FCC Radio Test Report

FCC ID: OMOC84343

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

Project No.	:	1705C282
Equipment	:	WEATHER STATION
Model Name	:	C84343
Applicant	:	La Crosse Technology Ltd.
Address	:	2809 Losey Blvd. S. La Crosse Wisconsin 54601 United States

Date of Receipt	:	Jun. 01, 2017
Date of Test	:	Jun. 01, 2017 ~ Jun. 19, 2017
Issued Date	:	Jun. 20, 2017
Tested by	:	BTL Inc.

Testing Engineer : Shawn Xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

Authorized Signatory : Steven Lu
(Steven Lu)

BTL INC.

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Declaration

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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

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1705C282	Original Issue.	Jun. 20, 2017

1. CERTIFICATION

Equipment	:	WEATHER STATION
Brand Name	:	La Crosse Technology
Model Name	:	C84343
Applicant	:	La Crosse Technology Ltd.
Manufacturer	:	La Crosse Technology
Address	:	2809 Losey Blvd. S. La Crosse Wisconsin 54601 United States
Factory	:	La Crosse Technology
Address	:	2809 Losey Blvd. S. La Crosse Wisconsin 54601 United States
Date of Test	:	Jun. 01, 2017 ~ Jun. 19, 2017
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1705C282) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

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

The reported uncertainty of measurement y ± 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	WEATHER STATION	
Brand Name	La Crosse Technology	
Model Name	C84343	
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 150Mbps
	Output Power (Max.)	802.11b: 15.44dBm 802.11g: 24.46dBm 802.11n(20MHz): 24.93dBm
Power Source	DC voltage supplied from AC/DC adapter. Model: HX06-0500600-AU-001	
Power Rating	I/P: 100-240V~50/60Hz 0.3A Max O/P: 5.0V ⎓ 600mA	

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)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	0

3.2 DESCRIPTION OF TEST MODES

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

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

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

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

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

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

Note:

(1) The measurements are performed at the high, middle, low available channels.

(2) 802.11b mode: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (6.5Mbps)
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.

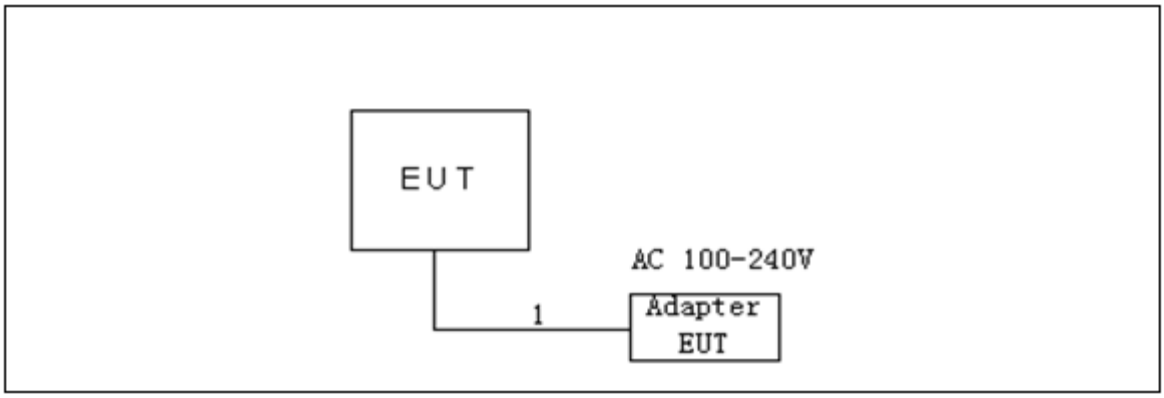
(4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

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	SecureCRT		
Frequency (MHz)	2412	2437	2462
802.11b	42	54	70
802.11g	32	24	48
802.11n (20MHz)	24	22	48

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.2m	DC Cable

Note:

(1) For detachable type I/O cable should be specified the length in m in『Length』column.

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

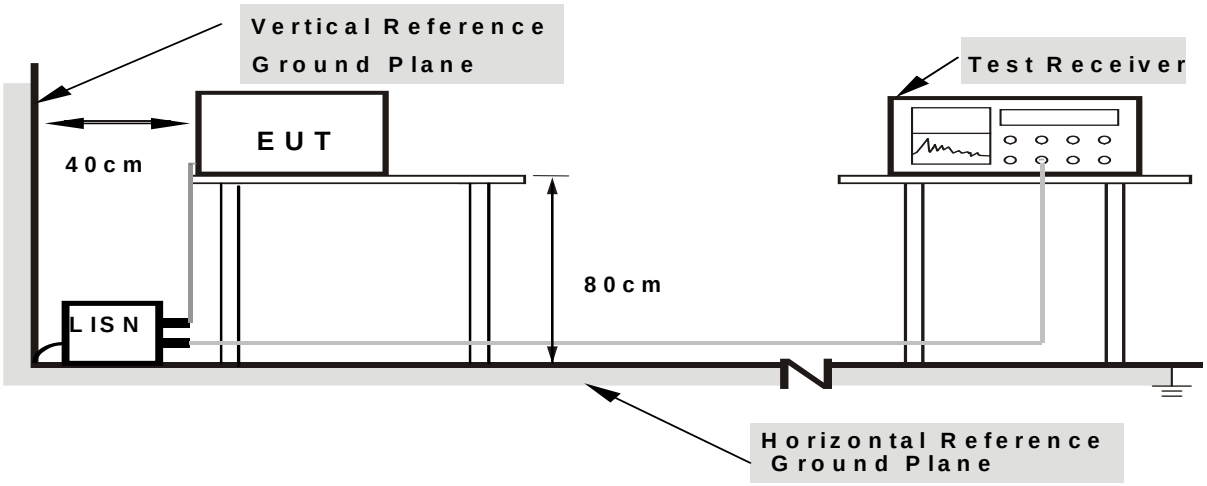
4.1.2 TEST PROCEDURE

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

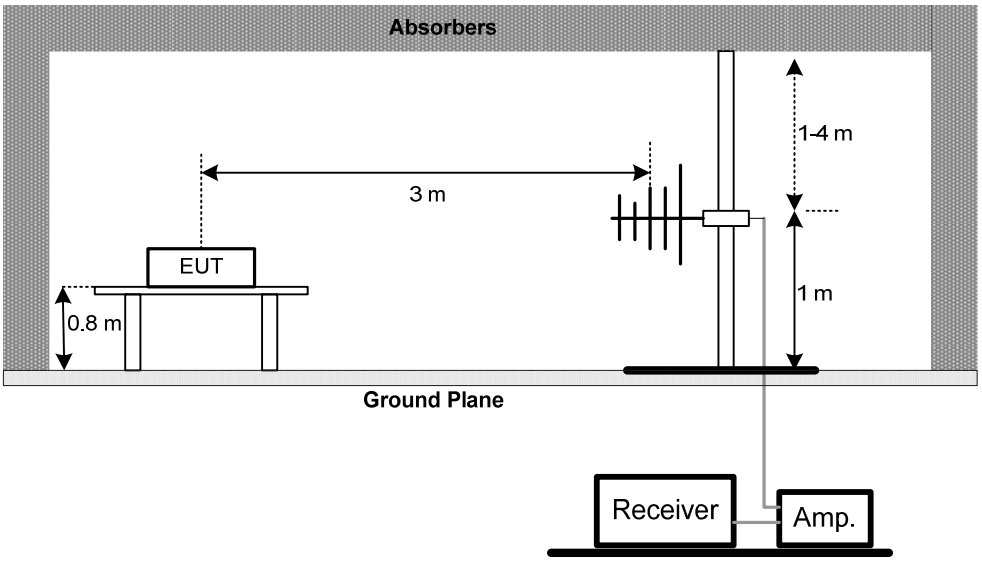
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance 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

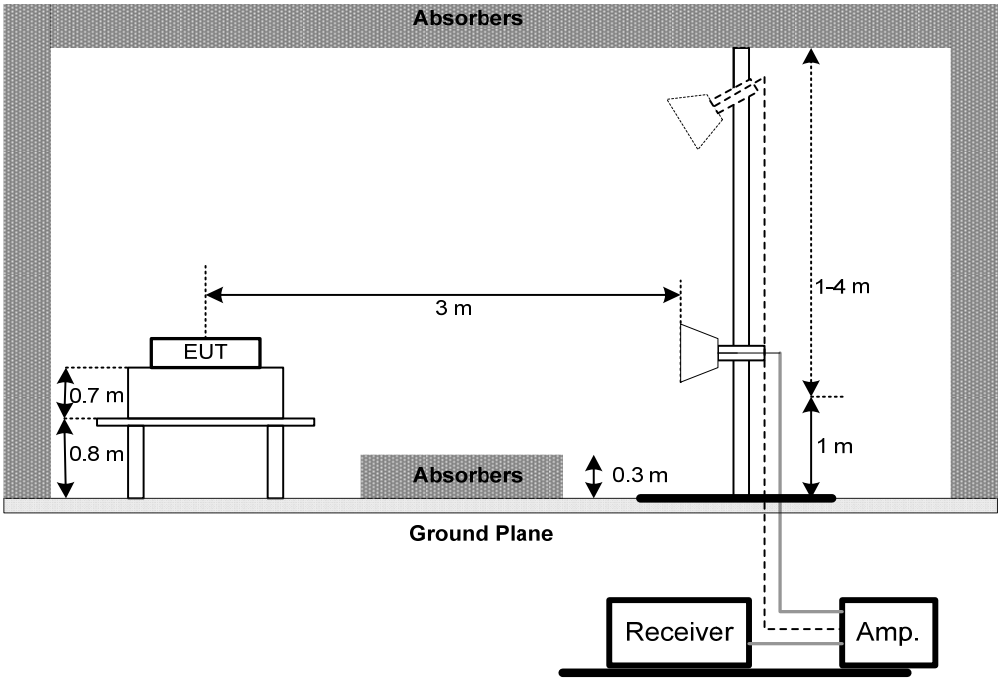
No deviation

4.2.4 TEST SETUP

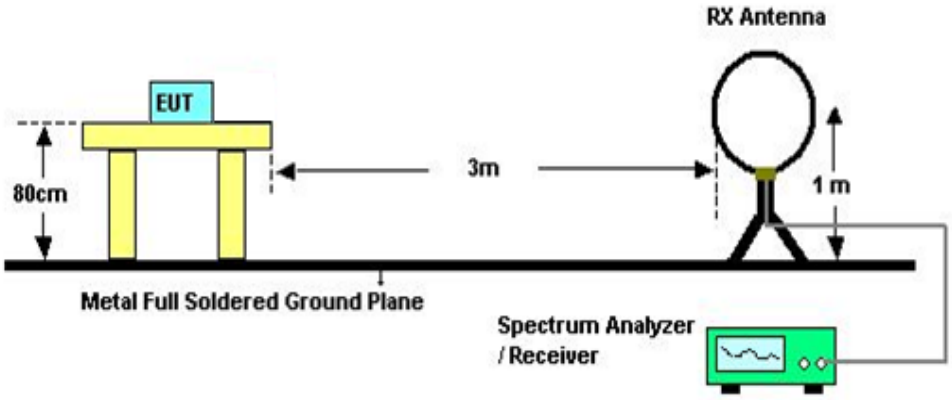
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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 (specific distance / test distance) (dB).
(3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

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

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

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

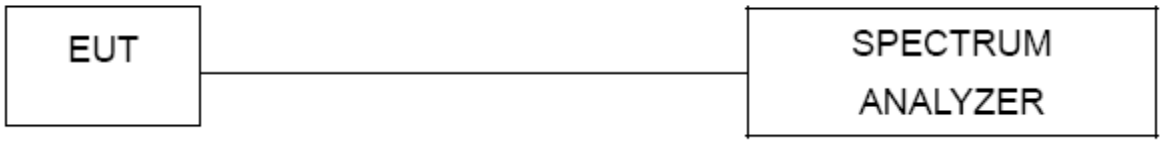
5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

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

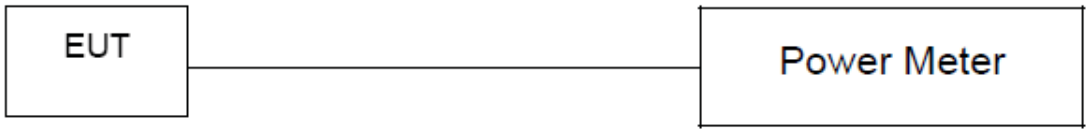
6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum peak conducted output power was performed in accordance with method 9.2 of FCC KDB 558074 D01 DTS Meas Guidance.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

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

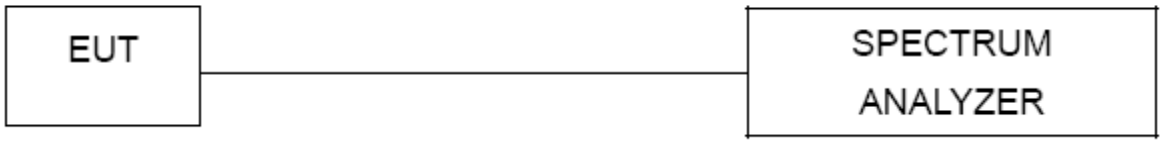
7.1.1 TEST PROCEDURE

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

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

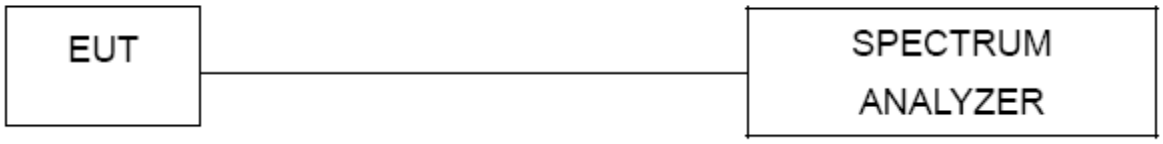
8.1.1 TEST PROCEDURE

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	0052765	Mar. 26, 2018
2	LISN	R&S	ENV216	101447	Mar. 26, 2018
3	Test Cable	emci	RG223(9KHz -30MHz)(5m)	C_17	Mar. 07, 2018
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 26, 2018
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 26, 2018
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1 -01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 27, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 26, 2018
8	Amplifier	Agilent	8449B	3008A02274	Feb. 22, 2018
9	Test Cable	emci	EMC104-SM-SM-10000(1GHz－26.5GHz)	C-68	Jun. 26, 2017
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 22, 2018
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

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

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

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

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

10. EUT TEST PHOTO

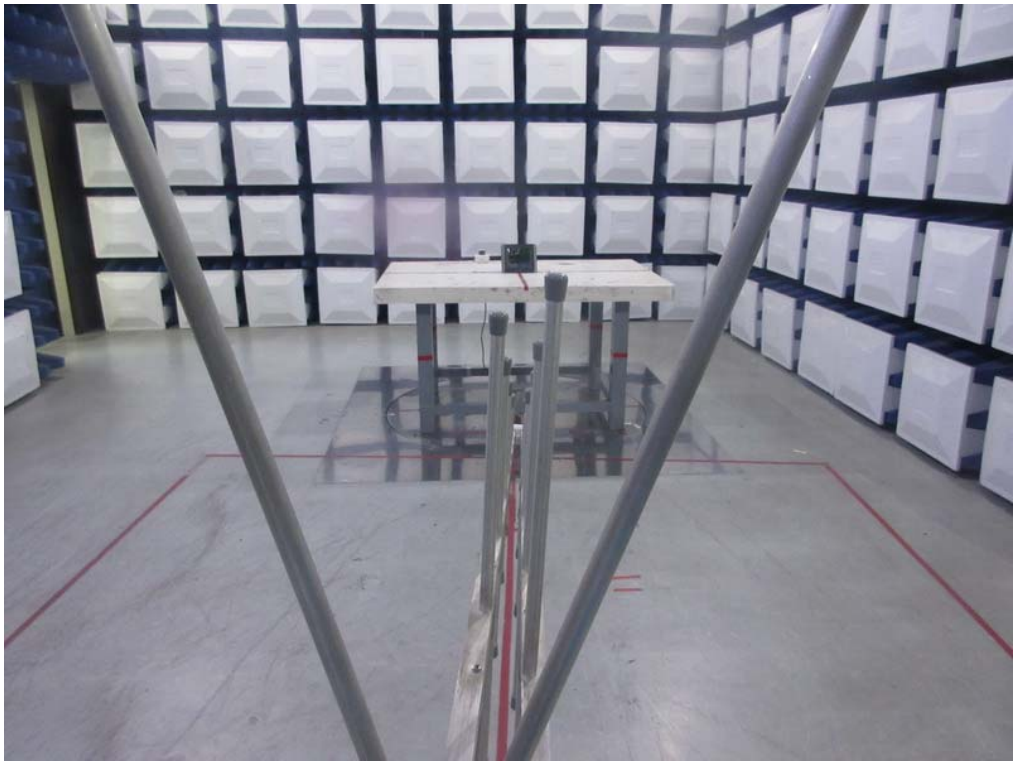
Conducted Measurement Photos

Radiated Measurement Photos

9KHz to 30MHz

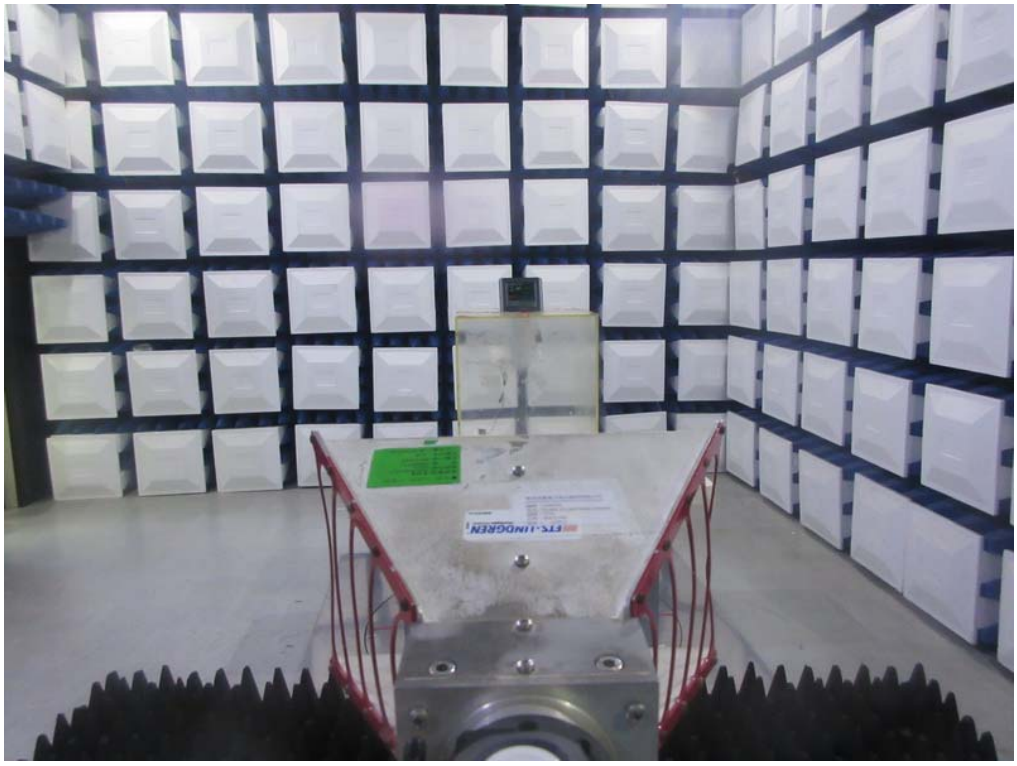
Radiated Measurement Photos

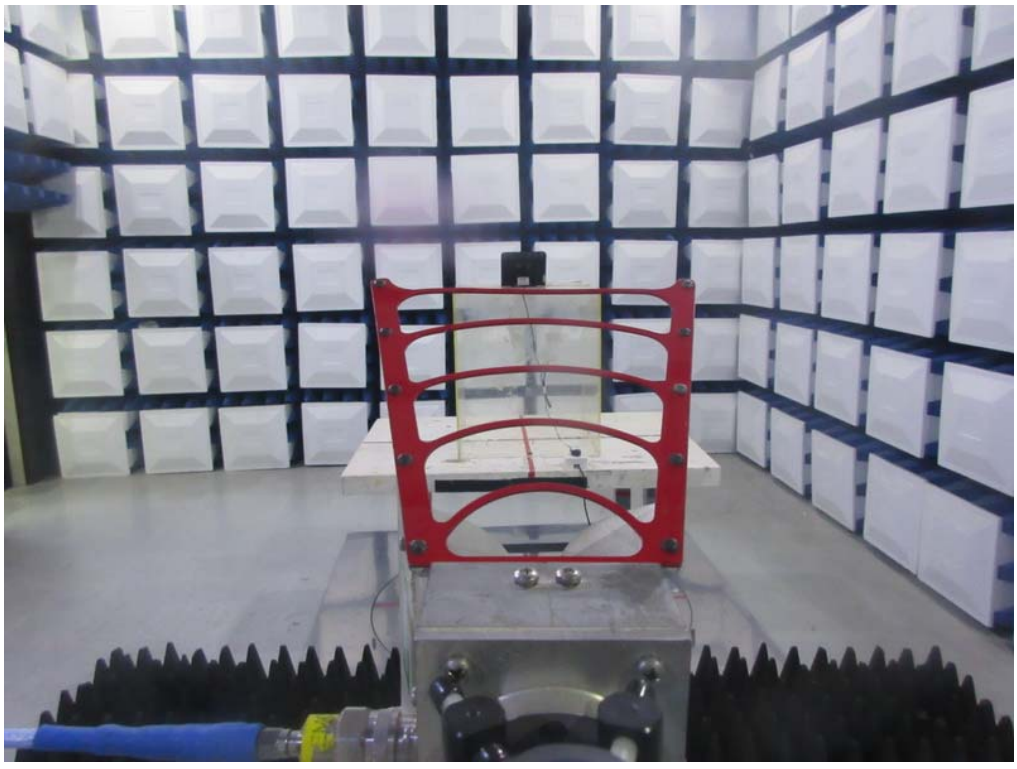
30MHz to 1000MHz



Radiated Measurement Photos

Above 1000MHz

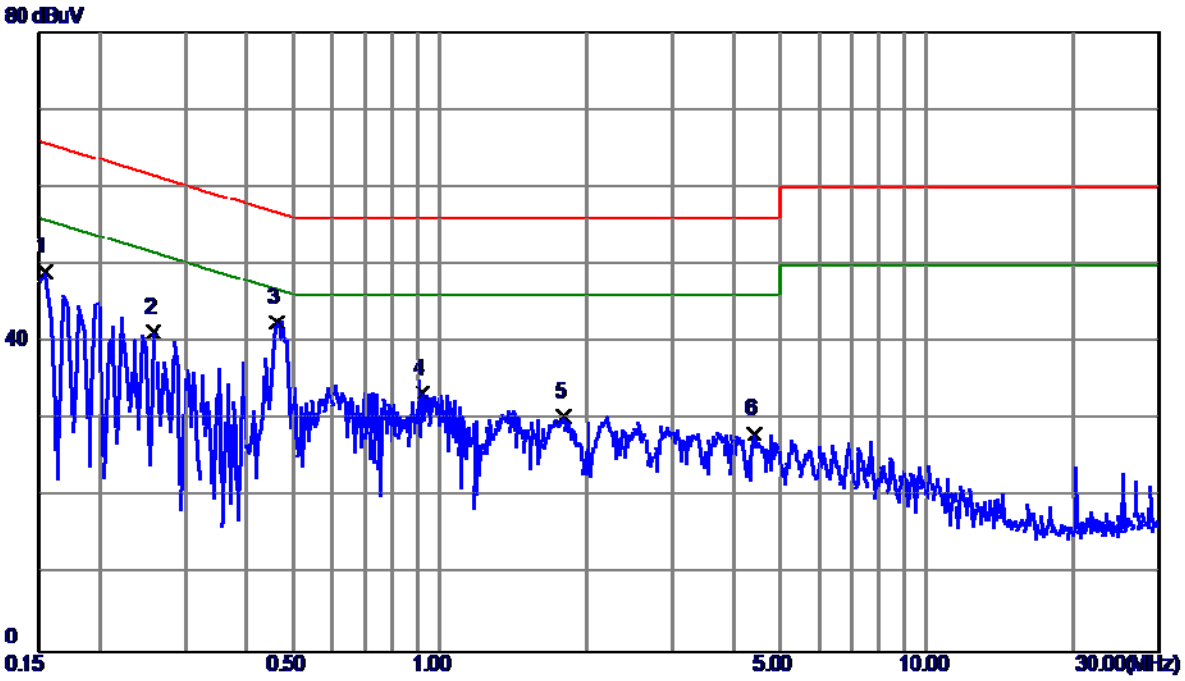




ATTACHMENT A - CONDUCTED EMISSION

Test Mode :	Normal Link

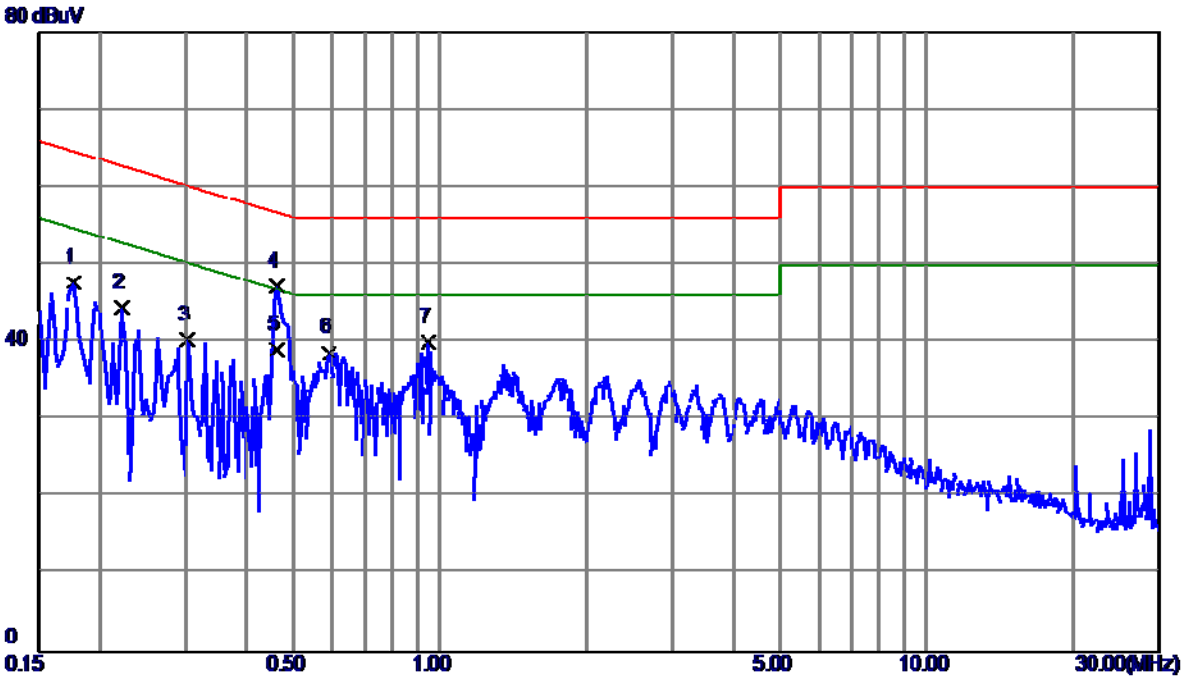
Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1545	39.37	9.75	49.12	65.75	-16.63	Peak	
2	0.2580	31.59	9.72	41.31	61.50	-20.19	Peak	
3 *	0.4605	32.85	9.76	42.61	56.68	-14.07	Peak	
4	0.9195	23.58	9.78	33.36	56.00	-22.64	Peak	
5	1.7970	20.65	9.80	30.45	56.00	-25.55	Peak	
6	4.4205	18.35	9.87	28.22	56.00	-27.78	Peak	

Test Mode :	Normal Link

Neutral

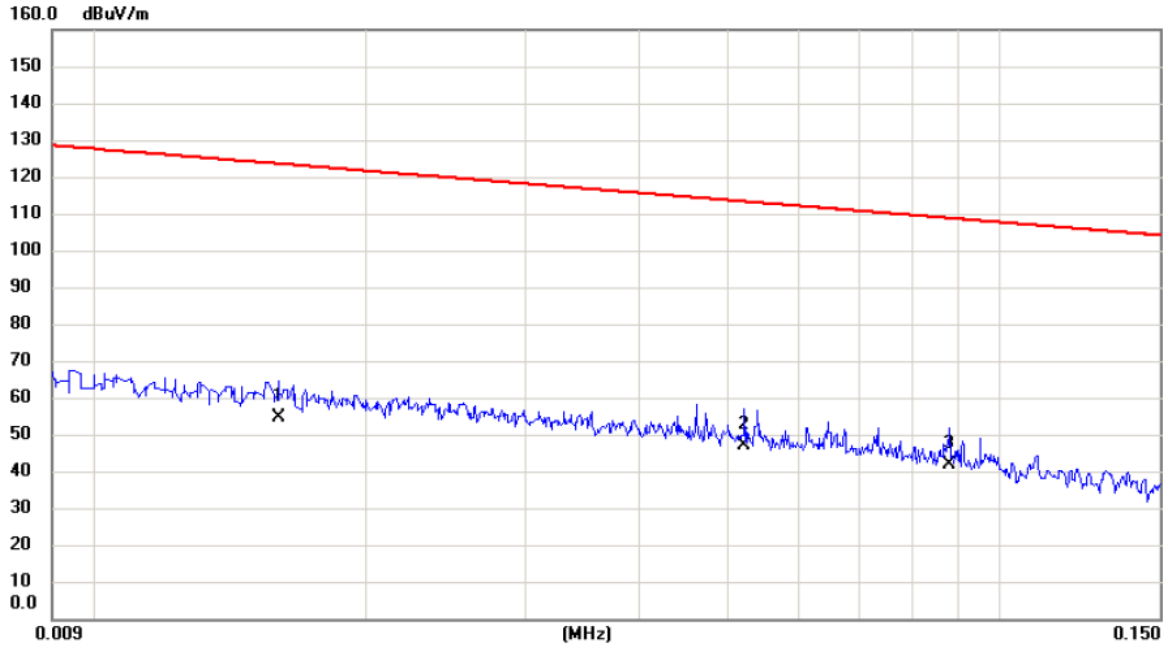


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1770	38.04	9.64	47.68	64.63	-16.95	Peak	
2	0.2220	34.88	9.65	44.53	62.74	-18.21	Peak	
3	0.3030	30.67	9.64	40.31	60.16	-19.85	Peak	
4	0.4605	37.57	9.65	47.22	56.68	-9.46	Peak	
5 *	0.4605	29.41	9.65	39.06	46.68	-7.62	AVG	
6	0.5910	28.98	9.66	38.64	56.00	-17.36	Peak	
7	0.9465	30.33	9.68	40.01	56.00	-15.99	Peak	

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

Test Mode:	TX B MODE CHANNEL 01

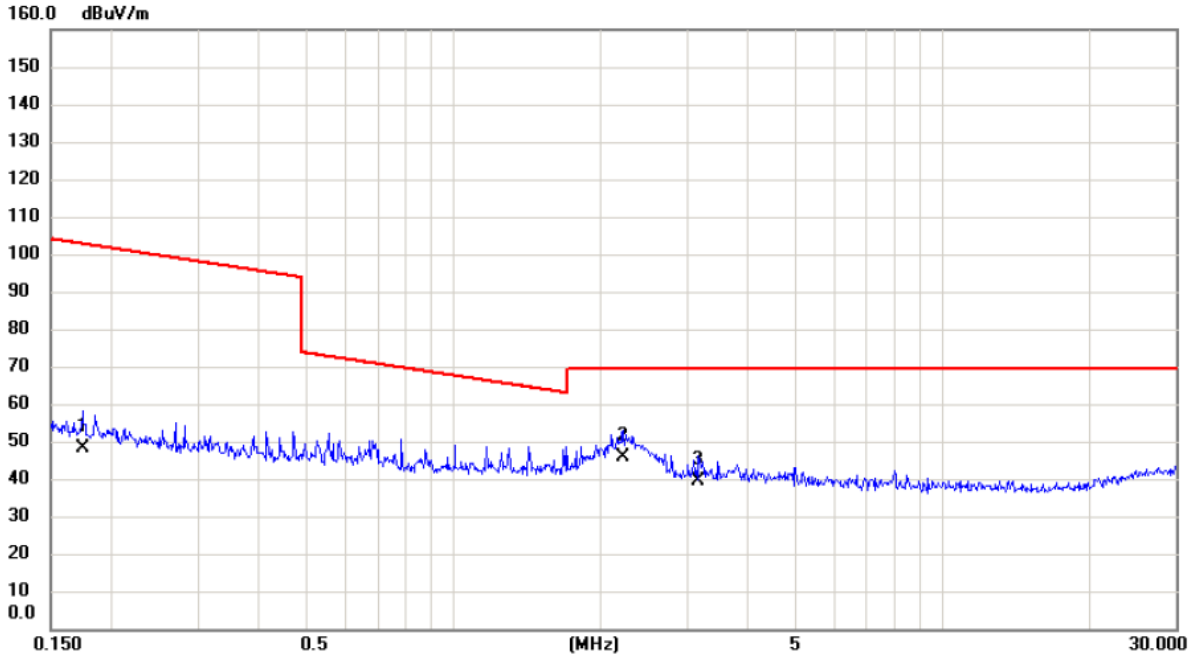
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0160	34.37	20.14	54.51	123.52	-69.01	AVG	
2	*	0.0522	28.20	18.68	46.88	113.25	-66.37	AVG	
3		0.0880	23.74	17.92	41.66	108.72	-67.06	AVG	

Test Mode:	TX B MODE CHANNEL 01

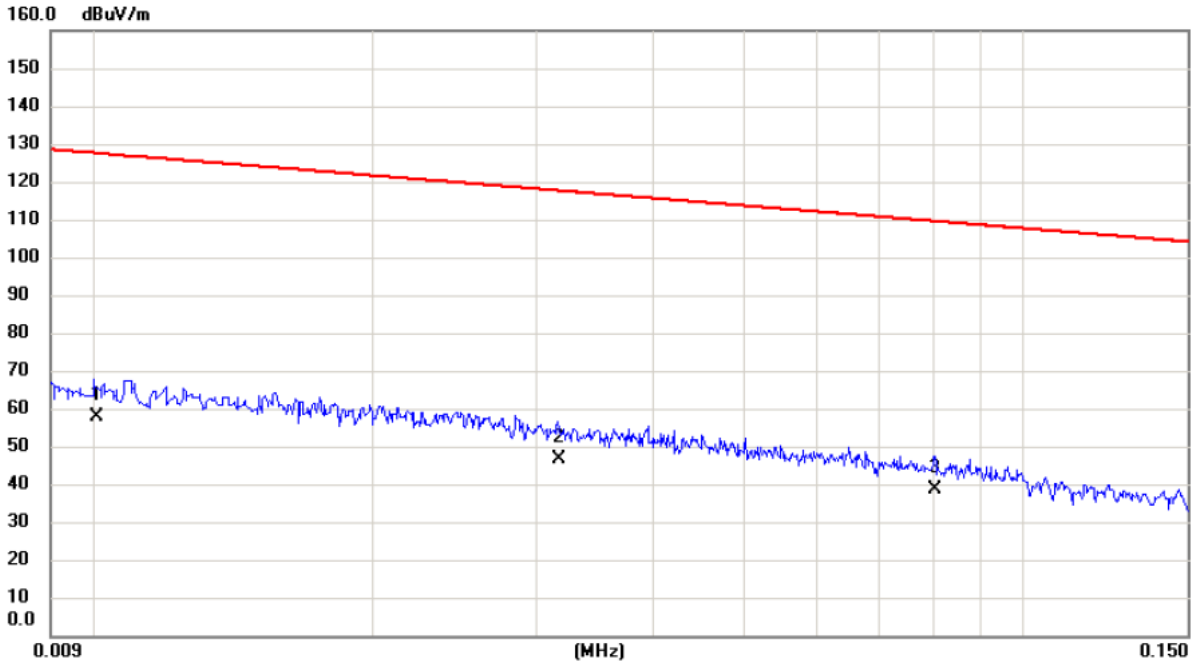
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1740	31.35	16.87	48.22	102.80	-54.58	AVG	
2	*	2.2132	30.49	15.45	45.94	69.54	-23.60	QP	
3		3.1731	24.20	15.18	39.38	69.54	-30.16	QP	

Test Mode:	TX B MODE CHANNEL 01

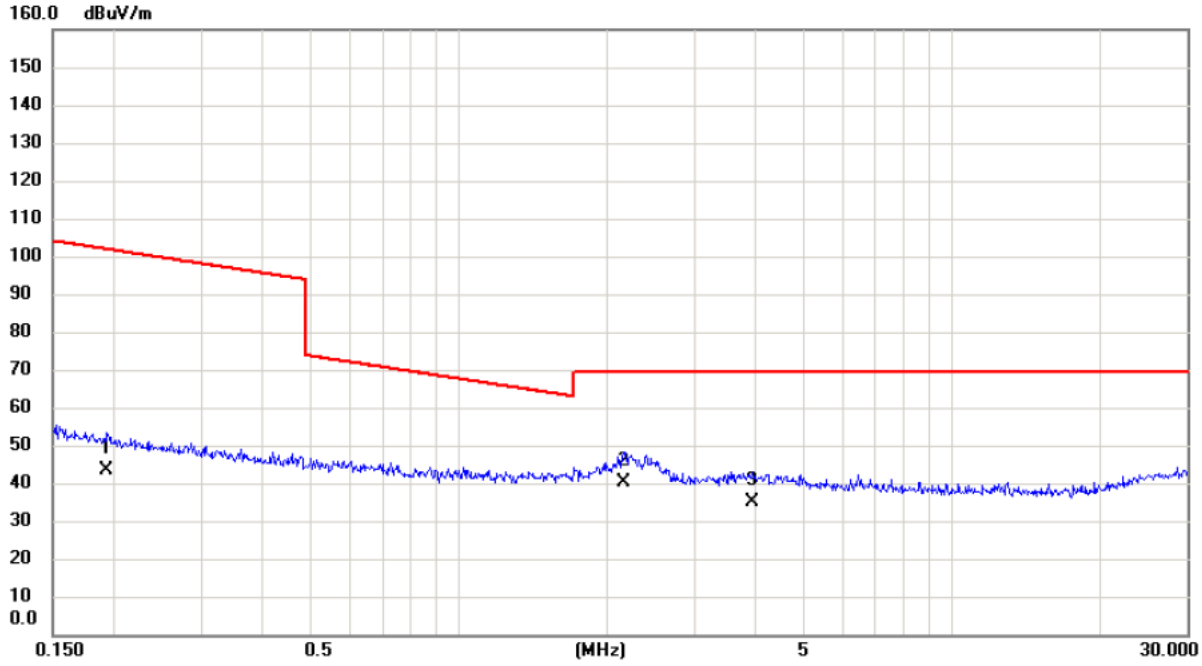
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0101	36.79	20.91	57.70	127.52	-69.82	AVG	
2		0.0317	27.35	19.27	46.62	117.58	-70.96	AVG	
3		0.0803	20.40	18.10	38.50	109.51	-71.01	AVG	

Test Mode:	TX B MODE CHANNEL 01

Ant 90°

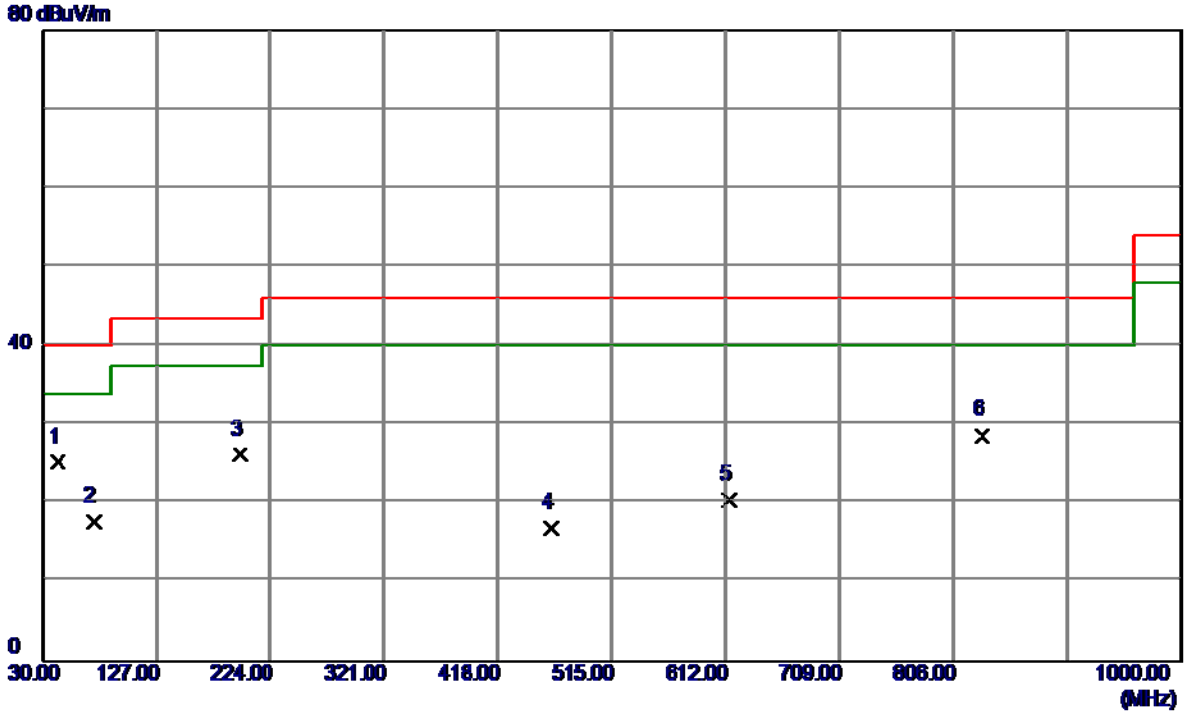


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1934	26.78	16.81	43.59	101.88	-58.29	AVG	
2	*	2.1552	24.94	15.46	40.40	69.54	-29.14	QP	
3		3.9430	20.08	14.97	35.05	69.54	-34.49	QP	

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

Test Mode:	TX B MODE CHANNEL 01

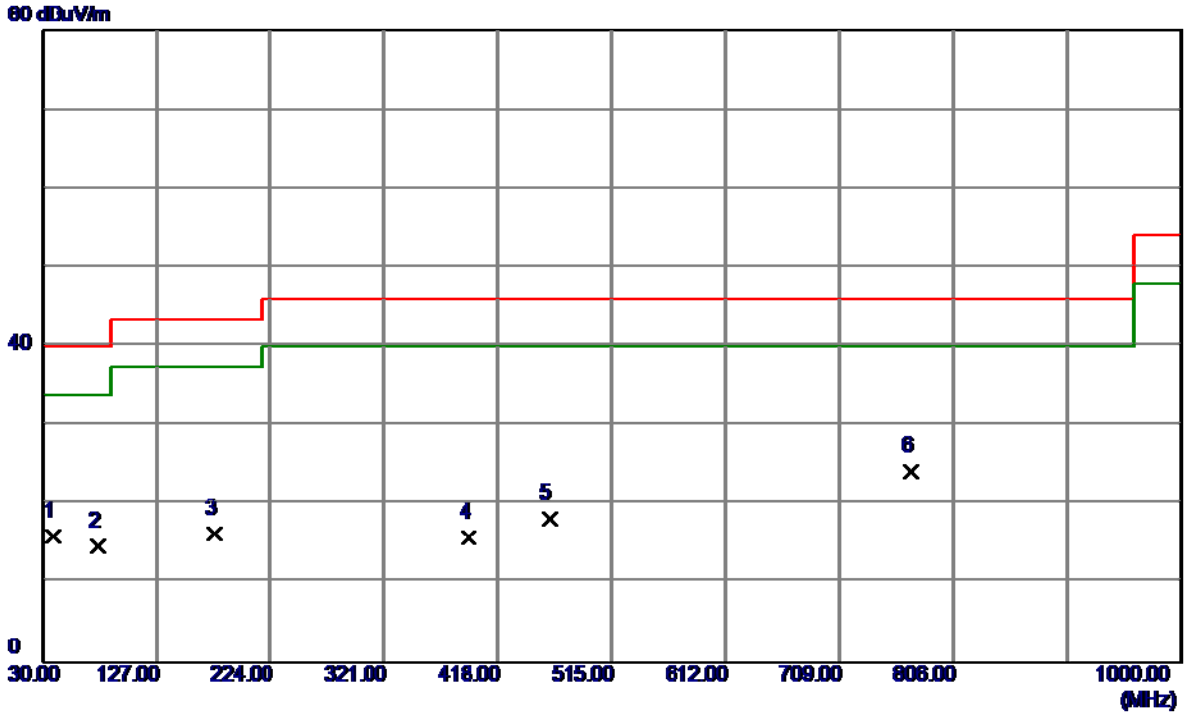
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	42.6100	39.42	-14.21	25.21	40.00	-14.79	Peak	
2	73.6500	35.52	-17.71	17.81	40.00	-22.19	Peak	
3	197.8100	41.31	-15.01	26.30	43.50	-17.20	Peak	
4	463.5900	29.44	-12.42	17.02	46.00	-28.98	Peak	
5	614.9099	30.15	-9.62	20.53	46.00	-25.47	Peak	
6	831.2199	33.69	-4.97	28.72	46.00	-17.28	Peak	

Test Mode:	TX B MODE CHANNEL 01

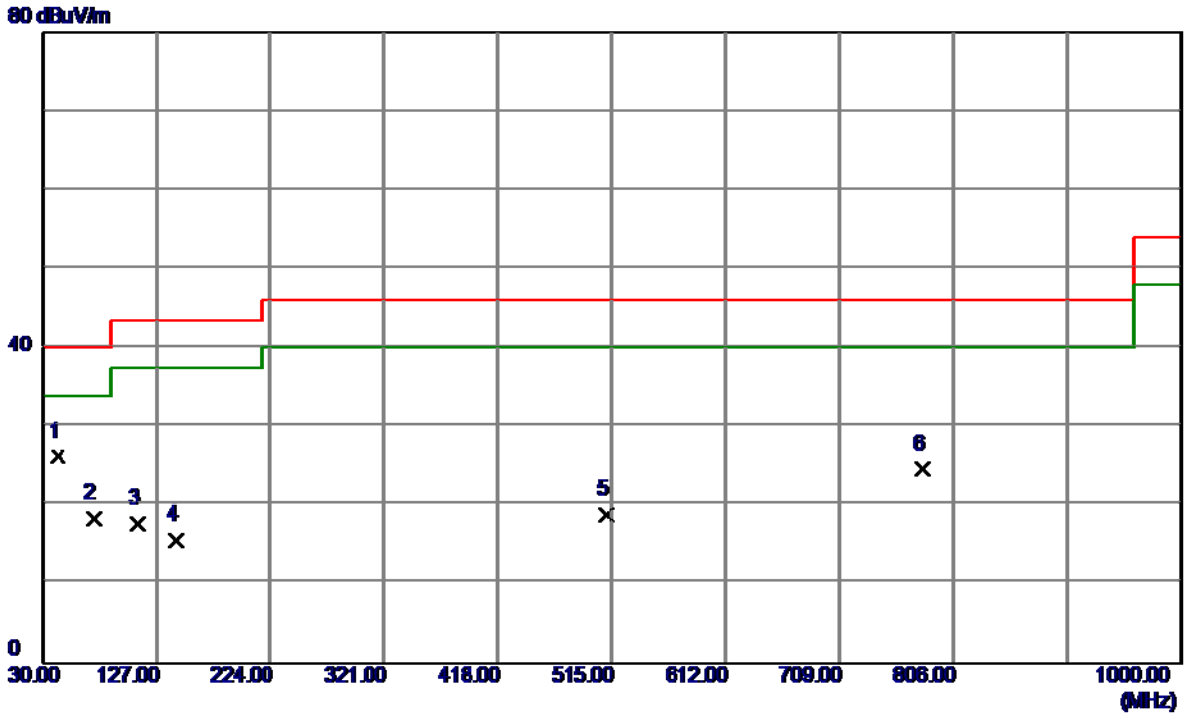
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38.7300	30.81	-14.74	16.07	40.00	-23.93	Peak	
2	77.5300	33.21	-18.47	14.74	40.00	-25.26	Peak	
3	176.4700	29.78	-13.48	16.30	43.50	-27.20	Peak	
4	392.7800	29.84	-13.93	15.91	46.00	-30.09	Peak	
5	461.6500	30.64	-12.46	18.18	46.00	-27.82	Peak	
6 *	770.1100	30.35	-6.19	24.16	46.00	-21.84	Peak	

Test Mode:	TX B MODE CHANNEL 06

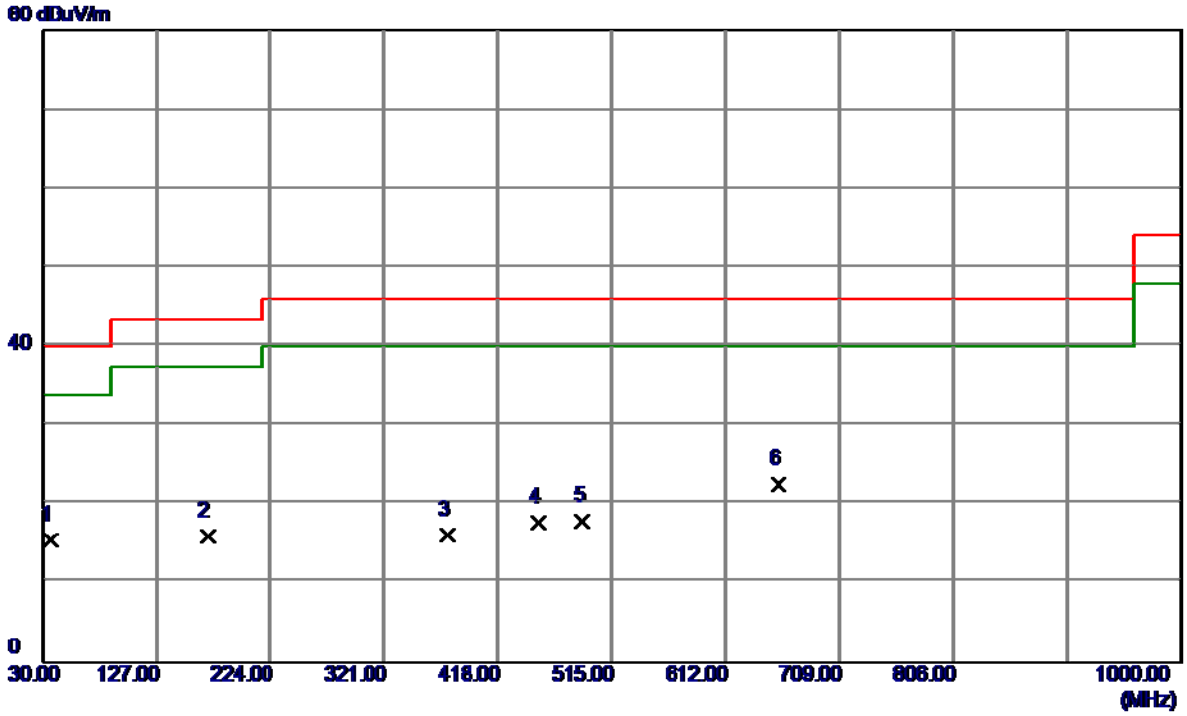
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	42.6100	40.40	-14.21	26.19	40.00	-13.81	Peak	
2	73.6500	36.11	-17.71	18.40	40.00	-21.60	Peak	
3	110.5100	34.88	-17.13	17.75	43.50	-25.75	Peak	
4	144.4600	30.76	-15.07	15.69	43.50	-27.81	Peak	
5	511.1200	30.42	-11.53	18.89	46.00	-27.11	Peak	
6	779.8100	30.64	-6.02	24.62	46.00	-21.38	Peak	

Test Mode:	TX B MODE CHANNEL 06

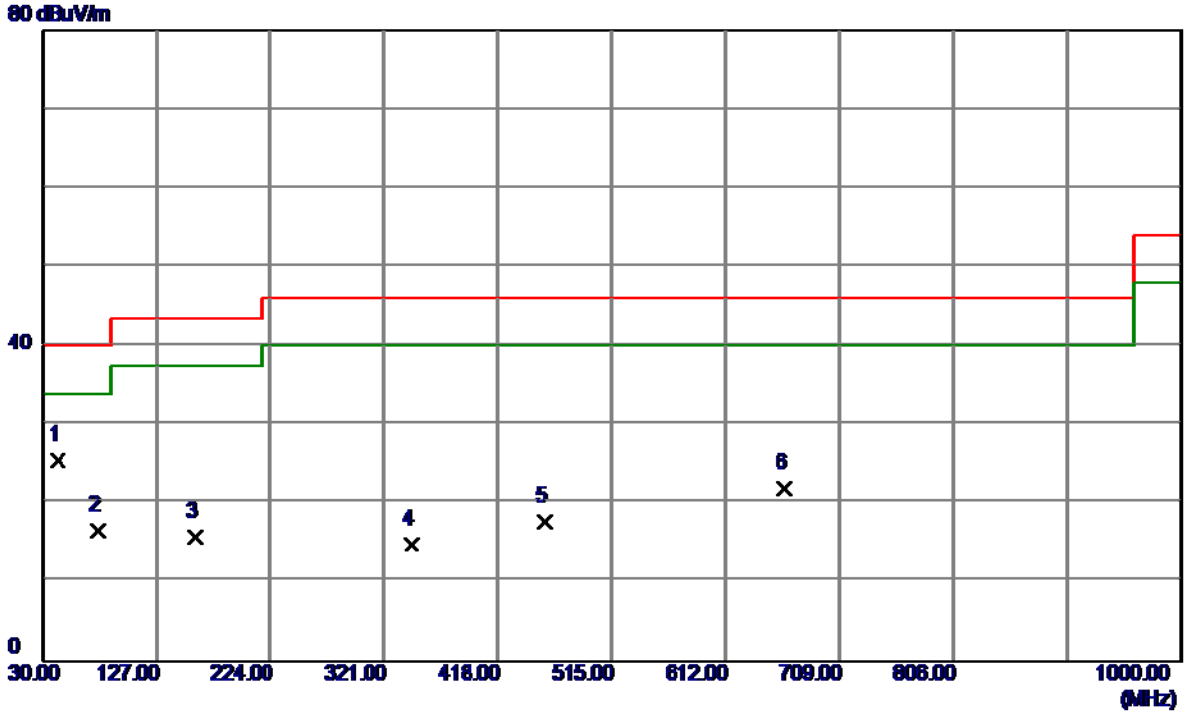
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	36.7900	30.44	-14.97	15.47	40.00	-24.53	Peak	
2	170.6500	29.57	-13.62	15.95	43.50	-27.55	Peak	
3	374.3500	30.17	-14.05	16.12	46.00	-29.88	Peak	
4	452.9200	30.44	-12.63	17.81	46.00	-28.19	Peak	
5	490.7500	29.76	-11.88	17.88	46.00	-28.12	Peak	
6 *	657.5900	31.49	-8.92	22.57	46.00	-23.43	Peak	

Test Mode:	TX B MODE CHANNEL 11

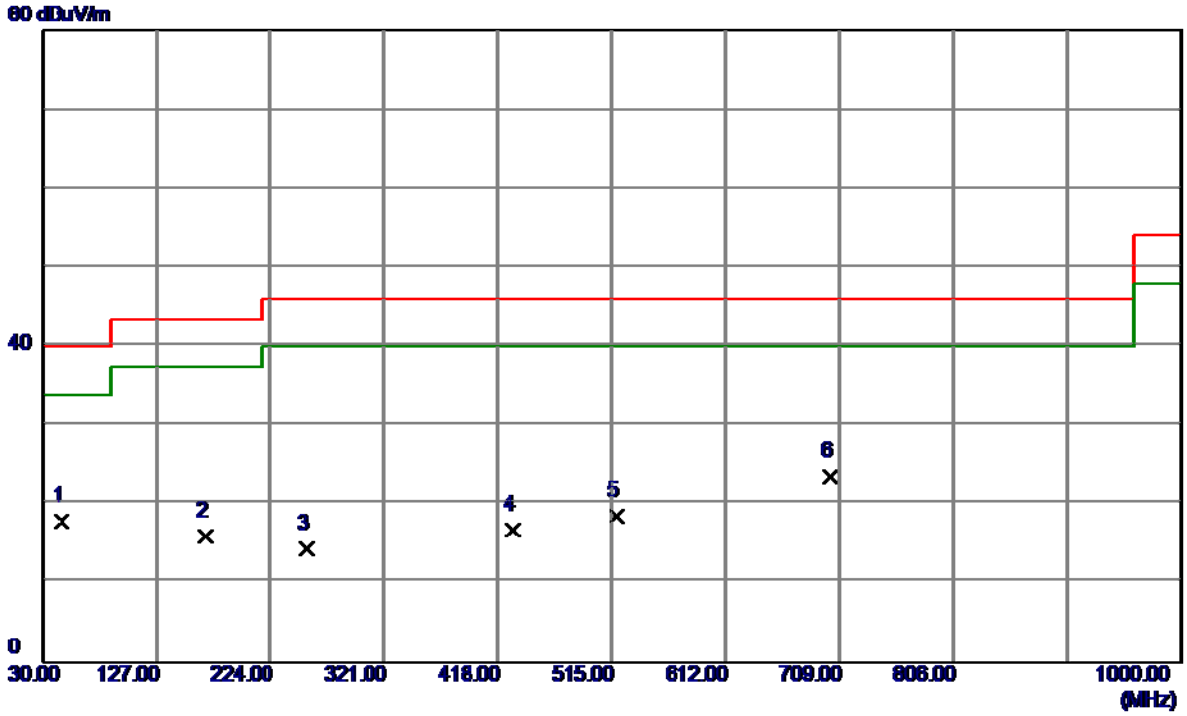
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	42.6100	39.73	-14.21	25.52	40.00	-14.48	Peak	
2	77.5300	35.13	-18.47	16.66	40.00	-23.34	Peak	
3	159.9800	30.03	-14.18	15.85	43.50	-27.65	Peak	
4	344.2800	29.15	-14.28	14.87	46.00	-31.13	Peak	
5	457.7700	30.25	-12.54	17.71	46.00	-28.29	Peak	
6	662.4400	30.73	-8.79	21.94	46.00	-24.06	Peak	

Test Mode:	TX B MODE CHANNEL 11

Horizontal

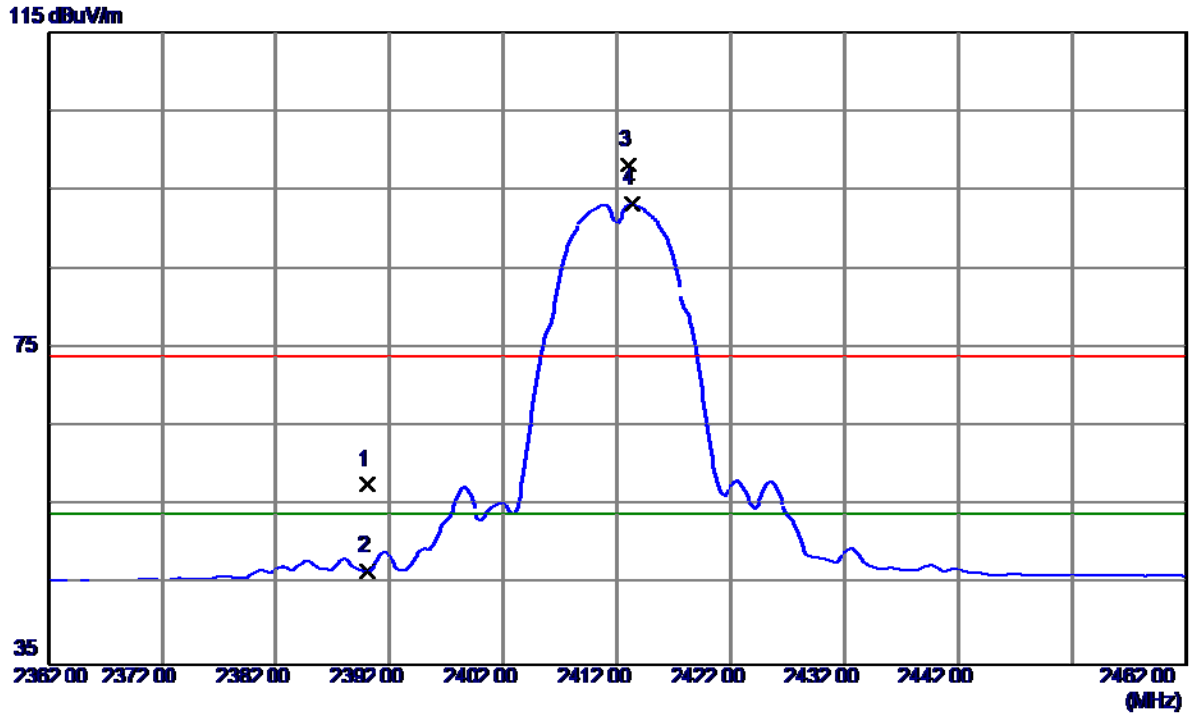


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	46.4900	31.49	-13.61	17.88	40.00	-22.12	Peak	
2	168.7100	29.67	-13.71	15.96	43.50	-27.54	Peak	
3	255.0400	31.47	-17.07	14.40	46.00	-31.60	Peak	
4	430.6100	29.88	-13.15	16.73	46.00	-29.27	Peak	
5	518.8800	29.93	-11.40	18.53	46.00	-27.47	Peak	
6	701.2400	31.33	-7.77	23.56	46.00	-22.44	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

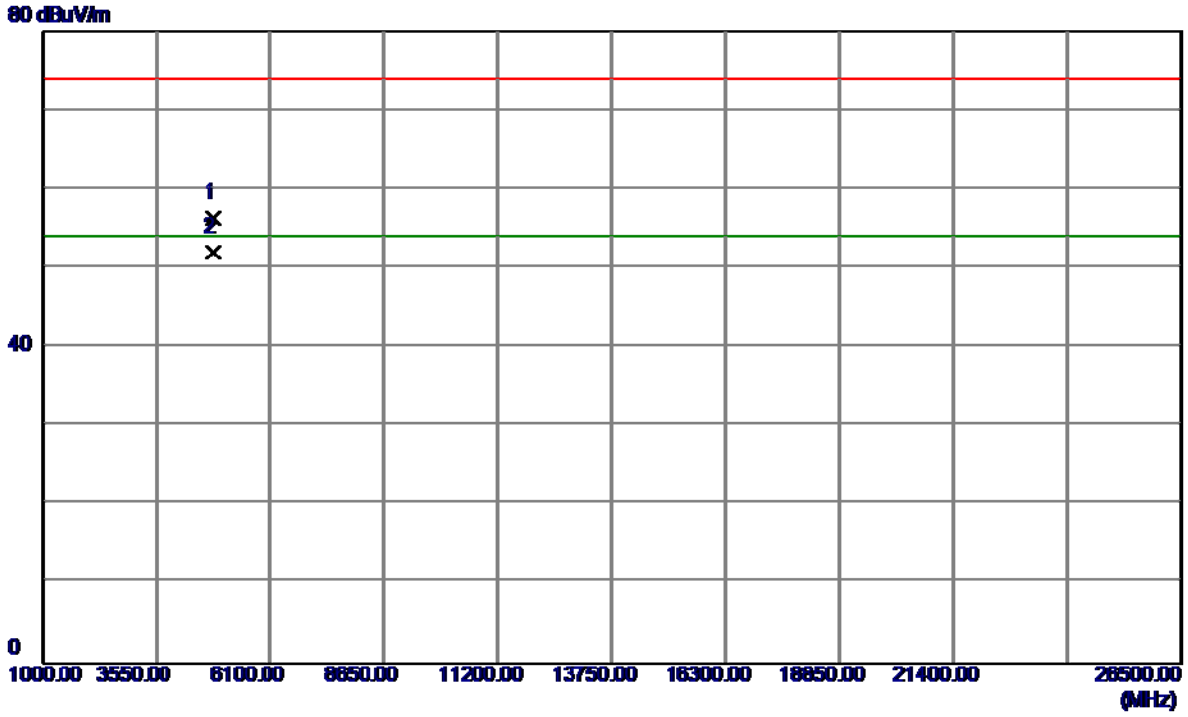
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	25.27	32.38	57.65	74.00	-16.35	Peak	
2	2390.0000	14.45	32.38	46.83	54.00	-7.17	AVG	
3	2413.0000	65.70	32.46	98.16	74.00	24.16	Peak	No Limit
4 *	2413.3000	60.73	32.46	93.19	54.00	39.19	AVG	No Limit

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

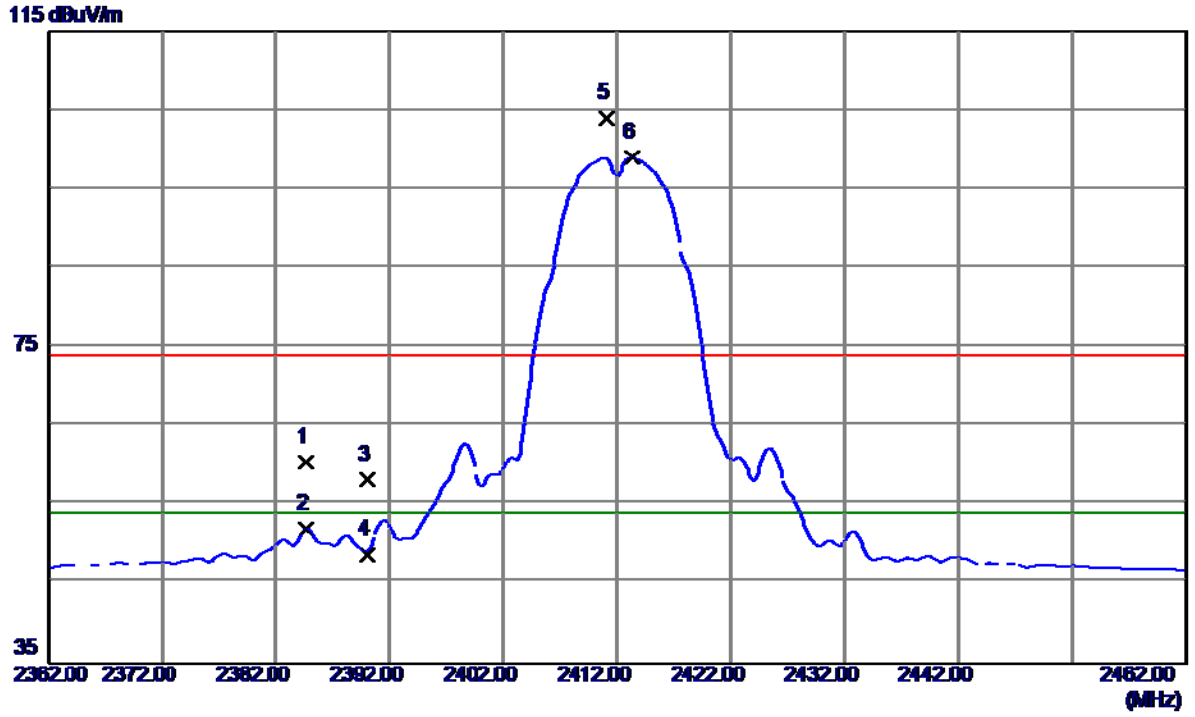
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.3500	50.89	5.47	56.36	74.00	-17.64	Peak	
2 *	4823.3500	46.52	5.47	51.99	54.00	-2.01	AVG	

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

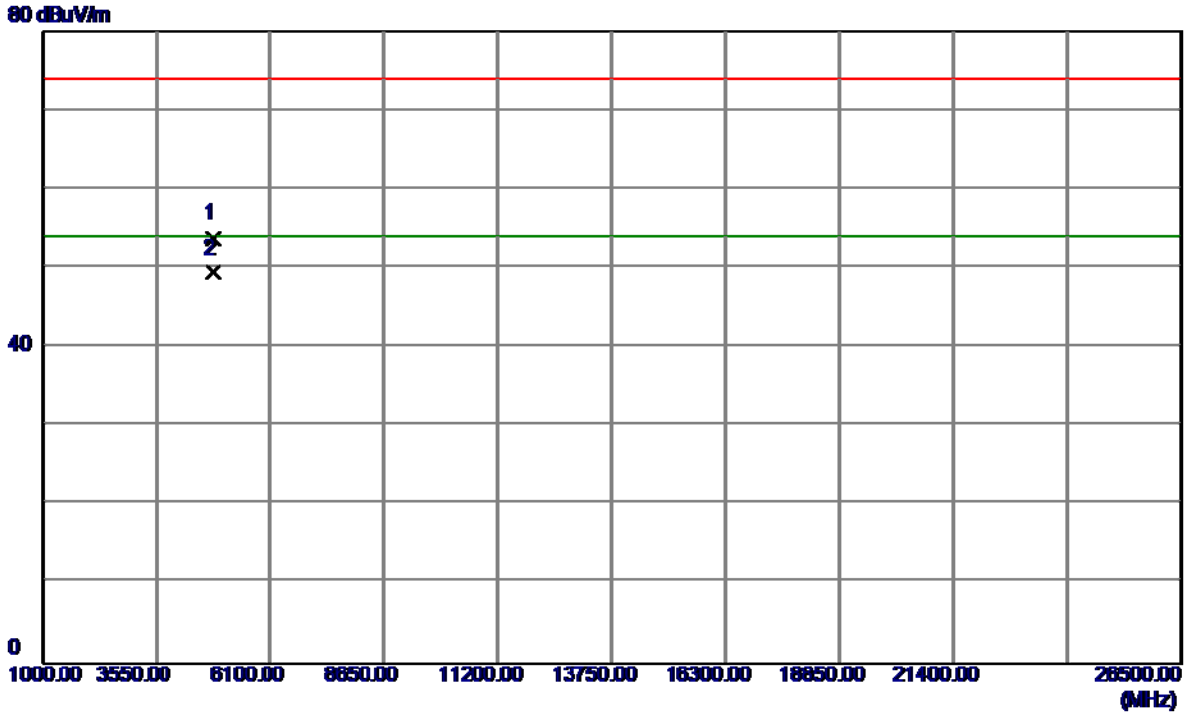
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2384.7000	28.14	32.36	60.50	74.00	-13.50	Peak	
2	2384.7000	19.63	32.36	51.99	54.00	-2.01	AVG	
3	2390.0000	25.85	32.38	58.23	74.00	-15.77	Peak	
4	2390.0000	16.42	32.38	48.80	54.00	-5.20	AVG	
5	2411.1000	71.44	32.45	103.89	74.00	29.89	Peak	No Limit
6 *	2413.3000	66.49	32.46	98.95	54.00	44.95	AVG	No Limit

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

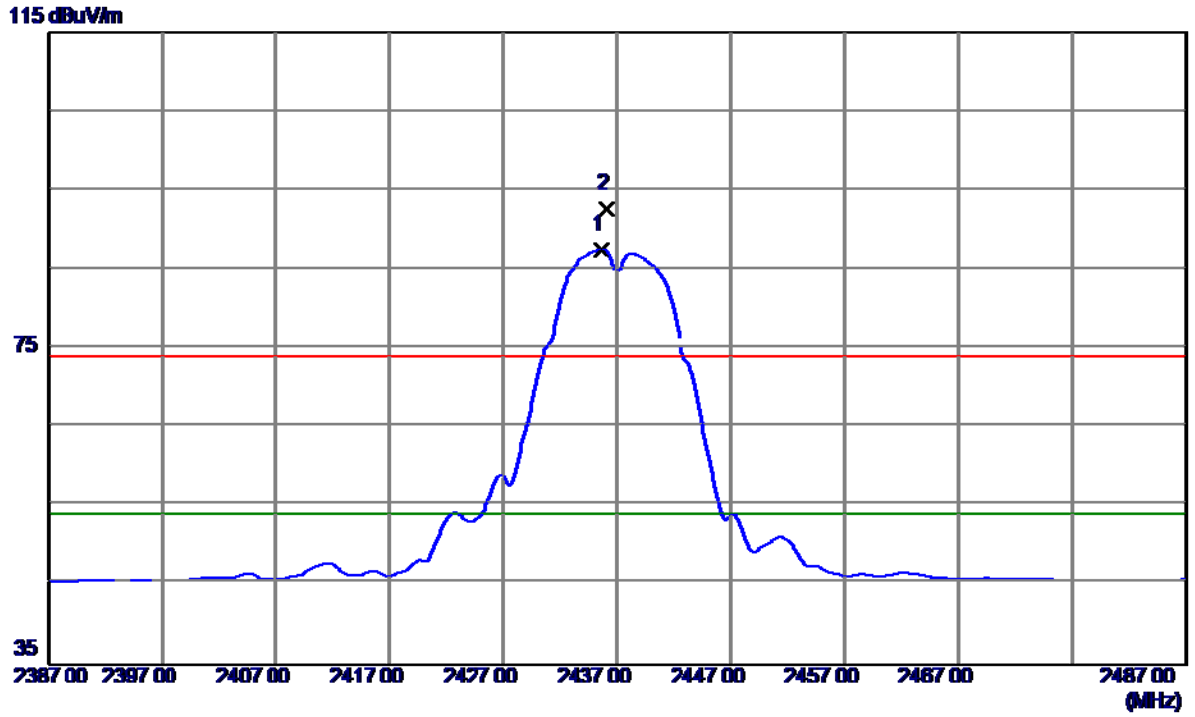
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.2140	48.35	5.47	53.82	74.00	-20.18	Peak	
2 *	4823.8640	43.89	5.47	49.36	54.00	-4.64	AVG	

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

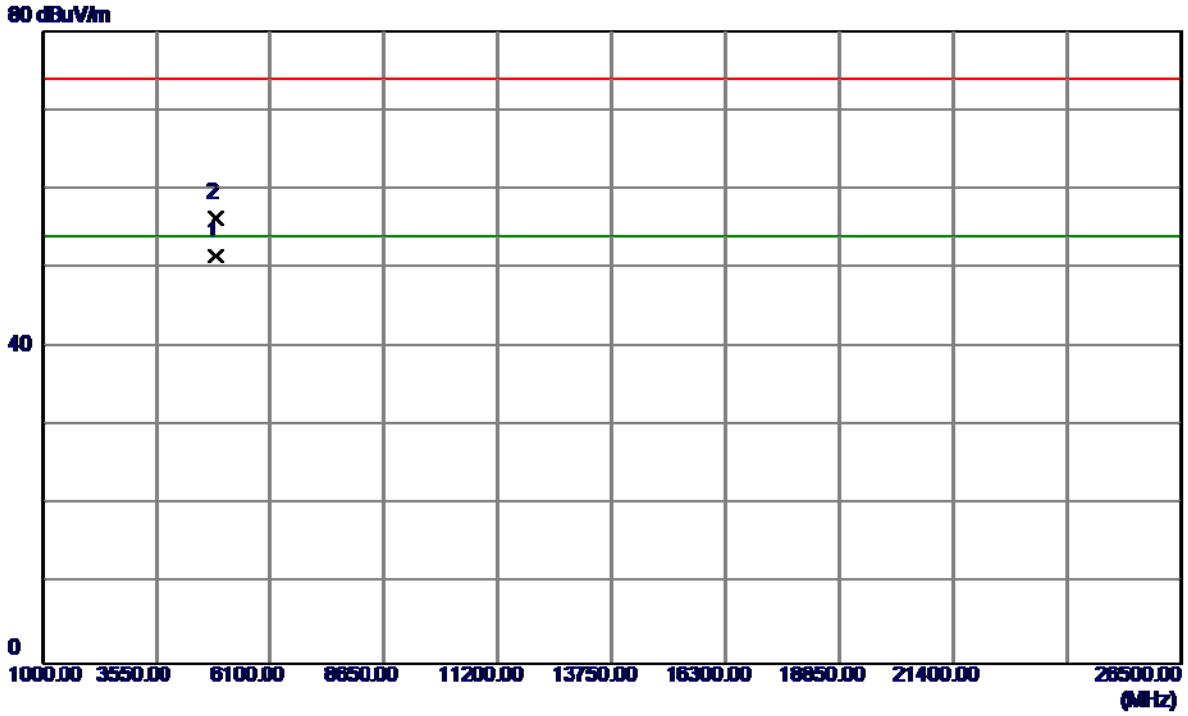
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2435.7000	54.99	32.54	87.53	54.00	33.53	AVG	No Limit
2	2436.1000	60.02	32.54	92.56	74.00	18.56	Peak	No Limit

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

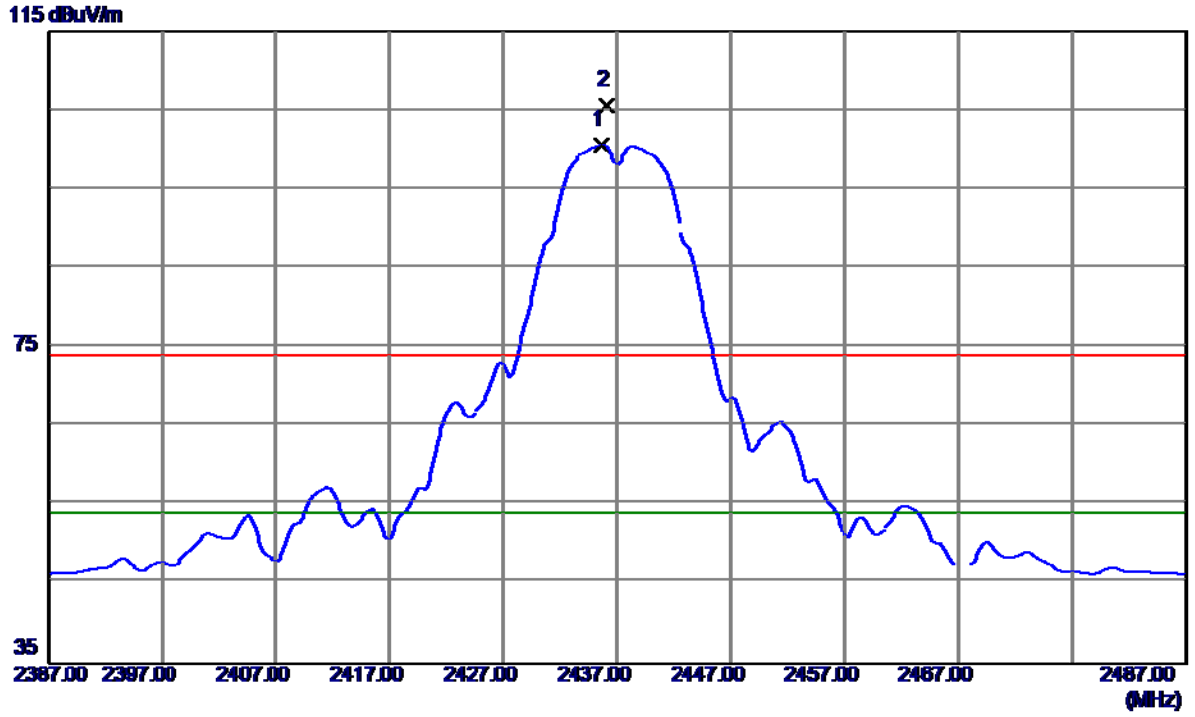
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.8000	45.91	5.61	51.52	54.00	-2.48	AVG	
2	4873.9400	50.69	5.61	56.30	74.00	-17.70	Peak	

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

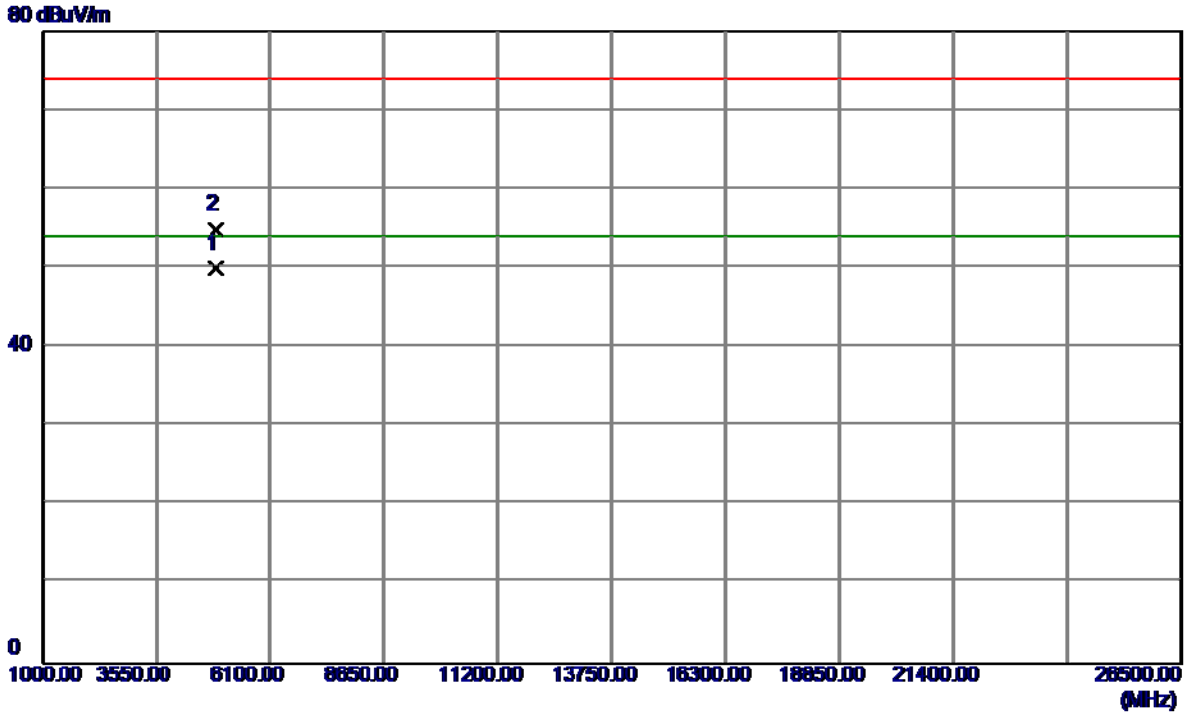
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2435.7000	68.04	32.54	100.58	54.00	46.58	AVG	No Limit
2	2436.1000	73.06	32.54	105.60	74.00	31.60	Peak	No Limit

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

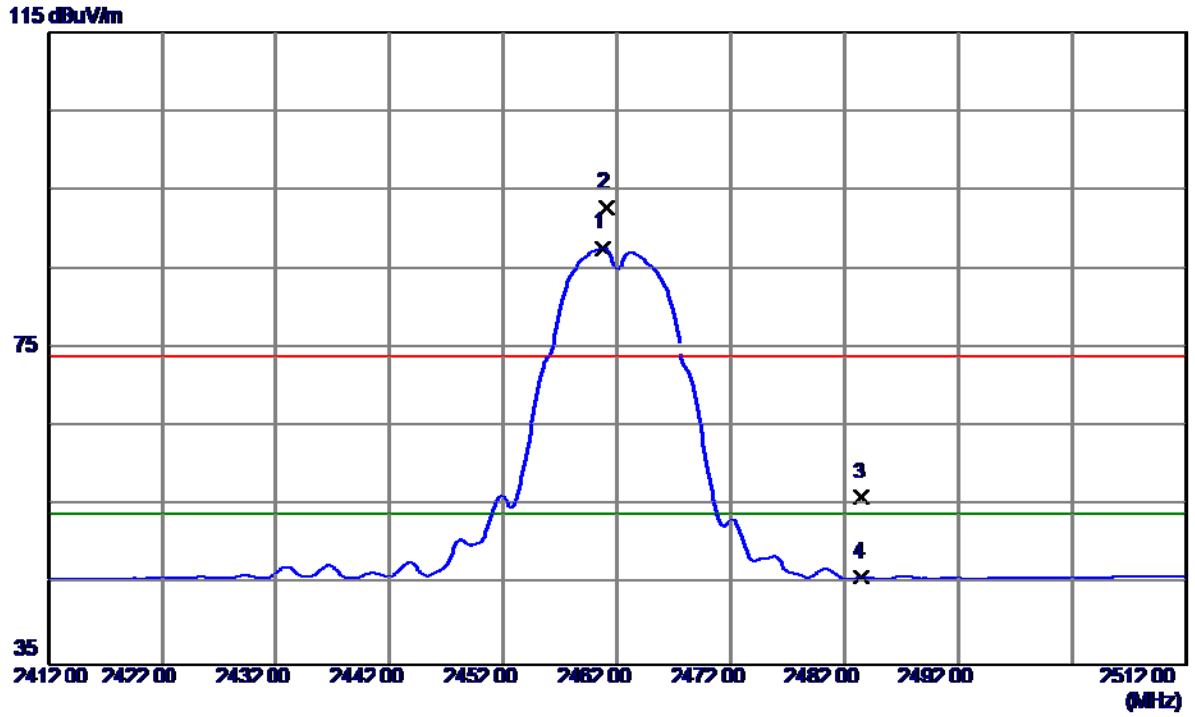
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.2310	44.37	5.61	49.98	54.00	-4.02	AVG	
2	4873.6280	49.25	5.61	54.86	74.00	-19.14	Peak	

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

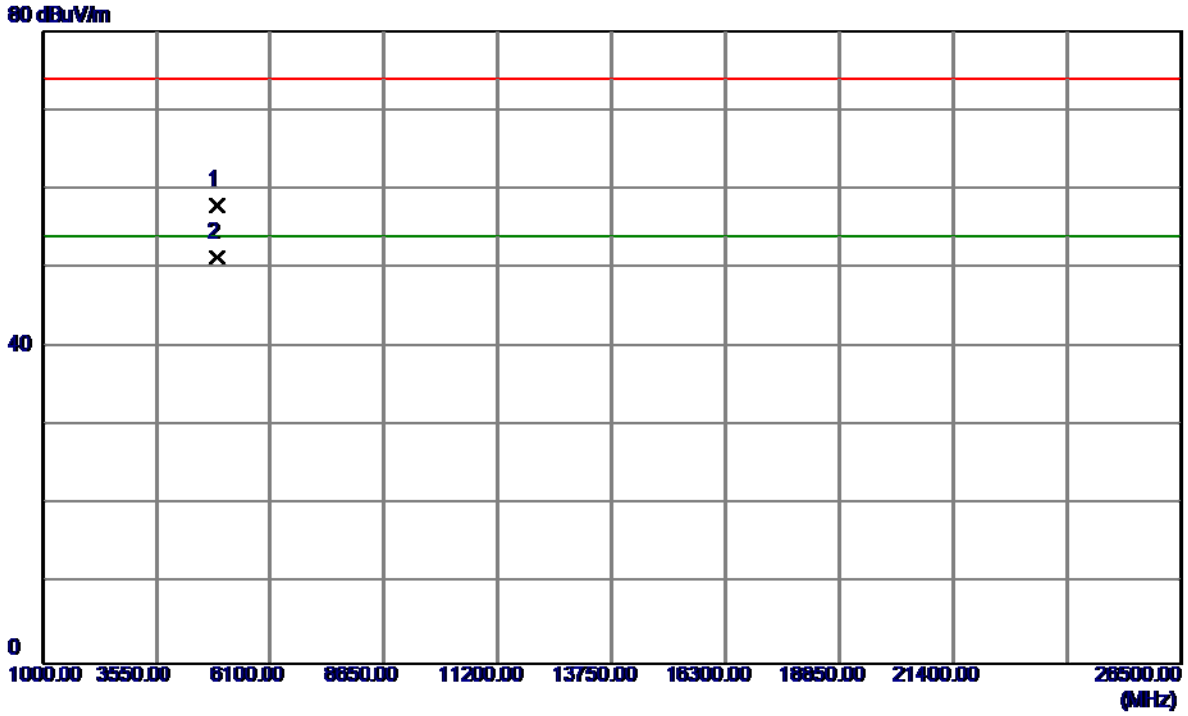
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2460.8000	55.09	32.63	87.72	54.00	33.72	AVG	No Limit
2	2461.1000	60.10	32.63	92.73	74.00	18.73	Peak	No Limit
3	2483.5000	23.39	32.71	56.10	74.00	-17.90	Peak	
4	2483.5000	13.33	32.71	46.04	54.00	-7.96	AVG	

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

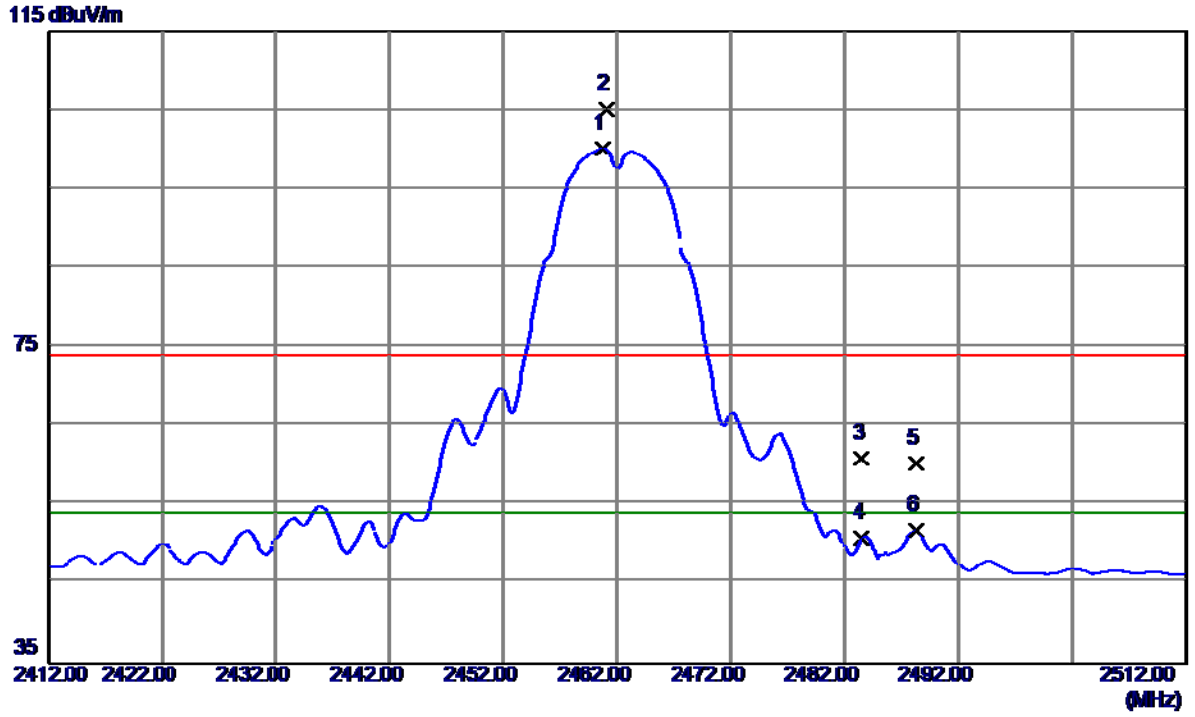
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.9000	52.10	5.74	57.84	74.00	-16.16	Peak	
2 *	4924.0299	45.68	5.74	51.42	54.00	-2.58	AVG	

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

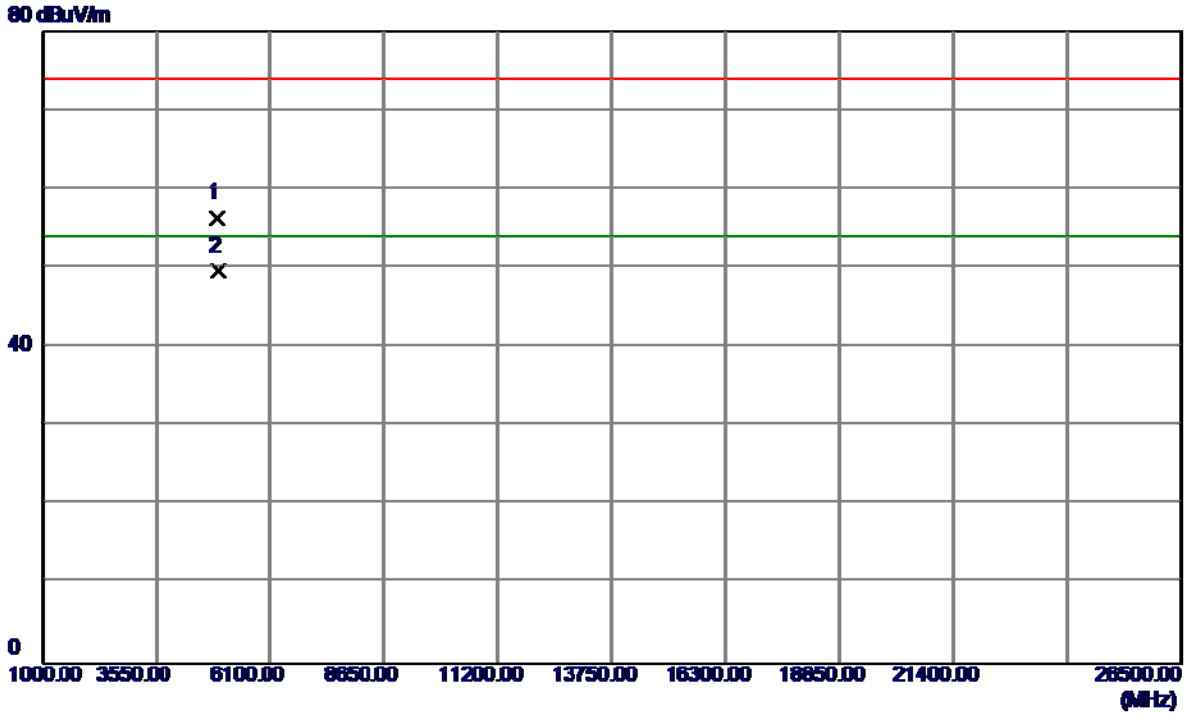
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2460.8000	67.50	32.63	100.13	54.00	46.13	AVG	No Limit
2	2461.1000	72.50	32.63	105.13	74.00	31.13	Peak	No Limit
3	2483.5000	28.26	32.71	60.97	74.00	-13.03	Peak	
4	2483.5000	18.10	32.71	50.81	54.00	-3.19	AVG	
5	2488.3000	27.51	32.73	60.24	74.00	-13.76	Peak	
6	2488.3000	19.00	32.73	51.73	54.00	-2.27	AVG	

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

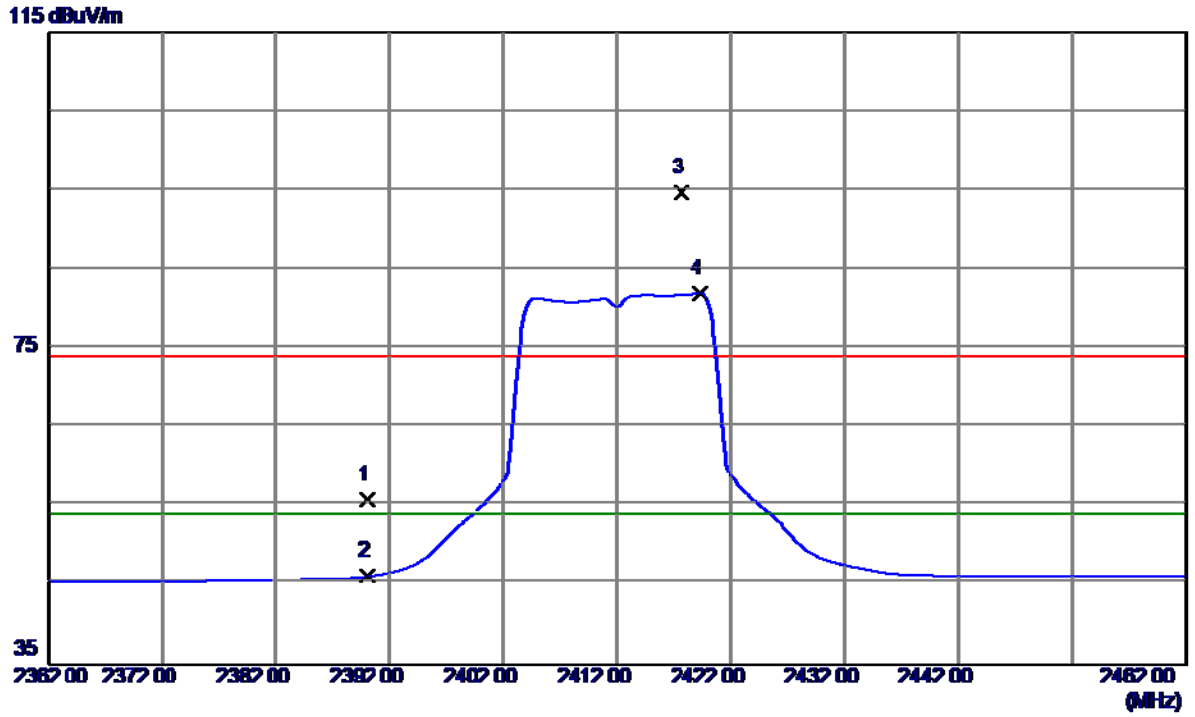
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.3540	50.62	5.74	56.36	74.00	-17.64	Peak	
2 *	4924.2080	43.83	5.75	49.58	54.00	-4.42	AVG	

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

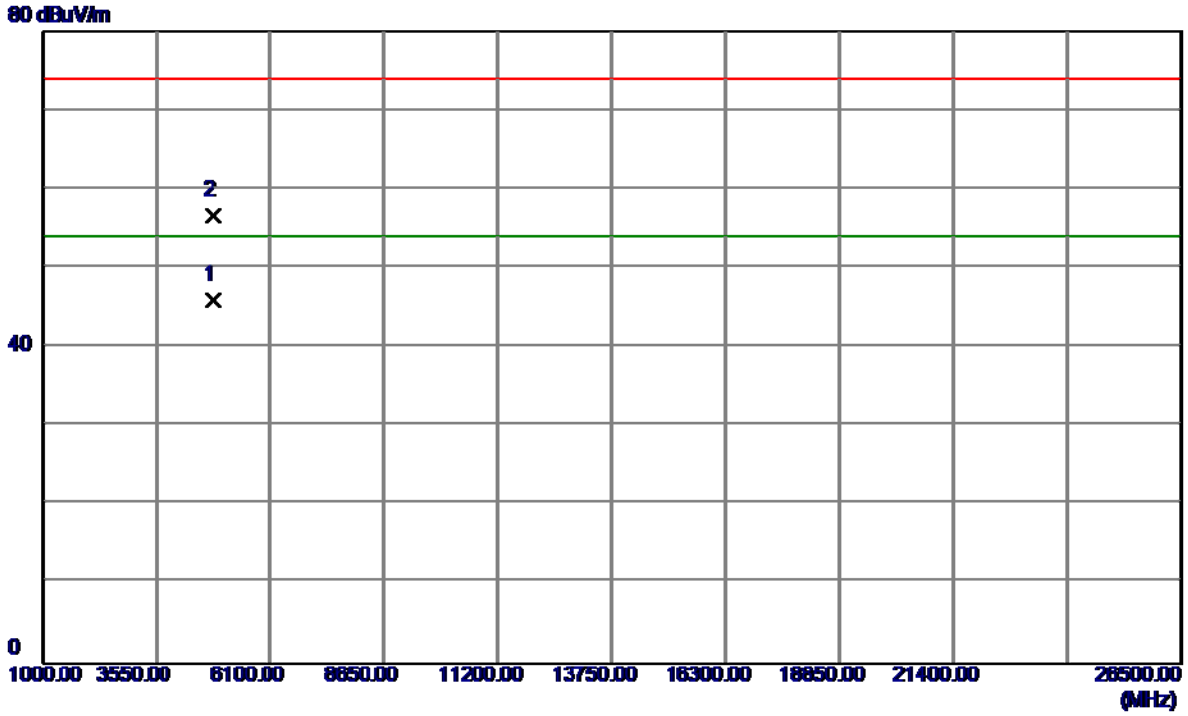
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	23.38	32.38	55.76	74.00	-18.24	Peak	
2	2390.0000	13.76	32.38	46.14	54.00	-7.86	AVG	
3	2417.7000	62.16	32.48	94.64	74.00	20.64	Peak	No Limit
4 *	2419.3000	49.40	32.48	81.88	54.00	27.88	AVG	No Limit

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

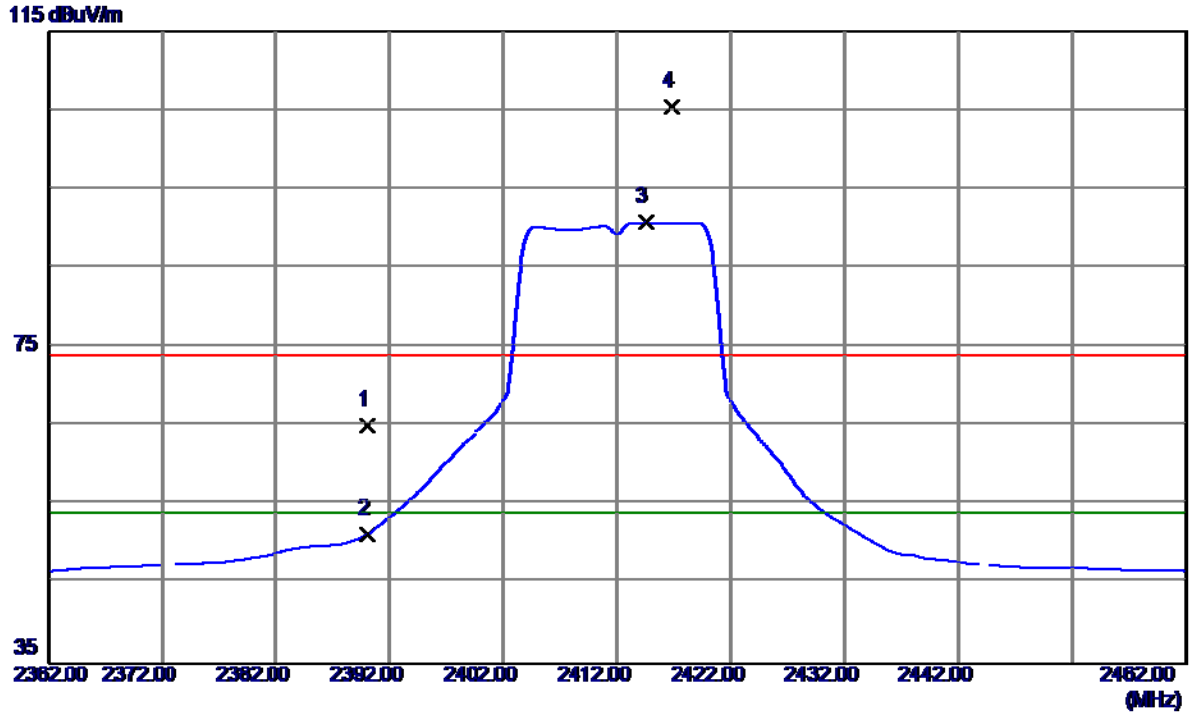
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.7000	40.51	5.48	45.99	54.00	-8.01	AVG	
2	4825.1500	51.15	5.48	56.63	74.00	-17.37	Peak	

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

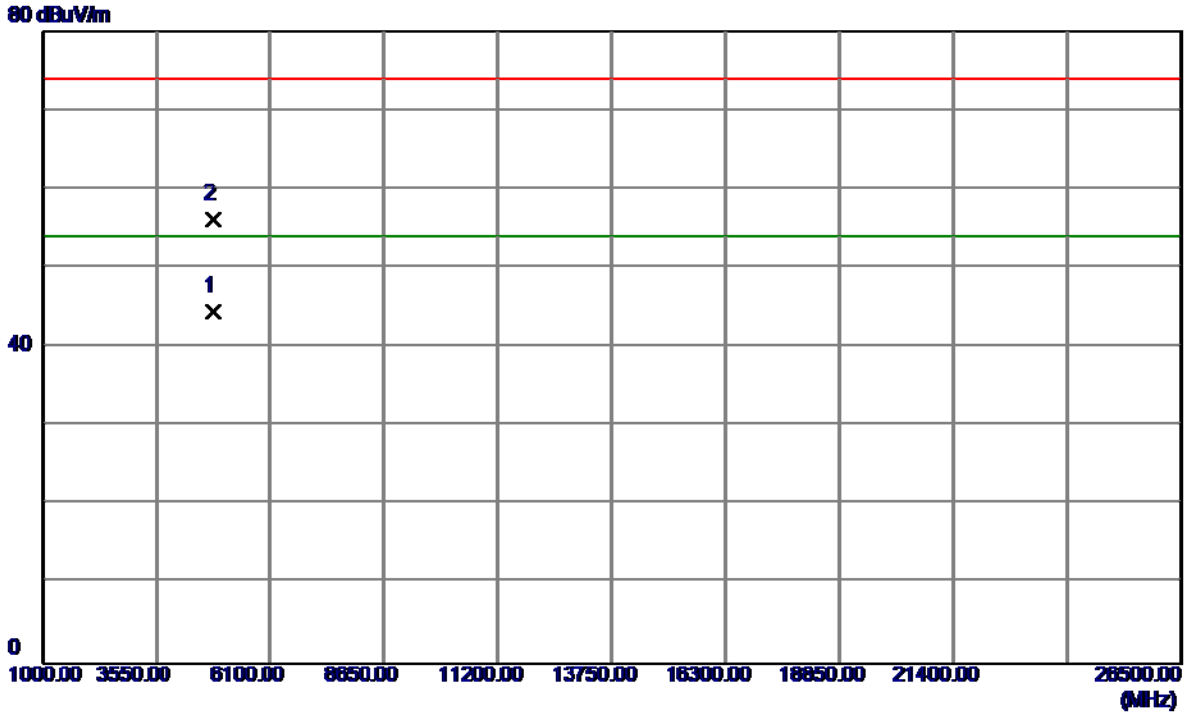
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	32.65	32.38	65.03	74.00	-8.97	Peak	
2	2390.0000	18.99	32.38	51.37	54.00	-2.63	AVG	
3 *	2414.5000	58.30	32.46	90.76	54.00	36.76	AVG	No Limit
4	2416.8000	72.92	32.47	105.39	74.00	31.39	Peak	No Limit

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

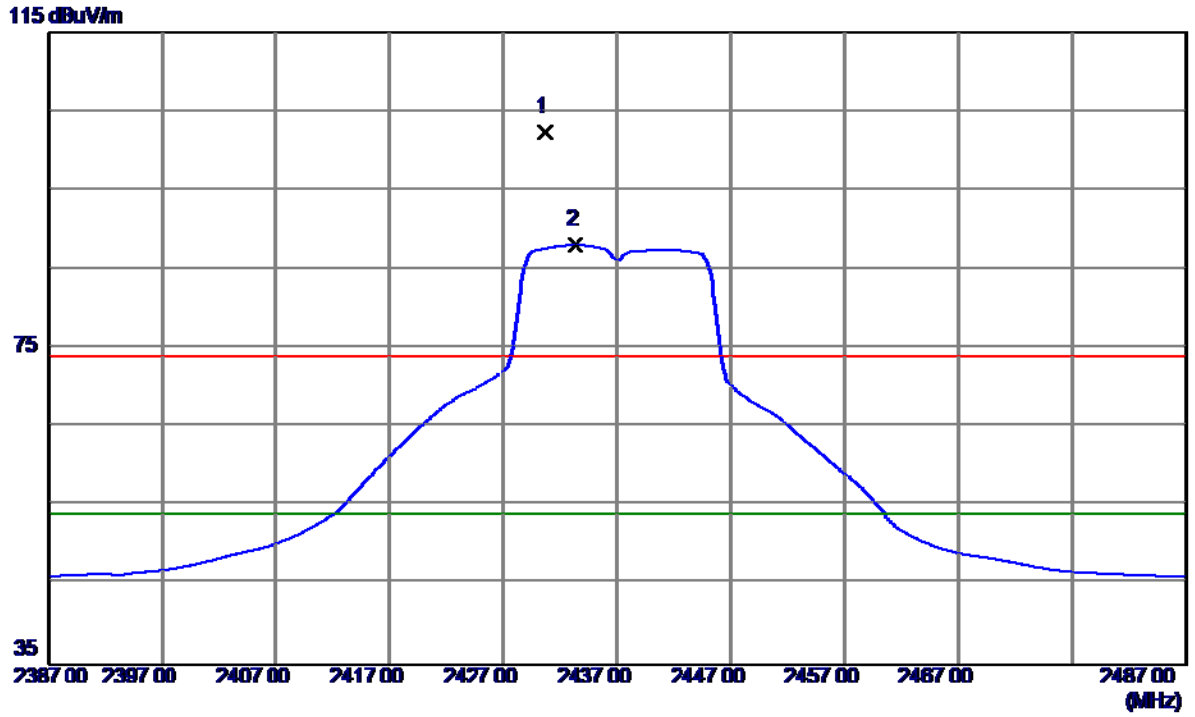
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.8210	39.05	5.48	44.53	54.00	-9.47	AVG	
2	4825.5540	50.61	5.48	56.09	74.00	-17.91	Peak	

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

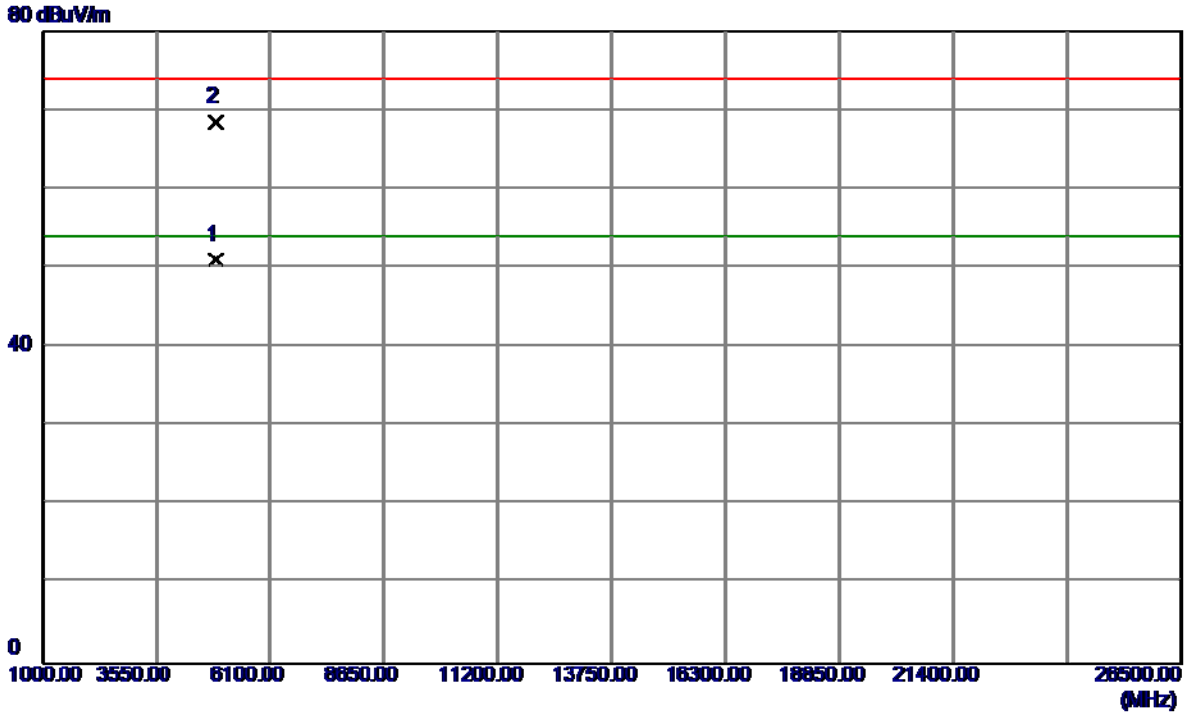
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2430.7000	69.80	32.52	102.32	74.00	28.32	Peak	No Limit
2 *	2433.3000	55.59	32.53	88.12	54.00	34.12	AVG	No Limit

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

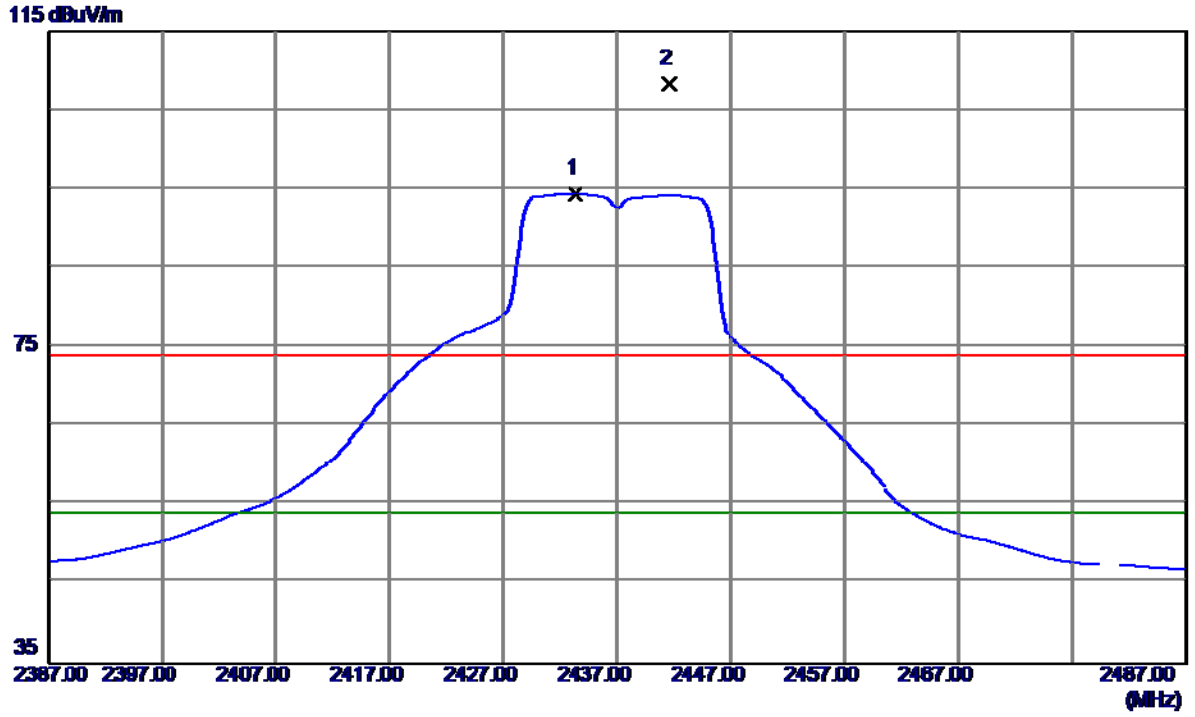
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4872.7500	45.51	5.61	51.12	54.00	-2.88	AVG	
2	4873.4500	62.91	5.61	68.52	74.00	-5.48	Peak	

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

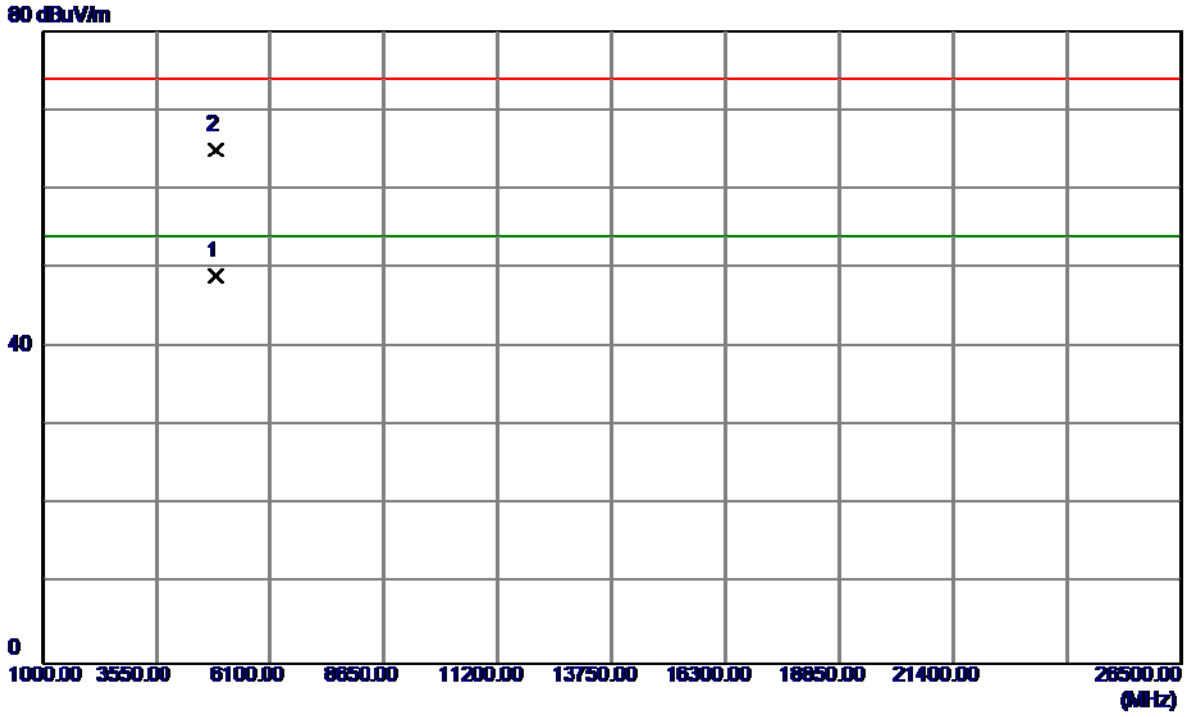
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2433.3000	61.88	32.53	94.41	54.00	40.41	AVG	No Limit
2	2441.6000	75.67	32.56	108.23	74.00	34.23	Peak	No Limit

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

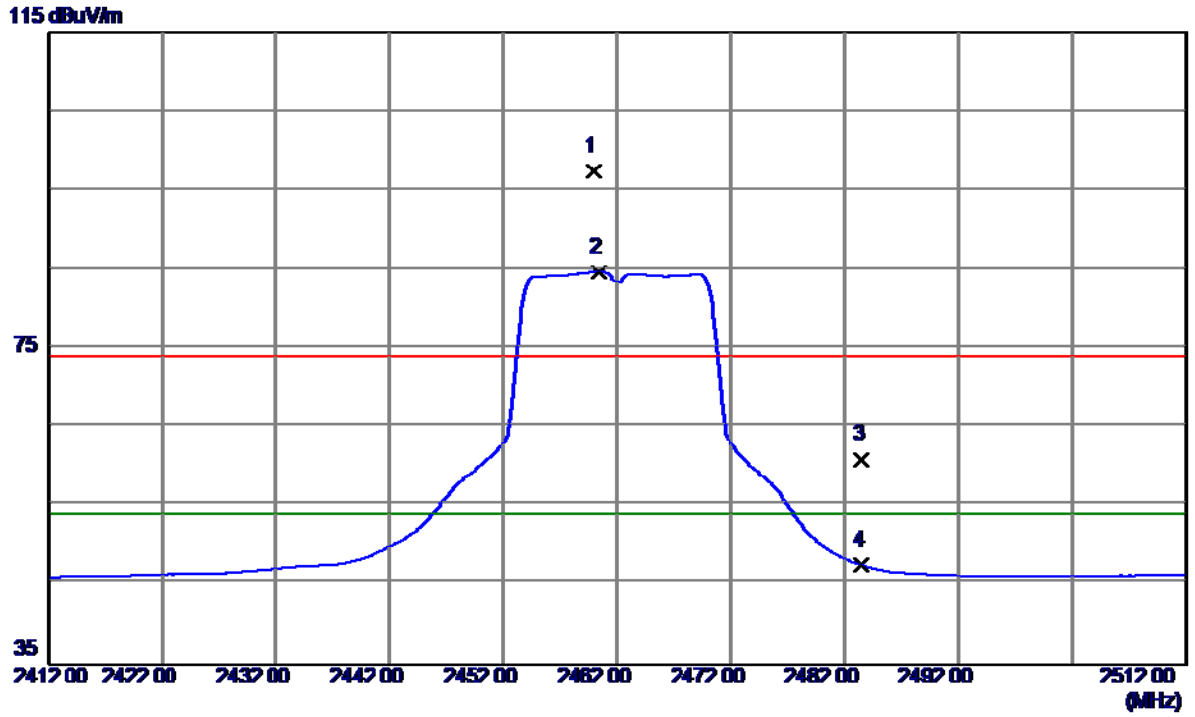
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4872.6220	43.34	5.61	48.95	54.00	-5.05	AVG	
2	4873.1850	59.34	5.61	64.95	74.00	-9.05	Peak	

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

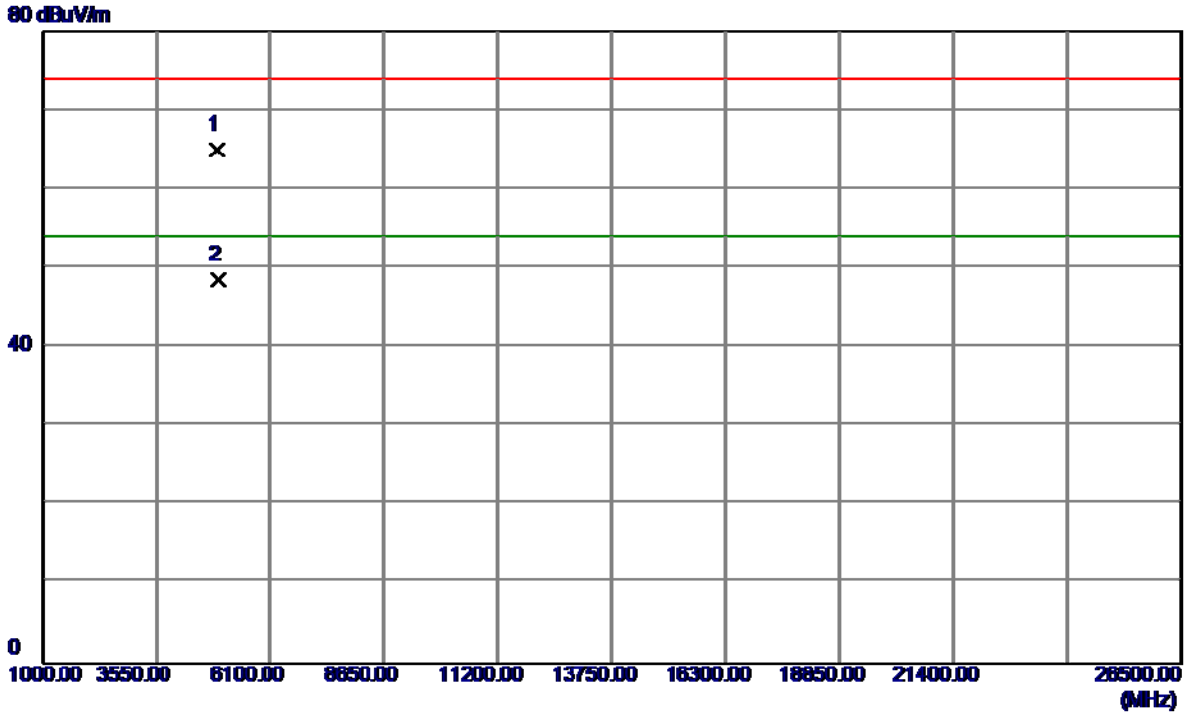
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2460.0000	64.81	32.63	97.44	74.00	23.44	Peak	No Limit
2 *	2460.4000	51.97	32.63	84.60	54.00	30.60	AVG	No Limit
3	2483.5000	28.27	32.71	60.98	74.00	-13.02	Peak	
4	2483.5000	14.85	32.71	47.56	54.00	-6.44	AVG	

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

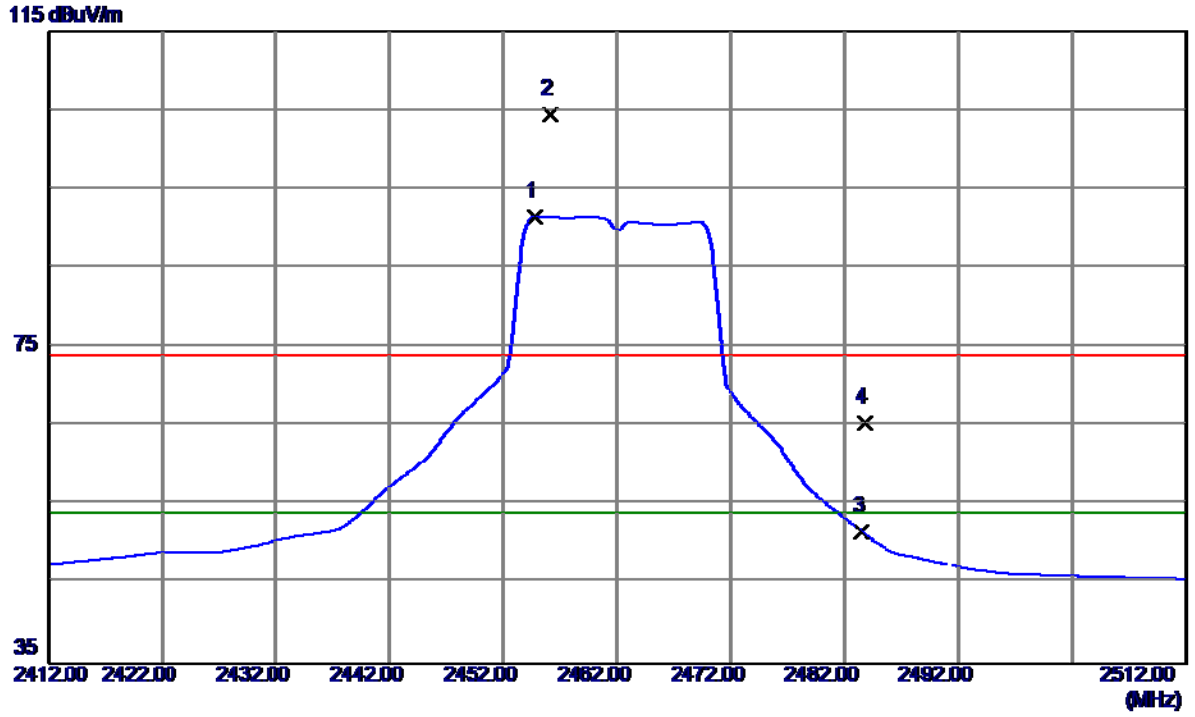
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.1000	59.19	5.75	64.94	74.00	-9.06	Peak	
2 *	4925.0000	42.66	5.75	48.41	54.00	-5.59	AVG	

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

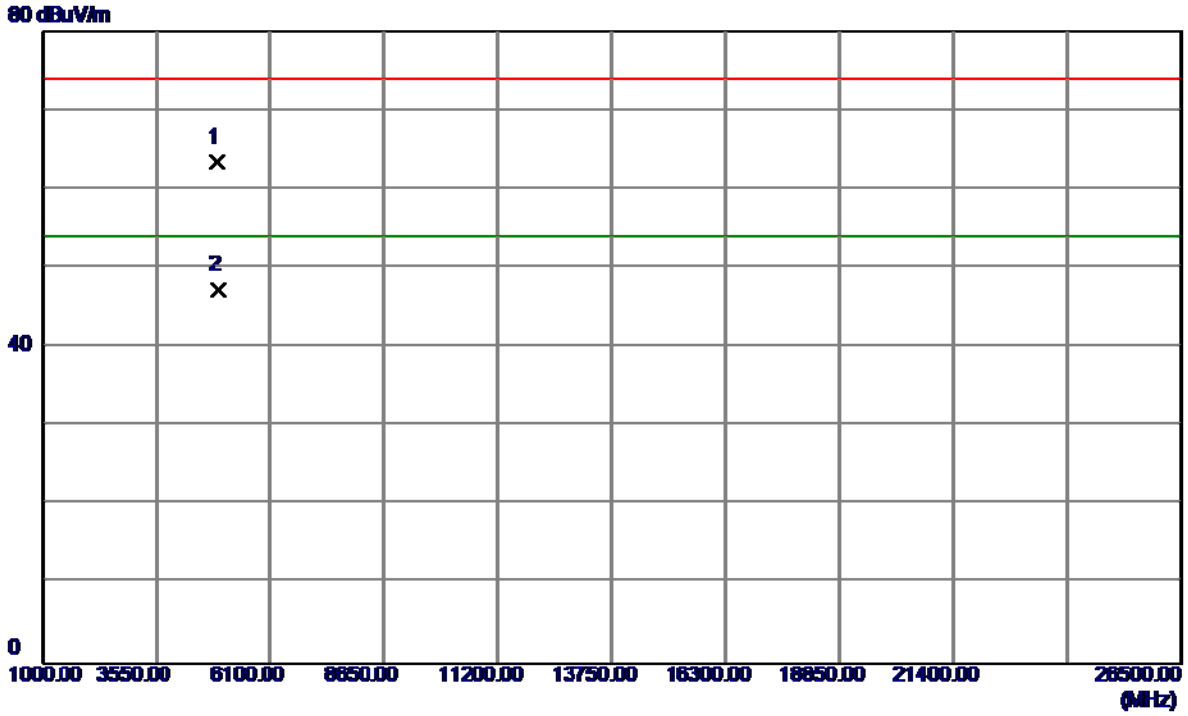
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2454.8000	58.93	32.61	91.54	54.00	37.54	AVG	No Limit
2	2456.1000	71.76	32.61	104.37	74.00	30.37	Peak	No Limit
3	2483.5000	18.97	32.71	51.68	54.00	-2.32	AVG	
4	2483.8000	32.75	32.71	65.46	74.00	-8.54	Peak	

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

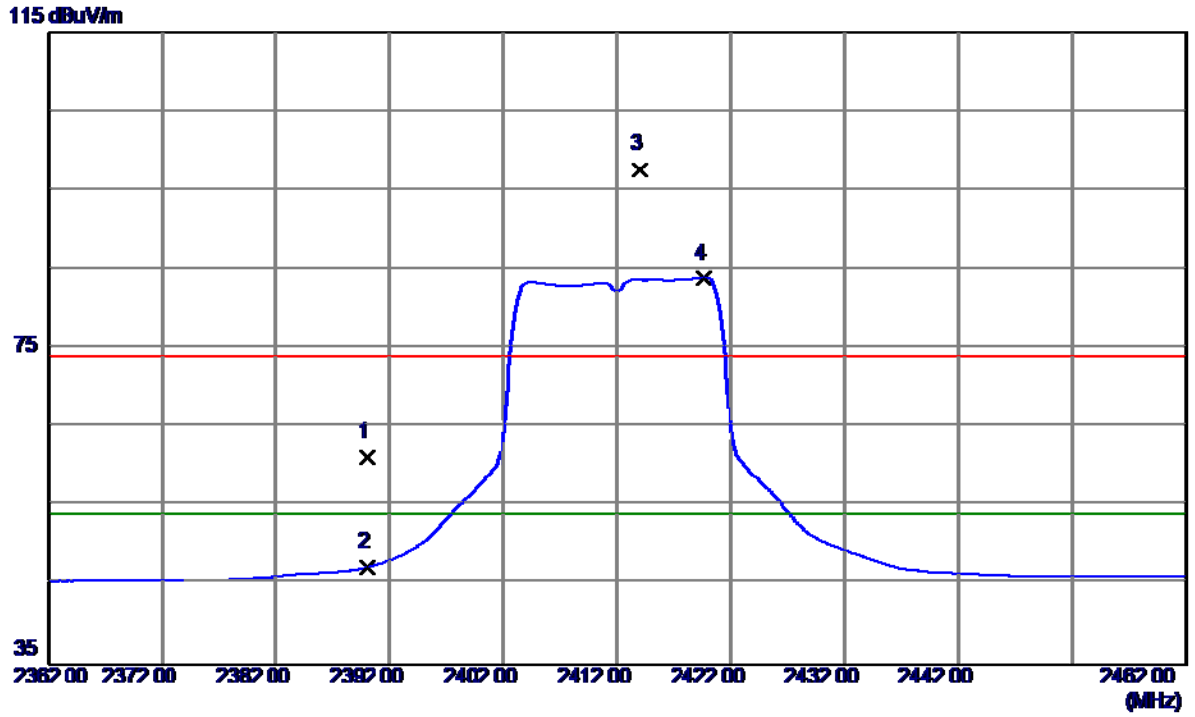
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.1210	57.61	5.75	63.36	74.00	-10.64	Peak	
2 *	4925.4940	41.52	5.75	47.27	54.00	-6.73	AVG	

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

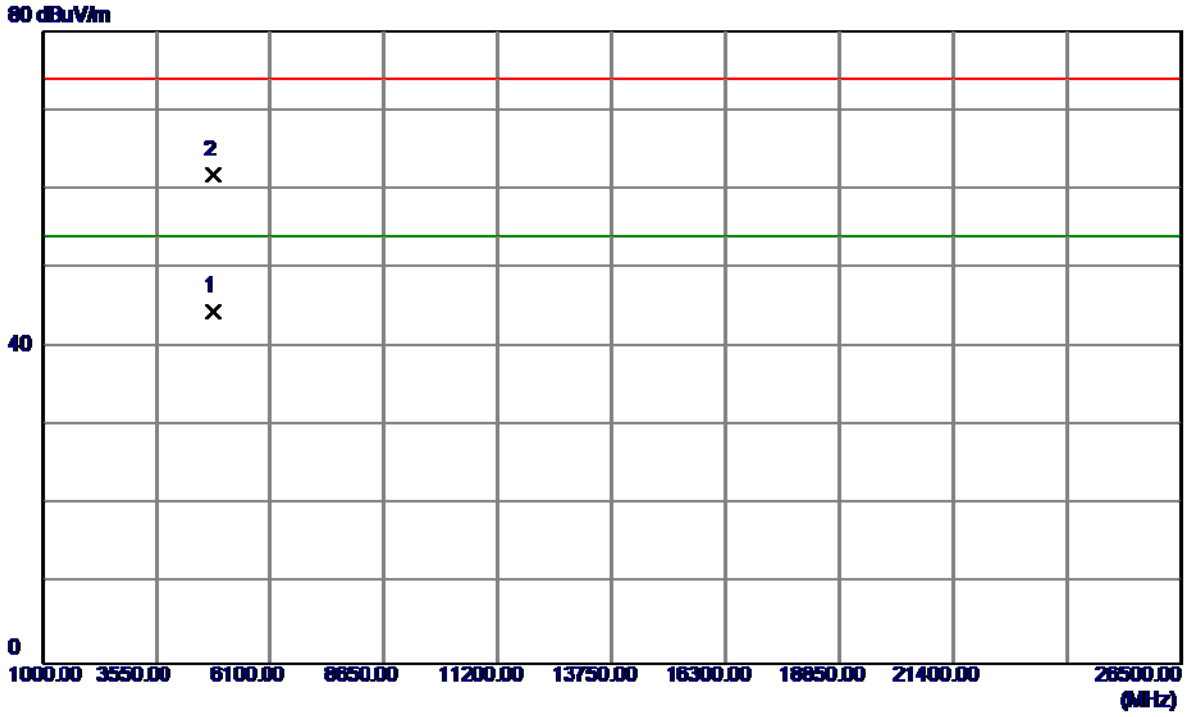
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	28.90	32.38	61.28	74.00	-12.72	Peak	
2	2390.0000	14.97	32.38	47.35	54.00	-6.65	AVG	
3	2414.0000	65.18	32.46	97.64	74.00	23.64	Peak	No Limit
4 *	2419.7000	51.40	32.48	83.88	54.00	29.88	AVG	No Limit

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

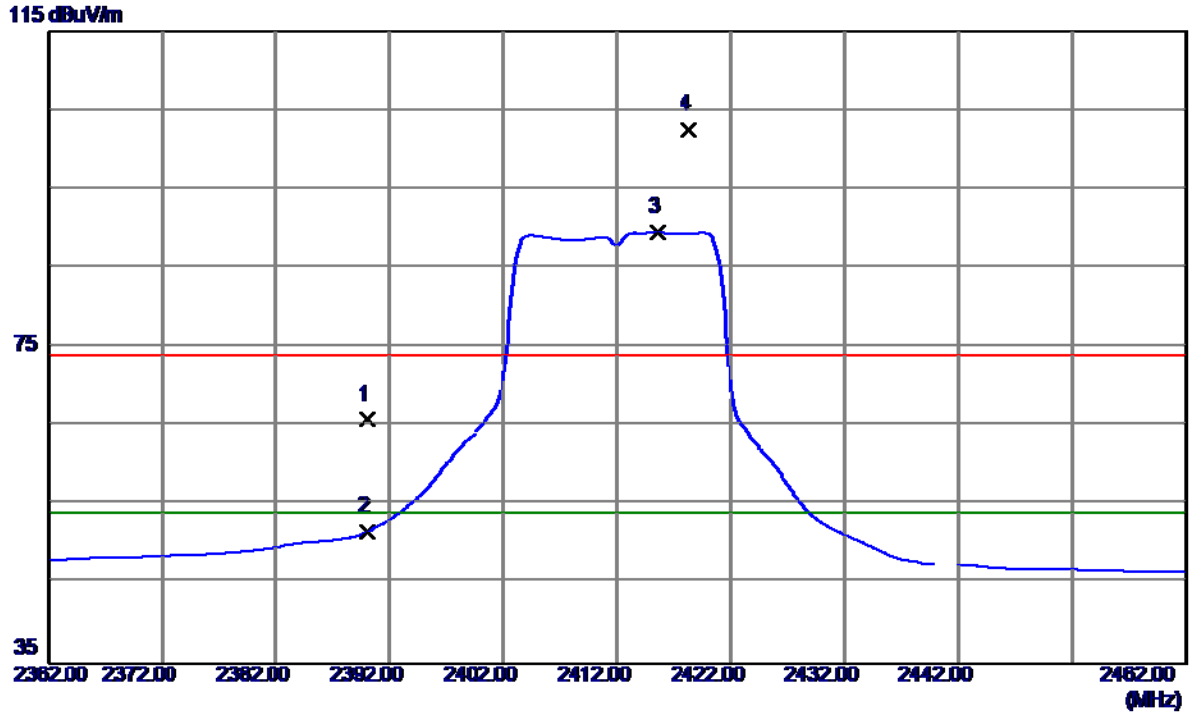
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4825.2500	38.95	5.48	44.43	54.00	-9.57	AVG	
2	4829.2500	56.22	5.49	61.71	74.00	-12.29	Peak	

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

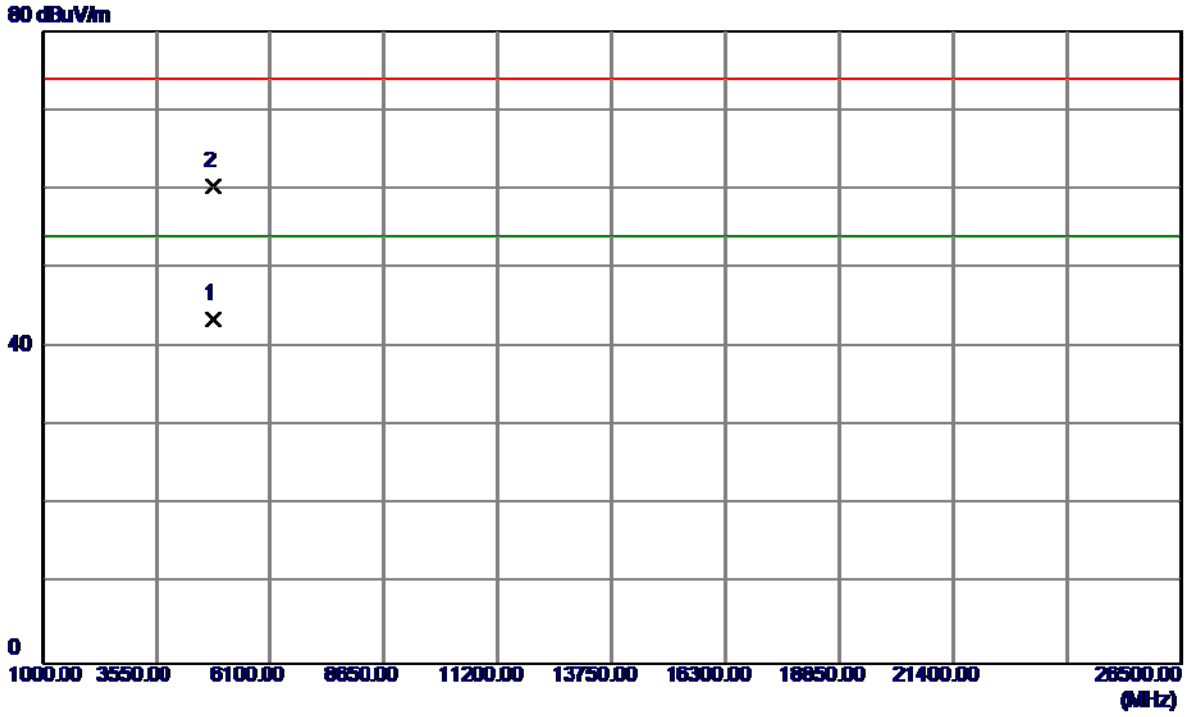
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	33.42	32.38	65.80	74.00	-8.20	Peak	
2	2390.0000	19.27	32.38	51.65	54.00	-2.35	AVG	
3 *	2415.6000	57.03	32.47	89.50	54.00	35.50	AVG	No Limit
4	2418.3000	70.07	32.48	102.55	74.00	28.55	Peak	No Limit

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

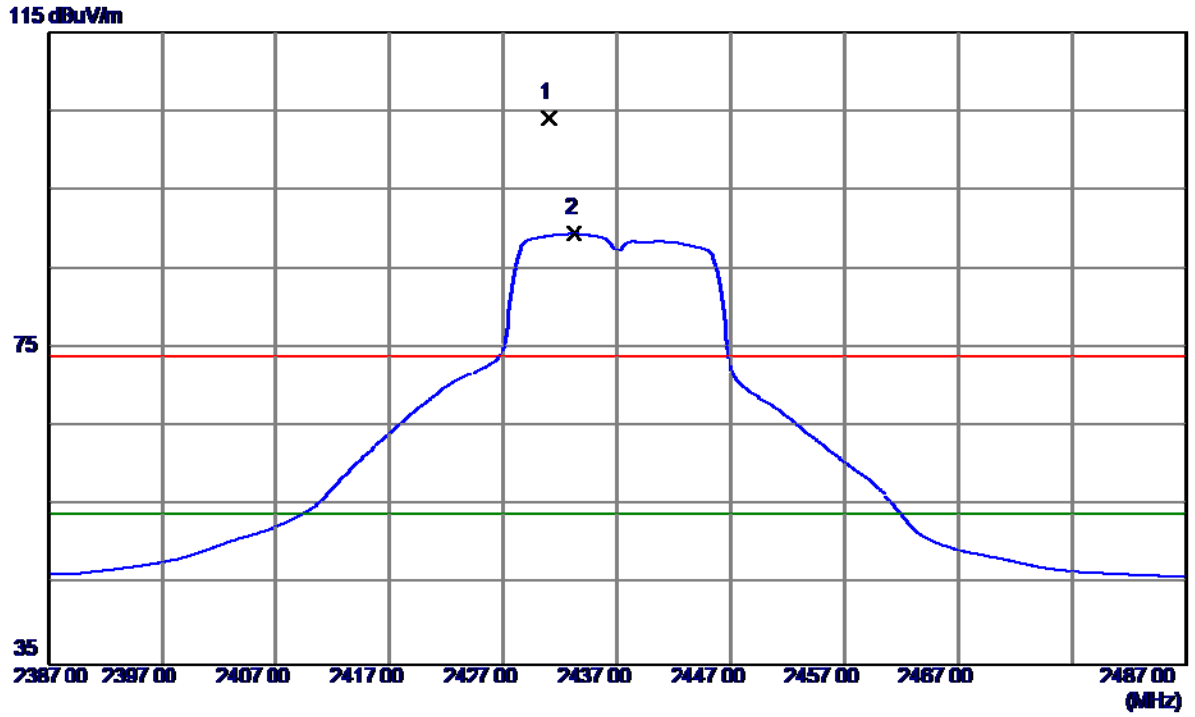
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4825.8620	38.02	5.48	43.50	54.00	-10.50	AVG	
2	4829.2000	54.87	5.49	60.36	74.00	-13.64	Peak	

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

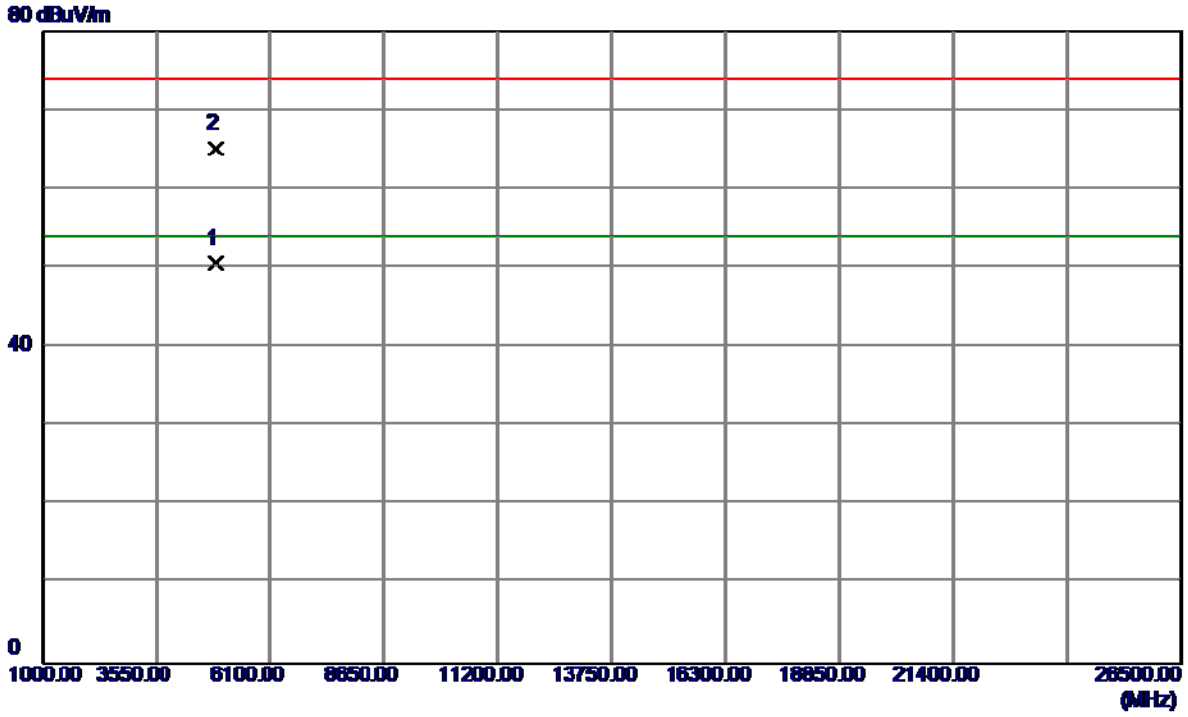
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2431.0000	71.54	32.52	104.06	74.00	30.06	Peak	No Limit
2 *	2433.2000	56.98	32.53	89.51	54.00	35.51	AVG	No Limit

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

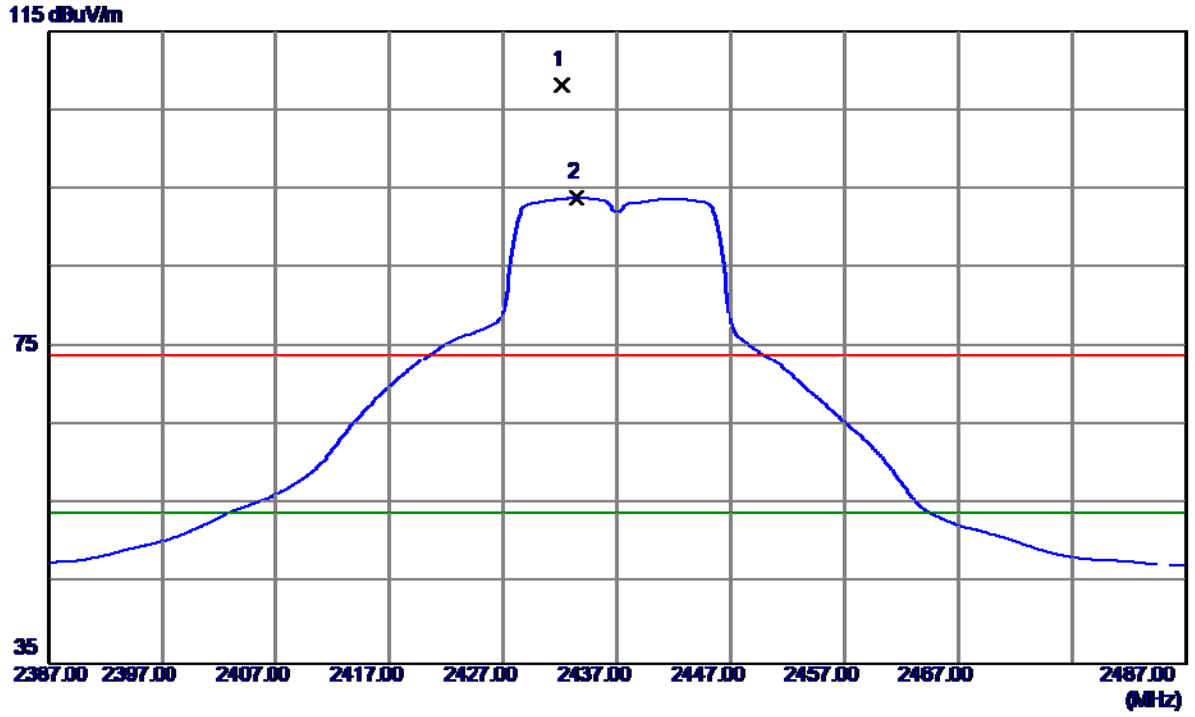
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4872.7500	44.96	5.61	50.57	54.00	-3.43	AVG	
2	4874.8500	59.52	5.61	65.13	74.00	-8.87	Peak	

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

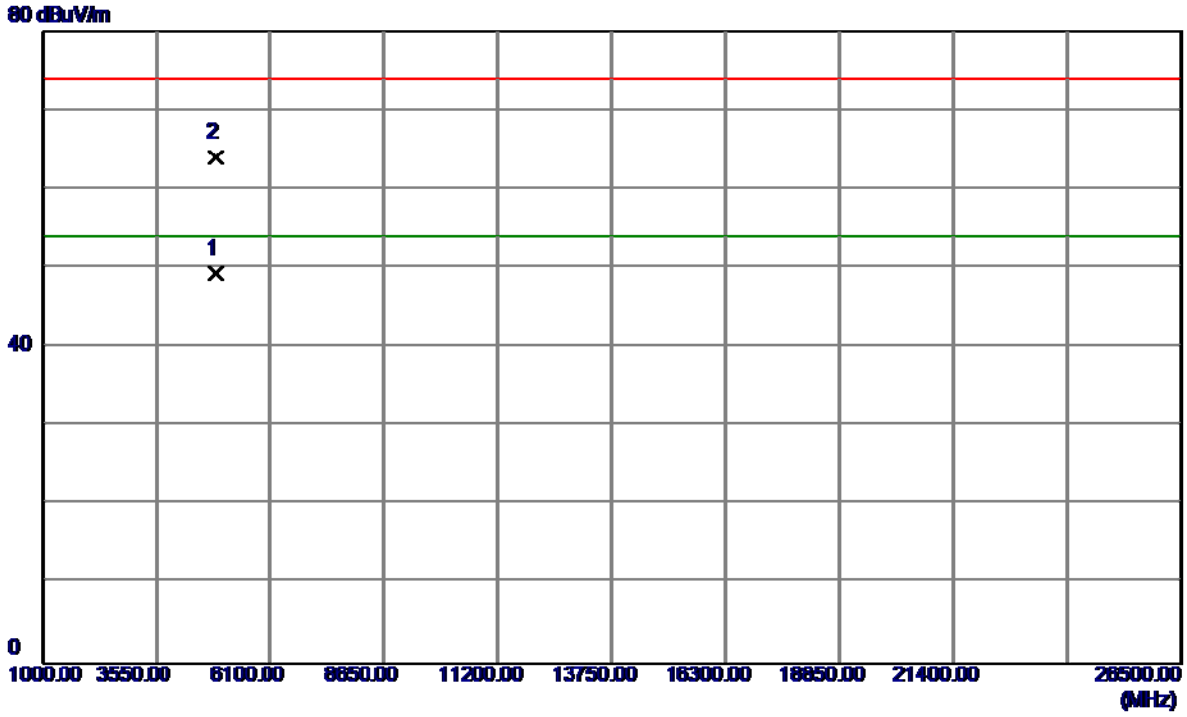
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2432.1000	75.55	32.53	108.08	74.00	34.08	Peak	No Limit
2 *	2433.4000	61.36	32.53	93.89	54.00	39.89	AVG	No Limit

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

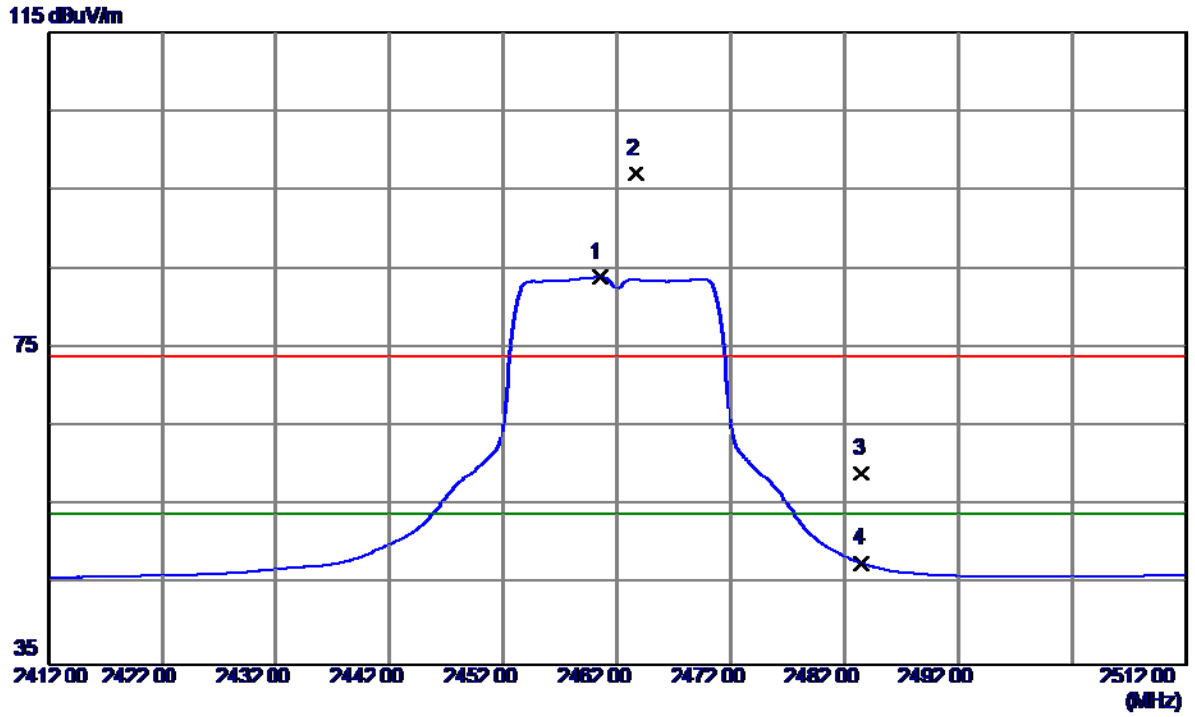
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4872.1340	43.68	5.60	49.28	54.00	-4.72	AVG	
2	4874.9180	58.34	5.61	63.95	74.00	-10.05	Peak	

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

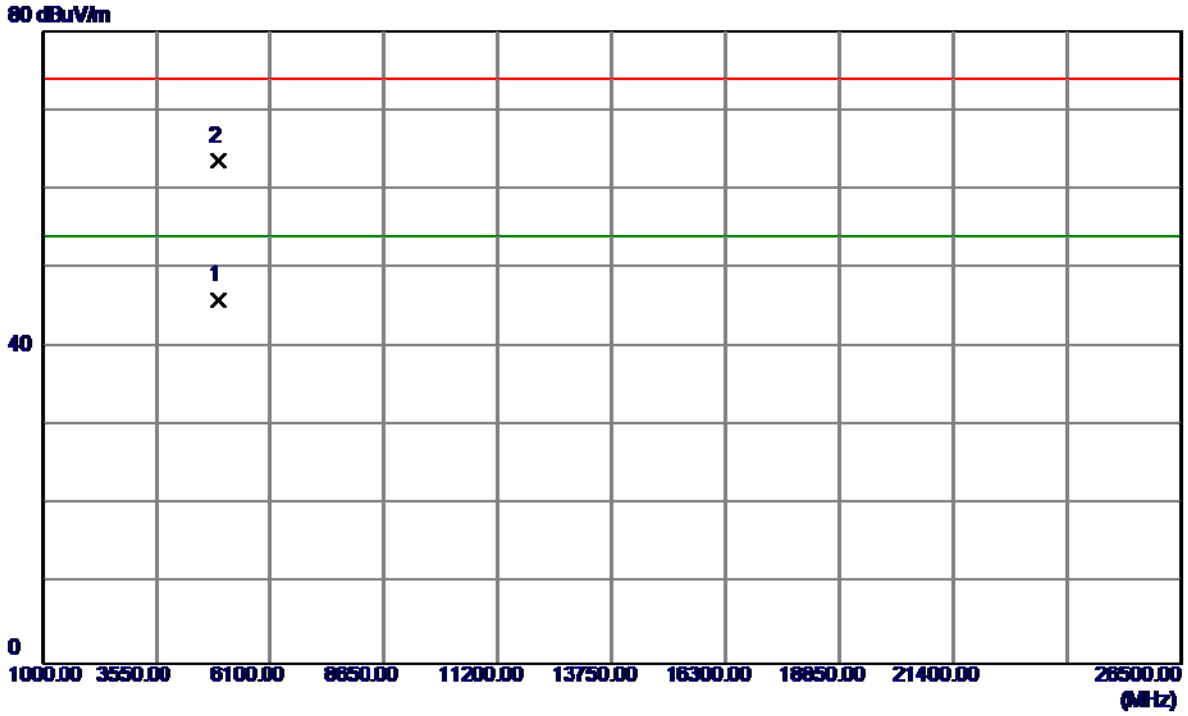
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2460.5000	51.29	32.63	83.92	54.00	29.92	AVG	No Limit
2	2463.7000	64.48	32.64	97.12	74.00	23.12	Peak	No Limit
3	2483.5000	26.42	32.71	59.13	74.00	-14.87	Peak	
4	2483.5000	15.12	32.71	47.83	54.00	-6.17	AVG	

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

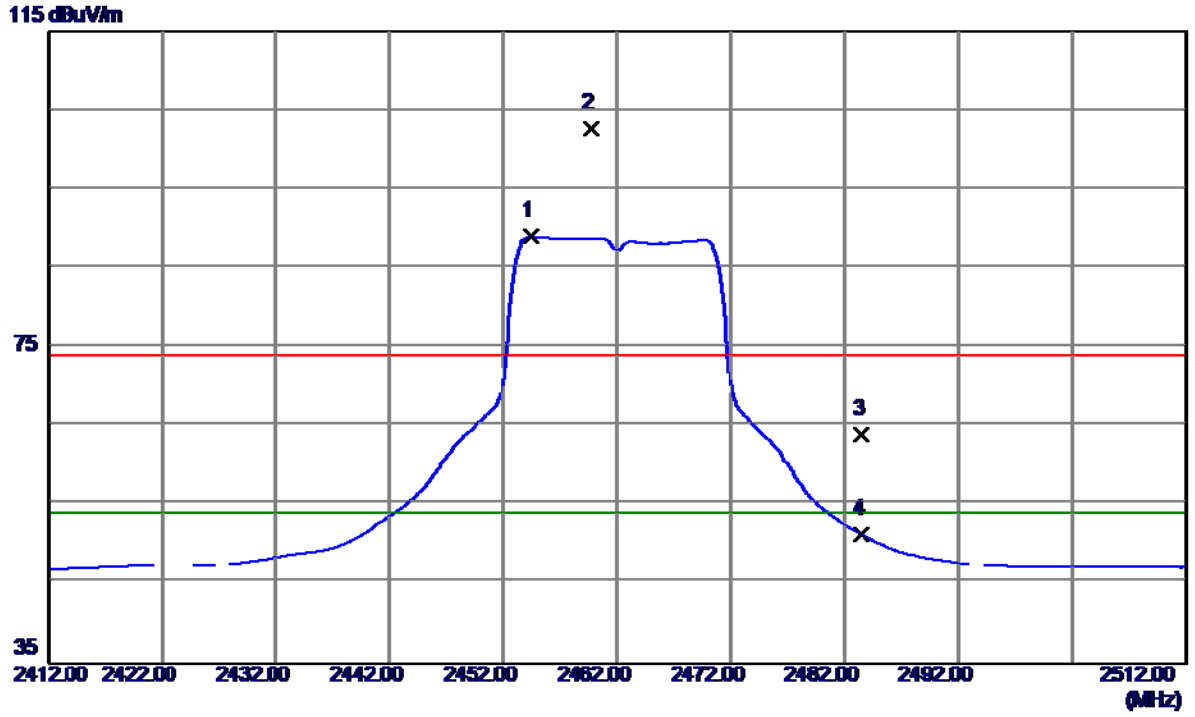
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4925.2000	40.17	5.75	45.92	54.00	-8.08	AVG	
2	4926.5000	57.76	5.75	63.51	74.00	-10.49	Peak	

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

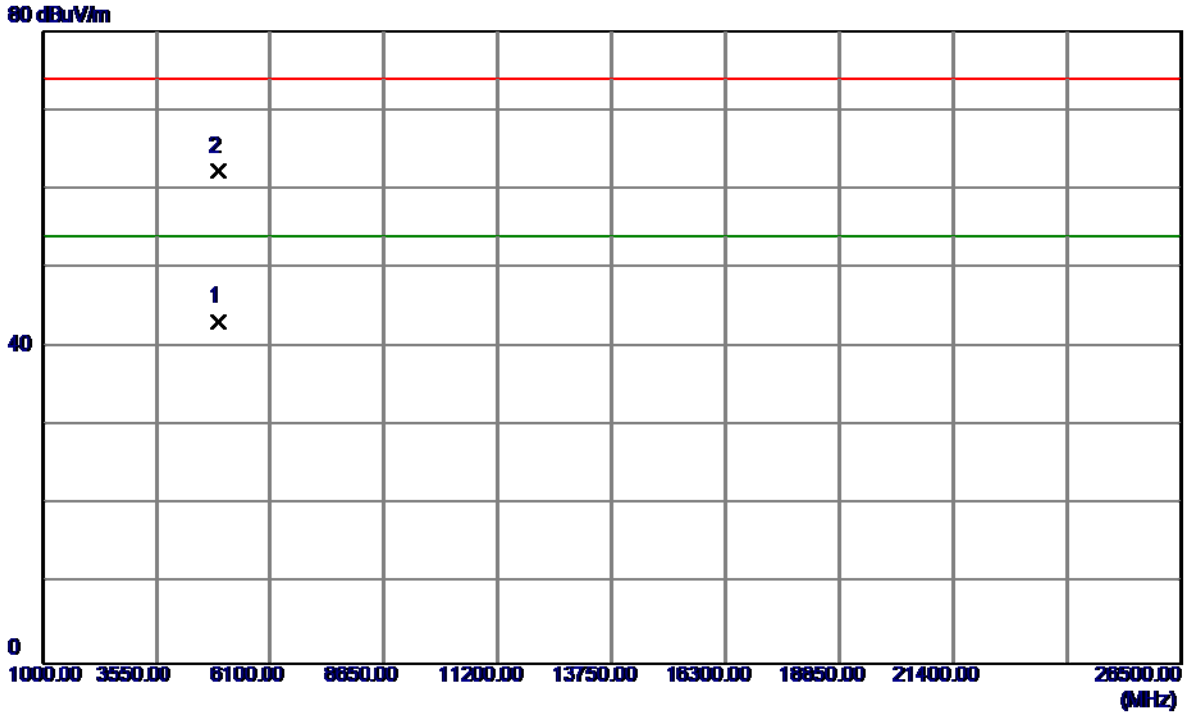
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2454.4000	56.40	32.61	89.01	54.00	35.01	AVG	No Limit
2	2459.8000	70.04	32.63	102.67	74.00	28.67	Peak	No Limit
3	2483.5000	31.30	32.71	64.01	74.00	-9.99	Peak	
4	2483.5000	18.56	32.71	51.27	54.00	-2.73	AVG	

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

Horizontal



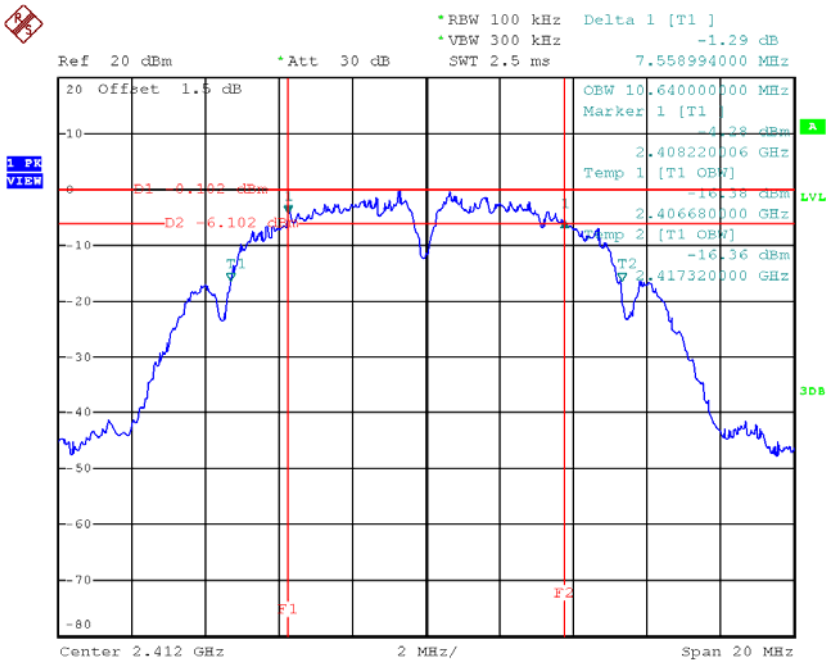
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4925.3809	37.51	5.75	43.26	54.00	-10.74	AVG	
2	4926.2270	56.47	5.75	62.22	74.00	-11.78	Peak	

ATTACHMENT E - BANDWIDTH

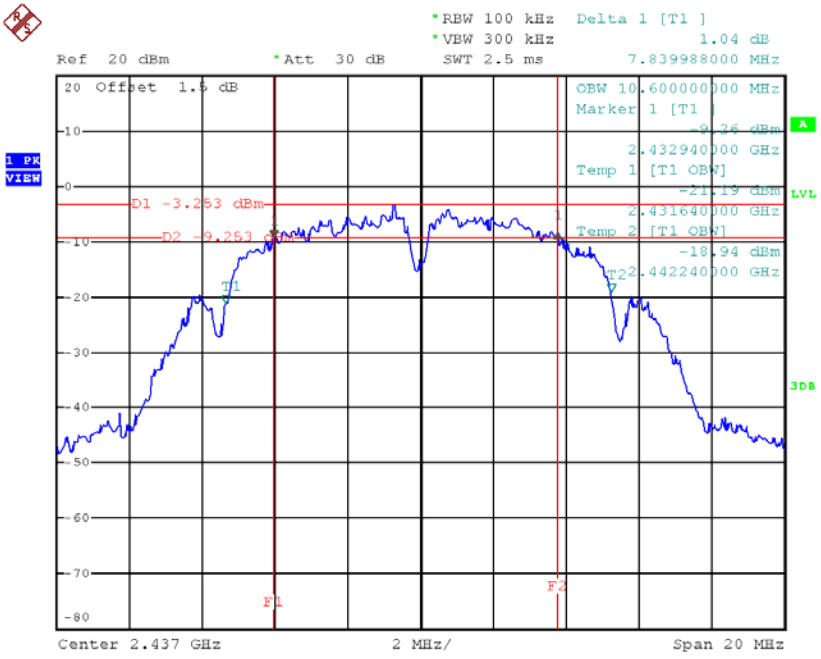
Test Mode : TX B Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	7.56	10.64	500	Complies
2437	7.84	10.6	500	Complies
2462	8.3	10.6	500	Complies

TX CH01

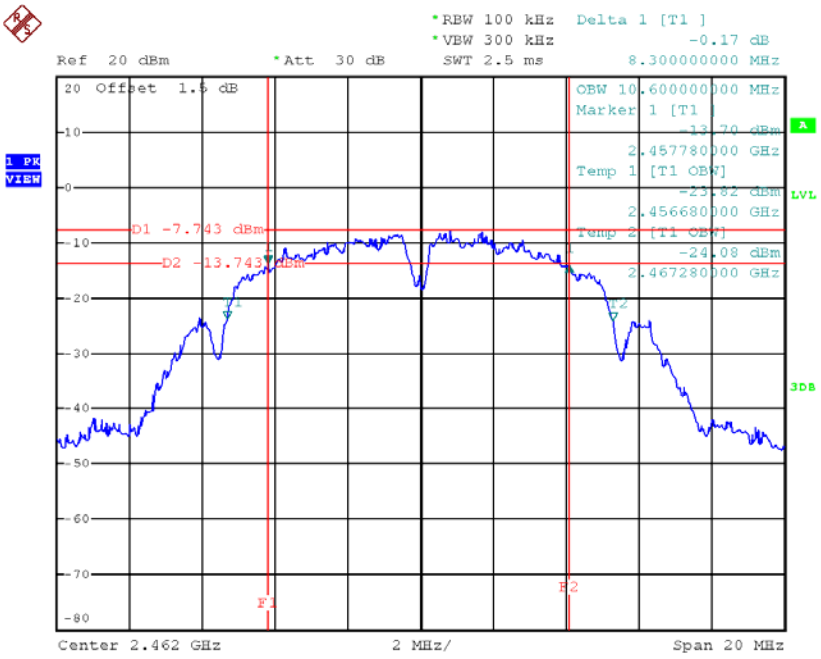


TX CH06



Date: 16.JUN.2017 16:23:53

TX CH11

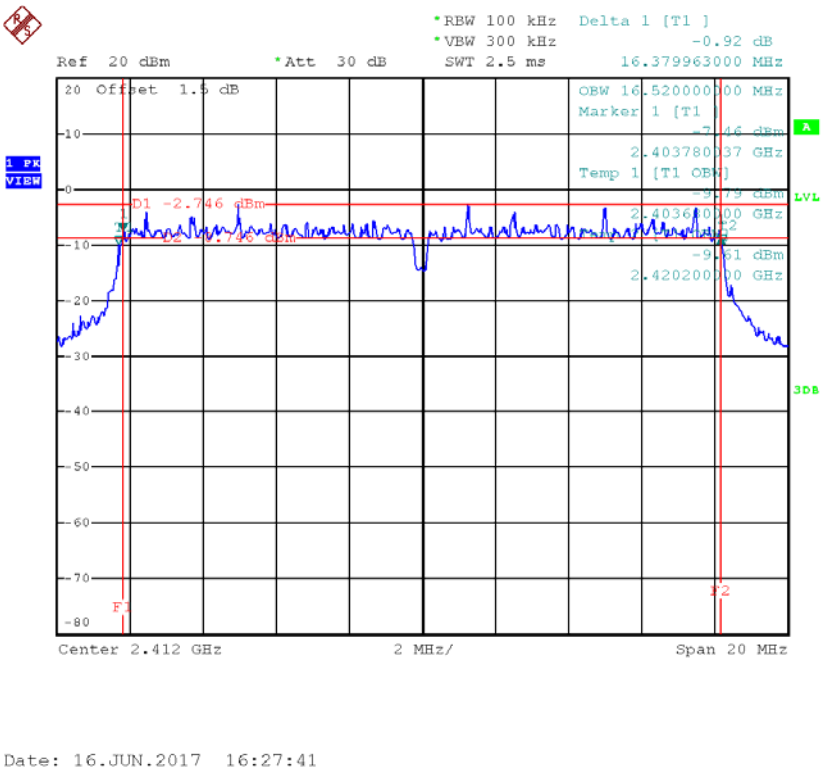


Date: 16.JUN.2017 16:26:13

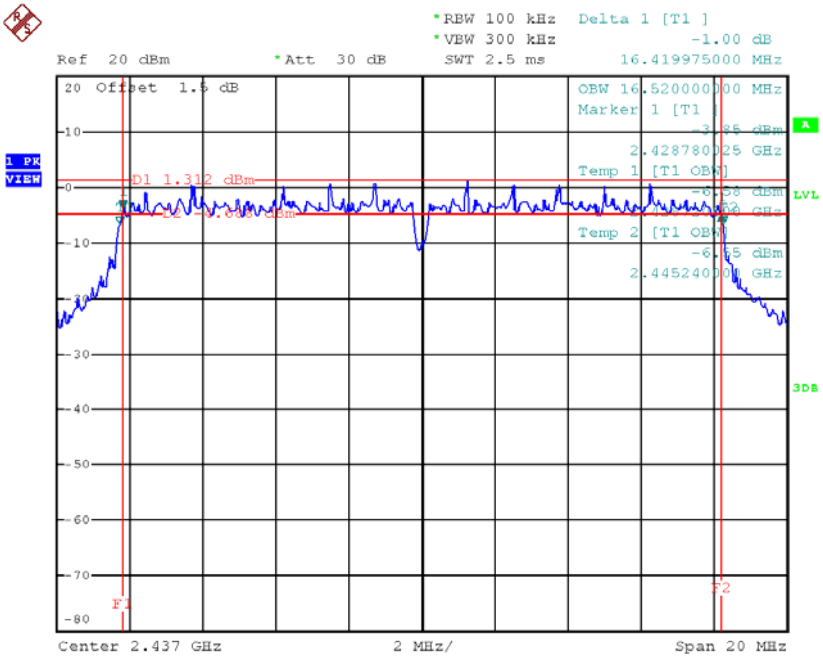
Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.38	16.52	500	Complies
2437	16.42	16.52	500	Complies
2462	16.45	16.56	500	Complies

TX CH01

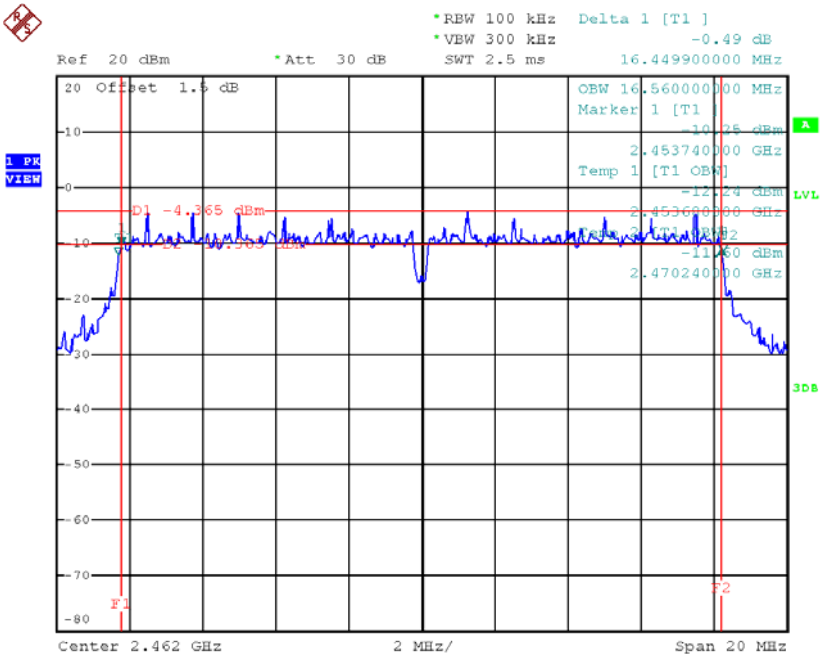


TX CH06



Date: 16.JUN.2017 16:29:26

TX CH11

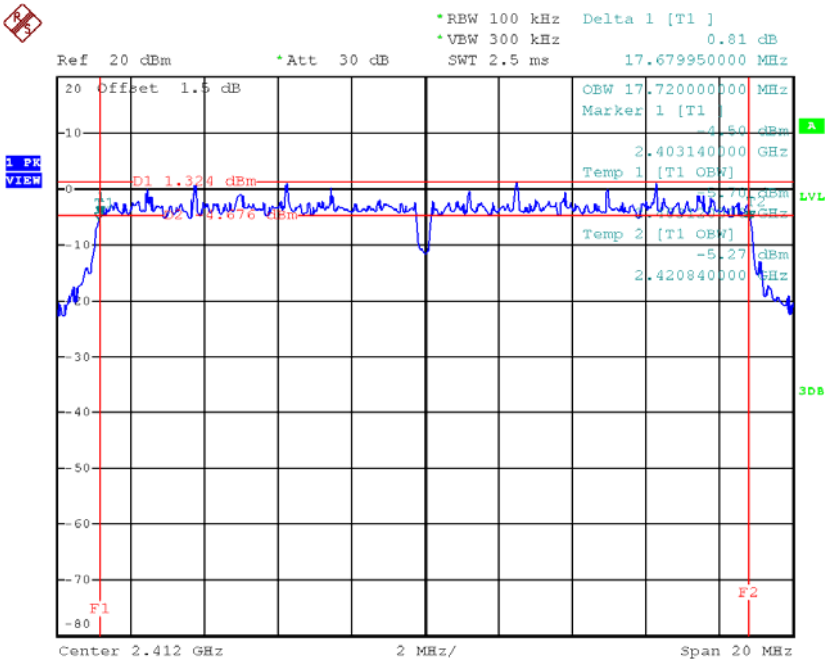


Date: 16.JUN.2017 16:30:55

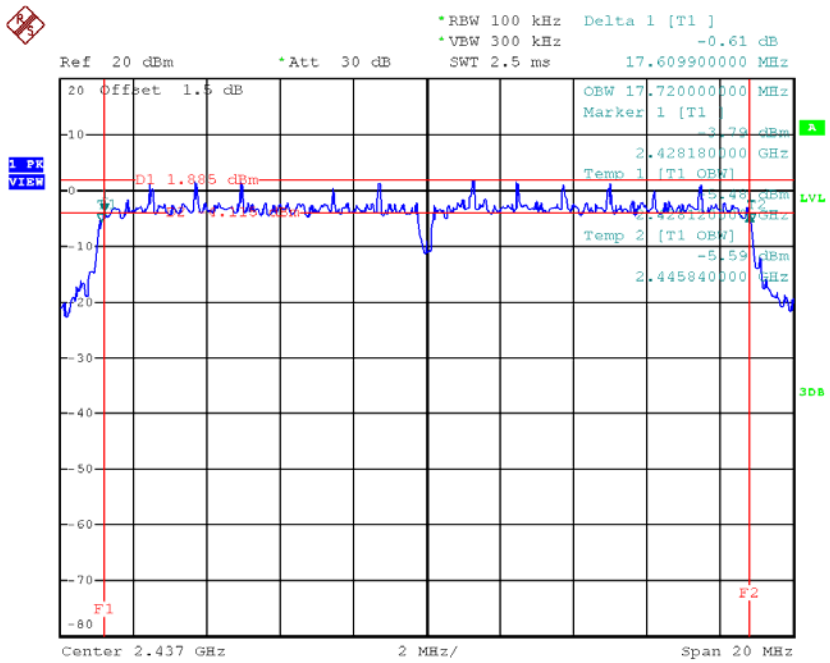
Test Mode : TX N-20MHz Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.68	17.72	500	Complies
2437	17.61	17.72	500	Complies
2462	17.67	17.72	500	Complies

TX CH01

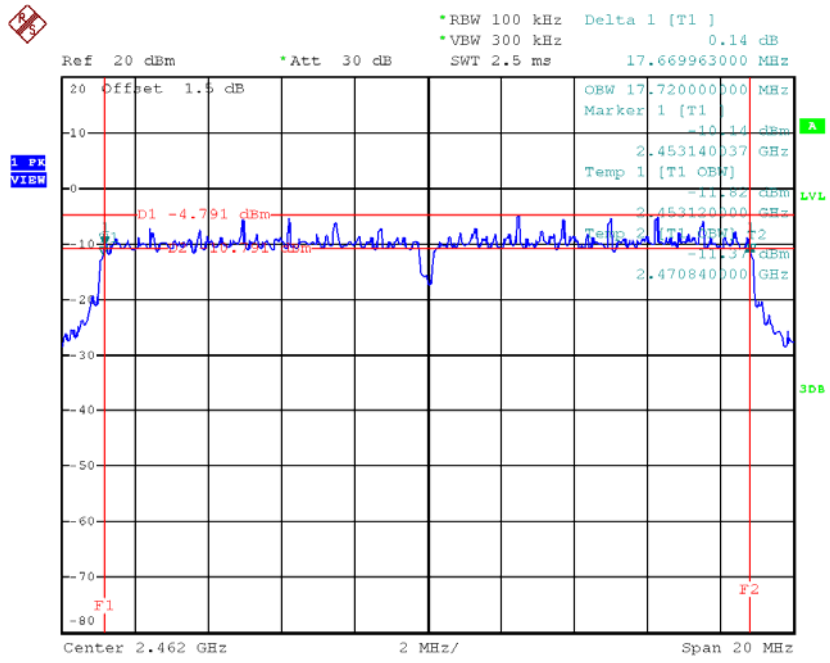


TX CH06



Date: 16.JUN.2017 16:33:46

TX CH11



Date: 16.JUN.2017 16:35:01

ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode :TX B Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	15.44	0.03	30.00	1.00	Complies
2437	12.67	0.02	30.00	1.00	Complies
2462	11.22	0.01	30.00	1.00	Complies

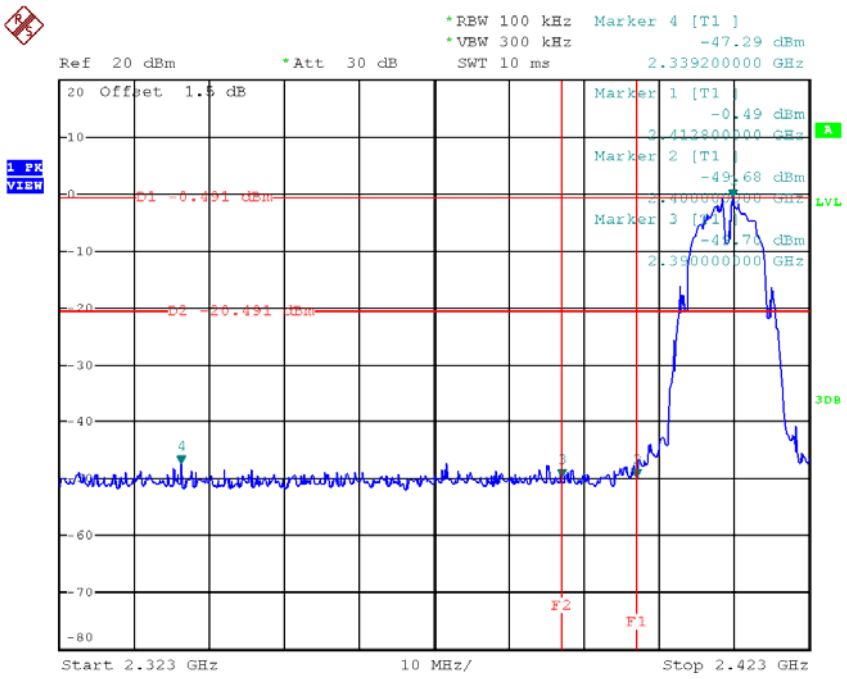
Test Mode :TX G Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.37	0.14	30.00	1.00	Complies
2437	24.46	0.28	30.00	1.00	Complies
2462	19.38	0.09	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.87	0.31	30.00	1.00	Complies
2437	24.93	0.31	30.00	1.00	Complies
2462	19.68	0.09	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

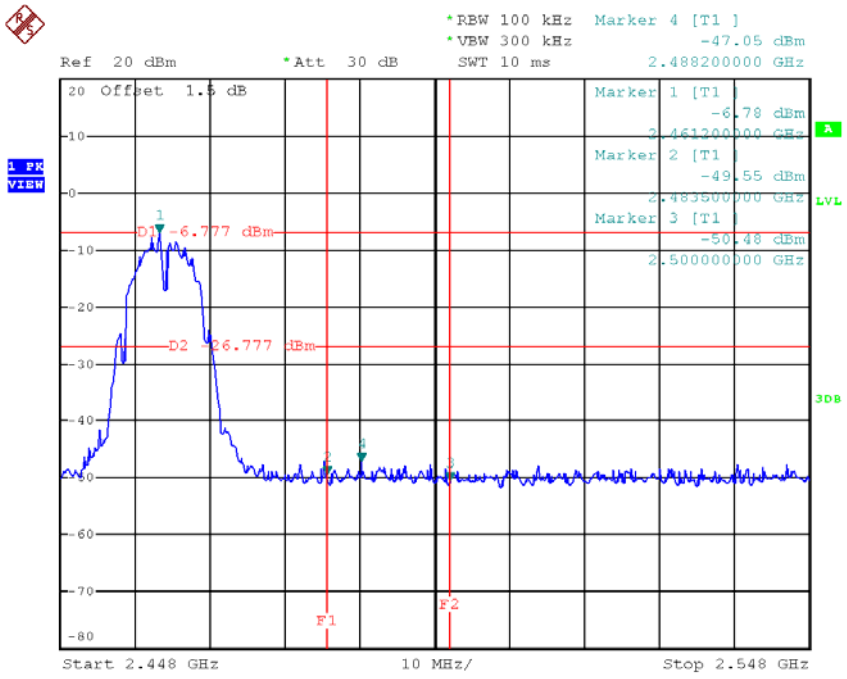
Test Mode :	TX B Mode

TX B mode CH01



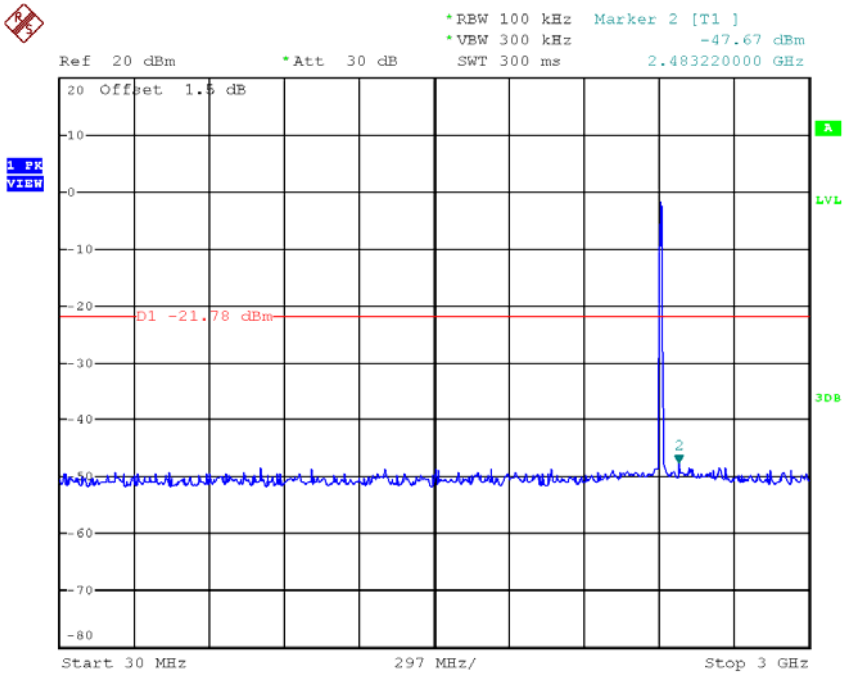
Date: 16.JUN.2017 16:17:22

TX B mode CH11

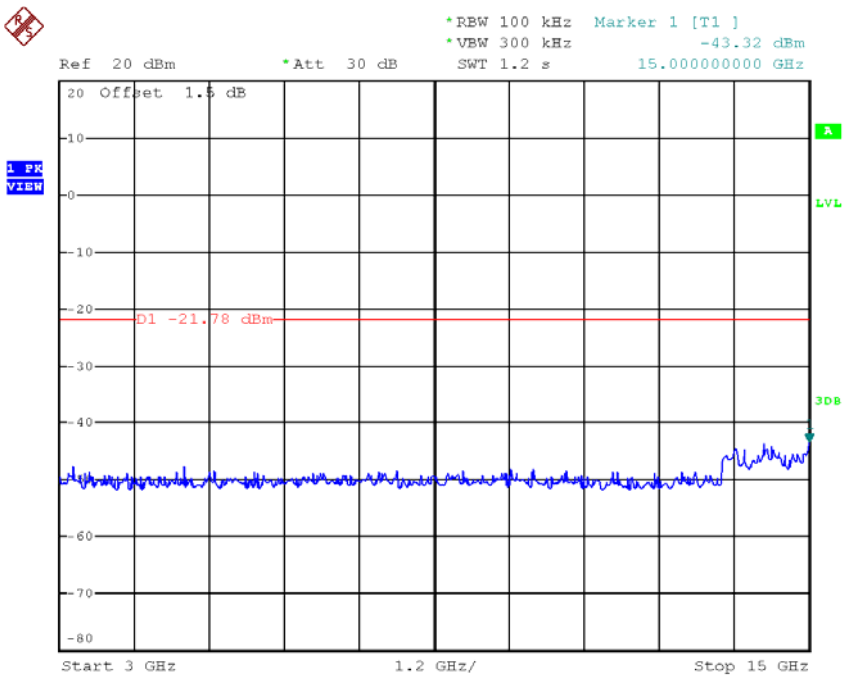


Date: 16.JUN.2017 16:26:50

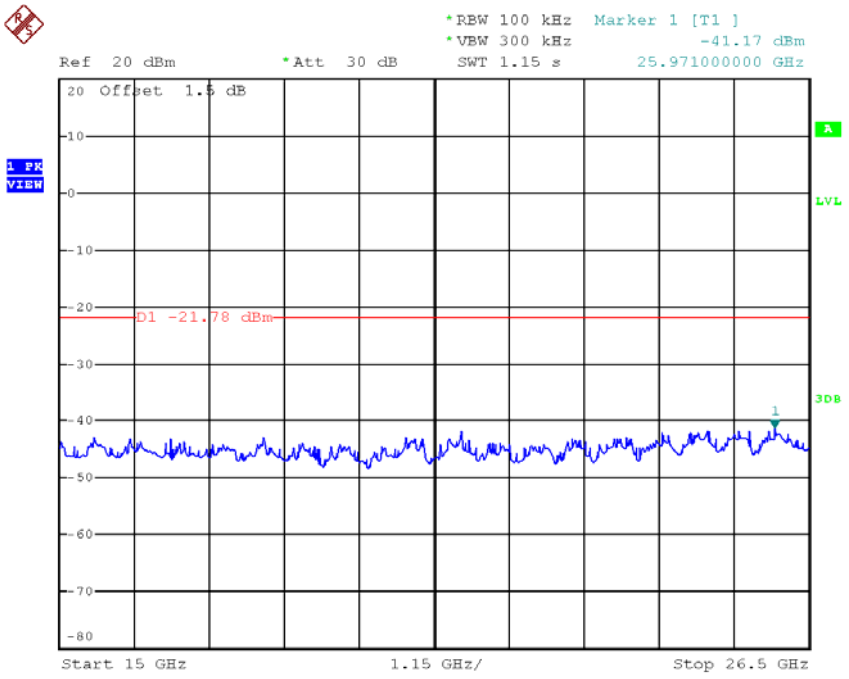
TX B mode CH01 (10 Harmonic of the frequency)



Date: 16.JUN.2017 16:16:58

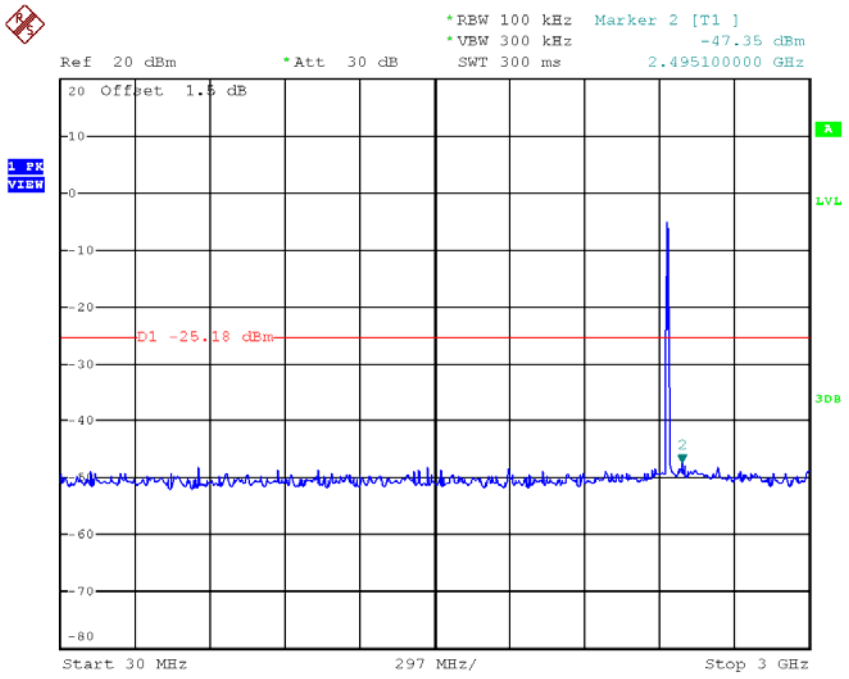


Date: 16.JUN.2017 16:17:06

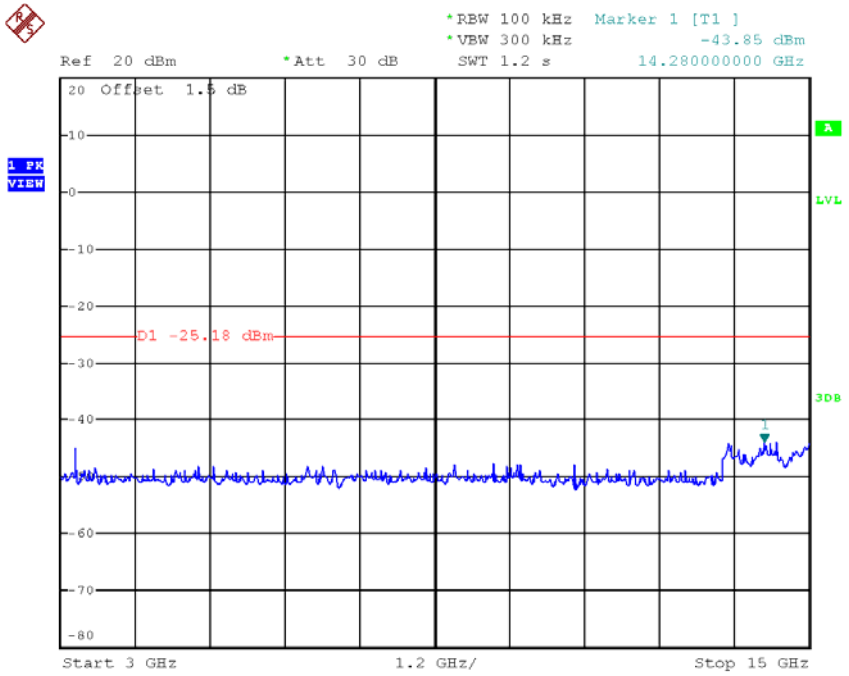


Date: 16.JUN.2017 16:17:14

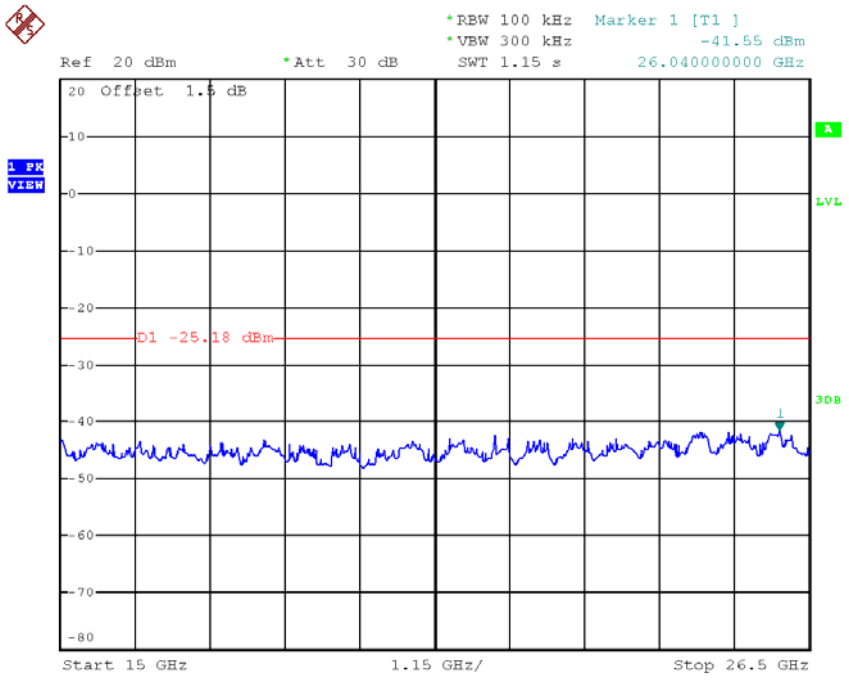
TX B mode CH06 (10 Harmonic of the frequency)



Date: 16.JUN.2017 16:24:07

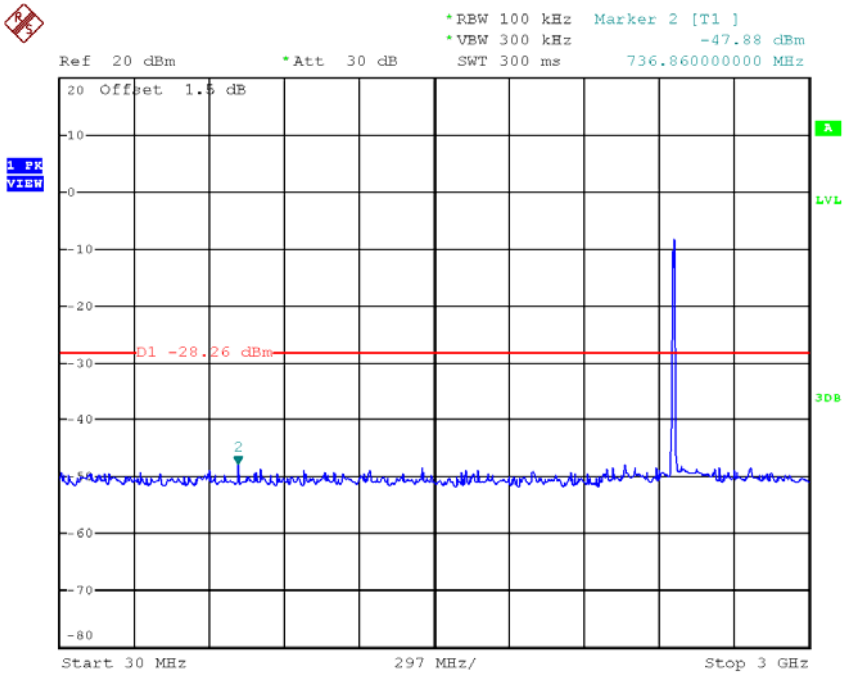


Date: 16.JUN.2017 16:24:15

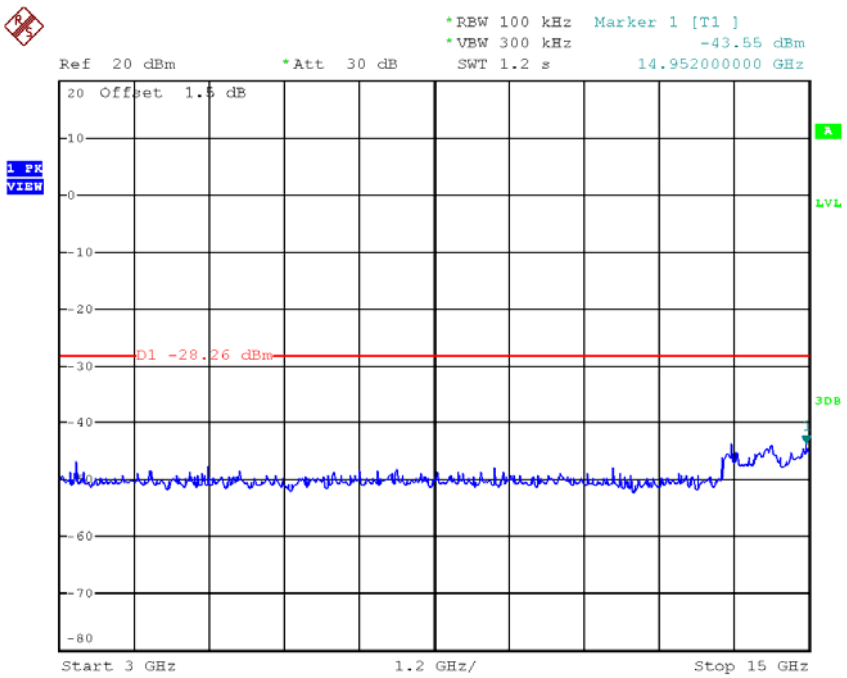


Date: 16.JUN.2017 16:24:22

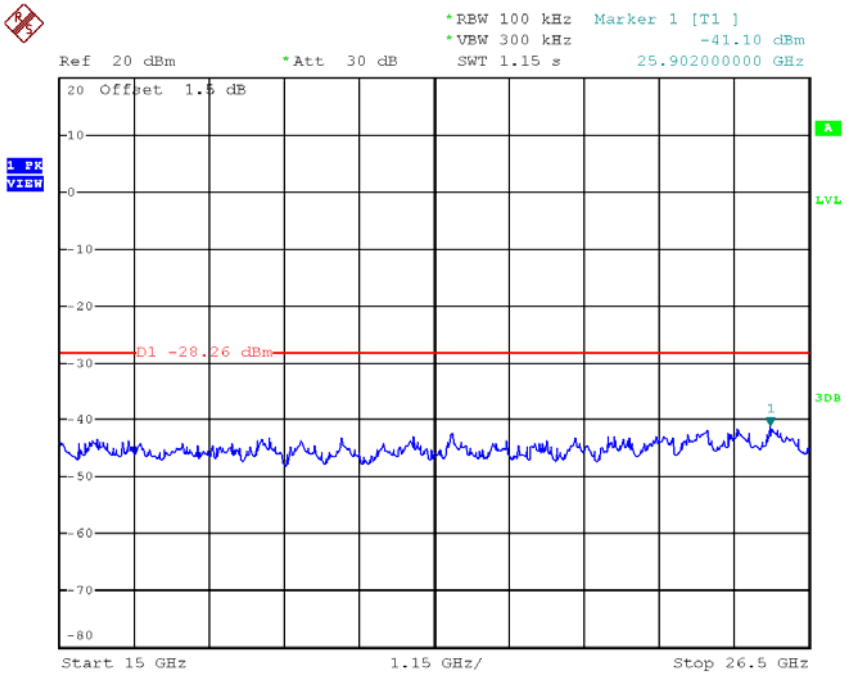
TX B mode CH11 (10 Harmonic of the frequency)



Date: 16.JUN.2017 16:26:27



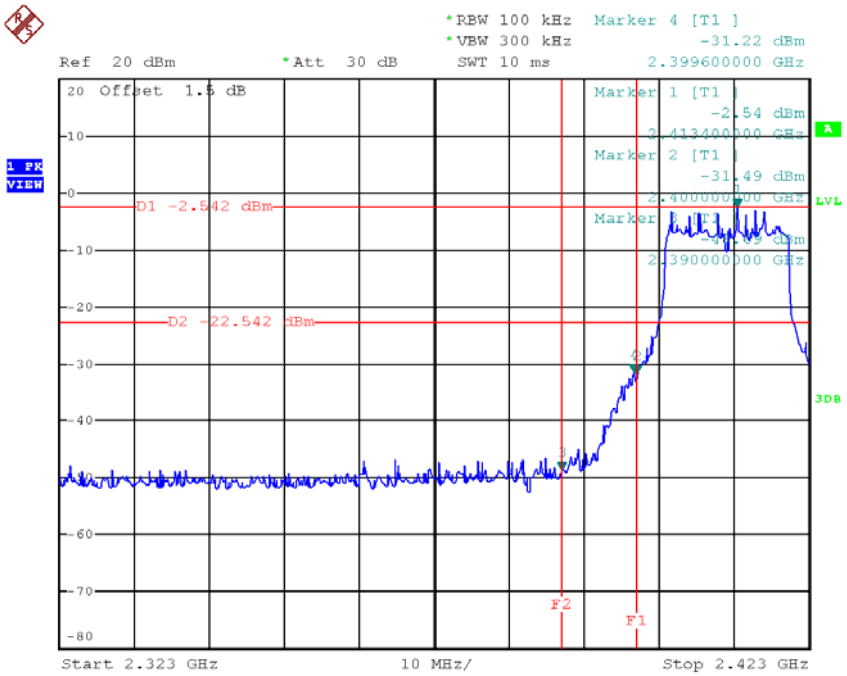
Date: 16.JUN.2017 16:26:34



Date: 16.JUN.2017 16:26:42

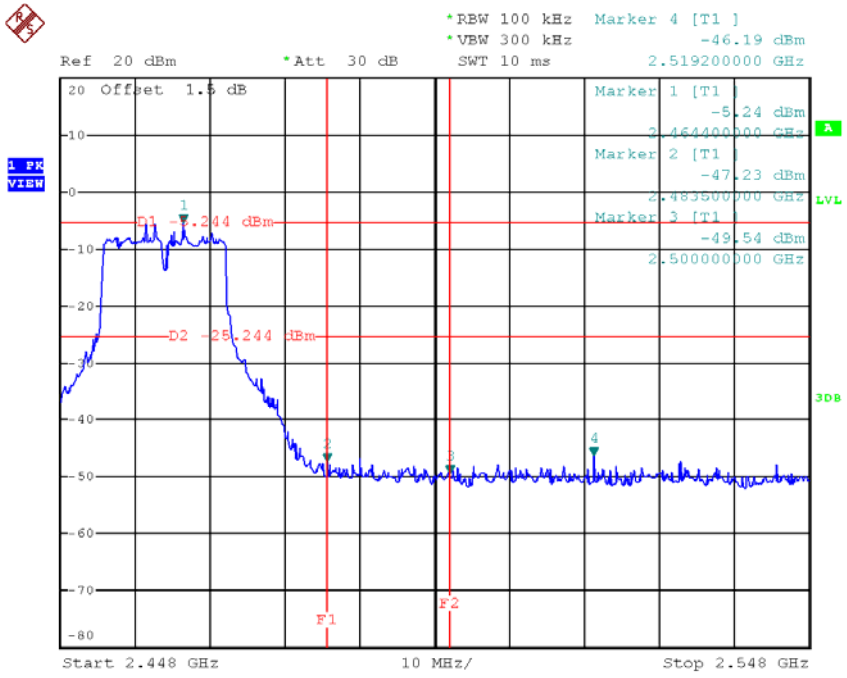
Test Mode :	TX G Mode

TX G mode CH01



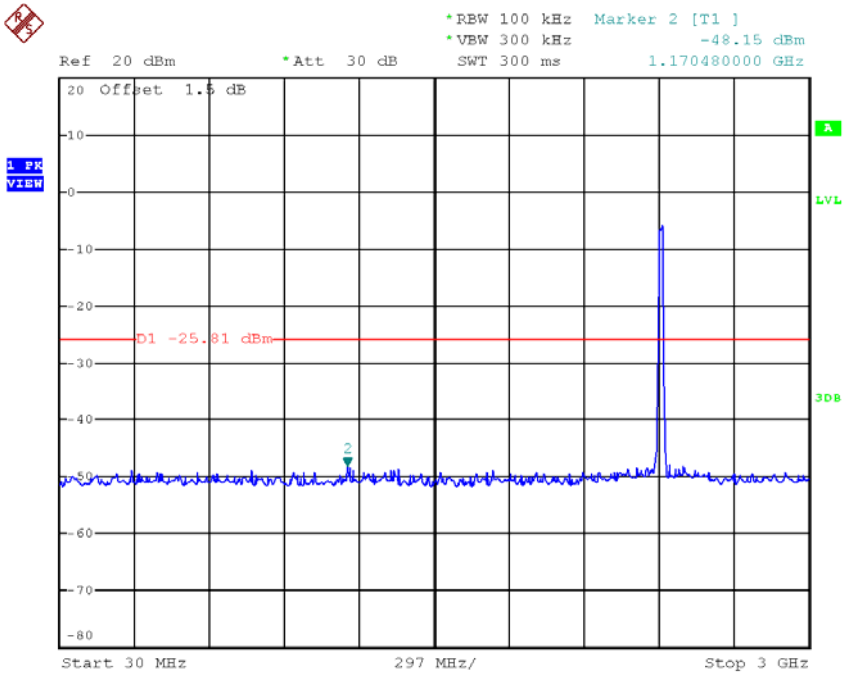
Date: 16.JUN.2017 16:28:18

TX G mode CH11

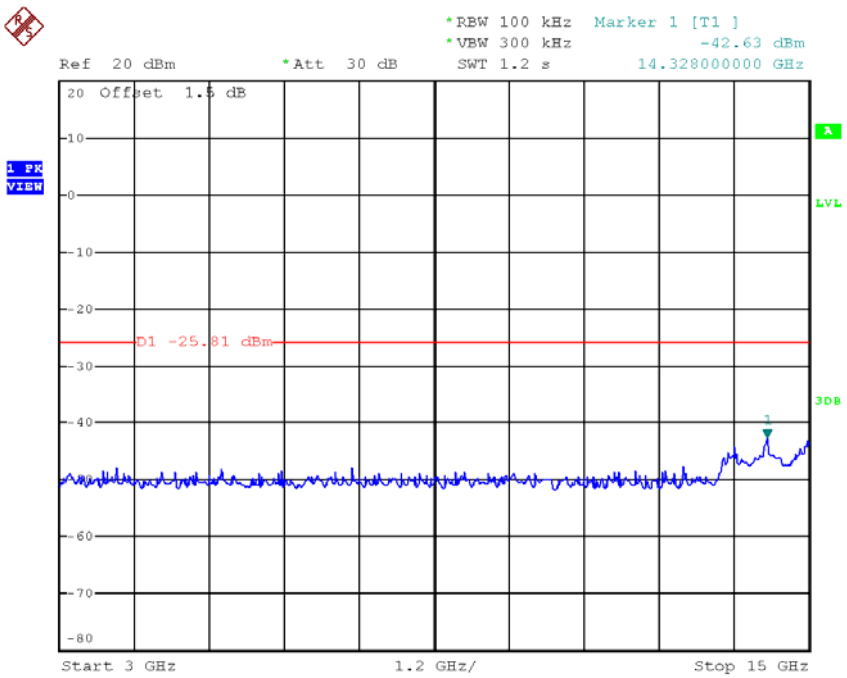


Date: 16.JUN.2017 16:31:32

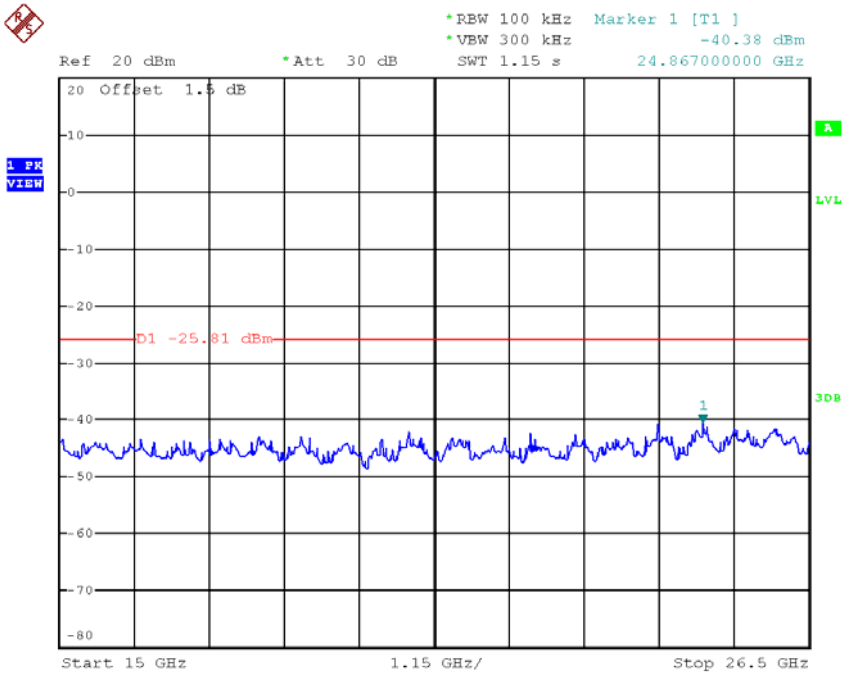
TX G mode CH01 (10 Harmonic of the frequency)



Date: 16.JUN.2017 16:27:55

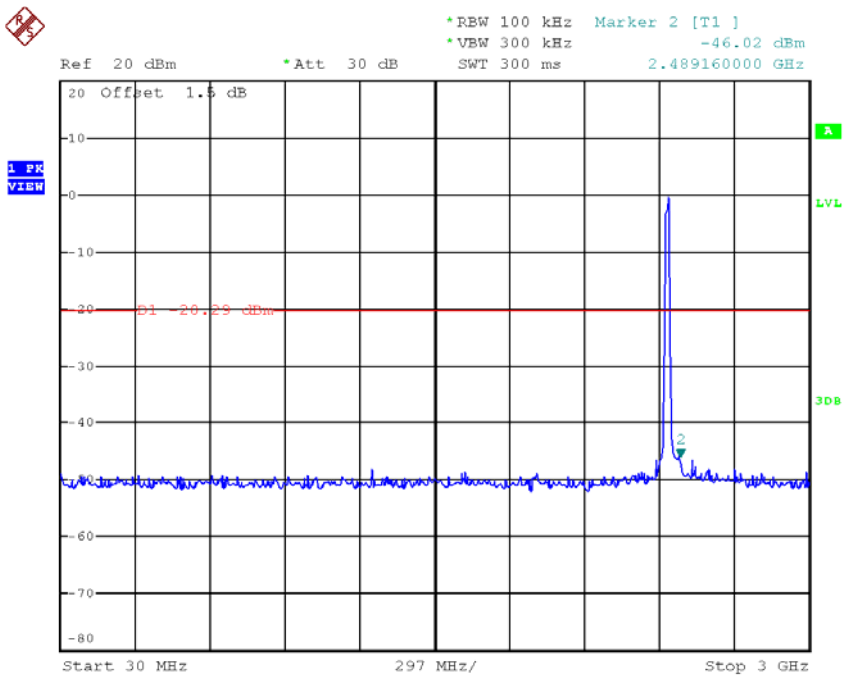


Date: 16.JUN.2017 16:28:03

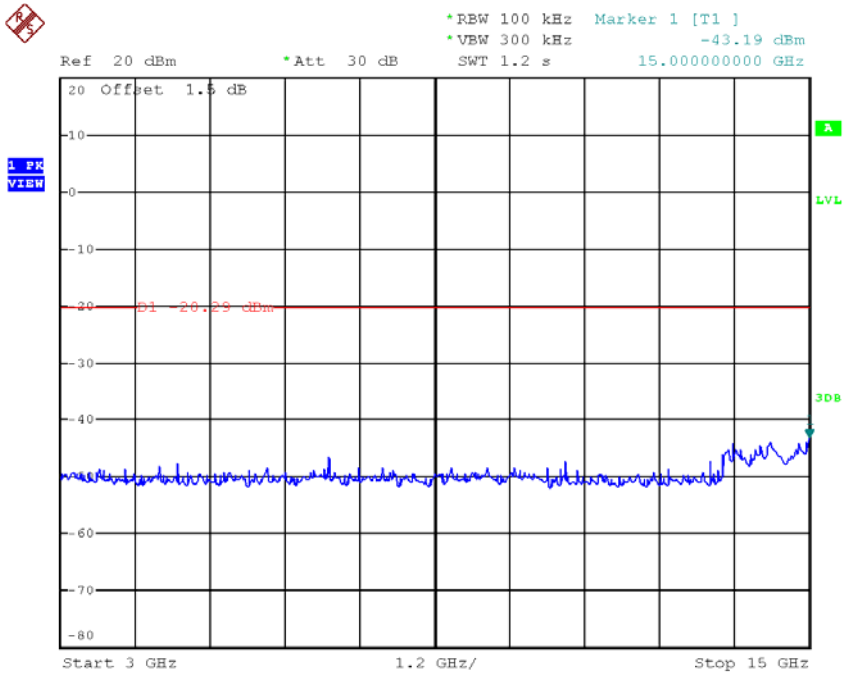


Date: 16.JUN.2017 16:28:10

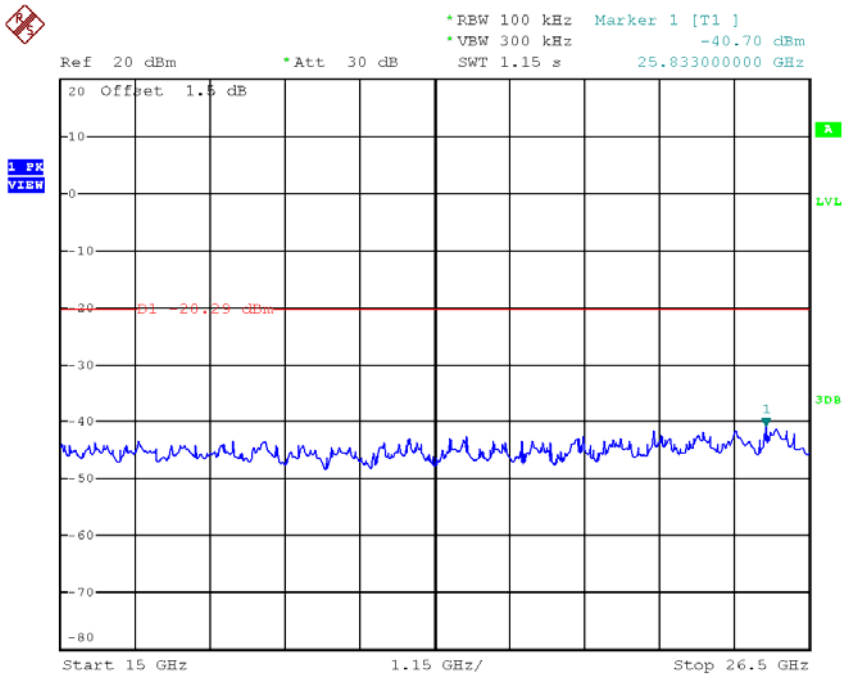
TX G mode CH06 (10 Harmonic of the frequency)



Date: 16.JUN.2017 16:29:40

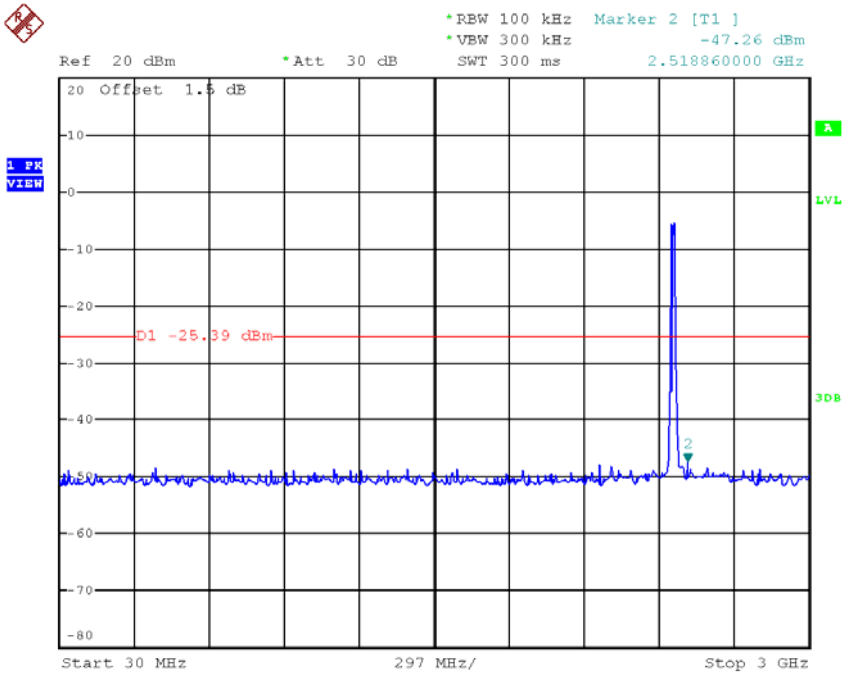


Date: 16.JUN.2017 16:29:47

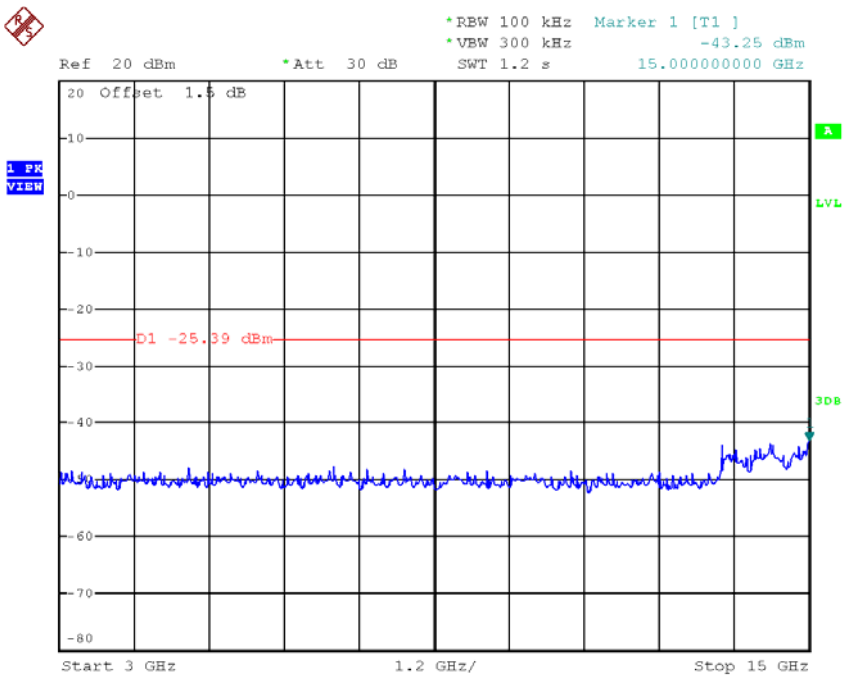


Date: 16.JUN.2017 16:29:55

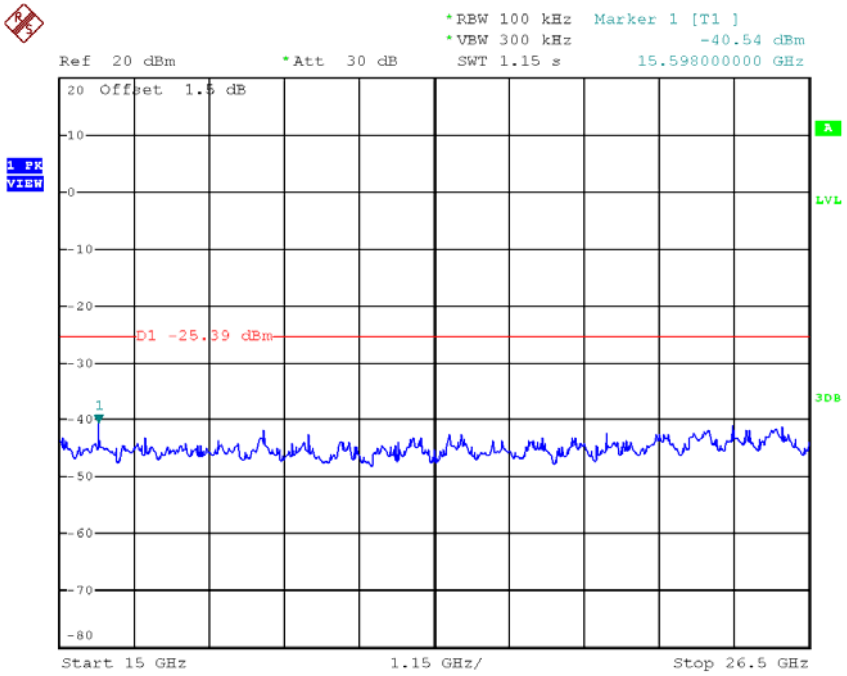
TX G mode CH11 (10 Harmonic of the frequency)



Date: 16.JUN.2017 16:31:09



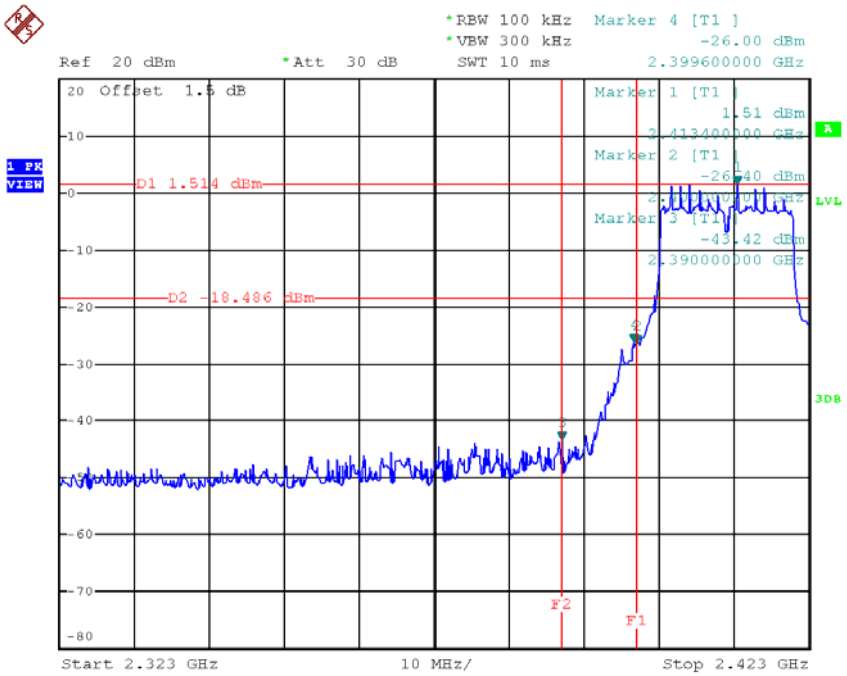
Date: 16.JUN.2017 16:31:17



Date: 16.JUN.2017 16:31:25

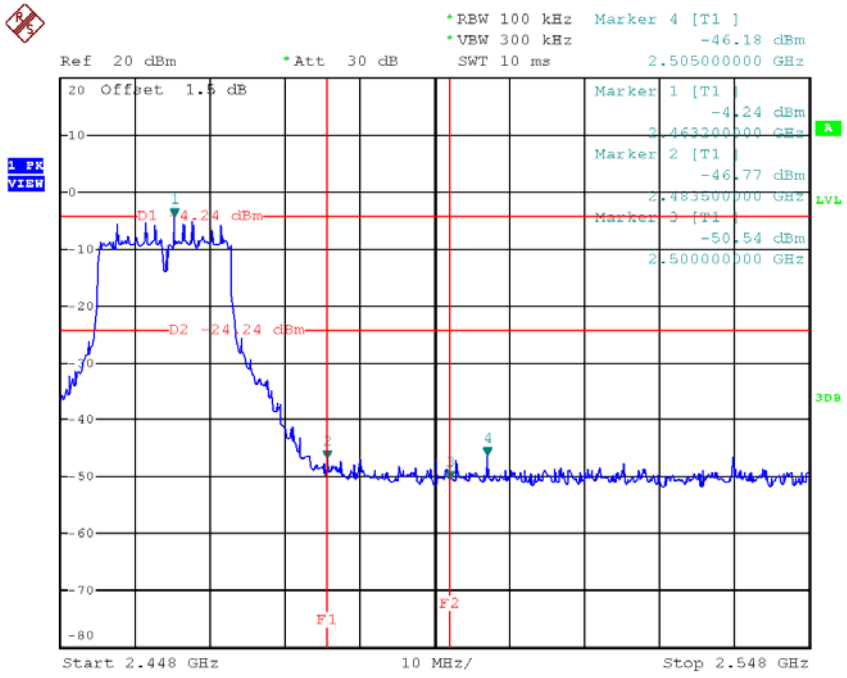
Test Mode :	TX N-20M Mode

TX HT20 mode CH01



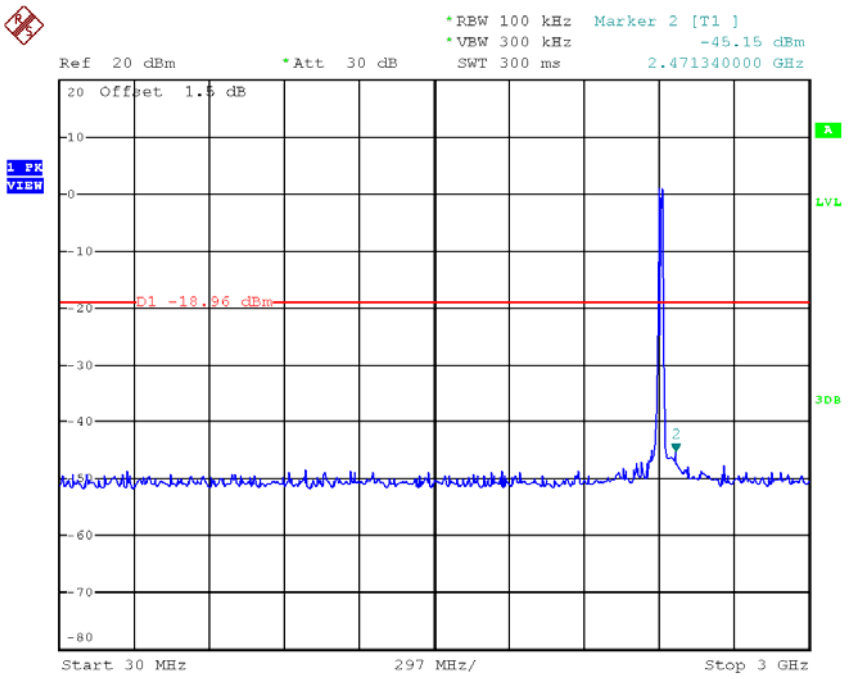
Date: 16.JUN.2017 16:32:53

TX HT20 mode CH11

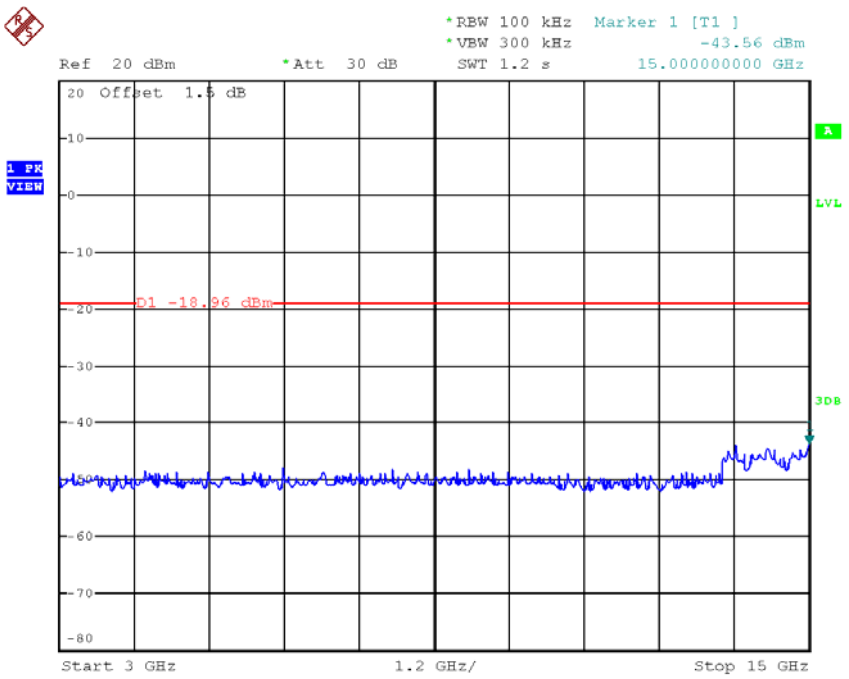


Date: 16.JUN.2017 16:35:39

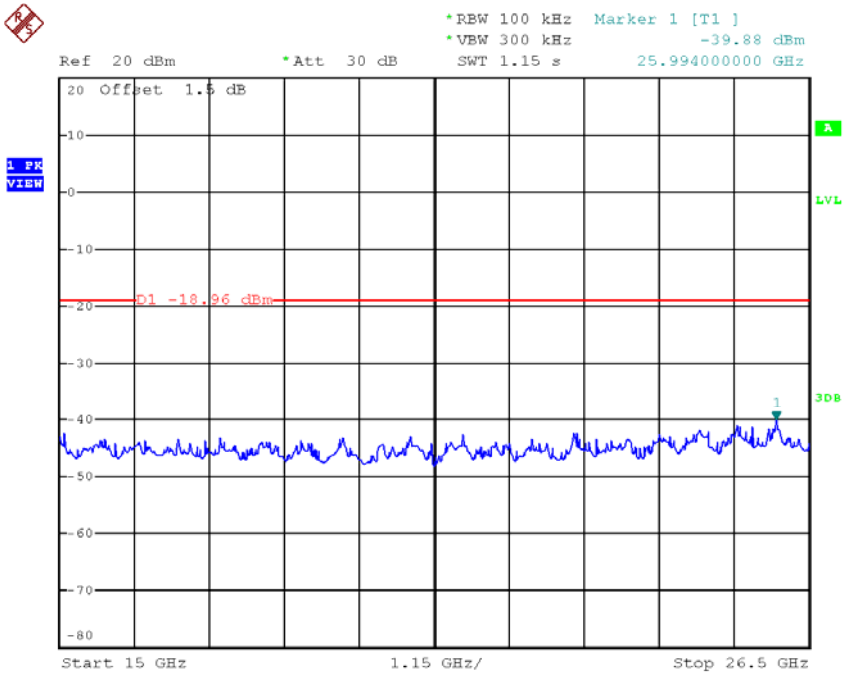
TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 16.JUN.2017 16:32:29

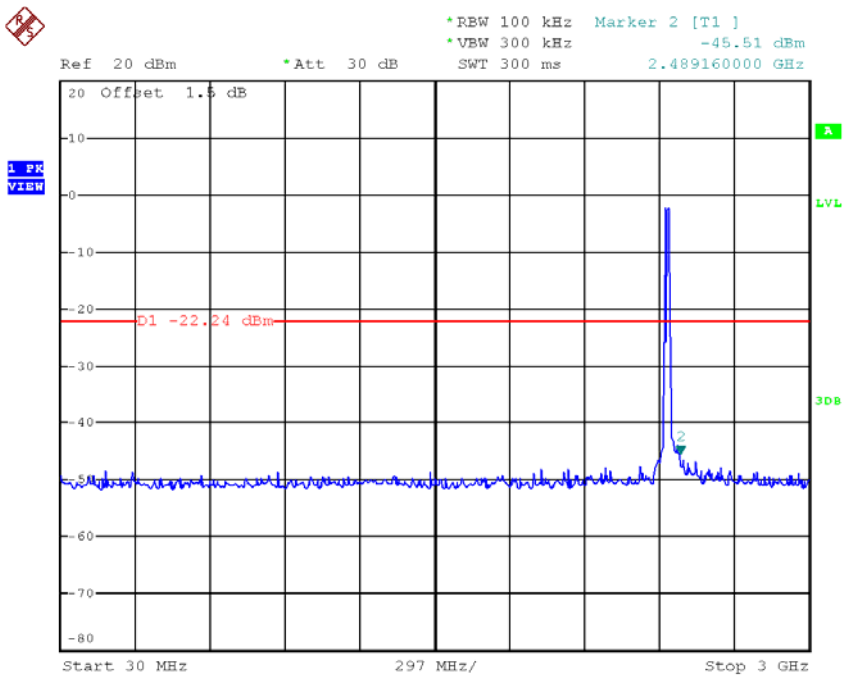


Date: 16.JUN.2017 16:32:37

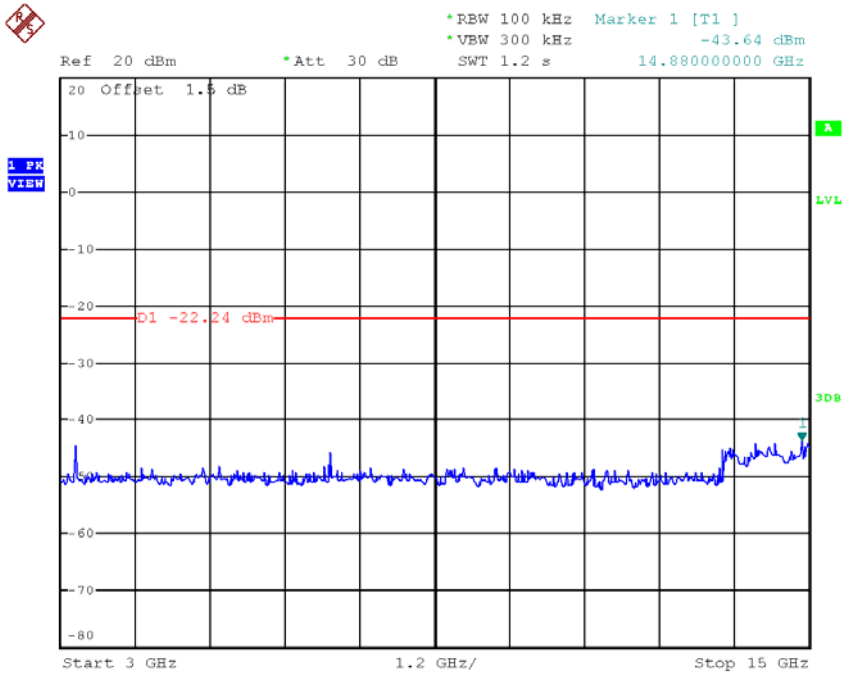


Date: 16.JUN.2017 16:32:45

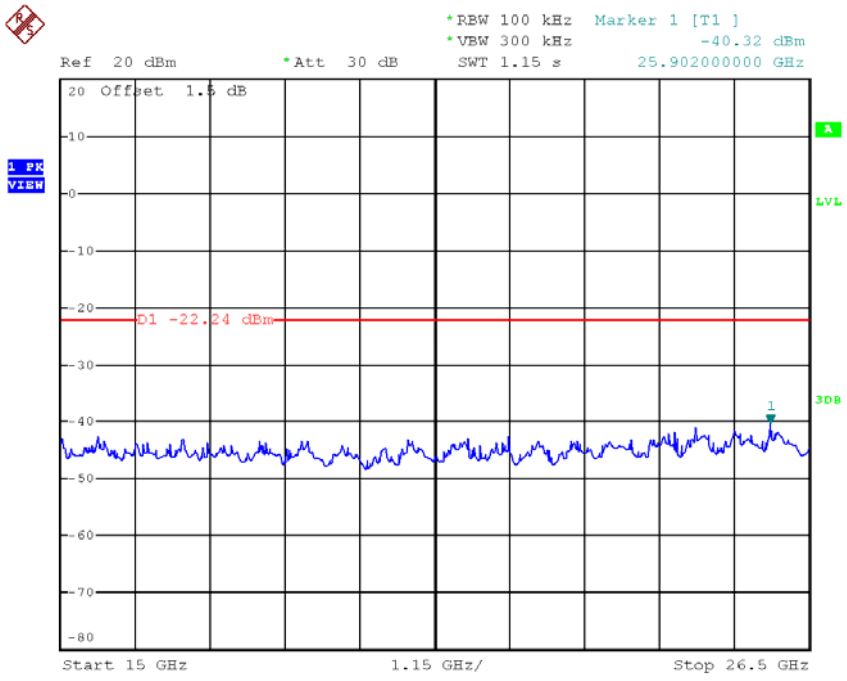
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 16.JUN.2017 16:34:00

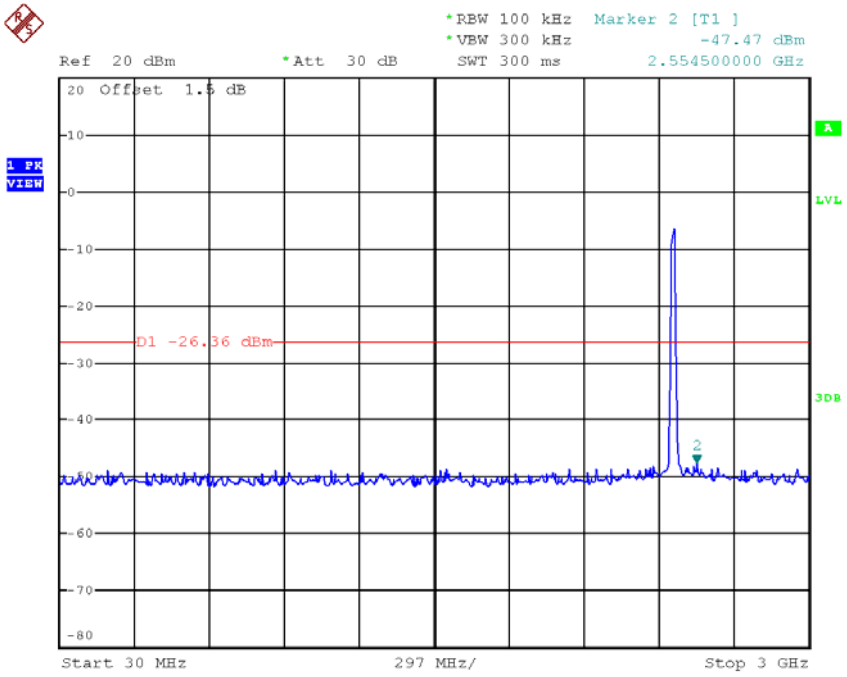


Date: 16.JUN.2017 16:34:07

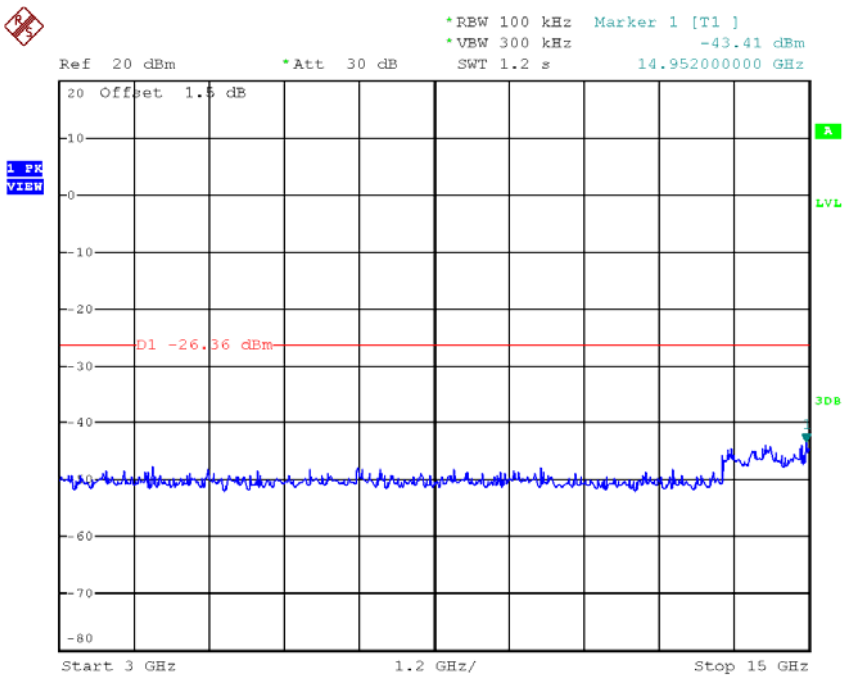


Date: 16.JUN.2017 16:34:15

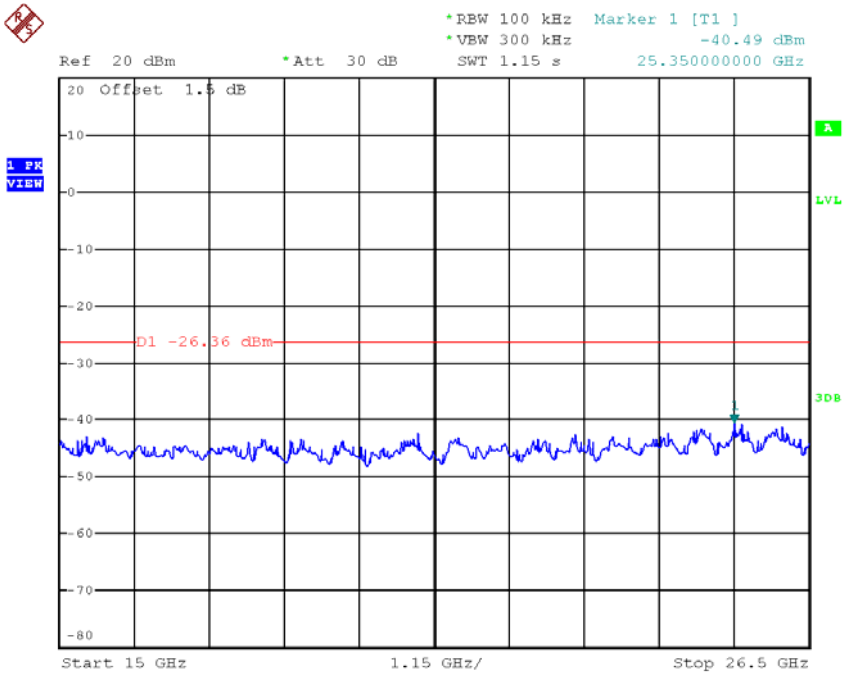
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 16.JUN.2017 16:35:16



Date: 16.JUN.2017 16:35:23



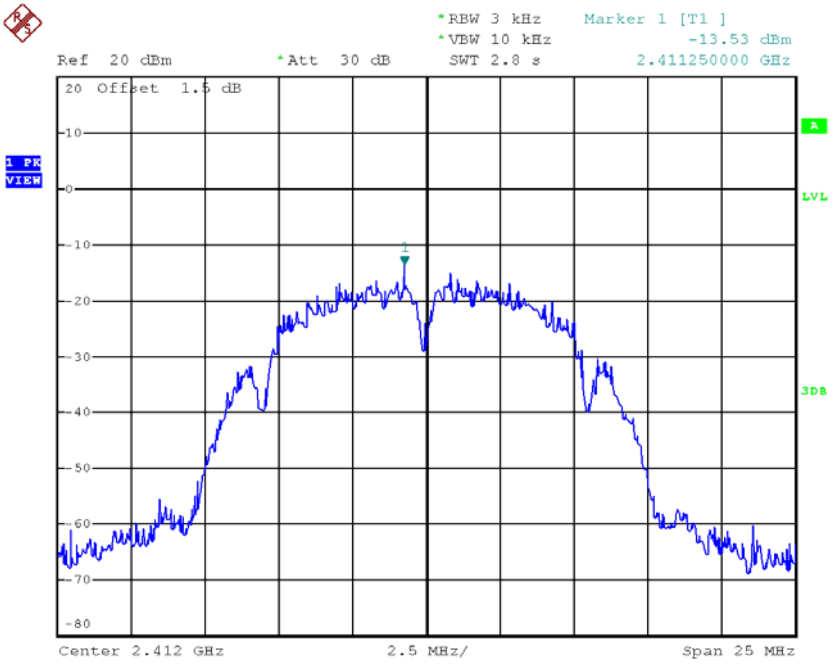
Date: 16.JUN.2017 16:35:31

ATTACHMENT H - POWER SPECTRAL DENSITY

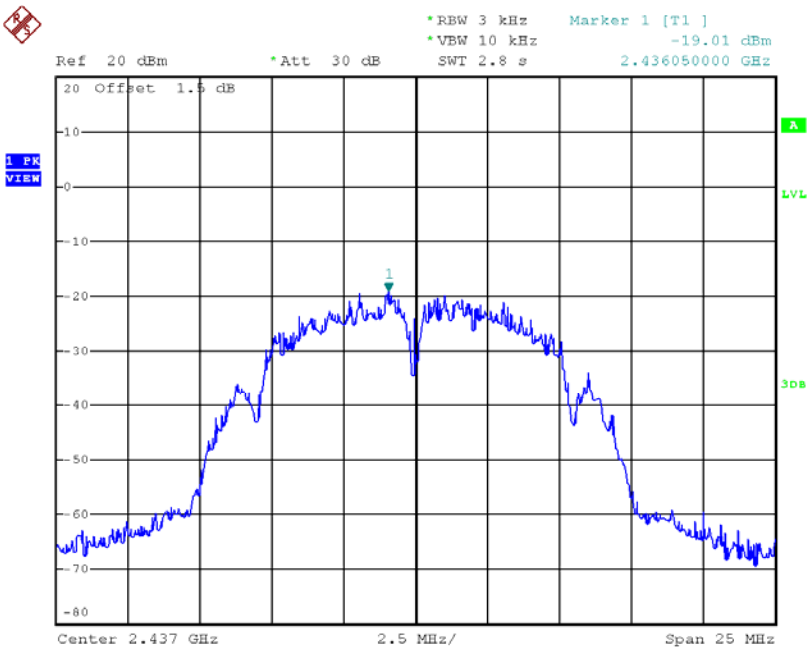
Test Mode :TX B Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-13.53	0.0444	8.00	Complies
2437	-19.01	0.0126	8.00	Complies
2462	-22.49	0.0056	8.00	Complies

TX CH01

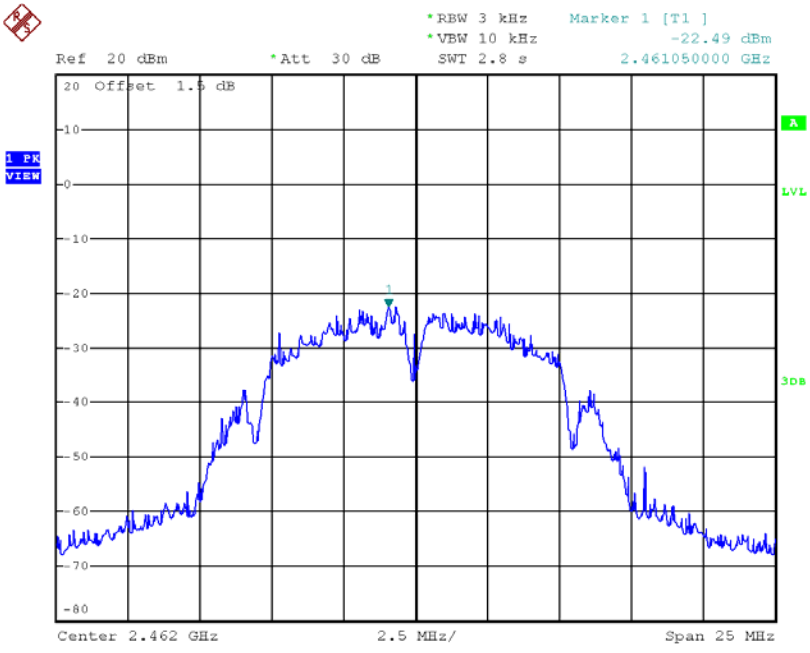


TX CH06



Date: 16.JUN.2017 16:24:32

TX CH11

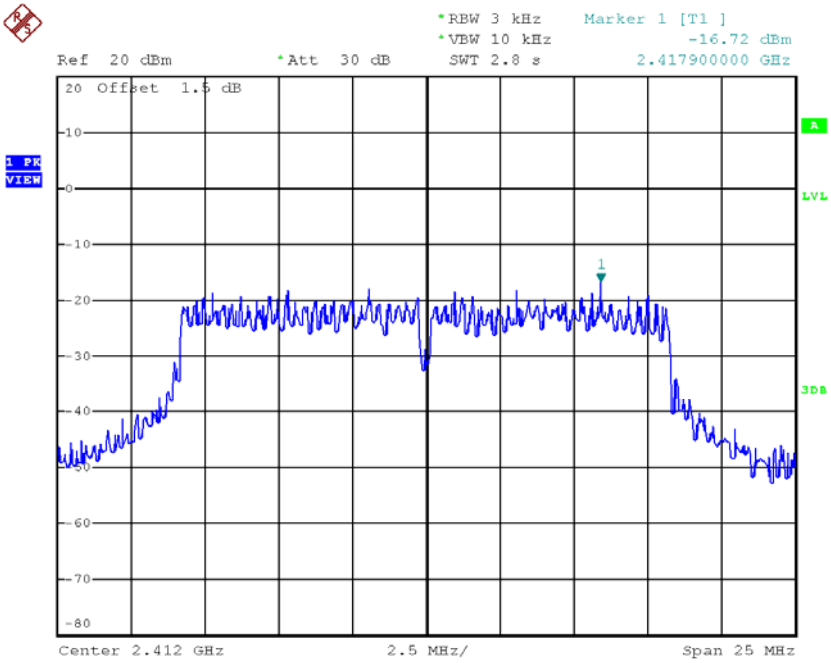


Date: 16.JUN.2017 16:26:59

Test Mode :TX G Mode_CH01/06/11

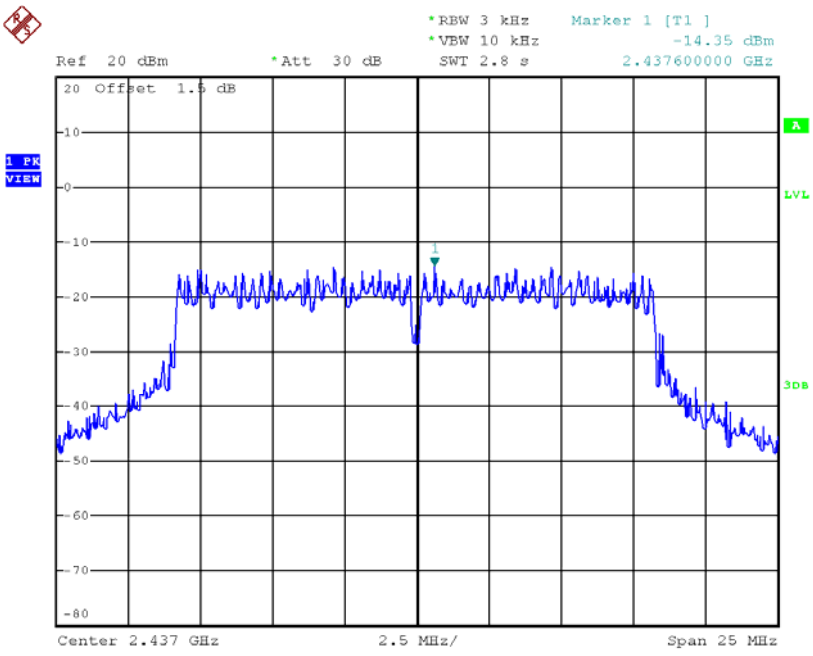
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-16.72	0.0213	8.00	Complies
2437	-14.35	0.0367	8.00	Complies
2462	-19.97	0.0101	8.00	Complies

TX CH01



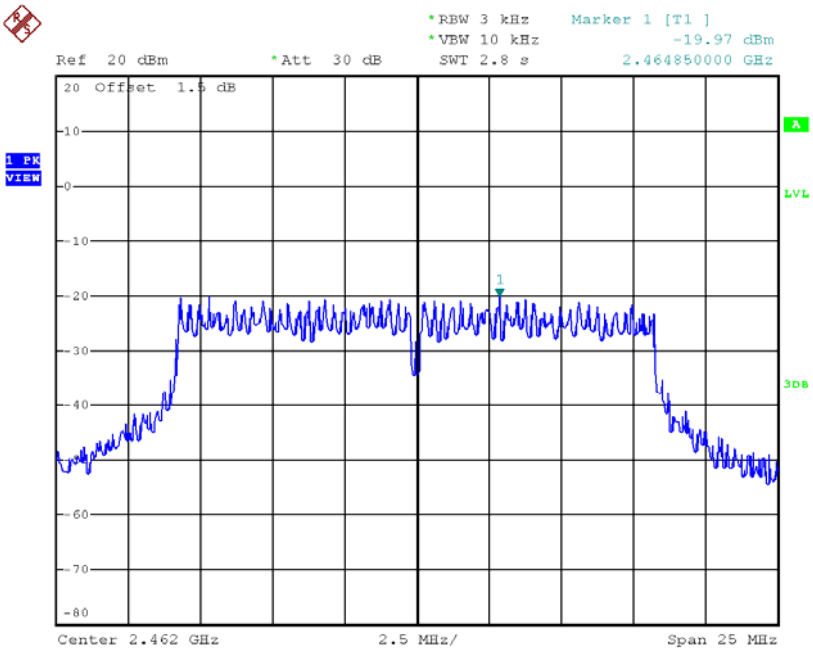
Date: 16.JUN.2017 16:28:27

TX CH06



Date: 16.JUN.2017 16:30:05

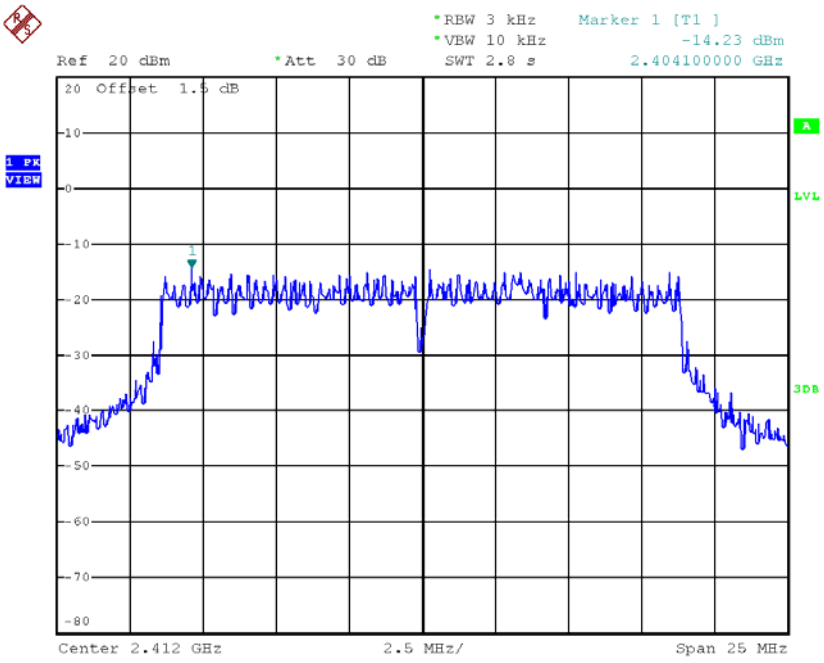
TX CH11



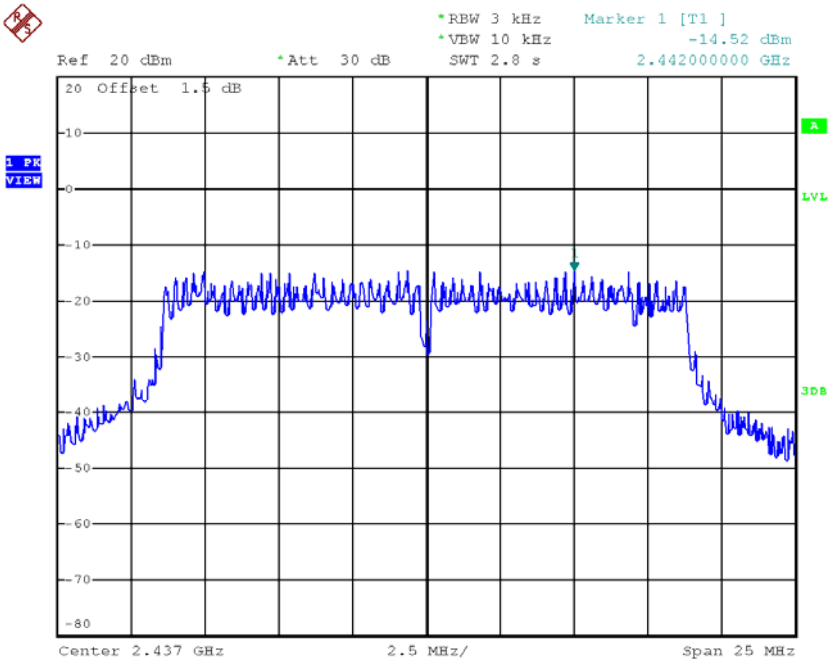
Date: 16.JUN.2017 16:31:42

Test Mode : TX N-20M Mode_CH01/06/11				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.23	0.0378	8.00	Complies
2437	-14.52	0.0353	8.00	Complies
2462	-18.84	0.0131	8.00	Complies

TX CH01

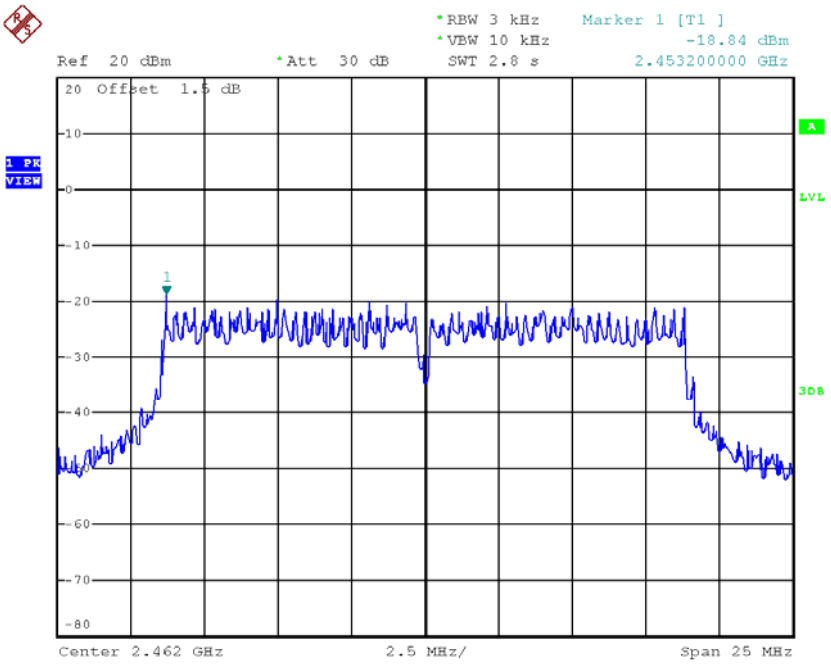


TX CH06



Date: 16.JUN.2017 16:34:24

TX CH11



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