

FCC Radio Test Report

FCC ID: QISR250D

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

Project No. : 1609C073
Equipment : Remote Unit
Model Name : R250D
Applicant : Huawei Technologies Co.,Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,Bantian, Longgang District, Shenzhen 518129 China

Date of Receipt : Sep. 19, 2016
Date of Test : Sep. 19, 2016 ~ Nov. 07, 2016
Issued Date : Nov. 08, 2016
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

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1609C073	Original Issue.	Nov. 08, 2016

1. CERTIFICATION

Equipment : Remote Unit
Brand Name : HUAWEI
Model Name : R250D
Applicant : Huawei Technologies Co.,Ltd.
Manufacturer : Huawei Technologies Co.,Ltd.
Address : Administration Building, Huawei Base, Bantian, Longgang District ,Shenzhen
518129, P.R.China
Factory : CIG Shanghai Co., Ltd., Shanghai Branch.
Address : F/2,3 Building 1, No. 505 Jiangyue Road, Minhang District, Shanghai, P.R.China
Date of Test : Sep. 19, 2016 ~ Nov. 07, 2016
Test Sample : Engineering Sample
Standard(s) : FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1609C073) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C				
Standard(s)	Section	Test Item	Judgment	Remark
15.207		Conducted Emission	PASS	
15.247(d)		Antenna conducted Spurious Emission	PASS	
15.247(a)(2)		6dB Bandwidth	PASS	
15.247(b)(3)		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	CISPR	9KHz~30MHz	V	3.79
		9KHz~30MHz	H	3.57
		30MHz ~ 200MHz	V	3.82
		30MHz ~ 200MHz	H	3.78
		200MHz ~ 1,000MHz	V	4.10
		200MHz ~ 1,000MHz	H	4.06
		1GHz~18GHz	V	3.12
		1GHz~18GHz	H	3.68
		18GHz~40GHz	V	4.15
		18GHz~40GHz	H	4.14

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Remote Unit	
Brand Name	HUAWEI	
Model Name	R250D	
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 300 Mbps
	AVG Output Power (Max.) - (1TX) Non-Beamforming	802.11b: 19.25dBm 802.11g: 18.16dBm 802.11n(20MHz): 18.19dBm 802.11n(40MHz): 17.28dBm
	AVG Output Power (Max.) - (2TX) Non-Beamforming	802.11b: 22.15dBm 802.11g: 20.88dBm 802.11n(20MHz): 20.94dBm 802.11n(40MHz): 18.93dBm
	AVG Output Power (Max.) - (2TX) Beamforming	802.11n(20MHz): 20.89dBm 802.11n(40MHz): 18.83dBm
Power Source	Supplied from PoE.	
Power Rating	DC -48V, 0.35A	

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.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	泓林微电子(昆山)有限公司	N/A	Internal	U.FL	5.5
2	HUAWEI	N/A	Internal	N/A	5.5

Note:

(1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=5.5.

(2) For 2TX with beamforming:

The EUT with beamforming function, then, Direction gain = G_{ANT}+10log(N_{ANT}/N_{SS}), where N_{SS} = the number of independent spatial streams of data.

For 2TX with beamforming: Directional gain=5.5+10log(2/2)=5.5+0=5.5 dBi.

4.

Operating Mode	2TX
TX Mode	
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	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

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

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

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

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

Note:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : BPSK (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

For 1TX Non-Beamforming

Test software version	QSPR		
Frequency (MHz)	2412	2437	2462
802.11b	18	18	18
802.11g	17	17	17
802.11n (20MHz)	17	17	16
Frequency	2422	2437	2452
802.11n (40MHz)	15	16	15

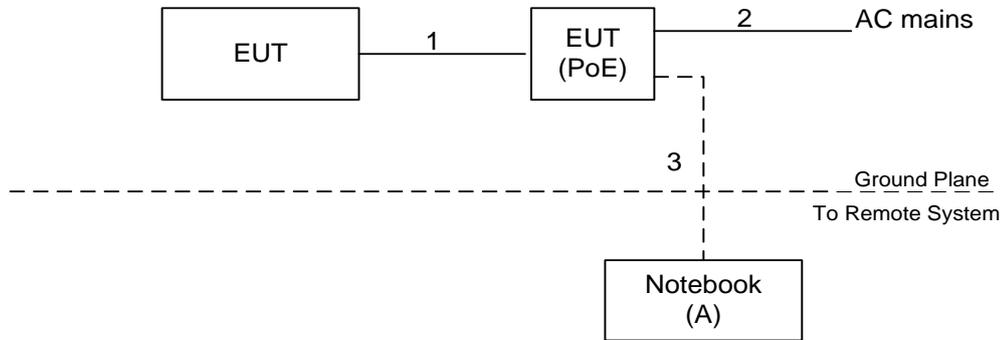
For 2TX Non-Beamforming

Test software version	QSPR		
Frequency (MHz)	2412	2437	2462
802.11b	18	18	18
802.11g	16	17	15
802.11n (20MHz)	17	17	15
Frequency	2422	2437	2452
802.11n (40MHz)	12	16	12

For 2TX Beamforming

Test software version	QSPR		
Frequency (MHz)	2412	2437	2462
802.11n (20MHz)	17	17	15
Frequency	2422	2437	2452
802.11n (40MHz)	12	16	12

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	NOTEBOOK	Lenovo	INSPIRON 1420-	DOC	JX193A01SDC2

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	10M	RJ45 Cable
2	NO	NO	2M	DC Cable
3	NO	NO	1M	RJ45 Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 -0.50	66 to 56*	56 to 46*
0.50 -5.0	56	46
5.0 -30.0	60	50

Note:

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

The following table is the setting of the receiver

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

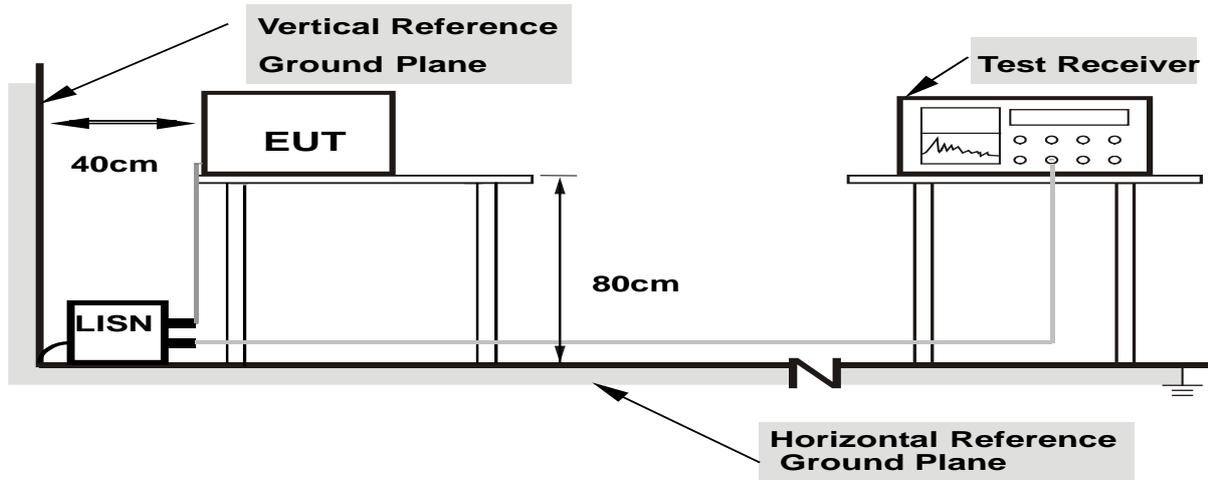
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



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

4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

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

Notes:

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

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

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

4.2.2 TEST PROCEDURE

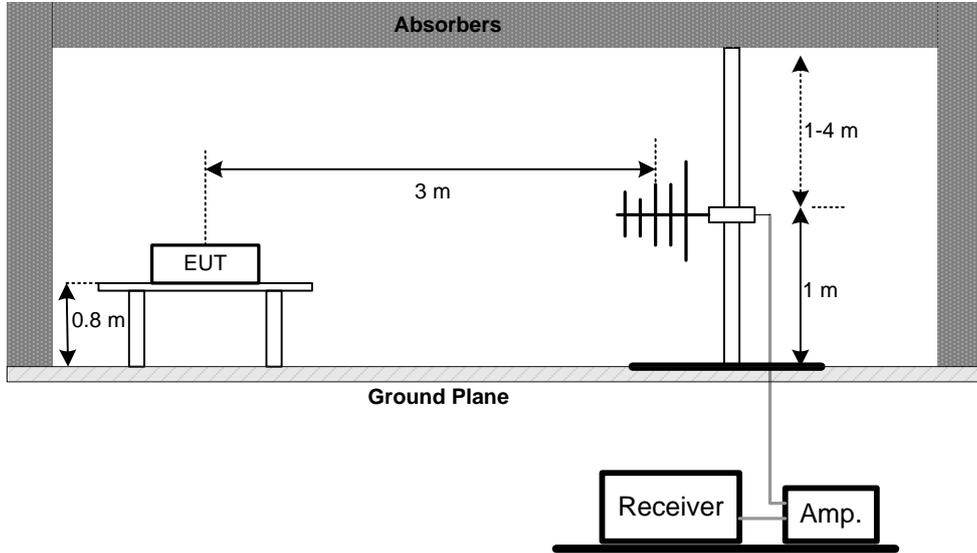
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

4.2.3 DEVIATION FROM TEST STANDARD

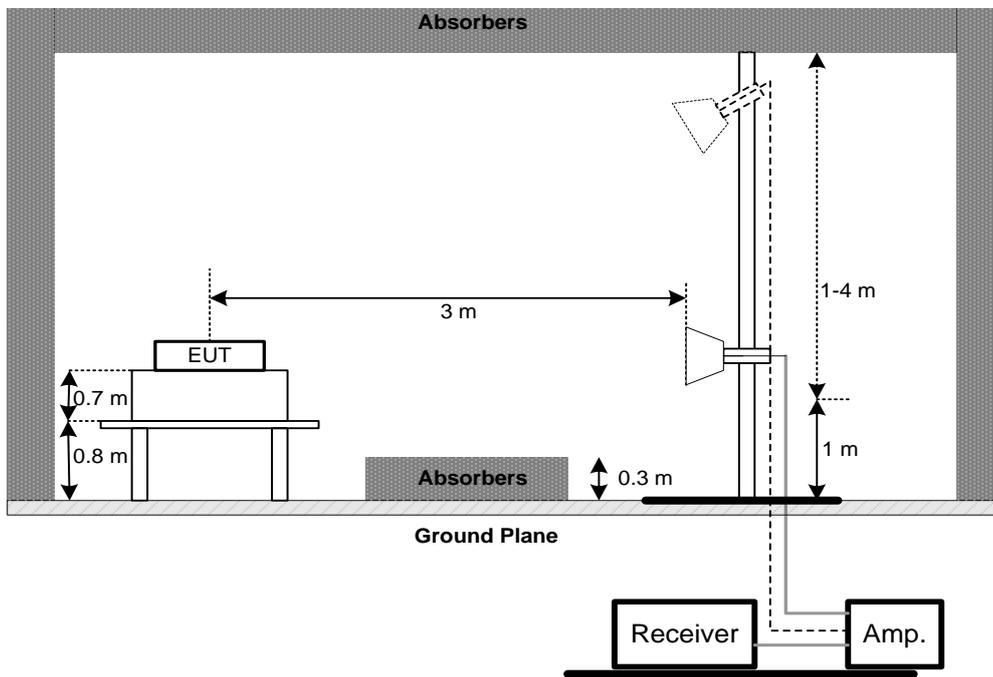
No deviation

4.2.4 TEST SETUP

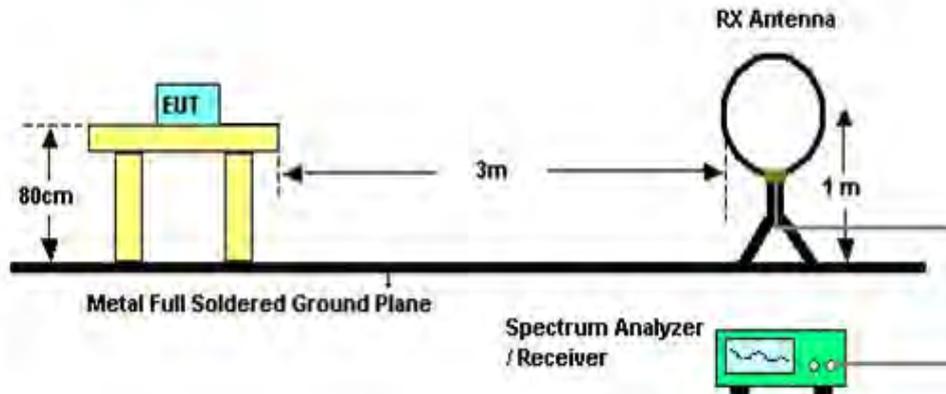
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

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

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

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

5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

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

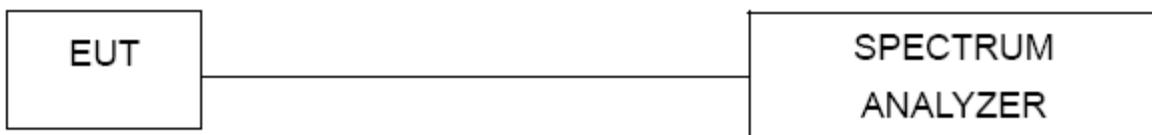
7.1.1 TEST PROCEDURE

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	0052765	Mar. 27, 2017
2	LISN	R&S	ENV216	101447	Mar. 27, 2017
3	Test Cable	emci	RG223(9KHz-30MHz)	C_17	Mar. 10, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 27, 2017
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. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Nov. 09, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 26, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 27, 2017
8	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
9	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
10	Test Cable	emci	EMC104-SM-SM-10000(1GHz-26.5GHz)	C-68	Jun. 26, 2017
11	Controller	CT	SC100	N/A	N/A
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
13	Microwave Pre-amplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
14	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
15	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

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

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

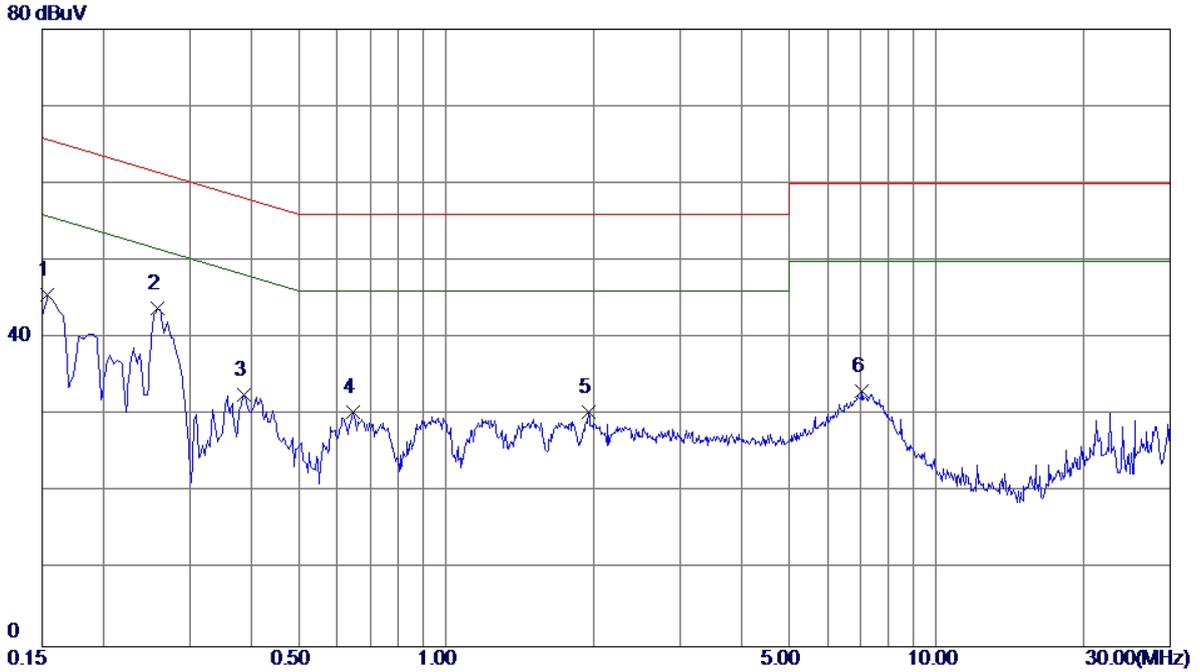
Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

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

ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX Mode

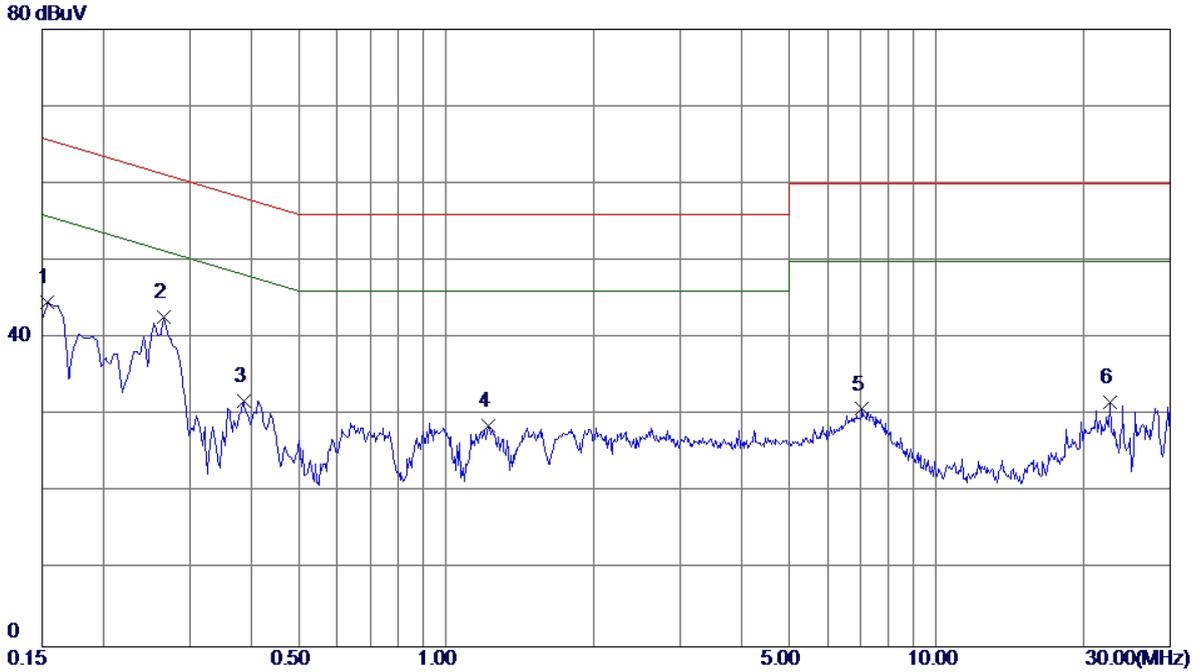
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1539	36.01	9.52	45.53	65.79	-20.26	Peak	
2 *	0.2580	34.31	9.53	43.84	61.50	-17.66	Peak	
3	0.3860	23.05	9.54	32.59	58.15	-25.56	Peak	
4	0.6460	20.74	9.64	30.38	56.00	-25.62	Peak	
5	1.9540	20.47	9.89	30.36	56.00	-25.64	Peak	
6	7.0660	22.96	10.15	33.11	60.00	-26.89	Peak	

Test Mode : TX Mode

Neutral

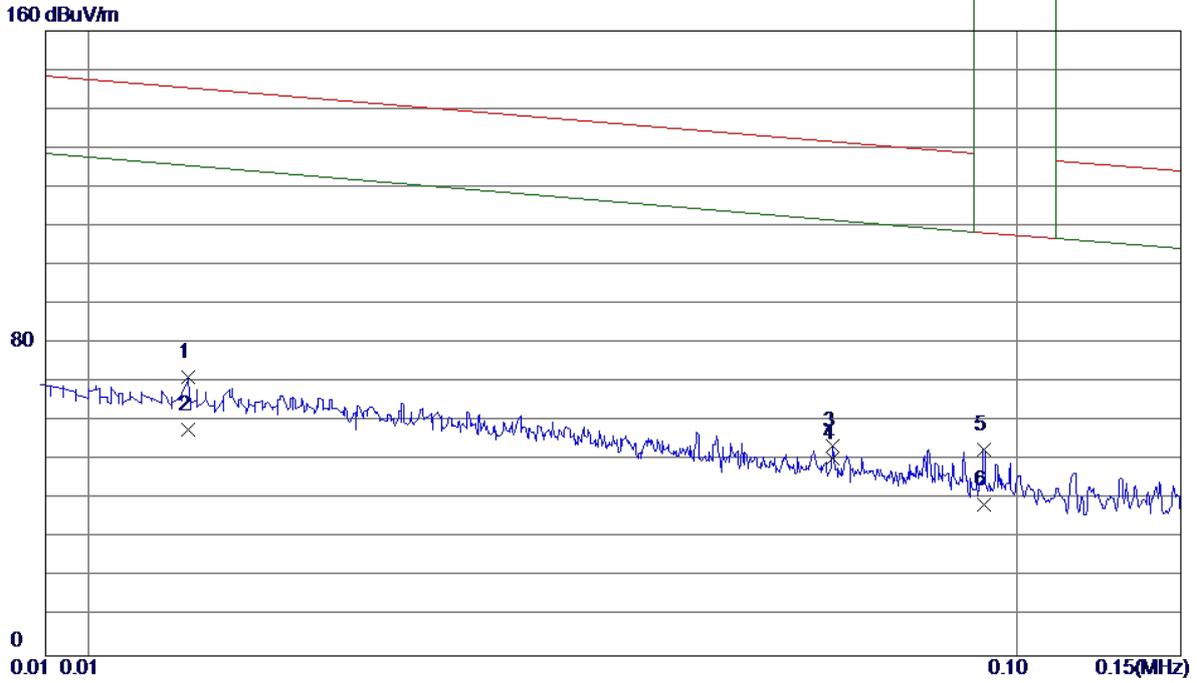


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1539	35.18	9.50	44.68	65.79	-21.11	Peak	
2 *	0.2660	33.20	9.53	42.73	61.24	-18.51	Peak	
3	0.3860	22.38	9.46	31.84	58.15	-26.31	Peak	
4	1.2180	19.04	9.67	28.71	56.00	-27.29	Peak	
5	7.0660	20.84	9.96	30.80	60.00	-29.20	Peak	
6	22.6100	21.18	10.52	31.70	60.00	-28.30	Peak	

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

Test Mode: TX B MODE CHANNEL 01

Ant 0°

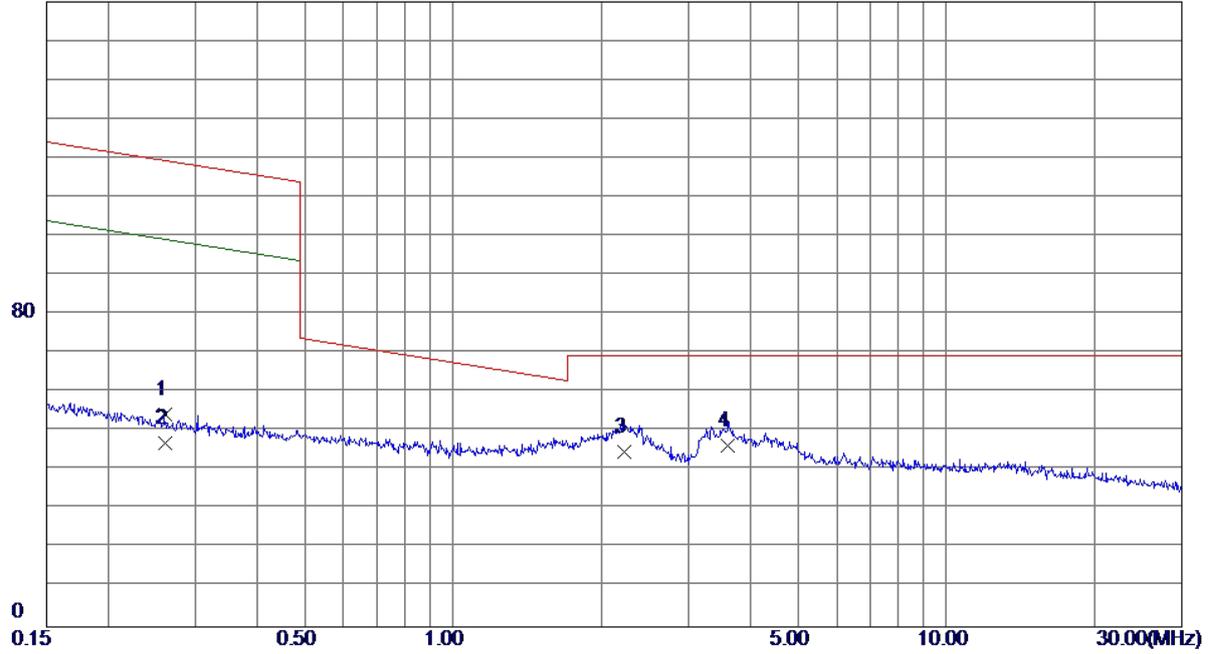


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0128	47.28	23.95	71.23	147.56	-76.33	Peak	
2	0.0128	34.10	23.95	58.05	127.56	-69.51	AVG	
3	0.0632	34.11	19.67	53.78	135.11	-81.33	Peak	
4	0.0632	30.90	19.67	50.57	115.11	-64.54	AVG	
5 *	0.0920	33.87	18.78	52.65	108.34	-55.69	Peak	
6	0.0920	19.91	18.78	38.69	999.00	-960.31	AVG	

Test Mode: TX B MODE CHANNEL 01

Ant 0°

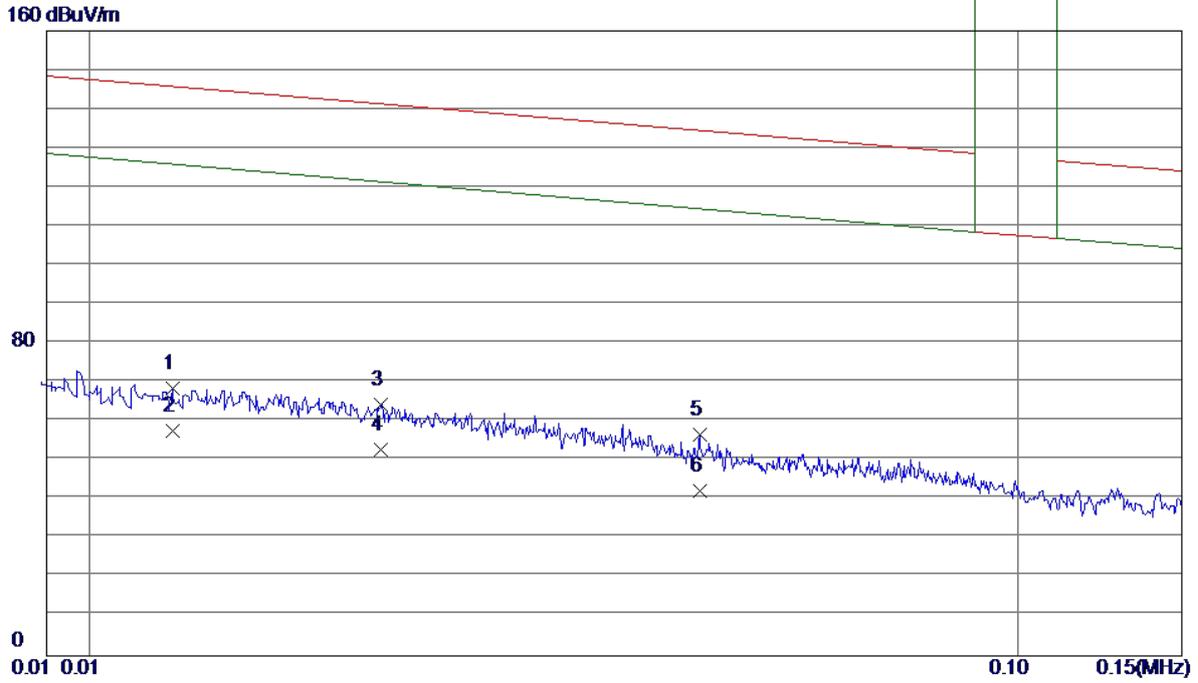
160 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2603	35.79	18.64	54.43	121.64	-67.21	Peak	
2	0.2603	28.30	18.64	46.94	101.64	-54.70	AVG	
3	2.2250	27.30	17.62	44.92	69.54	-24.62	QP	
4 *	3.6034	28.61	17.91	46.52	69.54	-23.02	QP	

Test Mode: TX B MODE CHANNEL 01

Ant 90°

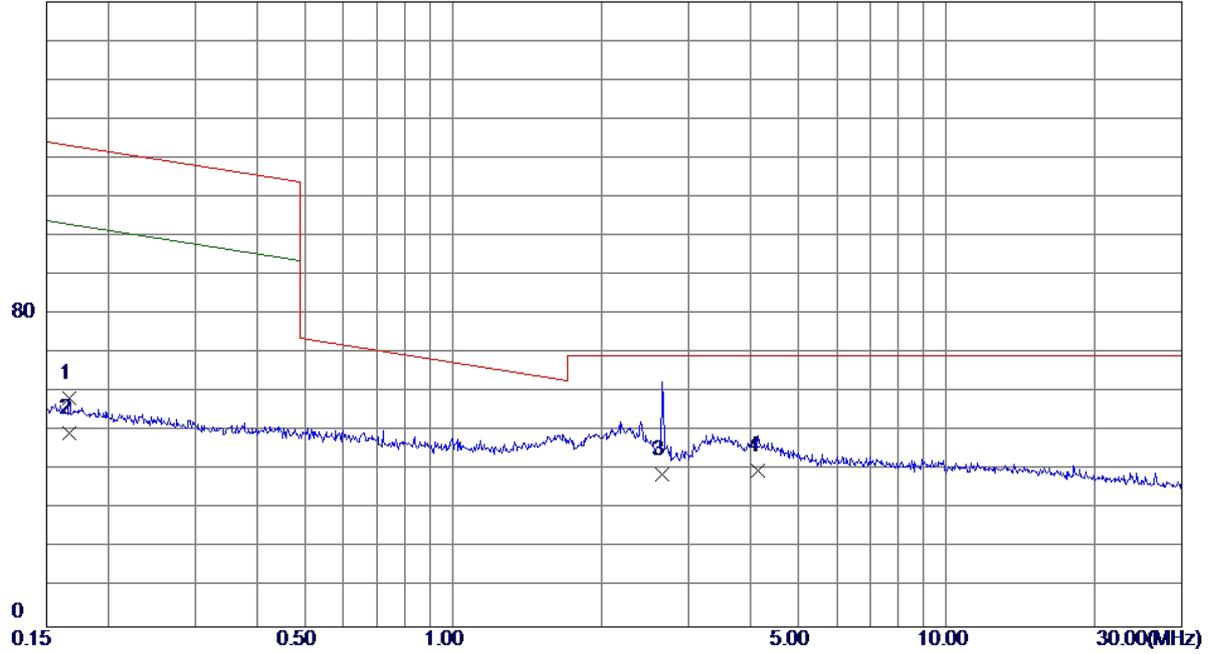


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0123	44.47	23.98	68.45	147.68	-79.23	Peak	
2 *	0.0123	33.50	23.98	57.48	127.68	-70.20	AVG	
3	0.0206	40.93	23.45	64.38	145.63	-81.25	Peak	
4	0.0206	29.50	23.45	52.95	125.63	-72.68	AVG	
5	0.0454	36.20	20.39	56.59	139.51	-82.92	Peak	
6	0.0454	22.00	20.39	42.39	119.51	-77.12	AVG	

Test Mode: TX B MODE CHANNEL 01

Ant 90°

160 dBuV/m

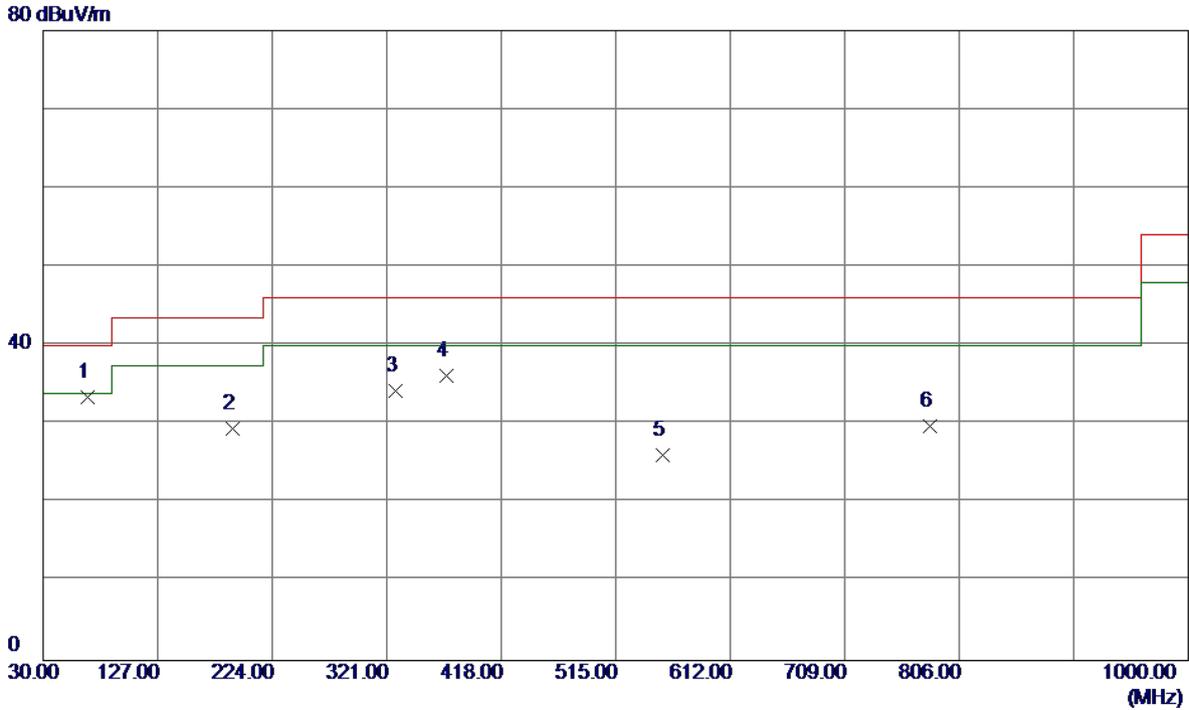


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.1667	39.71	18.72	58.43	124.84	-66.41	Peak	
2	0.1667	31.00	18.72	49.72	104.84	-55.12	AVG	
3	2.6500	22.10	17.08	39.18	69.54	-30.36	QP	
4 *	4.1574	21.50	18.43	39.93	69.54	-29.61	QP	

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

Test Mode: TX B MODE CHANNEL 01

Vertical

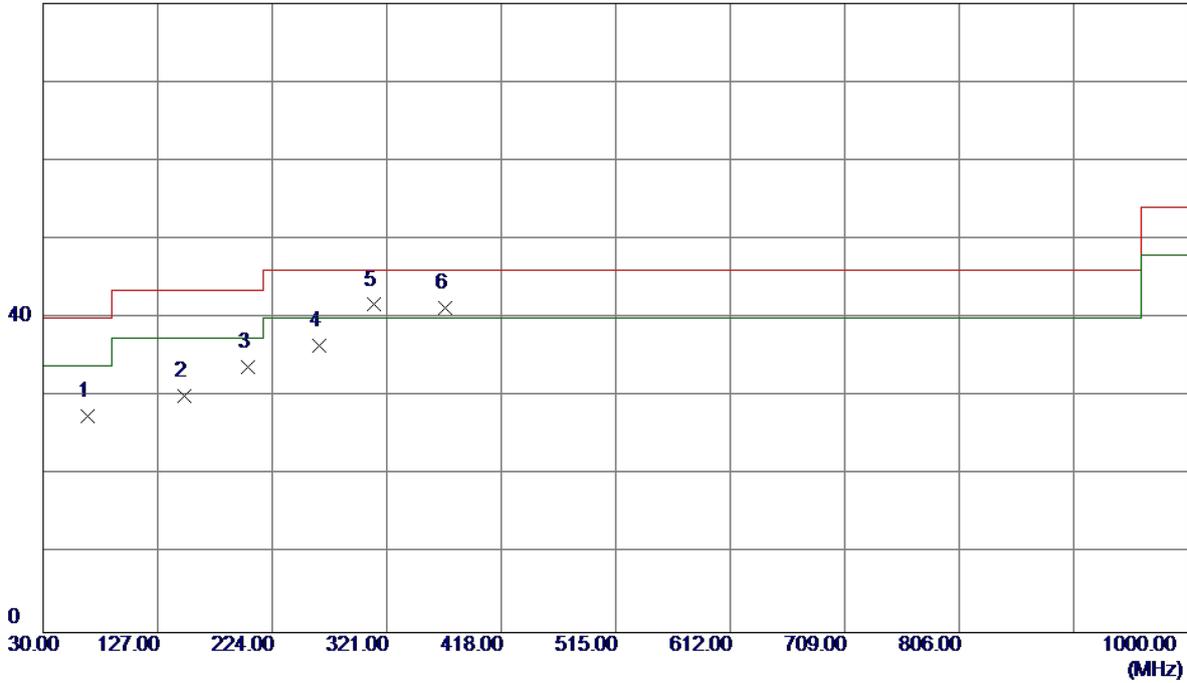


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	67.8300	49.40	-15.94	33.46	40.00	-6.54	Peak	
2	191.0200	43.43	-13.98	29.45	43.50	-14.05	Peak	
3	328.2750	45.05	-10.76	34.29	46.00	-11.71	Peak	
4	371.9250	45.94	-9.71	36.23	46.00	-9.77	Peak	
5	554.7700	30.83	-4.78	26.05	46.00	-19.95	Peak	
6	781.2650	30.37	-0.58	29.79	46.00	-16.21	Peak	

Test Mode: TX B MODE CHANNEL 01

Horizontal

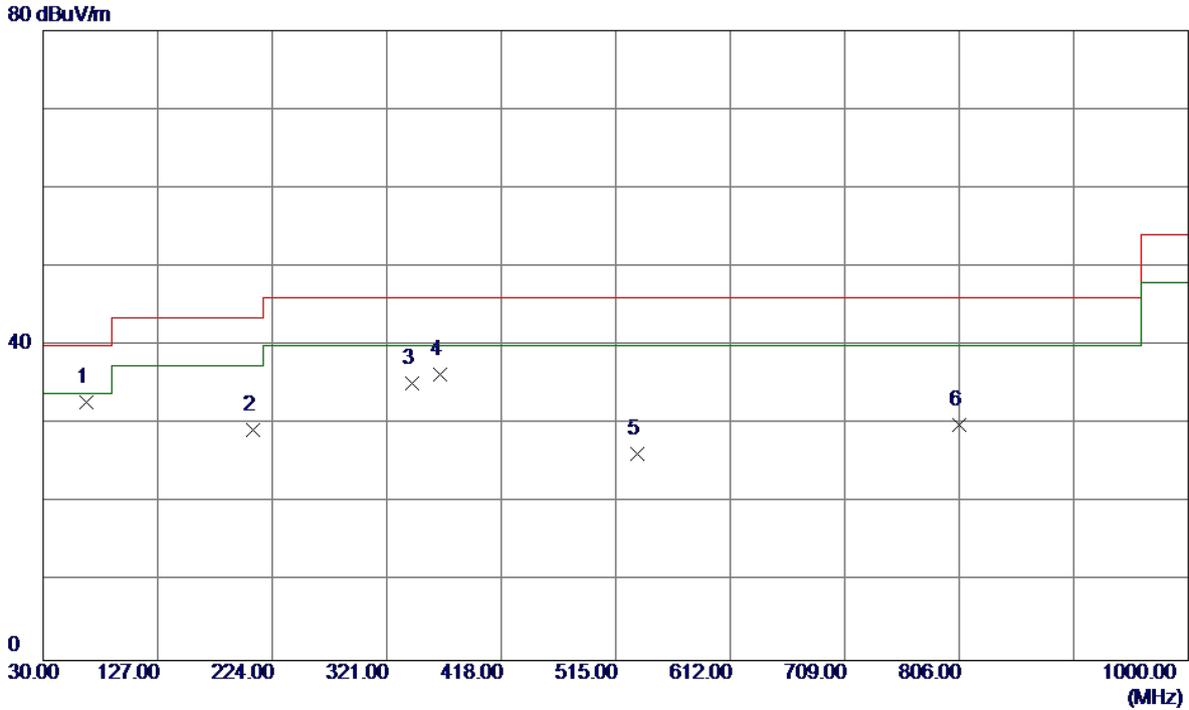
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	67.8300	43.47	-15.94	27.53	40.00	-12.47	Peak	
2	149.7950	43.01	-12.97	30.04	43.50	-13.46	Peak	
3	203.6300	48.27	-14.51	33.76	43.50	-9.74	Peak	
4	264.2550	50.39	-13.87	36.52	46.00	-9.48	Peak	
5 *	309.8450	52.05	-10.37	41.68	46.00	-4.32	Peak	
6	370.4700	51.07	-9.81	41.26	46.00	-4.74	QP	

Test Mode: TX B MODE CHANNEL 06

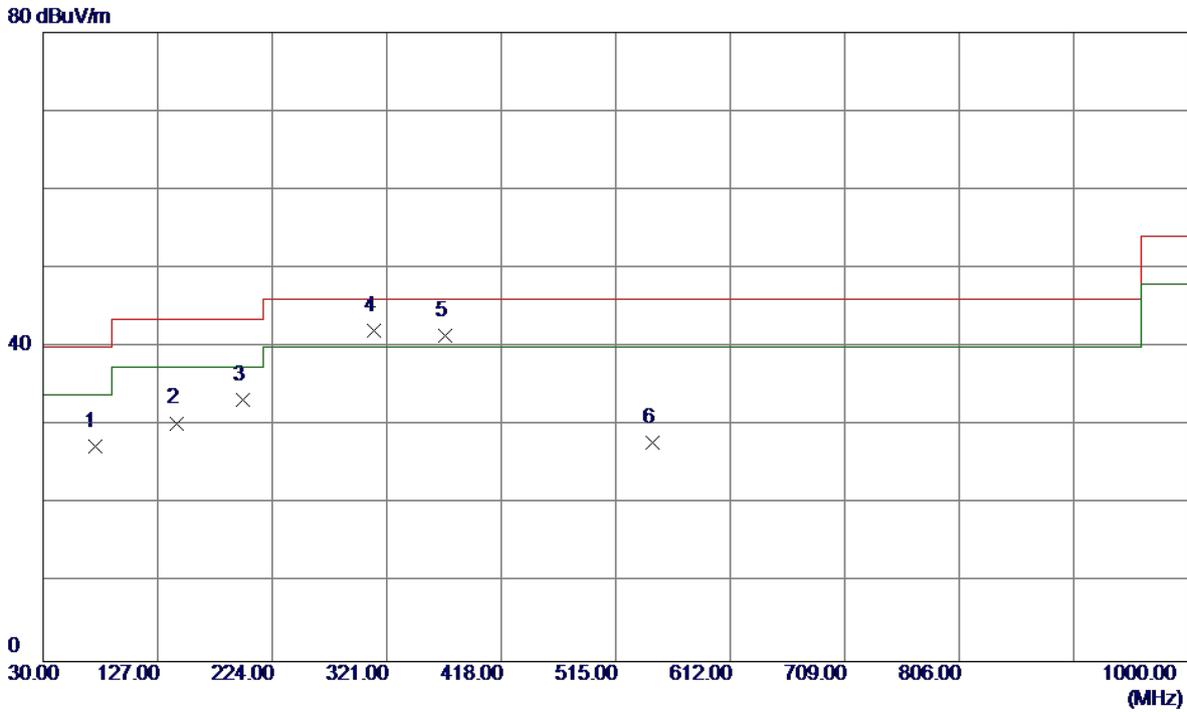
Vertical



No.	Freq. (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1 *	66.3750	48.28	-15.54	32.74	40.00	-7.26	Peak	
2	207.9950	43.95	-14.60	29.35	43.50	-14.15	Peak	
3	342.3400	46.24	-11.06	35.18	46.00	-10.82	Peak	
4	366.1050	46.42	-10.11	36.31	46.00	-9.69	Peak	
5	533.4300	32.49	-6.26	26.23	46.00	-19.77	Peak	
6	805.5150	29.88	0.09	29.97	46.00	-16.03	Peak	

Test Mode: TX B MODE CHANNEL 06

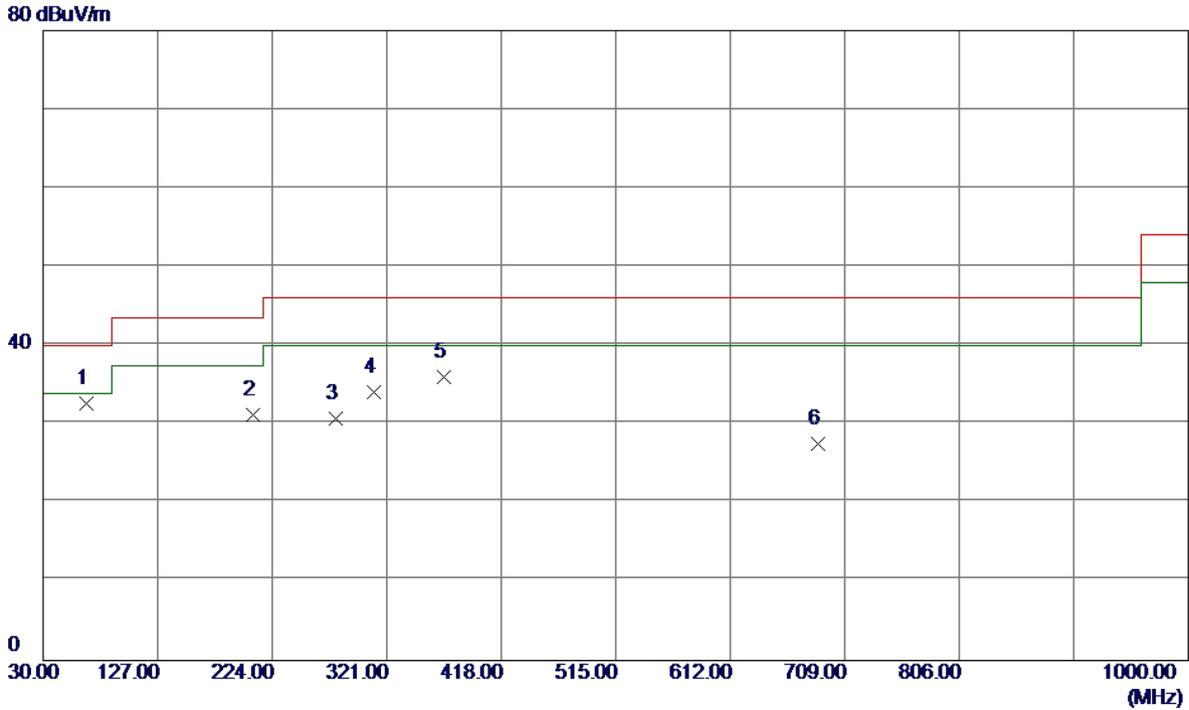
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	73.6500	43.89	-16.57	27.32	40.00	-12.68	Peak	
2	143.4900	43.79	-13.47	30.32	43.50	-13.18	Peak	
3	199.2650	47.66	-14.39	33.27	43.50	-10.23	Peak	
4 *	309.8450	52.52	-10.37	42.15	46.00	-3.85	Peak	
5	370.4700	51.25	-9.81	41.44	46.00	-4.56	QP	
6	546.5250	32.70	-4.90	27.80	46.00	-18.20	Peak	

Test Mode: TX B MODE CHANNEL 11

Vertical

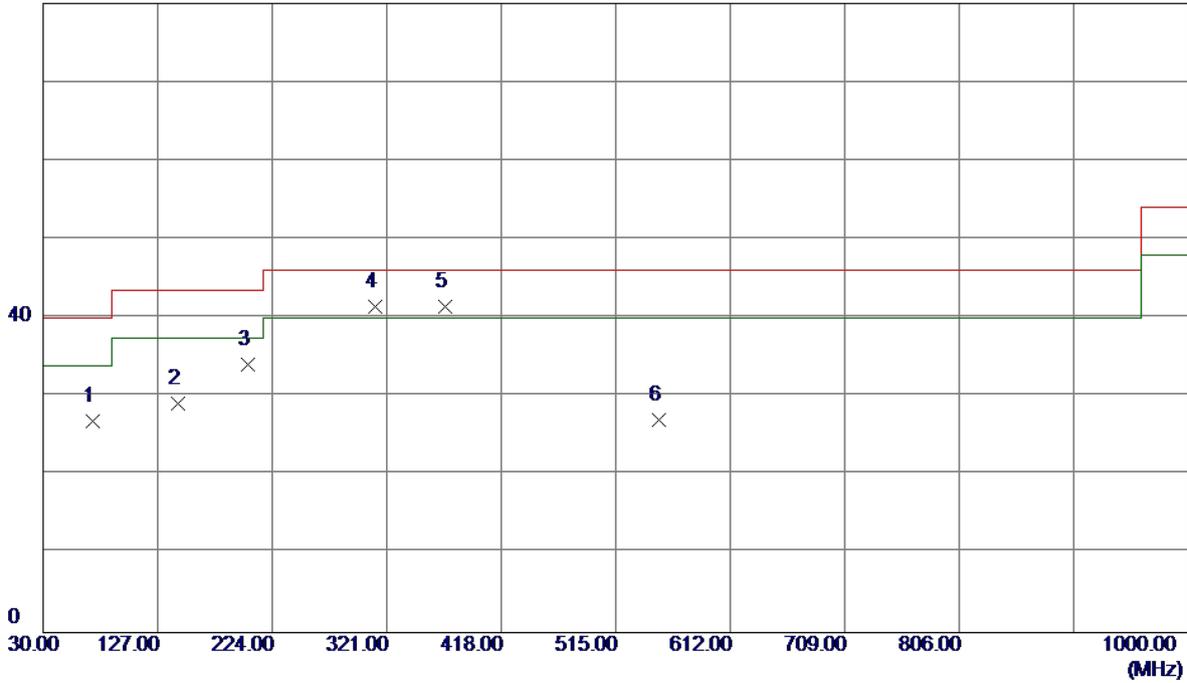


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	66.3750	48.20	-15.54	32.66	40.00	-7.34	Peak	
2	207.9950	45.76	-14.60	31.16	43.50	-12.34	Peak	
3	278.3200	43.03	-12.27	30.76	46.00	-15.24	Peak	
4	309.8450	44.42	-10.37	34.05	46.00	-11.95	Peak	
5	369.0150	45.89	-9.91	35.98	46.00	-10.02	Peak	
6	686.6900	30.16	-2.65	27.51	46.00	-18.49	Peak	

Test Mode: TX B MODE CHANNEL 11

Horizontal

80 dBuV/m



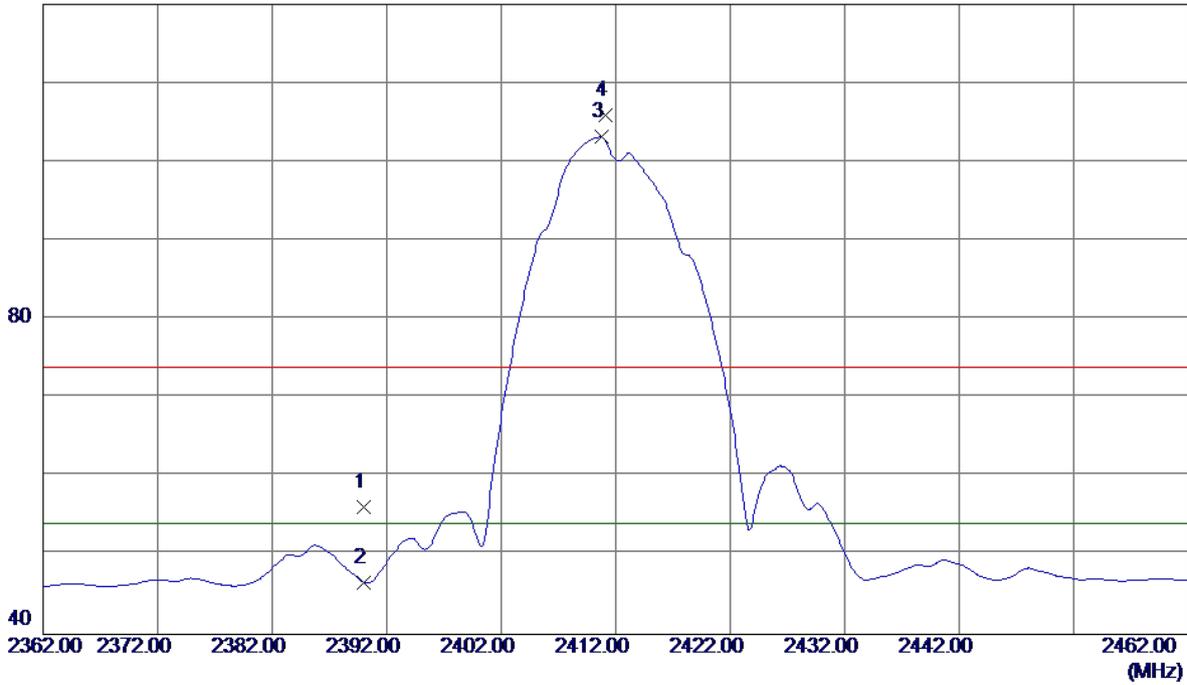
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	72.1950	43.48	-16.55	26.93	40.00	-13.07	Peak	
2	143.9750	42.54	-13.43	29.11	43.50	-14.39	Peak	
3	203.6300	48.57	-14.51	34.06	43.50	-9.44	Peak	
4 *	311.3000	51.88	-10.40	41.48	46.00	-4.52	Peak	
5	370.4700	51.18	-9.81	41.37	46.00	-4.63	QP	
6	551.8600	31.68	-4.63	27.05	46.00	-18.95	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.18	33.01	56.19	74.00	-17.81	Peak	
2	2390.0000	13.61	33.01	46.62	54.00	-7.38	AVG	
3 *	2410.7500	70.07	33.10	103.17	54.00	49.17	AVG	No Limit
4	2411.1500	72.78	33.10	105.88	74.00	31.88	Peak	No Limit

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

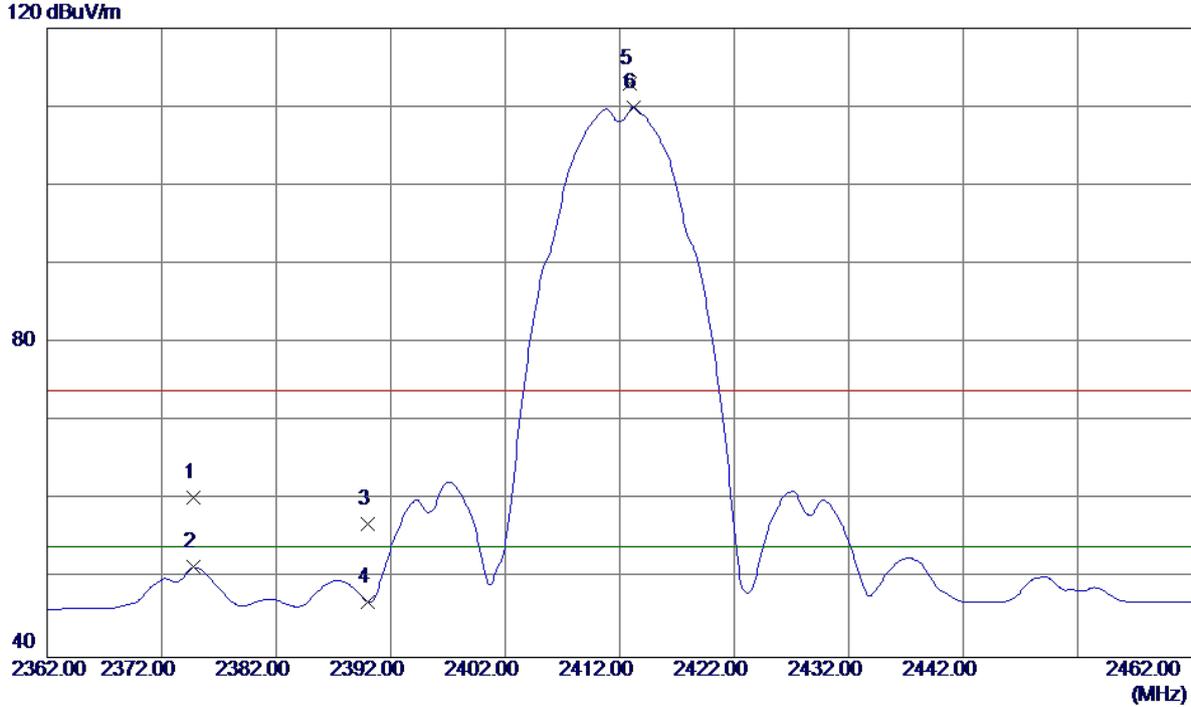
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.7450	38.52	4.85	43.37	74.00	-30.63	Peak	
2 *	4823.8600	34.10	4.85	38.95	54.00	-15.05	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	2374.8000	27.36	32.95	60.31	74.00	-13.69	Peak	
2	2374.8000	18.50	32.95	51.45	54.00	-2.55	AVG	
3	2390.0000	24.00	33.01	57.01	74.00	-16.99	Peak	
4	2390.0000	14.04	33.01	47.05	54.00	-6.95	AVG	
5	2412.9000	79.83	33.11	112.94	74.00	38.94	Peak	No Limit
6 *	2413.2000	76.83	33.11	109.94	54.00	55.94	AVG	No Limit

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

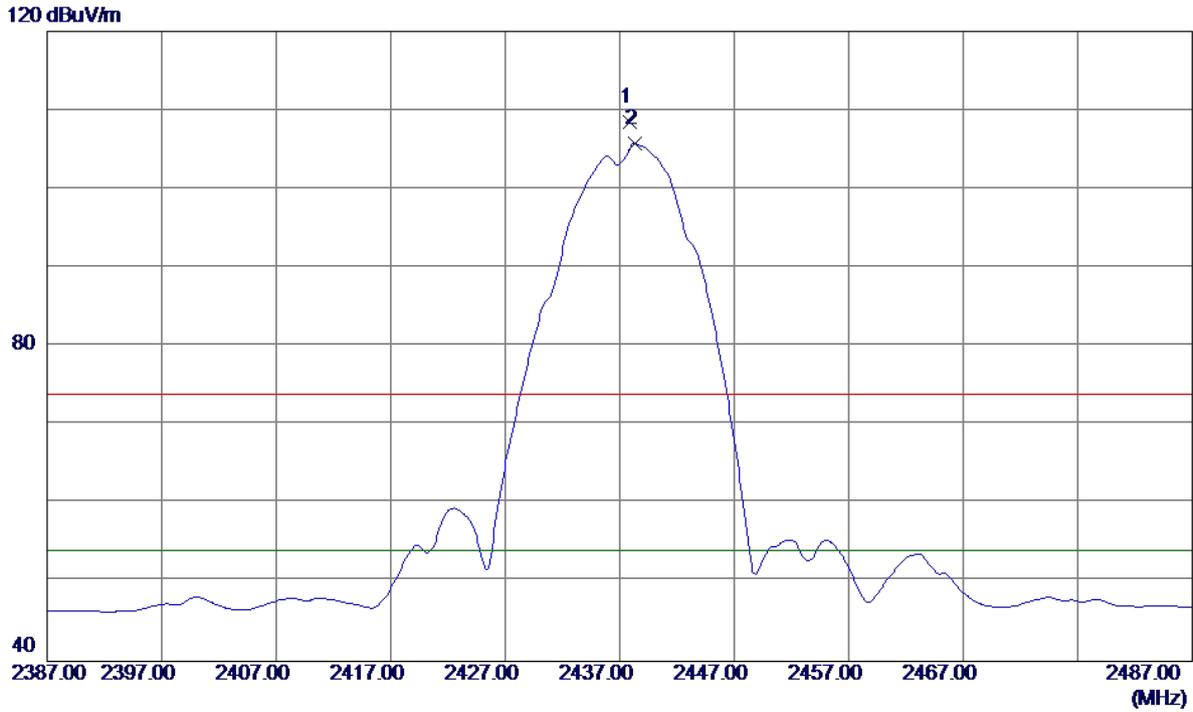
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.8550	40.68	4.85	45.53	74.00	-28.47	Peak	
2 *	4823.9600	37.10	4.85	41.95	54.00	-12.05	AVG	

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	2437.9000	75.33	33.21	108.54	74.00	34.54	Peak	No Limit
2 *	2438.3000	72.54	33.21	105.75	54.00	51.75	AVG	No Limit

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

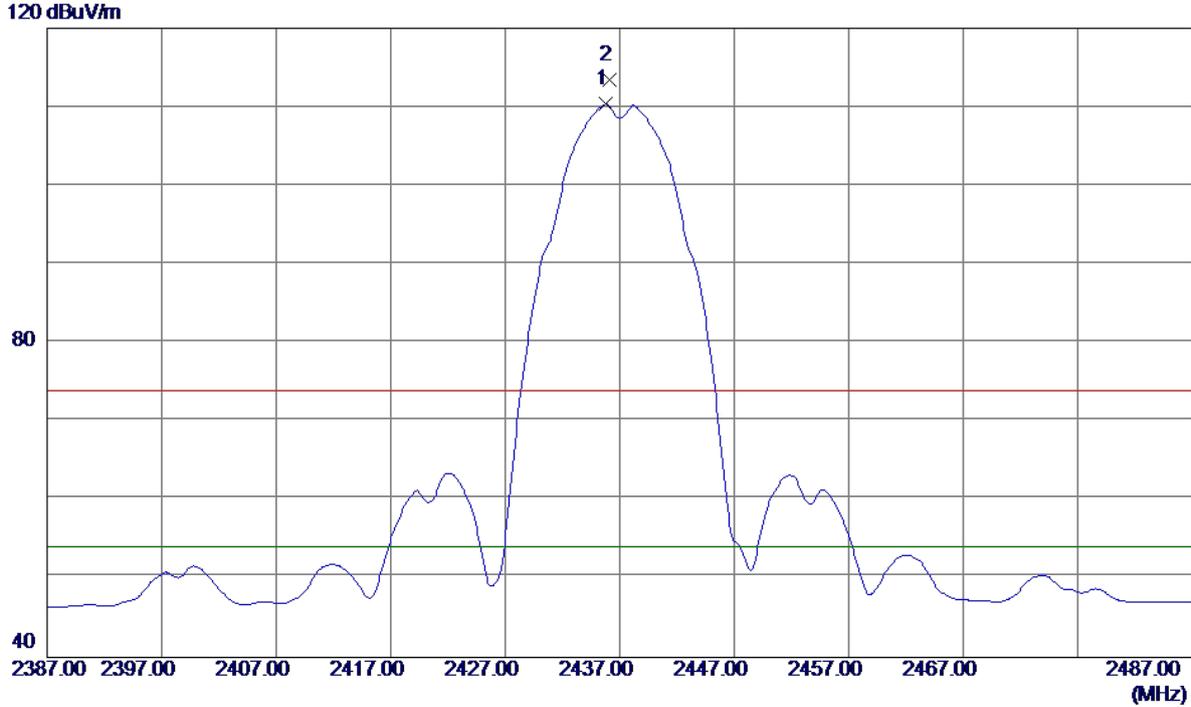
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.2400	37.43	5.06	42.49	74.00	-31.51	Peak	
2 *	4873.7150	33.13	5.06	38.19	54.00	-15.81	AVG	

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

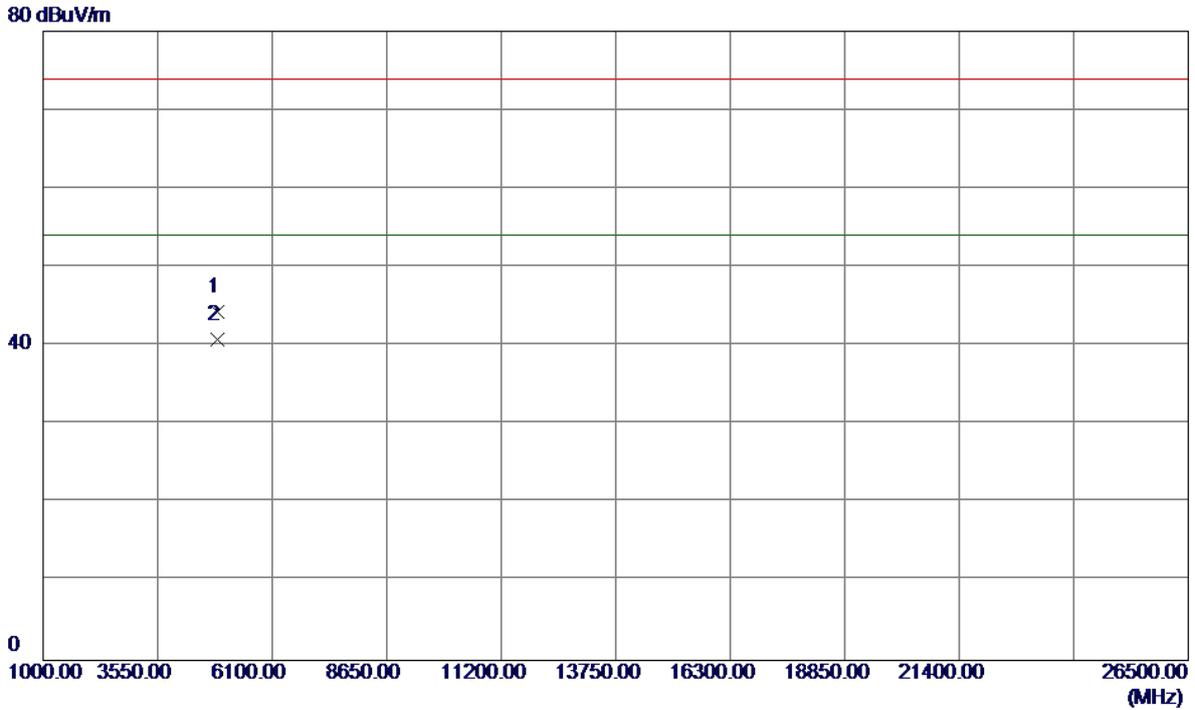
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.8000	77.20	33.20	110.40	54.00	56.40	AVG	No Limit
2	2436.1500	80.25	33.20	113.45	74.00	39.45	Peak	No Limit

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

Horizontal

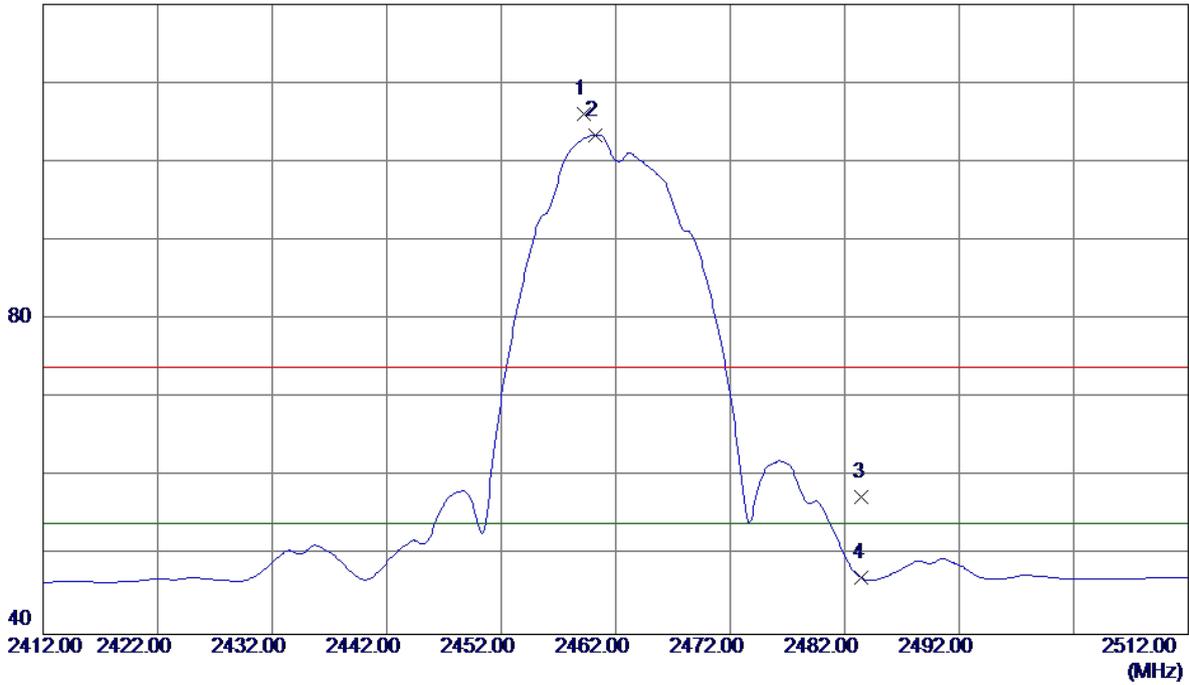


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.8400	39.33	5.06	44.39	74.00	-29.61	Peak	
2 *	4873.9450	35.72	5.07	40.79	54.00	-13.21	AVG	

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

Vertical

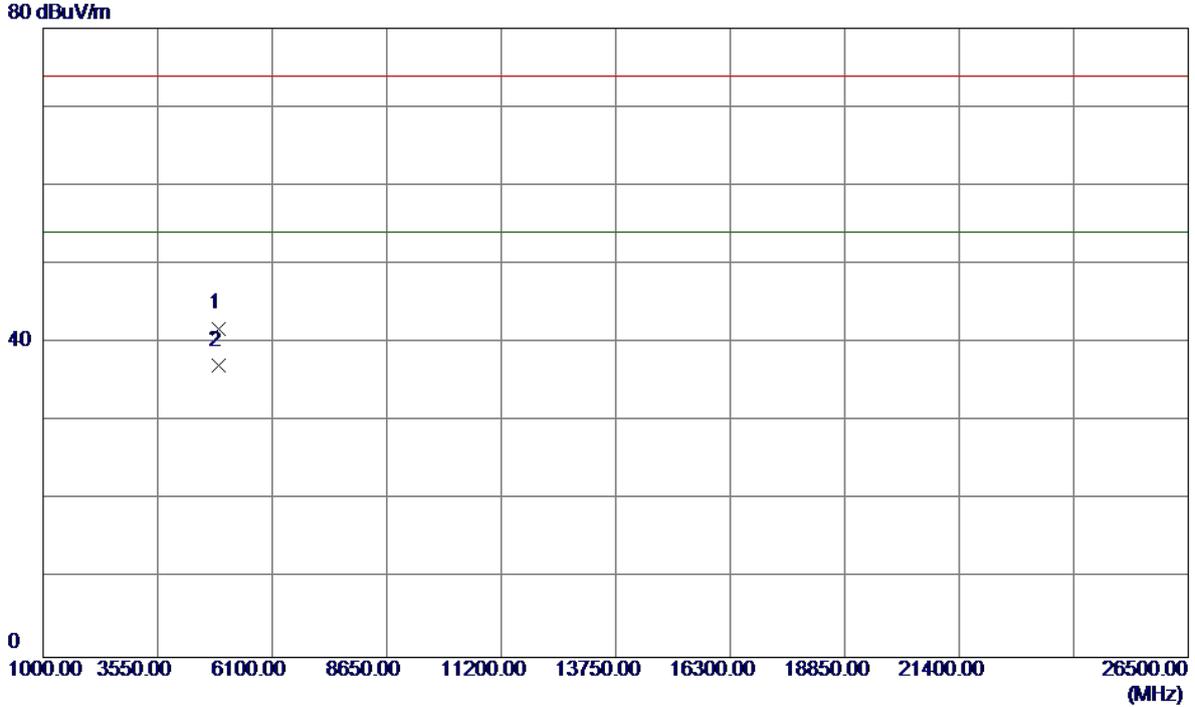
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.2500	72.86	33.30	106.16	74.00	32.16	Peak	No Limit
2 *	2460.2500	70.07	33.30	103.37	54.00	49.37	AVG	No Limit
3	2483.5000	24.06	33.40	57.46	74.00	-16.54	Peak	
4	2483.5000	13.73	33.40	47.13	54.00	-6.87	AVG	

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

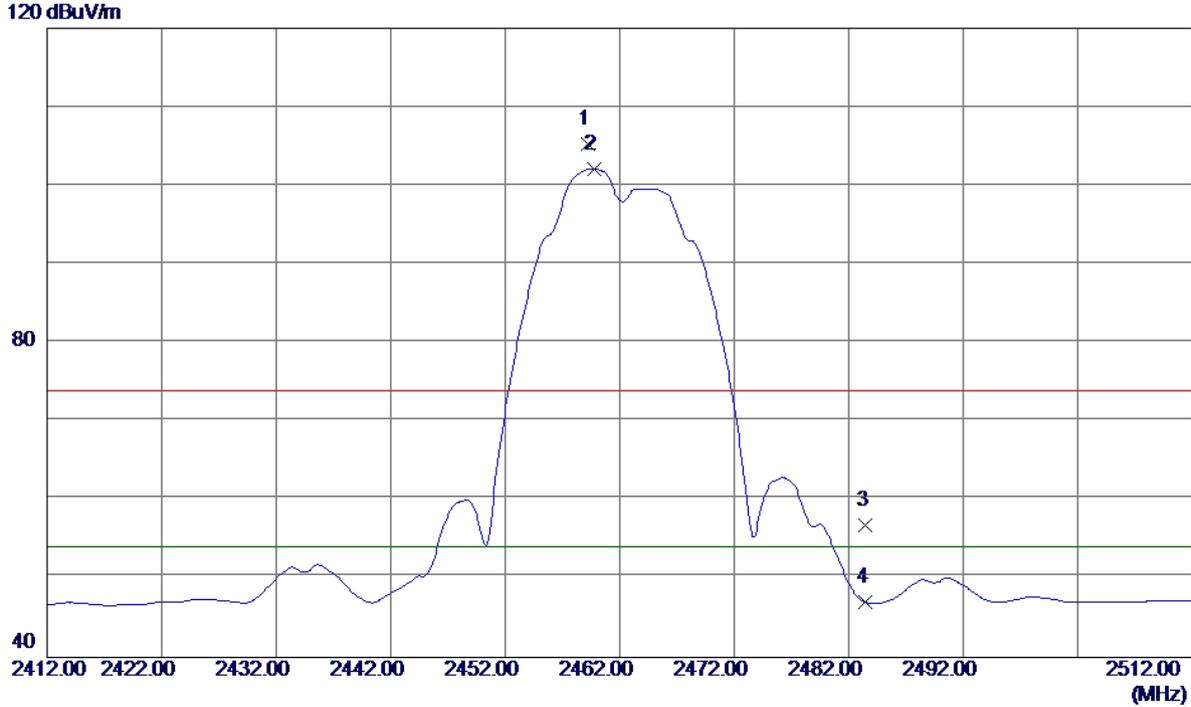
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.2550	36.57	5.27	41.84	74.00	-32.16	Peak	
2 *	4923.6250	31.82	5.28	37.10	54.00	-16.90	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	2459.2500	71.94	33.30	105.24	74.00	31.24	Peak	No Limit
2 *	2459.7500	68.84	33.30	102.14	54.00	48.14	AVG	No Limit
3	2483.5000	23.46	33.40	56.86	74.00	-17.14	Peak	
4	2483.5000	13.58	33.40	46.98	54.00	-7.02	AVG	

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

Horizontal

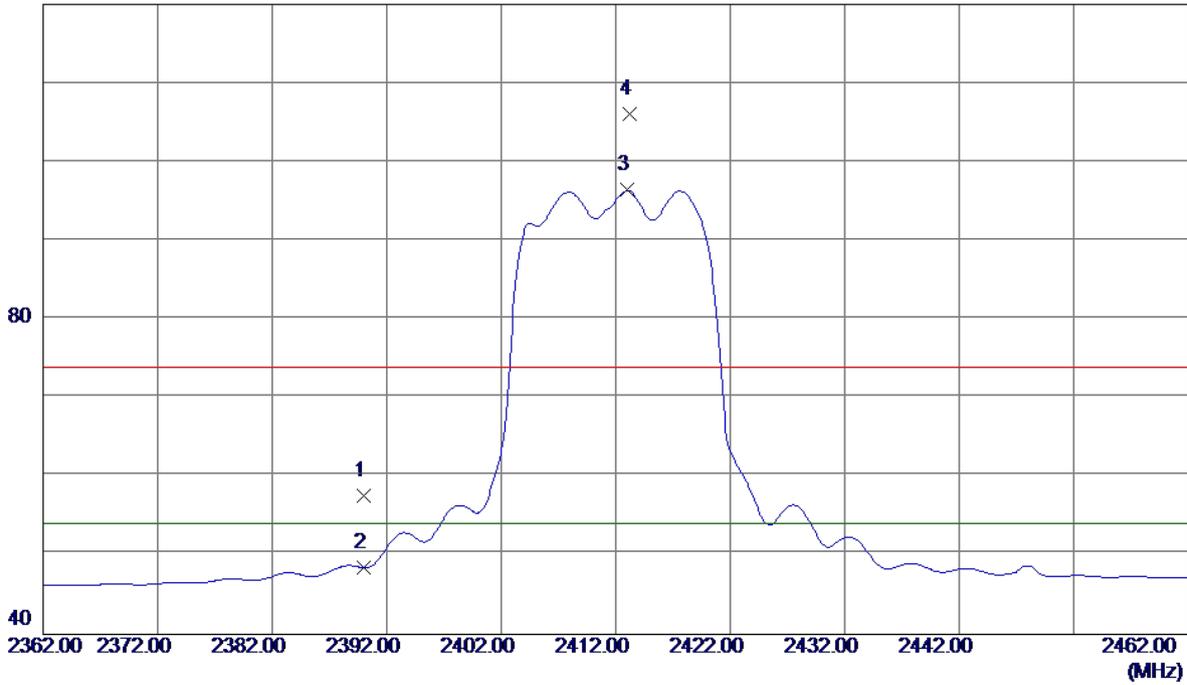


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.8750	38.18	5.28	43.46	74.00	-30.54	Peak	
2 *	4923.9450	33.74	5.28	39.02	54.00	-14.98	AVG	

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

Vertical

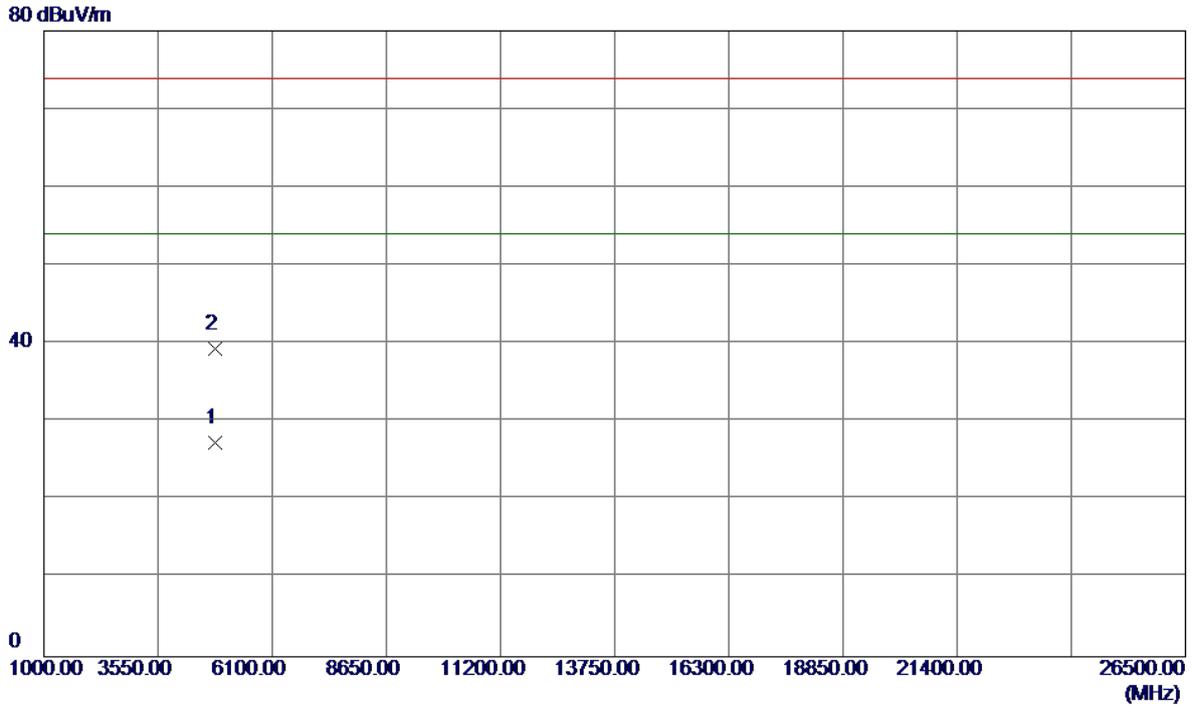
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.57	33.01	57.58	74.00	-16.42	Peak	
2	2390.0000	15.44	33.01	48.45	54.00	-5.55	AVG	
3 *	2413.0000	63.29	33.11	96.40	54.00	42.40	AVG	No Limit
4	2413.2000	72.91	33.11	106.02	74.00	32.02	Peak	No Limit

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

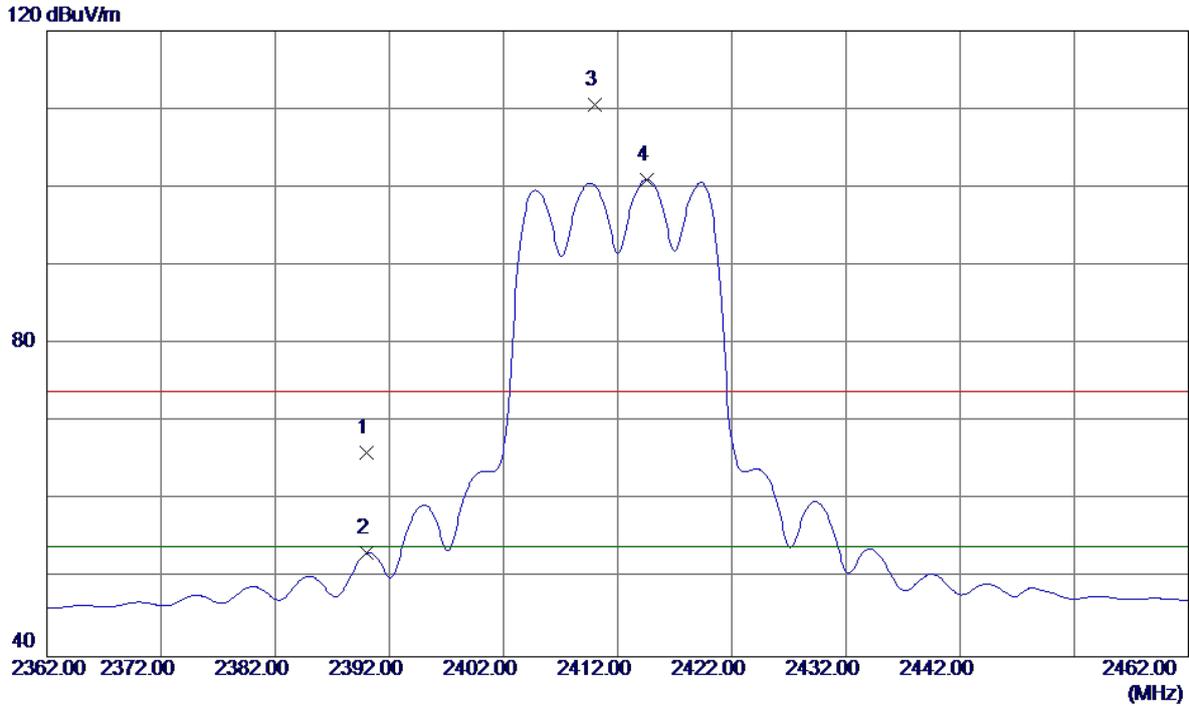
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.8750	22.49	4.85	27.34	54.00	-26.66	AVG	
2	4824.2310	34.53	4.85	39.38	74.00	-34.62	Peak	

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

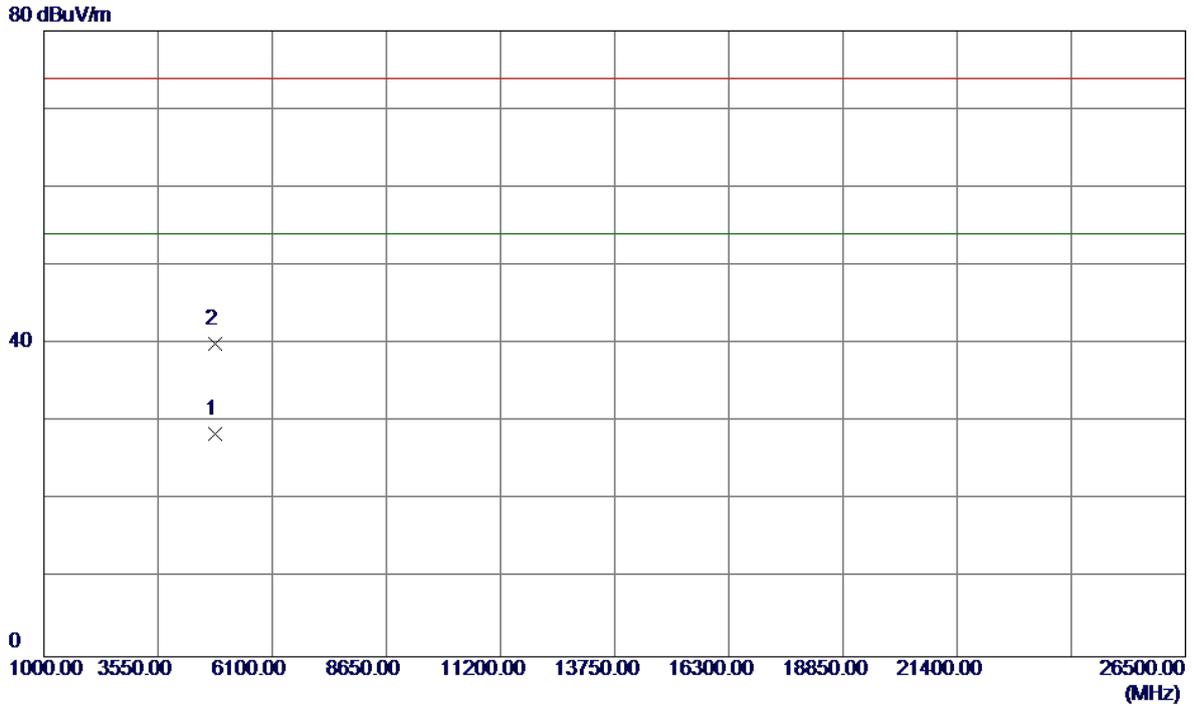
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	33.04	33.01	66.05	74.00	-7.95	Peak	
2	2390.0000	20.22	33.01	53.23	54.00	-0.77	AVG	
3	2410.0000	77.54	33.09	110.63	74.00	36.63	Peak	No Limit
4 *	2414.5500	67.88	33.11	100.99	54.00	46.99	AVG	No Limit

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

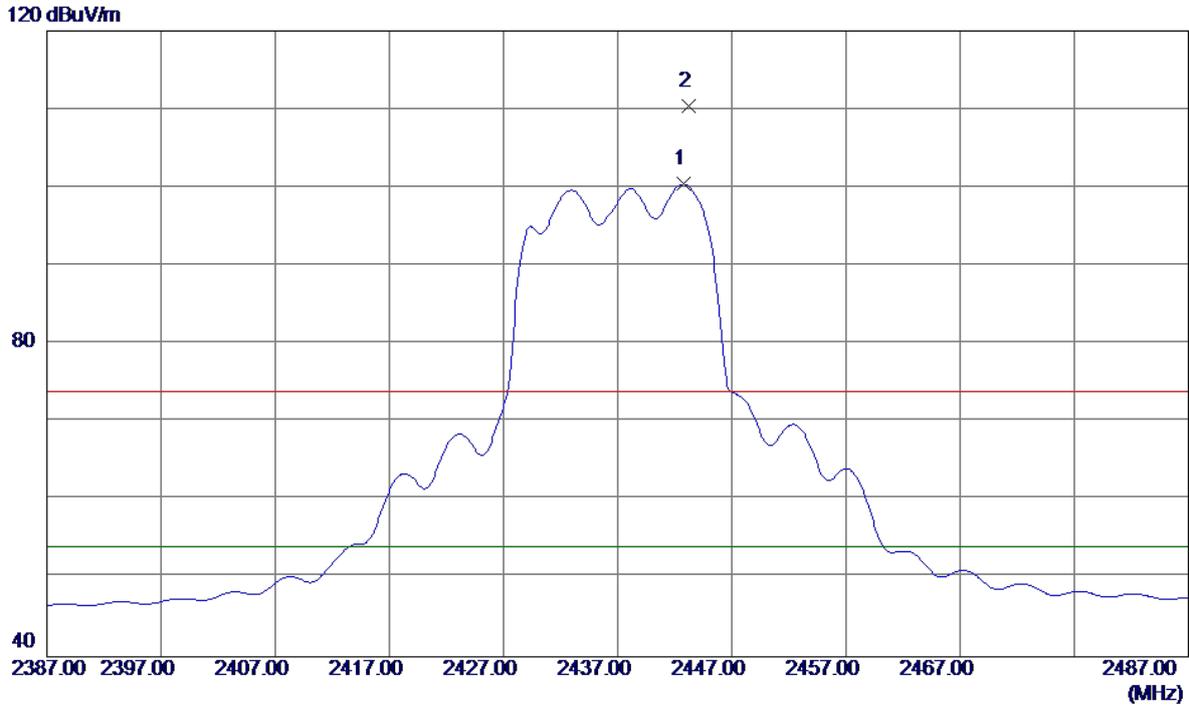
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.9150	23.68	4.85	28.53	54.00	-25.47	AVG	
2	4824.1549	35.13	4.85	39.98	74.00	-34.02	Peak	

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

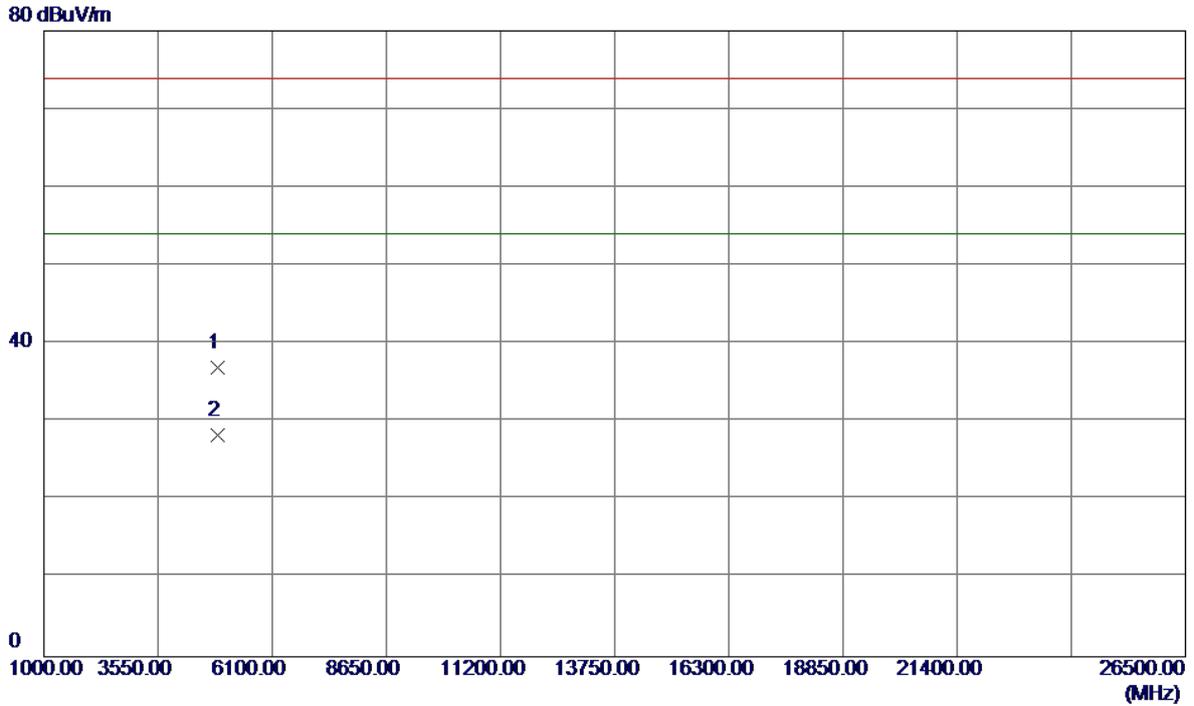
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2442.7500	67.17	33.23	100.40	54.00	46.40	AVG	No Limit
2	2443.2500	77.20	33.23	110.43	74.00	36.43	Peak	No Limit

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

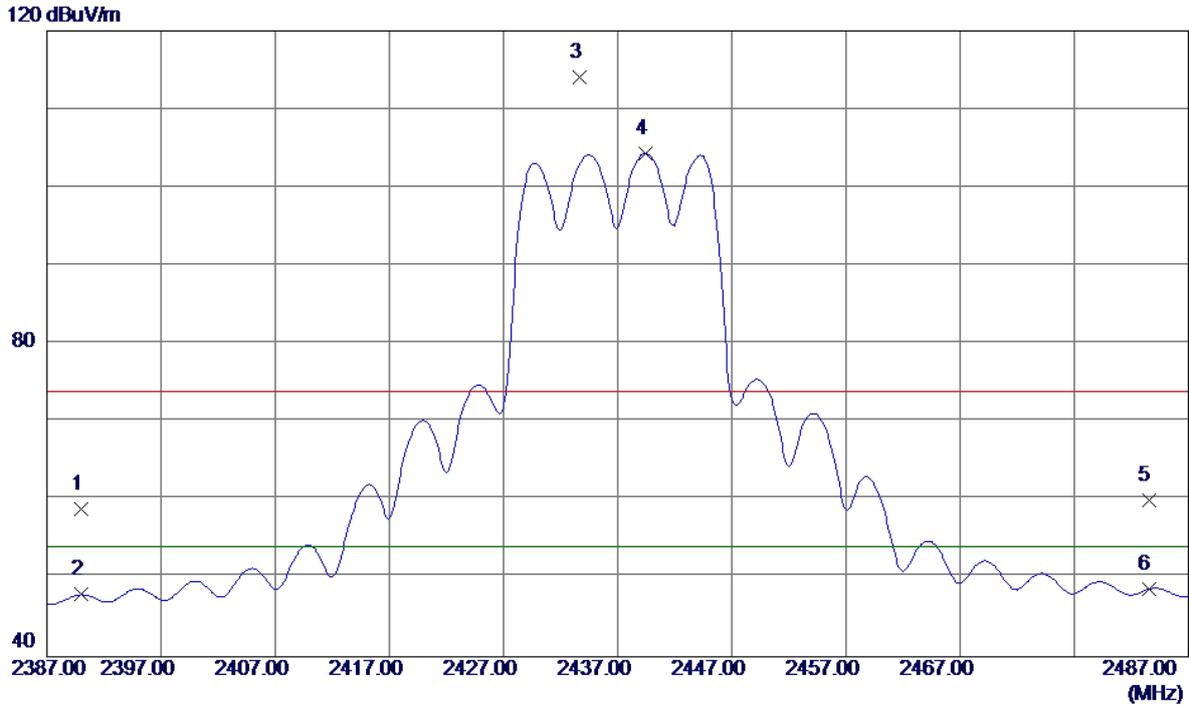
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.1500	31.91	5.07	36.98	74.00	-37.02	Peak	
2 *	4874.2140	23.27	5.07	28.34	54.00	-25.66	AVG	

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

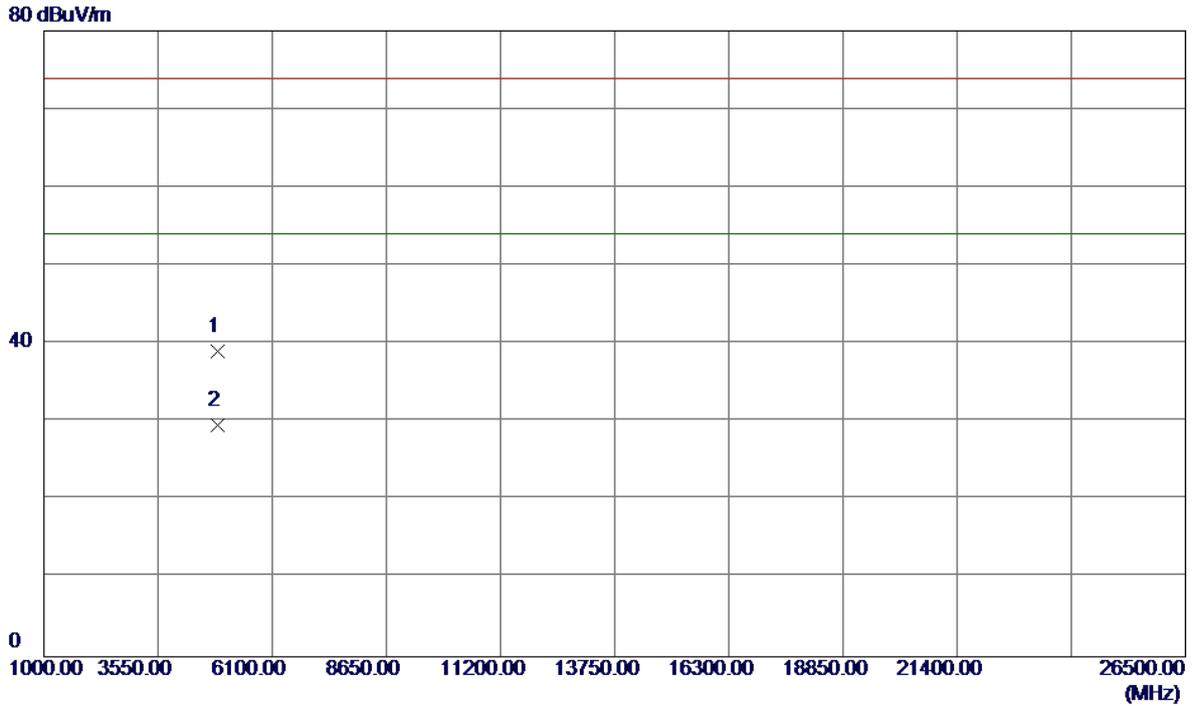
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	25.80	33.01	58.81	74.00	-15.19	Peak	
2	2390.0000	14.92	33.01	47.93	54.00	-6.07	AVG	
3	2433.7000	80.84	33.19	114.03	74.00	40.03	Peak	No Limit
4 *	2439.4000	71.15	33.22	104.37	54.00	50.37	AVG	No Limit
5	2483.5000	26.63	33.40	60.03	74.00	-13.97	Peak	
6	2483.5000	15.26	33.40	48.66	54.00	-5.34	AVG	

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

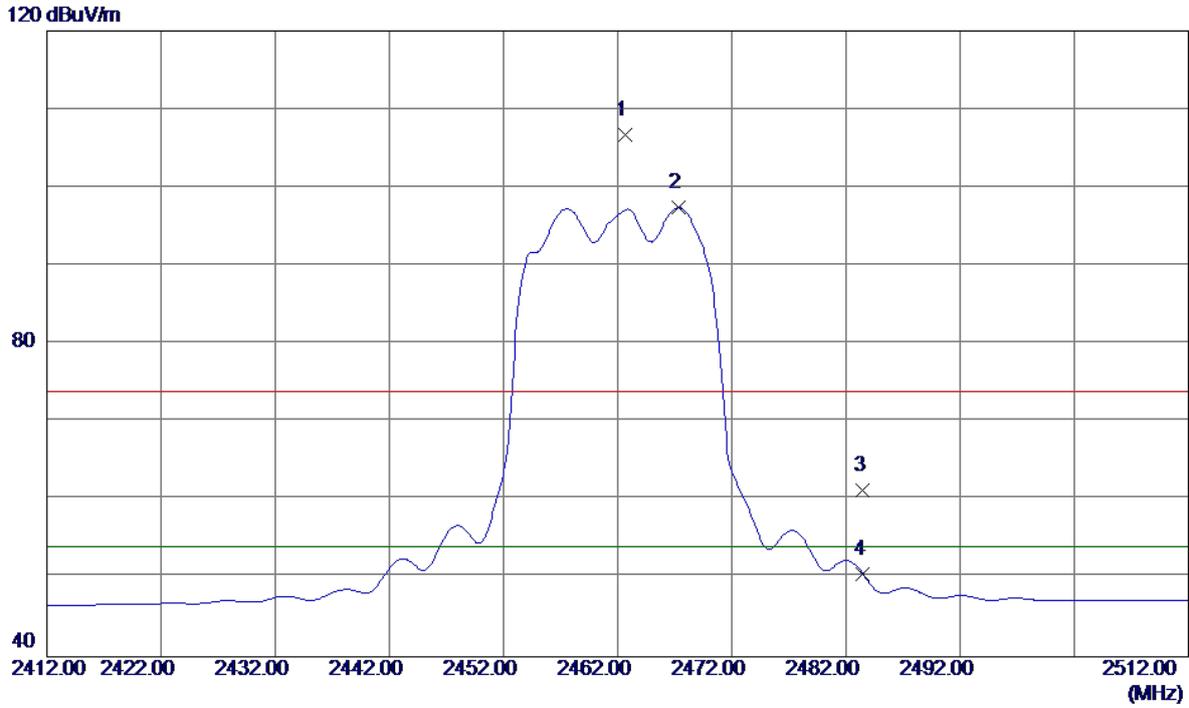
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0400	33.91	5.07	38.98	74.00	-35.02	Peak	
2 *	4874.1500	24.47	5.07	29.54	54.00	-24.46	AVG	

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

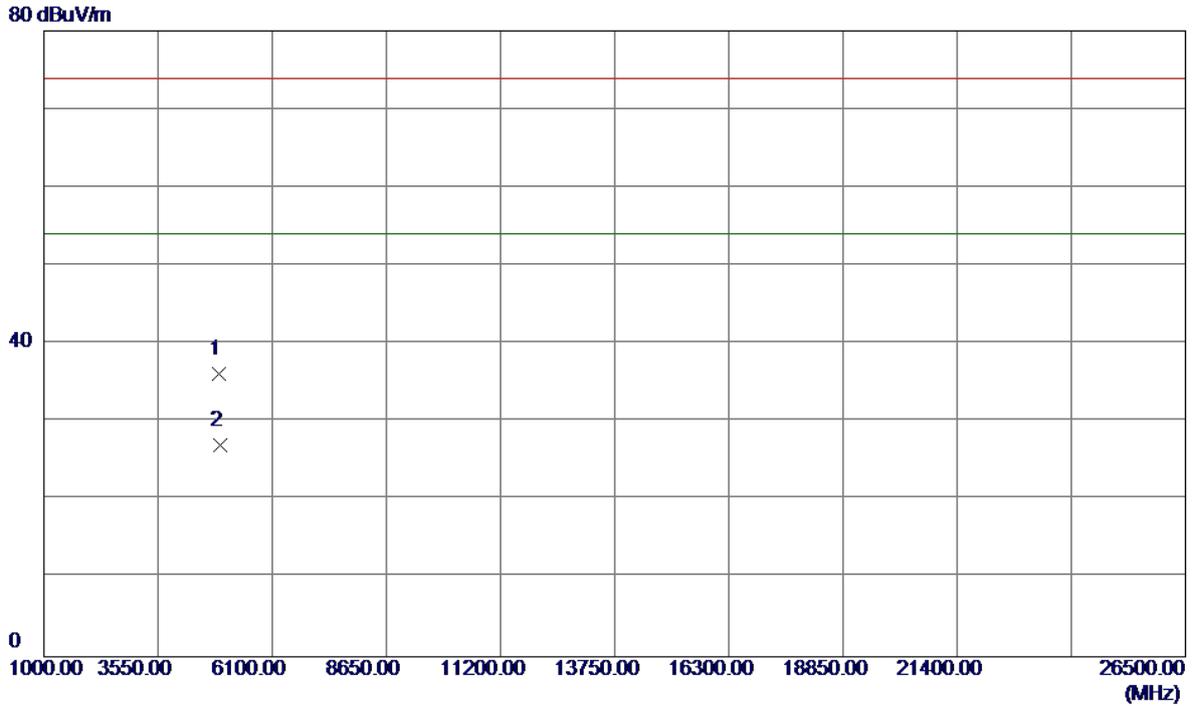
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2462.7000	73.36	33.31	106.67	74.00	32.67	Peak	No Limit
2 *	2467.3500	64.08	33.33	97.41	54.00	43.41	AVG	No Limit
3	2483.5000	27.86	33.40	61.26	74.00	-12.74	Peak	
4	2483.5000	17.20	33.40	50.60	54.00	-3.40	AVG	

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

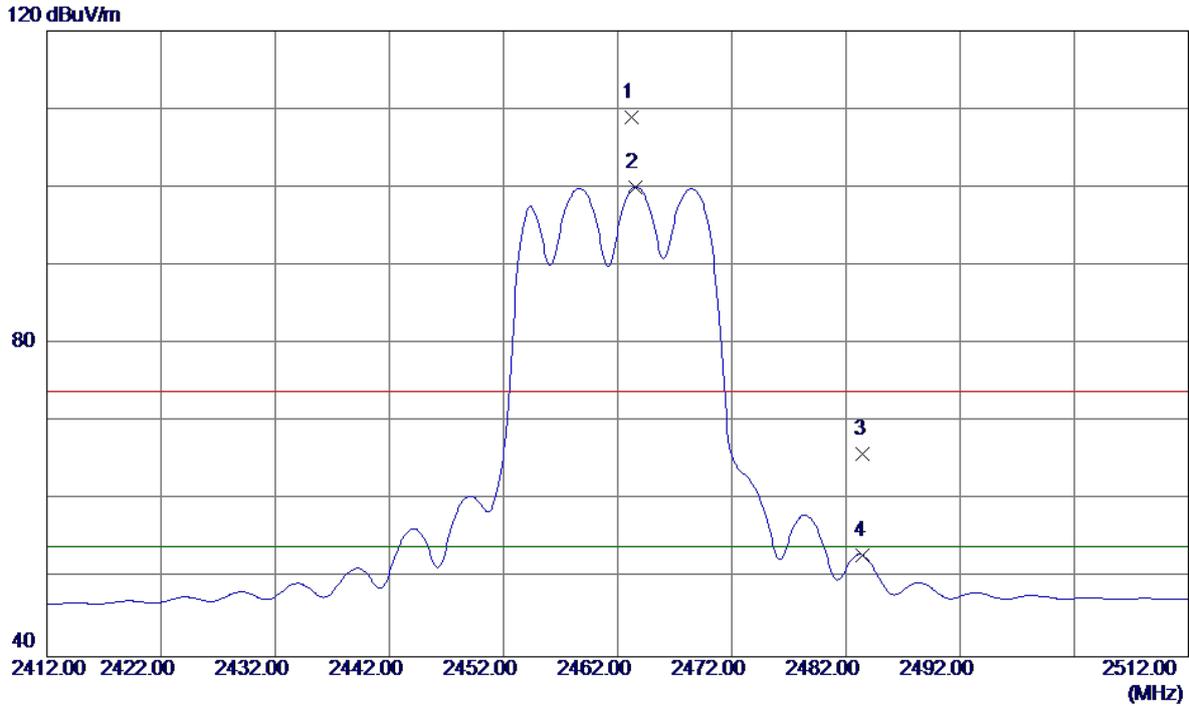
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.7150	30.83	5.28	36.11	74.00	-37.89	Peak	
2 *	4924.2050	21.72	5.28	27.00	54.00	-27.00	AVG	

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

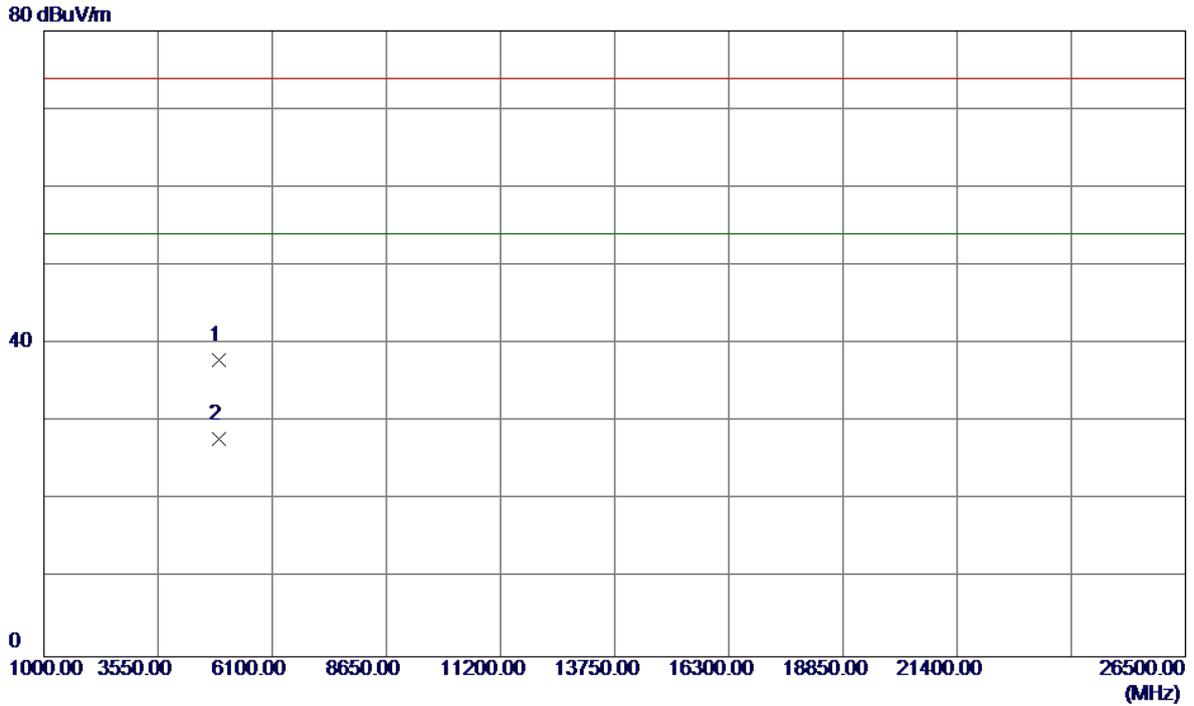
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.2500	75.70	33.32	109.02	74.00	35.02	Peak	No Limit
2 *	2463.6000	66.75	33.32	100.07	54.00	46.07	AVG	No Limit
3	2483.5000	32.54	33.40	65.94	74.00	-8.06	Peak	
4	2483.5000	19.53	33.40	52.93	54.00	-1.07	AVG	

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

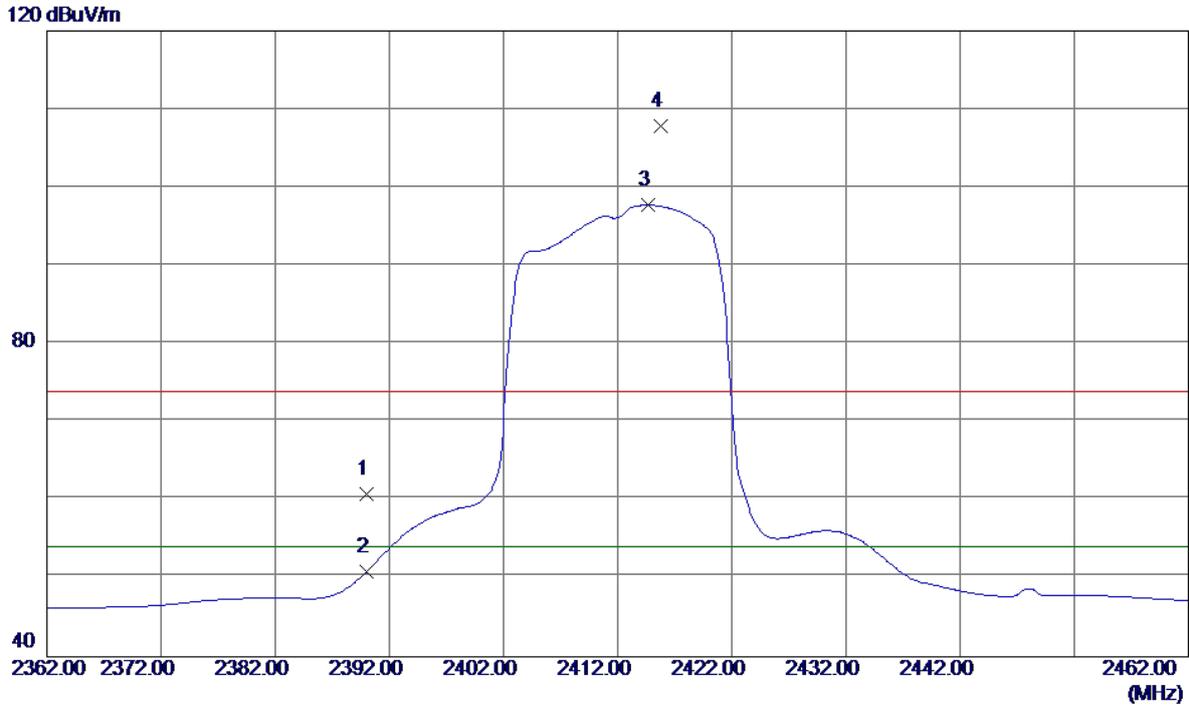
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.9350	32.66	5.28	37.94	74.00	-36.06	Peak	
2 *	4924.0950	22.63	5.28	27.91	54.00	-26.09	AVG	

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

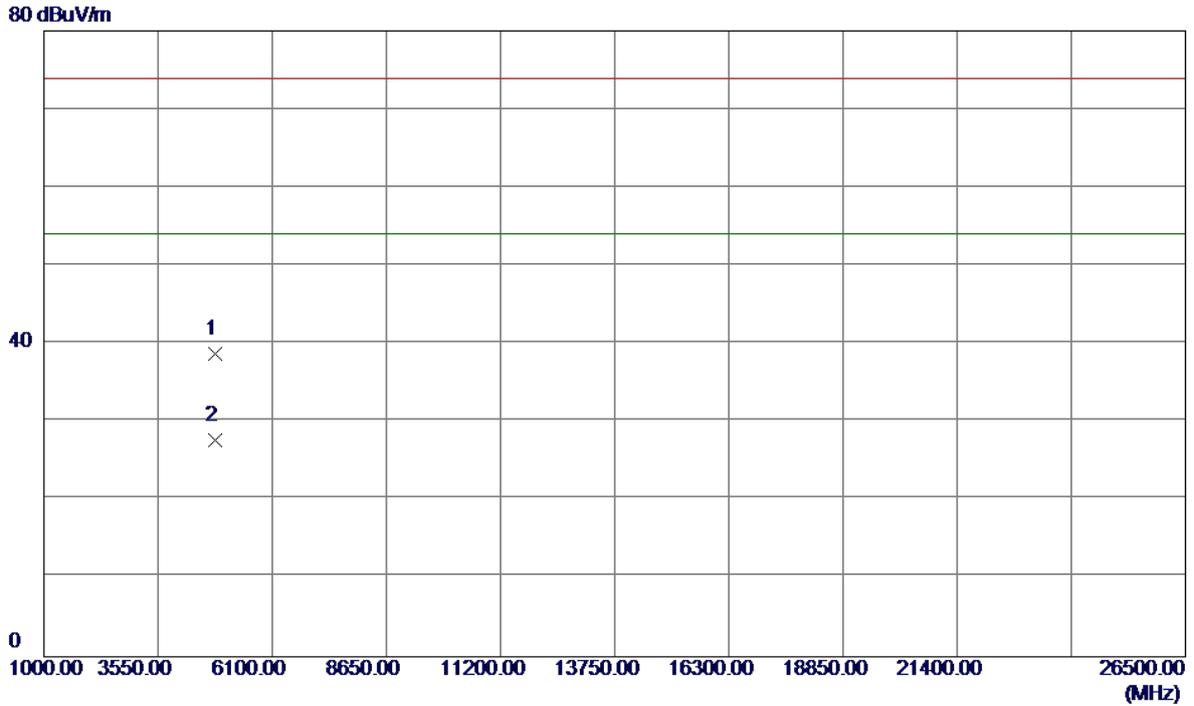
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	27.72	33.01	60.73	74.00	-13.27	Peak	
2	2390.0000	17.93	33.01	50.94	54.00	-3.06	AVG	
3 *	2414.7000	64.62	33.11	97.73	54.00	43.73	AVG	No Limit
4	2415.7500	74.64	33.12	107.76	74.00	33.76	Peak	No Limit

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

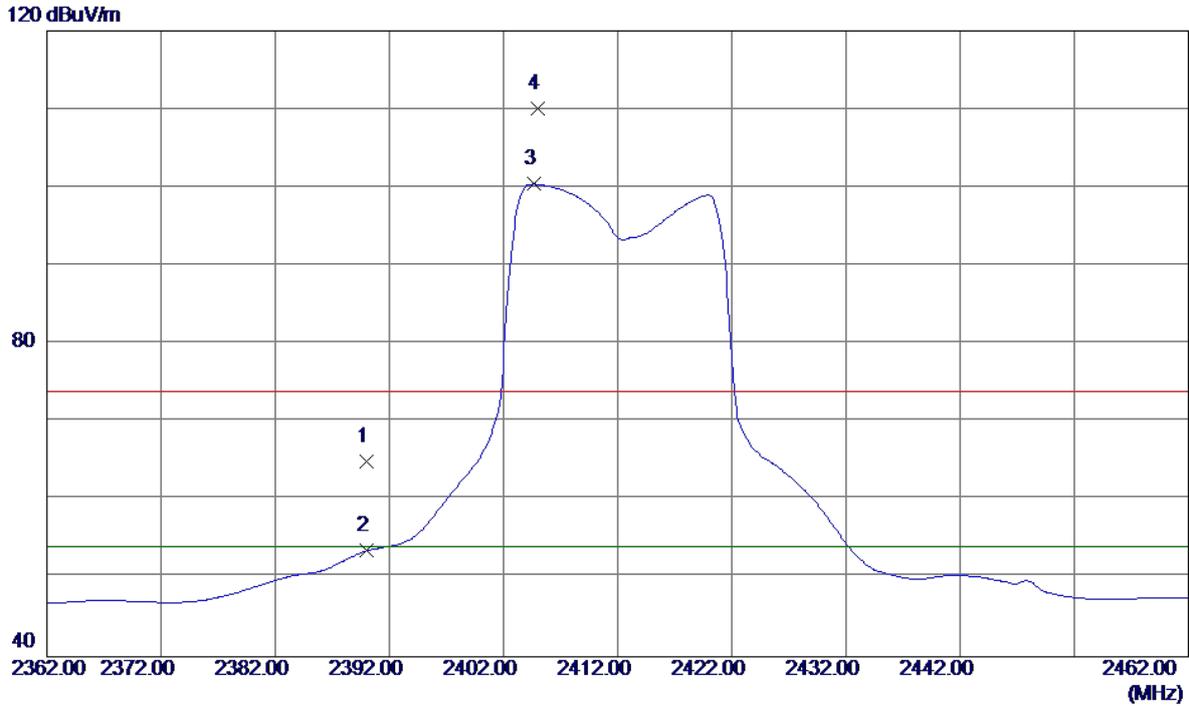
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9750	33.80	4.85	38.65	74.00	-35.35	Peak	
2 *	4824.1250	22.76	4.85	27.61	54.00	-26.39	AVG	

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

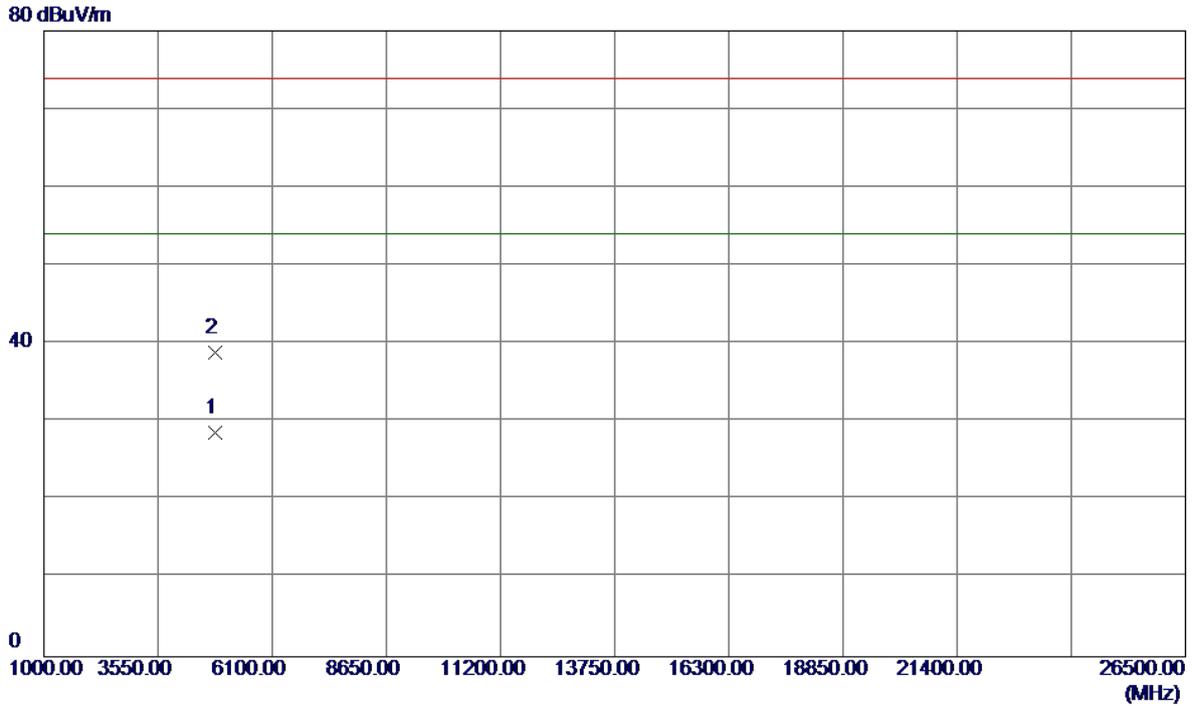
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	32.00	33.01	65.01	74.00	-8.99	Peak	
2	2390.0000	20.57	33.01	53.58	54.00	-0.42	AVG	
3 *	2404.7000	67.34	33.07	100.41	54.00	46.41	AVG	No Limit
4	2404.9500	77.04	33.07	110.11	74.00	36.11	Peak	No Limit

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

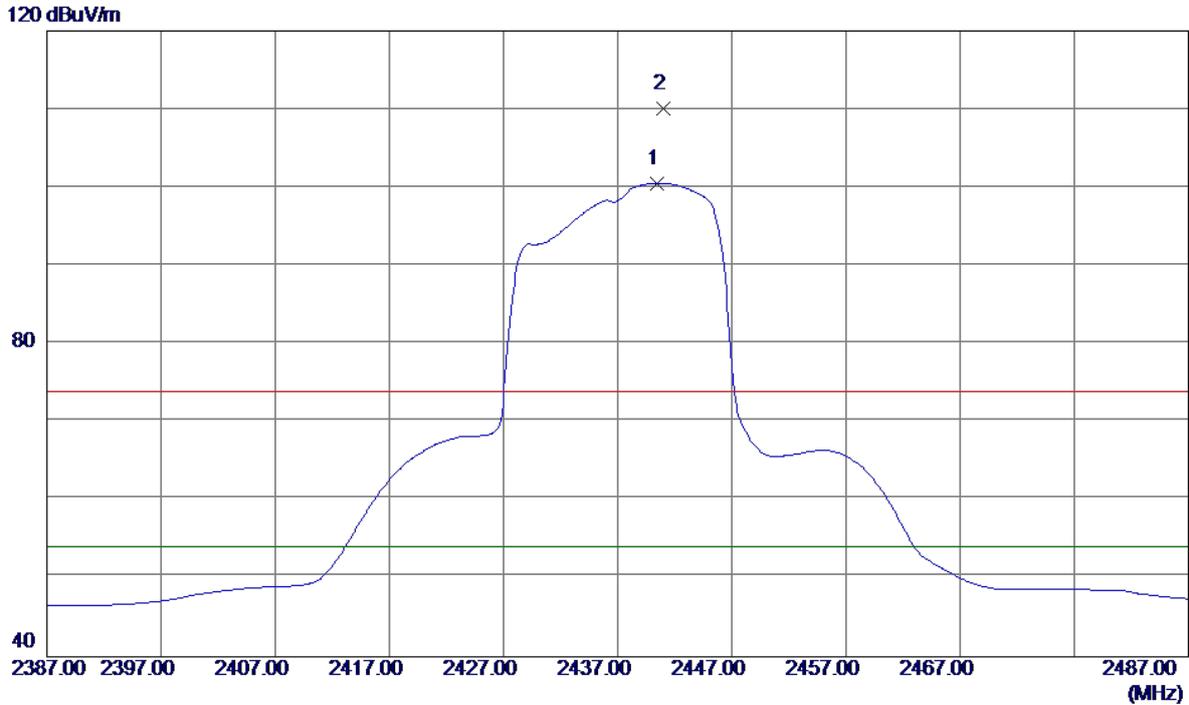
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.1250	23.86	4.85	28.71	54.00	-25.29	AVG	
2	4823.9750	34.00	4.85	38.85	74.00	-35.15	Peak	

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

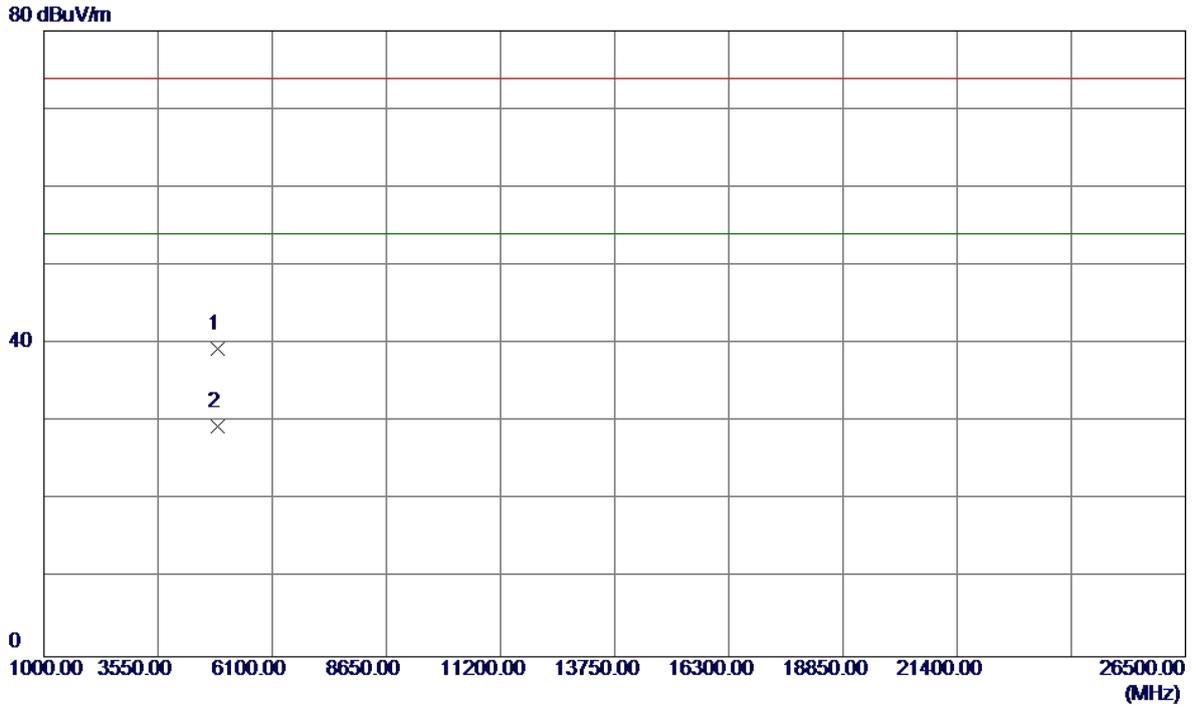
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2440.4000	67.33	33.22	100.55	54.00	46.55	AVG	No Limit
2	2441.0500	76.83	33.22	110.05	74.00	36.05	Peak	No Limit

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

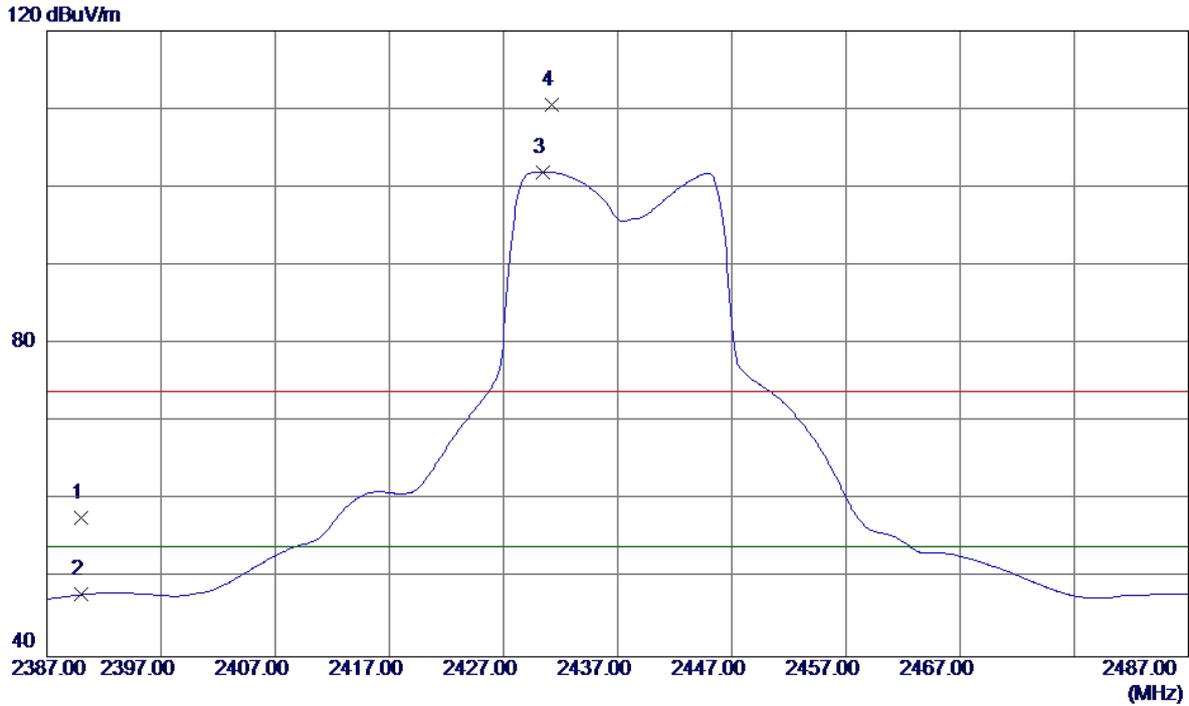
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.9700	34.30	5.07	39.37	74.00	-34.63	Peak	
2 *	4874.1050	24.39	5.07	29.46	54.00	-24.54	AVG	

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

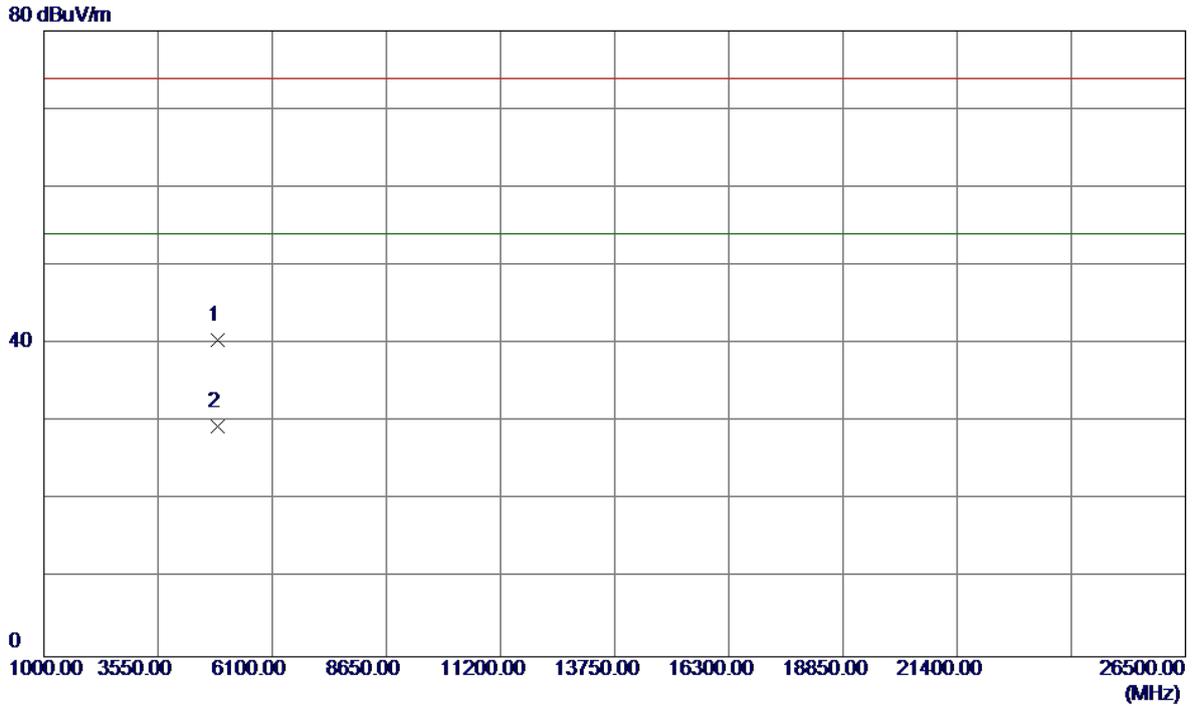
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.69	33.01	57.70	74.00	-16.30	Peak	
2	2390.0000	14.93	33.01	47.94	54.00	-6.06	AVG	
3 *	2430.4500	68.79	33.18	101.97	54.00	47.97	AVG	No Limit
4	2431.2500	77.38	33.18	110.56	74.00	36.56	Peak	No Limit

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

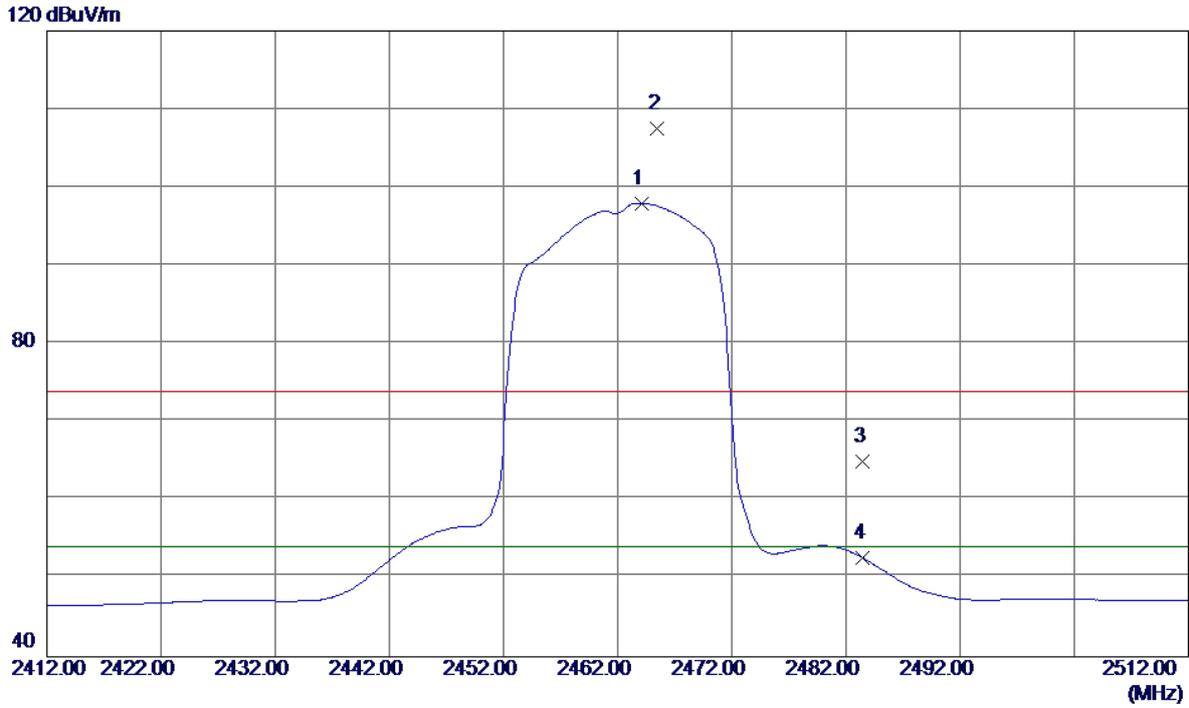
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No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.9700	35.35	5.07	40.42	74.00	-33.58	Peak	
2 *	4874.1050	24.39	5.07	29.46	54.00	-24.54	AVG	

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

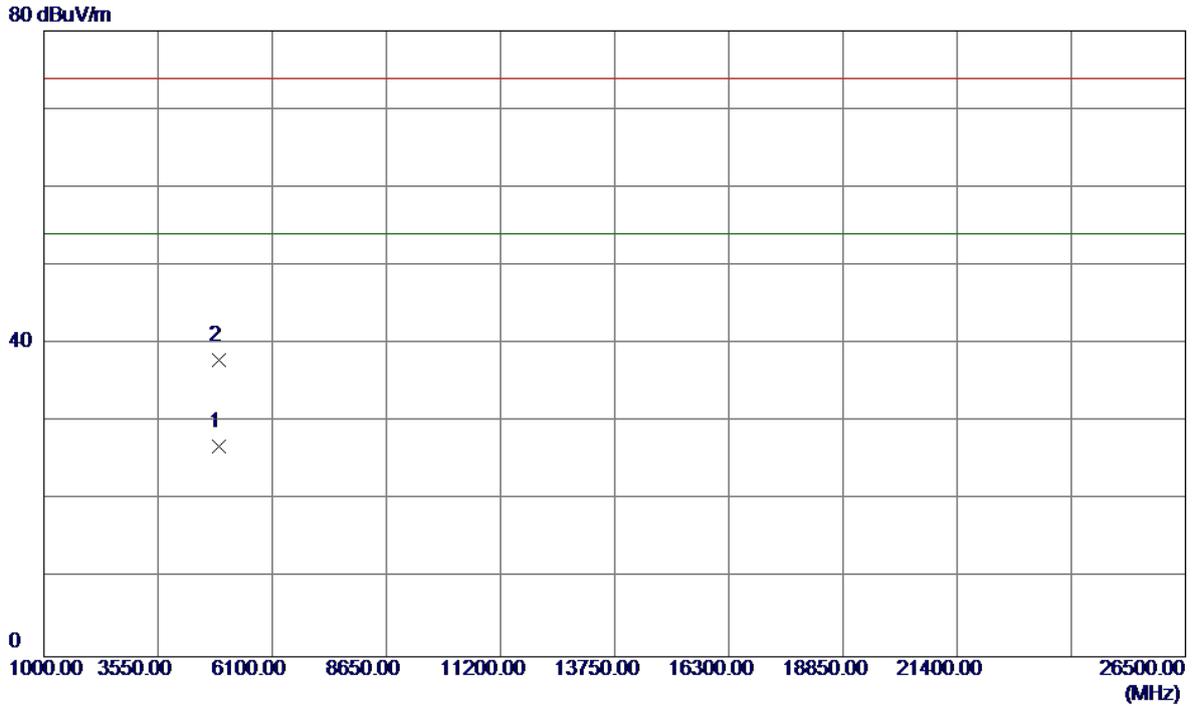
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2464.1000	64.63	33.32	97.95	54.00	43.95	AVG	No Limit
2	2465.5000	74.17	33.33	107.50	74.00	33.50	Peak	No Limit
3	2483.5000	31.52	33.40	64.92	74.00	-9.08	Peak	
4	2483.5000	19.23	33.40	52.63	54.00	-1.37	AVG	

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

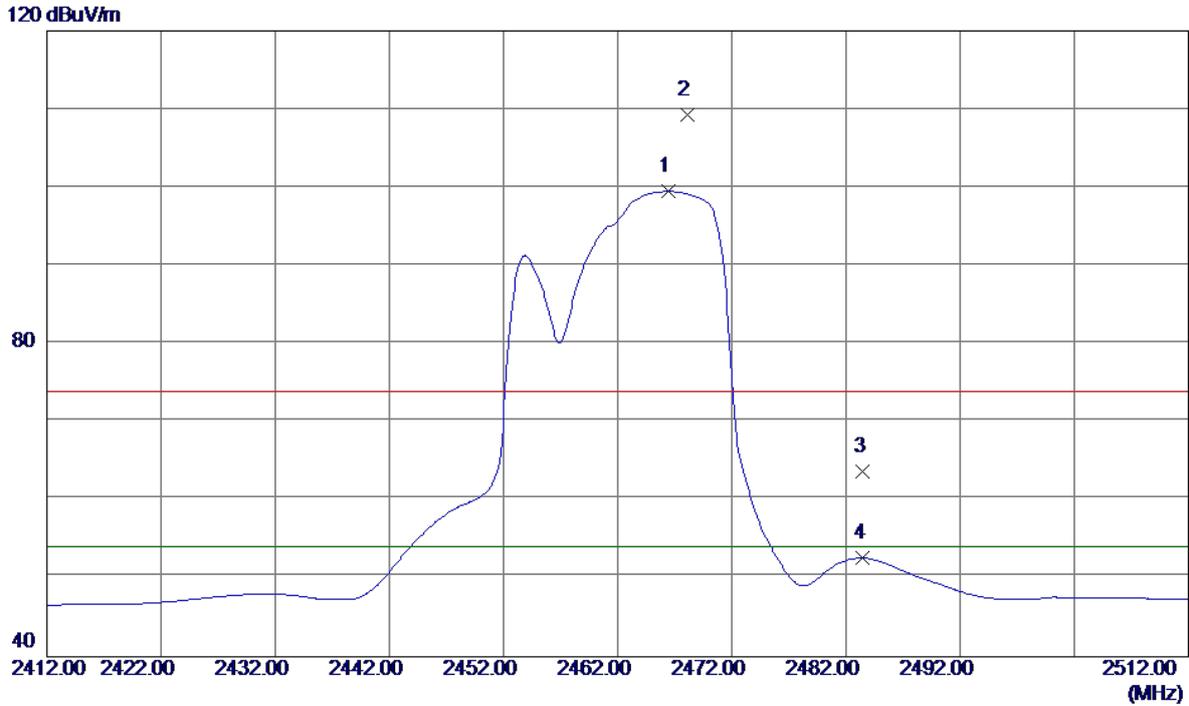
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9250	21.67	5.28	26.95	54.00	-27.05	AVG	
2	4924.0750	32.69	5.28	37.97	74.00	-36.03	Peak	

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

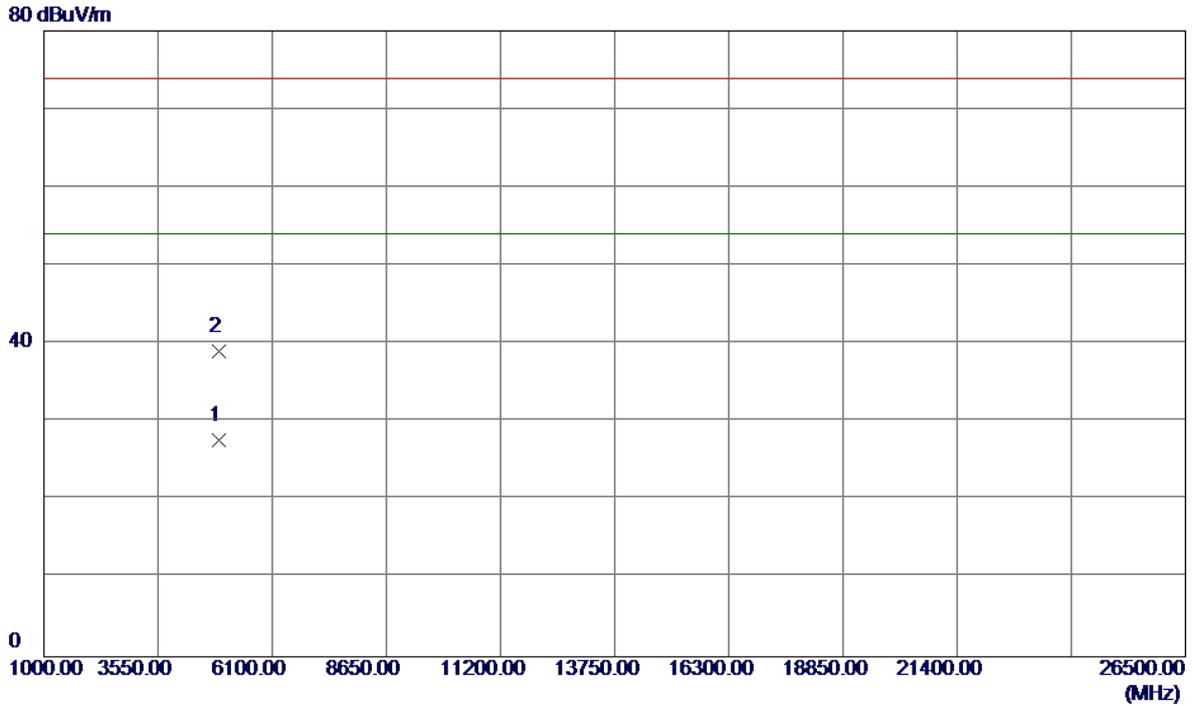
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2466.4000	66.14	33.33	99.47	54.00	45.47	AVG	No Limit
2	2468.1500	75.99	33.34	109.33	74.00	35.33	Peak	No Limit
3	2483.5000	30.30	33.40	63.70	74.00	-10.30	Peak	
4	2483.5000	19.22	33.40	52.62	54.00	-1.38	AVG	

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

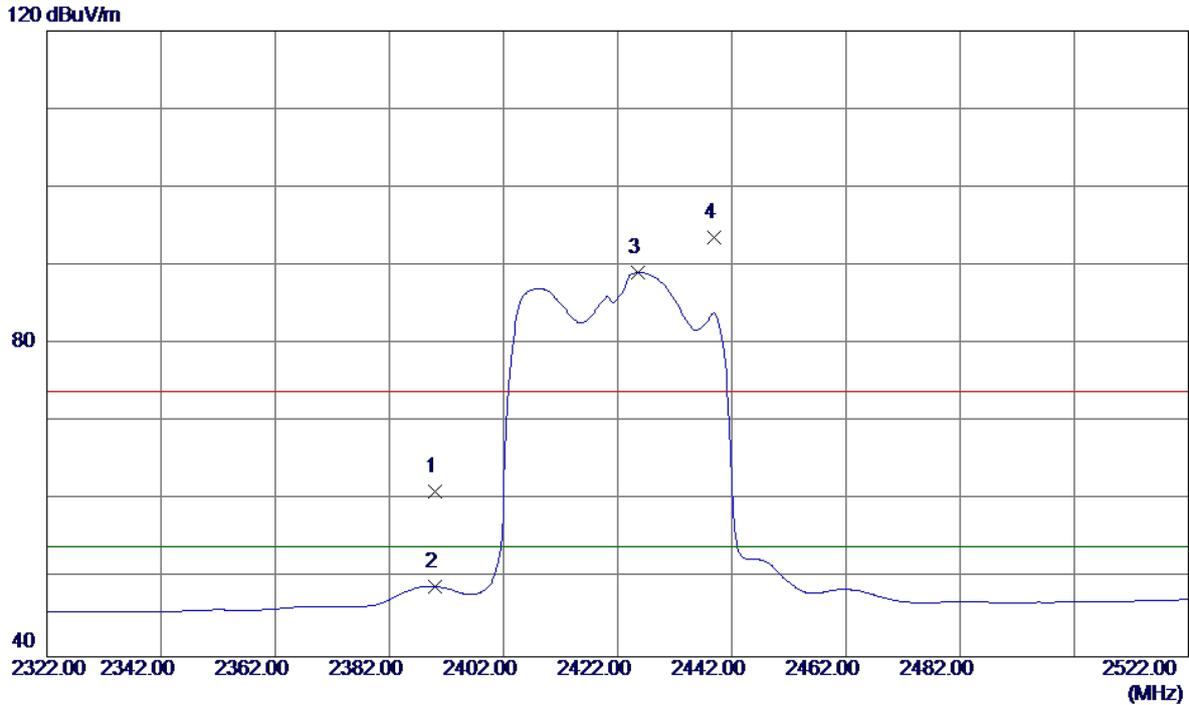
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9250	22.35	5.28	27.63	54.00	-26.37	AVG	
2	4924.0750	33.73	5.28	39.01	74.00	-34.99	Peak	

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

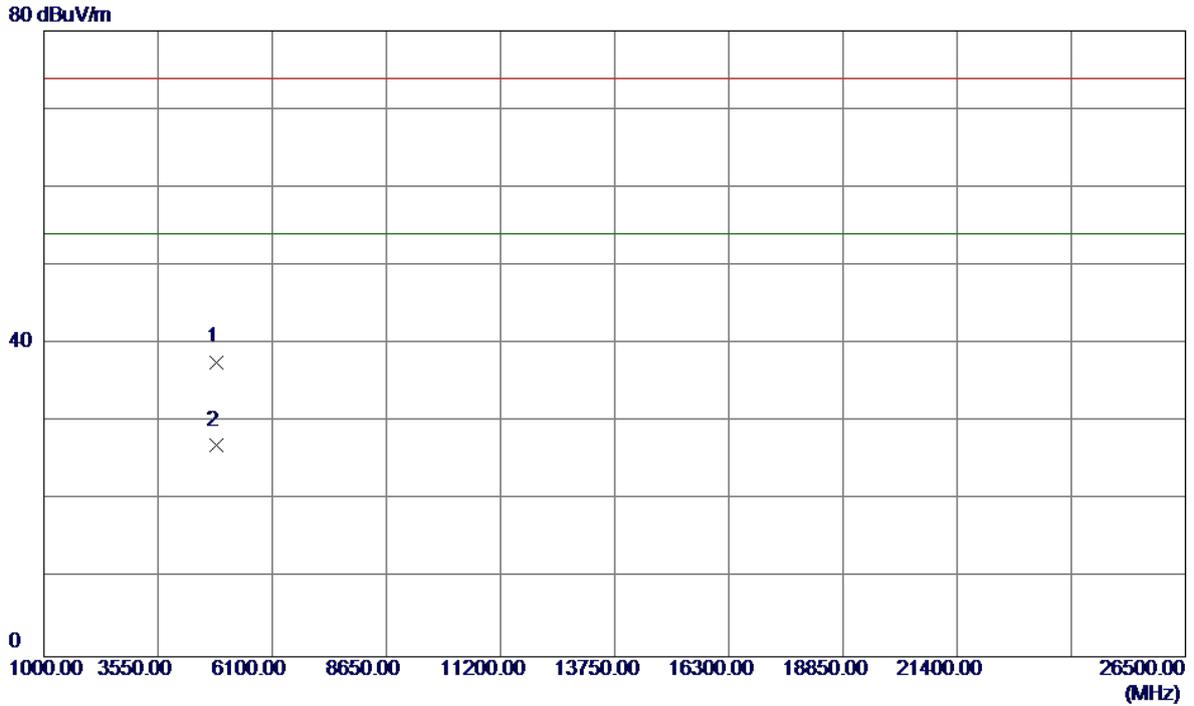
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	28.12	33.01	61.13	74.00	-12.87	Peak	
2	2390.0000	15.99	33.01	49.00	54.00	-5.00	AVG	
3 *	2425.6000	55.94	33.16	89.10	54.00	35.10	AVG	No Limit
4	2438.9000	60.43	33.21	93.64	74.00	19.64	Peak	No Limit

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

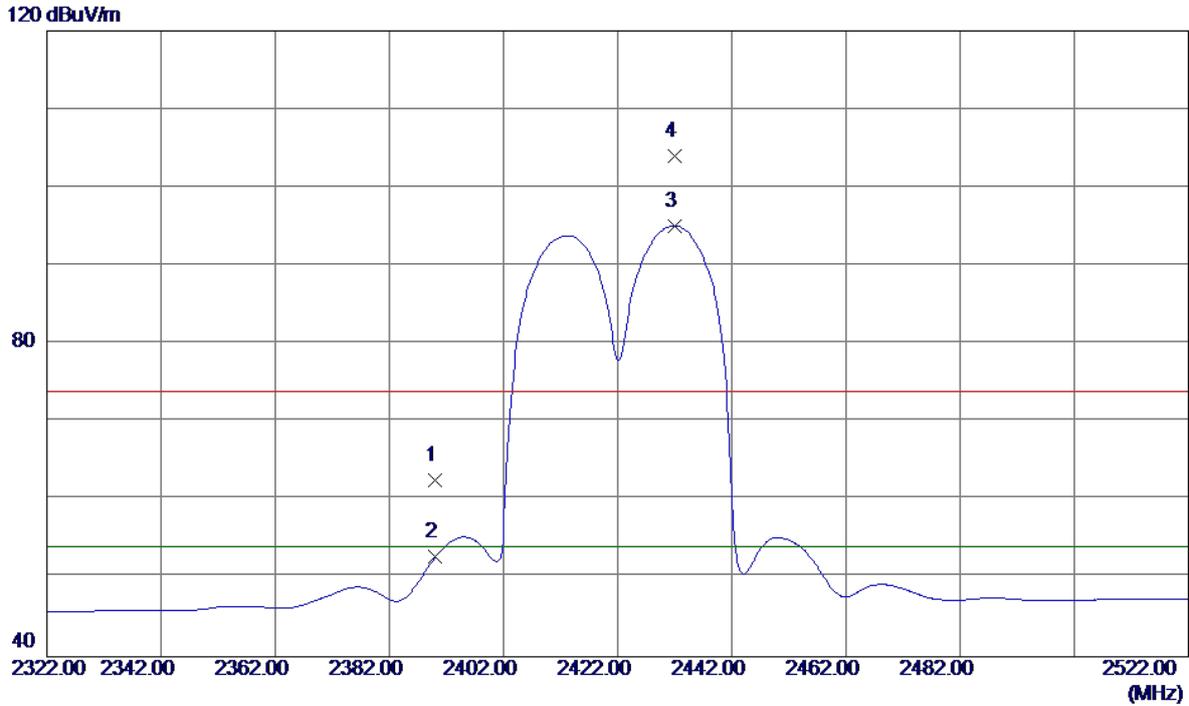
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.0600	32.74	4.94	37.68	74.00	-36.32	Peak	
2 *	4844.1150	22.10	4.94	27.04	54.00	-26.96	AVG	

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

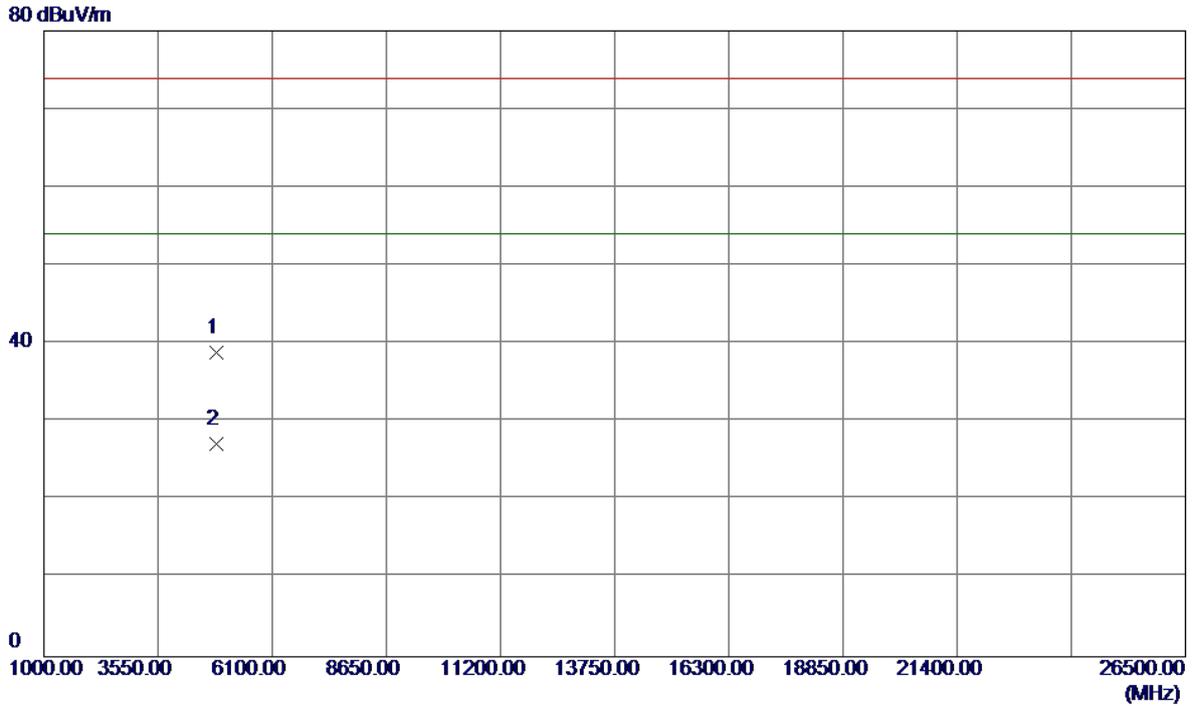
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	29.59	33.01	62.60	74.00	-11.40	Peak	
2	2390.0000	19.79	33.01	52.80	54.00	-1.20	AVG	
3 *	2431.9000	61.90	33.19	95.09	54.00	41.09	AVG	No Limit
4	2432.0000	70.83	33.19	104.02	74.00	30.02	Peak	No Limit

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

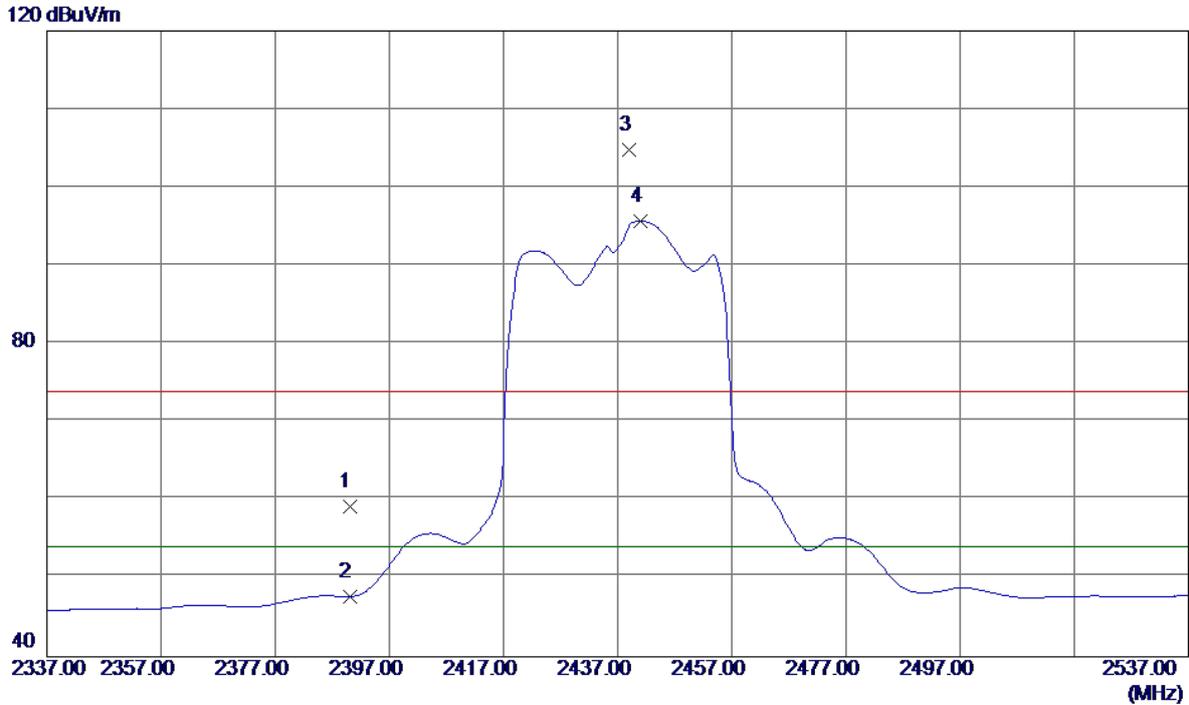
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.0600	33.92	4.94	38.86	74.00	-35.14	Peak	
2 *	4844.1150	22.22	4.94	27.16	54.00	-26.84	AVG	

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

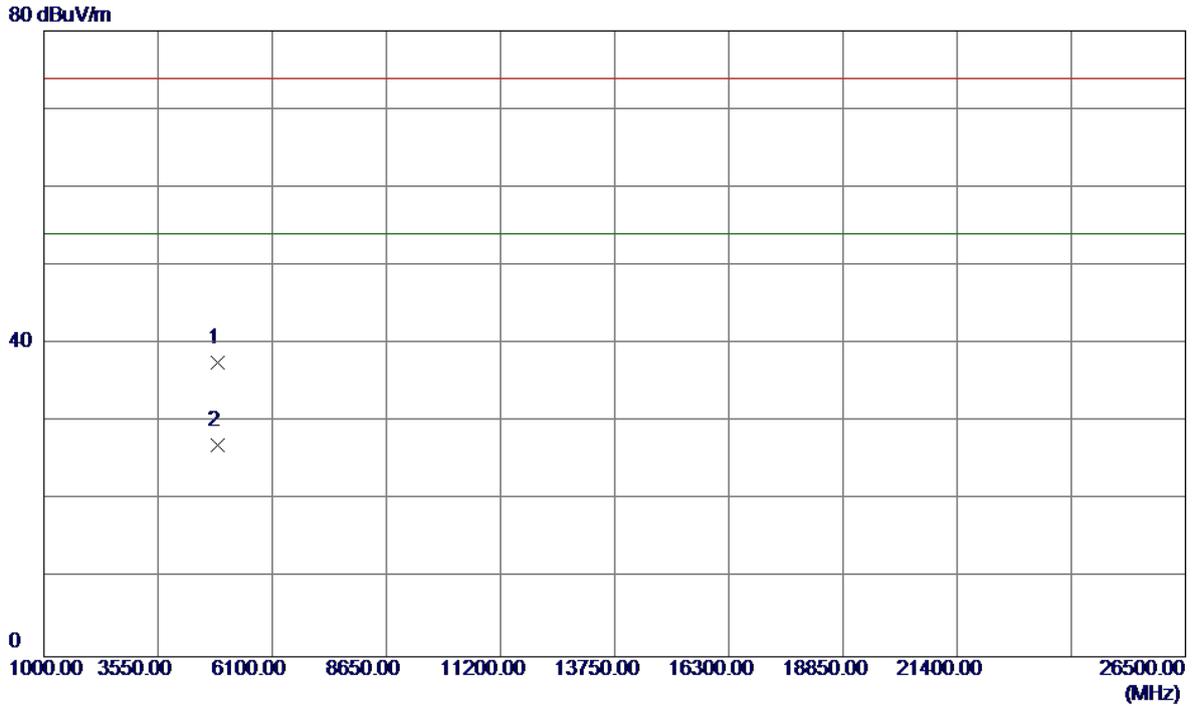
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	26.17	33.01	59.18	74.00	-14.82	Peak	
2	2390.0000	14.70	33.01	47.71	54.00	-6.29	AVG	
3	2438.9000	71.62	33.21	104.83	74.00	30.83	Peak	No Limit
4 *	2441.1000	62.48	33.22	95.70	54.00	41.70	AVG	No Limit

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

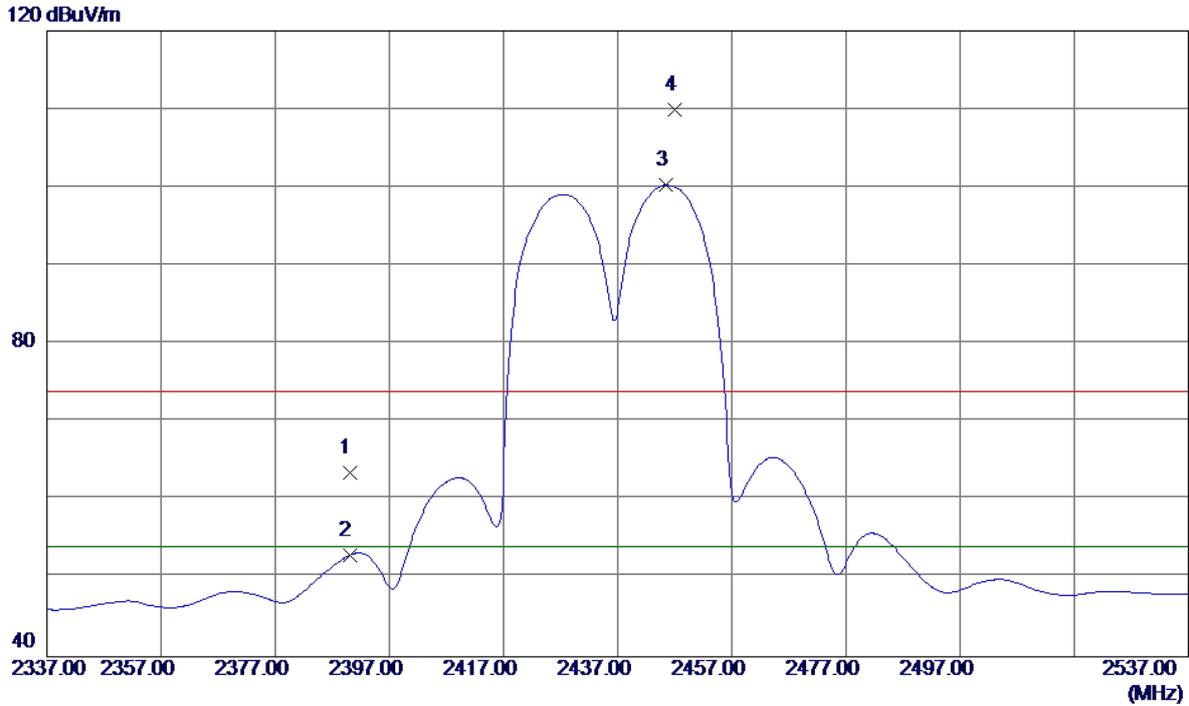
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.8550	32.50	5.07	37.57	74.00	-36.43	Peak	
2 *	4873.9200	21.93	5.07	27.00	54.00	-27.00	AVG	

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

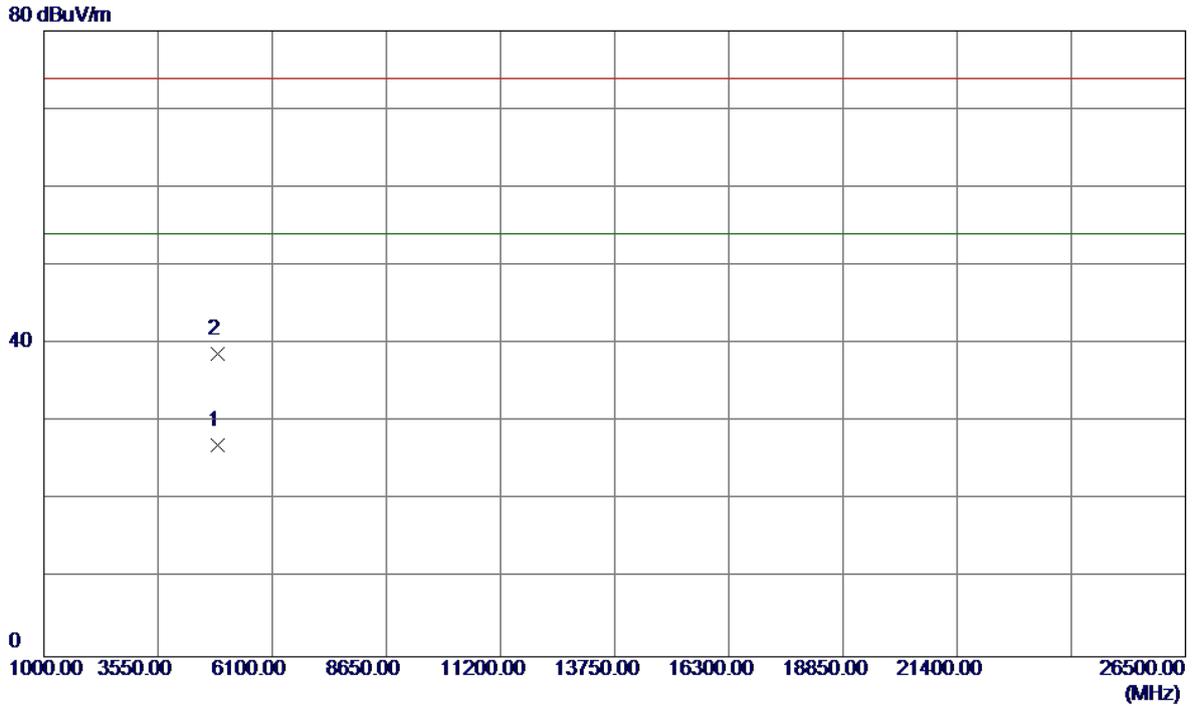
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	30.49	33.01	63.50	74.00	-10.50	Peak	
2	2390.0000	19.98	33.01	52.99	54.00	-1.01	AVG	
3 *	2445.5000	67.04	33.24	100.28	54.00	46.28	AVG	No Limit
4	2447.1000	76.69	33.25	109.94	74.00	35.94	Peak	No Limit

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

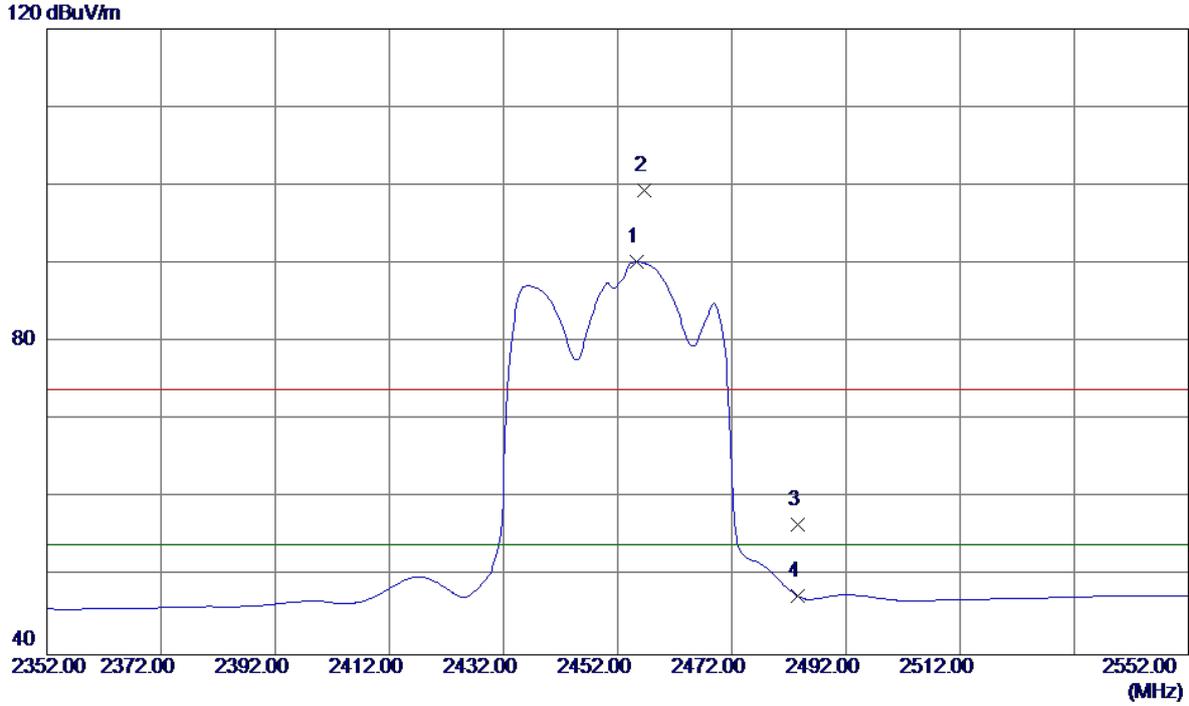
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.9200	22.00	5.07	27.07	54.00	-26.93	AVG	
2	4873.8550	33.59	5.07	38.66	74.00	-35.34	Peak	

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

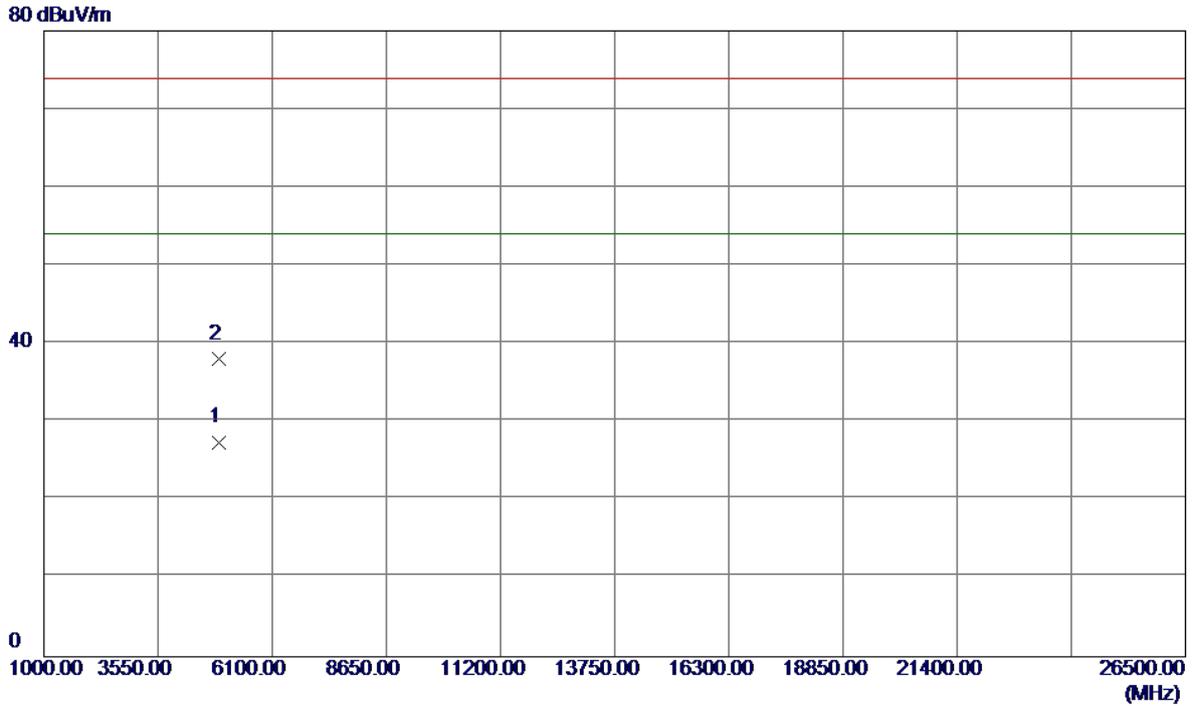
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2455.4000	56.91	33.28	90.19	54.00	36.19	AVG	NO LIMIT
2	2456.7000	66.13	33.29	99.42	74.00	25.42	Peak	NO LIMIT
3	2483.5000	23.25	33.40	56.65	74.00	-17.35	Peak	
4	2483.5000	14.11	33.40	47.51	54.00	-6.49	AVG	

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

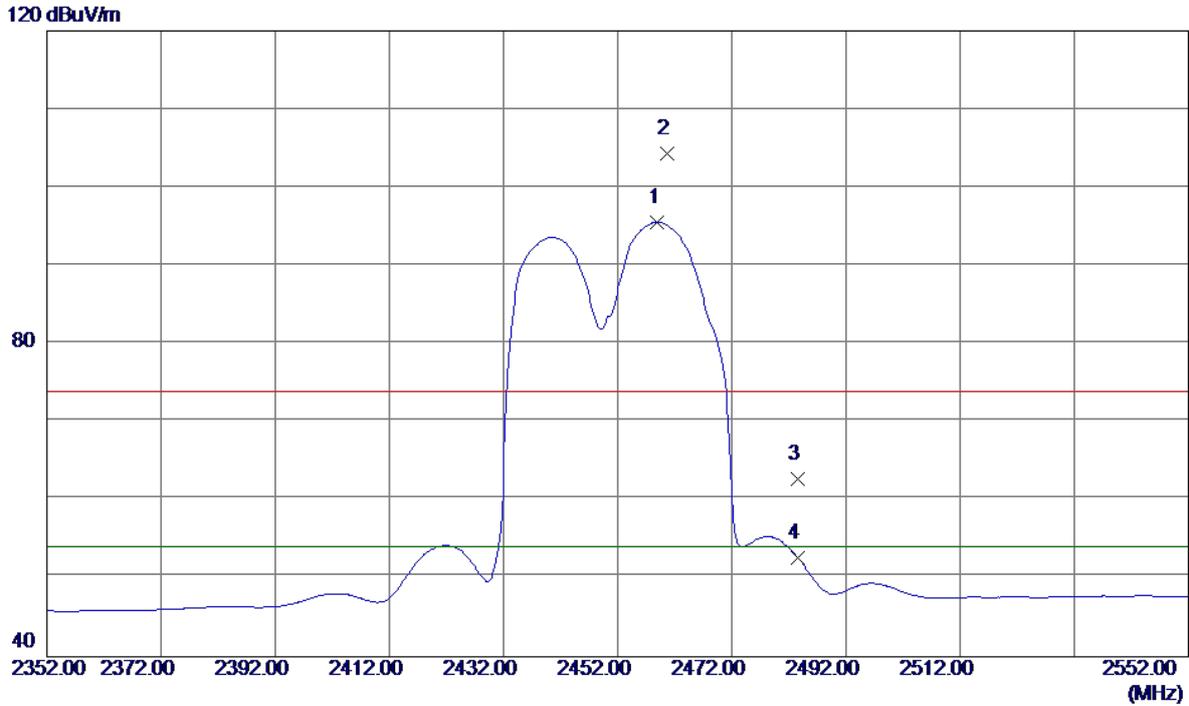
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4903.9250	22.25	5.19	27.44	54.00	-26.56	AVG	
2	4904.0200	32.84	5.19	38.03	74.00	-35.97	Peak	

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

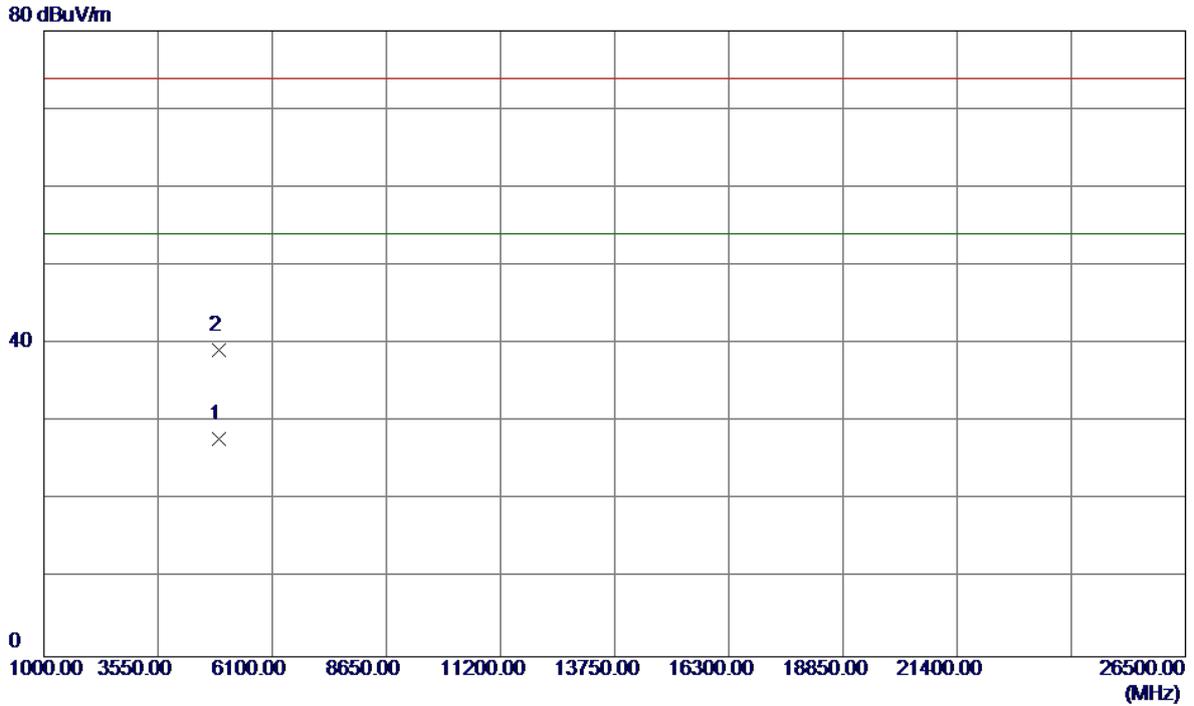
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2459.0000	62.27	33.30	95.57	54.00	41.57	AVG	NO LIMIT
2	2460.7000	70.97	33.31	104.28	74.00	30.28	Peak	NO LIMIT
3	2483.5000	29.29	33.40	62.69	74.00	-11.31	Peak	
4	2483.5000	19.30	33.40	52.70	54.00	-1.30	AVG	

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4903.9250	22.71	5.19	27.90	54.00	-26.10	AVG	
2	4904.0200	33.94	5.19	39.13	74.00	-34.87	Peak	

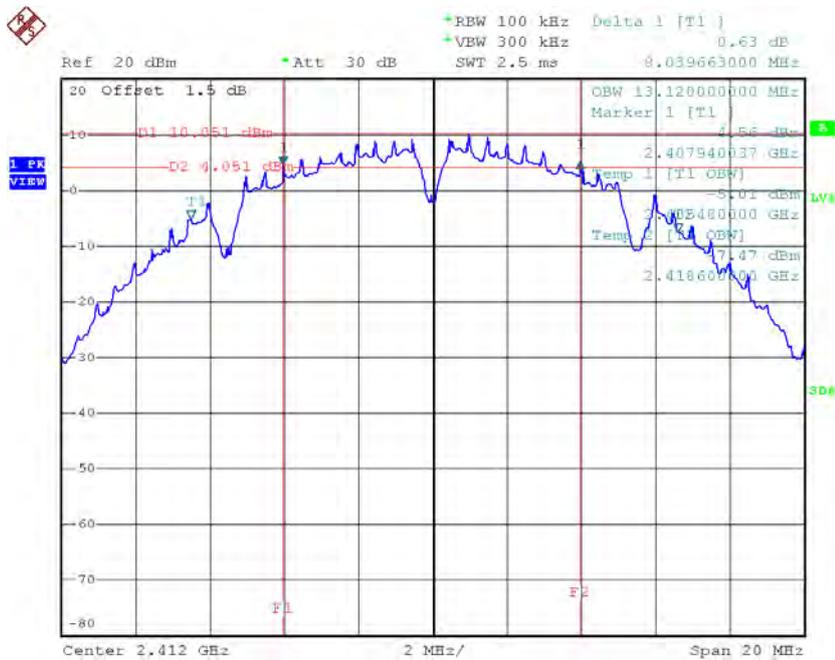
ATTACHMENT E - BANDWIDTH

For 1TX Non-Beamforming

Test Mode : TX B Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	8.04	13.12	500	Complies
2437	8.55	13.20	500	Complies
2462	8.60	13.08	500	Complies

TX CH01



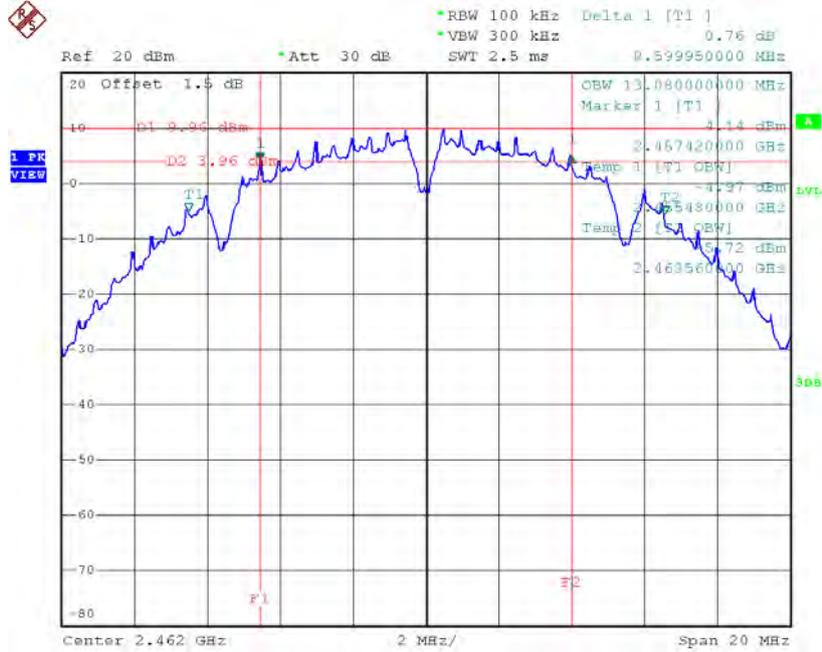
Date: 11.OCT.2016 09:56:18

TX CH06



Date: 11.OCT.2016 09:58:28

TX CH11

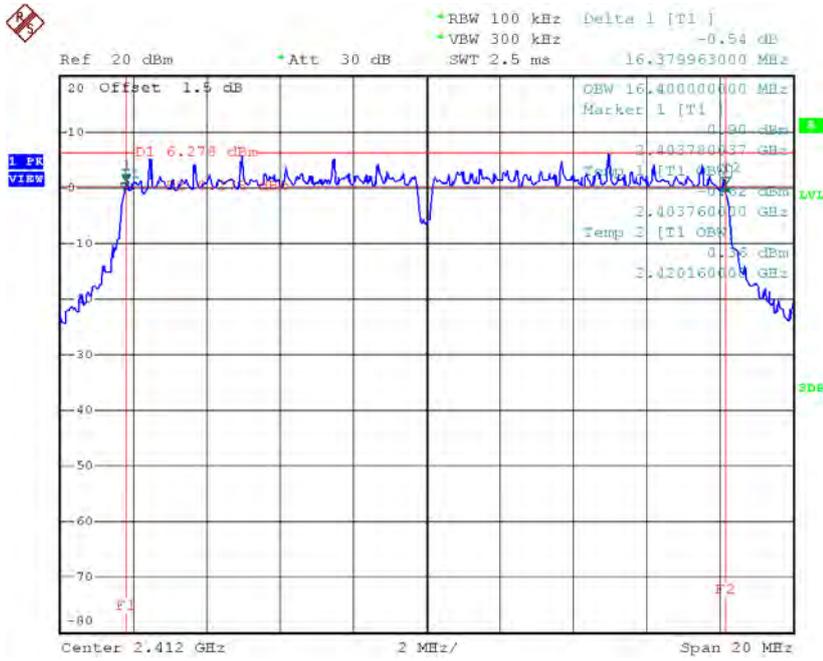


Date: 11.OCT.2016 09:59:54

Test Mode: TX G Mode_CH01/06/11

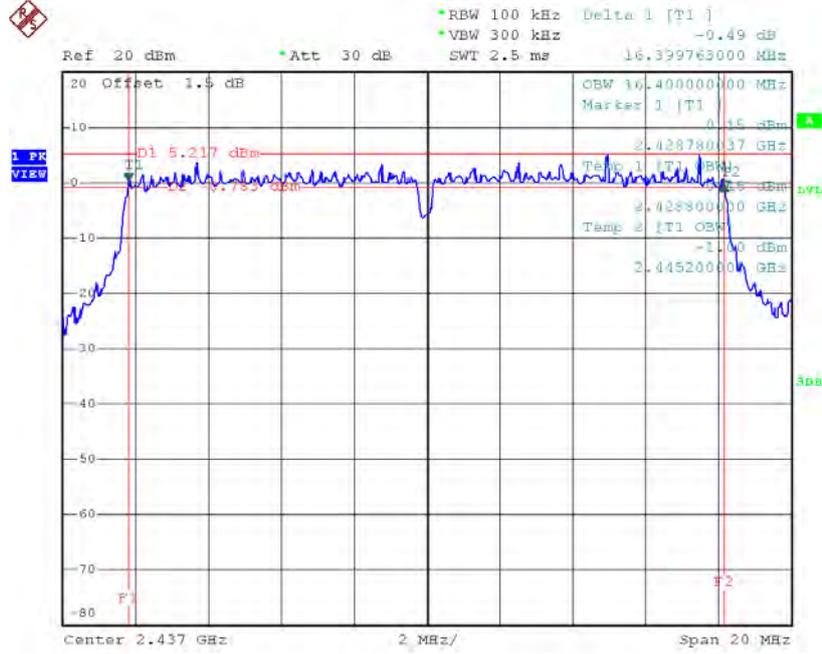
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.38	16.40	500	Complies
2437	16.40	16.40	500	Complies
2462	16.38	16.40	500	Complies

TX CH01



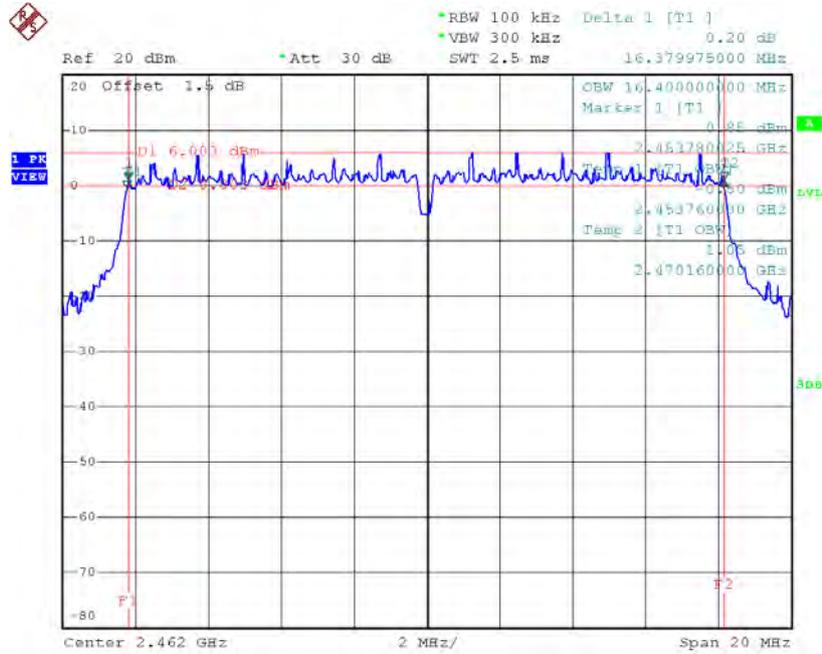
Date: 11.OCT.2016 10:01:25

TX CH06



Date: 11.OCT.2016 10:06:21

TX CH11

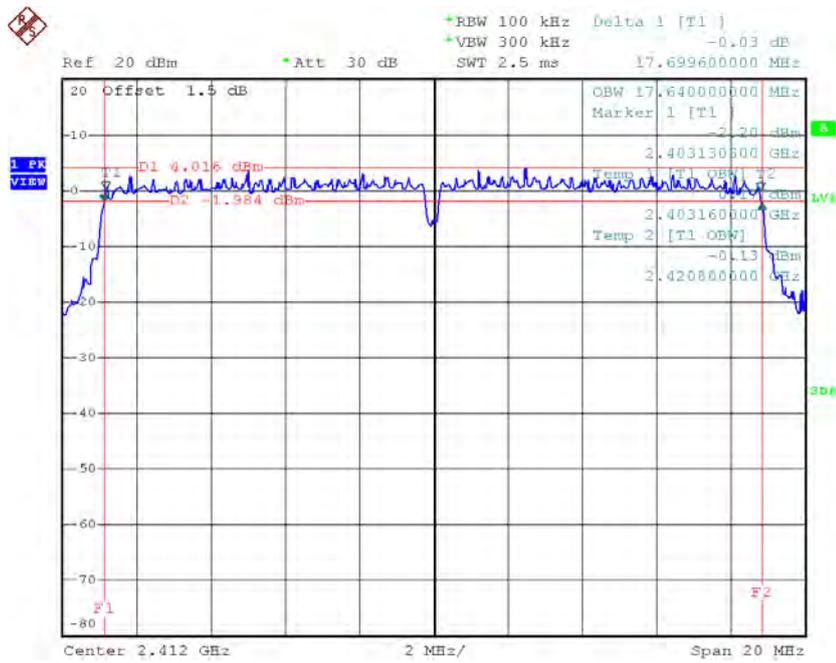


Date: 11.OCT.2016 10:08:27

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

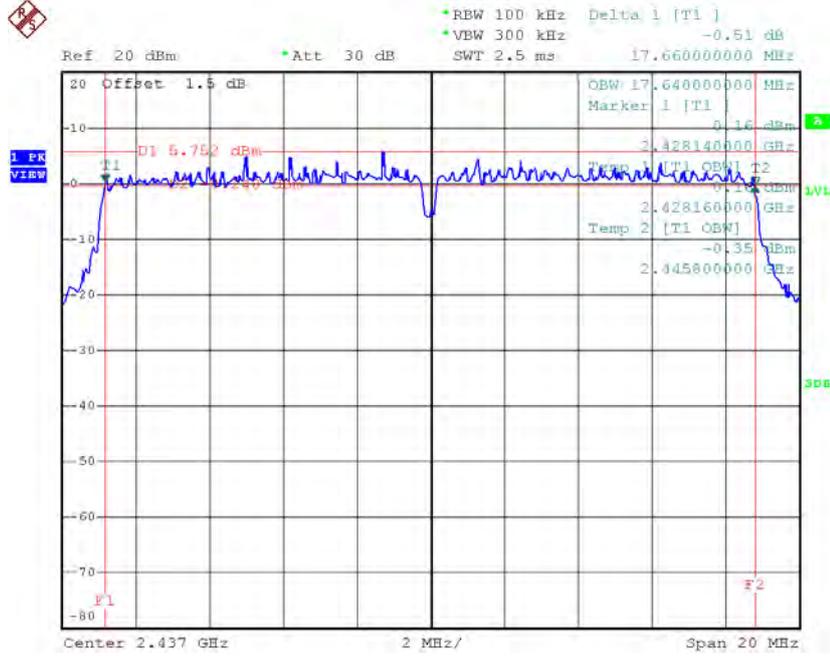
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.70	17.64	500	Complies
2437	17.66	17.64	500	Complies
2462	17.65	17.64	500	Complies

TX CH01



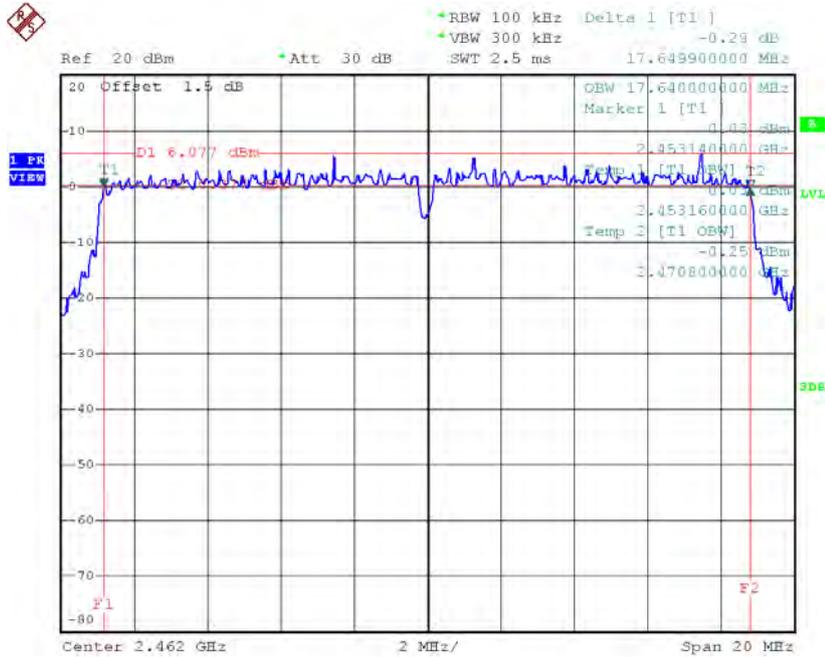
Date: 11.OCT.2016 10:09:55

TX CH06



Date: 11.OCT.2016 10:12:01

TX CH11

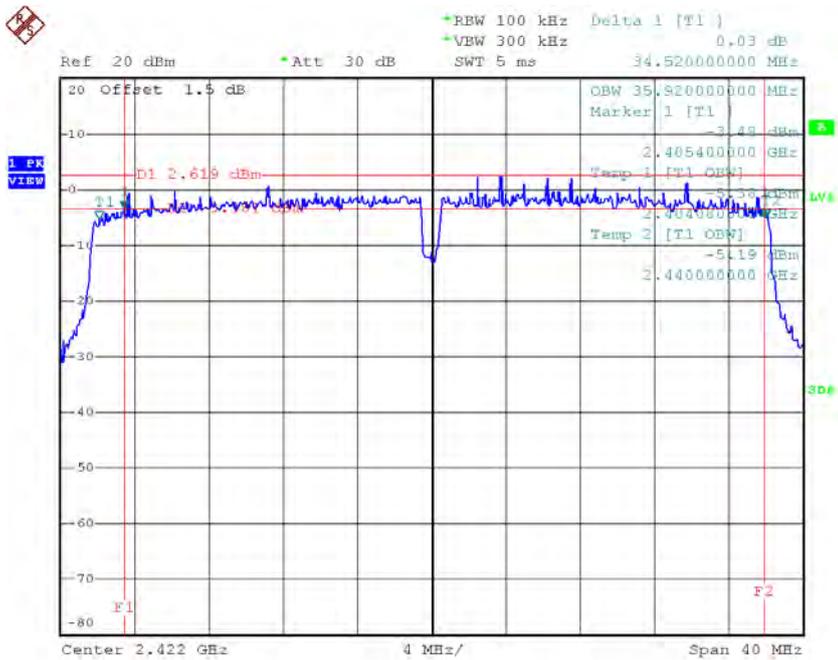


Date: 11.OCT.2016 10:13:05

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

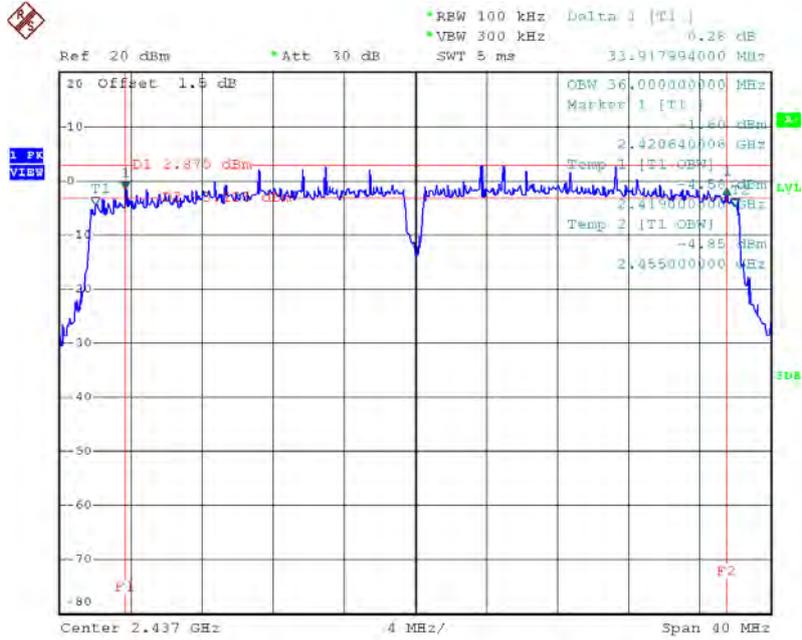
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	34.52	35.92	500	Complies
2437	33.92	36.00	500	Complies
2452	34.76	36.00	500	Complies

TX CH03



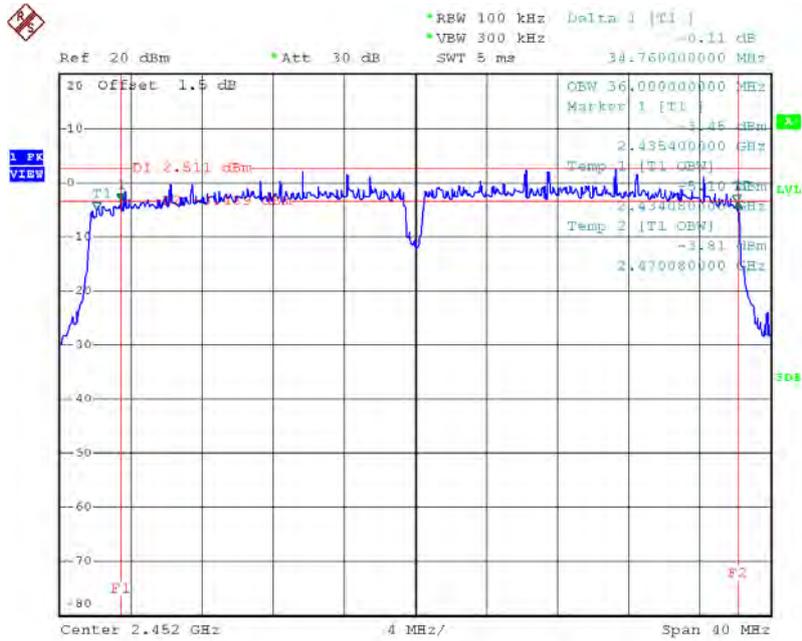
Date: 11.OCT.2016 10:14:38

TX CH06



Date: 11.OCT.2016 10:18:29

TX CH09



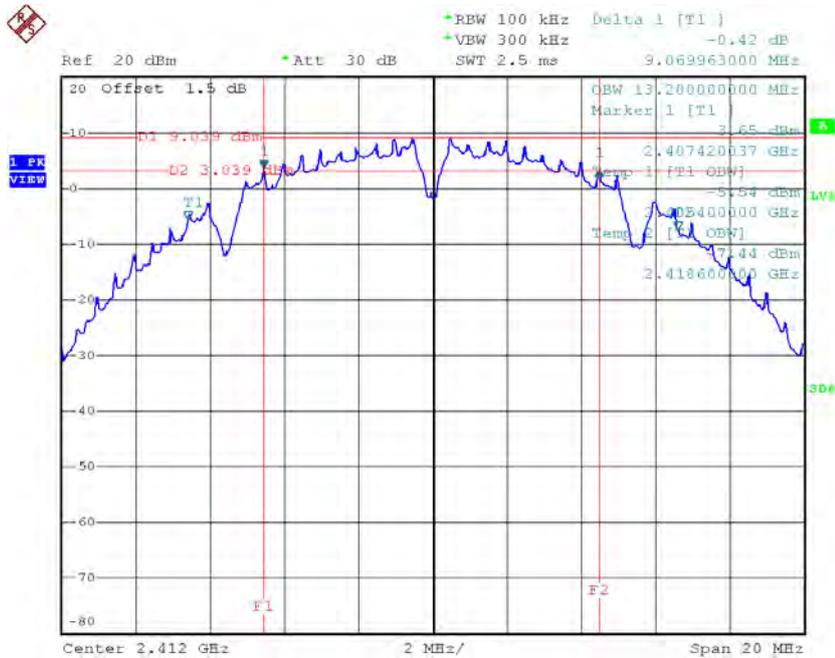
Date: 11.OCT.2016 10:19:37

For 2TX Non-Beamforming

Test Mode : TX B Mode_CH01/06/11

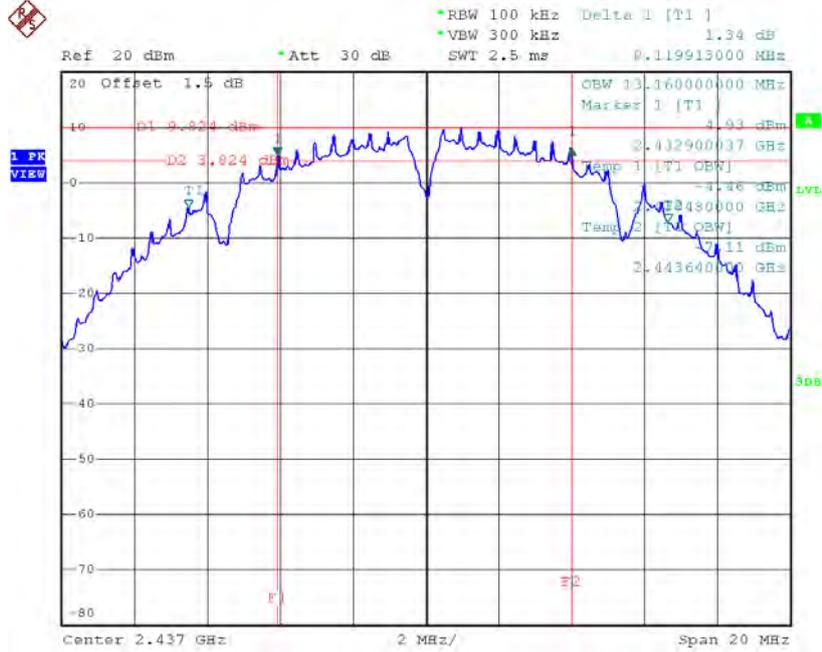
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.07	13.20	500	Complies
2437	8.12	13.16	500	Complies
2462	8.60	13.16	500	Complies

TX CH01



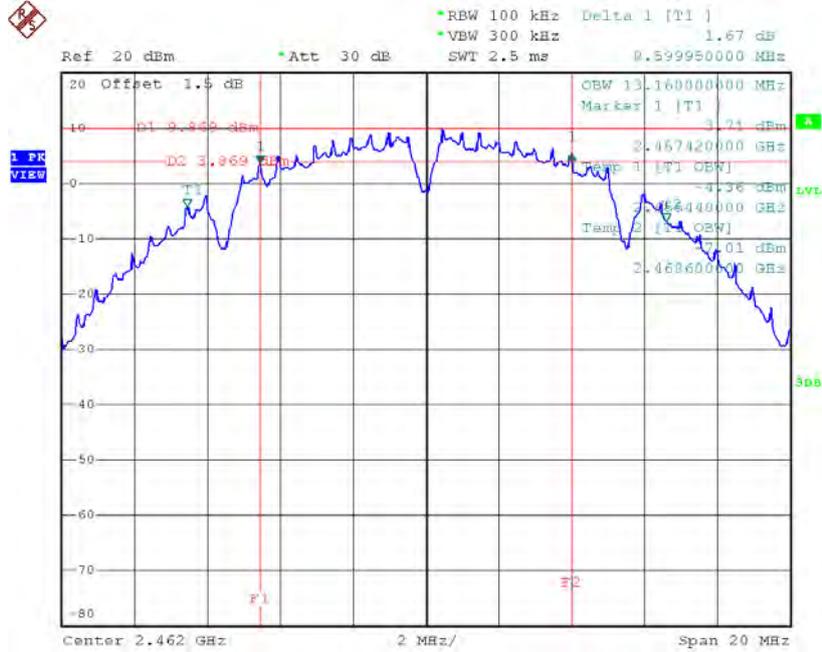
Date: 11.OCT.2016 10:22:39

TX CH06



Date: 11.OCT.2016 10:24:12

TX CH11

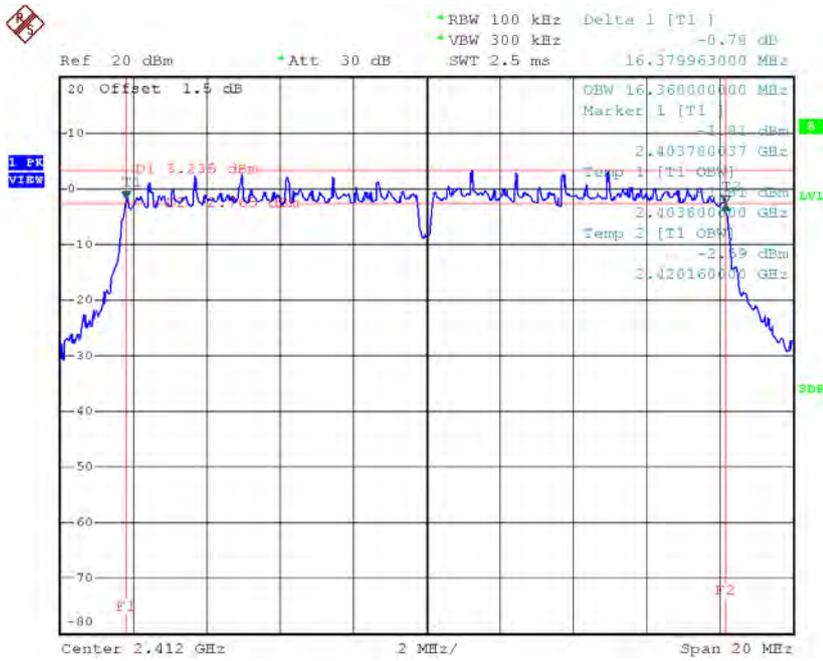


Date: 11.OCT.2016 10:25:33

Test Mode: TX G Mode_CH01/06/11

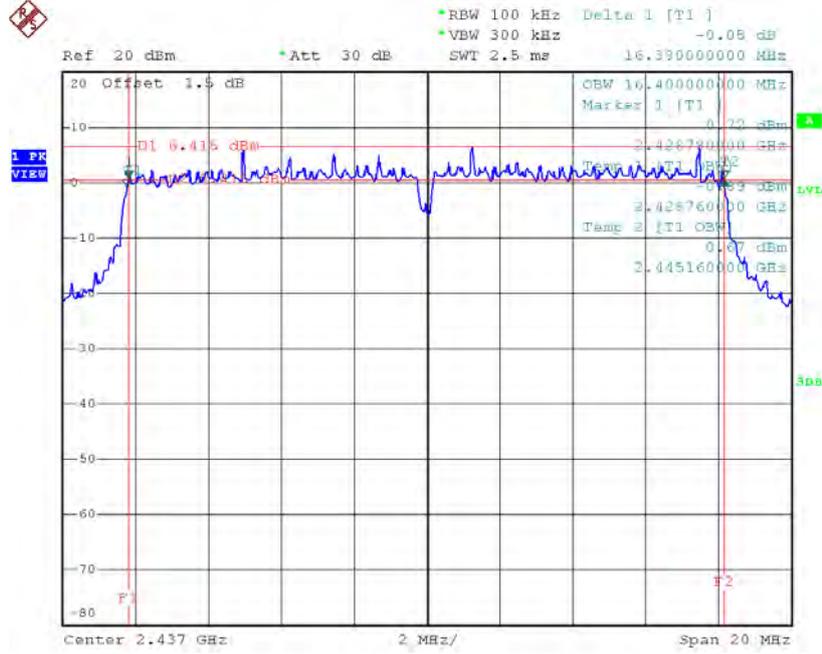
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.38	16.36	500	Complies
2437	16.38	16.40	500	Complies
2462	16.44	16.40	500	Complies

TX CH01



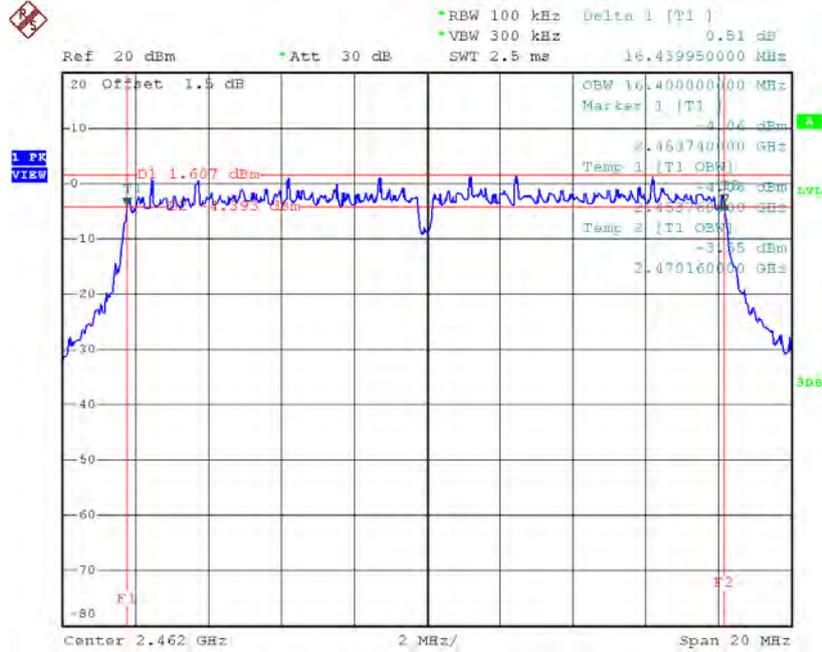
Date: 11.OCT.2016 10:28:13

TX CH06



Date: 11.OCT.2016 10:31:39

TX CH11

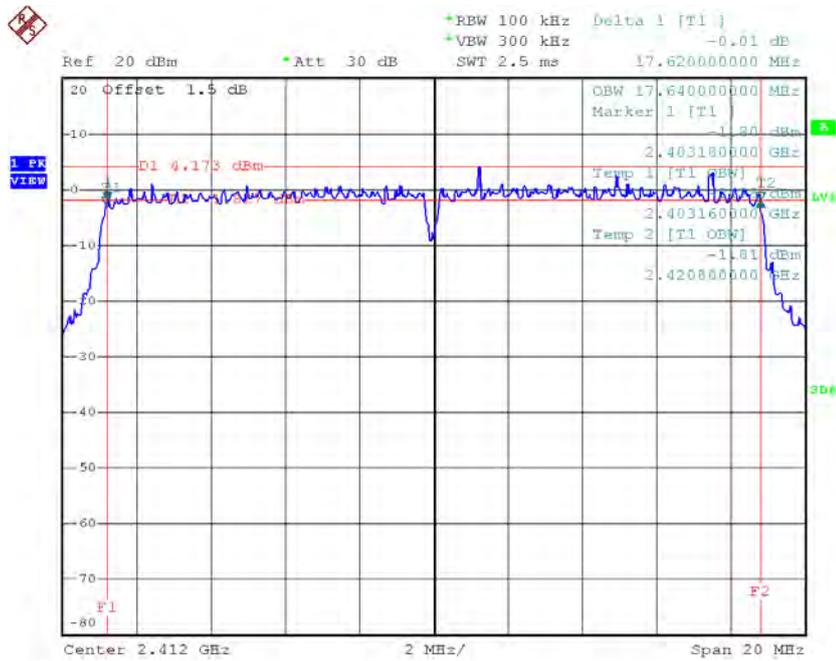


Date: 11.OCT.2016 10:32:51

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

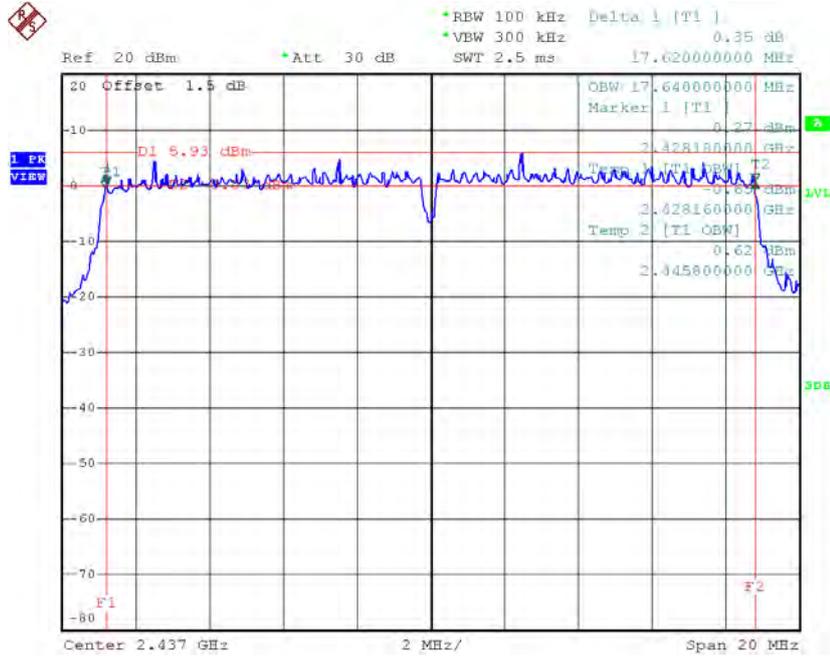
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.62	17.64	500	Complies
2437	17.62	17.64	500	Complies
2462	17.60	17.64	500	Complies

TX CH01



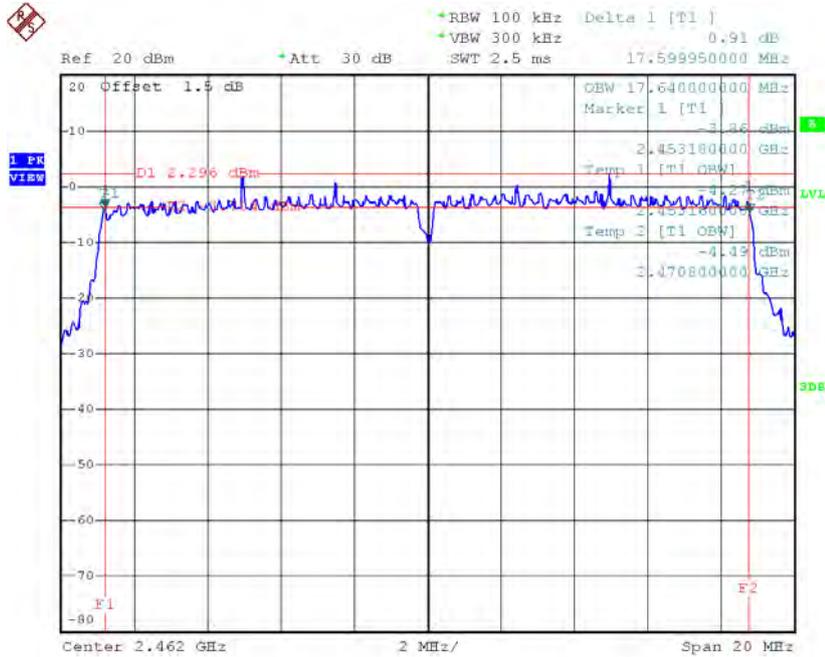
Date: 11.OCT.2016 10:34:11

TX CH06



Date: 11.OCT.2016 10:35:25

TX CH11

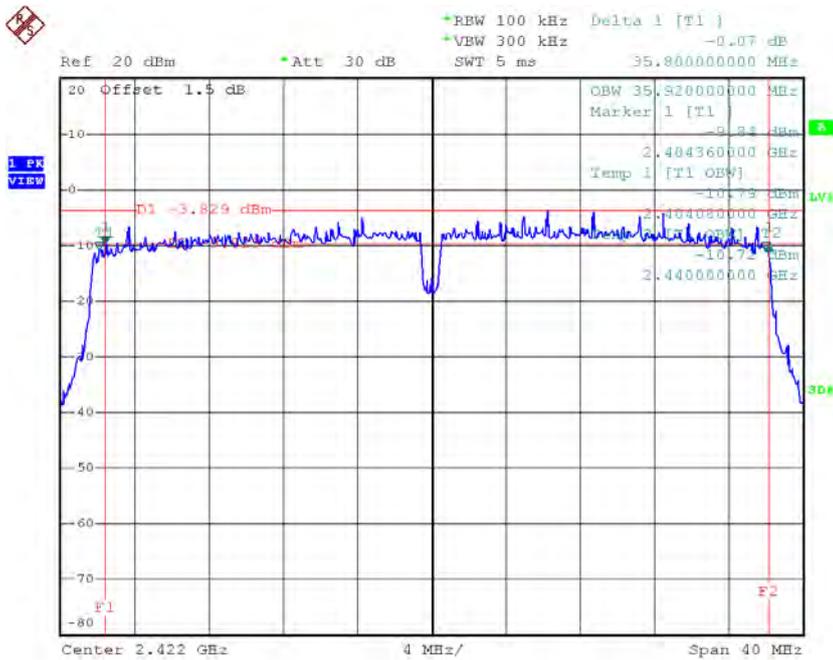


Date: 11.OCT.2016 10:36:34

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

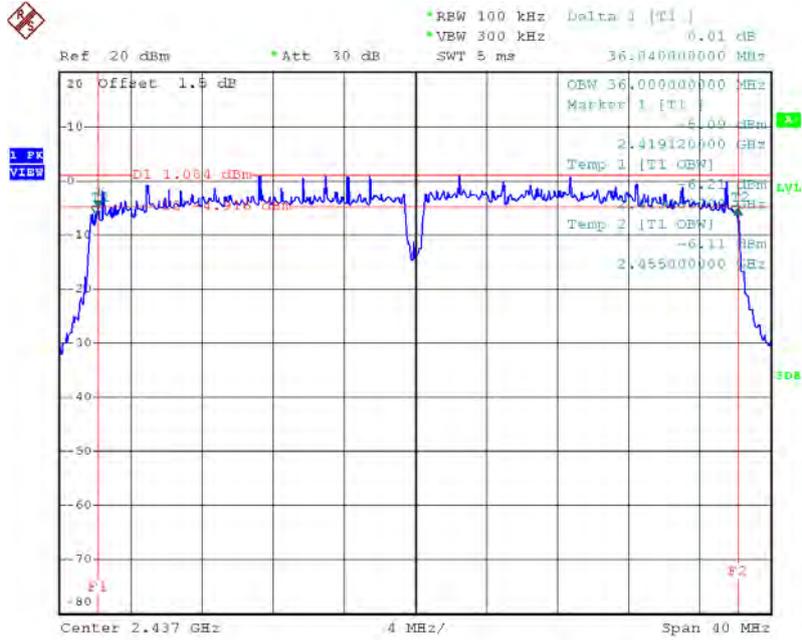
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.80	35.92	500	Complies
2437	36.04	36.00	500	Complies
2452	35.60	36.08	500	Complies

TX CH03



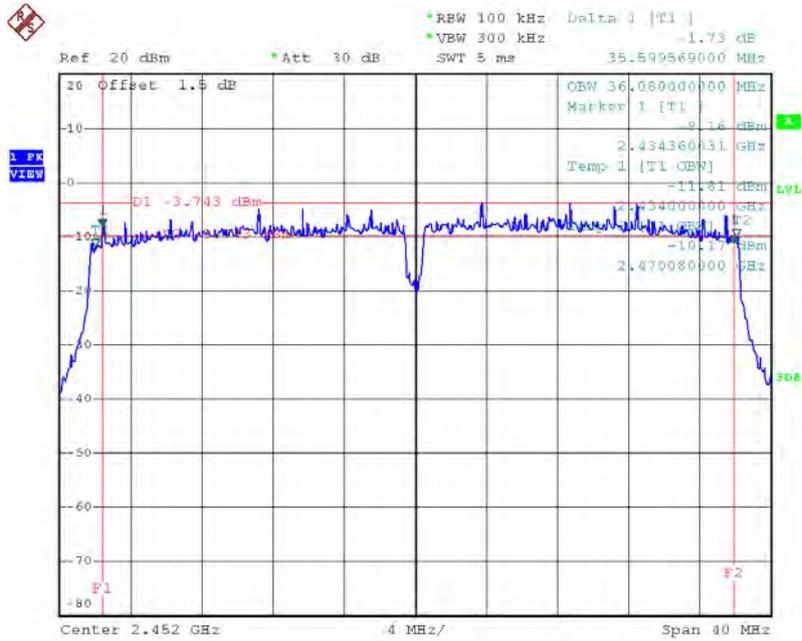
Date: 11.OCT.2016 10:38:03

TX CH06



Date: 11.OCT.2016 10:39:25

TX CH09



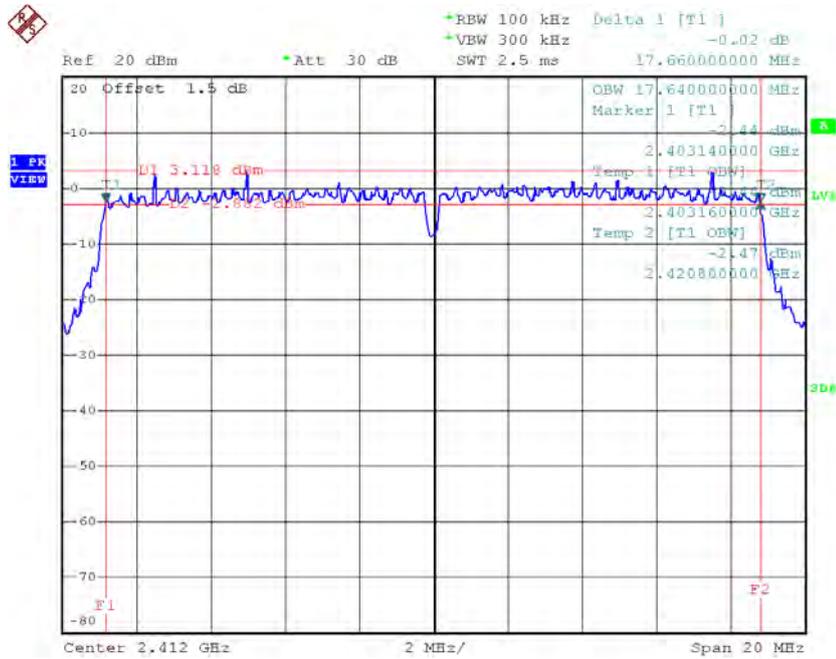
Date: 11.OCT.2016 10:40:46

For 2TX Beamforming

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

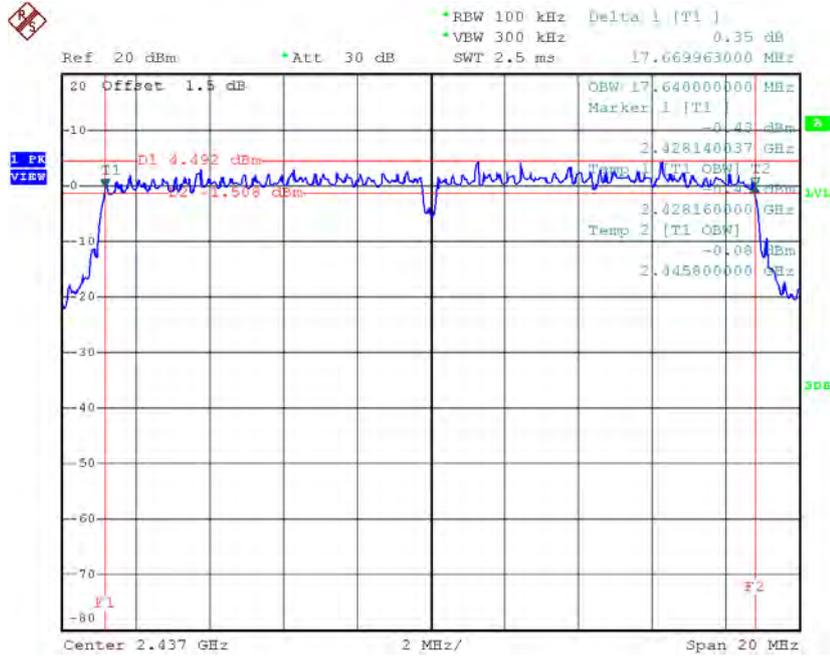
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.66	17.64	500	Complies
2437	17.67	17.64	500	Complies
2462	17.66	17.64	500	Complies

TX CH01



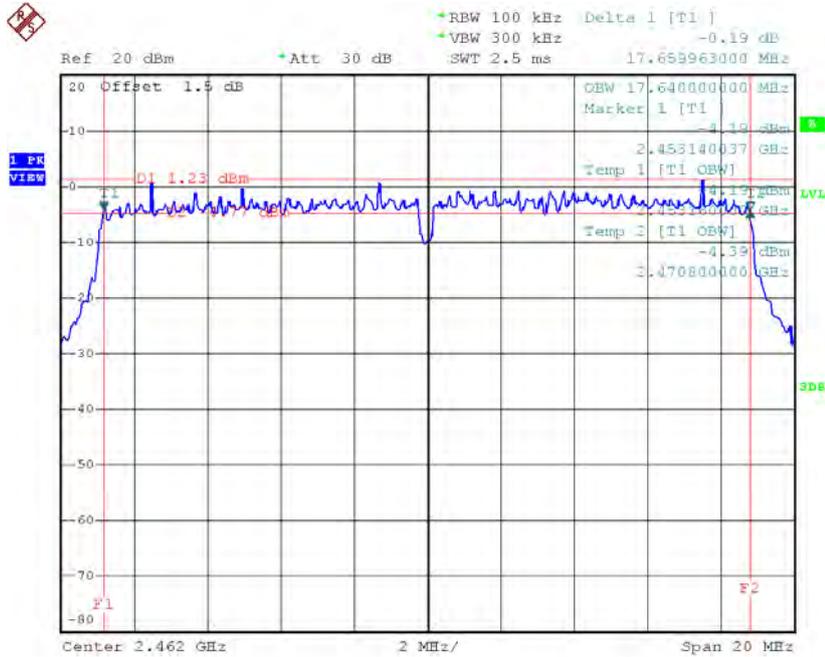
Date: 11.OCT.2016 11:31:34

TX CH06



Date: 11.OCT.2016 11:32:49

TX CH11

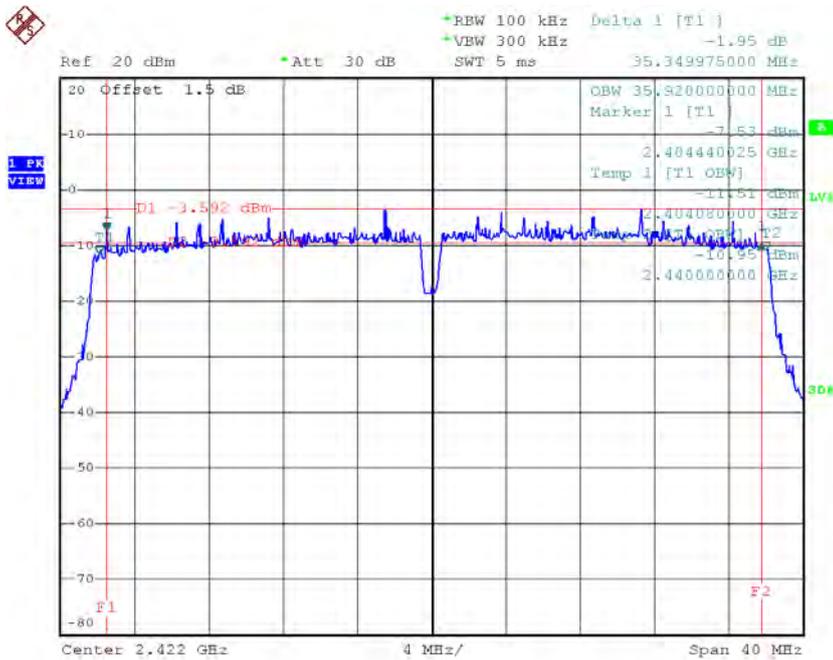


Date: 11.OCT.2016 11:33:57

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

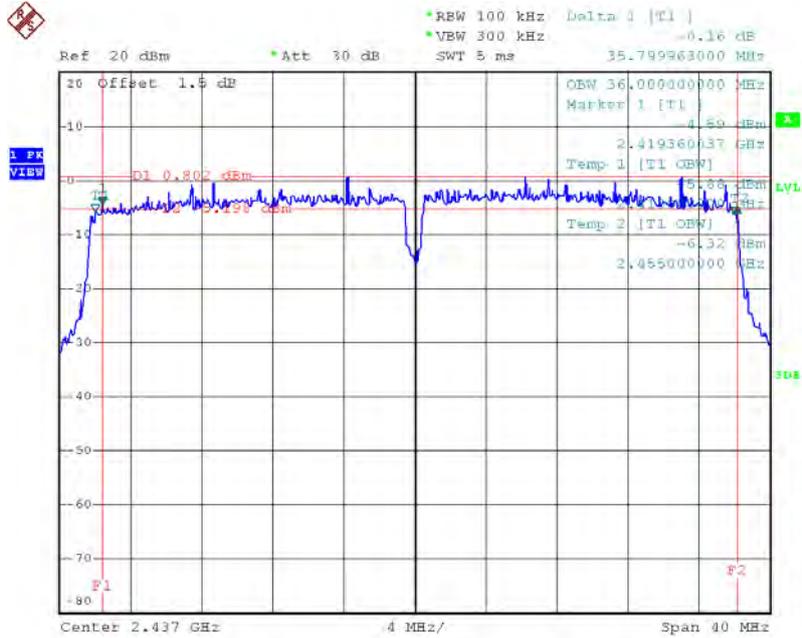
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.35	35.92	500	Complies
2437	35.80	36.00	500	Complies
2452	34.53	36.08	500	Complies

TX CH03



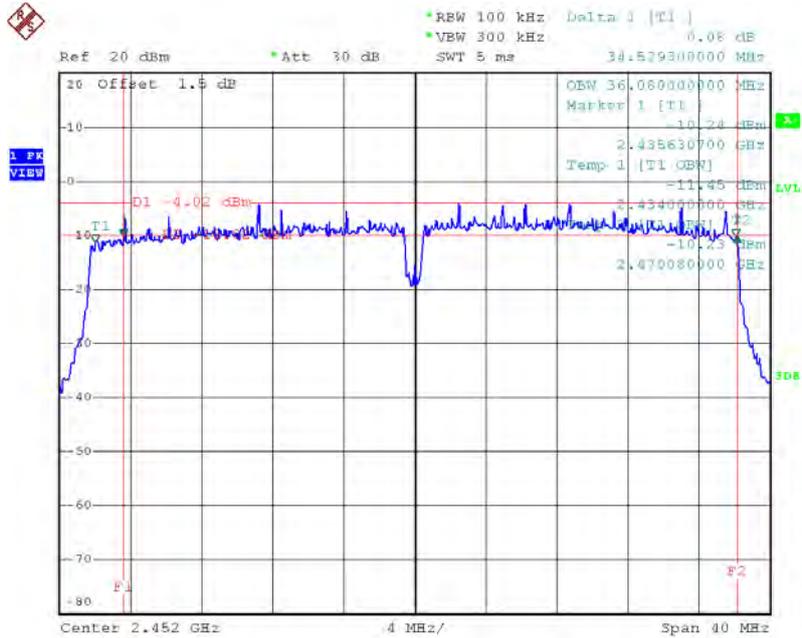
Date: 11.OCT.2016 11:35:23

TX CH06



Date: 11.OCT.2016 11:36:45

TX CH09



Date: 11.OCT.2016 11:37:56

ATTACHMENT F – MAXIMUM OUTPUT POWER

For 1TX Non-Beamforming

Test Mode :TX B Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.98	0.08	30.00	1.00	Complies
2437	19.25	0.08	30.00	1.00	Complies
2462	19.17	0.08	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	16.03	0.04	30.00	1.00	Complies
2437	18.16	0.07	30.00	1.00	Complies
2462	16.07	0.04	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	16.02	0.04	30.00	1.00	Complies
2437	18.19	0.07	30.00	1.00	Complies
2462	14.99	0.03	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	14.31	0.03	30.00	1.00	Complies
2437	17.28	0.05	30.00	1.00	Complies
2452	14.17	0.03	30.00	1.00	Complies

For 2TX Non-Beamforming

Test Mode :TX B Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.01	0.08	30.00	1.00	Complies
2437	19.32	0.09	30.00	1.00	Complies
2462	19.18	0.08	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	18.63	0.07	30.00	1.00	Complies
2437	18.76	0.08	30.00	1.00	Complies
2462	19.10	0.08	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	21.83	0.15	30.00	1.00	Complies
2437	22.06	0.16	30.00	1.00	Complies
2462	22.15	0.16	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	15.01	0.03	30.00	1.00	Complies
2437	18.06	0.06	30.00	1.00	Complies
2462	13.90	0.02	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	14.77	0.03	30.00	1.00	Complies
2437	17.68	0.06	30.00	1.00	Complies
2462	14.11	0.03	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	17.90	0.06	30.00	1.00	Complies
2437	20.88	0.12	30.00	1.00	Complies
2462	17.02	0.05	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	16.12	0.04	30.00	1.00	Complies
2437	18.11	0.06	30.00	1.00	Complies
2462	13.92	0.02	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	15.84	0.04	30.00	1.00	Complies
2437	17.74	0.06	30.00	1.00	Complies
2462	14.15	0.03	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	18.99	0.08	30.00	1.00	Complies
2437	20.94	0.12	30.00	1.00	Complies
2462	17.05	0.05	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	10.94	0.01	30.00	1.00	Complies
2437	16.02	0.04	30.00	1.00	Complies
2452	10.73	0.01	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	10.69	0.01	30.00	1.00	Complies
2437	15.81	0.04	30.00	1.00	Complies
2452	10.94	0.01	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	13.83	0.02	30.00	1.00	Complies
2437	18.93	0.08	30.00	1.00	Complies
2452	13.85	0.02	30.00	1.00	Complies

For 2TX Beamforming

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.01	0.04	30.00	1.00	Complies
2437	18.07	0.06	30.00	1.00	Complies
2462	13.87	0.02	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	15.35	0.03	30.00	1.00	Complies
2437	17.69	0.06	30.00	1.00	Complies
2462	14.08	0.03	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	18.70	0.07	30.00	1.00	Complies
2437	20.89	0.12	30.00	1.00	Complies
2462	16.99	0.05	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	10.81	0.01	30.00	1.00	Complies
2437	15.97	0.04	30.00	1.00	Complies
2452	10.66	0.01	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	10.52	0.01	30.00	1.00	Complies
2437	15.67	0.04	30.00	1.00	Complies
2452	10.82	0.01	30.00	1.00	Complies

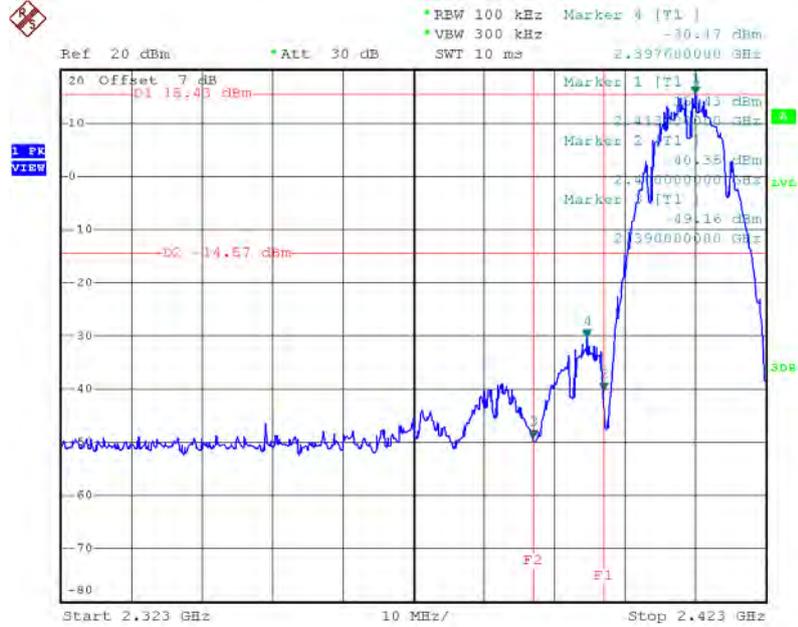
Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	13.68	0.02	30.00	1.00	Complies
2437	18.83	0.08	30.00	1.00	Complies
2452	13.75	0.02	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

For 1TX Non-Beamforming

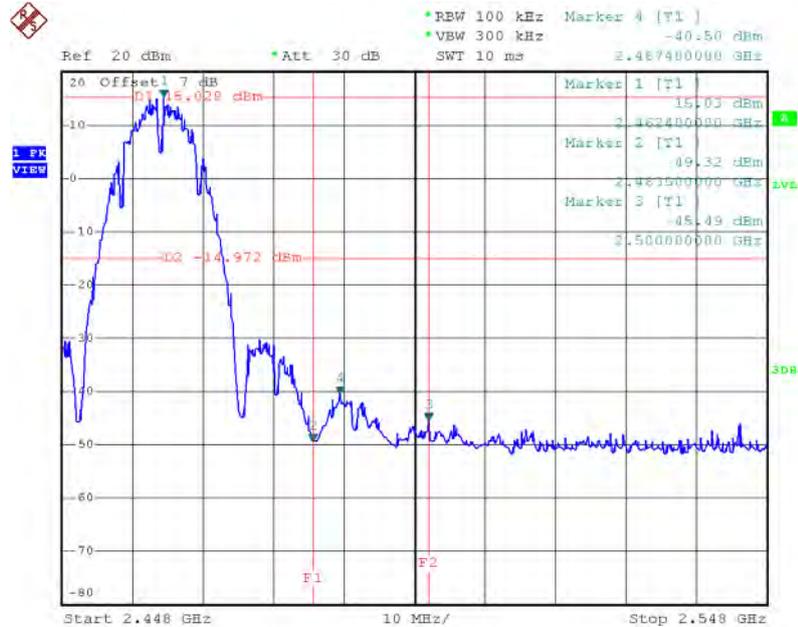
Test Mode : TX B Mode

TX B mode CH01



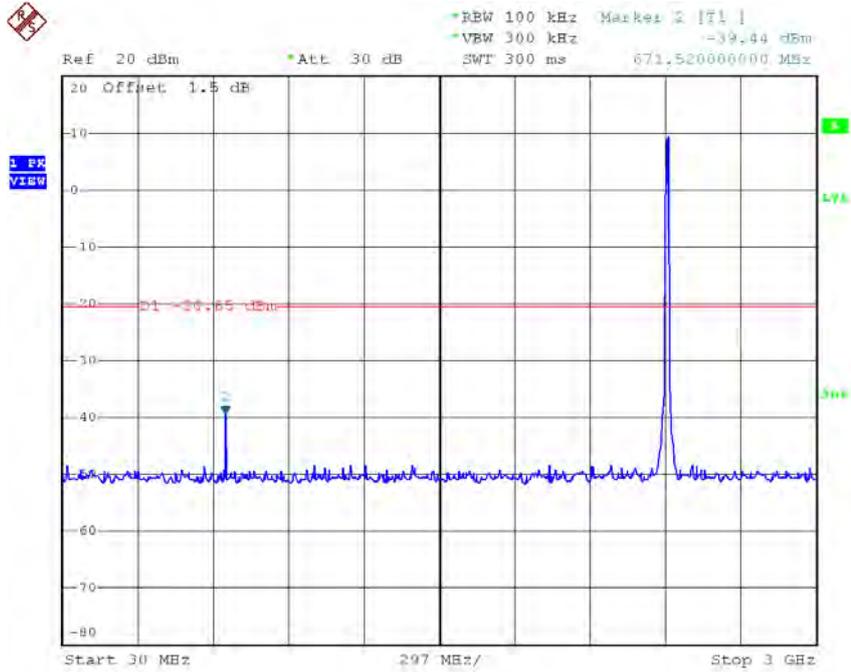
Date: 11.OCT.2016 09:56:57

TX B mode CH11

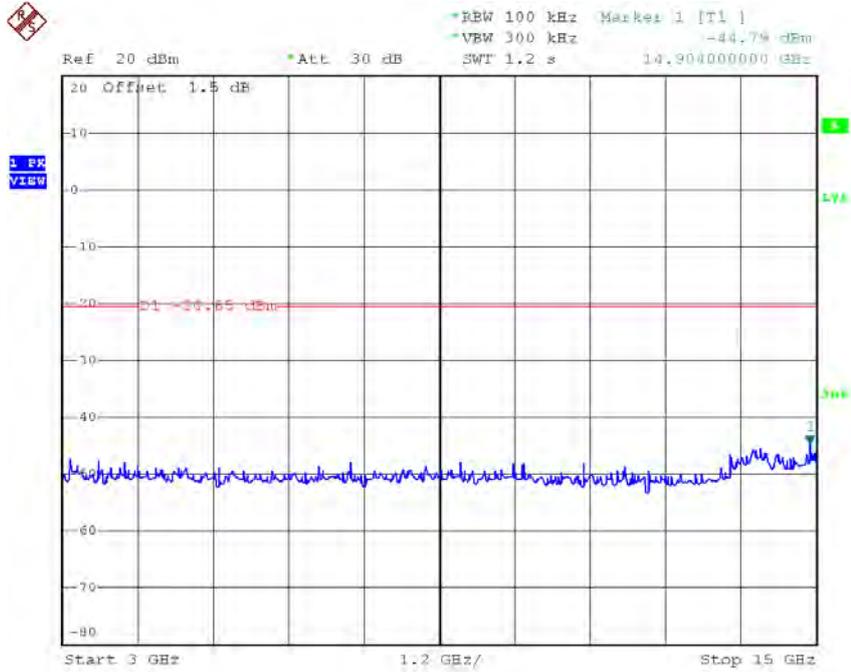


Date: 11.OCT.2016 10:00:33

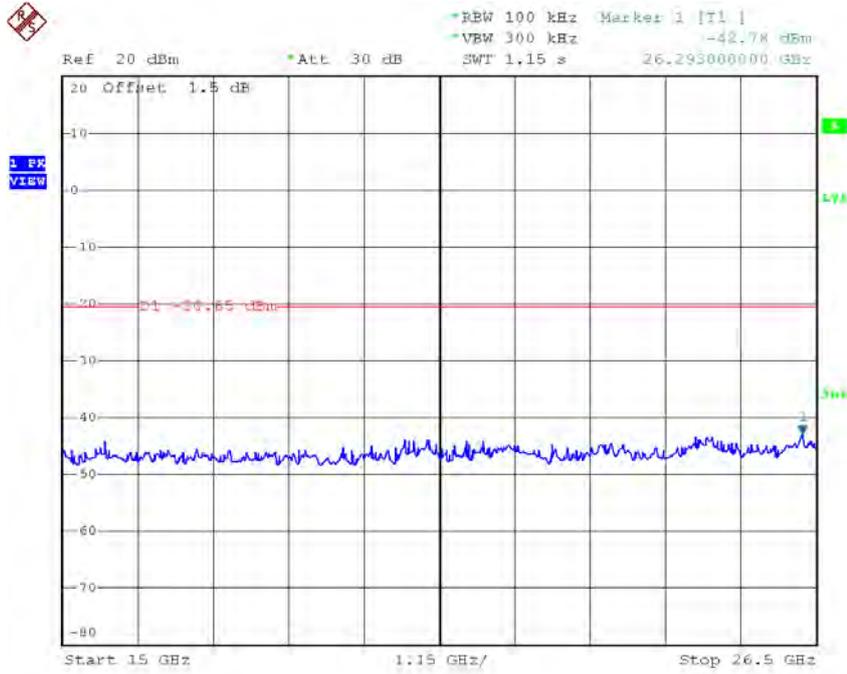
TX B mode CH01 (10 Harmonic of the frequency)



Date: 11.OCT.2016 09:56:32

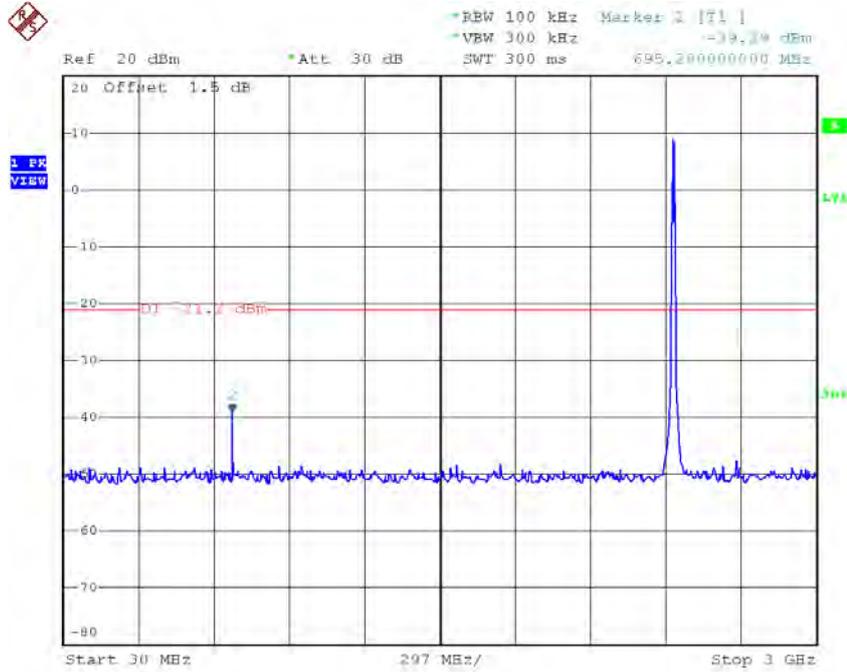


Date: 11.OCT.2016 09:56:41

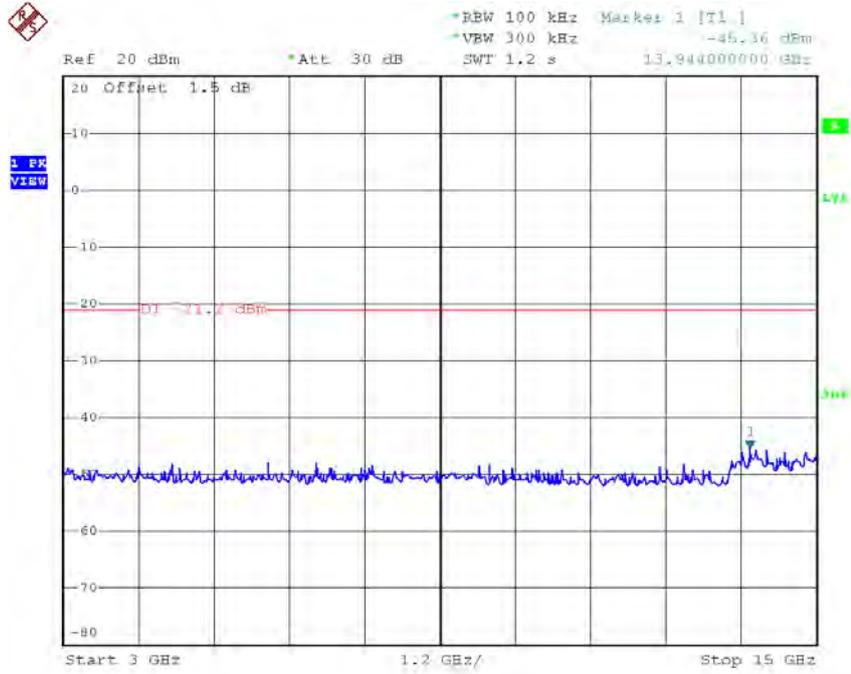


Date: 11.OCT.2016 09:56:49

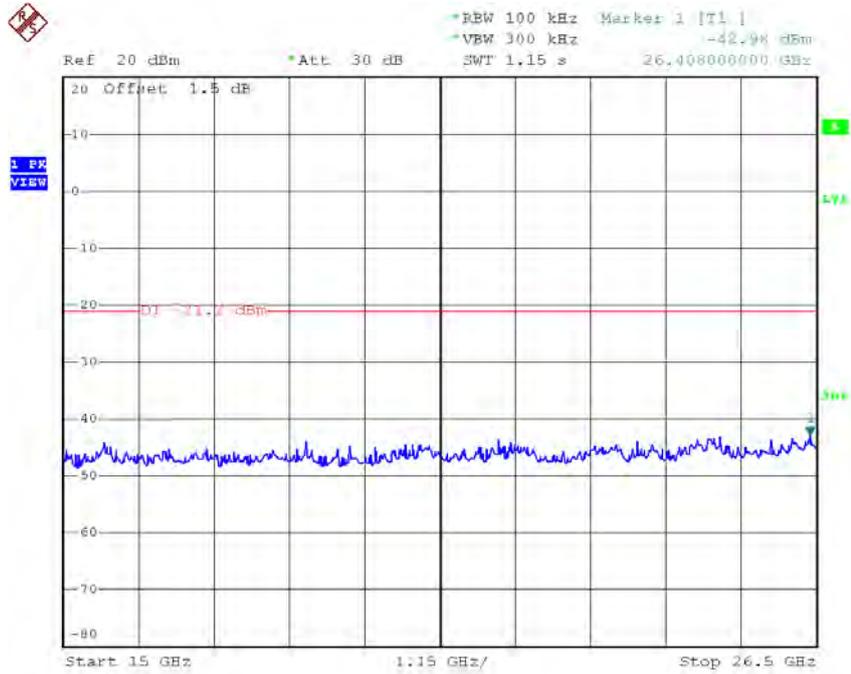
TX B mode CH06 (10 Harmonic of the frequency)



Date: 11.OCT.2016 09:58:43

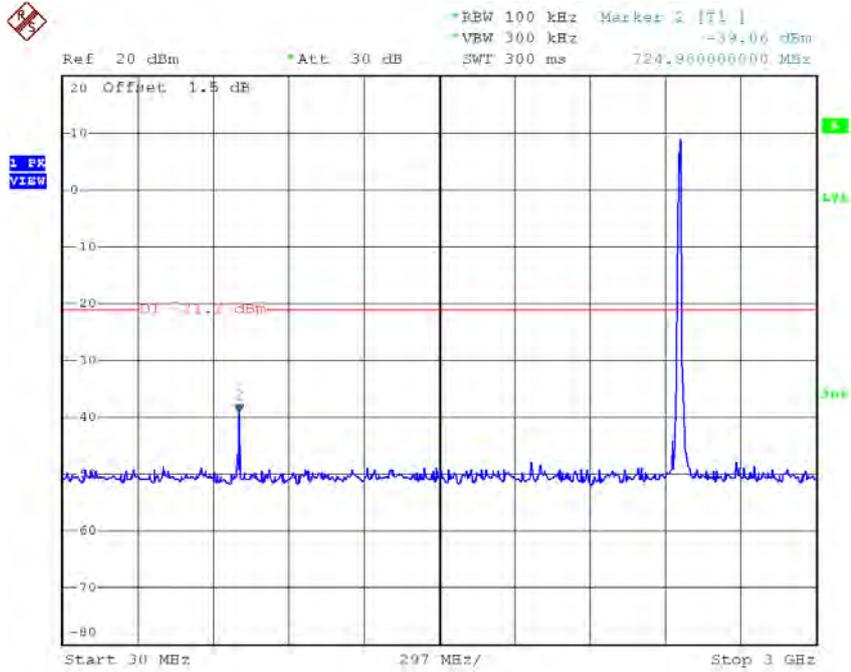


Date: 11.OCT.2016 09:58:51

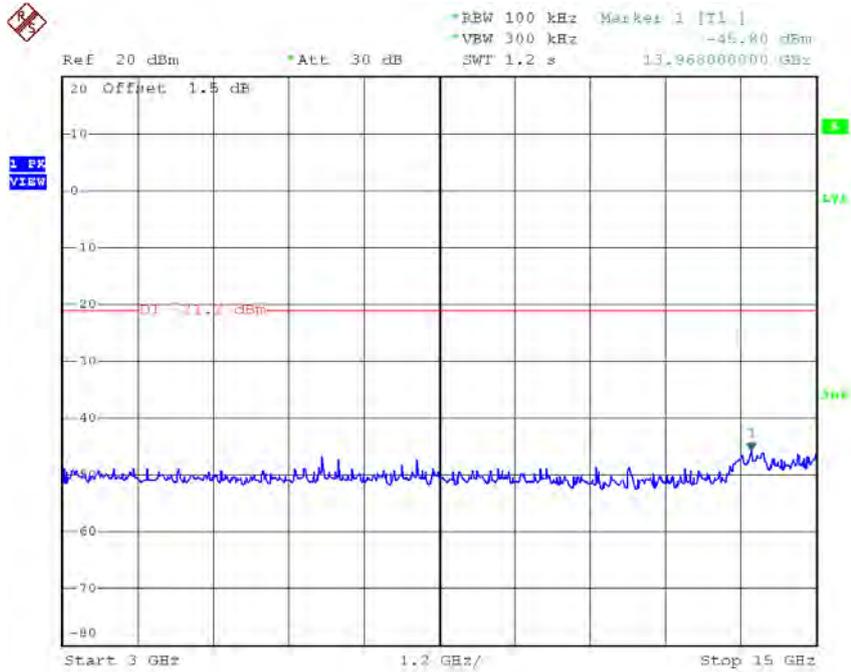


Date: 11.OCT.2016 09:58:59

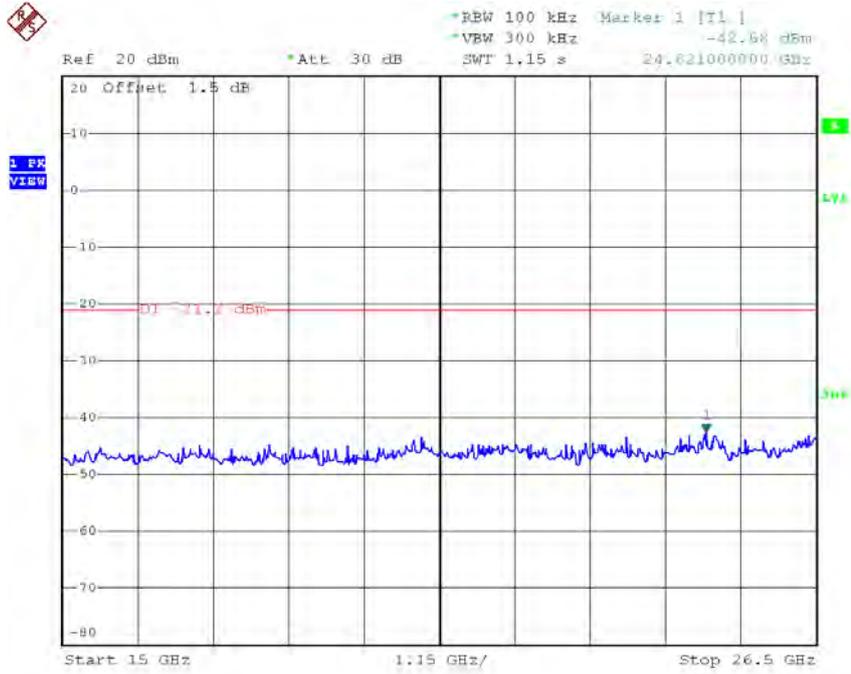
TX B mode CH11 (10 Harmonic of the frequency)



Date: 11.OCT.2016 10:00:09



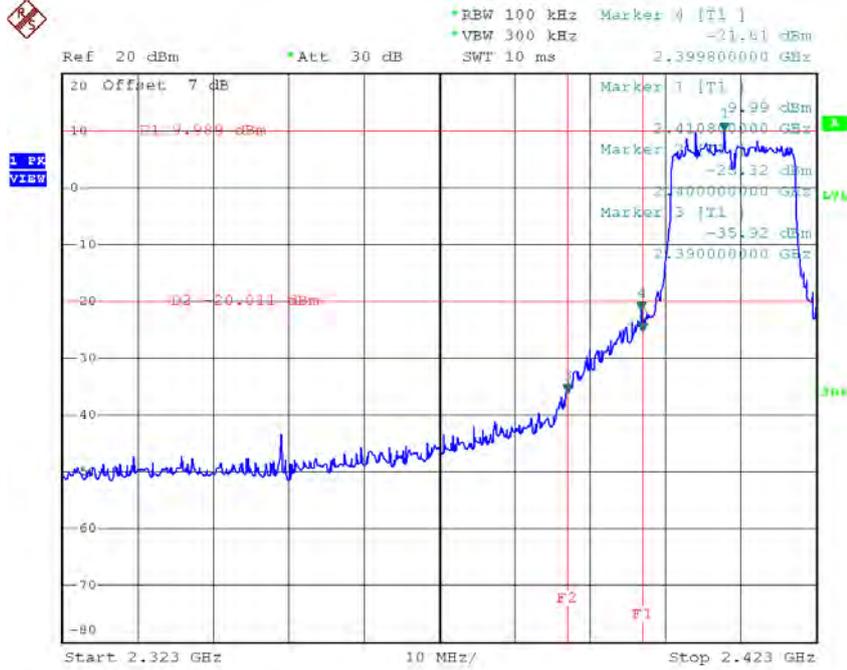
Date: 11.OCT.2016 10:00:17



Date: 11.OCT.2016 10:00:26

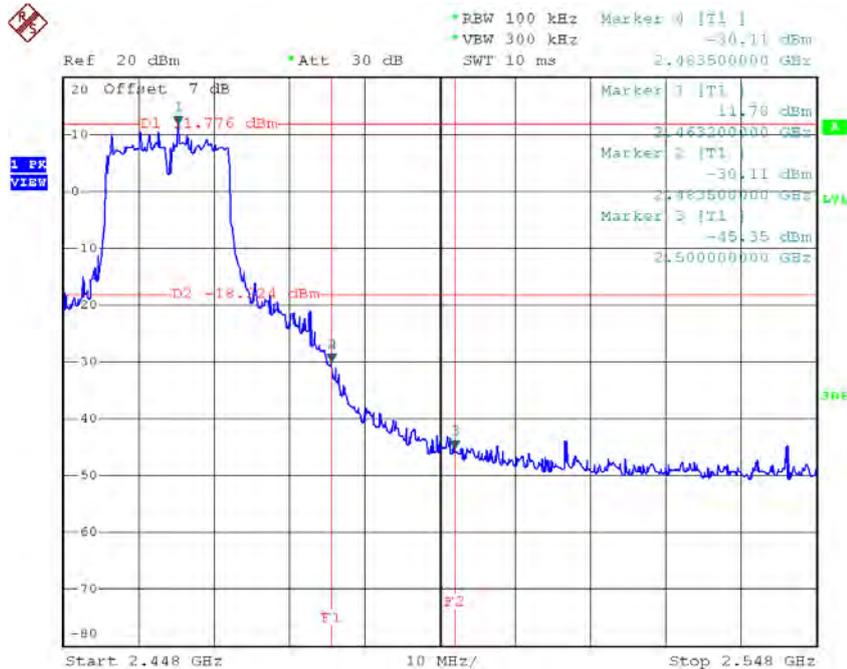
Test Mode : TX G Mode

TX G mode CH01



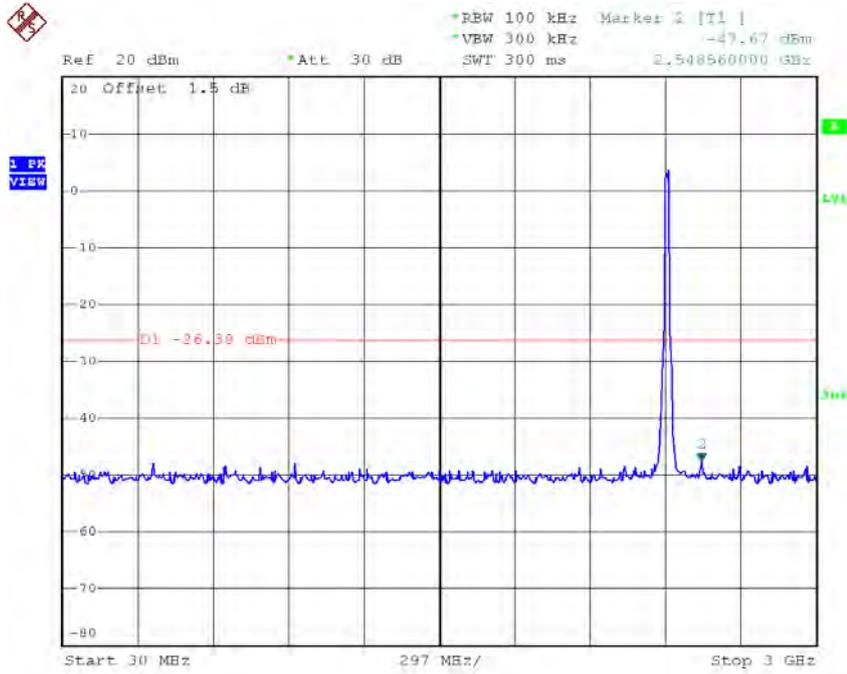
Date: 11.OCT.2016 10:05:38

TX G mode CH11

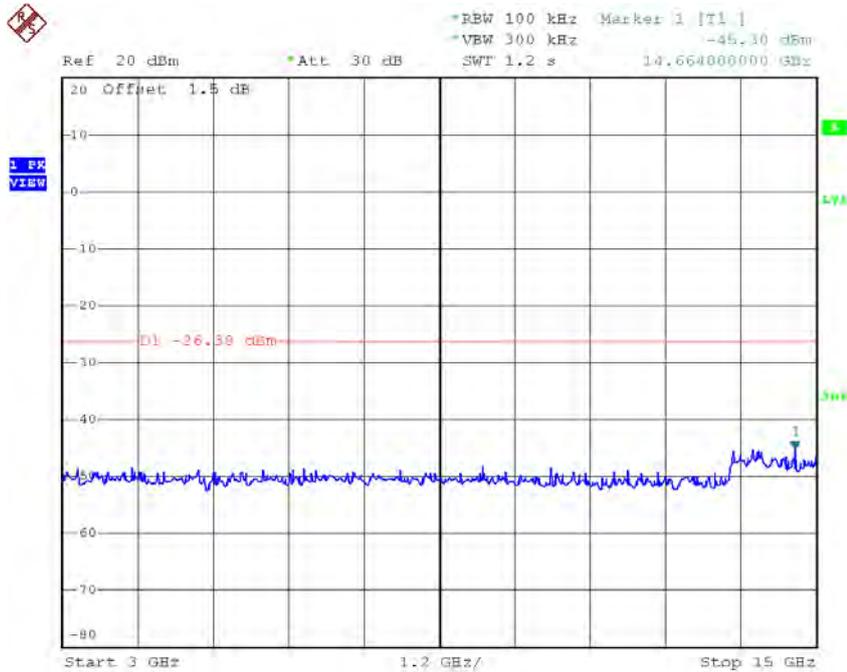


Date: 11.OCT.2016 10:09:06

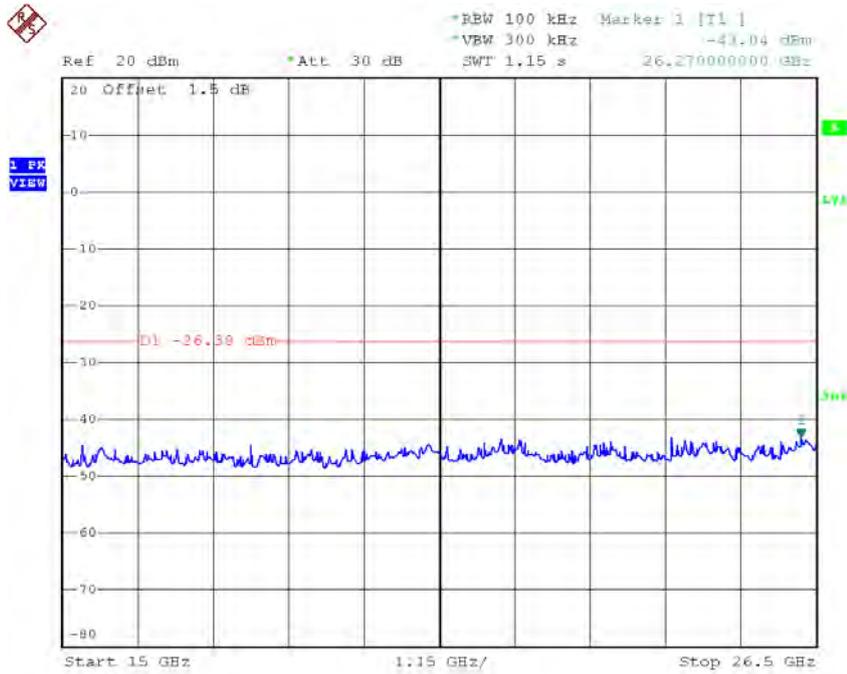
TX G mode CH01 (10 Harmonic of the frequency)



Date: 11.OCT.2016 10:01:38

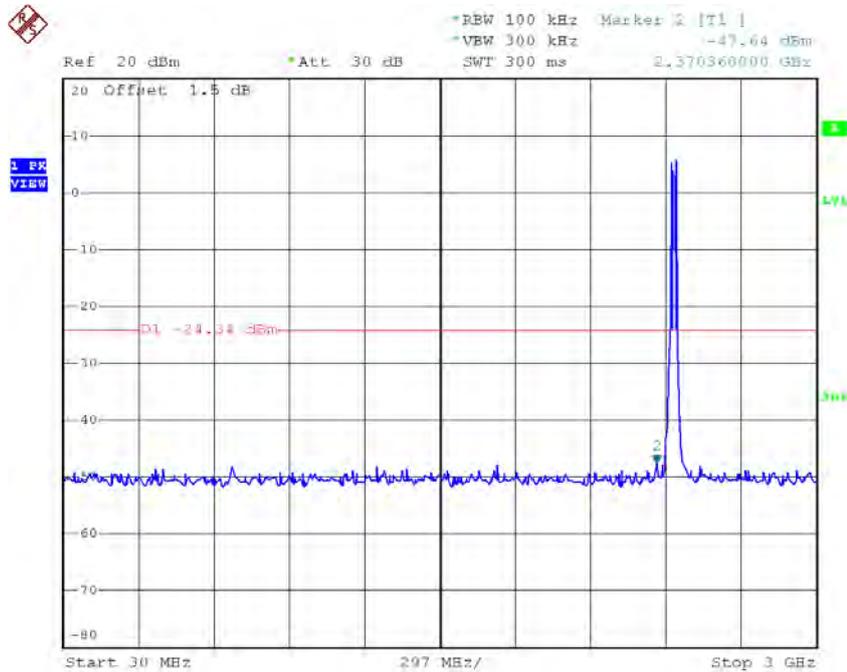


Date: 11.OCT.2016 10:01:47

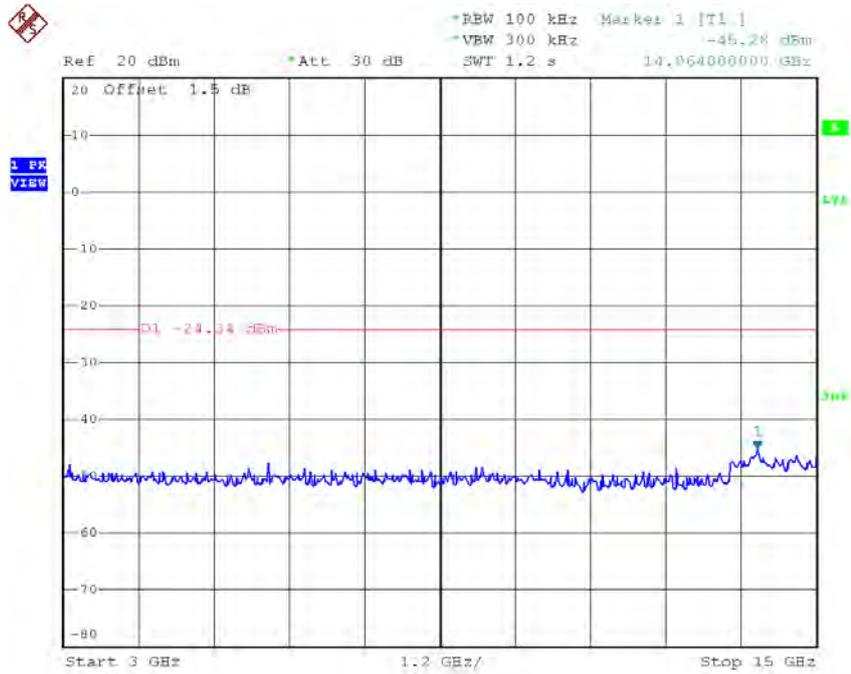


Date: 11.OCT.2016 10:01:55

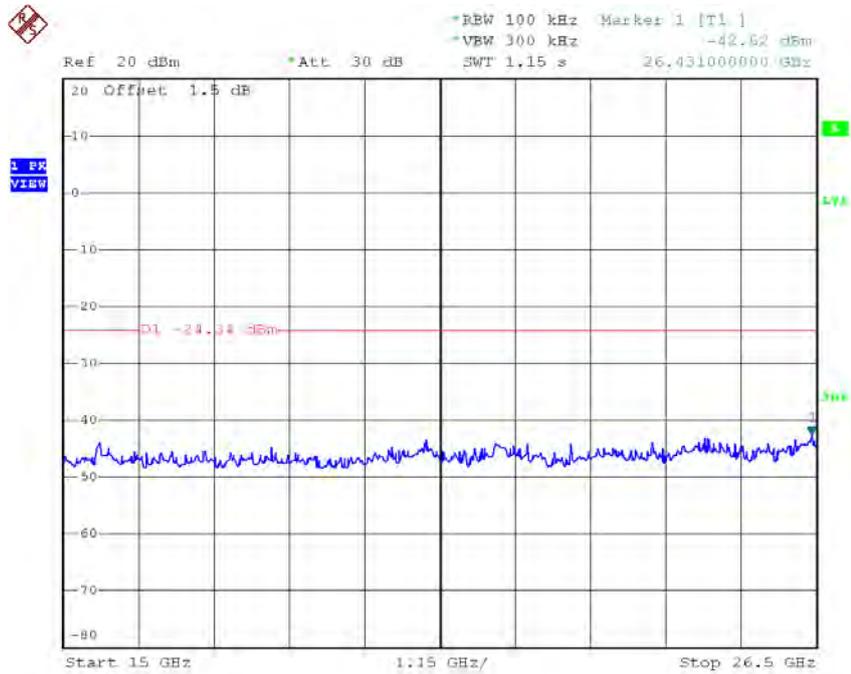
TX G mode CH06 (10 Harmonic of the frequency)



Date: 11.OCT.2016 10:06:36

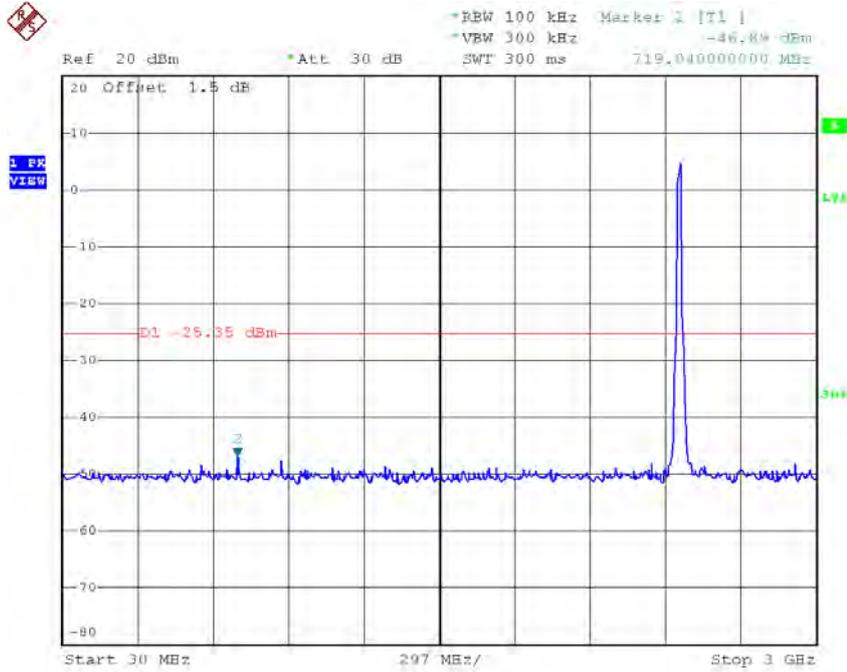


Date: 11.OCT.2016 10:06:44

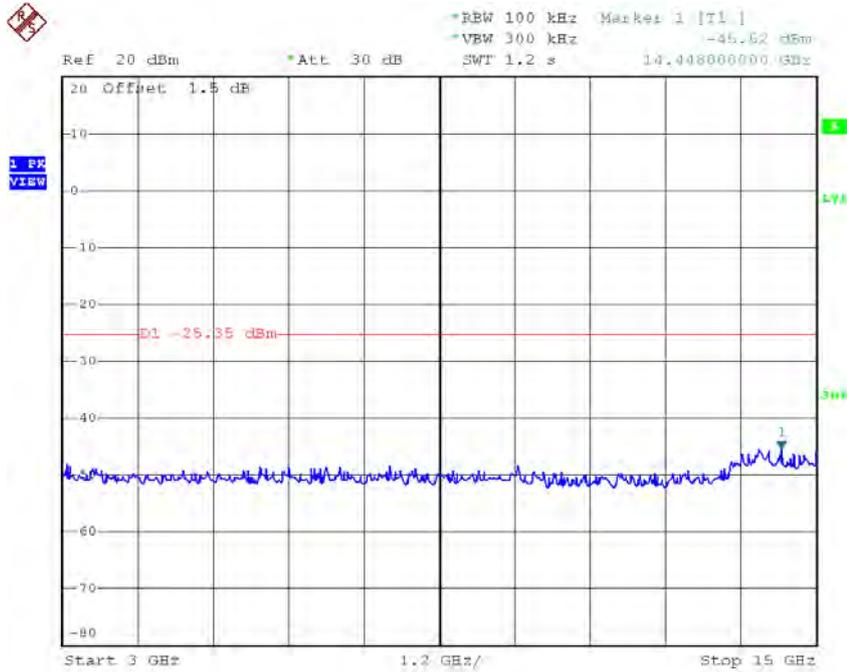


Date: 11.OCT.2016 10:06:52

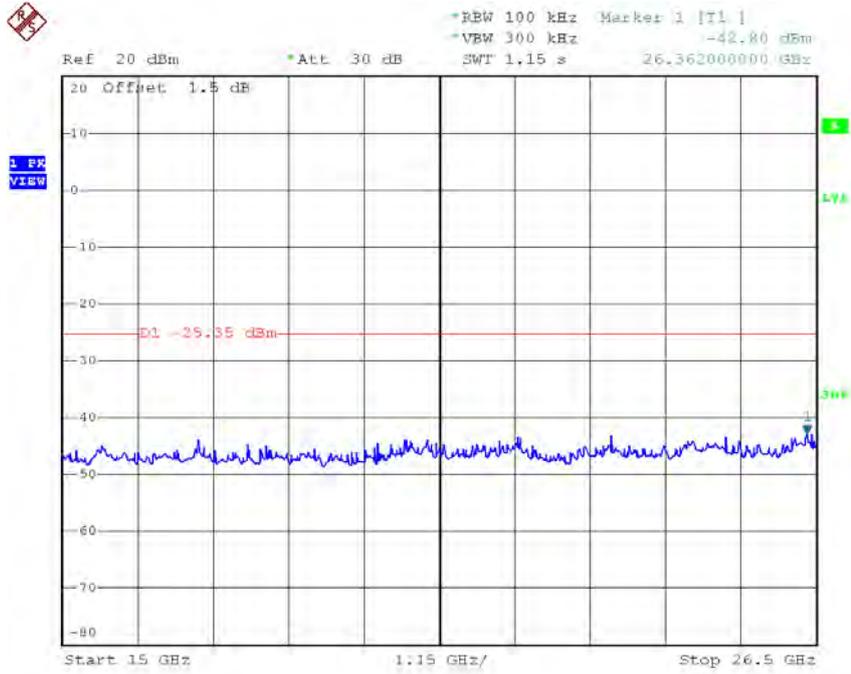
TX G mode CH11 (10 Harmonic of the frequency)



Date: 11.OCT.2016 10:08:41



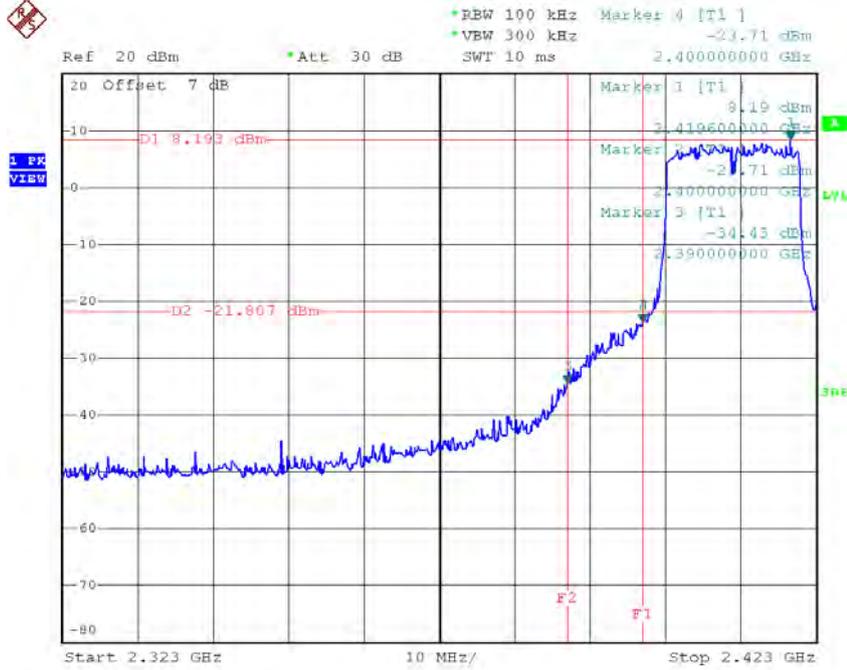
Date: 11.OCT.2016 10:08:50



Date: 11.OCT.2016 10:08:58

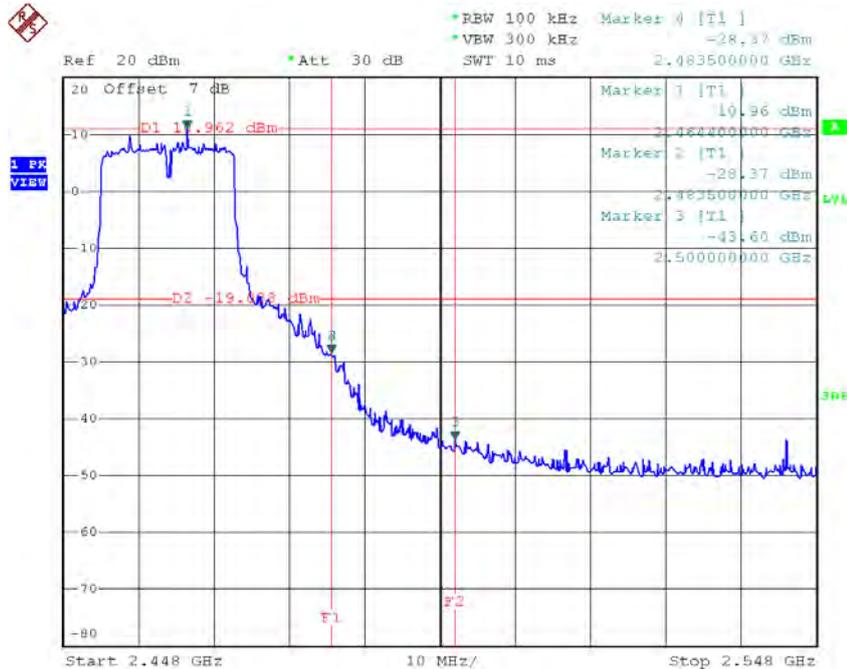
Test Mode : TX N-20M Mode

TX HT20 mode CH01



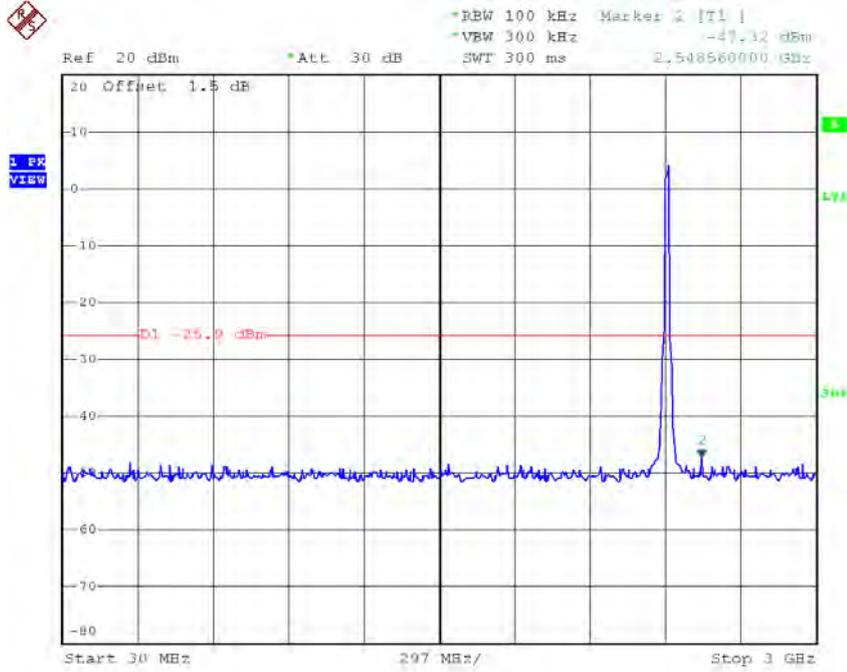
Date: 11.OCT.2016 10:11:13

TX HT20 mode CH11

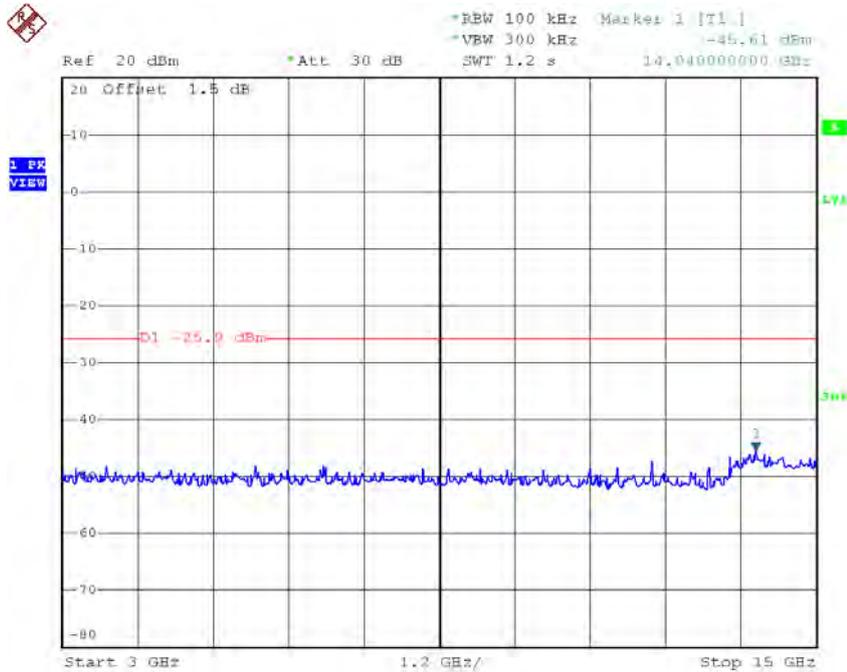


Date: 11.OCT.2016 10:13:44

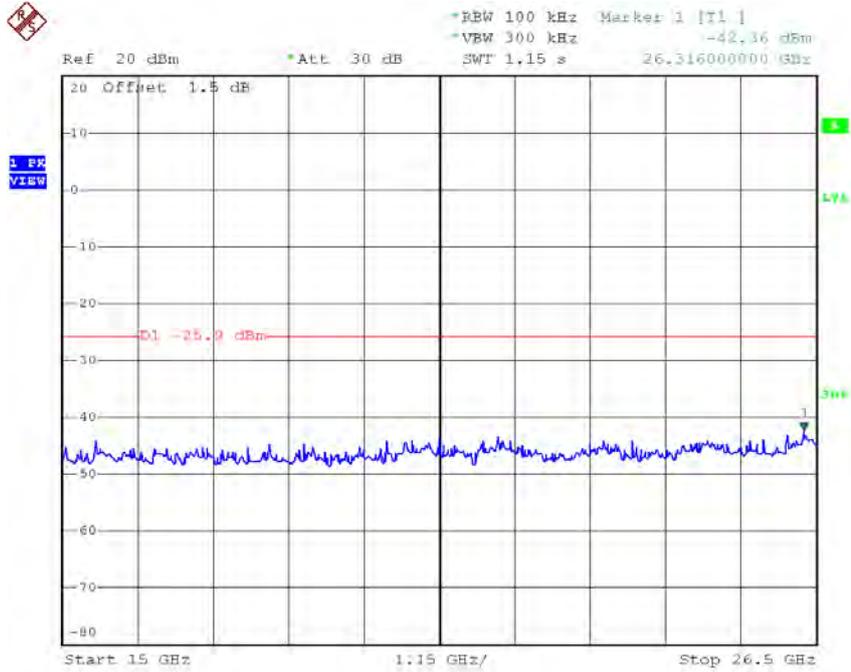
TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 11.OCT.2016 10:10:09

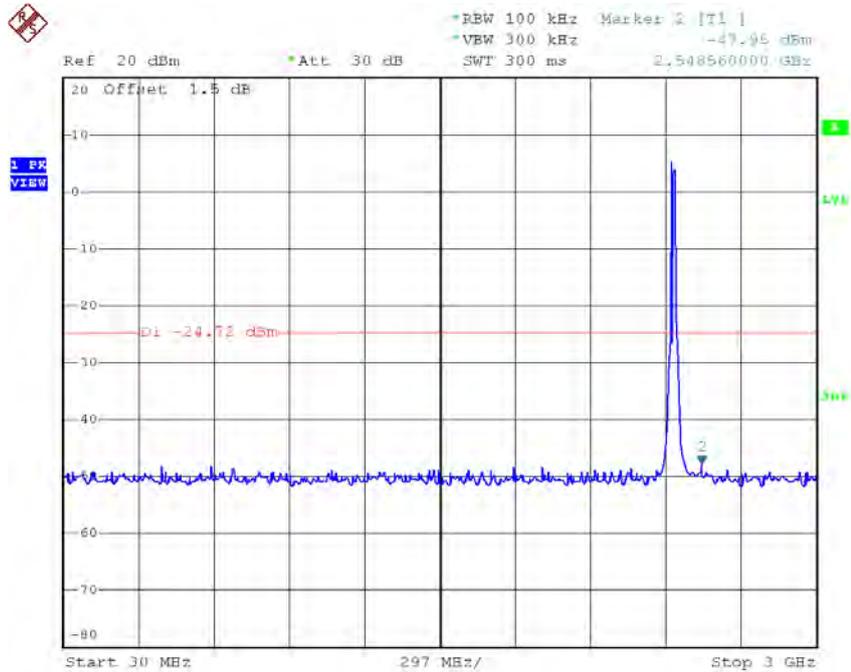


Date: 11.OCT.2016 10:10:17

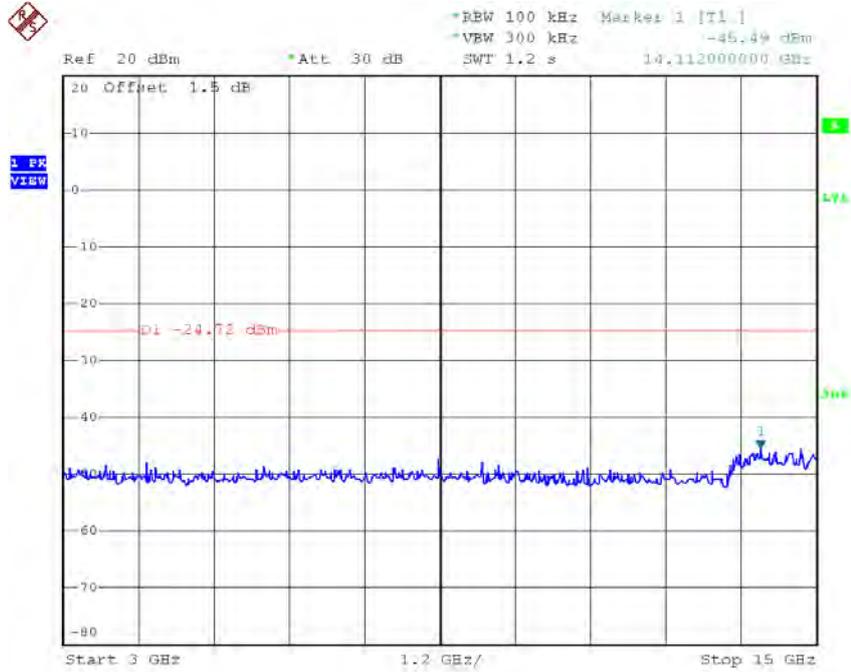


Date: 11.OCT.2016 10:10:25

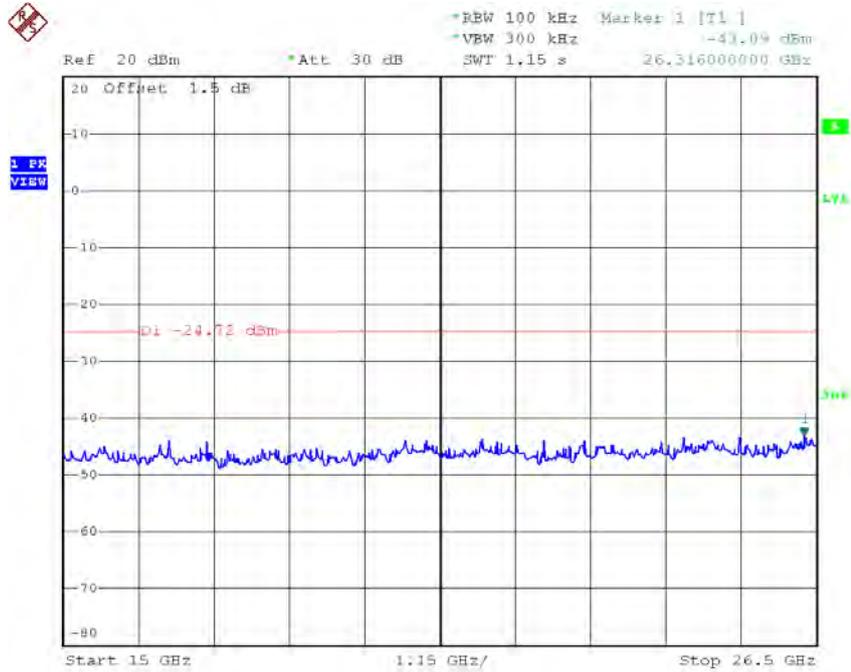
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 11.OCT.2016 10:12:14

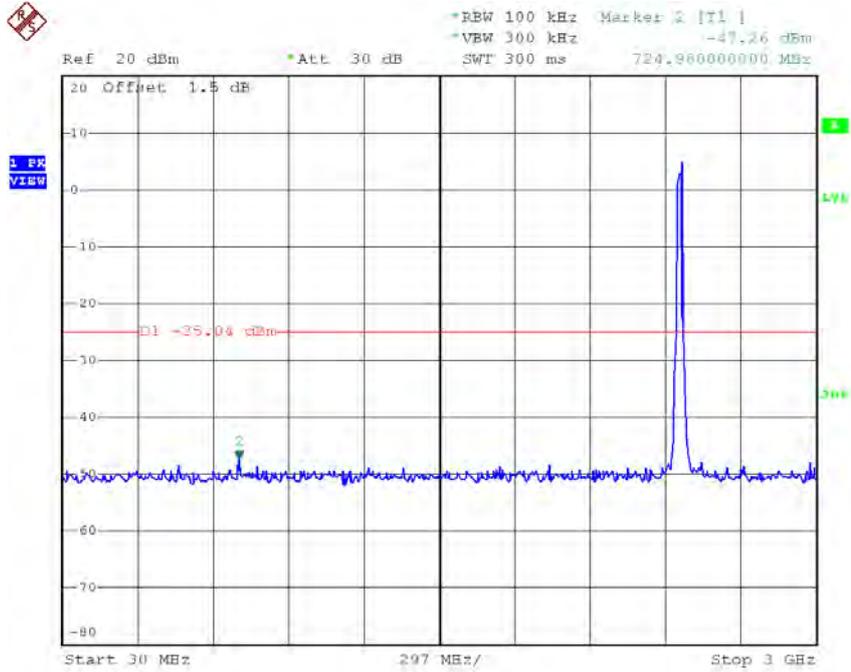


Date: 11,OCT,2016 10:12:23

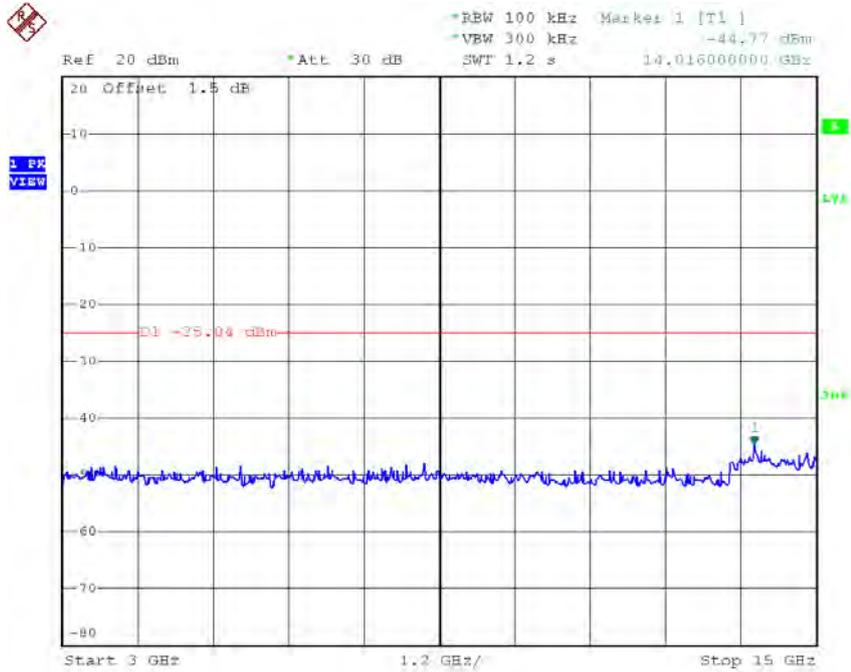


Date: 11,OCT,2016 10:12:31

TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 11.OCT.2016 10:13:19



Date: 11.OCT.2016 10:13:27