

FCC Radio Test Report

FCC ID: Q78-ZXHNH198A

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

Project No. : 1509C188
Equipment : Home Gateway
Model Name : ZXHN H198A
Applicant : ZTE CORPORATION
Address : ZTE Plaza, Keji Road South, Hi-Tech Road South
Hi-Tech Industrial Park Nanshan District, Shenzhen,
Guangdong 518057 China

Date of Receipt : Sep. 14, 2015
Date of Test : Sep. 14, 2015 ~ Dec. 01, 2015
Issued Date : Dec. 02, 2015
Tested by : BTL Inc.

Testing Engineer : Shawn Xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

Authorized Signatory : Steven Lu
(Steven Lu)

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan,
Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

Declaration

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

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

BTL's report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **BTL-self**, extracts from the test report shall not be reproduced except in full with **BTL's** authorized written approval.

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

Limitation

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

Table of Contents	Page
1 . CERTIFICATION	6
2 . SUMMARY OF TEST RESULTS	7
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
3 . GENERAL INFORMATION	9
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	11
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	12
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	13
3.5 DESCRIPTION OF SUPPORT UNITS	13
4 . EMC EMISSION TEST	14
4.1 CONDUCTED EMISSION MEASUREMENT	14
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	14
4.1.2 TEST PROCEDURE	14
4.1.3 DEVIATION FROM TEST STANDARD	14
4.1.4 TEST SETUP	15
4.1.5 EUT OPERATING CONDITIONS	15
4.1.6 EUT TEST CONDITIONS	15
4.1.7 TEST RESULTS	15
4.2 RADIATED EMISSION MEASUREMENT	16
4.2.1 RADIATED EMISSION LIMITS	16
4.2.2 TEST PROCEDURE	17
4.2.3 DEVIATION FROM TEST STANDARD	17
4.2.4 TEST SETUP	18
4.2.5 EUT OPERATING CONDITIONS	19
4.2.6 EUT TEST CONDITIONS	19
4.2.7 TEST RESULTS (9KHZ TO 30MHZ)	19
4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)	19
4.2.9 TEST RESULTS (ABOVE 1000 MHZ)	19
5 . BANDWIDTH TEST	20
5.1 APPLIED PROCEDURES	20
5.1.1 TEST PROCEDURE	20
5.1.2 DEVIATION FROM STANDARD	20
5.1.3 TEST SETUP	20
5.1.4 EUT OPERATION CONDITIONS	20
5.1.5 EUT TEST CONDITIONS	20
5.1.6 TEST RESULTS	20
6 . MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST	21

Table of Contents	Page
6.1 APPLIED PROCEDURES / LIMIT	21
6.1.1 TEST PROCEDURE	21
6.1.2 DEVIATION FROM STANDARD	21
6.1.3 TEST SETUP	21
6.1.4 EUT OPERATION CONDITIONS	21
6.1.5 EUT TEST CONDITIONS	21
6.1.6 TEST RESULTS	21
7 . ANTENNA CONDUCTED SPURIOUS EMISSION	22
7.1 APPLIED PROCEDURES / LIMIT	22
7.1.1 TEST PROCEDURE	22
7.1.2 DEVIATION FROM STANDARD	22
7.1.3 TEST SETUP	22
7.1.4 EUT OPERATION CONDITIONS	22
7.1.5 EUT TEST CONDITIONS	22
7.1.6 TEST RESULTS	22
8 . POWER SPECTRAL DENSITY TEST	23
8.1 APPLIED PROCEDURES / LIMIT	23
8.1.1 TEST PROCEDURE	23
8.1.2 DEVIATION FROM STANDARD	23
8.1.3 TEST SETUP	23
8.1.4 EUT OPERATION CONDITIONS	23
8.1.5 EUT TEST CONDITIONS	23
8.1.6 TEST RESULTS	23
9 . MEASUREMENT INSTRUMENTS LIST	24
10 . EUT TEST PHOTO	26
ATTACHMENT A - CONDUCTED EMISSION	30
ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)	33
ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)	35
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	42
ATTACHMENT E - BANDWIDTH	91
ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER	100
ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION	105
ATTACHMENT H - POWER SPECTRAL DENSITY	138

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1509C188	Original Issue.	Dec. 02, 2015

1. CERTIFICATION

Equipment : Home Gateway
Brand Name : ZTE, ZTE 中兴
Model Name : ZXHN H198A
Applicant : ZTE CORPORATION
Manufacturer: ZTE CORPORATION
Address : ZTE Plaza, Keji Road South, Hi-Tech Road South Hi-Tech Industrial Park
Nanshan District, Shenzhen, Guangdong 518057 China
Factory : Compal Networking(KunShan)Co.,LTD.
Address : 520 Nanbang Road.Economic&Technical development Zone kunshan.Jiangsu
Date of Test : Sep. 14, 2015 ~ Dec. 01, 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-1-1509C188) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

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

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C: 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)
DG-C02	CISPR	150 kHz ~ 30MHz	2.32

B. Radiated Measurement:

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

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Home Gateway	
Brand Name	ZTE, ZTE 中兴	
Model Name	ZXHN H198A	
Model Difference	NA	
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 450 Mbps
	Output Power (Max.)	802.11b: 20.39 dBm 802.11g: 24.68 dBm 802.11n(20MHz): 24.76 dBm 802.11n(40MHz): 24.78 dBm
Power Source	DC voltage supplied from AC Adapter Model: RD1201500-C55-1MG	
Power Rating	I/P: 100-240V~ 50/60Hz 0.6A MAX O/P: DC 12V 1.5A	

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 – CH11 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	COCOMM	W2G4-S01-Z	Internal	N/A	2.8
2	COCOMM	W2G4-S01-Z	Printed	N/A	2.8

Note:

The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R).

4.

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

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	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

Note:

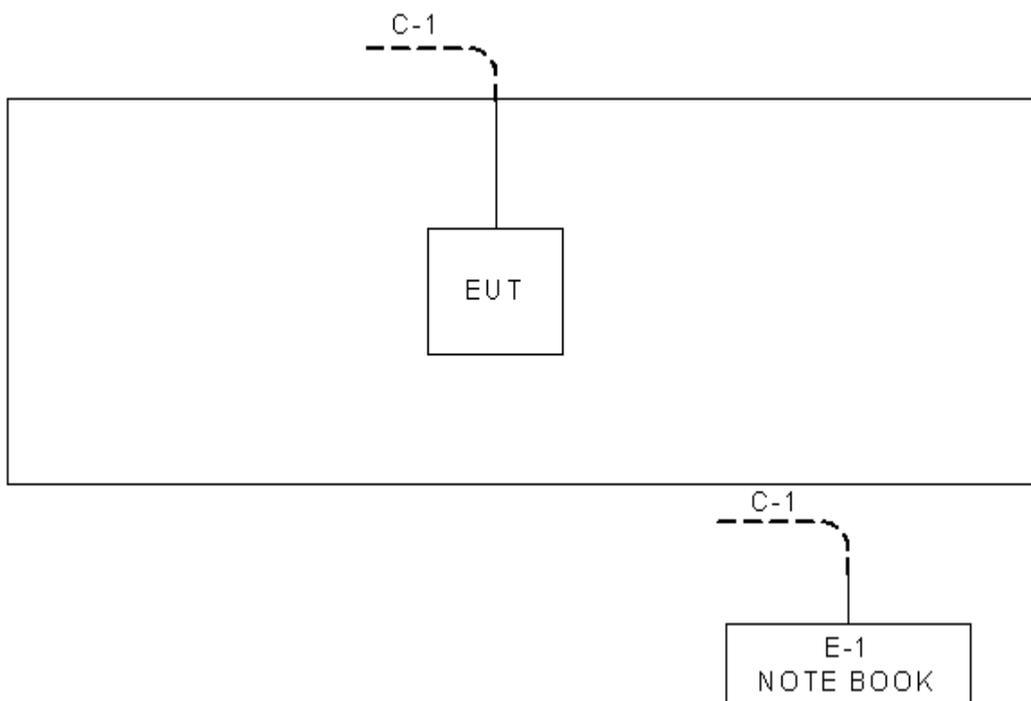
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : BPSK (13Mbps)
 802.11n HT40 mode : BPSK (27Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.
- (4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	N/A		
Frequency (MHz)	2412	2437	2462
802.11b	14	13.5	13.5
802.11g	14	13.5	13.5
802.11n (20MHz)	14.5	13.5	13.5
Frequency	2422	2437	2452
802.11n (40MHz)	14	14	13.5

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.
E-1	NOTE BOOK	DELL	H2510	DOC	SS07999198

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NA	NA	10m	RJ45 cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 -0.5	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

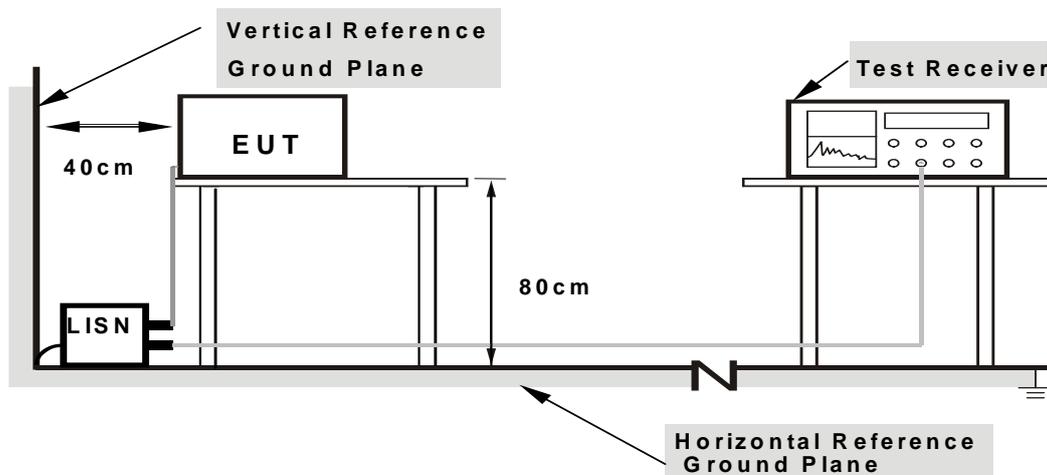
4.1.2 TEST PROCEDURE

- 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 cm 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: 24°C Relative Humidity: 58% 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

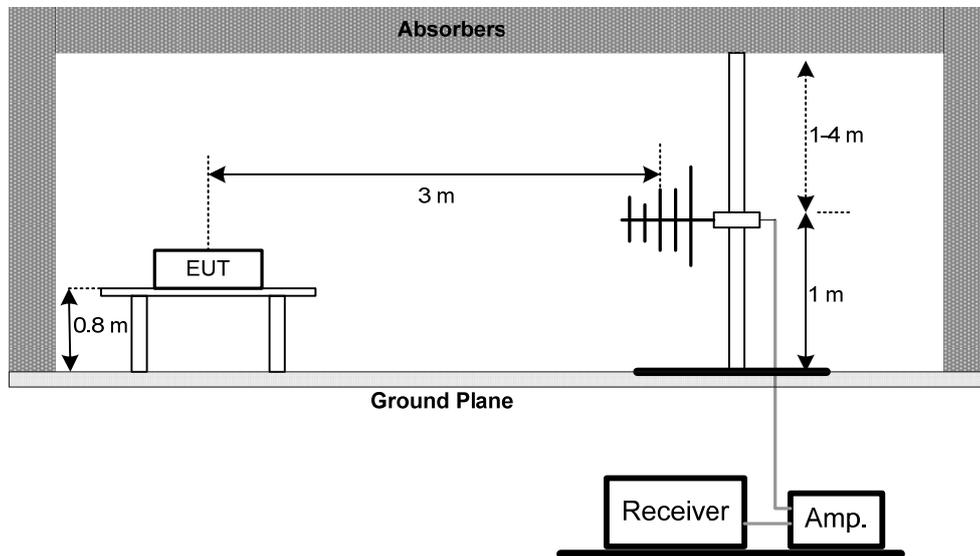
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance 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 0.8 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 radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. 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 –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

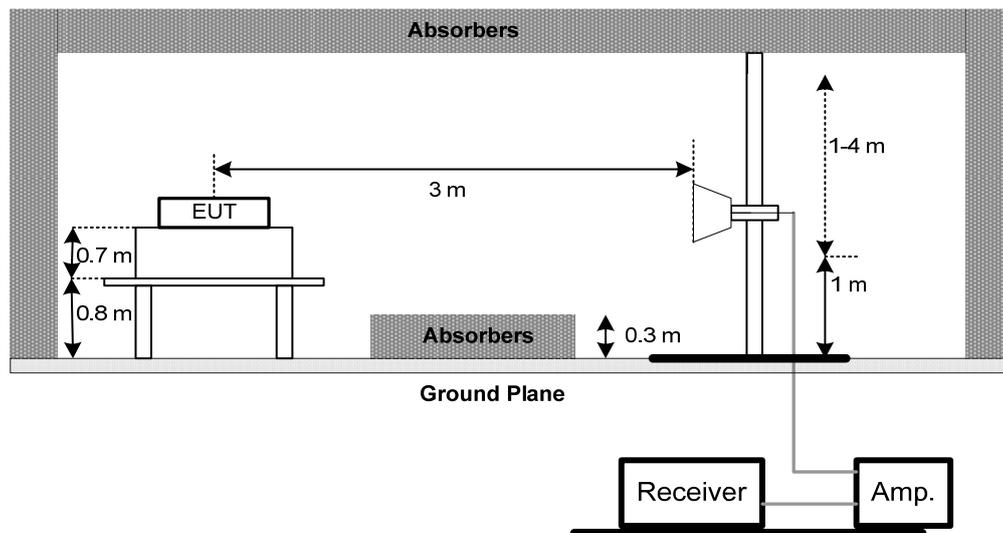
No deviation

4.2.4 TEST SETUP

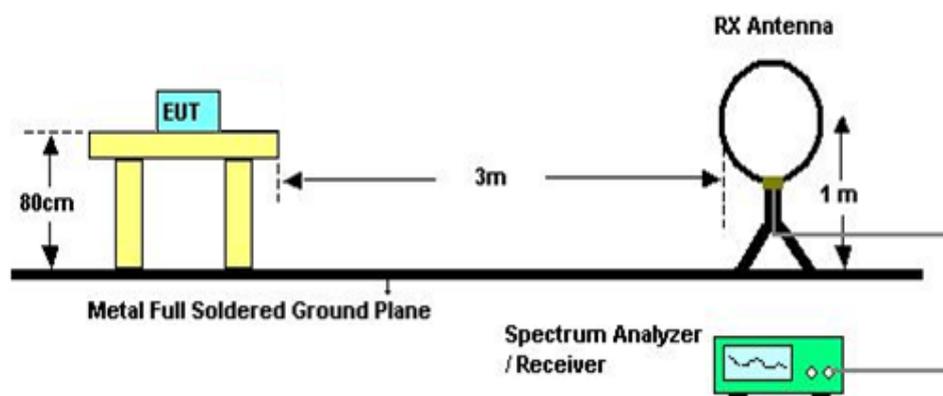
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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: 23°C Relative Humidity: 60% 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: 22°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: 22°C Relative Humidity: 58% 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: 22°C Relative Humidity: 58% 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: 22°C Relative Humidity: 58% 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. 28, 2016
2	LISN	R&S	ENV216	101447	Mar. 28, 2016
3	Test Cable	emci	RG223(9KHz-30 MHz)	C_17	Mar. 13, 2016
4	EMI Test Receiver	R&S	ESCS30	826547/022	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122901	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. 09, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 28, 2016
5	Antenna	ETS	3115	00075789	Mar. 28, 2016
6	Amplifier	Agilent	8449B	3008A02274	Nov. 01, 2016
7	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
8	Test Cable	emci	EMC104-SM-SM-10000(1GHz – 26.5GHz)	C-68	Jun. 28, 2016
9	Controller	CT	SC100	N/A	N/A
10	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
11	Microwave Pre-amplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 28, 2016
12	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 07, 2016
13	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016
2	Test Cable	emci	EMC104-SM-SM-9000(0.01GHz – 26.5GHz)	C-100	N/A

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Mar. 28, 2016
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	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	Oct. 11, 2016
2	Test Cable	emci	EMC104-SM-SM-9000(0.01GHz – 26.5GHz)	C-100	N/A

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016
2	Test Cable	emci	EMC104-SM-SM-9000(0.01GHz – 26.5GHz)	C-100	N/A

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



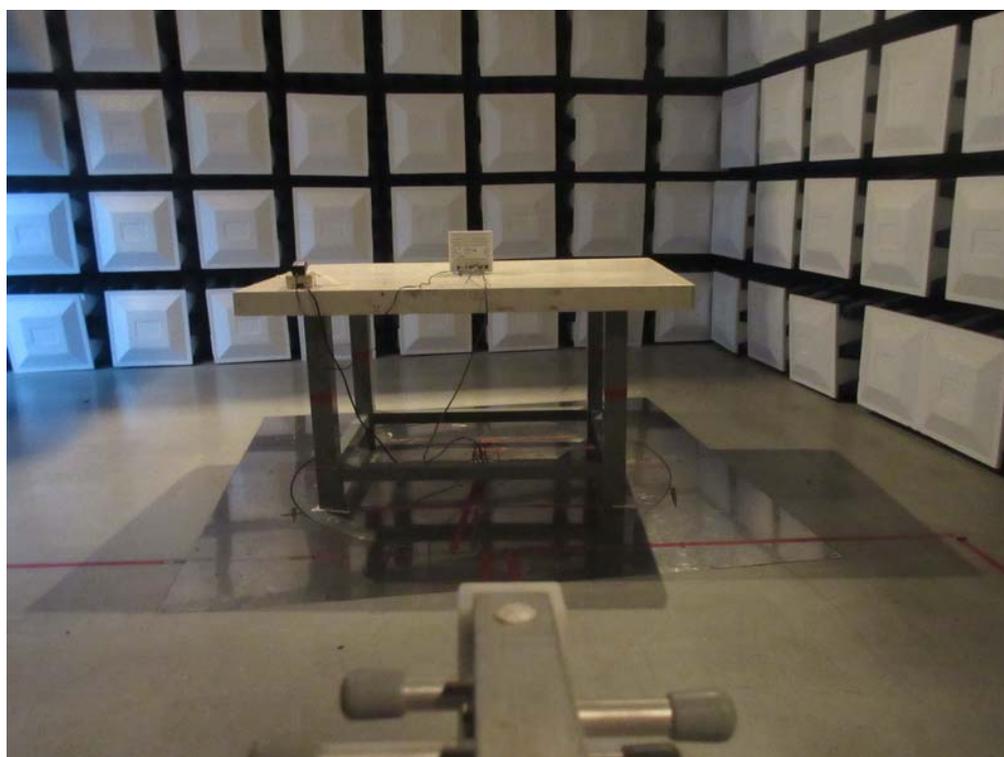
Radiated Measurement Photos

9KHz to 30MHz



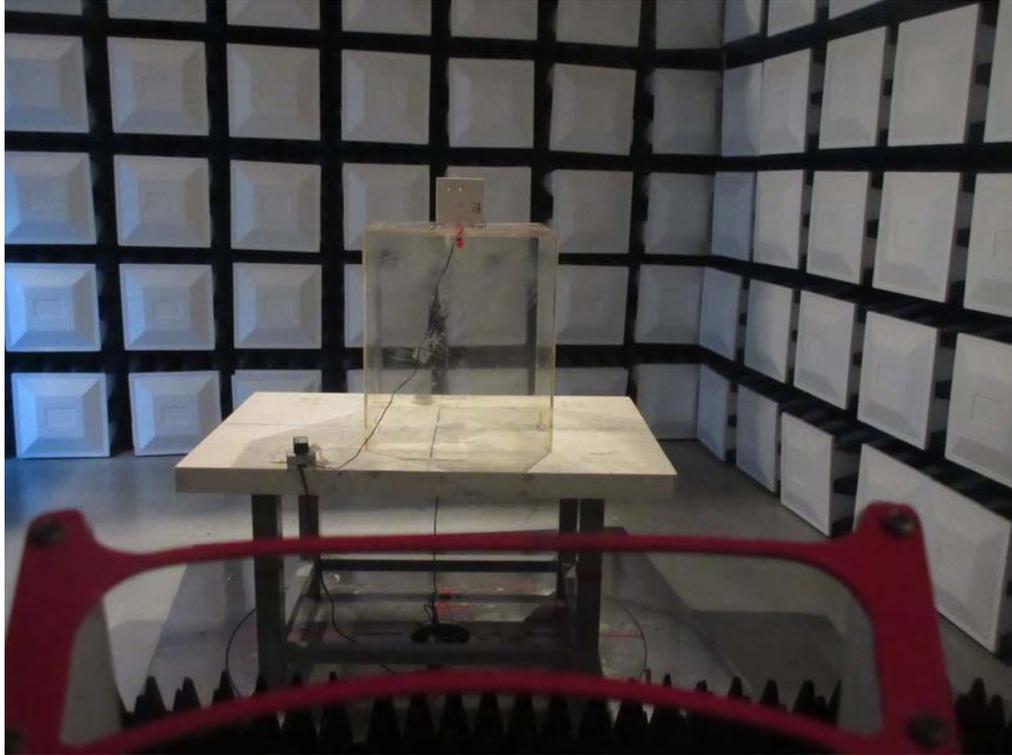
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

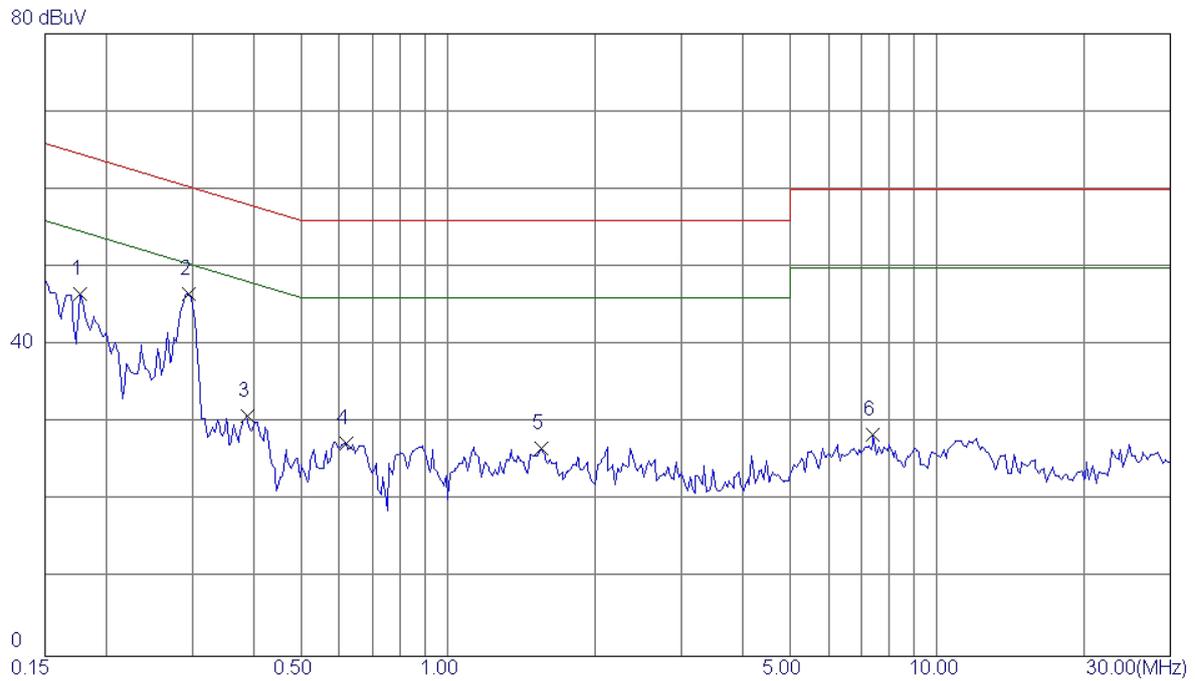
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : Normal Link

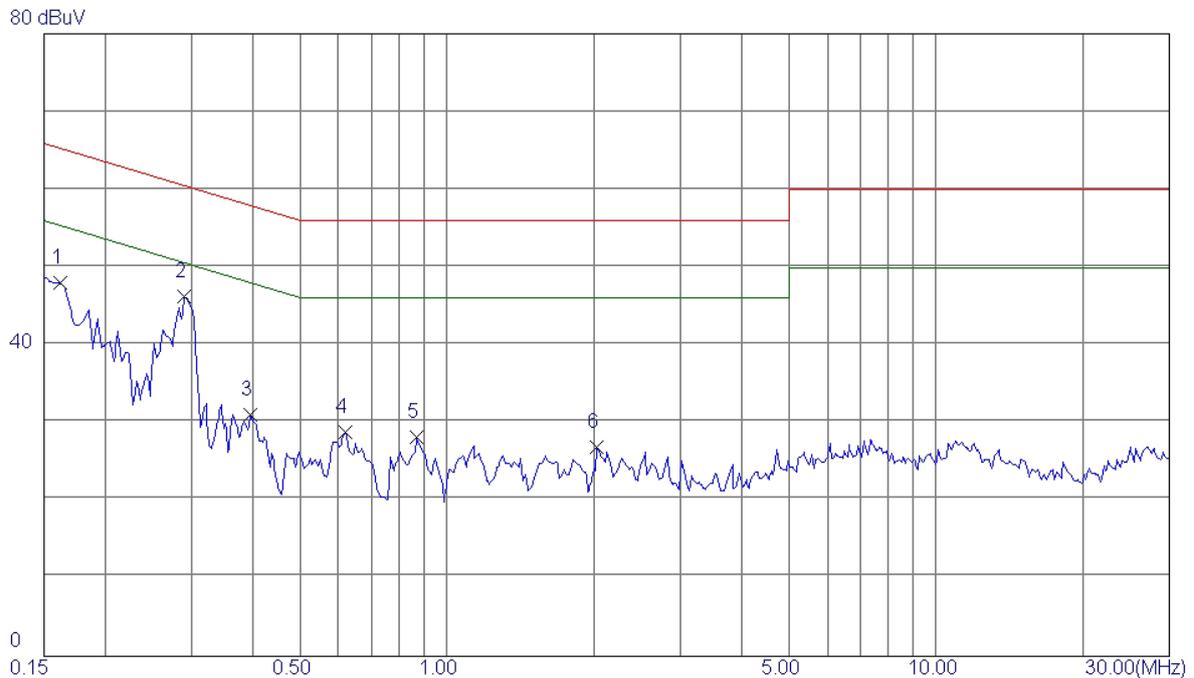
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1773	37.03	9.56	46.59	64.61	-18.02	Peak	
2	0.2945	36.94	9.64	46.58	60.40	-13.82	Peak	
3	0.3883	21.14	9.67	30.81	58.10	-27.29	Peak	
4	0.6188	17.71	9.72	27.43	56.00	-28.57	Peak	
5	1.5484	16.90	9.85	26.75	56.00	-29.25	Peak	
6	7.4102	18.55	9.91	28.46	60.00	-31.54	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	0.1617	38.55	9.48	48.03	65.38	-17.35	Peak	
2	0.2906	36.77	9.52	46.29	60.51	-14.22	Peak	
3	0.3961	21.47	9.53	31.00	57.93	-26.93	Peak	
4	0.6188	19.32	9.55	28.87	56.00	-27.13	Peak	
5	0.8648	18.54	9.58	28.12	56.00	-27.88	Peak	
6	2.0250	17.15	9.72	26.87	56.00	-29.13	Peak	

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

Test Mode:	TX B MODE CHANNEL 01
------------	----------------------

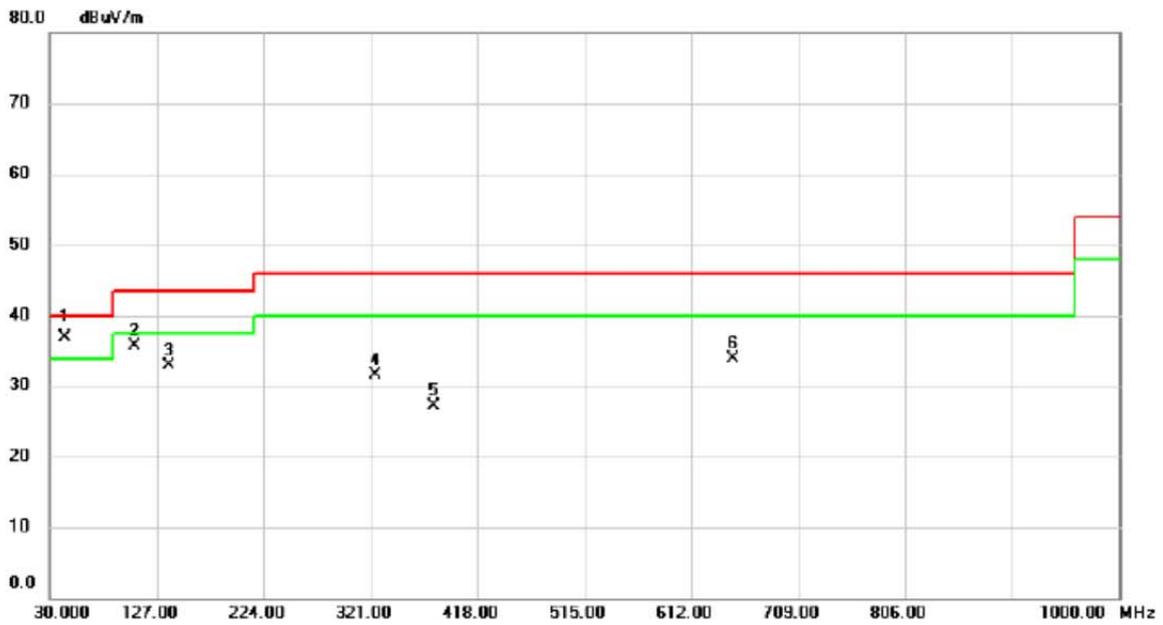
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0092	0°	13.72	24.9840	38.7040	128.3285	-89.6245	AVG
0.0092	0°	14.67	24.9840	39.6540	148.3285	-108.6745	PEAK
0.0221	0°	6.11	24.1670	30.2770	120.7164	-90.4394	AVG
0.0221	0°	8.43	24.1670	32.5970	140.7164	-108.1194	PEAK
0.0311	0°	3.79	23.5970	27.3870	117.7490	-90.3620	AVG
0.0311	0°	5.61	23.5970	29.2070	137.7490	-108.5420	PEAK
0.0428	0°	1.89	22.8560	24.7460	114.9753	-90.2293	AVG
0.0428	0°	2.12	22.8560	24.9760	134.9753	-109.9993	PEAK
0.4974	0°	19.64	19.8062	39.4462	73.6701	-34.2239	QP
1.7193	0°	23.33	19.5281	42.8581	69.5400	-26.6819	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0097	90°	13.74	24.3000	38.0400	127.8688	-89.8288	AVG
0.0097	90°	14.55	24.3000	38.8500	147.8688	-109.0188	PEAK
0.0254	90°	7.34	23.9580	31.2980	119.5076	-88.2096	AVG
0.0254	90°	8.14	23.9580	32.0980	139.5076	-107.4096	PEAK
0.0337	90°	5.75	23.4323	29.1823	117.0516	-87.8693	AVG
0.0337	90°	6.67	23.4323	30.1023	137.0516	-106.9493	PEAK
0.0491	90°	1.97	22.4570	24.4270	113.7826	-89.3556	AVG
0.0491	90°	2.18	22.4570	24.6370	133.7826	-109.1456	PEAK
0.4966	90°	22.3	19.8082	42.1082	73.6841	-31.5759	QP
1.7681	90°	24.15	19.5232	43.6732	69.5400	-25.8668	QP

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

Test Mode: TX B MODE CHANNEL 01

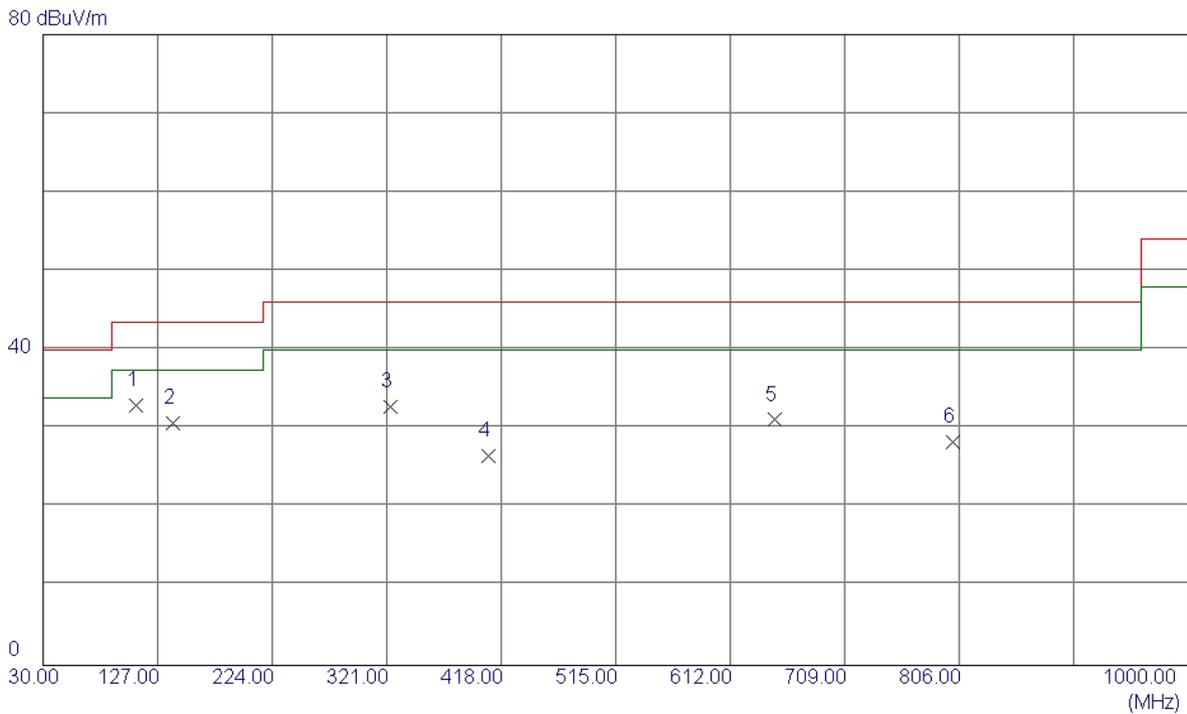
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	43.5800	48.92	-12.04	36.88	40.00	-3.12	QP	
2		106.6300	49.89	-14.10	35.79	43.50	-7.71	peak	
3		138.6400	44.55	-11.56	32.99	43.50	-10.51	peak	
4		324.8800	41.34	-9.75	31.59	46.00	-14.41	peak	
5		378.2300	35.61	-8.42	27.19	46.00	-18.81	peak	
6		649.8300	35.62	-1.65	33.97	46.00	-12.03	peak	

Test Mode: TX B MODE CHANNEL 01

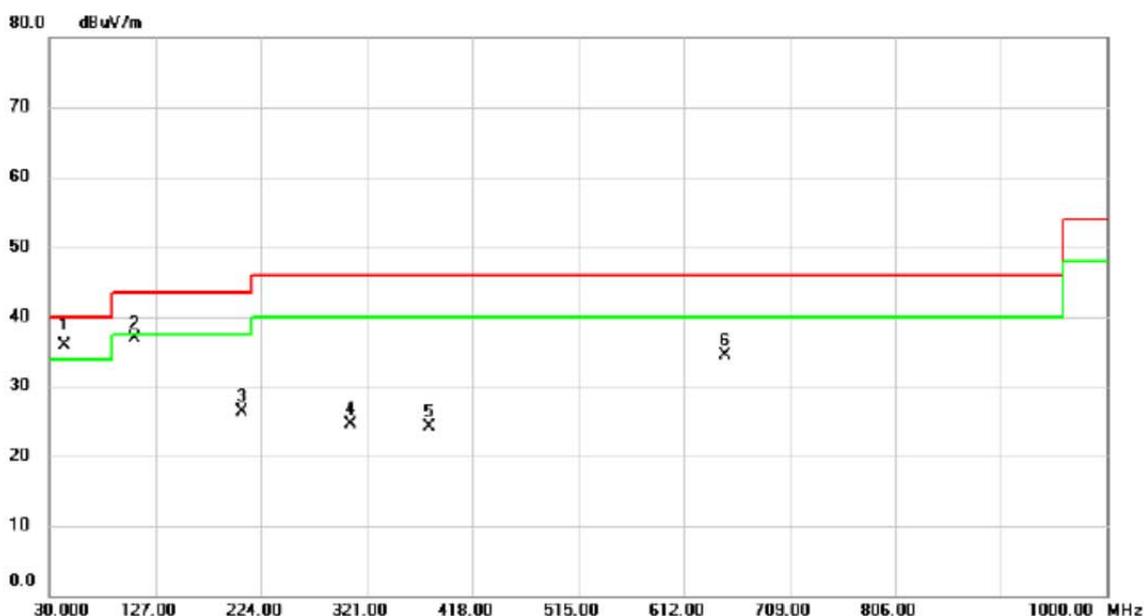
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	108.5700	46.85	-13.93	32.92	43.50	-10.58	Peak	
2	139.6100	42.30	-11.56	30.74	43.50	-12.76	Peak	
3	323.9100	42.50	-9.74	32.76	46.00	-13.24	Peak	
4	407.3299	33.63	-7.06	26.57	46.00	-19.43	Peak	
5	649.8300	32.77	-1.65	31.12	46.00	-14.88	Peak	
6	800.1800	28.15	0.16	28.31	46.00	-17.69	Peak	

Test Mode: TX B MODE CHANNEL 06

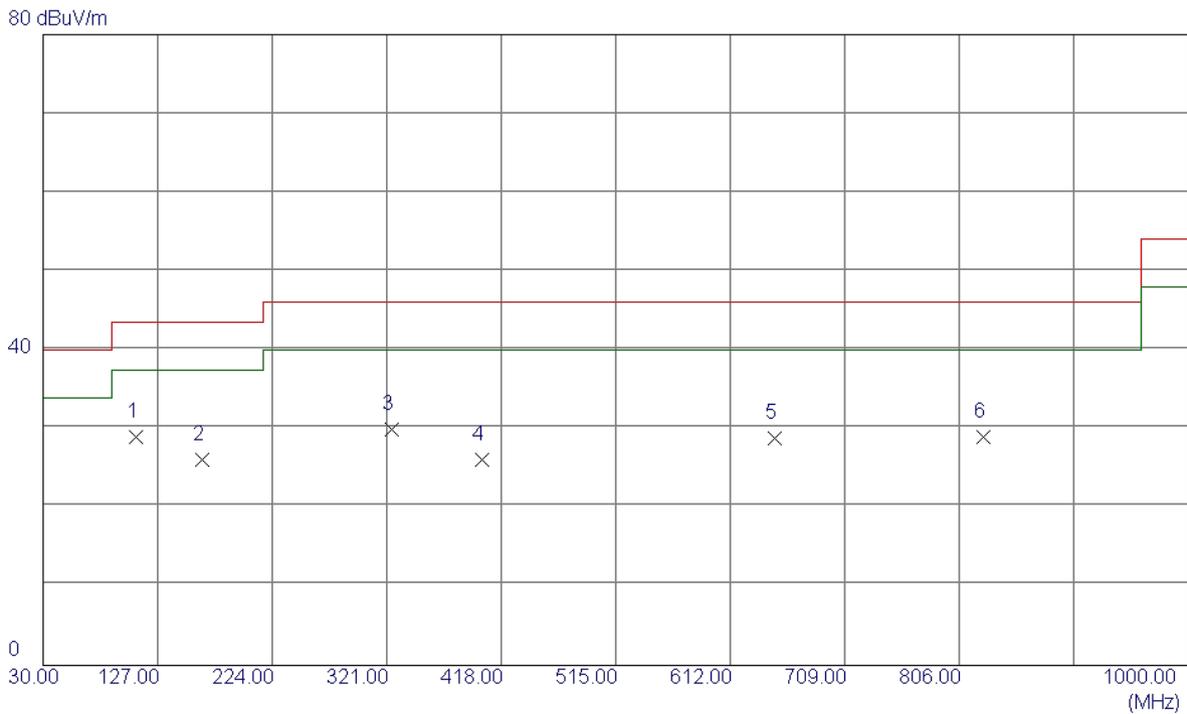
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	43.5800	47.86	-12.04	35.82	40.00	-4.18	QP	
2		108.5700	50.75	-13.92	36.83	43.50	-6.67	peak	
3		206.5400	39.94	-13.67	26.27	43.50	-17.23	peak	
4		305.4800	34.04	-9.63	24.41	46.00	-21.59	peak	
5		378.2300	32.43	-8.42	24.01	46.00	-21.99	peak	
6		649.8300	36.19	-1.65	34.54	46.00	-11.46	peak	

Test Mode: TX B MODE CHANNEL 06

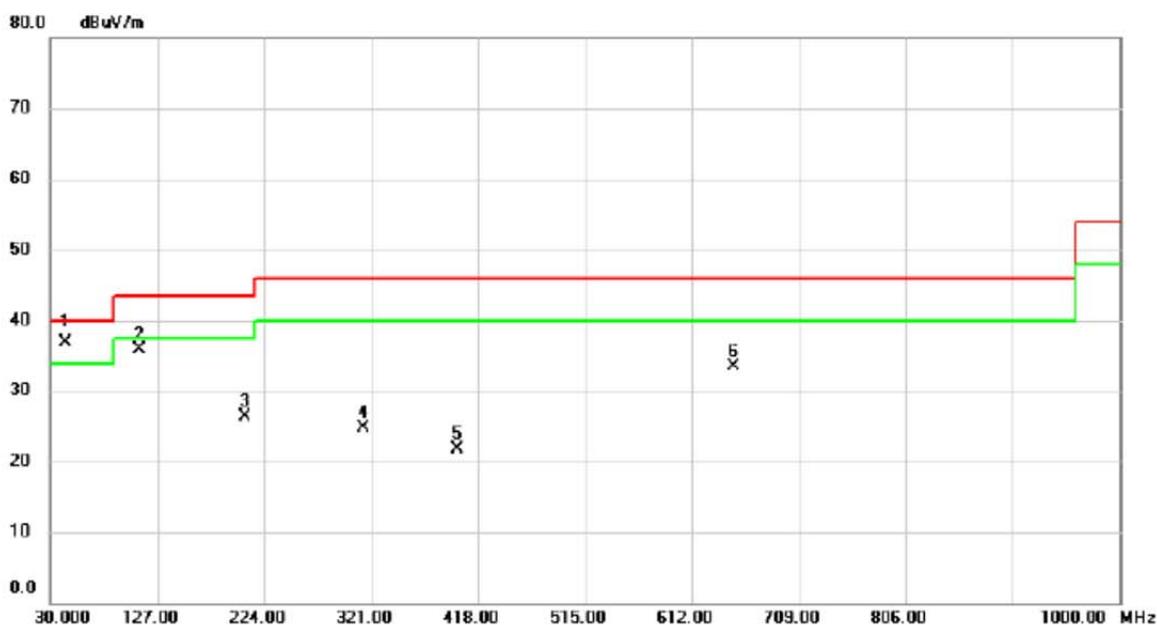
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	108.5700	42.85	-13.93	28.92	43.50	-14.58	Peak	
2	164.8300	37.77	-11.71	26.06	43.50	-17.44	Peak	
3	324.8800	39.64	-9.75	29.89	46.00	-16.11	Peak	
4	401.5100	33.30	-7.22	26.08	46.00	-19.92	Peak	
5	649.8300	30.44	-1.65	28.79	46.00	-17.21	Peak	
6	826.3700	28.86	0.14	29.00	46.00	-17.00	Peak	

Test Mode: TX B MODE CHANNEL 11

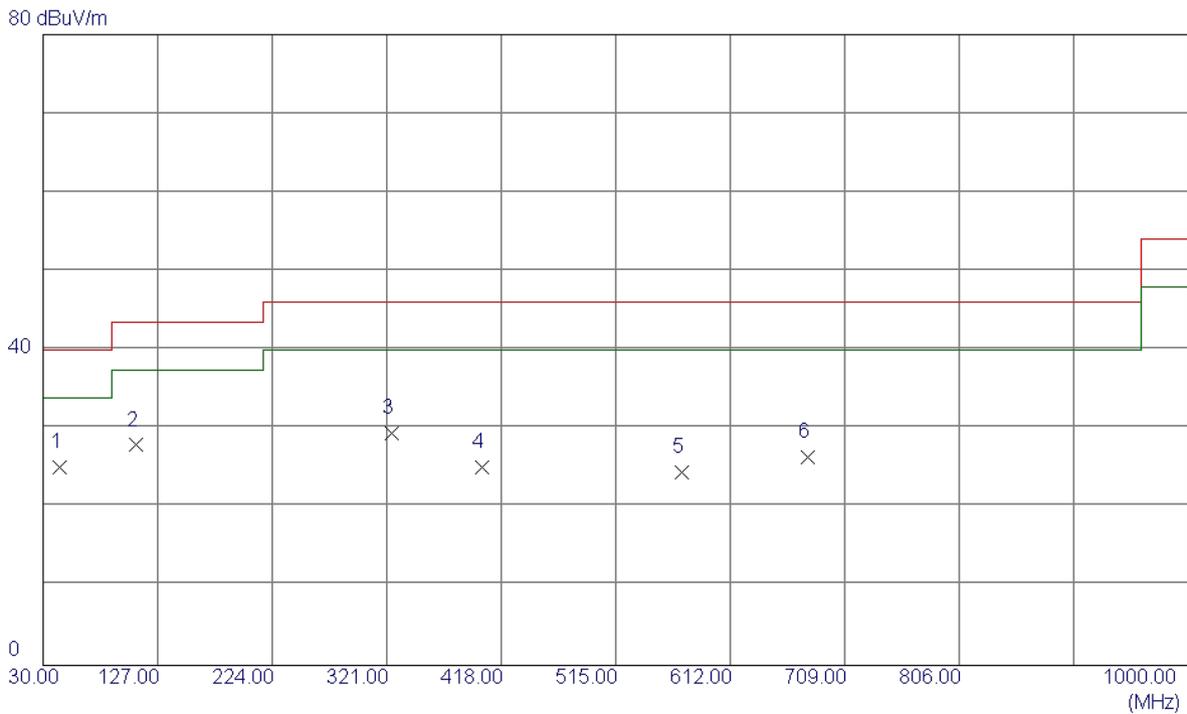
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	43.5800	48.90	-12.04	36.86	40.00	-3.14	QP	
2		110.5100	49.63	-13.74	35.89	43.50	-7.61	peak	
3		206.5400	39.94	-13.67	26.27	43.50	-17.23	peak	
4		314.2100	34.35	-9.68	24.67	46.00	-21.33	peak	
5		399.5700	28.95	-7.28	21.67	46.00	-24.33	peak	
6		649.8300	35.19	-1.65	33.54	46.00	-12.46	peak	

Test Mode: TX B MODE CHANNEL 11

Horizontal

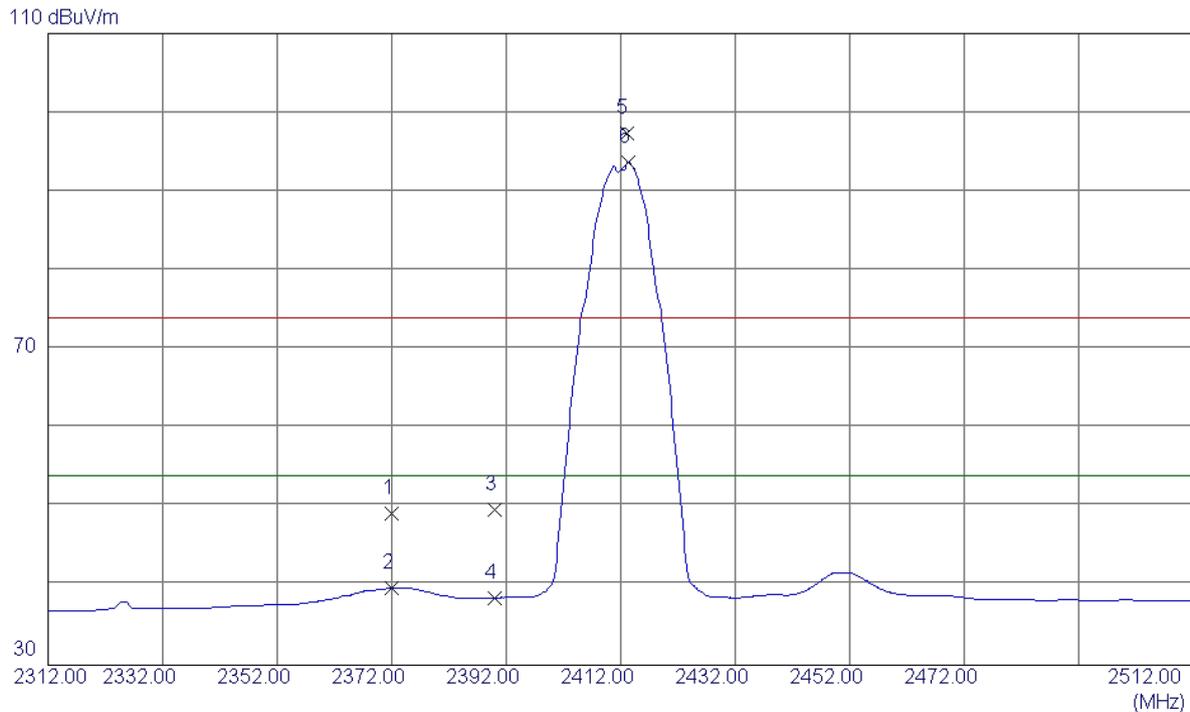


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	43.5800	37.17	-12.04	25.13	40.00	-14.87	Peak	
2	108.5700	41.85	-13.93	27.92	43.50	-15.58	Peak	
3	324.8800	39.14	-9.75	29.39	46.00	-16.61	Peak	
4	401.5100	32.30	-7.22	25.08	46.00	-20.92	Peak	
5	571.2600	29.18	-4.63	24.55	46.00	-21.45	Peak	
6	677.9600	27.95	-1.54	26.41	46.00	-19.59	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

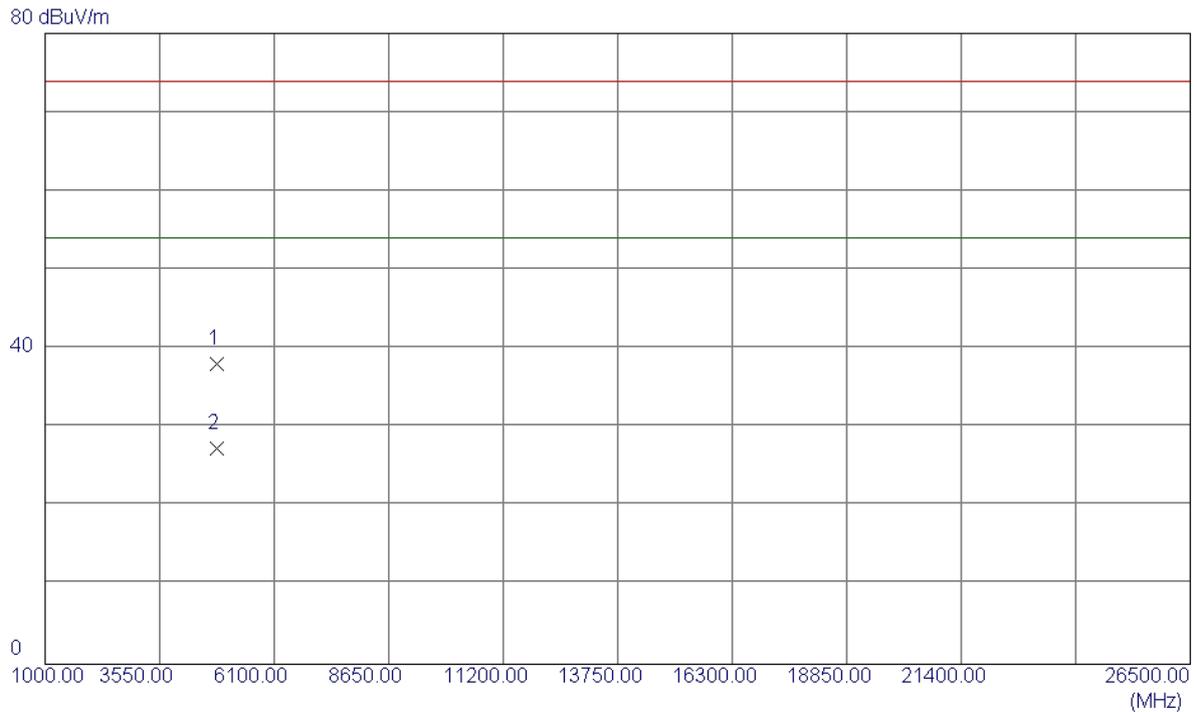
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2372.0000	15.07	34.13	49.20	74.00	-24.80	Peak	
2	2372.0000	5.65	34.13	39.78	54.00	-14.22	AVG	
3	2390.0000	15.39	34.23	49.62	74.00	-24.38	Peak	
4	2390.0000	4.29	34.23	38.52	54.00	-15.48	AVG	
5	2413.0000	62.96	34.37	97.33	74.00	23.33	Peak	No Limit
6	2413.4000	59.35	34.37	93.72	54.00	39.72	AVG	No Limit

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

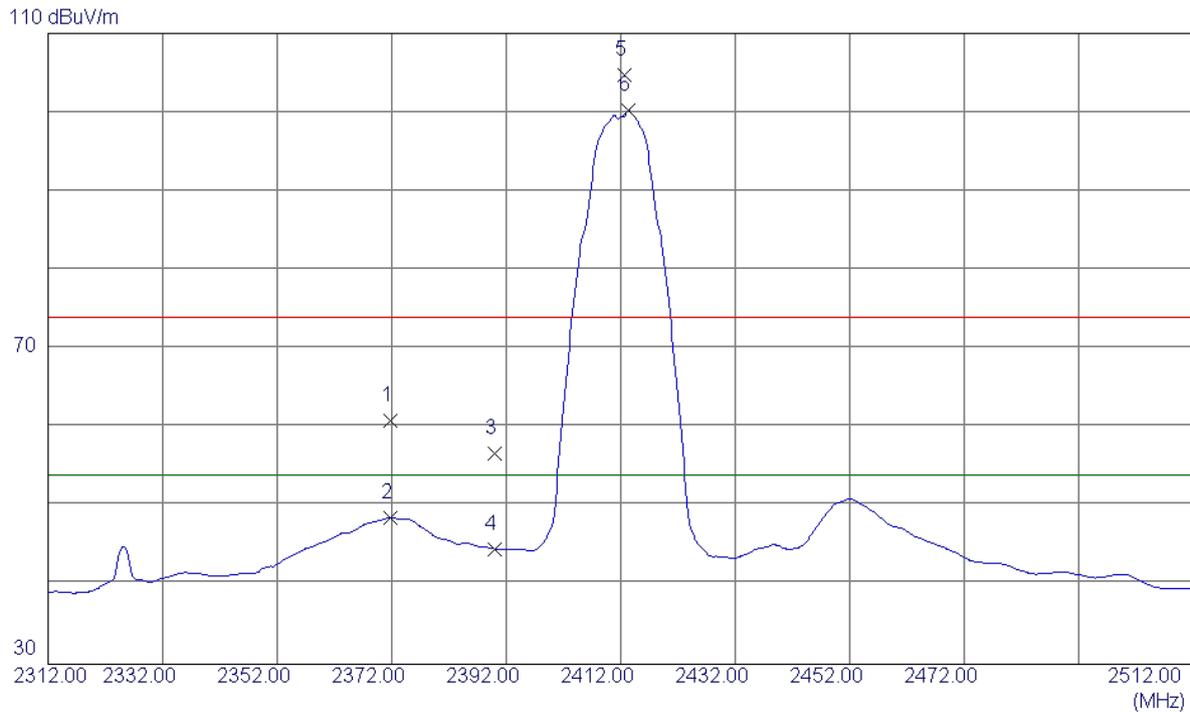
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.6000	35.07	3.00	38.07	74.00	-35.93	Peak	
2	4824.1000	24.31	3.00	27.31	54.00	-26.69	AVG	

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

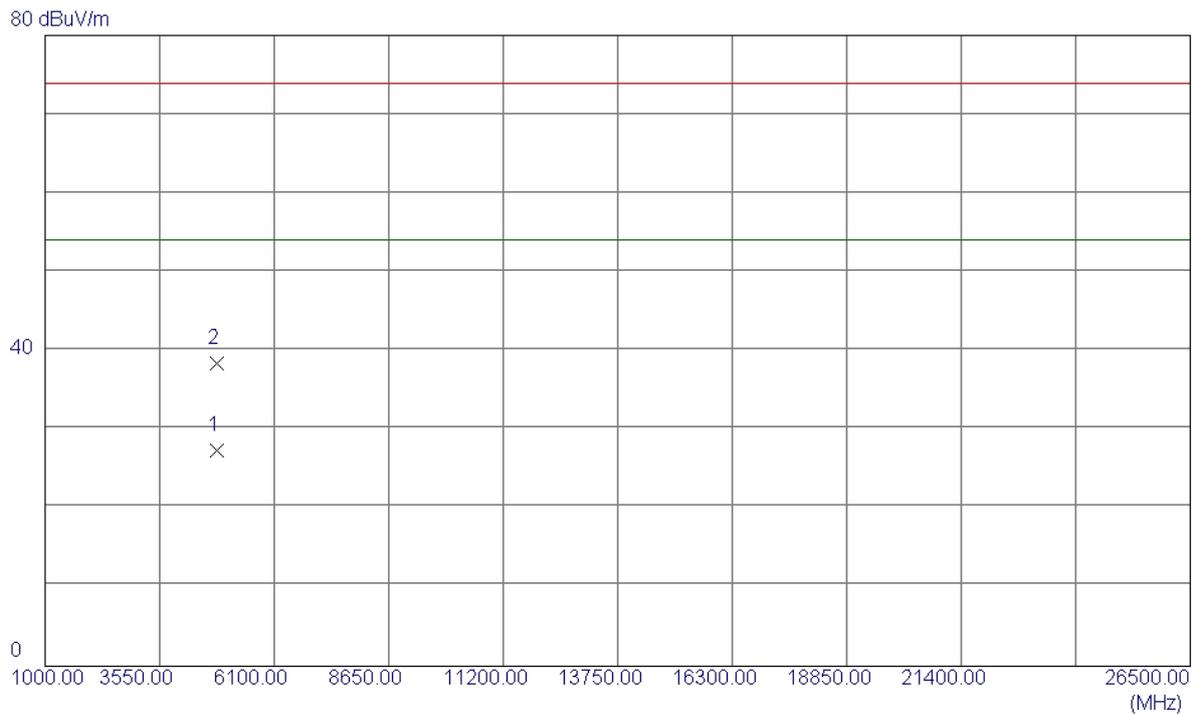
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2371.8000	26.74	34.13	60.87	74.00	-13.13	Peak	
2	2371.8000	14.45	34.13	48.58	54.00	-5.42	AVG	
3	2390.0000	22.42	34.23	56.65	74.00	-17.35	Peak	
4	2390.0000	10.39	34.23	44.62	54.00	-9.38	AVG	
5	2412.6000	70.39	34.36	104.75	74.00	30.75	Peak	No Limit
6	2413.4000	65.81	34.37	100.18	54.00	46.18	AVG	No Limit

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

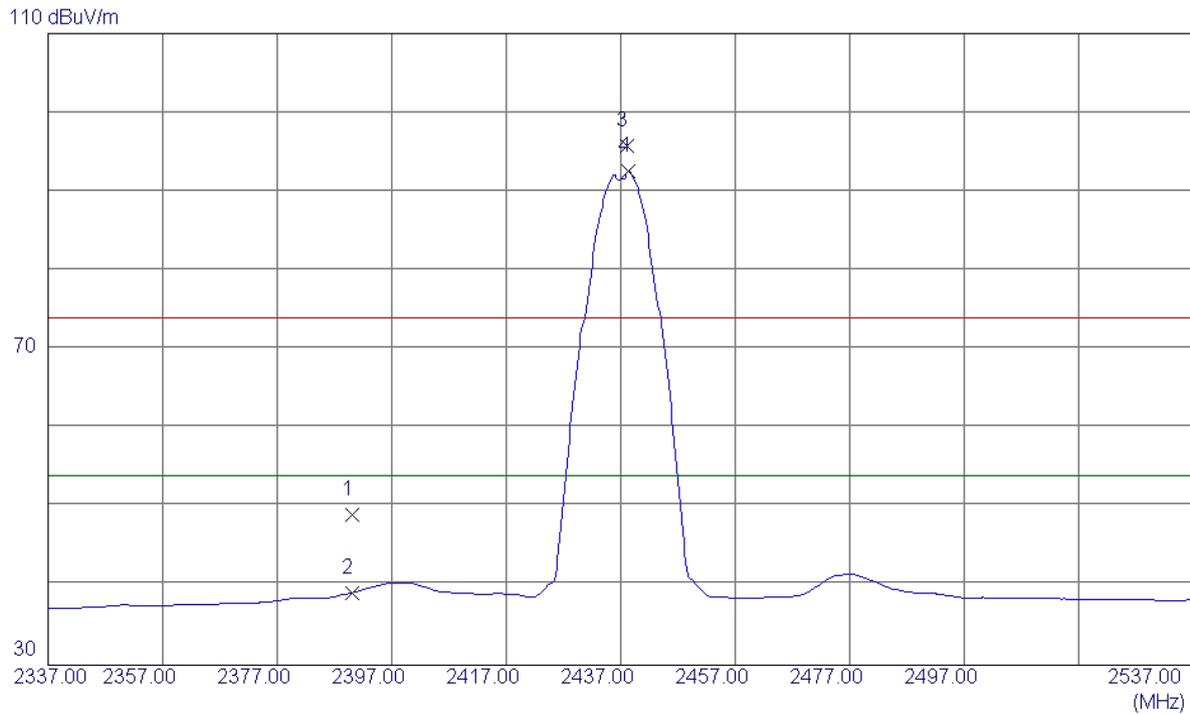
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.3000	24.35	3.00	27.35	54.00	-26.65	AVG	
2	4824.6000	35.36	3.00	38.36	74.00	-35.64	Peak	

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

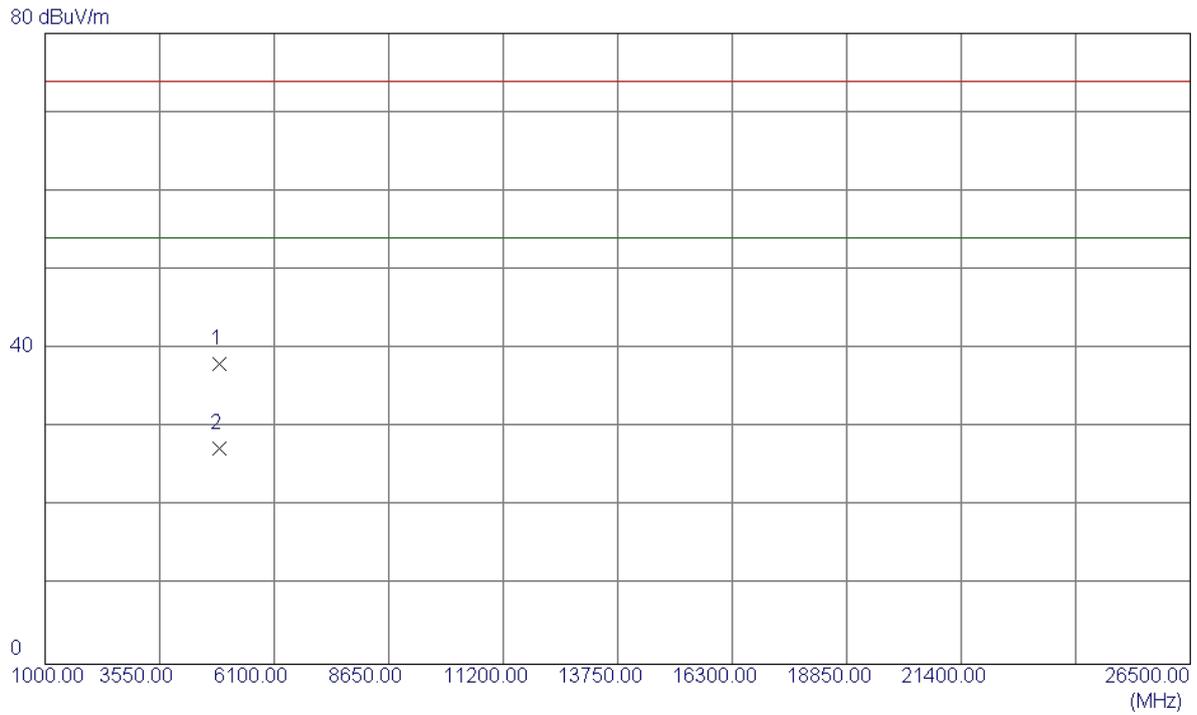
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	14.81	34.23	49.04	74.00	-24.96	Peak	
2	2390.0000	4.90	34.23	39.13	54.00	-14.87	AVG	
3	2438.0000	61.31	34.51	95.82	74.00	21.82	Peak	No Limit
4	2438.4000	58.05	34.51	92.56	54.00	38.56	AVG	No Limit

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

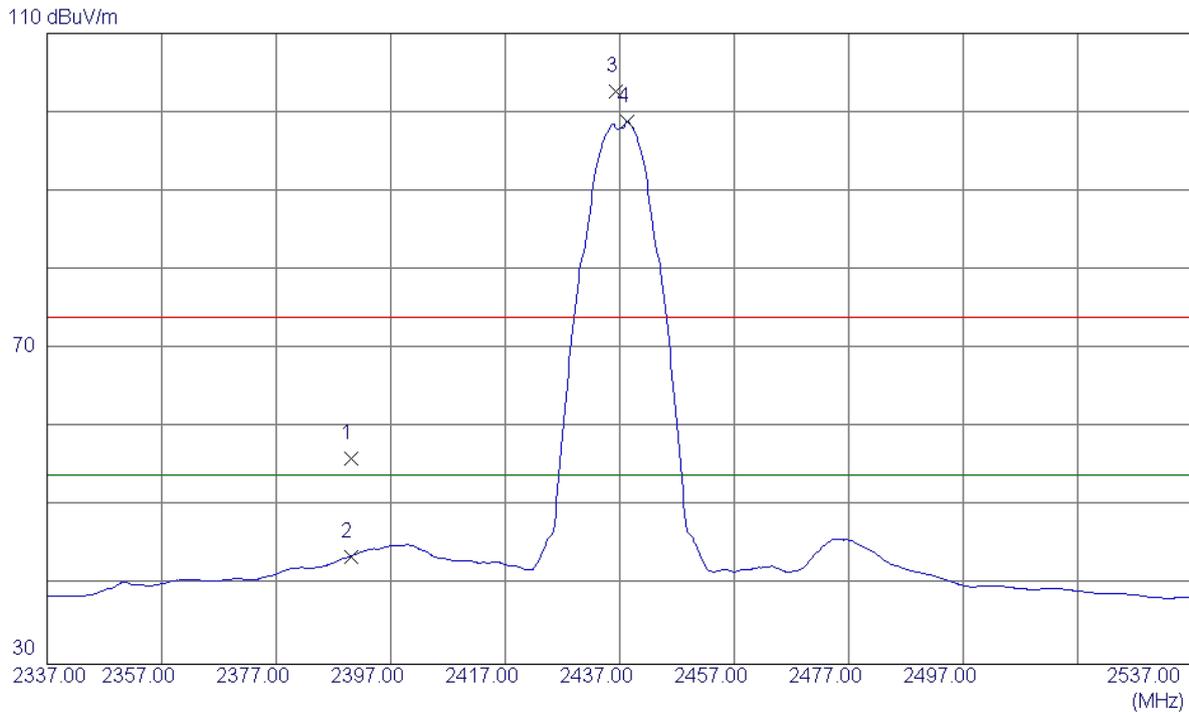
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.1140	35.04	3.03	38.07	74.00	-35.93	Peak	
2	4874.0080	24.28	3.03	27.31	54.00	-26.69	AVG	

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

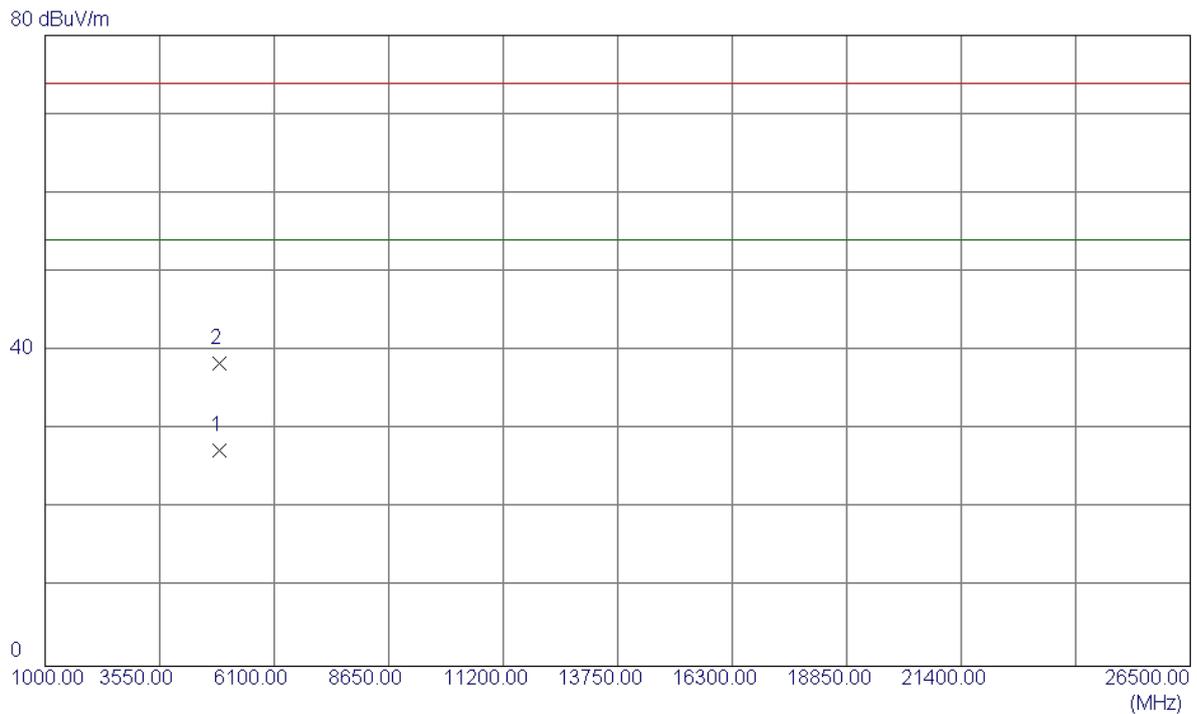
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	21.87	34.23	56.10	74.00	-17.90	Peak	
2	2390.0000	9.42	34.23	43.65	54.00	-10.35	AVG	
3	2436.4000	68.09	34.50	102.59	74.00	28.59	Peak	No Limit
4	2438.4000	64.31	34.51	98.82	54.00	44.82	AVG	No Limit

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

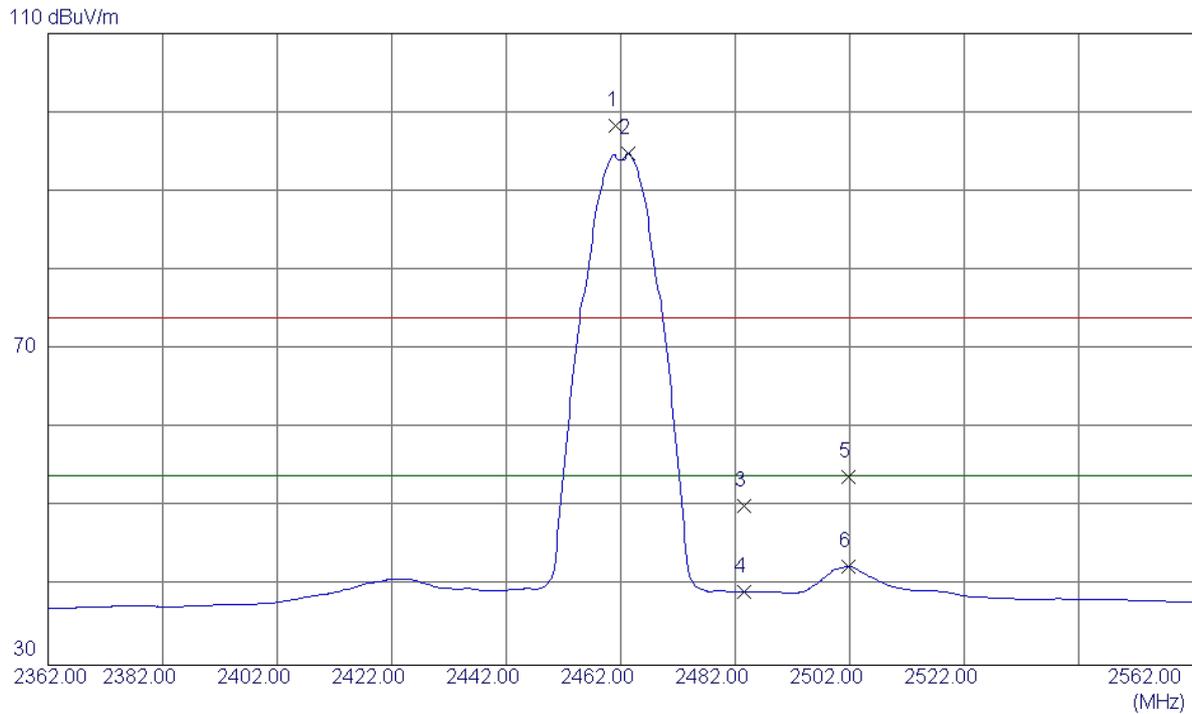
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0560	24.32	3.03	27.35	54.00	-26.65	AVG	
2	4874.1030	35.33	3.03	38.36	74.00	-35.64	Peak	

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

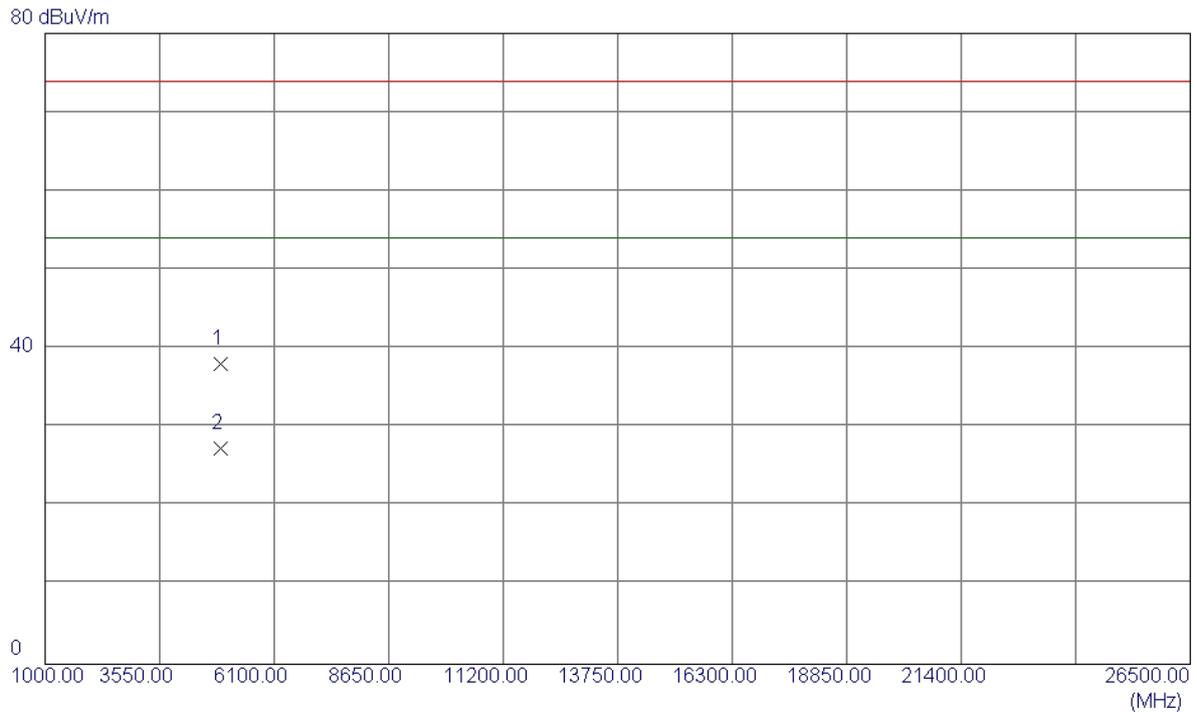
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.2000	63.66	34.64	98.30	74.00	24.30	Peak	No Limit
2	2463.4000	60.21	34.66	94.87	54.00	40.87	AVG	No Limit
3	2483.5000	15.42	34.77	50.19	74.00	-23.81	Peak	
4	2483.5000	4.54	34.77	39.31	54.00	-14.69	AVG	
5	2501.8000	19.05	34.86	53.91	74.00	-20.09	Peak	
6	2501.8000	7.61	34.86	42.47	54.00	-11.53	AVG	

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

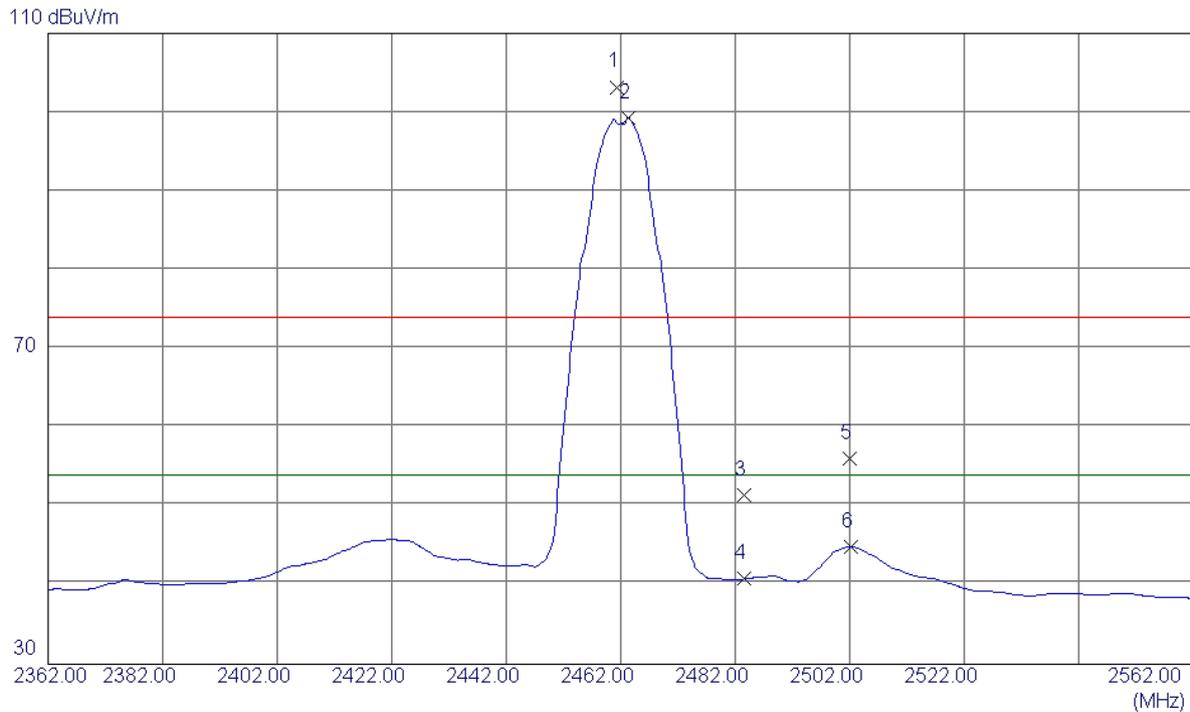
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.0800	35.02	3.05	38.07	74.00	-35.93	Peak	
2	4923.8790	24.26	3.05	27.31	54.00	-26.69	AVG	

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

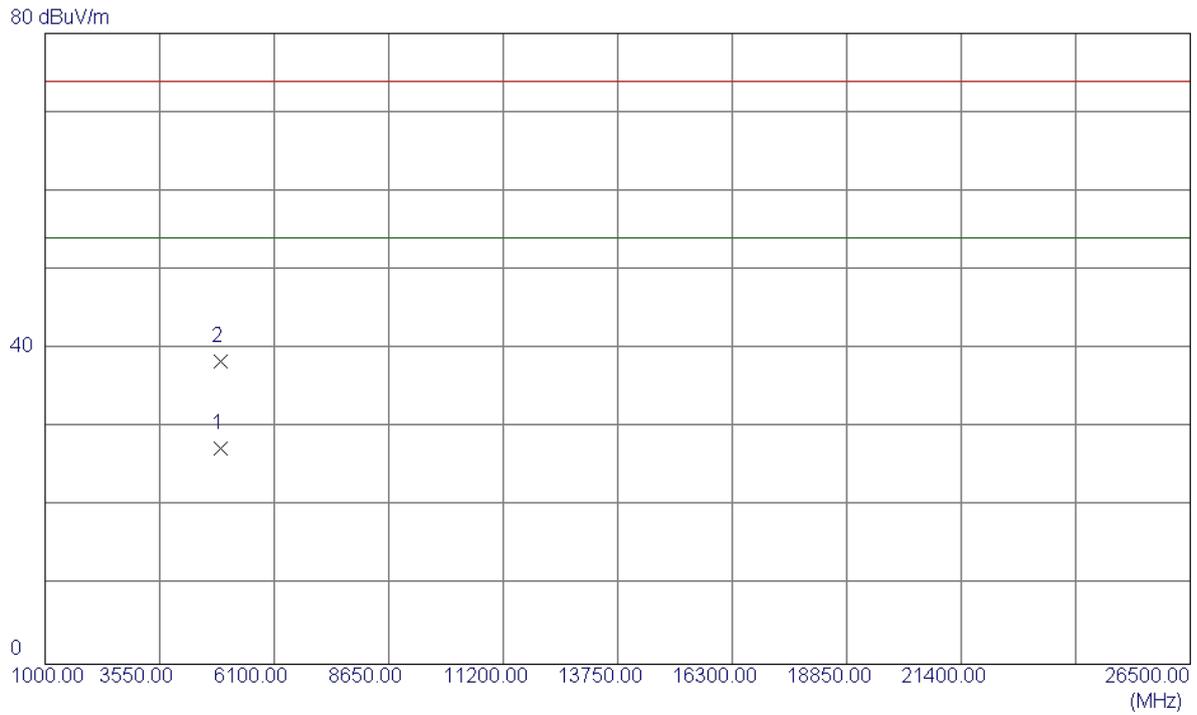
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.4000	68.55	34.65	103.20	74.00	29.20	Peak	No Limit
2	2463.4000	64.62	34.66	99.28	54.00	45.28	AVG	No Limit
3	2483.5000	16.63	34.77	51.40	74.00	-22.60	Peak	
4	2483.5000	6.04	34.77	40.81	54.00	-13.19	AVG	
5	2502.0000	21.23	34.86	56.09	74.00	-17.91	Peak	
6	2502.2000	10.04	34.86	44.90	54.00	-9.10	AVG	

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

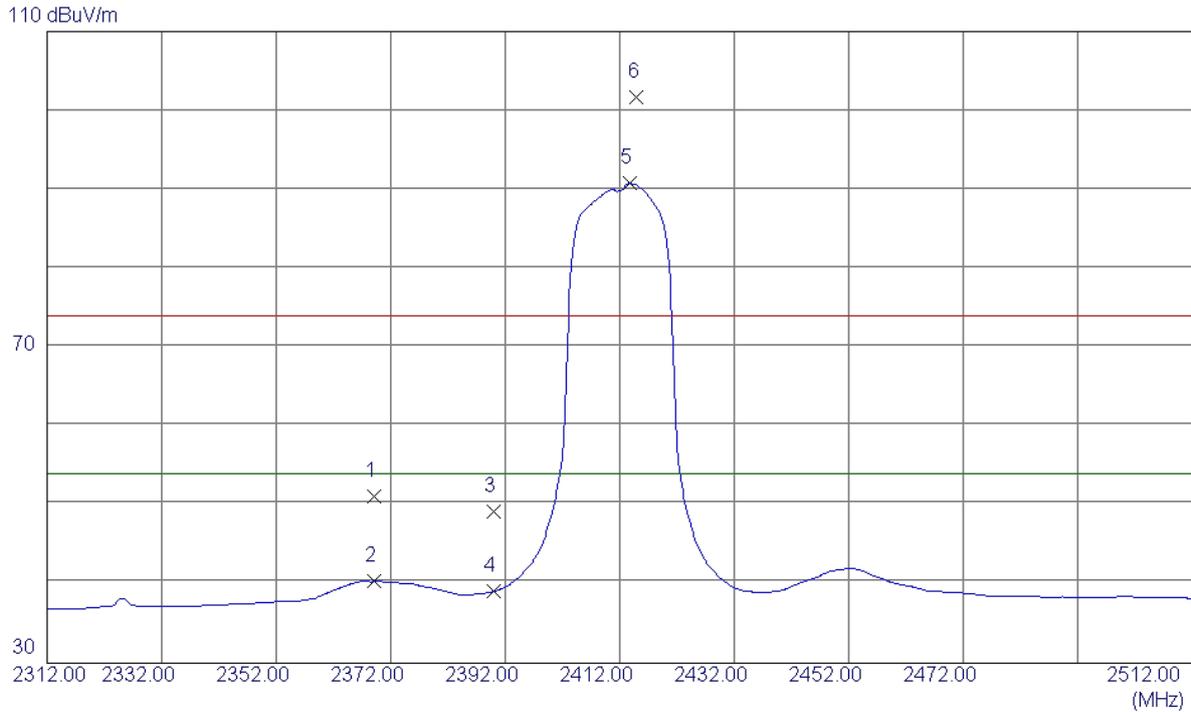
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.0130	24.30	3.05	27.35	54.00	-26.65	AVG	
2	4924.1509	35.31	3.05	38.36	74.00	-35.64	Peak	

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

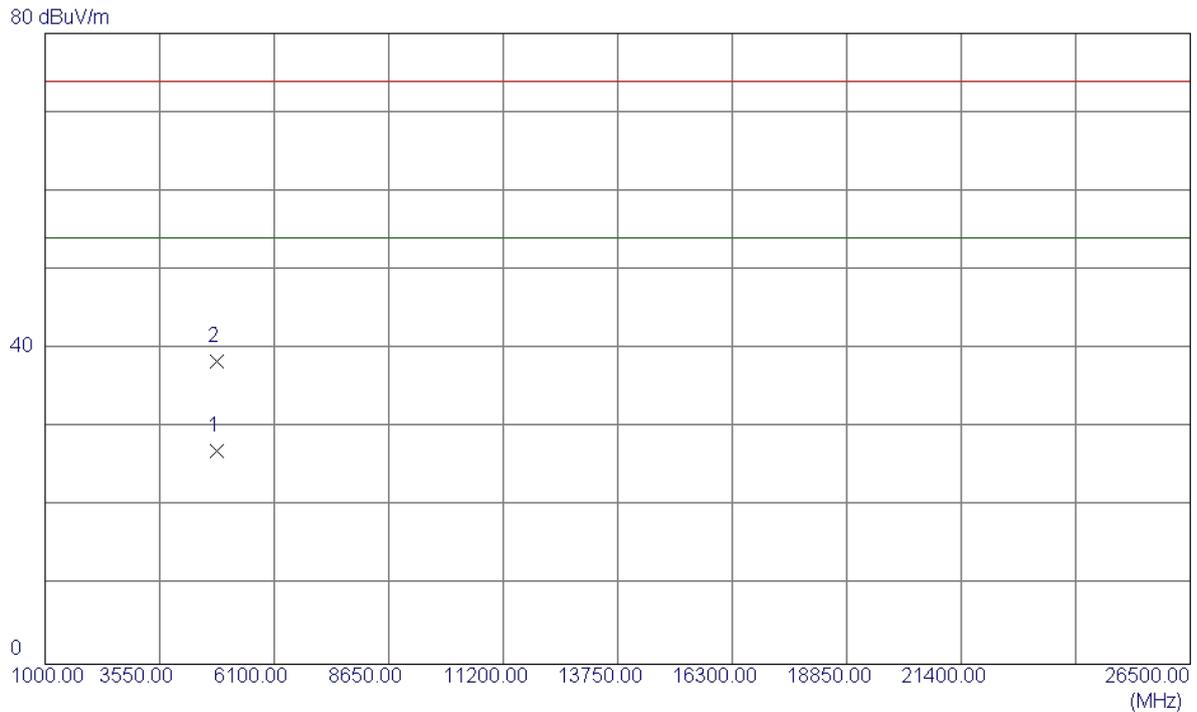
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2369.2000	17.07	34.11	51.18	74.00	-22.82	Peak	
2	2369.2000	6.27	34.11	40.38	54.00	-13.62	AVG	
3	2390.0000	15.04	34.23	49.27	74.00	-24.73	Peak	
4	2390.0000	4.87	34.23	39.10	54.00	-14.90	AVG	
5	2413.8000	56.38	34.37	90.75	54.00	36.75	AVG	No Limit
6	2415.0000	67.28	34.38	101.66	74.00	27.66	Peak	No Limit

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

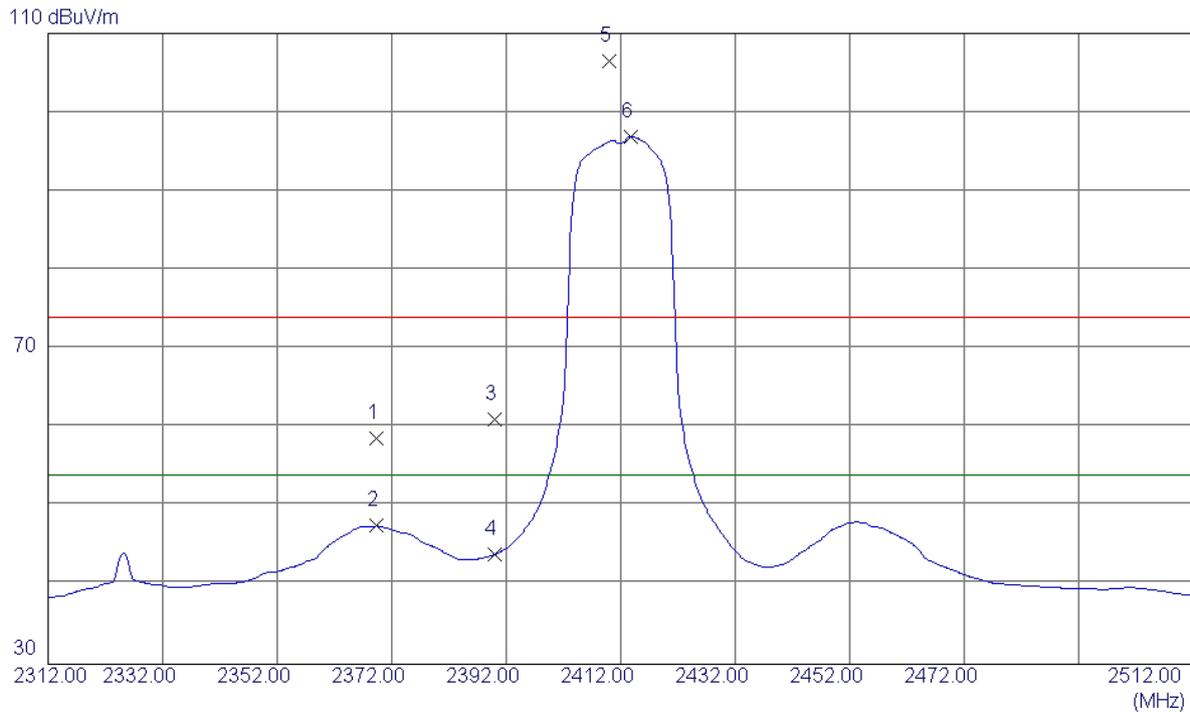
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.2050	24.04	3.00	27.04	54.00	-26.96	AVG	
2	4824.0400	35.34	3.00	38.34	74.00	-35.66	Peak	

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

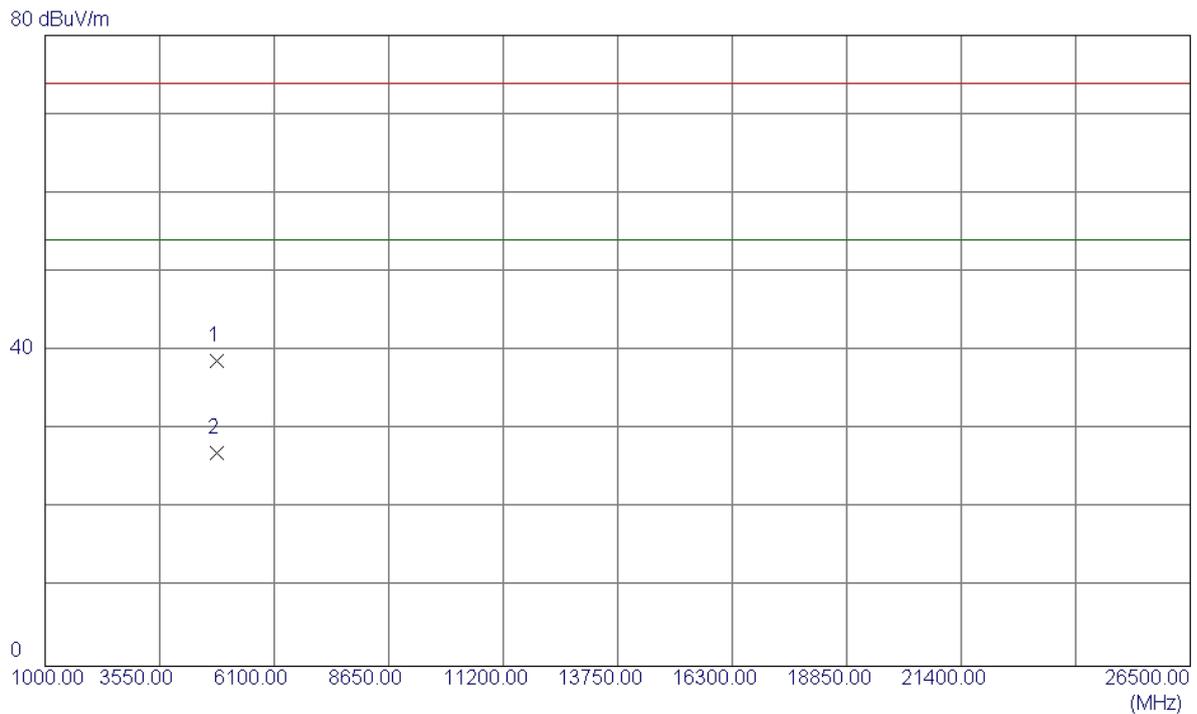
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2369.4000	24.51	34.11	58.62	74.00	-15.38	Peak	
2	2369.4000	13.42	34.11	47.53	54.00	-6.47	AVG	
3	2390.0000	26.86	34.23	61.09	74.00	-12.91	Peak	
4	2390.0000	9.68	34.23	43.91	54.00	-10.09	AVG	
5	2410.0000	72.12	34.35	106.47	74.00	32.47	Peak	No Limit
6	2413.8000	62.54	34.37	96.91	54.00	42.91	AVG	No Limit

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

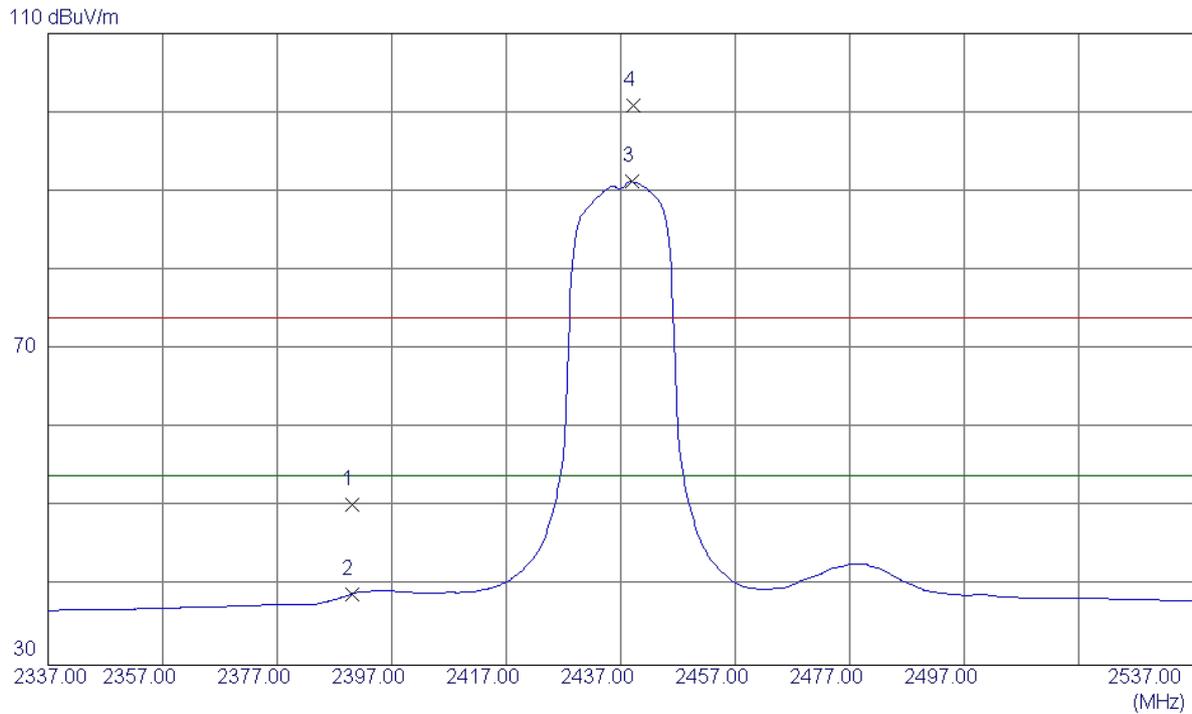
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.0400	35.71	3.00	38.71	74.00	-35.29	Peak	
2	4824.1080	23.99	3.00	26.99	54.00	-27.01	AVG	

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

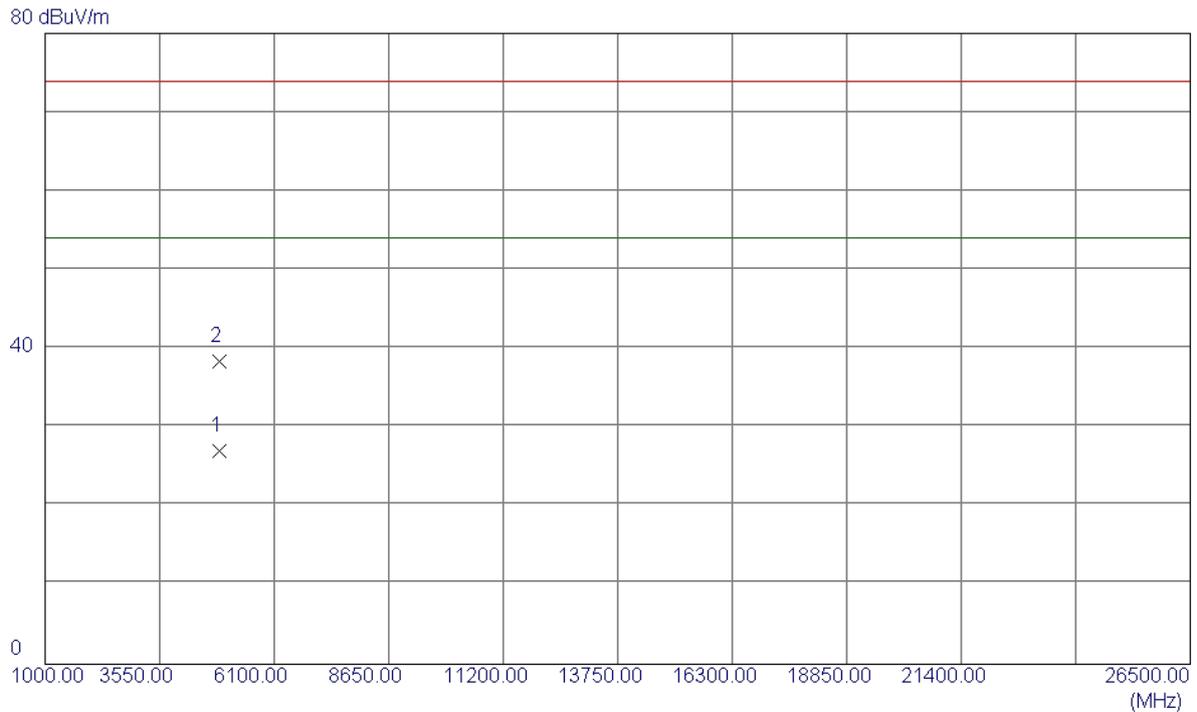
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	16.10	34.23	50.33	74.00	-23.67	Peak	
2	2390.0000	4.77	34.23	39.00	54.00	-15.00	AVG	
3	2439.0000	56.70	34.52	91.22	54.00	37.22	AVG	No Limit
4	2439.2000	66.41	34.52	100.93	74.00	26.93	Peak	No Limit

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

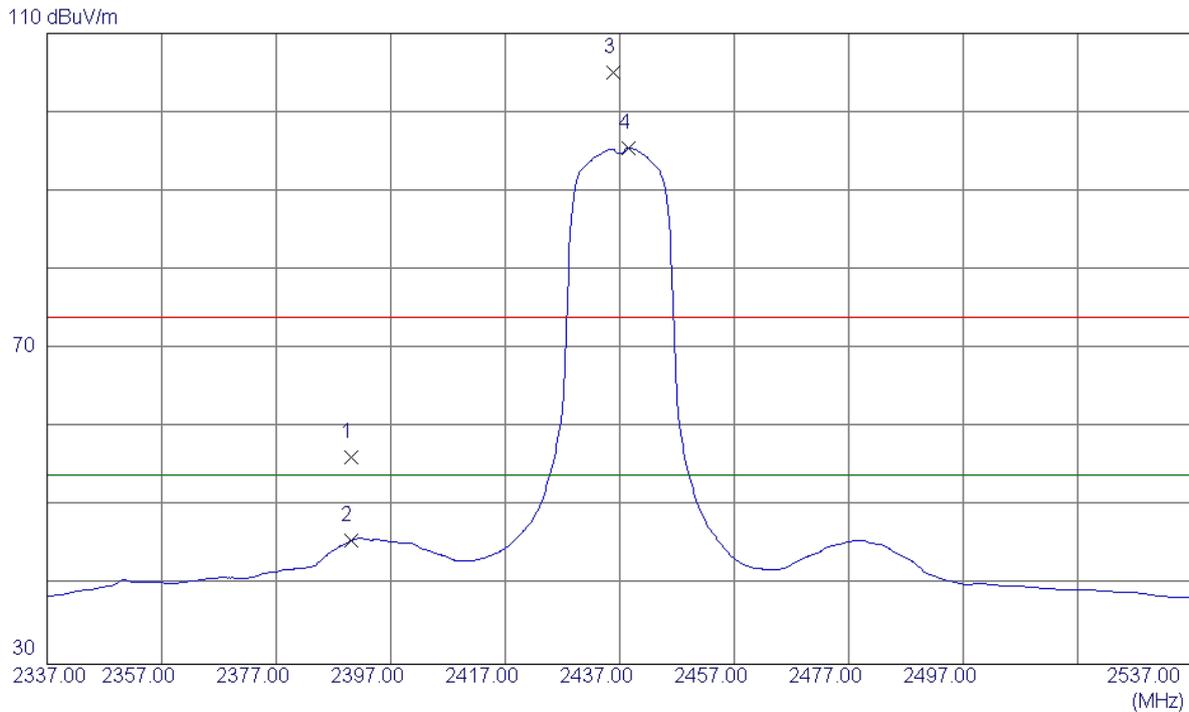
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0800	24.01	3.03	27.04	54.00	-26.96	AVG	
2	4874.1200	35.31	3.03	38.34	74.00	-35.66	Peak	

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

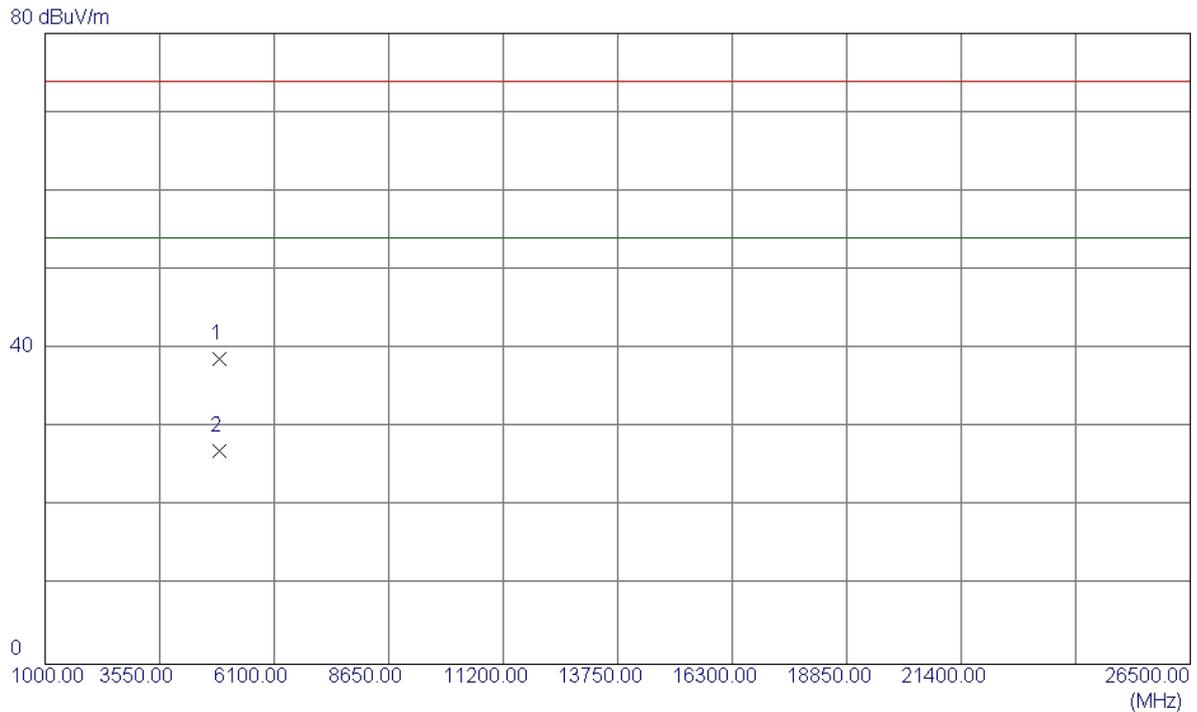
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	21.94	34.23	56.17	74.00	-17.83	Peak	
2	2390.0000	11.40	34.23	45.63	54.00	-8.37	AVG	
3	2435.8000	70.52	34.50	105.02	74.00	31.02	Peak	No Limit
4	2438.6000	60.95	34.51	95.46	54.00	41.46	AVG	No Limit

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

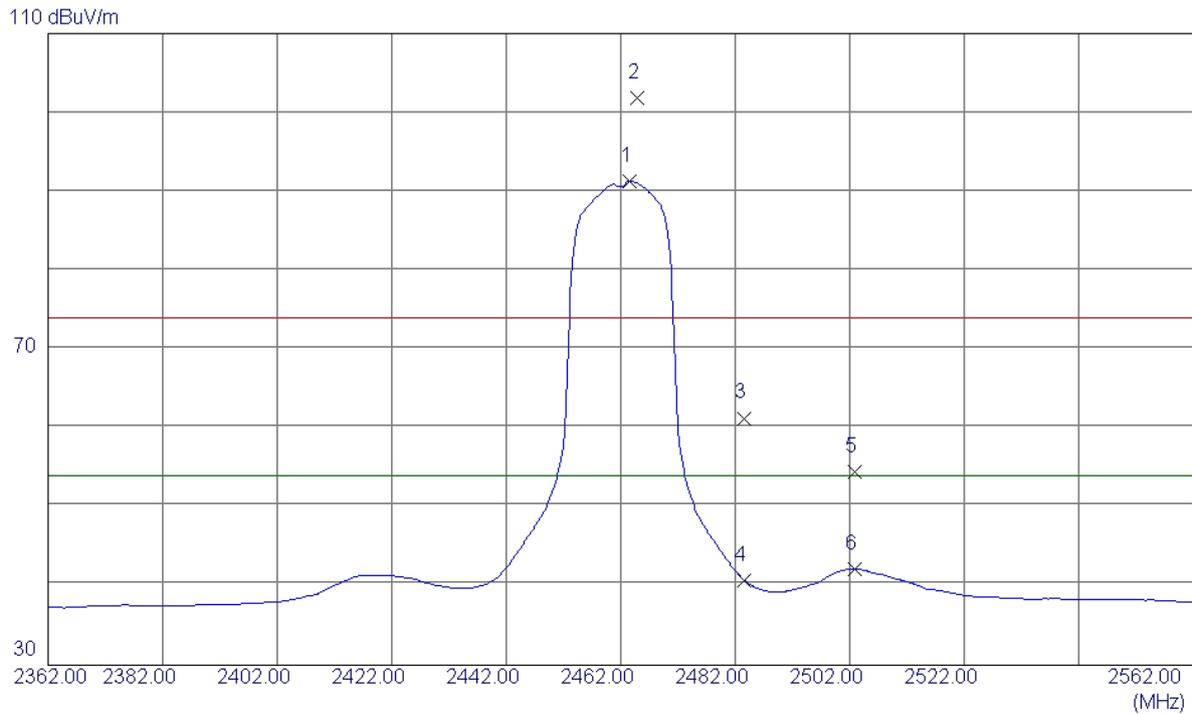
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.9000	35.68	3.03	38.71	74.00	-35.29	Peak	
2	4873.9200	23.96	3.03	26.99	54.00	-27.01	AVG	

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

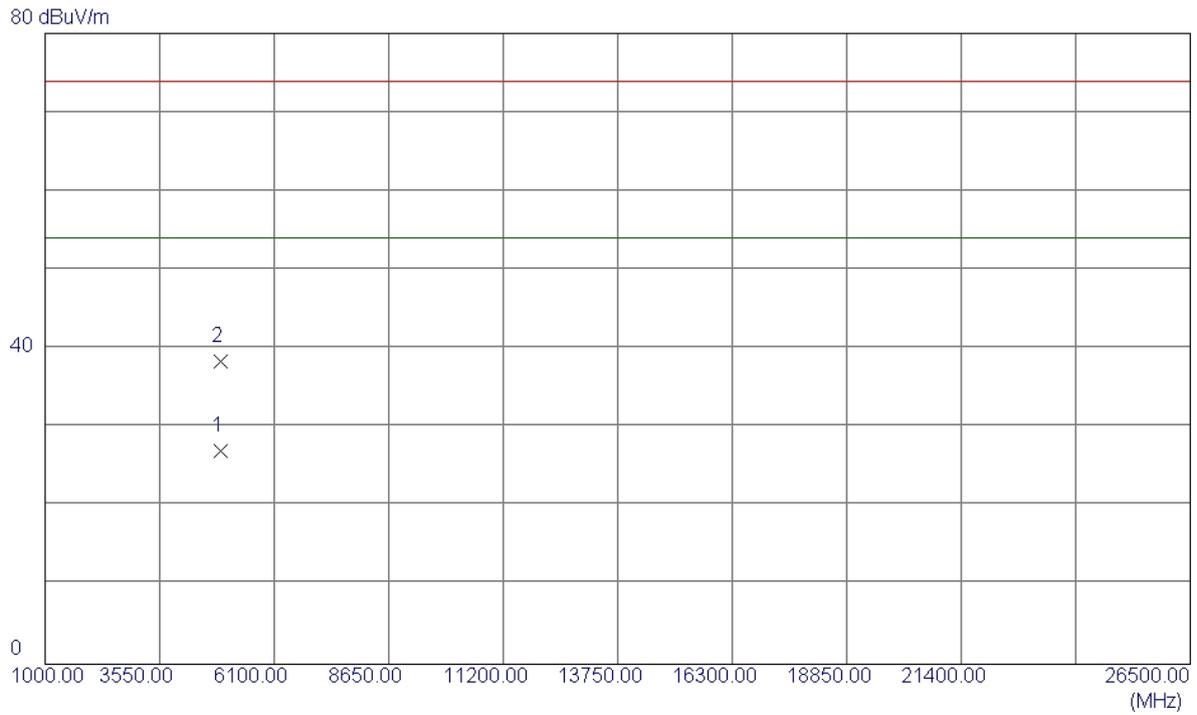
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.6000	56.64	34.66	91.30	54.00	37.30	AVG	No Limit
2	2464.8000	67.22	34.67	101.89	74.00	27.89	Peak	No Limit
3	2483.5000	26.51	34.77	61.28	74.00	-12.72	Peak	
4	2483.5000	6.00	34.77	40.77	54.00	-13.23	AVG	
5	2502.8000	19.60	34.86	54.46	74.00	-19.54	Peak	
6	2502.8000	7.33	34.86	42.19	54.00	-11.81	AVG	

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

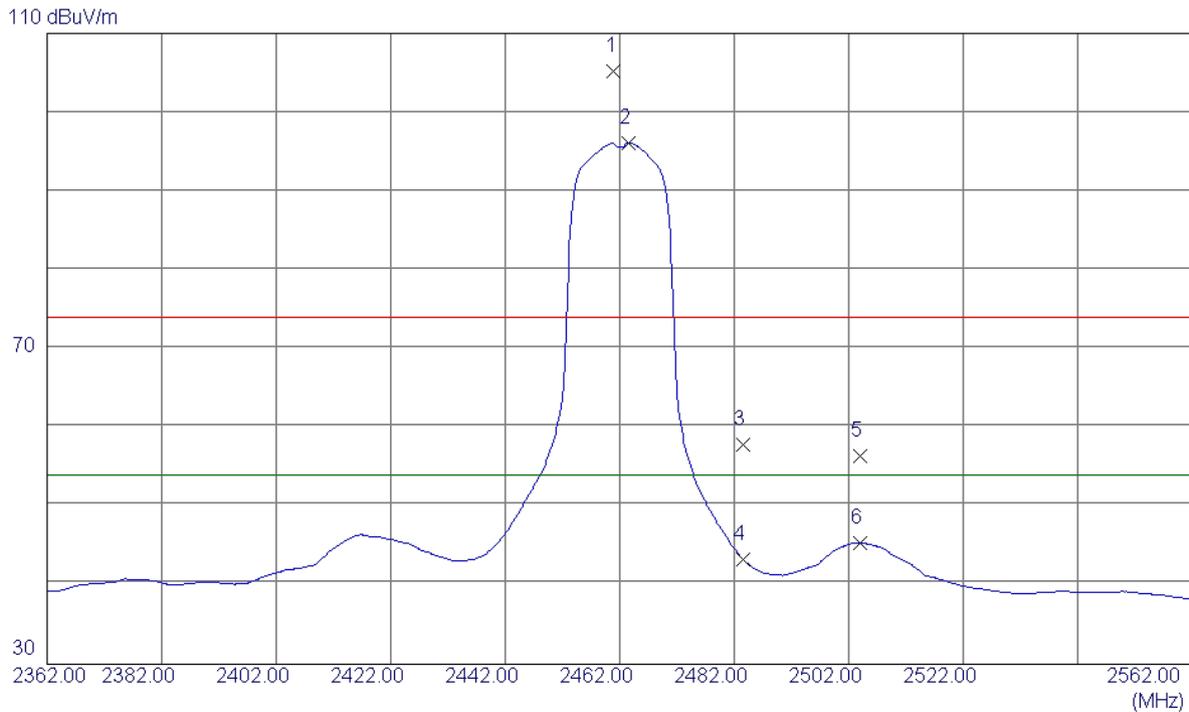
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.1170	23.99	3.05	27.04	54.00	-26.96	AVG	
2	4924.0730	35.29	3.05	38.34	74.00	-35.66	Peak	

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

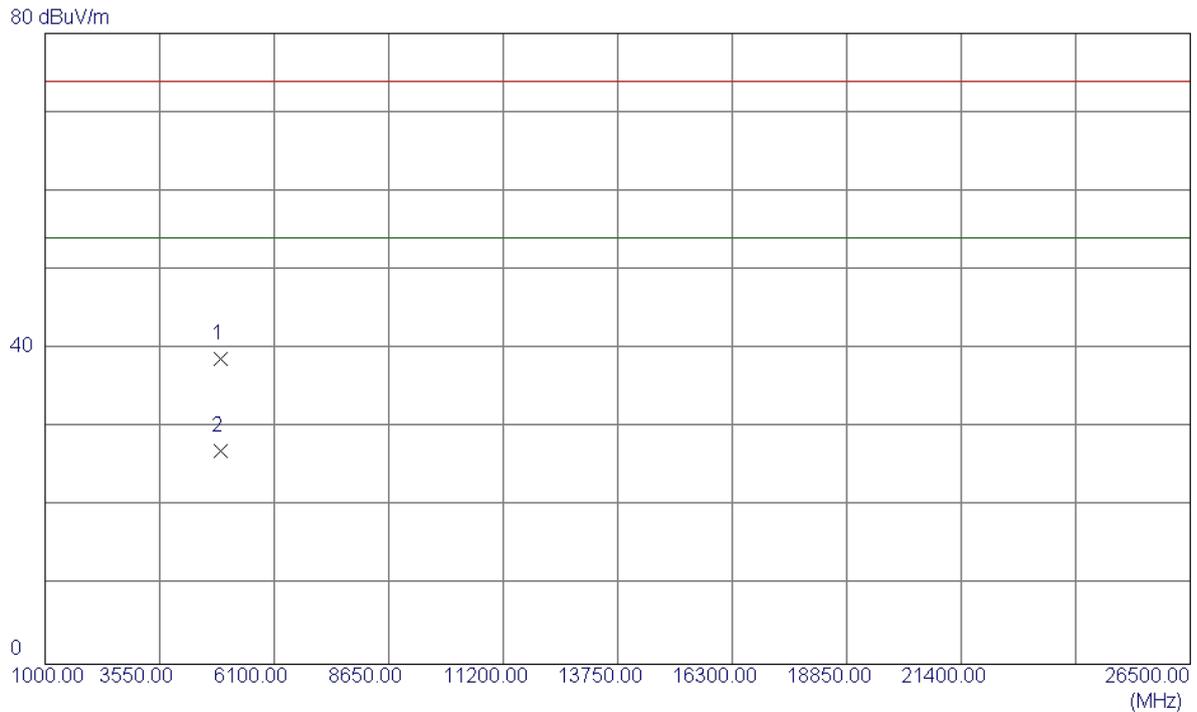
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.0000	70.60	34.64	105.24	74.00	31.24	Peak	No Limit
2	2463.6000	61.48	34.66	96.14	54.00	42.14	AVG	No Limit
3	2483.5000	23.14	34.77	57.91	74.00	-16.09	Peak	
4	2483.5000	8.54	34.77	43.31	54.00	-10.69	AVG	
5	2504.0000	21.49	34.85	56.34	74.00	-17.66	Peak	
6	2504.0000	10.51	34.85	45.36	54.00	-8.64	AVG	

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

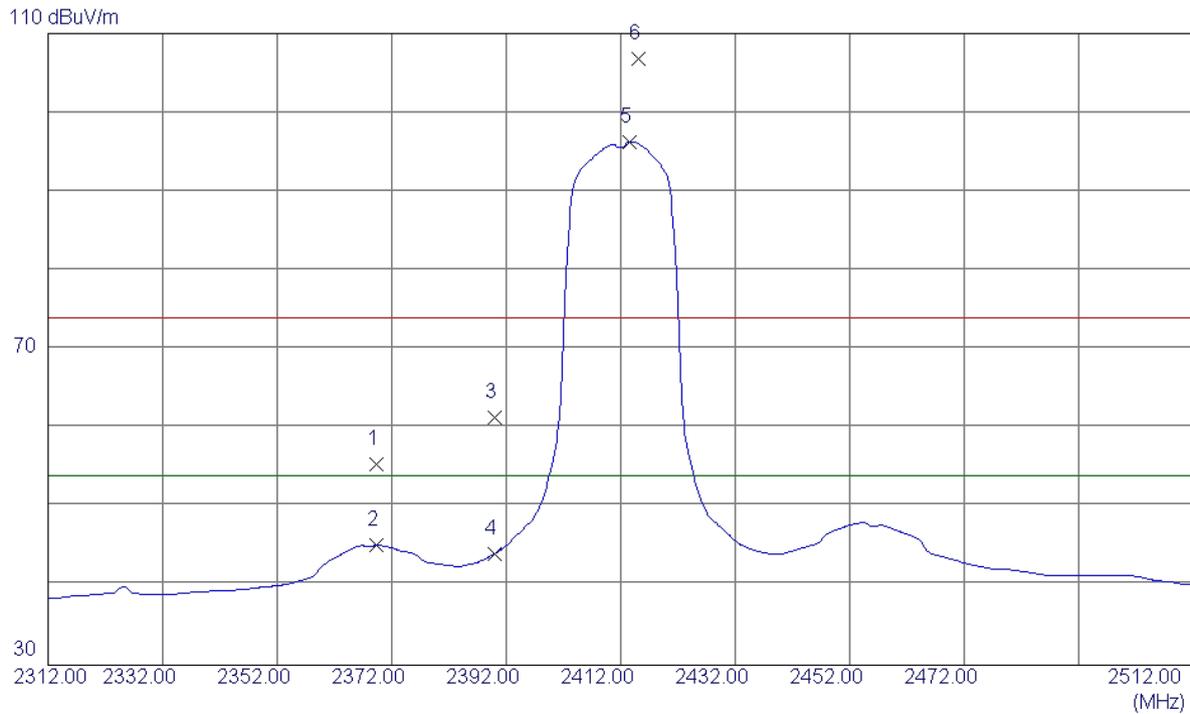
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.9180	35.66	3.05	38.71	74.00	-35.29	Peak	
2	4924.0890	23.94	3.05	26.99	54.00	-27.01	AVG	

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

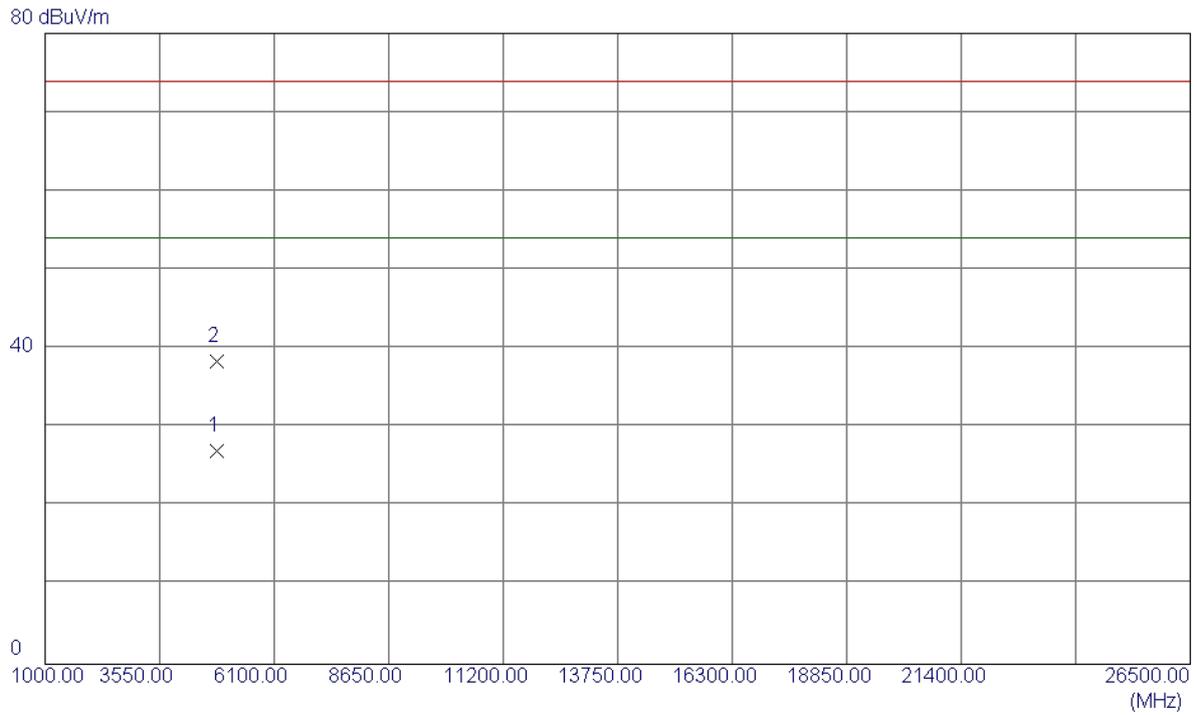
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2369.4000	21.35	34.11	55.46	74.00	-18.54	Peak	
2	2369.4000	11.10	34.11	45.21	54.00	-8.79	AVG	
3	2390.0000	27.08	34.23	61.31	74.00	-12.69	Peak	
4	2390.0000	9.89	34.23	44.12	54.00	-9.88	AVG	
5	2413.6000	61.94	34.37	96.31	54.00	42.31	AVG	No Limit
6	2415.2000	72.39	34.38	106.77	74.00	32.77	Peak	No Limit

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

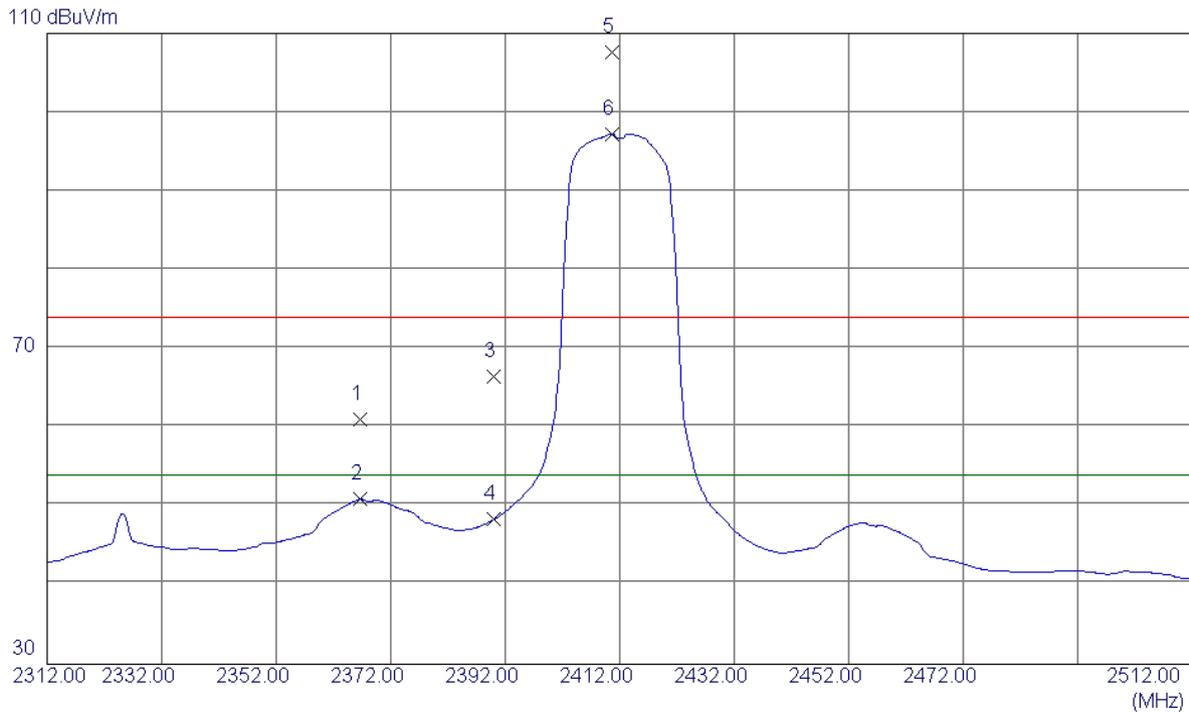
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.0660	24.04	3.00	27.04	54.00	-26.96	AVG	
2	4824.2010	35.34	3.00	38.34	74.00	-35.66	Peak	

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

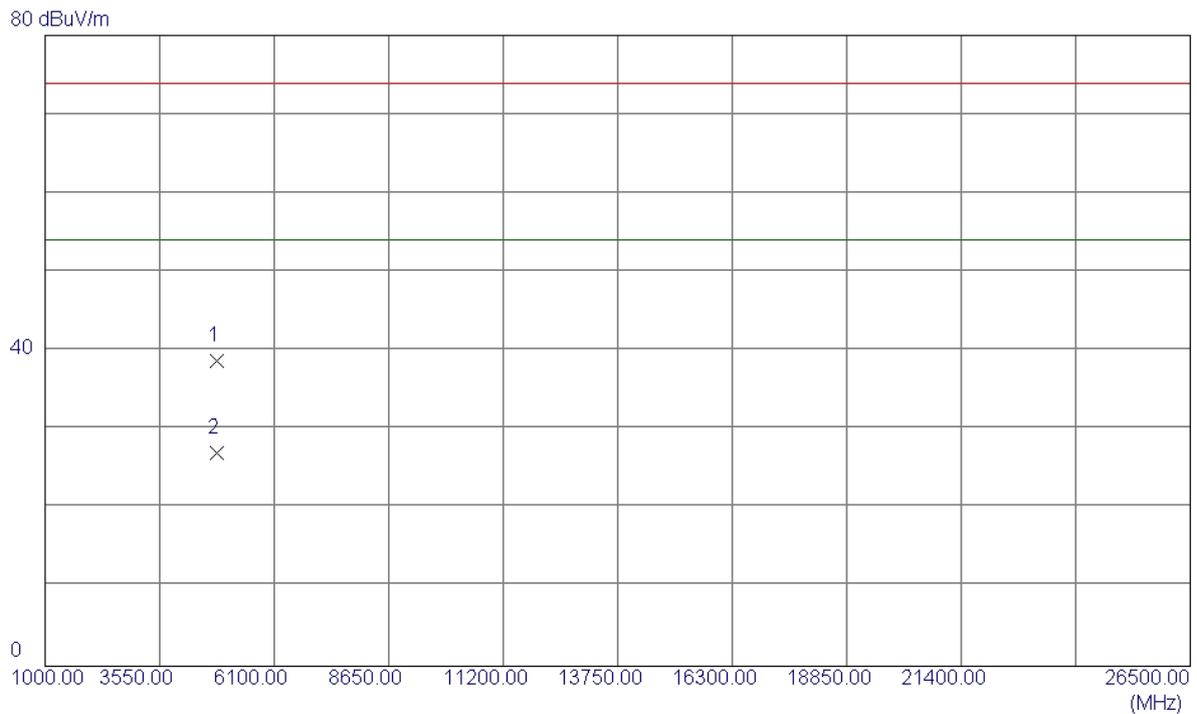
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2366.6000	26.97	34.10	61.07	74.00	-12.93	Peak	
2	2366.6000	16.80	34.10	50.90	54.00	-3.10	AVG	
3	2390.0000	32.24	34.23	66.47	74.00	-7.53	Peak	
4	2390.0000	14.12	34.23	48.35	54.00	-5.65	AVG	
5	2410.6000	73.20	34.35	107.55	74.00	33.55	Peak	No Limit
6	2410.6000	62.88	34.35	97.23	54.00	43.23	AVG	No Limit

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

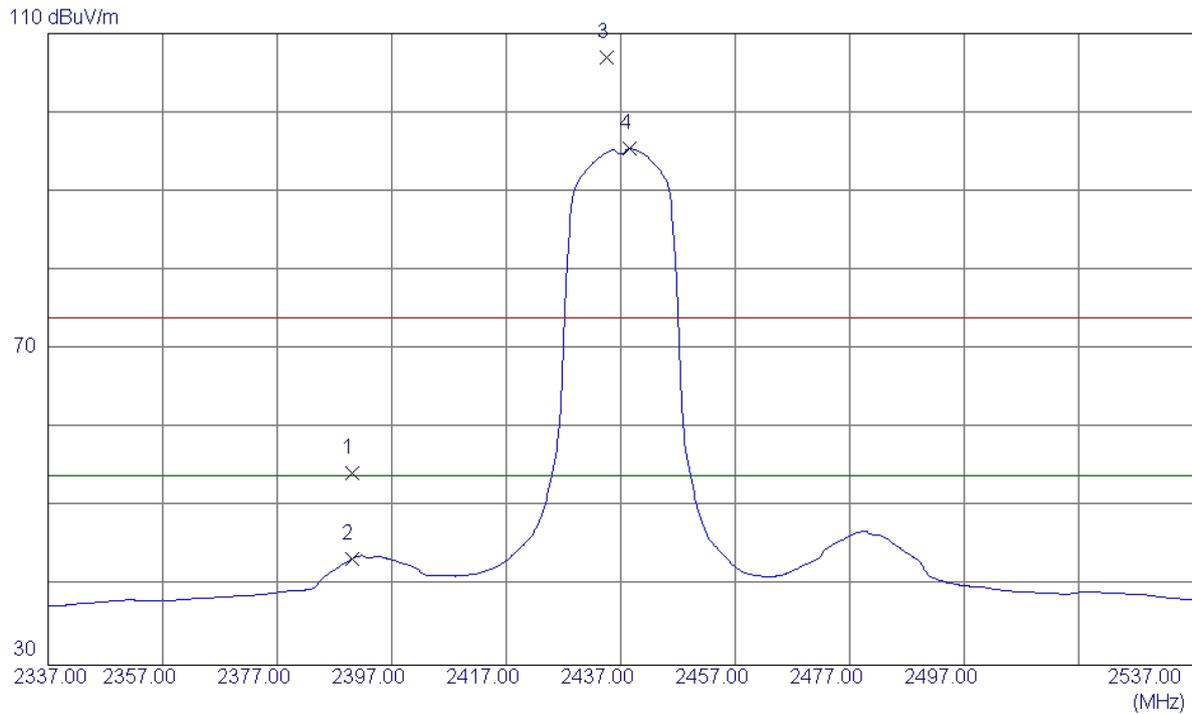
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.1309	35.71	3.00	38.71	74.00	-35.29	Peak	
2	4824.0090	23.99	3.00	26.99	54.00	-27.01	AVG	

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

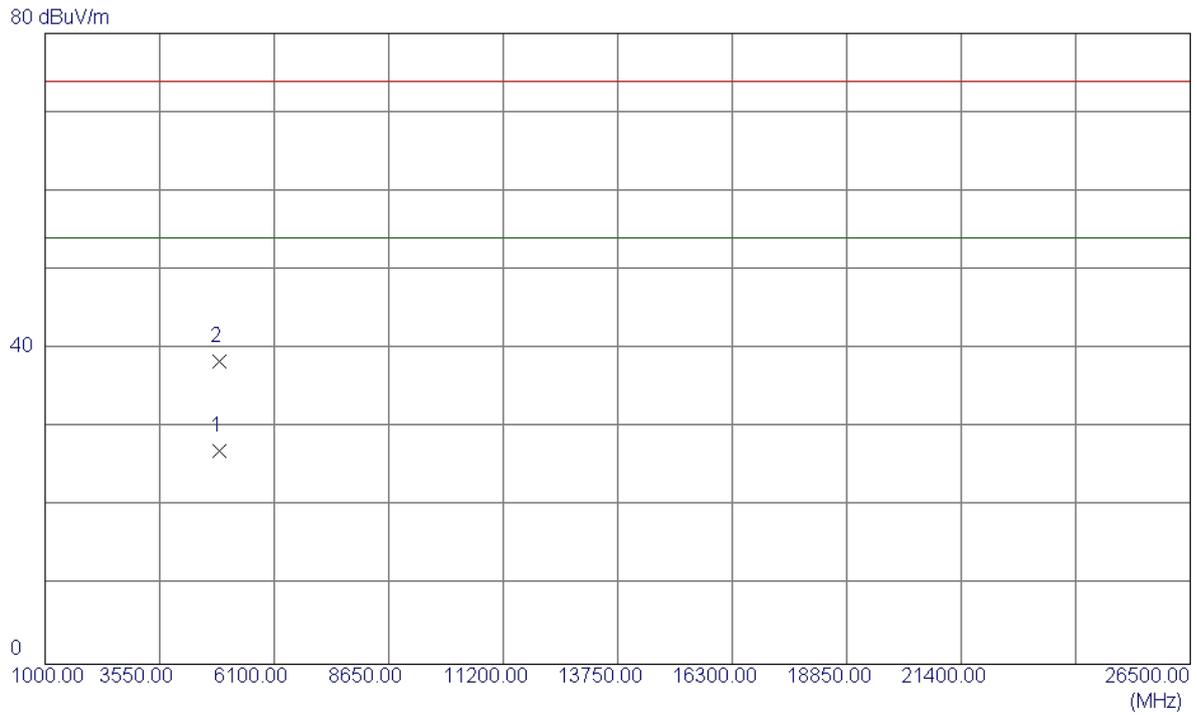
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	20.05	34.23	54.28	74.00	-19.72	Peak	
2	2390.0000	9.21	34.23	43.44	54.00	-10.56	AVG	
3	2434.6000	72.43	34.49	106.92	74.00	32.92	Peak	No Limit
4	2438.6000	60.92	34.51	95.43	54.00	41.43	AVG	No Limit

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

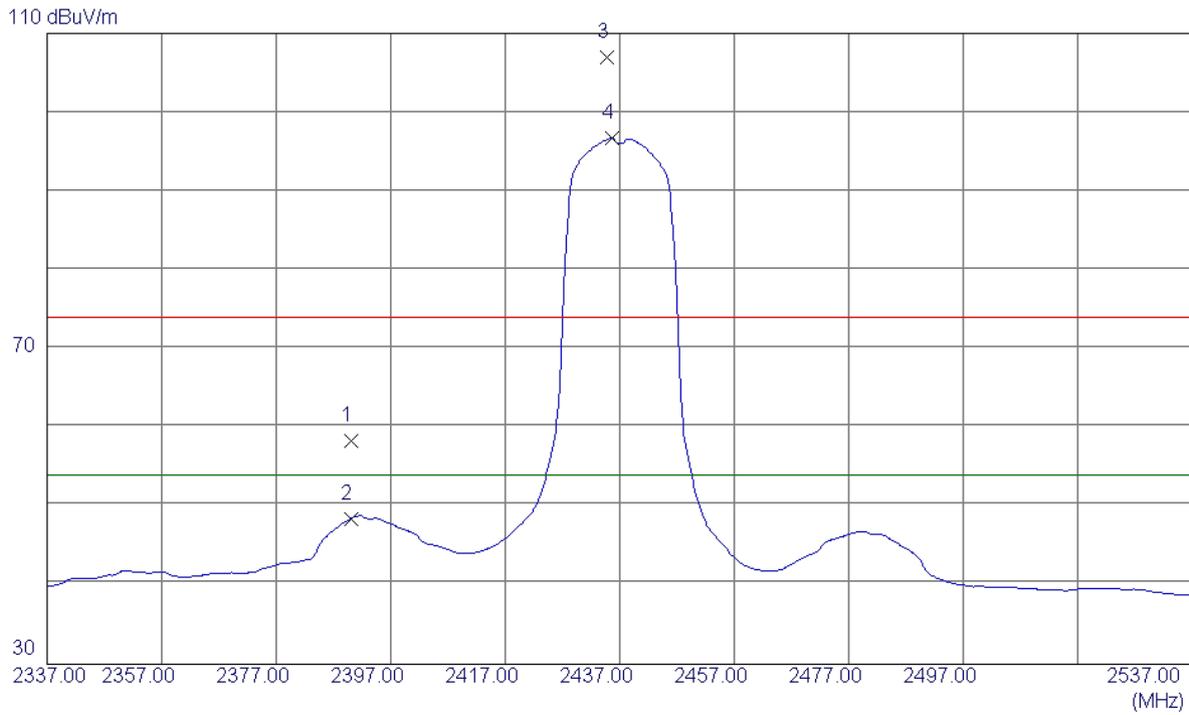
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.1680	24.01	3.03	27.04	54.00	-26.96	AVG	
2	4874.2100	35.31	3.03	38.34	74.00	-35.66	Peak	

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

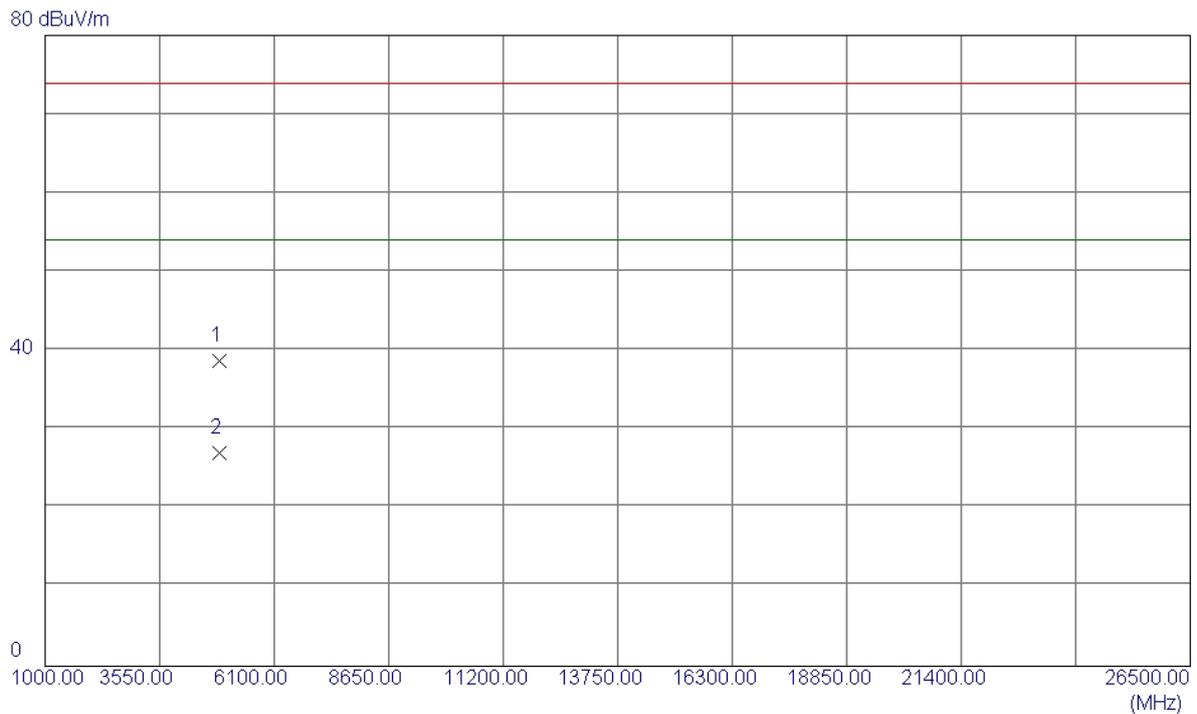
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.02	34.23	58.25	74.00	-15.75	Peak	
2	2390.0000	14.22	34.23	48.45	54.00	-5.55	AVG	
3	2434.8000	72.45	34.49	106.94	74.00	32.94	Peak	No Limit
4	2435.6000	62.17	34.50	96.67	54.00	42.67	AVG	No Limit

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

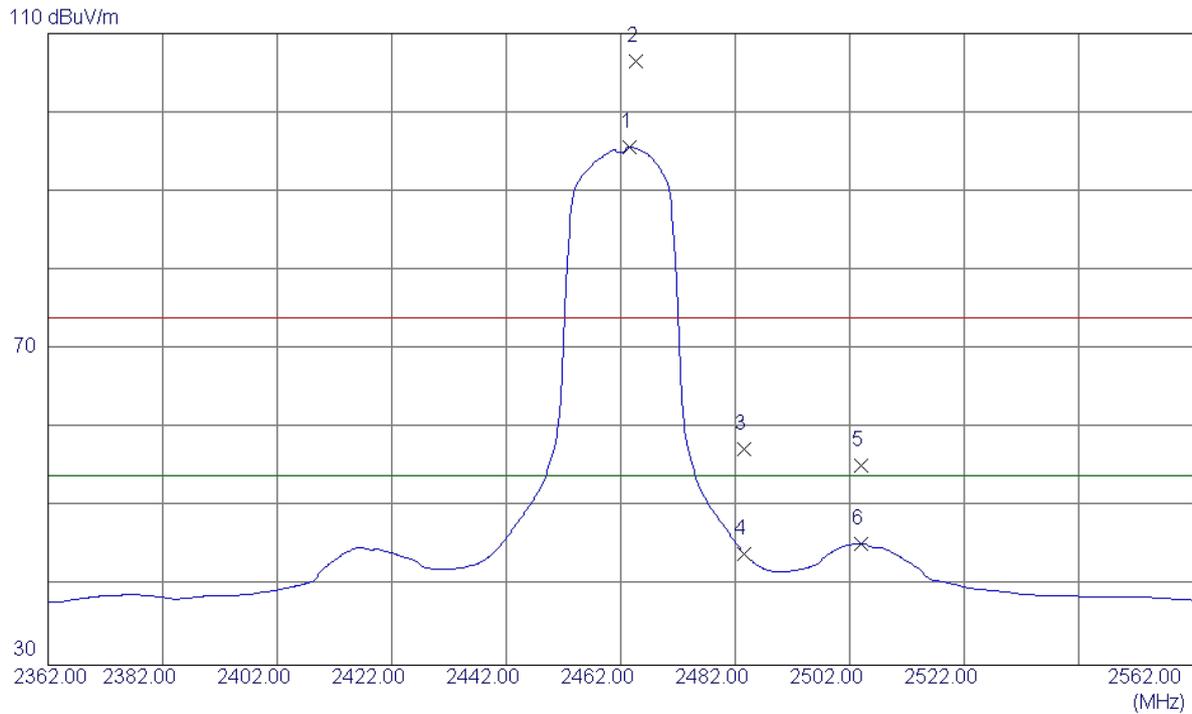
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.8080	35.68	3.03	38.71	74.00	-35.29	Peak	
2	4874.0600	23.96	3.03	26.99	54.00	-27.01	AVG	

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

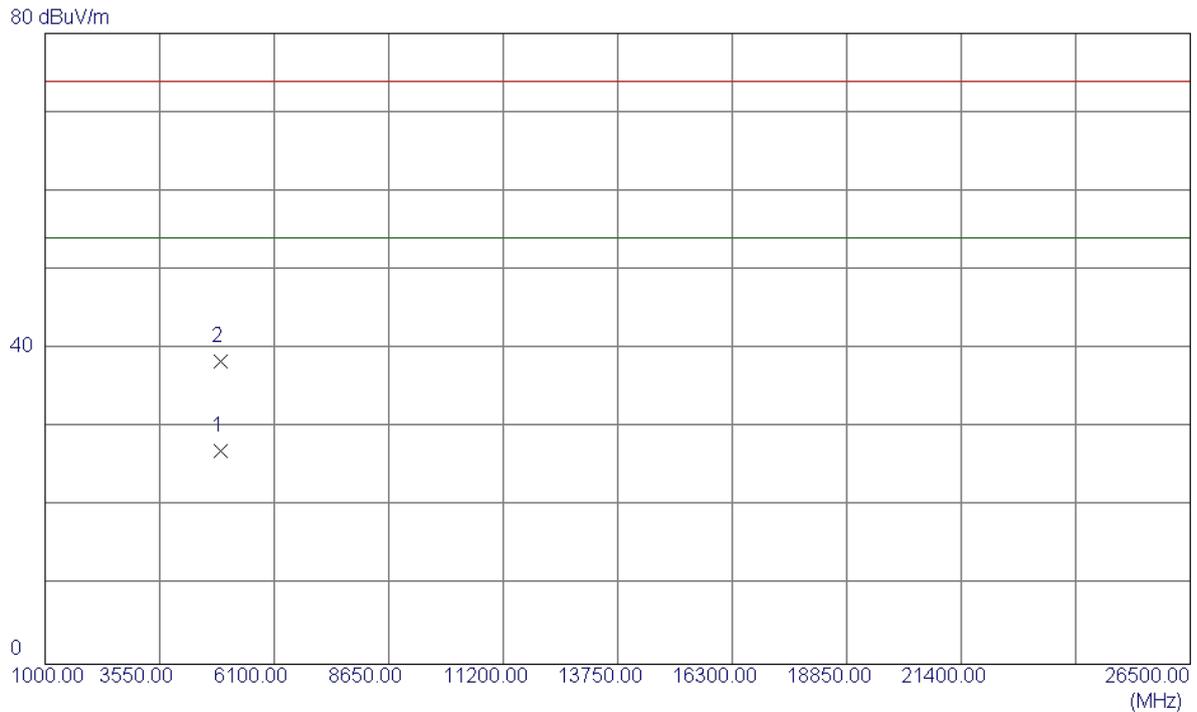
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.6000	60.98	34.66	95.64	54.00	41.64	AVG	No Limit
2	2464.6000	71.87	34.66	106.53	74.00	32.53	Peak	No Limit
3	2483.5000	22.53	34.77	57.30	74.00	-16.70	Peak	
4	2483.5000	9.35	34.77	44.12	54.00	-9.88	AVG	
5	2504.0000	20.47	34.85	55.32	74.00	-18.68	Peak	
6	2504.0000	10.52	34.85	45.37	54.00	-8.63	AVG	

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

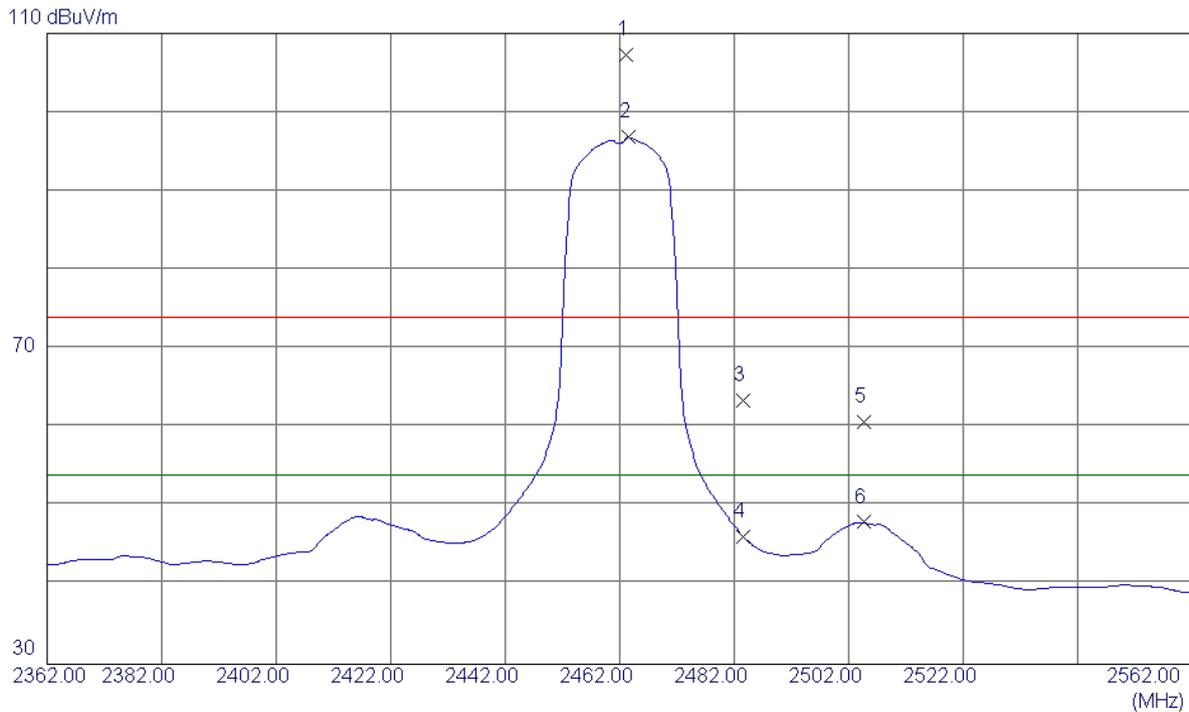
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.1060	23.99	3.05	27.04	54.00	-26.96	AVG	
2	4924.0010	35.29	3.05	38.34	74.00	-35.66	Peak	

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

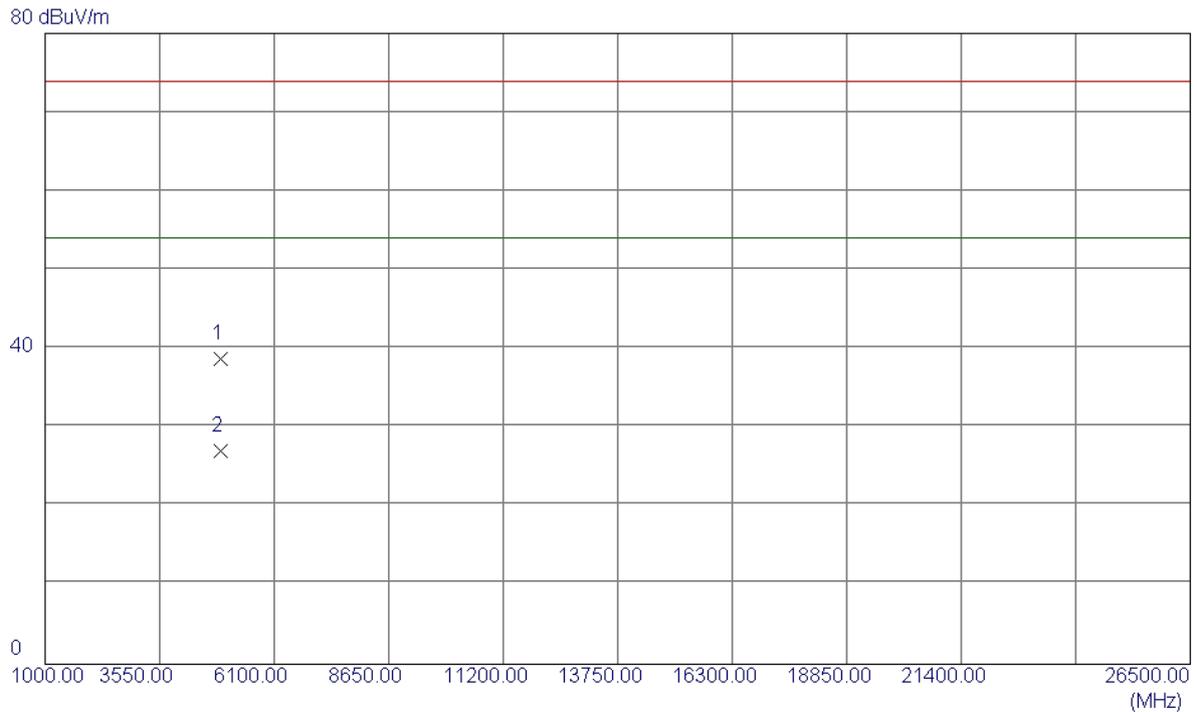
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.2000	72.59	34.66	107.25	74.00	33.25	Peak	No Limit
2	2463.6000	62.15	34.66	96.81	54.00	42.81	AVG	No Limit
3	2483.5000	28.70	34.77	63.47	74.00	-10.53	Peak	
4	2483.5000	11.43	34.77	46.20	54.00	-7.80	AVG	
5	2504.6000	25.93	34.85	60.78	74.00	-13.22	Peak	
6	2504.6000	13.15	34.85	48.00	54.00	-6.00	AVG	

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

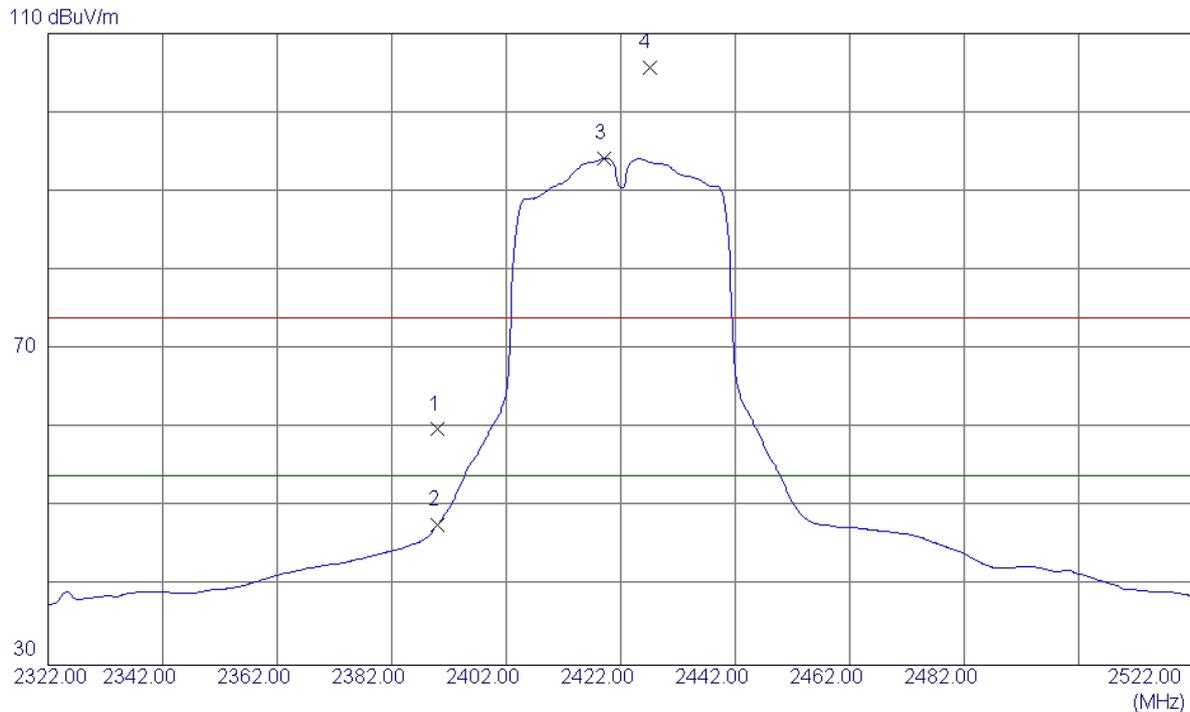
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.0070	35.66	3.05	38.71	74.00	-35.29	Peak	
2	4924.0500	23.94	3.05	26.99	54.00	-27.01	AVG	

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

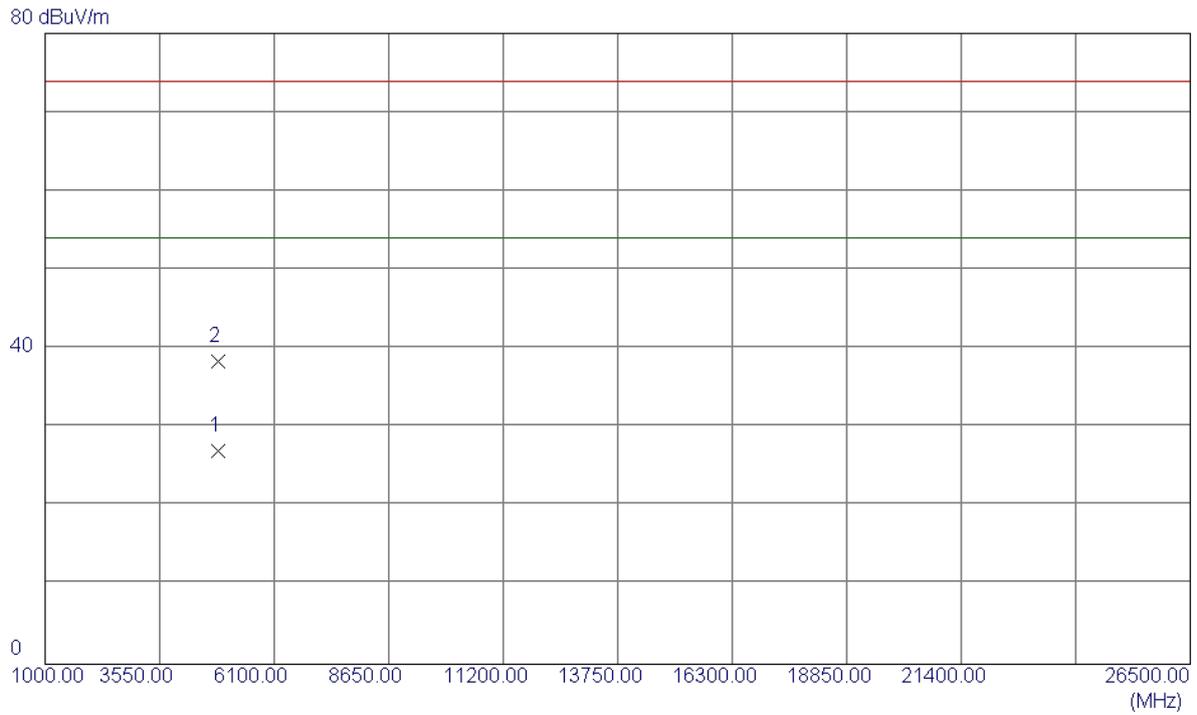
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	25.61	34.23	59.84	74.00	-14.16	Peak	
2	2390.0000	13.57	34.23	47.80	54.00	-6.20	AVG	
3	2419.2000	59.80	34.40	94.20	54.00	40.20	AVG	No Limit
4	2427.0000	71.24	34.45	105.69	74.00	31.69	Peak	No Limit

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

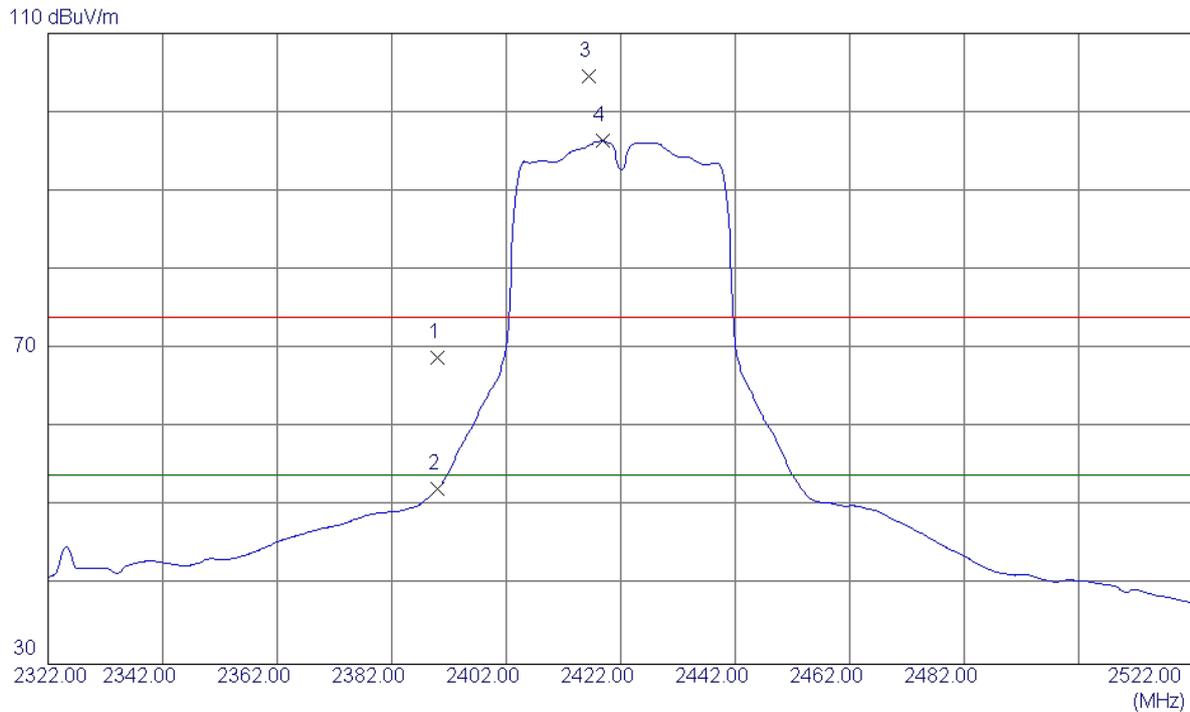
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4843.9080	24.03	3.01	27.04	54.00	-26.96	AVG	
2	4843.9910	35.33	3.01	38.34	74.00	-35.66	Peak	

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

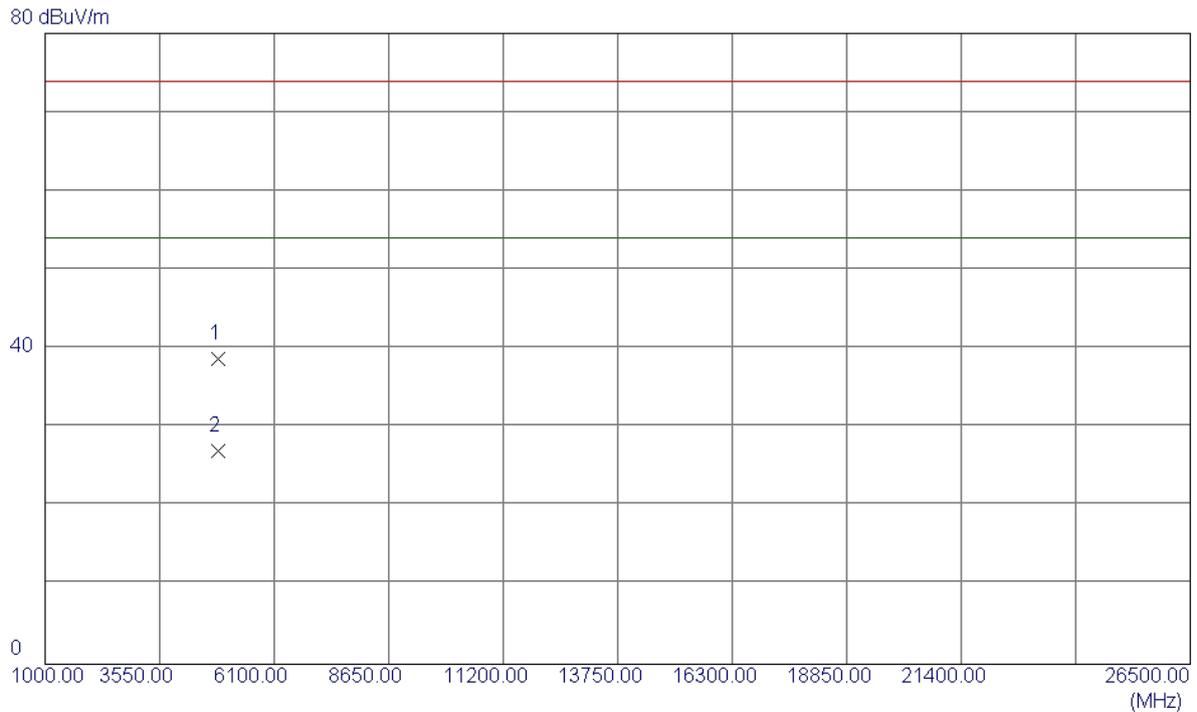
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	34.72	34.23	68.95	74.00	-5.05	Peak	
2	2390.0000	17.99	34.23	52.22	54.00	-1.78	AVG	
3	2416.4000	70.12	34.39	104.51	74.00	30.51	Peak	No Limit
4	2418.8000	61.98	34.40	96.38	54.00	42.38	AVG	No Limit

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

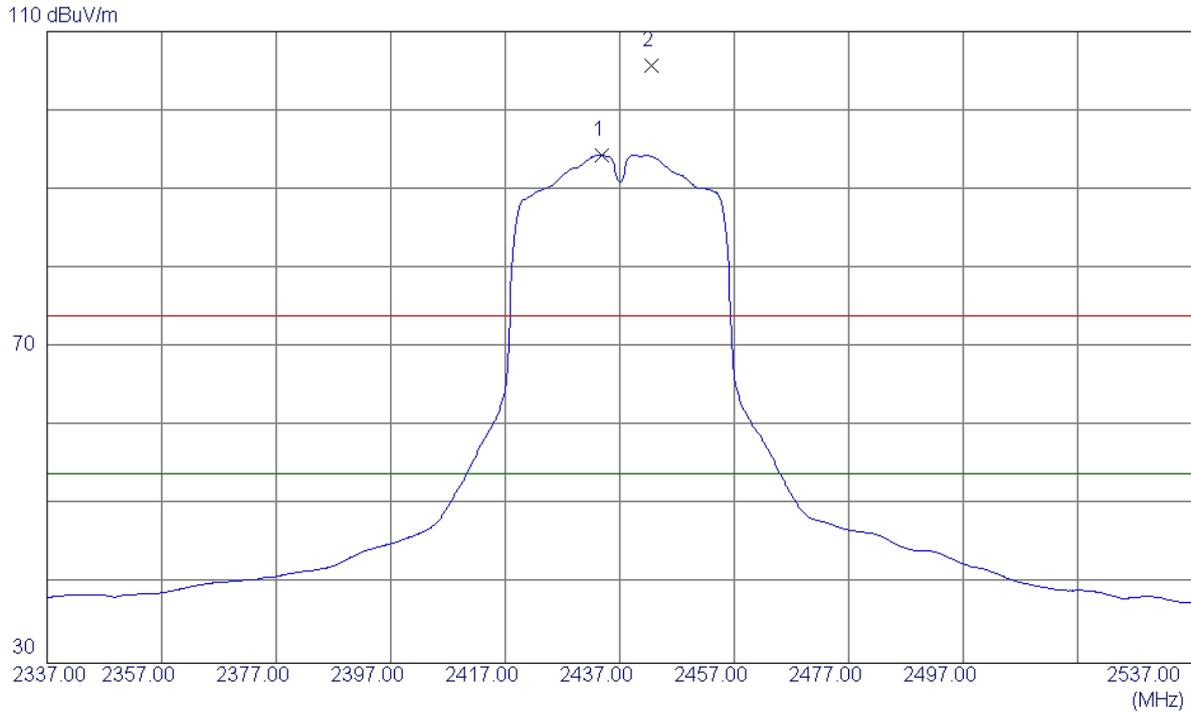
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.0510	35.70	3.01	38.71	74.00	-35.29	Peak	
2	4844.0030	23.98	3.01	26.99	54.00	-27.01	AVG	

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

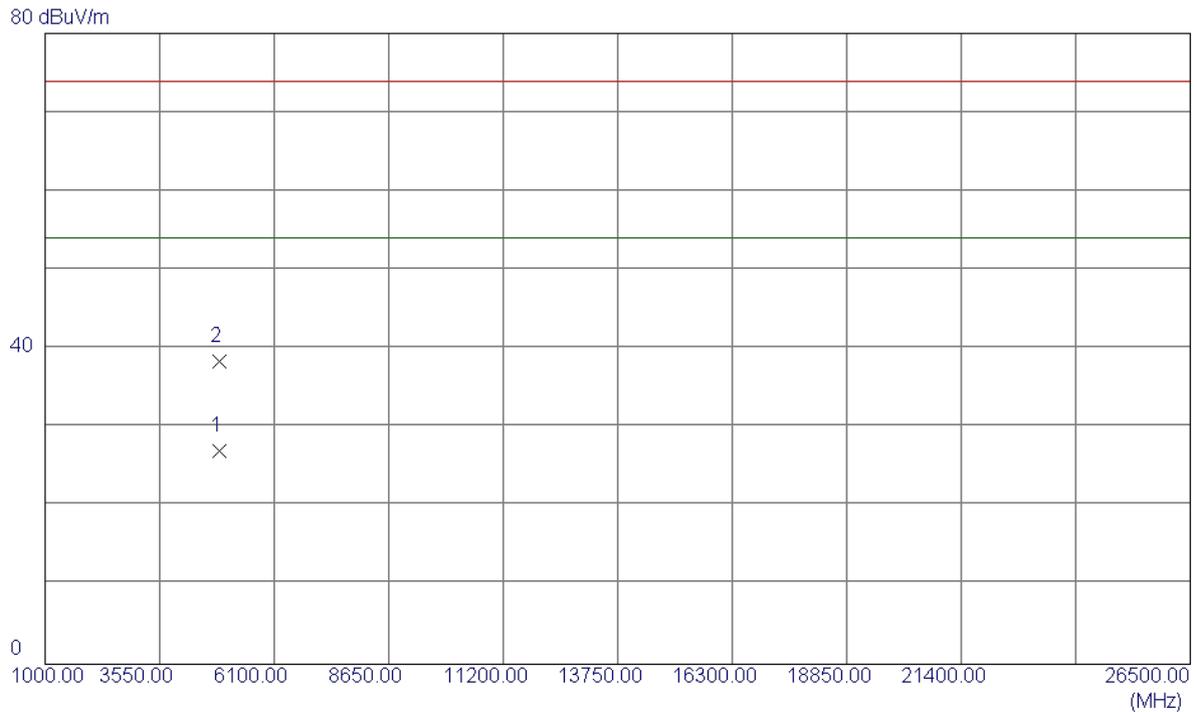
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2433.8000	59.85	34.49	94.34	54.00	40.34	AVG	No Limit
2	2442.6000	71.18	34.54	105.72	74.00	31.72	Peak	No Limit

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

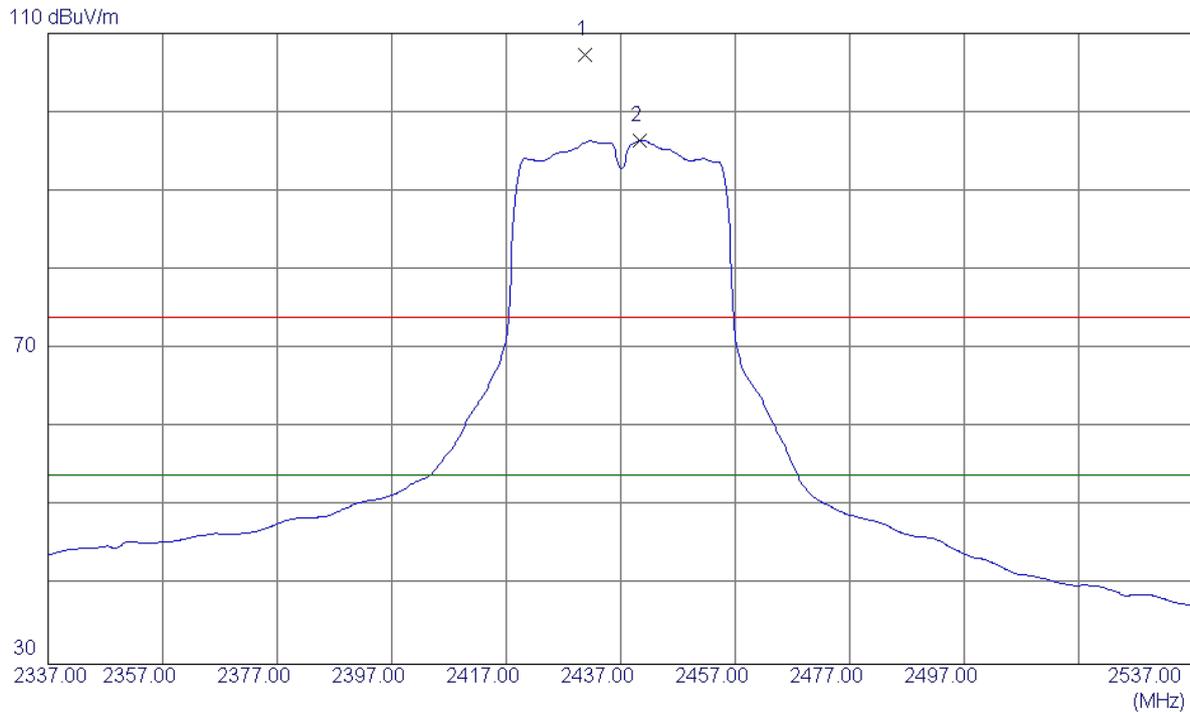
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.1140	24.01	3.03	27.04	54.00	-26.96	AVG	
2	4874.0670	35.31	3.03	38.34	74.00	-35.66	Peak	

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

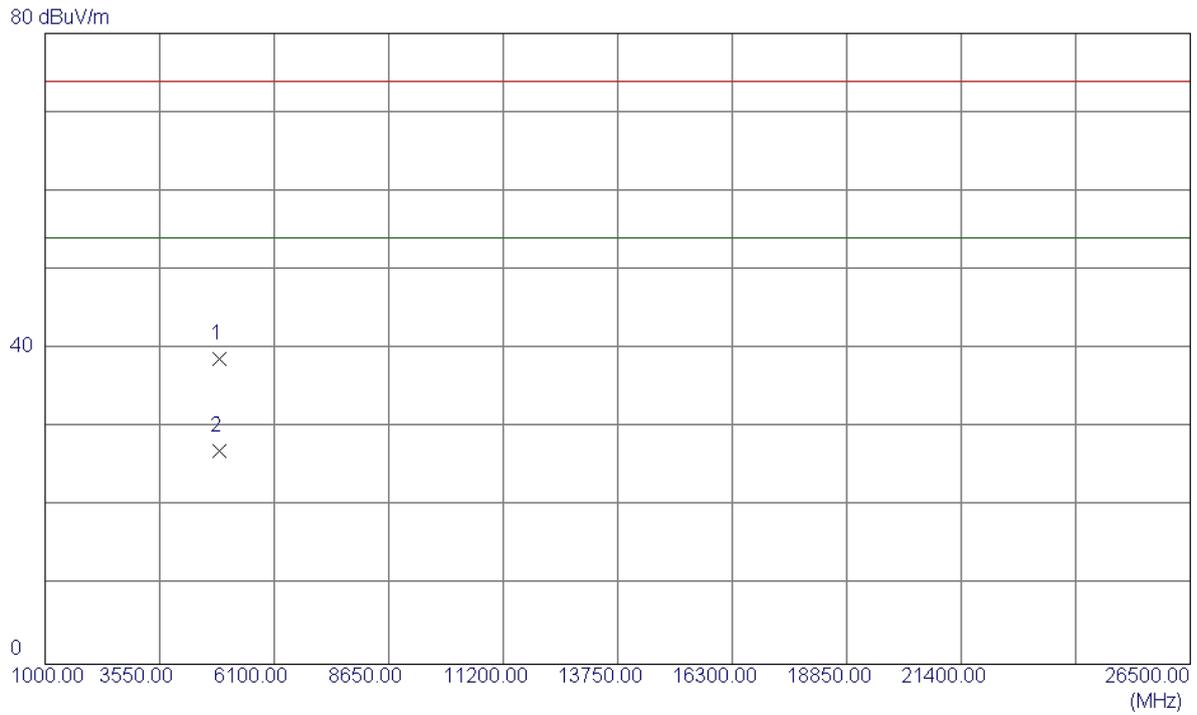
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2430.8000	72.83	34.47	107.30	74.00	33.30	Peak	No Limit
2	2440.4000	61.84	34.52	96.36	54.00	42.36	AVG	No Limit

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

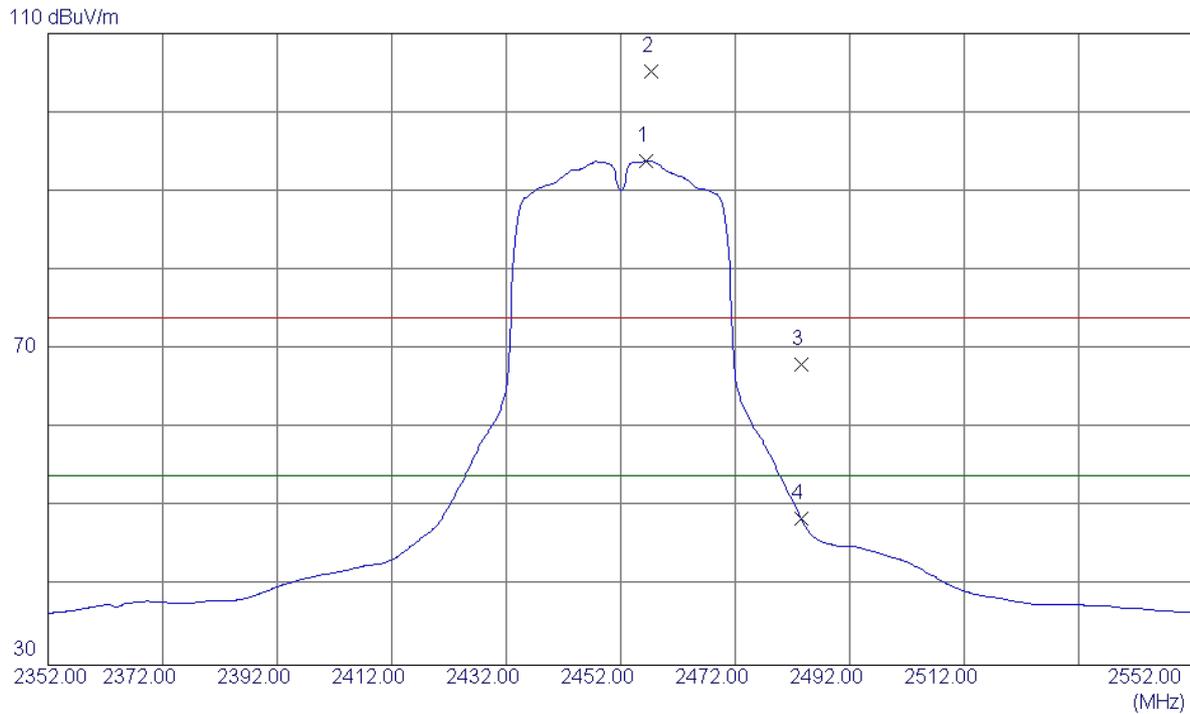
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0930	35.68	3.03	38.71	74.00	-35.29	Peak	
2	4874.1910	23.96	3.03	26.99	54.00	-27.01	AVG	

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

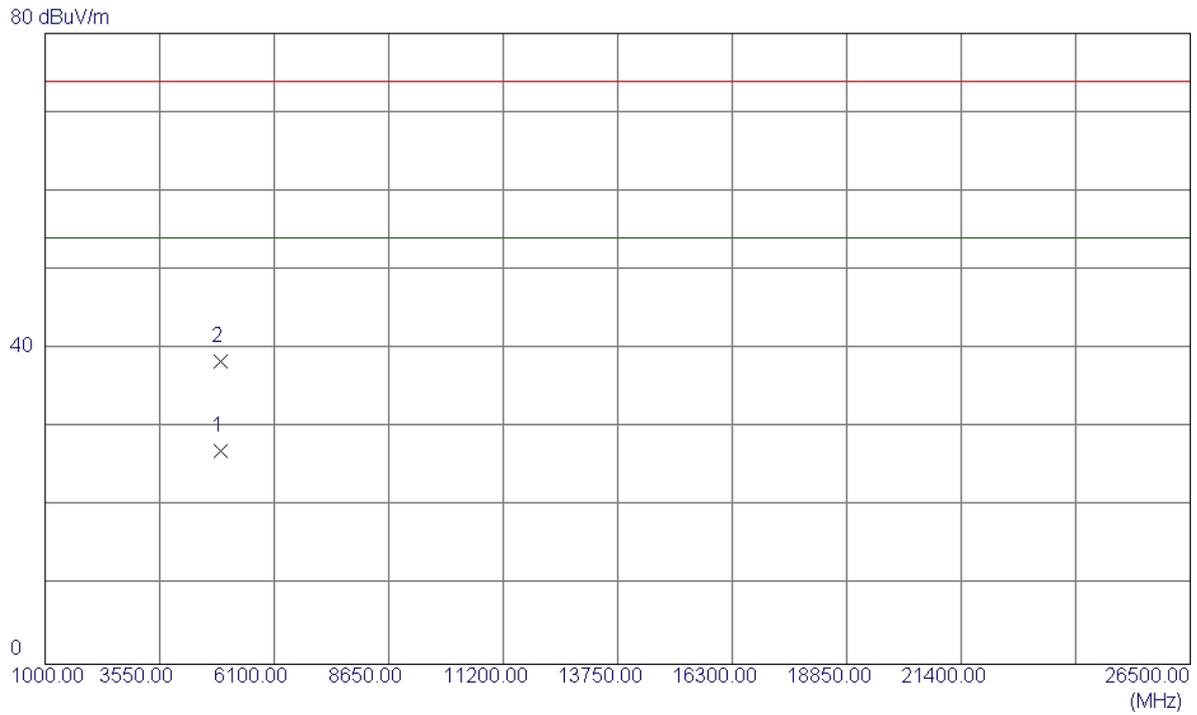
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2456.4000	59.23	34.62	93.85	54.00	39.85	AVG	No Limit
2	2457.4000	70.59	34.62	105.21	74.00	31.21	Peak	No Limit
3	2483.5000	33.34	34.77	68.11	74.00	-5.89	Peak	
4	2483.5000	13.74	34.77	48.51	54.00	-5.49	AVG	

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

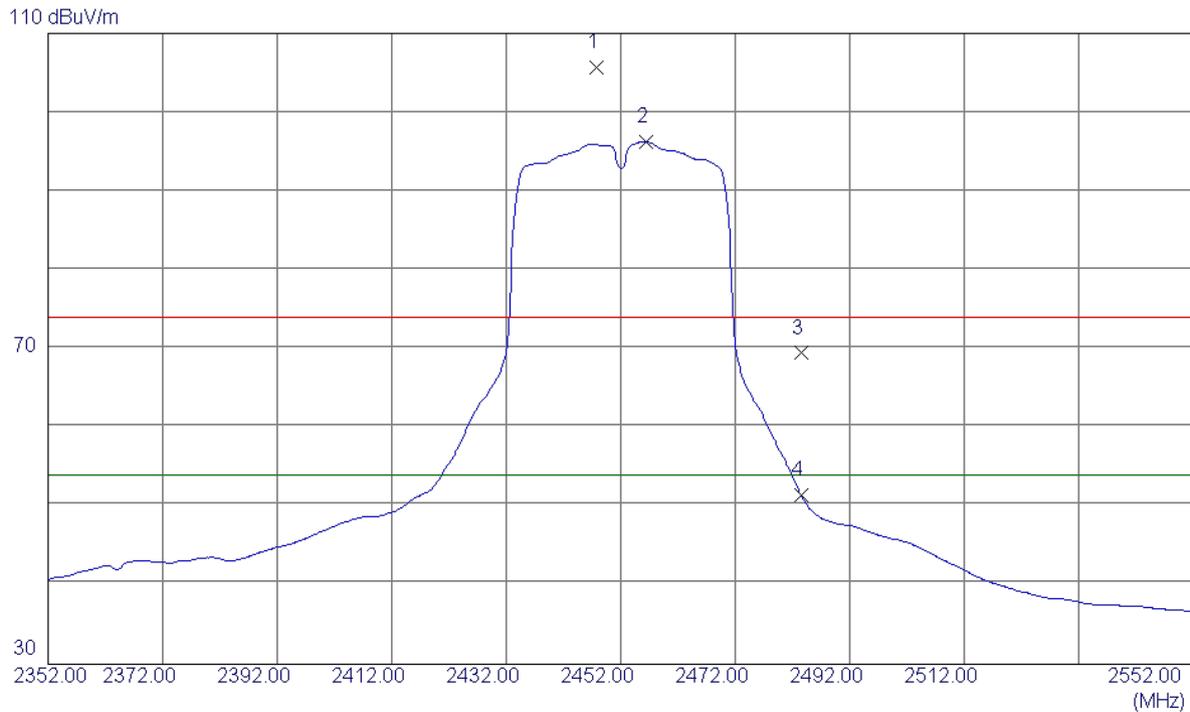
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4904.2010	24.00	3.04	27.04	54.00	-26.96	AVG	
2	4904.1860	35.30	3.04	38.34	74.00	-35.66	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	2447.8000	71.09	34.57	105.66	74.00	31.66	Peak	No Limit
2	2456.4000	61.65	34.62	96.27	54.00	42.27	AVG	No Limit
3	2483.5000	34.67	34.77	69.44	74.00	-4.56	Peak	
4	2483.5000	16.60	34.77	51.37	54.00	-2.63	AVG	

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

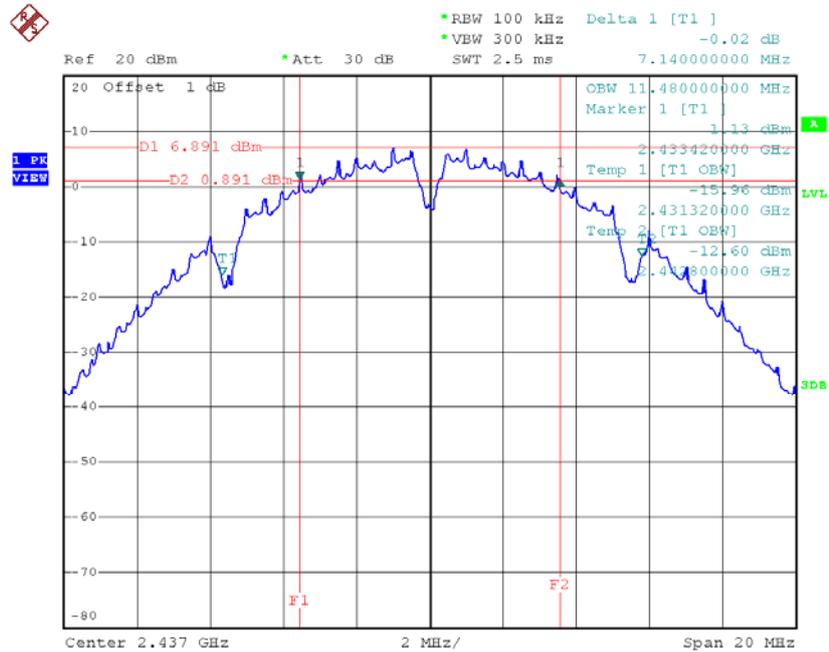
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4904.1080	35.67	3.04	38.71	74.00	-35.29	Peak	
2	4904.0700	23.95	3.04	26.99	54.00	-27.01	AVG	

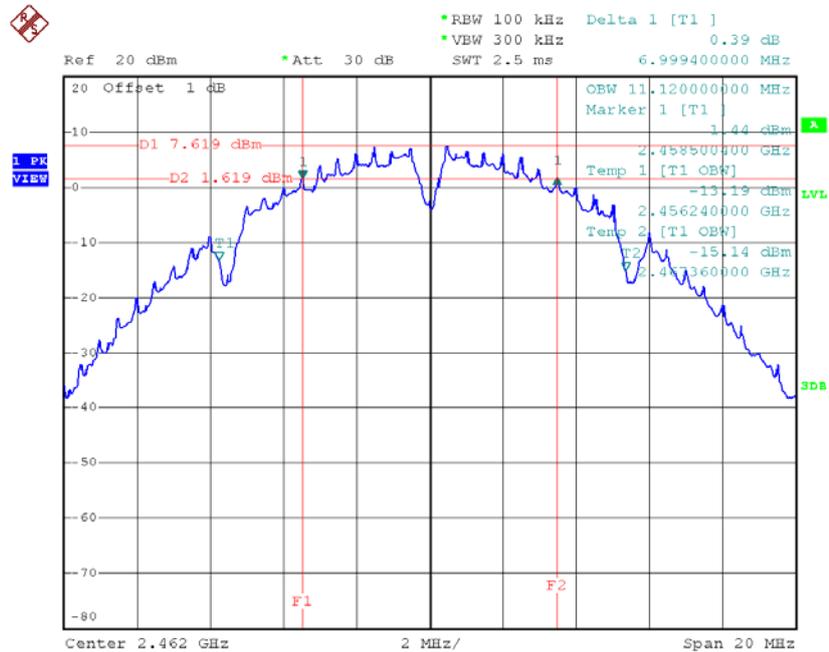
ATTACHMENT E - BANDWIDTH

TX CH06



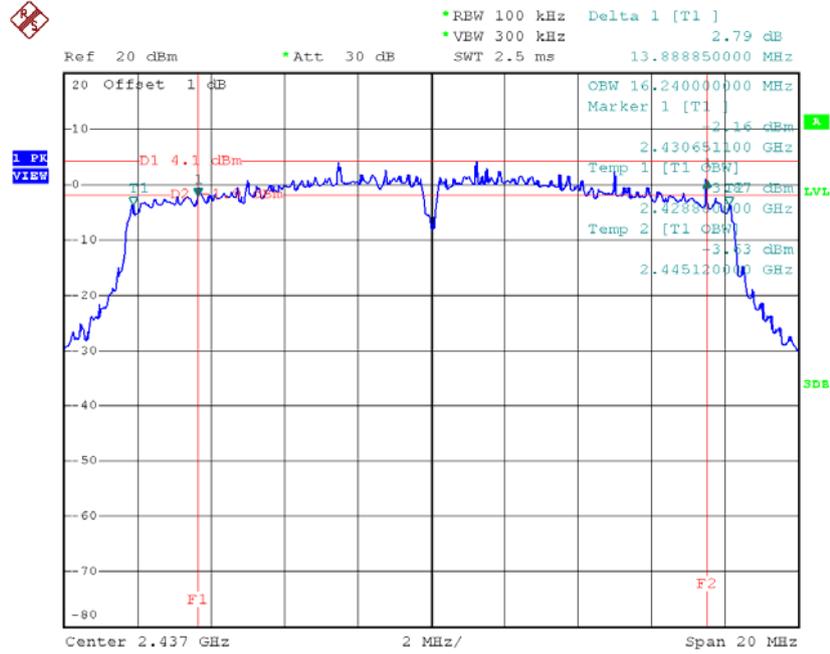
Date: 29.OCT.2015 22:45:07

TX CH11



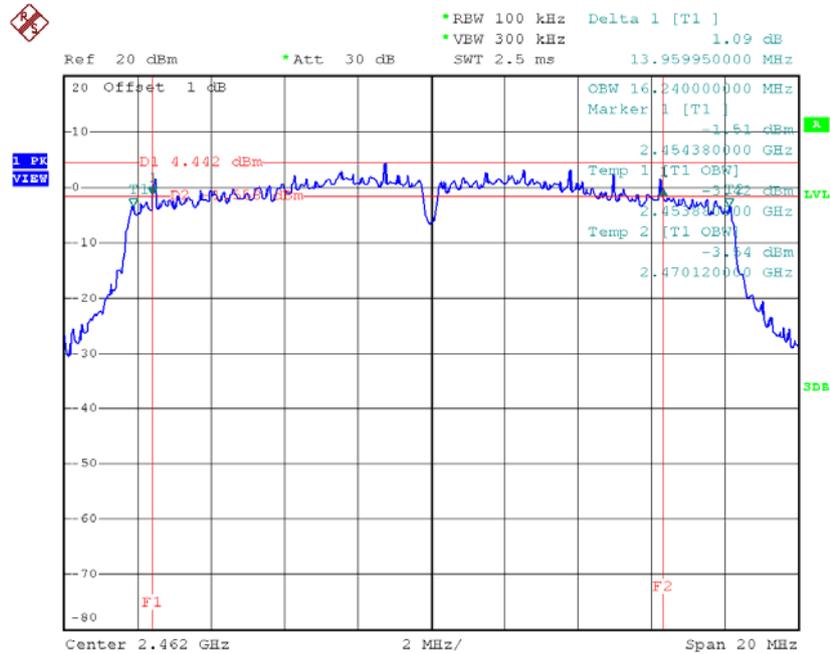
Date: 29.OCT.2015 22:47:41

TX CH06



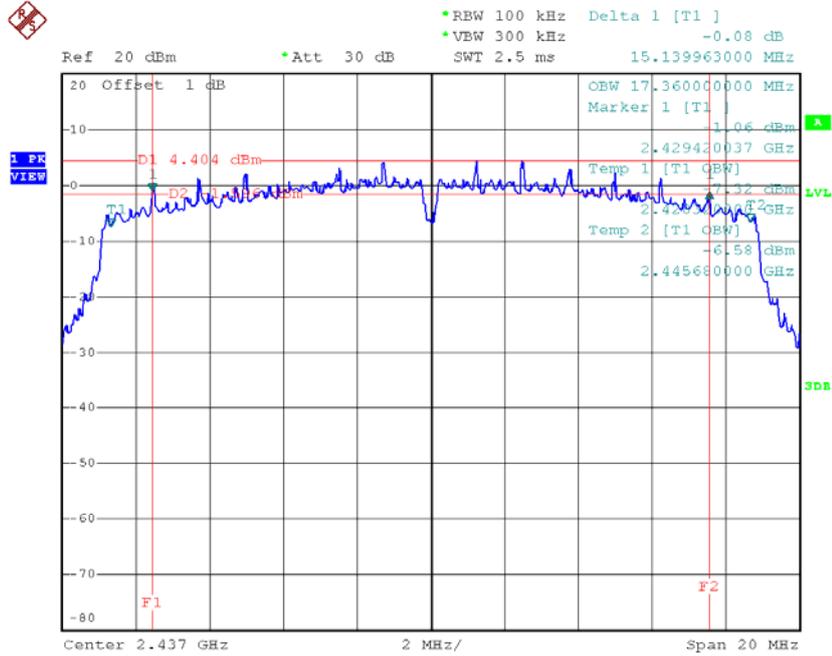
Date: 29.OCT.2015 22:57:27

TX CH11



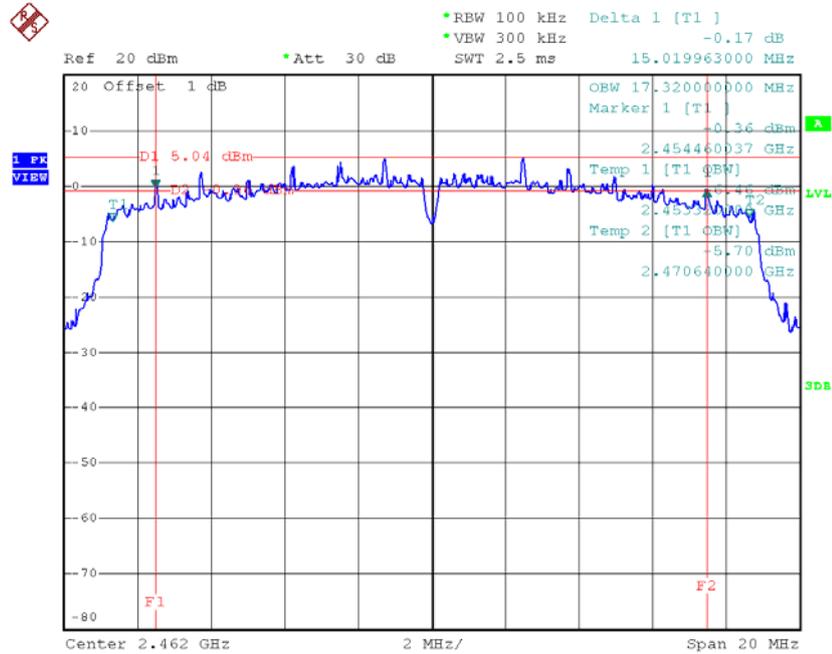
Date: 29.OCT.2015 23:01:09

TX CH06



Date: 29.OCT.2015 23:09:09

TX CH11

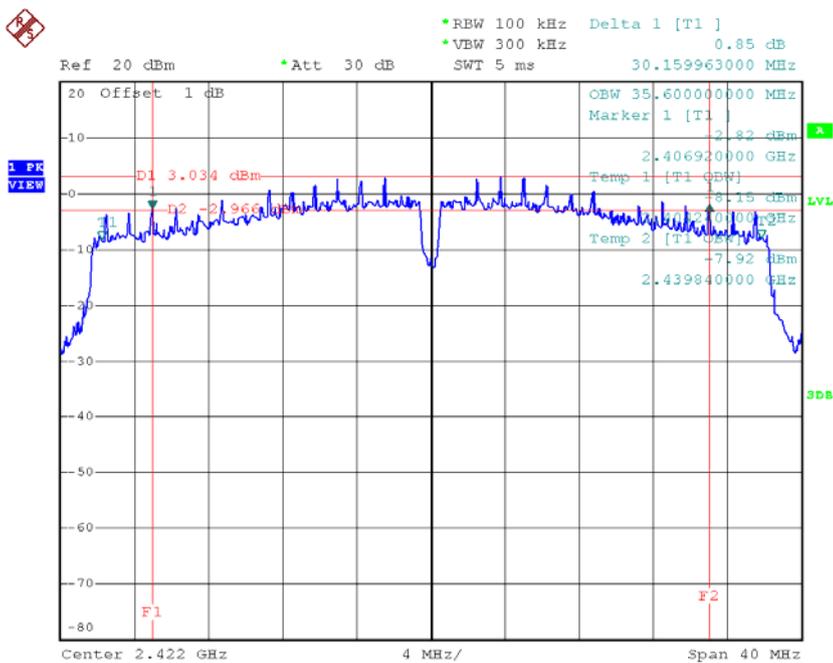


Date: 29.OCT.2015 23:10:45

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

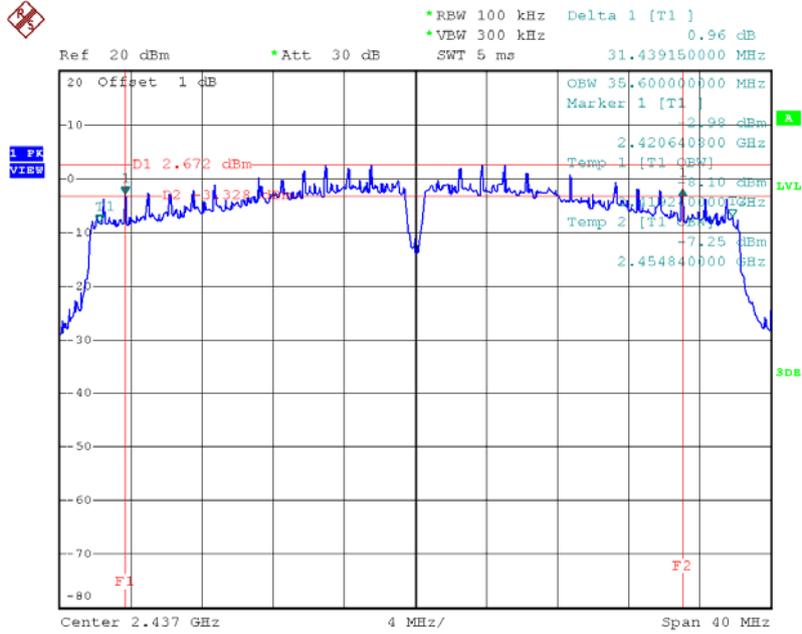
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	30.16	35.60	500	Complies
2437	31.44	35.60	500	Complies
2452	28.96	35.68	500	Complies

TX CH03



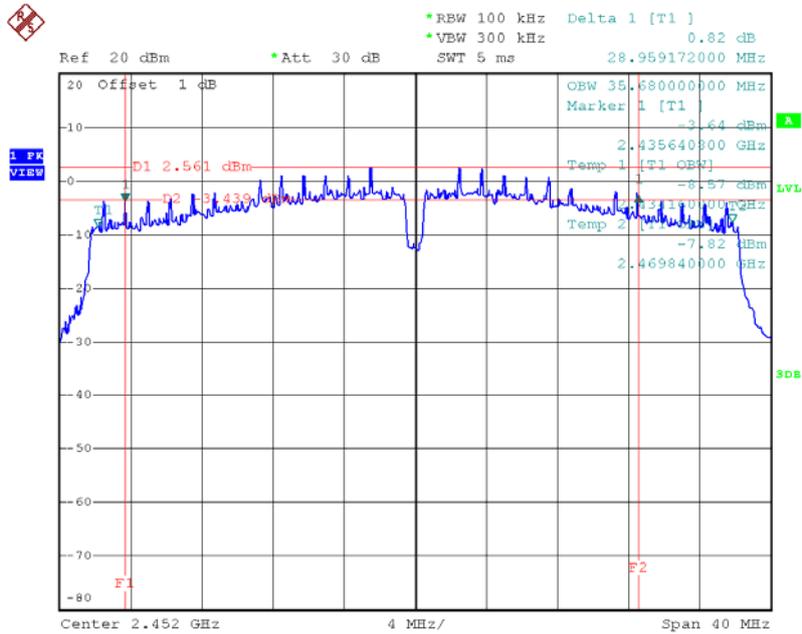
Date: 29.OCT.2015 23:18:24

TX CH06



Date: 29.OCT.2015 23:21:05

TX CH09



Date: 29.OCT.2015 23:25:46

ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode :TX B Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.96	0.05	30.00	1.00	Complies
2437	17.18	0.05	30.00	1.00	Complies
2462	17.66	0.06	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.81	0.05	30.00	1.00	Complies
2437	16.12	0.04	30.00	1.00	Complies
2462	17.09	0.05	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.90	0.10	30.00	1.00	Complies
2437	19.69	0.09	30.00	1.00	Complies
2462	20.39	0.11	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.39	0.14	30.00	1.00	Complies
2437	21.66	0.15	30.00	1.00	Complies
2462	21.86	0.15	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.59	0.14	30.00	1.00	Complies
2437	21.15	0.13	30.00	1.00	Complies
2462	21.48	0.14	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.50	0.28	30.00	1.00	Complies
2437	24.42	0.28	30.00	1.00	Complies
2462	24.68	0.29	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.72	0.15	30.00	1.00	Complies
2437	21.53	0.14	30.00	1.00	Complies
2462	21.57	0.14	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.77	0.15	30.00	1.00	Complies
2437	21.18	0.13	30.00	1.00	Complies
2462	21.26	0.13	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.76	0.30	30.00	1.00	Complies
2437	24.37	0.27	30.00	1.00	Complies
2462	24.43	0.28	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	21.65	0.15	30.00	1.00	Complies
2437	21.87	0.15	30.00	1.00	Complies
2452	21.61	0.14	30.00	1.00	Complies

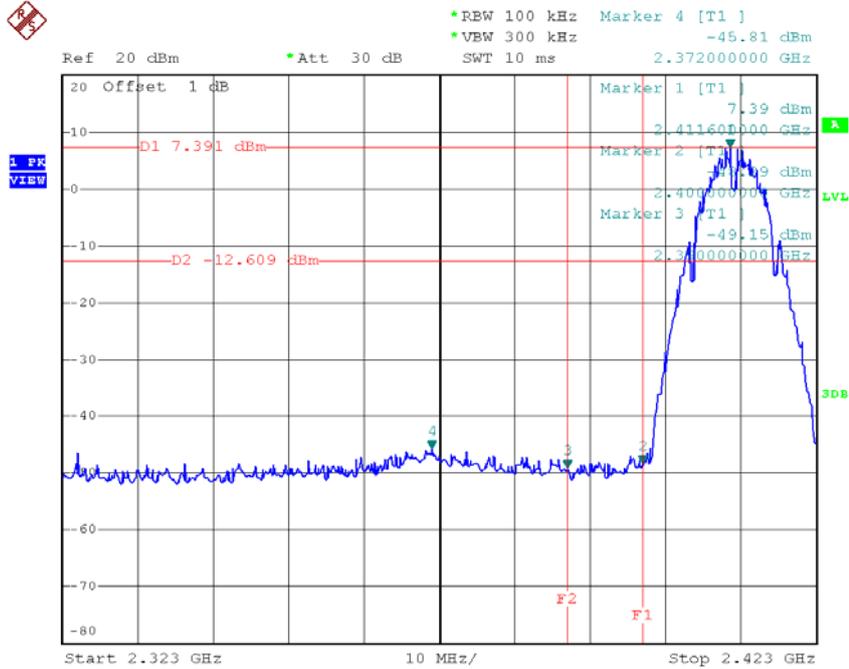
Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	21.77	0.15	30.00	1.00	Complies
2437	21.66	0.15	30.00	1.00	Complies
2452	21.29	0.13	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	24.72	0.30	30.00	1.00	Complies
2437	24.78	0.30	30.00	1.00	Complies
2452	24.46	0.28	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

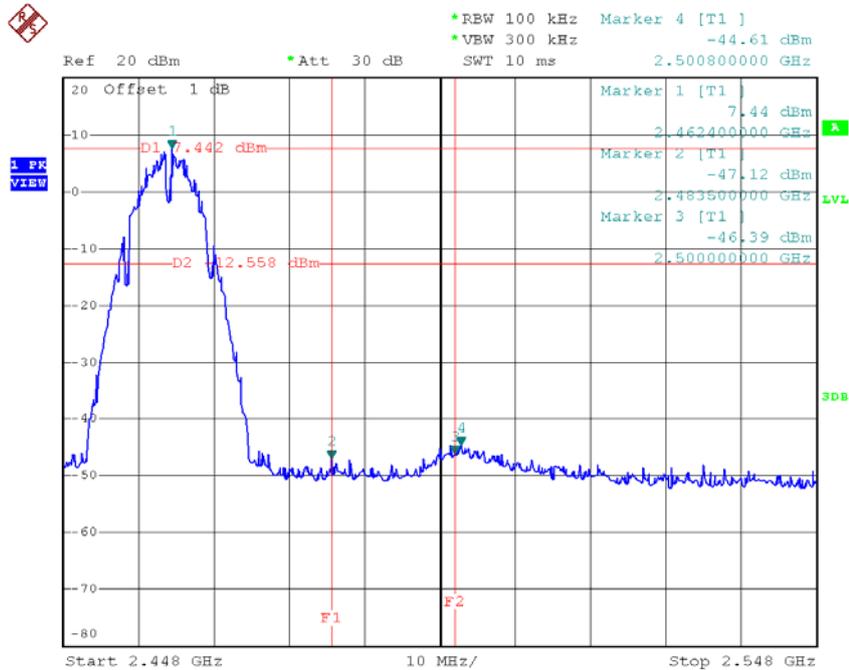
Test Mode :	TX B Mode_ANT 1
-------------	-----------------

TX B mode CH01



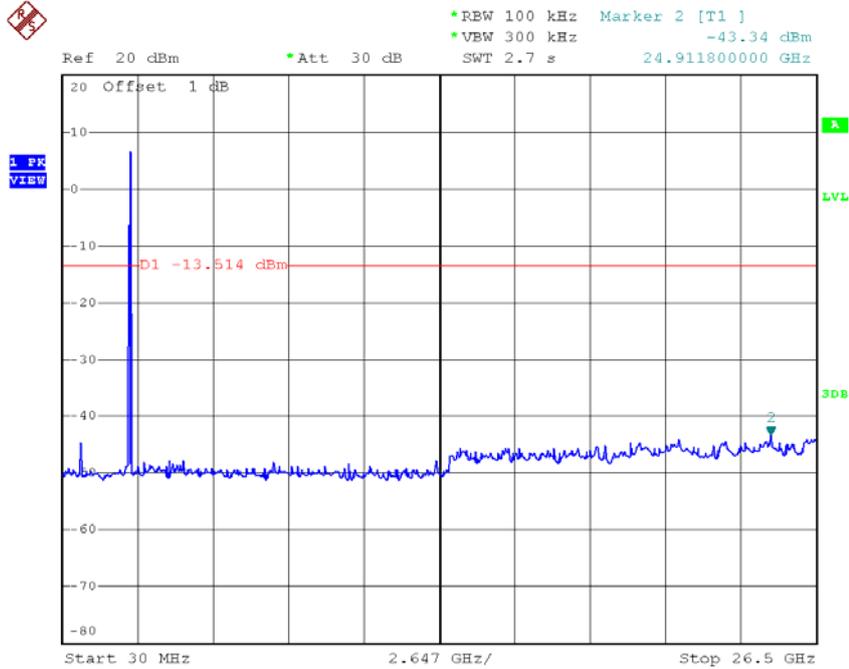
Date: 29.OCT.2015 22:33:18

TX B mode CH11



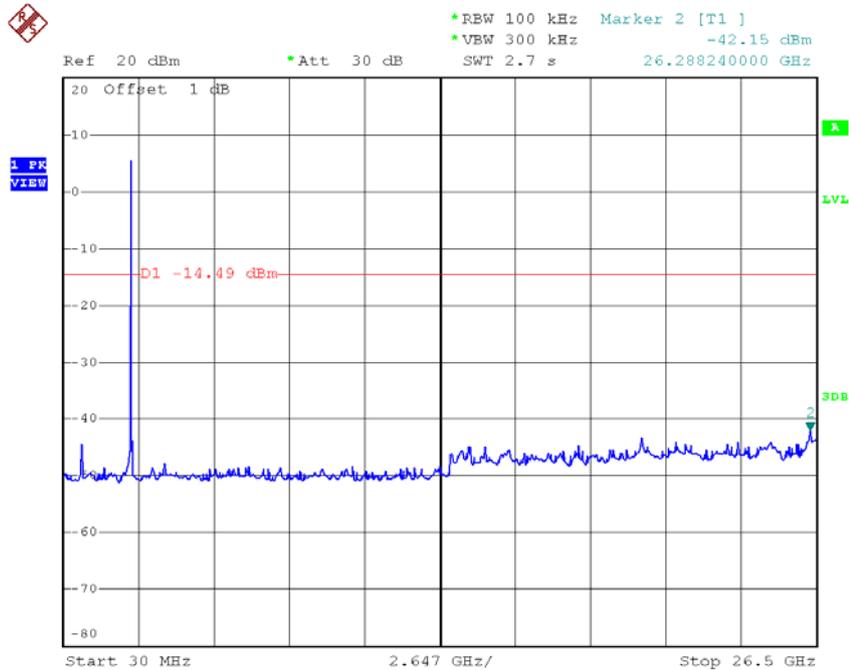
Date: 29.OCT.2015 22:48:03

TX B mode CH01 (10 Harmonic of the frequency)



Date: 29.OCT.2015 22:33:10

TX B mode CH06 (10 Harmonic of the frequency)



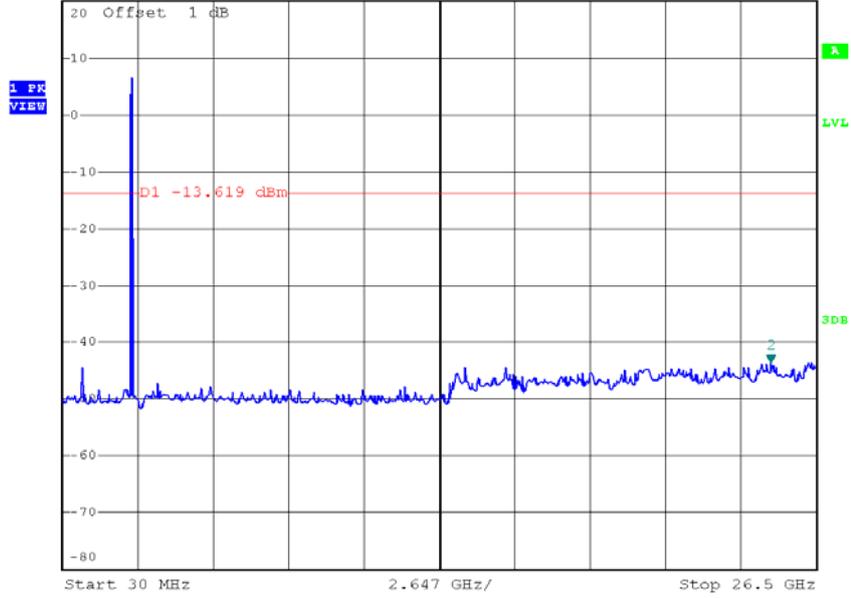
Date: 29.OCT.2015 22:45:21

TX B mode CH11 (10 Harmonic of the frequency)



*REW 100 kHz Marker 2 [T1]
 *VBW 300 kHz -43.57 dBm
 SWT 2.7 s 24.911800000 GHz

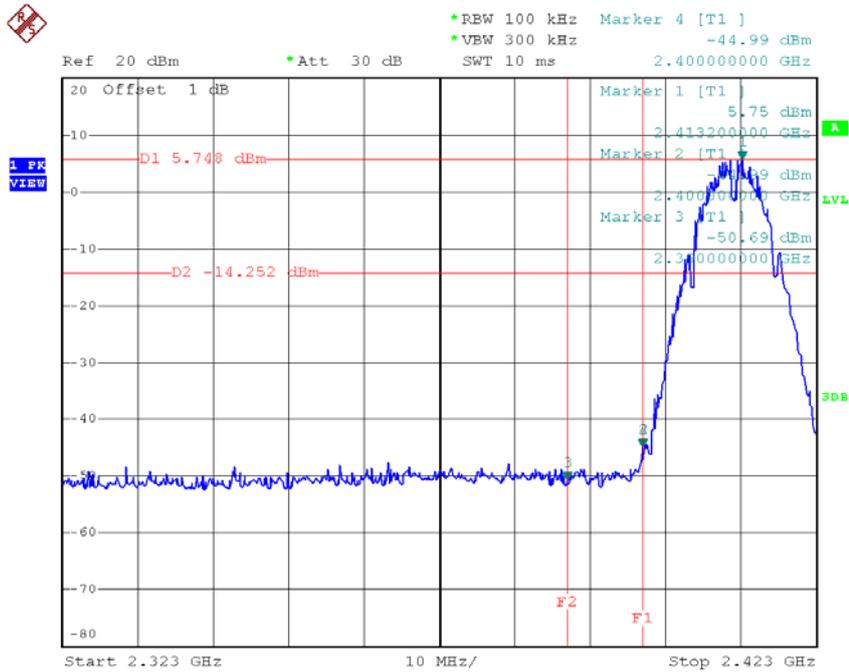
Ref 20 dBm Att 30 dB



Date: 29.OCT.2015 22:47:55

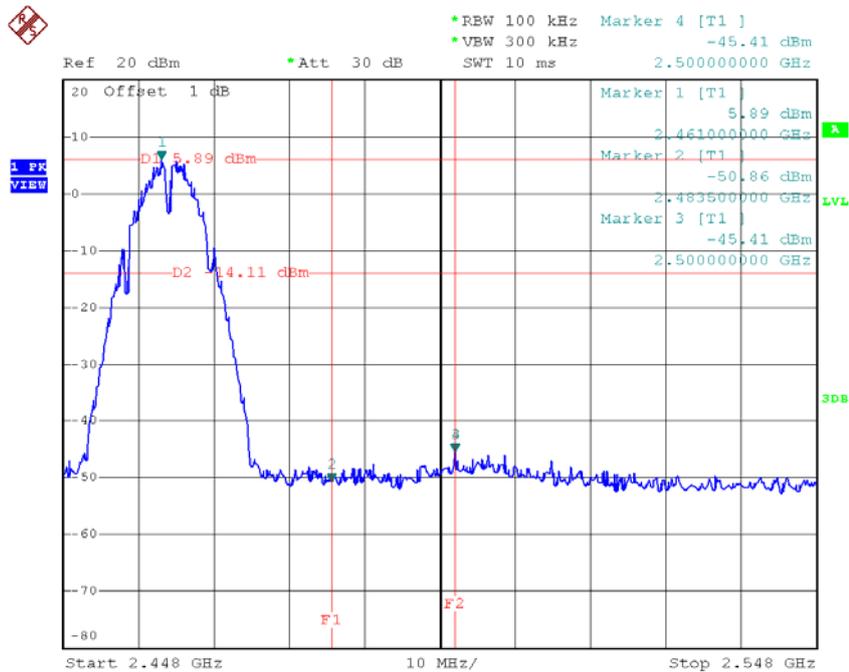
Test Mode :	TX B Mode_ANT 2
--------------------	------------------------

TX B mode CH01



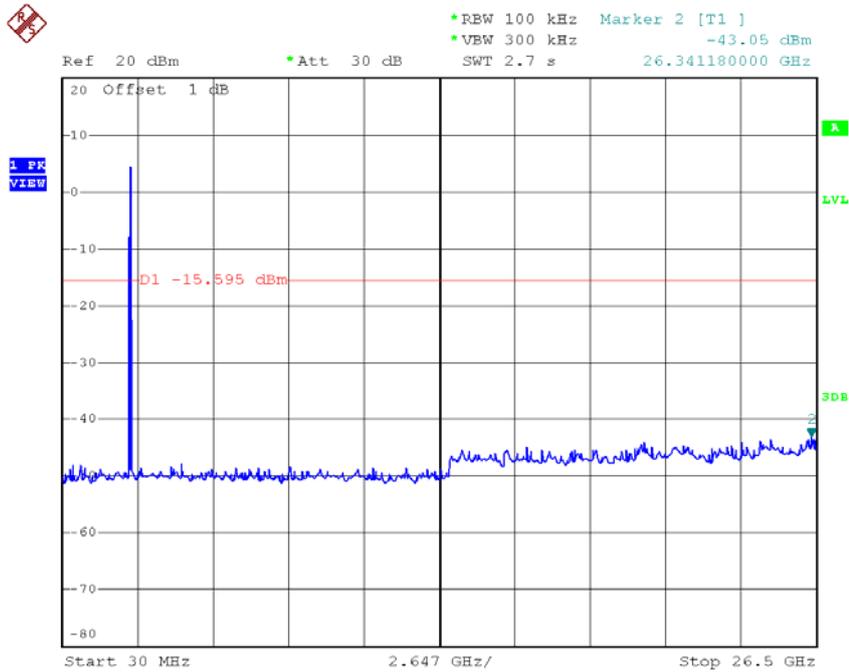
Date: 29.OCT.2015 22:37:09

TX B mode CH11



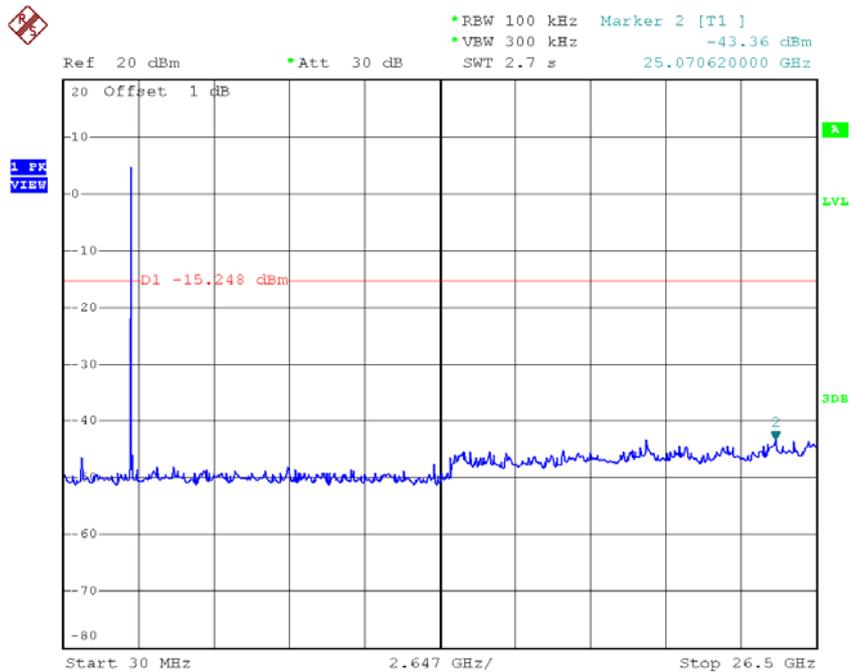
Date: 29.OCT.2015 22:49:49

TX B mode CH01 (10 Harmonic of the frequency)



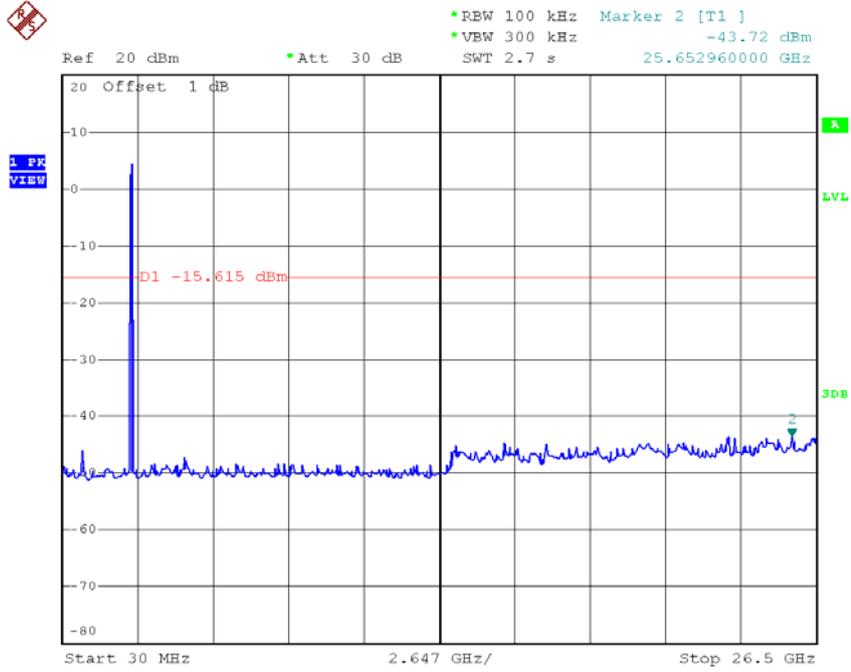
Date: 29.OCT.2015 22:37:01

TX B mode CH06 (10 Harmonic of the frequency)



Date: 29.OCT.2015 22:44:04

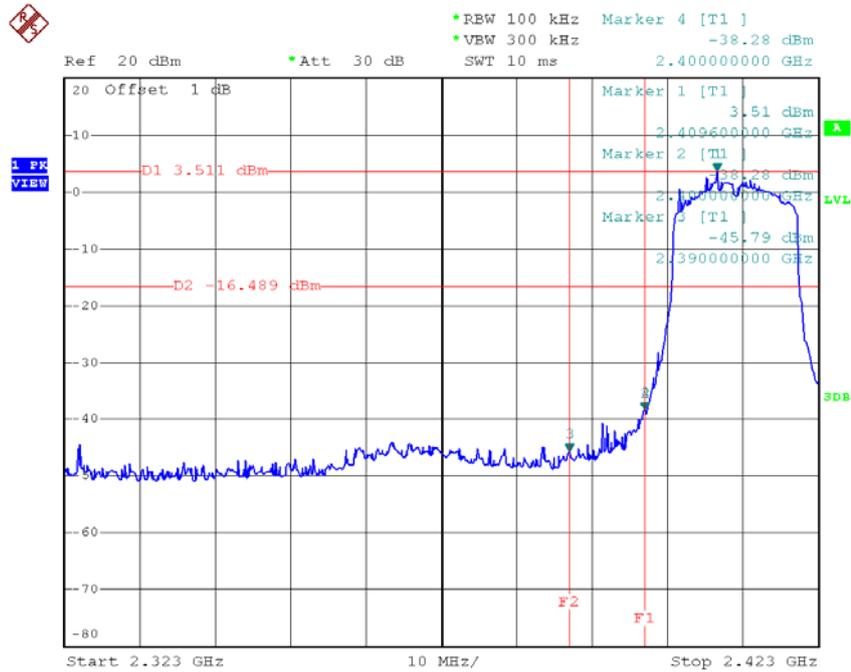
TX B mode CH11 (10 Harmonic of the frequency)



Date: 29.OCT.2015 22:49:41

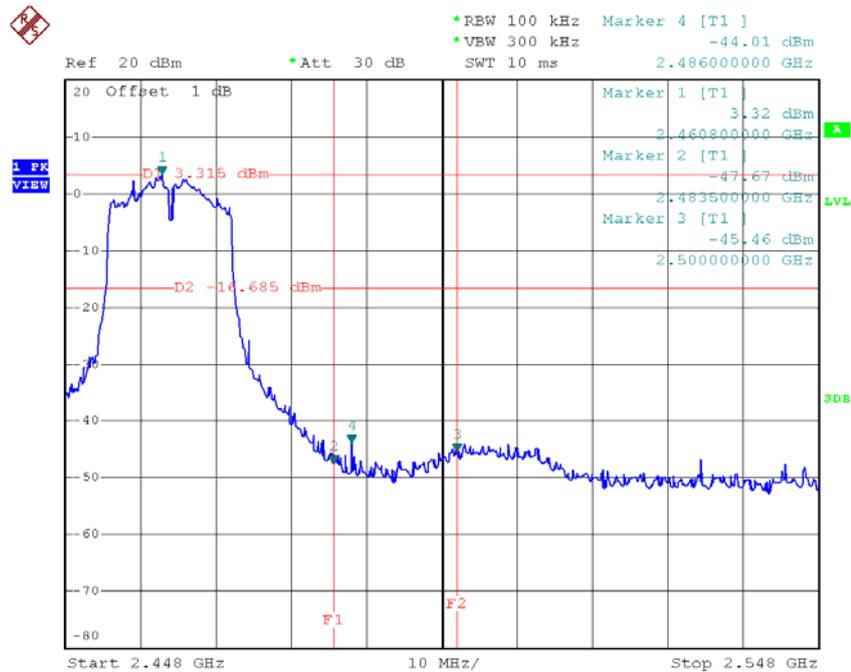
Test Mode :	TX G Mode_ANT 1
-------------	-----------------

TX G mode CH01



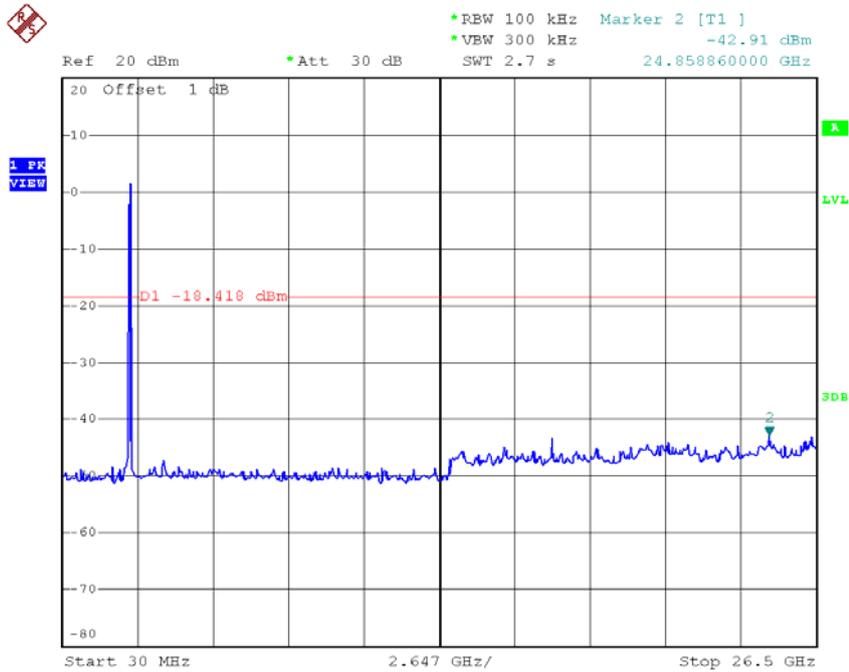
Date: 29.OCT.2015 22:56:09

TX G mode CH11



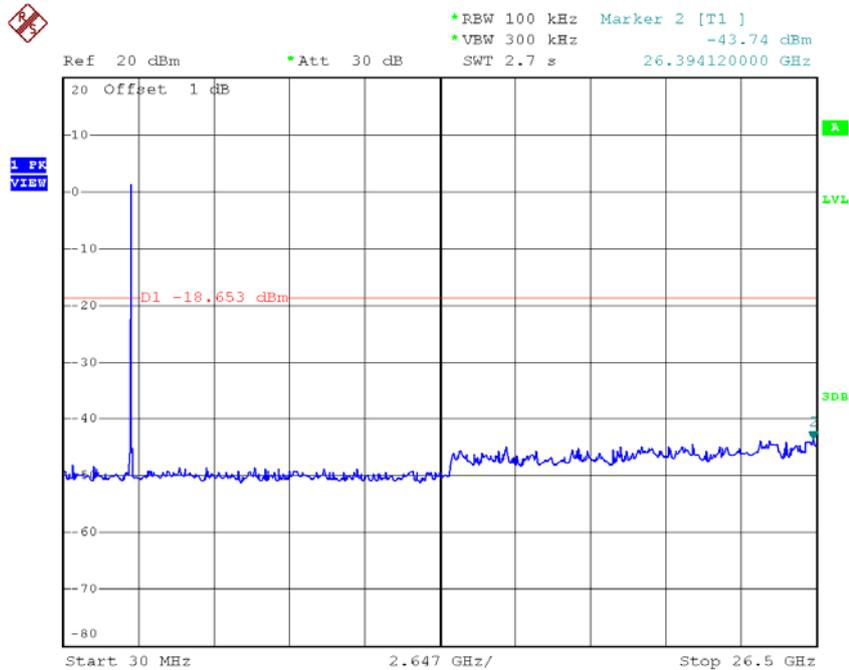
Date: 29.OCT.2015 23:01:31

TX G mode CH01 (10 Harmonic of the frequency)



Date: 29.OCT.2015 22:56:02

TX G mode CH06 (10 Harmonic of the frequency)

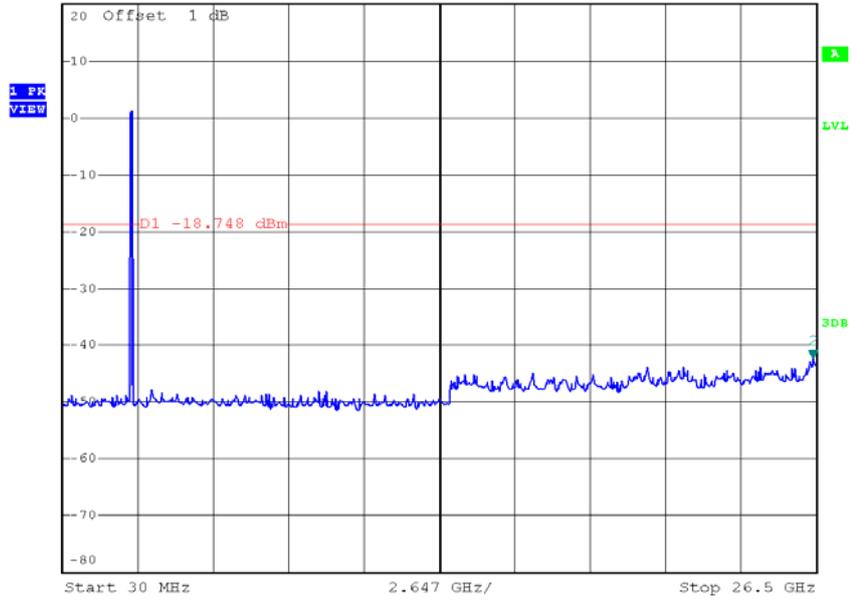


Date: 29.OCT.2015 22:57:41

TX G mode CH11 (10 Harmonic of the frequency)



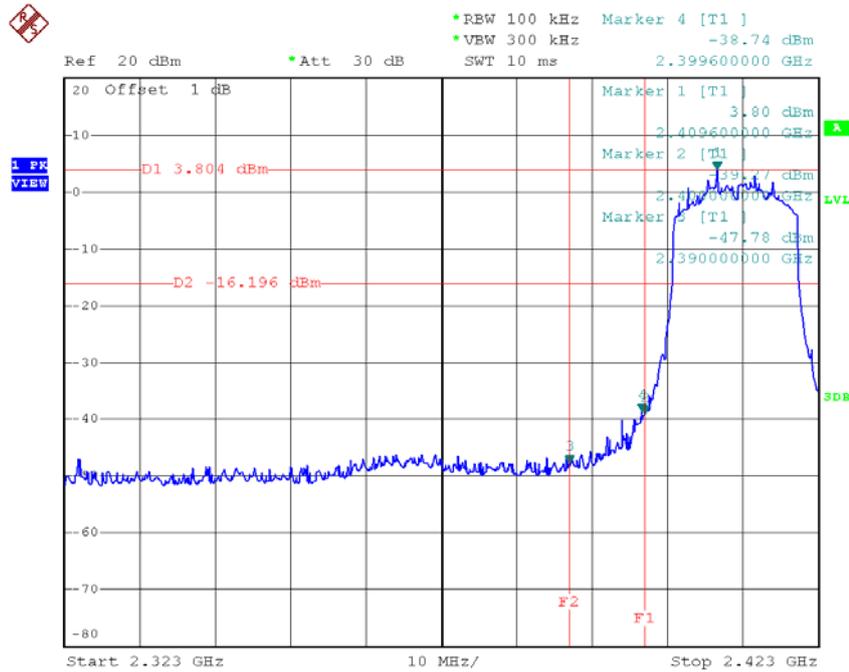
*REW 100 kHz Marker 2 [T1]
 *VBW 300 kHz -42.33 dBm
 Ref 20 dBm *Att 30 dB SWT 2.7 s 26.394120000 GHz



Date: 29.OCT.2015 23:01:23

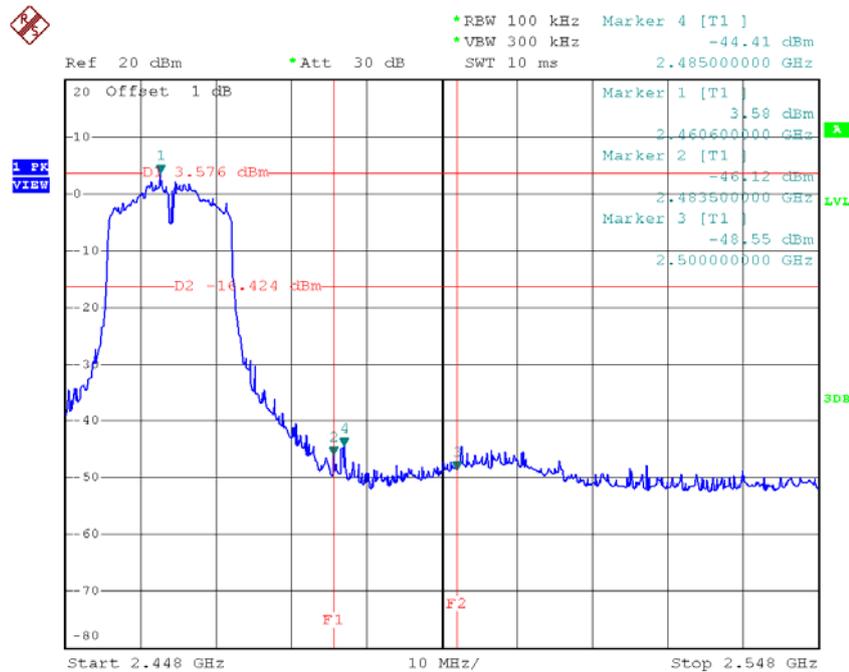
Test Mode :	TX G Mode_ANT 2
-------------	-----------------

TX G mode CH01



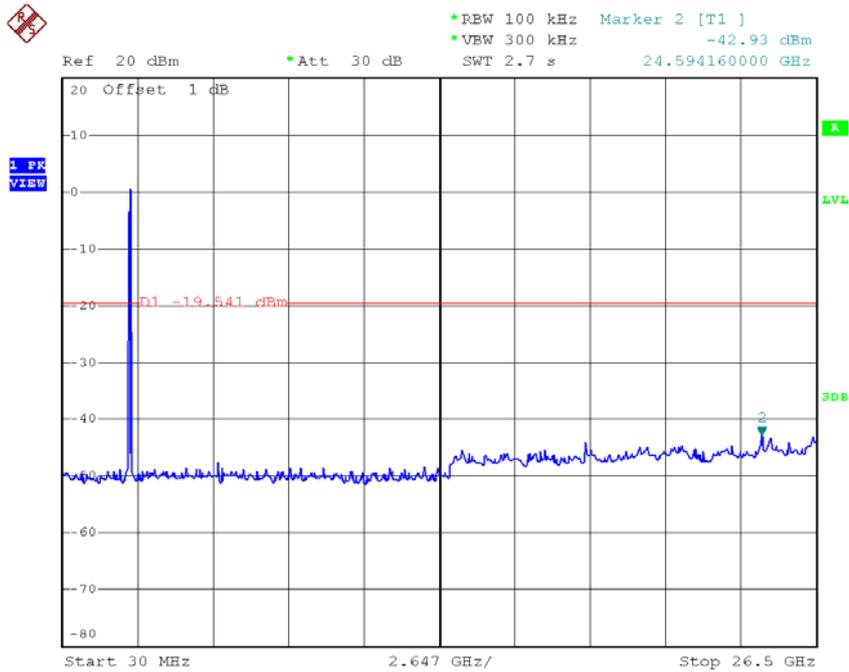
Date: 29.OCT.2015 22:54:44

TX G mode CH11



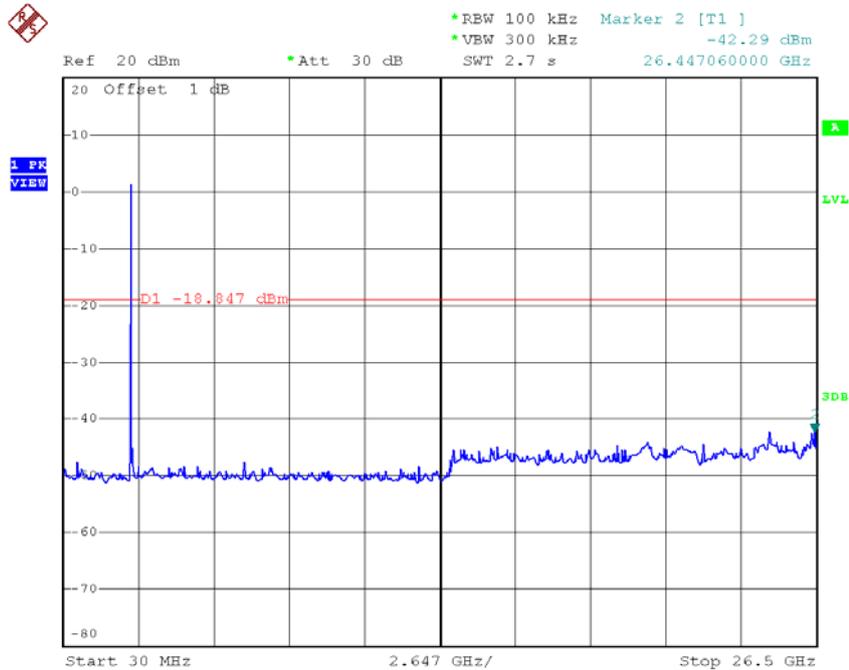
Date: 29.OCT.2015 23:00:18

TX G mode CH01 (10 Harmonic of the frequency)



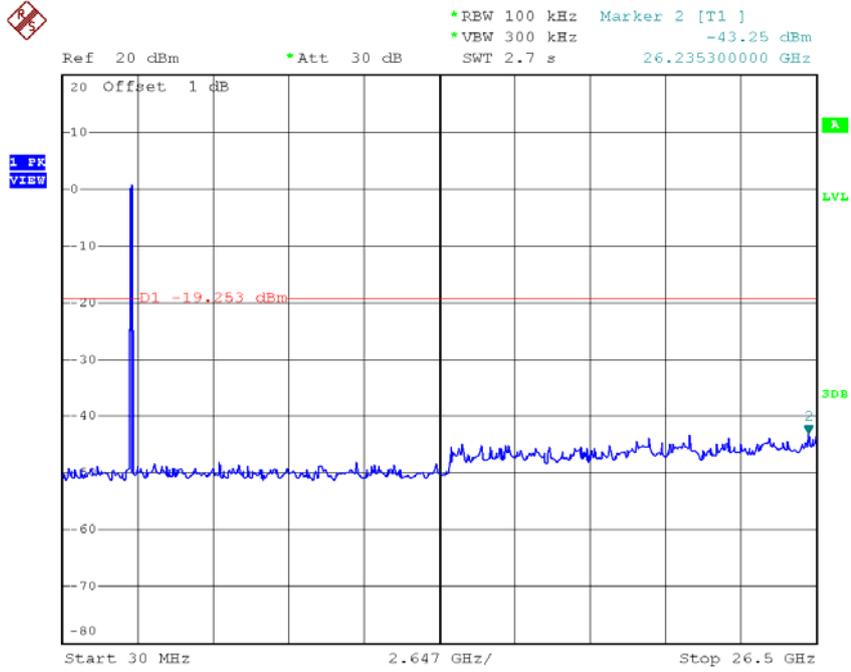
Date: 29.OCT.2015 22:54:36

TX G mode CH06 (10 Harmonic of the frequency)



Date: 29.OCT.2015 22:58:56

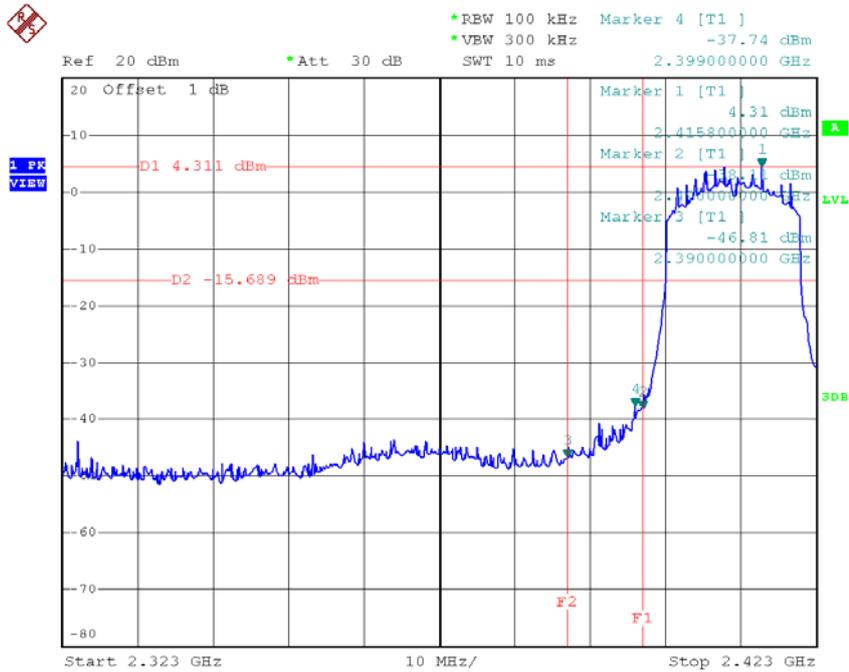
TX G mode CH11 (10 Harmonic of the frequency)



Date: 29.OCT.2015 23:00:10

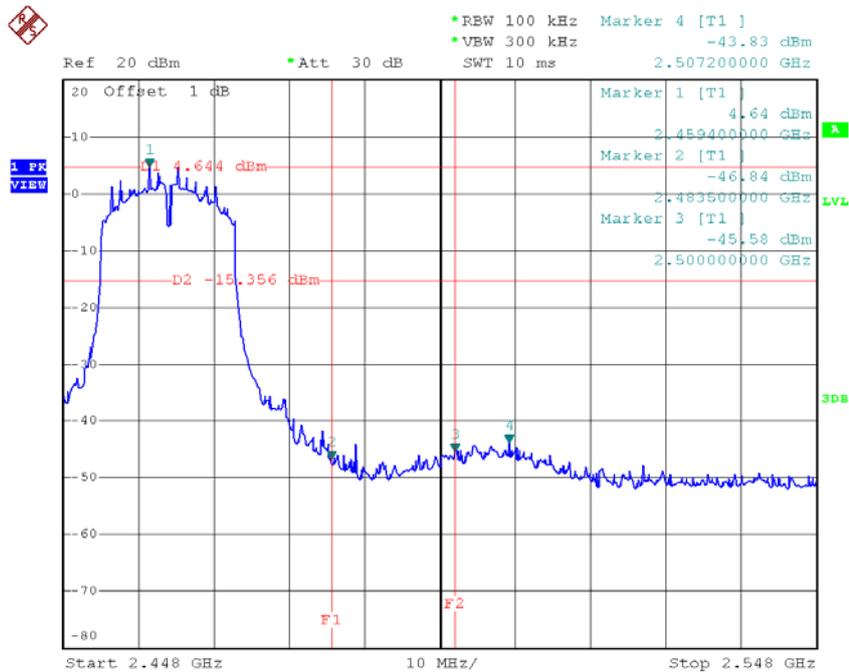
Test Mode :	TX N-20M Mode_ANT 1
-------------	---------------------

TX HT20 mode CH01



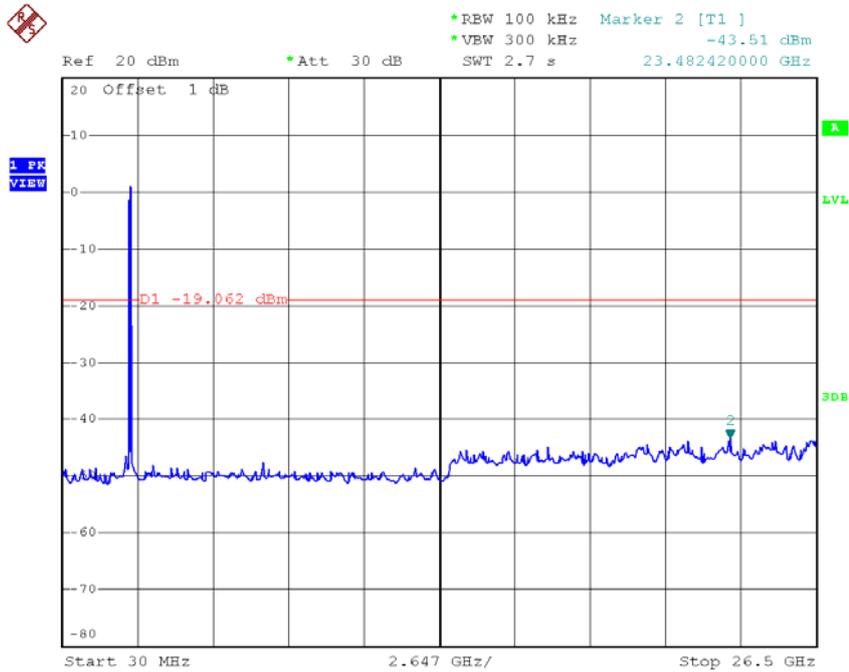
Date: 29.OCT.2015 23:04:57

TX HT20 mode CH11



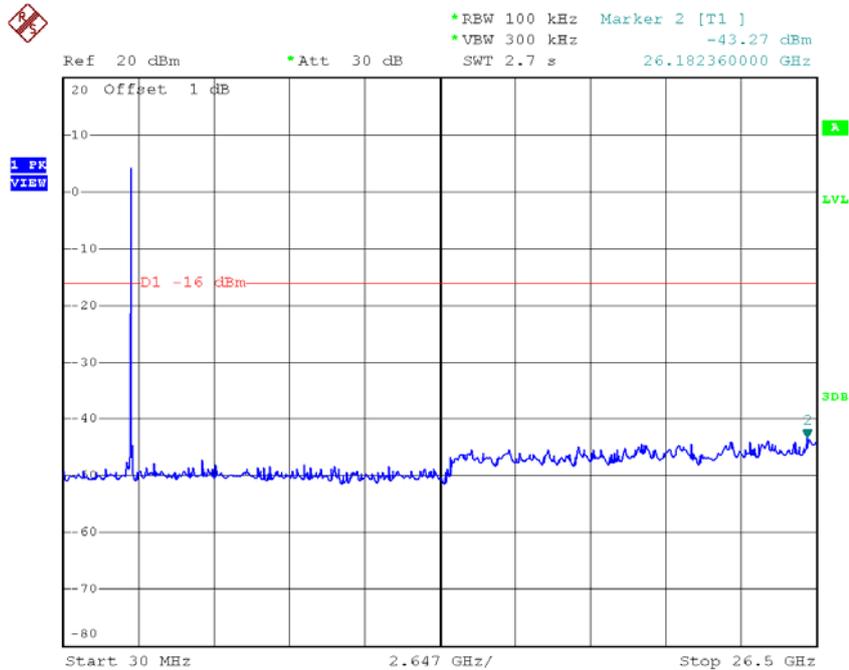
Date: 29.OCT.2015 23:11:07

TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 29.OCT.2015 23:04:49

TX HT20 mode CH06 (10 Harmonic of the frequency)

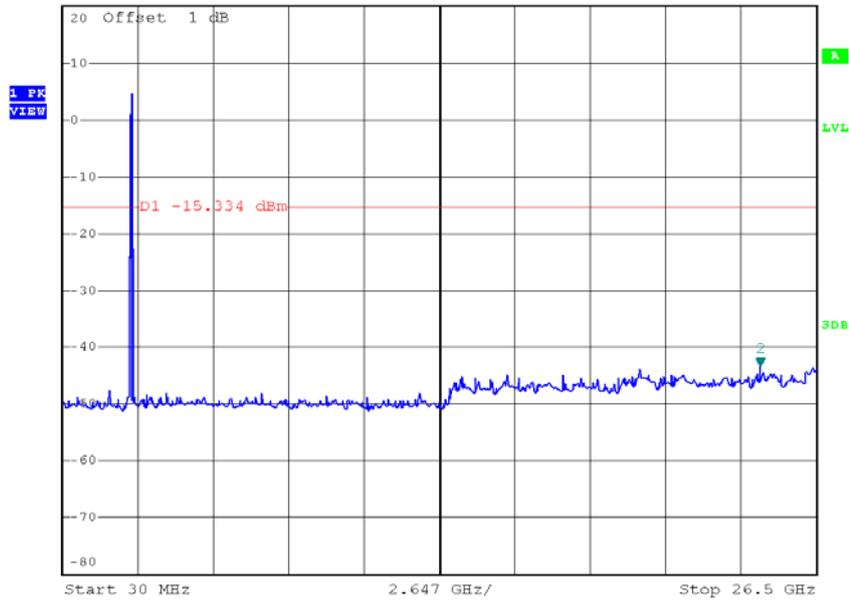


Date: 29.OCT.2015 23:09:23

TX HT20 mode CH11 (10 Harmonic of the frequency)



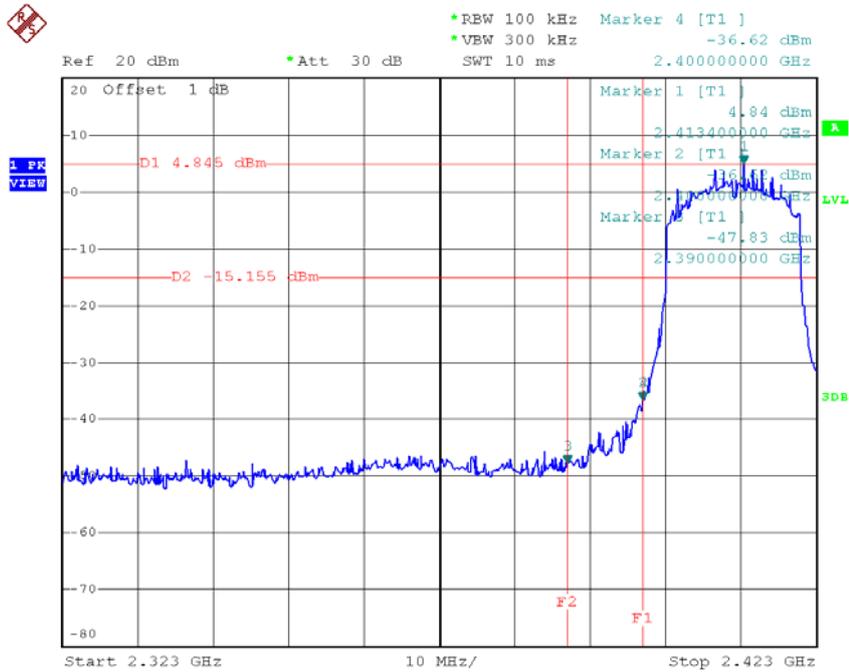
*REW 100 kHz Marker 2 [T1]
*VBW 300 kHz -43.26 dBm
Ref 20 dBm Att 30 dB SWT 2.7 s 24.541220000 GHz



Date: 29.OCT.2015 23:11:00

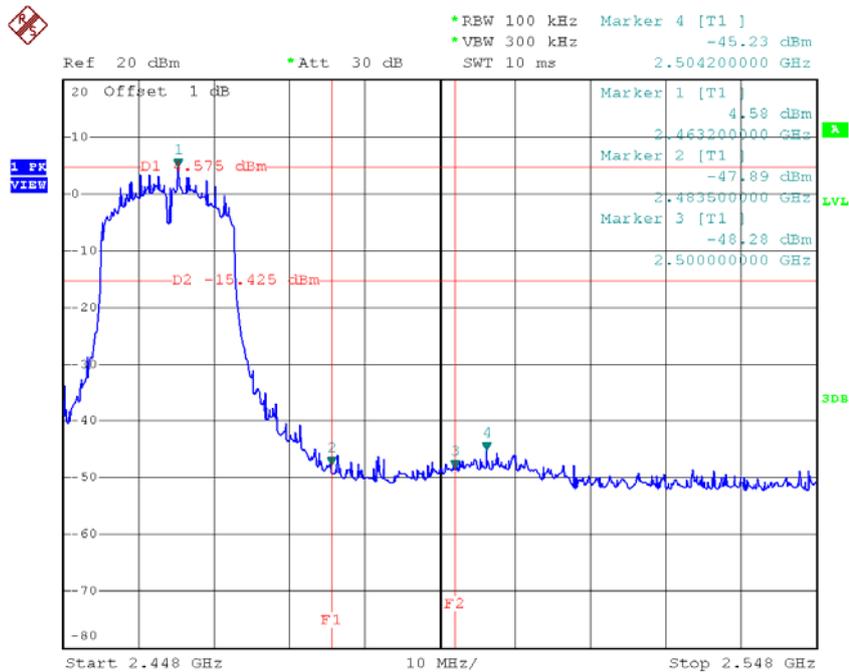
Test Mode :	TX N-20M Mode_ANT 2
--------------------	----------------------------

TX HT20 mode CH01



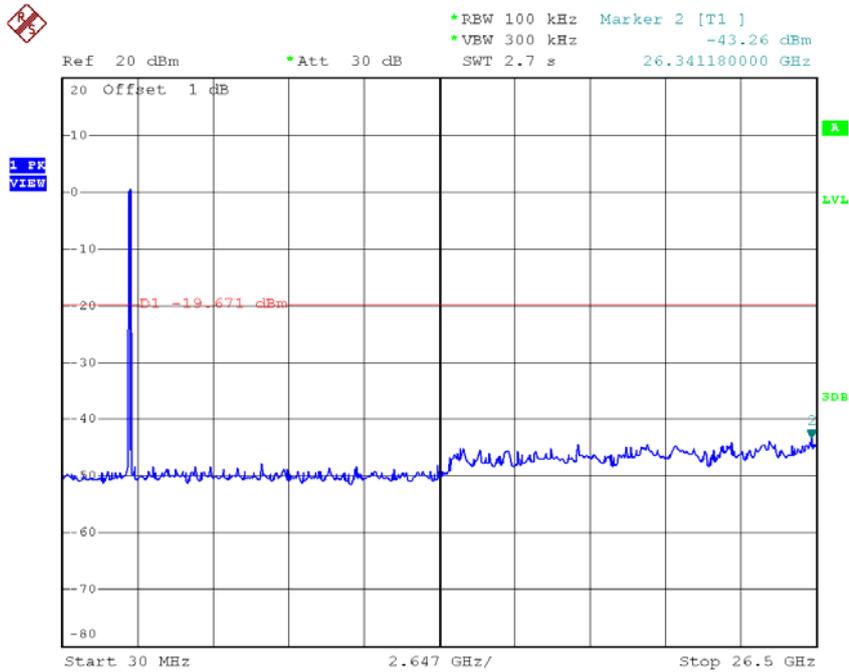
Date: 29.OCT.2015 23:05:57

TX HT20 mode CH11



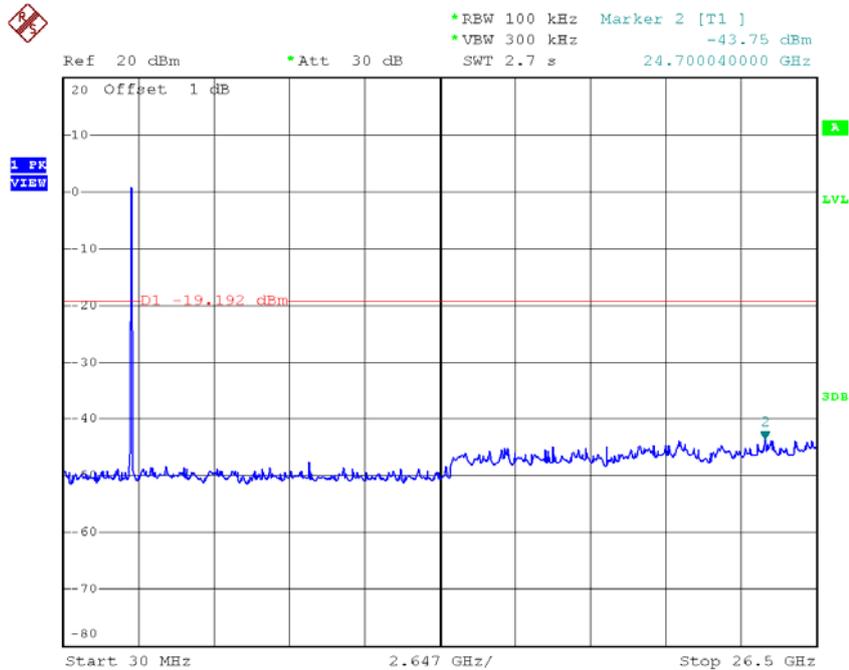
Date: 29.OCT.2015 23:12:24

TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 29.OCT.2015 23:05:50

TX HT20 mode CH06 (10 Harmonic of the frequency)

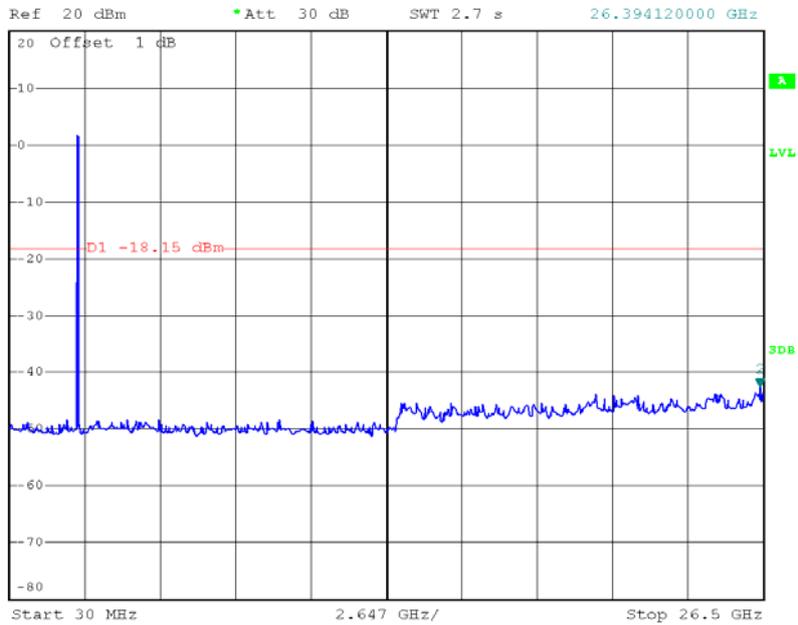


Date: 29.OCT.2015 23:07:35

TX HT20 mode CH11 (10 Harmonic of the frequency)



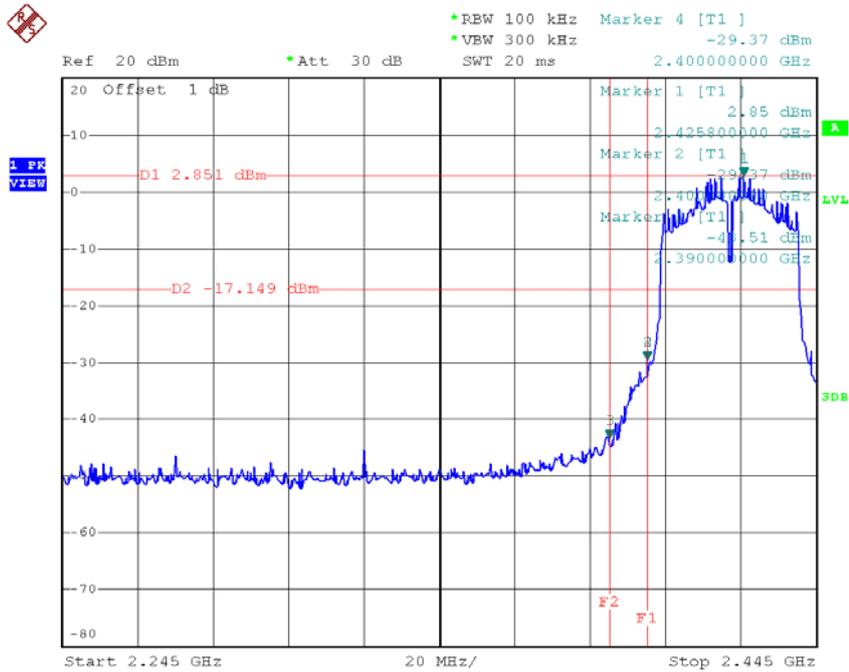
*REW 100 kHz Marker 2 [T1]
*VBW 300 kHz -42.57 dBm
SWT 2.7 s 26.394120000 GHz



Date: 29.OCT.2015 23:12:16

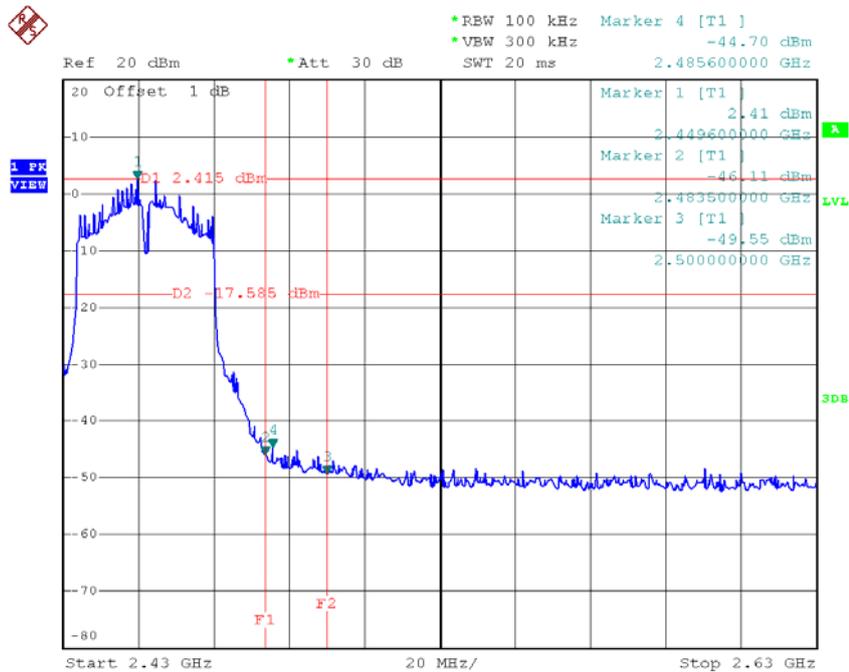
Test Mode :	TX N-40M Mode_ANT 1
-------------	---------------------

TX HT40 mode CH03



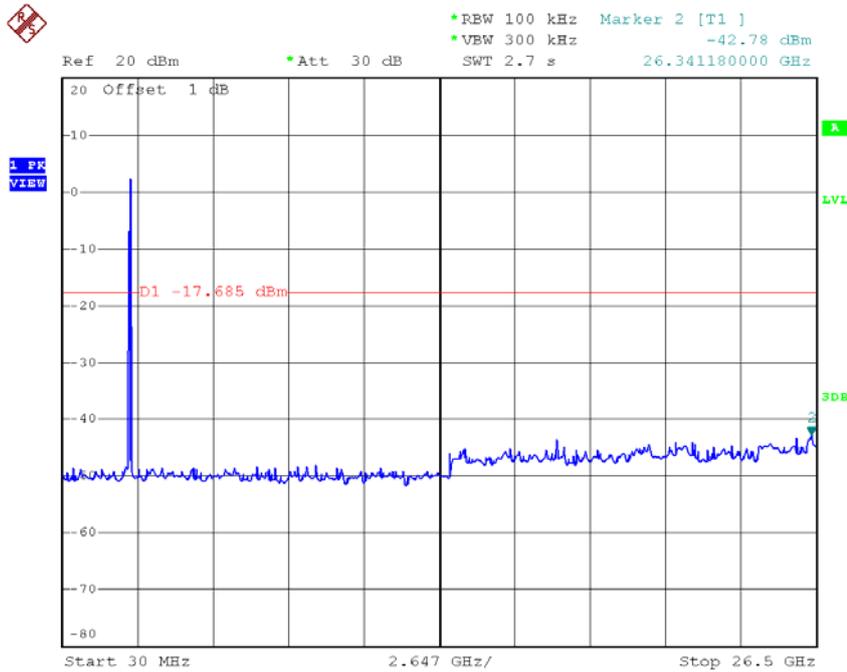
Date: 29.OCT.2015 23:18:46

TX HT40 mode CH09



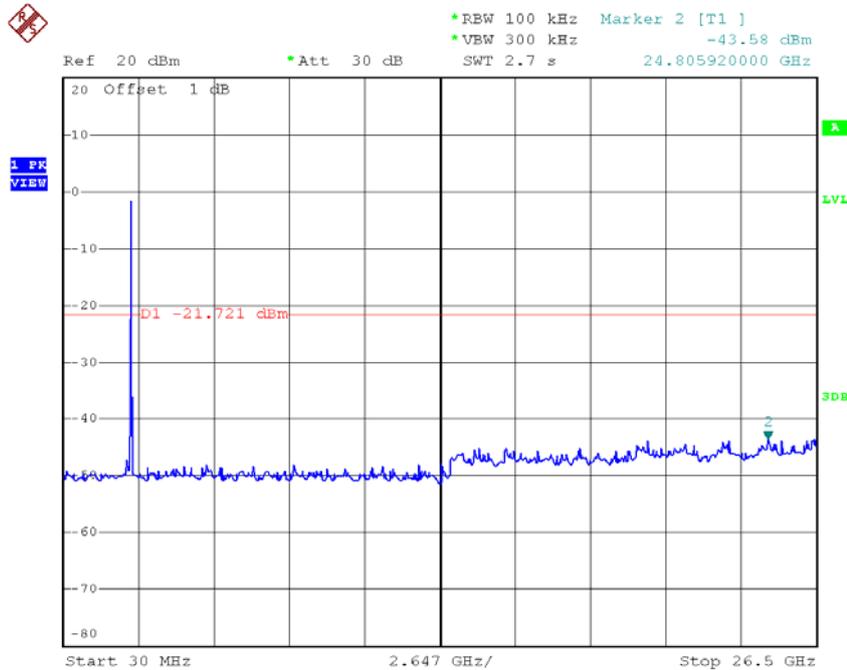
Date: 29.OCT.2015 23:26:08

TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 29.OCT.2015 23:18:38

TX HT40 mode CH06 (10 Harmonic of the frequency)

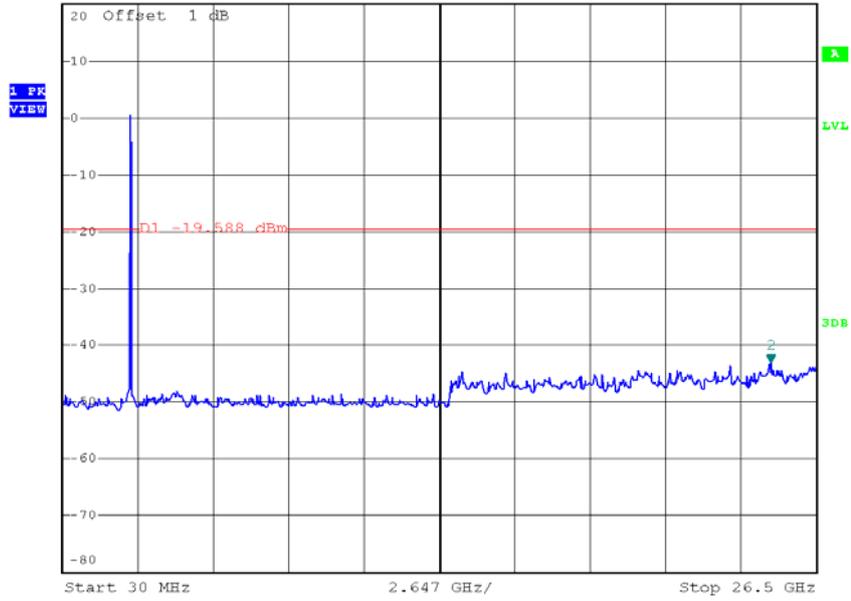


Date: 29.OCT.2015 23:21:19

TX HT40 mode CH09 (10 Harmonic of the frequency)



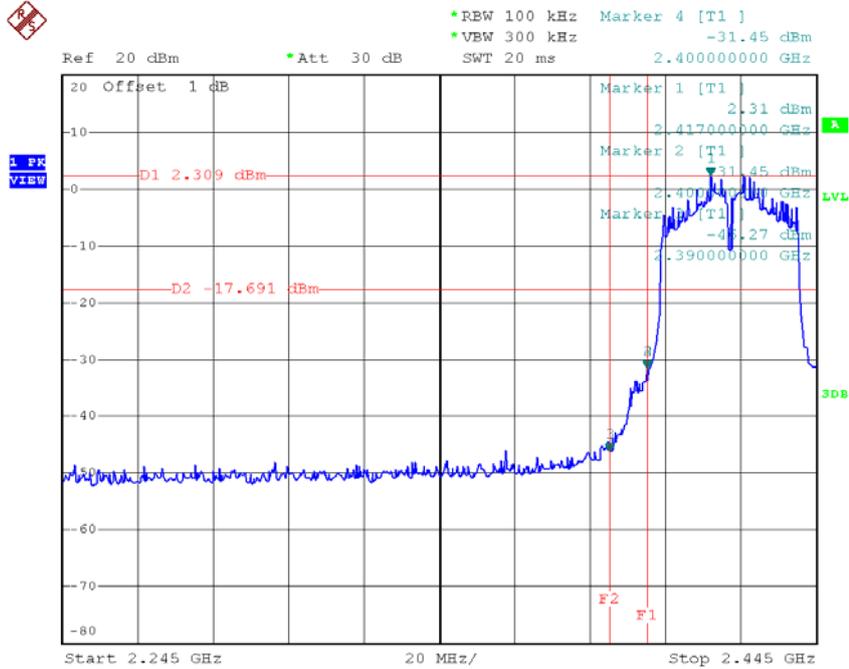
Ref 20 dBm *Att 30 dB *REW 100 kHz Marker 2 [T1]
*VBW 300 kHz -43.07 dBm
SWT 2.7 s 24.911800000 GHz



Date: 29.OCT.2015 23:26:00

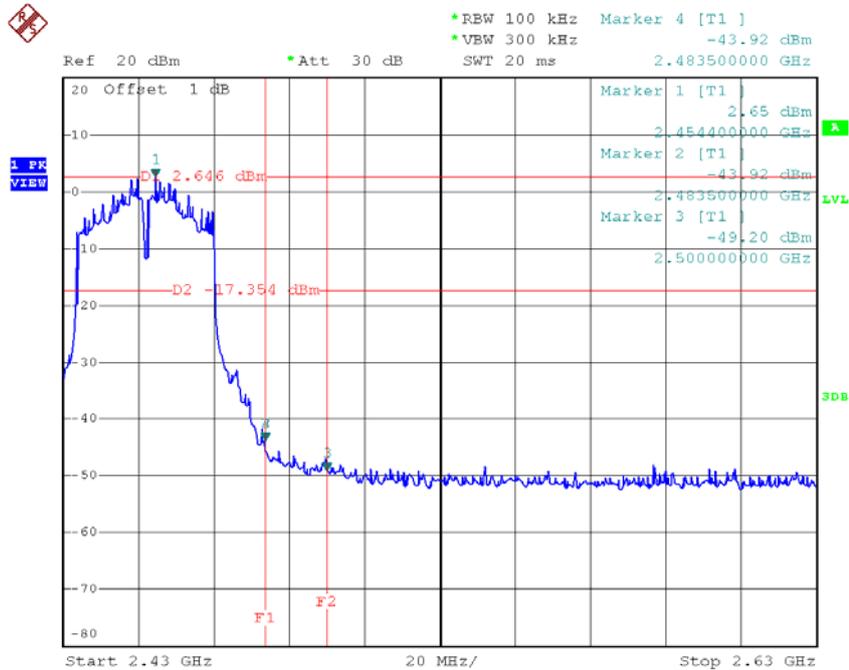
Test Mode :	TX N-40M Mode_ANT 2
-------------	---------------------

TX HT40 mode CH03



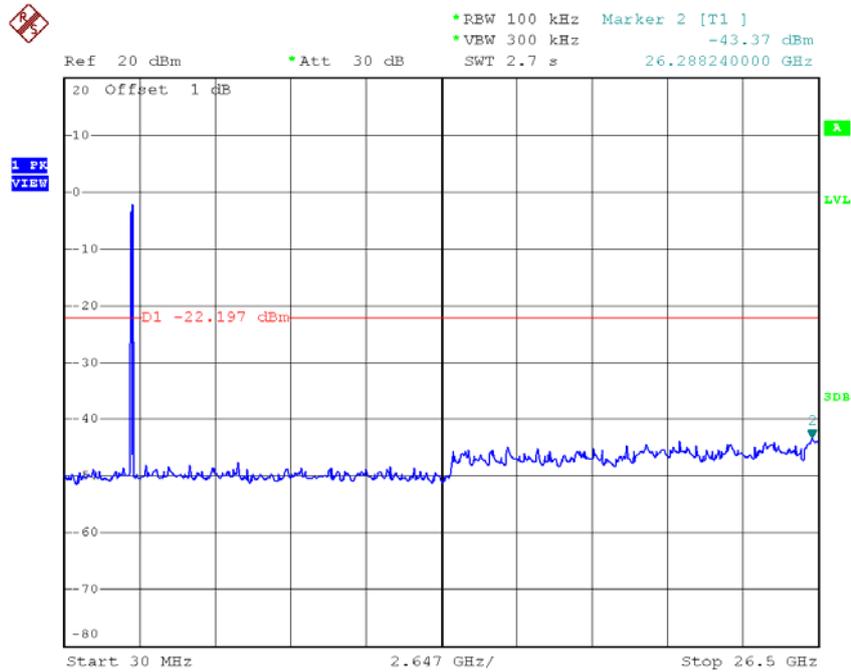
Date: 29.OCT.2015 23:16:39

TX HT40 mode CH09



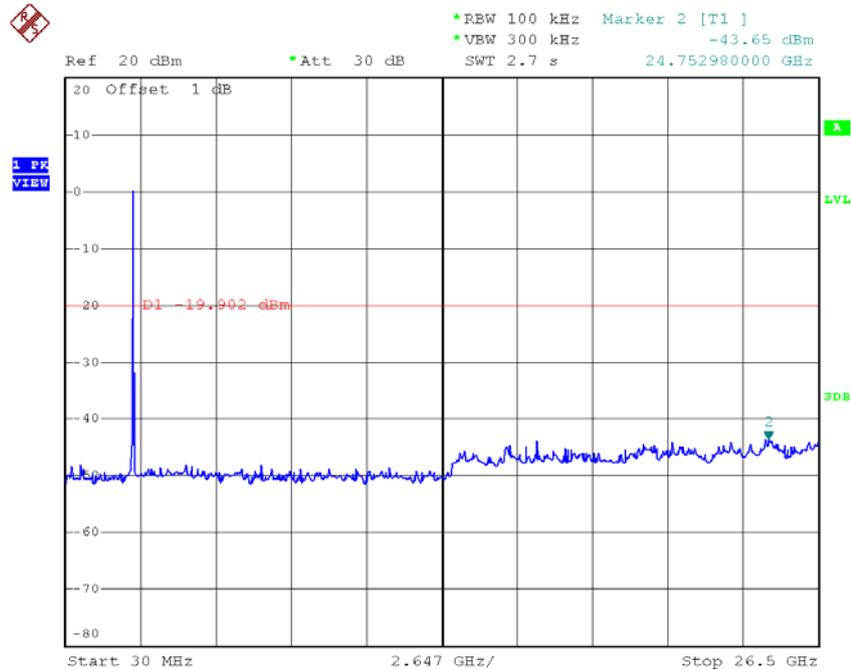
Date: 29.OCT.2015 23:24:30

TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 29.OCT.2015 23:16:31

TX HT40 mode CH06 (10 Harmonic of the frequency)

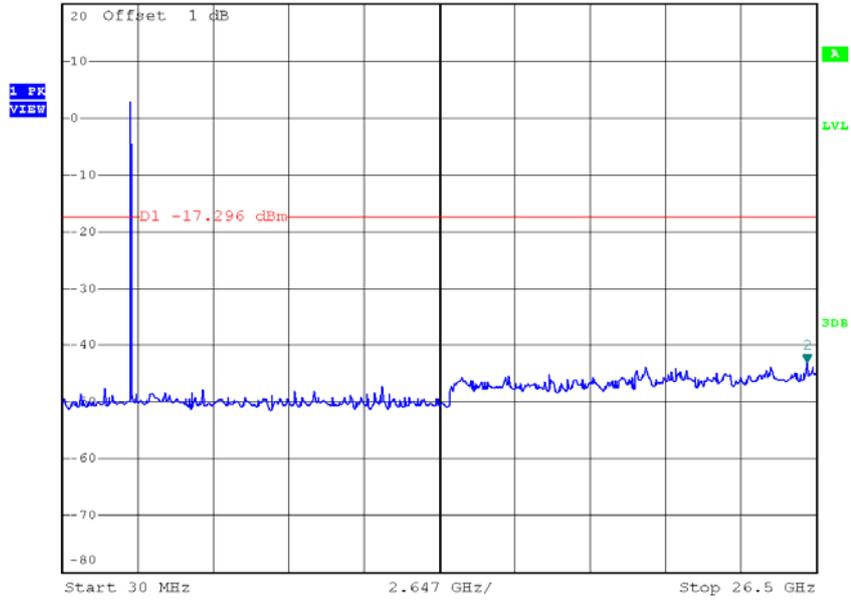


Date: 29.OCT.2015 23:22:40

TX HT40 mode CH09 (10 Harmonic of the frequency)



Ref 20 dBm Att 30 dB REW 100 kHz Marker 2 [T1]
VBW 300 kHz -43.19 dBm
SWT 2.7 s 26.182360000 GHz



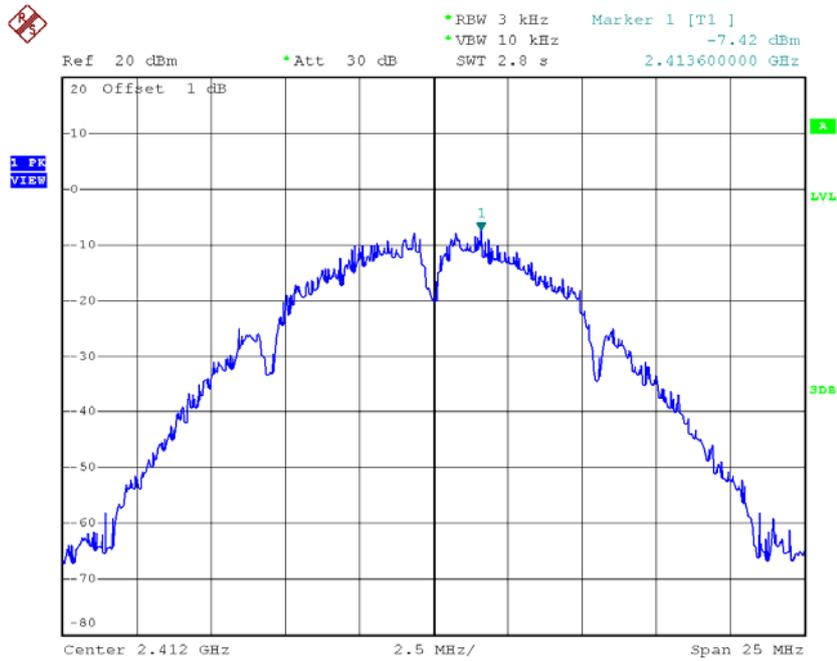
Date: 29.OCT.2015 23:24:22

ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode_CH01/06/11_ANT 1

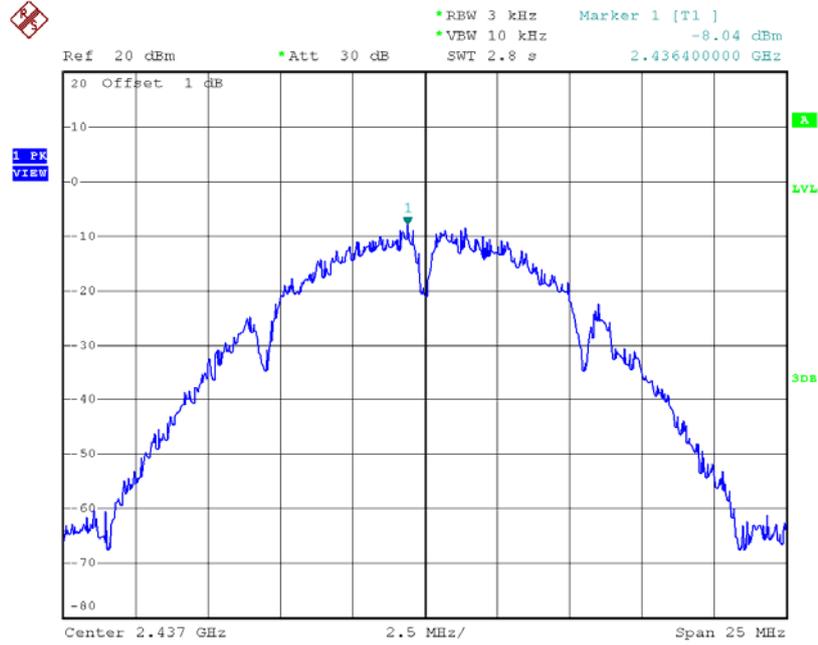
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-7.42	0.18	8.00	Complies
2437	-7.61	0.17	8.00	Complies
2462	-7.05	0.20	8.00	Complies

TX CH01



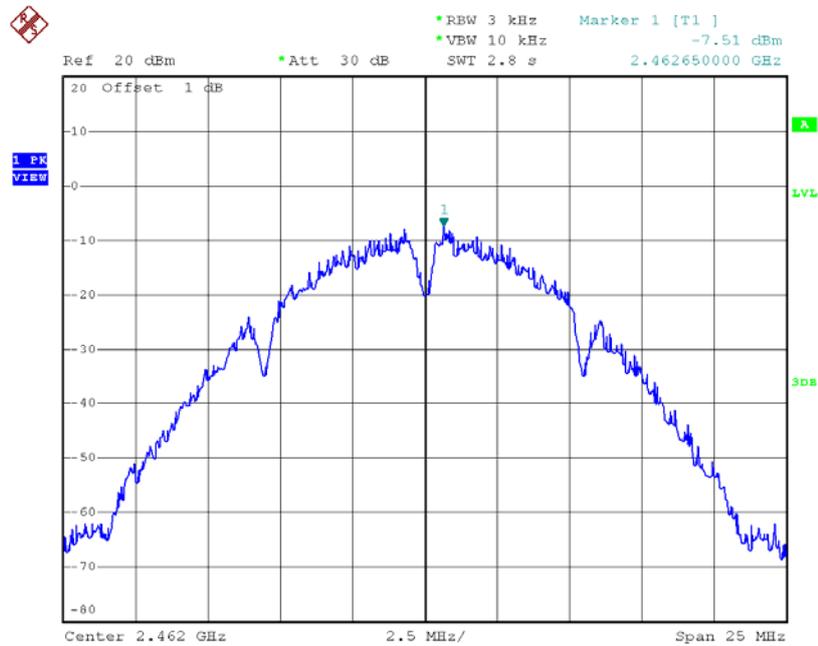
Date: 29.OCT.2015 22:33:27

TX CH06



Date: 29.OCT.2015 22:44:13

TX CH11

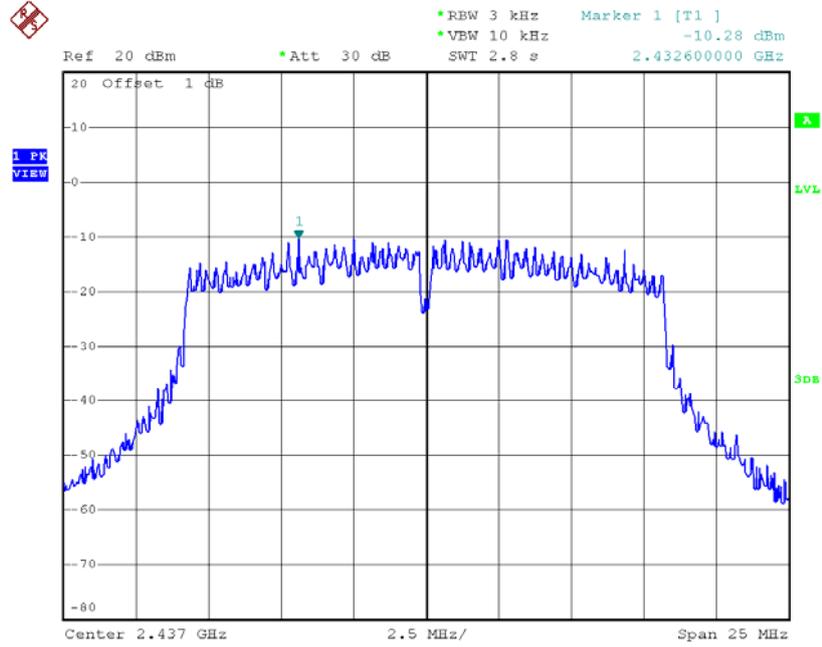


Date: 29.OCT.2015 22:49:58

Test Mode :TX B Mode_CH01/06/11_Total

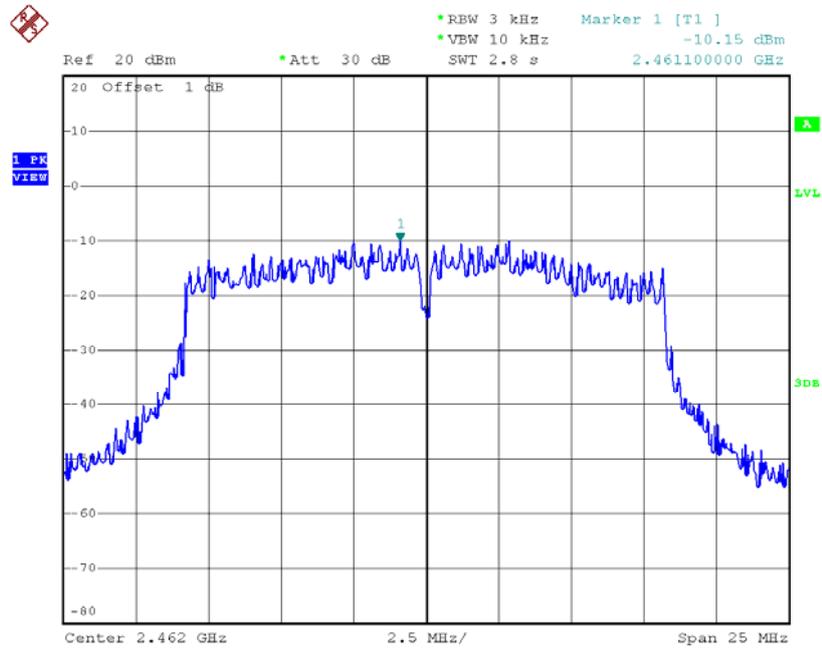
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-4.69	0.34	8.00	Complies
2437	-4.81	0.33	8.00	Complies
2462	-4.20	0.38	8.00	Complies

TX CH06



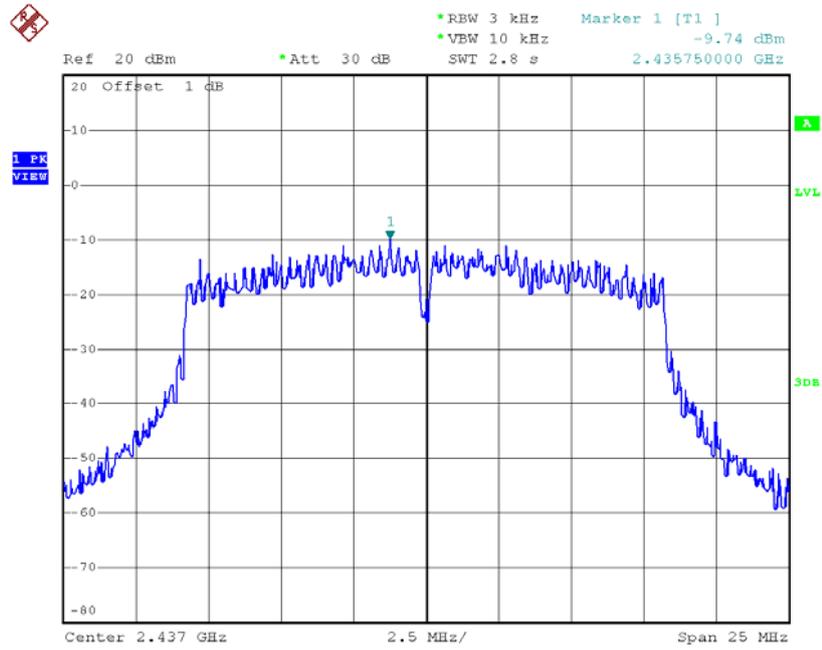
Date: 29.OCT.2015 22:57:50

TX CH11



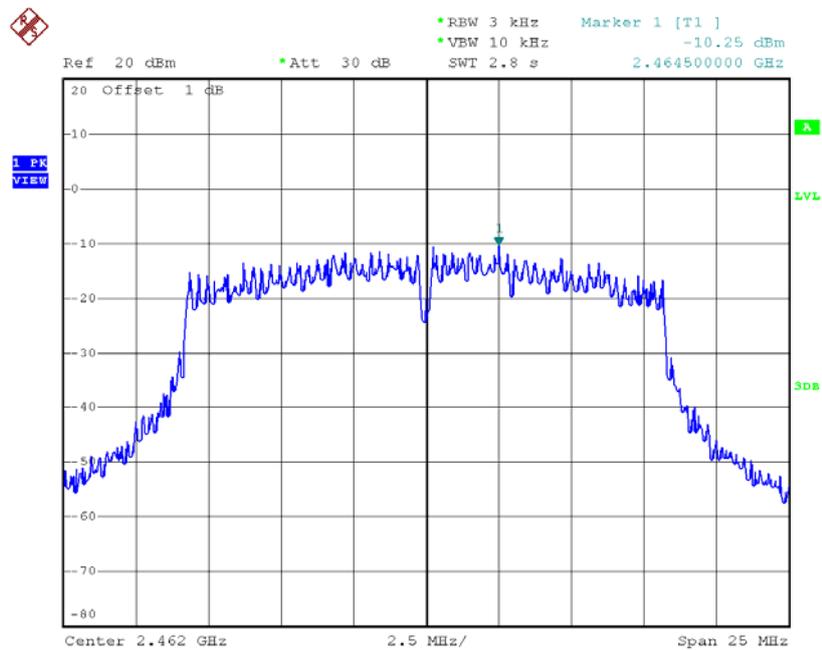
Date: 29.OCT.2015 23:01:40

TX CH06



Date: 29.OCT.2015 22:59:05

TX CH11

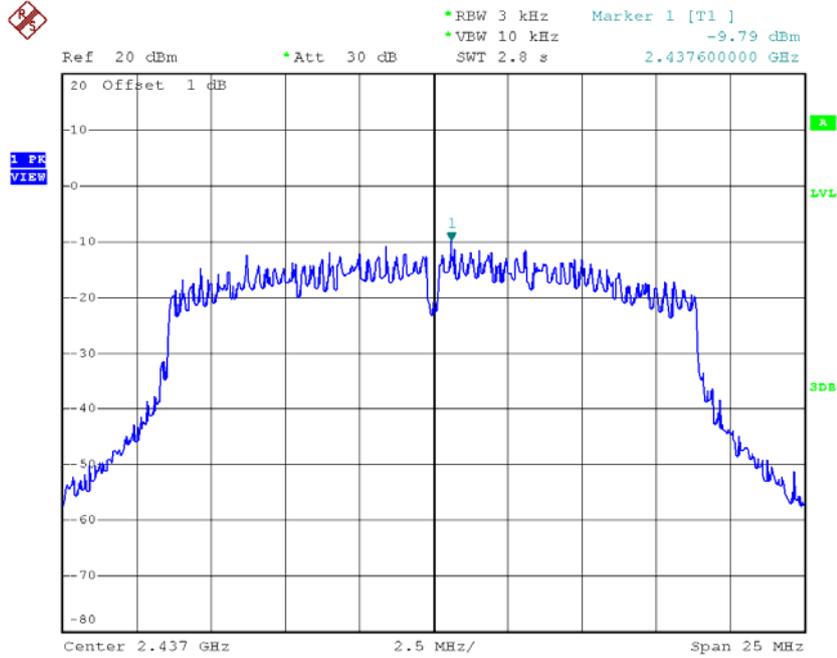


Date: 29.OCT.2015 23:00:27

Test Mode :TX G Mode_CH01/06/11_Total

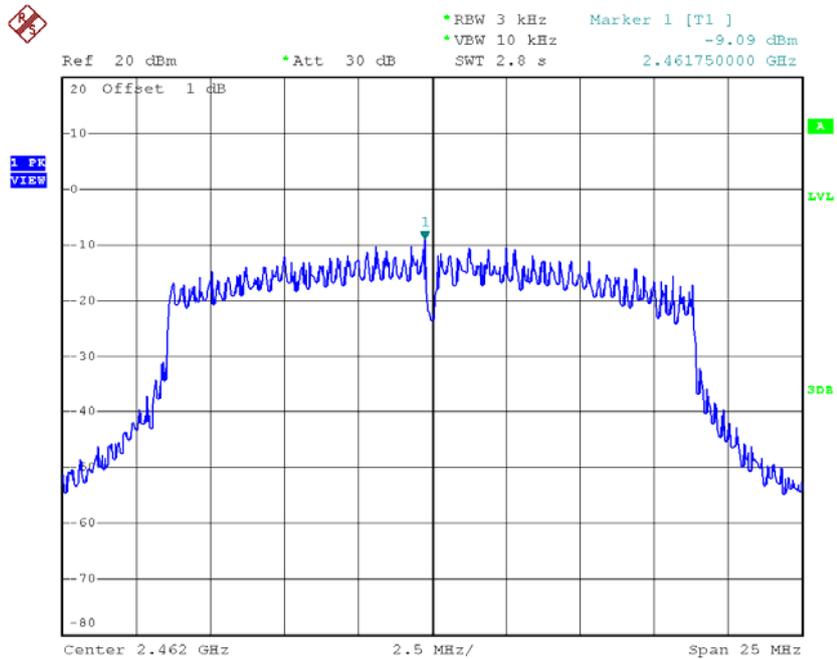
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-6.20	0.24	8.00	Complies
2437	-6.99	0.20	8.00	Complies
2462	-7.21	0.19	8.00	Complies

TX CH06



Date: 29.OCT.2015 23:09:32

TX CH11

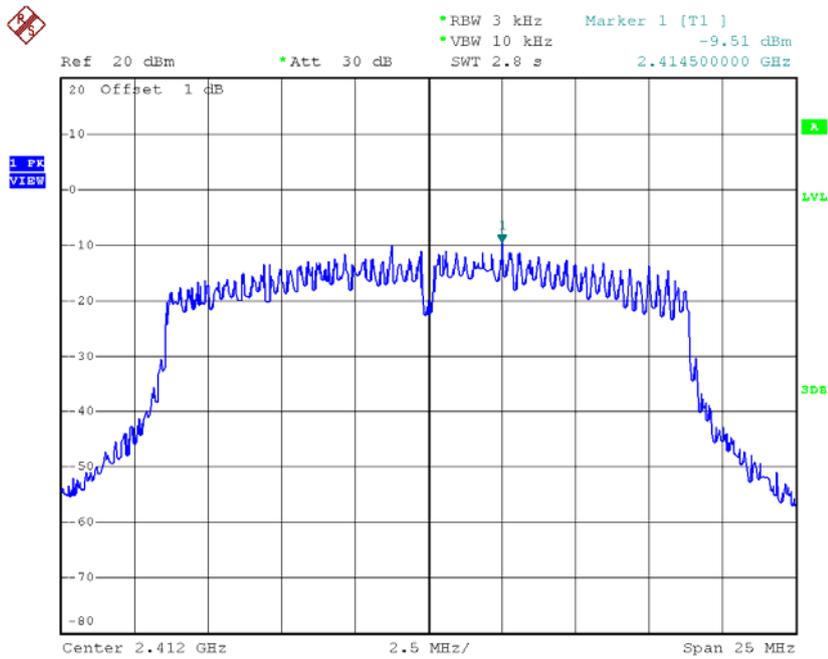


Date: 29.OCT.2015 23:11:16

Test Mode : TX N-20M Mode_CH01/06/11_ANT 2

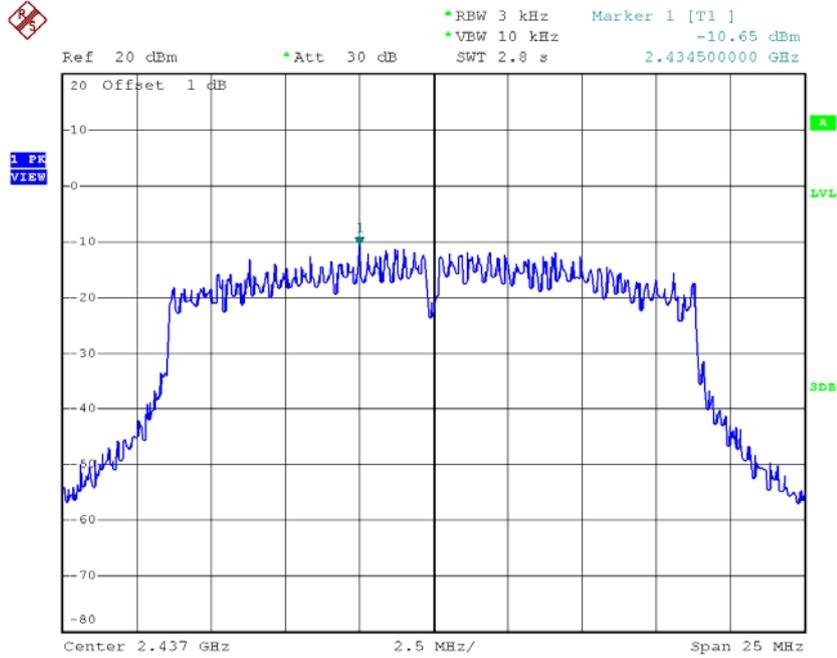
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.51	0.11	8.00	Complies
2437	-10.65	0.09	8.00	Complies
2462	-10.24	0.09	8.00	Complies

TX CH01



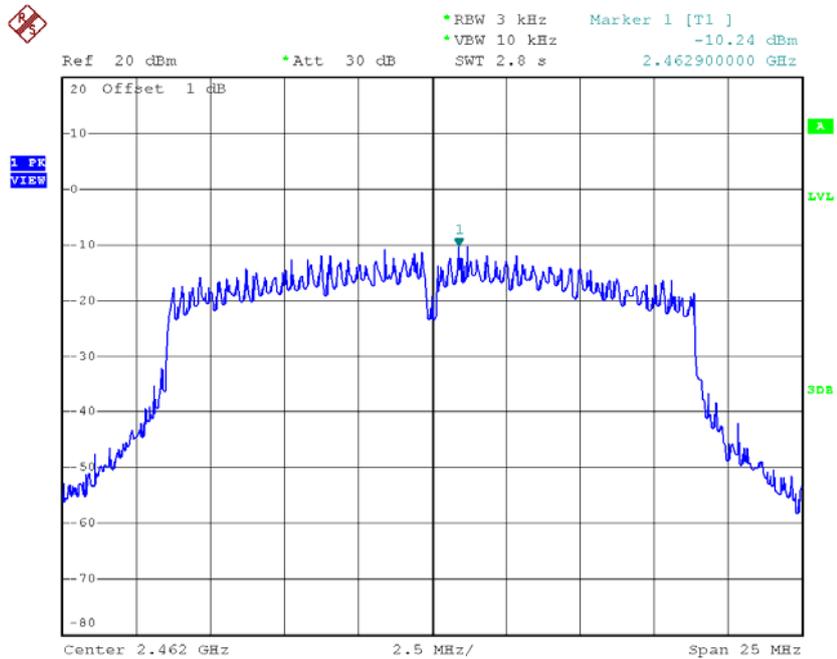
Date: 29.OCT.2015 23:06:06

TX CH06



Date: 29.OCT.2015 23:07:45

TX CH11



Date: 29.OCT.2015 23:12:33

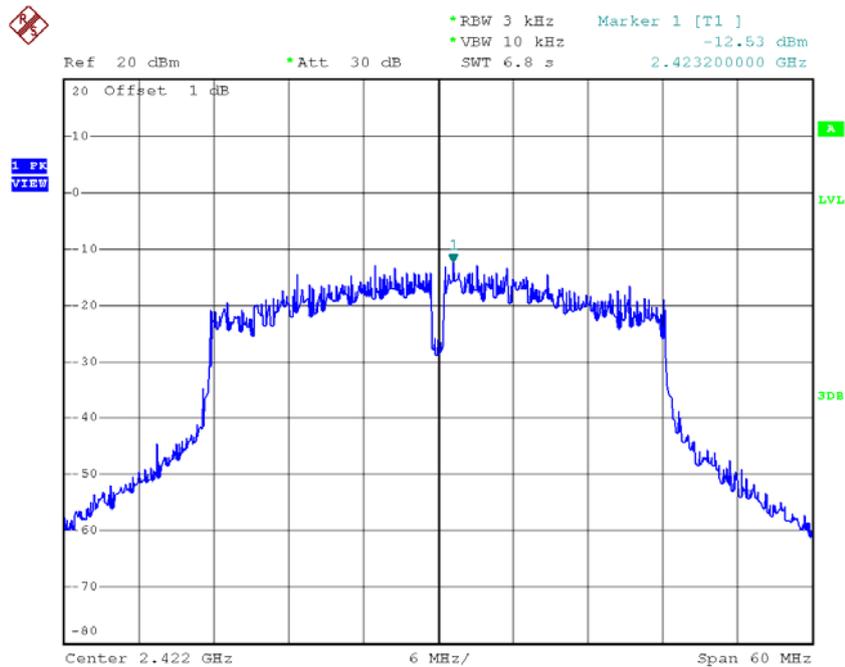
Test Mode : TX N-20M Mode_CH01/06/11_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-5.85	0.26	8.00	Complies
2437	-7.21	0.19	8.00	Complies
2462	-6.78	0.21	8.00	Complies

Test Mode : TX N-40M Mode_CH03/06/09_ANT 1

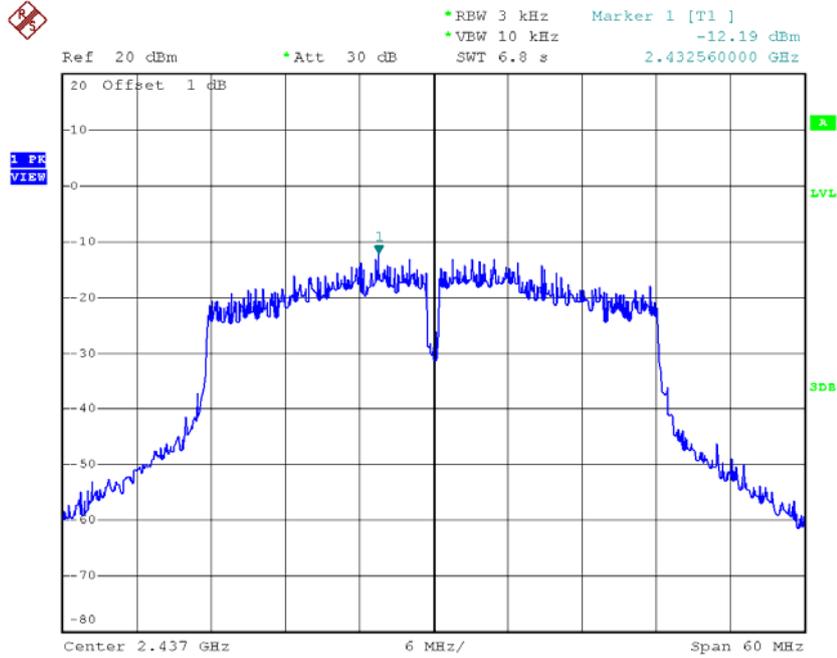
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-12.53	0.06	8.00	Complies
2437	-12.19	0.06	8.00	Complies
2452	-13.94	0.04	8.00	Complies

TX CH03



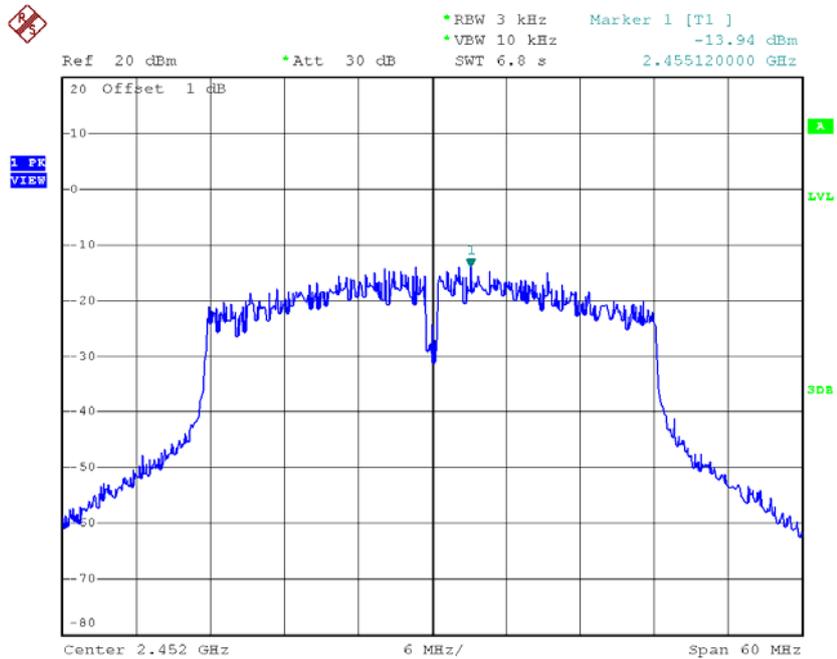
Date: 29.OCT.2015 23:18:58

TX CH06



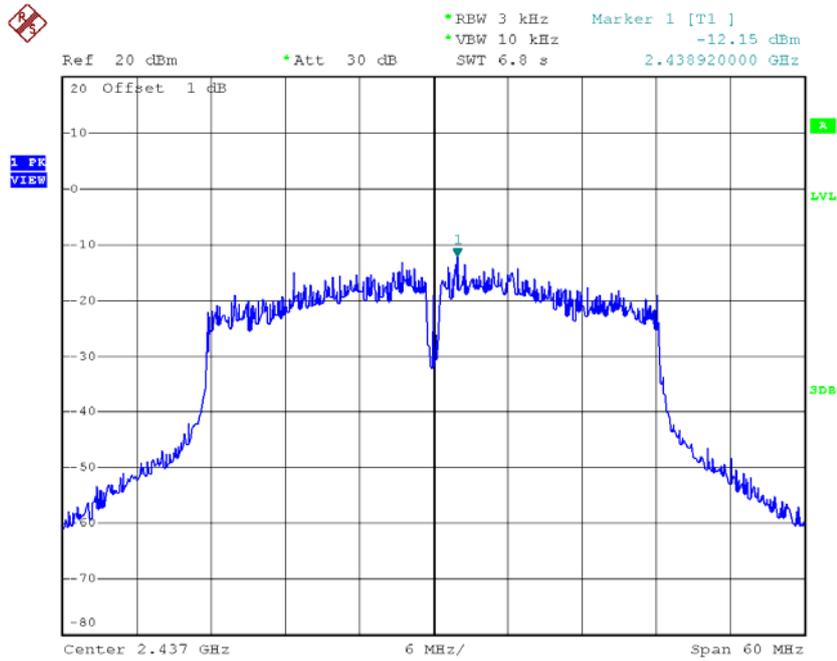
Date: 29.OCT.2015 23:21:31

TX CH09



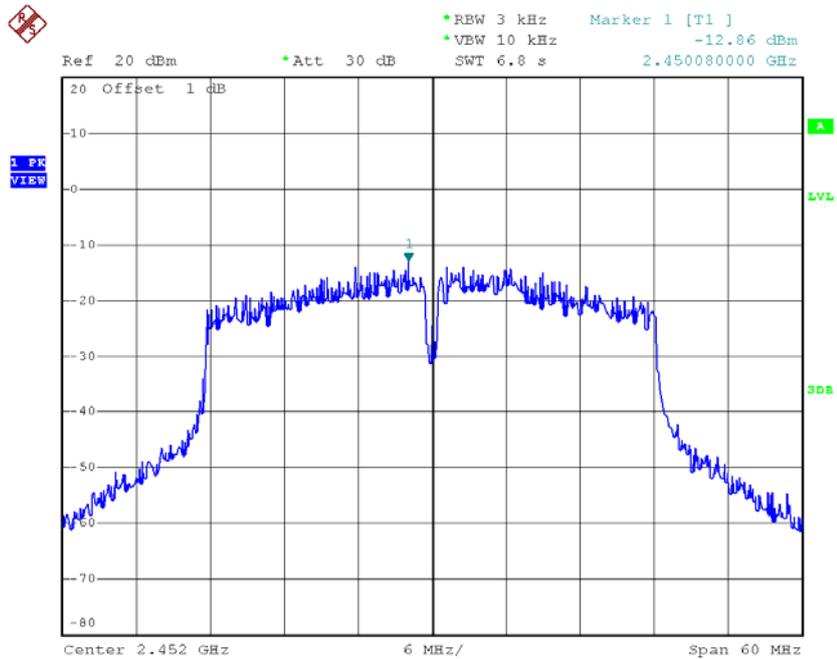
Date: 29.OCT.2015 23:26:20

TX CH06



Date: 29.OCT.2015 23:22:52

TX CH09



Date: 29.OCT.2015 23:24:42

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

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-9.59	0.11	8.00	Complies
2437	-9.21	0.12	8.00	Complies
2452	-10.46	0.09	8.00	Complies