

FCC Radio Test Report

FCC ID: QISDP300

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

Project No. : 1507C176
Equipment : Desktop Presence
Model Name : HUAWEI DP300
Applicant : Huawei Technologies Co.,Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China

Date of Receipt : Jul. 15, 2015
Date of Test : Jul. 15, 2015 ~ Aug. 31, 2015
Issued Date : Sep. 01, 2015
Tested by : BTL Inc.

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**, or National Institute of Standards and Technology (**NIST**) of **U.S.A**.

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

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1507C176	Original Issue.	Sep. 01, 2015

1. CERTIFICATION

Equipment : Desktop Presence
Brand Name : HUAWEI
Model Name : HUAWEI DP300
Applicant : Huawei Technologies Co.,Ltd.
Manufacturer : Huawei Technologies Co.,Ltd.
Address : Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen,
518129, P.R.China
Factory : Huawei Technologies Co.,Ltd.
Address : Administration Building, Huawei Base, Bantian, Longgang District, Shenzhen,
518129, P.R.China
Date of Test : Jul. 15, 2015 ~ Aug. 31, 2015
Test Sample : Engineering Sample
Standard(s) : FCC Part15, Subpart C: 2014 (15.247) / ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1507C176) 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: 2014				
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	
15.209/15.205		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)	Note
DG-C02	CISPR	150 KHz ~ 30MHz	2.32	

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)	Note
DG-CB03 (3m)	CISPR	9KHz ~ 30MHz	V	3.79	
		9KHz ~ 30MHz	H	3.57	
		30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	H	3.78	
		200MHz ~ 1,000MHz	V	4.10	
		200MHz ~ 1,000MHz	H	4.06	

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)	Note
DG-CB03 (3m)	CISPR	1GHz ~ 18GHz	V	3.12	
		1GHz ~ 18GHz	H	3.68	
		18GHz ~ 40GHz	V	4.15	
		18GHz ~ 40GHz	H	4.14	

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Desktop Presence	
Brand Name	HUAWEI	
Model Name	HUAWEI DP300	
Model Difference	N/A	
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: 15.97dBm 802.11g: 21.37dBm 802.11n(20MHz): 21.89dBm 802.11n(40MHz): 19.06dBm
Power Source	DC voltage supplied from AC Adapter.	
Power Rating	I/P: 100-240V~, 2A, 50-60Hz O/P: DC 19V, 7.89A	

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)	Note
1	shenglu	SL10666E	Internal	U.FL	2.0	

3.2 DESCRIPTION OF TEST MODES

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

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

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 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:

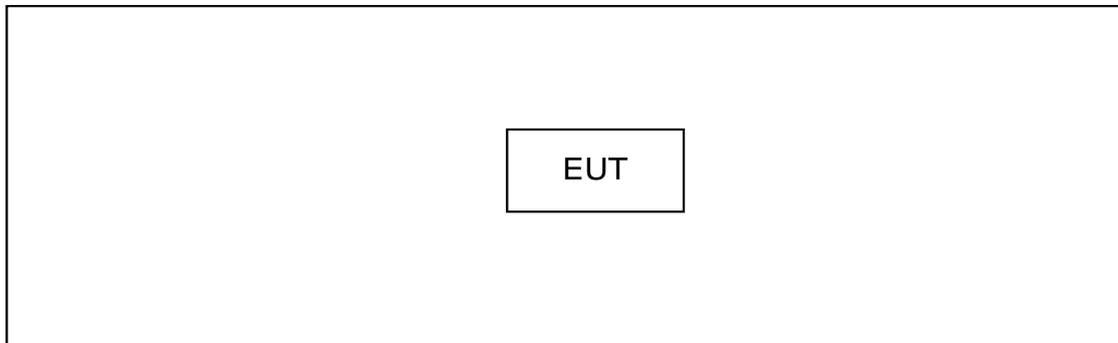
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : BPSK (6.5Mbps)
 802.11n HT40 mode : BPSK (13.5Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3) 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	ipop		
Frequency (MHz)	2412	2437	2462
802.11b	9	9	9
802.11g	9	9	9
802.11n (20MHz)	8	9	8
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	0	3	0

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

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

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
0.15 -0.1	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

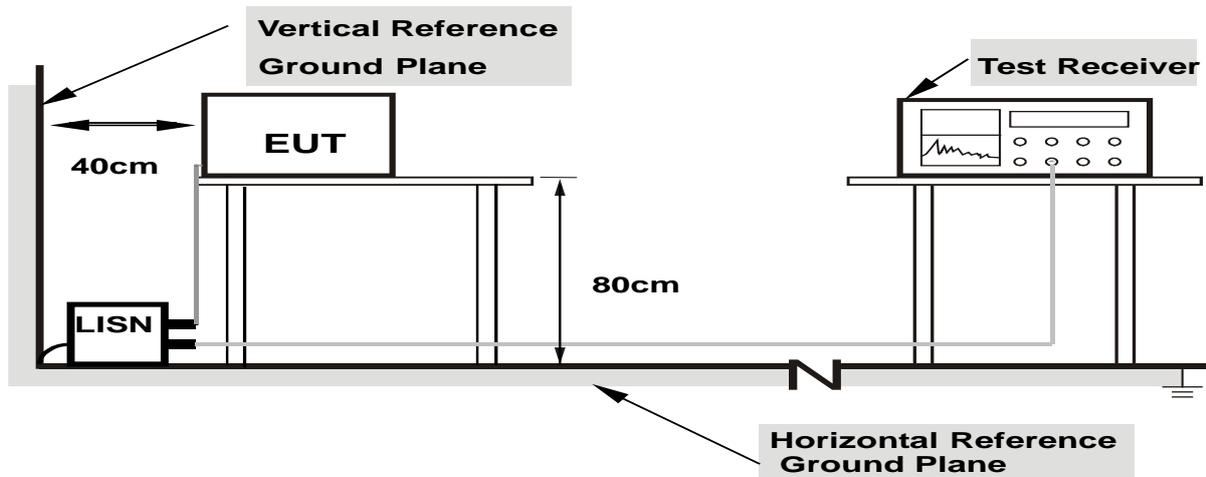
4.1.2 TEST PROCEDURE

- 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: 27°C Relative Humidity: 57% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

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

Notes:

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

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

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

4.2.2 TEST PROCEDURE

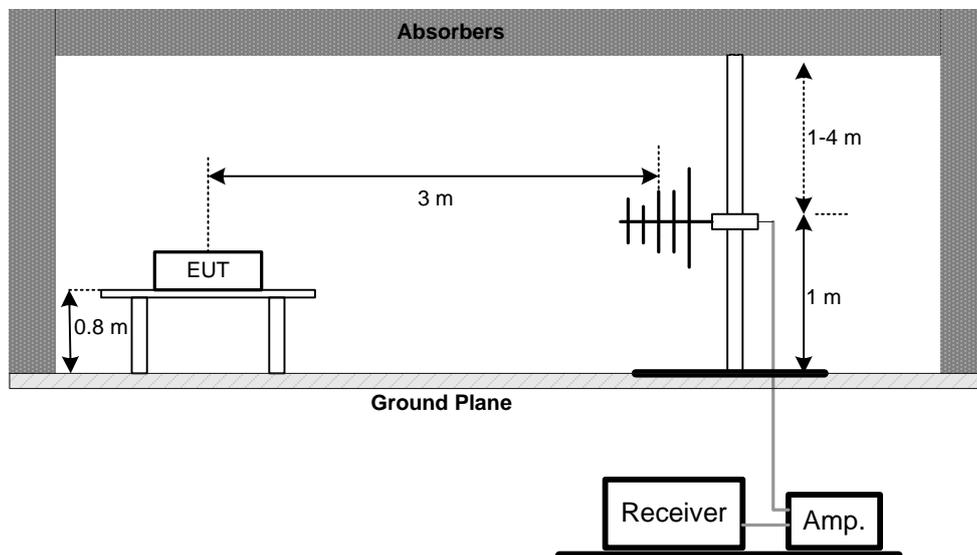
- a. The measuring distance of at 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of at 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5m, 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. The initial step in collecting conducted emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. 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)
- f. 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)
- g. For the actual test configuration, please refer to the related Item - Block Diagram of system tested (please refer to 3.3).

4.2.3 DEVIATION FROM TEST STANDARD

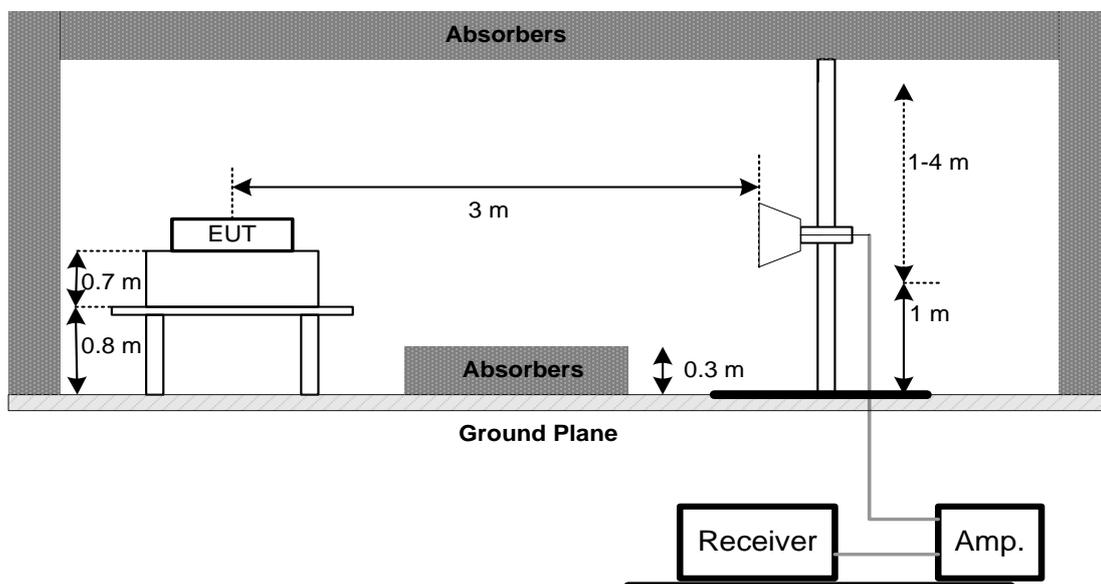
No deviation

4.2.4 TEST SETUP

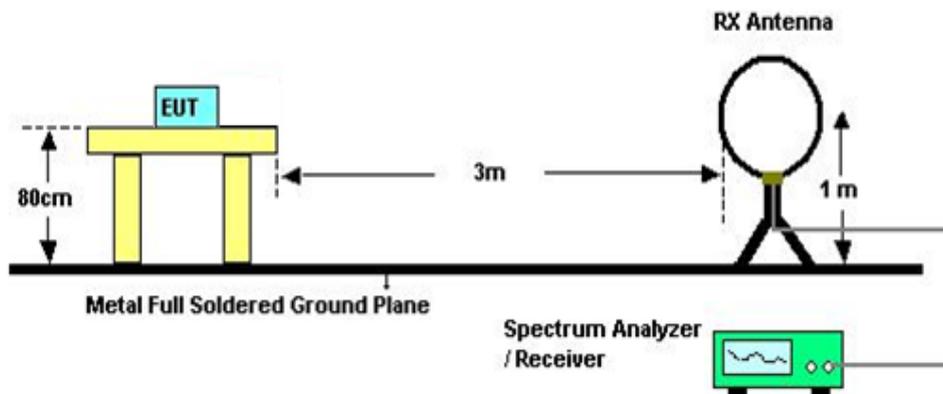
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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: 27°C Relative Humidity: 57% 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: 27°C Relative Humidity: 58% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- b. The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r03.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

Temperature: 27°C Relative Humidity: 59% 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: 27°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: 27°C Relative Humidity: 50% Test Voltage: AC 120V/60Hz

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Mar. 28, 2016
2	LISN	R&S	ENV216	101447	Mar. 28, 2016
3	Test Cable	emci	RG223(9KHz-30MHz)	C_17	Mar. 13, 2016
4	EMI Test Receiver	R&S	ESCS30	826547/022	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 28, 2016
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Nov. 17, 2015
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 28, 2016
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Nov. 02, 2015
8	Test Cable	emci	EMC104-SM-SM-10000(1GHz-26.5GHz)	C-68	Jun. 28, 2016
9	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
10	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 28, 2016
11	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Aug. 15, 2016
12	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement

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

Peak Output Power Measurement

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

Antenna Conducted Spurious Emission Measurement

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

Power Spectral Density Measurement

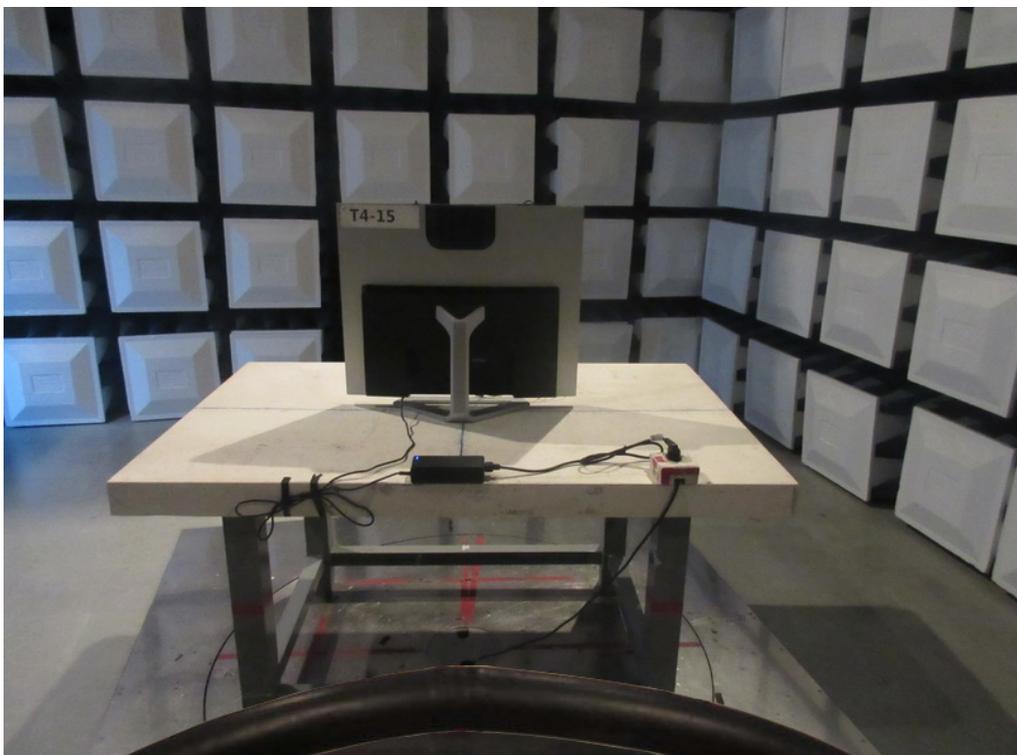
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

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

10. EUT TEST PHOTO

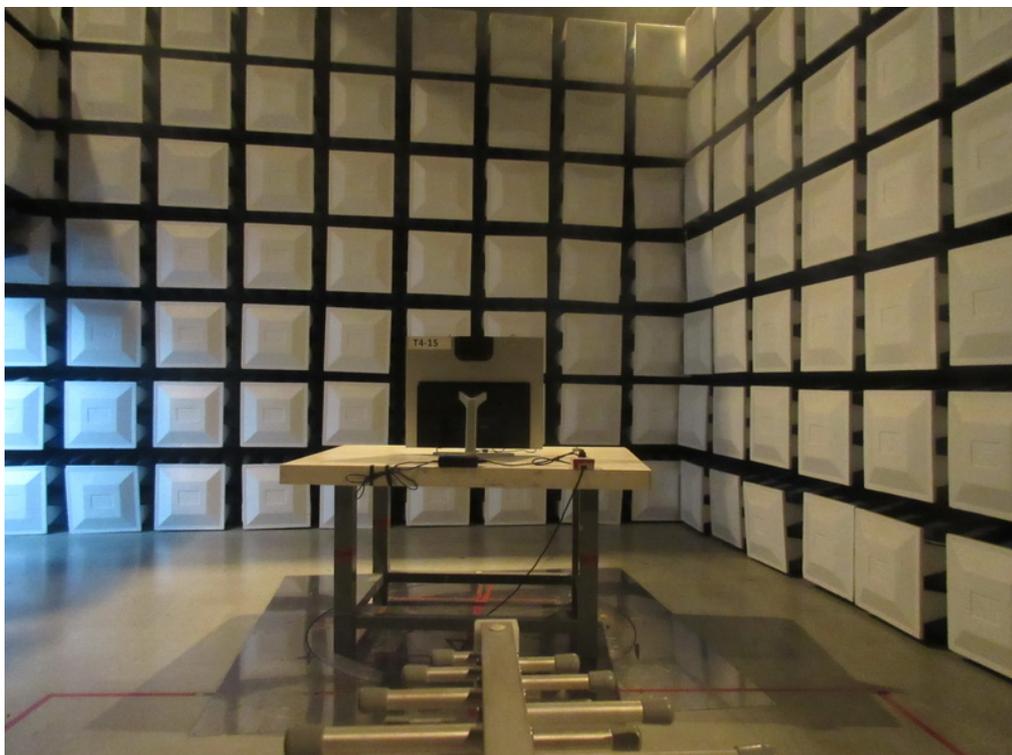
Conducted Measurement Photos



Radiated Measurement Photos**9KHz to 30MHz**

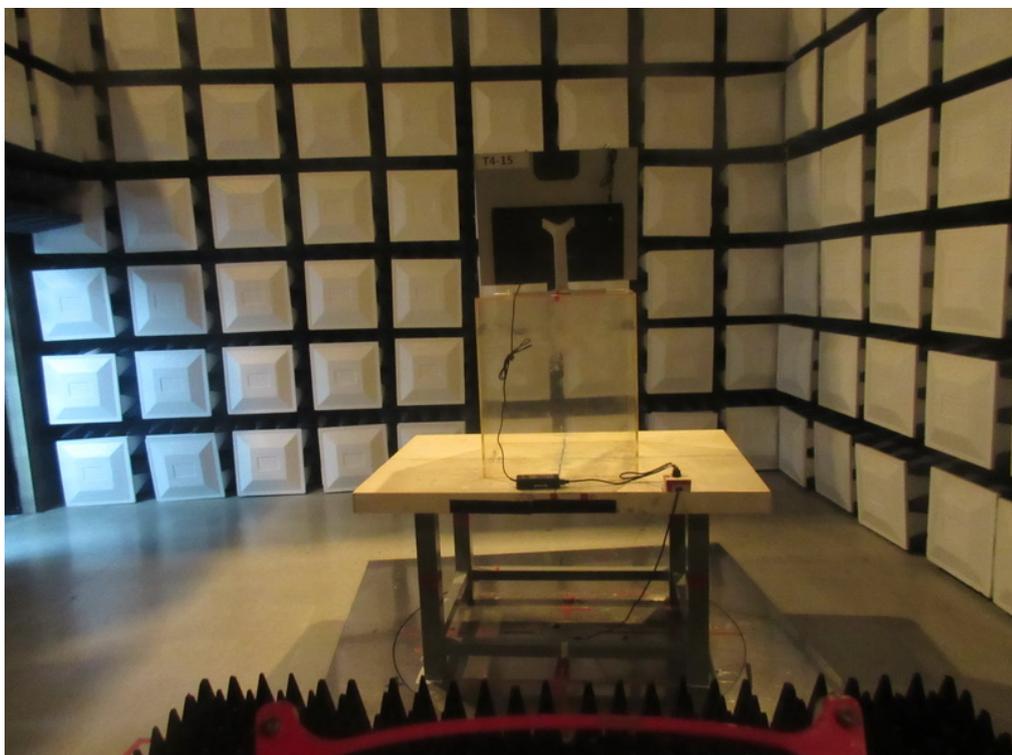
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

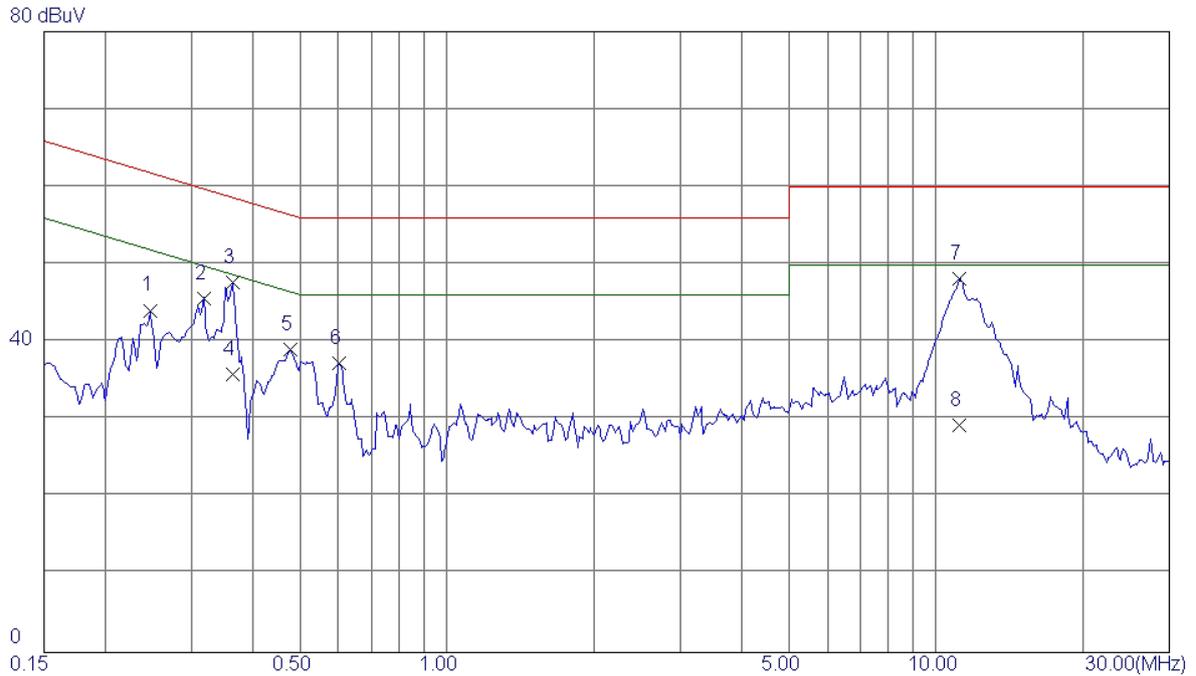
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX MODE

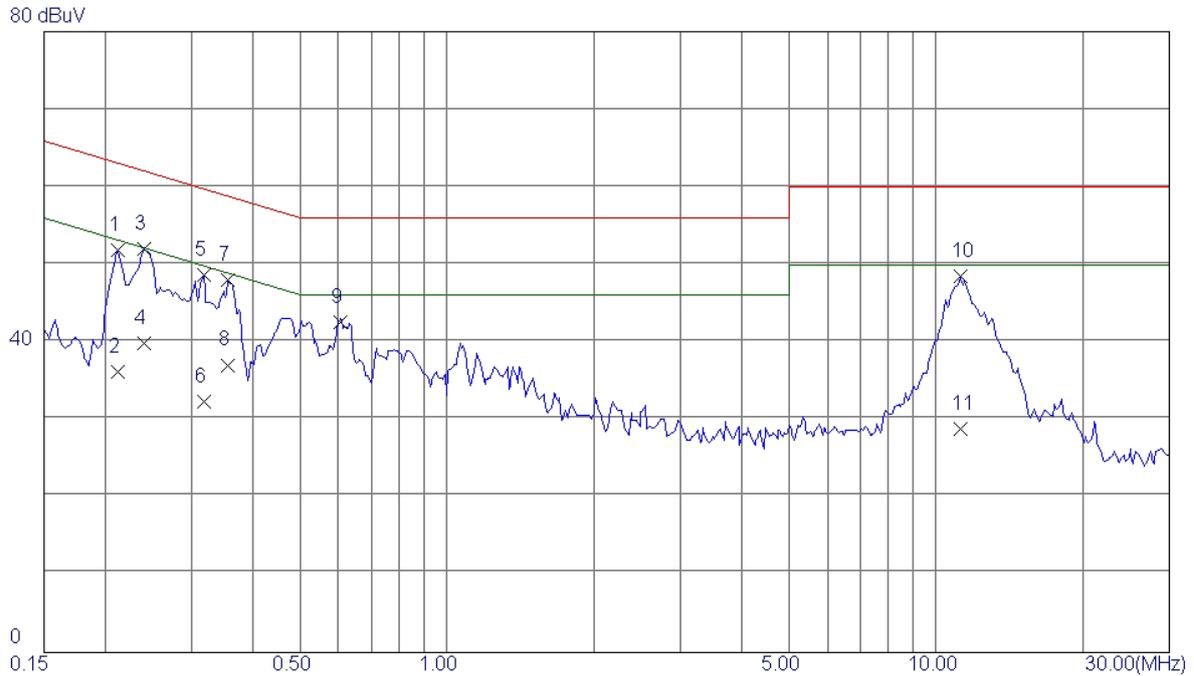
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.2477	34.47	9.61	44.08	61.83	-17.75	Peak	
2	0.3180	36.02	9.64	45.66	59.76	-14.10	Peak	
3	0.3648	38.07	9.65	47.72	58.62	-10.90	Peak	
4	0.3648	26.21	9.65	35.86	48.62	-12.76	AVG	
5	0.4781	29.30	9.68	38.98	56.37	-17.39	Peak	
6	0.6031	27.53	9.72	37.25	56.00	-18.75	Peak	
7	11.1680	38.30	9.87	48.17	60.00	-11.83	Peak	
8	11.1680	19.39	9.87	29.26	50.00	-20.74	AVG	

Test Mode : TX MODE

Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.2125	42.36	9.50	51.86	63.11	-11.25	Peak	
2	0.2125	26.60	9.50	36.10	53.11	-17.01	AVG	
3	0.2398	42.49	9.51	52.00	62.10	-10.10	Peak	
4	0.2398	30.40	9.51	39.91	52.10	-12.19	AVG	
5	0.3180	39.11	9.53	48.64	59.76	-11.12	Peak	
6	0.3180	22.79	9.53	32.32	49.76	-17.44	AVG	
7	0.3570	38.48	9.53	48.01	58.80	-10.79	Peak	
8	0.3570	27.51	9.53	37.04	48.80	-11.76	AVG	
9	0.6070	33.03	9.55	42.58	56.00	-13.42	Peak	
10	11.2110	38.56	9.87	48.43	60.00	-11.57	Peak	
11	11.2110	18.99	9.87	28.86	50.00	-21.14	AVG	

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

Test Mode:	TX B MODE CHANNEL 01
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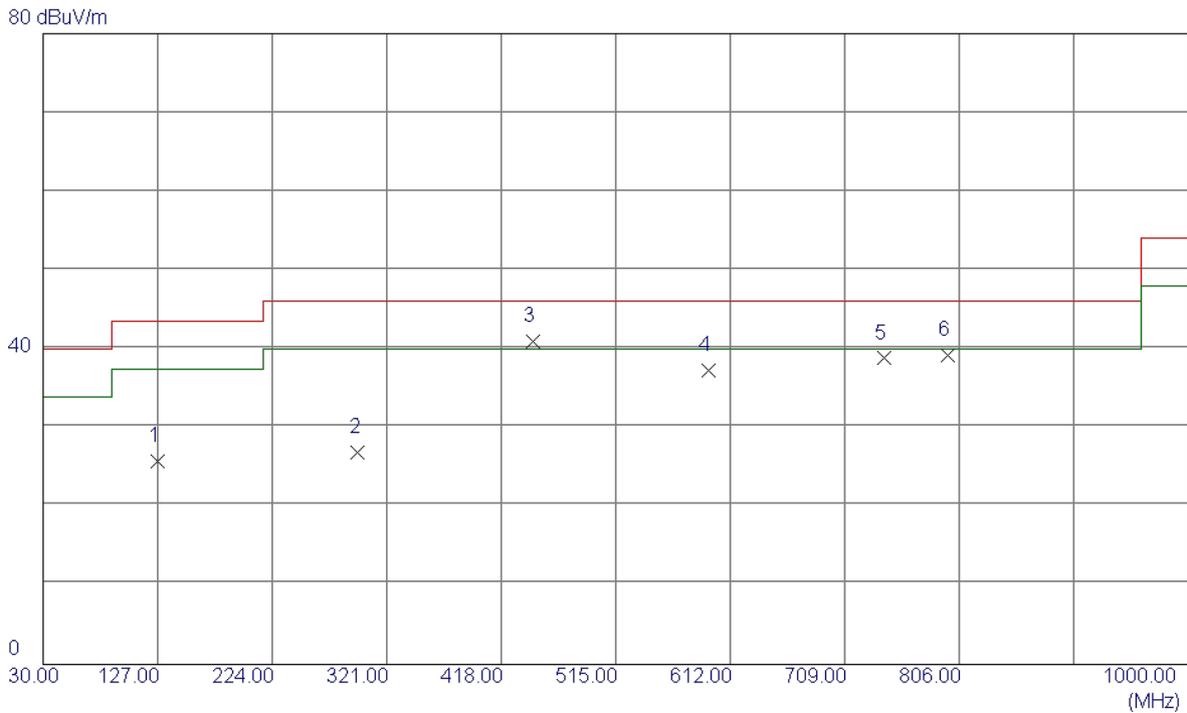
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.00942	0°	13.4	24.9701	38.3701	128.1232	-89.7531	AVG
0.00942	0°	14.26	24.9701	39.2301	148.1232	-108.8931	PEAK
0.0226	0°	6.71	24.1353	30.8453	120.5221	-89.6767	AVG
0.0226	0°	8.11	24.1353	32.2453	140.5221	-108.2767	PEAK
0.0318	0°	3.16	23.5527	26.7127	117.5557	-90.8430	AVG
0.0318	0°	5.57	23.5527	29.1227	137.5557	-108.4330	PEAK
0.0421	0°	1.15	22.9003	24.0503	115.1186	-91.0682	AVG
0.0421	0°	2.52	22.9003	25.4203	135.1186	-109.6982	PEAK
0.4914	0°	19.34	19.8206	39.1606	73.7755	-34.6149	QP
1.7156	0°	23.69	19.5284	43.2184	69.5400	-26.3216	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.00939	90°	13.14	24.3000	37.4400	128.1509	-90.7109	AVG
0.00939	90°	14.87	24.3000	39.1700	148.1509	-108.9809	PEAK
0.0251	90°	7.27	23.9770	31.2470	119.6108	-88.3638	AVG
0.0251	90°	8.92	23.9770	32.8970	139.6108	-106.7138	PEAK
0.031	90°	5.22	23.6033	28.8233	117.7770	-88.9537	AVG
0.031	90°	6.18	23.6033	29.7833	137.7770	-107.9937	PEAK
0.0436	90°	1.53	22.8053	24.3353	114.8145	-90.4792	AVG
0.0436	90°	2.84	22.8053	25.6453	134.8145	-109.1692	PEAK
0.4916	90°	22.15	19.8202	41.9702	73.7720	-31.8018	QP
1.716	90°	24.52	19.5284	44.0484	69.5400	-25.4916	QP

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

Test Mode: TX B MODE CHANNEL 01

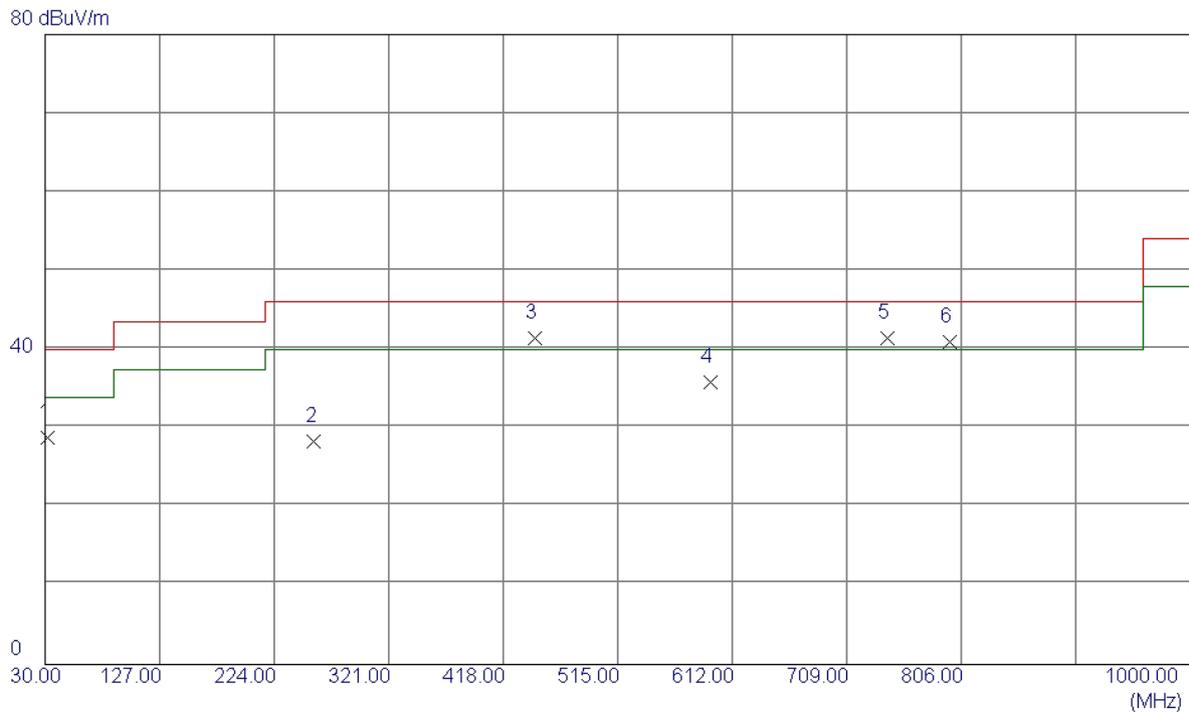
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	127.0000	37.57	-11.83	25.74	43.50	-17.76	Peak	
2	296.7500	36.52	-9.66	26.86	46.00	-19.14	Peak	
3	445.1600	47.06	-6.03	41.03	46.00	-4.97	Peak	
4	593.5700	41.88	-4.64	37.24	46.00	-8.76	Peak	
5	741.9800	40.23	-1.43	38.80	46.00	-7.20	Peak	
6	796.3000	39.18	0.04	39.22	46.00	-6.78	Peak	

Test Mode: TX B MODE CHANNEL 01

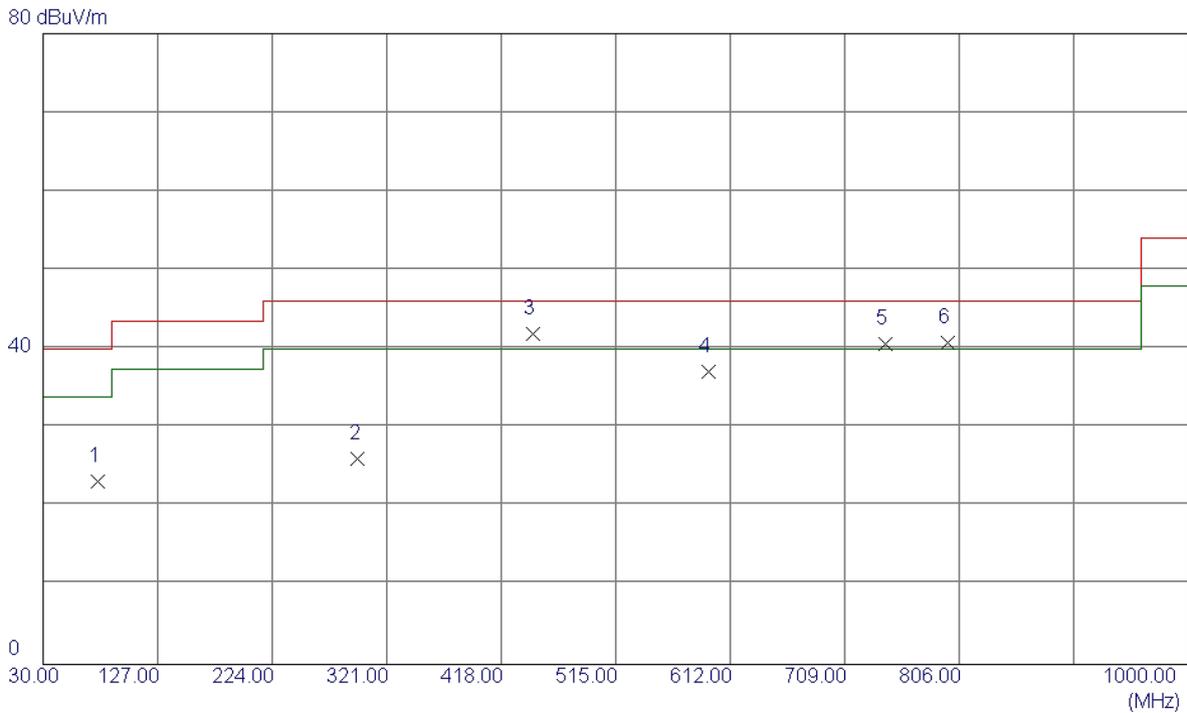
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	31.9400	42.64	-13.89	28.75	40.00	-11.25	Peak	
2	257.9500	40.93	-12.64	28.29	46.00	-17.71	Peak	
3	445.1600	47.45	-6.03	41.42	46.00	-4.58	Peak	
4	593.5700	40.45	-4.64	35.81	46.00	-10.19	Peak	
5	742.9500	42.94	-1.43	41.51	46.00	-4.49	Peak	
6	796.3000	40.92	0.04	40.96	46.00	-5.04	Peak	

Test Mode: TX B MODE CHANNEL 06

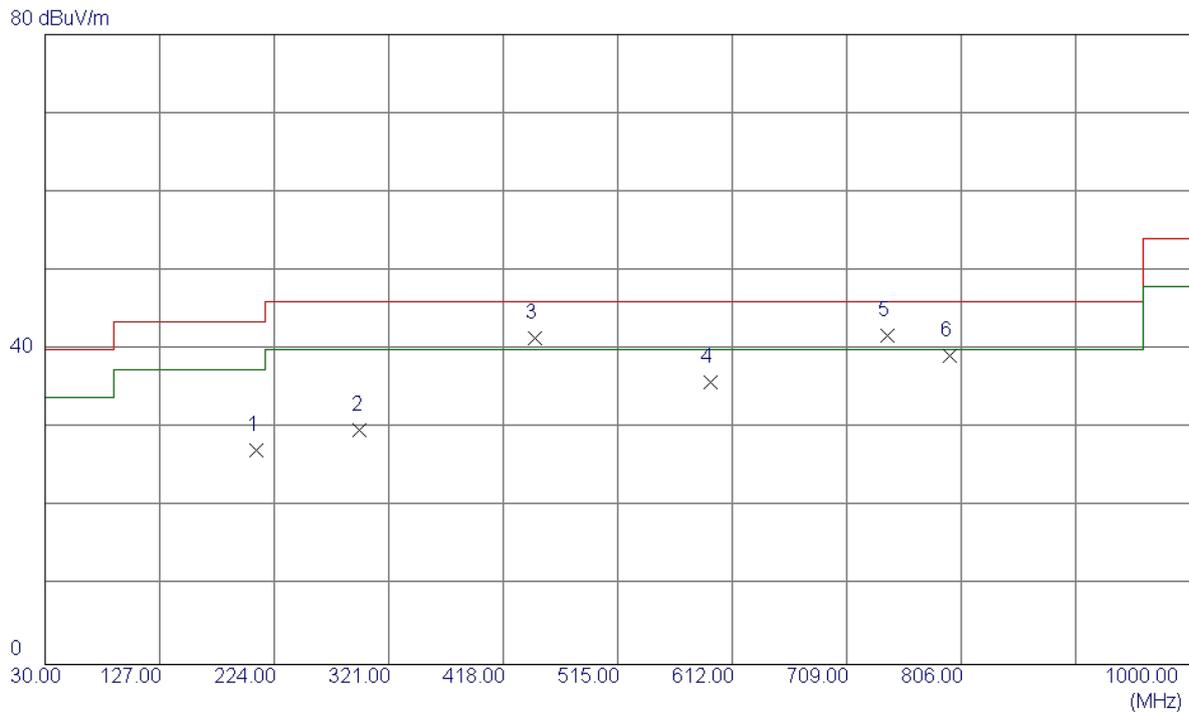
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	76.5600	38.57	-15.39	23.18	40.00	-16.82	Peak	
2	296.7500	35.69	-9.66	26.03	46.00	-19.97	Peak	
3	445.1600	47.89	-6.03	41.86	46.00	-4.14	Peak	
4	593.5700	41.71	-4.64	37.07	46.00	-8.93	Peak	
5	742.9500	42.09	-1.43	40.66	46.00	-5.34	Peak	
6	796.3000	40.72	0.04	40.76	46.00	-5.24	Peak	

Test Mode: TX B MODE CHANNEL 06

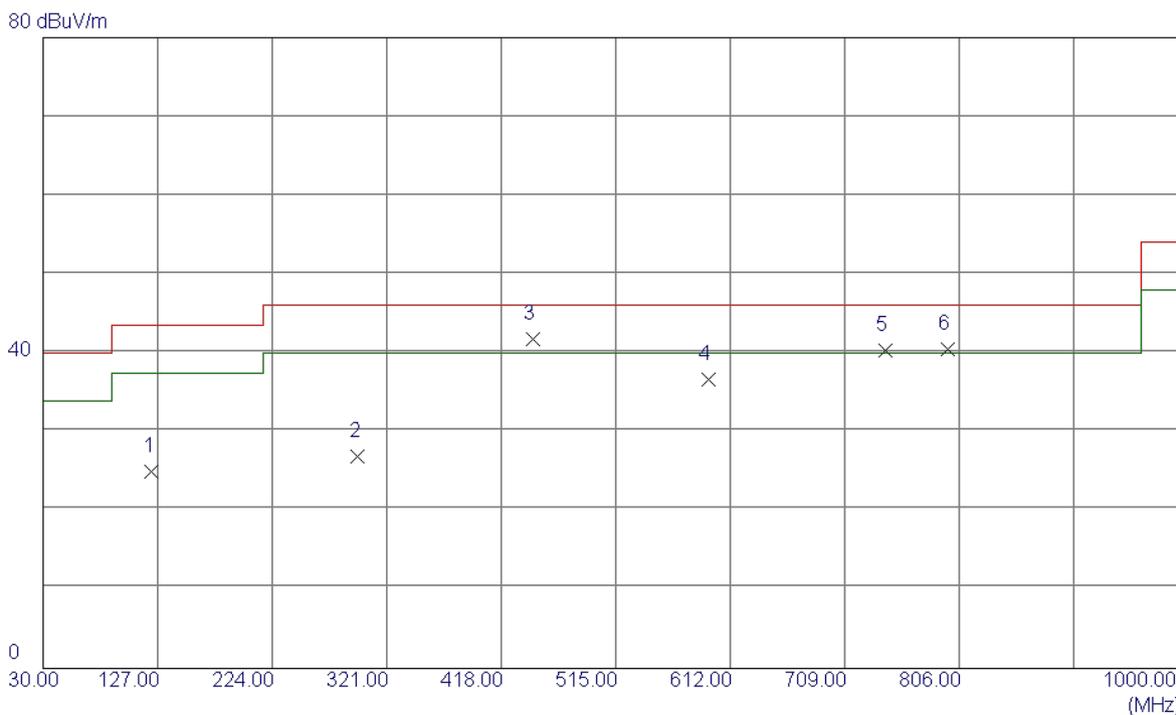
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	208.4800	40.98	-13.71	27.27	43.50	-16.23	Peak	
2	296.7500	39.35	-9.66	29.69	46.00	-16.31	Peak	
3	445.1600	47.50	-6.03	41.47	46.00	-4.53	Peak	
4	593.5700	40.51	-4.64	35.87	46.00	-10.13	Peak	
5	742.9500	43.24	-1.43	41.81	46.00	-4.19	Peak	
6	796.3000	39.18	0.04	39.22	46.00	-6.78	Peak	

Test Mode: TX B MODE CHANNEL 11

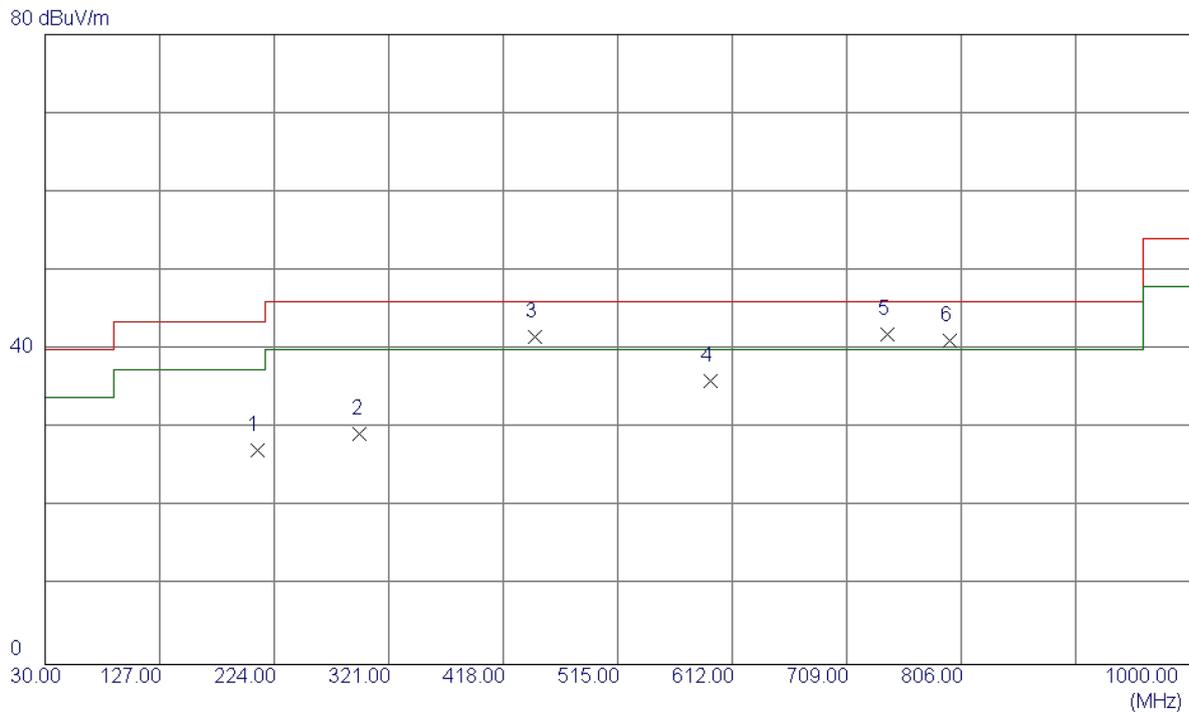
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	122.1500	37.24	-12.33	24.91	43.50	-18.59	Peak	
2	296.7500	36.51	-9.66	26.85	46.00	-19.15	Peak	
3	445.1600	47.72	-6.03	41.69	46.00	-4.31	Peak	
4	593.5700	41.33	-4.64	36.69	46.00	-9.31	Peak	
5	742.9500	41.74	-1.43	40.31	46.00	-5.69	Peak	
6	796.3000	40.50	0.04	40.54	46.00	-5.46	Peak	

Test Mode: TX B MODE CHANNEL 11

Horizontal

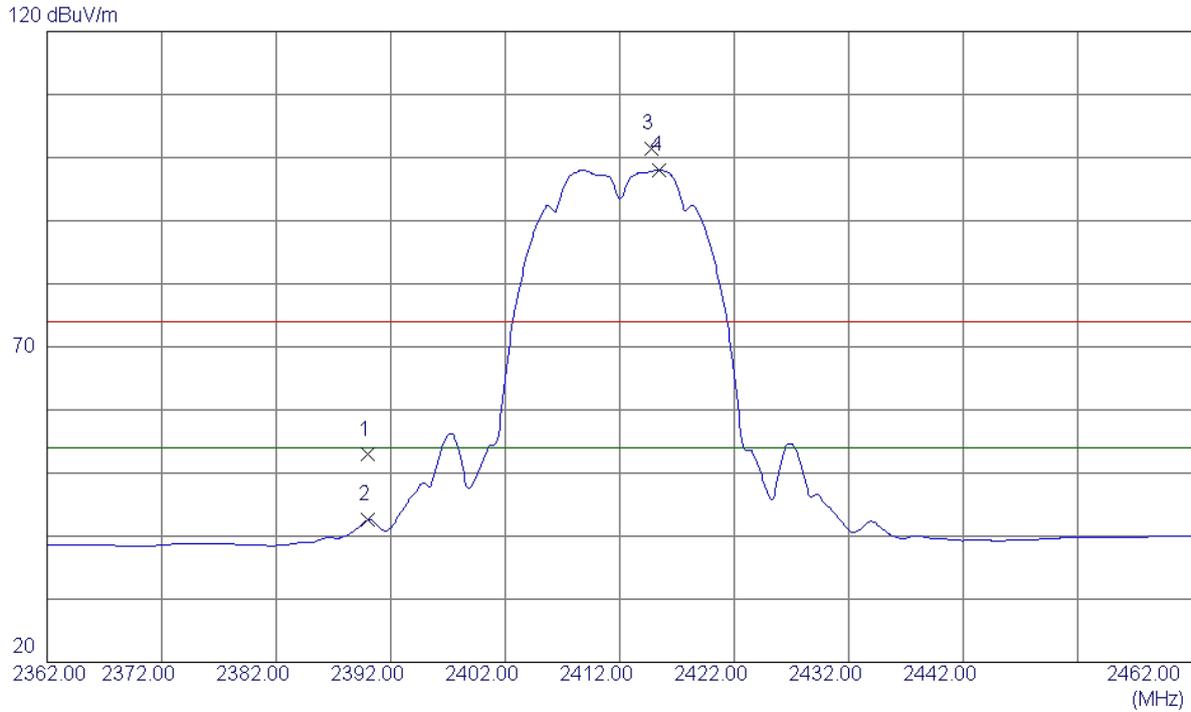


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	209.4500	40.87	-13.72	27.15	43.50	-16.35	Peak	
2	296.7500	38.96	-9.66	29.30	46.00	-16.70	Peak	
3	445.1600	47.58	-6.03	41.55	46.00	-4.45	Peak	
4	593.5700	40.57	-4.64	35.93	46.00	-10.07	Peak	
5	742.9500	43.32	-1.43	41.89	46.00	-4.11	Peak	
6	796.3000	41.10	0.04	41.14	46.00	-4.86	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

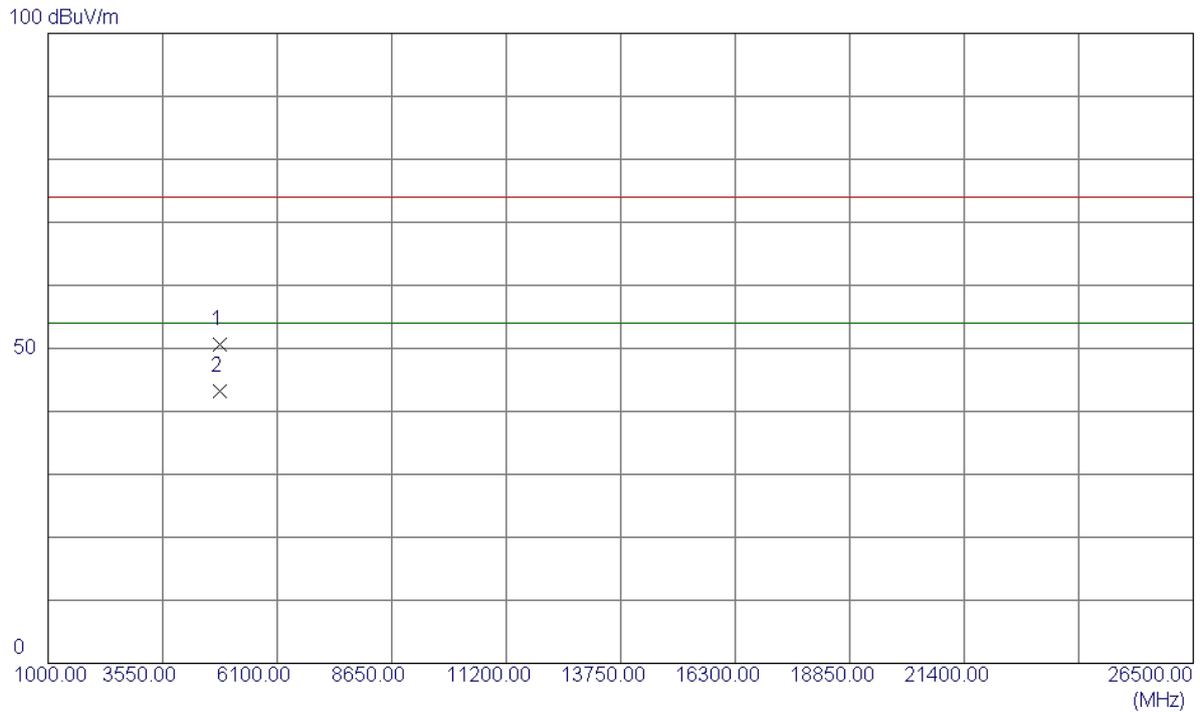
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	18.67	34.23	52.90	74.00	-21.10	Peak	
2	2390.0000	8.35	34.23	42.58	54.00	-11.42	AVG	
3	2414.8000	67.06	34.38	101.44	74.00	27.44	Peak	No Limit
4	2415.5000	63.67	34.38	98.05	74.00	24.05	Peak	No Limit

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

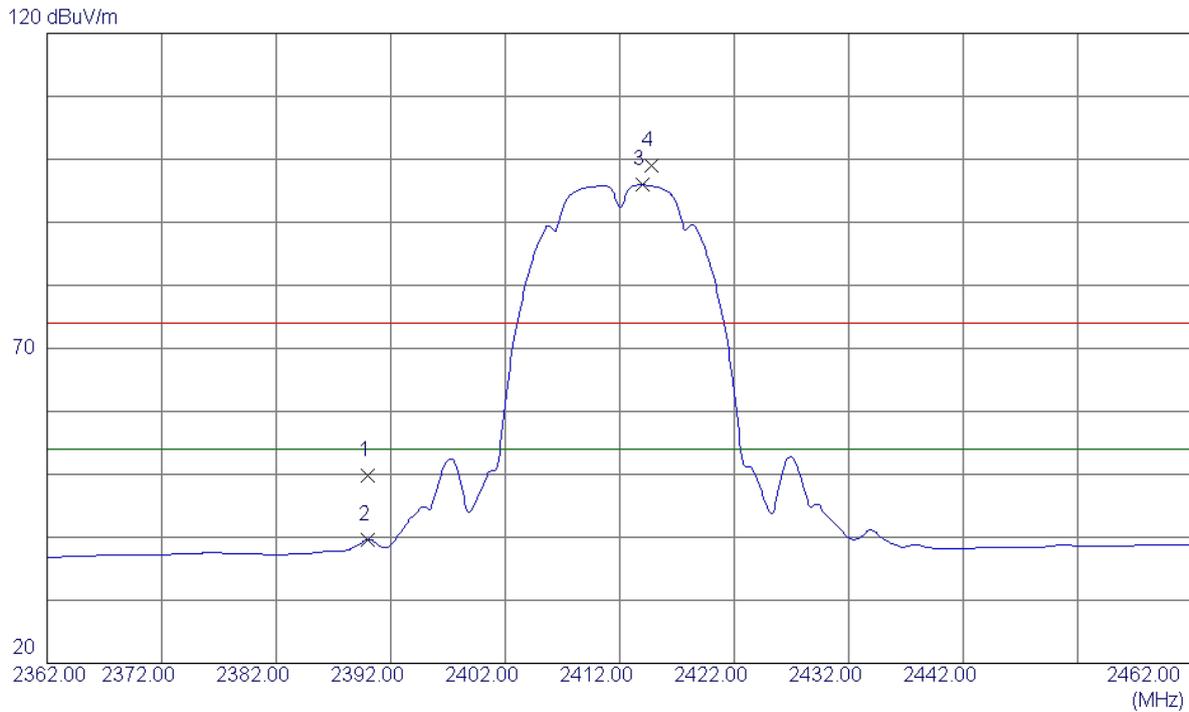
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4823.8700	43.81	6.82	50.63	74.00	-23.37	Peak	
2	4823.9800	36.38	6.82	43.20	54.00	-10.80	AVG	

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	Over dB	Detector	Comment
1	2390.0000	15.55	34.23	49.78	74.00	-24.22	Peak	
2	2390.0000	5.40	34.23	39.63	54.00	-14.37	AVG	
3	2414.0000	61.58	34.37	95.95	54.00	41.95	AVG	No Limit
4	2414.8000	64.71	34.38	99.09	74.00	25.09	Peak	No Limit

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

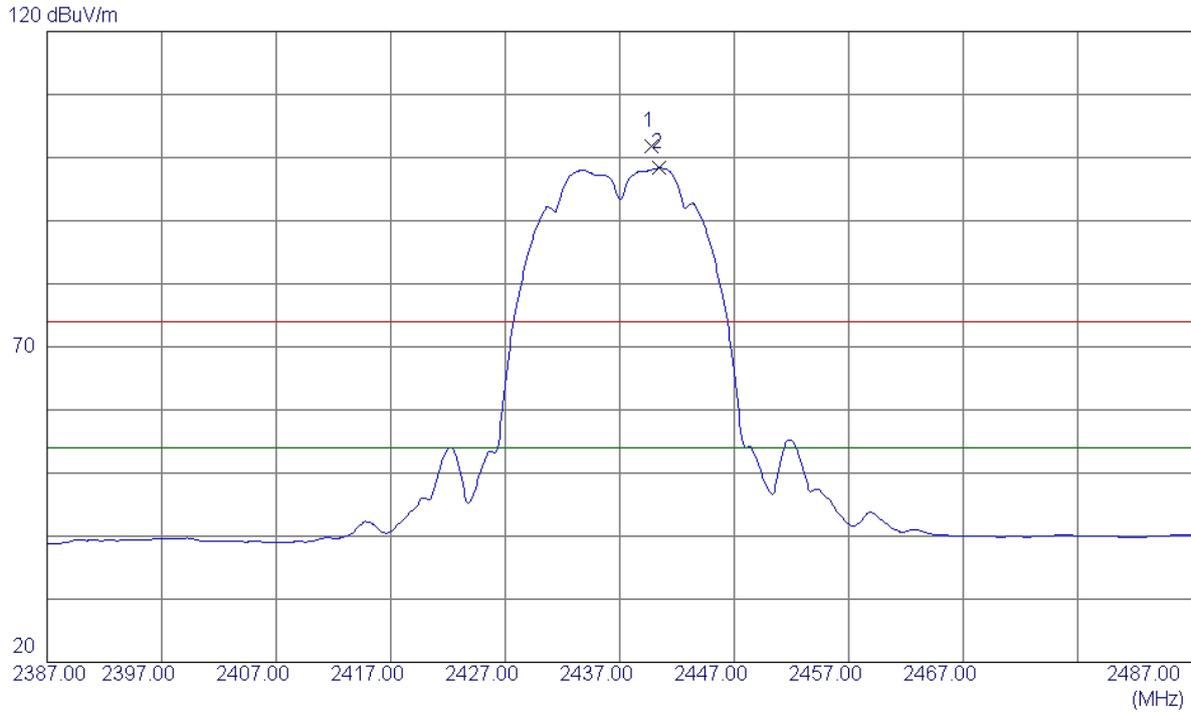
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4823.9800	37.15	6.82	43.97	54.00	-10.03	AVG	
2	4824.1600	44.57	6.82	51.39	74.00	-22.61	Peak	

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

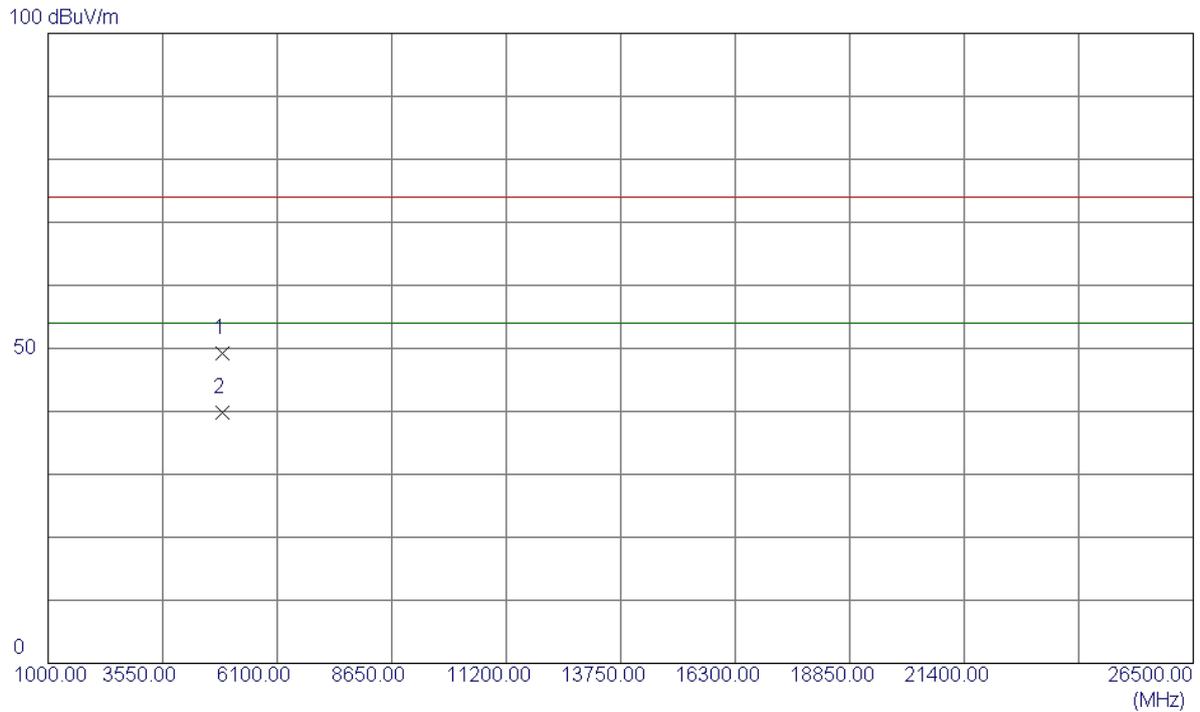
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2439.8000	67.20	34.52	101.72	74.00	27.72	Peak	No Limit
2	2440.5000	63.84	34.52	98.36	54.00	44.36	AVG	No Limit

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

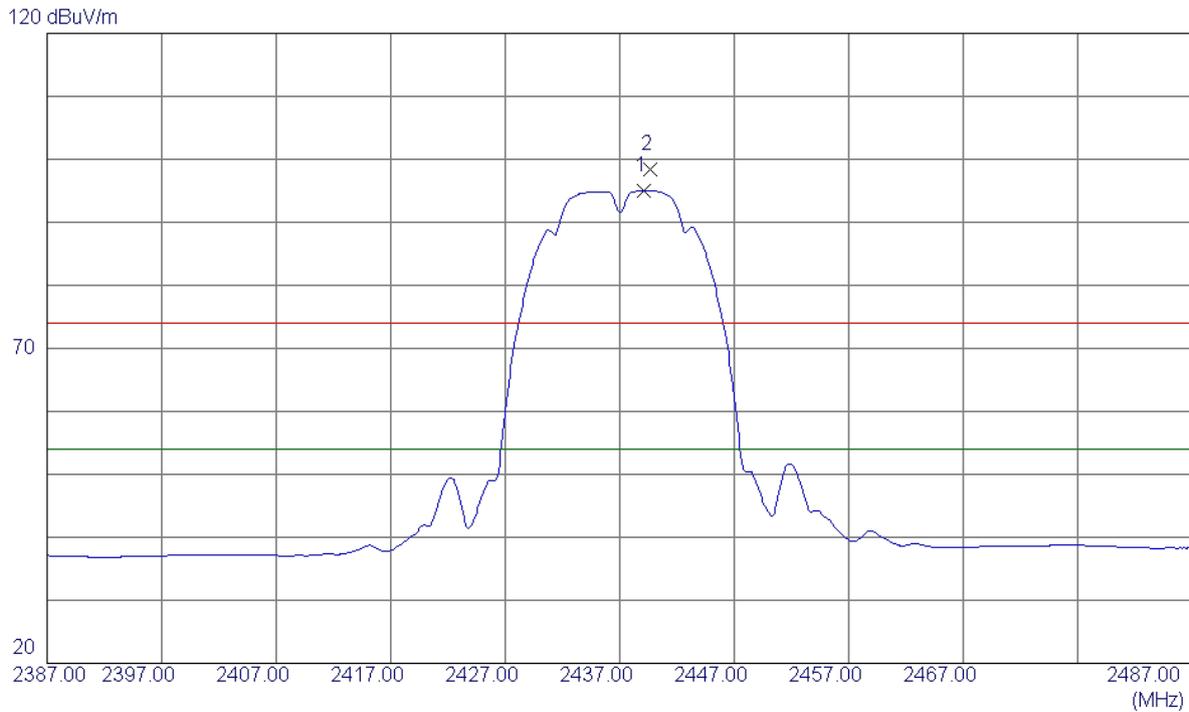
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.8000	42.20	6.97	49.17	74.00	-24.83	Peak	
2	4873.9900	32.85	6.97	39.82	54.00	-14.18	AVG	

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

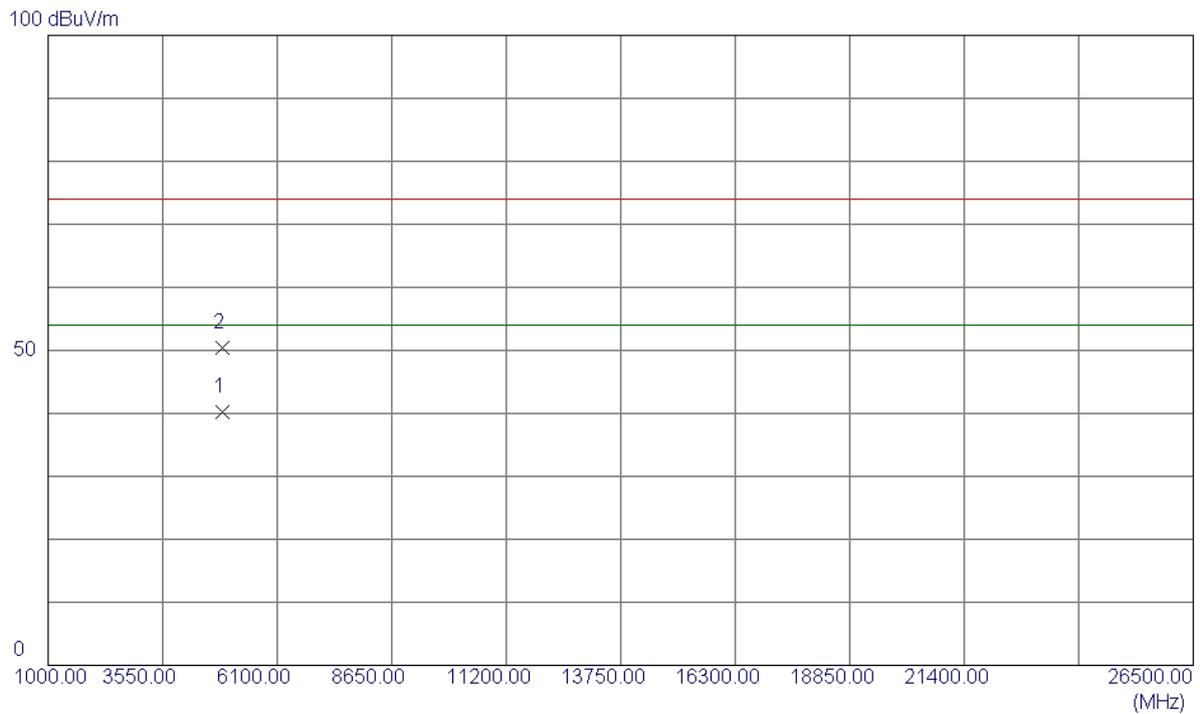
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2439.1000	60.56	34.52	95.08	54.00	41.08	AVG	No Limit
2	2439.7000	63.79	34.52	98.31	74.00	24.31	Peak	No Limit

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

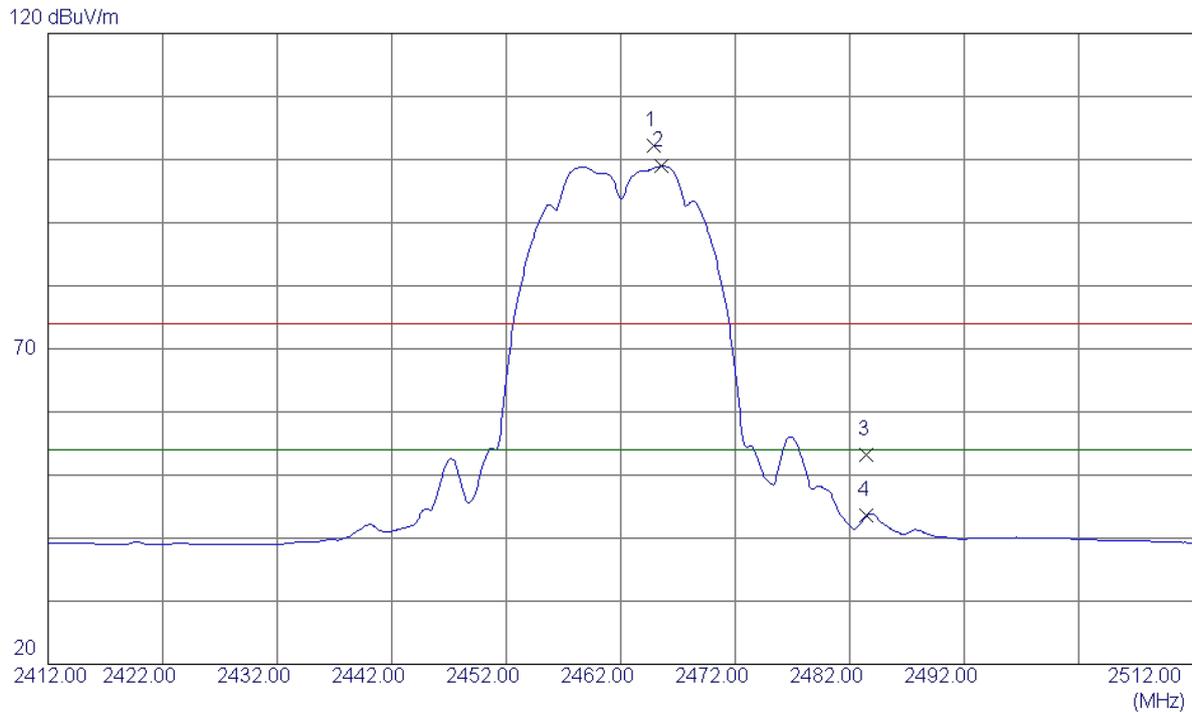
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.9800	33.20	6.97	40.17	54.00	-13.83	AVG	
2	4874.0200	43.45	6.97	50.42	74.00	-23.58	Peak	

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

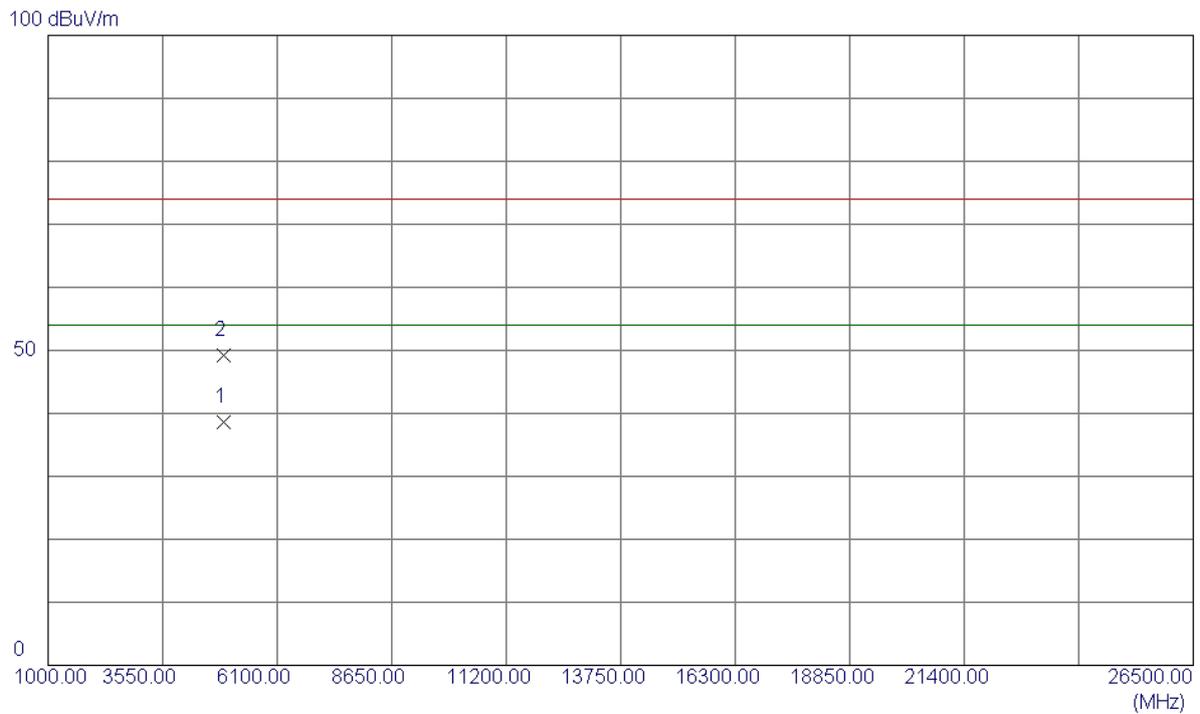
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2464.9000	67.54	34.67	102.21	74.00	28.21	Peak	No Limit
2	2465.6000	64.32	34.67	98.99	54.00	44.99	AVG	No Limit
3	2483.5000	18.45	34.77	53.22	74.00	-20.78	Peak	
4	2483.5000	8.86	34.77	43.63	54.00	-10.37	AVG	

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

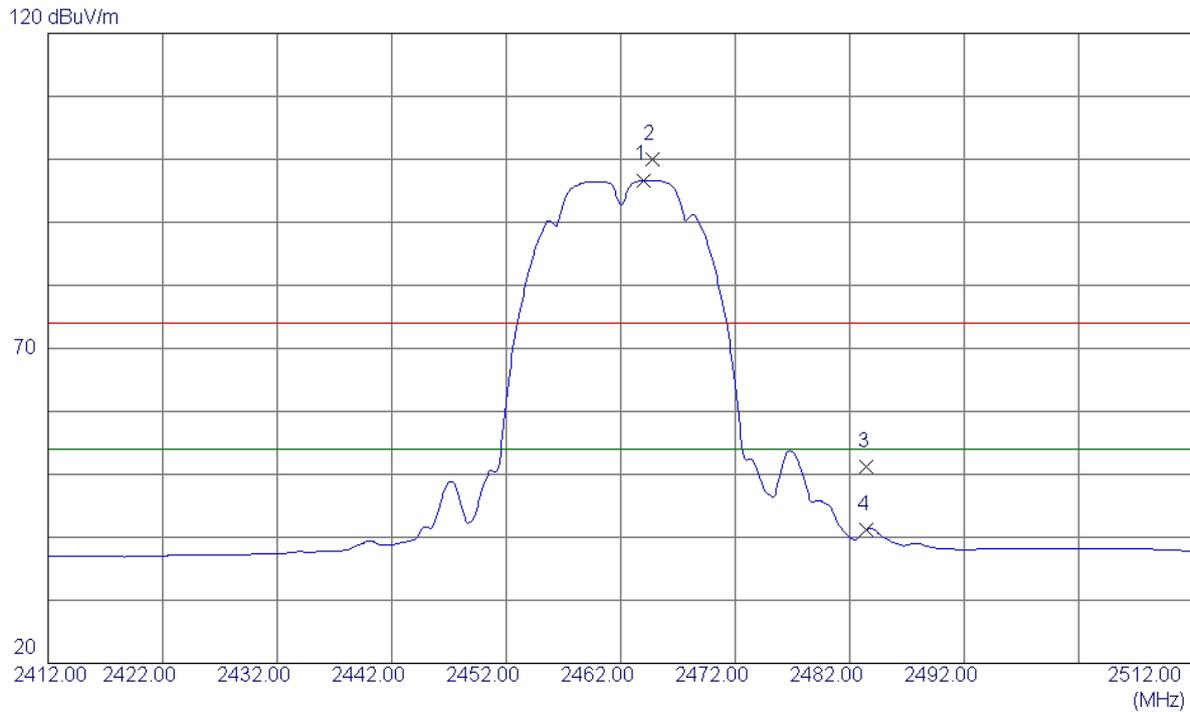
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4923.9900	31.46	7.12	38.58	54.00	-15.42	AVG	
2	4924.0700	42.03	7.12	49.15	74.00	-24.85	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	Over dB	Detector	Comment
1	2464.0000	62.04	34.66	96.70	54.00	42.70	AVG	No Limit
2	2464.8000	65.39	34.67	100.06	74.00	26.06	Peak	No Limit
3	2483.5000	16.41	34.77	51.18	74.00	-22.82	Peak	
4	2483.5000	6.47	34.77	41.24	54.00	-12.76	AVG	

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

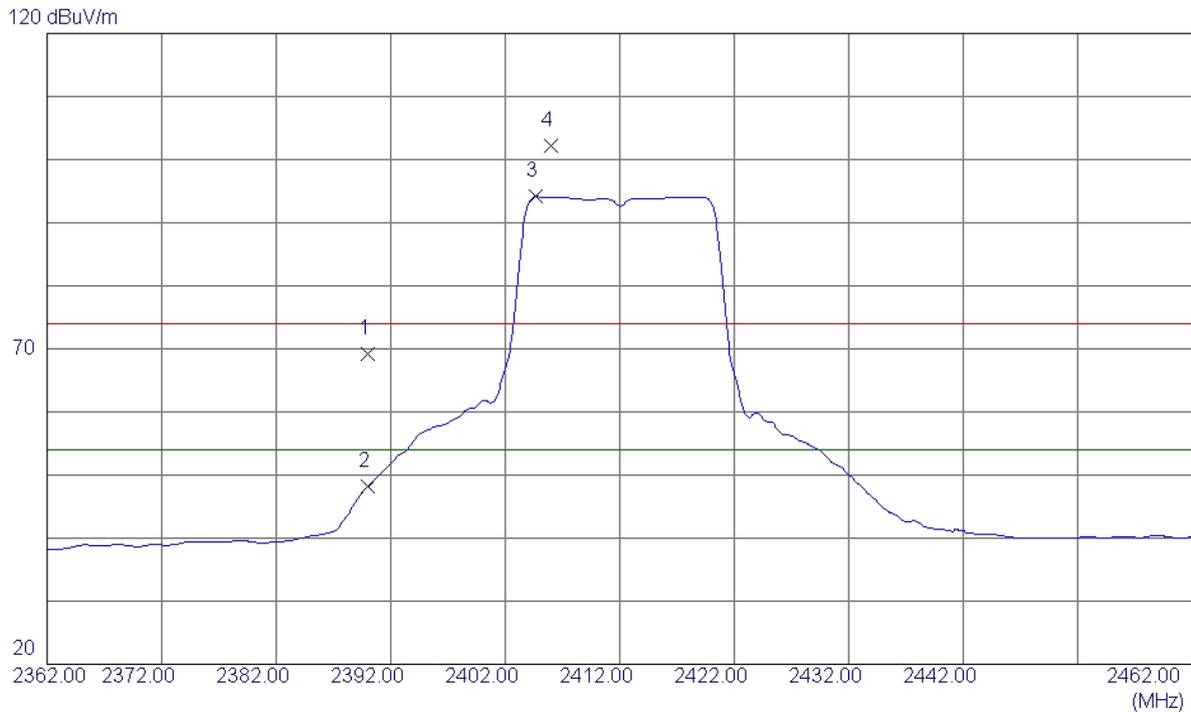
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4923.7700	41.74	7.12	48.86	74.00	-25.14	Peak	
2	4923.9900	32.24	7.12	39.36	54.00	-14.64	AVG	

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

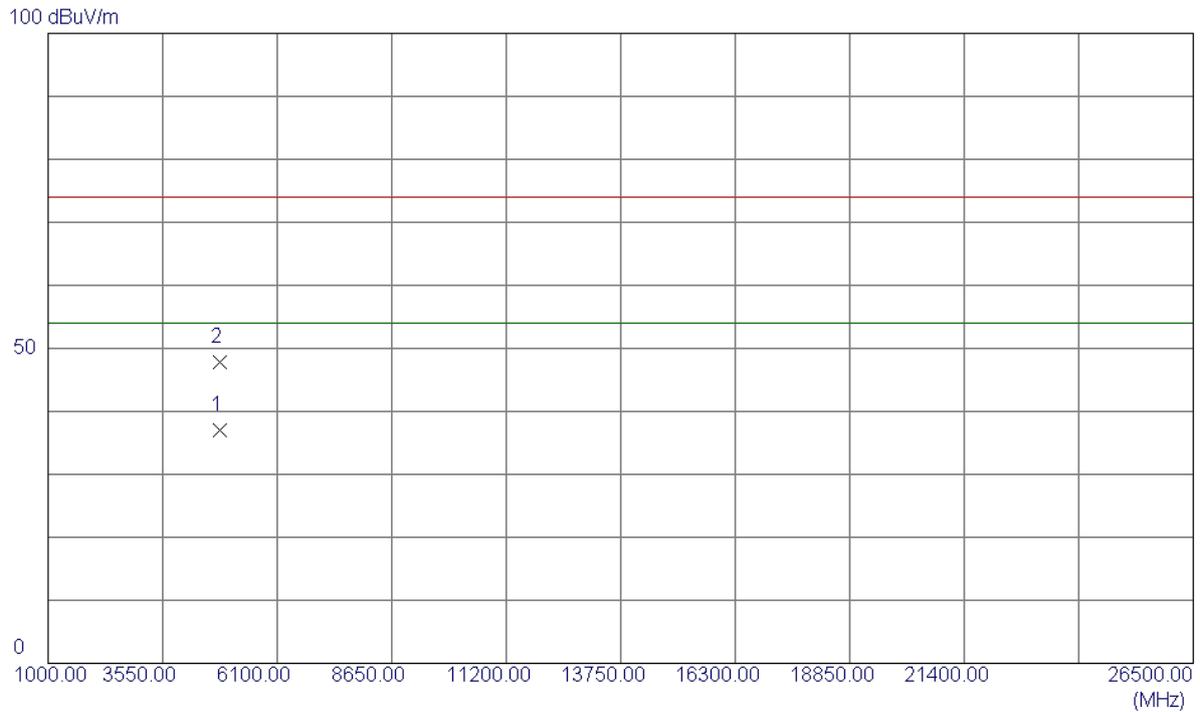
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	35.03	34.23	69.26	74.00	-4.74	Peak	
2	2390.0000	13.90	34.23	48.13	54.00	-5.87	AVG	
3	2404.7000	59.80	34.32	94.12	54.00	40.12	AVG	No Limit
4	2406.0000	67.79	34.32	102.11	74.00	28.11	Peak	No Limit

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

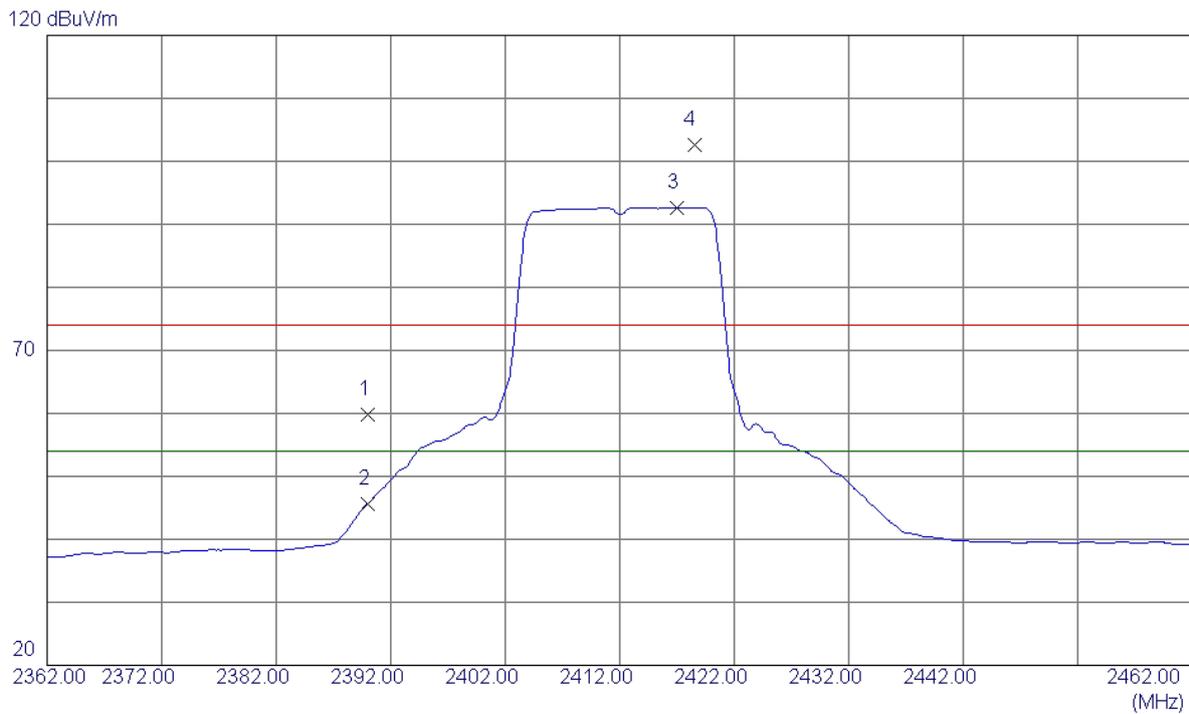
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4822.0050	30.20	6.81	37.01	54.00	-16.99	AVG	
2	4825.1400	41.05	6.82	47.87	74.00	-26.13	Peak	

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

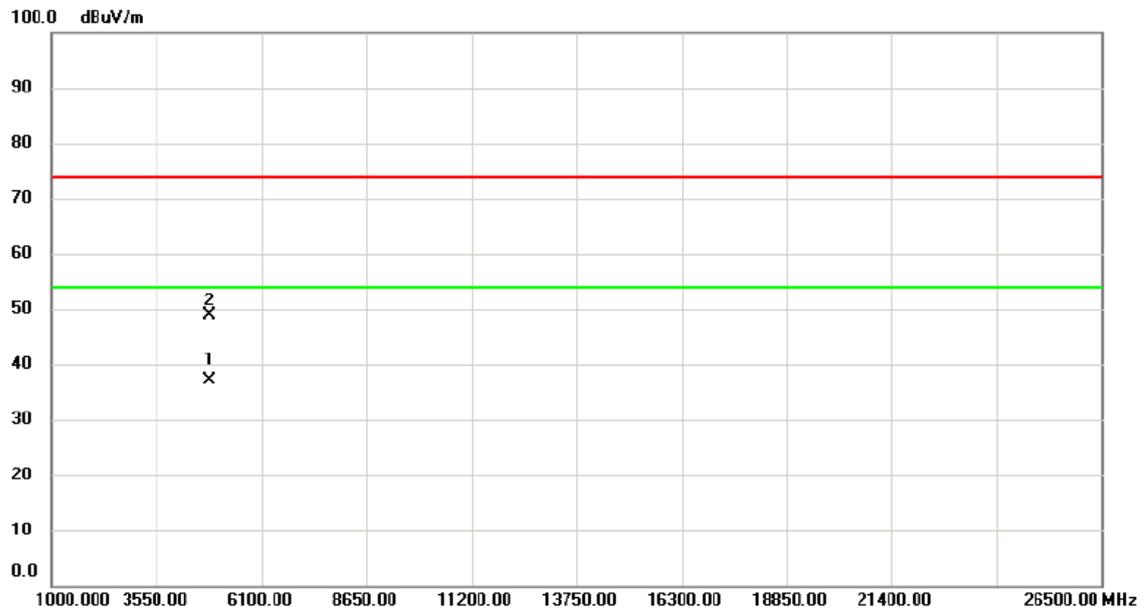
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	25.64	34.23	59.87	74.00	-14.13	Peak	
2	2390.0000	11.44	34.23	45.67	54.00	-8.33	AVG	
3	2417.0000	58.25	34.39	92.64	54.00	38.64	AVG	No Limit
4	2418.5000	68.24	34.40	102.64	74.00	28.64	Peak	No Limit

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

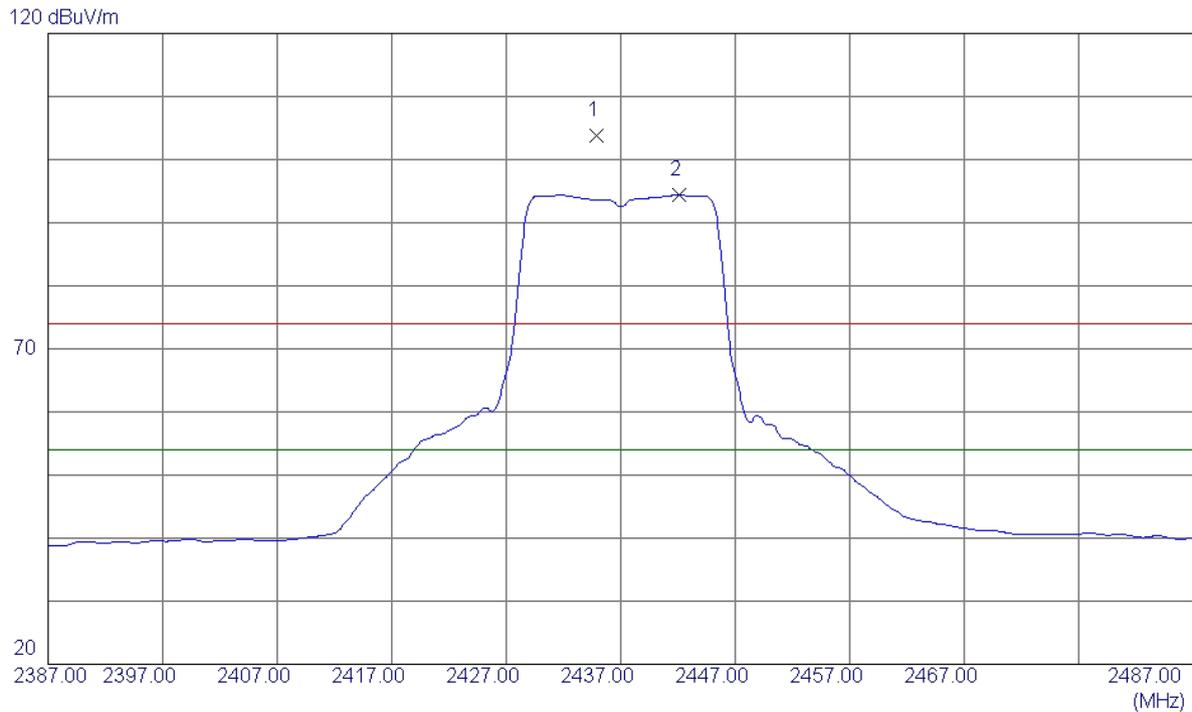
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4822.575	30.22	6.81	37.03	54.00	-16.97	AVG	
2		4824.855	41.96	6.82	48.78	74.00	-25.22	peak	

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

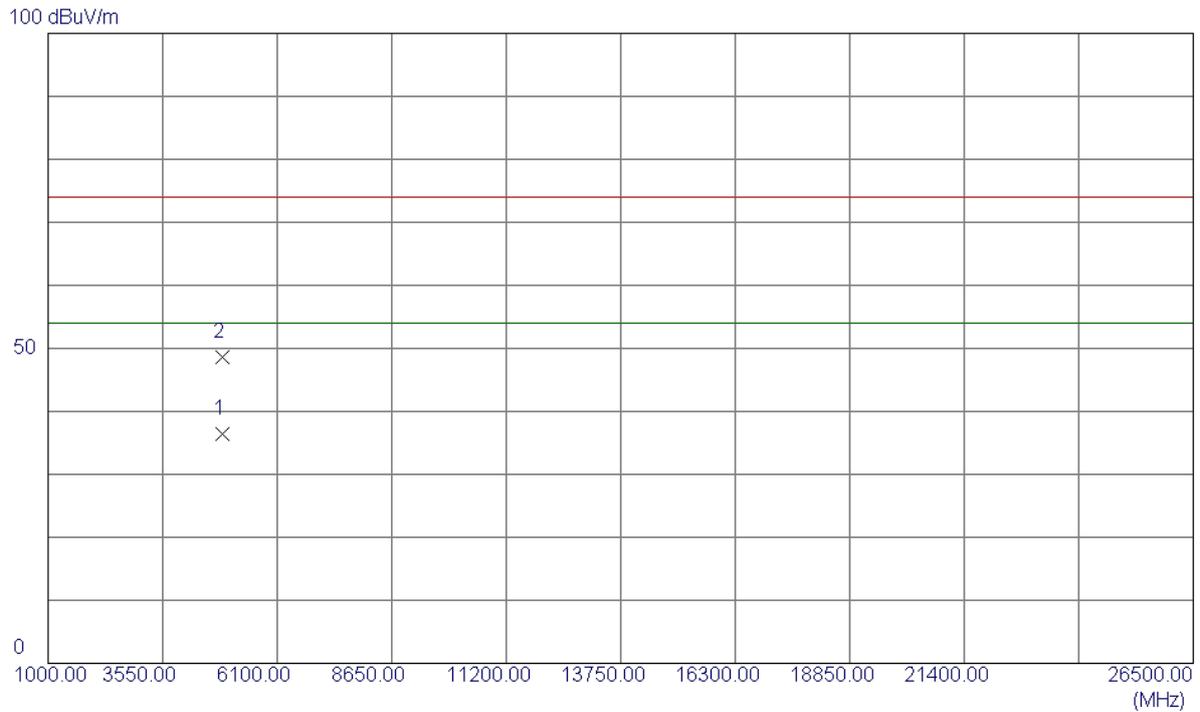
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2434.9000	69.39	34.49	103.88	74.00	29.88	Peak	No Limit
2	2442.1000	59.81	34.53	94.34	54.00	40.34	AVG	No Limit

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

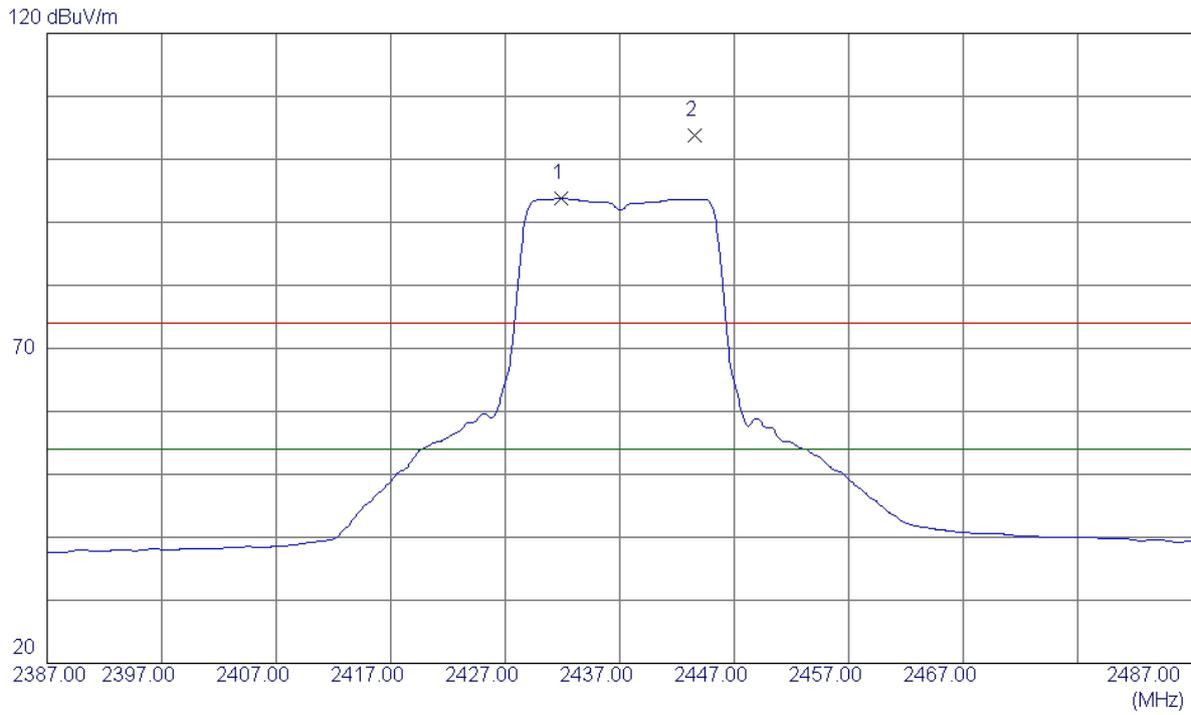
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4872.5750	29.48	6.97	36.45	54.00	-17.55	AVG	
2	4875.9950	41.55	6.98	48.53	74.00	-25.47	Peak	

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

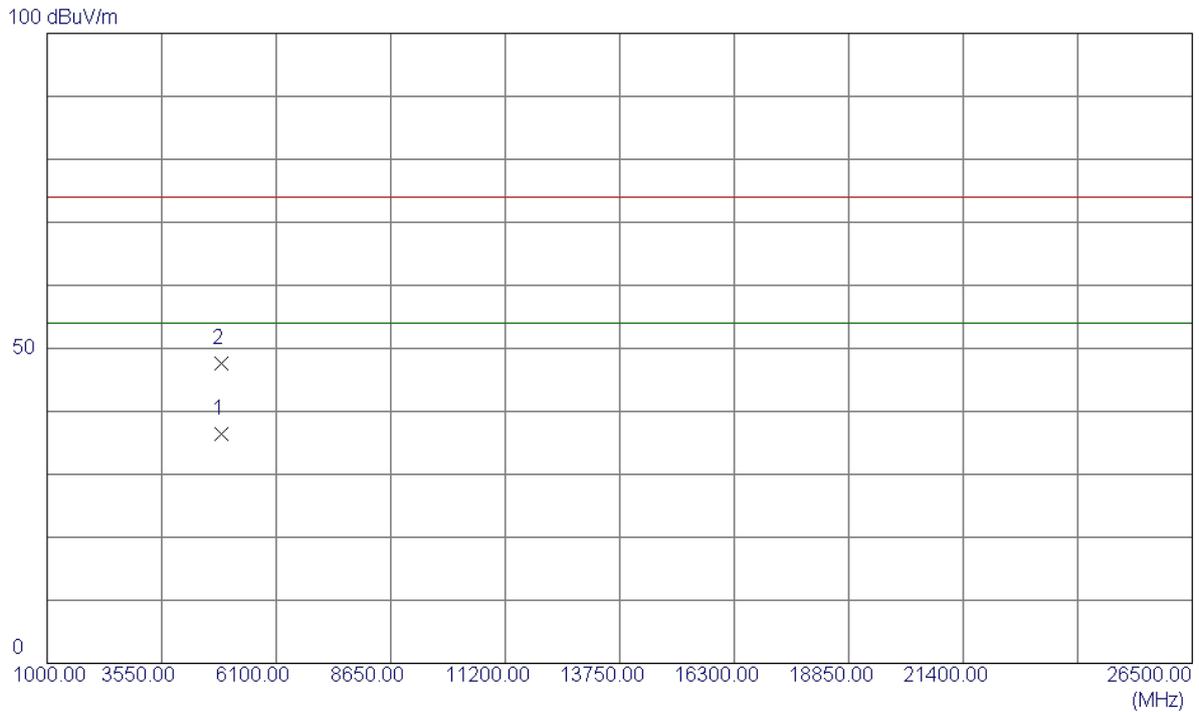
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2431.9000	59.30	34.48	93.78	54.00	39.78	AVG	No Limit
2	2443.6000	69.18	34.54	103.72	74.00	29.72	Peak	No Limit

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

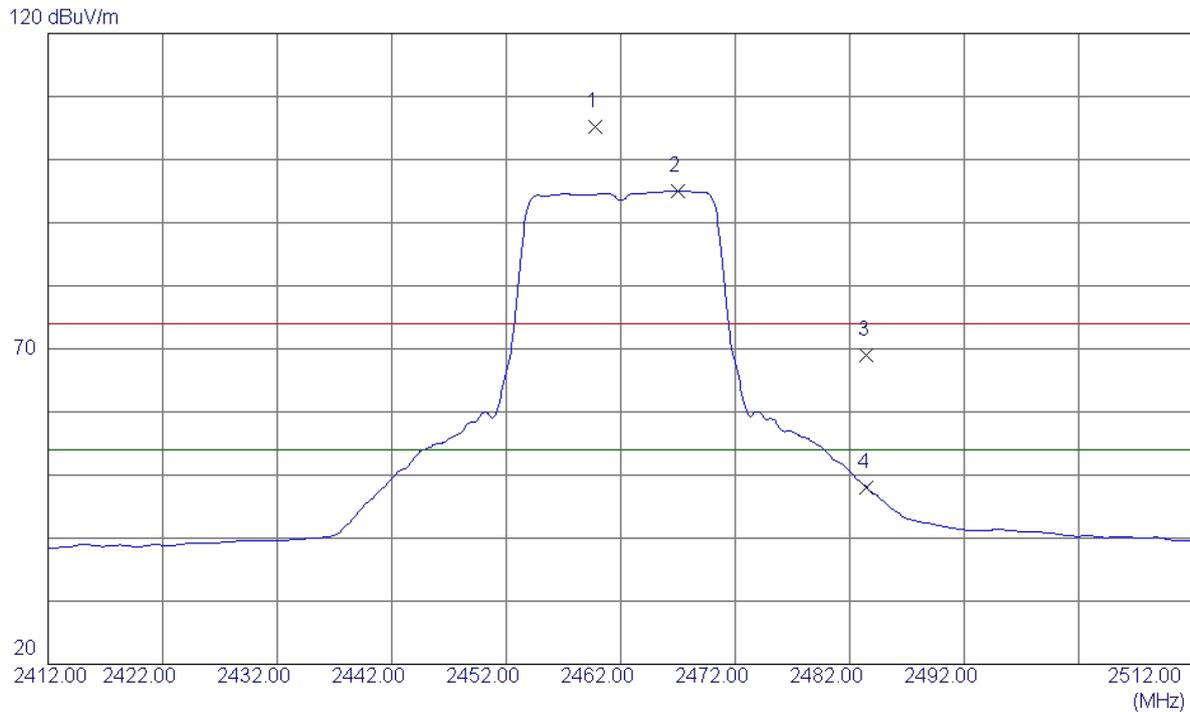
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4872.5750	29.49	6.97	36.46	54.00	-17.54	AVG	
2	4874.5700	40.72	6.97	47.69	74.00	-26.31	Peak	

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

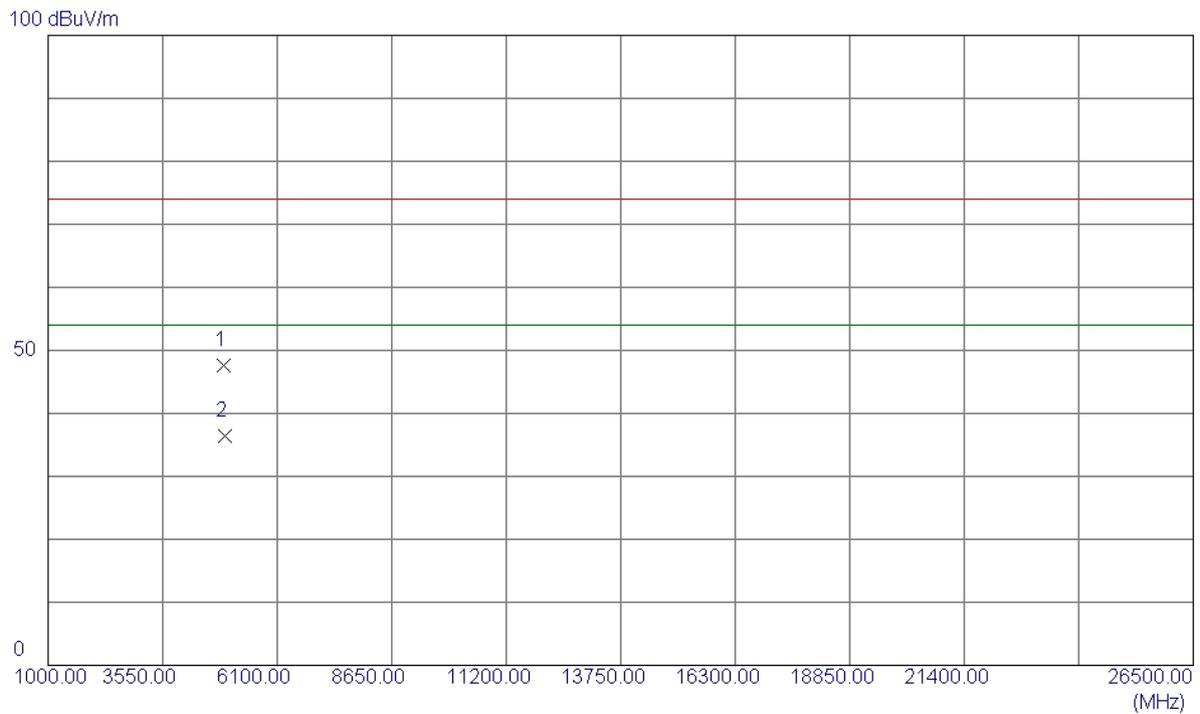
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2459.8000	70.53	34.64	105.17	74.00	31.17	Peak	No Limit
2	2467.0000	60.38	34.68	95.06	54.00	41.06	AVG	No Limit
3	2483.5000	34.29	34.77	69.06	74.00	-4.94	Peak	
4	2483.5000	13.20	34.77	47.97	54.00	-6.03	AVG	

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

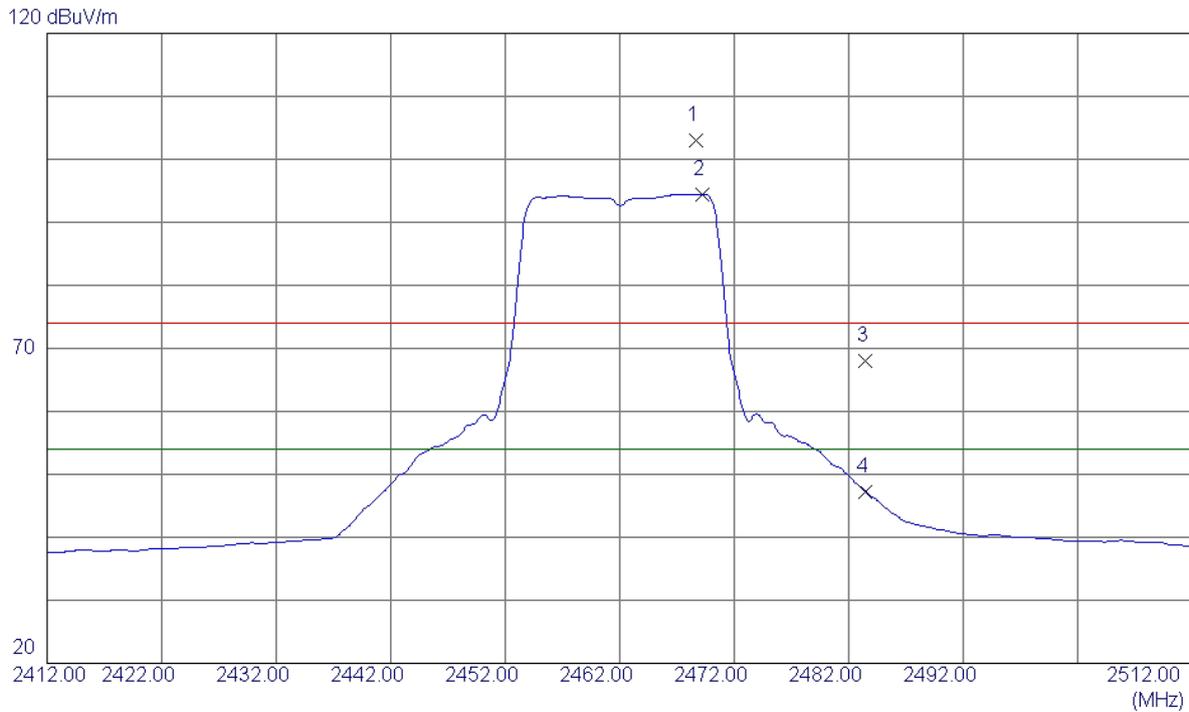
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4923.7110	40.44	7.12	47.56	74.00	-26.44	Peak	
2	4924.2890	29.19	7.12	36.31	54.00	-17.69	AVG	

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

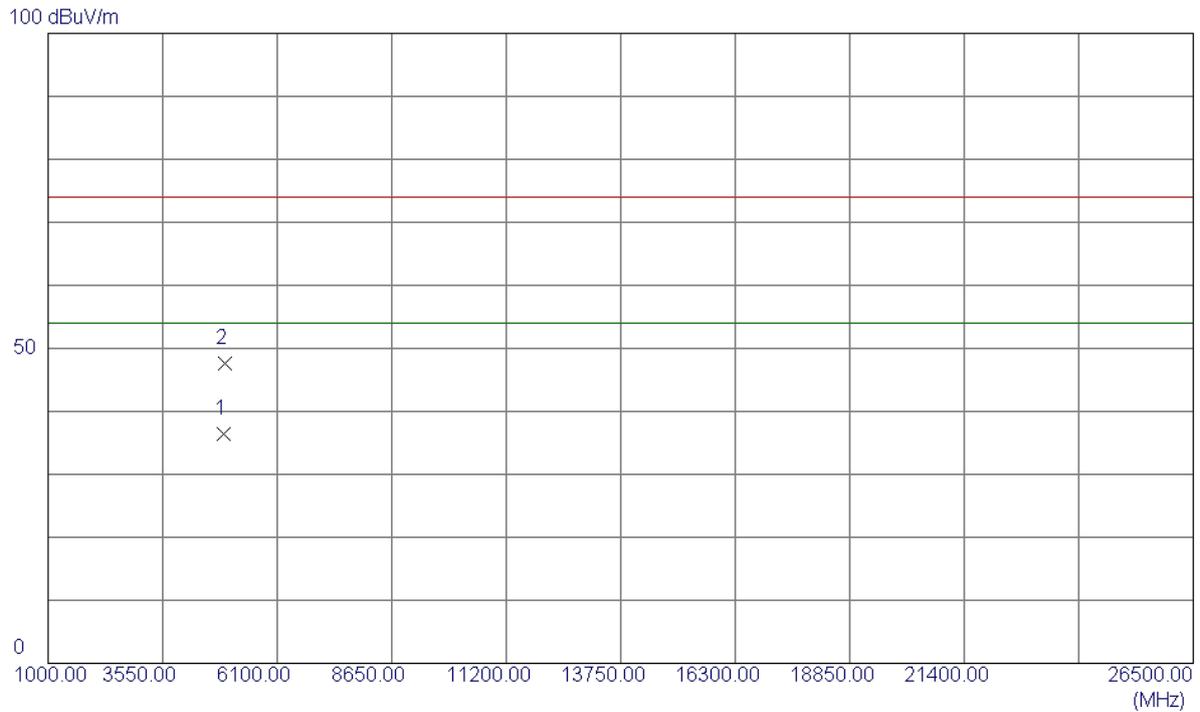
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2468.7000	68.39	34.69	103.08	74.00	29.08	Peak	No Limit
2	2469.2000	59.79	34.69	94.48	54.00	40.48	AVG	No Limit
3	2483.5000	33.30	34.77	68.07	74.00	-5.93	Peak	
4	2483.5000	12.47	34.77	47.24	54.00	-6.76	AVG	

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

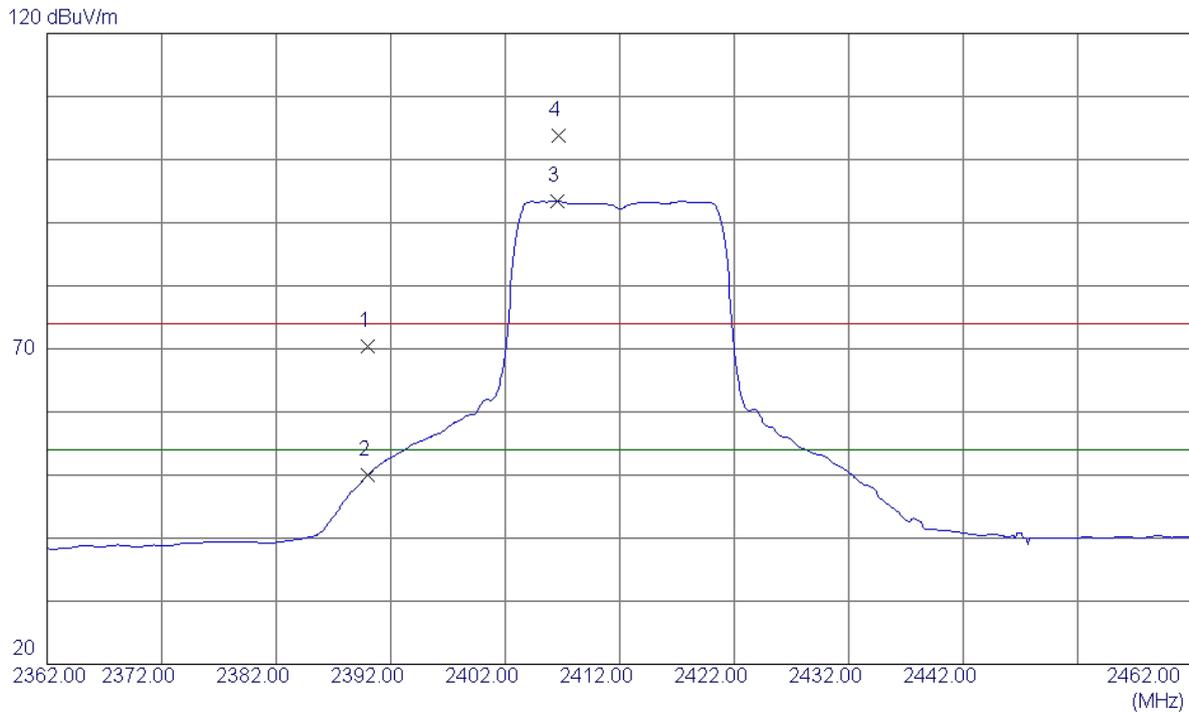
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4923.6000	29.19	7.12	36.31	54.00	-17.69	AVG	
2	4924.3000	40.55	7.12	47.67	74.00	-26.33	Peak	

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

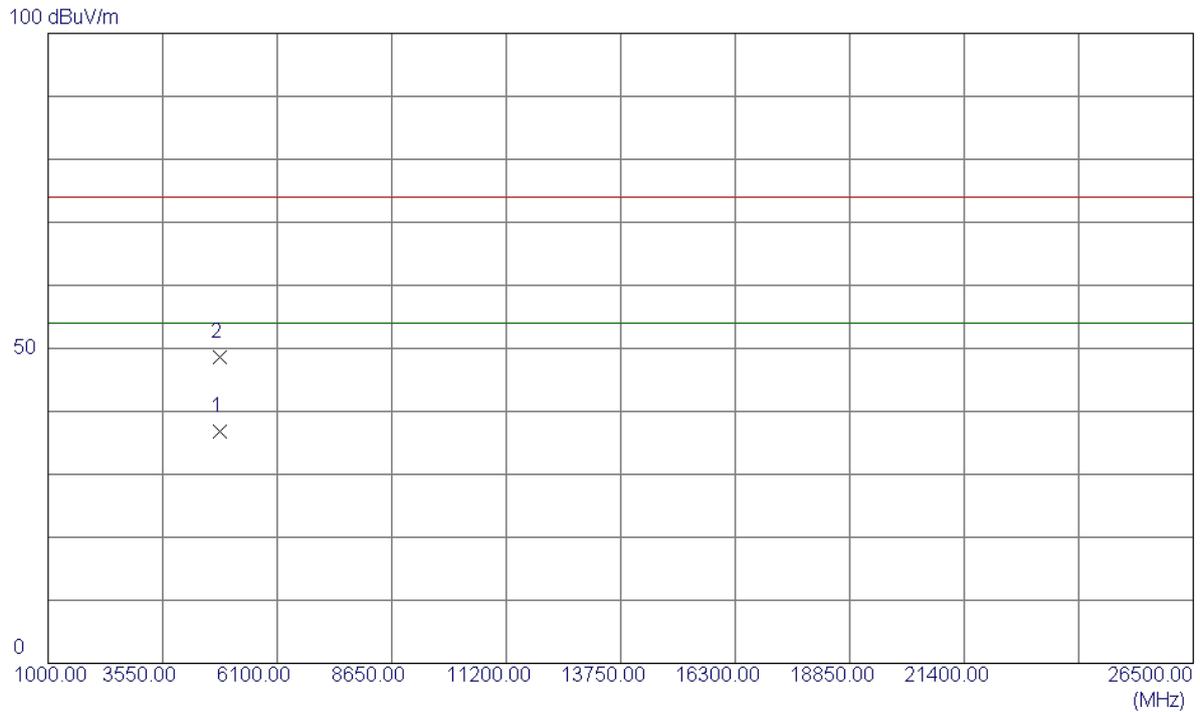
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	36.21	34.23	70.44	74.00	-3.56	Peak	
2	2390.0000	15.74	34.23	49.97	54.00	-4.03	AVG	
3	2406.6000	59.10	34.33	93.43	54.00	39.43	AVG	No Limit
4	2406.7000	69.52	34.33	103.85	74.00	29.85	Peak	No Limit

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

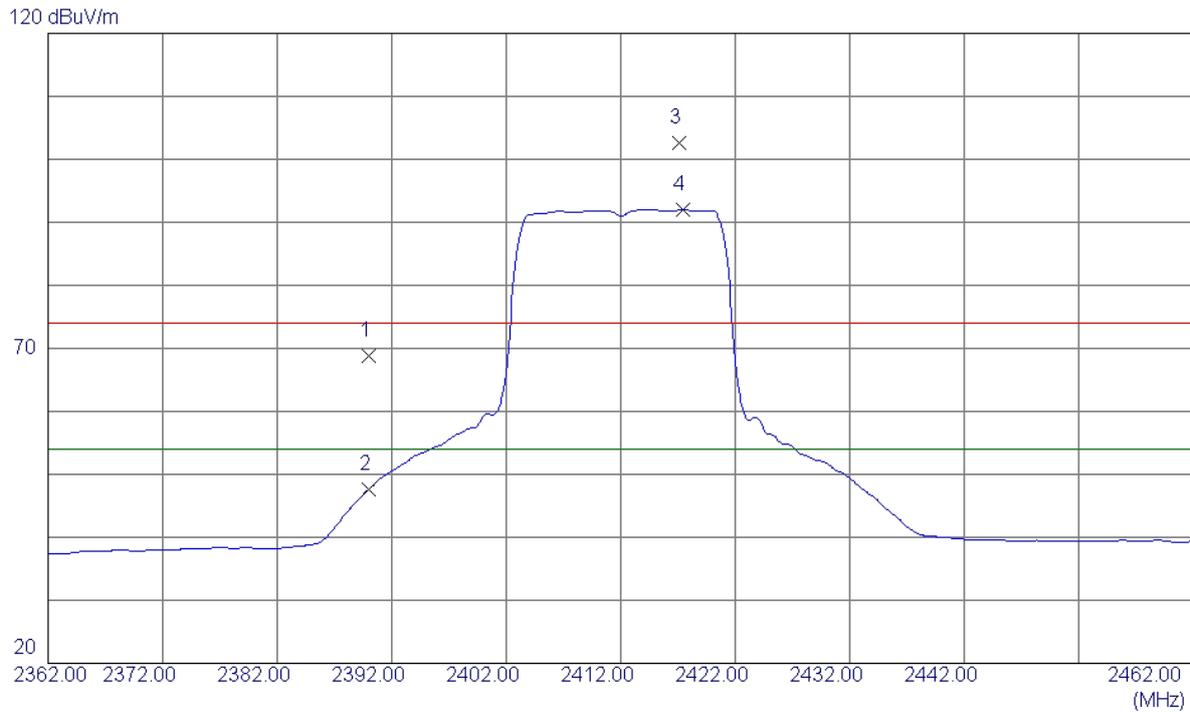
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4823.5860	30.07	6.82	36.89	54.00	-17.11	AVG	
2	4827.7260	41.72	6.83	48.55	74.00	-25.45	Peak	

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	Over dB	Detector	Comment
1	2390.0000	34.60	34.23	68.83	74.00	-5.17	Peak	
2	2390.0000	13.42	34.23	47.65	54.00	-6.35	AVG	
3	2417.1000	68.13	34.39	102.52	74.00	28.52	Peak	No Limit
4	2417.4000	57.66	34.39	92.05	54.00	38.05	AVG	No Limit

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

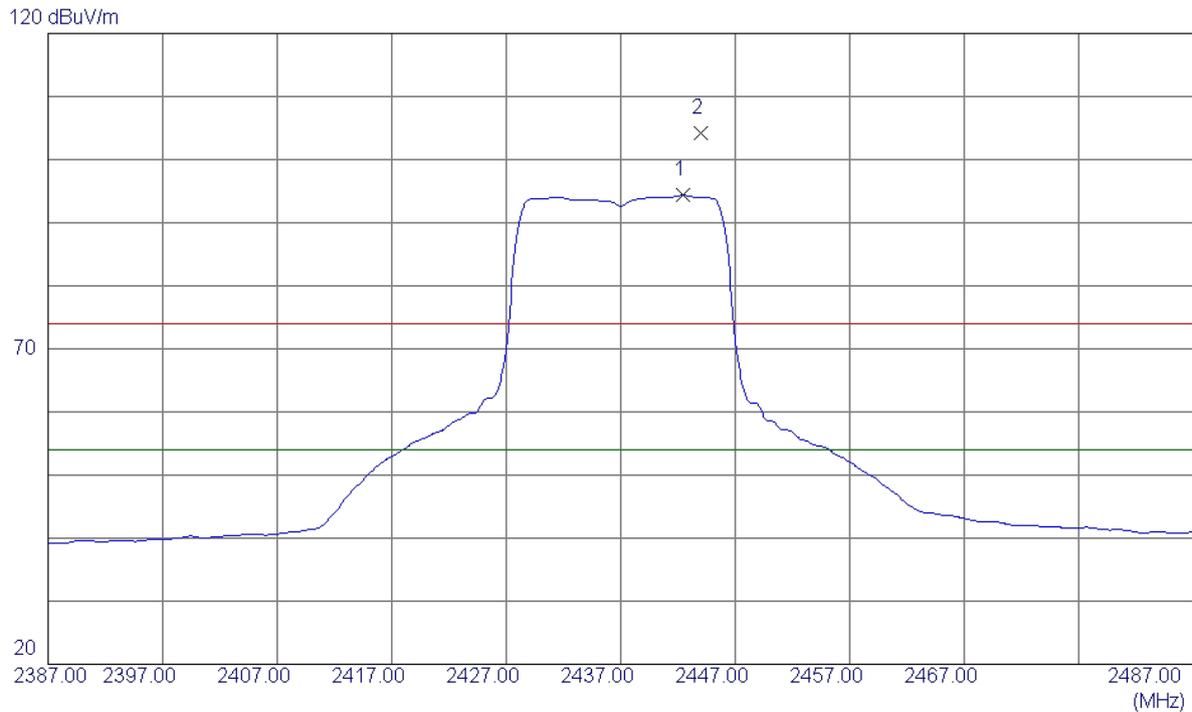
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4823.5860	30.06	6.82	36.88	54.00	-17.12	AVG	
2	4825.2420	42.55	6.82	49.37	74.00	-24.63	Peak	

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

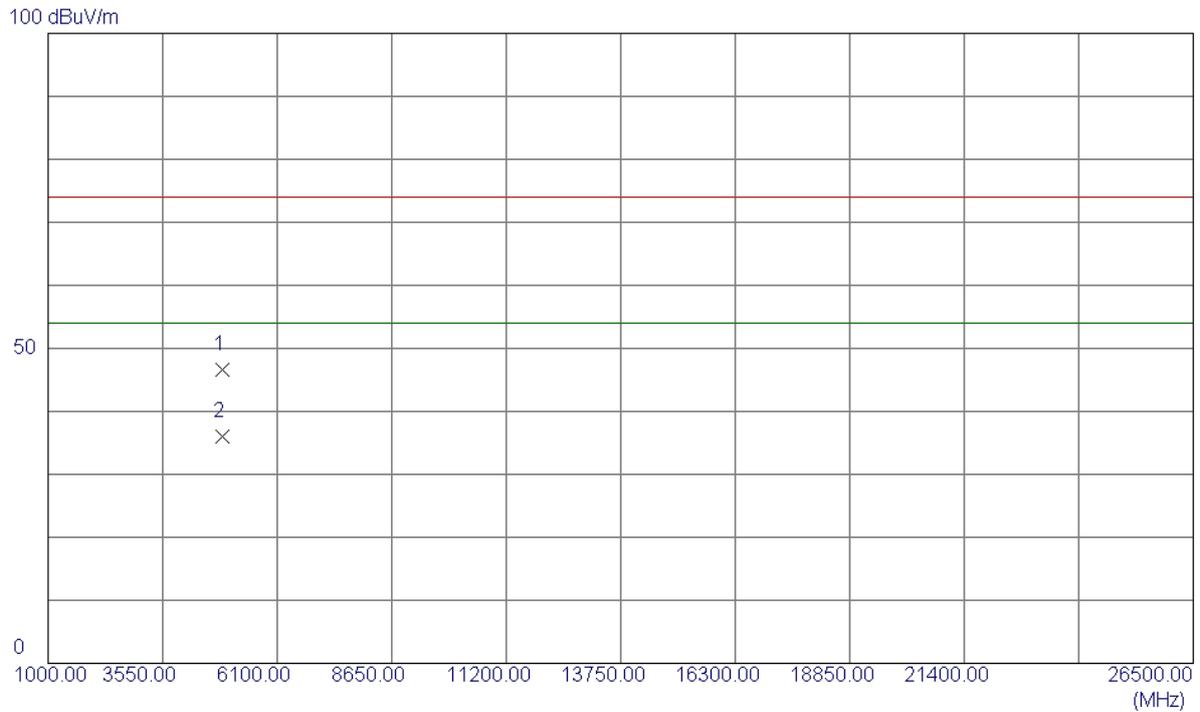
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2442.4000	59.84	34.54	94.38	54.00	40.38	AVG	No Limit
2	2444.0000	69.64	34.55	104.19	74.00	30.19	Peak	No Limit

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

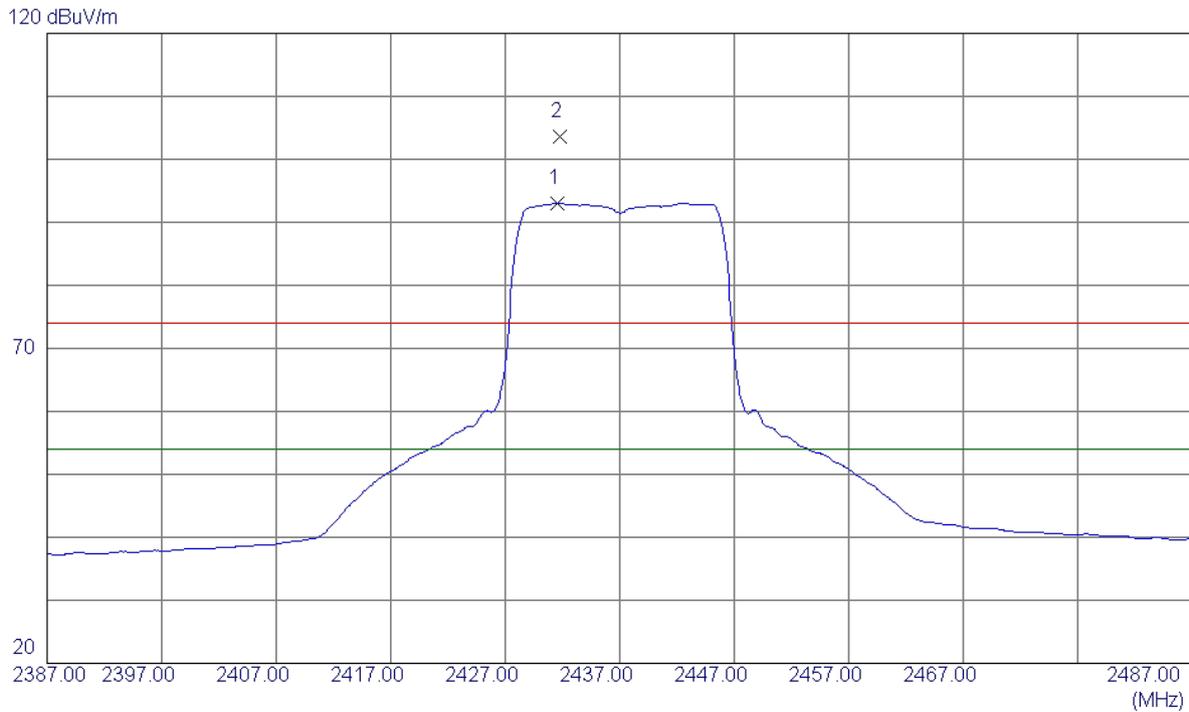
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4871.1020	39.64	6.96	46.60	74.00	-27.40	Peak	
2	4872.3440	29.12	6.97	36.09	54.00	-17.91	AVG	

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

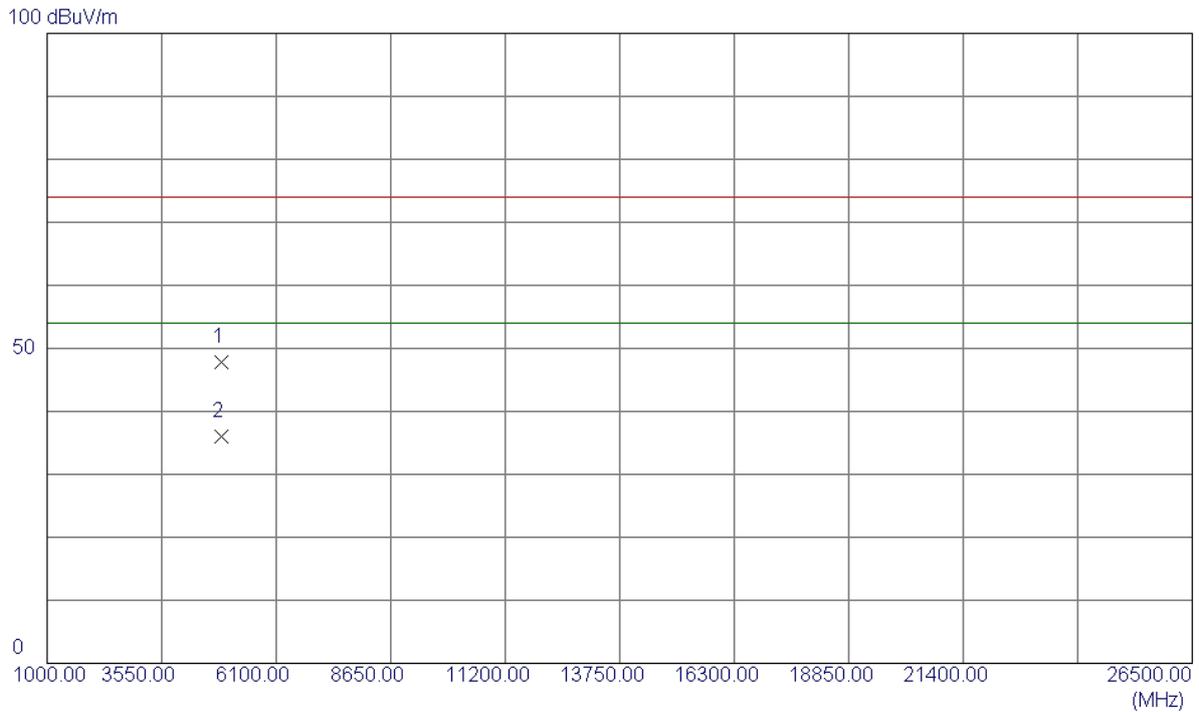
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2431.6000	58.61	34.47	93.08	54.00	39.08	AVG	No Limit
2	2431.8000	69.13	34.47	103.60	74.00	29.60	Peak	No Limit

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

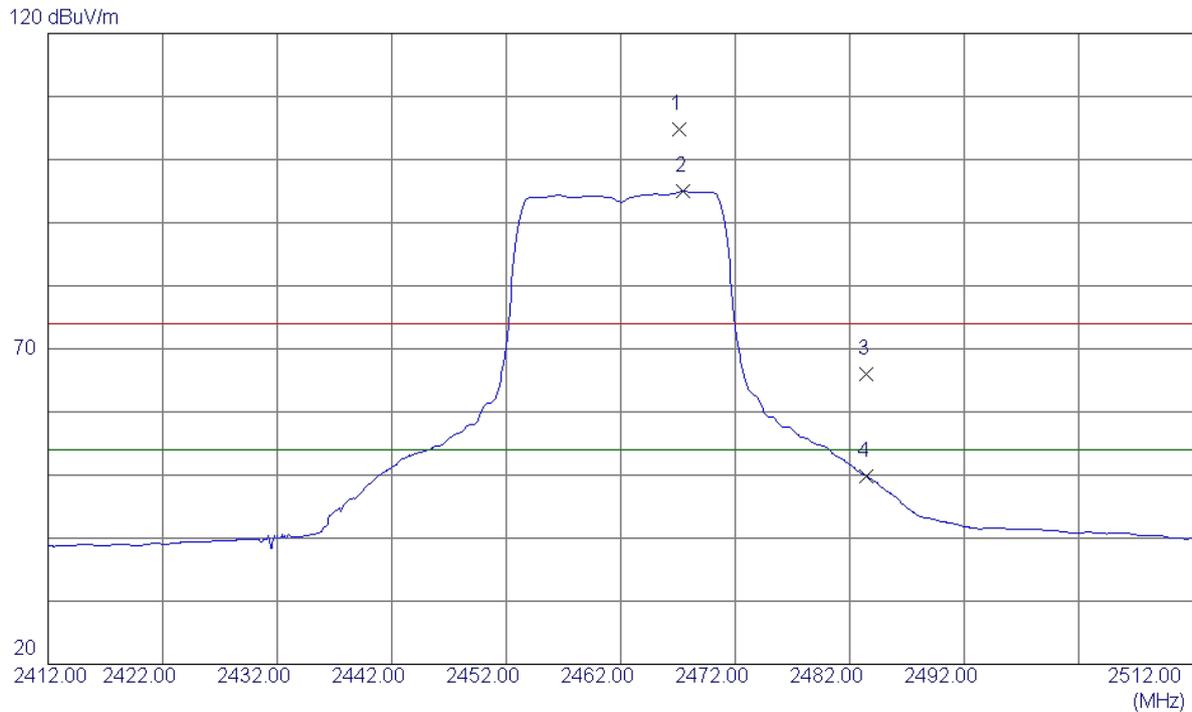
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.1720	40.85	6.97	47.82	74.00	-26.18	Peak	
2	4874.8280	28.94	6.97	35.91	54.00	-18.09	AVG	

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

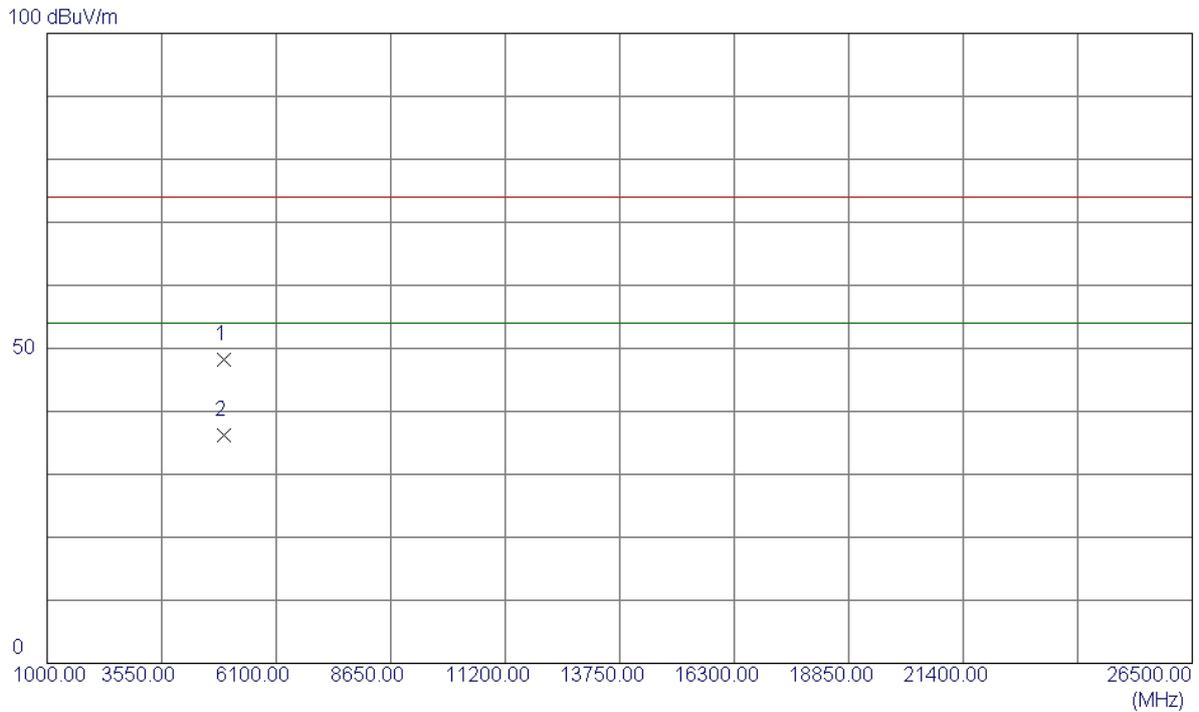
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2467.1000	70.18	34.68	104.86	74.00	30.86	Peak	No Limit
2	2467.5000	60.31	34.68	94.99	54.00	40.99	AVG	No Limit
3	2483.5000	31.18	34.77	65.95	74.00	-8.05	Peak	
4	2483.5000	14.94	34.77	49.71	54.00	-4.29	AVG	

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

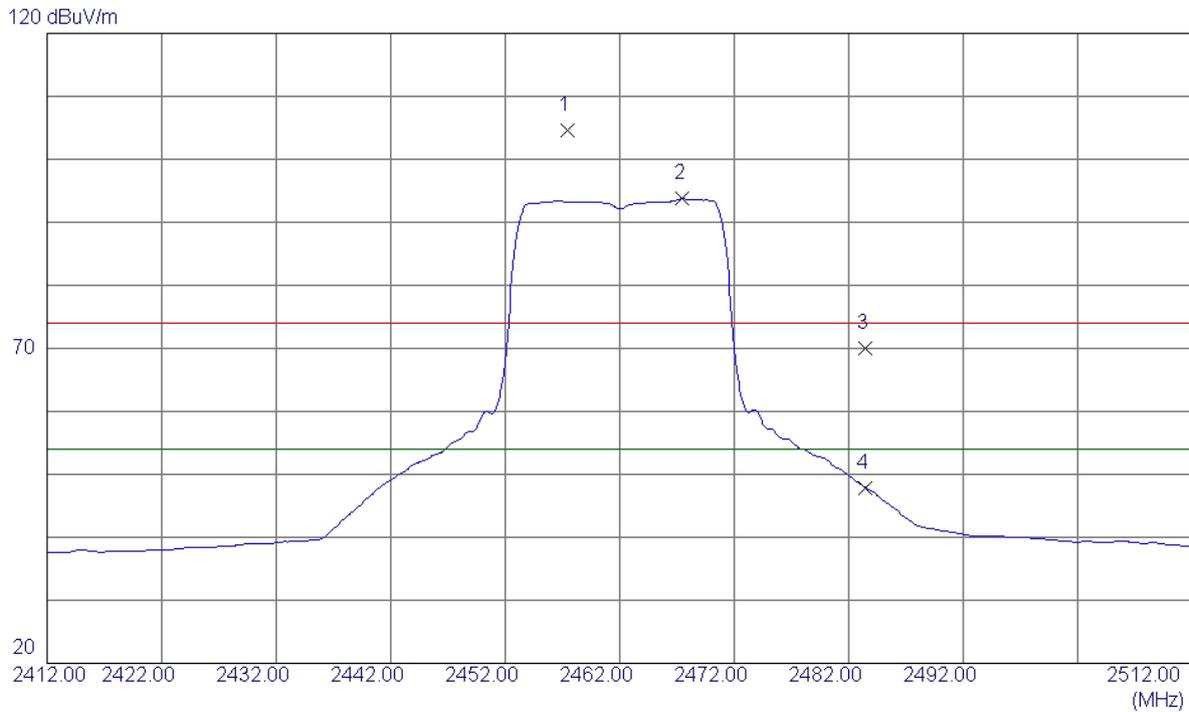
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4926.3760	41.07	7.13	48.20	74.00	-25.80	Peak	
2	4927.1680	29.12	7.13	36.25	54.00	-17.75	AVG	

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

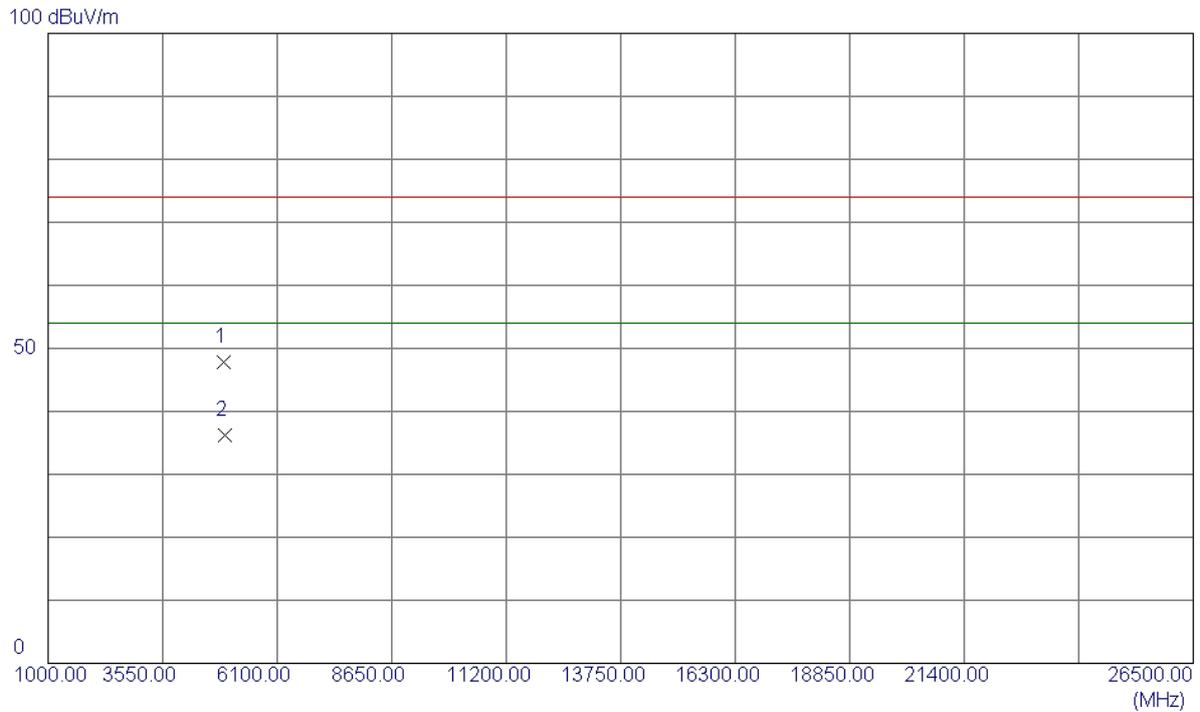
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2457.4000	70.02	34.62	104.64	74.00	30.64	Peak	No Limit
2	2467.5000	59.07	34.68	93.75	54.00	39.75	AVG	No Limit
3	2483.5000	35.26	34.77	70.03	74.00	-3.97	Peak	
4	2483.5000	13.07	34.77	47.84	54.00	-6.16	AVG	

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

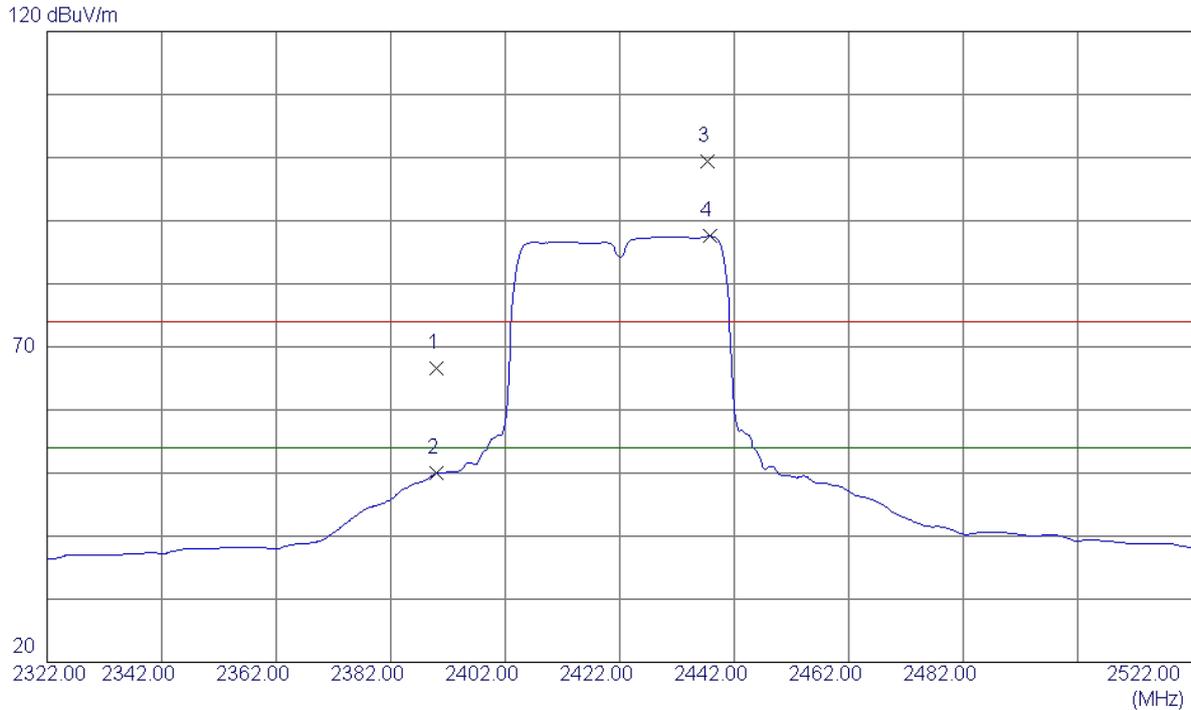
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4920.0400	40.77	7.11	47.88	74.00	-26.12	Peak	
2	4929.5440	29.13	7.14	36.27	54.00	-17.73	AVG	

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

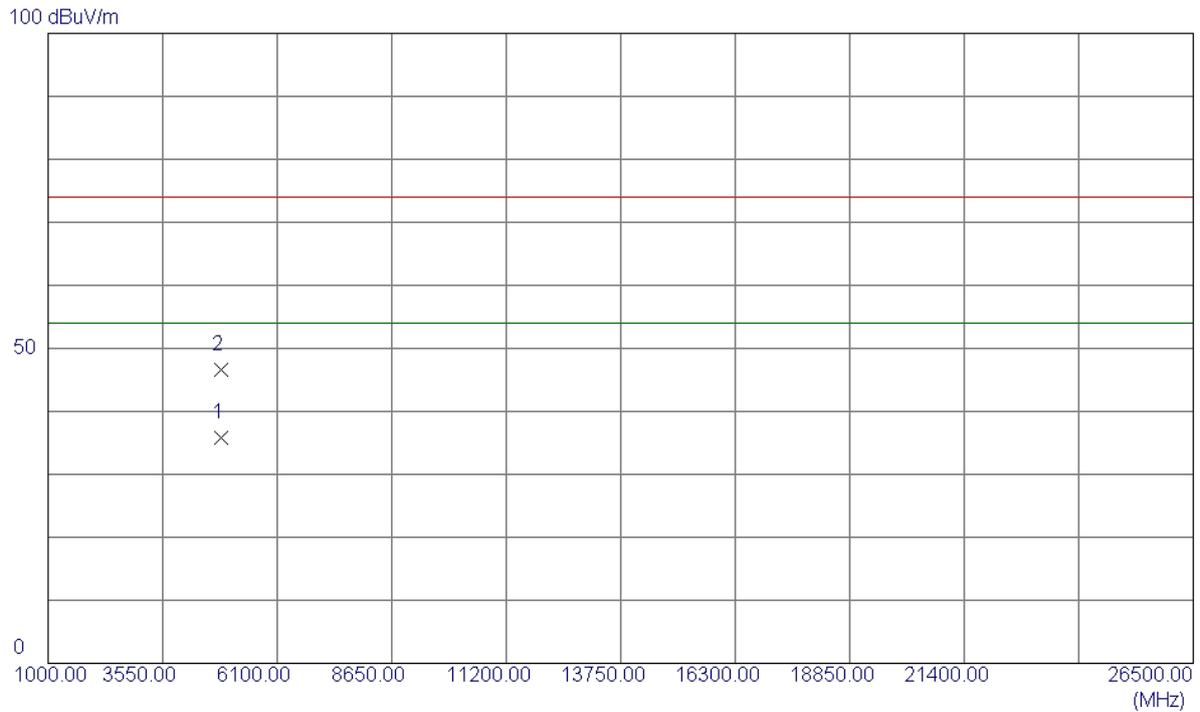
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	32.37	34.23	66.60	74.00	-7.40	Peak	
2	2390.0000	15.75	34.23	49.98	54.00	-4.02	AVG	
3	2437.4000	64.95	34.51	99.46	74.00	25.46	Peak	No Limit
4	2437.8000	53.01	34.51	87.52	54.00	33.52	AVG	No Limit

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

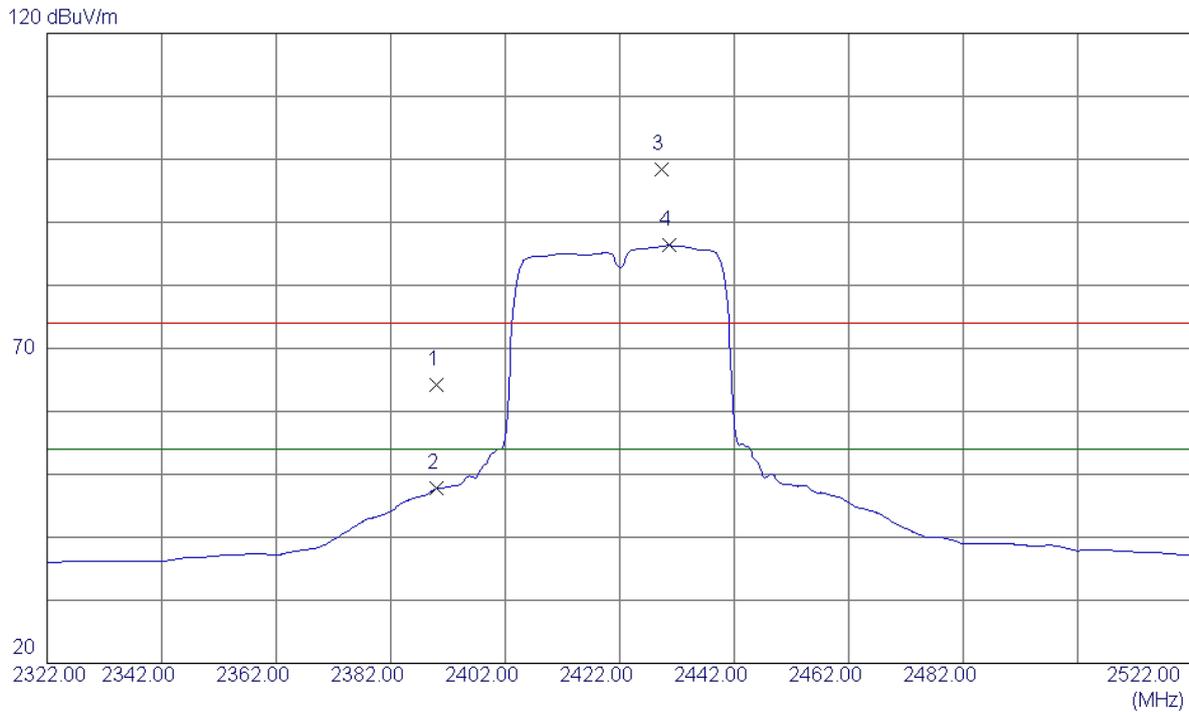
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4843.6000	28.84	6.88	35.72	54.00	-18.28	AVG	
2	4845.2000	39.66	6.88	46.54	74.00	-27.46	Peak	

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

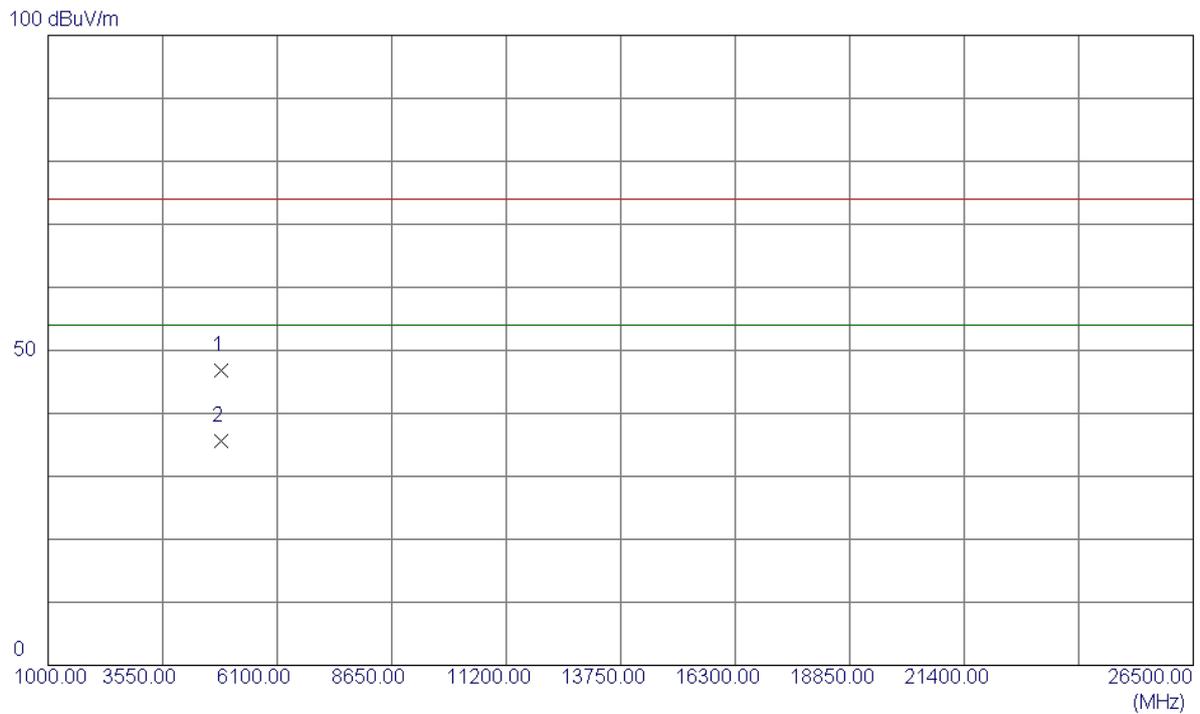
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2390.0000	29.95	34.23	64.18	74.00	-9.82	Peak	
2	2390.0000	13.50	34.23	47.73	54.00	-6.27	AVG	
3	2429.4000	63.95	34.46	98.41	74.00	24.41	Peak	No Limit
4	2430.6000	51.85	34.47	86.32	54.00	32.32	AVG	No Limit

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

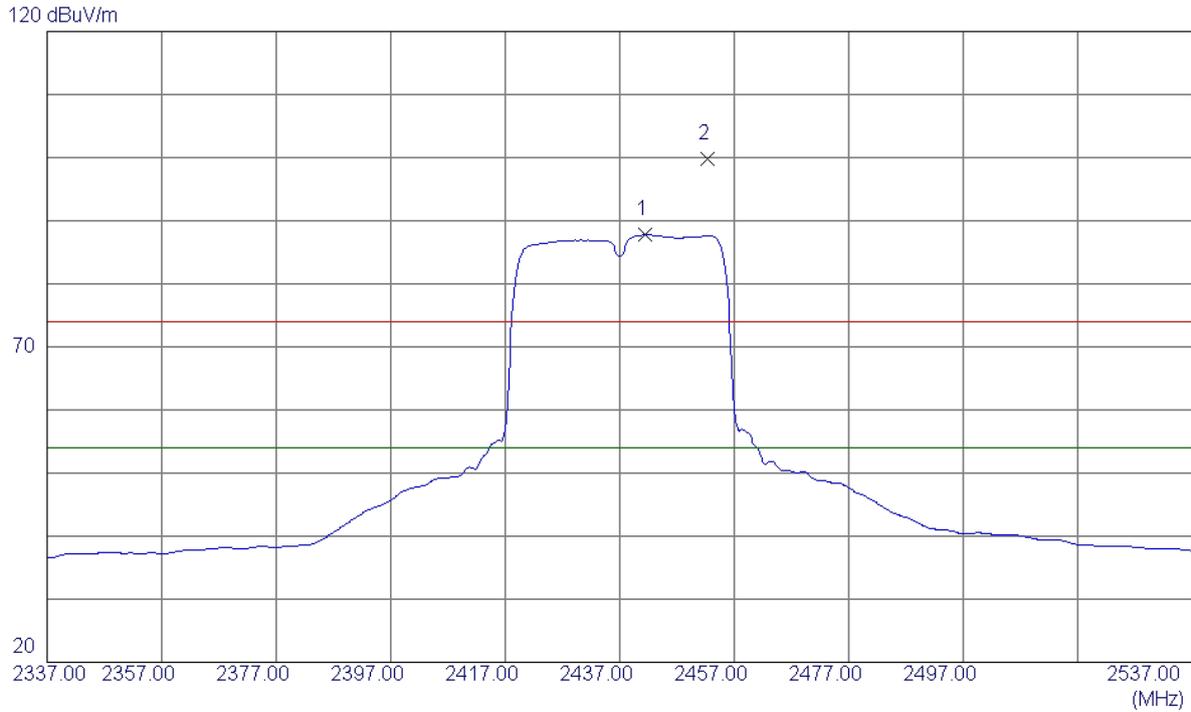
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4842.8000	39.98	6.88	46.86	74.00	-27.14	Peak	
2	4844.2000	28.80	6.88	35.68	54.00	-18.32	AVG	

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

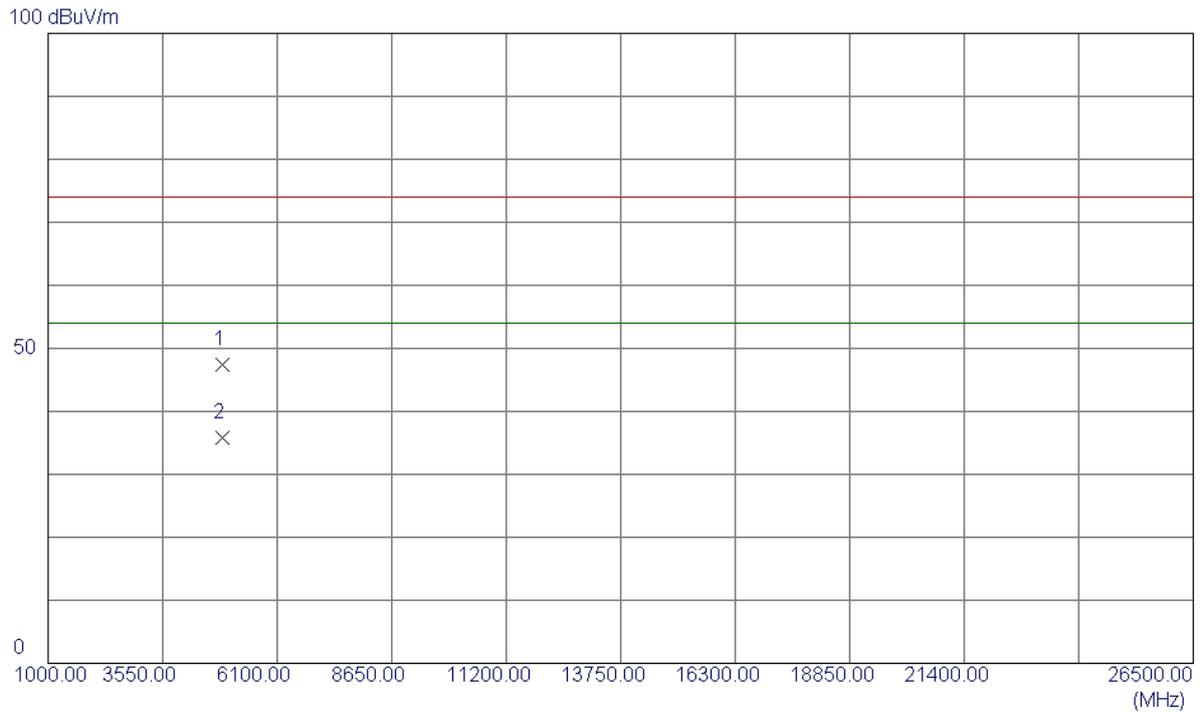
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2441.4000	53.22	34.53	87.75	74.00	13.75	Peak	No Limit
2	2452.4000	65.16	34.59	99.75	74.00	25.75	Peak	No Limit

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

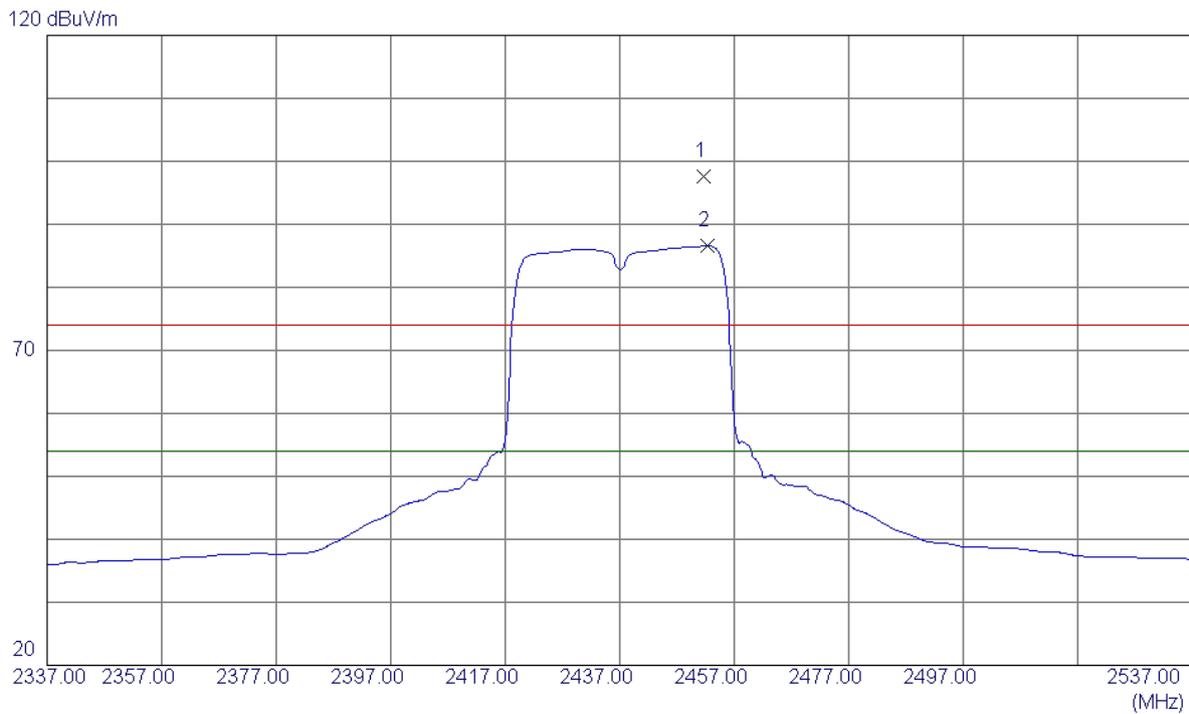
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.6000	40.41	6.97	47.38	74.00	-26.62	Peak	
2	4874.6000	28.76	6.97	35.73	54.00	-18.27	AVG	

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

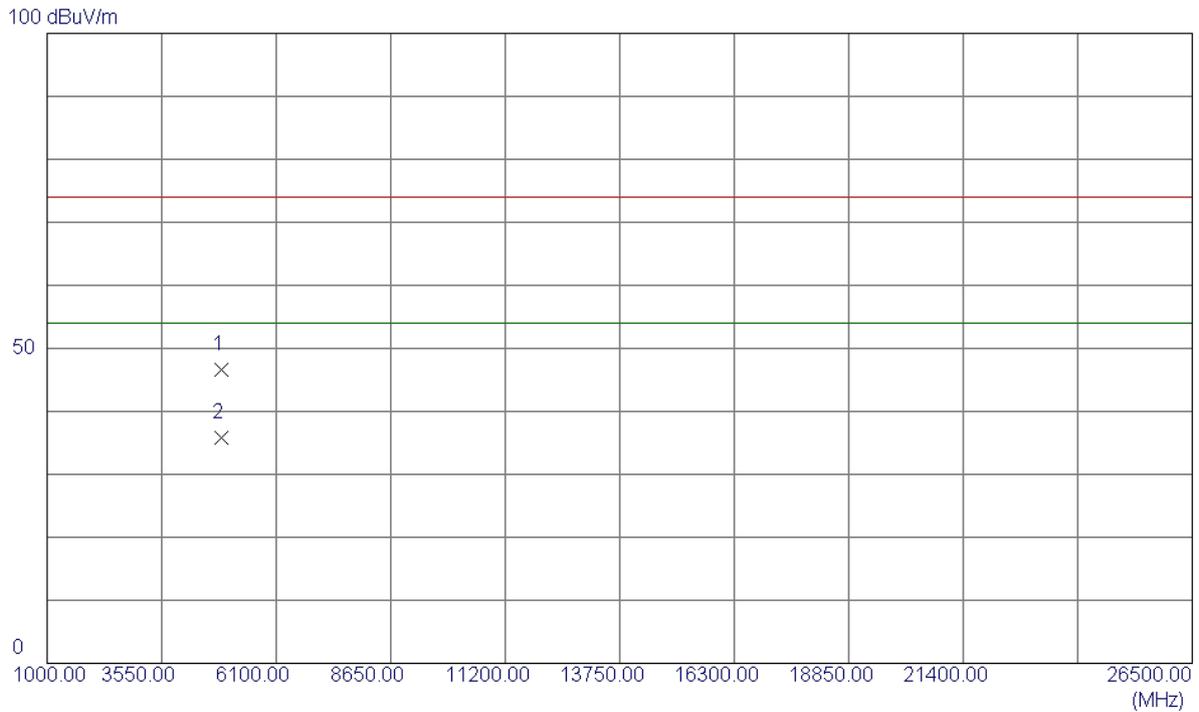
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2451.6000	62.92	34.59	97.51	74.00	23.51	Peak	No Limit
2	2452.4000	52.01	34.59	86.60	54.00	32.60	AVG	No Limit

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

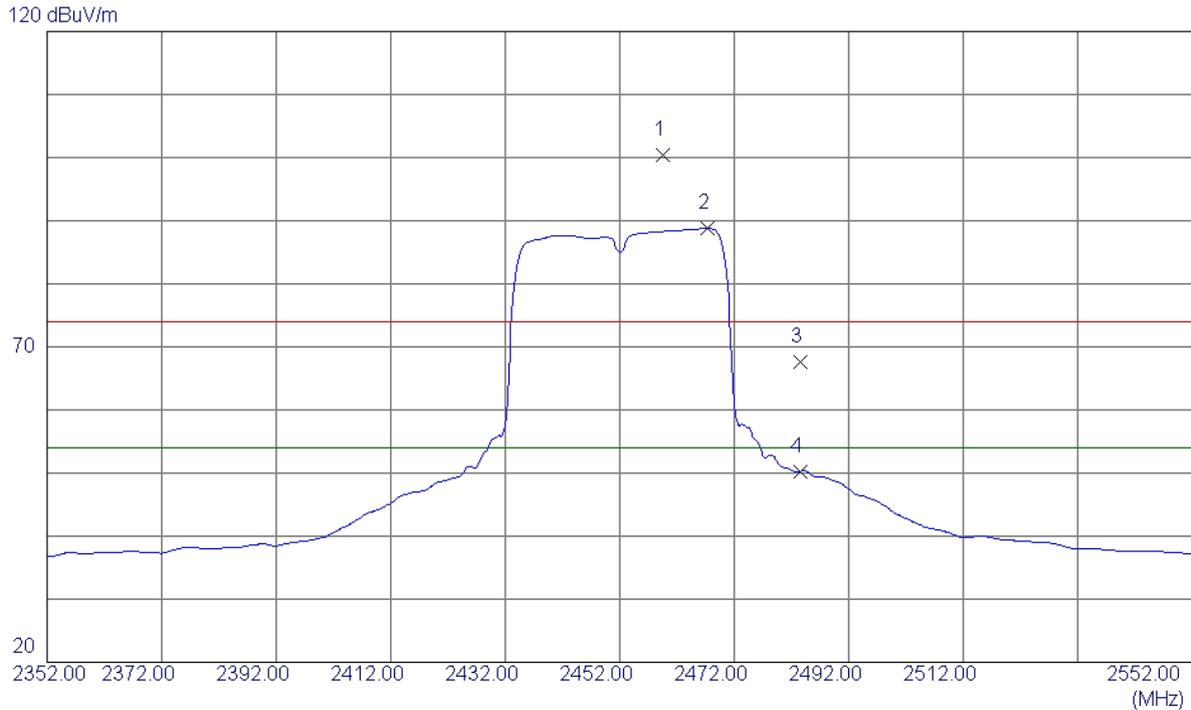
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4874.4000	39.61	6.97	46.58	74.00	-27.42	Peak	
2	4874.8000	28.80	6.97	35.77	54.00	-18.23	AVG	

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

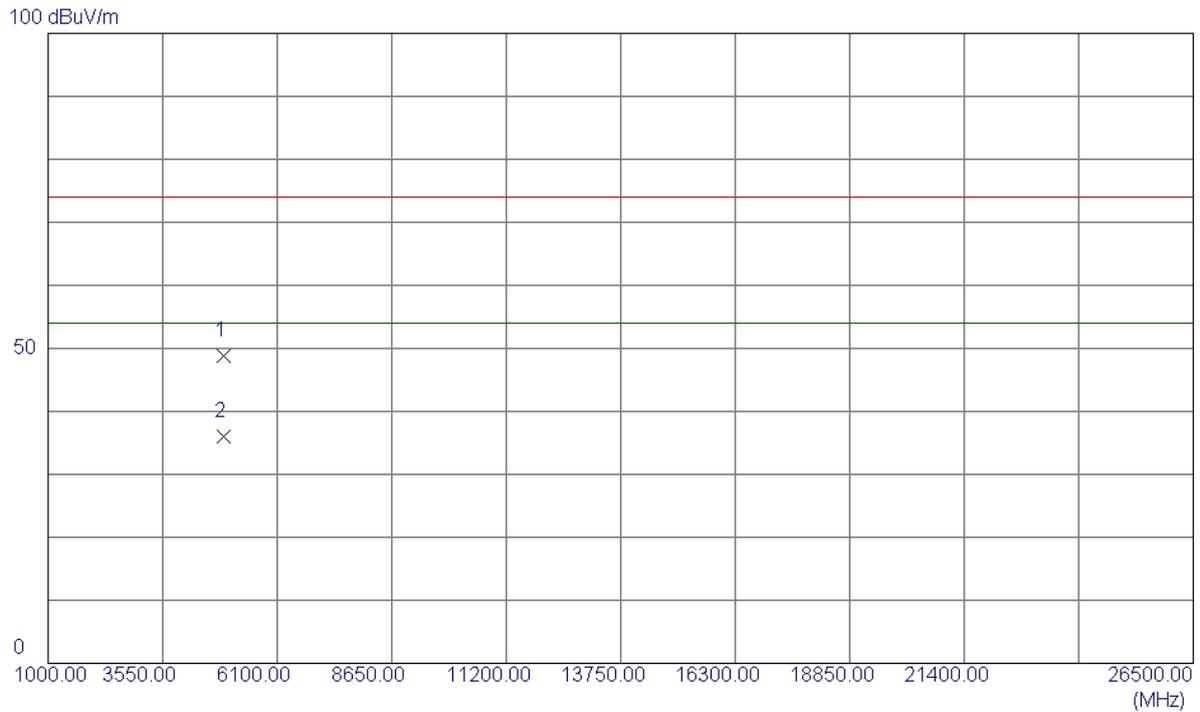
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2459.6000	65.77	34.64	100.41	74.00	26.41	Peak	No Limit
2	2467.4000	54.15	34.68	88.83	54.00	34.83	AVG	No Limit
3	2483.5000	32.89	34.77	67.66	74.00	-6.34	Peak	
4	2483.5000	15.50	34.77	50.27	54.00	-3.73	AVG	

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

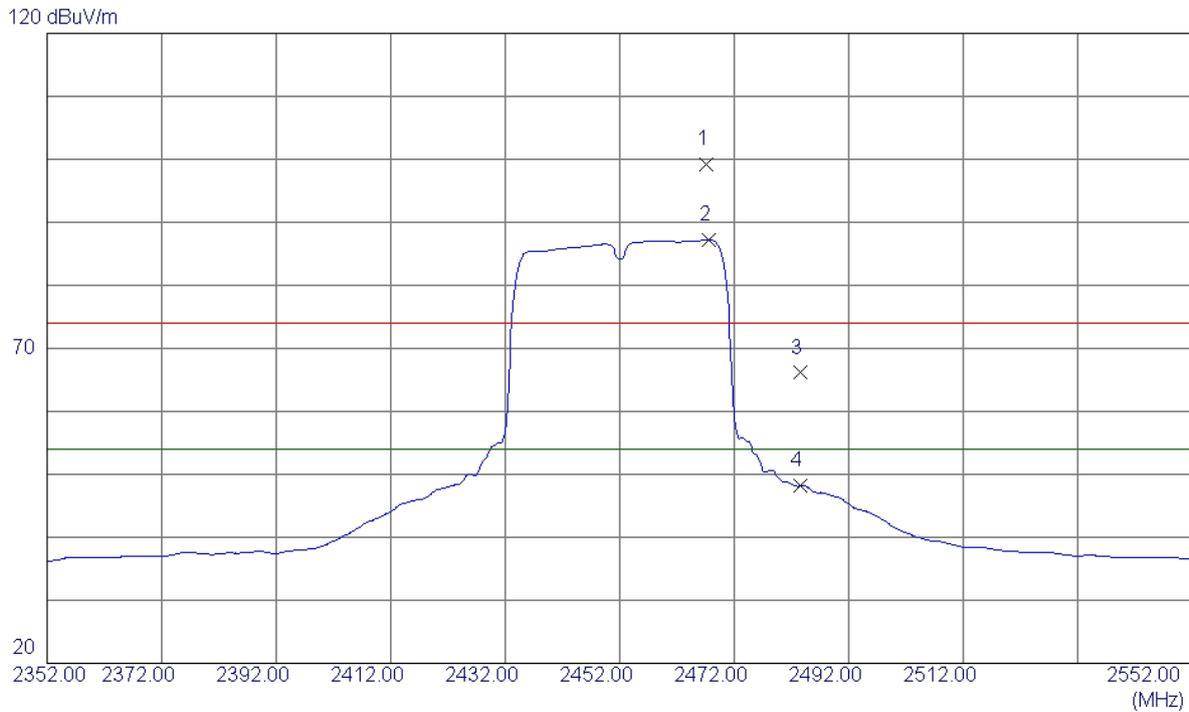
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4902.8000	41.72	7.06	48.78	74.00	-25.22	Peak	
2	4904.8000	28.86	7.06	35.92	54.00	-18.08	AVG	

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

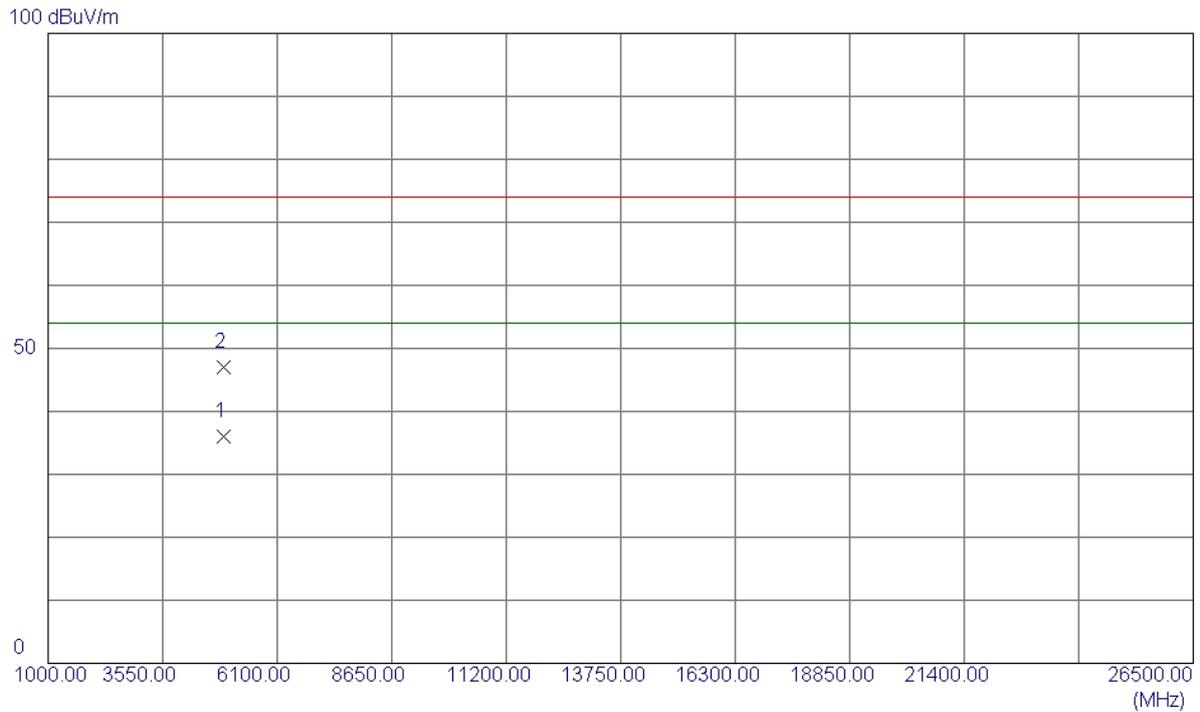
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	2467.2000	64.49	34.68	99.17	74.00	25.17	Peak	No Limit
2	2467.6000	52.58	34.68	87.26	54.00	33.26	AVG	No Limit
3	2483.5000	31.33	34.77	66.10	74.00	-7.90	Peak	
4	2483.5000	13.39	34.77	48.16	54.00	-5.84	AVG	

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

Horizontal



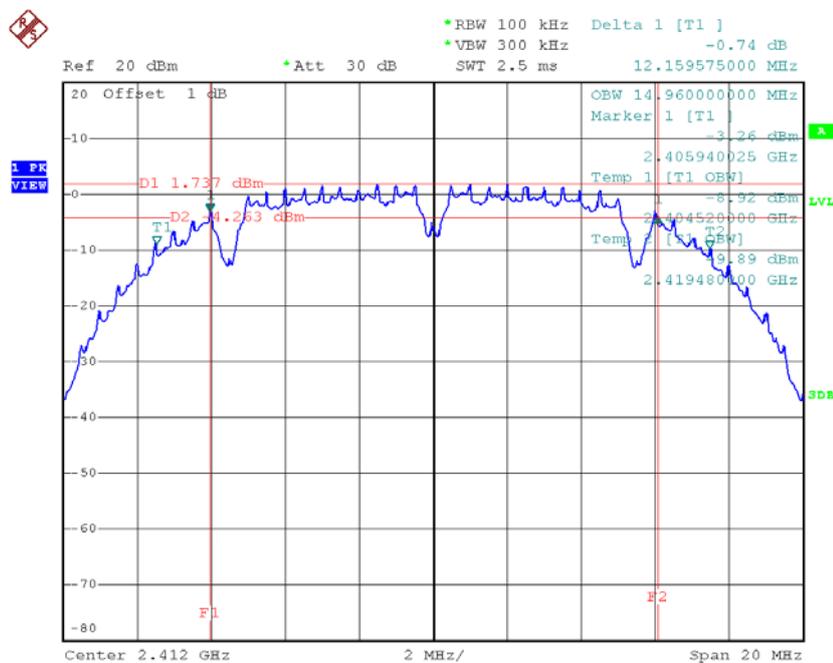
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4905.0000	28.92	7.06	35.98	54.00	-18.02	AVG	
2	4905.4000	39.85	7.07	46.92	74.00	-27.08	Peak	

ATTACHMENT E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

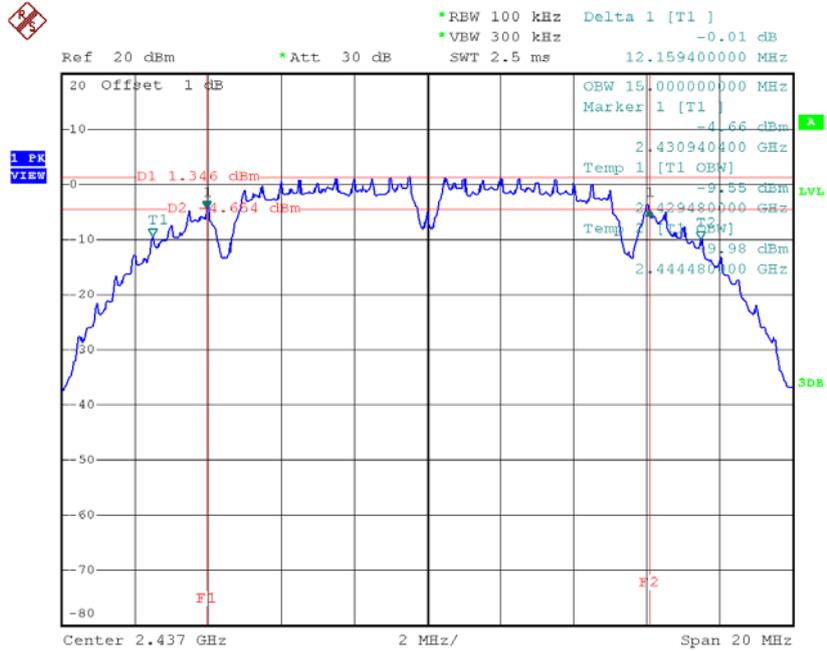
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	12.16	14.96	500	Complies
2437	12.16	15.00	500	Complies
2462	12.12	14.96	500	Complies

TX CH01



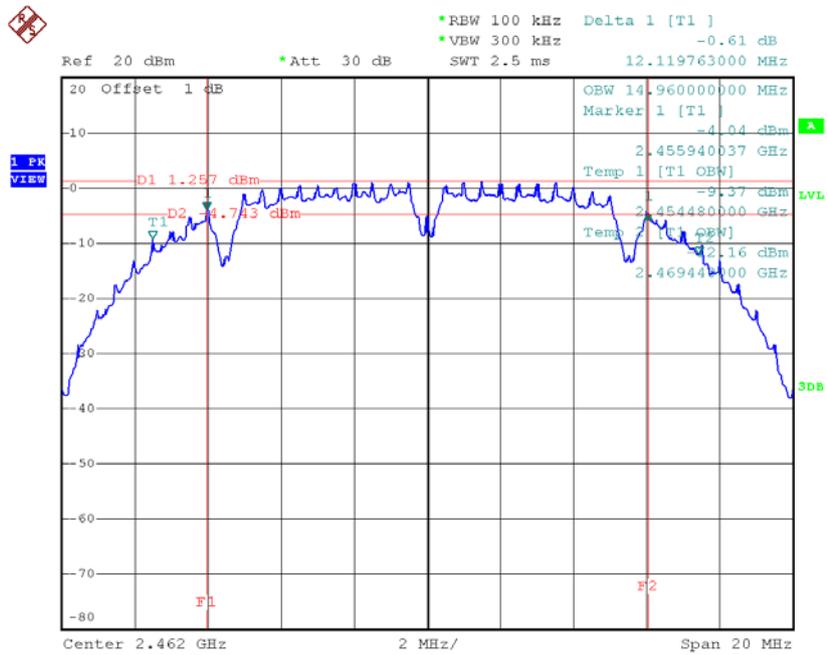
Date: 21.JUL.2015 06:52:31

TX CH06



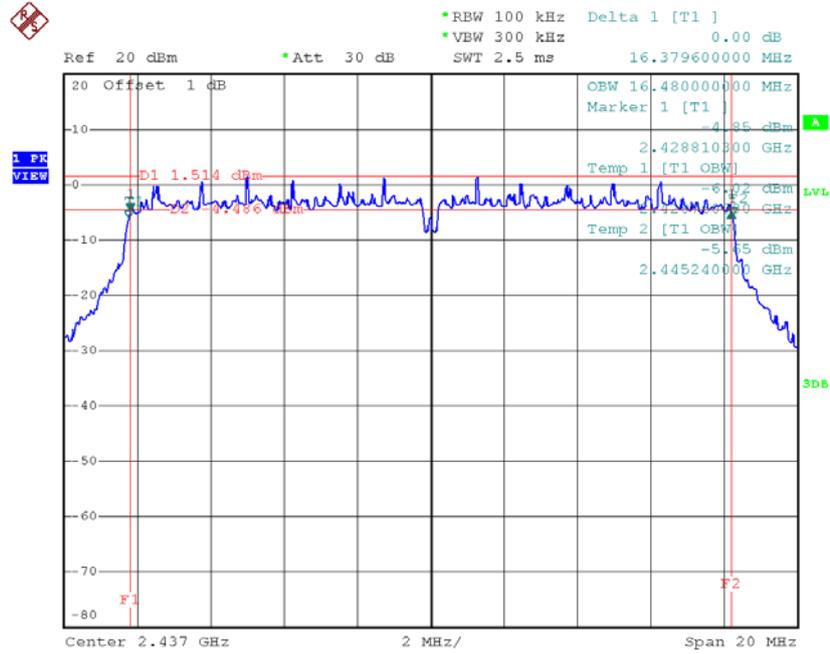
Date: 21.JUL.2015 06:53:41

TX CH11



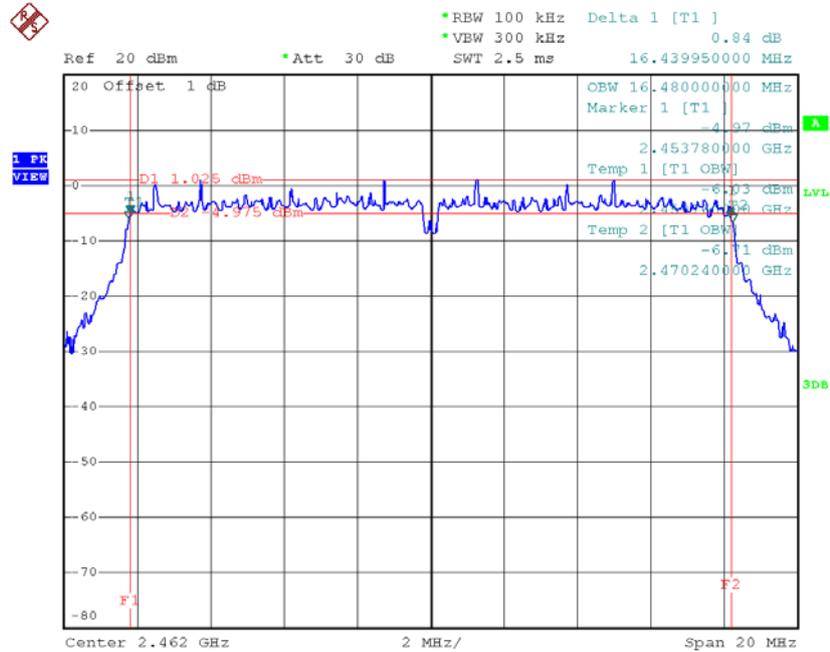
Date: 21.JUL.2015 06:54:51

TX CH06



Date: 21.JUL.2015 06:58:32

TX CH11

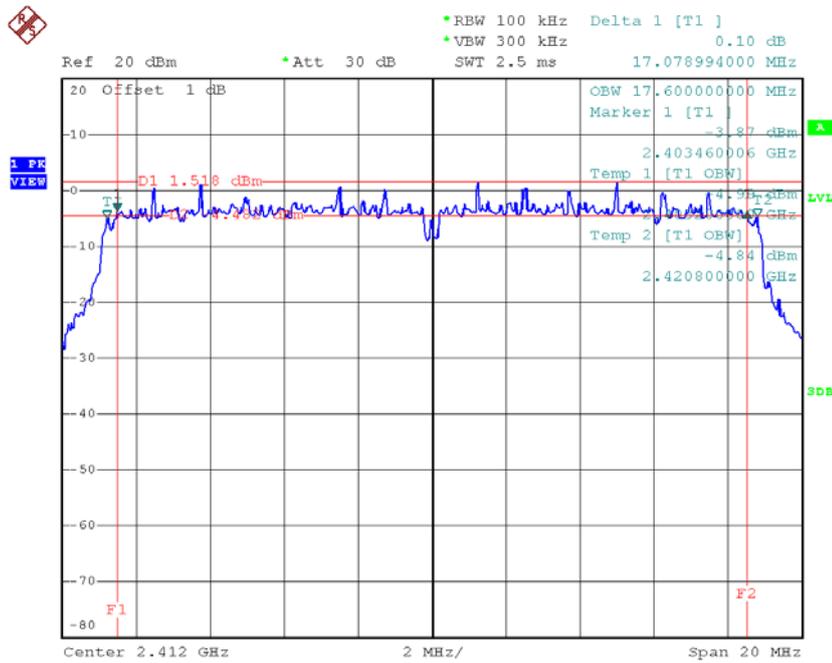


Date: 21.JUL.2015 06:59:25

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

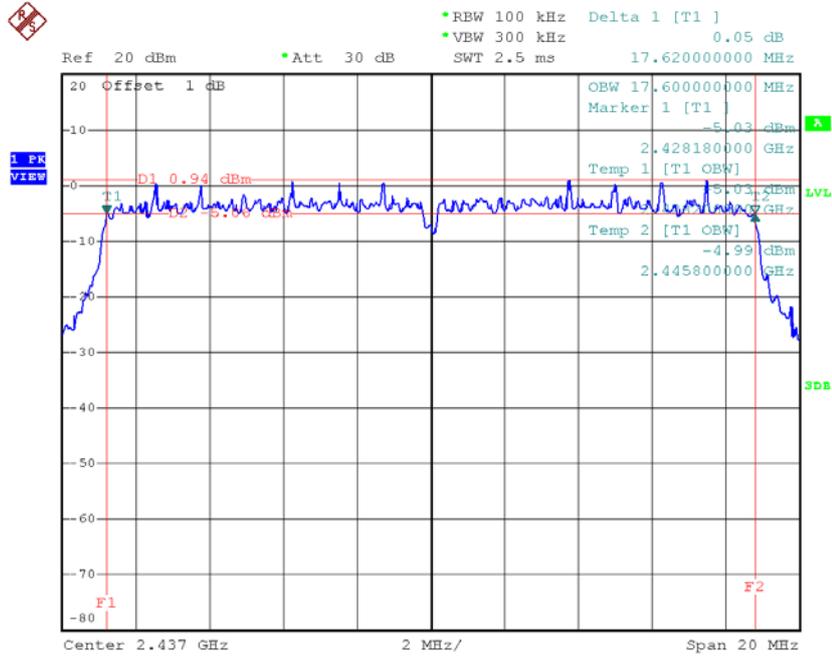
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.08	17.60	500	Complies
2437	17.62	17.60	500	Complies
2462	17.39	17.60	500	Complies

TX CH01



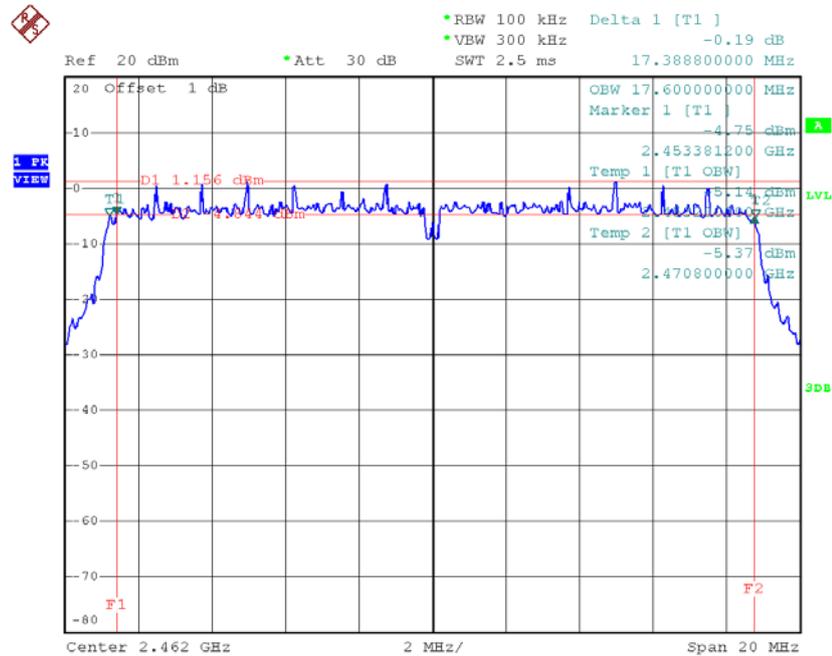
Date: 21.JUL.2015 06:44:16

TX CH06



Date: 21.JUL.2015 06:45:19

TX CH11

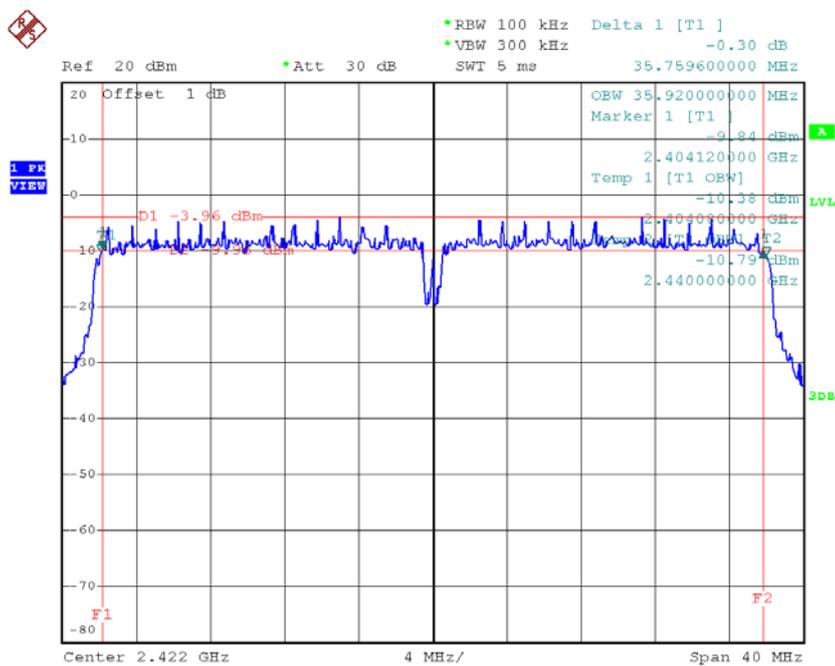


Date: 21.JUL.2015 06:46:21

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

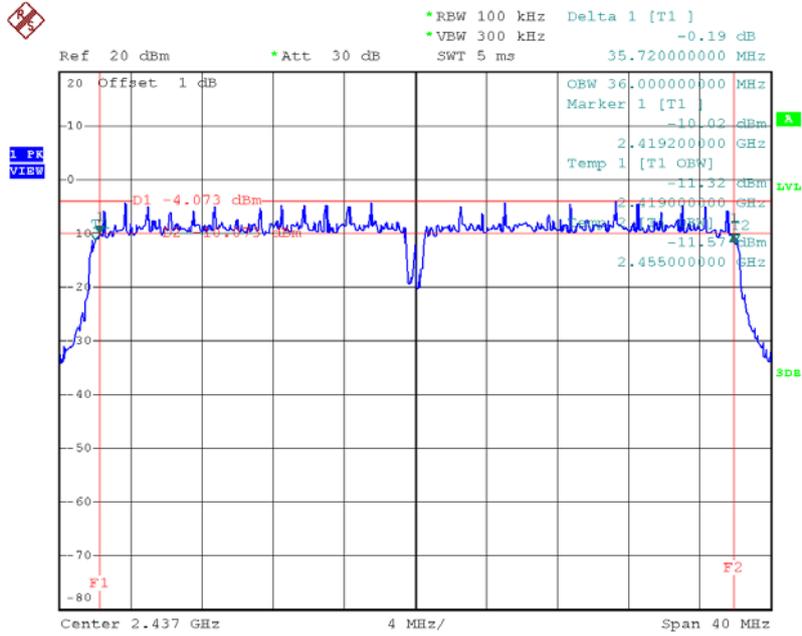
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.76	35.92	500	Complies
2437	35.72	36.00	500	Complies
2452	35.80	36.00	500	Complies

TX CH03



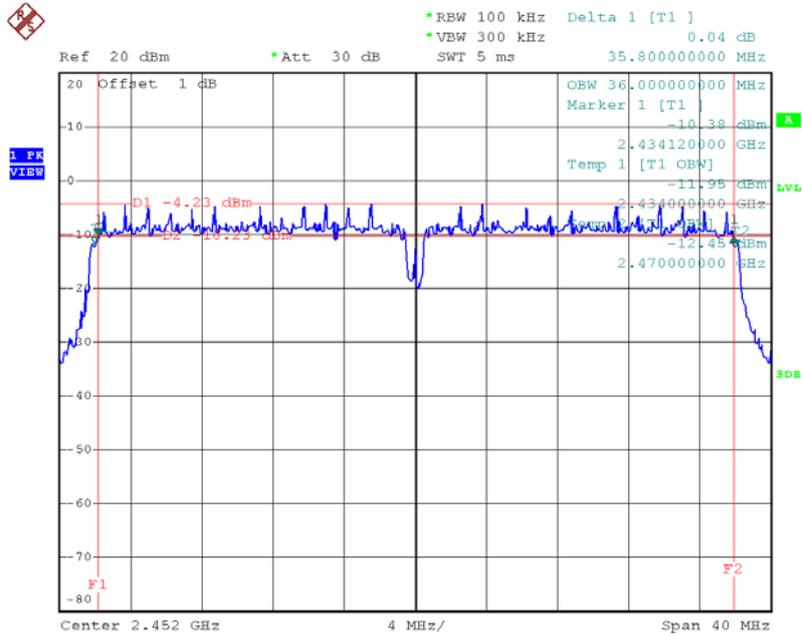
Date: 21.JUL.2015 06:48:25

TX CH06



Date: 21.JUL.2015 06:49:28

TX CH09



Date: 21.JUL.2015 06:50:31

ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode :TX B Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	15.97	0.04	30.00	1.00	Complies
2437	15.60	0.04	30.00	1.00	Complies
2462	15.02	0.03	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.37	0.14	30.00	1.00	Complies
2437	21.36	0.14	30.00	1.00	Complies
2462	20.88	0.12	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.27	0.07	30.00	1.00	Complies
2437	21.89	0.15	30.00	1.00	Complies
2462	19.10	0.08	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	14.92	0.03	30.00	1.00	Complies
2437	19.06	0.08	30.00	1.00	Complies
2452	15.49	0.04	30.00	1.00	Complies

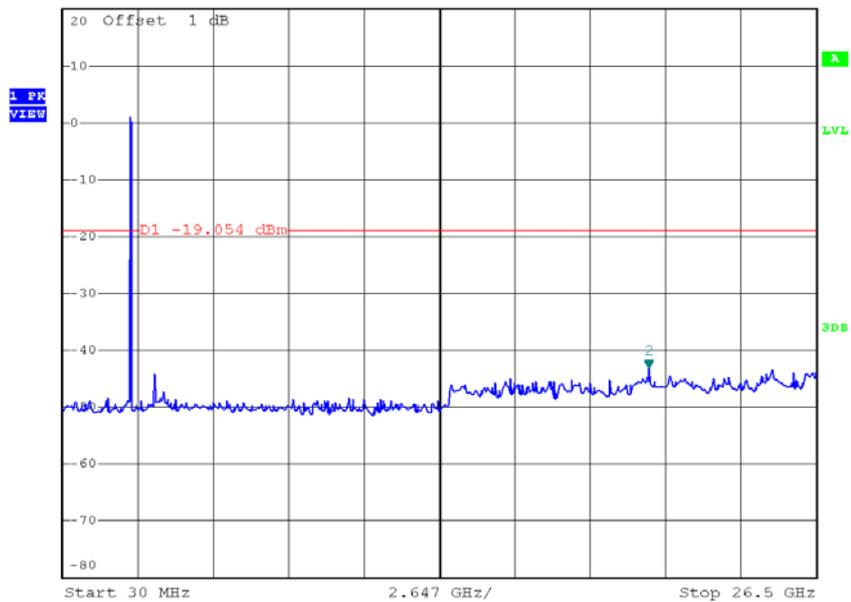
**ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS
EMISSION**

Test Mode :	TX B Mode
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TX B mode CH11 (10 Harmonic of the frequency)



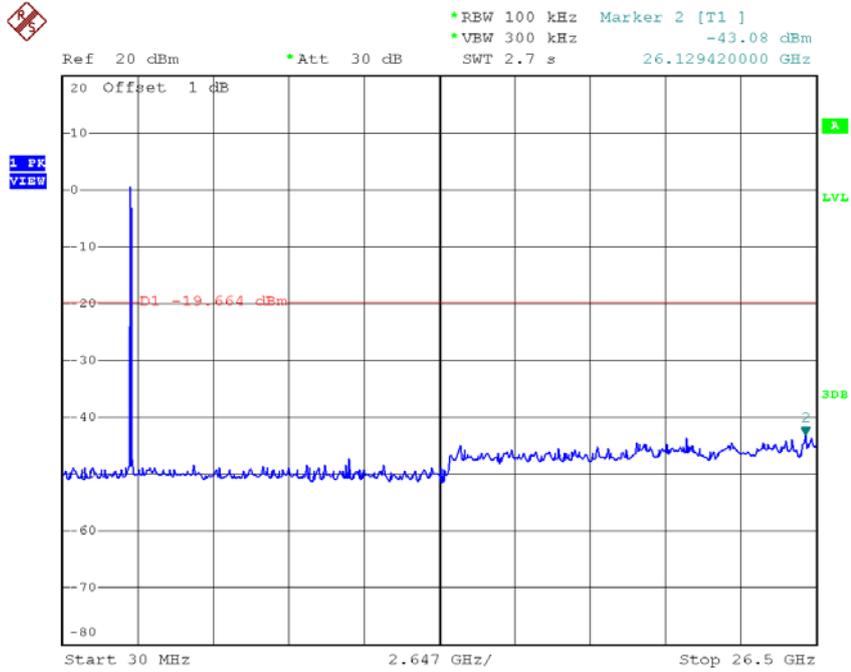
*REW 100 kHz Marker 2 [T1]
 *VBW 300 kHz -43.08 dBm
 Ref 20 dBm *Att 30 dB SWT 2.7 s 20.623660000 GHz



Date: 21.JUL.2015 06:55:05

Test Mode :	TX G Mode
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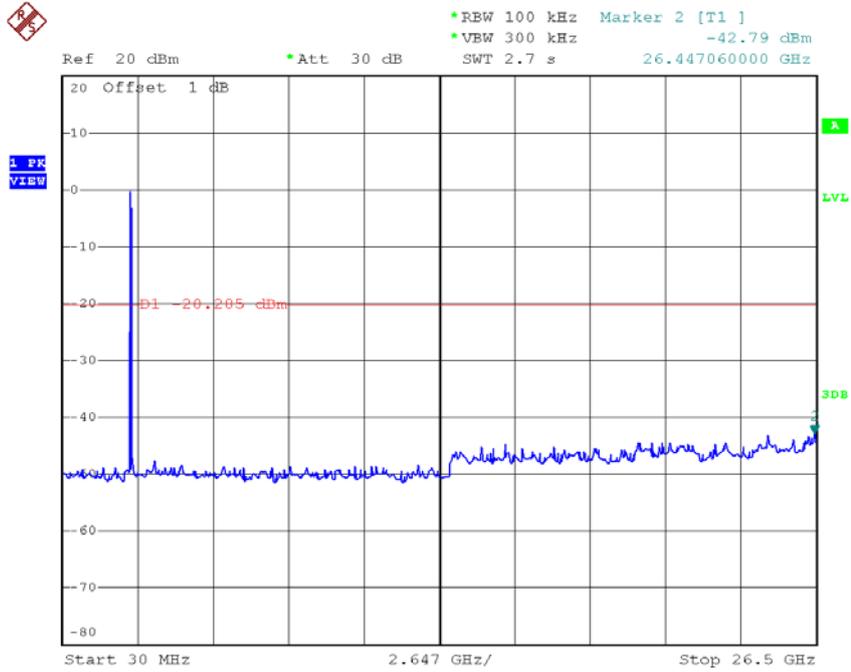
TX G mode CH11 (10 Harmonic of the frequency)



Date: 21.JUL.2015 06:59:39

Test Mode :	TX N-20M Mode
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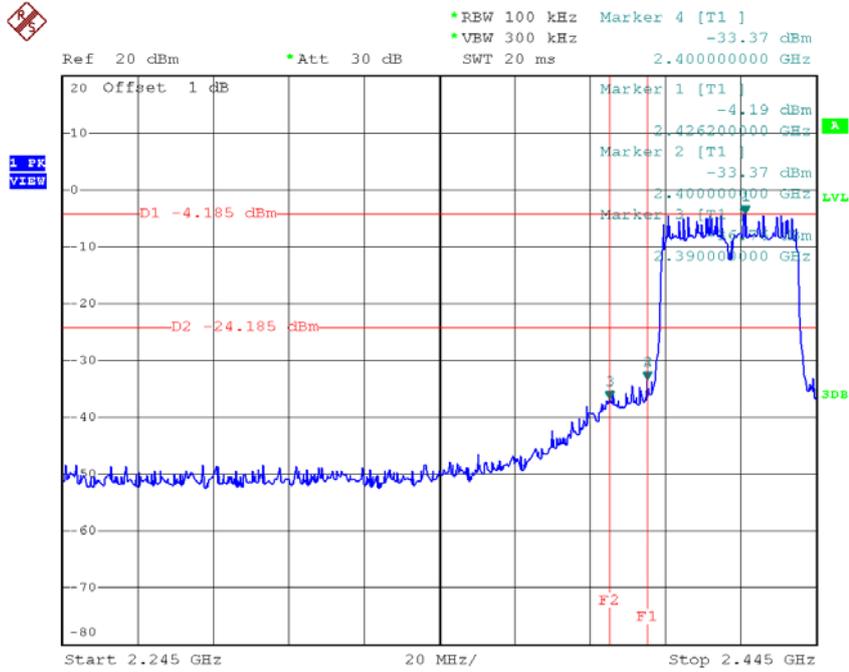
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 21.JUL.2015 06:46:35

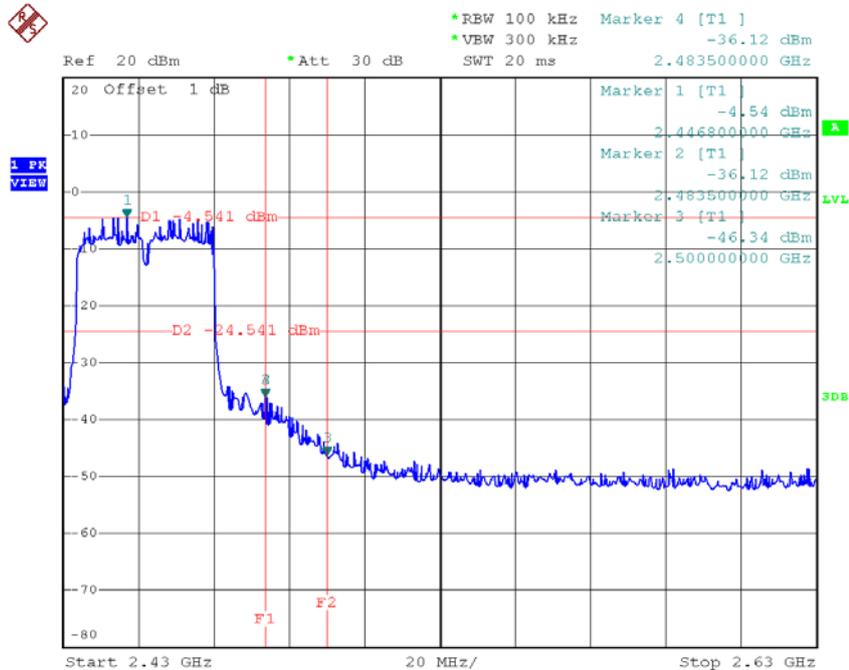
Test Mode :	TX N-40M Mode
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TX HT40 mode CH03



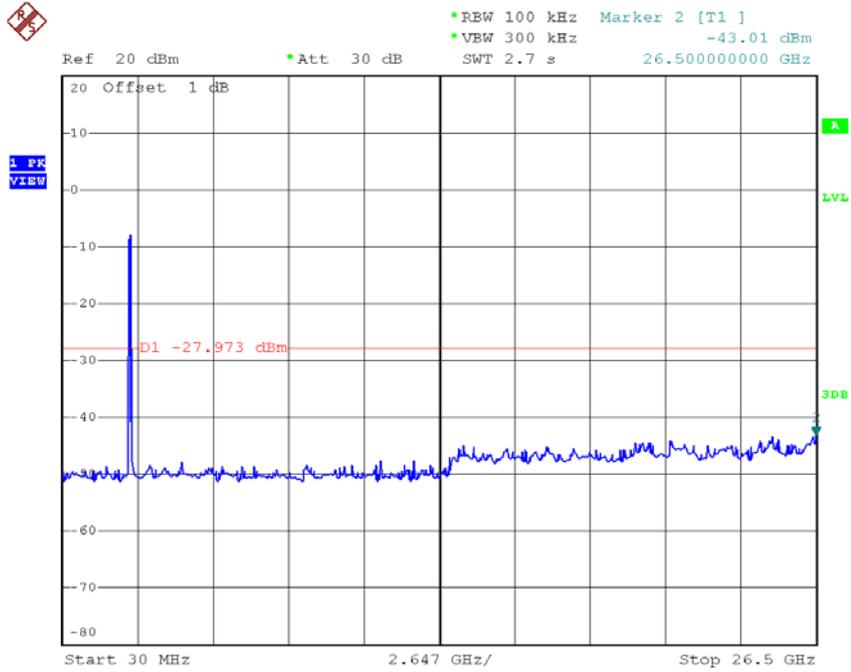
Date: 21.JUL.2015 06:48:47

TX HT40 mode CH09



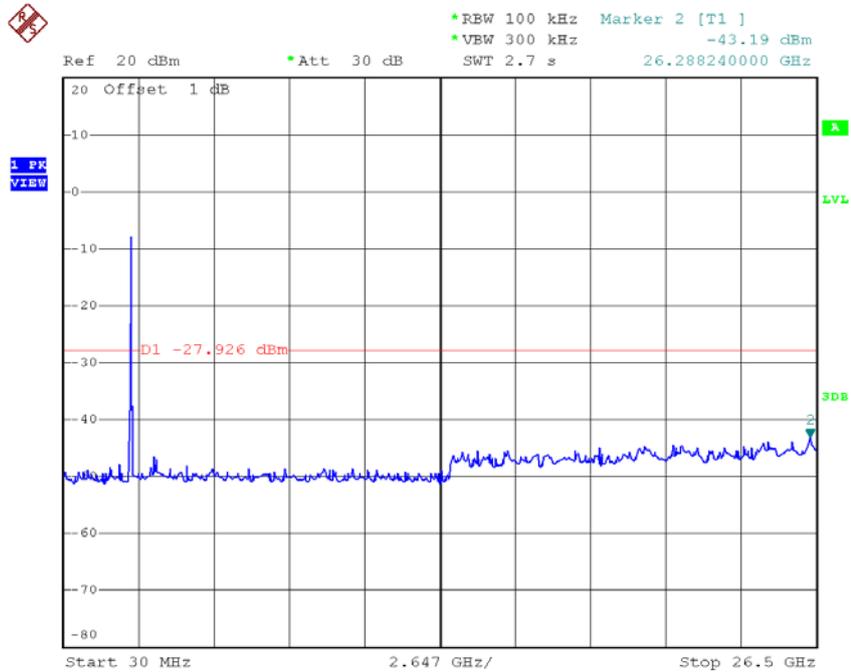
Date: 21.JUL.2015 06:50:52

TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 21.JUL.2015 06:48:39

TX HT40 mode CH06 (10 Harmonic of the frequency)

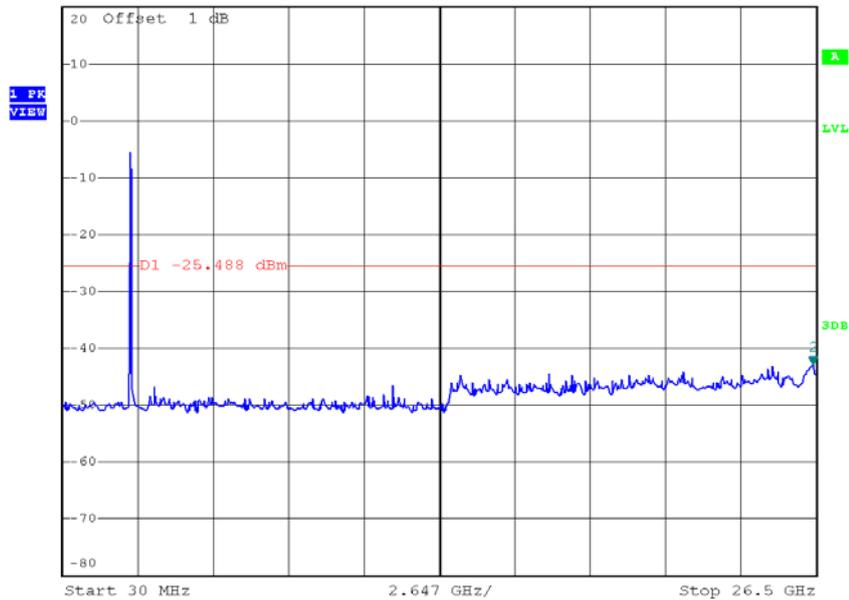


Date: 21.JUL.2015 06:49:42

TX HT40 mode CH09 (10 Harmonic of the frequency)



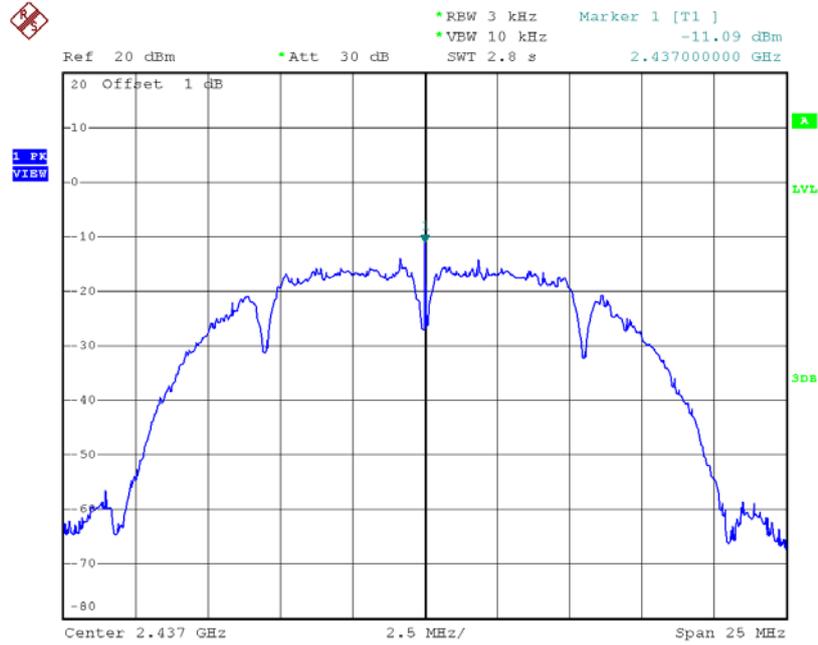
*REW 100 kHz Marker 2 [T1]
 *VBW 300 kHz -42.94 dBm
 Ref 20 dBm *Att 30 dB SWT 2.7 s 26.394120000 GHz



Date: 21.JUL.2015 06:50:44

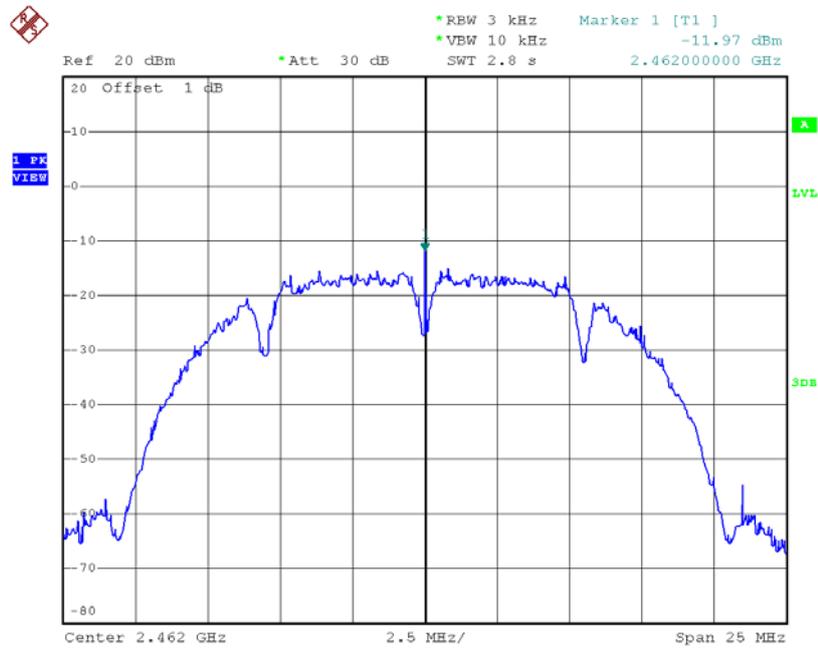
ATTACHMENT H - POWER SPECTRAL DENSITY

TX CH06



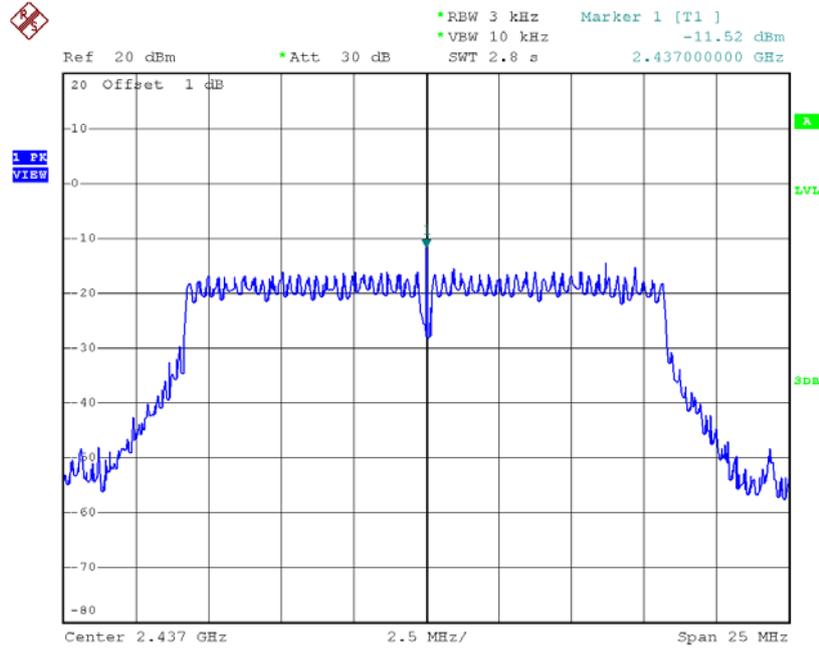
Date: 21.JUL.2015 06:54:05

TX CH11



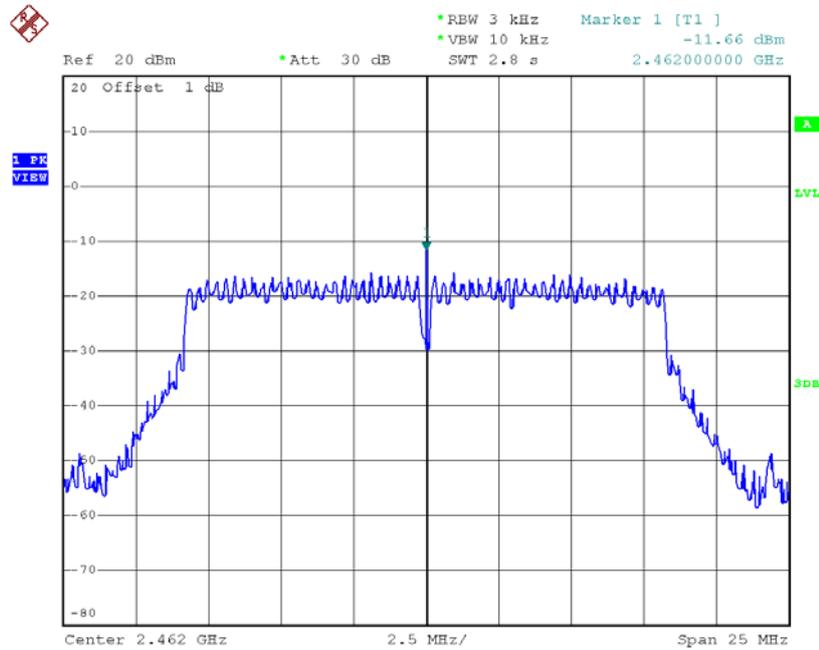
Date: 21.JUL.2015 06:55:22

TX CH06



Date: 21.JUL.2015 06:58:56

TX CH11

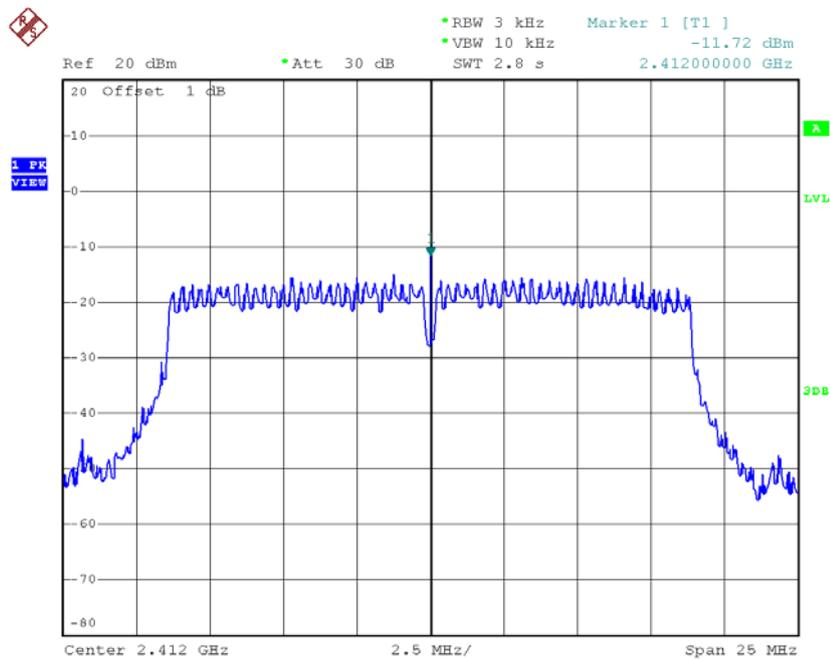


Date: 21.JUL.2015 06:59:57

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

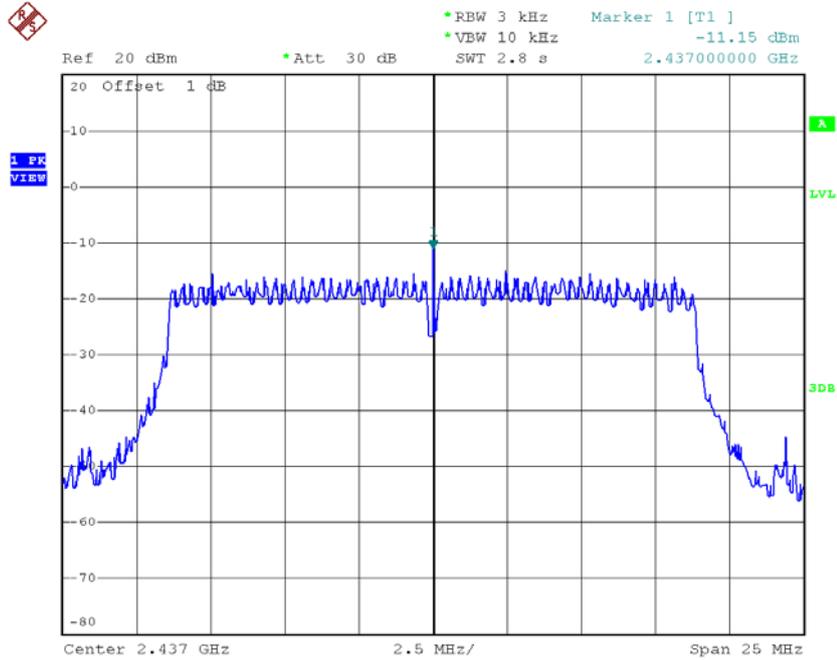
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.72	0.07	8.00	Complies
2437	-11.15	0.08	8.00	Complies
2462	-11.85	0.07	8.00	Complies

TX CH01



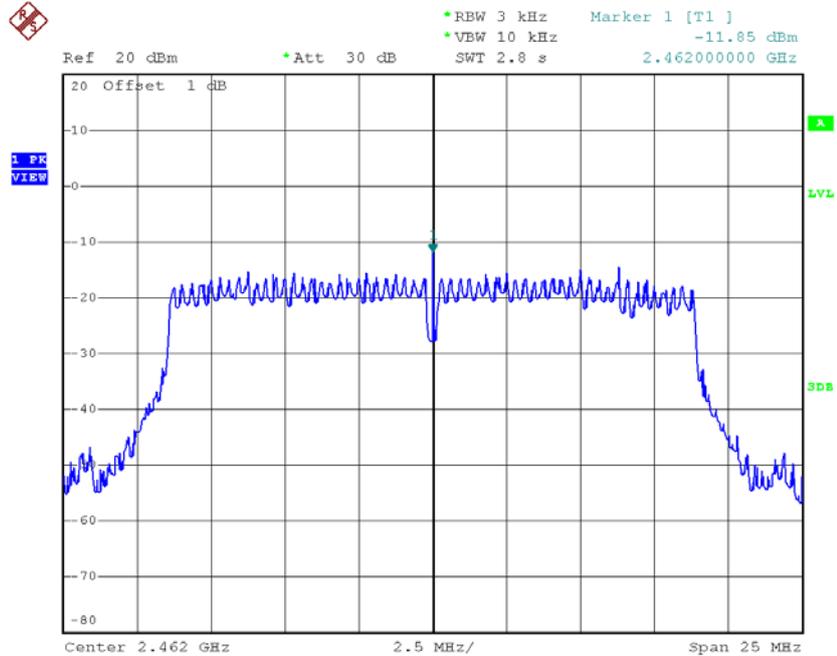
Date: 21.JUL.2015 06:44:47

TX CH06



Date: 21.JUL.2015 06:45:43

TX CH11

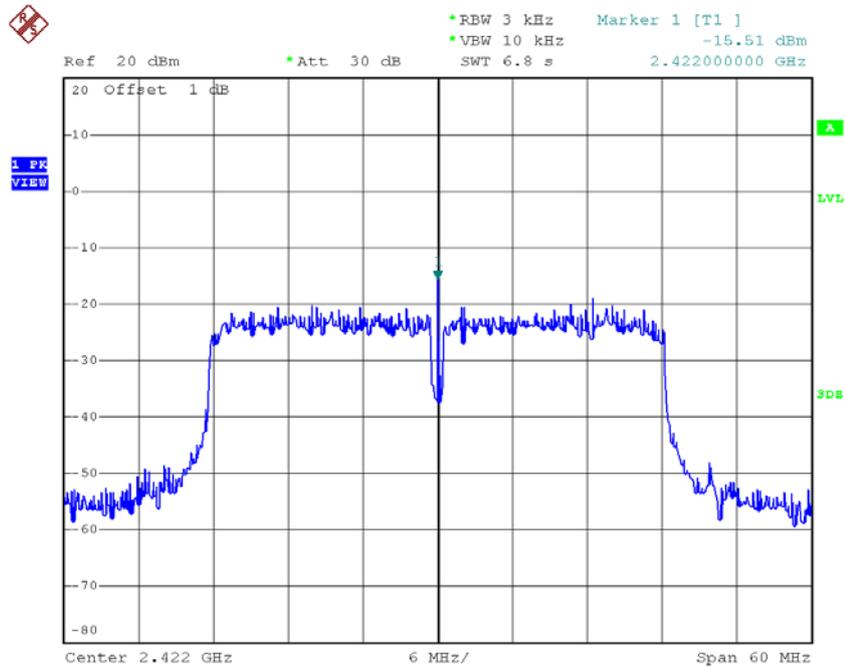


Date: 21.JUL.2015 06:46:52

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

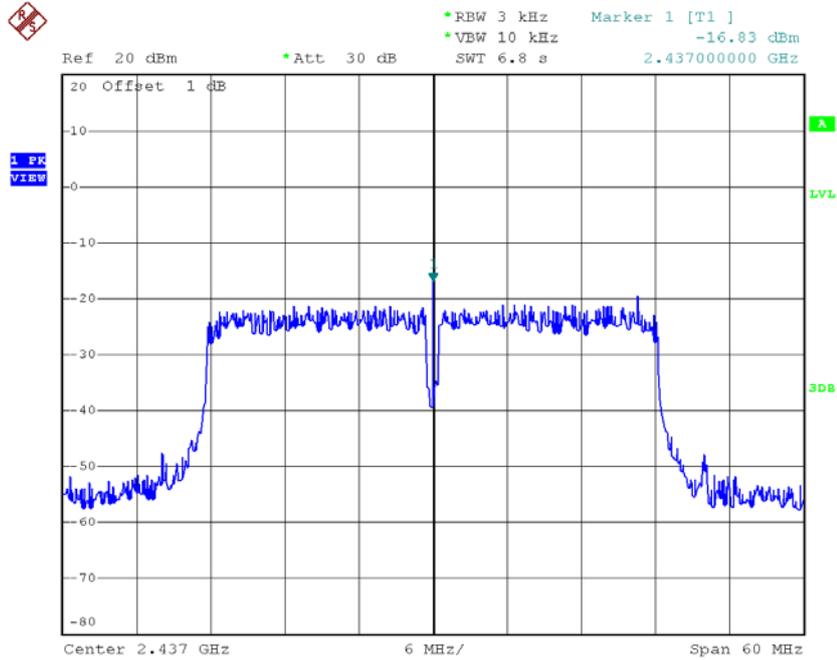
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-15.51	0.03	8.00	Complies
2437	-16.83	0.02	8.00	Complies
2452	-16.85	0.02	8.00	Complies

TX CH03



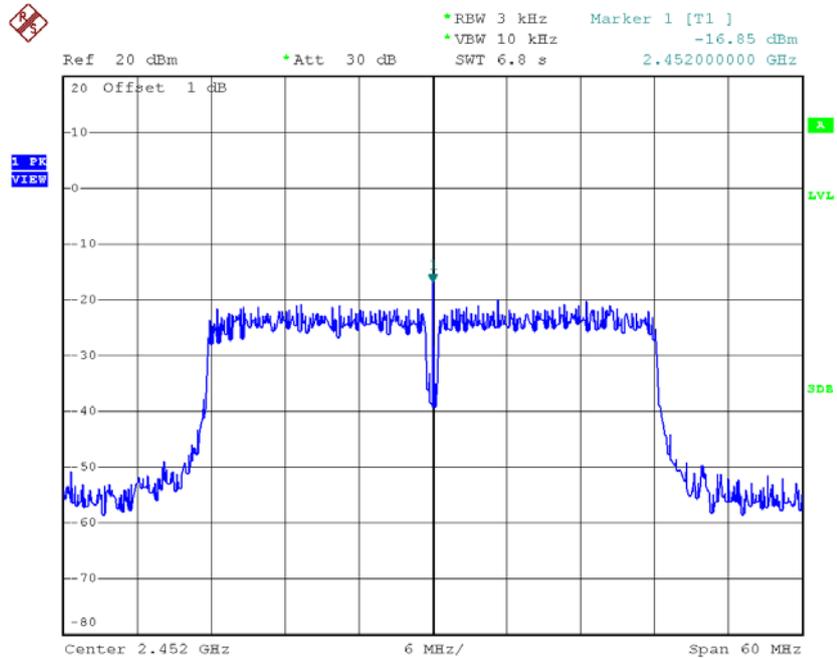
Date: 21.JUL.2015 06:48:59

TX CH06



Date: 21.JUL.2015 06:49:54

TX CH09



Date: 21.JUL.2015 06:51:04