FCC Radio Test Report

FCC ID: VW3FAST2705WS

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

Project No.	:	1611C071
Equipment	:	Wireless ADSL Router
Model Name	:	F@ST 2705 WS
P/N	:	253706797
S/N	:	Test sample #3 only
Applicant	:	SAGEMCOM BROADBAND SAS.
Address	:	250 Route de l' Empereur - 92848 RUEIL MALMAISON CEDEX- FRANCE

Date of Receipt	:	Nov. 15, 2016
Date of Test	:	Nov. 15, 2016 ~ Jan. 11, 2017
Issued Date	:	Jan. 12, 2017
Tested by	:	BTL Inc.

Testing Engineer : Shawn Xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

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(Steven Lu)

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Declaration

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Limitation

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

Table of Contents Page

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1611C071	Original Issue.	Jan. 12, 2017

1. CERTIFICATION

Equipment	:	Wireless ADSL Router
Brand Name	:	SAGEMCOM
Model Name	:	F@ST 2705 WS
P/N	:	253706797
S/N	:	Test sample #3 only
Applicant	:	SAGEMCOM BROADBAND SAS.
Manufacturer	:	SAGEMCOM BROADBAND SAS.
Address	:	250 Route de l' Empereur - 92848 RUEIL MALMAISON CEDEX- FRANCE
Factory	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD. Dongguan Branch
Address	:	No. 79 Yuanyi Street, Dalang Town, Dongguan City, Guangdong Province, China.
Date of Test	:	Nov. 15, 2016 ~ Jan. 11, 2017
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1611C071) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C			
Standard(s) Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Conducted Output Power	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	(2)
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) Two PCB antennas are used for this product, thus the antenna requirement of 15.203 is satisfied.

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

C. Other Measurement:

Test Item	Uncertainty
Conducted Output Power	0.27 dB
Power Spectral Density	0.58 dB
Conducted emissions	2.51 dB
Occupied bandwidth	3.8%

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	Wireless ADSL Router	
Brand Name	SAGEMCOM	
Model Name	F@ST 2705 WS	
Model Difference	N/A	
P/N	253706797	
S/N	Test sample #3 only	
Hardware Version	FAST2705 V1.0	
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: 16.78dBm 802.11g: 18.79dBm 802.11n(20MHz): 19.26dBm 802.11n(40MHz): 18.00dBm
Power Source	DC voltage supplied from AC/DC adapter. 1) Brand / Model: SAGEMCOM / LPL-D006120050ZE 2) Brand / Model: SAGEMCOM / MSA-C0500IC12.0-12W-US	
Power Rating	1) I/P: 100-240V~50/60Hz 0.2A Max. O/P: 12V⎓0.5A 2) I/P: 100-240V~50/60Hz 0.5A Max. O/P: 12.0V⎓0.5A	
Connecting I/O Port(s)	5* Ethernet Cable In 1* Power Cable In	

Note:

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

2. Channel List:

CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz) CH04 – CH09 for 802.11n(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Table for Filed Antenna:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
0	N/A	N/A	PCB	N/A	3.1	TX/RX
1	N/A	N/A	PCB	N/A	3.6	TX/RX

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

4.

Operating Mode / TX Mode	1TX	2TX
802.11b	V (ANT 0)	-
802.11g	V (ANT 0)	-
802.11n(20MHz)	-	V (ANT 0 + ANT 1)
802.11n(40MHz)	-	V (ANT 0 + ANT 1)

Note:

For IEEE 802.11b/g mode (1TX/1RX):

The EUT supports the antenna with TX and RX diversity functions.

Ant. 0 support transmit and Ant. 1 support receive functions.

For IEEE 802.11n mode (2TX/2RX):

Both Ant. 0 and Ant. 1 can be used as transmitting/receiving antenna.

Ant. 0 and Ant. 1 could both transmit/receive simultaneously.

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 04/06/09
Mode 5	TX MODE

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

For Conducted Test	
Final Test Mode	Description
Mode 5	TX MODE

For Radiated Test	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	TX N-40MHZ MODE CHANNEL 04/06/09

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 04/06/09

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 04/06/09

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 04/06/09

Antenna conducted Spurious Emission	
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 04/06/09

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 04/06/09

Note:

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

(2) 802.11b mode: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (13Mbps)
802.11n HT40 mode : BPSK (27Mbps)
For radiated emission tests, the highest output powers were set for final test.

(3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.

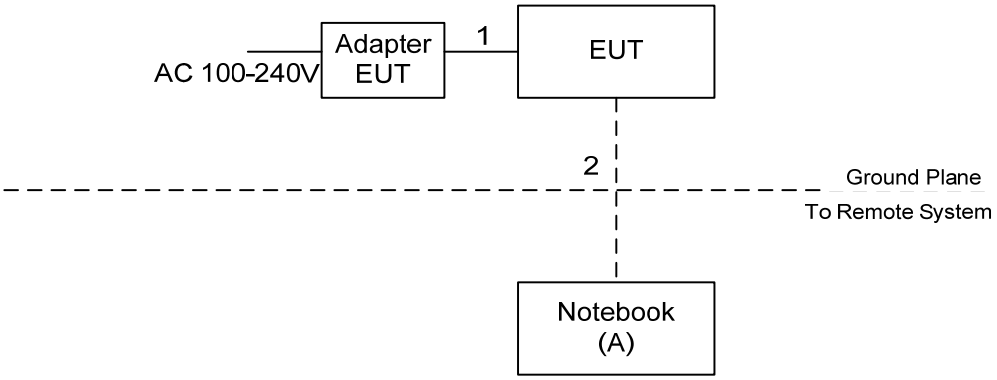
(4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	Mtool 2.0.1.7		
Frequency (MHz)	2412	2437	2462
802.11b	58	68	66
802.11g	56	76	63
802.11n (20MHz)	54	68	64
Frequency (MHz)	2427	2437	2452
802.11n (40MHz)	44	64	57

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	Notebook	DELL	745	DOC	G7K832X

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.5m	DC Cable
2	NO	NO	10m	RJ-45 Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

(1) The limit of " * " decreases with the logarithm of the frequency

(2) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

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

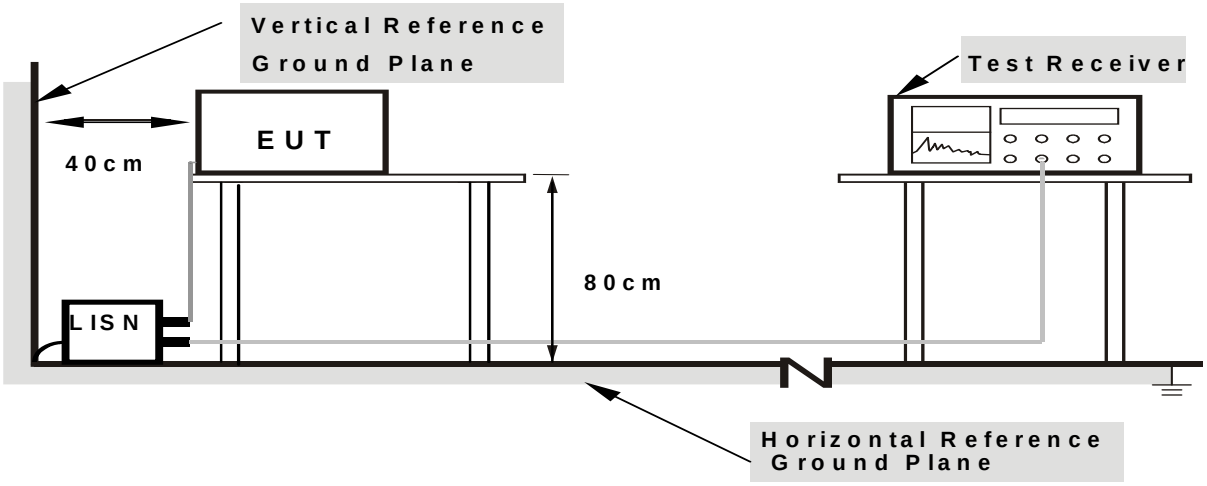
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



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

4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

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

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

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

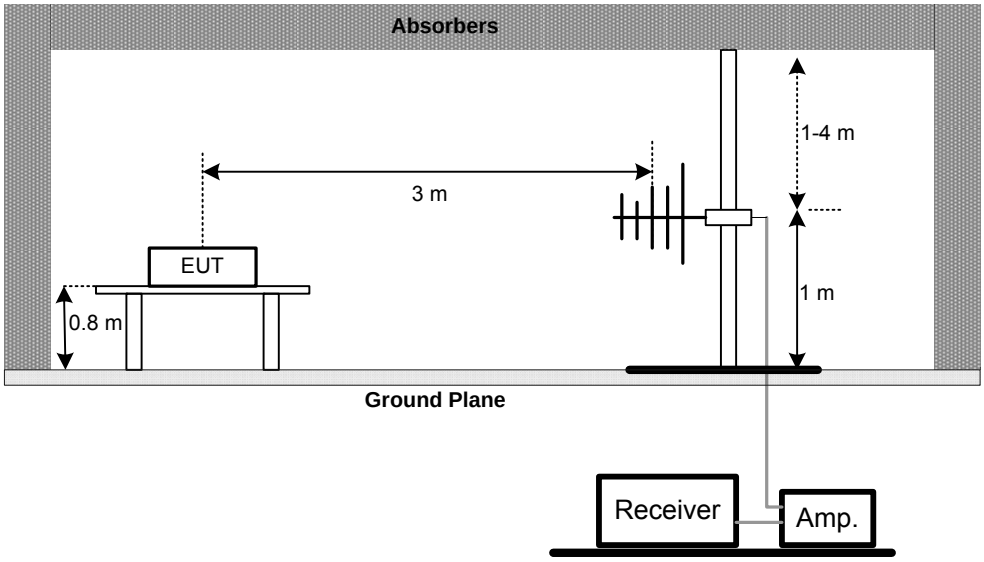
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

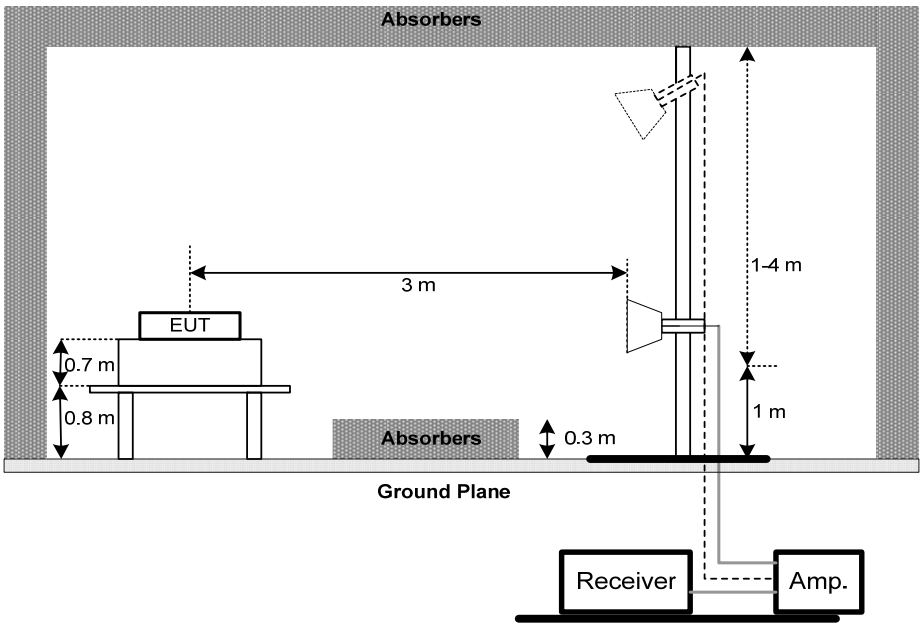
No deviation

4.2.4 TEST SETUP

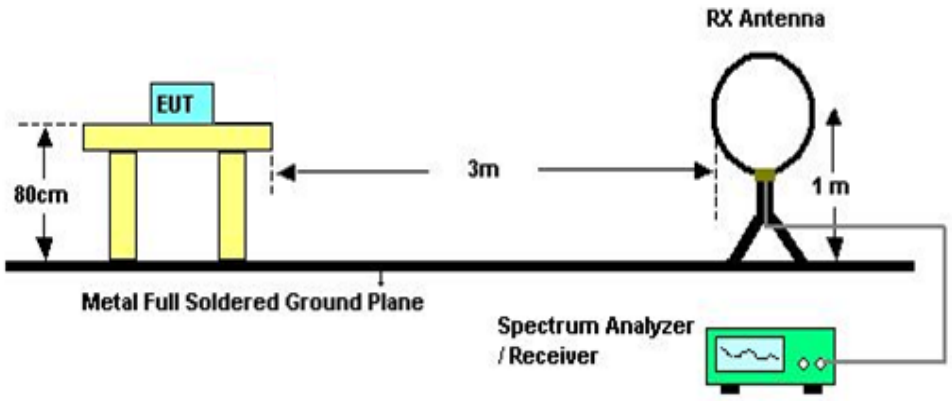
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

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

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

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

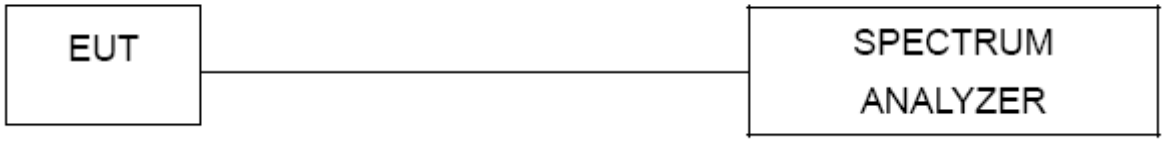
5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM AVERAGE 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

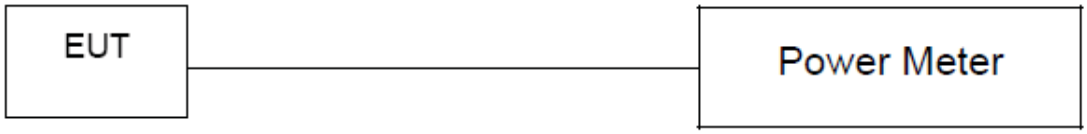
6.1.1 TEST PROCEDURE

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 v03r05 and FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

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

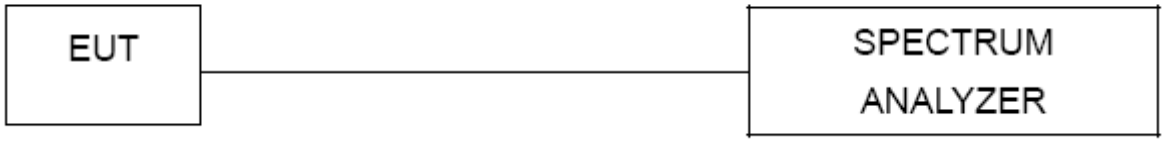
7.1.1 TEST PROCEDURE

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP

8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	0052765	Mar. 27, 2017
2	LISN	R&S	ENV216	101447	Mar. 27, 2017
3	Test Cable	emci	RG223(9KHz -30MHz)	C_17	Mar. 10, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 27, 2017
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1 -01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Mar. 10, 2017
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 26, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 27, 2017
8	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
9	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
10	Test Cable	emci	EMC104-SM-SM-10000(1GHz－26.5GHz)	C-68	Jun. 26, 2017
11	Controller	CT	SC100	N/A	N/A
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
13	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
14	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
15	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Mar. 27, 2017
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 27, 2017

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

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

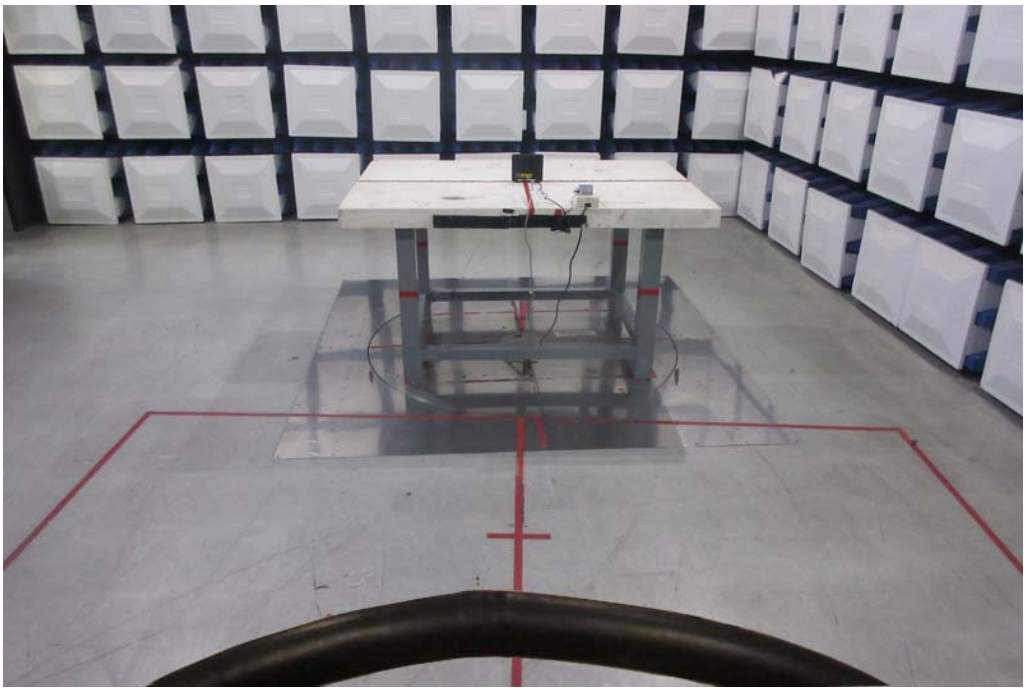
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

10. EUT TEST PHOTO

Conducted Measurement Photos

Radiated Measurement Photos

9KHz to 30MHz

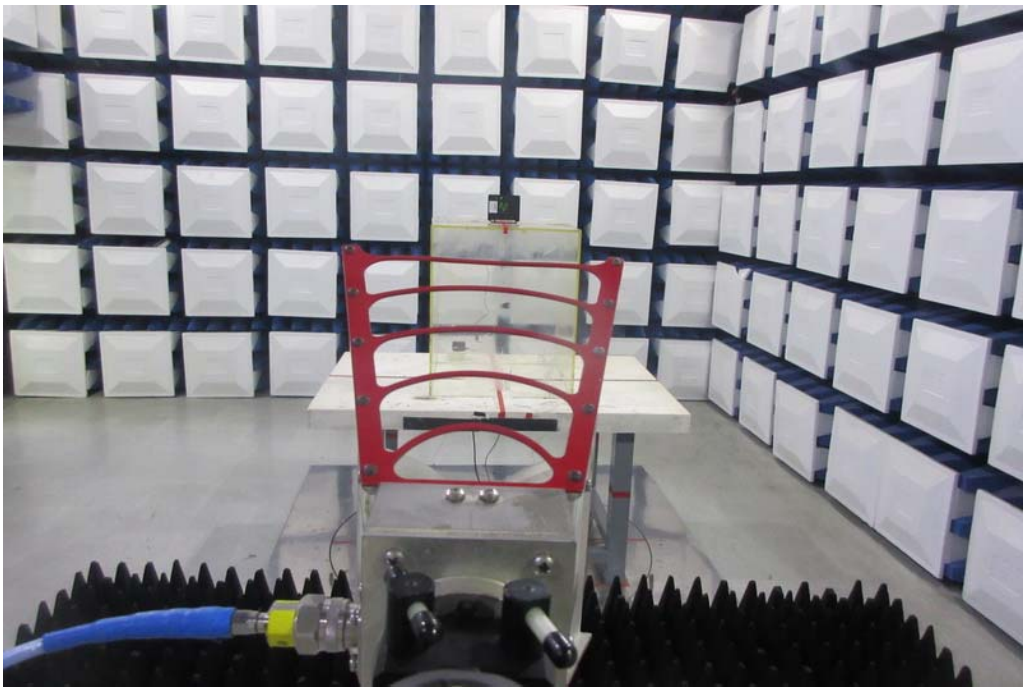


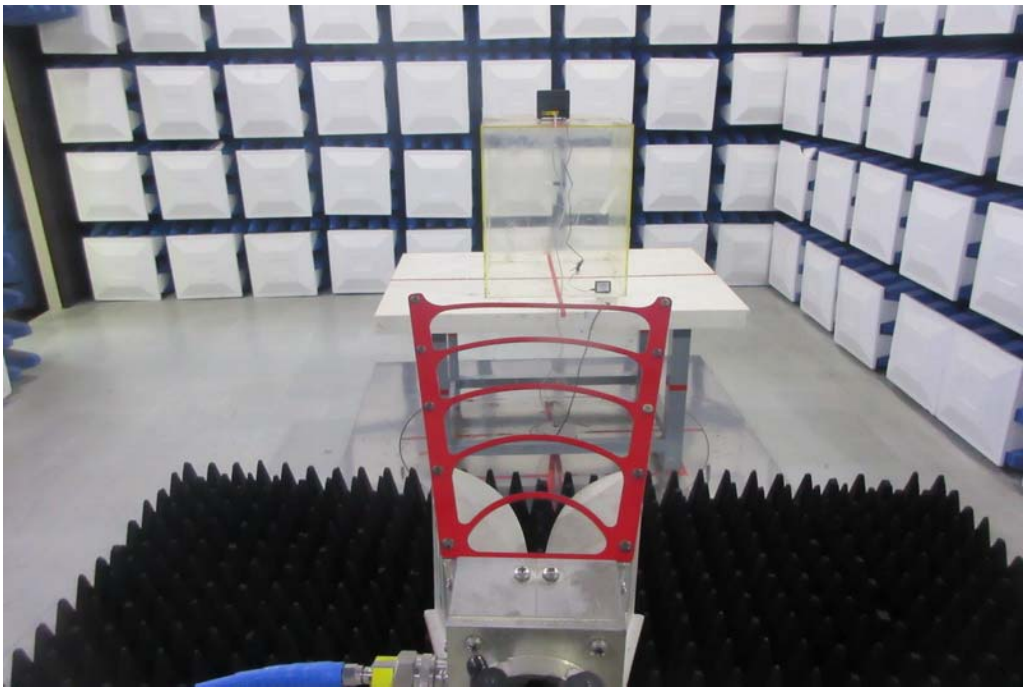
Radiated Measurement Photos

30MHz to 1000MHz

Radiated Measurement Photos

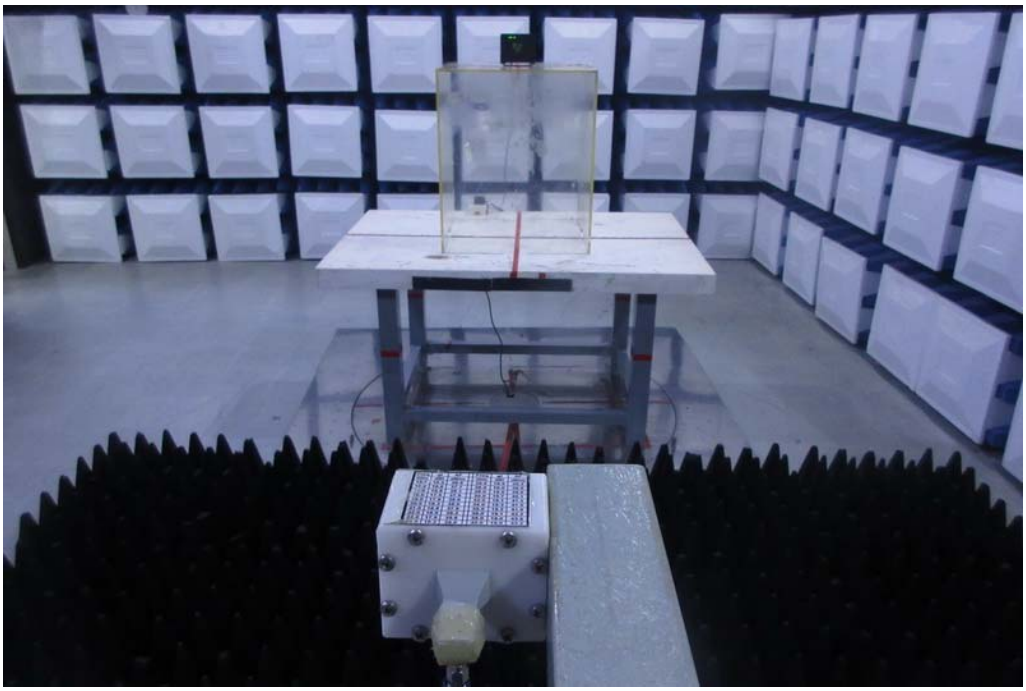
1GHz to 18GHz

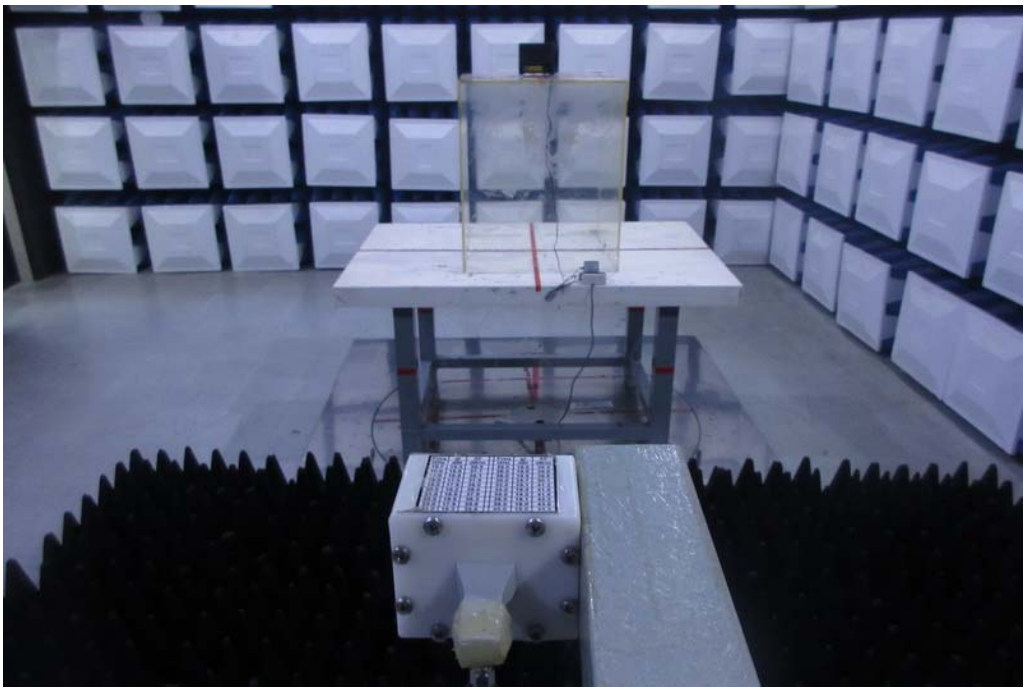




Radiated Measurement Photos

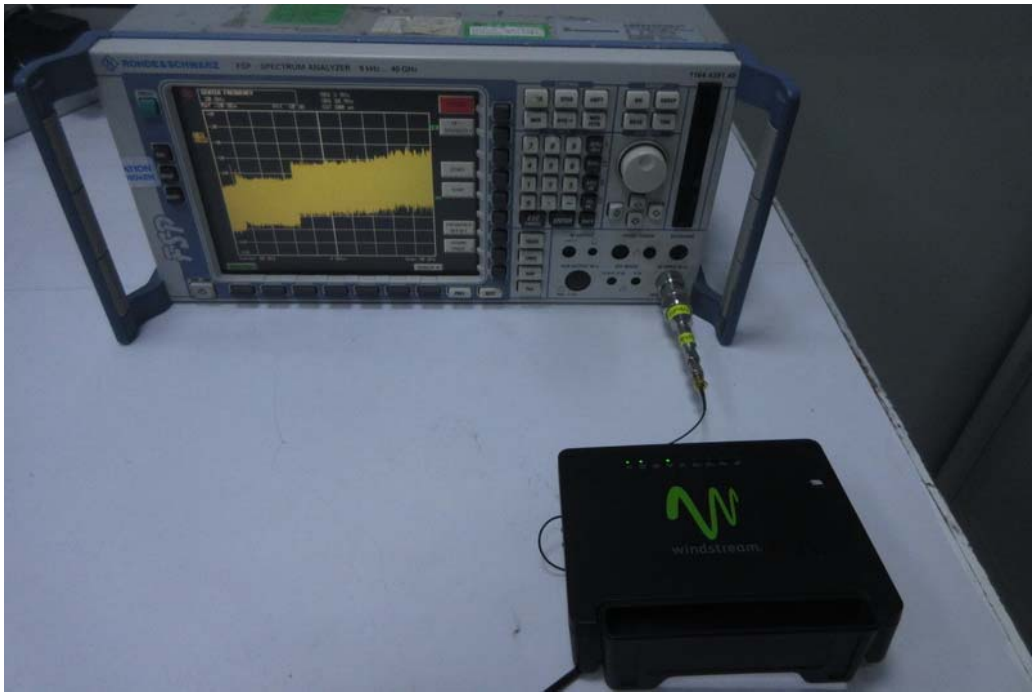
18GHz to 26.5GHz





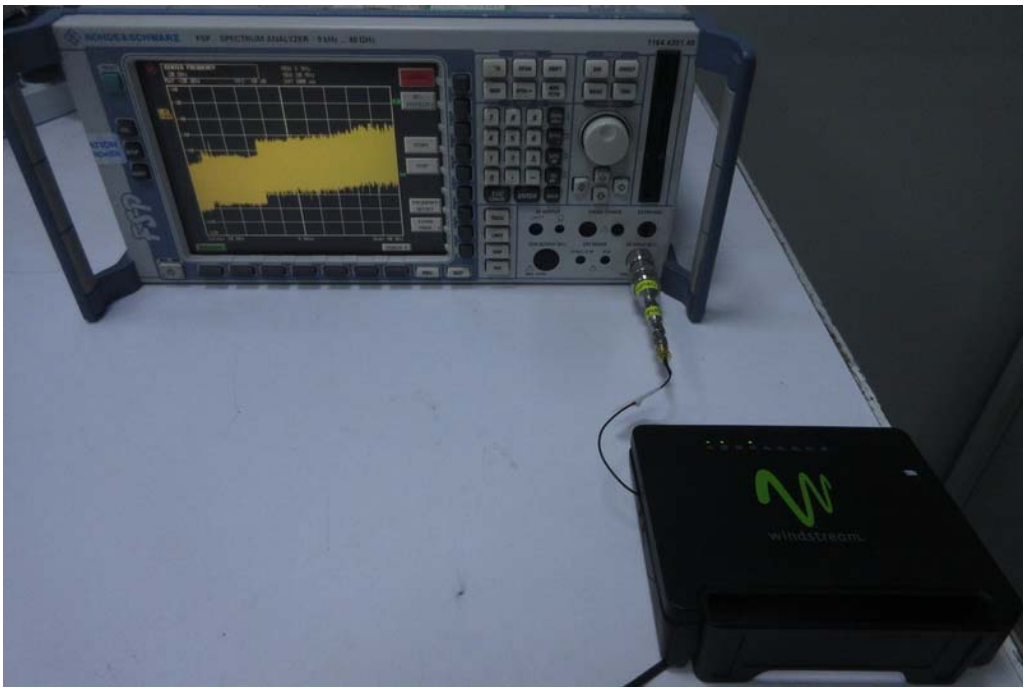
Conducted RF Measurement Photos - Ant 0

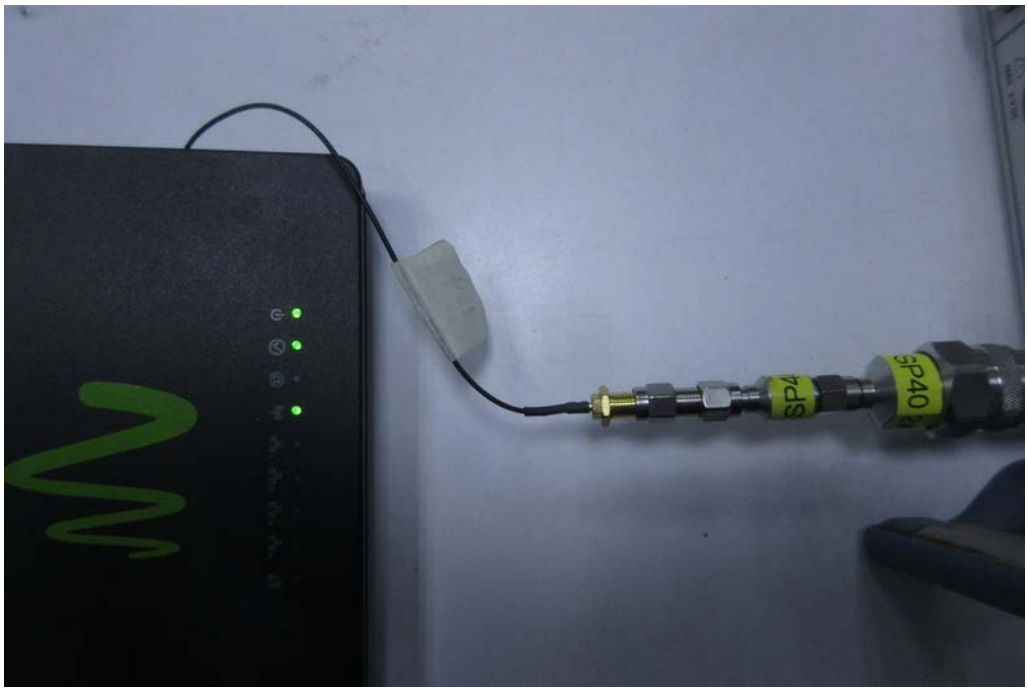
Conducted RF Measurement Photos - Ant 0



Conducted RF Measurement Photos - Ant 1

Conducted RF Measurement Photos - Ant 1

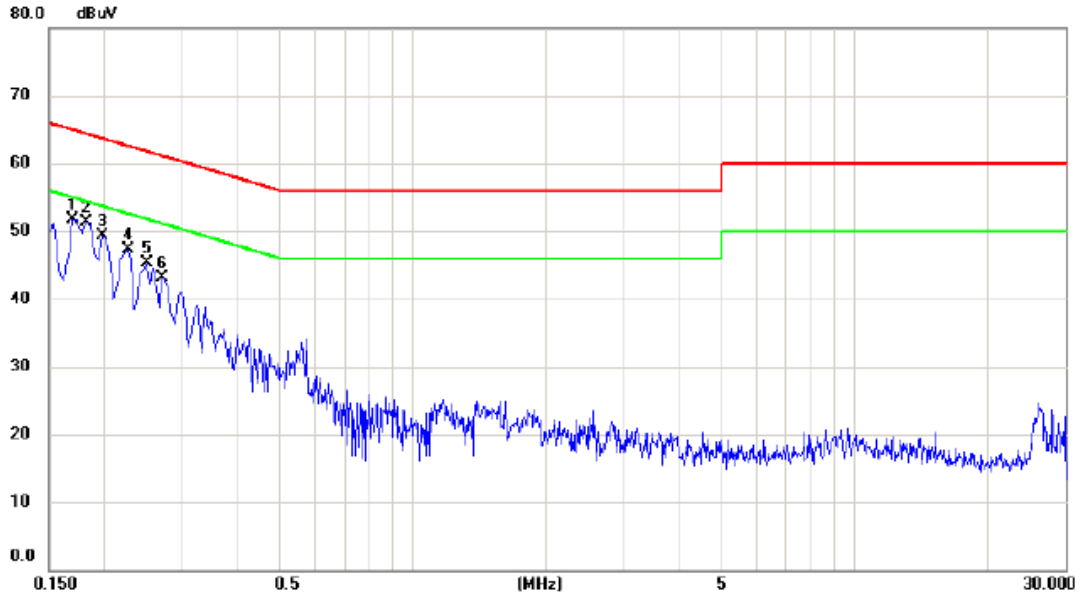




ATTACHMENT A - CONDUCTED EMISSION

Test Mode :	TX Mode_Adapter: LPL-D006120050ZE

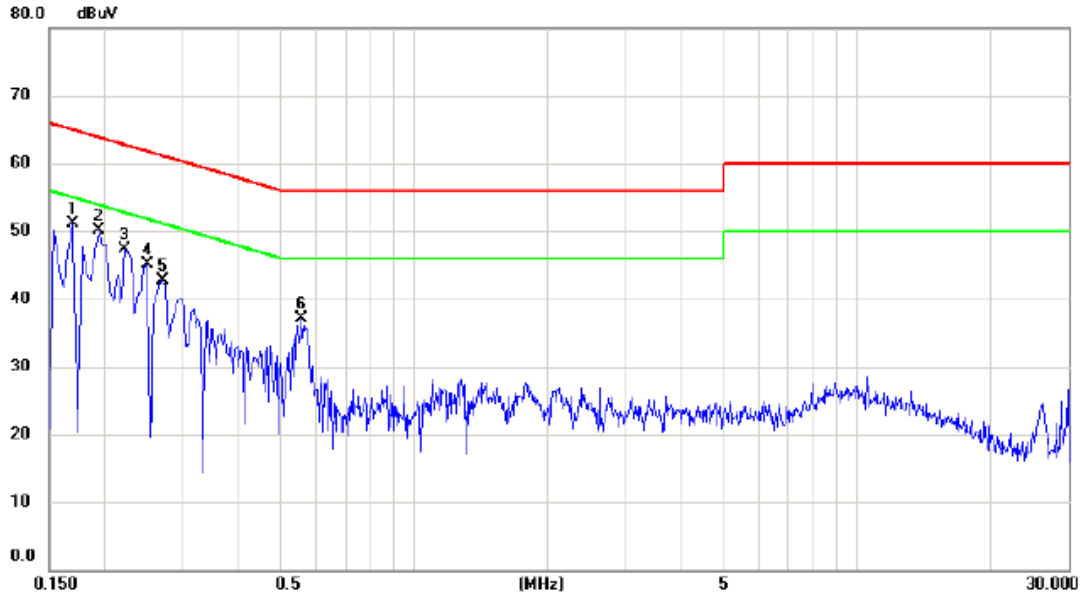
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.170	42.15	9.52	51.67	64.96	-13.29	peak	
2	*	0.182	41.87	9.53	51.40	64.39	-12.99	peak	
3		0.198	39.86	9.53	49.39	63.69	-14.30	peak	
4		0.226	37.85	9.53	47.38	62.60	-15.22	peak	
5		0.250	35.71	9.53	45.24	61.76	-16.52	peak	
6		0.270	33.64	9.53	43.17	61.12	-17.95	peak	

Test Mode :	TX Mode_Adapter: LPL-D006120050ZE

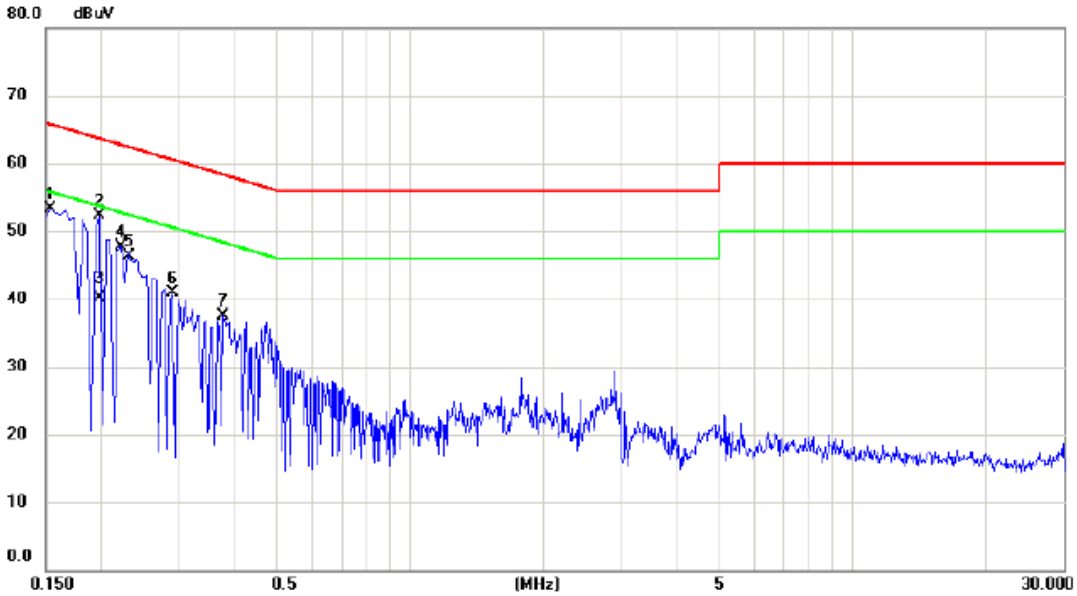
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.170	41.74	9.42	51.16	64.96	-13.80	peak	
2	*	0.194	40.61	9.51	50.12	63.86	-13.74	peak	
3		0.222	37.74	9.53	47.27	62.74	-15.47	peak	
4		0.250	35.64	9.53	45.17	61.76	-16.59	peak	
5		0.270	33.18	9.53	42.71	61.12	-18.41	peak	
6		0.558	27.67	9.44	37.11	56.00	-18.89	peak	

Test Mode :	TX Mode _Adapter: MSA-C0500IC12.0-12W-US

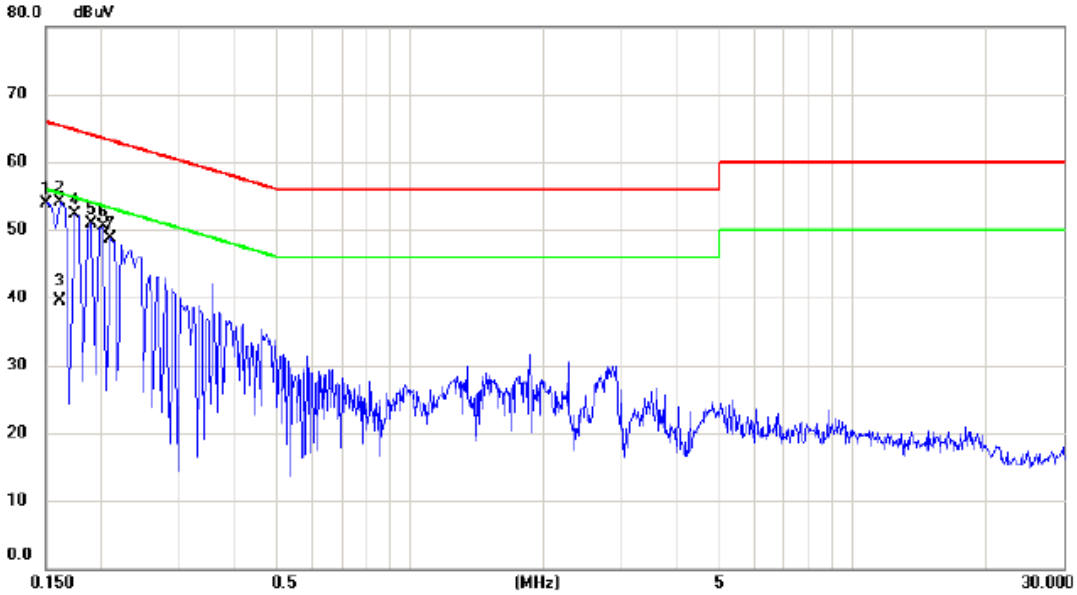
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.154	43.80	9.52	53.32	65.78	-12.46	peak	
2	*	0.198	42.68	9.53	52.21	63.69	-11.48	peak	
3		0.198	30.53	9.53	40.06	53.69	-13.63	AVG	
4		0.222	38.27	9.53	47.80	62.74	-14.94	peak	
5		0.232	36.86	9.53	46.39	62.39	-16.00	peak	
6		0.290	31.30	9.53	40.83	60.52	-19.69	peak	
7		0.378	27.94	9.54	37.48	58.32	-20.84	peak	

Test Mode :	TX Mode _Adapter: MSA-C0500IC12.0-12W-US

Neutral

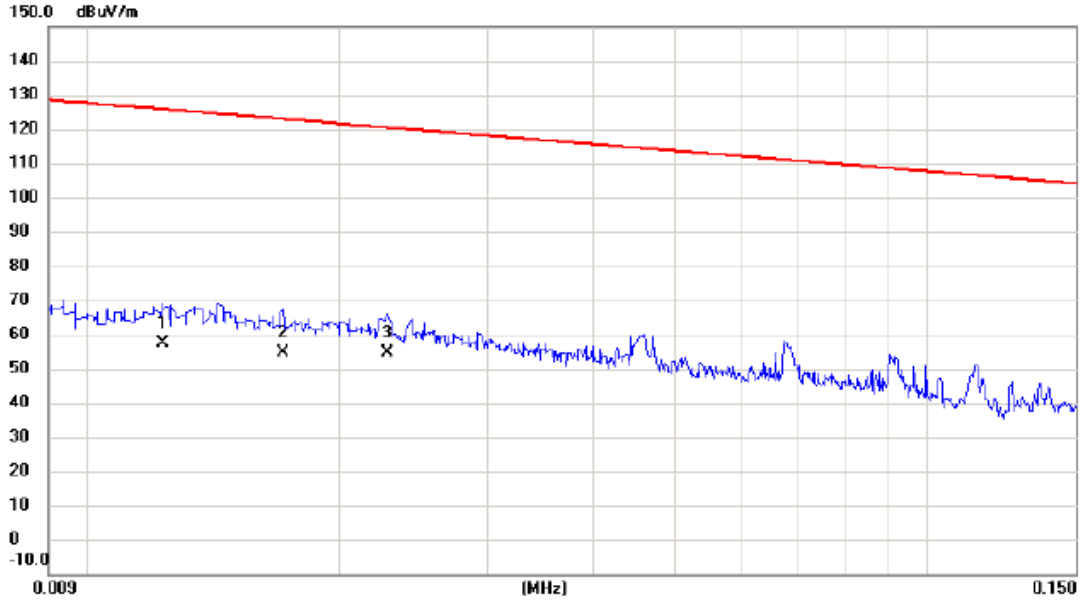


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.150	44.33	9.52	53.85	66.00	-12.15	peak	
2	*	0.162	44.58	9.46	54.04	65.36	-11.32	peak	
3		0.162	30.00	9.46	39.46	55.36	-15.90	AVG	
4		0.174	42.78	9.43	52.21	64.77	-12.56	peak	
5		0.190	41.41	9.50	50.91	64.04	-13.13	peak	
6		0.202	40.91	9.53	50.44	63.53	-13.09	peak	
7		0.210	39.18	9.53	48.71	63.21	-14.50	peak	

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

Test Mode:	TX MODE_Adapter: LPL-D006120050ZE

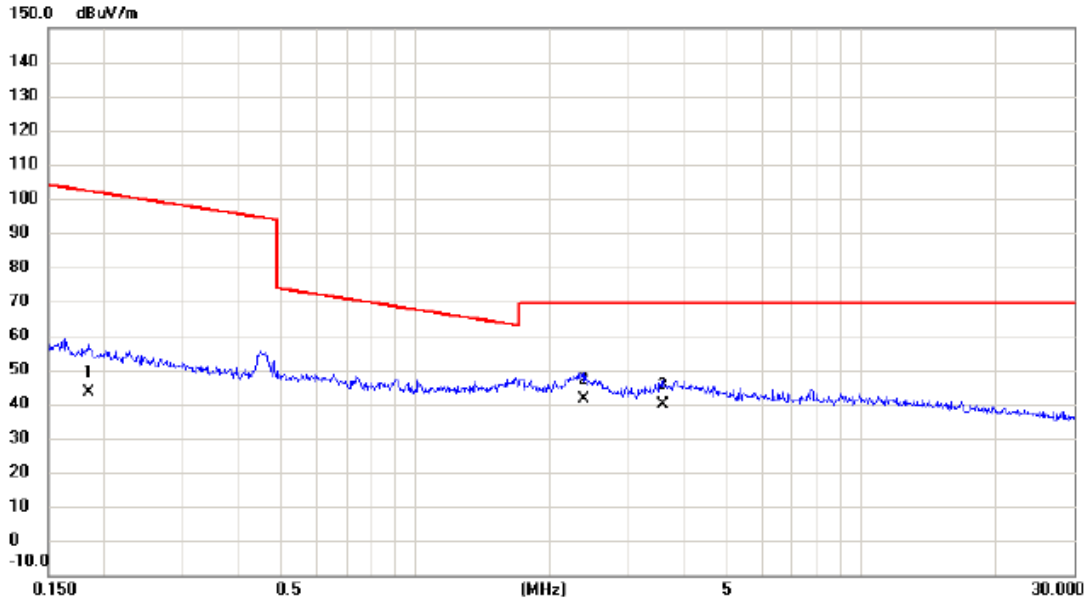
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.012	33.60	23.98	57.58	125.81	-68.23	AVG	
2		0.017	30.80	23.69	54.49	122.94	-68.45	AVG	
3	*	0.023	31.40	23.17	54.57	120.45	-65.88	AVG	

Test Mode:	TX MODE_Adapter: LPL-D006120050ZE

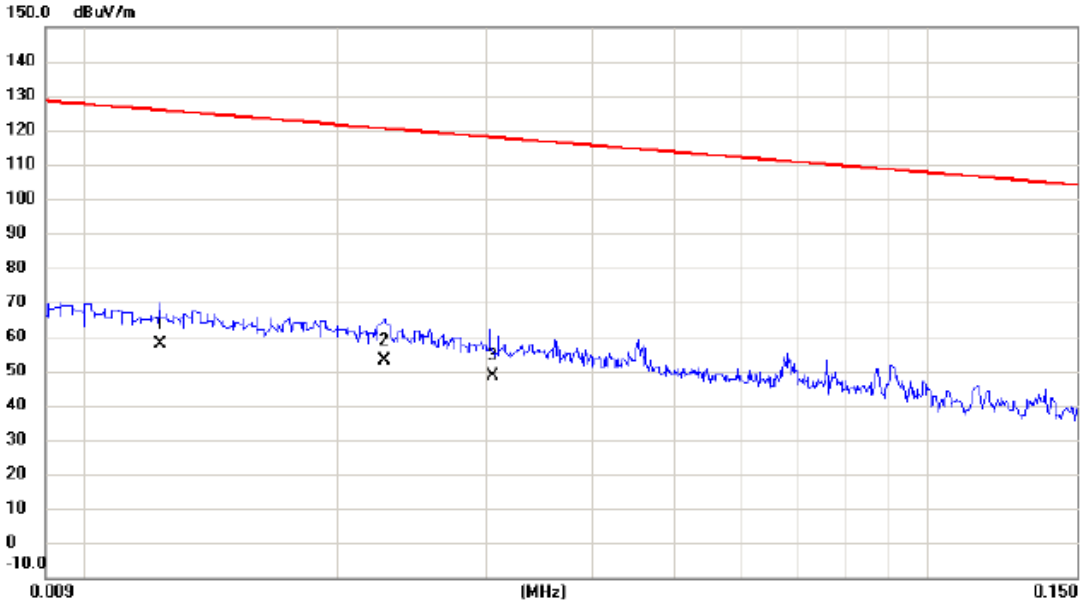
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.184	24.70	18.71	43.41	102.29	-58.88	AVG	
2	*	2.384	23.80	17.41	41.21	69.54	-28.33	QP	
3		3.584	22.00	17.87	39.87	69.54	-29.67	QP	

Test Mode:	TX MODE_Adapter: LPL-D006120050ZE

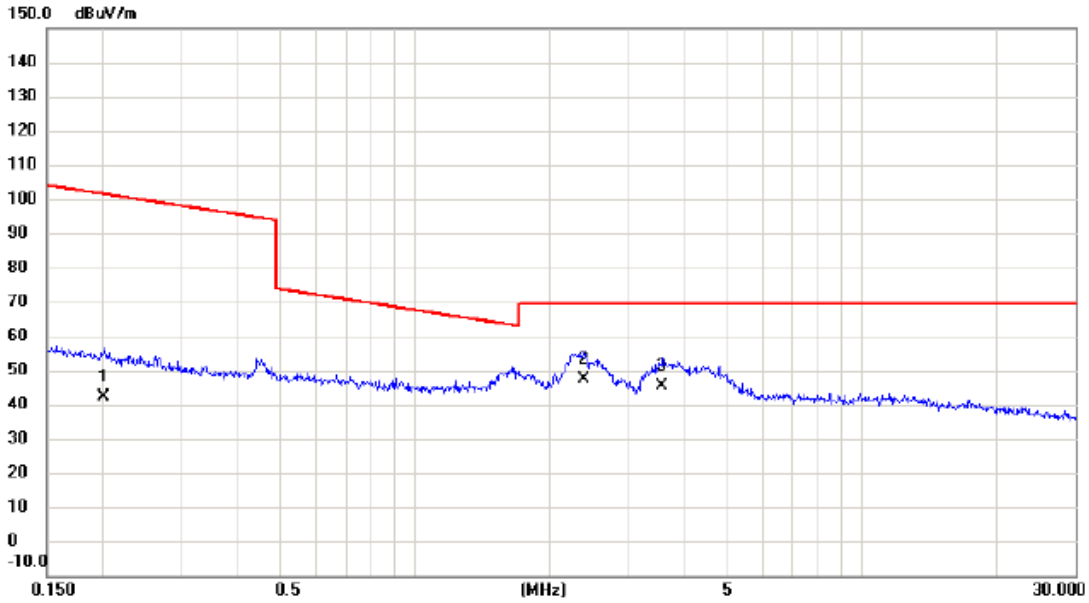
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.012	33.70	23.98	57.68	125.81	-68.13	AVG	
2	*	0.023	29.80	23.19	52.99	120.48	-67.49	AVG	
3		0.030	26.50	22.23	48.73	117.92	-69.19	AVG	

Test Mode:	TX MODE_Adapter: LPL-D006120050ZE

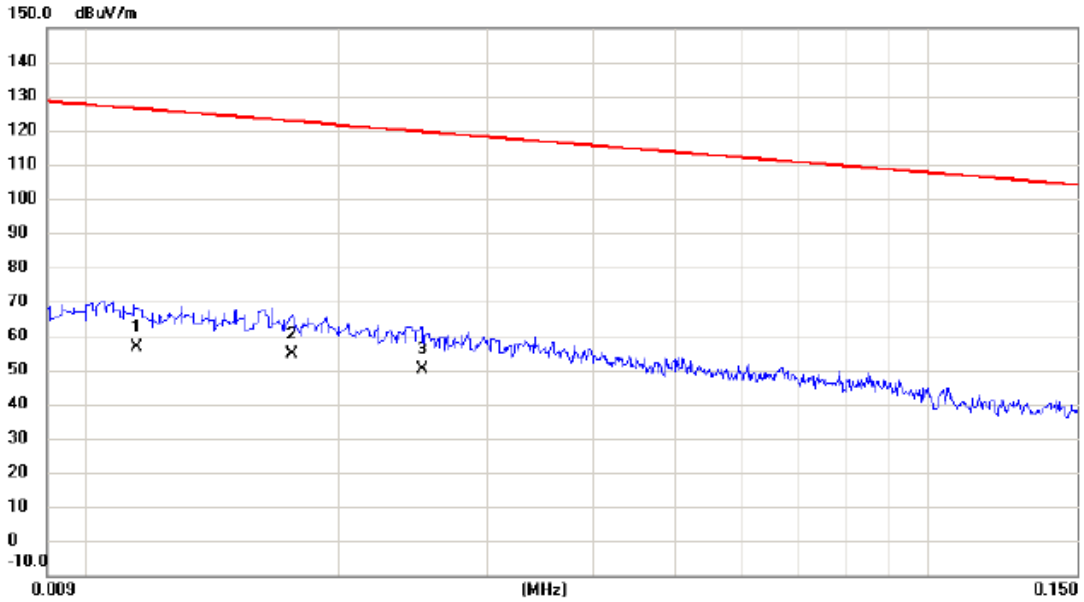
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.202	23.50	18.69	42.19	101.51	-59.32	AVG	
2	*	2.384	30.00	17.41	47.41	69.54	-22.13	QP	
3		3.565	27.40	17.83	45.23	69.54	-24.31	QP	

Test Mode:	TX MODE_Adapter: MSA-C0500IC12.0-12W-US

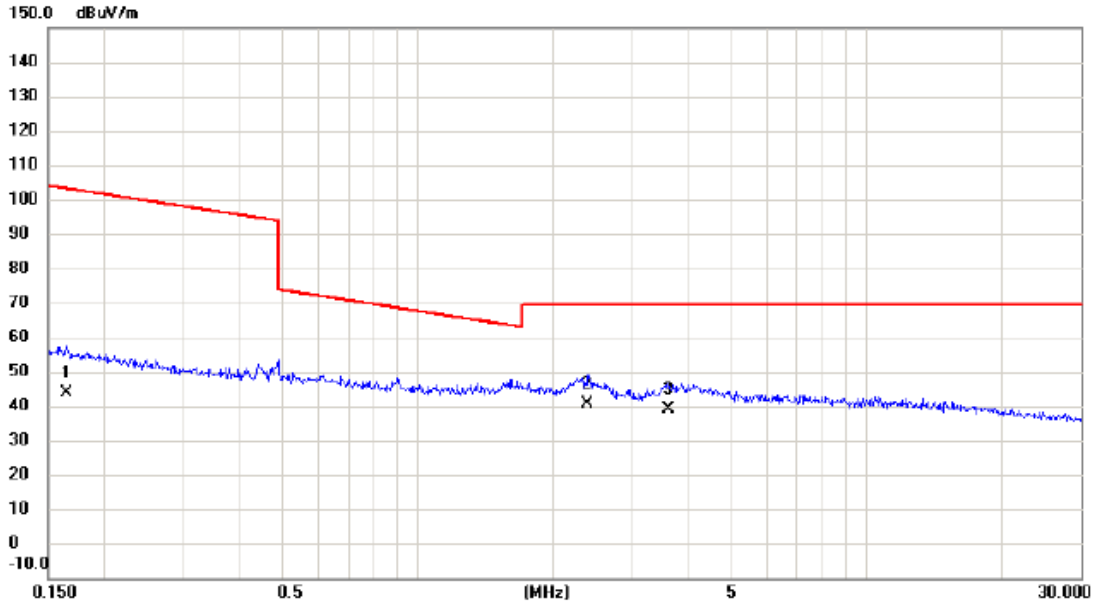
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.011	32.50	24.03	56.53	126.39	-69.86	AVG	
2	*	0.018	31.00	23.66	54.66	122.69	-68.03	AVG	
3		0.025	27.30	22.89	50.19	119.61	-69.42	AVG	

Test Mode:	TX MODE_Adapter: MSA-C0500IC12.0-12W-US

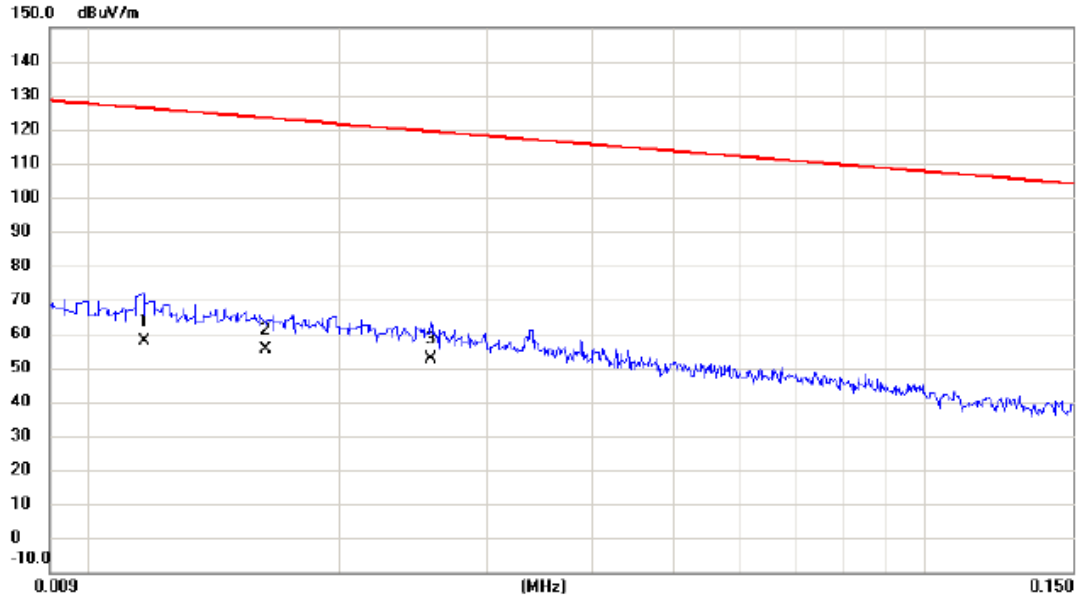
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.165	25.10	18.72	43.82	103.26	-59.44	AVG	
2	*	2.384	23.10	17.41	40.51	69.54	-29.03	QP	
3		3.623	21.20	17.96	39.16	69.54	-30.38	QP	

Test Mode:	TX MODE_Adapter: MSA-C0500IC12.0-12W-US

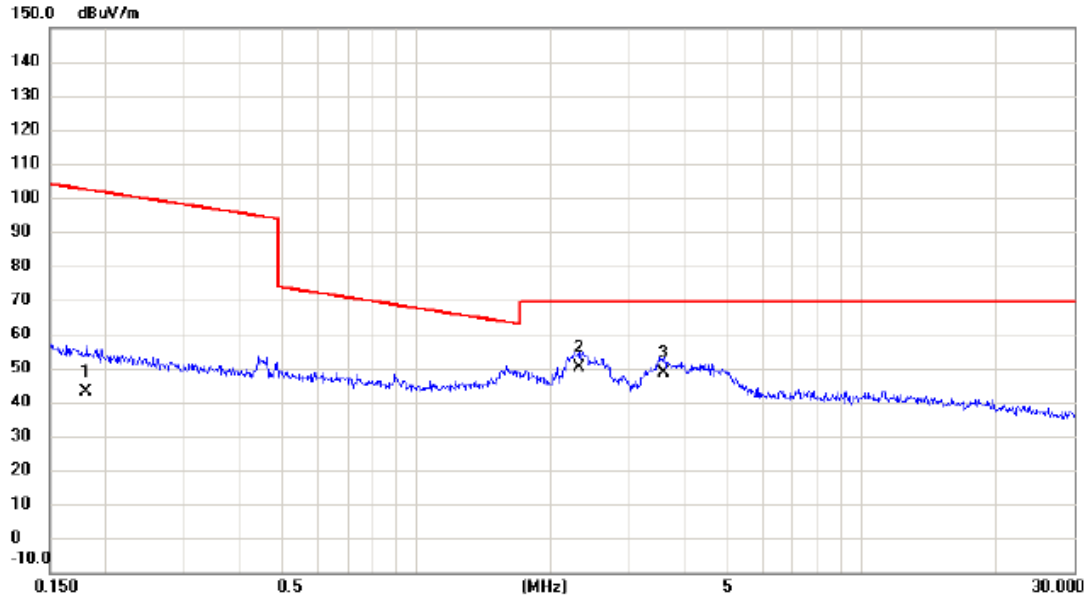
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.012	33.90	24.02	57.92	126.24	-68.32	AVG	
2		0.016	31.70	23.74	55.44	123.36	-67.92	AVG	
3	*	0.026	29.90	22.82	52.72	119.41	-66.69	AVG	

Test Mode:	TX MODE_Adapter: MSA-C0500IC12.0-12W-US

Ant 90°

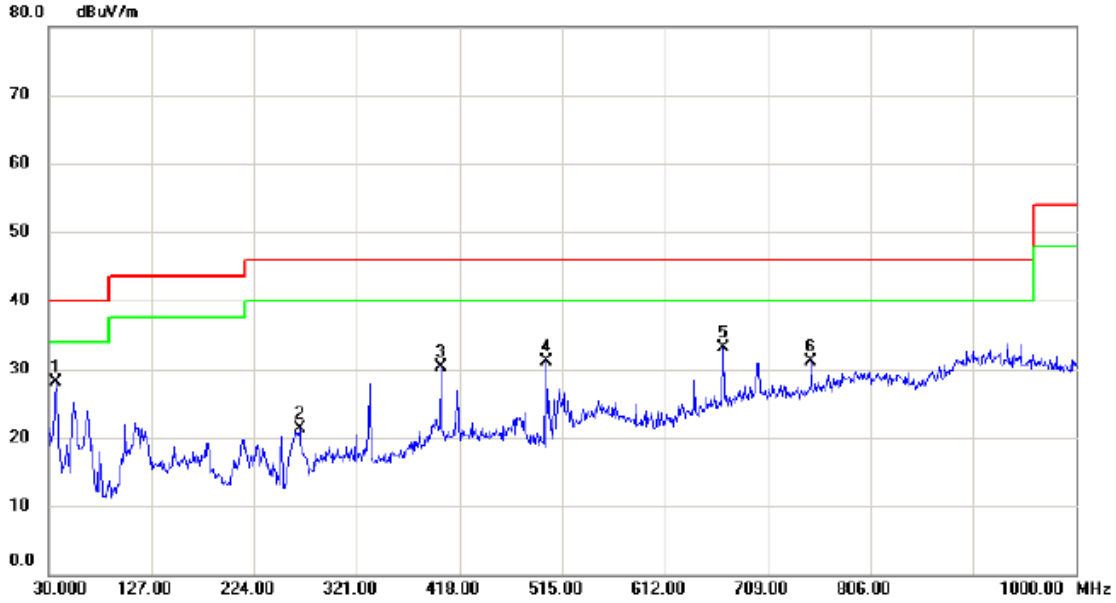


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.181	24.10	18.71	42.81	102.43	-59.62	AVG	
2	*	2.309	32.50	17.51	50.01	69.54	-19.53	QP	
3		3.584	30.60	17.87	48.47	69.54	-21.07	QP	

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

Test Mode:	TX MODE_Adapter: LPL-D006120050ZE

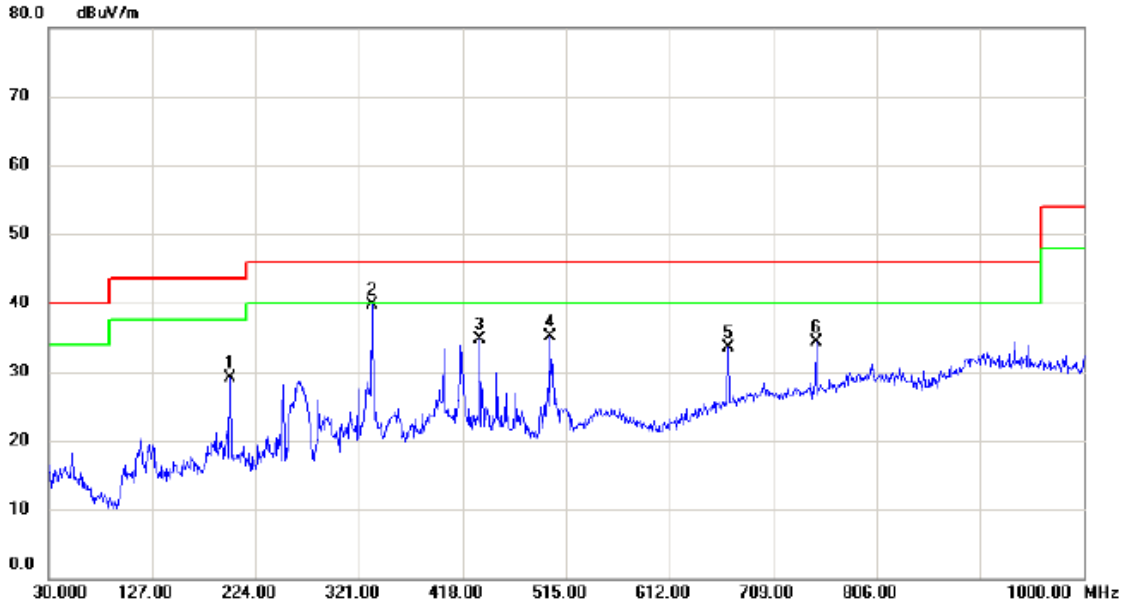
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	37.275	42.16	-14.01	28.15	40.00	-11.85	peak	
2		266.680	34.90	-13.68	21.22	46.00	-24.78	peak	
3		400.055	38.04	-7.78	30.26	46.00	-15.74	peak	
4		499.965	40.92	-9.72	31.20	46.00	-14.80	peak	
5		666.805	36.63	-3.49	33.14	46.00	-12.86	peak	
6		750.225	33.00	-1.96	31.04	46.00	-14.96	peak	

Test Mode:	TX MODE_Adapter: LPL-D006120050ZE

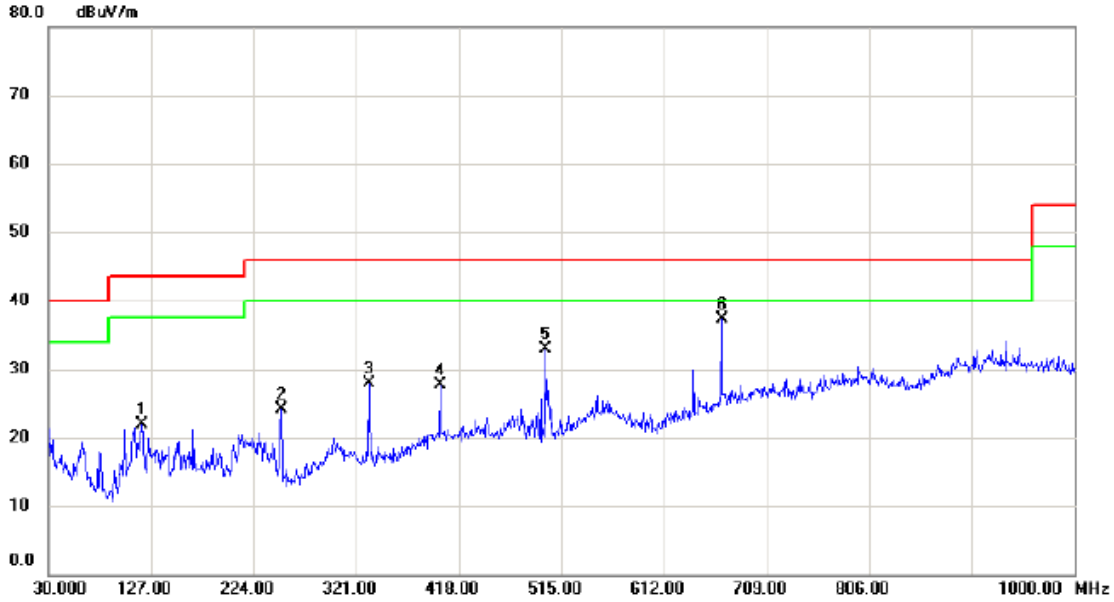
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		200.235	43.64	-14.44	29.20	43.50	-14.30	peak	
2	*	333.125	50.50	-10.86	39.64	46.00	-6.36	peak	
3		434.005	42.62	-7.93	34.69	46.00	-11.31	peak	
4		499.965	44.88	-9.72	35.16	46.00	-10.84	peak	
5		666.805	37.04	-3.49	33.55	46.00	-12.45	peak	
6		750.225	36.21	-1.96	34.25	46.00	-11.75	peak	

Test Mode:	TX MODE_Adapter: MSA-C0500IC12.0-12W-US

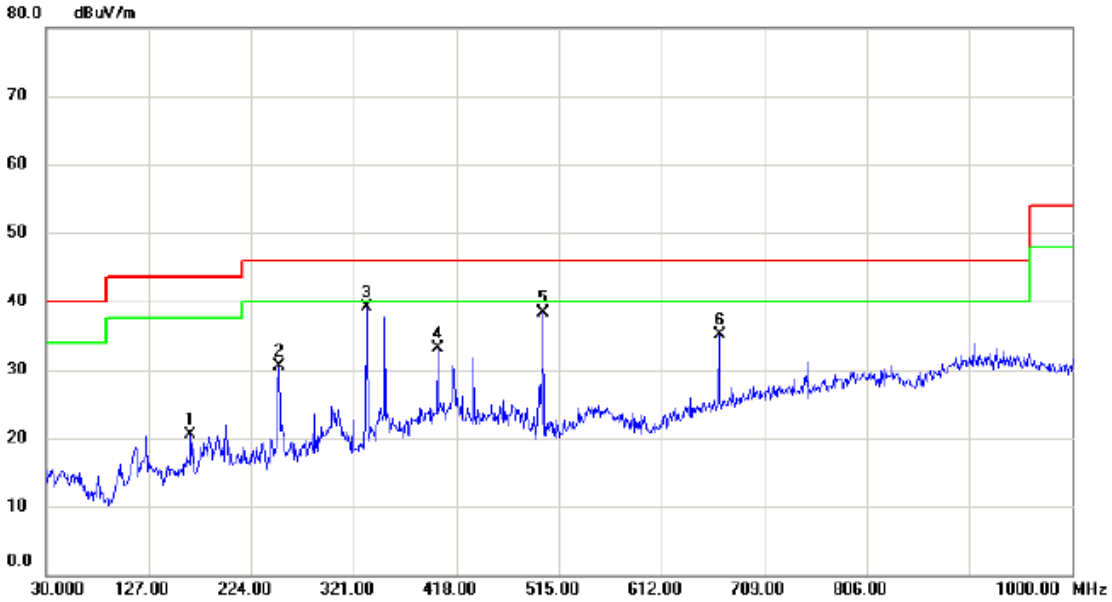
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		118.270	35.58	-13.67	21.91	43.50	-21.59	peak	
2		250.190	38.29	-14.19	24.10	46.00	-21.90	peak	
3		333.125	38.75	-10.86	27.89	46.00	-18.11	peak	
4		400.055	35.40	-7.78	27.62	46.00	-18.38	peak	
5		499.965	42.60	-9.72	32.88	46.00	-13.12	peak	
6	*	666.805	40.70	-3.49	37.21	46.00	-8.79	peak	

Test Mode:	TX MODE_Adapter: MSA-C0500IC12.0-12W-US

Horizontal

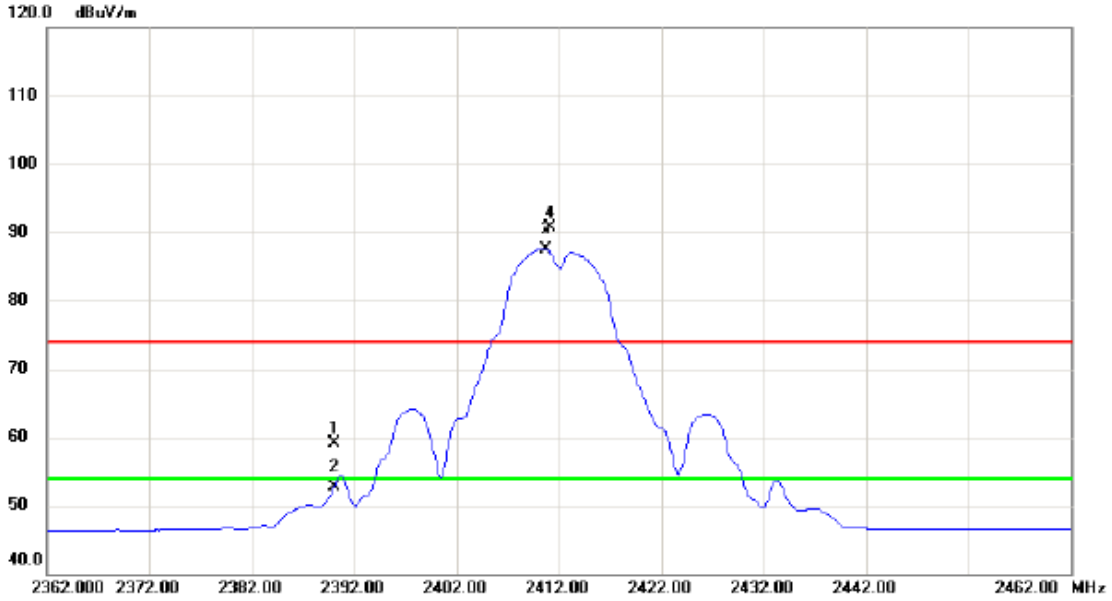


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		166.770	32.64	-12.21	20.43	43.50	-23.07	peak	
2		250.190	44.71	-14.19	30.52	46.00	-15.48	peak	
3	*	333.125	49.94	-10.86	39.08	46.00	-6.92	peak	
4		400.055	40.79	-7.78	33.01	46.00	-12.99	peak	
5		499.965	48.09	-9.72	38.37	46.00	-7.63	peak	
6		666.805	38.56	-3.49	35.07	46.00	-10.93	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode:	TX B MODE 2412MHz

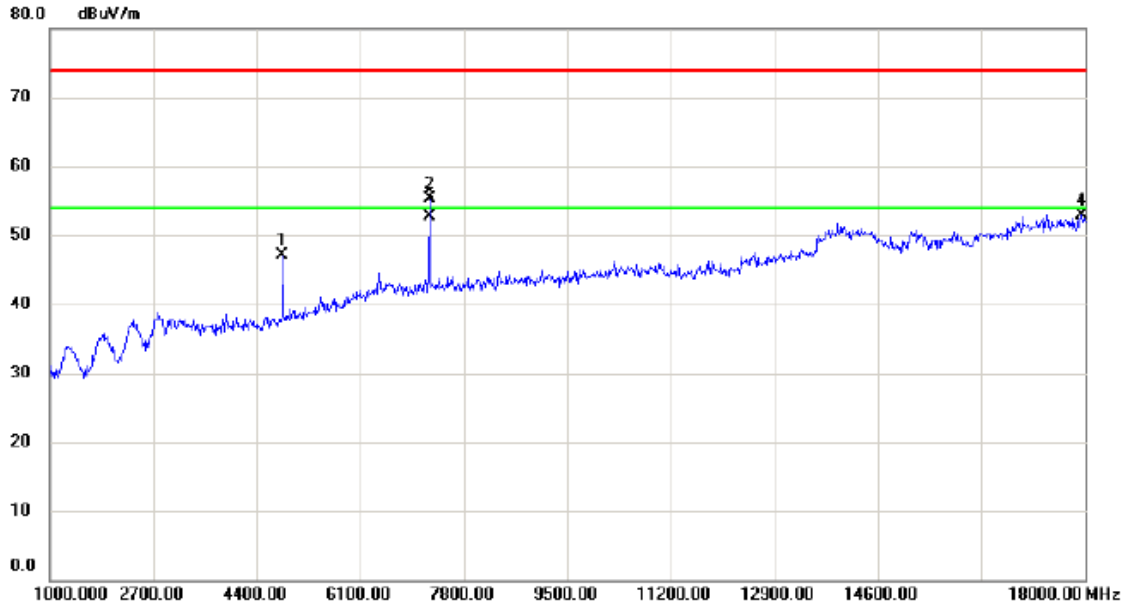
Vertical



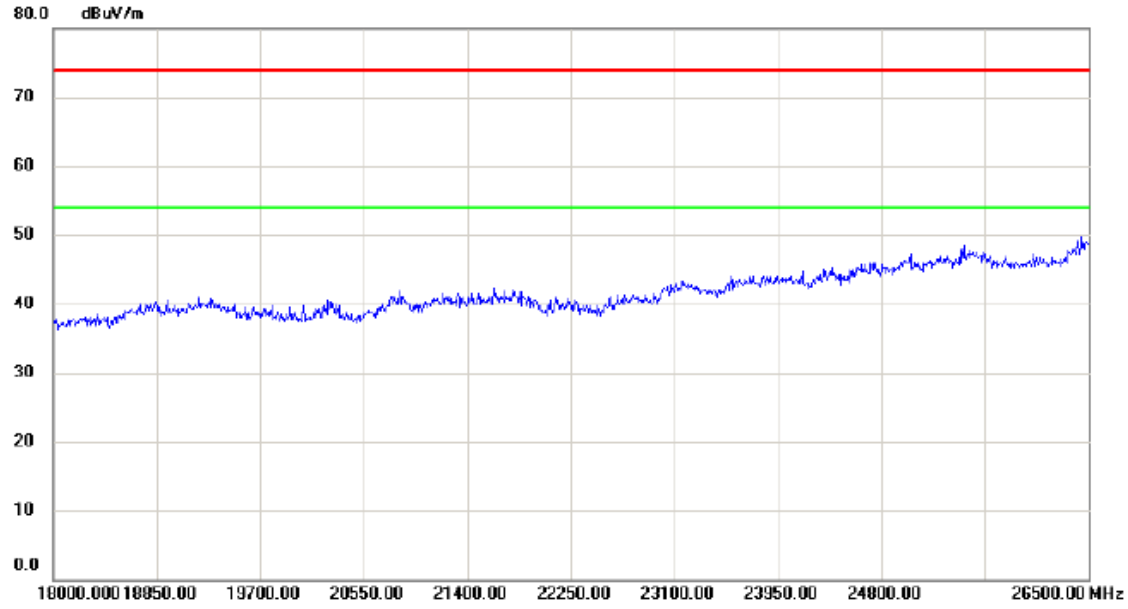
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	26.18	33.01	59.19	74.00	-14.81	peak	
2		2390.000	19.72	33.01	52.73	54.00	-1.27	AVG	
3	*	2410.700	54.44	33.09	87.53	54.00	33.53	AVG	NO LIMIT
4	X	2411.200	57.65	33.10	90.75	74.00	16.75	peak	NO LIMIT

Test Mode:	TX B MODE 2412MHz

Vertical



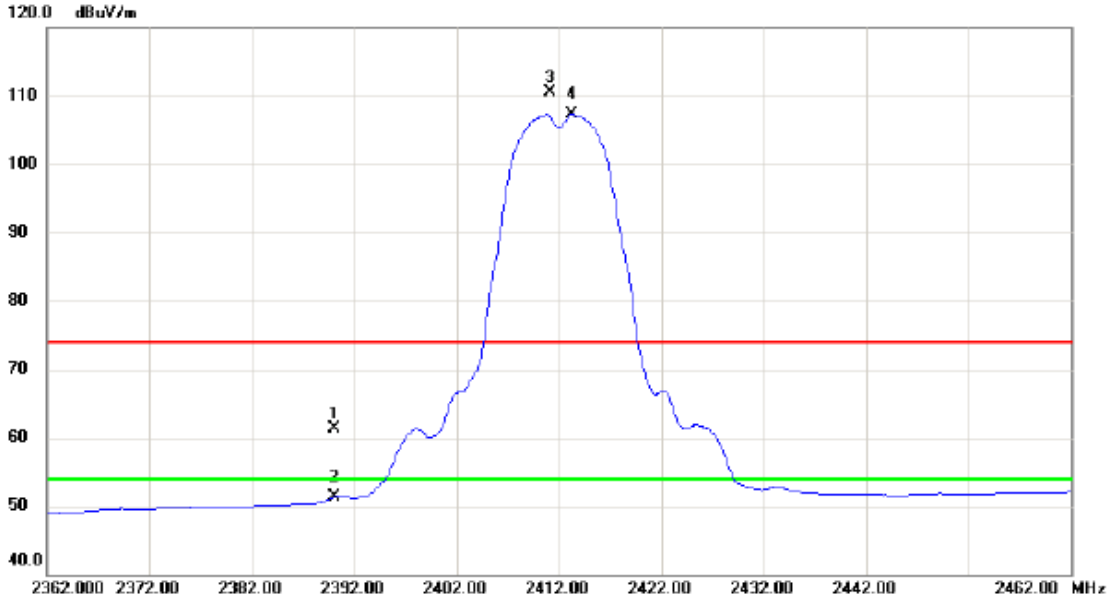
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4825.000	42.19	4.85	47.04	74.00	-26.96	peak	
2		7239.000	43.99	11.23	55.22	74.00	-18.78	peak	
3	*	7239.000	41.50	11.23	52.73	54.00	-1.27	AVG	
4		17949.000	30.36	22.63	52.99	74.00	-21.01	peak	



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

Test Mode:	TX B MODE 2412MHz

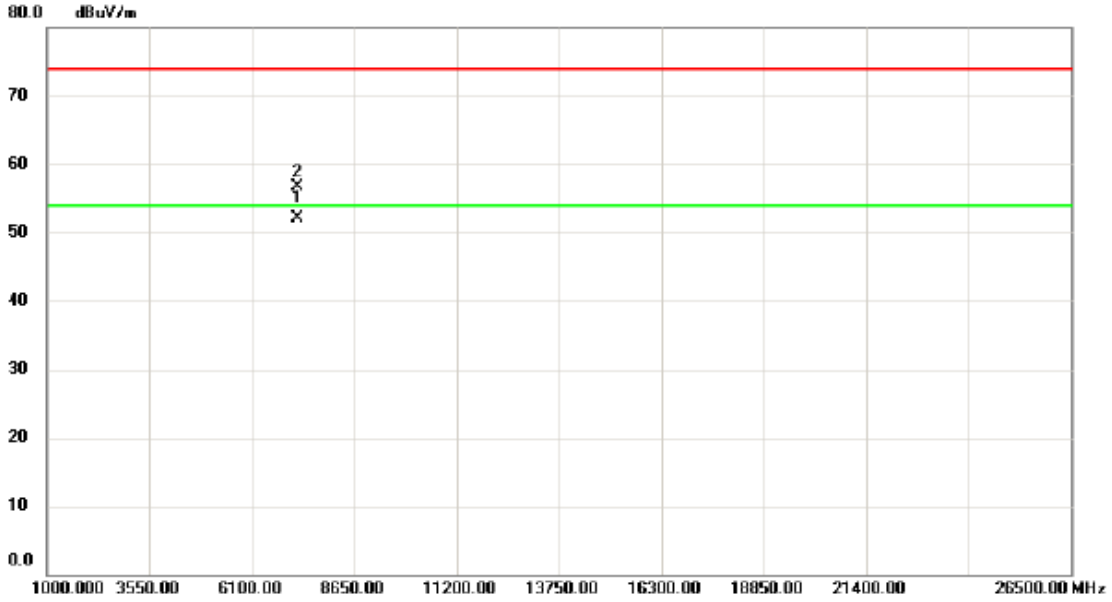
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	28.32	33.01	61.33	74.00	-12.67	peak	
2		2390.000	18.20	33.01	51.21	54.00	-2.79	AVG	
3	X	2411.200	77.47	33.10	110.57	74.00	36.57	peak	No Limit
4	*	2413.300	74.21	33.11	107.32	54.00	53.32	AVG	No Limit

Test Mode:	TX B MODE 2412MHz

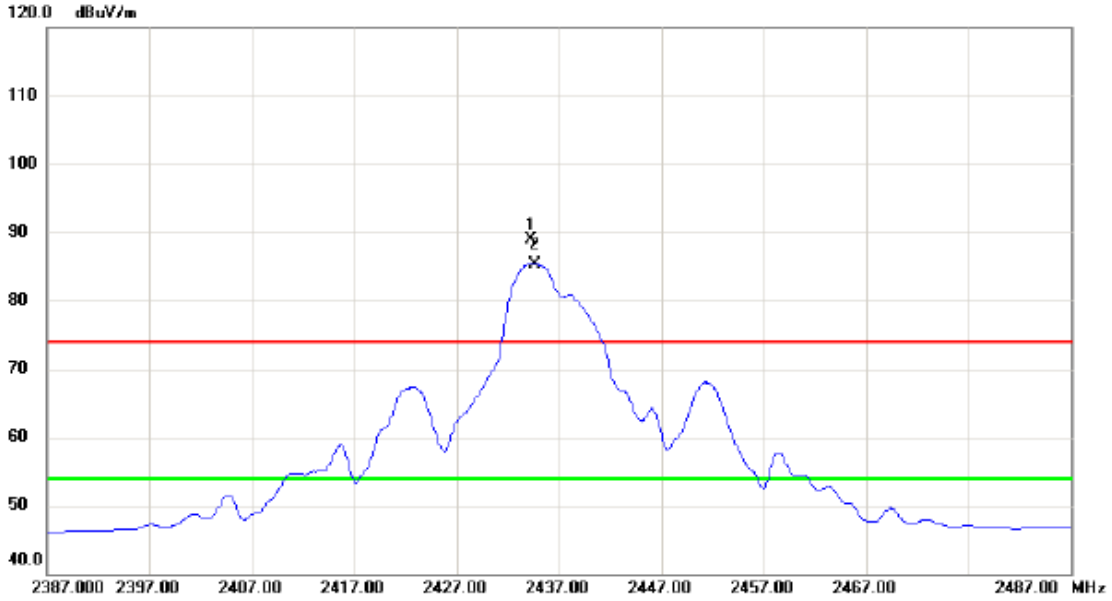
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7234.900	40.85	11.21	52.06	54.00	-1.94	AVG	
2		7235.100	45.52	11.21	56.73	74.00	-17.27	peak	

Test Mode:	TX B MODE 2437MHz

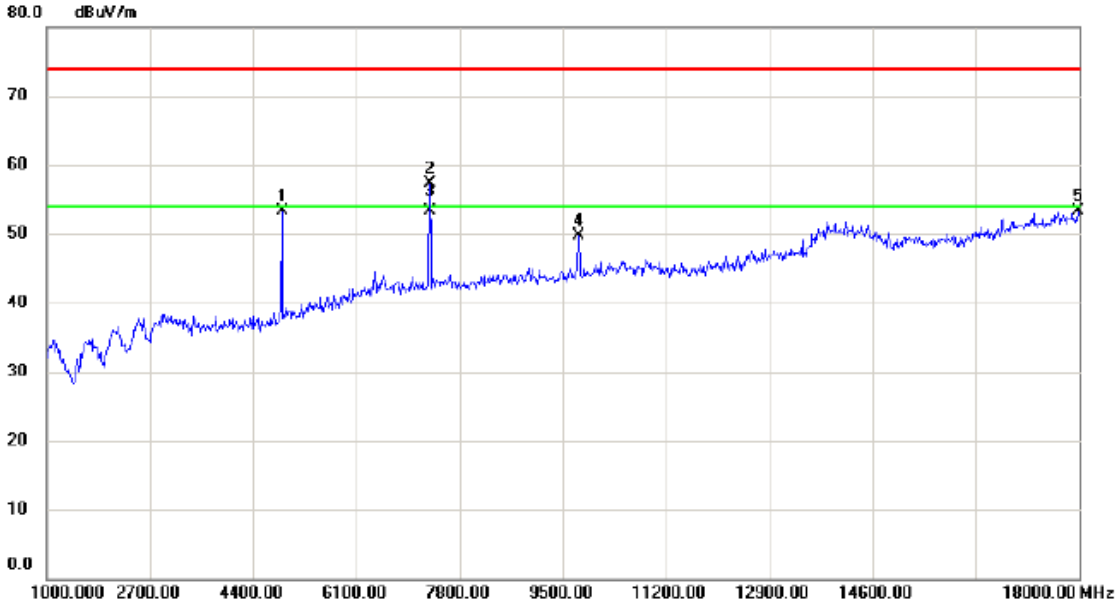
Vertical



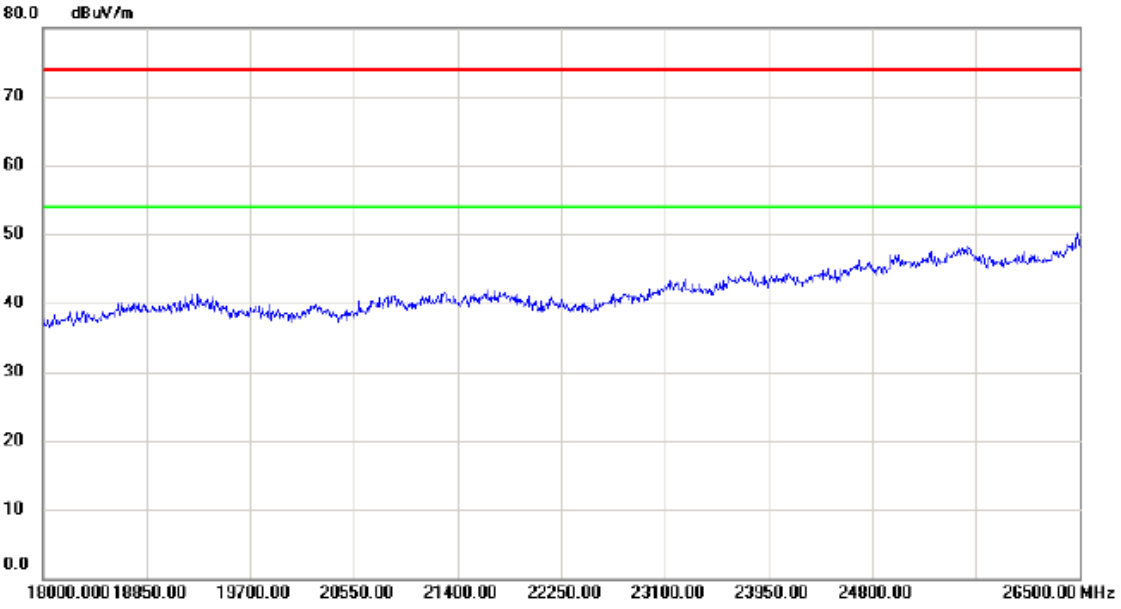
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2434.300	55.79	33.20	88.99	74.00	14.99	peak	NO LIMIT
2	*	2434.700	52.17	33.20	85.37	54.00	31.37	AVG	NO LIMIT

Test Mode:	TX B MODE 2437MHz

Vertical



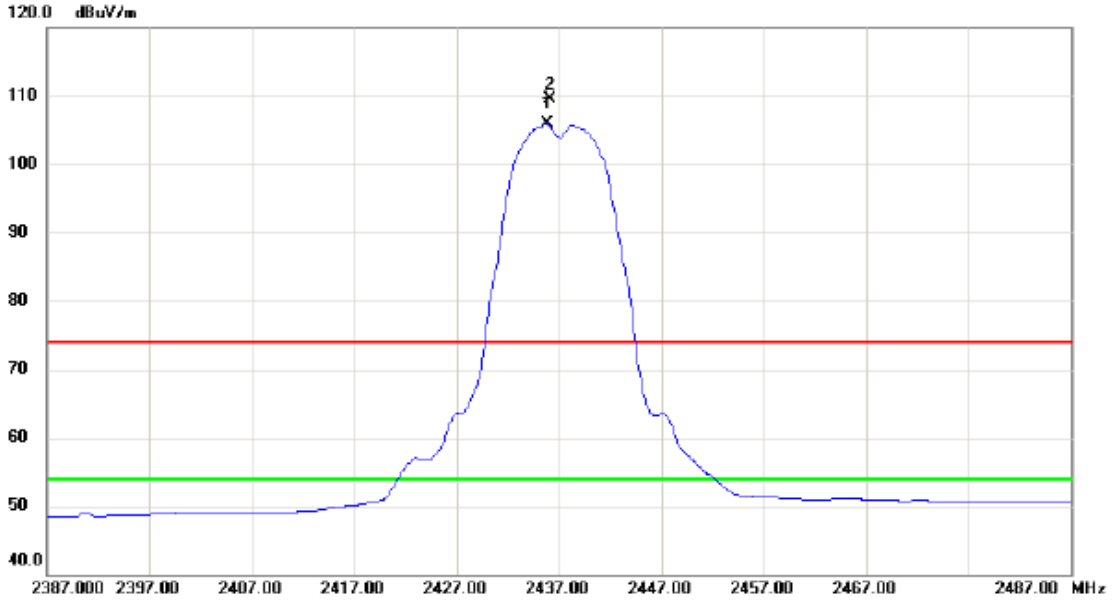
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4876.000	48.20	5.07	53.27	74.00	-20.73	peak	
2		7307.000	45.98	11.36	57.34	74.00	-16.66	peak	
3	*	7310.220	41.85	11.37	53.22	54.00	-0.78	AVG	
4		9755.000	36.05	13.67	49.72	74.00	-24.28	peak	
5		17983.000	30.66	22.68	53.34	74.00	-20.66	peak	



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

Test Mode:	TX B MODE 2437MHz

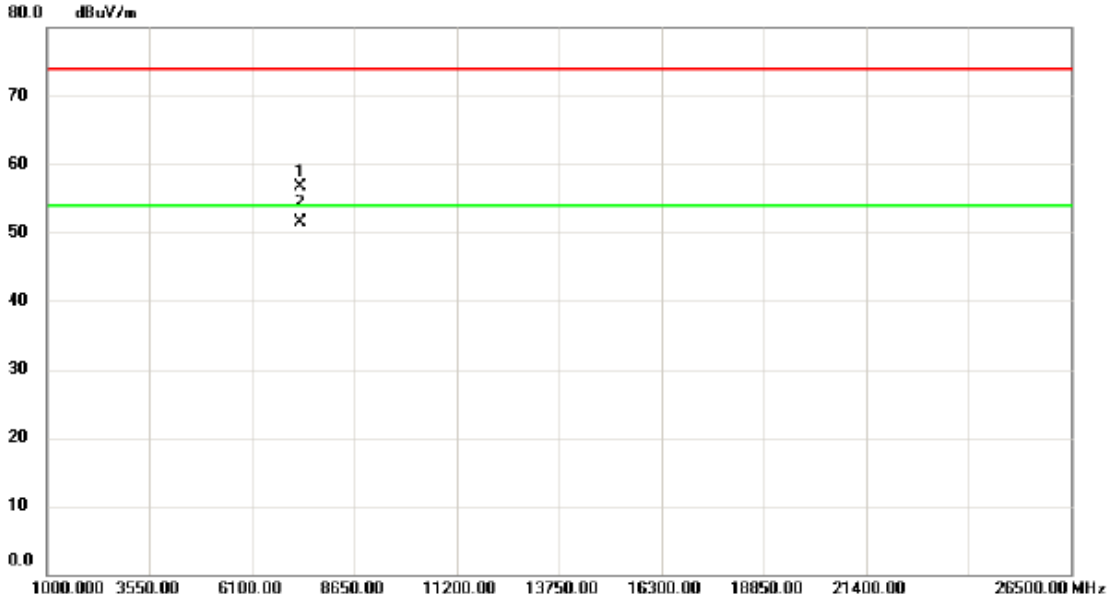
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2435.800	72.68	33.20	105.88	54.00	51.88	AVG	No Limit
2	X	2436.200	76.34	33.21	109.55	74.00	35.55	peak	No Limit

Test Mode:	TX B MODE 2437MHz

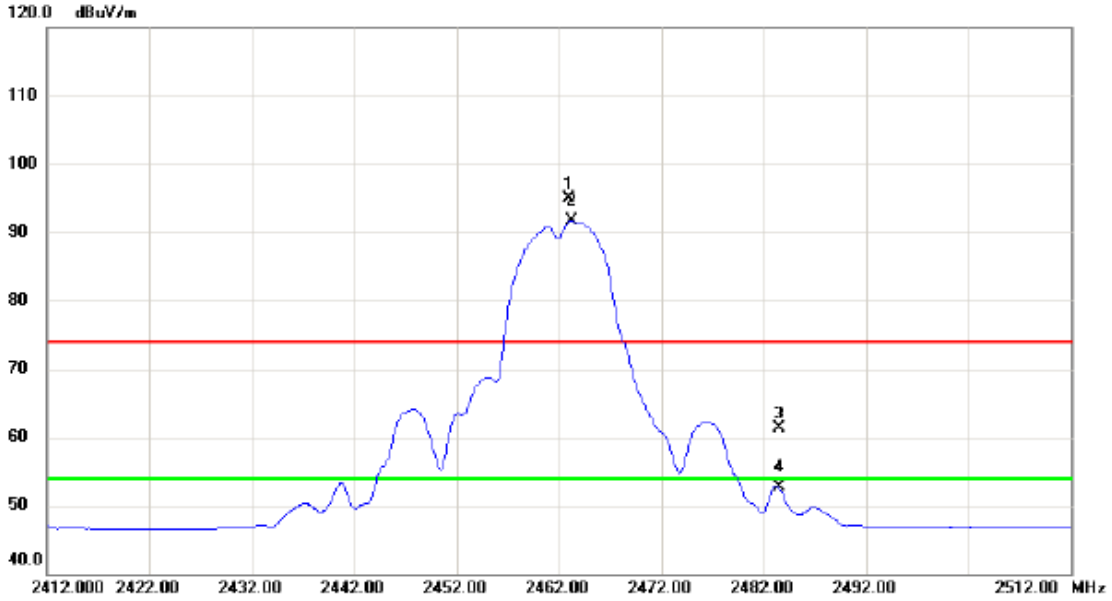
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7310.300	45.30	11.37	56.67	74.00	-17.33	peak	
2	*	7312.200	40.17	11.37	51.54	54.00	-2.46	AVG	

Test Mode:	TX B MODE 2462MHz

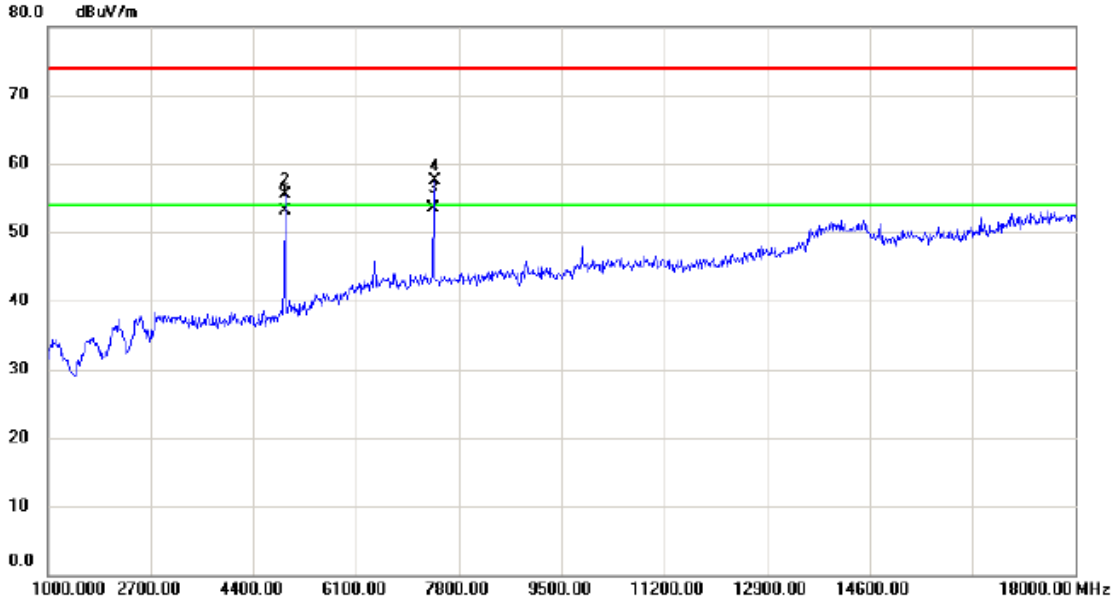
Vertical



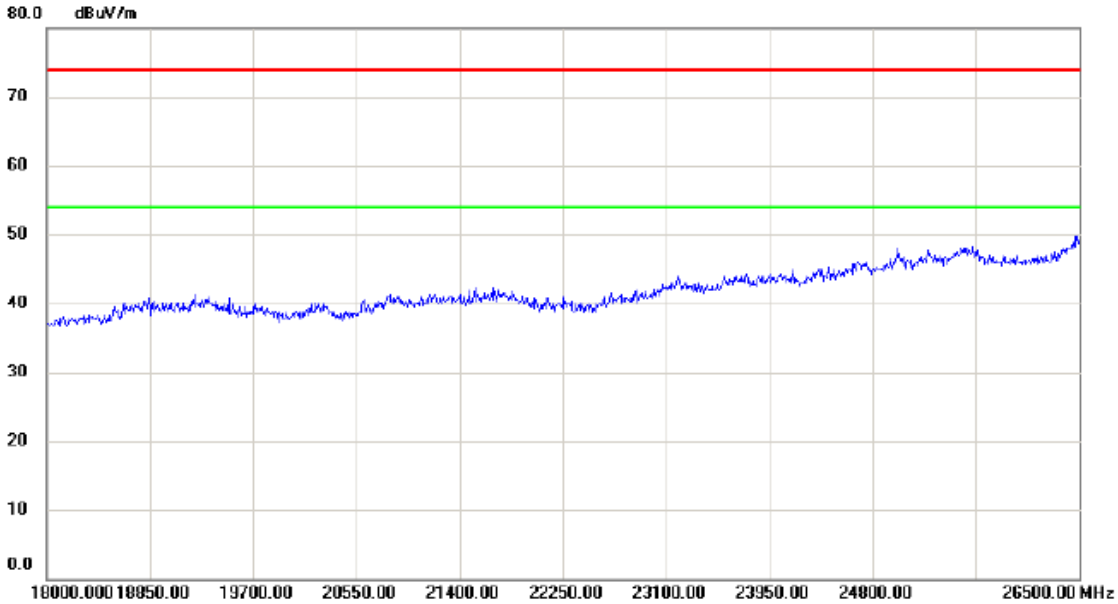
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2462.950	61.52	33.31	94.83	74.00	20.83	peak	NO LIMIT
2	*	2463.250	58.38	33.31	91.69	54.00	37.69	AVG	NO LIMIT
3		2483.500	27.88	33.40	61.28	74.00	-12.72	peak	
4		2483.500	19.36	33.40	52.76	54.00	-1.24	AVG	

Test Mode:	TX B MODE 2462MHz

Vertical



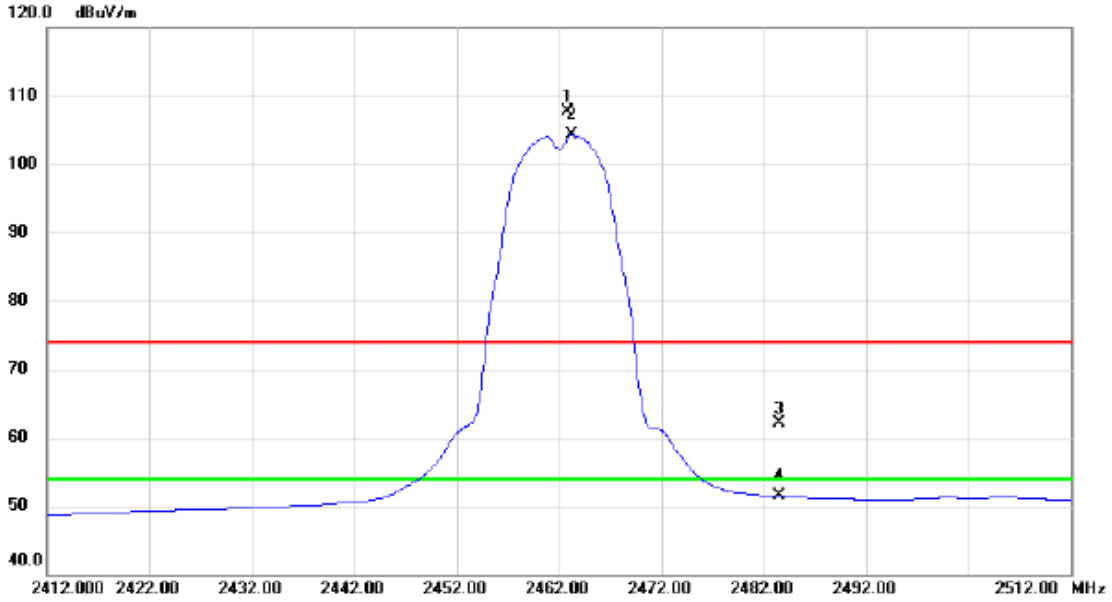
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.040	47.85	5.27	53.12	54.00	-0.88	AVG	
2		4927.000	50.29	5.29	55.58	74.00	-18.42	peak	
3	*	7386.750	41.96	11.52	53.48	54.00	-0.52	AVG	
4		7392.000	45.90	11.53	57.43	74.00	-16.57	peak	



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

Test Mode:	TX B MODE 2462MHz

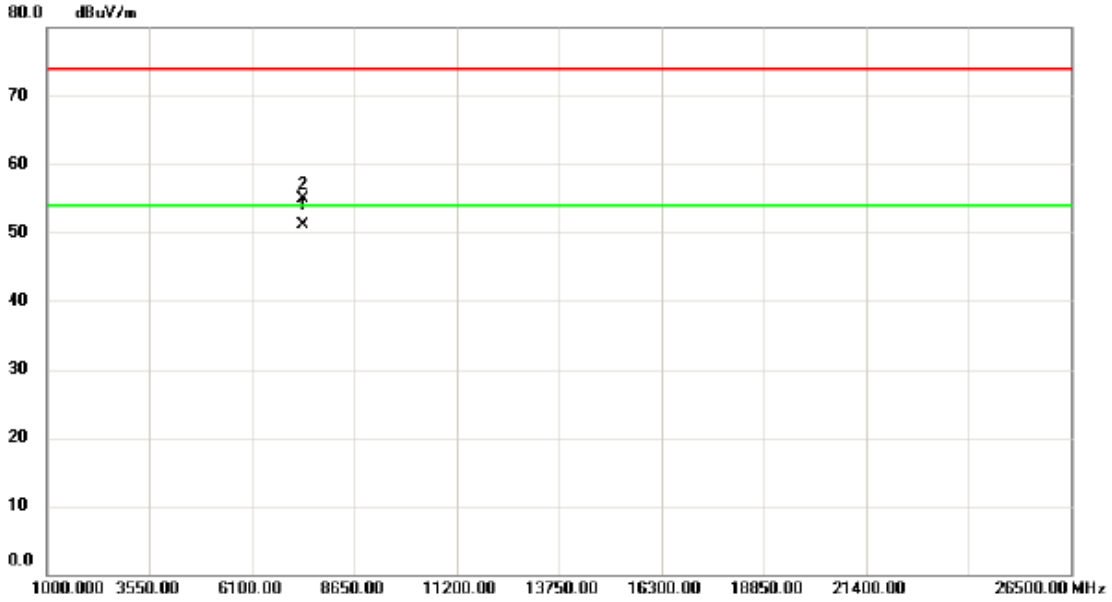
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2462.900	74.37	33.31	107.68	74.00	33.68	peak	No Limit
2	*	2463.300	71.01	33.31	104.32	54.00	50.32	AVG	No Limit
3		2483.500	28.79	33.40	62.19	74.00	-11.81	peak	
4		2483.500	18.05	33.40	51.45	54.00	-2.55	AVG	

Test Mode:	TX B MODE 2462MHz

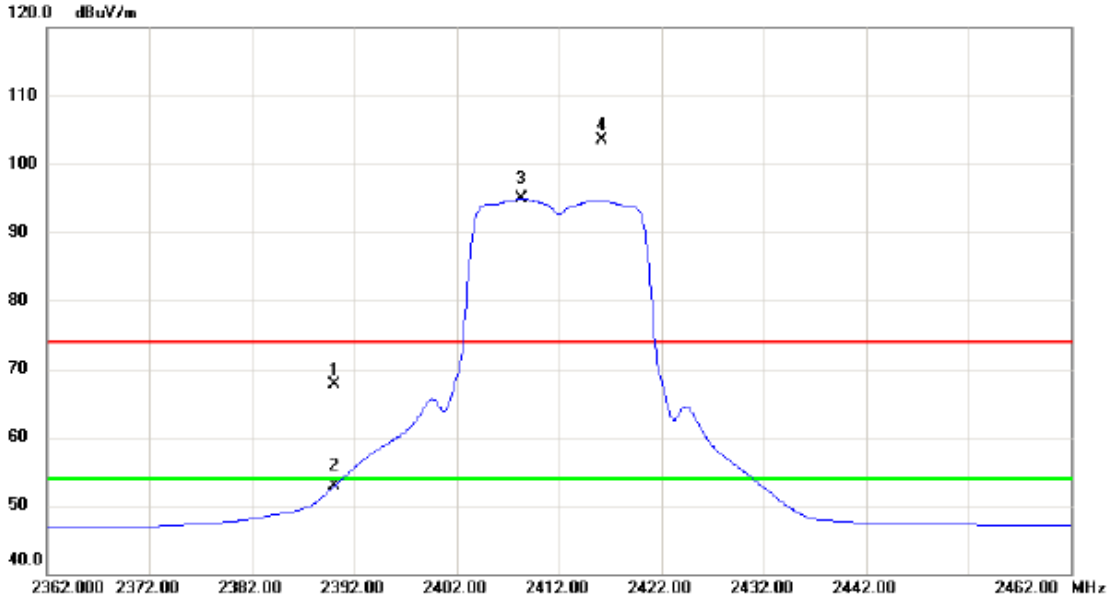
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7385.185	39.53	11.52	51.05	54.00	-2.95	AVG	
2		7385.510	43.47	11.52	54.99	74.00	-19.01	peak	

Test Mode:	TX G MODE 2412MHz

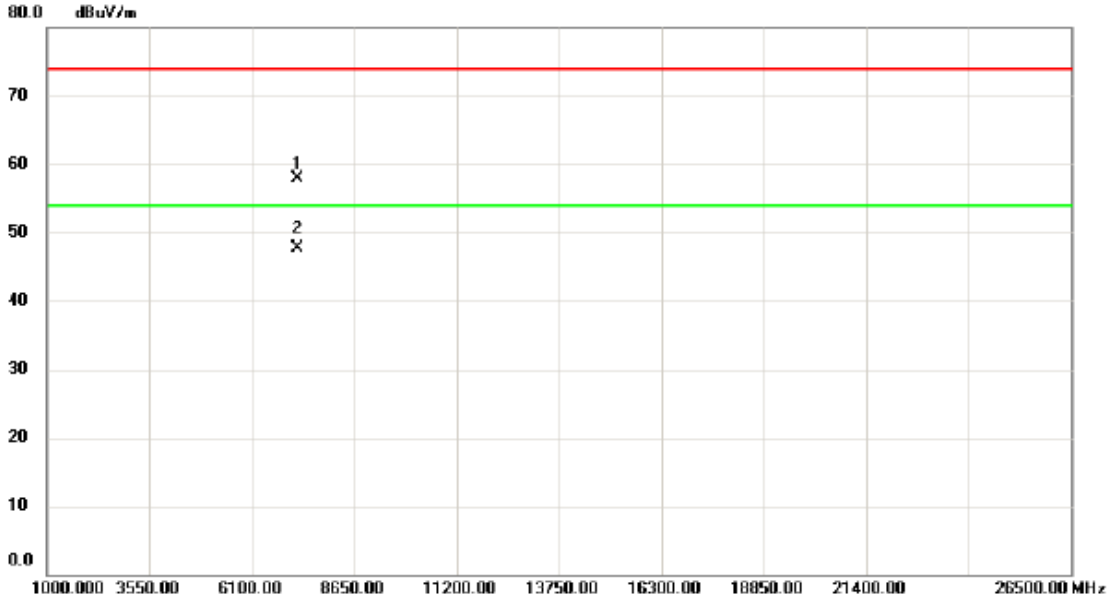
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	34.61	33.01	67.62	74.00	-6.38	peak	
2		2390.000	19.82	33.01	52.83	54.00	-1.17	AVG	
3	*	2408.300	61.81	33.09	94.90	54.00	40.90	AVG	NO LIMIT
4	X	2416.200	70.39	33.12	103.51	74.00	29.51	peak	NO LIMIT

Test Mode:	TX G MODE 2412MHz

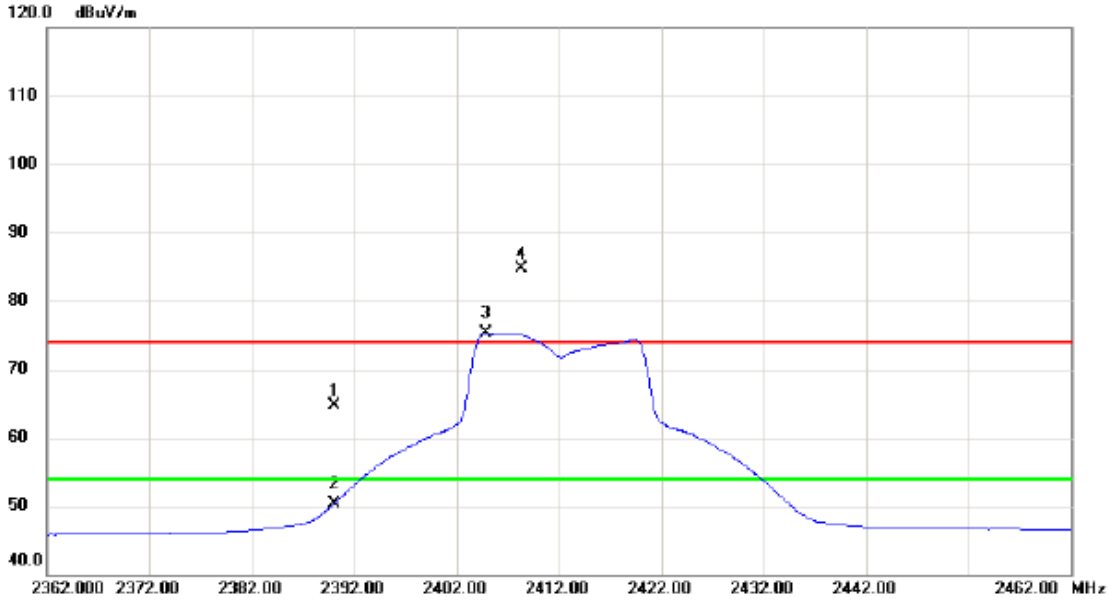
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7233.700	46.65	11.21	57.86	74.00	-16.14	peak	
2	*	7233.950	36.44	11.21	47.65	54.00	-6.35	AVG	

Test Mode:	TX G MODE 2412MHz

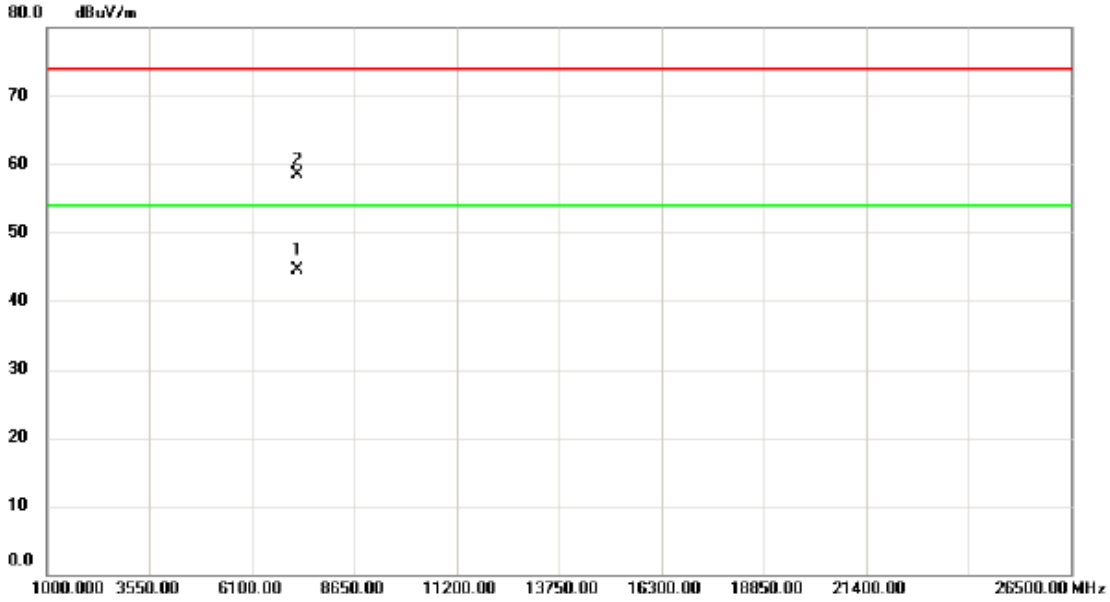
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	31.76	33.01	64.77	74.00	-9.23	peak	
2		2390.000	17.23	33.01	50.24	54.00	-3.76	AVG	
3	*	2404.800	42.27	33.08	75.35	54.00	21.35	AVG	No Limit
4	X	2408.300	51.70	33.09	84.79	74.00	10.79	peak	No Limit

Test Mode:	TX G MODE 2412MHz

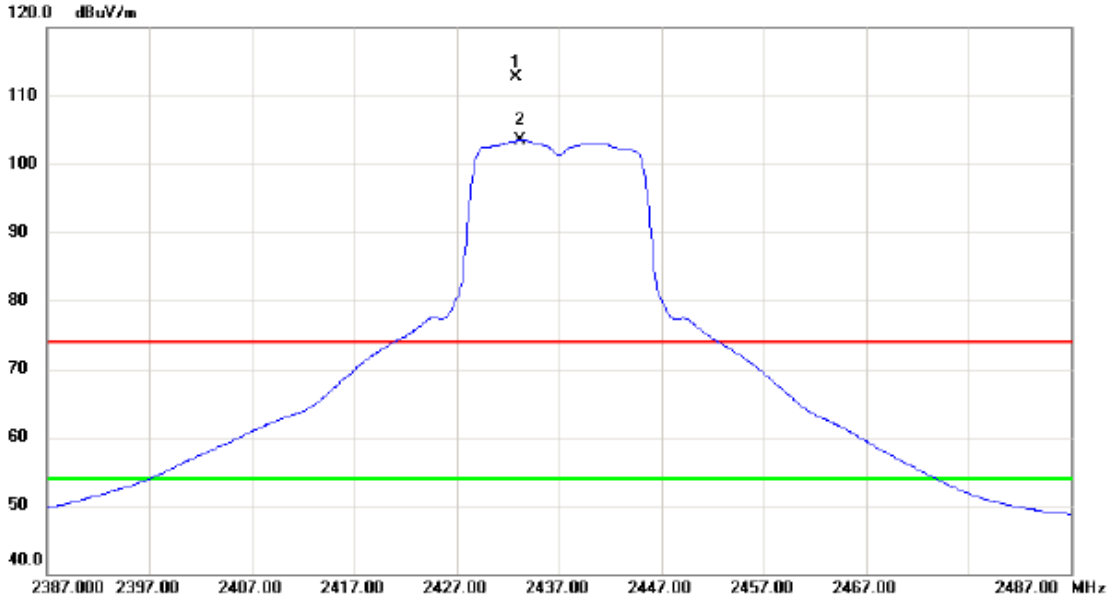
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7235.900	33.33	11.21	44.54	54.00	-9.46	AVG	
2		7243.800	47.28	11.23	58.51	74.00	-15.49	peak	

Test Mode:	TX G MODE 2437MHz

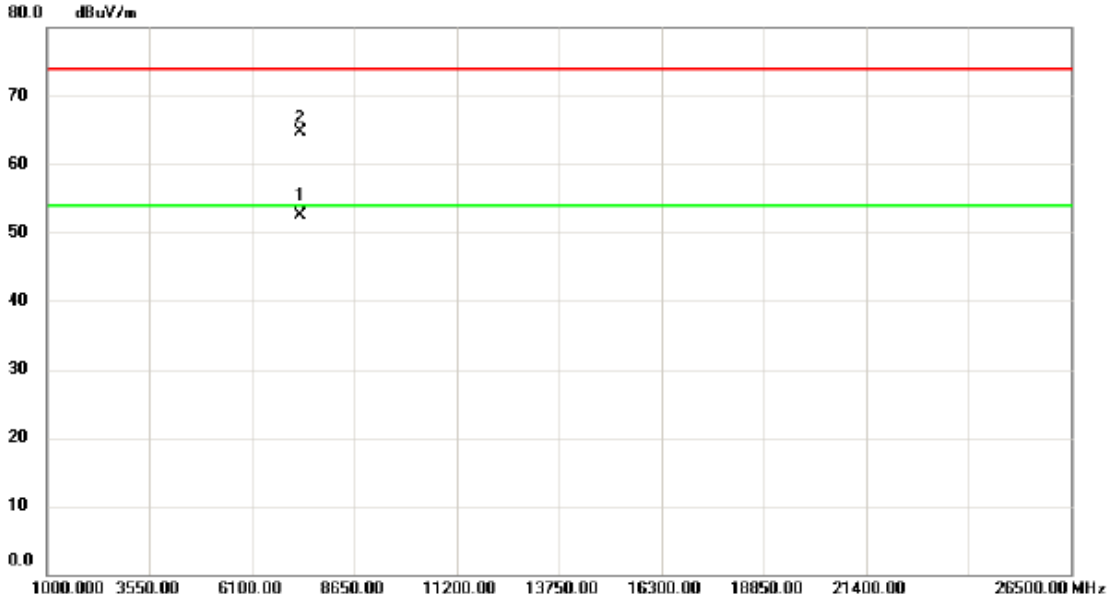
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2432.750	79.59	33.18	112.77	74.00	38.77	peak	NO LIMIT
2	*	2433.250	70.27	33.19	103.46	54.00	49.46	AVG	NO LIMIT

Test Mode:	TX G MODE 2437MHz

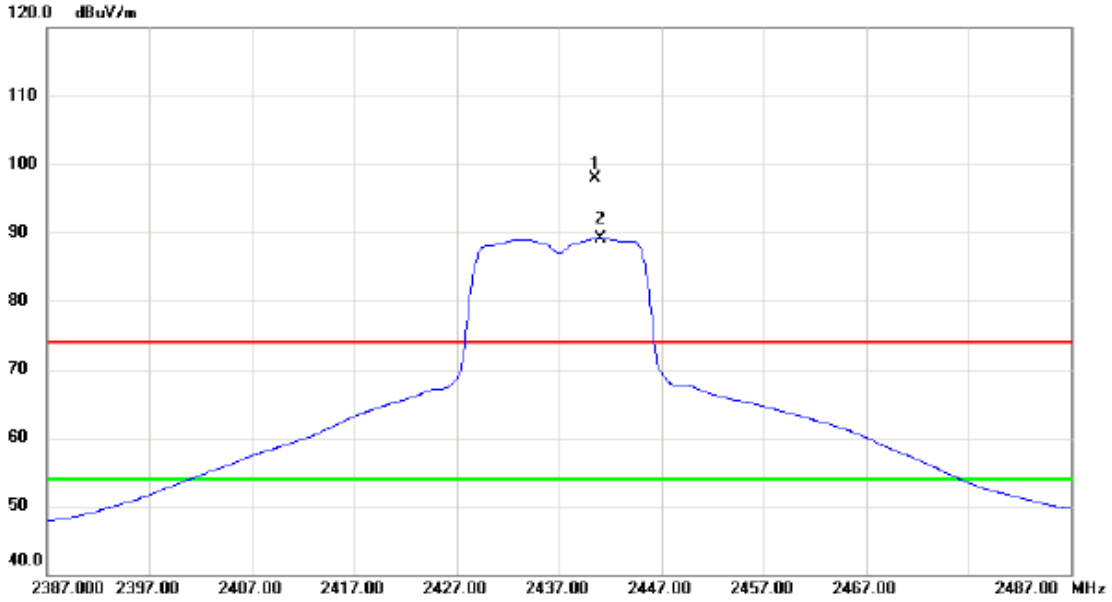
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7309.350	41.22	11.36	52.58	54.00	-1.42	AVG	
2		7311.050	53.24	11.37	64.61	74.00	-9.39	peak	

Test Mode:	TX G MODE 2437MHz

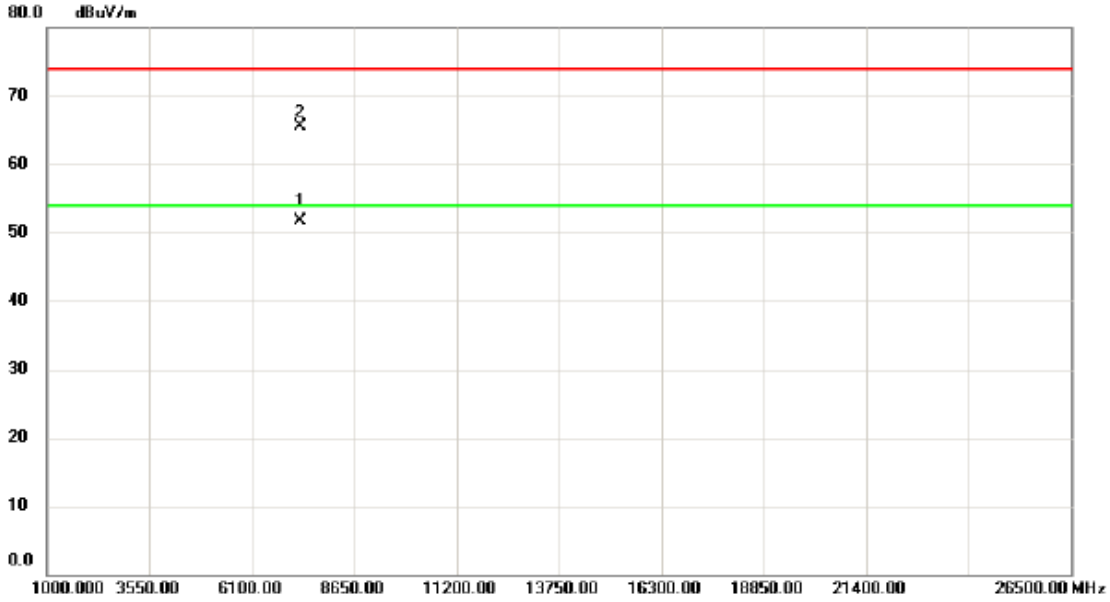
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2440.600	64.60	33.22	97.82	74.00	23.82	peak	No Limit
2	*	2441.000	55.90	33.22	89.12	54.00	35.12	AVG	No Limit

Test Mode:	TX G MODE 2437MHz

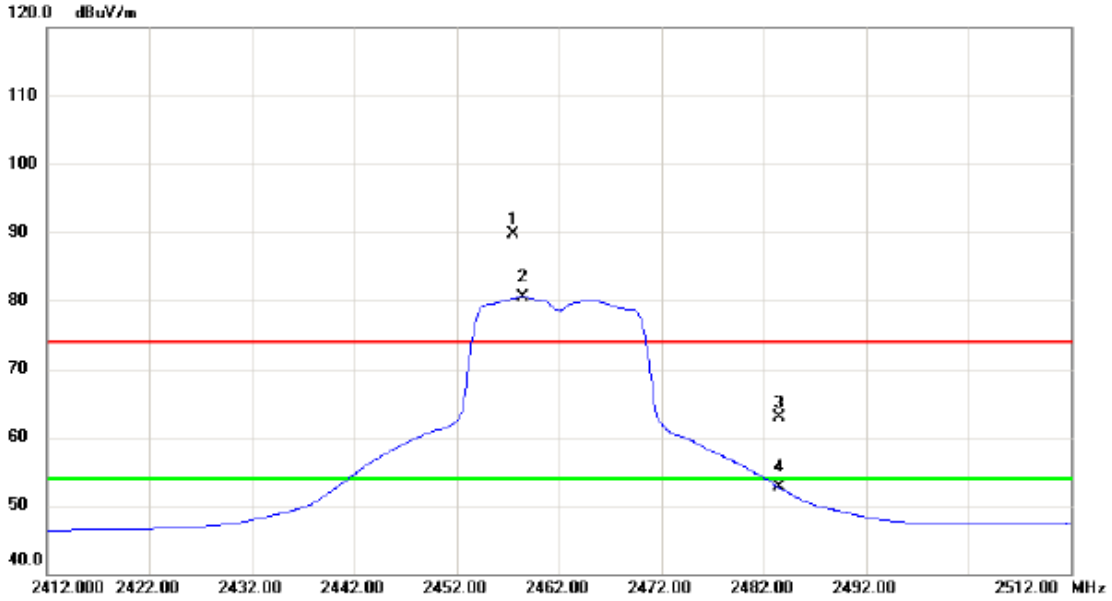
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7310.700	40.24	11.37	51.61	54.00	-2.39	AVG	
2		7316.300	54.21	11.38	65.59	74.00	-8.41	peak	

Test Mode:	TX G MODE 2462MHz

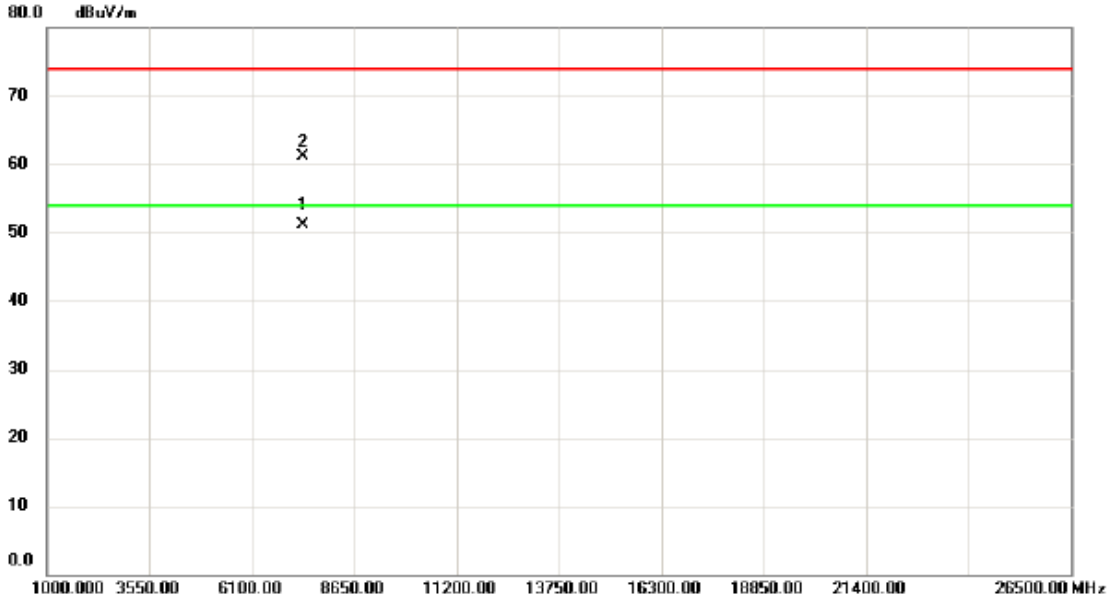
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2457.550	56.48	33.29	89.77	74.00	15.77	peak	NO LIMIT
2	*	2458.400	47.18	33.30	80.48	54.00	26.48	AVG	NO LIMIT
3		2483.500	29.43	33.40	62.83	74.00	-11.17	peak	
4		2483.500	19.28	33.40	52.68	54.00	-1.32	AVG	

Test Mode:	TX G MODE 2462MHz

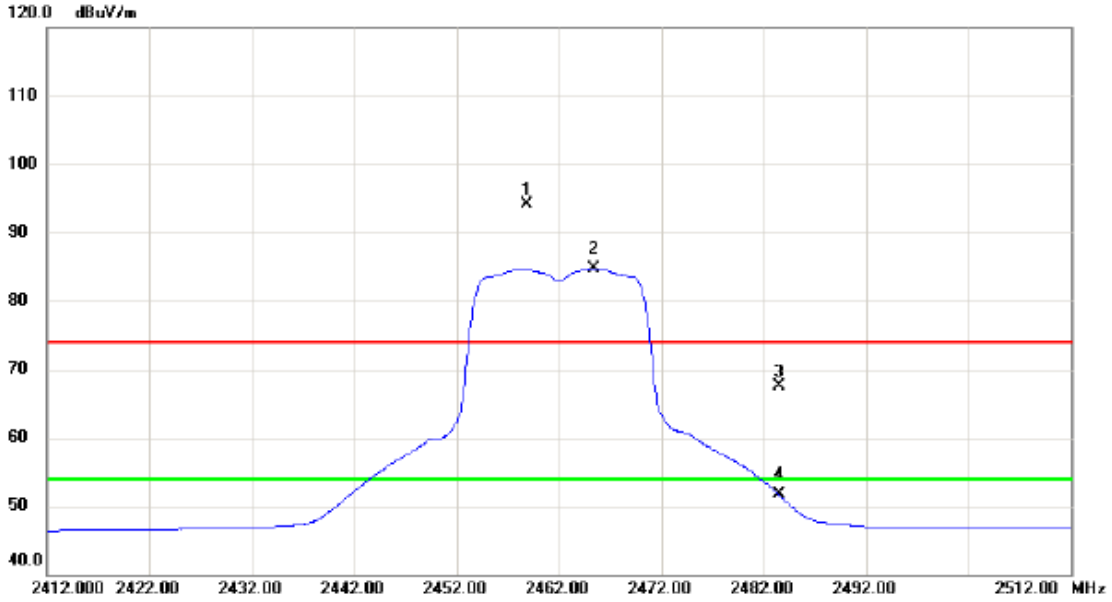
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7383.850	39.69	11.51	51.20	54.00	-2.80	AVG	
2		7385.050	49.52	11.52	61.04	74.00	-12.96	peak	

Test Mode:	TX G MODE 2462MHz

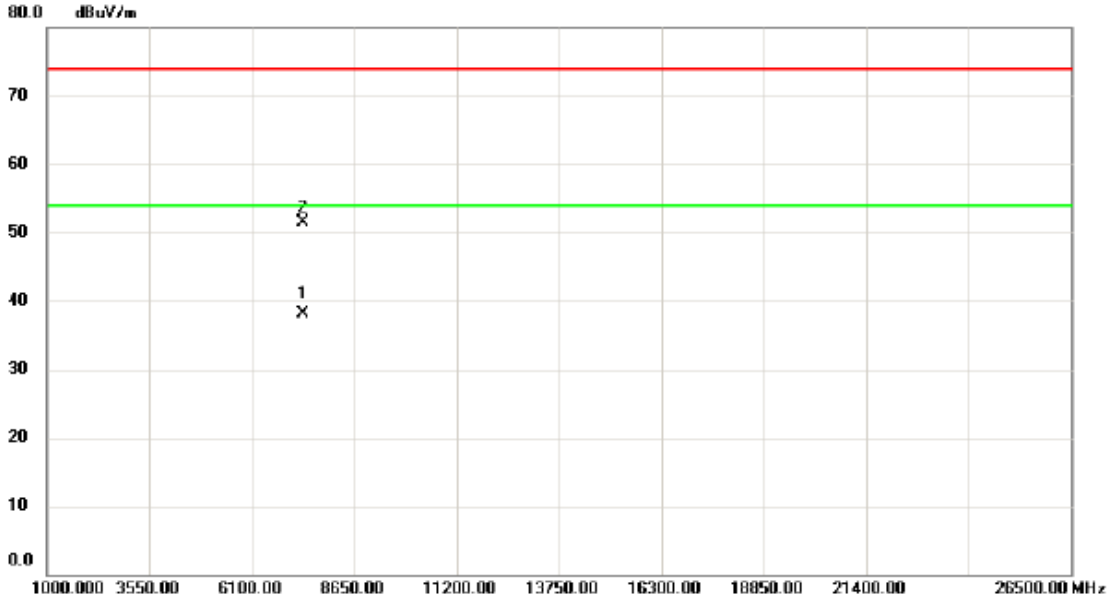
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.900	60.79	33.30	94.09	74.00	20.09	peak	No Limit
2	*	2465.400	51.35	33.33	84.68	54.00	30.68	AVG	No Limit
3		2483.500	34.19	33.40	67.59	74.00	-6.41	peak	
4		2483.500	18.20	33.40	51.60	54.00	-2.40	AVG	

Test Mode:	TX G MODE 2462MHz

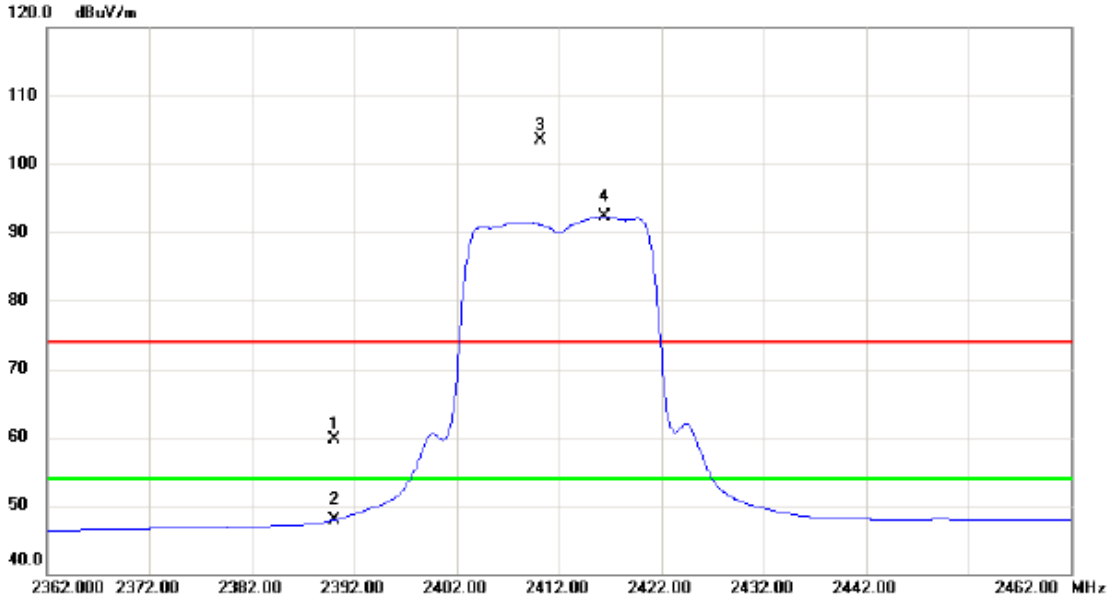
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7384.400	26.65	11.52	38.17	54.00	-15.83	AVG	
2		7385.800	39.94	11.52	51.46	74.00	-22.54	peak	

Test Mode:	TX N-20M MODE 2412MHz

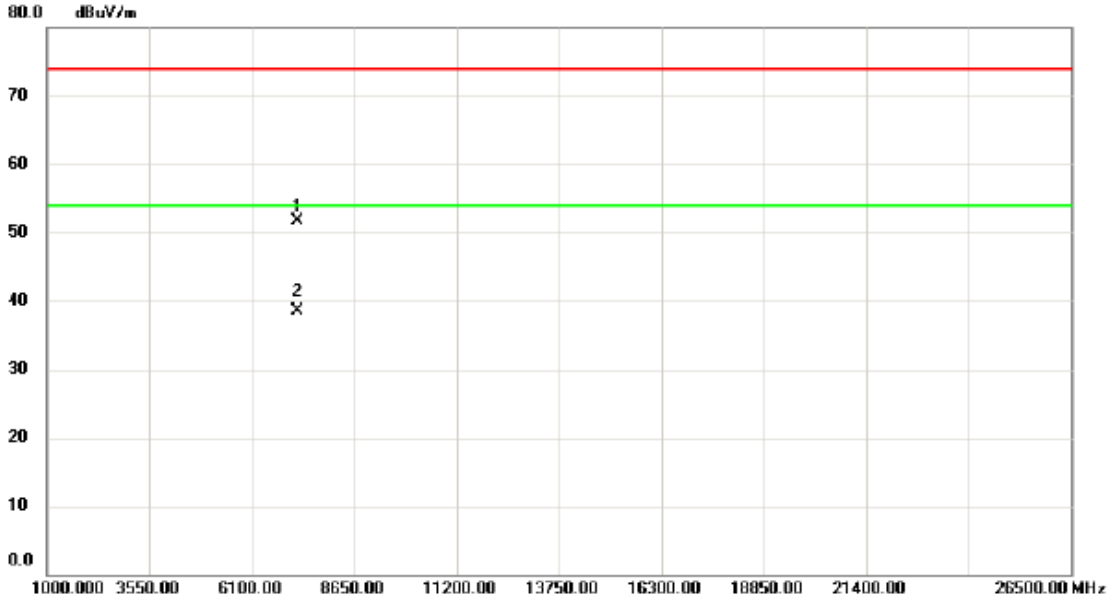
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	26.66	33.01	59.67	74.00	-14.33	peak	
2		2390.000	14.89	33.01	47.90	54.00	-6.10	AVG	
3	X	2410.200	70.34	33.09	103.43	74.00	29.43	peak	No Limit
4	*	2416.500	59.22	33.12	92.34	54.00	38.34	AVG	No Limit

Test Mode:	TX N-20M MODE 2412MHz

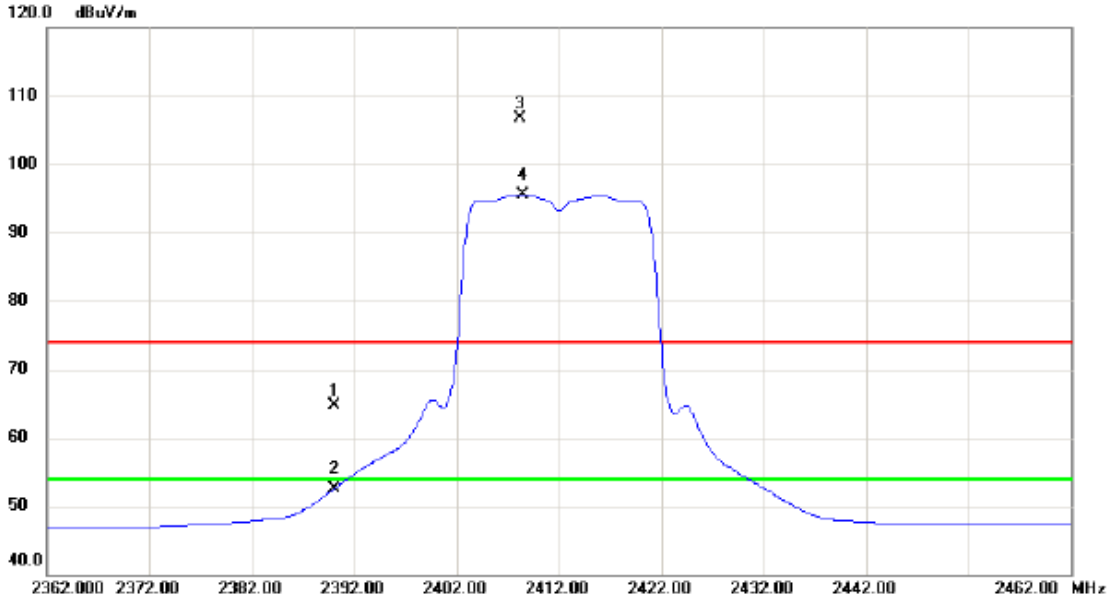
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7226.547	40.57	11.20	51.77	74.00	-22.23	peak	
2	*	7234.154	27.28	11.21	38.49	54.00	-15.51	AVG	

Test Mode:	TX N-20M MODE 2412MHz

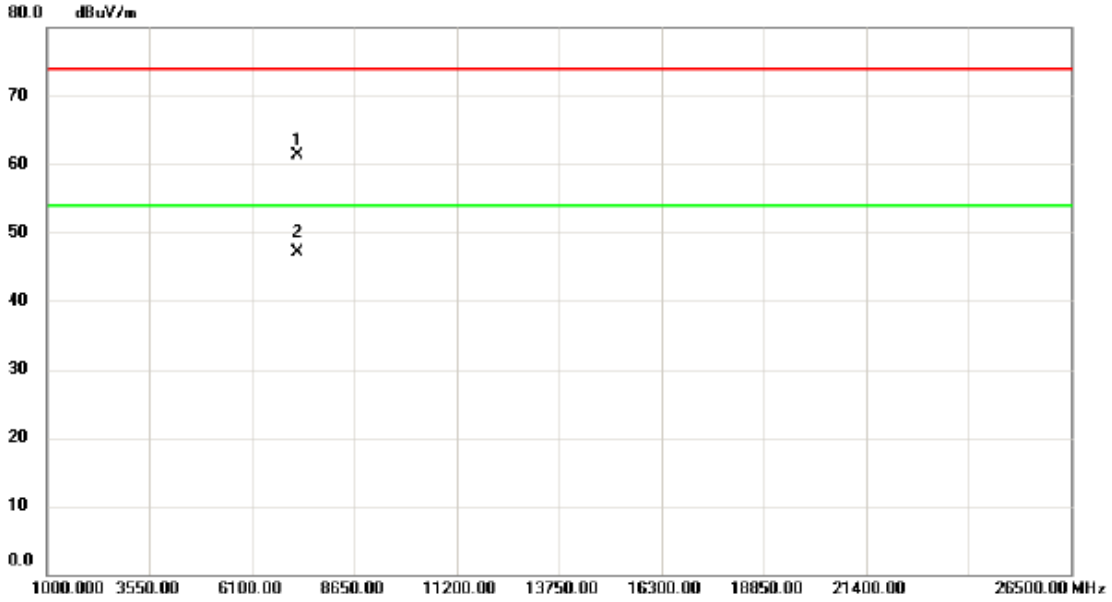
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	31.64	33.01	64.65	74.00	-9.35	peak	
2		2390.000	19.53	33.01	52.54	54.00	-1.46	AVG	
3	X	2408.200	73.62	33.09	106.71	74.00	32.71	peak	NO LIMIT
4	*	2408.400	62.47	33.09	95.56	54.00	41.56	AVG	NO LIMIT

Test Mode:	TX N-20M MODE 2412MHz

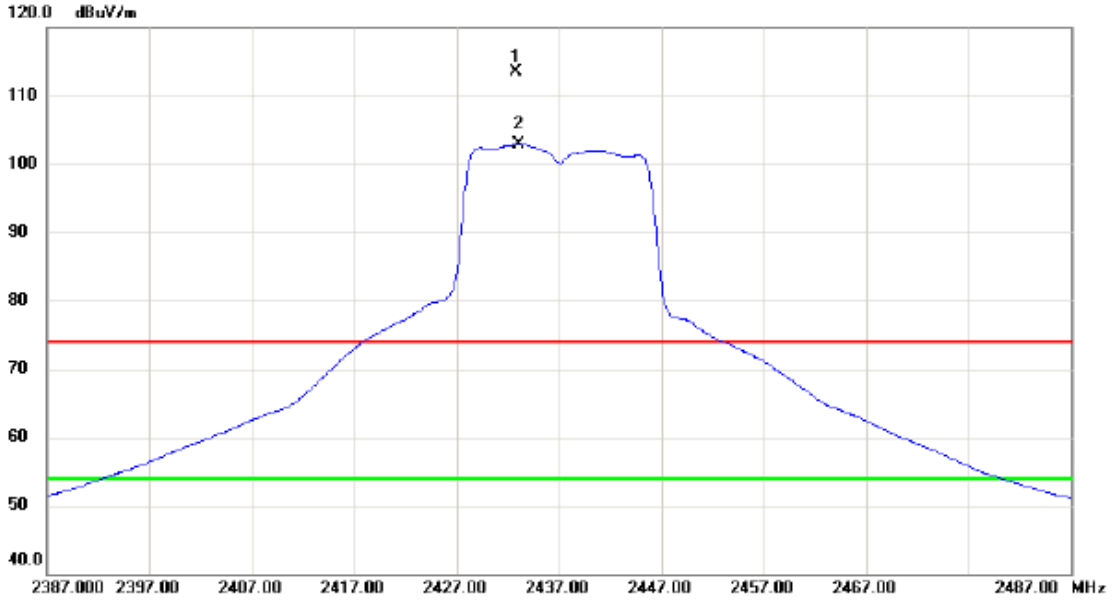
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7234.450	50.04	11.21	61.25	74.00	-12.75	peak	
2	*	7235.100	35.85	11.21	47.06	54.00	-6.94	AVG	

Test Mode:	TX N-20M MODE 2437MHz

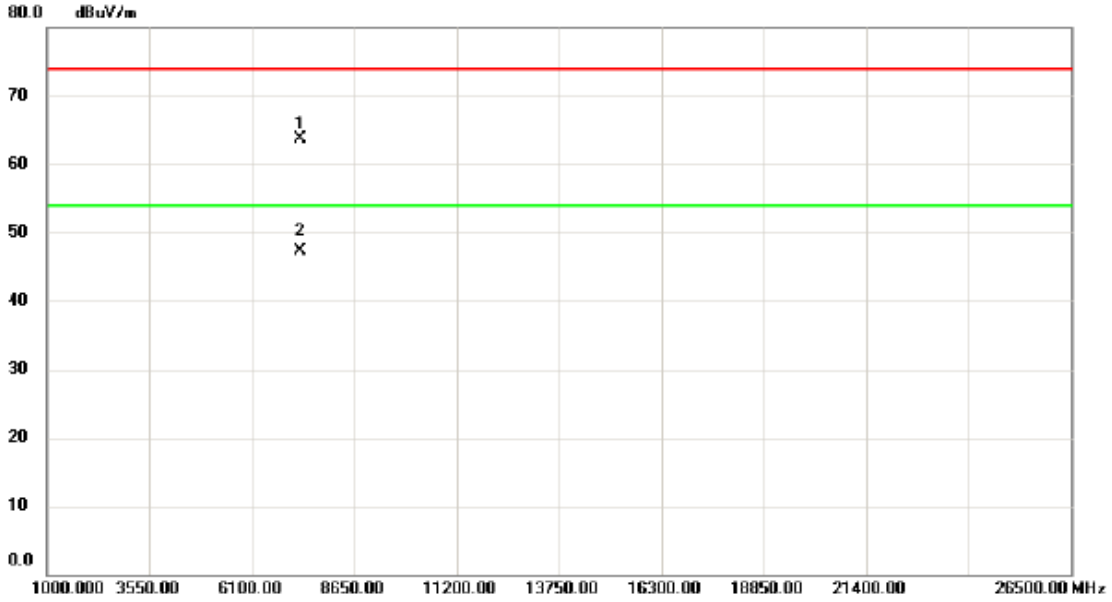
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2432.800	80.26	33.18	113.44	74.00	39.44	peak	NO LIMIT
2	*	2433.050	69.69	33.19	102.88	54.00	48.88	AVG	NO LIMIT

Test Mode:	TX N-20M MODE 2437MHz

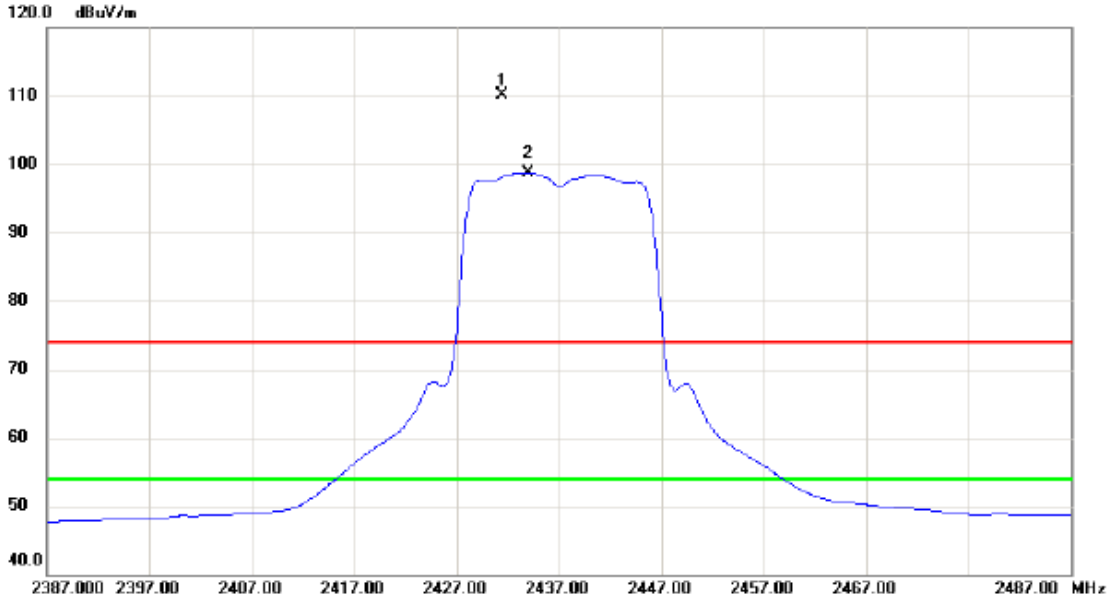
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7311.333	52.32	11.37	63.69	74.00	-10.31	peak	
2	*	7311.785	35.89	11.37	47.26	54.00	-6.74	AVG	

Test Mode:	TX N-20M MODE 2437MHz

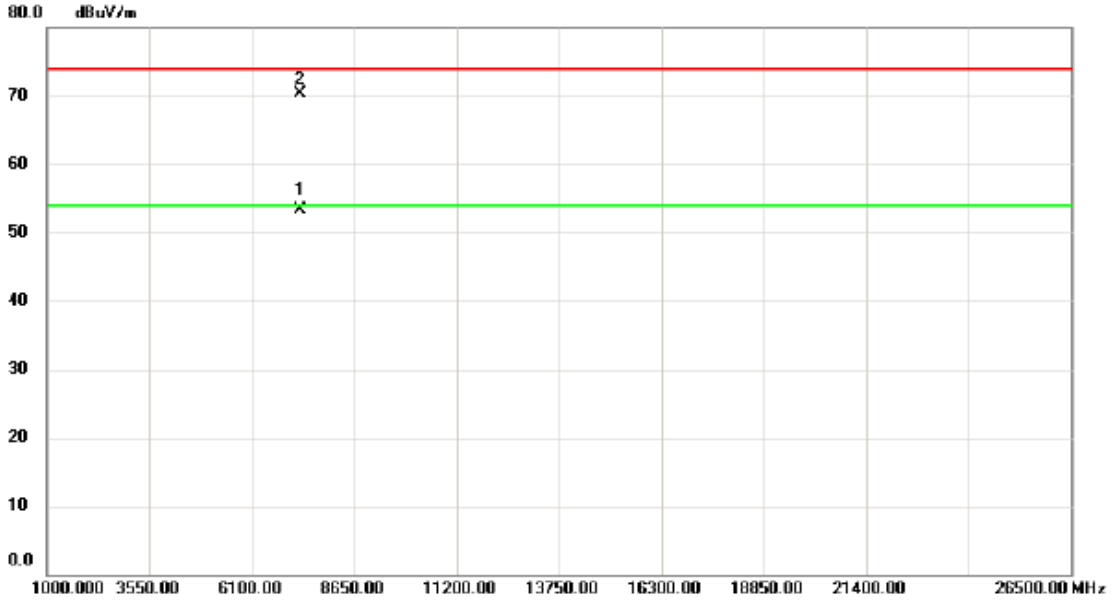
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2431.500	76.94	33.18	110.12	74.00	36.12	peak	No Limit
2	*	2434.000	65.57	33.20	98.77	54.00	44.77	AVG	No Limit

Test Mode:	TX N-20M MODE 2437MHz

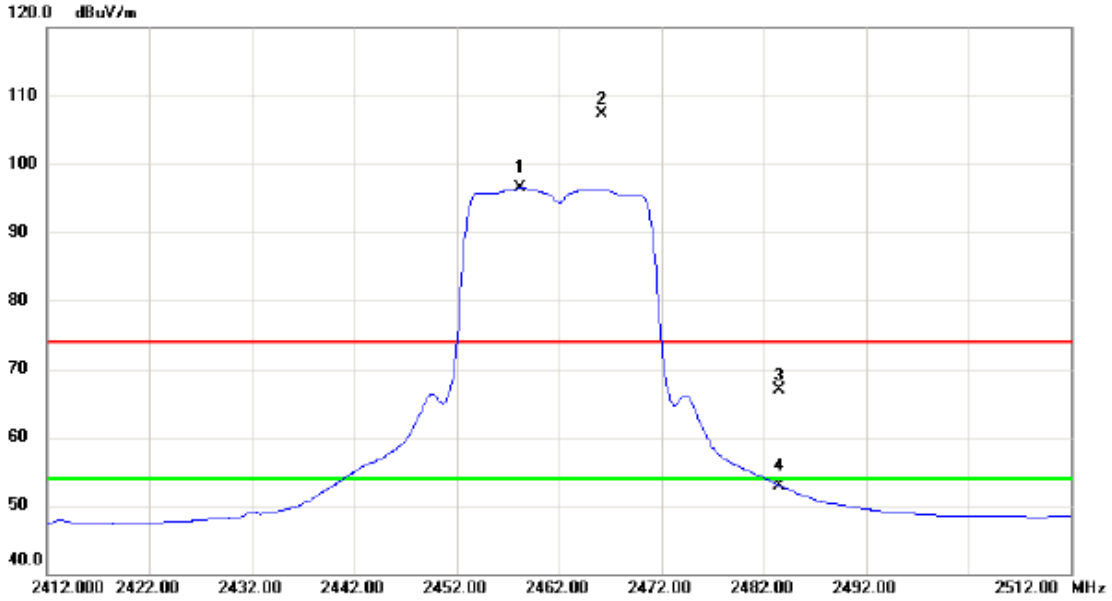
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7309.550	41.86	11.36	53.22	54.00	-0.78	AVG	
2		7312.050	58.92	11.37	70.29	74.00	-3.71	peak	

Test Mode:	TX N-20M MODE 2462MHz

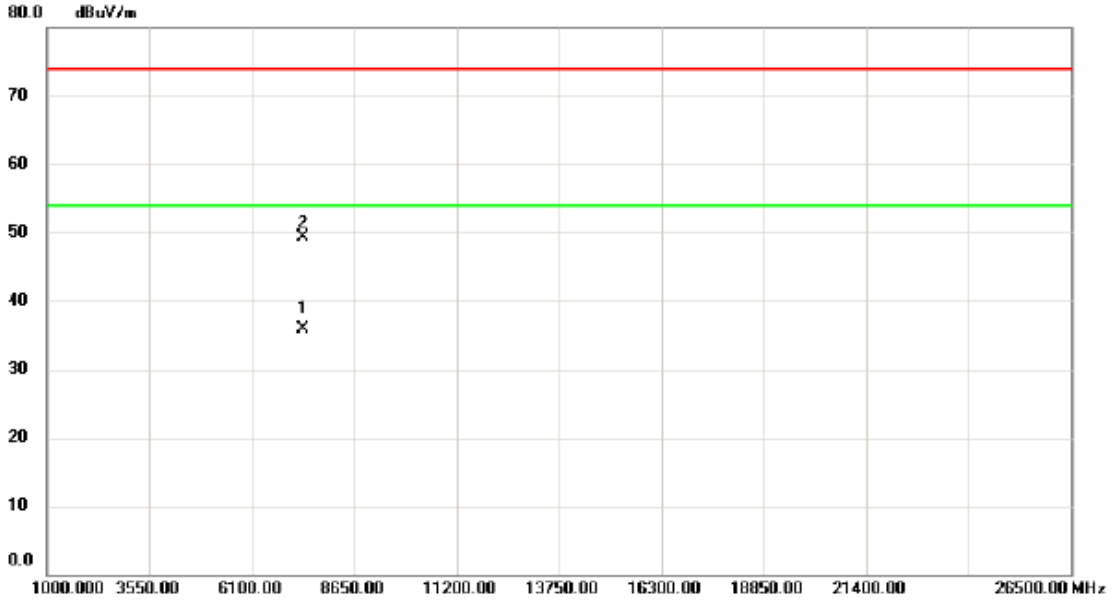
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2458.250	63.13	33.30	96.43	54.00	42.43	AVG	NO LIMIT
2	X	2466.250	73.95	33.33	107.28	74.00	33.28	peak	NO LIMIT
3		2483.500	33.59	33.40	66.99	74.00	-7.01	peak	
4		2483.500	19.56	33.40	52.96	54.00	-1.04	AVG	

Test Mode:	TX N-20M MODE 2462MHz

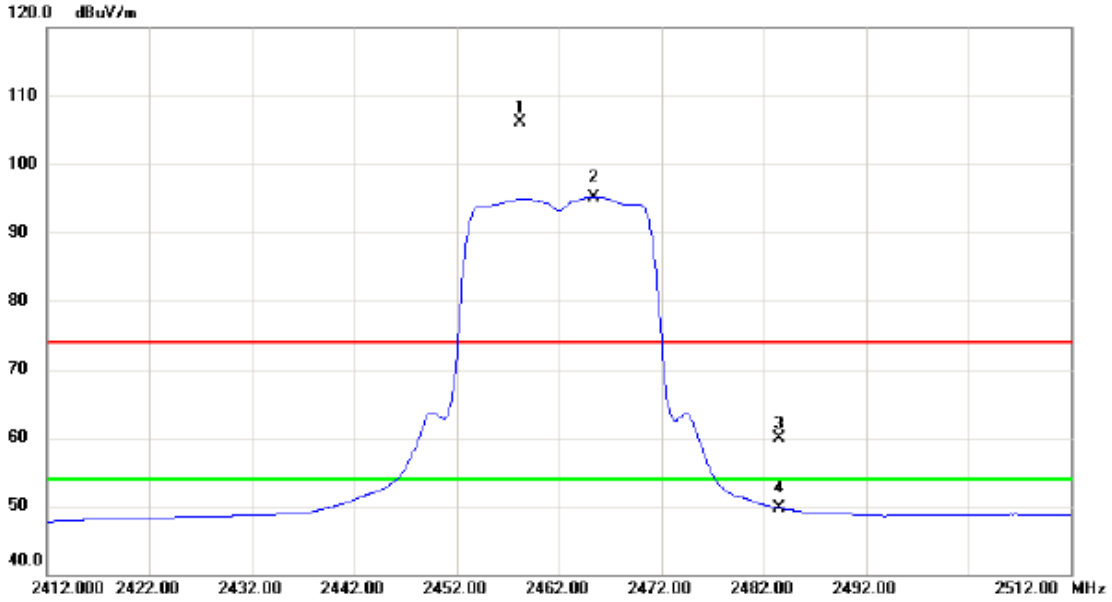
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7384.636	24.31	11.52	35.83	54.00	-18.17	AVG	
2		7385.842	37.85	11.52	49.37	74.00	-24.63	peak	

Test Mode:	TX N-20M MODE 2462MHz

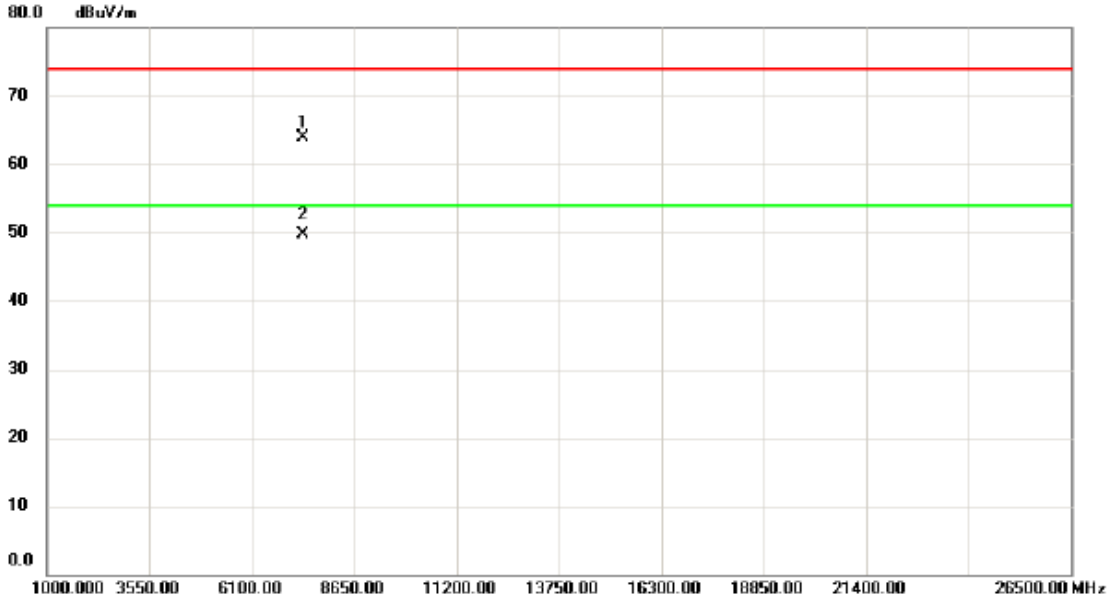
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.200	72.90	33.30	106.20	74.00	32.20	peak	No Limit
2	*	2465.400	61.87	33.33	95.20	54.00	41.20	AVG	No Limit
3		2483.500	26.49	33.40	59.89	74.00	-14.11	peak	
4		2483.500	16.35	33.40	49.75	54.00	-4.25	AVG	

Test Mode:	TX N-20M MODE 2462MHz

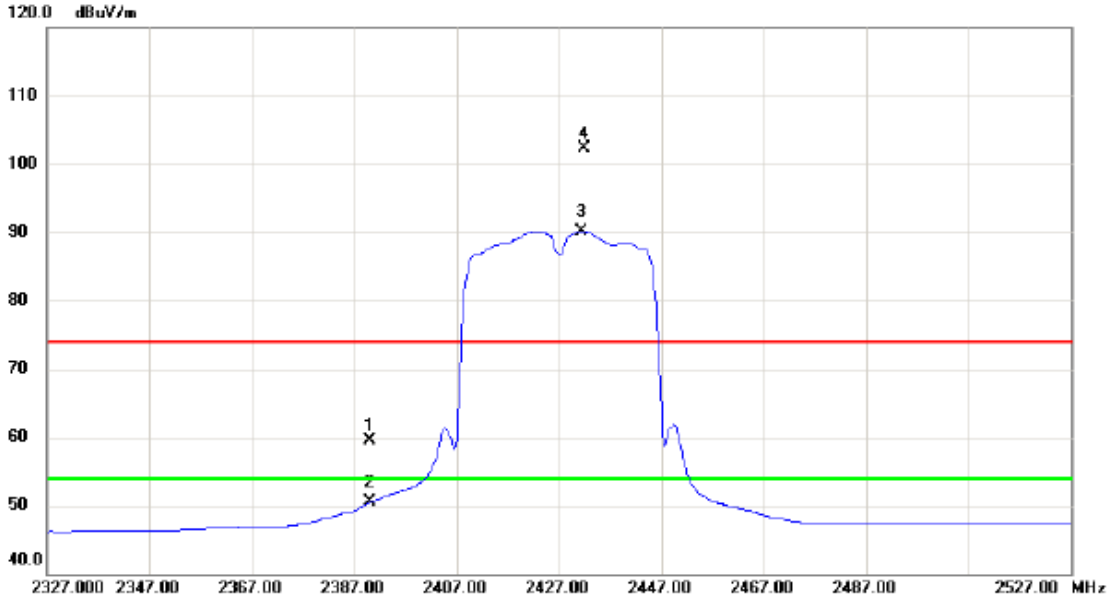
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7381.153	52.47	11.51	63.98	74.00	-10.02	peak	
2	*	7384.353	38.17	11.52	49.69	54.00	-4.31	AVG	

Test Mode:	TX N-40M MODE 2427MHz

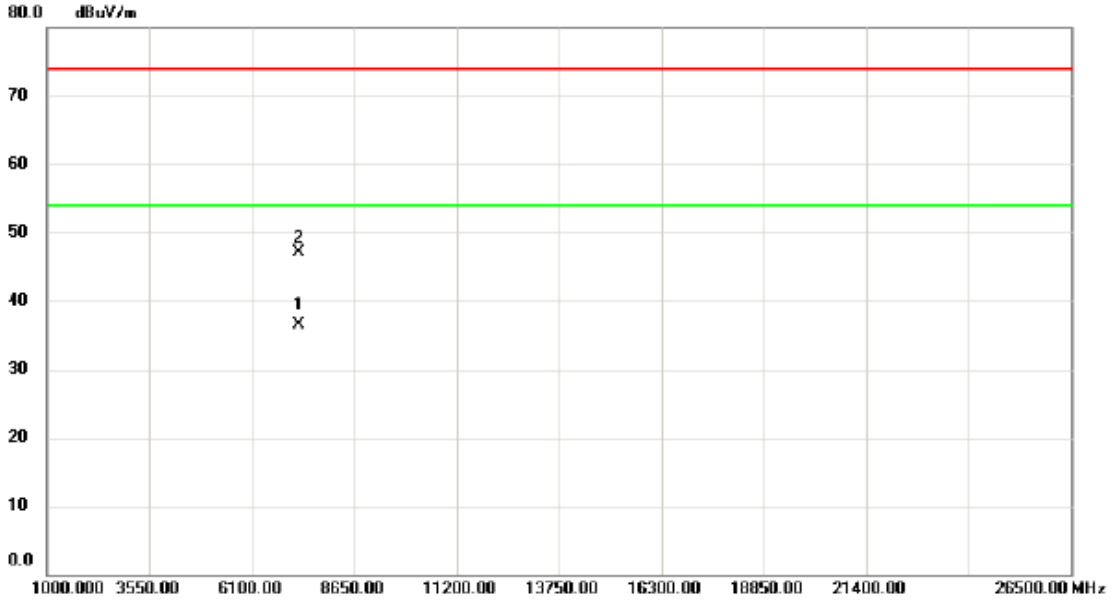
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	26.51	33.01	59.52	74.00	-14.48	peak	
2		2390.000	17.42	33.01	50.43	54.00	-3.57	AVG	
3	*	2431.400	56.91	33.18	90.09	54.00	36.09	AVG	NO LIMIT
4	X	2432.000	69.19	33.18	102.37	74.00	28.37	peak	NO LIMIT

Test Mode:	TX N-40M MODE 2427MHz

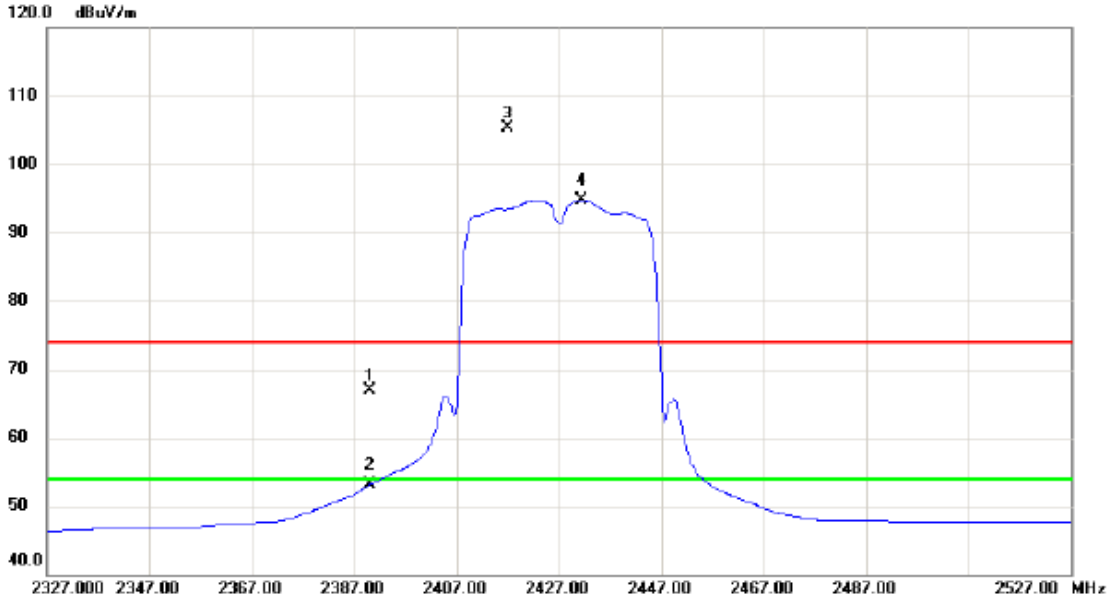
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7278.400	25.13	11.30	36.43	54.00	-17.57	AVG	
2		7284.600	35.72	11.32	47.04	74.00	-26.96	peak	

Test Mode:	TX N-40M MODE 2427MHz

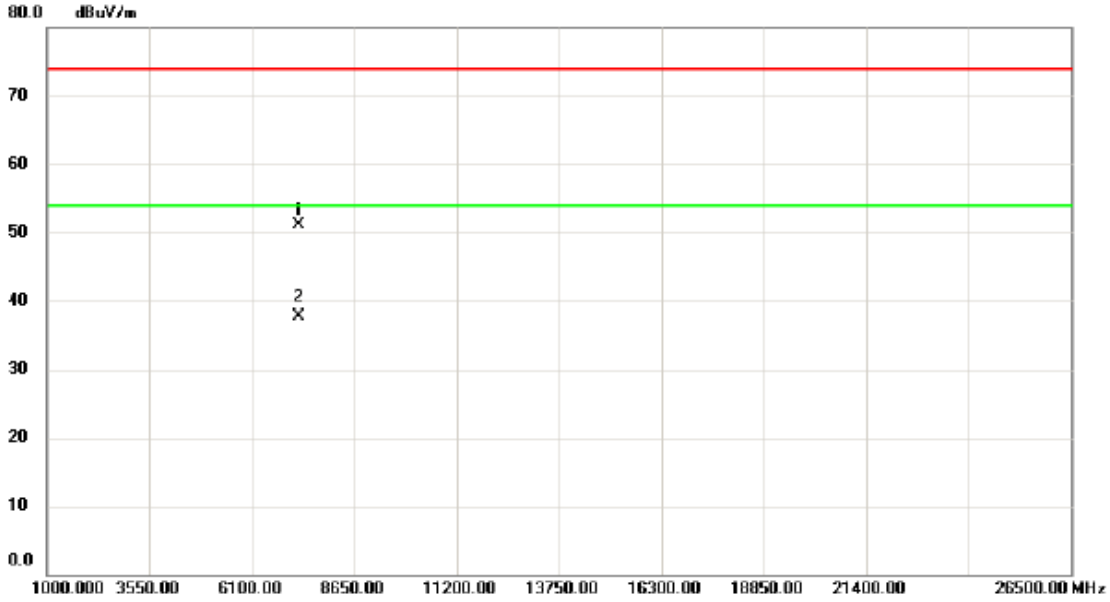
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	33.92	33.01	66.93	74.00	-7.07	peak	
2		2390.000	20.15	33.01	53.16	54.00	-0.84	AVG	
3	X	2417.000	72.14	33.12	105.26	74.00	31.26	peak	NO LIMIT
4	*	2431.400	61.49	33.18	94.67	54.00	40.67	AVG	NO LIMIT

Test Mode:	TX N-40M MODE 2427MHz

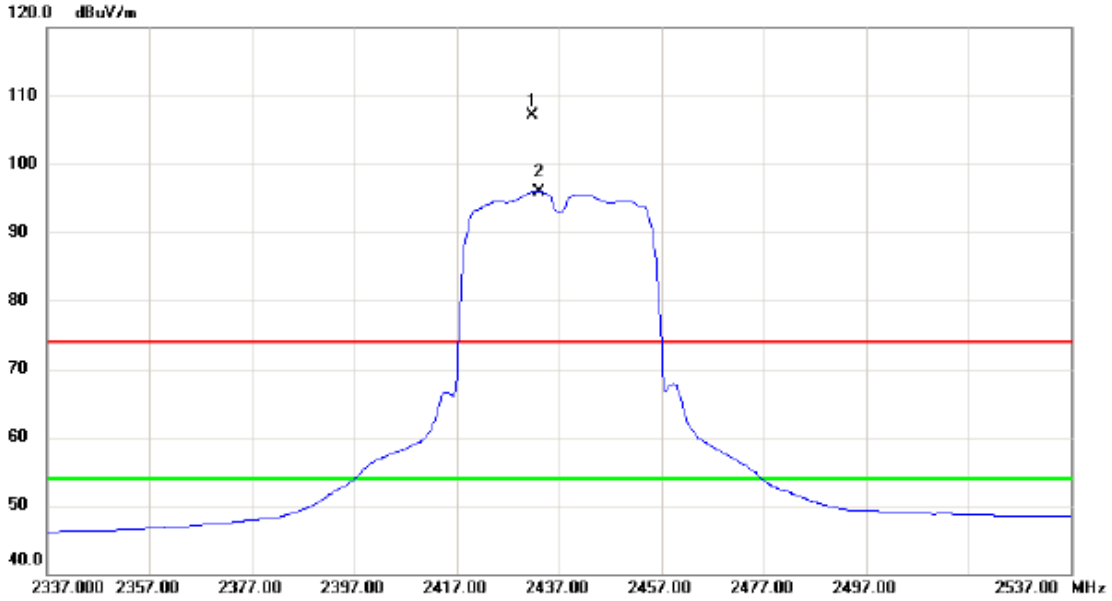
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7272.400	39.80	11.29	51.09	74.00	-22.91	peak	
2	*	7277.000	26.34	11.30	37.64	54.00	-16.36	AVG	

Test Mode:	TX N-40M MODE 2437MHz

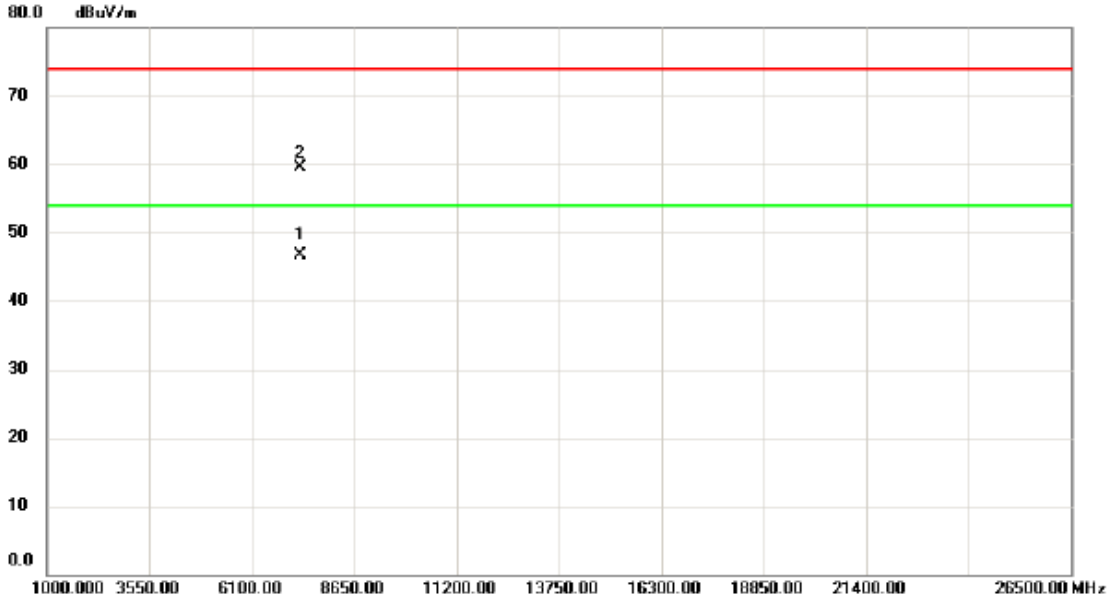
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2431.800	73.86	33.18	107.04	74.00	33.04	peak	No Limit
2	*	2433.000	62.79	33.19	95.98	54.00	41.98	AVG	No Limit

Test Mode:	TX N-40M MODE 2437MHz

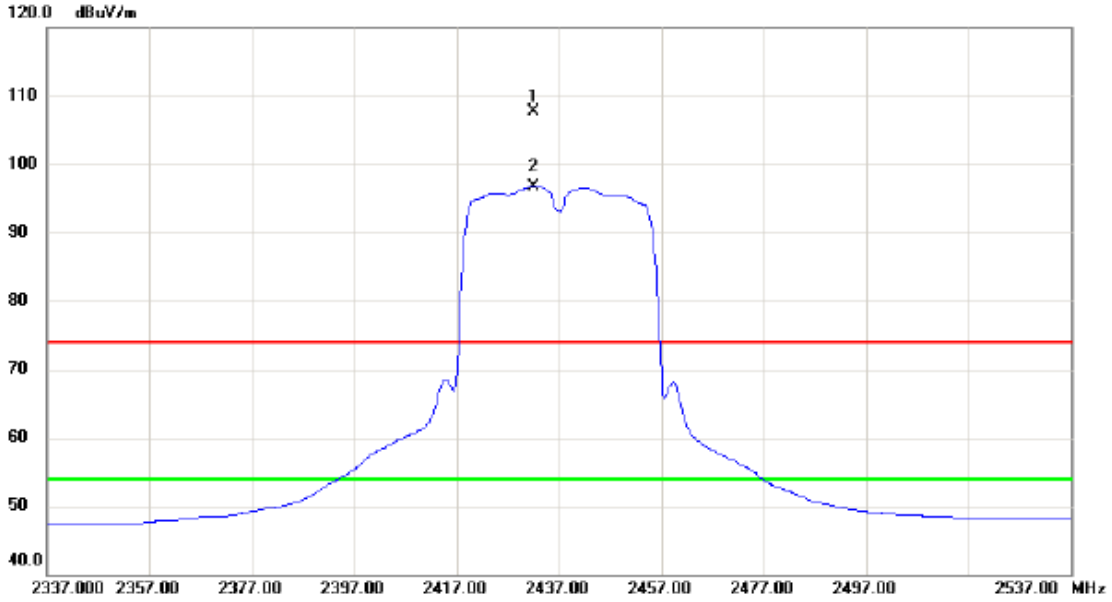
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7314.854	35.32	11.38	46.70	54.00	-7.30	AVG	
2		7316.645	48.21	11.38	59.59	74.00	-14.41	peak	

Test Mode:	TX N-40M MODE 2437MHz

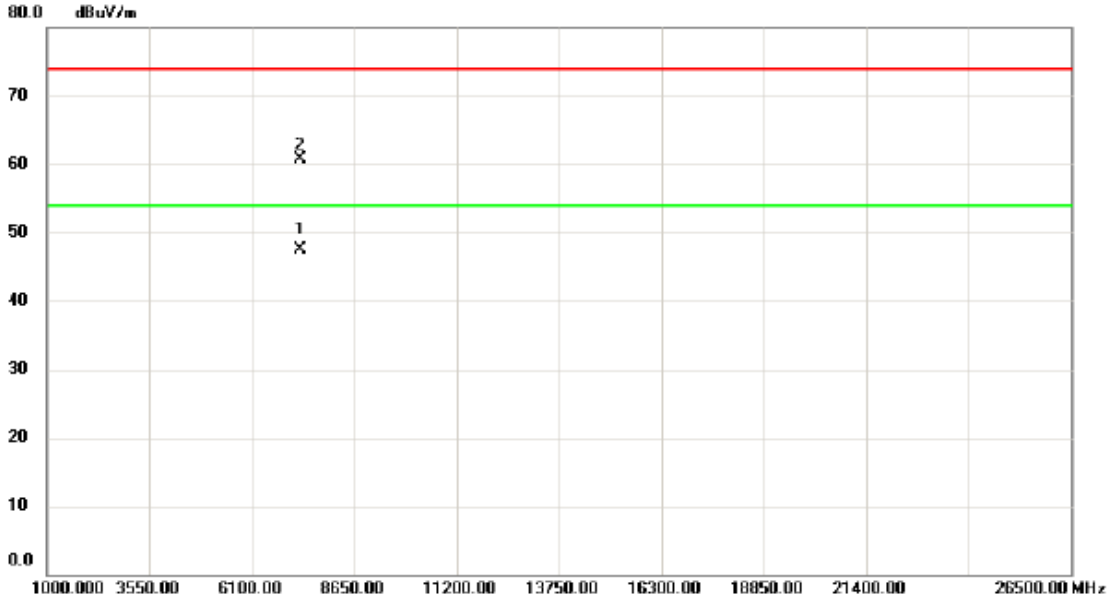
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2432.000	74.56	33.18	107.74	74.00	33.74	peak	NO LIMIT
2	*	2432.000	63.60	33.18	96.78	54.00	42.78	AVG	NO LIMIT

Test Mode:	TX N-40M MODE 2437MHz

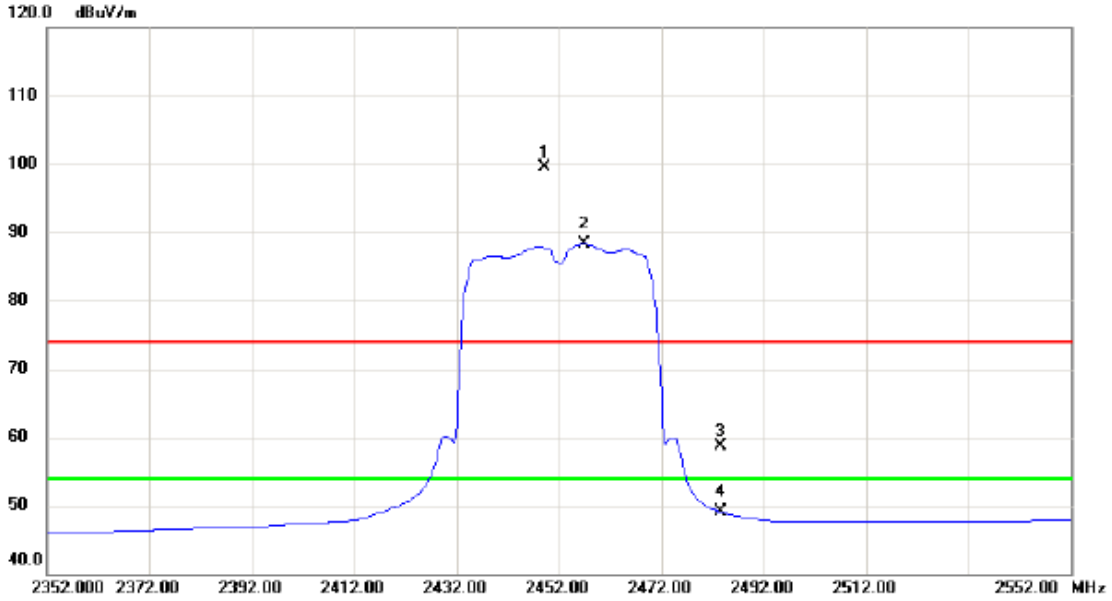
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7305.050	36.06	11.36	47.42	54.00	-6.58	AVG	
2		7305.650	49.27	11.36	60.63	74.00	-13.37	peak	

Test Mode:	TX N-40M MODE 2452MHz

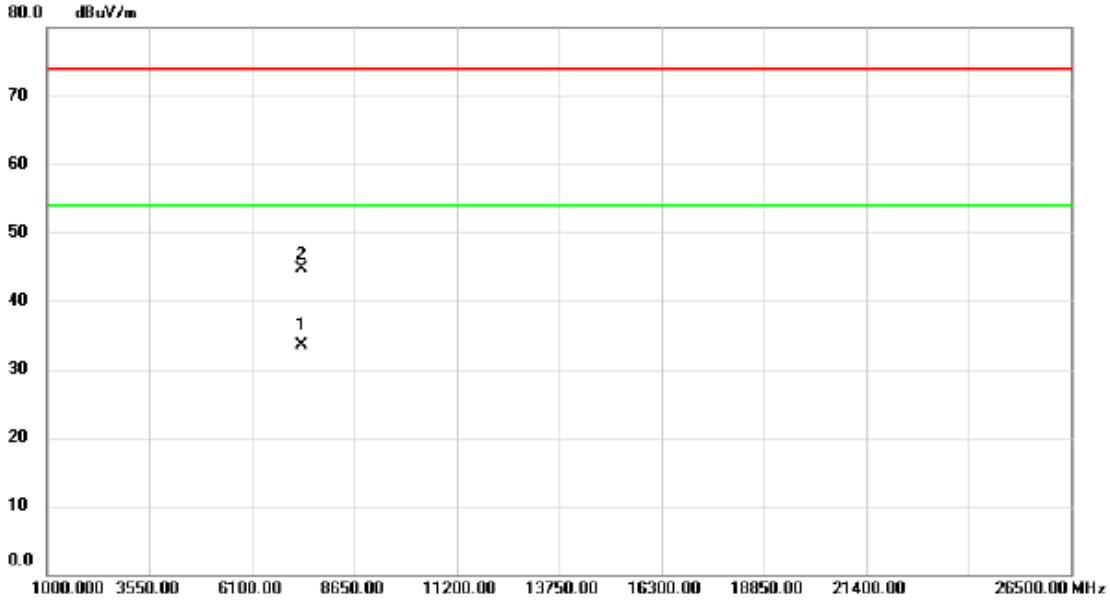
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2449.200	66.24	33.26	99.50	74.00	25.50	peak	No Limit
2	*	2457.000	54.94	33.29	88.23	54.00	34.23	AVG	No Limit
3		2483.500	25.33	33.40	58.73	74.00	-15.27	peak	
4		2483.500	15.68	33.40	49.08	54.00	-4.92	AVG	

Test Mode:	TX N-40M MODE 2452MHz

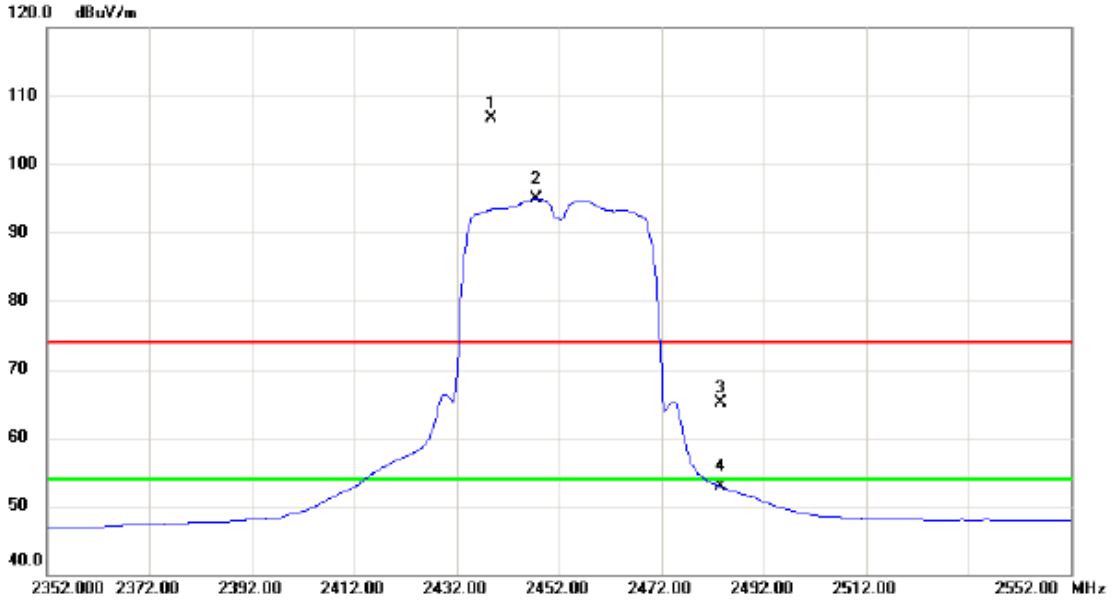
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7355.734	22.00	11.46	33.46	54.00	-20.54	AVG	
2		7357.778	33.21	11.47	44.68	74.00	-29.32	peak	

Test Mode:	TX N-40M MODE 2452MHz

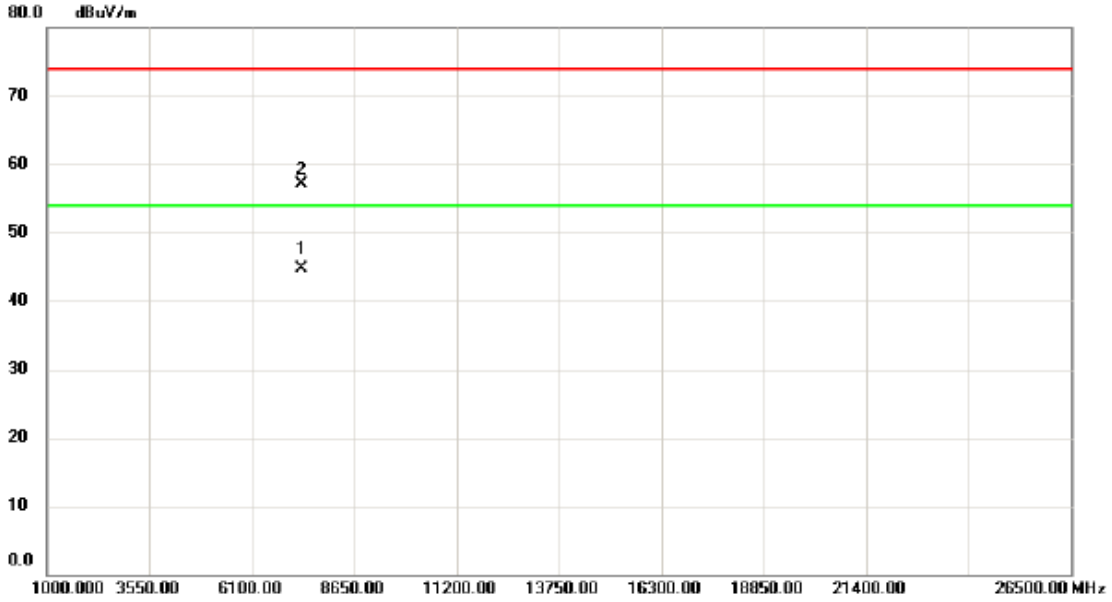
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2438.900	73.54	33.21	106.75	74.00	32.75	peak	NO LIMIT
2	*	2447.500	61.68	33.25	94.93	54.00	40.93	AVG	NO LIMIT
3		2483.500	31.75	33.40	65.15	74.00	-8.85	peak	
4		2483.500	19.43	33.40	52.83	54.00	-1.17	AVG	

Test Mode:	TX N-40M MODE 2452MHz

Horizontal



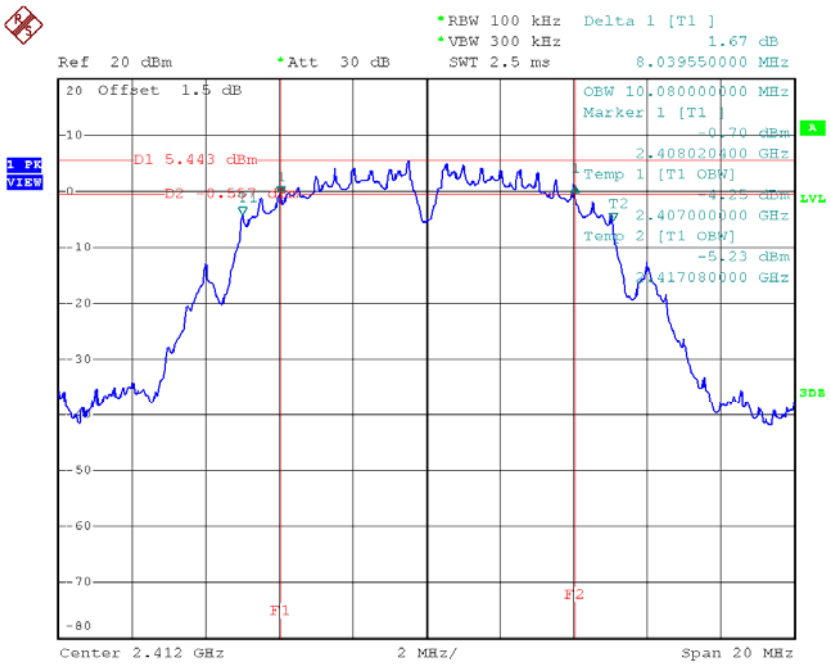
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	7350.150	33.24	11.45	44.69	54.00	-9.31	AVG	
2		7354.000	45.71	11.45	57.16	74.00	-16.84	peak	

ATTACHMENT E - BANDWIDTH

Test Mode: TX B Mode_CH01/06/11_ANT 0				

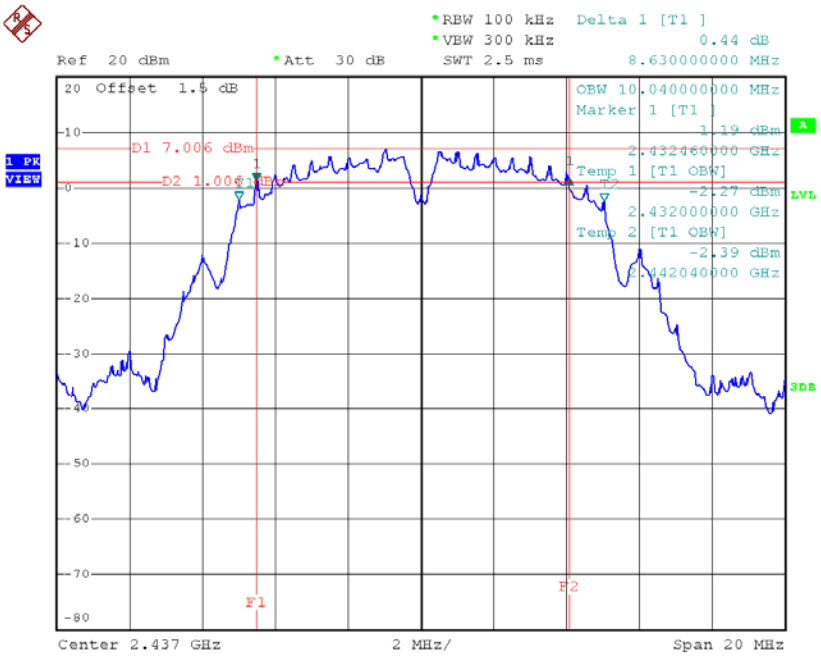
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	8.04	10.08	500	Complies
2437	8.63	10.04	500	Complies
2462	7.68	10.12	500	Complies

TX CH01



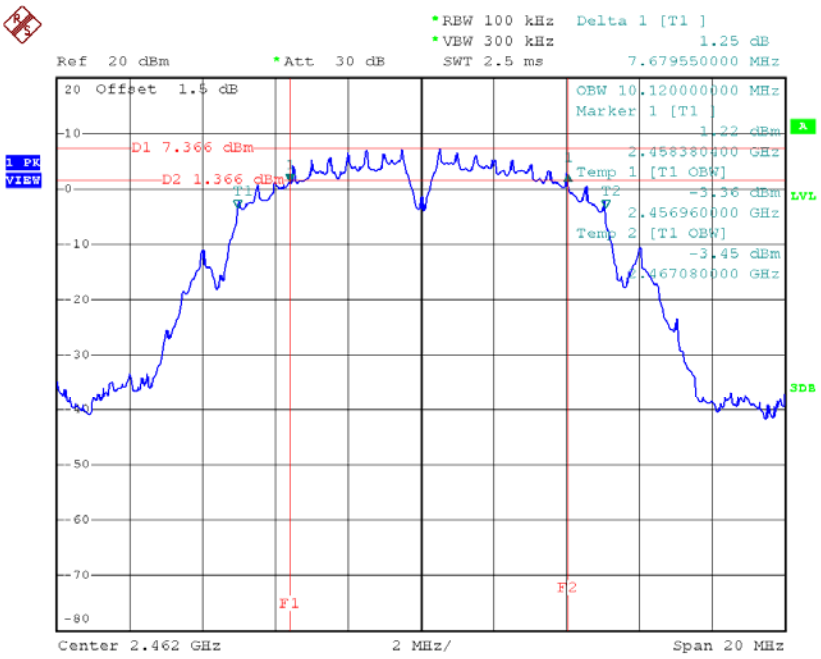
Date: 30.DEC.2016 09:32:03

TX CH06



Date: 30.DEC.2016 09:34:31

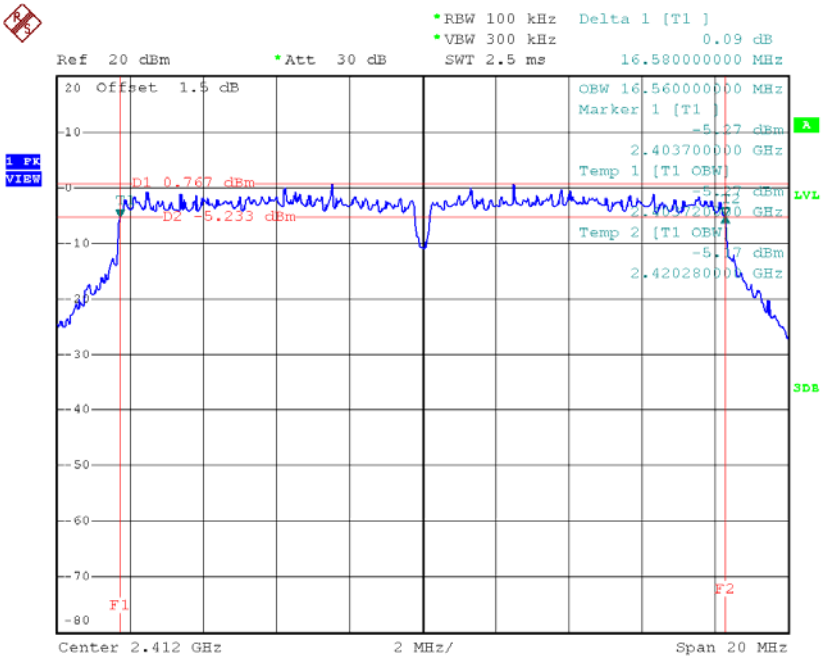
TX CH11



Date: 30.DEC.2016 09:36:35

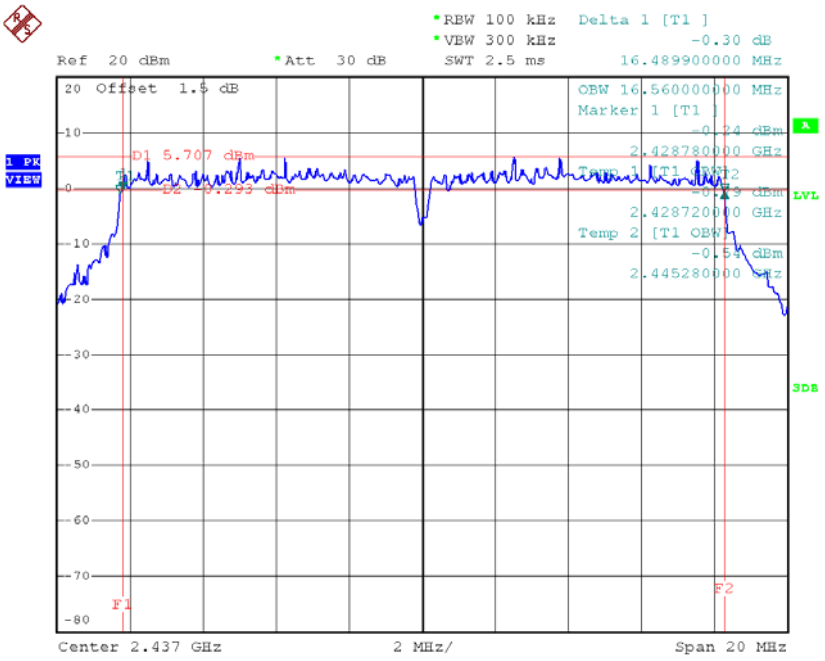
Test Mode: TX G Mode_CH01/06/11_ANT 0				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.58	16.56	500	Complies
2437	16.49	16.56	500	Complies
2462	16.58	16.56	500	Complies

TX CH01



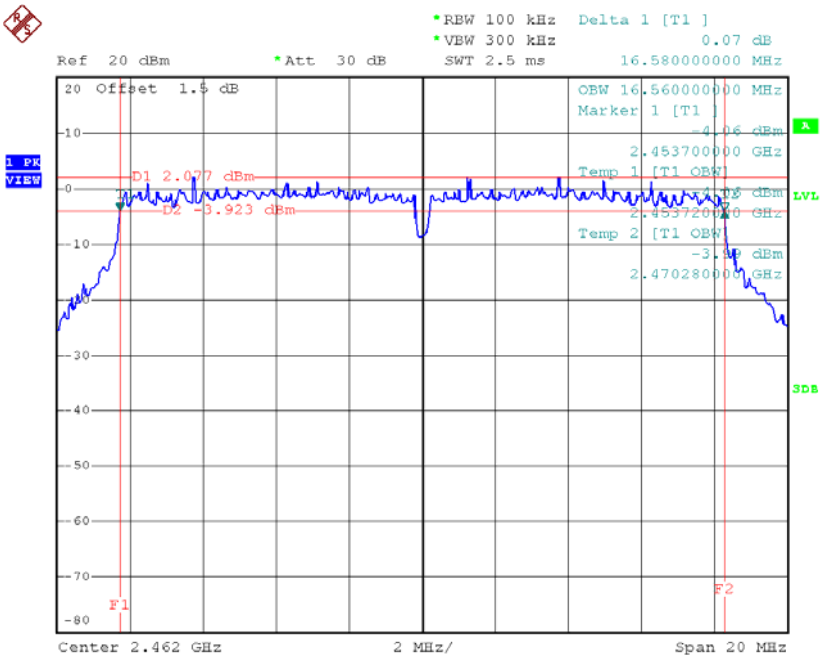
Date: 30.DEC.2016 09:39:01

TX CH06



Date: 30.DEC.2016 09:40:59

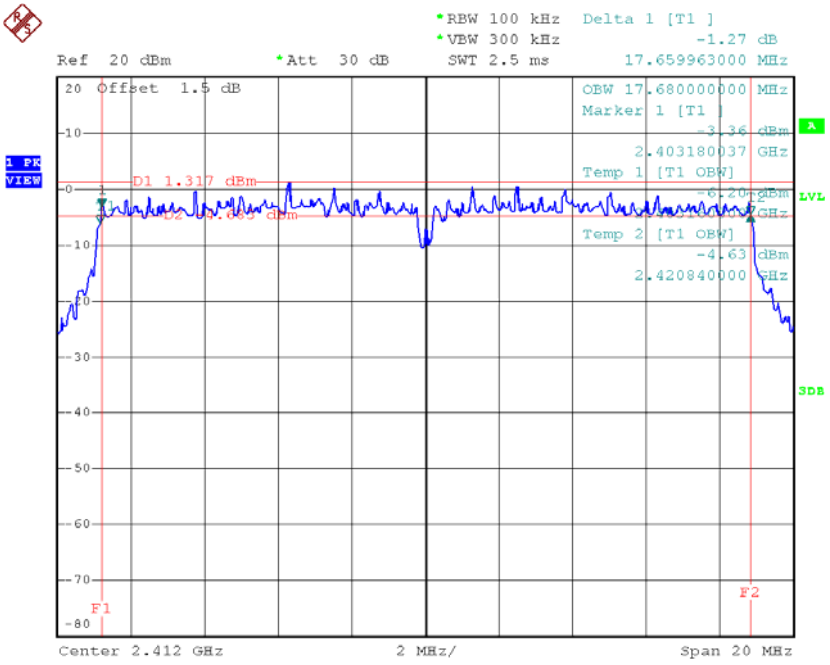
TX CH11



Date: 30.DEC.2016 09:42:36

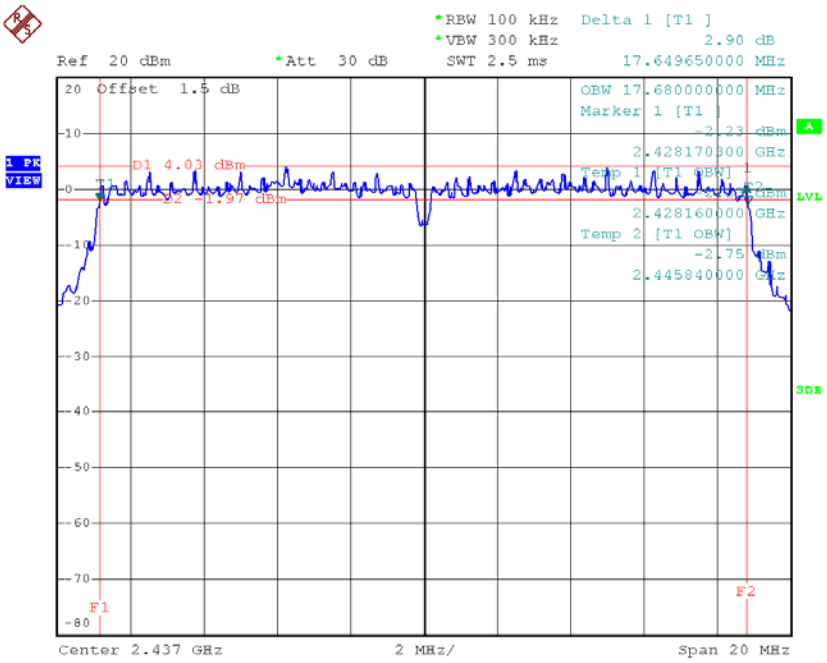
Test Mode: TX N-20MHz Mode_CH01/06/11_ANT 0				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.66	17.68	500	Complies
2437	17.65	17.68	500	Complies
2462	17.70	17.68	500	Complies

TX CH01



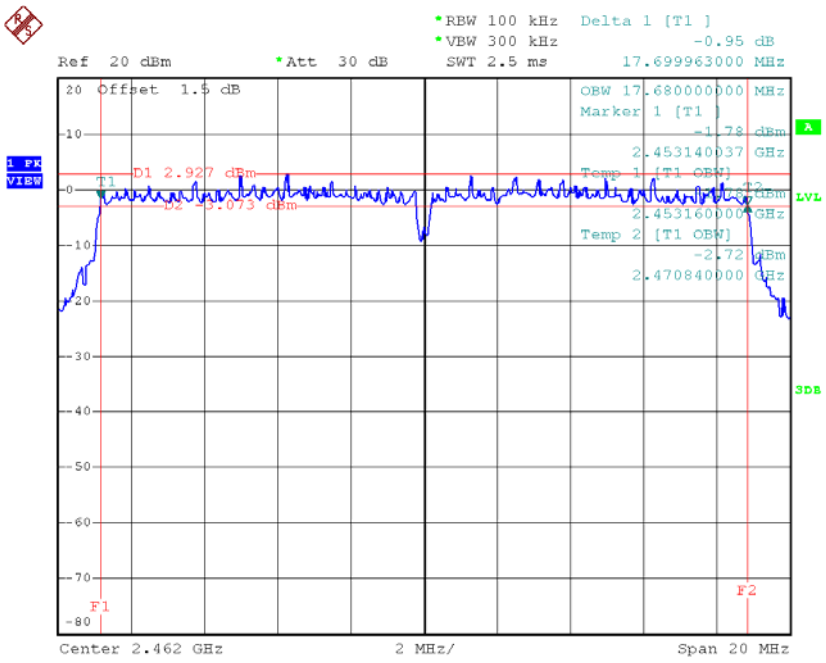
Date: 30.DEC.2016 09:44:02

TX CH06



Date: 30.DEC.2016 09:49:57

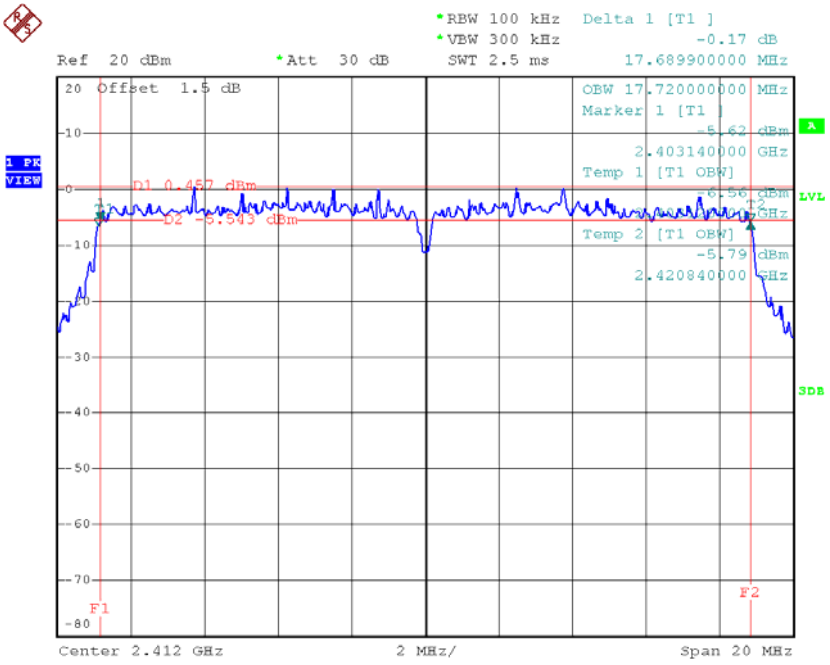
TX CH11



Date: 30.DEC.2016 09:51:11

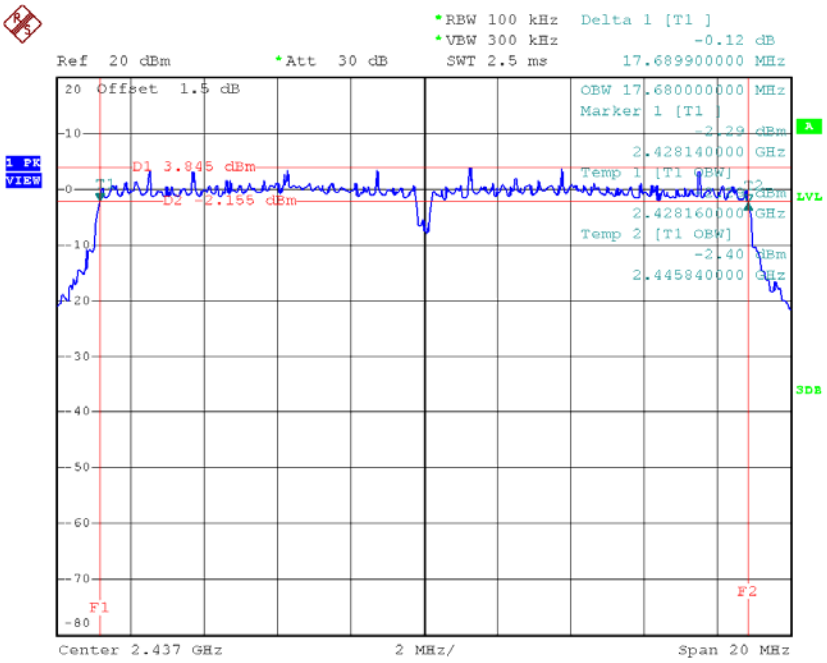
Test Mode: TX N-20MHz Mode_CH01/06/11_ANT 1				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.69	17.72	500	Complies
2437	17.69	17.68	500	Complies
2462	17.70	17.68	500	Complies

TX CH01



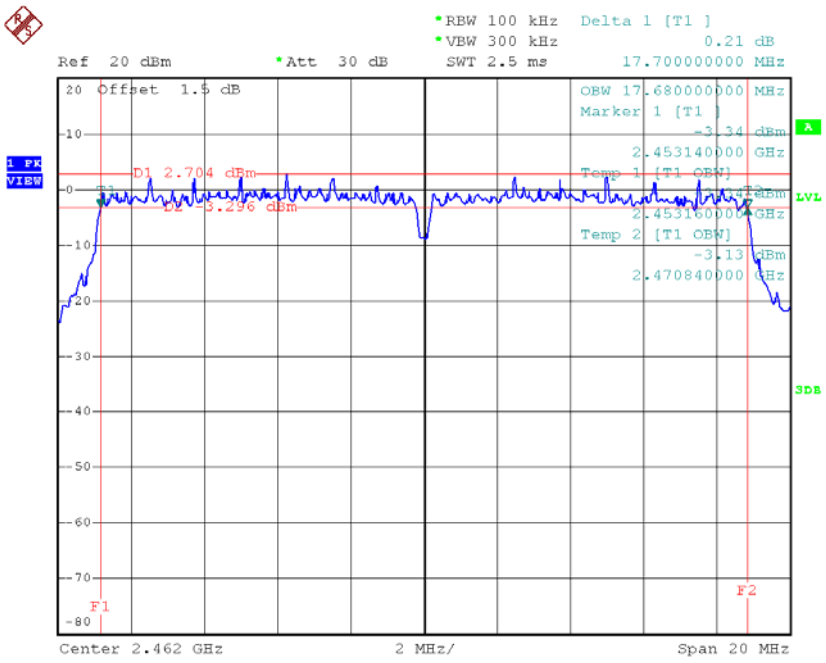
Date: 30.DEC.2016 10:21:11

TX CH06



Date: 30.DEC.2016 10:23:50

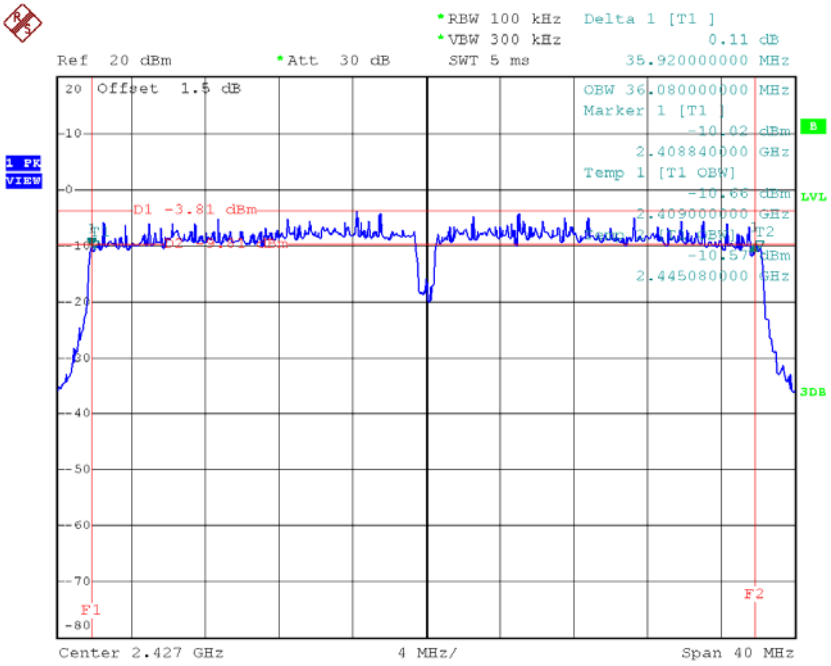
TX CH11



Date: 30.DEC.2016 10:25:15

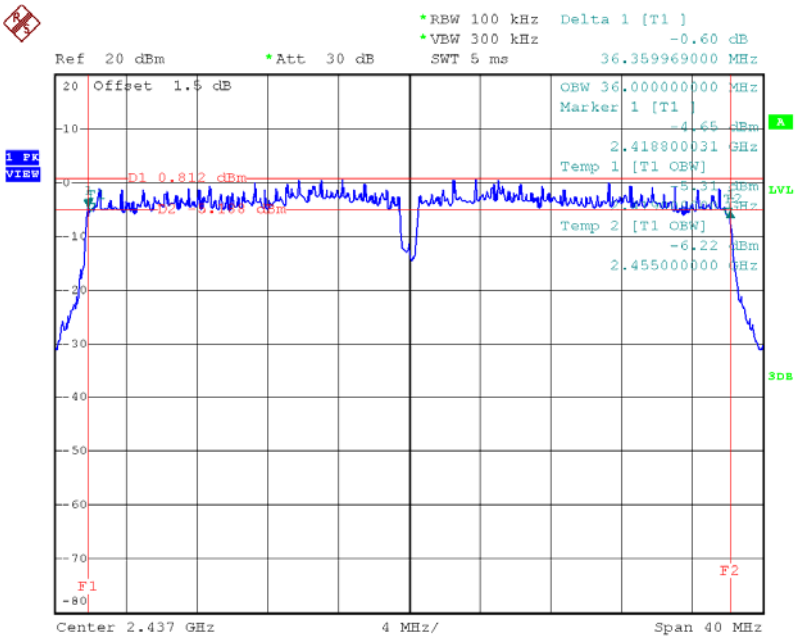
Test Mode: TX N-40MHz Mode_CH04/06/09_ANT 0				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2427	35.92	36.08	500	Complies
2437	36.35	36.00	500	Complies
2452	36.44	36.08	500	Complies

TX CH03



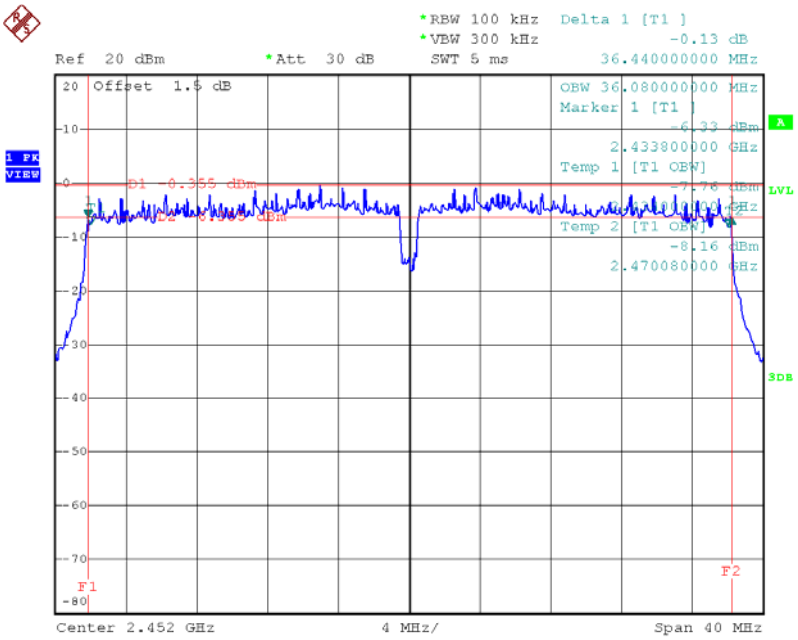
Date: 30.DEC.2016 11:02:11

TX CH06



Date: 30.DEC.2016 10:16:46

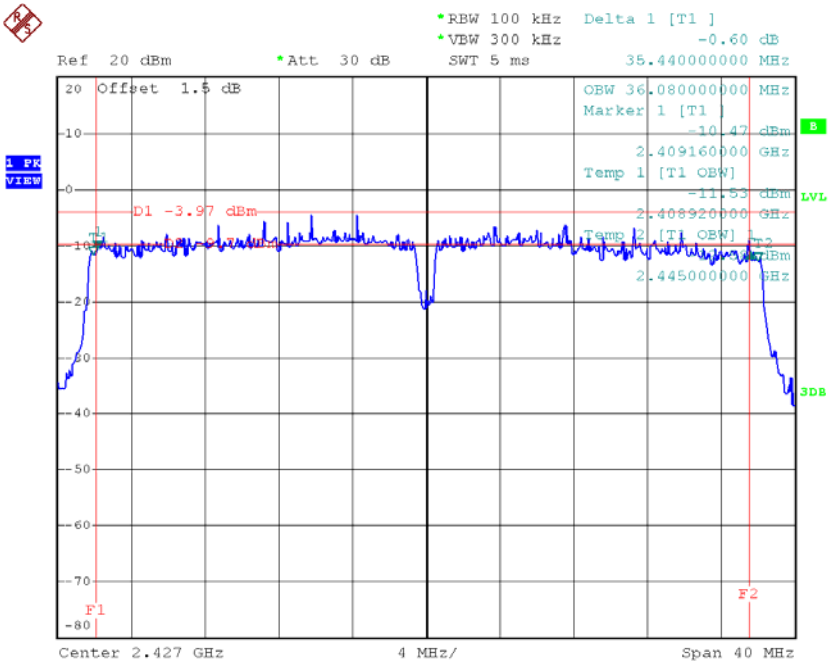
TX CH09



Date: 30.DEC.2016 10:18:35

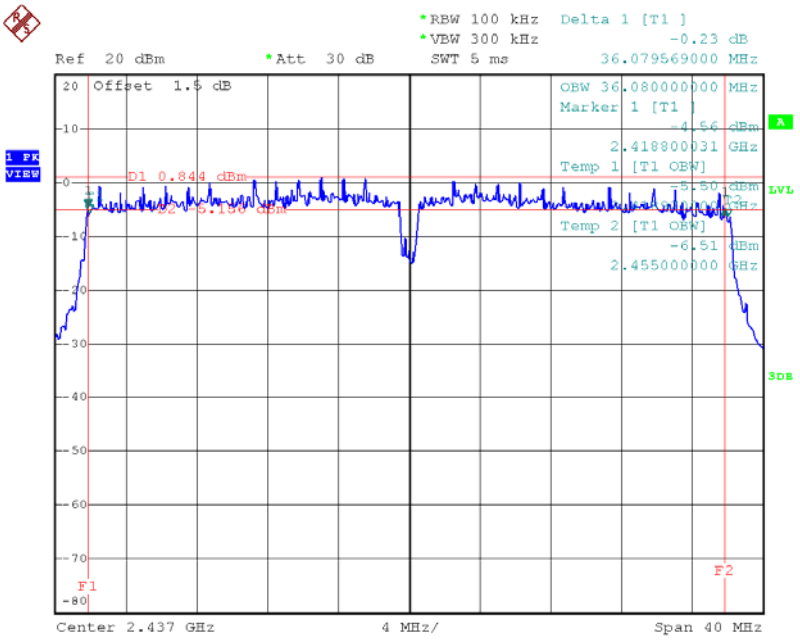
Test Mode: TX N-40MHz Mode_CH04/06/09_ANT 1				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2427	35.44	36.08	500	Complies
2437	36.08	36.08	500	Complies
2452	35.80	36.00	500	Complies

TX CH03



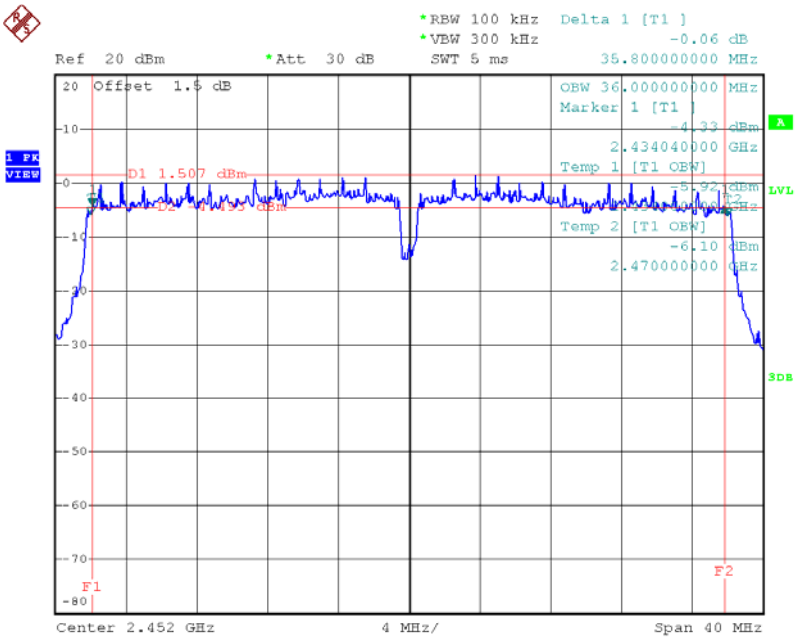
Date: 30.DEC.2016 10:45:27

TX CH06



Date: 30.DEC.2016 10:27:13

TX CH09



Date: 30.DEC.2016 10:29:18

ATTACHMENT F – MAXIMUM AVERAGE CONDUCTED OUTPUT POWER

Test Mode: TX B Mode_CH01/06/11_ANT 0					
Frequency (MHz)	Average Conducted Power (dBm)	Average Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.72	0.0296	30.00	1.00	Complies
2437	16.78	0.0476	30.00	1.00	Complies
2462	16.57	0.0454	30.00	1.00	Complies

Test Mode: TX G Mode_CH01/06/11_ANT 0					
Frequency (MHz)	Average Conducted Power (dBm)	Average Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.05	0.0254	30.00	1.00	Complies
2437	18.79	0.0757	30.00	1.00	Complies
2462	15.05	0.0320	30.00	1.00	Complies

Test Mode: TX N20 Mode_CH01/06/11_ANT 0					
Frequency (MHz)	Average Conducted Power (dBm)	Average Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	13.62	0.0230	30.00	1.00	Complies
2437	15.92	0.0391	30.00	1.00	Complies
2462	15.69	0.0371	30.00	1.00	Complies

Test Mode: TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Conducted Power (dBm)	Average Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	12.87	0.0194	30.00	1.00	Complies
2437	16.55	0.0452	30.00	1.00	Complies
2462	14.72	0.0296	30.00	1.00	Complies

Test Mode: TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Average Conducted Power (dBm)	Average Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.27	0.0424	30.00	1.00	Complies
2437	19.26	0.0843	30.00	1.00	Complies
2462	18.24	0.0667	30.00	1.00	Complies

Test Mode: TX N40 Mode_CH04/06/09_ANT 0					
Frequency (MHz)	Average Conducted Power (dBm)	Average Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2427	10.41	0.0110	30.00	1.00	Complies
2437	15.16	0.0328	30.00	1.00	Complies
2452	13.74	0.0237	30.00	1.00	Complies

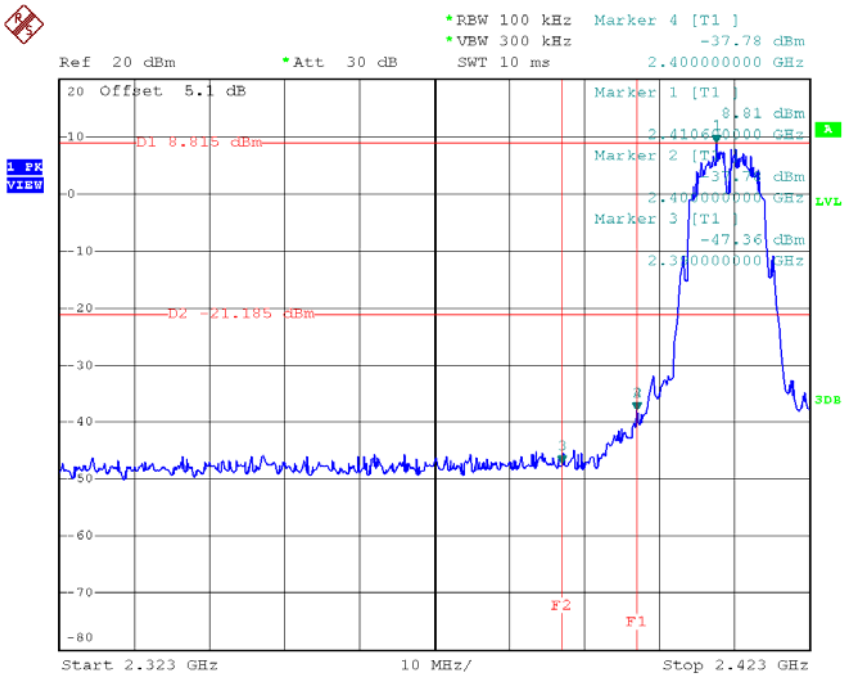
Test Mode: TX N40 Mode_CH04/06/09_ANT 1					
Frequency (MHz)	Average Conducted Power (dBm)	Average Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2427	9.27	0.0085	30.00	1.00	Complies
2437	14.82	0.0303	30.00	1.00	Complies
2452	12.92	0.0196	30.00	1.00	Complies

Test Mode: TX N40 Mode_CH04/06/09_Total					
Frequency (MHz)	Average Conducted Power (dBm)	Average Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2427	12.89	0.0194	30.00	1.00	Complies
2437	18.00	0.0631	30.00	1.00	Complies
2452	16.36	0.0432	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

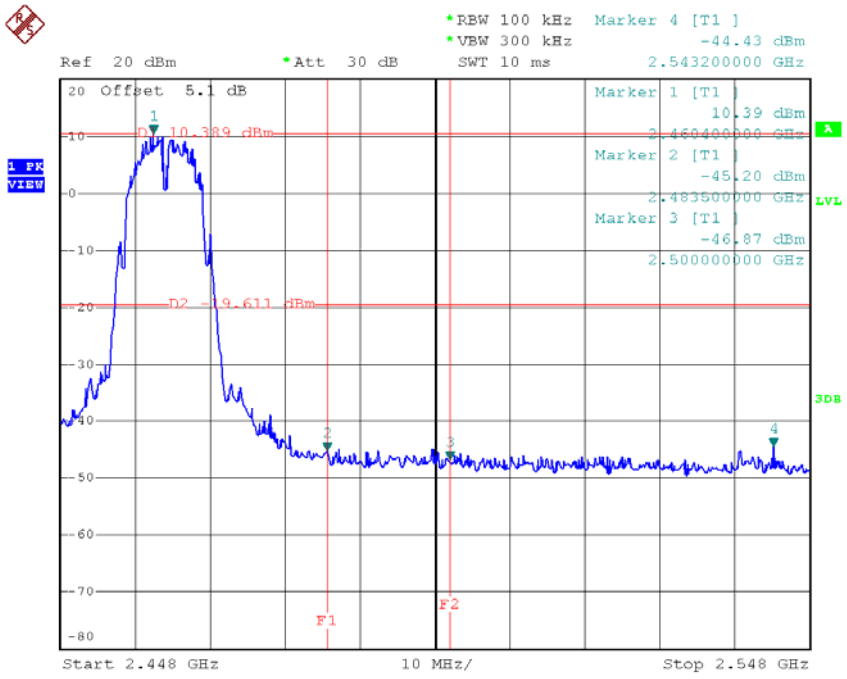
Test Mode:	TX B Mode_ANT 0

TX B mode CH01



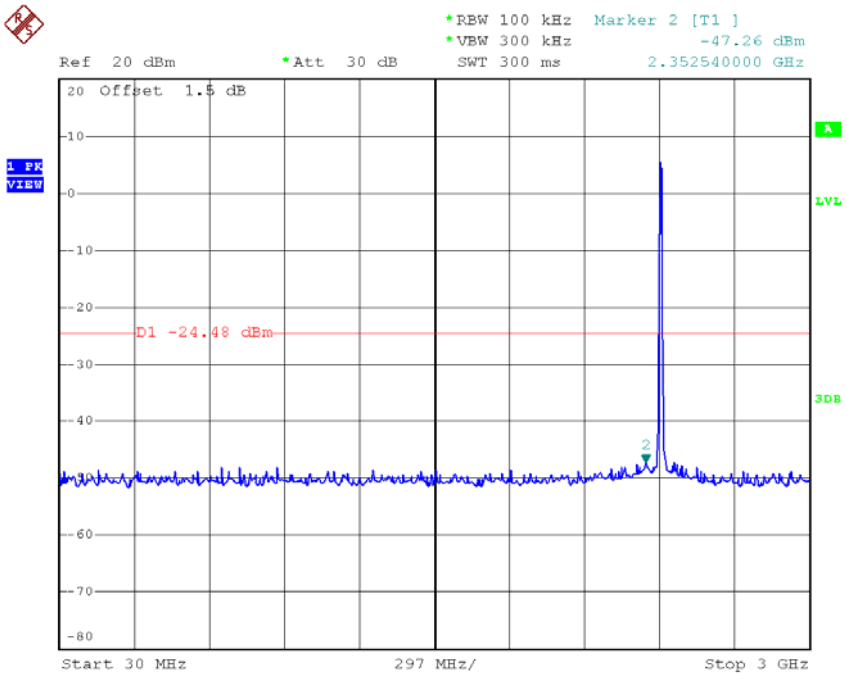
Date: 30.DEC.2016 09:32:42

TX B mode CH11

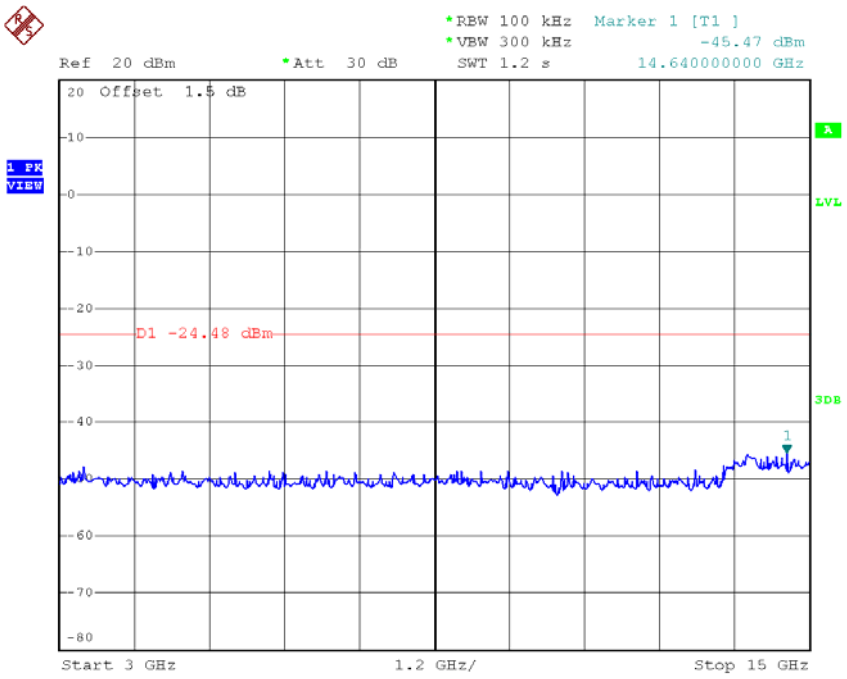


Date: 30.DEC.2016 09:37:14

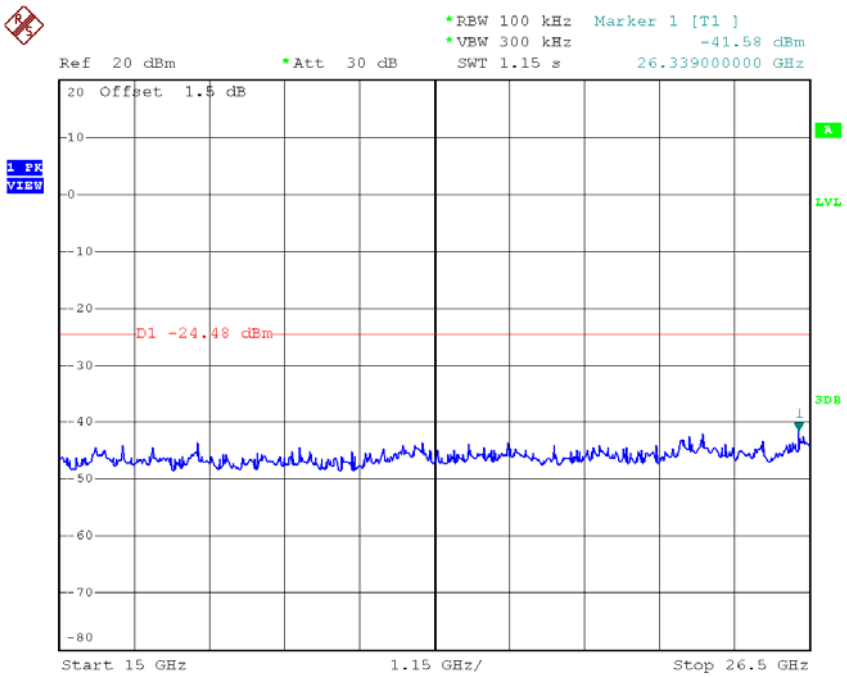
TX B mode CH01 (10 Harmonic of the frequency)



Date: 30.DEC.2016 09:32:18

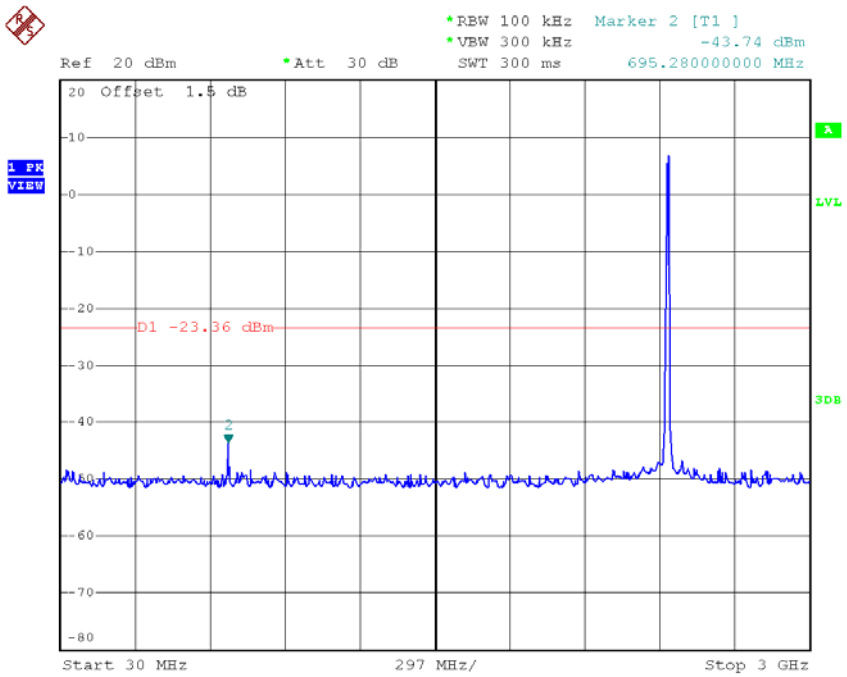


Date: 30.DEC.2016 09:32:26

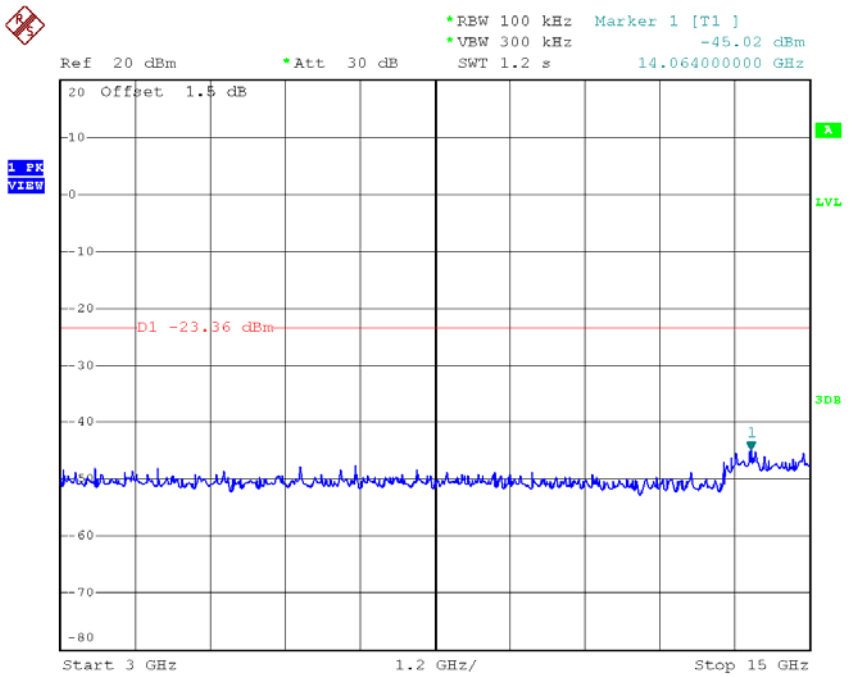


Date: 30.DEC.2016 09:32:35

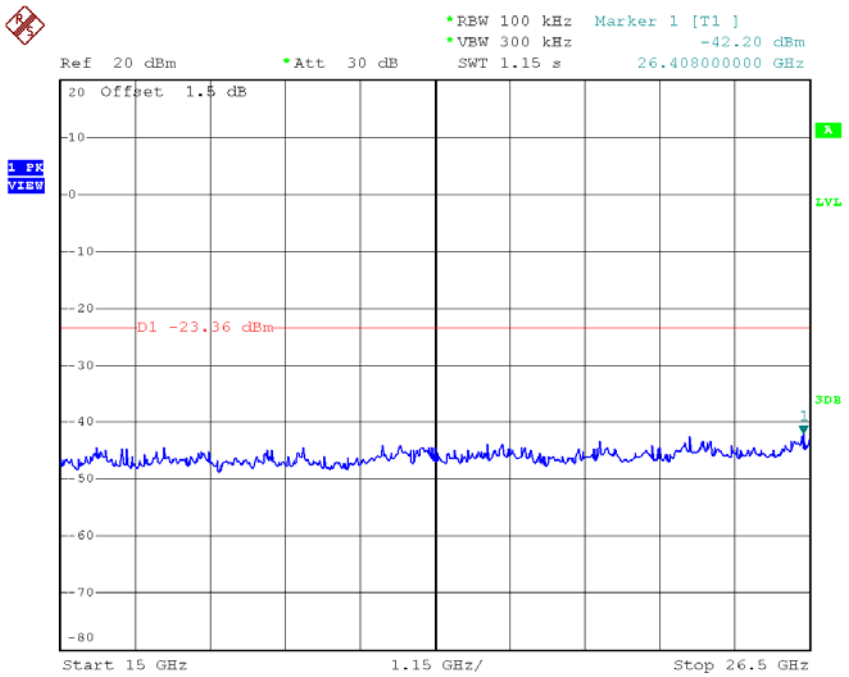
TX B mode CH06 (10 Harmonic of the frequency)



Date: 30.DEC.2016 09:34:44

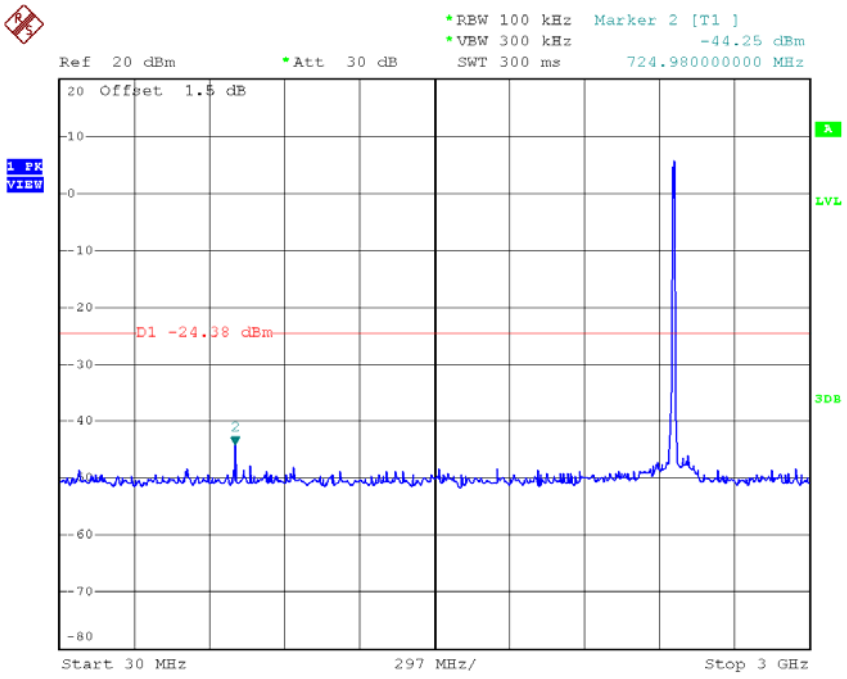


Date: 30.DEC.2016 09:34:53

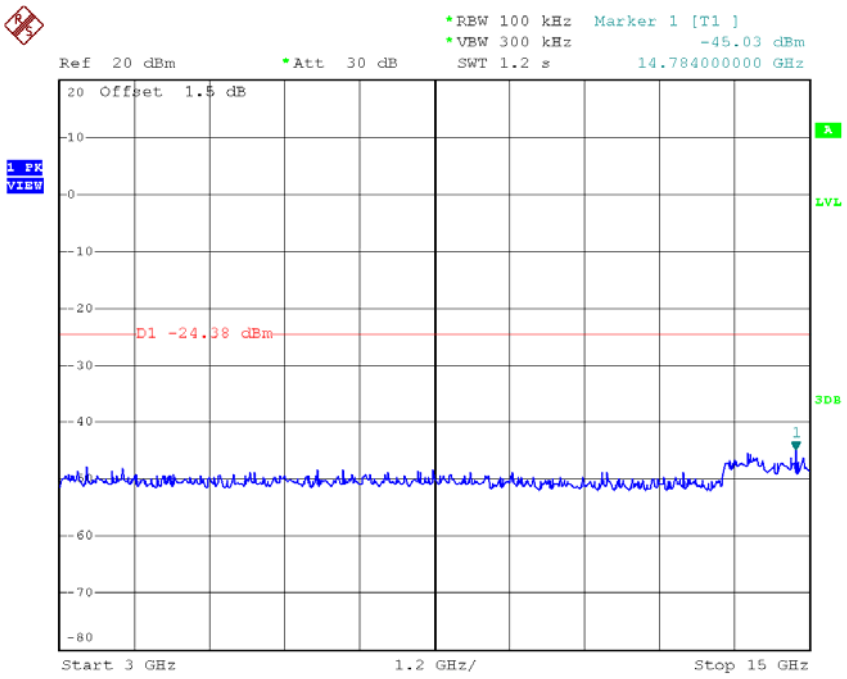


Date: 30.DEC.2016 09:35:01

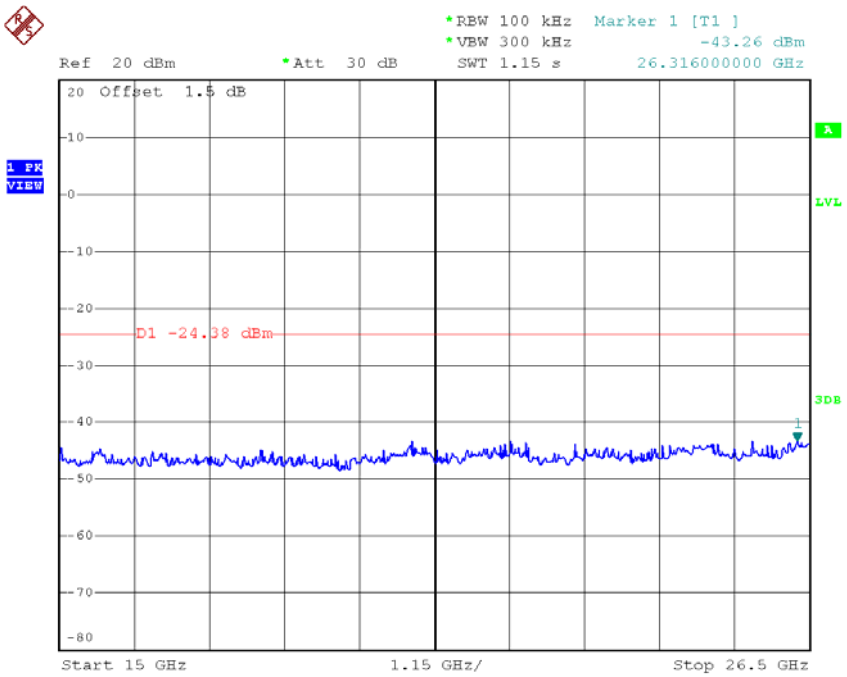
TX B mode CH11 (10 Harmonic of the frequency)



Date: 30.DEC.2016 09:36:49



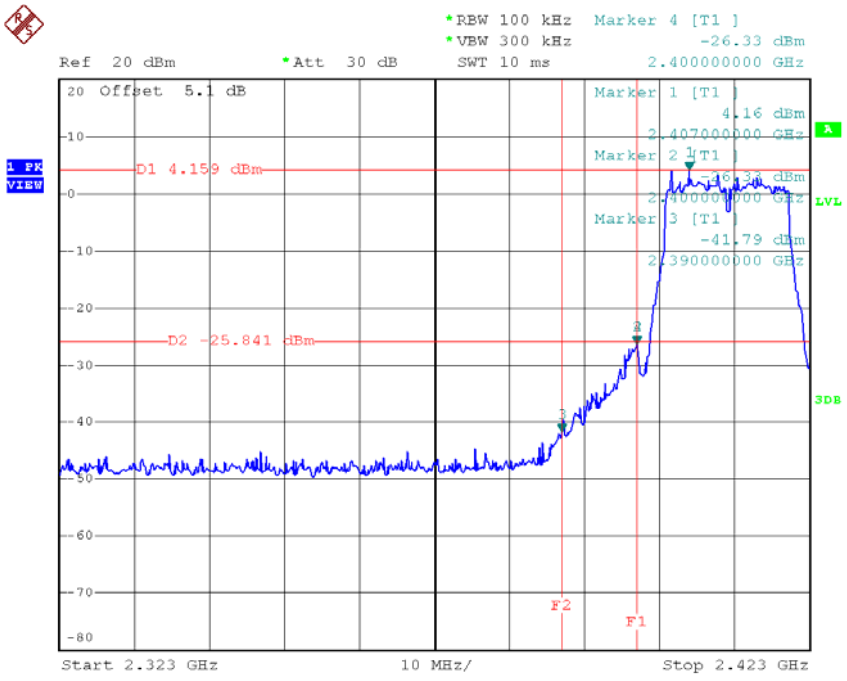
Date: 30.DEC.2016 09:36:58



Date: 30.DEC.2016 09:37:06

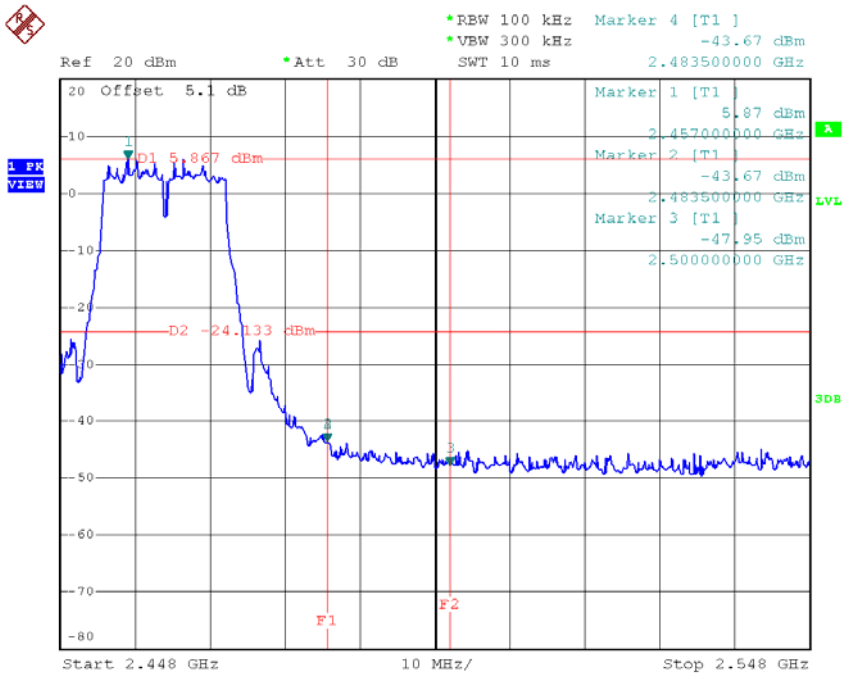
Test Mode:	TX G Mode_ANT 0

TX G mode CH01



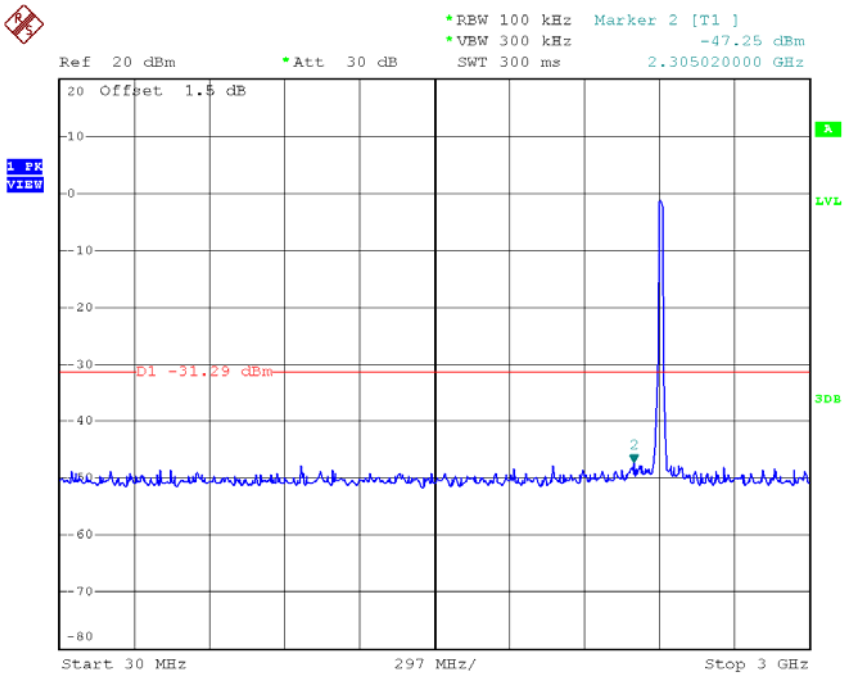
Date: 30.DEC.2016 09:39:40

TX G mode CH11

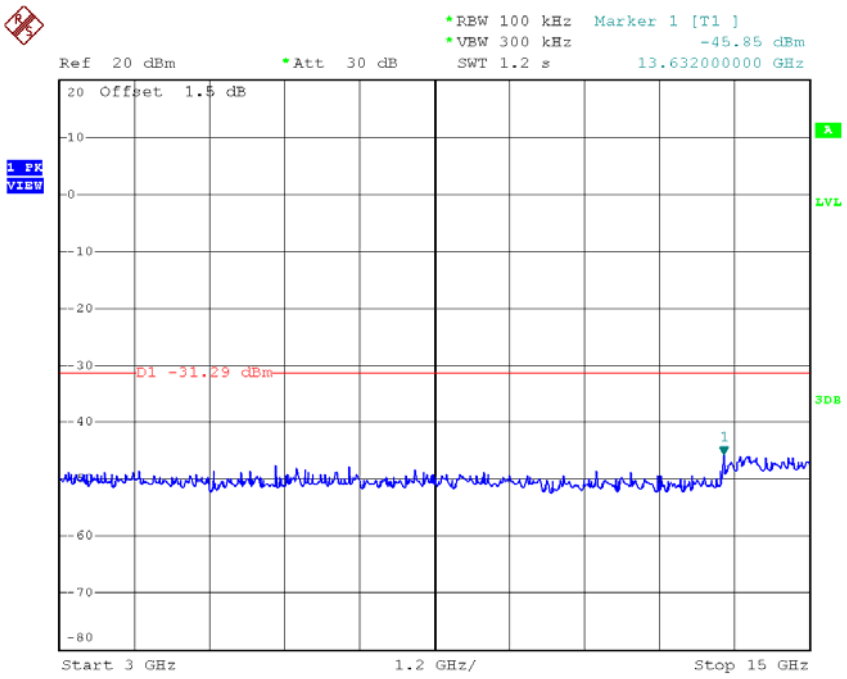


Date: 30.DEC.2016 09:43:15

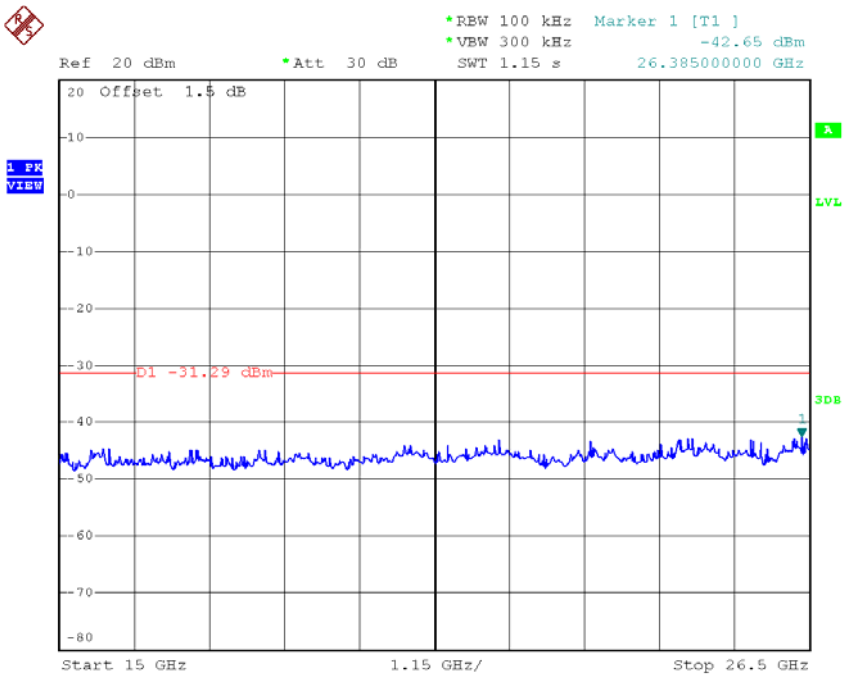
TX G mode CH01 (10 Harmonic of the frequency)



Date: 30.DEC.2016 09:39:15

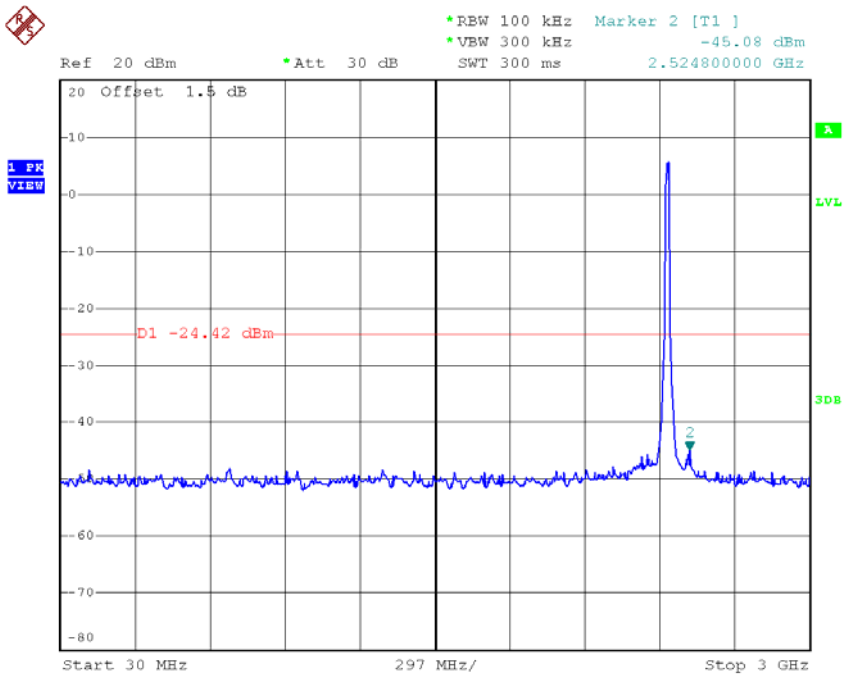


Date: 30.DEC.2016 09:39:24

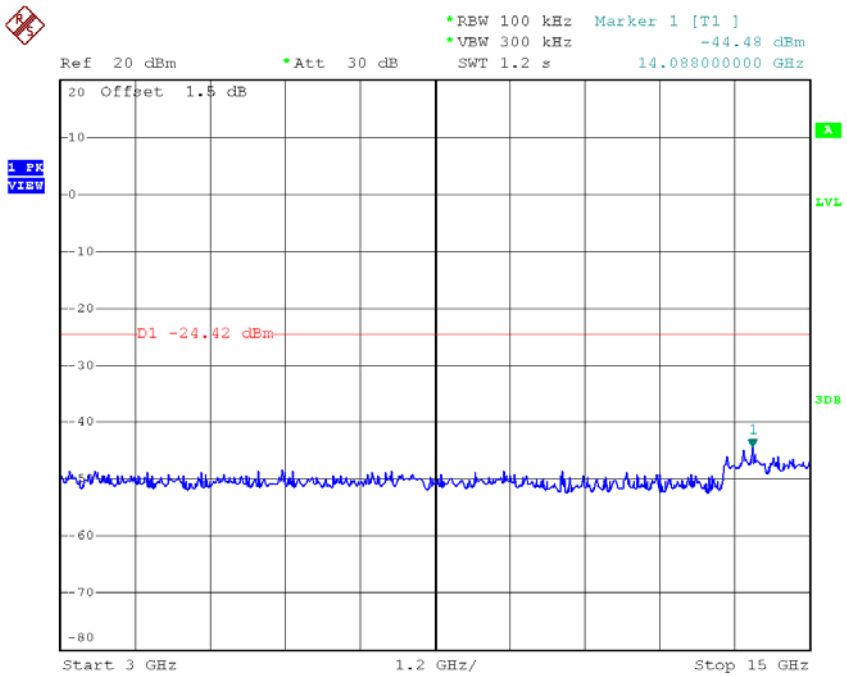


Date: 30.DEC.2016 09:39:32

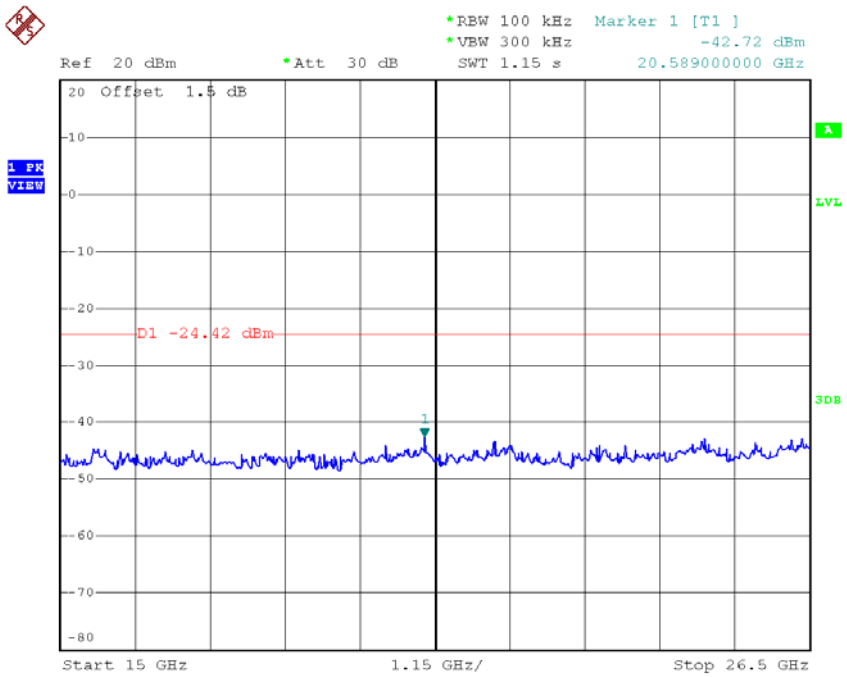
TX G mode CH06 (10 Harmonic of the frequency)



Date: 30.DEC.2016 09:41:13

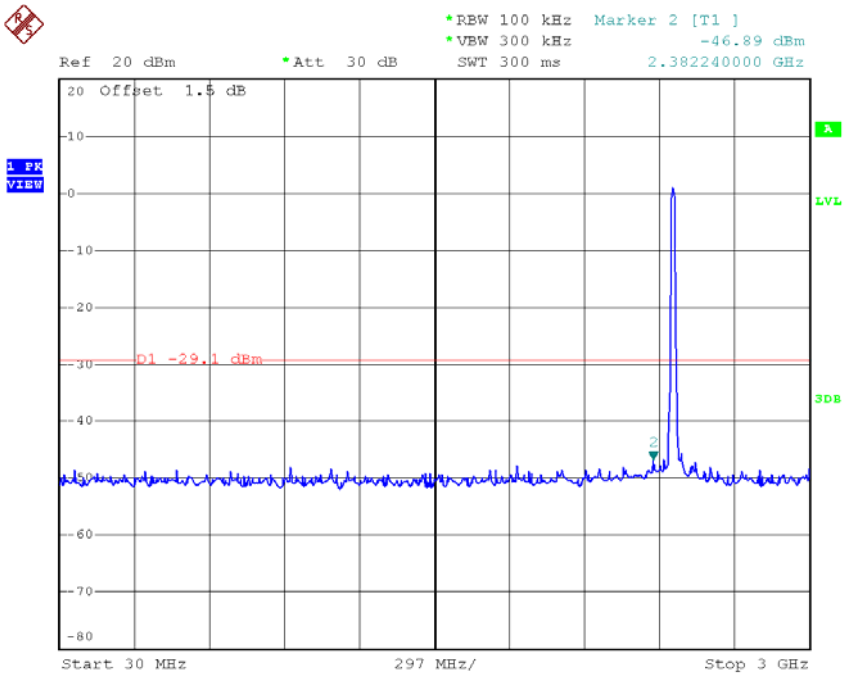


Date: 30.DEC.2016 09:41:21

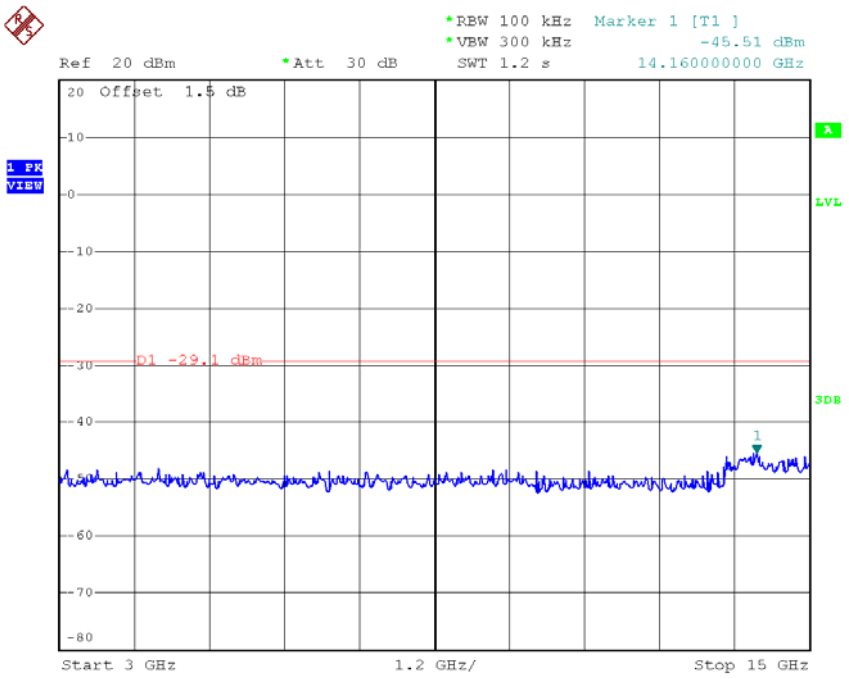


Date: 30.DEC.2016 09:41:30

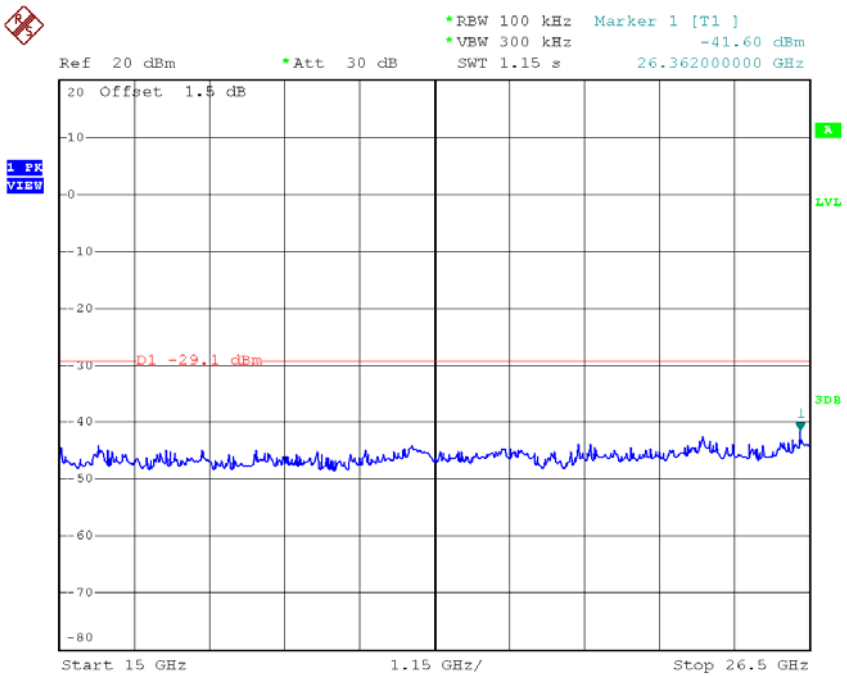
TX G mode CH11 (10 Harmonic of the frequency)



Date: 30.DEC.2016 09:42:50



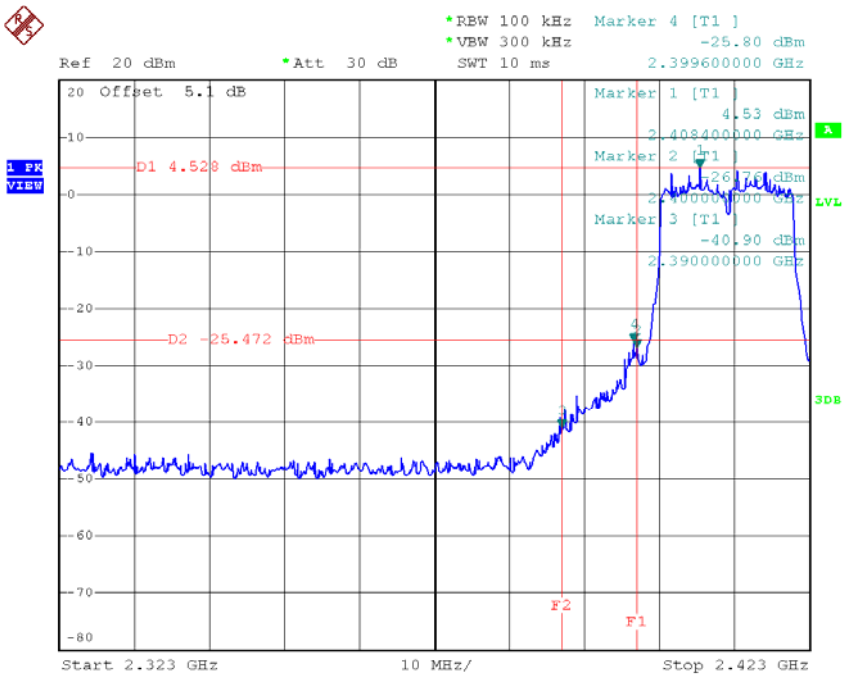
Date: 30.DEC.2016 09:42:59



Date: 30.DEC.2016 09:43:07

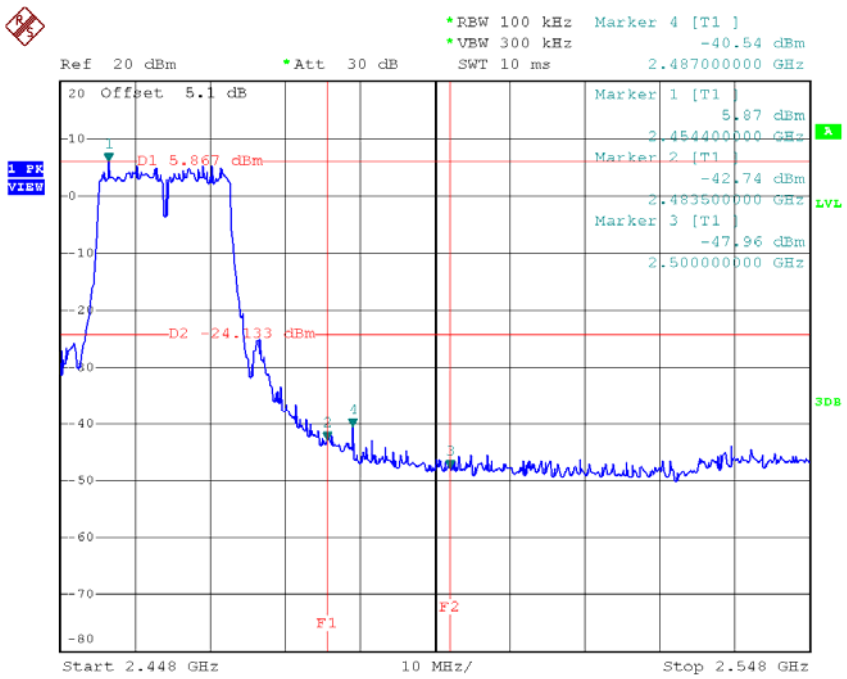
Test Mode:	TX N-20M Mode_ANT 0

TX HT20 mode CH01



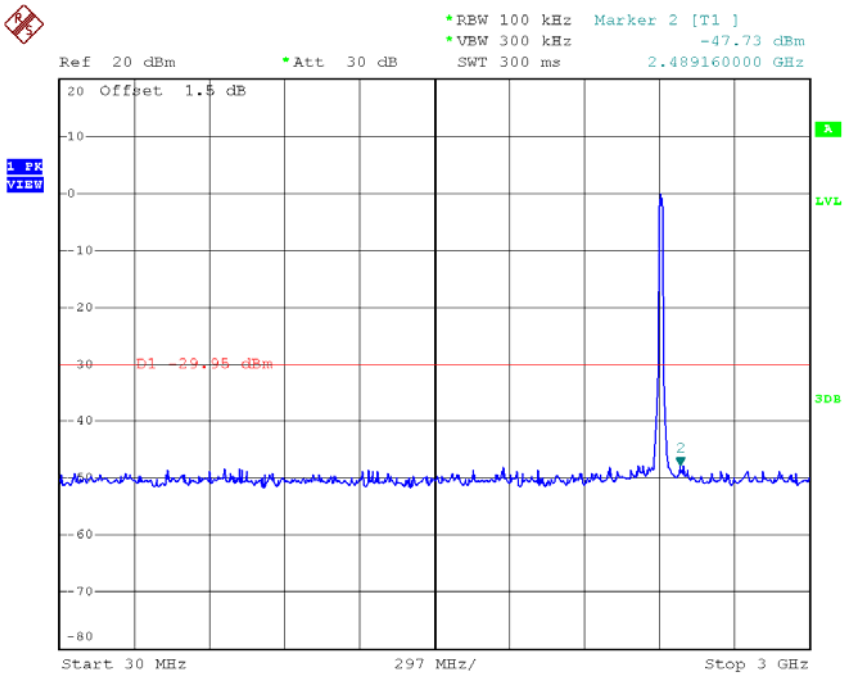
Date: 30.DEC.2016 09:44:41

TX HT20 mode CH11

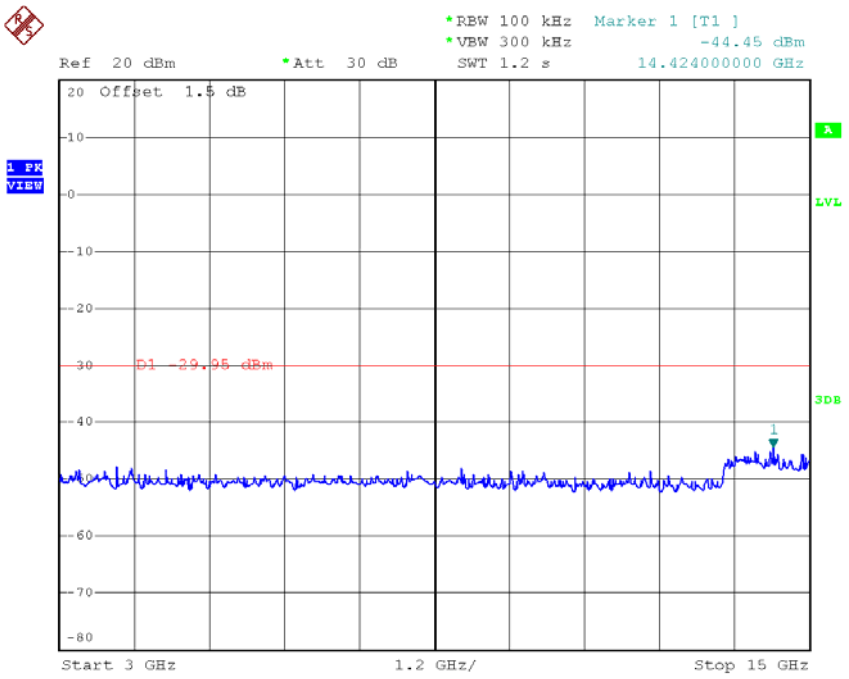


Date: 30.DEC.2016 09:51:49

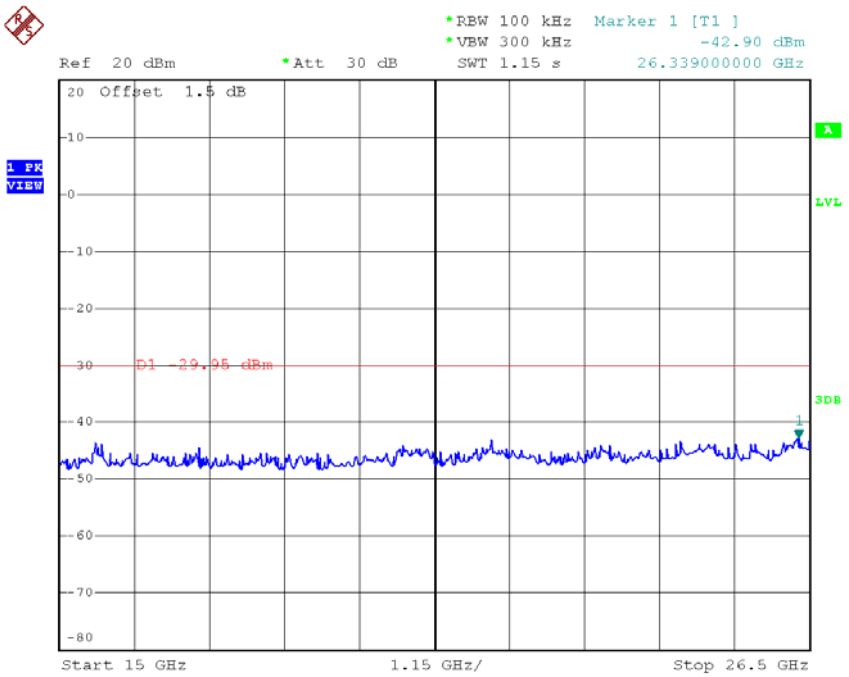
TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 30.DEC.2016 09:44:16

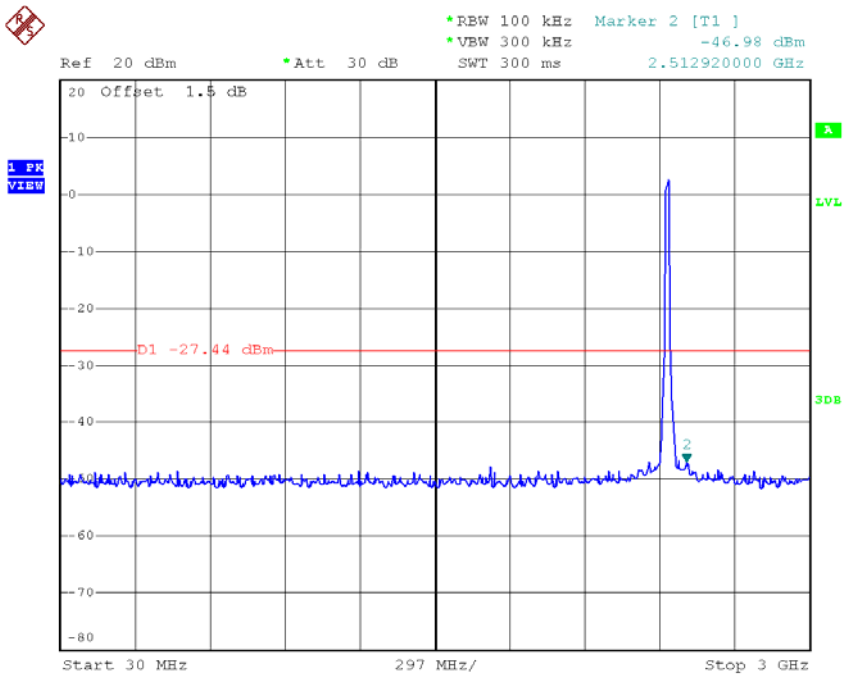


Date: 30.DEC.2016 09:44:24

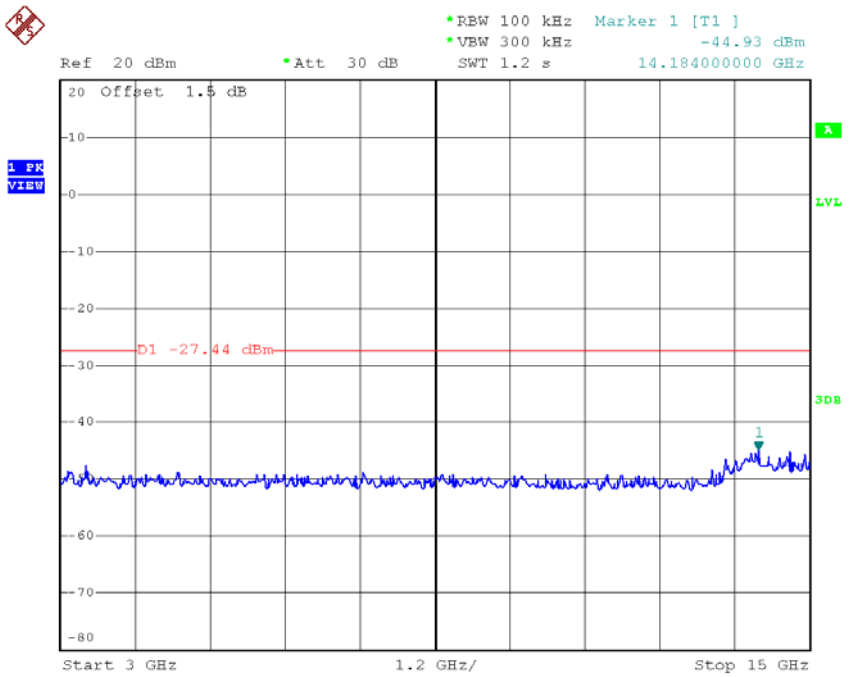


Date: 30.DEC.2016 09:44:33

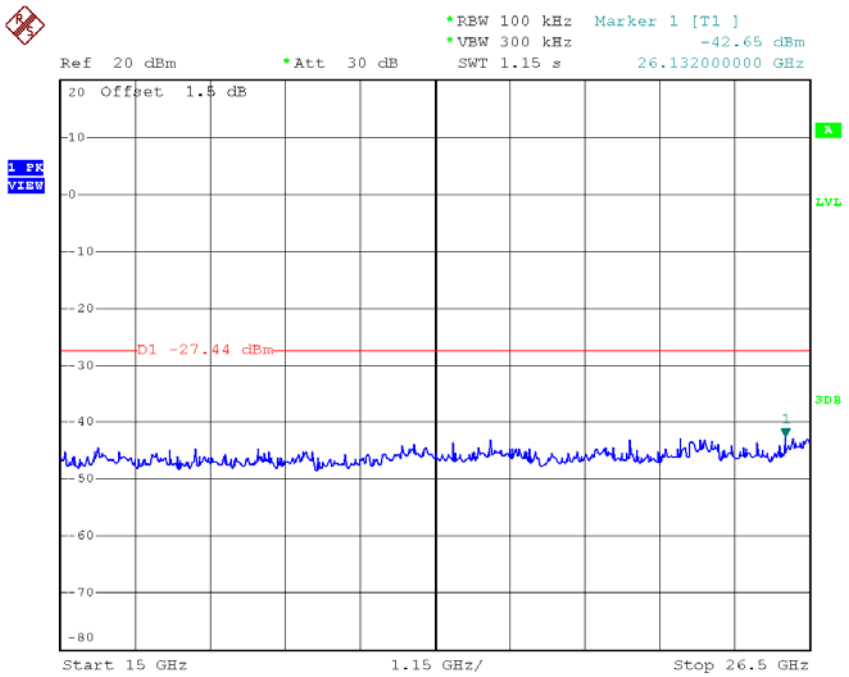
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 30.DEC.2016 09:50:12

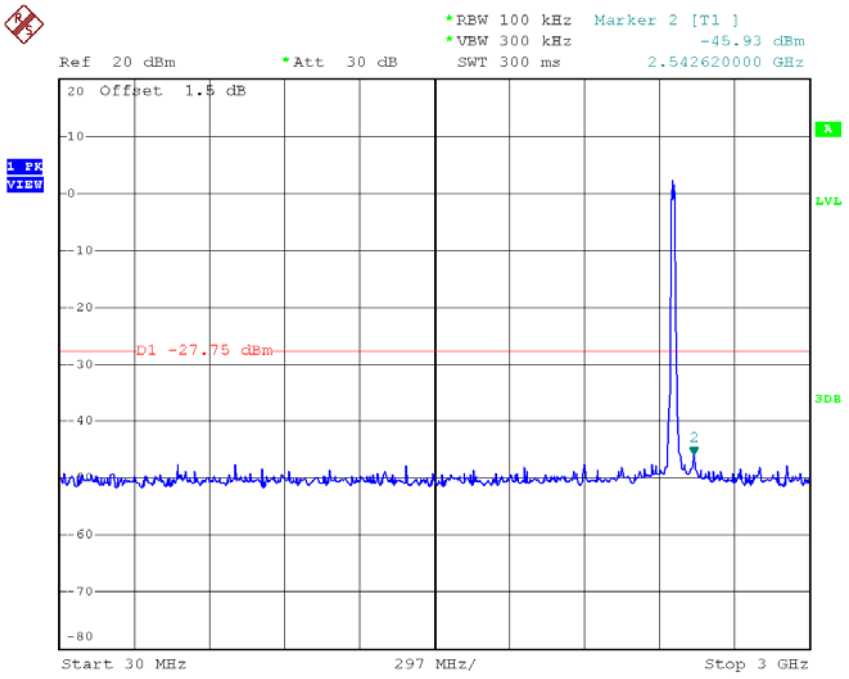


Date: 30.DEC.2016 09:50:20

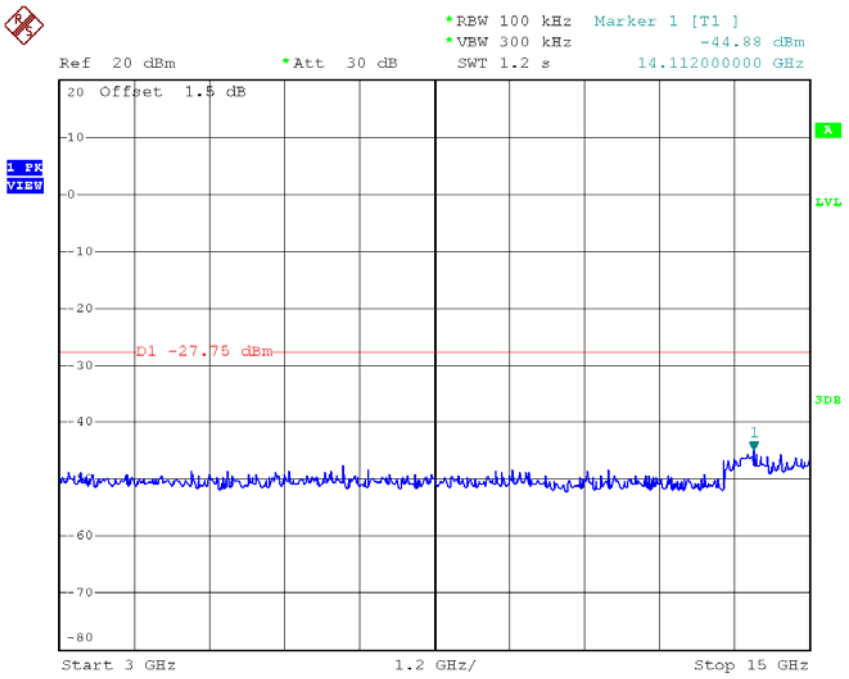


Date: 30.DEC.2016 09:50:29

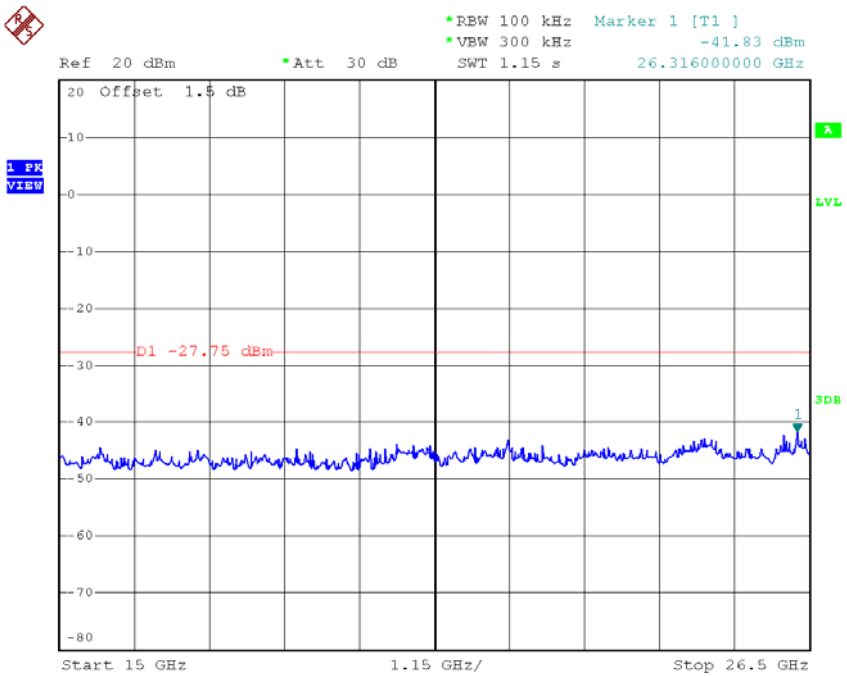
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 30.DEC.2016 09:51:25



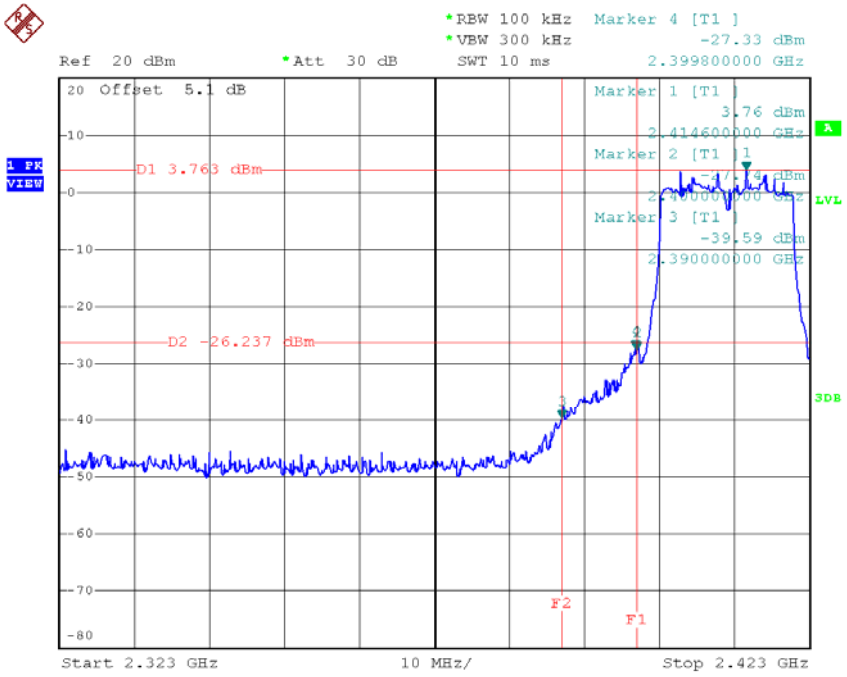
Date: 30.DEC.2016 09:51:33



Date: 30.DEC.2016 09:51:41

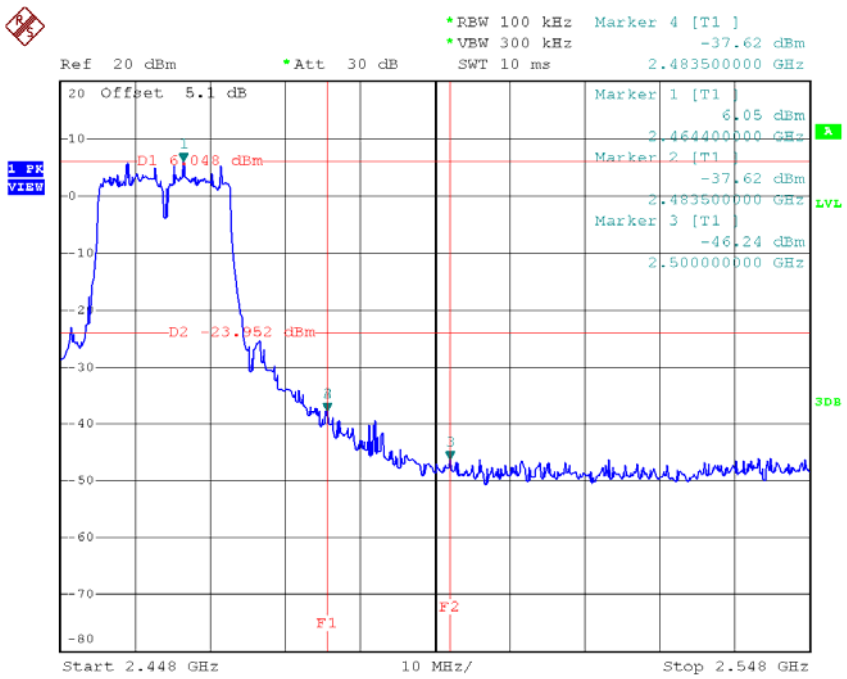
Test Mode:	TX N-20M Mode_ANT 1

TX HT20 mode CH01



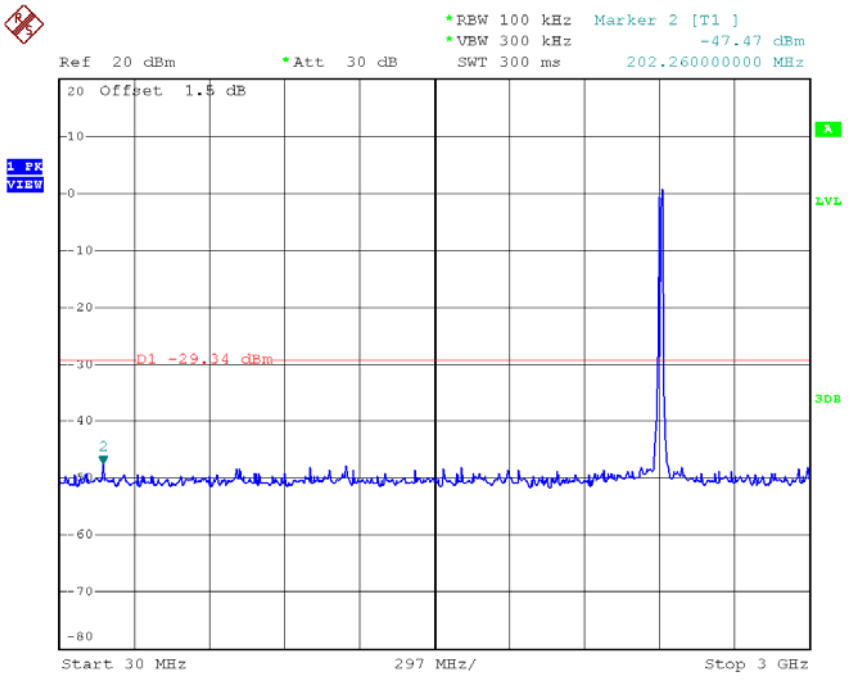
Date: 30.DEC.2016 10:22:17

TX HT20 mode CH11

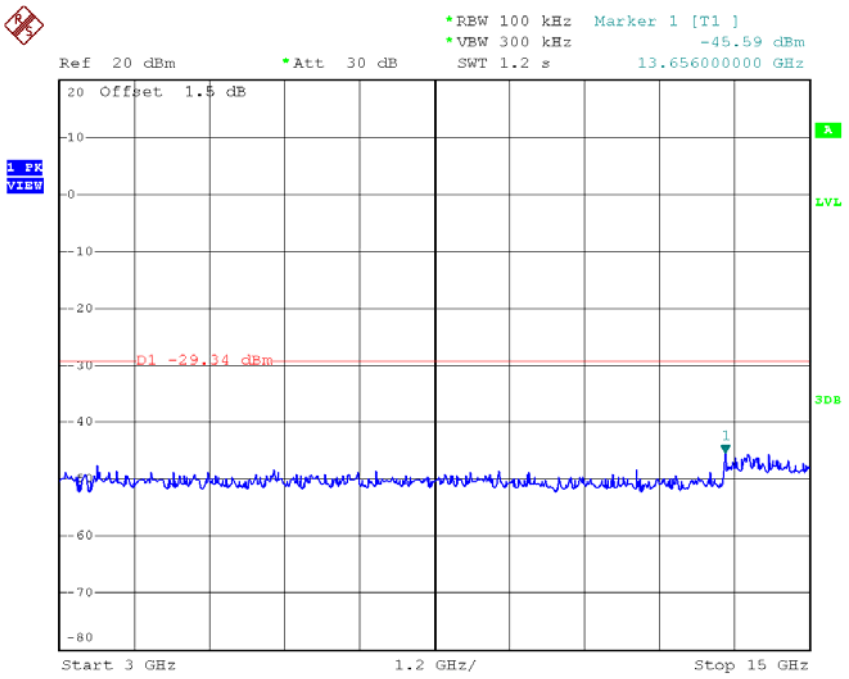


Date: 30.DEC.2016 10:25:53

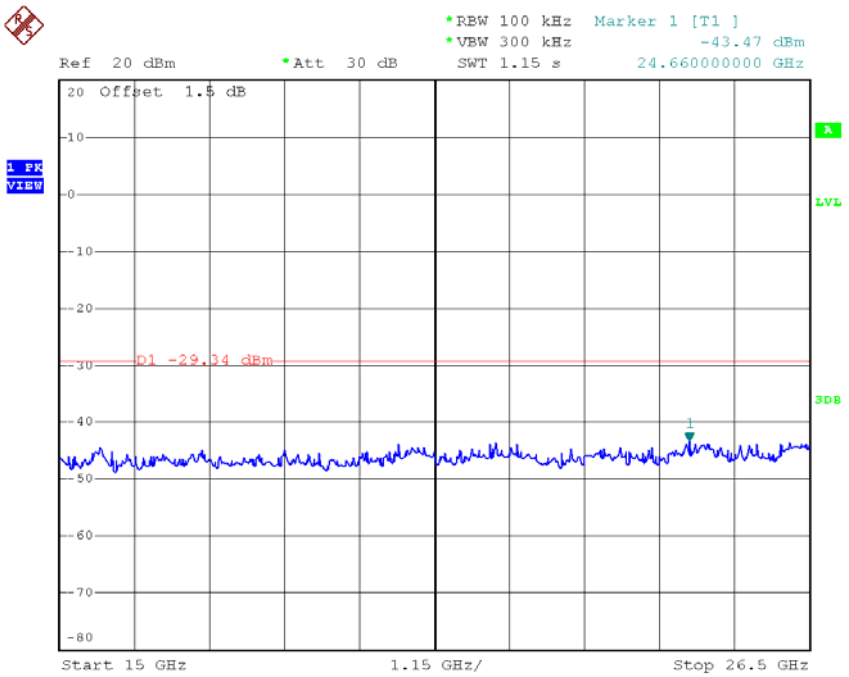
TX HT20 mode CH01 (10 Harmonic of the frequency)



Date: 30.DEC.2016 10:21:25

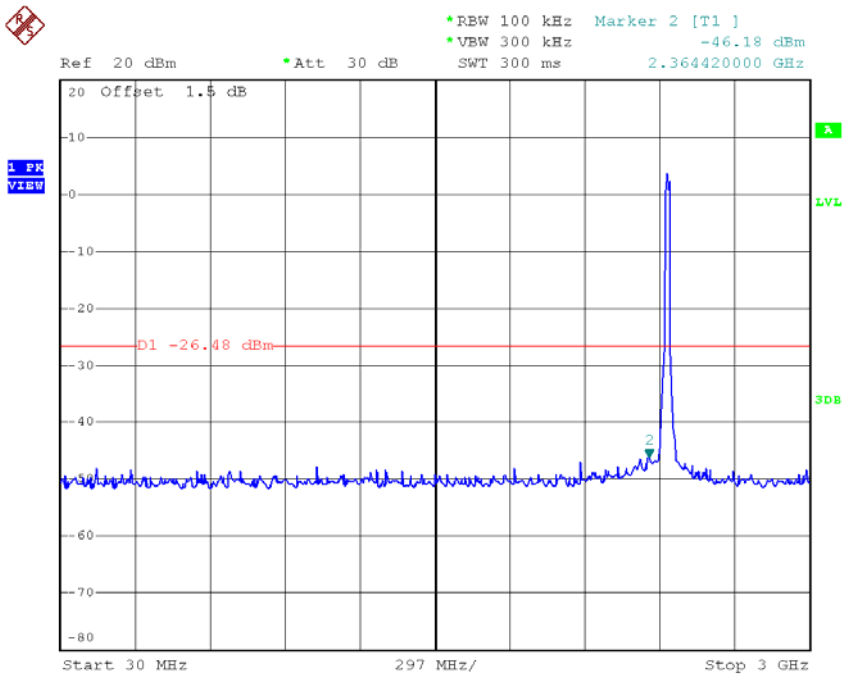


Date: 30.DEC.2016 10:21:33

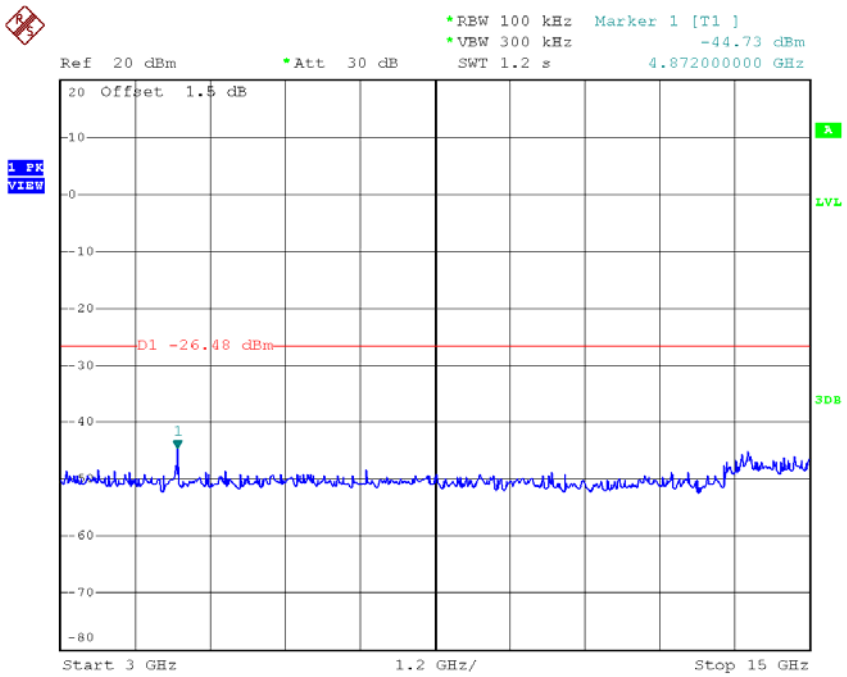


Date: 30.DEC.2016 10:21:41

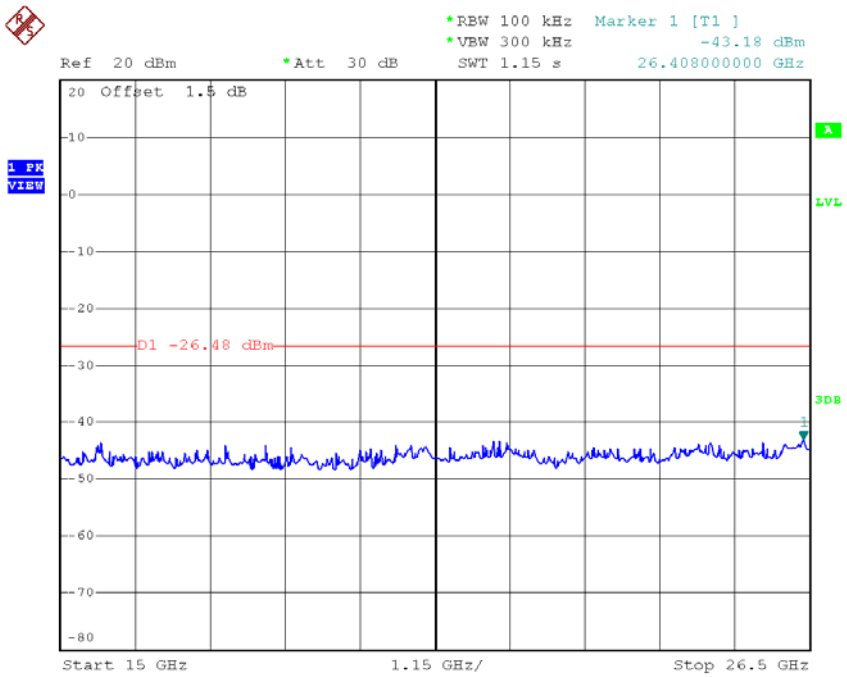
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 30.DEC.2016 10:24:04

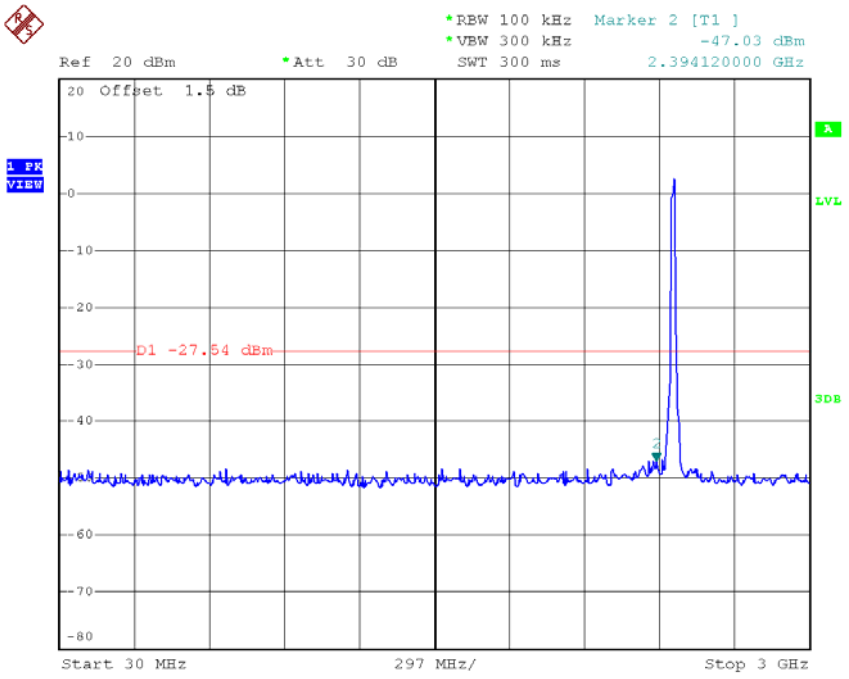


Date: 30.DEC.2016 10:24:13

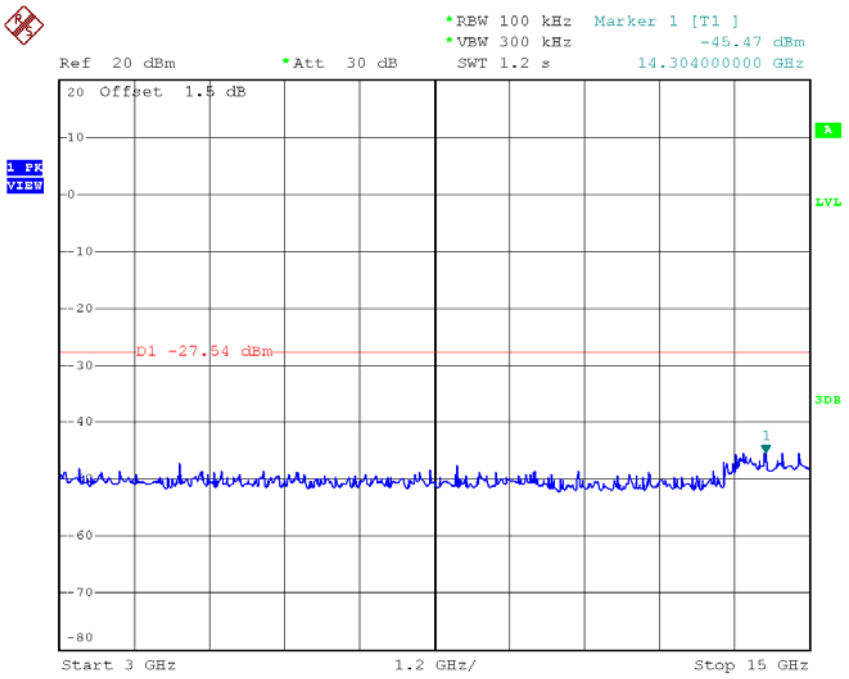


Date: 30.DEC.2016 10:24:21

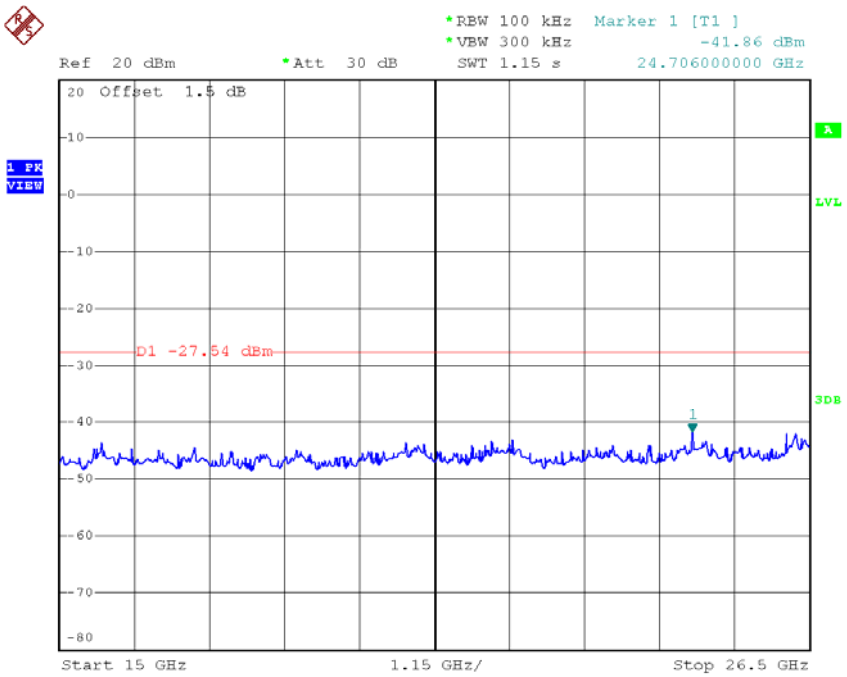
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 30.DEC.2016 10:25:28



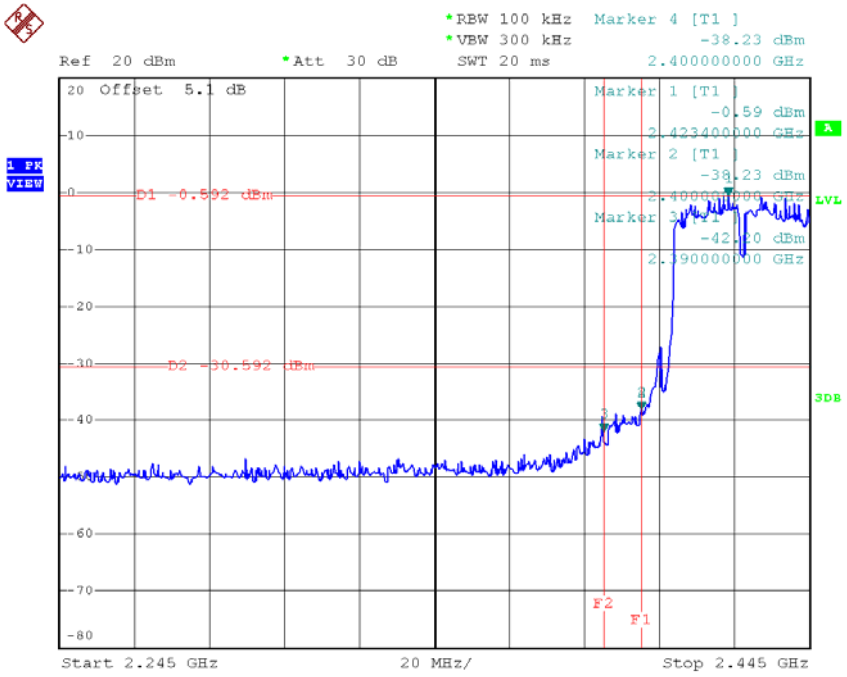
Date: 30.DEC.2016 10:25:37



Date: 30.DEC.2016 10:25:45

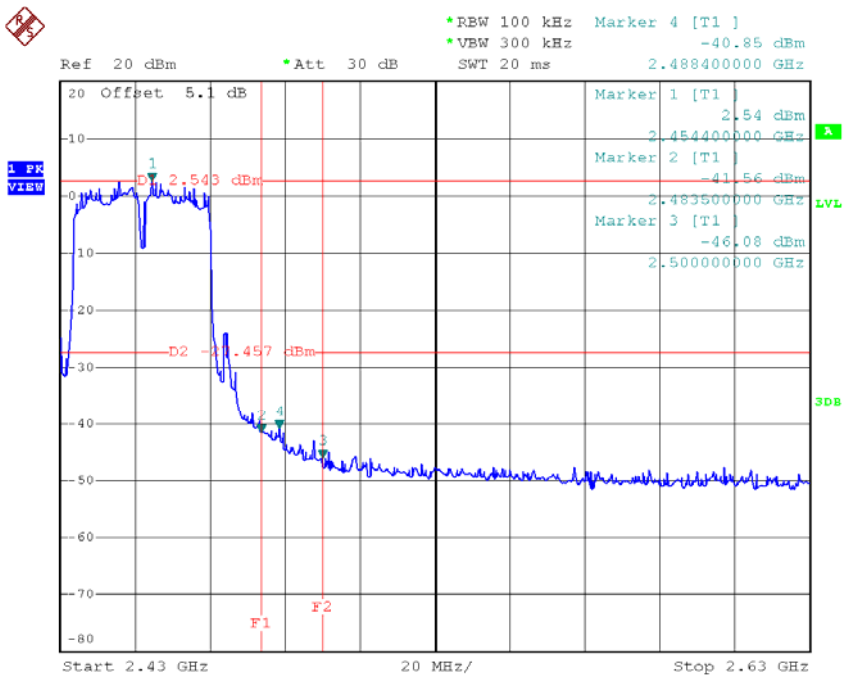
Test Mode:	TX N-40M Mode_ANT 0

TX HT40 mode CH04



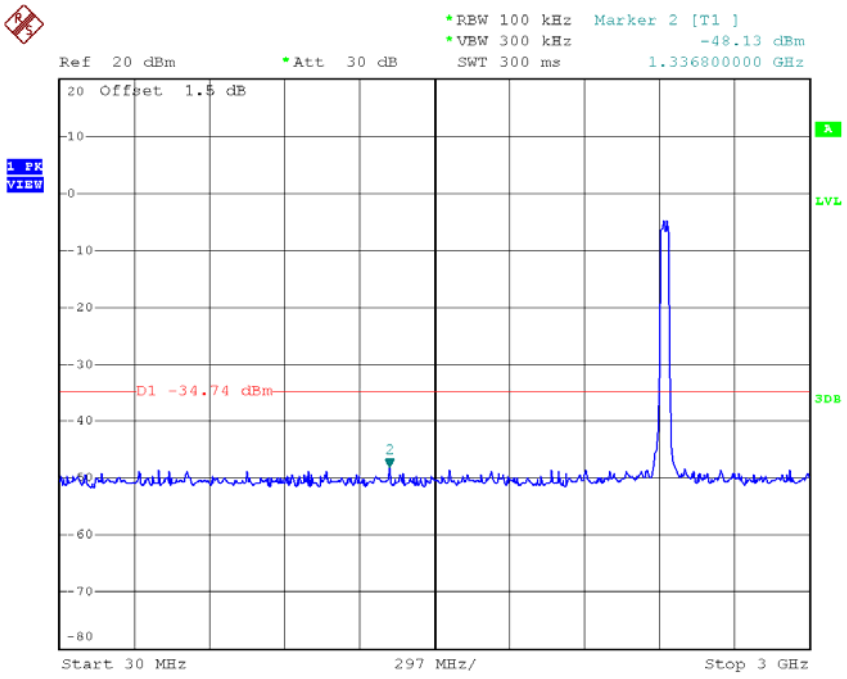
Date: 30.DEC.2016 11:00:00

TX HT40 mode CH09

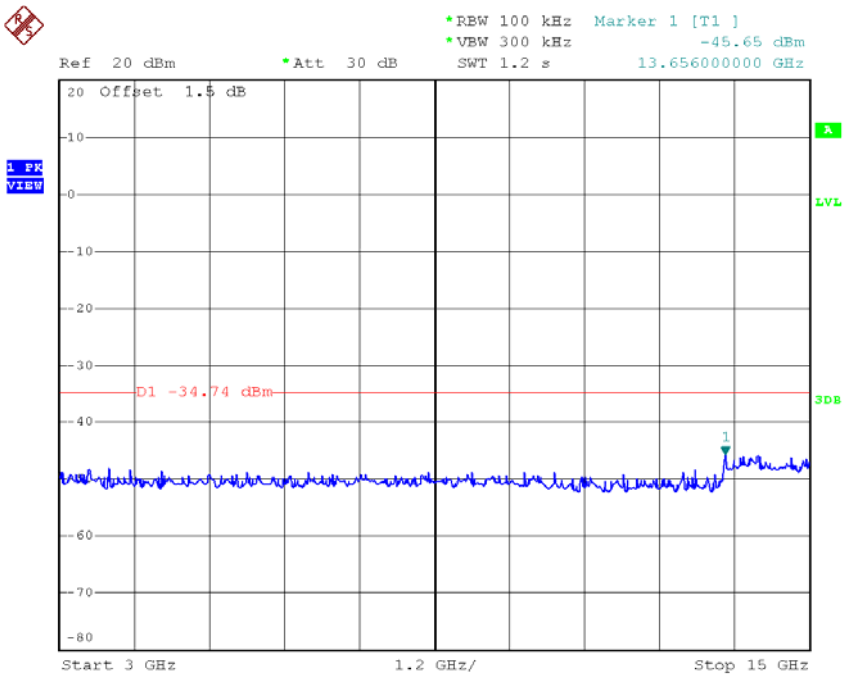


Date: 30.DEC.2016 10:19:13

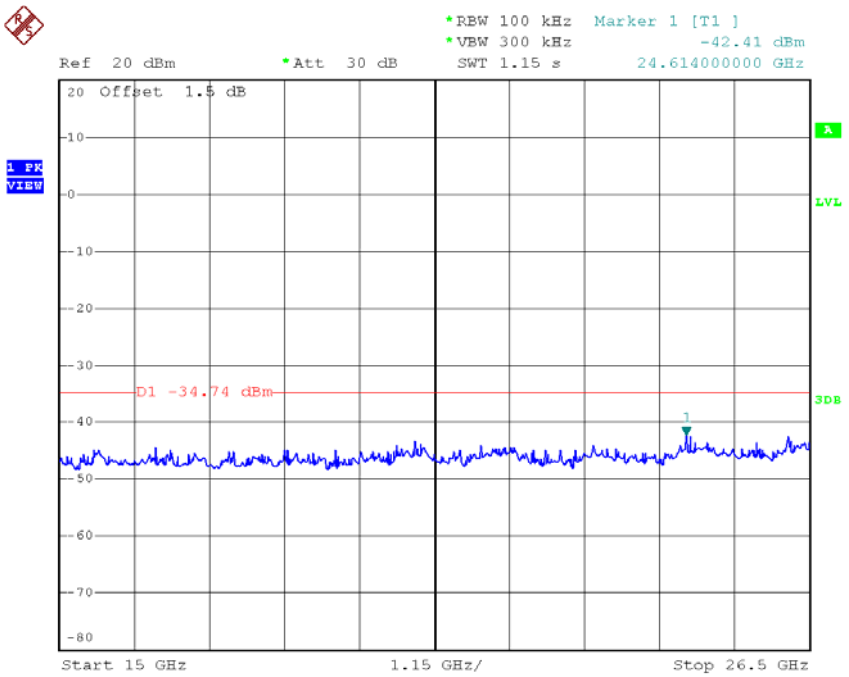
TX HT40 mode CH04 (10 Harmonic of the frequency)



Date: 30.DEC.2016 11:05:07

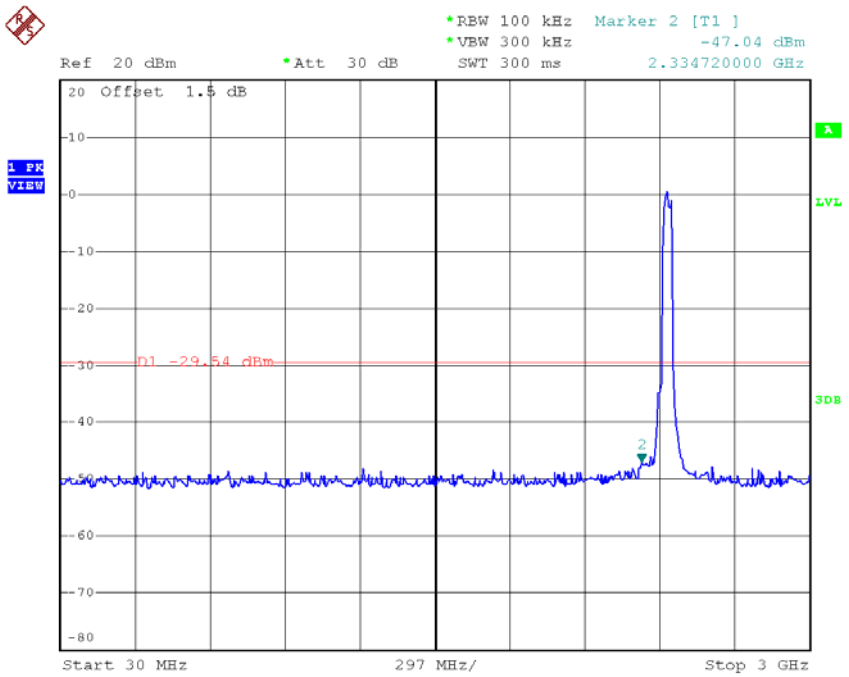


Date: 30.DEC.2016 11:05:17

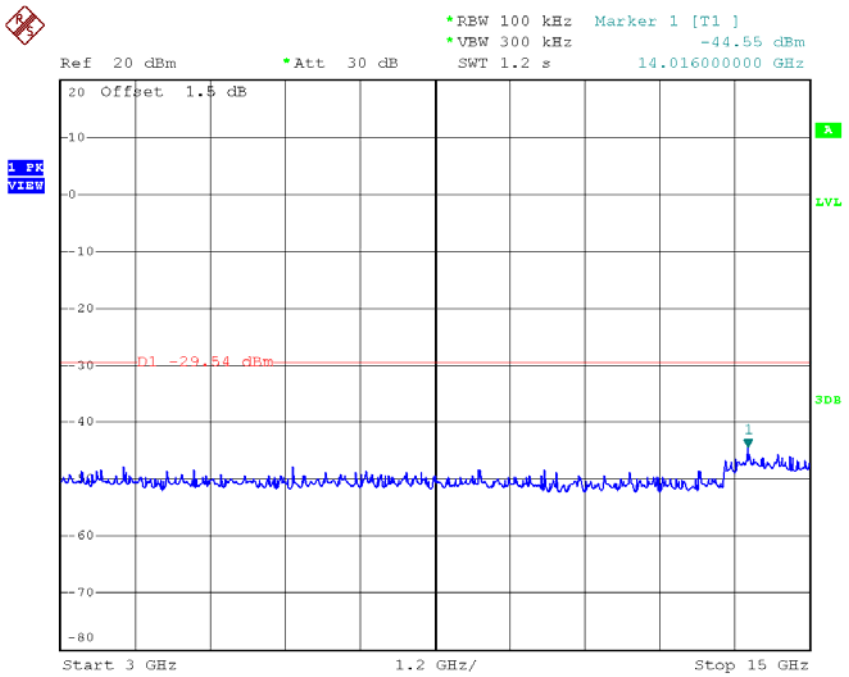


Date: 30.DEC.2016 11:05:26

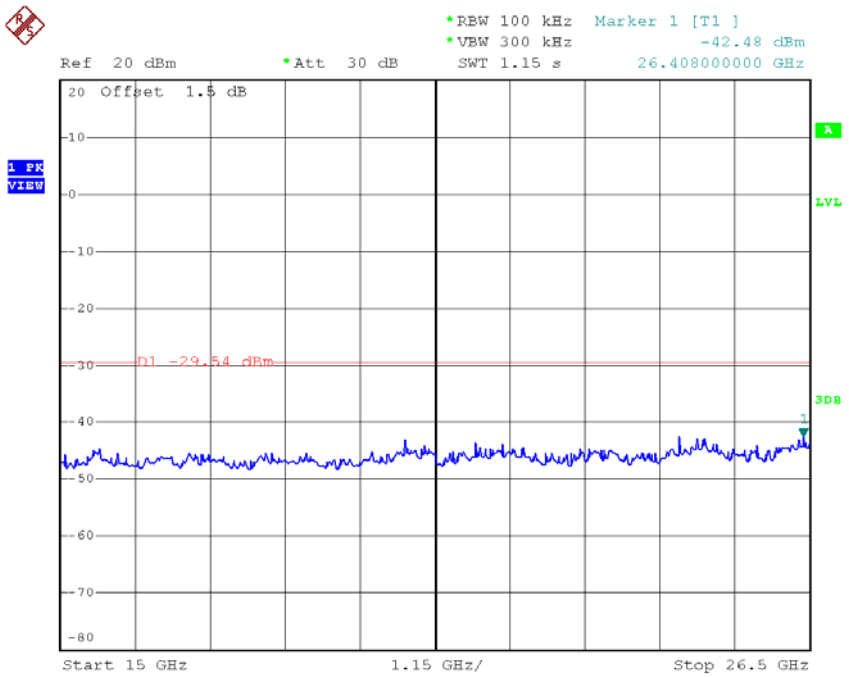
TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 30.DEC.2016 10:17:00

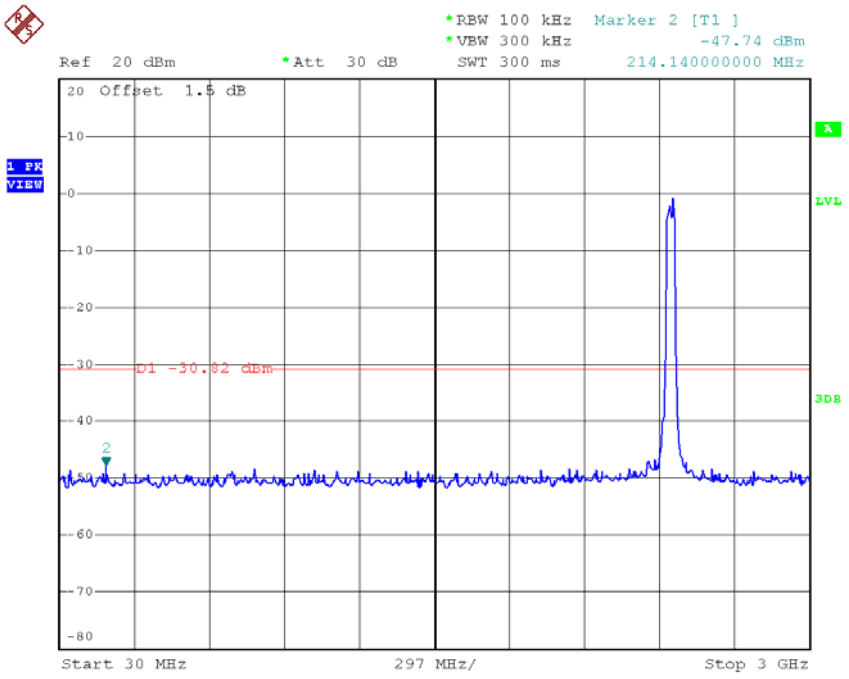


Date: 30.DEC.2016 10:17:09

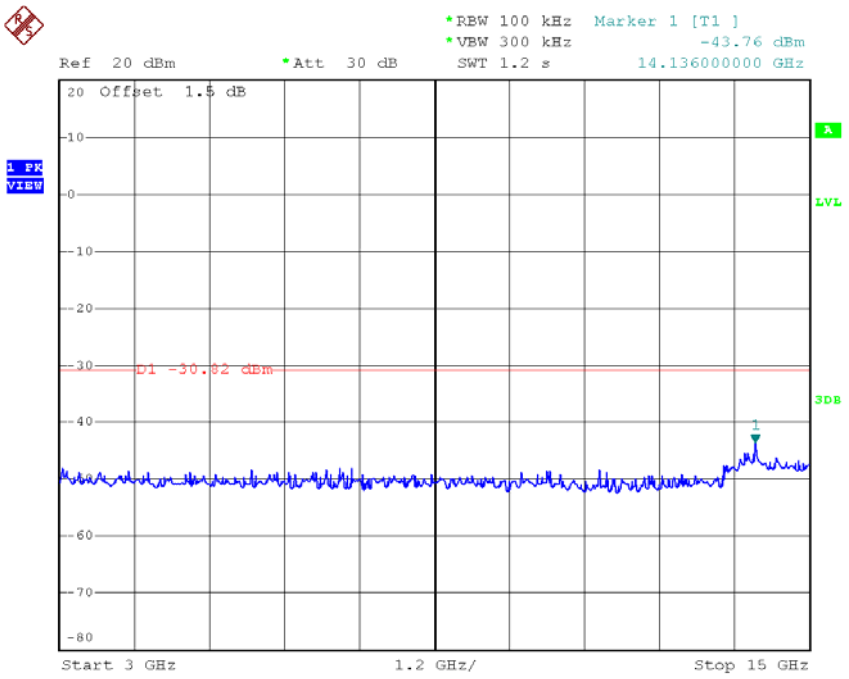


Date: 30.DEC.2016 10:17:17

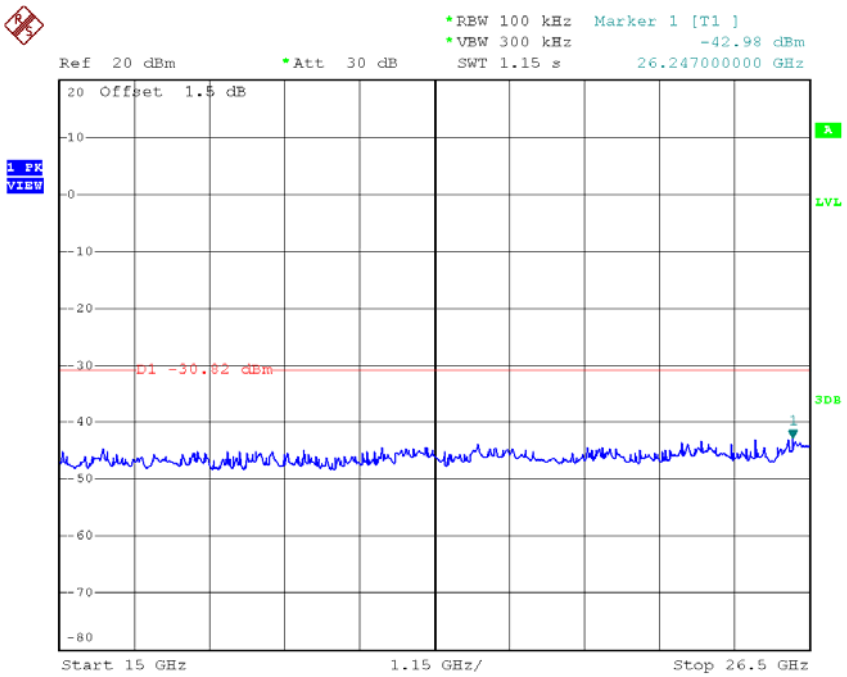
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 30.DEC.2016 10:18:49



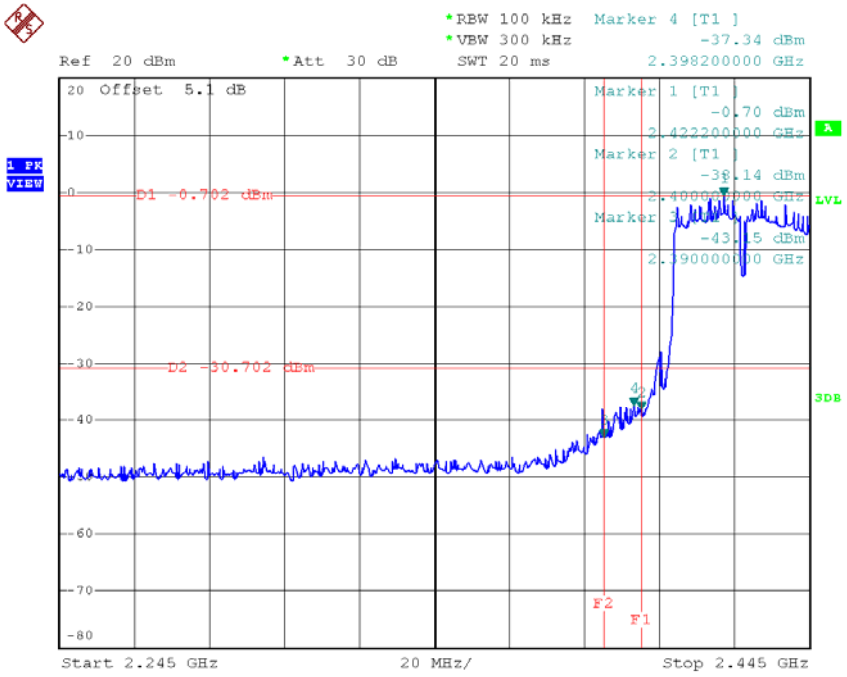
Date: 30.DEC.2016 10:18:57



Date: 30.DEC.2016 10:19:05

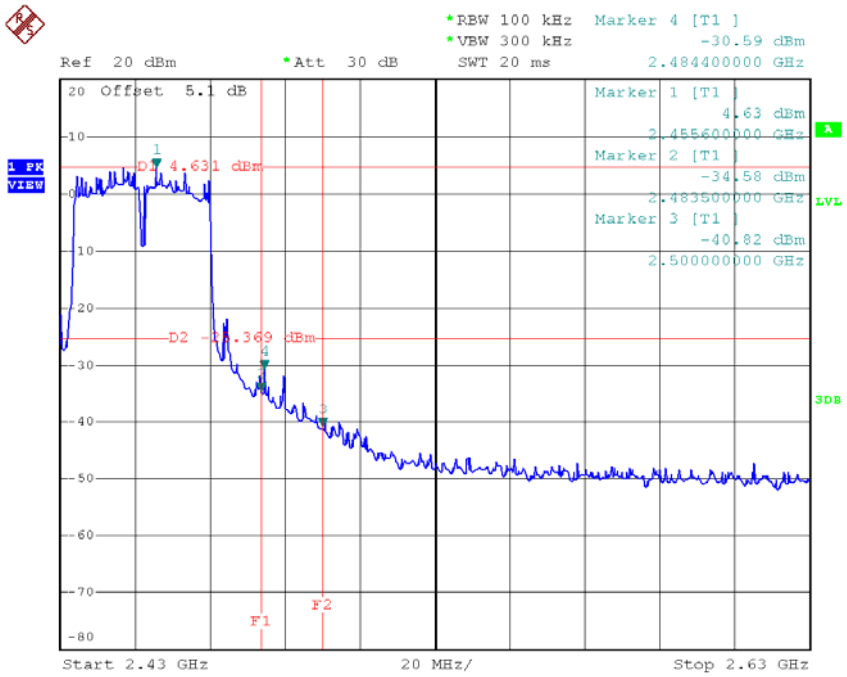
Test Mode:	TX N-40M Mode_ANT 1

TX HT40 mode CH04



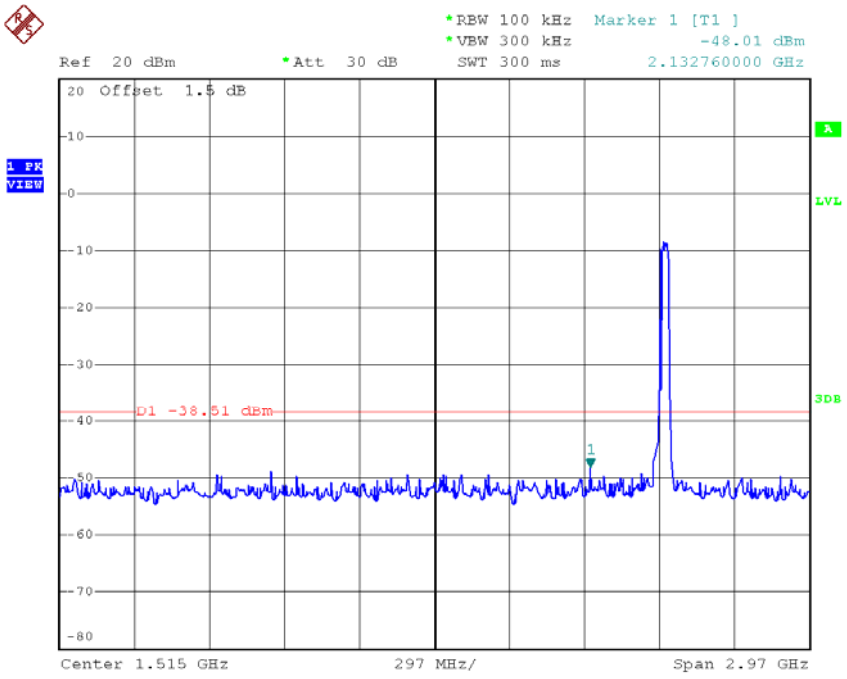
Date: 30.DEC.2016 10:39:01

TX HT40 mode CH09

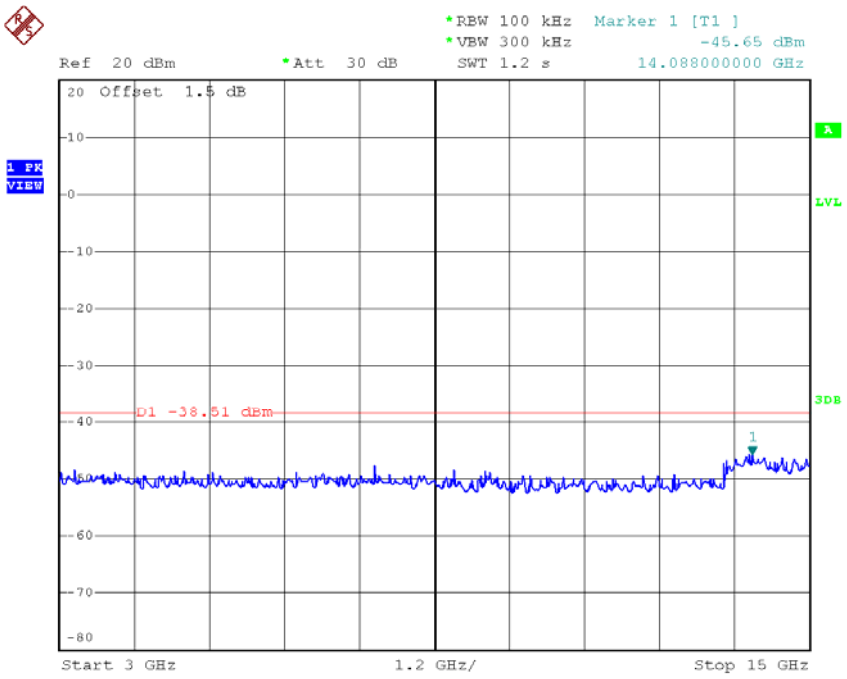


Date: 30.DEC.2016 10:29:57

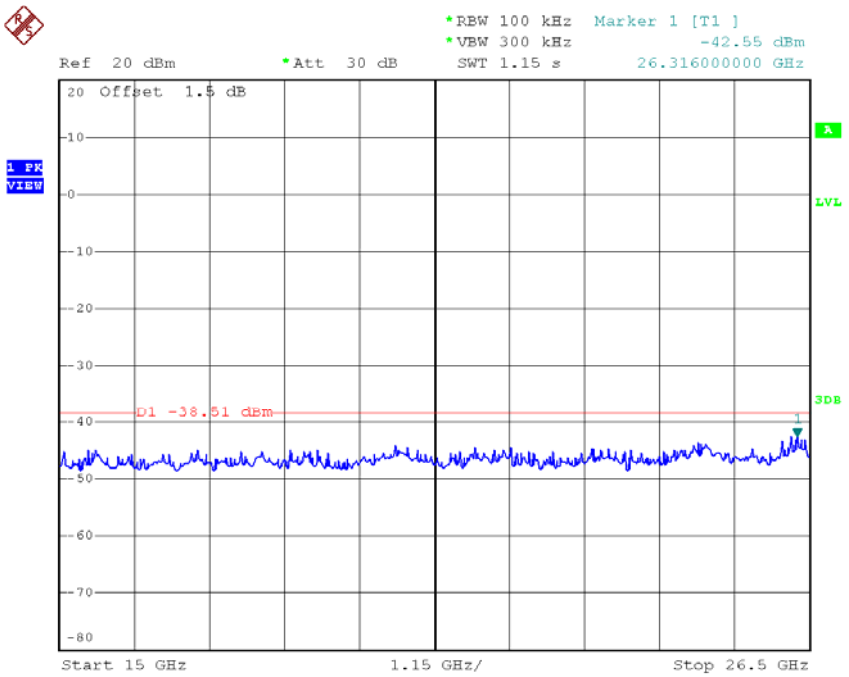
TX HT40 mode CH04 (10 Harmonic of the frequency)



Date: 30.DEC.2016 10:47:43

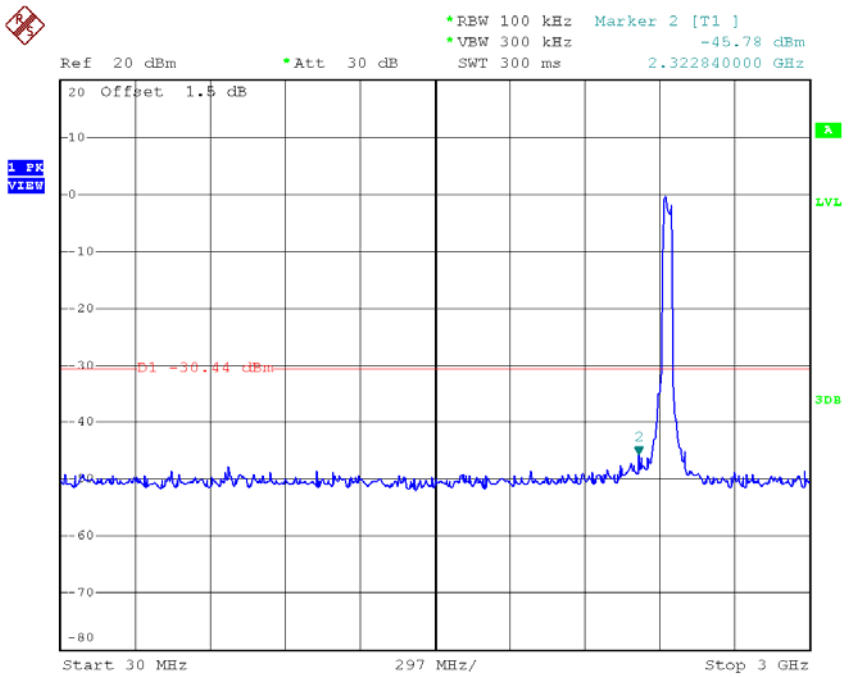


Date: 30.DEC.2016 10:55:33

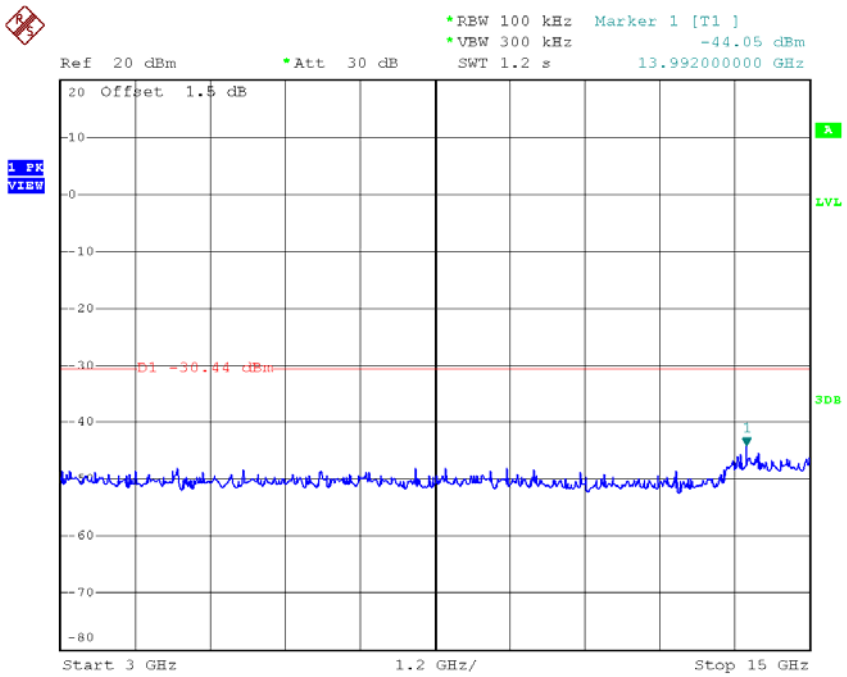


Date: 30.DEC.2016 10:56:02

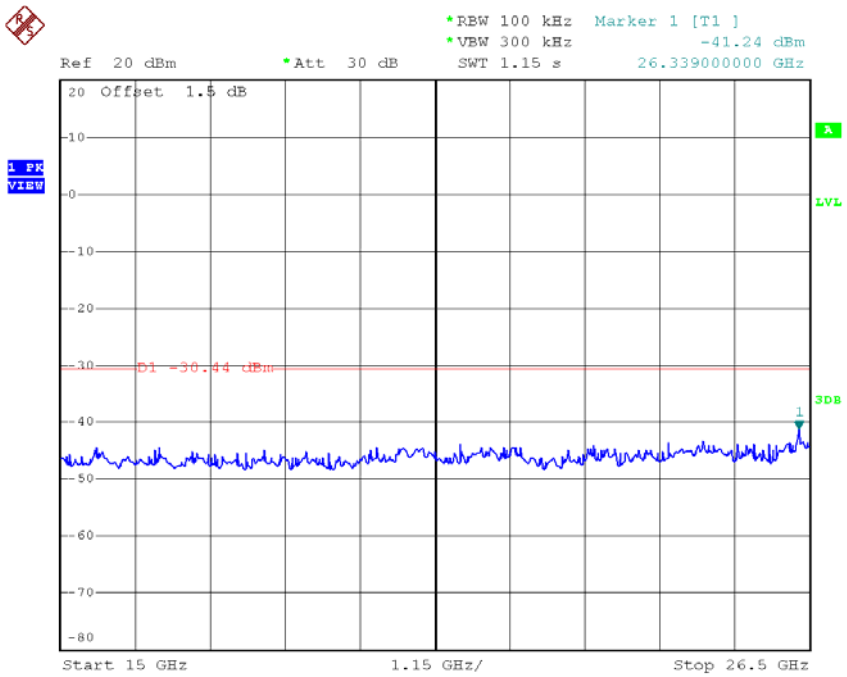
TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 30.DEC.2016 10:27:27

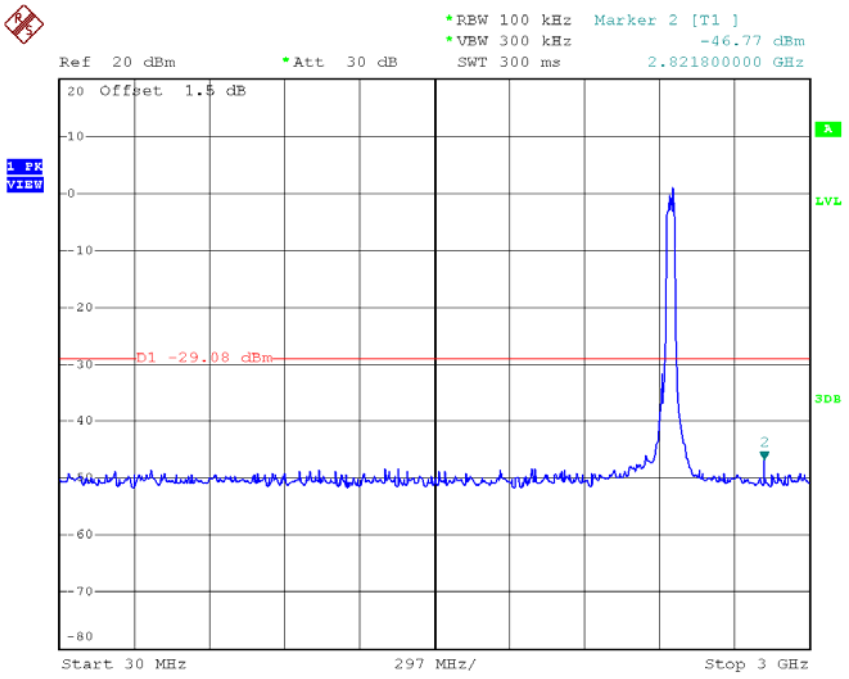


Date: 30.DEC.2016 10:27:36

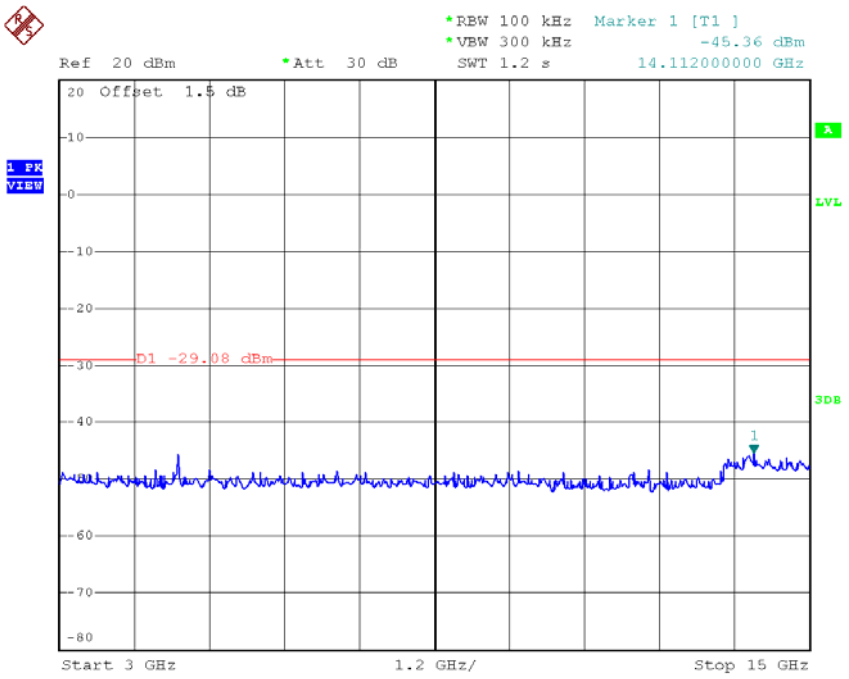


Date: 30.DEC.2016 10:27:44

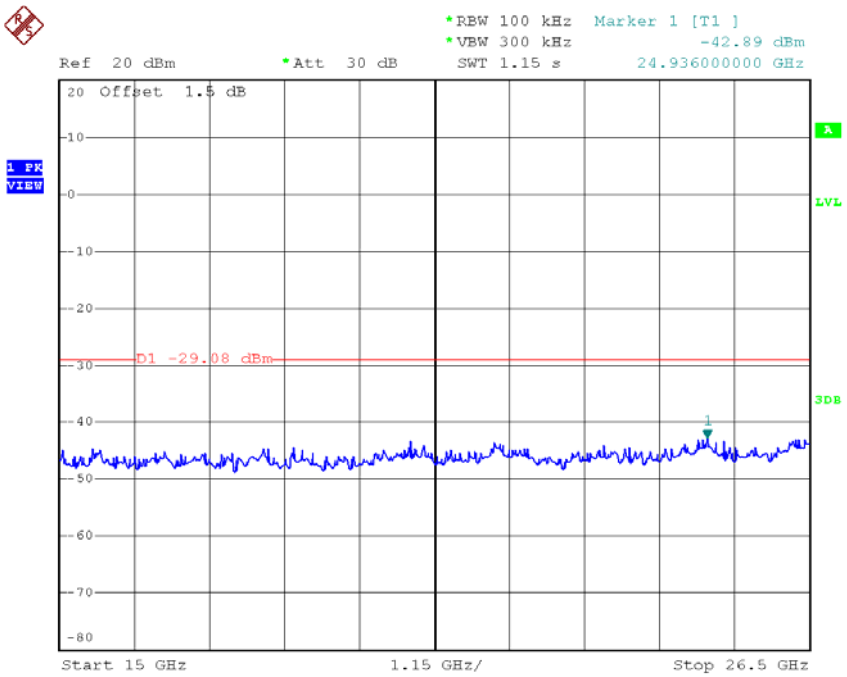
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 30.DEC.2016 10:29:32



Date: 30.DEC.2016 10:29:41

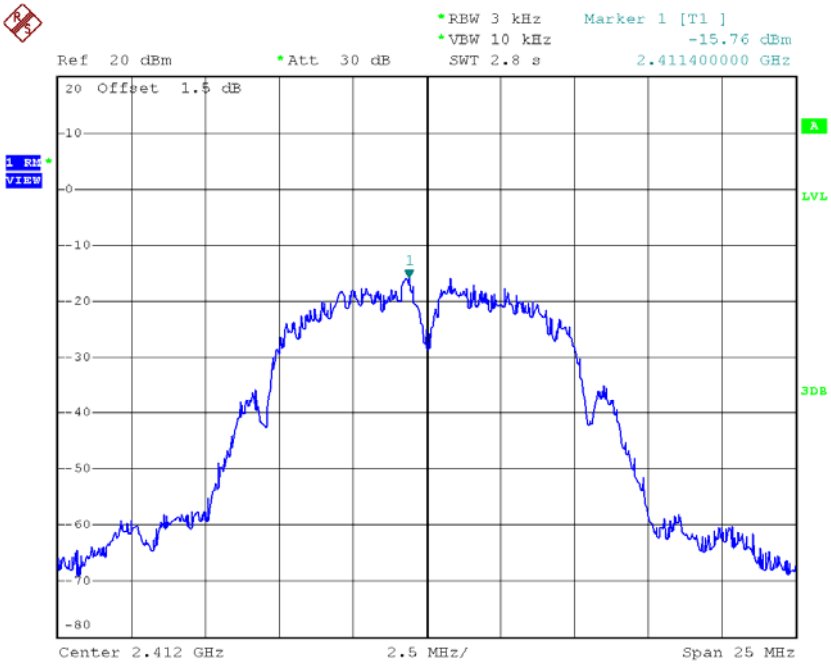


Date: 30.DEC.2016 10:29:49

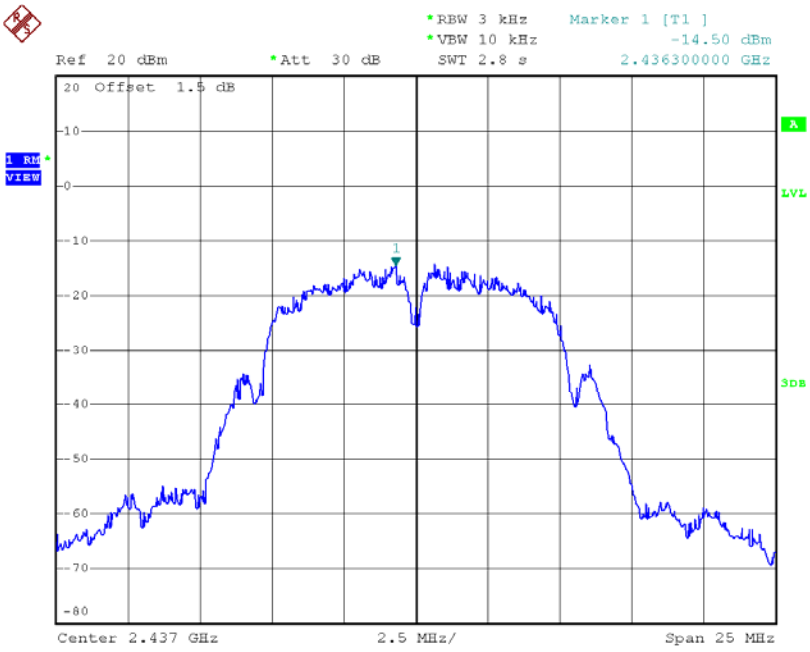
ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode: TX B Mode_CH01/06/11_ANT 0				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-15.76	0.027	8.00	Complies
2437	-14.50	0.035	8.00	Complies
2462	-14.46	0.036	8.00	Complies

TX CH01

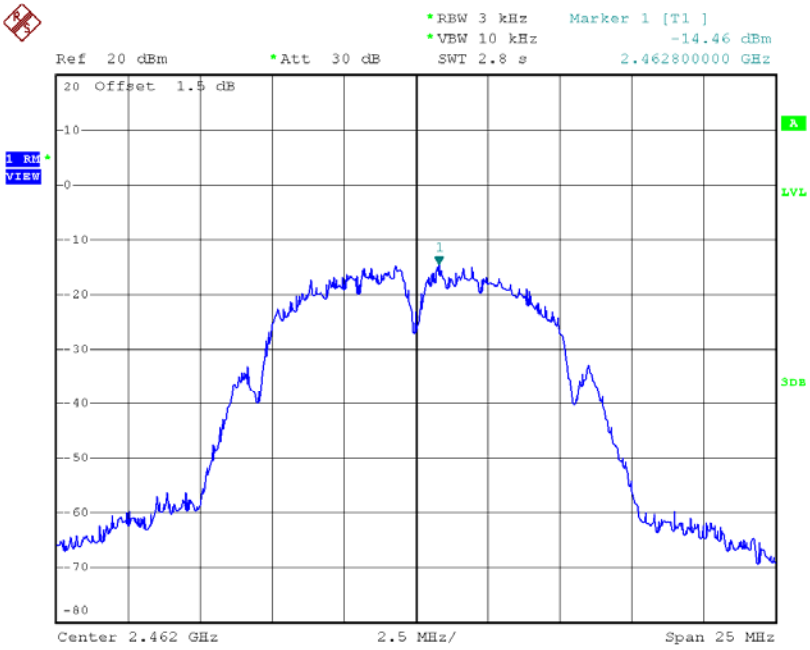


TX CH06



Date: 24.JAN.2017 11:11:44

TX CH11

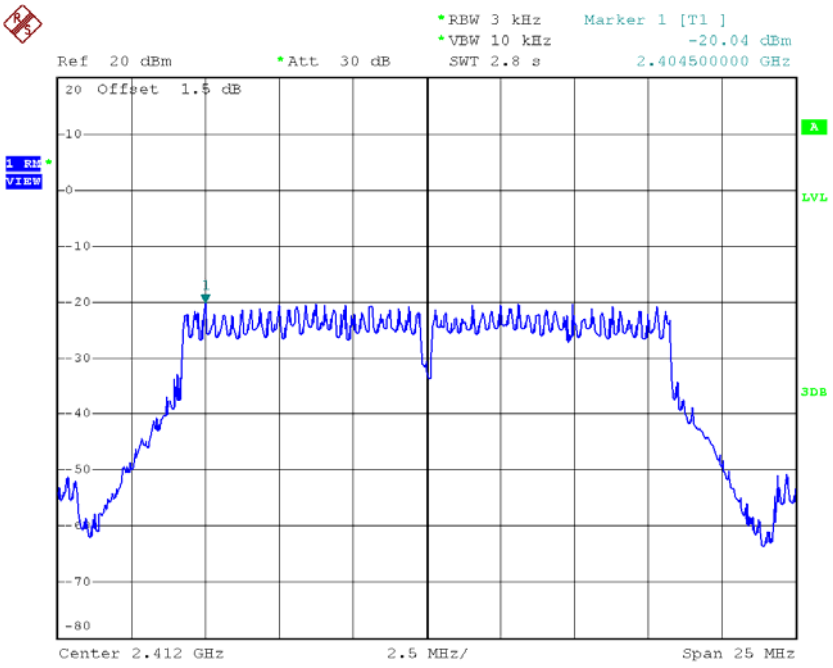


Date: 24.JAN.2017 11:13:23

Test Mode: TX G Mode_CH01/06/11_ANT 0				

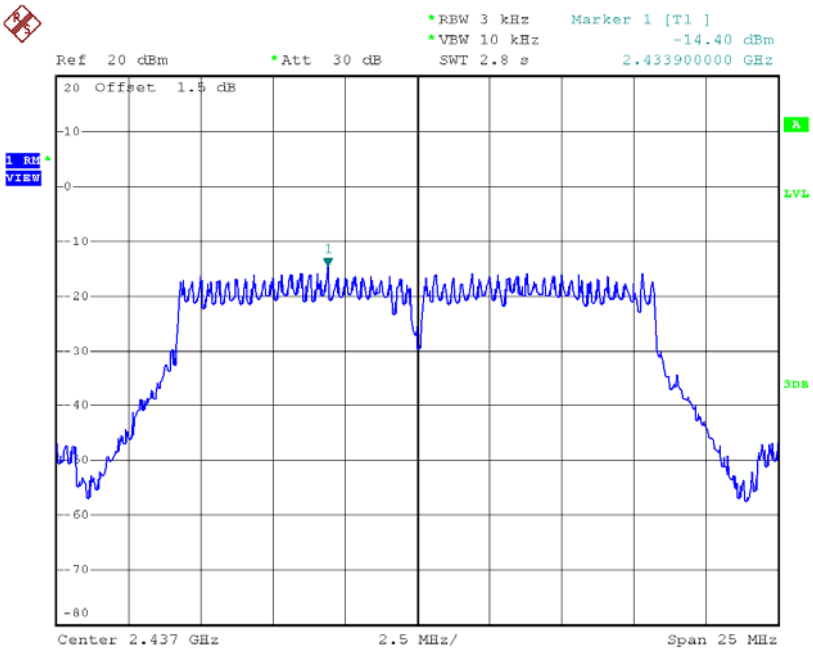
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-20.04	0.010	8.00	Complies
2437	-14.40	0.036	8.00	Complies
2462	-18.29	0.015	8.00	Complies

TX CH01



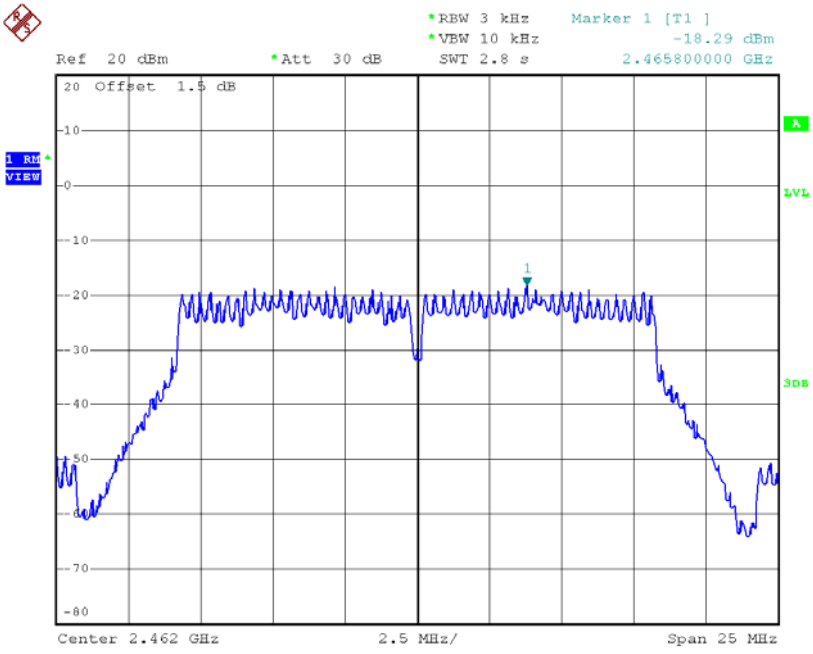
Date: 24.JAN.2017 11:18:11

TX CH06



Date: 24.JAN.2017 11:20:45

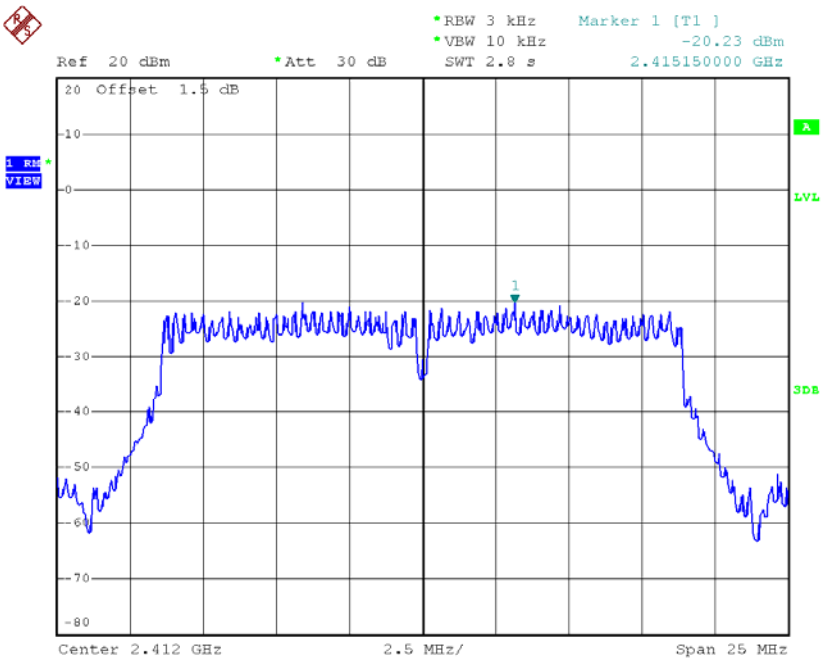
TX CH11



Date: 24.JAN.2017 11:22:22

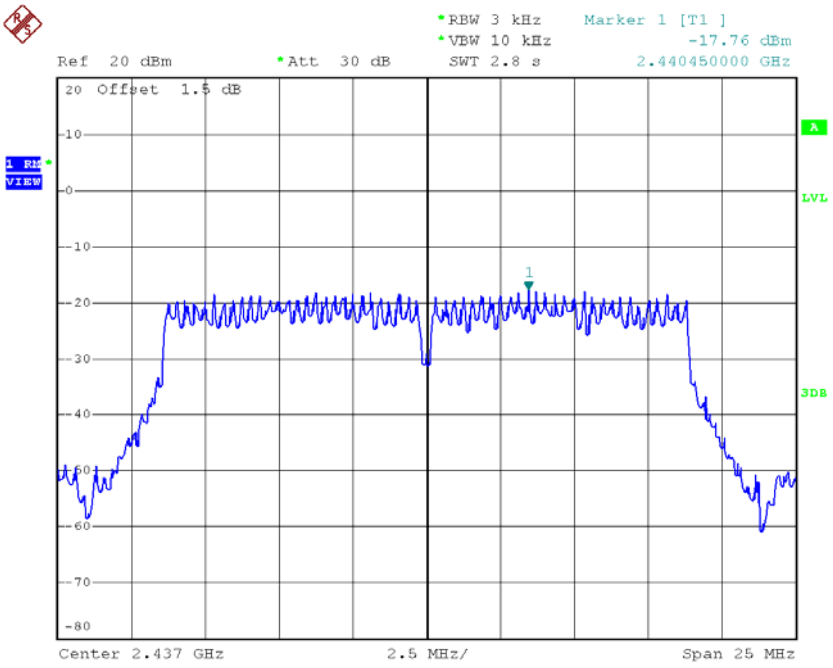
Test Mode: TX N-20M Mode_CH01/06/11_ANT 0				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-20.23	0.009	8.00	Complies
2437	-17.76	0.017	8.00	Complies
2462	-17.99	0.016	8.00	Complies

TX CH01



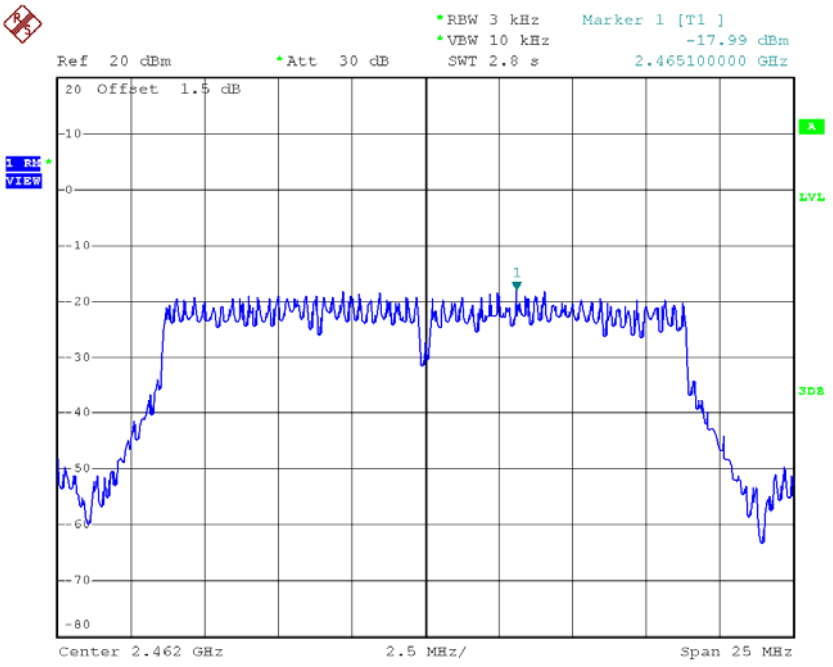
Date: 24.JAN.2017 11:25:02

TX CH06



Date: 24.JAN.2017 11:26:32

TX CH11

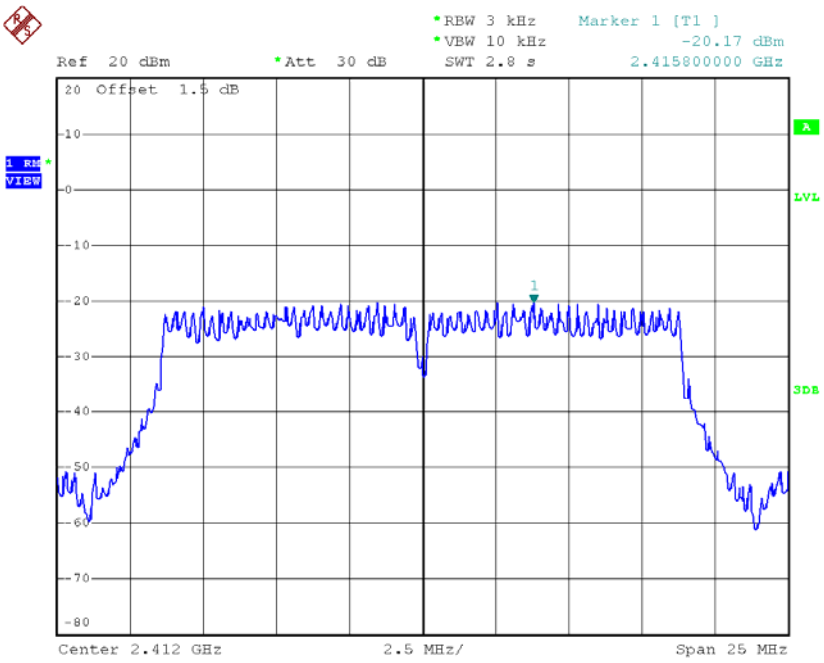


Date: 24.JAN.2017 11:28:45

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

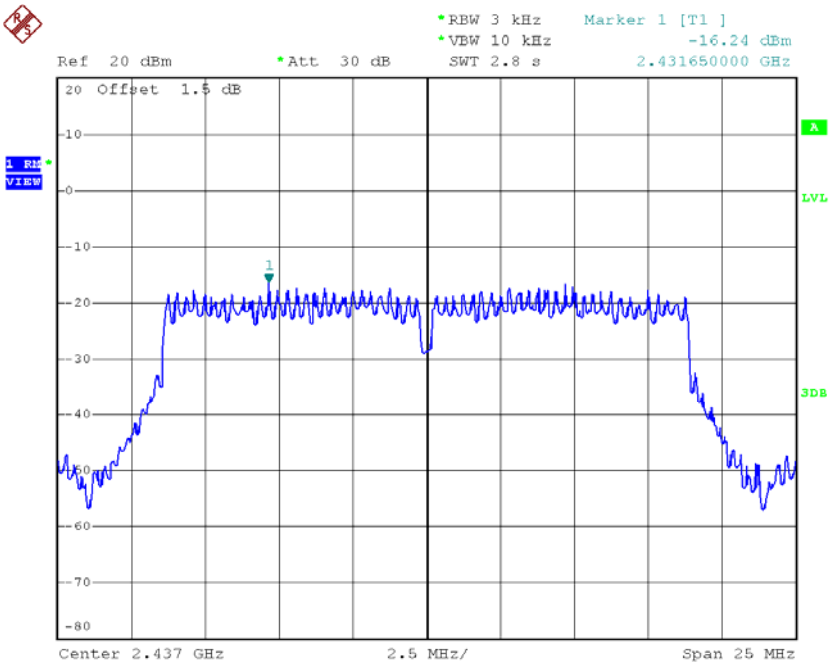
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-20.17	0.010	8.00	Complies
2437	-16.24	0.024	8.00	Complies
2462	-17.19	0.019	8.00	Complies

TX CH01



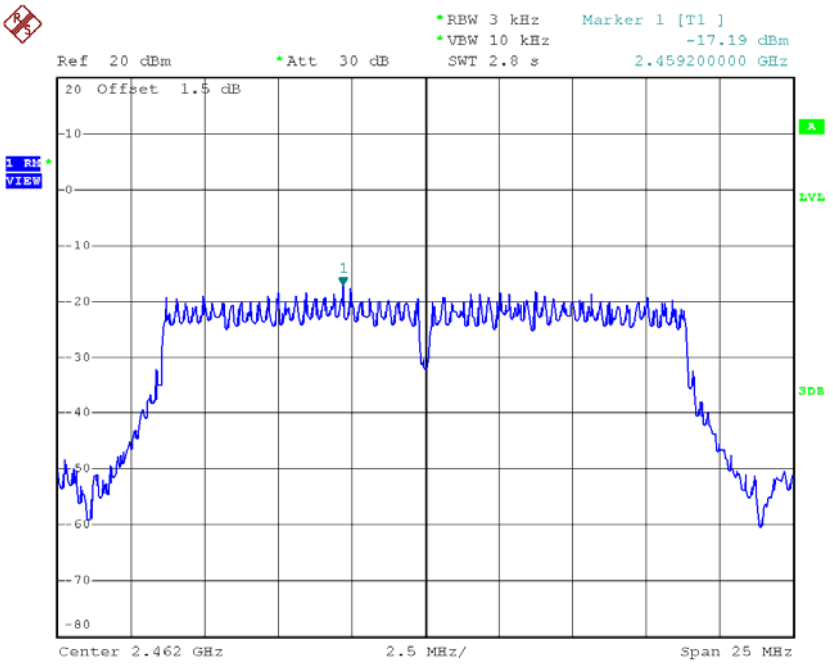
Date: 24.JAN.2017 13:12:17

TX CH06



Date: 24.JAN.2017 13:14:37

TX CH11



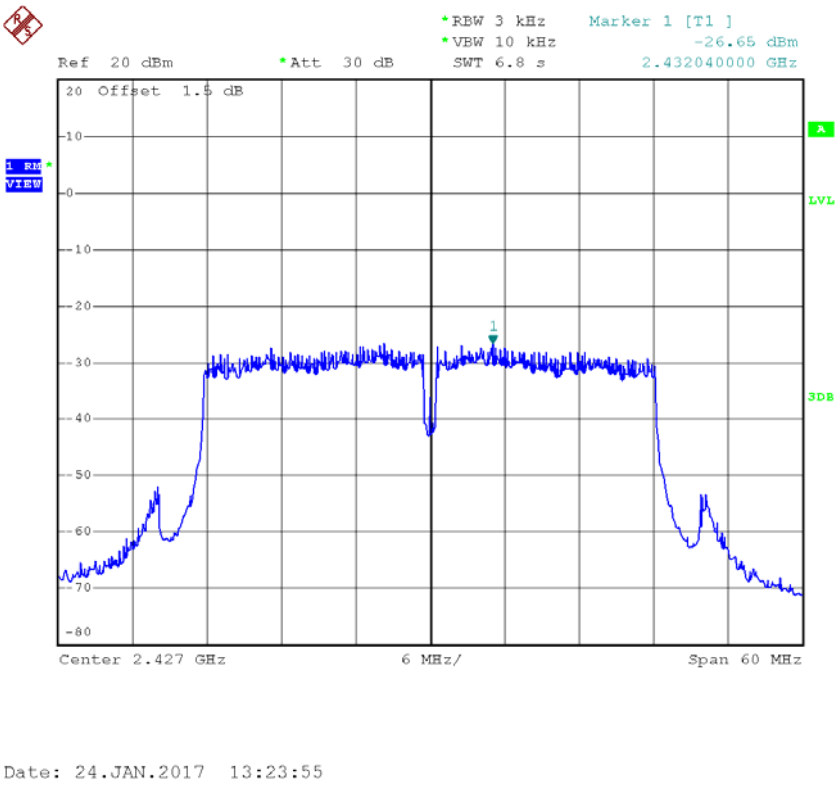
Date: 24.JAN.2017 13:17:05

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	-17.19	0.019	8.00	Complies
2437	-13.92	0.041	8.00	Complies
2462	-14.56	0.035	8.00	Complies

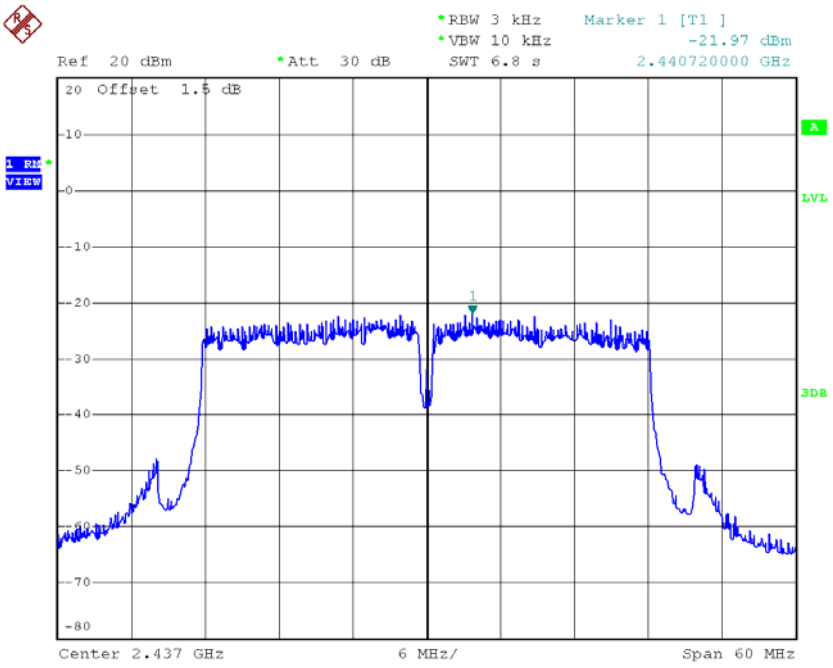
Test Mode: TX N-40M Mode_CH04/06/09_ANT 0				

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2427	-26.65	0.002	8.00	Complies
2437	-21.97	0.006	8.00	Complies
2452	-22.49	0.006	8.00	Complies

TX CH03

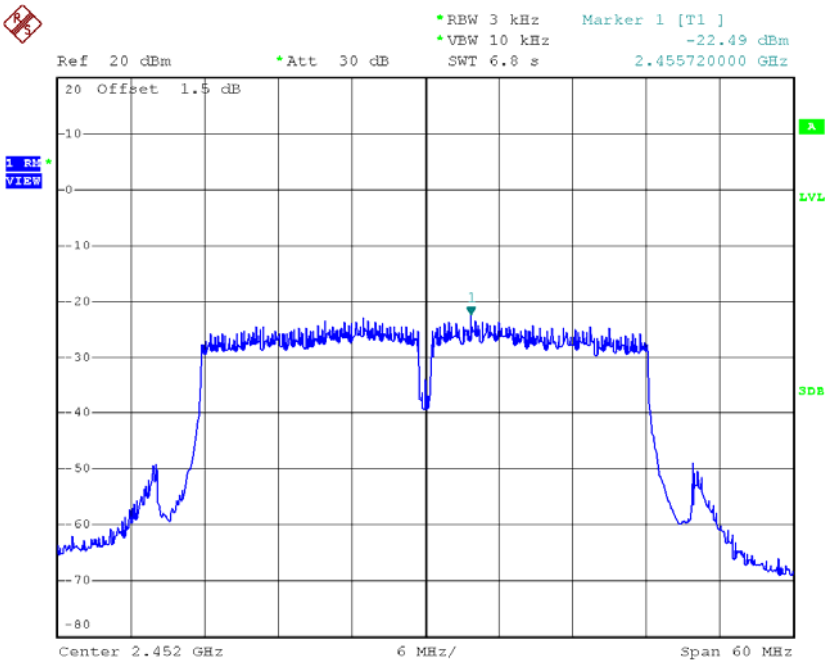


TX CH06



Date: 24.JAN.2017 13:28:56

TX CH09

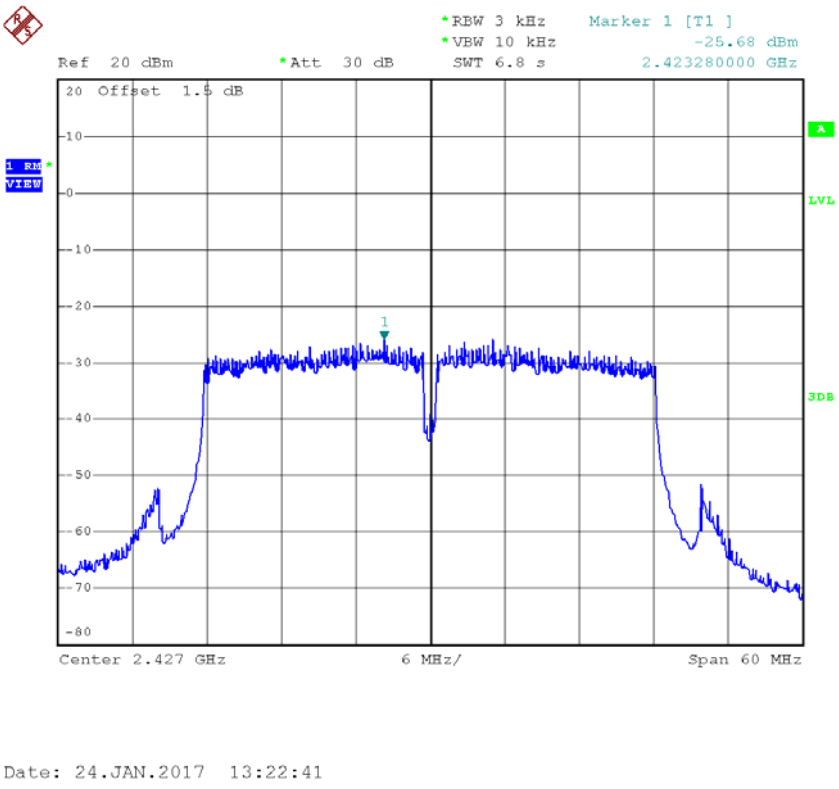


Date: 24.JAN.2017 13:30:45

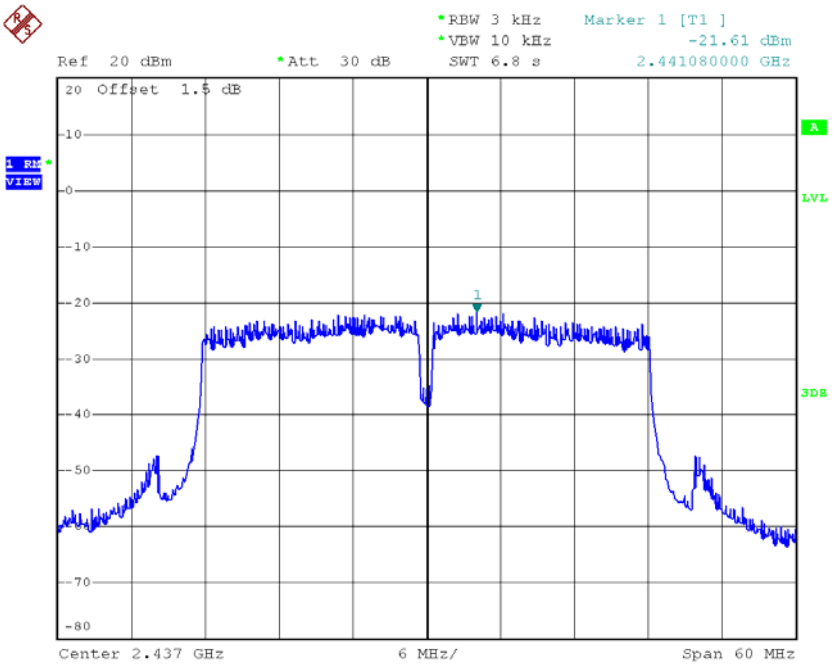
Test Mode: TX N-40M Mode_CH04/06/09_ANT 1				

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2427	-25.68	0.003	8.00	Complies
2437	-21.61	0.007	8.00	Complies
2452	-23.48	0.004	8.00	Complies

TX CH03

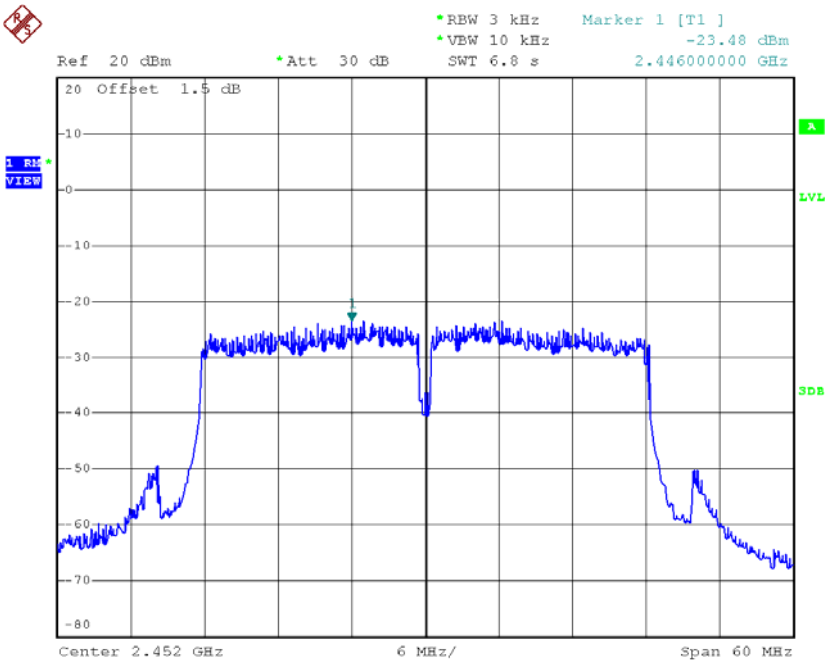


TX CH06



Date: 24.JAN.2017 13:26:19

TX CH09



Date: 24.JAN.2017 13:32:52

Test Mode: TX N-40M Mode_CH04/06/09_Total				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2427	-23.13	0.005	8.00	Complies
2437	-18.78	0.013	8.00	Complies
2452	-19.95	0.010	8.00	Complies