

FCC Radio Test Report

FCC ID: QISCMR-AL09

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

Project No. : 1712C036A
Equipment : Tablet
Model Name : CMR-AL09
Applicant : Huawei Technologies Co., Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China

Date of Receipt : Dec, 02, 2017
Date of Test : Dec, 02, 2017 ~ Jan, 17, 2018
Issued Date : Jan, 23, 2018
Tested by : BTL Inc.

Testing Engineer : Shawn Xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

Authorized Signatory : Steven Lu
(Steven Lu)

B T L I N C .

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

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



Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

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

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

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

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

Limitation

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

Table of Contents	Page
1 . CERTIFICATION	6
2 . SUMMARY OF TEST RESULTS	7
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
3 . GENERAL INFORMATION	9
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	11
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	13
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	14
3.5 DESCRIPTION OF SUPPORT UNITS	14
4 . EMC EMISSION TEST	15
4.1 CONDUCTED EMISSION MEASUREMENT	15
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	15
4.1.2 TEST PROCEDURE	15
4.1.3 DEVIATION FROM TEST STANDARD	15
4.1.4 TEST SETUP	16
4.1.5 EUT OPERATING CONDITIONS	16
4.1.6 EUT TEST CONDITIONS	16
4.1.7 TEST RESULTS	16
4.2 RADIATED EMISSION MEASUREMENT	17
4.2.1 RADIATED EMISSION LIMITS	17
4.2.2 TEST PROCEDURE	18
4.2.3 DEVIATION FROM TEST STANDARD	18
4.2.4 TEST SETUP	19
4.2.5 EUT OPERATING CONDITIONS	21
4.2.6 EUT TEST CONDITIONS	21
4.2.7 TEST RESULTS (9KHZ TO 30MHZ)	21
4.2.8 TEST RESULTS (30MHZ TO 1000MHZ)	21
4.2.9 TEST RESULTS (ABOVE 1000MHZ)	21
5 . BANDWIDTH TEST	22
5.1 APPLIED PROCEDURES	22
5.1.1 TEST PROCEDURE	22
5.1.2 DEVIATION FROM STANDARD	22
5.1.3 TEST SETUP	22
5.1.4 EUT OPERATION CONDITIONS	22
5.1.5 EUT TEST CONDITIONS	22
5.1.6 TEST RESULTS	22
6 . MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST	23

Table of Contents	Page
6.1 APPLIED PROCEDURES / LIMIT	23
6.1.1 TEST PROCEDURE	23
6.1.2 DEVIATION FROM STANDARD	23
6.1.3 TEST SETUP	23
6.1.4 EUT OPERATION CONDITIONS	23
6.1.5 EUT TEST CONDITIONS	23
6.1.6 TEST RESULTS	23
7 . ANTENNA CONDUCTED SPURIOUS EMISSION	24
7.1 APPLIED PROCEDURES / LIMIT	24
7.1.1 TEST PROCEDURE	24
7.1.2 DEVIATION FROM STANDARD	24
7.1.3 TEST SETUP	24
7.1.4 EUT OPERATION CONDITIONS	24
7.1.5 EUT TEST CONDITIONS	24
7.1.6 TEST RESULTS	24
8 . POWER SPECTRAL DENSITY TEST	25
8.1 APPLIED PROCEDURES / LIMIT	25
8.1.1 TEST PROCEDURE	25
8.1.2 DEVIATION FROM STANDARD	25
8.1.3 TEST SETUP	25
8.1.4 EUT OPERATION CONDITIONS	25
8.1.5 EUT TEST CONDITIONS	25
8.1.6 TEST RESULTS	25
9 . MEASUREMENT INSTRUMENTS LIST	26
APPENDIX A - CONDUCTED EMISSION	28
APPENDIX B - RADIATED EMISSION (9KHZ TO 30MHZ)	33
APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)	51
APPENDIX E - BANDWIDTH	116
APPENDIX F - MAXIMUM PEAK CONDUCTED OUTPUT POWER	125
APPENDIX G - ANTENNA CONDUCTED SPURIOUS EMISSION	127
APPENDIX H - POWER SPECTRAL DENSITY	152

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-3-1712C036	Original Report	Jan, 18, 2018
BTL-FCCP-3-1712C036A	Compared with the previous report (BTL-FCCP-3-1712C036), The model name is changed which does not affected the test result the rest are kept the same.	Jan. 23, 2018

1. CERTIFICATION

Equipment : Tablet
Brand Name : HUAWEI
Model Name : CMR-AL09
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 : Dec. 07, 2017 ~ Jan. 17, 2018
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-3-1712C036A) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

Test result included in this report is only for the WLAN 2.4G part.

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: 854385

BTL's designation number for FCC: CN5020

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	Tablet	
Brand Name	HUAWEI	
Model Name	CMR-AL09	
Model Difference	N/A	
Product Description	Operation Frequency	2412~2462 MHz
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM
	Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 300 Mbps
	Output Power (Max.)	802.11b: 20.68dBm 802.11g: 22.21dBm 802.11n(20MHz): 21.79dBm 802.11n(40MHz): 20.46dBm
Power Source	#1 Supplied from AC/DC adapter. #2 Battery Supplied.	
Power Rating	#1 Input: 100V~240V AC and 50/60 Hz,0.5A Output: 5V --- 2A OR 9V --- 2A #2 --- 3.82V 7350mAh	
Hardware Version	SH1CMRONLM	
Software Version	CMR-AL09 8.0.1.3(SP1C331)	

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- Channel List:

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

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	N/A	Internal	N/A	-0.5

4.

Item	Mfr/Brand	Model.
Battery	SCUD (FUJIAN) Electronics Co., Ltd	HB2994I8ECW
	Sunwoda Electronic Co., LTD.	HB2994I8ECW
	Huizhou Desay Battery Co., Ltd	HB2994I8ECW
USB Cable	HONGLIN TECHNOLOGY CO.,LTD	130-26988
	Luxshare Precision Industry Co., Ltd	L99UC001-CS-H
	FOXCONN INTERCONNECT TECHNOLOGY LIMITED	CUDU01B-HC288-EH
	foxlink cheng uei precision industry Co., Ltd	6691-10YZ-0183
USB Type-C to 3.5 mm headset jack adapter cable	FOSTER ELECTRIC CO. (HONG KONG) LTD	620891
	Boluo County Quancheng Electronic Co.,Ltd.	6001-7001-TC-294
	Jiangxi Lianchuang Hongsheng Electronic Co.,LTD	HWTYPEC3R5009AW
	MERRY ELECTRONICS CO., LTD.	L99UD002-CS-H
Adapter	Salcomp (Shenzhen) Co., Ltd.	HW-059200UHQ
	HUIZHOU BYD ELECTRONIC CO.,LTD	

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	Normal Link

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Test	
Final Test Mode	Description
Mode 5	Normal Link

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

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

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:

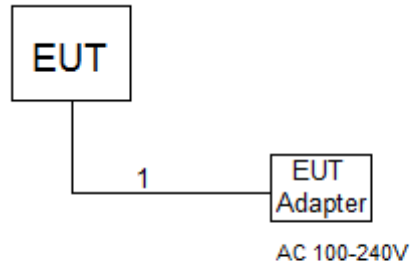
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : BPSK (6.5Mbps)
 802.11n HT40 mode : BPSK (13.5Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3) 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	WiFiRFAuth.apk		
Frequency (MHz)	2412	2437	2462
802.11b	16	16	16
802.11g	11	11	11
802.11n (20MHz)	10	10	10
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	8	8	8

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

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

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 -0.50	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

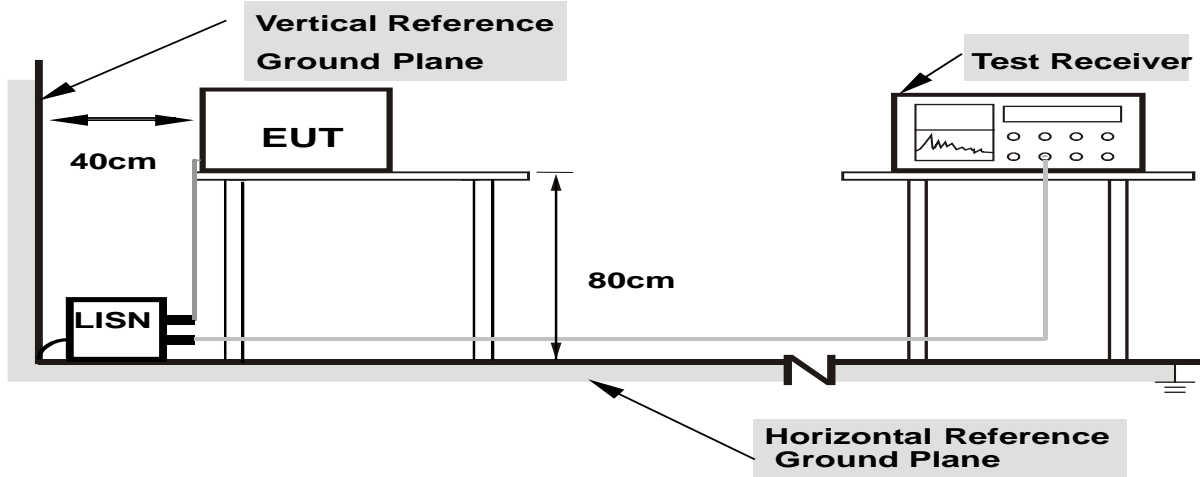
4.1.2 TEST PROCEDURE

- 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 equipment 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 Appendix 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 (dB μ V/m)		Harmonic at 1.5m (dB μ V/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)

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

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

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

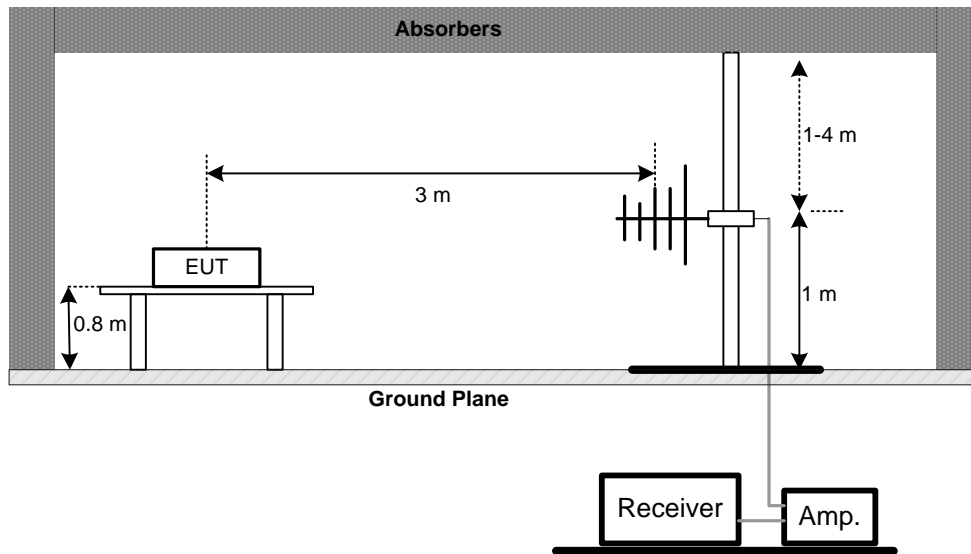
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

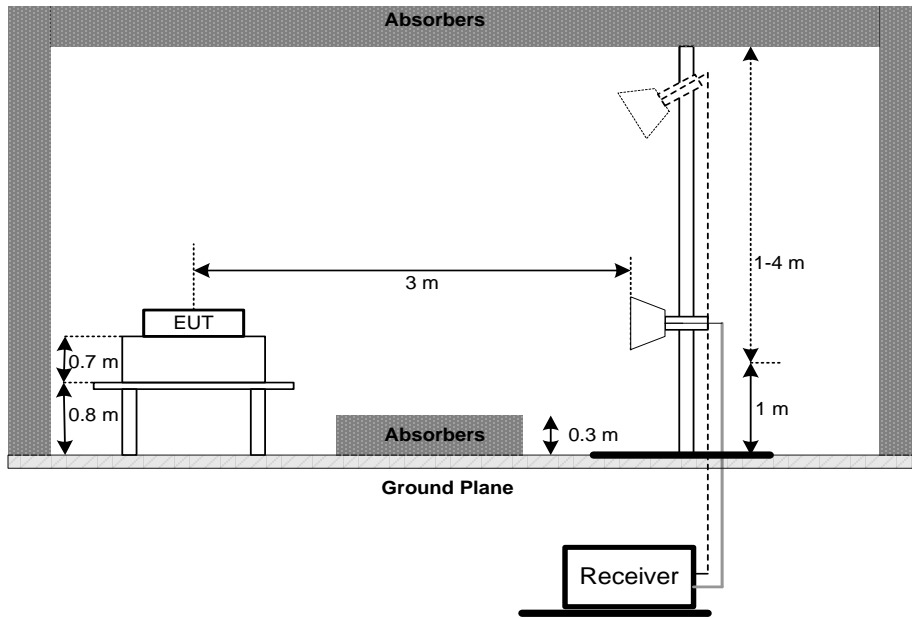
No deviation

4.2.4 TEST SETUP

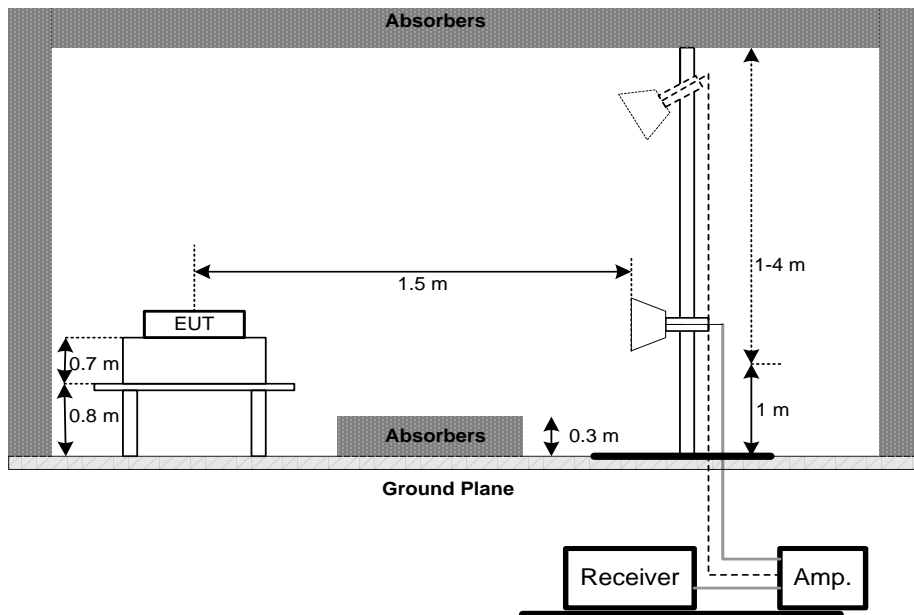
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



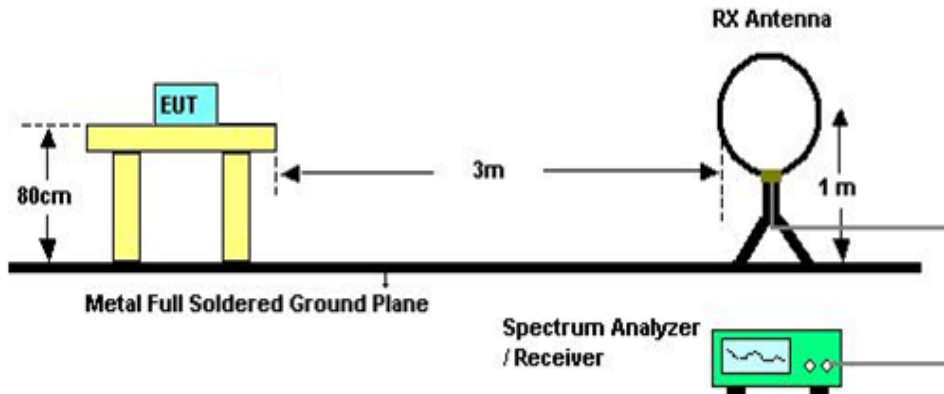
(B) Radiated Emission Test Set-Up Frequency Above 1 GHz
Band edge



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 Appendix 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 1000MHZ)

Please refer to the Appendix C.

4.2.9 TEST RESULTS (ABOVE 1000MHZ)

Please refer to the Appendix 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 Appendix 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 Appendix 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.

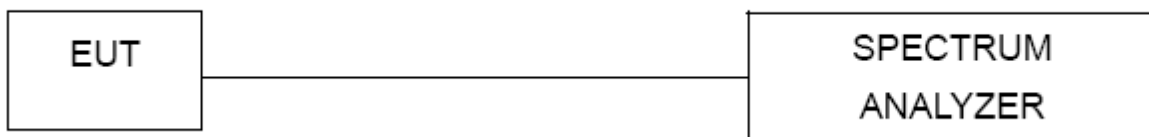
7.1.1 TEST PROCEDURE

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

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 26, 2018
2	LISN	EMCO	3816/2	52765	Mar. 26, 2018
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 26, 2018
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 26, 2018
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Oct. 19, 2018

Radiated Emission Below 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 19, 2018
3	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	Jun. 26, 2018
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	Antenna	EM	EM-6876-1	230	Mar. 06, 2018

Radiated Emission Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 26, 2018
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 08, 2018
3	Amplifier	Agilent	8449B	3008A02274	May. 16, 2018
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
5	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
6	Antenna	EM	EM-6876-1	230	Mar. 06, 2018
7	Controller	CT	SC100	N/A	N/A
8	Controller	MF	MF-7802	MF780208416	N/A
9	Cable	emci	EMC104-SM-SM-1 2000(12m)	N/A	Jun. 26, 2018
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 2018

Peak Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Mar. 26, 2018
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 26, 2018

Antenna Conducted Spurious Emission					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 2018

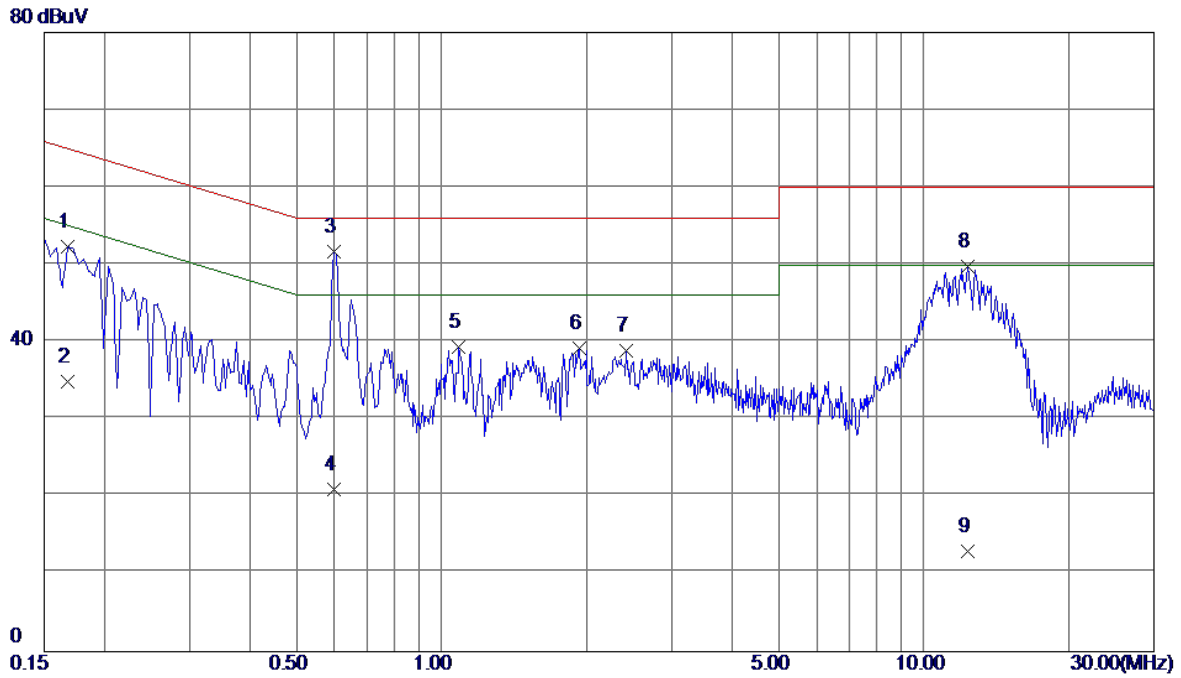
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 2018

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

APPENDIX A - CONDUCTED EMISSION

Test Mode: TX Mode_Adapter: BYD

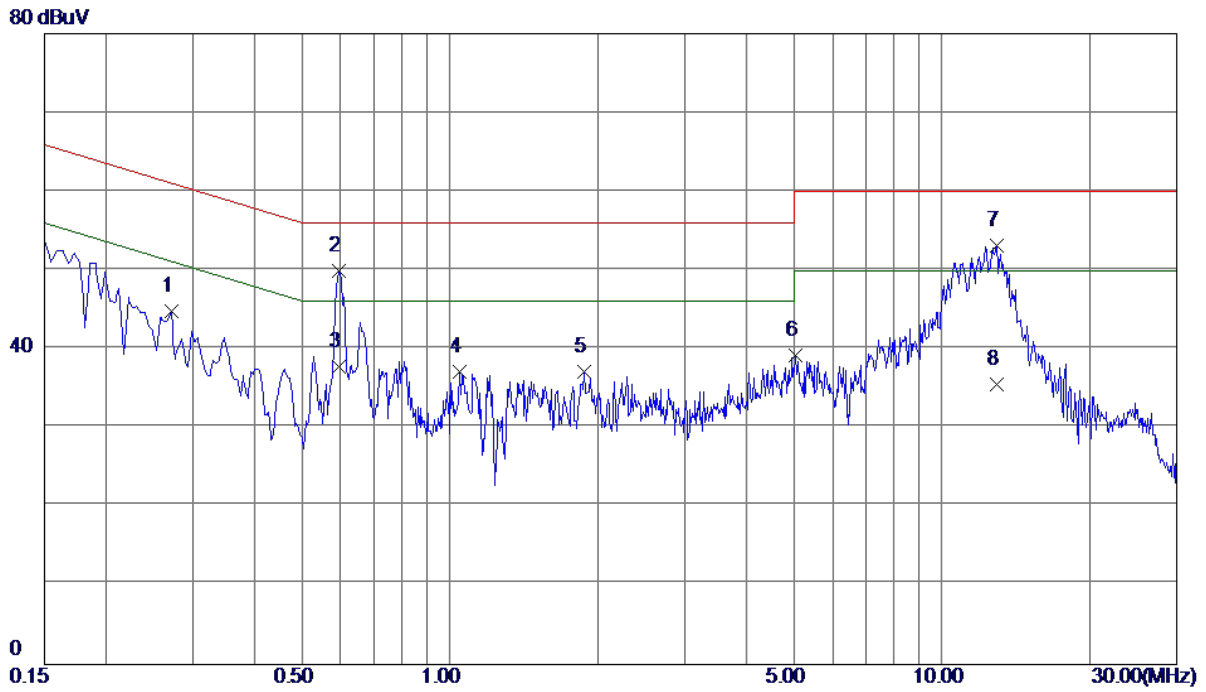
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1680	42.55	9.78	52.33	65.06	-12.73	Peak	
2	0.1680	25.10	9.78	34.88	55.06	-20.18	AVG	
3 *	0.6000	41.82	9.81	51.63	56.00	-4.37	Peak	
4	0.6000	11.20	9.81	21.01	46.00	-24.99	AVG	
5	1.0859	29.51	9.85	39.36	56.00	-16.64	Peak	
6	1.9320	29.29	9.92	39.21	56.00	-16.79	Peak	
7	2.4180	28.96	9.96	38.92	56.00	-17.08	Peak	
8	12.3315	39.33	10.45	49.78	60.00	-10.22	Peak	
9	12.3315	2.50	10.45	12.95	50.00	-37.05	AVG	

Test Mode: TX Mode_Adapter: BYD

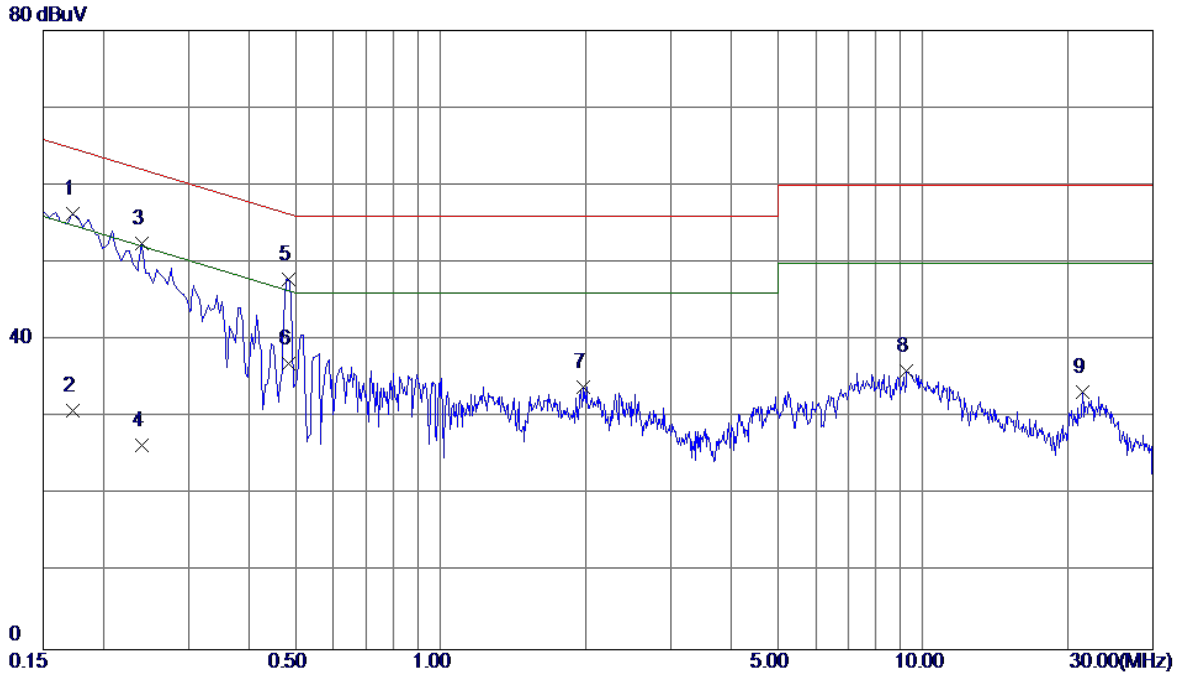
Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.2714	35.16	9.67	44.83	61.07	-16.24	Peak	
2 *	0.5955	40.18	9.71	49.89	56.00	-6.11	Peak	
3	0.5955	28.00	9.71	37.71	46.00	-8.29	AVG	
4	1.0455	27.39	9.75	37.14	56.00	-18.86	Peak	
5	1.8780	27.27	9.83	37.10	56.00	-18.90	Peak	
6	5.0324	29.18	10.01	39.19	60.00	-20.81	Peak	
7	12.8940	42.67	10.48	53.15	60.00	-6.85	Peak	
8	12.8940	25.09	10.48	35.57	50.00	-14.43	AVG	

Test Mode: TX Mode_Adapter: Salcomp

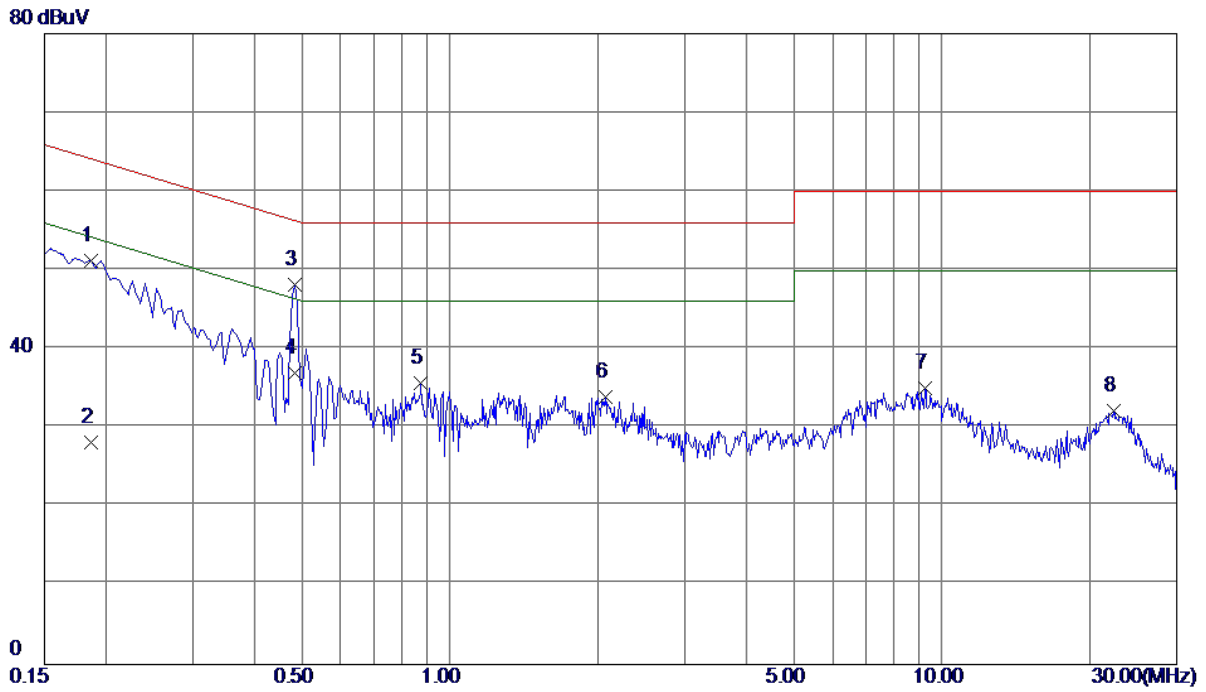
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1725	46.49	9.78	56.27	64.84	-8.57	Peak	
2	0.1725	21.10	9.78	30.88	54.84	-23.96	AVG	
3	0.2400	42.74	9.76	52.50	62.10	-9.60	Peak	
4	0.2400	16.60	9.76	26.36	52.10	-25.74	AVG	
5 *	0.4830	38.06	9.80	47.86	56.29	-8.43	Peak	
6	0.4830	27.20	9.80	37.00	46.29	-9.29	AVG	
7	1.9815	24.07	9.92	33.99	56.00	-22.01	Peak	
8	9.2670	25.76	10.29	36.05	60.00	-23.95	Peak	
9	21.4845	22.54	10.69	33.23	60.00	-26.77	Peak	

Test Mode: TX Mode_Adapter: Salcomp

Neutral

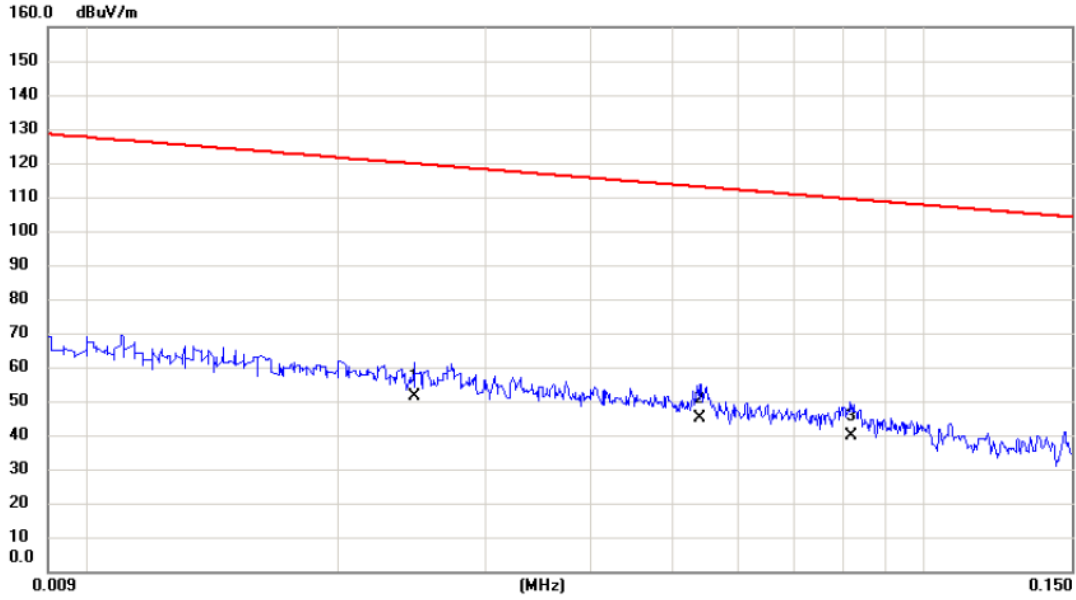


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1860	41.58	9.69	51.27	64.21	-12.94	Peak	
2	0.1860	18.50	9.69	28.19	54.21	-26.02	AVG	
3 *	0.4830	38.48	9.70	48.18	56.29	-8.11	Peak	
4	0.4830	27.20	9.70	36.90	46.29	-9.39	AVG	
5	0.8745	25.96	9.73	35.69	56.00	-20.31	Peak	
6	2.0670	24.02	9.85	33.87	56.00	-22.13	Peak	
7	9.2265	24.85	10.23	35.08	60.00	-24.92	Peak	
8	22.3395	21.37	10.84	32.21	60.00	-27.79	Peak	

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

Test Mode: TX Mode _Adapter: BYD

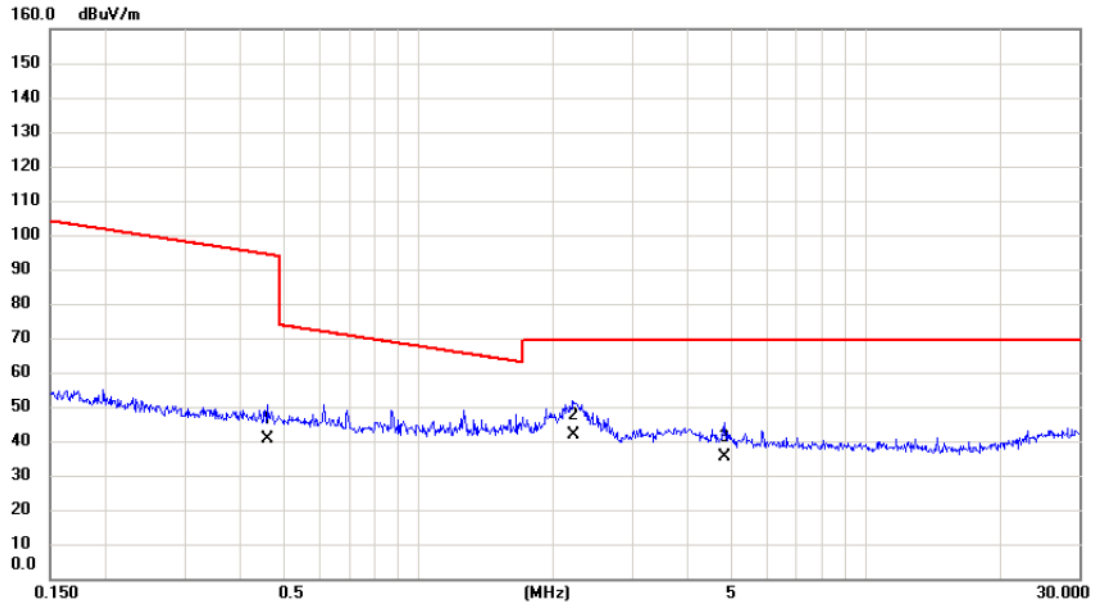
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0246	31.82	19.48	51.30	119.79	-68.49	AVG	
2	*	0.0540	26.18	18.64	44.82	112.96	-68.14	AVG	
3		0.0817	21.62	18.07	39.69	109.36	-69.67	AVG	

Test Mode: TX Mode_ Adapter: BYD

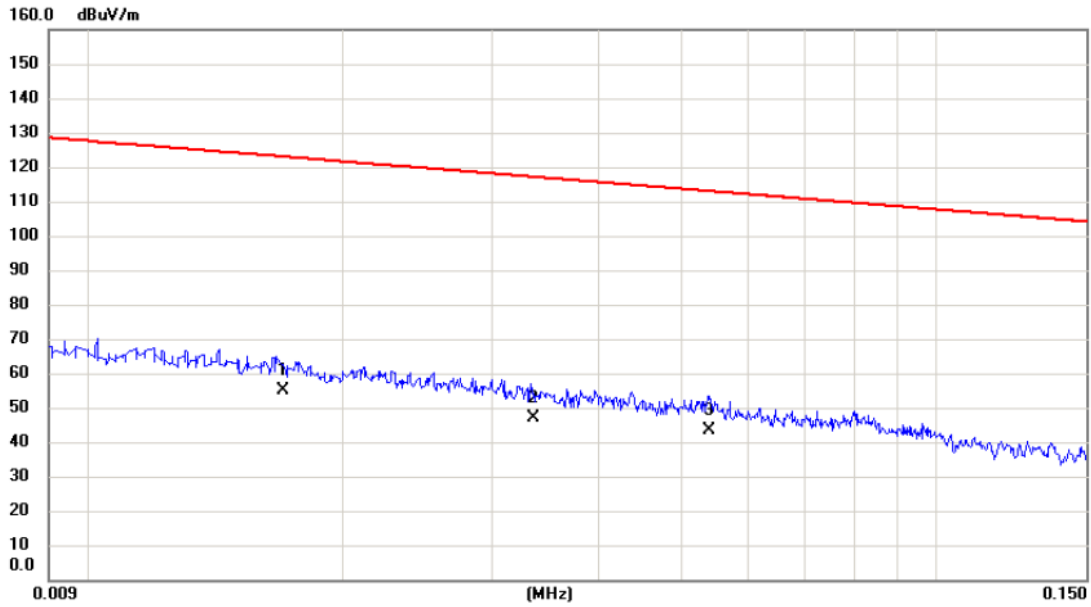
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.4588	24.03	16.50	40.53	94.37	-53.84	AVG	
2	*	2.2132	26.19	15.45	41.64	69.54	-27.90	QP	
3		4.8224	20.85	14.48	35.33	69.54	-34.21	QP	

Test Mode: TX Mode _ Adapter: BYD

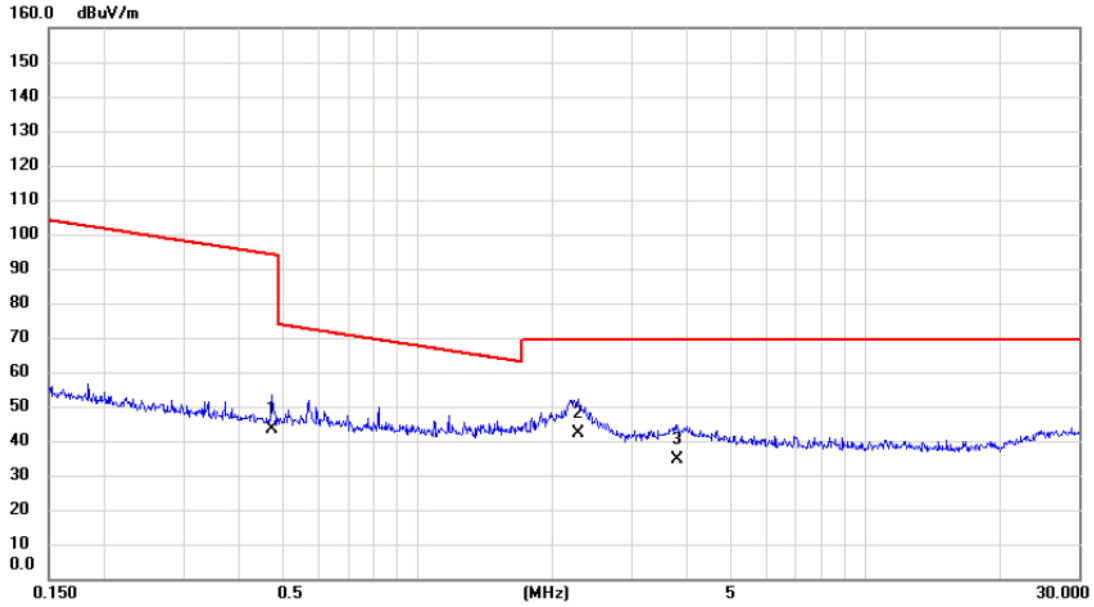
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.0170	35.08	20.01	55.09	123.00	-67.91	AVG	
2		0.0335	27.94	19.22	47.16	117.10	-69.94	AVG	
3		0.0540	24.70	18.64	43.34	112.96	-69.62	AVG	

Test Mode: TX Mode_ Adapter: BYD

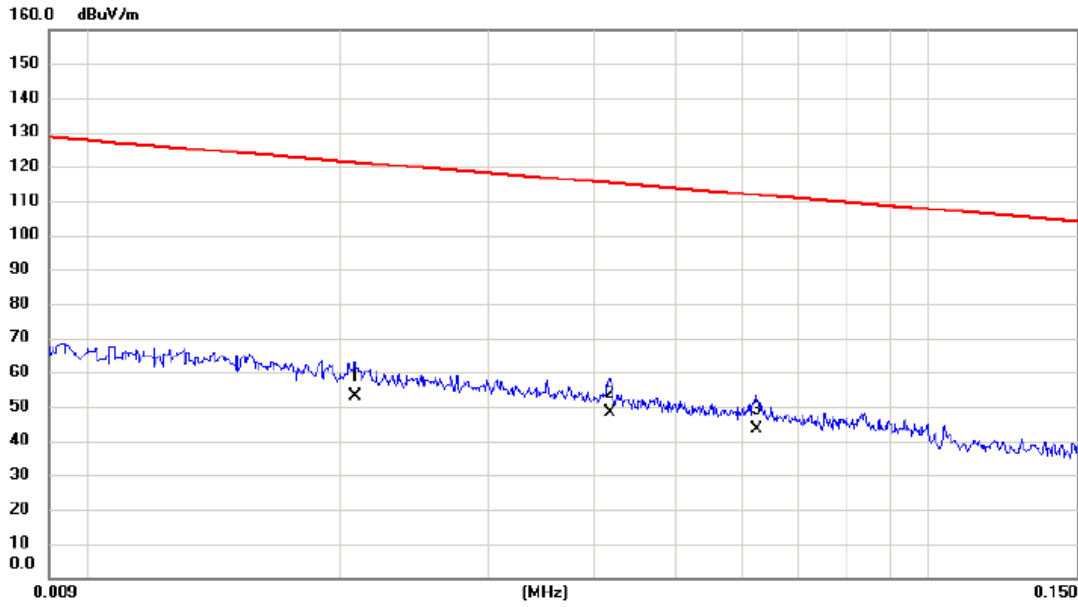
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.4736	26.77	16.49	43.26	94.10	-50.84	AVG	
2	*	2.2847	26.60	15.43	42.03	69.54	-27.51	QP	
3		3.7994	19.57	15.01	34.58	69.54	-34.96	QP	

Test Mode: TX Mode _ Adapter: Salcomp

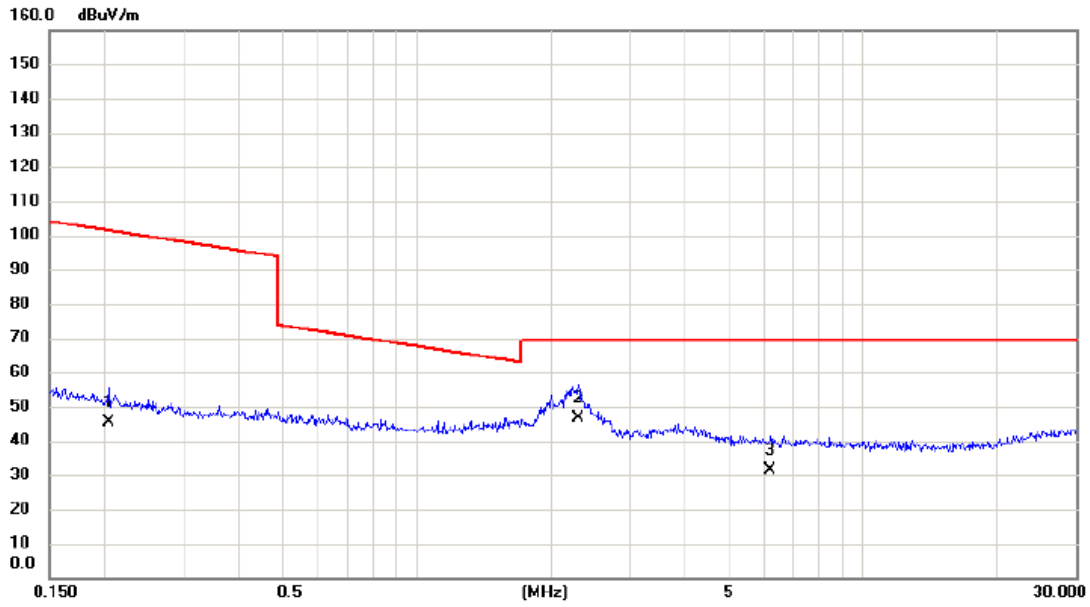
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0208	33.46	19.60	53.06	121.24	-68.18	AVG	
2	*	0.0418	29.27	18.97	48.24	115.18	-66.94	AVG	
3		0.0624	24.90	18.48	43.38	111.70	-68.32	AVG	

Test Mode: TX Mode _ Adapter: Salcomp

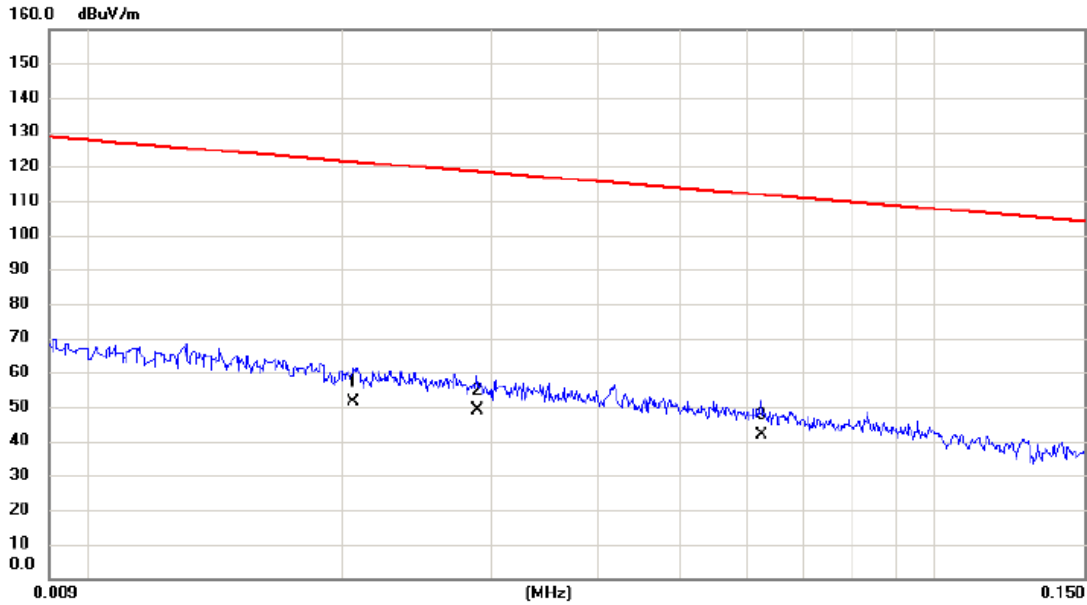
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2040	28.66	16.79	45.45	101.41	-55.96	AVG	
2	*	2.2968	30.99	15.43	46.42	69.54	-23.12	QP	
3		6.1860	17.36	14.22	31.58	69.54	-37.96	QP	

Test Mode: TX Mode _ Adapter: Salcomp

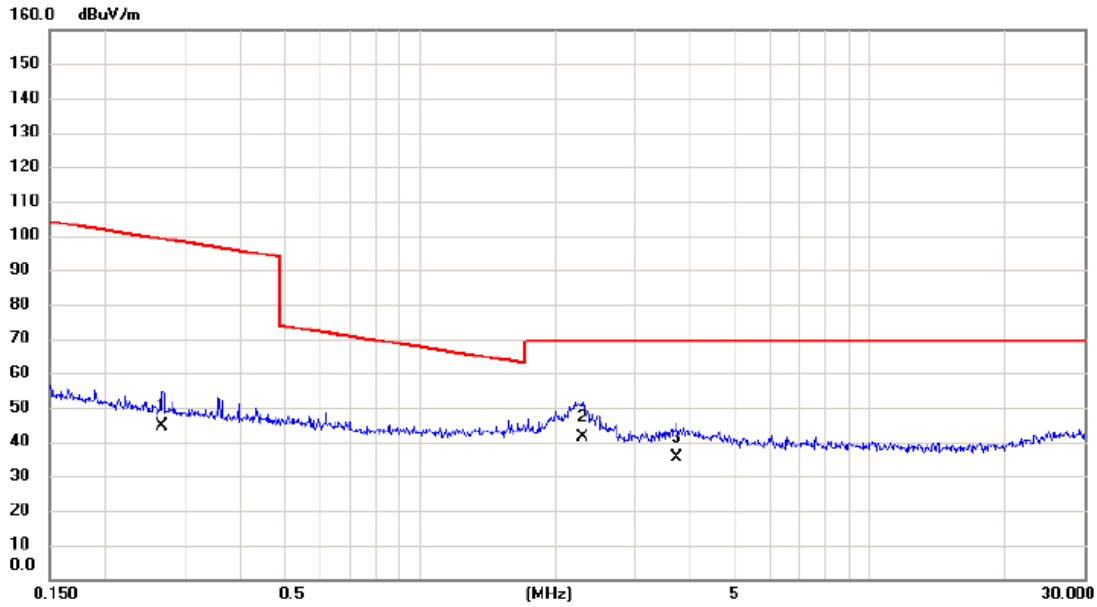
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0206	31.94	19.60	51.54	121.33	-69.79	AVG	
2	*	0.0288	29.49	19.36	48.85	118.42	-69.57	AVG	
3		0.0624	23.34	18.48	41.82	111.70	-69.88	AVG	

Test Mode: TX Mode _ Adapter: Salcomp

Ant 90°



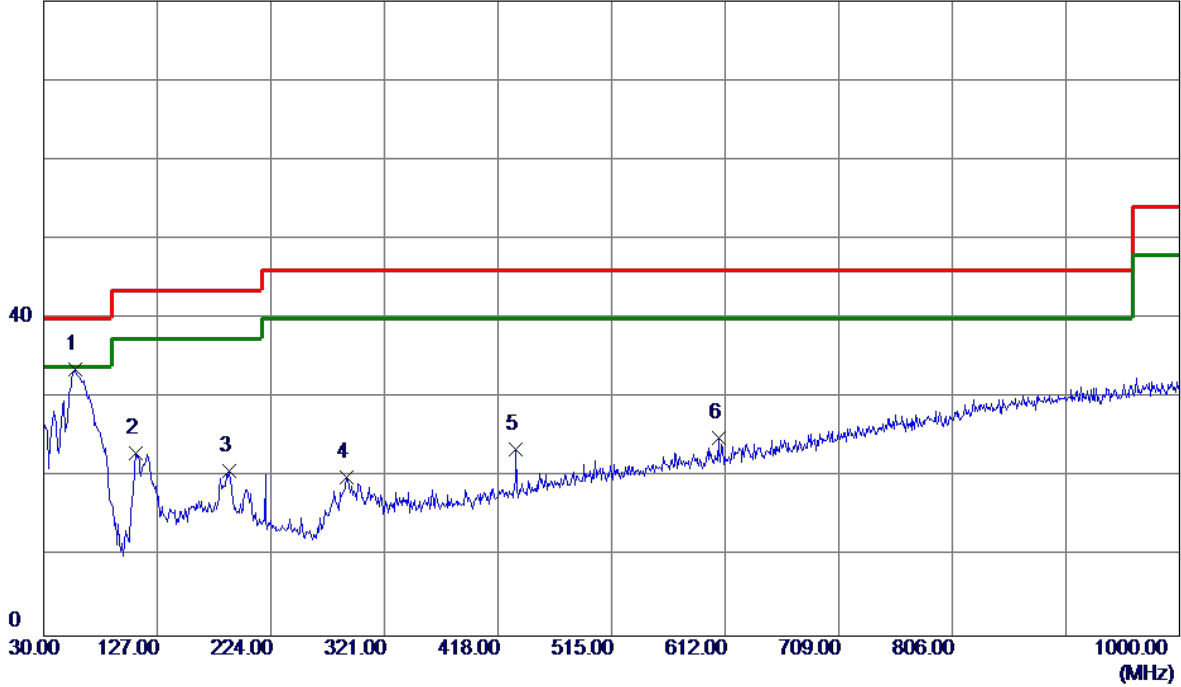
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2672	28.05	16.65	44.70	99.07	-54.37	AVG	
2	*	2.2968	25.92	15.43	41.35	69.54	-28.19	QP	
3		3.7198	20.20	15.02	35.22	69.54	-34.32	QP	

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

Test Mode: TX B MODE CHANNEL 01 _ Adapter: BYD

Vertical

80 dBuV/m

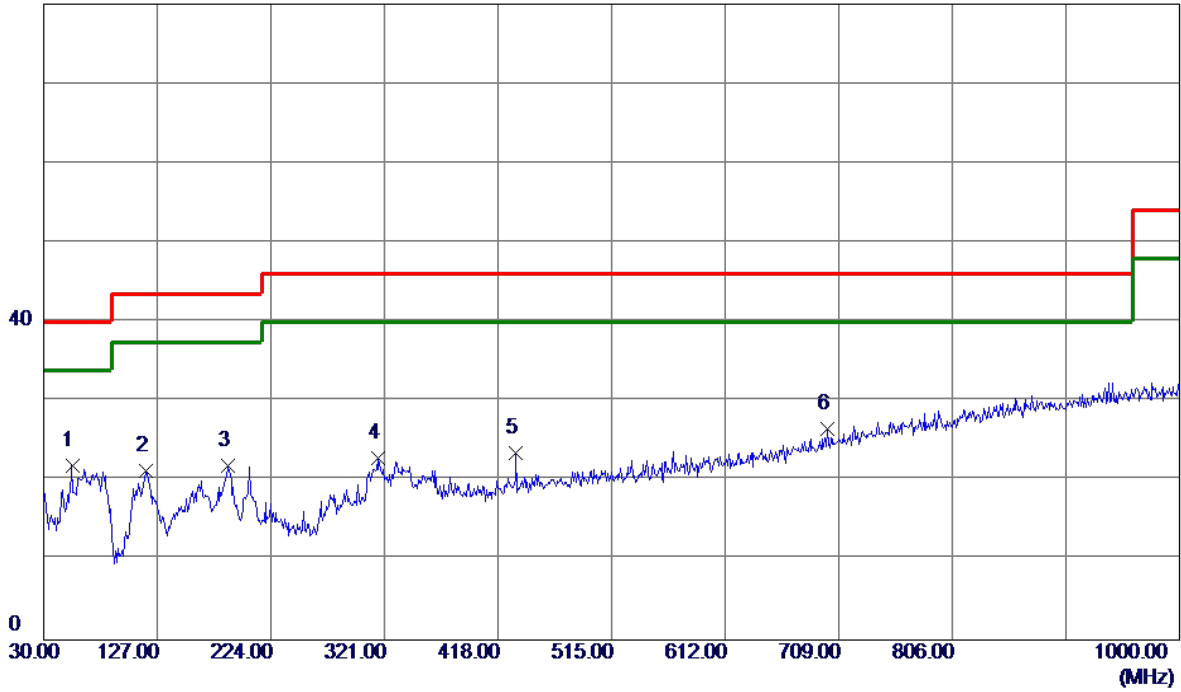


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	57.1600	47.62	-14.04	33.58	40.00	-6.42	Peak	
2	108.5700	39.39	-16.37	23.02	43.50	-20.48	Peak	
3	188.1100	33.49	-12.69	20.80	43.50	-22.70	Peak	
4	288.9900	34.20	-14.26	19.94	46.00	-26.06	Peak	
5	433.5200	33.90	-10.41	23.49	46.00	-22.51	Peak	
6	606.1800	31.26	-6.30	24.96	46.00	-21.04	Peak	

Test Mode: TX B MODE CHANNEL 01_ Adapter: BYD

Horizontal

80 dBuV/m

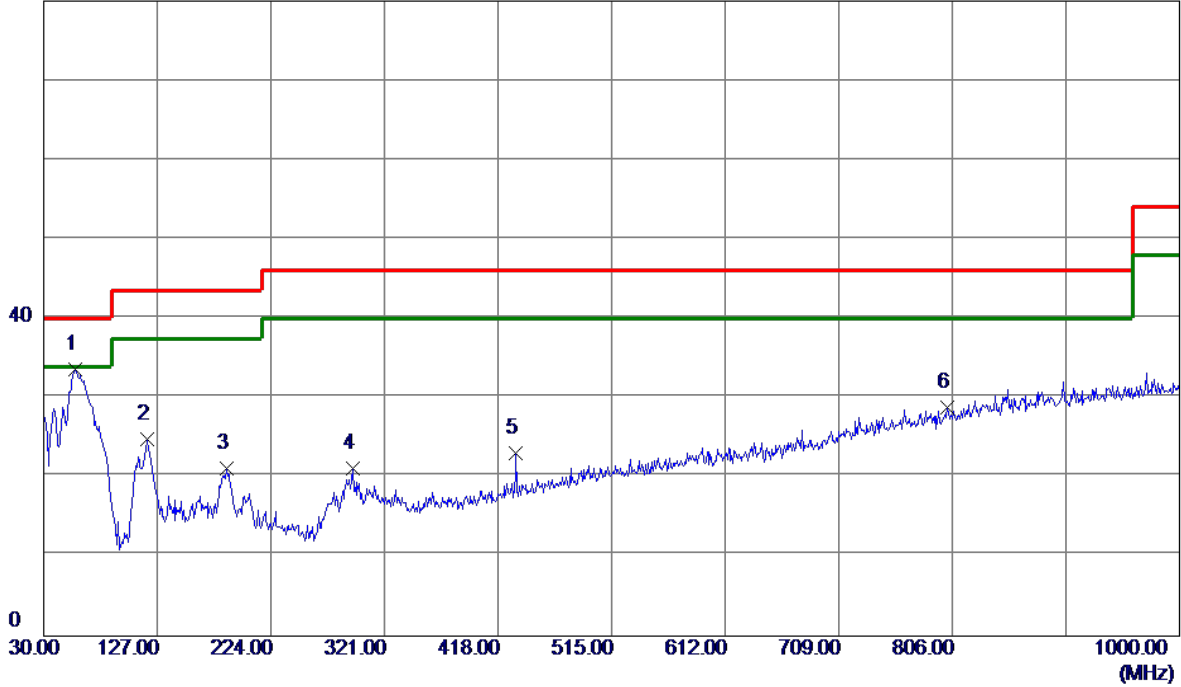


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	54.2500	35.84	-13.95	21.89	40.00	-18.11	Peak	
2	117.3000	36.91	-15.61	21.30	43.50	-22.20	Peak	
3	187.1400	34.52	-12.61	21.91	43.50	-21.59	Peak	
4	315.1800	35.51	-12.56	22.95	46.00	-23.05	Peak	
5	433.5200	33.95	-10.41	23.54	46.00	-22.46	Peak	
6	699.3000	30.46	-3.96	26.50	46.00	-19.50	Peak	

Test Mode: TX B MODE CHANNEL 11 _ Adapter: BYD

Vertical

80 dBuV/m

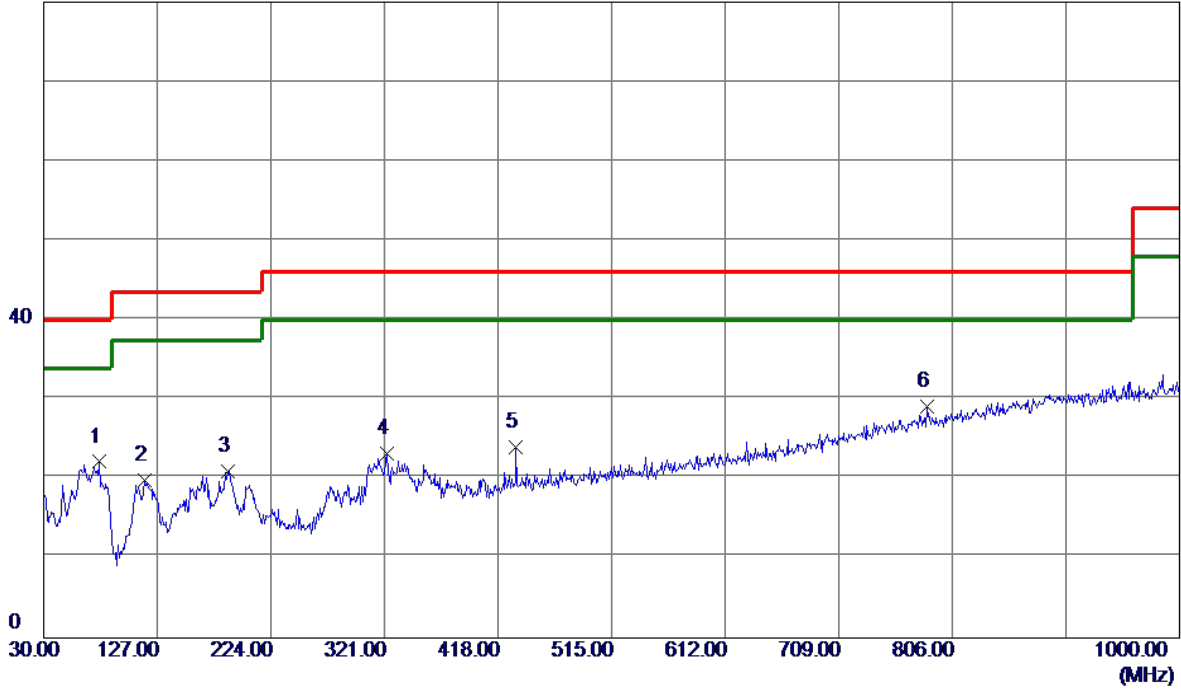


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	57.1600	47.70	-14.04	33.66	40.00	-6.34	Peak	
2	118.2700	40.33	-15.53	24.80	43.50	-18.70	Peak	
3	186.1700	33.66	-12.54	21.12	43.50	-22.38	Peak	
4	293.8400	34.85	-13.67	21.18	46.00	-24.82	Peak	
5	433.5200	33.52	-10.41	23.11	46.00	-22.89	Peak	
6	802.1200	30.09	-1.30	28.79	46.00	-17.21	Peak	

Test Mode: TX B MODE CHANNEL 11_ Adapter: BYD

Horizontal

80 dBuV/m

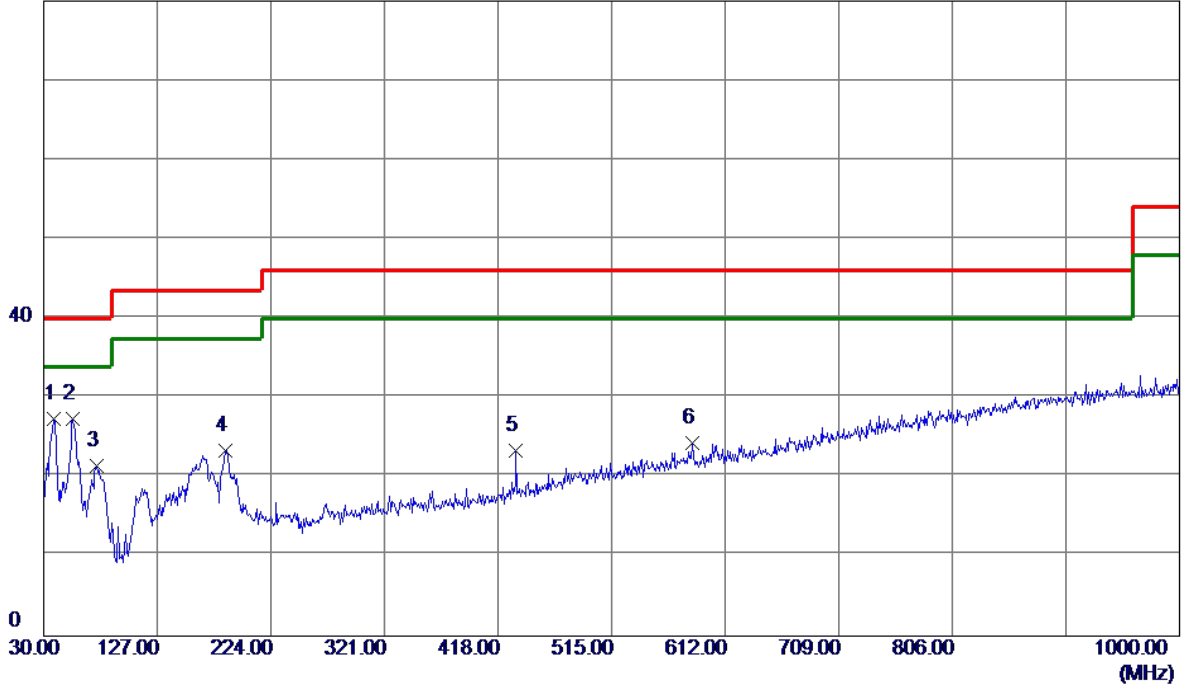


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	77.5300	39.83	-17.67	22.16	40.00	-17.84	Peak	
2	116.3300	35.50	-15.69	19.81	43.50	-23.69	Peak	
3	187.1400	33.61	-12.61	21.00	43.50	-22.50	Peak	
4	322.9400	35.67	-12.43	23.24	46.00	-22.76	Peak	
5	433.5200	34.42	-10.41	24.01	46.00	-21.99	Peak	
6 *	784.6599	30.78	-1.69	29.09	46.00	-16.91	Peak	

Test Mode: TX B MODE CHANNEL 01 _ Adapter: Salcomp

Vertical

80 dBuV/m

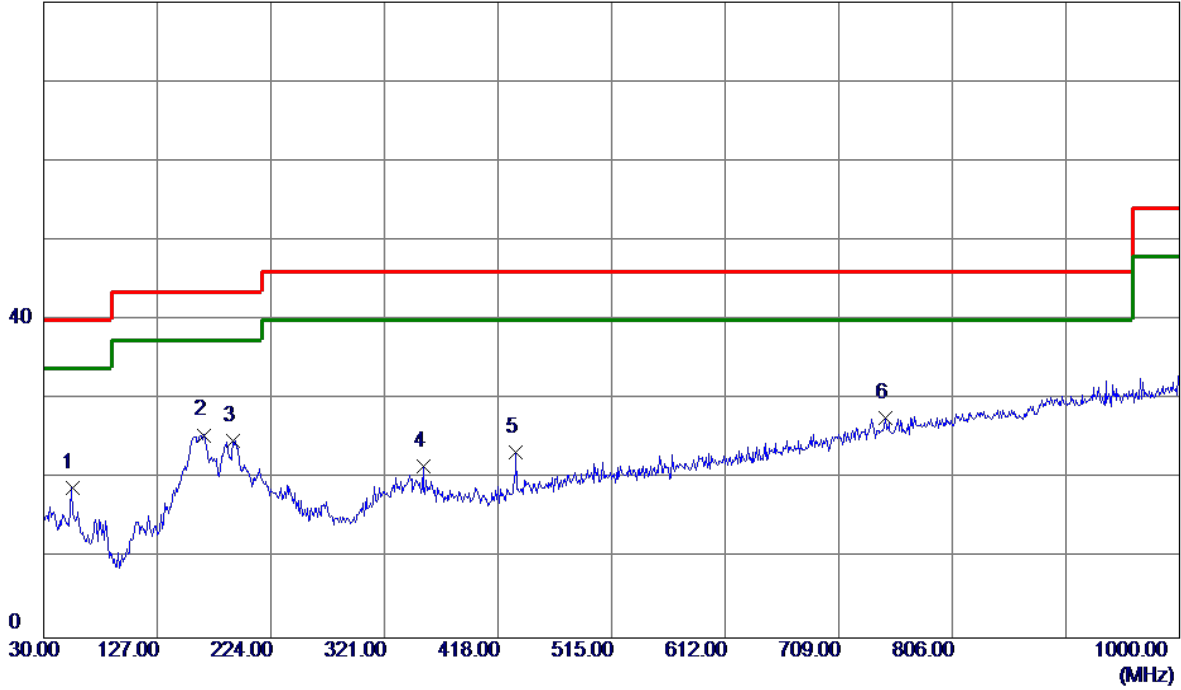


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	41.49	-14.16	27.33	40.00	-12.67	Peak	
2 *	55.2200	41.31	-13.94	27.37	40.00	-12.63	Peak	
3	75.5899	38.65	-17.22	21.43	40.00	-18.57	Peak	
4	185.2000	35.78	-12.46	23.32	43.50	-20.18	Peak	
5	433.5200	33.75	-10.41	23.34	46.00	-22.66	Peak	
6	583.8700	31.16	-6.84	24.32	46.00	-21.68	Peak	

Test Mode: TX B MODE CHANNEL 01 _ Adapter: Salcomp

Horizontal

80 dBuV/m

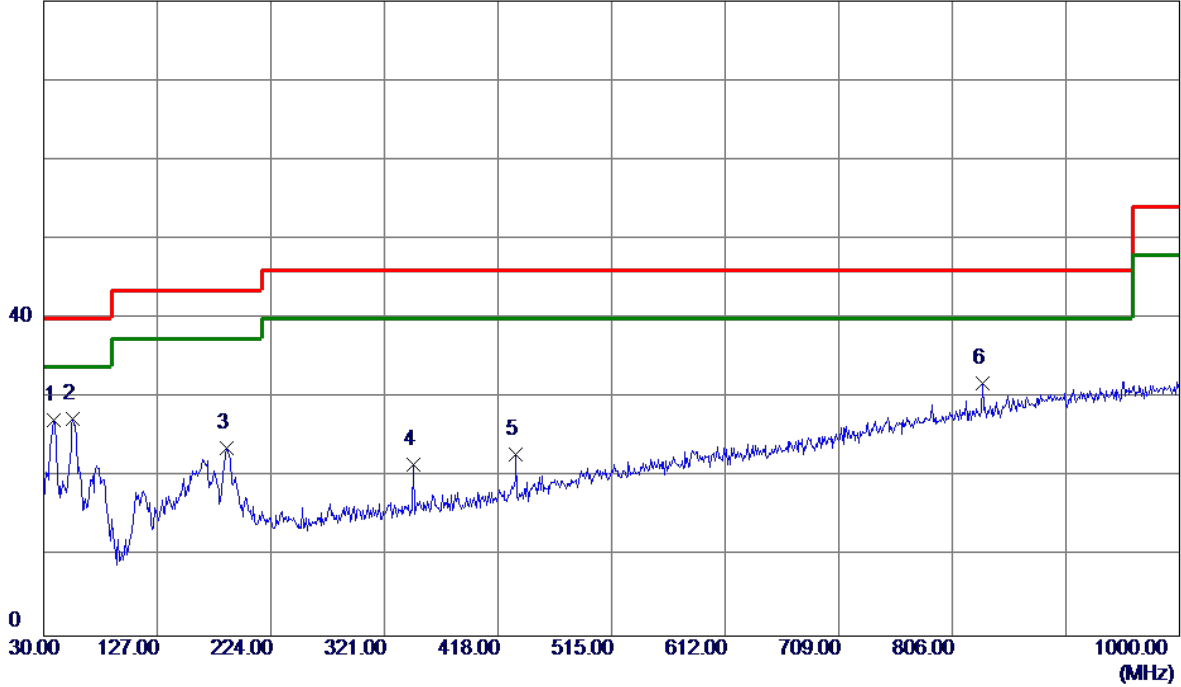


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	54.2500	32.81	-13.95	18.86	40.00	-21.14	Peak	
2 *	166.7700	38.05	-12.53	25.52	43.50	-17.98	Peak	
3	191.9900	37.90	-13.03	24.87	43.50	-18.63	Peak	
4	353.9800	33.55	-11.91	21.64	46.00	-24.36	Peak	
5	433.5200	33.75	-10.41	23.34	46.00	-22.66	Peak	
6	748.7700	30.14	-2.48	27.66	46.00	-18.34	Peak	

Test Mode: TX B MODE CHANNEL 11 _ Adapter: Salcomp

Vertical

80 dBuV/m

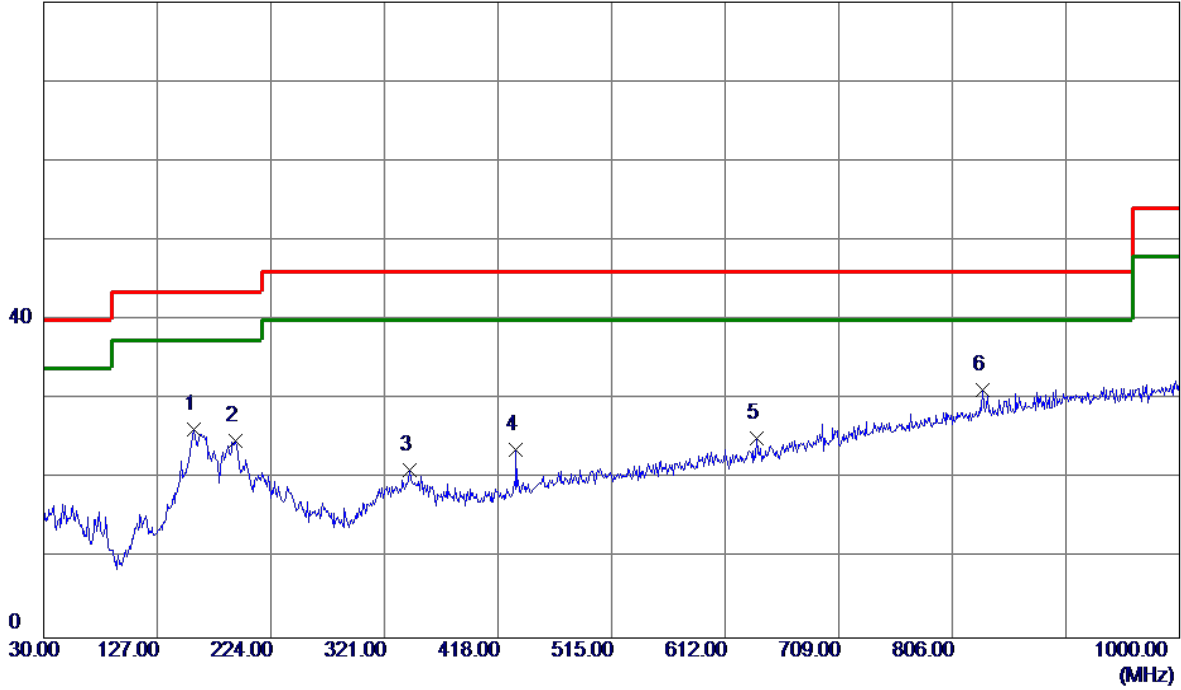


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	41.42	-14.16	27.26	40.00	-12.74	Peak	
2 *	55.2200	41.31	-13.94	27.37	40.00	-12.63	Peak	
3	186.1700	36.18	-12.54	23.64	43.50	-19.86	Peak	
4	346.2200	33.61	-12.02	21.59	46.00	-24.41	Peak	
5	433.5200	33.28	-10.41	22.87	46.00	-23.13	Peak	
6	832.1900	32.31	-0.48	31.83	46.00	-14.17	Peak	

Test Mode: TX B MODE CHANNEL 11 _ Adapter: Salcomp

Horizontal

80 dBuV/m



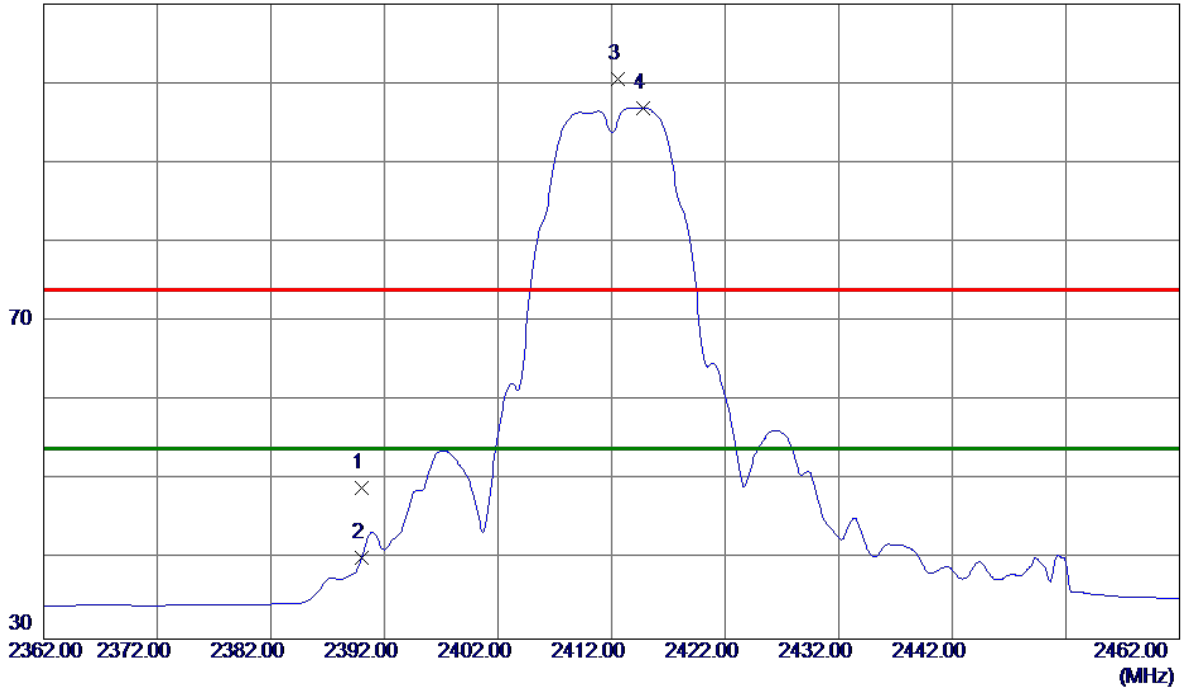
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	158.0399	39.27	-13.05	26.22	43.50	-17.28	Peak	
2	193.9299	37.95	-13.20	24.75	43.50	-18.75	Peak	
3	342.3400	33.15	-12.09	21.06	46.00	-24.94	Peak	
4	433.5200	34.12	-10.41	23.71	46.00	-22.29	Peak	
5	639.1599	30.75	-5.68	25.07	46.00	-20.93	Peak	
6 *	832.1900	31.66	-0.48	31.18	46.00	-14.82	Peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

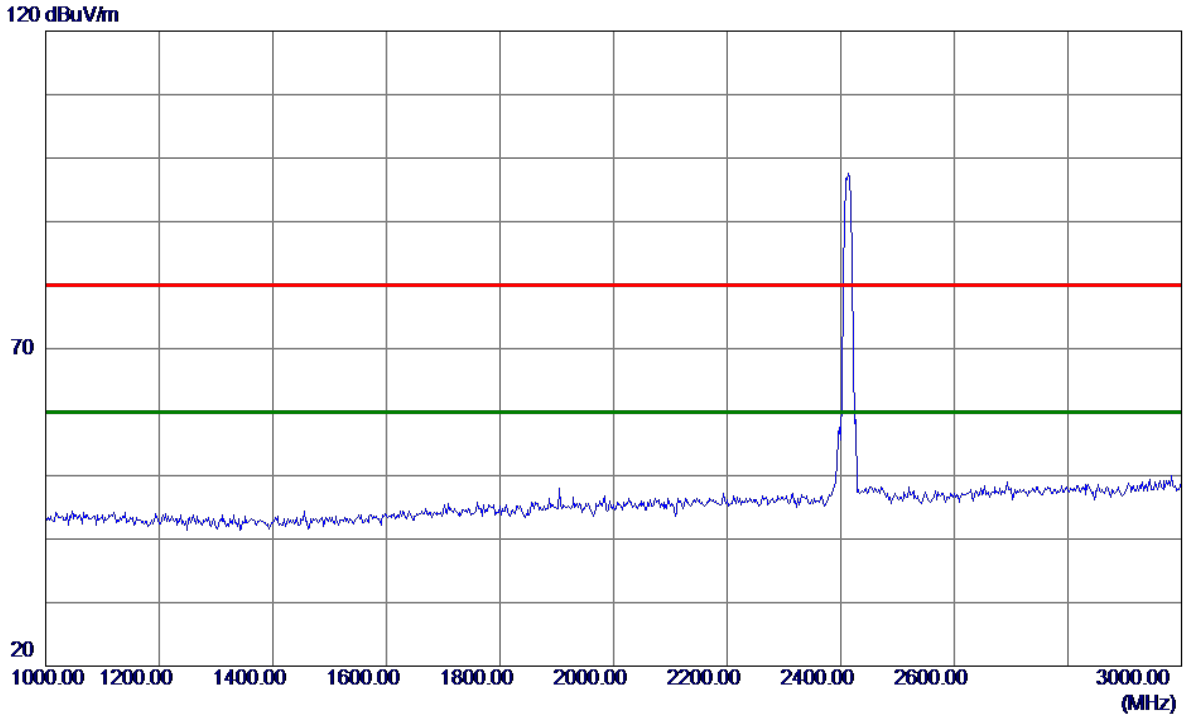
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	15.96	33.06	49.02	74.00	-24.98	Peak	
2	2390.0000	7.24	33.06	40.30	54.00	-13.70	AVG	
3	2412.6000	67.44	33.14	100.58	74.00	26.58	Peak	No Limit
4 *	2414.8000	63.77	33.15	96.92	54.00	42.92	AVG	No Limit

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

Vertical

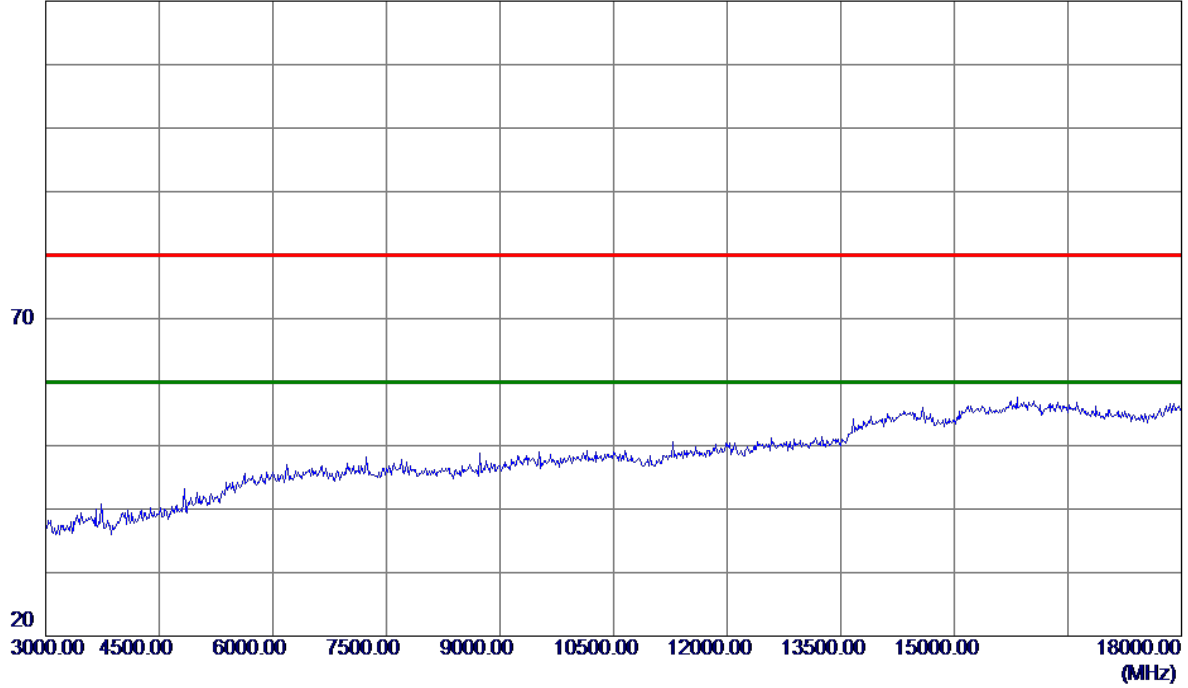


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

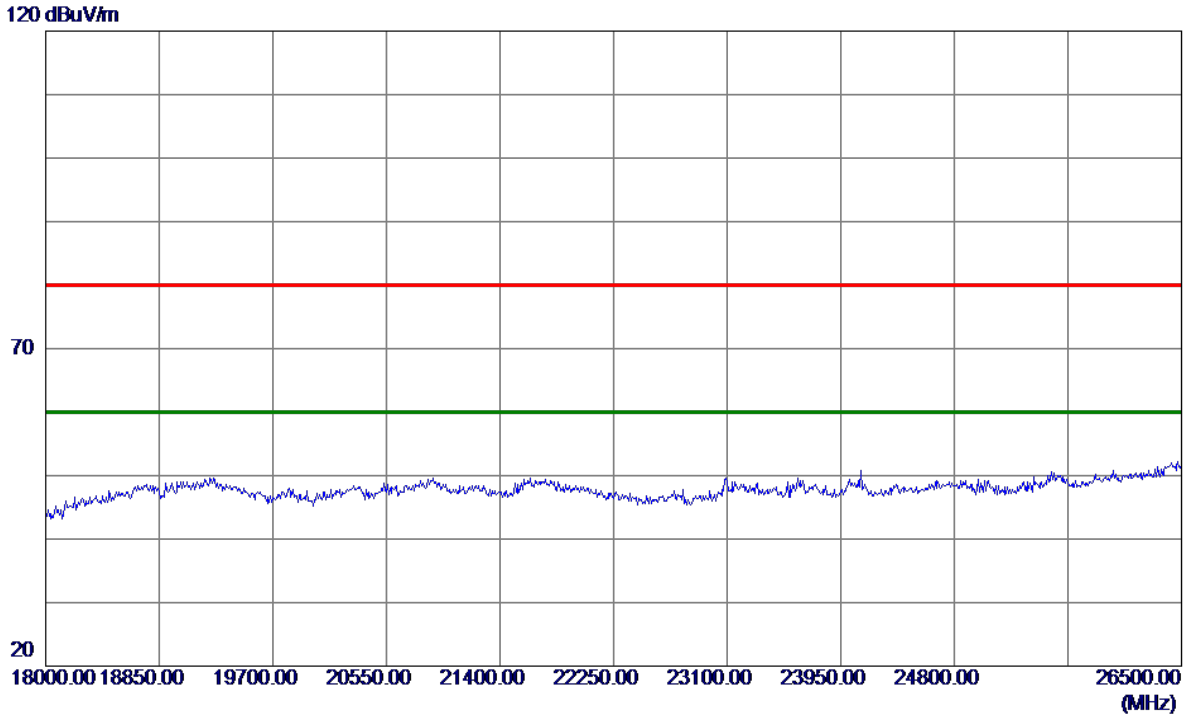
120 dBuV/m



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

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

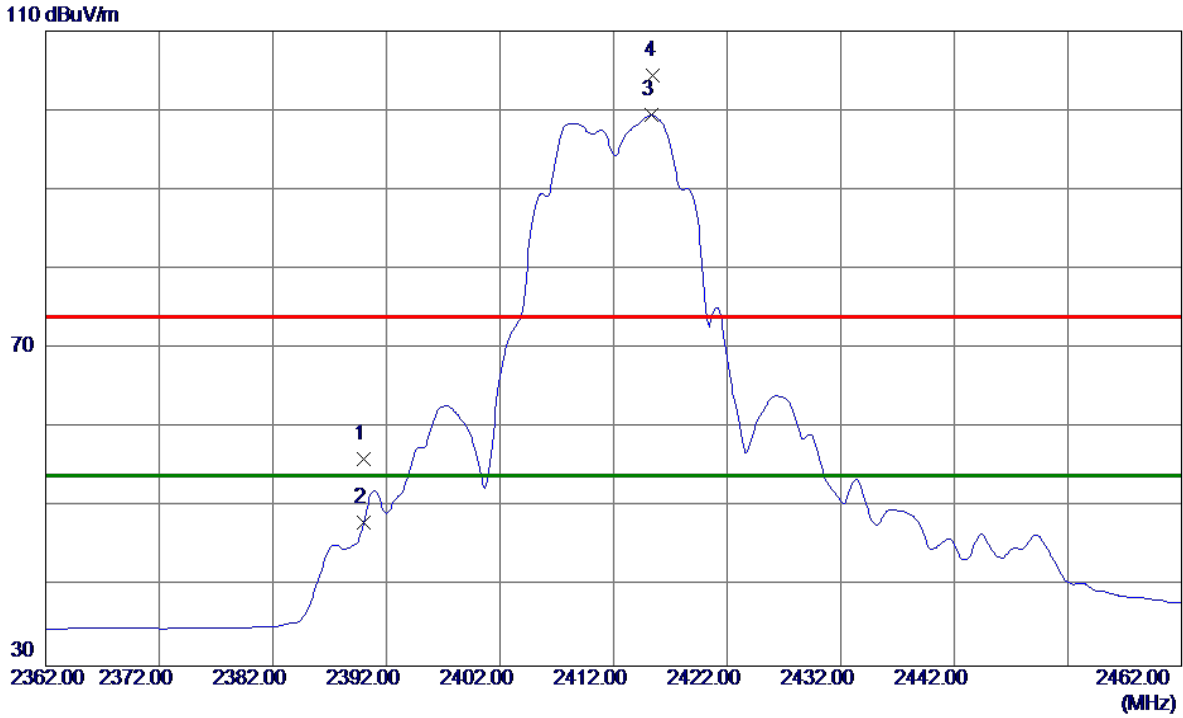
Vertical



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

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

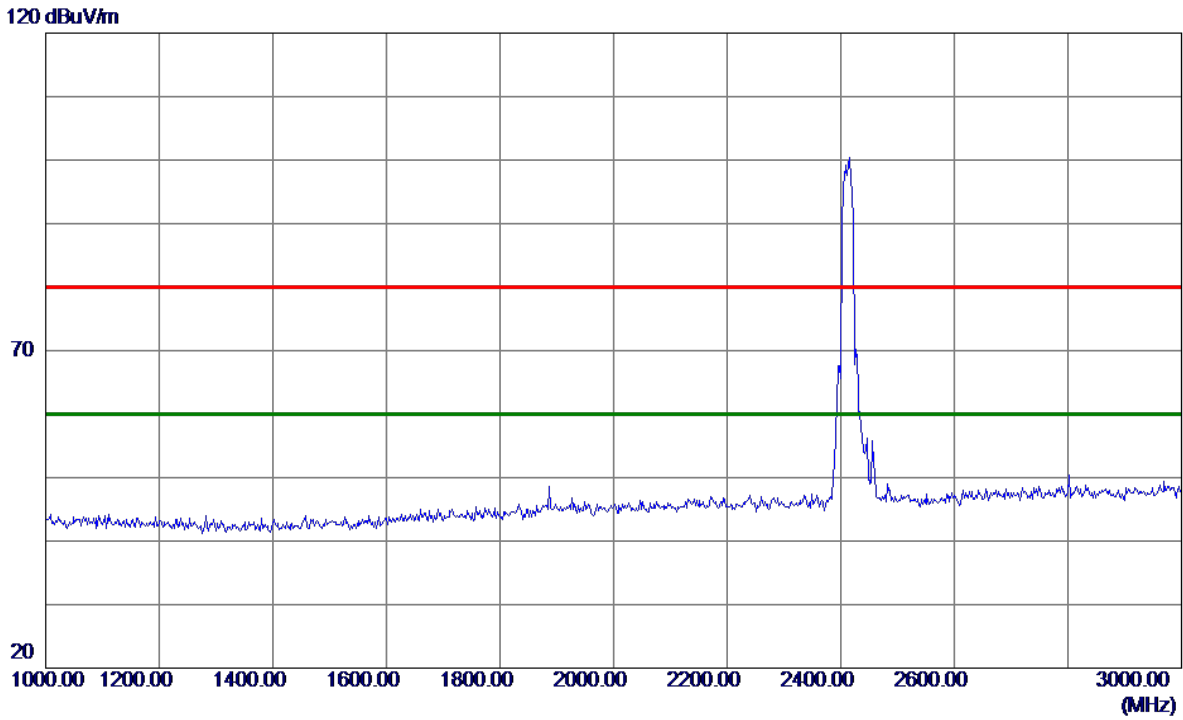
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.02	33.06	56.08	74.00	-17.92	Peak	
2	2390.0000	14.99	33.06	48.05	54.00	-5.95	AVG	
3 *	2415.3000	66.23	33.15	99.38	54.00	45.38	AVG	No Limit
4	2415.5000	71.28	33.15	104.43	74.00	30.43	Peak	No Limit

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

Horizontal

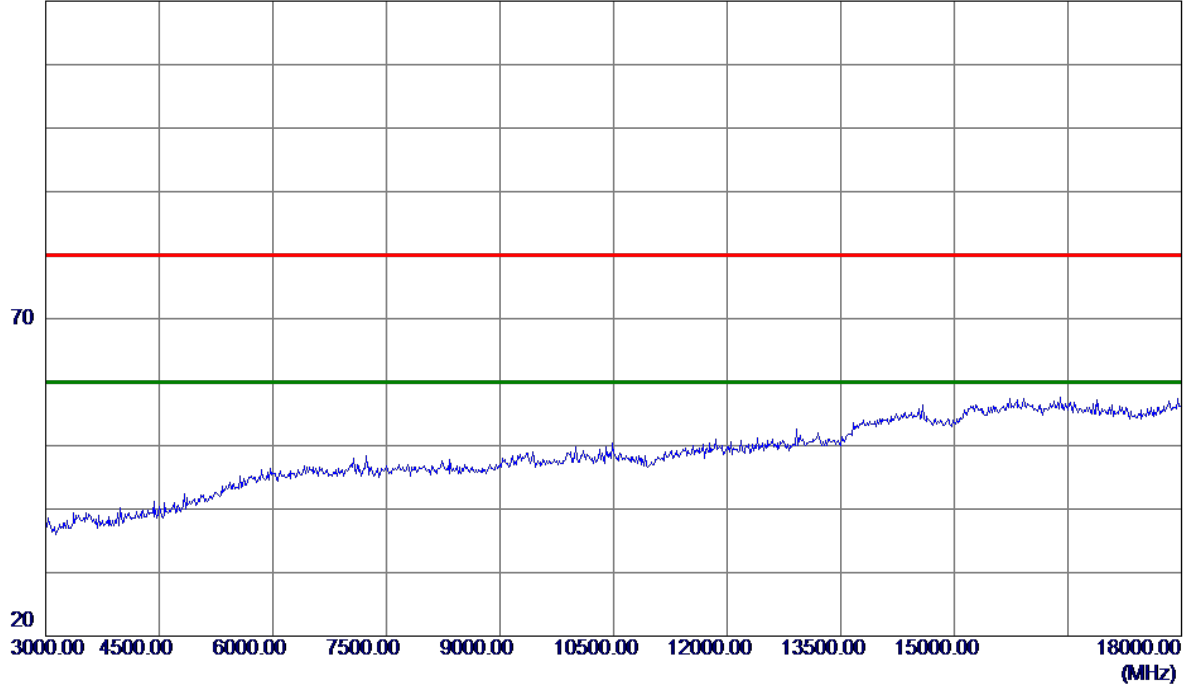


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
-----	--------------	----------------------------	-------------------------	---------------------------	-----------------	--------------	----------	---------

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

Horizontal

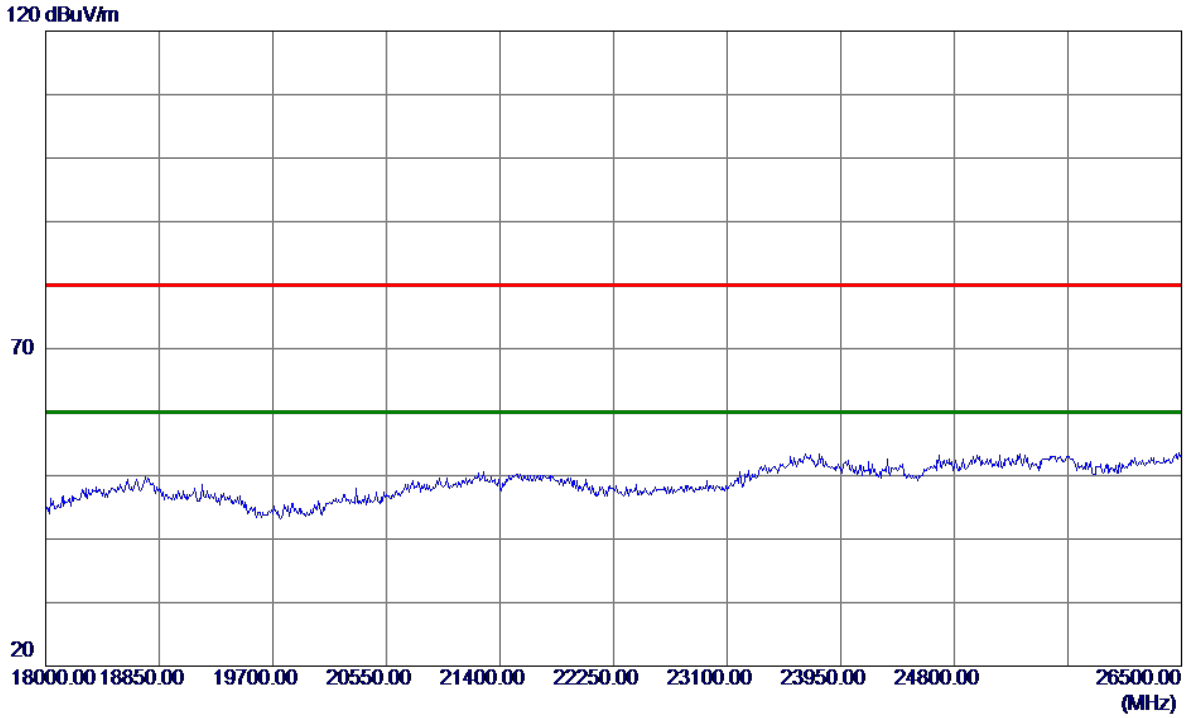
120 dBuV/m



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

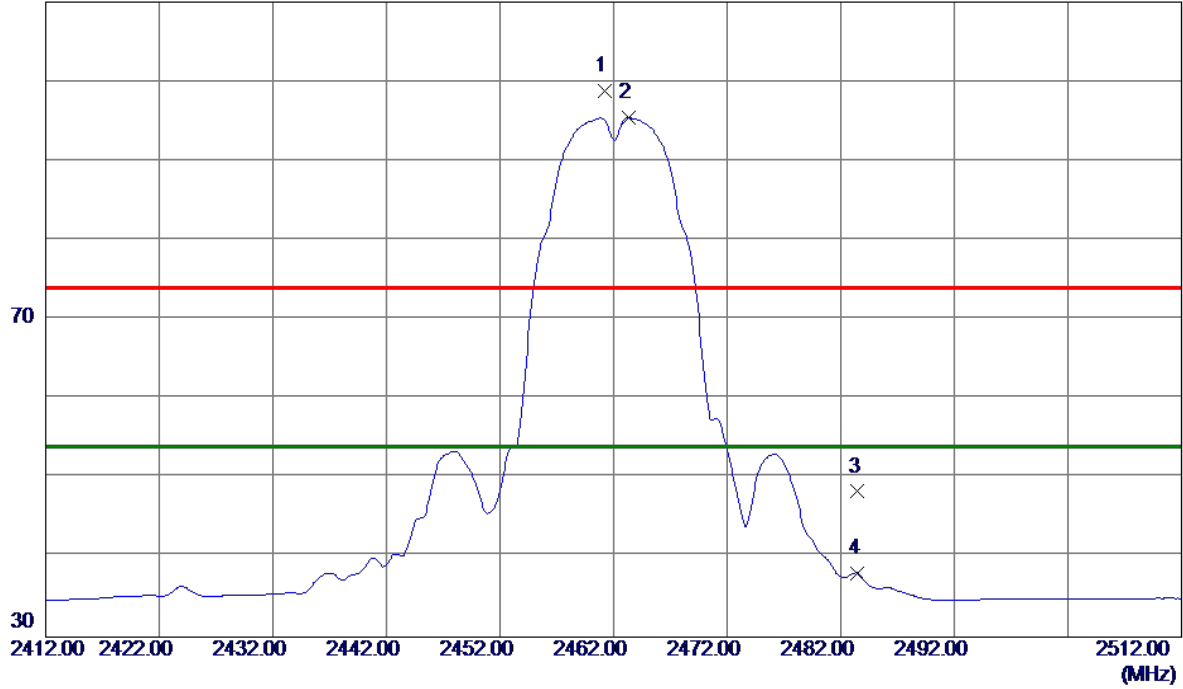


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
-----	--------------	----------------------------	-------------------------	---------------------------	-----------------	--------------	----------	---------

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

Vertical

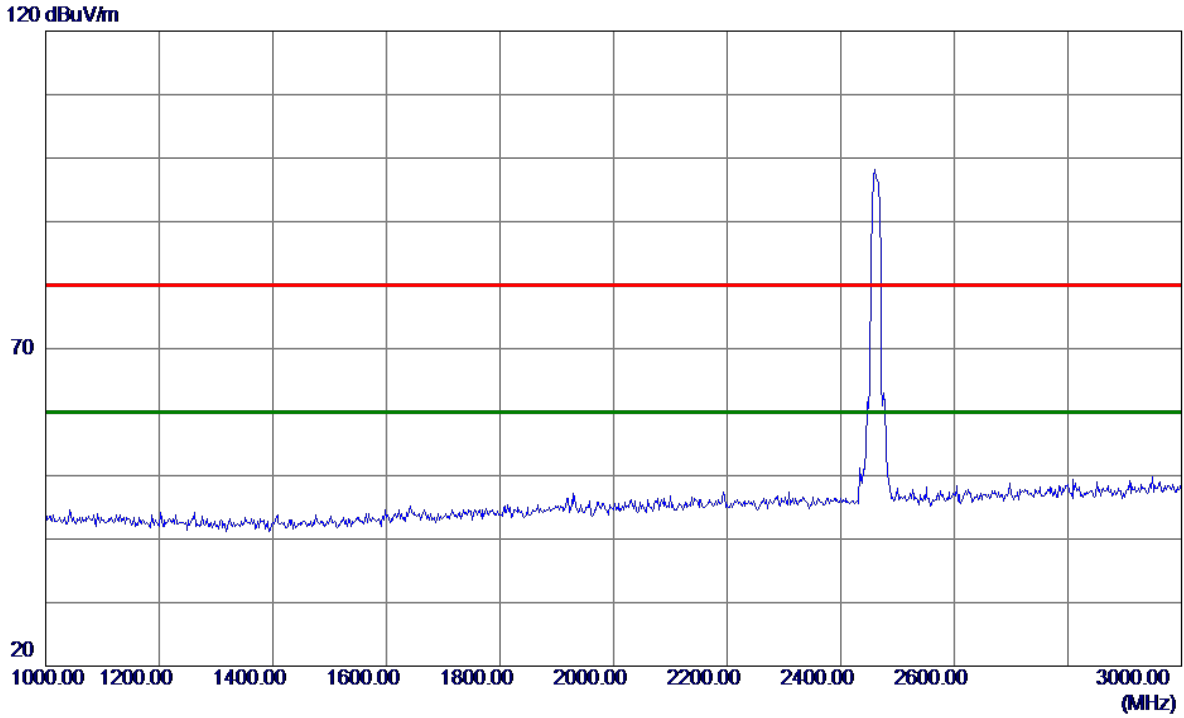
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.2000	65.55	33.32	98.87	74.00	24.87	Peak	No Limit
2 *	2463.3000	62.11	33.33	95.44	54.00	41.44	AVG	No Limit
3	2483.5000	14.91	33.41	48.32	74.00	-25.68	Peak	
4	2483.5000	4.63	33.41	38.04	54.00	-15.96	AVG	

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

Vertical

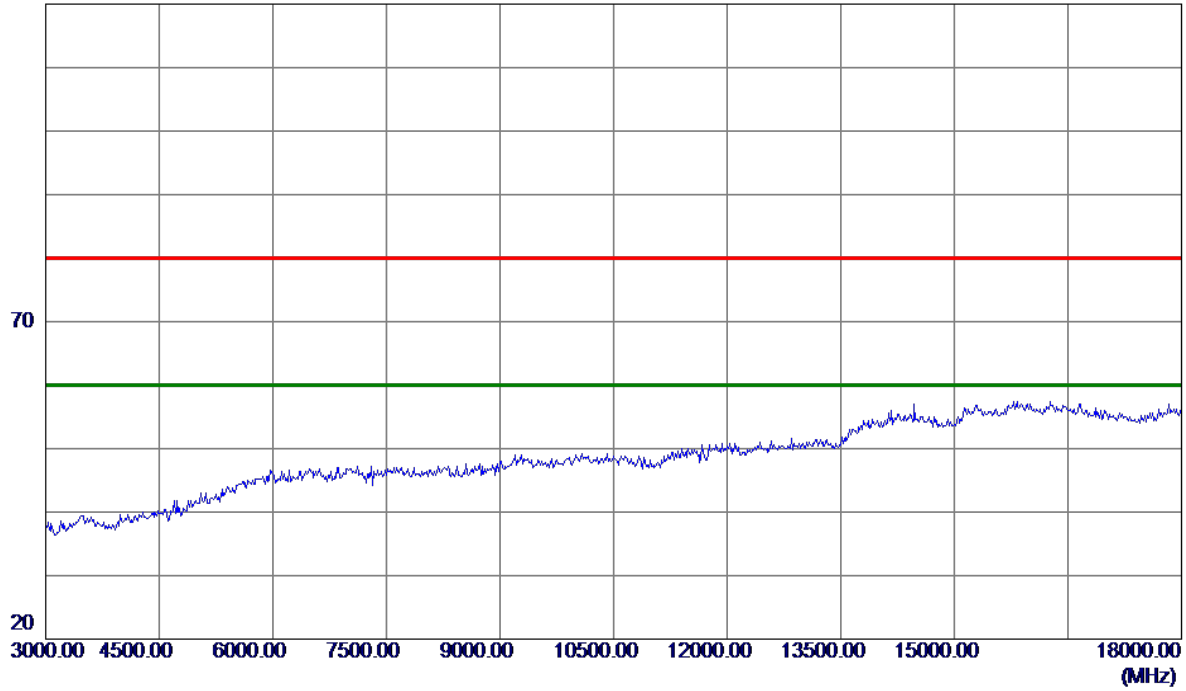


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
-----	--------------	----------------------------	-------------------------	---------------------------	-----------------	--------------	----------	---------

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

Vertical

120 dBuV/m

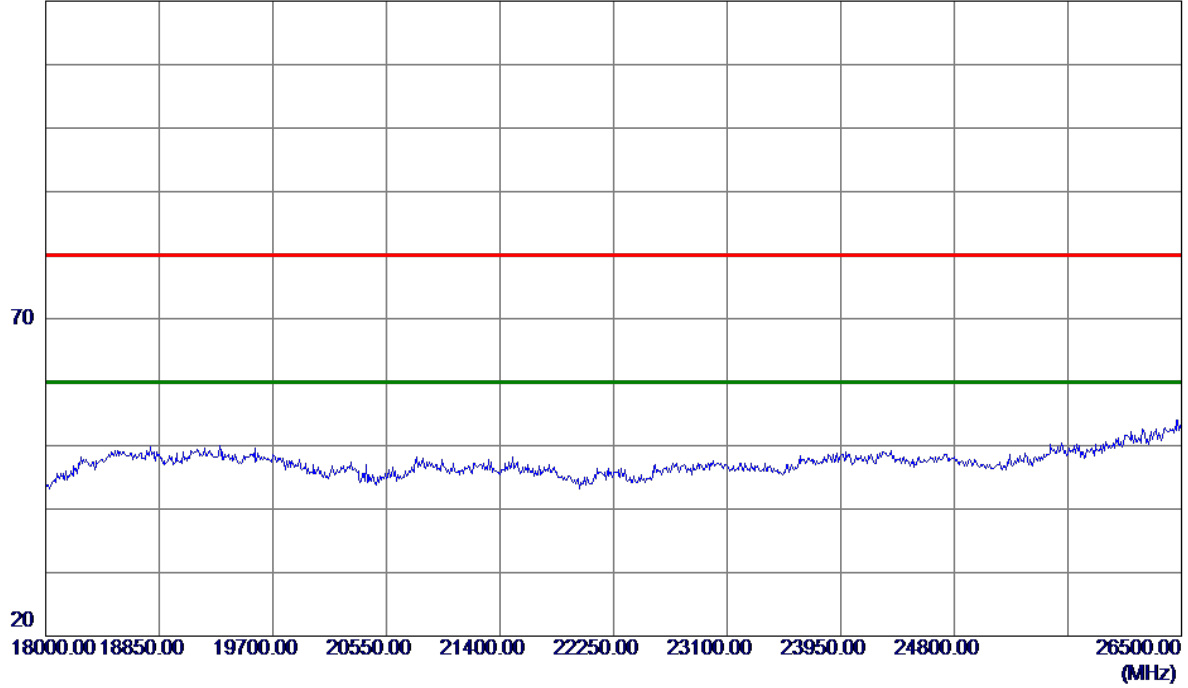


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
-----	--------------	----------------------------	-------------------------	---------------------------	-----------------	--------------	----------	---------

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

Vertical

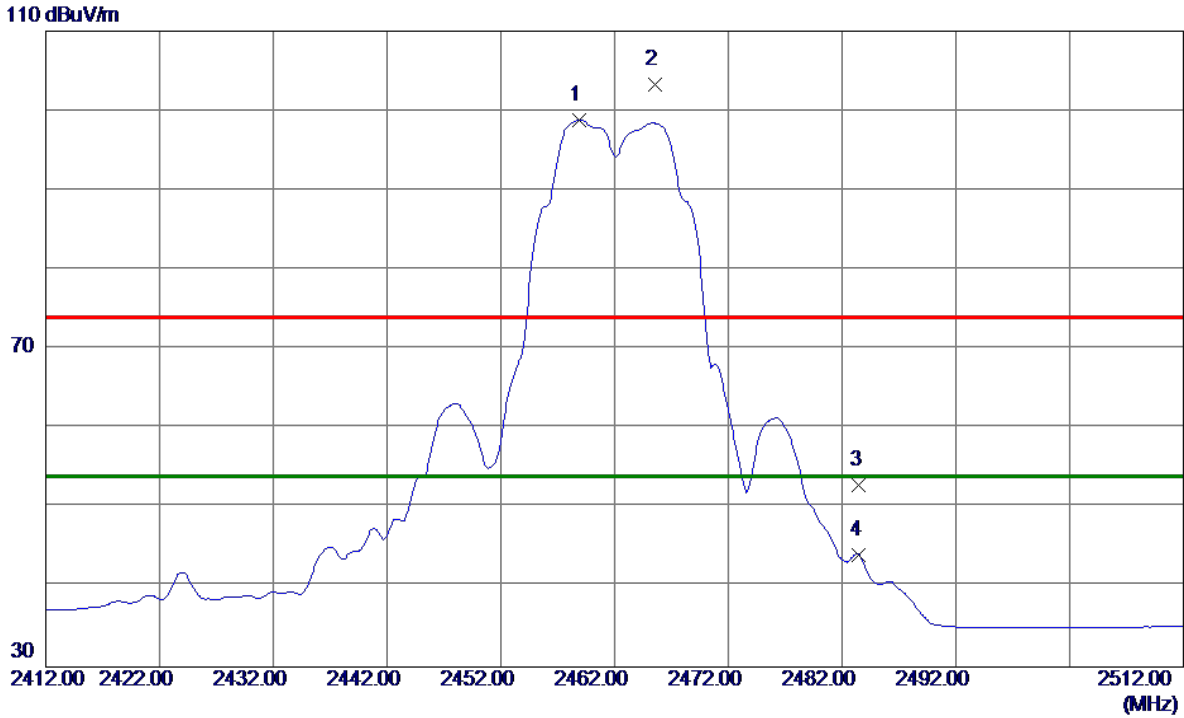
120 dBuV/m



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

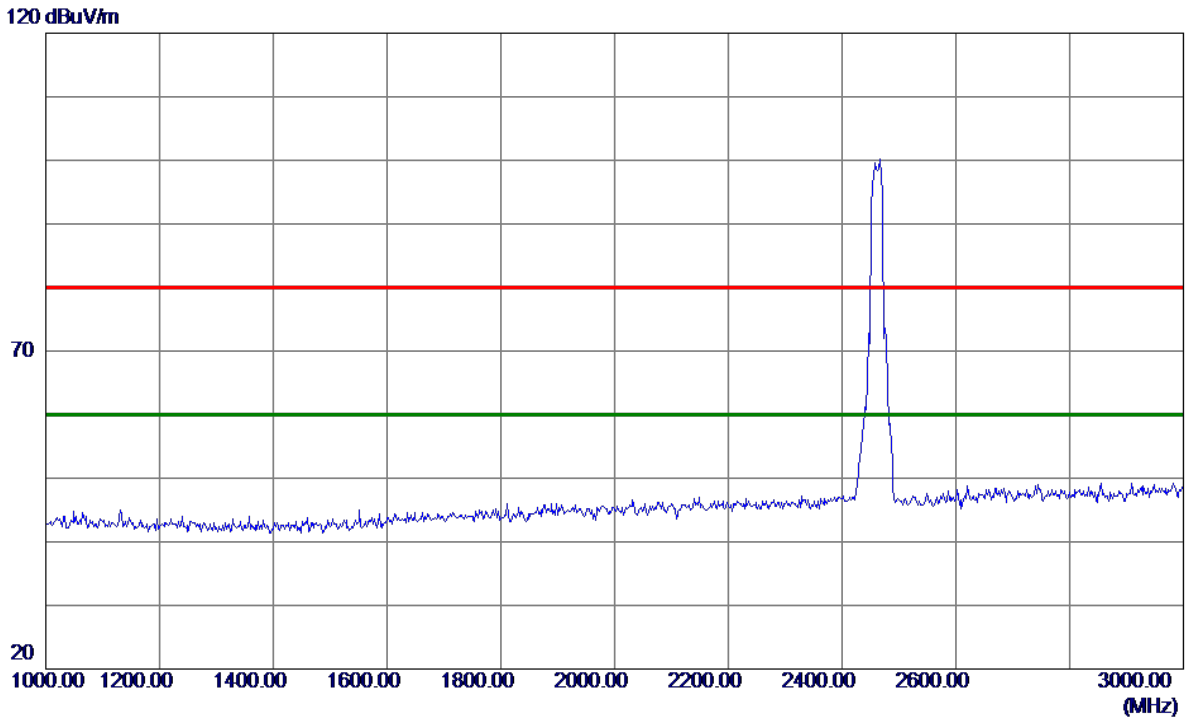
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2458.9000	65.52	33.32	98.84	54.00	44.84	AVG	No Limit
2	2465.6000	69.89	33.34	103.23	74.00	29.23	Peak	No Limit
3	2483.5000	19.41	33.41	52.82	74.00	-21.18	Peak	
4	2483.5000	10.71	33.41	44.12	54.00	-9.88	AVG	

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

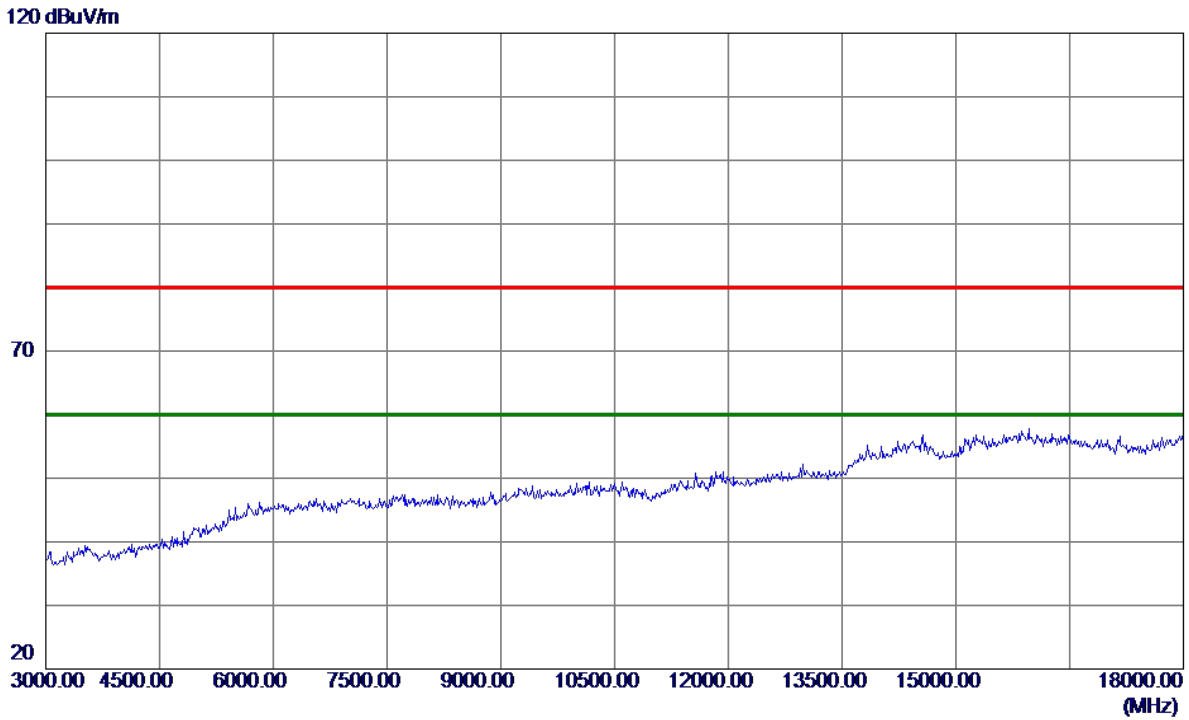
Horizontal



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

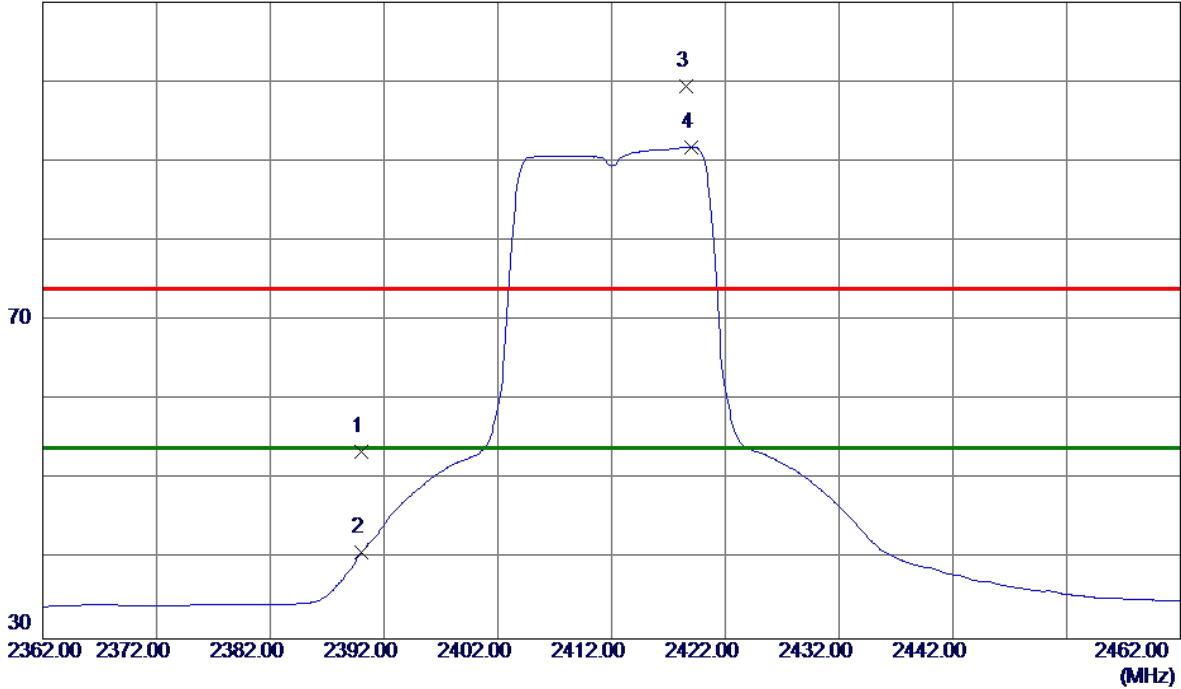


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
-----	--------------	----------------------------	-------------------------	---------------------------	-----------------	--------------	----------	---------

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

Vertical

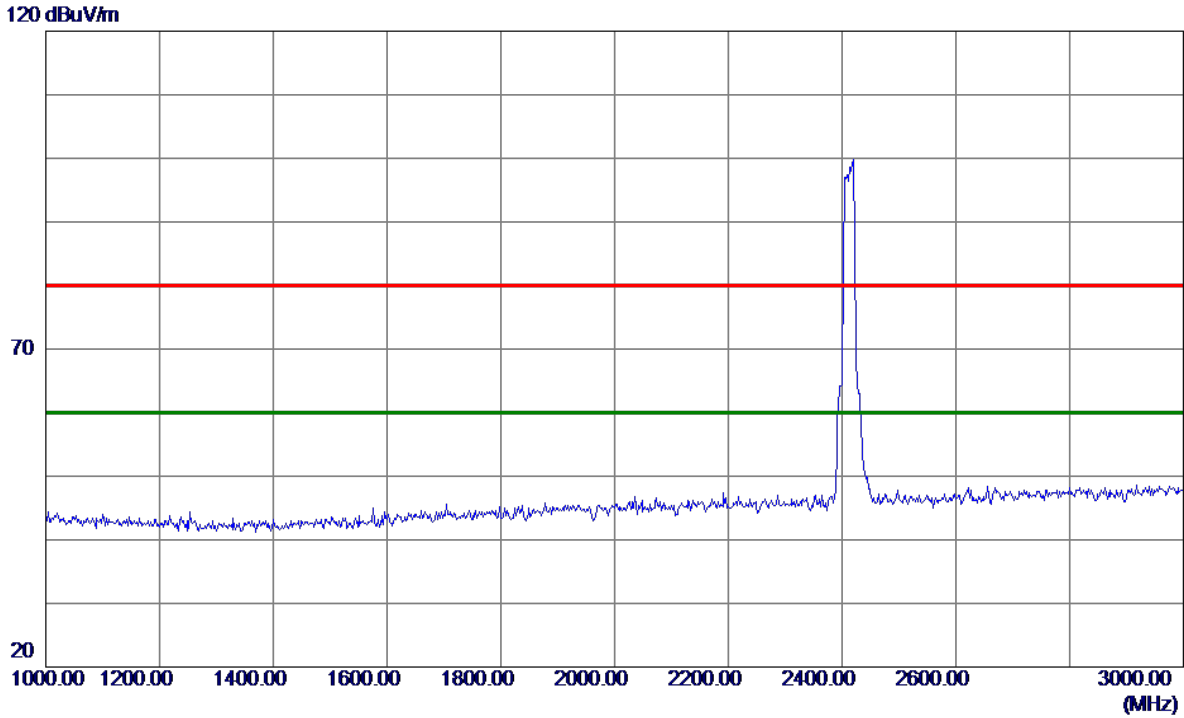
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	20.41	33.06	53.47	74.00	-20.53	Peak	
2	2390.0000	7.82	33.06	40.88	54.00	-13.12	AVG	
3	2418.6000	66.23	33.16	99.39	74.00	25.39	Peak	No Limit
4 *	2419.0000	58.60	33.17	91.77	54.00	37.77	AVG	No Limit

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

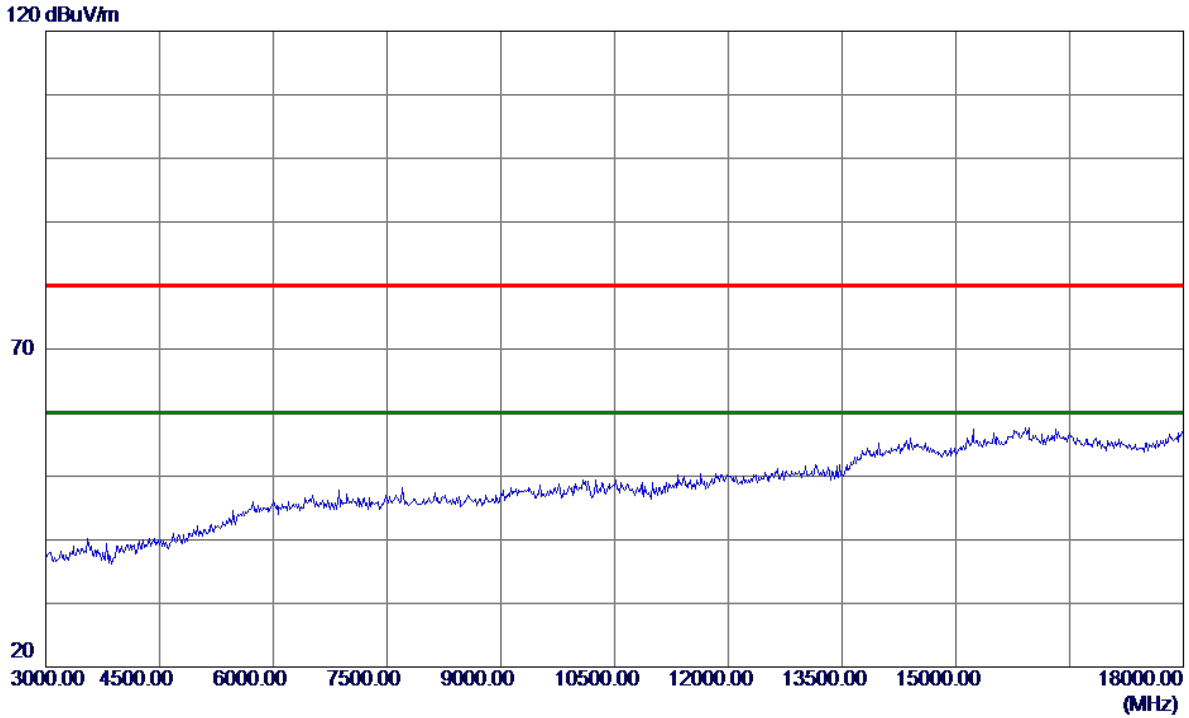
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2412	100		100	70	30		

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

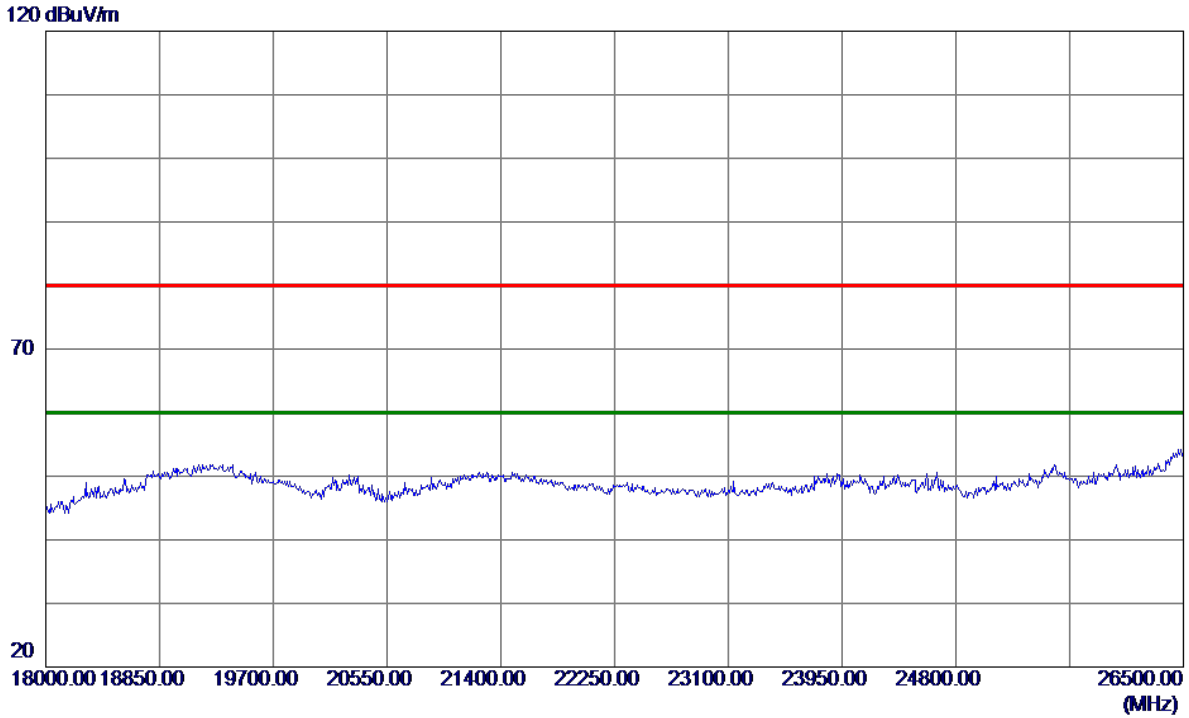
Vertical



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

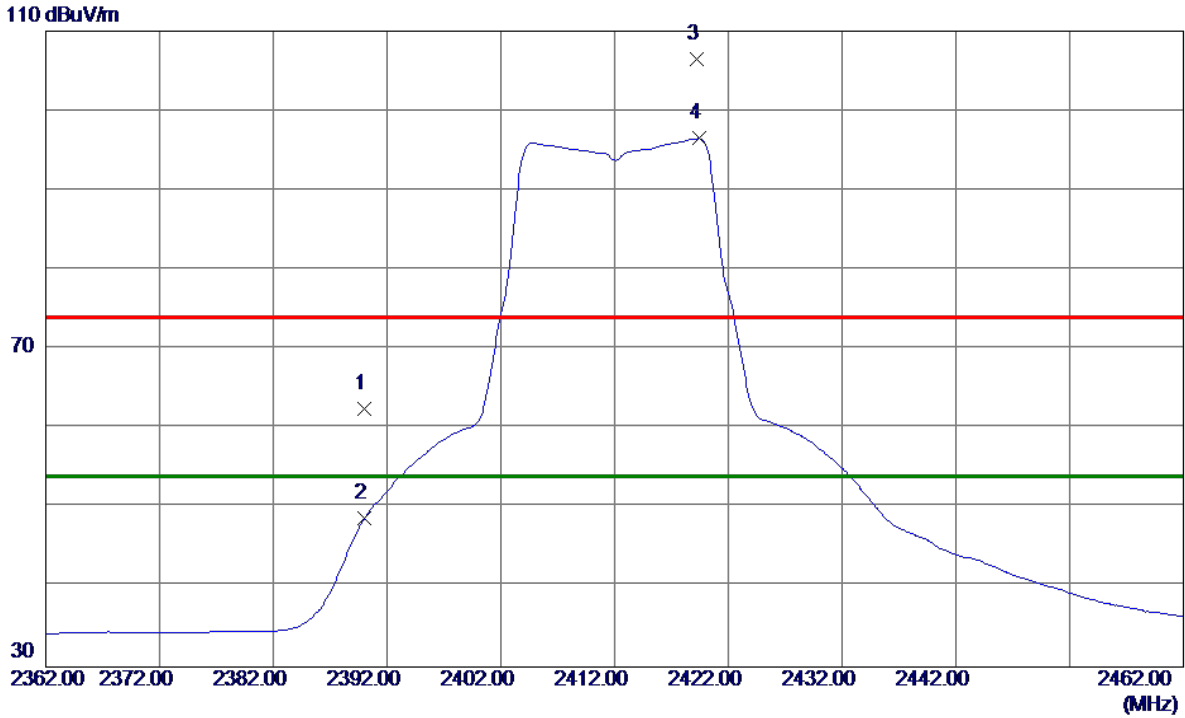
Vertical



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

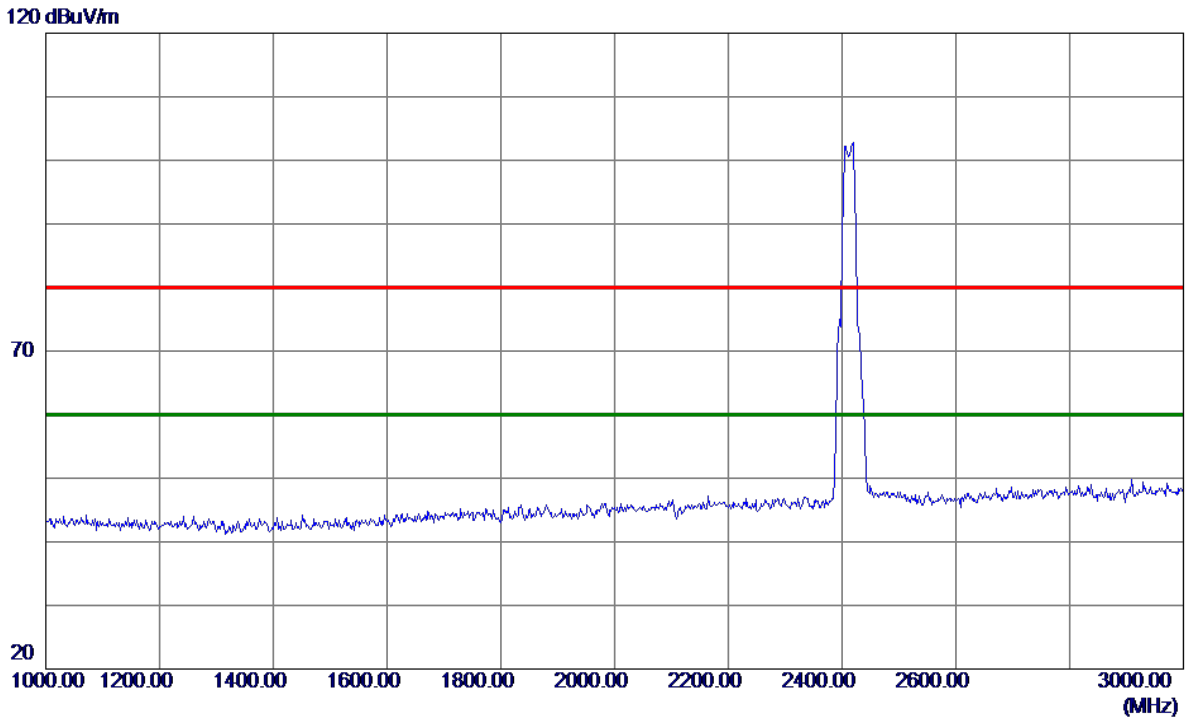
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	29.46	33.06	62.52	74.00	-11.48	Peak	
2	2390.0000	15.65	33.06	48.71	54.00	-5.29	AVG	
3	2419.2000	73.31	33.17	106.48	74.00	32.48	Peak	No Limit
4 *	2419.4000	63.32	33.17	96.49	54.00	42.49	AVG	No Limit

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

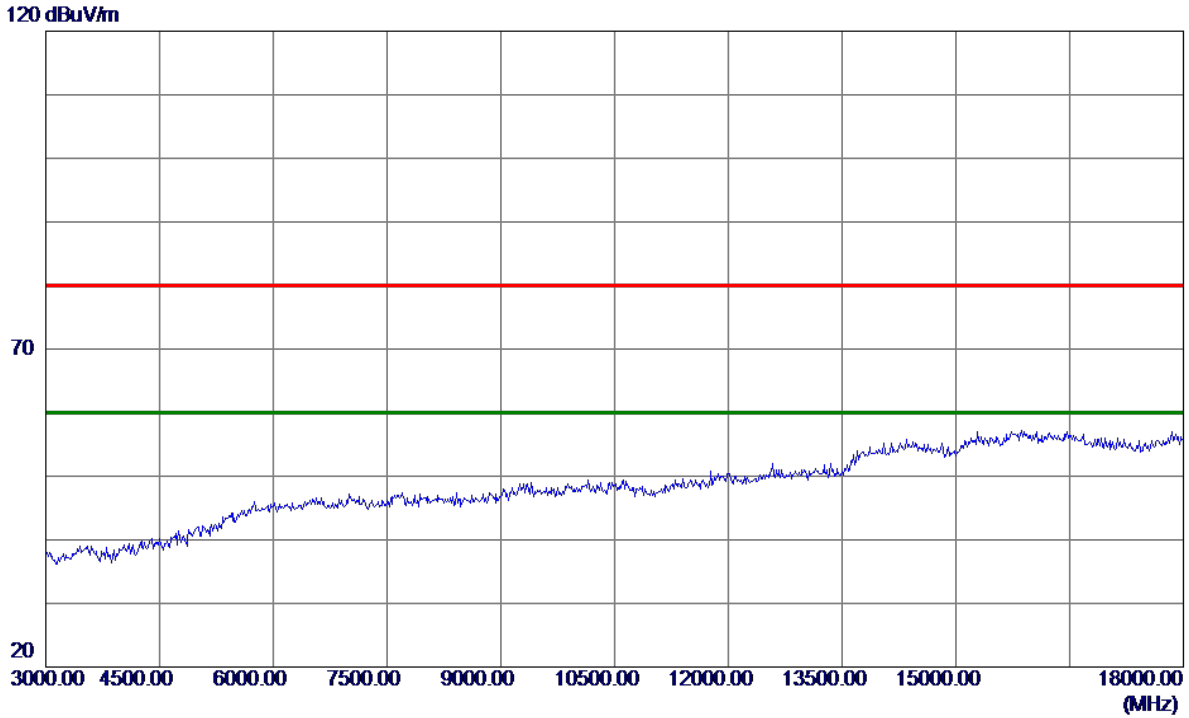
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2412	105		105	75	30		

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

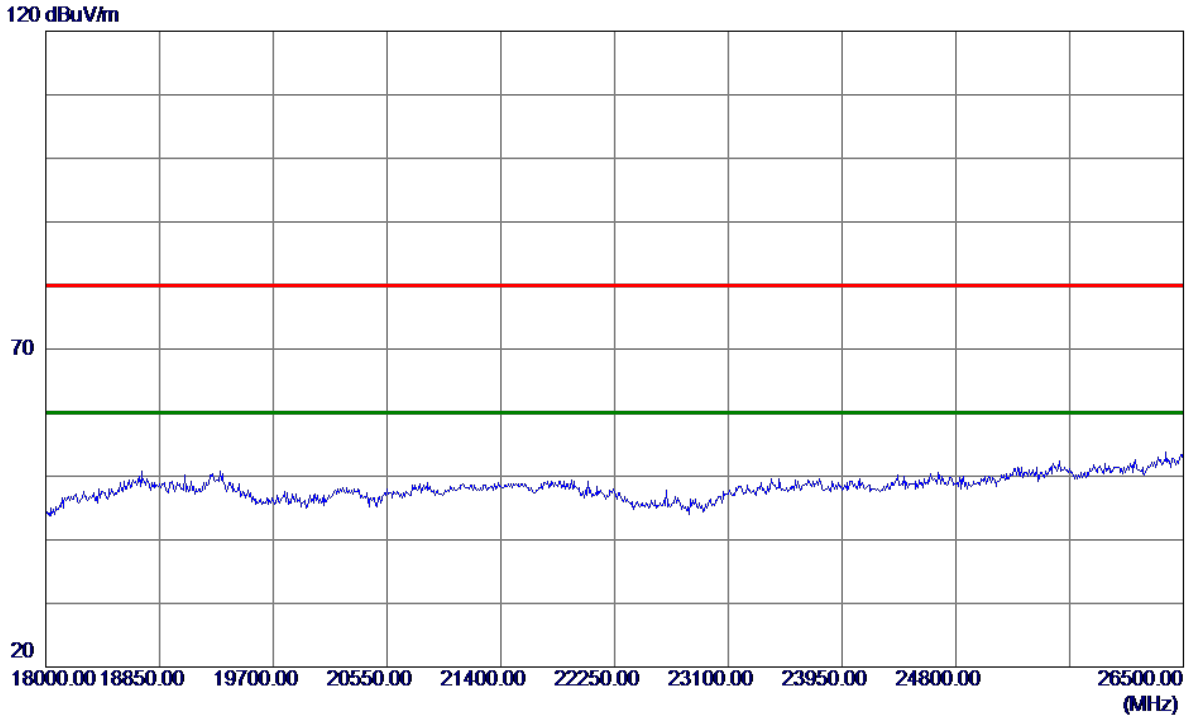
Horizontal



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 2412MHz

Horizontal

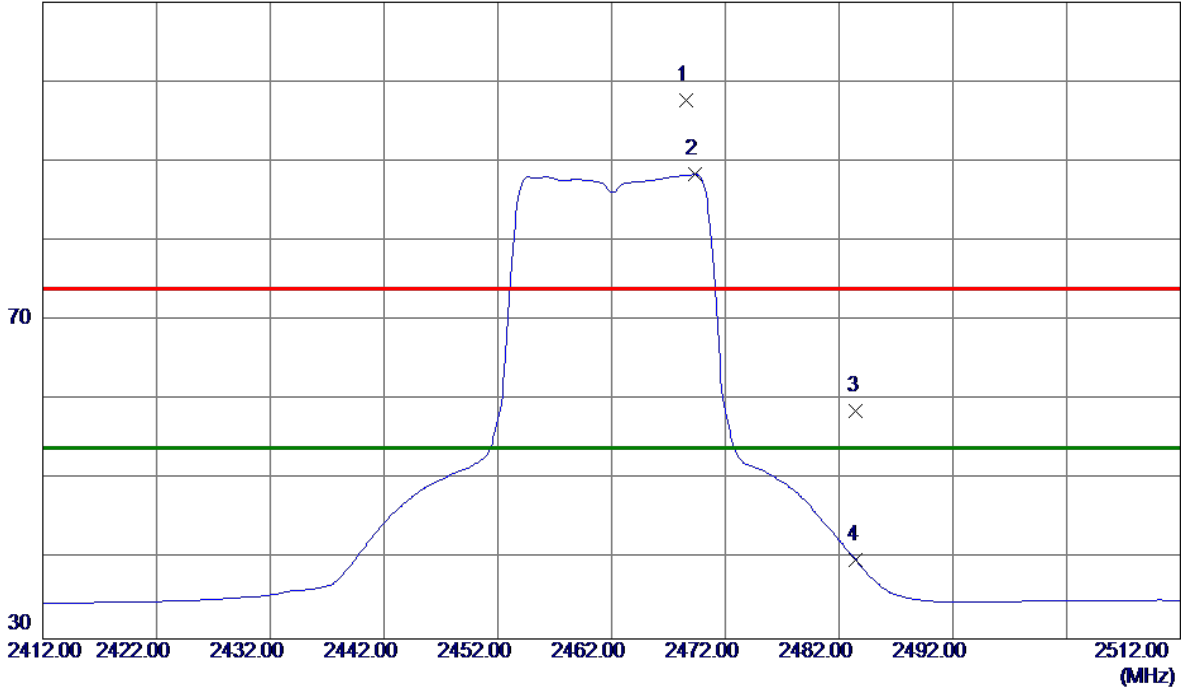


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

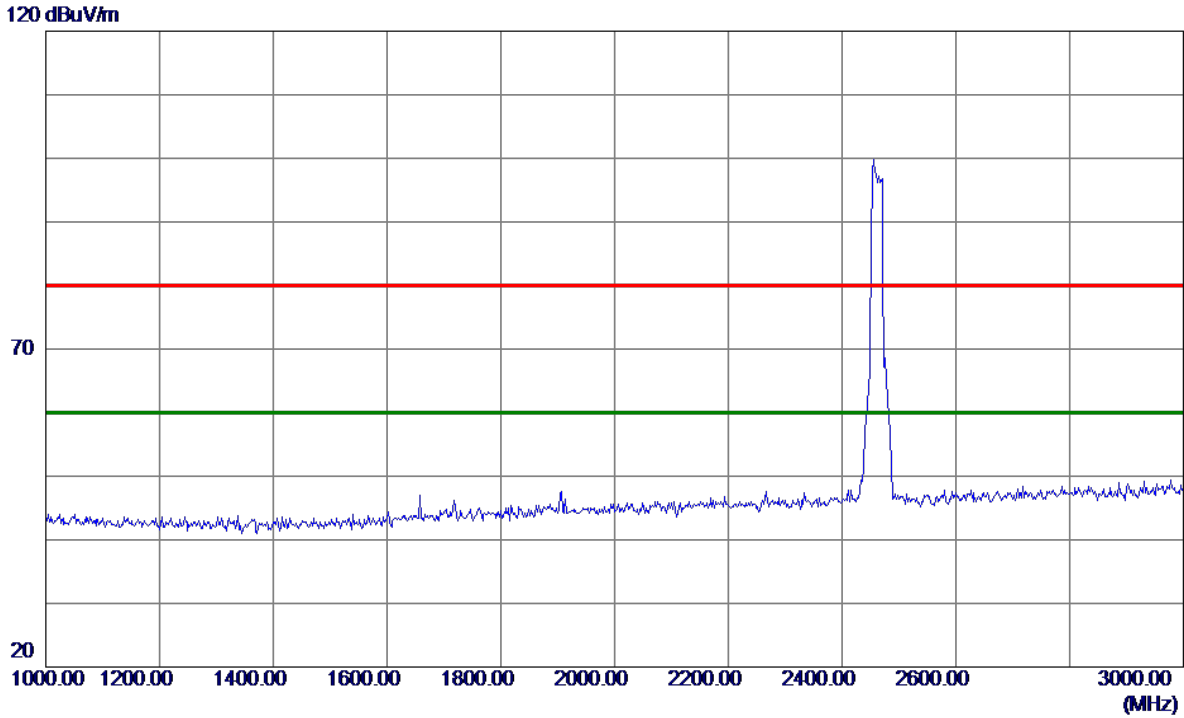
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2468.6000	64.34	33.35	97.69	74.00	23.69	Peak	No Limit
2 *	2469.3000	55.00	33.35	88.35	54.00	34.35	AVG	No Limit
3	2483.5000	25.22	33.41	58.63	74.00	-15.37	Peak	
4	2483.5000	6.48	33.41	39.89	54.00	-14.11	AVG	

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

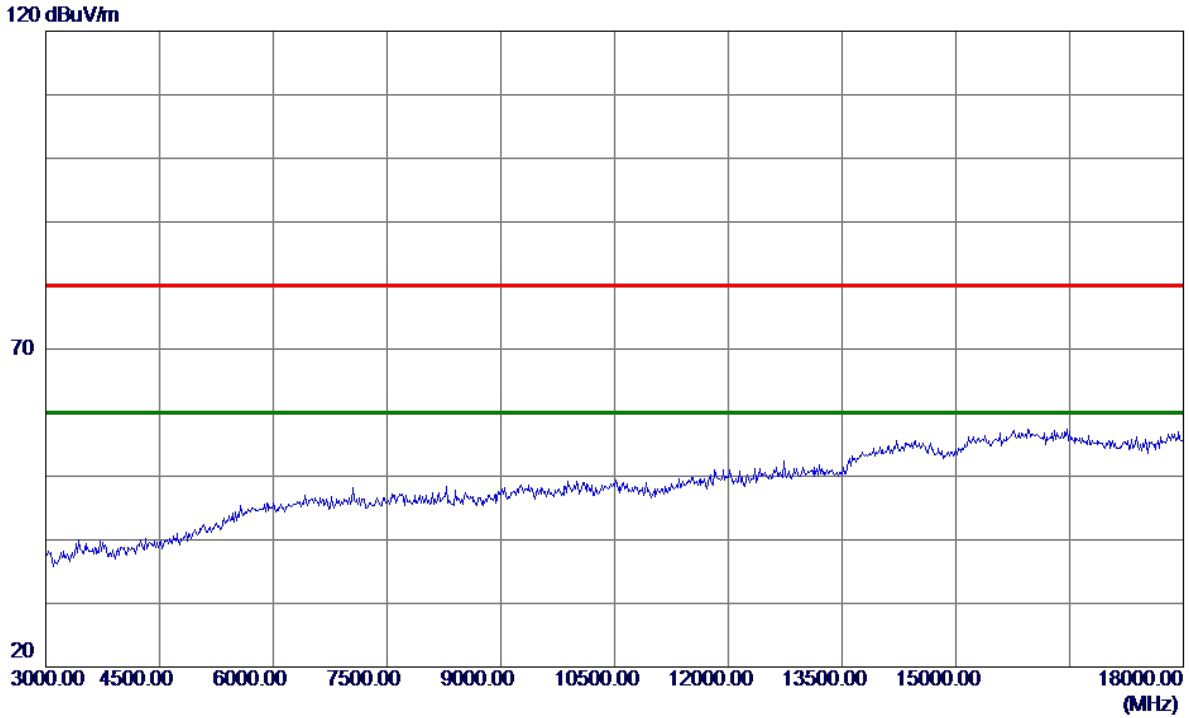
Vertical



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

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

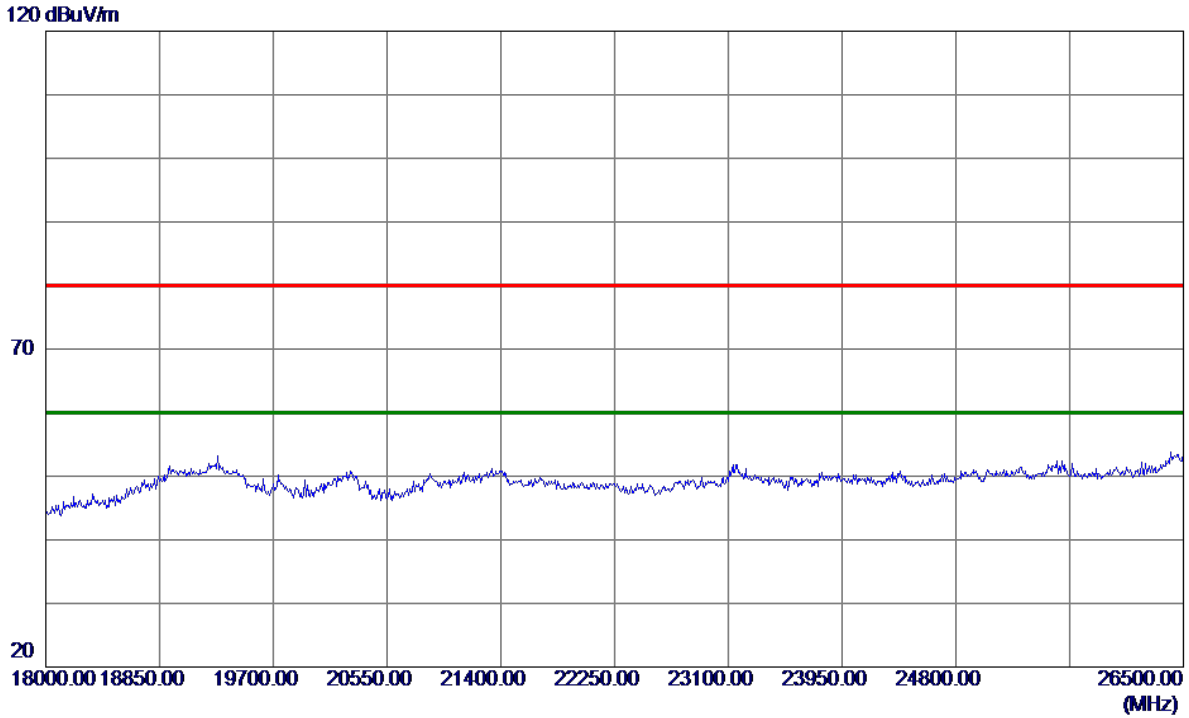
Vertical



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

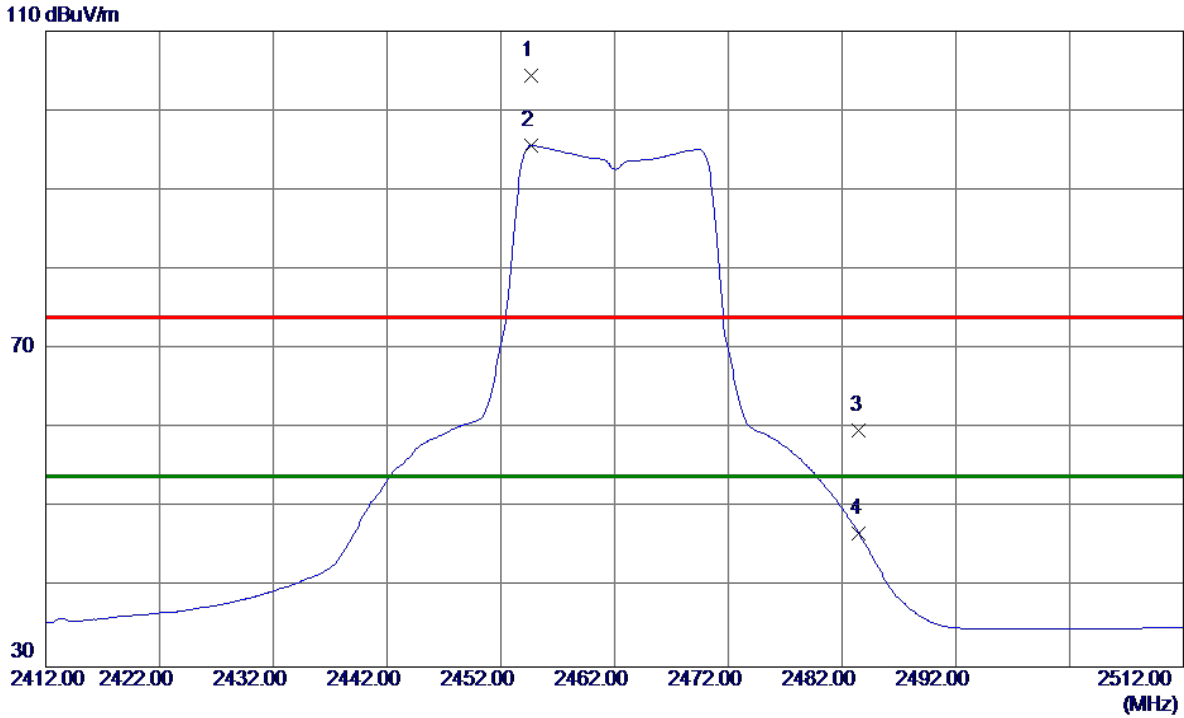
Vertical



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

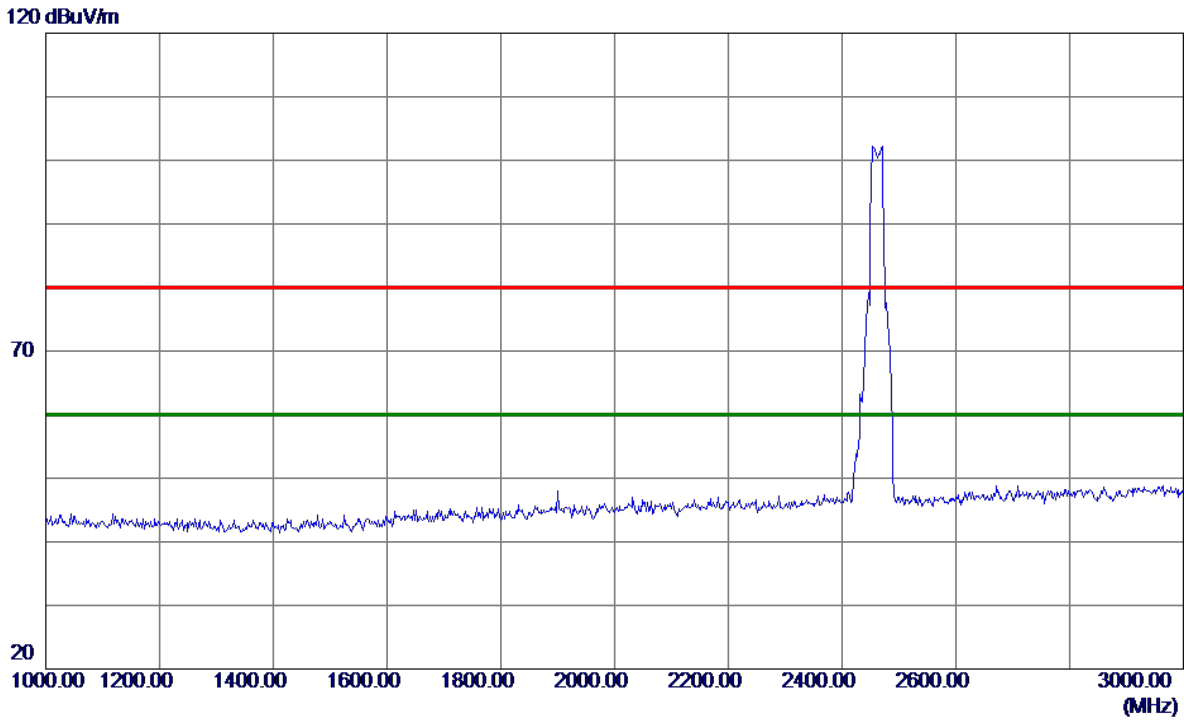
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2454.7000	71.13	33.30	104.43	74.00	30.43	Peak	No Limit
2 *	2454.7000	62.29	33.30	95.59	54.00	41.59	AVG	No Limit
3	2483.5000	26.38	33.41	59.79	74.00	-14.21	Peak	
4	2483.5000	13.39	33.41	46.80	54.00	-7.20	AVG	

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

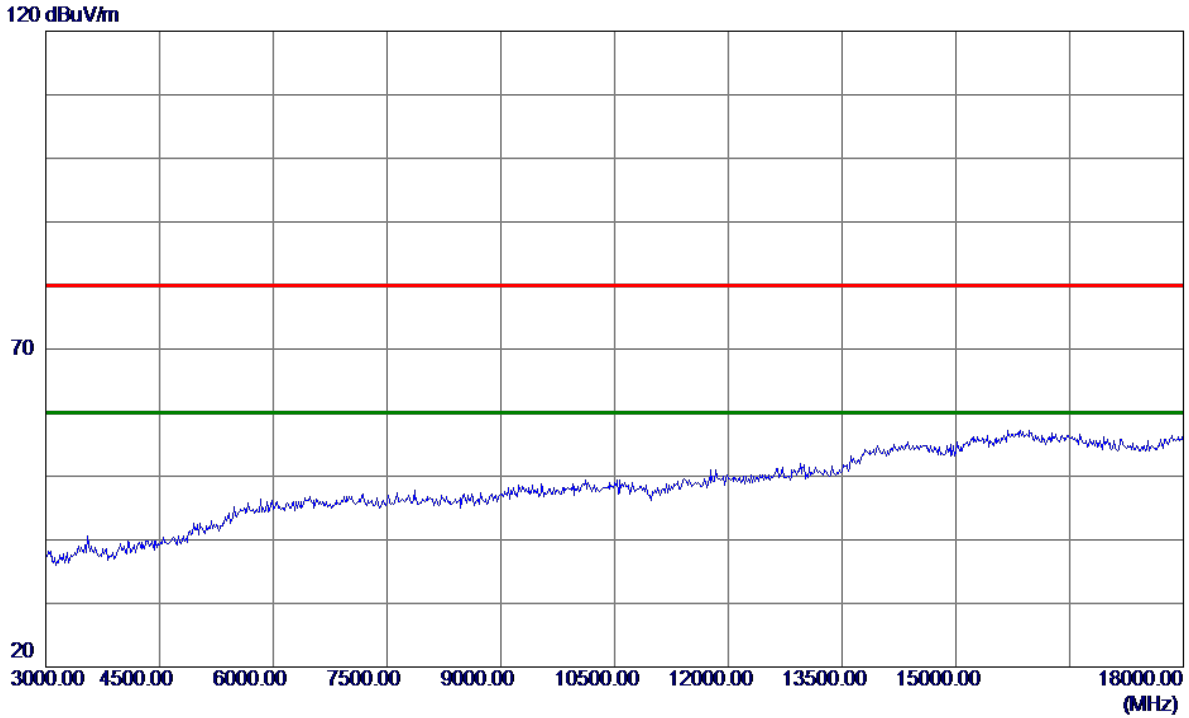
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2462	105		105	75	30		

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

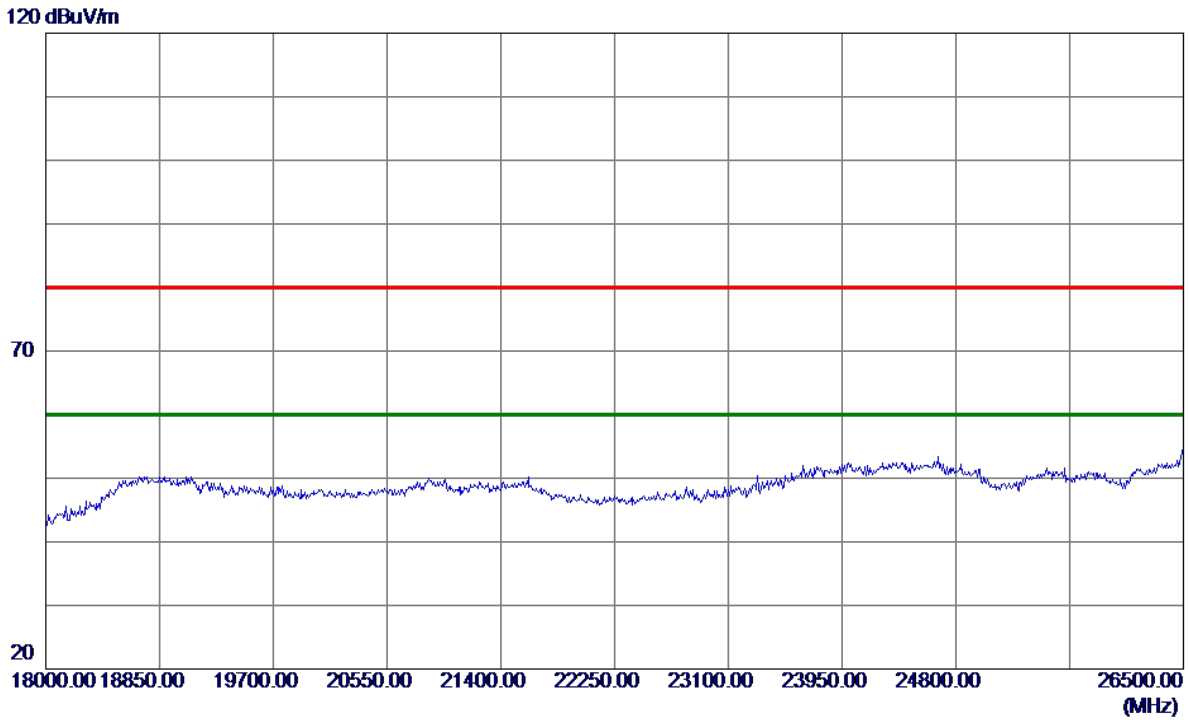
Horizontal



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

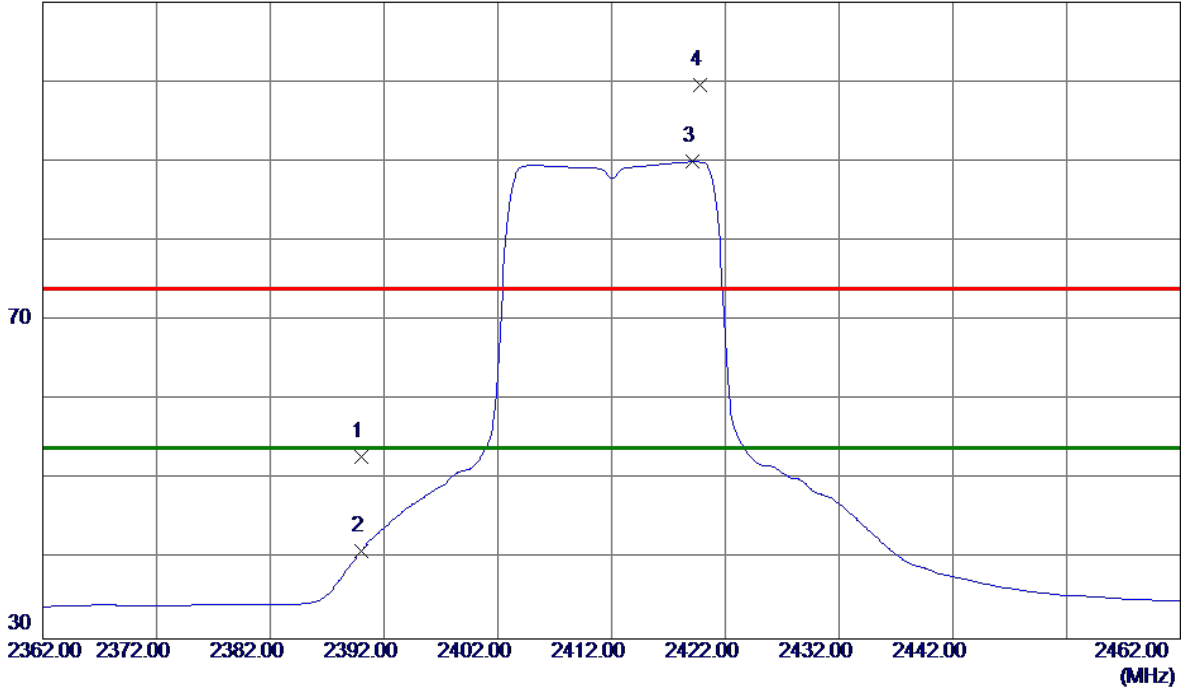


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

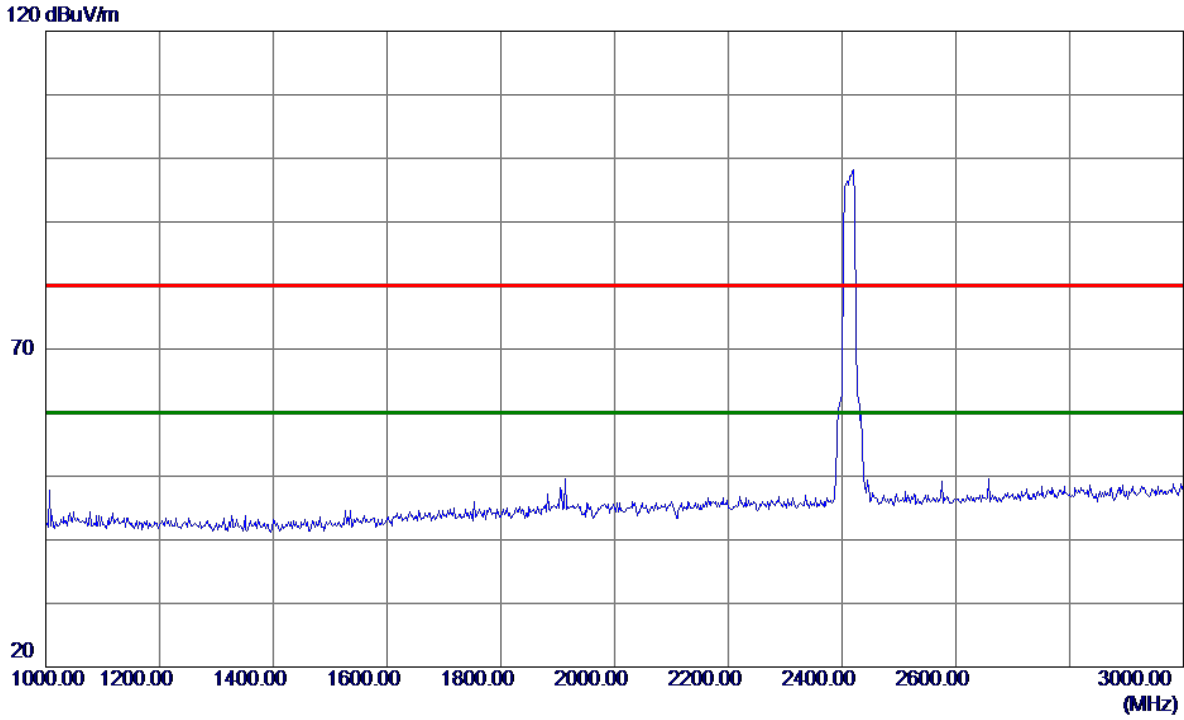
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	19.76	33.06	52.82	74.00	-21.18	Peak	
2	2390.0000	8.04	33.06	41.10	54.00	-12.90	AVG	
3 *	2419.1000	56.76	33.17	89.93	54.00	35.93	AVG	No Limit
4	2419.8000	66.47	33.17	99.64	74.00	25.64	Peak	No Limit

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

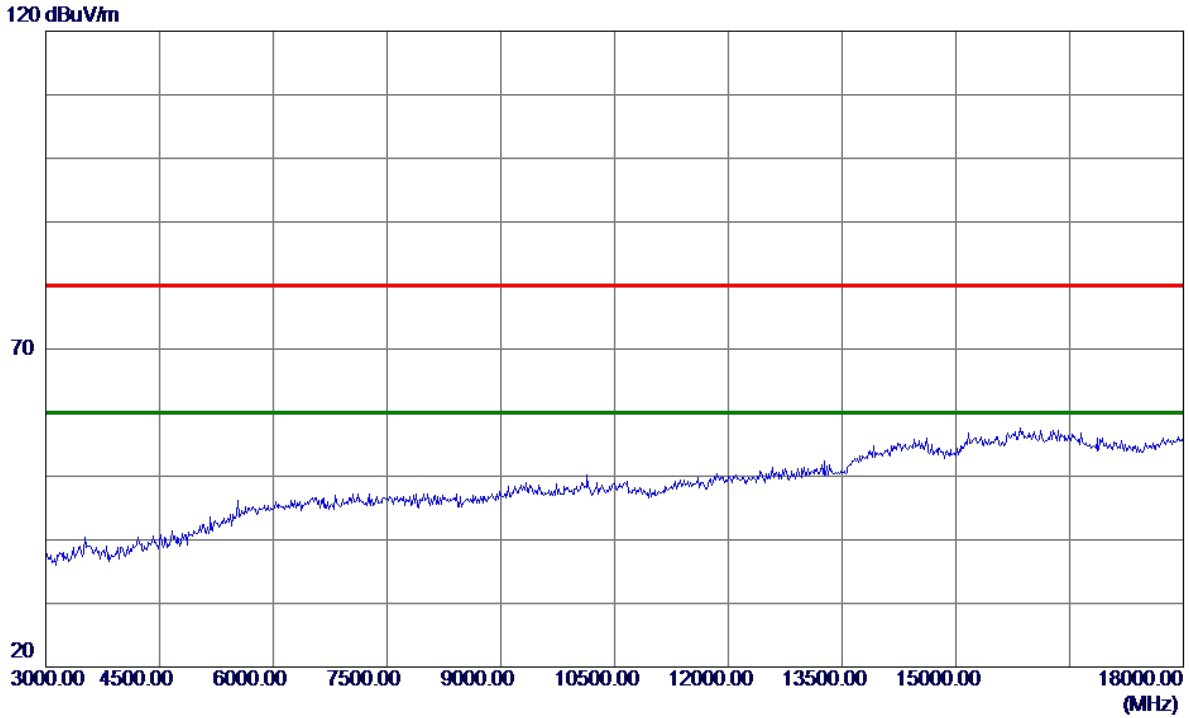
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
	2412	105		105	75	30		

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

Vertical



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

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

Vertical

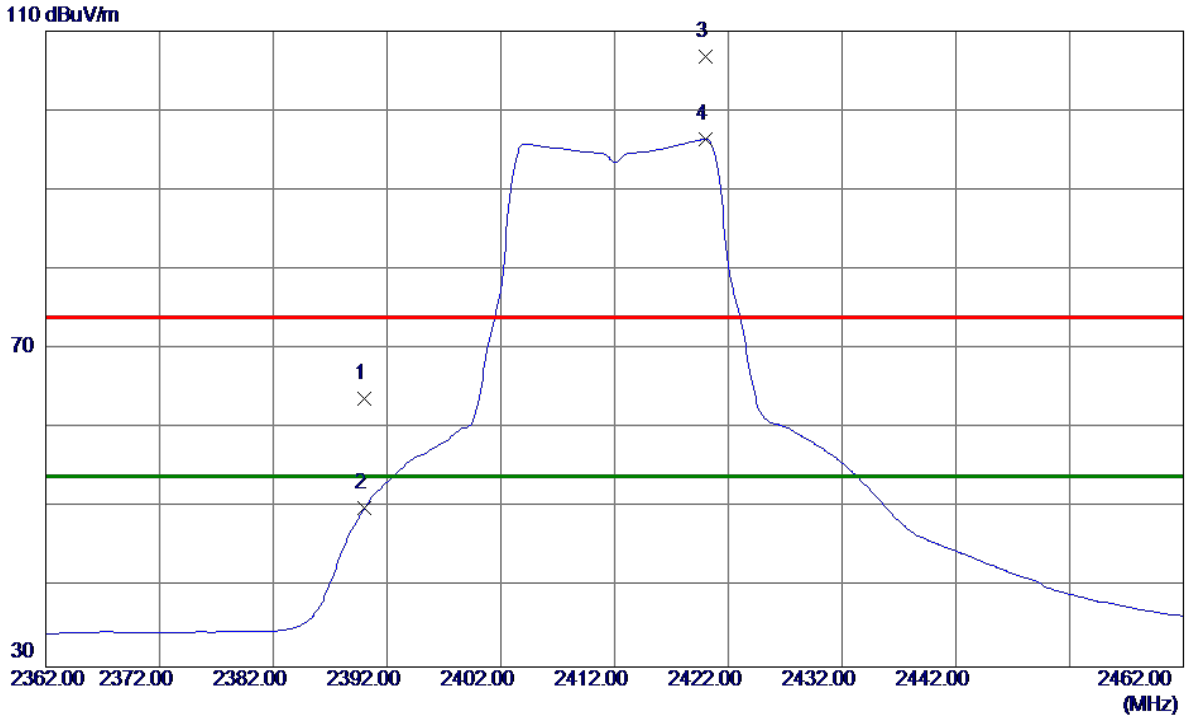
120 dBuV/m



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

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

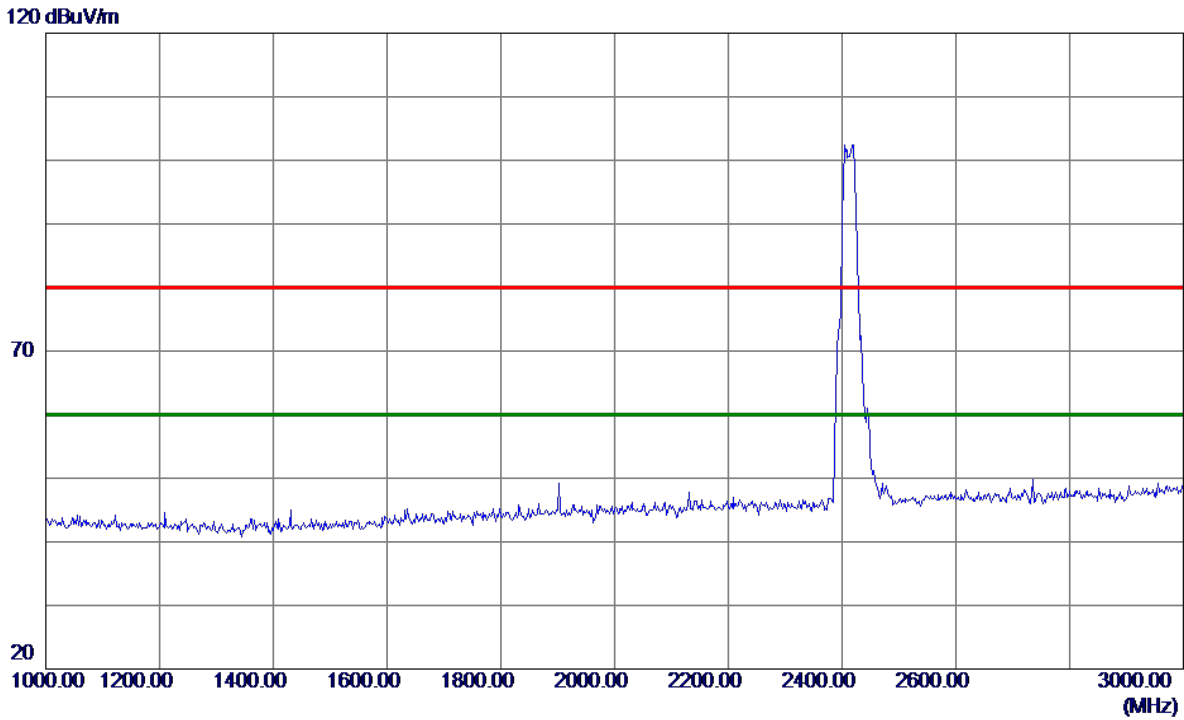
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	30.66	33.06	63.72	74.00	-10.28	Peak	
2	2390.0000	16.91	33.06	49.97	54.00	-4.03	AVG	
3	2420.0000	73.61	33.17	106.78	74.00	32.78	Peak	No Limit
4 *	2420.0000	63.25	33.17	96.42	54.00	42.42	AVG	No Limit

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

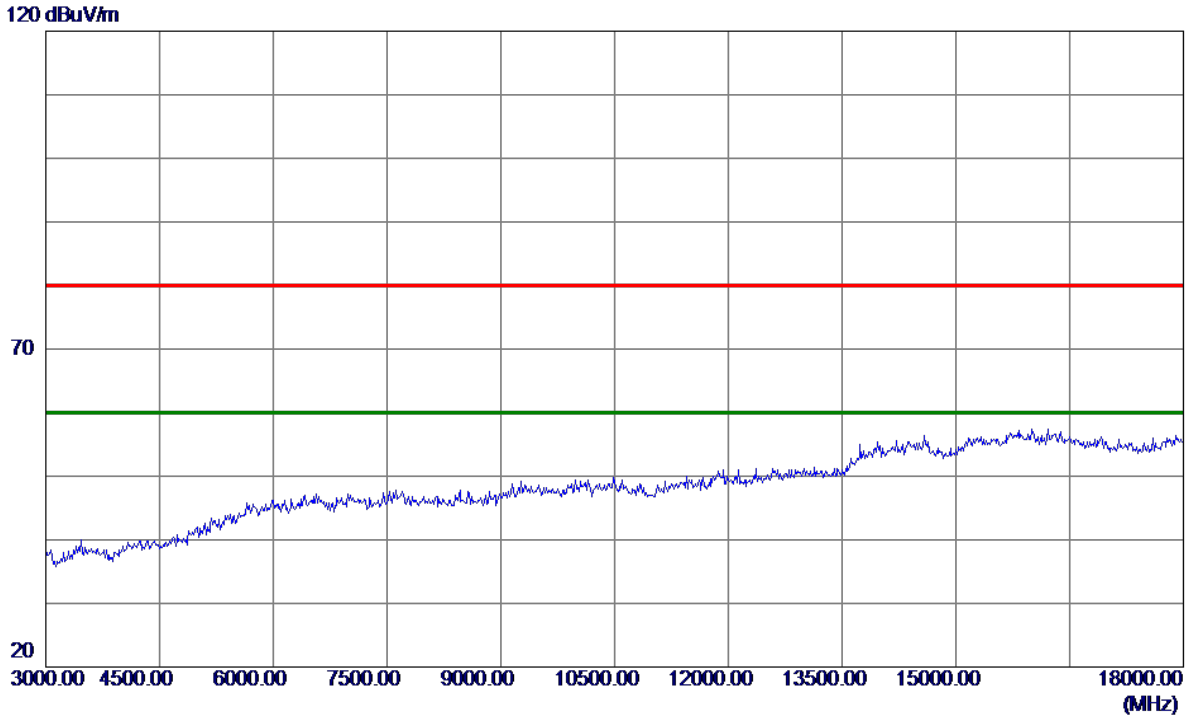
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2412	105		105	75	30		

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

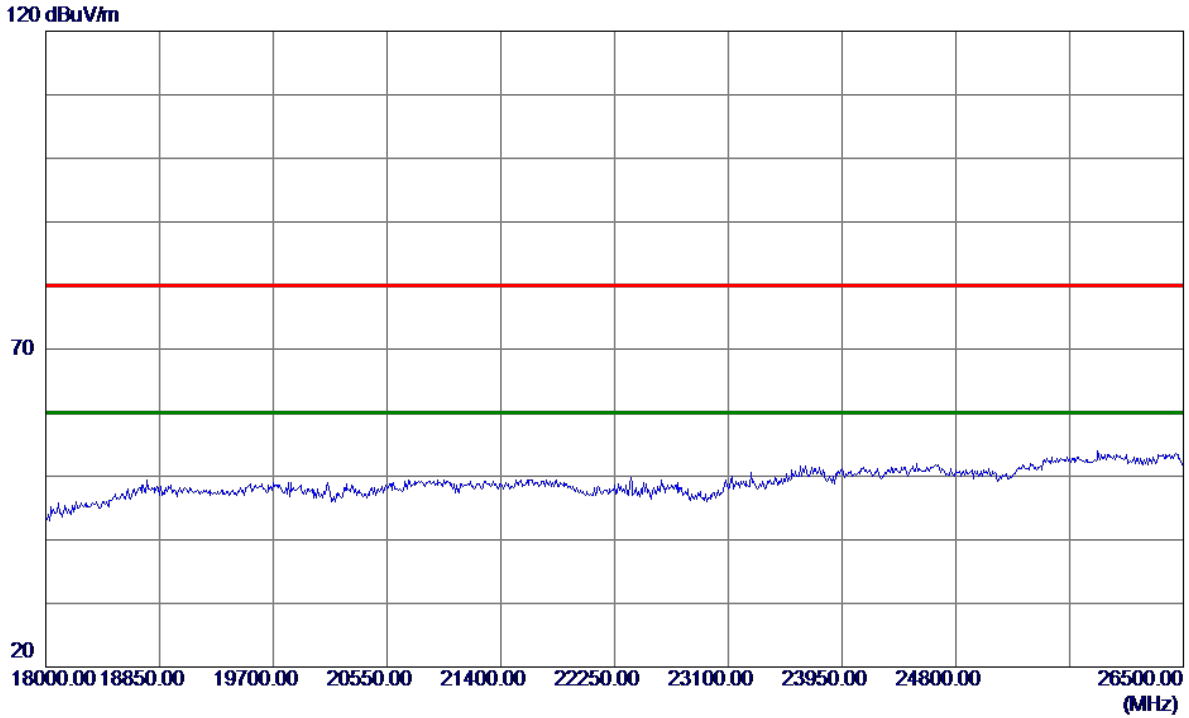
Horizontal



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

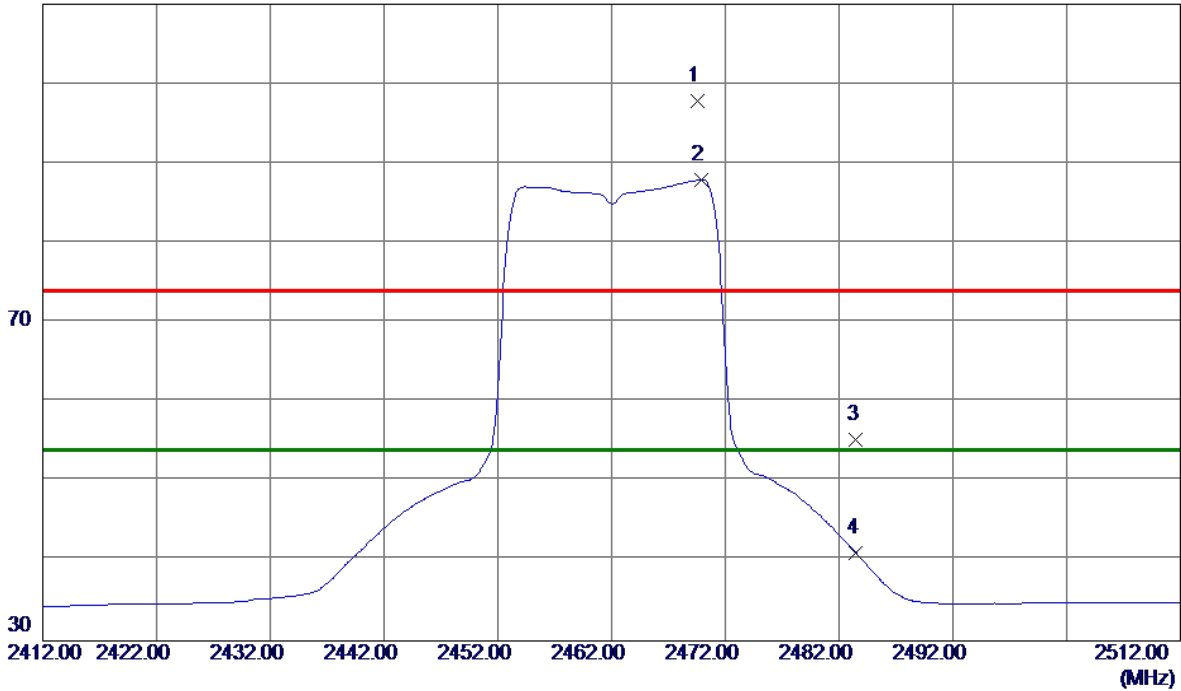


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
-----	--------------	----------------------------	-------------------------	---------------------------	-----------------	--------------	----------	---------

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

Vertical

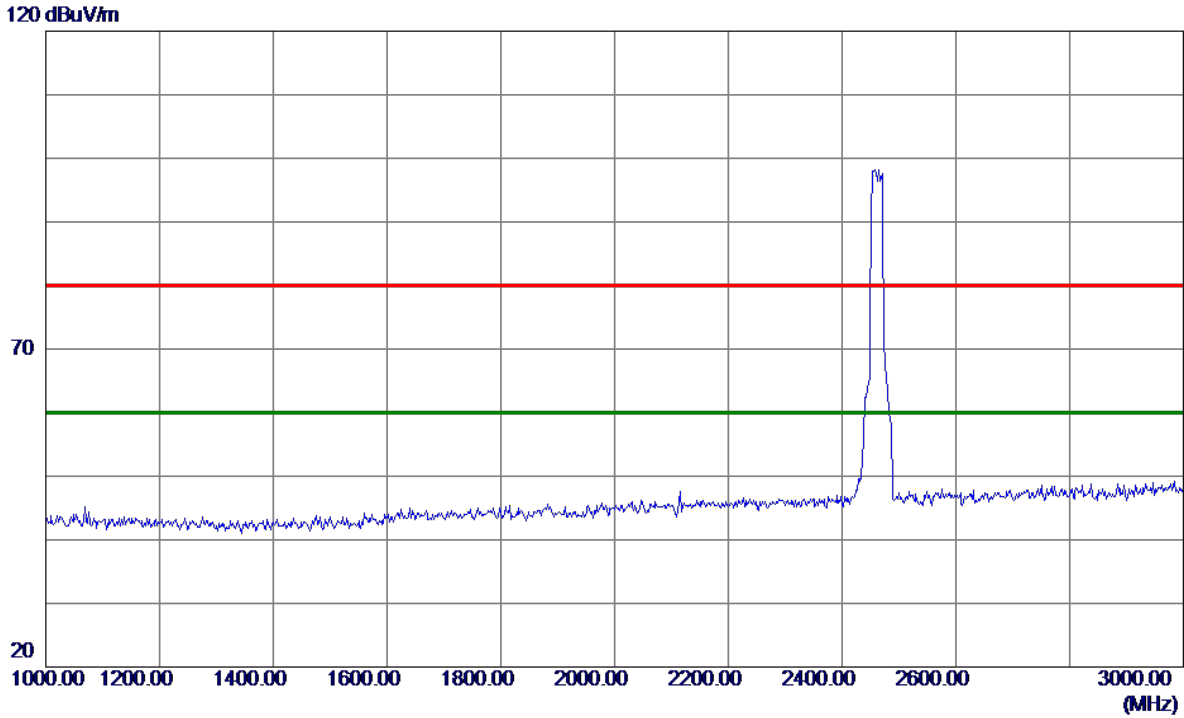
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2469.6000	64.45	33.36	97.81	74.00	23.81	Peak	No Limit
2 *	2469.9000	54.60	33.36	87.96	54.00	33.96	AVG	No Limit
3	2483.5000	21.87	33.41	55.28	74.00	-18.72	Peak	
4	2483.5000	7.62	33.41	41.03	54.00	-12.97	AVG	

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

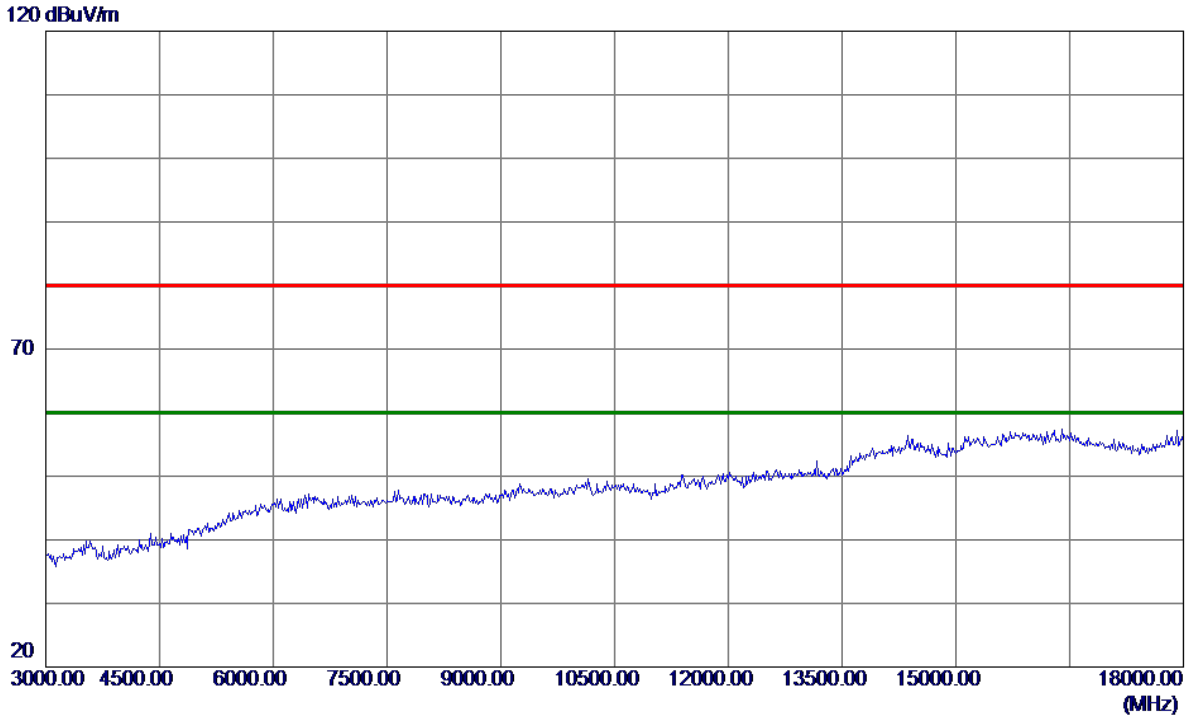
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2462	100		100	70	30		

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

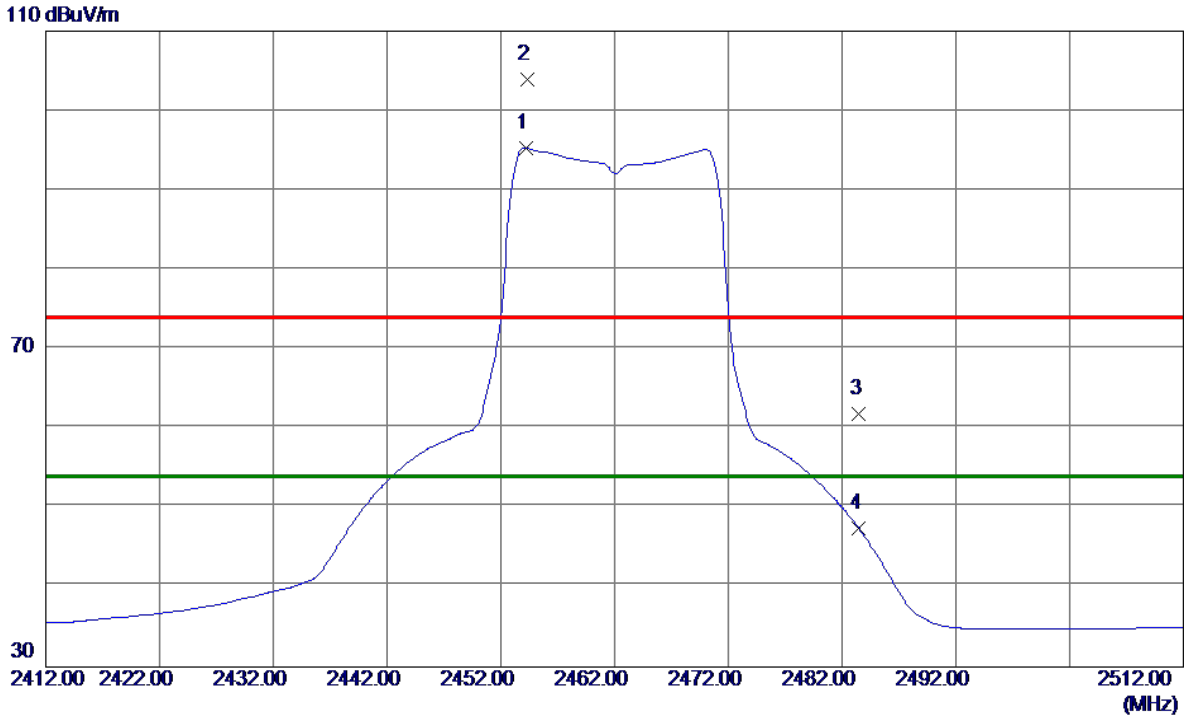
120 dBuV/m



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

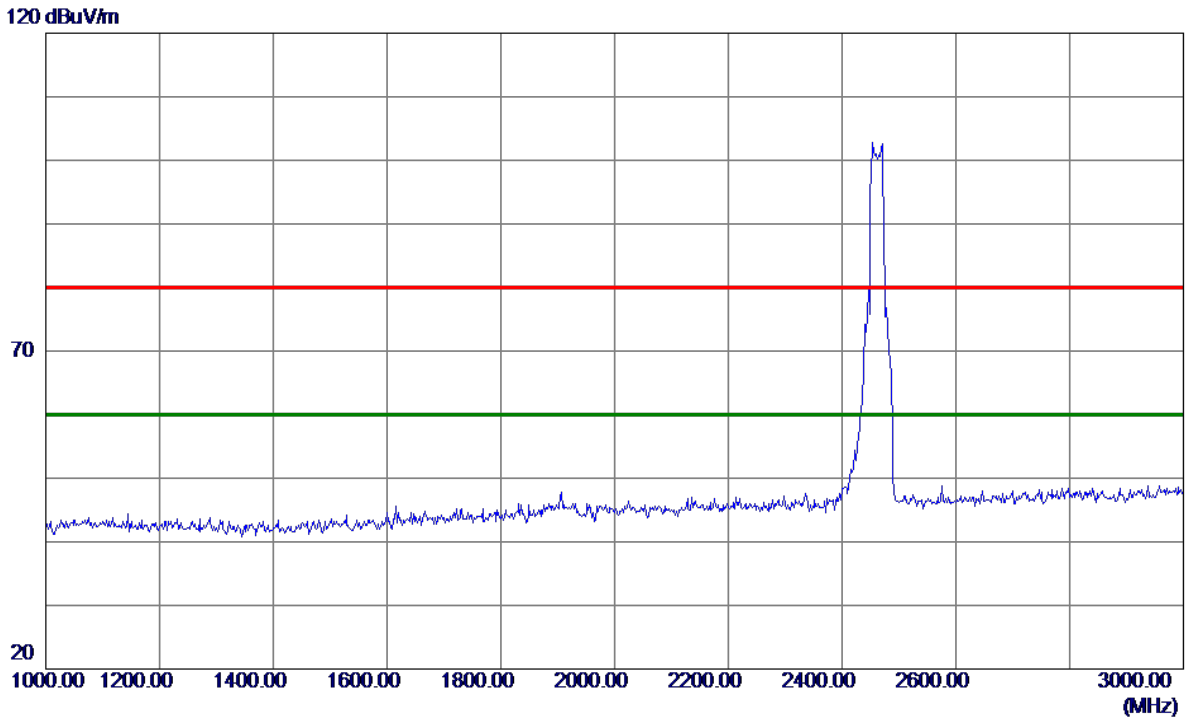
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2454.2000	62.05	33.30	95.35	54.00	41.35	AVG	No Limit
2	2454.3000	70.67	33.30	103.97	74.00	29.97	Peak	No Limit
3	2483.5000	28.48	33.41	61.89	74.00	-12.11	Peak	
4	2483.5000	14.01	33.41	47.42	54.00	-6.58	AVG	

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

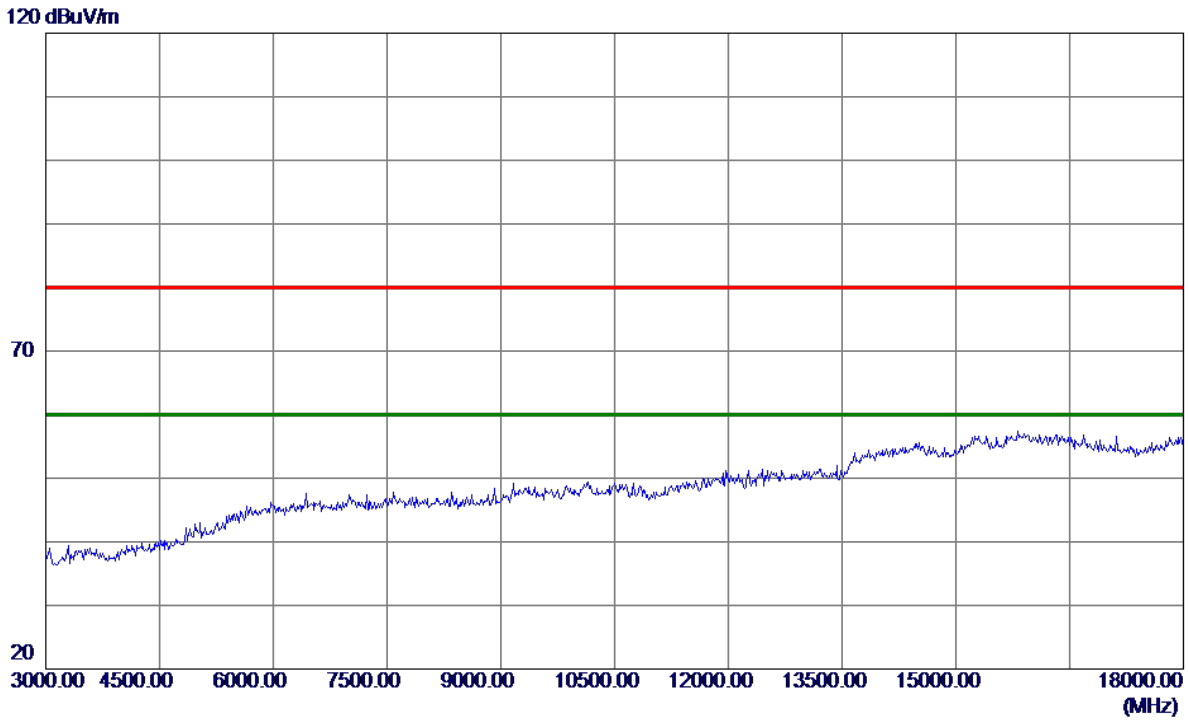
Horizontal



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

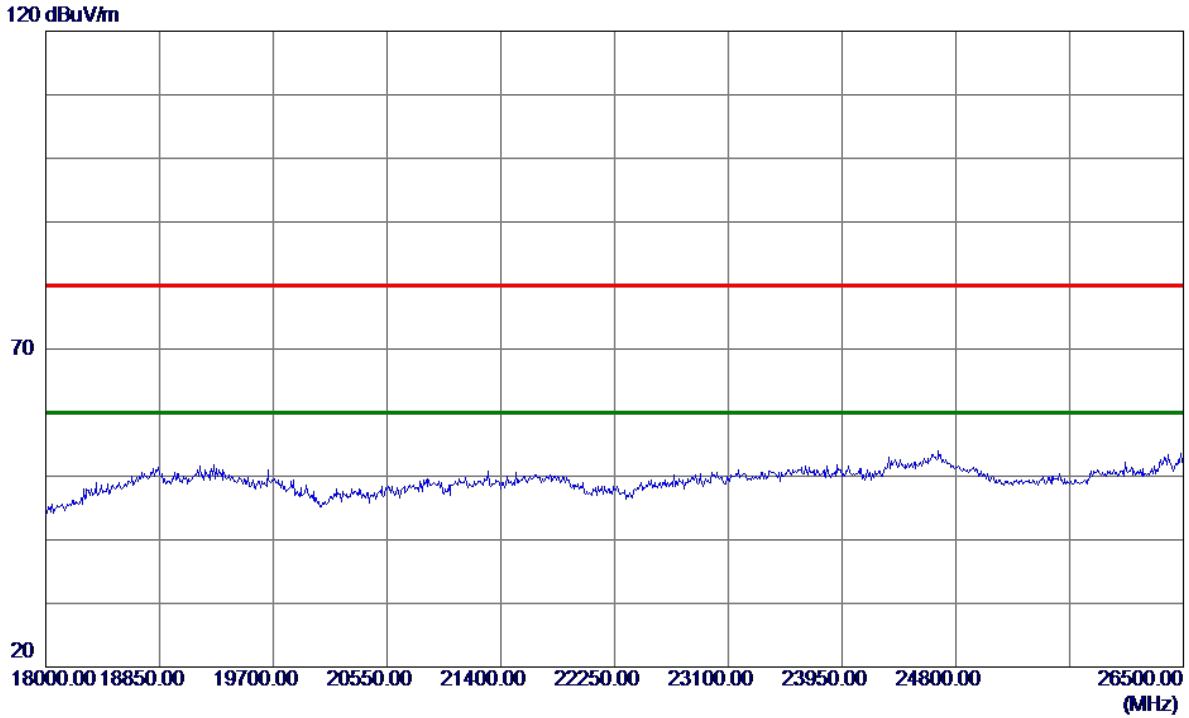
Horizontal



No.	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

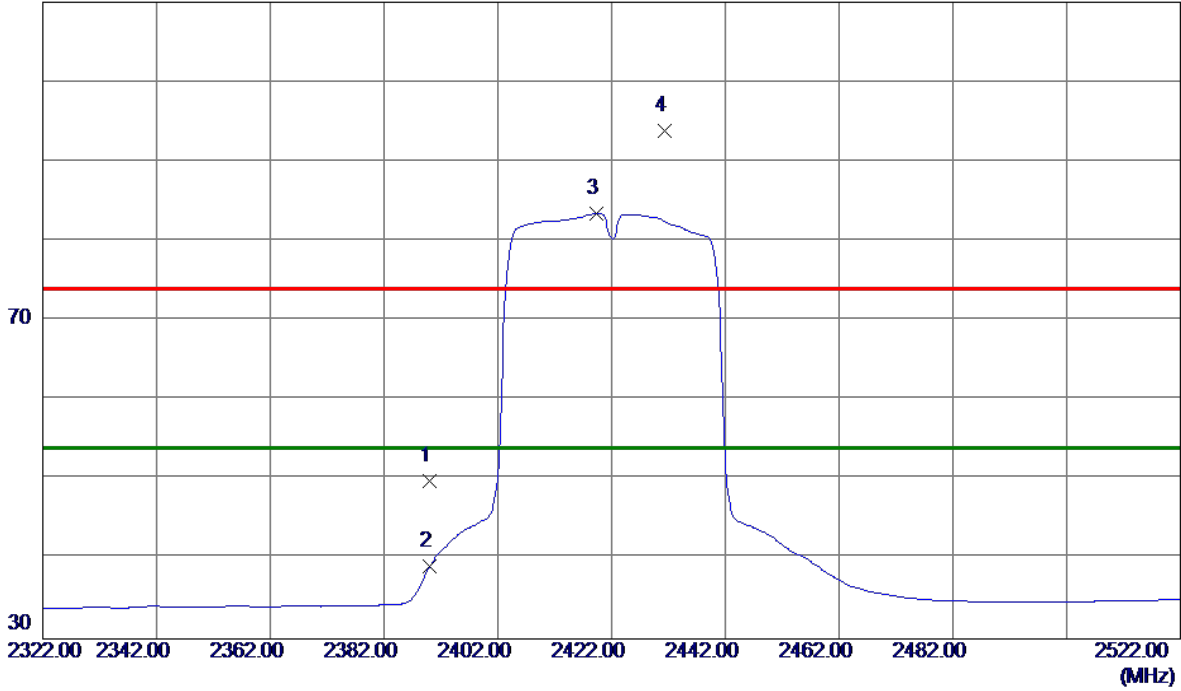


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

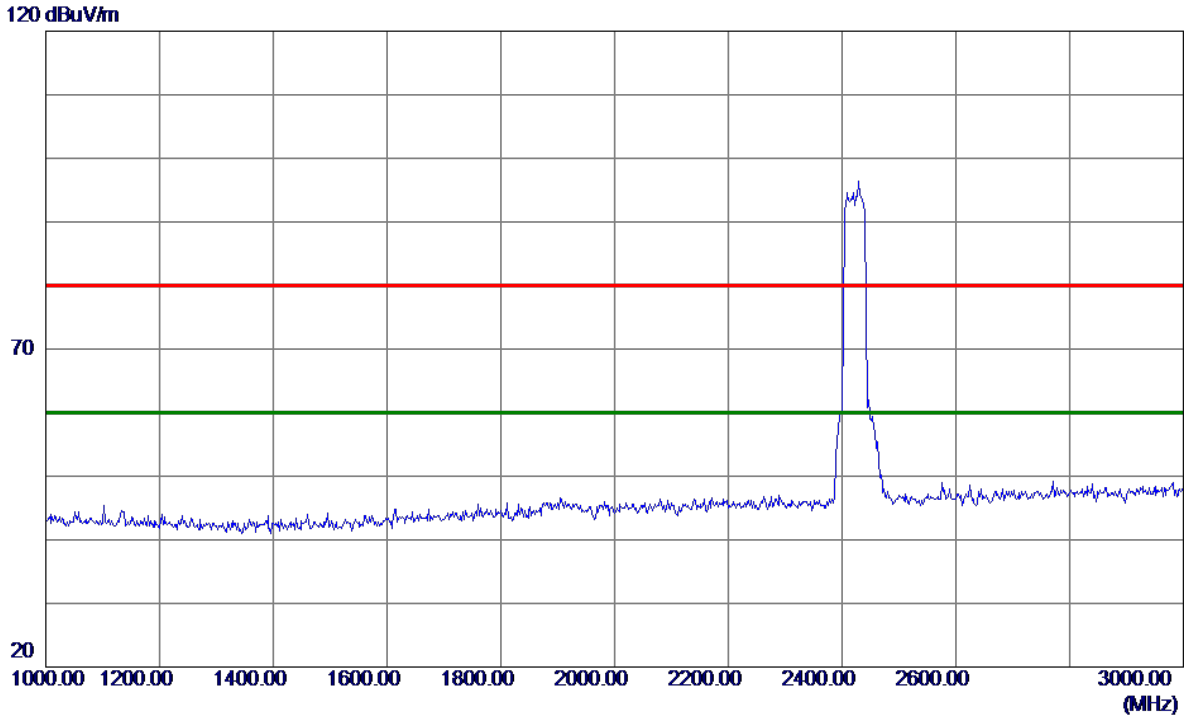
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	16.85	33.06	49.91	74.00	-24.09	Peak	
2	2390.0000	6.05	33.06	39.11	54.00	-14.89	AVG	
3 *	2419.4000	50.27	33.17	83.44	54.00	29.44	AVG	No Limit
4	2431.4000	60.58	33.21	93.79	74.00	19.79	Peak	No Limit

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

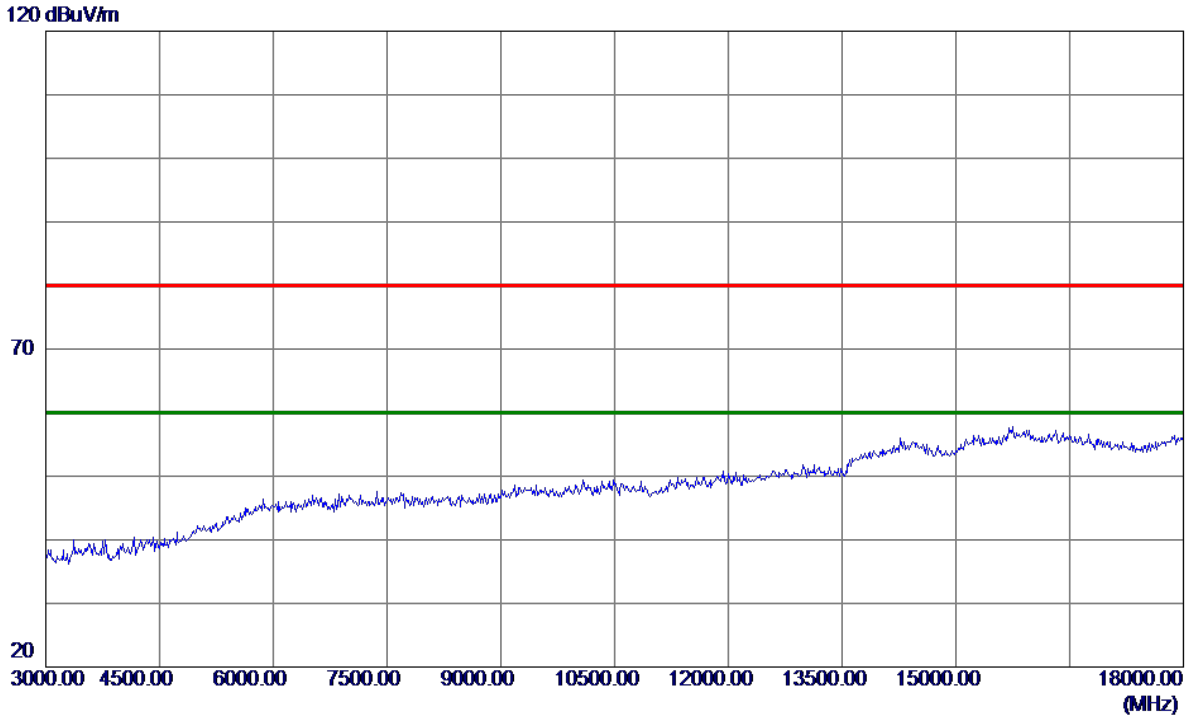
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2422	~100	0	~100	70	~30		

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

Vertical

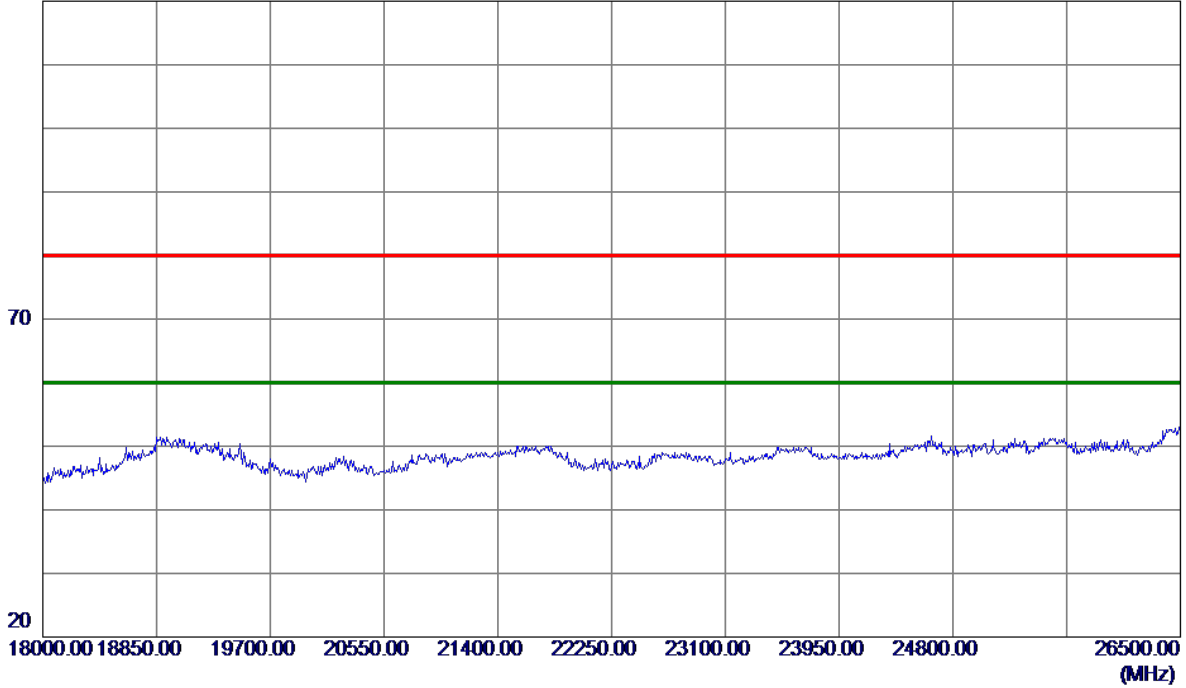


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

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

Vertical

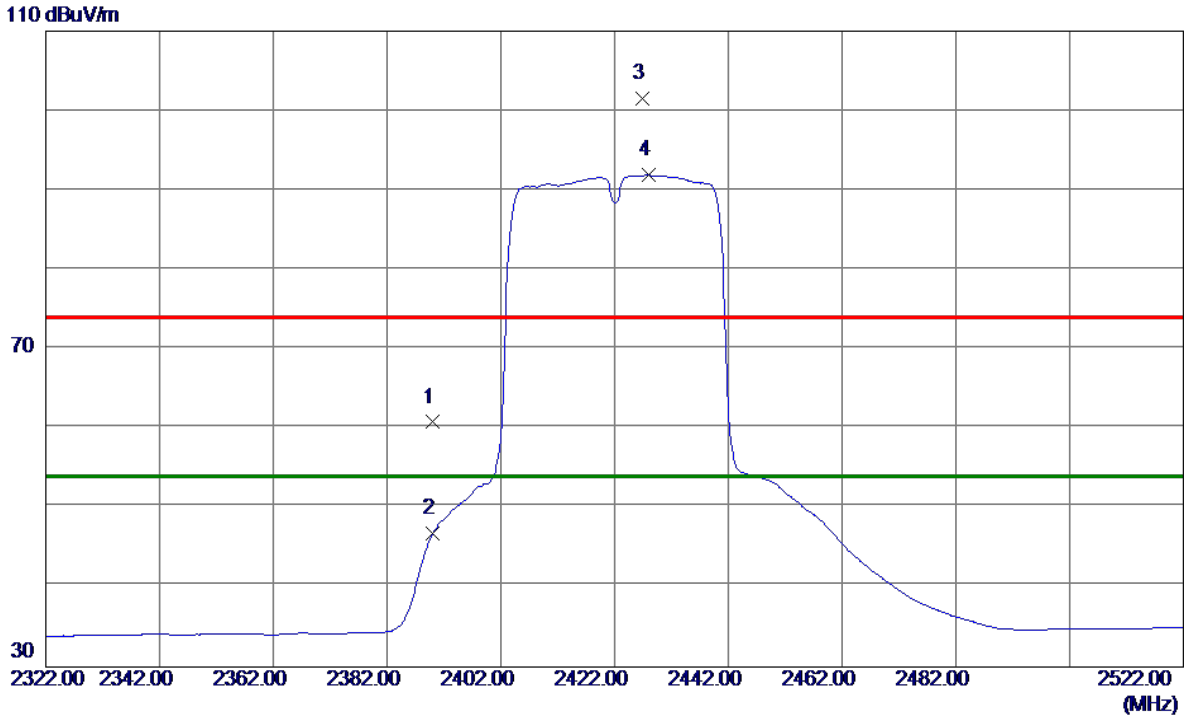
120 dBuV/m



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

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

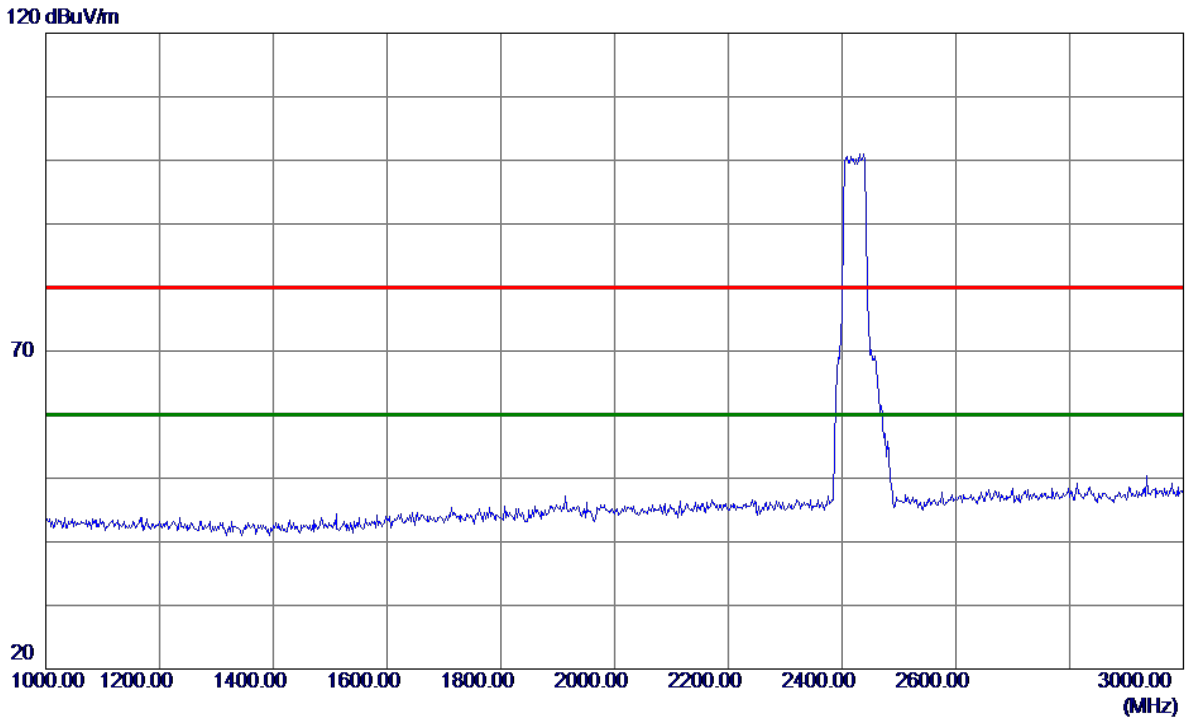
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	27.74	33.06	60.80	74.00	-13.20	Peak	
2	2390.0000	13.75	33.06	46.81	54.00	-7.19	AVG	
3	2426.8000	68.39	33.19	101.58	74.00	27.58	Peak	No Limit
4 *	2428.0000	58.66	33.20	91.86	54.00	37.86	AVG	No Limit

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

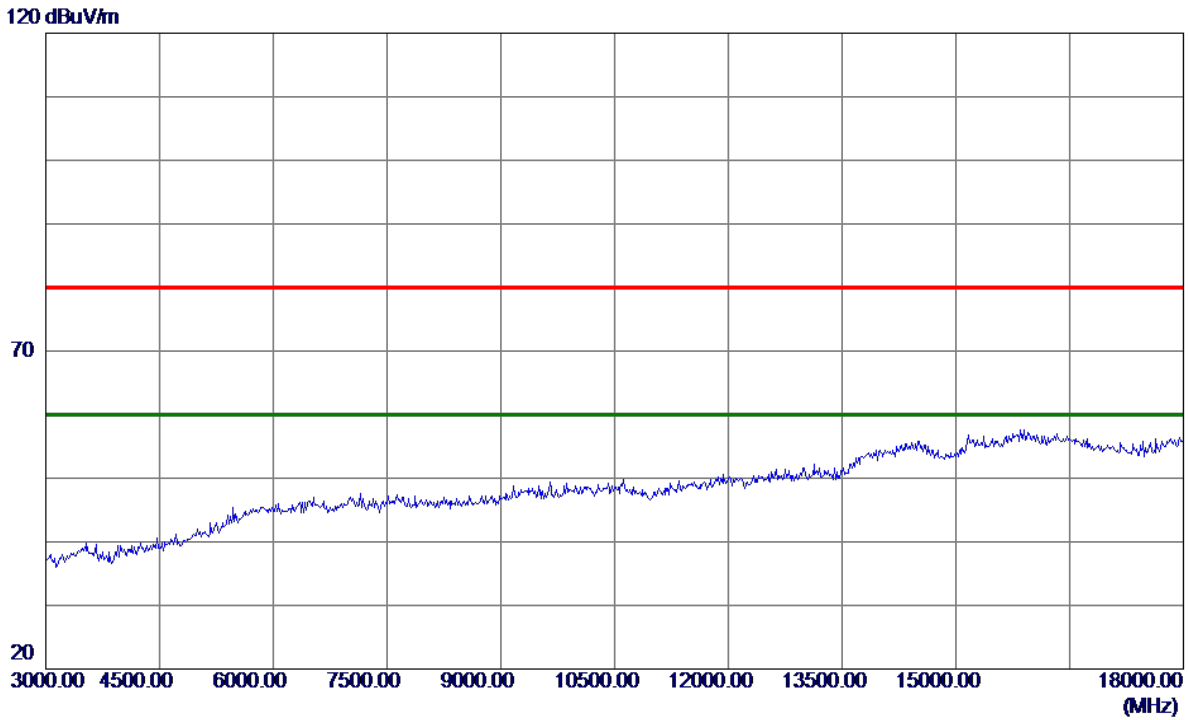
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2422	105		105	75	30		

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

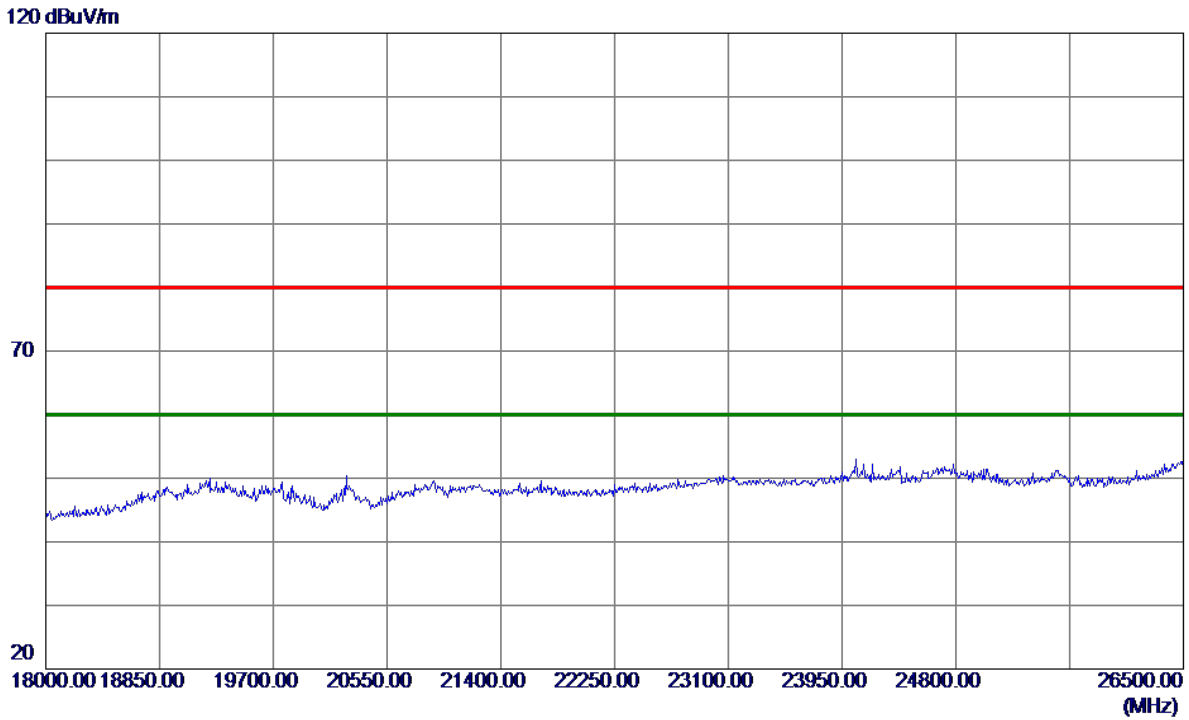
Horizontal



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

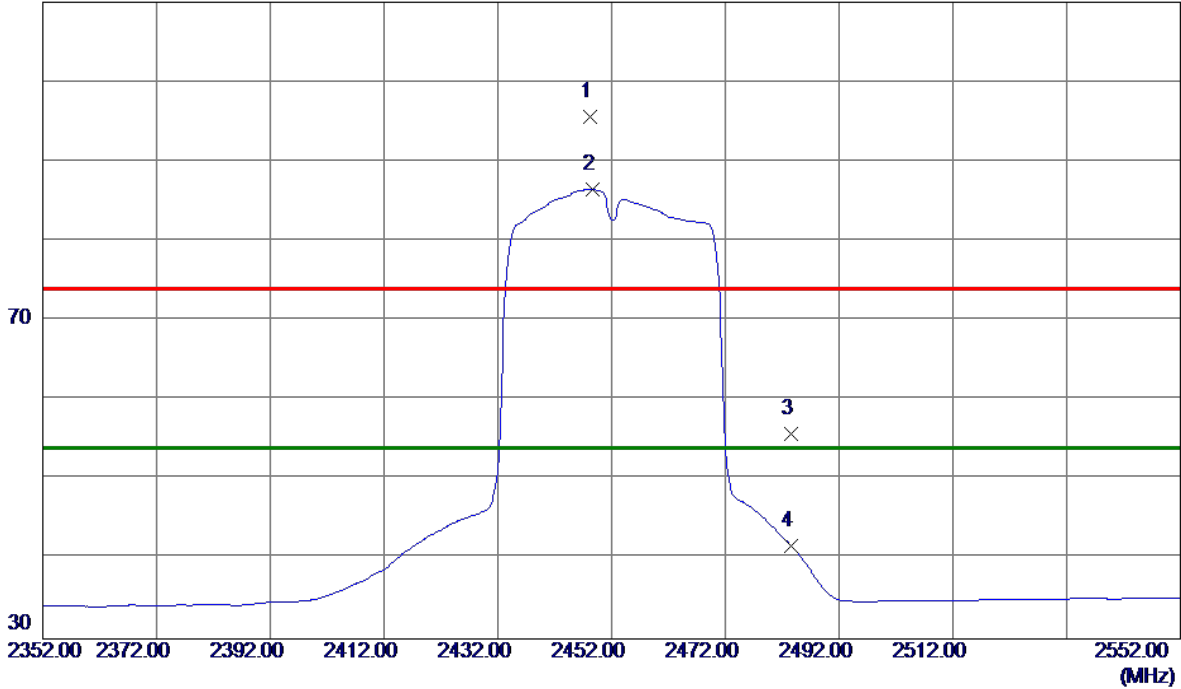


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

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

Vertical

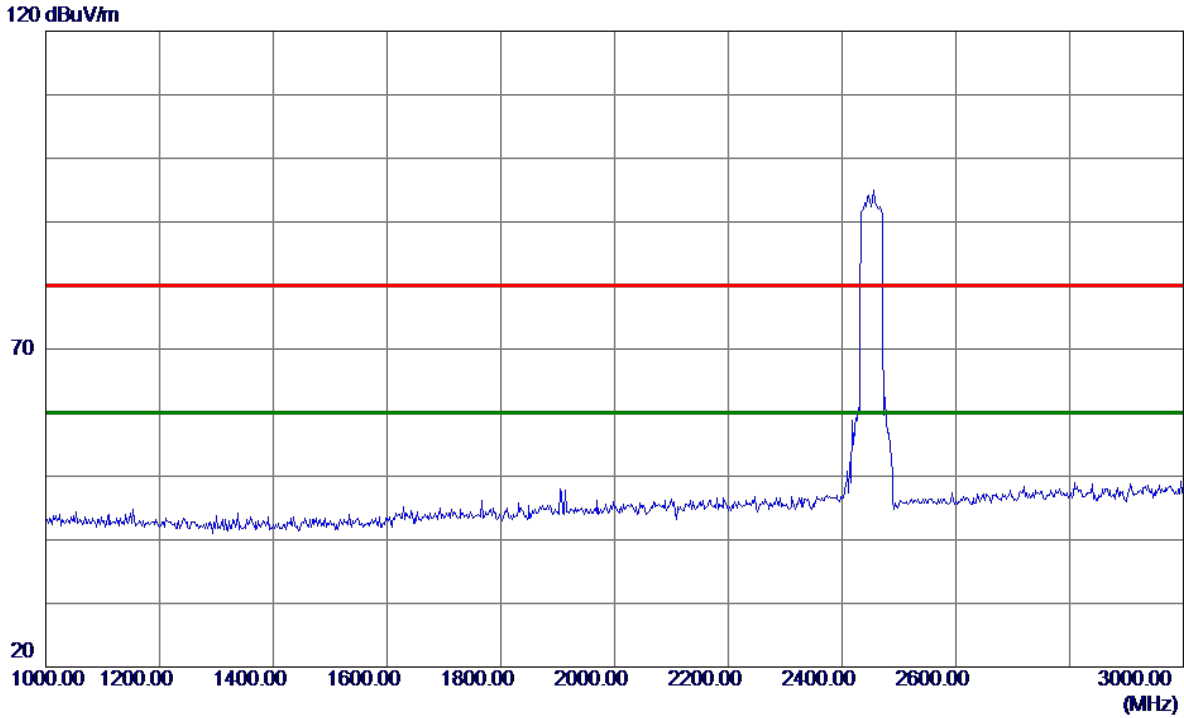
110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2448.2000	62.31	33.28	95.59	74.00	21.59	Peak	No Limit
2 *	2448.6000	53.16	33.28	86.44	54.00	32.44	AVG	No Limit
3	2483.5000	22.40	33.41	55.81	74.00	-18.19	Peak	
4	2483.5000	8.30	33.41	41.71	54.00	-12.29	AVG	

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

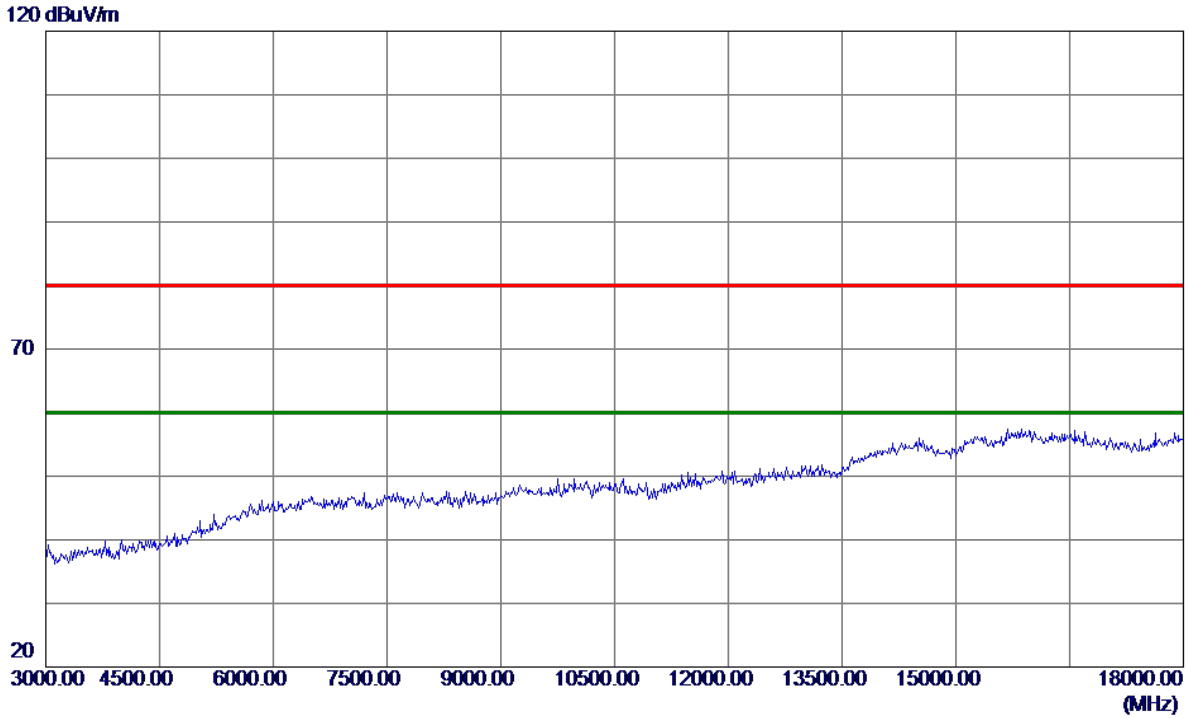
Vertical



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

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

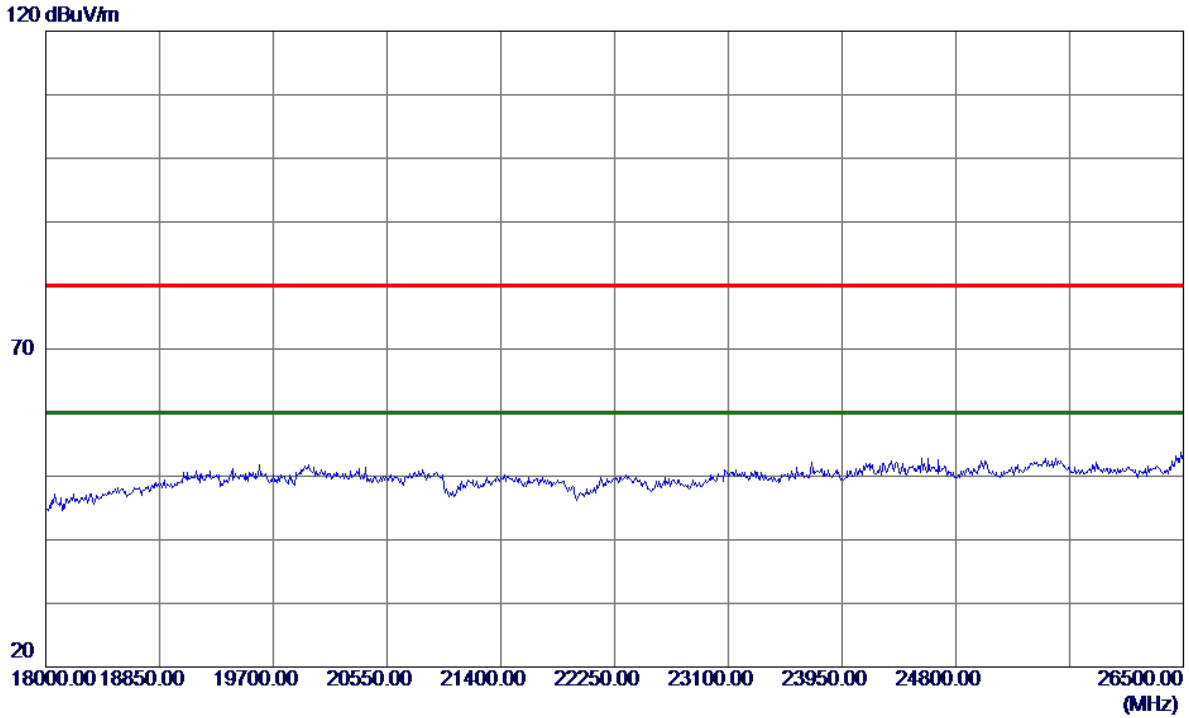
Vertical



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

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

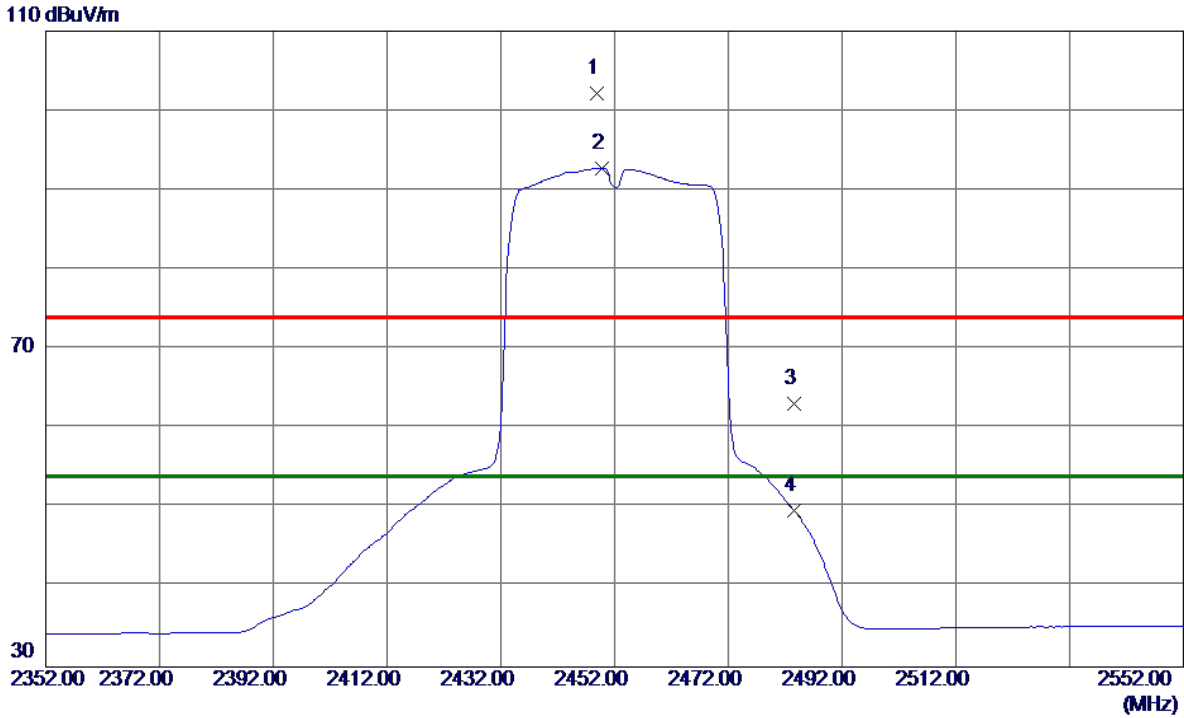
Vertical



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

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

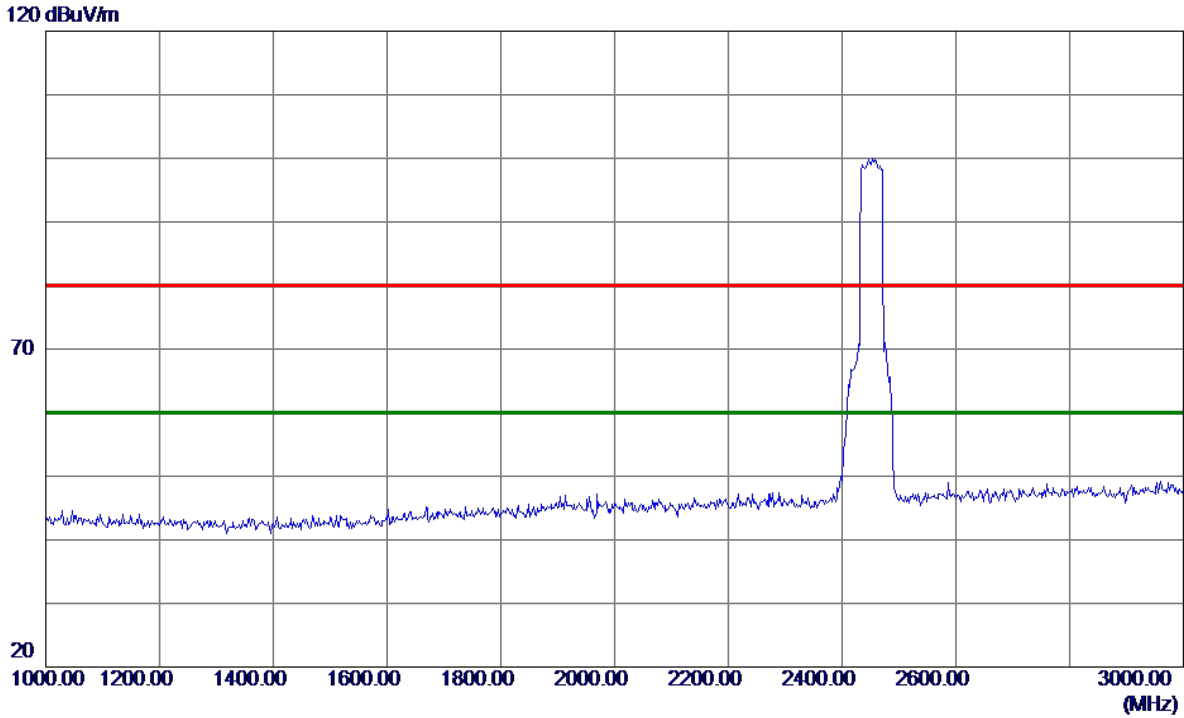
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2448.8000	68.95	33.28	102.23	74.00	28.23	Peak	No Limit
2 *	2449.8000	59.51	33.28	92.79	54.00	38.79	AVG	No Limit
3	2483.5000	29.69	33.41	63.10	74.00	-10.90	Peak	
4	2483.5000	16.25	33.41	49.66	54.00	-4.34	AVG	

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

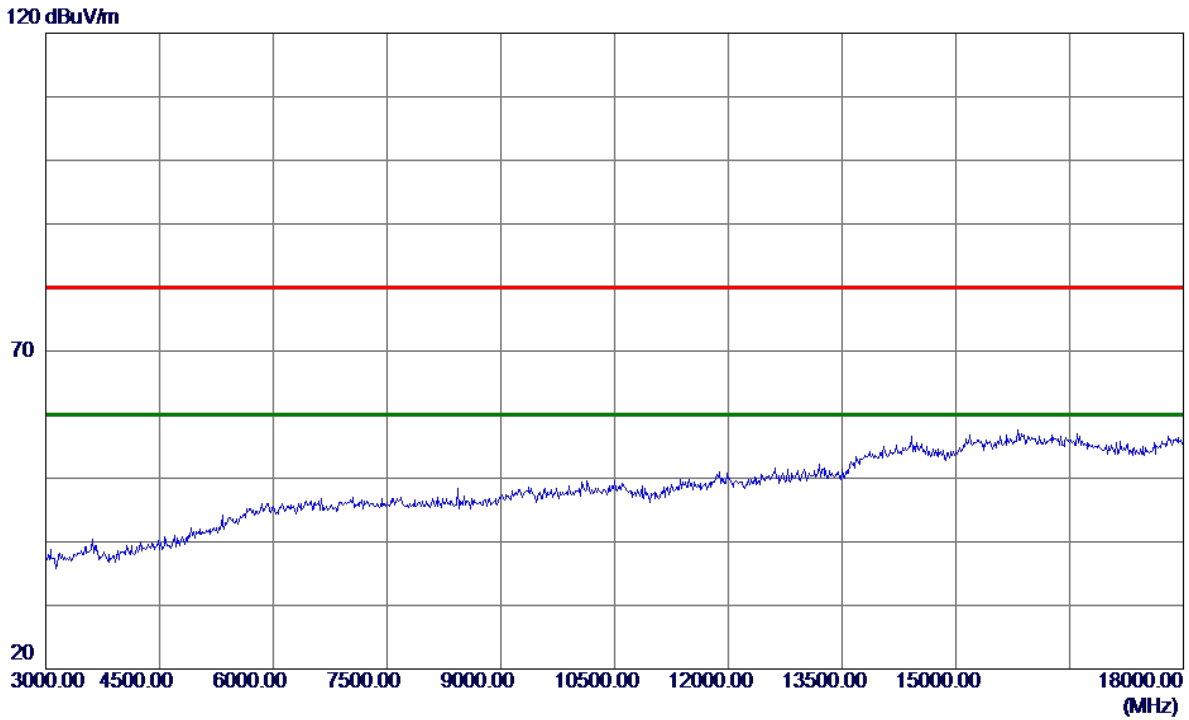
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2452	110		110	120	10		

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

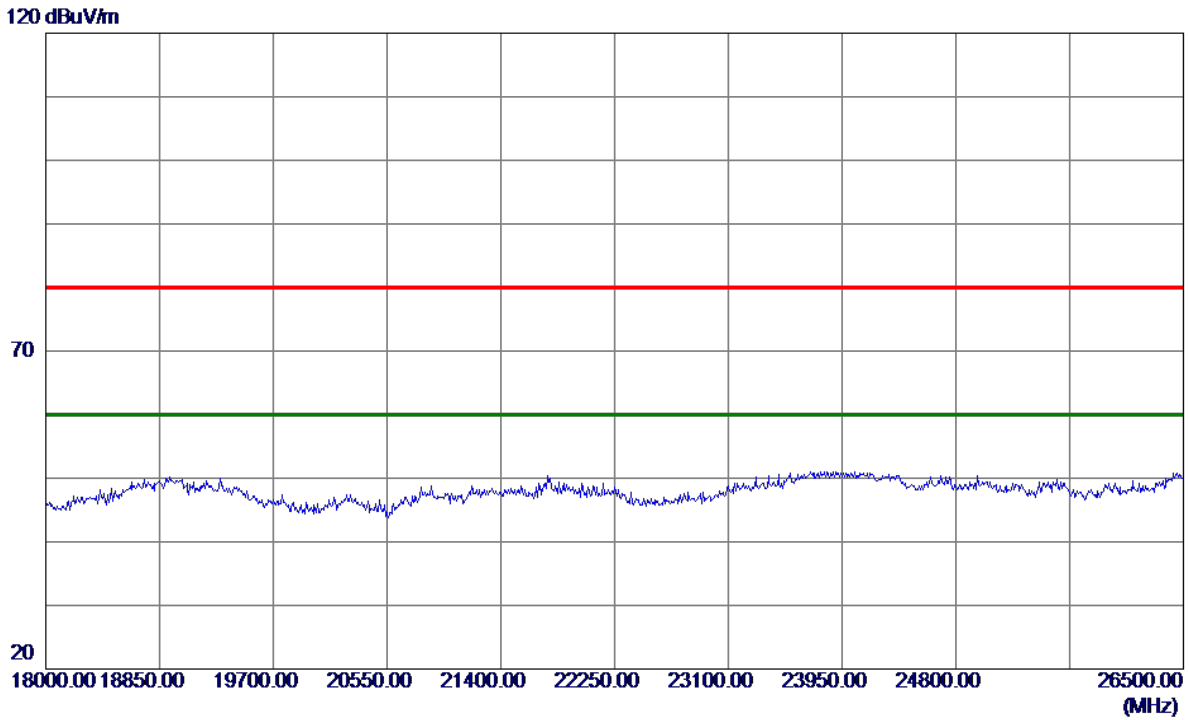
Horizontal



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

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

Horizontal



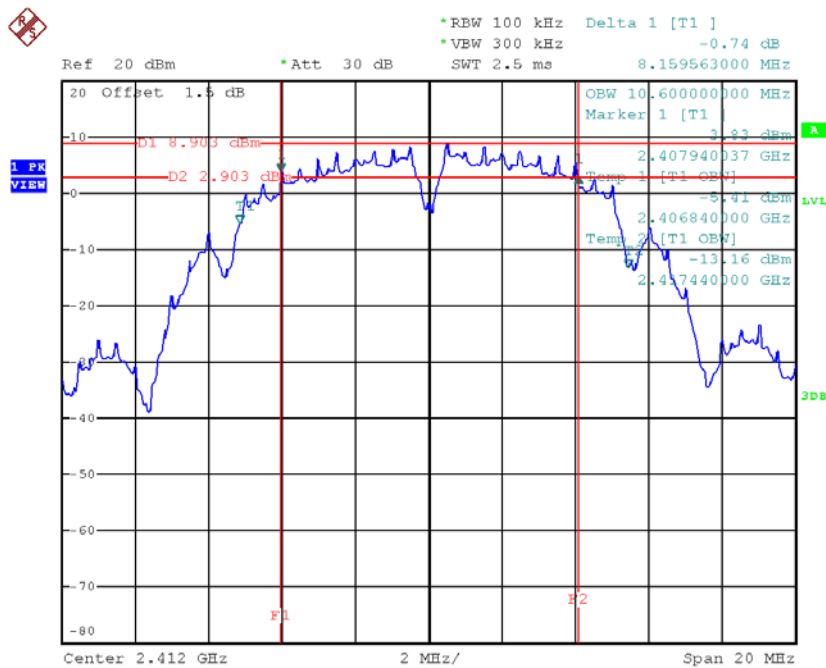
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

APPENDIX E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

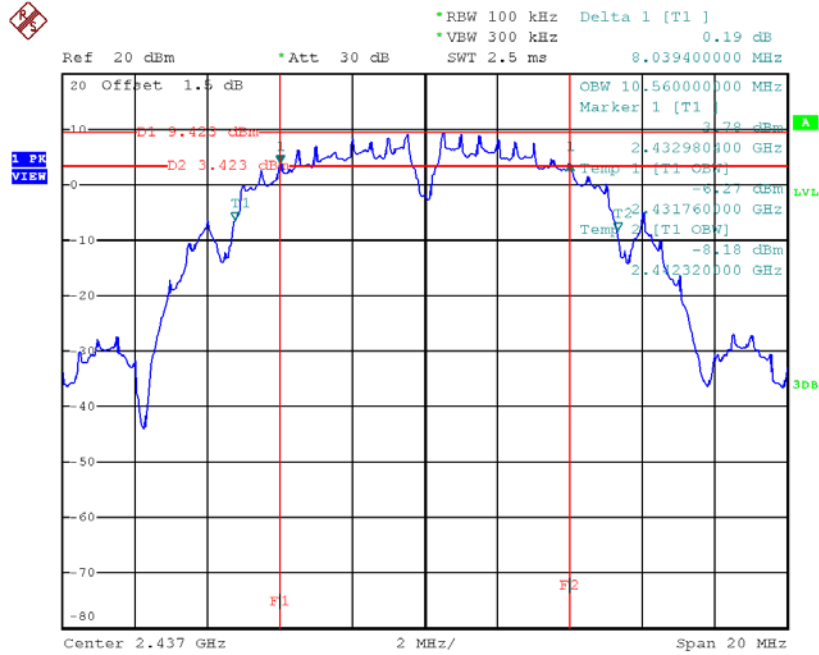
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	8.16	10.6	500	Complies
2437	8.04	10.56	500	Complies
2462	8.11	10.8	500	Complies

TX CH01



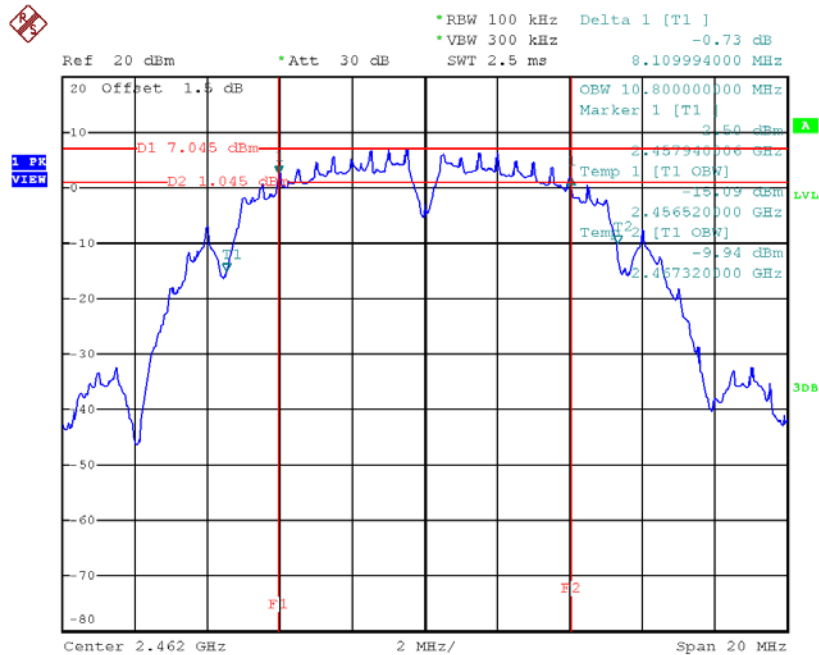
Date: 27.DEC.2017 19:19:46

TX CH06



Date: 27.DEC.2017 19:21:32

TX CH11

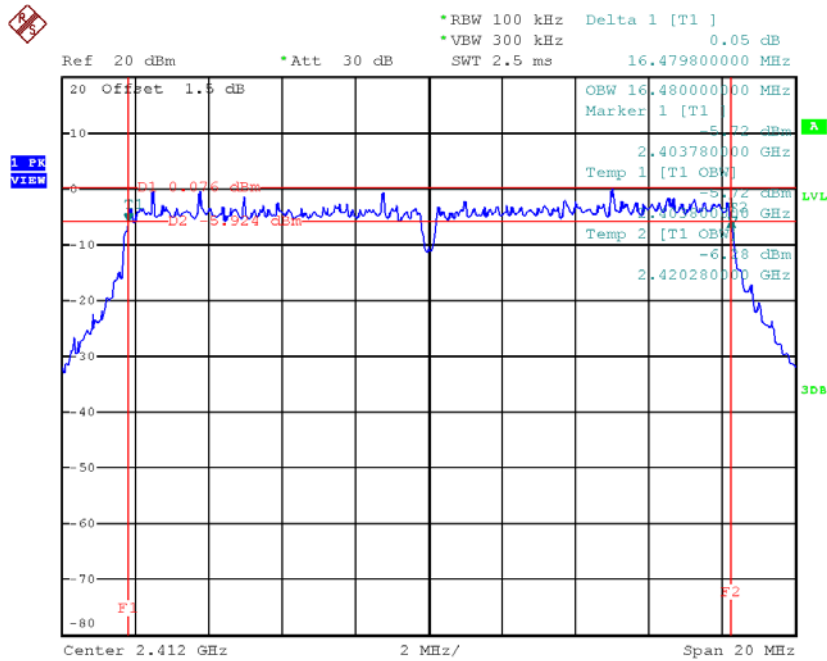


Date: 27.DEC.2017 19:23:11

Test Mode: TX G Mode_CH01/06/11

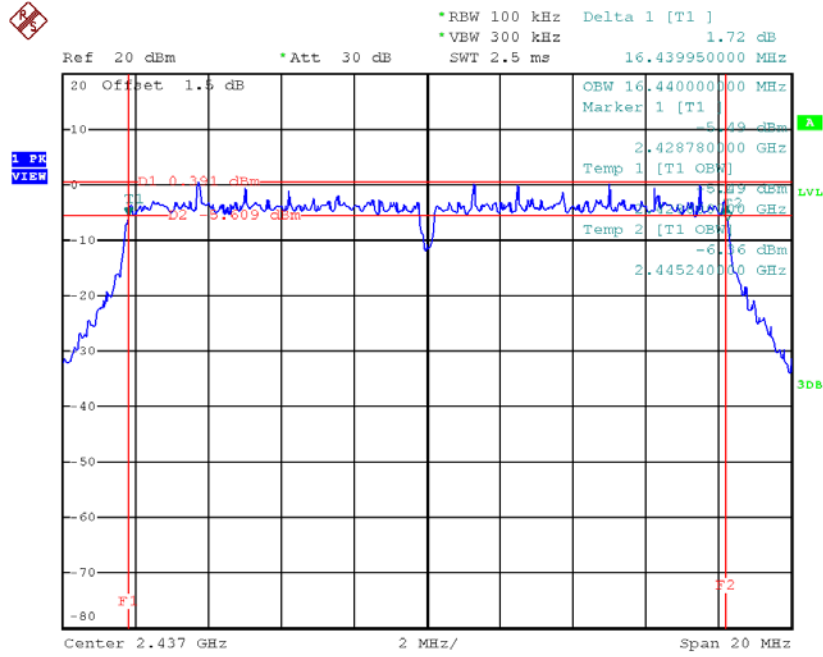
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.48	16.48	500	Complies
2437	16.44	16.44	500	Complies
2462	16.5	16.44	500	Complies

TX CH01



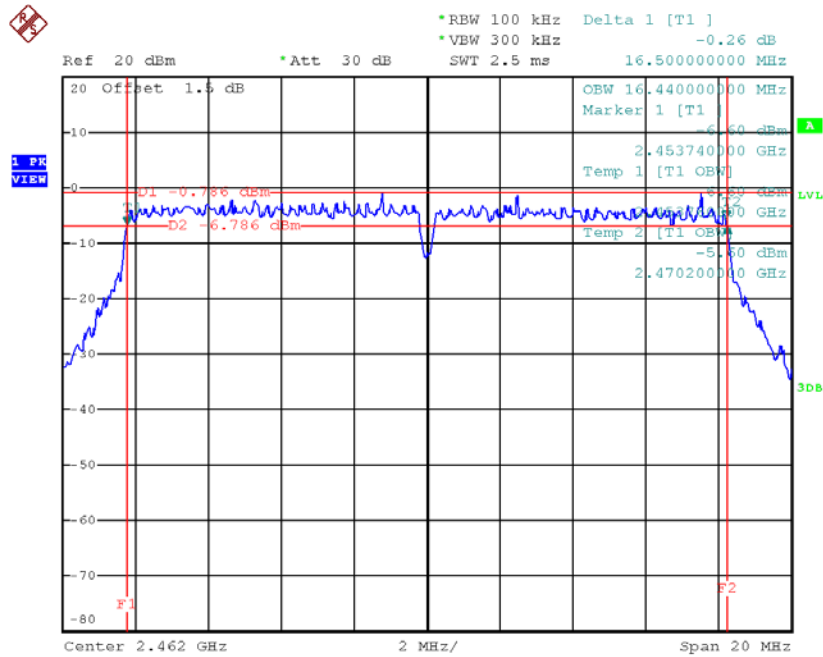
Date: 15.JAN.2018 08:52:37

TX CH06



Date: 15.JAN.2018 08:53:44

TX CH11

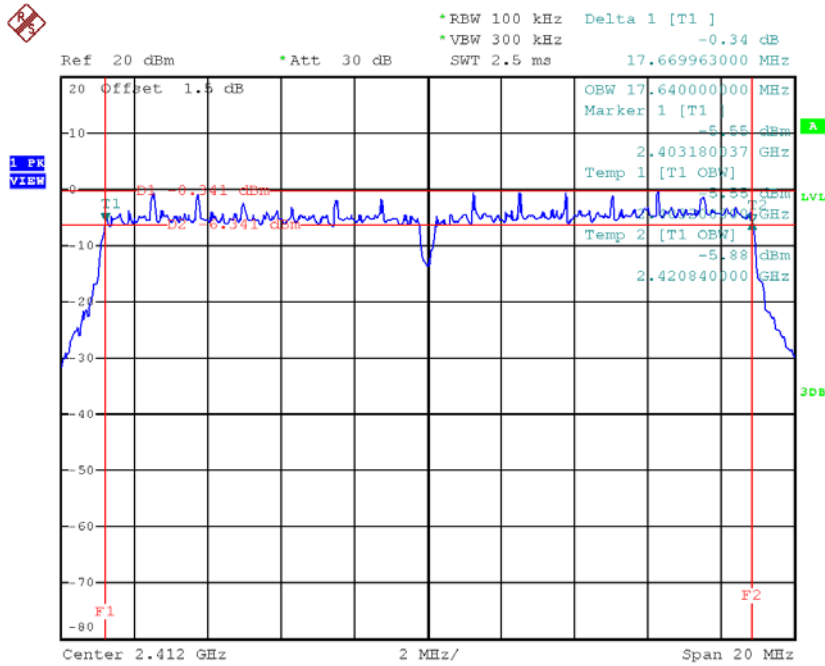


Date: 15.JAN.2018 08:54:53

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

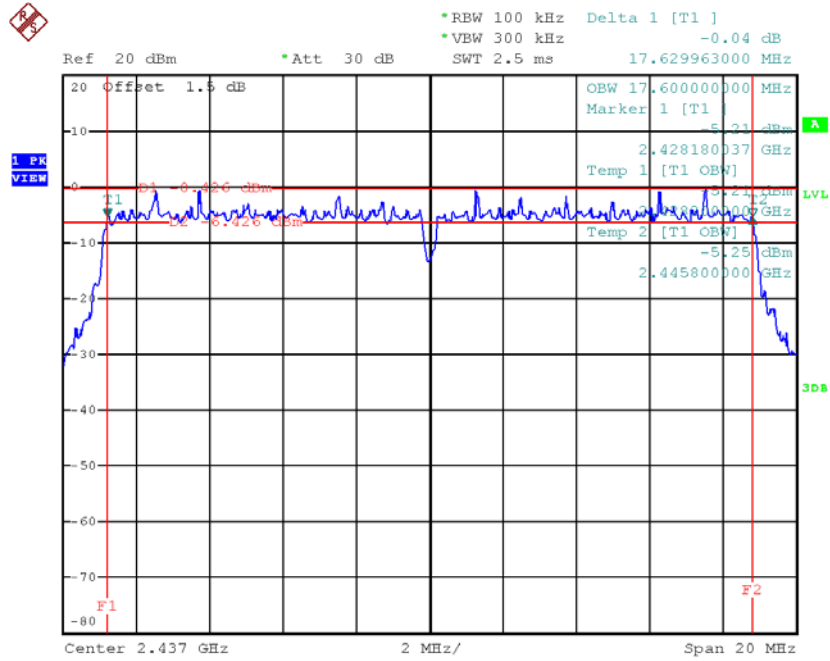
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.67	17.64	500	Complies
2437	17.63	17.6	500	Complies
2462	17.62	17.6	500	Complies

TX CH01



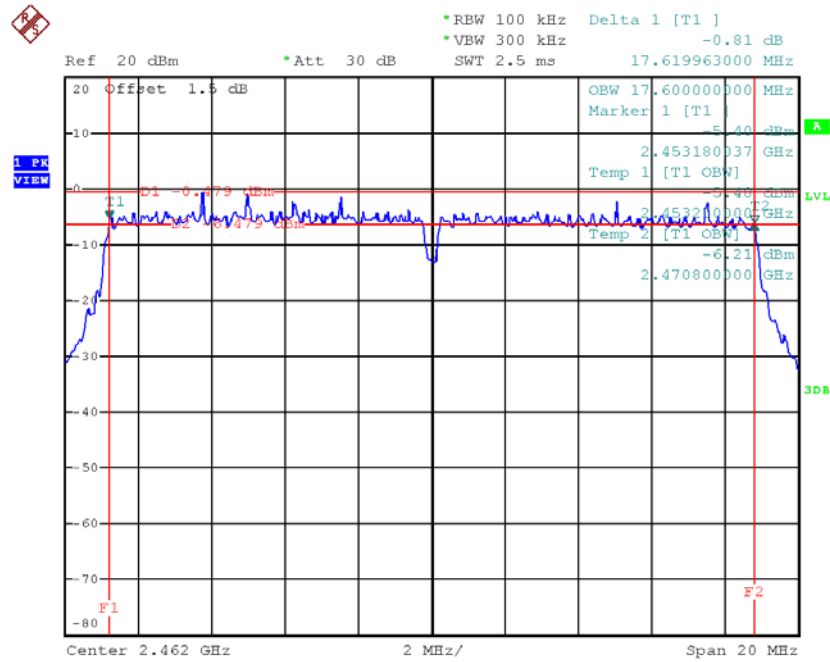
Date: 15.JAN.2018 08:57:46

TX CH06



Date: 15.JAN.2018 08:59:11

TX CH11

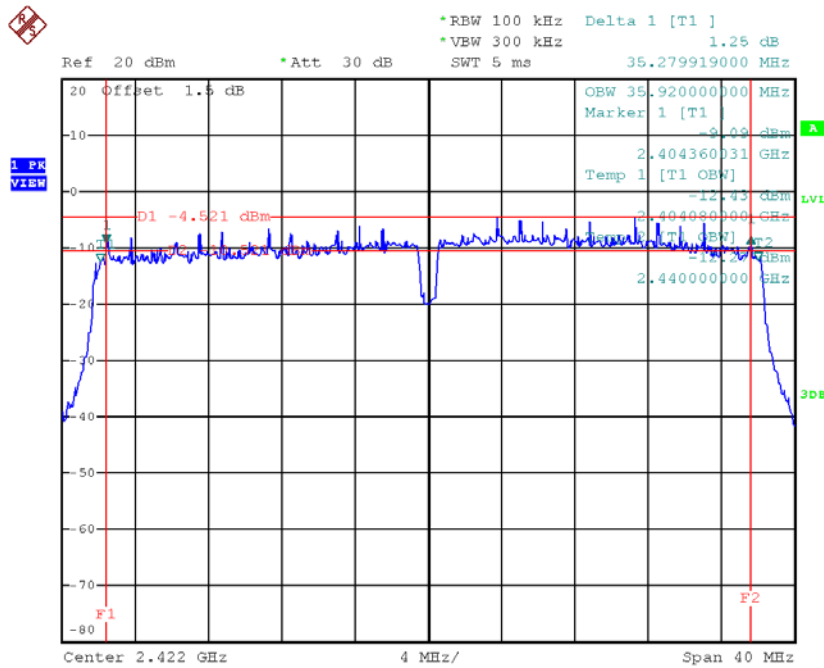


Date: 15.JAN.2018 09:00:21

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

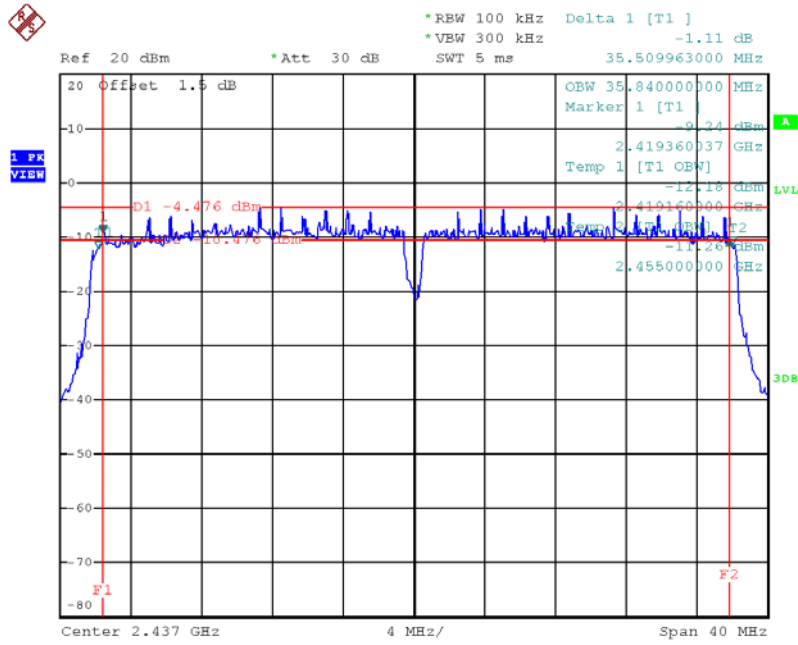
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.28	35.92	500	Complies
2437	35.51	35.84	500	Complies
2452	35.2	35.84	500	Complies

TX CH03



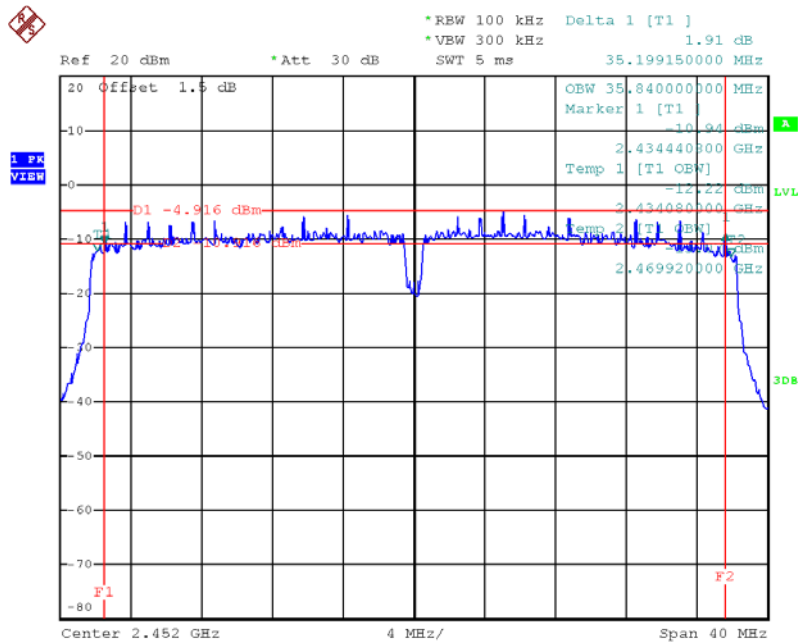
Date: 15.JAN.2018 09:03:38

TX CH06



Date: 15.JAN.2018 09:04:45

TX CH09



Date: 15.JAN.2018 09:10:40

APPENDIX 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	20.47	0.11	30.00	1.00	Complies
2437	20.68	0.12	30.00	1.00	Complies
2462	20.67	0.12	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.90	0.15	30.00	1.00	Complies
2437	22.21	0.17	30.00	1.00	Complies
2462	21.78	0.15	30.00	1.00	Complies

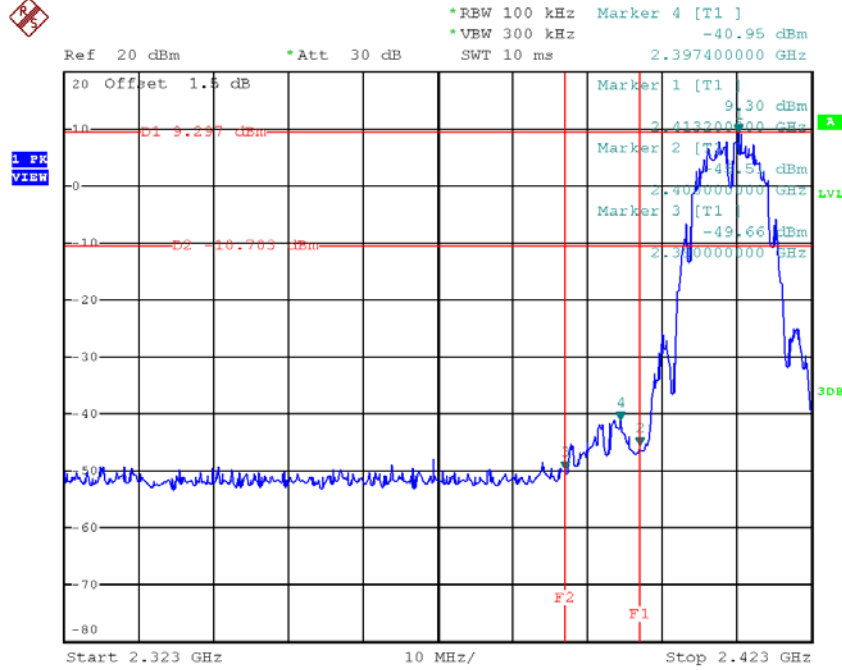
Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.54	0.14	30.00	1.00	Complies
2437	21.79	0.15	30.00	1.00	Complies
2462	21.47	0.14	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	20.46	0.11	30.00	1.00	Complies
2437	19.86	0.10	30.00	1.00	Complies
2452	20.15	0.10	30.00	1.00	Complies

APPENDIX G - ANTENNA CONDUCTED SPURIOUS EMISSION

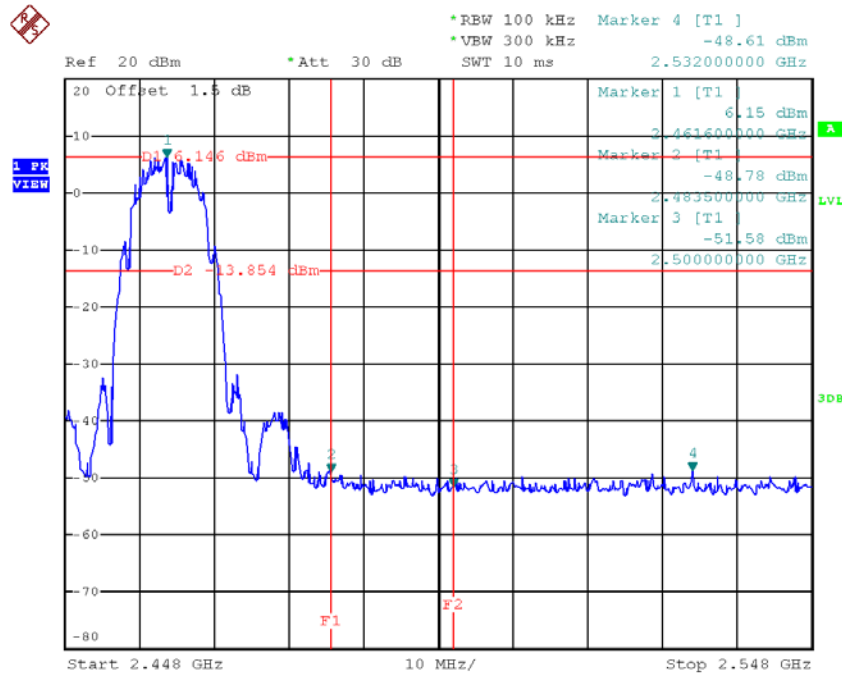
Test Mode : TX B Mode

TX B mode CH01



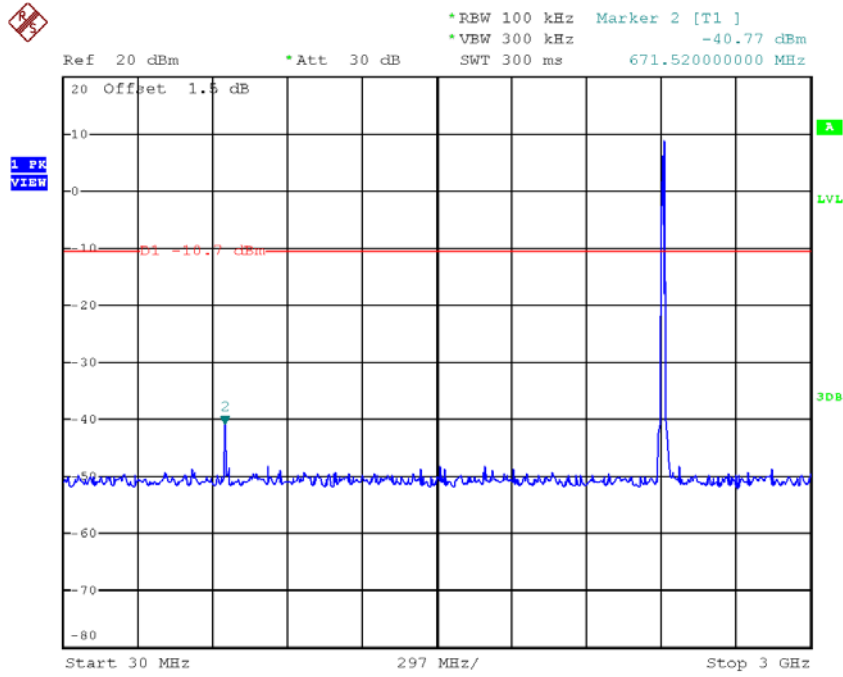
Date: 27.DEC.2017 19:19:54

TX B mode CH11

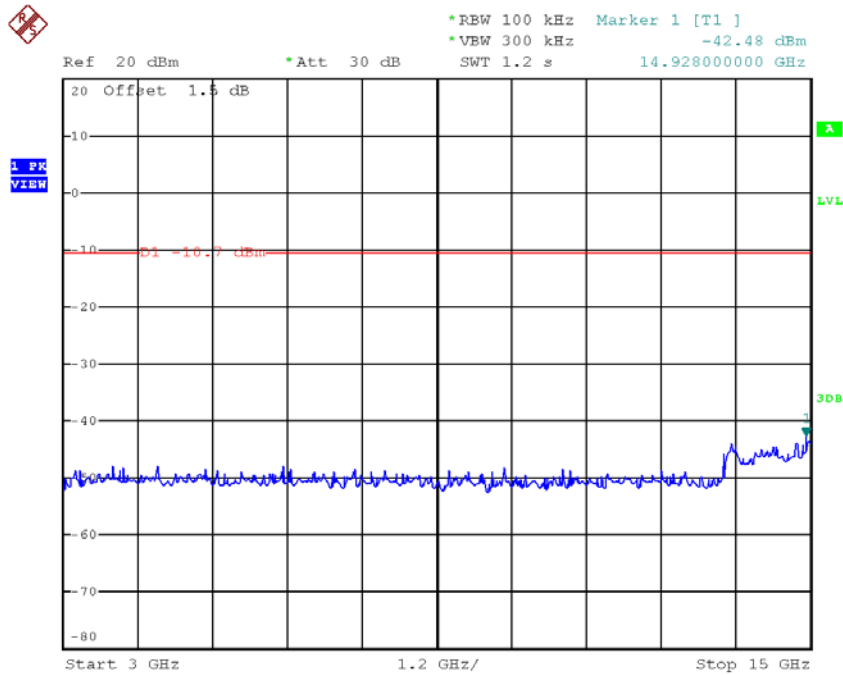


Date: 27.DEC.2017 19:23:19

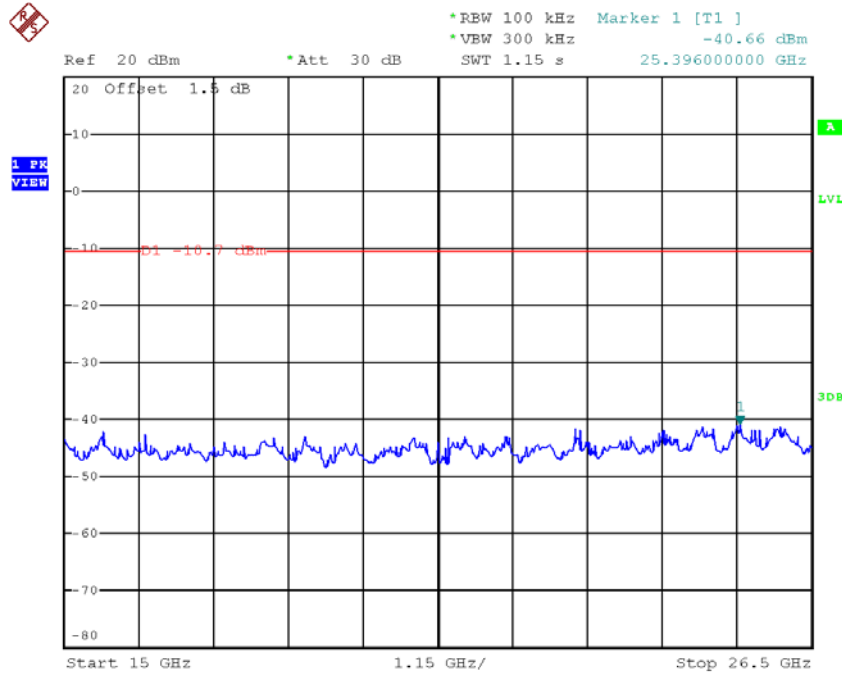
TX B mode CH01 (10 Harmonic of the frequency)



Date: 27.DEC.2017 19:20:07

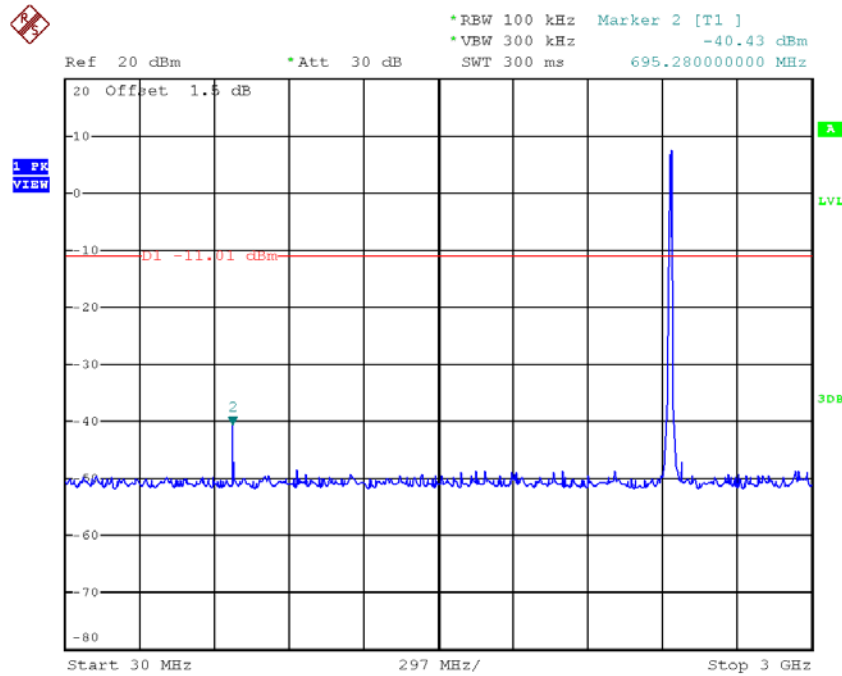


Date: 27.DEC.2017 19:20:15

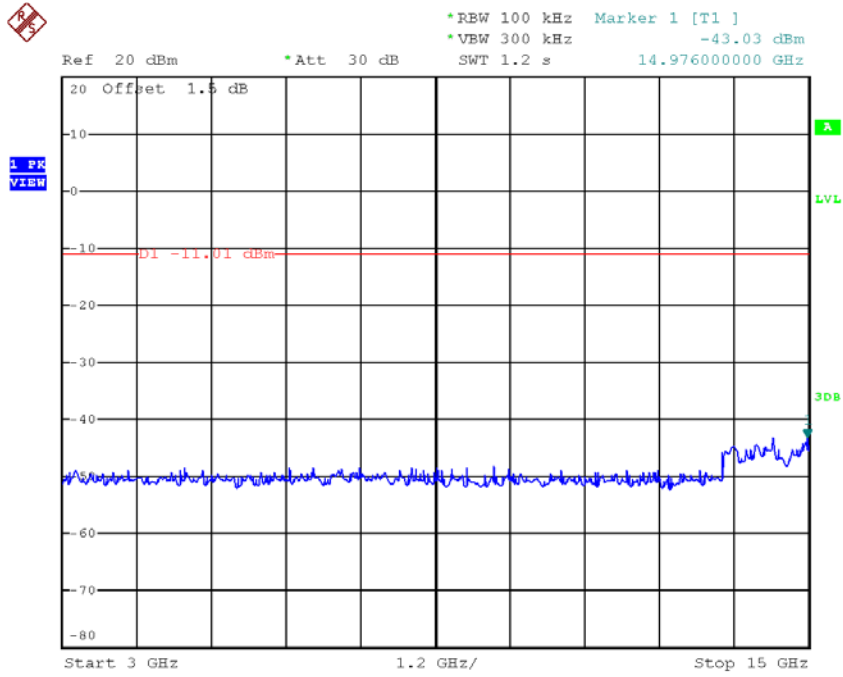


Date: 27.DEC.2017 19:20:23

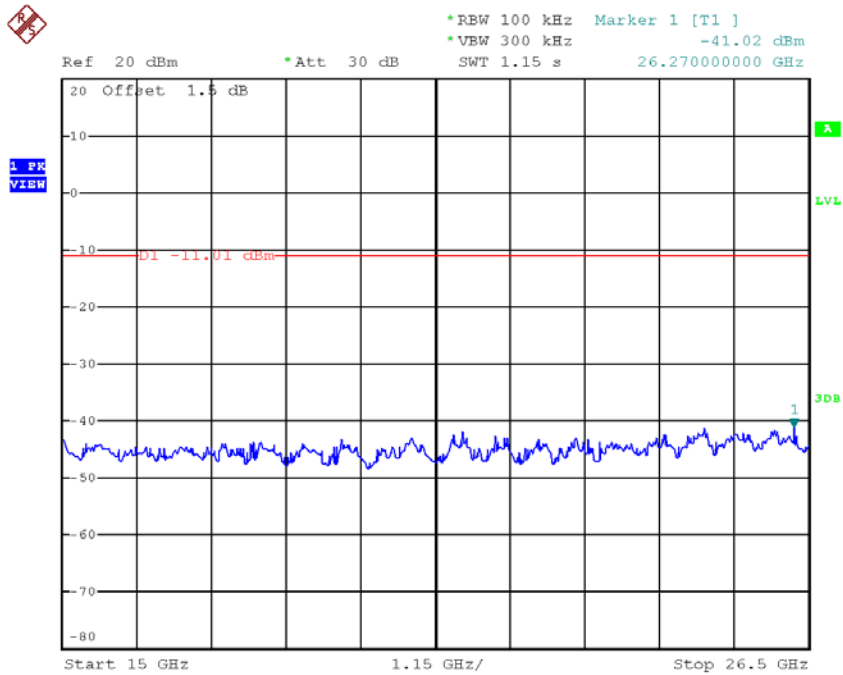
TX B mode CH06 (10 Harmonic of the frequency)



Date: 27.DEC.2017 19:21:53

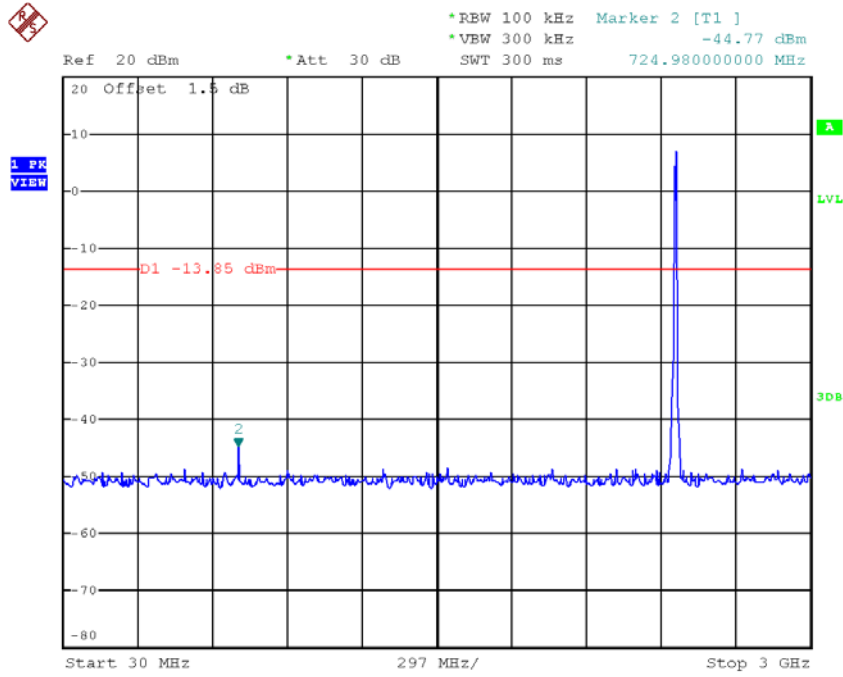


Date: 27.DEC.2017 19:22:01

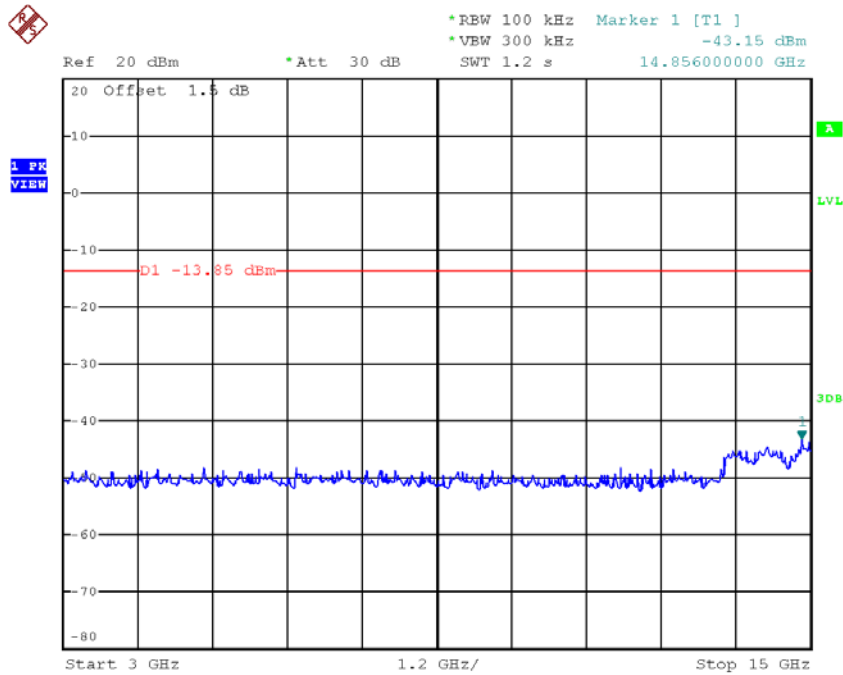


Date: 27.DEC.2017 19:22:09

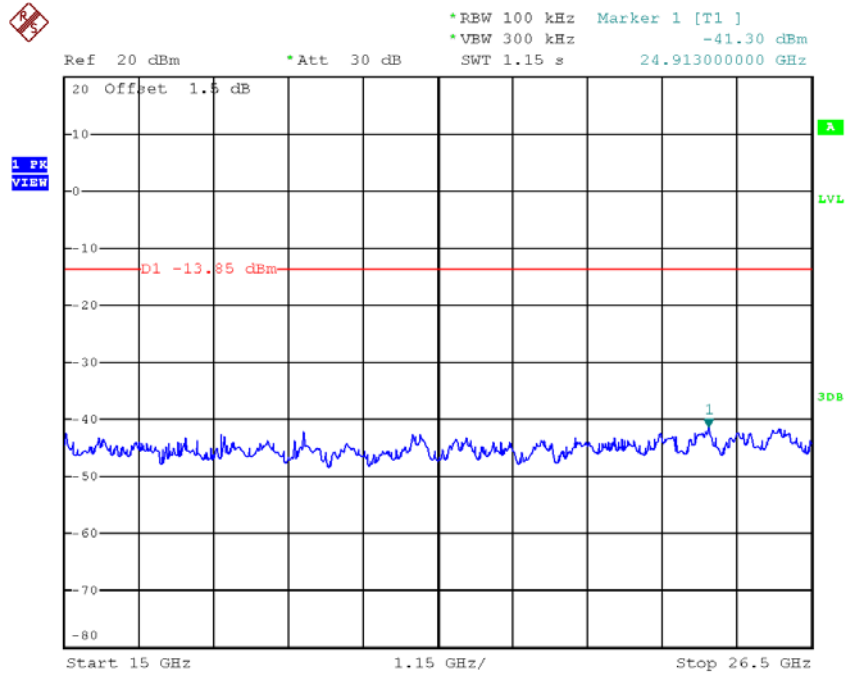
TX B mode CH11 (10 Harmonic of the frequency)



Date: 27.DEC.2017 19:23:33



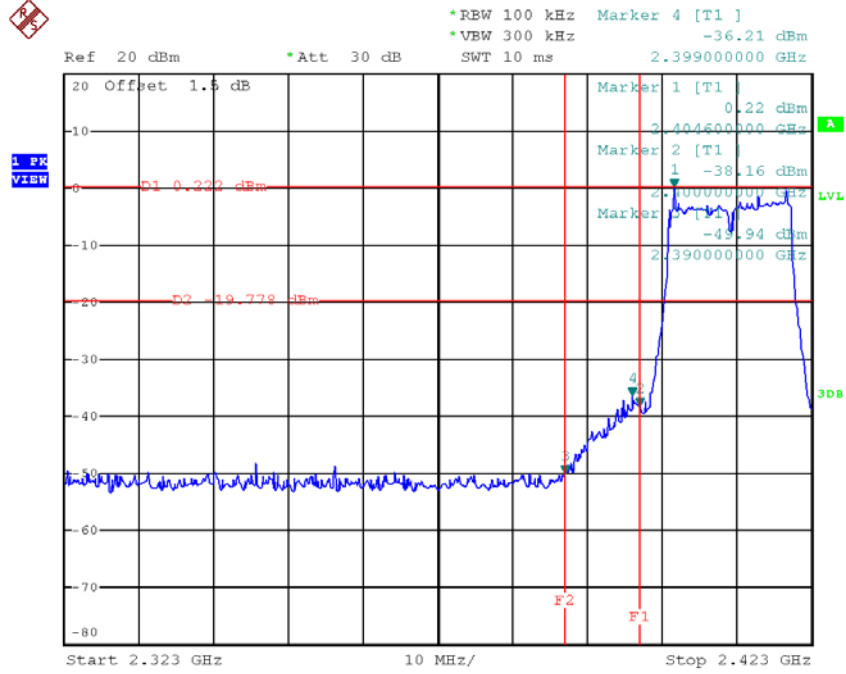
Date: 27.DEC.2017 19:23:40



Date: 27.DEC.2017 19:23:48

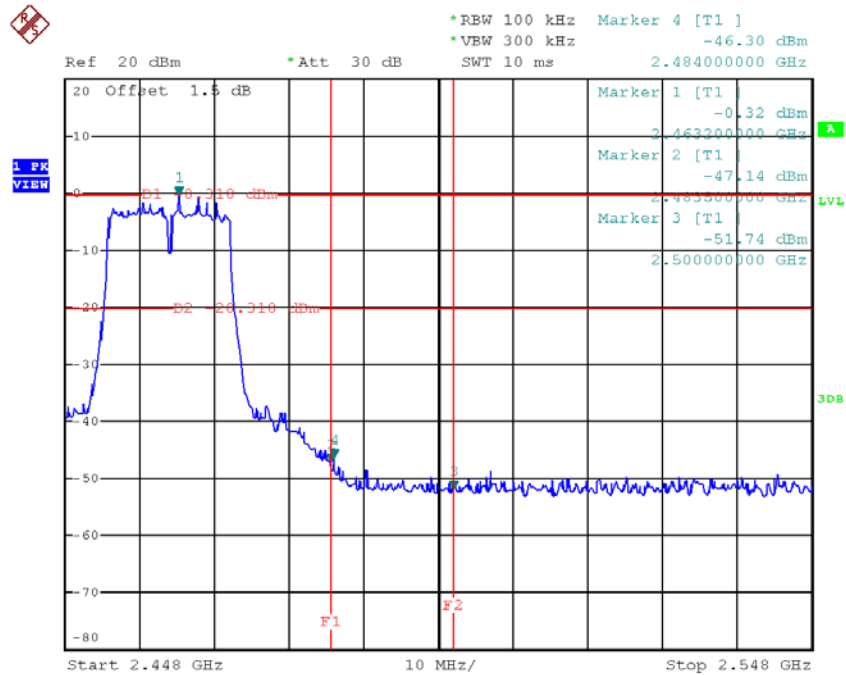
Test Mode : TX G Mode

TX G mode CH01



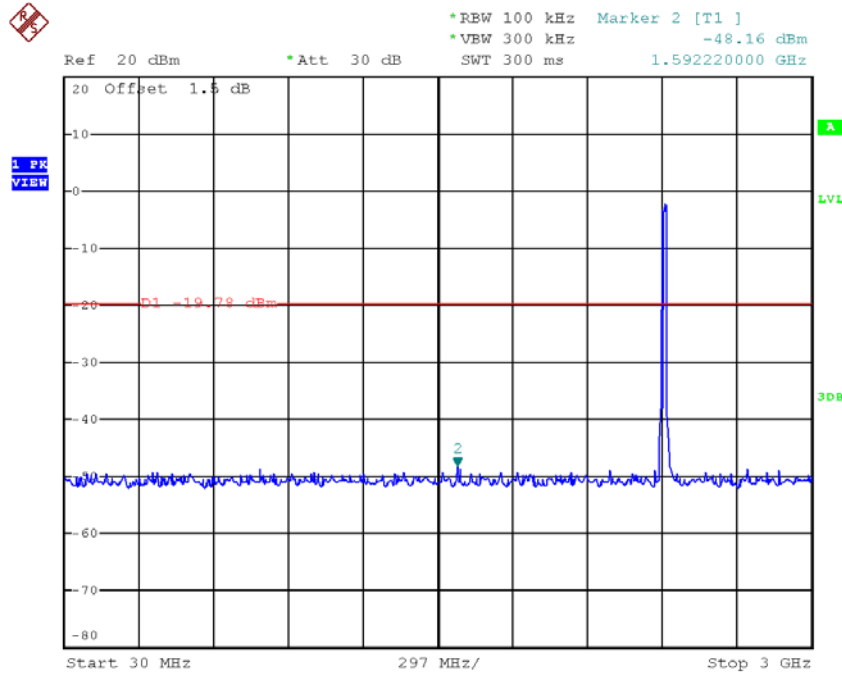
Date: 15.JAN.2018 08:52:45

TX G mode CH11

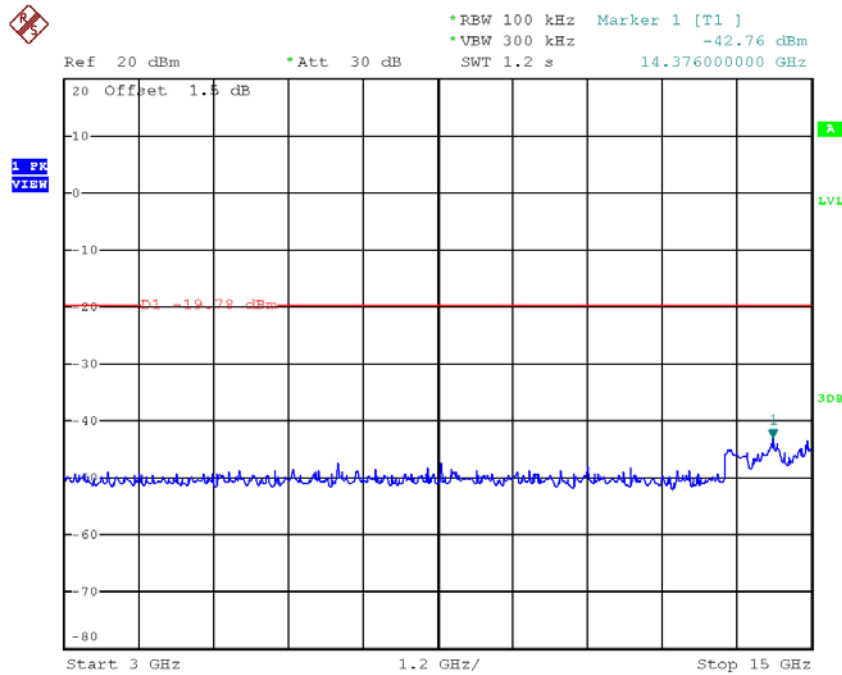


Date: 15.JAN.2018 08:55:01

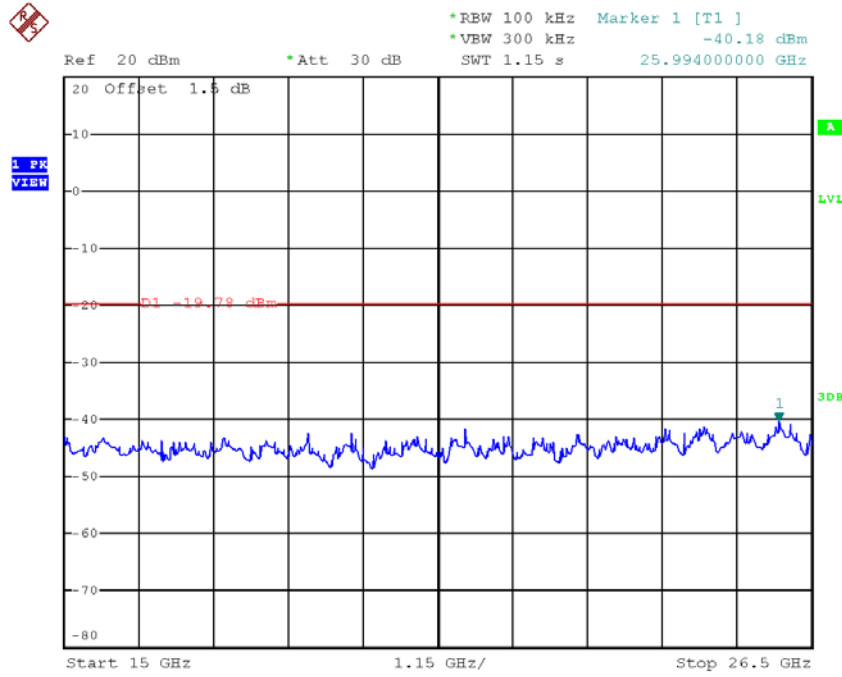
TX G mode CH01 (10 Harmonic of the frequency)



Date: 15.JAN.2018 08:52:58

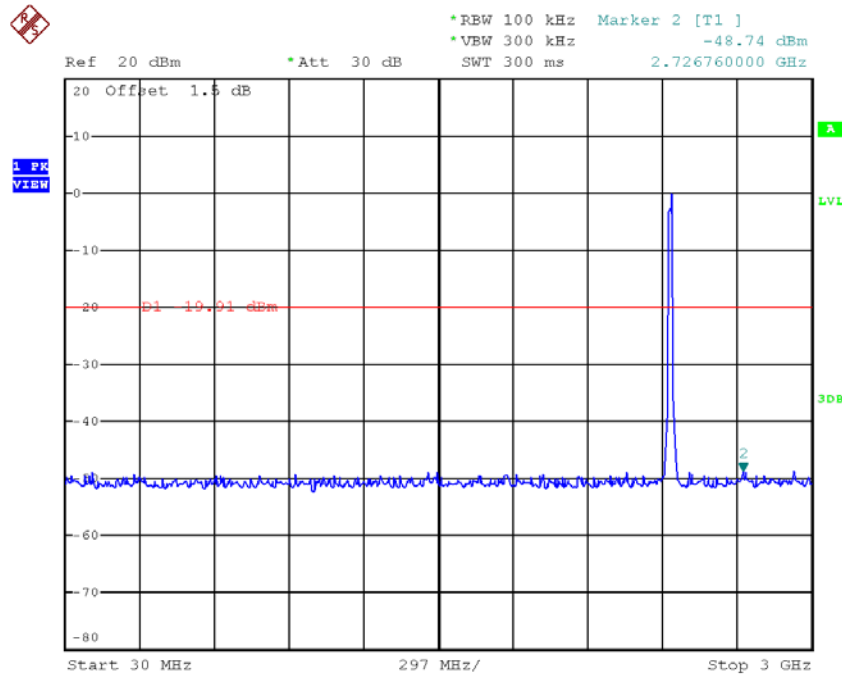


Date: 15.JAN.2018 08:53:05

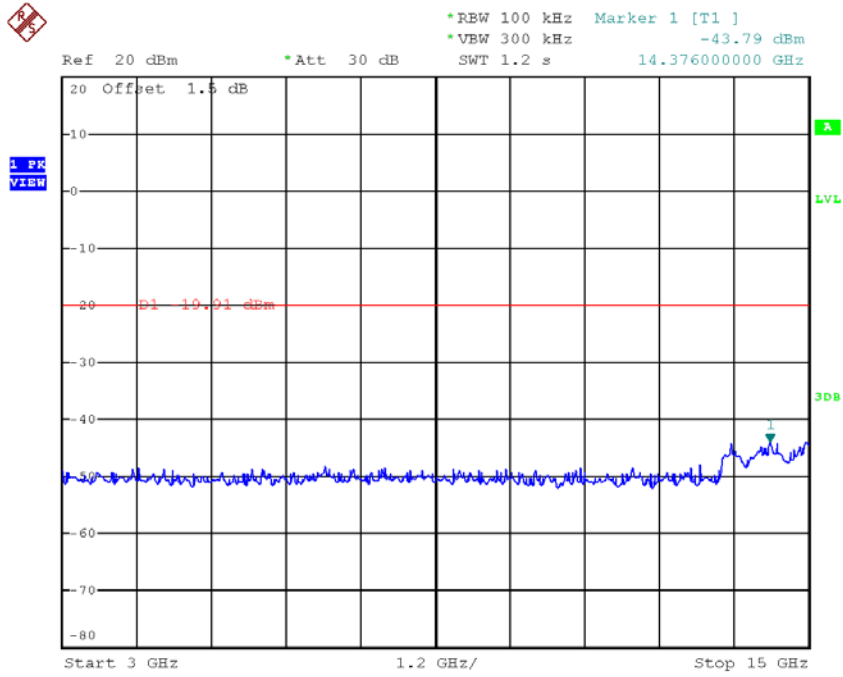


Date: 15.JAN.2018 08:53:12

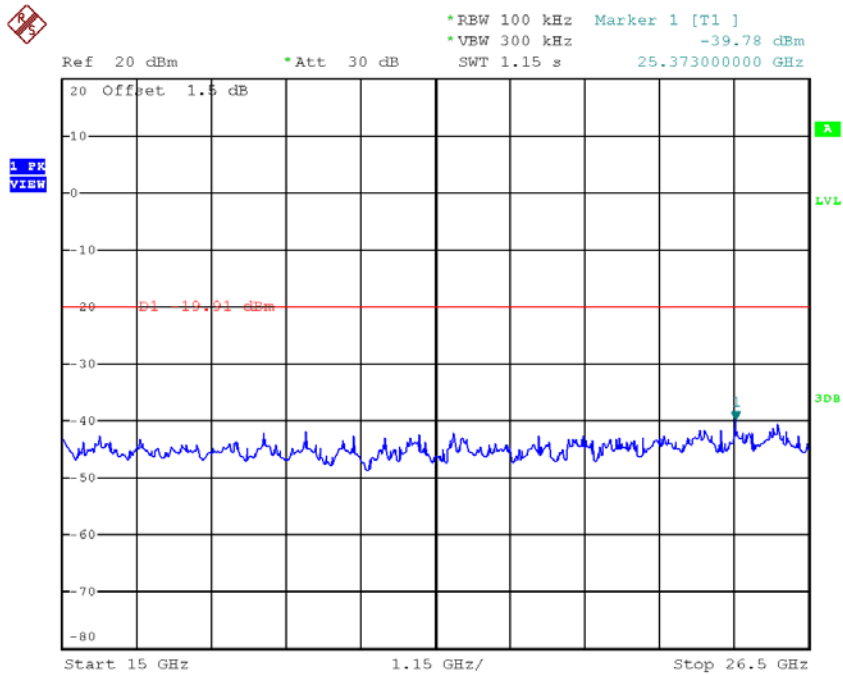
TX G mode CH06 (10 Harmonic of the frequency)



Date: 15.JAN.2018 08:54:04

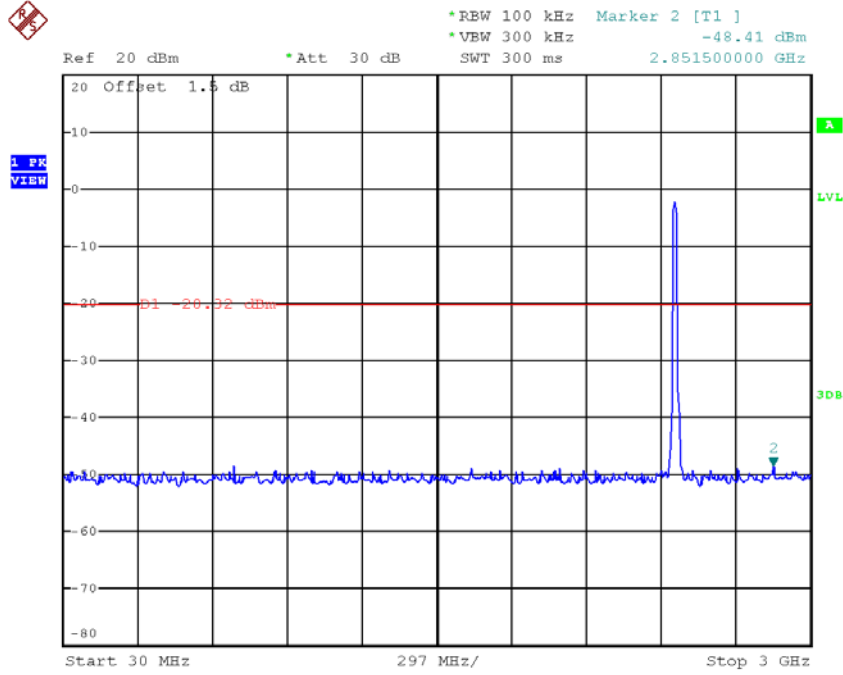


Date: 15.JAN.2018 08:54:11

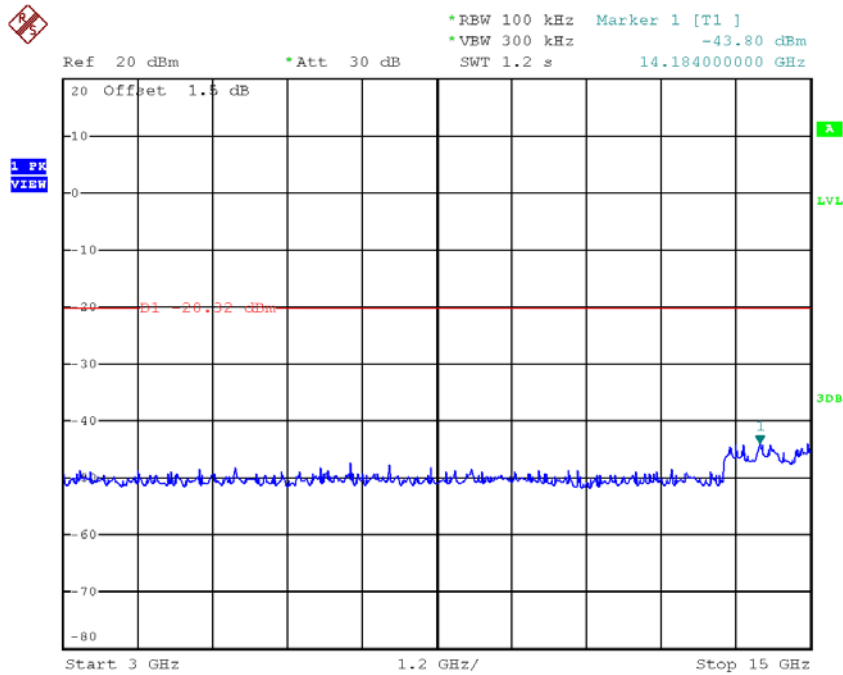


Date: 15.JAN.2018 08:54:18

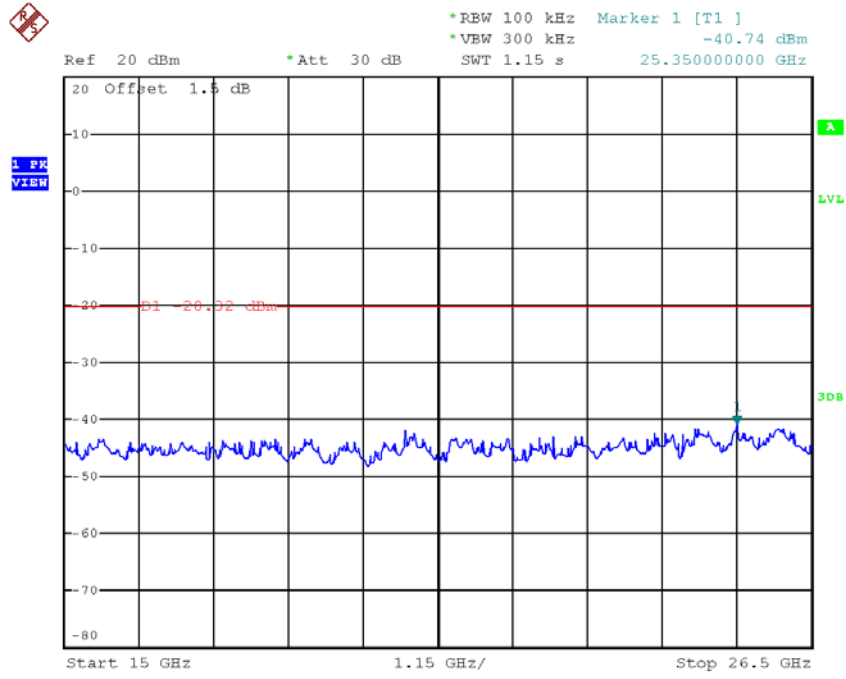
TX G mode CH11 (10 Harmonic of the frequency)



Date: 15.JAN.2018 08:55:15



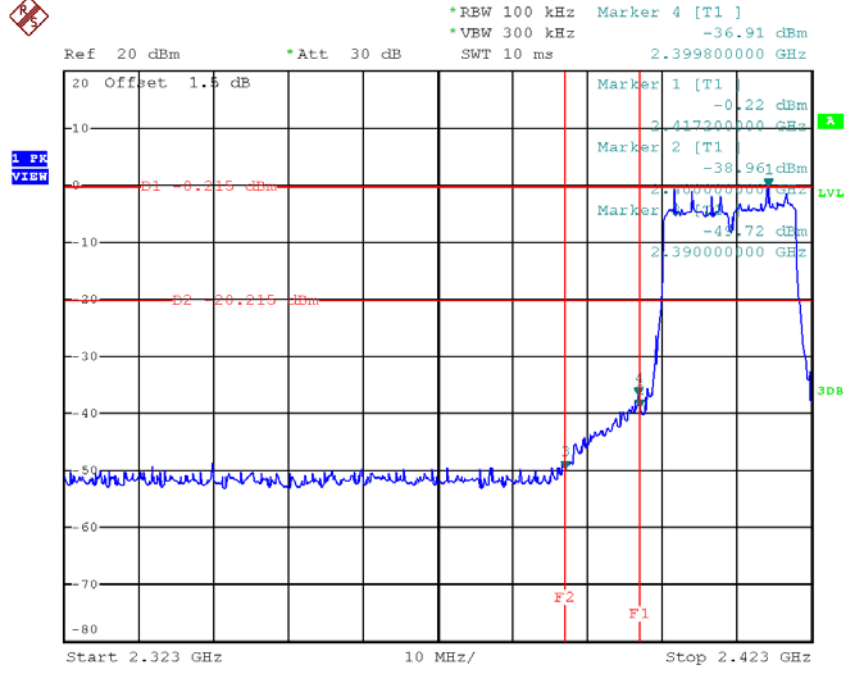
Date: 15.JAN.2018 08:55:22



Date: 15.JAN.2018 08:55:29

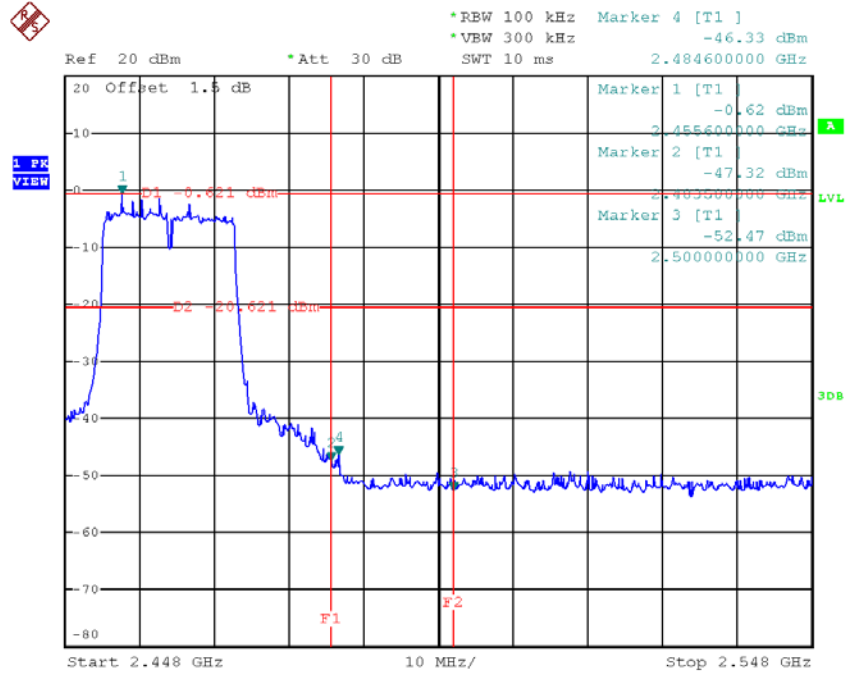
Test Mode : TX N-20M Mode

TX HT20 mode CH01



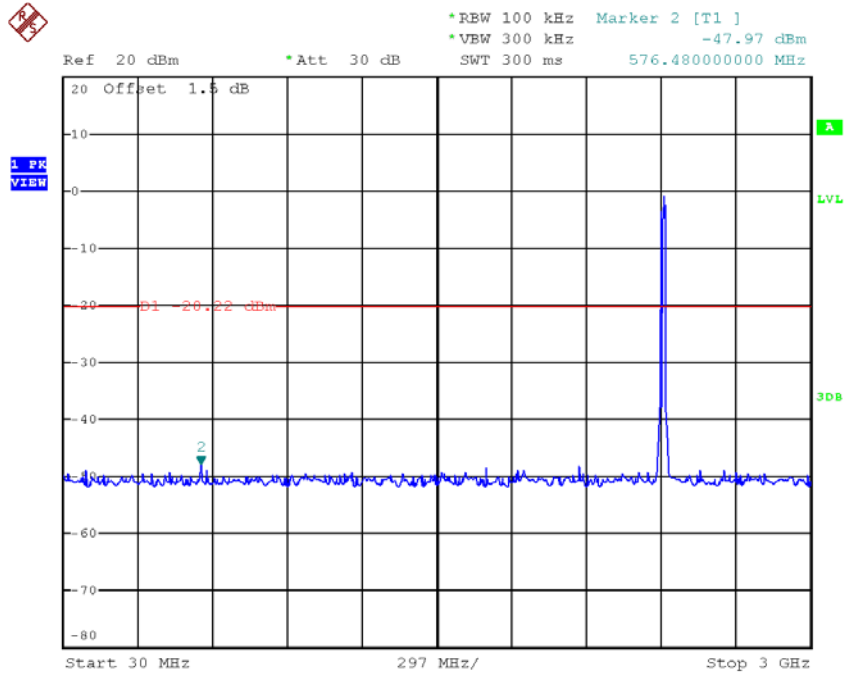
Date: 15.JAN.2018 08:57:53

TX HT20 mode CH11

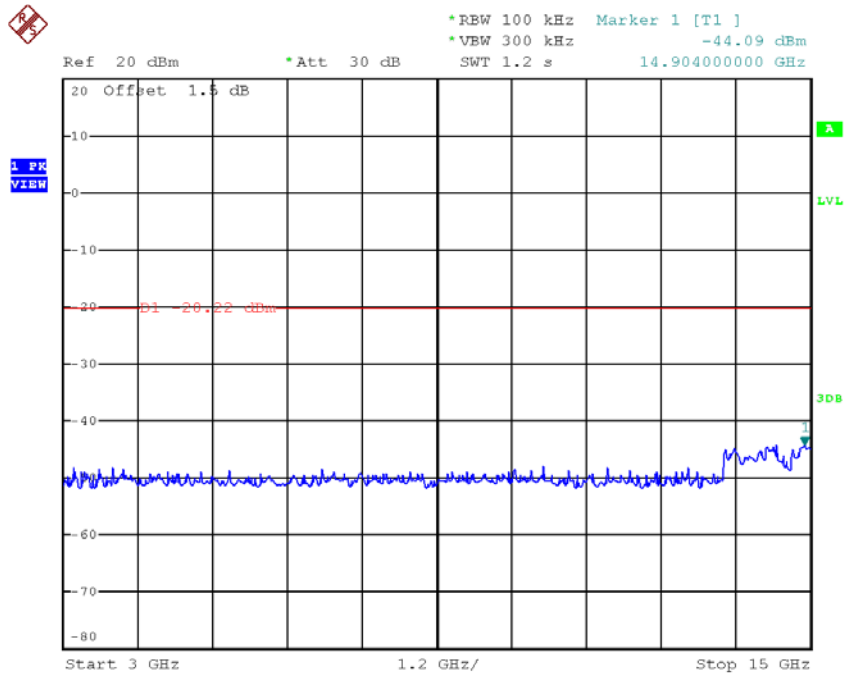


Date: 15.JAN.2018 09:00:28

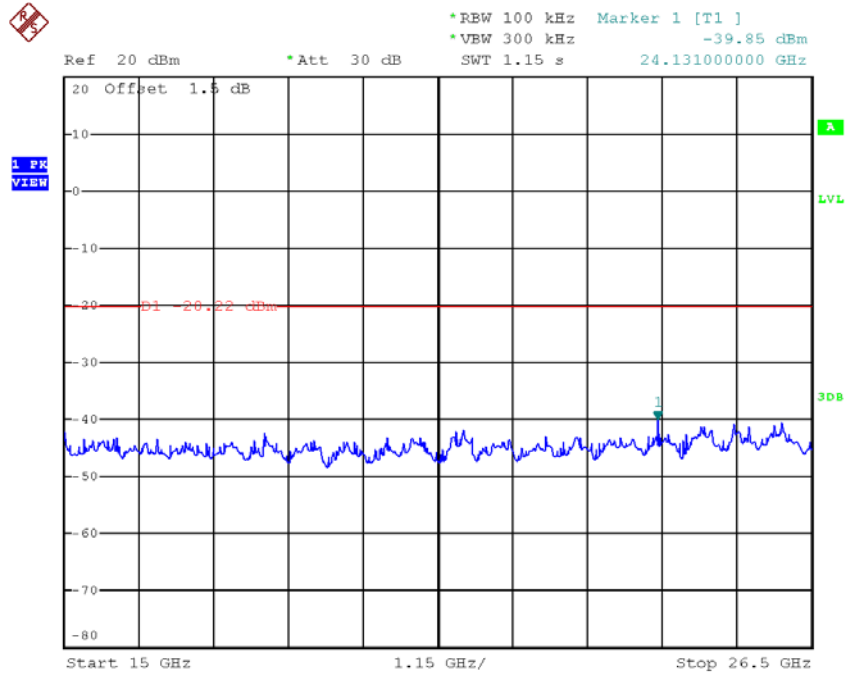
TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 15.JAN.2018 08:58:06

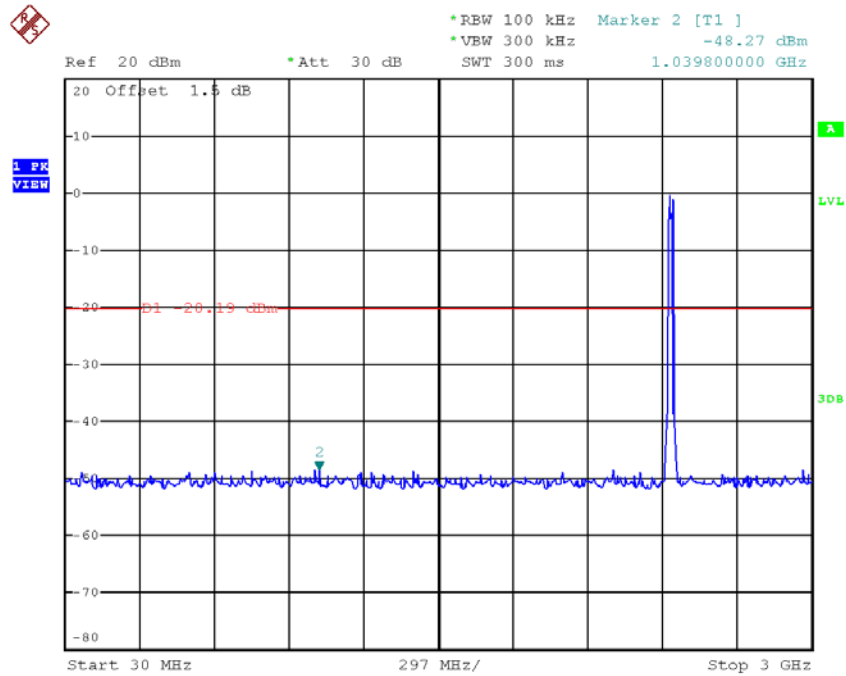


Date: 15.JAN.2018 08:58:13

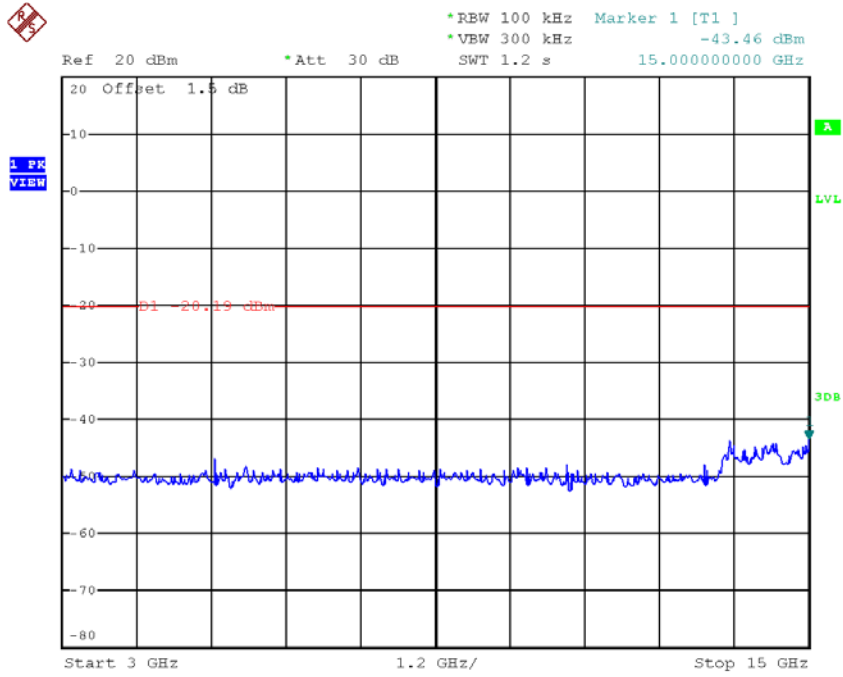


Date: 15.JAN.2018 08:58:21

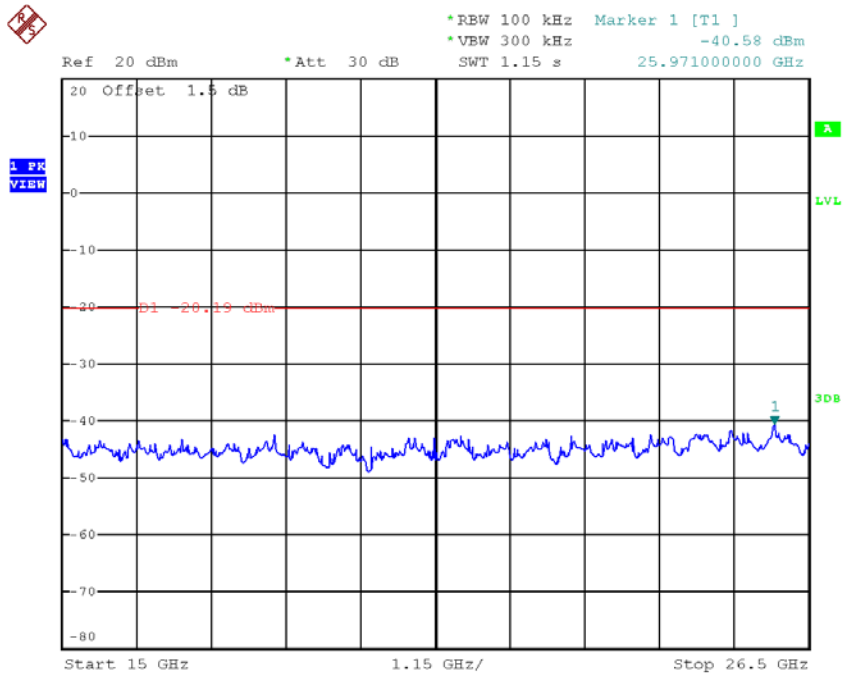
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 15.JAN.2018 08:59:31

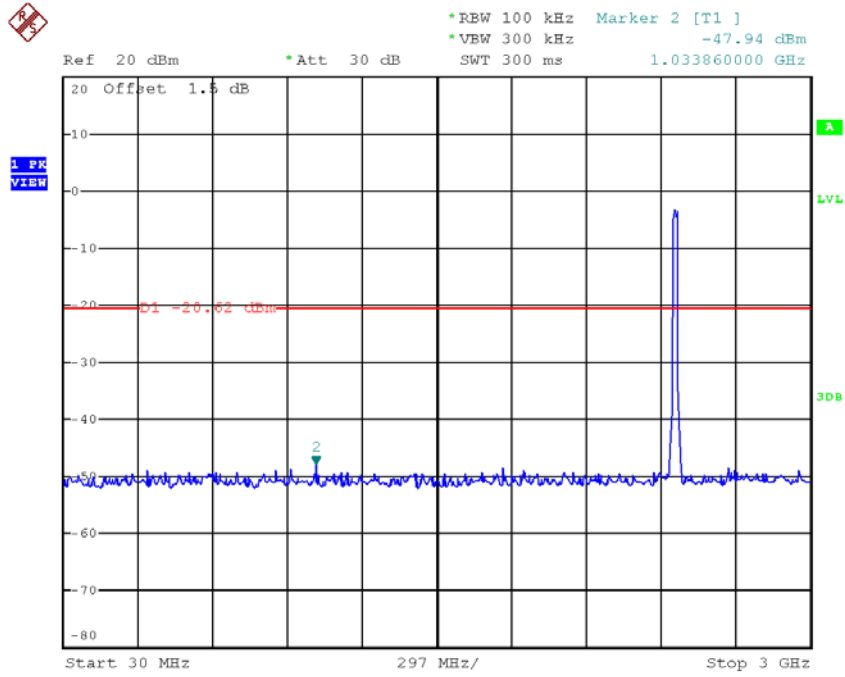


Date: 15.JAN.2018 08:59:38

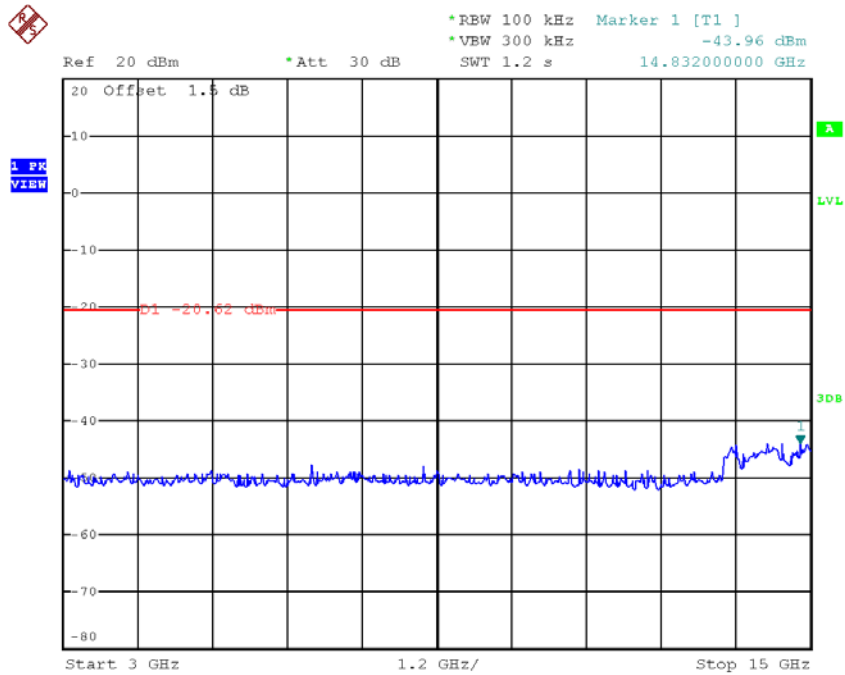


Date: 15.JAN.2018 08:59:45

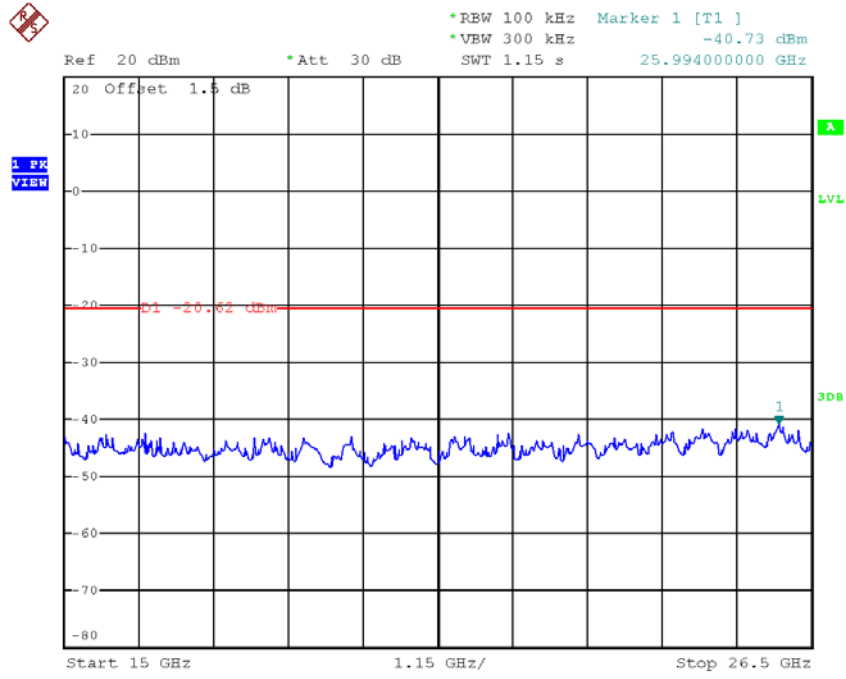
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 15.JAN.2018 09:00:41



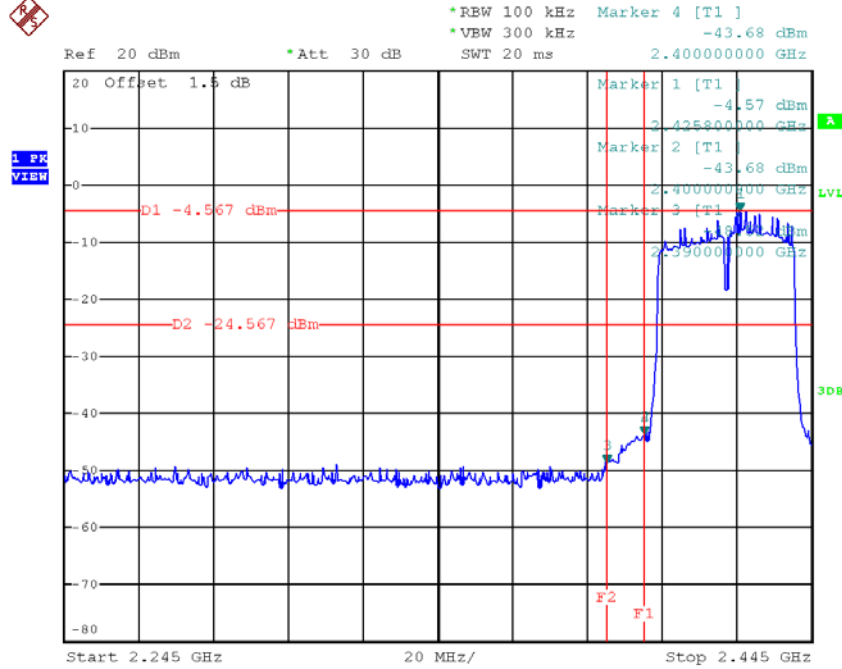
Date: 15.JAN.2018 09:00:48



Date: 15.JAN.2018 09:00:55

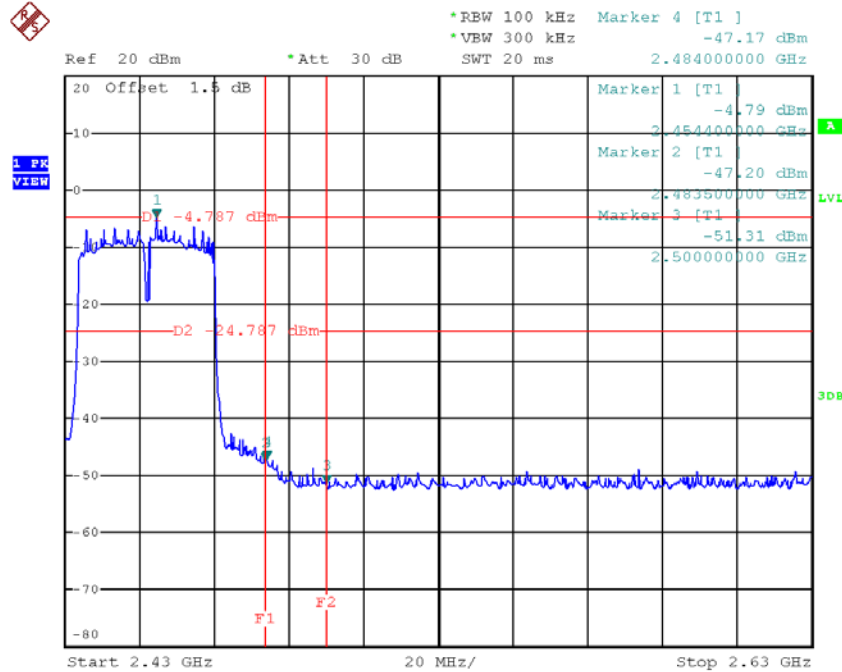
Test Mode : TX N-40M Mode

TX HT40 mode CH03



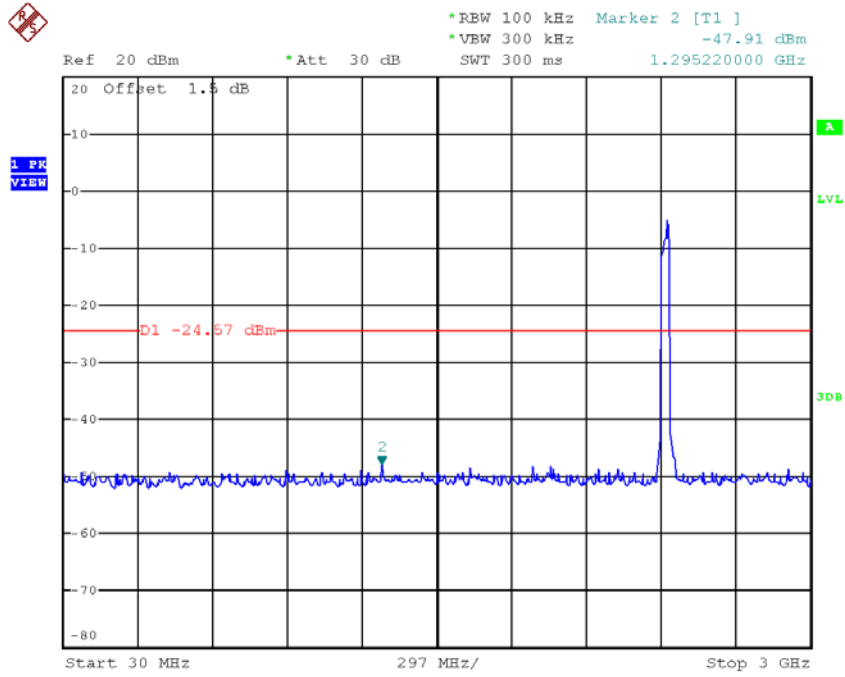
Date: 15.JAN.2018 09:03:45

TX HT40 mode CH09

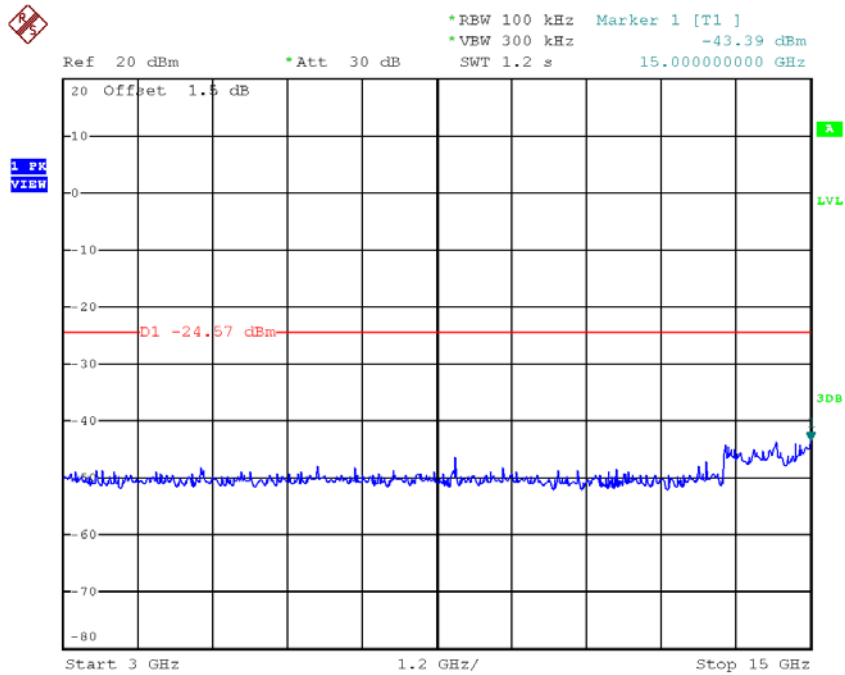


Date: 15.JAN.2018 09:10:47

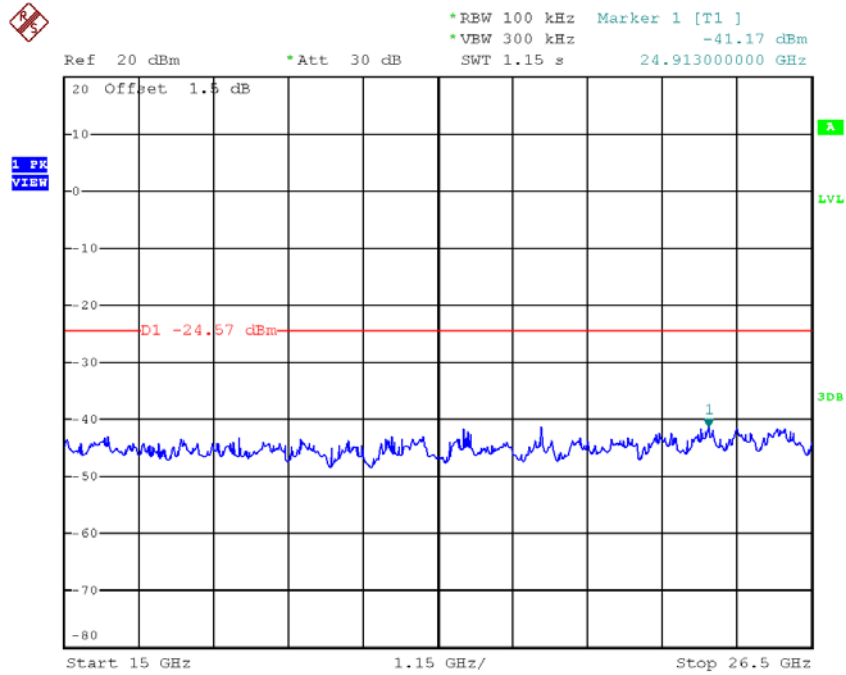
TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 15.JAN.2018 09:03:57

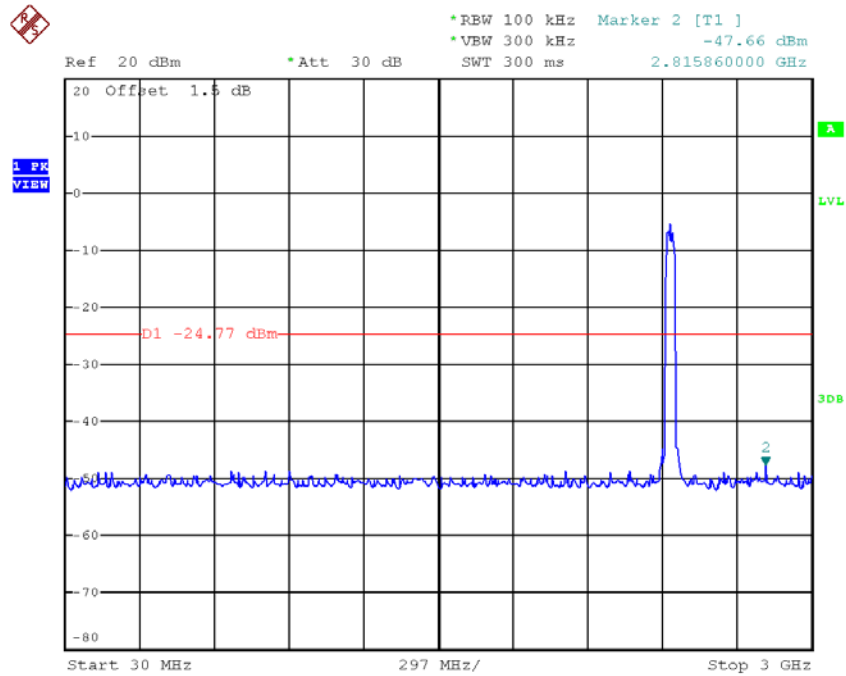


Date: 15.JAN.2018 09:04:04

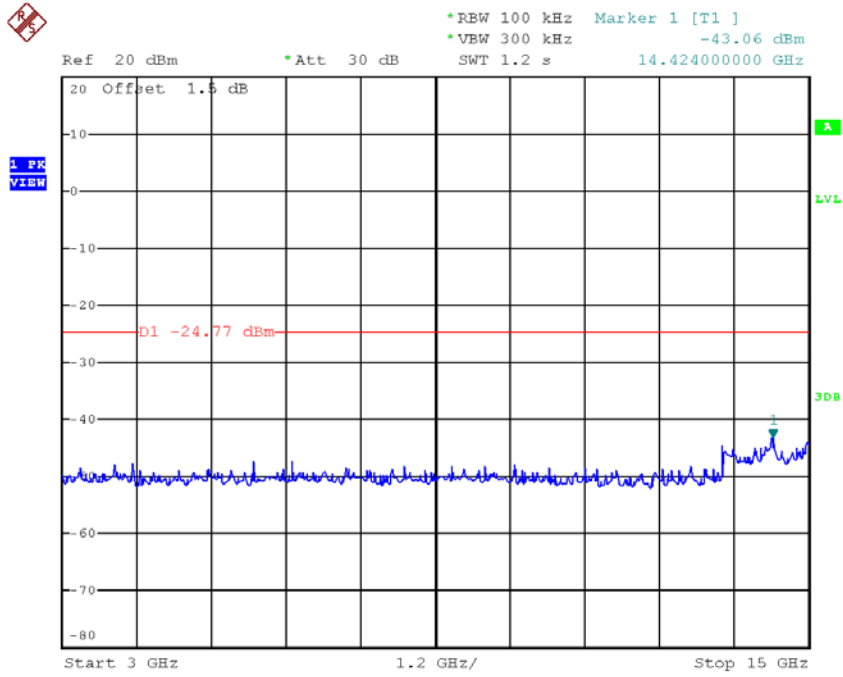


Date: 15.JAN.2018 09:04:12

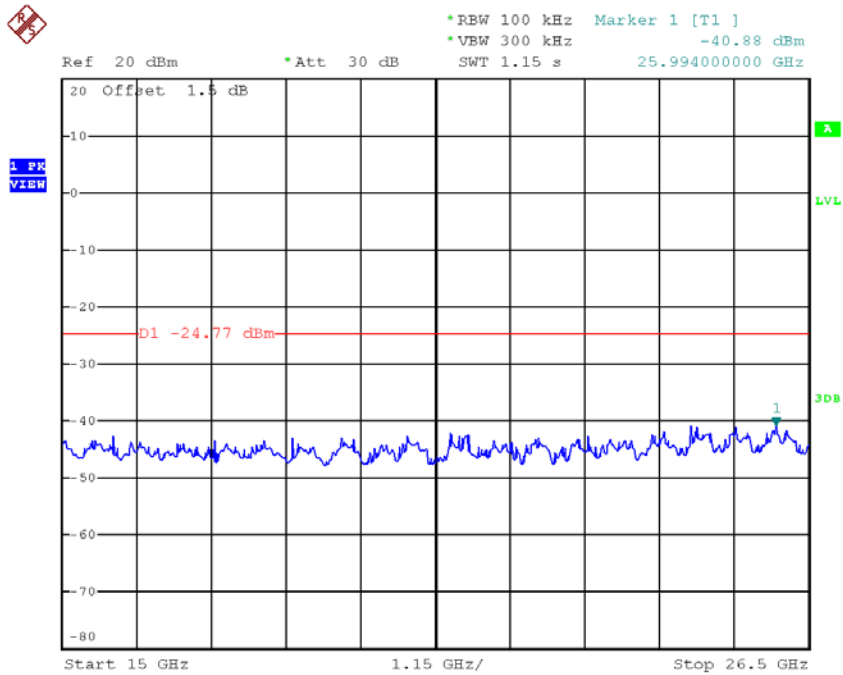
TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 15.JAN.2018 09:05:04

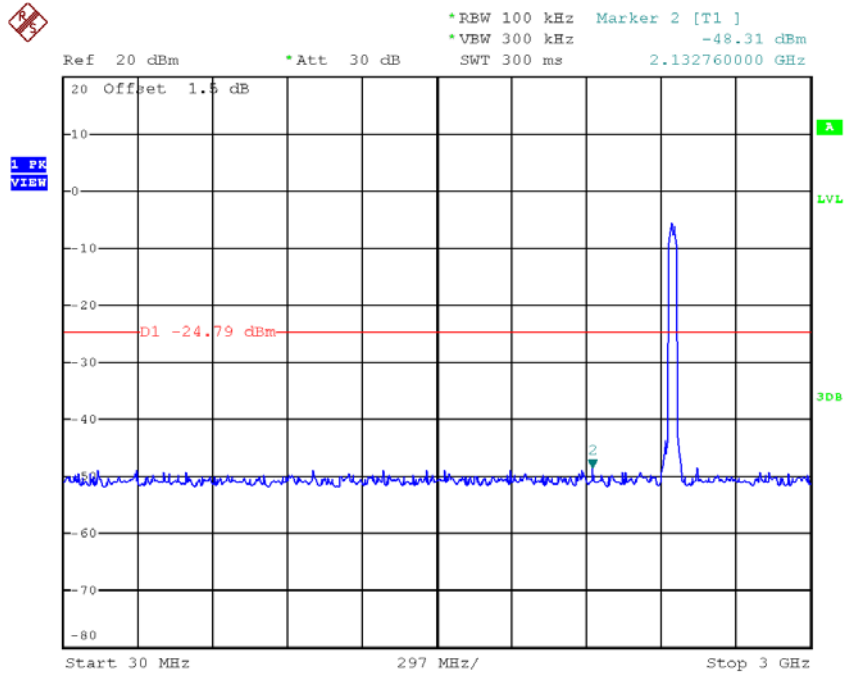


Date: 15.JAN.2018 09:05:11

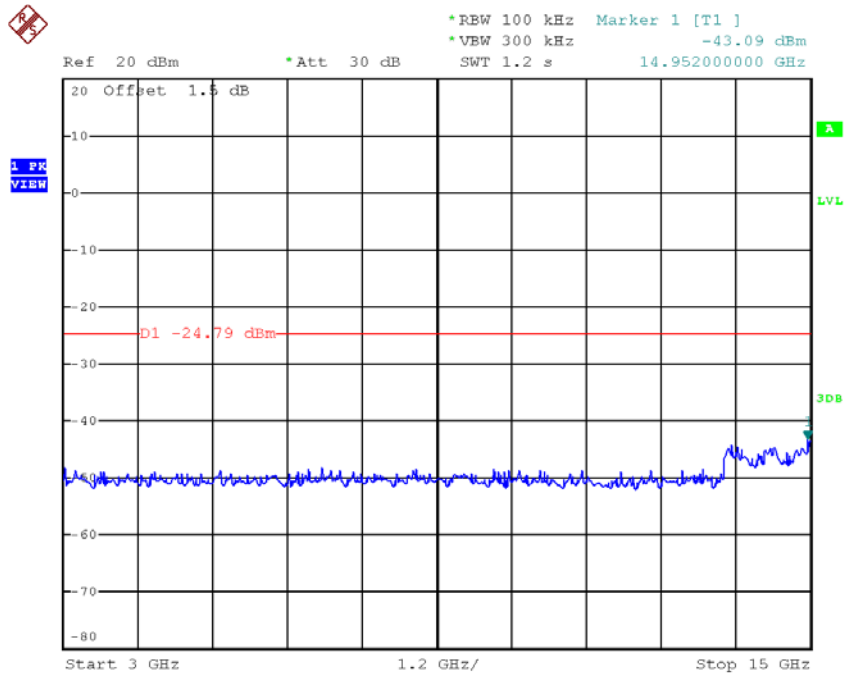


Date: 15.JAN.2018 09:05:18

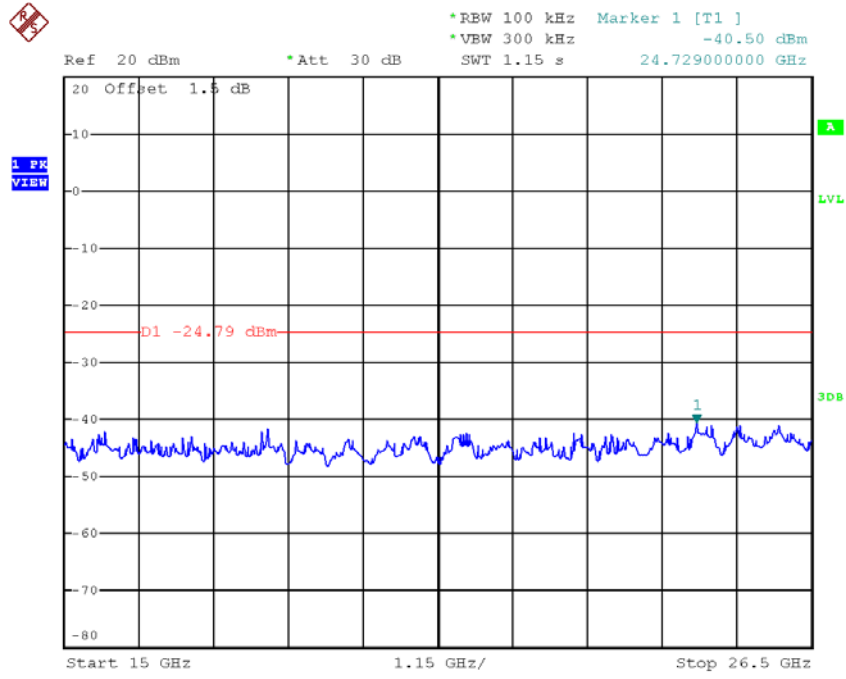
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 15.JAN.2018 09:11:00



Date: 15.JAN.2018 09:11:07



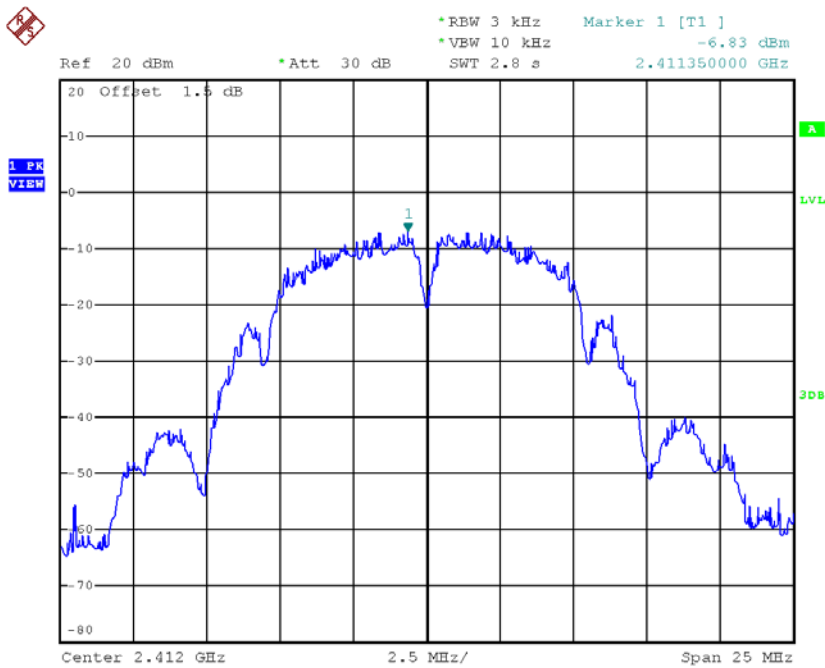
Date: 15.JAN.2018 09:11:14

APPENDIX H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode_CH01/06/11

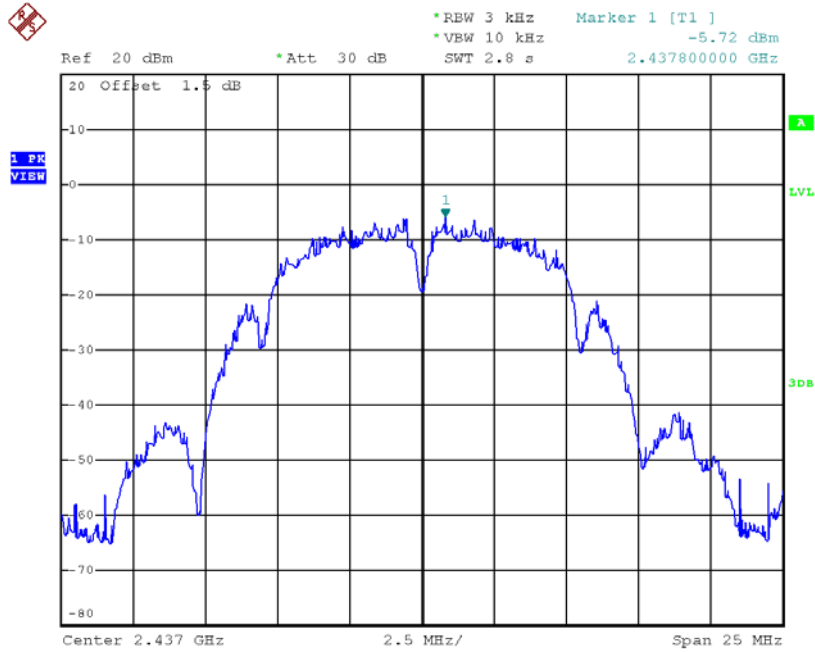
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-6.83	0.2075	8.00	Complies
2437	-5.72	0.2679	8.00	Complies
2462	-8.21	0.1510	8.00	Complies

TX CH01



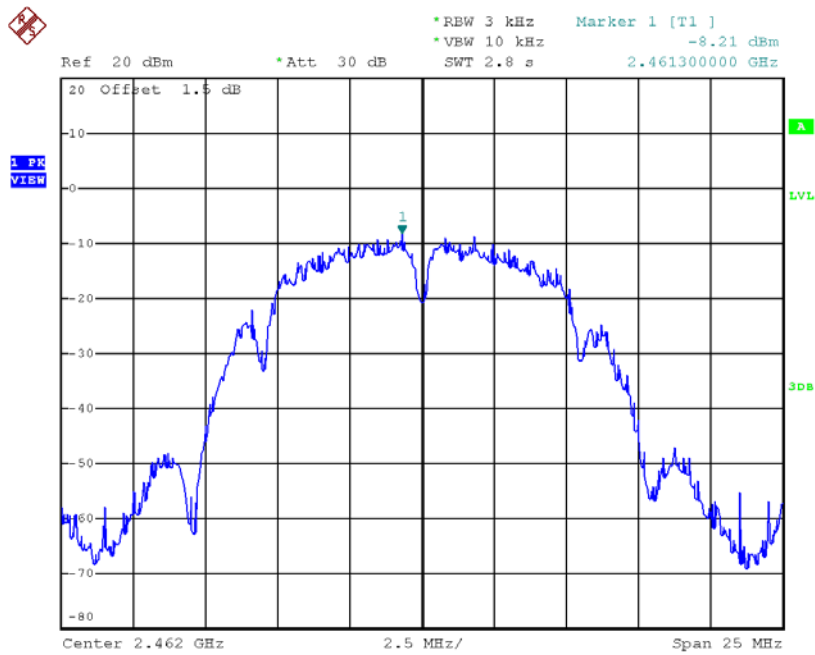
Date: 27.DEC.2017 19:20:32

TX CH06



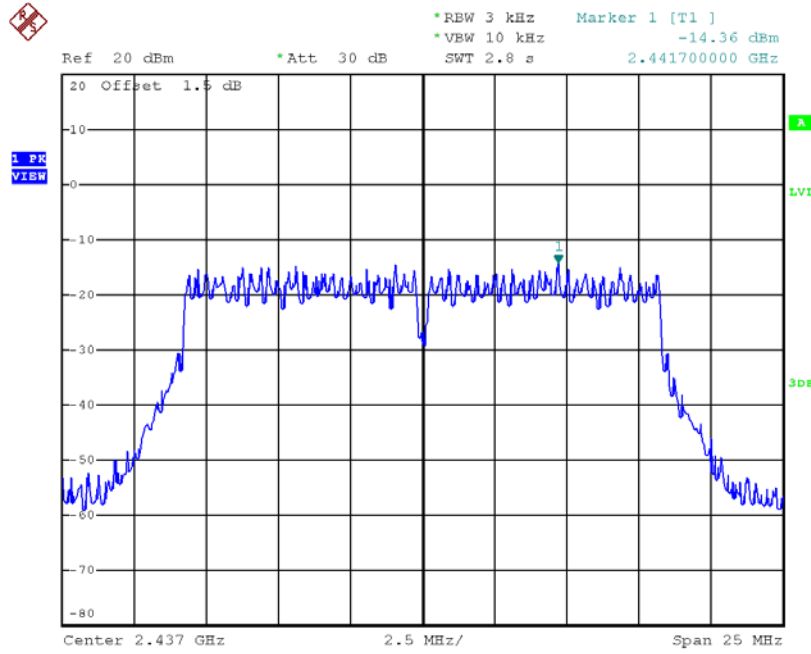
Date: 27.DEC.2017 19:22:18

TX CH11



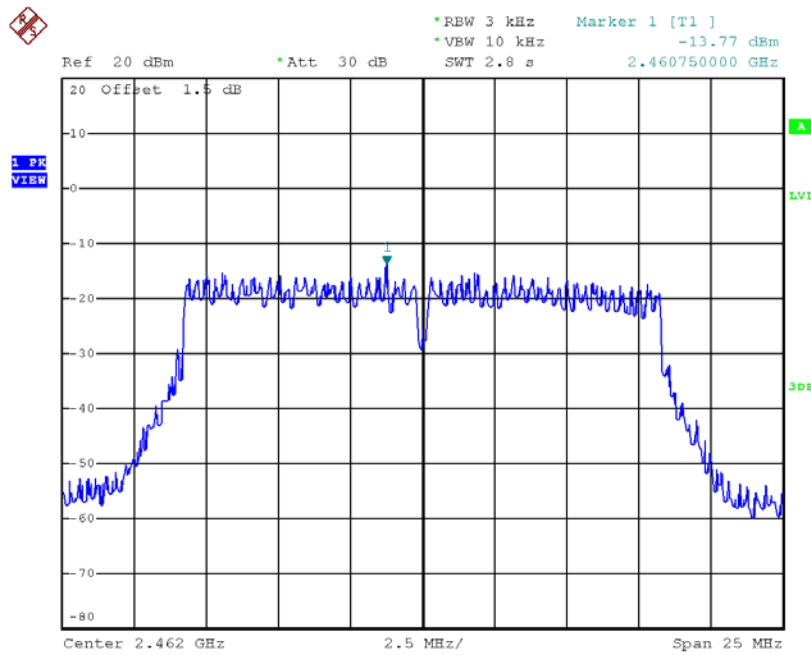
Date: 27.DEC.2017 19:23:58

TX CH06



Date: 15.JAN.2018 08:54:26

TX CH11

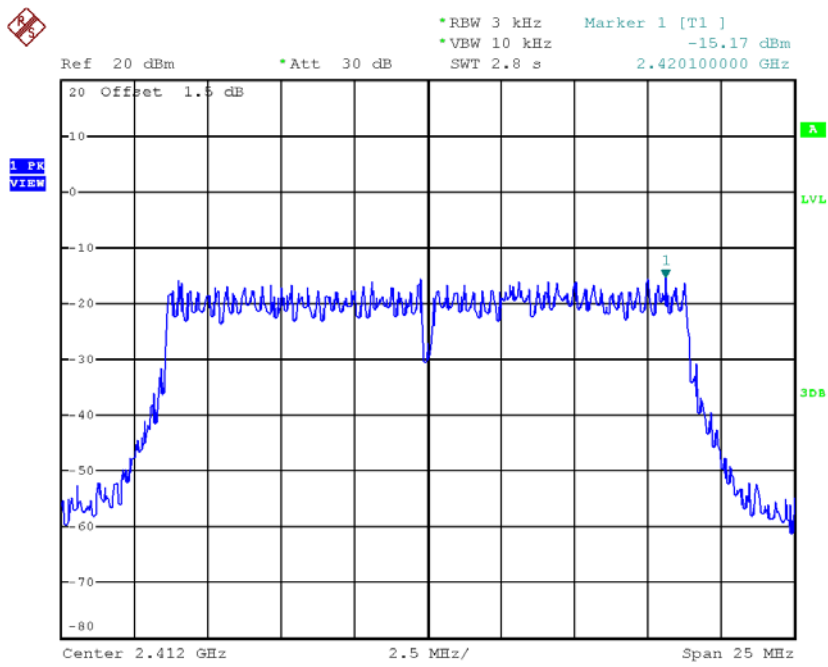


Date: 15.JAN.2018 08:55:38

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

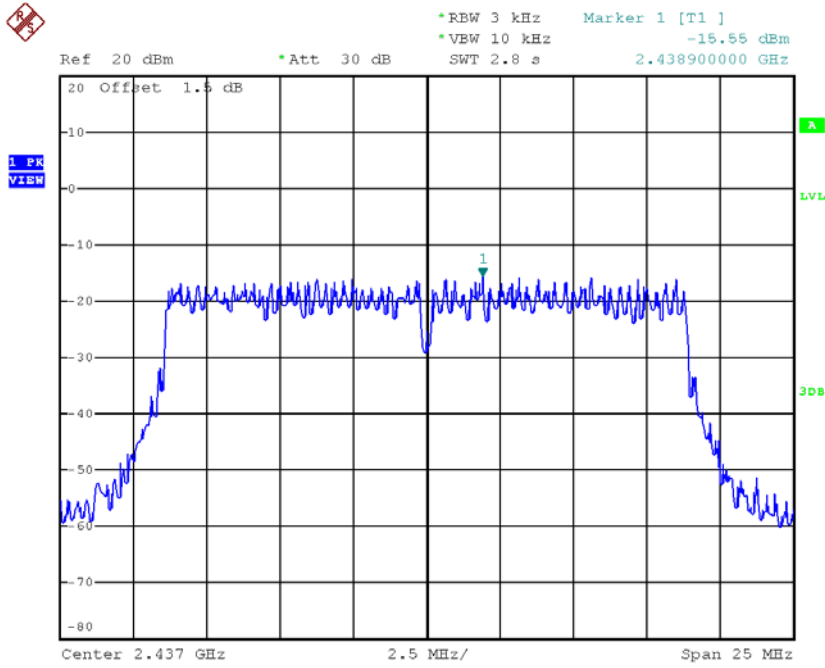
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-15.17	0.0304	8.00	Complies
2437	-15.55	0.0279	8.00	Complies
2462	-14.96	0.0319	8.00	Complies

TX CH01



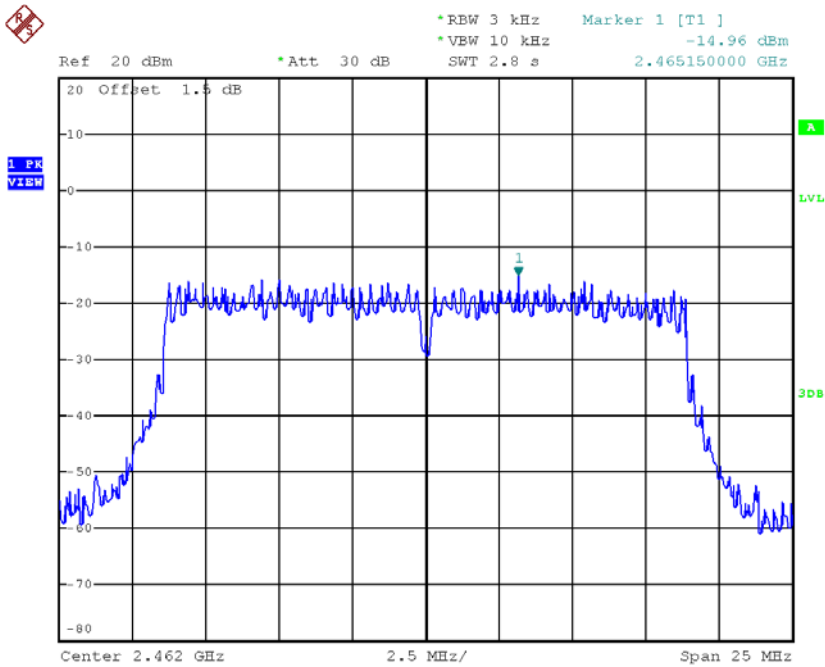
Date: 15.JAN.2018 08:58:29

TX CH06



Date: 15.JAN.2018 08:59:53

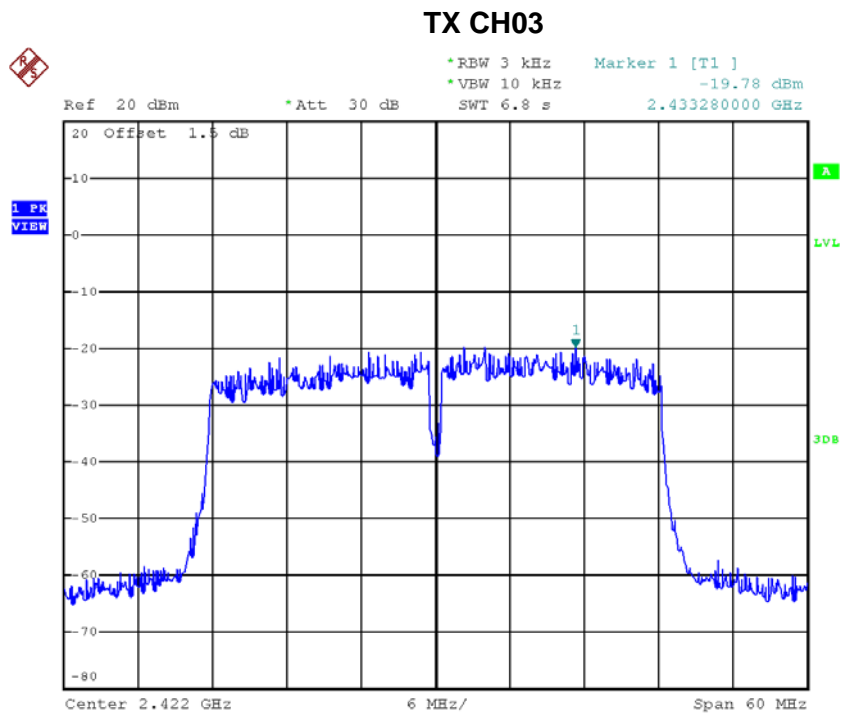
TX CH11



Date: 15.JAN.2018 09:01:04

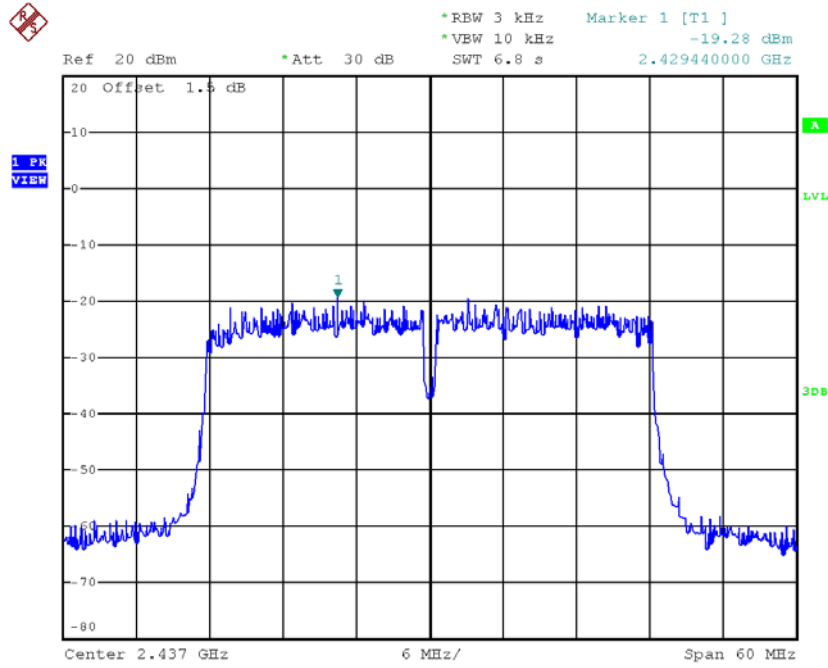
Test Mode : TX N-40M Mode_CH03/06/09

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-19.78	0.0105	8.00	Complies
2437	-19.28	0.0118	8.00	Complies
2452	-19.53	0.0111	8.00	Complies



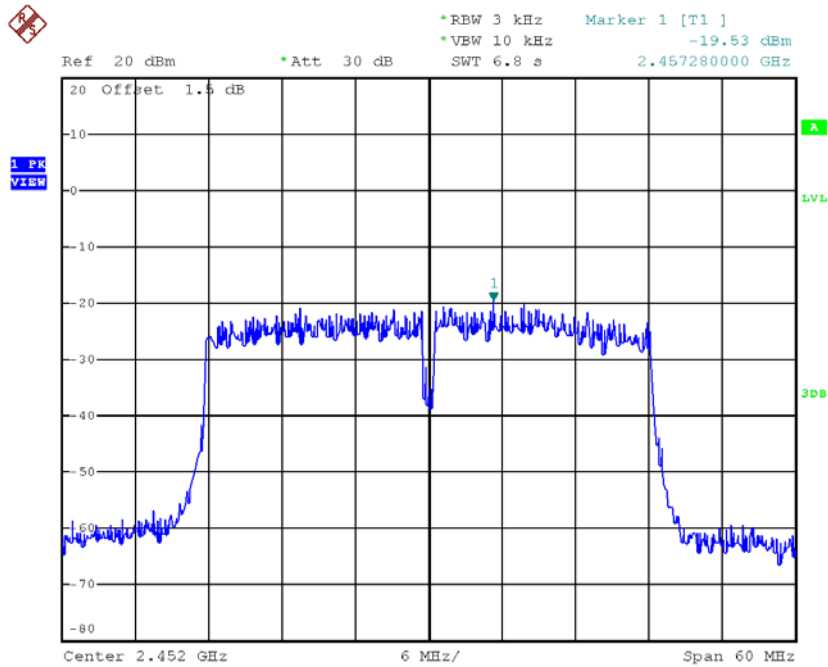
Date: 15.JAN.2018 09:04:23

TX CH06



Date: 15.JAN.2018 09:05:30

TX CH09



Date: 15.JAN.2018 09:11:26