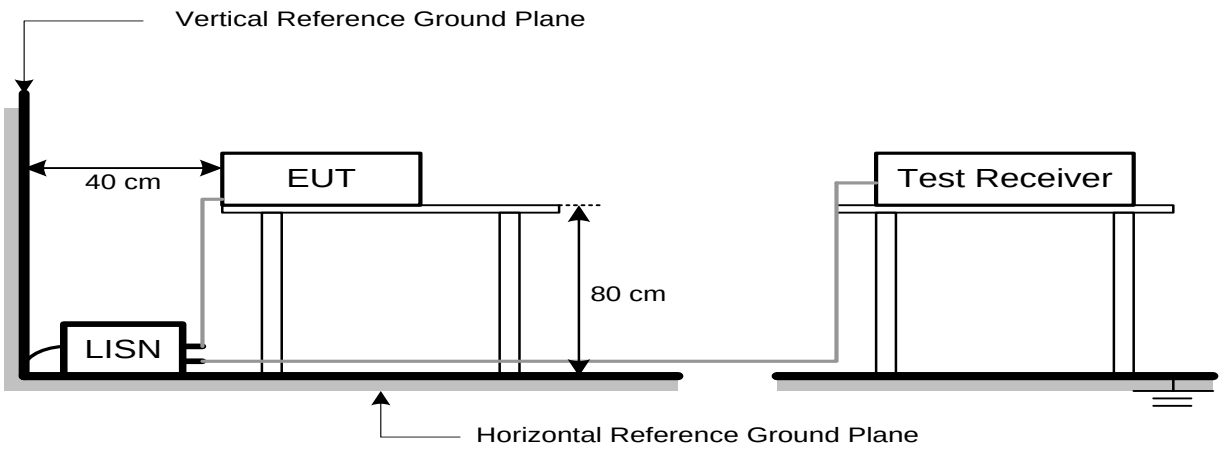
4.1.2 TEST PROCEDURE

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



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: 53% 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 (9 kHz-1000 MHz)

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 1000 MHz)

Frequency (MHz)	(dBuV/m) (at 3 meters)	
	Peak	Average
Above 1000	74	54

Note:

(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)	1 MHz / 3 MHz for Peak, 1 MHz / 1/T for Average

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

4.2.2 TEST PROCEDURE

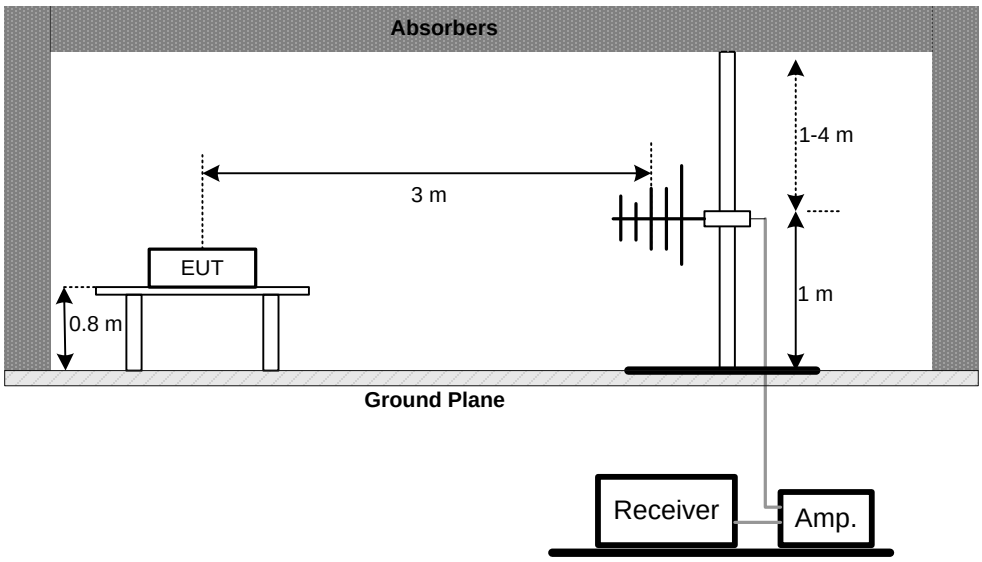
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
b. The measuring distance 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 1 GHz)
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 1 GHz.
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 1 GHz)
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 1 GHz)
i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

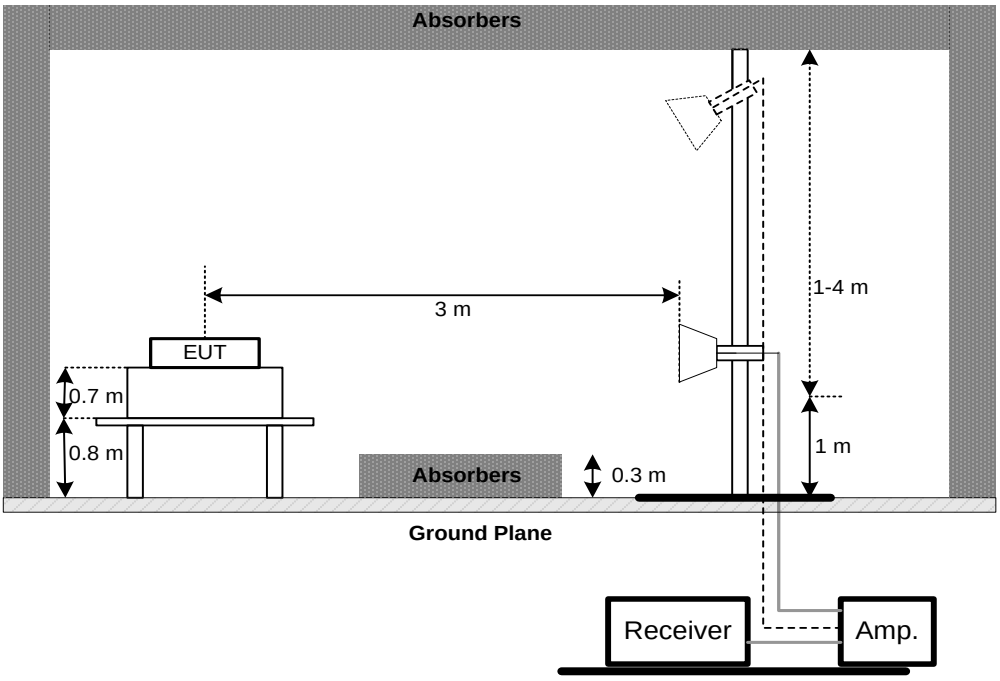
No deviation

4.2.4 TEST SETUP

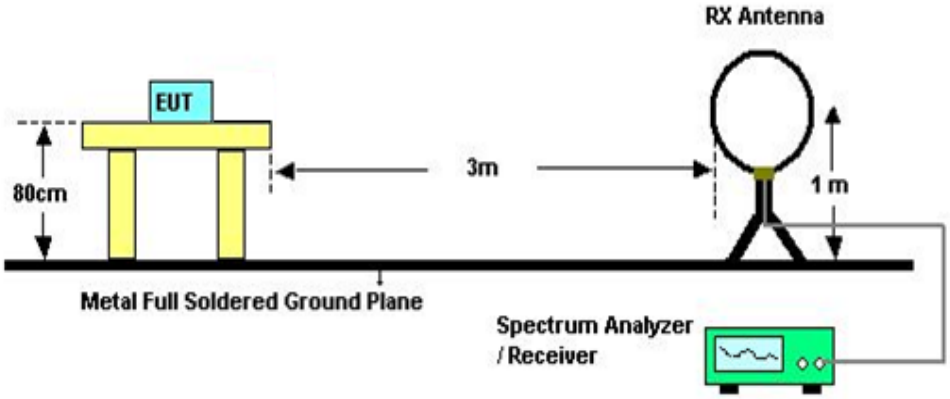
(A) Radiated Emission Test Set-Up Frequency 30 MHz-1000 MHz



(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



(C) For Radiated Emissions 9 kHz-30 MHz



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: 60% Test Voltage: DC 5V

4.2.7 TEST RESULTS (9 kHz TO 30 MHz)

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 (30 MHz TO 1000 MHz)

Please refer to the Appendix C.

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

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. The bandwidth was performed in accordance with method 8.2 of FCC KDB 558074 D01 v05 DTS Meas Guidance and 11.8 of ANSI C63.10-2013.
c. For 6dB Bandwidth Spectrum setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms. For 99% OBW Spectrum Setting: For B,G.N20 mode: RBW= 300KHz, VBW=1MHz,For N40 mode: RBW= 1MHz, VBW=3MHz 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: 60% Test Voltage: DC 5V

5.1.6 TEST RESULTS

Please refer to the Appendix E.

6. MAXIMUM AVG 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 AVG Output Power	1 Watt or 30 dBm	2400-2483.5	PASS

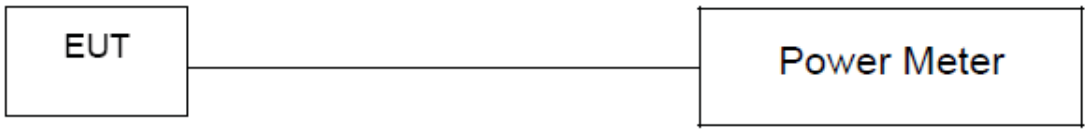
6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum AVG output power was performed in accordance with method 8.3.2.3 of FCC KDB 558074 D01 v05 DTS Meas Guidance and 11.9.2.3 of ANSI C63.10-2013.

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: 60% Test Voltage: DC 5V

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 intentional radiator is operating, the radio frequency power that is produced by the in tentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band th at contains the highest level of the desired power, based on either an RF conducted or a radiat ed measurement, provided the transmitter demonstrates compliance with the AVG conducted p ower limits. If the transmitter complies with the conducted power limits based on the use of RM S averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenu ation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the gen eral limits specified in Section 15.209(a) is not required. In addition, radiated emissions which f all in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated e mission limits specified in Section 15.209(a) (see Section 15.205(c)).

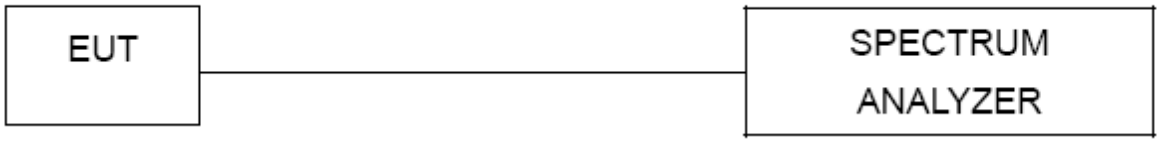
7.1.1 TEST PROCEDURE

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= 100 kHz, VBW=300 kHz, 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: 60% Test Voltage: DC 5V

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 3 kHz)	2400-2483.5	PASS

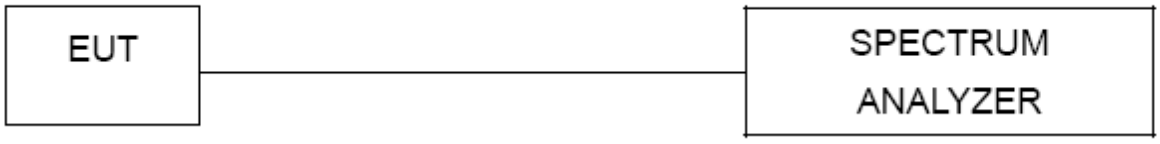
8.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. The Power Spectral Density was performed in accordance with method 8.4 of FCC KDB 558074 D01 v05 DTS Meas Guidance and 11.10.2 of ANSI C63.10-2013.
c. 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: 60% Test Voltage: DC 5V

8.1.6 TEST RESULTS

Please refer to the Appendix H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 11, 2019
2	LISN	EMCO	3816/2	52765	Mar. 11, 2019
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 11, 2019
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 11, 2019
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 23, 2019

Radiated Emission Measurement-9 kHz TO 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EM	EM-6876-1	230	Feb. 07, 2019
2	Cable	N/A	RG 213/U	C-102	Jun. 01, 2019
3	EMI Test Receiver	R&S	ESCI	100382	Mar. 11, 2019
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement-30 MHz TO 1000 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 11, 2019
2	Amplifier	HP	8447D	2944A09673	Aug. 11, 2019
3	Receiver	Agilent	N9038A	MY52130039	Aug. 11, 2019
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 25, 2019
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

Radiated Emission Measurement - Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 11, 2019
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2019
3	Amplifier	Agilent	8449B	3008A02274	Mar. 11, 2019
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 11, 2019
5	Receiver	Agilent	N9038A	MY52130039	Aug. 11, 2019
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	mitron	B10-01-01-12M	18072744	Jul. 30, 2019
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6 dB Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 11, 2019

Maximum output power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Mar. 11, 2019
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 11, 2019

Antenna Conducted Spurious Emission					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 11, 2019

Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 11, 2019

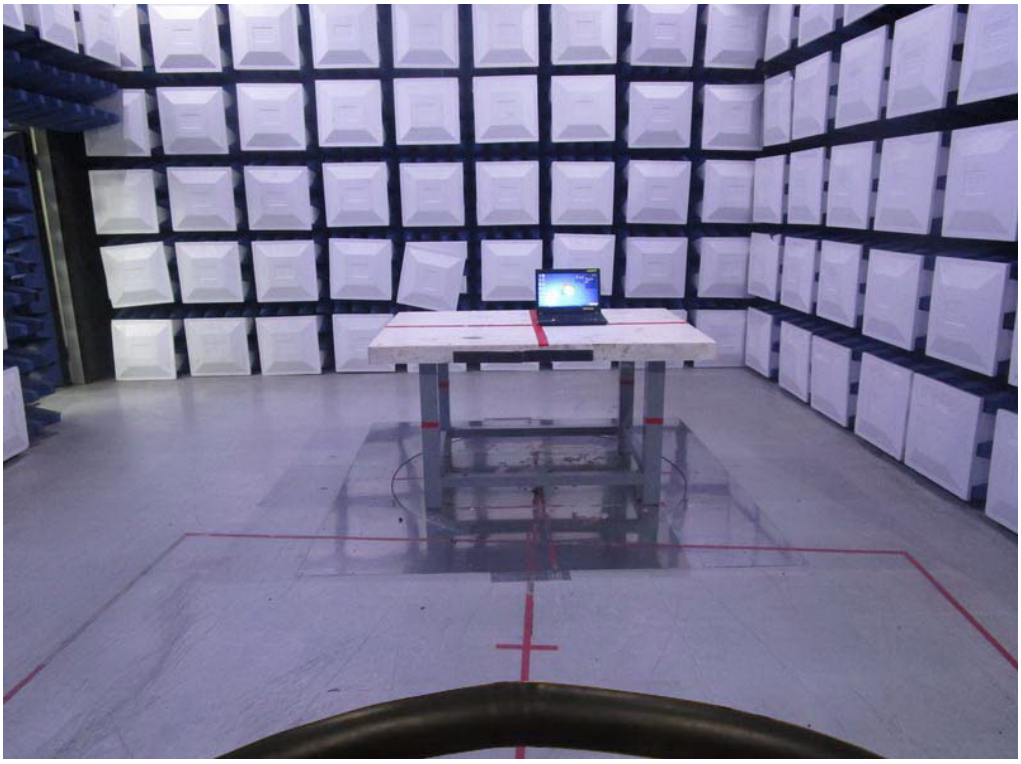
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

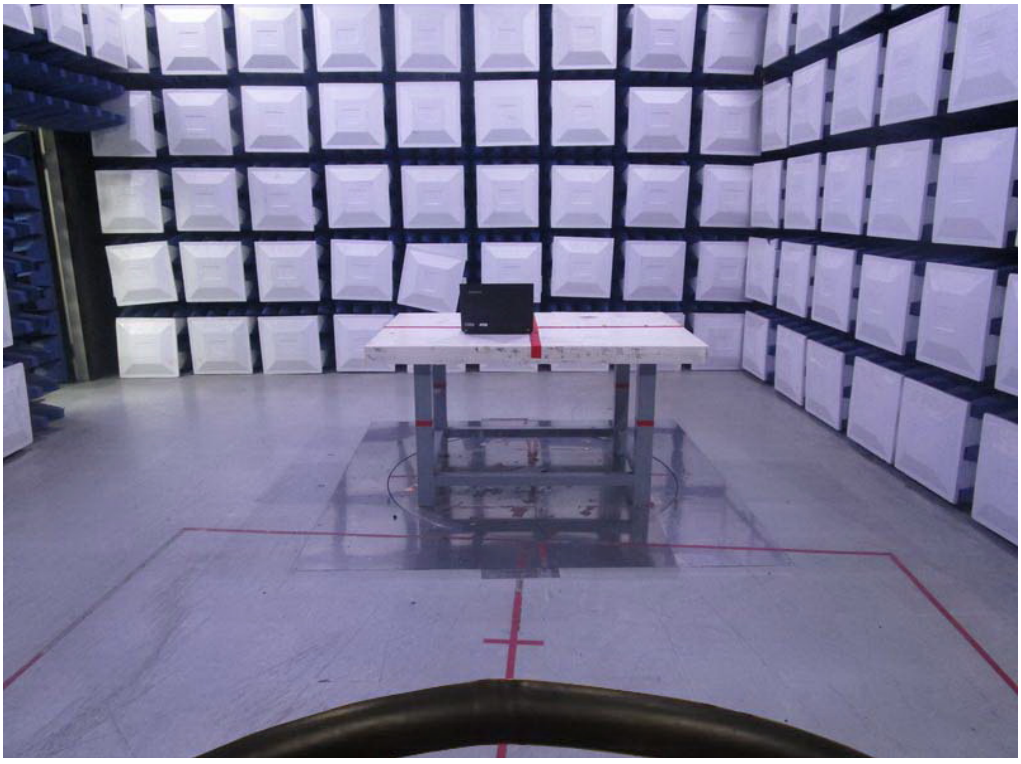
10. EUT TEST PHOTO

Conducted Measurement Photos

Radiated Measurement Photos

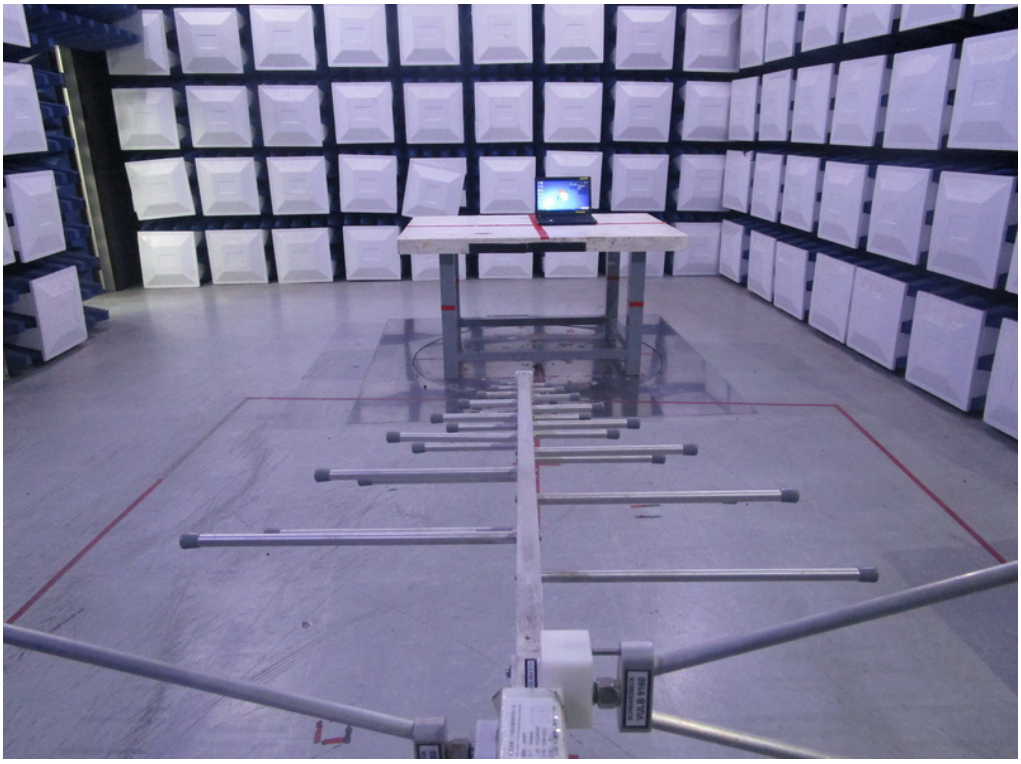
9 kHz to 30 MHz

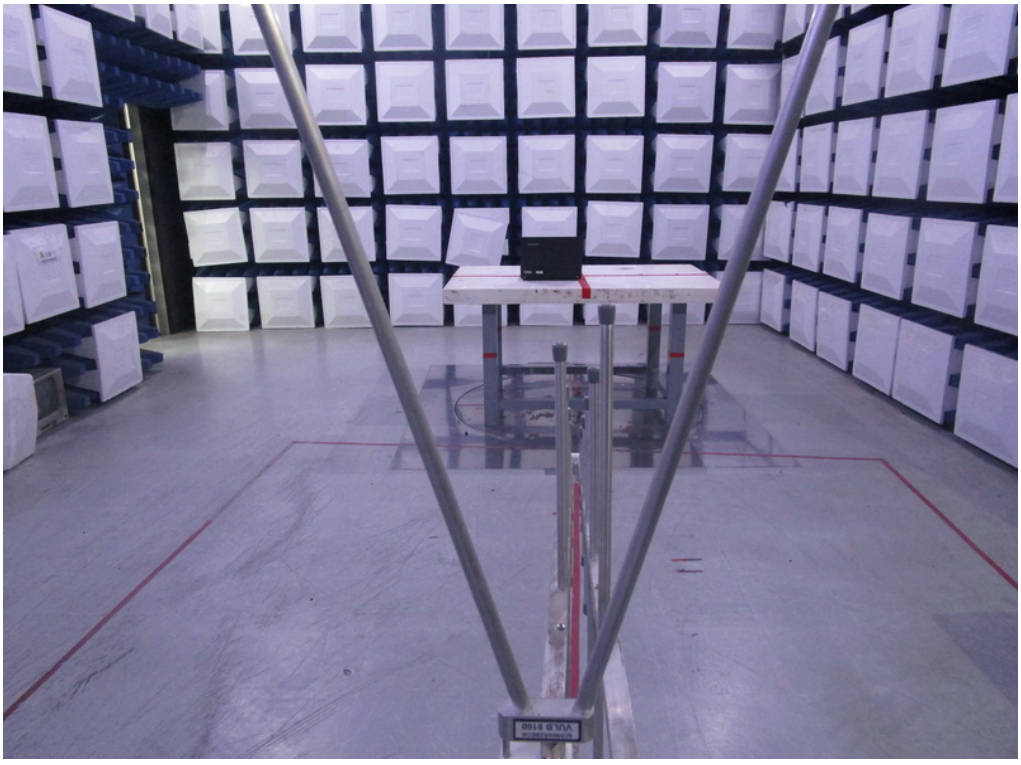




Radiated Measurement Photos

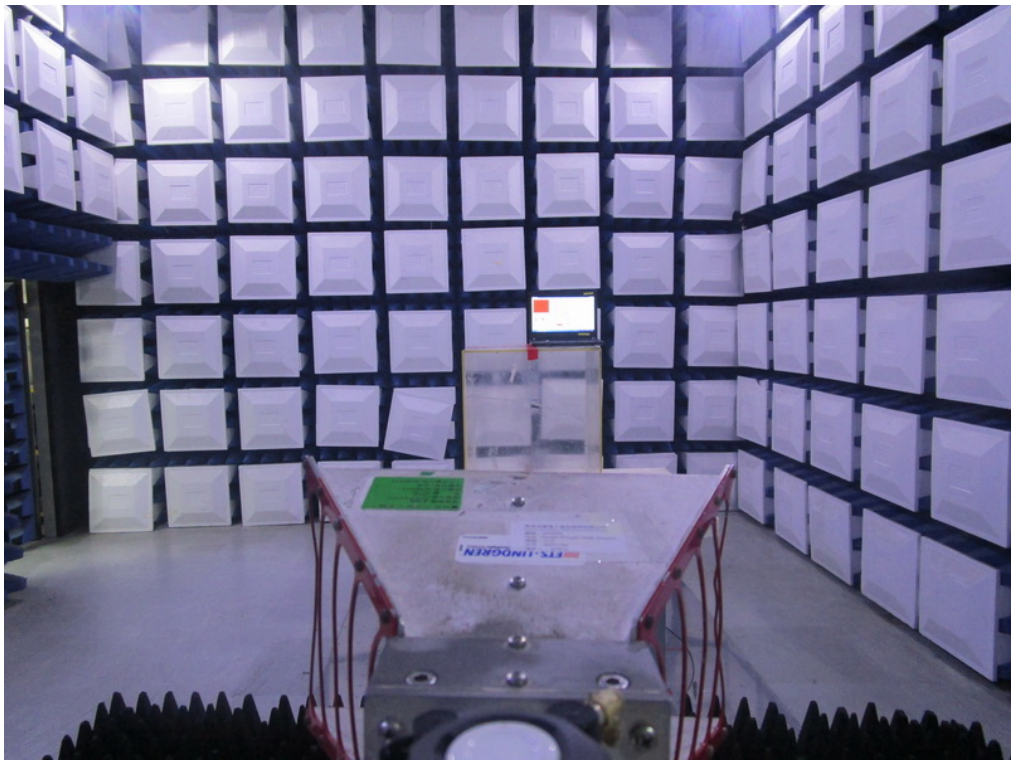
30 MHz to 1000 MHz

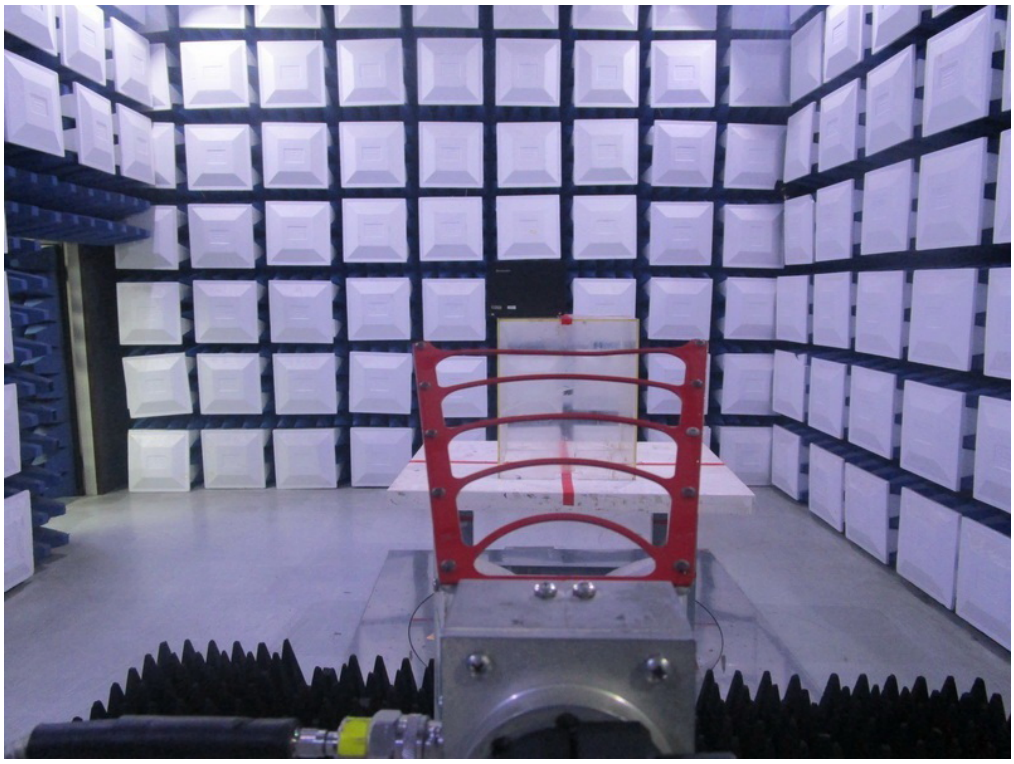




Radiated Measurement Photos

Above 1000 MHz

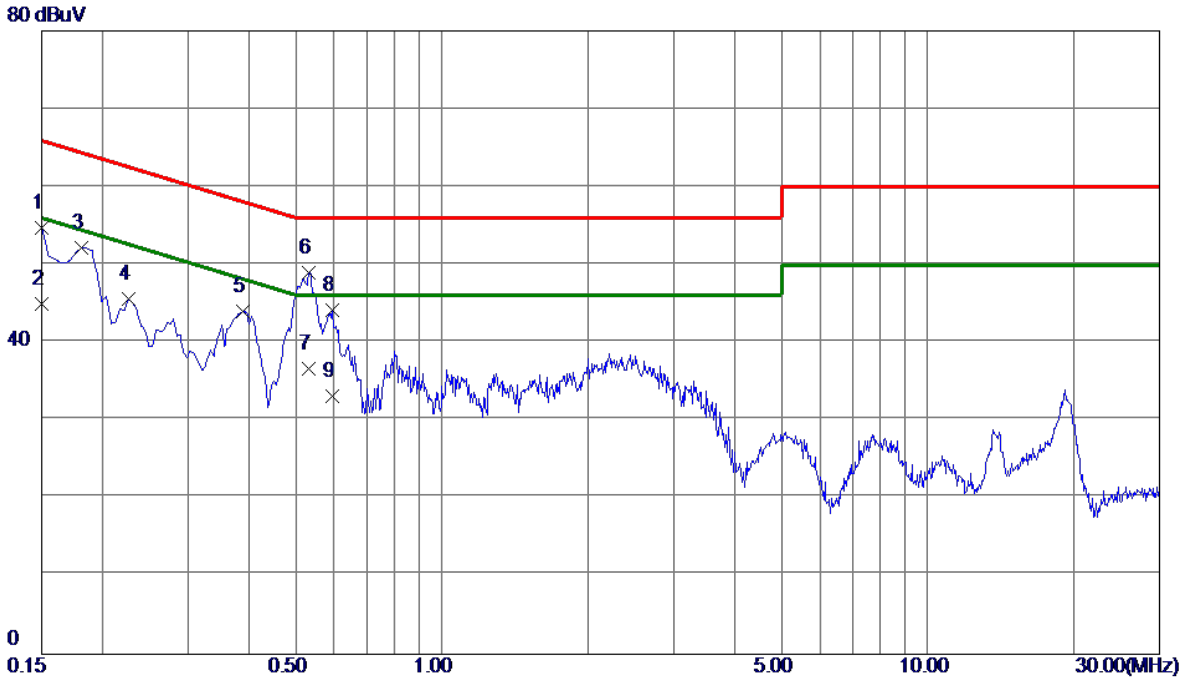




APPENDIX A - CONDUCTED EMISSION

Test Mode:	TX Mode

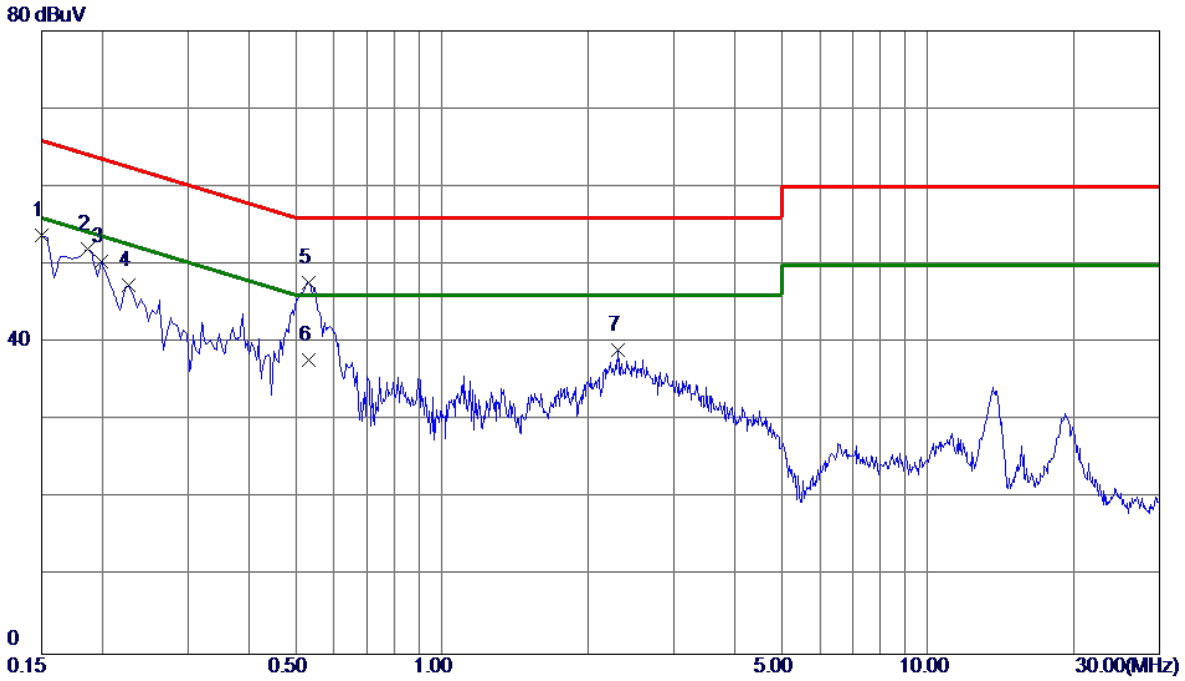
Line



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1500	44.98	9.82	54.80	66.00	-11.20	Peak	
2	0.1500	35.10	9.82	44.92	56.00	-11.08	AVG	
3	0.1815	42.32	9.82	52.14	64.42	-12.28	Peak	
4	0.2265	35.74	9.82	45.56	62.58	-17.02	Peak	
5	0.3885	34.22	9.81	44.03	58.10	-14.07	Peak	
6 *	0.5325	39.18	9.80	48.98	56.00	-7.02	Peak	
7	0.5325	26.80	9.80	36.60	46.00	-9.40	AVG	
8	0.5955	34.26	9.83	44.09	56.00	-11.91	Peak	
9	0.5955	23.30	9.83	33.13	46.00	-12.87	AVG	

Test Mode:	TX Mode

Neutral

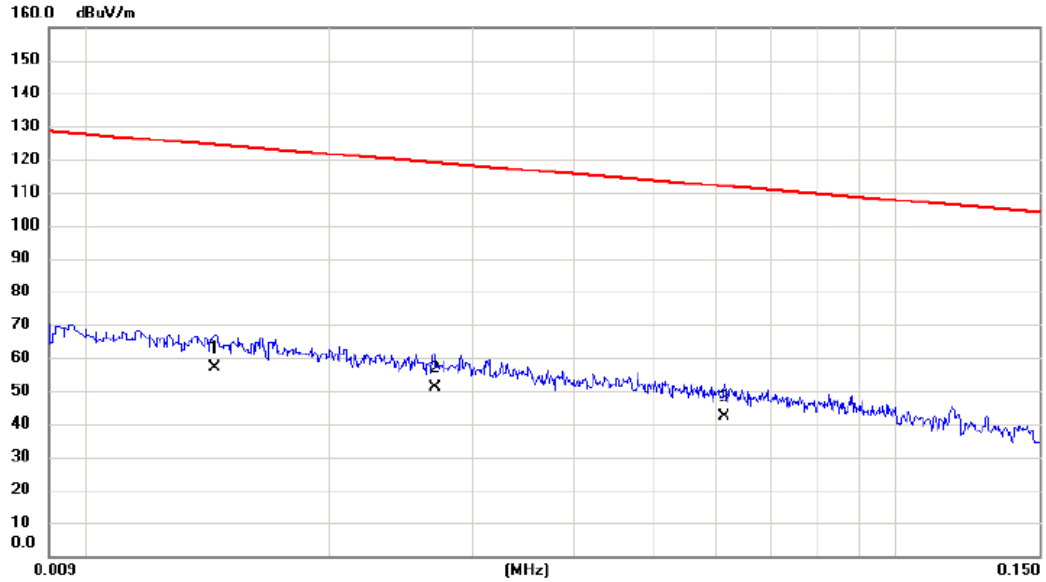


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1500	43.82	9.91	53.73	66.00	-12.27	Peak	
2	0.1860	42.14	9.91	52.05	64.21	-12.16	Peak	
3	0.1995	40.52	9.91	50.43	63.63	-13.20	Peak	
4	0.2265	37.47	9.92	47.39	62.58	-15.19	Peak	
5	0.5325	37.79	9.95	47.74	56.00	-8.26	Peak	
6 *	0.5325	27.80	9.95	37.75	46.00	-8.25	AVG	
7	2.3055	28.79	10.20	38.99	56.00	-17.01	Peak	

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

Test Mode:	TX Mode

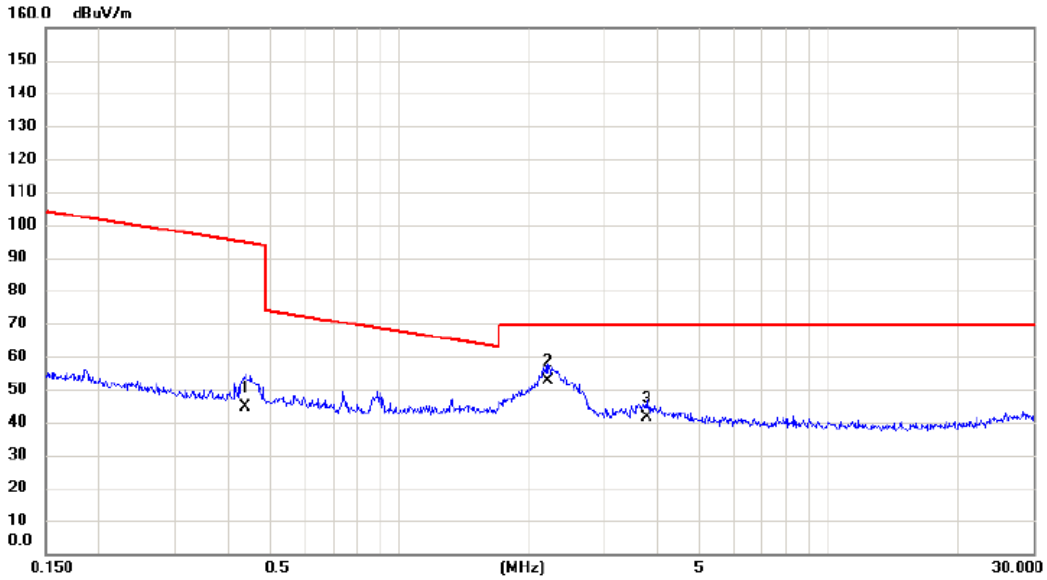
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0144	36.30	20.80	57.10	124.44	-67.34	AVG	
2		0.0270	31.10	19.90	51.00	118.98	-67.98	AVG	
3		0.0613	22.80	19.30	42.10	111.86	-69.76	AVG	

Test Mode:	TX Mode

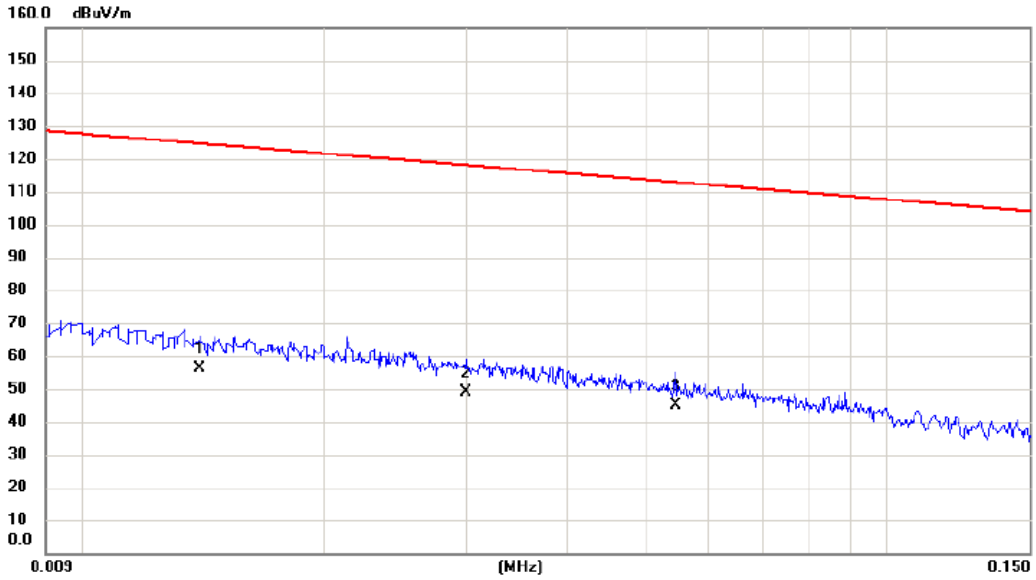
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4374	27.50	17.00	44.50	94.79	-50.29	AVG	
2	*	2.2132	35.80	16.98	52.78	69.54	-16.76	QP	
3		3.7794	25.60	15.93	41.53	69.54	-28.01	QP	

Test Mode:	TX Mode

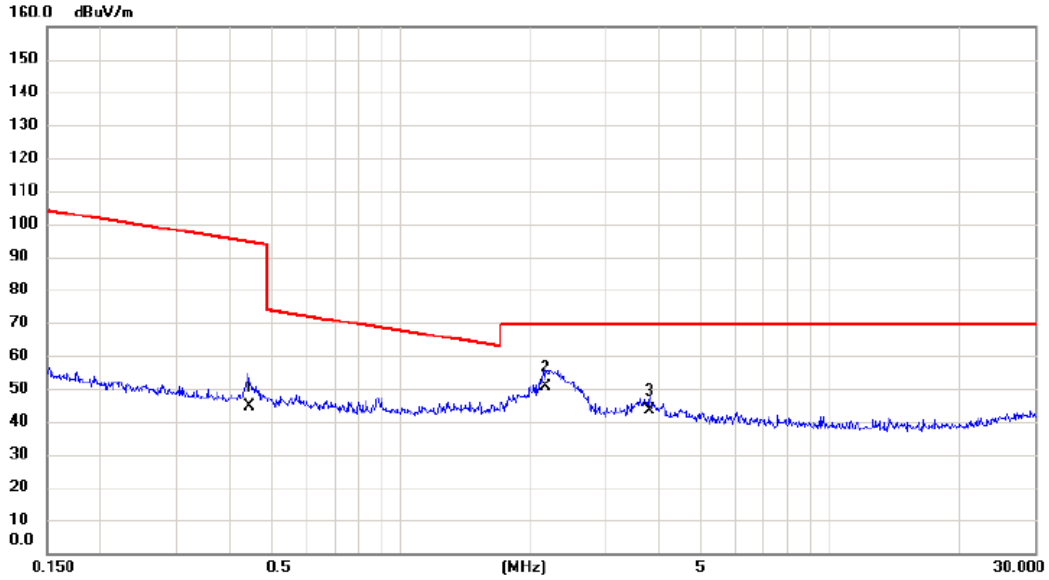
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0140	35.20	20.86	56.06	124.68	-68.62	AVG	
2		0.0300	29.30	19.85	49.15	118.06	-68.91	AVG	
3	*	0.0546	25.50	19.44	44.94	112.86	-67.92	AVG	

Test Mode:	TX Mode

Ant 90°

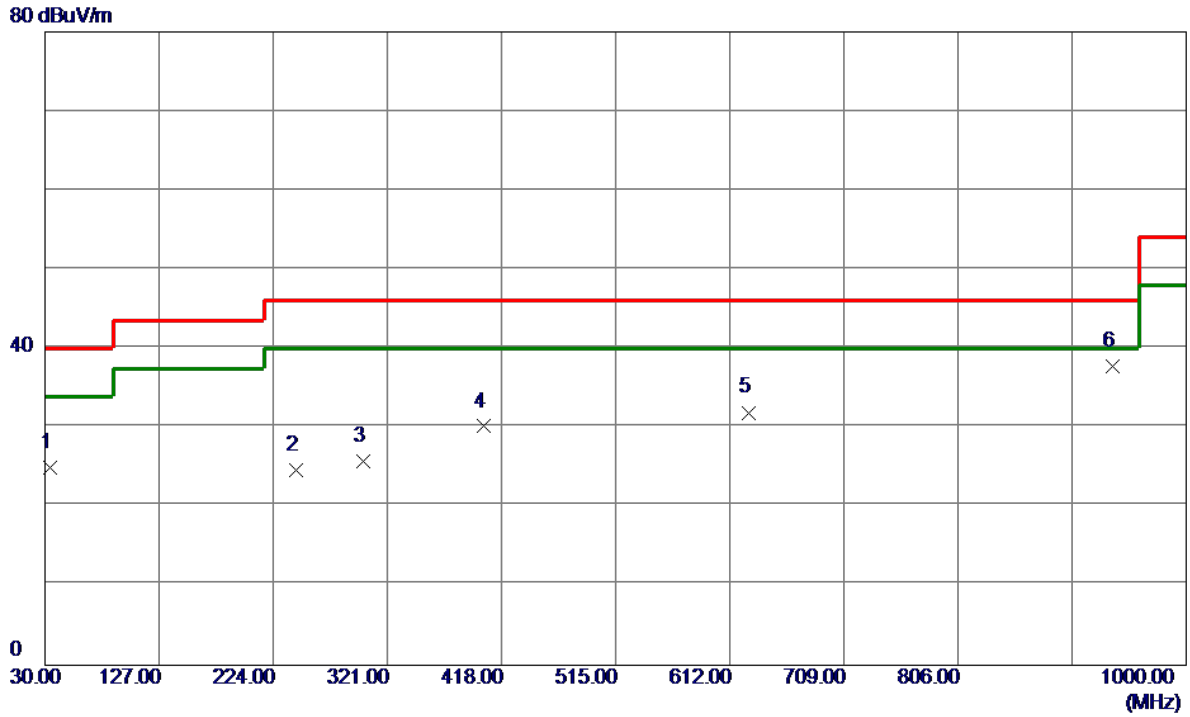


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4421	27.50	16.99	44.49	94.69	-50.20	AVG	
2	*	2.1783	33.50	17.00	50.50	69.54	-19.04	QP	
3		3.7994	27.40	15.91	43.31	69.54	-26.23	QP	

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

Test Mode:	TX B Mode Channel 01

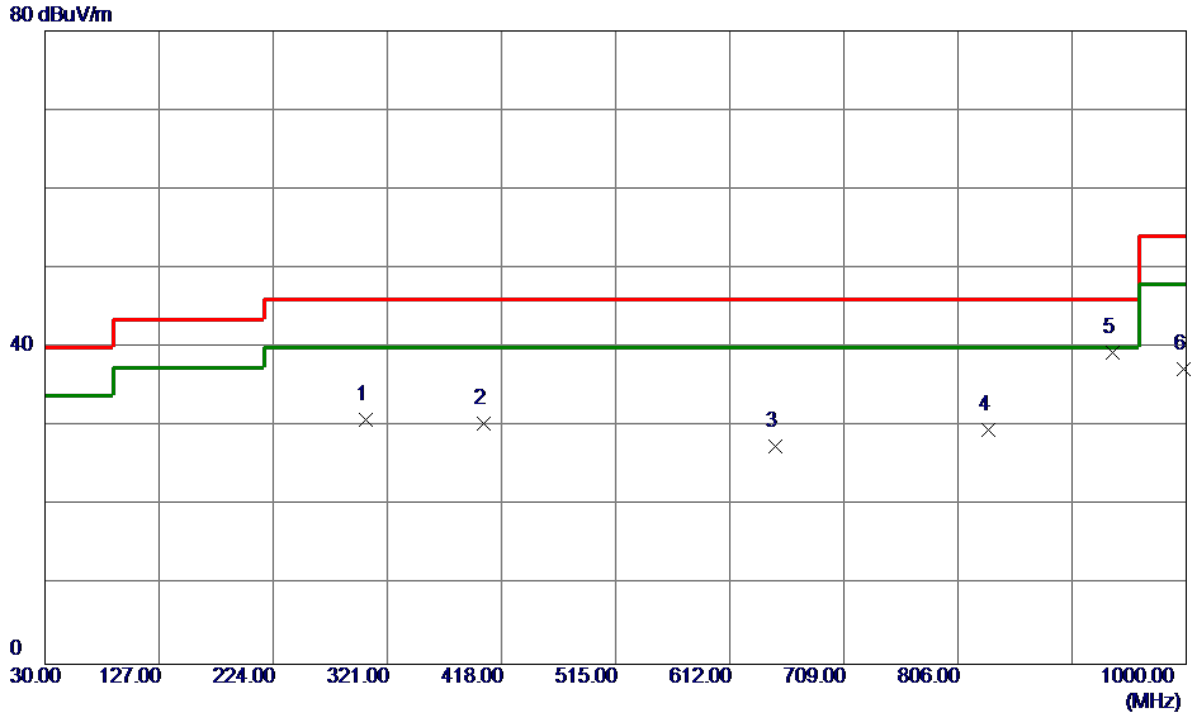
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	33.8800	39.76	-14.83	24.93	40.00	-15.07	Peak	
2	243.4000	39.12	-14.54	24.58	46.00	-21.42	Peak	
3	300.6300	36.11	-10.38	25.73	46.00	-20.27	Peak	
4	402.9650	39.43	-9.27	30.16	46.00	-15.84	Peak	
5	628.4900	37.58	-5.66	31.92	46.00	-14.08	Peak	
6 *	936.9500	36.88	0.89	37.77	46.00	-8.23	Peak	

Test Mode:	TX B Mode Channel 01

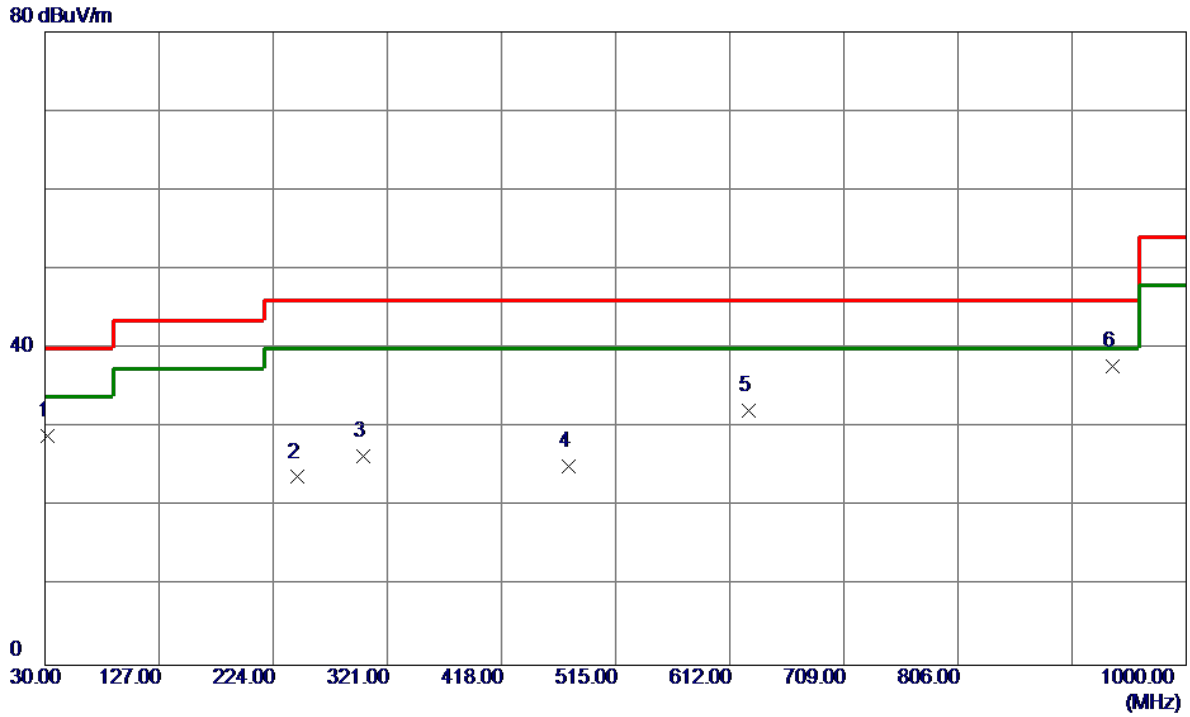
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	302.5700	41.32	-10.41	30.91	46.00	-15.09	Peak	
2	402.9650	39.60	-9.27	30.33	46.00	-15.67	Peak	
3	650.3150	32.75	-5.16	27.59	46.00	-18.41	Peak	
4	831.7050	31.08	-1.53	29.55	46.00	-16.45	Peak	
5 *	936.9500	38.46	0.89	39.35	46.00	-6.65	Peak	
6	997.5750	37.04	0.28	37.32	54.00	-16.68	Peak	

Test Mode:	TX B Mode Channel 06

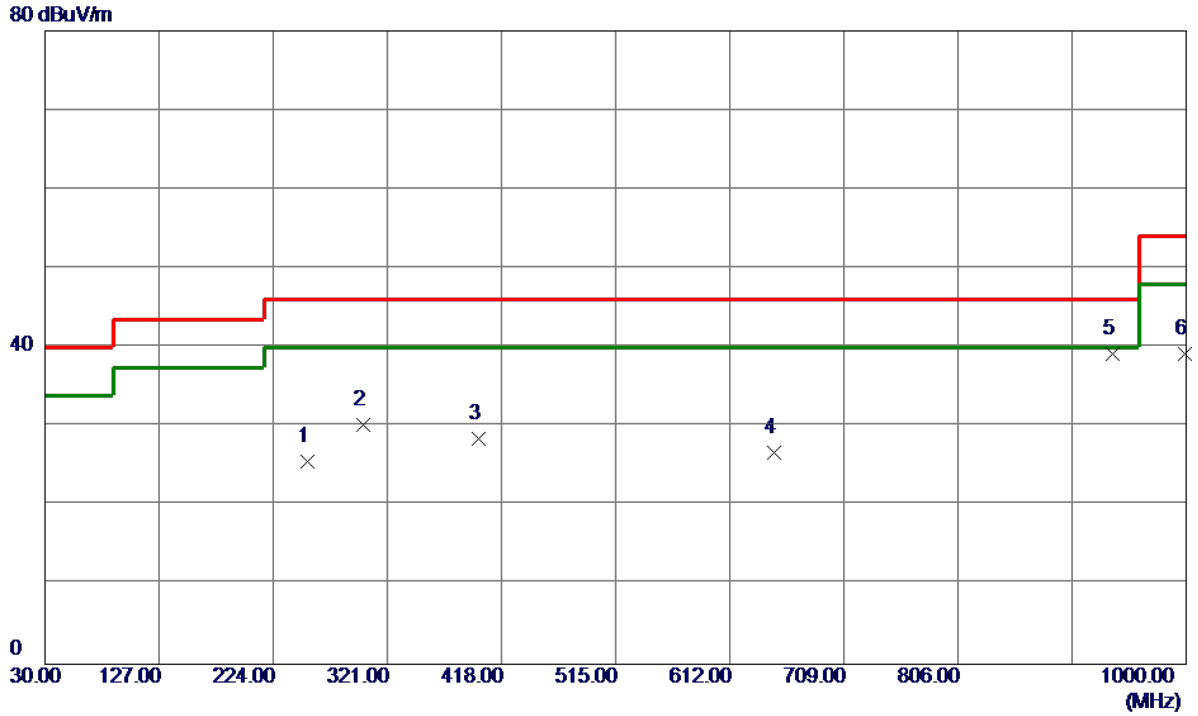
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.4250	44.02	-14.99	29.03	40.00	-10.97	Peak	
2	244.3700	38.27	-14.51	23.76	46.00	-22.24	Peak	
3	300.6300	36.80	-10.38	26.42	46.00	-19.58	Peak	
4	474.7450	33.03	-7.96	25.07	46.00	-20.93	Peak	
5	628.4900	37.81	-5.66	32.15	46.00	-13.85	Peak	
6 *	936.9500	36.89	0.89	37.78	46.00	-8.22	Peak	

Test Mode:	TX B Mode Channel 06

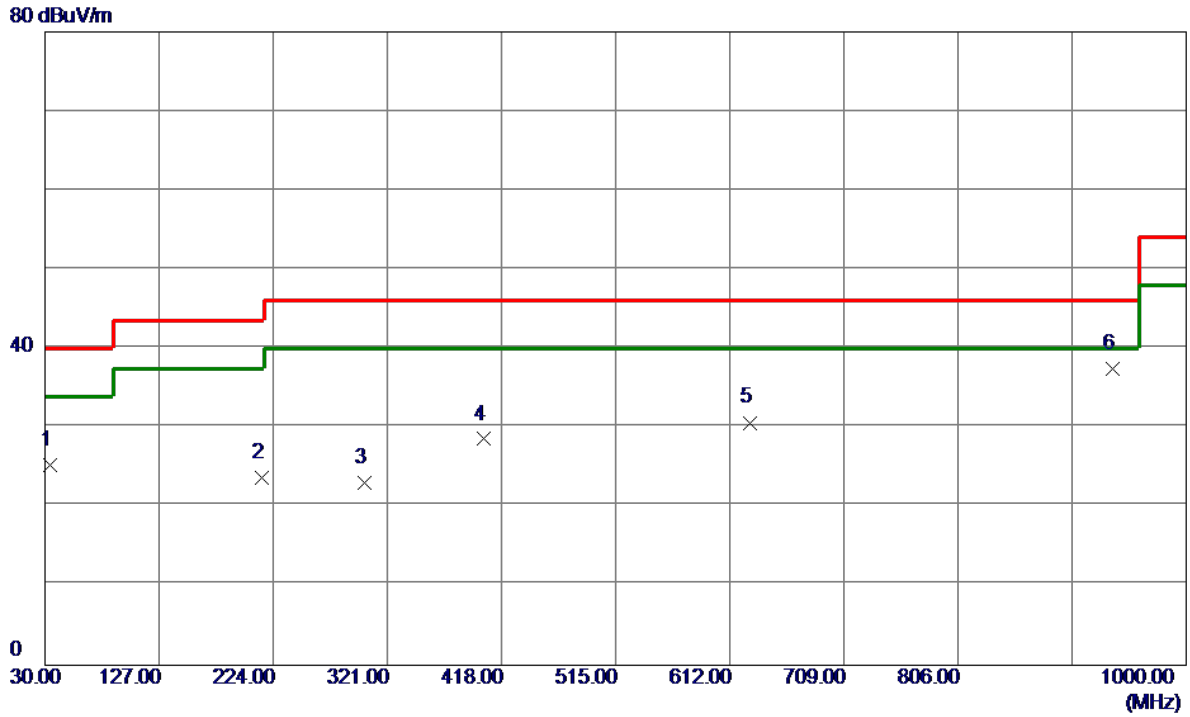
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	253.1000	39.66	-14.05	25.61	46.00	-20.39	Peak	
2	300.6300	40.67	-10.38	30.29	46.00	-15.71	Peak	
3	398.6000	37.86	-9.43	28.43	46.00	-17.57	Peak	
4	649.3449	31.98	-5.19	26.79	46.00	-19.21	Peak	
5 *	936.9500	38.36	0.89	39.25	46.00	-6.75	Peak	
6	998.5450	38.97	0.25	39.22	54.00	-14.78	Peak	

Test Mode:	TX B Mode Channel 11

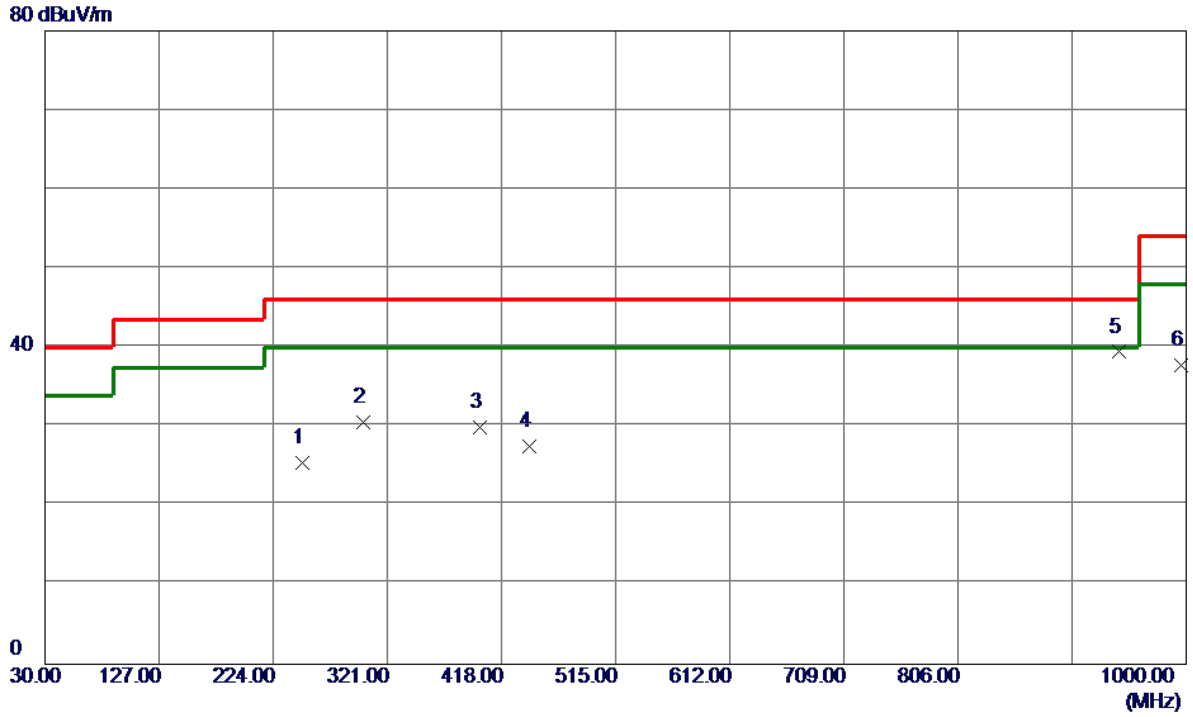
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	33.8800	40.08	-14.83	25.25	40.00	-14.75	Peak	
2	214.3000	38.75	-15.06	23.69	43.50	-19.81	Peak	
3	302.0850	33.47	-10.40	23.07	46.00	-22.93	Peak	
4	402.4800	37.85	-9.29	28.56	46.00	-17.44	Peak	
5	629.4600	36.28	-5.64	30.64	46.00	-15.36	Peak	
6 *	936.9500	36.57	0.89	37.46	46.00	-8.54	Peak	

Test Mode:	TX B Mode Channel 11

Horizontal

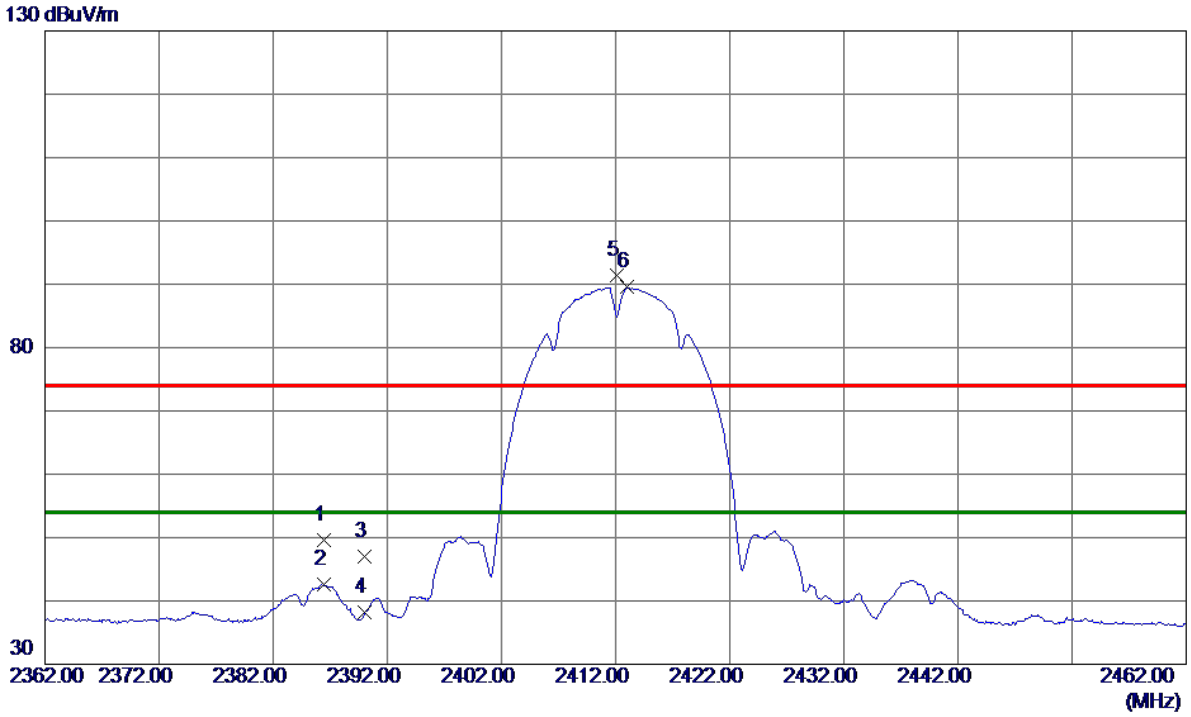


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	248.7350	39.72	-14.34	25.38	46.00	-20.62	Peak	
2	300.6300	40.93	-10.38	30.55	46.00	-15.45	Peak	
3	399.5700	39.39	-9.40	29.99	46.00	-16.01	Peak	
4	441.7650	35.27	-7.73	27.54	46.00	-18.46	Peak	
5 *	943.2550	38.30	1.14	39.44	46.00	-6.56	Peak	
6	995.6350	37.50	0.32	37.82	54.00	-16.18	Peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000 MHZ)

Orthogonal Axis	X
Test Mode:	TX B Mode 2412 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2386.4500	42.98	6.62	49.60	74.00	-24.40	Peak	
2	2386.4500	35.95	6.62	42.57	54.00	-11.43	AVG	
3	2390.0000	40.29	6.62	46.91	74.00	-27.09	Peak	
4	2390.0000	31.54	6.62	38.16	54.00	-15.84	AVG	
5	2412.1500	84.86	6.62	91.48	74.00	17.48	Peak	No Limit
6 *	2413.0000	82.90	6.62	89.52	54.00	35.52	AVG	No Limit

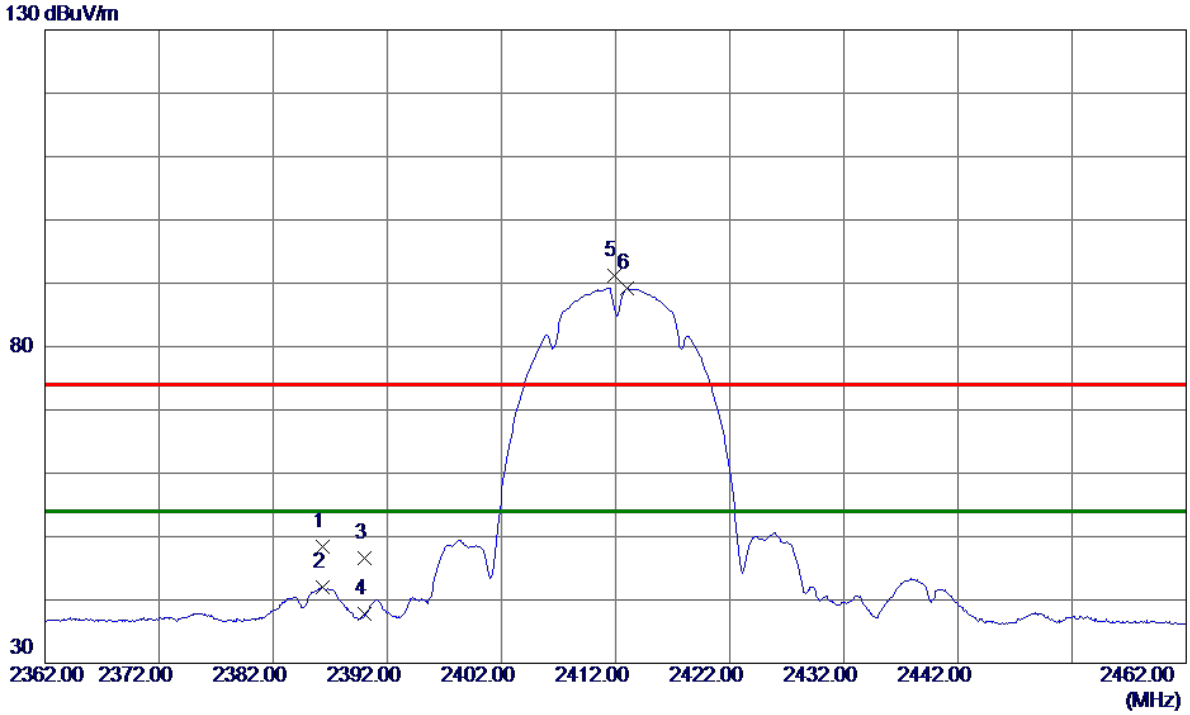
Orthogonal Axis	X
Test Mode:	TX B Mode 2412 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.2150	49.63	3.57	53.20	54.00	-0.80	AVG	
2	4824.2440	51.00	3.57	54.57	74.00	-19.43	Peak	

Orthogonal Axis	X
Test Mode:	TX B Mode 2412 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2386.3500	41.71	6.62	48.33	74.00	-25.67	Peak	
2	2386.3500	35.33	6.62	41.95	54.00	-12.05	AVG	
3	2390.0000	39.96	6.62	46.58	74.00	-27.42	Peak	
4	2390.0000	31.15	6.62	37.77	54.00	-16.23	AVG	
5	2411.8500	84.65	6.62	91.27	74.00	17.27	Peak	No Limit
6 *	2412.9500	82.63	6.62	89.25	54.00	35.25	AVG	No Limit

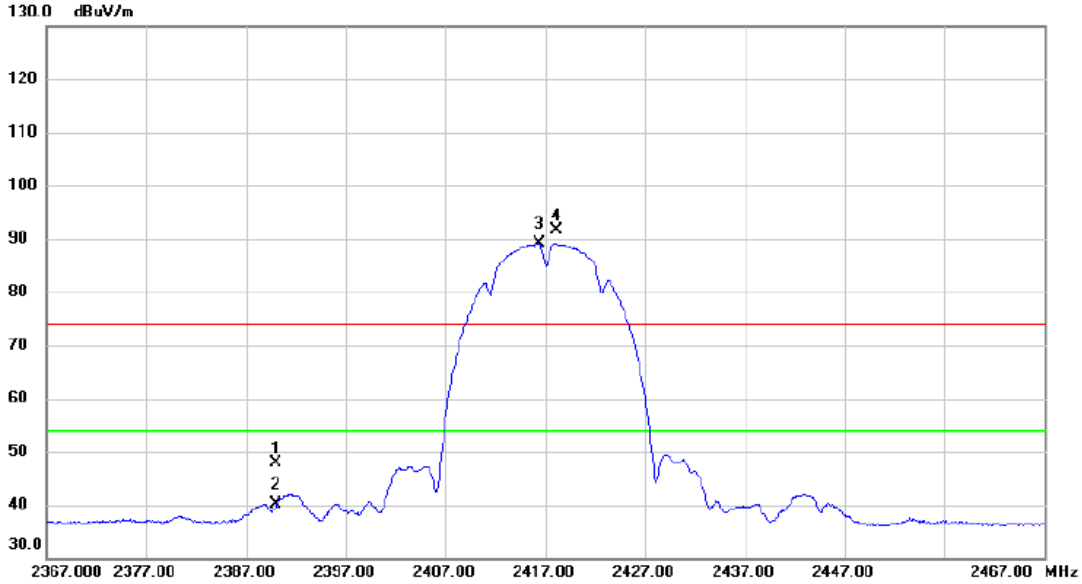
Orthogonal Axis	X
Test Mode:	TX B Mode 2412 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.6480	50.42	3.50	53.92	54.00	-0.08	AVG	
2	4824.6850	52.60	3.50	56.10	74.00	-17.90	Peak	

Orthogonal Axis :	X
Test Mode :	TX B Mode 2417MHz

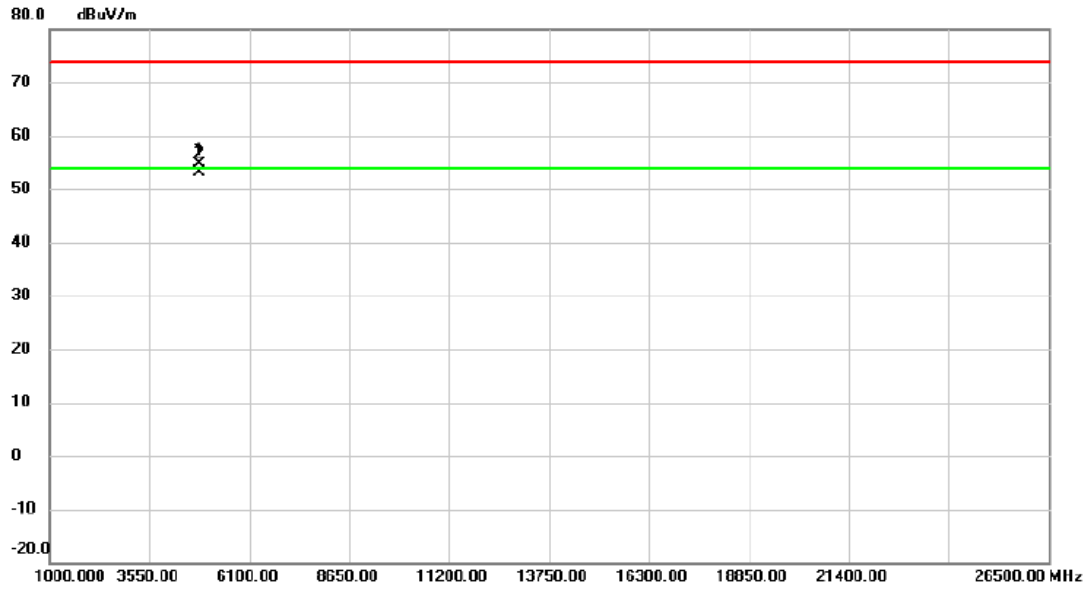
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	41.27	6.62	47.89	74.00	-26.11	peak	
2		2390.000	33.55	6.62	40.17	54.00	-13.83	AVG	
3	*	2416.400	82.59	6.62	89.21	54.00	35.21	AVG	No Limit
4	X	2418.100	85.13	6.61	91.74	74.00	17.74	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX B Mode 2417MHz

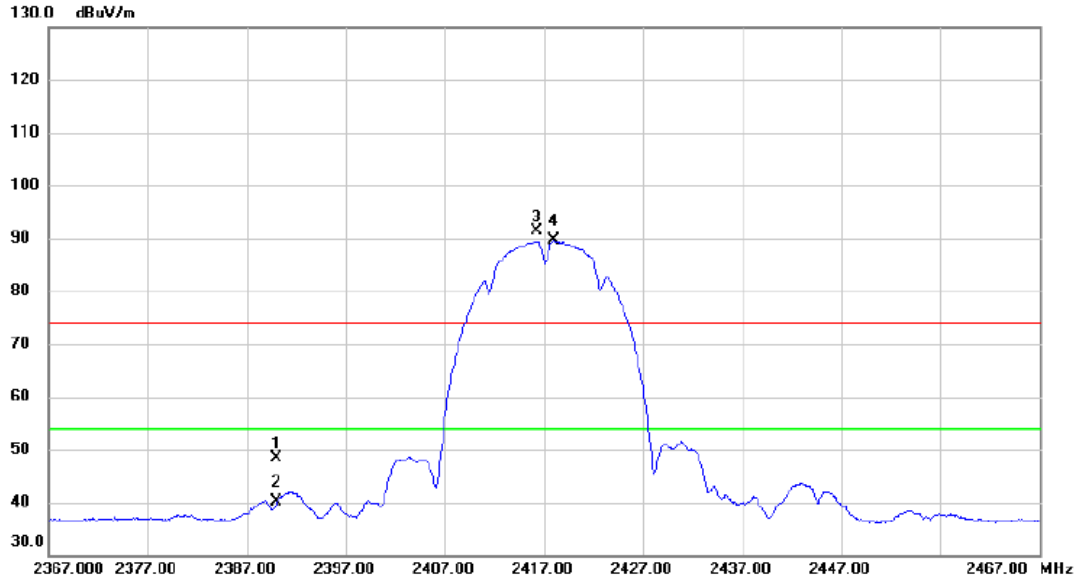
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4834.033	50.98	3.59	54.57	74.00	-19.43	peak	
2	*	4834.062	49.42	3.59	53.01	54.00	-0.99	AVG	

Orthogonal Axis :	X
Test Mode :	TX B Mode 2417MHz

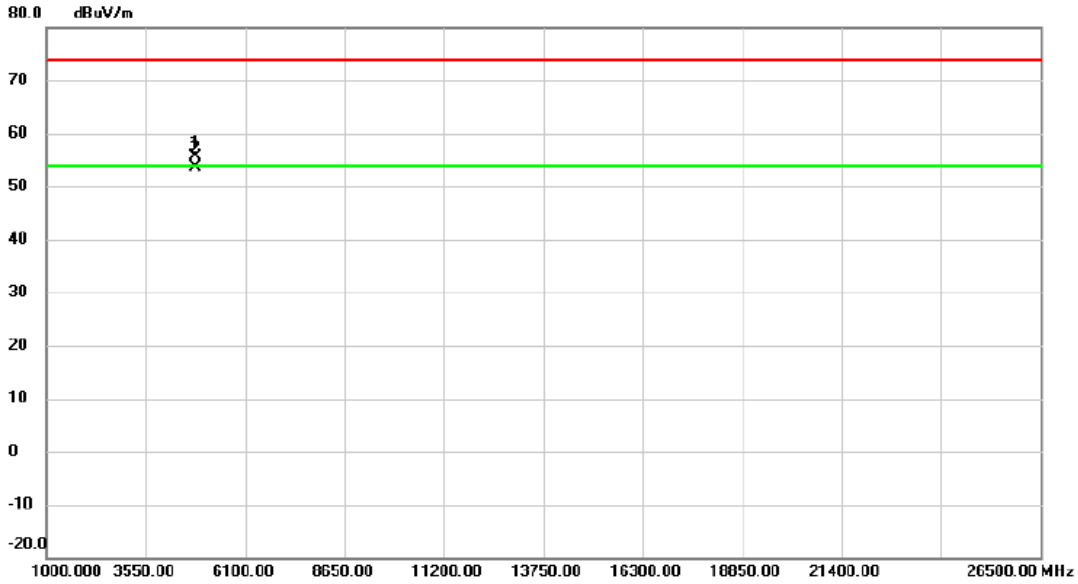
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	41.65	6.62	48.27	74.00	-25.73	peak	
2		2390.000	33.41	6.62	40.03	54.00	-13.97	AVG	
3	X	2416.300	84.77	6.62	91.39	74.00	17.39	peak	No Limit
4	*	2417.950	82.95	6.61	89.56	54.00	35.56	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX B Mode 2417MHz

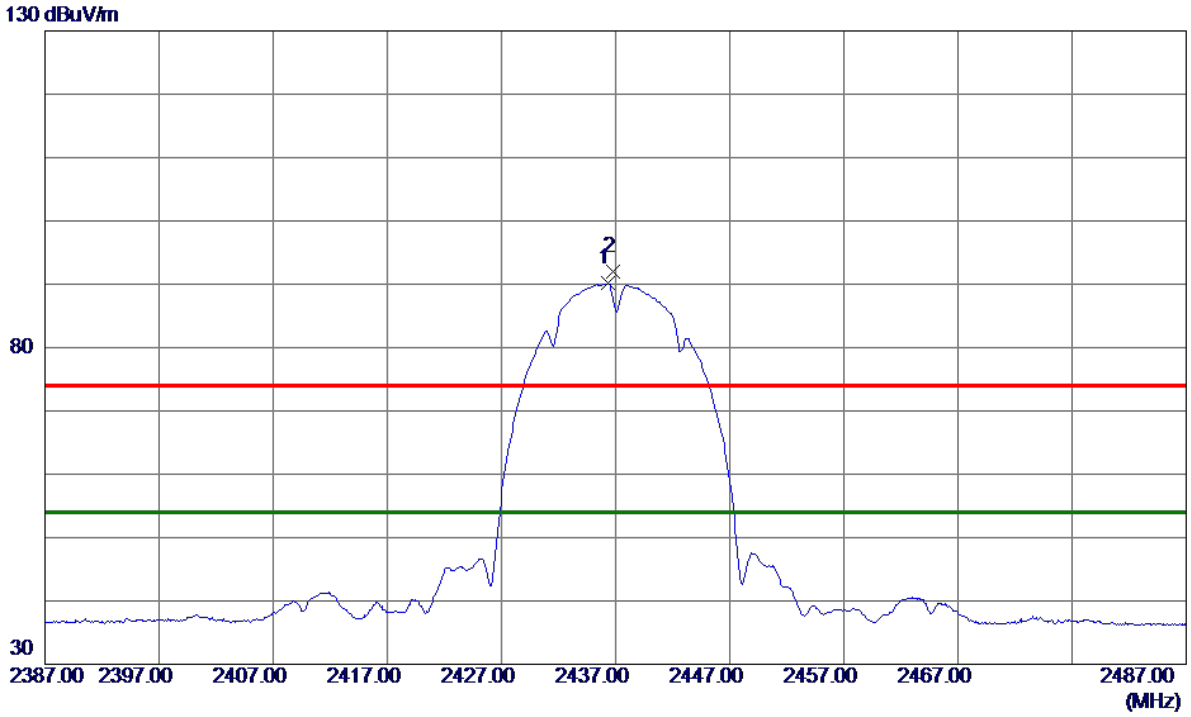
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4834.318	52.18	3.51	55.69	74.00	-18.31	peak	
2	*	4834.328	50.13	3.51	53.64	54.00	-0.36	AVG	

Orthogonal Axis	X
Test Mode:	TX B Mode 2437 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2436.3500	83.50	6.61	90.11	54.00	36.11	AVG	No Limit
2	2436.8000	85.45	6.61	92.06	74.00	18.06	Peak	No Limit

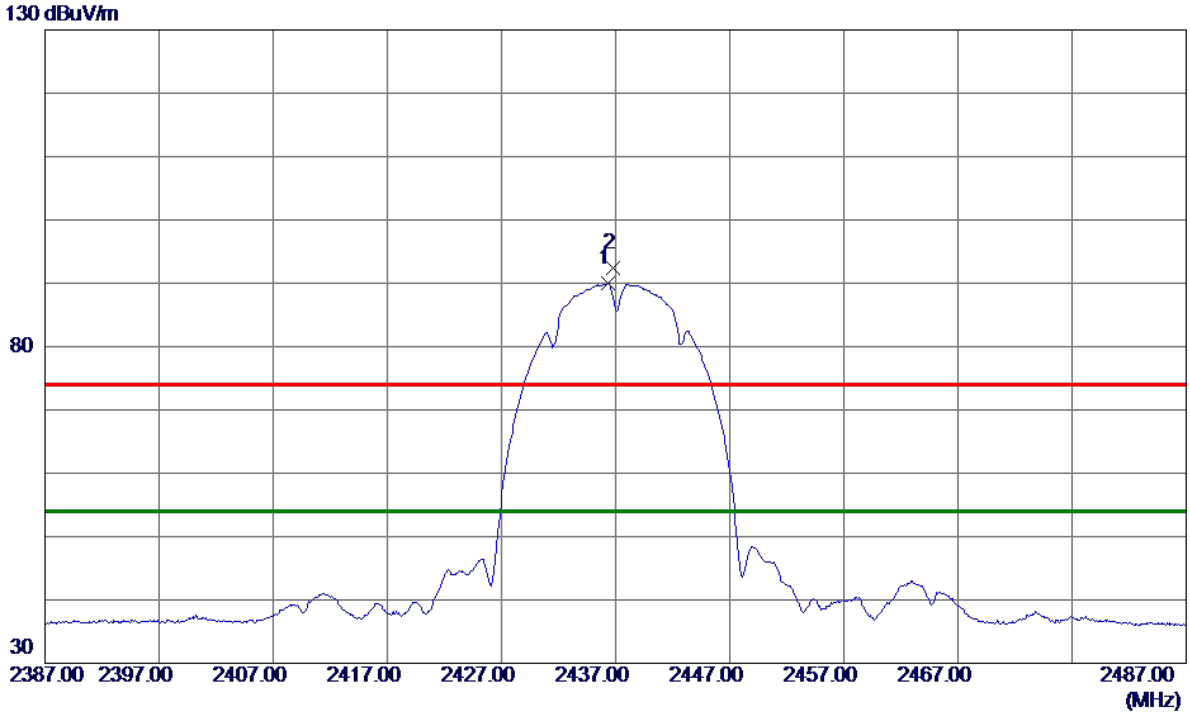
Orthogonal Axis	X
Test Mode:	TX B Mode 2437 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.0490	49.92	3.68	53.60	54.00	-0.40	AVG	
2	4874.0910	51.59	3.68	55.27	74.00	-18.73	Peak	

Orthogonal Axis	X
Test Mode:	TX B Mode 2437 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2436.3500	83.30	6.61	89.91	54.00	35.91	AVG	No Limit
2	2436.7500	85.76	6.61	92.37	74.00	18.37	Peak	No Limit

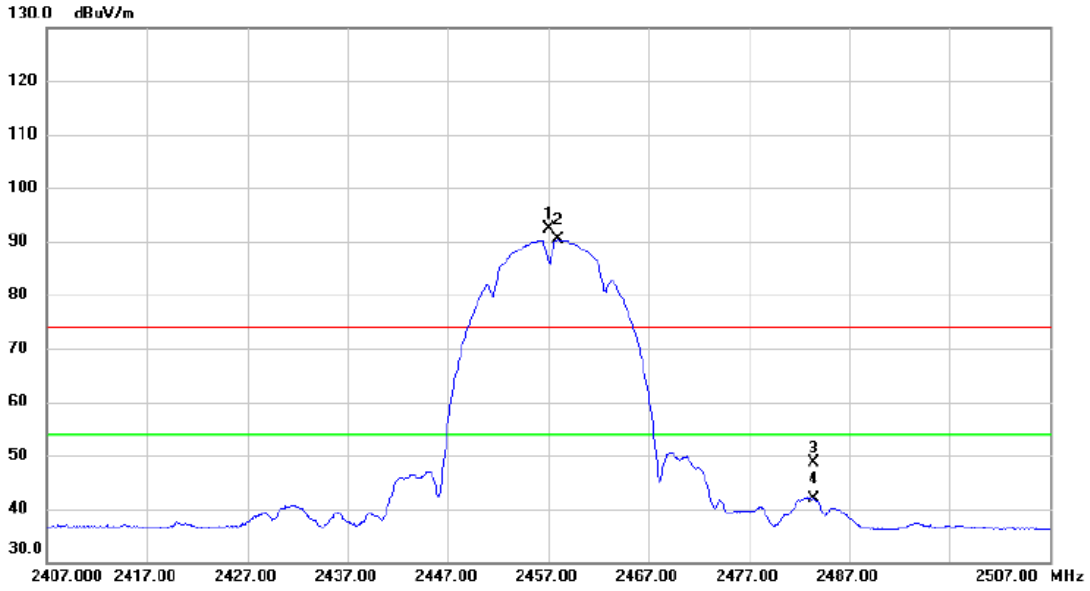
Orthogonal Axis	X
Test Mode:	TX B Mode 2437 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.1480	49.96	3.61	53.57	74.00	-20.43	Peak	
2 *	4874.2700	47.31	3.61	50.92	54.00	-3.08	AVG	

Orthogonal Axis :	X
Test Mode :	TX B Mode 2457MHz

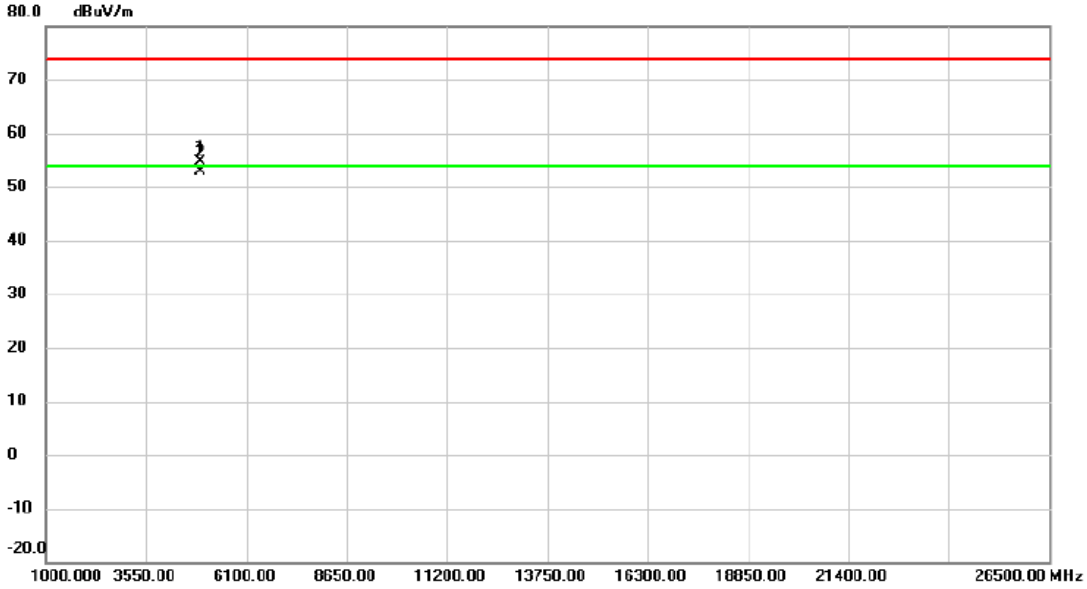
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2457.100	85.82	6.62	92.44	74.00	18.44	peak	No Limit
2	*	2458.000	83.66	6.62	90.28	54.00	36.28	AVG	No Limit
3		2483.500	41.91	6.61	48.52	74.00	-25.48	peak	
4		2483.500	35.16	6.61	41.77	54.00	-12.23	AVG	

Orthogonal Axis :	X
Test Mode :	TX B Mode 2457MHz

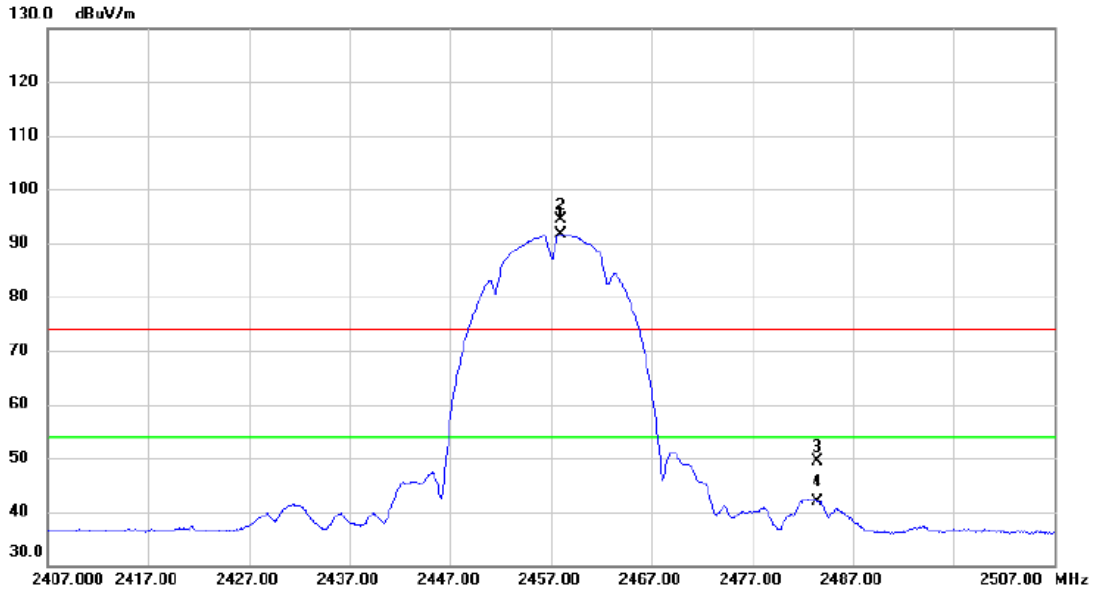
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4913.993	50.96	3.77	54.73	74.00	-19.27	peak	
2	*	4914.057	49.19	3.77	52.96	54.00	-1.04	AVG	

Orthogonal Axis :	X
Test Mode :	TX B Mode 2457MHz

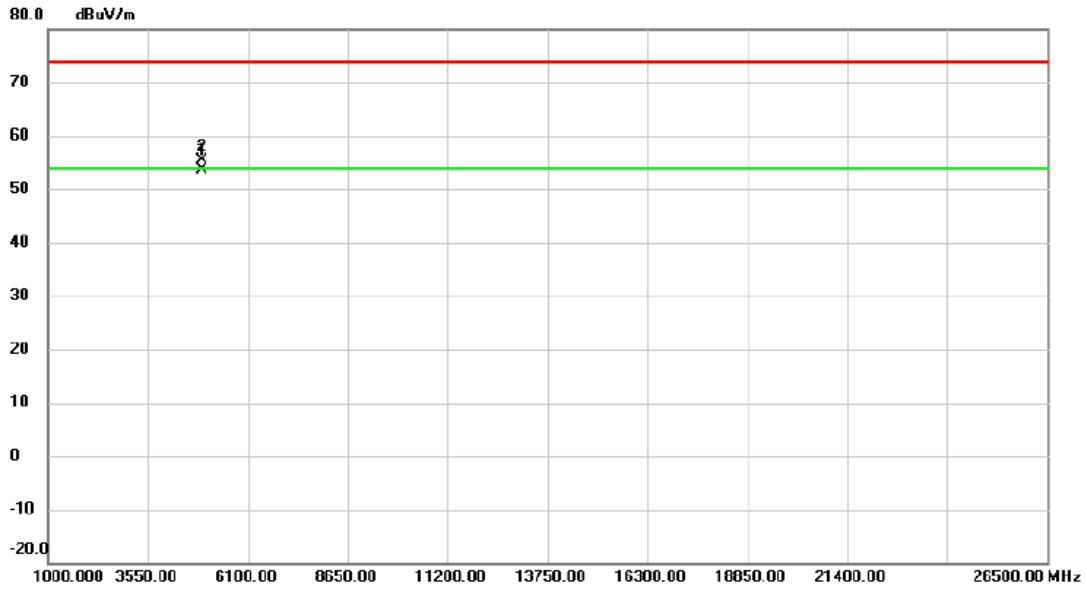
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2457.950	84.97	6.62	91.59	54.00	37.59	AVG	No Limit
2	X	2458.050	87.68	6.62	94.30	74.00	20.30	peak	No Limit
3		2483.500	42.69	6.61	49.30	74.00	-24.70	peak	
4		2483.500	35.23	6.61	41.84	54.00	-12.16	AVG	

Orthogonal Axis :	X
Test Mode :	TX B Mode2457MHz

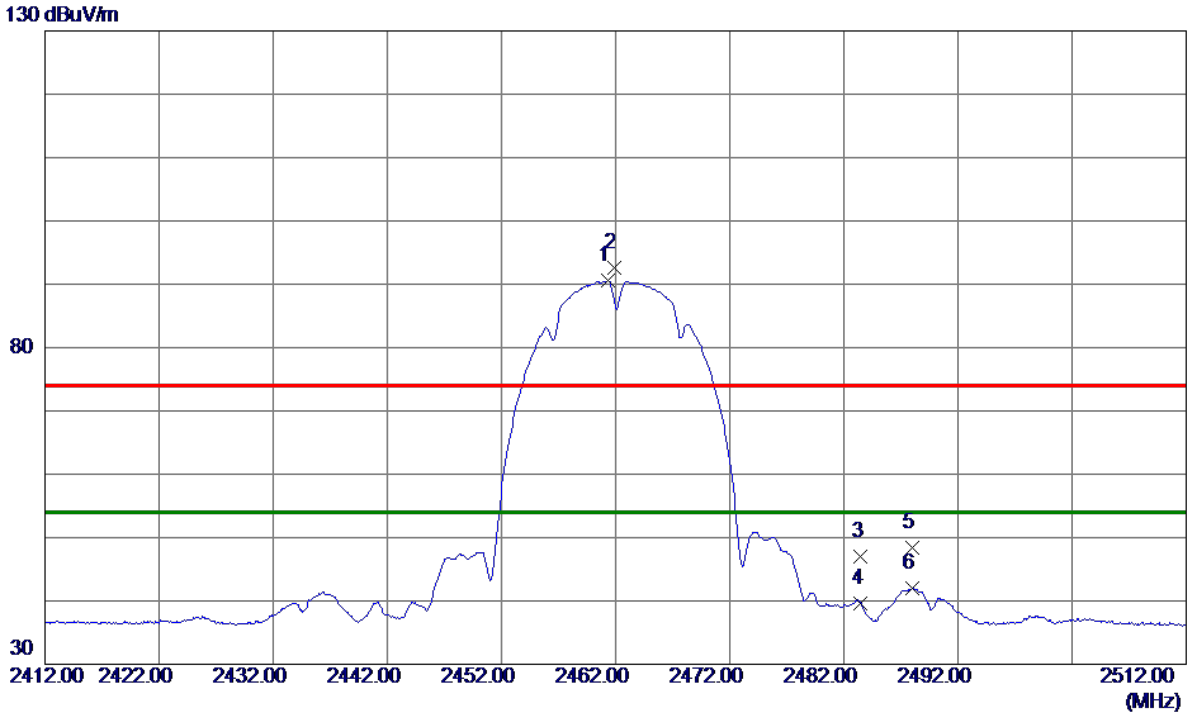
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4914.180	49.88	3.71	53.59	54.00	-0.41	AVG	
2		4914.235	51.69	3.71	55.40	74.00	-18.60	peak	

Orthogonal Axis	X
Test Mode:	TX B Mode 2462 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2461.3500	83.92	6.61	90.53	54.00	36.53	AVG	No Limit
2	2461.8500	85.93	6.61	92.54	74.00	18.54	Peak	No Limit
3	2483.5000	40.41	6.61	47.02	74.00	-26.98	Peak	
4	2483.5000	32.91	6.61	39.52	54.00	-14.48	AVG	
5	2488.0500	41.84	6.61	48.45	74.00	-25.55	Peak	
6	2488.0500	35.32	6.61	41.93	54.00	-12.07	AVG	

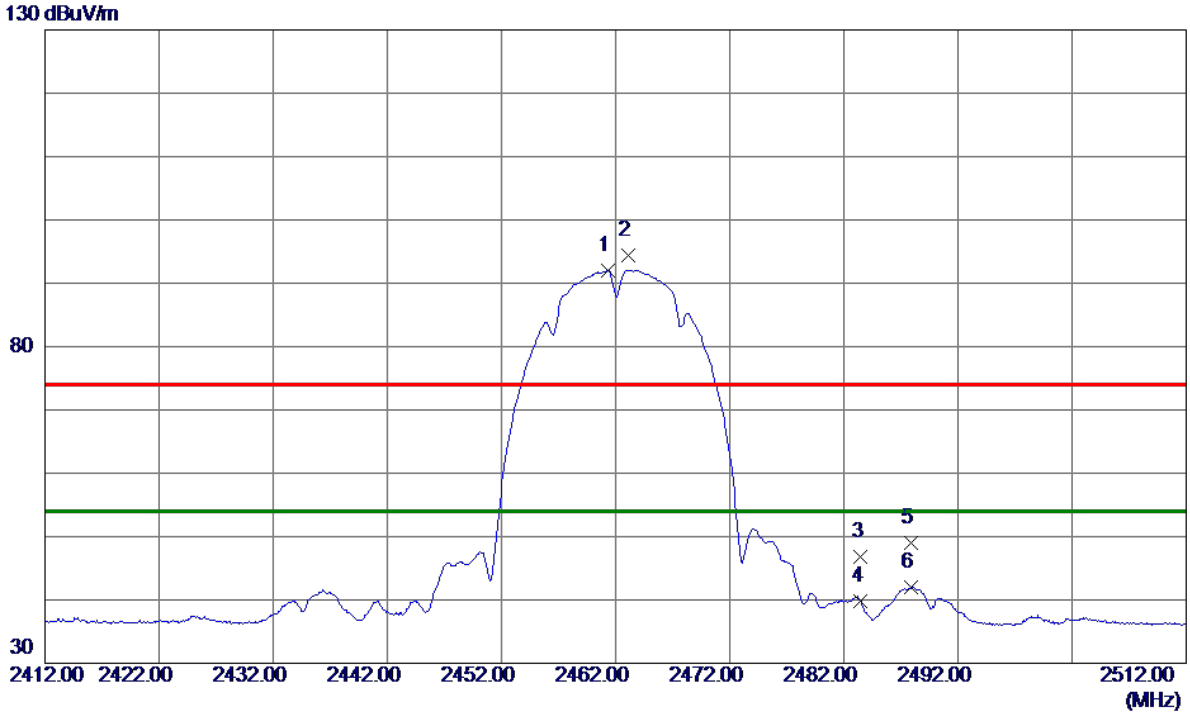
Orthogonal Axis	X
Test Mode:	TX B Mode 2462 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.0710	49.59	3.79	53.38	54.00	-0.62	AVG	
2	4924.0810	51.31	3.79	55.10	74.00	-18.90	Peak	

Orthogonal Axis	X
Test Mode:	TX B Mode 2462 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2461.3500	85.43	6.61	92.04	54.00	38.04	AVG	No Limit
2	2463.1000	87.73	6.61	94.34	74.00	20.34	Peak	No Limit
3	2483.5000	40.13	6.61	46.74	74.00	-27.26	Peak	
4	2483.5000	33.26	6.61	39.87	54.00	-14.13	AVG	
5	2487.8500	42.44	6.61	49.05	74.00	-24.95	Peak	
6	2487.8500	35.43	6.61	42.04	54.00	-11.96	AVG	

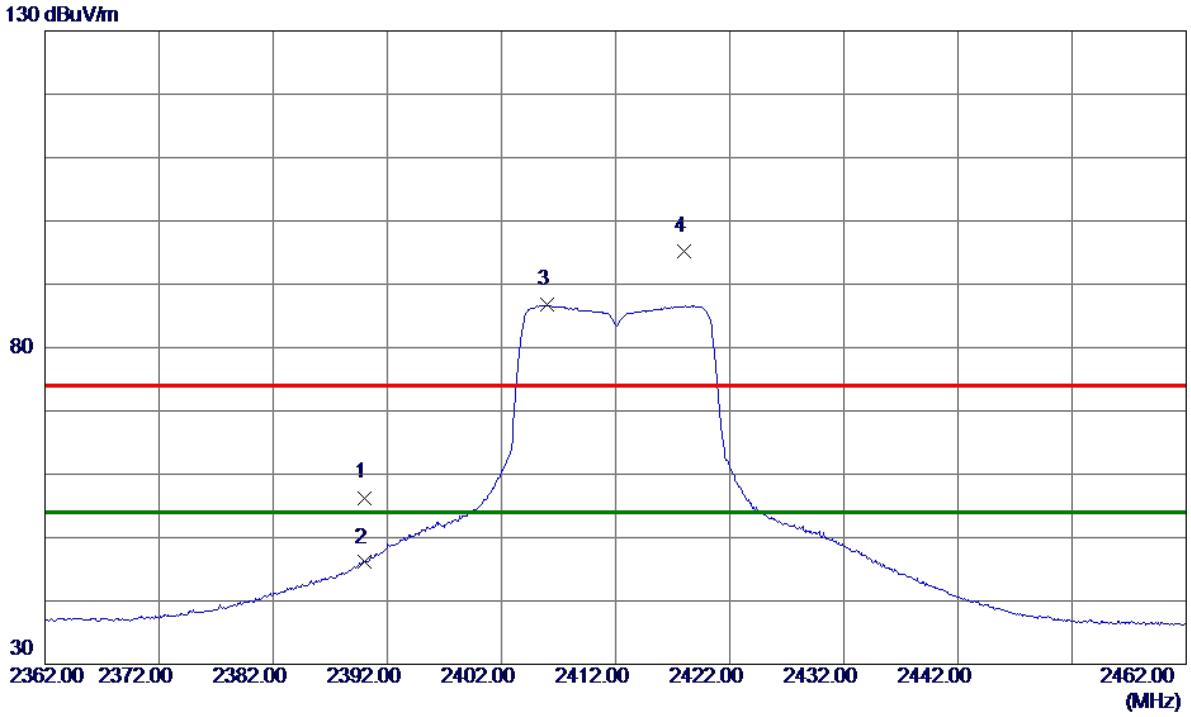
Orthogonal Axis	X
Test Mode:	TX B Mode 2462 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.2850	49.67	3.73	53.40	54.00	-0.60	AVG	
2	4924.4129	52.14	3.73	55.87	74.00	-18.13	Peak	

Orthogonal Axis	X
Test Mode:	TX G Mode 2412 MHz

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	49.68	6.62	56.30	74.00	-17.70	Peak	
2	2390.0000	39.48	6.62	46.10	54.00	-7.90	AVG	
3 *	2406.0500	80.09	6.62	86.71	54.00	32.71	AVG	No Limit
4	2418.0000	88.52	6.62	95.14	74.00	21.14	Peak	No Limit

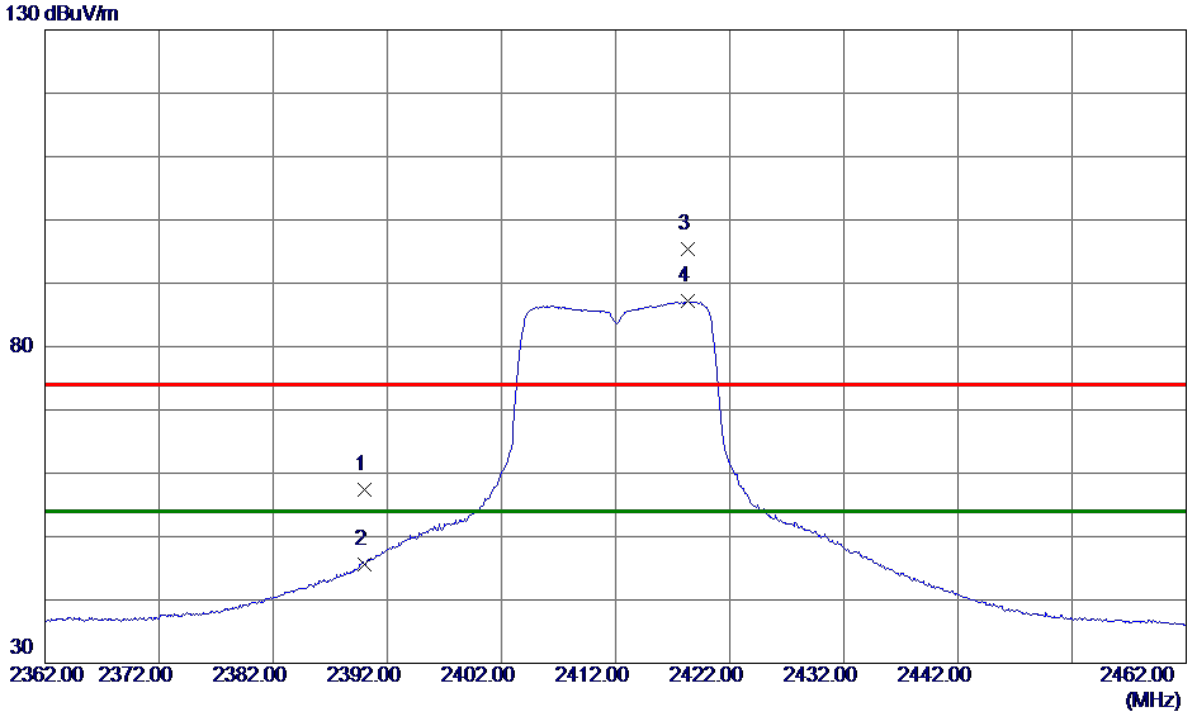
Orthogonal Axis	X
Test Mode:	TX G Mode 2412 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.4750	38.81	3.57	42.38	54.00	-11.62	AVG	
2	4824.6250	49.61	3.57	53.18	74.00	-20.82	Peak	

Orthogonal Axis	X
Test Mode:	TX G Mode 2412 MHz

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	50.87	6.62	57.49	74.00	-16.51	Peak	
2	2390.0000	39.03	6.62	45.65	54.00	-8.35	AVG	
3	2418.3000	88.86	6.62	95.48	74.00	21.48	Peak	No Limit
4 *	2418.3500	80.51	6.62	87.13	54.00	33.13	AVG	No Limit

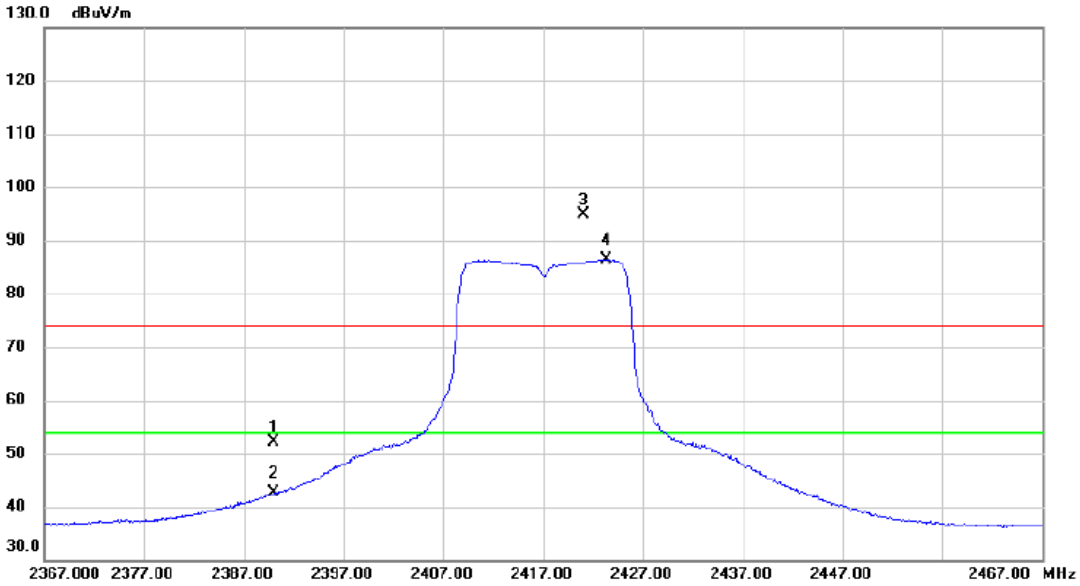
Orthogonal Axis	X
Test Mode:	TX G Mode 2412 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.9000	32.23	3.57	35.80	54.00	-18.20	AVG	
2	4825.6500	43.24	3.57	46.81	74.00	-27.19	Peak	

Orthogonal Axis :	X
Test Mode :	TX G Mode 2417MHz

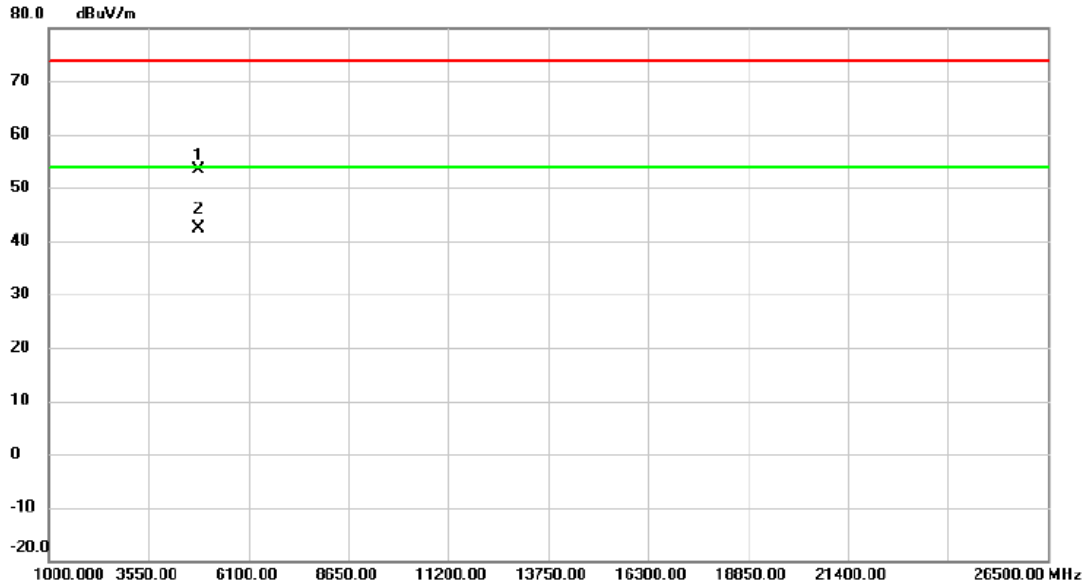
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	45.61	6.62	52.23	74.00	-21.77	peak	
2		2390.000	35.89	6.62	42.51	54.00	-11.49	AVG	
3	X	2421.000	88.16	6.62	94.78	74.00	20.78	peak	No Limit
4	*	2423.350	79.85	6.62	86.47	54.00	32.47	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX G Mode 2417MHz

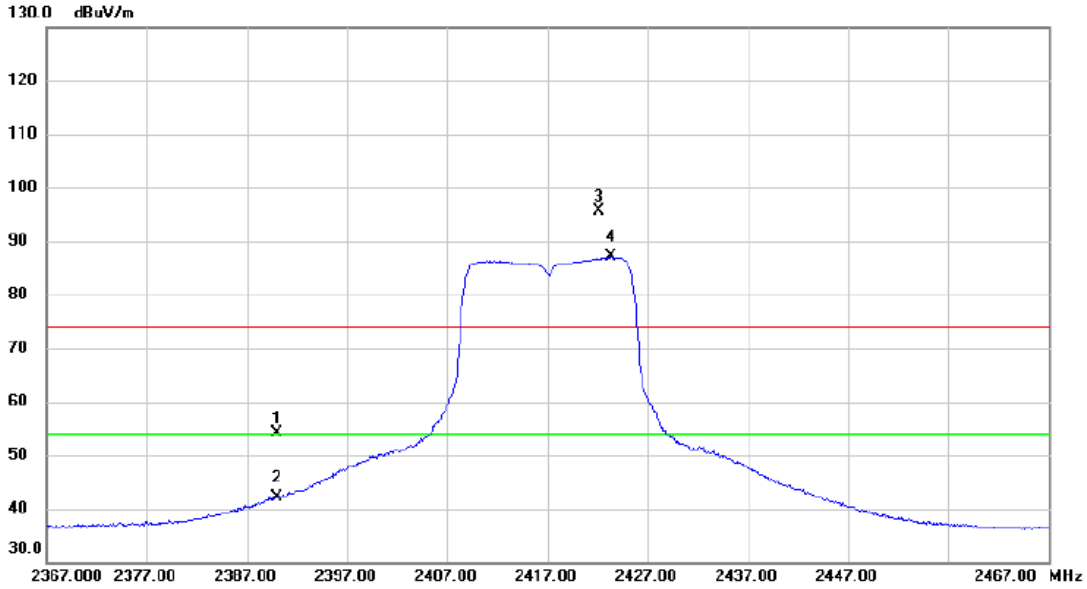
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4833.050	49.74	3.59	53.33	74.00	-20.67	peak	
2	*	4834.075	38.68	3.59	42.27	54.00	-11.73	AVG	

Orthogonal Axis :	X
Test Mode :	TX G Mode 2417MHz

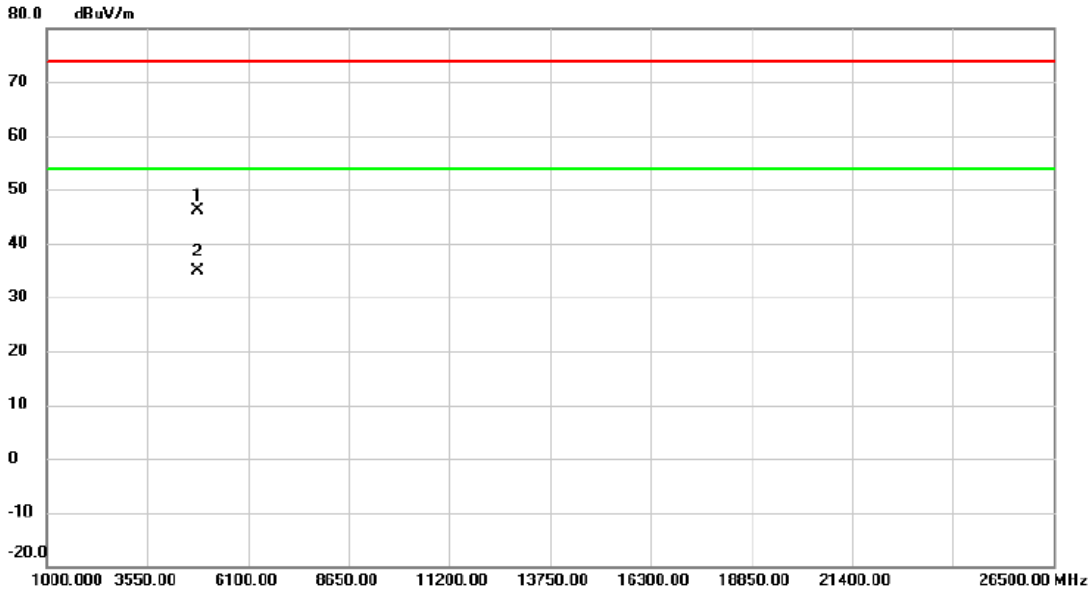
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	47.48	6.62	54.10	74.00	-19.90	peak	
2		2390.000	35.53	6.62	42.15	54.00	-11.85	AVG	
3	X	2422.200	89.03	6.62	95.65	74.00	21.65	peak	No Limit
4	*	2423.300	80.43	6.62	87.05	54.00	33.05	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX G Mode 2417MHz

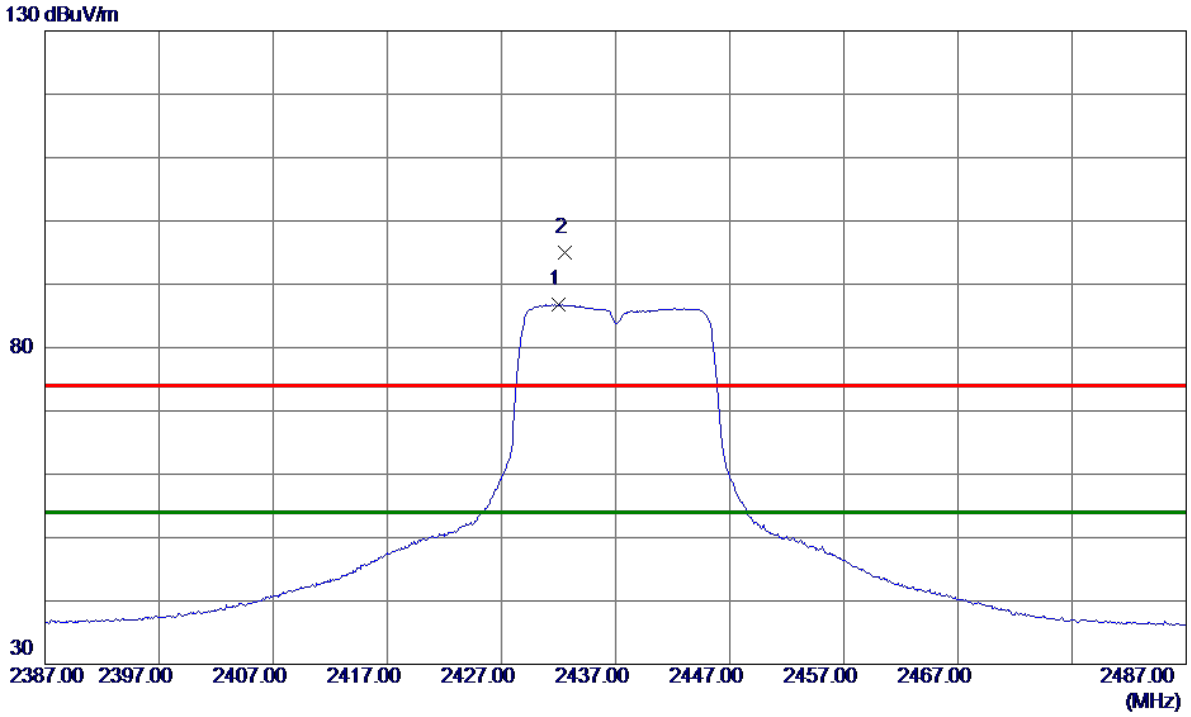
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4831.875	42.44	3.59	46.03	74.00	-27.97	peak	
2	*	4834.400	31.41	3.59	35.00	54.00	-19.00	AVG	

Orthogonal Axis	X
Test Mode:	TX G Mode 2437 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2432.0500	80.12	6.62	86.74	54.00	32.74	AVG	No Limit
2	2432.6000	88.41	6.62	95.03	74.00	21.03	Peak	No Limit

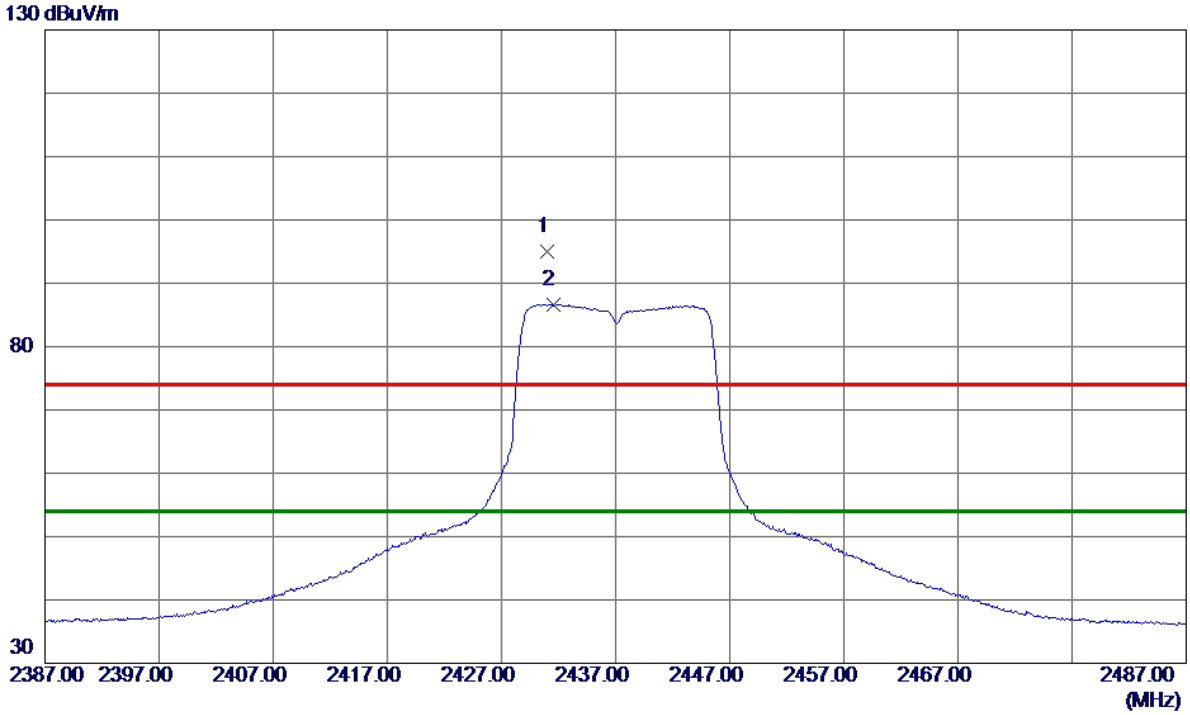
Orthogonal Axis	X
Test Mode:	TX G Mode 2437 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4870.4500	48.72	3.67	52.39	74.00	-21.61	Peak	
2 *	4874.6750	37.10	3.68	40.78	54.00	-13.22	AVG	

Orthogonal Axis	X
Test Mode:	TX G Mode 2437 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2431.0500	88.34	6.62	94.96	74.00	20.96	Peak	No Limit
2 *	2431.5000	80.02	6.62	86.64	54.00	32.64	AVG	No Limit

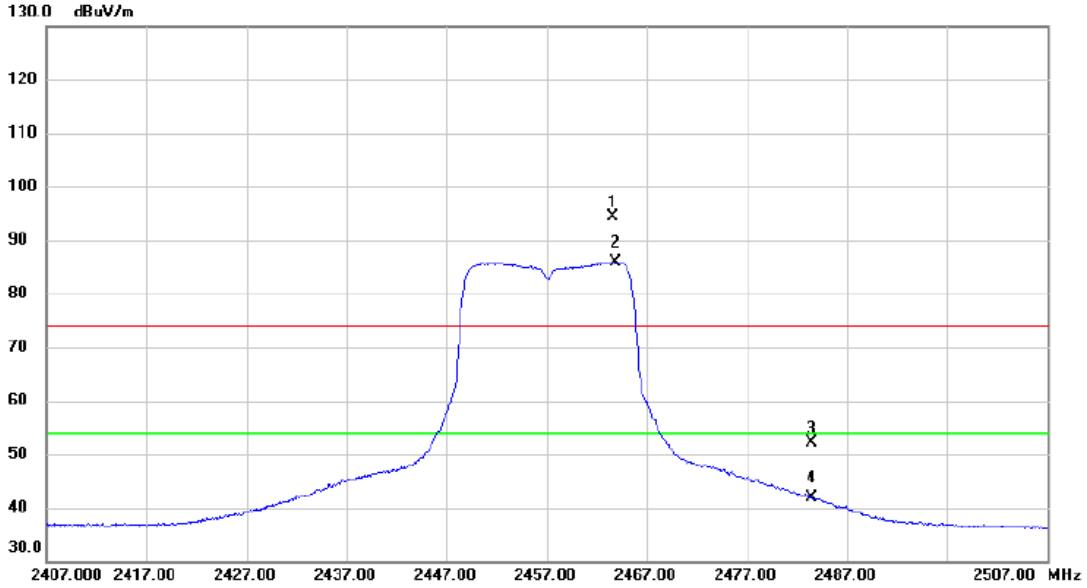
Orthogonal Axis	X
Test Mode:	TX G Mode 2437 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4875.0500	31.78	3.68	35.46	54.00	-18.54	AVG	
2	4876.8250	42.18	3.69	45.87	74.00	-28.13	Peak	

Orthogonal Axis :	X
Test Mode :	TX G Mode 2457MHz

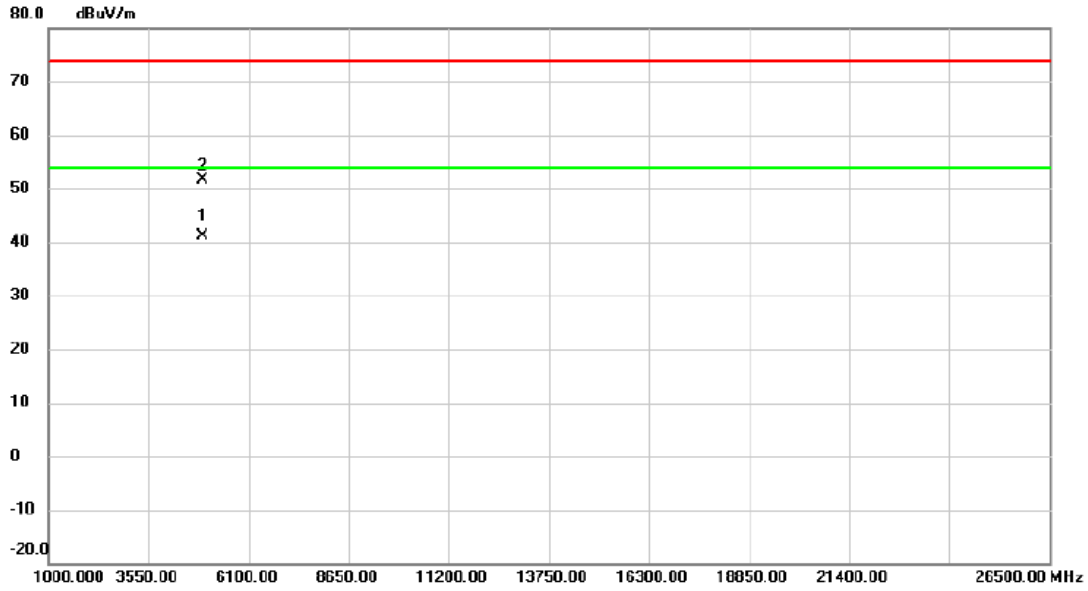
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2463.650	87.77	6.61	94.38	74.00	20.38	peak	No Limit
2	*	2463.850	79.22	6.61	85.83	54.00	31.83	AVG	No Limit
3		2483.500	45.59	6.61	52.20	74.00	-21.80	peak	
4		2483.500	35.39	6.61	42.00	54.00	-12.00	AVG	

Orthogonal Axis :	X
Test Mode :	TX G Mode 2457MHz

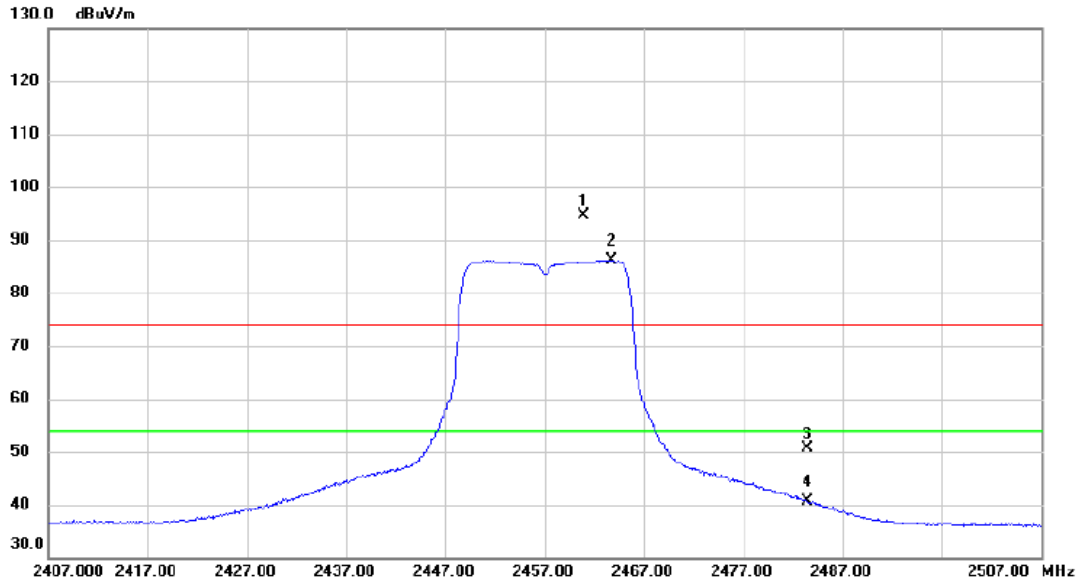
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4914.150	37.27	3.77	41.04	54.00	-12.96	AVG	
2		4914.450	47.88	3.77	51.65	74.00	-22.35	peak	

Orthogonal Axis :	X
Test Mode :	TX G Mode 2457MHz

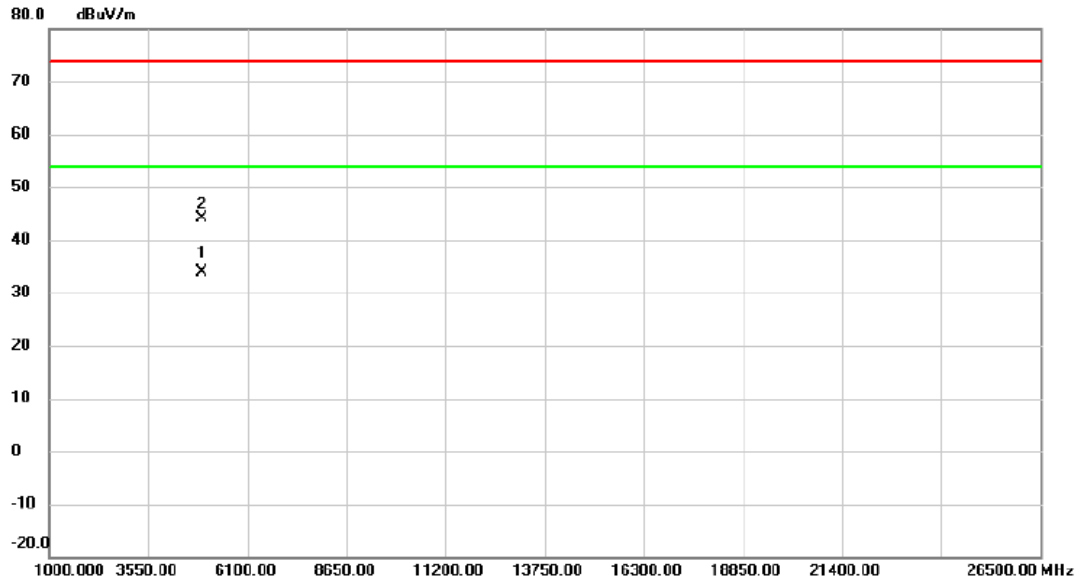
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2460.950	87.94	6.61	94.55	74.00	20.55	peak	No Limit
2	*	2463.750	79.62	6.61	86.23	54.00	32.23	AVG	No Limit
3		2483.500	44.09	6.61	50.70	74.00	-23.30	peak	
4		2483.500	34.12	6.61	40.73	54.00	-13.27	AVG	

Orthogonal Axis :	X
Test Mode :	TX G Mode 2457MHz

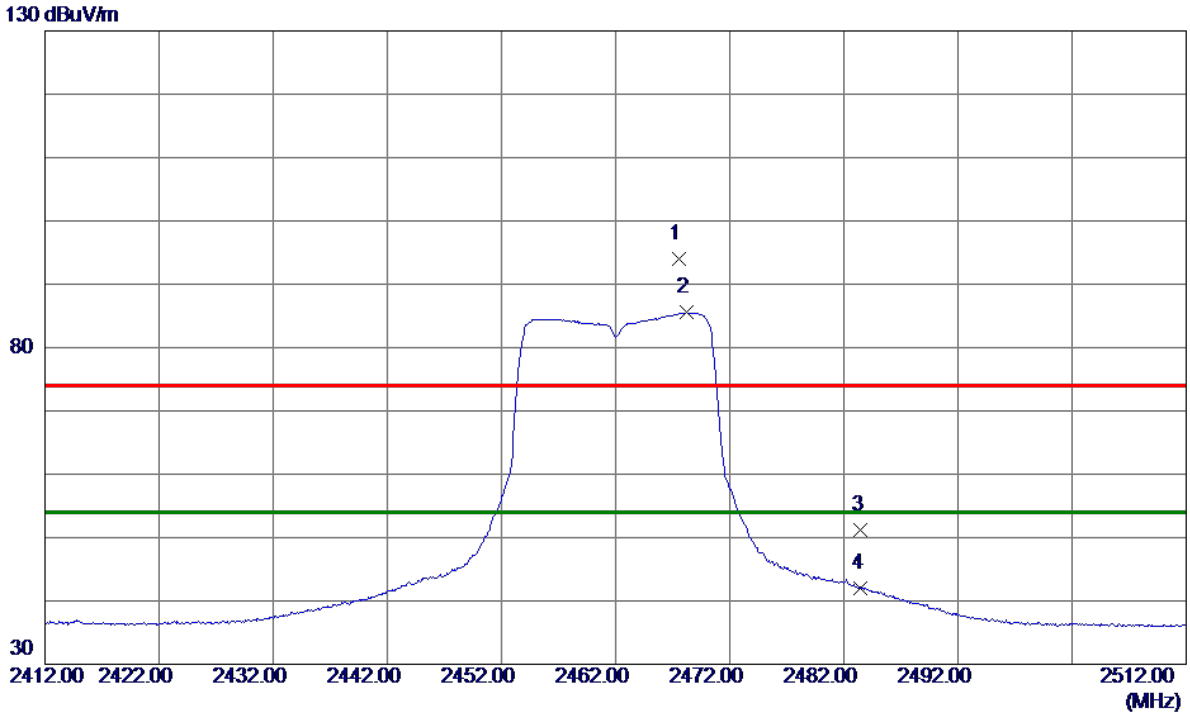
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4912.525	30.19	3.76	33.95	54.00	-20.05	AVG	
2		4913.400	40.35	3.76	44.11	74.00	-29.89	peak	

Orthogonal Axis	X
Test Mode:	TX G Mode 2462 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2467.5500	87.41	6.61	94.02	74.00	20.02	Peak	No Limit
2 *	2468.2500	78.91	6.61	85.52	54.00	31.52	AVG	No Limit
3	2483.5000	44.57	6.61	51.18	74.00	-22.82	Peak	
4	2483.5000	35.41	6.61	42.02	54.00	-11.98	AVG	

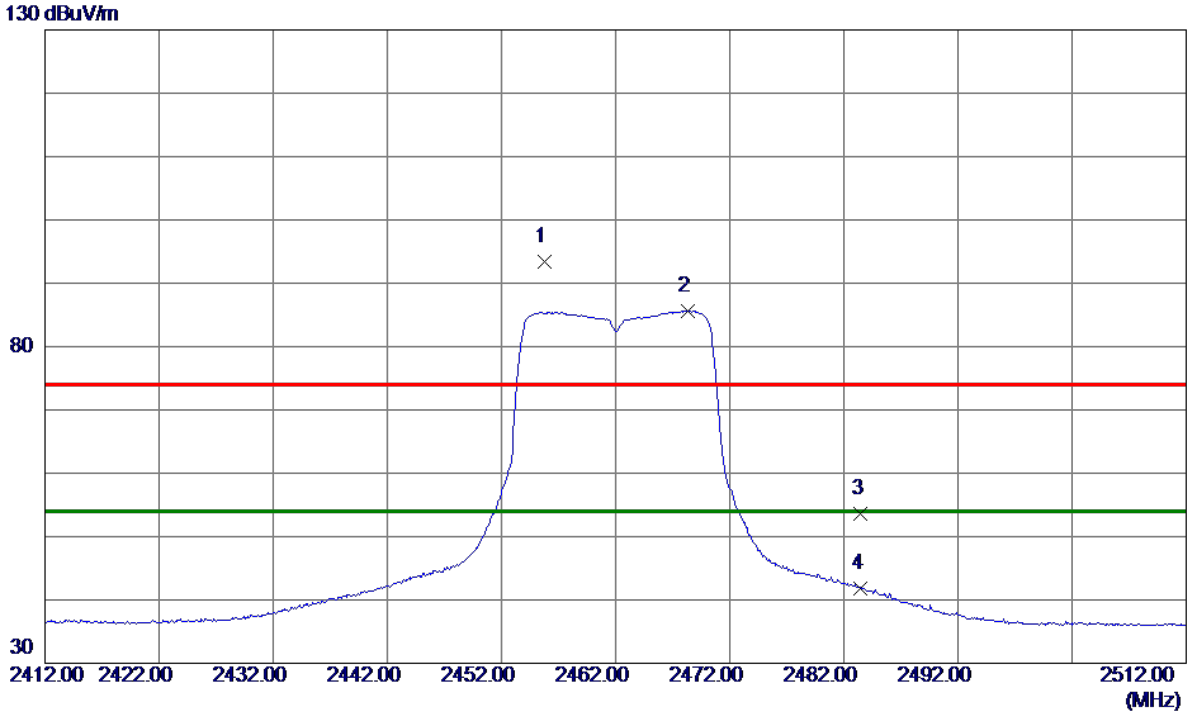
Orthogonal Axis	X
Test Mode:	TX G Mode 2462 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4913.4000	45.95	3.77	49.72	74.00	-24.28	Peak	
2 *	4923.6500	34.98	3.79	38.77	54.00	-15.23	AVG	

Orthogonal Axis	X
Test Mode:	TX G Mode 2462 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2455.7500	86.75	6.61	93.36	74.00	19.36	Peak	No Limit
2 *	2468.3000	79.04	6.61	85.65	54.00	31.65	AVG	No Limit
3	2483.5000	46.95	6.61	53.56	74.00	-20.44	Peak	
4	2483.5000	35.22	6.61	41.83	54.00	-12.17	AVG	

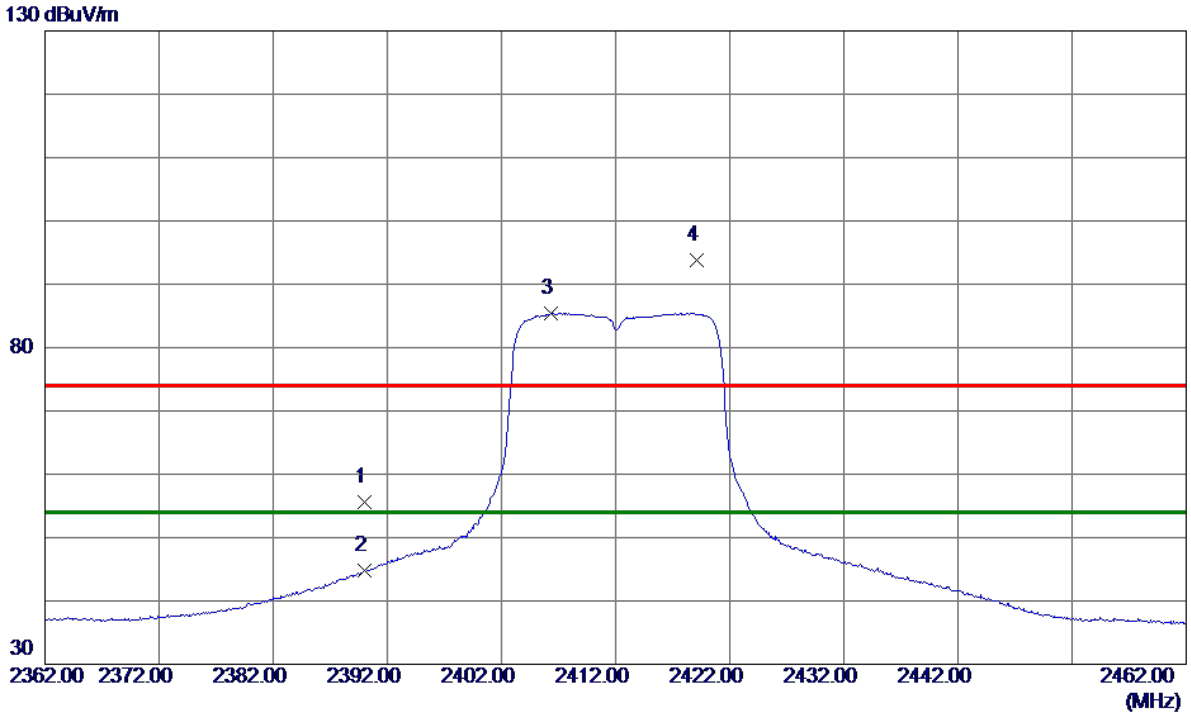
Orthogonal Axis	X
Test Mode:	TX G Mode 2462 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.0000	29.66	3.79	33.45	54.00	-20.55	AVG	
2	4926.6750	40.59	3.80	44.39	74.00	-29.61	Peak	

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

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	48.91	6.62	55.53	74.00	-18.47	Peak	
2	2390.0000	38.16	6.62	44.78	54.00	-9.22	AVG	
3 *	2406.3500	78.80	6.62	85.42	54.00	31.42	AVG	No Limit
4	2419.1000	87.25	6.62	93.87	74.00	19.87	Peak	No Limit

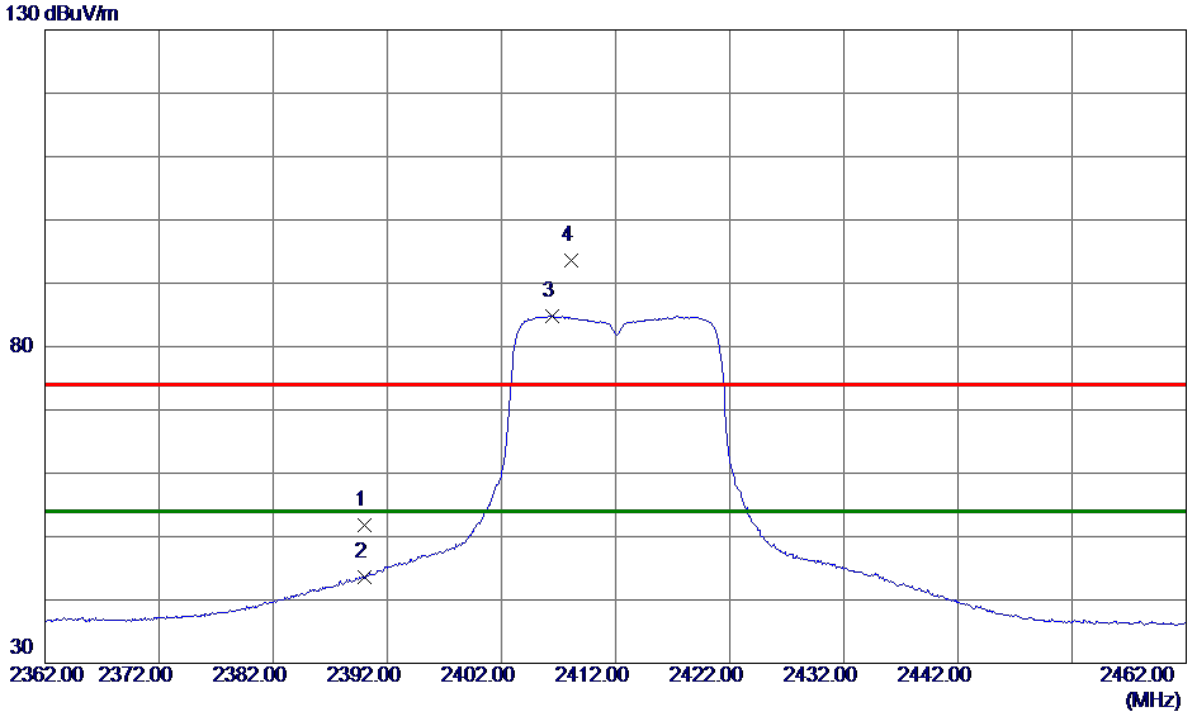
Orthogonal Axis	X
Test Mode:	TX N-20M Mode 2412 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.8500	38.35	3.57	41.92	54.00	-12.08	AVG	
2	4828.3250	49.66	3.58	53.24	74.00	-20.76	Peak	

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

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	45.24	6.62	51.86	74.00	-22.14	Peak	
2	2390.0000	37.05	6.62	43.67	54.00	-10.33	AVG	
3 *	2406.4000	78.23	6.62	84.85	54.00	30.85	AVG	No Limit
4	2408.1000	86.98	6.62	93.60	74.00	19.60	Peak	No Limit

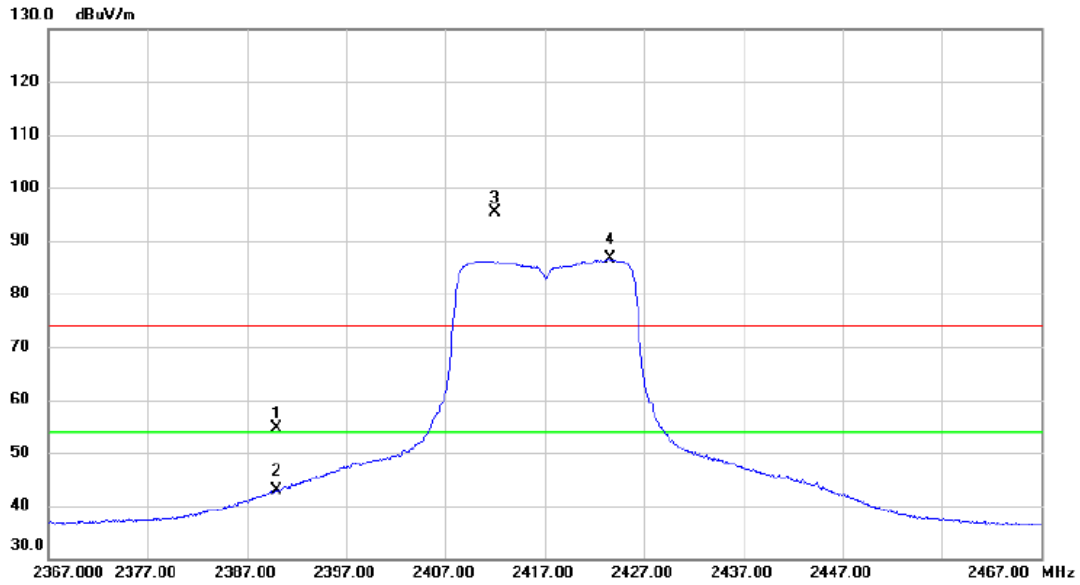
Orthogonal Axis	X
Test Mode:	TX N-20M Mode 2412 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.4500	35.38	3.57	38.95	54.00	-15.05	AVG	
2	4828.4000	45.91	3.58	49.49	74.00	-24.51	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M Mode 2417MHz

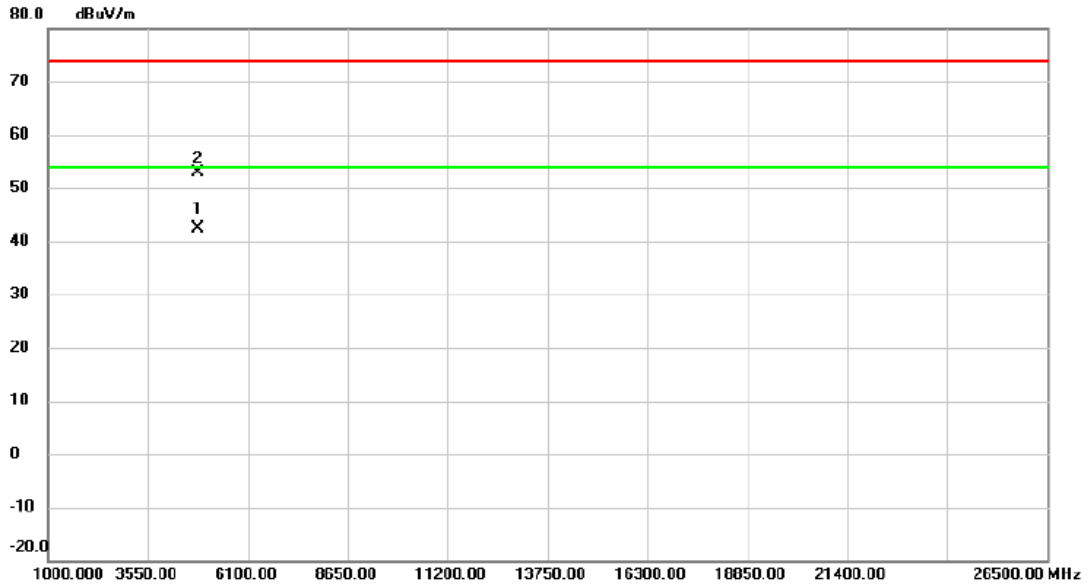
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	48.00	6.62	54.62	74.00	-19.38	peak	
2		2390.000	36.35	6.62	42.97	54.00	-11.03	AVG	
3	X	2411.950	88.69	6.62	95.31	74.00	21.31	peak	No Limit
4	*	2423.600	79.98	6.62	86.60	54.00	32.60	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M Mode 2417MHz

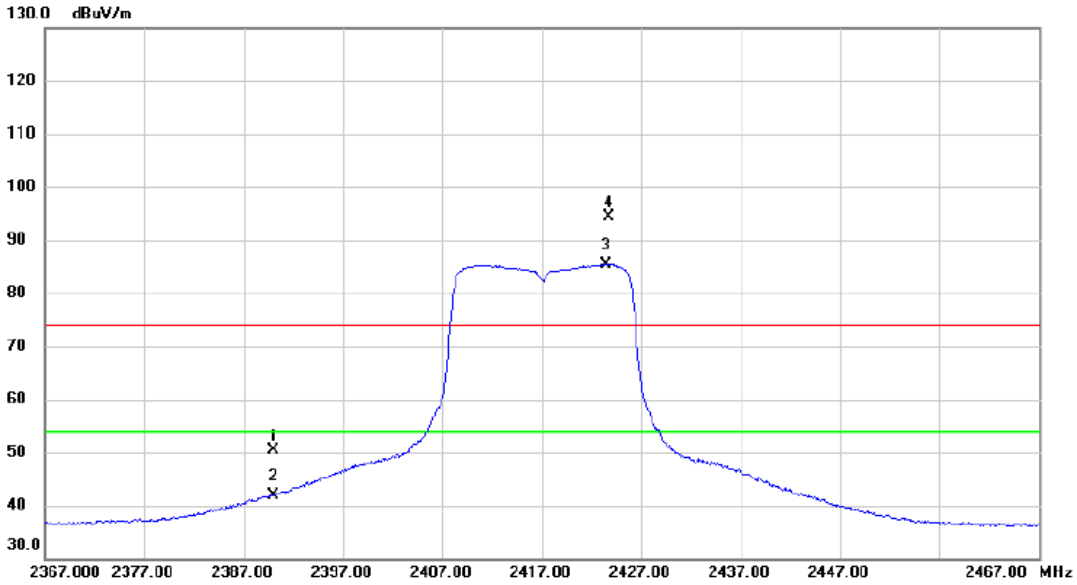
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4833.375	38.82	3.59	42.41	54.00	-11.59	AVG	
2		4835.075	49.22	3.59	52.81	74.00	-21.19	peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M Mode 2417MHz

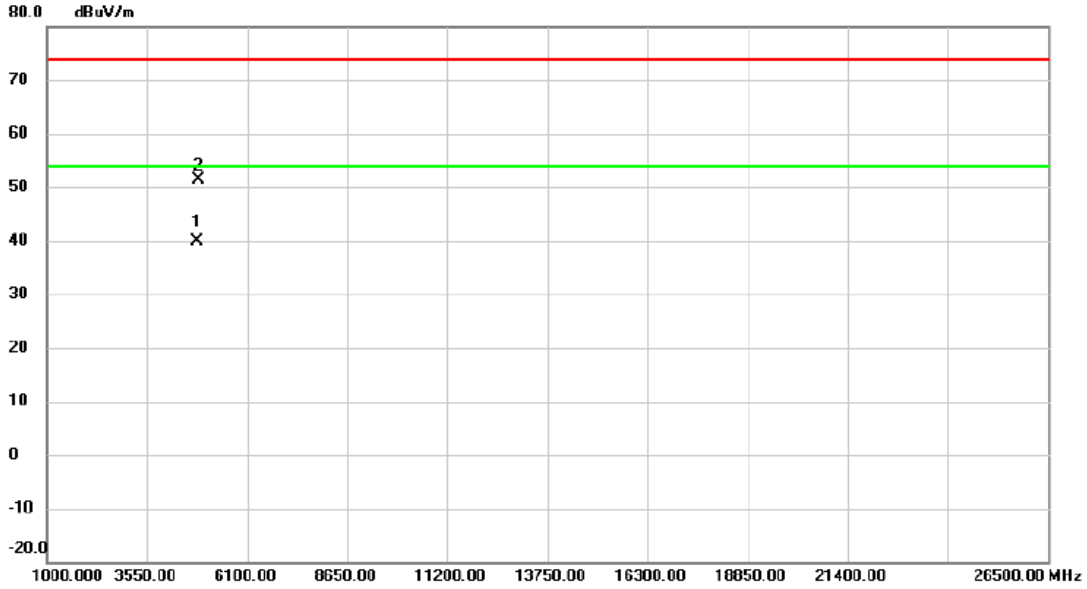
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	43.83	6.62	50.45	74.00	-23.55	peak	
2		2390.000	35.30	6.62	41.92	54.00	-12.08	AVG	
3	*	2423.450	78.79	6.62	85.41	54.00	31.41	AVG	No Limit
4	X	2423.700	87.85	6.62	94.47	74.00	20.47	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M Mode 2417MHz

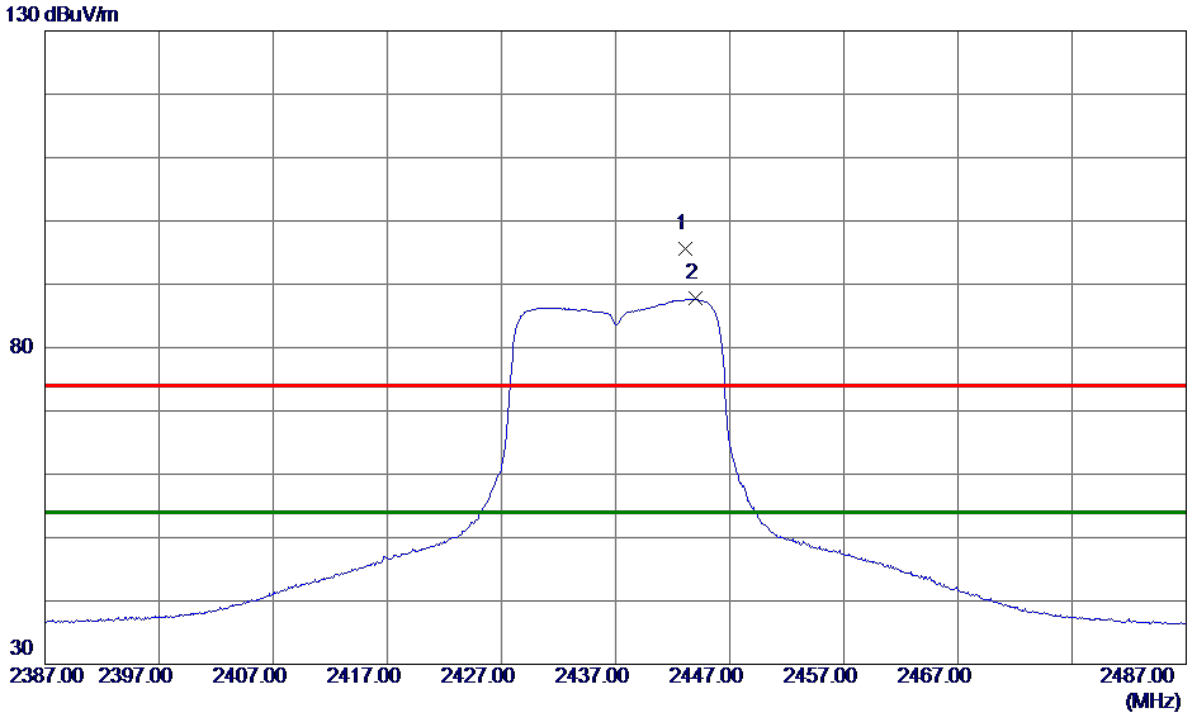
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4834.775	36.26	3.59	39.85	54.00	-14.15	AVG	
2		4842.350	47.67	3.62	51.29	74.00	-22.71	peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2443.1500	89.02	6.61	95.63	74.00	21.63	Peak	No Limit
2 *	2444.0000	81.10	6.61	87.71	54.00	33.71	AVG	No Limit

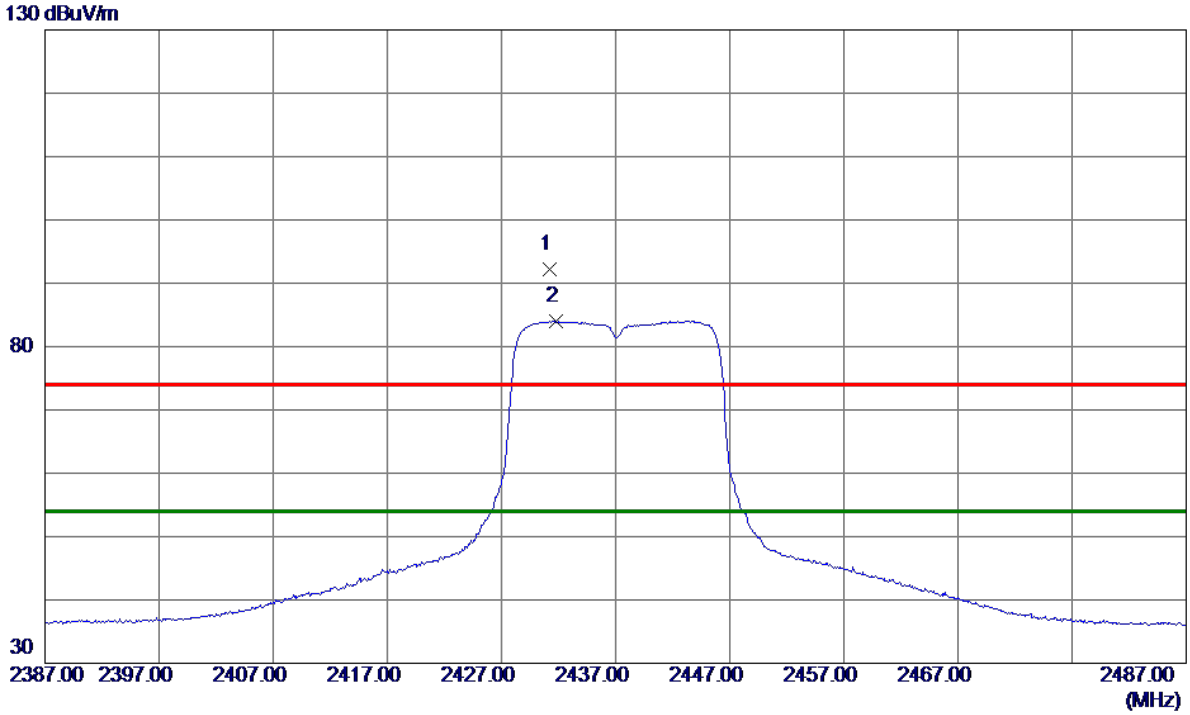
Orthogonal Axis	X
Test Mode:	TX N-20M Mode 2437 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872.1500	47.13	3.68	50.81	74.00	-23.19	Peak	
2 *	4873.1750	36.37	3.68	40.05	54.00	-13.95	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2431.2000	85.52	6.62	92.14	74.00	18.14	Peak	No Limit
2 *	2431.7500	77.40	6.62	84.02	54.00	30.02	AVG	No Limit

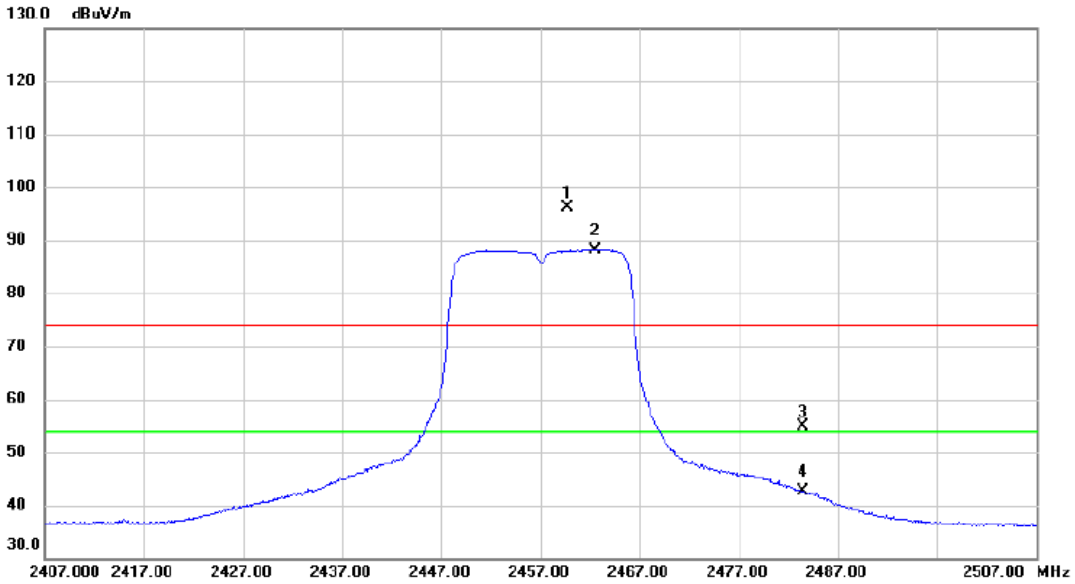
Orthogonal Axis	X
Test Mode:	TX N-20M Mode 2437 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872.4750	47.06	3.68	50.74	74.00	-23.26	Peak	
2 *	4873.7250	35.88	3.68	39.56	54.00	-14.44	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M Mode 2457MHz

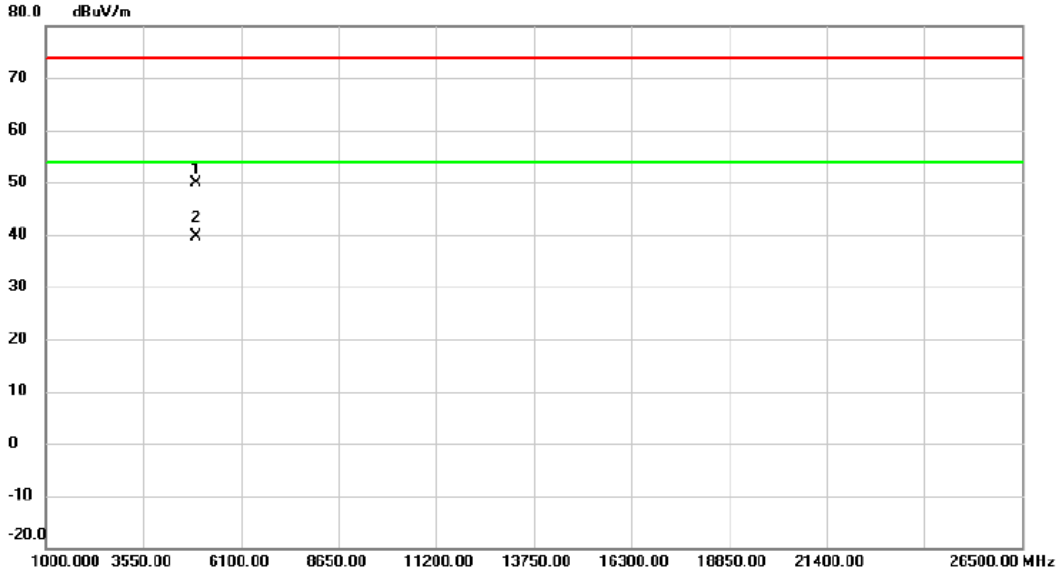
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2459.750	89.46	6.62	96.08	74.00	22.08	peak	No Limit
2	*	2462.500	81.64	6.61	88.25	54.00	34.25	AVG	No Limit
3		2483.500	48.15	6.61	54.76	74.00	-19.24	peak	
4		2483.500	36.05	6.61	42.66	54.00	-11.34	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M Mode 2457MHz

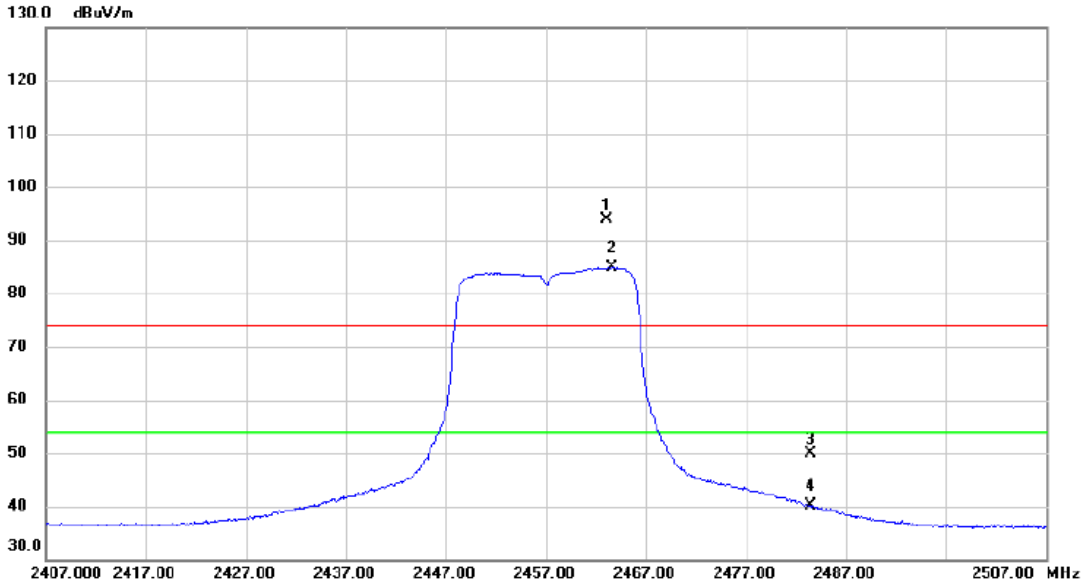
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4912.650	46.16	3.76	49.92	74.00	-24.08	peak	
2	*	4913.550	35.93	3.76	39.69	54.00	-14.31	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M Mode 2457MHz

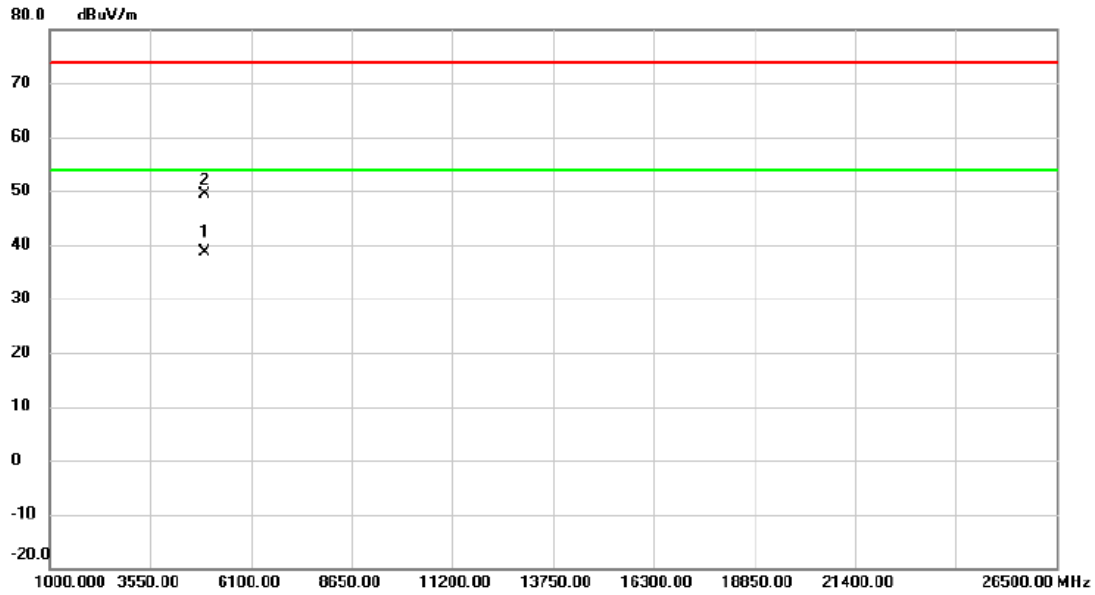
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2463.000	87.39	6.61	94.00	74.00	20.00	peak	No Limit
2	*	2463.650	78.29	6.61	84.90	54.00	30.90	AVG	No Limit
3		2483.500	43.18	6.61	49.79	74.00	-24.21	peak	
4		2483.500	33.42	6.61	40.03	54.00	-13.97	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M Mode 2457MHz

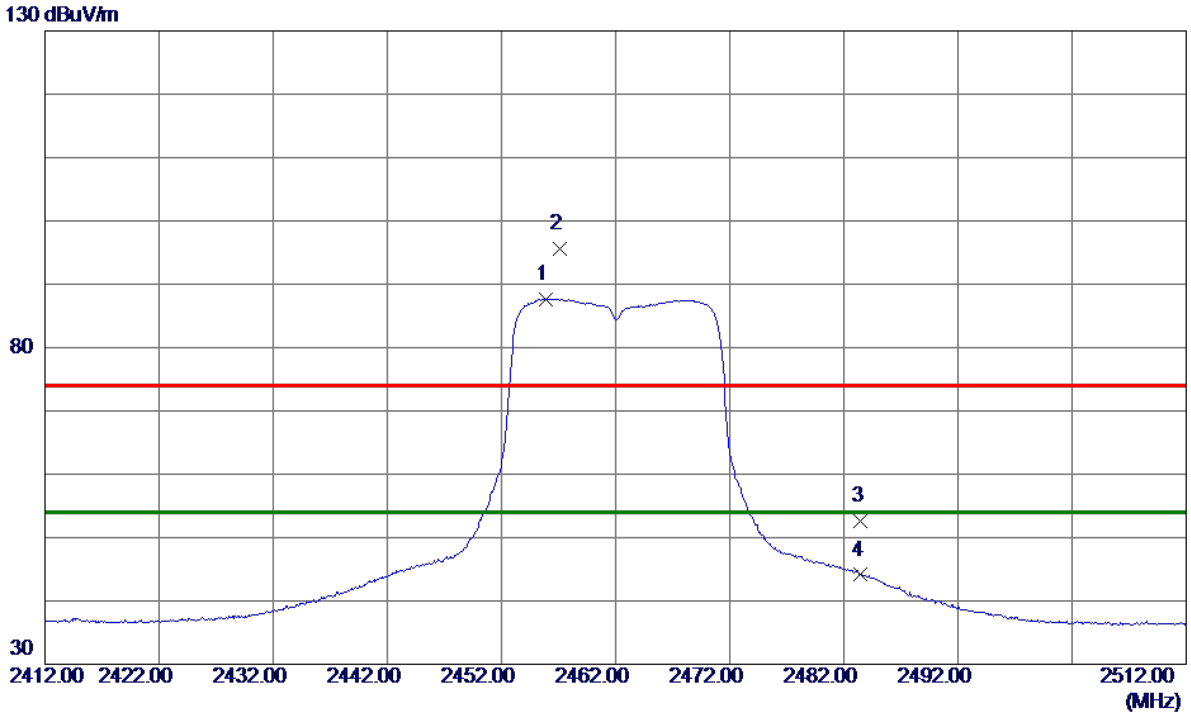
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4913.400	34.94	3.76	38.70	54.00	-15.30	AVG	
2		4914.350	45.67	3.77	49.44	74.00	-24.56	peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2455.8500	81.01	6.61	87.62	54.00	33.62	AVG	No Limit
2	2457.1000	89.08	6.61	95.69	74.00	21.69	Peak	No Limit
3	2483.5000	46.01	6.61	52.62	74.00	-21.38	Peak	
4	2483.5000	37.49	6.61	44.10	54.00	-9.90	AVG	

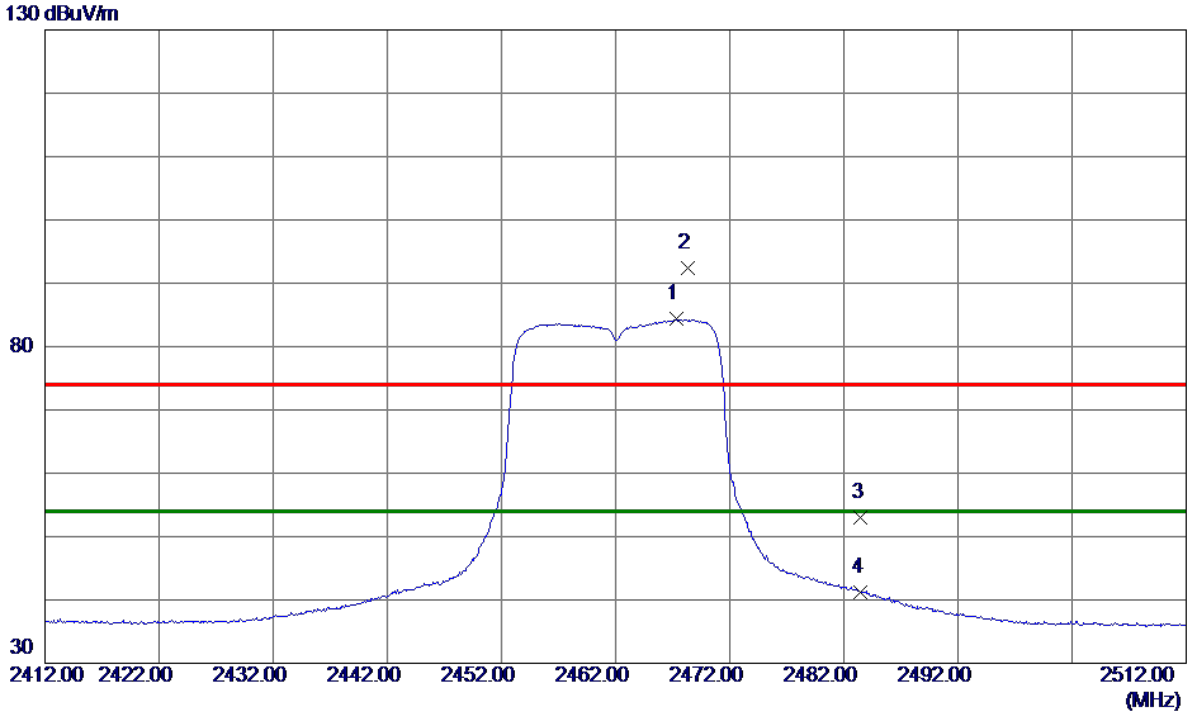
Orthogonal Axis	X
Test Mode:	TX N-20M Mode 2462 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4922.4250	45.86	3.79	49.65	74.00	-24.35	Peak	
2 *	4922.6500	34.69	3.79	38.48	54.00	-15.52	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2467.3500	77.70	6.61	84.31	54.00	30.31	AVG	No Limit
2	2468.3000	85.87	6.61	92.48	74.00	18.48	Peak	No Limit
3	2483.5000	46.36	6.61	52.97	74.00	-21.03	Peak	
4	2483.5000	34.61	6.61	41.22	54.00	-12.78	AVG	

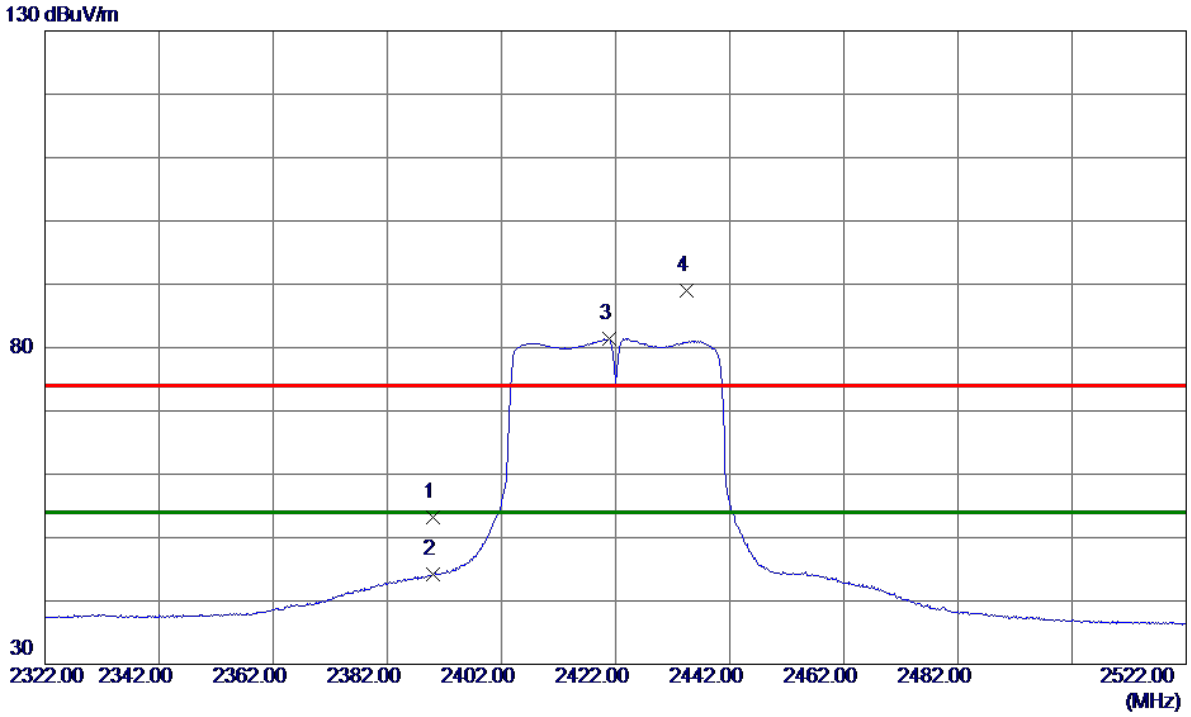
Orthogonal Axis	X
Test Mode:	TX N-20M Mode 2462 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4922.8500	33.52	3.79	37.31	54.00	-16.69	AVG	
2	4923.5250	44.81	3.79	48.60	74.00	-25.40	Peak	

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	46.60	6.62	53.22	74.00	-20.78	Peak	
2	2390.0000	37.52	6.62	44.14	54.00	-9.86	AVG	
3 *	2420.8000	74.77	6.62	81.39	54.00	27.39	AVG	No Limit
4	2434.4000	82.43	6.61	89.04	74.00	15.04	Peak	No Limit

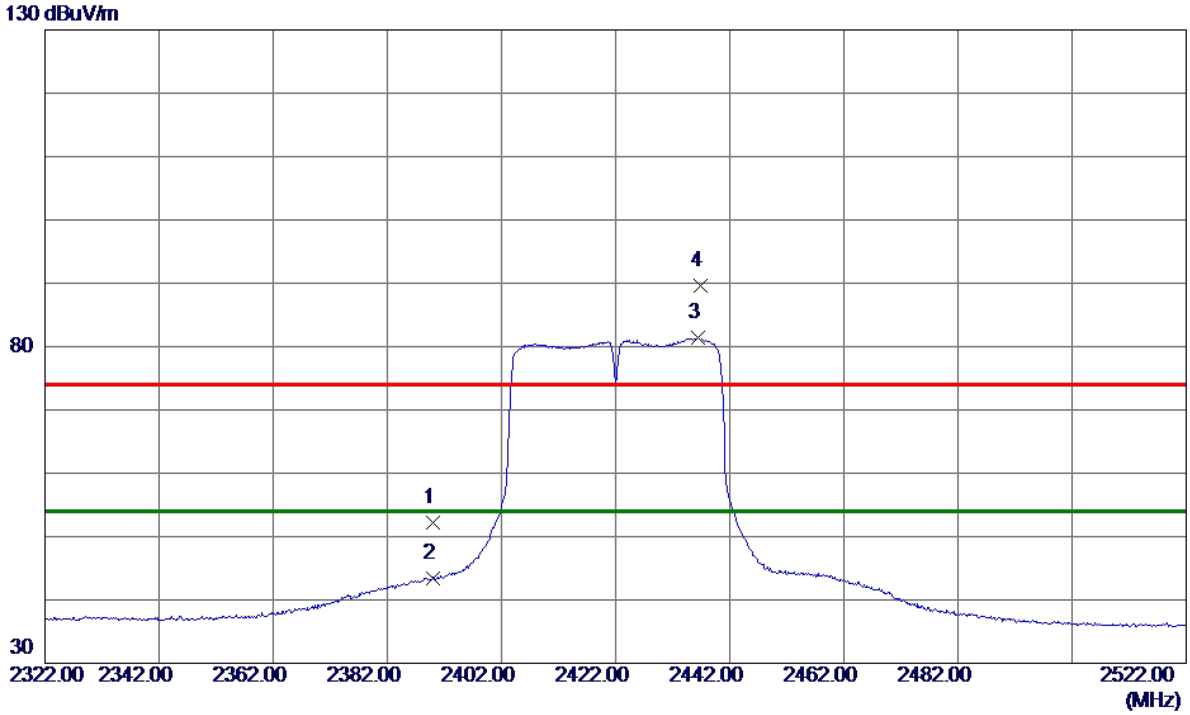
Orthogonal Axis	X
Test Mode:	TX N-40M Mode 2422MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4842.2000	33.43	3.61	37.04	54.00	-16.96	AVG	
2	4842.9250	44.72	3.61	48.33	74.00	-25.67	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	45.63	6.62	52.25	74.00	-21.75	Peak	
2	2390.0000	36.76	6.62	43.38	54.00	-10.62	AVG	
3 *	2436.5000	74.70	6.61	81.31	54.00	27.31	AVG	No Limit
4	2436.9000	82.94	6.61	89.55	74.00	15.55	Peak	No Limit

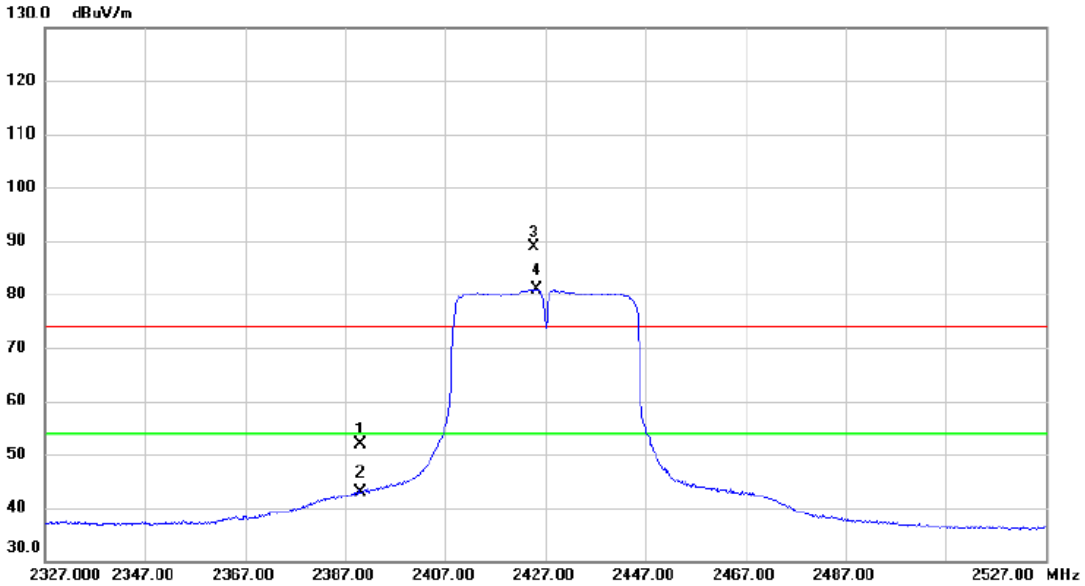
Orthogonal Axis	X
Test Mode:	TX N-40M Mode 2422MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4842.4000	41.91	3.61	45.52	74.00	-28.48	Peak	
2 *	4842.6750	31.58	3.61	35.19	54.00	-18.81	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M Mode 2427MHz

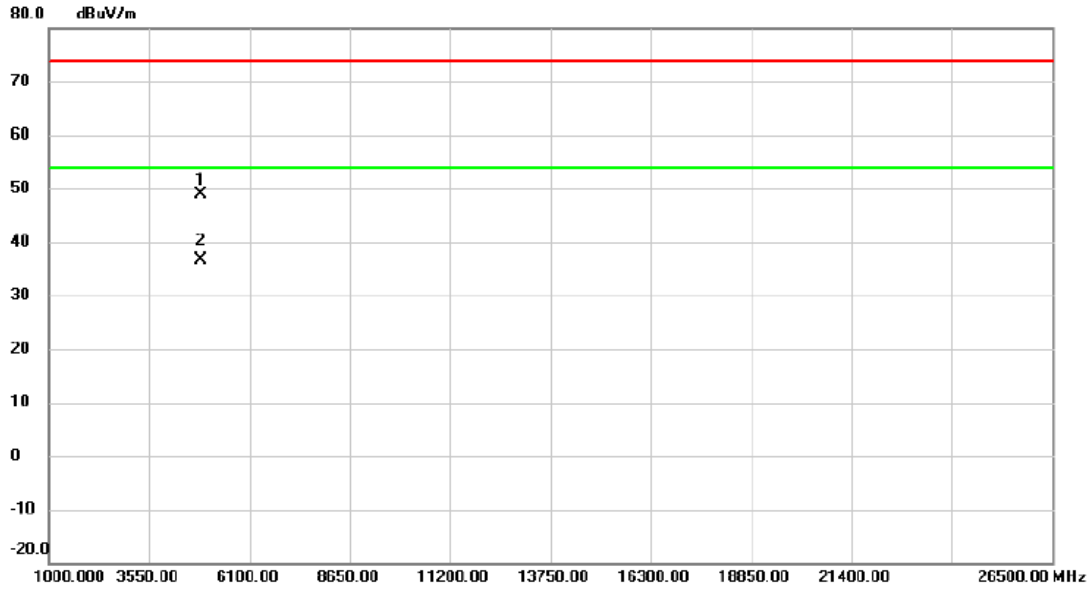
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	45.28	6.62	51.90	74.00	-22.10	peak	
2		2390.000	36.24	6.62	42.86	54.00	-11.14	AVG	
3	X	2424.700	82.28	6.62	88.90	74.00	14.90	peak	No Limit
4	*	2425.200	74.38	6.61	80.99	54.00	26.99	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M Mode 2427MHz

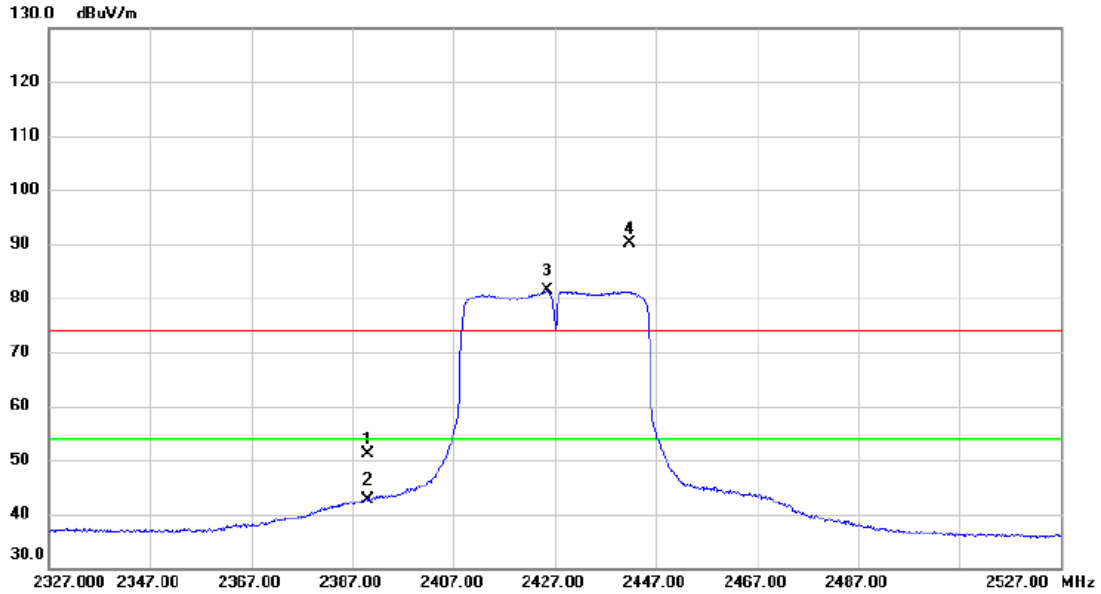
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4850.750	45.18	3.63	48.81	74.00	-25.19	peak	
2	*	4853.175	33.08	3.64	36.72	54.00	-17.28	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M Mode 2427MHz

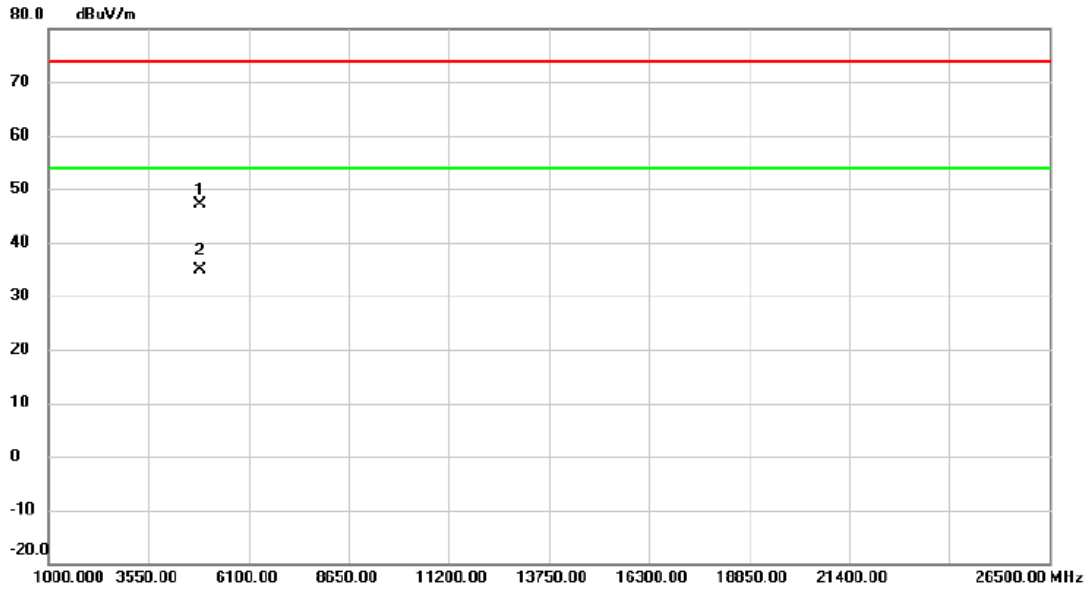
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	44.57	6.62	51.19	74.00	-22.81	peak	
2		2390.000	35.95	6.62	42.57	54.00	-11.43	AVG	
3	*	2425.600	74.66	6.61	81.27	54.00	27.27	AVG	No Limit
4	X	2441.900	83.56	6.61	90.17	74.00	16.17	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M Mode 2427MHz

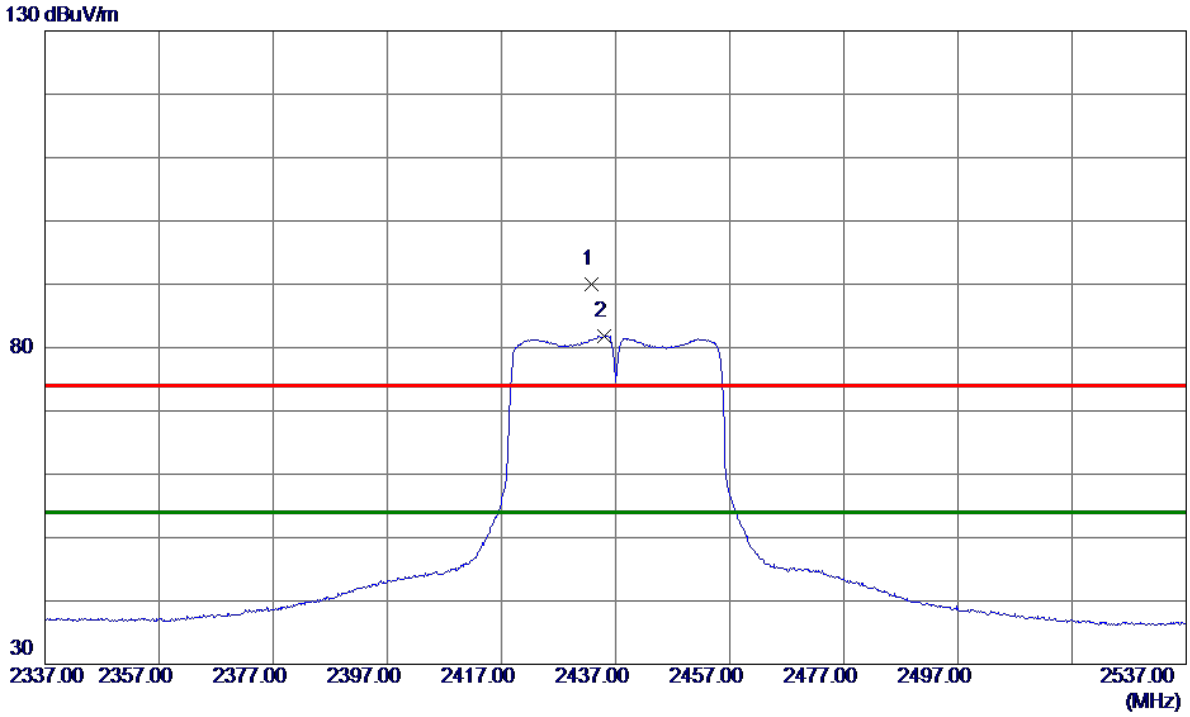
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4851.275	43.42	3.63	47.05	74.00	-26.95	peak	
2	*	4854.250	31.12	3.64	34.76	54.00	-19.24	AVG	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2432.8000	83.36	6.62	89.98	74.00	15.98	Peak	No Limit
2 *	2435.1000	75.24	6.61	81.85	54.00	27.85	AVG	No Limit

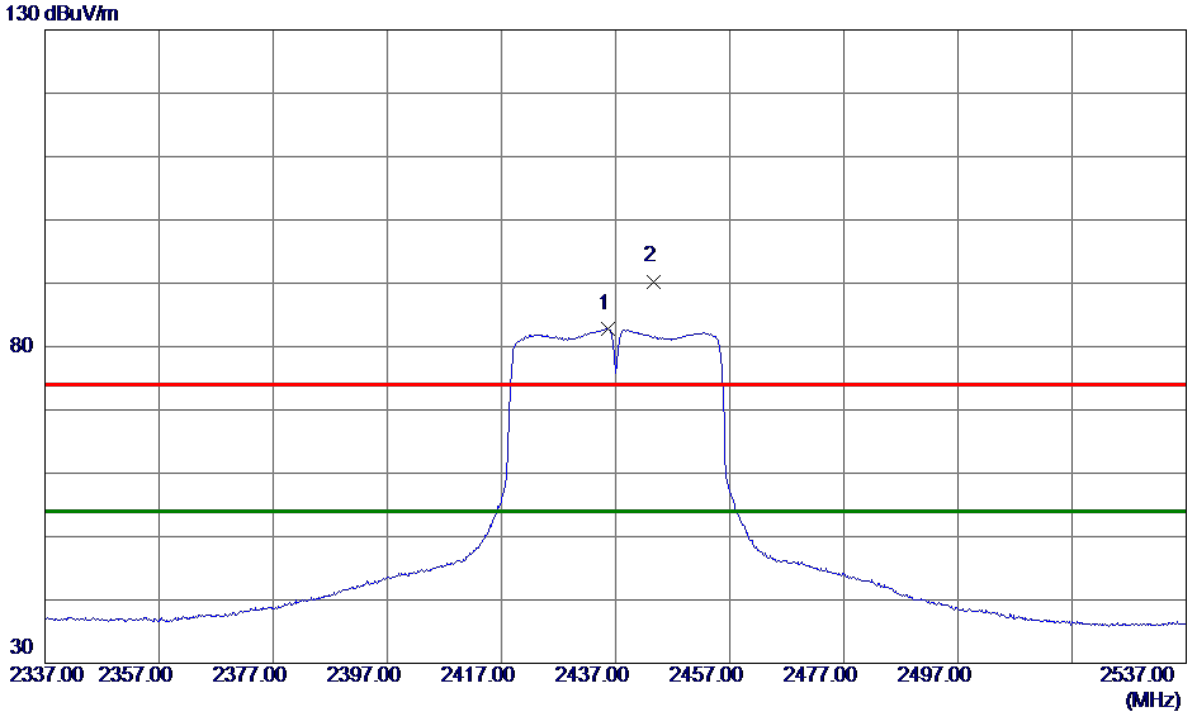
Orthogonal Axis	X
Test Mode:	TX N-40M Mode 2437 MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4870.8750	45.80	3.67	49.47	74.00	-24.53	Peak	
2 *	4874.9250	34.72	3.68	38.40	54.00	-15.60	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2435.7000	76.23	6.61	82.84	54.00	28.84	AVG	No Limit
2	2443.7000	83.69	6.61	90.30	74.00	16.30	Peak	No Limit

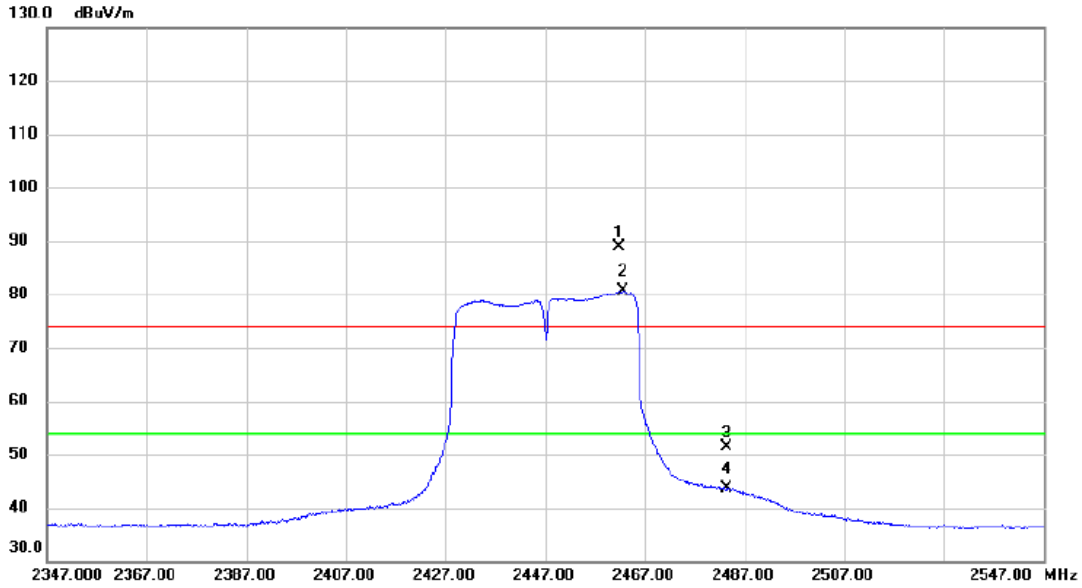
Orthogonal Axis	X
Test Mode:	TX N-40M Mode 2437 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4872.3750	31.44	3.68	35.12	54.00	-18.88	AVG	
2	4874.6000	42.25	3.68	45.93	74.00	-28.07	Peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M Mode 2447MHz

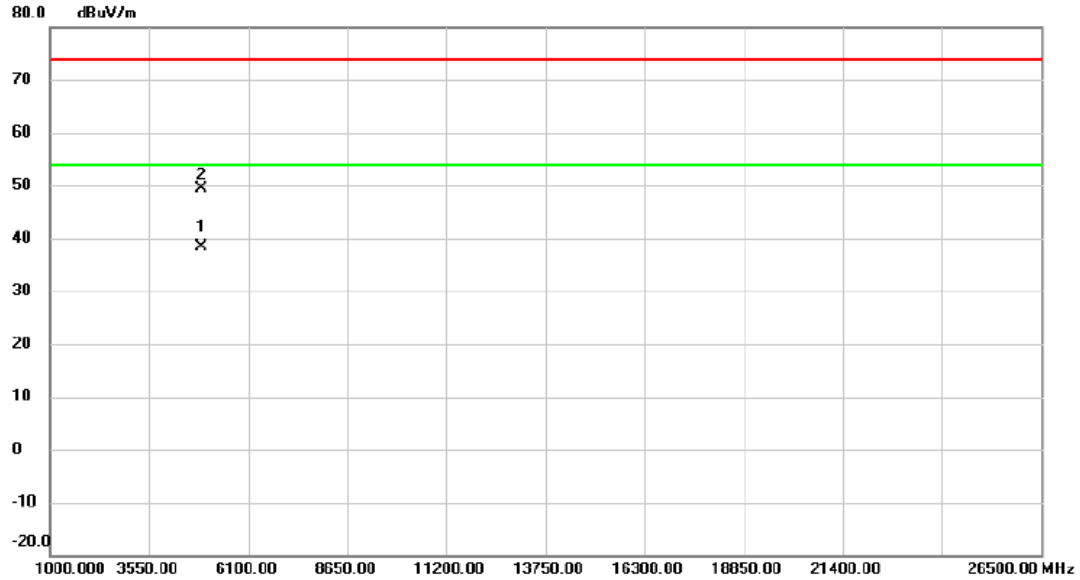
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2461.700	82.37	6.61	88.98	74.00	14.98	peak	No Limit
2	*	2462.700	73.94	6.61	80.55	54.00	26.55	AVG	No Limit
3		2483.500	44.75	6.61	51.36	74.00	-22.64	peak	
4		2483.500	37.12	6.61	43.73	54.00	-10.27	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M Mode 2447MHz

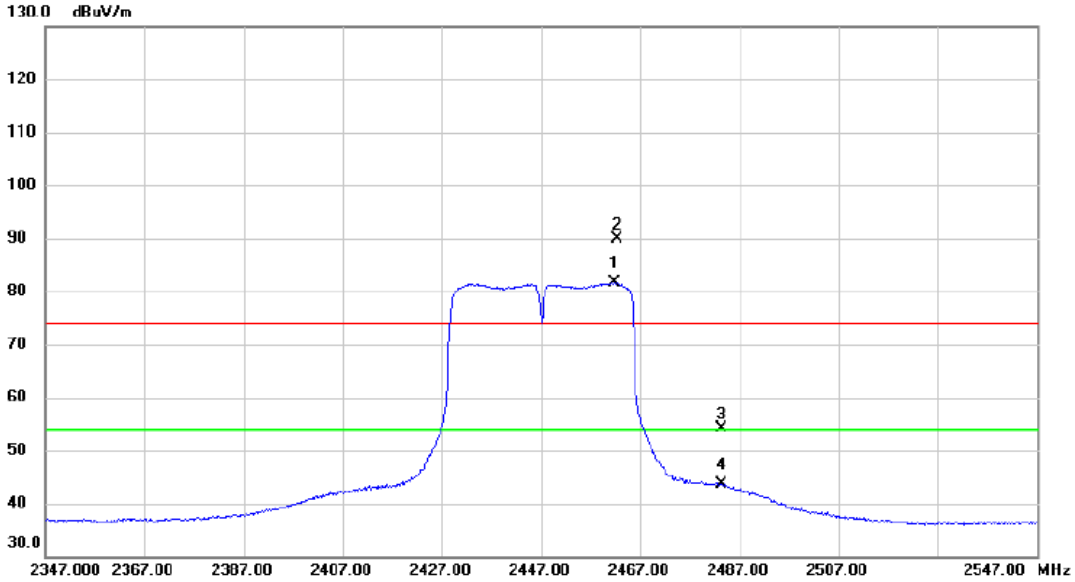
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4894.275	34.72	3.73	38.45	54.00	-15.55	AVG	
2		4894.700	45.71	3.73	49.44	74.00	-24.56	peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M Mode 2447MHz

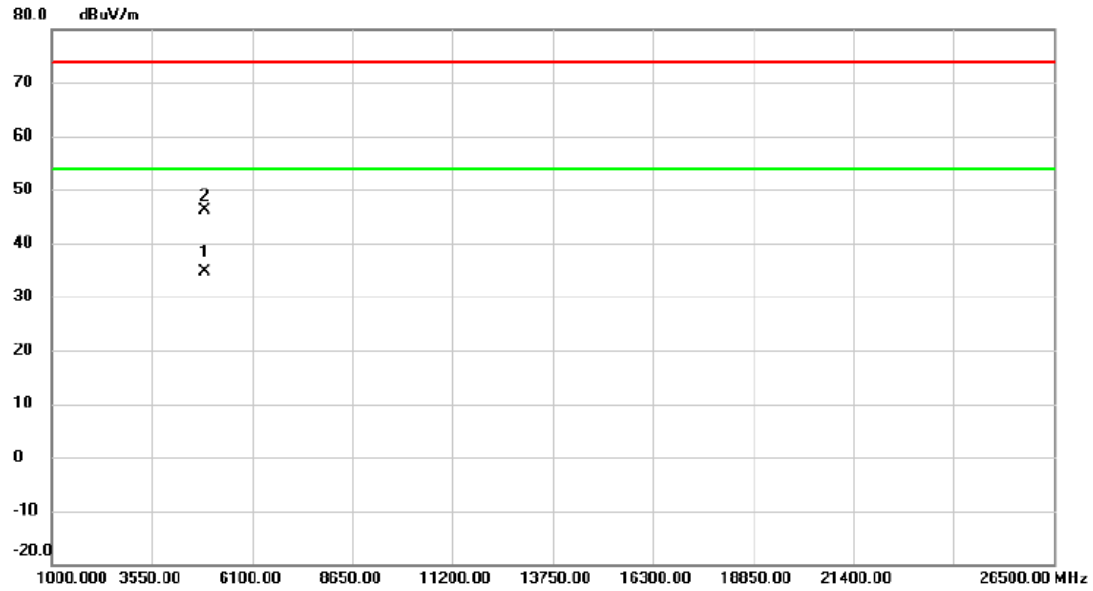
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2461.800	74.96	6.61	81.57	54.00	27.57	AVG	No Limit
2	X	2462.400	83.24	6.61	89.85	74.00	15.85	peak	No Limit
3		2483.500	47.50	6.61	54.11	74.00	-19.89	peak	
4		2483.500	36.91	6.61	43.52	54.00	-10.48	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M Mode 2447MHz

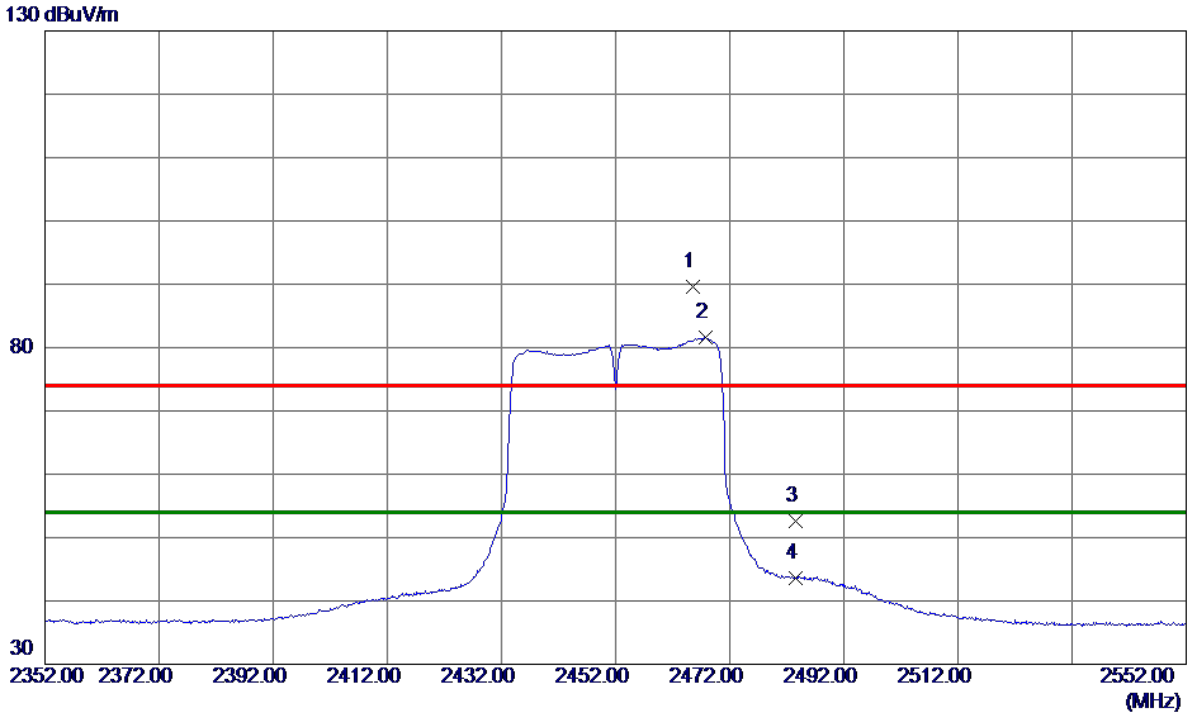
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4892.750	30.95	3.73	34.68	54.00	-19.32	AVG	
2		4893.800	42.37	3.73	46.10	74.00	-27.90	peak	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2465.6000	82.95	6.61	89.56	74.00	15.56	Peak	No Limit
2 *	2467.8000	74.94	6.61	81.55	54.00	27.55	AVG	No Limit
3	2483.5000	45.93	6.61	52.54	74.00	-21.46	Peak	
4	2483.5000	36.98	6.61	43.59	54.00	-10.41	AVG	

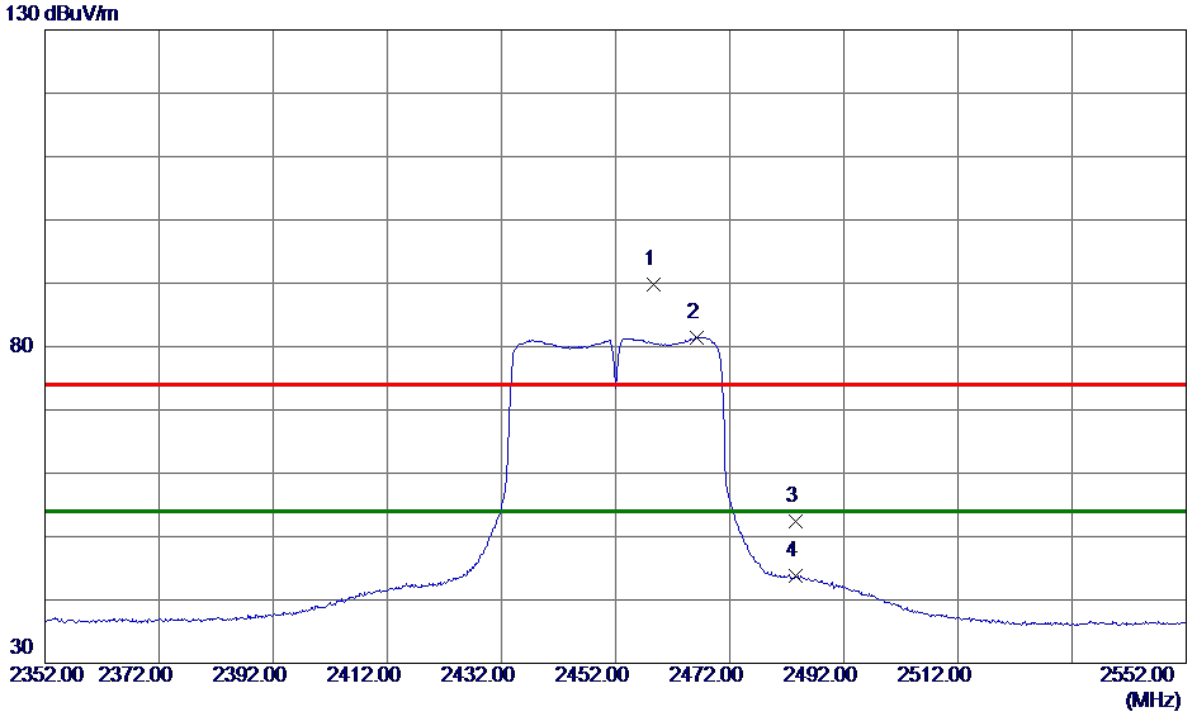
Orthogonal Axis	X
Test Mode:	TX N-40M Mode 2452MHz

Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4904.0000	33.87	3.75	37.62	54.00	-16.38	AVG	
2	4905.1000	45.40	3.75	49.15	74.00	-24.85	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2458.6000	83.14	6.61	89.75	74.00	15.75	Peak	No Limit
2 *	2466.3000	74.88	6.61	81.49	54.00	27.49	AVG	No Limit
3	2483.5000	45.75	6.61	52.36	74.00	-21.64	Peak	
4	2483.5000	37.25	6.61	43.86	54.00	-10.14	AVG	

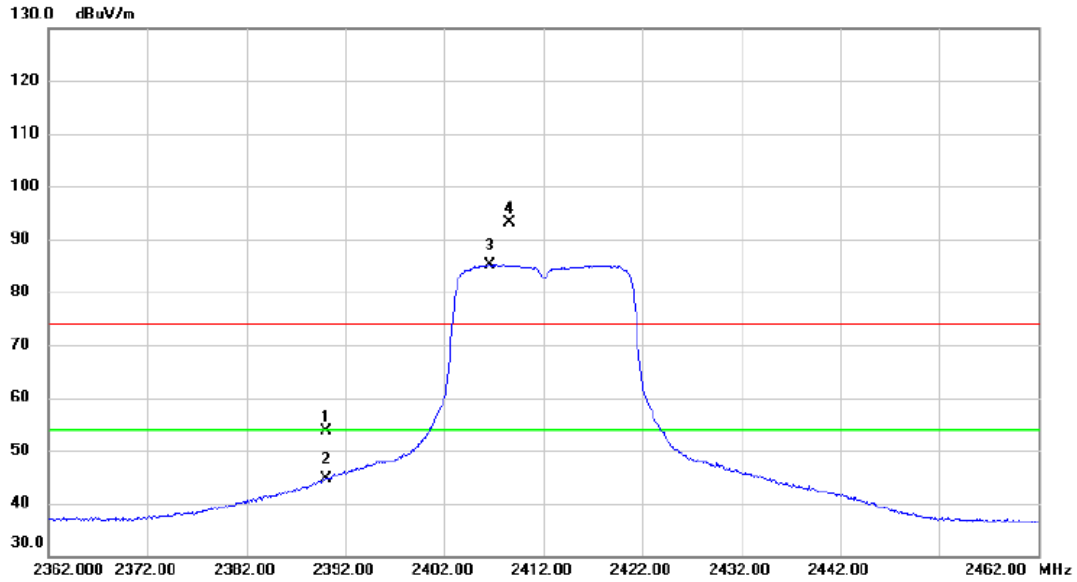
Orthogonal Axis	X
Test Mode:	TX N-40M Mode 2452MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4903.9000	40.98	3.75	44.73	74.00	-29.27	Peak	
2 *	4904.1500	30.44	3.75	34.19	54.00	-19.81	AVG	

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

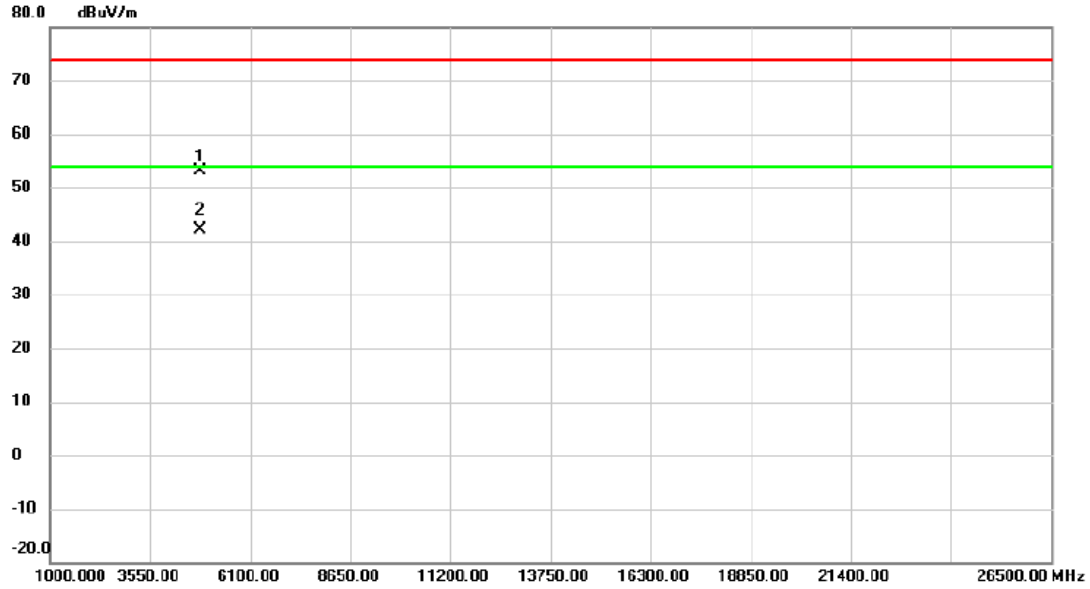
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	47.09	6.62	53.71	74.00	-20.29	peak	
2		2390.000	37.99	6.62	44.61	54.00	-9.39	AVG	
3	*	2406.550	78.47	6.62	85.09	54.00	31.09	AVG	No Limit
4	X	2408.600	86.59	6.62	93.21	74.00	19.21	peak	No Limit

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

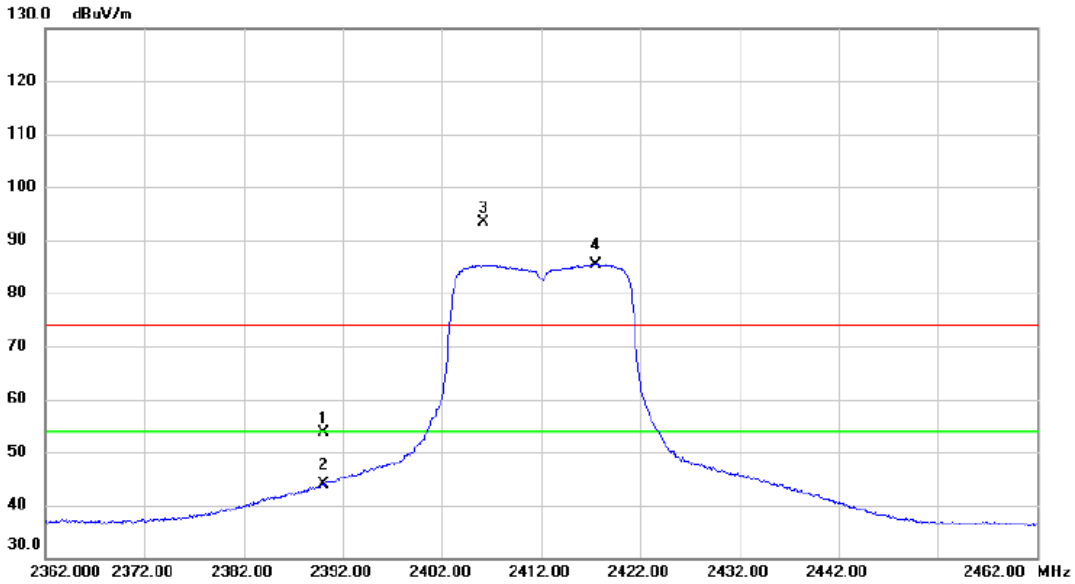
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4822.325	49.60	3.57	53.17	74.00	-20.83	peak	
2	*	4823.300	38.65	3.57	42.22	54.00	-11.78	AVG	

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

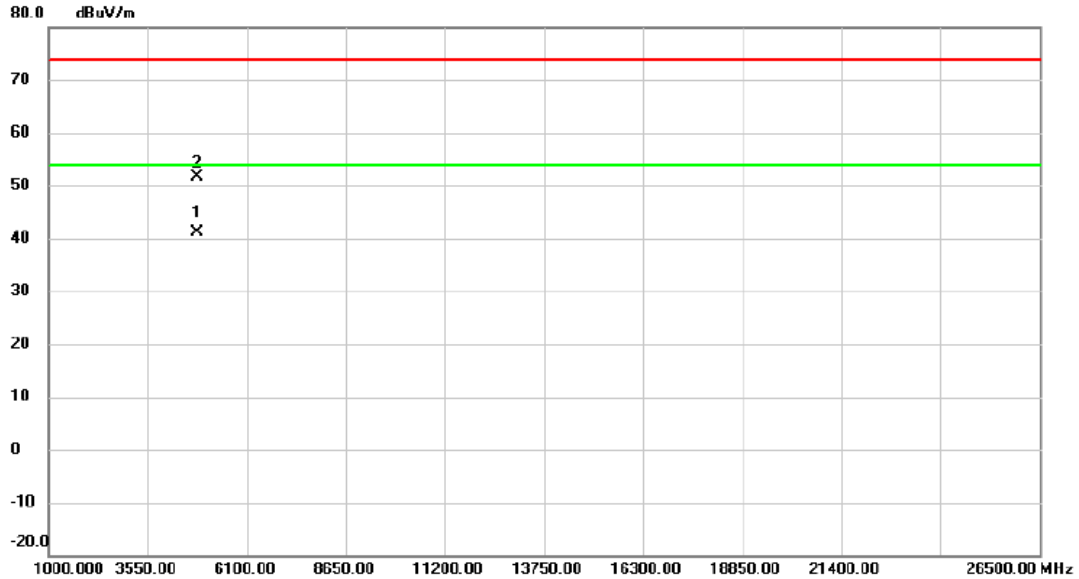
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	46.96	6.62	53.58	74.00	-20.42	peak	
2		2390.000	37.20	6.62	43.82	54.00	-10.18	AVG	
3	X	2406.250	86.87	6.61	93.48	74.00	19.48	peak	No Limit
4	*	2417.500	78.73	6.62	85.35	54.00	31.35	AVG	No Limit

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

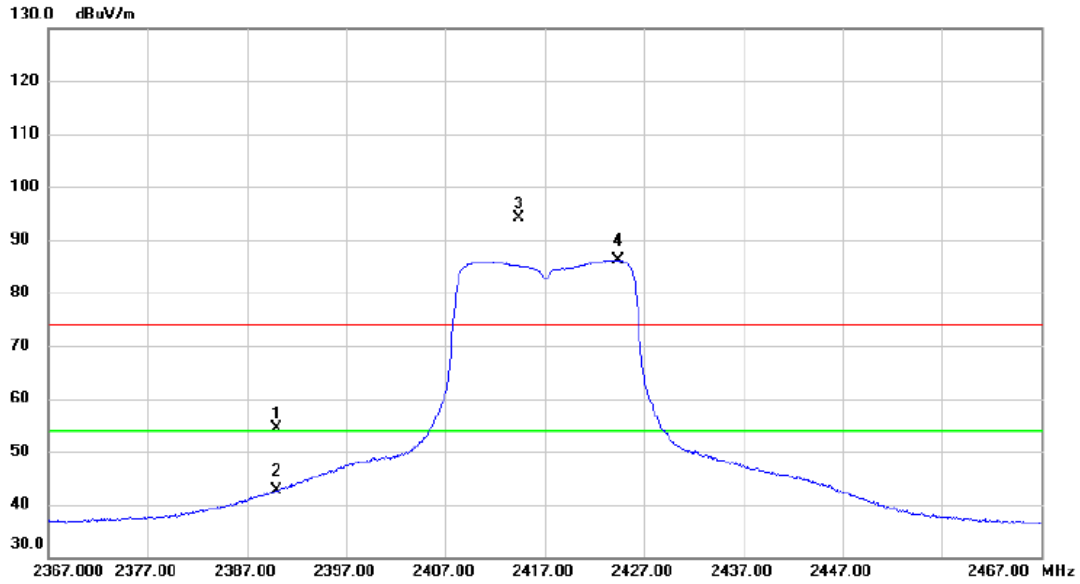
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.925	37.58	3.57	41.15	54.00	-12.85	AVG	
2		4827.825	48.08	3.58	51.66	74.00	-22.34	peak	

Orthogonal Axis :	X
Test Mode :	TX AC-20M Mode 2417MHz

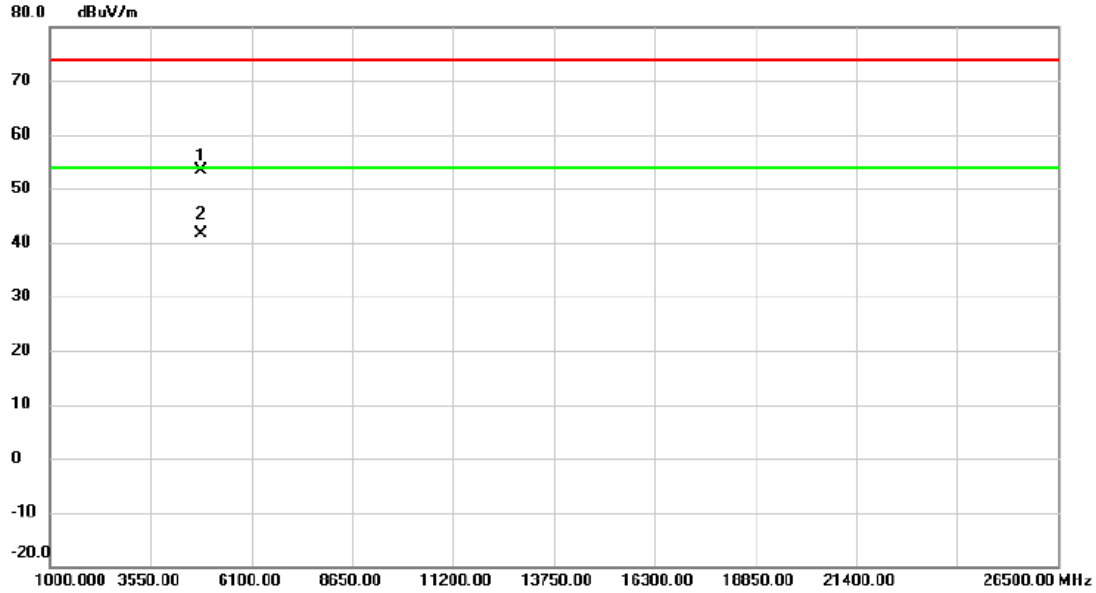
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	47.83	6.62	54.45	74.00	-19.55	peak	
2		2390.000	36.10	6.62	42.72	54.00	-11.28	AVG	
3	X	2414.350	87.56	6.62	94.18	74.00	20.18	peak	No Limit
4	*	2424.350	79.59	6.62	86.21	54.00	32.21	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX AC-20M Mode 2417MHz

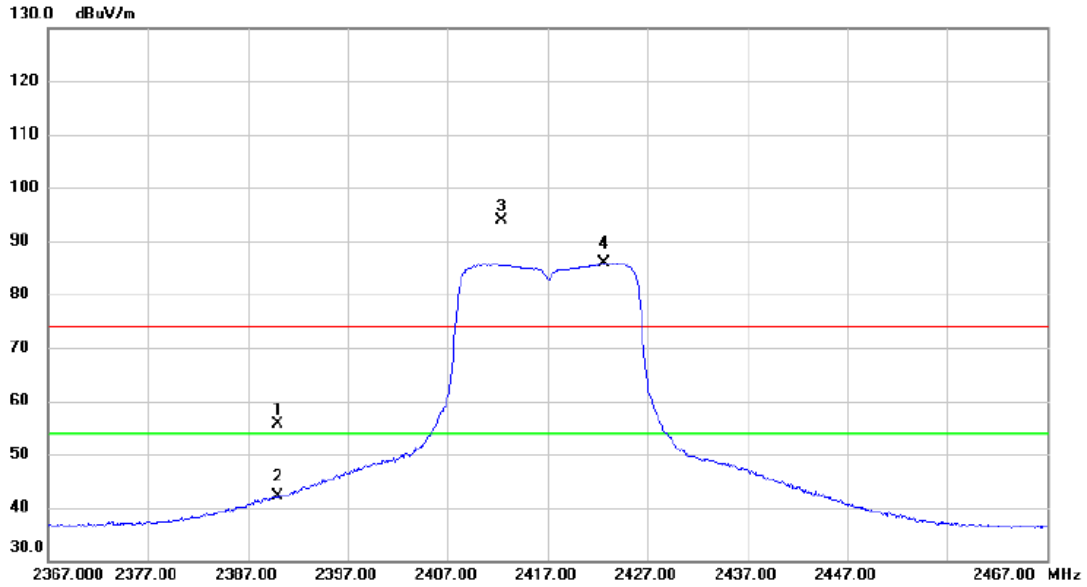
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4833.750	49.69	3.59	53.28	74.00	-20.72	peak	
2	*	4834.475	37.92	3.59	41.51	54.00	-12.49	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20M Mode 2417MHz

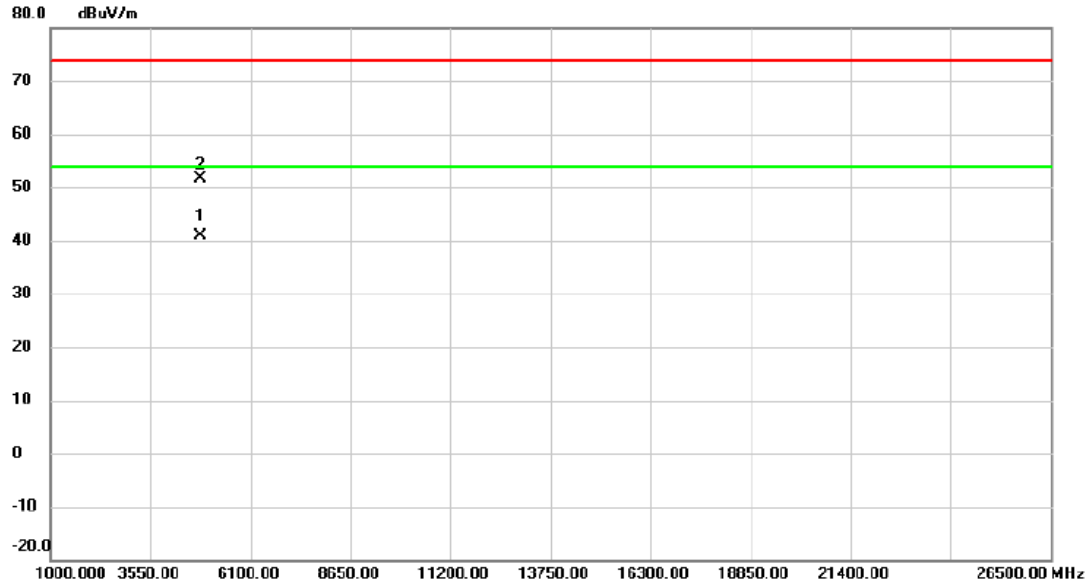
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	49.10	6.62	55.72	74.00	-18.28	peak	
2		2390.000	35.41	6.62	42.03	54.00	-11.97	AVG	
3	X	2412.400	87.25	6.62	93.87	74.00	19.87	peak	No Limit
4	*	2422.700	79.22	6.62	85.84	54.00	31.84	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX AC-20M Mode 2417MHz

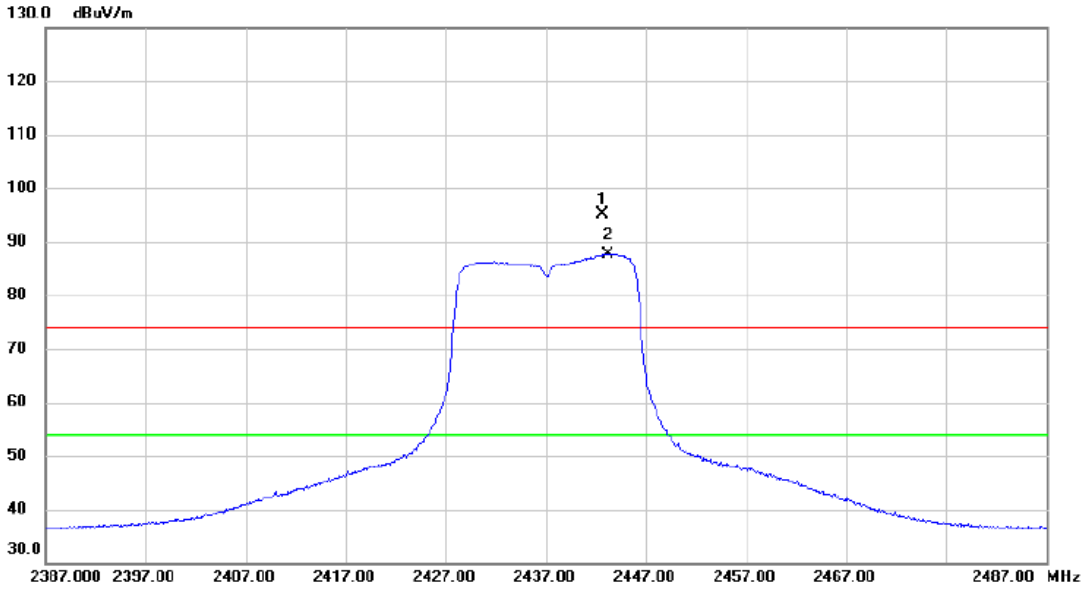
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4833.750	37.36	3.59	40.95	54.00	-13.05	AVG	
2		4834.275	48.10	3.59	51.69	74.00	-22.31	peak	

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

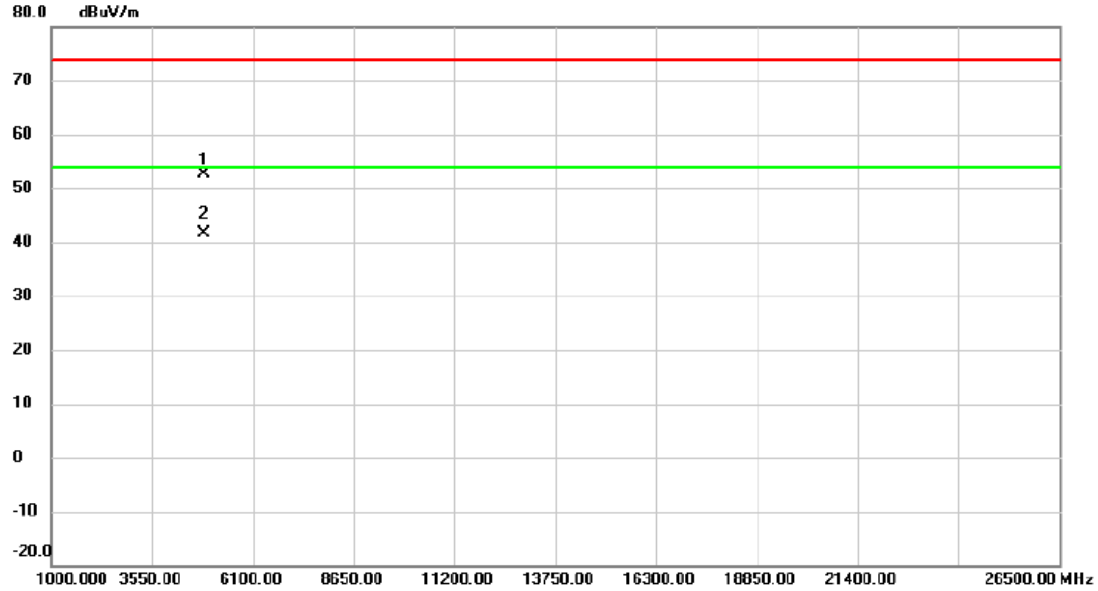
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2442.650	88.58	6.61	95.19	74.00	21.19	peak	No Limit
2	*	2443.200	81.12	6.61	87.73	54.00	33.73	AVG	No Limit

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

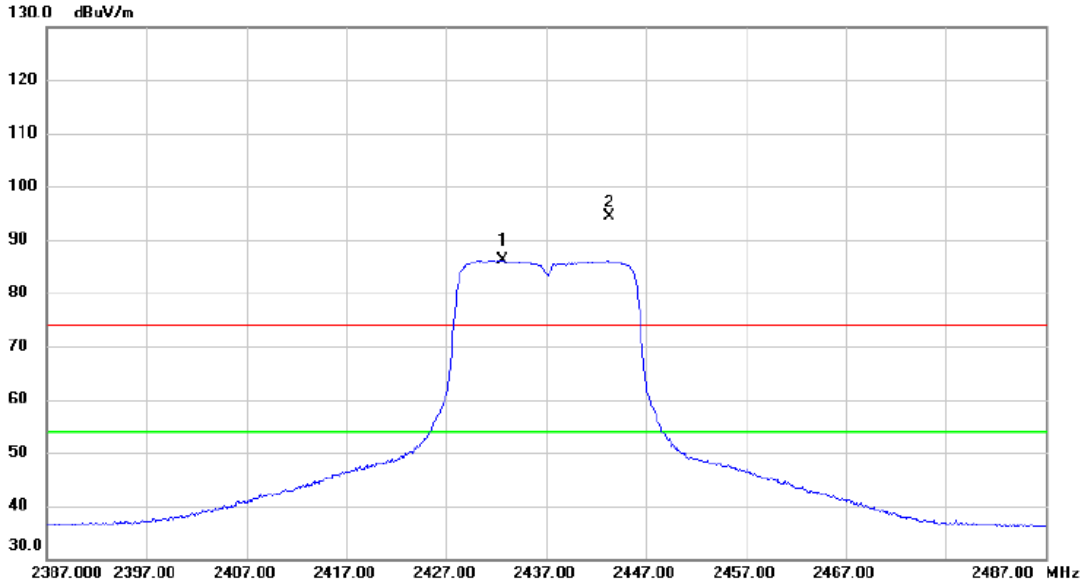
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4872.325	49.02	3.68	52.70	74.00	-21.30	peak	
2	*	4873.275	37.86	3.68	41.54	54.00	-12.46	AVG	

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

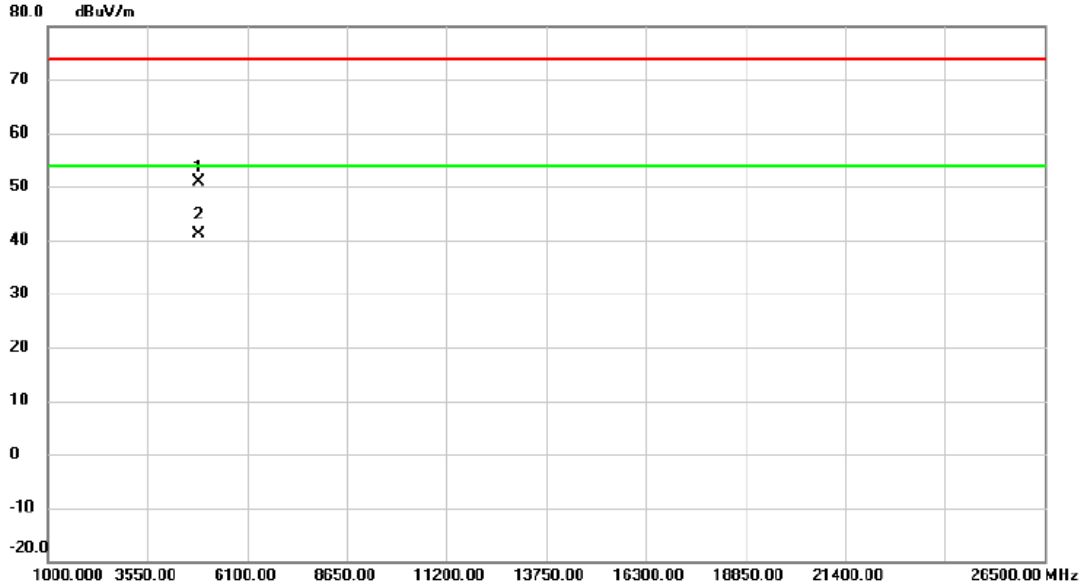
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2432.650	79.56	6.61	86.17	54.00	32.17	AVG	No Limit
2	X	2443.300	87.69	6.61	94.30	74.00	20.30	peak	No Limit

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

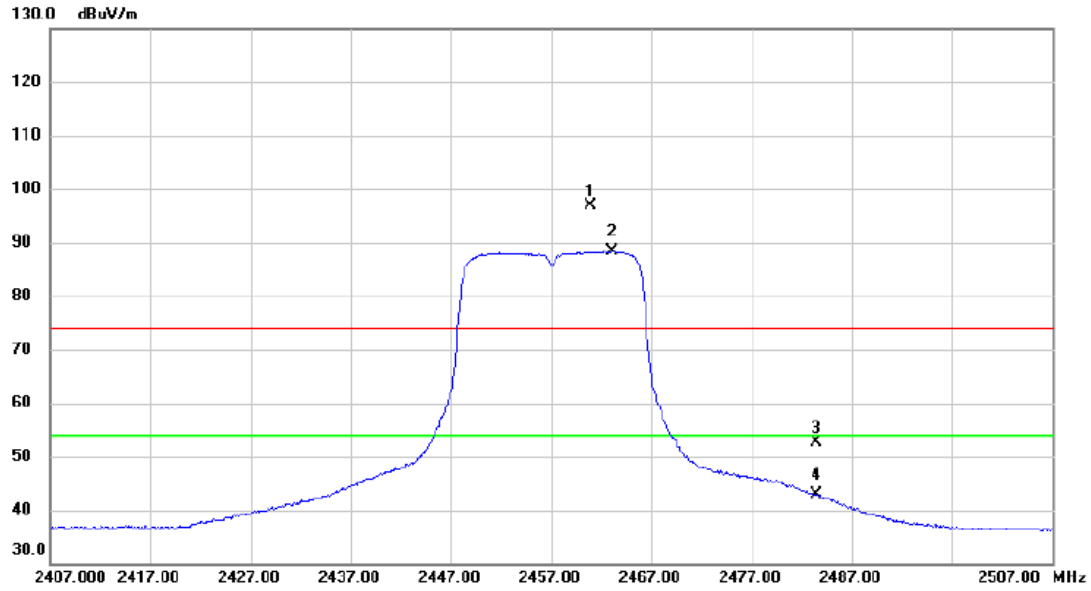
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.550	47.08	3.68	50.76	74.00	-23.24	peak	
2	*	4873.850	37.33	3.68	41.01	54.00	-12.99	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20M Mode 2457MHz

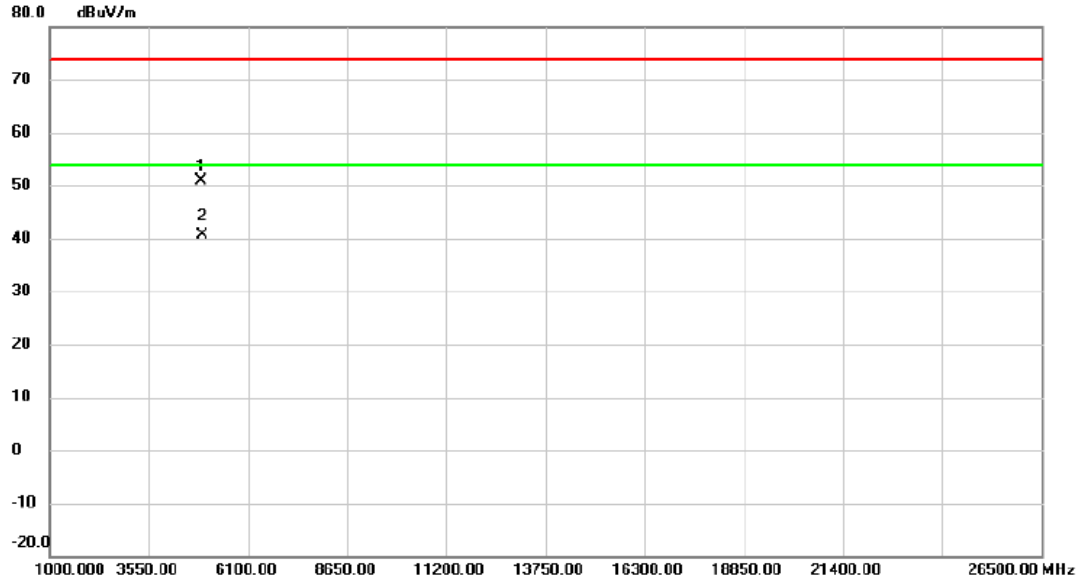
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2460.950	90.27	6.61	96.88	74.00	22.88	peak	No Limit
2	*	2463.100	81.70	6.61	88.31	54.00	34.31	AVG	No Limit
3		2483.500	45.97	6.61	52.58	74.00	-21.42	peak	
4		2483.500	36.39	6.61	43.00	54.00	-11.00	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20M Mode 2457MHz

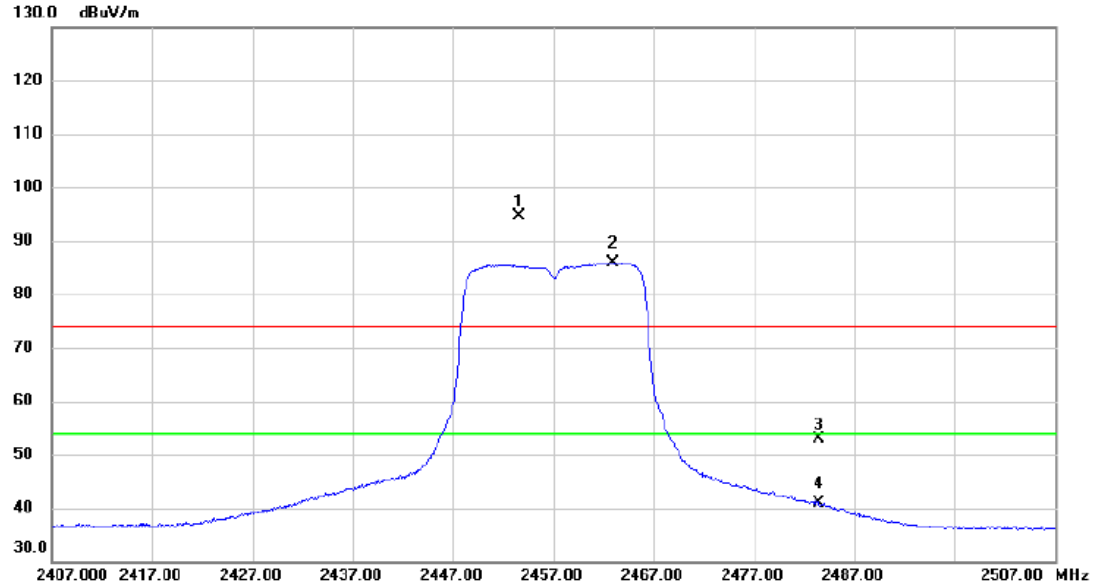
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4909.250	47.03	3.76	50.79	74.00	-23.21	peak	
2	*	4913.275	36.93	3.76	40.69	54.00	-13.31	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20M Mode 2457MHz

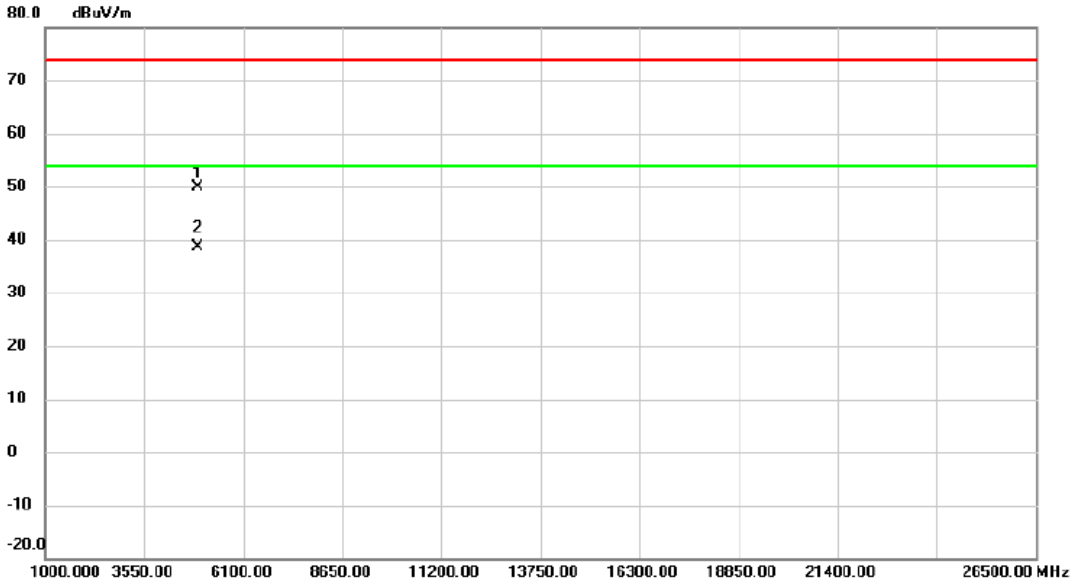
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2453.650	88.00	6.60	94.60	74.00	20.60	peak	No Limit
2	*	2462.900	79.34	6.61	85.95	54.00	31.95	AVG	No Limit
3		2483.500	46.34	6.61	52.95	74.00	-21.05	peak	
4		2483.500	34.32	6.61	40.93	54.00	-13.07	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-20M Mode 2457MHz

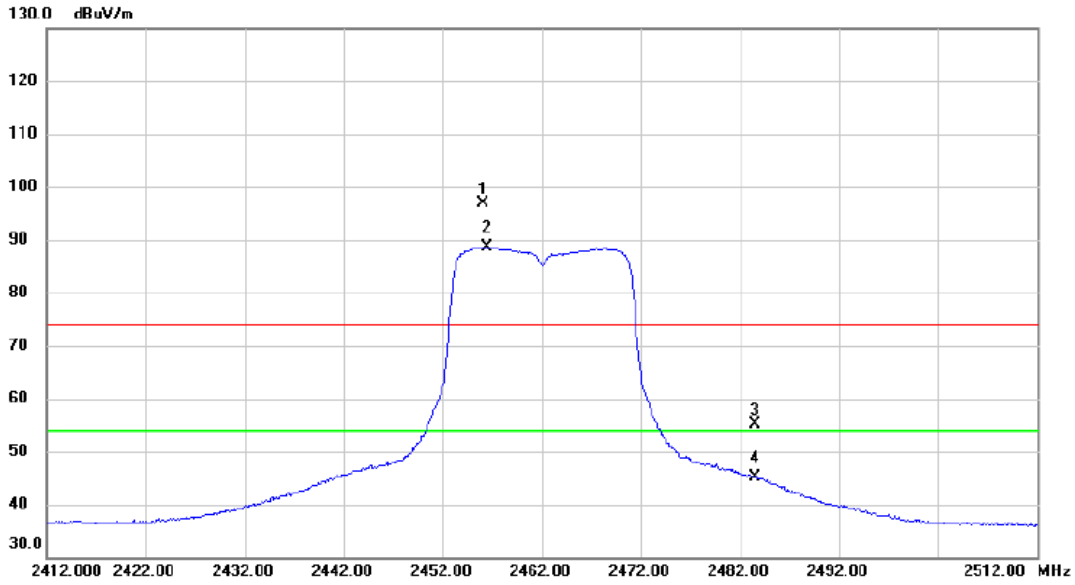
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4913.500	46.01	3.76	49.77	74.00	-24.23	peak	
2	*	4914.000	34.86	3.77	38.63	54.00	-15.37	AVG	

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

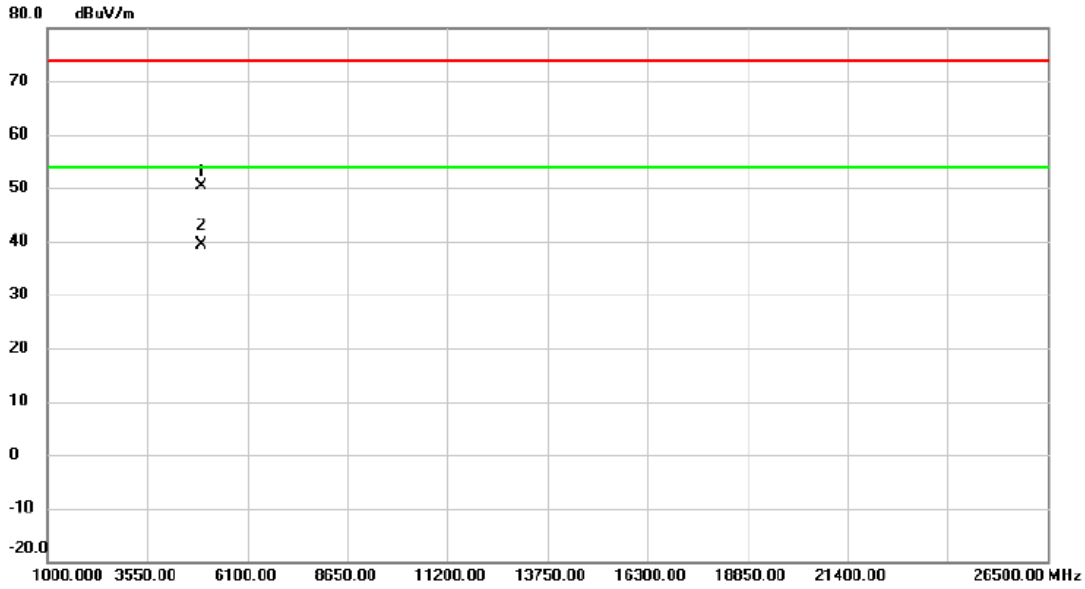
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2456.050	90.21	6.61	96.82	74.00	22.82	peak	No Limit
2	*	2456.400	82.08	6.62	88.70	54.00	34.70	AVG	No Limit
3		2483.500	48.42	6.61	55.03	74.00	-18.97	peak	
4		2483.500	38.57	6.61	45.18	54.00	-8.82	AVG	

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

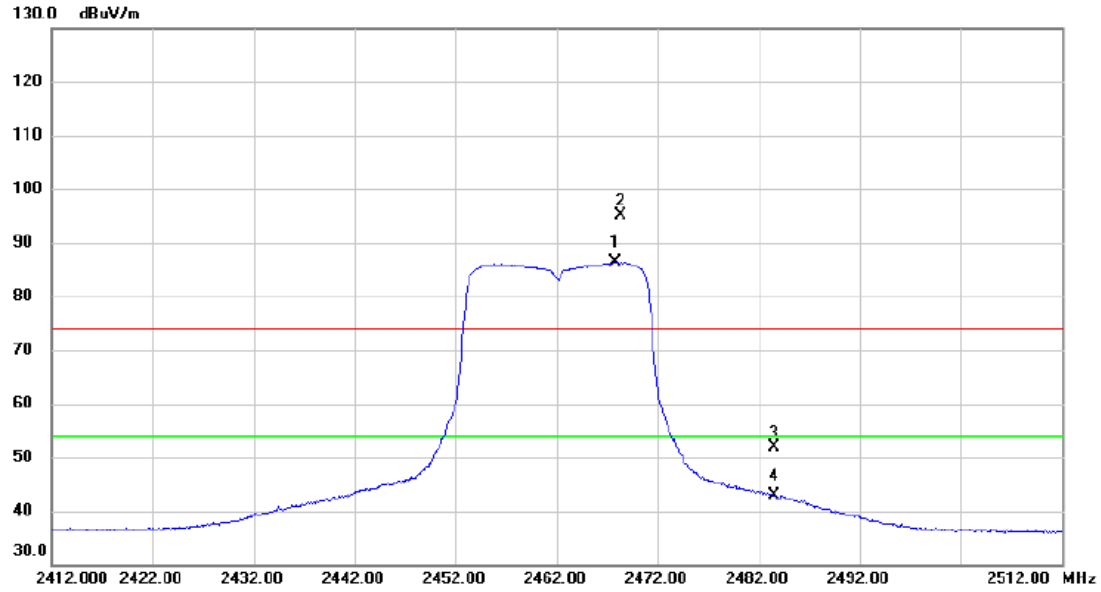
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4922.575	46.59	3.78	50.37	74.00	-23.63	peak	
2	*	4922.725	35.66	3.78	39.44	54.00	-14.56	AVG	

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

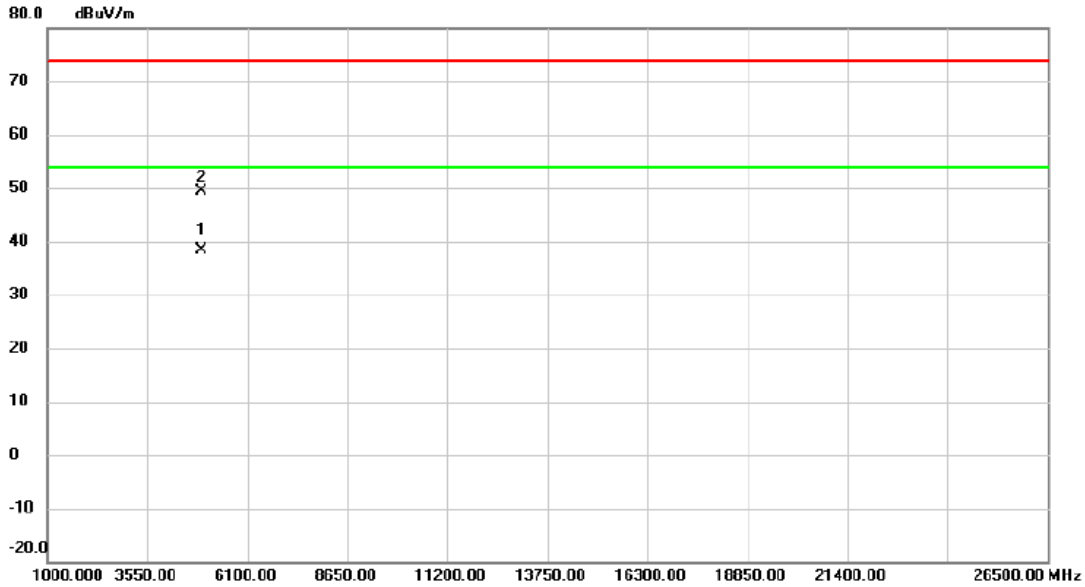
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2467.800	79.76	6.61	86.37	54.00	32.37	AVG	No Limit
2	X	2468.300	88.44	6.60	95.04	74.00	21.04	peak	No Limit
3		2483.500	45.18	6.61	51.79	74.00	-22.21	peak	
4		2483.500	36.30	6.61	42.91	54.00	-11.09	AVG	

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

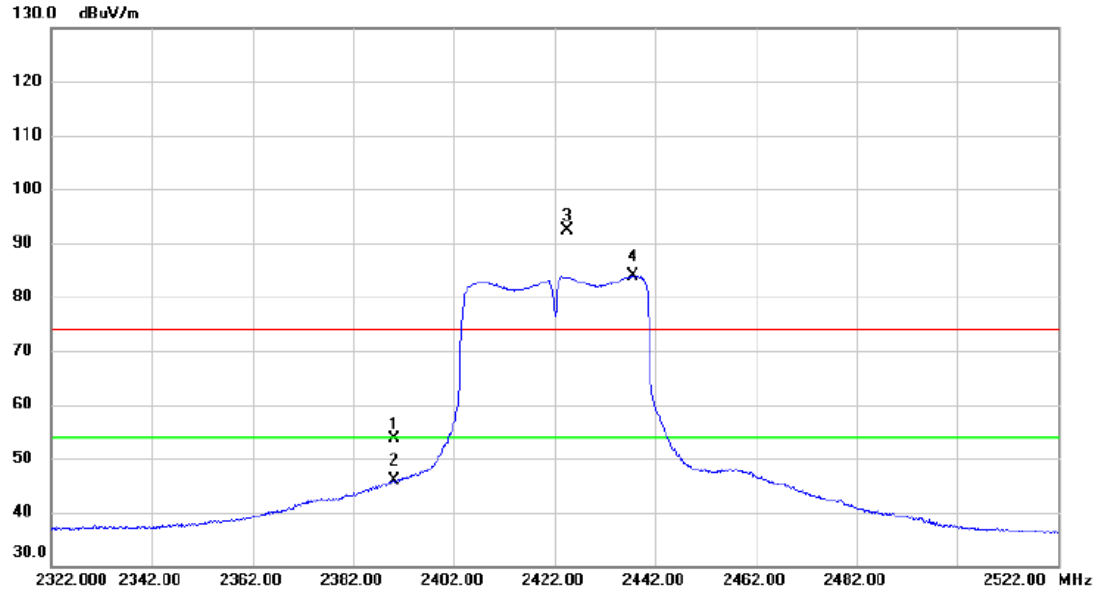
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4923.550	34.70	3.78	38.48	54.00	-15.52	AVG	
2		4926.975	45.57	3.80	49.37	74.00	-24.63	peak	

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

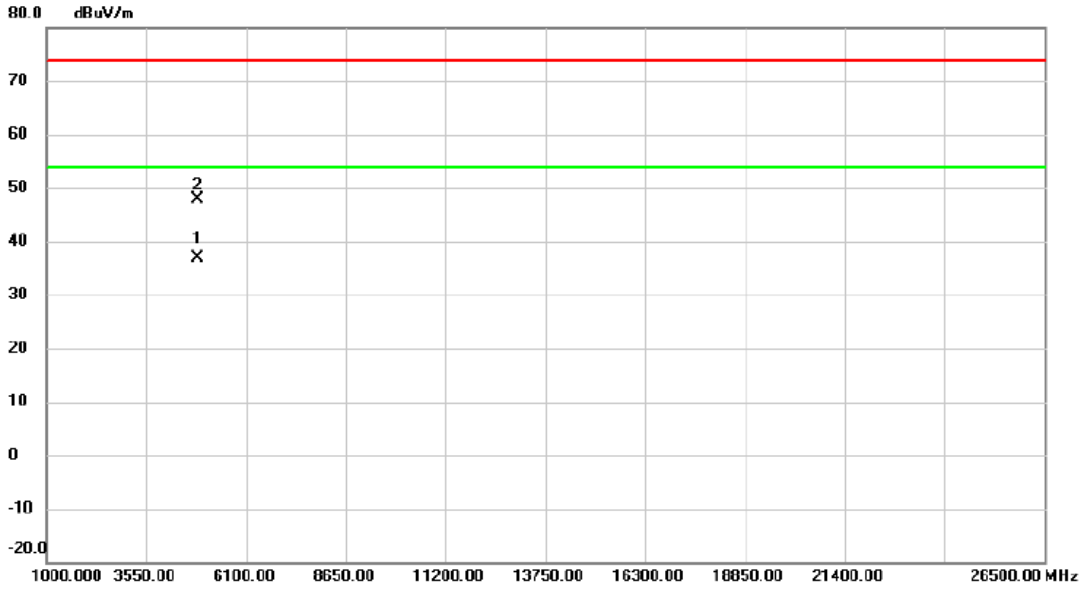
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	46.95	6.62	53.57	74.00	-20.43	peak	
2		2390.000	39.30	6.62	45.92	54.00	-8.08	AVG	
3	X	2424.500	85.73	6.62	92.35	74.00	18.35	peak	No Limit
4	*	2437.700	77.19	6.62	83.81	54.00	29.81	AVG	No Limit

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

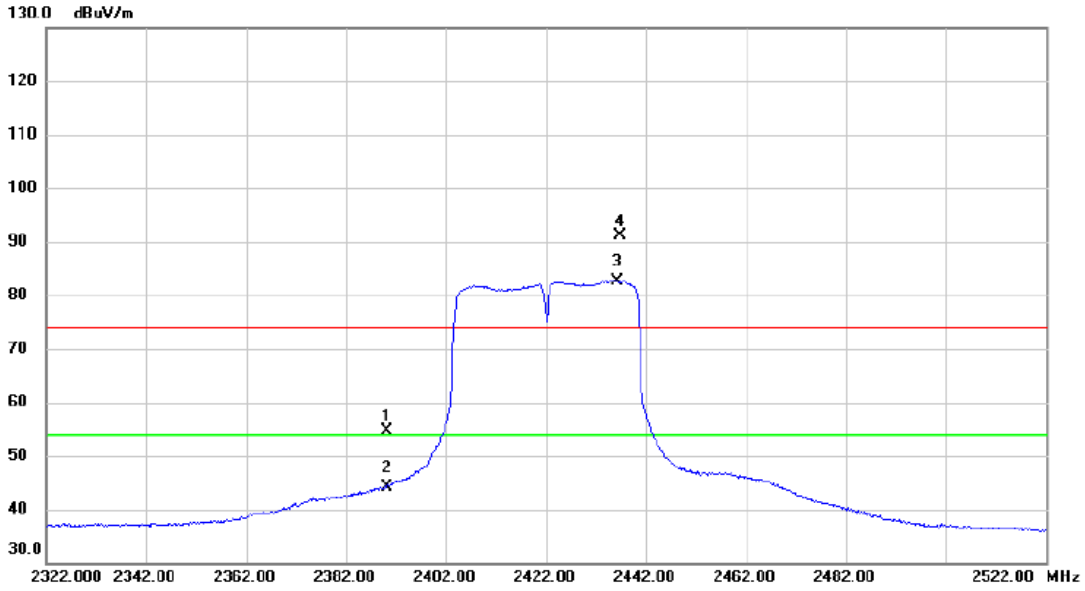
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4844.875	33.23	3.62	36.85	54.00	-17.15	AVG	
2		4844.450	44.18	3.62	47.80	74.00	-26.20	peak	

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

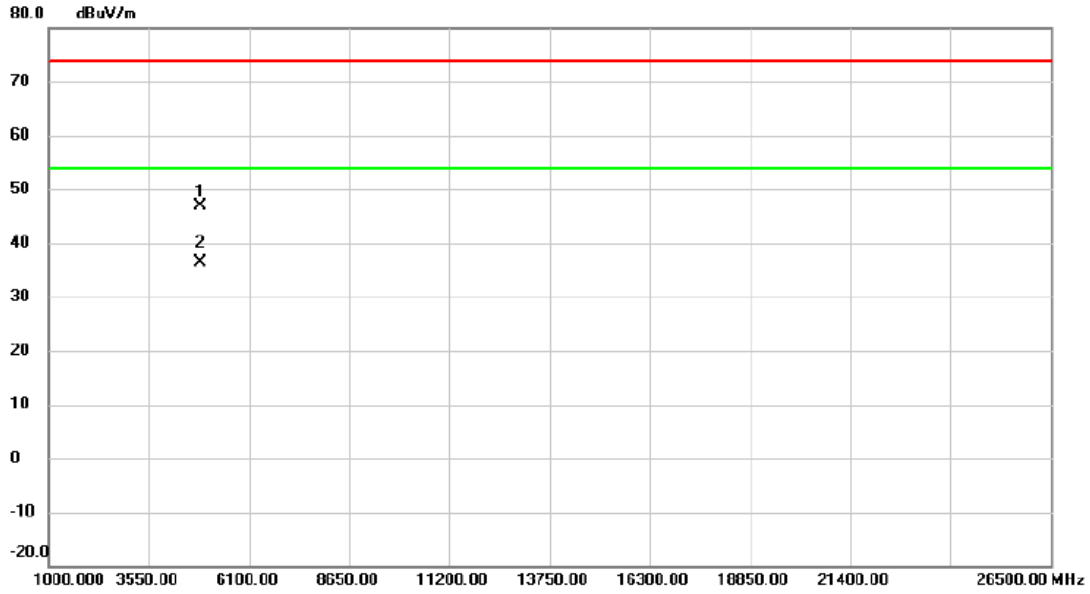
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	47.94	6.62	54.56	74.00	-19.44	peak	
2		2390.000	37.62	6.62	44.24	54.00	-9.76	AVG	
3	*	2436.200	76.00	6.62	82.62	54.00	28.62	AVG	No Limit
4	X	2436.900	84.41	6.62	91.03	74.00	17.03	peak	No Limit

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

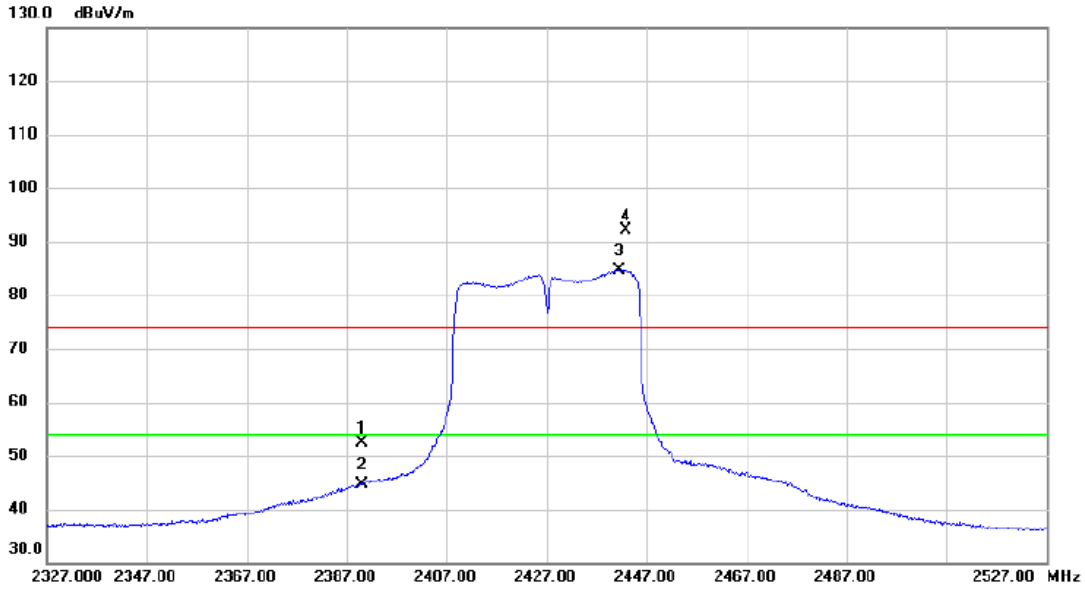
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4842.450	43.29	3.62	46.91	74.00	-27.09	peak	
2	*	4844.550	32.67	3.62	36.29	54.00	-17.71	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-40M Mode 2427MHz

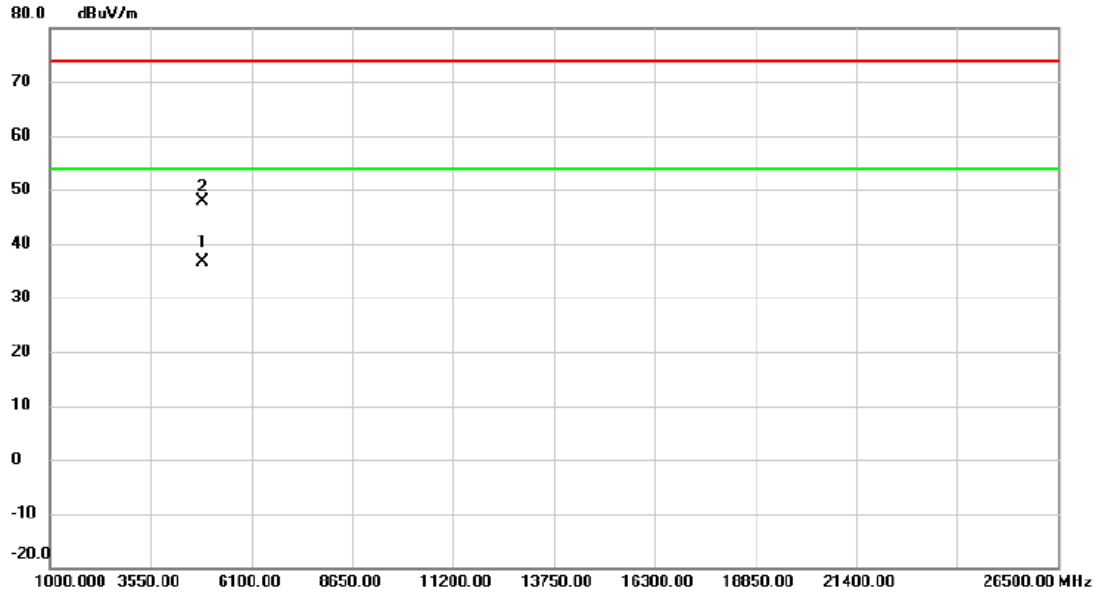
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	45.72	6.62	52.34	74.00	-21.66	peak	
2		2390.000	38.05	6.62	44.67	54.00	-9.33	AVG	
3	*	2441.400	78.11	6.61	84.72	54.00	30.72	AVG	No Limit
4	X	2442.900	85.53	6.61	92.14	74.00	18.14	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX AC-40M Mode 2427MHz

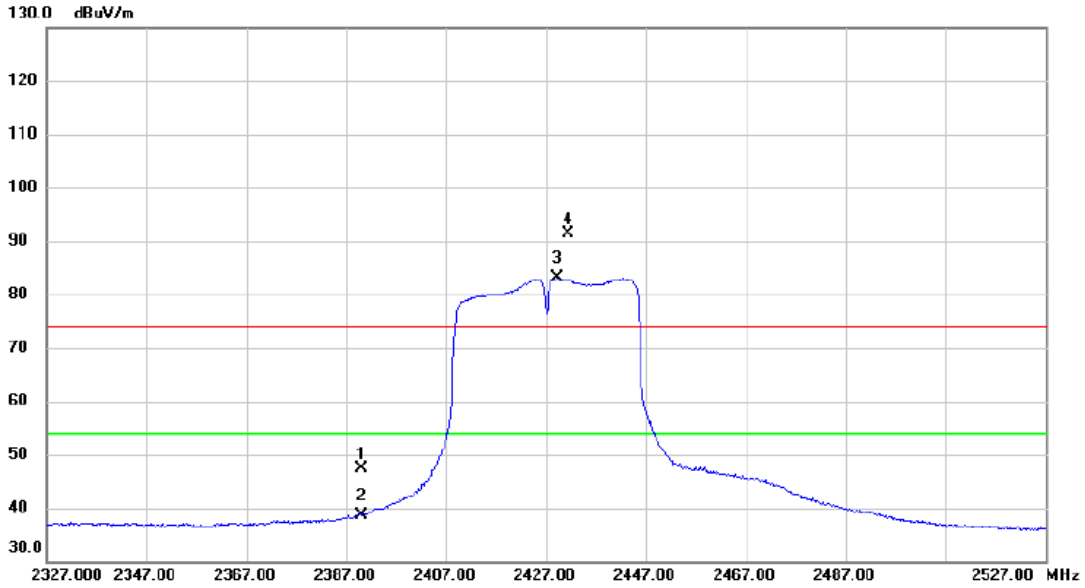
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4854.975	33.02	3.64	36.66	54.00	-17.34	AVG	
2		4858.275	44.25	3.64	47.89	74.00	-26.11	peak	

Orthogonal Axis :	X
Test Mode :	TX AC-40M Mode 2427MHz

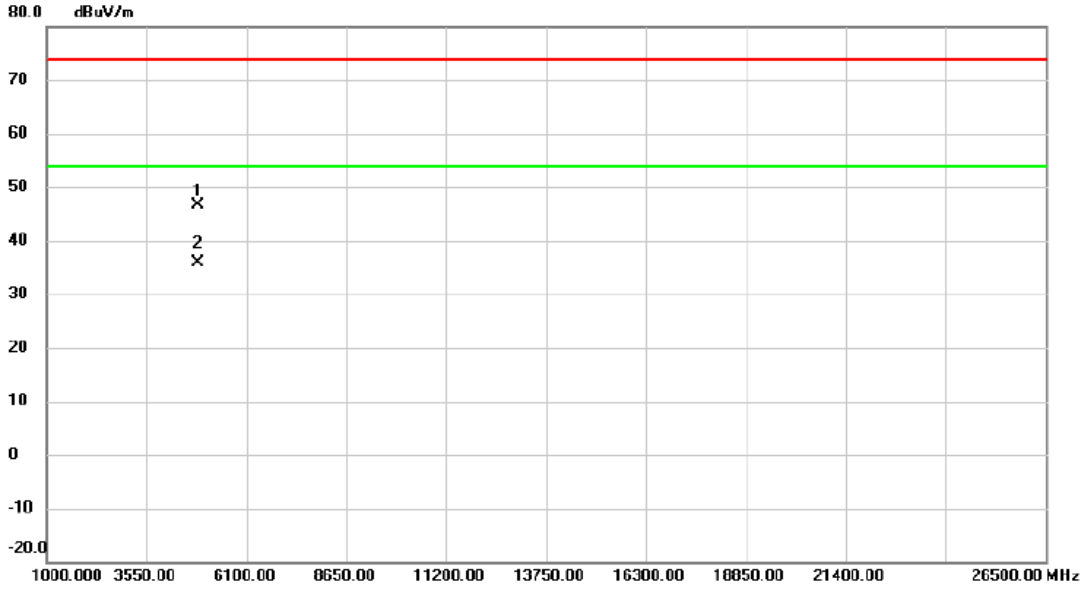
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	40.64	6.62	47.26	74.00	-26.74	peak	
2		2390.000	32.06	6.62	38.68	54.00	-15.32	AVG	
3	*	2429.200	76.42	6.61	83.03	54.00	29.03	AVG	No Limit
4	X	2431.400	84.75	6.62	91.37	74.00	17.37	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX AC-40M Mode 2427MHz

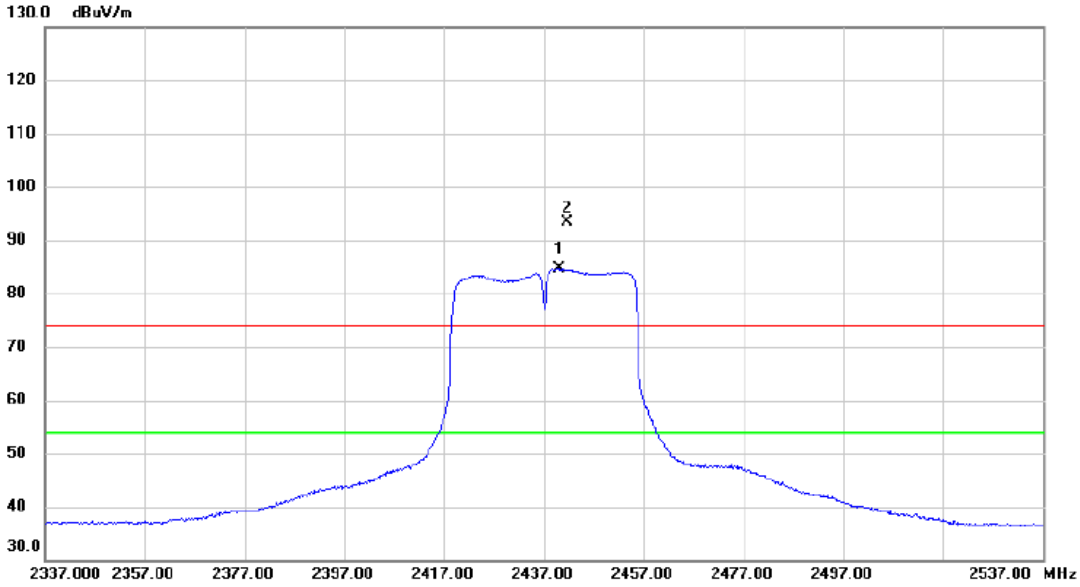
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4852.175	43.03	3.63	46.66	74.00	-27.34	peak	
2	*	4854.250	32.31	3.64	35.95	54.00	-18.05	AVG	

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

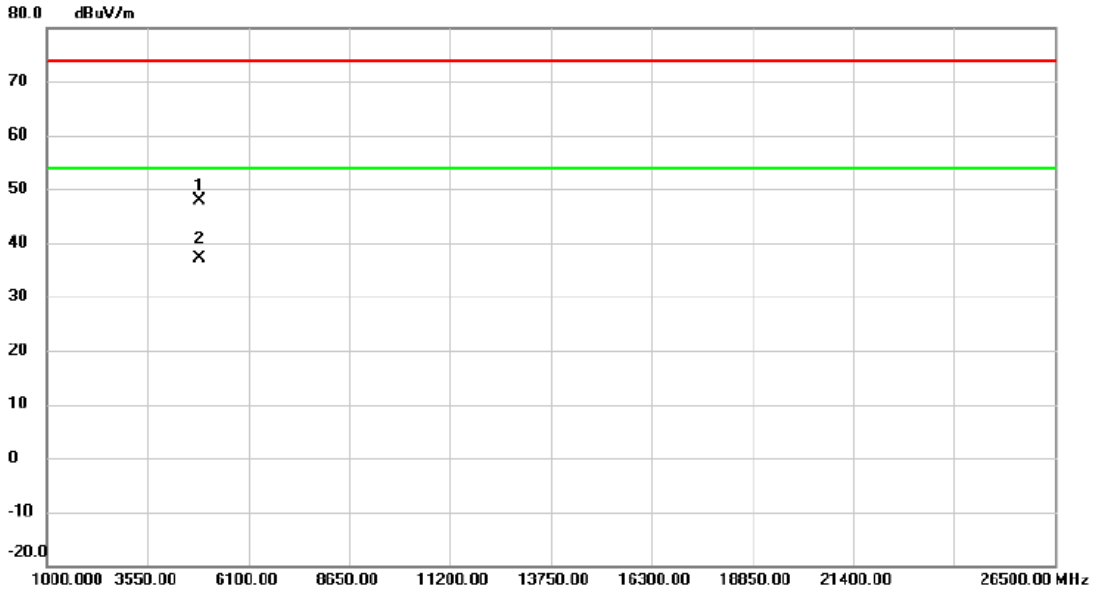
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2440.000	78.01	6.61	84.62	54.00	30.62	AVG	No Limit
2	X	2441.600	86.89	6.61	93.50	74.00	19.50	peak	No Limit

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

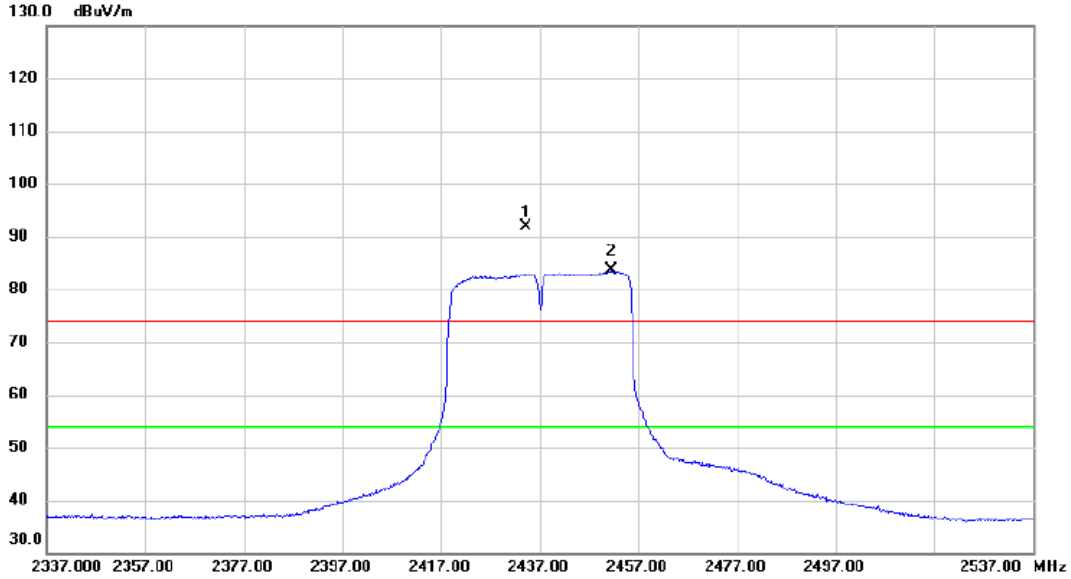
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4871.125	44.11	3.68	47.79	74.00	-26.21	peak	
2	*	4874.325	33.49	3.68	37.17	54.00	-16.83	AVG	

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

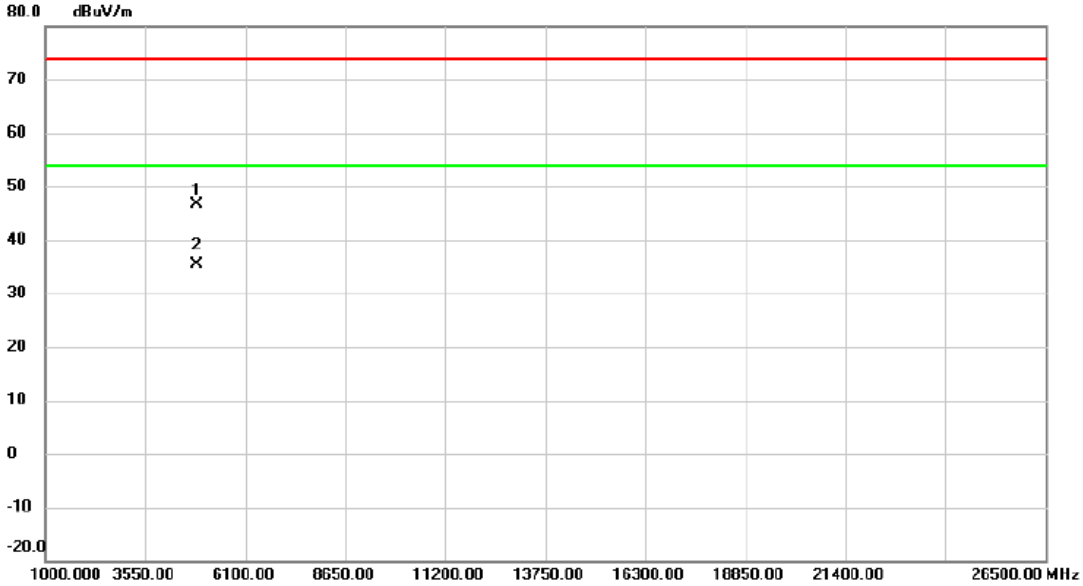
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2434.300	85.27	6.62	91.89	74.00	17.89	peak	No Limit
2	*	2451.500	76.91	6.61	83.52	54.00	29.52	AVG	No Limit

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

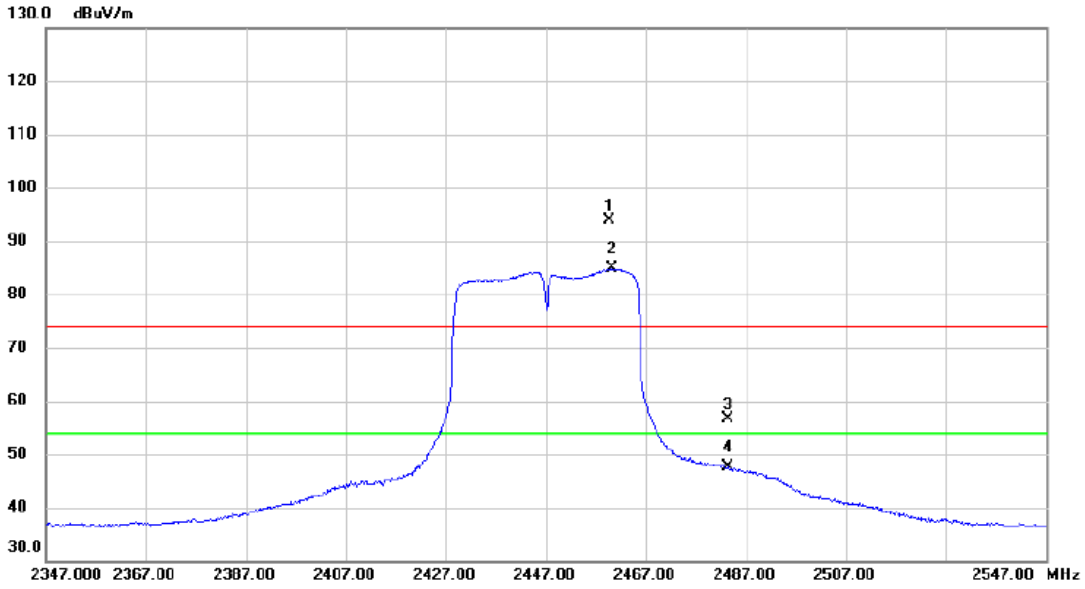
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4870.925	43.07	3.68	46.75	74.00	-27.25	peak	
2	*	4874.325	31.67	3.68	35.35	54.00	-18.65	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-40M Mode 2447MHz

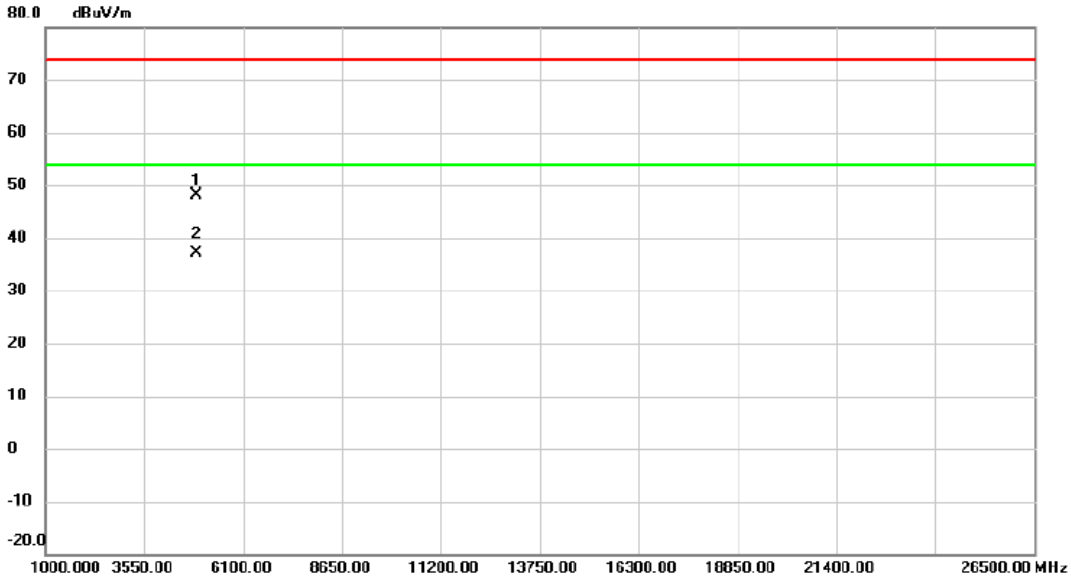
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2459.700	87.15	6.62	93.77	74.00	19.77	peak	No Limit
2	*	2460.300	78.21	6.62	84.83	54.00	30.83	AVG	No Limit
3		2483.500	50.03	6.61	56.64	74.00	-17.36	peak	
4		2483.500	40.97	6.61	47.58	54.00	-6.42	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-40M Mode 2447MHz

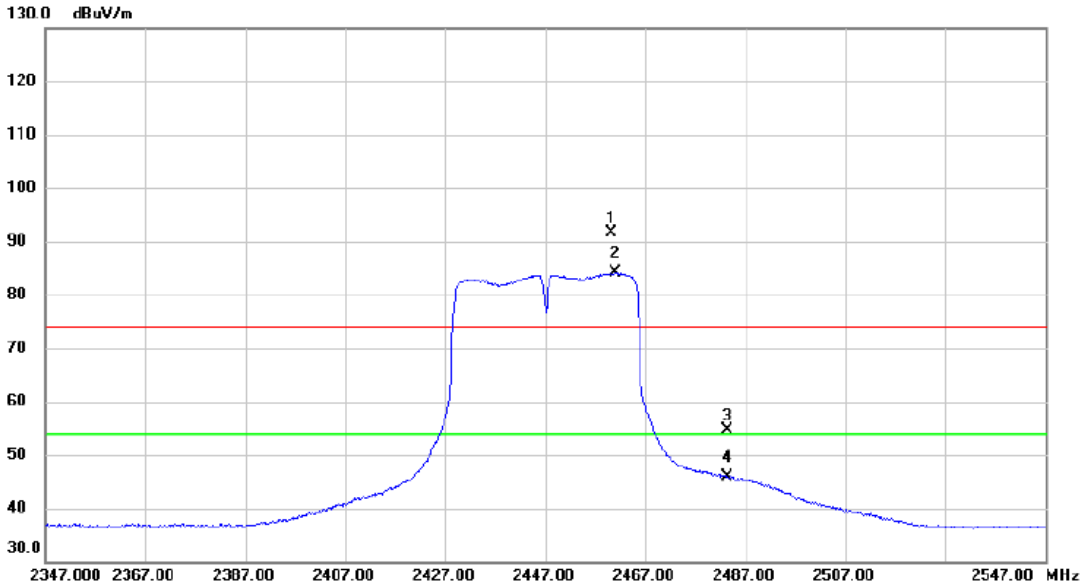
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4890.975	44.41	3.72	48.13	74.00	-25.87	peak	
2	*	4894.050	33.50	3.73	37.23	54.00	-16.77	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-40M Mode 2447MHz

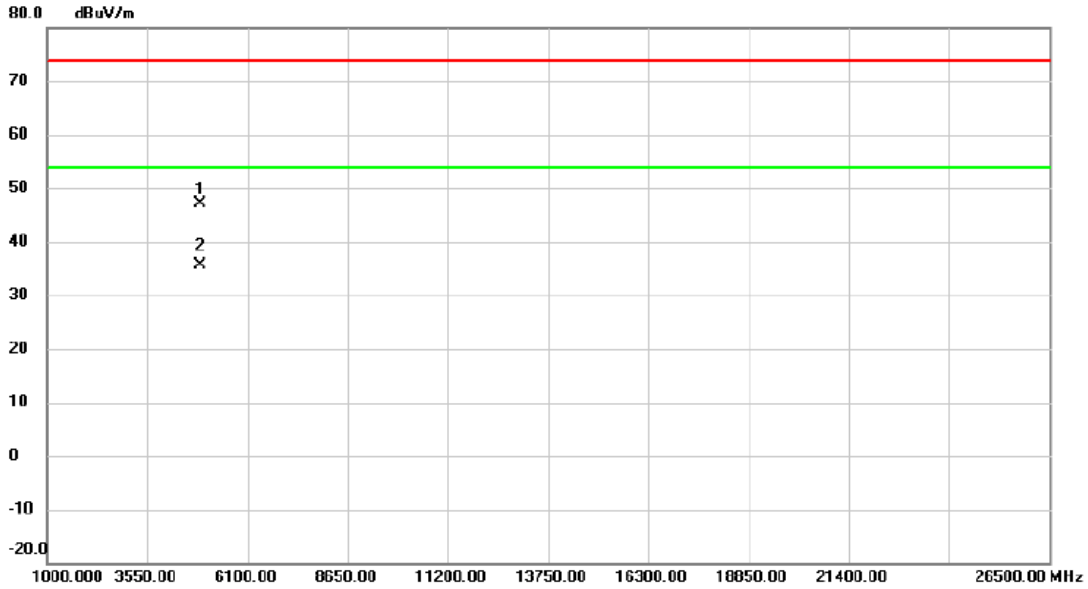
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2460.200	85.03	6.62	91.65	74.00	17.65	peak	No Limit
2	*	2461.000	77.50	6.61	84.11	54.00	30.11	AVG	No Limit
3		2483.500	48.12	6.61	54.73	74.00	-19.27	peak	
4		2483.500	39.23	6.61	45.84	54.00	-8.16	AVG	

Orthogonal Axis :	X
Test Mode :	TX AC-40M Mode 2447MHz

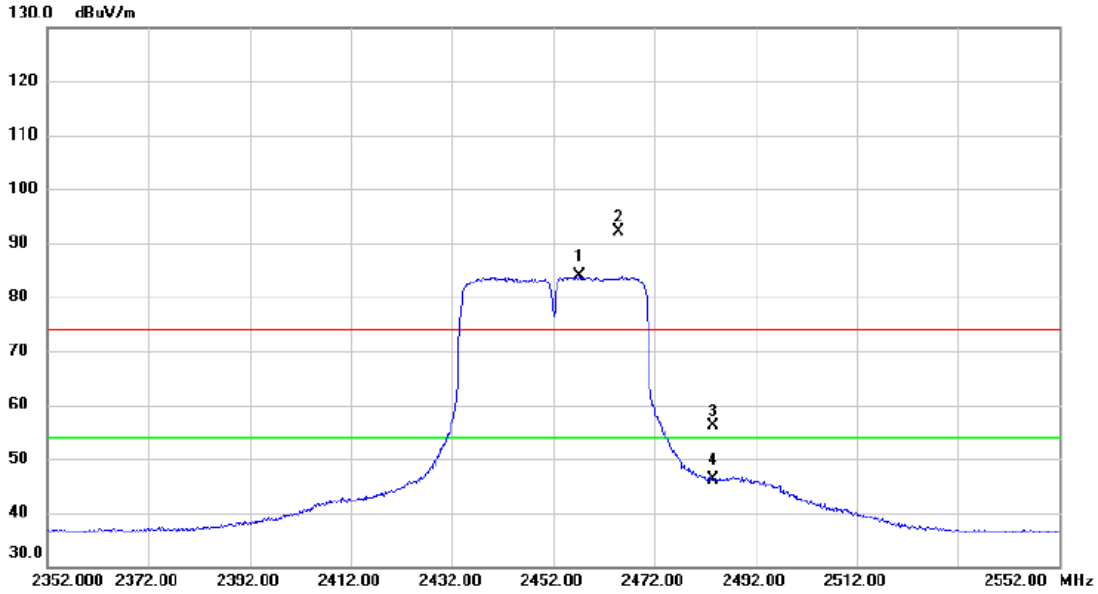
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4886.725	43.29	3.72	47.01	74.00	-26.99	peak	
2	*	4892.825	31.97	3.73	35.70	54.00	-18.30	AVG	

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

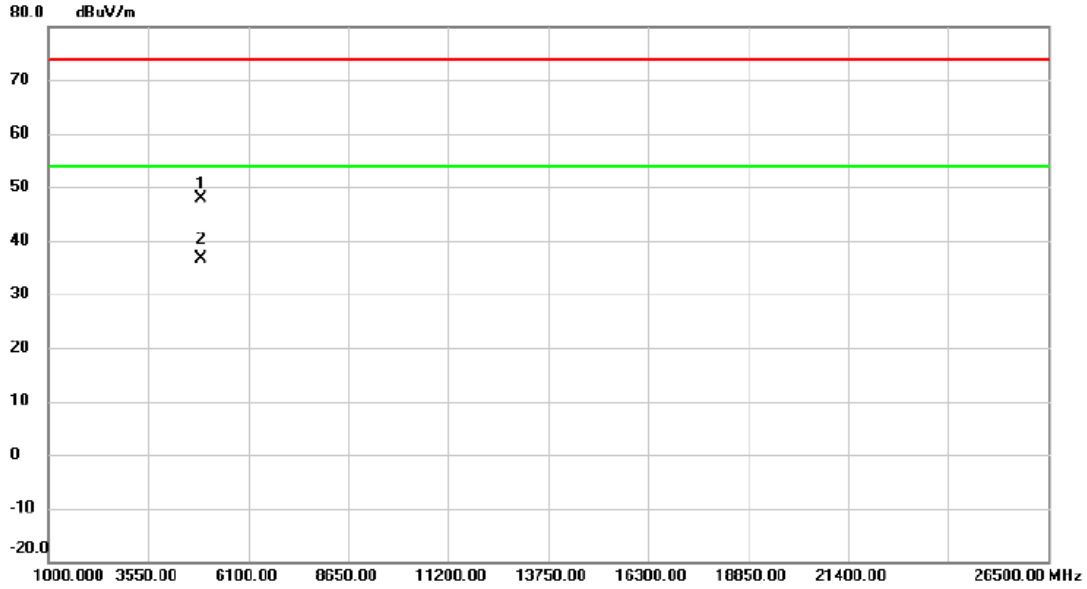
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2457.300	77.28	6.62	83.90	54.00	29.90	AVG	No Limit
2	X	2464.800	85.62	6.61	92.23	74.00	18.23	peak	No Limit
3		2483.500	49.44	6.61	56.05	74.00	-17.95	peak	
4		2483.500	39.60	6.61	46.21	54.00	-7.79	AVG	

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

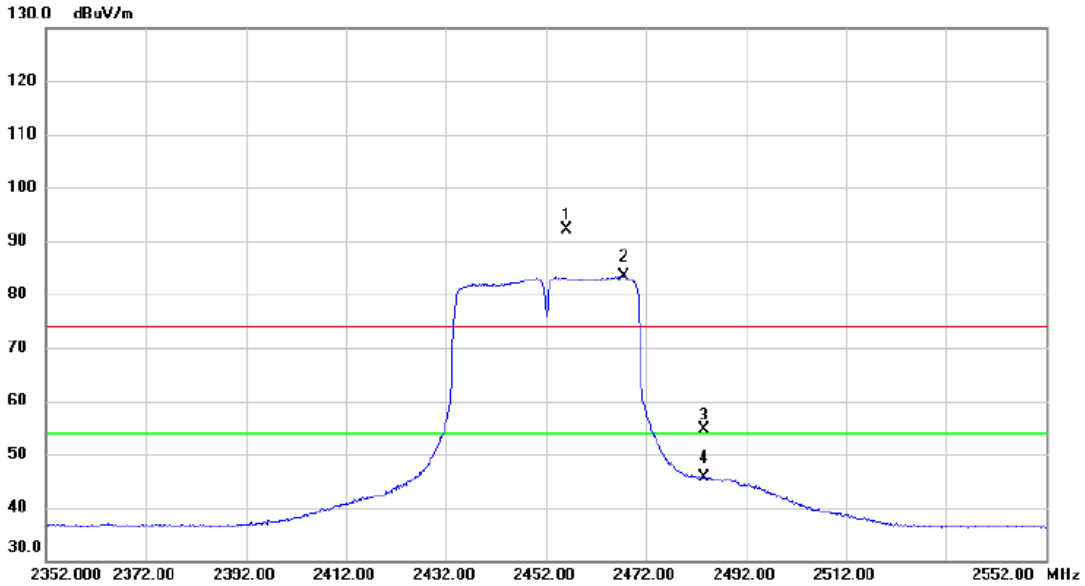
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4900.650	44.13	3.73	47.86	74.00	-26.14	peak	
2	*	4904.275	32.98	3.75	36.73	54.00	-17.27	AVG	

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

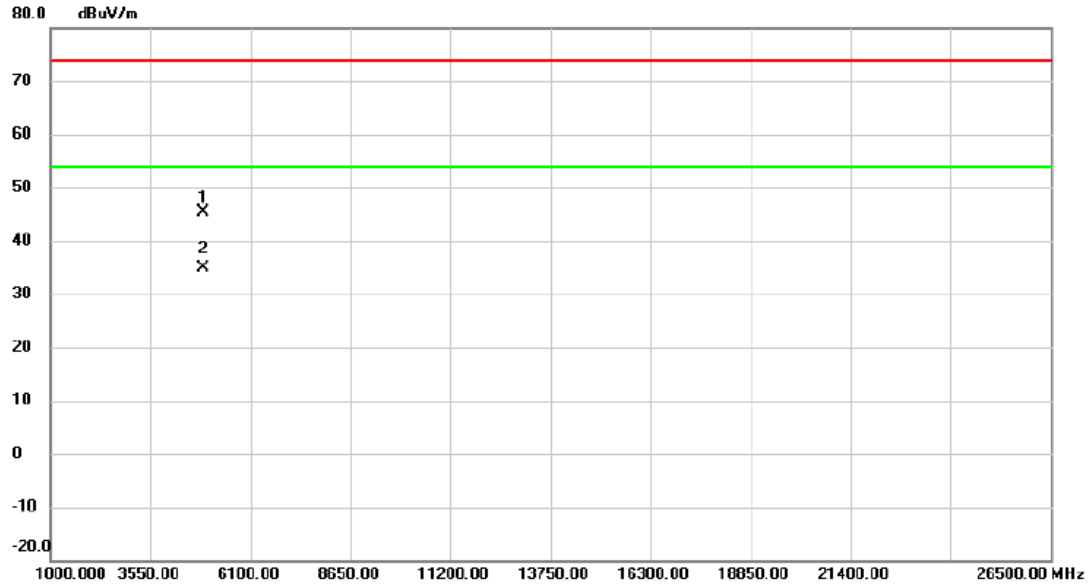
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2456.200	85.43	6.61	92.04	74.00	18.04	peak	No Limit
2	*	2467.700	76.80	6.61	83.41	54.00	29.41	AVG	No Limit
3		2483.500	48.03	6.61	54.64	74.00	-19.36	peak	
4		2483.500	39.12	6.61	45.73	54.00	-8.27	AVG	

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

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4897.875	41.53	3.74	45.27	74.00	-28.73	peak	
2	*	4902.950	31.13	3.75	34.88	54.00	-19.12	AVG	

TX B Mode_DUTY CYCLE

Duty cycle: TX 2412 MHz

Duty cycle = T_{ON} / T_{Total}

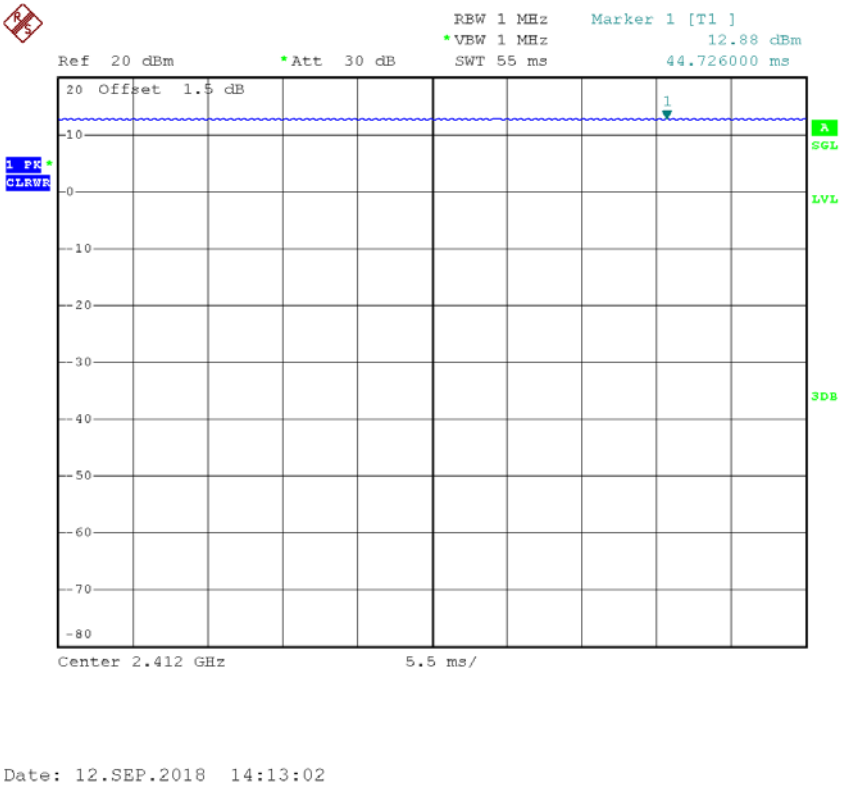
T_{ON}: 1.00 msec

T_{Total}: 1.00 msec

Duty cycle: 100.0%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



Note: The duty cycle is ≥ 98 % no need to calculate as Duty Factor.

TX G Mode_DUTY CYCLE

Duty cycle: TX 2412 MHz

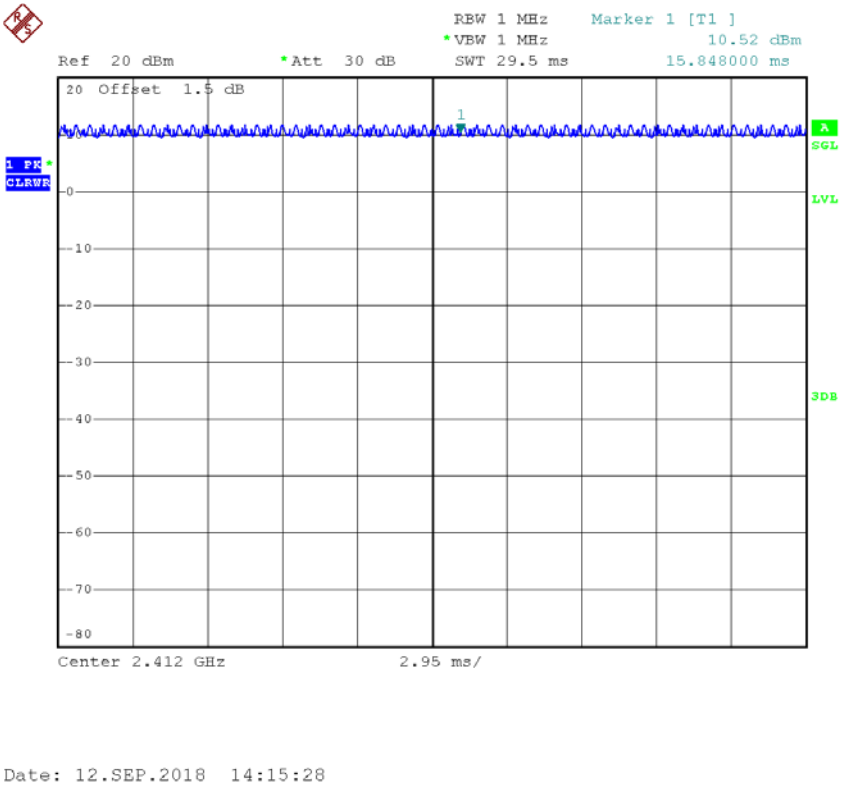
T_{ON}: 1.00 msec

T_{Total}: 1.00 msec

Duty cycle: 100.0%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



Date: 12.SEP.2018 14:15:28

Note: The duty cycle is ≥ 98 % no need to calculate as Duty Factor.

TX N20 Mode_DUTY CYCLE

Duty cycle: TX 2412 MHz

Duty cycle = T_{ON} / T_{Total}

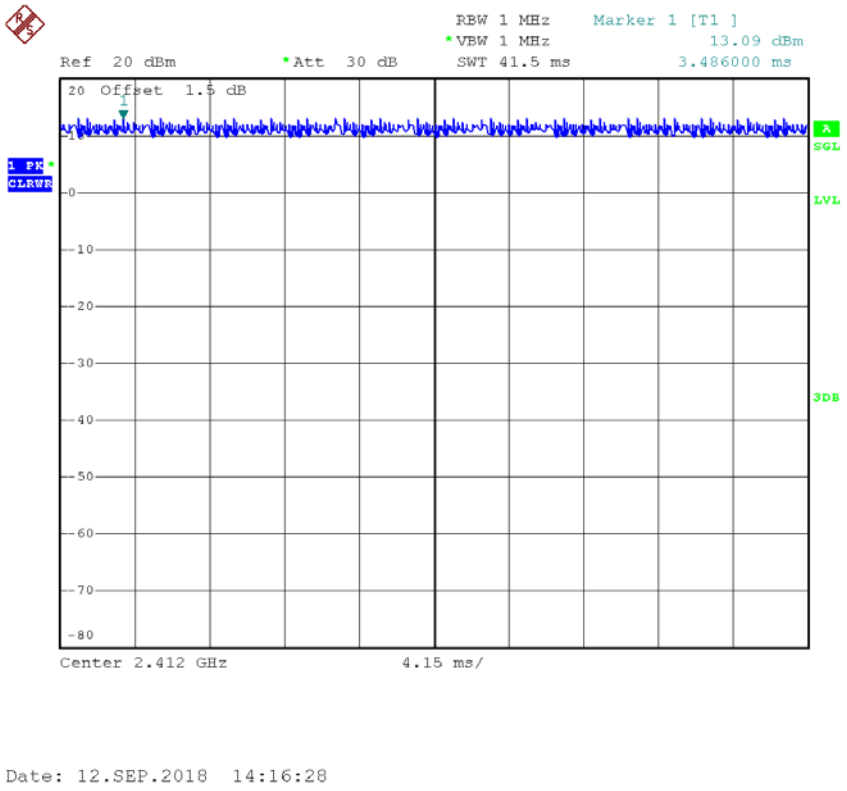
T_{ON}: 1.00 msec

T_{Total}: 1.00 msec

Duty cycle: 100.0%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



Note: The duty cycle is ≥ 98 % no need to calculate as Duty Factor.

TX N40 Mode_DUTY CYCLE

Duty cycle: TX 2422MHz

Duty cycle = T_{ON} / T_{Total}

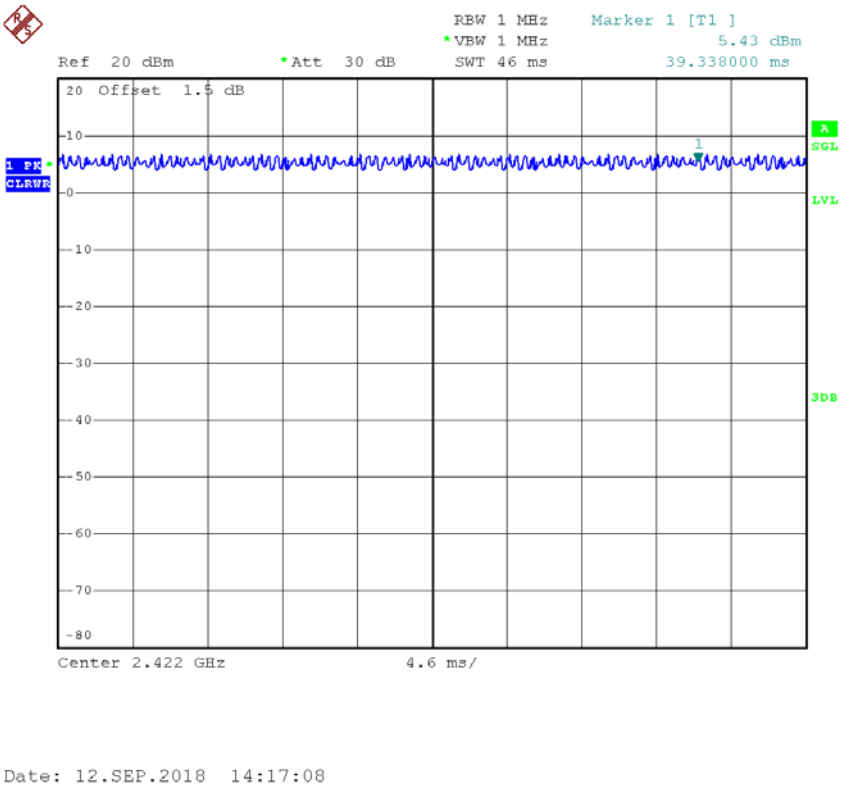
T_{ON}: 1.00 msec

T_{Total}: 1.00 msec

Duty cycle: 100.0%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



Note: The duty cycle is ≥ 98 % no need to calculate as Duty Factor.

TX AC20 Mode_DUTY CYCLE

Duty cycle: TX 2412 MHz

Duty cycle = T_{ON} / T_{Total}

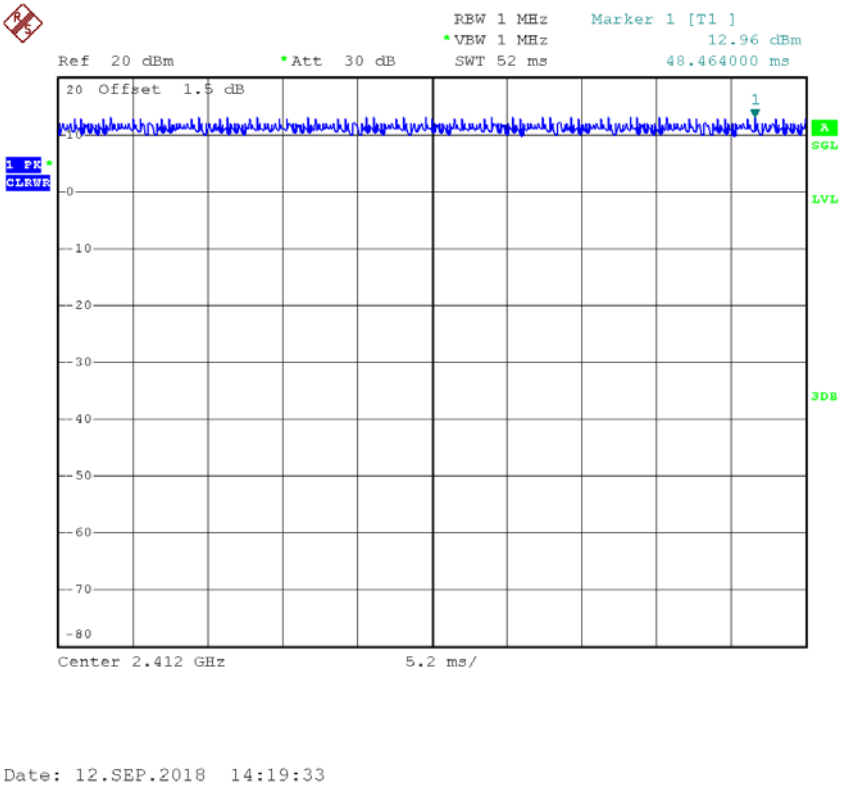
T_{ON}: 1.00 msec

T_{Total}: 1.00 msec

Duty cycle: 100.0%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



Note: The duty cycle is ≥ 98 % no need to calculate as Duty Factor.

TX ac40 Mode_DUTY CYCLE

Duty cycle: TX 2422MHz

Duty cycle = T_{ON} / T_{Total}

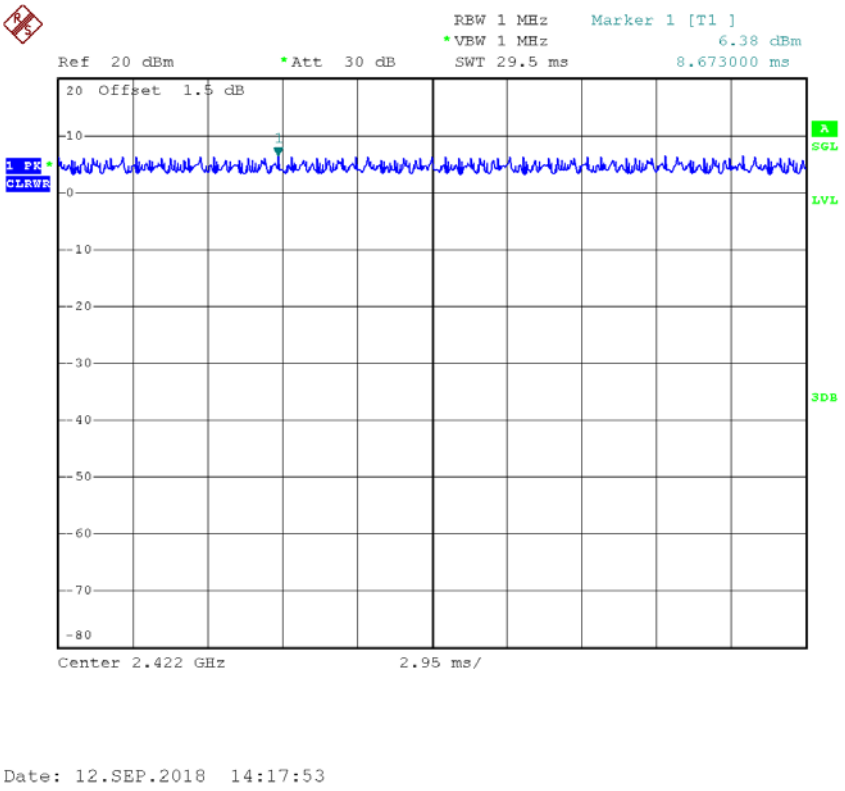
T_{ON}: 1.00 msec

T_{Total}: 1.00 msec

Duty cycle: 100.0%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



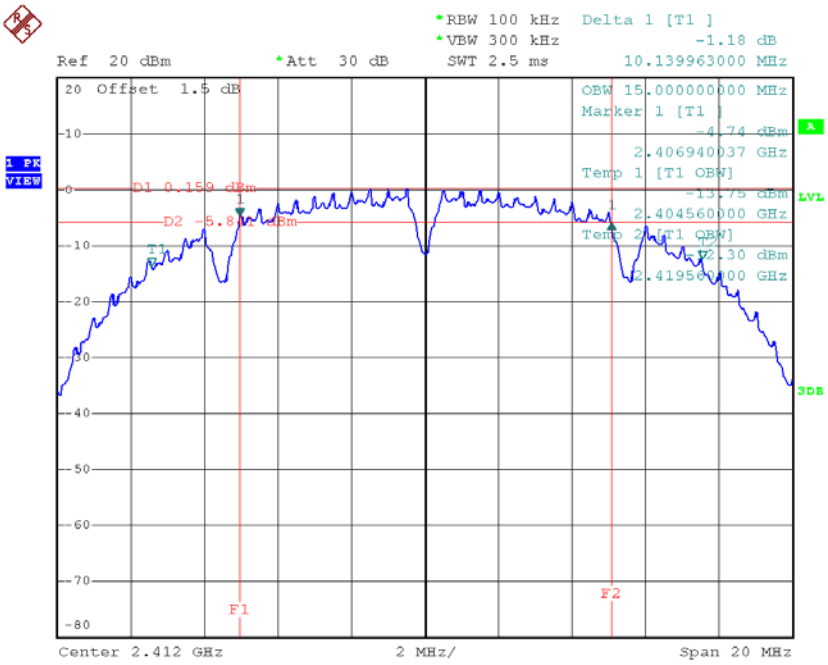
Note: The duty cycle is ≥ 98 % no need to calculate as Duty Factor.

APPENDIX E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

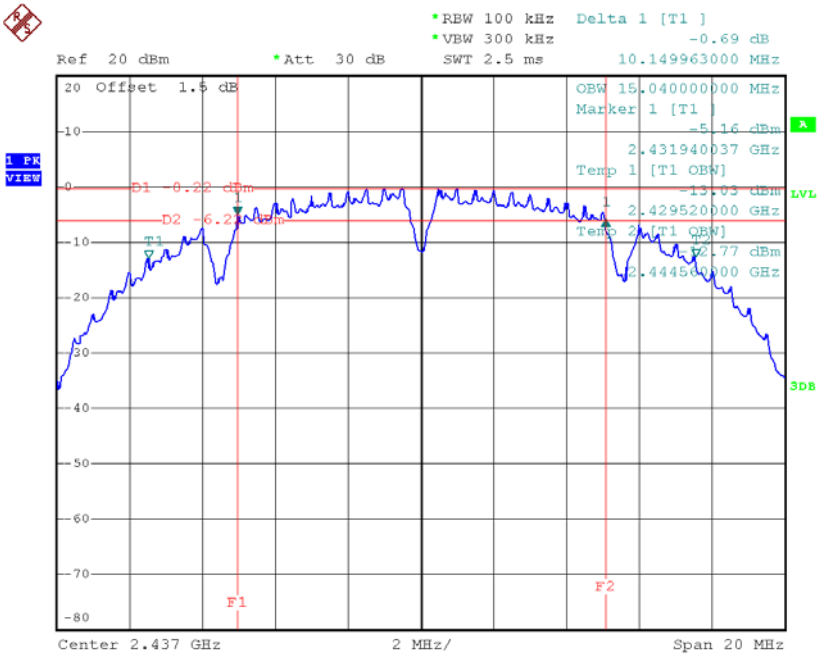
Frequency (MHz)	6dB Bandwidth (MHz)	Min. Limit (kHz)	Test Result
2412	10.14	500	Complies
2437	10.15	500	Complies
2462	10.14	500	Complies

TX CH01



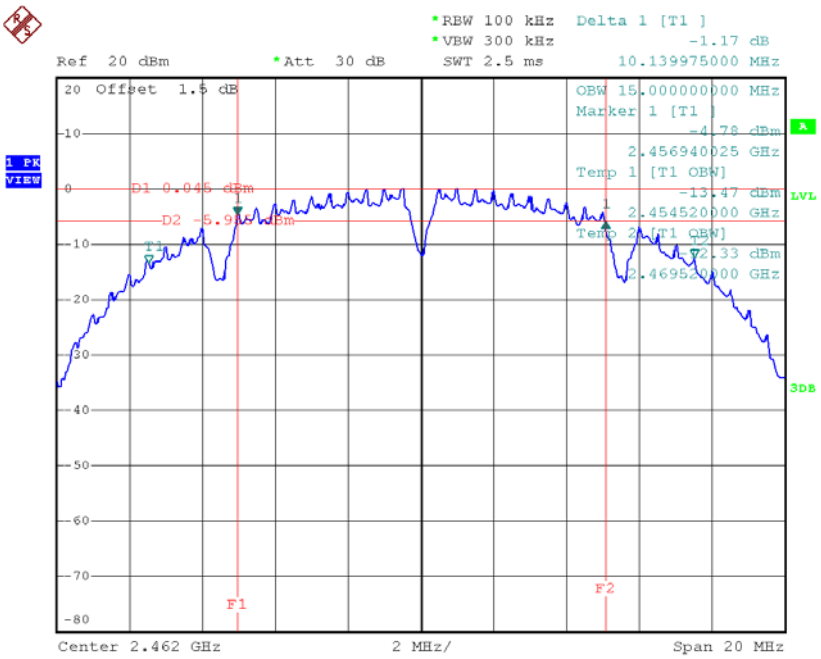
Date: 25.SEP.2018 16:58:56

TX CH06



Date: 25.SEP.2018 16:59:40

TX CH11

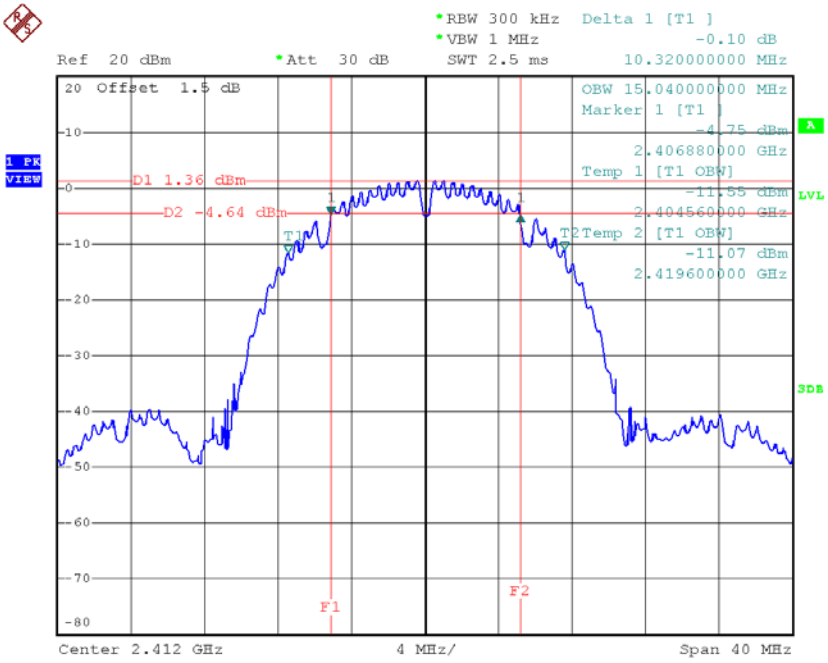


Date: 25.SEP.2018 17:00:30

Test Mode: TX B Mode_CH01/06/11

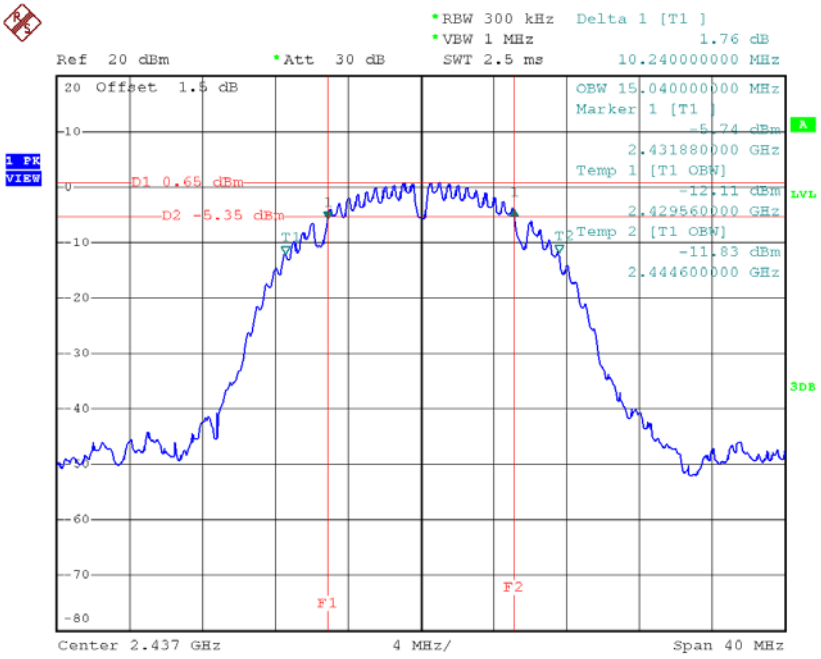
Frequency (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.04	500	Complies
2437	15.04	500	Complies
2462	15.04	500	Complies

TX CH01



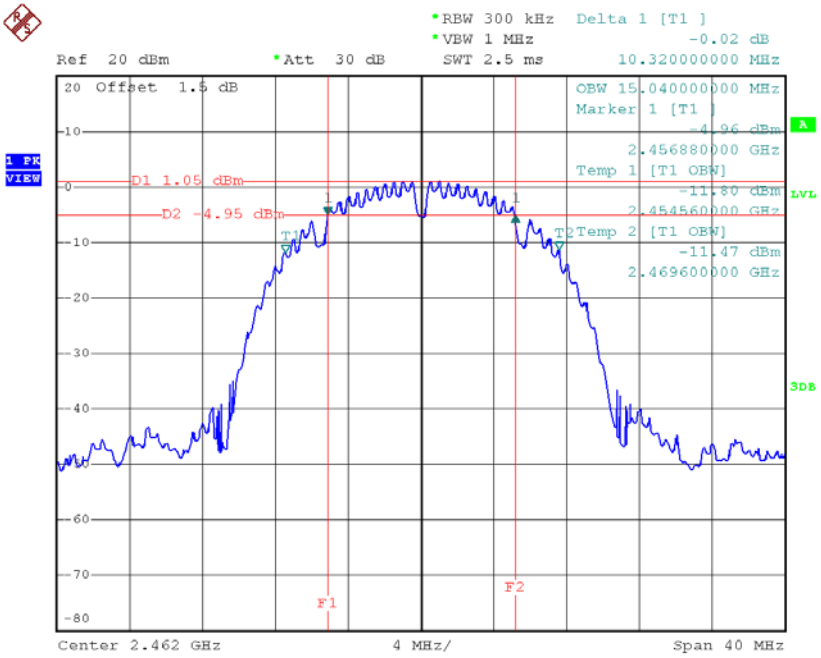
Date: 25.SEP.2018 14:08:59

TX CH06



Date: 25.SEP.2018 14:13:25

TX CH11

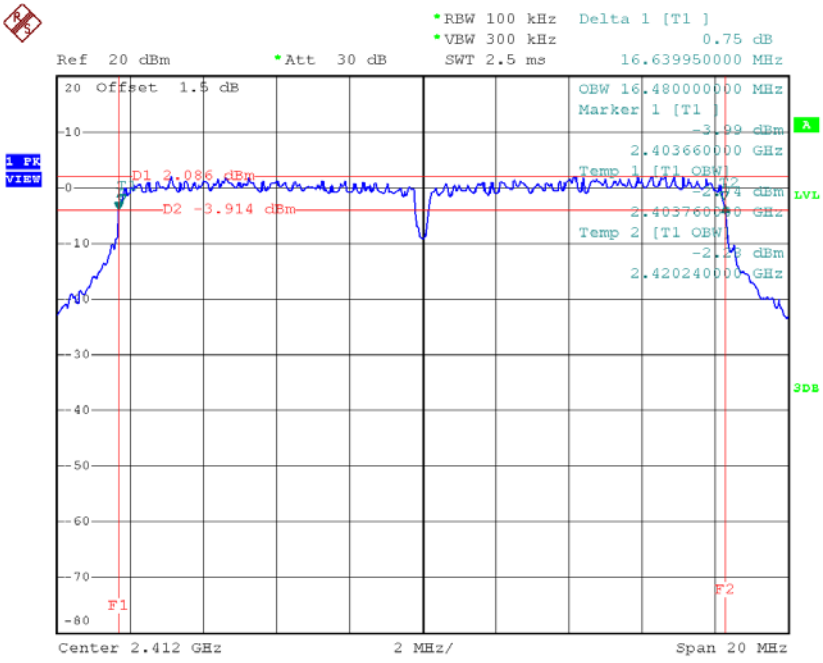


Date: 25.SEP.2018 14:16:00

Test Mode: TX G Mode_CH01/06/11			

Frequency (MHz)	6dB Bandwidth (MHz)	Min. Limit (kHz)	Test Result
2412	16.64	500	Complies
2437	16.60	500	Complies
2462	16.61	500	Complies

TX CH01



Date: 25.SEP.2018 17:00:59