

FCC Radio Test Report

FCC ID: QISCRO-LX3

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

Project No. : 1701C155A
Equipment : Smart Phone
Model Name : CRO-L03,CRO-L23
Applicant : Huawei Technologies Co.,Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China

Date of Receipt : Jan. 18, 2017
Date of Test : Jan. 18, 2017 ~ Feb. 27, 2017
Issued Date : Mar. 23, 2017
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-3-1701C155	Original Report.	Feb. 28, 2017
BTL-FCCP-3-1701C155A	Compared with the original report (BTL-FCCP-3-1701C155), the model CRO-L23 is added and differences please see the below table. According to the differences description below table, CRO-L23 shares the same test data of CRO-L03 of the same bands which does not affect the test results of the test report.	Mar. 23, 2017

Model	CRO-L03	CRO-L23
Brand	HUAWEI	HUAWEI
2G Frequency	GSM/GPRS/EDEG 850//1900	GSM/GPRS/EDEG 850//1900
3G Frequency	UMTS: B2/B5	UMTS: B2/B5
4G Frequency	FDD-LTE:B2/B4/B5/B7	FDD-LTE:B2/B4/B5/B7
Hardware version	The same	The same
Software version	The difference	The difference
SIM Card	Single (Hardware GPIO level is tested by software to identify odd and even cards.)	Double Hardware GPIO level is tested by software to identify odd and even cards. The dual-slot is added through the hardware, others are the same; The only difference between CRO-L03 and CRO-L23 is: CRO-L03 is single SIM point, and the CRO-L23 is double SIM points.
Dimensions	The same	The same
Appearance	The same	The same
main antenna	The same	The same
BT/Wi-Fi antenna	The same	The same
GPS antenna	The same	The same
PA(GSM)	The same	The same
PA(UMTS/FDD)	The same	The same

1. CERTIFICATION

Equipment : Smart Phone
Brand Name : HUAWEI
Model Name : CRO-L03,CRO-L23
Applicant : Huawei Technologies Co.,Ltd.
Manufacturer : Huawei Technologies Co.,Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District Shenzhen China
Factory : Huawei Technologies Co.,Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District Shenzhen China
Date of Test : Jan. 18, 2017 ~ Feb. 27, 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-3-1701C155A) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart Phone	
Brand Name	HUAWEI	
Model Name	CRO-L03,CRO-L23	
Model Difference	Please refer to page 5.	
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
	Output Power (Max.)	802.11b: 19.72dBm 802.11g: 24.35dBm 802.11n(20MHz): 22.11dBm 802.11n(40MHz): 22.39dBm
Power Source	#1 DC Voltage supplied from AC/DC adapter. #2 Battery Supplied.	
Power Rating	#1:AC 100–240V 50/60Hz DC 5V 1A #2:DC 3.82V 2200mAh	
HW Version	HL1CROM	
SW Version	CRO-L03:Cairo-L03C469B015 CRO-L23:Cairo-L23C469B022	

Note:

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

2. Channel List:

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

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	2.6

3.2 DESCRIPTION OF TEST MODES

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

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

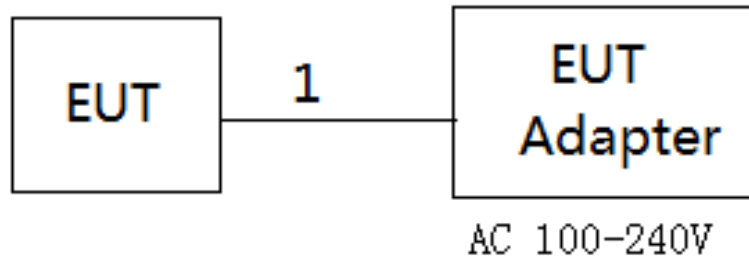
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : BPSK (6.5Mbps)
 802.11n HT40 mode : BPSK (13.5Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3)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

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	N/A		
Frequency (MHz)	2412	2437	2462
802.11b	17	17	17
802.11g	15	16	15
802.11n (20MHz)	12	12	12
Frequency	2422	2437	2452
802.11n (40MHz)	12	12	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.
-	-	-	-	-	-

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

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

The following table is the setting of the receiver

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

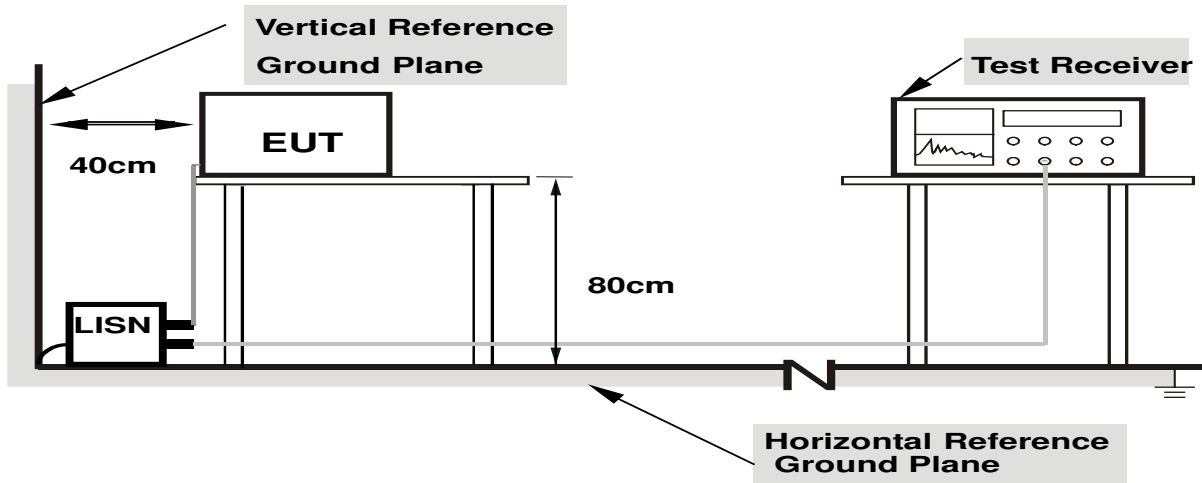
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



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

4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	Band edge at 3m (dBμV/m)		Harmonic at 1.5m (dBμV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	80 (Note 5)	60 (Note 5)

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

$$(5) \quad FS_{\text{limit}} = FS_{\text{max}} - 20 \log \left(\frac{d_{\text{limit}}}{d_{\text{measure}}} \right)$$

$$20 \log d_{\text{limit}}/d_{\text{measure}} = 20 \log 3/1.5 = 6 \text{dB.}$$

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

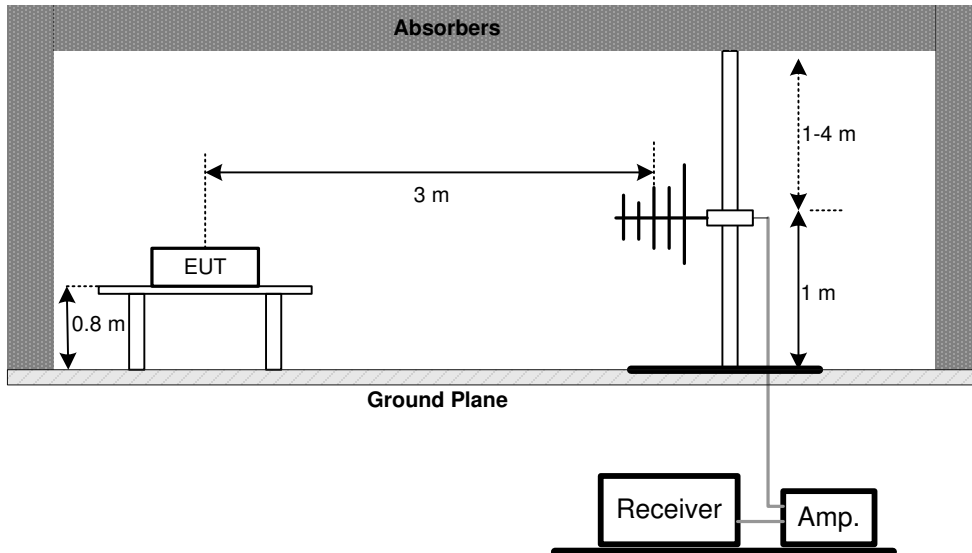
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m or 1.5m 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

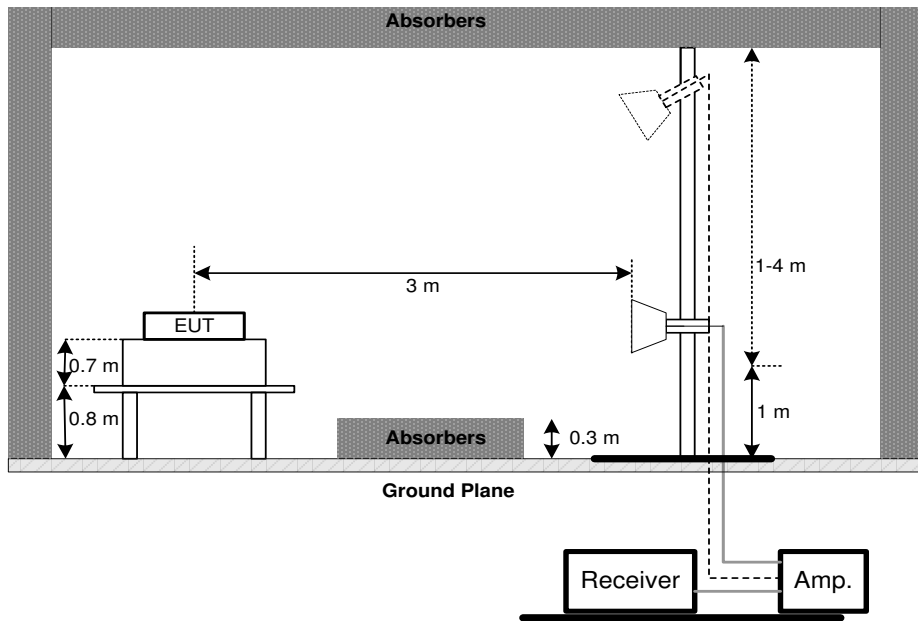
No deviation

4.2.4 TEST SETUP

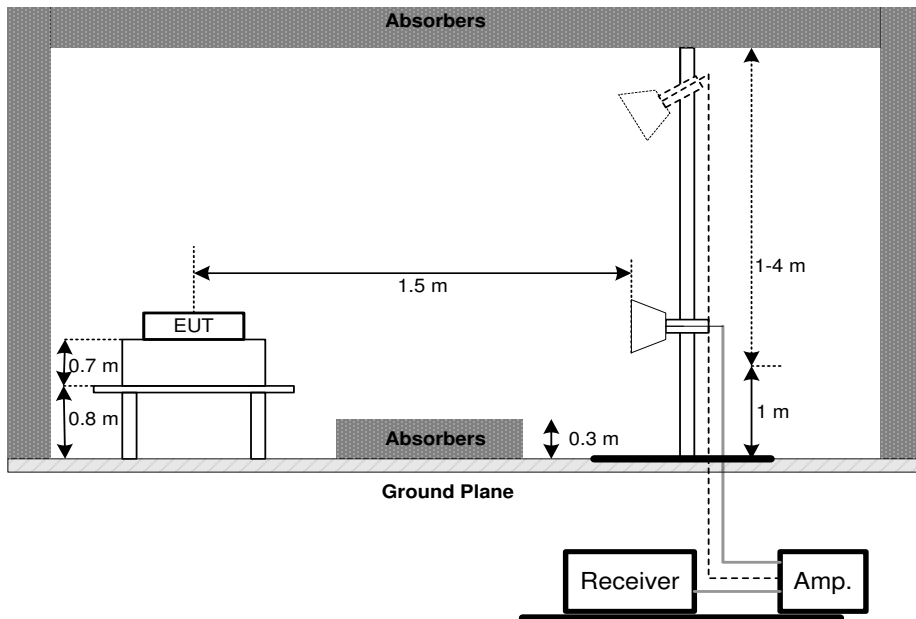
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



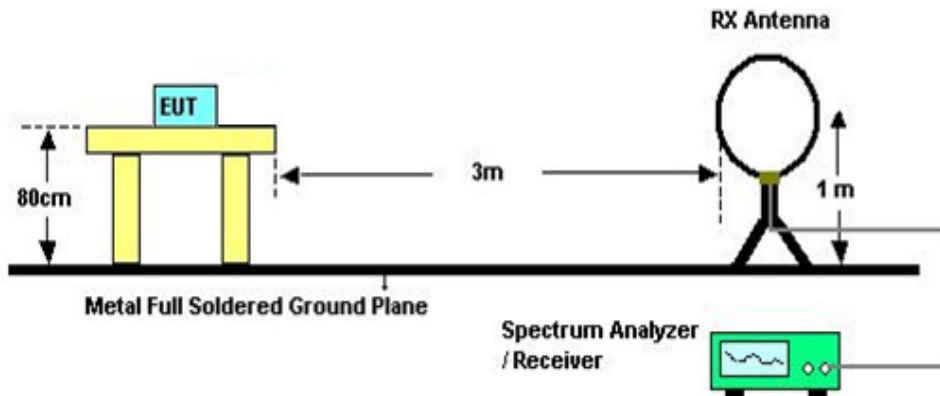
(B) Radiated Emission Test Set-Up Frequency Above 1 GHz
Band edge



Harmonic



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

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

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

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

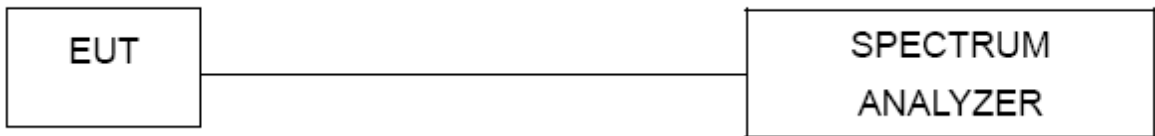
5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

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

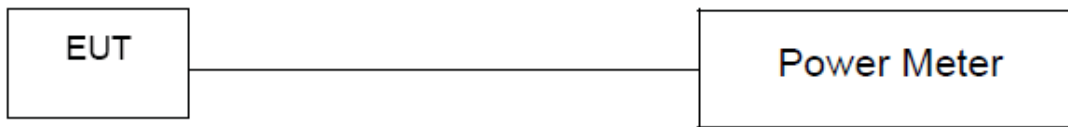
6.1.1 TEST PROCEDURE

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

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

7.1.1 TEST PROCEDURE

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
2	LISN	EMCO	3816/2	52765	Mar. 27, 2017
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 27, 2017
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 27, 2017
5	Cable	emci	RG223(9KHz-30MHz)(5m)	N/A	Mar. 10, 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	Schwarzbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
3	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
4	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	Jun. 27, 2017
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Amplifier	Agilent	8449B	3008A02274	Mar. 09, 2018
9	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
10	Antenna	EM	EM-6876-1	230	Jul. 08, 2017
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
12	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 16, 2017
13	Controller	MF	MF-7802	MF780208416	N/A
14	Cable	emci	EMC104-SM-S M-12000(12m)	N/A	Jul. 06, 2017

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Apr. 26, 2017
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Apr. 26, 2017

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

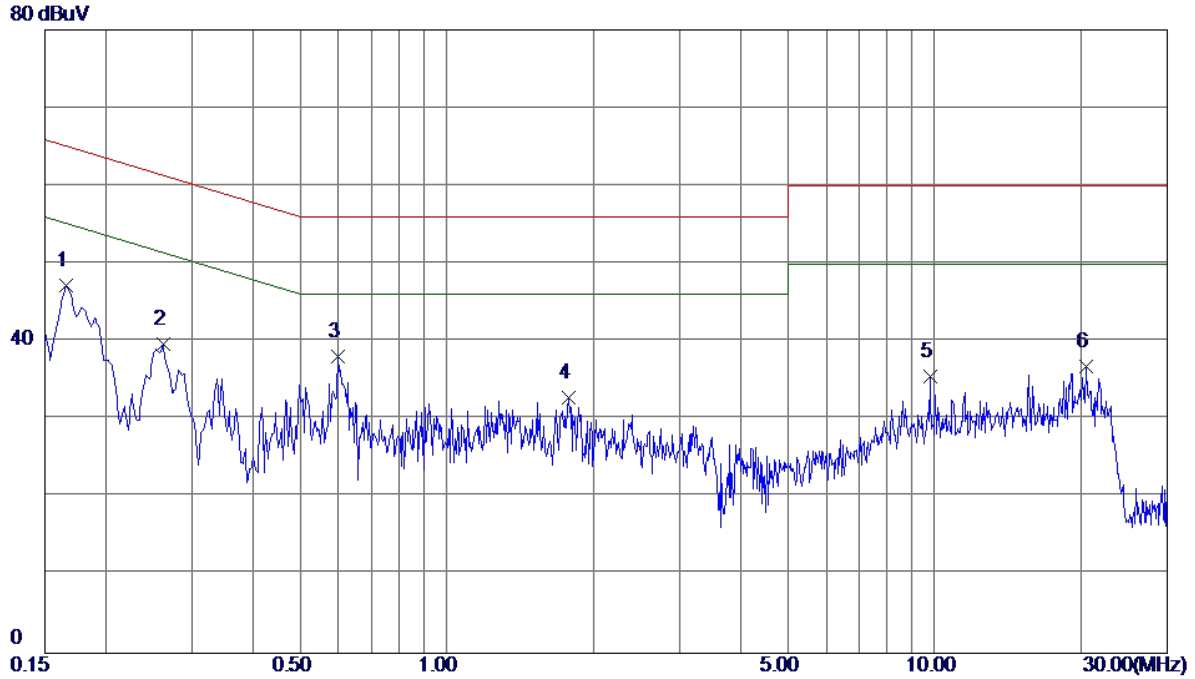
Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

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_Adapter: BYD

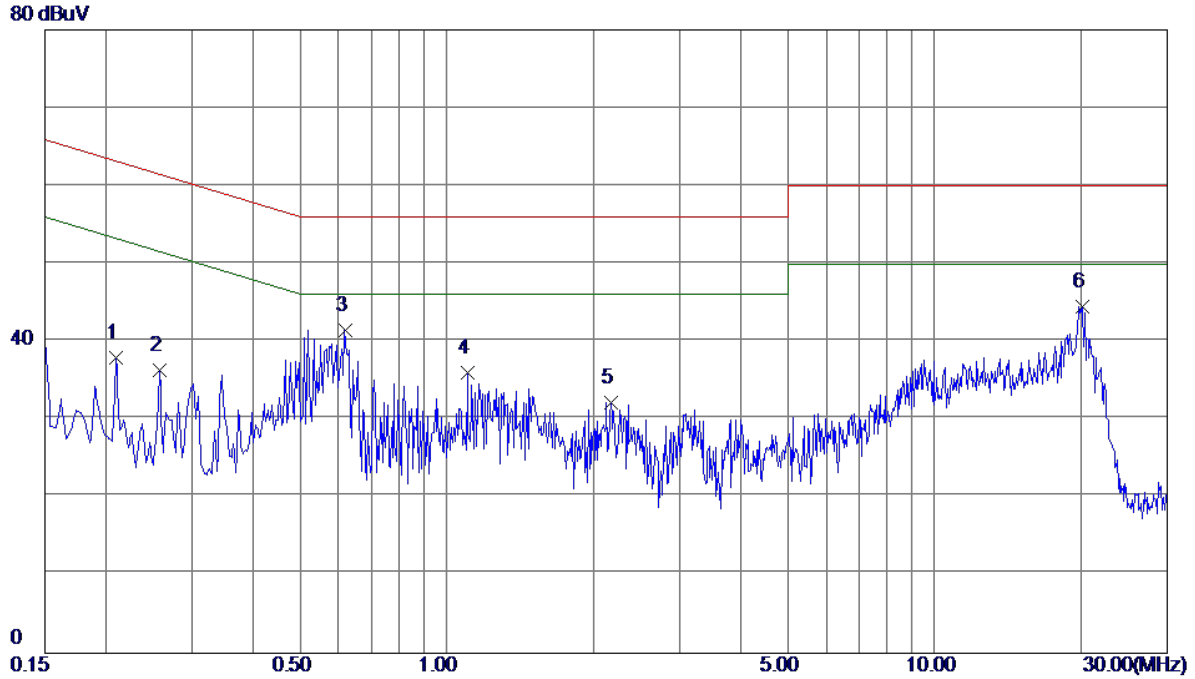
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1660	37.69	9.57	47.26	65.16	-17.90	Peak	
2	0.2620	30.15	9.57	39.72	61.37	-21.65	Peak	
3	0.5980	28.34	9.70	38.04	56.00	-17.96	Peak	
4	1.7780	22.80	9.99	32.79	56.00	-23.21	Peak	
5	9.7860	25.11	10.48	35.59	60.00	-24.41	Peak	
6	20.4260	26.00	10.80	36.80	60.00	-23.20	Peak	

Test Mode : TX Mode_Adapter: BYD

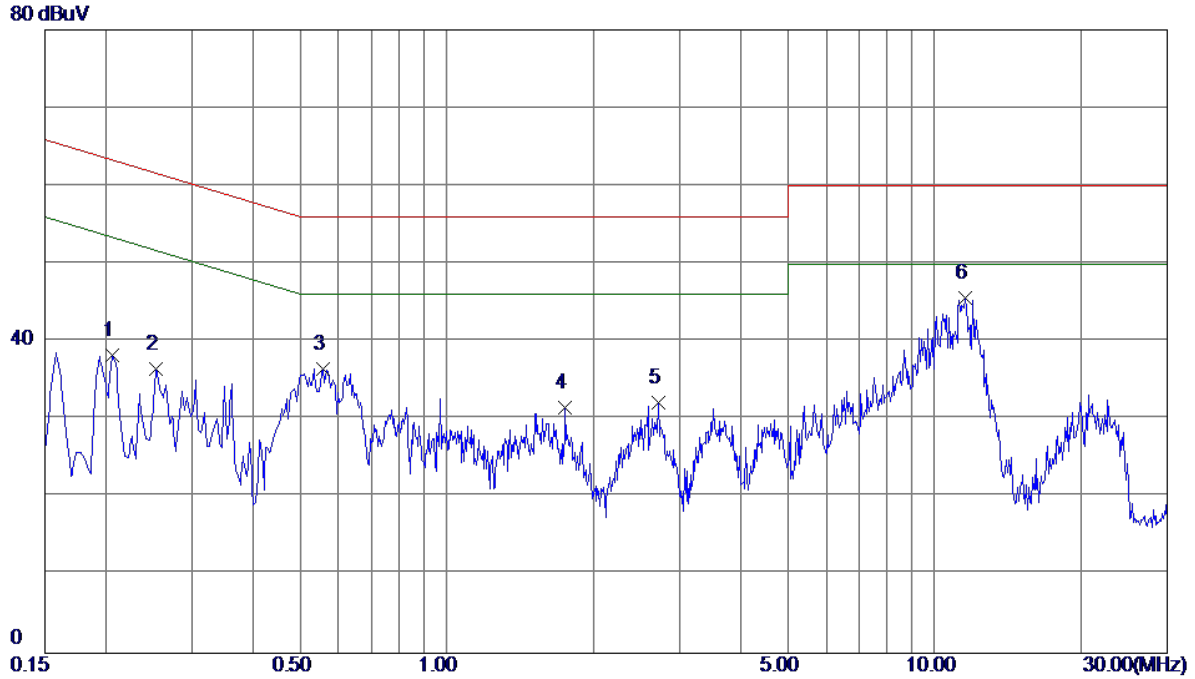
Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.2100	28.39	9.57	37.96	63.21	-25.25	Peak	
2	0.2580	26.75	9.57	36.32	61.50	-25.18	Peak	
3 *	0.6180	31.92	9.50	41.42	56.00	-14.58	Peak	
4	1.1019	26.26	9.75	36.01	56.00	-19.99	Peak	
5	2.1740	22.37	9.85	32.22	56.00	-23.78	Peak	
6	20.1259	33.62	10.90	44.52	60.00	-15.48	Peak	

Test Mode : TX Mode_Adapter: PHITEK

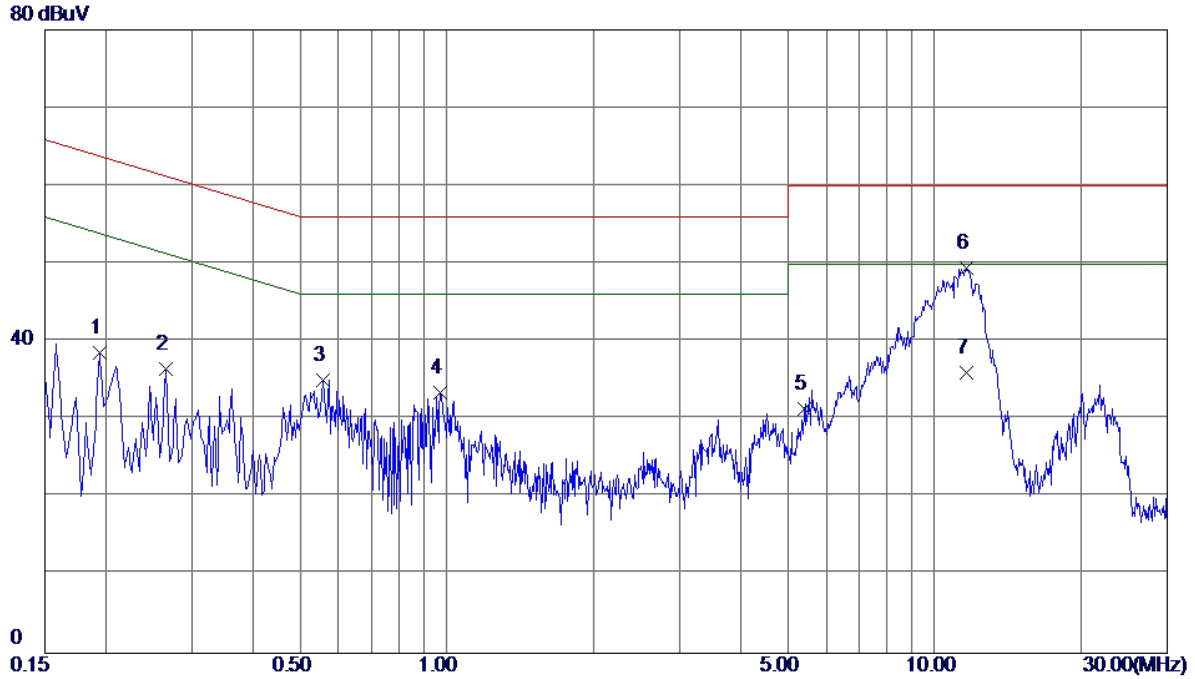
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.2060	28.64	9.57	38.21	63.37	-25.16	Peak	
2	0.2540	26.98	9.57	36.55	61.63	-25.08	Peak	
3	0.5580	26.80	9.70	36.50	56.00	-19.50	Peak	
4	1.7500	21.55	9.99	31.54	56.00	-24.46	Peak	
5	2.7139	21.92	10.25	32.17	56.00	-23.83	Peak	
6 *	11.5860	35.11	10.56	45.67	60.00	-14.33	Peak	

Test Mode : TX Mode_Adapter: PHITEK

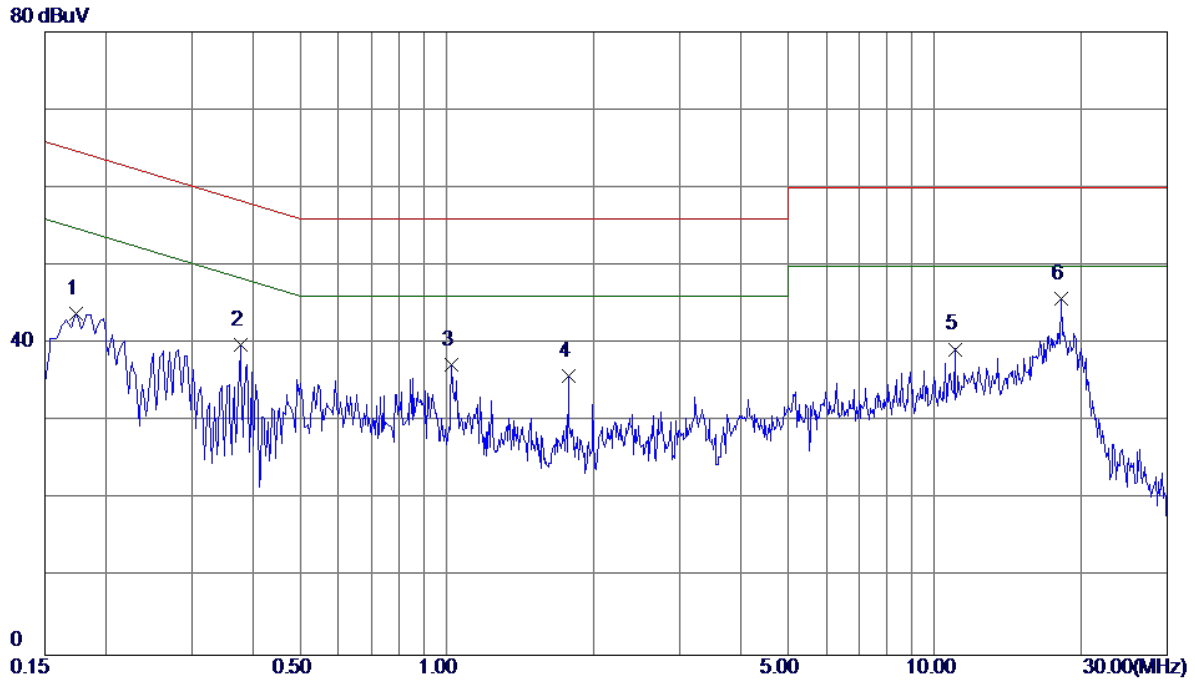
Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1940	29.06	9.55	38.61	63.86	-25.25	Peak	
2	0.2660	26.95	9.57	36.52	61.24	-24.72	Peak	
3	0.5580	25.61	9.50	35.11	56.00	-20.89	Peak	
4	0.9700	23.66	9.74	33.40	56.00	-22.60	Peak	
5	5.3940	21.07	10.24	31.31	60.00	-28.69	Peak	
6 *	11.5940	38.79	10.62	49.41	60.00	-10.59	Peak	
7	11.5940	25.34	10.62	35.96	50.00	-14.04	AVG	

Test Mode : TX Mode _ Adapter: Huntkey

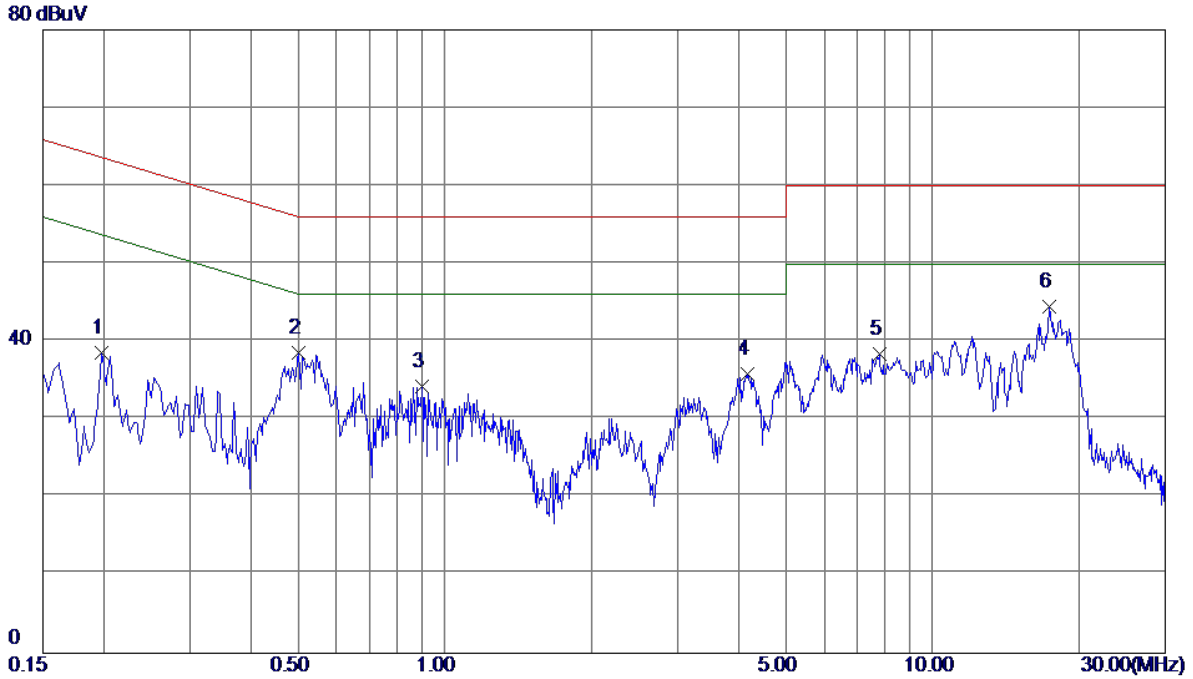
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1740	34.30	9.57	43.87	64.77	-20.90	Peak	
2	0.3780	30.30	9.58	39.88	58.32	-18.44	Peak	
3	1.0220	27.48	9.84	37.32	56.00	-18.68	Peak	
4	1.7740	25.80	9.99	35.79	56.00	-20.21	Peak	
5	11.0180	28.75	10.53	39.28	60.00	-20.72	Peak	
6 *	18.1420	35.01	10.76	45.77	60.00	-14.23	Peak	

Test Mode : TX Mode _ Adapter: Huntkey

Neutral

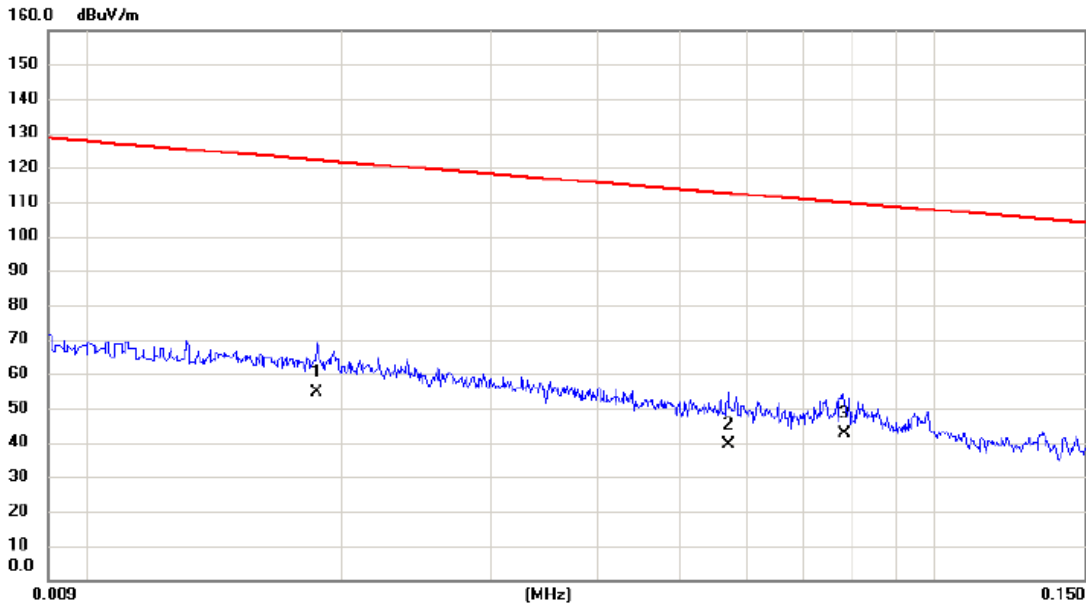


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1980	28.98	9.56	38.54	63.69	-25.15	Peak	
2	0.5020	29.05	9.49	38.54	56.00	-17.46	Peak	
3	0.8980	24.48	9.73	34.21	56.00	-21.79	Peak	
4	4.1860	25.70	10.12	35.82	56.00	-20.18	Peak	
5	7.7900	28.03	10.30	38.33	60.00	-21.67	Peak	
6 *	17.3779	33.63	10.79	44.42	60.00	-15.58	Peak	

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

Test Mode: TX Mode_Adapter: BYD

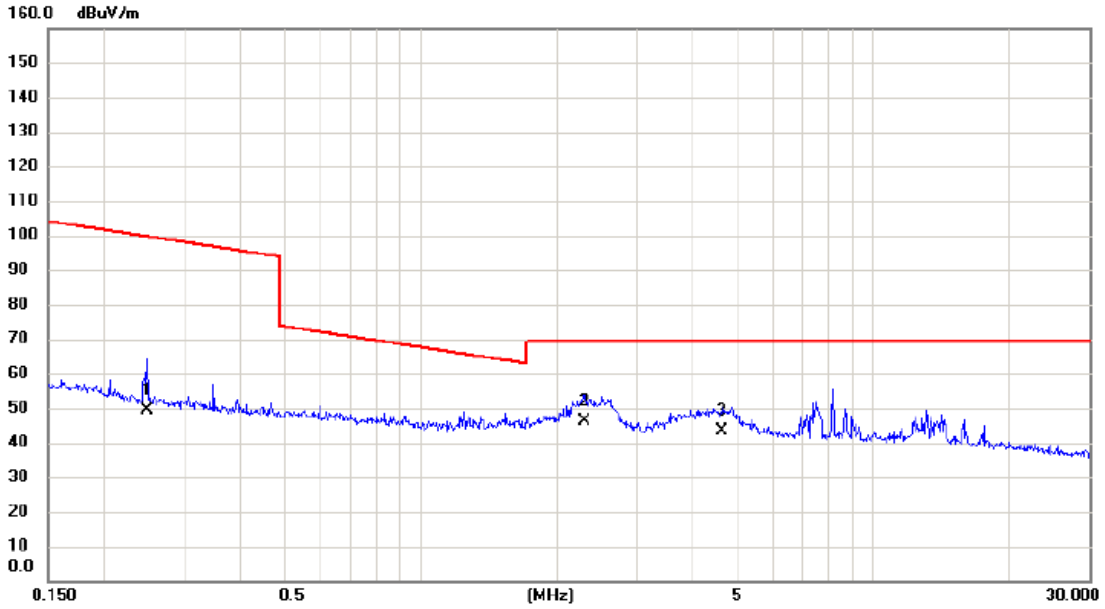
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0187	31.10	23.60	54.70	122.17	-67.47	AVG	
2		0.0570	19.50	19.75	39.25	112.49	-73.24	AVG	
3	*	0.0781	23.20	19.39	42.59	109.75	-67.16	AVG	

Test Mode: TX Mode_ Adapter: BYD

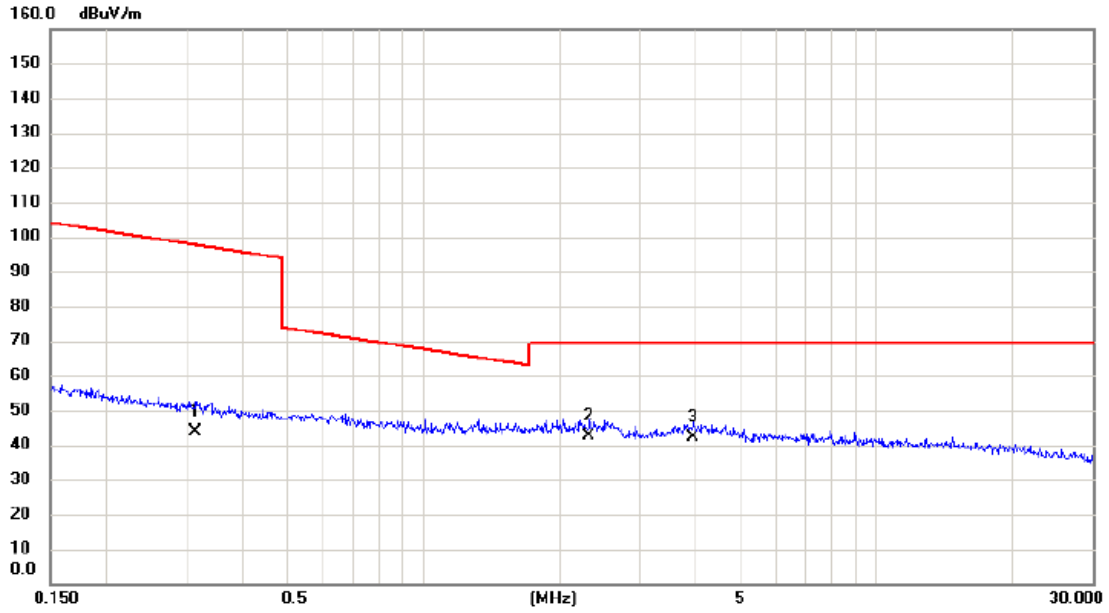
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2481	30.80	18.65	49.45	99.71	-50.26	AVG	
2	*	2.2968	28.70	17.52	46.22	69.54	-23.32	QP	
3		4.6223	25.90	17.46	43.36	69.54	-26.18	QP	

Test Mode: TX Mode_Adapter: BYD

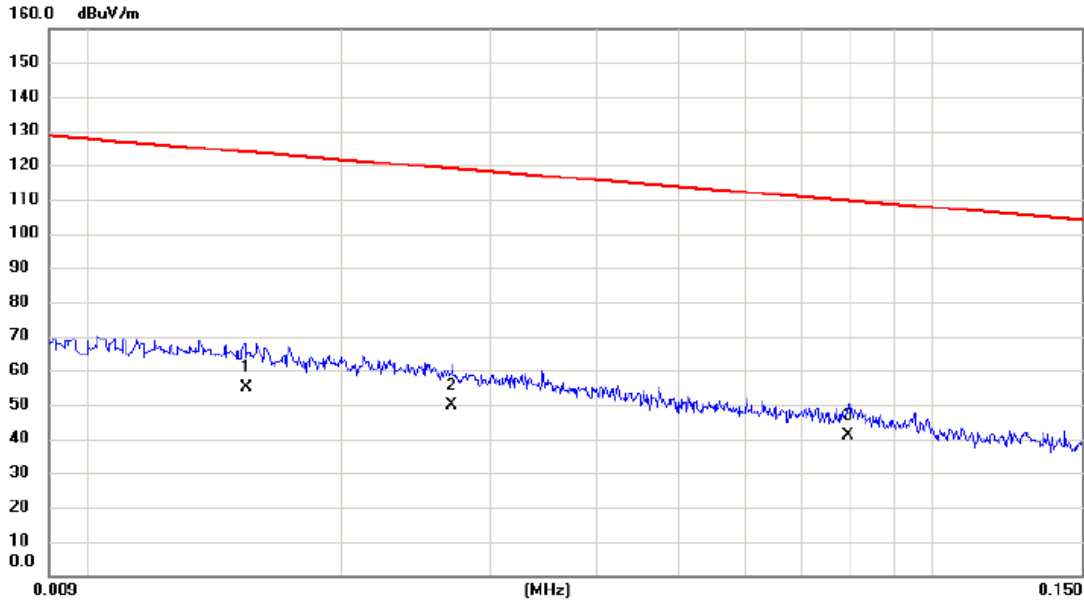
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.3133	25.33	18.57	43.90	97.69	-53.79	AVG	
2	*	2.3213	25.12	17.49	42.61	69.54	-26.93	QP	
3		3.9430	23.45	18.63	42.08	69.54	-27.46	QP	

Test Mode: TX Mode_Adapter: BYD

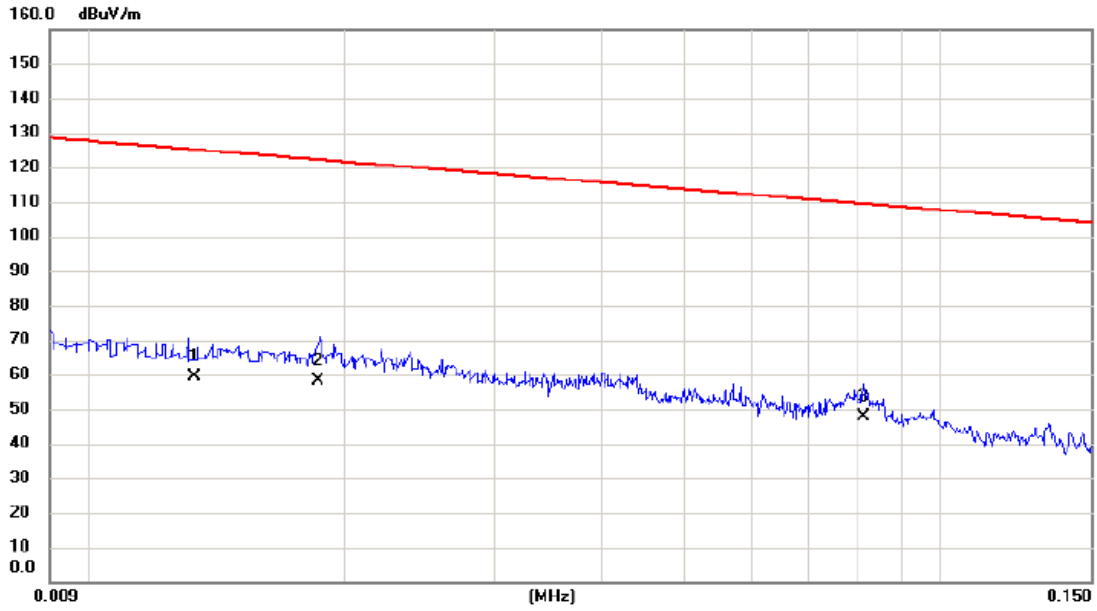
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0154	31.05	23.80	54.85	123.85	-69.00	AVG	
2		0.0270	27.14	22.66	49.80	118.98	-69.18	AVG	
3	*	0.0793	21.75	19.34	41.09	109.62	-68.53	AVG	

Test Mode: TX Mode_ Adapter: PHITEK

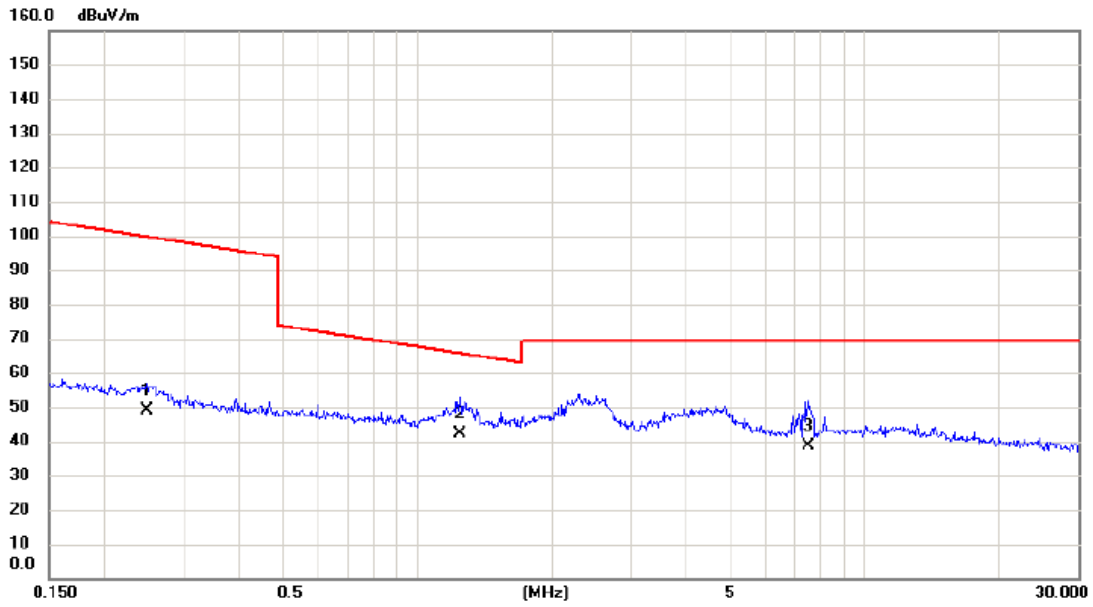
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.0133	35.49	23.92	59.41	125.13	-65.72	AVG	
2		0.0186	34.66	23.60	58.26	122.21	-63.95	AVG	
3	*	0.0812	28.36	19.26	47.62	109.41	-61.79	AVG	

Test Mode: TX Mode_Adapter: PHITEK

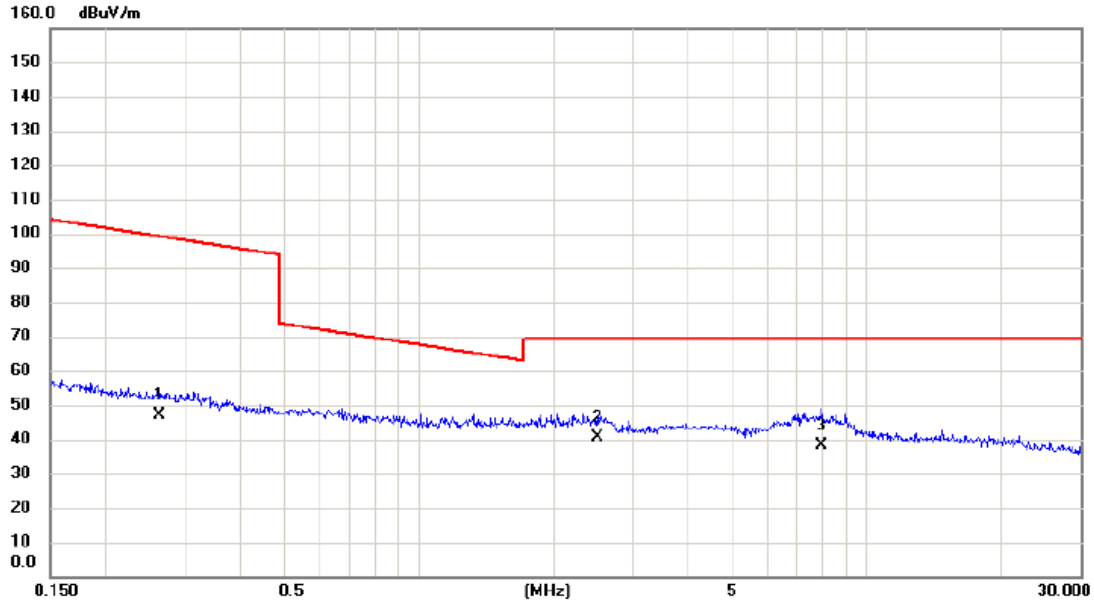
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2482	30.31	18.65	48.96	99.71	-50.75	AVG	
2	*	1.2465	24.63	17.74	42.37	65.69	-23.32	QP	
3		7.4853	22.49	16.26	38.75	69.54	-30.79	QP	

Test Mode: TX Mode_ Adapter: PHITEK

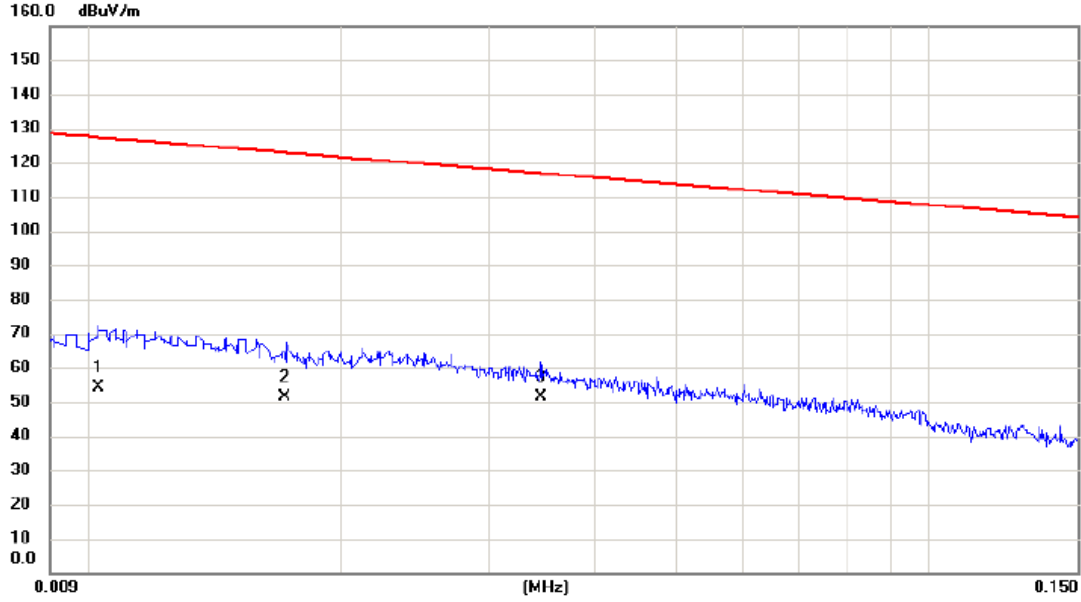
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.2635	28.32	18.63	46.95	99.19	-52.24	AVG	
2	*	2.5128	23.44	17.25	40.69	69.54	-28.85	QP	
3		7.9372	22.16	16.19	38.35	69.54	-31.19	QP	

Test Mode: TX Mode_ Adapter: PHITEK

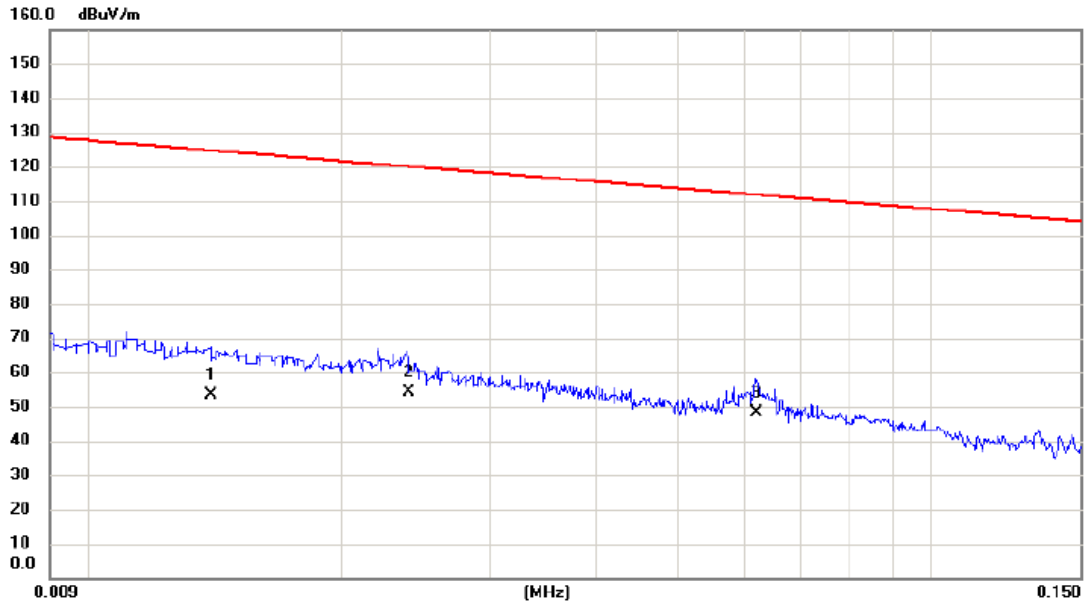
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.0103	30.28	24.10	54.38	127.35	-72.97	AVG	
2		0.0171	27.56	23.69	51.25	122.94	-71.69	AVG	
3	*	0.0346	29.71	21.72	51.43	116.82	-65.39	AVG	

Test Mode: TX Mode_ Adapter: Huntkey

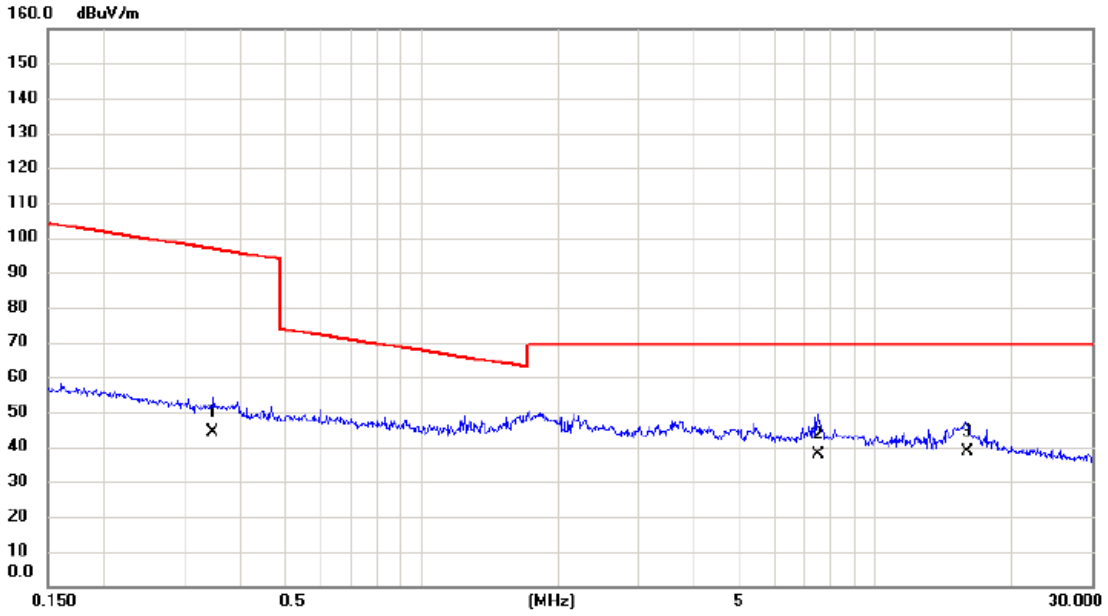
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.0140	29.34	23.88	53.22	124.68	-71.46	AVG	
2		0.0240	31.28	23.03	54.31	120.00	-65.69	AVG	
3	*	0.0620	28.66	19.69	48.35	111.76	-63.41	AVG	

Test Mode: TX Mode_ Adapter: Huntkey

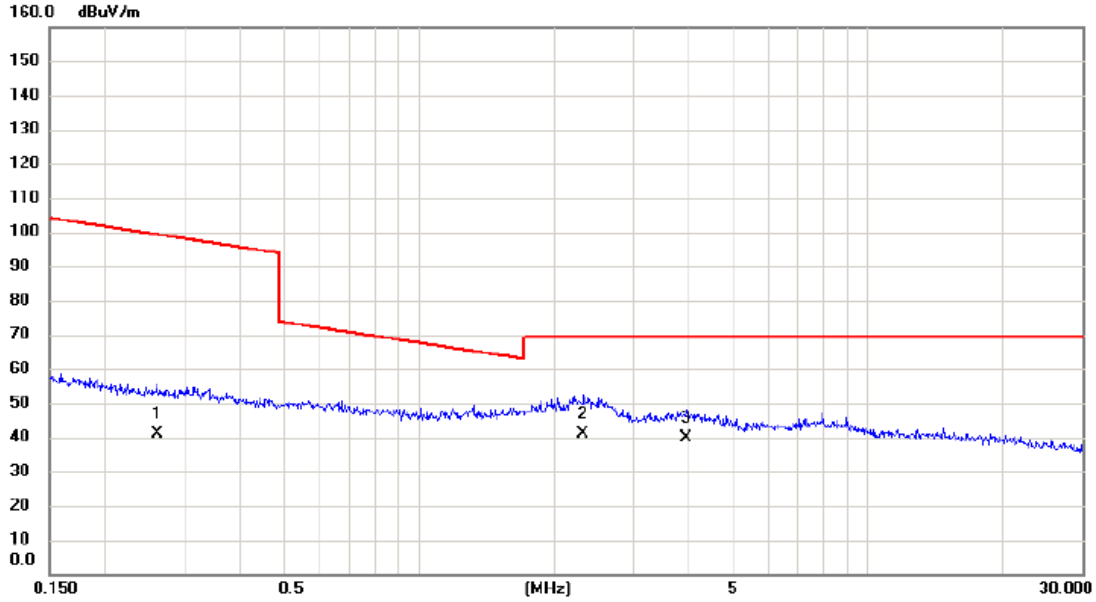
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.3461	25.66	18.54	44.20	96.82	-52.62	AVG	
2		7.4860	21.38	16.26	37.64	69.54	-31.90	QP	
3	*	15.8868	23.17	15.54	38.71	69.54	-30.83	QP	

Test Mode: TX Mode_Adapter: Huntkey

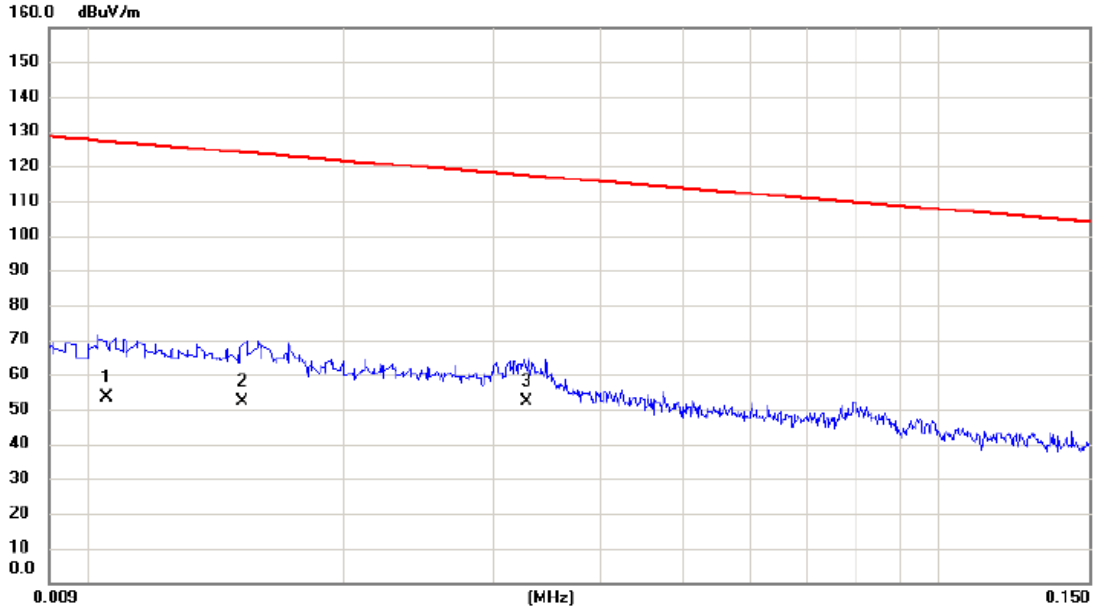
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2611	22.47	18.64	41.11	99.27	-58.16	AVG	
2	*	2.3226	23.64	17.49	41.13	69.54	-28.41	QP	
3		3.9427	21.13	18.63	39.76	69.54	-29.78	QP	

Test Mode: TX Mode_ Adapter: Huntkey

Ant 90°



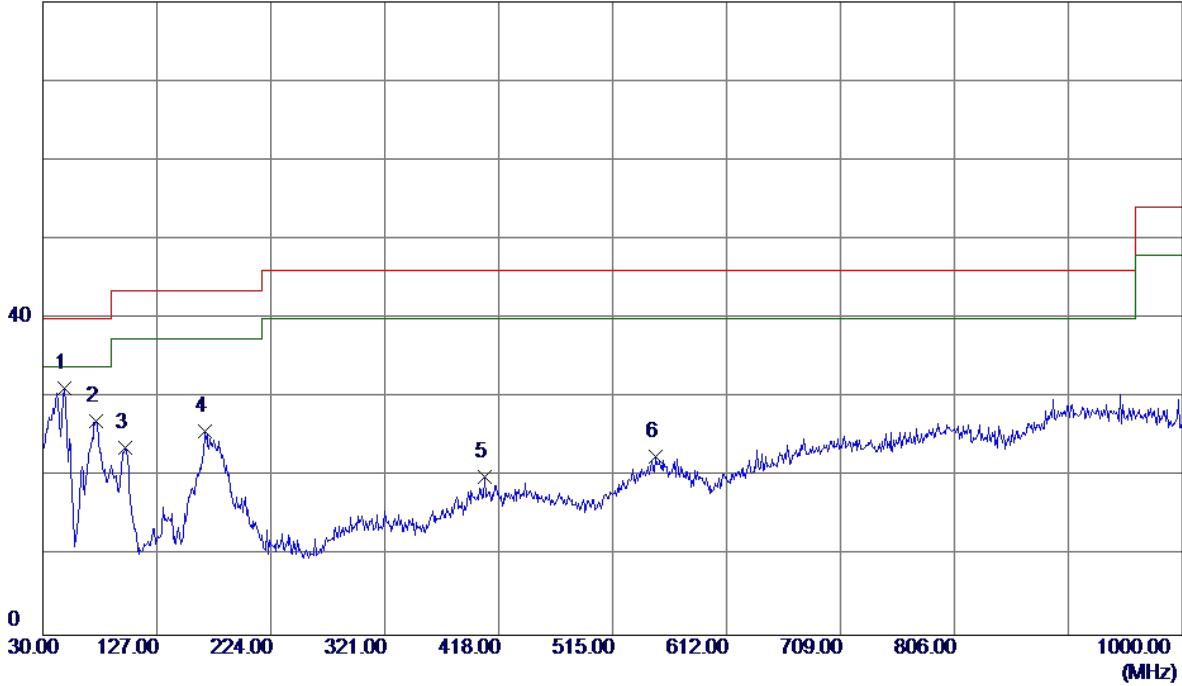
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.0105	29.25	24.09	53.34	127.18	-73.84	AVG	
2		0.0152	28.36	23.81	52.17	123.97	-71.80	AVG	
3	*	0.0328	30.26	21.94	52.20	117.29	-65.09	AVG	

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

Test Mode: TX B MODE CHANNEL 01_Adapter: BYD

Vertical

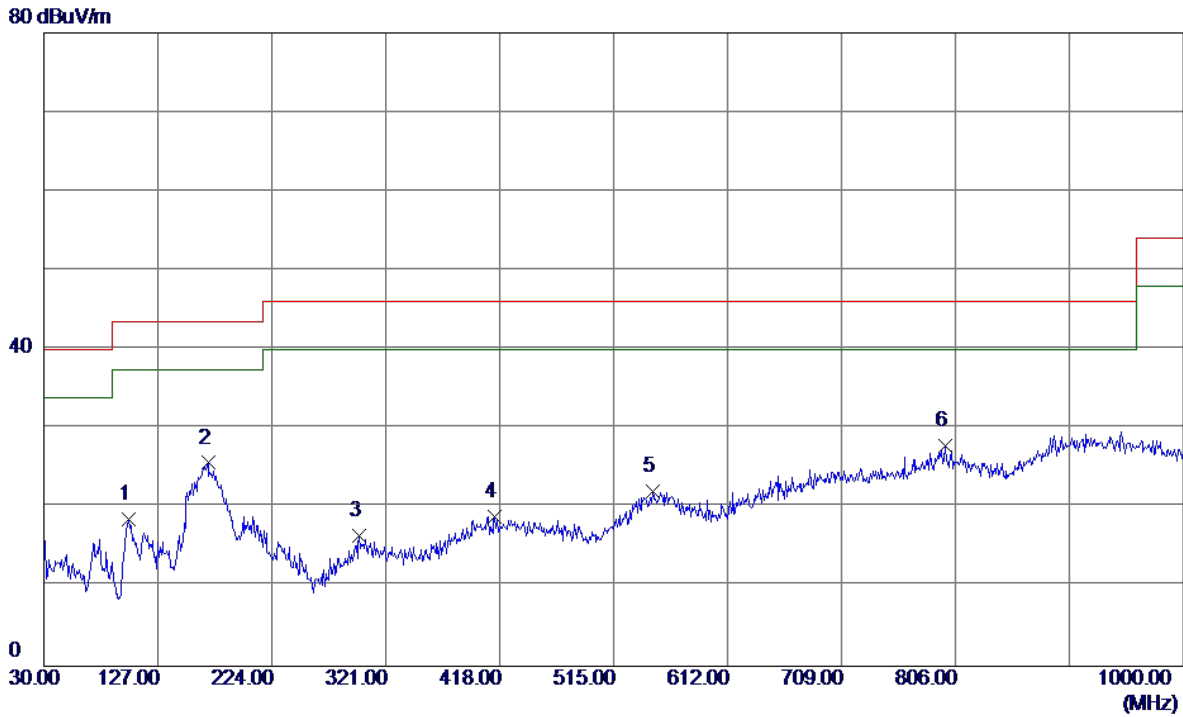
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	48.4300	44.29	-13.11	31.18	40.00	-8.82	Peak	
2	75.5899	43.52	-16.52	27.00	40.00	-13.00	Peak	
3	99.8399	39.18	-15.52	23.66	43.50	-19.84	Peak	
4	167.7400	38.03	-12.22	25.81	43.50	-17.69	Peak	
5	406.3599	27.85	-7.81	20.04	46.00	-25.96	Peak	
6	551.8600	27.21	-4.63	22.58	46.00	-23.42	Peak	

Test Mode: TX B MODE CHANNEL 01_Adapter: BYD

Horizontal

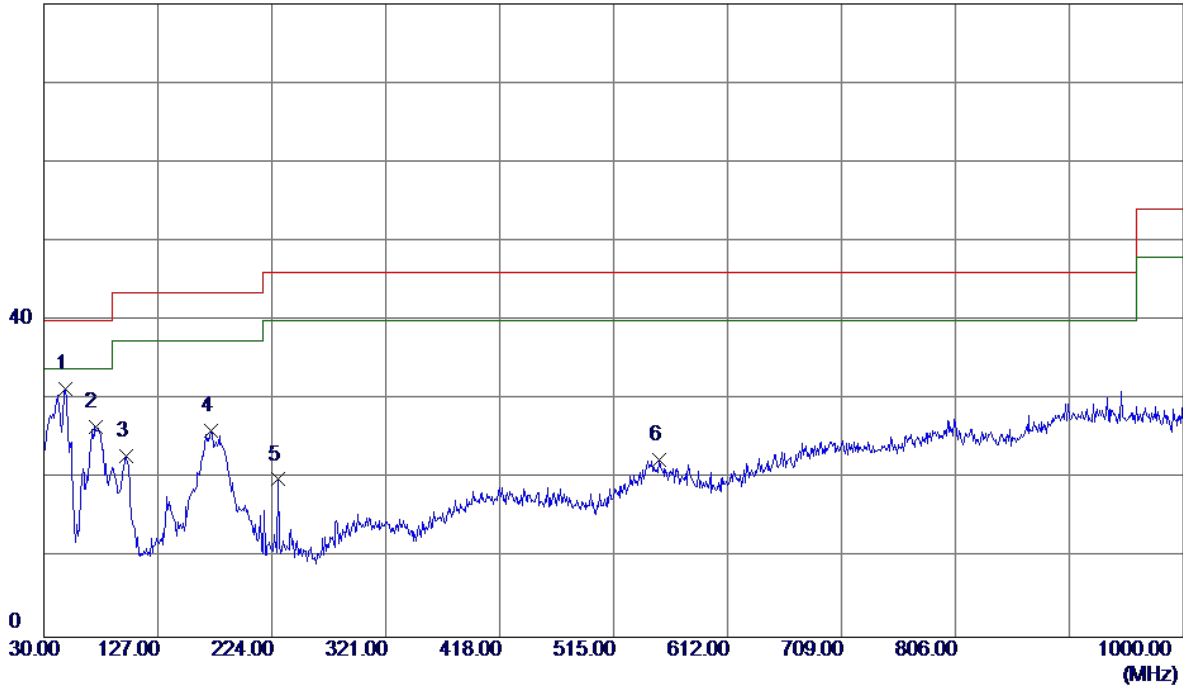


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	101.7800	33.84	-15.32	18.52	43.50	-24.98	Peak	
2 *	169.6799	37.92	-12.24	25.68	43.50	-17.82	Peak	
3	298.6900	26.85	-10.30	16.55	46.00	-29.45	Peak	
4	414.1200	26.74	-7.84	18.90	46.00	-27.10	Peak	
5	547.9800	26.84	-4.75	22.09	46.00	-23.91	Peak	
6	797.2700	27.75	0.14	27.89	46.00	-18.11	Peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: BYD

Vertical

80 dBuV/m

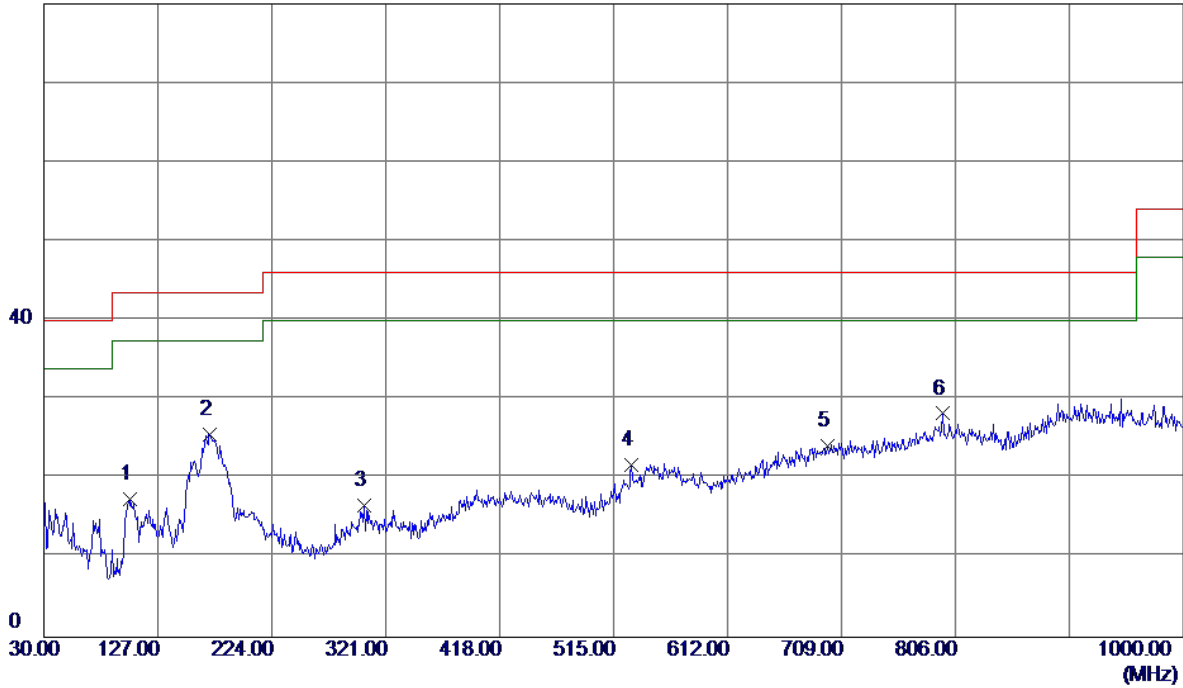


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	48.4300	44.44	-13.11	31.33	40.00	-8.67	Peak	
2	73.6500	43.17	-16.57	26.60	40.00	-13.40	Peak	
3	99.8399	38.43	-15.52	22.91	43.50	-20.59	Peak	
4	172.5900	38.46	-12.40	26.06	43.50	-17.44	Peak	
5	229.8200	33.30	-13.38	19.92	46.00	-26.08	Peak	
6	553.8000	27.10	-4.73	22.37	46.00	-23.63	Peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: BYD

Horizontal

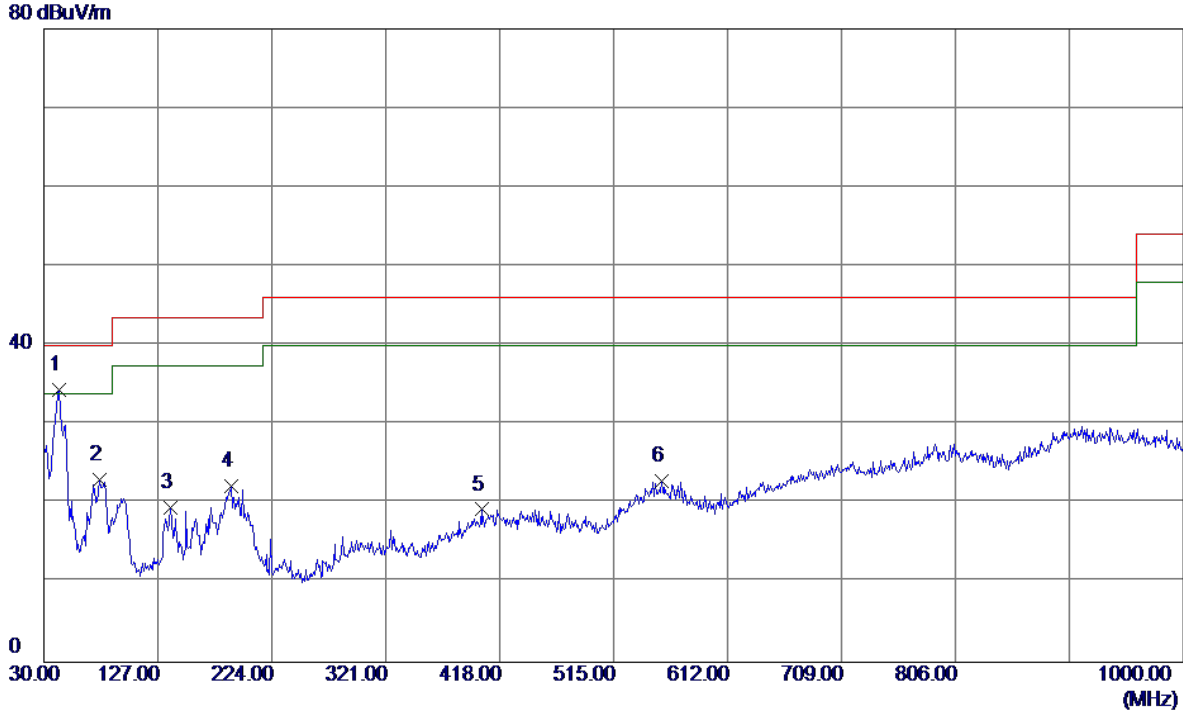
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	103.7200	32.62	-15.16	17.46	43.50	-26.04	Peak	
2	171.6200	37.95	-12.34	25.61	43.50	-17.89	Peak	
3	302.5700	26.79	-10.21	16.58	46.00	-29.42	Peak	
4	530.5200	28.32	-6.56	21.76	46.00	-24.24	Peak	
5	697.3600	26.30	-2.21	24.09	46.00	-21.91	Peak	
6 *	795.3300	28.19	0.05	28.24	46.00	-17.76	Peak	

Test Mode: TX B MODE CHANNEL 01_Adapter: PHITEK

Vertical

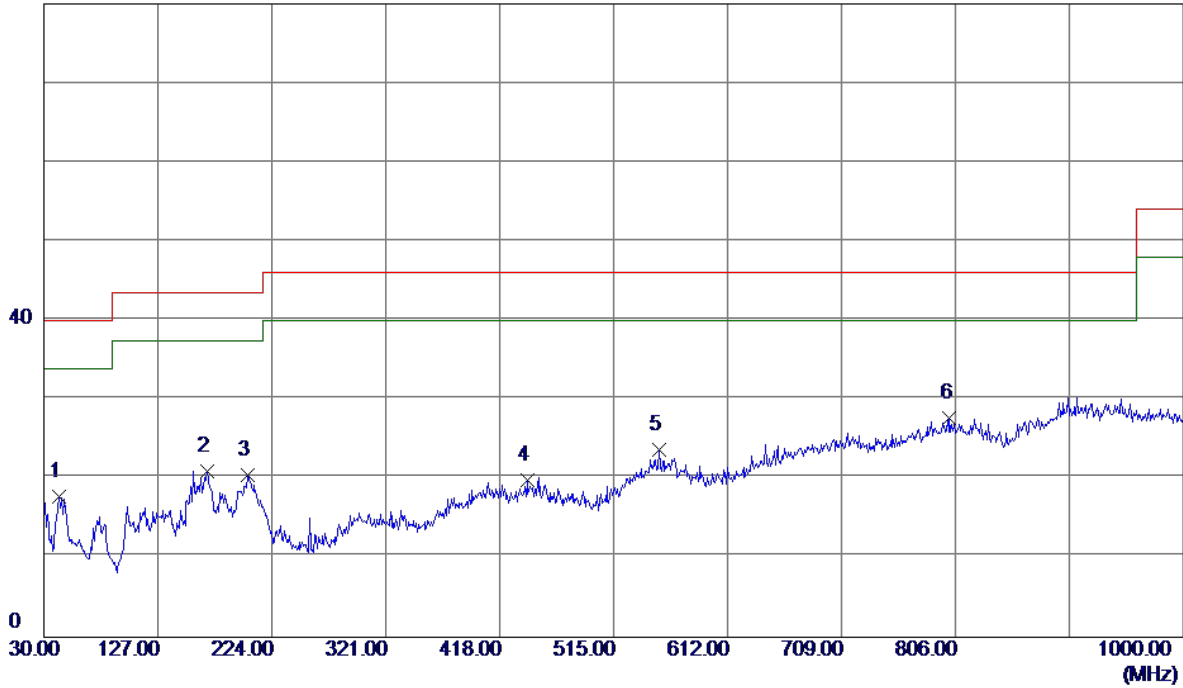


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	42.6100	47.78	-13.36	34.42	40.00	-5.58	Peak	
2	77.5300	39.29	-16.31	22.98	40.00	-17.02	Peak	
3	137.6700	32.88	-13.43	19.45	43.50	-24.05	Peak	
4	189.0800	36.04	-13.83	22.21	43.50	-21.29	Peak	
5	402.4800	27.07	-7.79	19.28	46.00	-26.72	Peak	
6	555.7400	27.70	-4.83	22.87	46.00	-23.13	Peak	

Test Mode: TX B MODE CHANNEL 01_Adapter: PHITEK

Horizontal

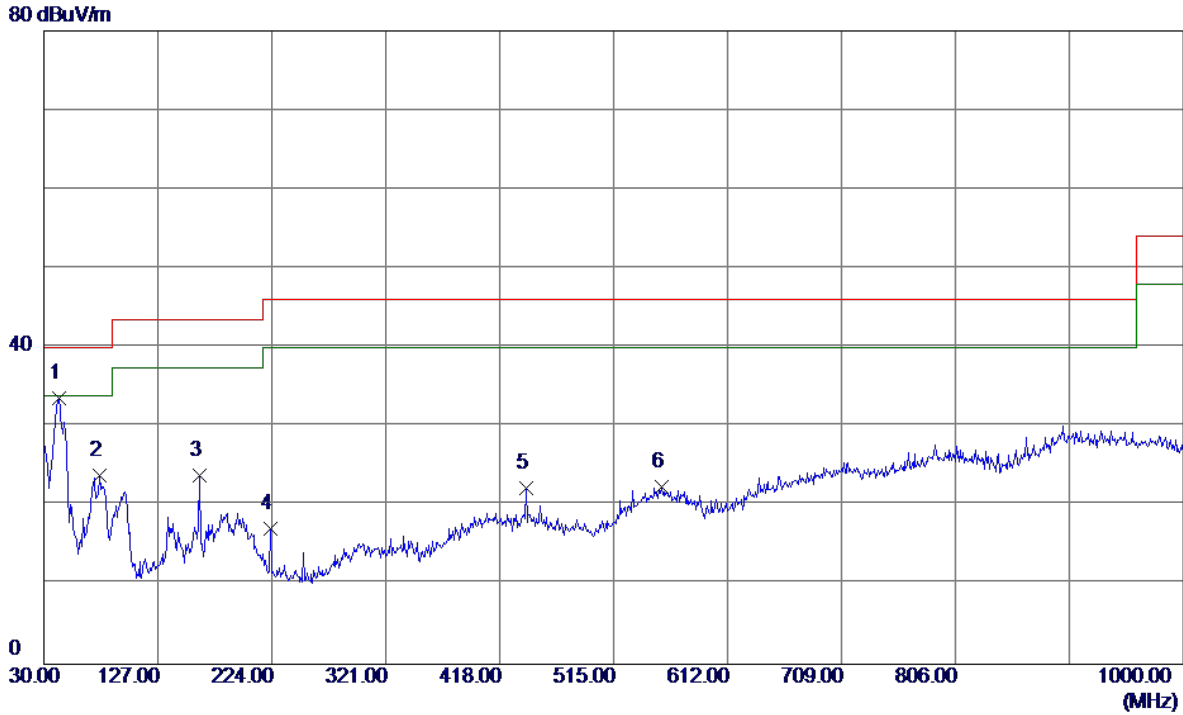
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	42.6100	31.16	-13.36	17.80	40.00	-22.20	Peak	
2	168.7100	33.16	-12.23	20.93	43.50	-22.57	Peak	
3	203.6300	35.04	-14.51	20.53	43.50	-22.97	Peak	
4	441.2800	27.84	-7.96	19.88	46.00	-26.12	Peak	
5	553.8000	28.38	-4.73	23.65	46.00	-22.35	Peak	
6 *	801.1500	27.44	0.23	27.67	46.00	-18.33	Peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: PHITEK

Vertical

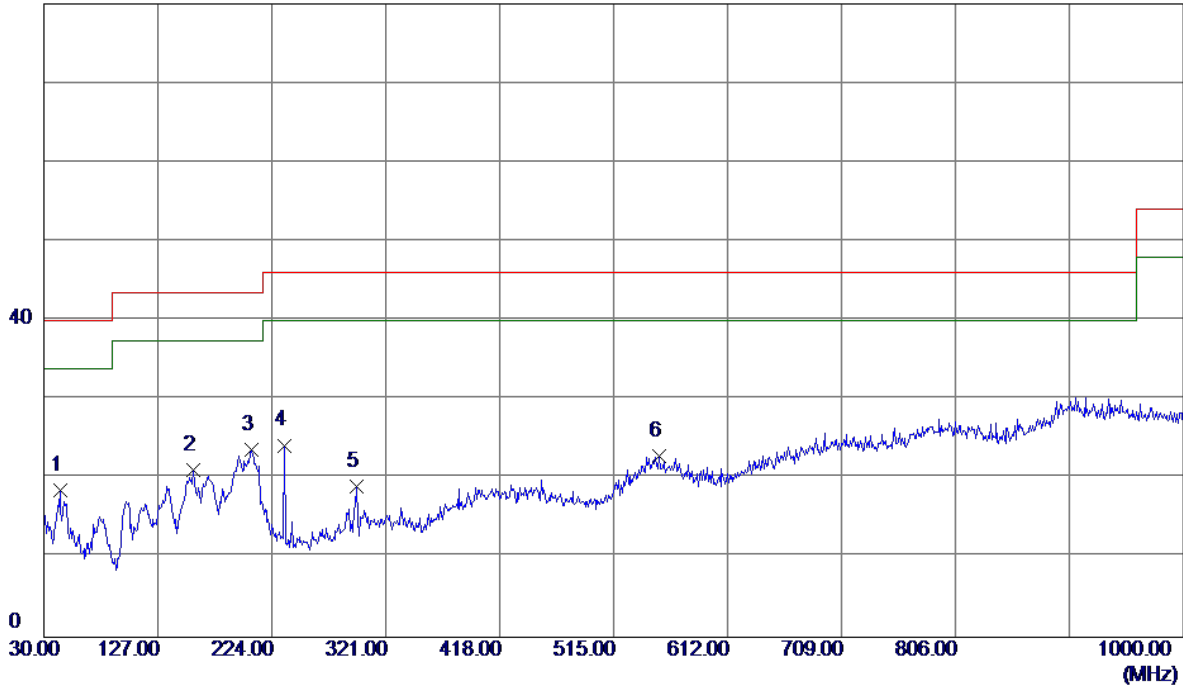


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	42.6100	46.93	-13.36	33.57	40.00	-6.43	Peak	
2	77.5300	40.13	-16.31	23.82	40.00	-16.18	Peak	
3	162.8900	35.96	-12.17	23.79	43.50	-19.71	Peak	
4	223.0300	31.07	-13.99	17.08	46.00	-28.92	Peak	
5	440.3100	30.17	-7.96	22.21	46.00	-23.79	Peak	
6	555.7400	27.26	-4.83	22.43	46.00	-23.57	Peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: PHITEK

Horizontal

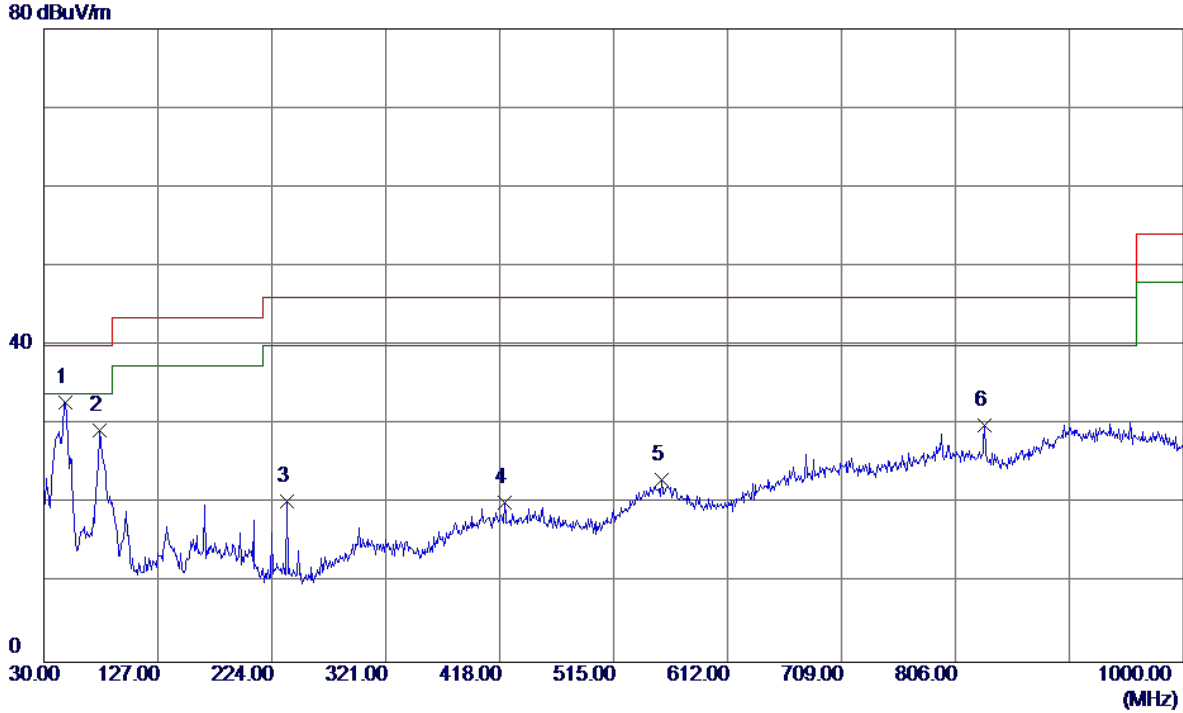
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	43.5800	31.69	-13.16	18.53	40.00	-21.47	Peak	
2	157.0700	33.47	-12.38	21.09	43.50	-22.41	Peak	
3 *	206.5399	38.31	-14.57	23.74	43.50	-19.76	Peak	
4	234.6700	37.80	-13.56	24.24	46.00	-21.76	Peak	
5	295.7800	29.67	-10.62	19.05	46.00	-26.95	Peak	
6	553.8000	27.61	-4.73	22.88	46.00	-23.12	Peak	

Test Mode: TX B MODE CHANNEL 01_Adapter: Huntkey

Vertical

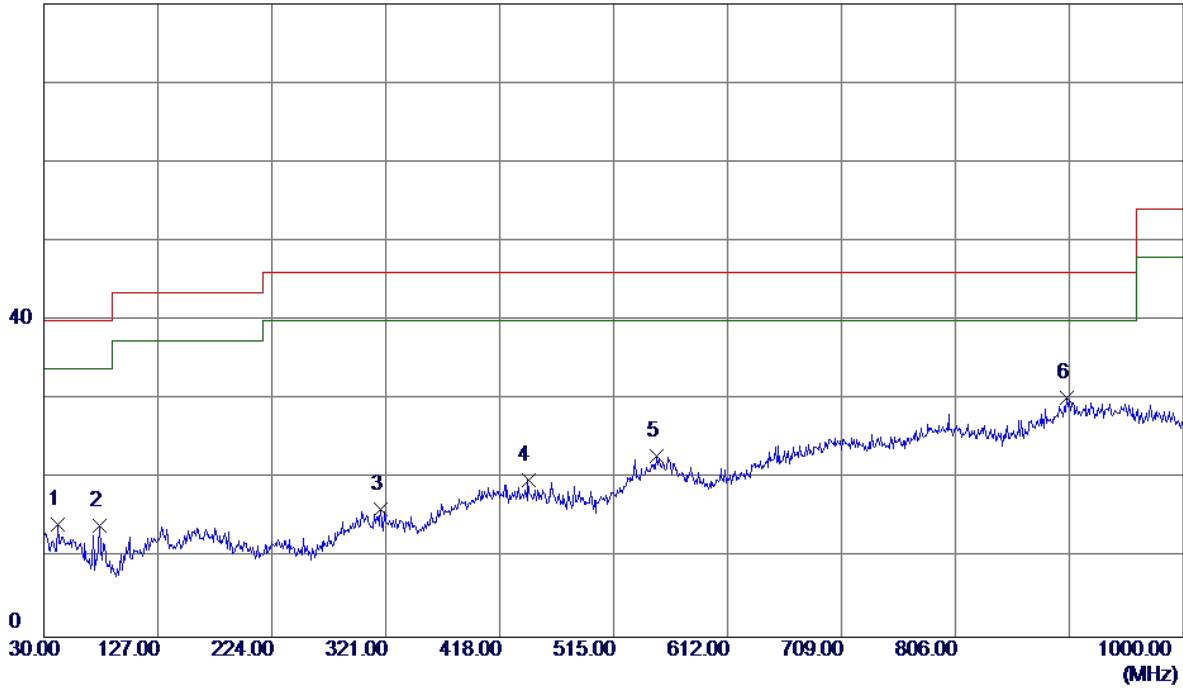


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	48.4300	45.98	-13.11	32.87	40.00	-7.13	Peak	
2	77.5300	45.52	-16.31	29.21	40.00	-10.79	Peak	
3	236.6100	33.95	-13.64	20.31	46.00	-25.69	Peak	
4	421.8800	28.11	-7.88	20.23	46.00	-25.77	Peak	
5	555.7400	27.91	-4.83	23.08	46.00	-22.92	Peak	
6	831.2199	30.56	-0.68	29.88	46.00	-16.12	Peak	

Test Mode: TX B MODE CHANNEL 01_Adapter: Huntkey

Horizontal

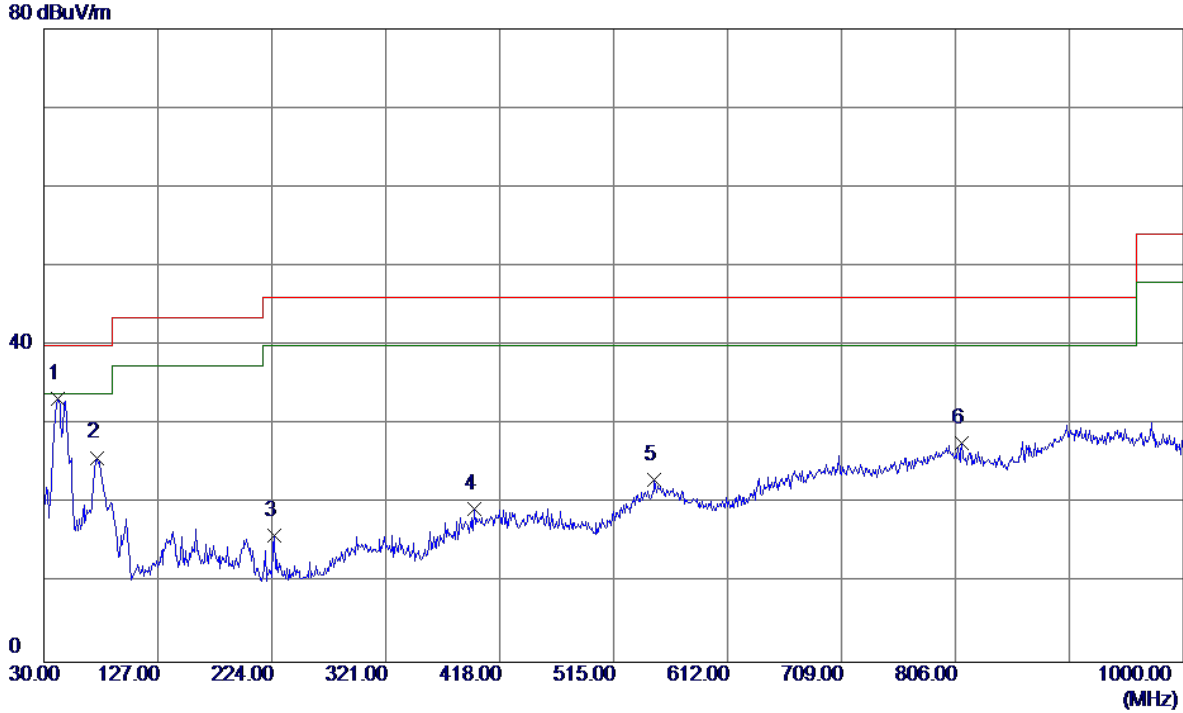
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	41.6400	27.82	-13.57	14.25	40.00	-25.75	Peak	
2	77.5300	30.39	-16.31	14.08	40.00	-25.92	Peak	
3	317.1200	26.64	-10.52	16.12	46.00	-29.88	Peak	
4	442.2500	27.78	-7.97	19.81	46.00	-26.19	Peak	
5	551.8600	27.54	-4.63	22.91	46.00	-23.09	Peak	
6 *	901.0600	27.56	2.64	30.20	46.00	-15.80	Peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: Huntkey

Vertical

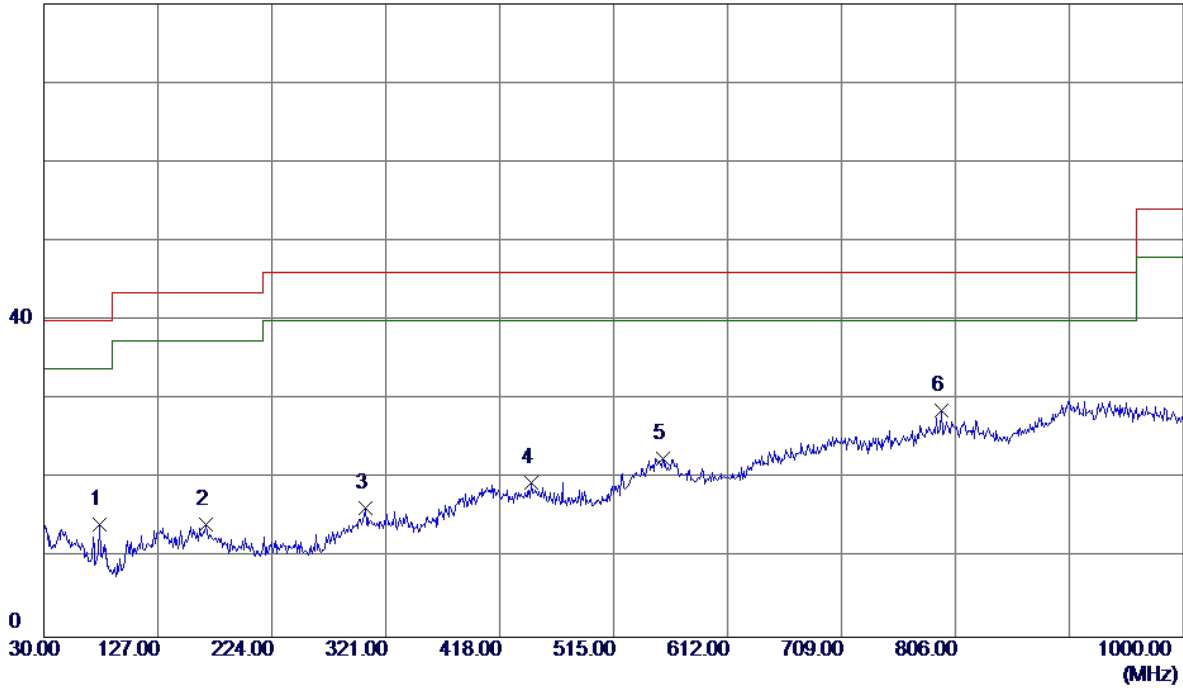


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	41.6400	46.87	-13.57	33.30	40.00	-6.70	Peak	
2	75.5899	42.36	-16.52	25.84	40.00	-14.16	Peak	
3	225.9400	29.77	-13.73	16.04	46.00	-29.96	Peak	
4	396.6600	27.31	-8.01	19.30	46.00	-26.70	Peak	
5	549.9200	27.63	-4.55	23.08	46.00	-22.92	Peak	
6	811.8200	27.74	-0.10	27.64	46.00	-18.36	Peak	

Test Mode: TX B MODE CHANNEL 11_Adapter: Huntkey

Horizontal

80 dBuV/m



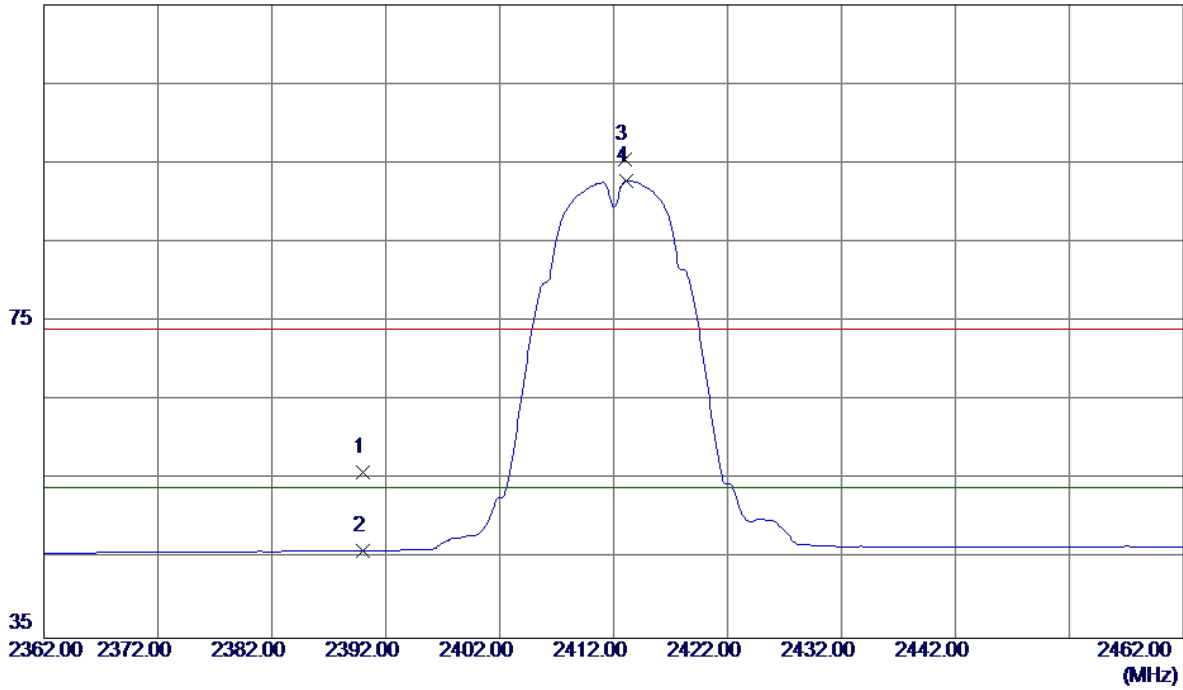
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	77.5300	30.50	-16.31	14.19	40.00	-25.81	Peak	
2	167.7400	26.42	-12.22	14.20	43.50	-29.30	Peak	
3	303.5400	26.62	-10.24	16.38	46.00	-29.62	Peak	
4	445.1600	27.53	-7.98	19.55	46.00	-26.45	Peak	
5	556.7100	27.51	-4.88	22.63	46.00	-23.37	Peak	
6 *	794.3600	28.56	0.01	28.57	46.00	-17.43	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

115 dBuV/m

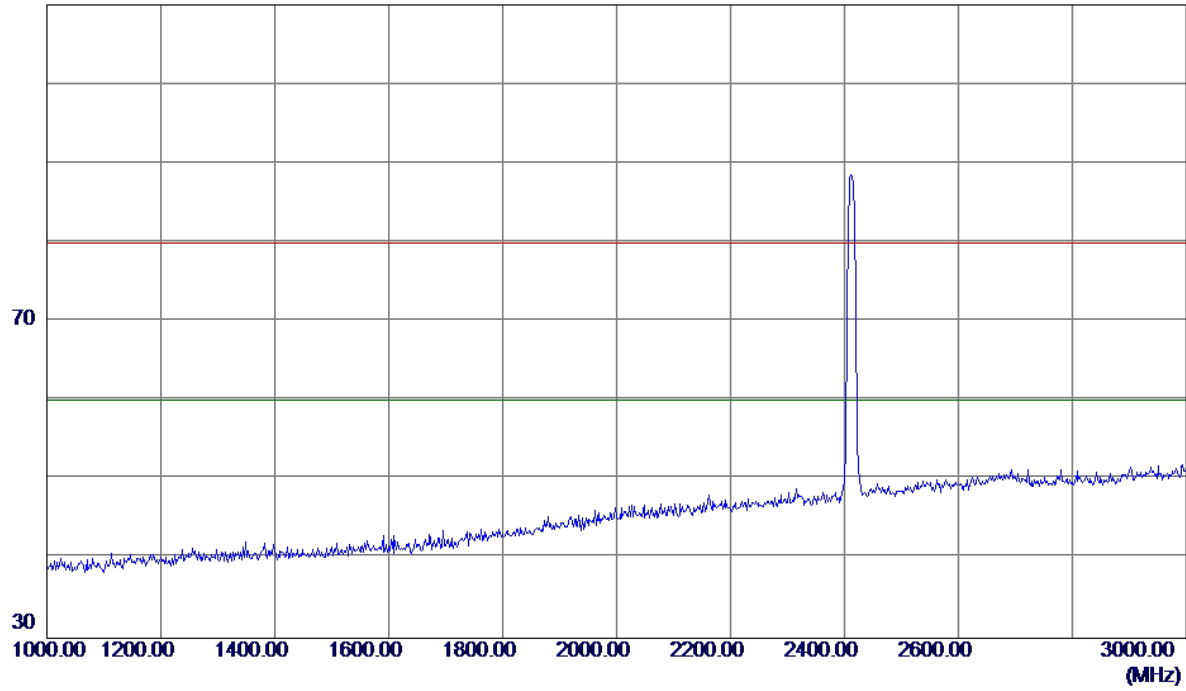


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.93	33.01	55.94	74.00	-18.06	Peak	
2	2390.0000	13.05	33.01	46.06	54.00	-7.94	AVG	
3	2413.0000	62.42	33.11	95.53	74.00	21.53	Peak	No Limit
4 *	2413.1000	59.65	33.11	92.76	54.00	38.76	AVG	No Limit

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

Vertical

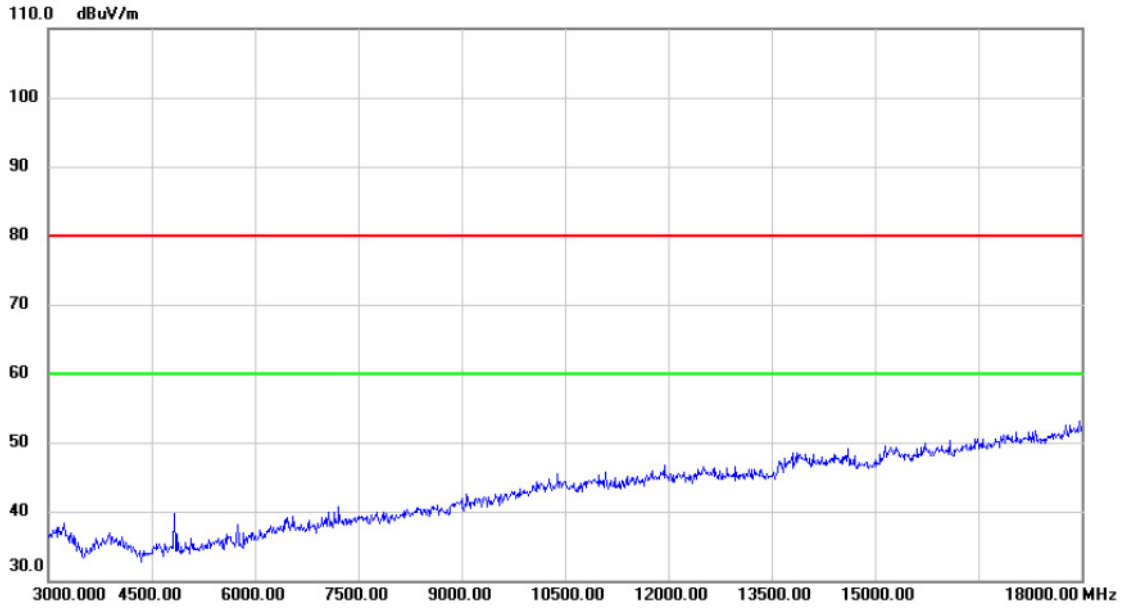
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

Vertical

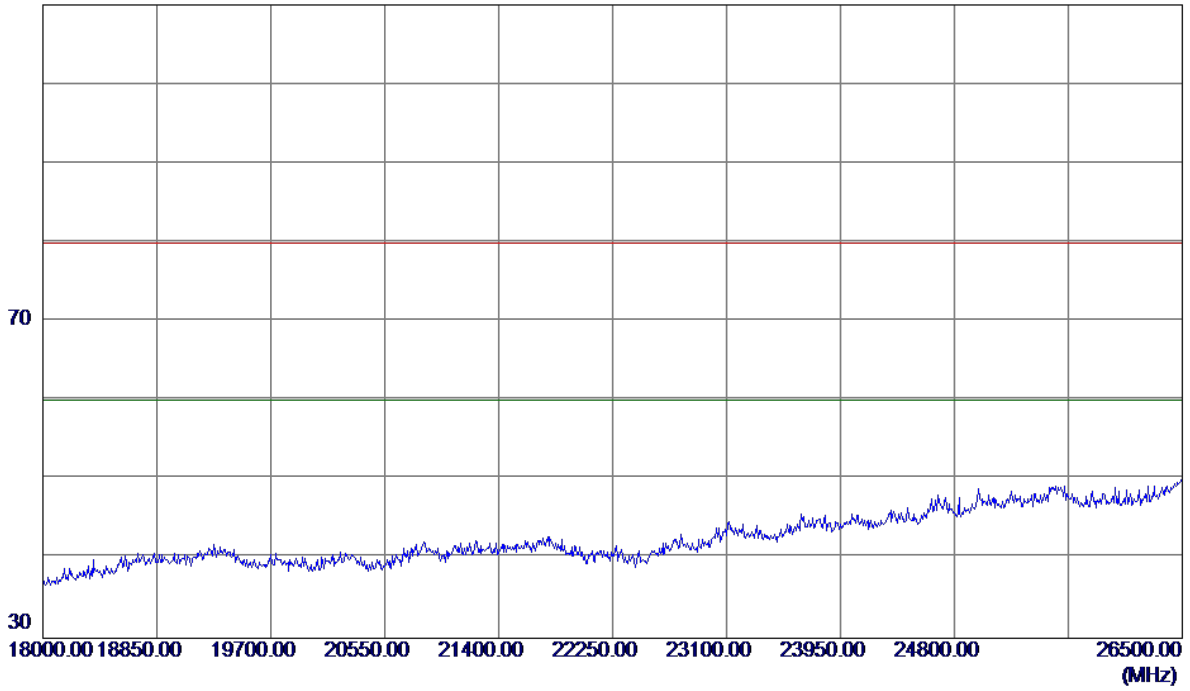


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

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

Vertical

110 dBuV/m

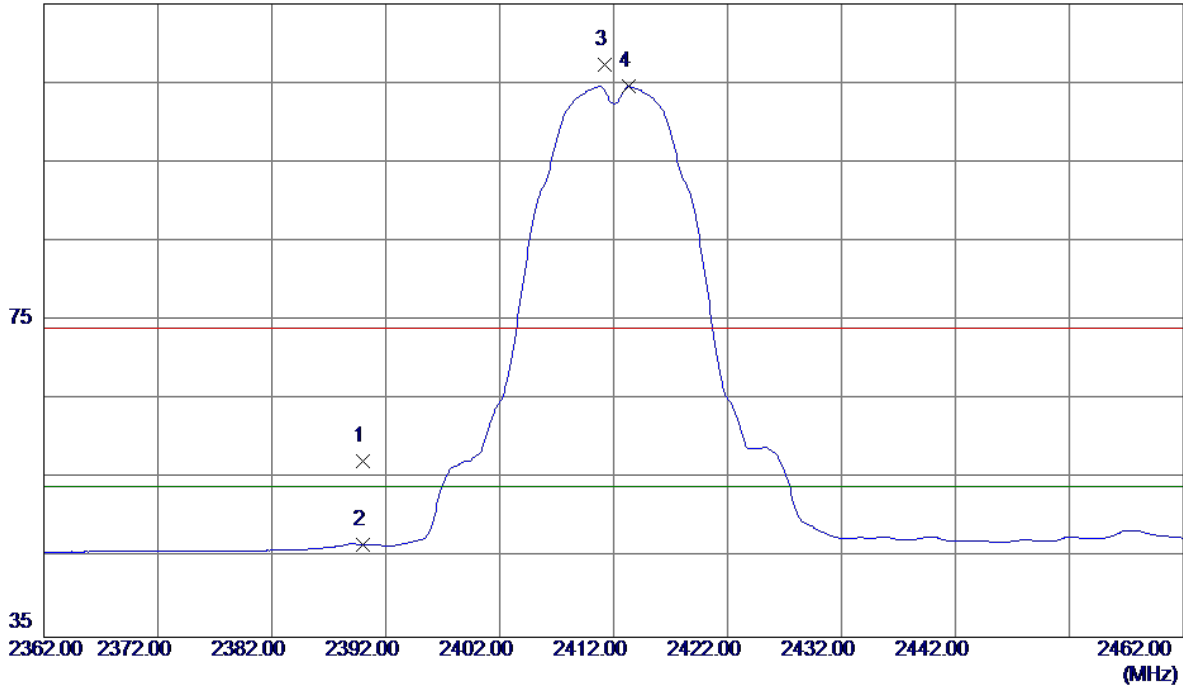


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

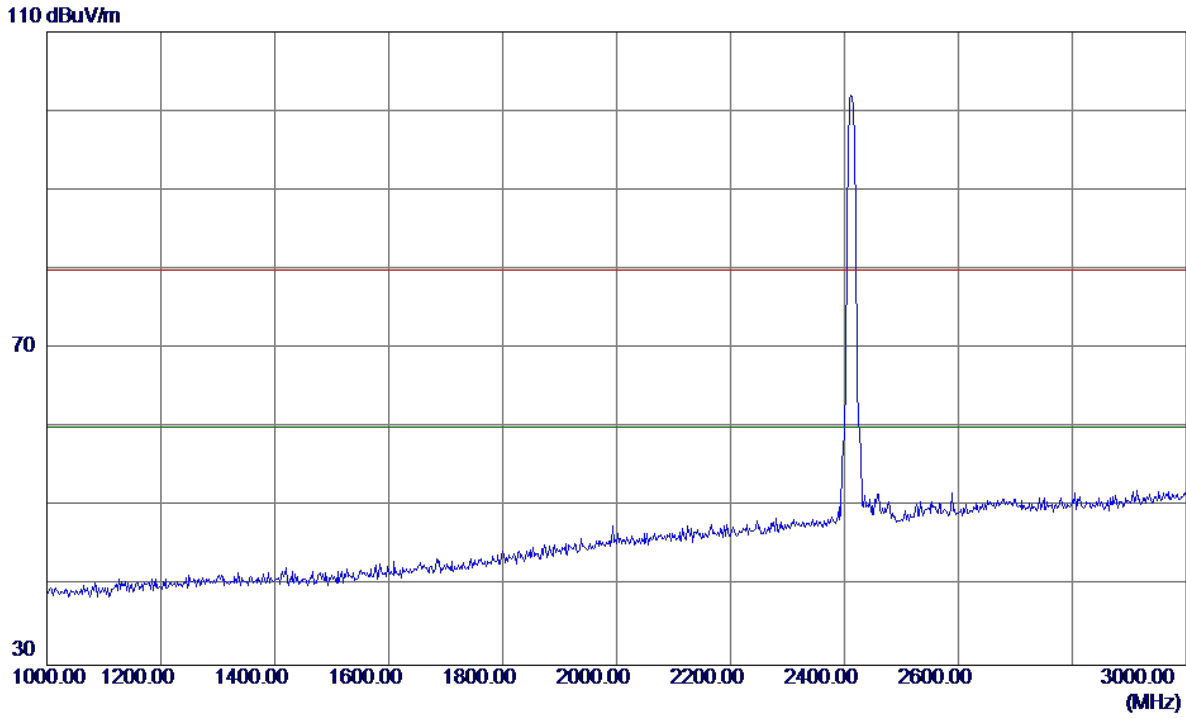
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.28	33.01	57.29	74.00	-16.71	Peak	
2	2390.0000	13.61	33.01	46.62	54.00	-7.38	AVG	
3	2411.2000	74.27	33.10	107.37	74.00	33.37	Peak	No Limit
4 *	2413.3000	71.46	33.11	104.57	54.00	50.57	AVG	No Limit

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

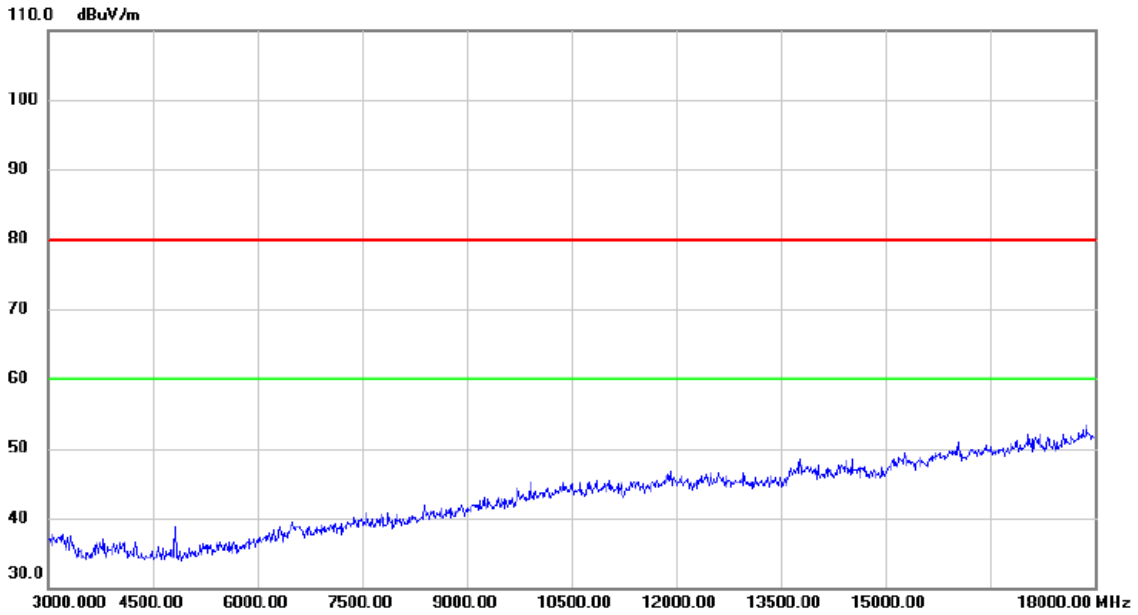
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

Horizontal



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

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

Horizontal

110 dBuV/m

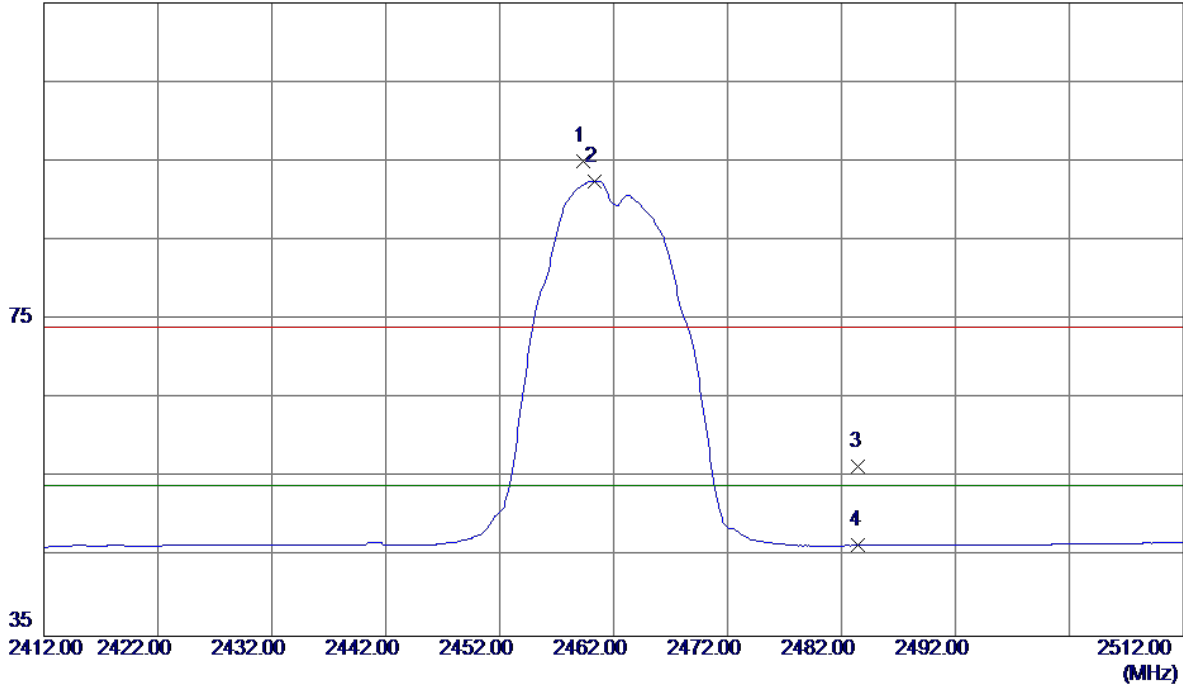


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

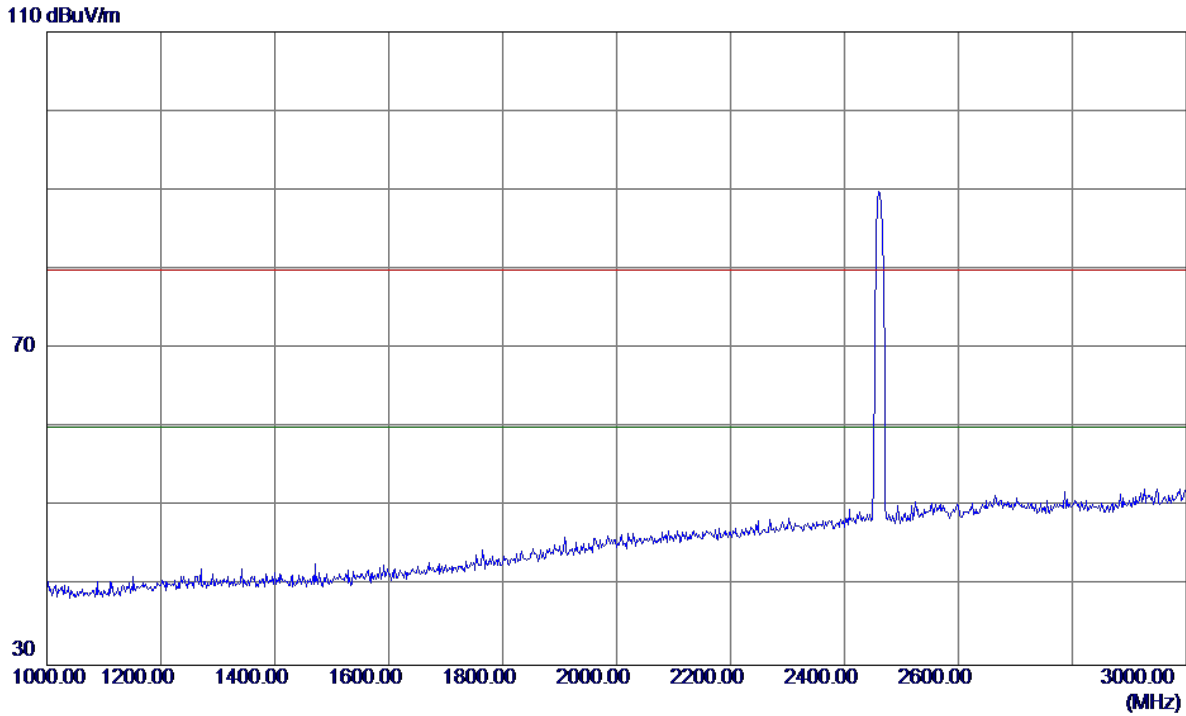
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.3000	61.77	33.30	95.07	74.00	21.07	Peak	No Limit
2 *	2460.3000	59.21	33.30	92.51	54.00	38.51	AVG	No Limit
3	2483.5000	23.04	33.40	56.44	74.00	-17.56	Peak	
4	2483.5000	13.05	33.40	46.45	54.00	-7.55	AVG	

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

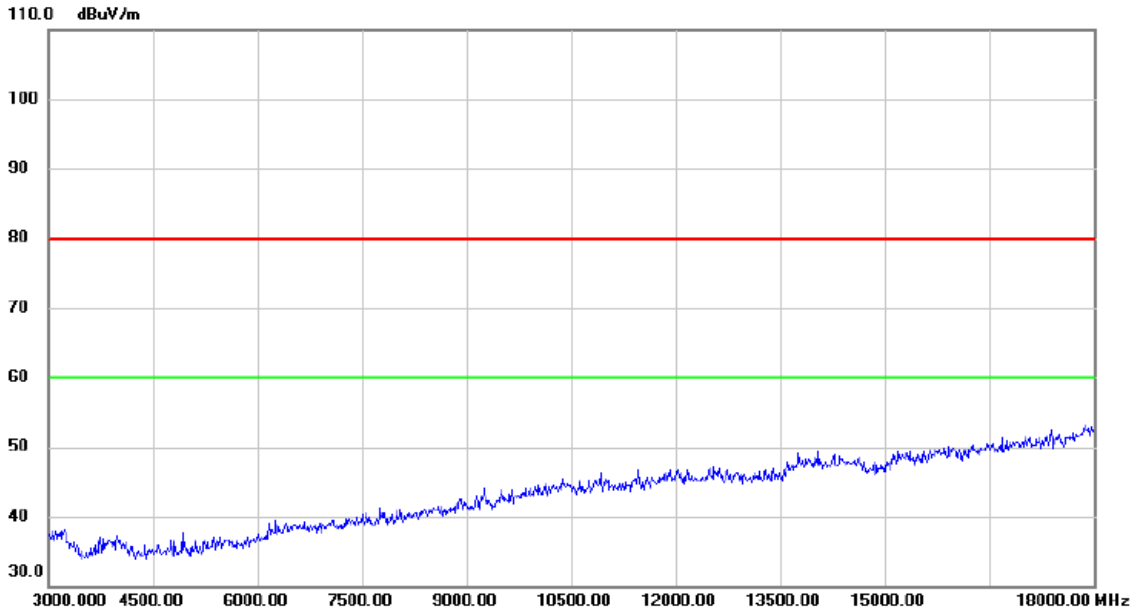
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

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

Vertical

110 dBuV/m

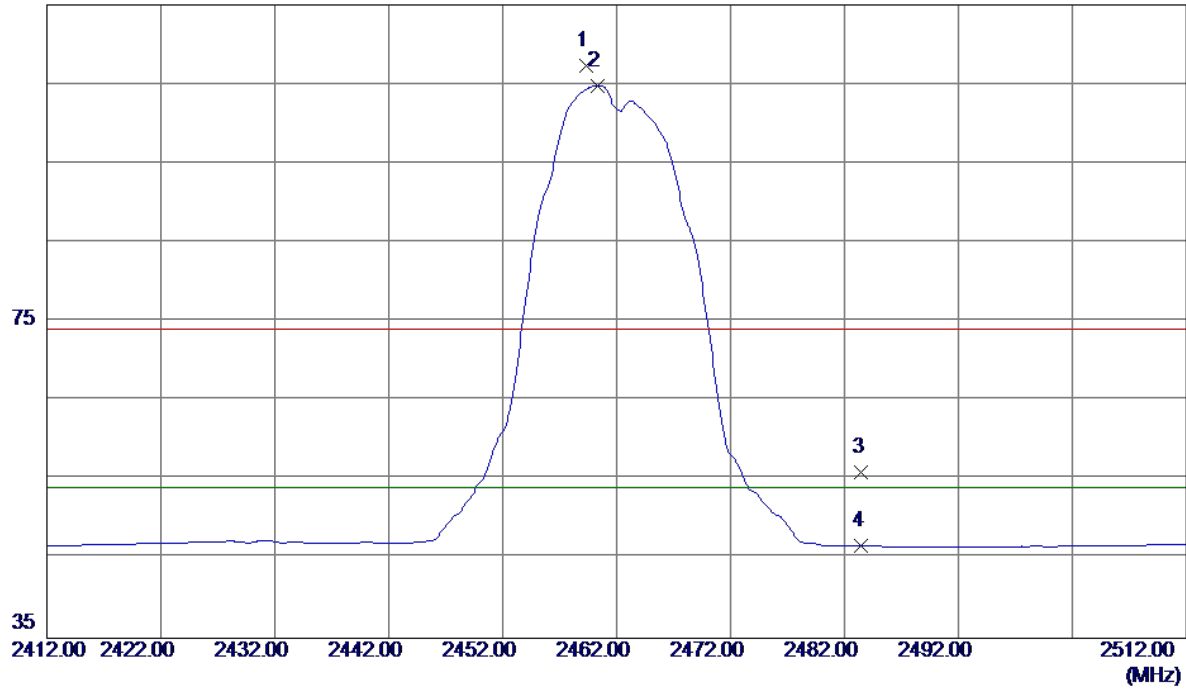


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

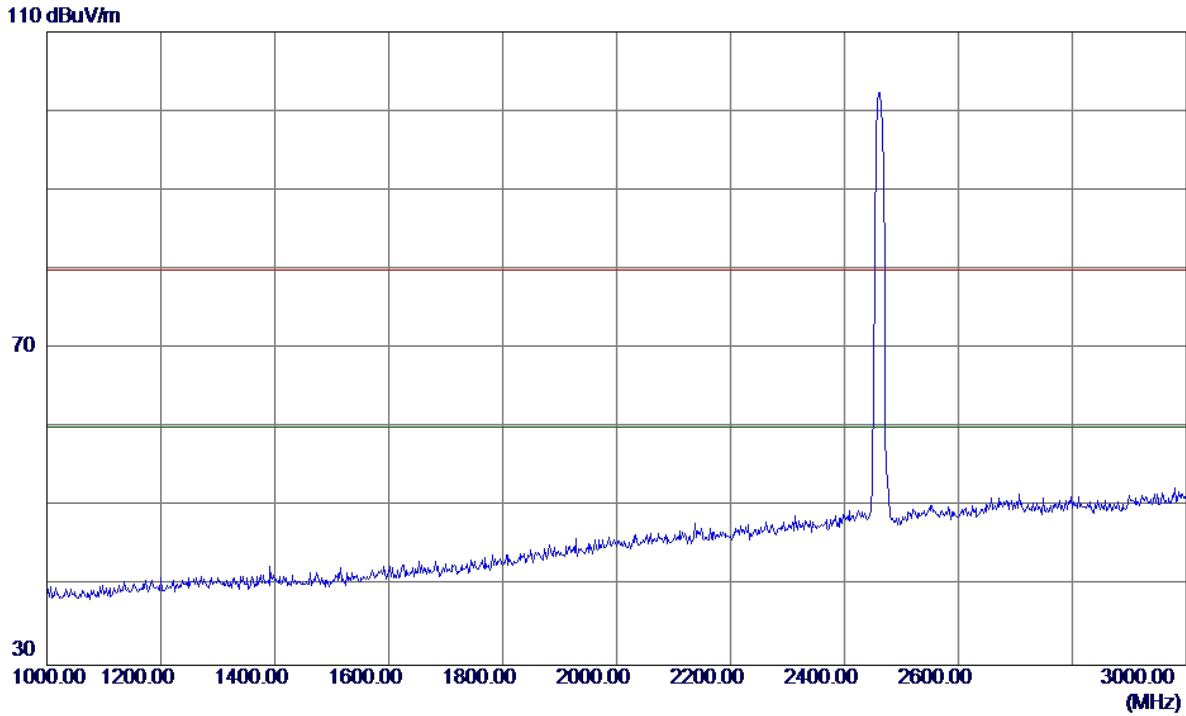
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.3000	74.05	33.30	107.35	74.00	33.35	Peak	No Limit
2 *	2460.3000	71.48	33.30	104.78	54.00	50.78	AVG	No Limit
3	2483.5000	22.50	33.40	55.90	74.00	-18.10	Peak	
4	2488.5000	13.29	33.40	46.69	54.00	-7.31	AVG	

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

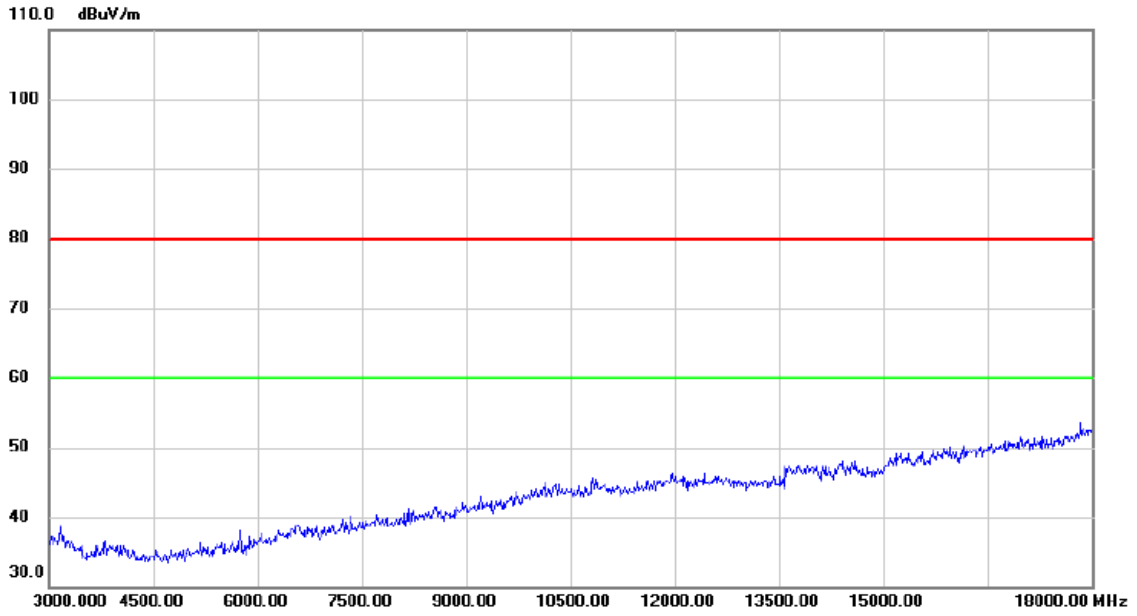
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

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

Horizontal

110 dBuV/m

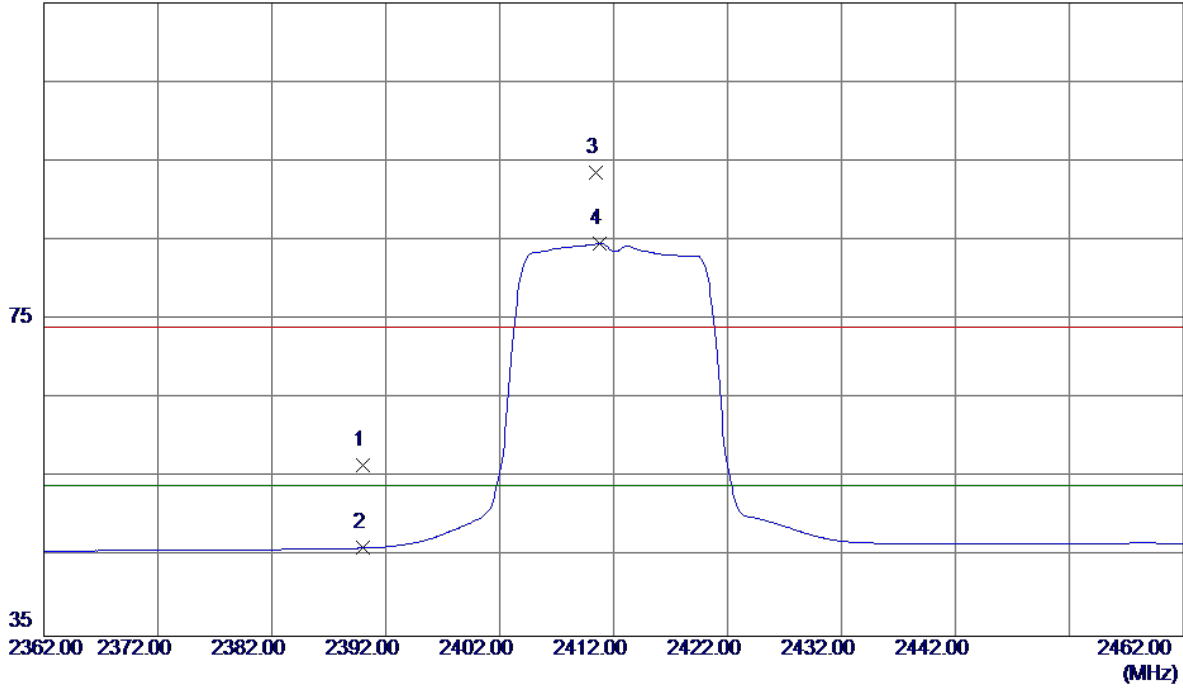


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

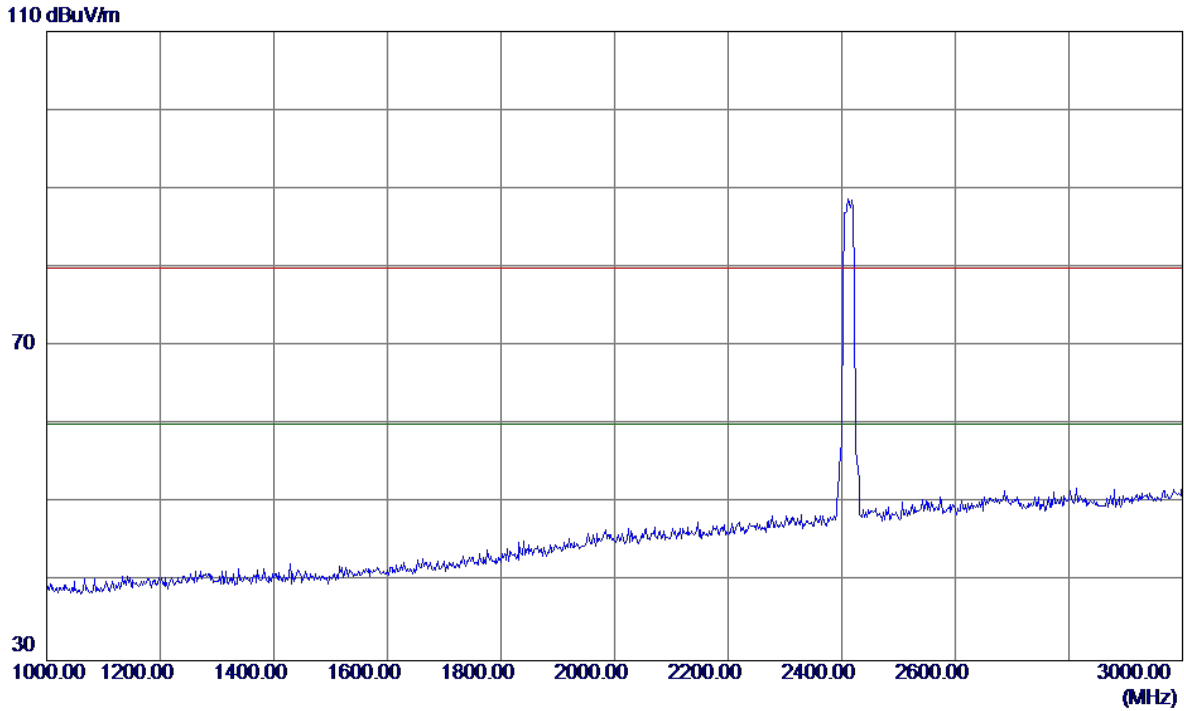
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.54	33.01	56.55	74.00	-17.45	Peak	
2	2390.0000	13.13	33.01	46.14	54.00	-7.86	AVG	
3	2410.4000	60.45	33.10	93.55	74.00	19.55	Peak	No Limit
4 *	2410.8000	51.52	33.10	84.62	54.00	30.62	AVG	No Limit

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

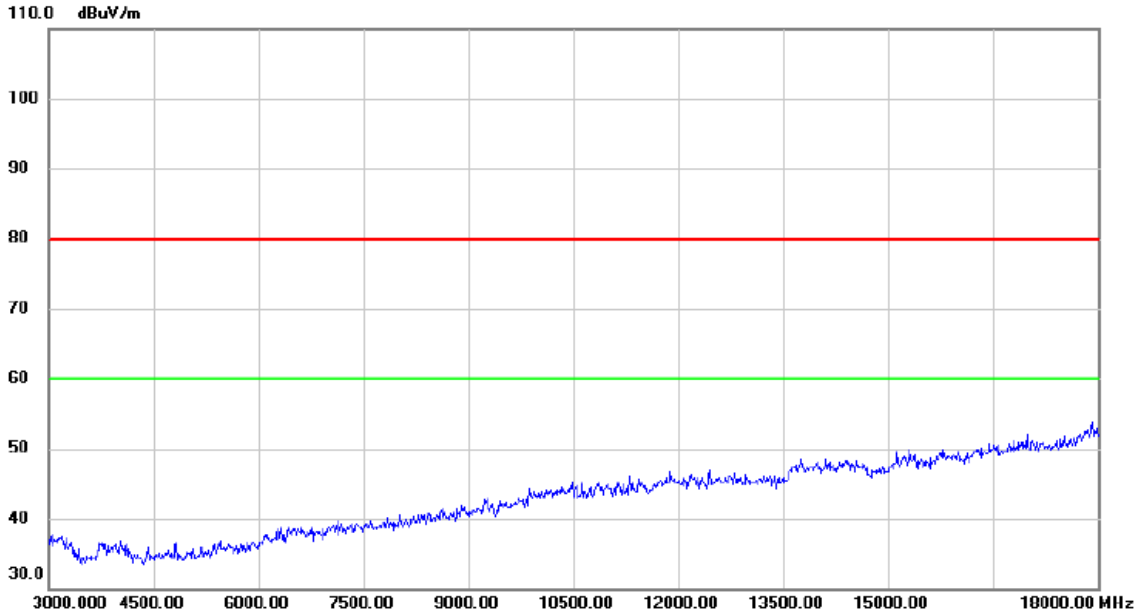
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
	2412	100		100	80	20		

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

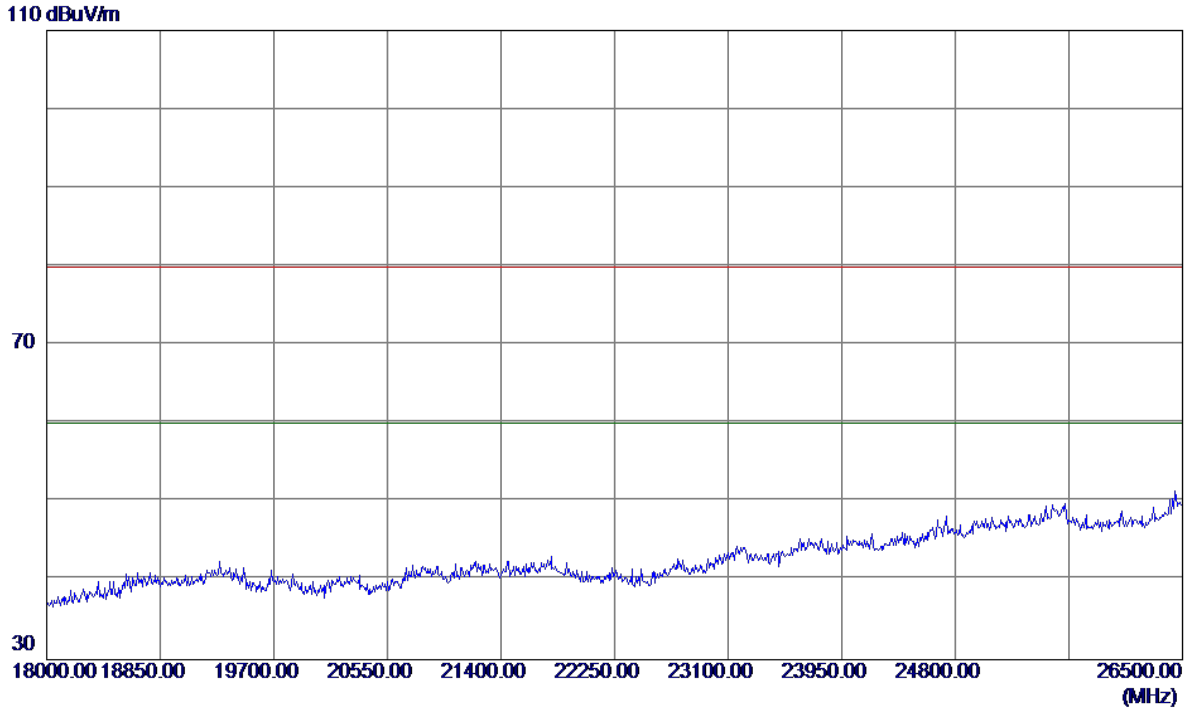
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

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

Vertical

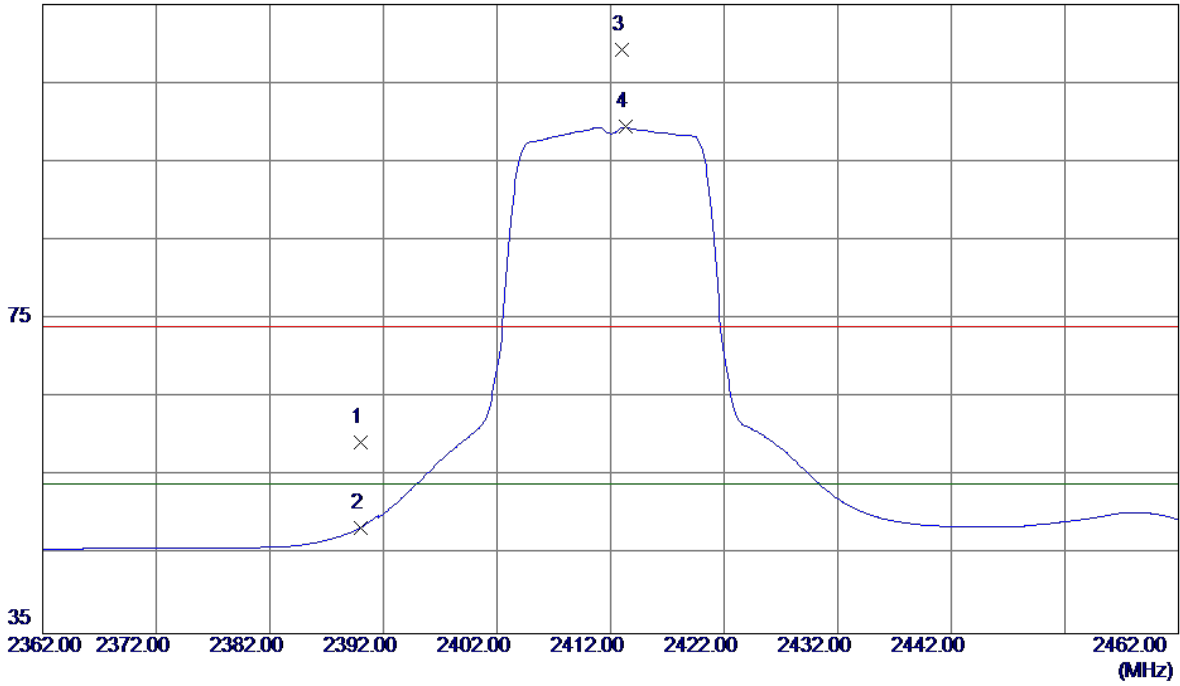


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

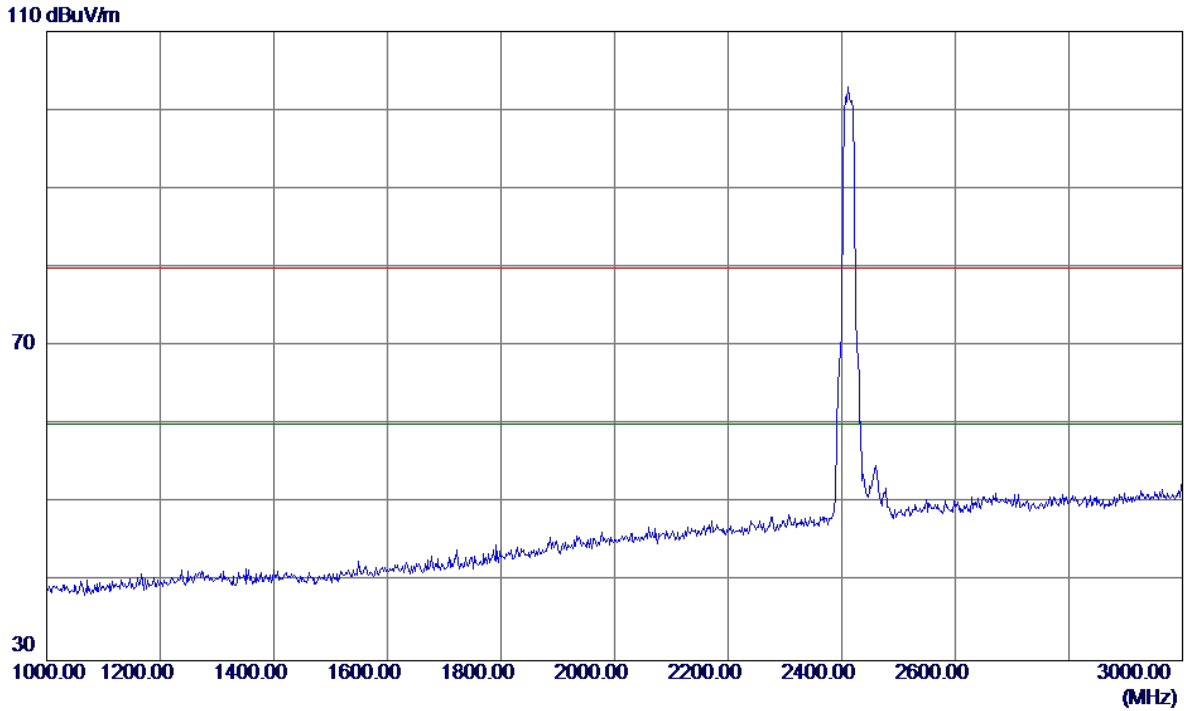
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	26.29	33.01	59.30	74.00	-14.70	Peak	
2	2390.0000	15.49	33.01	48.50	54.00	-5.50	AVG	
3	2413.0000	76.07	33.11	109.18	74.00	35.18	Peak	No Limit
4 *	2413.3000	66.30	33.11	99.41	54.00	45.41	AVG	No Limit

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

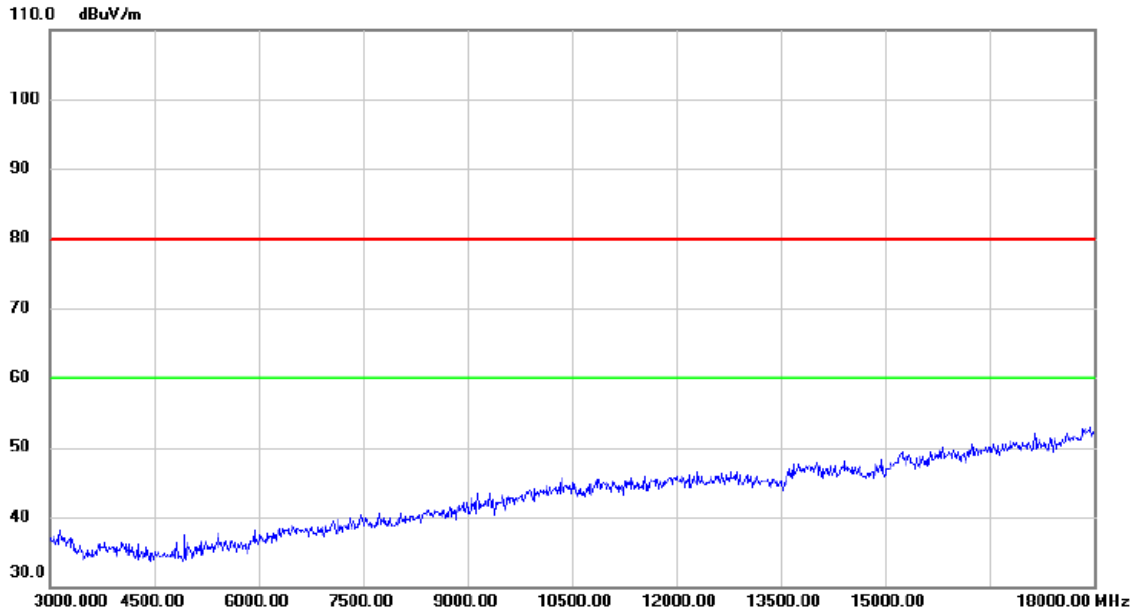
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
	2412	110		110	80	30		

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

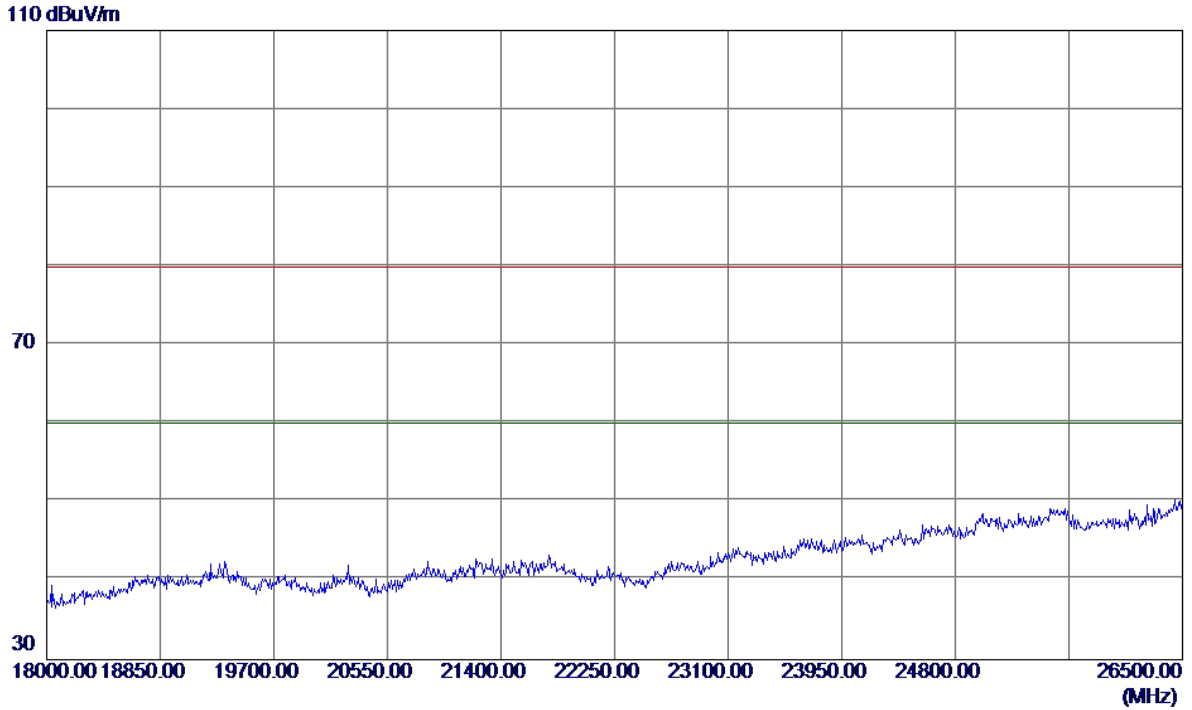
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

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

Horizontal

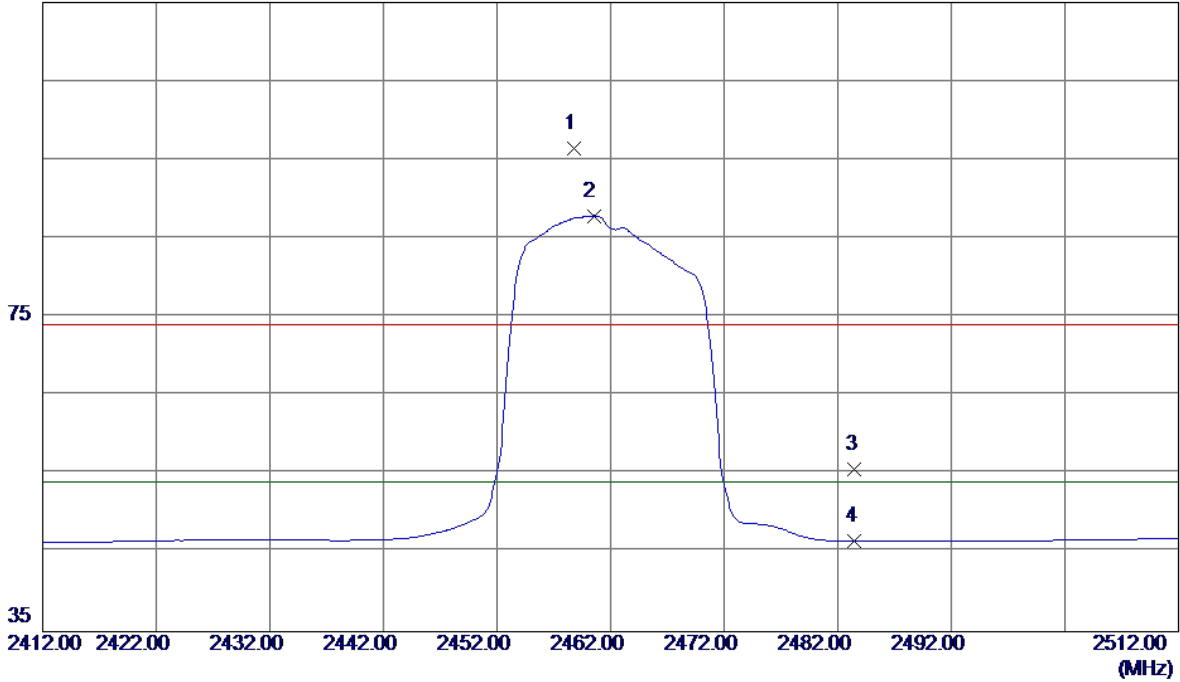


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

115 dBuV/m

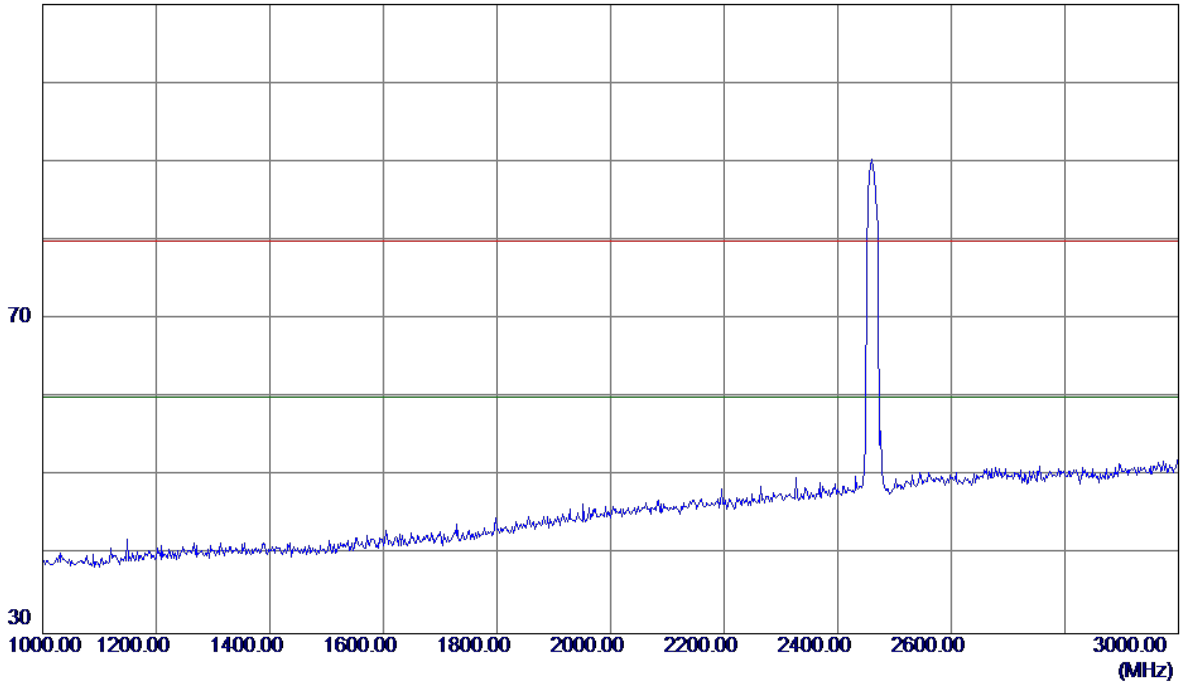


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2458.8000	63.14	33.30	96.44	74.00	22.44	Peak	No Limit
2 *	2460.5000	54.58	33.30	87.88	54.00	33.88	AVG	No Limit
3	2483.5000	22.25	33.40	55.65	74.00	-18.35	Peak	
4	2483.5000	13.13	33.40	46.53	54.00	-7.47	AVG	

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

Vertical

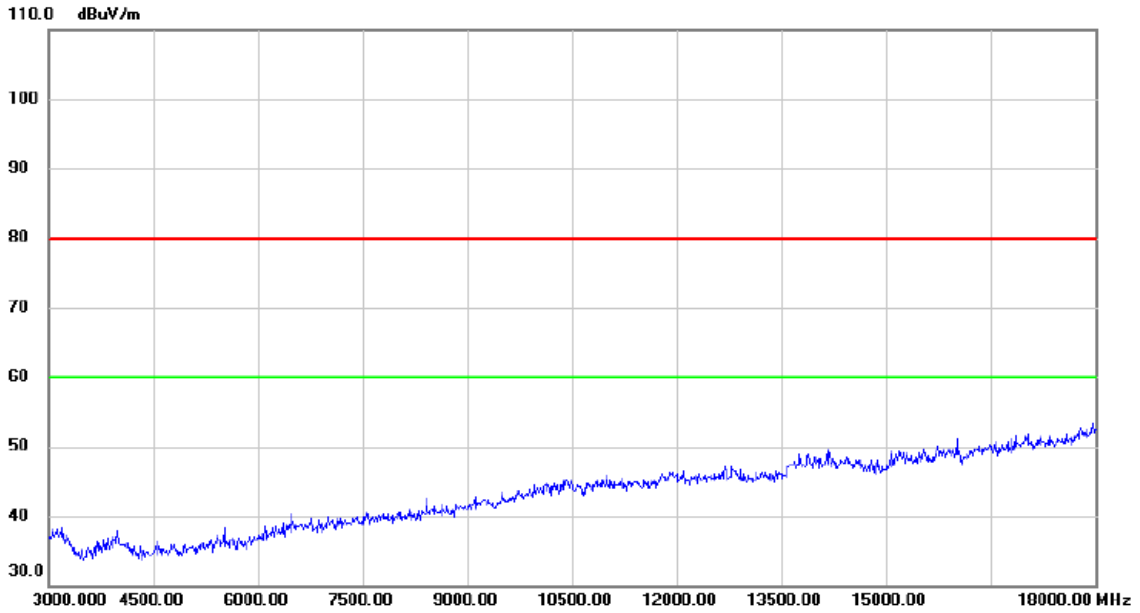
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

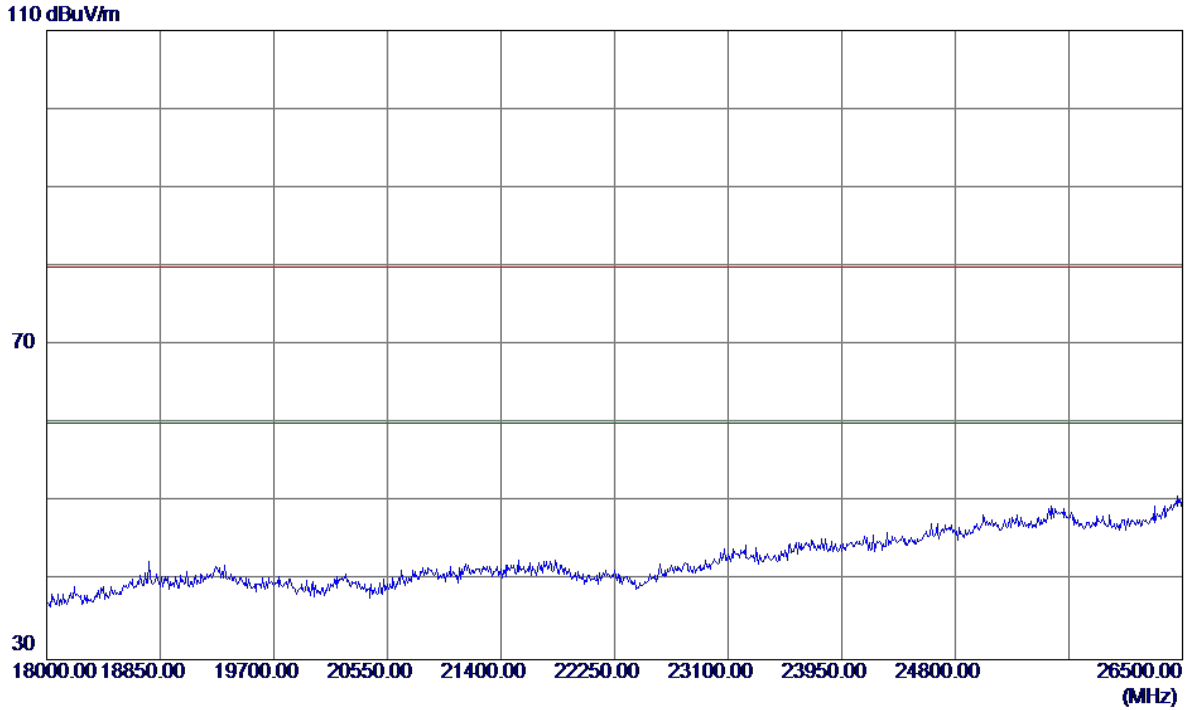
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

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

Vertical

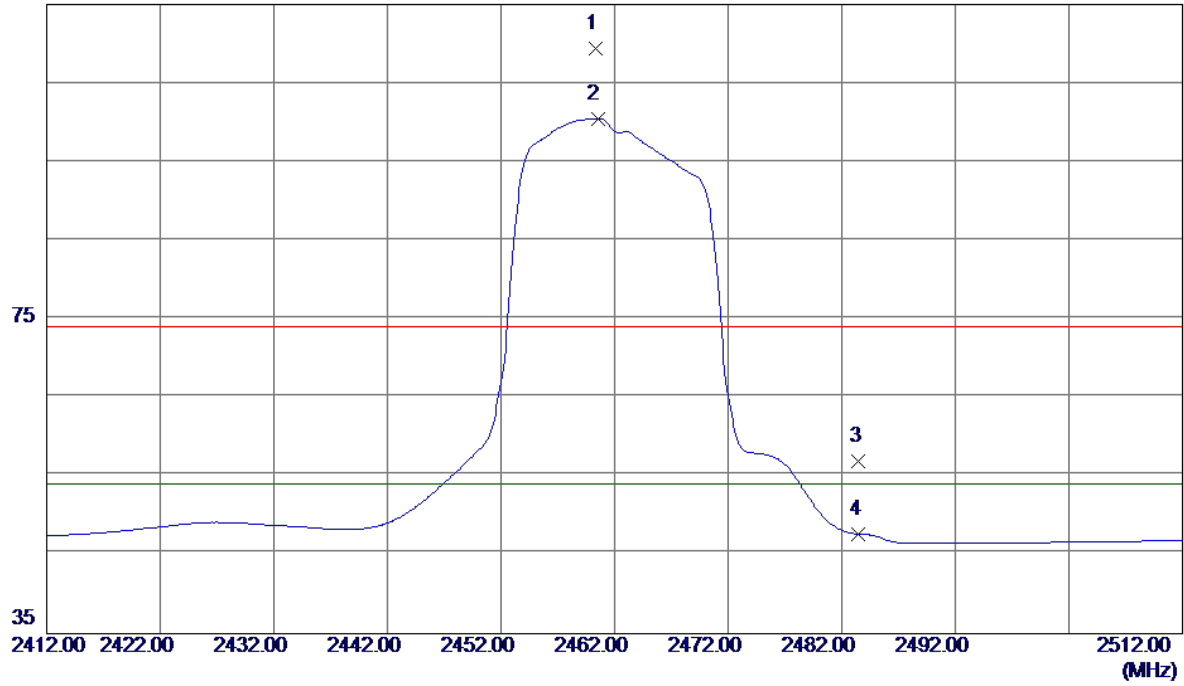


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

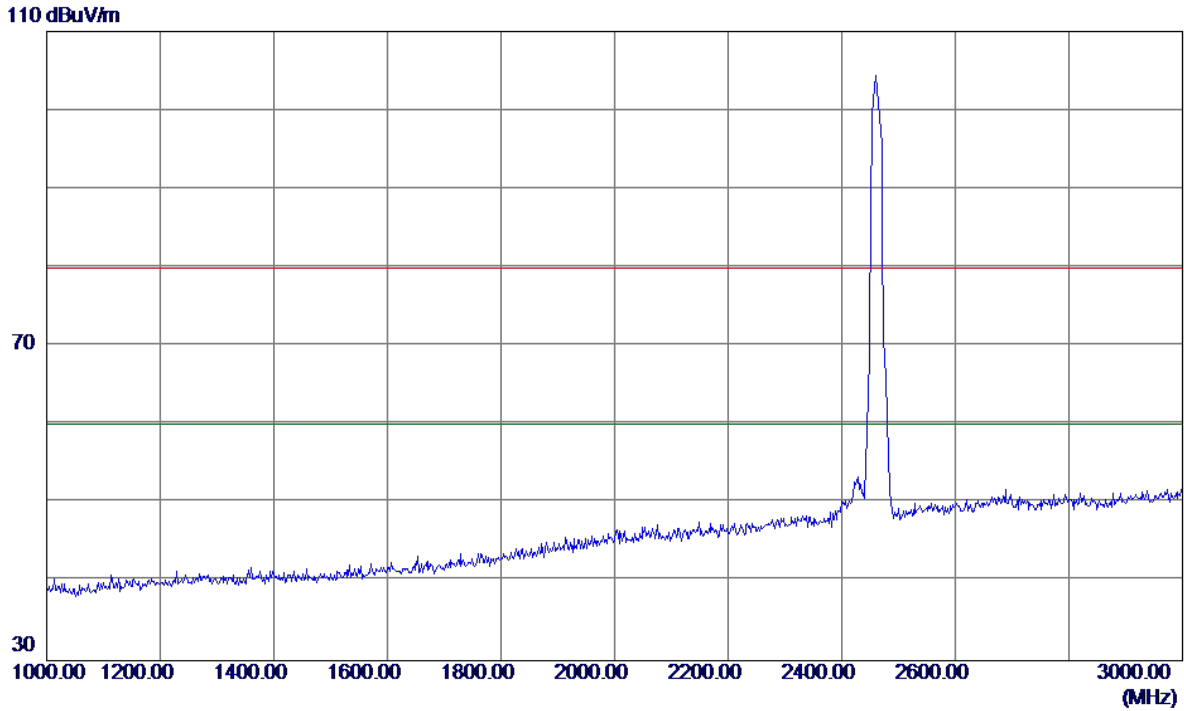
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2460.3000	76.06	33.30	109.36	74.00	35.36	Peak	No Limit
2 *	2460.5000	67.22	33.30	100.52	54.00	46.52	AVG	No Limit
3	2483.5000	23.52	33.40	56.92	74.00	-17.08	Peak	
4	2483.5000	14.26	33.40	47.66	54.00	-6.34	AVG	

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

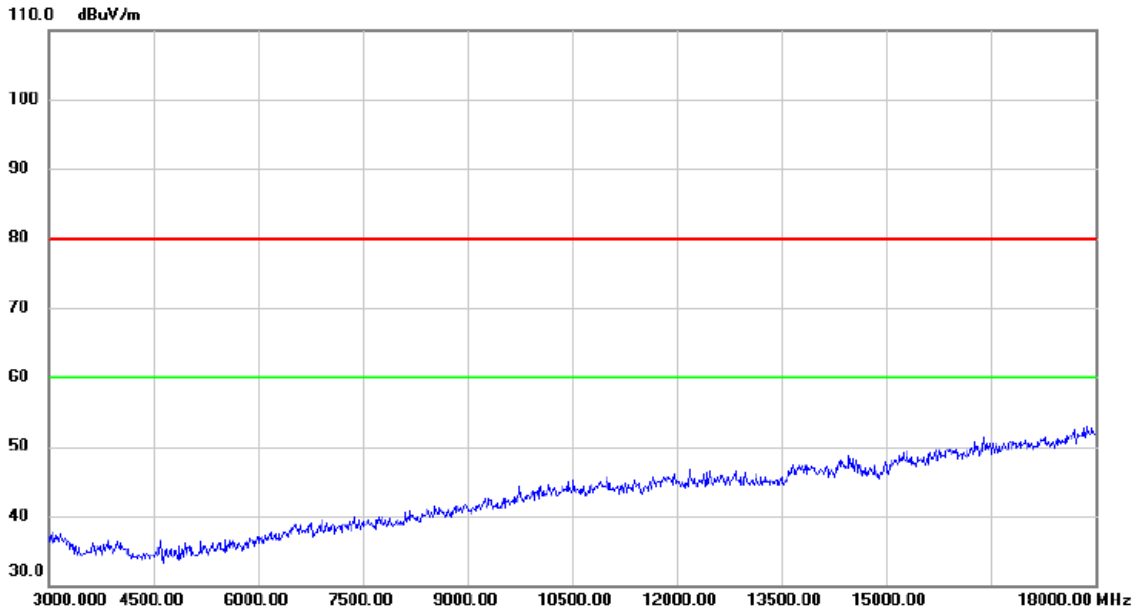
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

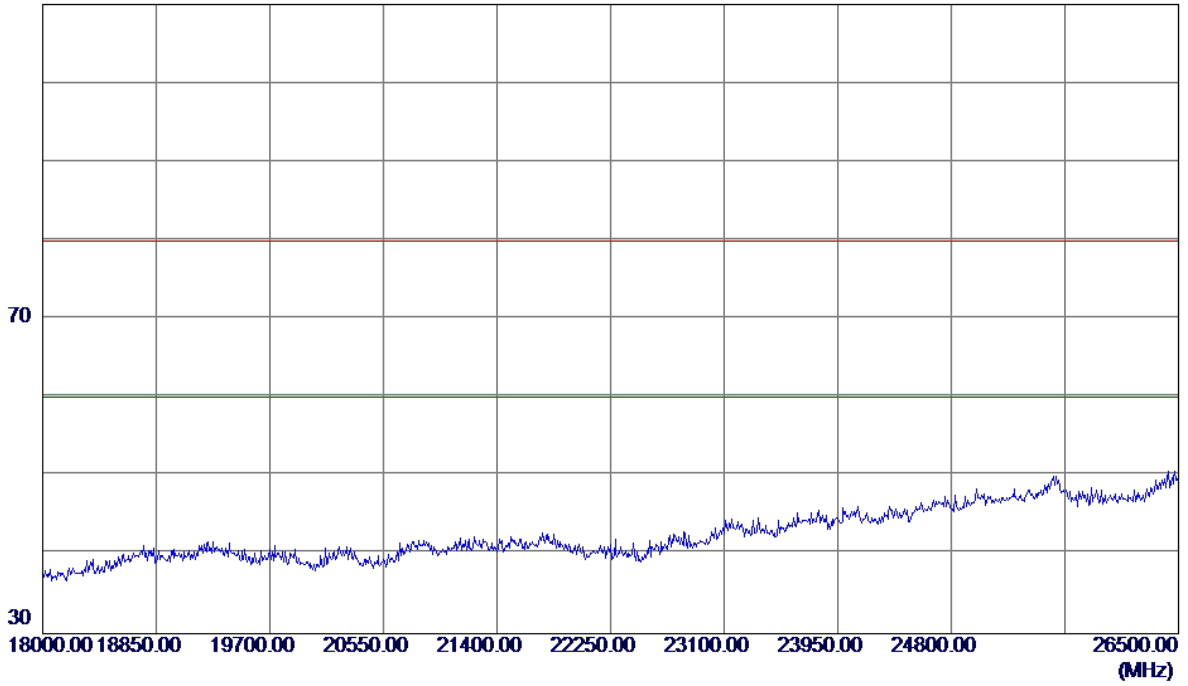


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

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

Horizontal

110 dBuV/m

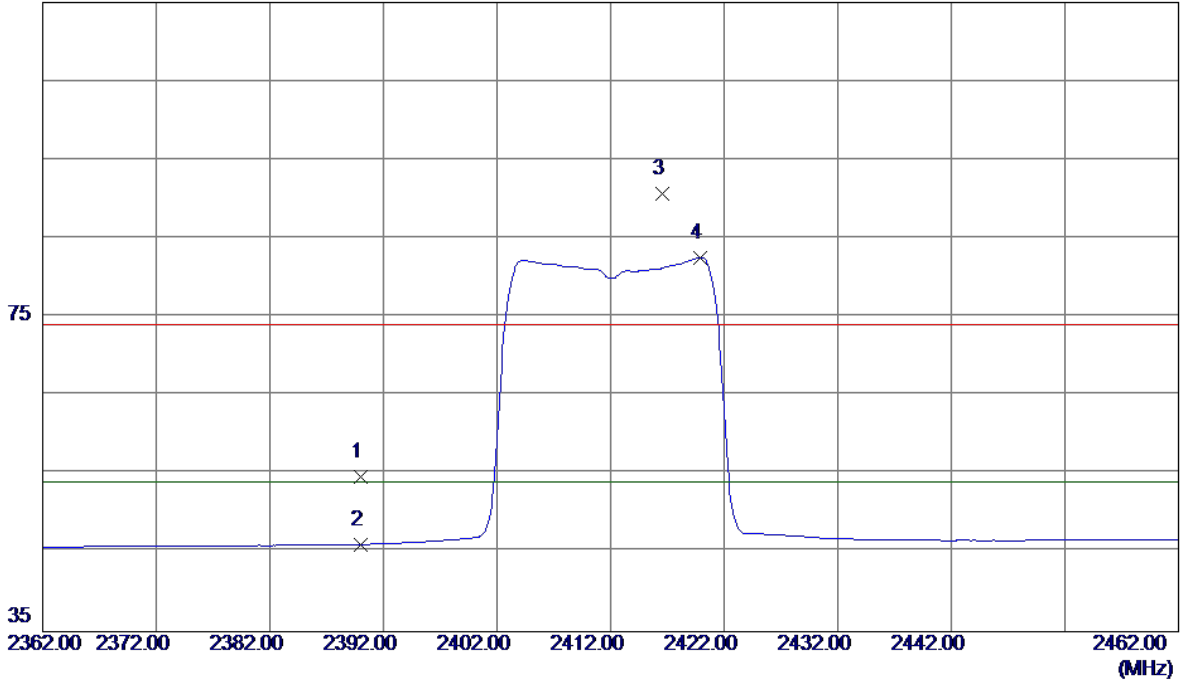


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

115 dBuV/m

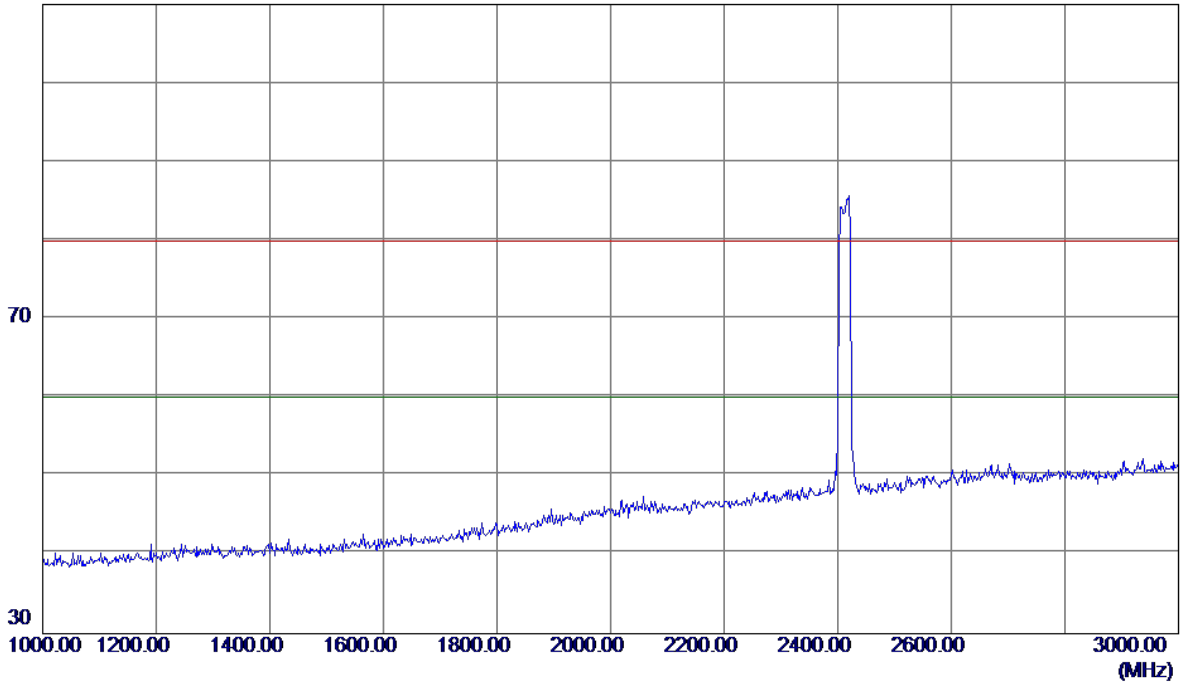


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	21.68	33.01	54.69	74.00	-19.31	Peak	
2	2390.0000	13.08	33.01	46.09	54.00	-7.91	AVG	
3	2416.6000	57.52	33.12	90.64	74.00	16.64	Peak	No Limit
4 *	2419.9000	49.46	33.14	82.60	54.00	28.60	AVG	No Limit

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

Vertical

110 dBuV/m

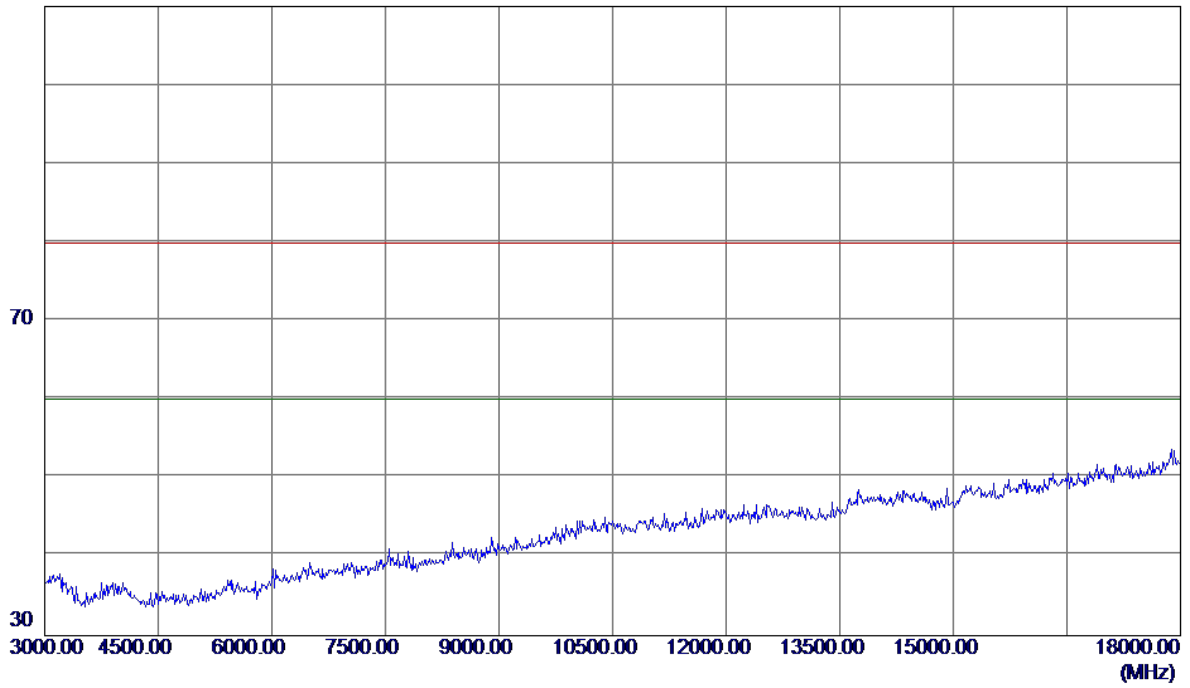


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

110 dBuV/m

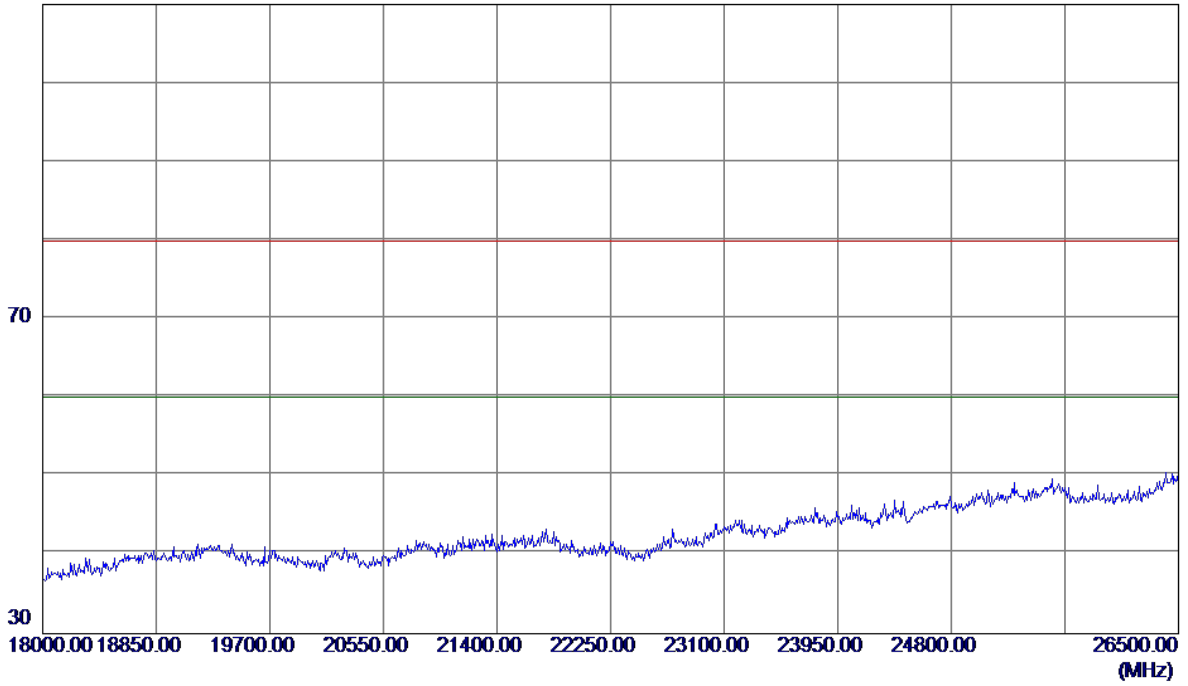


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

110 dBuV/m

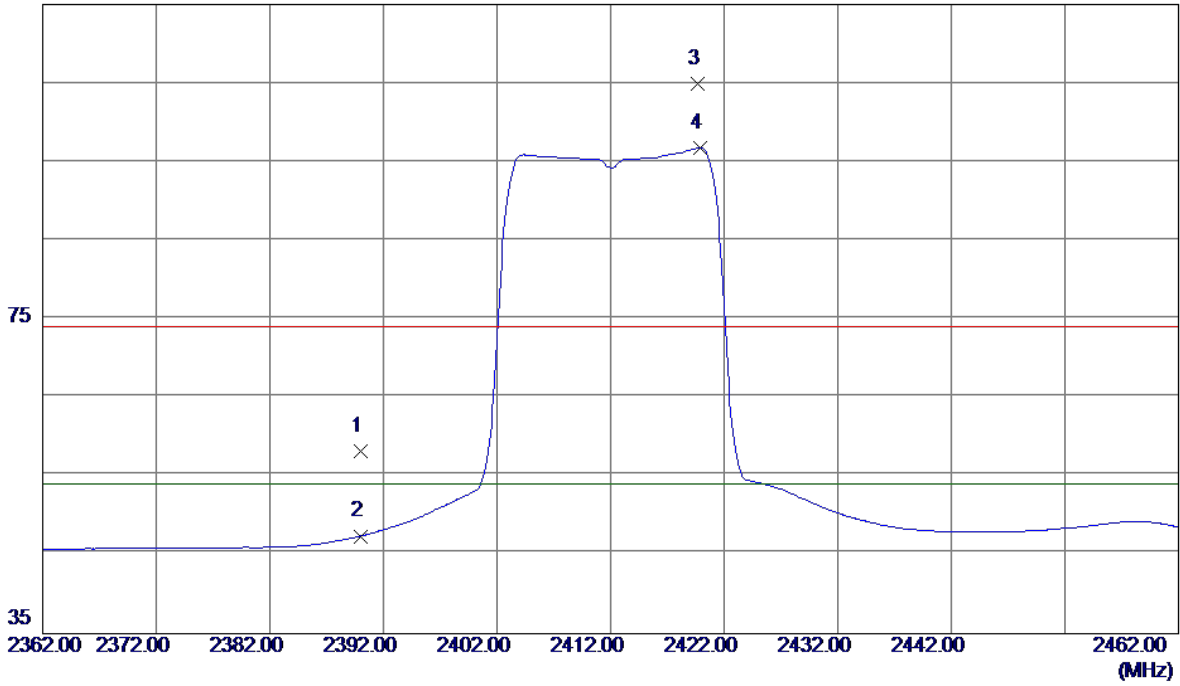


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

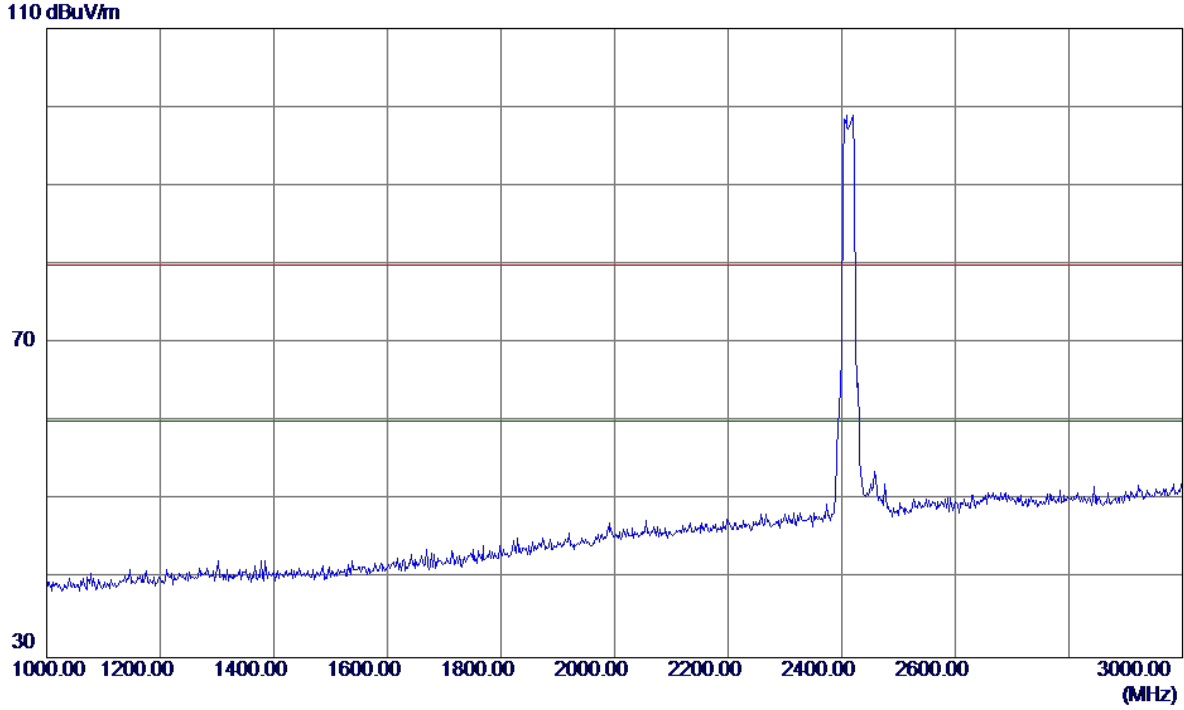
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	25.18	33.01	58.19	74.00	-15.81	Peak	
2	2390.0000	14.39	33.01	47.40	54.00	-6.60	AVG	
3	2419.7000	71.76	33.13	104.89	74.00	30.89	Peak	No Limit
4 *	2419.9000	63.62	33.14	96.76	54.00	42.76	AVG	No Limit

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

Horizontal

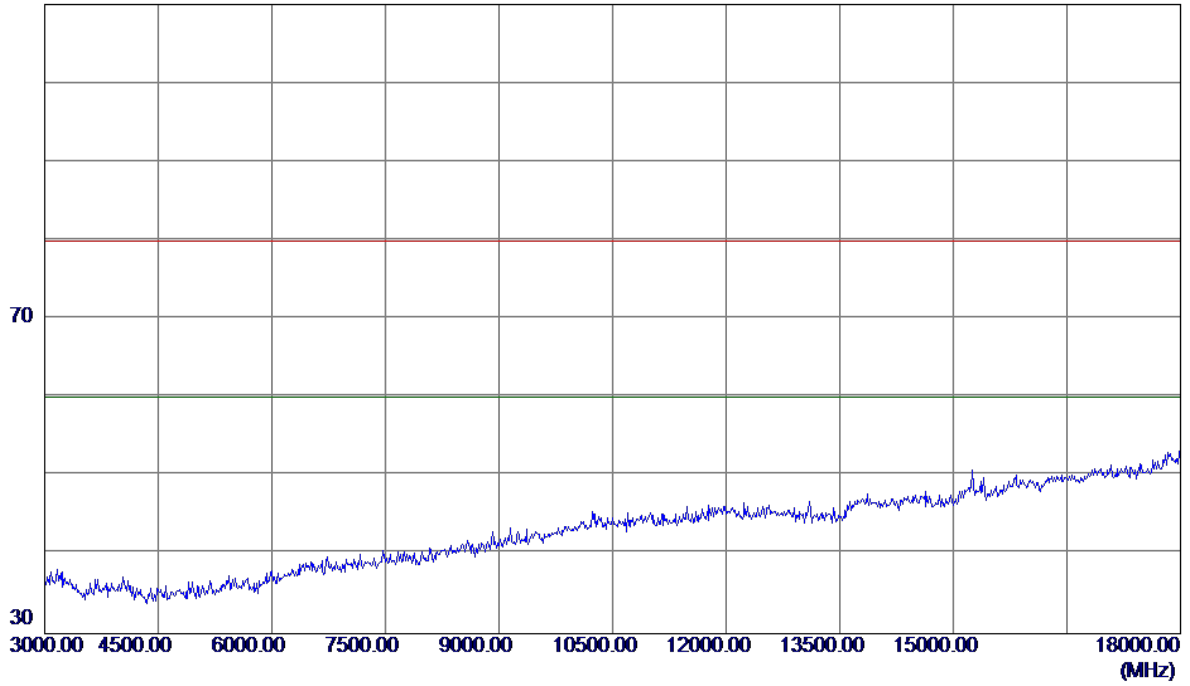


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

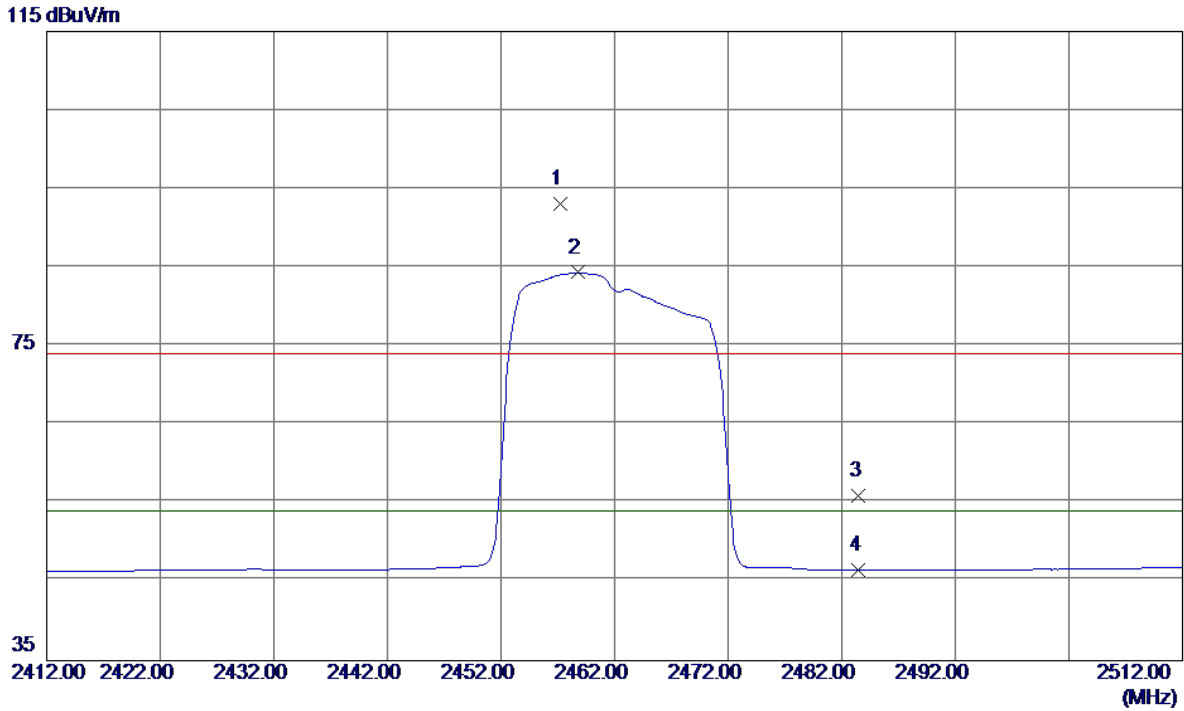
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

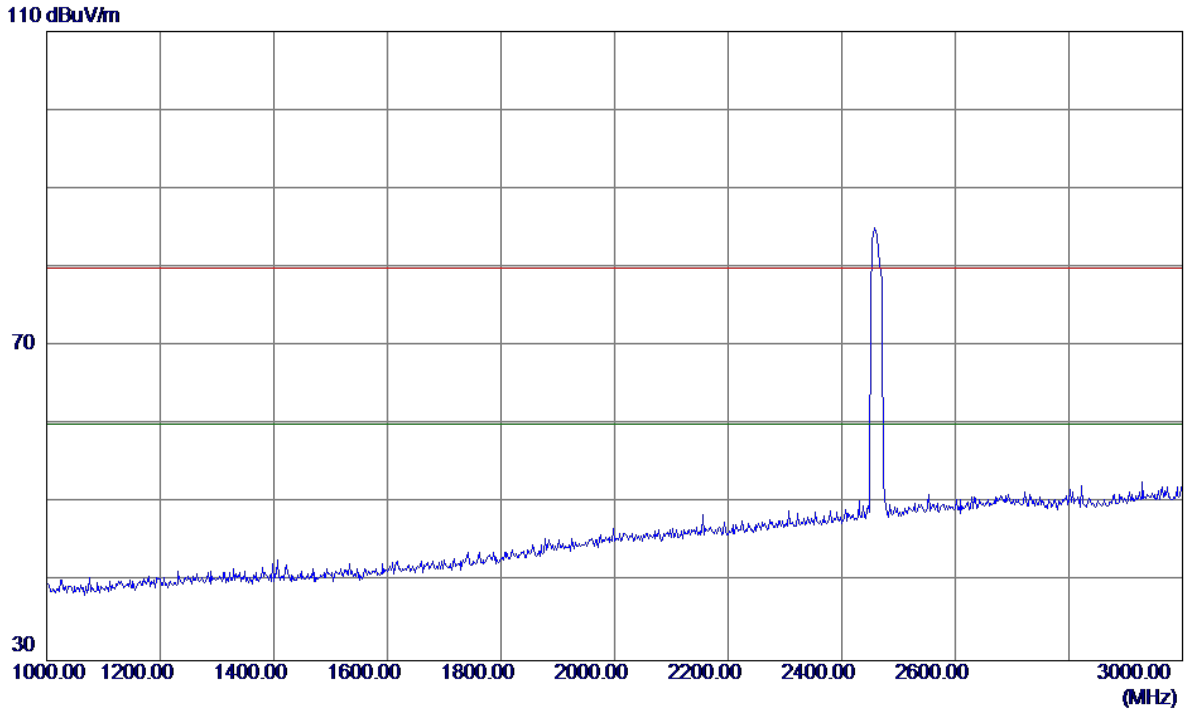
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2457.2000	59.79	33.29	93.08	74.00	19.08	Peak	No Limit
2 *	2458.8000	51.06	33.30	84.36	54.00	30.36	AVG	No Limit
3	2483.5000	22.52	33.40	55.92	74.00	-18.08	Peak	
4	2483.5000	13.07	33.40	46.47	54.00	-7.53	AVG	

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

Vertical

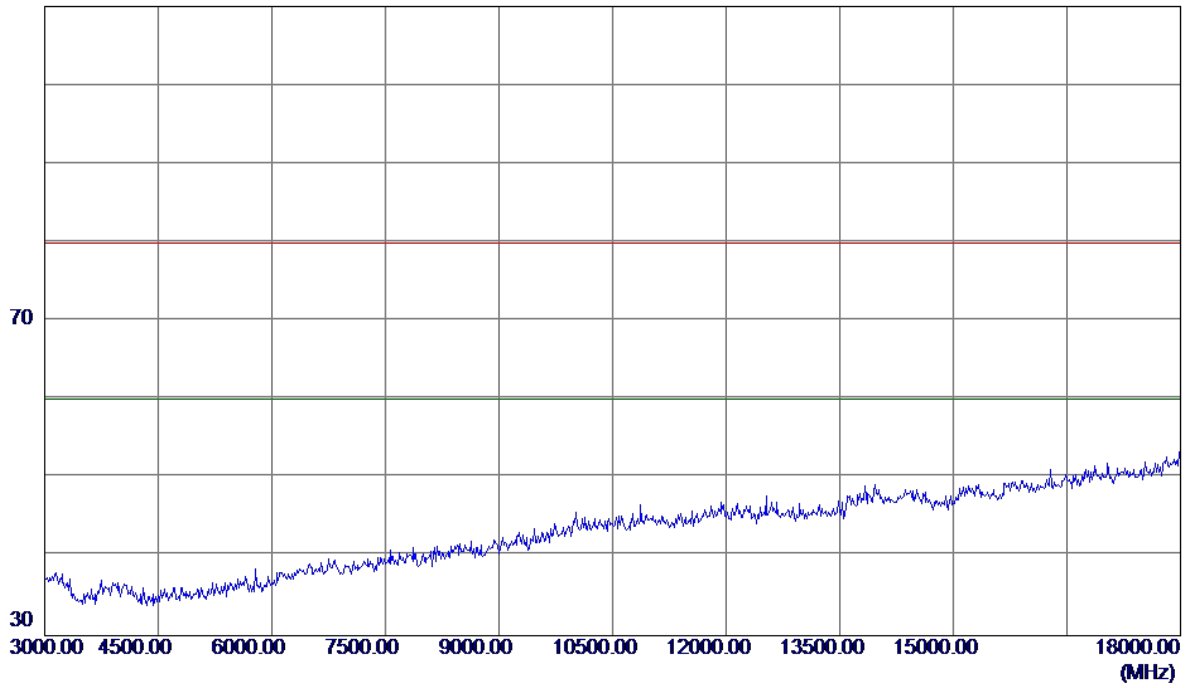


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

110 dBuV/m

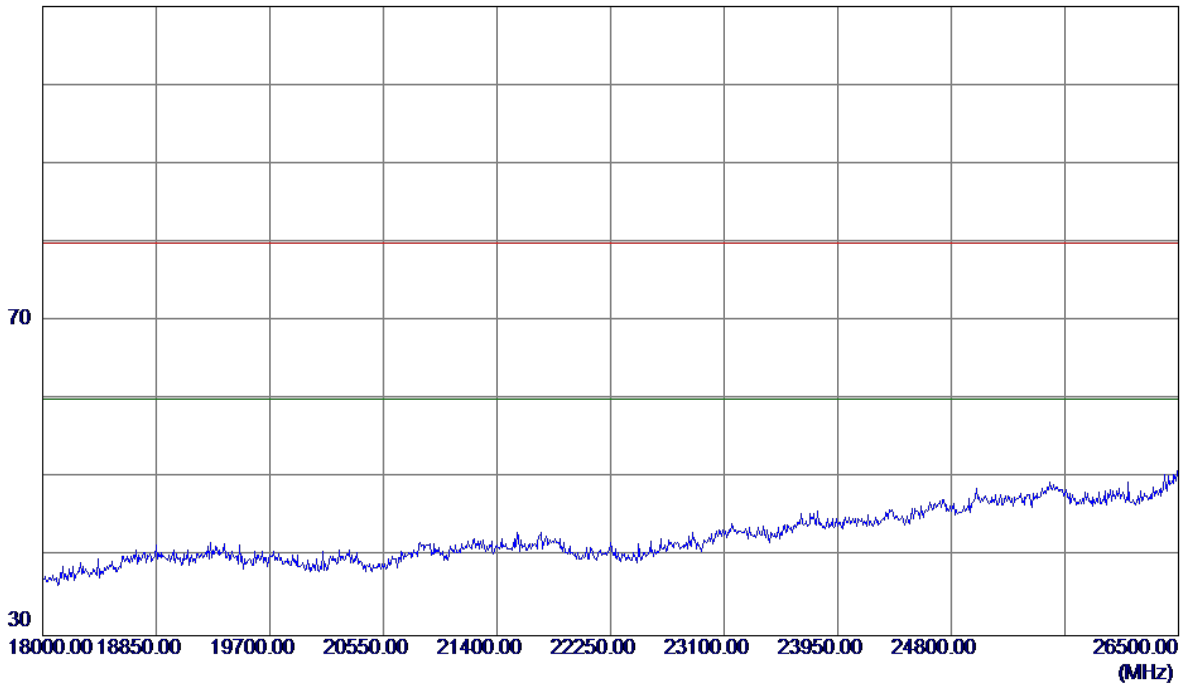


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

110 dBuV/m

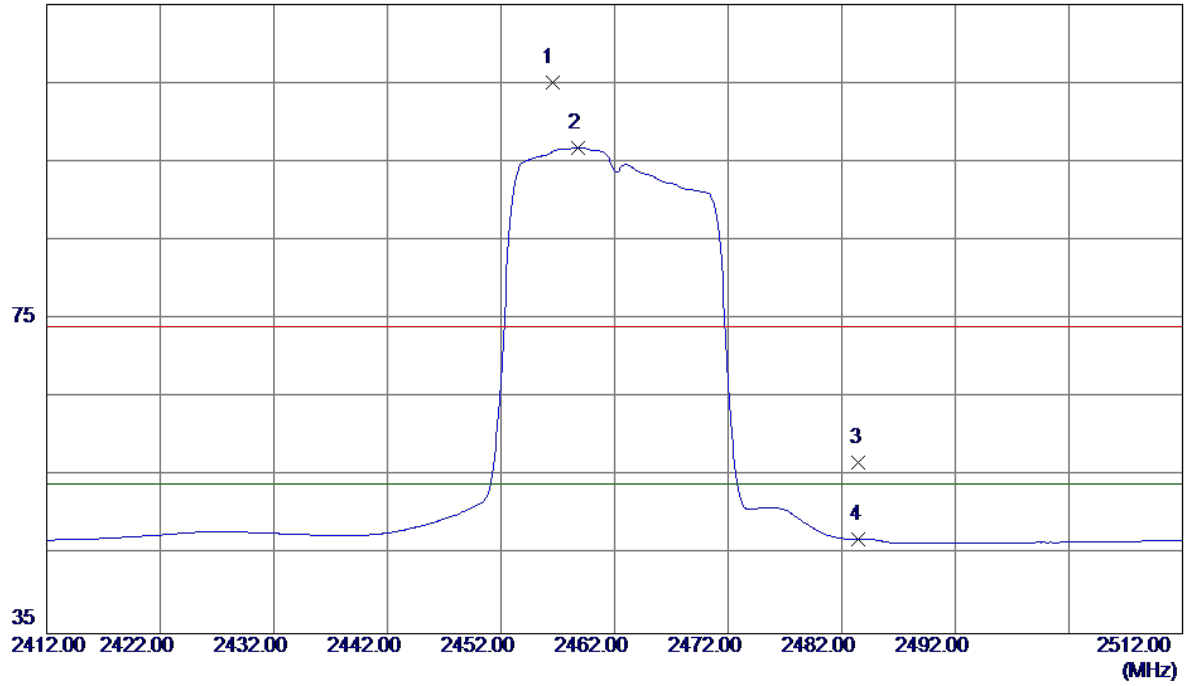


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

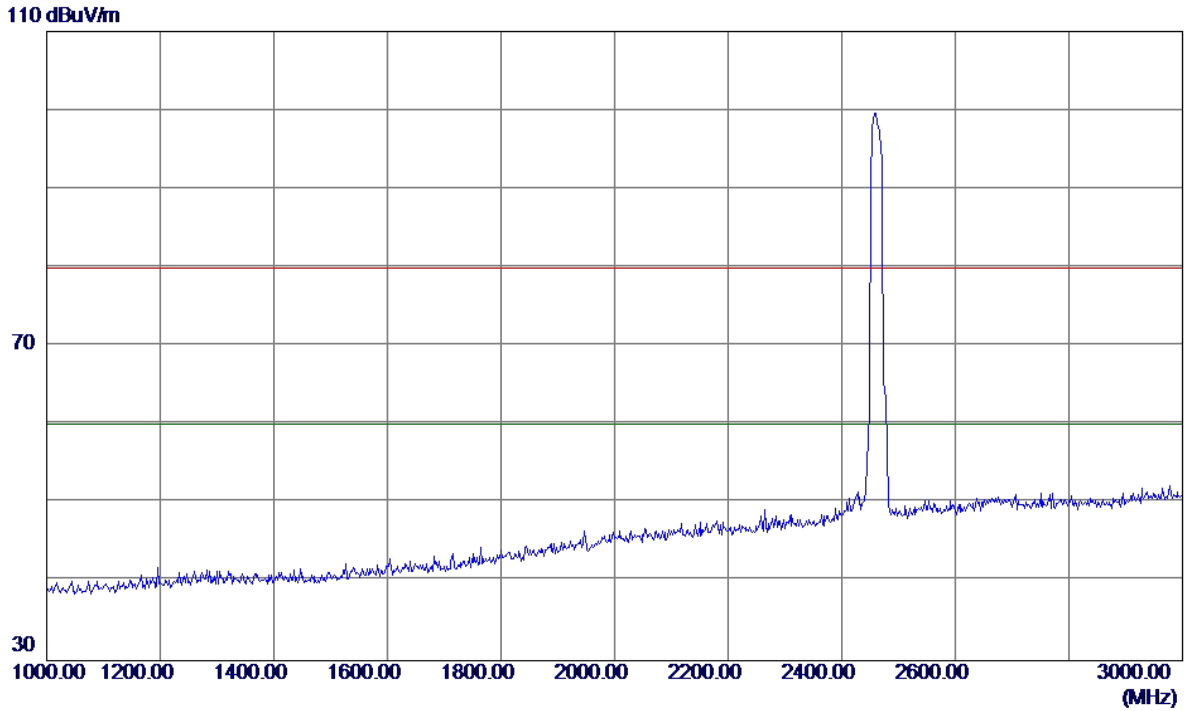
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2456.5000	71.86	33.29	105.15	74.00	31.15	Peak	No Limit
2 *	2458.8000	63.51	33.30	96.81	54.00	42.81	AVG	No Limit
3	2483.5000	23.39	33.40	56.79	74.00	-17.21	Peak	
4	2483.5000	13.56	33.40	46.96	54.00	-7.04	AVG	

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

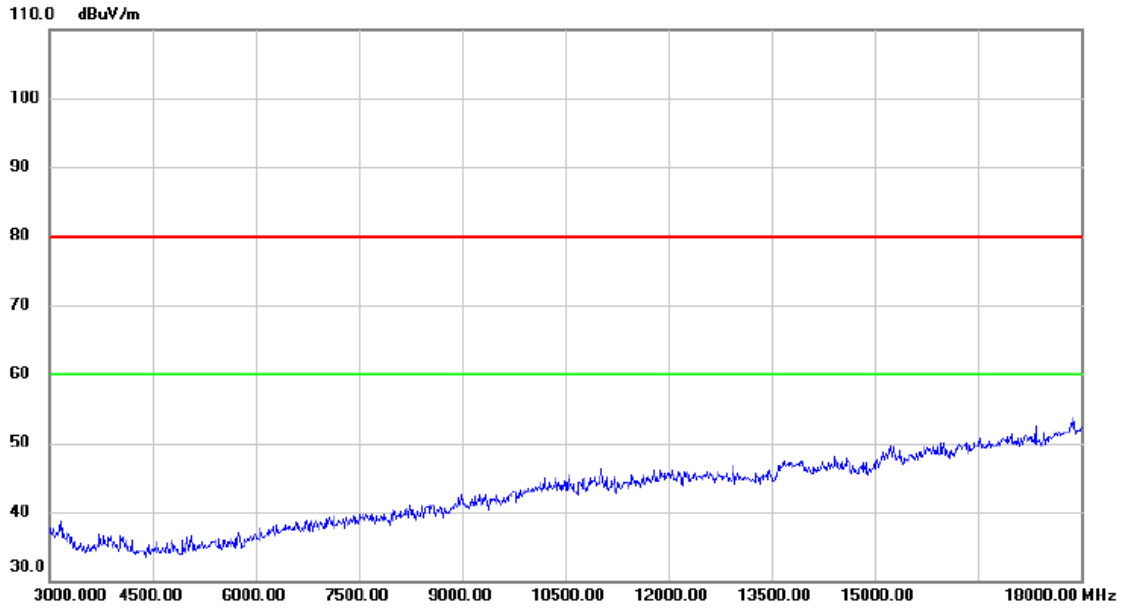
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

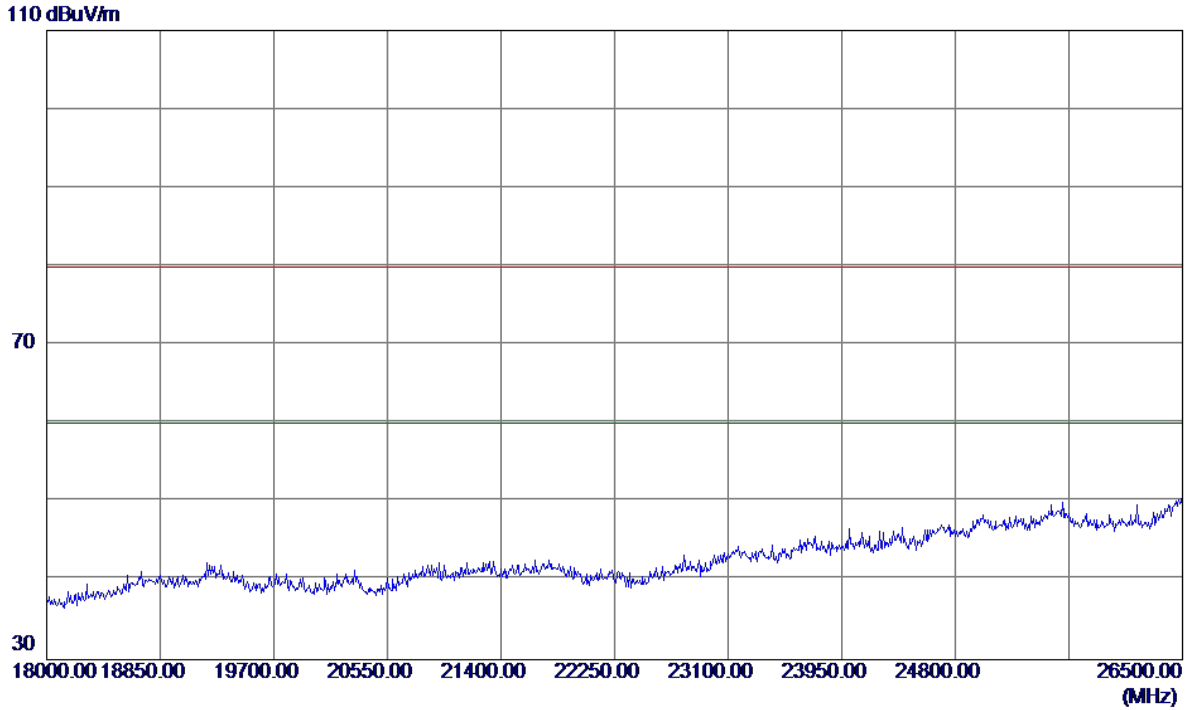
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

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

Horizontal

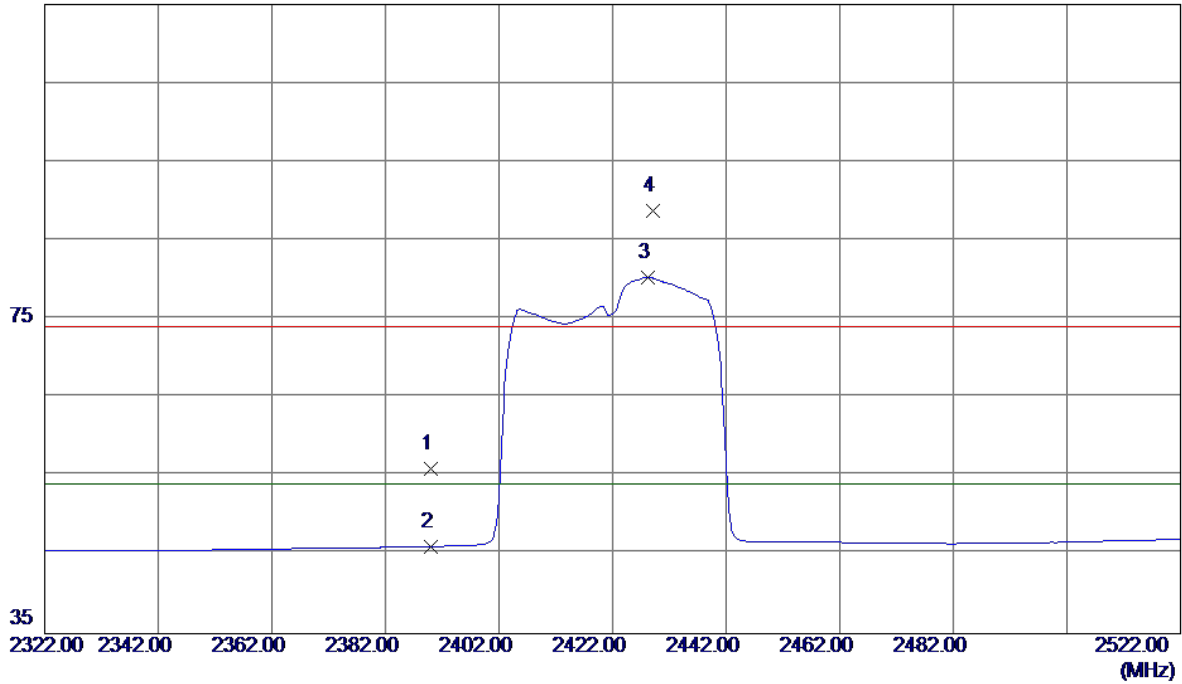


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

115 dBuV/m

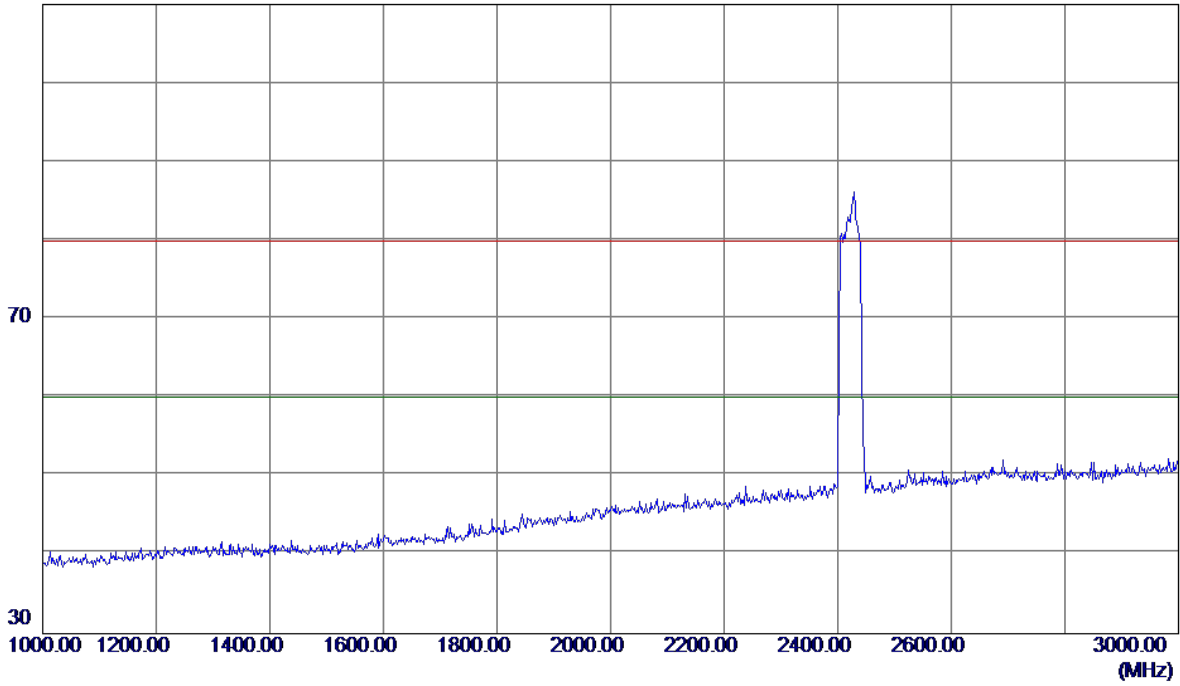


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.94	33.01	55.95	74.00	-18.05	Peak	
2	2390.0000	13.04	33.01	46.05	54.00	-7.95	AVG	
3 *	2428.2000	47.12	33.17	80.29	54.00	26.29	AVG	No Limit
4	2429.2000	55.51	33.17	88.68	74.00	14.68	Peak	No Limit

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

Vertical

110 dBuV/m

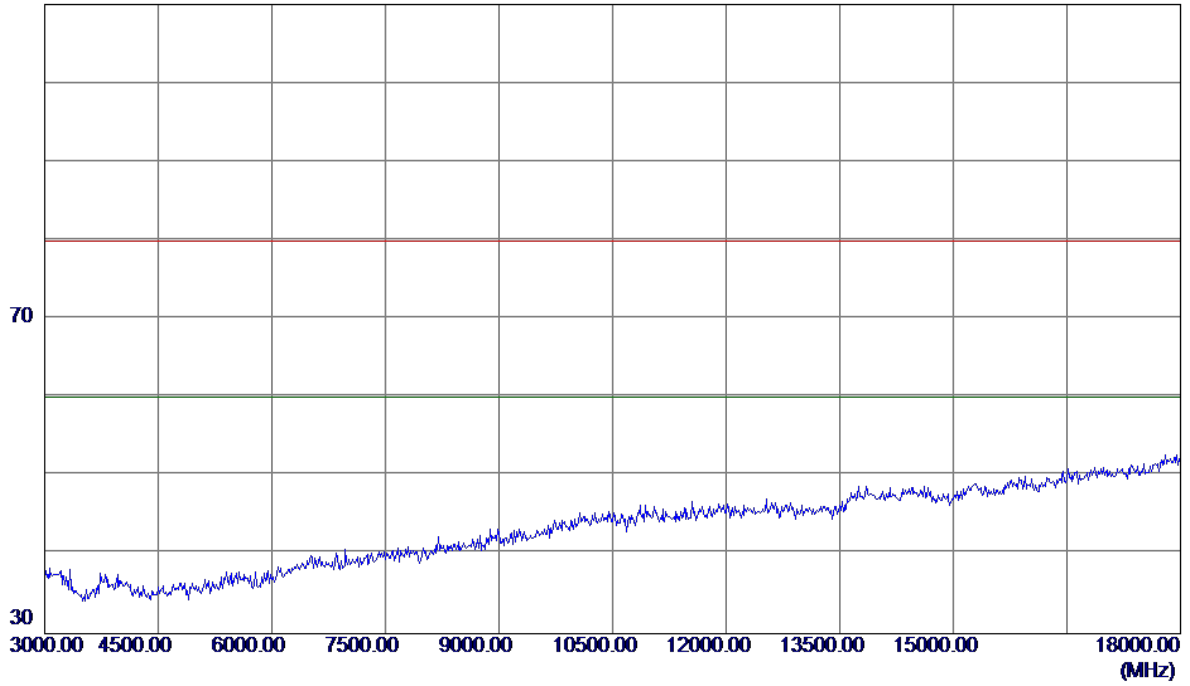


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

110 dBuV/m

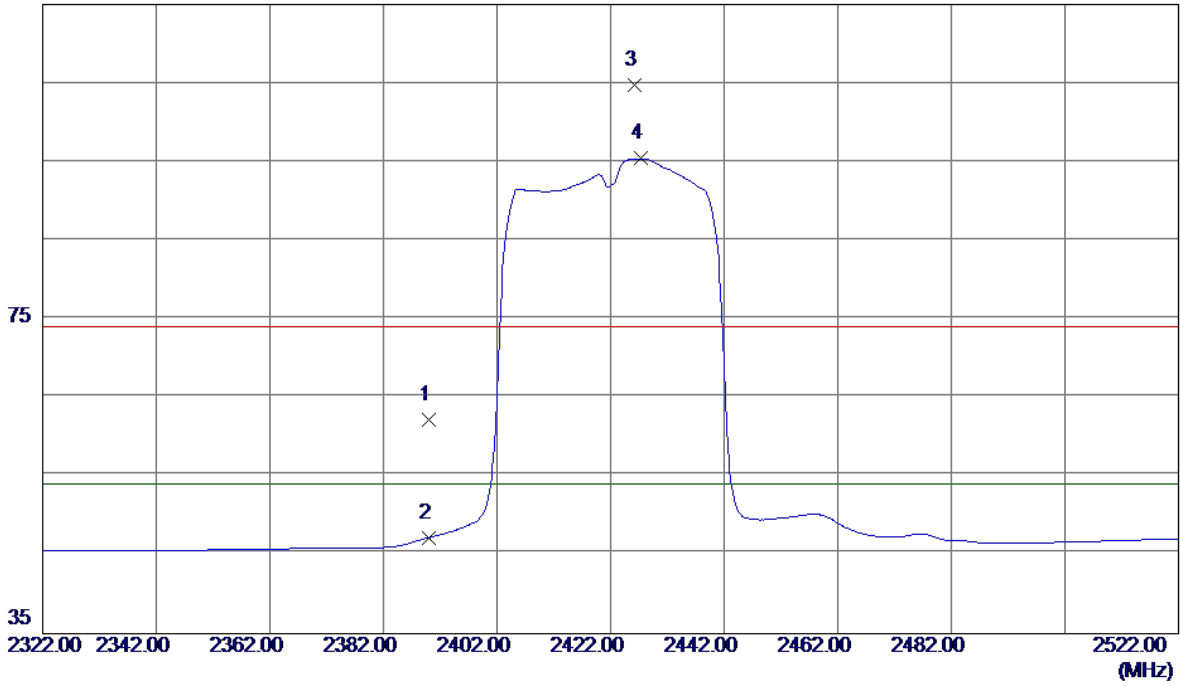


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

Horizontal

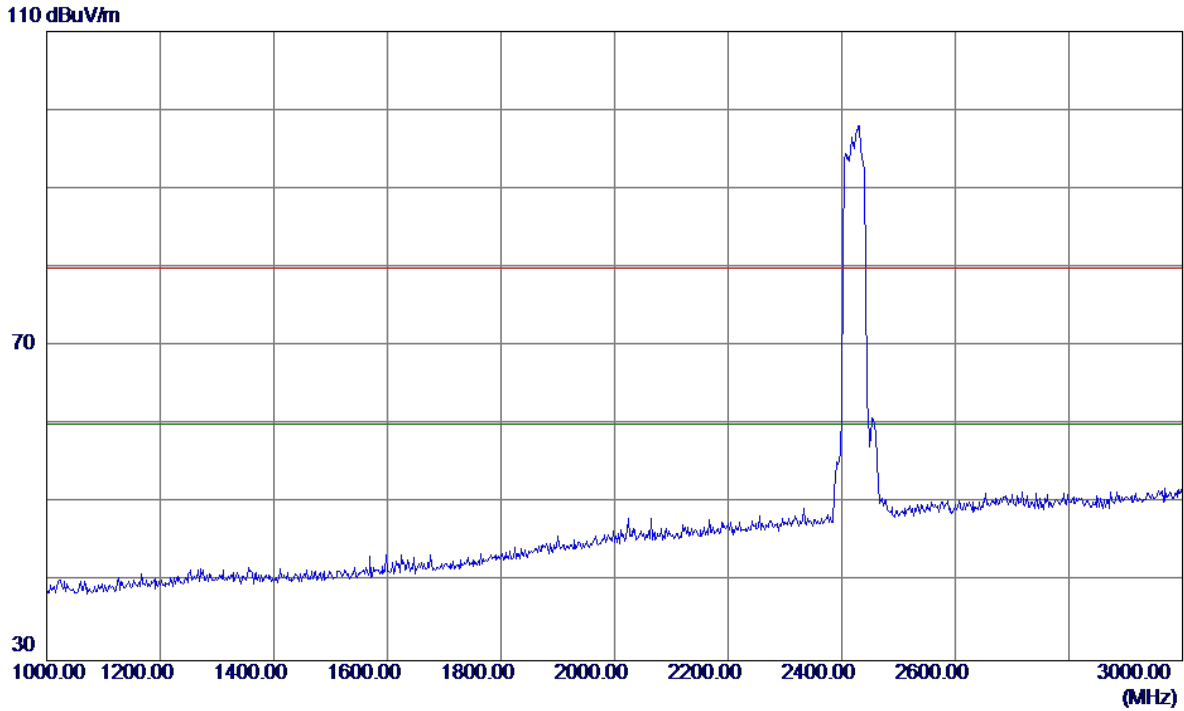
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	29.16	33.01	62.17	74.00	-11.83	Peak	
2	2390.0000	14.18	33.01	47.19	54.00	-6.81	AVG	
3	2426.2000	71.54	33.16	104.70	74.00	30.70	Peak	No Limit
4 *	2427.4000	62.23	33.17	95.40	54.00	41.40	AVG	No Limit

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

Horizontal

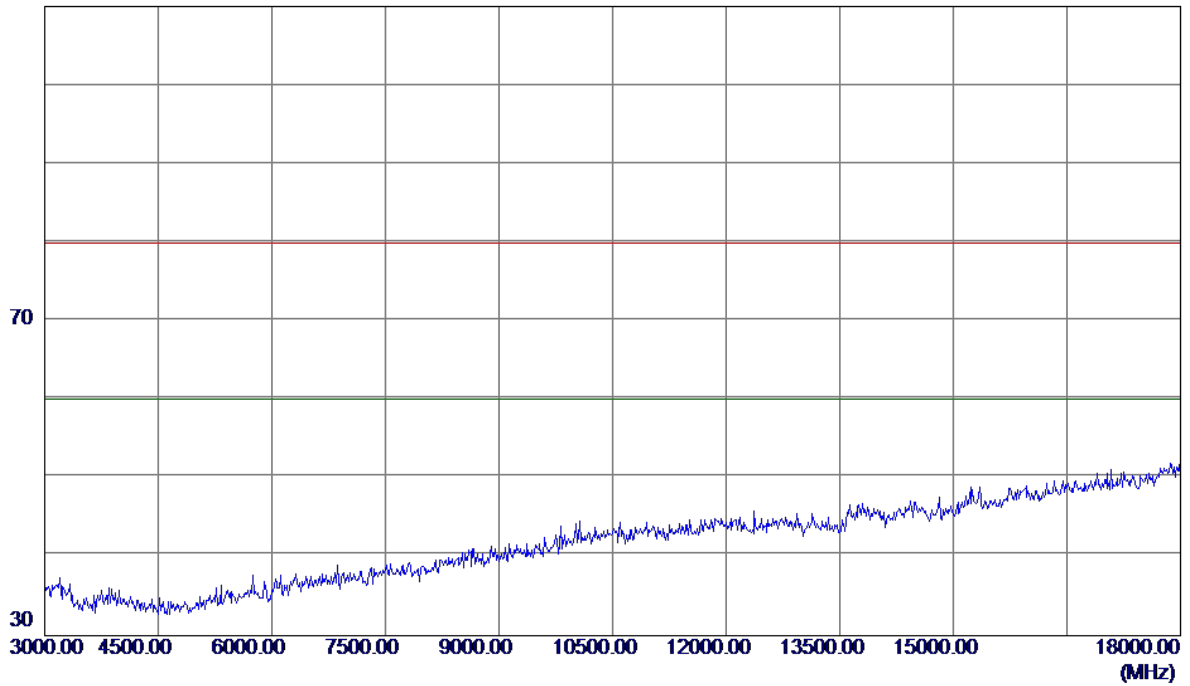


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

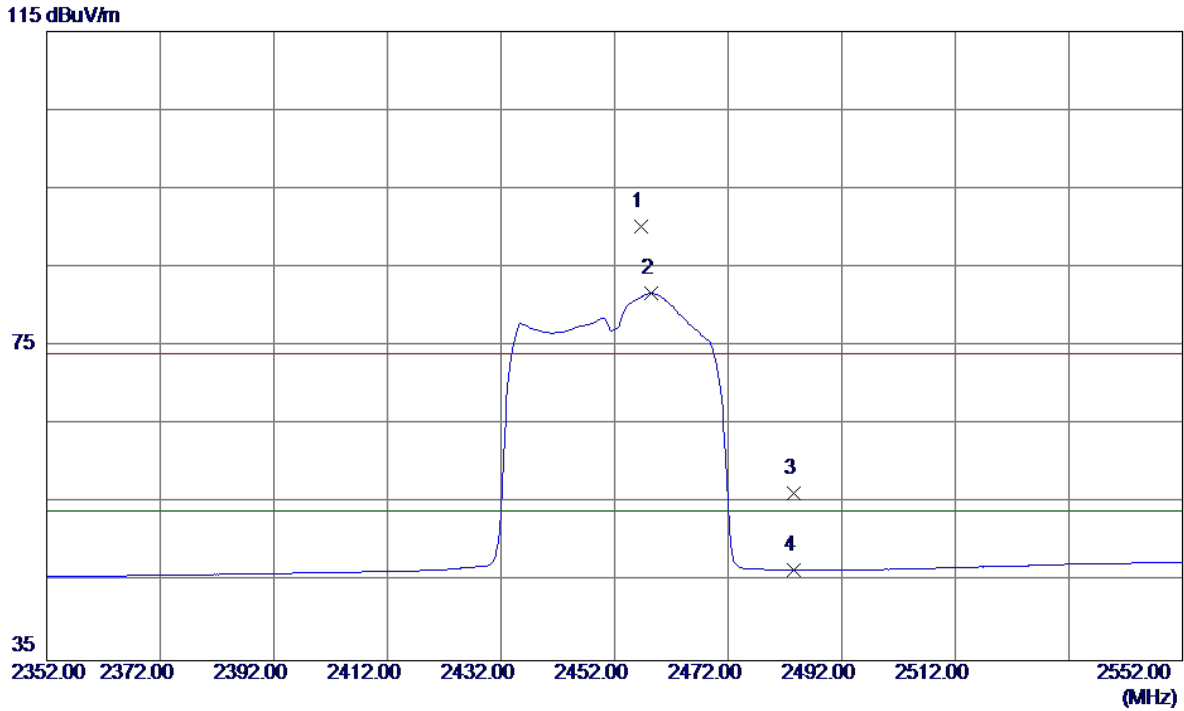
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

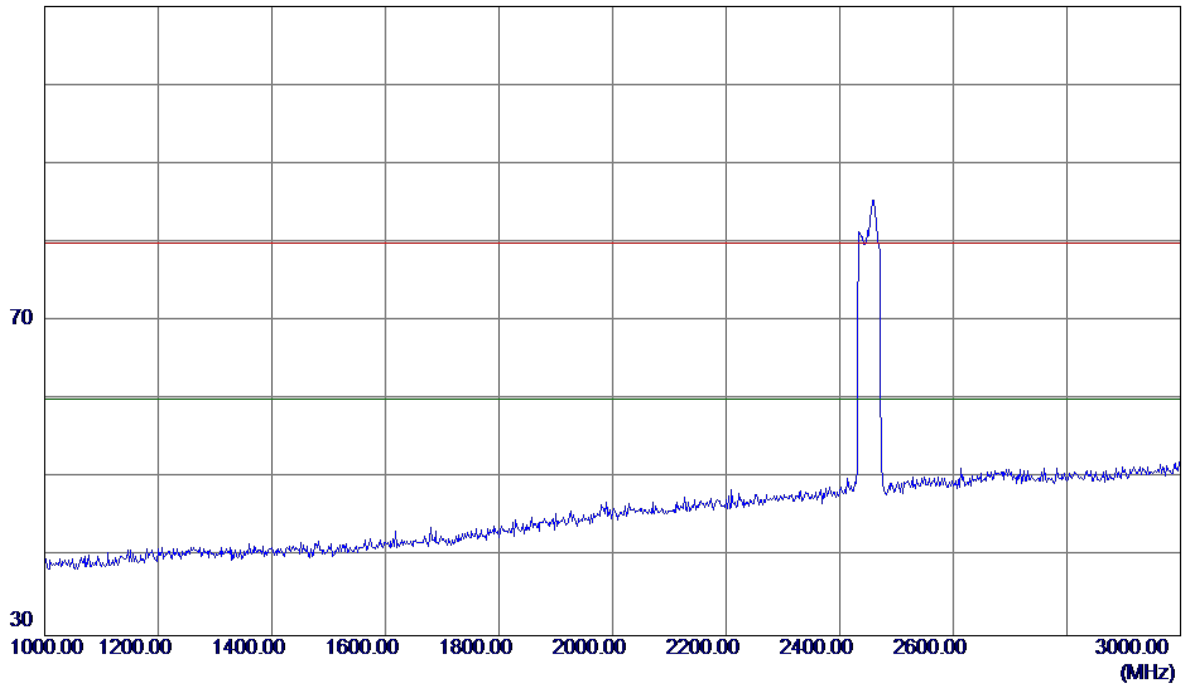


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2456.6000	56.97	33.29	90.26	74.00	16.26	Peak	No Limit
2 *	2458.4000	48.38	33.30	81.68	54.00	27.68	AVG	No Limit
3	2483.5000	22.95	33.40	56.35	74.00	-17.65	Peak	
4	2483.5000	13.08	33.40	46.48	54.00	-7.52	AVG	

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

Vertical

110 dBuV/m

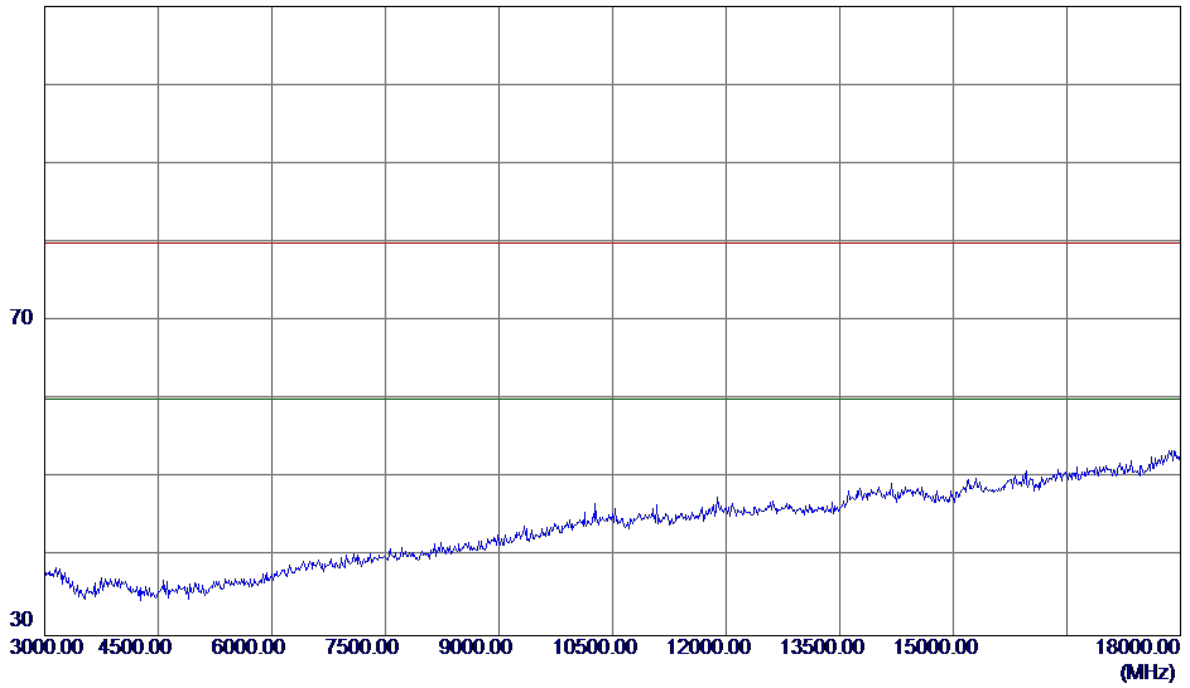


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

110 dBuV/m

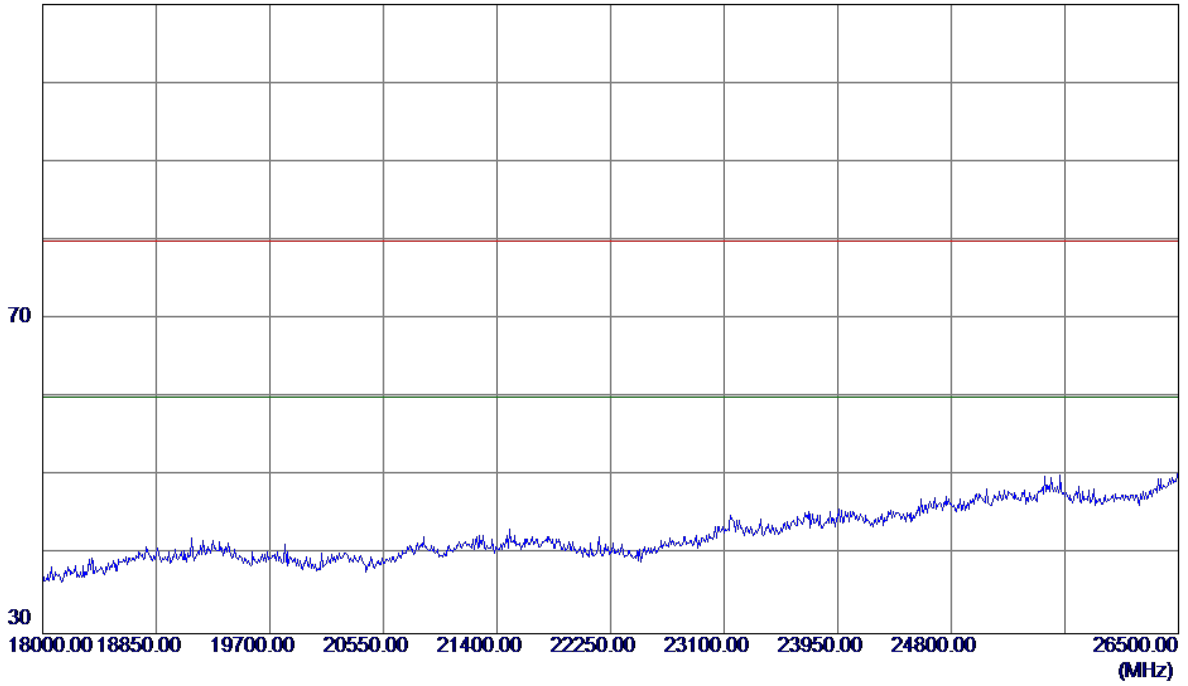


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

110 dBuV/m

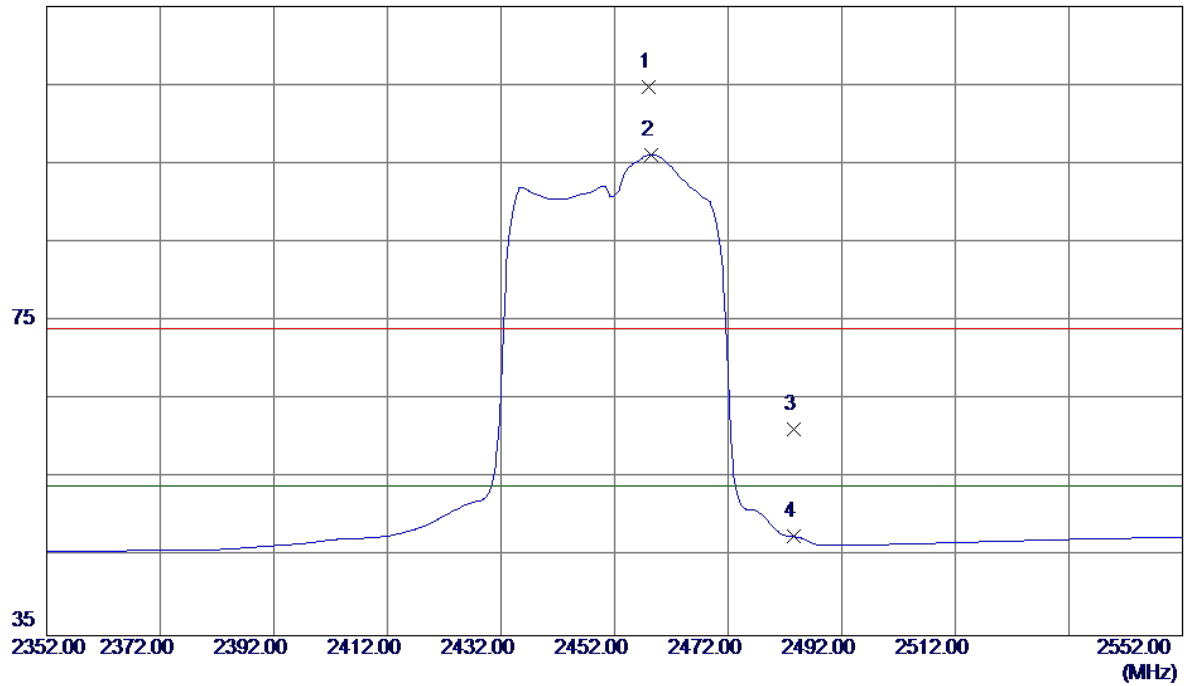


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

115 dBuV/m

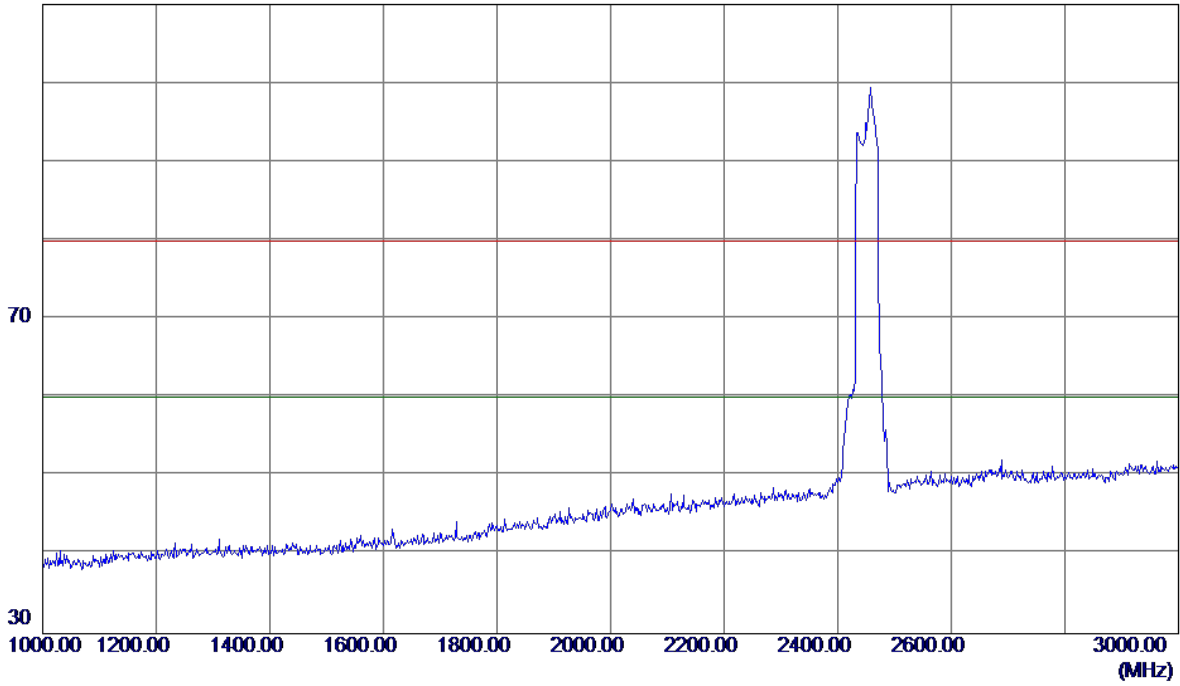


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2458.0000	71.40	33.29	104.69	74.00	30.69	Peak	No Limit
2 *	2458.4000	62.87	33.30	96.17	54.00	42.17	AVG	No Limit
3	2483.5000	27.91	33.40	61.31	74.00	-12.69	Peak	
4	2483.5000	14.18	33.40	47.58	54.00	-6.42	AVG	

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

Horizontal

110 dBuV/m

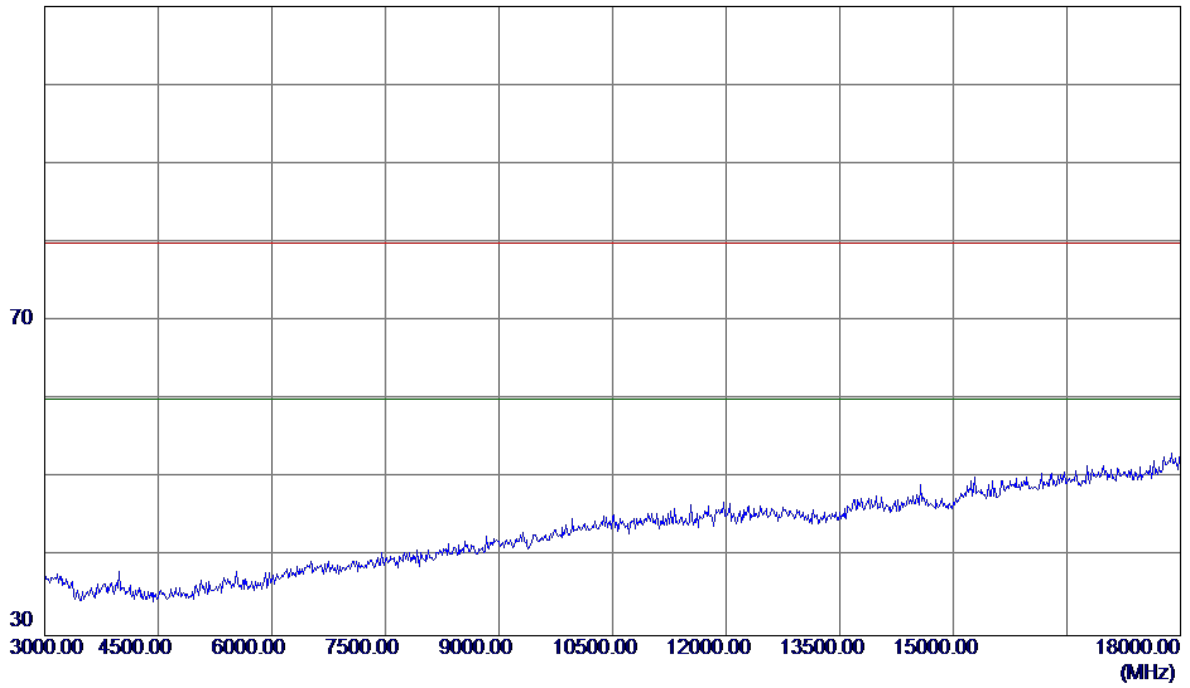


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

110 dBuV/m

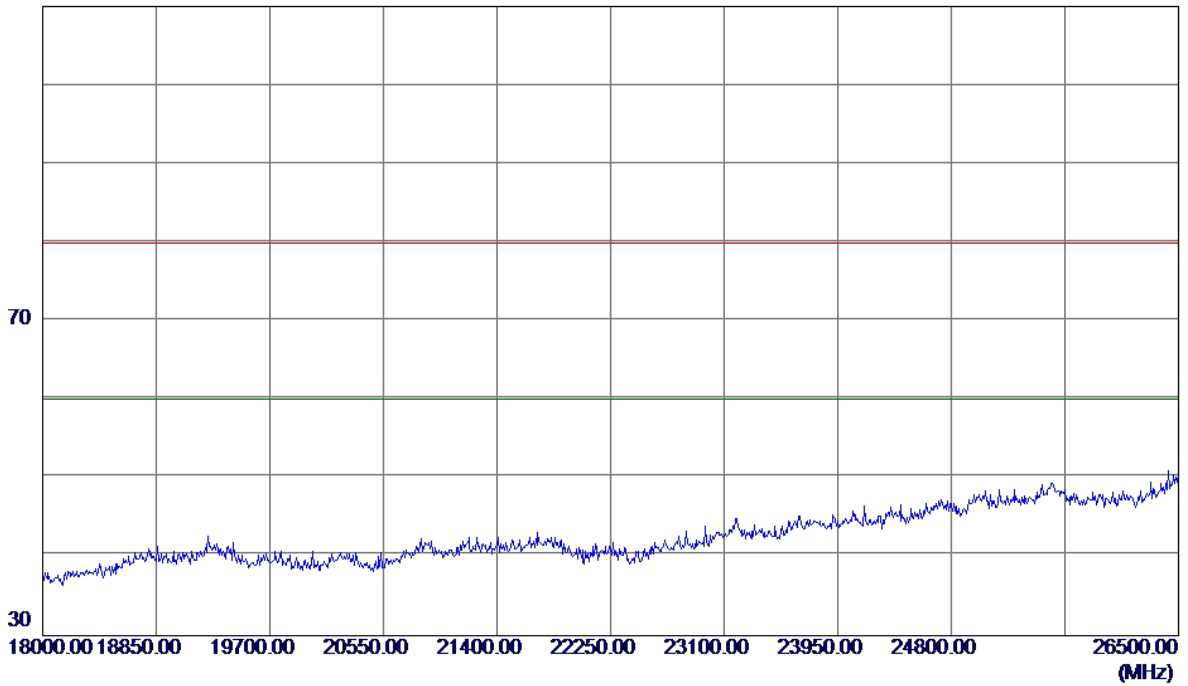


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Horizontal

110 dBuV/m



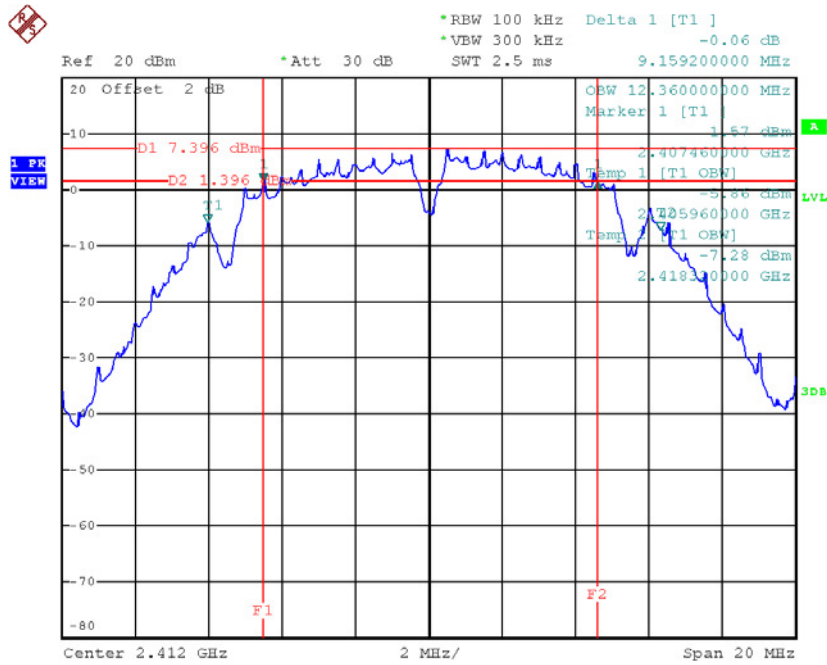
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

ATTACHMENT E - BANDWIDTH

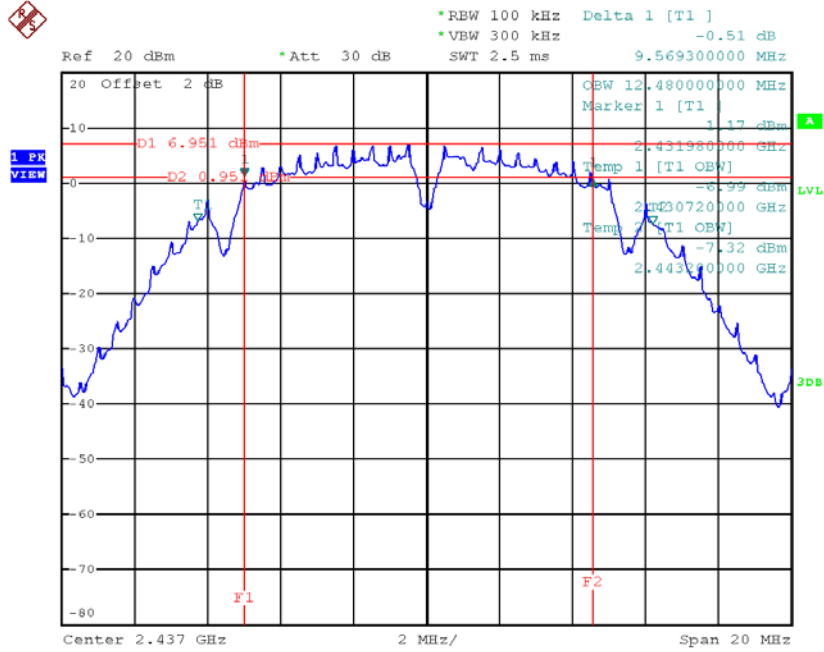
Test Mode : TX B Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.16	12.36	500	Complies
2437	9.57	12.48	500	Complies
2462	9.07	12.28	500	Complies

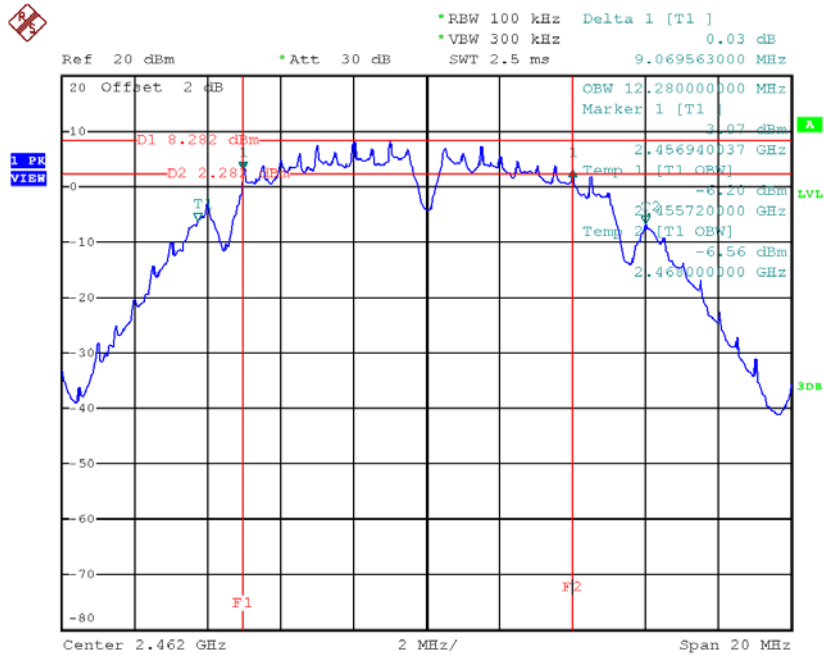
TX CH01



TX CH06



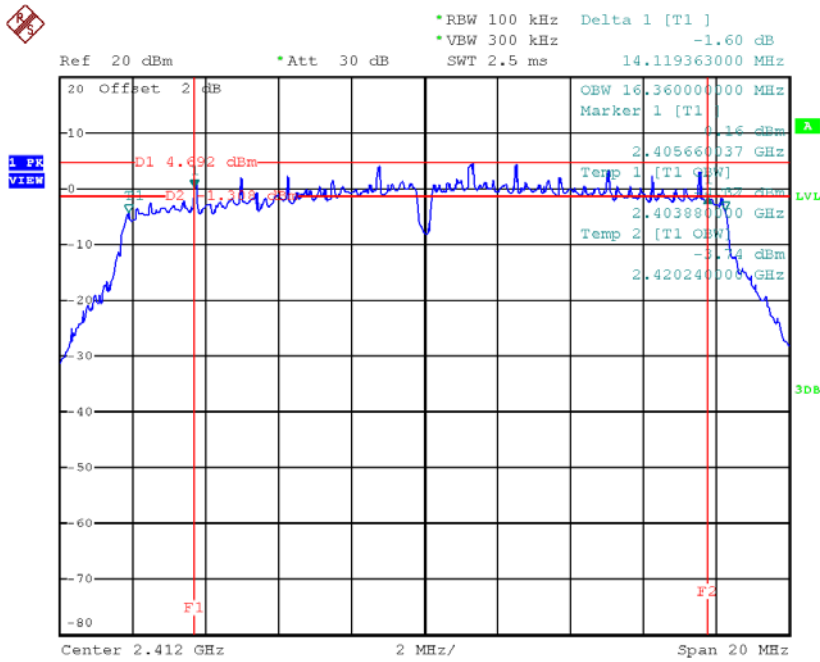
TX CH11



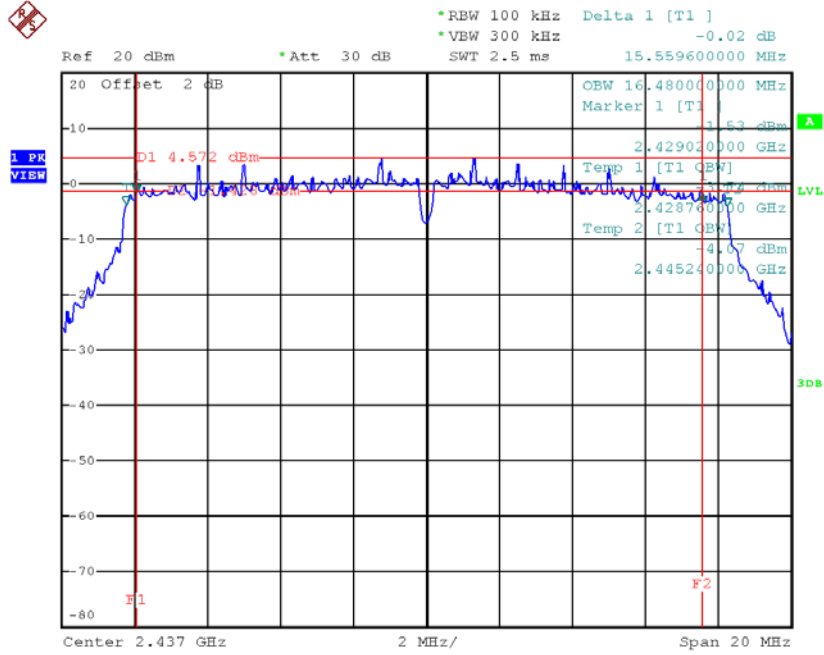
Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	14.12	16.36	500	Complies
2437	15.56	16.48	500	Complies
2462	15.72	16.4	500	Complies

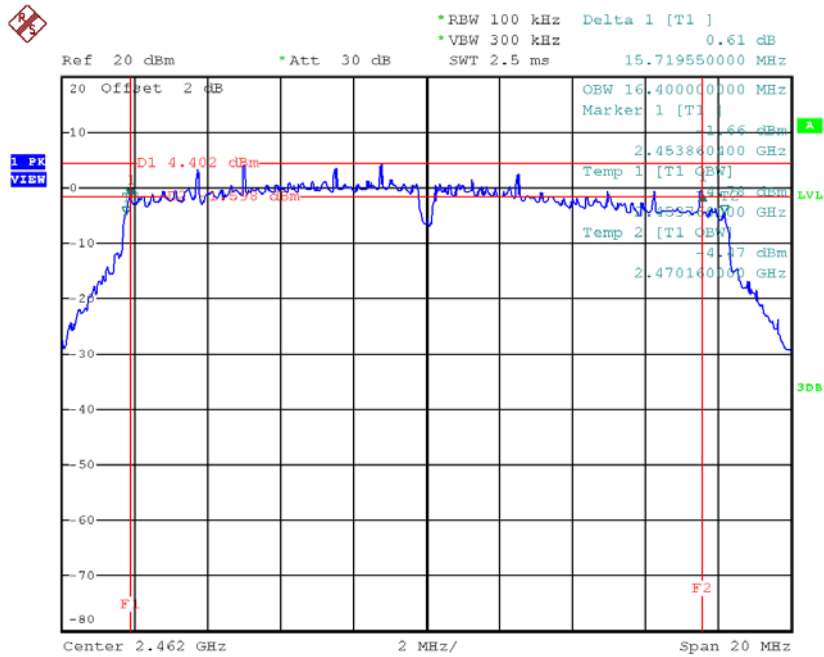
TX CH01



TX CH06



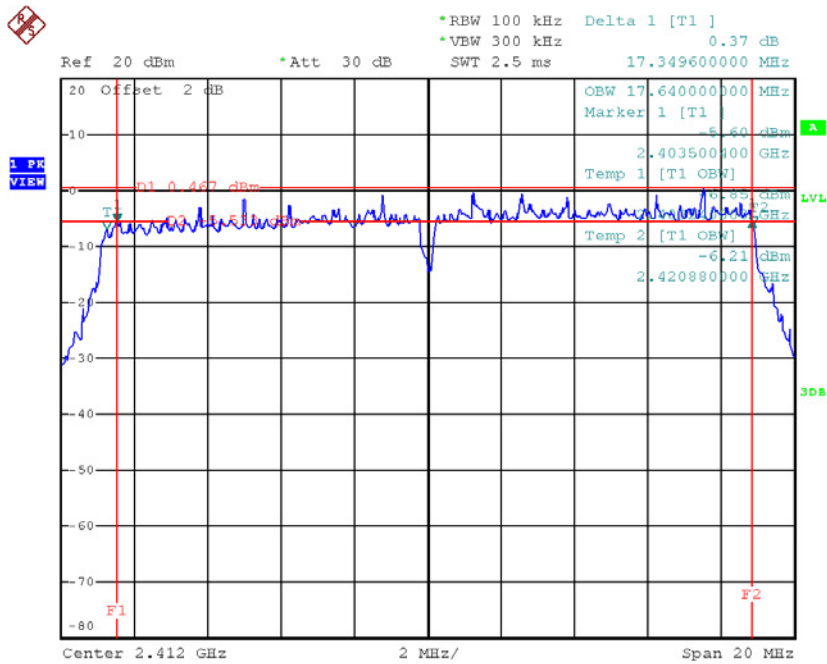
TX CH11



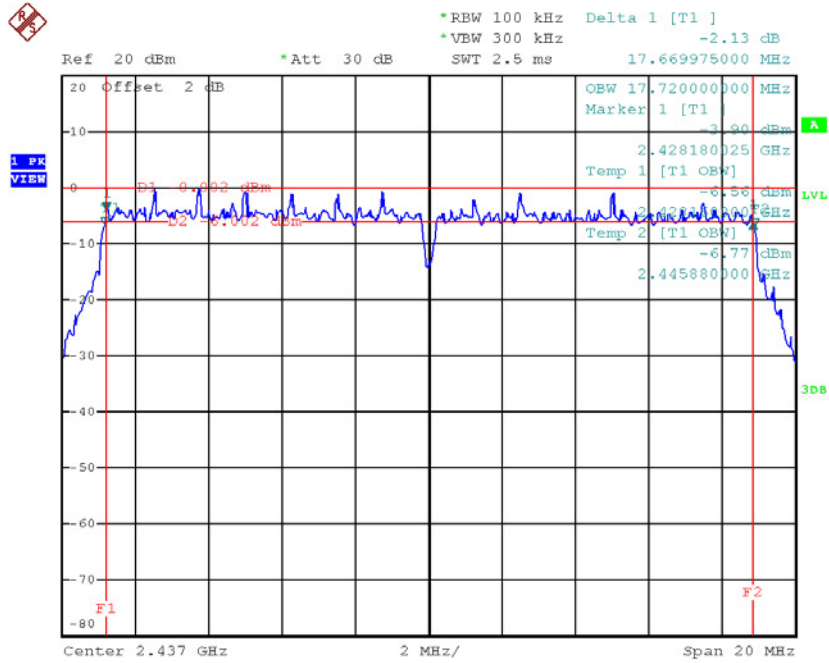
Test Mode : TX N-20MHz Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.35	17.64	500	Complies
2437	17.67	17.72	500	Complies
2462	17.23	17.68	500	Complies

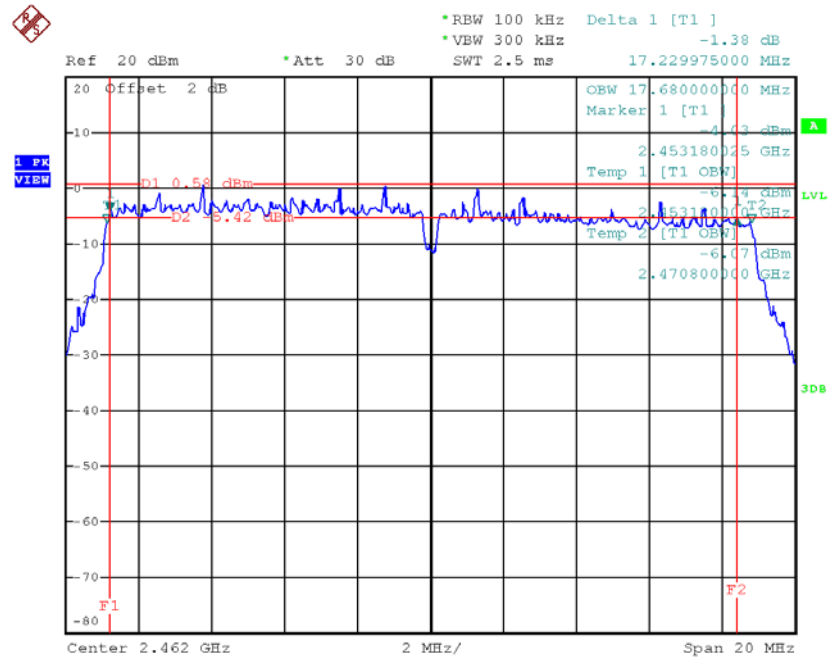
TX CH01



TX CH06



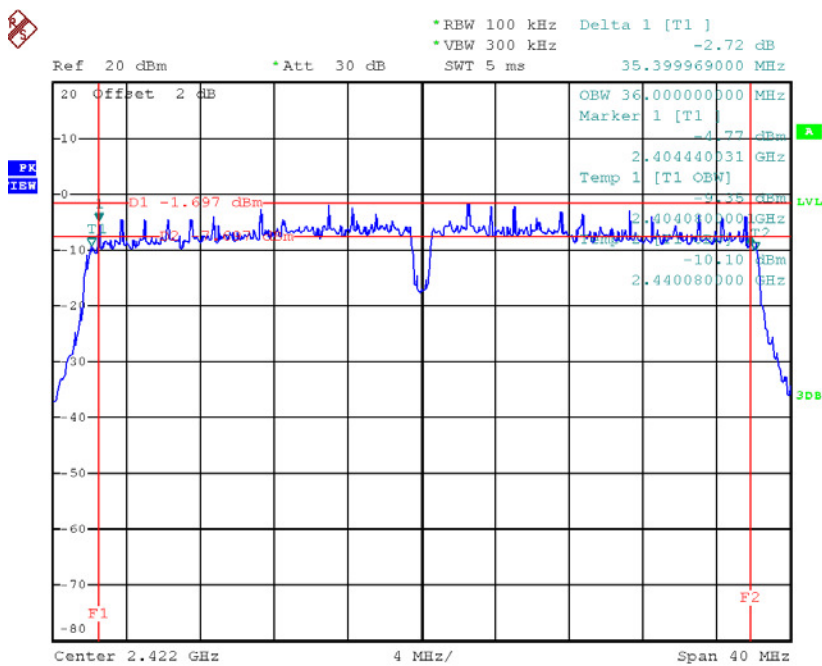
TX CH11



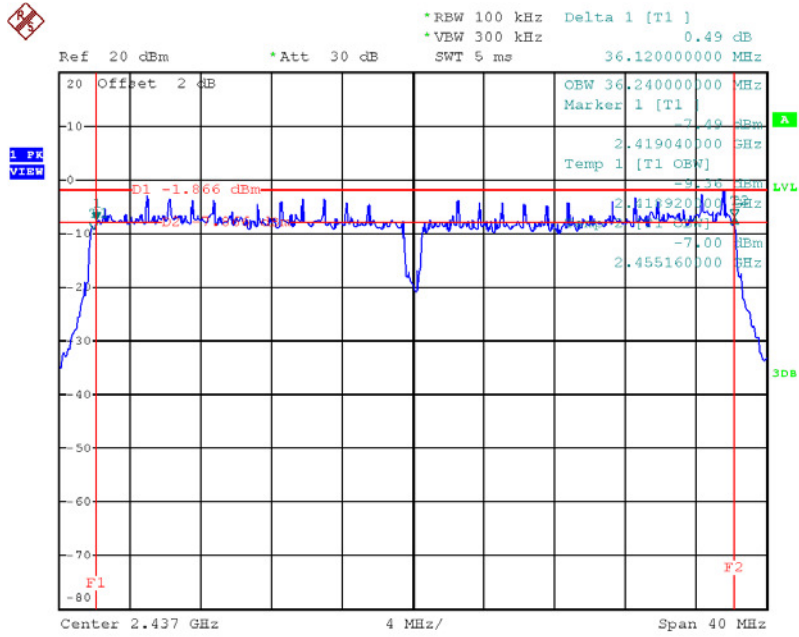
Test Mode : TX N-40MHz Mode_CH03/06/09

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.4	36	500	Complies
2437	36.12	36.24	500	Complies
2452	35.28	36	500	Complies

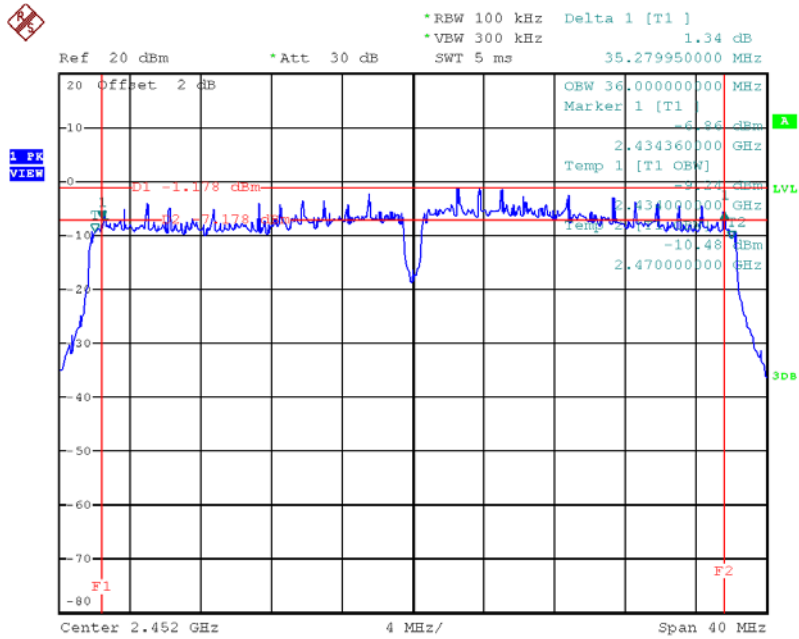
TX CH03



TX CH06



TX CH09



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	19.59	0.09	30.00	1.00	Complies
2437	19.36	0.09	30.00	1.00	Complies
2462	19.72	0.09	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	24.05	0.25	30.00	1.00	Complies
2437	24.35	0.27	30.00	1.00	Complies
2462	23.75	0.24	30.00	1.00	Complies

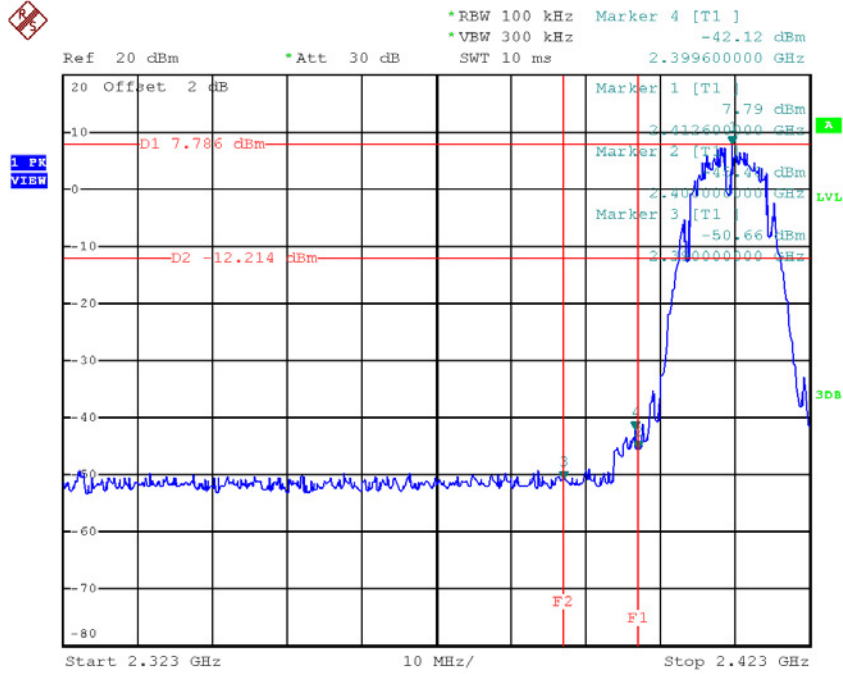
Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.80	0.15	30.00	1.00	Complies
2437	21.62	0.15	30.00	1.00	Complies
2462	22.11	0.16	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	22.10	0.16	30.00	1.00	Complies
2437	22.39	0.17	30.00	1.00	Complies
2452	21.89	0.15	30.00	1.00	Complies

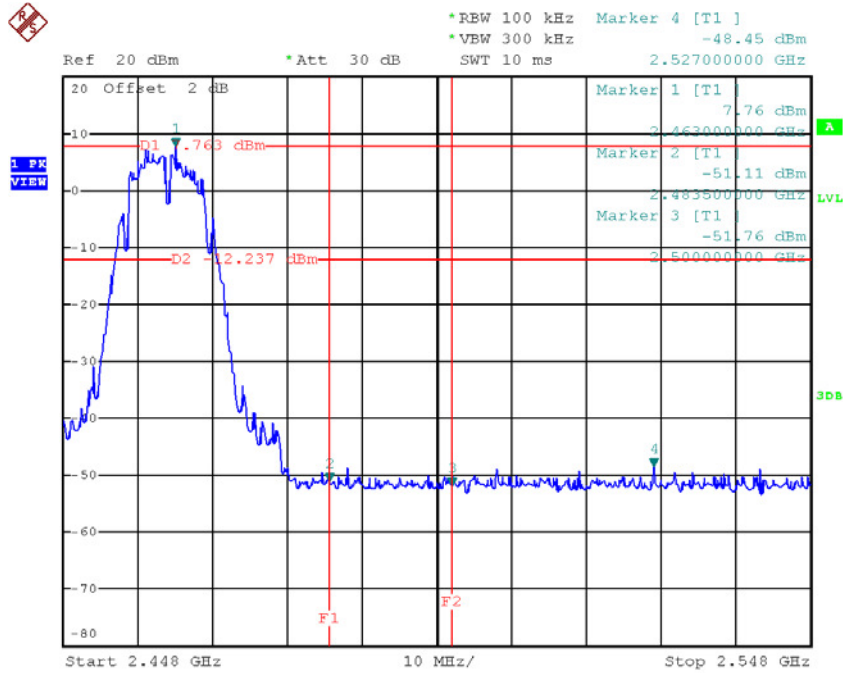
**ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS
EMISSION**

Test Mode : TX B Mode

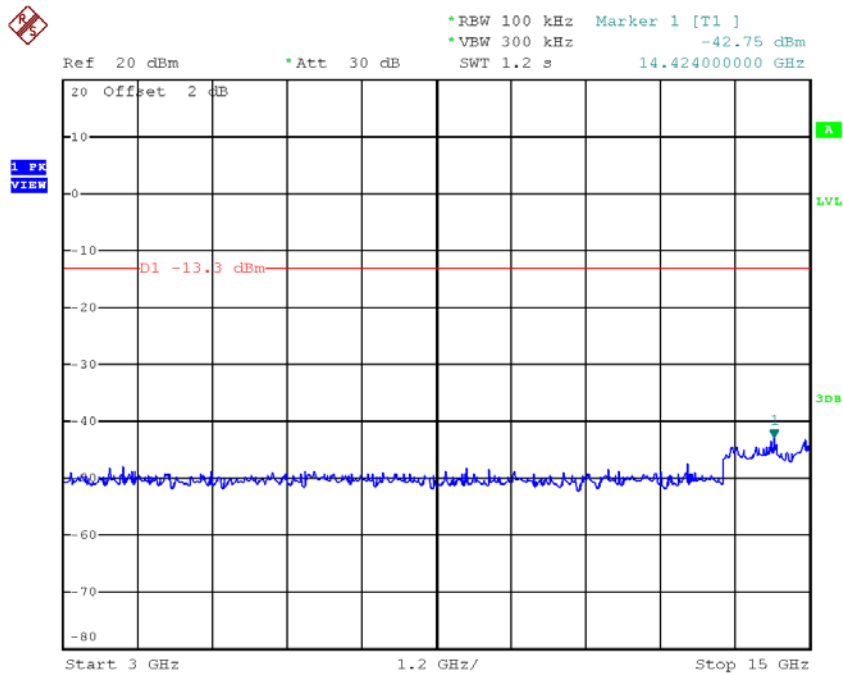
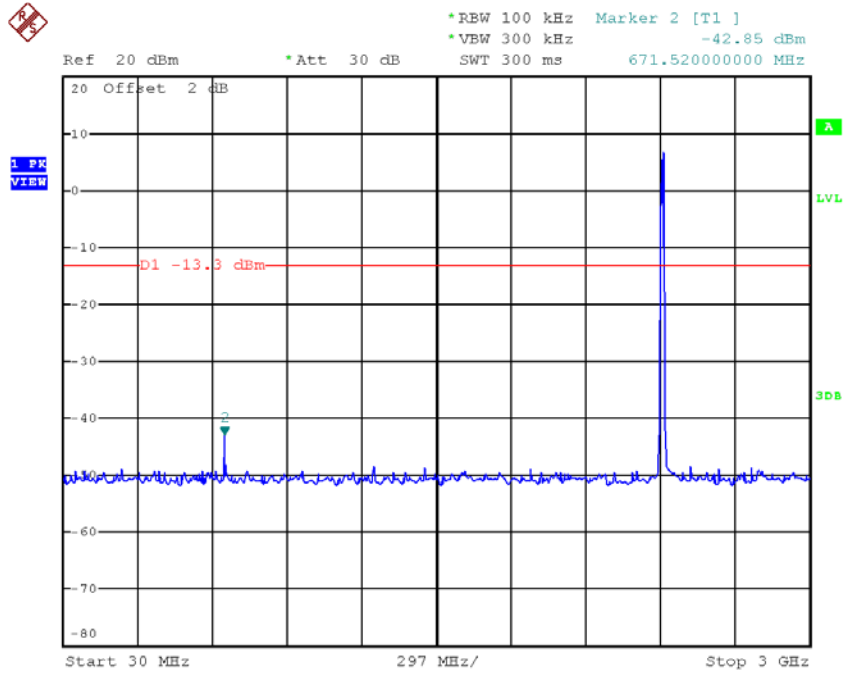
TX B mode CH01

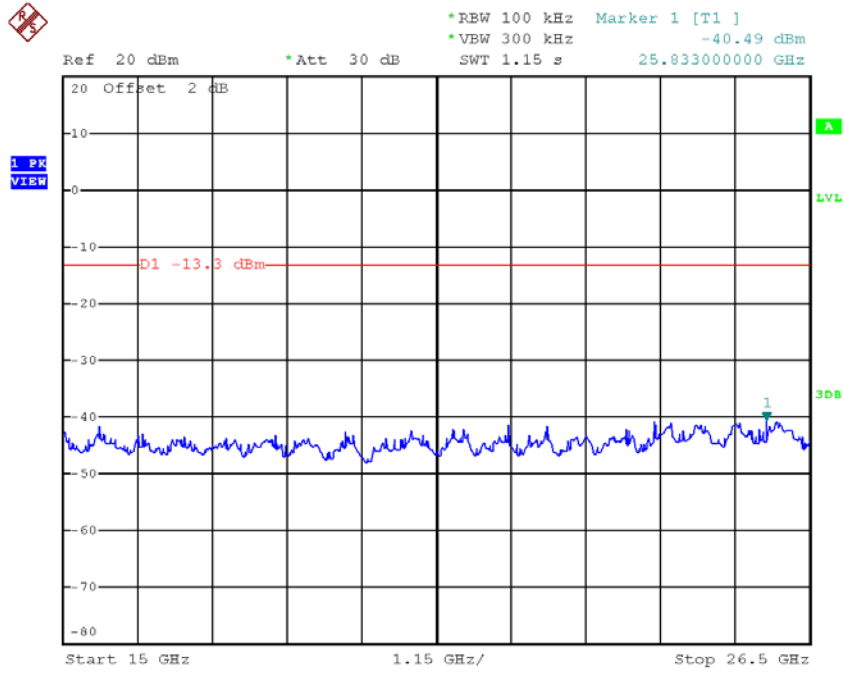


TX B mode CH11

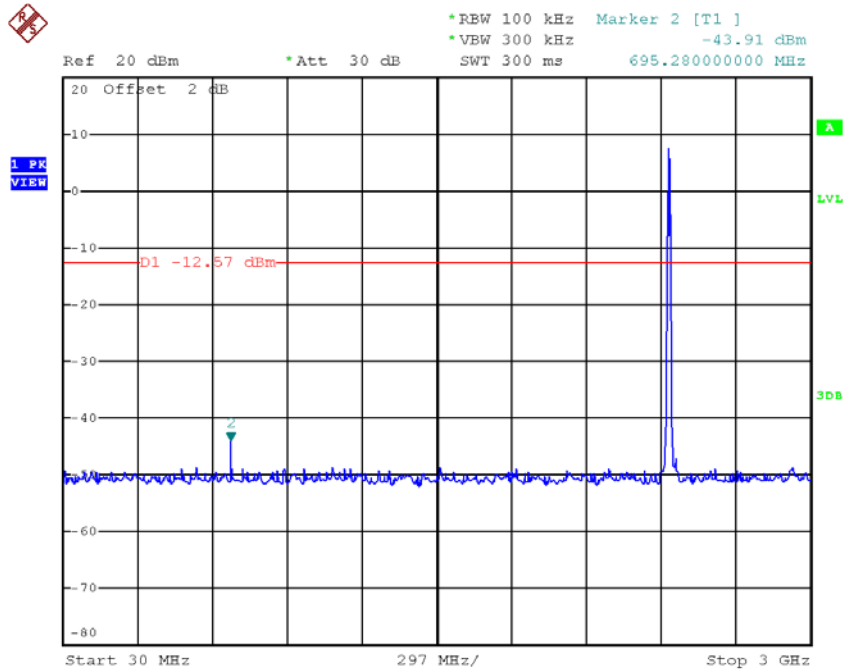


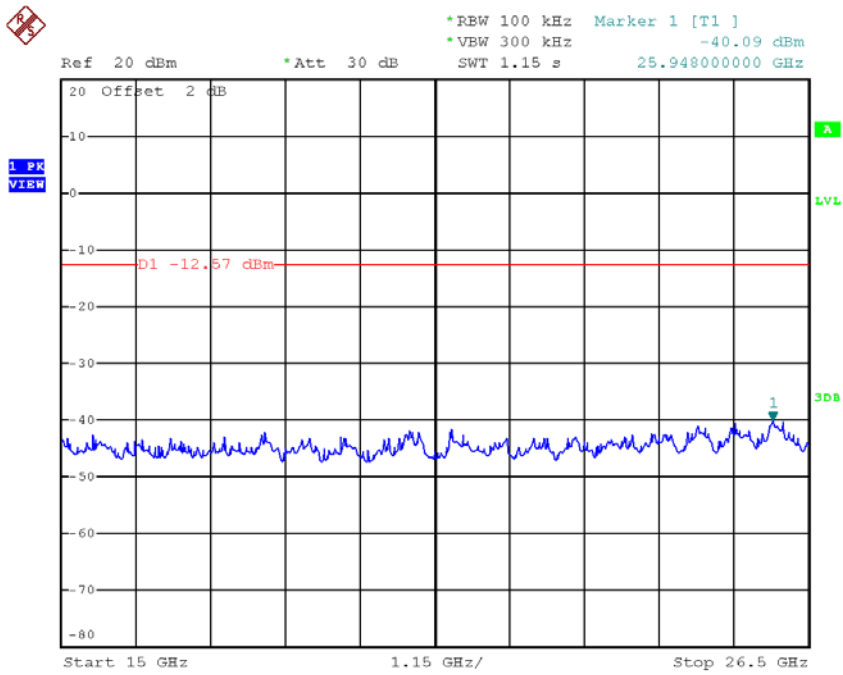
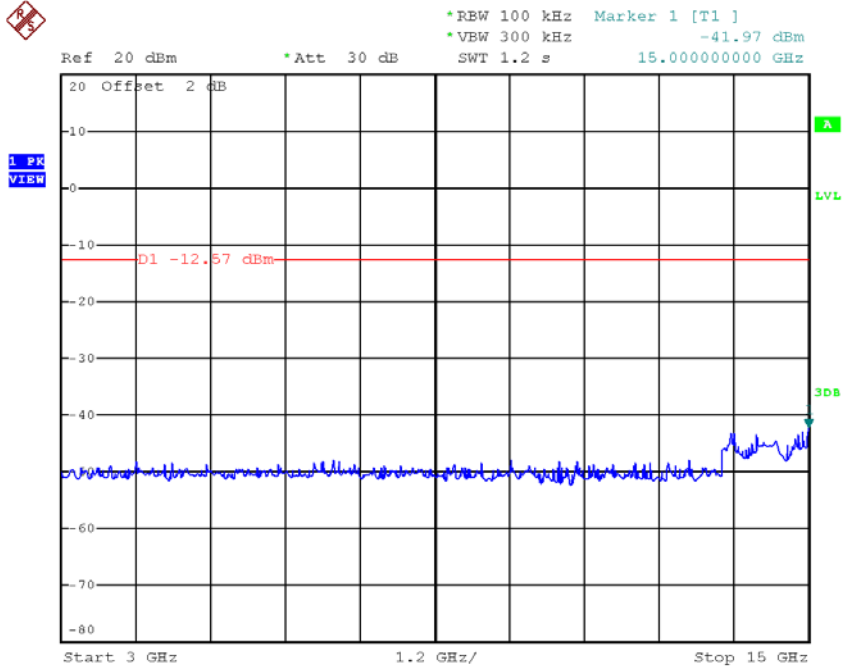
TX B mode CH01 (10 Harmonic of the frequency)



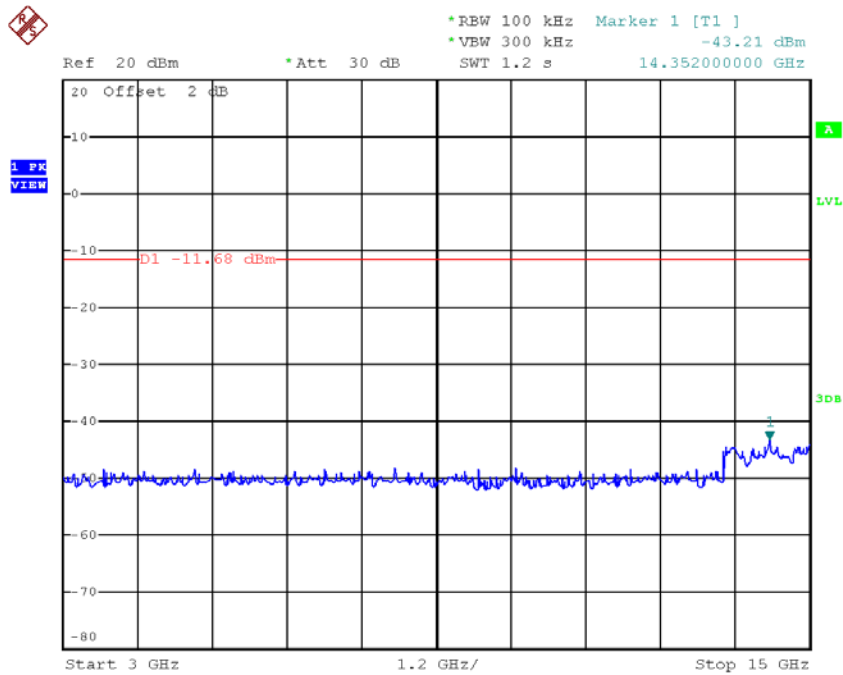
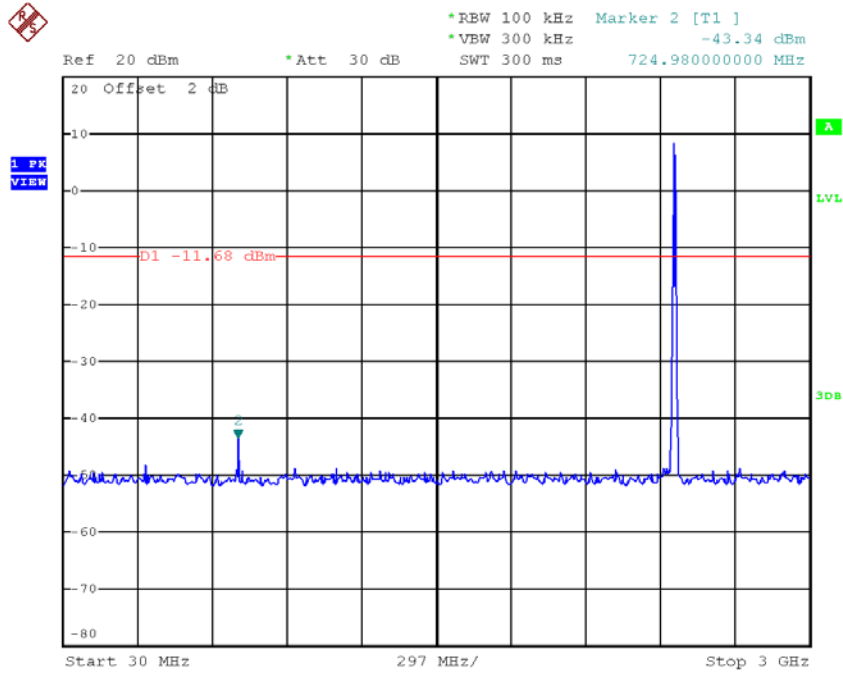


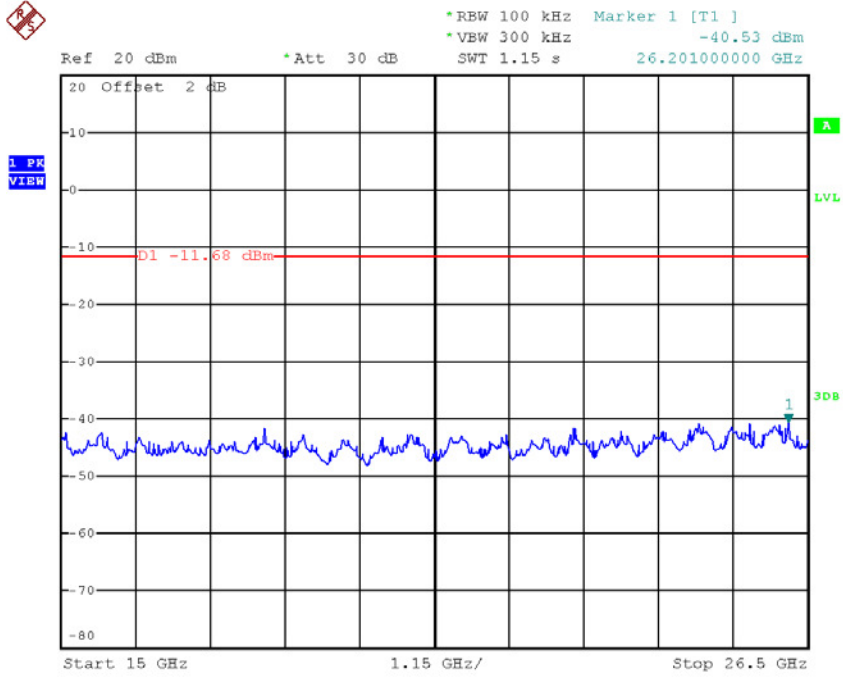
TX B mode CH06 (10 Harmonic of the frequency)





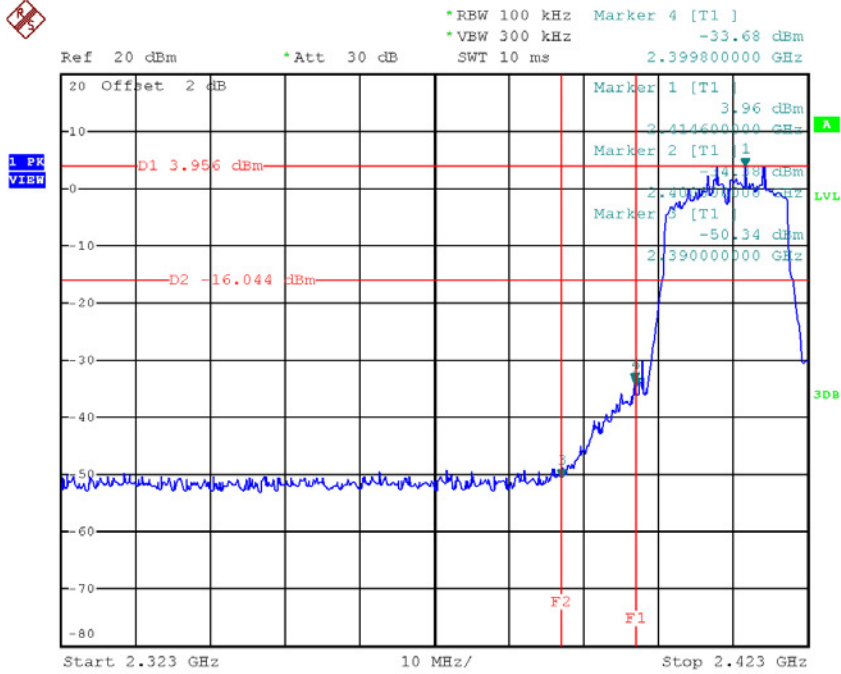
TX B mode CH11 (10 Harmonic of the frequency)



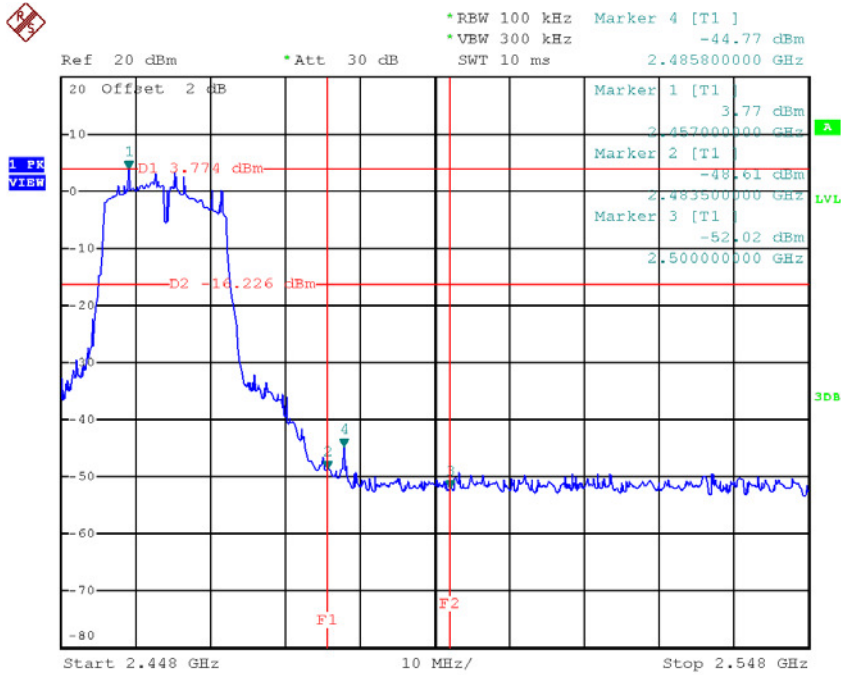


Test Mode : TX G Mode

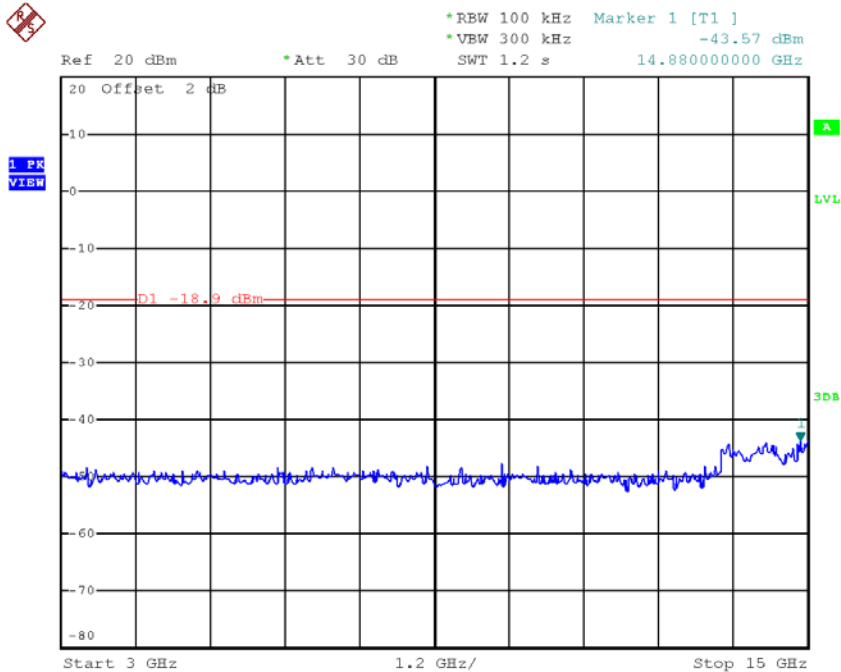
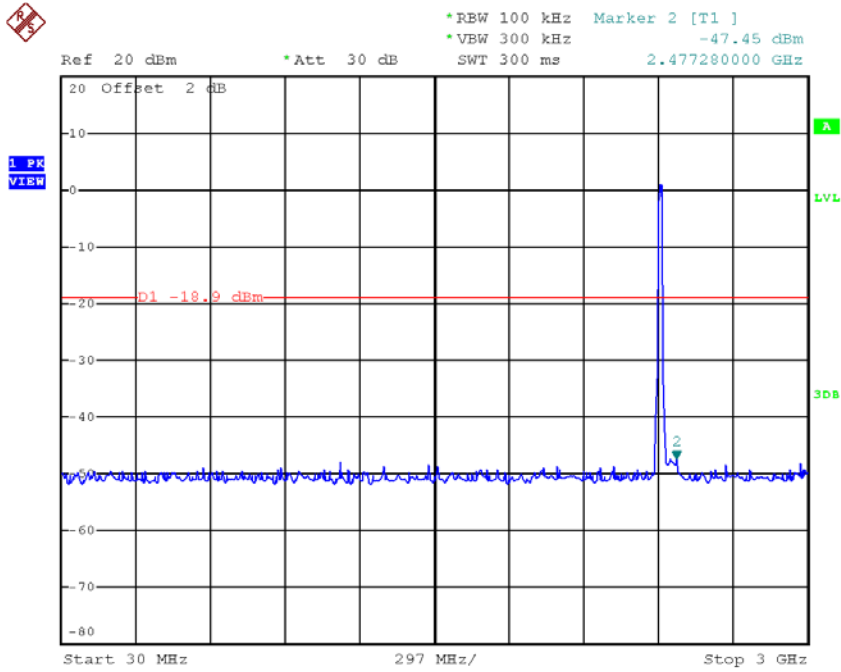
TX G mode CH01

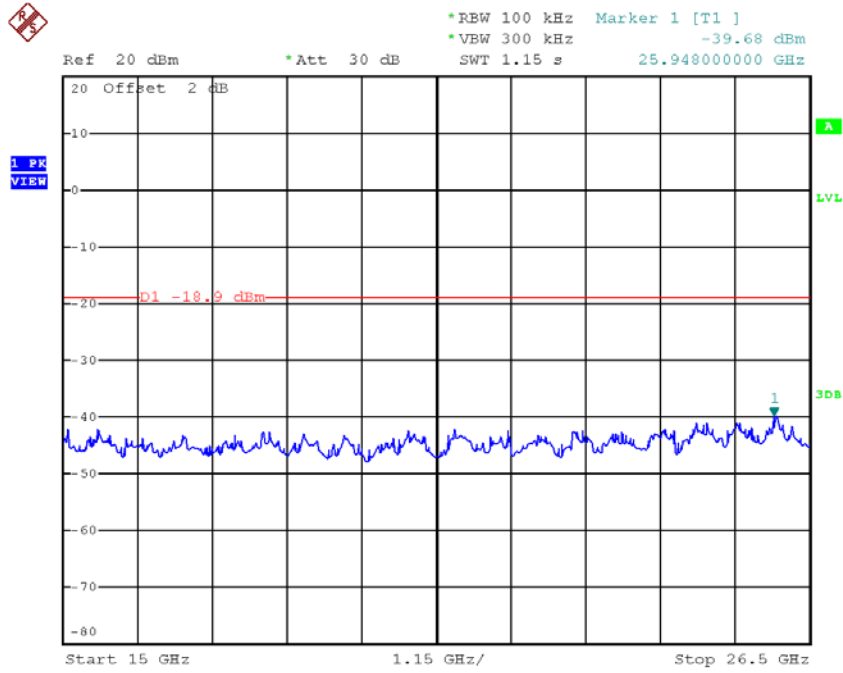


TX G mode CH11

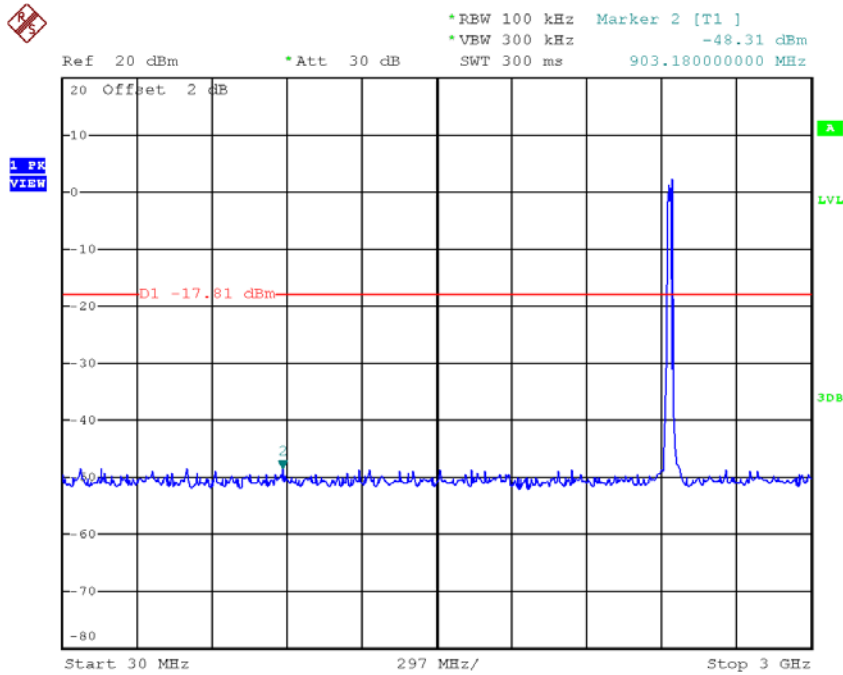


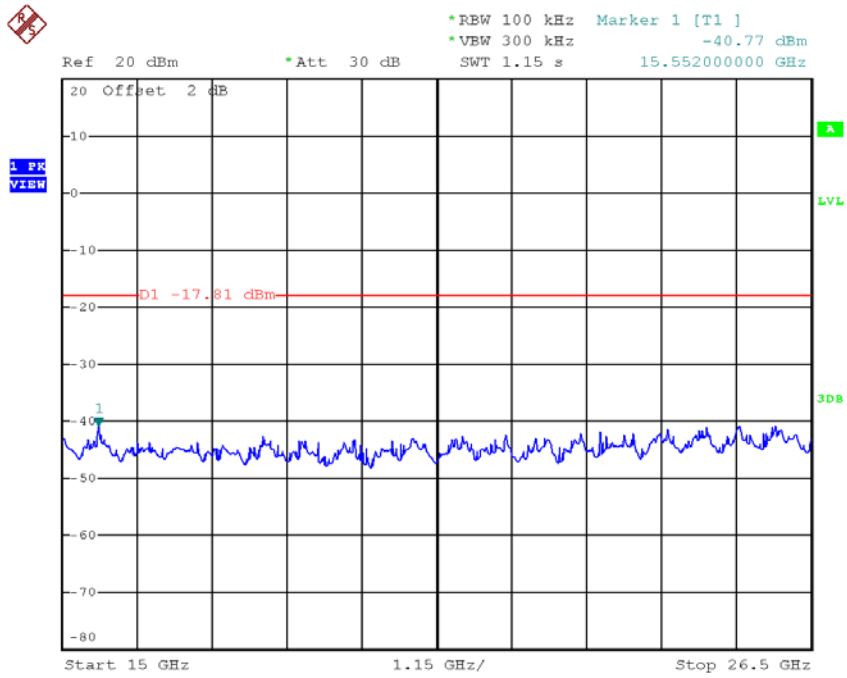
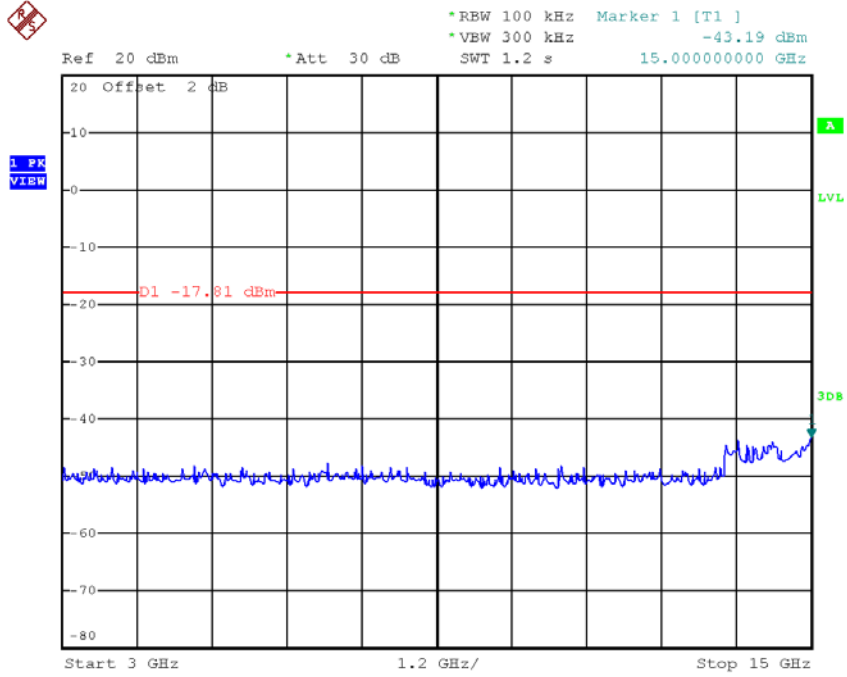
TX G mode CH01 (10 Harmonic of the frequency)



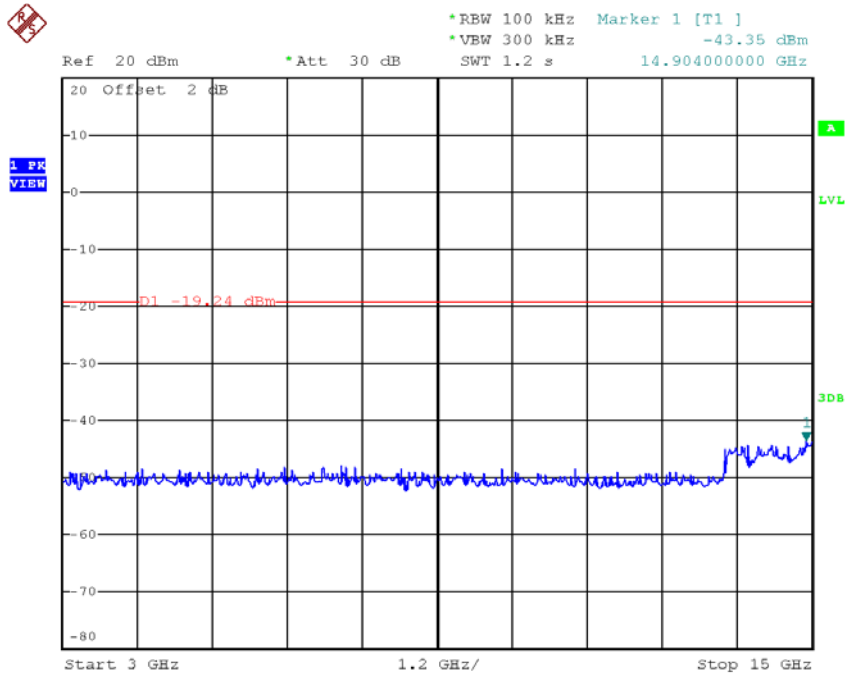
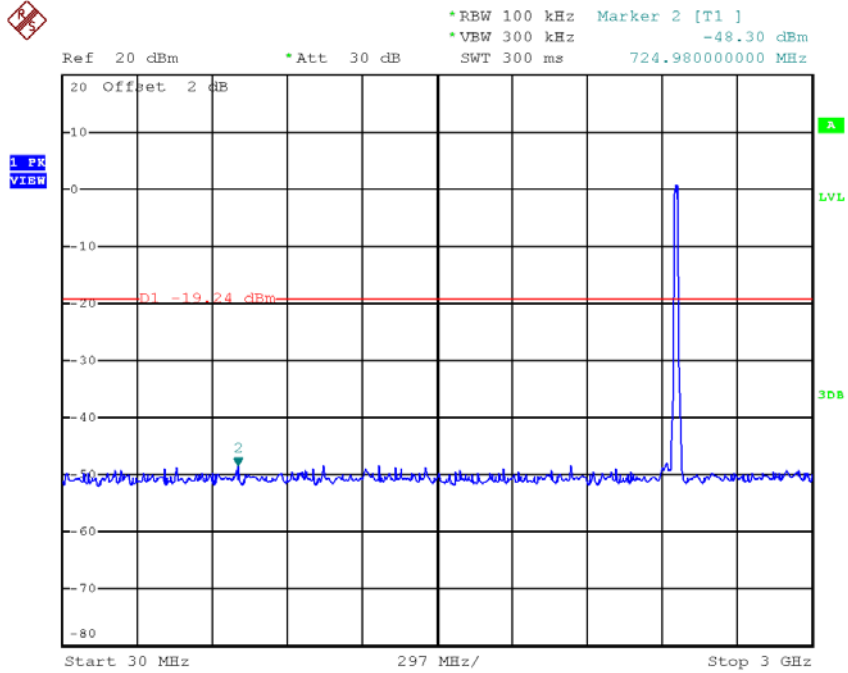


TX G mode CH06 (10 Harmonic of the frequency)





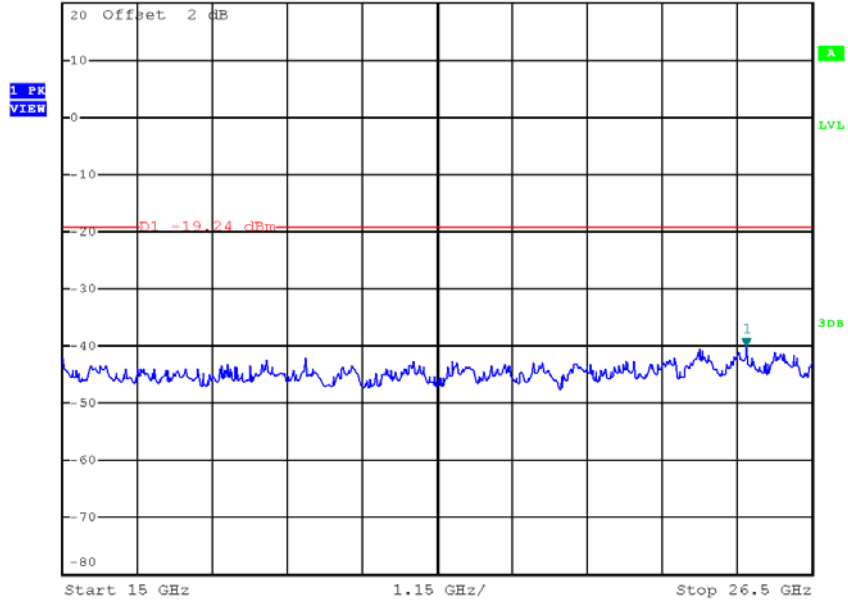
TX G mode CH11 (10 Harmonic of the frequency)





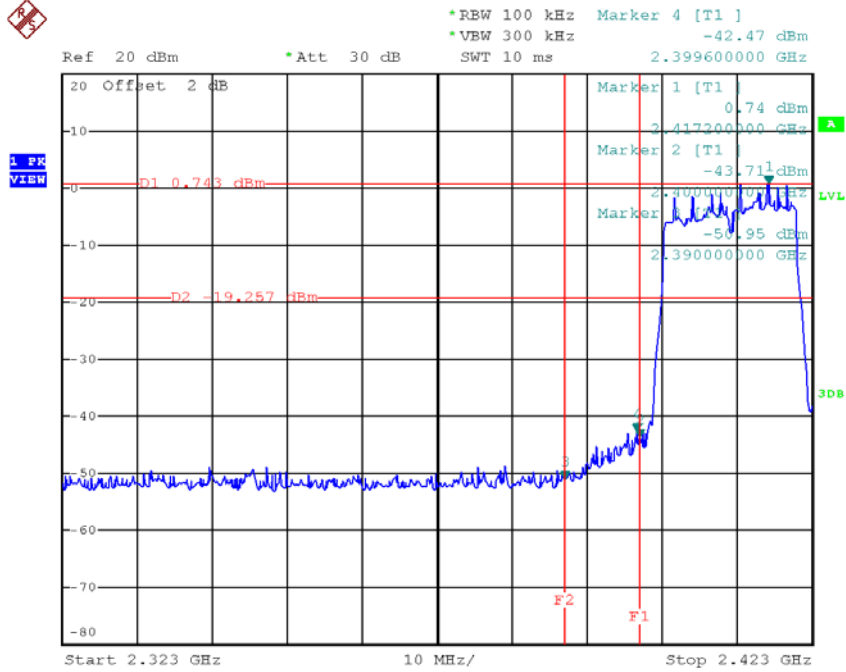
*REW 100 kHz Marker 1 [T1]
*VEW 300 kHz -39.96 dBm
SWT 1.15 s 25.488000000 GHz

Ref 20 dBm *Att 30 dB

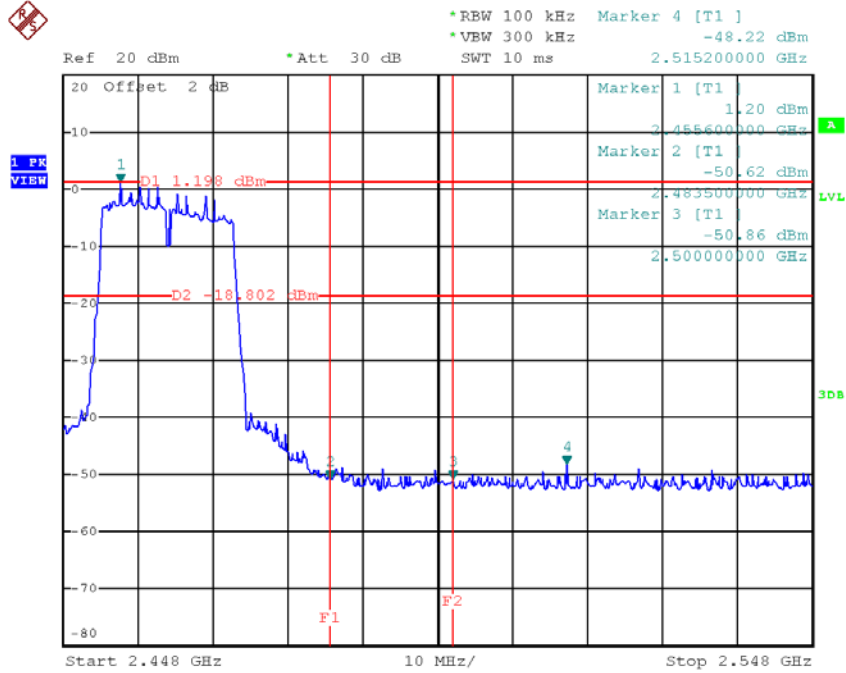


Test Mode : TX N-20M Mode

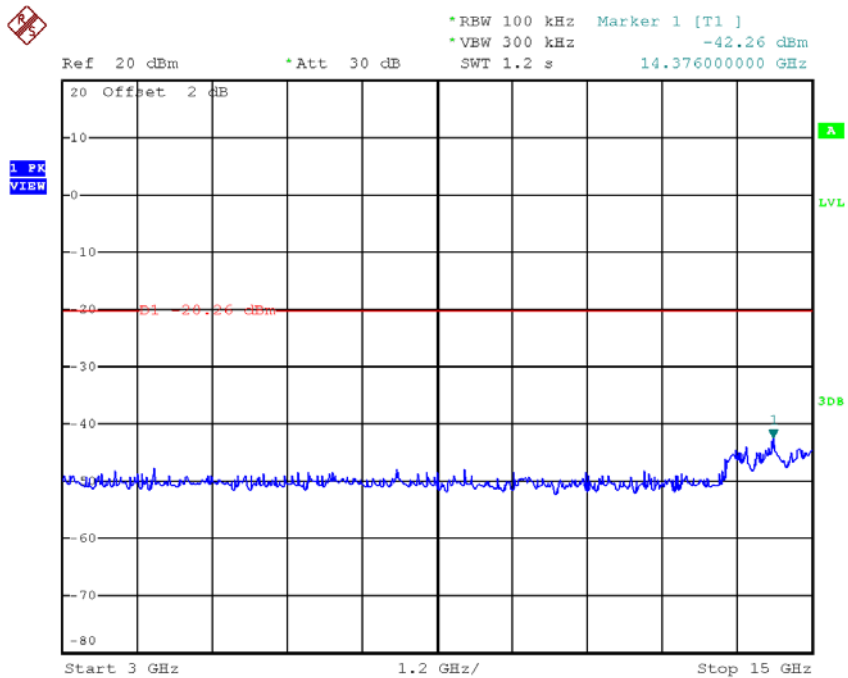
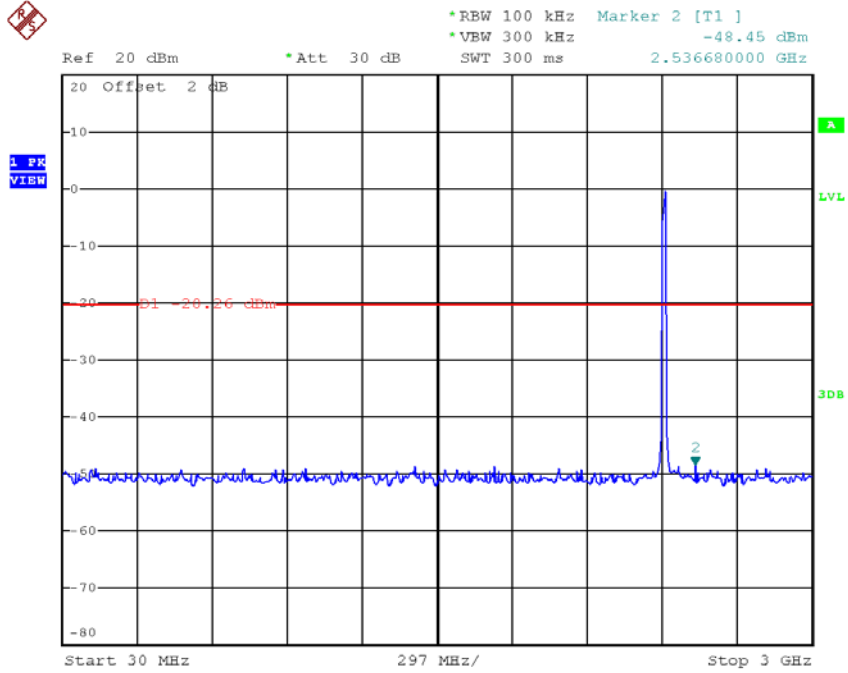
TX HT20 mode CH01

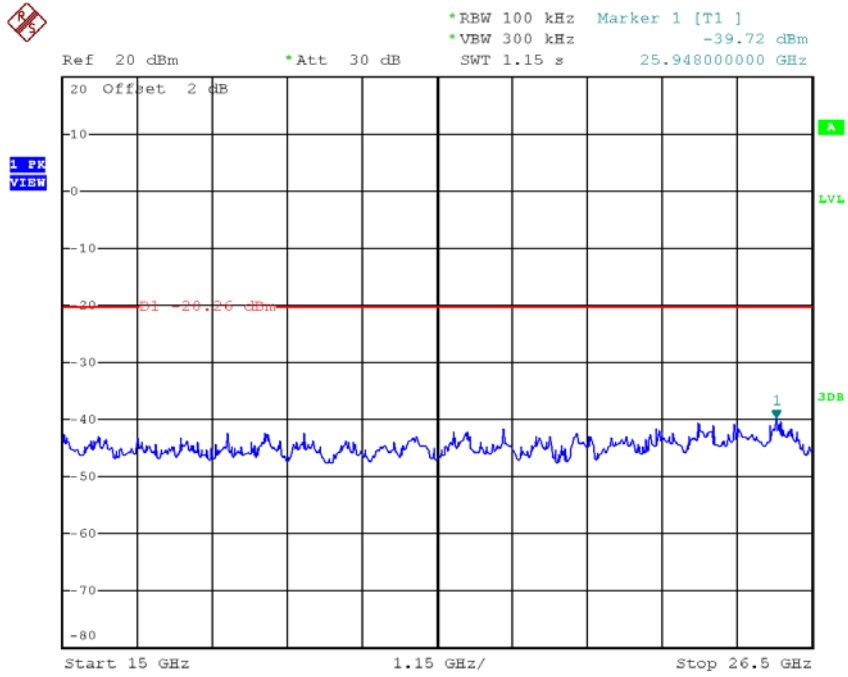


TX HT20 mode CH11

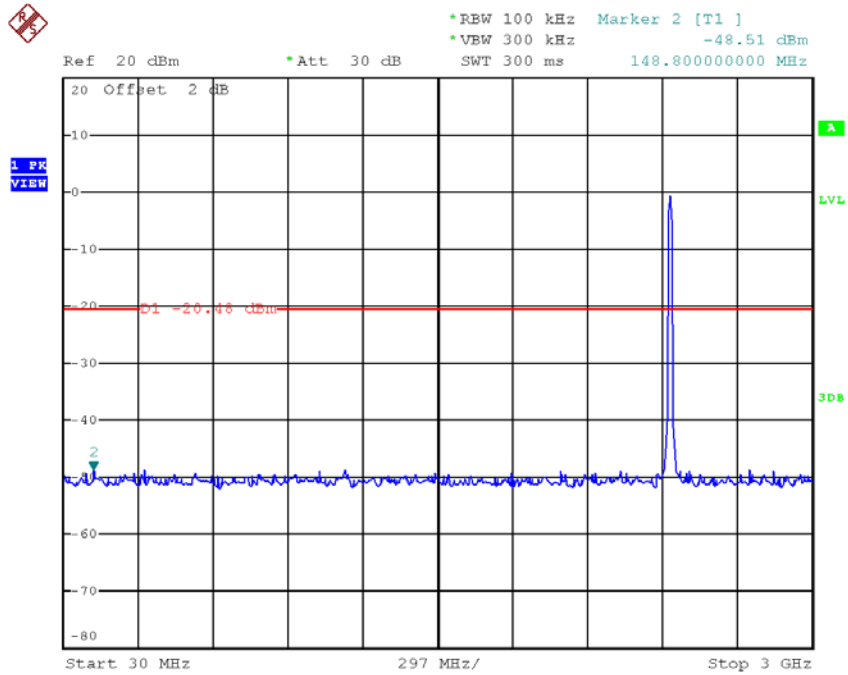


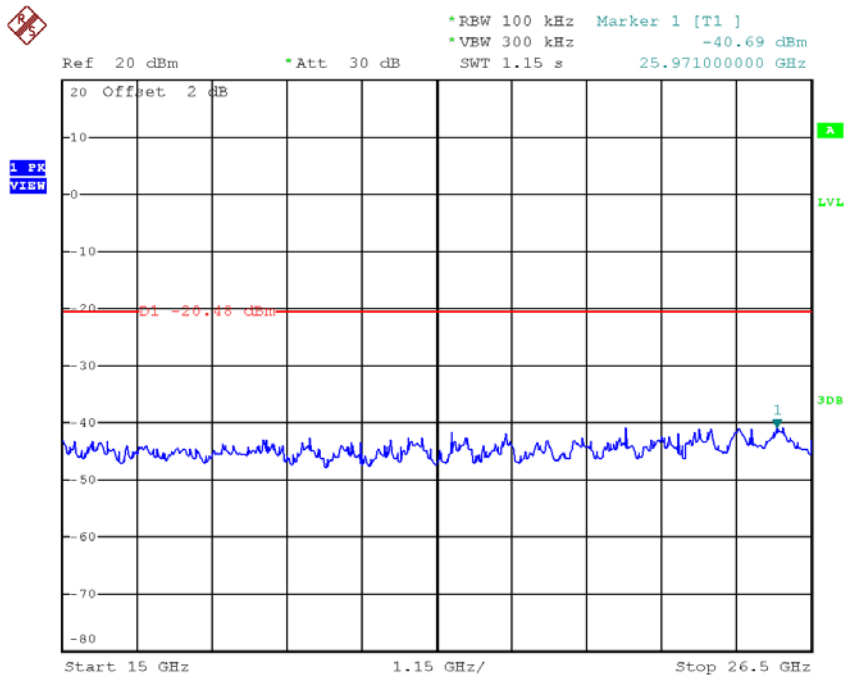
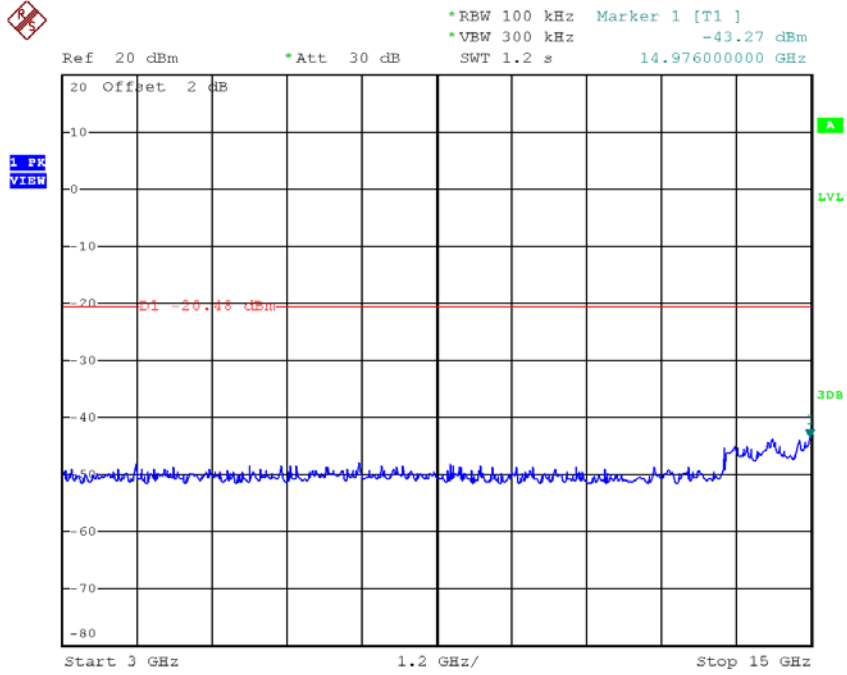
TX HT20 mode CH01 (10 Harmonic of the frequency)



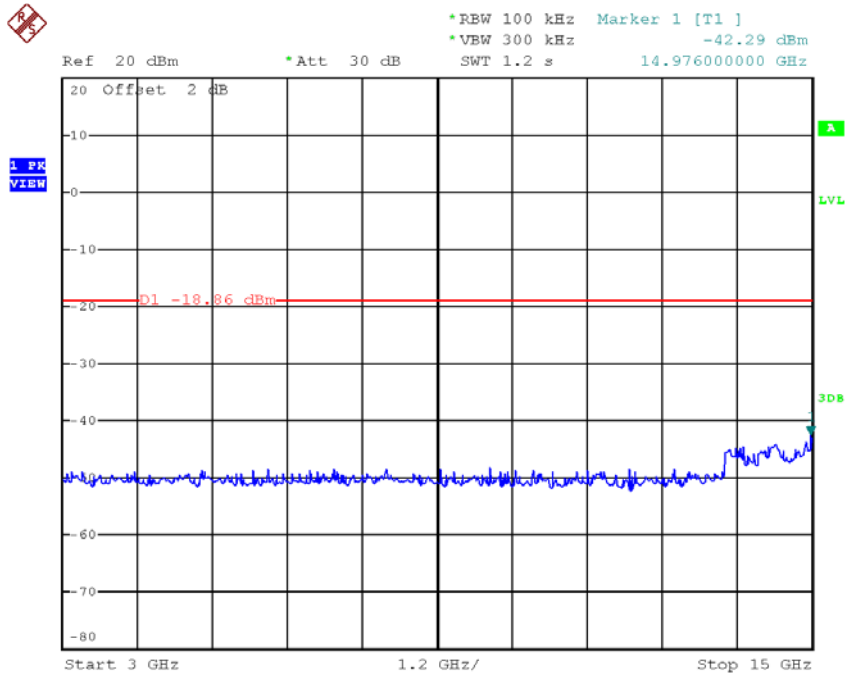
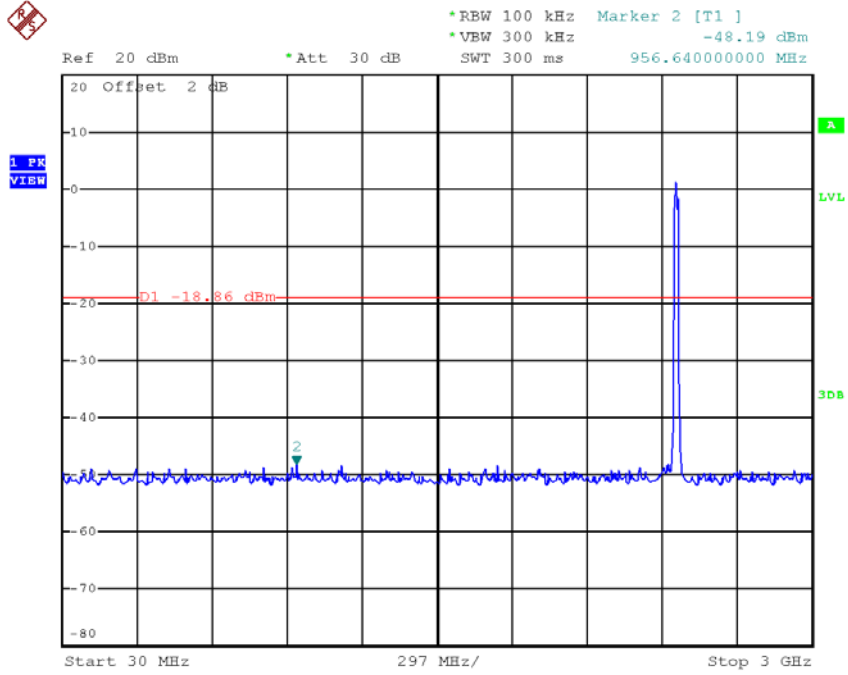


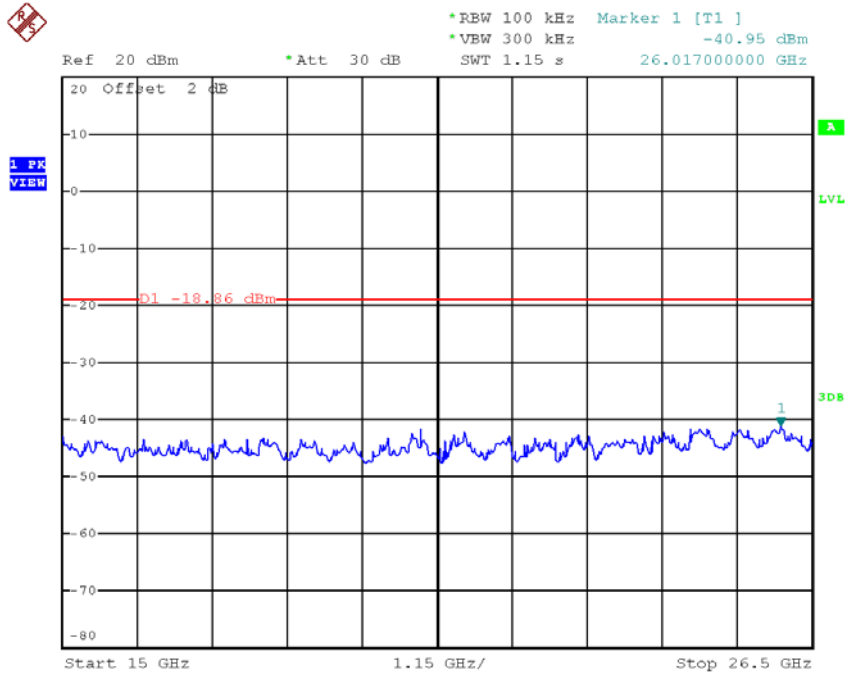
TX HT20 mode CH06 (10 Harmonic of the frequency)





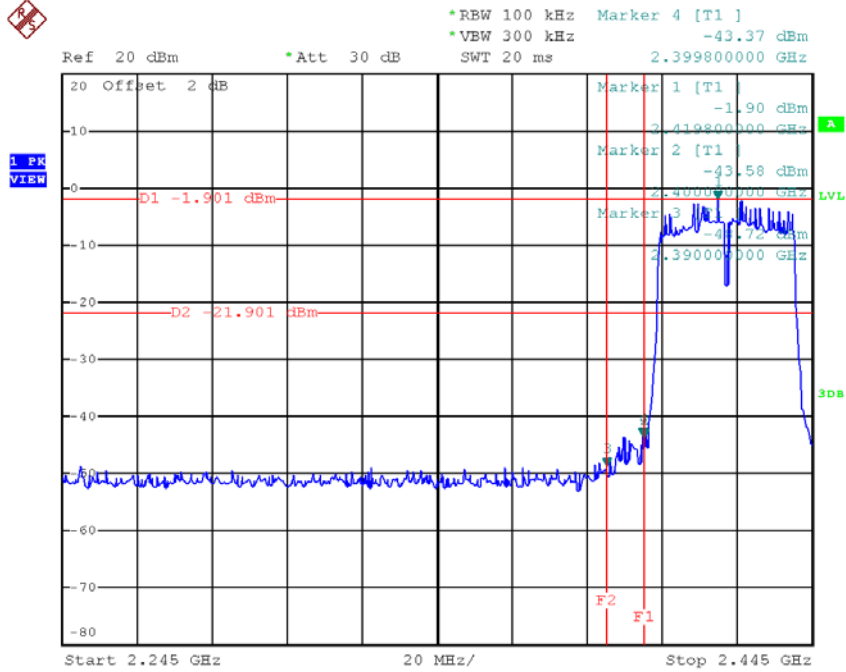
TX HT20 mode CH11 (10 Harmonic of the frequency)



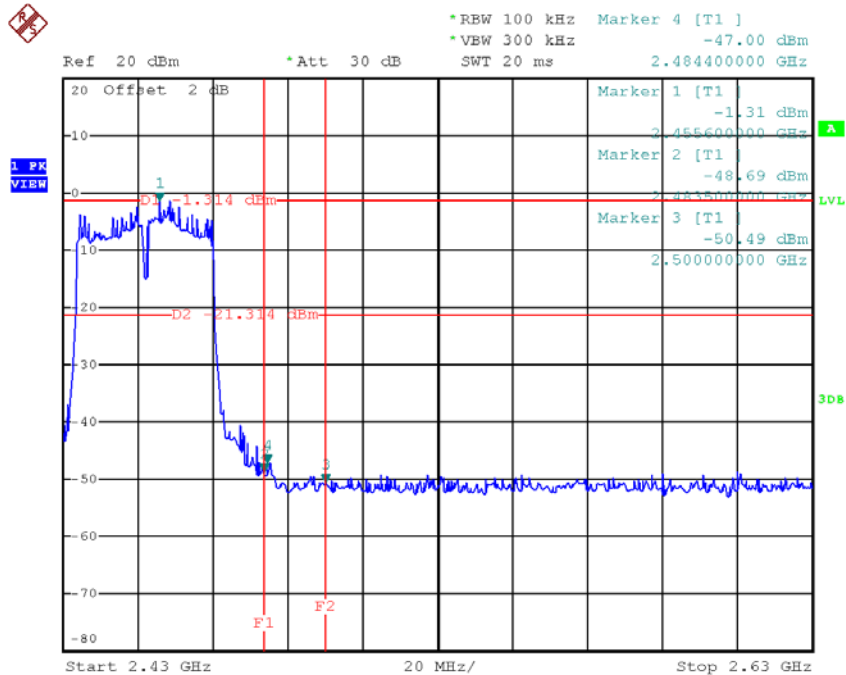


Test Mode : TX N-40M Mode

TX HT40 mode CH03



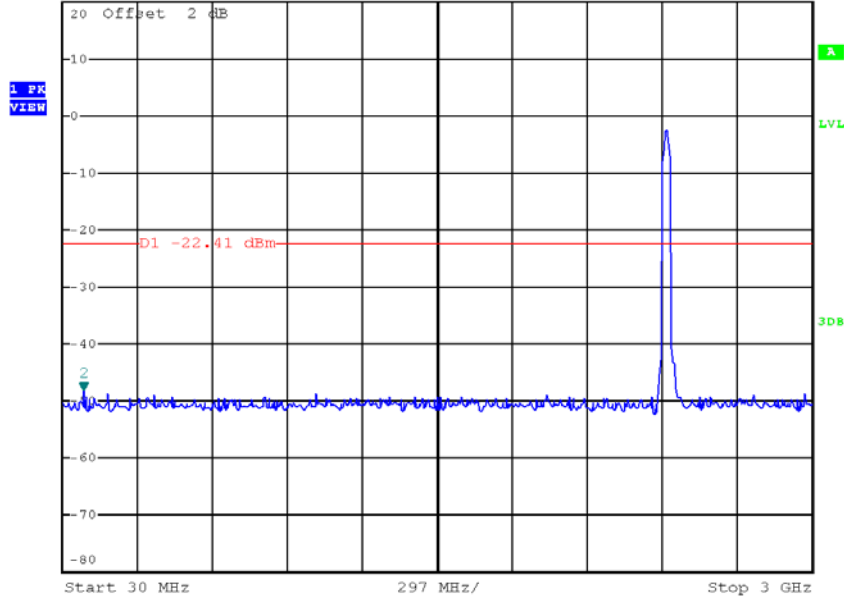
TX HT40 mode CH09



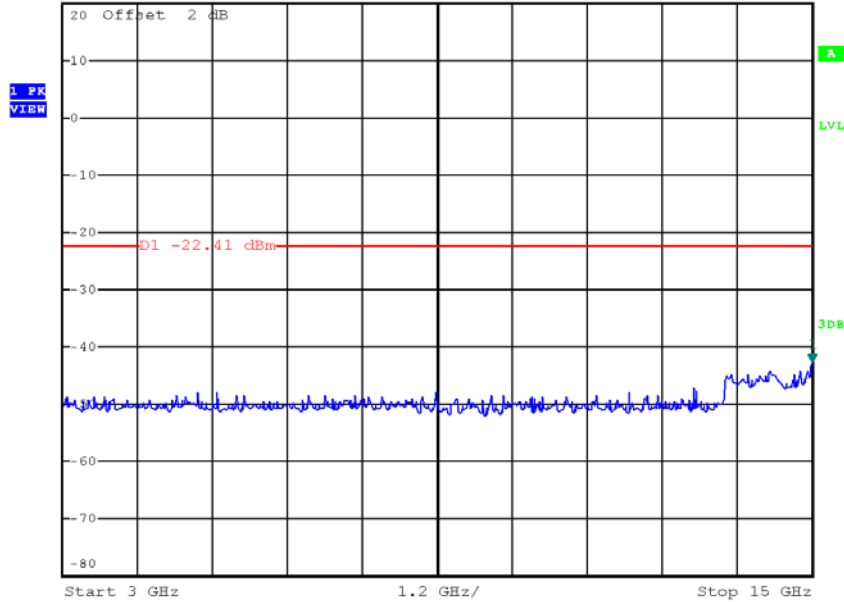
TX HT40 mode CH03 (10 Harmonic of the frequency)

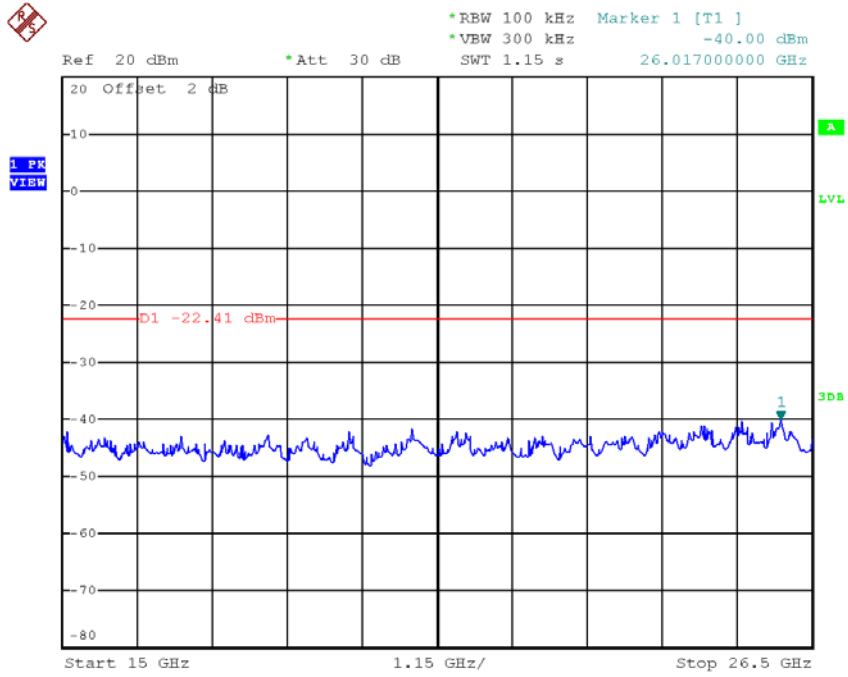


Ref 20 dBm *Att 30 dB *REW 100 kHz Marker 2 [T1]
*VEW 300 kHz -48.12 dBm
SWT 300 ms 113.160000000 MHz

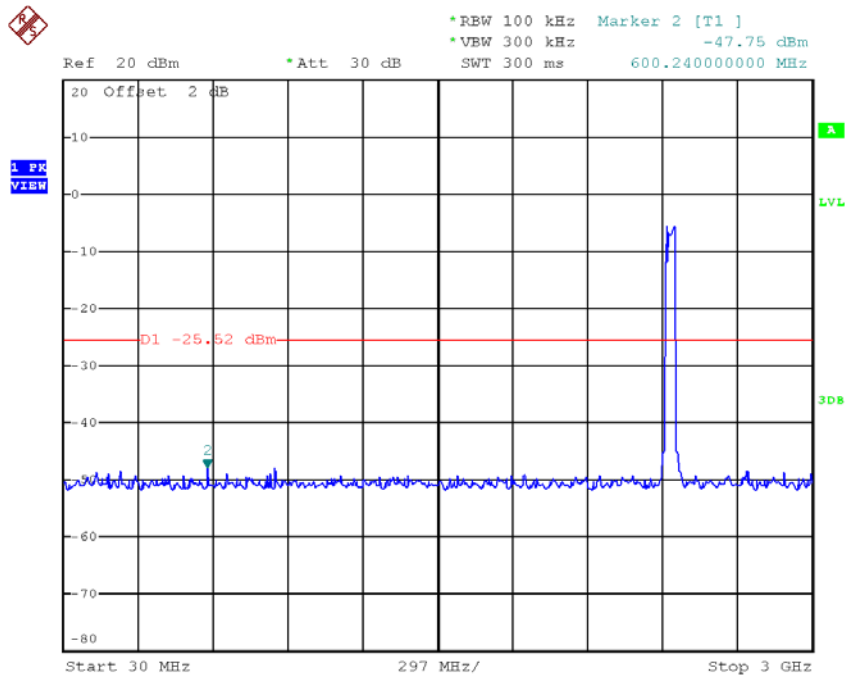


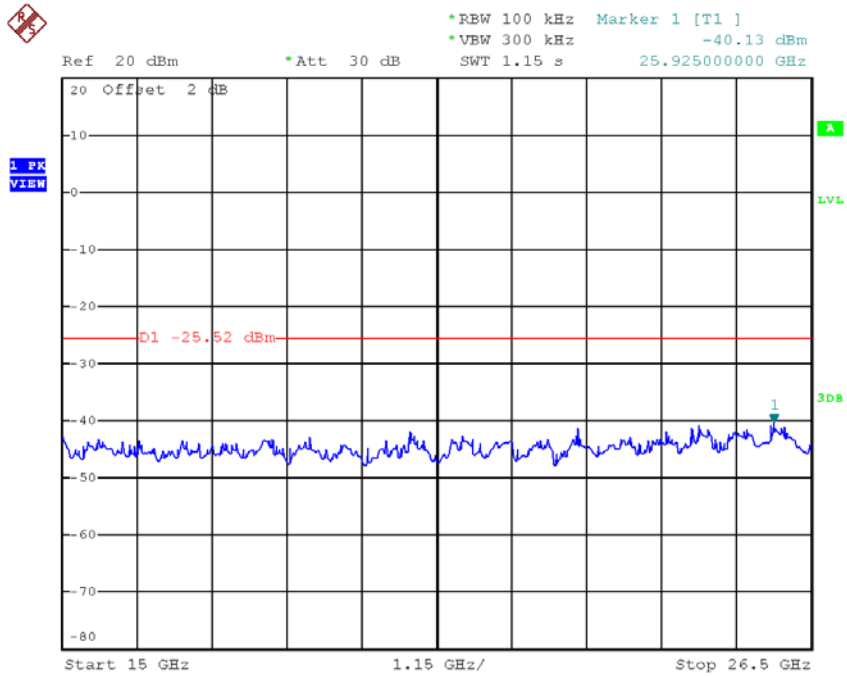
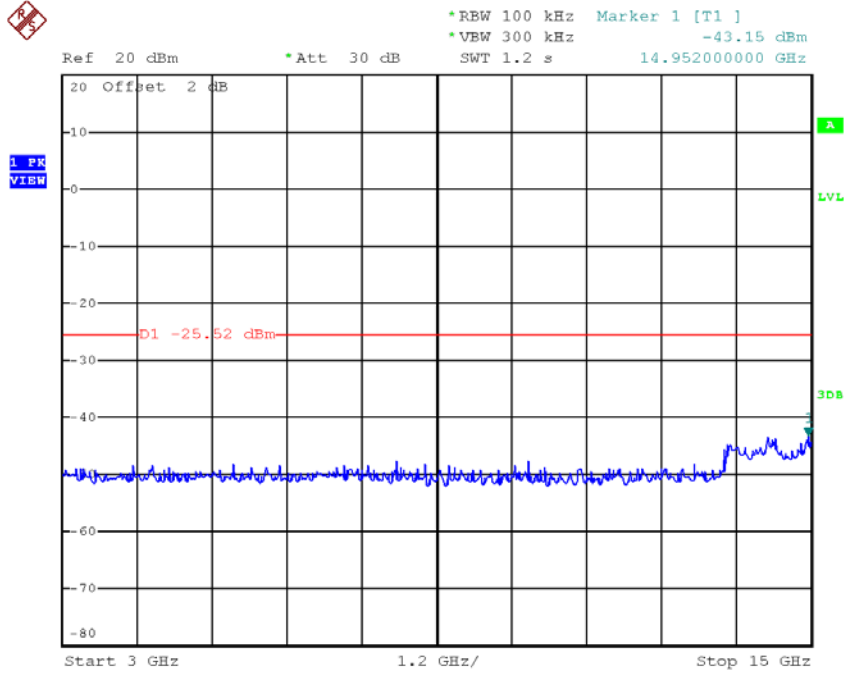
Ref 20 dBm *Att 30 dB *REW 100 kHz Marker 1 [T1]
*VEW 300 kHz -42.61 dBm
SWT 1.2 s 15.000000000 GHz





TX HT40 mode CH06 (10 Harmonic of the frequency)

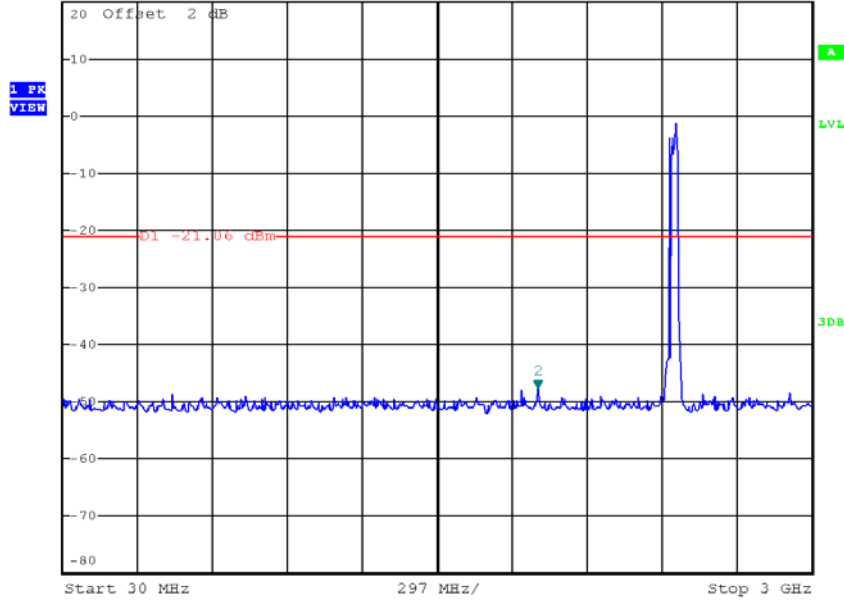




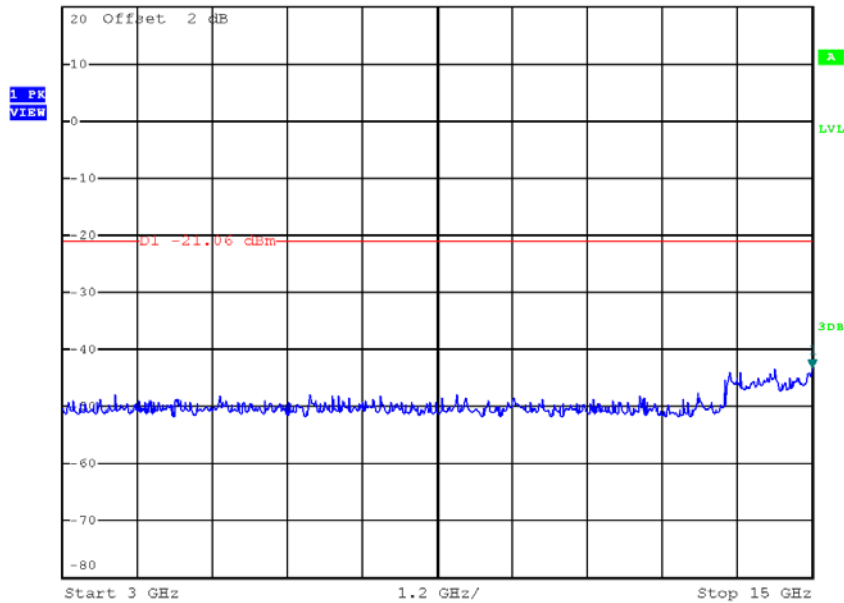
TX HT40 mode CH09 (10 Harmonic of the frequency)



Ref 20 dBm *Att 30 dB *REW 100 kHz Marker 2 [T1]
*VBW 300 kHz -47.64 dBm
SWT 300 ms 1.912980000 GHz



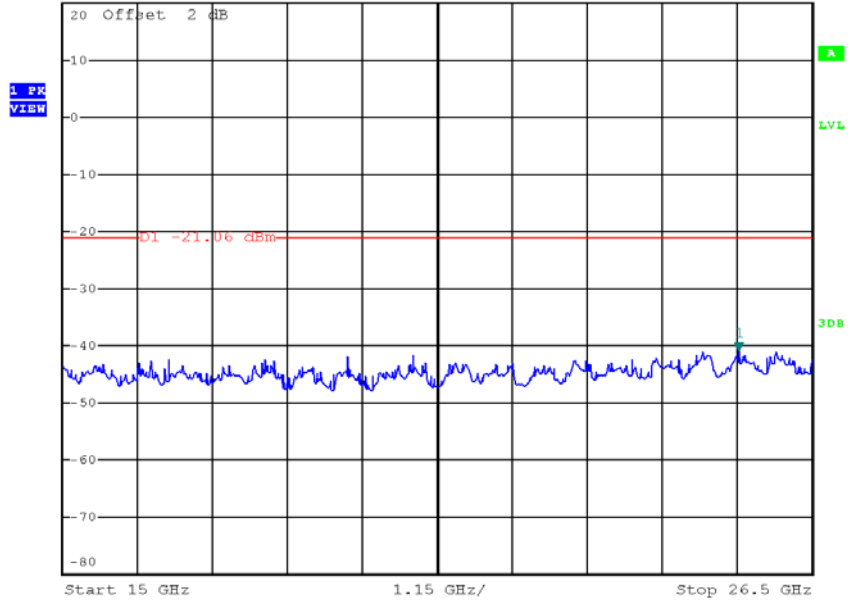
Ref 20 dBm *Att 30 dB *REW 100 kHz Marker 1 [T1]
*VBW 300 kHz -43.17 dBm
SWT 1.2 s 15.000000000 GHz





*REW 100 kHz Marker 1 [T1]
*VBW 300 kHz -40.83 dBm
SWT 1.15 s 25.373000000 GHz

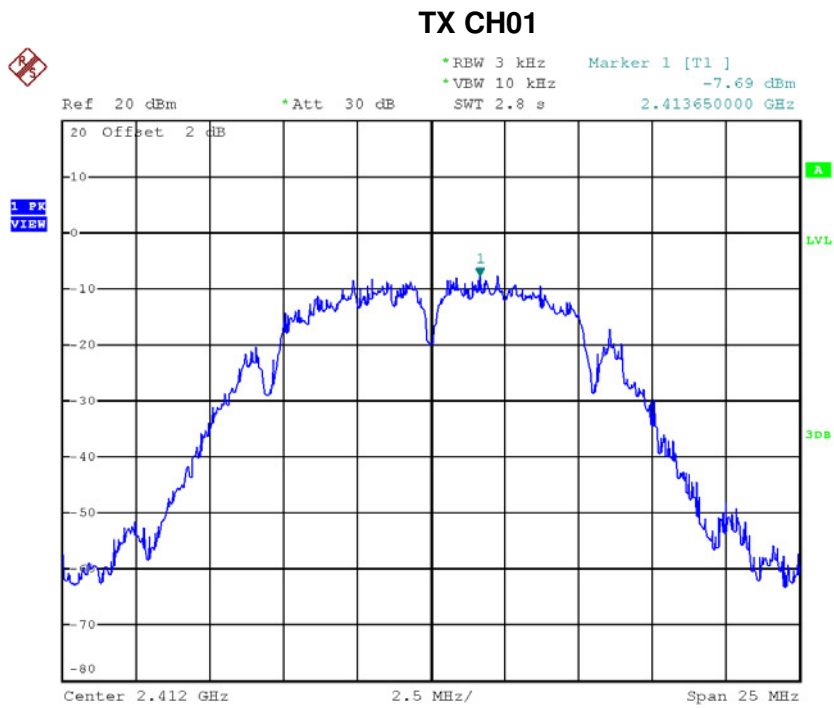
Ref 20 dBm *Att 30 dB



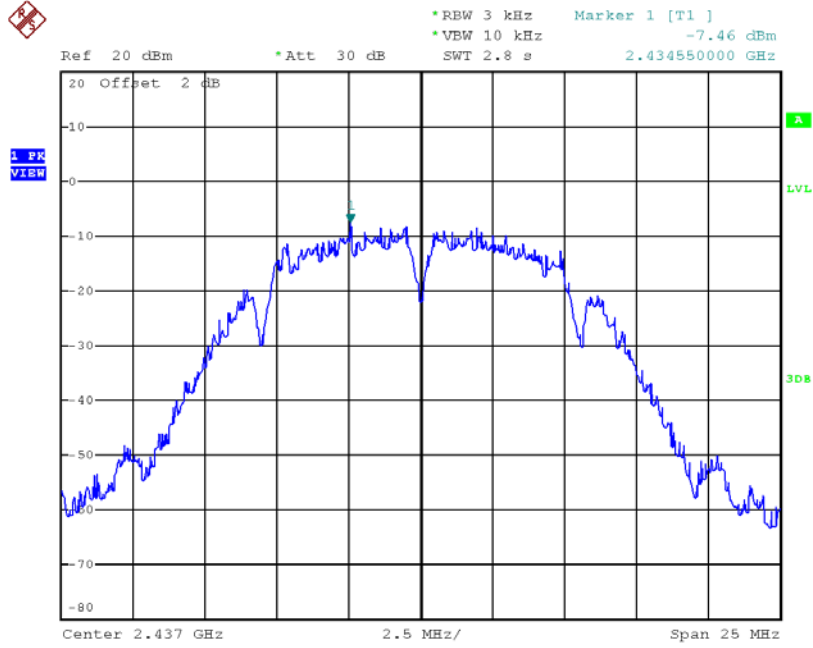
ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode_CH01/06/11

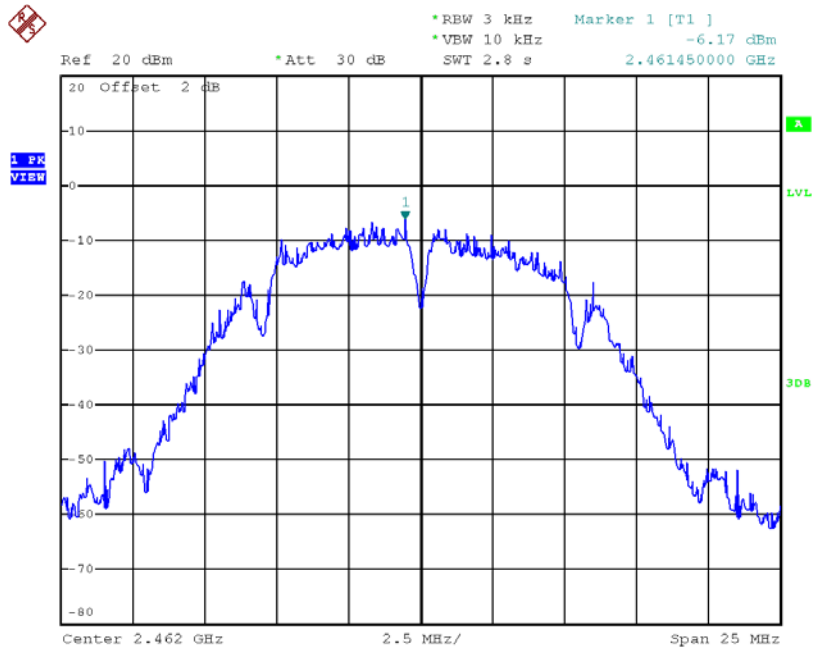
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-7.69	0.1702	8.00	Complies
2437	-7.46	0.1795	8.00	Complies
2462	-6.17	0.2415	8.00	Complies



TX CH06



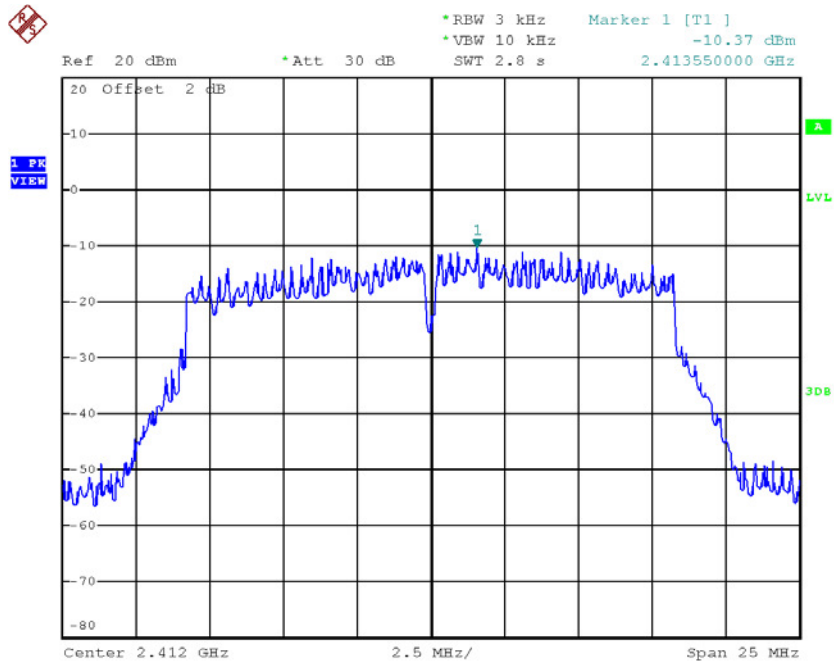
TX CH11



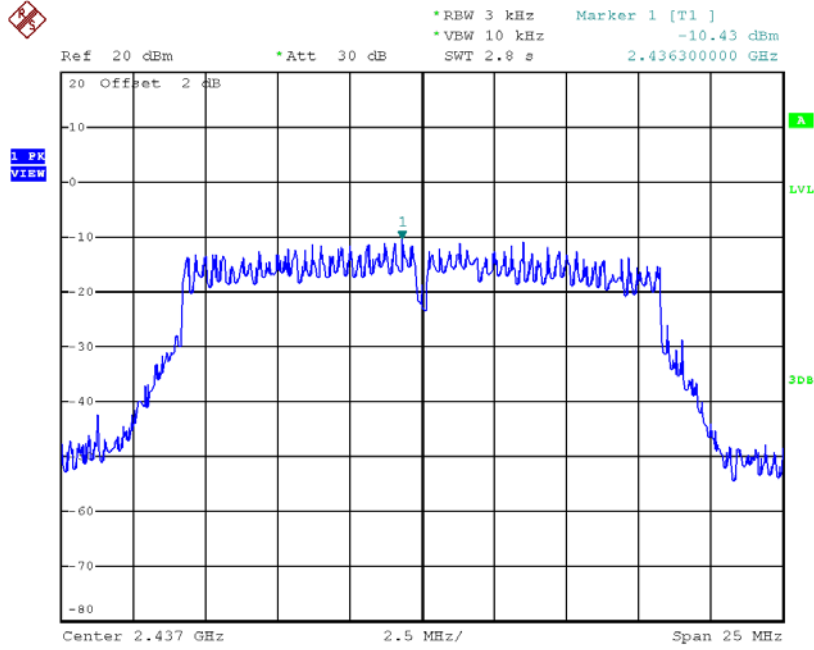
Test Mode :TX G Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-10.37	0.0918	8.00	Complies
2437	-10.43	0.0906	8.00	Complies
2462	-11.07	0.0782	8.00	Complies

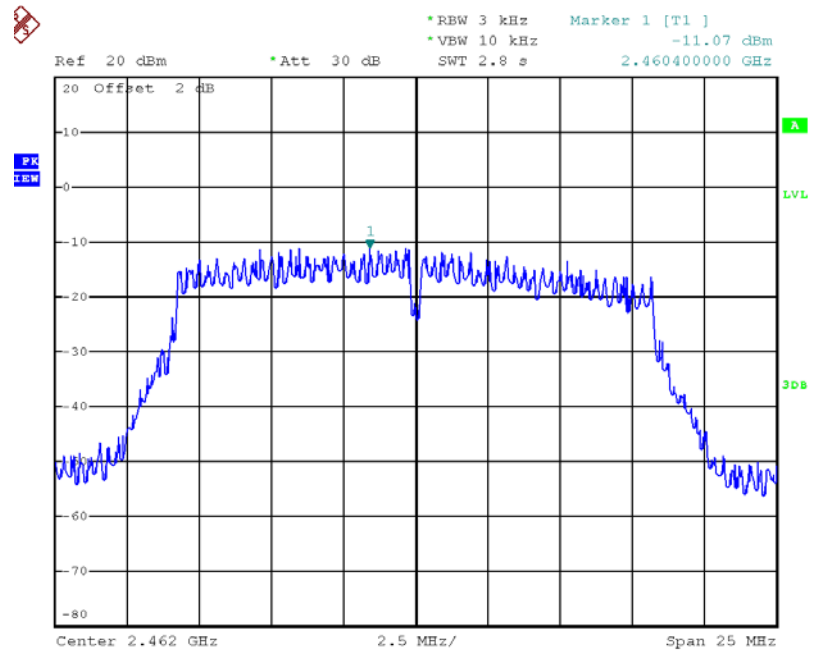
TX CH01



TX CH06



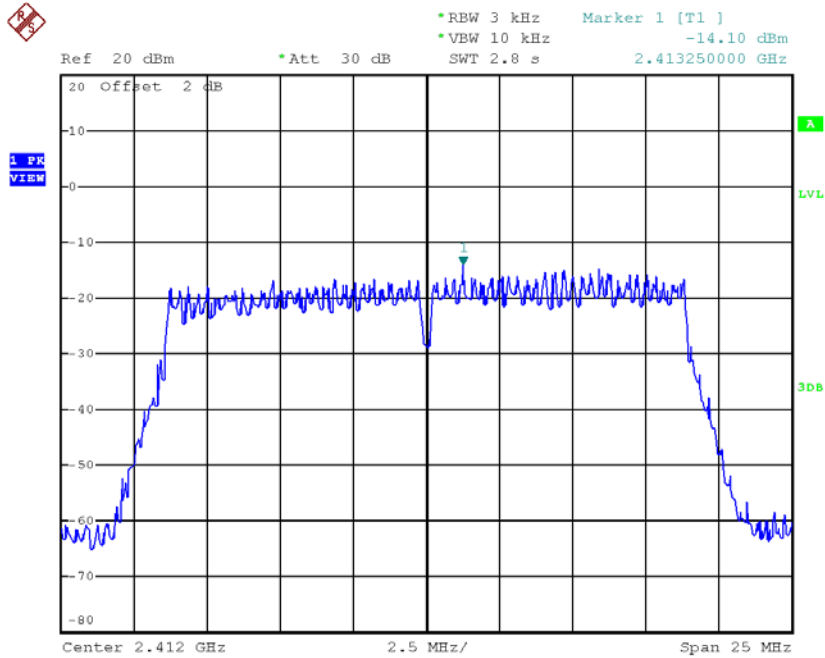
TX CH11



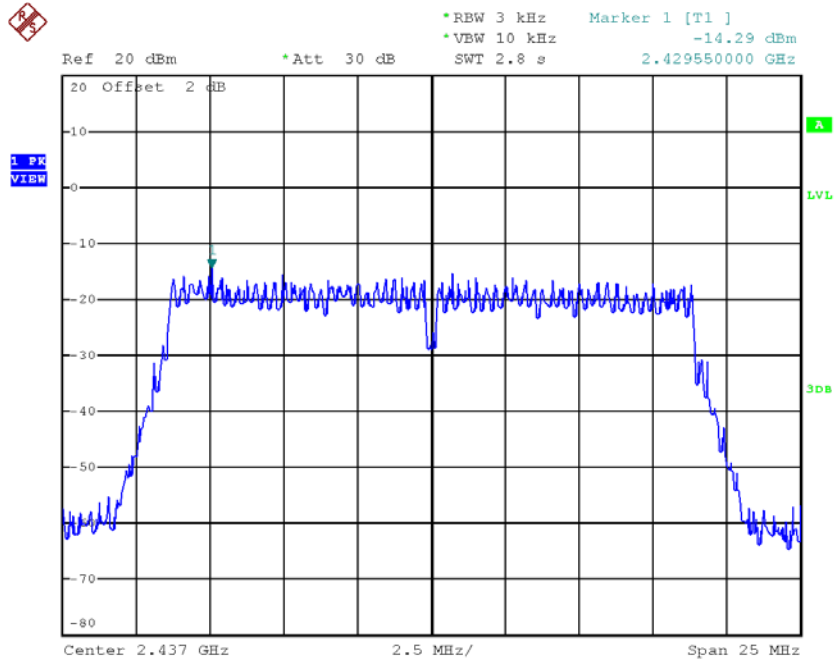
Test Mode : TX N-20M Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.10	0.0389	8.00	Complies
2437	-14.29	0.0372	8.00	Complies
2462	-12.17	0.0607	8.00	Complies

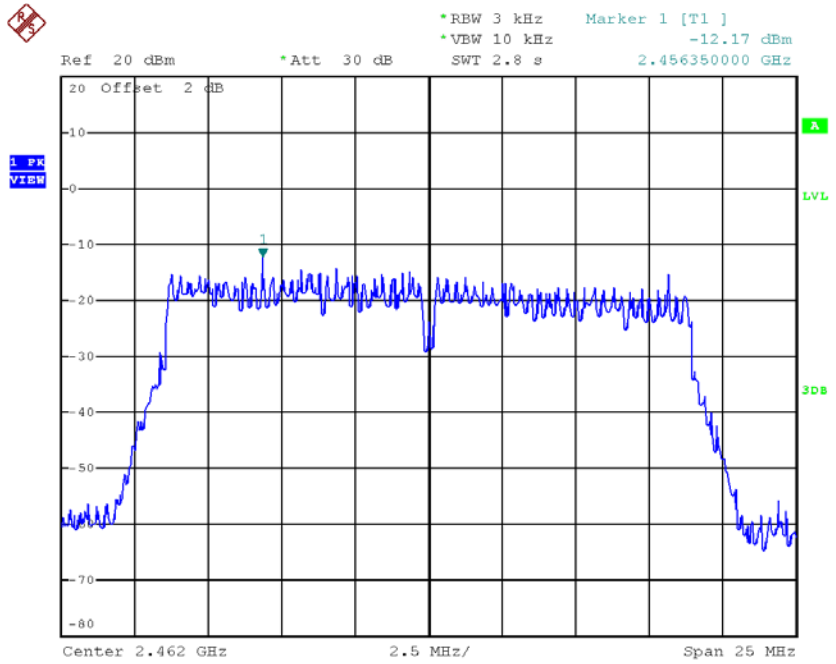
TX CH01



TX CH06



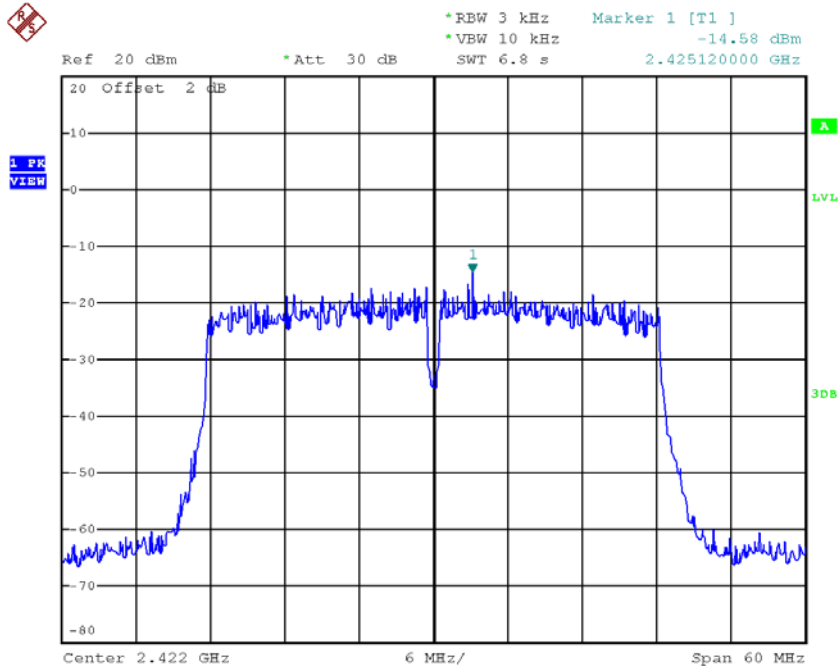
TX CH11



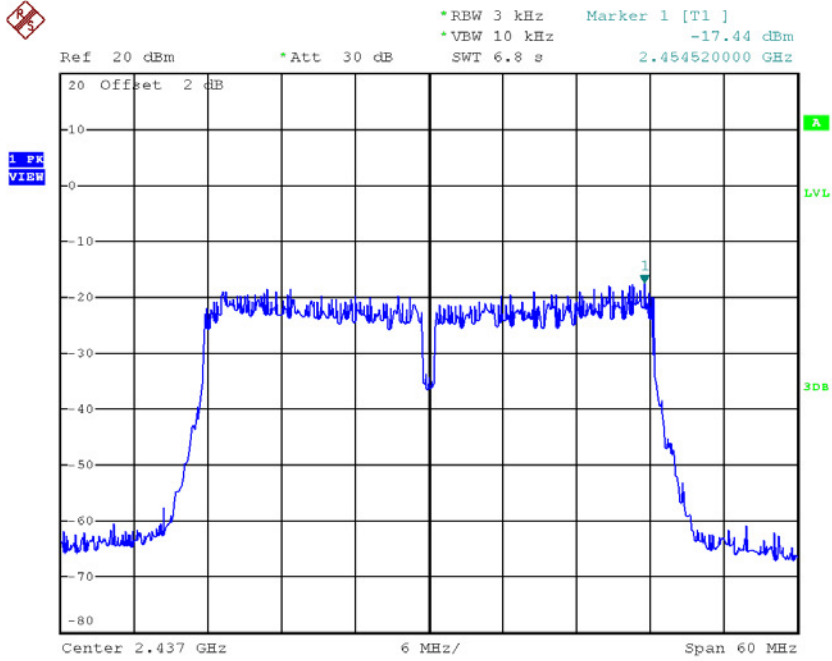
Test Mode : TX N-40M Mode_CH03/06/09

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-14.58	0.0348	8.00	Complies
2437	-17.44	0.0180	8.00	Complies
2452	-15.96	0.0254	8.00	Complies

TX CH03



TX CH06



TX CH09

