

FCC Radio Test Report

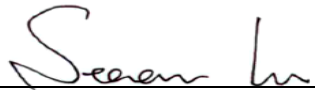
FCC ID: KA2AP1325A1

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

Project No. : 1612C204B
Equipment : N300 Wi-Fi Range Extender
Model Name : DAP-1325, DAP-1330
Applicant : D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California,
United States 92708

Date of Receipt : Dec. 20, 2016
Feb. 24, 2019
Date of Test : Dec. 20, 2016 ~ Jan. 10, 2016
Feb. 25, 2019 ~ Mar. 14, 2019
Issued Date : Jan. 22, 2020
Tested by : BTL Inc.

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Certificate #5123.02

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.

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

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

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.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue. This is a copy report which referencing test data are provided from test report (BTL-FCCP-1-1612C204). 1. A power board was added, the model name is MT-SPS0510O-A. The radiated emissions below 1GHz and conducted emission have been re-evaluated and recorded in the test report, the rest are kept the same.	Jul. 25, 2019
R01	This is a copy report which referencing test data are provided from test report (BTL-FCCP-1-1612C204). A power board was added, the model name is MT-SPS0510O-A. The radiation emission below 1GHz was verified. It was found that the original data was the worst case.so the original test data was saved in this report.	Jan. 22, 2020

1. GENERAL SUMMARY

Equipment : N300 Wi-Fi Range Extender
Brand Name : D-Link
Model Name : DAP-1325, DAP-1330
Applicant : D-Link Corporation
Manufacturer: D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California, United States 92708
Factory : Huizhou MTN WEIYE Technology Development Co.,Ltd
Address : No.2 Huitai Road, Huinan High-tech Industrial Park, Huiao Avenue, Huizhou City, Guangdong Province, China.
Date of Test : Dec. 20, 2016 ~ Jan. 10, 2016
Feb. 25, 2019 ~ Mar. 14, 2019
Test Sample : Engineering Sample No.: D161210602, D190201644, D190201645
Standard(s) : FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1612C204B) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO/IEC 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	Test Result	Judgment	Remark
15.207	AC Power Line Conducted Emissions	Appendix A	PASS	-----
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	Appendix B Appendix C Appendix D	PASS	-----
15.247(a)(2)	Bandwidth	Appendix E	PASS	-----
15.247(b)(3)	Maximum Output Power	Appendix F	PASS	-----
15.247(d)	Conducted Spurious Emissions	Appendix G	PASS	-----
15.247(e)	Power Spectral Density	Appendix H	PASS	-----
15.203	Antenna Requirement	-----	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 Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

The BTL measurement uncertainty as below table:

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	N300 Wi-Fi Range Extender	
Brand Name	D-Link	
Model Name	DAP-1325, DAP-1330	
Model Difference(s)	Only differ in model name.	
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: 19.82dBm 802.11g: 27.33dBm 802.11n(20MHz): 27.47dBm 802.11n(40MHz): 27.49dBm
Power Source	AC Main	
Power Rating	100-240V~ 50/60Hz 0.3A	

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)
1	N/A	N/A	Dipole	N/A	2
2	N/A	N/A	Dipole	N/A	2

Note:

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

4.

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

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics 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 MOED

For Conducted Test	
Final Test Mode	Description
Mode 5	TX MOED

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

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

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

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

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

Note:

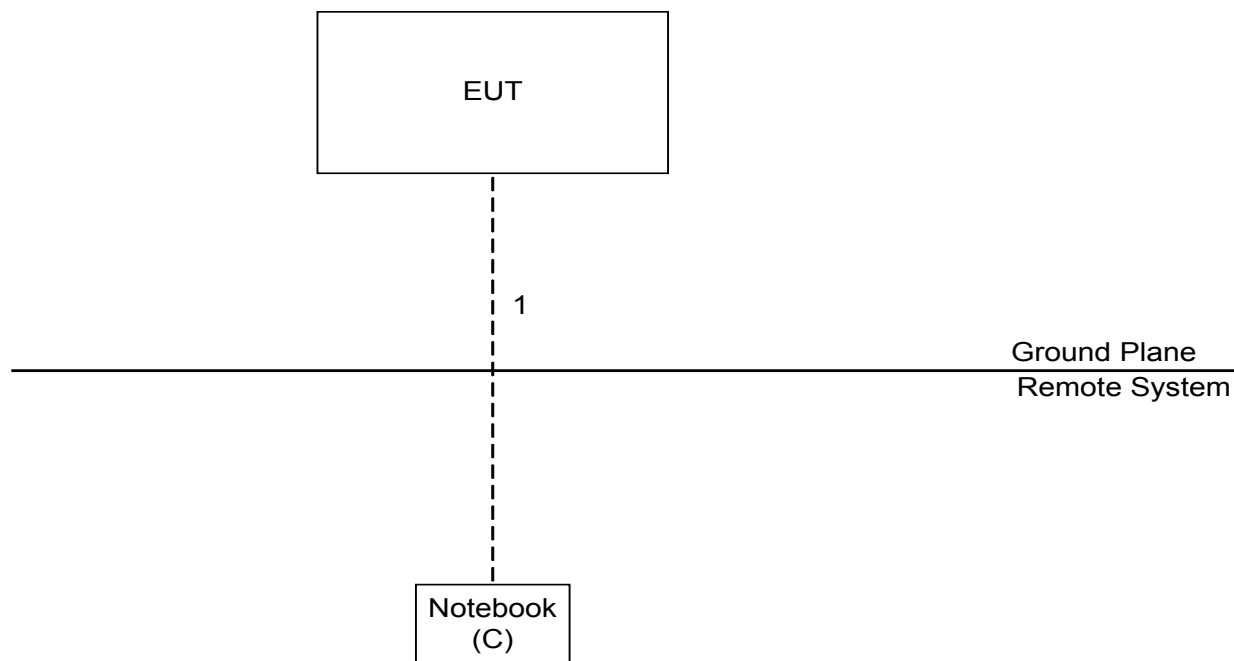
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode : BPSK (13Mbps)
 802.11n HT40 mode : BPSK (27Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3)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

3.3 TABLE OF PARAMETERS OF TEST 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	QATool_Dbg		
Frequency (MHz)	2412	2437	2462
802.11b	12	12	12
802.11g	14	14	14
802.11n (20MHz)	15	15	15
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	18	18	18

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.	Series No.
-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	10m	RJ45 Cable

4. AC POWER LINE CONDUCTED EMISSIONS TEST

4.1 LIMIT

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

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) 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

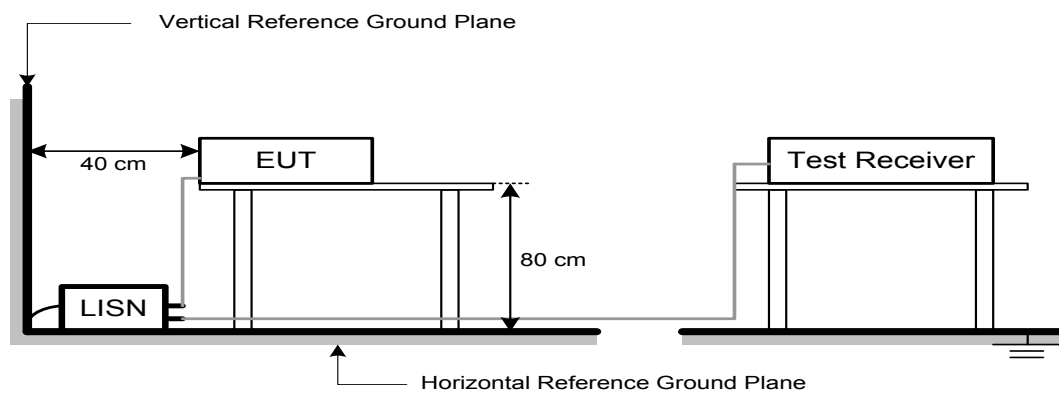
4.2 TEST PROCEDURE

- 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.

4.3 DEVIATION FROM TEST STANDARD

No deviation

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

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

4.6 EUT TEST CONDITIONS

Temperature: 23°C Relative Humidity: 53% Test Voltage: AC 120V/60Hz

4.7 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS TEST

5.1 LIMIT

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 (9 kHz-1000 MHz)

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
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	(dBuV/m at 3 m)	
	Peak	Average
Above 1000	74	54

NOTE:

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

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

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

5.2 TEST PROCEDURE

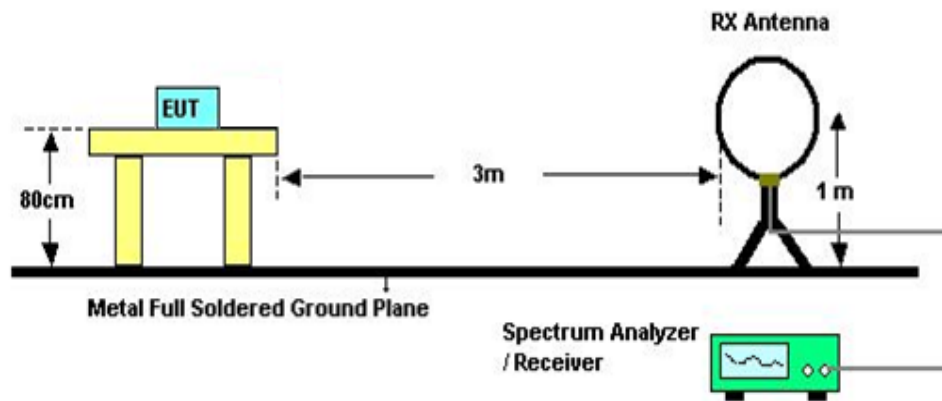
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
- 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.
- 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).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- 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.
- 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 1 GHz)
- 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 1 GHz)
- For the actual test configuration, please refer to the related Item -EUT Test Photos.

5.3 DEVIATION FROM TEST STANDARD

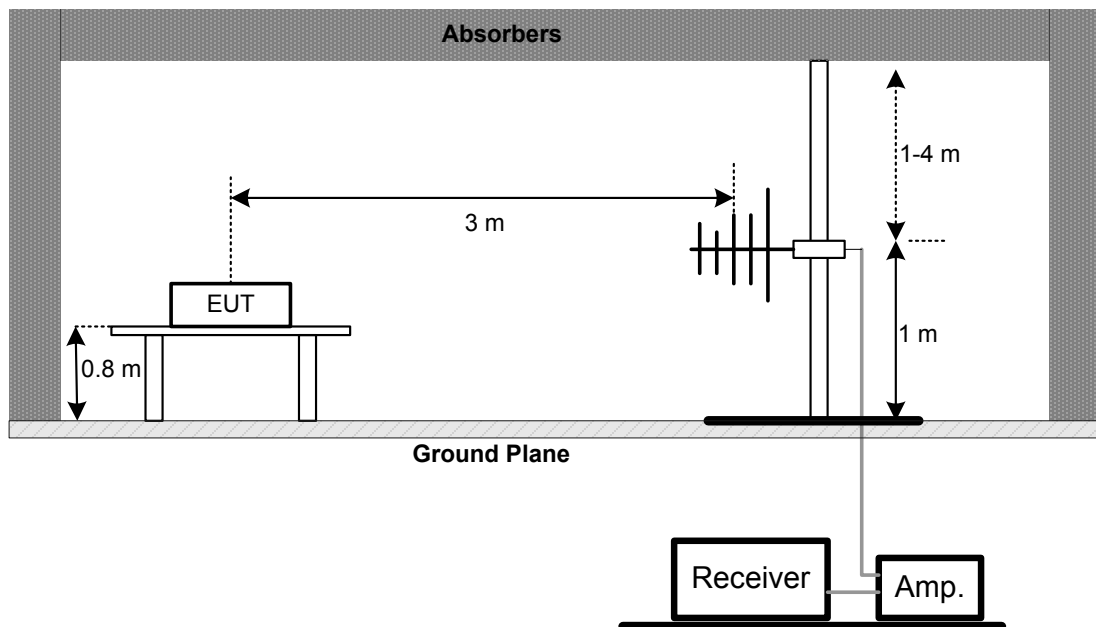
No deviation

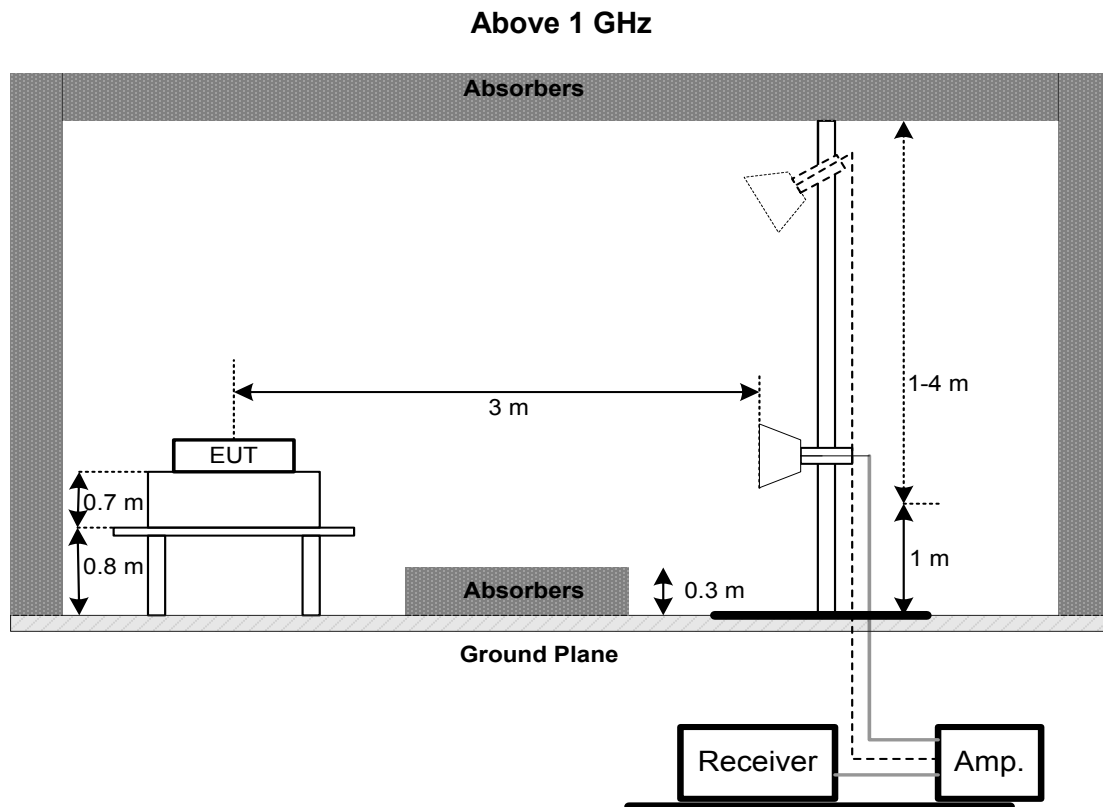
5.4 TEST SETUP

9 kHz-30 MHz



30 MHz to 1 GHz





5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 EUT TEST CONDITIONS

Temperature: 21°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

5.7 TEST RESULTS - 9 KHZ TO 30 MHZ

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.

5.8 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

5.9 TEST RESULTS - ABOVE 1000 MHZ

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.

6. BANDWIDTH TEST

6.1 LIMIT

FCC Part15 (15.247) , Subpart C		
Section	Test Item	Limit
15.247(a)(2)	6 dB Bandwidth	Minimum 500 kHz
	99% Emission Bandwidth	-

6.2 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= 100 kHz, VBW=300 kHz, Sweep time = 2.5 ms.
- The bandwidth was performed in accordance with method 11.8 of ANSI C63.10-2013.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 48% Test Voltage: AC 120V/60Hz

6.7 TEST RESULTS

Please refer to the APPENDIX E.

7. MAXIMUM OUTPUT POWER TEST

7.1 LIMIT

FCC Part15 (15.247)		
Section	Test Item	Limit
15.247(b)(3)	Maximum Output Power	1 Watt or 30dBm

7.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.1.3 of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 48% Test Voltage: AC 120V/60Hz

7.7 TEST RESULTS

Please refer to the APPENDIX F.

8. CONDUCTED SPURIOUS EMISSIONS

8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

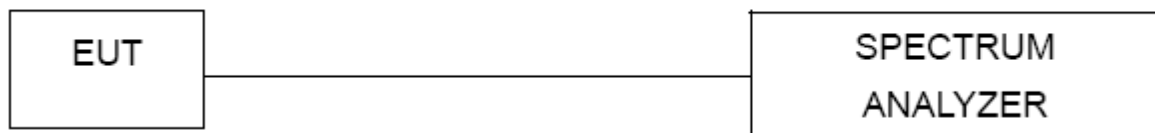
8.2 TEST PROCEDURE

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

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 48% Test Voltage: AC 120V/60Hz

8.7 TEST RESULTS

Please refer to the APPENDIX G.

9. POWER SPECTRAL DENSITY TEST

9.1 LIMIT

FCC Part15 (15.247) , Subpart C		
Section	Test Item	Limit
15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

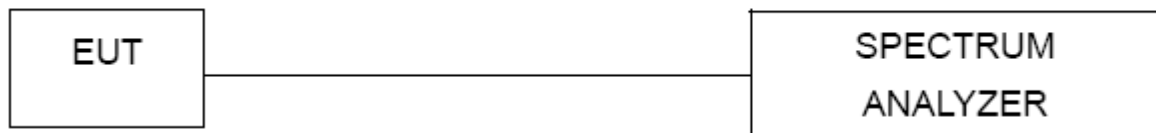
9.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW=3 kHz, VBW=10 kHz, Sweep time = Auto.
- The Power Spectral Density was performed in accordance with method 11.10.2 of ANSI C63.10-2013.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 48% Test Voltage: AC 120V/60Hz

9.7 TEST RESULTS

Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 10, 2020
2	LISN	EMCO	3816/2	52765	Mar. 10, 2020
3	50Ω Terminator	SHX	TF5-3	15041305	Mar. 10, 2020
4	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Jun. 25, 2019
5	TRANSIENT LIMITER	EM	EM-7600	772	Mar. 10, 2020
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
7	Cable	N/A	RG223	12m	Mar. 23, 2019

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EM	EM-6876-1	230	Jan. 15, 2020
2	Cable	N/A	RG 213/U	C-102	Jun. 01, 2019
3	EMI Test Receiver	R&S	ESCI	100382	Mar. 10, 2020
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 09, 2020
2	Amplifier	HP	8447D	2944A09673	Aug. 11, 2019
3	Receiver	Agilent	N9038A	MY52130039	Aug. 11, 2019
4	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	May 25, 2019
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

Radiated Emission - Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Amplifier	HP	8447D	2944A09673	Sep. 04, 2017
2	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
3	Position Control	MF	MF-7802	MF780208416	N/A
4	Antenna	ETS	3115	00075789	Mar. 27, 2017
5	Amplifier	Agilent	8449B	3008A02274	Nov. 01, 2017
6	Test Cable	emci	EMC104-SM-SM-10000(1GHz-26.5 GHz)	C-68	Jun. 26, 2017
7	Controller	CT	SC100	N/A	N/A
8	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
9	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
10	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
11	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

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

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

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

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

11. EUT TEST PHOTO

Conducted Measurement Photos



Radiated Measurement Photos

9KHz to 30MHz



Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

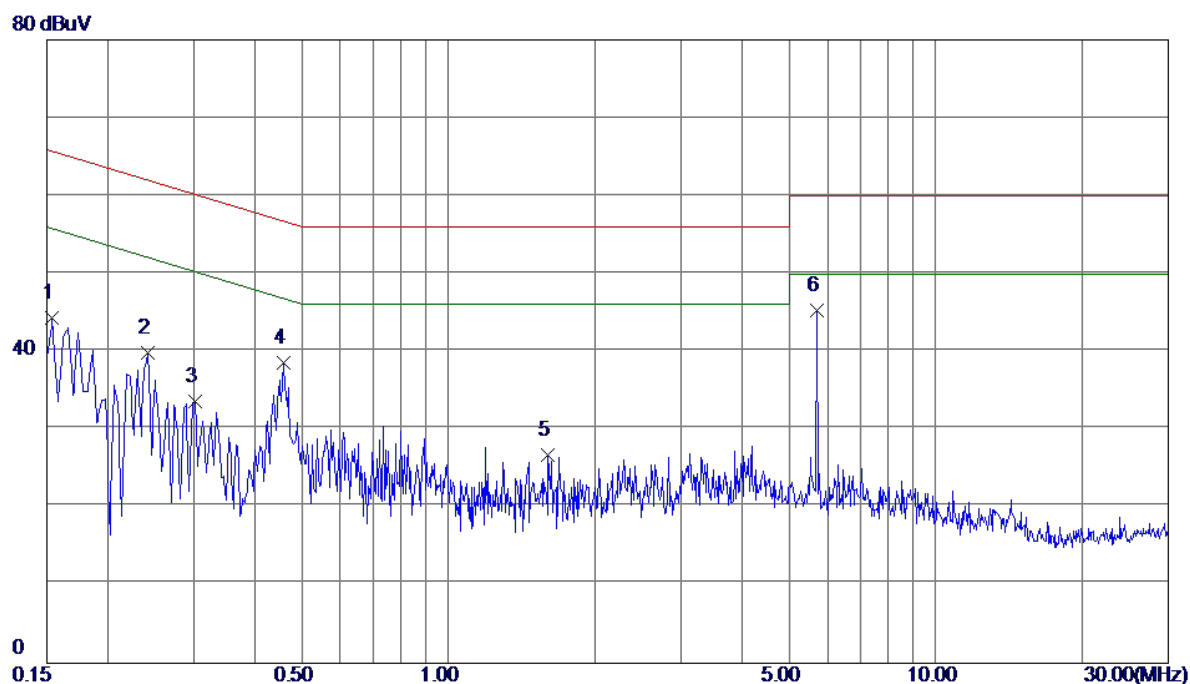
Above 1000MHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode : TX Mode_power borad: LPL-M005050100

Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1539	34.77	9.57	44.34	65.79	-21.45	Peak	
2	0.2420	30.20	9.57	39.77	62.03	-22.26	Peak	
3	0.3020	23.98	9.58	33.56	60.19	-26.63	Peak	
4	0.4580	28.95	9.65	38.60	56.73	-18.13	Peak	
5	1.6019	16.68	9.98	26.66	56.00	-29.34	Peak	
6 *	5.6940	34.93	10.30	45.23	60.00	-14.77	Peak	

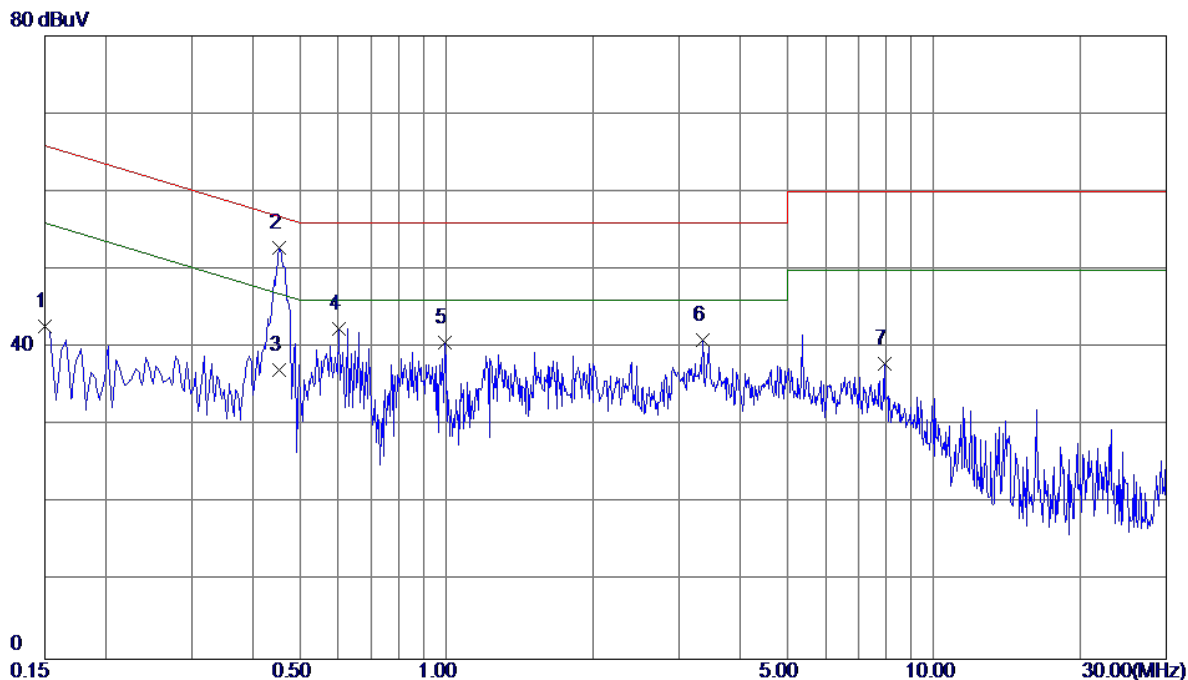
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX Mode_power borad: LPL-M005050100

Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1500	33.19	9.57	42.76	66.00	-23.24	Peak	
2 *	0.4540	43.37	9.49	52.86	56.80	-3.94	Peak	
3	0.4540	27.70	9.49	37.19	46.80	-9.61	AVG	
4	0.6020	32.95	9.50	42.45	56.00	-13.55	Peak	
5	0.9940	30.85	9.74	40.59	56.00	-15.41	Peak	
6	3.3580	30.97	10.01	40.98	56.00	-15.02	Peak	
7	7.9300	27.61	10.32	37.93	60.00	-22.07	Peak	

REMARKS:

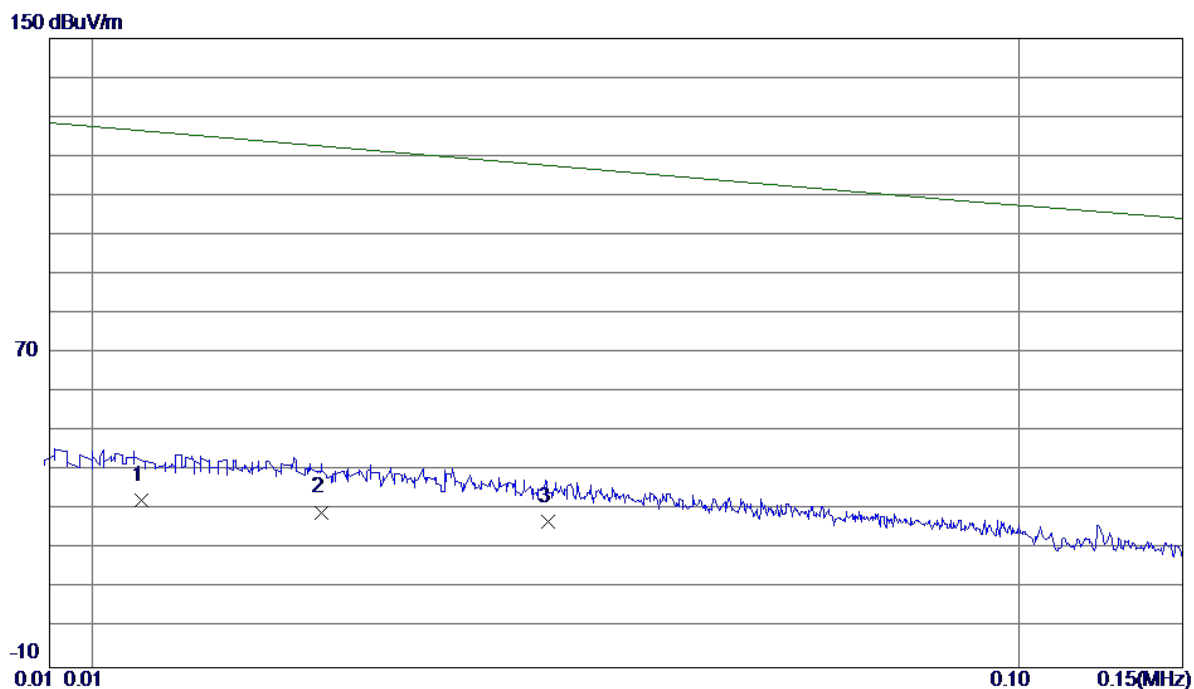
(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9KHZ TO 30MHZ

Test Mode: TX B MODE CHANNEL 01

Ant 0°



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	0.0113	32.60	0.02	32.62	127.93	-95.31	AVG	
2	0.0177	29.50	0.02	29.52	126.35	-96.83	AVG	
3	0.0310	27.10	0.02	27.12	123.06	-95.94	AVG	

REMARKS:

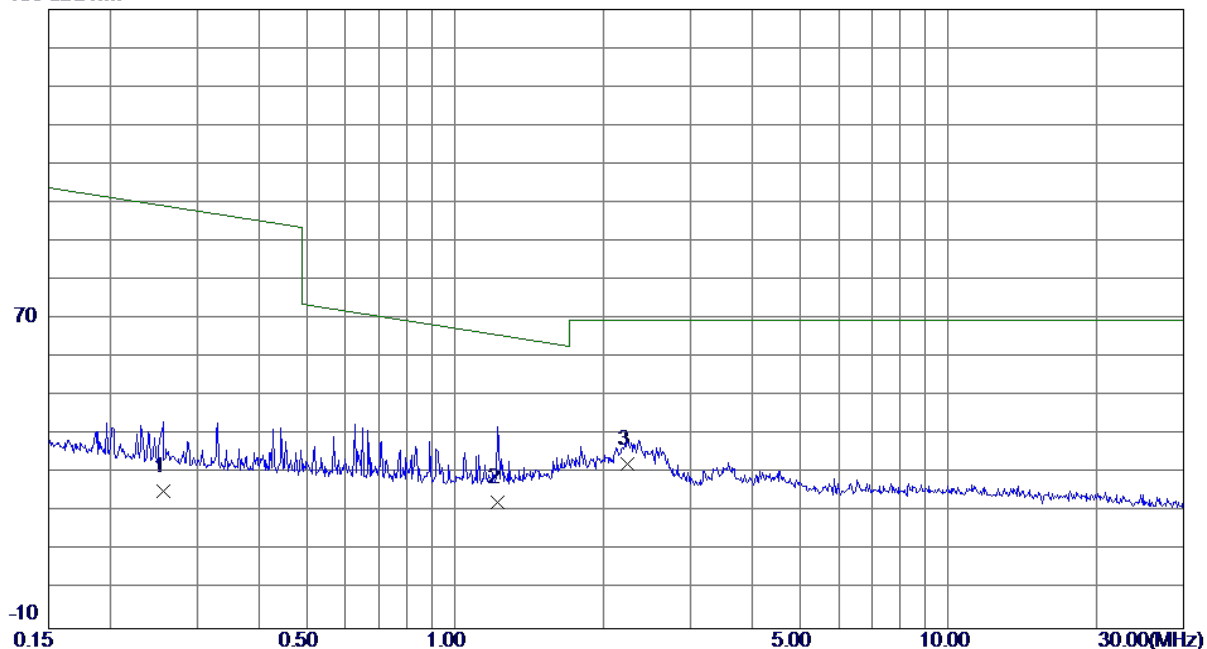
(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B MODE CHANNEL 01

Ant 0°

150 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2562	25.60	0.05	25.65	101.78	-76.13	AVG	
2	1.2226	22.70	0.09	22.79	67.27	-44.48	QP	
3 *	2.2367	32.40	0.11	32.51	69.54	-37.03	QP	

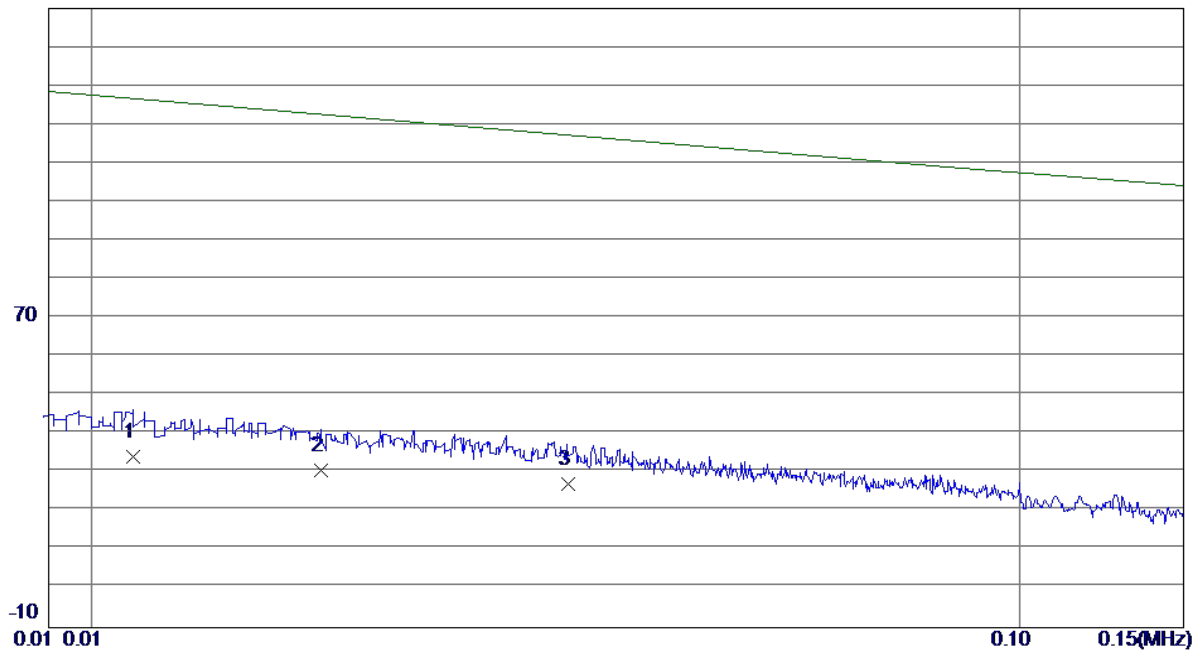
REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B MODE CHANNEL 01

Ant 90°

150 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	0.0111	34.10	0.02	34.12	127.98	-93.86	AVG	
2	0.0177	30.60	0.02	30.62	126.35	-95.73	AVG	
3	0.0326	27.20	0.02	27.22	122.67	-95.45	AVG	

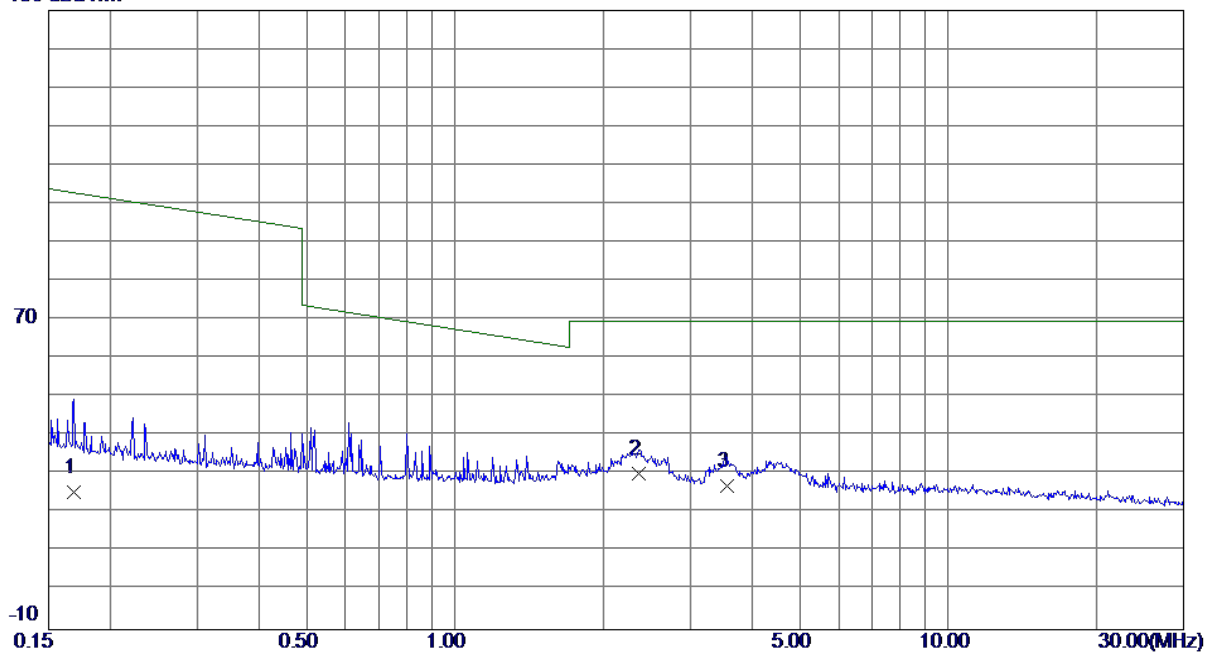
REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B MODE CHANNEL 01

Ant 90°

150 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.1685	25.40	0.04	25.44	104.78	-79.34	AVG	
2 *	2.3585	30.20	0.11	30.31	69.54	-39.23	QP	
3	3.5654	26.90	0.14	27.04	69.54	-42.50	QP	

REMARKS:

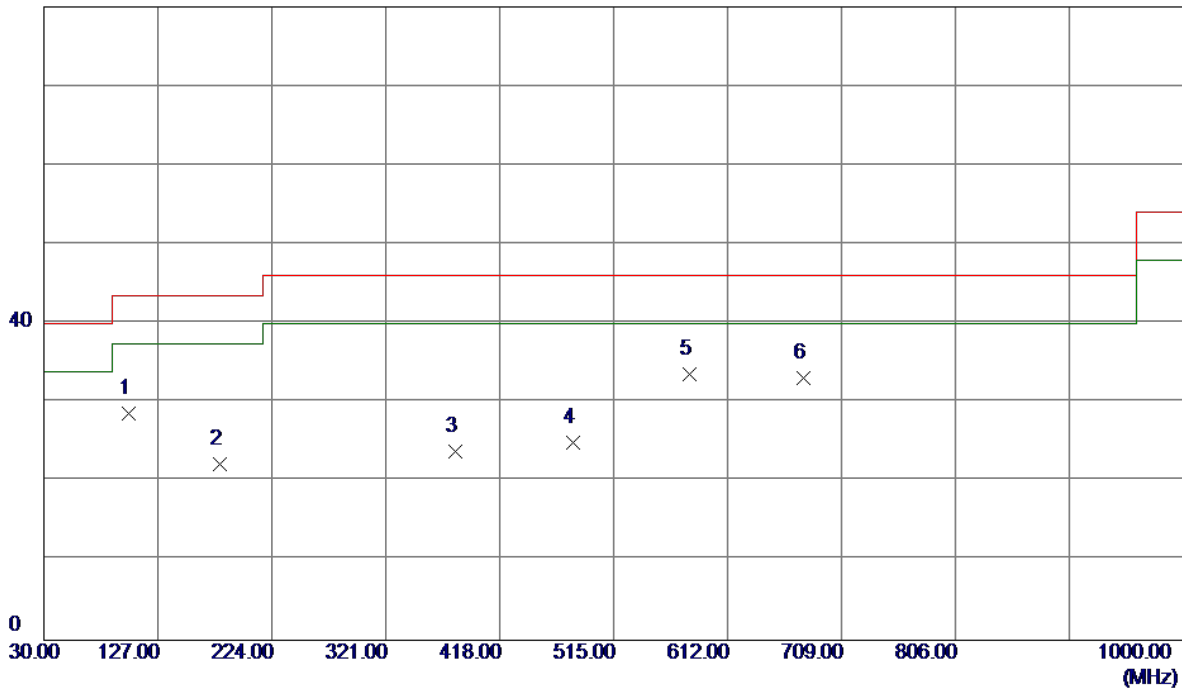
- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30MHZ TO 1000MHZ

Test Mode: TX B MODE CHANNEL 01_power borad: LPL-M005050100

Vertical

80 dBuV/m



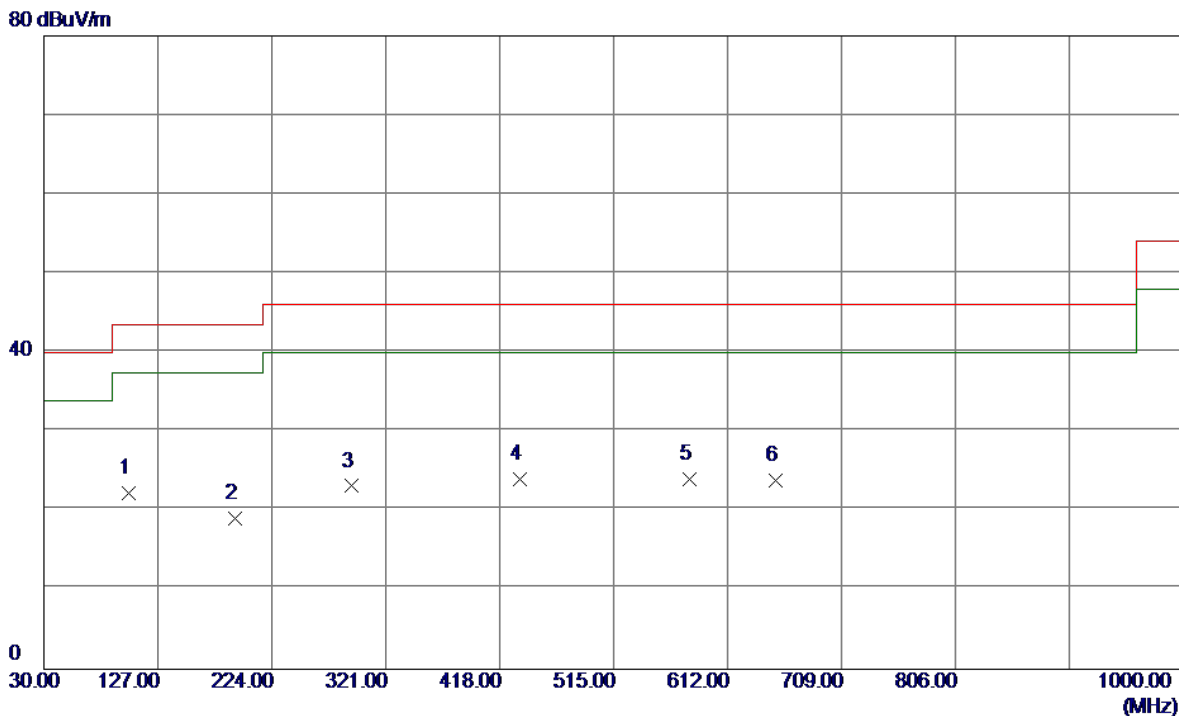
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	101.7800	43.89	-15.32	28.57	43.50	-14.93	Peak	
2	179.3800	35.05	-12.80	22.25	43.50	-21.25	Peak	
3	380.1700	33.02	-9.14	23.88	46.00	-22.12	Peak	
4	480.0800	33.98	-9.03	24.95	46.00	-21.05	Peak	
5 *	579.9900	39.67	-6.05	33.62	46.00	-12.38	Peak	
6	676.9900	36.13	-3.06	33.07	46.00	-12.93	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX B MODE CHANNEL 01_power borad: LPL-M005050100
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Horizontal



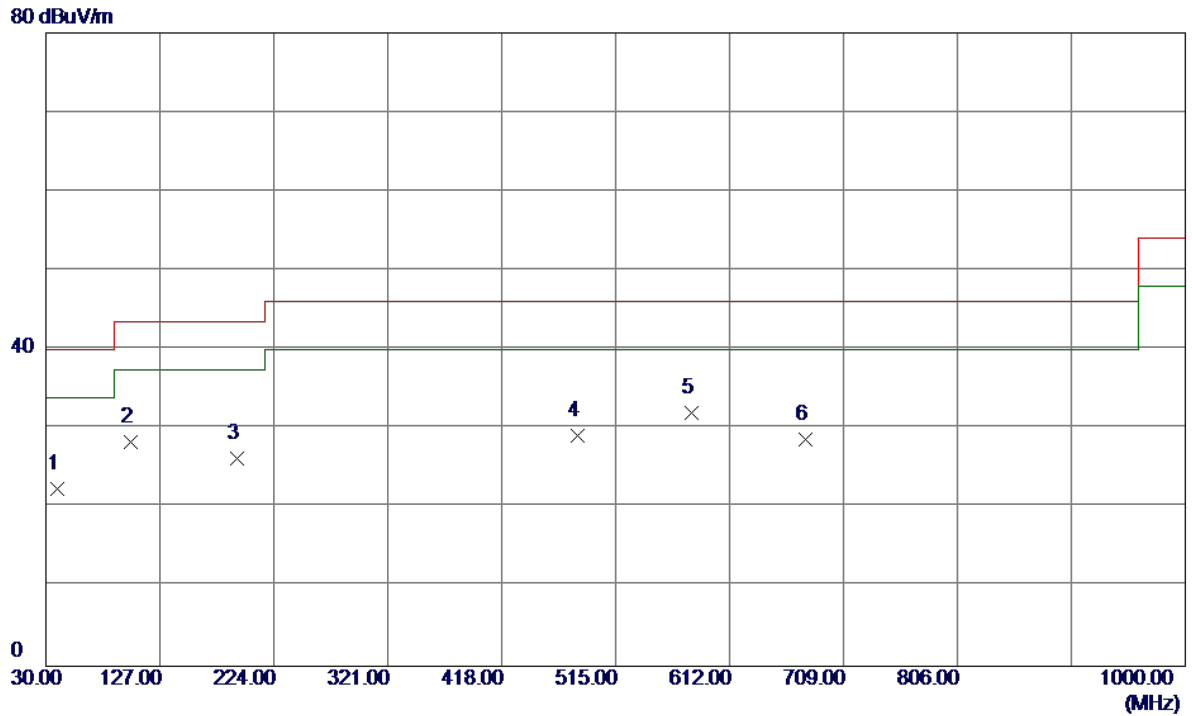
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	101.7800	37.55	-15.32	22.23	43.50	-21.27	Peak	
2	192.9600	33.10	-14.08	19.02	43.50	-24.48	Peak	
3	291.9000	34.16	-11.04	23.12	46.00	-22.88	Peak	
4	435.4600	31.92	-7.94	23.98	46.00	-22.02	Peak	
5	579.9900	30.00	-6.05	23.95	46.00	-22.05	Peak	
6	652.7400	27.95	-4.07	23.88	46.00	-22.12	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX B MODE CHANNEL 06_power borad: LPL-M005050100
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Vertical



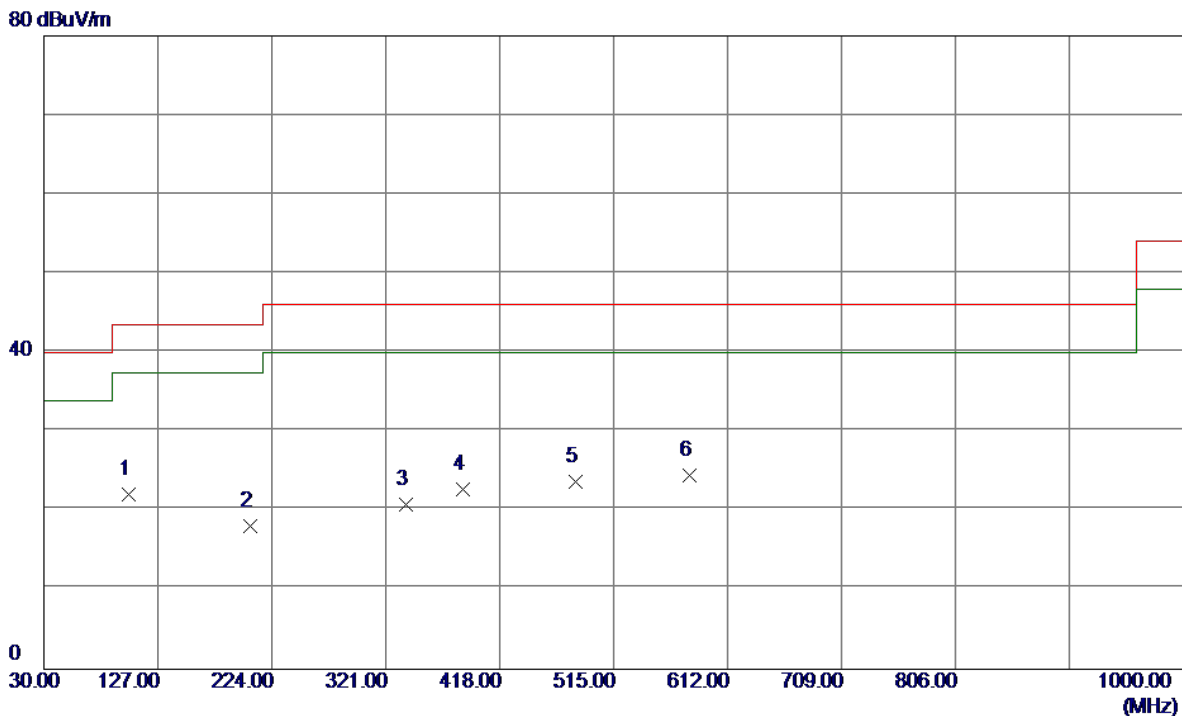
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	39.7000	36.38	-13.95	22.43	40.00	-17.57	Peak	
2	101.7800	43.58	-15.32	28.26	43.50	-15.24	Peak	
3	192.9600	40.36	-14.08	26.28	43.50	-17.22	Peak	
4	482.9900	38.26	-9.13	29.13	46.00	-16.87	Peak	
5 *	579.9900	38.12	-6.05	32.07	46.00	-13.93	Peak	
6	676.9900	31.66	-3.06	28.60	46.00	-17.40	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B MODE CHANNEL 06_power borad: LPL-M005050100

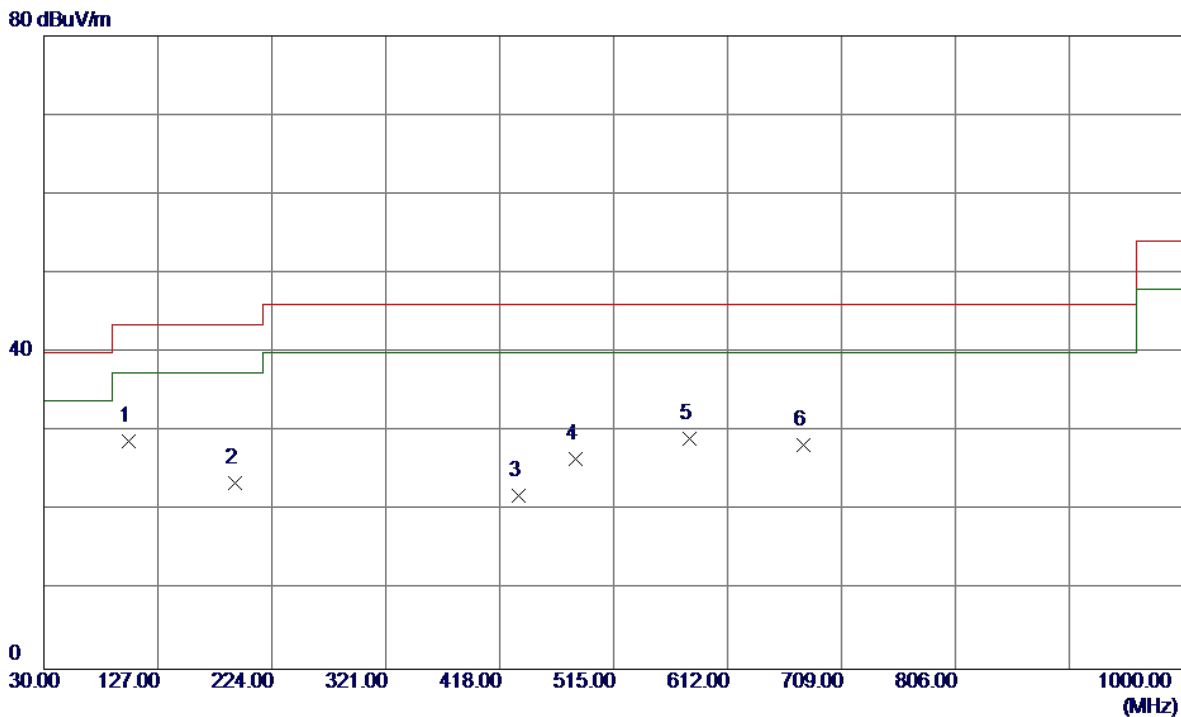
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	101.7800	37.33	-15.32	22.01	43.50	-21.49	Peak	
2	205.5700	32.56	-14.55	18.01	43.50	-25.49	Peak	
3	338.4600	31.77	-10.98	20.79	46.00	-25.21	Peak	
4	386.9600	31.43	-8.68	22.75	46.00	-23.25	Peak	
5	482.9900	32.77	-9.13	23.64	46.00	-22.36	Peak	
6 *	579.9900	30.57	-6.05	24.52	46.00	-21.48	Peak	

Test Mode:	TX B MODE CHANNEL 11_power borad: LPL-M005050100
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Vertical



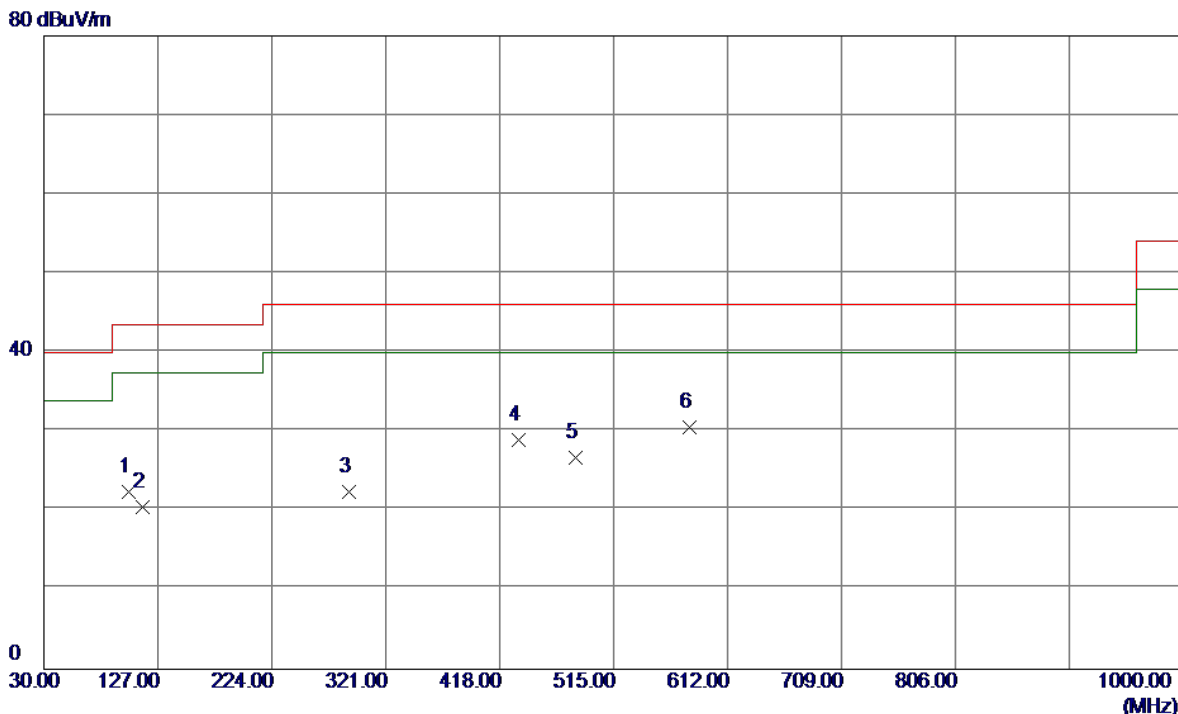
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	101.7800	44.14	-15.32	28.82	43.50	-14.68	Peak	
2	192.9600	37.58	-14.08	23.50	43.50	-20.00	Peak	
3	434.4900	29.90	-7.93	21.97	46.00	-24.03	Peak	
4	482.9900	35.67	-9.13	26.54	46.00	-19.46	Peak	
5	579.9900	35.10	-6.05	29.05	46.00	-16.95	Peak	
6	676.9900	31.41	-3.06	28.35	46.00	-17.65	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B MODE CHANNEL 11_power borad: LPL-M005050100

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	37.69	-15.32	22.37	43.50	-21.13	Peak	
2	114.3900	34.66	-14.13	20.53	43.50	-22.97	Peak	
3	289.9600	33.63	-11.25	22.38	46.00	-23.62	Peak	
4	434.4900	36.96	-7.93	29.03	46.00	-16.97	Peak	
5	482.9900	35.85	-9.13	26.72	46.00	-19.28	Peak	
6 *	579.9900	36.56	-6.05	30.51	46.00	-15.49	Peak	

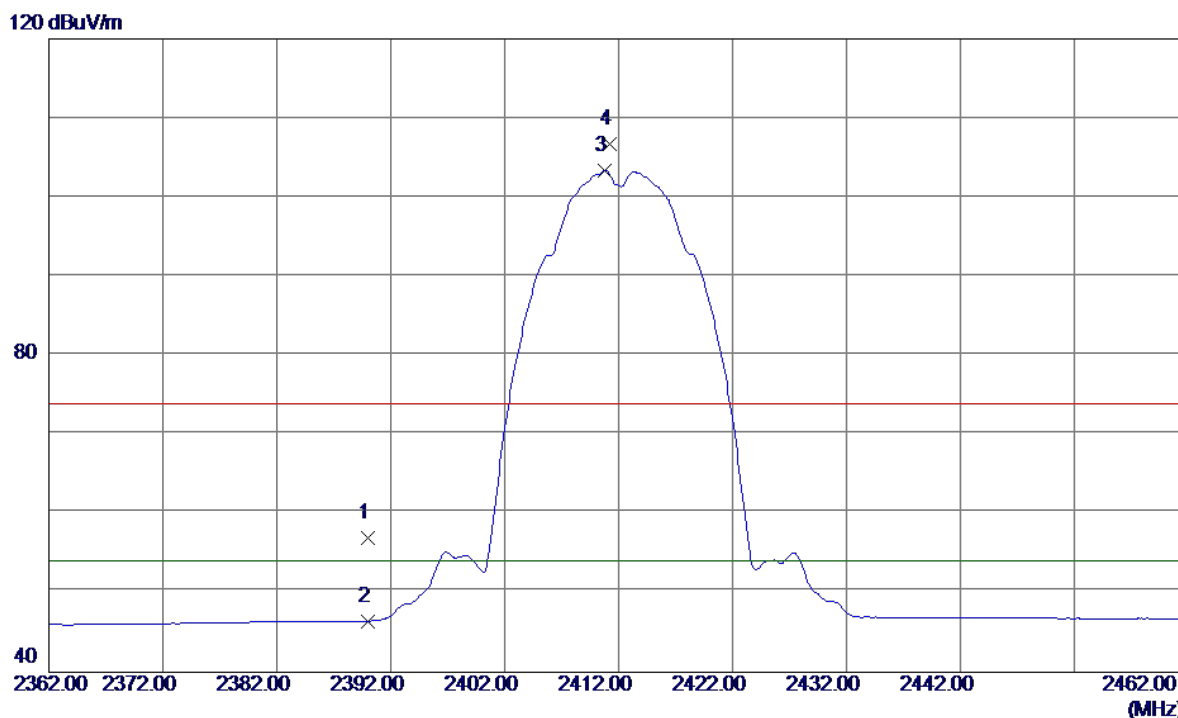
REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000MHZ

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

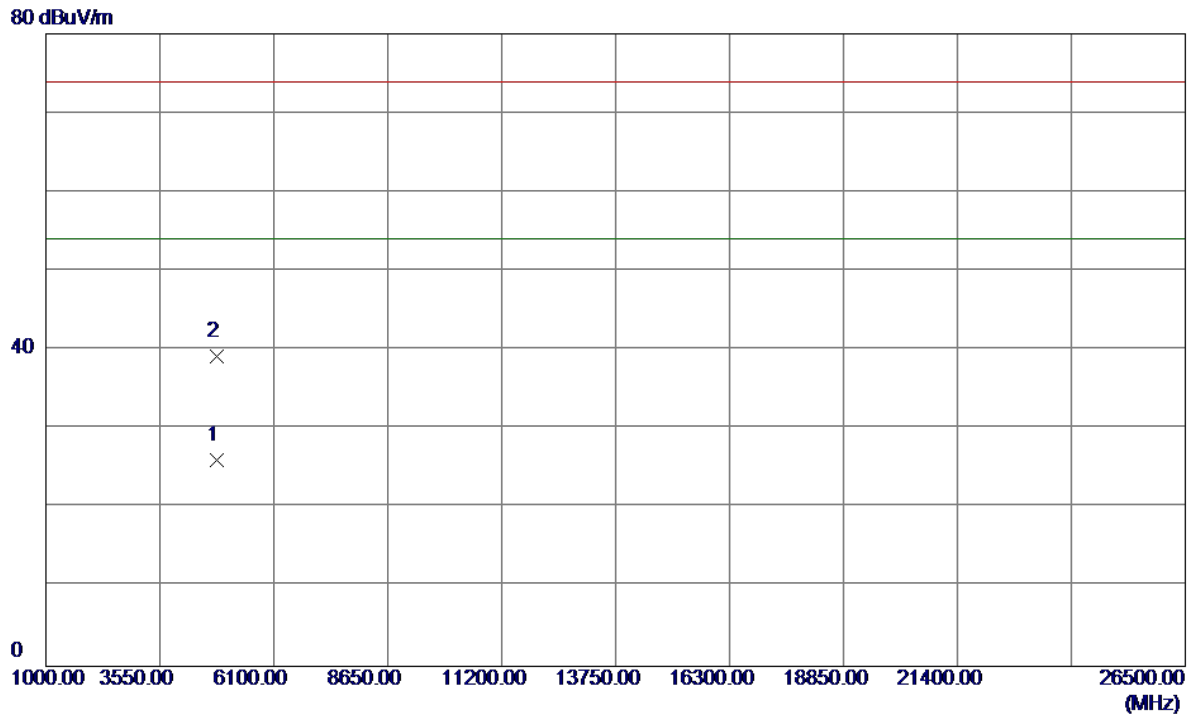
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.98	33.01	56.99	74.00	-17.01	Peak	
2	2390.0000	13.45	33.01	46.46	54.00	-7.54	AVG	
3 *	2410.8000	70.33	33.10	103.43	54.00	49.43	AVG	No Limit
4	2411.2000	73.65	33.10	106.75	74.00	32.75	Peak	No Limit

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

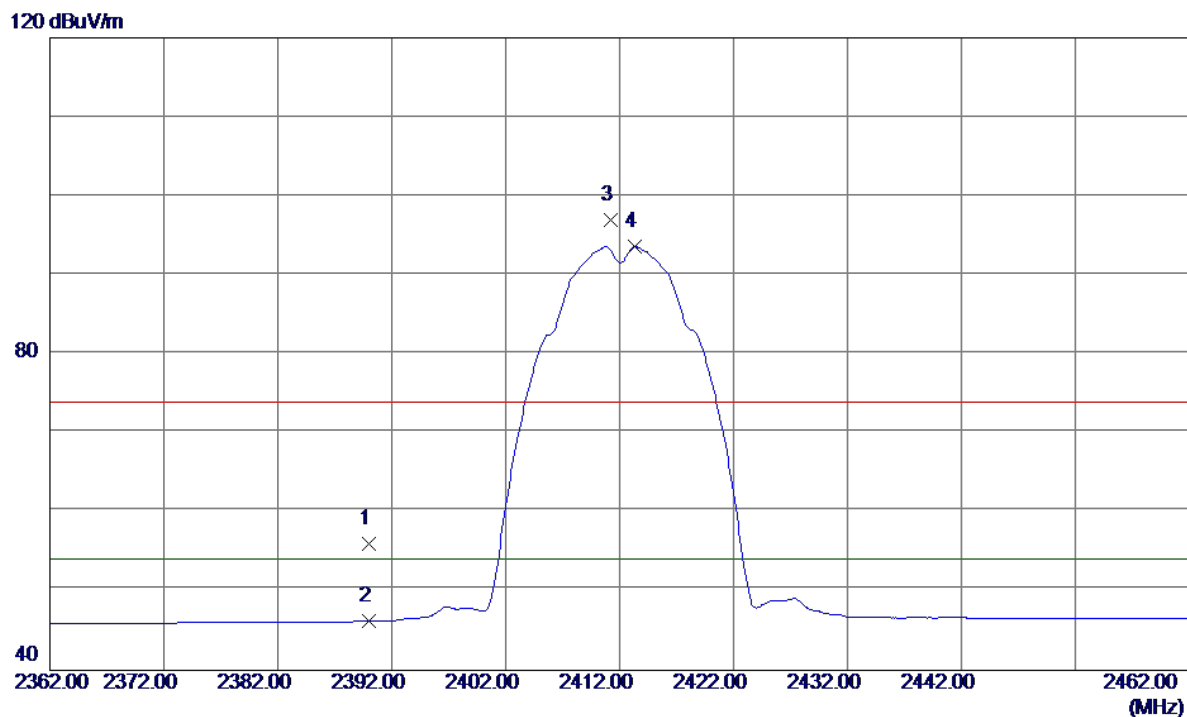
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0150	21.29	4.85	26.14	54.00	-27.86	AVG	
2	4826.1850	34.34	4.86	39.20	74.00	-34.80	Peak	

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

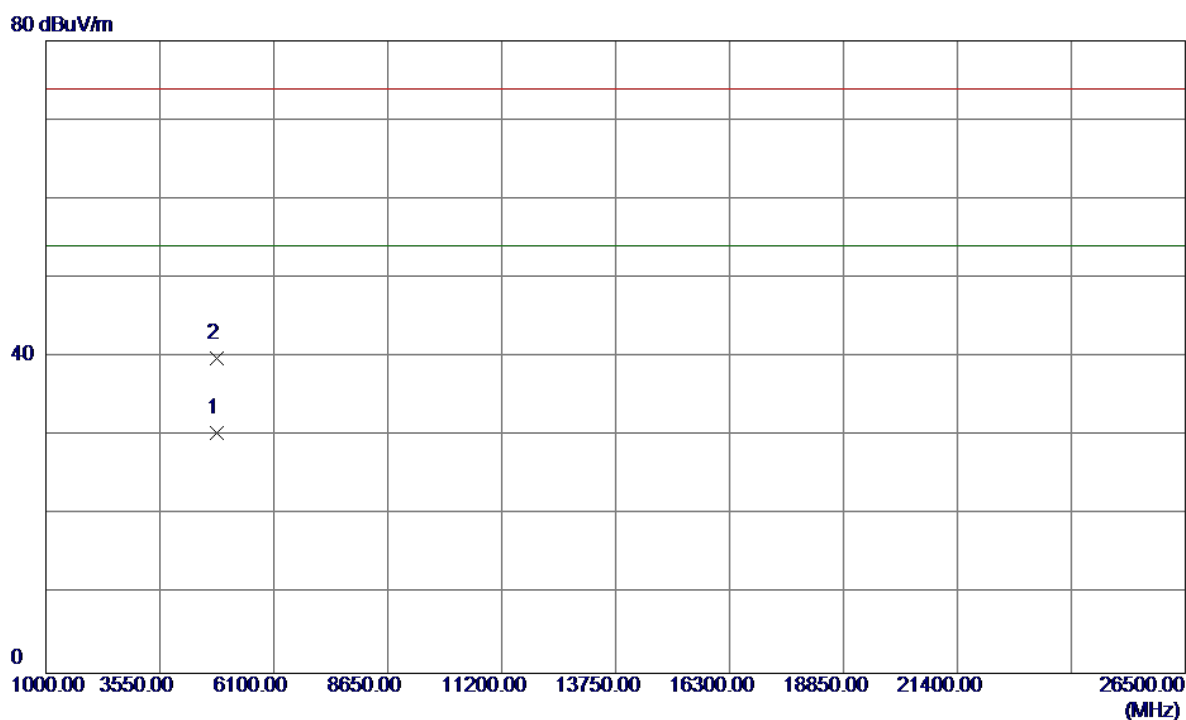
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.03	33.01	56.04	74.00	-17.96	Peak	
2	2390.0000	13.18	33.01	46.19	54.00	-7.81	AVG	
3	2411.2000	63.87	33.10	96.97	74.00	22.97	Peak	No Limit
4 *	2413.3000	60.52	33.11	93.63	54.00	39.63	AVG	No Limit

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

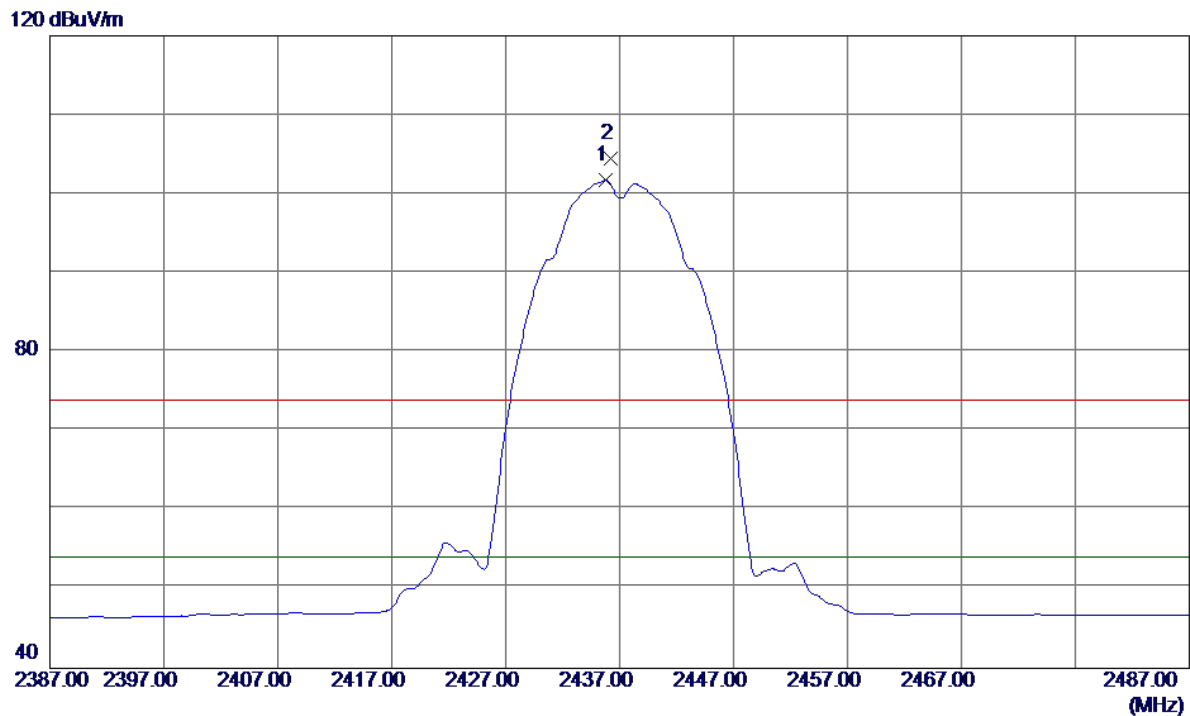
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0250	25.53	4.85	30.38	54.00	-23.62	AVG	
2	4824.1800	35.00	4.85	39.85	74.00	-34.15	Peak	

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

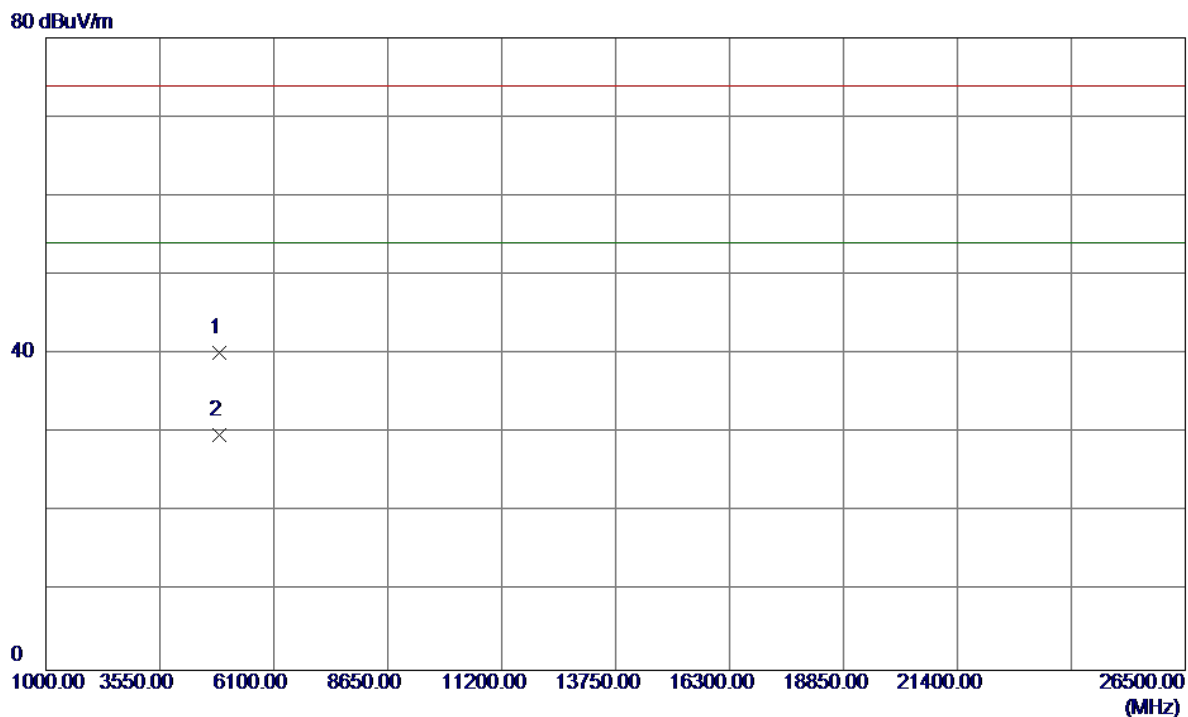
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.8000	68.51	33.20	101.71	54.00	47.71	AVG	No Limit
2	2436.2000	71.34	33.20	104.54	74.00	30.54	Peak	No Limit

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

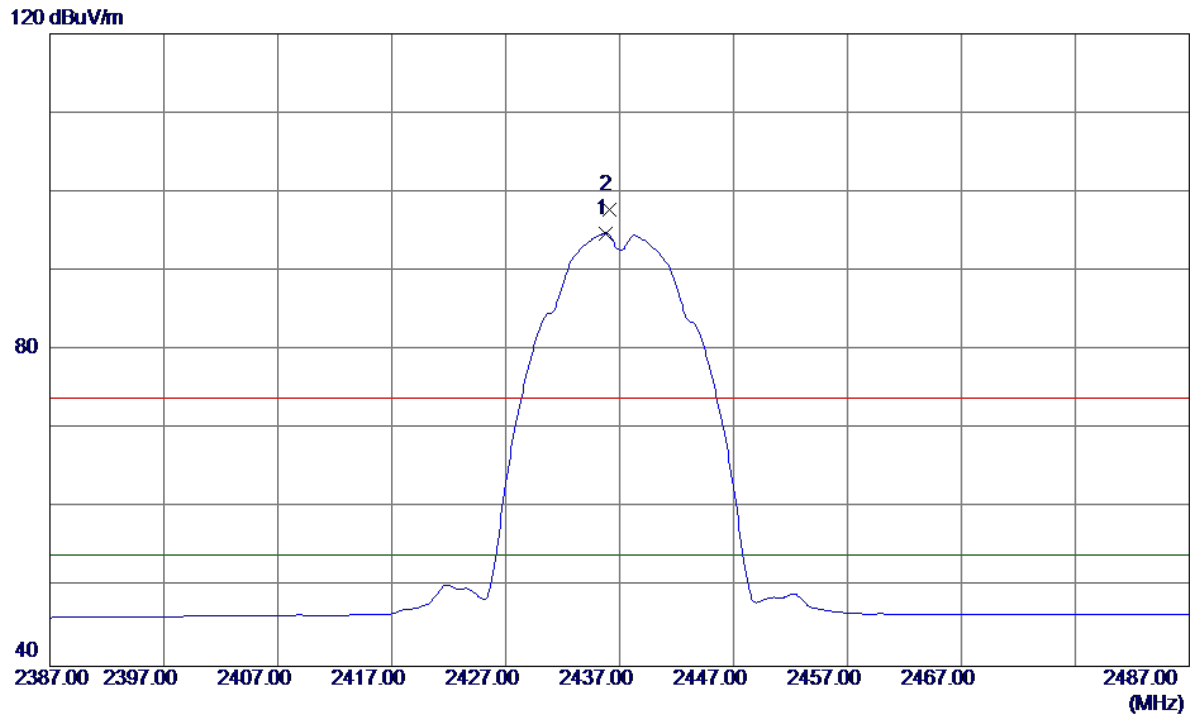
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.5200	35.09	5.06	40.15	74.00	-33.85	Peak	
2 *	4874.0299	24.72	5.07	29.79	54.00	-24.21	AVG	

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

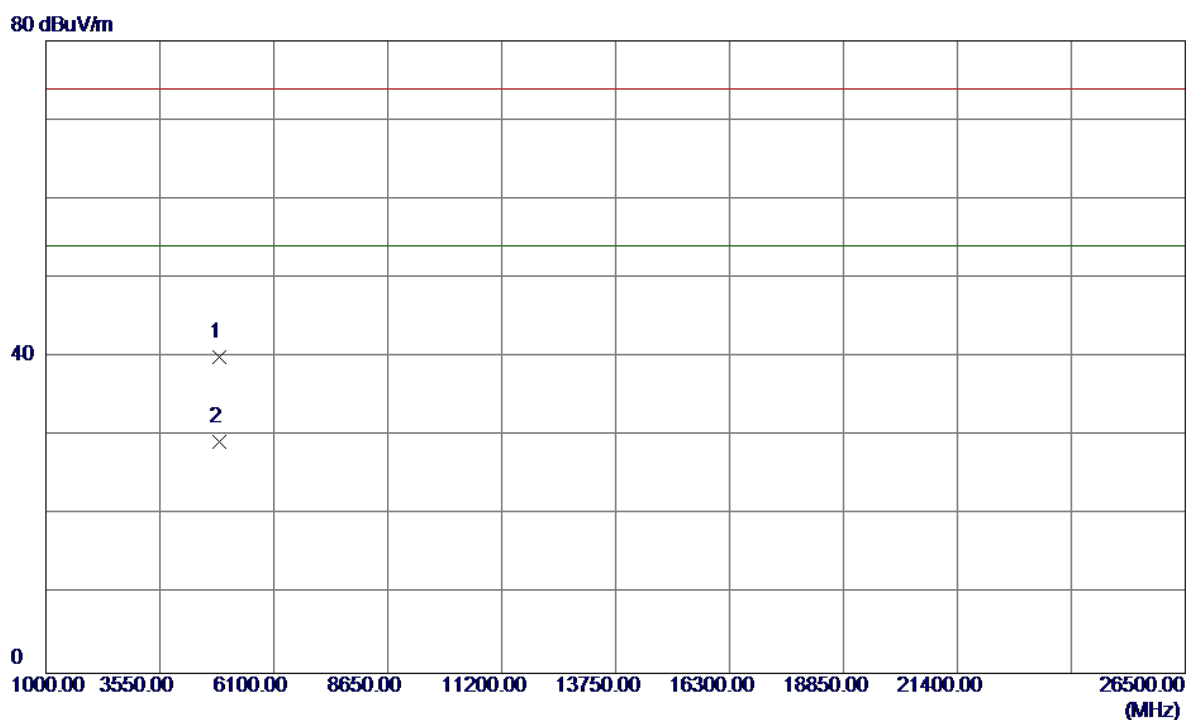
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.8000	61.60	33.20	94.80	54.00	40.80	AVG	No Limit
2	2436.1000	64.57	33.20	97.77	74.00	23.77	Peak	No Limit

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

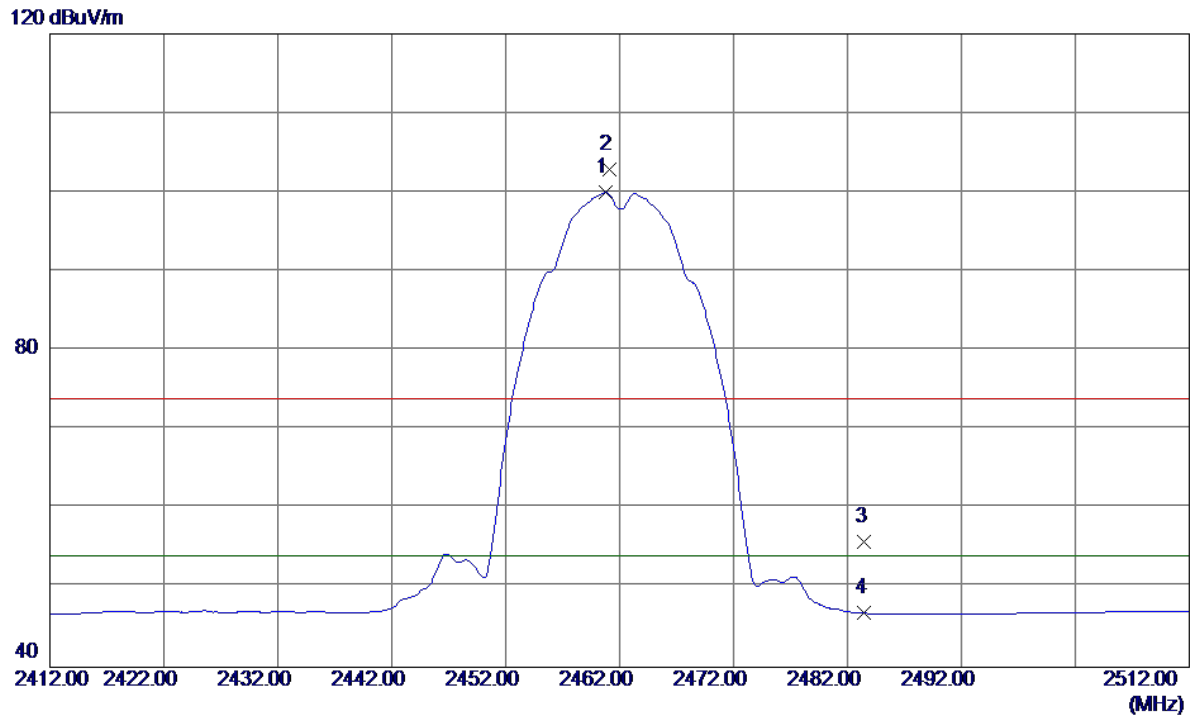
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0000	34.93	5.07	40.00	74.00	-34.00	Peak	
2 *	4874.0450	24.14	5.07	29.21	54.00	-24.79	AVG	

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

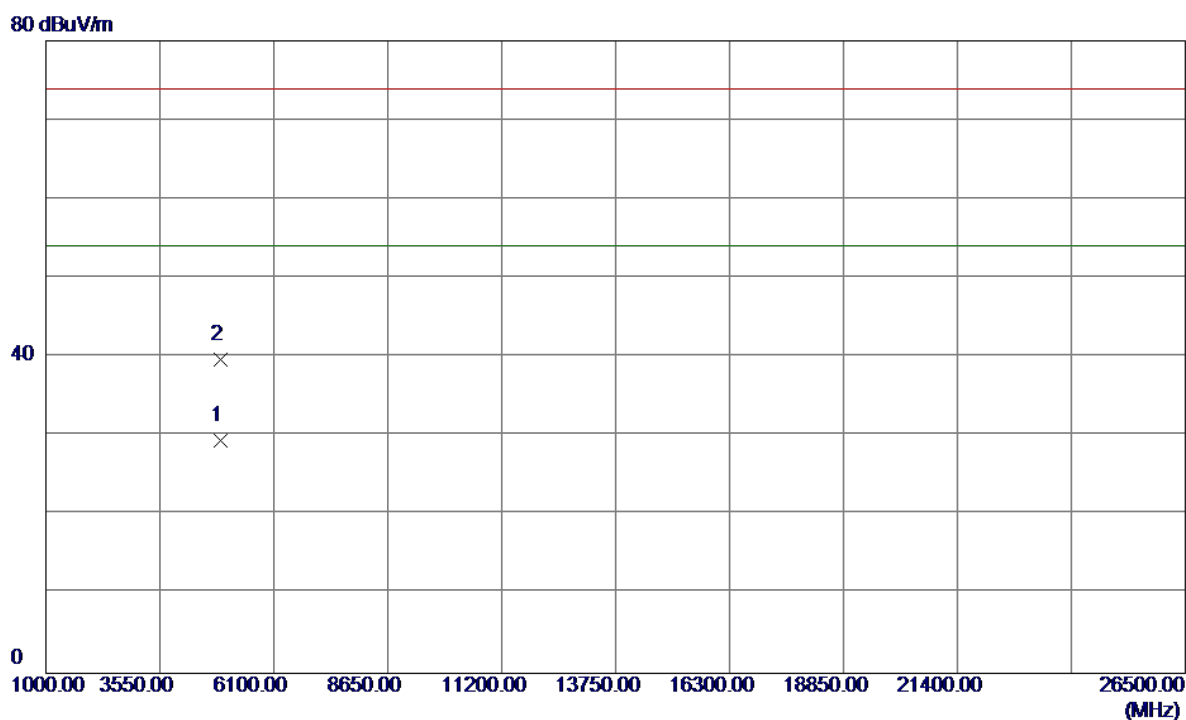
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2460.8000	66.67	33.31	99.98	54.00	45.98	AVG	No Limit
2	2461.1000	69.62	33.31	102.93	74.00	28.93	Peak	No Limit
3	2483.5000	22.49	33.40	55.89	74.00	-18.11	Peak	
4	2483.5000	13.42	33.40	46.82	54.00	-7.18	AVG	

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

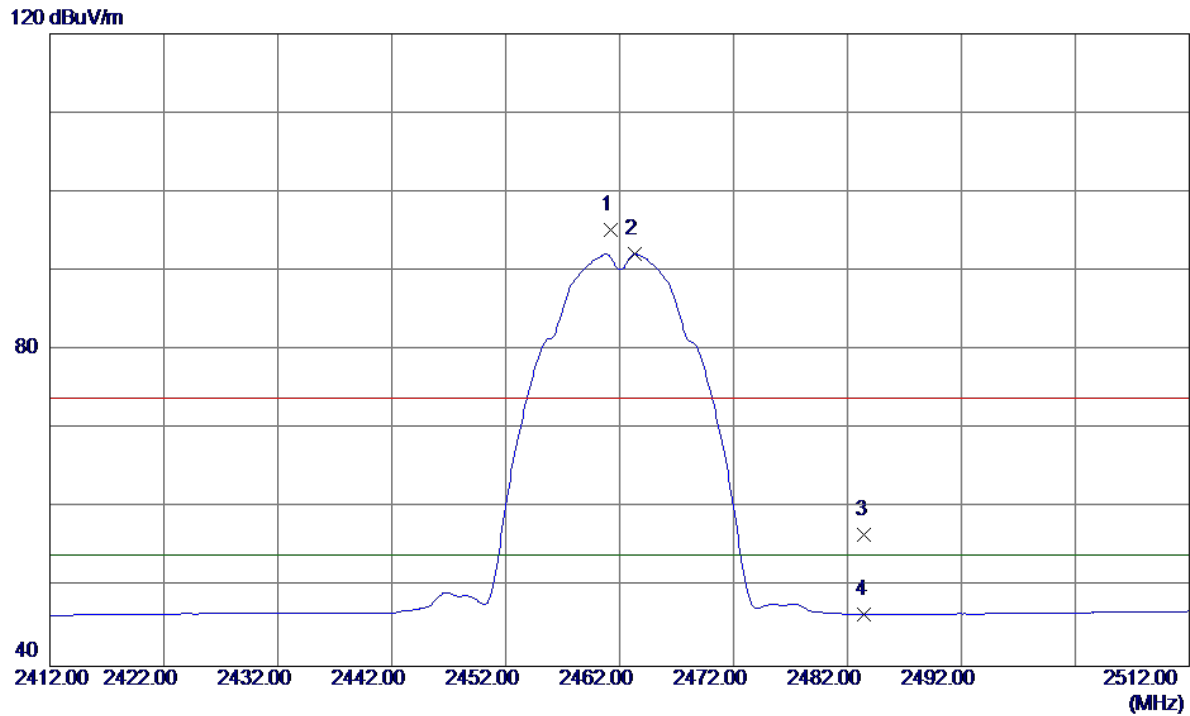
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0200	24.13	5.28	29.41	54.00	-24.59	AVG	
2	4924.0600	34.44	5.28	39.72	74.00	-34.28	Peak	

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

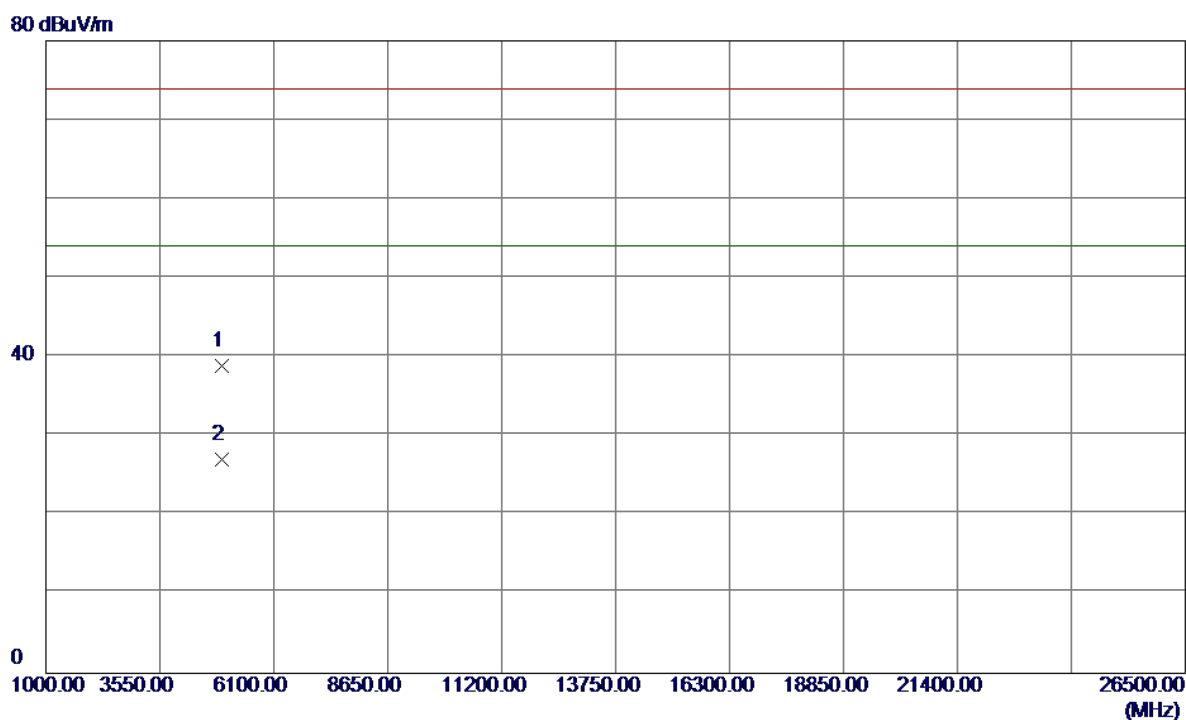
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.2000	61.84	33.31	95.15	74.00	21.15	Peak	No Limit
2 *	2463.3000	58.89	33.32	92.21	54.00	38.21	AVG	No Limit
3	2483.5000	23.21	33.40	56.61	74.00	-17.39	Peak	
4	2483.5000	13.19	33.40	46.59	54.00	-7.41	AVG	

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

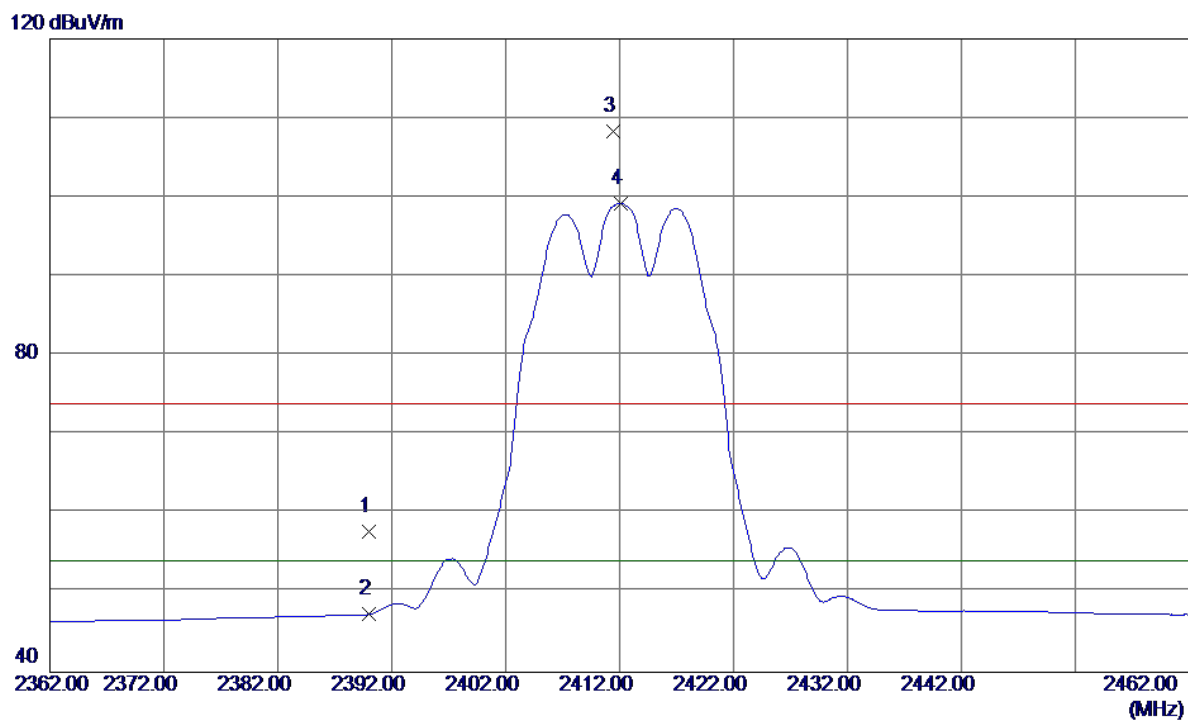
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.8650	33.58	5.28	38.86	74.00	-35.14	Peak	
2 *	4925.8300	21.78	5.29	27.07	54.00	-26.93	AVG	

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

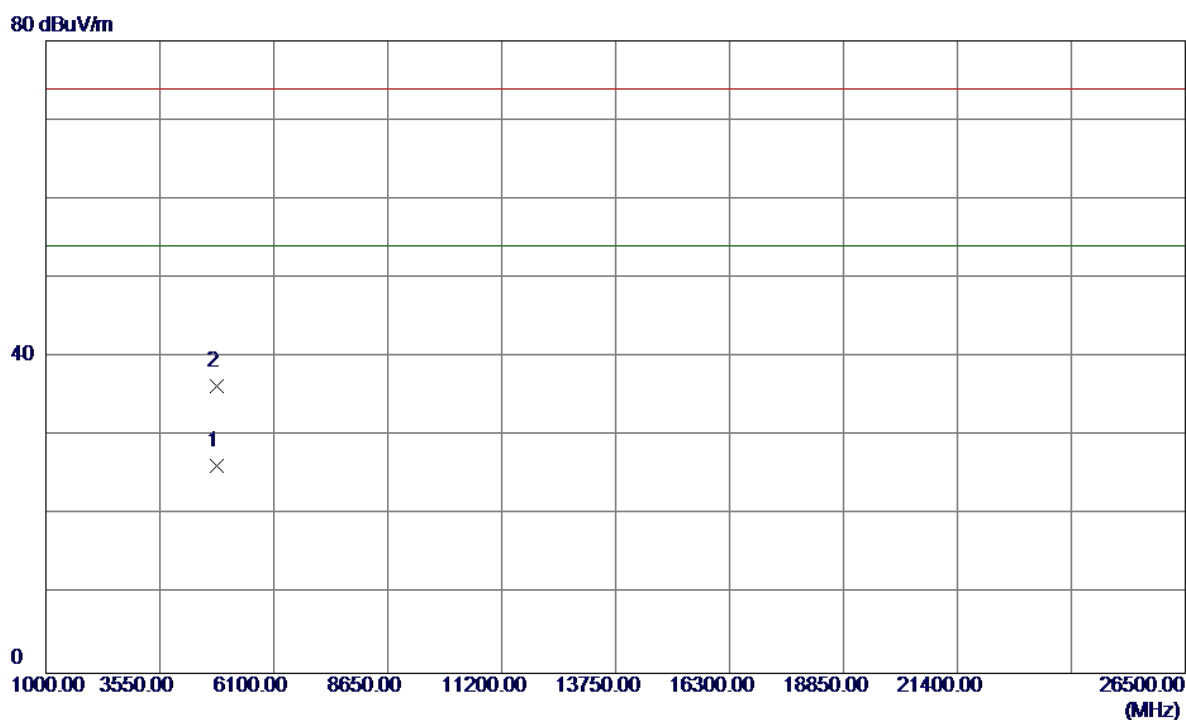
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.75	33.01	57.76	74.00	-16.24	Peak	
2	2390.0000	14.31	33.01	47.32	54.00	-6.68	AVG	
3	2411.4000	75.27	33.10	108.37	74.00	34.37	Peak	No Limit
4 *	2412.1000	66.08	33.10	99.18	54.00	45.18	AVG	No Limit

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

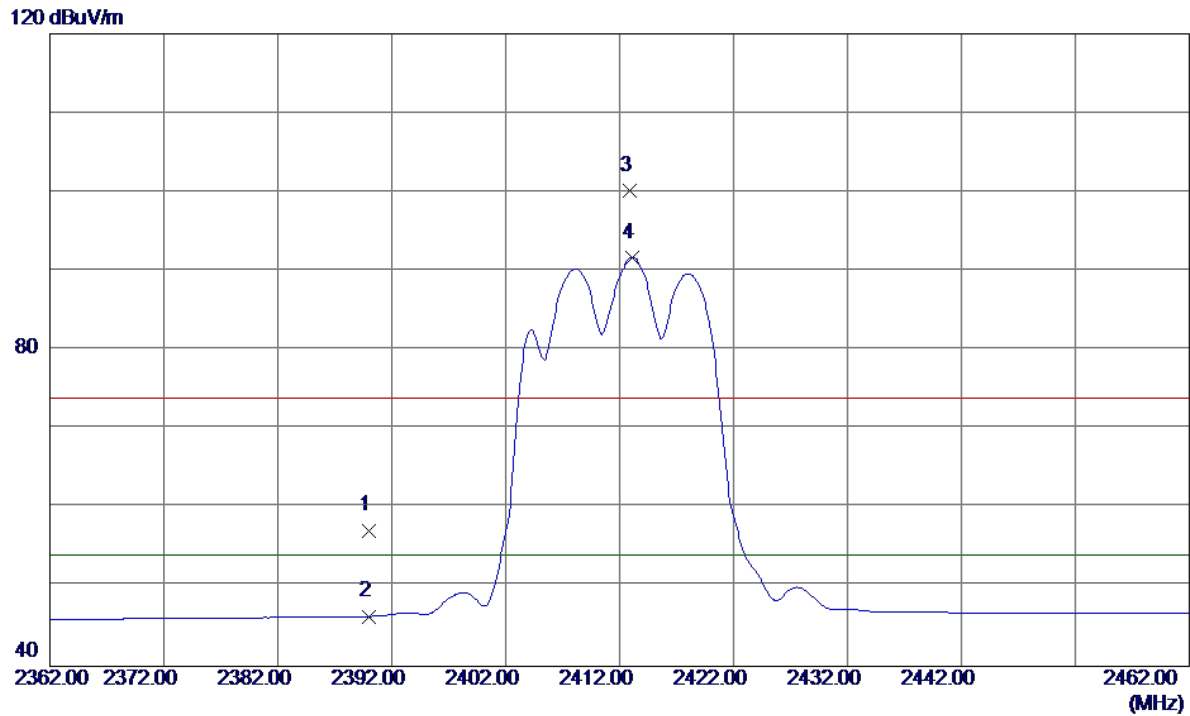
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4825.8950	21.31	4.86	26.17	54.00	-27.83	AVG	
2	4826.6200	31.47	4.86	36.33	74.00	-37.67	Peak	

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

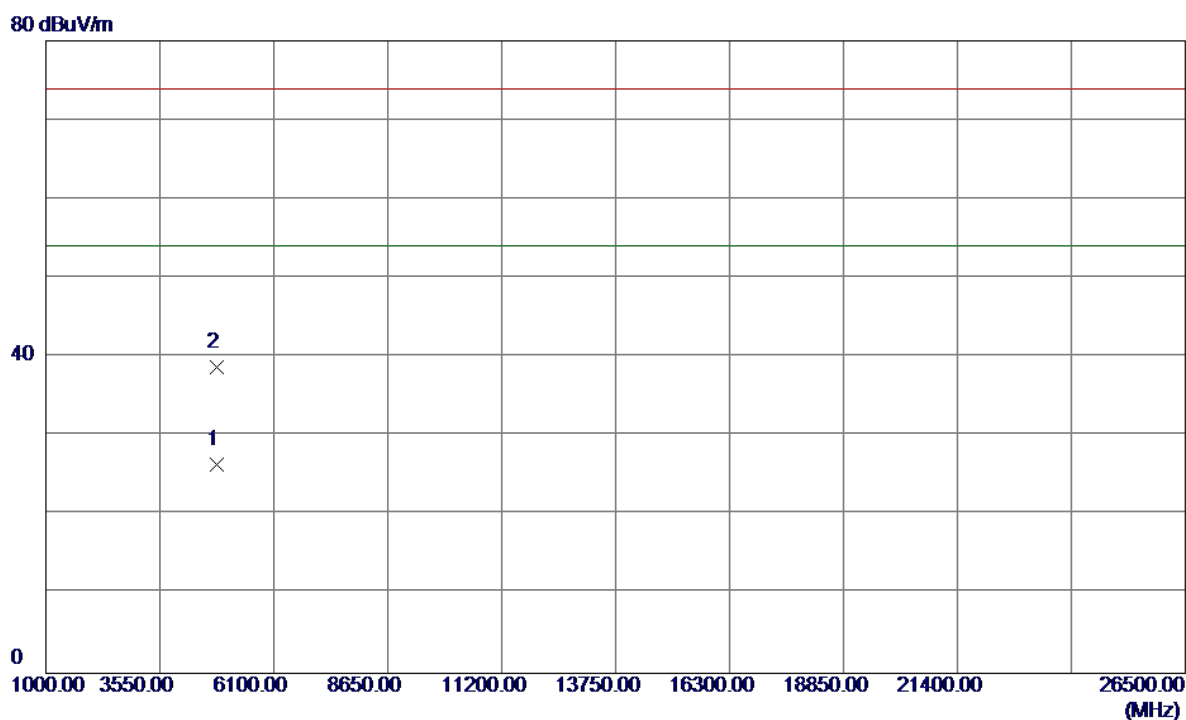
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.19	33.01	57.20	74.00	-16.80	Peak	
2	2390.0000	13.31	33.01	46.32	54.00	-7.68	AVG	
3	2412.9000	67.06	33.11	100.17	74.00	26.17	Peak	No Limit
4 *	2413.1000	58.64	33.11	91.75	54.00	37.75	AVG	No Limit

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

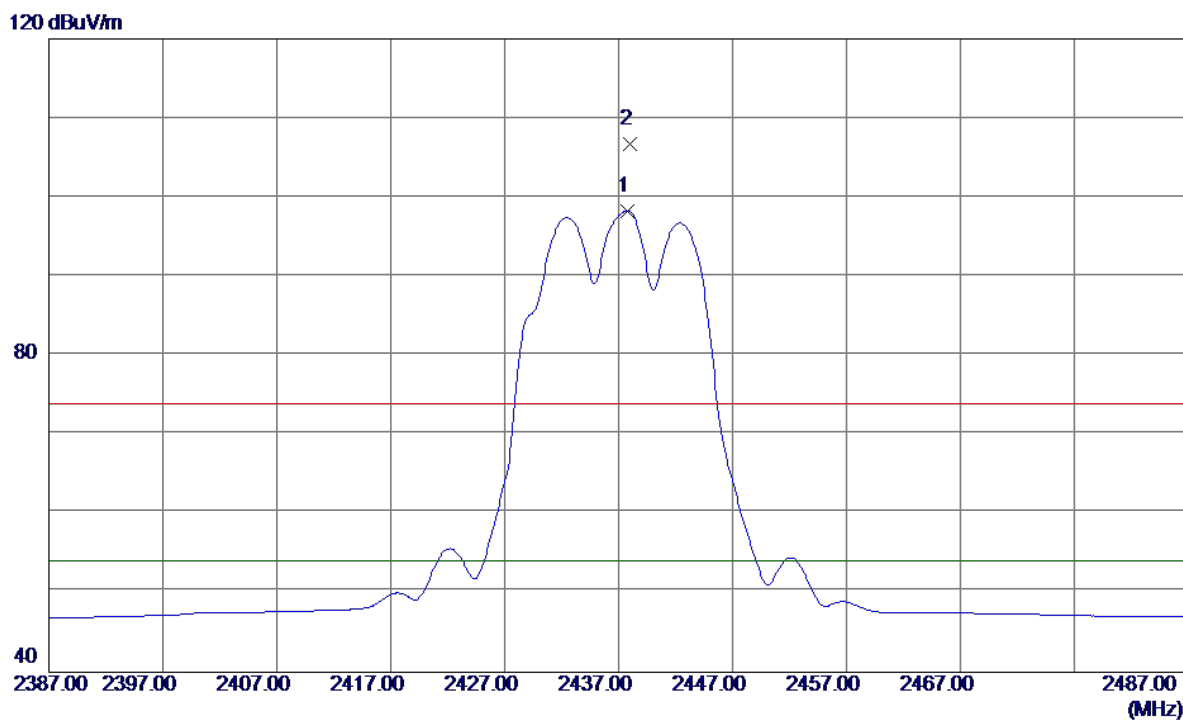
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.0850	21.54	4.85	26.39	54.00	-27.61	AVG	
2	4824.7050	33.84	4.86	38.70	74.00	-35.30	Peak	

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

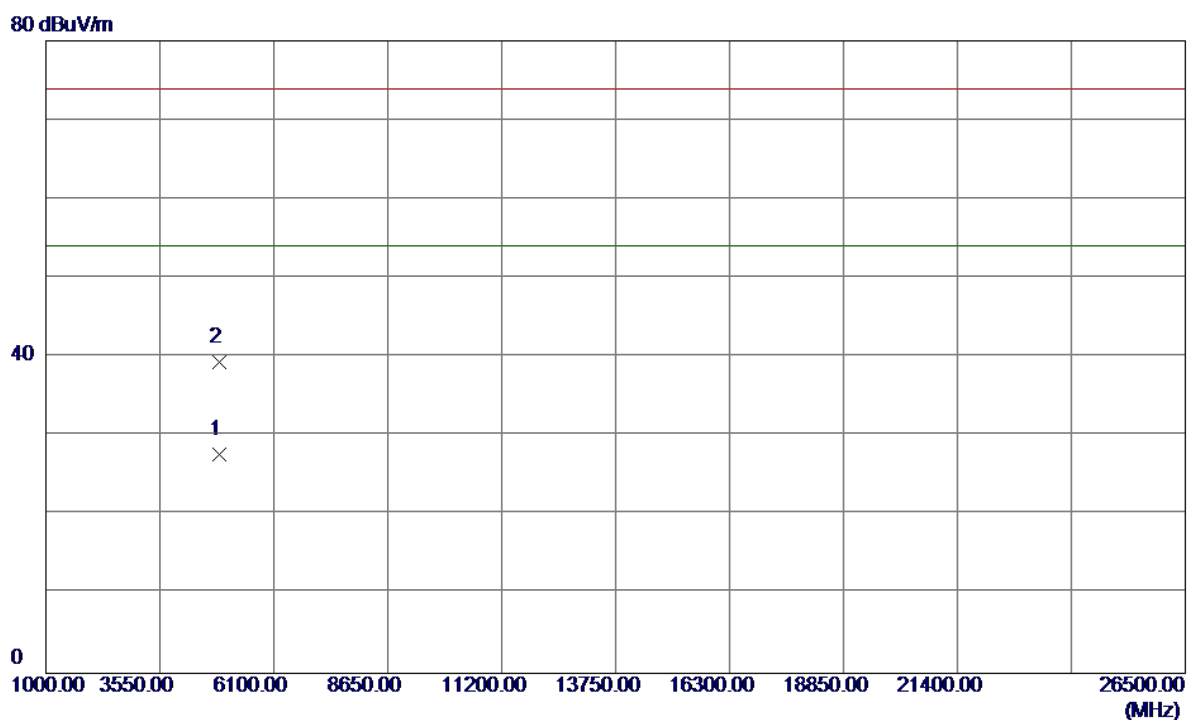
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2437.8000	65.10	33.21	98.31	54.00	44.31	AVG	No Limit
2	2438.0000	73.49	33.21	106.70	74.00	32.70	Peak	No Limit

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

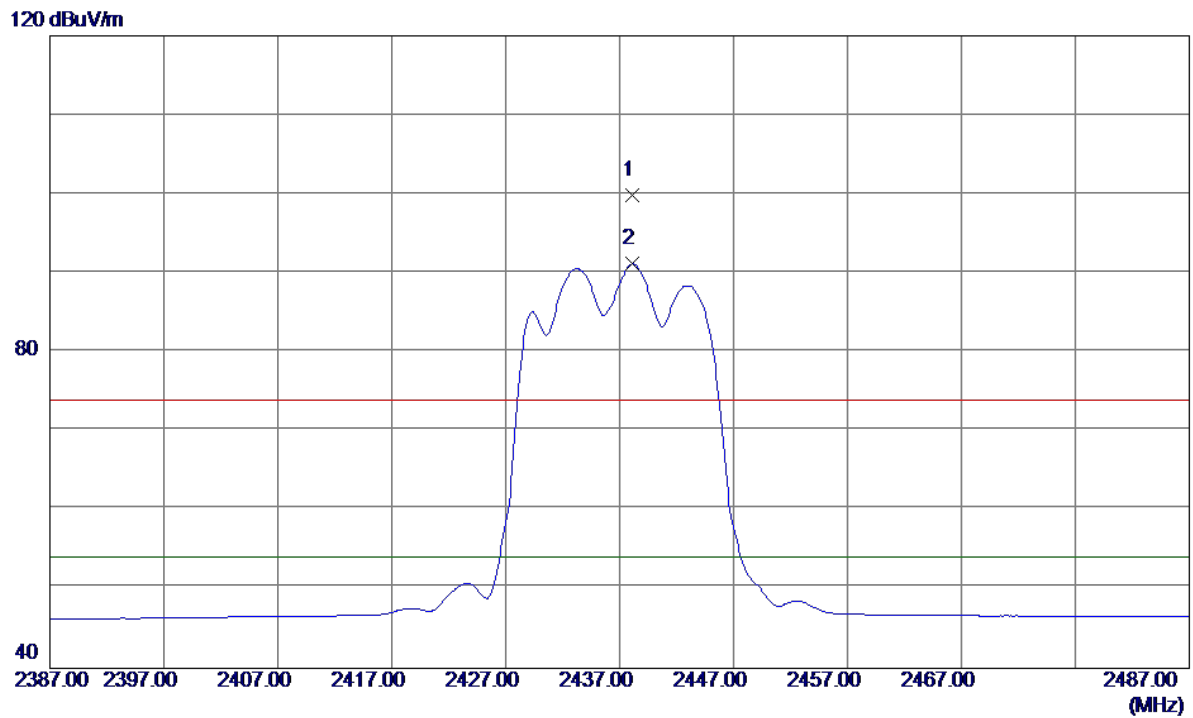
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4875.3750	22.59	5.07	27.66	54.00	-26.34	AVG	
2	4875.4650	34.23	5.07	39.30	74.00	-34.70	Peak	

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

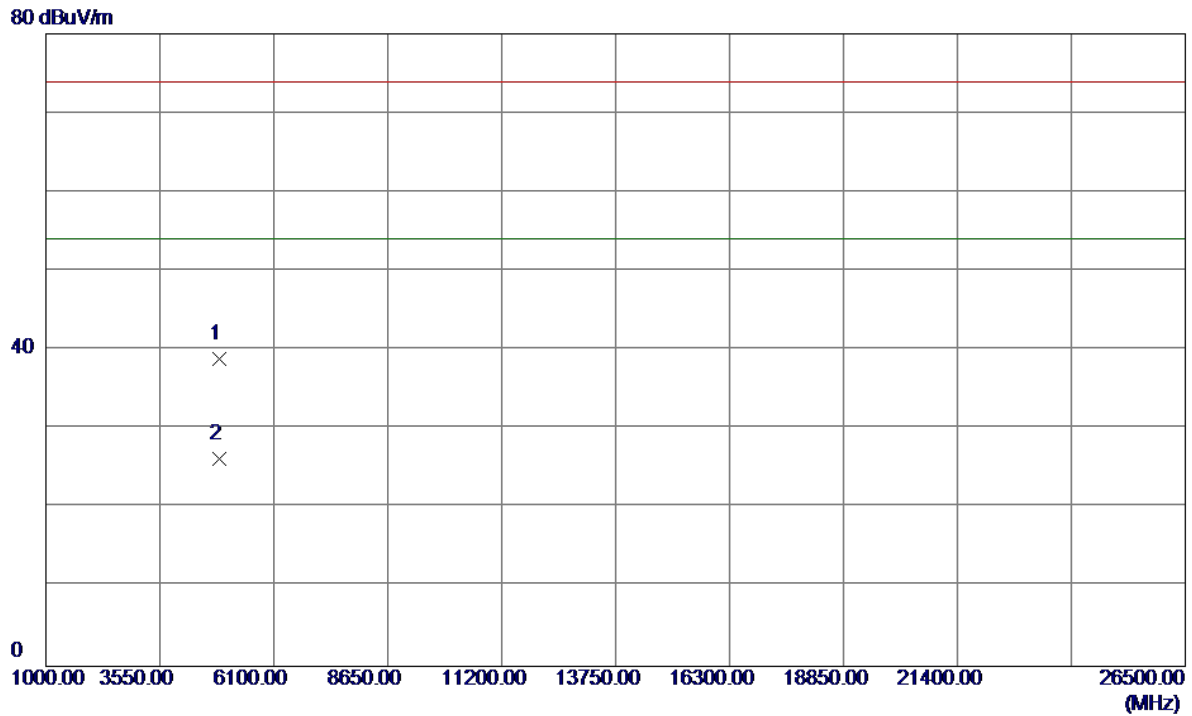
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2438.1000	66.57	33.21	99.78	74.00	25.78	Peak	No Limit
2 *	2438.1000	57.93	33.21	91.14	54.00	37.14	AVG	No Limit

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

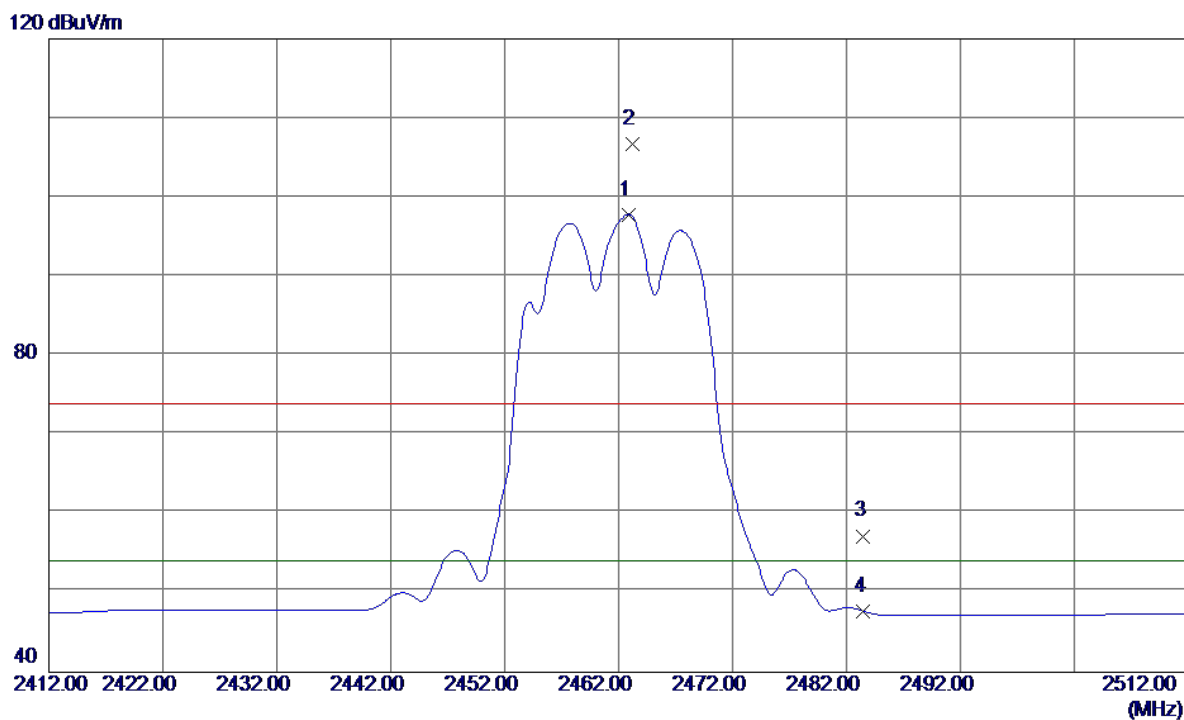
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4872.5700	33.78	5.06	38.84	74.00	-35.16	Peak	
2 *	4873.5900	21.21	5.06	26.27	54.00	-27.73	AVG	

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

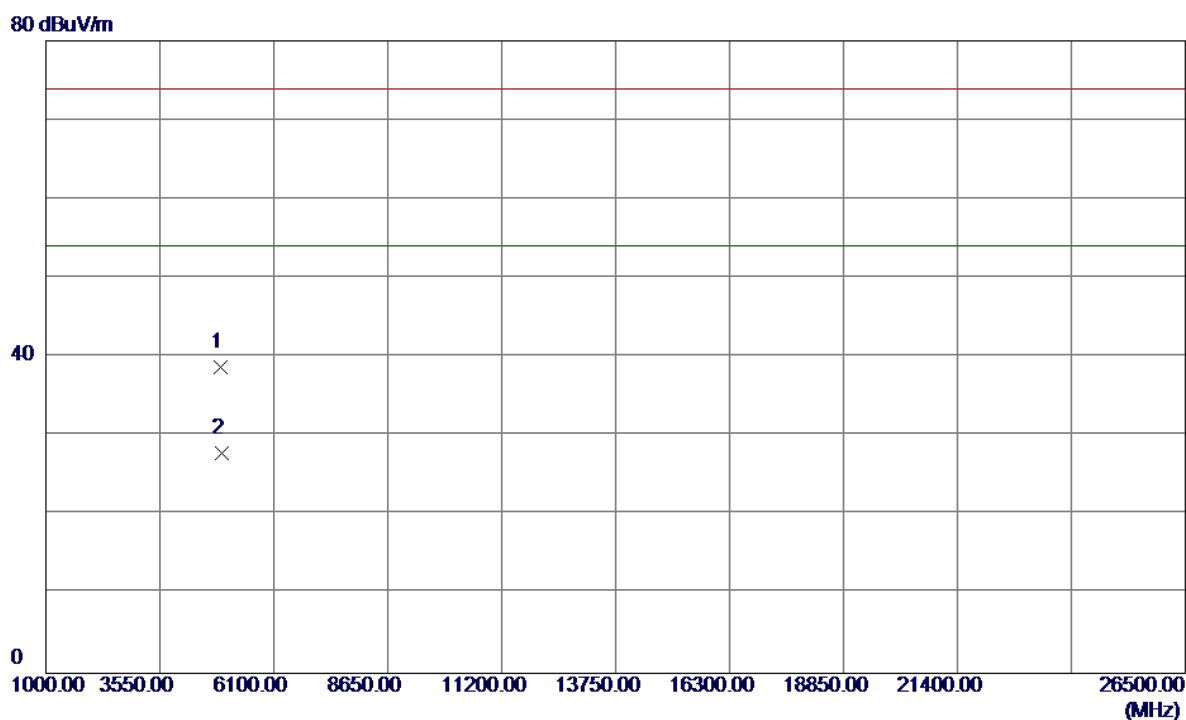
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2462.9000	64.53	33.31	97.84	54.00	43.84	AVG	No Limit
2	2463.2000	73.39	33.32	106.71	74.00	32.71	Peak	No Limit
3	2483.5000	23.80	33.40	57.20	74.00	-16.80	Peak	
4	2483.5000	14.29	33.40	47.69	54.00	-6.31	AVG	

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

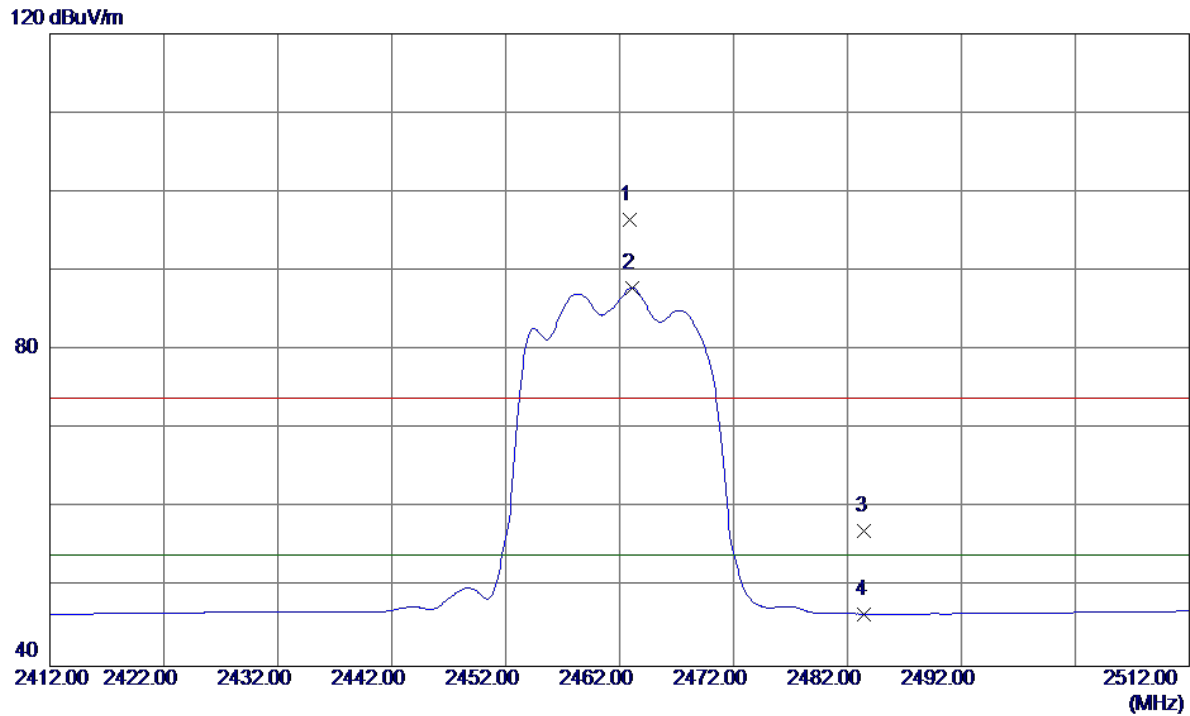
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.4700	33.42	5.28	38.70	74.00	-35.30	Peak	
2 *	4925.1800	22.55	5.28	27.83	54.00	-26.17	AVG	

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

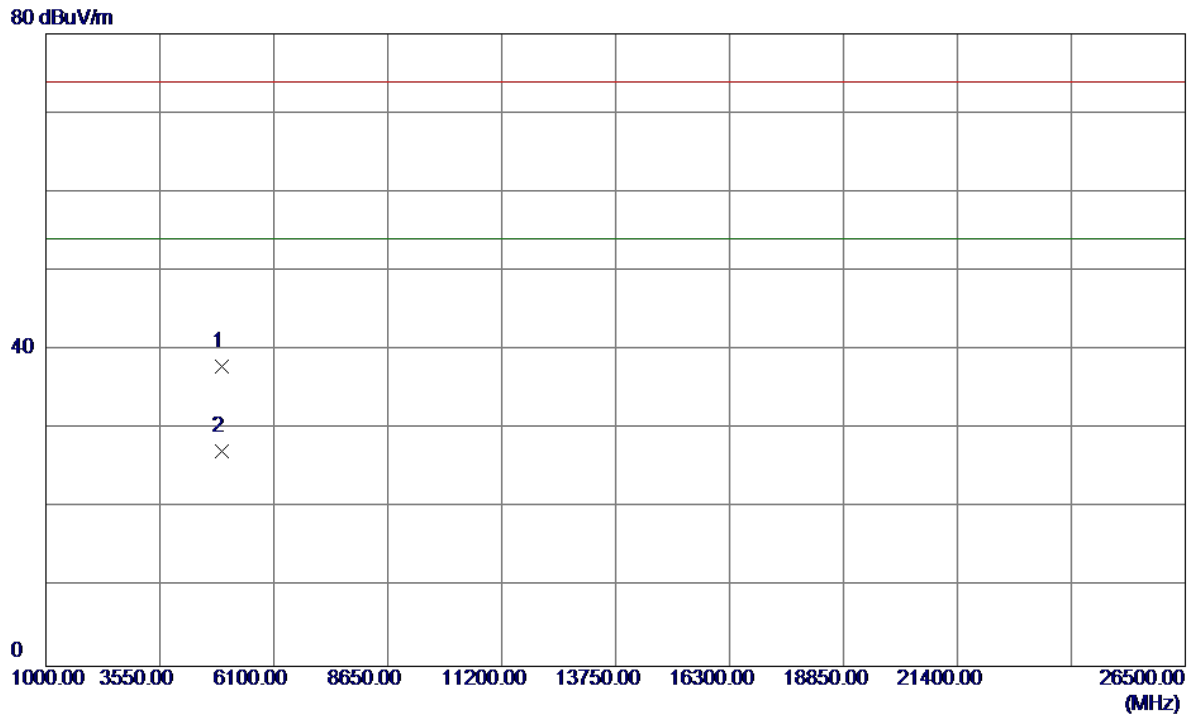
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2462.9000	63.20	33.31	96.51	74.00	22.51	Peak	No Limit
2 *	2463.1000	54.58	33.32	87.90	54.00	33.90	AVG	No Limit
3	2483.5000	23.78	33.40	57.18	74.00	-16.82	Peak	
4	2483.5000	13.21	33.40	46.61	54.00	-7.39	AVG	

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

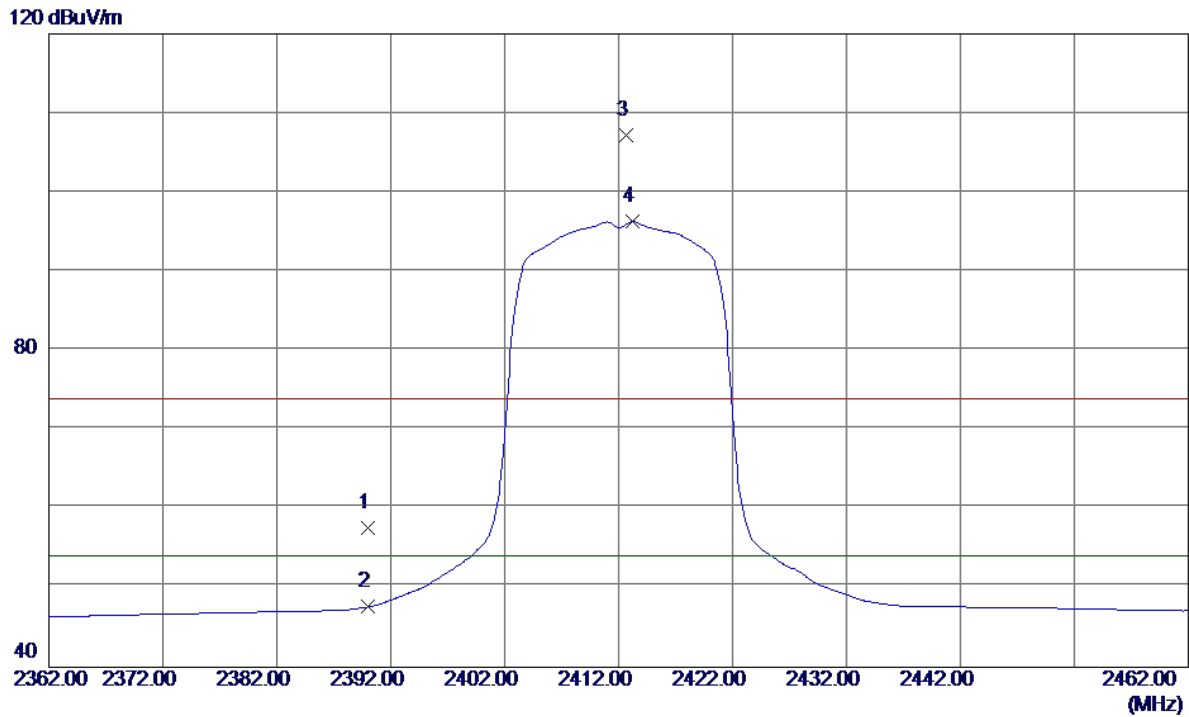
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.7150	32.64	5.28	37.92	74.00	-36.08	Peak	
2	4924.7950	21.86	5.28	27.14	74.00	-46.86	Peak	

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

Vertical

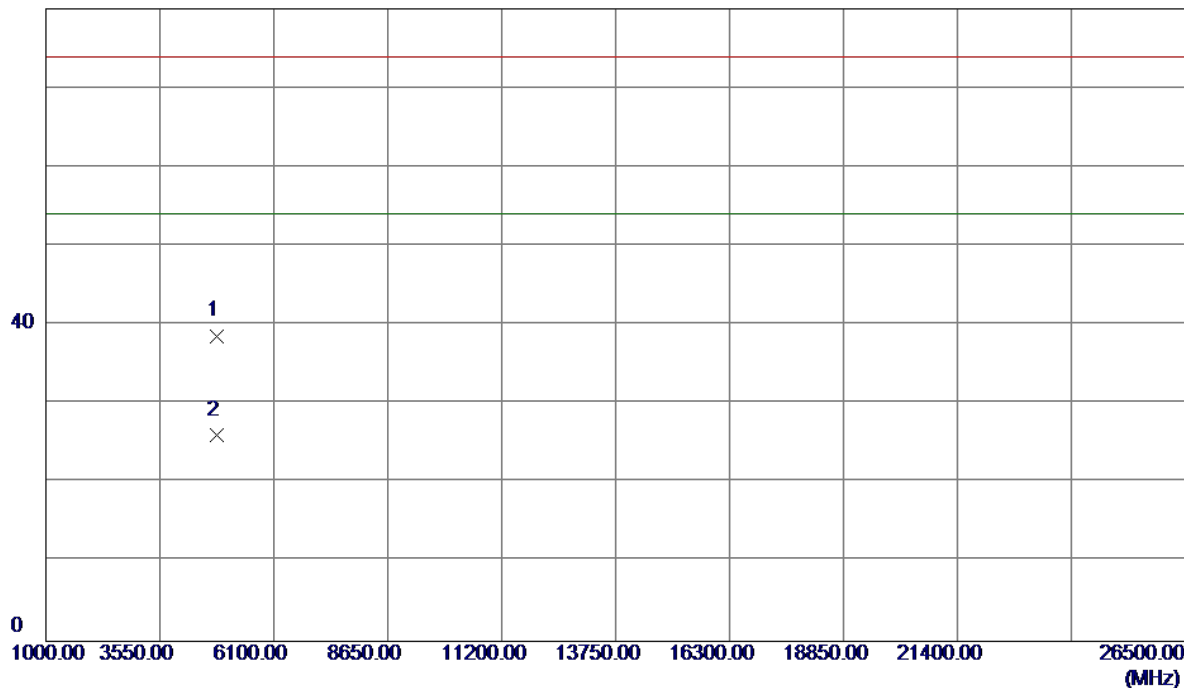


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.56	33.01	57.57	74.00	-16.43	Peak	
2	2390.0000	14.60	33.01	47.61	54.00	-6.39	AVG	
3	2412.7000	74.05	33.11	107.16	74.00	33.16	Peak	No Limit
4 *	2413.2000	63.17	33.11	96.28	54.00	42.28	AVG	No Limit

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

Vertical

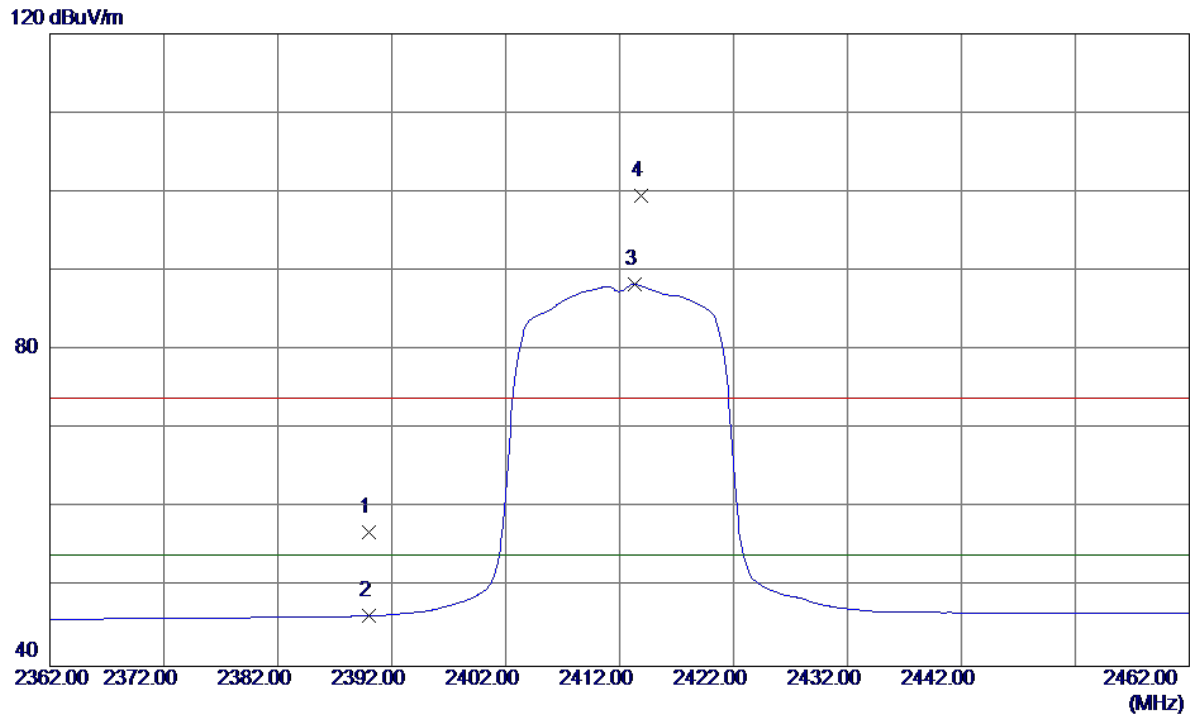
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.3950	33.78	4.86	38.64	74.00	-35.36	Peak	
2 *	4825.0050	21.22	4.86	26.08	54.00	-27.92	AVG	

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

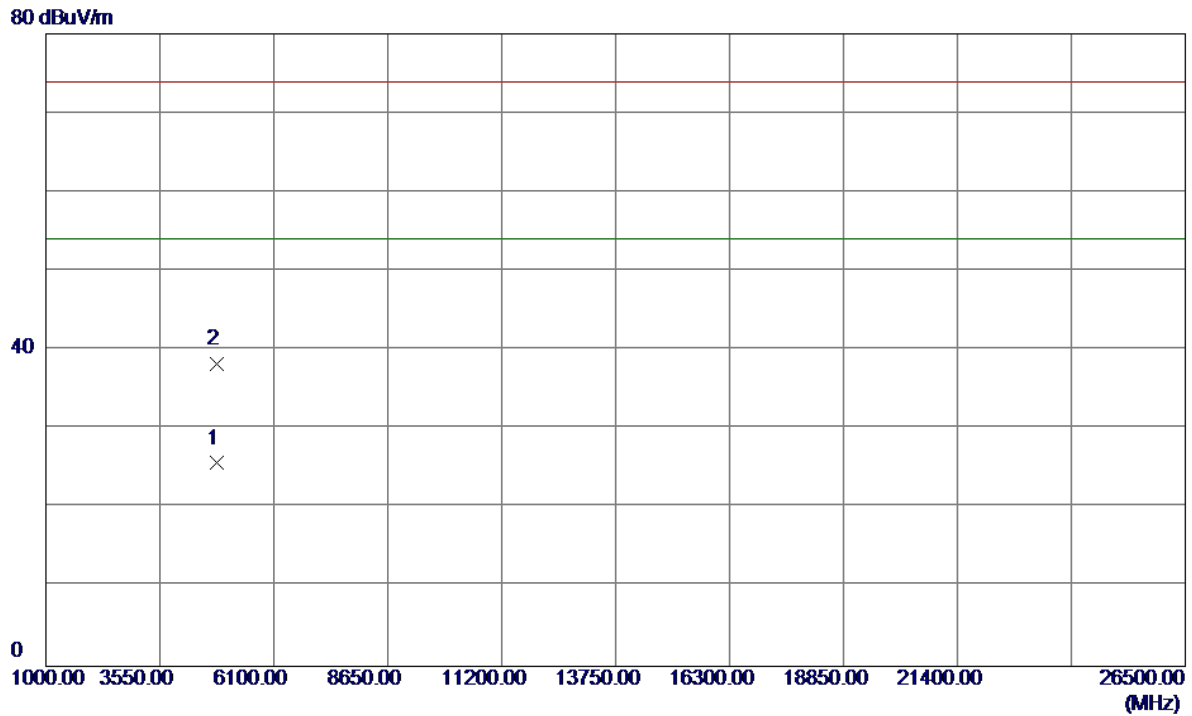
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.92	33.01	56.93	74.00	-17.07	Peak	
2	2390.0000	13.38	33.01	46.39	54.00	-7.61	AVG	
3 *	2413.3000	55.24	33.11	88.35	54.00	34.35	AVG	No Limit
4	2413.9000	66.43	33.11	99.54	74.00	25.54	Peak	No Limit

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

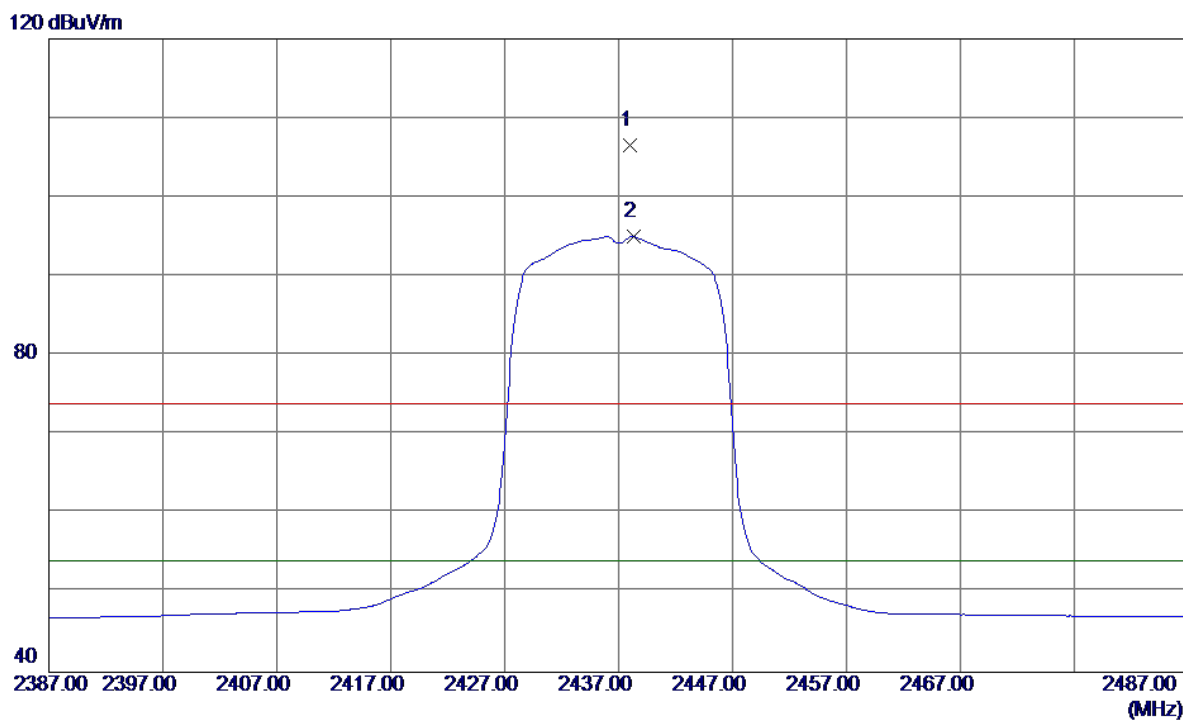
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.5550	20.83	4.85	25.68	54.00	-28.32	AVG	
2	4826.1400	33.32	4.86	38.18	74.00	-35.82	Peak	

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

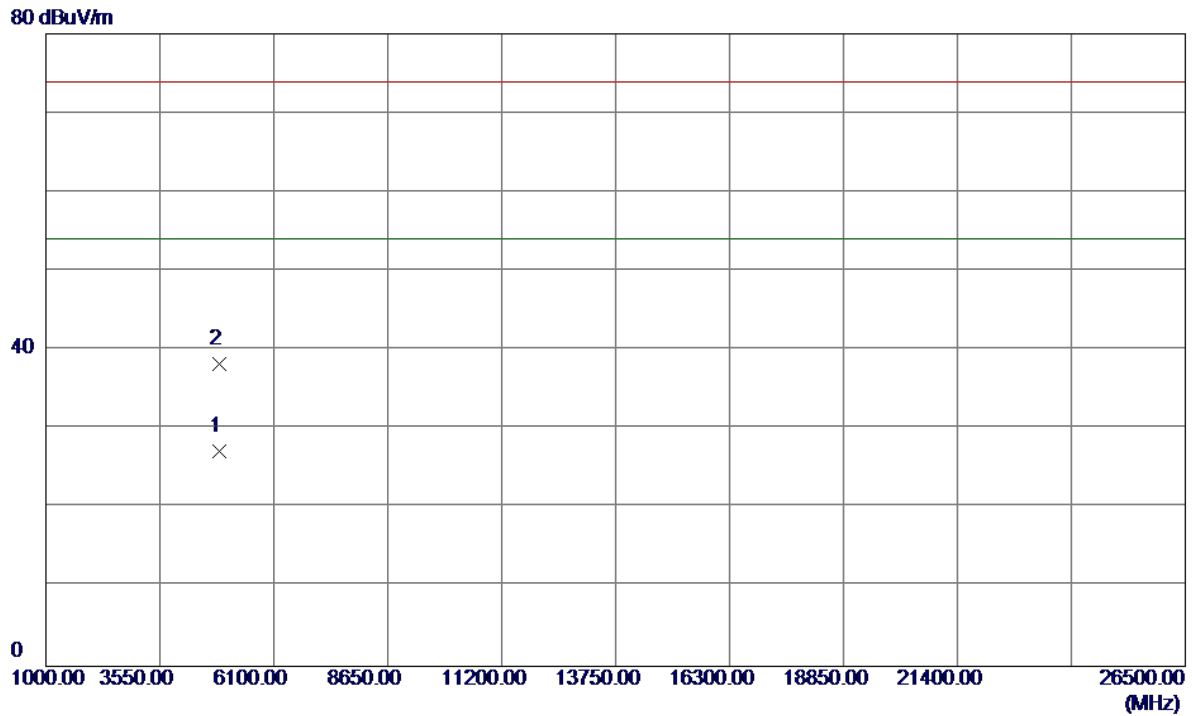
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	2438.0000	73.38	33.21	106.59	74.00	32.59	Peak	No Limit
2 *	2438.3000	61.82	33.21	95.03	54.00	41.03	AVG	No Limit

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

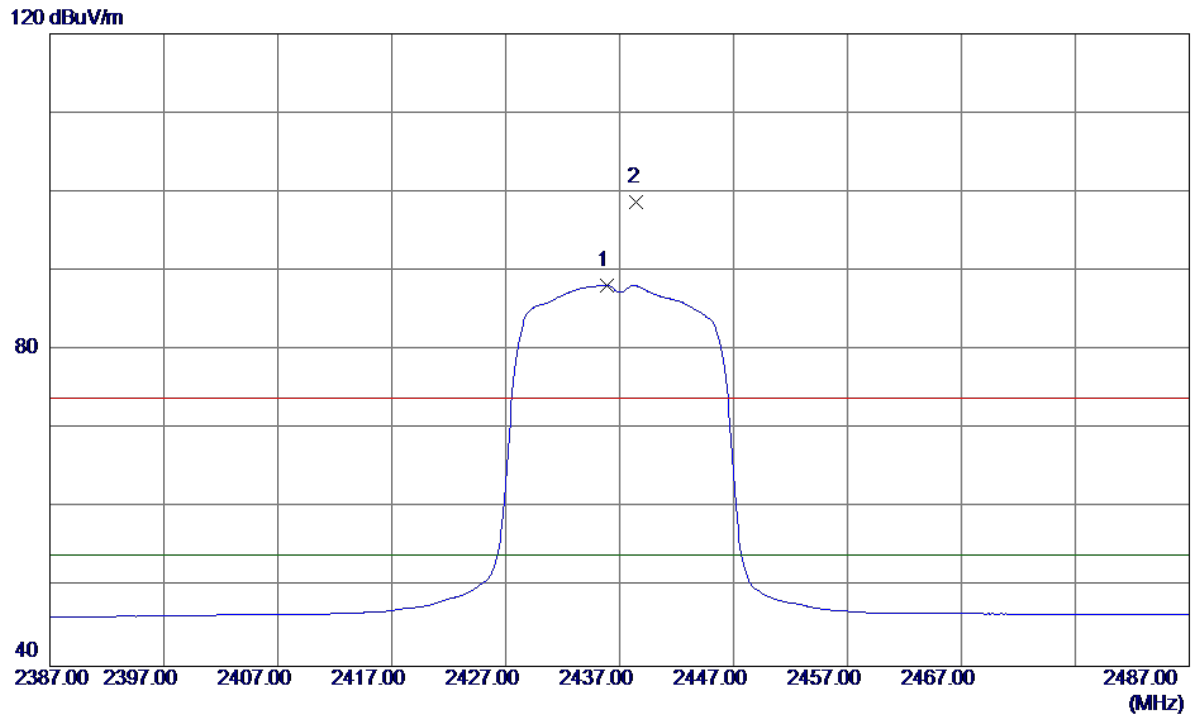
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.4000	22.16	5.07	27.23	54.00	-26.77	AVG	
2	4872.9600	33.11	5.06	38.17	74.00	-35.83	Peak	

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

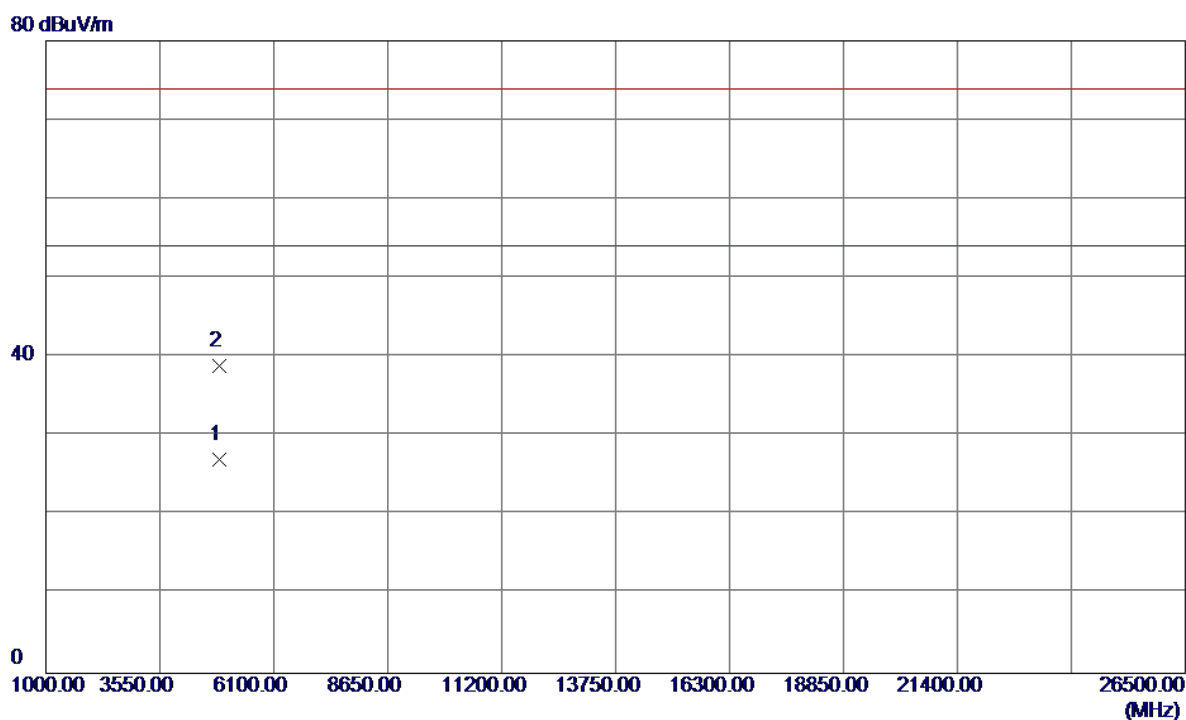
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.9000	55.02	33.20	88.22	54.00	34.22	AVG	No Limit
2	2438.5000	65.58	33.21	98.79	74.00	24.79	Peak	No Limit

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

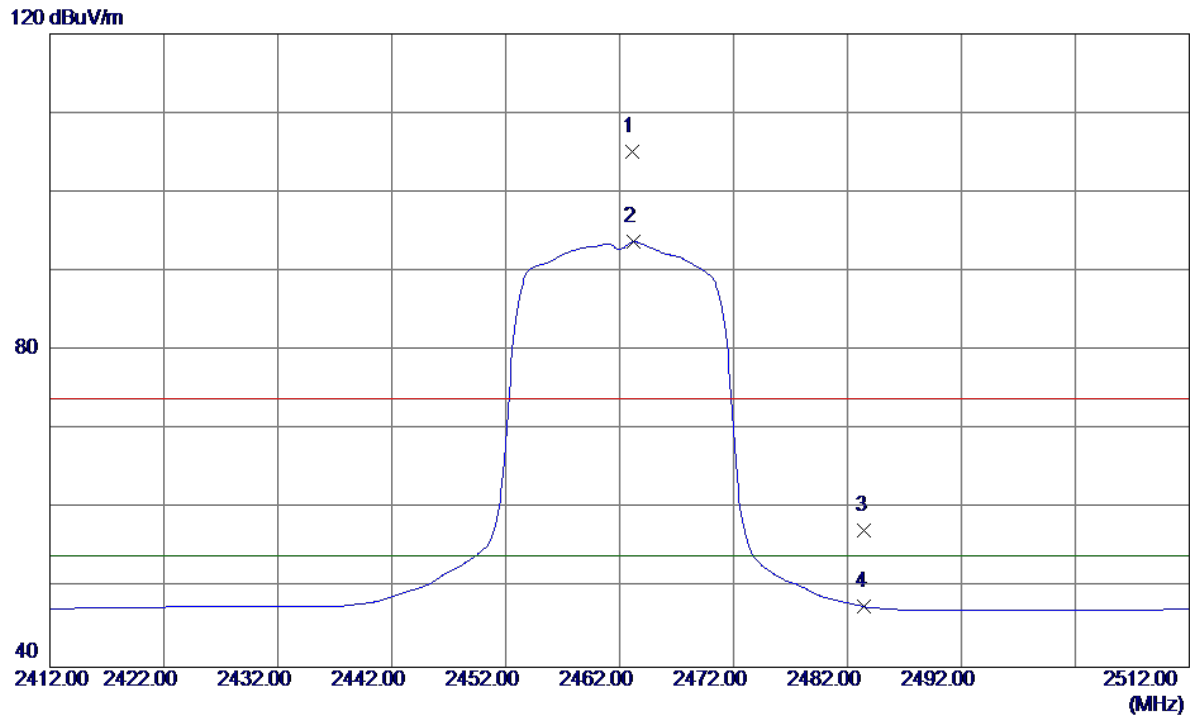
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.4400	22.00	5.07	27.07	54.00	-26.93	AVG	
2	4874.1300	33.83	5.07	38.90	74.00	-35.10	Peak	

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

Vertical

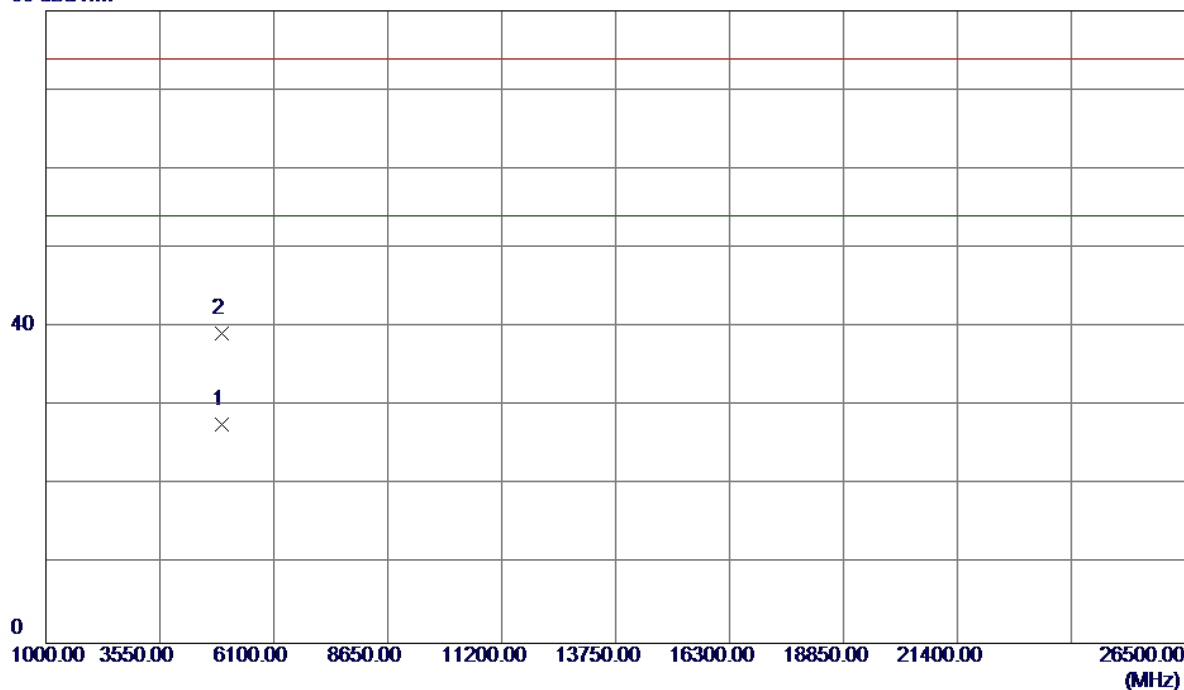


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.1000	71.75	33.32	105.07	74.00	31.07	Peak	No Limit
2 *	2463.2000	60.43	33.32	93.75	54.00	39.75	AVG	No Limit
3	2483.5000	23.95	33.40	57.35	74.00	-16.65	Peak	
4	2483.5000	14.24	33.40	47.64	54.00	-6.36	AVG	

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

Vertical

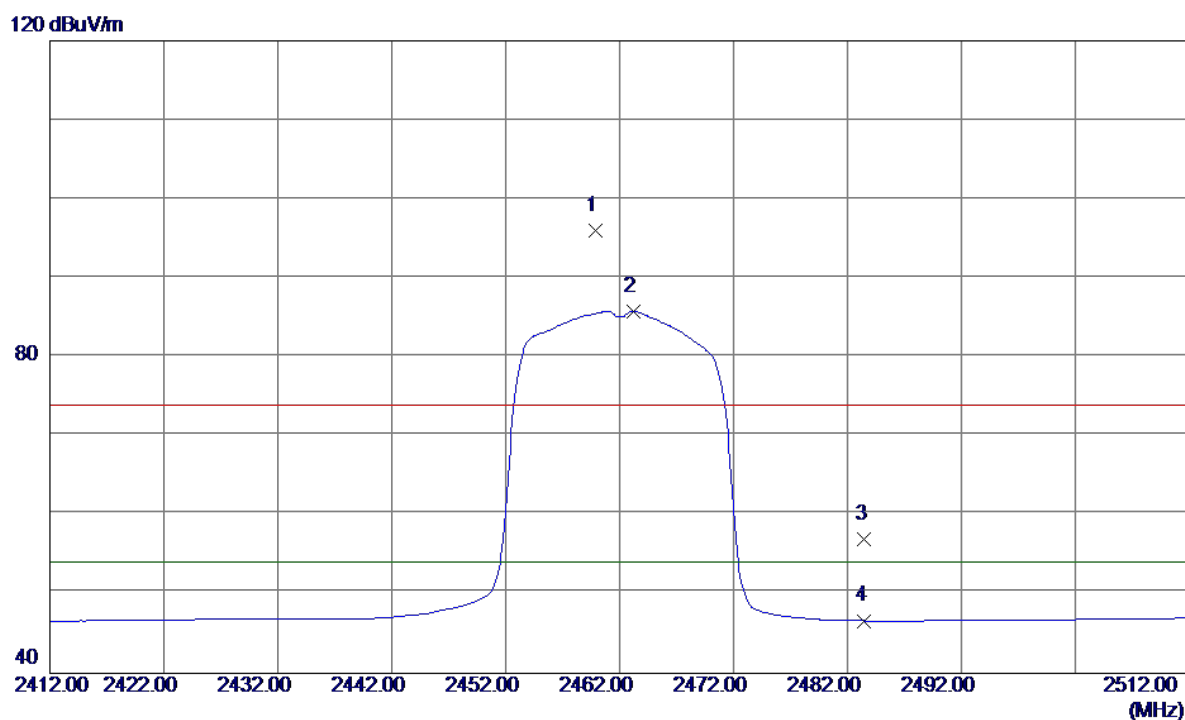
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4926.0500	22.45	5.29	27.74	54.00	-26.26	AVG	
2	4926.2300	33.92	5.29	39.21	74.00	-34.79	Peak	

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

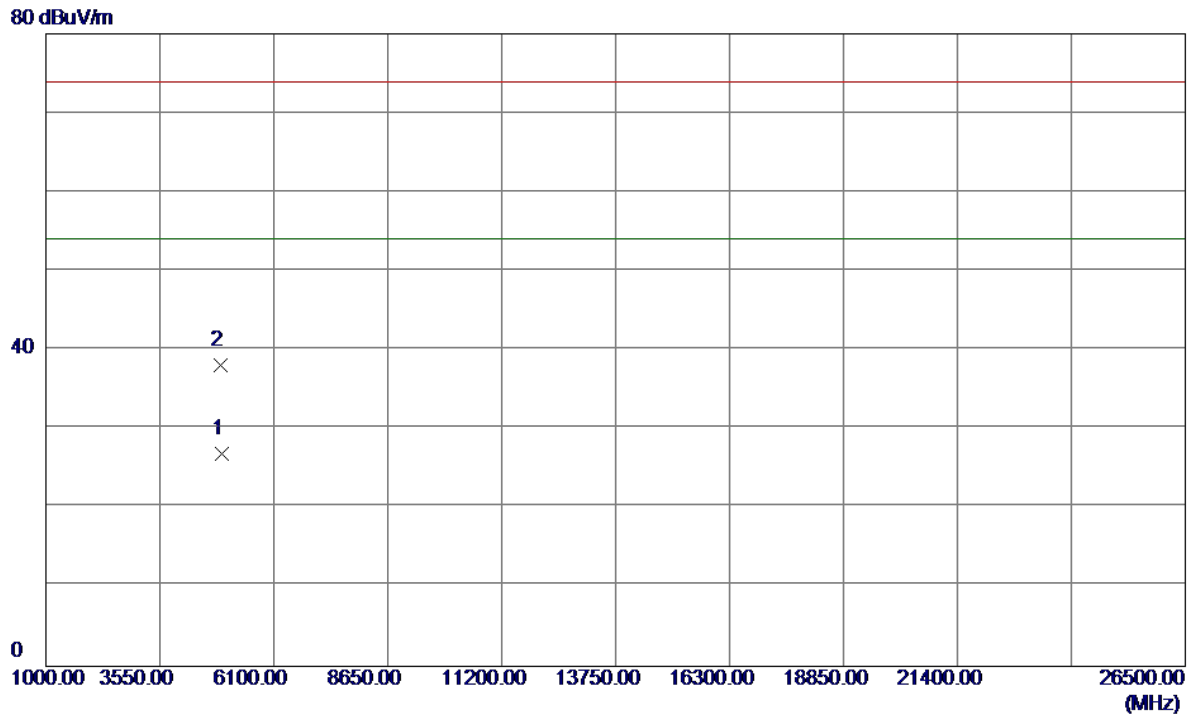
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.9000	62.67	33.30	95.97	74.00	21.97	Peak	No Limit
2 *	2463.2000	52.50	33.32	85.82	54.00	31.82	AVG	No Limit
3	2483.5000	23.63	33.40	57.03	74.00	-16.97	Peak	
4	2483.5000	13.24	33.40	46.64	54.00	-7.36	AVG	

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

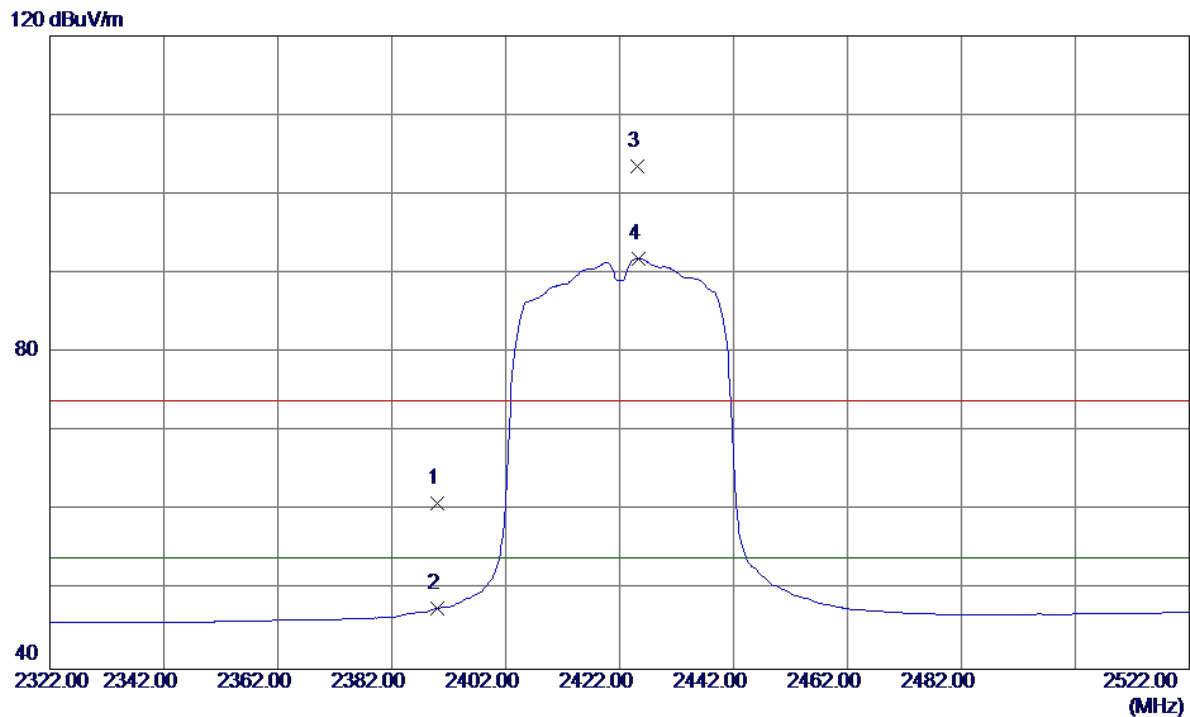
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.8500	21.59	5.28	26.87	54.00	-27.13	AVG	
2	4923.9750	32.79	5.28	38.07	74.00	-35.93	Peak	

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

Vertical

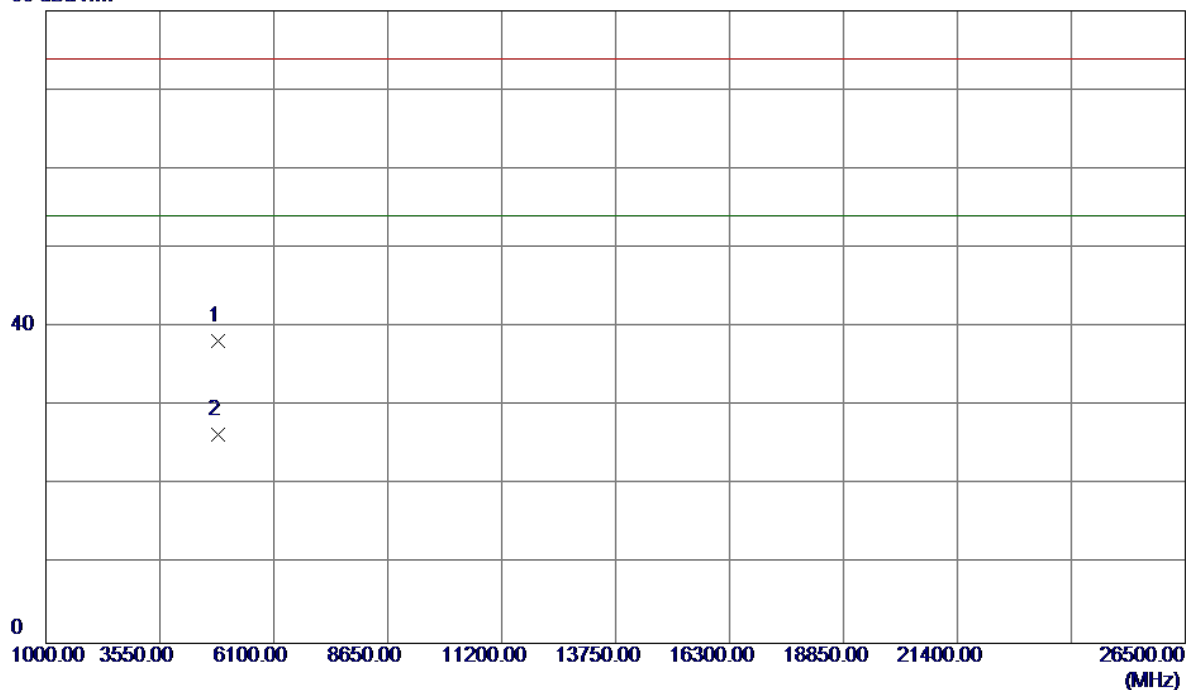


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	27.95	33.01	60.96	74.00	-13.04	Peak	
2	2390.0000	14.66	33.01	47.67	54.00	-6.33	AVG	
3	2425.2000	70.34	33.16	103.50	74.00	29.50	Peak	No Limit
4 *	2425.4000	58.70	33.16	91.86	54.00	37.86	AVG	No Limit

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

Vertical

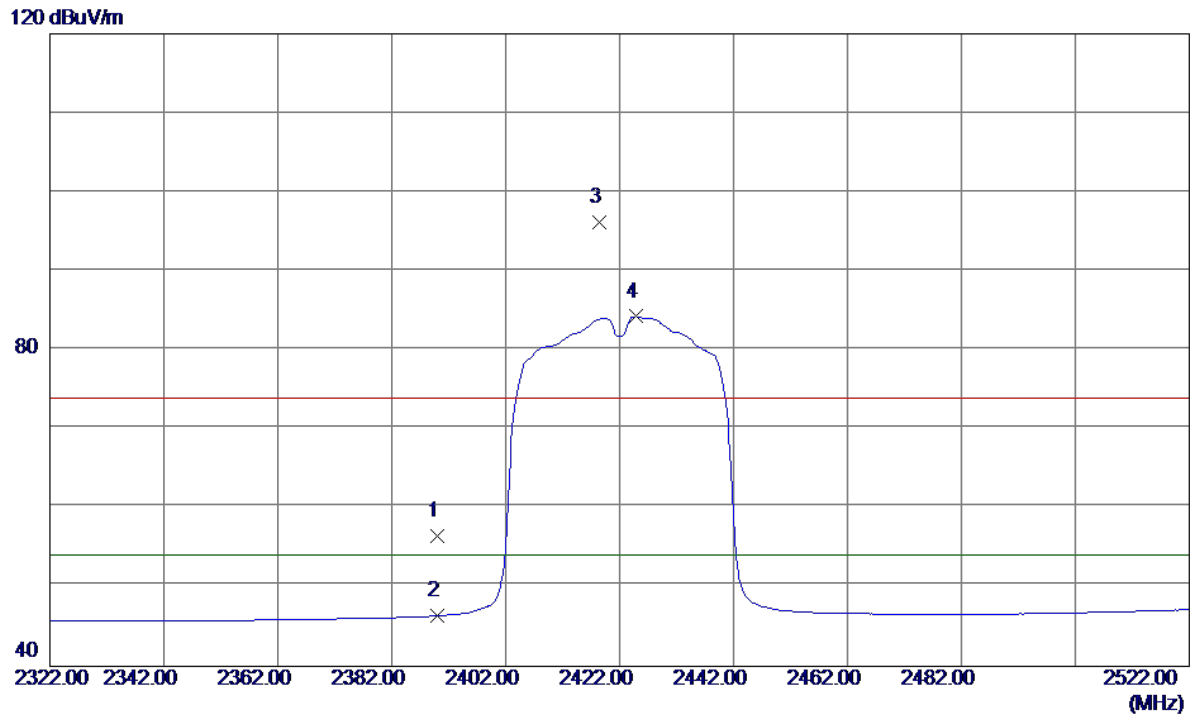
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4843.6400	33.24	4.94	38.18	74.00	-35.82	Peak	
2 *	4845.8000	21.50	4.95	26.45	54.00	-27.55	AVG	

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

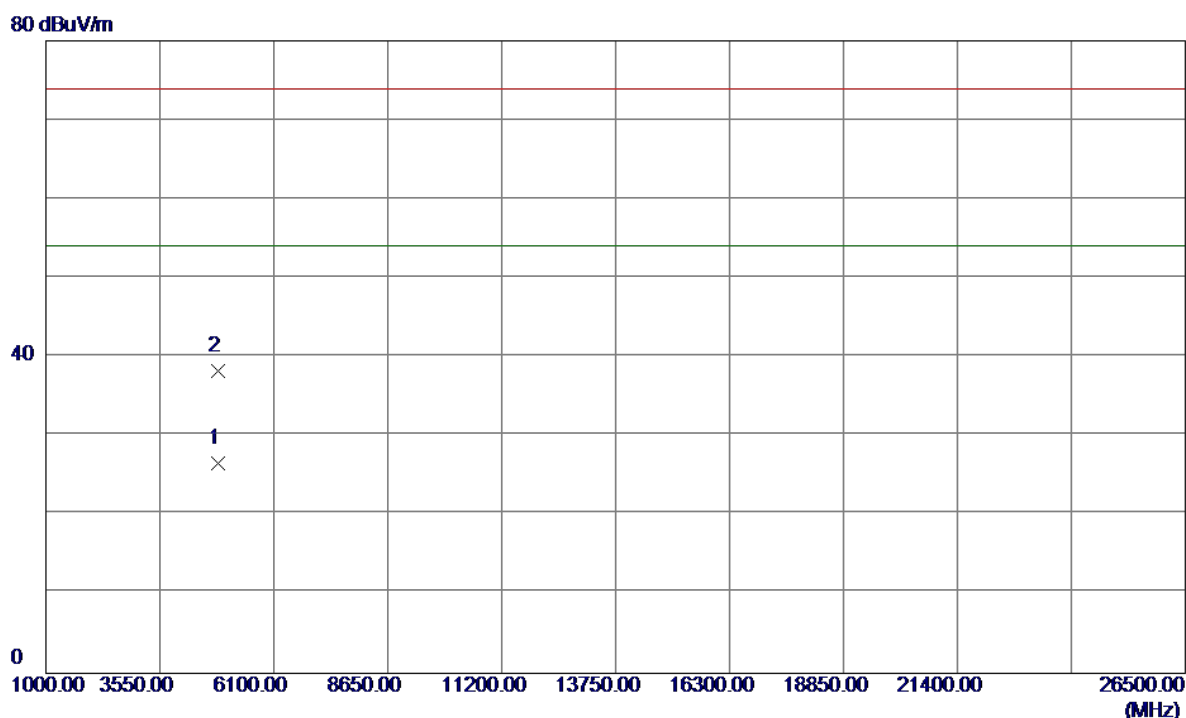
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.45	33.01	56.46	74.00	-17.54	Peak	
2	2390.0000	13.37	33.01	46.38	54.00	-7.62	AVG	
3	2418.4000	63.04	33.13	96.17	74.00	22.17	Peak	No Limit
4 *	2424.8000	51.08	33.16	84.24	54.00	30.24	AVG	No Limit

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

Horizontal

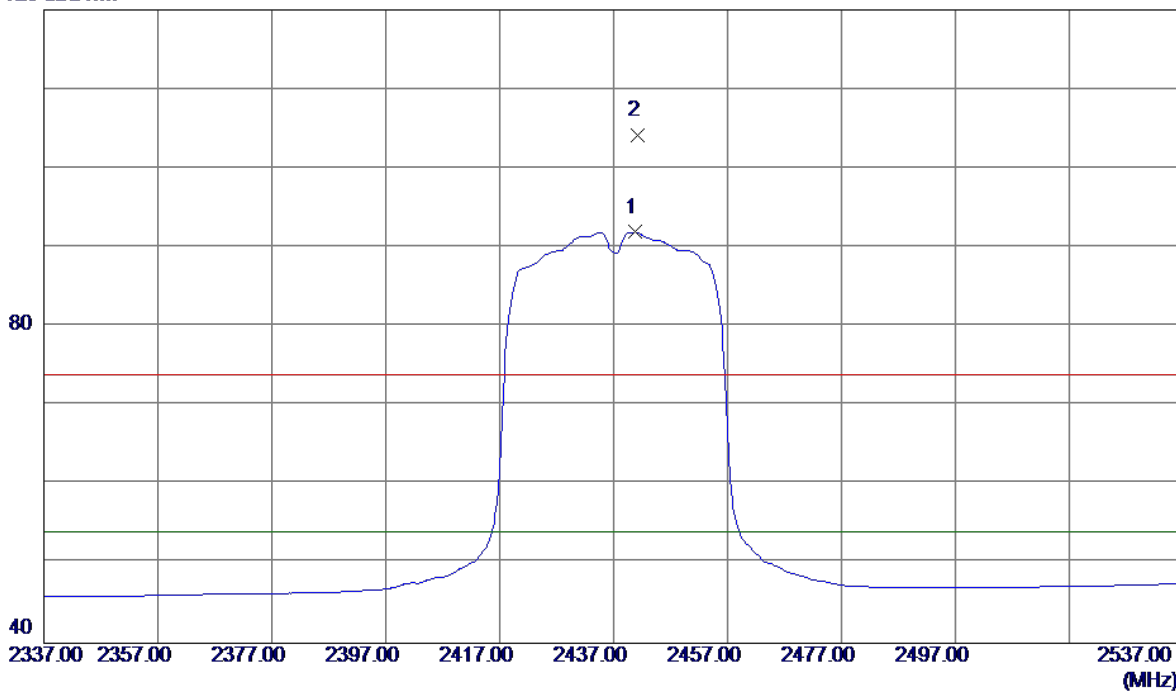


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4844.0500	21.63	4.94	26.57	54.00	-27.43	AVG	
2	4843.4600	33.27	4.94	38.21	74.00	-35.79	Peak	

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

Vertical

120 dBuV/m

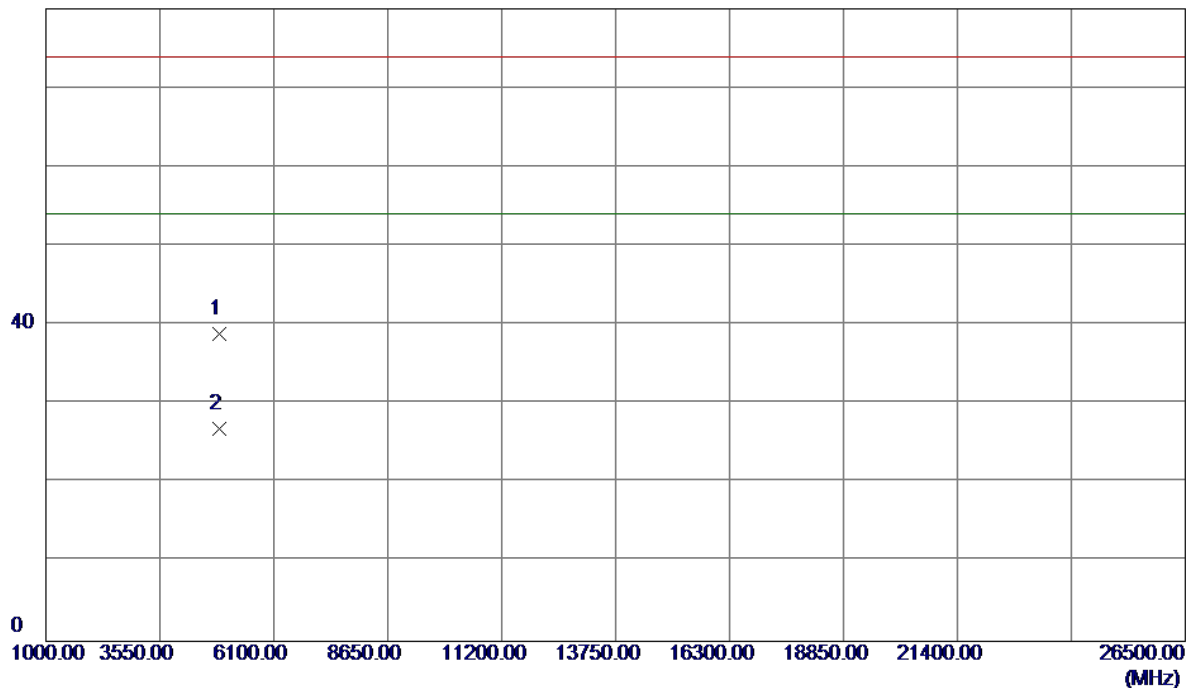


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2440.8000	58.70	33.22	91.92	54.00	37.92	AVG	No Limit
2	2441.2000	70.87	33.22	104.09	74.00	30.09	Peak	No Limit

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

Vertical

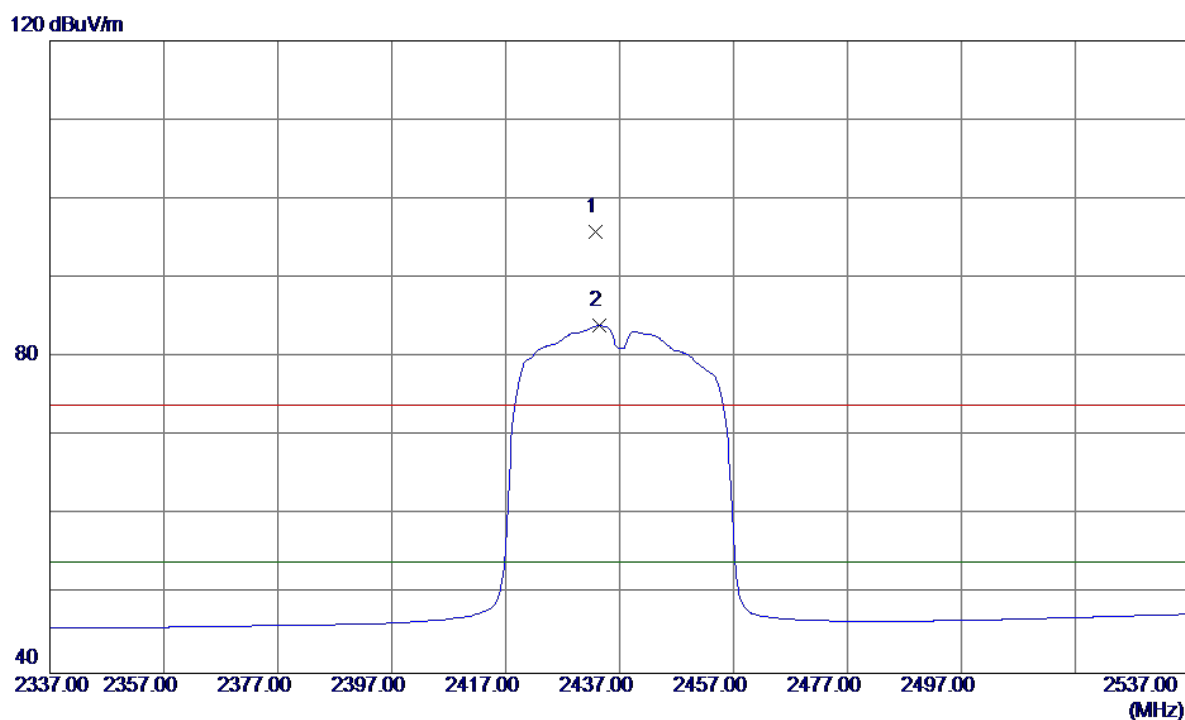
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.8900	33.74	5.07	38.81	74.00	-35.19	Peak	
2 *	4875.5050	21.86	5.07	26.93	54.00	-27.07	AVG	

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

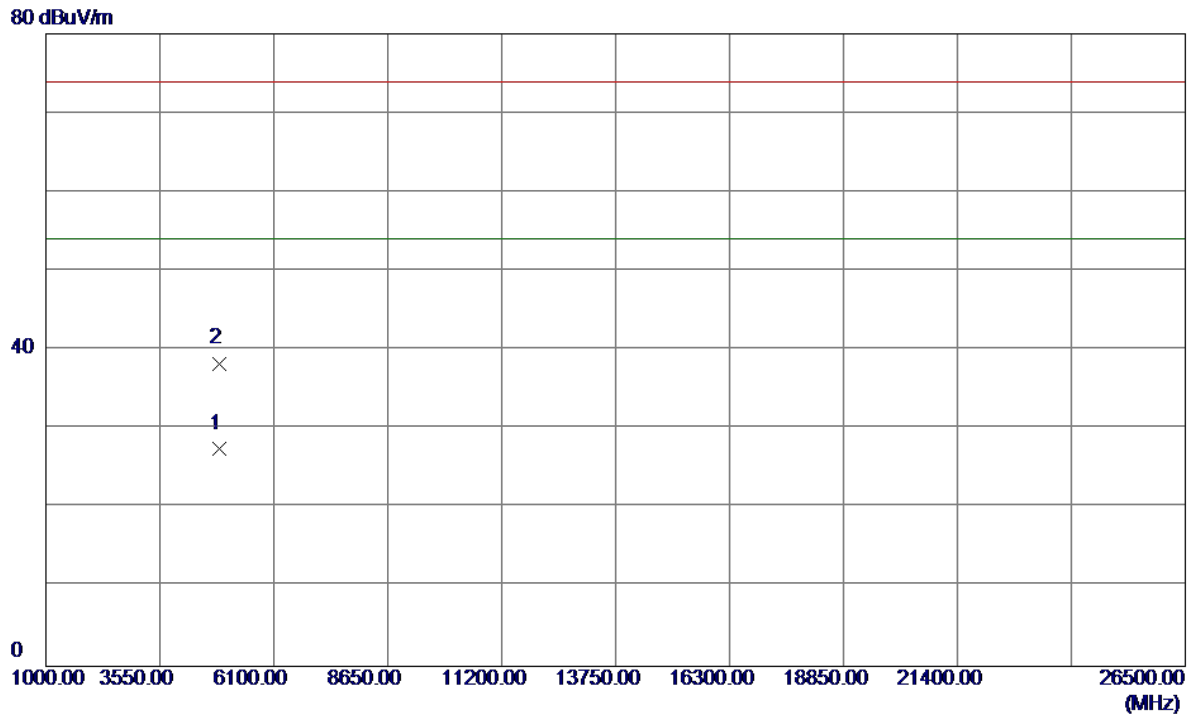
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2432.8000	62.59	33.19	95.78	74.00	21.78	Peak	No Limit
2 *	2433.4000	50.78	33.19	83.97	54.00	29.97	AVG	No Limit

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

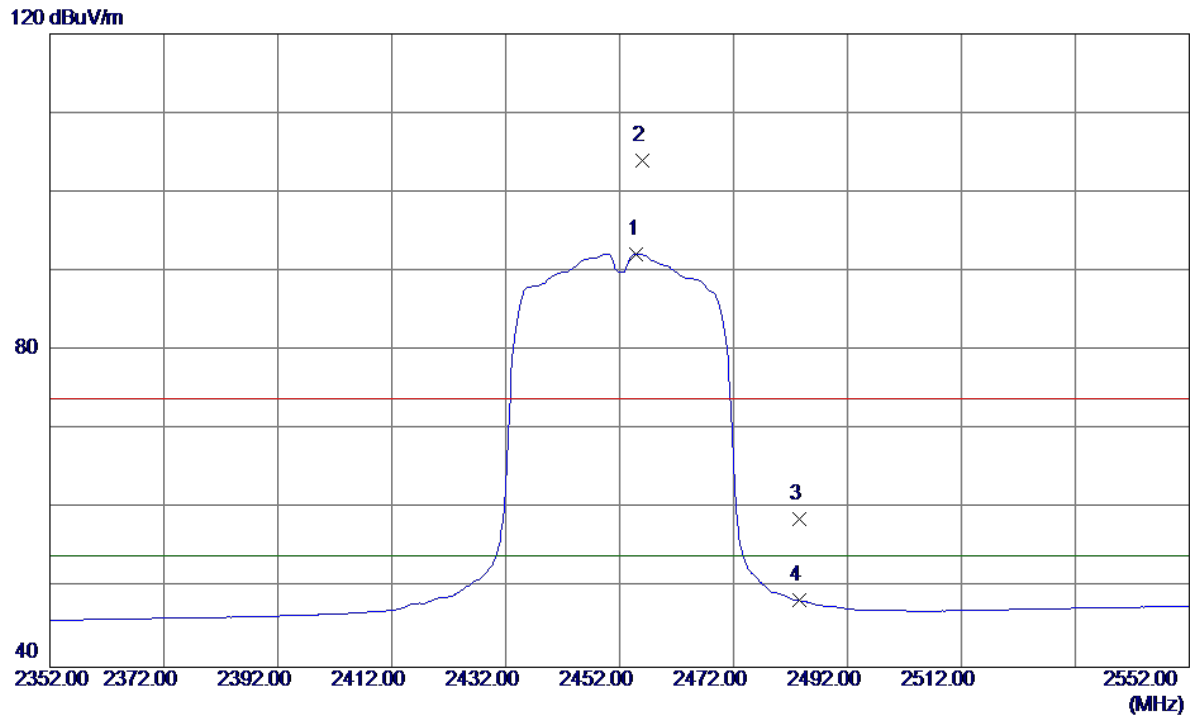
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.8100	22.39	5.06	27.45	54.00	-26.55	AVG	
2	4873.9350	33.25	5.07	38.32	74.00	-35.68	Peak	

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

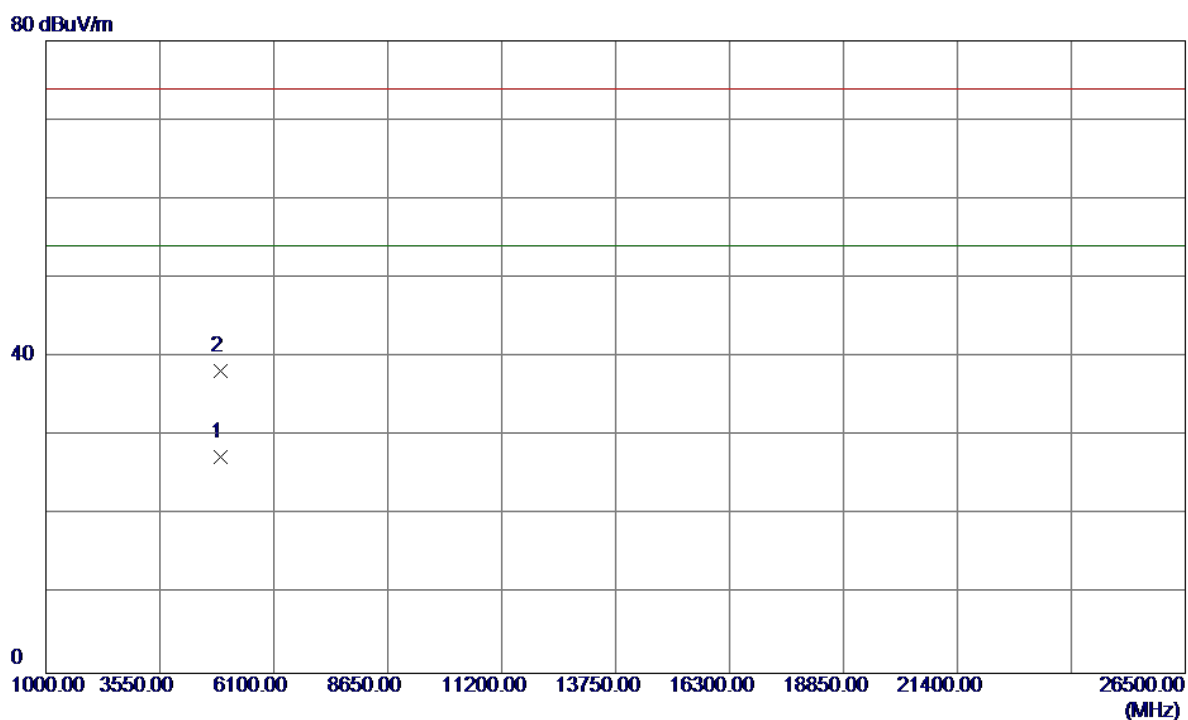
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2455.0000	58.94	33.28	92.22	54.00	38.22	AVG	No Limit
2	2456.0000	70.67	33.29	103.96	74.00	29.96	Peak	No Limit
3	2483.5000	25.25	33.40	58.65	74.00	-15.35	Peak	
4	2483.5000	15.01	33.40	48.41	54.00	-5.59	AVG	

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

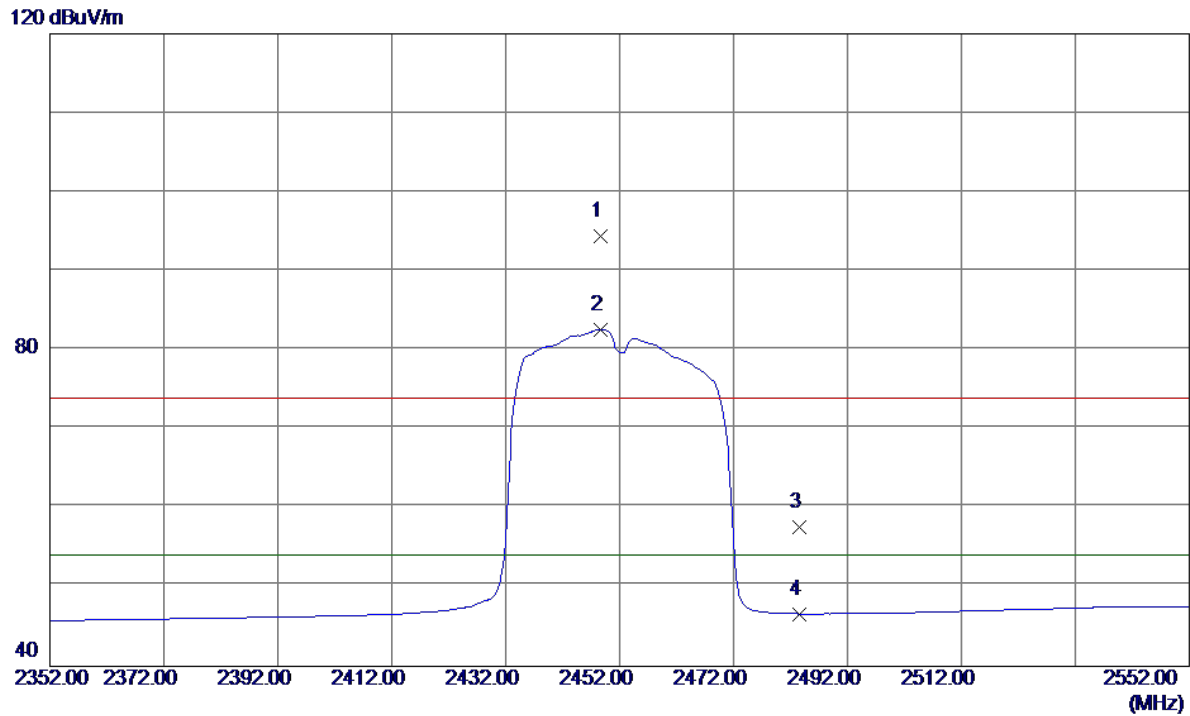
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4903.4350	22.19	5.19	27.38	54.00	-26.62	AVG	
2	4903.5850	33.11	5.19	38.30	74.00	-35.70	Peak	

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

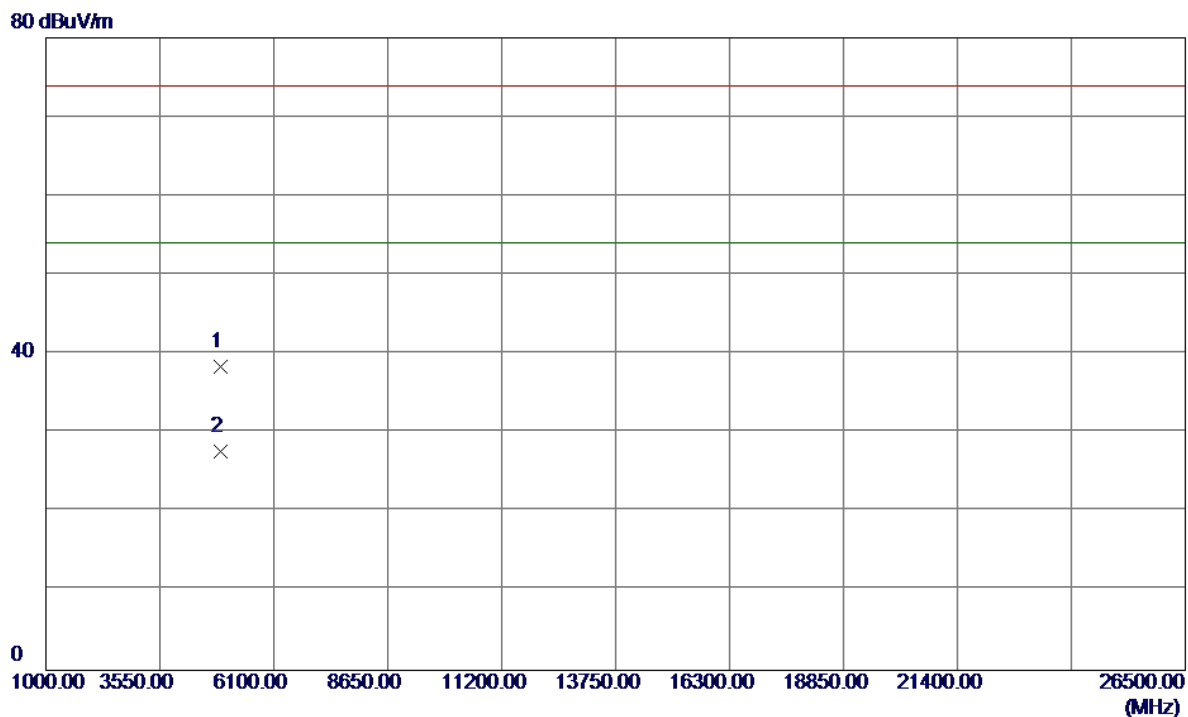
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2448.6000	61.13	33.26	94.39	74.00	20.39	Peak	No Limit
2 *	2448.6000	49.34	33.26	82.60	54.00	28.60	AVG	No Limit
3	2483.5000	24.15	33.40	57.55	74.00	-16.45	Peak	
4	2483.5000	13.23	33.40	46.63	54.00	-7.37	AVG	

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

Horizontal



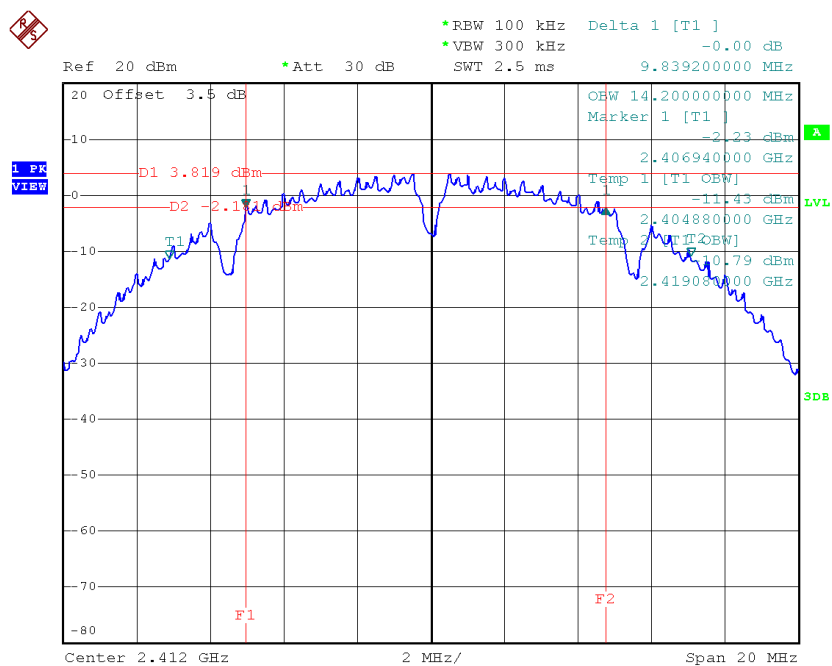
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4902.4650	33.21	5.19	38.40	74.00	-35.60	Peak	
2 *	4905.4750	22.46	5.20	27.66	54.00	-26.34	AVG	

APPENDIX E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

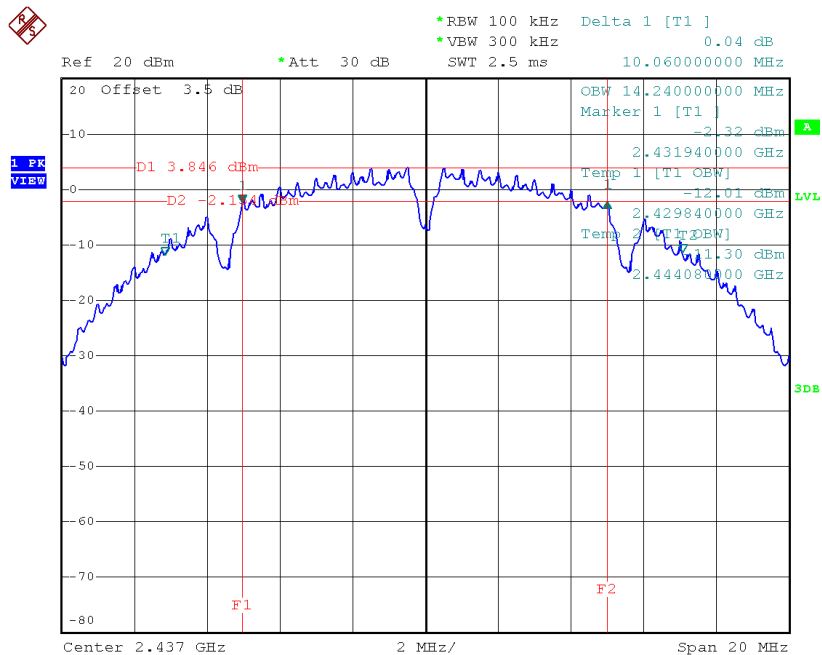
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.84	14.20	500	Complies
2437	10.06	14.24	500	Complies
2462	10.10	14.24	500	Complies

TX CH01



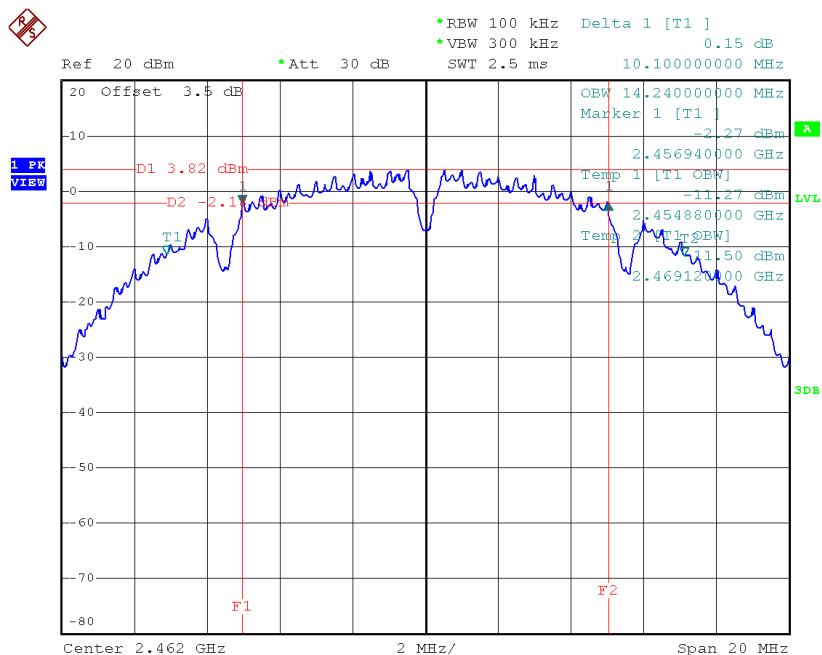
Date: 25.DEC.2016 13:13:23

TX CH06



Date: 25.DEC.2016 13:15:25

TX CH11

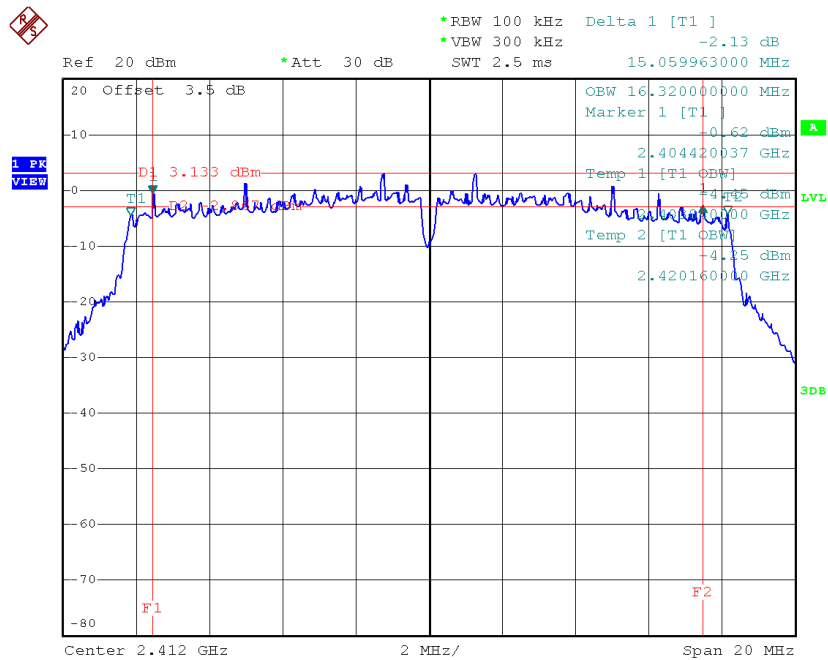


Date: 25.DEC.2016 13:18:59

Test Mode: TX G Mode_CH01/06/11

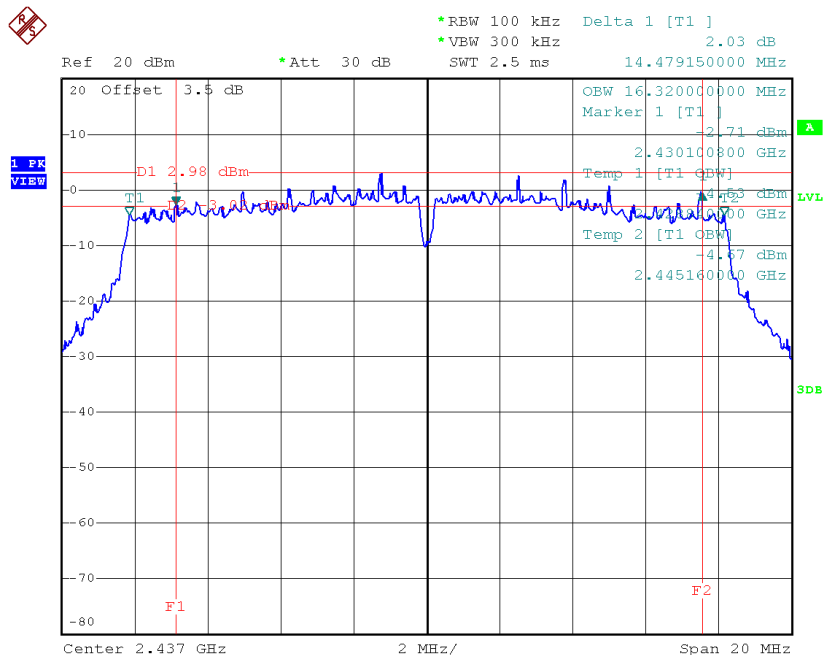
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.06	16.32	500	Complies
2437	14.48	16.32	500	Complies
2462	15.11	16.36	500	Complies

TX CH01



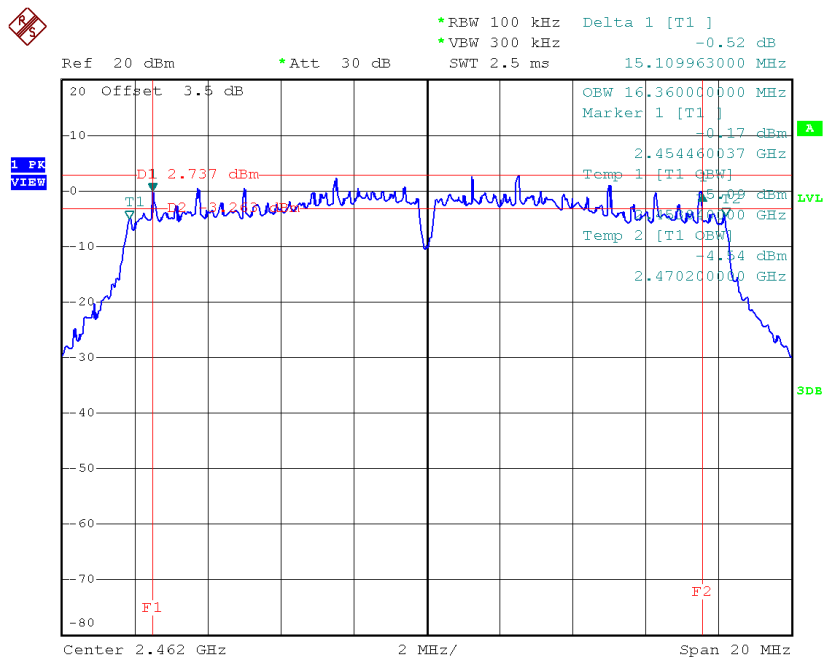
Date: 25.DEC.2016 13:28:04

TX CH06



Date: 25.DEC.2016 13:32:09

TX CH11

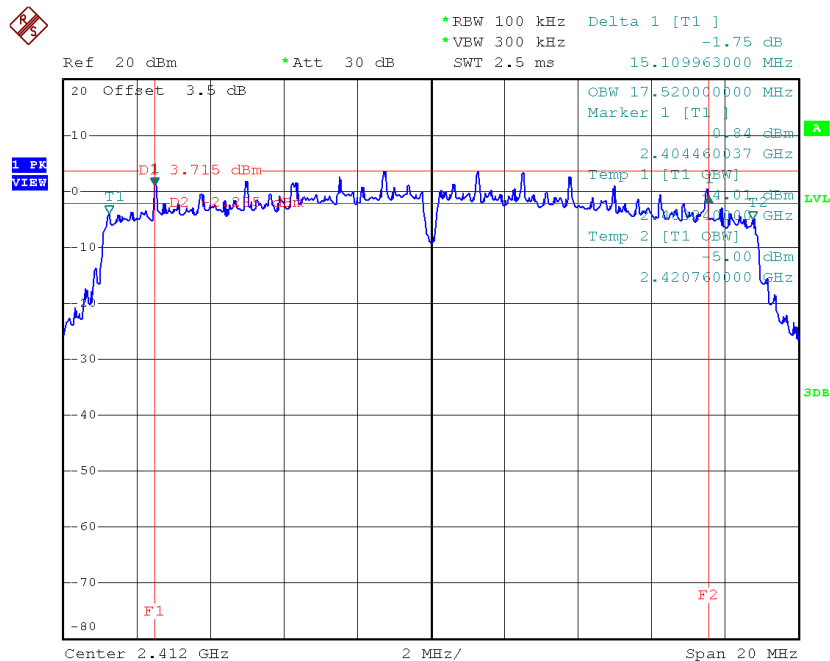


Date: 25.DEC.2016 13:33:38

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

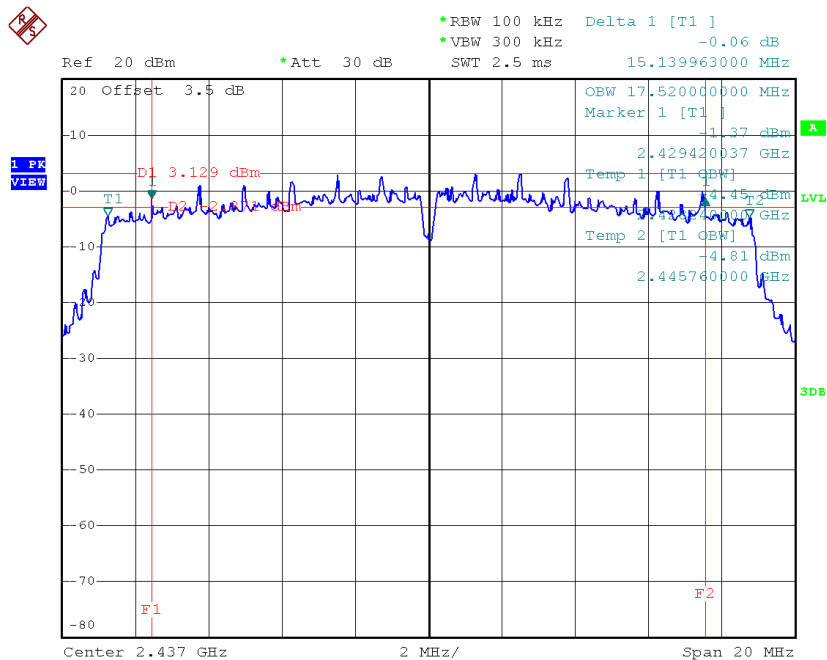
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.11	17.52	500	Complies
2437	15.14	17.52	500	Complies
2462	15.16	17.52	500	Complies

TX CH01



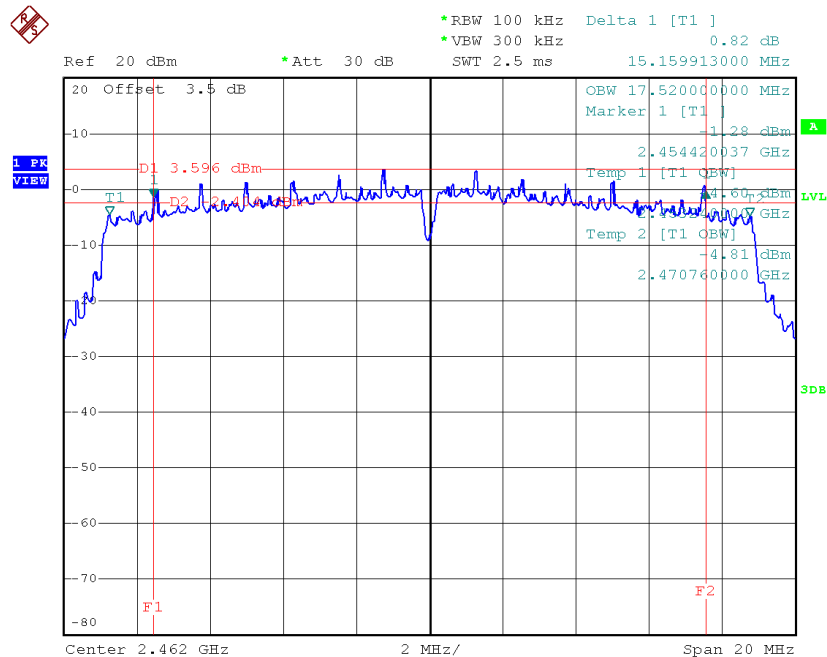
Date: 25.DEC.2016 13:35:10

TX CH06



Date: 25.DEC.2016 13:44:34

TX CH11

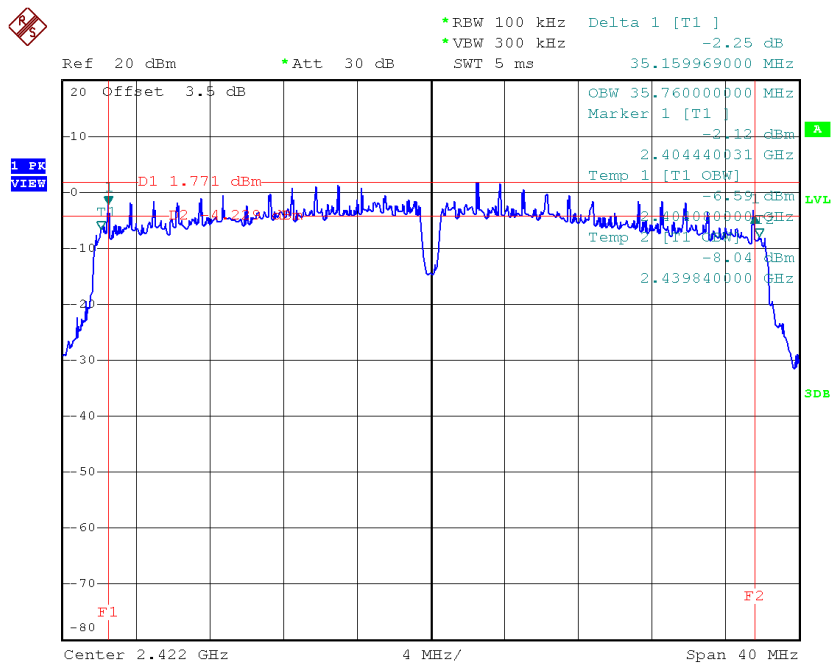


Date: 25.DEC.2016 13:45:50

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

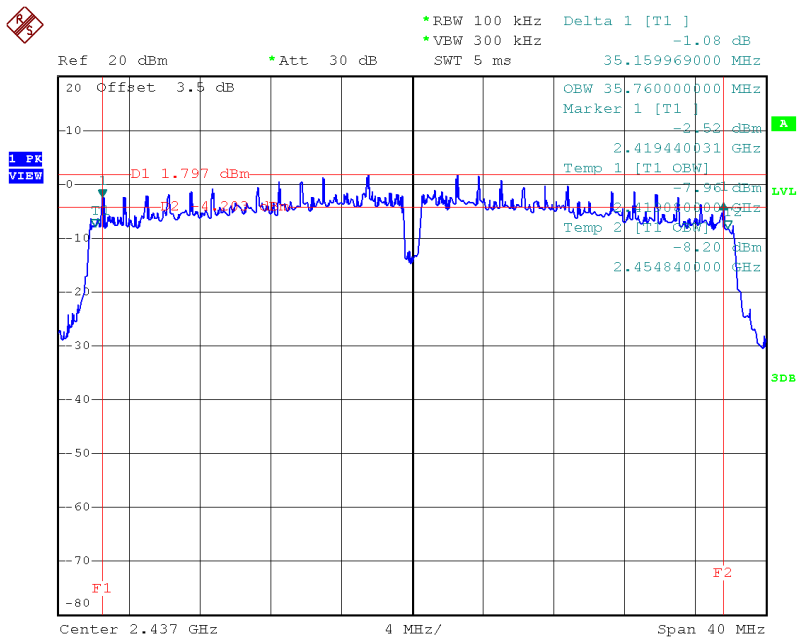
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.16	35.76	500	Complies
2437	35.16	35.76	500	Complies
2452	35.16	35.84	500	Complies

TX CH03



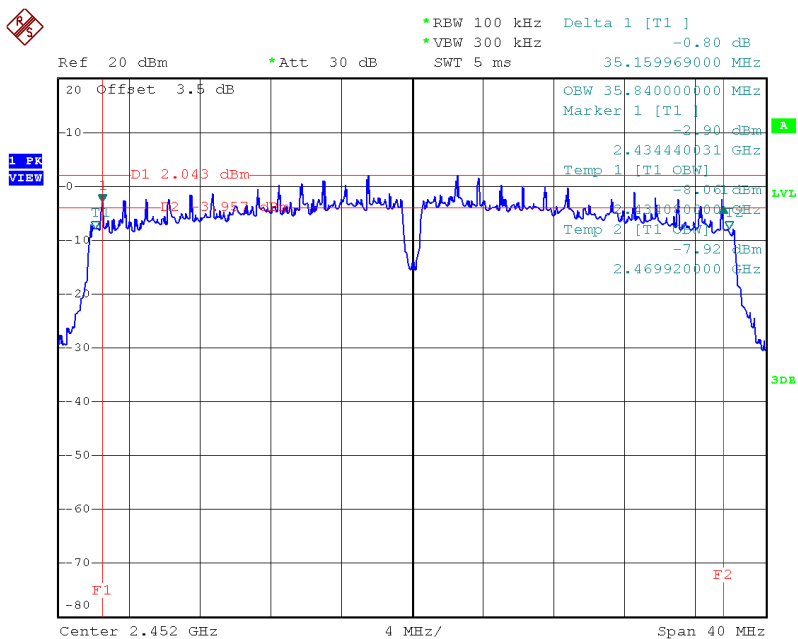
Date: 25.DEC.2016 13:47:48

TX CH06



Date: 25.DEC.2016 13:49:15

TX CH09



Date: 25.DEC.2016 13:50:35

APPENDIX F – MAXIMUM OUTPUT POWER

Test Mode :TX B Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	17.08	0.05	30.00	1.00	Complies
2437	16.87	0.05	30.00	1.00	Complies
2462	16.92	0.05	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.53	0.04	30.00	1.00	Complies
2437	16.43	0.04	30.00	1.00	Complies
2462	16.38	0.04	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.82	0.10	30.00	1.00	Complies
2437	19.67	0.09	30.00	1.00	Complies
2462	19.67	0.09	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.51	0.28	30.00	1.00	Complies
2437	24.39	0.27	30.00	1.00	Complies
2462	24.26	0.27	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.13	0.26	30.00	1.00	Complies
2437	23.89	0.24	30.00	1.00	Complies
2462	23.84	0.24	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	27.33	0.54	30.00	1.00	Complies
2437	27.16	0.52	30.00	1.00	Complies
2462	27.07	0.51	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.98	0.31	30.00	1.00	Complies
2437	24.92	0.31	30.00	1.00	Complies
2462	25.04	0.32	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.64	0.23	30.00	1.00	Complies
2437	23.74	0.24	30.00	1.00	Complies
2462	23.80	0.24	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	27.37	0.55	30.00	1.00	Complies
2437	27.38	0.55	30.00	1.00	Complies
2462	27.47	0.56	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	24.76	0.30	30.00	1.00	Complies
2437	24.50	0.28	30.00	1.00	Complies
2452	24.54	0.28	30.00	1.00	Complies

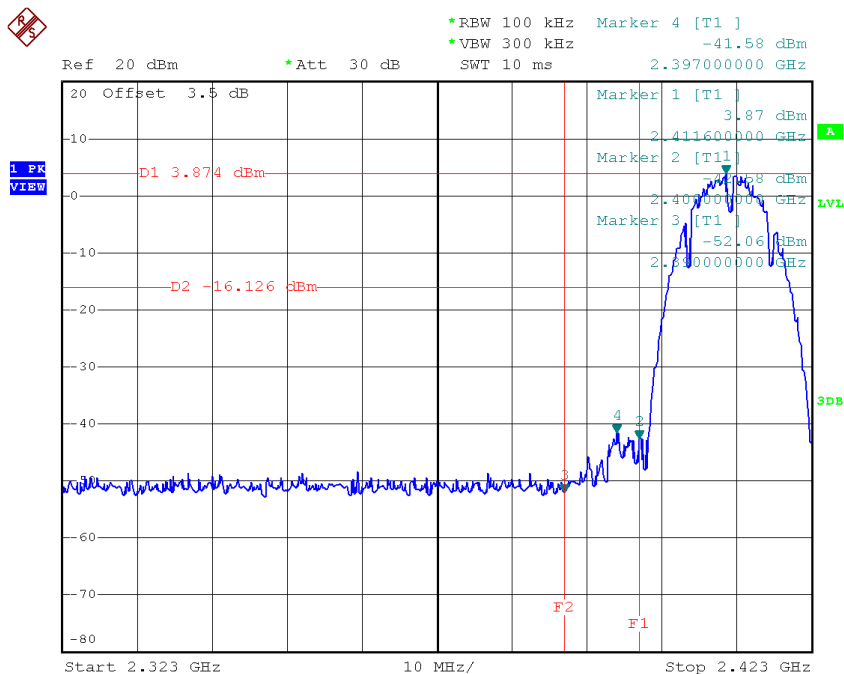
Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	24.17	0.26	30.00	1.00	Complies
2437	24.01	0.25	30.00	1.00	Complies
2452	24.09	0.26	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	27.49	0.56	30.00	1.00	Complies
2437	27.27	0.53	30.00	1.00	Complies
2452	27.33	0.54	30.00	1.00	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSION

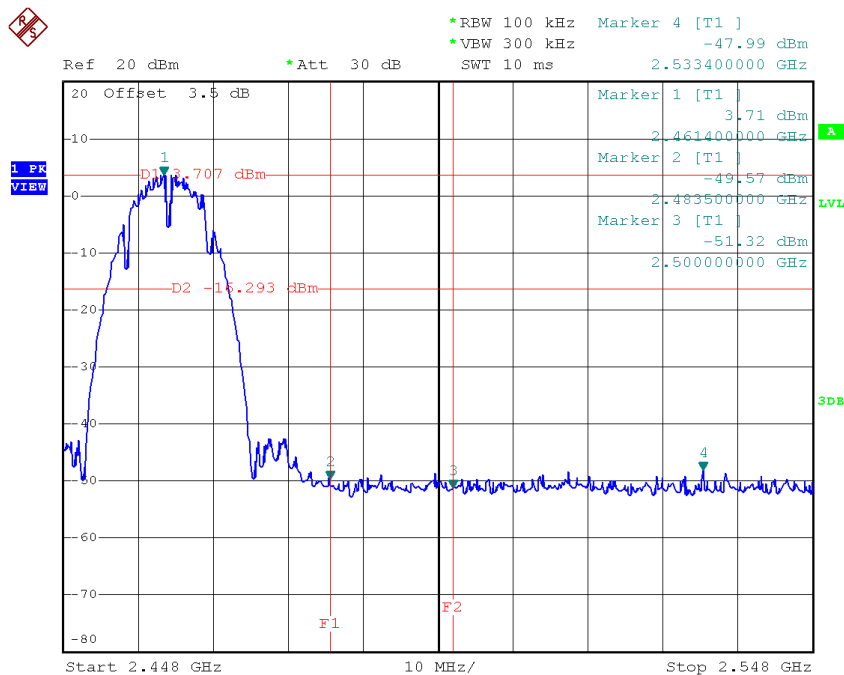
Test Mode : TX B Mode_ANT 1

TX B mode CH01



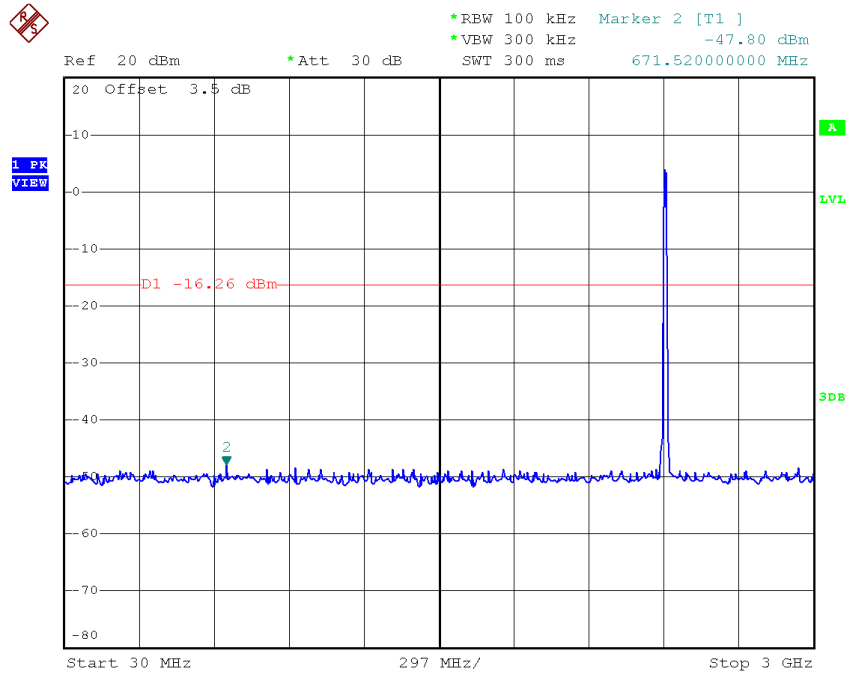
Date: 25.DEC.2016 13:14:02

TX B mode CH11

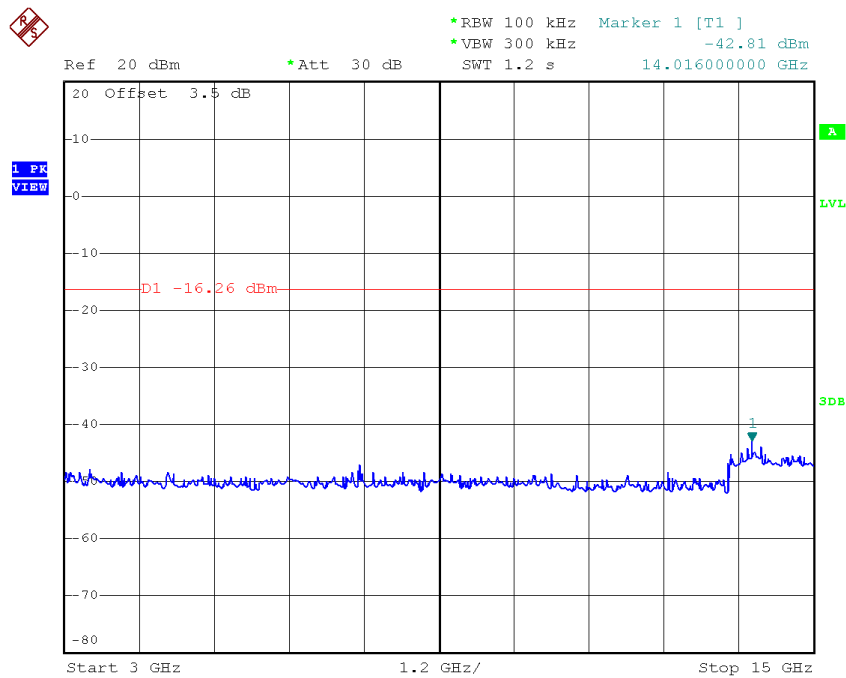


Date: 25.DEC.2016 13:19:37

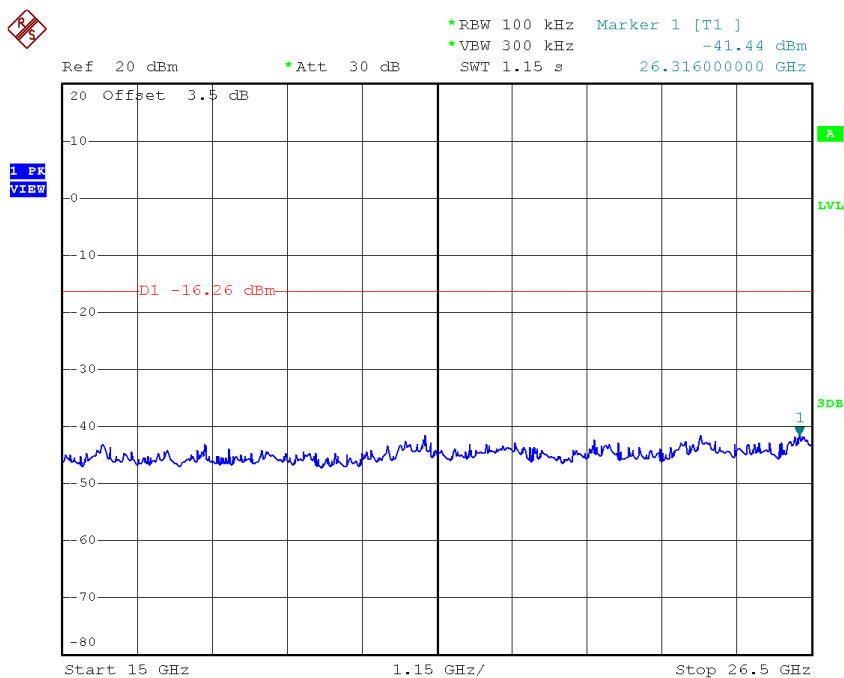
TX B mode CH01 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:13:37

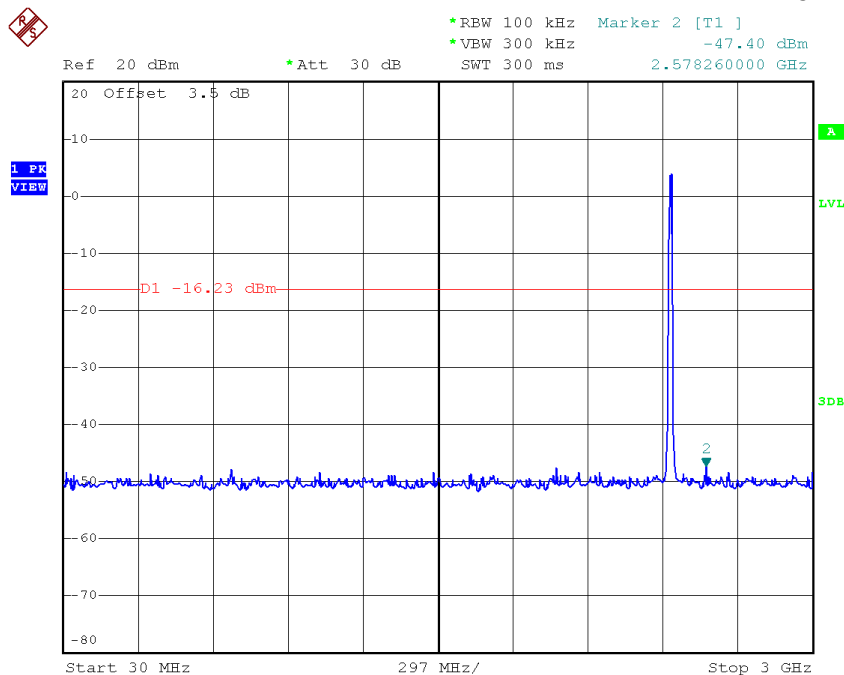


Date: 25.DEC.2016 13:13:46

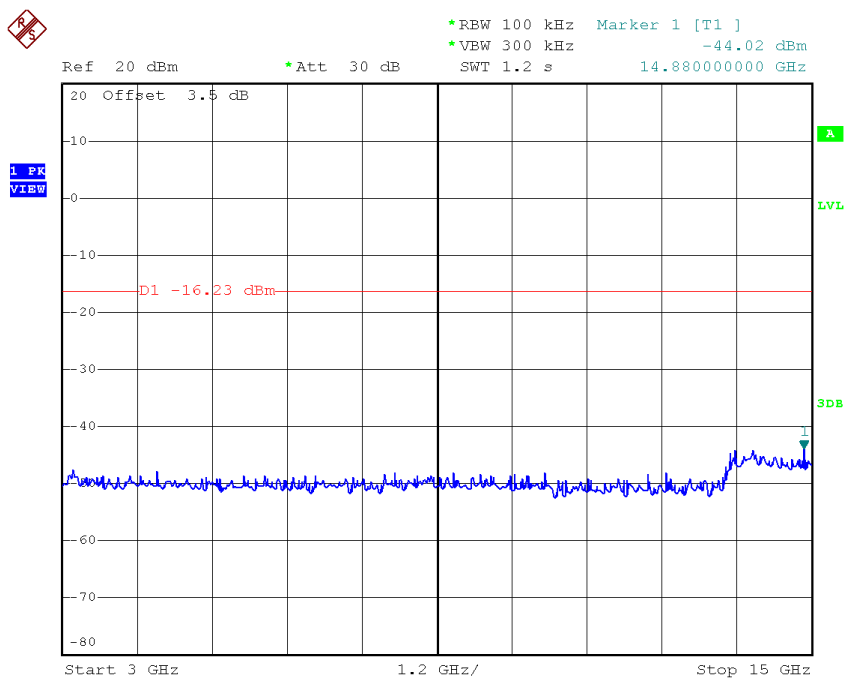


Date: 25.DEC.2016 13:13:54

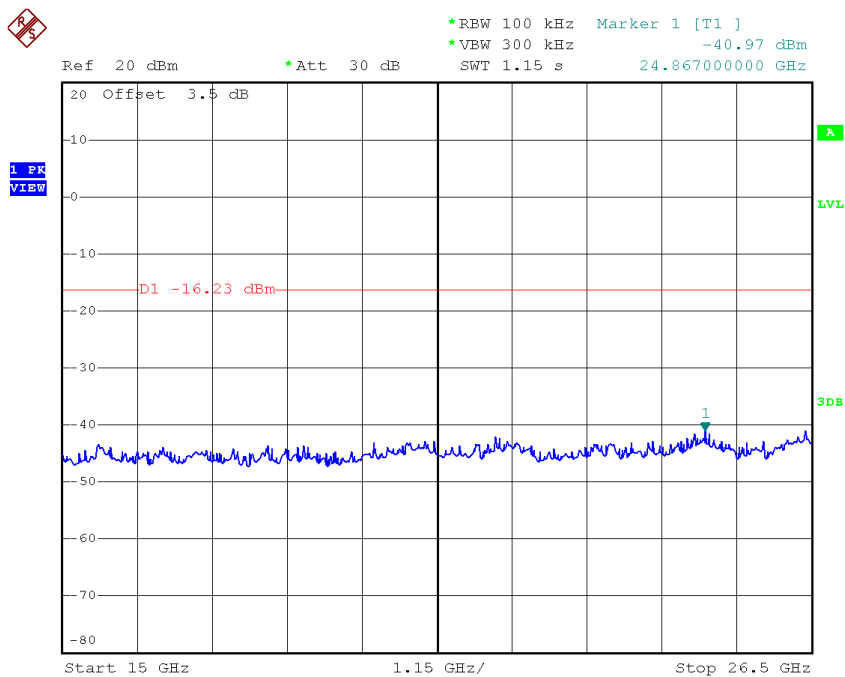
TX B mode CH06 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:15:39

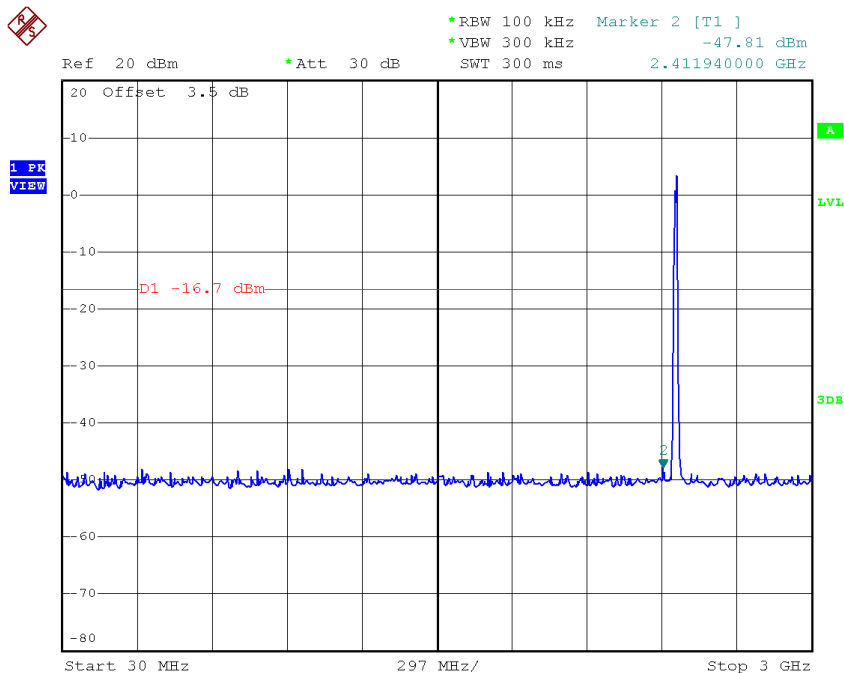


Date: 25.DEC.2016 13:15:47

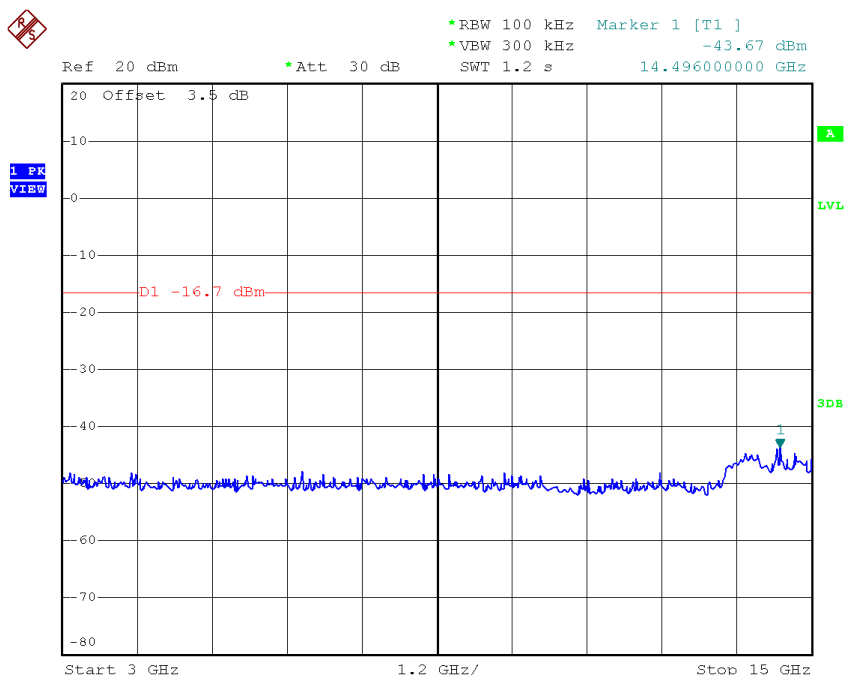


Date: 25.DEC.2016 13:15:56

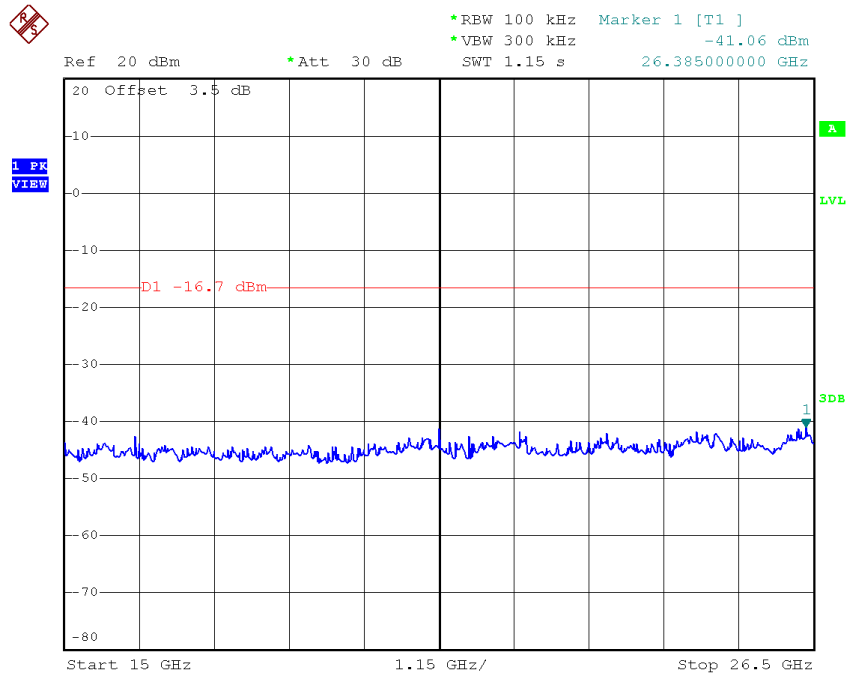
TX B mode CH11 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:19:13



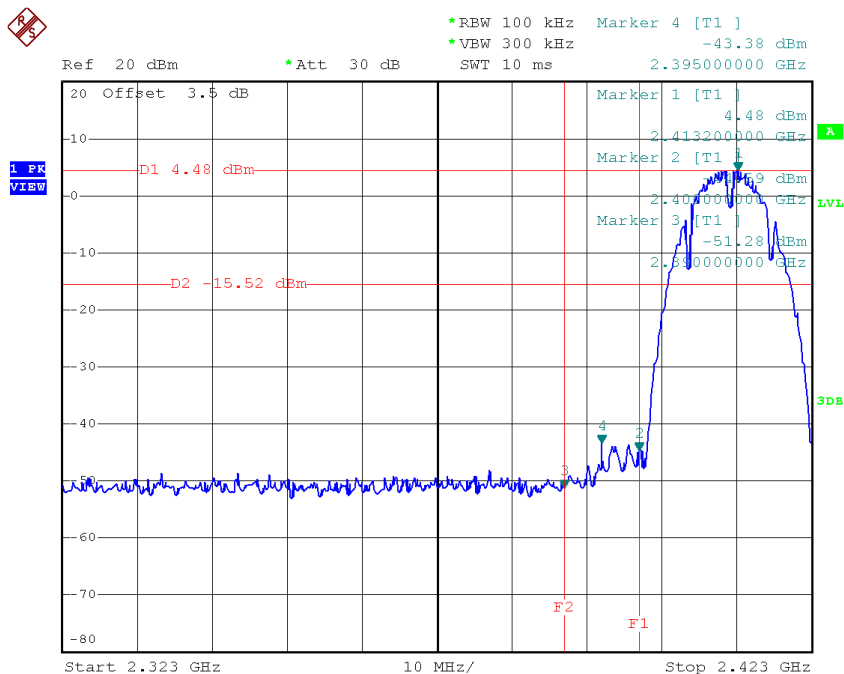
Date: 25.DEC.2016 13:19:21



Date: 25.DEC.2016 13:19:30

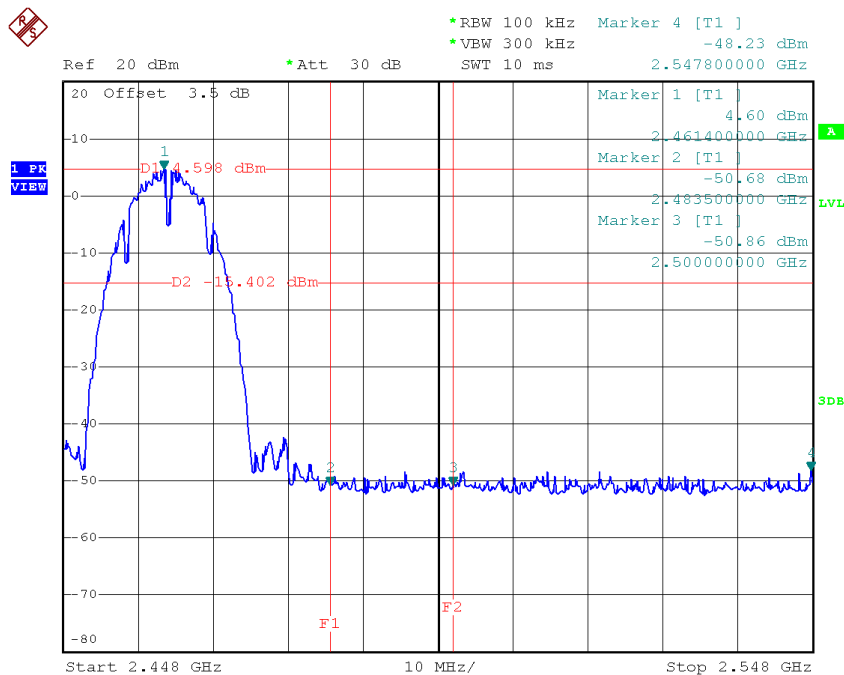
Test Mode : TX B Mode_ANT 2

TX B mode CH01



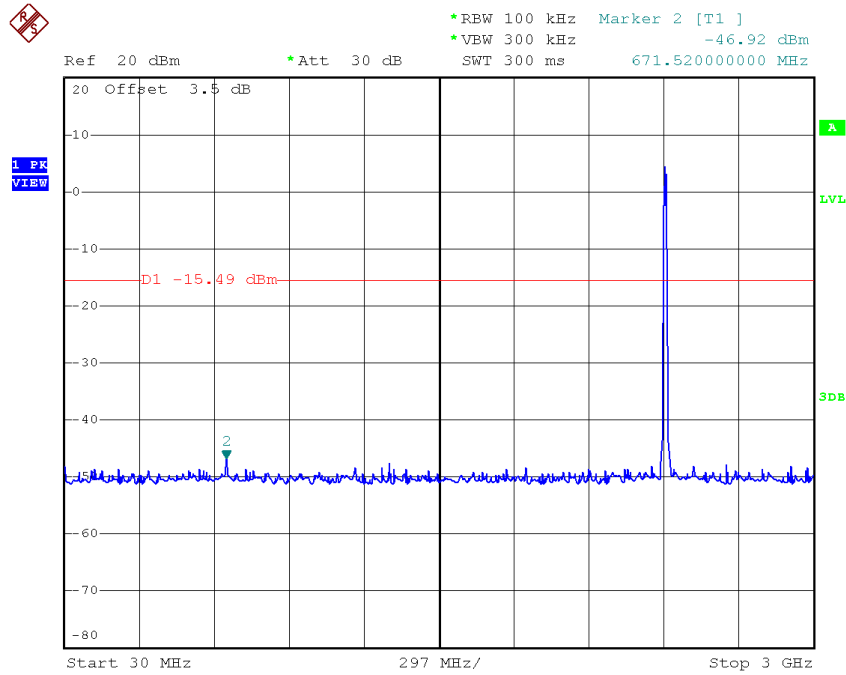
Date: 10.JAN.2017 10:12:46

TX B mode CH11

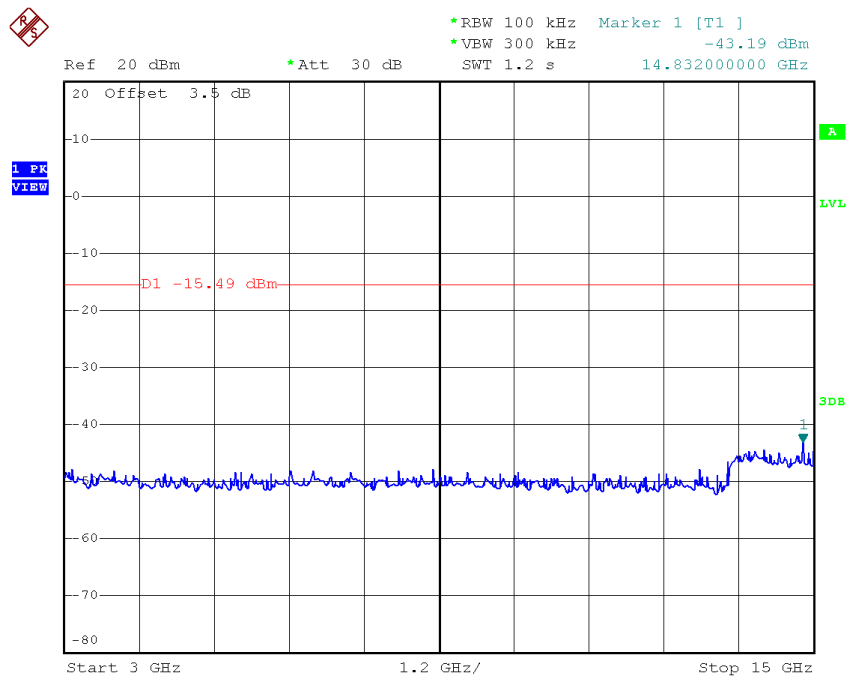


Date: 10.JAN.2017 10:17:02

TX B mode CH01 (10 Harmonic of the frequency)



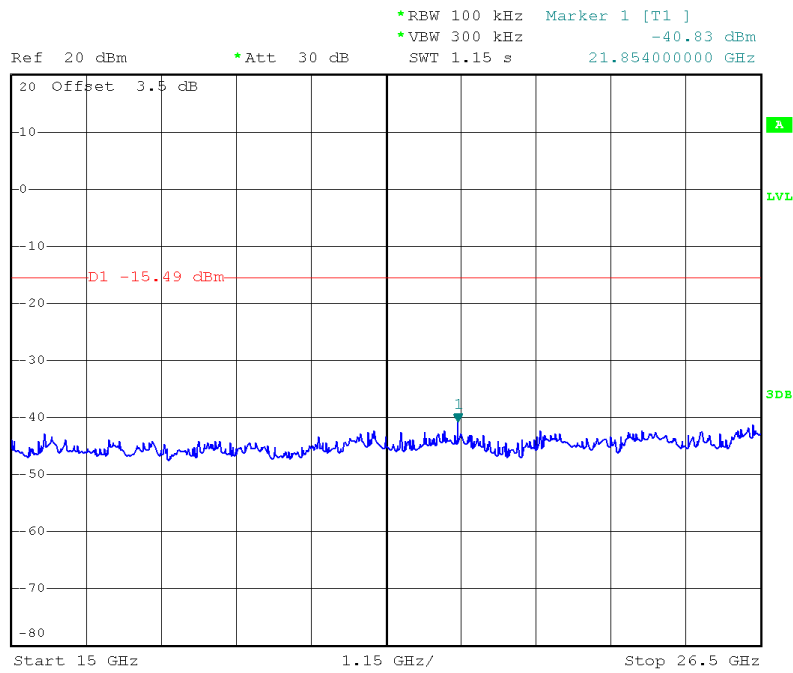
Date: 10.JAN.2017 10:12:21



Date: 10.JAN.2017 10:12:30



1 PK
VIEW

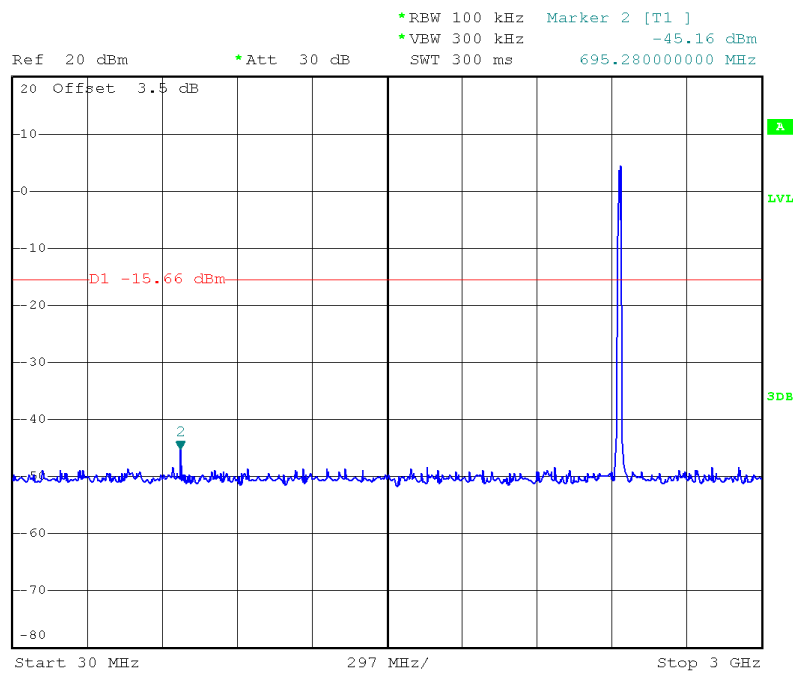


Date: 10.JAN.2017 10:12:38

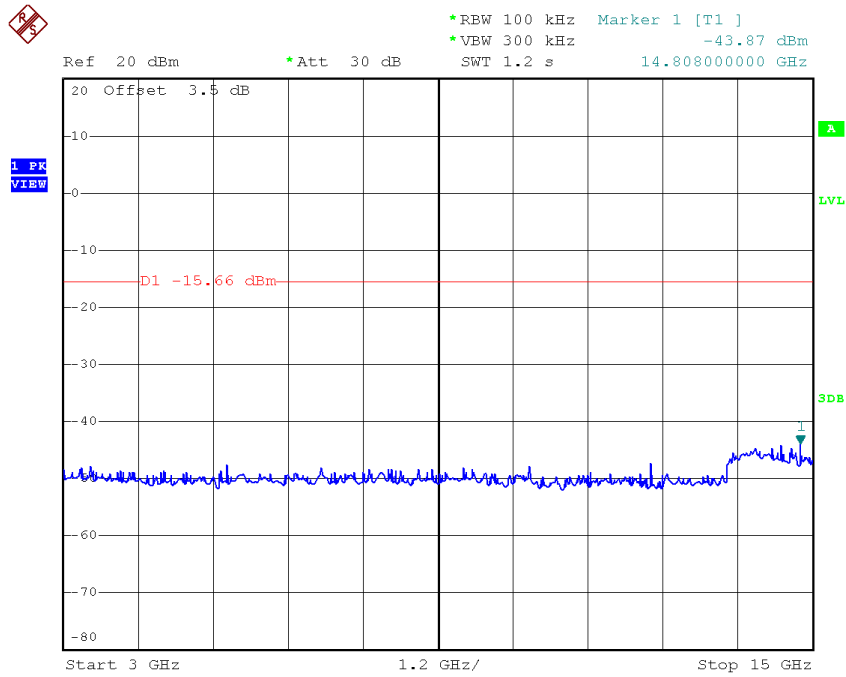
TX B mode CH06 (10 Harmonic of the frequency)



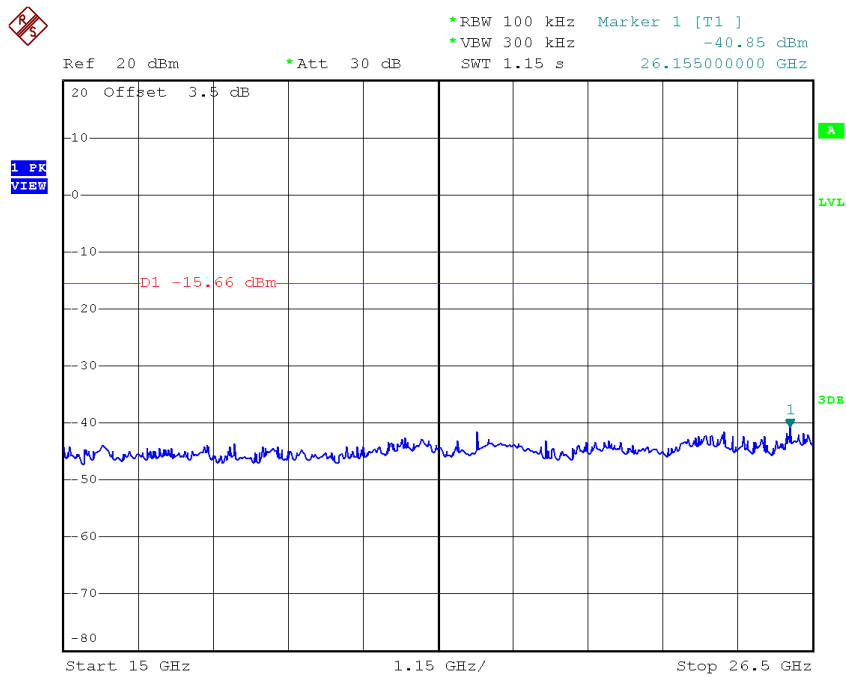
1 PK
VIEW



Date: 10.JAN.2017 10:14:51

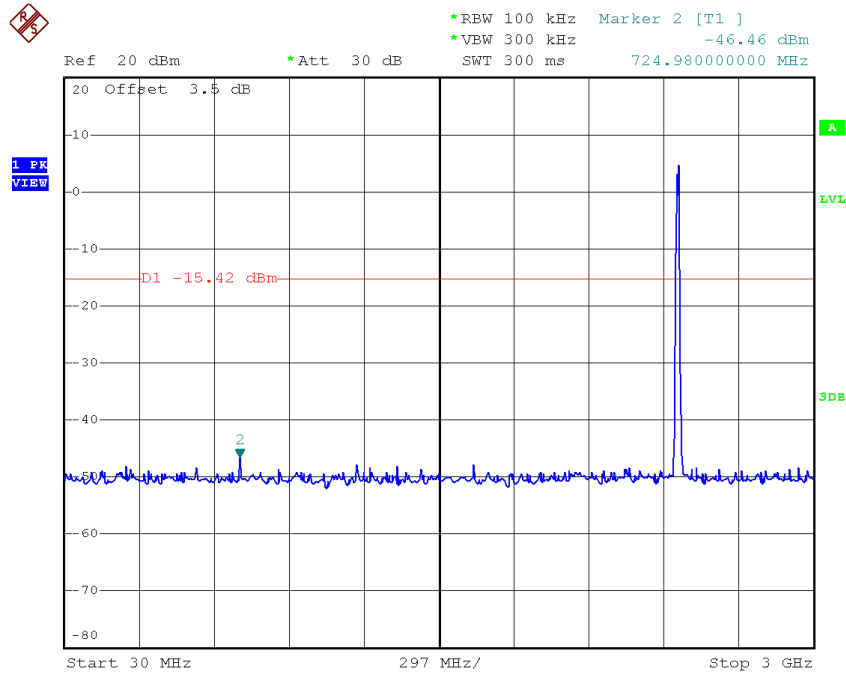


Date: 10.JAN.2017 10:14:59

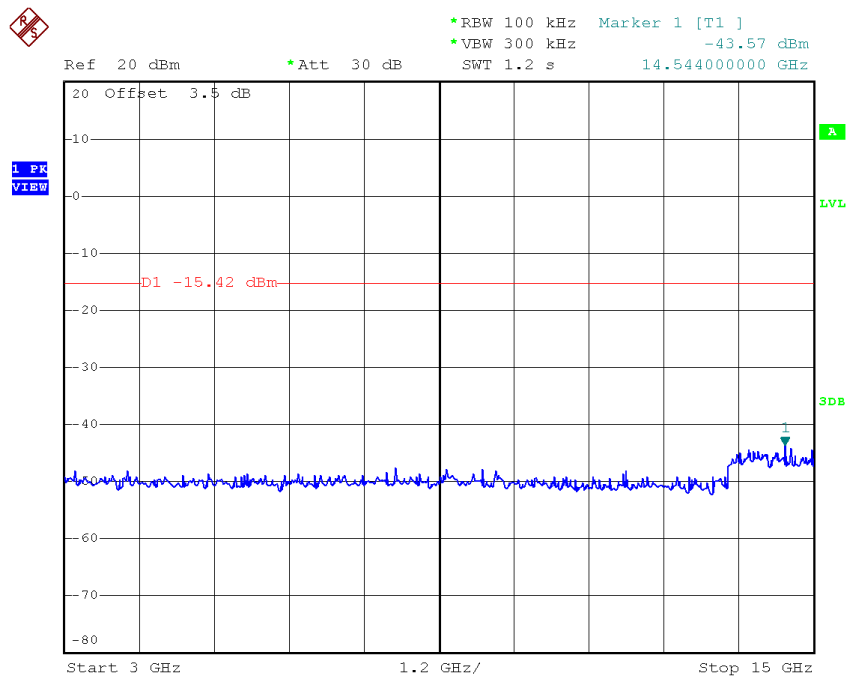


Date: 10.JAN.2017 10:15:08

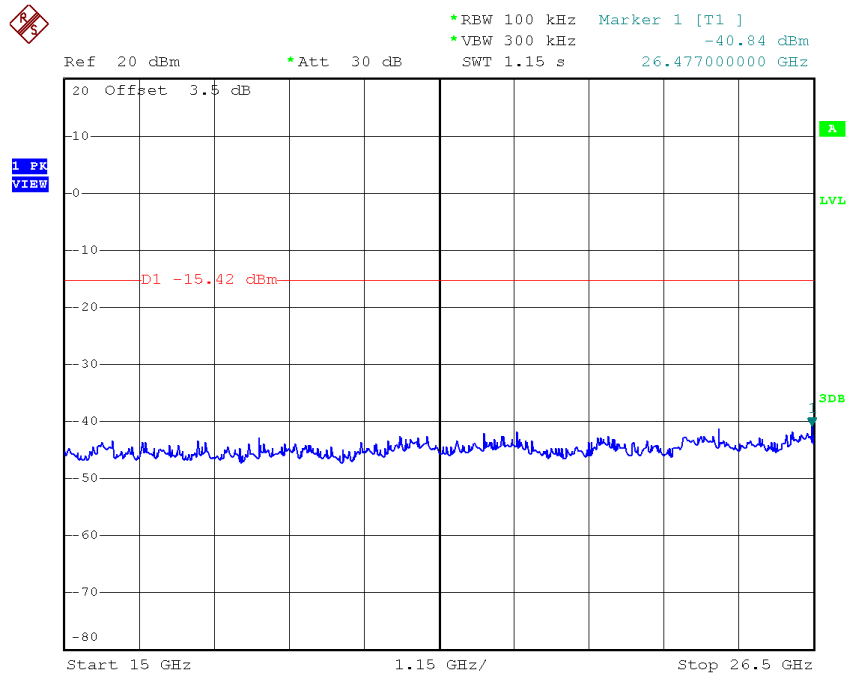
TX B mode CH11 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:16:37



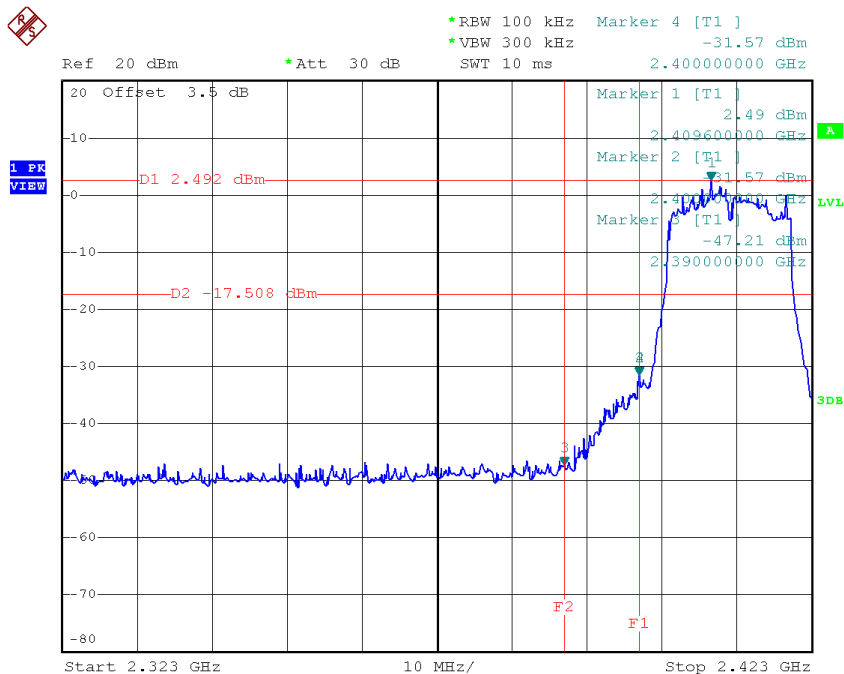
Date: 10.JAN.2017 10:16:45



Date: 10.JAN.2017 10:16:54

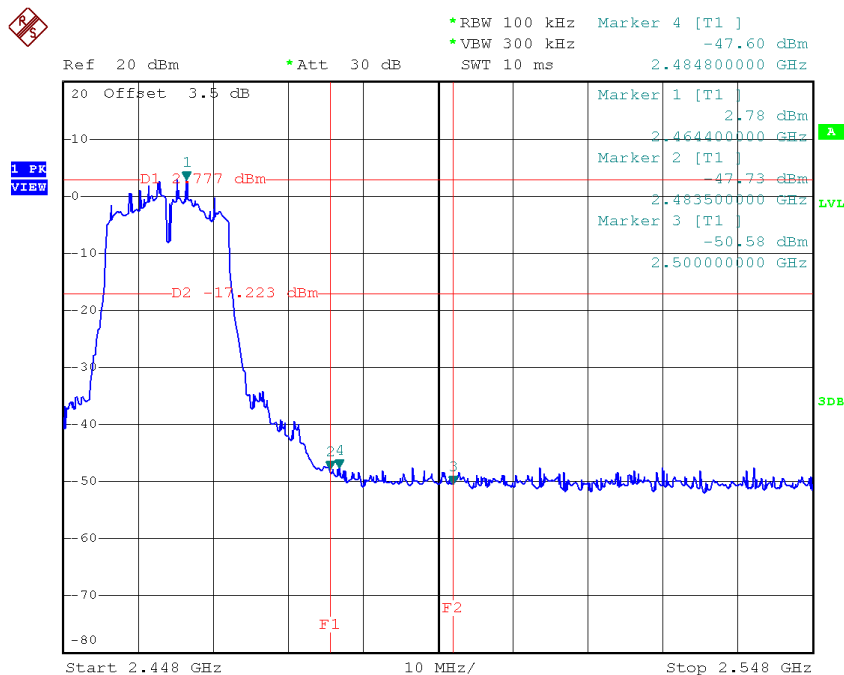
Test Mode : TX G Mode_ANT 1

TX G mode CH01



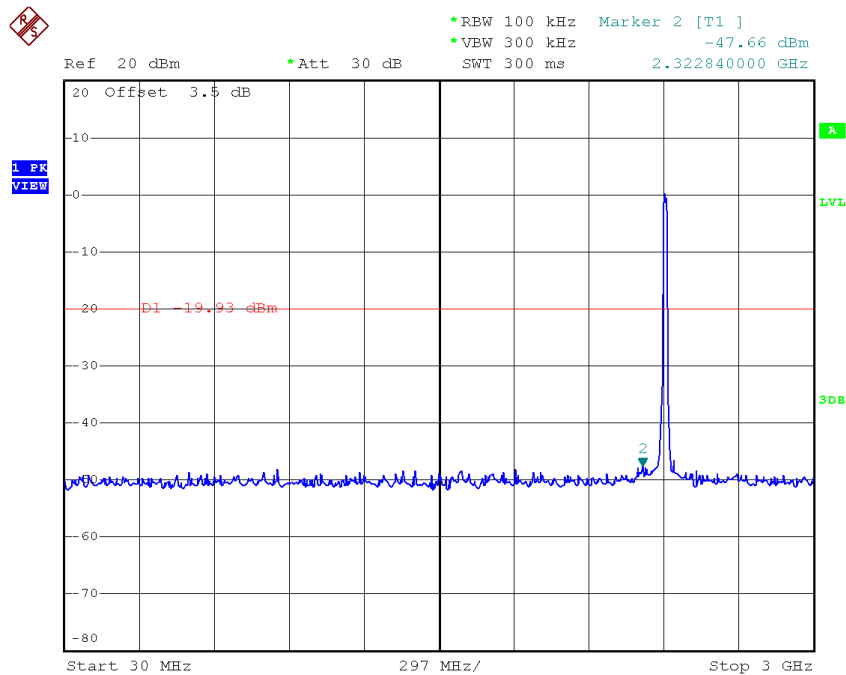
Date: 25.DEC.2016 13:28:43

TX G mode CH11

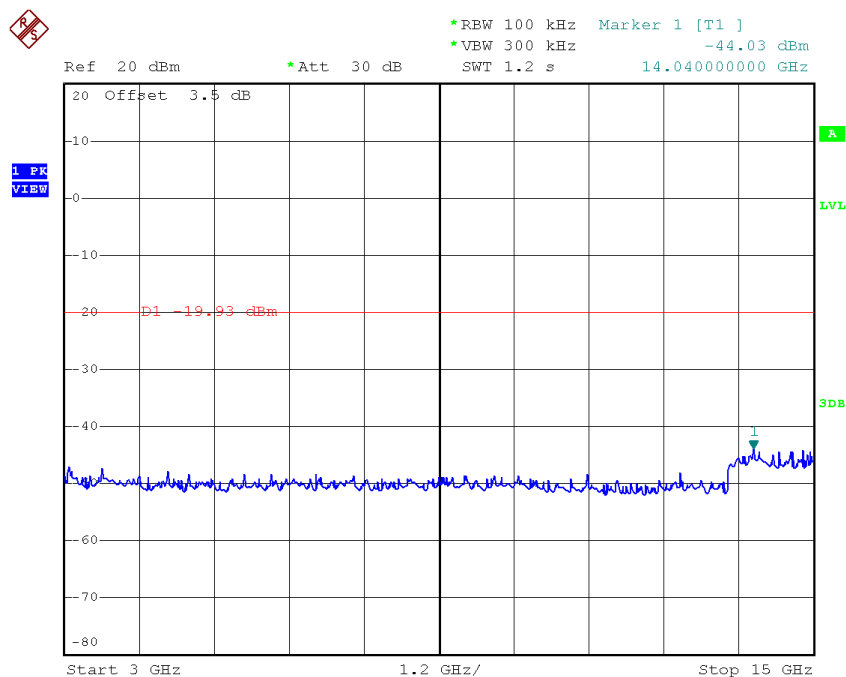


Date: 25.DEC.2016 13:34:17

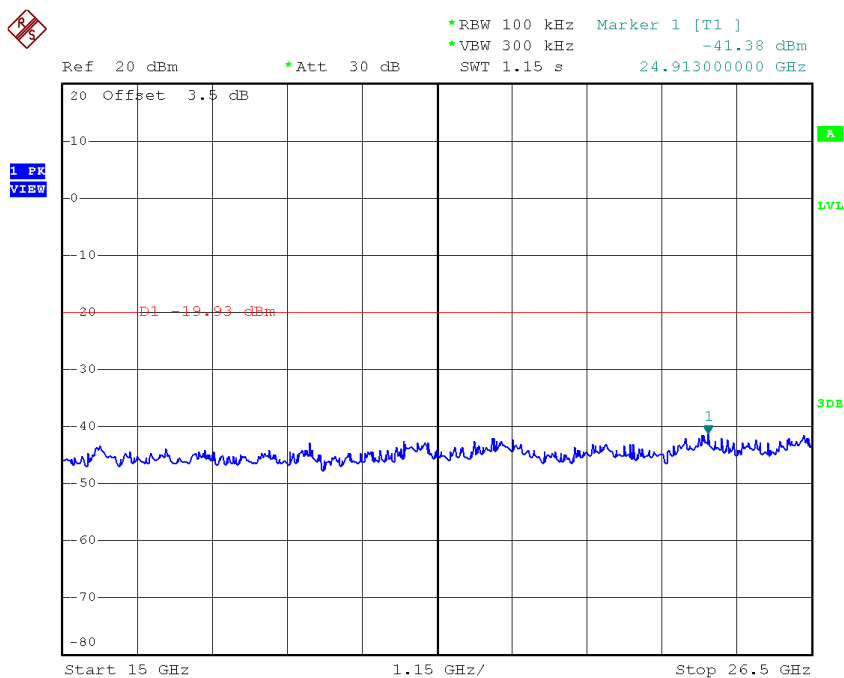
TX G mode CH01 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:28:18

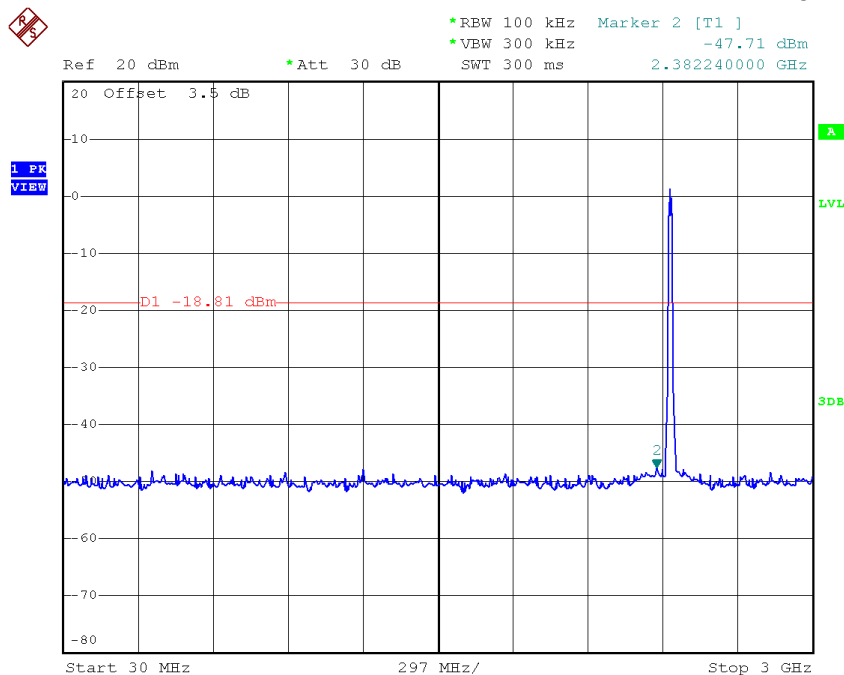


Date: 25.DEC.2016 13:28:27

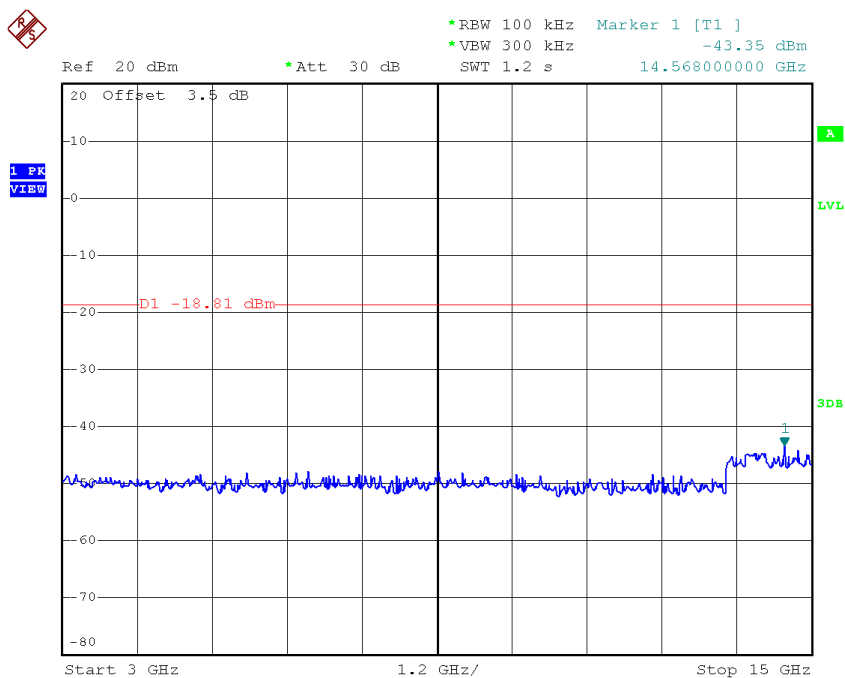


Date: 25.DEC.2016 13:28:35

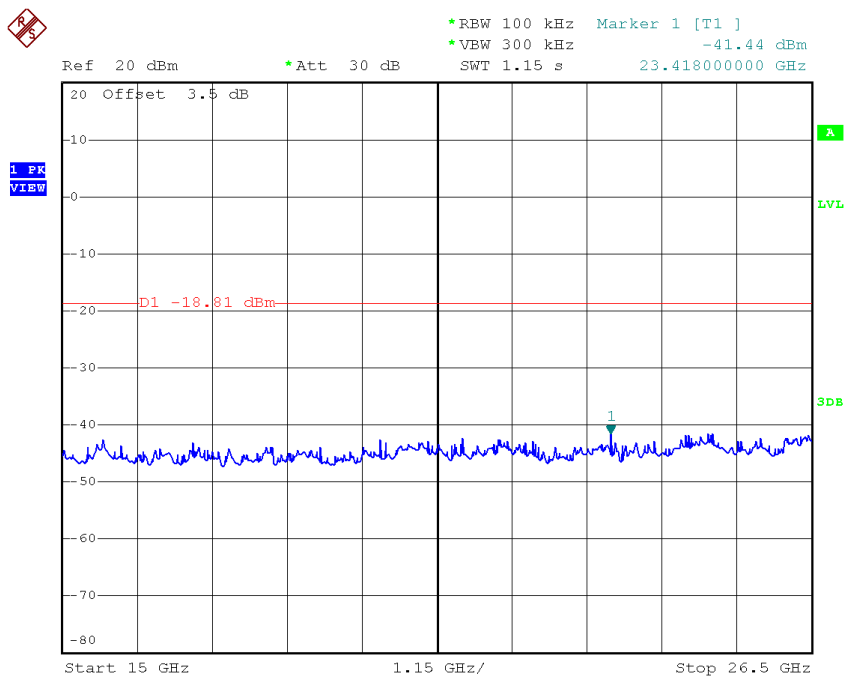
TX G mode CH06 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:32:23

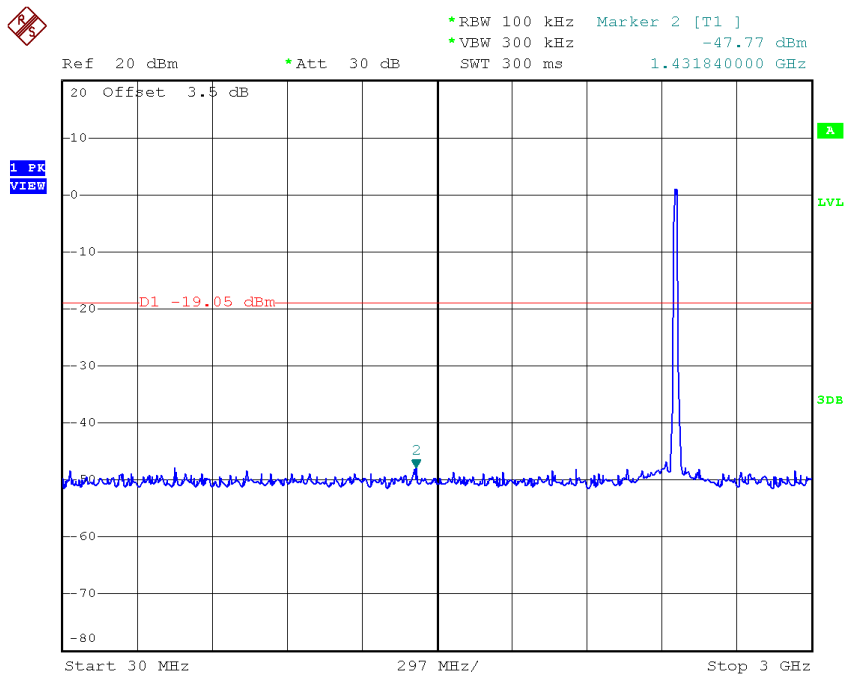


Date: 25.DEC.2016 13:32:32

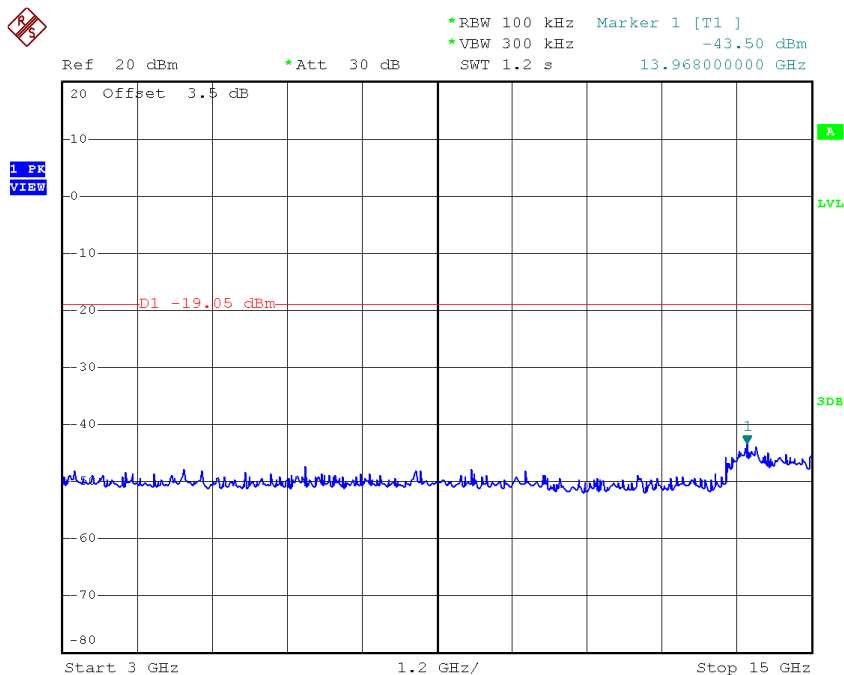


Date: 25.DEC.2016 13:32:40

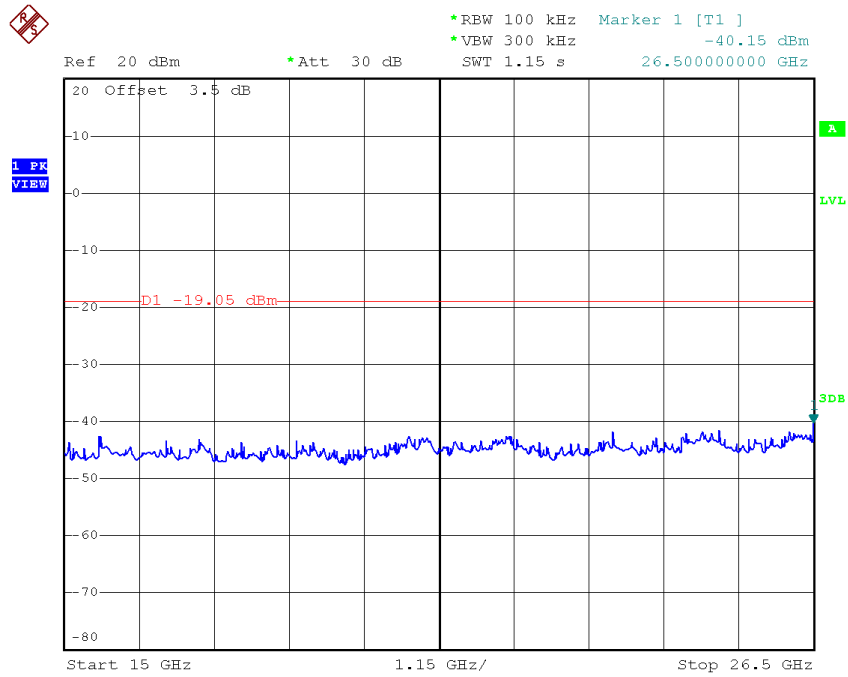
TX G mode CH11 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:33:52



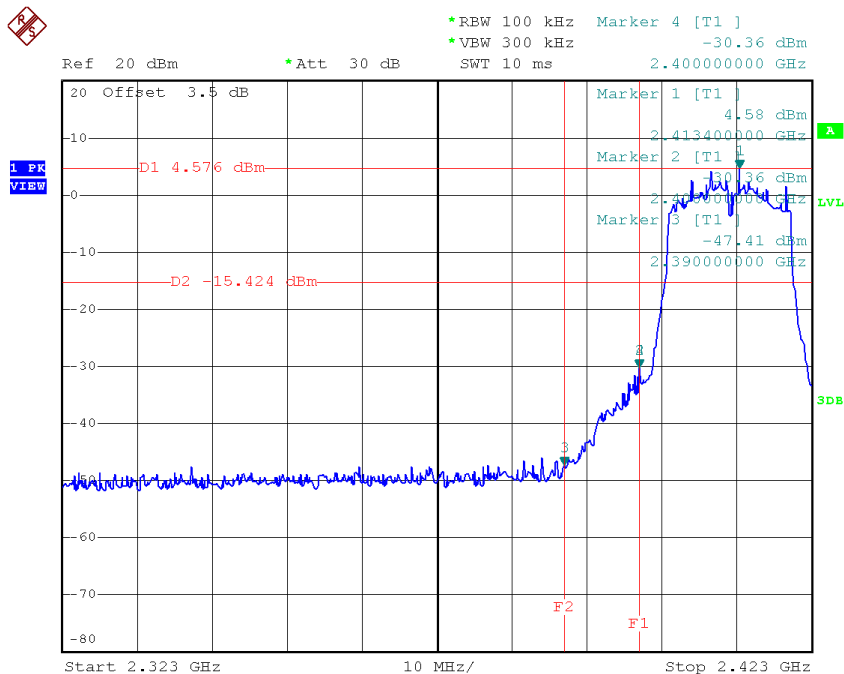
Date: 25.DEC.2016 13:34:01



Date: 25.DEC.2016 13:34:09

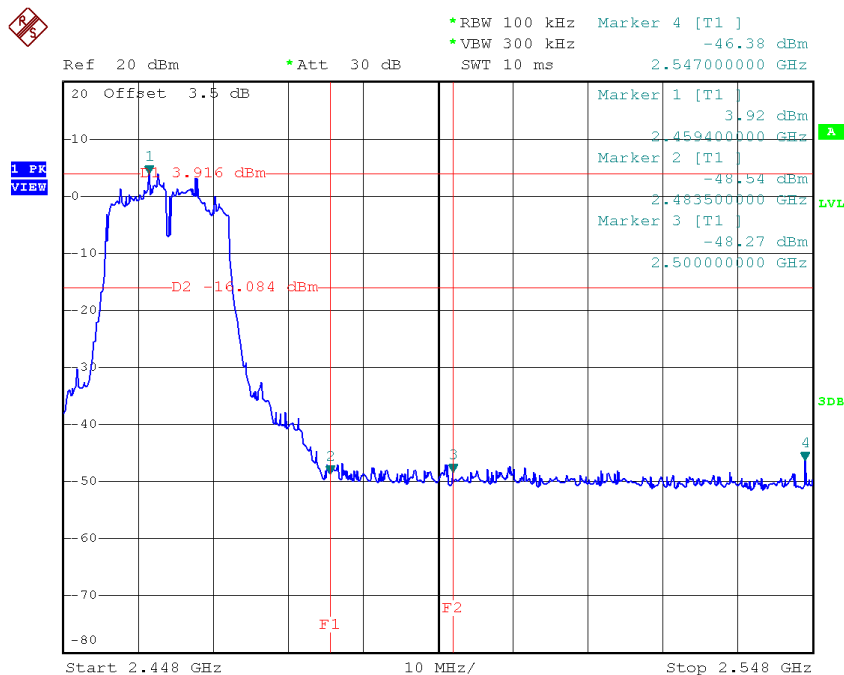
Test Mode : TX G Mode_ANT 2

TX G mode CH01



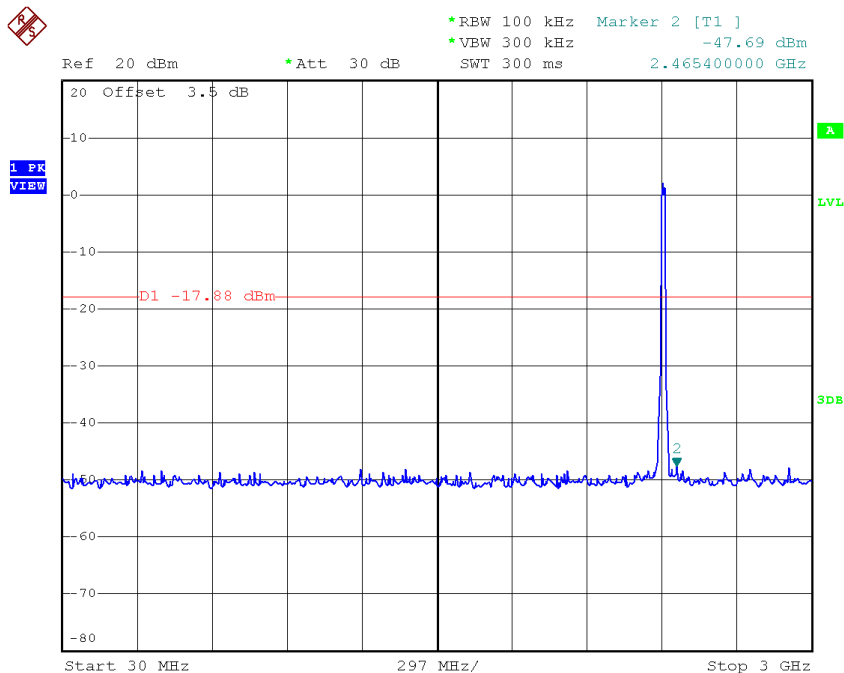
Date: 10.JAN.2017 10:20:01

TX G mode CH11

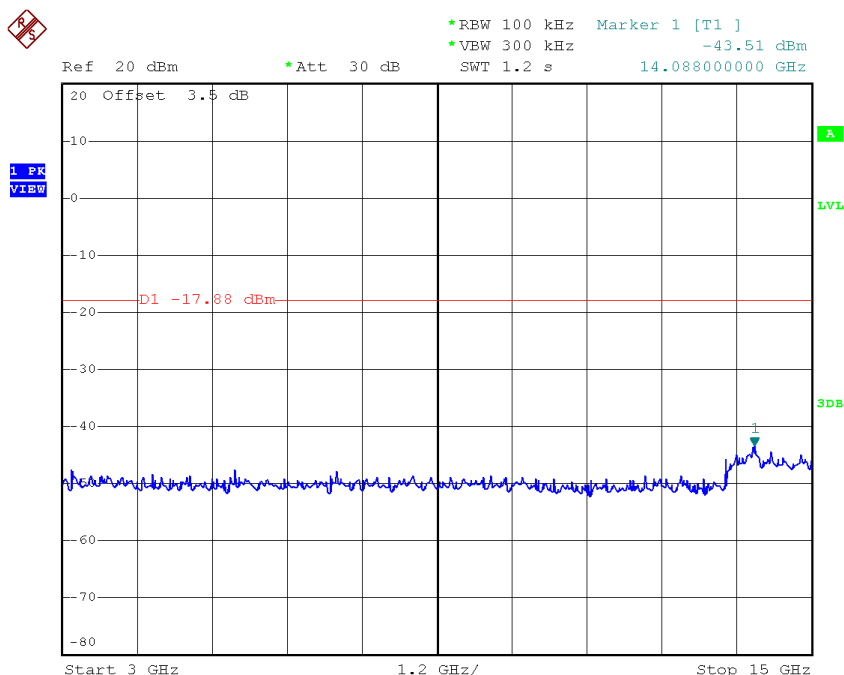


Date: 10.JAN.2017 10:23:42

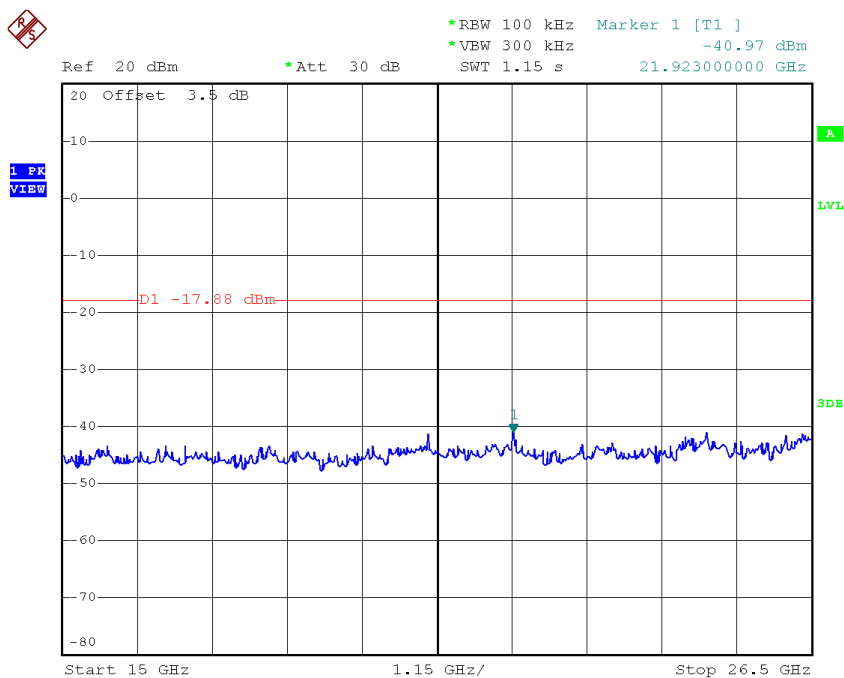
TX G mode CH01 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:19:37

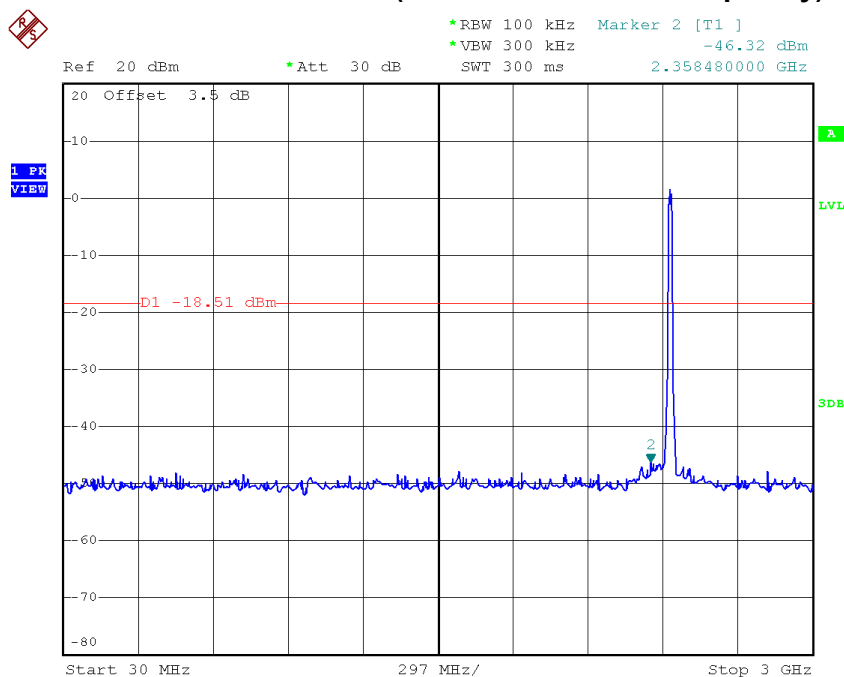


Date: 10.JAN.2017 10:19:45

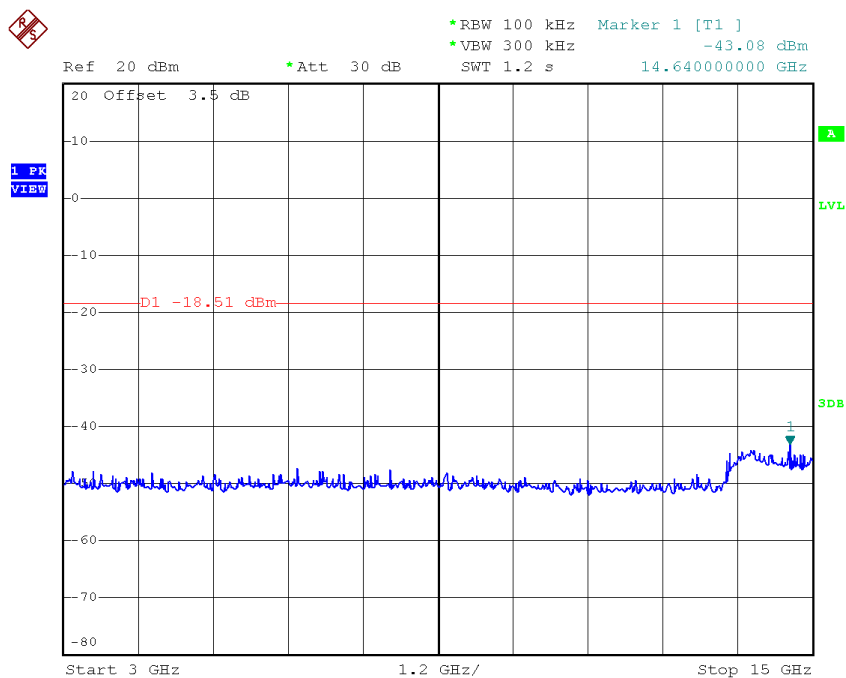


Date: 10.JAN.2017 10:19:53

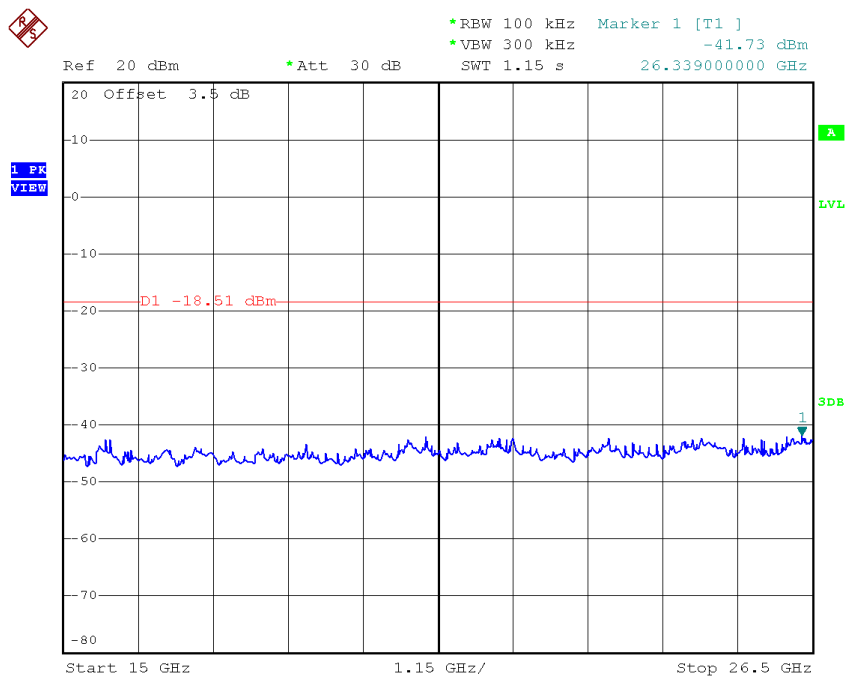
TX G mode CH06 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:21:38

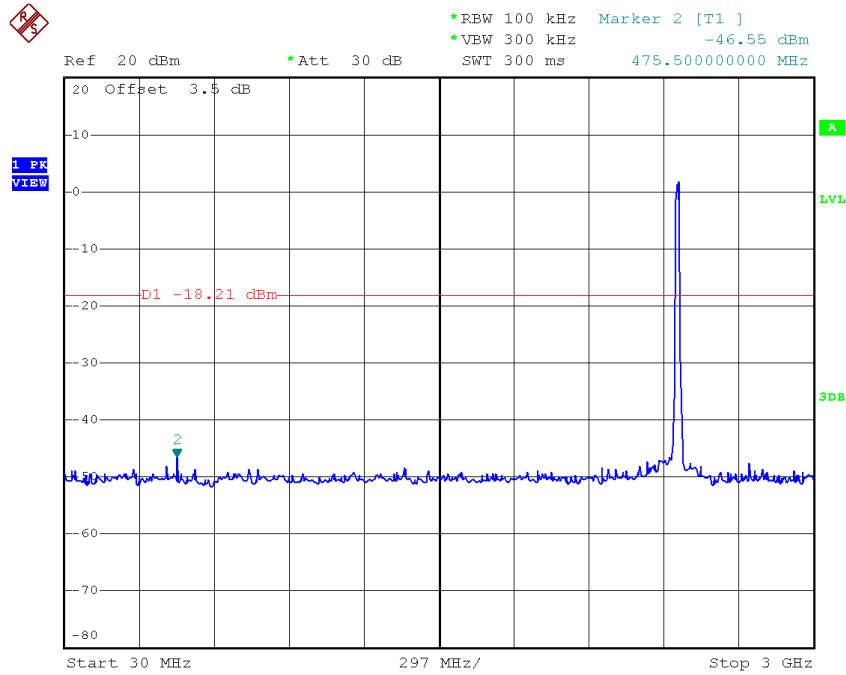


Date: 10.JAN.2017 10:21:46

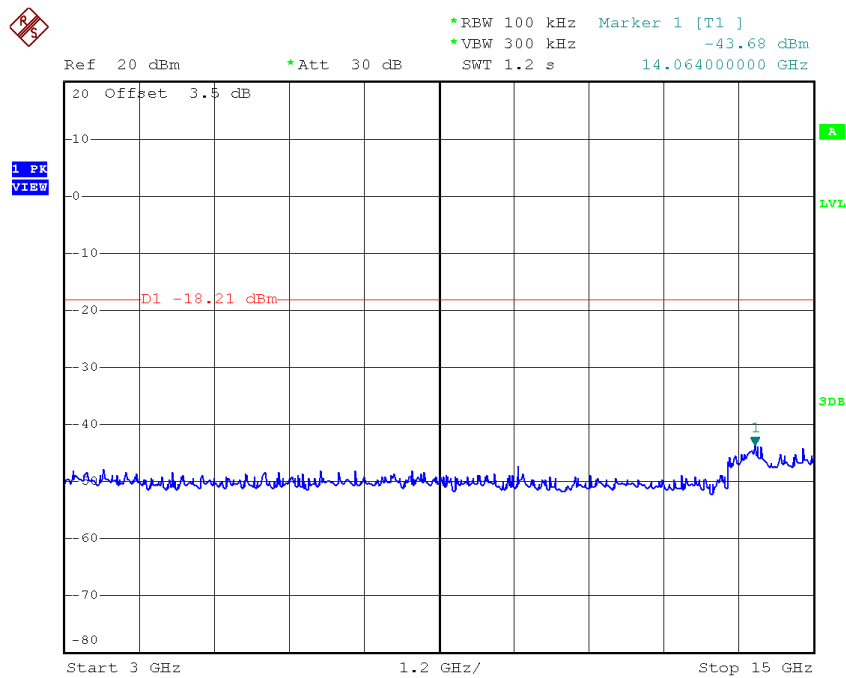


Date: 10.JAN.2017 10:21:54

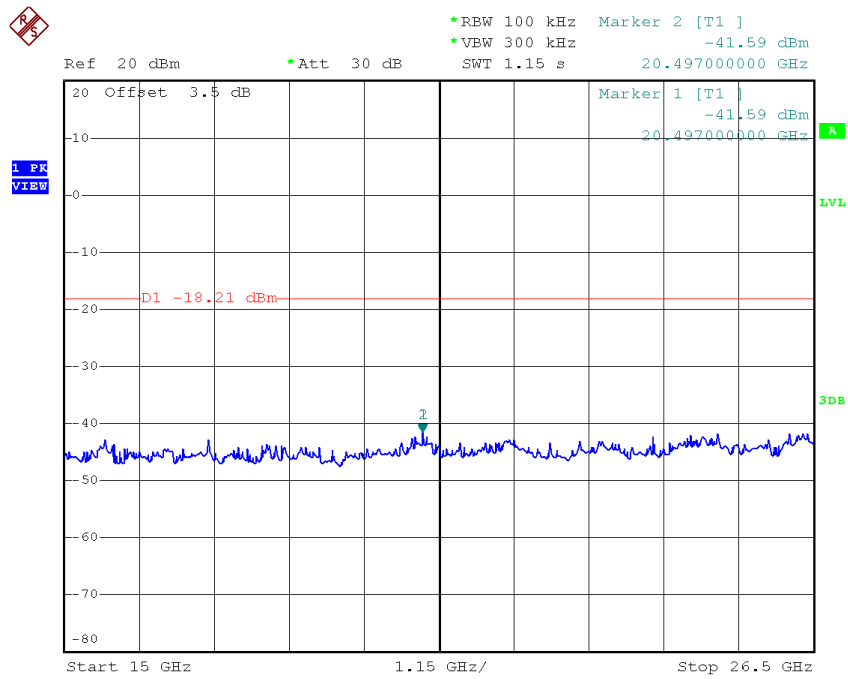
TX G mode CH11 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:23:18



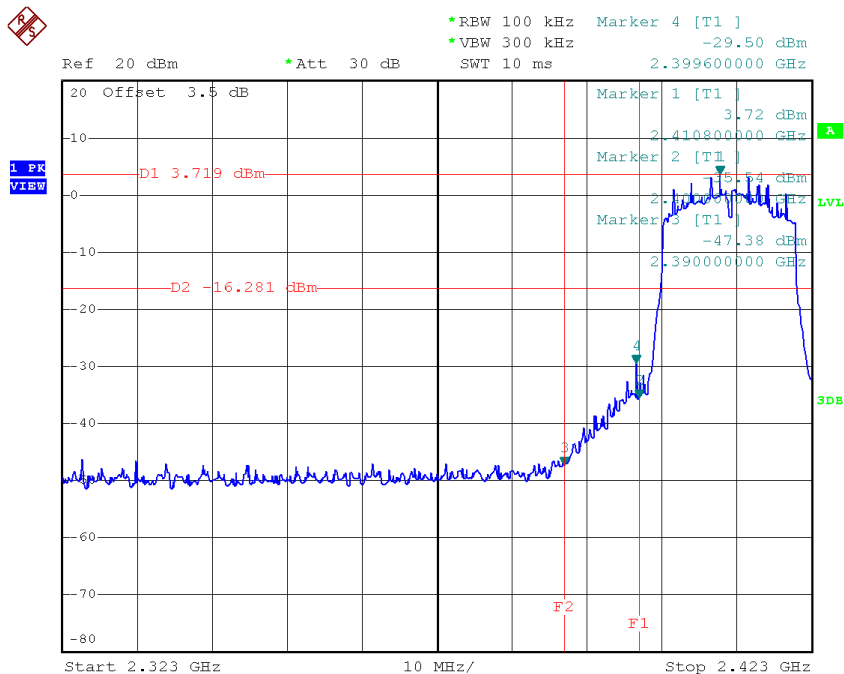
Date: 10.JAN.2017 10:23:26



Date: 10.JAN.2017 10:23:35

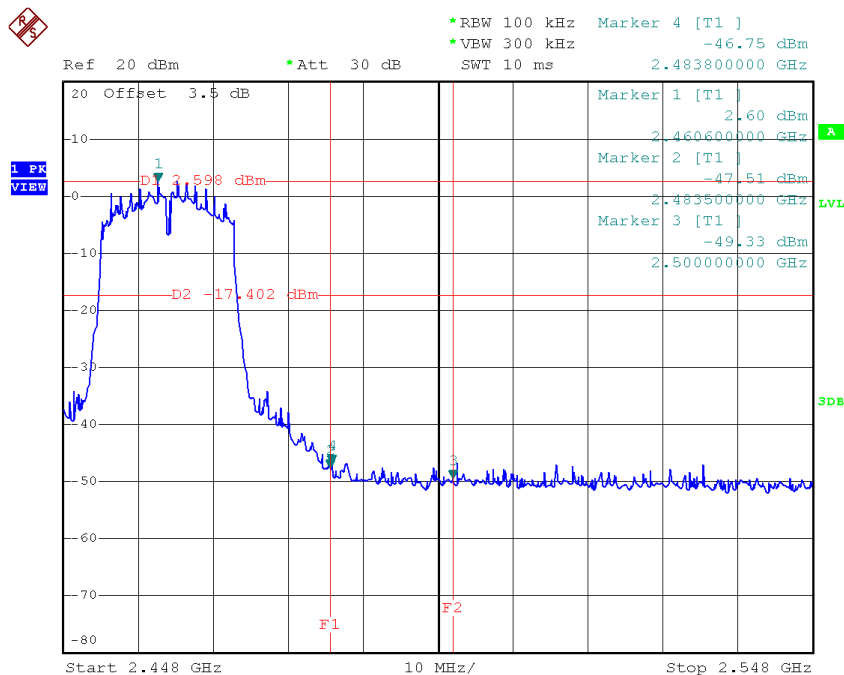
Test Mode : TX N-20M Mode_ANT 1

TX HT20 mode CH01



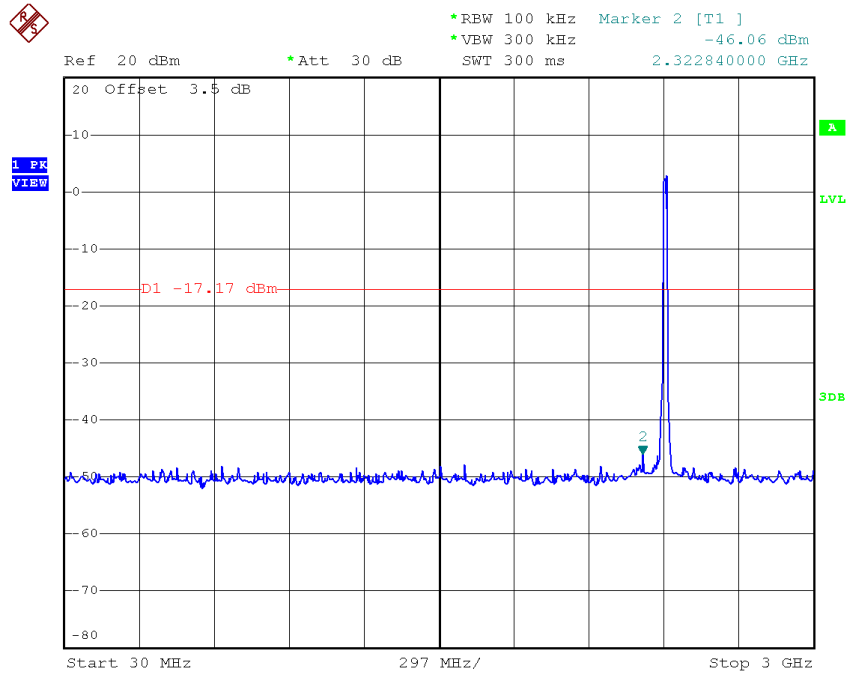
Date: 25.DEC.2016 13:35:49

TX HT20 mode CH11

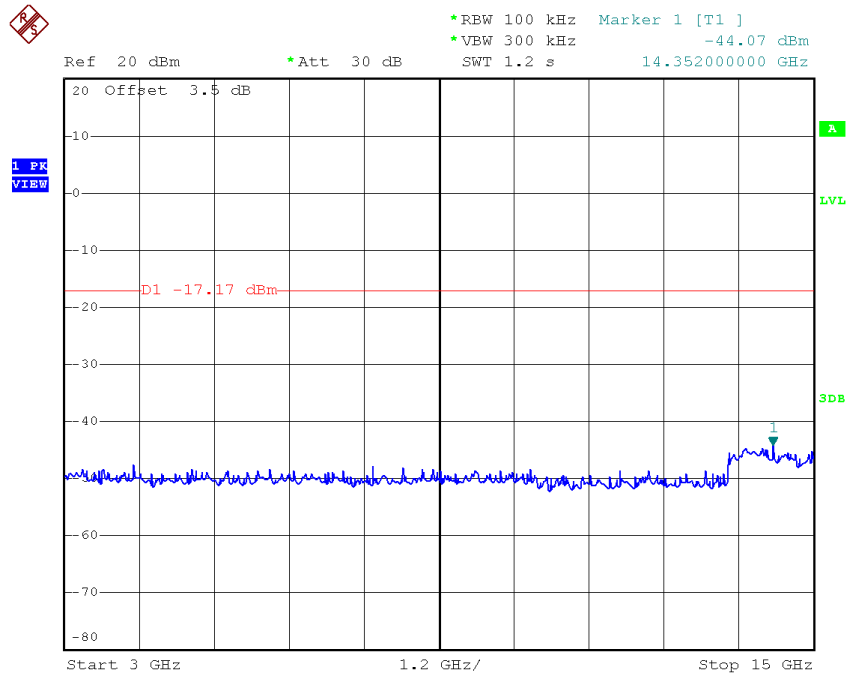


Date: 25.DEC.2016 13:46:28

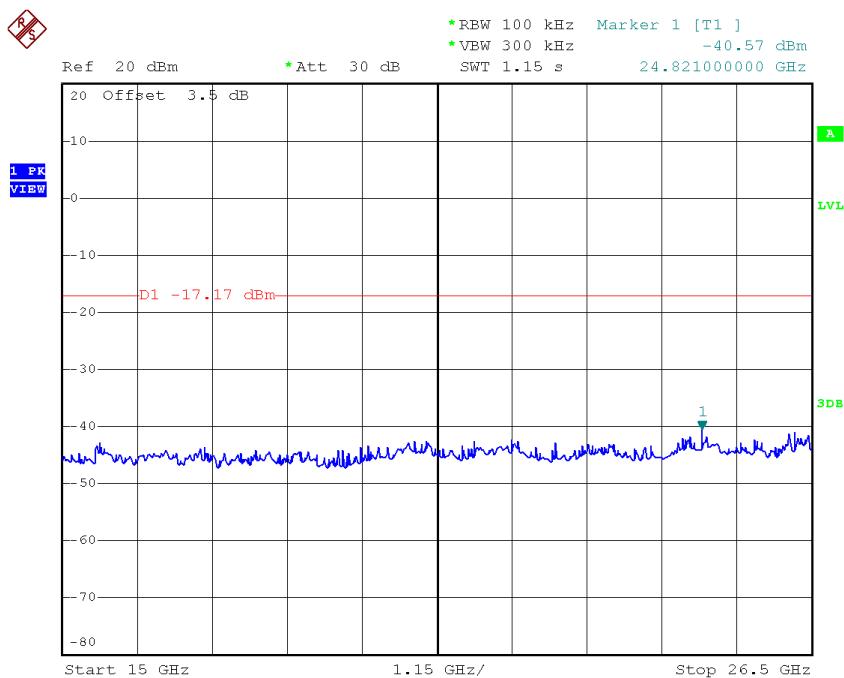
TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:35:24

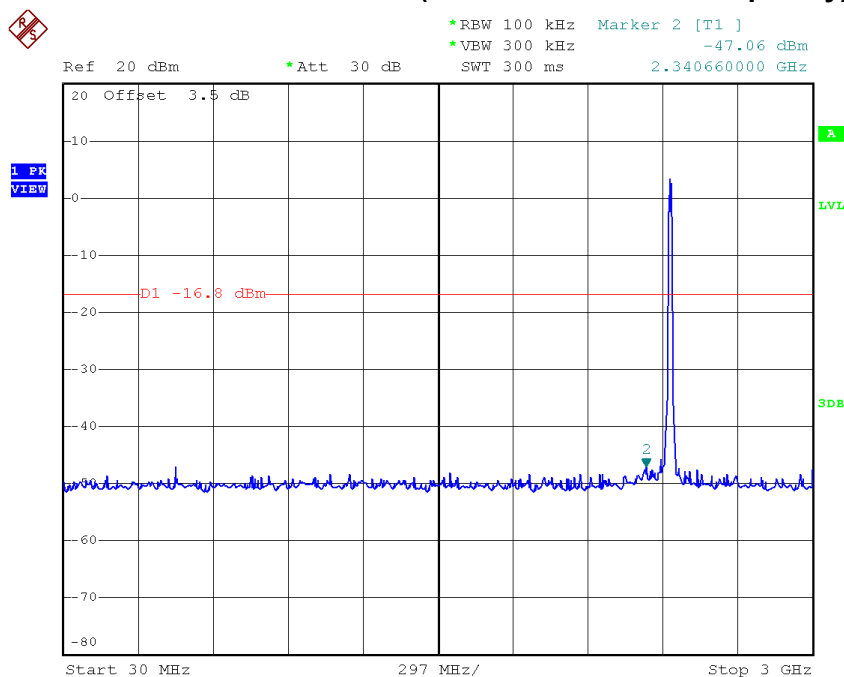


Date: 25.DEC.2016 13:35:33

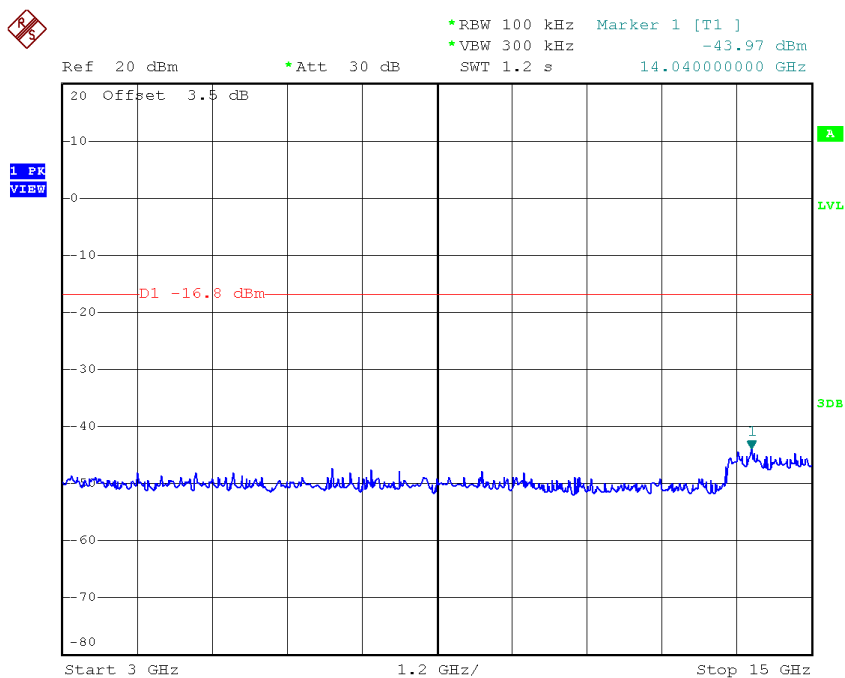


Date: 25.DEC.2016 13:35:41

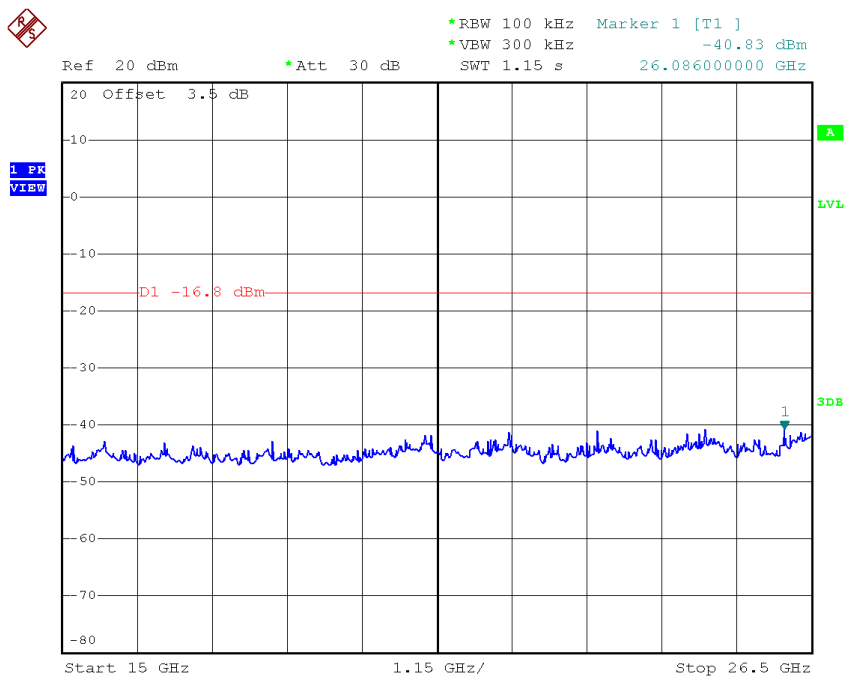
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:44:49

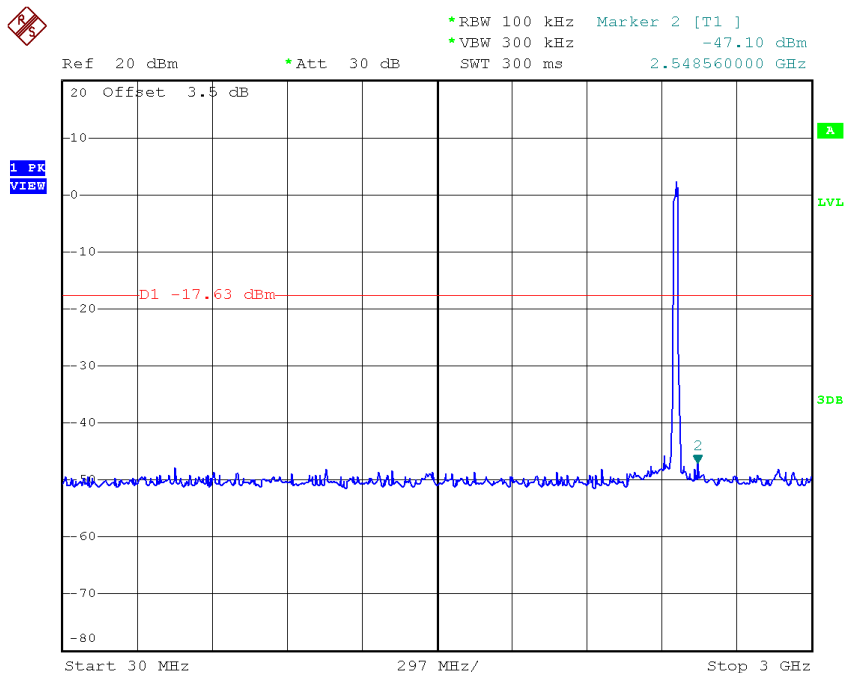


Date: 25.DEC.2016 13:44:57

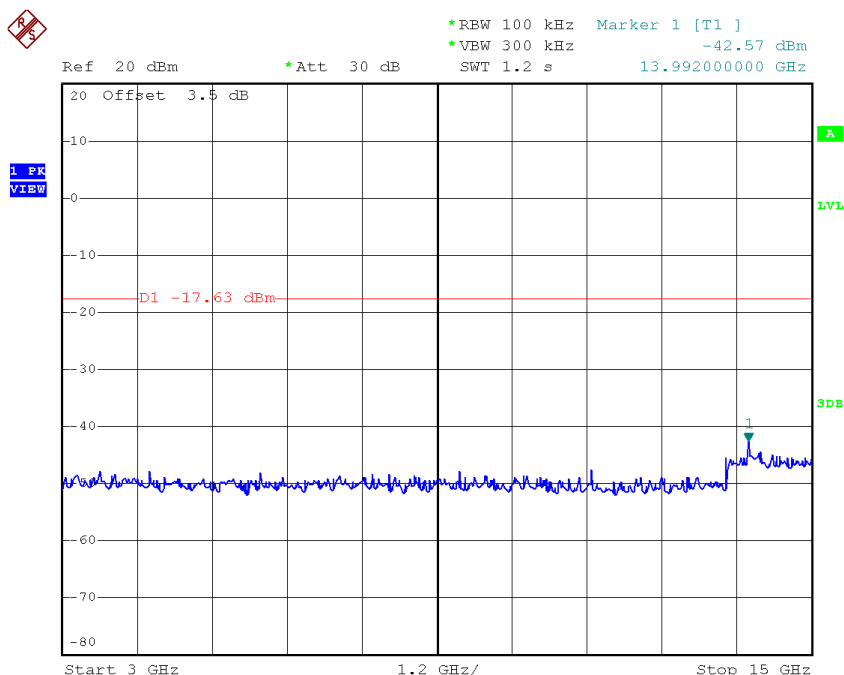


Date: 25.DEC.2016 13:45:05

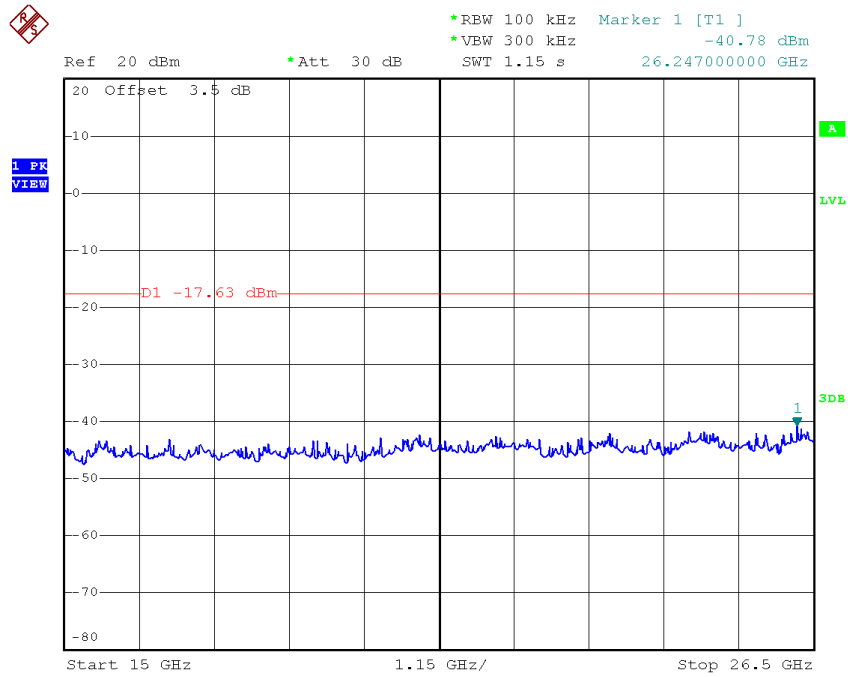
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:46:04



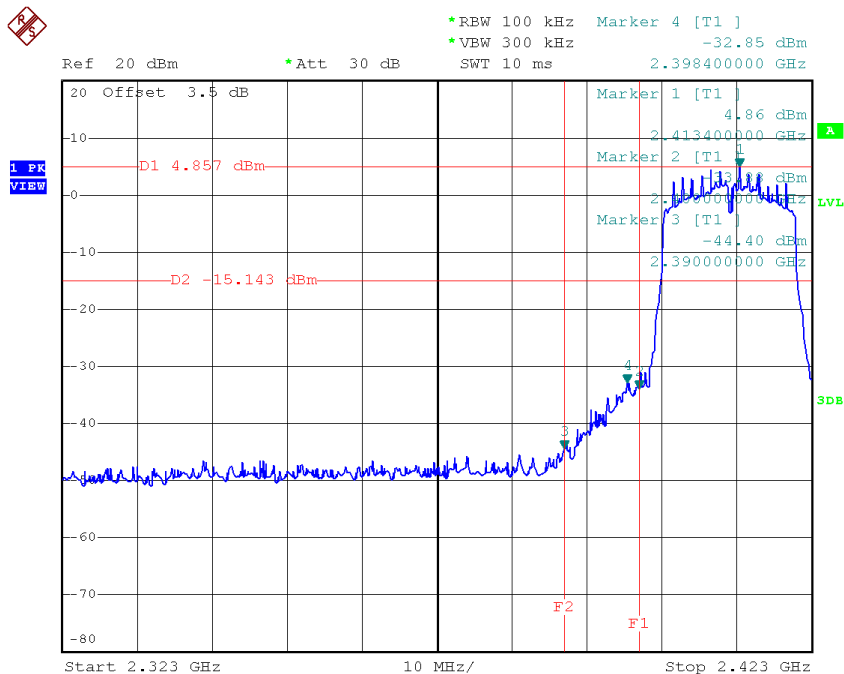
Date: 25.DEC.2016 13:46:12



Date: 25.DEC.2016 13:46:20

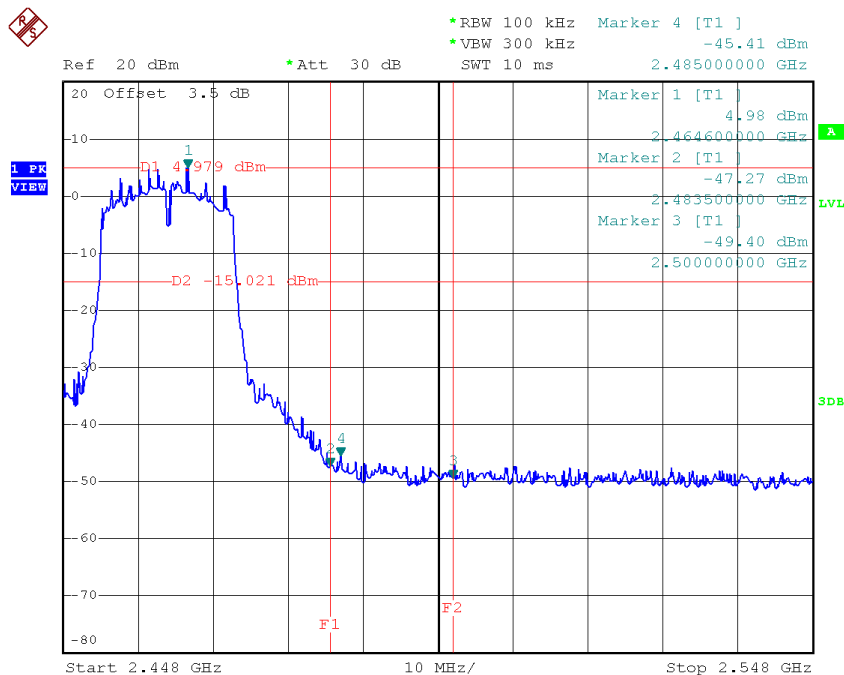
Test Mode : TX N-20M Mode_ANT 2

TX HT20 mode CH01



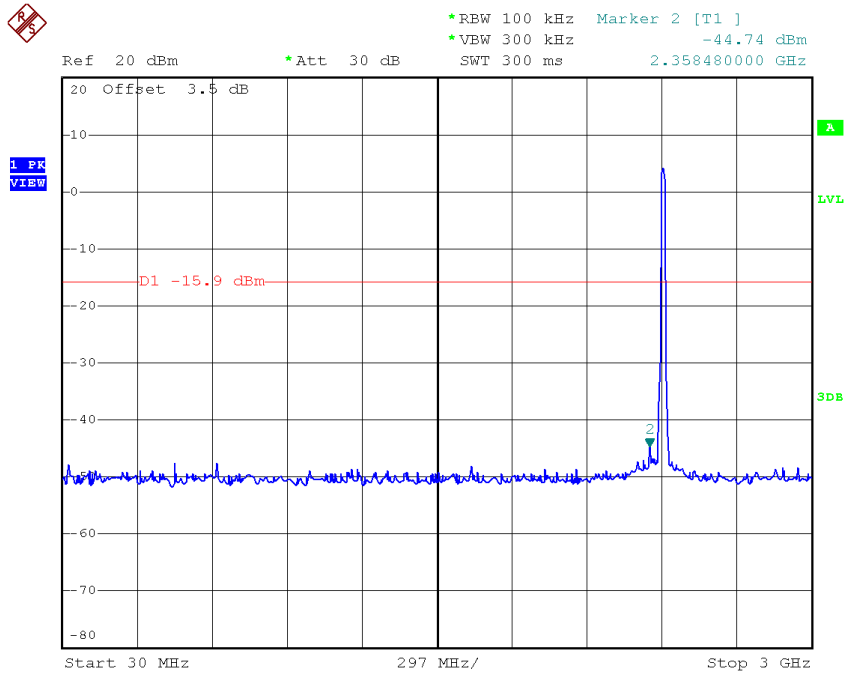
Date: 10.JAN.2017 10:26:09

TX HT20 mode CH11

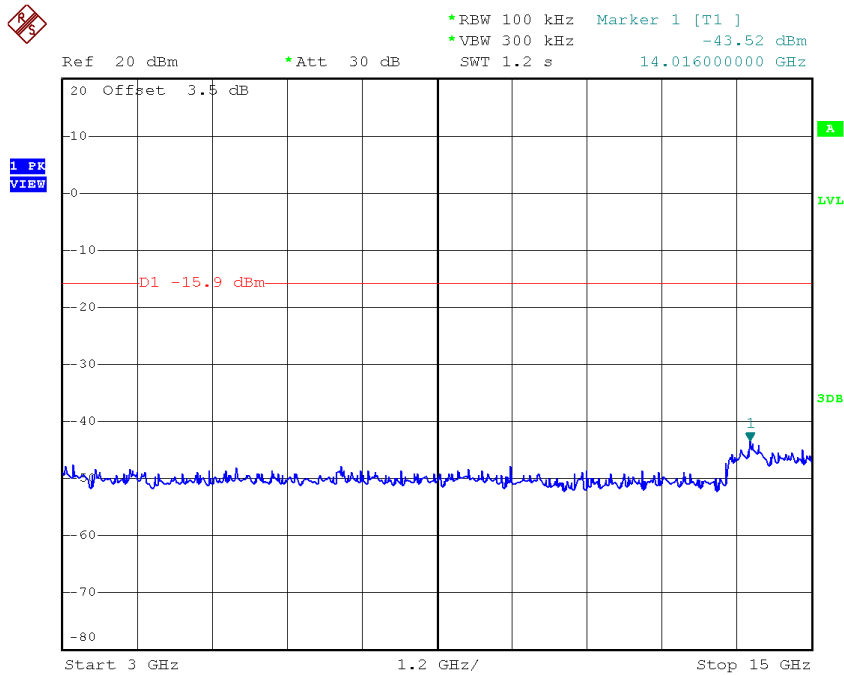


Date: 10.JAN.2017 10:29:16

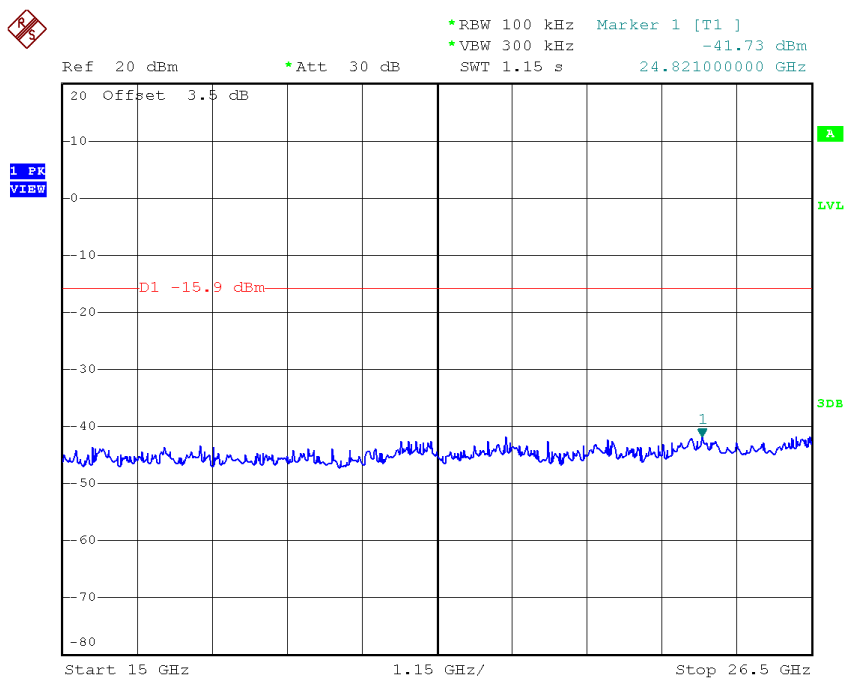
TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:25:44

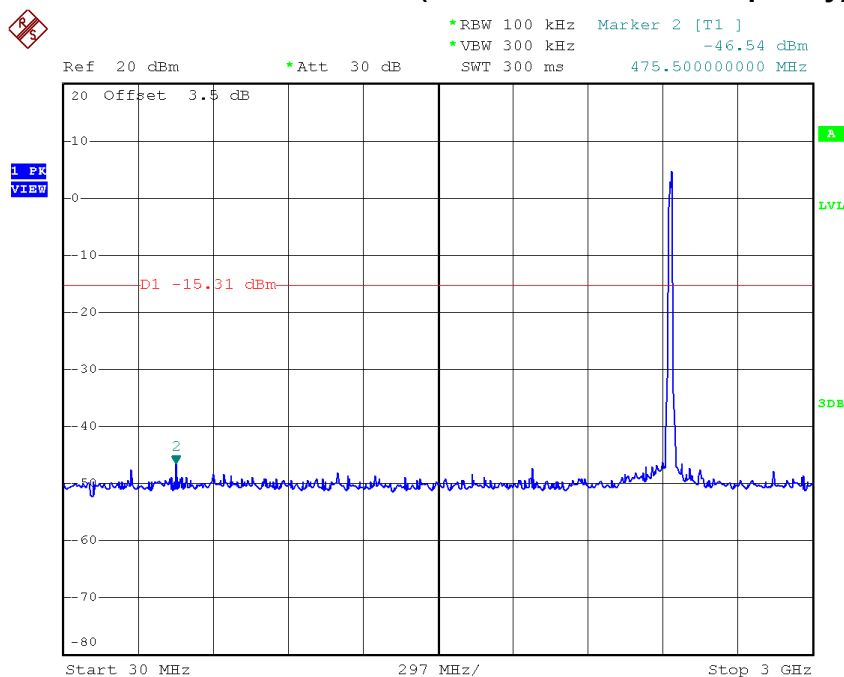


Date: 10.JAN.2017 10:25:53

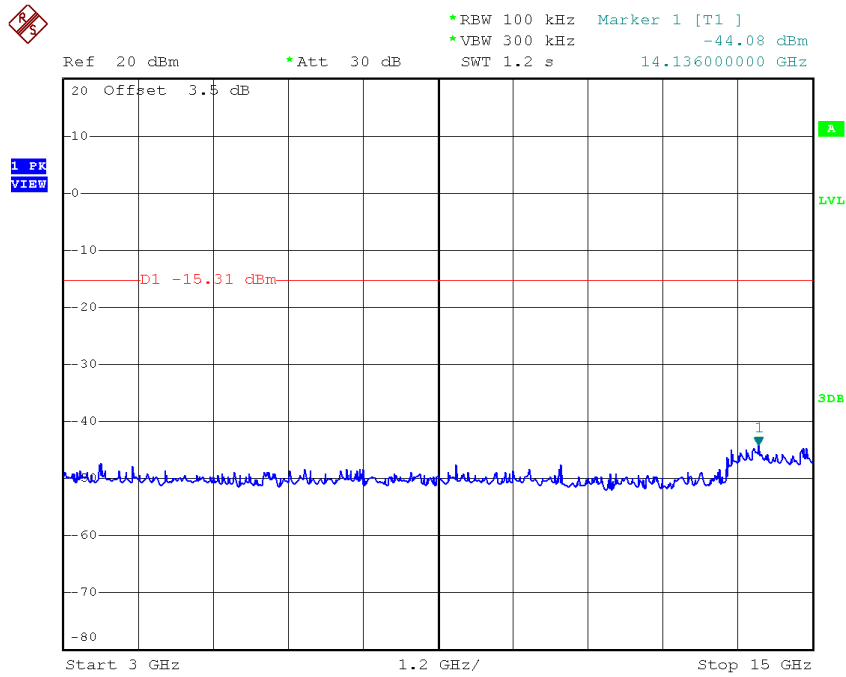


Date: 10.JAN.2017 10:26:01

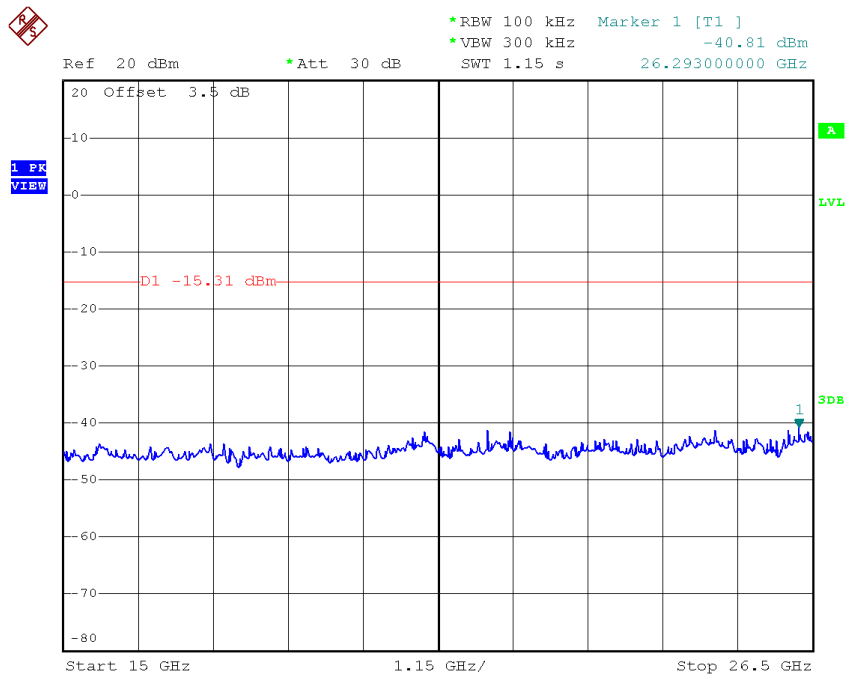
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:27:15

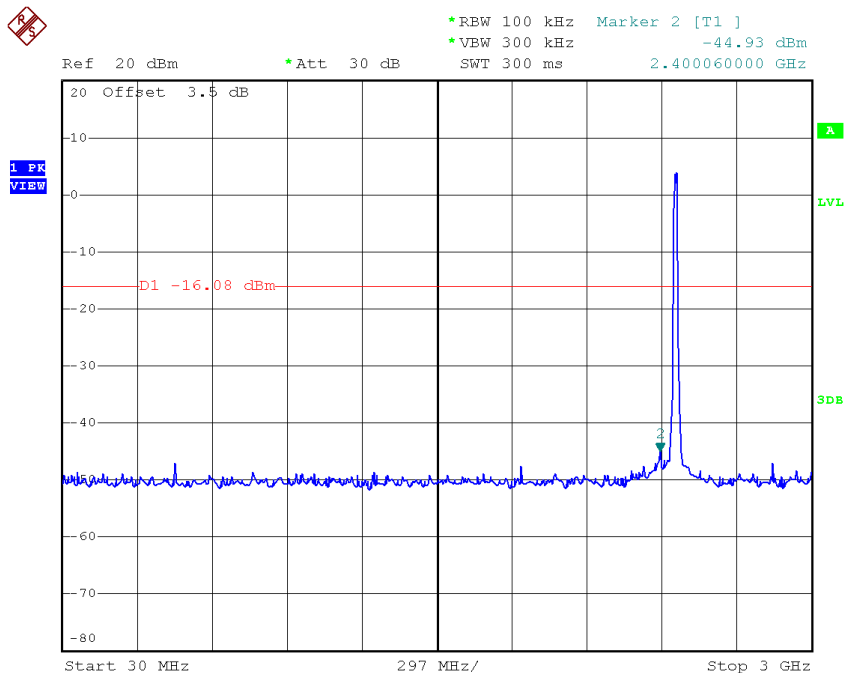


Date: 10.JAN.2017 10:27:24

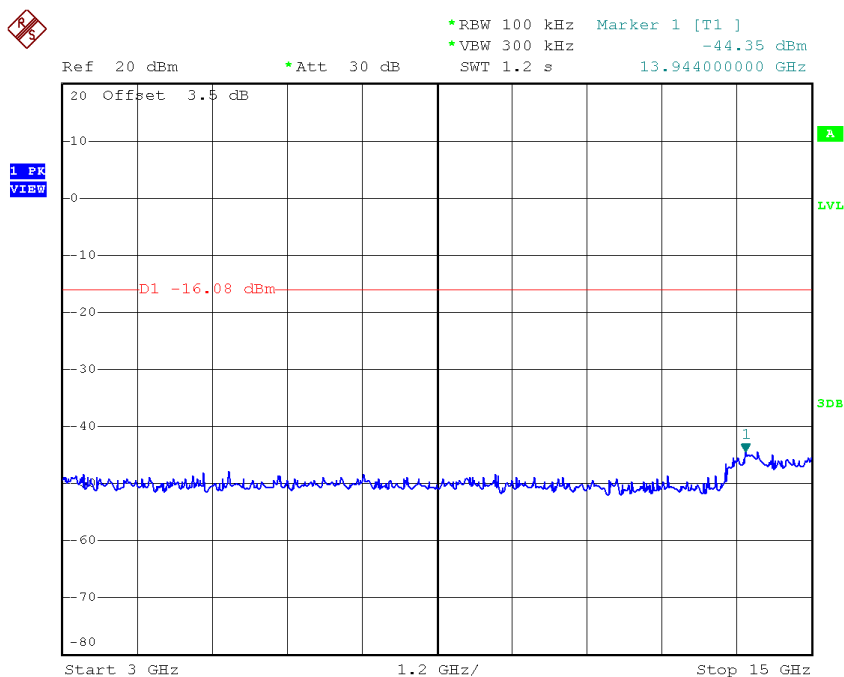


Date: 10.JAN.2017 10:27:32

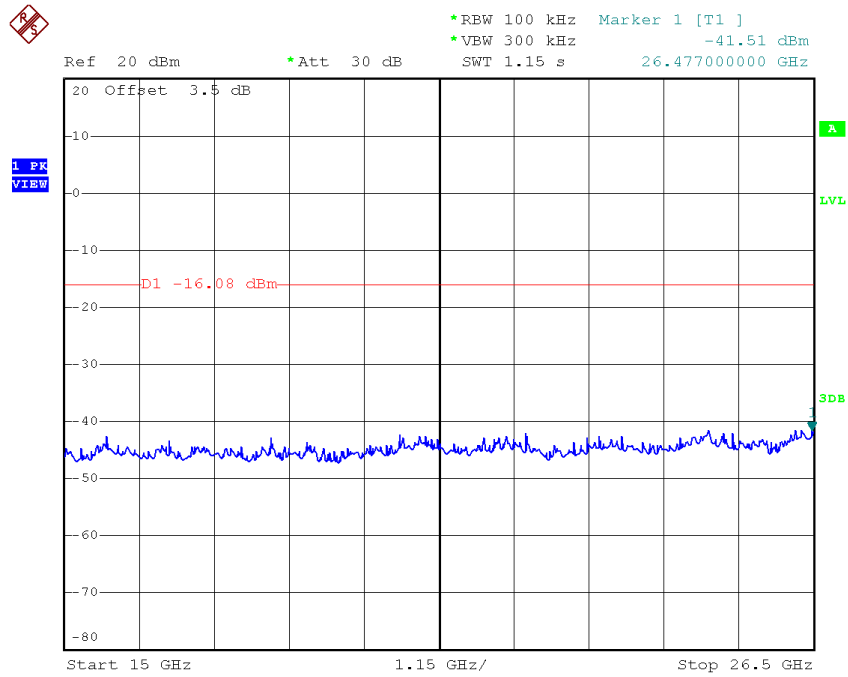
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:28:51



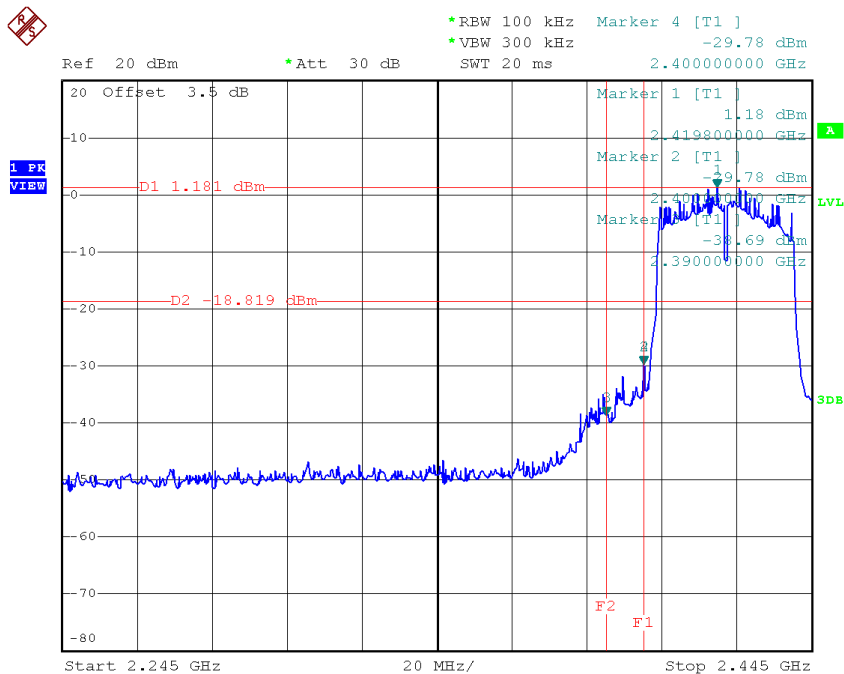
Date: 10.JAN.2017 10:29:00



Date: 10.JAN.2017 10:29:08

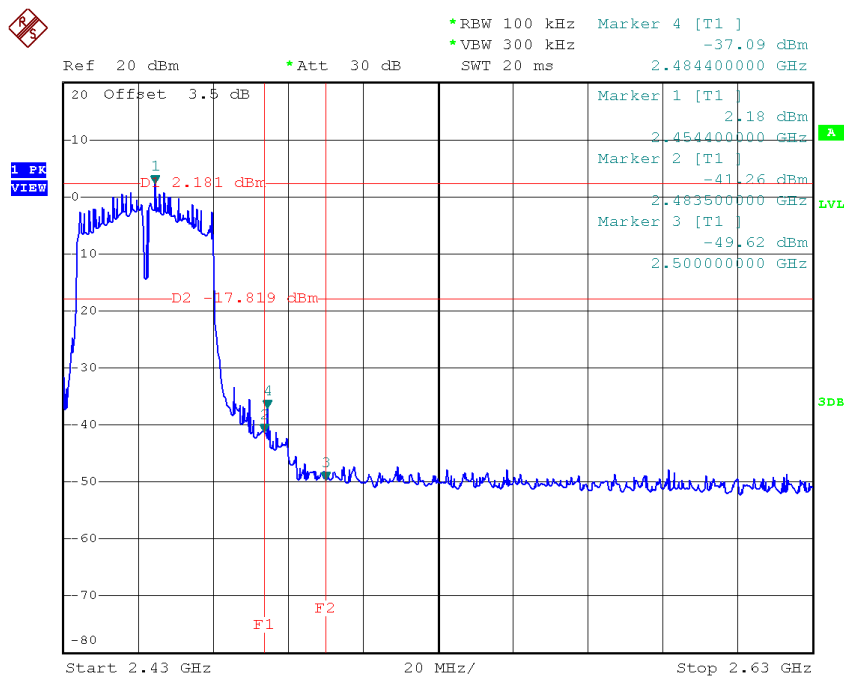
Test Mode : TX N-40M Mode_ANT 1

TX HT40 mode CH03



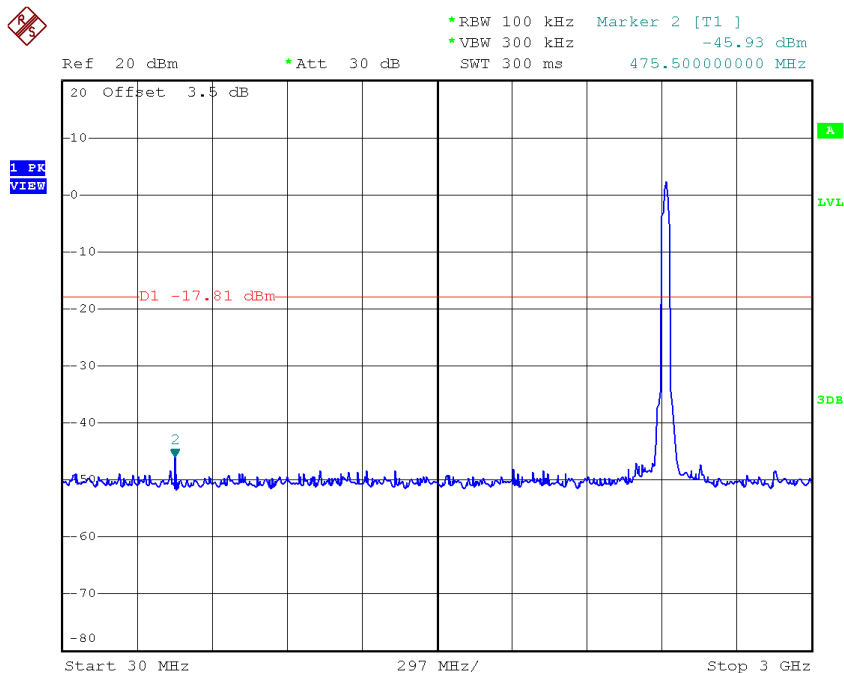
Date: 25.DEC.2016 13:48:27

TX HT40 mode CH09

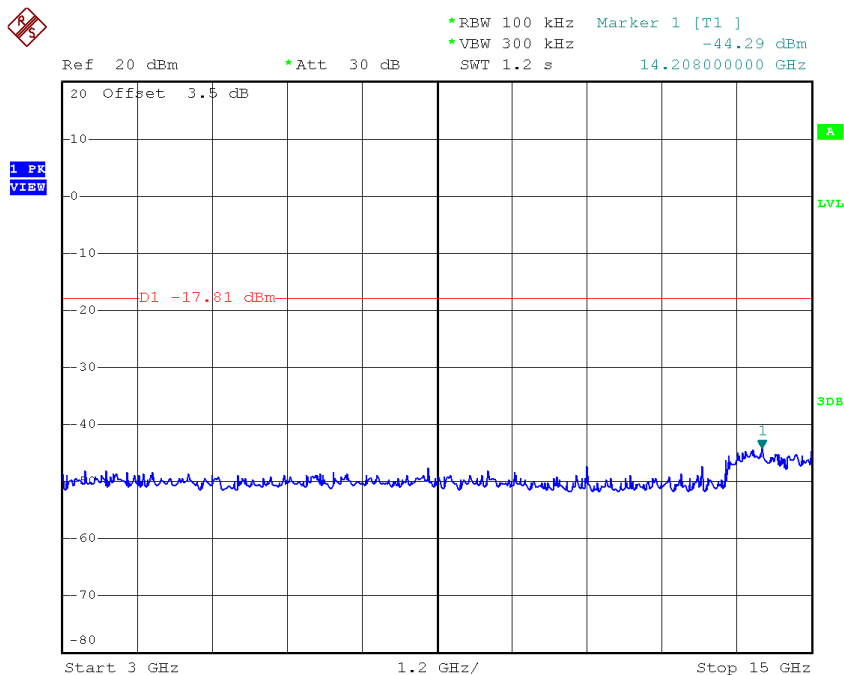


Date: 25.DEC.2016 13:51:13

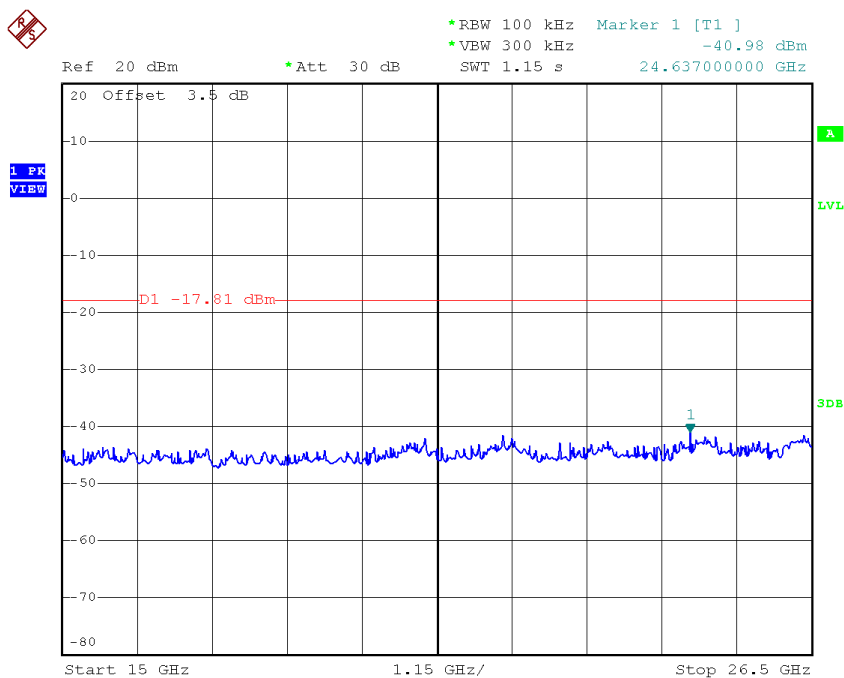
TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:48:01

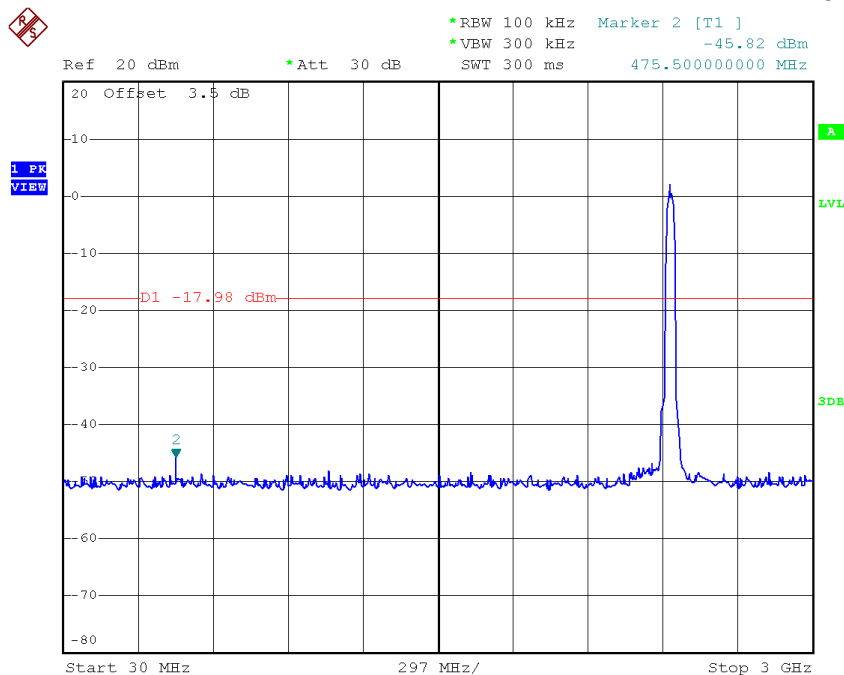


Date: 25.DEC.2016 13:48:10

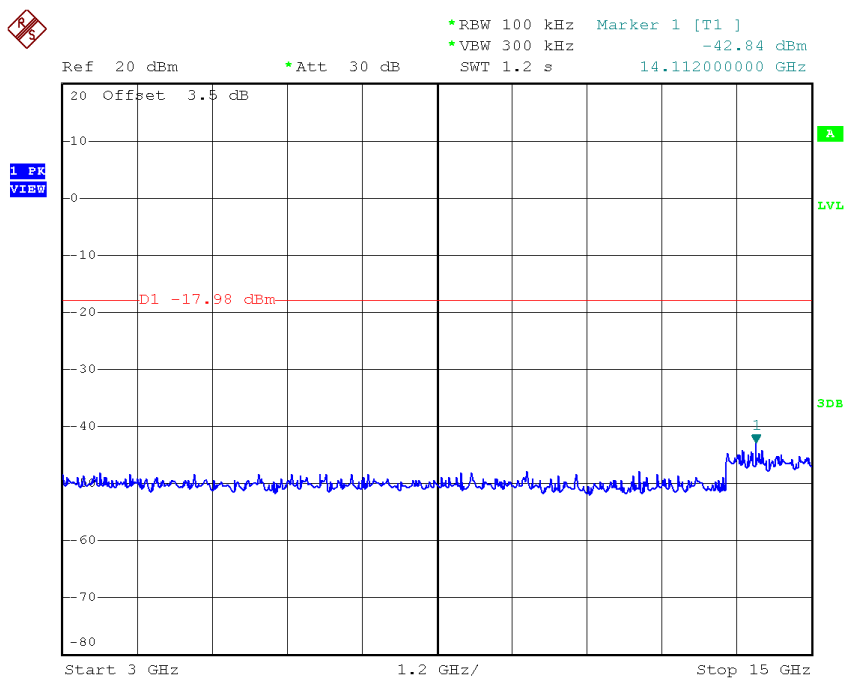


Date: 25.DEC.2016 13:48:19

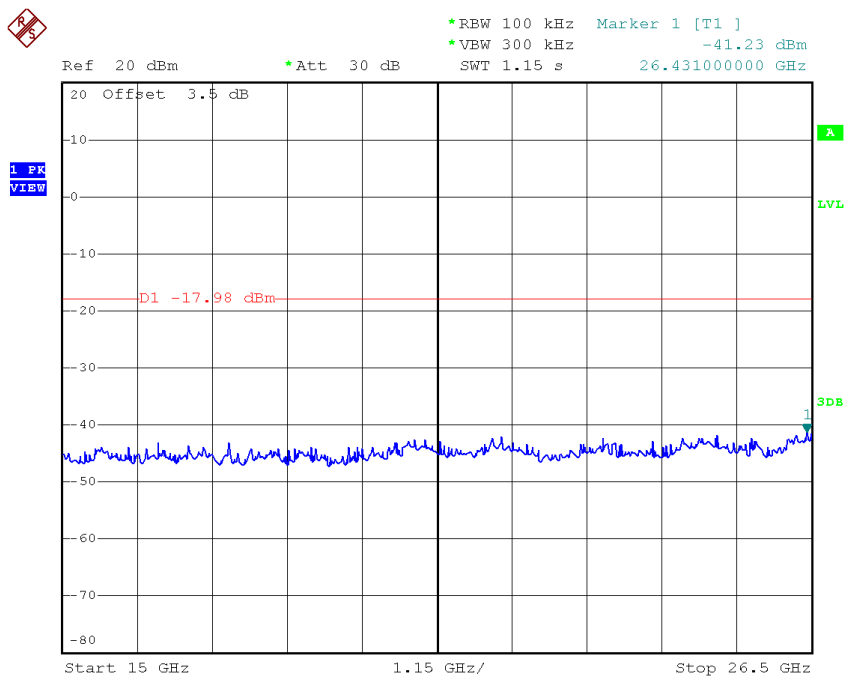
TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:49:29

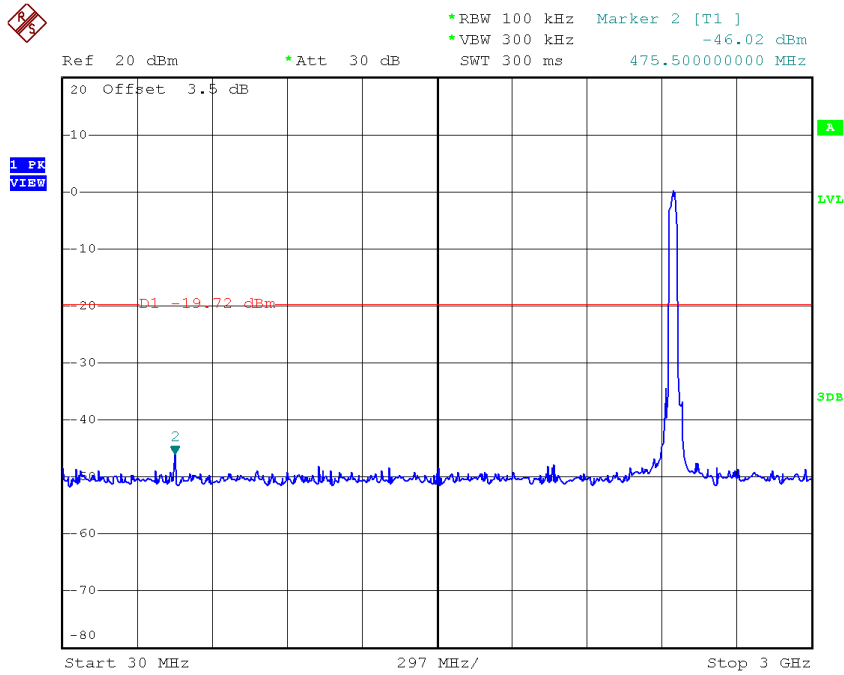


Date: 25.DEC.2016 13:49:37

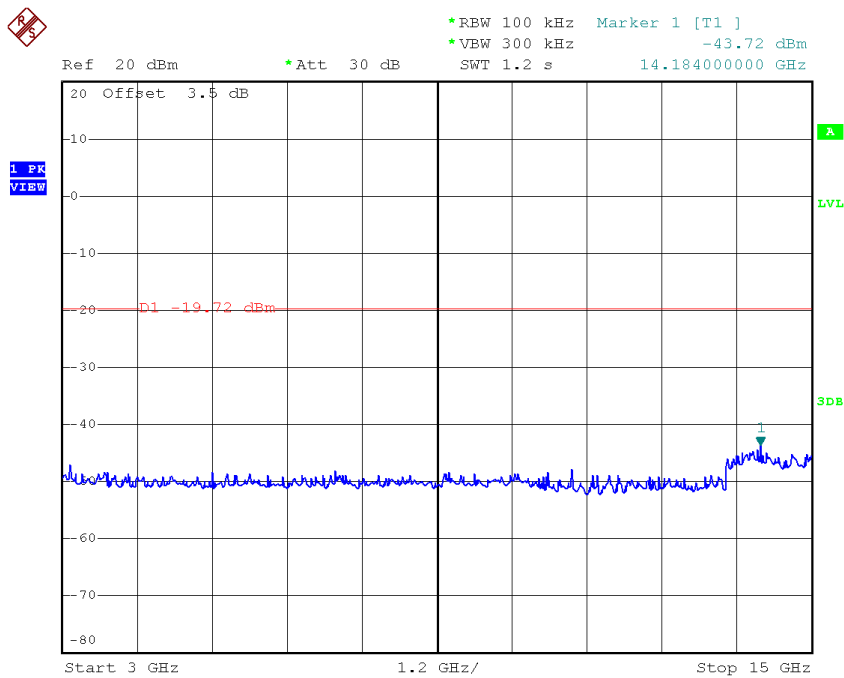


Date: 25.DEC.2016 13:49:46

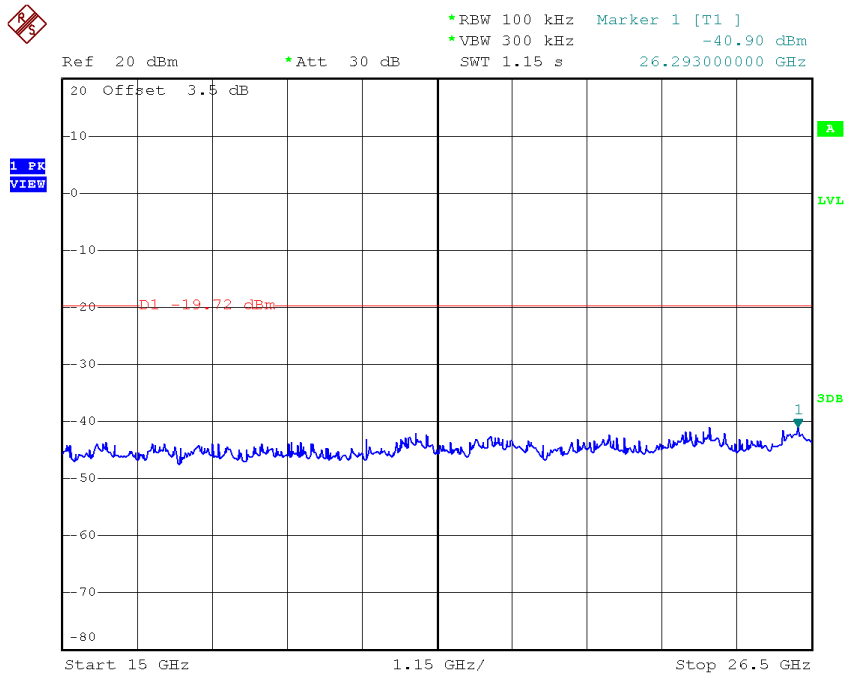
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 25.DEC.2016 13:50:49



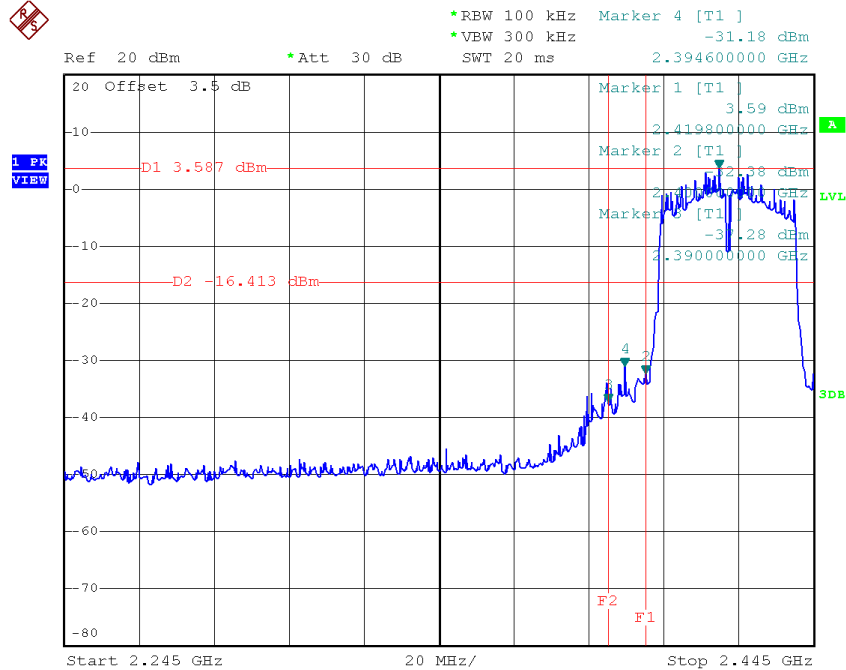
Date: 25.DEC.2016 13:50:57



Date: 25.DEC.2016 13:51:06

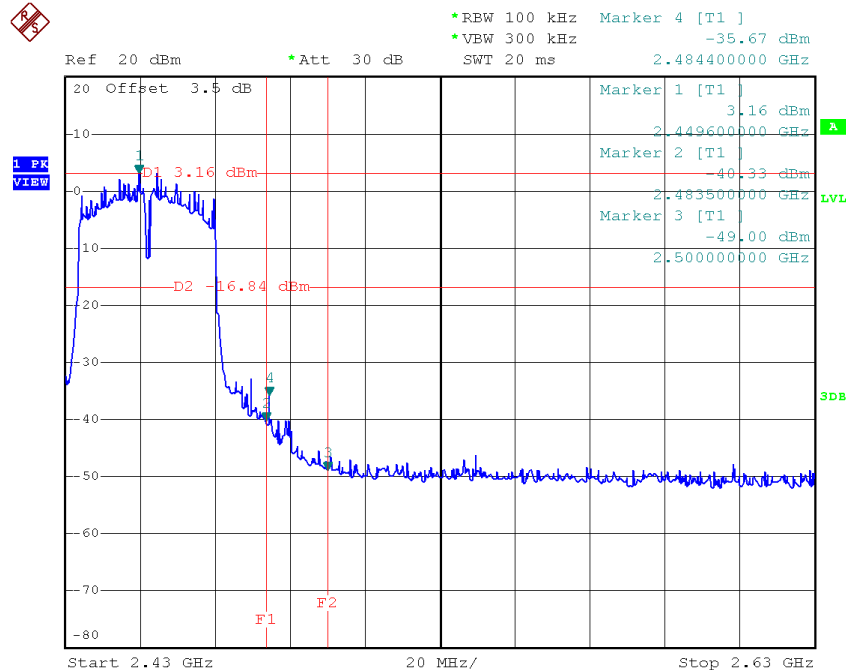
Test Mode : TX N-40M Mode_ANT 2

TX HT40 mode CH03



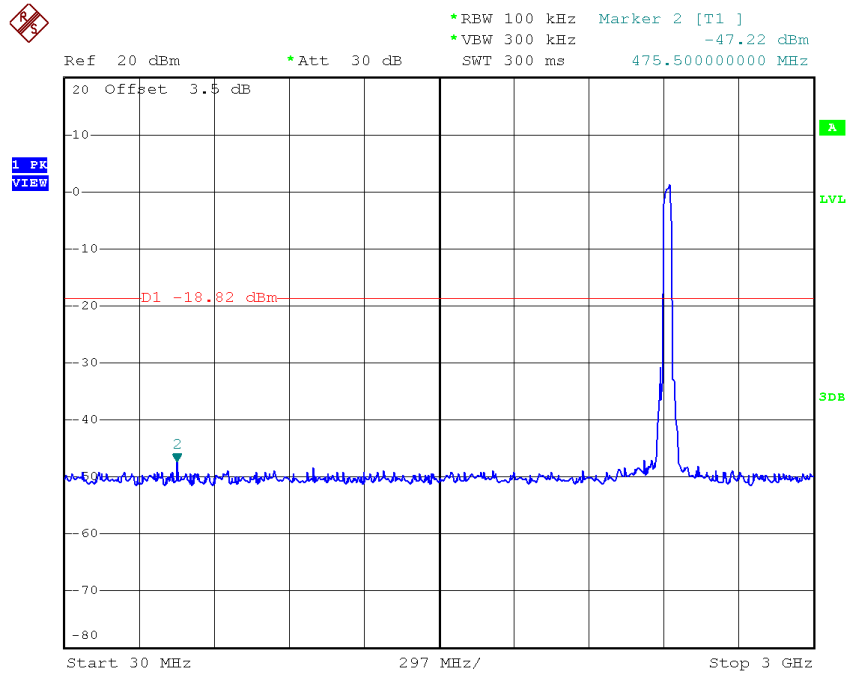
Date: 10.JAN.2017 10:31:09

TX HT40 mode CH09

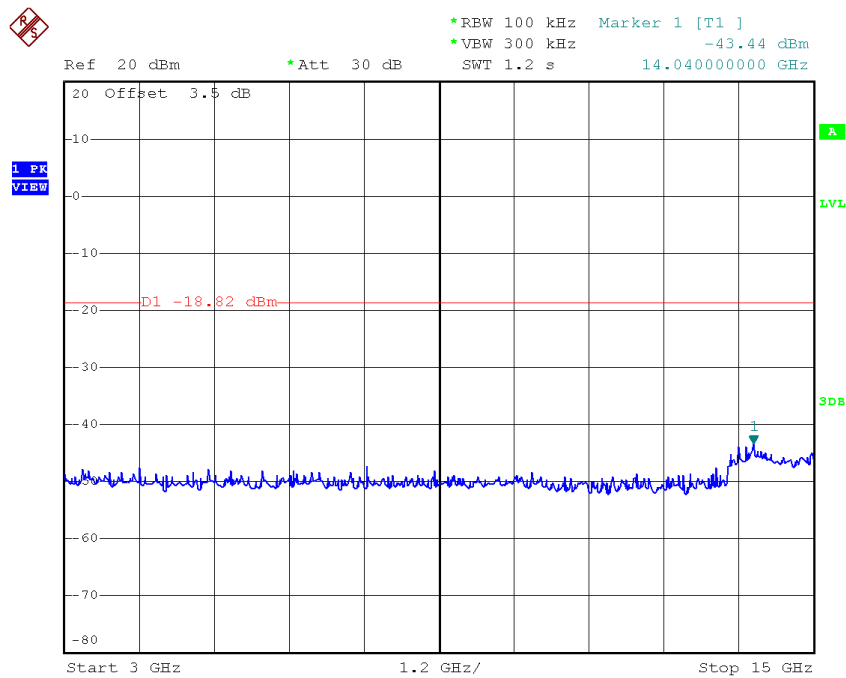


Date: 10.JAN.2017 10:33:32

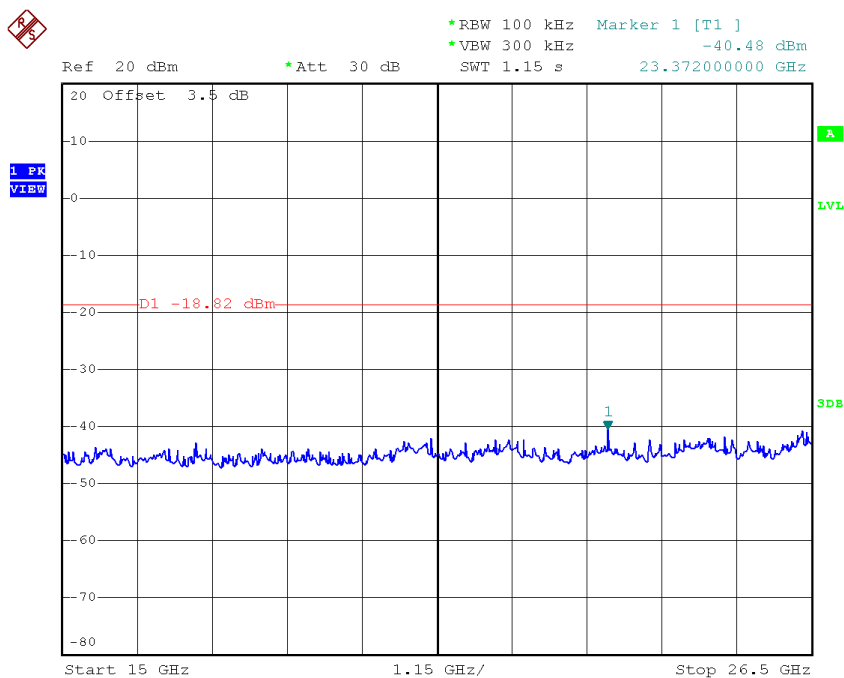
TX HT40 mode CH03 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:30:45

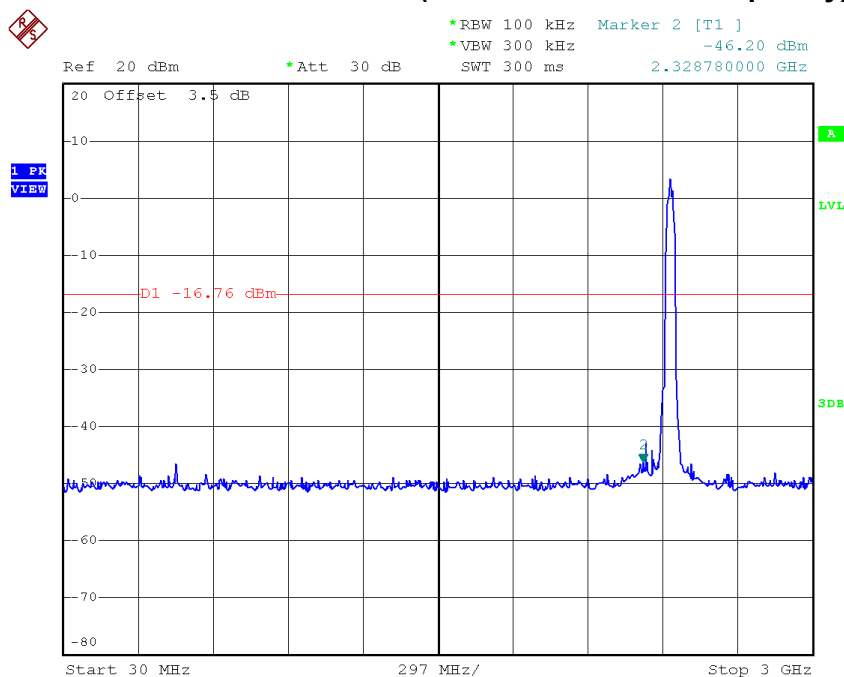


Date: 10.JAN.2017 10:30:53

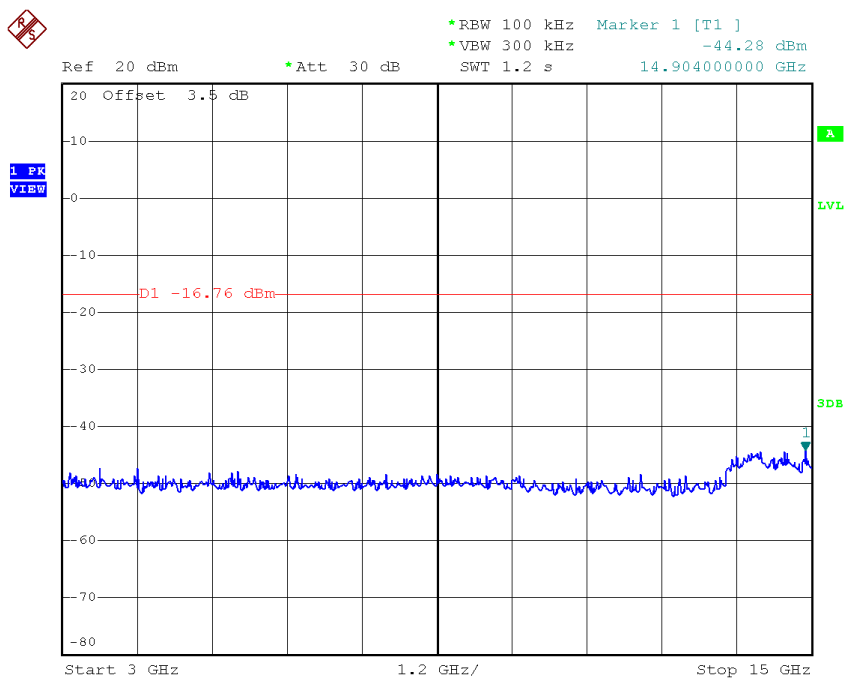


Date: 10.JAN.2017 10:31:01

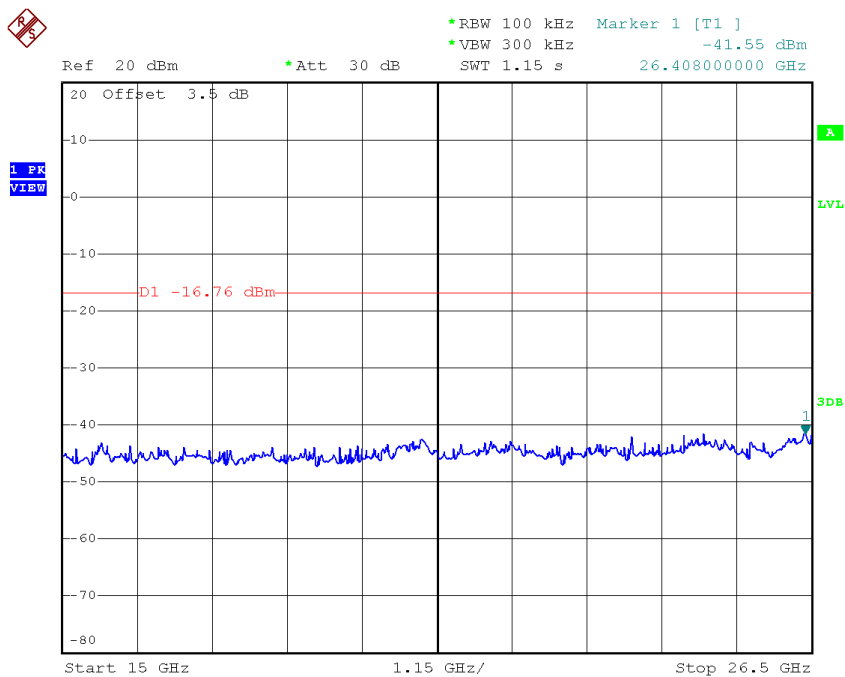
TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:31:59

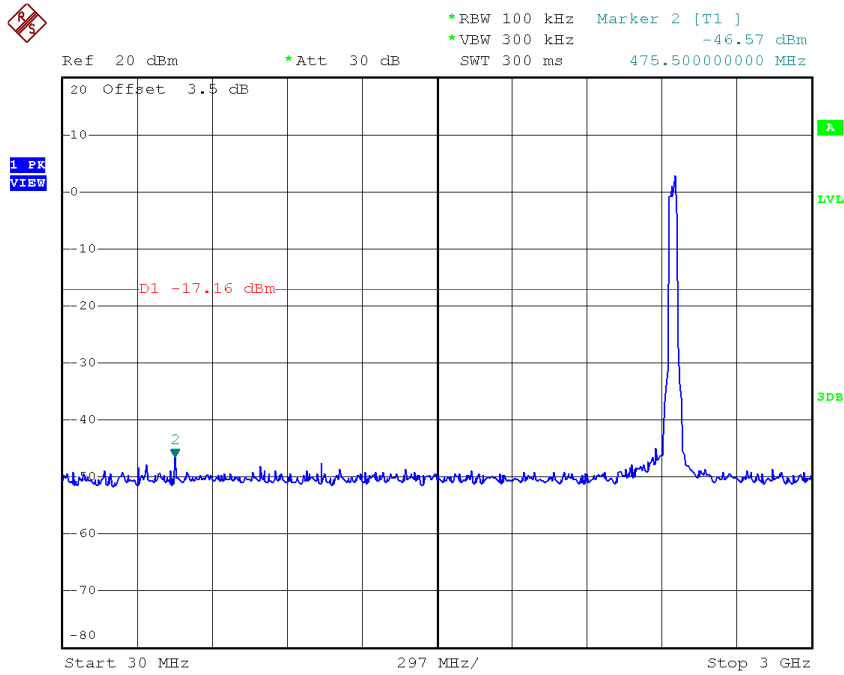


Date: 10.JAN.2017 10:32:07

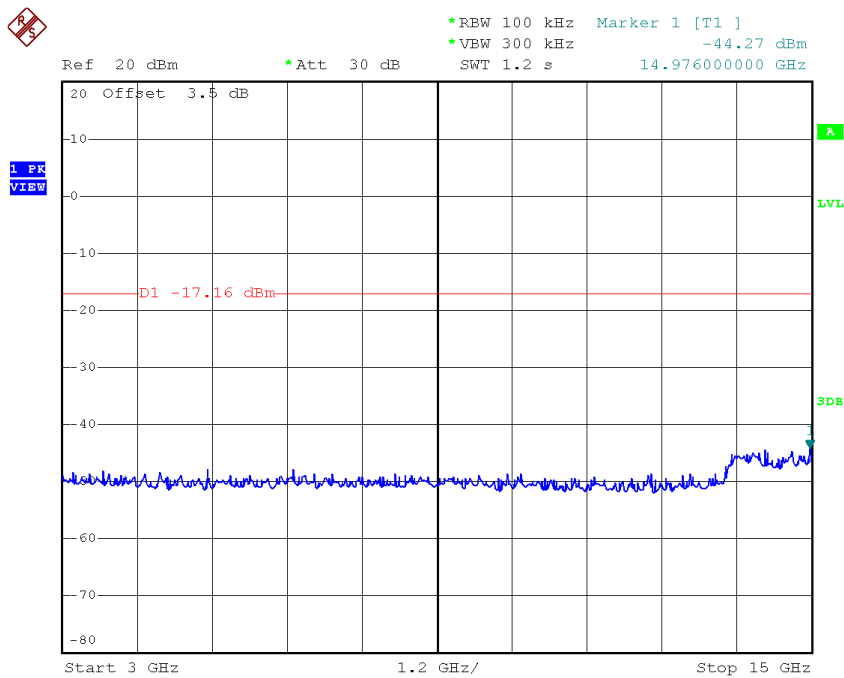


Date: 10.JAN.2017 10:32:15

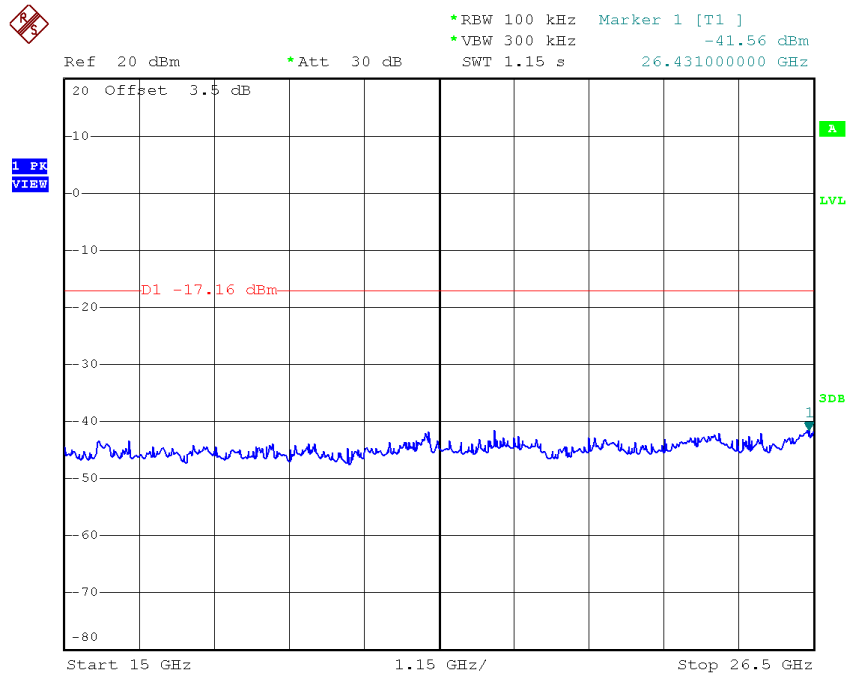
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 10.JAN.2017 10:33:08



Date: 10.JAN.2017 10:33:16



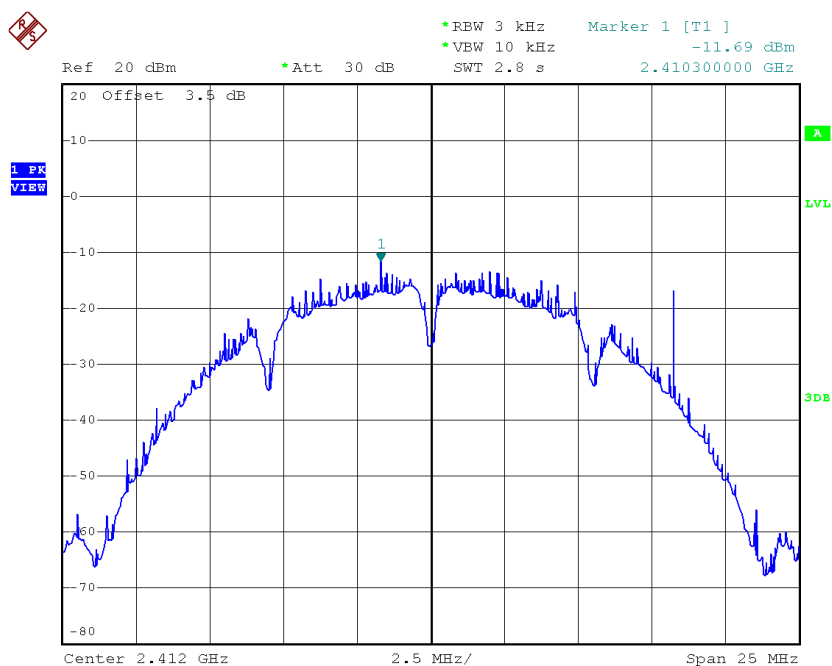
Date: 10.JAN.2017 10:33:24

APPENDIX H - POWER SPECTRAL DENSITY

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

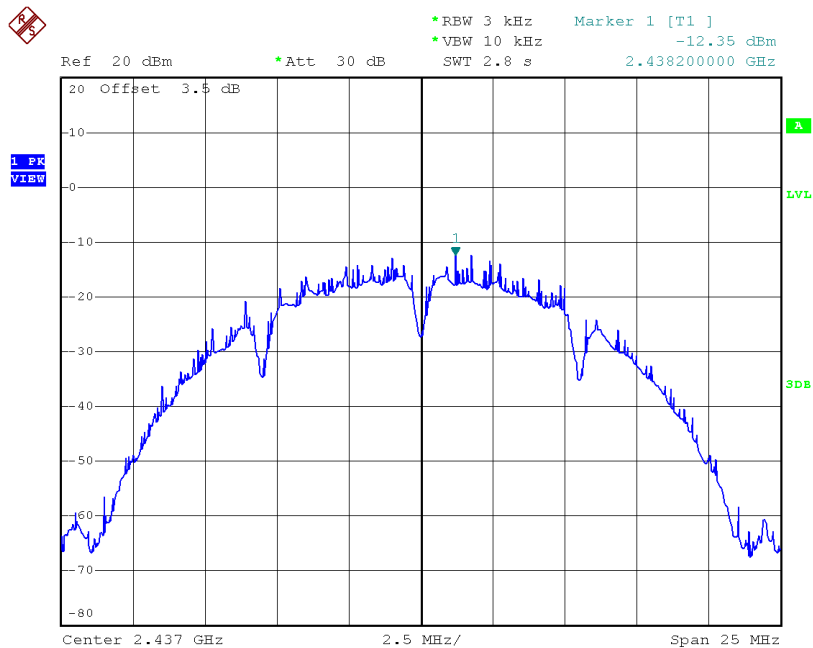
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.69	0.0678	8.00	Complies
2437	-12.35	0.0582	8.00	Complies
2462	-12.40	0.0575	8.00	Complies

TX CH01



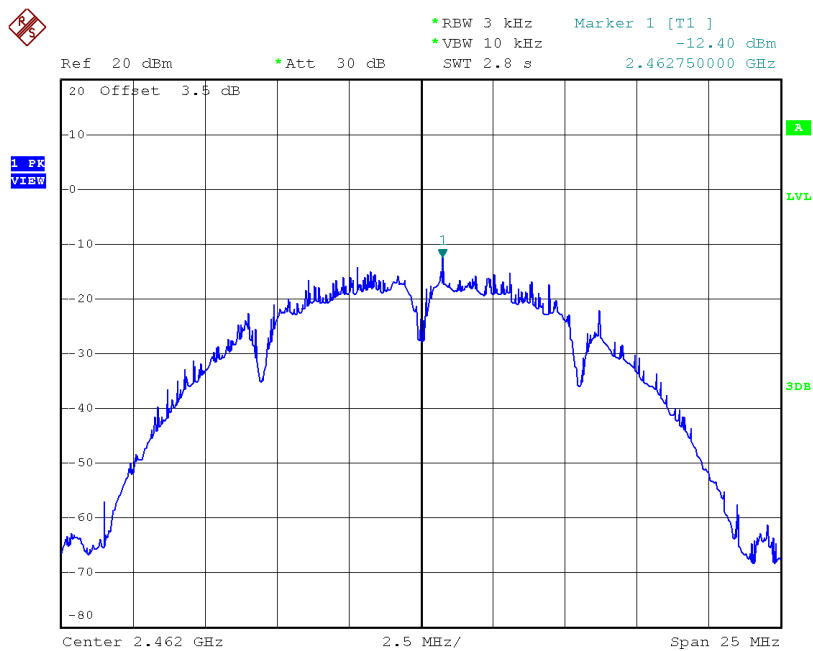
Date: 25.DEC.2016 13:14:11

TX CH06



Date: 25.DEC.2016 13:16:05

TX CH11

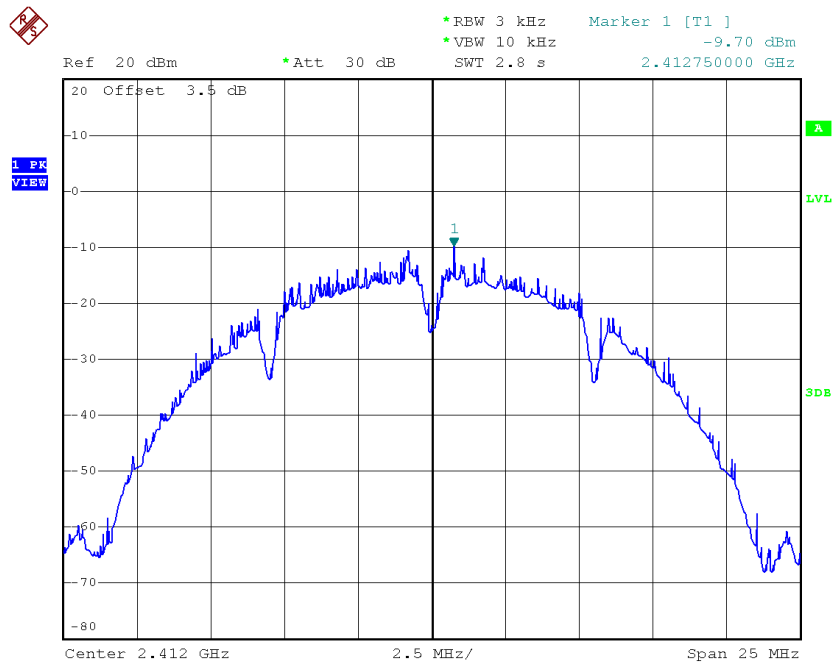


Date: 25.DEC.2016 13:24:20

Test Mode :TX B Mode_CH01/06/11_ANT 2

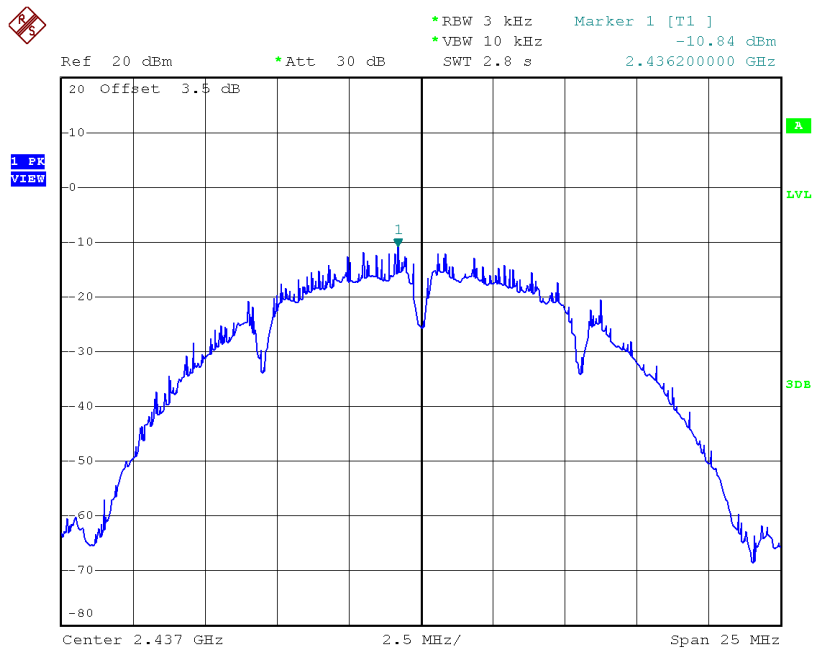
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.70	0.0678	8.00	Complies
2437	-10.84	0.0582	8.00	Complies
2462	-11.61	0.0575	8.00	Complies

TX CH01



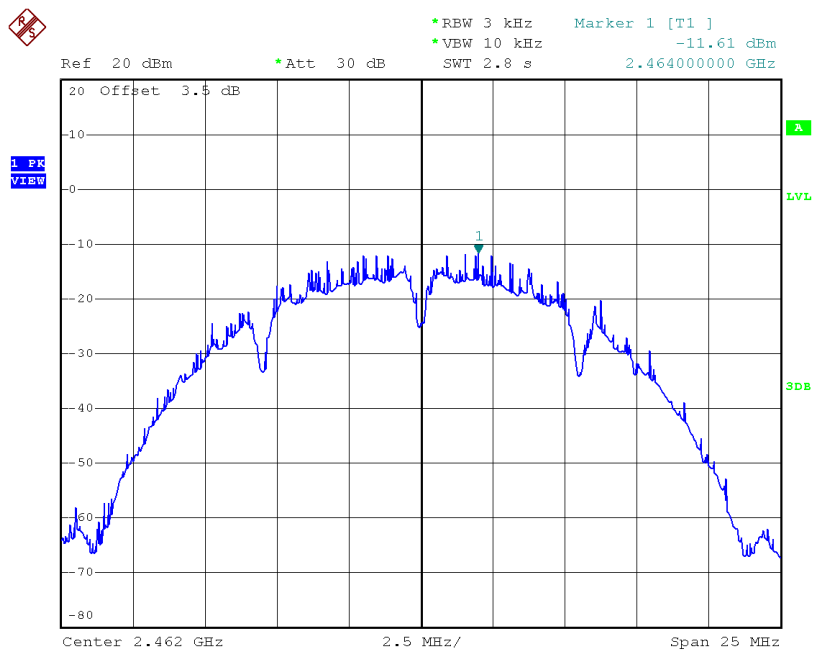
Date: 10.JAN.2017 10:13:41

TX CH06



Date: 10.JAN.2017 10:15:17

TX CH11



Date: 10.JAN.2017 10:18:00

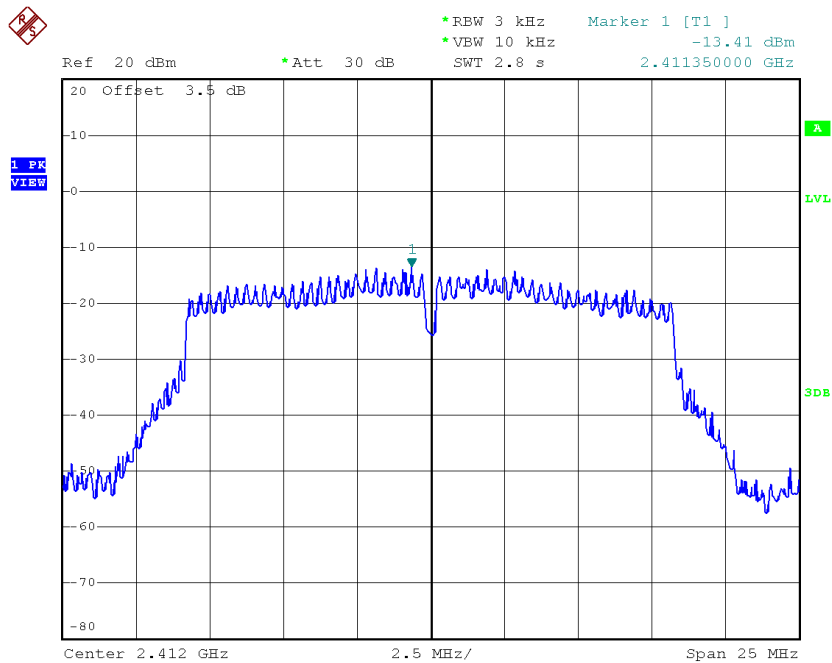
Test Mode :TX B Mode_CH01/06/11_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-8.68	0.1355	8.00	Complies
2437	-9.34	0.1164	8.00	Complies
2462	-9.39	0.1151	8.00	Complies

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

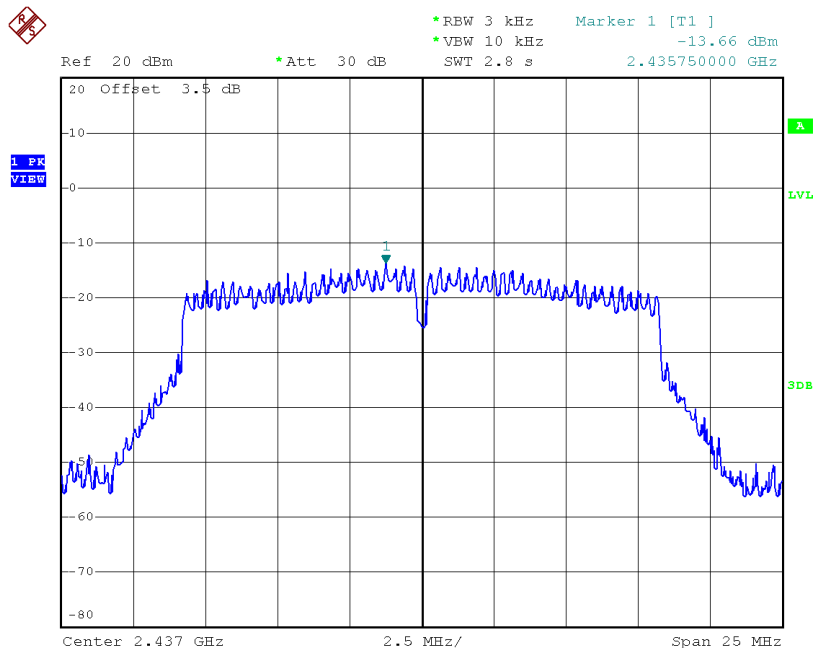
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-13.41	0.0456	8.00	Complies
2437	-13.66	0.0431	8.00	Complies
2462	-13.33	0.0465	8.00	Complies

TX CH01



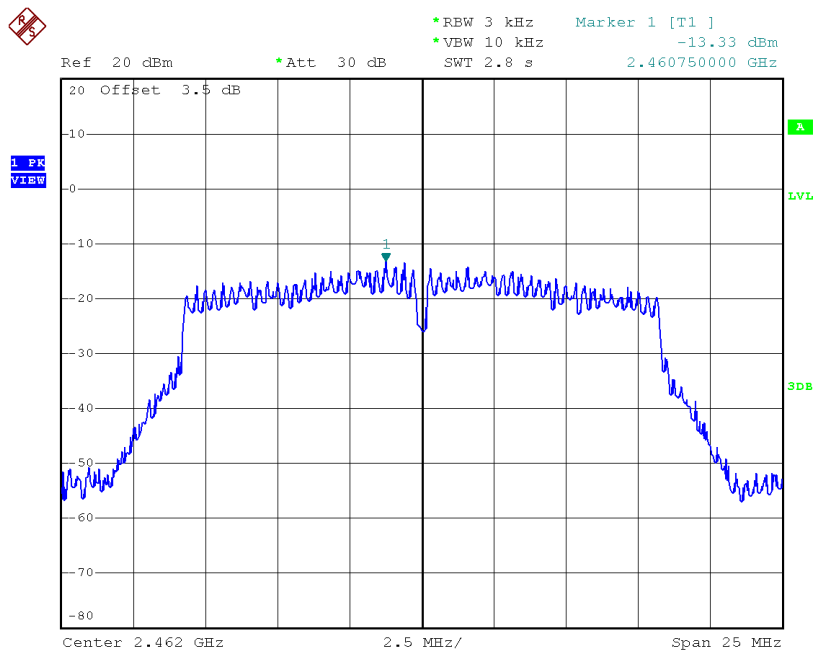
Date: 25.DEC.2016 13:28:52

TX CH06



Date: 25.DEC.2016 13:32:49

TX CH11

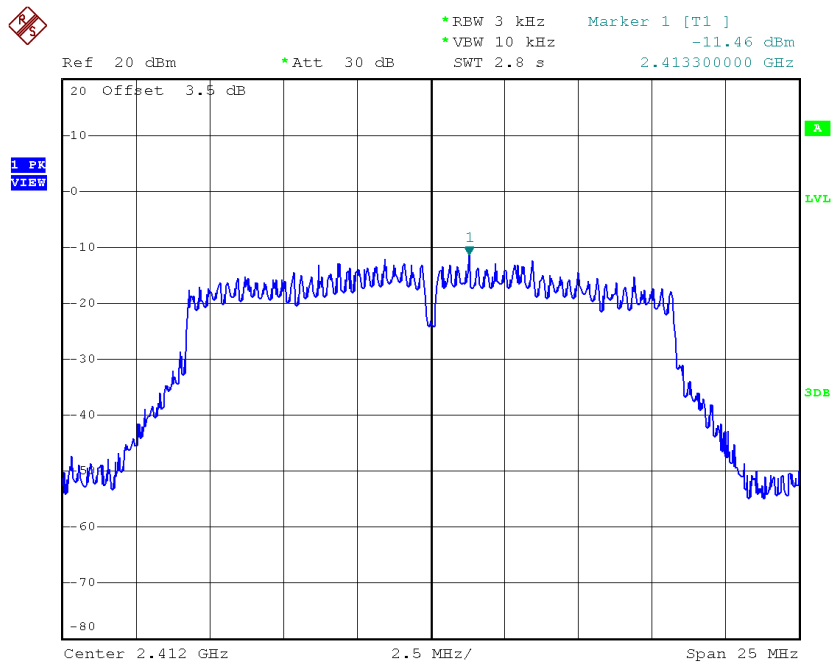


Date: 25.DEC.2016 13:34:26

Test Mode :TX G Mode_CH01/06/11_ANT 2

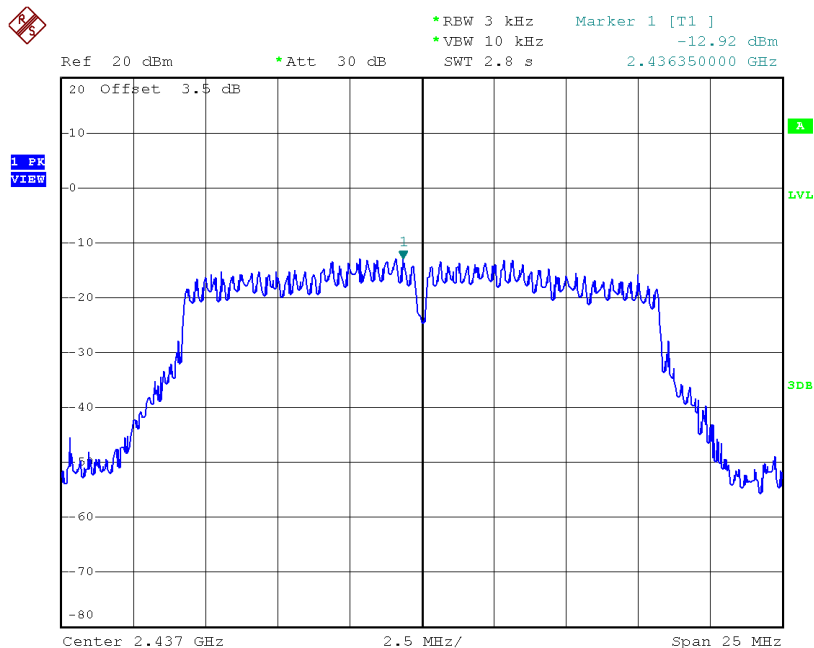
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.46	0.0714	8.00	Complies
2437	-12.92	0.0511	8.00	Complies
2462	-12.25	0.0596	8.00	Complies

TX CH01



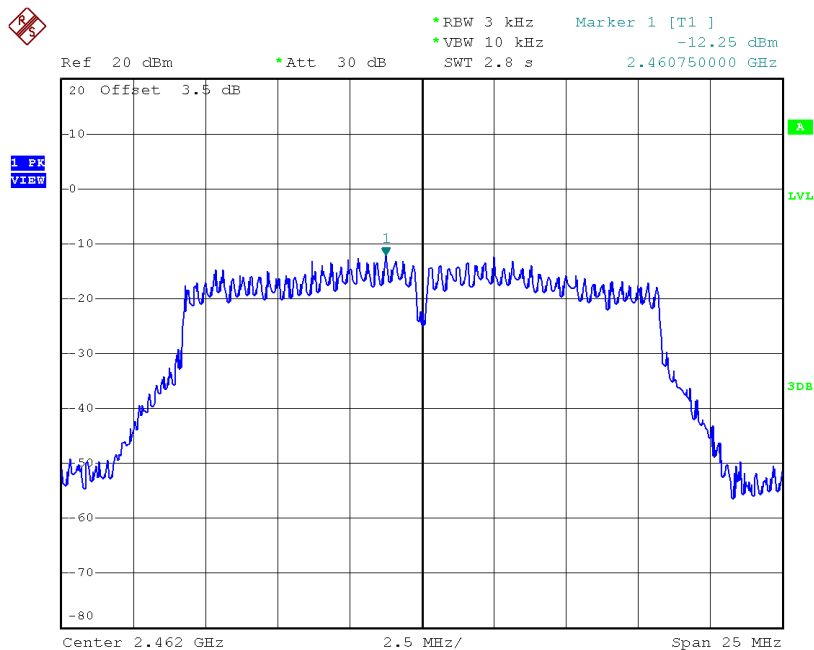
Date: 10.JAN.2017 10:20:10

TX CH06



Date: 10.JAN.2017 10:22:04

TX CH11



Date: 10.JAN.2017 10:23:52

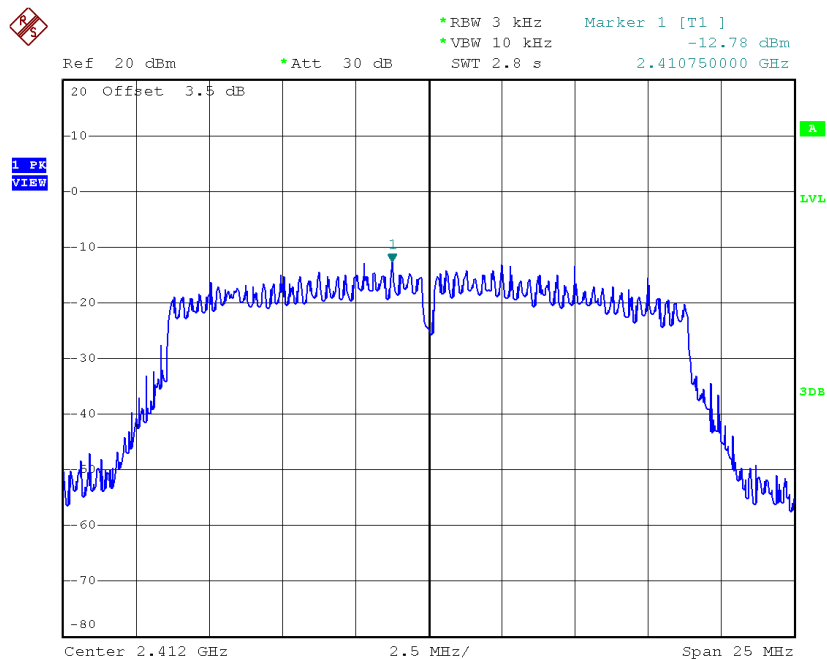
Test Mode :TX G Mode_CH01/06/11_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.32	0.1171	8.00	Complies
2437	-10.26	0.0941	8.00	Complies
2462	-9.75	0.1060	8.00	Complies

Test Mode : TX N-20M Mode_CH01/06/11_ANT 1

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.78	0.0527	8.00	Complies
2437	-12.56	0.0555	8.00	Complies
2462	-13.24	0.0474	8.00	Complies

TX CH01



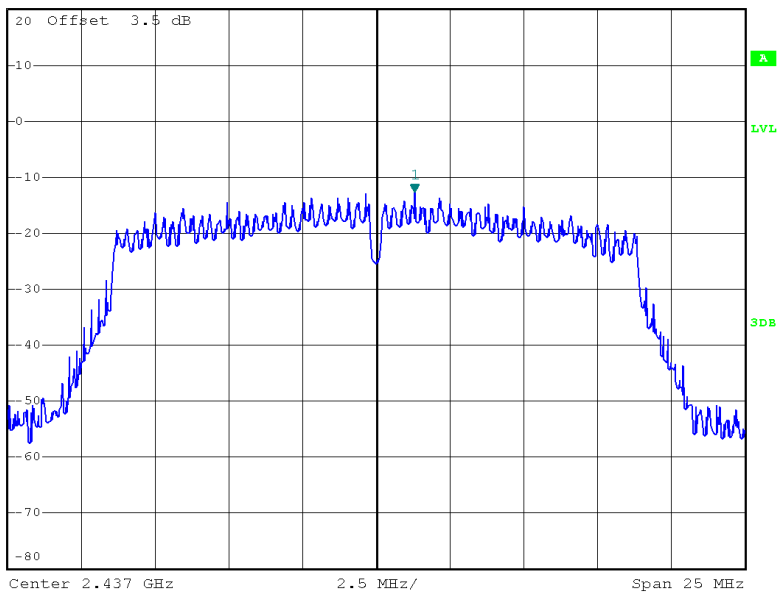
Date: 25.DEC.2016 13:35:58

TX CH06



1 PK
VIEW

Ref 20 dBm *Att 30 dB SWT 2.8 s
*RBW 3 kHz Marker 1 [T1] -12.56 dBm
*VBW 10 kHz 2.438300000 GHz



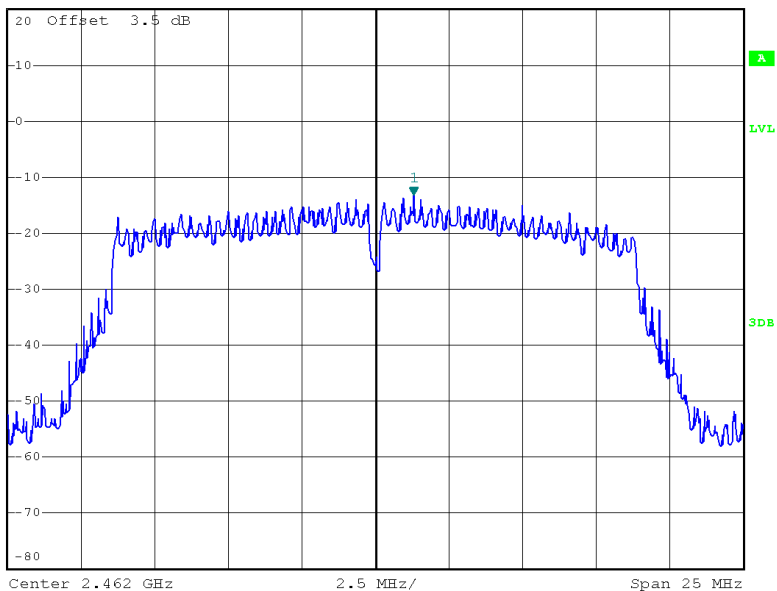
Date: 25.DEC.2016 13:45:15

TX CH11



1 PK
VIEW

Ref 20 dBm *Att 30 dB SWT 2.8 s
*RBW 3 kHz Marker 1 [T1] -13.24 dBm
*VBW 10 kHz 2.463300000 GHz

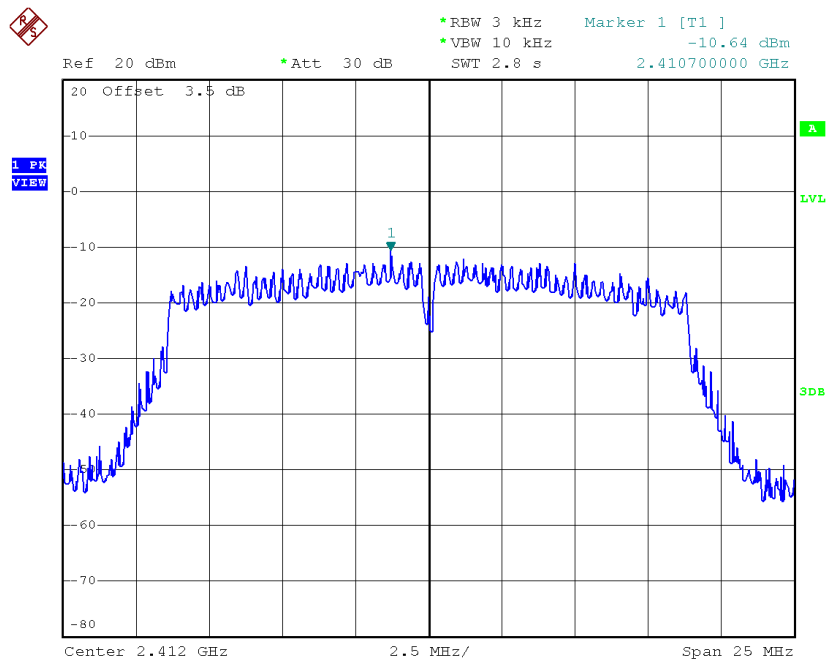


Date: 25.DEC.2016 13:46:37

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

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-10.64	0.0863	8.00	Complies
2437	-10.78	0.0836	8.00	Complies
2462	-11.71	0.0675	8.00	Complies

TX CH01

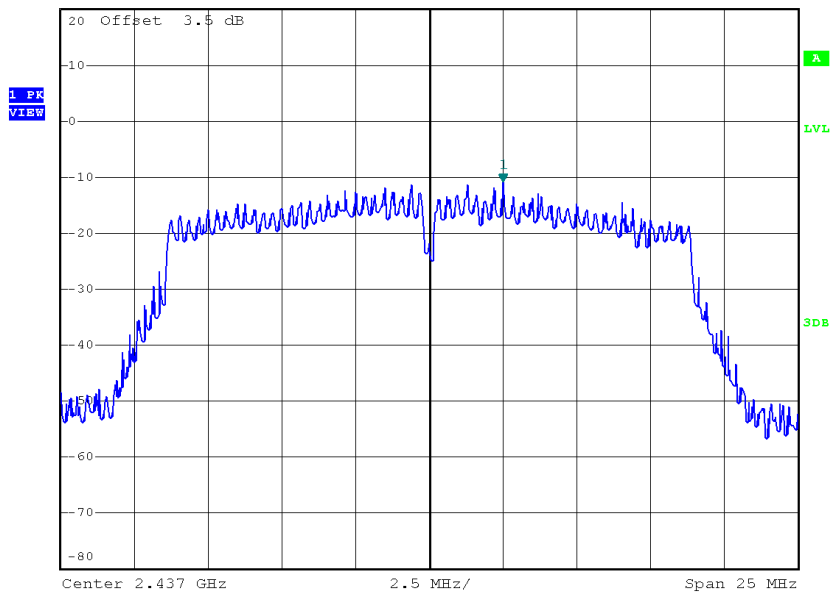


Date: 10.JAN.2017 10:26:18

TX CH06



Ref 20 dBm *Att 30 dB SWT 2.8 s
*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -10.78 dBm
2.439500000 GHz

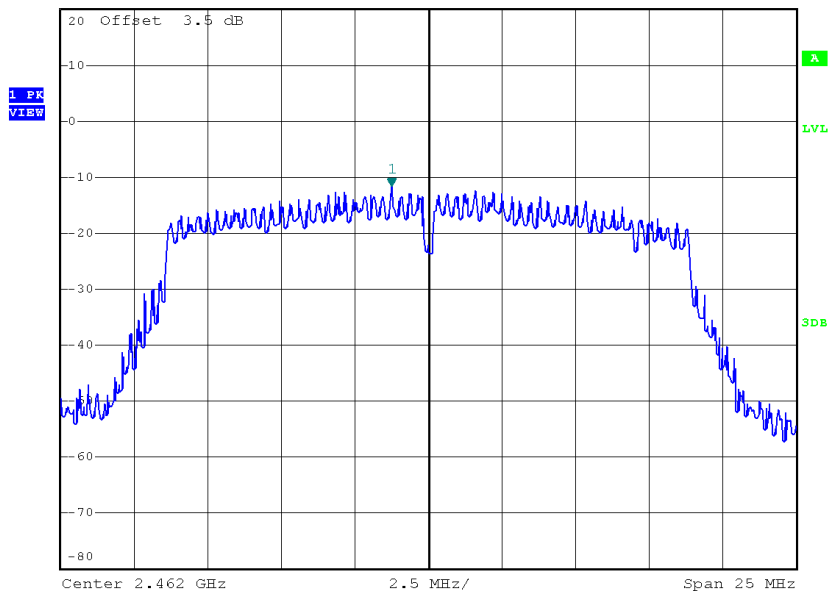


Date: 10.JAN.2017 10:27:42

TX CH11



Ref 20 dBm *Att 30 dB SWT 2.8 s
*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -11.71 dBm
2.460750000 GHz



Date: 10.JAN.2017 10:29:25

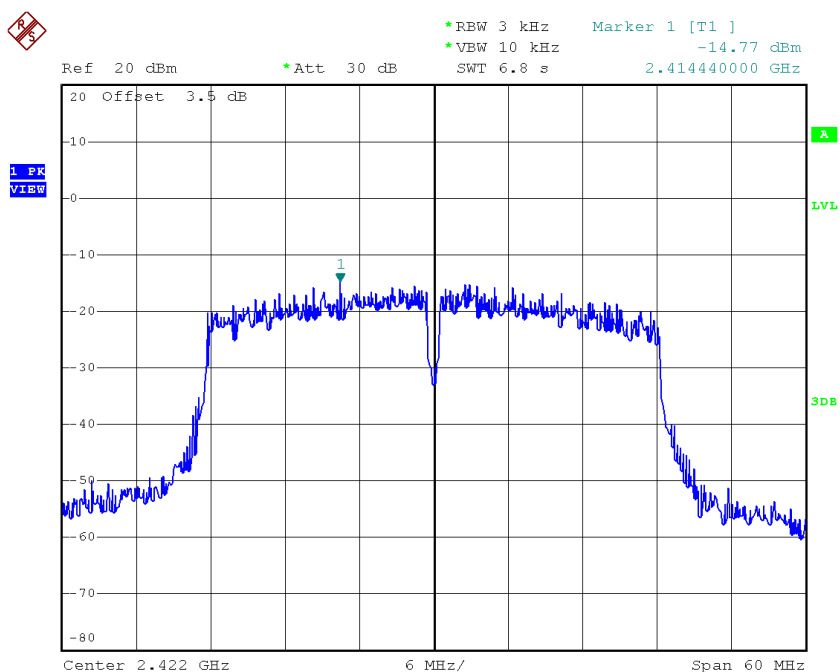
Test Mode : TX N-20M Mode_CH01/06/11_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-8.57	0.1390	8.00	Complies
2437	-8.57	0.1390	8.00	Complies
2462	-9.40	0.1149	8.00	Complies

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

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-14.77	0.0333	8.00	Complies
2437	-15.01	0.0316	8.00	Complies
2452	-14.74	0.0336	8.00	Complies

TX CH03

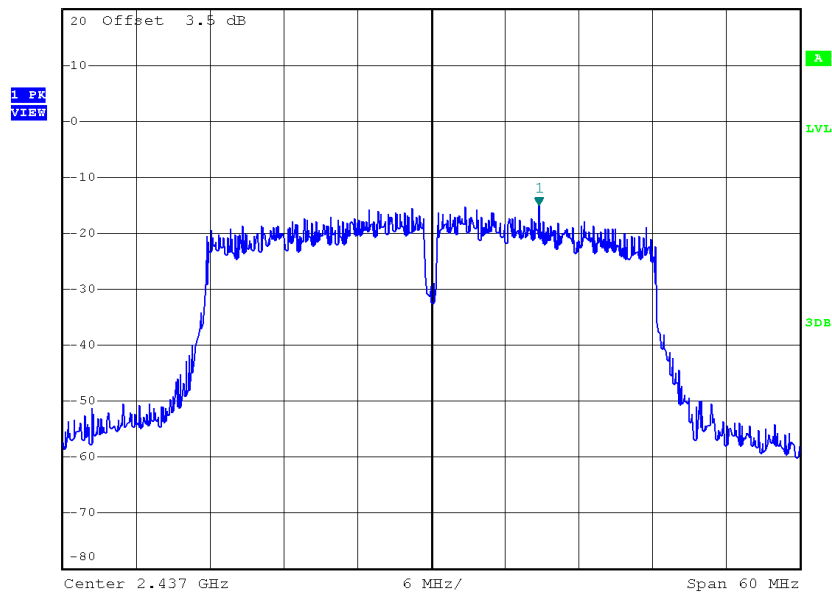


Date: 25.DEC.2016 13:48:39

TX CH06



Ref 20 dBm *Att 30 dB SWT 6.8 s
*RBW 3 kHz Marker 1 [T1] -15.01 dBm
*VBW 10 kHz 2.445760000 GHz

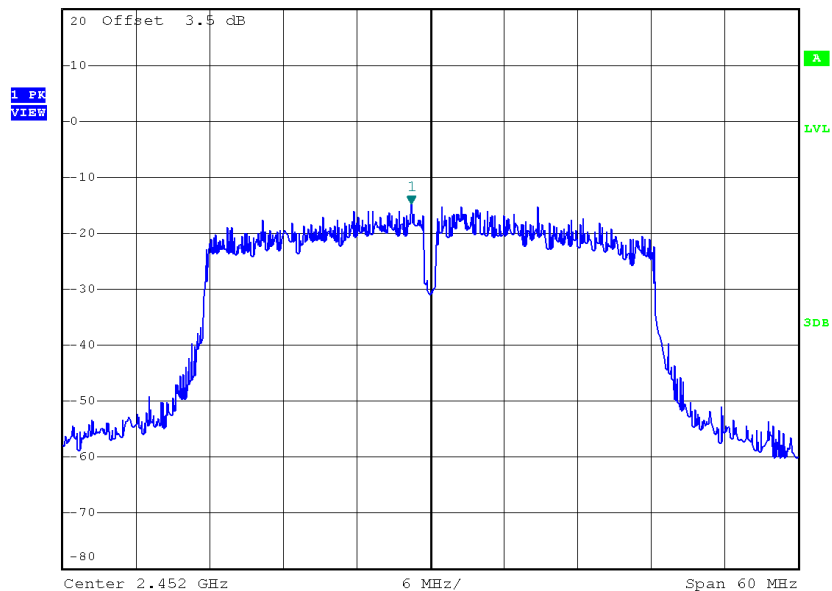


Date: 25.DEC.2016 13:49:58

TX CH09



Ref 20 dBm *Att 30 dB SWT 6.8 s
*RBW 3 kHz Marker 1 [T1] -14.74 dBm
*VBW 10 kHz 2.450440000 GHz

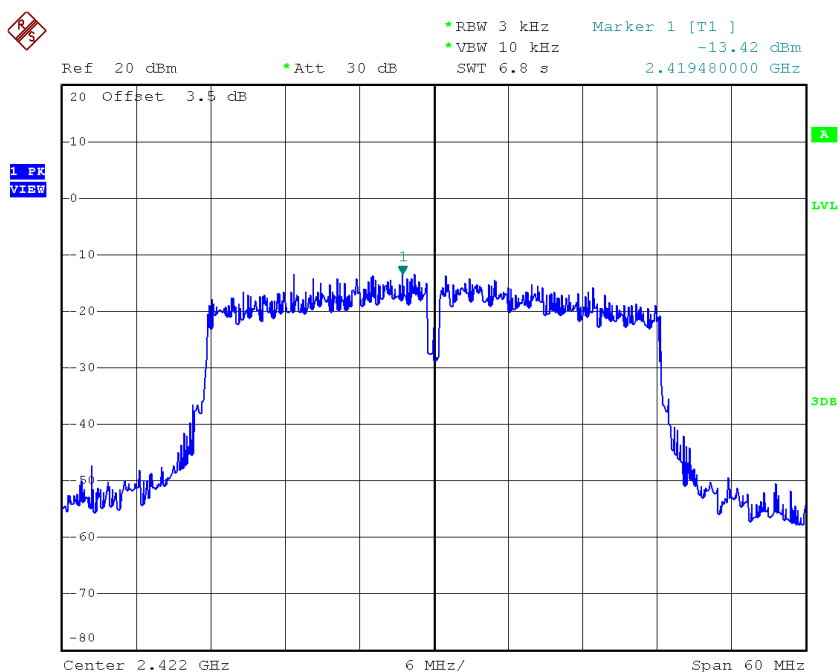


Date: 25.DEC.2016 13:51:25

Test Mode : TX N-40M Mode_CH03/06/09_ANT 2

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-13.42	0.0455	8.00	Complies
2437	-13.14	0.0485	8.00	Complies
2452	-13.35	0.0462	8.00	Complies

TX CH03

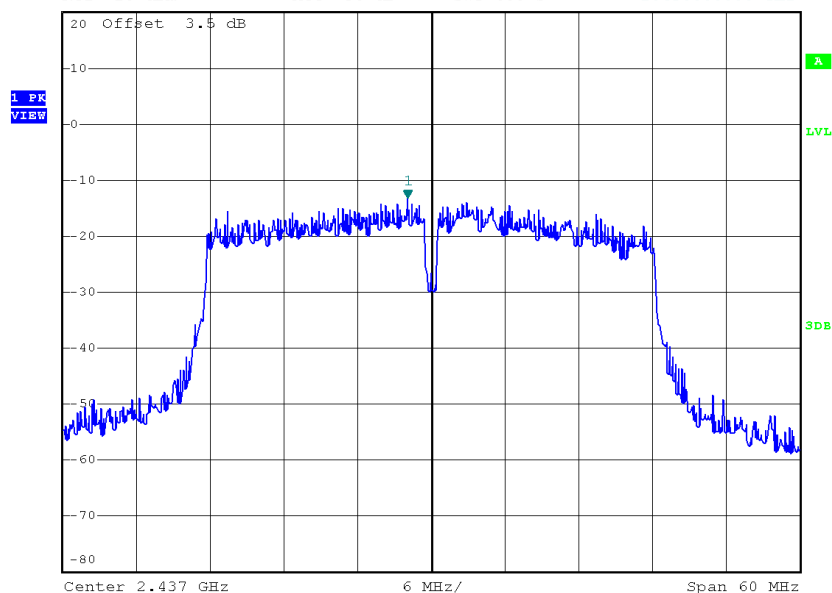


Date: 10.JAN.2017 10:31:21

TX CH06



Ref 20 dBm *Att 30 dB *RBW 3 kHz *VBW 10 kHz Marker 1 [T1]
SWT 6.8 s -13.14 dBm 2.435080000 GHz

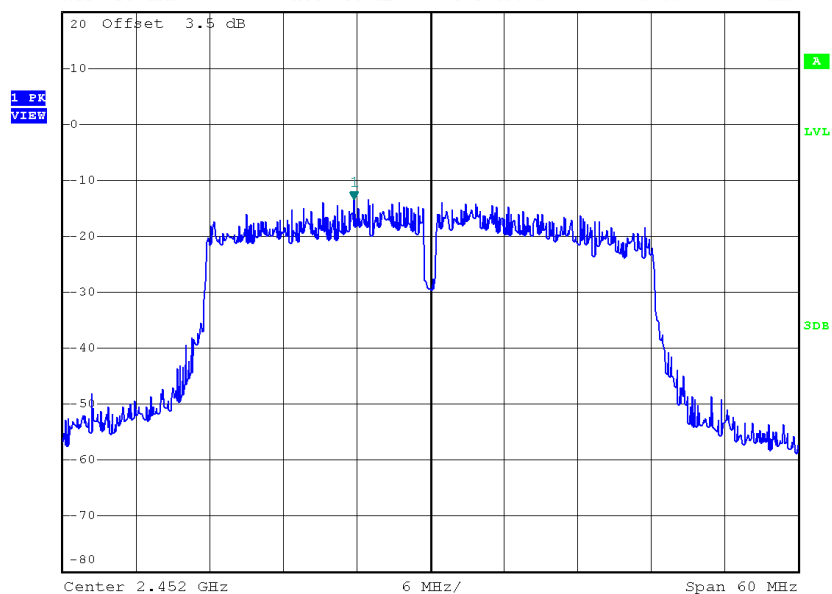


Date: 10.JAN.2017 10:32:28

TX CH09



Ref 20 dBm *Att 30 dB *RBW 3 kHz *VBW 10 kHz Marker 1 [T1]
SWT 6.8 s -13.35 dBm 2.445760000 GHz



Date: 10.JAN.2017 10:33:45

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

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-11.03	0.0788	8.00	Complies
2437	-10.96	0.0801	8.00	Complies
2452	-10.98	0.0798	8.00	Complies

End of Test Report