

FCC Radio Test Report

FCC ID: 2AFG6-C65CA

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

Project No. : 1611C191C
Equipment : Conference Flat Panel
Test Model : C65CA
Series Model : C65CB, C65CC, C65CD, C65CE
Applicant : Guangzhou Shirui Electronics Co.,Ltd
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Date of Receipt : Jun. 26, 2017
Date of Test : Jun. 26, 2017 ~ Jul. 11, 2017
Issued Date : Jul. 12, 2017
Tested by : BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1611C191C	Original Issue.	Jul. 12, 2017

1. CERTIFICATION

Equipment : Conference Flat Panel
Brand Name : MAXHUB, CVTOUCH
Test Model : C65CA
Series Model : C65CB, C65CC, C65CD, C65CE
Applicant : Guangzhou Shirui Electronics Co.,Ltd
Manufacturer : Guangzhou Shirui Electronics Co.,Ltd
Address : No.192,KeZhu Road,Science Park,Economic-Technological Development
Area,Guangzhou,Guangdong,China
Date of Test : Jun. 26, 2017 ~ Jul. 11, 2017
Test Sample : Engineering Sample
Standard(s) : FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1611C191C) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

(1) "N/A" denotes test is not applicable in this test report.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
 BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Conference Flat Panel	
Brand Name	MAXHUB, CVTOUCH	
Test Model	C65CA	
Series Model	C65CB, C65CC, C65CD, C65CE	
Model Difference	Only differ in the marketing area.	
Product Description	Operation Frequency	2412~2462 MHz
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM
	Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n: up to 150 Mbps
	Output Power (Max.)	802.11b: 19.1dBm 802.11g: 22.47dBm 802.11n(20MHz): 21.31dBm 802.11n(40MHz): 21.12dBm
Power Source	AC Mains.	
Power Rating	AC 100-240V~ 50/60Hz 2.5A	

Note:

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

2. Channel List:

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

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	3

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 5	Normal Link

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

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

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

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

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

Note:

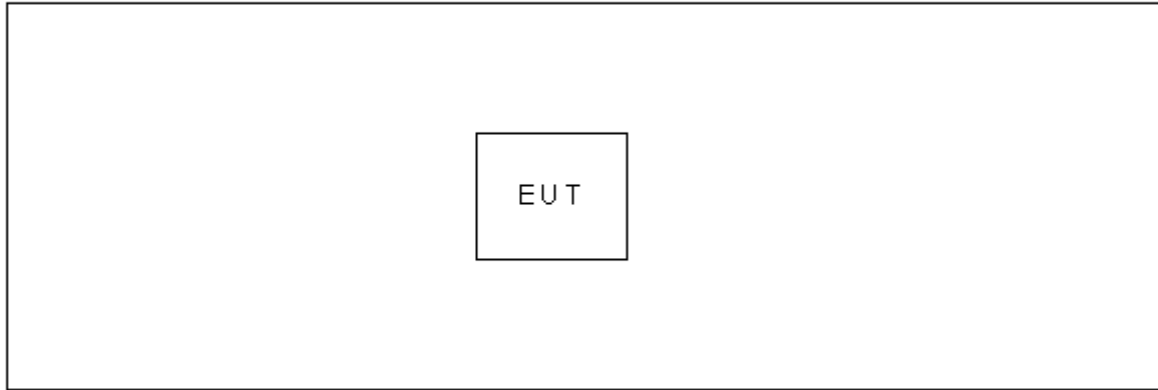
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : BPSK (6.5Mbps)
 802.11n HT40 mode : BPSK (13.5Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.
- (4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	RF_TEST_TOOL		
Frequency (MHz)	2412	2437	2462
802.11b	47	46	45
802.11g	52	52	51
802.11n (20MHz)	51	50	49
Frequency	2422	2437	2452
802.11n (40MHz)	51	51	50

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

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

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average \square
0.15 -0.50	66 to 56*	56 to 46*
0.50 -5.0	56	46
5.0 -30.0	60	50

Note:

- (1) The limit of " * " decreases with the logarithm of the frequency
- (2) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
 Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

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

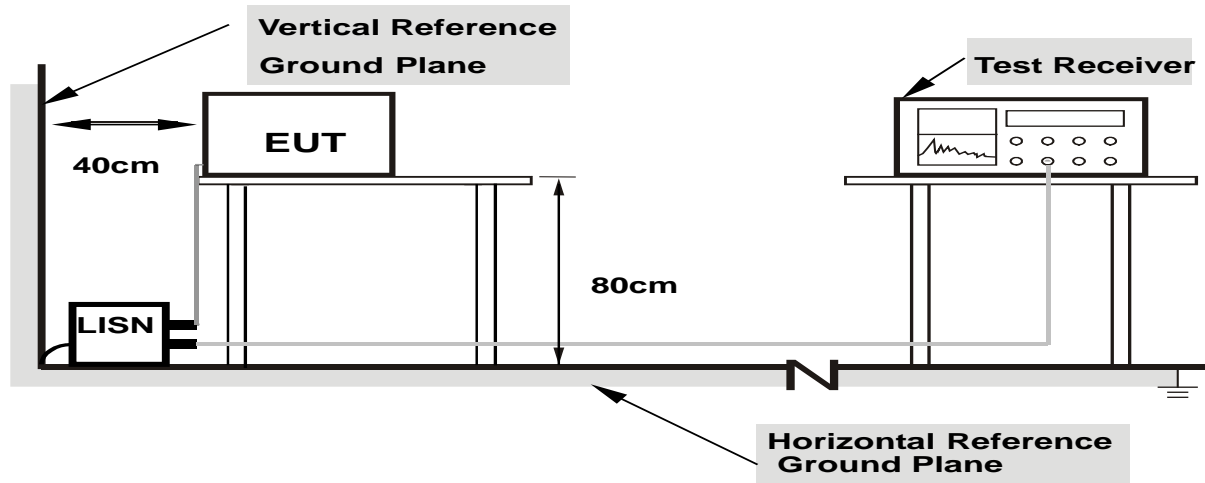
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



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

4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

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

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

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

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

4.2.2 TEST PROCEDURE

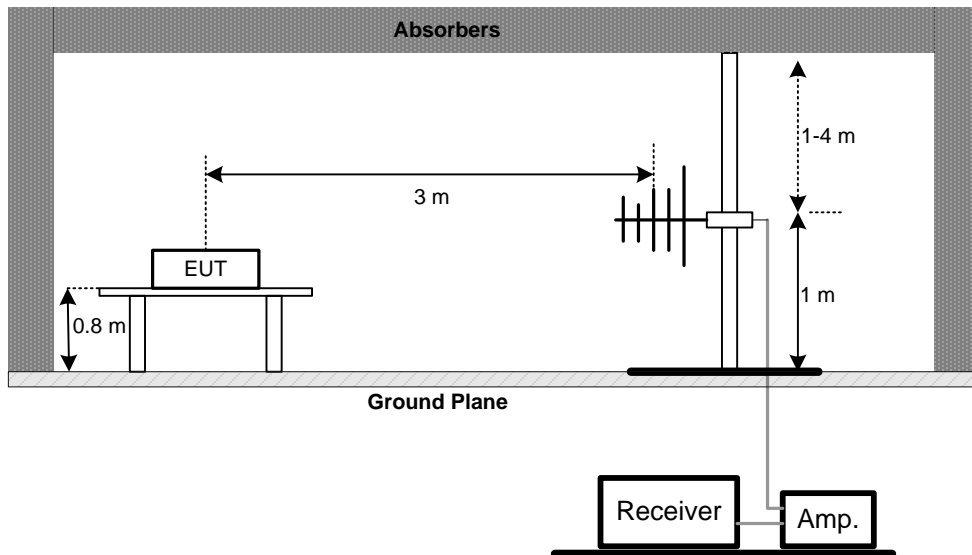
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

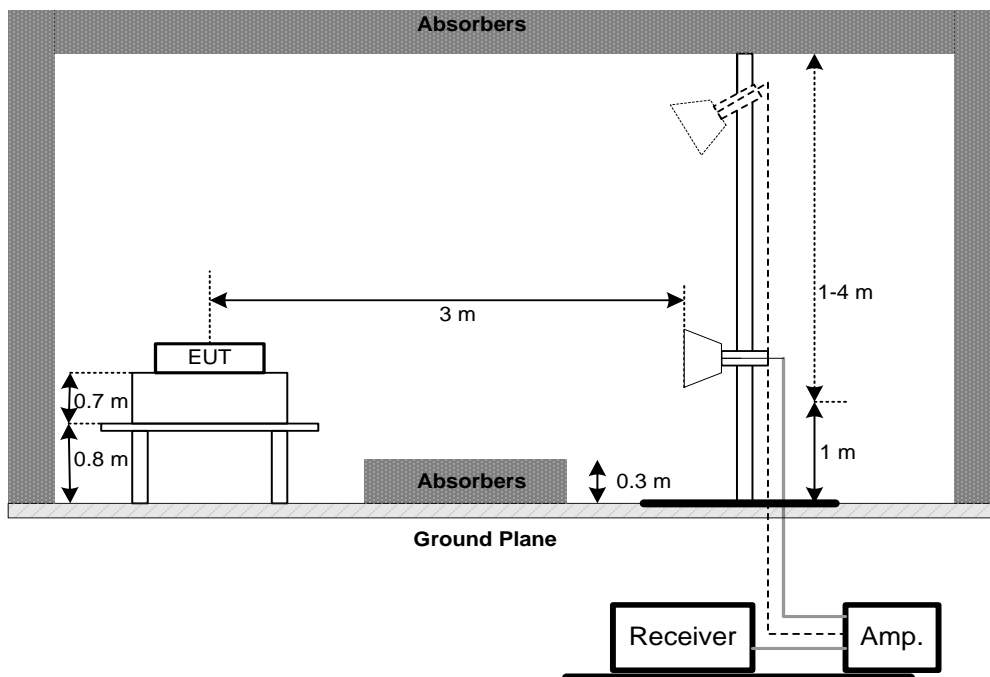
No deviation

4.2.4 TEST SETUP

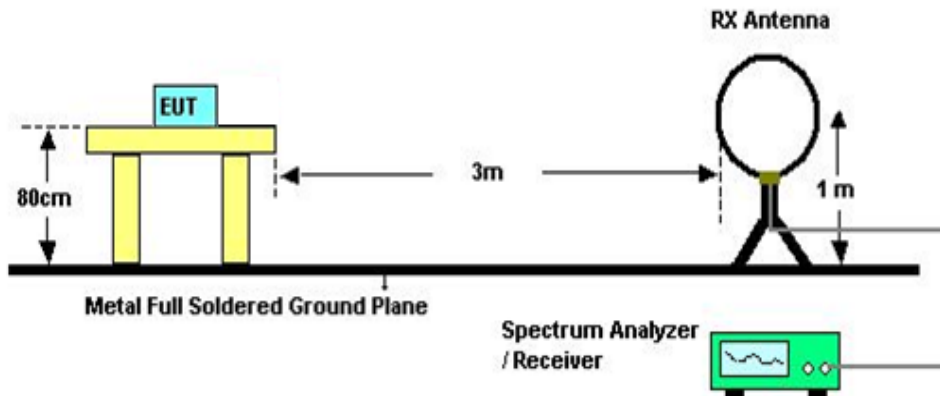
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = $40 \log(\text{specific distance} / \text{test distance})$ (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

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

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

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

5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = Auto.
- c. Offset=antenna gain+cable loss

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	0052765	Mar. 26, 2018
2	LISN	R&S	ENV216	101447	Mar. 26, 2018
3	Test Cable	emci	RG223(9KHz -30MHz)	C_17	Oct. 20, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 26, 2018
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 26, 2018
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1 -01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
3	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 04, 2017
4	Test Cable	emci	LMR-400(30MH z-1GHz)	C-01	Jun. 26, 2018
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF78020841 6	N/A
7	Antenna	ETS	3115	00075789	Mar. 26, 2018
8	Amplifier	Agilent	8449B	3008A02274	May 16, 2018
9	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 04, 2017
10	Test Cable	emci	EMC104-SM-S M-10000(1GHz -26.5GHz)	C-68	Jun. 26, 2018
11	Controller	CT	SC100	N/A	N/A
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 08, 2018
13	Microwave Pre-amplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
14	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
15	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Sep. 04, 2017
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Sep. 04, 2017

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

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

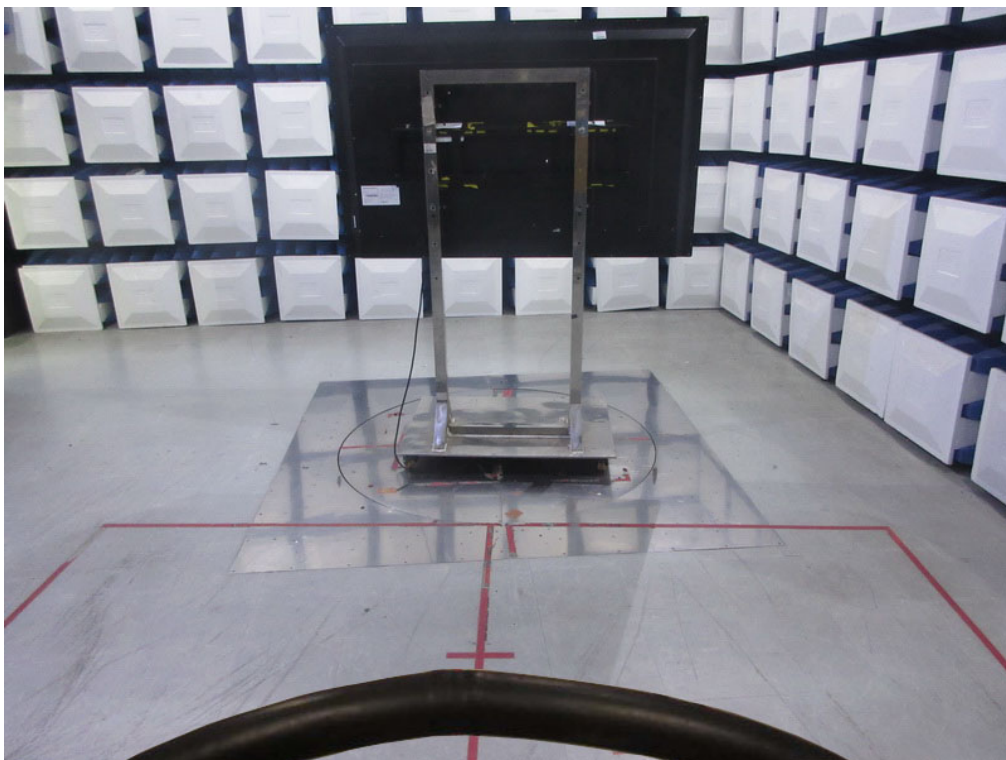
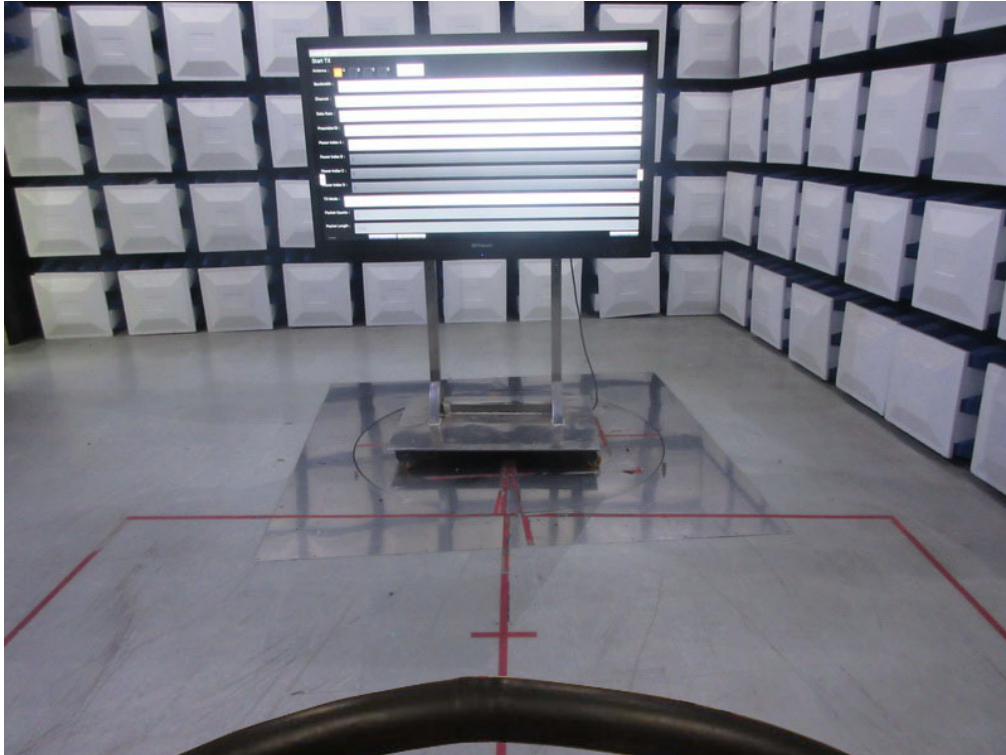
10. EUT TEST PHOTO

Conducted Measurement Photos



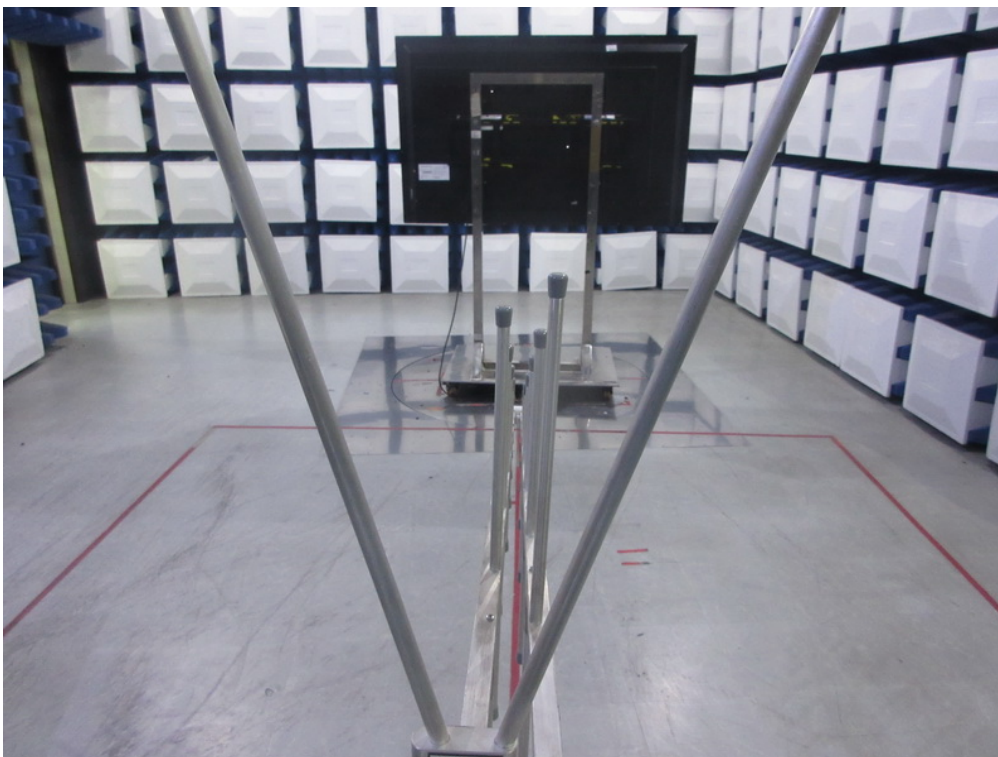
Radiated Measurement Photos

9KHz to 30MHz



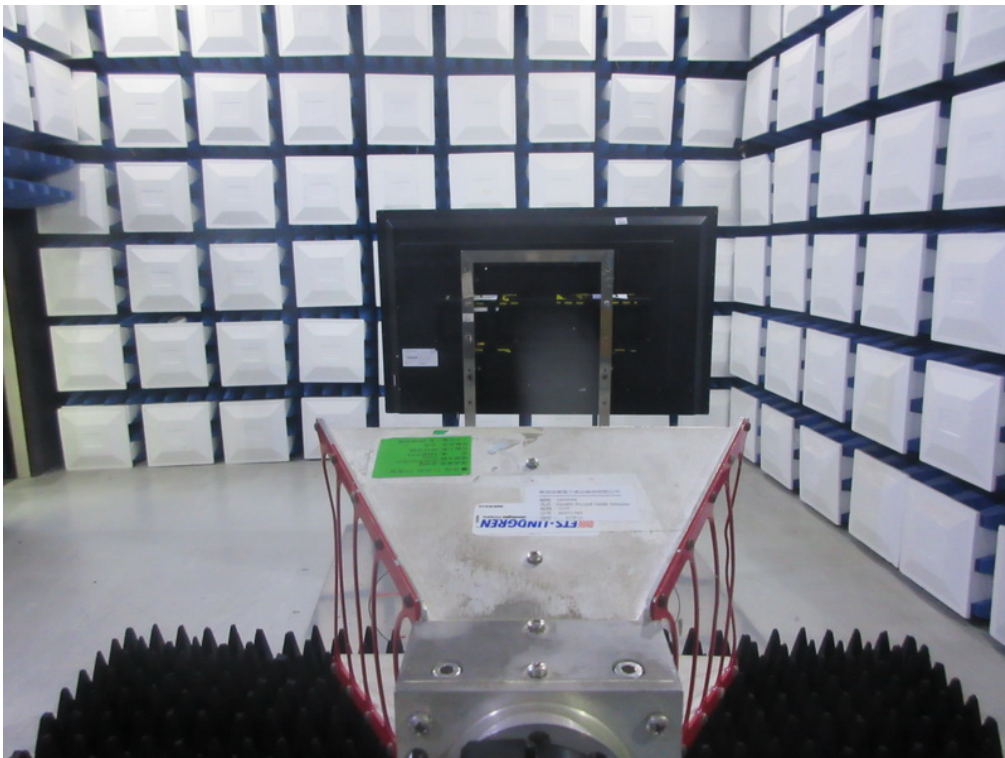
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

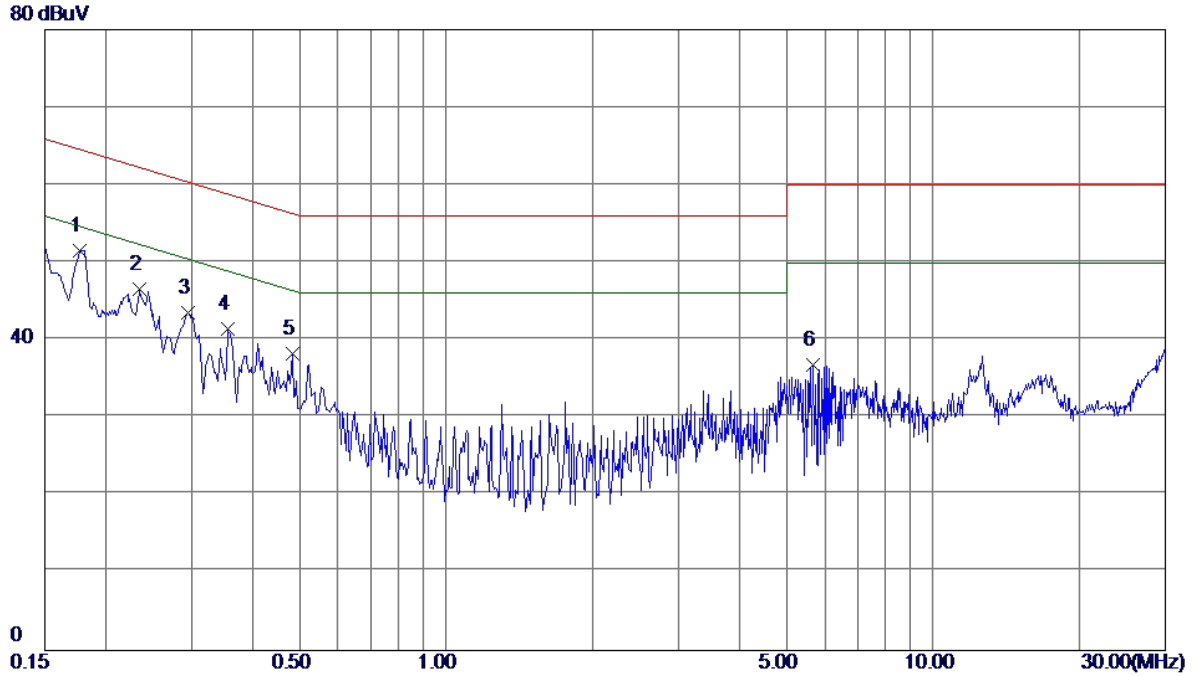
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : Normal Link

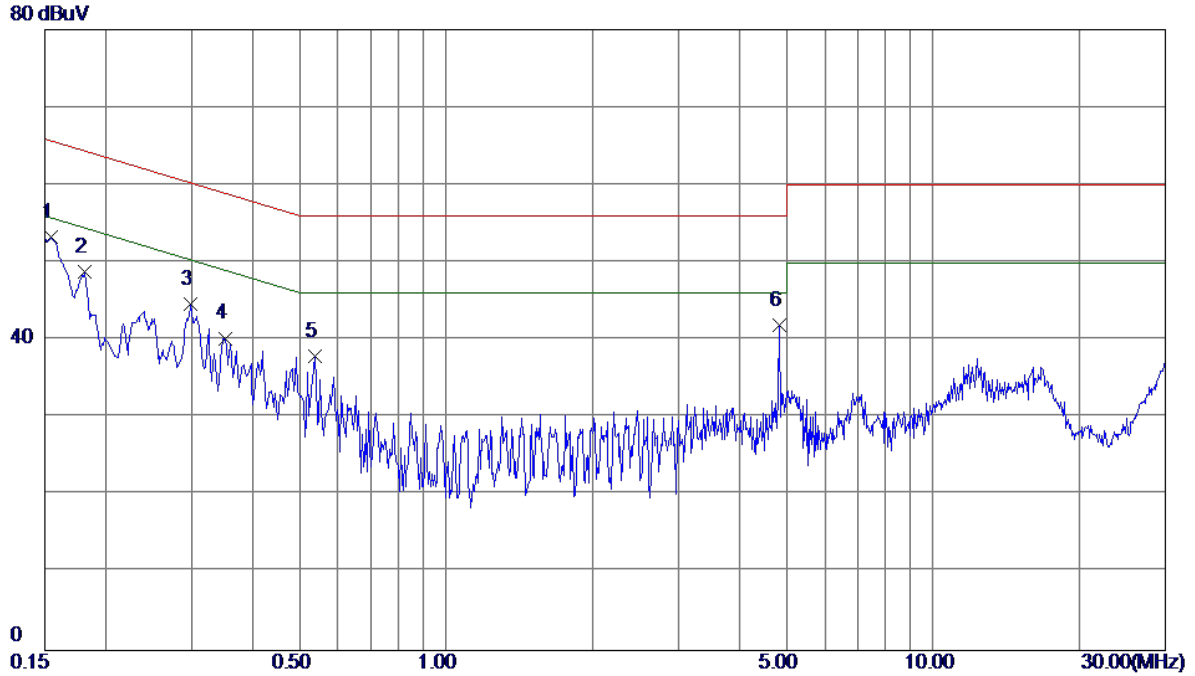
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1770	41.69	9.78	51.47	64.63	-13.16	Peak	
2	0.2353	36.80	9.76	46.56	62.26	-15.70	Peak	
3	0.2953	33.83	9.76	43.59	60.37	-16.78	Peak	
4	0.3570	31.59	9.79	41.38	58.80	-17.42	Peak	
5	0.4830	28.39	9.80	38.19	56.29	-18.10	Peak	
6	5.6579	26.64	10.12	36.76	60.00	-23.24	Peak	

Test Mode : Normal Link

Neutral



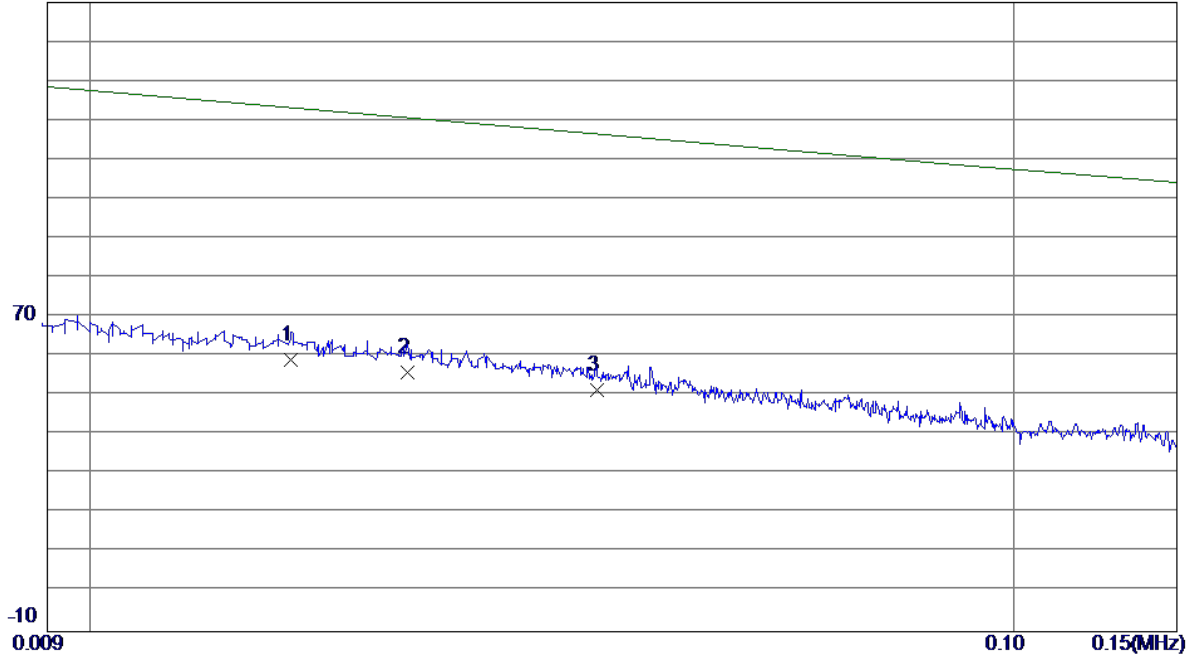
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1544	43.53	9.68	53.21	65.76	-12.55	Peak	
2	0.1814	39.12	9.68	48.80	64.42	-15.62	Peak	
3	0.2983	34.89	9.68	44.57	60.29	-15.72	Peak	
4	0.3523	30.54	9.70	40.24	58.91	-18.67	Peak	
5	0.5370	28.27	9.70	37.97	56.00	-18.03	Peak	
6	4.8433	31.98	10.00	41.98	56.00	-14.02	Peak	

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

Test Mode: TX B MODE CHANNEL 01

Ant 0°

150 dBuV/m

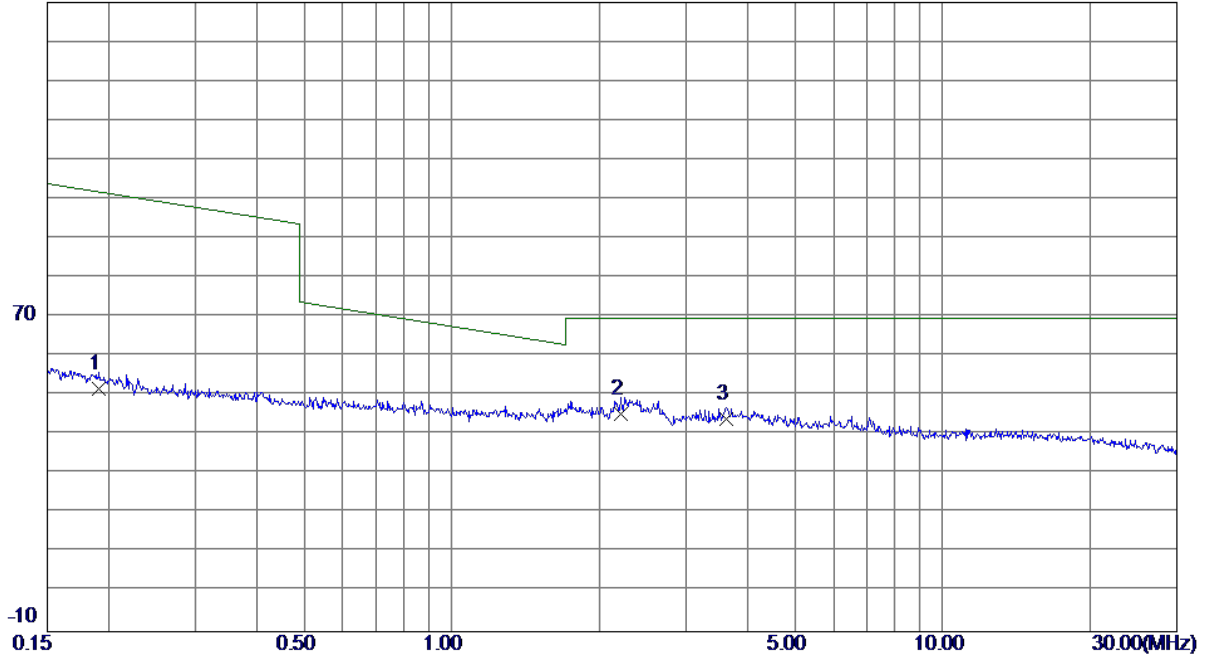


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	0.0165	35.30	23.73	59.03	126.64	-67.61	AVG	
2	0.0221	32.69	23.26	55.95	125.26	-69.31	AVG	
3	0.0354	29.97	21.62	51.59	121.98	-70.39	AVG	

Test Mode: TX B MODE CHANNEL 01

Ant 0°

150 dBuV/m

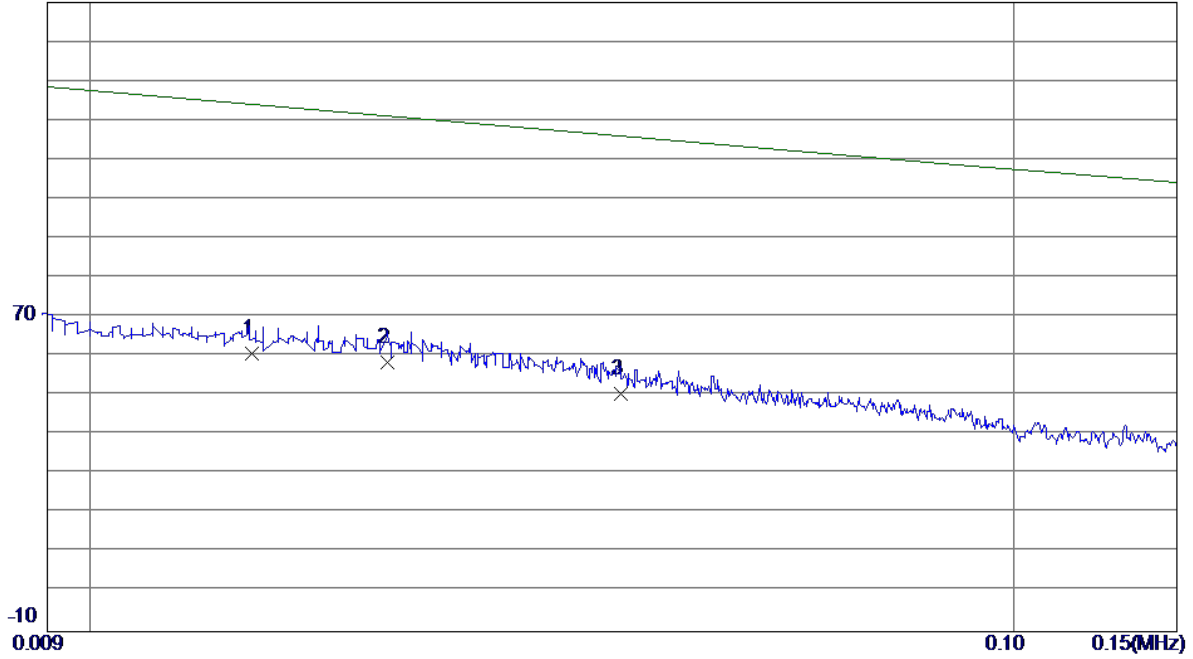


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.1912	33.08	18.70	51.78	104.01	-52.23	AVG	
2 *	2.2130	27.88	17.63	45.51	69.54	-24.03	QP	
3	3.6225	25.98	17.95	43.93	69.54	-25.61	QP	

Test Mode: TX B MODE CHANNEL 01

Ant 90°

150 dBuV/m

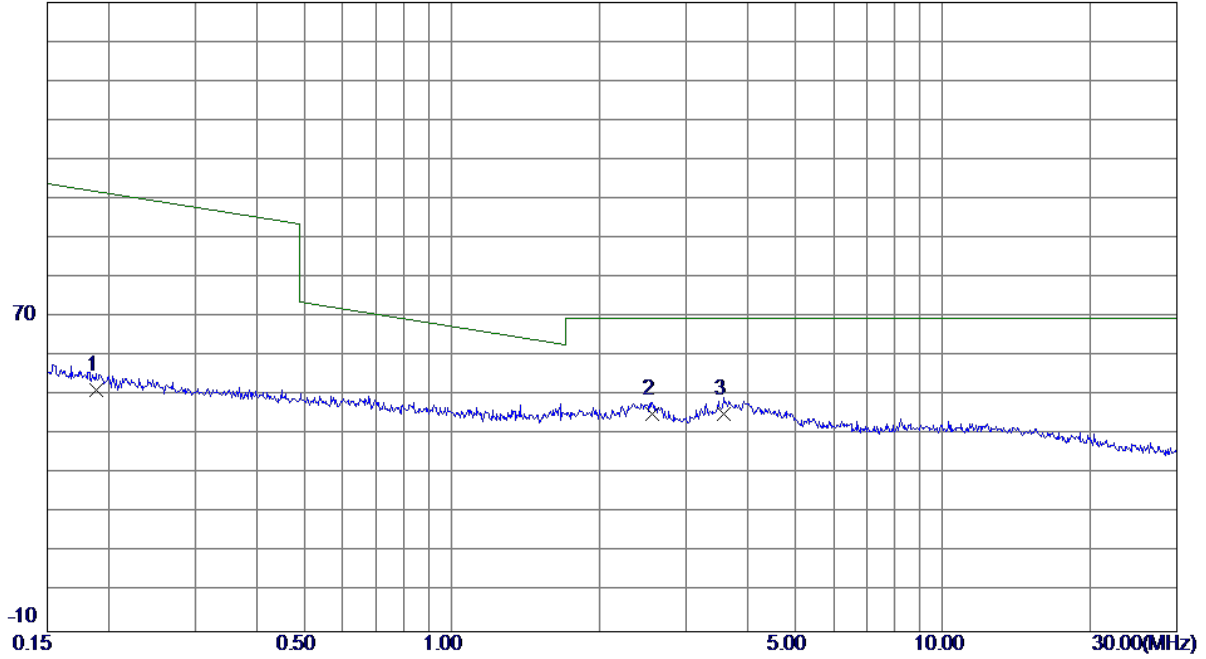


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	0.0150	36.94	23.82	60.76	127.01	-66.25	AVG	
2	0.0210	35.16	23.40	58.56	125.53	-66.97	AVG	
3	0.0376	29.11	21.35	50.46	121.43	-70.97	AVG	

Test Mode: TX B MODE CHANNEL 01

Ant 90°

150 dBuV/m

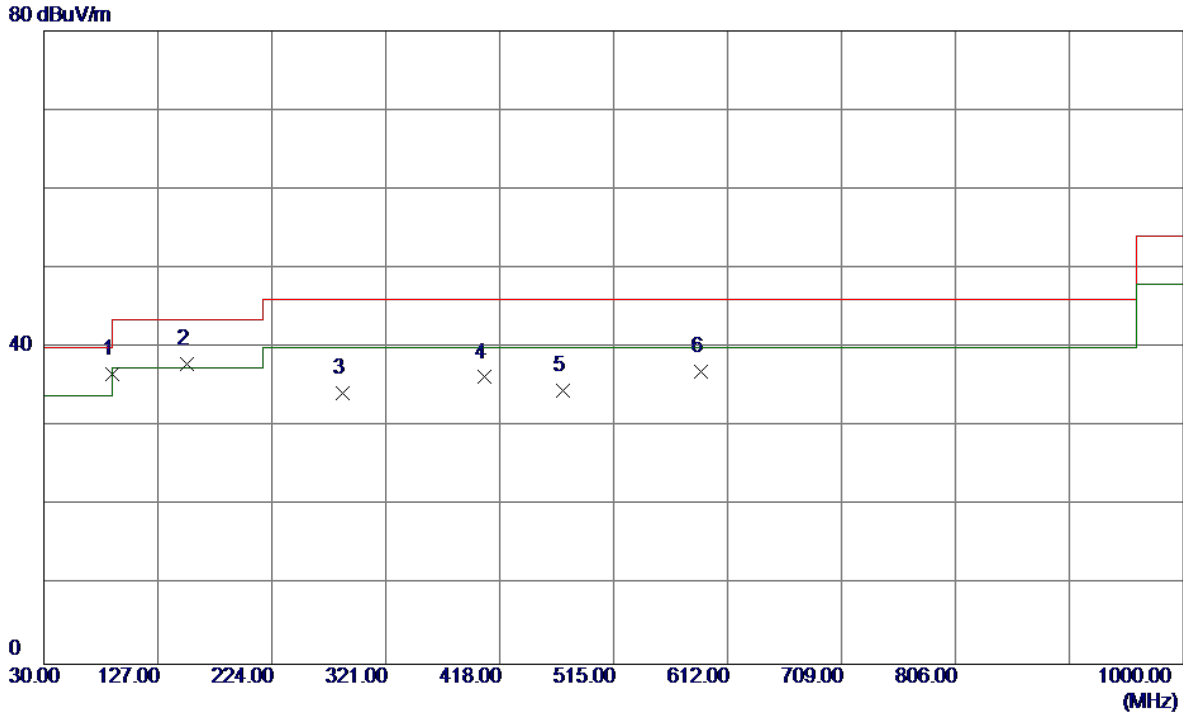


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.1882	32.77	18.70	51.47	104.11	-52.64	AVG	
2	2.5670	28.15	17.18	45.33	69.54	-24.21	QP	
3 *	3.5842	27.64	17.87	45.51	69.54	-24.03	QP	

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

Test Mode: TX B MODE CHANNEL 01

Vertical

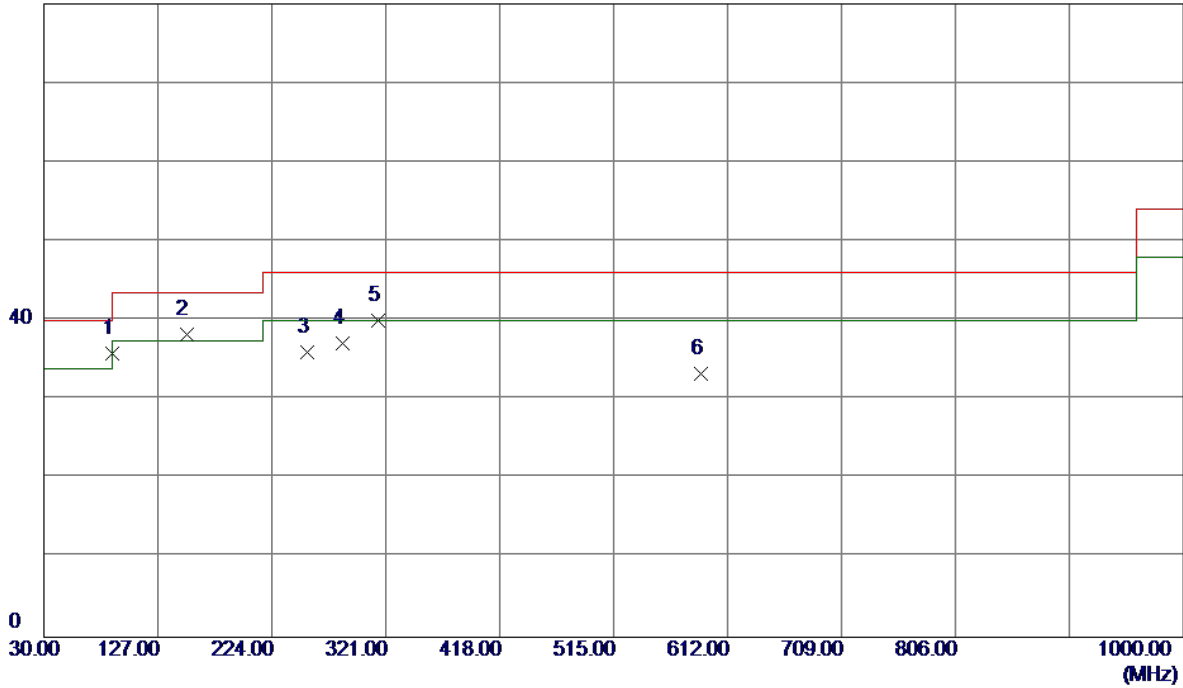


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	87.7149	53.73	-17.14	36.59	40.00	-3.41	Peak	
2	151.7350	49.89	-11.93	37.96	43.50	-5.54	Peak	
3	284.6250	46.13	-11.94	34.19	46.00	-11.81	Peak	
4	404.9050	44.23	-7.99	36.24	46.00	-9.76	Peak	
5	472.3200	40.89	-6.37	34.52	46.00	-11.48	Peak	
6	589.2050	40.81	-3.80	37.01	46.00	-8.99	Peak	

Test Mode: TX B MODE CHANNEL 01

Horizontal

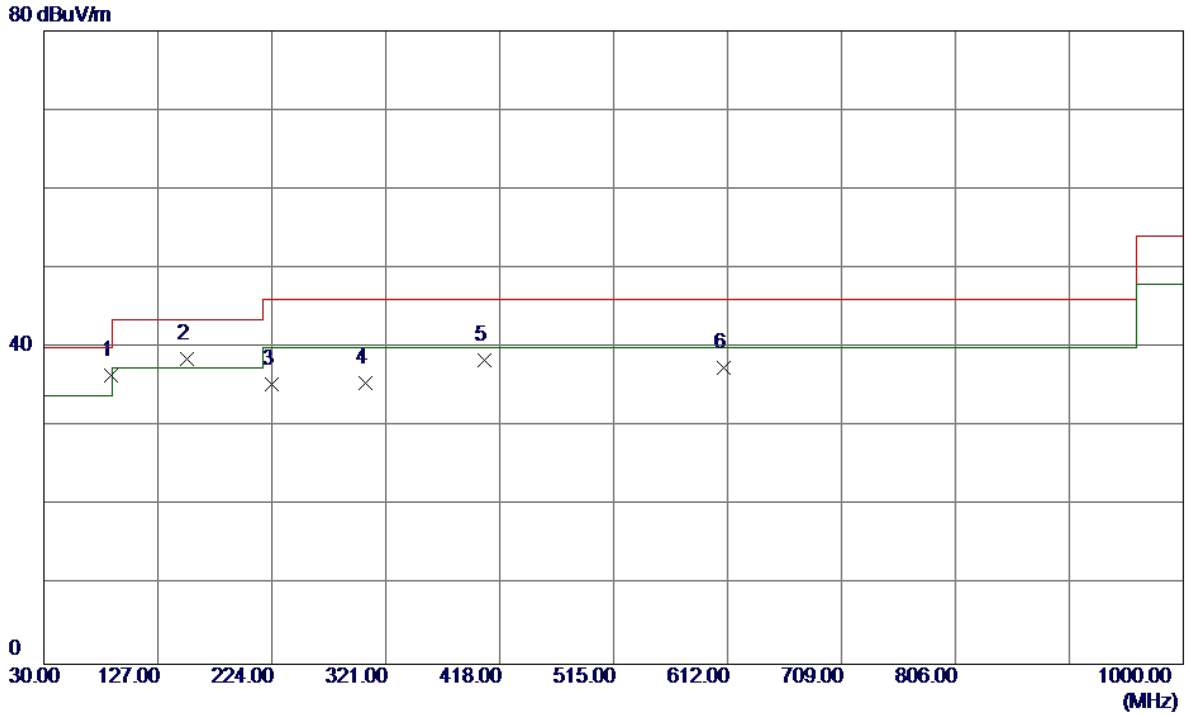
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	87.7149	52.94	-17.14	35.80	40.00	-4.20	Peak	
2	151.2500	50.17	-11.95	38.22	43.50	-5.28	Peak	
3	254.5550	49.40	-13.38	36.02	46.00	-9.98	Peak	
4	284.6250	49.00	-11.94	37.06	46.00	-8.94	Peak	
5	314.6950	50.31	-10.26	40.05	46.00	-5.95	Peak	
6	589.6900	37.14	-3.80	33.34	46.00	-12.66	Peak	

Test Mode: TX B MODE CHANNEL 06

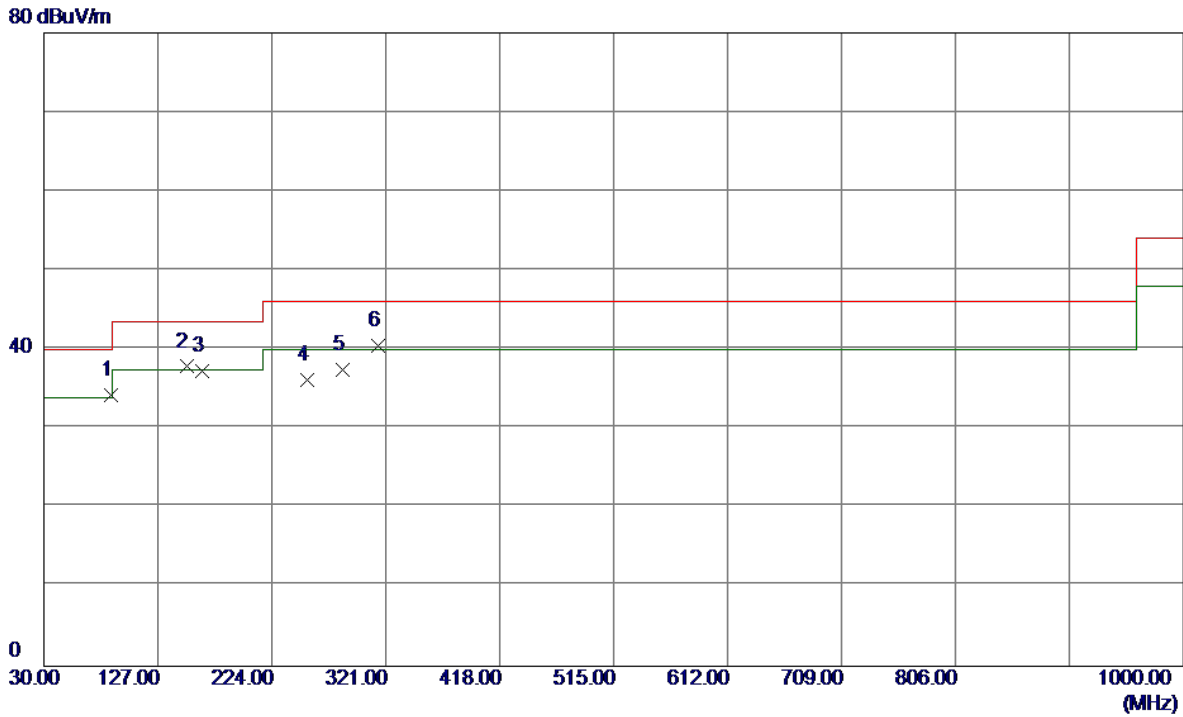
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	86.7450	53.56	-17.09	36.47	40.00	-3.53	Peak	
2	151.7350	50.55	-11.93	38.62	43.50	-4.88	Peak	
3	224.4850	48.82	-13.39	35.43	46.00	-10.57	Peak	
4	304.0250	46.02	-10.51	35.51	46.00	-10.49	Peak	
5	404.9050	46.46	-7.99	38.47	46.00	-7.53	Peak	
6	608.6050	40.79	-3.38	37.41	46.00	-8.59	Peak	

Test Mode: TX B MODE CHANNEL 06

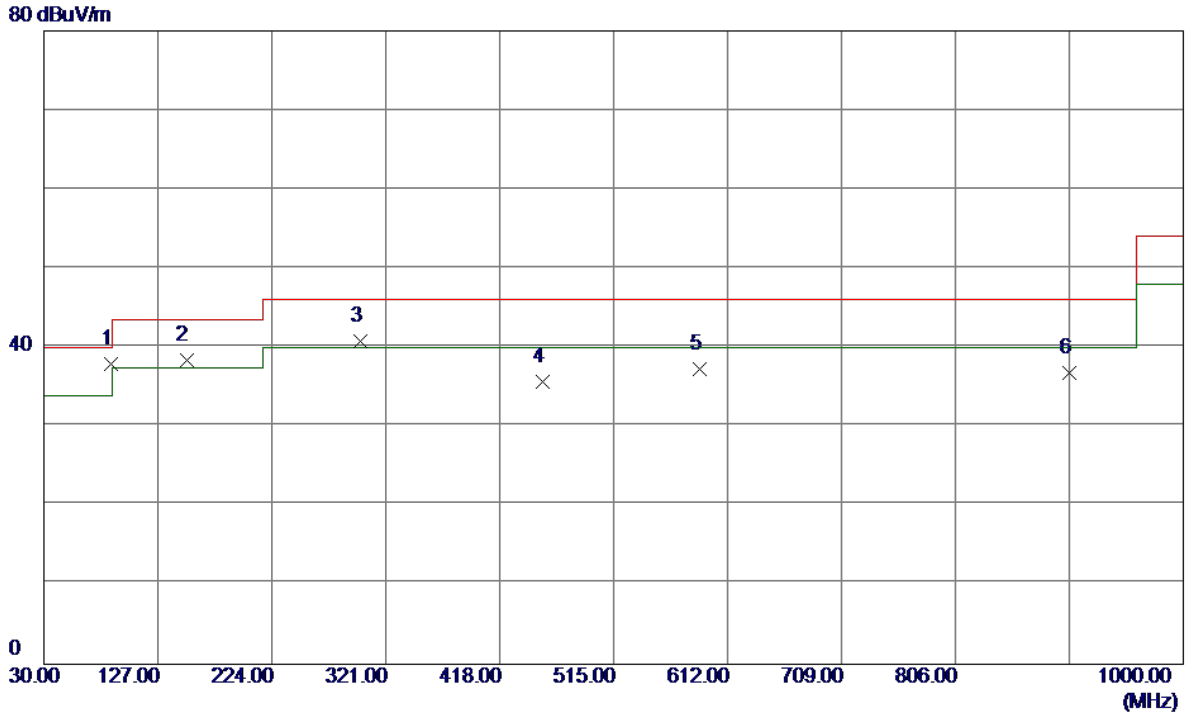
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	86.7450	51.39	-17.09	34.30	40.00	-5.70	Peak	
2	151.2500	49.79	-11.95	37.84	43.50	-5.66	Peak	
3	164.3450	48.60	-11.35	37.25	43.50	-6.25	Peak	
4	254.5550	49.52	-13.38	36.14	46.00	-9.86	Peak	
5	284.6250	49.35	-11.94	37.41	46.00	-8.59	Peak	
6 *	314.6950	50.76	-10.26	40.50	46.00	-5.50	Peak	

Test Mode: TX B MODE CHANNEL 11

Vertical

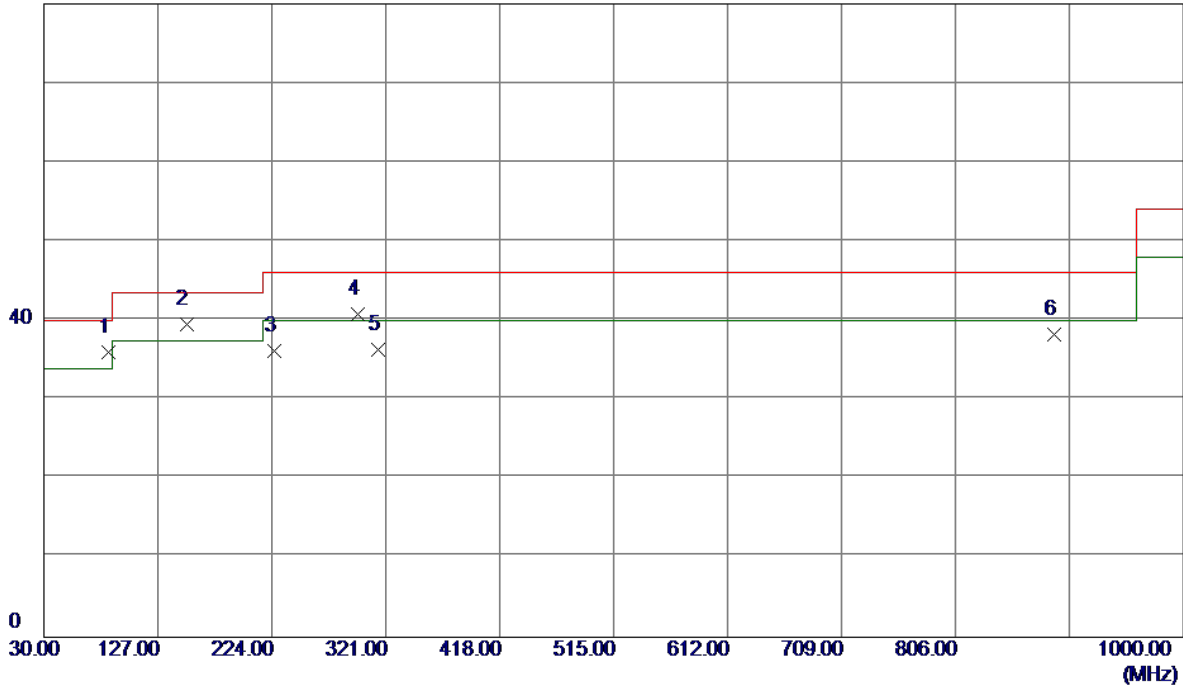


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	86.7450	54.99	-17.09	37.90	40.00	-2.10	Peak	
2	151.2500	50.42	-11.95	38.47	43.50	-5.03	Peak	
3	299.1750	51.49	-10.70	40.79	46.00	-5.21	Peak	
4	454.8600	42.40	-6.76	35.64	46.00	-10.36	Peak	
5	588.7199	41.13	-3.81	37.32	46.00	-8.68	Peak	
6	902.5150	33.92	2.93	36.85	46.00	-9.15	Peak	

Test Mode: TX B MODE CHANNEL 11

Horizontal

80 dBuV/m



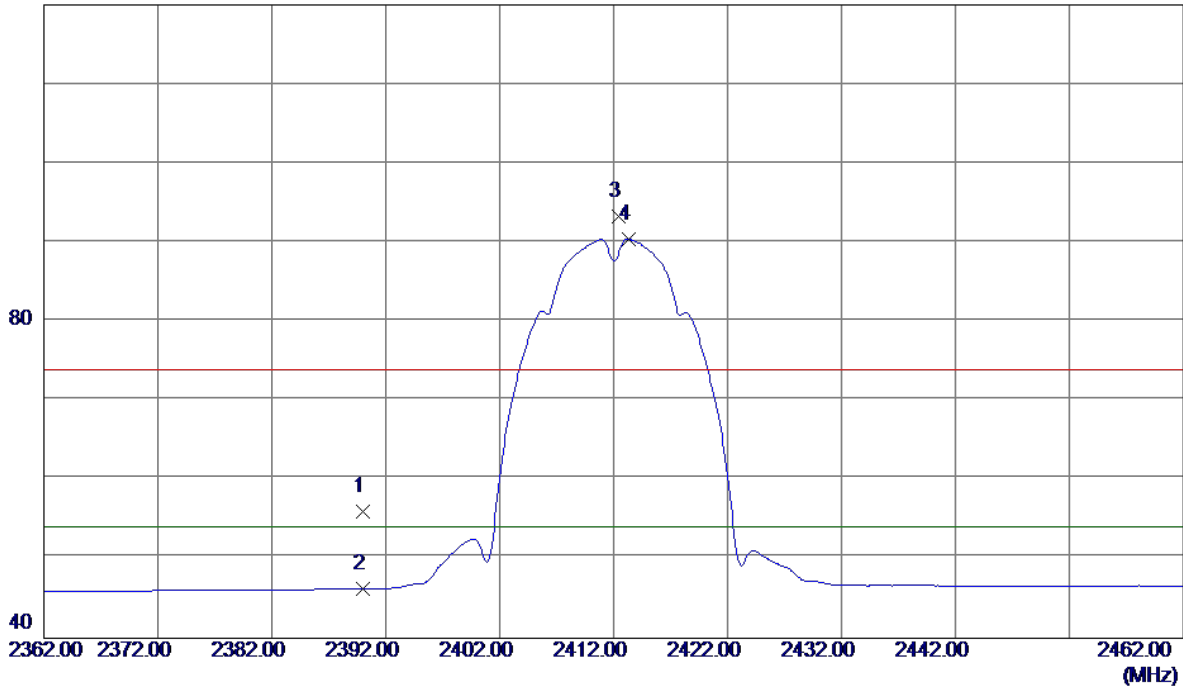
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	85.2900	52.94	-17.01	35.93	40.00	-4.07	Peak	
2 *	151.2500	51.52	-11.95	39.57	43.50	-3.93	Peak	
3	226.4250	49.43	-13.32	36.11	46.00	-9.89	Peak	
4	297.2349	51.74	-10.90	40.84	46.00	-5.16	Peak	
5	314.6950	46.59	-10.26	36.33	46.00	-9.67	Peak	
6	890.3900	35.48	2.72	38.20	46.00	-7.80	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

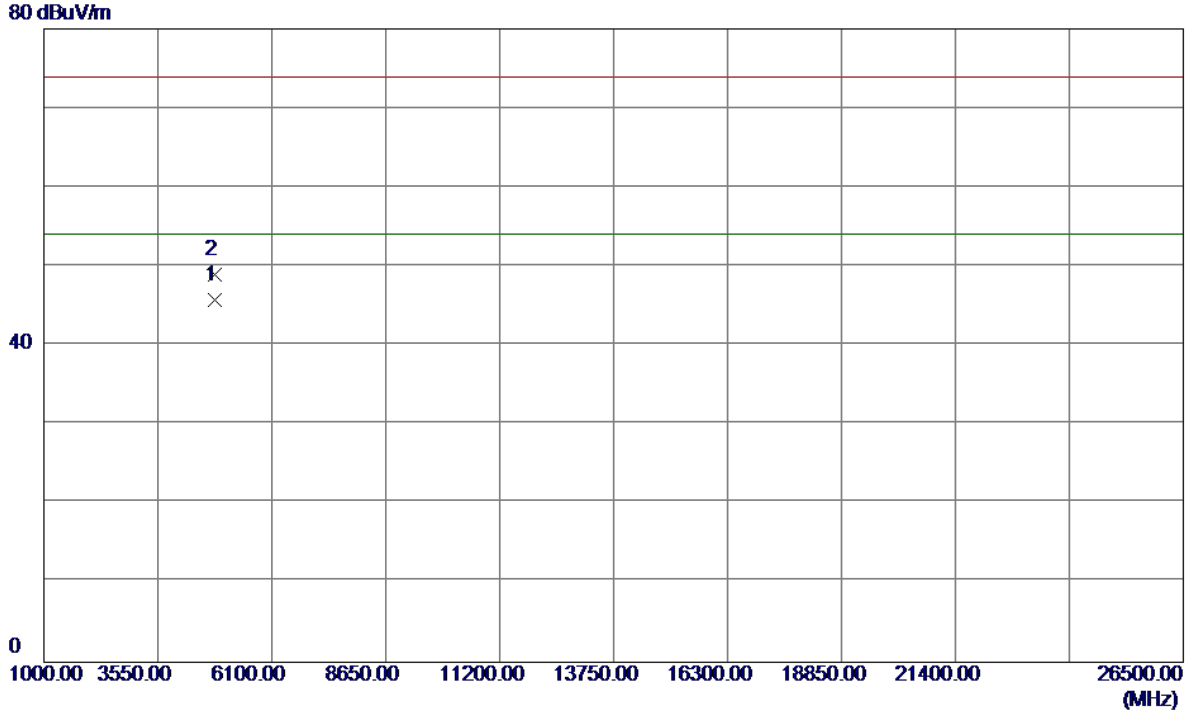
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.99	33.06	56.05	74.00	-17.95	Peak	
2	2390.0000	13.15	33.06	46.21	54.00	-7.79	AVG	
3	2412.4000	60.09	33.14	93.23	74.00	19.23	Peak	No limit
4 *	2413.3000	57.28	33.14	90.42	54.00	36.42	AVG	No limit

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

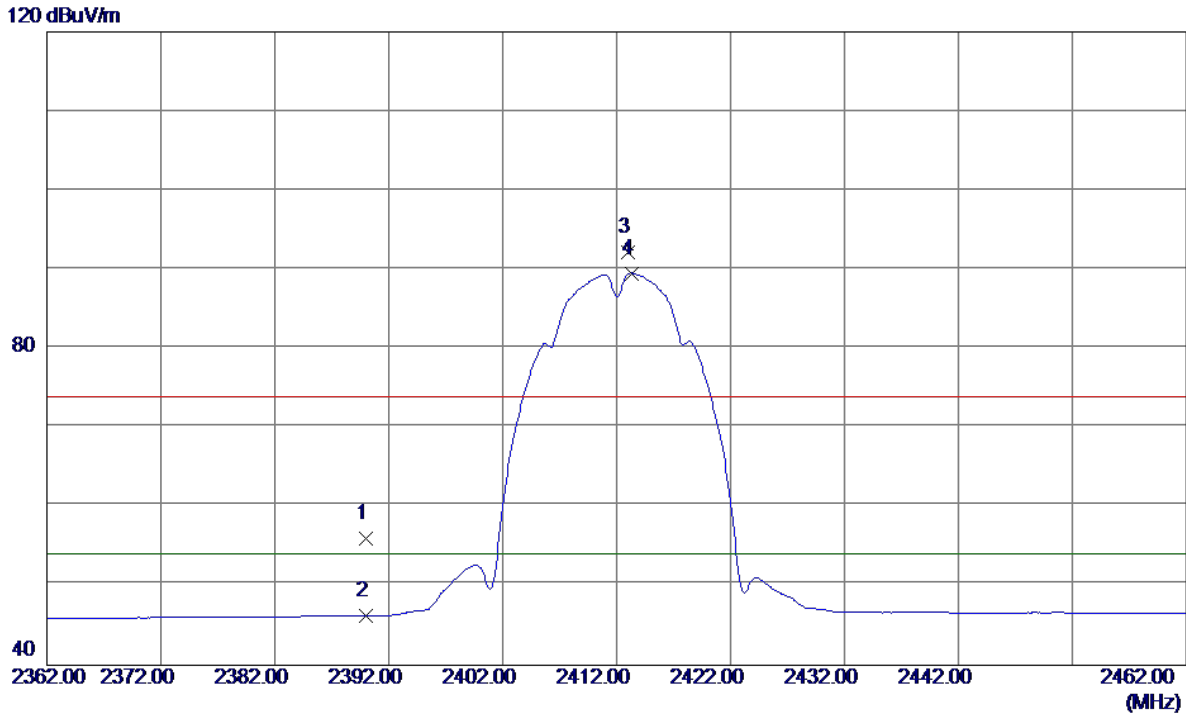
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.9880	39.40	6.32	45.72	54.00	-8.28	AVG	
2	4824.0099	42.67	6.32	48.99	74.00	-25.01	Peak	

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

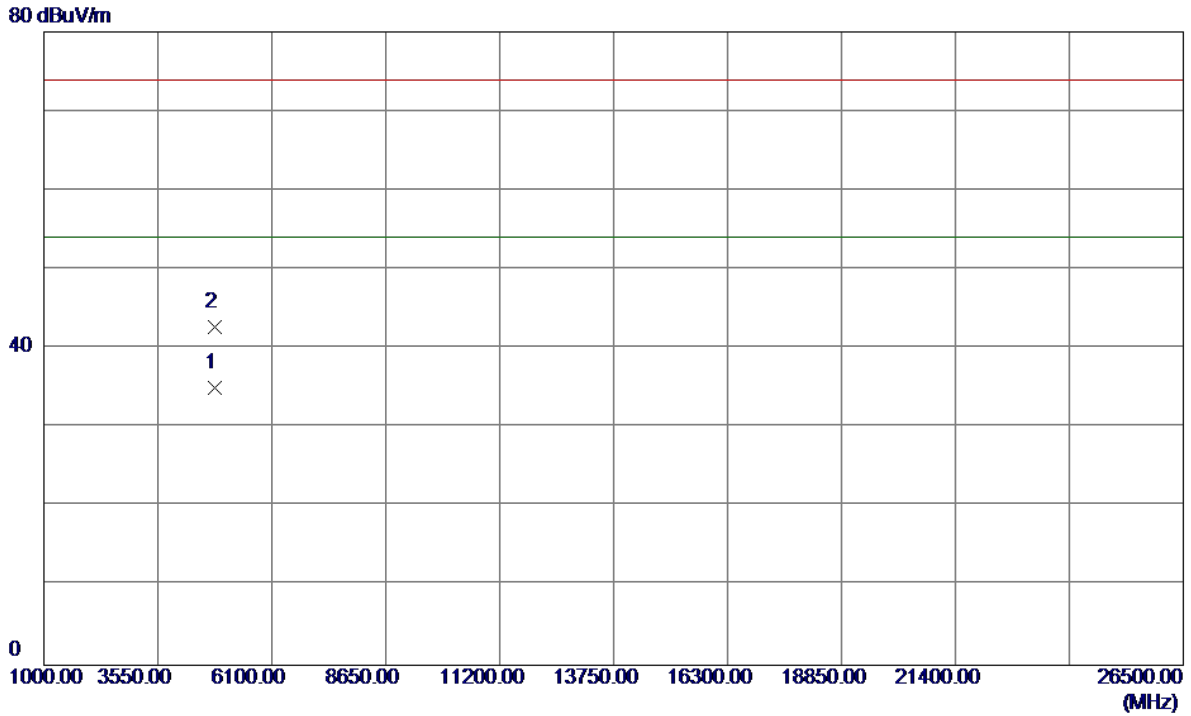
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.97	33.06	56.03	74.00	-17.97	Peak	
2	2390.0000	13.17	33.06	46.23	54.00	-7.77	AVG	
3	2413.0000	59.08	33.14	92.22	74.00	18.22	Peak	No limit
4 *	2413.3000	56.38	33.14	89.52	54.00	35.52	AVG	No limit

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

Horizontal

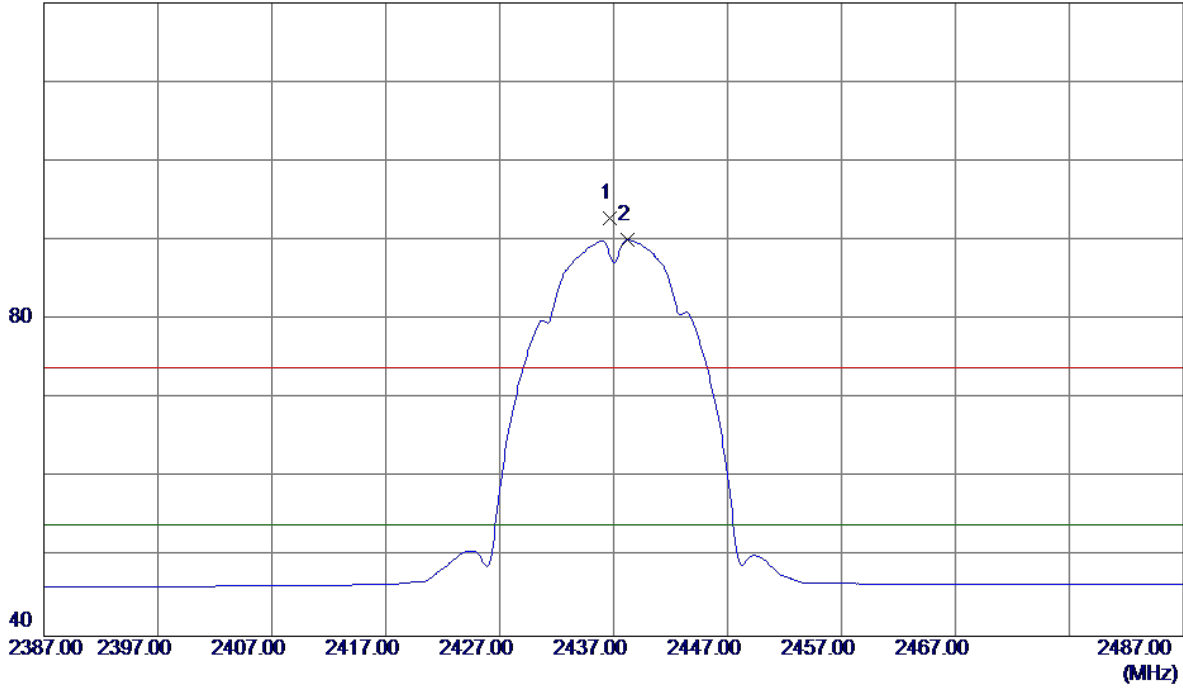


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.9880	28.77	6.32	35.09	54.00	-18.91	AVG	
2	4824.1240	36.45	6.32	42.77	74.00	-31.23	Peak	

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

Vertical

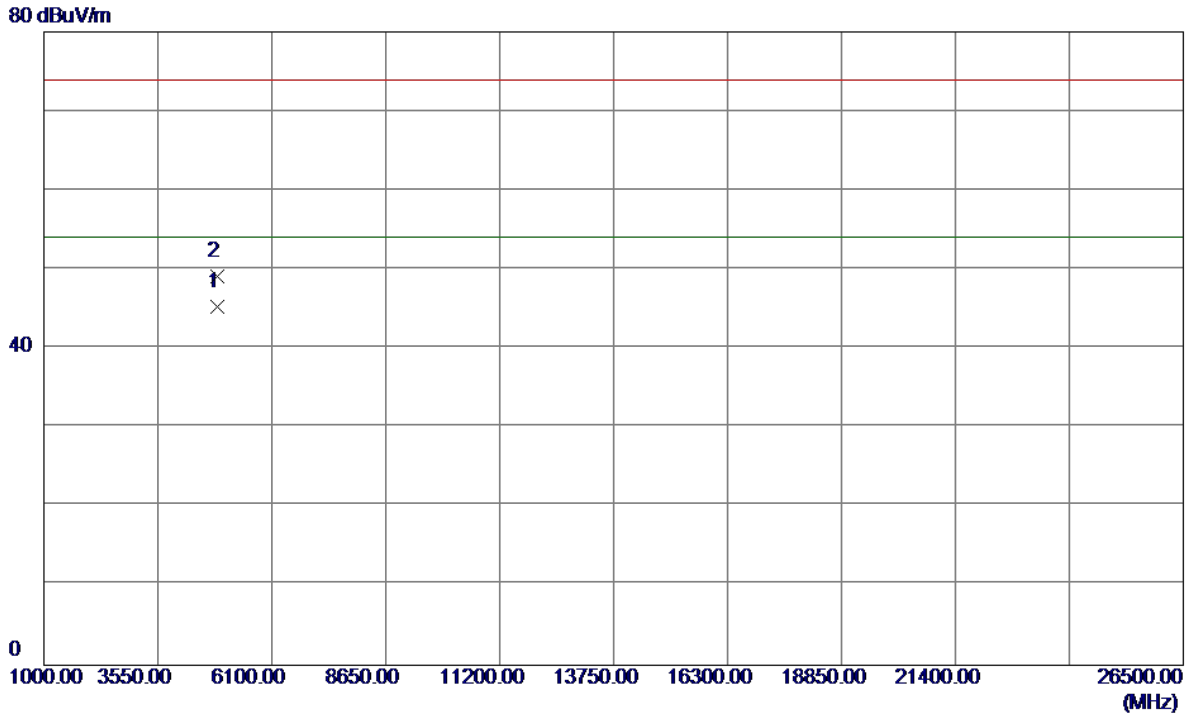
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2436.7000	59.63	33.23	92.86	74.00	18.86	Peak	No limit
2 *	2438.2000	56.82	33.24	90.06	54.00	36.06	AVG	No limit

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

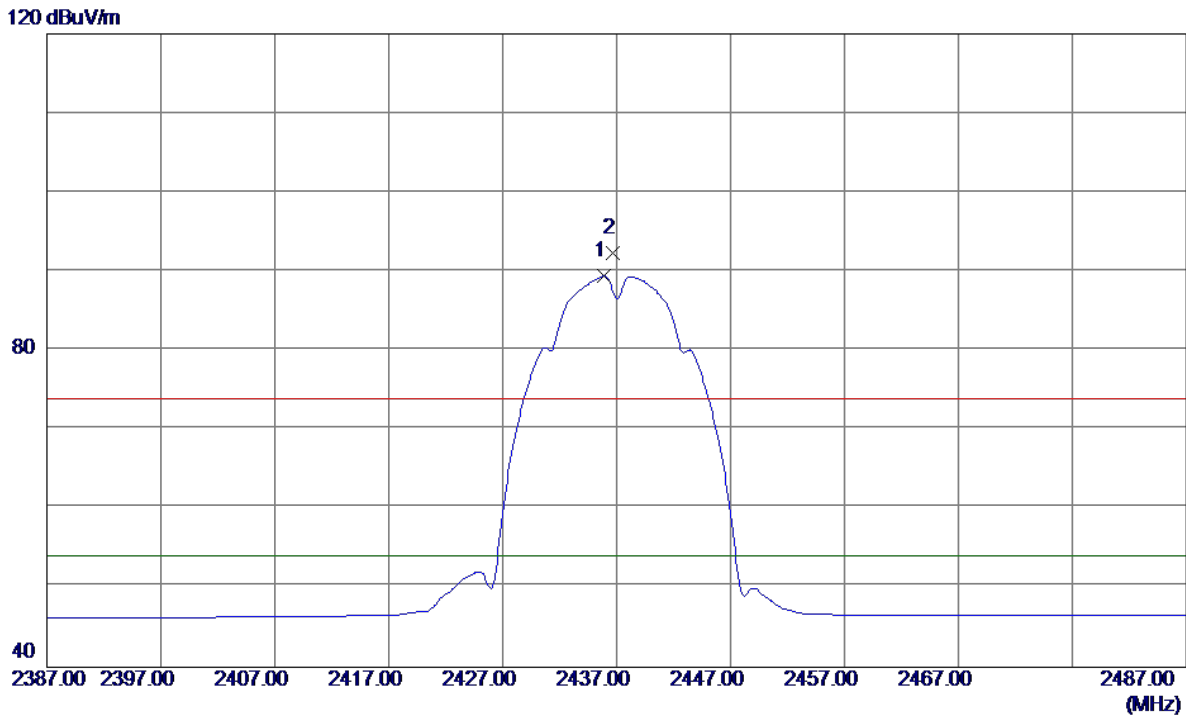
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.9960	38.86	6.44	45.30	54.00	-8.70	AVG	
2	4874.0080	42.69	6.44	49.13	74.00	-24.87	Peak	

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.9000	56.16	33.23	89.39	54.00	35.39	AVG	No limit
2	2436.7000	59.03	33.23	92.26	74.00	18.26	Peak	No limit

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

Horizontal

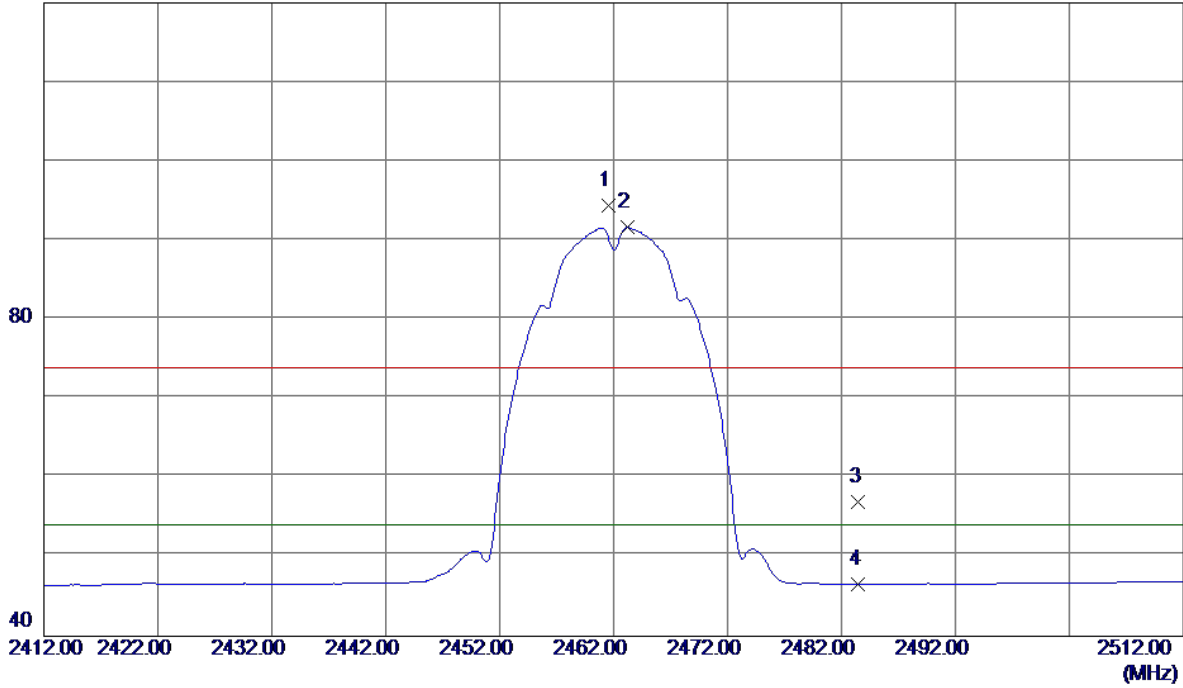


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.9420	29.47	6.44	35.91	54.00	-18.09	AVG	
2	4874.1580	37.16	6.44	43.60	74.00	-30.40	Peak	

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

Vertical

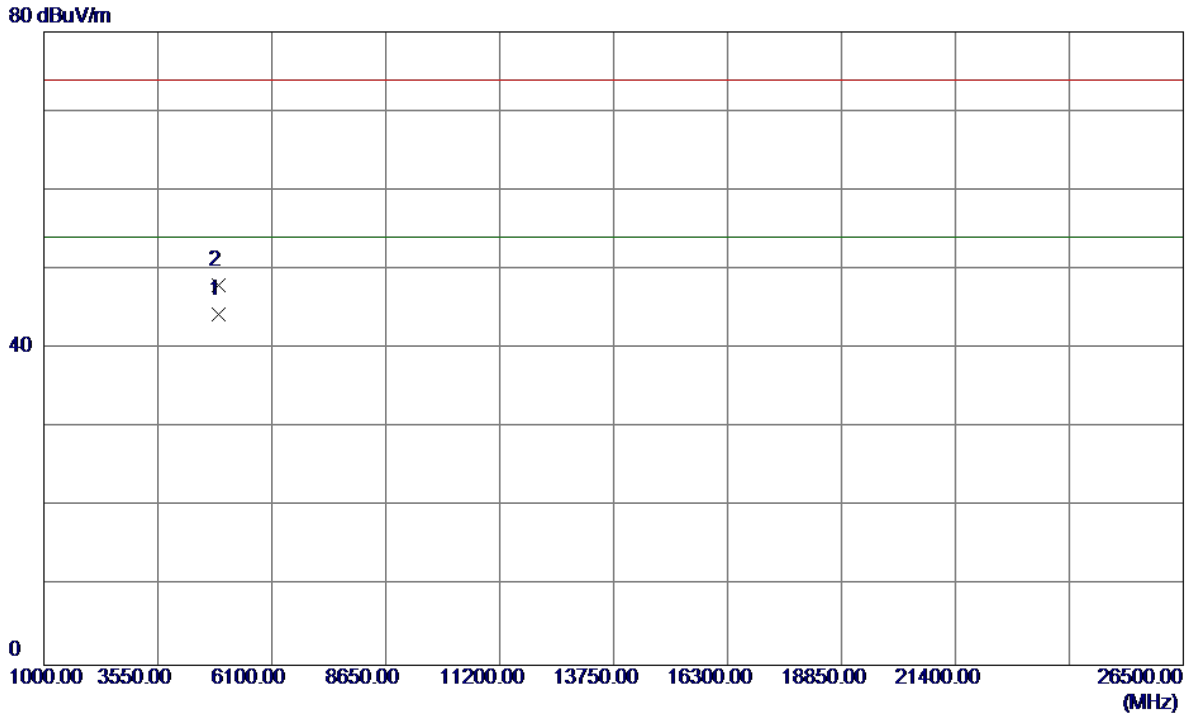
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.6000	61.10	33.33	94.43	74.00	20.43	Peak	No limit
2 *	2463.2000	58.30	33.33	91.63	54.00	37.63	AVG	No limit
3	2483.5000	23.62	33.41	57.03	74.00	-16.97	Peak	
4	2483.5000	13.20	33.41	46.61	54.00	-7.39	AVG	

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

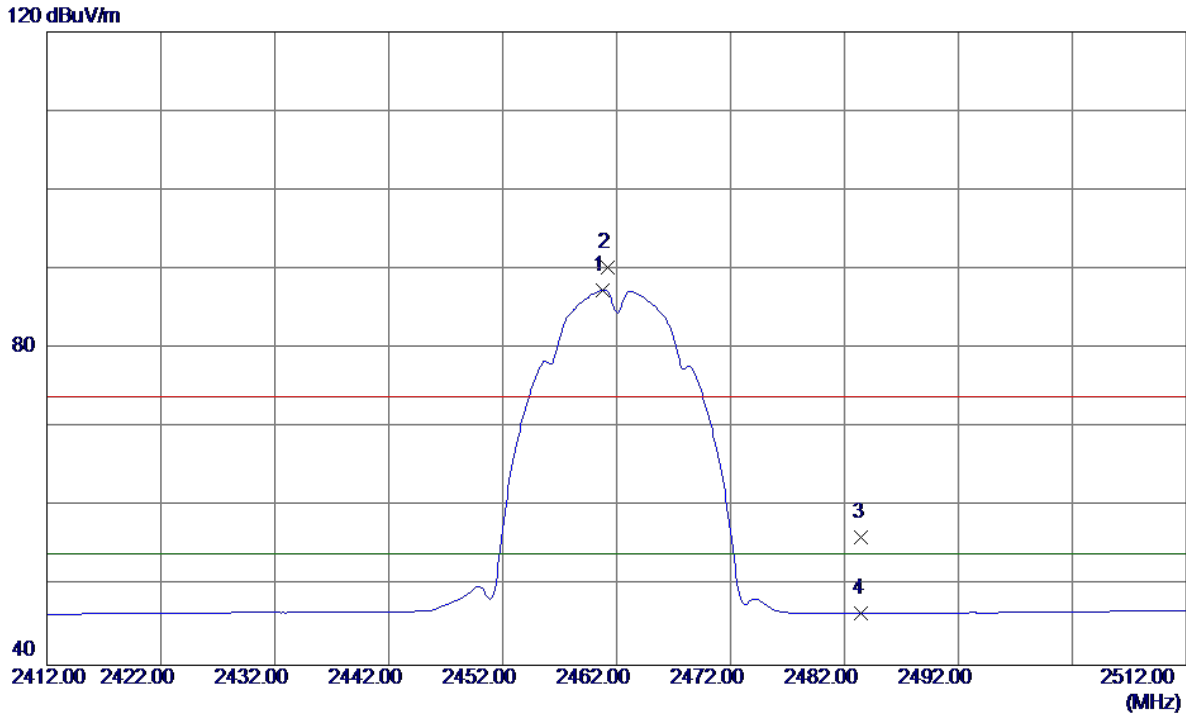
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9660	37.81	6.57	44.38	54.00	-9.62	AVG	
2	4924.1120	41.44	6.57	48.01	74.00	-25.99	Peak	

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

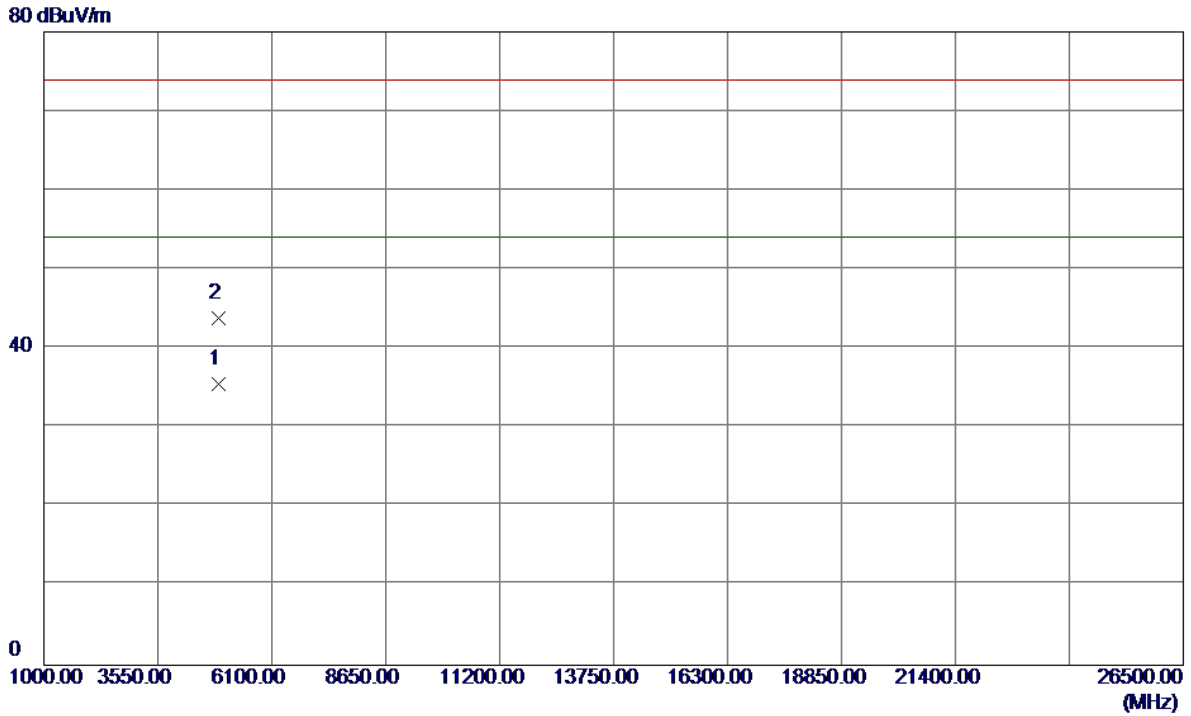
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2460.8000	54.09	33.32	87.41	54.00	33.41	AVG	No limit
2	2461.2000	56.88	33.32	90.20	74.00	16.20	Peak	No limit
3	2483.5000	22.69	33.41	56.10	74.00	-17.90	Peak	
4	2483.5000	13.14	33.41	46.55	54.00	-7.45	AVG	

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

Horizontal

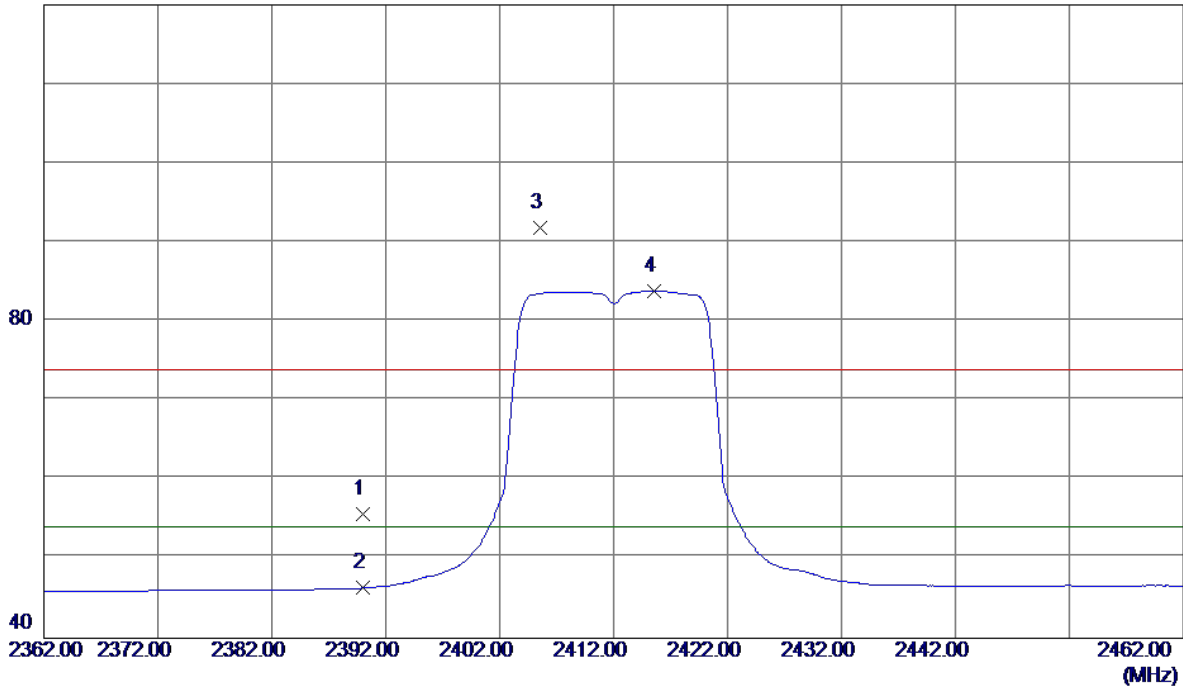


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9600	28.95	6.57	35.52	54.00	-18.48	AVG	
2	4924.0000	37.33	6.57	43.90	74.00	-30.10	Peak	

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

Vertical

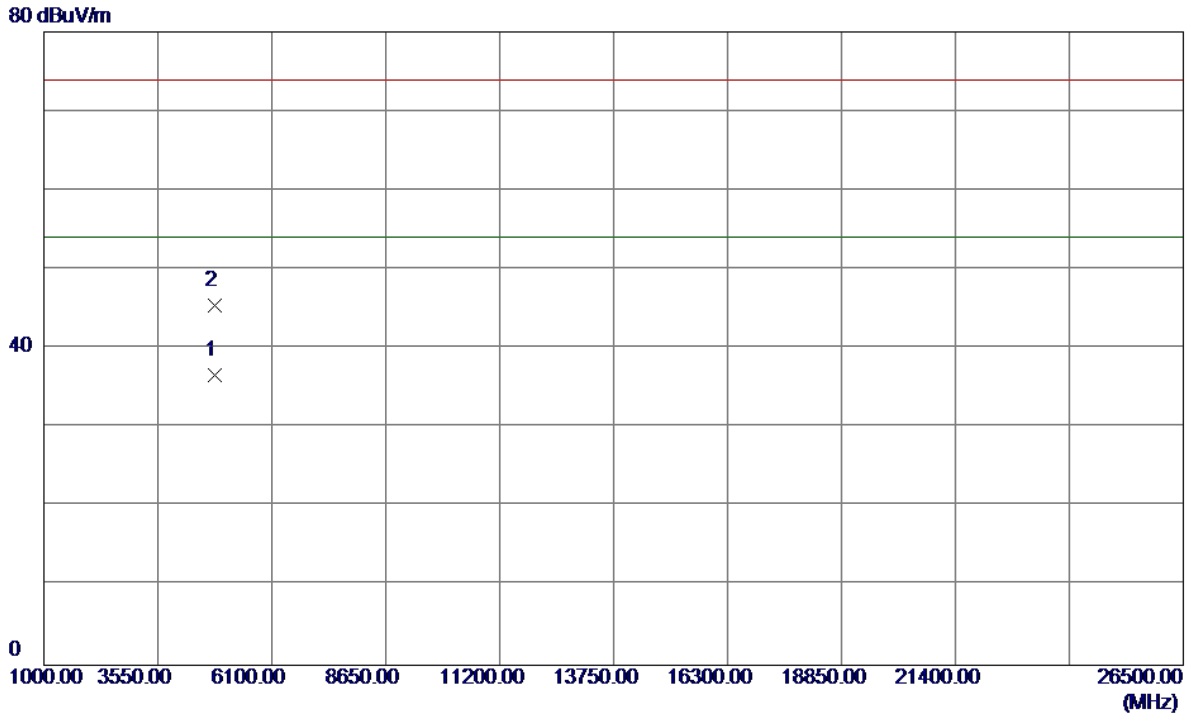
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.65	33.06	55.71	74.00	-18.29	Peak	
2	2390.0000	13.27	33.06	46.33	54.00	-7.67	AVG	
3	2405.6000	58.76	33.11	91.87	74.00	17.87	Peak	No limit
4 *	2415.6000	50.69	33.15	83.84	54.00	29.84	AVG	No limit

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

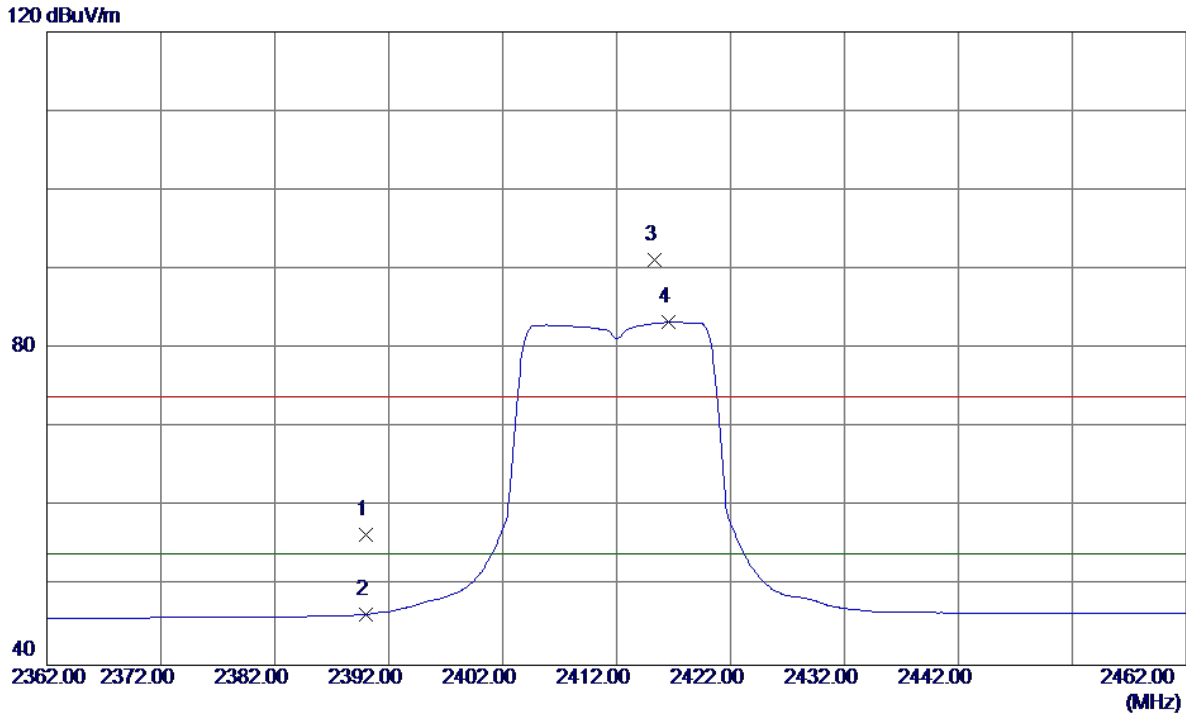
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0320	30.37	6.32	36.69	54.00	-17.31	AVG	
2	4824.0720	39.08	6.32	45.40	74.00	-28.60	Peak	

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

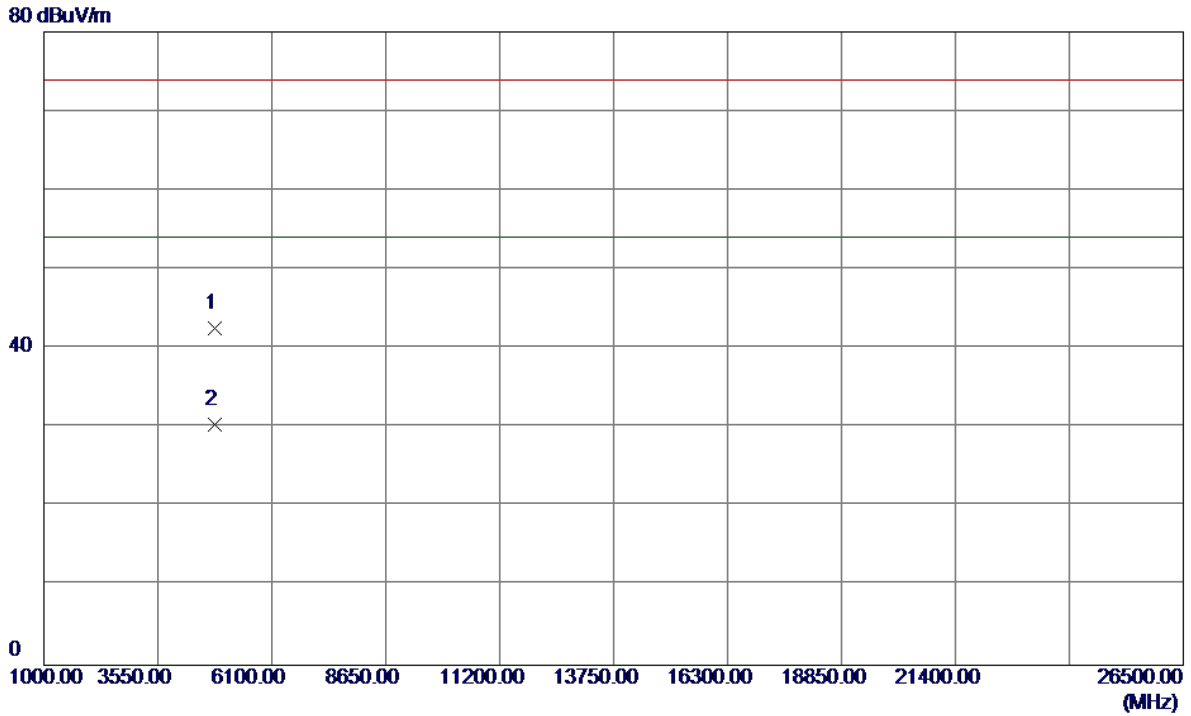
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.47	33.06	56.53	74.00	-17.47	Peak	
2	2390.0000	13.38	33.06	46.44	54.00	-7.56	AVG	
3	2415.3000	58.08	33.15	91.23	74.00	17.23	Peak	No limit
4 *	2416.6000	50.14	33.16	83.30	54.00	29.30	AVG	No limit

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

Horizontal

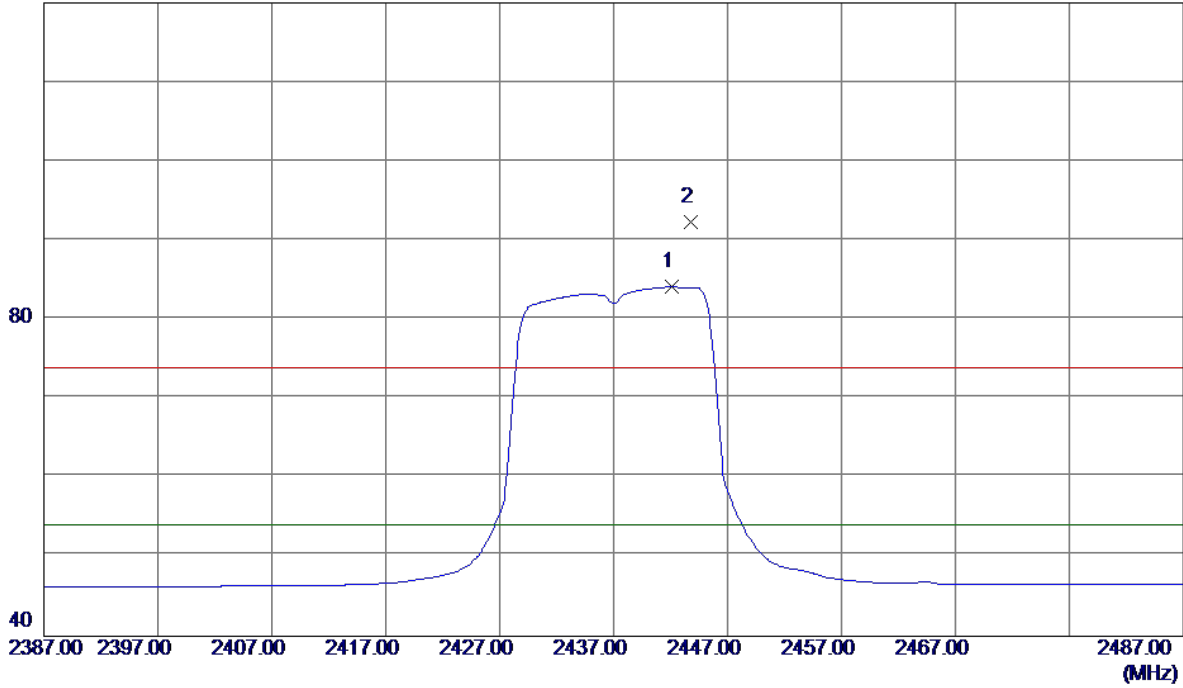


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9500	36.24	6.32	42.56	74.00	-31.44	Peak	
2 *	4824.1500	24.08	6.32	30.40	54.00	-23.60	AVG	

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

Vertical

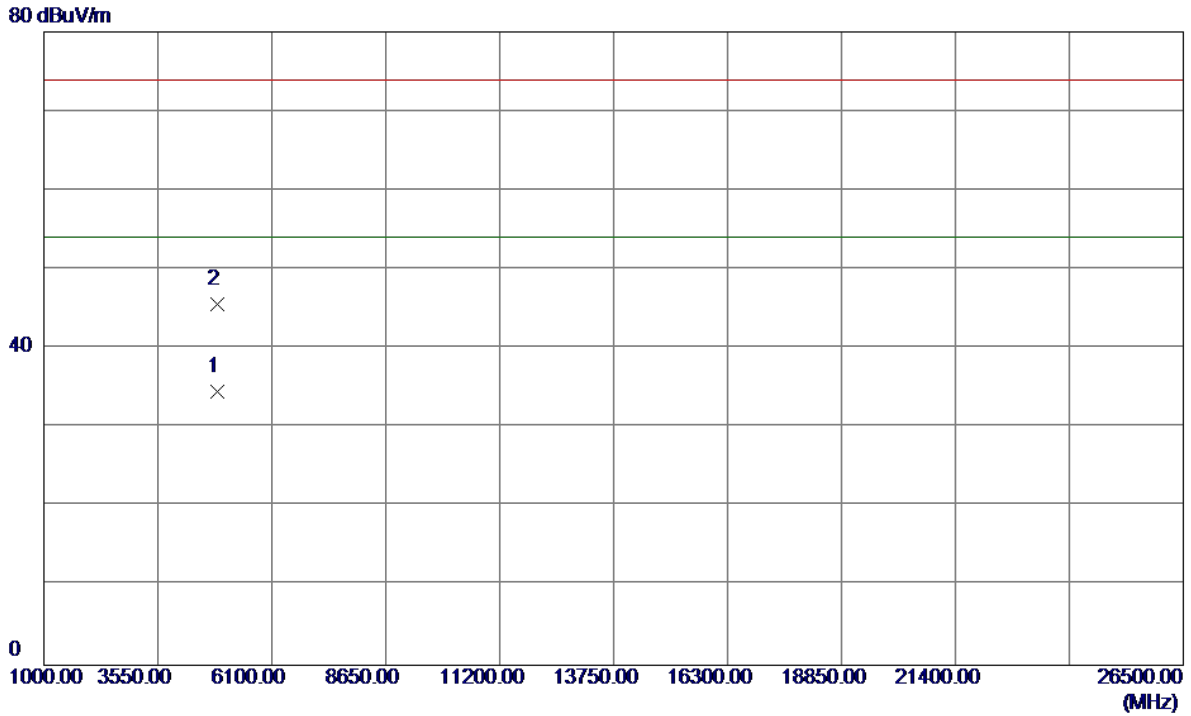
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2442.1000	50.84	33.25	84.09	54.00	30.09	AVG	No limit
2	2443.8000	59.03	33.26	92.29	74.00	18.29	Peak	No limit

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

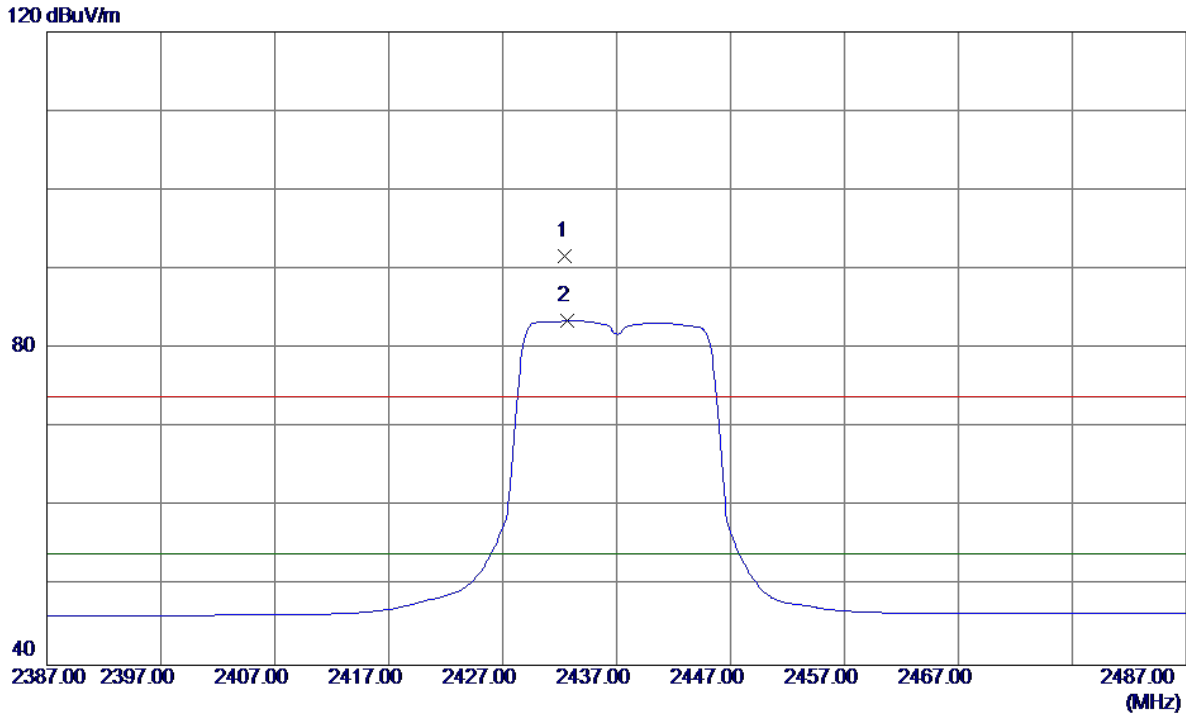
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0700	28.09	6.44	34.53	54.00	-19.47	AVG	
2	4874.0740	39.11	6.44	45.55	74.00	-28.45	Peak	

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

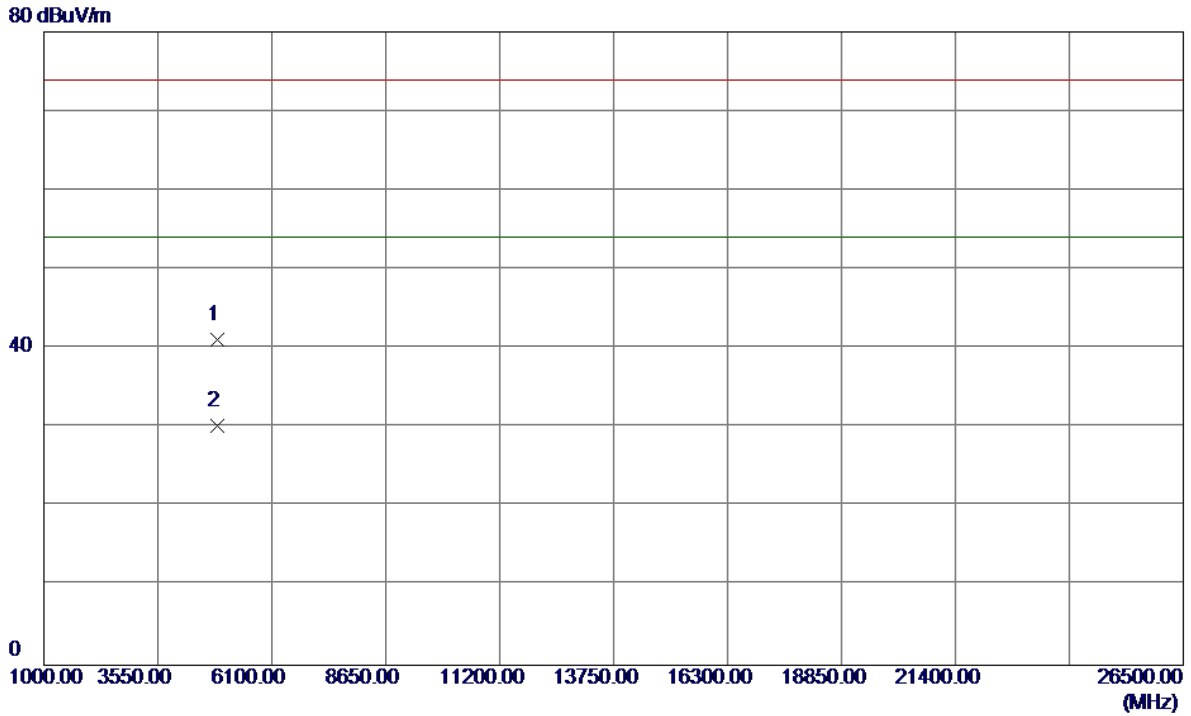
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2432.5000	58.46	33.22	91.68	74.00	17.68	Peak	No limit
2 *	2432.7000	50.24	33.22	83.46	54.00	29.46	AVG	No limit

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

Horizontal

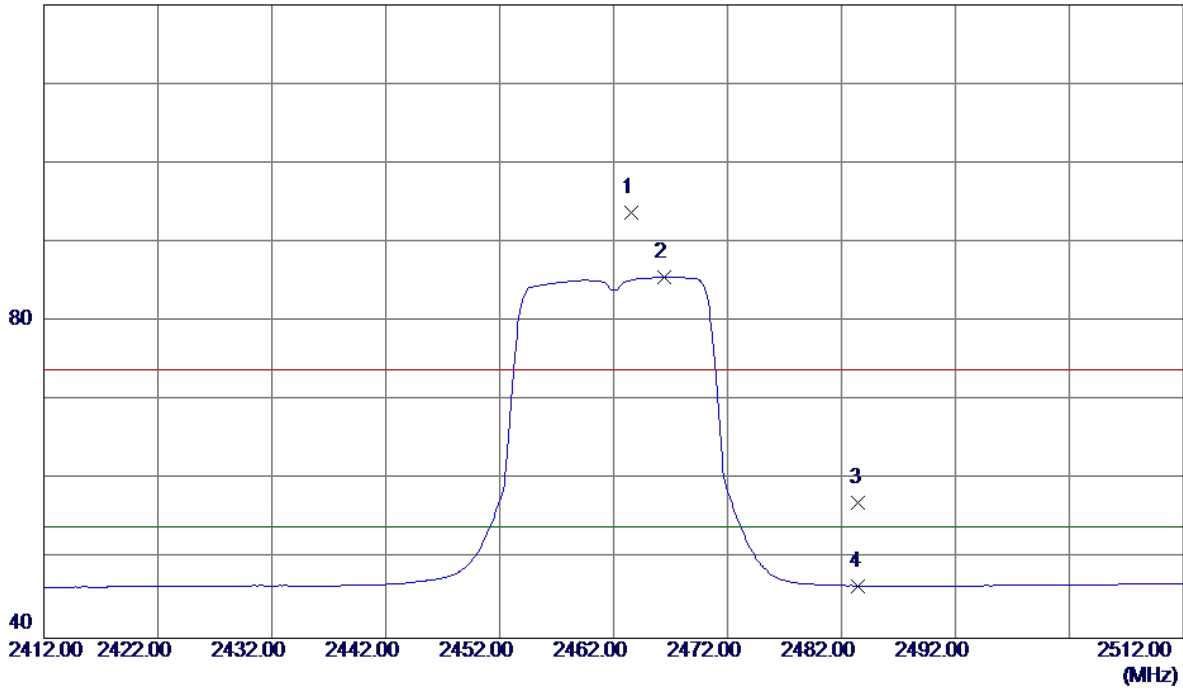


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.8820	34.72	6.44	41.16	74.00	-32.84	Peak	
2 *	4873.9440	23.78	6.44	30.22	54.00	-23.78	AVG	

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

Vertical

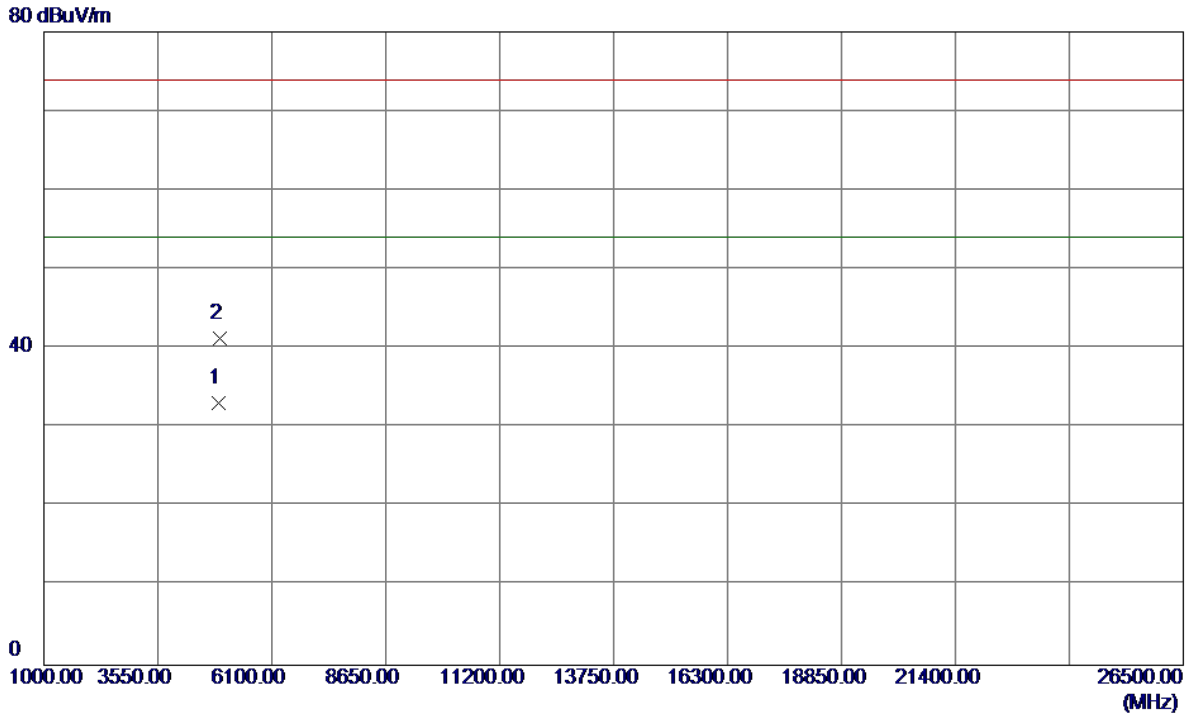
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.6000	60.39	33.33	93.72	74.00	19.72	Peak	No limit
2 *	2466.4000	52.28	33.34	85.62	54.00	31.62	AVG	No limit
3	2483.5000	23.72	33.41	57.13	74.00	-16.87	Peak	
4	2483.5000	13.21	33.41	46.62	54.00	-7.38	AVG	

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

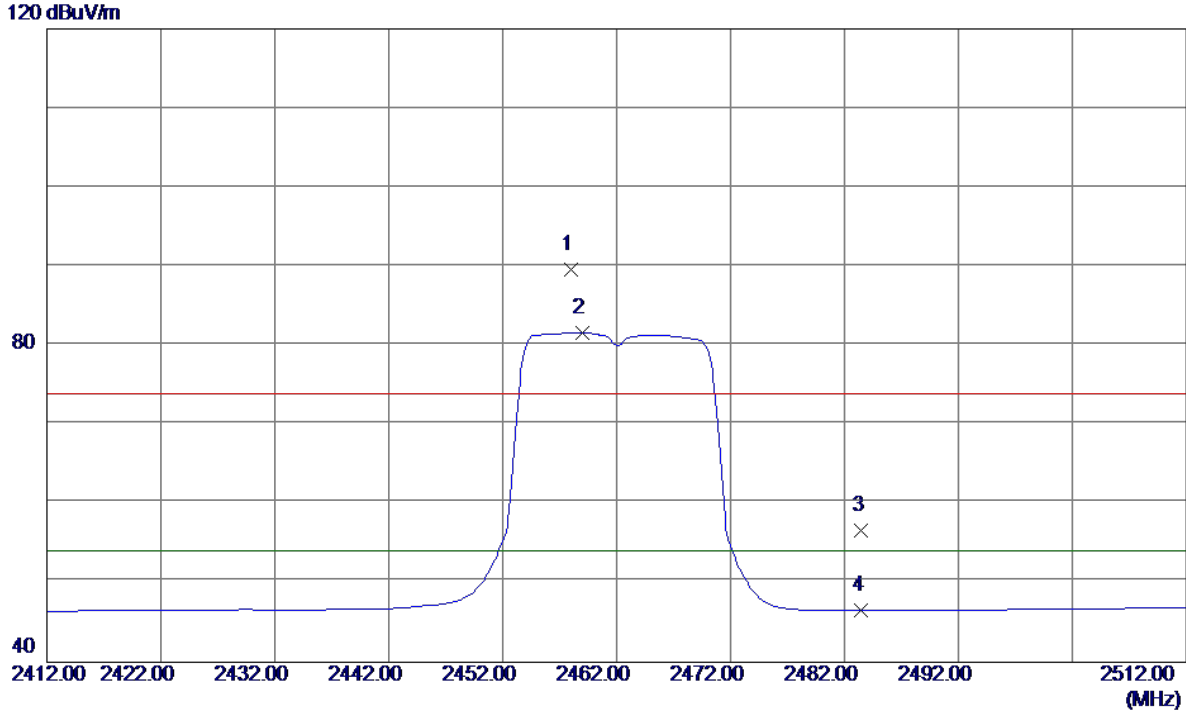
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0500	26.62	6.57	33.19	54.00	-20.81	AVG	
2	4925.7500	34.64	6.57	41.21	74.00	-32.79	Peak	

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

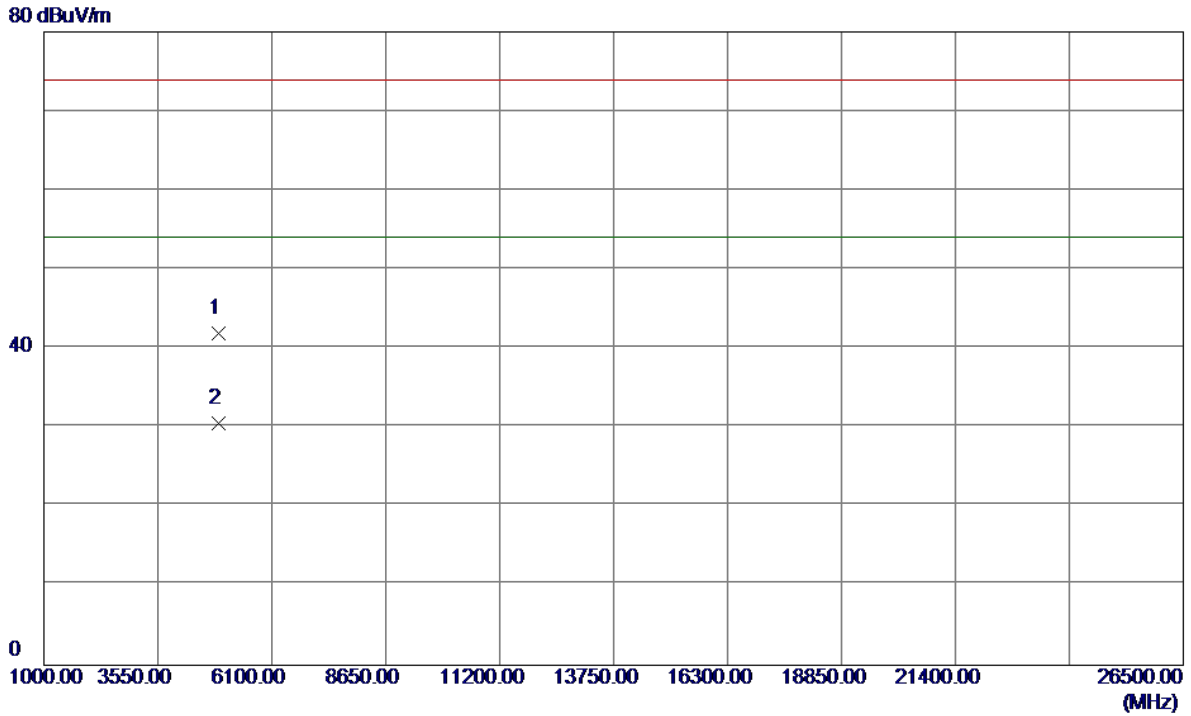
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2458.0000	56.28	33.31	89.59	74.00	15.59	Peak	No limit
2 *	2459.0000	48.27	33.32	81.59	54.00	27.59	AVG	No limit
3	2483.5000	23.27	33.41	56.68	74.00	-17.32	Peak	
4	2483.5000	13.13	33.41	46.54	54.00	-7.46	AVG	

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

Horizontal

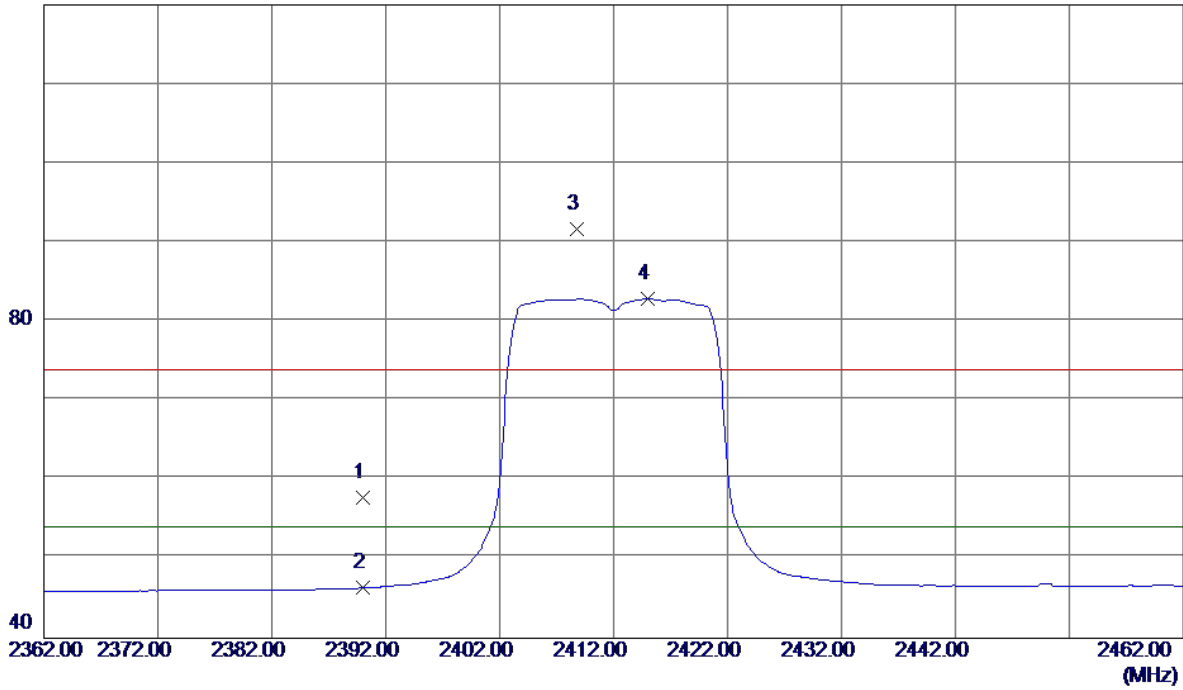


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.6340	35.35	6.57	41.92	74.00	-32.08	Peak	
2 *	4923.7780	23.97	6.57	30.54	54.00	-23.46	AVG	

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

Vertical

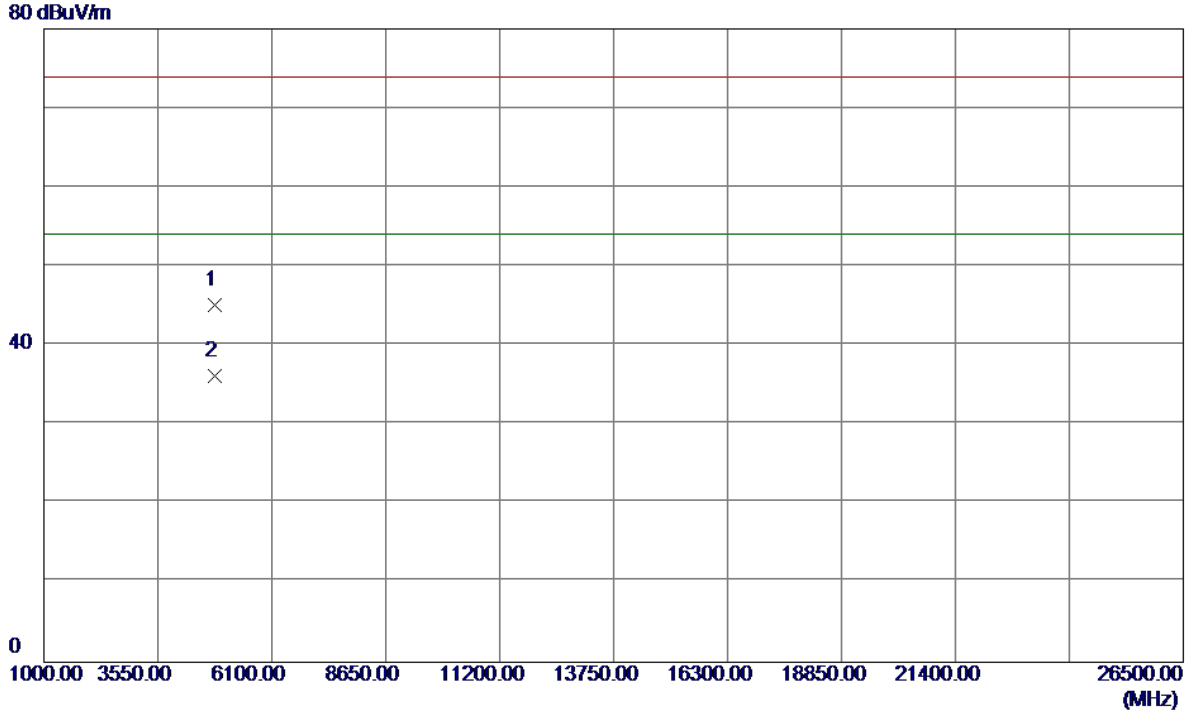
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.72	33.06	57.78	74.00	-16.22	Peak	
2	2390.0000	13.29	33.06	46.35	54.00	-7.65	AVG	
3	2408.8000	58.50	33.13	91.63	74.00	17.63	Peak	No limit
4 *	2415.0000	49.74	33.15	82.89	54.00	28.89	AVG	No limit

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

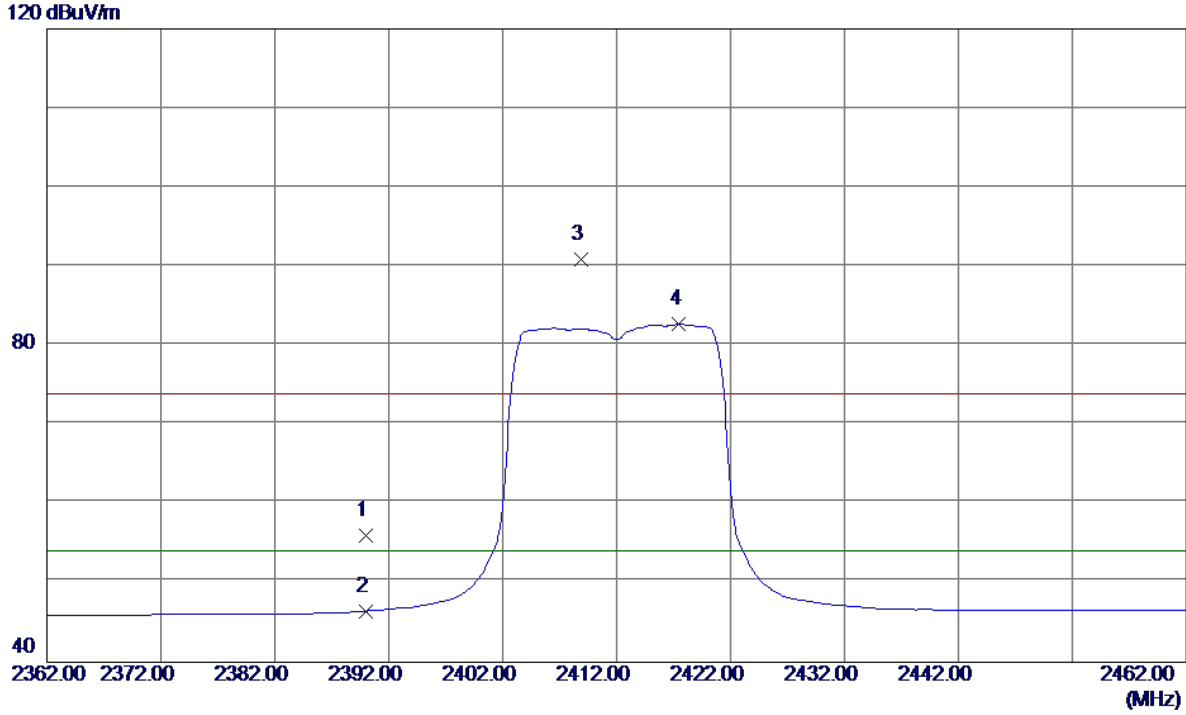
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9480	38.87	6.32	45.19	74.00	-28.81	Peak	
2 *	4823.9800	29.91	6.32	36.23	54.00	-17.77	AVG	

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

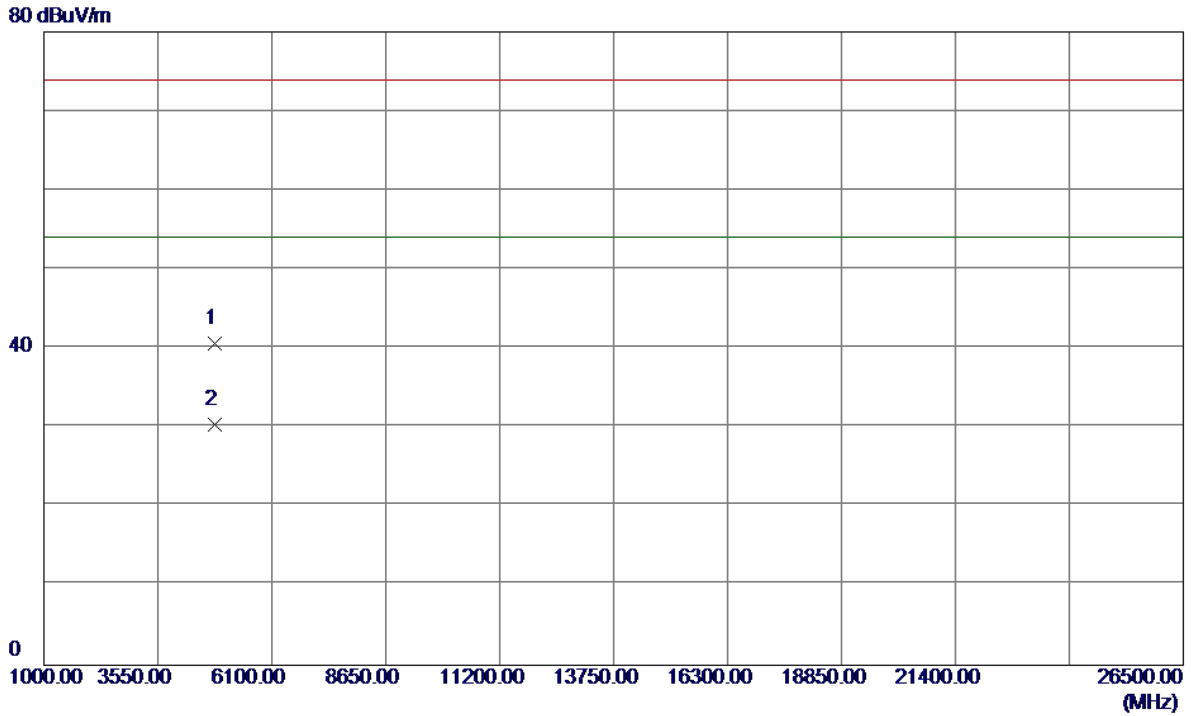
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.92	33.06	55.98	74.00	-18.02	Peak	
2	2390.0000	13.40	33.06	46.46	54.00	-7.54	AVG	
3	2408.9000	57.80	33.13	90.93	74.00	16.93	Peak	No limit
4 *	2417.5000	49.58	33.16	82.74	54.00	28.74	AVG	No limit

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

Horizontal

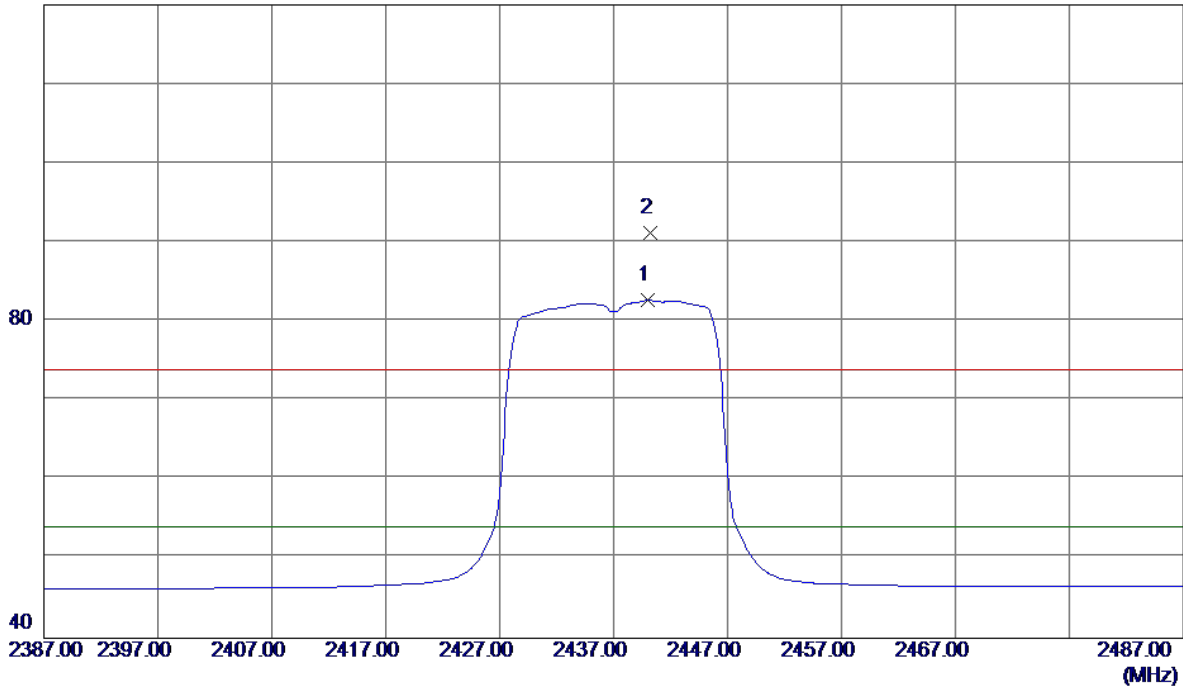


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.8320	34.29	6.32	40.61	74.00	-33.39	Peak	
2 *	4823.9440	24.09	6.32	30.41	54.00	-23.59	AVG	

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

Vertical

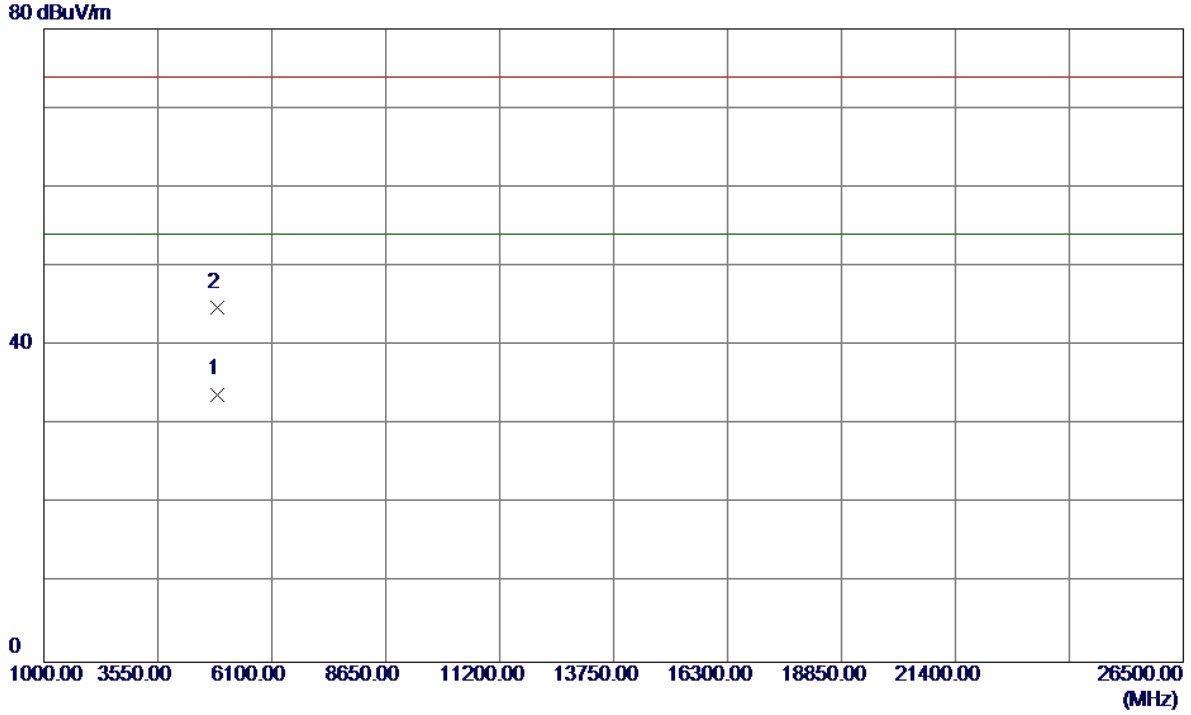
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2440.0000	49.44	33.24	82.68	54.00	28.68	AVG	No limit
2	2440.2000	57.94	33.25	91.19	74.00	17.19	Peak	No limit

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

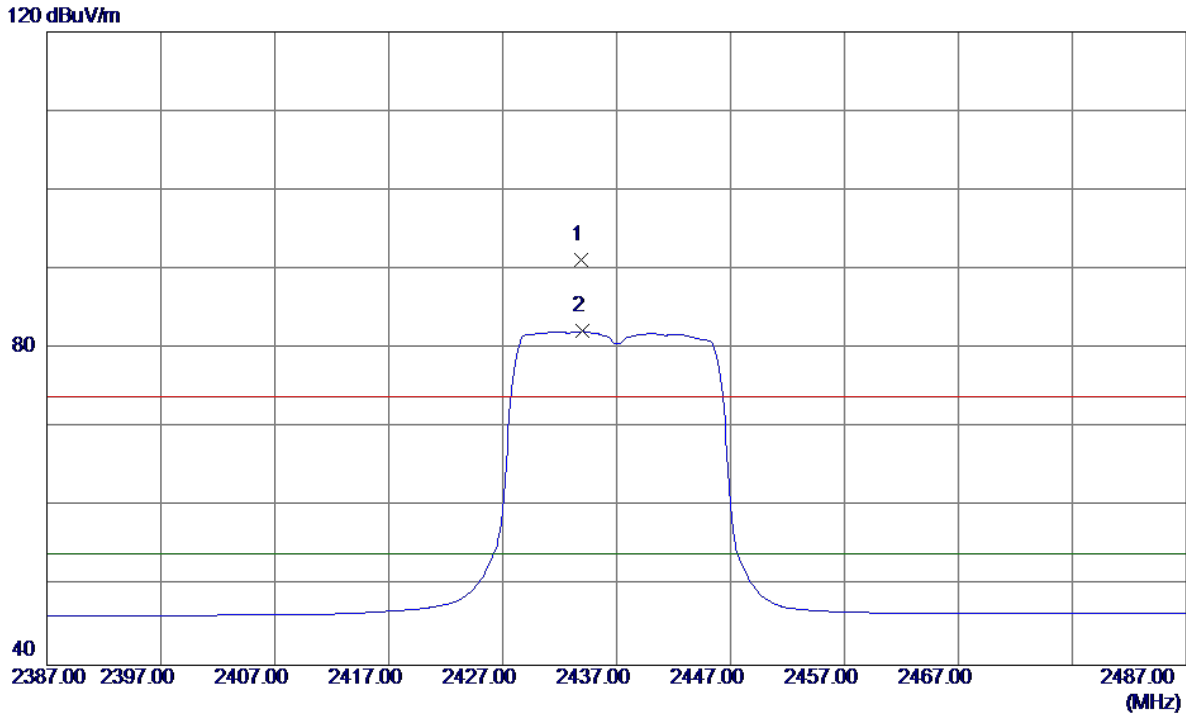
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.9920	27.40	6.44	33.84	54.00	-20.16	AVG	
2	4874.0019	38.34	6.44	44.78	74.00	-29.22	Peak	

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

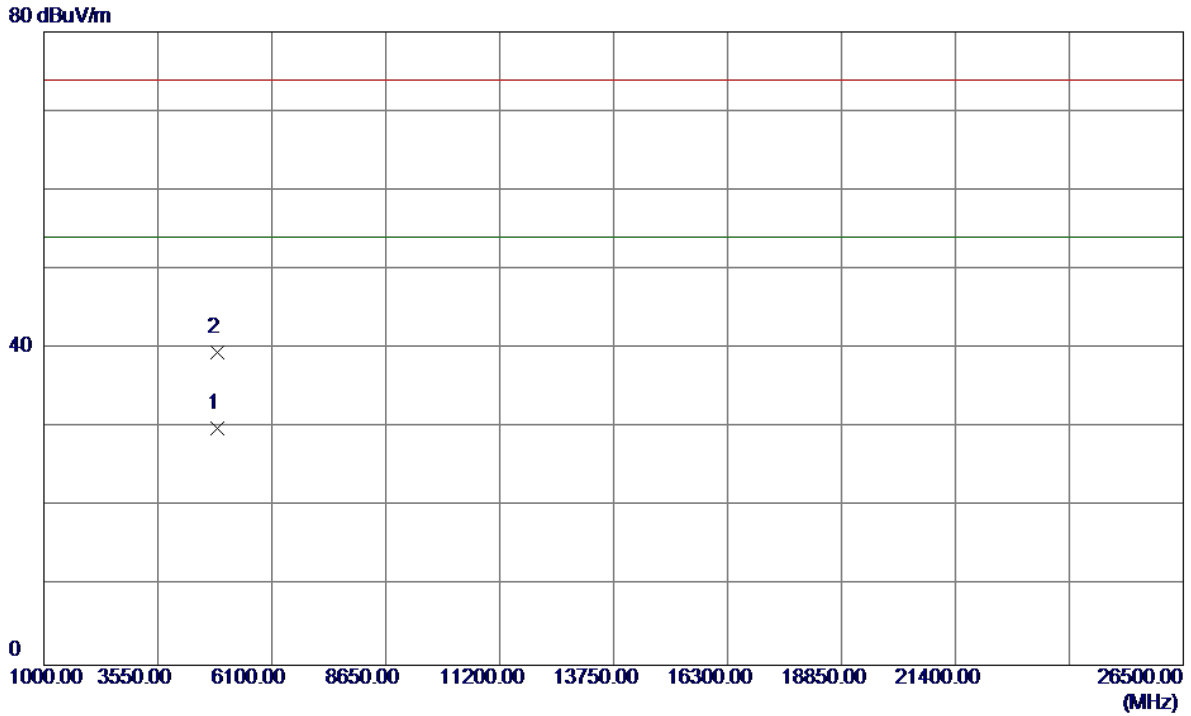
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2433.9000	57.93	33.22	91.15	74.00	17.15	Peak	No limit
2 *	2434.0000	48.95	33.22	82.17	54.00	28.17	AVG	No limit

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

Horizontal

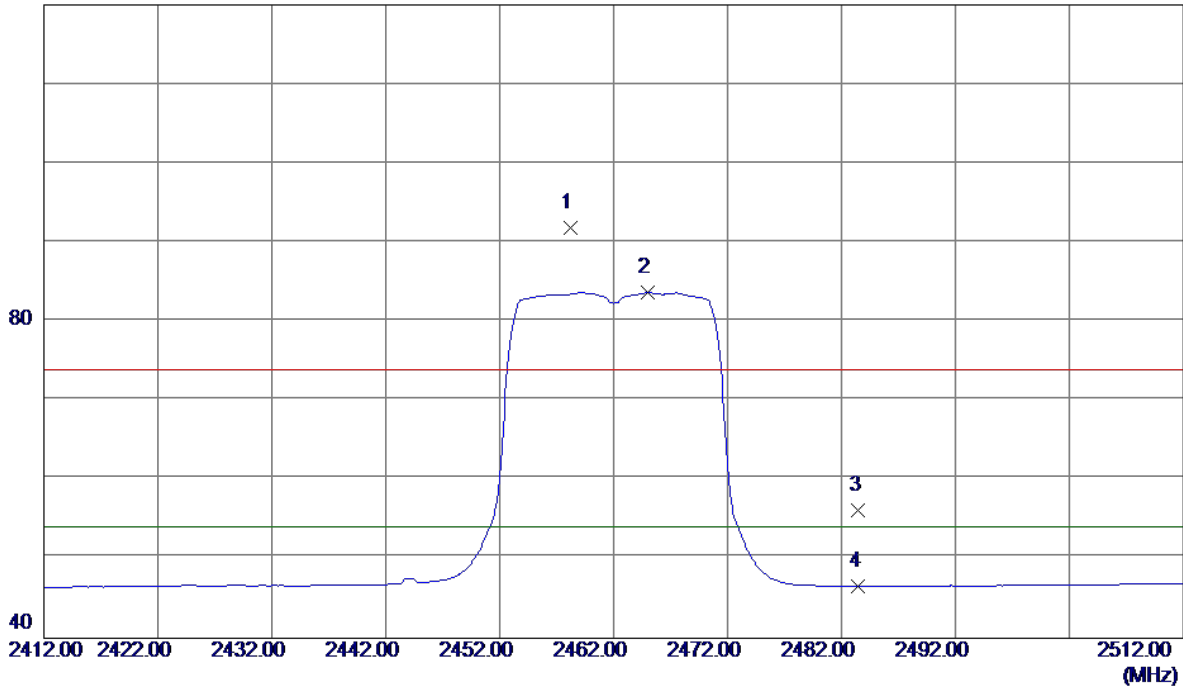


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.8620	23.52	6.44	29.96	54.00	-24.04	AVG	
2	4873.9840	33.05	6.44	39.49	74.00	-34.51	Peak	

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

Vertical

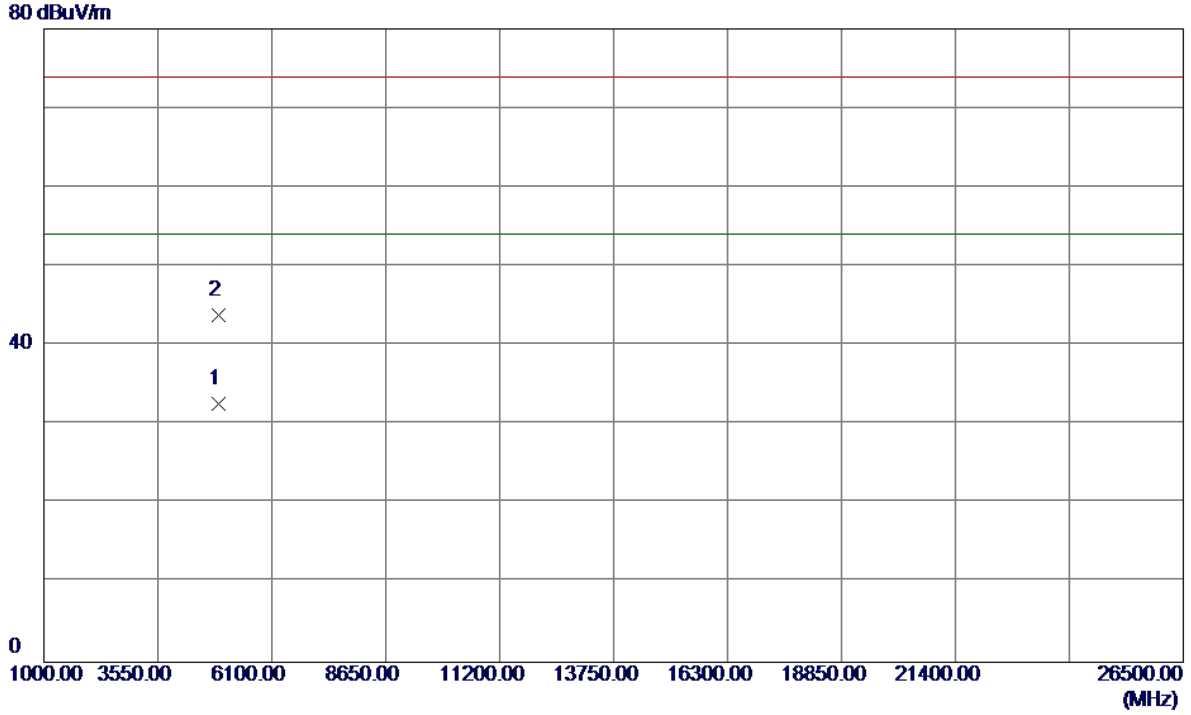
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2458.2000	58.56	33.31	91.87	74.00	17.87	Peak	No limit
2 *	2465.0000	50.31	33.34	83.65	54.00	29.65	AVG	No limit
3	2483.5000	22.72	33.41	56.13	74.00	-17.87	Peak	
4	2483.5000	13.18	33.41	46.59	54.00	-7.41	AVG	

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

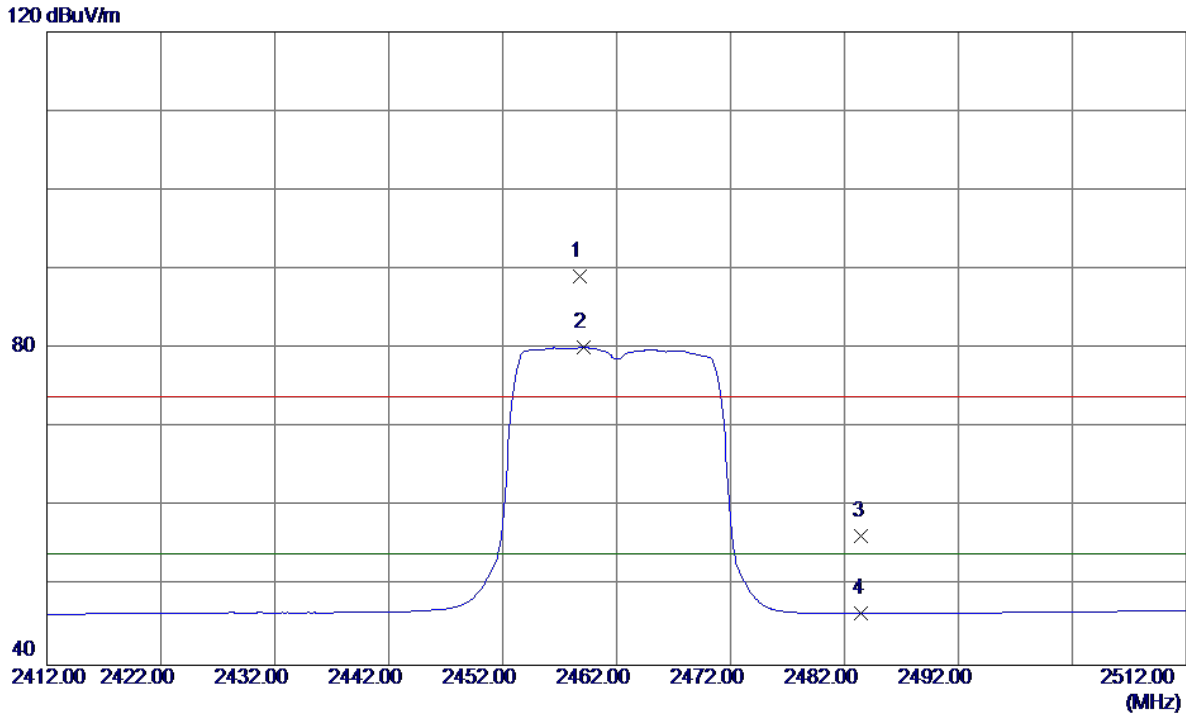
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0219	26.08	6.57	32.65	54.00	-21.35	AVG	
2	4924.1260	37.27	6.57	43.84	74.00	-30.16	Peak	

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

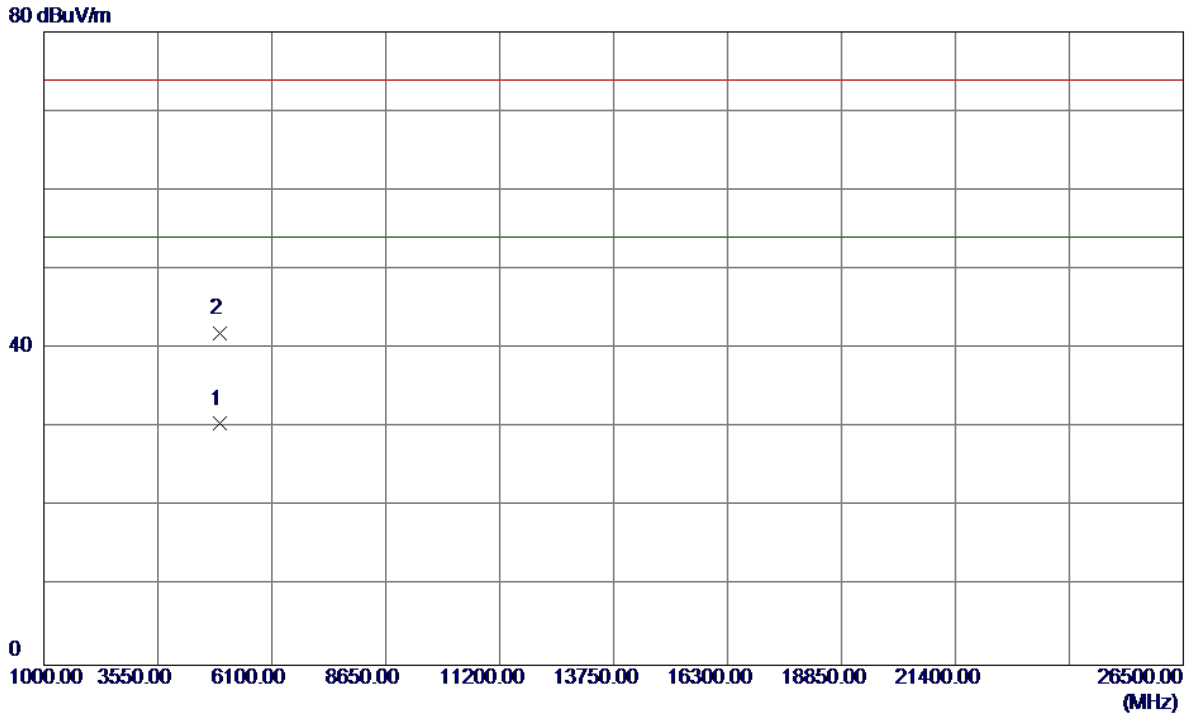
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2458.8000	55.74	33.31	89.05	74.00	15.05	Peak	No limit
2 *	2459.1000	46.84	33.32	80.16	54.00	26.16	AVG	No limit
3	2483.5000	22.97	33.41	56.38	74.00	-17.62	Peak	
4	2483.5000	13.14	33.41	46.55	54.00	-7.45	AVG	

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

Horizontal

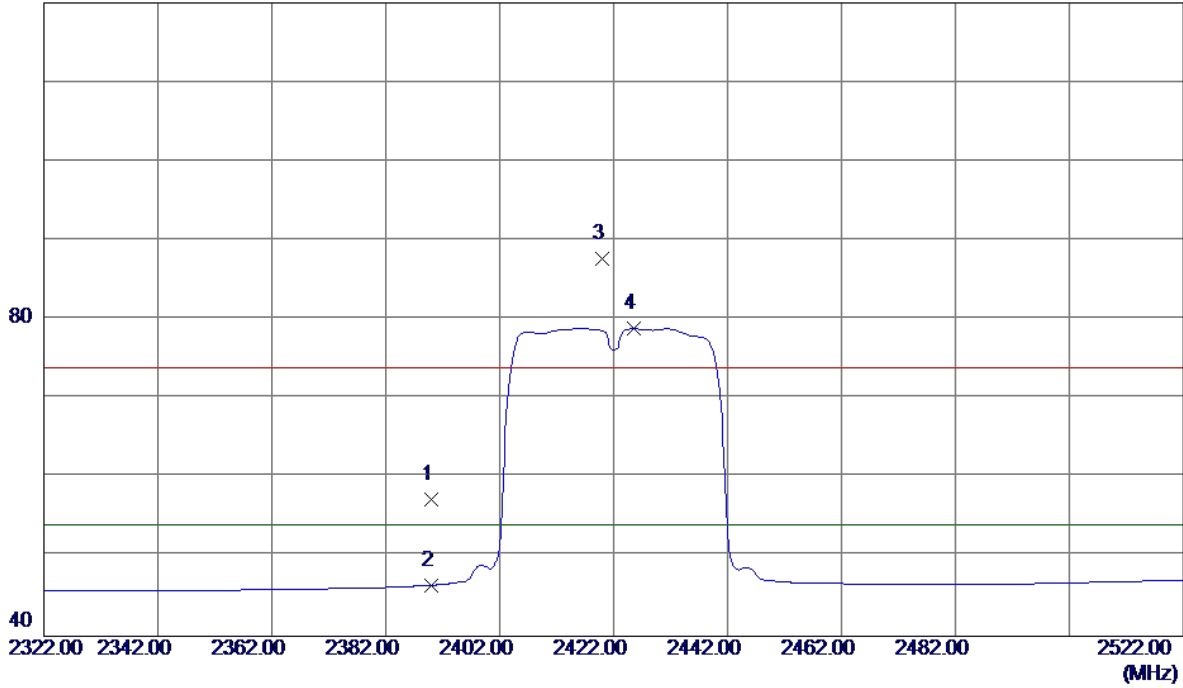


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.2180	23.91	6.57	30.48	54.00	-23.52	AVG	
2	4924.2580	35.41	6.57	41.98	74.00	-32.02	Peak	

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

Vertical

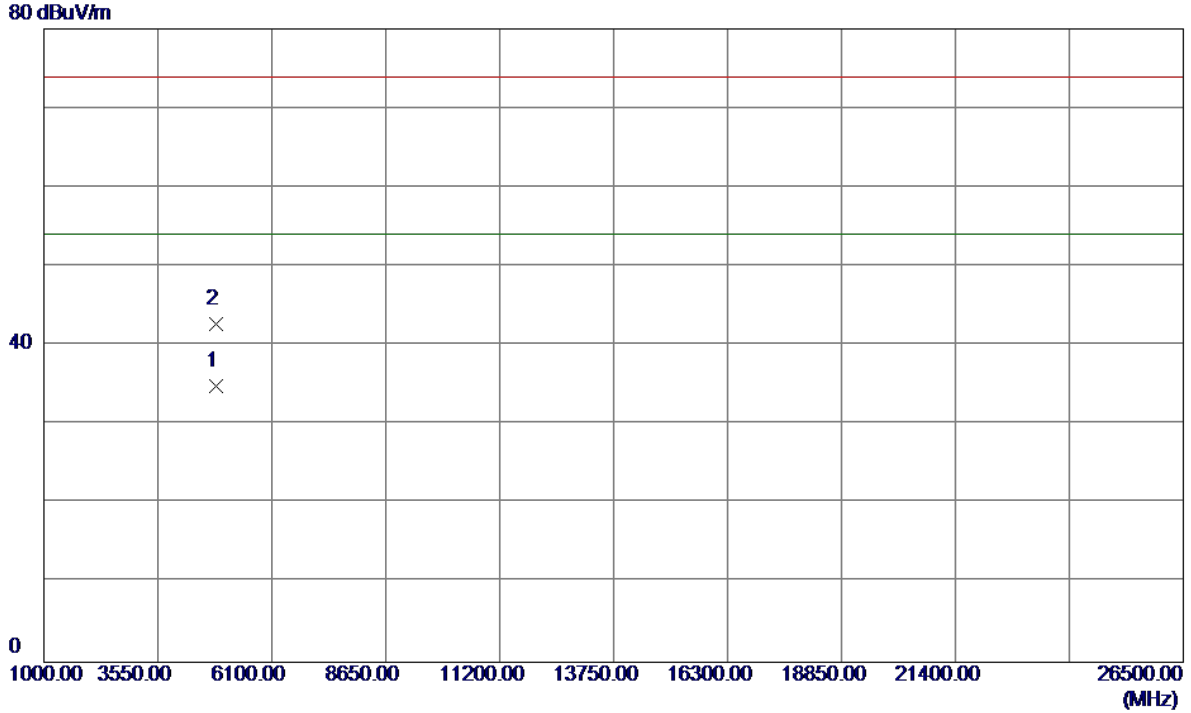
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.15	33.06	57.21	74.00	-16.79	Peak	
2	2390.0000	13.36	33.06	46.42	54.00	-7.58	AVG	
3	2420.0000	54.46	33.17	87.63	74.00	13.63	Peak	No limit
4 *	2425.6000	45.64	33.19	78.83	54.00	24.83	AVG	No limit

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

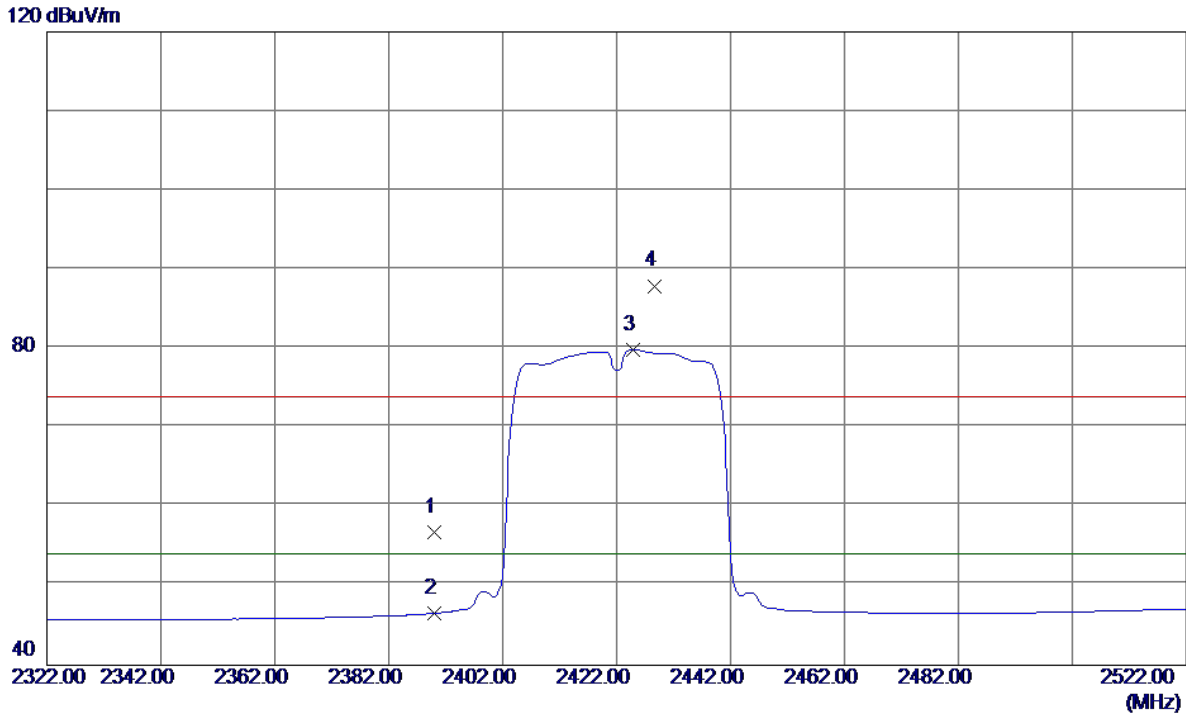
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4843.9020	28.45	6.37	34.82	54.00	-19.18	AVG	
2	4844.0379	36.31	6.37	42.68	74.00	-31.32	Peak	

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

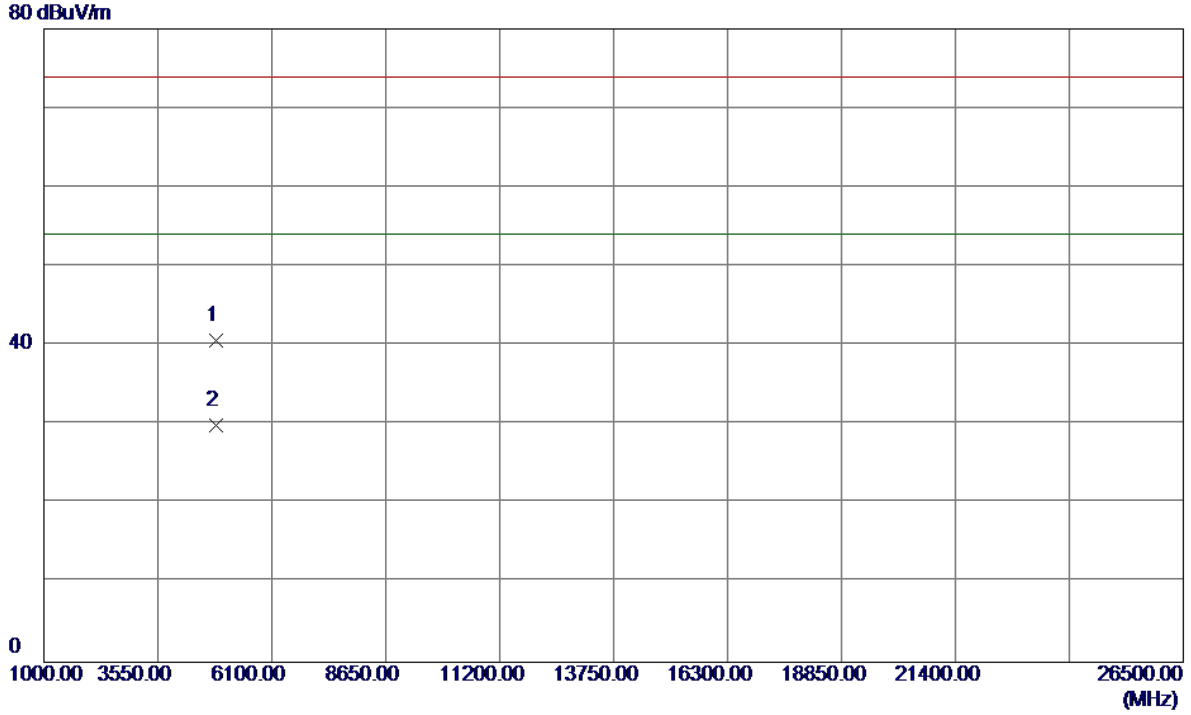
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.78	33.06	56.84	74.00	-17.16	Peak	
2	2390.0000	13.51	33.06	46.57	54.00	-7.43	AVG	
3 *	2424.8000	46.64	33.19	79.83	54.00	25.83	AVG	No limit
4	2428.6000	54.72	33.20	87.92	74.00	13.92	Peak	No limit

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

Horizontal

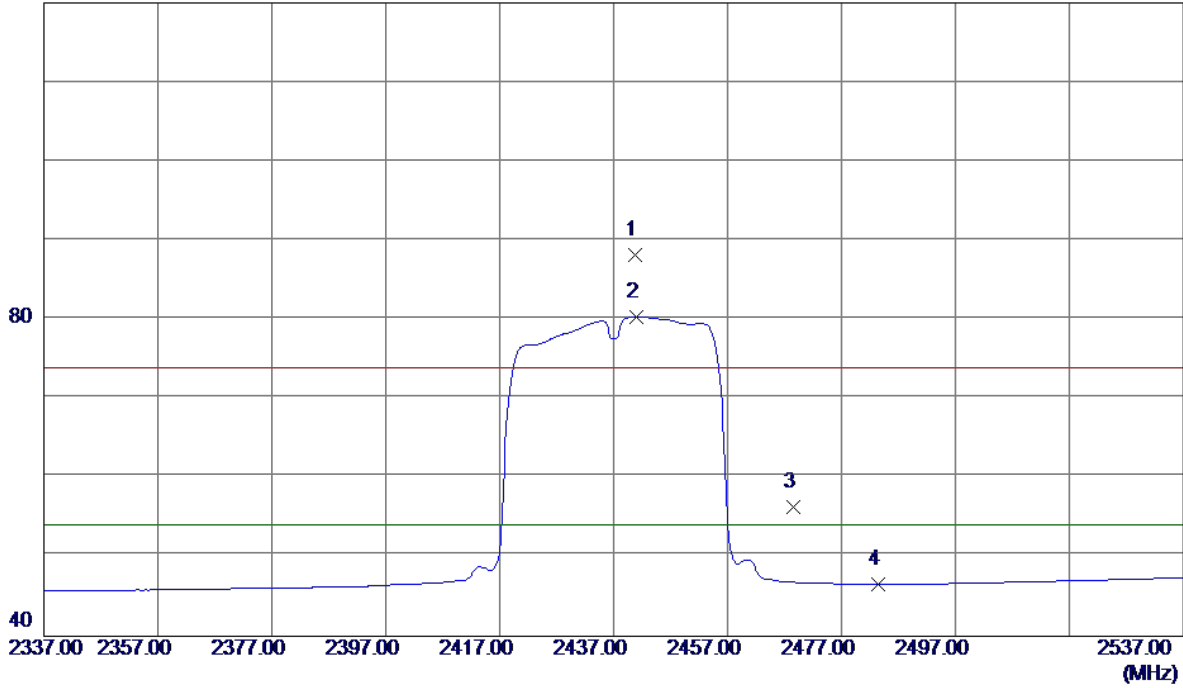


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4843.7660	34.27	6.37	40.64	74.00	-33.36	Peak	
2 *	4844.2040	23.52	6.37	29.89	54.00	-24.11	AVG	

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

Vertical

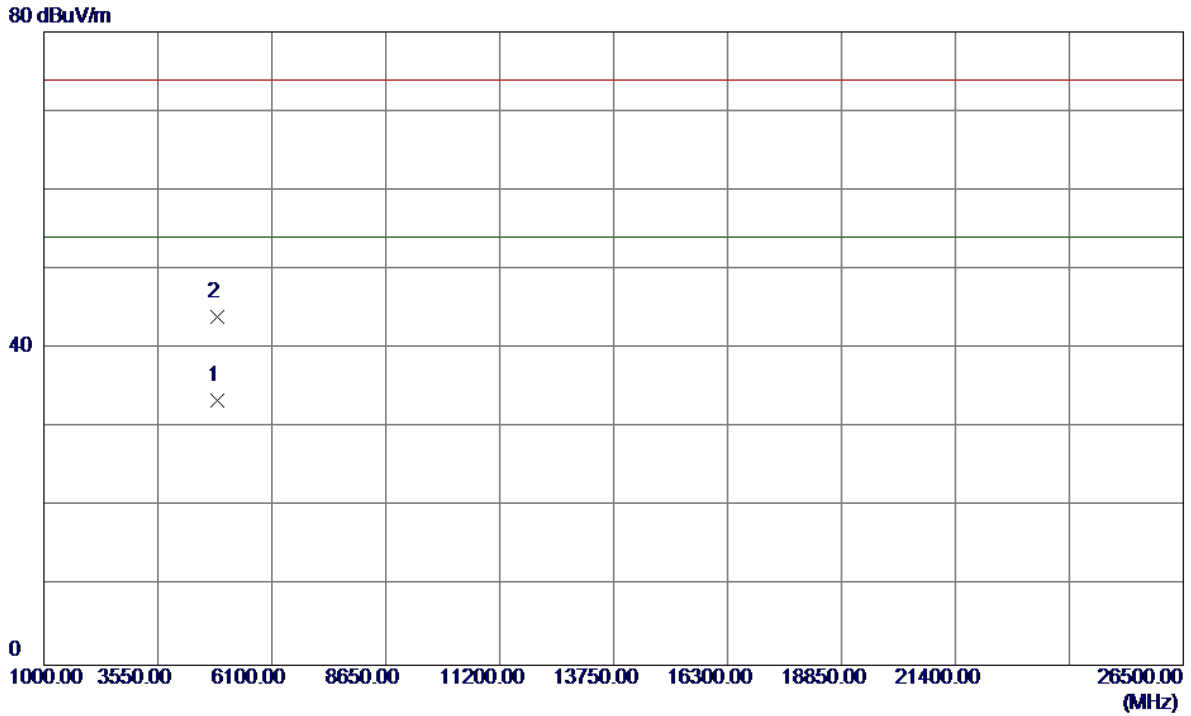
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2440.8000	54.88	33.25	88.13	74.00	14.13	Peak	No limit
2 *	2441.0000	47.13	33.25	80.38	54.00	26.38	AVG	No limit
3	2468.6000	22.92	33.35	56.27	74.00	-17.73	Peak	
4	2483.5000	13.14	33.41	46.55	54.00	-7.45	AVG	

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

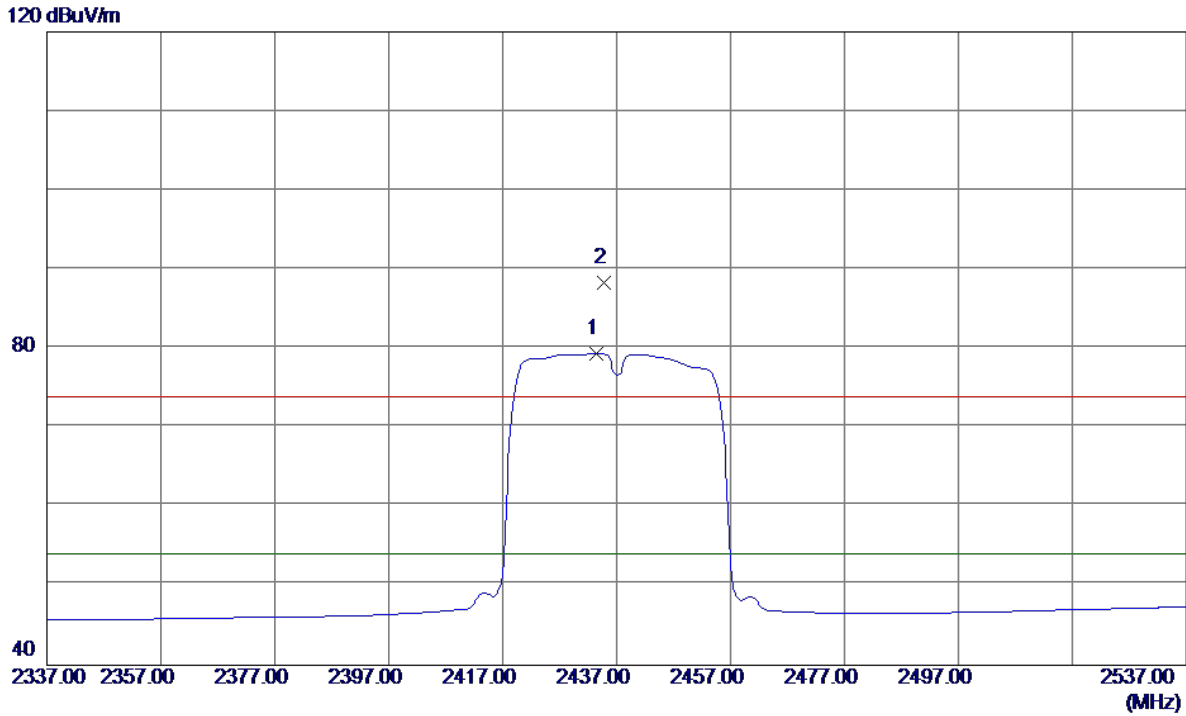
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.9980	26.97	6.44	33.41	54.00	-20.59	AVG	
2	4874.0160	37.49	6.44	43.93	74.00	-30.07	Peak	

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

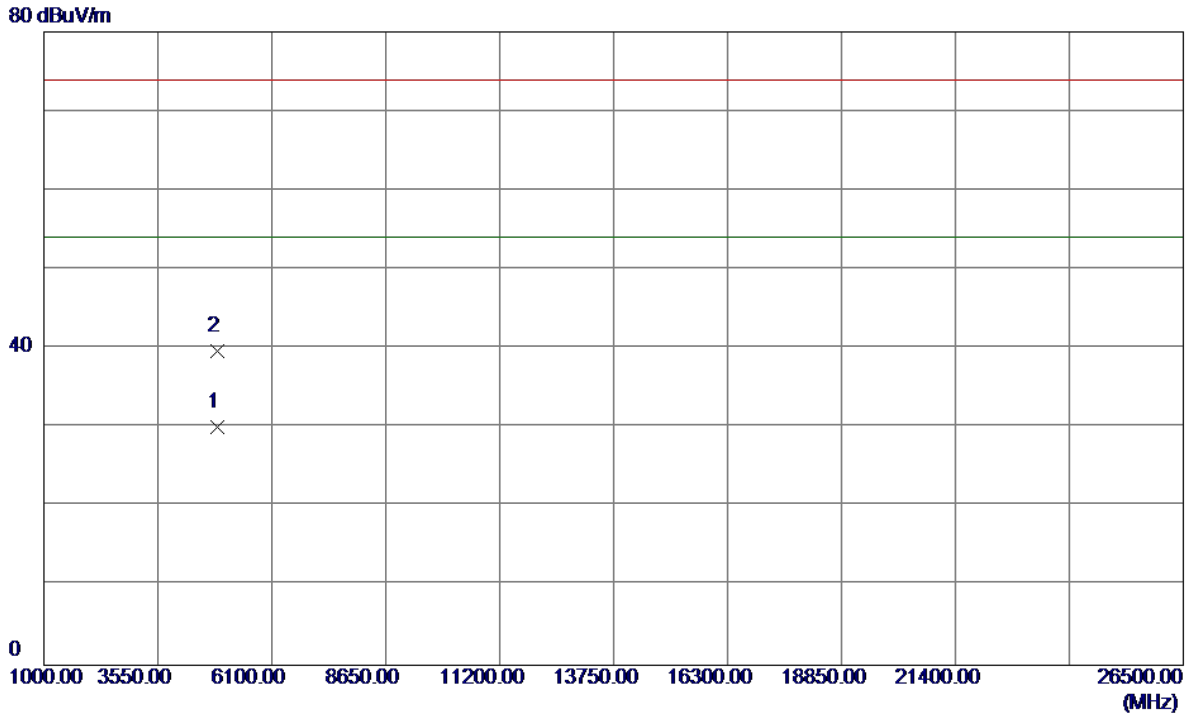
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2433.4000	46.15	33.22	79.37	54.00	25.37	AVG	No limit
2	2434.8000	55.12	33.22	88.34	74.00	14.34	Peak	No limit

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

Horizontal

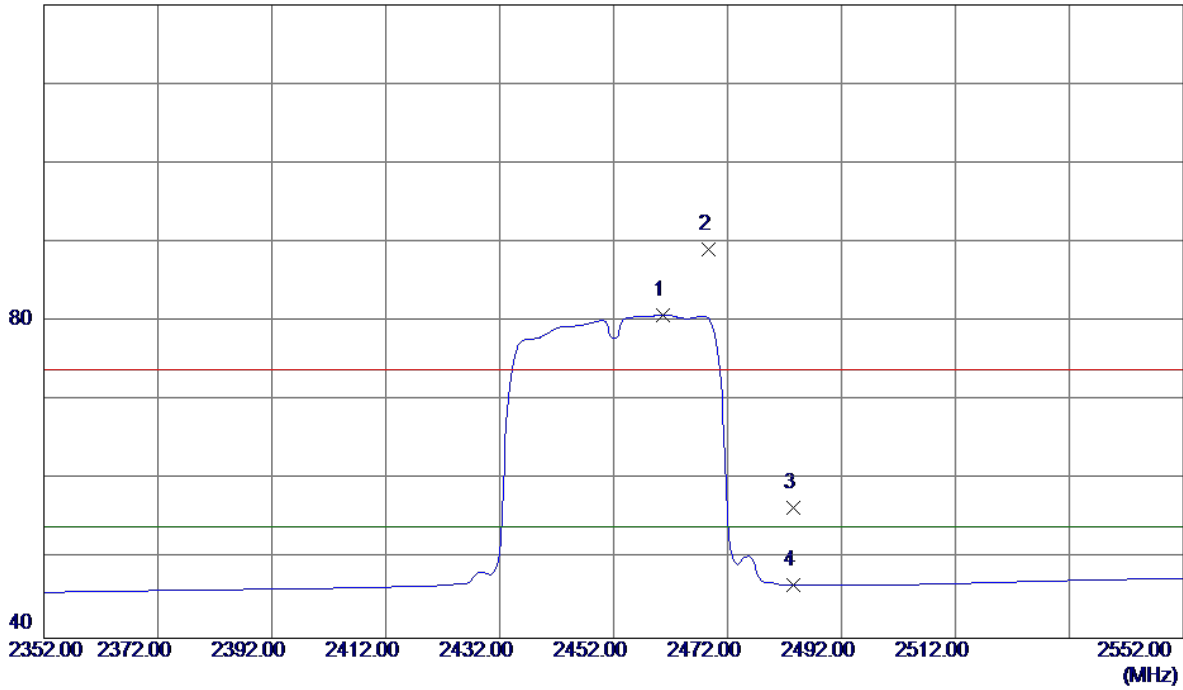


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.9040	23.71	6.44	30.15	54.00	-23.85	AVG	
2	4873.9140	33.27	6.44	39.71	74.00	-34.29	Peak	

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

Vertical

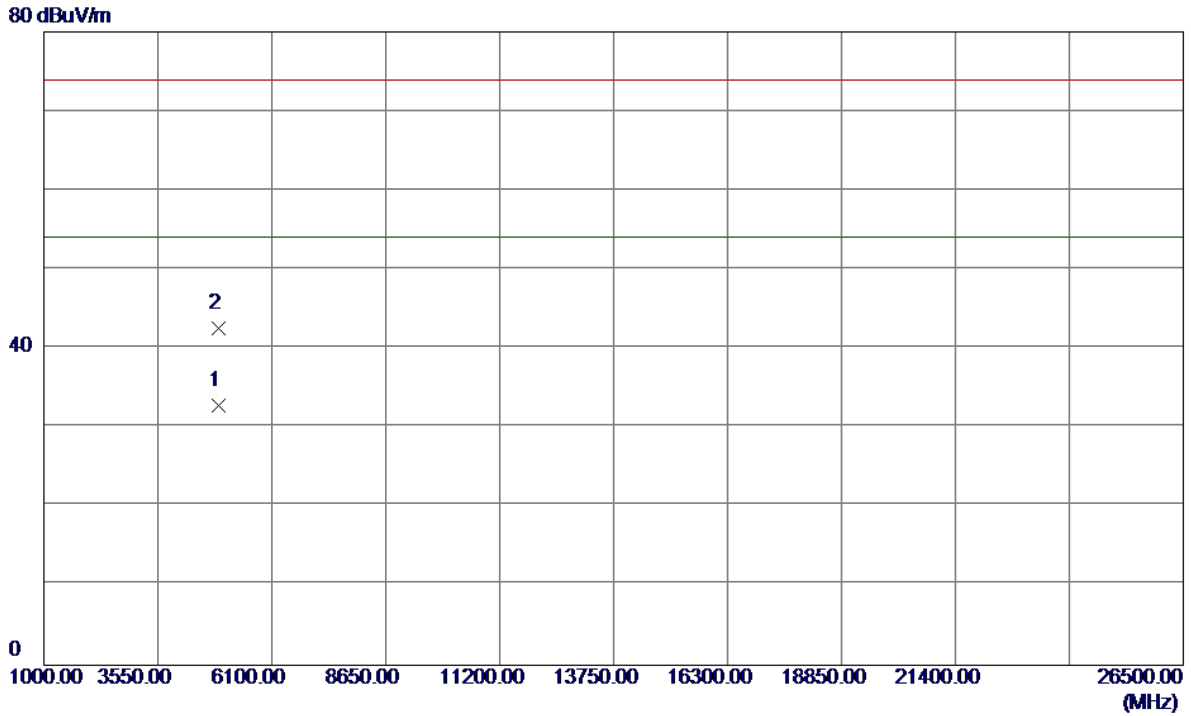
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2460.6000	47.50	33.32	80.82	54.00	26.82	AVG	No limit
2	2468.6000	55.77	33.35	89.12	74.00	15.12	Peak	No limit
3	2483.5000	23.04	33.41	56.45	74.00	-17.55	Peak	
4	2483.5000	13.34	33.41	46.75	54.00	-7.25	AVG	

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

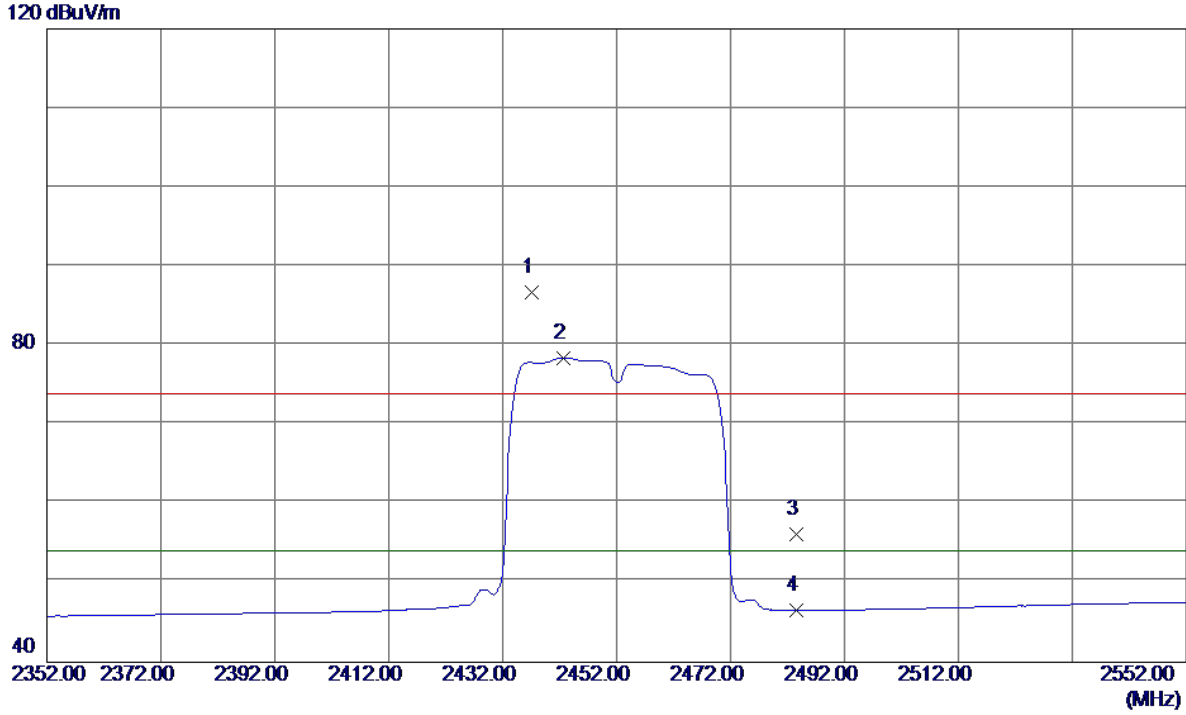
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4903.9920	26.22	6.52	32.74	54.00	-21.26	AVG	
2	4904.0700	36.09	6.52	42.61	74.00	-31.39	Peak	

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

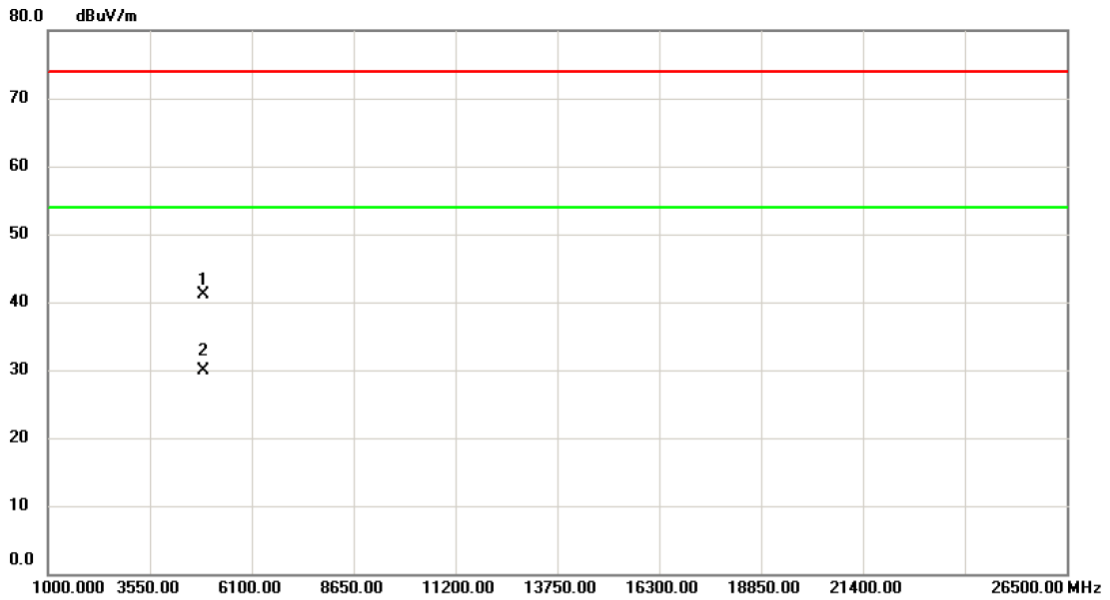
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2437.2000	53.45	33.23	86.68	74.00	12.68	Peak	No limit
2 *	2442.6000	45.21	33.25	78.46	54.00	24.46	AVG	No limit
3	2483.5000	22.74	33.41	56.15	74.00	-17.85	Peak	
4	2483.5000	13.15	33.41	46.56	54.00	-7.44	AVG	

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

Horizontal

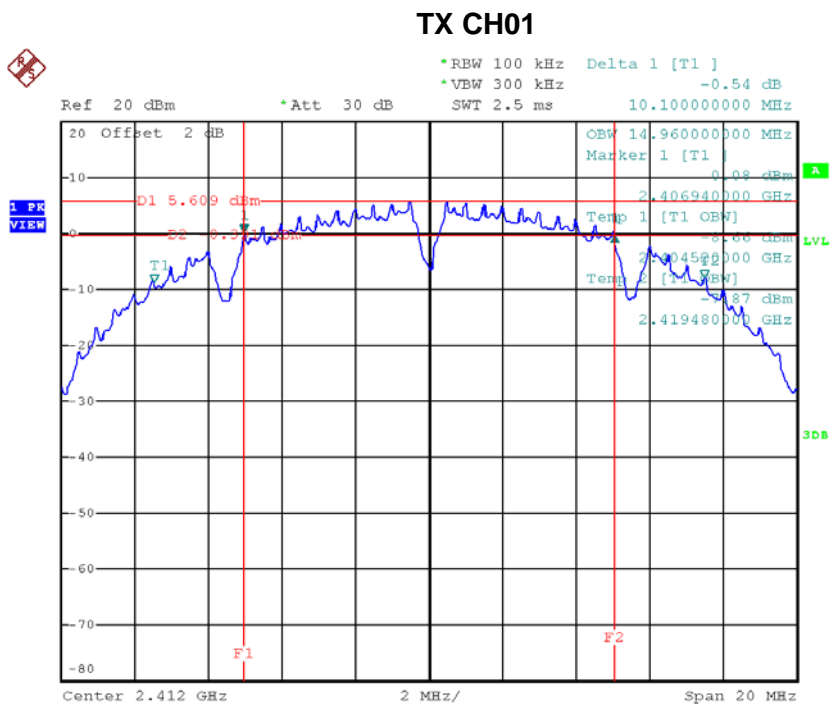


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4903.402	34.68	6.52	41.20	74.00	-32.80	peak	
2	*	4903.824	23.42	6.52	29.94	54.00	-24.06	AVG	

ATTACHMENT E - BANDWIDTH

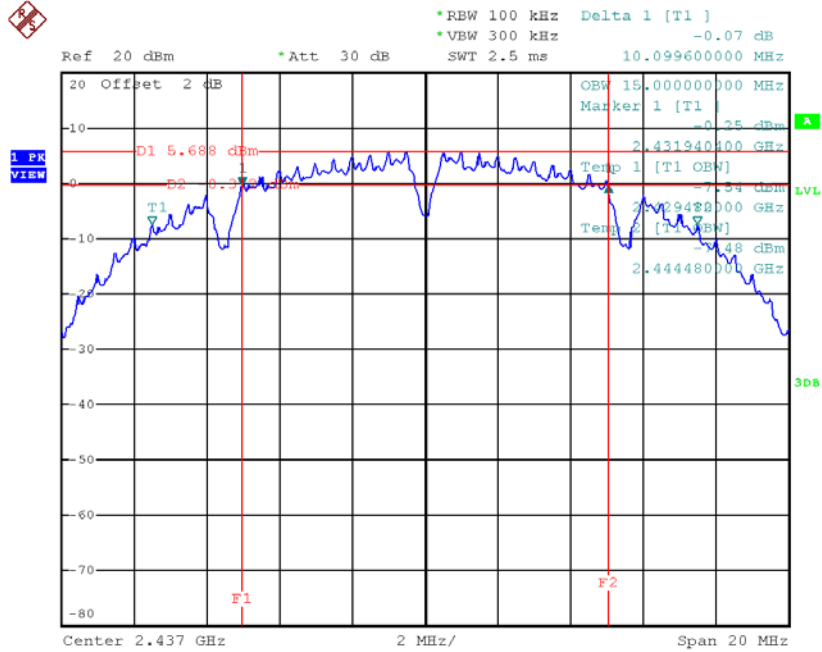
Test Mode : TX B Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.10	14.96	500	Complies
2437	10.10	15.00	500	Complies
2462	10.08	14.92	500	Complies



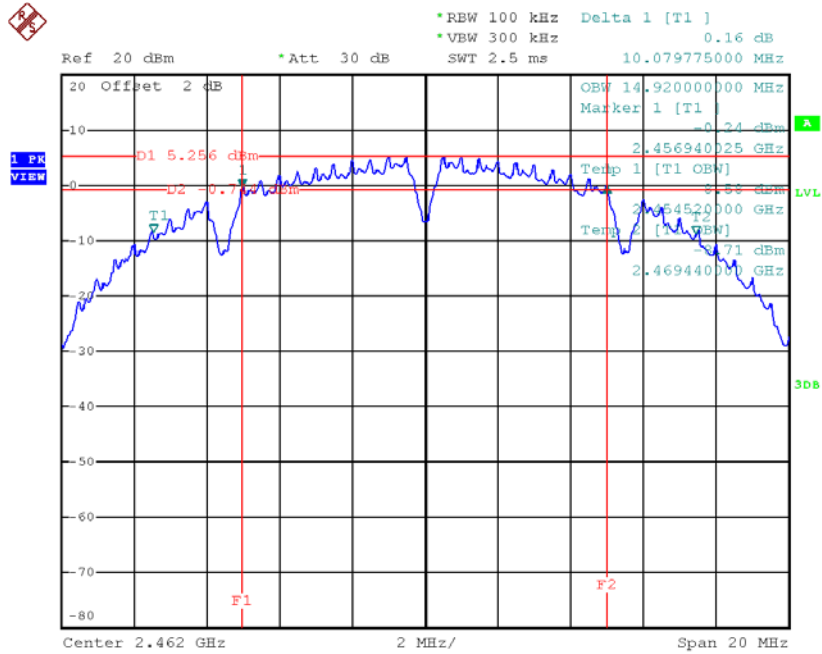
Date: 10.JUL.2017 10:21:08

TX CH06



Date: 10.JUL.2017 10:22:43

TX CH11

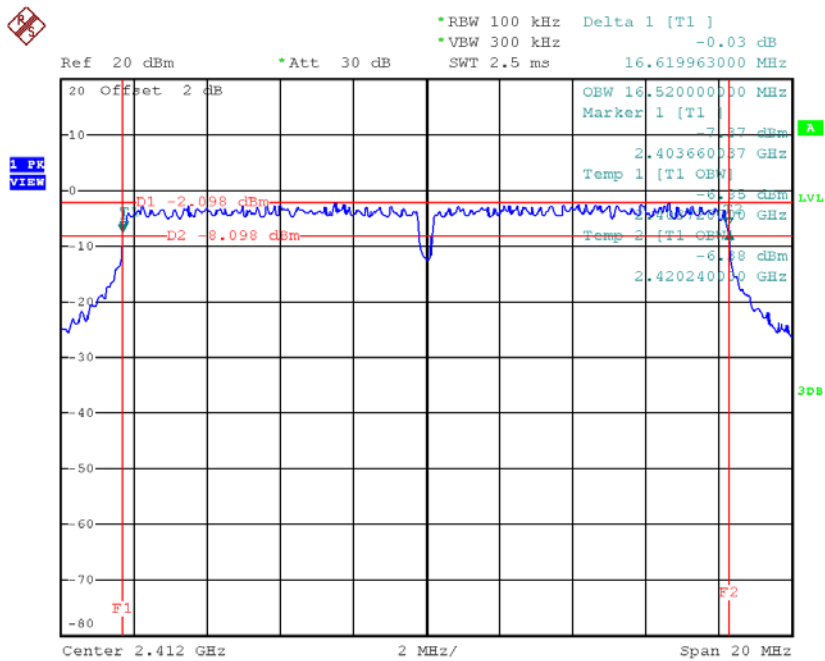


Date: 10.JUL.2017 10:24:29

Test Mode: TX G Mode_CH01/06/11

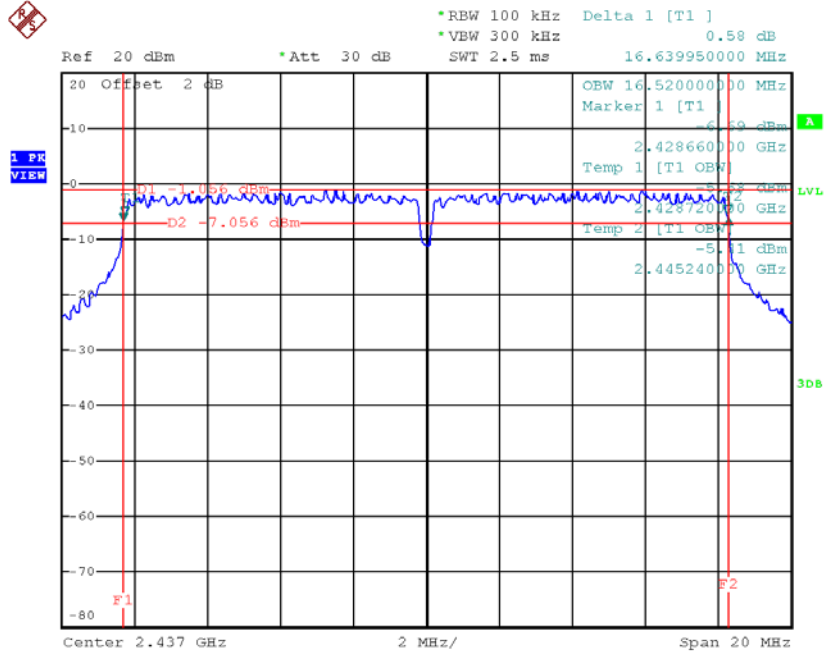
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.62	16.52	500	Complies
2437	16.64	16.52	500	Complies
2462	16.61	16.52	500	Complies

TX CH01



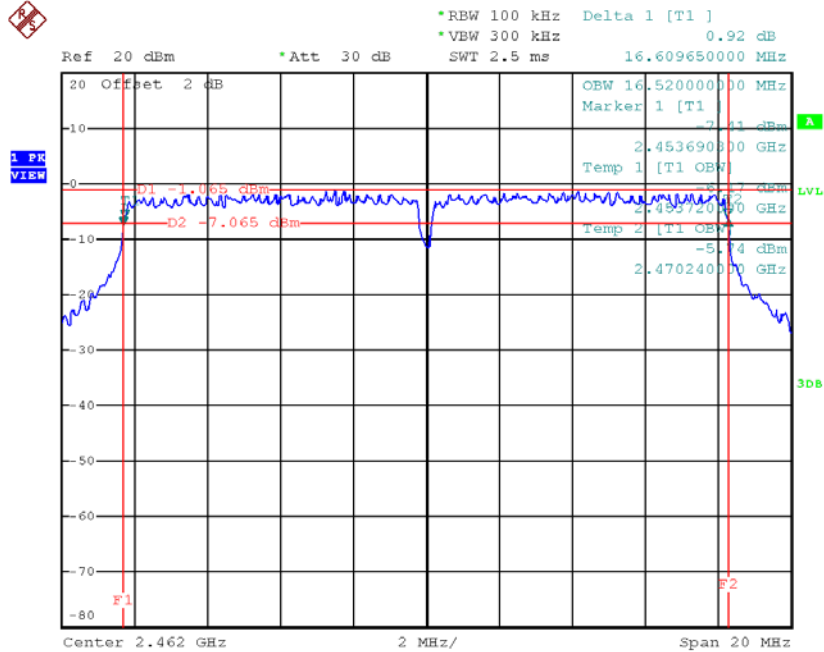
Date: 10.JUL.2017 10:27:09

TX CH06



Date: 10.JUL.2017 10:29:48

TX CH11

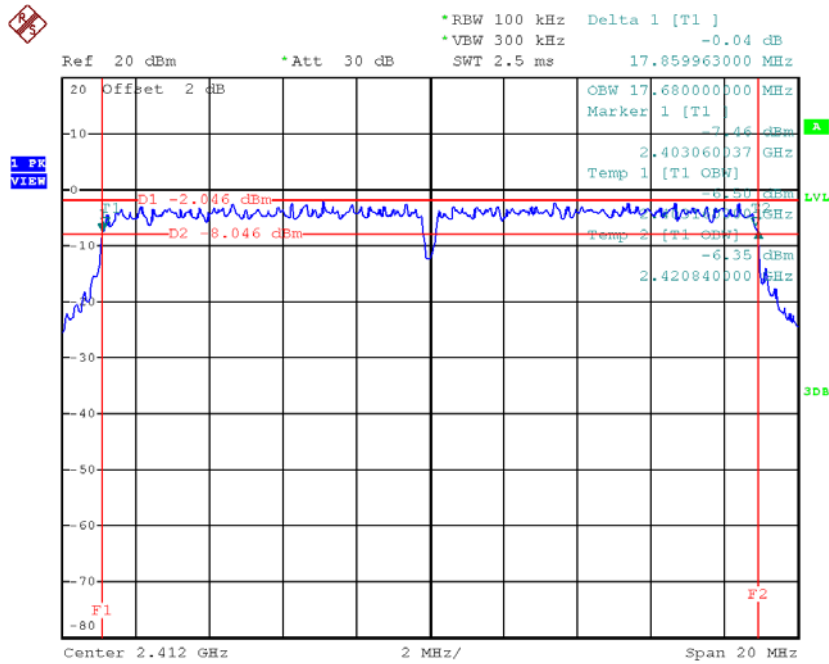


Date: 10.JUL.2017 10:30:54

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

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.86	17.68	500	Complies
2437	17.86	17.68	500	Complies
2462	17.86	17.72	500	Complies

TX CH01



Date: 10.JUL.2017 10:32:20