FCC Radio Test Report

FCC ID: QISAP7050DE

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

Project No.	:	1604C207A
Equipment	:	Wireless LAN Access Point
Model Name	:	AP7050DE
Applicant	:	Huawei Technologies Co.,Ltd.
Address	:	Administration Building, Headquarters of Huawei Technologies Co., Ltd.,Bantian, Longgang District, Shenzhen 518129 China

Date of Receipt	:	May 17, 2016
Date of Test	:	May 17, 2016 ~ Jun. 08, 2016
Issued Date	:	Jun. 10, 2016
Tested by	:	BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1604C207A	Original Issue.	Jun. 10, 2016

1. CERTIFICATION

Equipment	:	Wireless LAN Access Point
Brand Name	:	N/A
Model Name	:	AP7050DE
Applicant	:	Huawei Technologies Co.,Ltd.
Manufacturer	:	Huawei Technologies Co.,Ltd.
Address	:	Administration Building, Huawei Base, Bantian, Longgang District ,Shenzhen 518129, P.R.China
Factory	:	Huawei Technologies Co.,Ltd.
Address	:	Huawei Base, Bantian, Longgang District, Shenzhen 518129, P.R.China
Date of Test	:	May 17, 2016 ~ Jun. 08, 2016
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-2-1604C207A) 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).

Test result included in this report is only for the 2.4GHz WIFI Part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless LAN Access Point	
Brand Name	N/A	
Model Name	AP7050DE	
Model Difference	N/A	
Power Source	#1 DC voltage supplied from AC Adapter. Model: HW-120200U1W #2 Supplied from PoE. Model: PoE35-54A	
Power Rating	DC 12V 2A	
Product Description	Operation Frequency	2412~2462MHz
	Modulation Type	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 600 Mbps
	EIRP Power (Max.) – For 1TX	802.11b: 20.47 dBm 802.11g: 18.51 dBm 802.11n (20MHz): 18.46 dBm 802.11n (40MHz): 17.46 dBm
	EIRP Power (Max.) – For 2TX	802.11b: 23.48 dBm 802.11g: 21.55 dBm 802.11n (20MHz): 21.52 dBm 802.11n (40MHz): 20.50 dBm
	EIRP Power (Max.) – For 3TX	802.11b: 25.27 dBm 802.11g: 23.20 dBm 802.11n (20MHz): 23.20 dBm 802.11n (40MHz): 22.23 dBm
	EIRP Power (Max.) – For 4TX	802.11b: 26.43 dBm 802.11g: 24.46 dBm 802.11n (20MHz): 24.45 dBm 802.11n (40MHz): 23.37 dBm
	EIRP Power (Max.) – For 2TX with Beamforming	802.11n (20MHz): 21.48 dBm 802.11n (40MHz): 20.52 dBm
	EIRP Power (Max.) – For 3TX with Beamforming	802.11n (20MHz): 23.41 dBm 802.11n (40MHz): 22.33 dBm
	EIRP Power (Max.) – For 4TX with Beamforming	802.11n (20MHz): 24.47 dBm 802.11n (40MHz): 23.48 dBm

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

2. Channel List:

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

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	上海旌泓通信技术有限公司	N/A	Internal	U.FL	2.0
2	上海旌泓通信技术有限公司	N/A	Internal	U.FL	2.0
3	上海旌泓通信技术有限公司	N/A	Internal	U.FL	2.0
4	上海旌泓通信技术有限公司	N/A	Internal	U.FL	2.0

Note:
1. The EUT incorporates a MIMO function. Physically, the EUT provides four completed transmitters and receivers (4T4R).
Remark:
For 2TX with beamforming
The EUTwith beamforming function, then, Direction gain = G_{ANT} + 10log(N_{ANT}/N_{SS}), where N_{SS} = the number of independent spatial streams of data.
Directional gain=2.0+10log(2/4)=2.0 - 3.0 = -1.0 dBi.

For 3TX with beamforming
The EUTwith beamforming function, then, Direction gain = G_{ANT} + 10log(N_{ANT}/N_{SS}), where N_{SS} = the number of independent spatial streams of data.
Directional gain=2.0+10log(3/4)=2.0 - 1.25 = -0.75 dBi.

For 4TX with beamforming
The EUTwith beamforming function, then, Direction gain = G_{ANT} + 10log(N_{ANT}/N_{SS}), where N_{SS} = the number of independent spatial streams of data.
Directional gain=2.0+10log(4/4)=2.0 + 0 = 2.0 dBi.

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 5	TX Mode

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

Note:

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

(2) 802.11b mode: BPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (6.5Mbps)
802.11n HT40 mode : BPSK (13.5Mbps)
For radiated emission tests, the highest output powers were set for final test.

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

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

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

For 1T1R

Test software version	QRCT		
Frequency (MHz)	2412	2437	2462
802.11b	20	20	20
802.11g	18	18	18
802.11n (20MHz)	18	18	18
Frequency	2422	2437	2452
802.11n (40MHz)	17	17	17

For 2T2R

Test software version	QRCT		
Frequency (MHz)	2412	2437	2462
802.11b	20	20	20
802.11g	18	18	18
802.11n (20MHz)	18	18	18
Frequency	2422	2437	2452
802.11n (40MHz)	17	17	17

For 3T3R

Test software version	QRCT		
Frequency (MHz)	2412	2437	2462
802.11b	20	20	20
802.11g	18	18	18
802.11n (20MHz)	18	18	18
Frequency	2422	2437	2452
802.11n (40MHz)	17	17	17

For 4T4R

Test software version	QRCT		
Frequency (MHz)	2412	2437	2462
802.11b	20	20	20
802.11g	16	18	17
802.11n (20MHz)	16	18	17
Frequency	2422	2437	2452
802.11n (40MHz)	15	17	16

For 2T2R With Beamforming

Test software version	QRCT		
Frequency (MHz)	2412	2437	2462
802.11n (20MHz)	18	18	18
Frequency	2422	2437	2452
802.11n (40MHz)	17	17	17

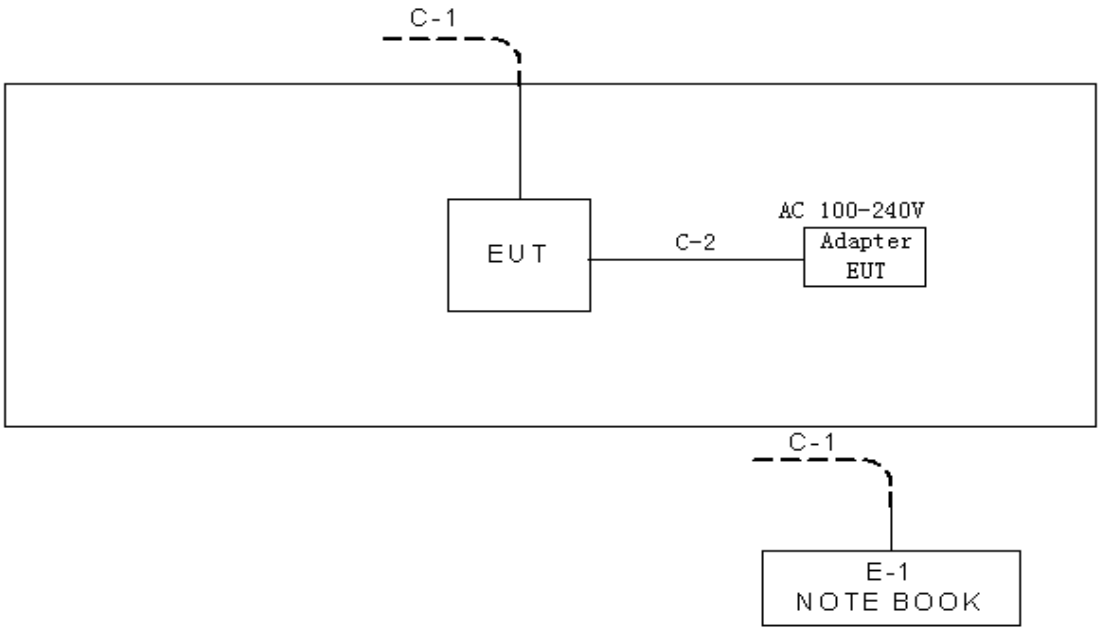
For 3T3R With Beamforming

Test software version	QRCT		
Frequency (MHz)	2412	2437	2462
802.11n (20MHz)	18	18	18
Frequency	2422	2437	2452
802.11n (40MHz)	17	17	17

For 4T4R With Beamforming

Test software version	QRCT		
Frequency (MHz)	2412	2437	2462
802.11n (20MHz)	18	18	18
Frequency	2422	2437	2452
802.11n (40MHz)	17	17	17

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.
E-1	NOTEBOOK	Dell	DCSM 745	DOC	G7K832X

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	10m	RJ45 Cable
C-2	NO	NO	1.5m	Power 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

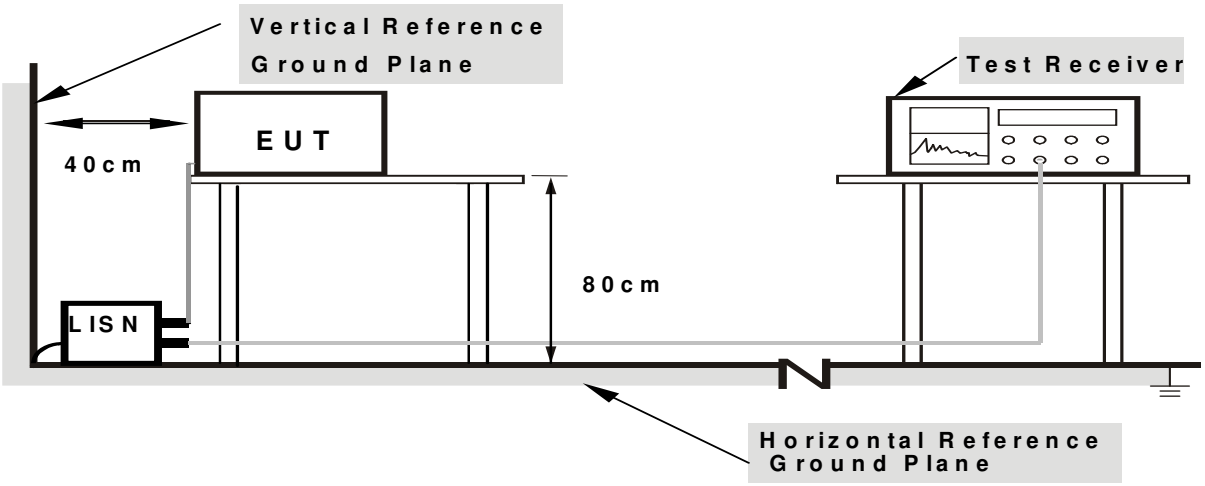
4.1.2 TEST PROCEDURE

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)	(dBuV/m) (at 3 meters)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

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

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

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

(4) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

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

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

4.2.2 TEST PROCEDURE

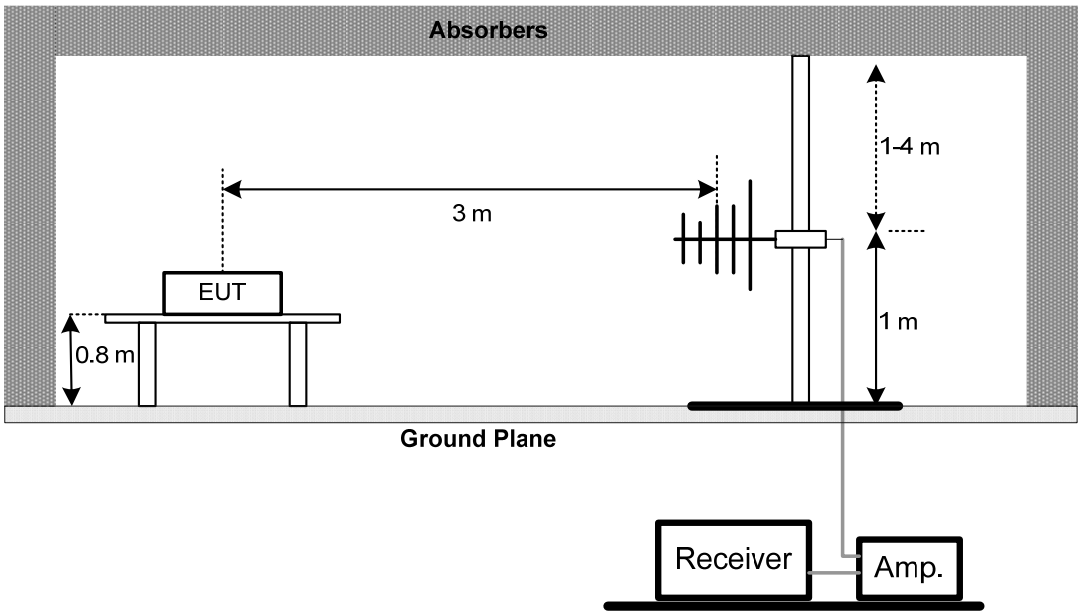
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1GHz)
i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

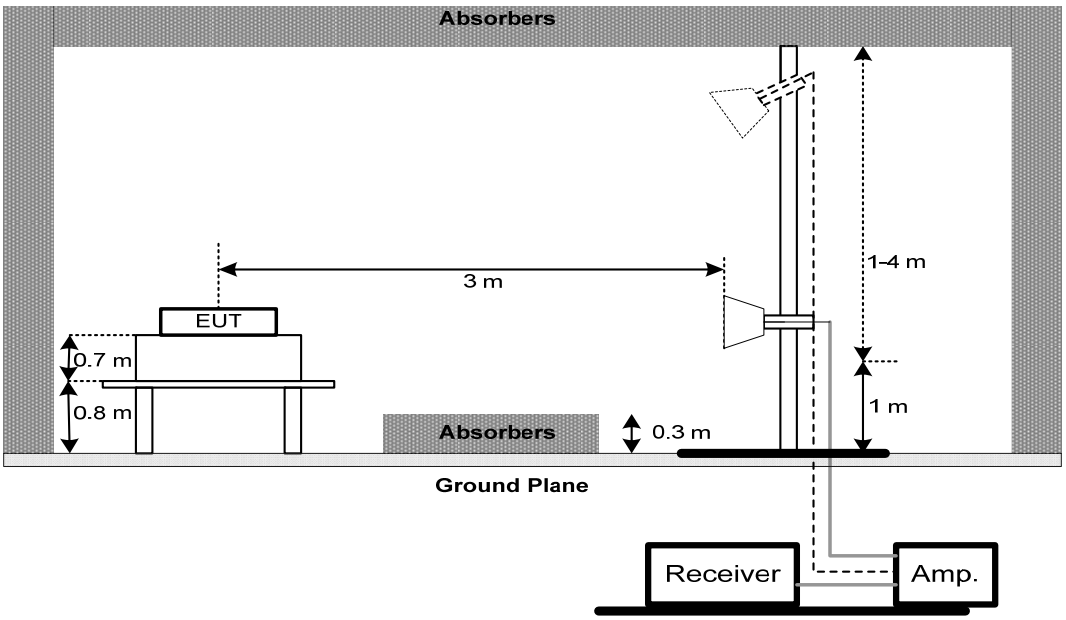
No deviation

4.2.4 TEST SETUP

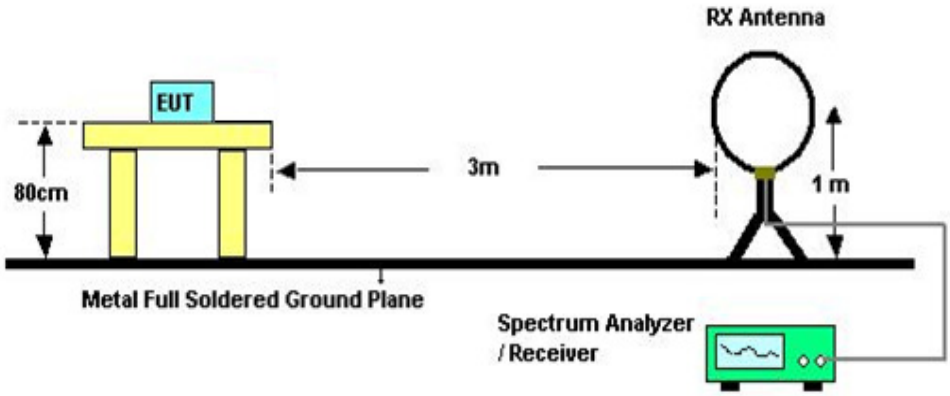
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

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

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

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

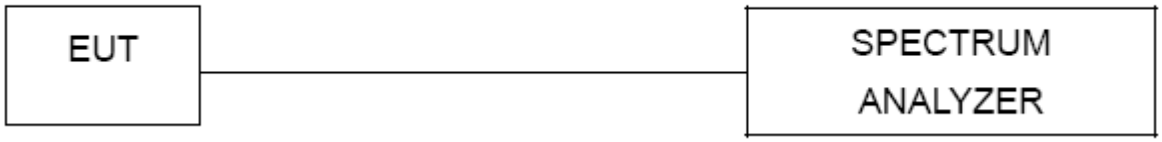
5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

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

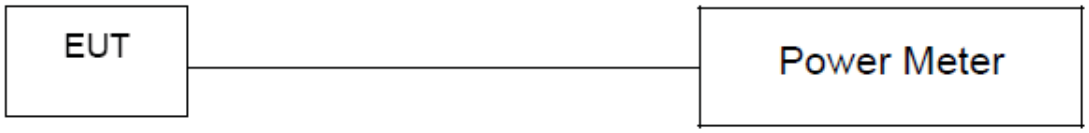
6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r05.

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.

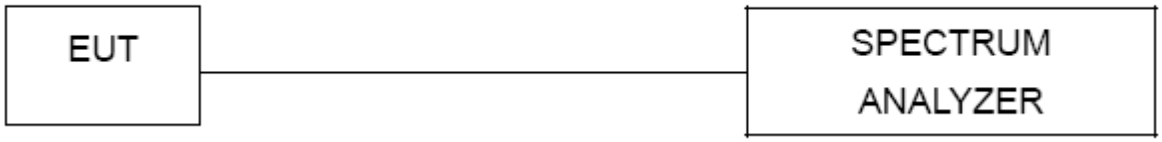
7.1.1 TEST PROCEDURE

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

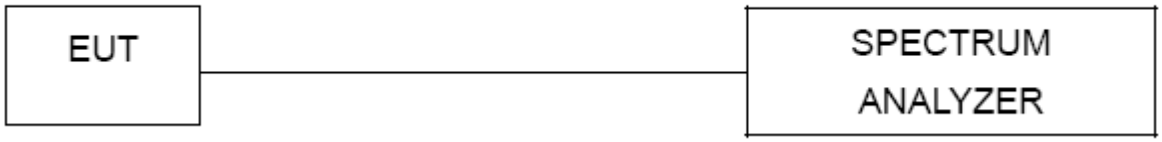
8.1.1 TEST PROCEDURE

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-30 MHz)	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	Nov. 09, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 28, 2016
5	Antenna	ETS	3115	00075789	Mar. 27, 2017
6	Amplifier	Agilent	8449B	3008A02274	Nov. 01, 2016
7	Receiver	AGILENT	N9038A	MY52130039	Oct. 11, 2016
8	Test Cable	emci	EMC104-SM-SM-10000(1GHz－26.5GHz)	C-68	Jun. 28, 2016
9	Controller	CT	SC100	N/A	N/A
10	Position Control	MF	MF-7802	MF780208416	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 07, 2016
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016
2	Test Cable	emci	EMC104-SM-SM-9000(0.01GHz－26.5GHz)	C-100	N/A

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	Oct. 11, 2016
2	Test Cable	emci	EMC104-SM-SM-9000(0.01GHz－26.5GHz)	C-100	N/A

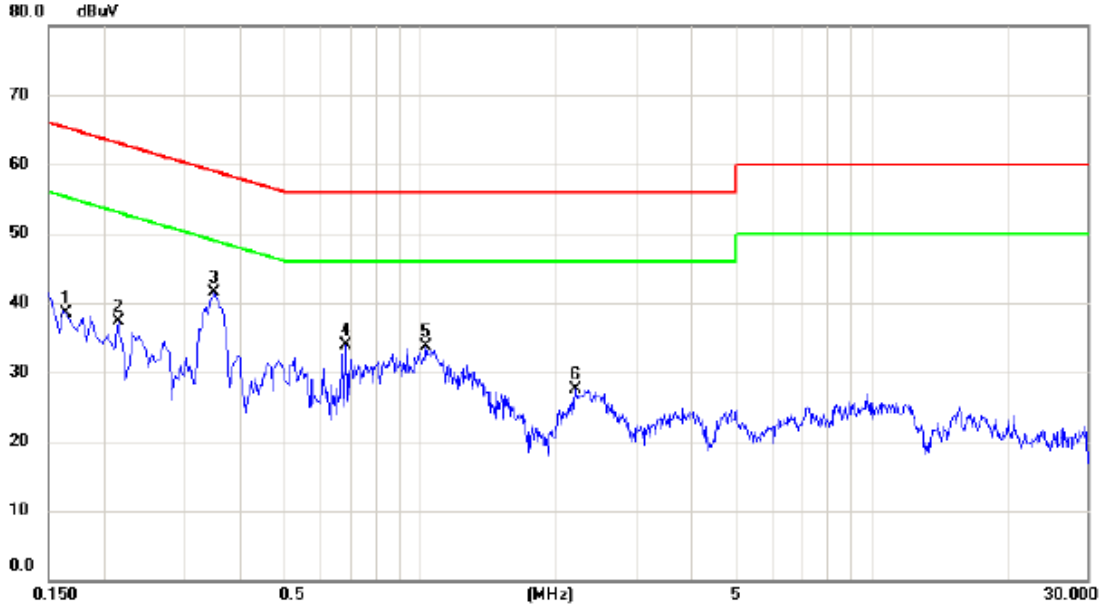
Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 11, 2016
2	Test Cable	emci	EMC104-SM-SM-9000(0.01GHz－26.5GHz)	C-100	N/A

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

ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX Mode

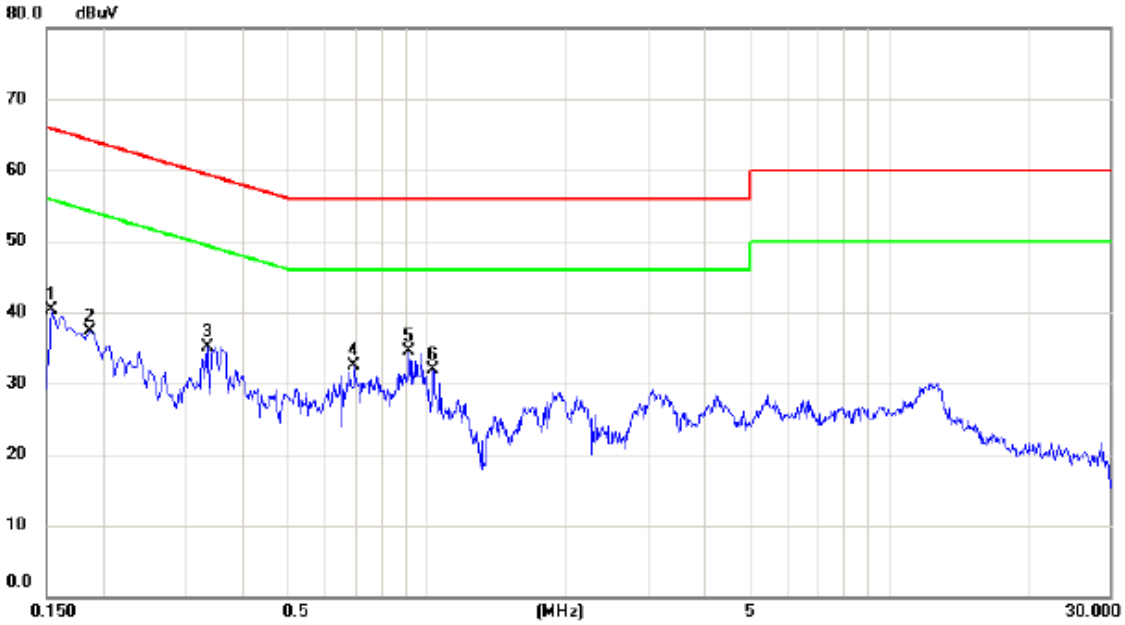
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1633	29.00	9.52	38.52	65.29	-26.77	peak	
2		0.2140	27.70	9.53	37.23	63.05	-25.82	peak	
3	*	0.3500	31.89	9.53	41.42	58.96	-17.54	peak	
4		0.6820	24.23	9.65	33.88	56.00	-22.12	peak	
5		1.0260	24.01	9.76	33.77	56.00	-22.23	peak	
6		2.2020	17.57	9.97	27.54	56.00	-28.46	peak	

Test Mode:	TX Mode

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1540	30.85	9.50	40.35	65.78	-25.43	peak	
2		0.1860	27.91	9.48	37.39	64.21	-26.82	peak	
3		0.3340	25.57	9.53	35.10	59.35	-24.25	peak	
4		0.6940	23.01	9.45	32.46	56.00	-23.54	peak	
5	*	0.9100	24.81	9.66	34.47	56.00	-21.53	peak	
6		1.0300	22.29	9.66	31.95	56.00	-24.05	peak	

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

Test Mode:	TX B MODE CHANNEL 01

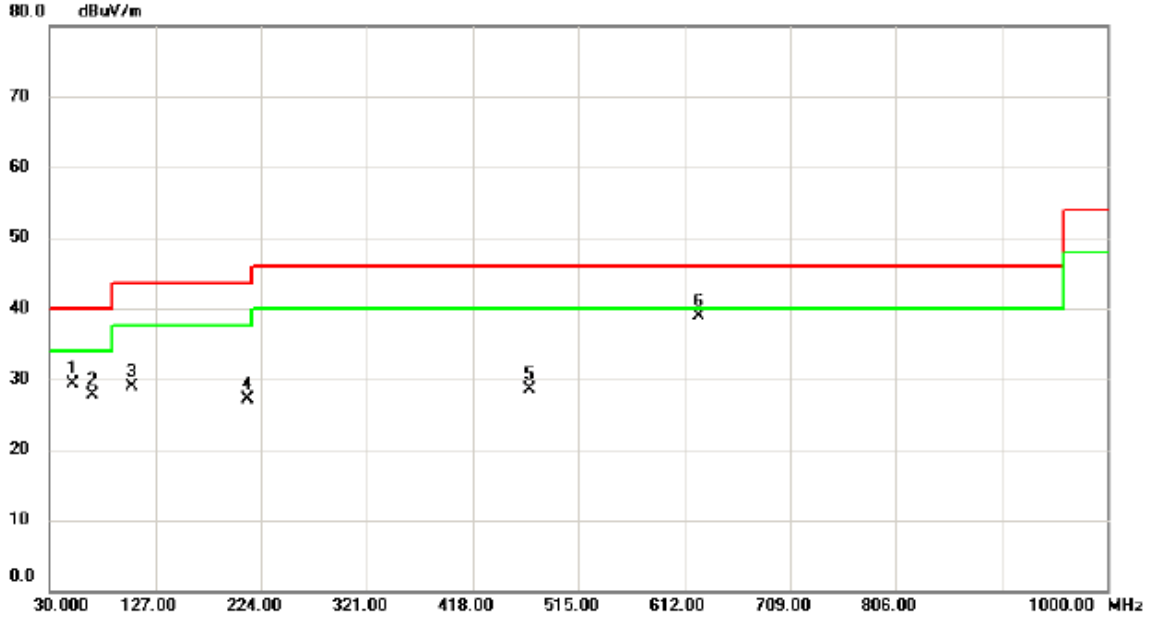
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0097	0°	13.36	24.95	38.31	127.87	-89.56	AVG
0.0097	0°	14.27	24.95	39.22	147.87	-108.65	PEAK
0.0282	0°	6.75	23.78	30.53	118.60	-88.07	AVG
0.0282	0°	8.19	23.78	31.97	138.60	-106.63	PEAK
0.0364	0°	3.11	23.26	26.37	116.38	-90.01	AVG
0.0364	0°	5.52	23.26	28.78	136.38	-107.60	PEAK
0.0578	0°	1.14	22.24	23.38	112.37	-88.98	AVG
0.0578	0°	2.48	22.24	24.72	132.37	-107.64	PEAK
0.5089	0°	19.32	19.83	39.15	73.47	-34.32	QP
1.9519	0°	23.68	19.50	43.18	69.54	-26.36	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0118	90°	13.10	24.30	37.40	126.17	-88.77	AVG
0.0118	90°	14.78	24.30	39.08	146.17	-107.09	PEAK
0.0259	90°	7.26	23.93	31.19	119.34	-88.15	AVG
0.0259	90°	8.90	23.93	32.83	139.34	-106.51	PEAK
0.0431	90°	5.22	22.84	28.06	114.91	-86.86	AVG
0.0431	90°	6.17	22.84	29.01	134.91	-105.91	PEAK
0.0579	90°	1.50	22.24	23.74	112.35	-88.61	AVG
0.0579	90°	2.82	22.24	25.06	132.35	-107.29	PEAK
0.6214	90°	22.16	20.19	42.35	71.74	-29.39	QP
2.0540	90°	24.54	19.47	44.01	69.54	-25.53	QP

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

Test Mode:	TX B MODE CHANNEL 01

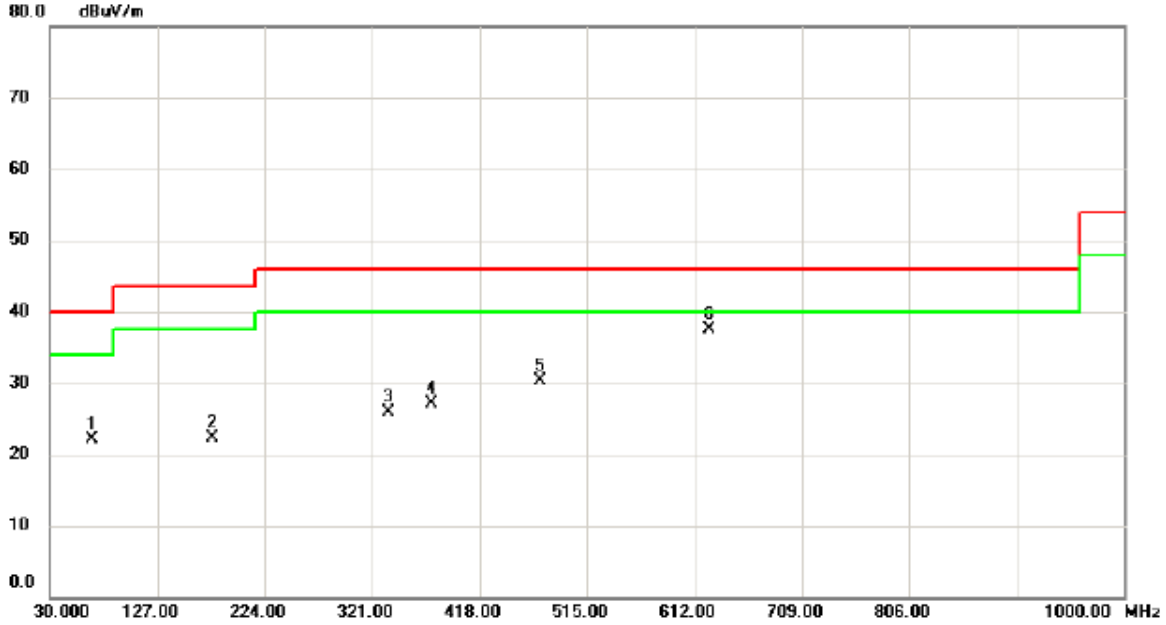
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		51.8250	41.74	-12.42	29.32	40.00	-10.68	peak	
2		69.7700	42.84	-15.07	27.77	40.00	-12.23	peak	
3		106.1450	43.01	-14.06	28.95	43.50	-14.55	peak	
4		211.3900	41.15	-14.06	27.09	43.50	-16.41	peak	
5		470.3800	35.80	-7.35	28.45	46.00	-17.55	peak	
6	*	625.0950	42.28	-3.47	38.81	46.00	-7.19	peak	

Test Mode:	TX B MODE CHANNEL 01

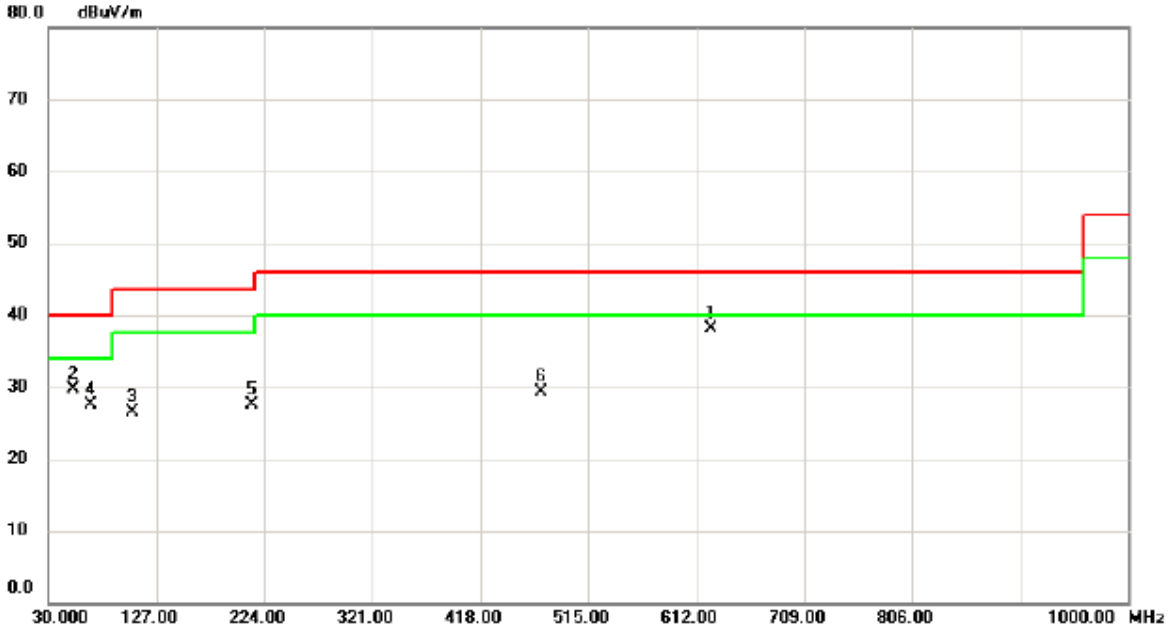
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		68.3150	36.66	-14.64	22.02	40.00	-17.98	peak	
2		176.9550	33.97	-11.69	22.28	43.50	-21.22	peak	
3		335.5500	36.45	-10.54	25.91	46.00	-20.09	peak	
4		374.8350	36.09	-9.01	27.08	46.00	-18.92	peak	
5		472.8050	37.76	-7.38	30.38	46.00	-15.62	peak	
6	*	625.0950	40.94	-3.47	37.47	46.00	-8.53	peak	

Test Mode:	TX B MODE CHANNEL 06

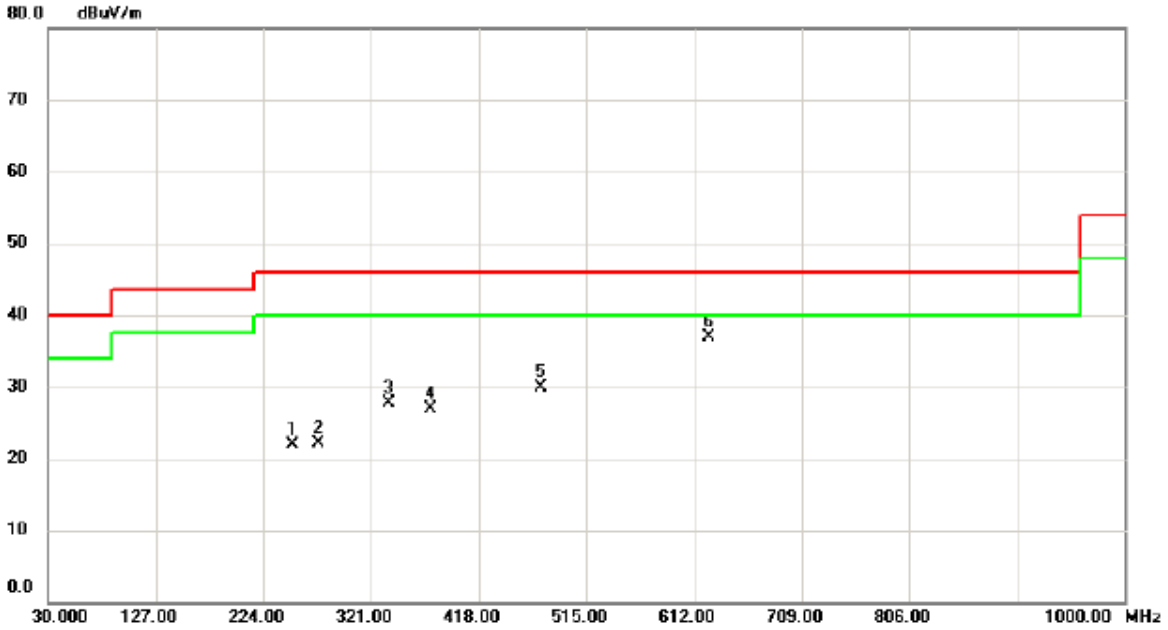
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	625.0950	41.51	-3.47	38.04	46.00	-7.96	peak	
2		52.7950	42.13	-12.33	29.80	40.00	-10.20	peak	
3		105.6600	40.69	-14.09	26.60	43.50	-16.90	peak	
4		68.3150	42.11	-14.64	27.47	40.00	-12.53	peak	
5		213.3300	41.45	-14.04	27.41	43.50	-16.09	peak	
6		472.3200	36.64	-7.38	29.26	46.00	-16.74	peak	

Test Mode:	TX B MODE CHANNEL 06

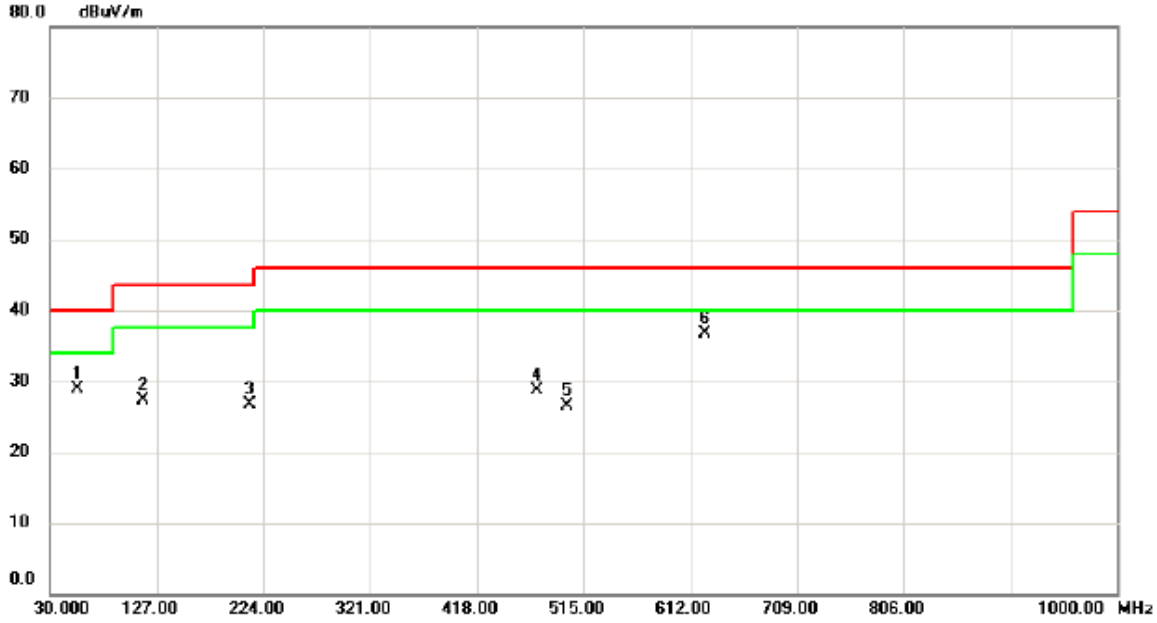
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		250.1900	35.27	-13.33	21.94	46.00	-24.06	peak	
2		273.4700	34.01	-11.95	22.06	46.00	-23.94	peak	
3		337.4900	38.20	-10.58	27.62	46.00	-18.38	peak	
4		374.8350	35.96	-9.01	26.95	46.00	-19.05	peak	
5		474.7450	37.40	-7.42	29.98	46.00	-16.02	peak	
6	*	625.0950	40.33	-3.47	36.86	46.00	-9.14	peak	

Test Mode:	TX B MODE CHANNEL 11

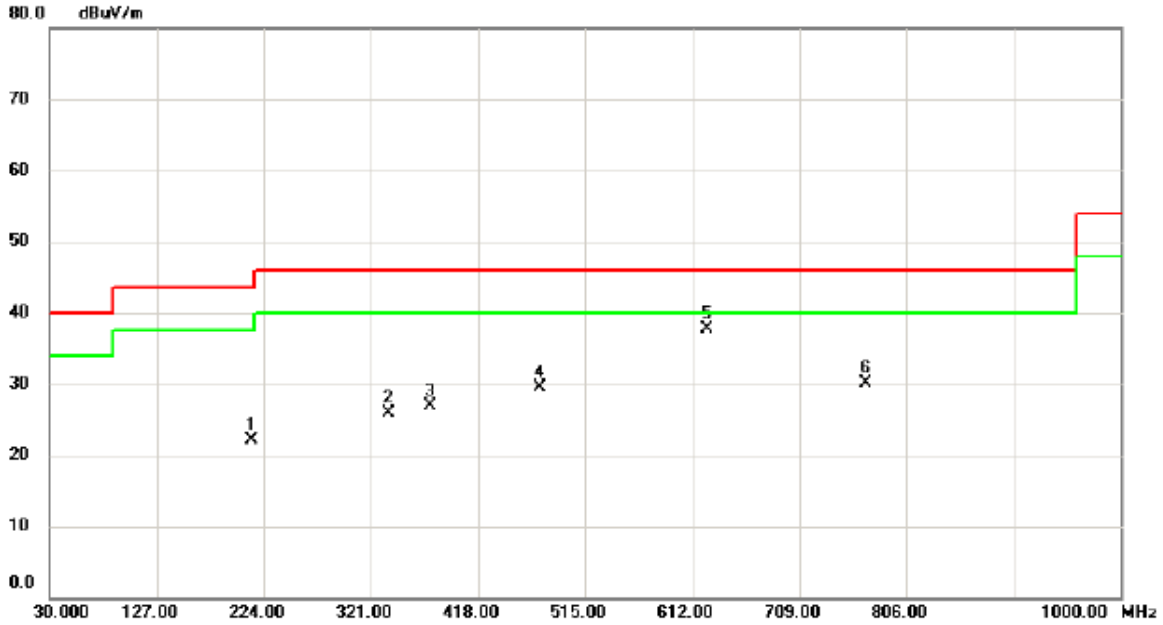
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		54.7350	41.21	-12.29	28.92	40.00	-11.08	peak	
2		114.8750	40.52	-13.19	27.33	43.50	-16.17	peak	
3		211.8750	40.76	-14.05	26.71	43.50	-16.79	peak	
4		472.3200	36.05	-7.38	28.67	46.00	-17.33	peak	
5		499.9650	34.30	-7.77	26.53	46.00	-19.47	peak	
6	*	625.0950	40.22	-3.47	36.75	46.00	-9.25	peak	

Test Mode:	TX B MODE CHANNEL 11

Horizontal

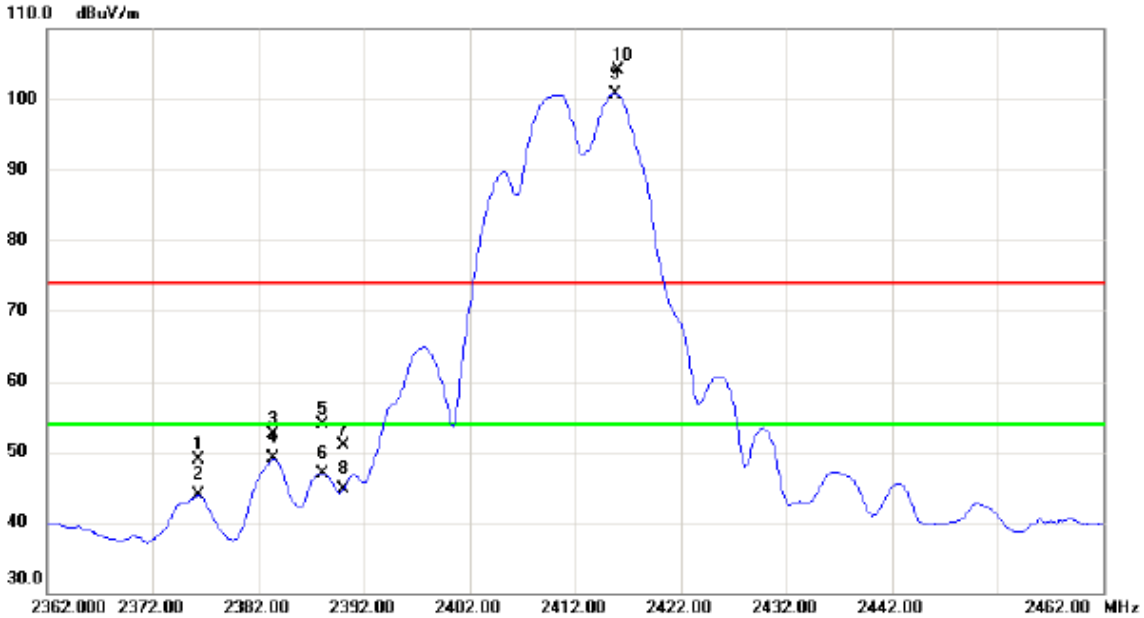


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		212.3600	36.20	-14.05	22.15	43.50	-21.35	peak	
2		337.0050	36.57	-10.57	26.00	46.00	-20.00	peak	
3		374.8350	35.91	-9.01	26.90	46.00	-19.10	peak	
4		473.7750	36.97	-7.40	29.57	46.00	-16.43	peak	
5	*	625.0950	41.19	-3.47	37.72	46.00	-8.28	peak	
6		768.6550	30.82	-0.71	30.11	46.00	-15.89	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

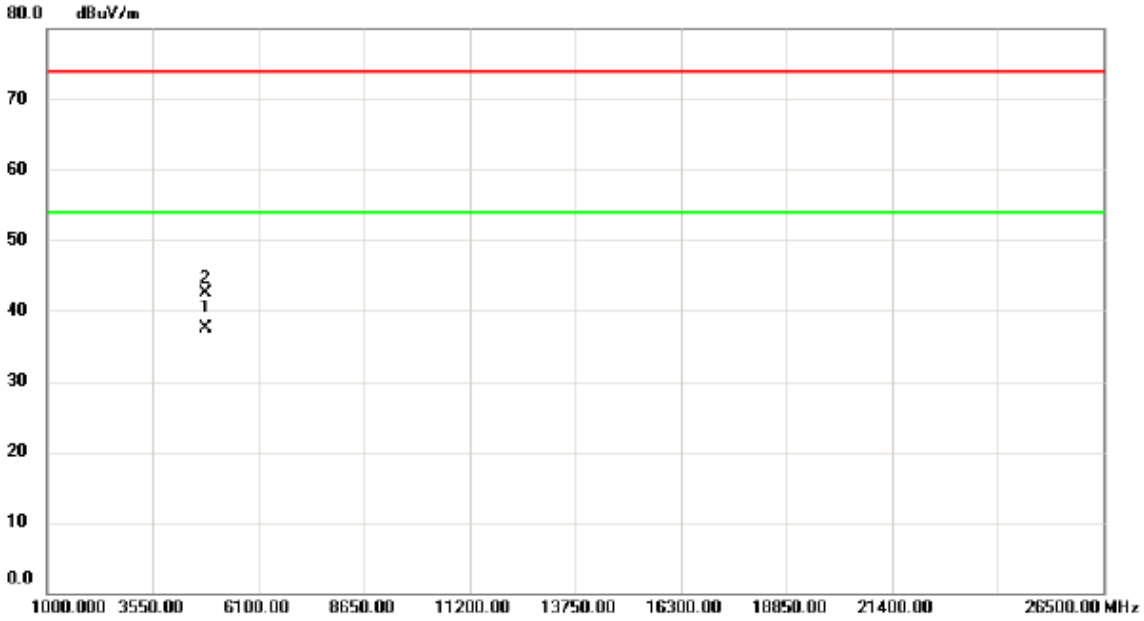
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2376.300	16.19	32.70	48.89	74.00	-25.11	peak	
2		2376.300	11.15	32.70	43.85	54.00	-10.15	AVG	
3		2383.450	19.73	32.74	52.47	74.00	-21.53	peak	
4		2383.450	16.29	32.74	49.03	54.00	-4.97	AVG	
5		2388.100	21.09	32.77	53.86	74.00	-20.14	peak	
6		2388.100	14.14	32.77	46.91	54.00	-7.09	AVG	
7		2390.000	18.21	32.77	50.98	74.00	-23.02	peak	
8		2390.000	11.87	32.77	44.64	54.00	-9.36	AVG	
9	*	2415.750	67.84	32.91	100.75	54.00	46.75	AVG	NO LIMIT
10	X	2416.000	71.22	32.91	104.13	74.00	30.13	peak	NO LIMIT

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

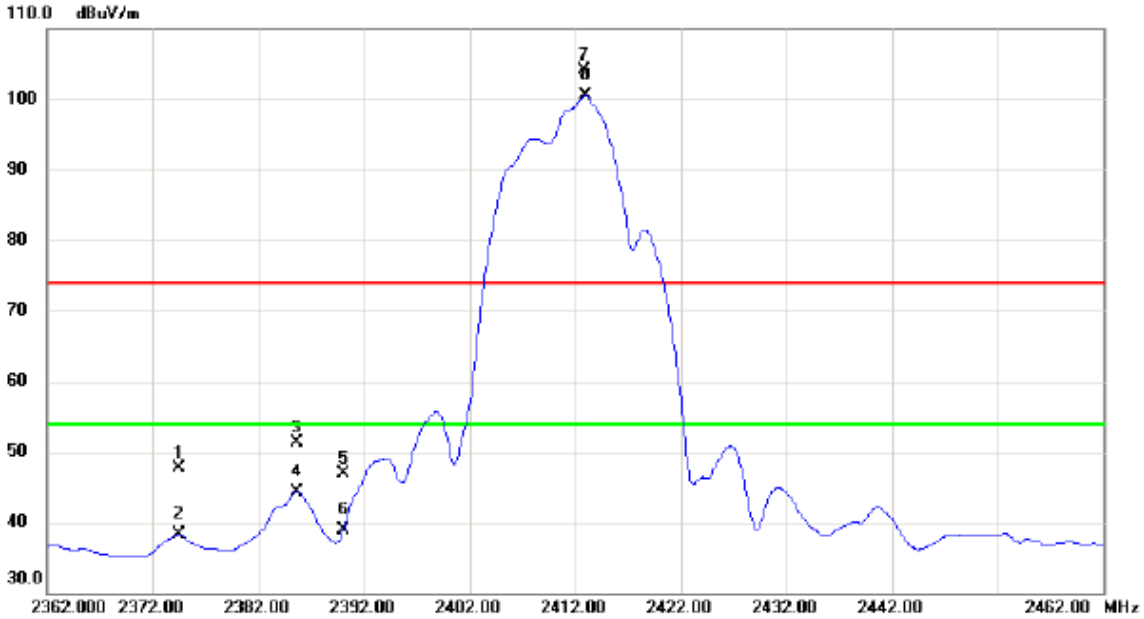
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.075	33.81	3.78	37.59	54.00	-16.41	AVG	
2		4824.140	38.69	3.78	42.47	74.00	-31.53	peak	

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

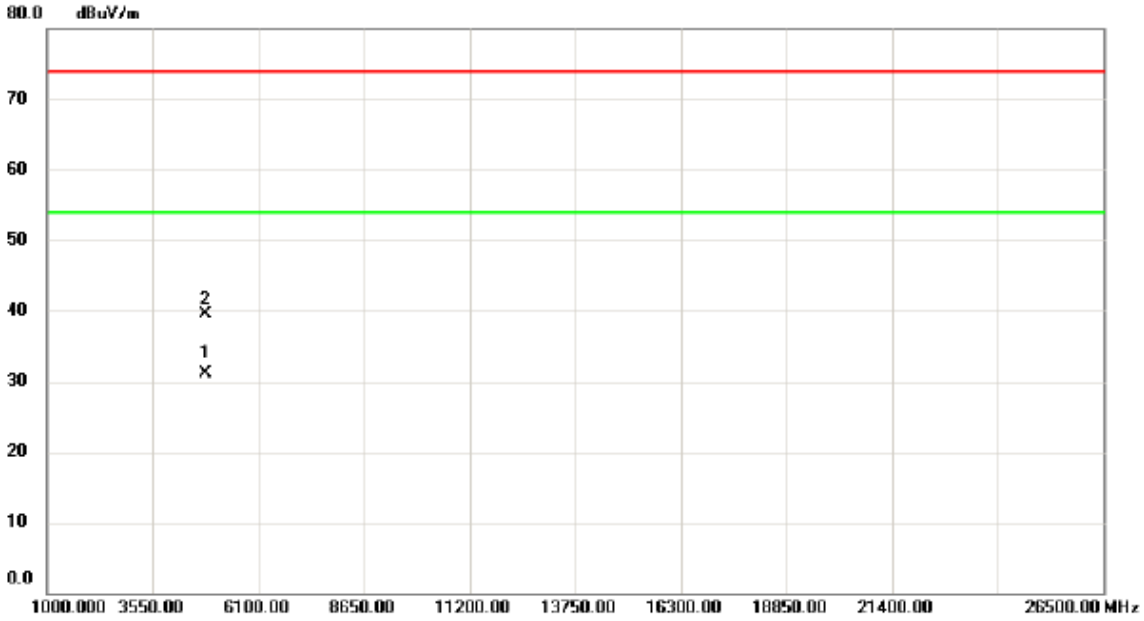
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2374.450	14.94	32.69	47.63	74.00	-26.37	peak	
2		2374.450	5.61	32.69	38.30	54.00	-15.70	AVG	
3		2385.650	18.55	32.75	51.30	74.00	-22.70	peak	
4		2385.650	11.65	32.75	44.40	54.00	-9.60	AVG	
5		2390.000	14.20	32.77	46.97	74.00	-27.03	peak	
6		2390.000	6.15	32.77	38.92	54.00	-15.08	AVG	
7	X	2412.850	71.20	32.90	104.10	74.00	30.10	peak	NO LIMIT
8	*	2413.050	67.68	32.90	100.58	54.00	46.58	AVG	NO LIMIT

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

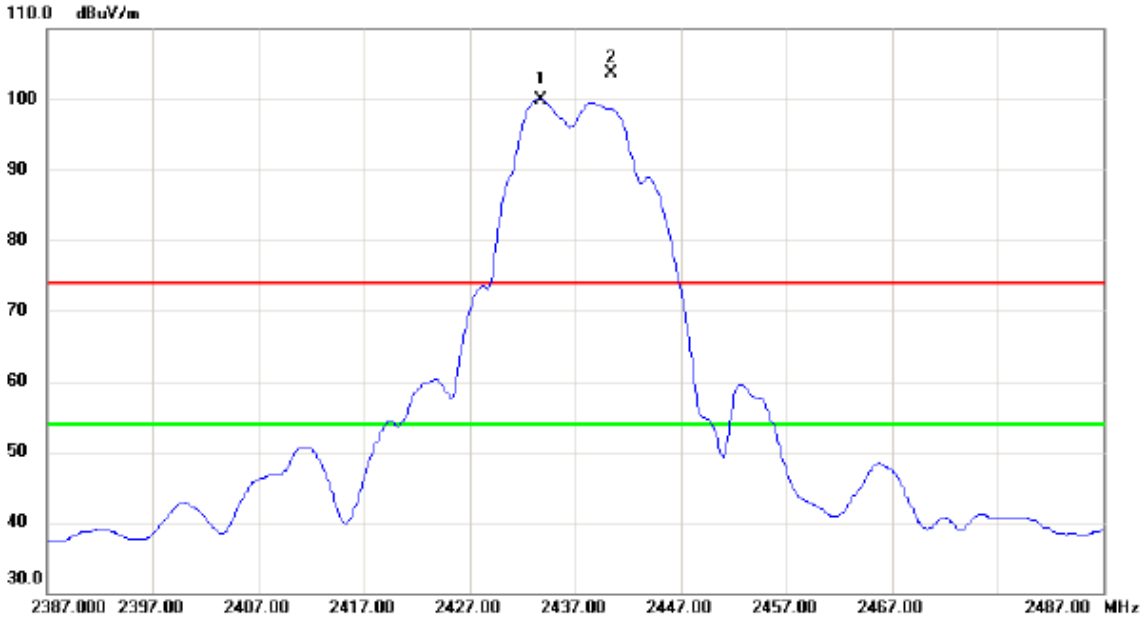
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.075	27.27	3.78	31.05	54.00	-22.95	AVG	
2		4824.225	35.81	3.78	39.59	74.00	-34.41	peak	

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

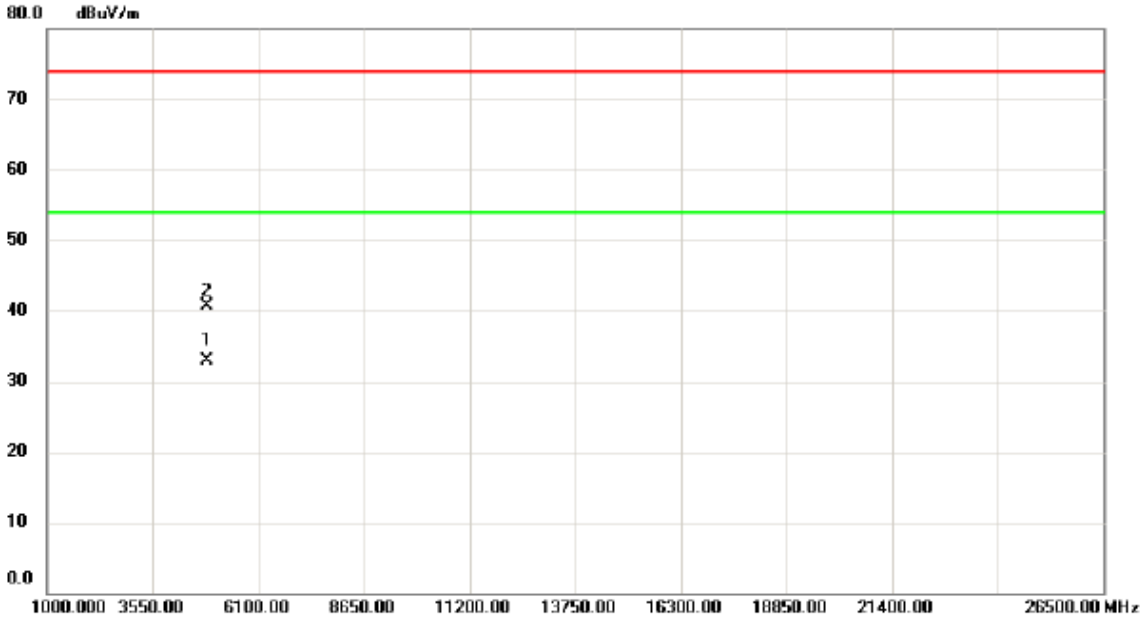
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2433.700	66.95	33.02	99.97	54.00	45.97	AVG	NO LIMIT
2	X	2440.450	70.58	33.05	103.63	74.00	29.63	peak	NO LIMIT

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

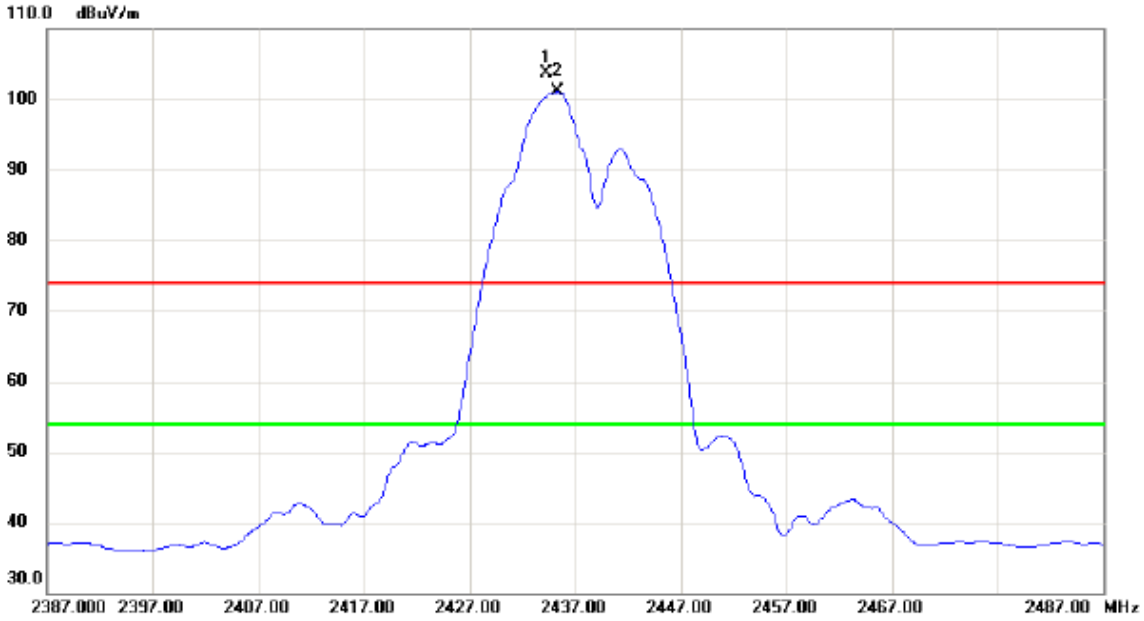
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4874.070	28.88	4.02	32.90	54.00	-21.10	AVG	
2		4874.300	36.59	4.02	40.61	74.00	-33.39	peak	

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

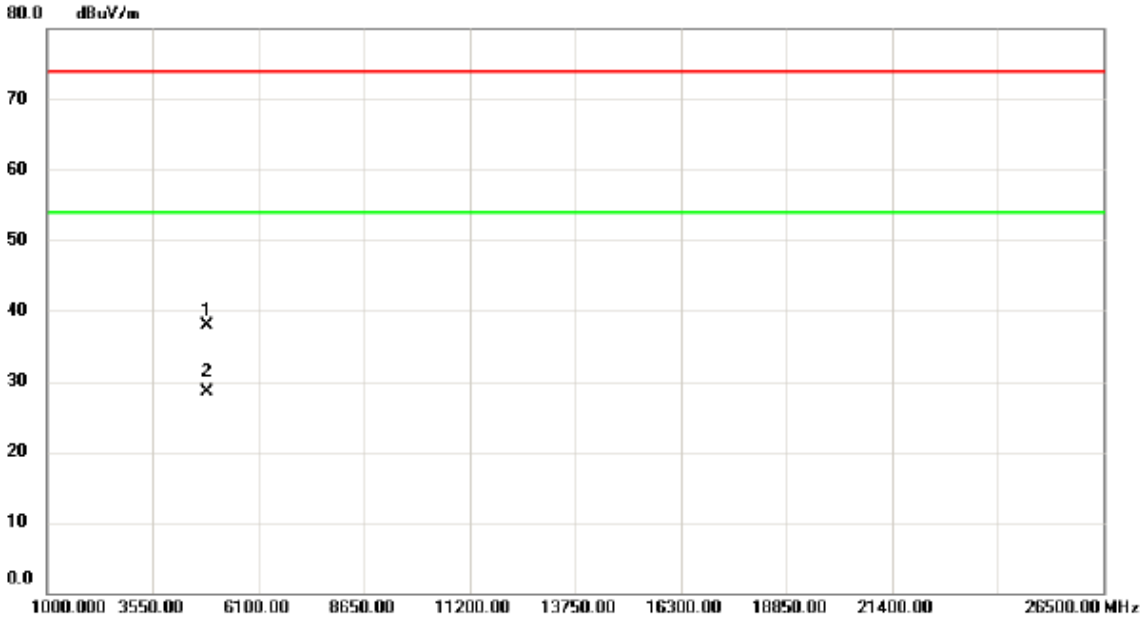
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2434.300	70.63	33.02	103.65	74.00	29.65	peak	NO LIMIT
2	*	2435.300	68.03	33.02	101.05	54.00	47.05	AVG	NO LIMIT

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

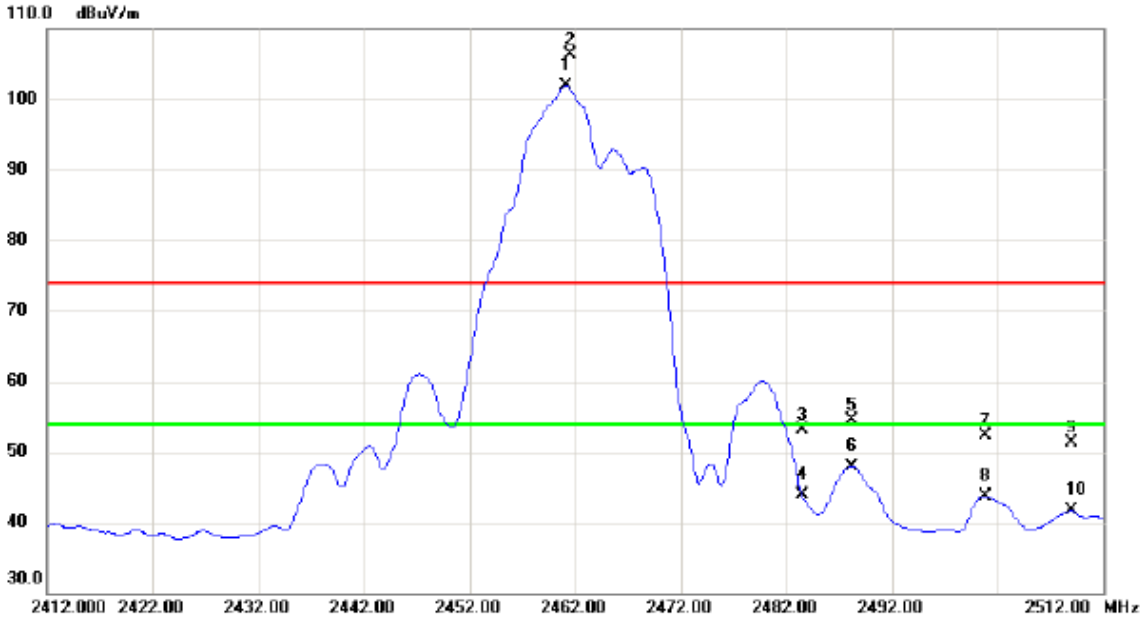
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.100	33.85	4.02	37.87	74.00	-36.13	peak	
2	*	4874.125	24.51	4.02	28.53	54.00	-25.47	AVG	

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

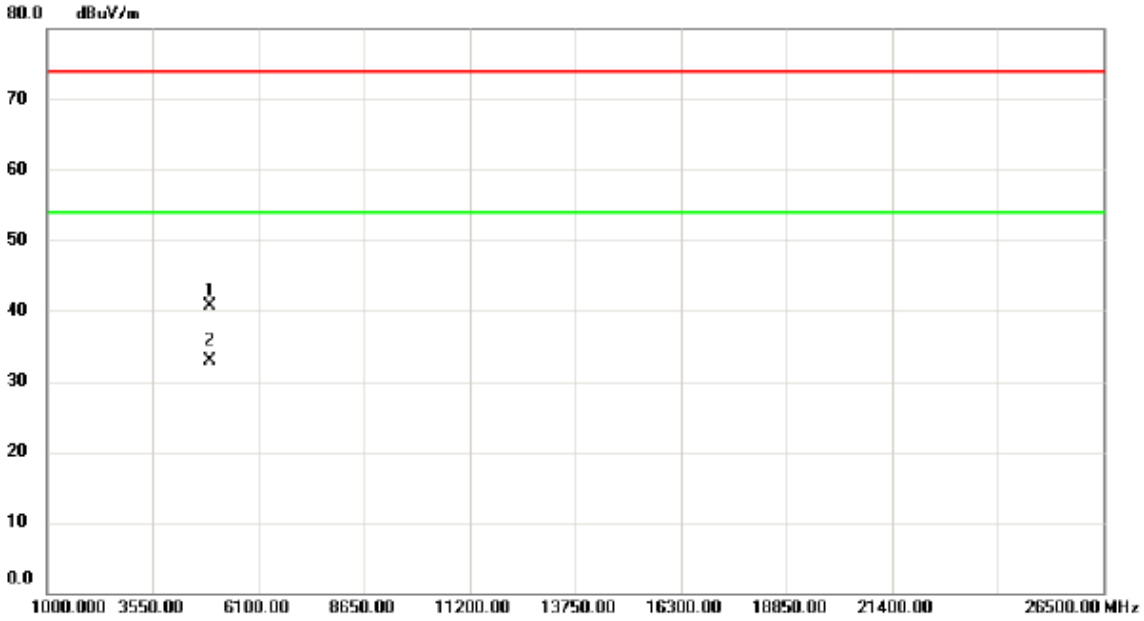
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2461.100	68.74	33.16	101.90	54.00	47.90	AVG	NO LIMIT
2	X	2461.600	73.13	33.16	106.29	74.00	32.29	peak	NO LIMIT
3		2483.500	19.84	33.28	53.12	74.00	-20.88	peak	
4		2483.500	10.70	33.28	43.98	54.00	-10.02	AVG	
5		2488.250	21.10	33.31	54.41	74.00	-19.59	peak	
6		2488.250	14.64	33.31	47.95	54.00	-6.05	AVG	
7		2500.900	18.87	33.37	52.24	74.00	-21.76	peak	
8		2500.900	10.42	33.37	43.79	54.00	-10.21	AVG	
9		2508.950	17.85	33.42	51.27	74.00	-22.73	peak	
10		2508.950	8.23	33.42	41.65	54.00	-12.35	AVG	

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

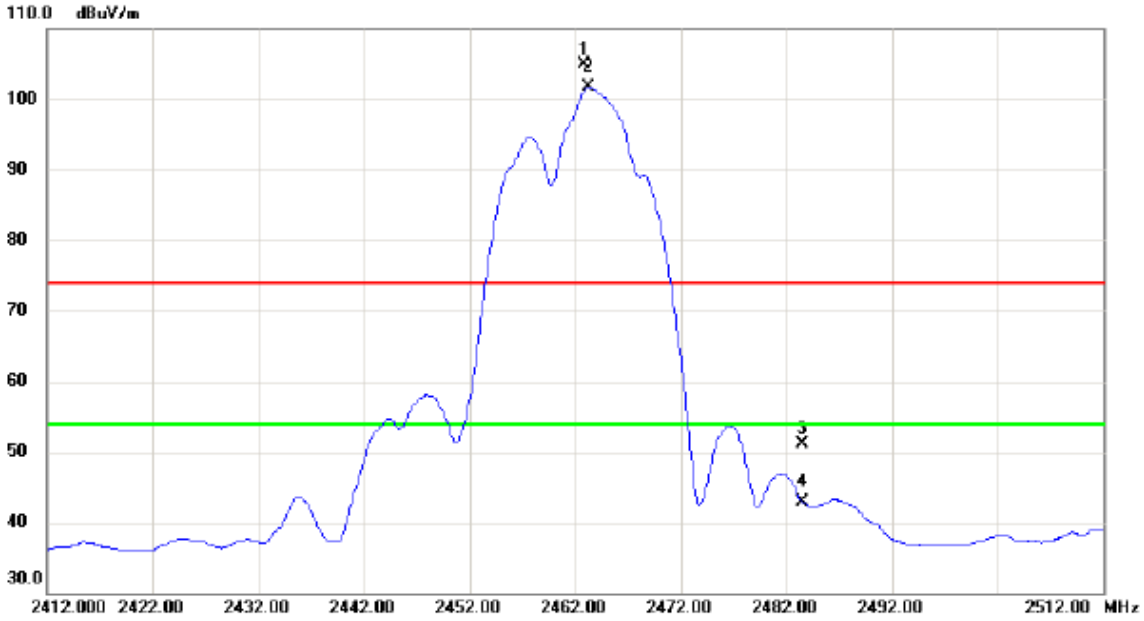
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	36.53	4.25	40.78	74.00	-33.22	peak	
2	*	4924.065	28.69	4.25	32.94	54.00	-21.06	AVG	

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

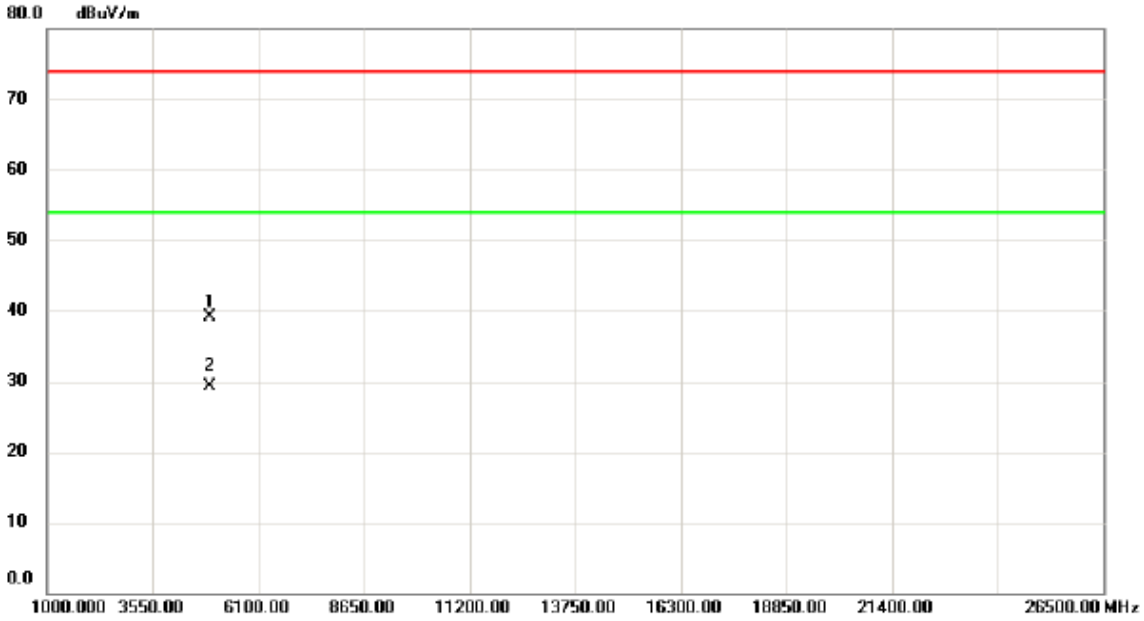
Horizontal



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	71.73	33.17	104.90	74.00	30.90	peak	NO LIMIT
2	*	2463.300	68.57	33.17	101.74	54.00	47.74	AVG	NO LIMIT
3		2483.500	17.87	33.28	51.15	74.00	-22.85	peak	
4		2483.500	9.71	33.28	42.99	54.00	-11.01	AVG	

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

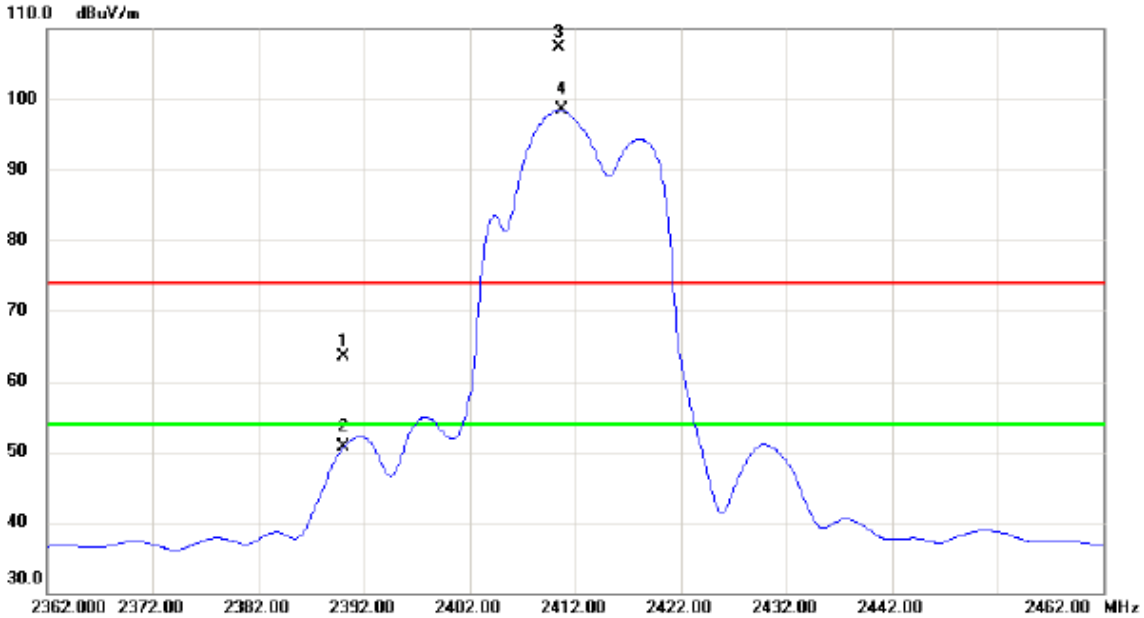
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.050	34.89	4.25	39.14	74.00	-34.86	peak	
2	*	4924.075	25.08	4.25	29.33	54.00	-24.67	AVG	

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

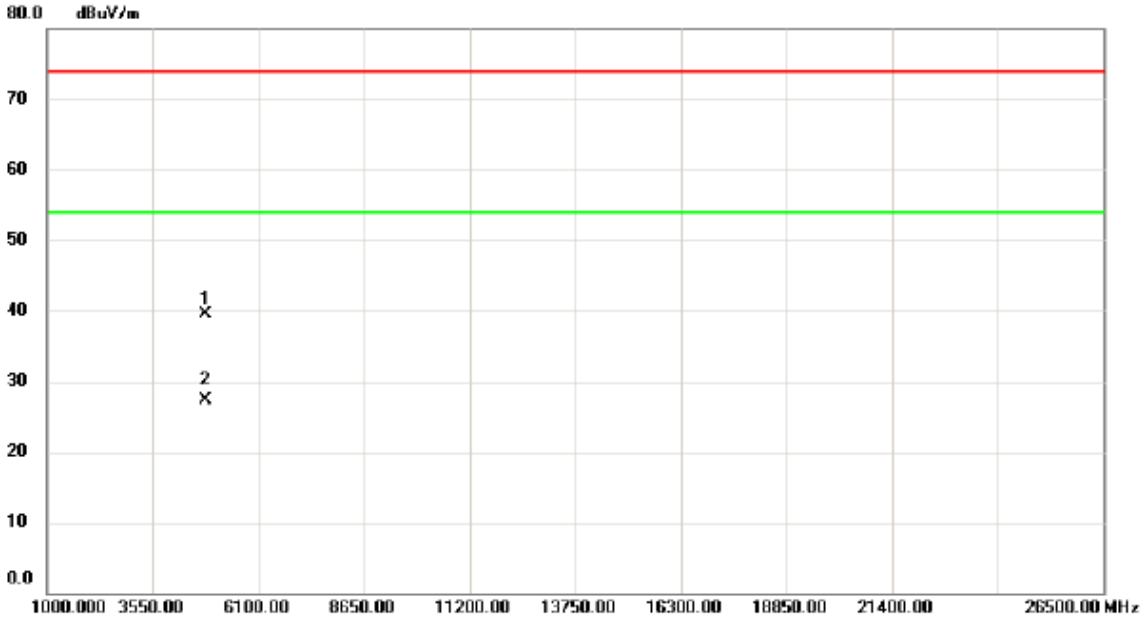
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	30.64	32.77	63.41	74.00	-10.59	peak	
2		2390.000	17.84	32.77	50.61	54.00	-3.39	AVG	
3	X	2410.400	74.35	32.89	107.24	74.00	33.24	peak	NO LIMIT
4	*	2410.700	65.65	32.89	98.54	54.00	44.54	AVG	NO LIMIT

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

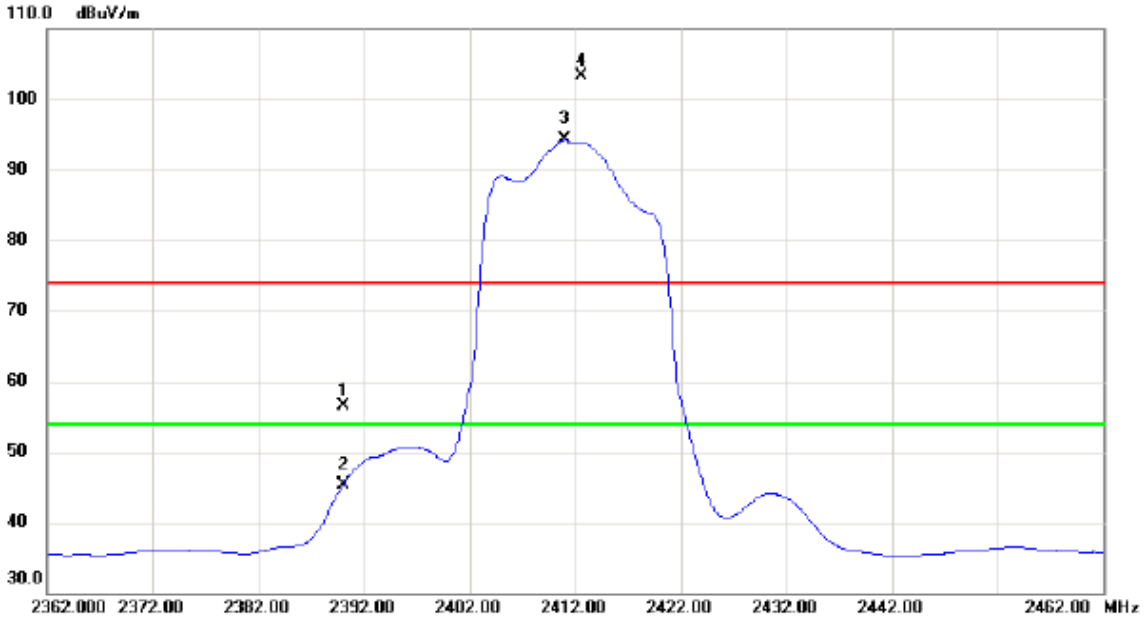
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.050	35.65	3.78	39.43	74.00	-34.57	peak	
2	*	4824.060	23.54	3.78	27.32	54.00	-26.68	AVG	

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

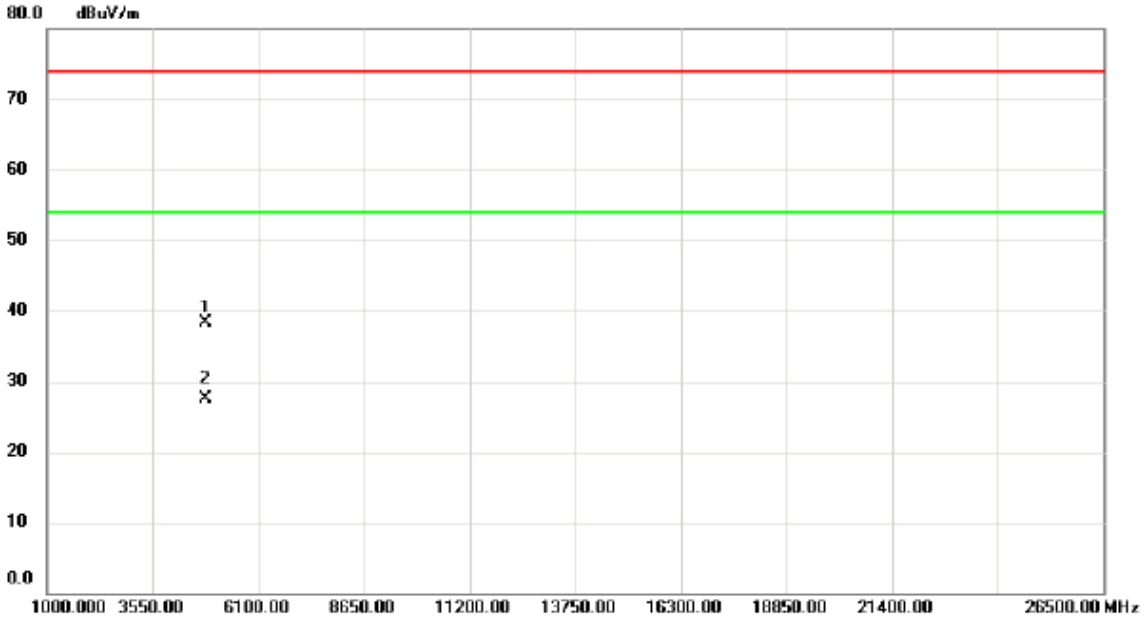
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.66	32.77	56.43	74.00	-17.57	peak	
2		2390.000	12.60	32.77	45.37	54.00	-8.63	AVG	
3	*	2411.050	61.35	32.89	94.24	54.00	40.24	AVG	NO LIMIT
4	X	2412.600	70.45	32.90	103.35	74.00	29.35	peak	NO LIMIT

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

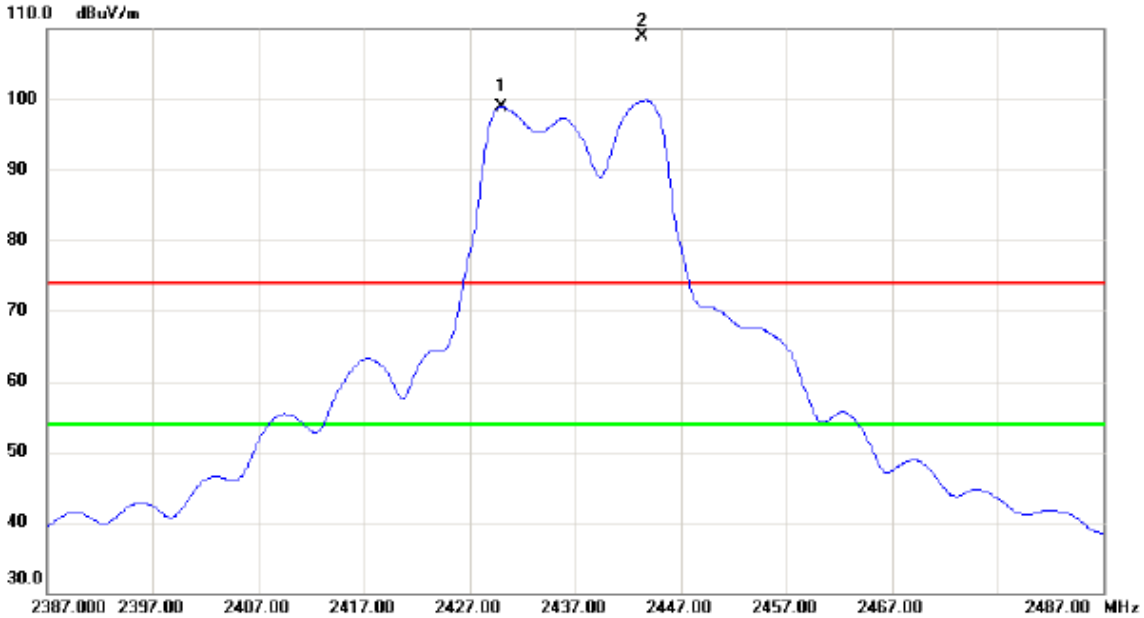
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4822.850	34.45	3.77	38.22	74.00	-35.78	peak	
2	*	4824.925	23.76	3.78	27.54	54.00	-26.46	AVG	

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

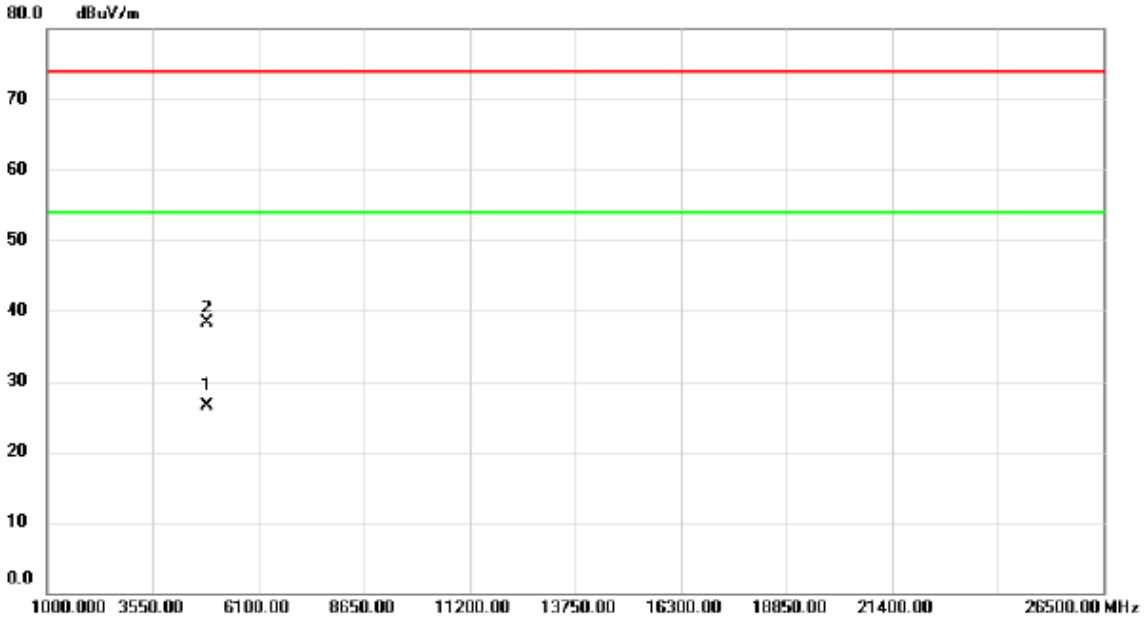
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2430.000	65.96	32.99	98.95	54.00	44.95	AVG	NO LIMIT
2	X	2443.350	75.94	33.06	109.00	74.00	35.00	peak	NO LIMIT

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

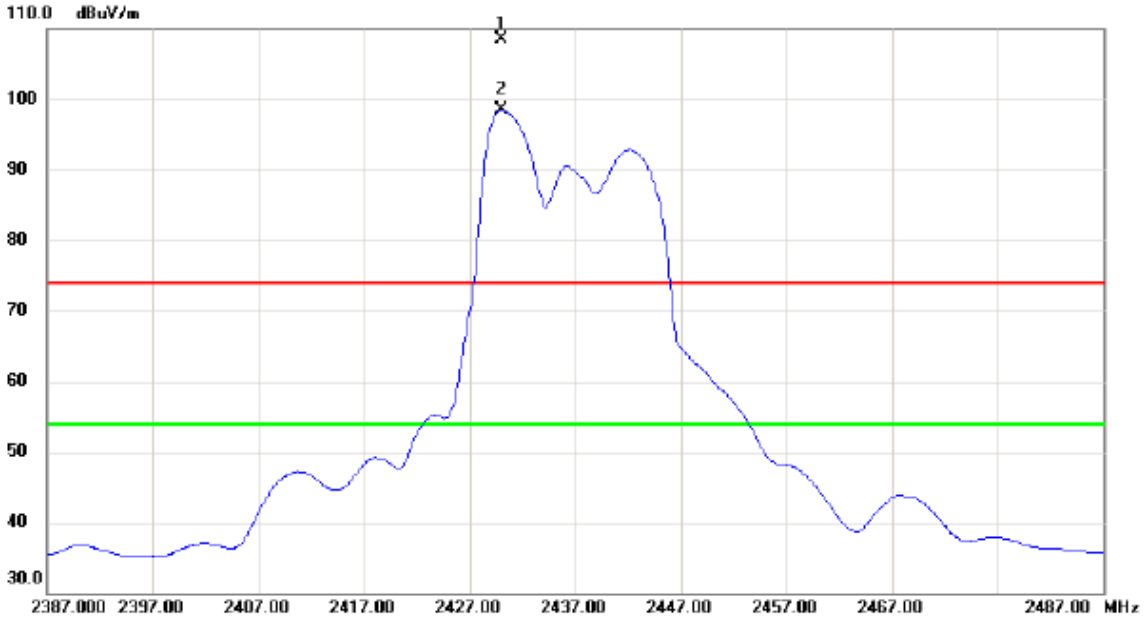
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4874.100	22.48	4.02	26.50	54.00	-27.50	AVG	
2		4874.425	34.30	4.02	38.32	74.00	-35.68	peak	

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

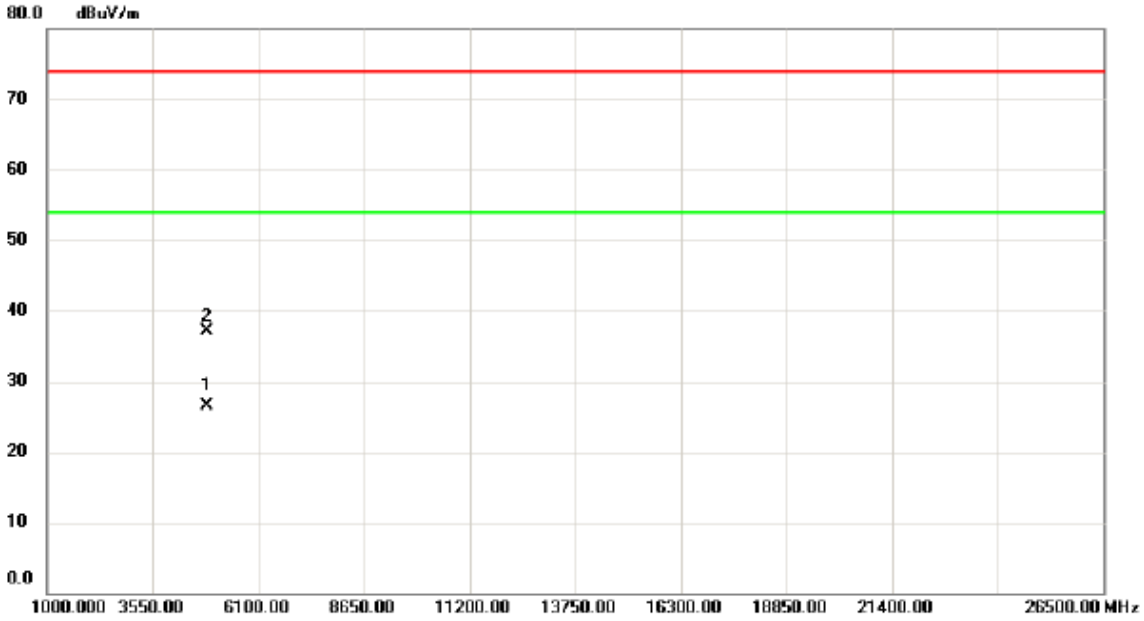
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2430.050	75.50	32.99	108.49	74.00	34.49	peak	NO LIMIT
2	*	2430.050	65.45	32.99	98.44	54.00	44.44	AVG	NO LIMIT

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

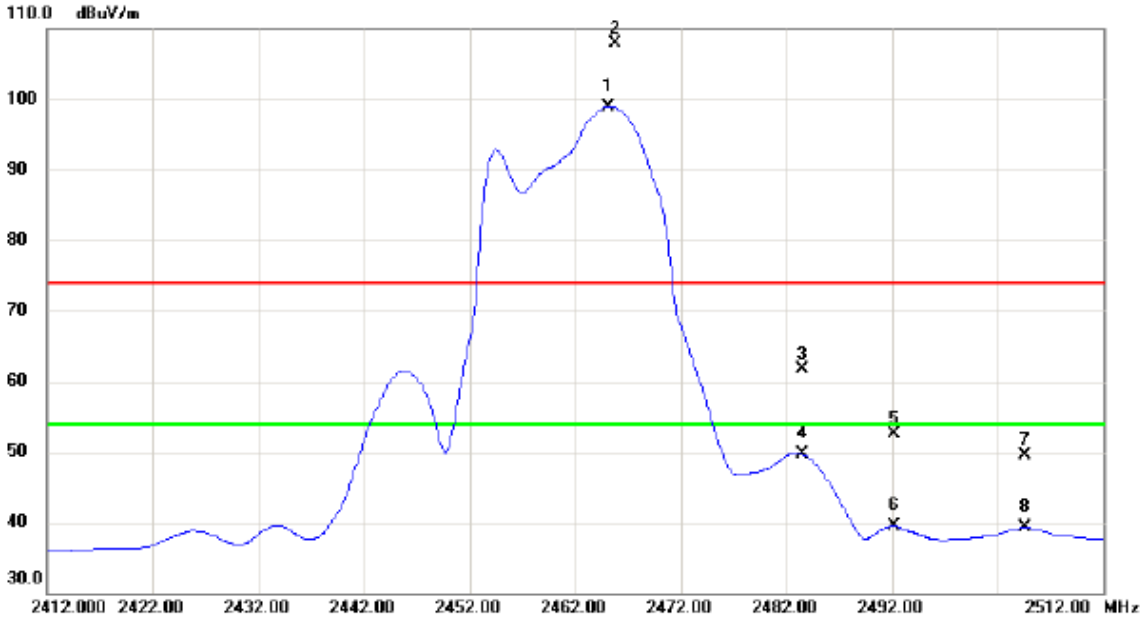
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4873.275	22.50	4.01	26.51	54.00	-27.49	AVG	
2		4873.650	33.02	4.01	37.03	74.00	-36.97	peak	

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

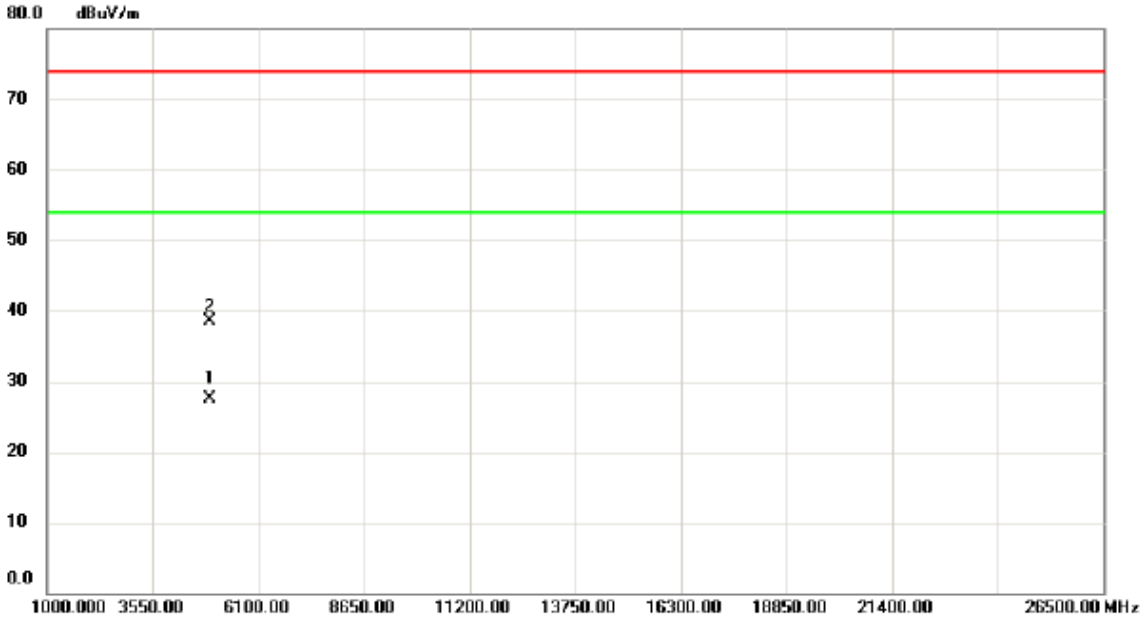
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2465.200	65.80	33.18	98.98	54.00	44.98	AVG	NO LIMIT
2	X	2465.750	74.67	33.18	107.85	74.00	33.85	peak	NO LIMIT
3		2483.500	28.40	33.28	61.68	74.00	-12.32	peak	
4		2483.500	16.45	33.28	49.73	54.00	-4.27	AVG	
5		2492.150	19.23	33.32	52.55	74.00	-21.45	peak	
6		2492.150	6.16	33.32	39.48	54.00	-14.52	AVG	
7		2504.650	16.09	33.39	49.48	74.00	-24.52	peak	
8		2504.650	5.88	33.39	39.27	54.00	-14.73	AVG	

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

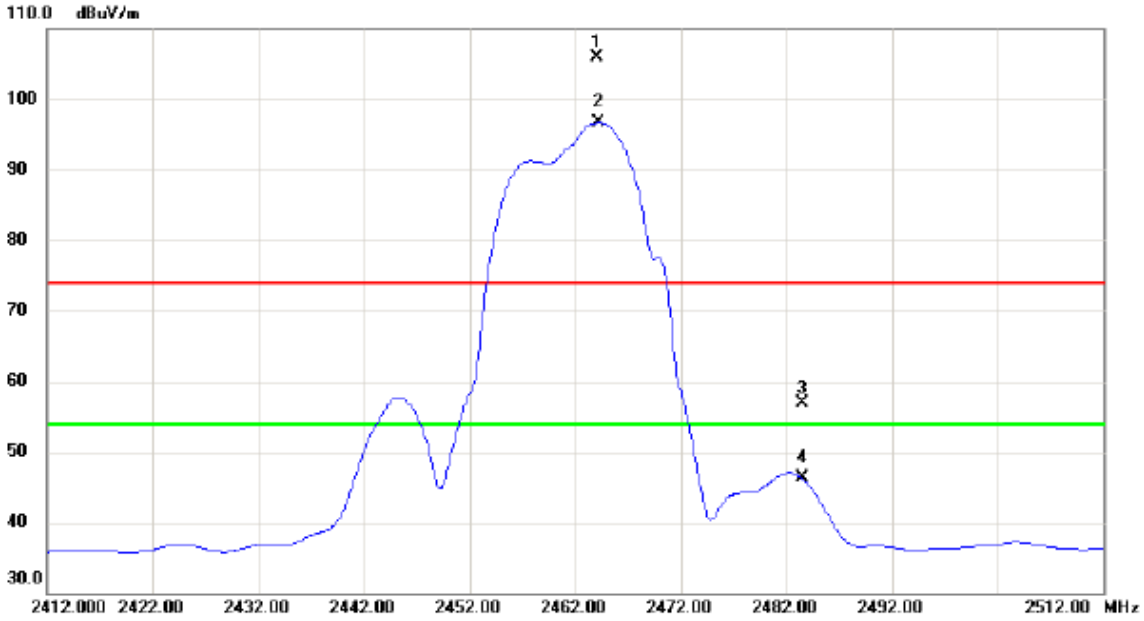
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4924.000	23.25	4.25	27.50	54.00	-26.50	AVG	
2		4924.225	34.23	4.25	38.48	74.00	-35.52	peak	

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

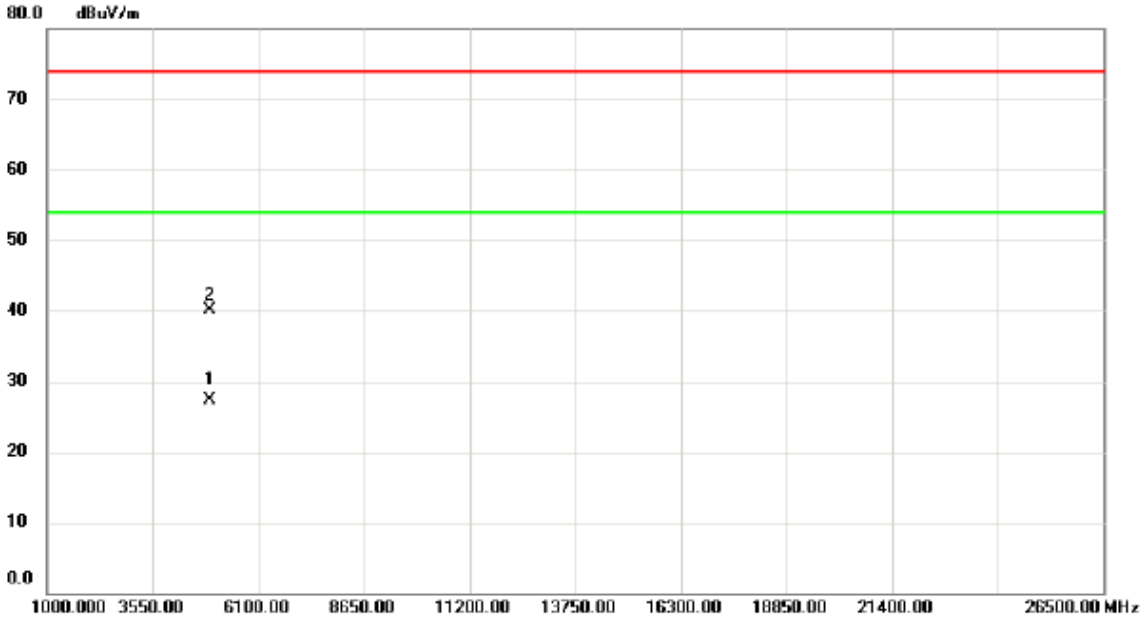
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2464.000	72.64	33.17	105.81	74.00	31.81	peak	NO LIMIT
2	*	2464.250	63.45	33.18	96.63	54.00	42.63	AVG	NO LIMIT
3		2483.500	23.56	33.28	56.84	74.00	-17.16	peak	
4		2483.500	12.94	33.28	46.22	54.00	-7.78	AVG	

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

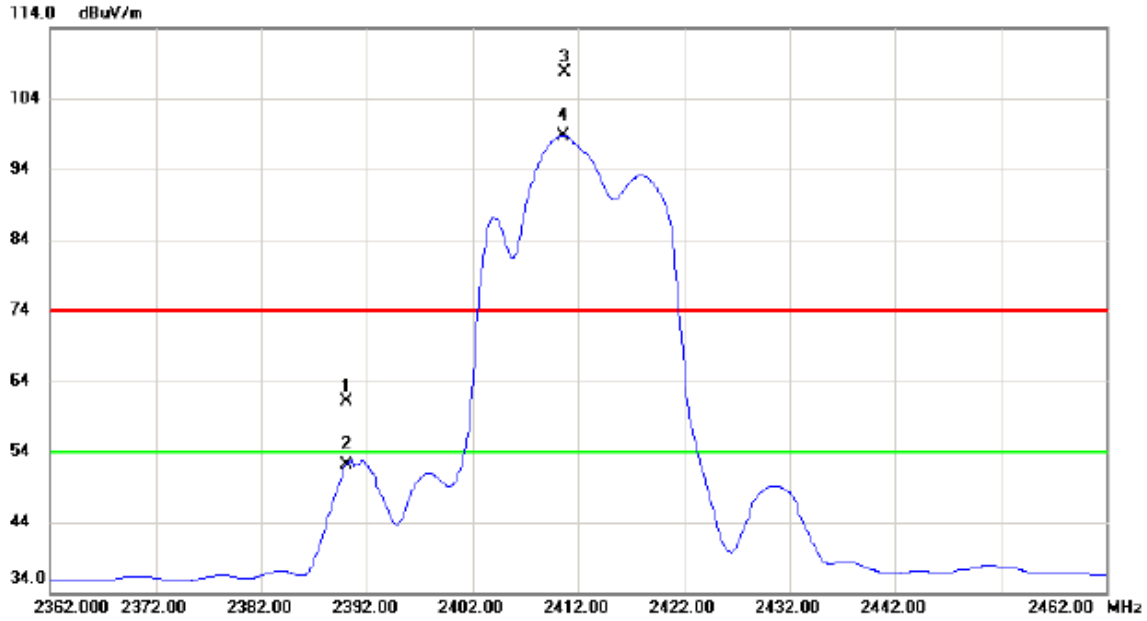
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4924.400	22.99	4.25	27.24	54.00	-26.76	AVG	
2		4925.725	35.77	4.25	40.02	74.00	-33.98	peak	

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

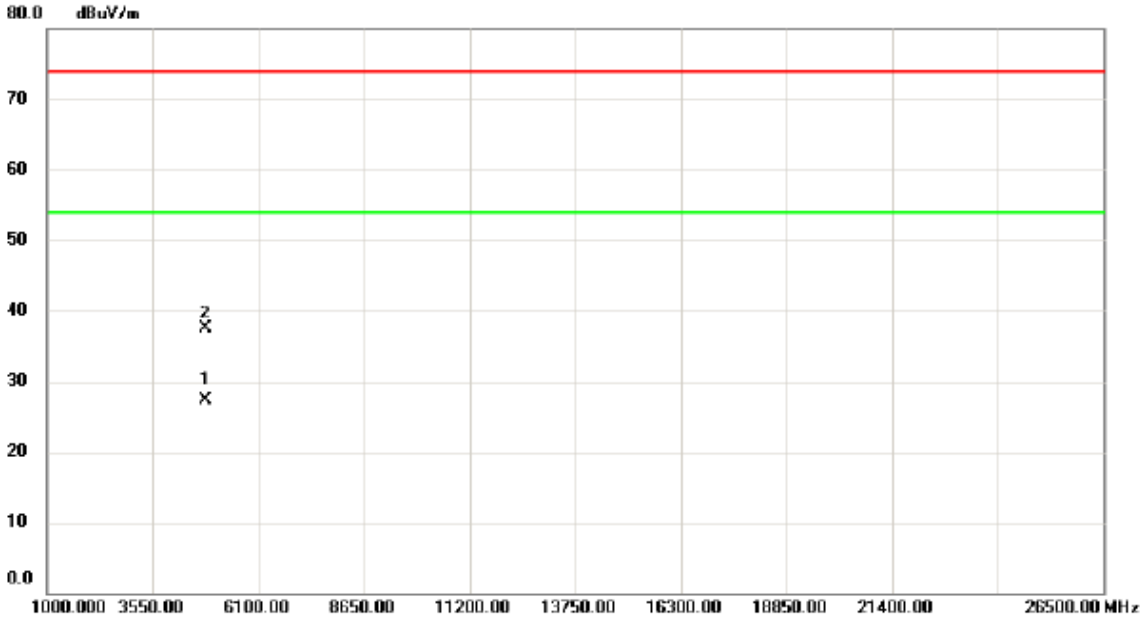
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	28.24	32.77	61.01	74.00	-12.99	peak	
2		2390.000	19.30	32.77	52.07	54.00	-1.93	AVG	
3	X	2410.750	74.87	32.89	107.76	74.00	33.76	peak	NO LIMIT
4	*	2410.600	65.85	32.89	98.74	54.00	44.74	AVG	NO LIMIT

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

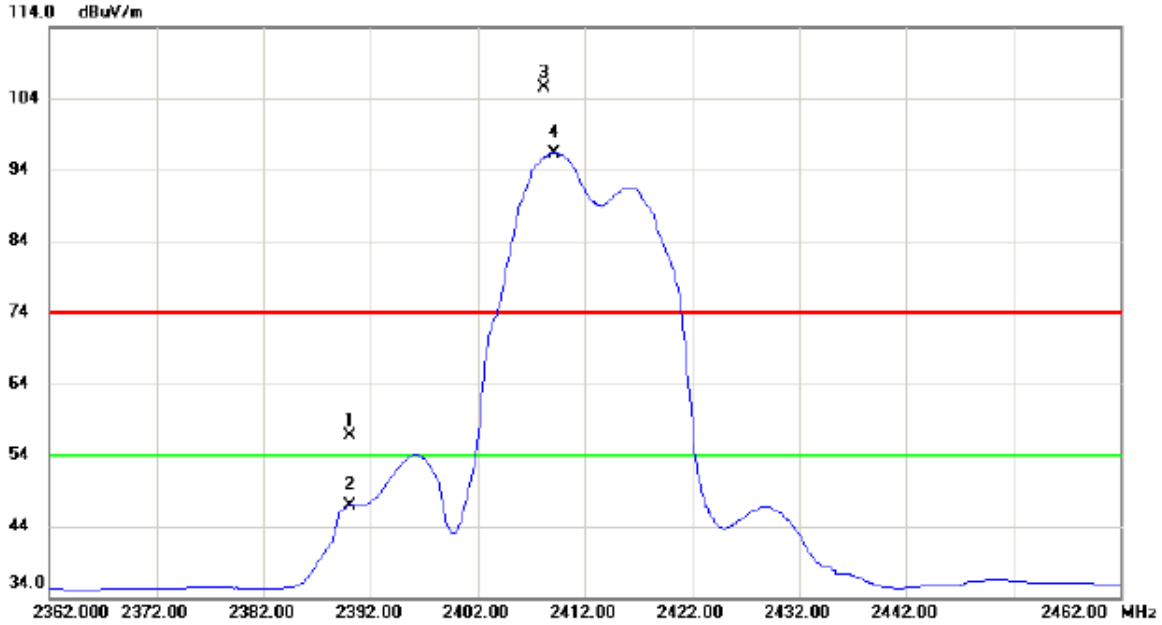
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.140	23.52	3.78	27.30	54.00	-26.70	AVG	
2		4824.220	33.82	3.78	37.60	74.00	-36.40	peak	

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

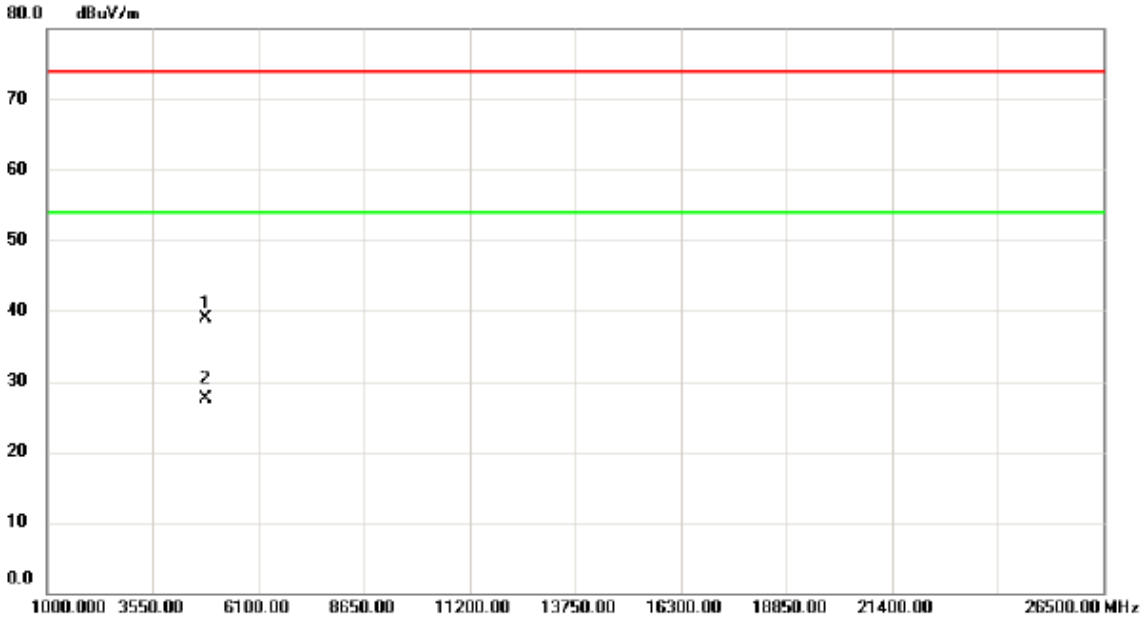
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.87	32.77	56.64	74.00	-17.36	peak	
2		2390.000	14.16	32.77	46.93	54.00	-7.07	AVG	
3	X	2408.250	72.60	32.88	105.48	74.00	31.48	peak	NO LIMIT
4	*	2409.200	63.51	32.88	96.39	54.00	42.39	AVG	NO LIMIT

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

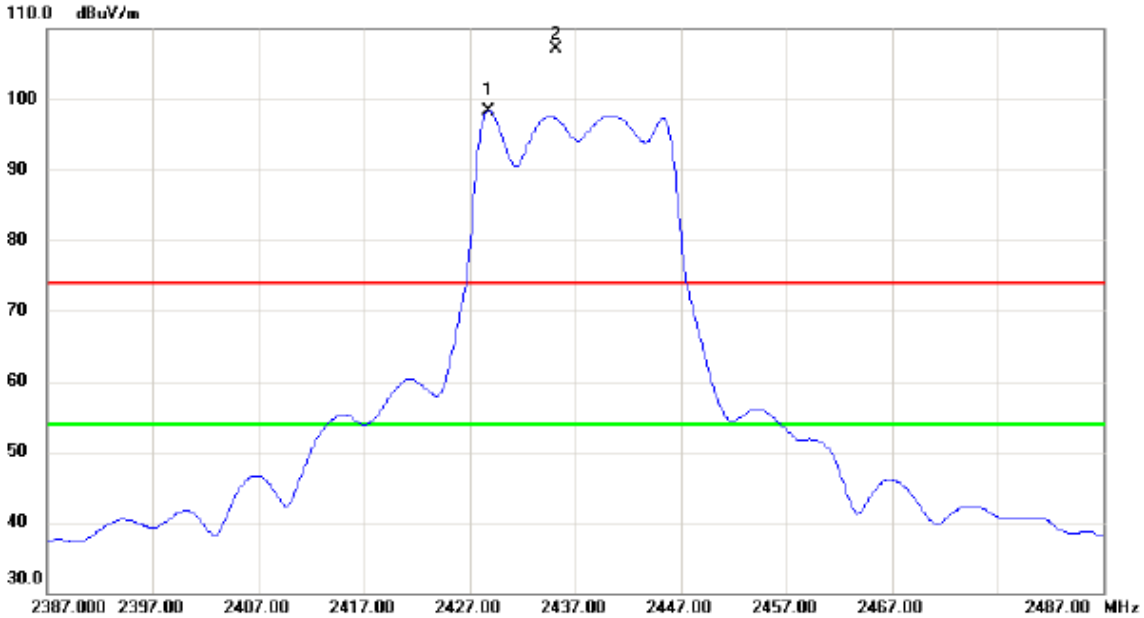
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.400	35.11	3.78	38.89	74.00	-35.11	peak	
2	*	4824.675	23.73	3.78	27.51	54.00	-26.49	AVG	

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

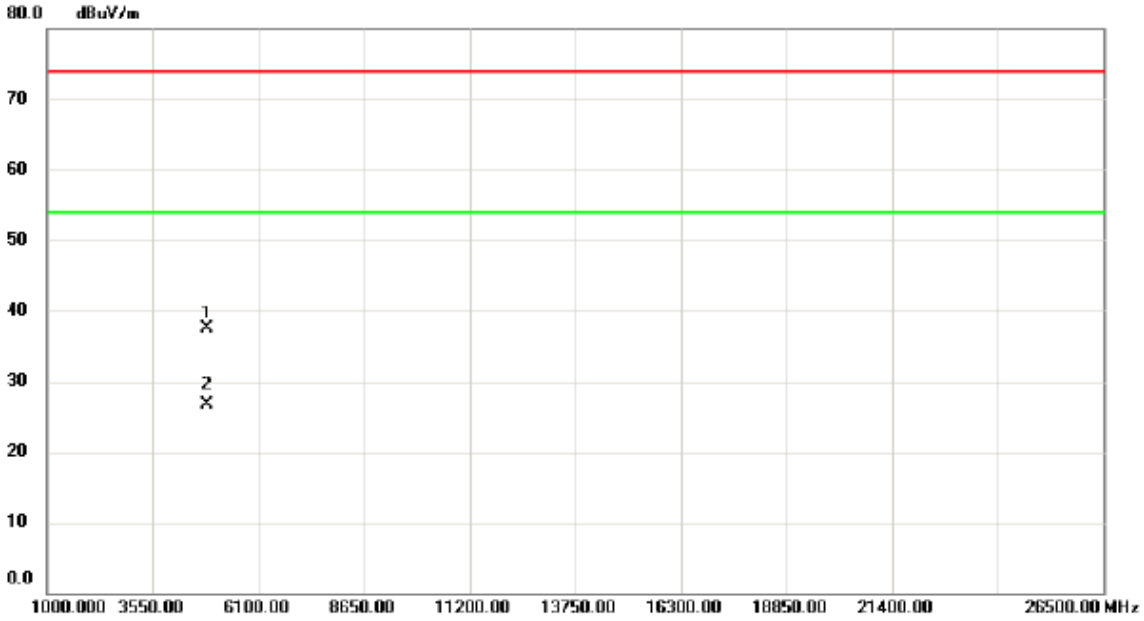
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2428.800	65.41	32.98	98.39	54.00	44.39	AVG	NO LIMIT
2	X	2435.200	74.12	33.02	107.14	74.00	33.14	peak	NO LIMIT

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

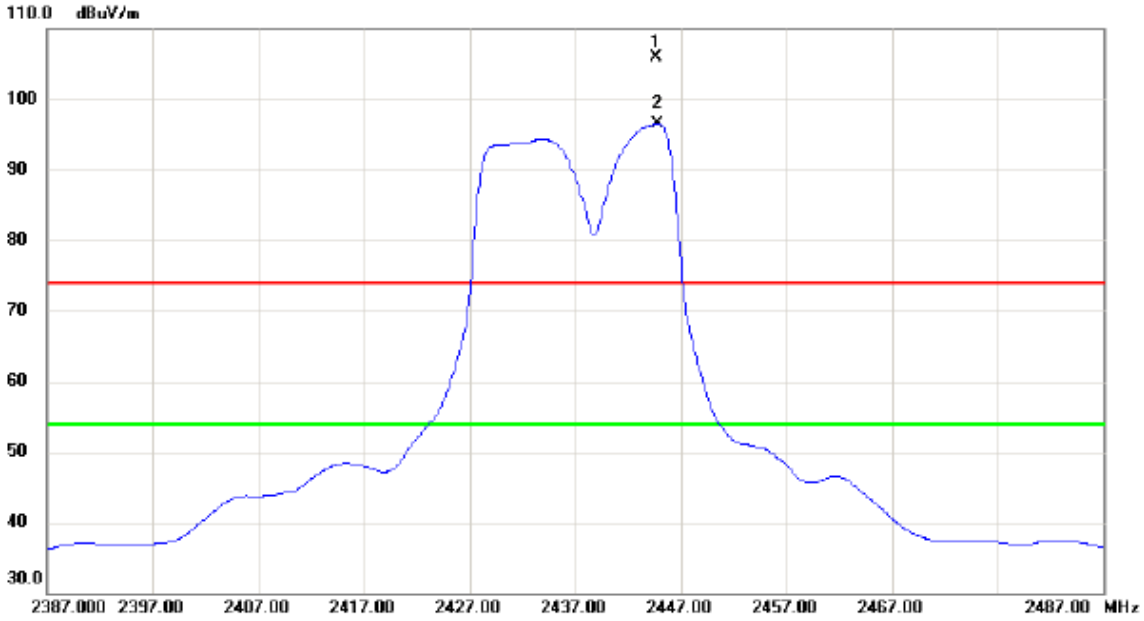
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.030	33.43	4.02	37.45	74.00	-36.55	peak	
2	*	4874.110	22.71	4.02	26.73	54.00	-27.27	AVG	

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

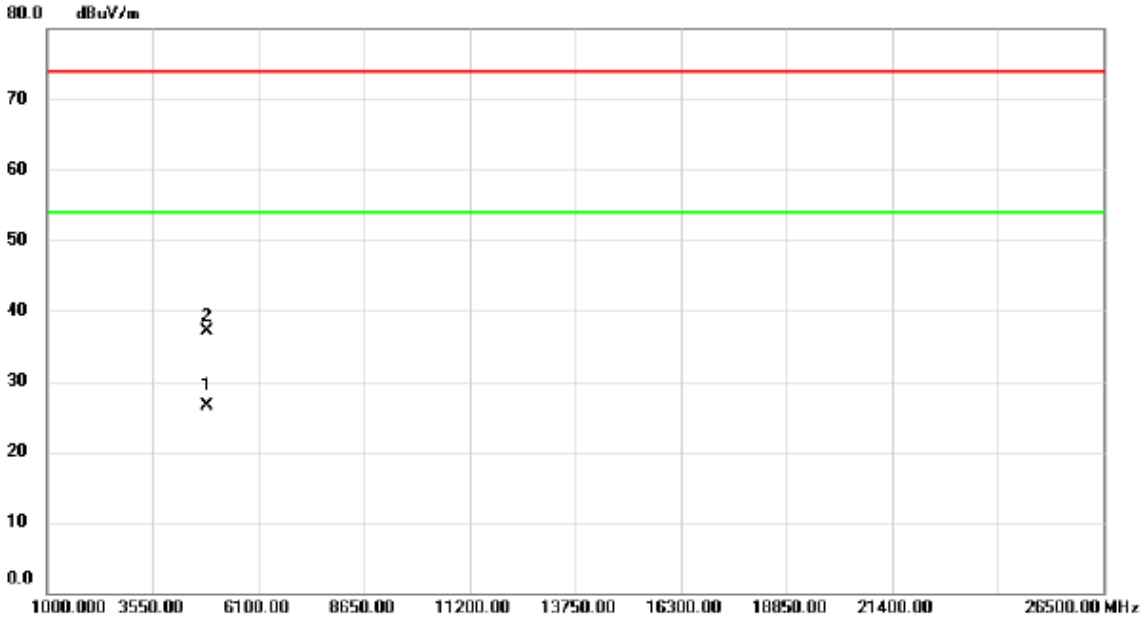
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2444.650	72.90	33.08	105.98	74.00	31.98	peak	NO LIMIT
2	*	2444.750	63.42	33.08	96.50	54.00	42.50	AVG	NO LIMIT

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

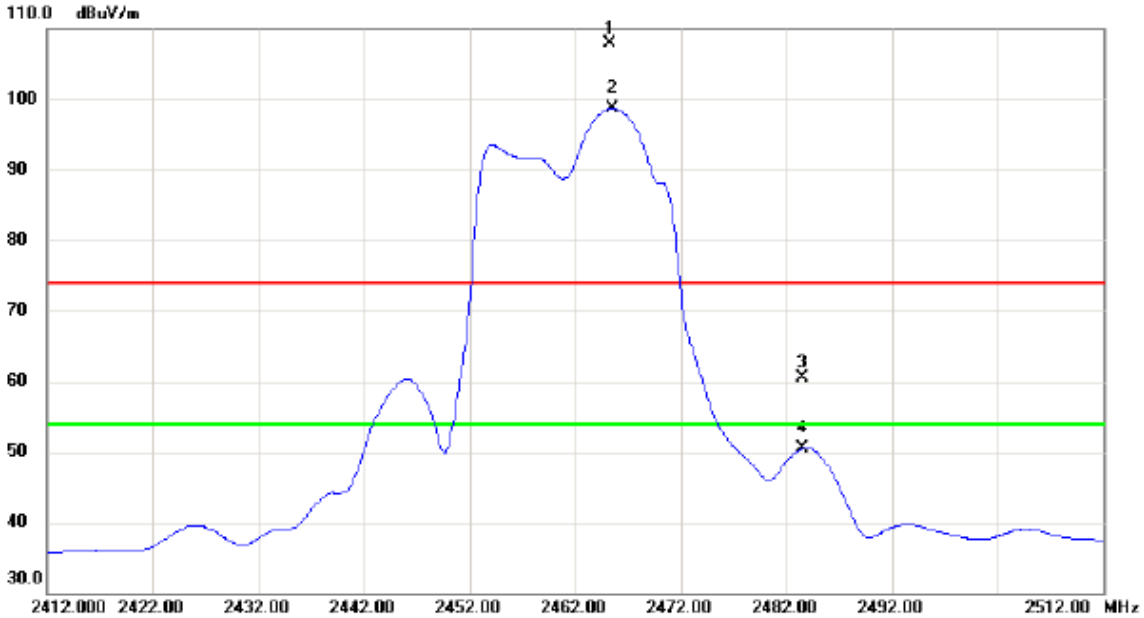
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4874.275	22.39	4.02	26.41	54.00	-27.59	AVG	
2		4874.325	33.08	4.02	37.10	74.00	-36.90	peak	

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

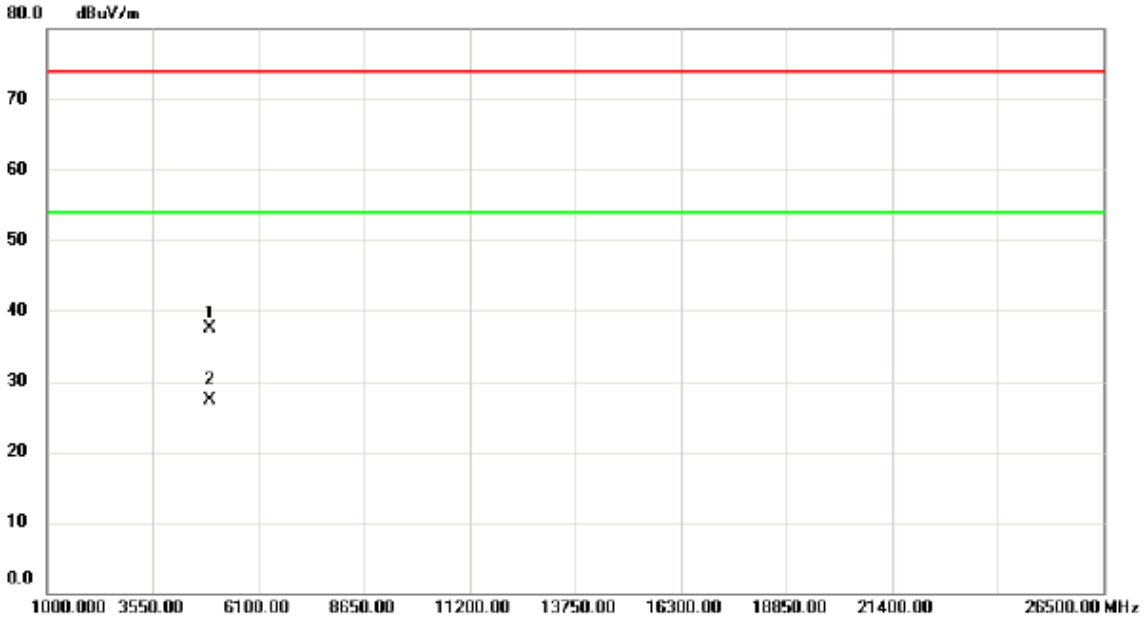
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2465.300	74.79	33.18	107.97	74.00	33.97	peak	NO LIMIT
2	*	2465.500	65.52	33.18	98.70	54.00	44.70	AVG	NO LIMIT
3		2483.500	27.28	33.28	60.56	74.00	-13.44	peak	
4		2483.500	17.19	33.28	50.47	54.00	-3.53	AVG	

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

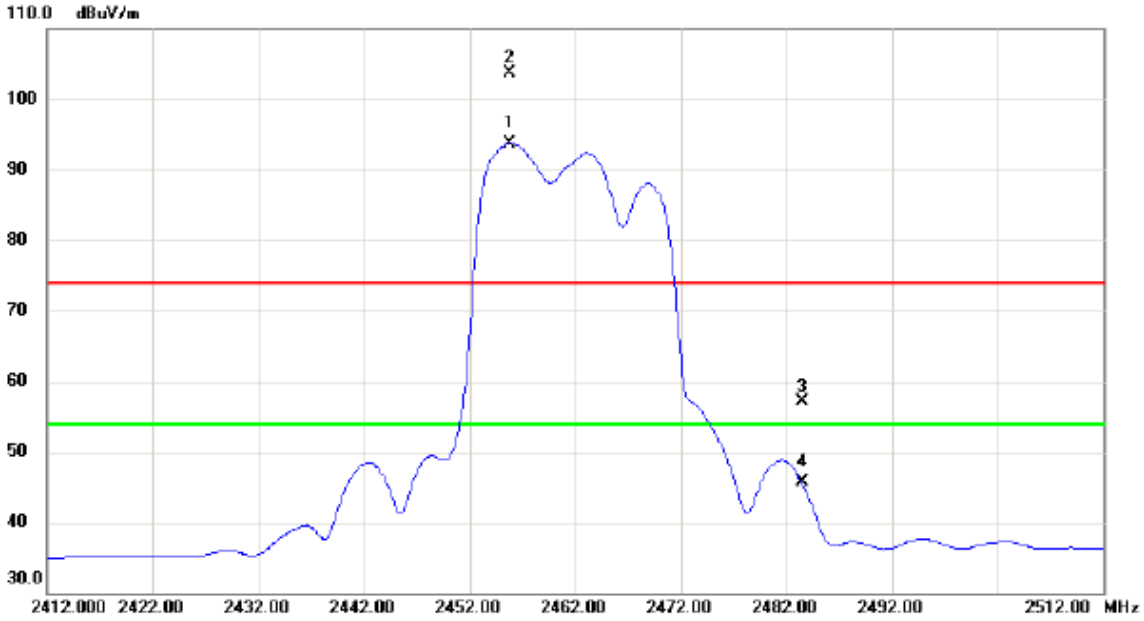
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.150	33.22	4.25	37.47	74.00	-36.53	peak	
2	*	4924.290	23.08	4.25	27.33	54.00	-26.67	AVG	

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

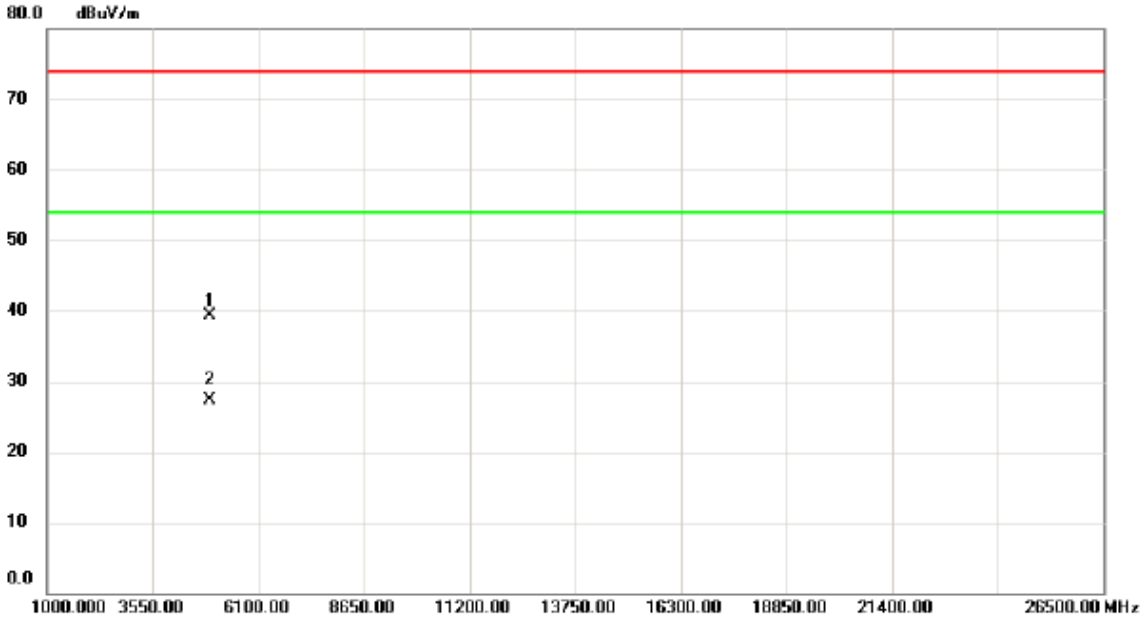
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2455.750	60.58	33.13	93.71	54.00	39.71	AVG	NO LIMIT
2	X	2455.800	70.63	33.13	103.76	74.00	29.76	peak	NO LIMIT
3		2483.500	23.91	33.28	57.19	74.00	-16.81	peak	
4		2483.500	12.36	33.28	45.64	54.00	-8.36	AVG	

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

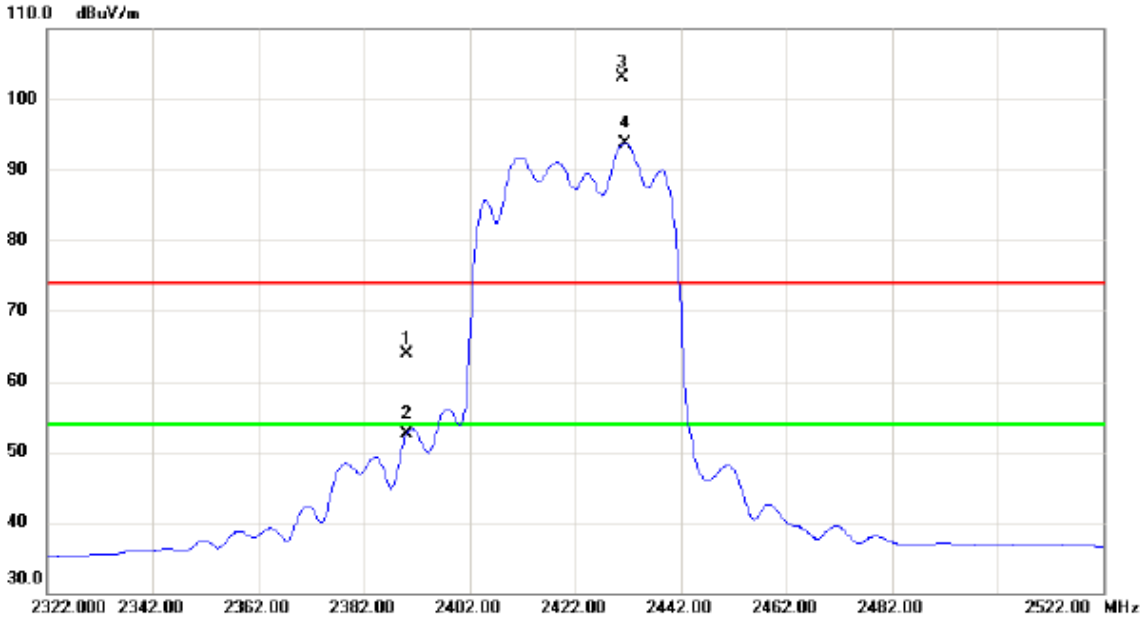
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.375	34.99	4.24	39.23	74.00	-34.77	peak	
2	*	4924.175	23.02	4.25	27.27	54.00	-26.73	AVG	

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

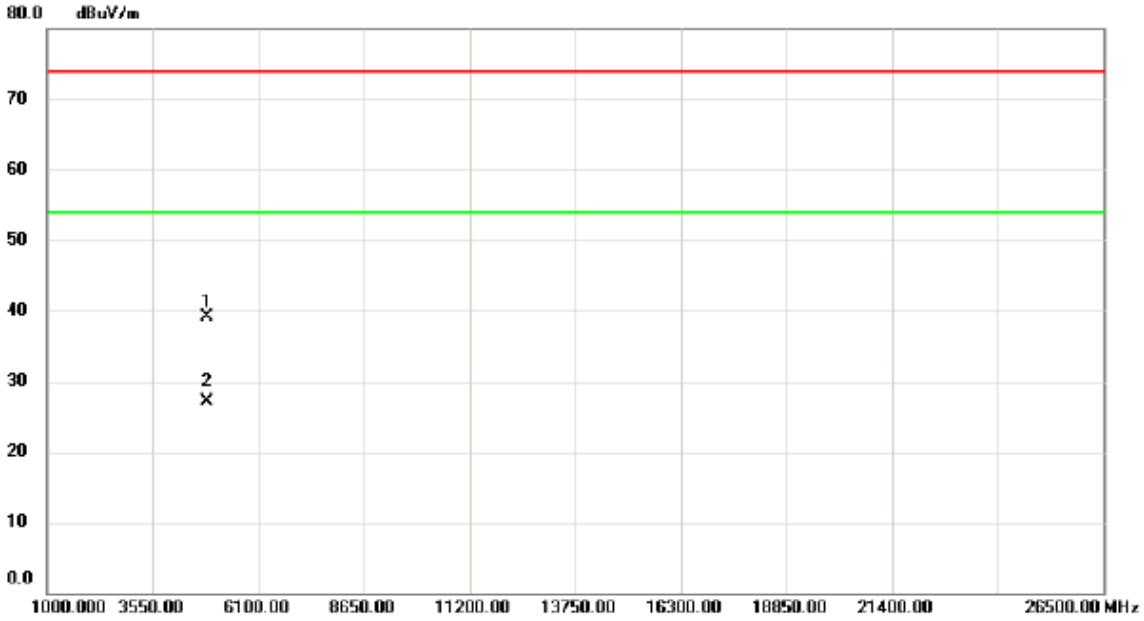
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	31.15	32.77	63.92	74.00	-10.08	peak	
2		2390.000	19.66	32.77	52.43	54.00	-1.57	AVG	
3	X	2430.900	70.02	32.99	103.01	74.00	29.01	peak	NO LIMIT
4	*	2431.600	60.74	33.01	93.75	54.00	39.75	AVG	NO LIMIT

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

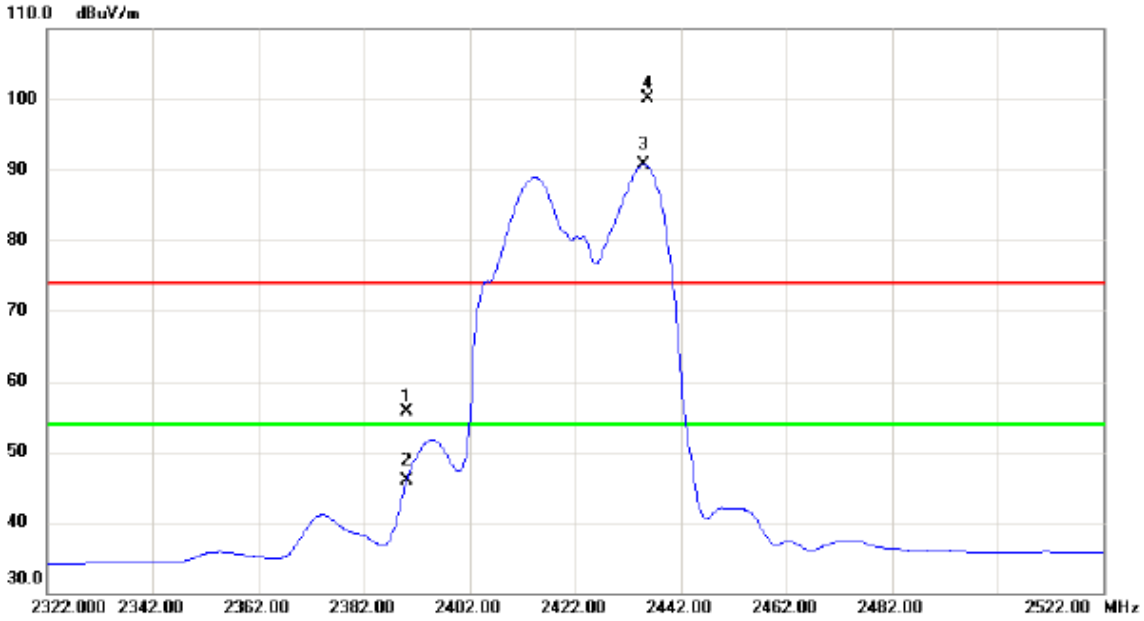
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4843.920	35.33	3.86	39.19	74.00	-34.81	peak	
2	*	4844.250	23.30	3.86	27.16	54.00	-26.84	AVG	

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

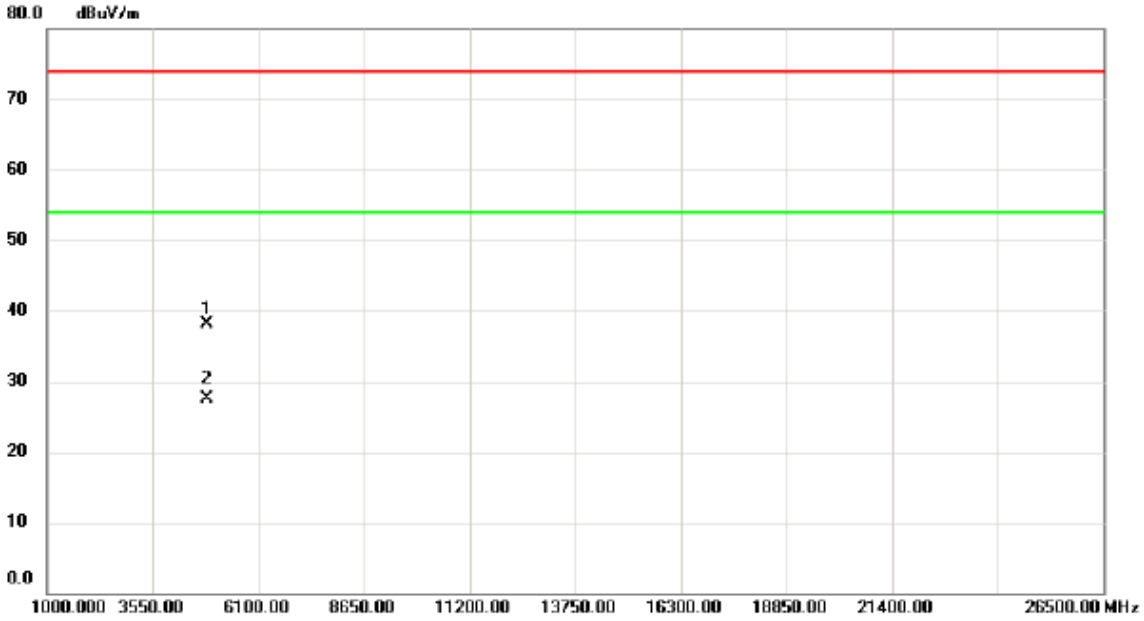
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	22.97	32.77	55.74	74.00	-18.26	peak	
2		2390.000	13.12	32.77	45.89	54.00	-8.11	AVG	
3	*	2435.000	57.66	33.02	90.68	54.00	36.68	AVG	NO LIMIT
4	X	2435.700	67.16	33.02	100.18	74.00	26.18	peak	NO LIMIT

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

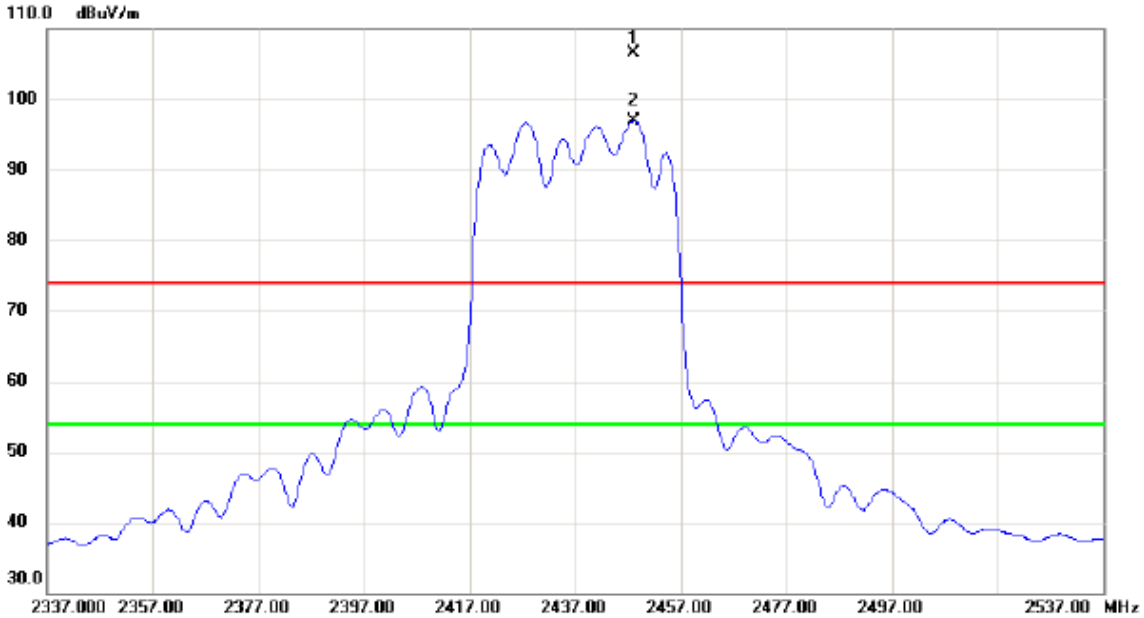
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4843.900	34.18	3.86	38.04	74.00	-35.96	peak	
2	*	4844.450	23.55	3.87	27.42	54.00	-26.58	AVG	

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

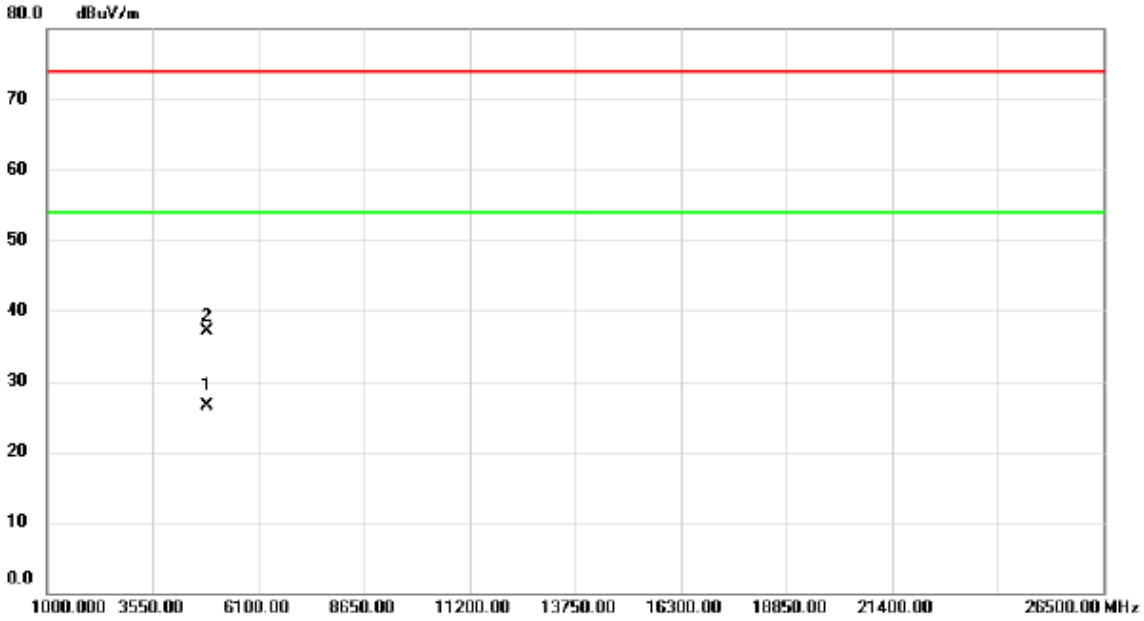
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2448.100	73.51	33.09	106.60	74.00	32.60	peak	NO LIMIT
2	*	2448.100	63.82	33.09	96.91	54.00	42.91	AVG	NO LIMIT

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

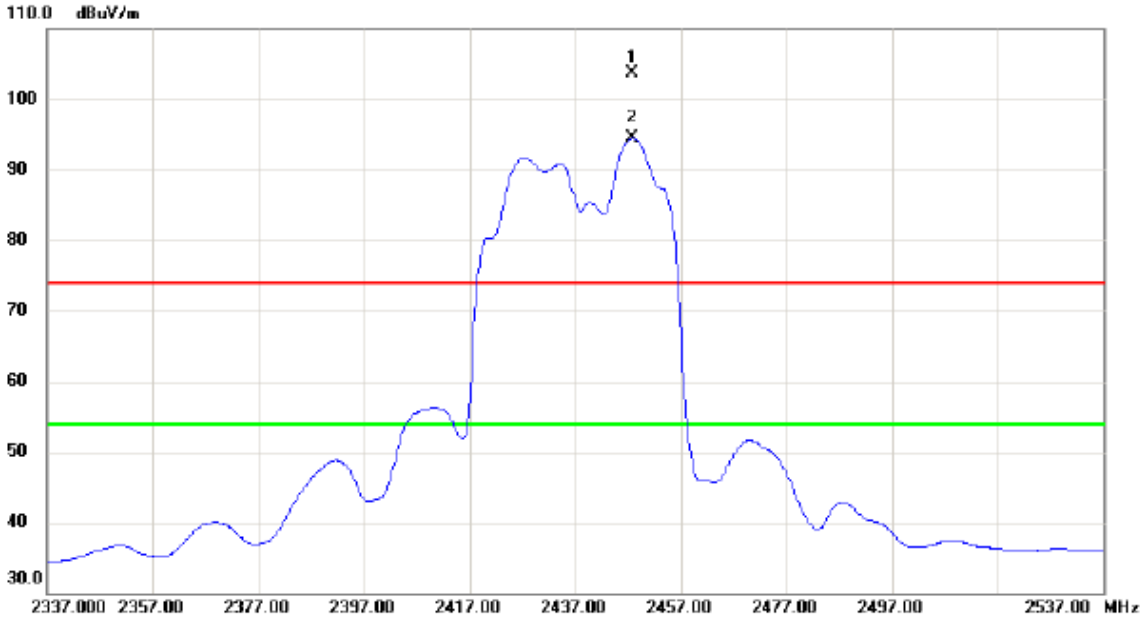
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4874.140	22.50	4.02	26.52	54.00	-27.48	AVG	
2		4874.170	33.04	4.02	37.06	74.00	-36.94	peak	

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

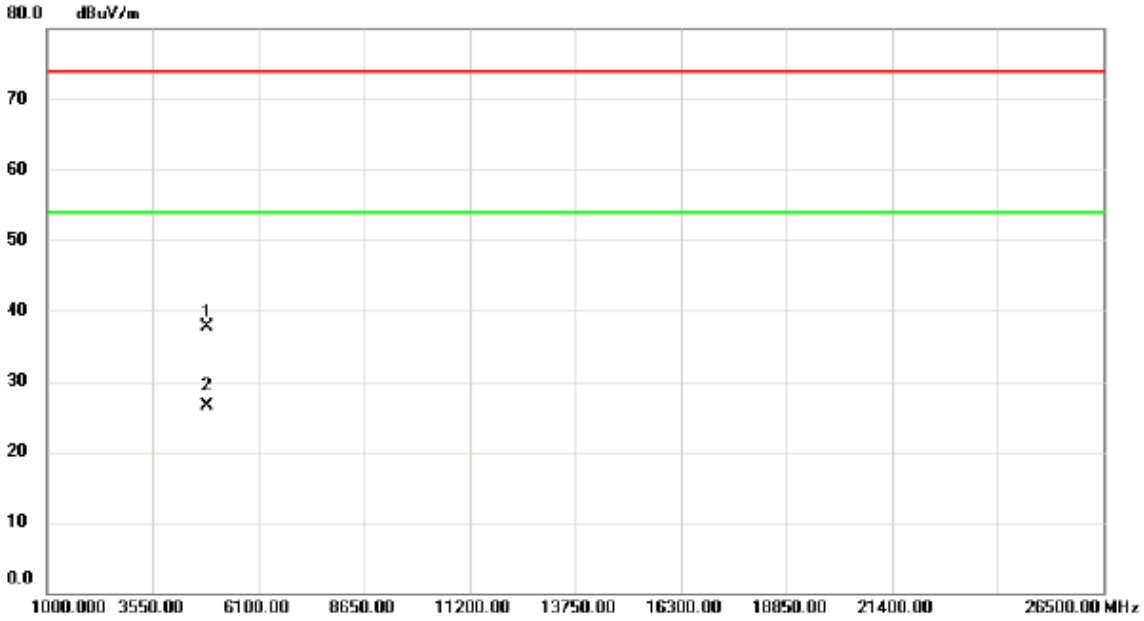
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2447.900	70.69	33.09	103.78	74.00	29.78	peak	NO LIMIT
2	*	2447.900	61.35	33.09	94.44	54.00	40.44	AVG	NO LIMIT

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

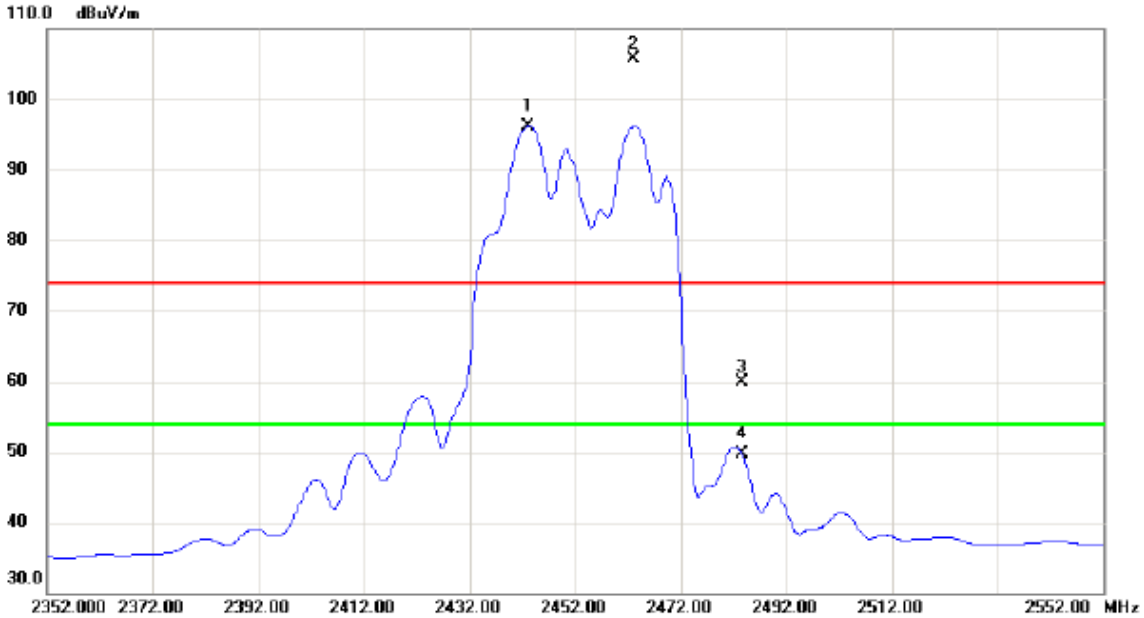
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.650	33.72	4.01	37.73	74.00	-36.27	peak	
2	*	4874.575	22.46	4.02	26.48	54.00	-27.52	AVG	

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

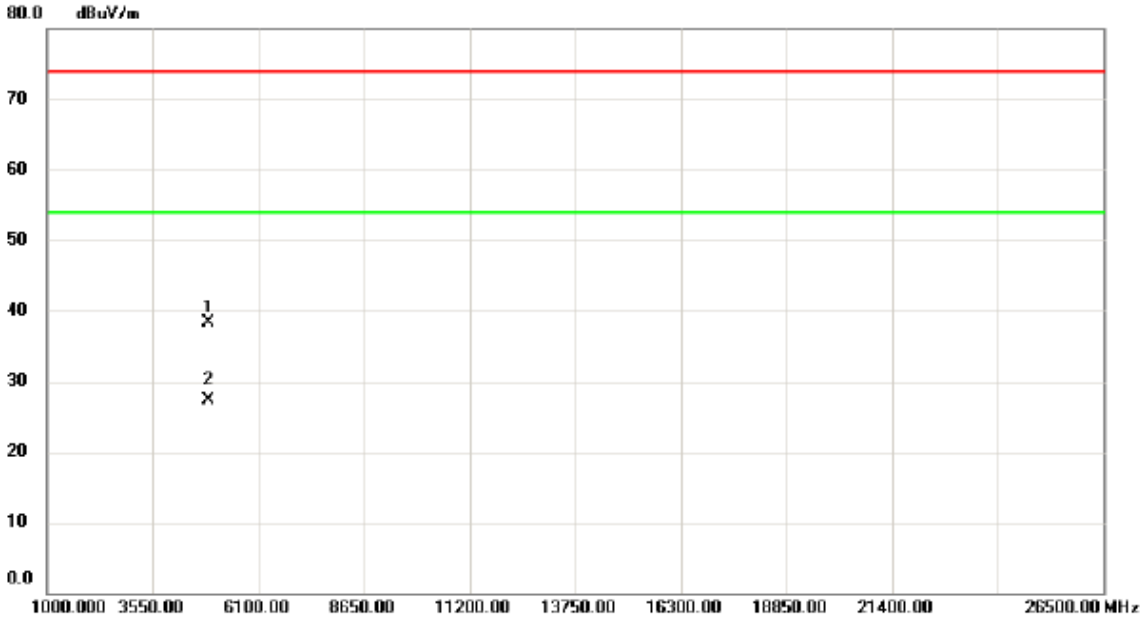
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2443.200	63.14	33.06	96.20	54.00	42.20	AVG	NO LIMIT
2	X	2463.200	72.47	33.17	105.64	74.00	31.64	peak	NO LIMIT
3		2483.500	26.62	33.28	59.90	74.00	-14.10	peak	
4		2483.500	16.47	33.28	49.75	54.00	-4.25	AVG	

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

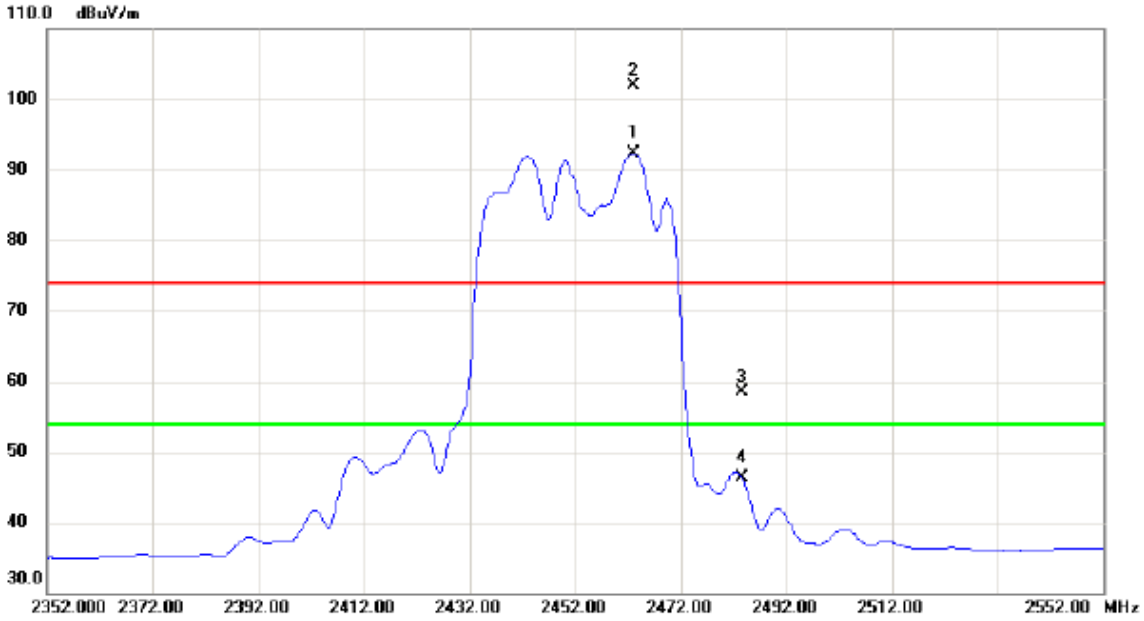
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4903.910	34.15	4.15	38.30	74.00	-35.70	peak	
2	*	4904.130	23.25	4.15	27.40	54.00	-26.60	AVG	

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

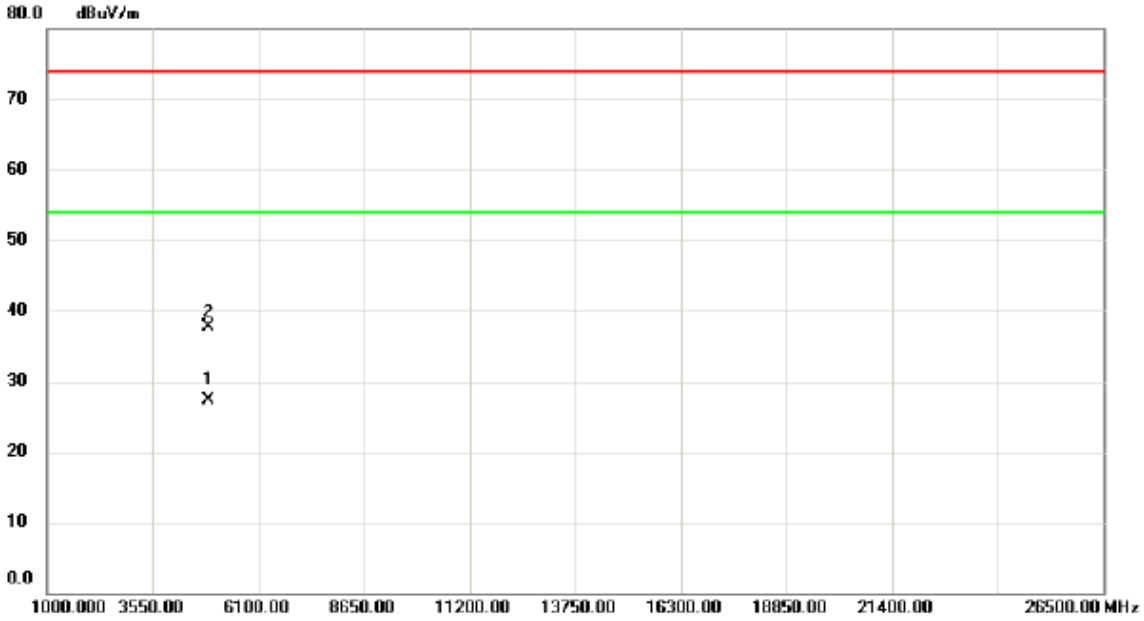
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2463.000	59.15	33.17	92.32	54.00	38.32	AVG	NO LIMIT
2	X	2463.100	68.69	33.17	101.86	74.00	27.86	peak	NO LIMIT
3		2483.500	25.20	33.28	58.48	74.00	-15.52	peak	
4		2483.500	13.06	33.28	46.34	54.00	-7.66	AVG	

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

Horizontal



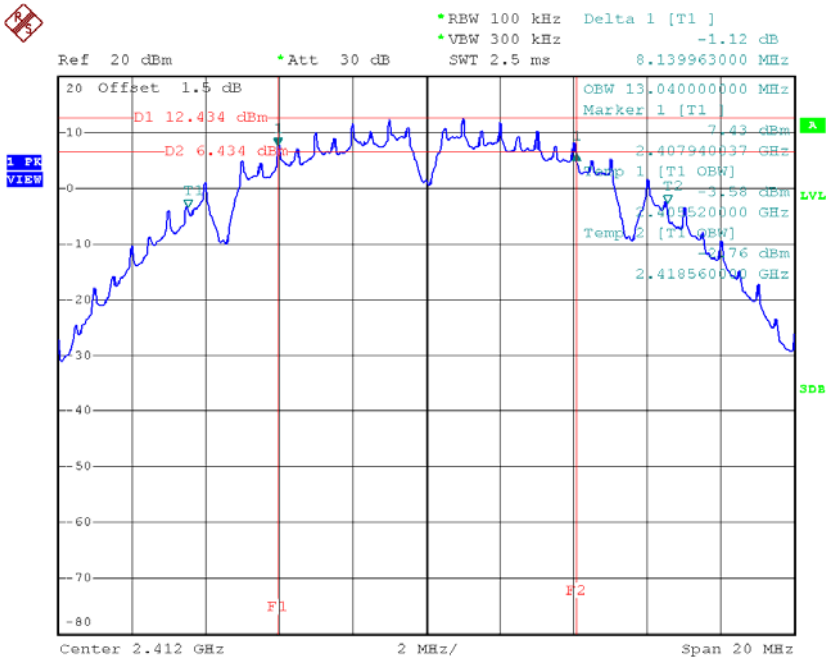
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4904.250	23.22	4.15	27.37	54.00	-26.63	AVG	
2		4904.350	33.59	4.15	37.74	74.00	-36.26	peak	

ATTACHMENT E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

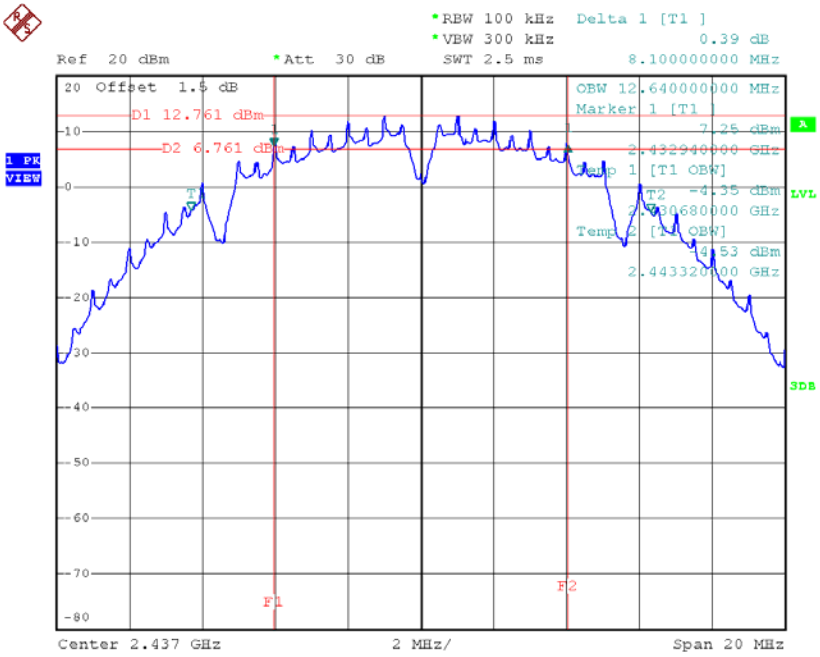
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	8.14	13.04	500	Complies
2437	8.10	12.64	500	Complies
2462	9.12	13.16	500	Complies

TX CH01



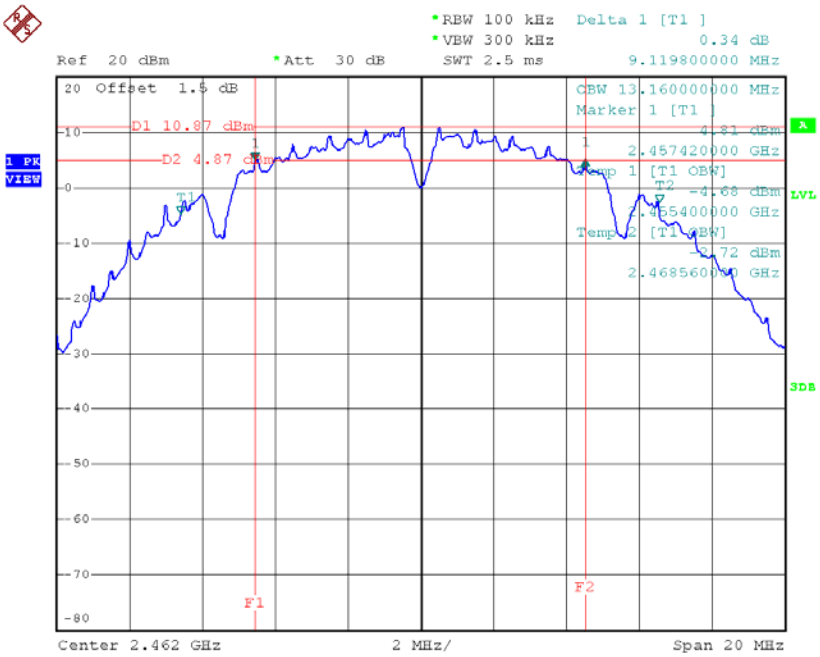
Date: 25.MAY.2016 21:19:30

TX CH06



Date: 25.MAY.2016 21:23:28

TX CH11

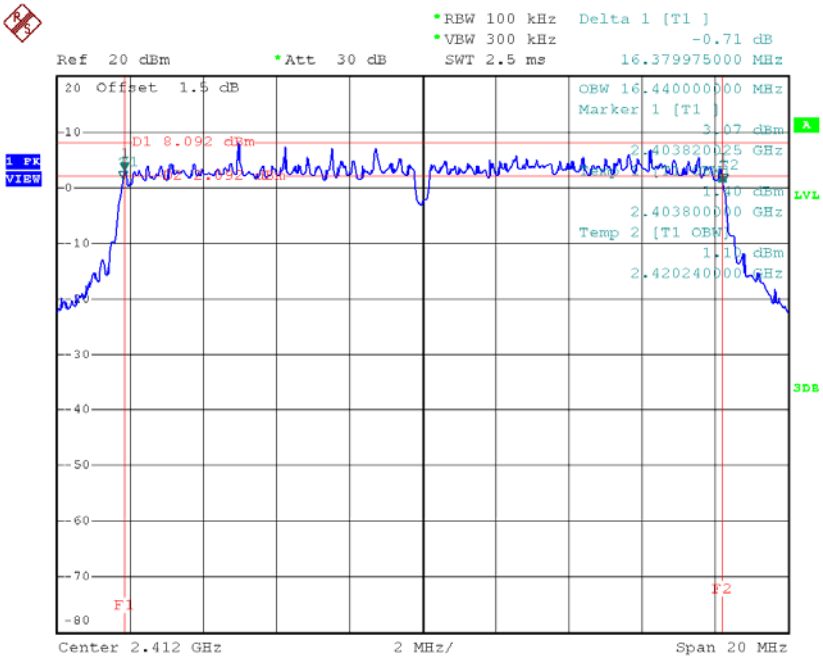


Date: 25.MAY.2016 21:27:30

Test Mode: TX G Mode_CH01/06/11

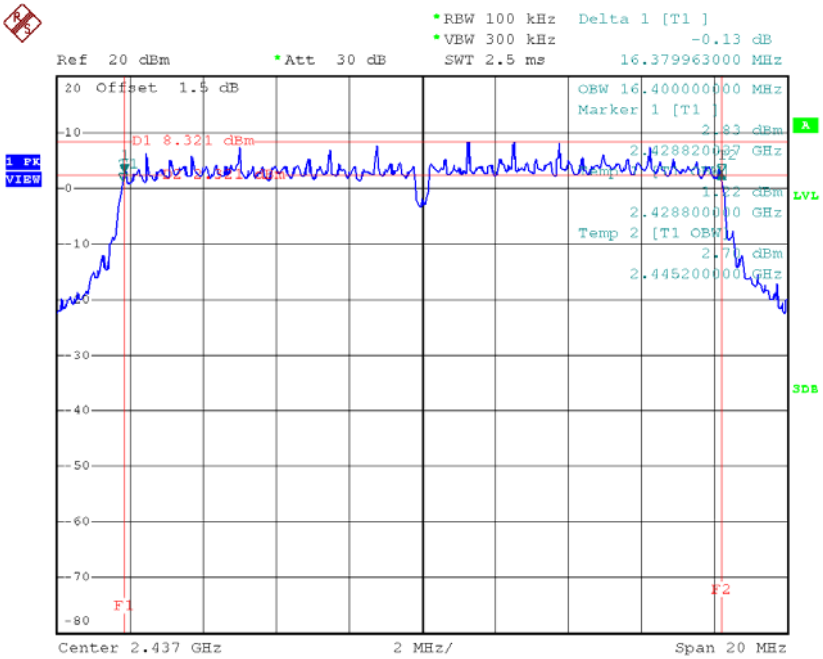
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.38	16.44	500	Complies
2437	16.38	16.40	500	Complies
2462	16.38	16.40	500	Complies

TX CH01



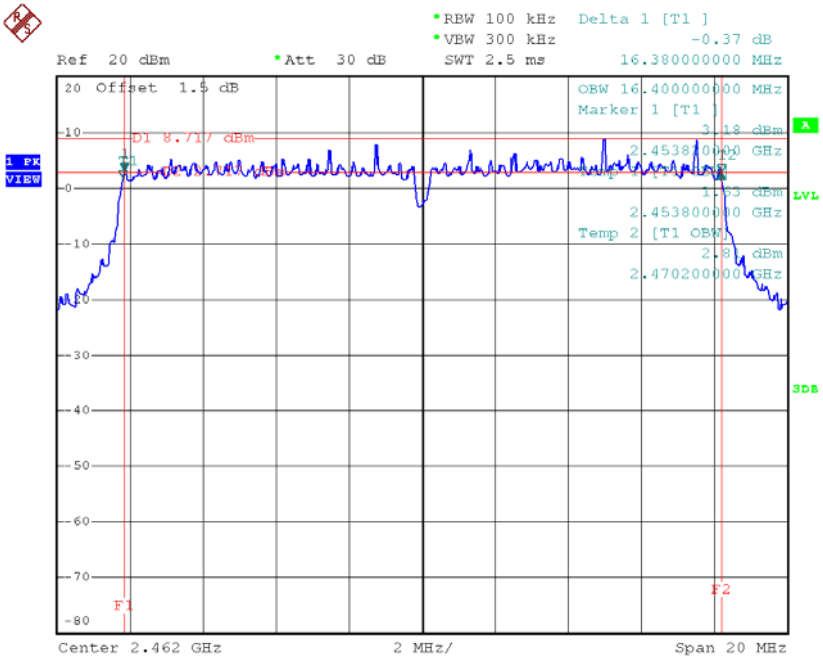
Date: 25.MAY.2016 21:30:30

TX CH06



Date: 25.MAY.2016 21:31:51

TX CH11

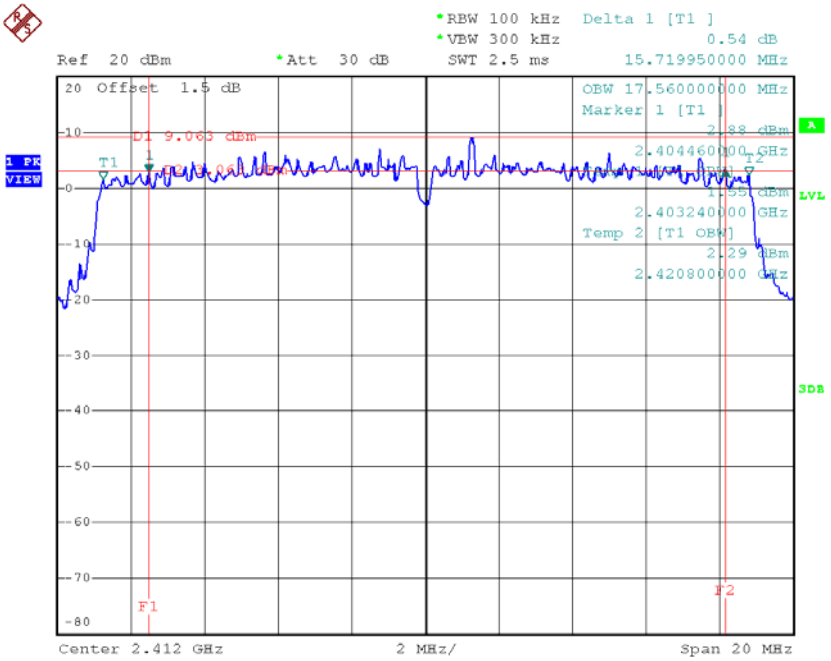


Date: 25.MAY.2016 21:32:38

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

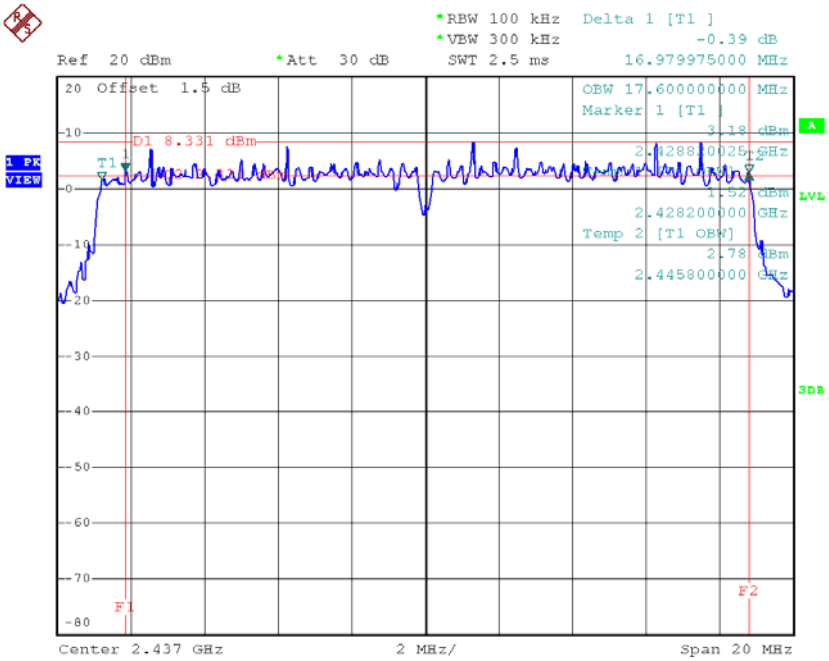
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	15.72	17.56	500	Complies
2437	16.98	17.60	500	Complies
2462	17.65	17.60	500	Complies

TX CH01



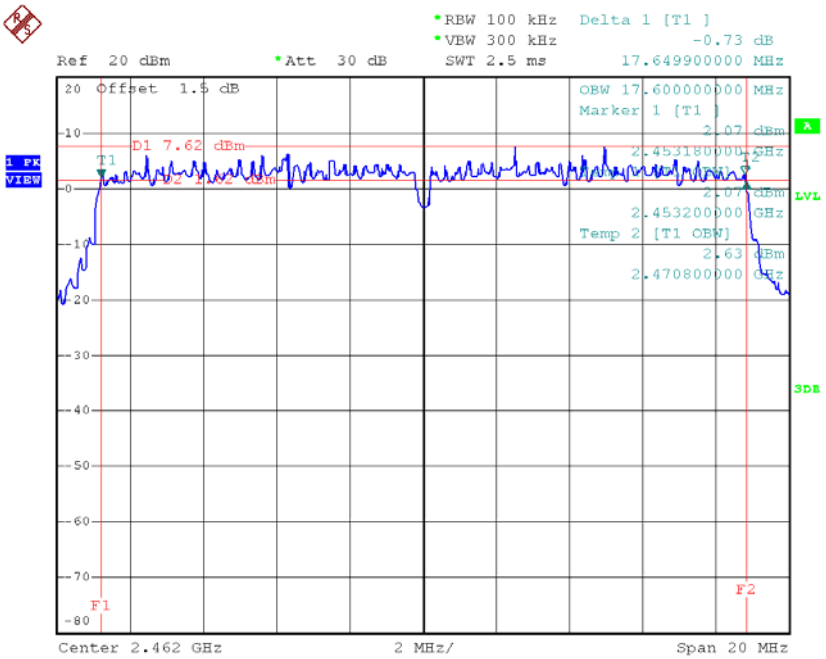
Date: 25.MAY.2016 21:36:24

TX CH06



Date: 25.MAY.2016 21:37:31

TX CH11

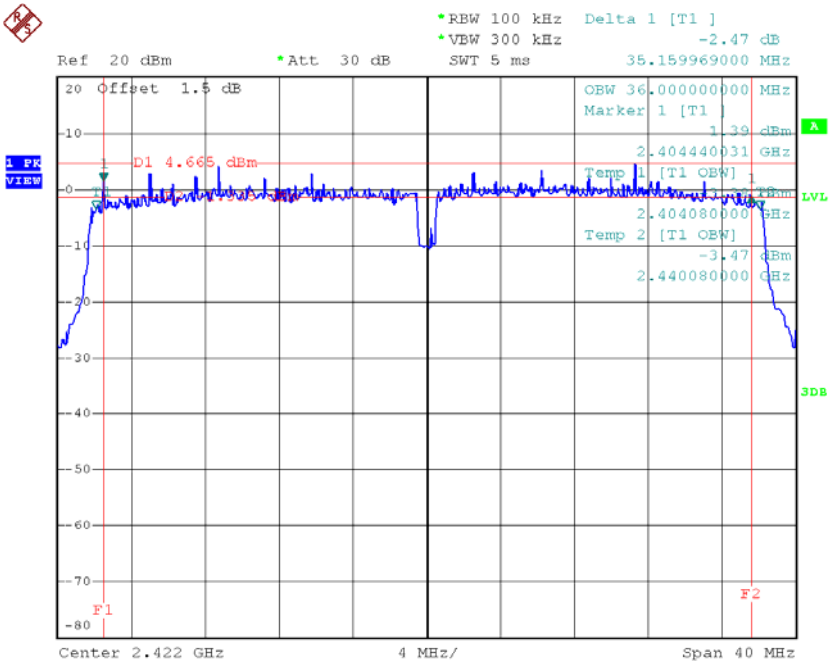


Date: 25.MAY.2016 21:38:25

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

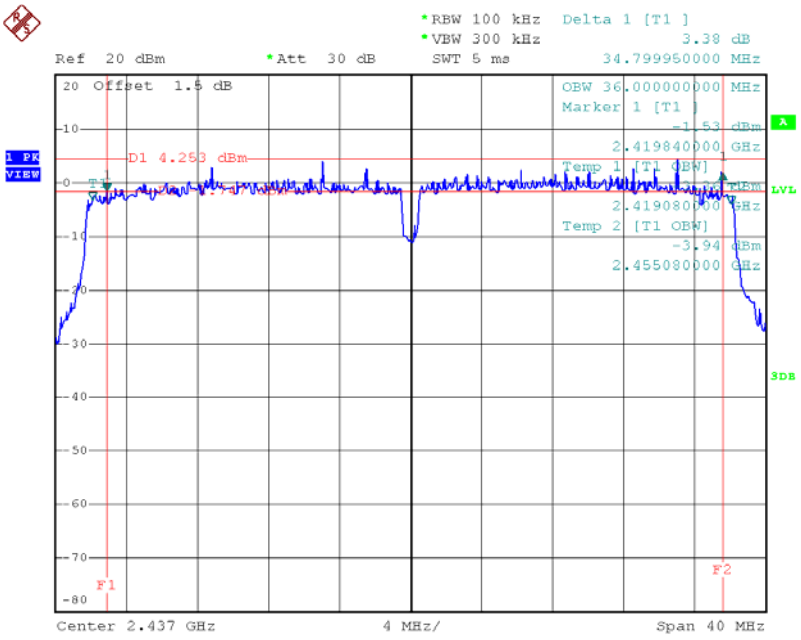
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.16	36.00	500	Complies
2437	34.80	36.00	500	Complies
2452	35.88	36.08	500	Complies

TX CH03



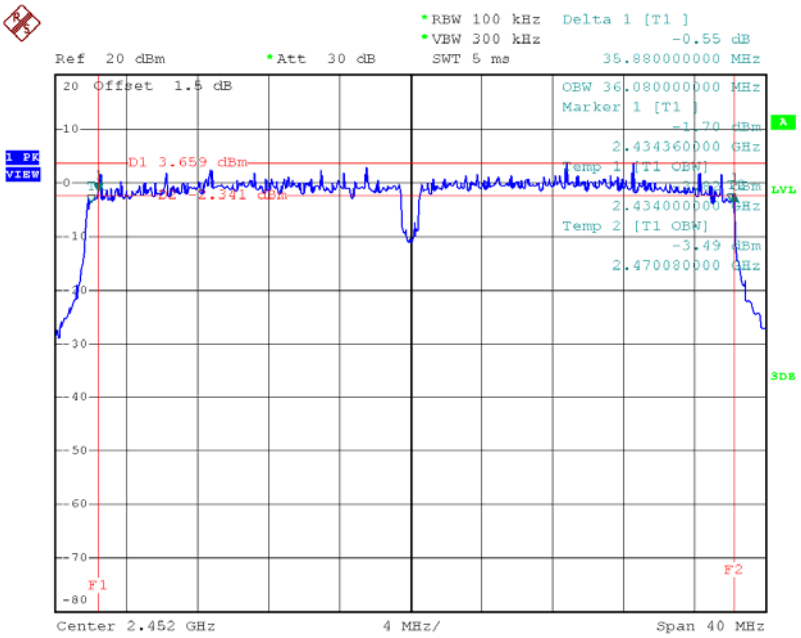
Date: 25.MAY.2016 21:39:58

TX CH06



Date: 25.MAY.2016 21:44:41

TX CH09



Date: 25.MAY.2016 21:45:39

ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

For 1T1R

Test Mode :TX B Mode_CH01/06/11					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.43	0.1104	30.00	1.00	Complies
2437	20.47	0.1114	30.00	1.00	Complies
2462	20.45	0.1109	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.51	0.0710	30.00	1.00	Complies
2437	18.24	0.0667	30.00	1.00	Complies
2462	18.27	0.0671	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.34	0.0682	30.00	1.00	Complies
2437	18.46	0.0701	30.00	1.00	Complies
2462	18.41	0.0693	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.37	0.0546	30.00	1.00	Complies
2437	17.39	0.0548	30.00	1.00	Complies
2452	17.46	0.0557	30.00	1.00	Complies

For 2T2R

Test Mode :TX B Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.43	0.1104	30.00	1.00	Complies
2437	20.44	0.1107	30.00	1.00	Complies
2462	20.46	0.1112	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.51	0.1125	30.00	1.00	Complies
2437	20.38	0.1091	30.00	1.00	Complies
2462	20.43	0.1104	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.48	0.2229	30.00	1.00	Complies
2437	23.42	0.2198	30.00	1.00	Complies
2462	23.46	0.2216	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.55	0.0716	30.00	1.00	Complies
2437	18.51	0.0710	30.00	1.00	Complies
2462	18.53	0.0713	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.51	0.0710	30.00	1.00	Complies
2437	18.57	0.0719	30.00	1.00	Complies
2462	18.5	0.0708	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.54	0.1426	30.00	1.00	Complies
2437	21.55	0.1429	30.00	1.00	Complies
2462	21.53	0.1421	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.54	0.0714	30.00	1.00	Complies
2437	18.48	0.0705	30.00	1.00	Complies
2462	18.43	0.0697	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.47	0.0703	30.00	1.00	Complies
2437	18.44	0.0698	30.00	1.00	Complies
2462	18.49	0.0706	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.52	0.1418	30.00	1.00	Complies
2437	21.47	0.1403	30.00	1.00	Complies
2462	21.47	0.1403	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.44	0.0555	30.00	1.00	Complies
2437	17.43	0.0553	30.00	1.00	Complies
2452	17.4	0.0550	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.53	0.0566	30.00	1.00	Complies
2437	17.52	0.0565	30.00	1.00	Complies
2452	17.51	0.0564	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	20.50	0.1121	30.00	1.00	Complies
2437	20.49	0.1118	30.00	1.00	Complies
2452	20.47	0.1113	30.00	1.00	Complies

For 3T3R

Test Mode :TX B Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.43	0.1104	30.00	1.00	Complies
2437	20.38	0.1091	30.00	1.00	Complies
2462	20.51	0.1125	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.37	0.1089	30.00	1.00	Complies
2437	20.52	0.1127	30.00	1.00	Complies
2462	20.43	0.1104	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.44	0.1107	30.00	1.00	Complies
2437	20.41	0.1099	30.00	1.00	Complies
2462	20.57	0.1140	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	25.18	0.3300	30.00	1.00	Complies
2437	25.21	0.3318	30.00	1.00	Complies
2462	25.27	0.3369	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.53	0.0713	30.00	1.00	Complies
2437	18.43	0.0697	30.00	1.00	Complies
2462	18.44	0.0698	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.4	0.0692	30.00	1.00	Complies
2437	18.41	0.0693	30.00	1.00	Complies
2462	18.44	0.0698	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.36	0.0685	30.00	1.00	Complies
2437	18.37	0.0687	30.00	1.00	Complies
2462	18.42	0.0695	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.20	0.2090	30.00	1.00	Complies
2437	23.17	0.2077	30.00	1.00	Complies
2462	23.20	0.2091	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.52	0.0711	30.00	1.00	Complies
2437	18.33	0.0681	30.00	1.00	Complies
2462	18.37	0.0687	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.43	0.0697	30.00	1.00	Complies
2437	18.48	0.0705	30.00	1.00	Complies
2462	18.45	0.0700	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.33	0.0681	30.00	1.00	Complies
2437	18.47	0.0703	30.00	1.00	Complies
2462	18.46	0.0701	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.20	0.2089	30.00	1.00	Complies
2437	23.20	0.2089	30.00	1.00	Complies
2462	23.20	0.2088	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.44	0.0555	30.00	1.00	Complies
2437	17.39	0.0548	30.00	1.00	Complies
2452	17.43	0.0553	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.46	0.0557	30.00	1.00	Complies
2437	17.54	0.0568	30.00	1.00	Complies
2452	17.38	0.0547	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.43	0.0553	30.00	1.00	Complies
2437	17.45	0.0556	30.00	1.00	Complies
2452	17.39	0.0548	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	22.21	0.1665	30.00	1.00	Complies
2437	22.23	0.1672	30.00	1.00	Complies
2452	22.17	0.1649	30.00	1.00	Complies

For 4T4R

Test Mode :TX B Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.46	0.1112	30.00	1.00	Complies
2437	20.42	0.1102	30.00	1.00	Complies
2462	20.35	0.1084	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.33	0.1079	30.00	1.00	Complies
2437	20.34	0.1081	30.00	1.00	Complies
2462	20.39	0.1094	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.42	0.1102	30.00	1.00	Complies
2437	20.46	0.1112	30.00	1.00	Complies
2462	20.37	0.1089	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.41	0.1099	30.00	1.00	Complies
2437	20.31	0.1074	30.00	1.00	Complies
2462	20.33	0.1079	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	26.43	0.4391	30.00	1.00	Complies
2437	26.40	0.4369	30.00	1.00	Complies
2462	26.38	0.4346	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.43	0.0277	30.00	1.00	Complies
2437	18.51	0.0710	30.00	1.00	Complies
2462	15.47	0.0352	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.38	0.0274	30.00	1.00	Complies
2437	18.45	0.0700	30.00	1.00	Complies
2462	15.52	0.0356	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.48	0.0281	30.00	1.00	Complies
2437	18.53	0.0713	30.00	1.00	Complies
2462	15.36	0.0344	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.48	0.0281	30.00	1.00	Complies
2437	18.27	0.0671	30.00	1.00	Complies
2462	15.34	0.0342	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.46	0.1113	30.00	1.00	Complies
2437	24.46	0.2794	30.00	1.00	Complies
2462	21.44	0.1394	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.52	0.0283	30.00	1.00	Complies
2437	18.37	0.0687	30.00	1.00	Complies
2462	15.41	0.0348	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.47	0.0280	30.00	1.00	Complies
2437	18.42	0.0695	30.00	1.00	Complies
2462	15.34	0.0342	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.62	0.0290	30.00	1.00	Complies
2437	18.45	0.0700	30.00	1.00	Complies
2462	15.39	0.0346	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.67	0.0293	30.00	1.00	Complies
2437	18.46	0.0701	30.00	1.00	Complies
2462	15.37	0.0344	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.59	0.1146	30.00	1.00	Complies
2437	24.45	0.2783	30.00	1.00	Complies
2462	21.40	0.1380	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	13.41	0.0219	30.00	1.00	Complies
2437	17.38	0.0547	30.00	1.00	Complies
2452	14.51	0.0282	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	13.47	0.0222	30.00	1.00	Complies
2437	17.41	0.0551	30.00	1.00	Complies
2452	14.52	0.0283	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	13.38	0.0218	30.00	1.00	Complies
2437	17.28	0.0535	30.00	1.00	Complies
2452	14.35	0.0272	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 4					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	13.52	0.0225	30.00	1.00	Complies
2437	17.33	0.0541	30.00	1.00	Complies
2452	14.46	0.0279	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	19.47	0.0884	30.00	1.00	Complies
2437	23.37	0.2173	30.00	1.00	Complies
2452	20.48	0.1117	30.00	1.00	Complies

For 2T2R-with Beamforming

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.44	0.0698	30.00	1.00	Complies
2437	18.36	0.0685	30.00	1.00	Complies
2462	18.41	0.0693	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.49	0.0706	30.00	1.00	Complies
2437	18.53	0.0713	30.00	1.00	Complies
2462	18.52	0.0711	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.48	0.1405	30.00	1.00	Complies
2437	21.46	0.1398	30.00	1.00	Complies
2462	21.48	0.1405	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.34	0.0542	30.00	1.00	Complies
2437	17.46	0.0557	30.00	1.00	Complies
2452	17.4	0.0550	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.64	0.0581	30.00	1.00	Complies
2437	17.56	0.0570	30.00	1.00	Complies
2452	17.49	0.0561	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	20.50	0.1123	30.00	1.00	Complies
2437	20.52	0.1127	30.00	1.00	Complies
2452	20.46	0.1111	30.00	1.00	Complies

For 3T3R-with Beamforming

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.59	0.0723	30.00	1.00	Complies
2437	18.68	0.0738	30.00	1.00	Complies
2462	18.62	0.0728	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.63	0.0729	30.00	1.00	Complies
2437	18.56	0.0718	30.00	1.00	Complies
2462	18.6	0.0724	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.51	0.0710	30.00	1.00	Complies
2437	18.67	0.0736	30.00	1.00	Complies
2462	18.59	0.0723	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.35	0.2162	30.00	1.00	Complies
2437	23.41	0.2192	30.00	1.00	Complies
2462	23.37	0.2175	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.54	0.0568	30.00	1.00	Complies
2437	17.51	0.0564	30.00	1.00	Complies
2452	17.49	0.0561	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.48	0.0560	30.00	1.00	Complies
2437	17.62	0.0578	30.00	1.00	Complies
2452	17.53	0.0566	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.46	0.0557	30.00	1.00	Complies
2437	17.53	0.0566	30.00	1.00	Complies
2452	17.64	0.0581	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	22.26	0.1684	30.00	1.00	Complies
2437	22.32	0.1708	30.00	1.00	Complies
2452	22.33	0.1708	30.00	1.00	Complies

For 4T4R-with Beamforming

Test Mode :TX N20 Mode_CH01/06/11_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.46	0.0701	30.00	1.00	Complies
2437	18.44	0.0698	30.00	1.00	Complies
2462	18.52	0.0711	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.43	0.0697	30.00	1.00	Complies
2437	18.36	0.0685	30.00	1.00	Complies
2462	18.32	0.0679	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.29	0.0675	30.00	1.00	Complies
2437	18.28	0.0673	30.00	1.00	Complies
2462	18.33	0.0681	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 4					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.52	0.0711	30.00	1.00	Complies
2437	18.47	0.0703	30.00	1.00	Complies
2462	18.62	0.0728	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.45	0.2784	30.00	1.00	Complies
2437	24.41	0.2760	30.00	1.00	Complies
2462	24.47	0.2799	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.49	0.0561	30.00	1.00	Complies
2437	17.40	0.0550	30.00	1.00	Complies
2452	17.53	0.0566	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.42	0.0552	30.00	1.00	Complies
2437	17.49	0.0561	30.00	1.00	Complies
2452	17.58	0.0573	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 3					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.54	0.0568	30.00	1.00	Complies
2437	17.29	0.0536	30.00	1.00	Complies
2452	17.24	0.0530	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 4					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	17.34	0.0542	30.00	1.00	Complies
2437	17.36	0.0545	30.00	1.00	Complies
2452	17.46	0.0557	30.00	1.00	Complies

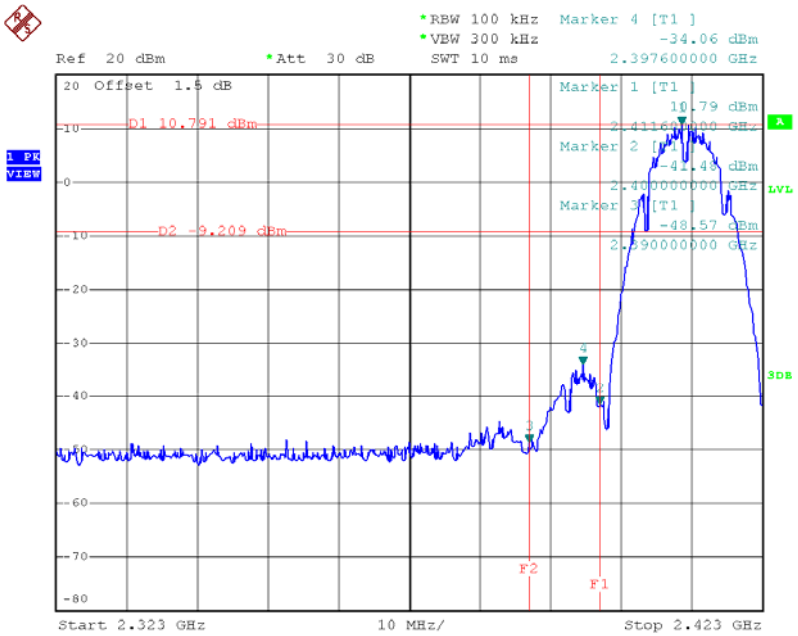
Test Mode :TX N40 Mode_CH03/06/09_Total					
Frequency (MHz)	Average Power (dBm)	Average Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.47	0.2223	30.00	1.00	Complies
2437	23.41	0.2191	30.00	1.00	Complies
2452	23.48	0.2226	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

For 1T1R

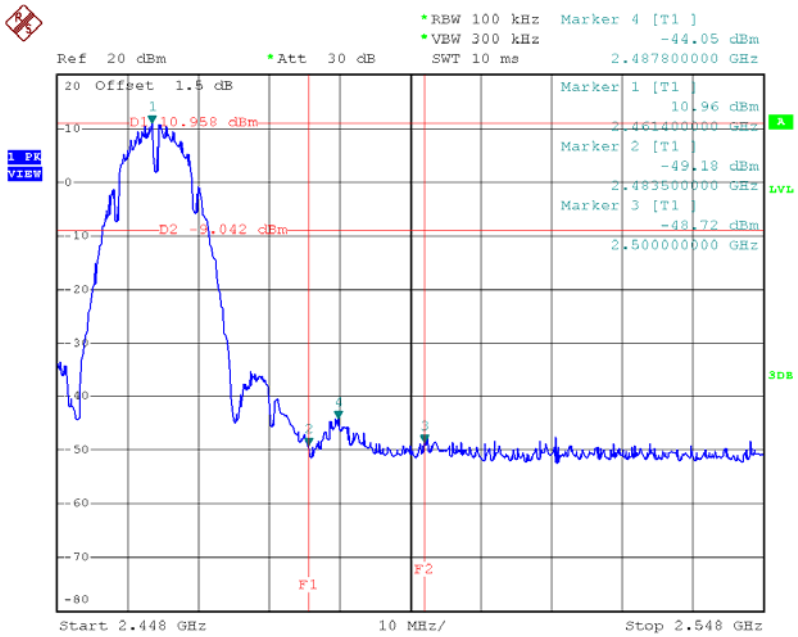
Test Mode :	TX B Mode

TX B mode CH01



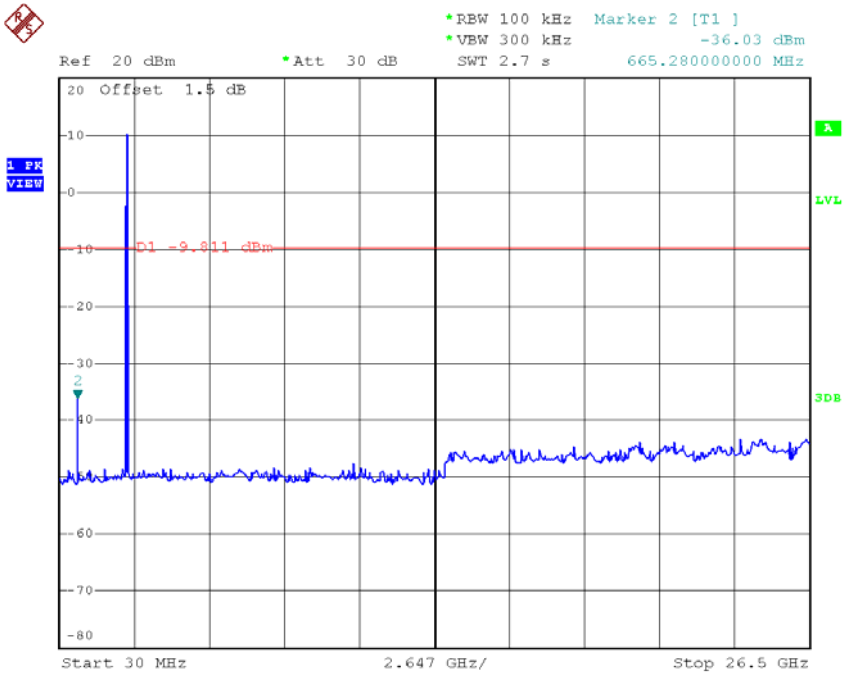
Date: 25.MAY.2016 21:19:52

TX B mode CH11



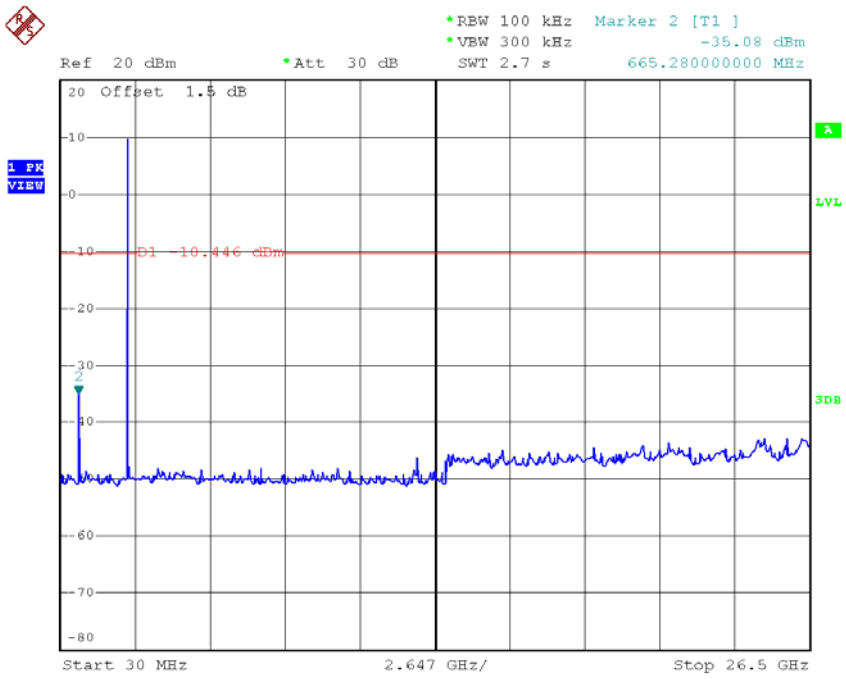
Date: 25.MAY.2016 21:27:52

TX B mode CH01 (10 Harmonic of the frequency)



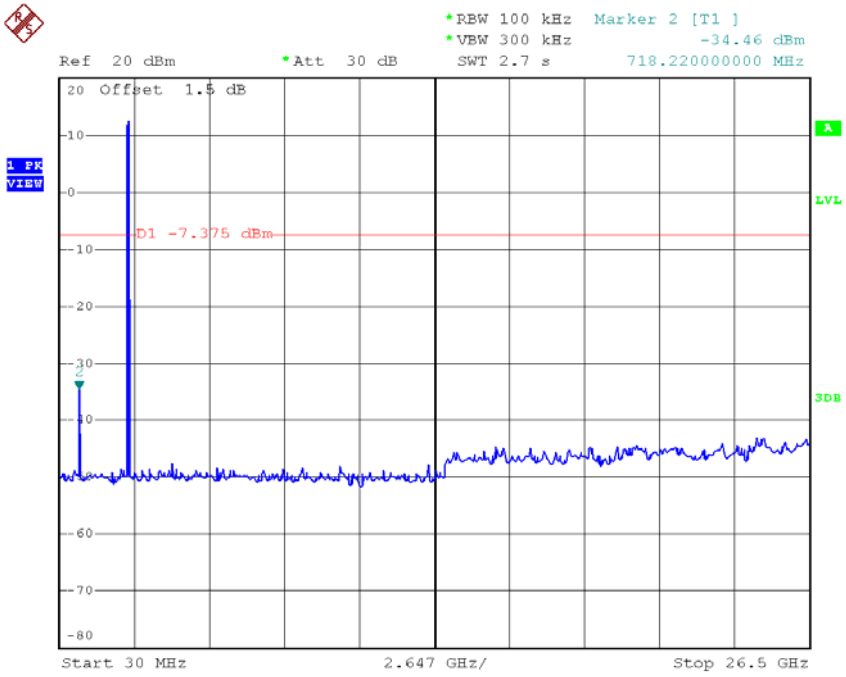
Date: 25.MAY.2016 21:19:45

TX B mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:23:42

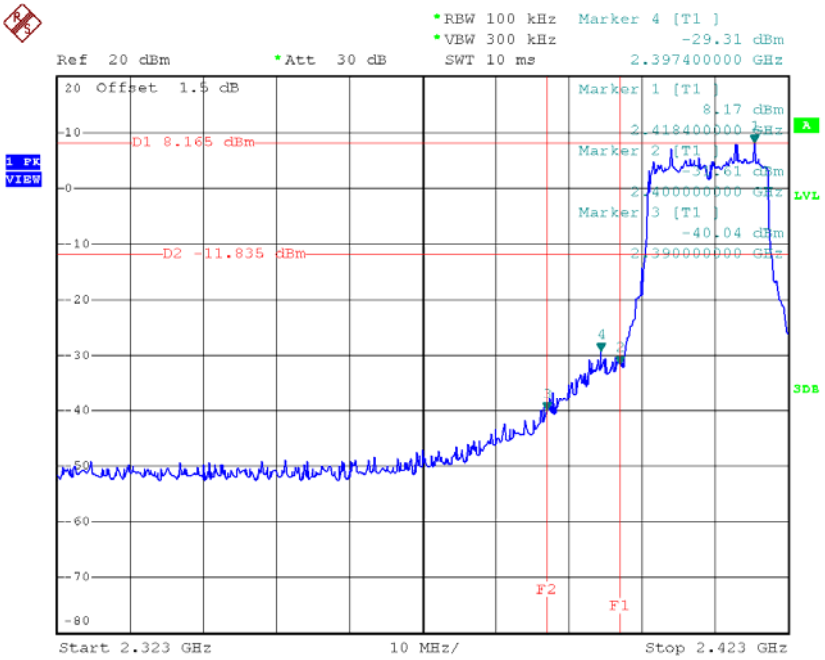
TX B mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:27:44

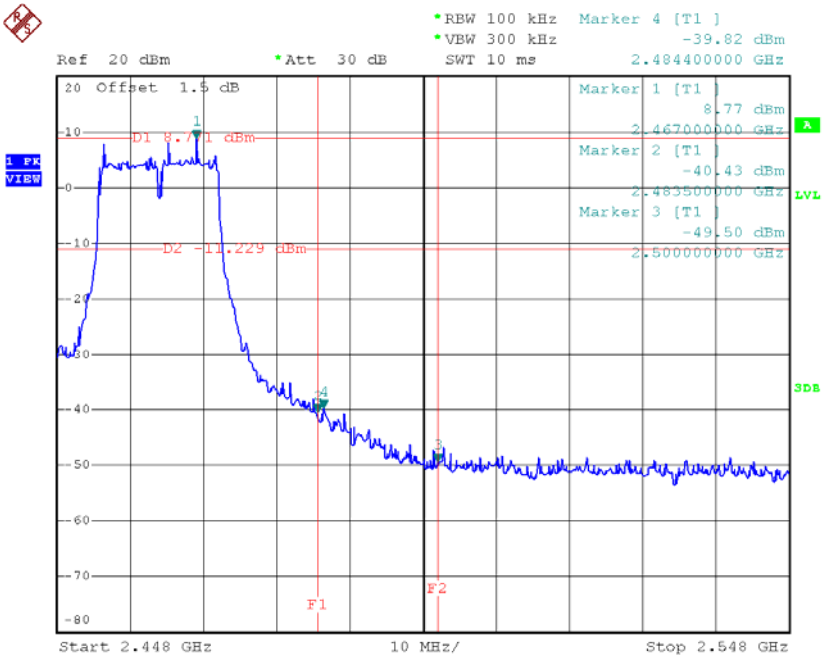
Test Mode :	TX G Mode

TX G mode CH01



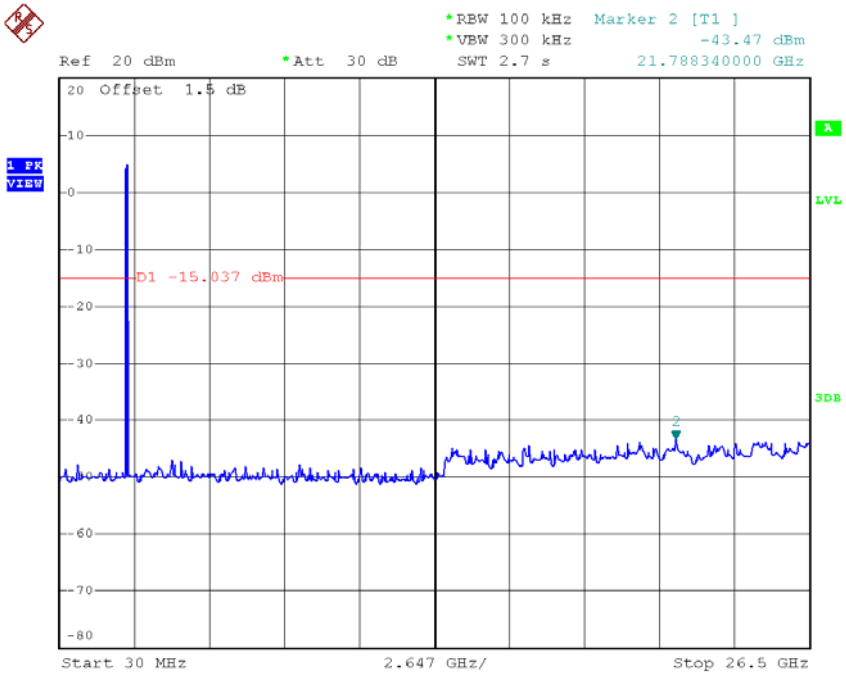
Date: 25.MAY.2016 21:30:52

TX G mode CH11



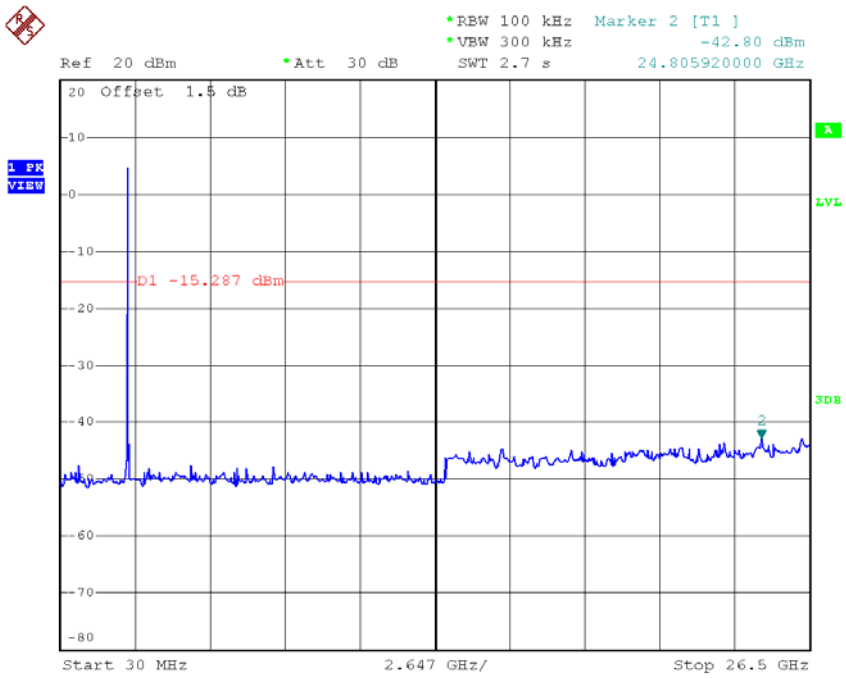
Date: 25.MAY.2016 21:32:59

TX G mode CH01 (10 Harmonic of the frequency)



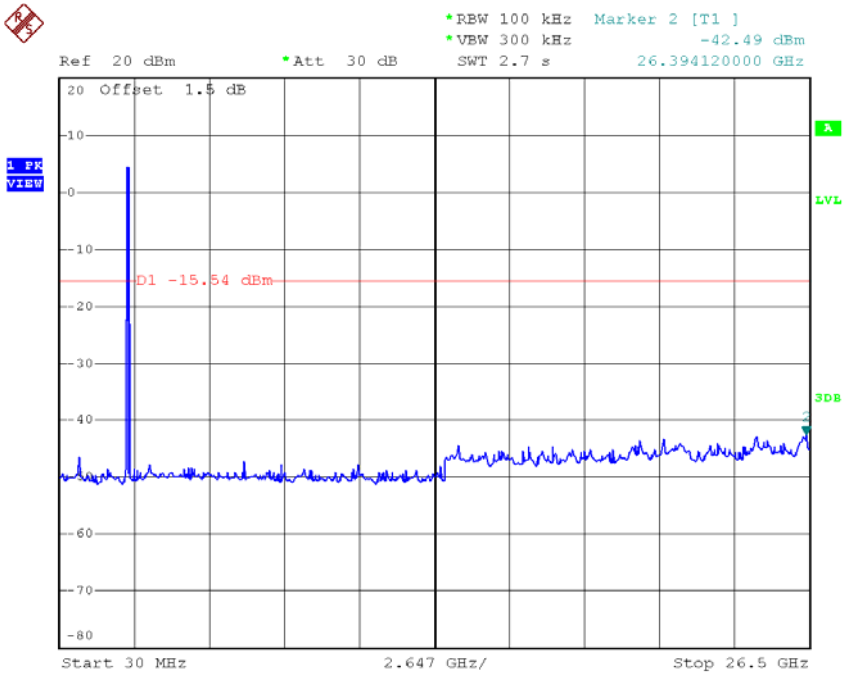
Date: 25.MAY.2016 21:30:44

TX G mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:32:05

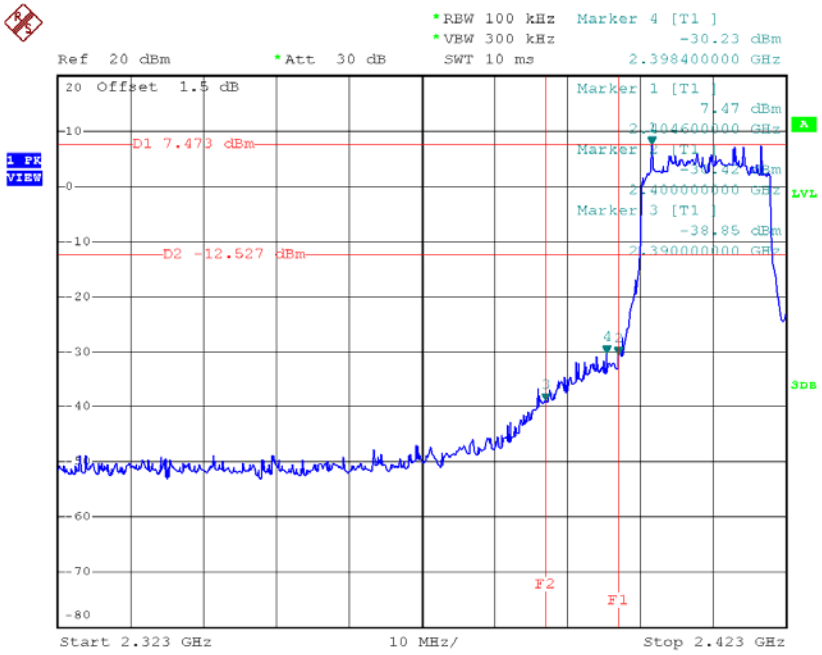
TX G mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:32:52

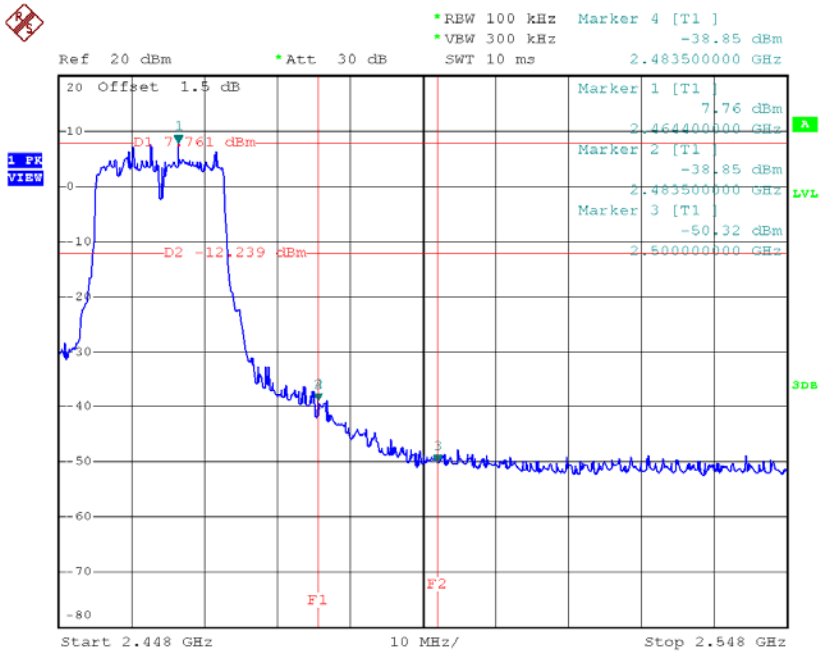
Test Mode :	TX N-20M Mode

TX HT20 mode CH01



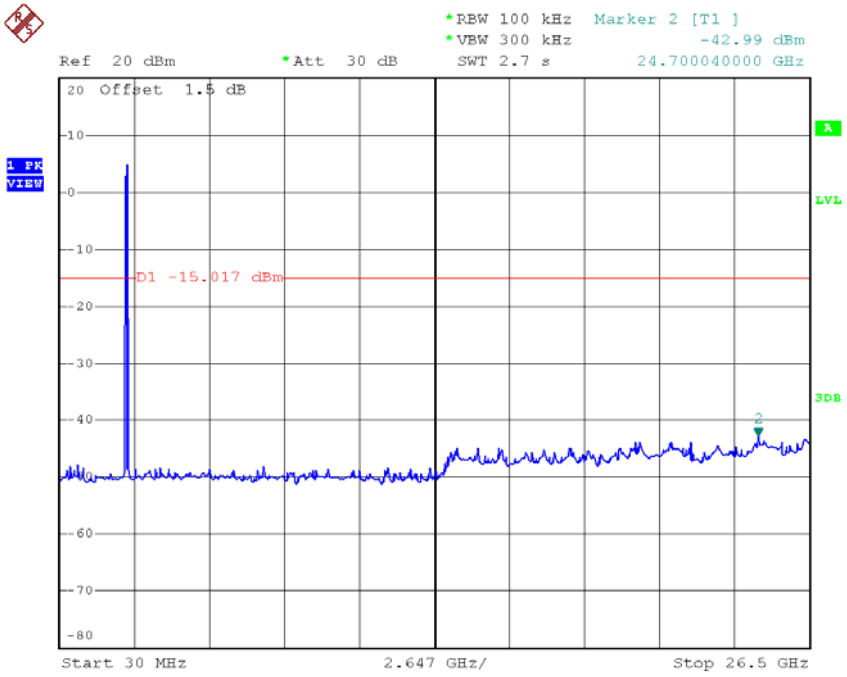
Date: 25.MAY.2016 21:36:46

TX HT20 mode CH11



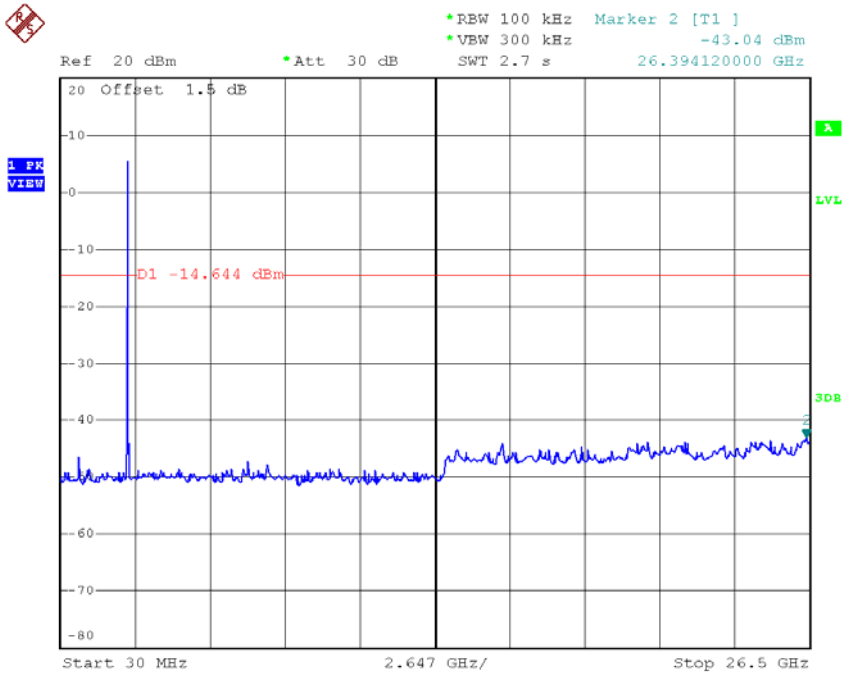
Date: 25.MAY.2016 21:38:46

TX HT20 mode CH01 (10 Harmonic of the frequency)



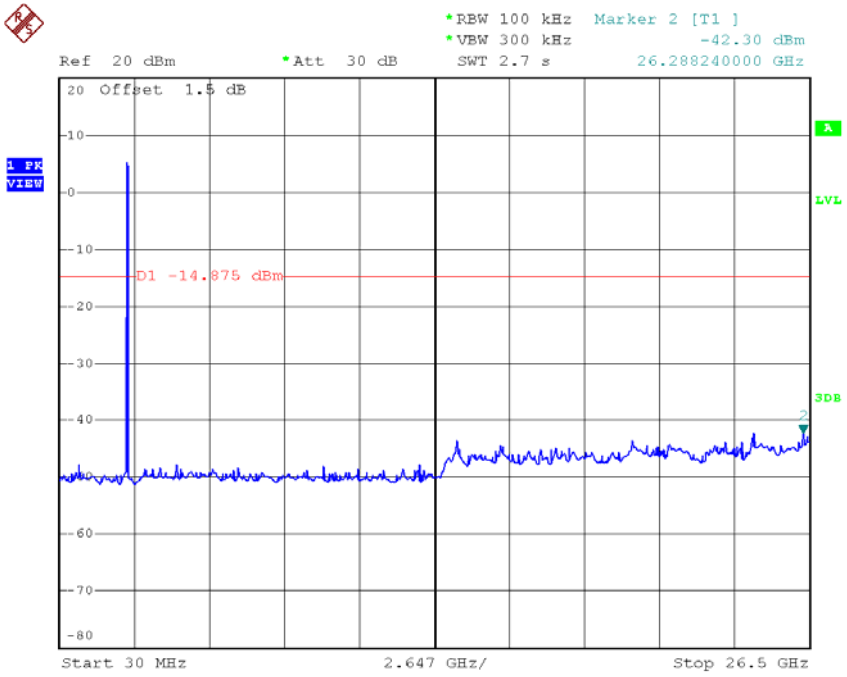
Date: 25.MAY.2016 21:36:38

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:37:45

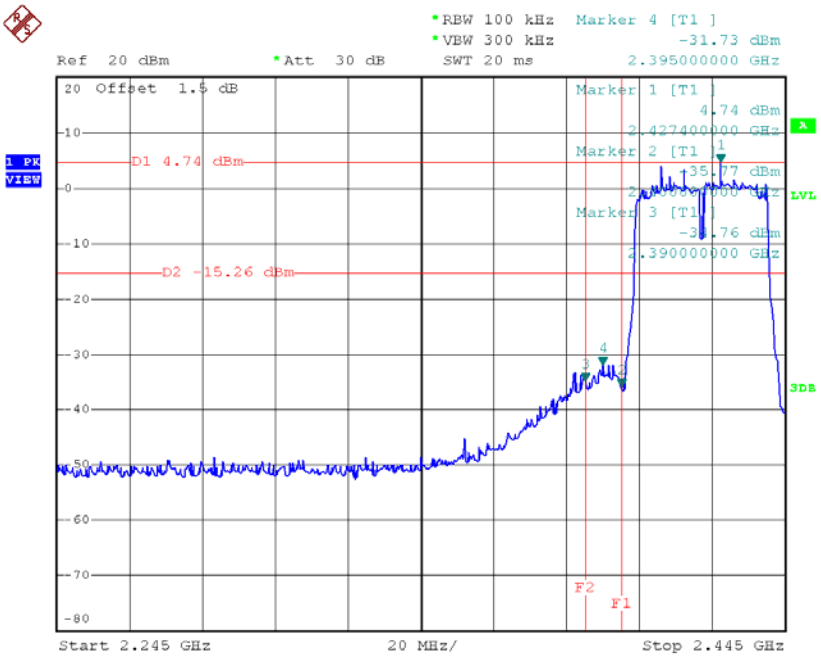
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:38:38

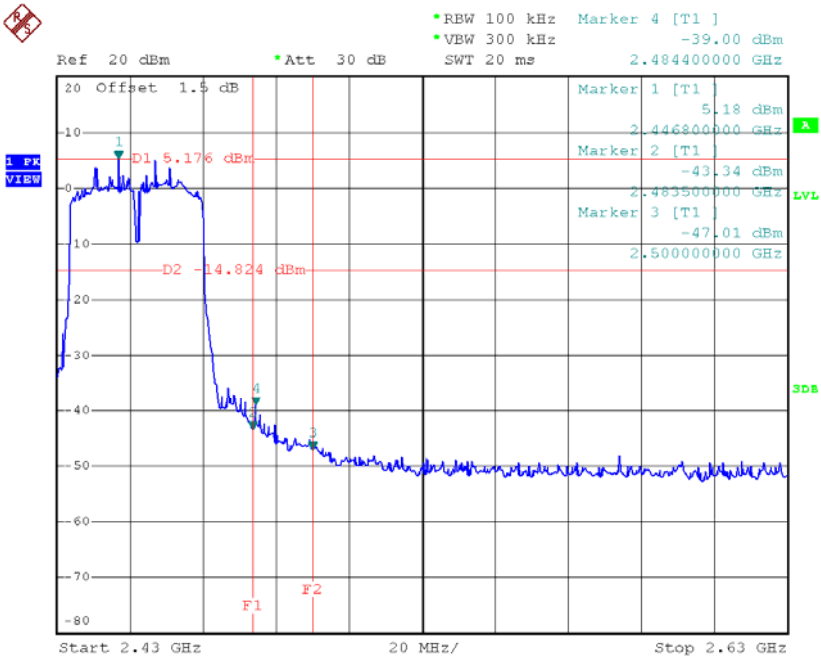
Test Mode :	TX N-40M Mode

TX HT40 mode CH03



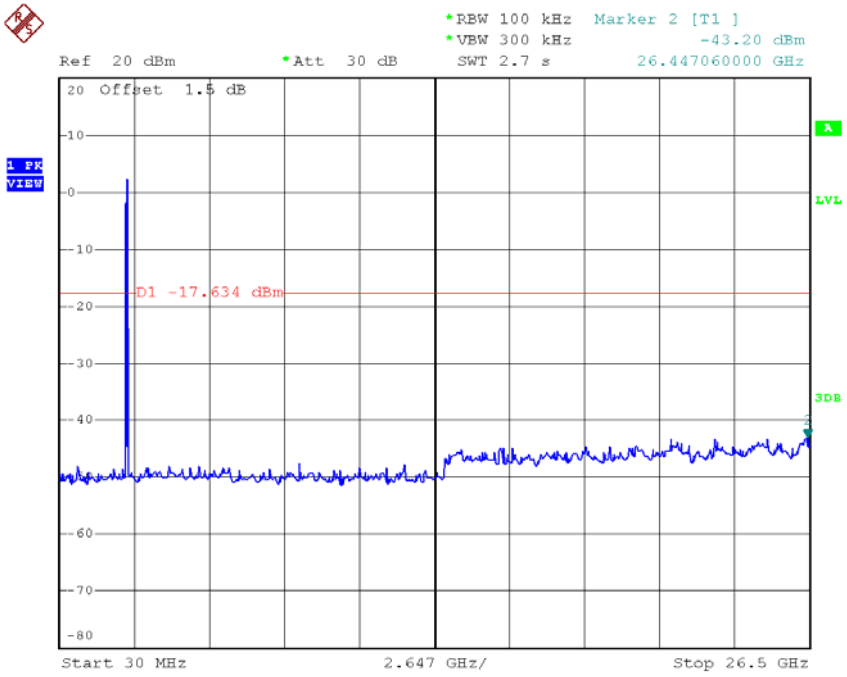
Date: 25.MAY.2016 21:40:19

TX HT40 mode CH09



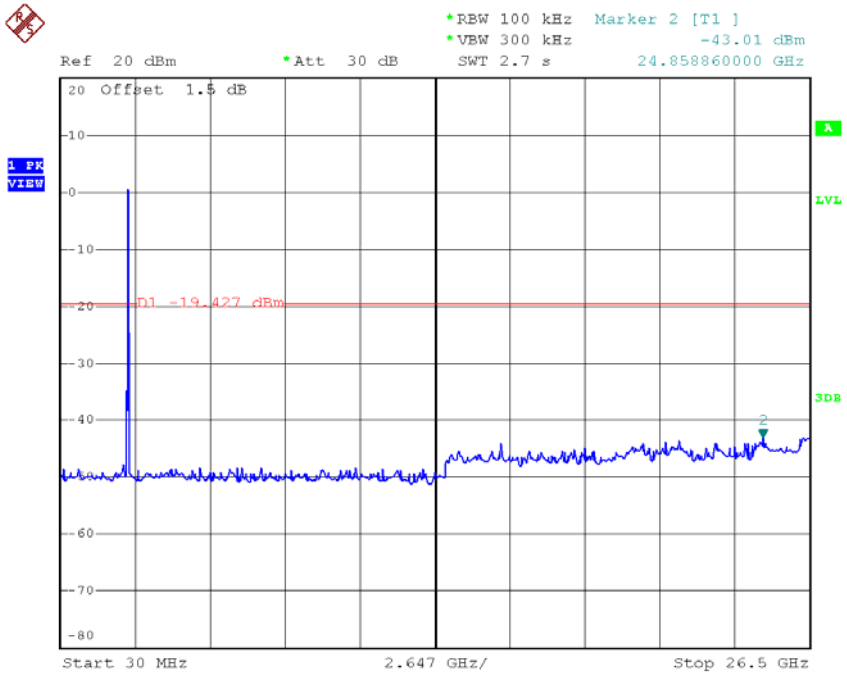
Date: 25.MAY.2016 21:46:00

TX HT40 mode CH03 (10 Harmonic of the frequency)



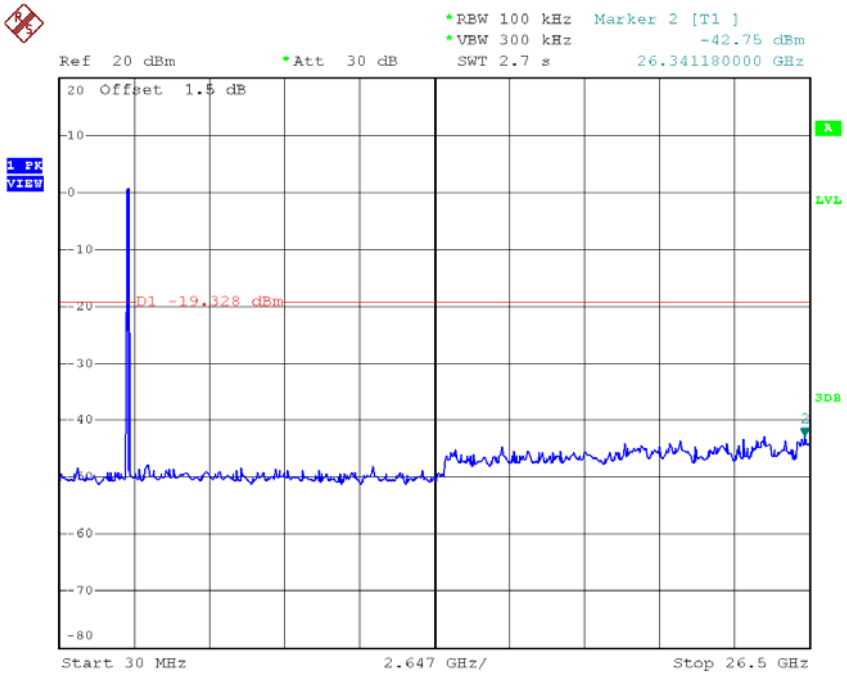
Date: 25.MAY.2016 21:40:11

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:44:55

TX HT40 mode CH09 (10 Harmonic of the frequency)

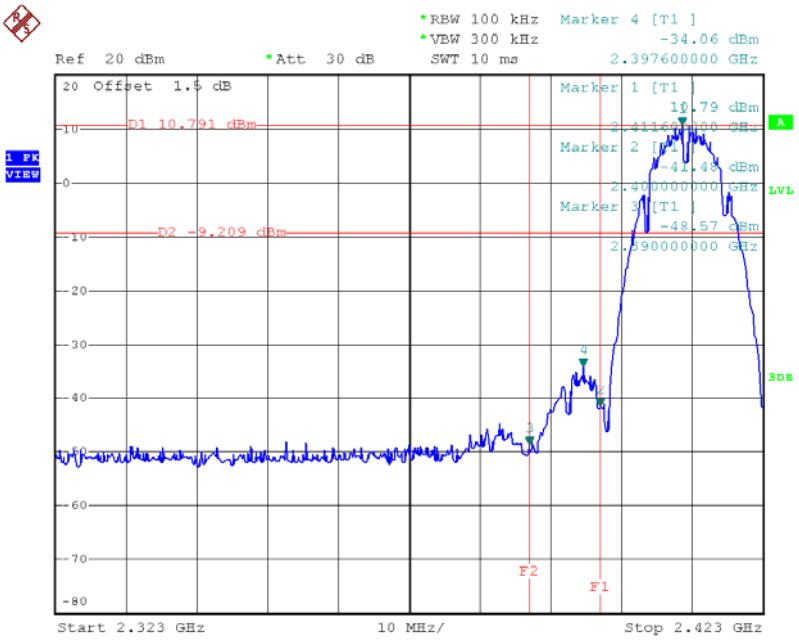


Date: 25.MAY.2016 21:45:52

For 2T2R

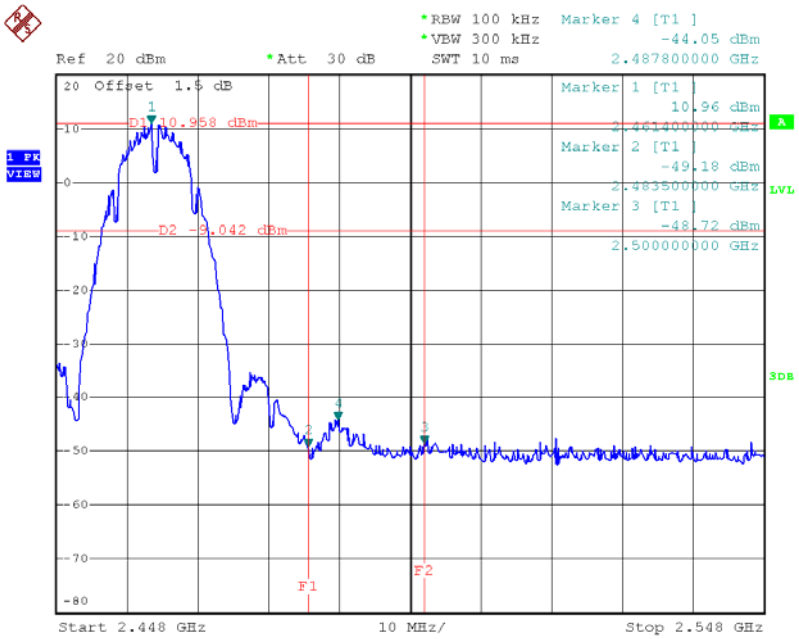
Test Mode :	TX B Mode_ANT 1

TX B mode CH01



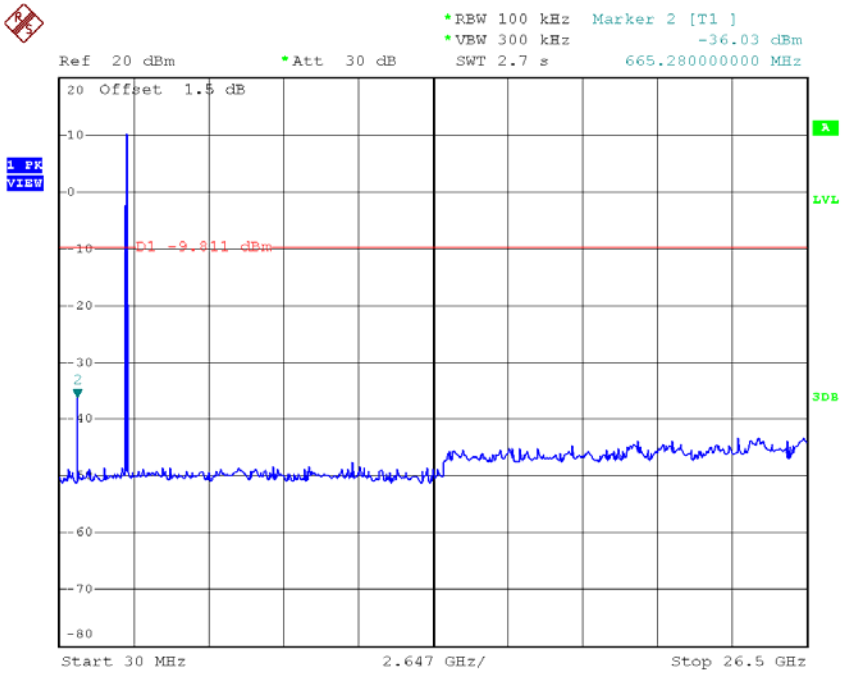
Date: 25.MAY.2016 21:19:52

TX B mode CH11



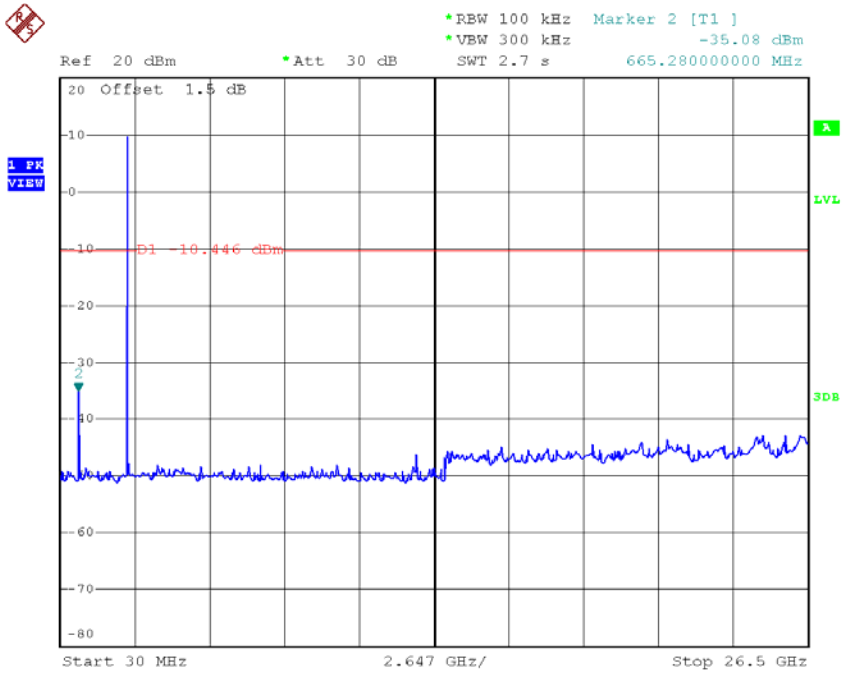
Date: 25.MAY.2016 21:27:52

TX B mode CH01 (10 Harmonic of the frequency)



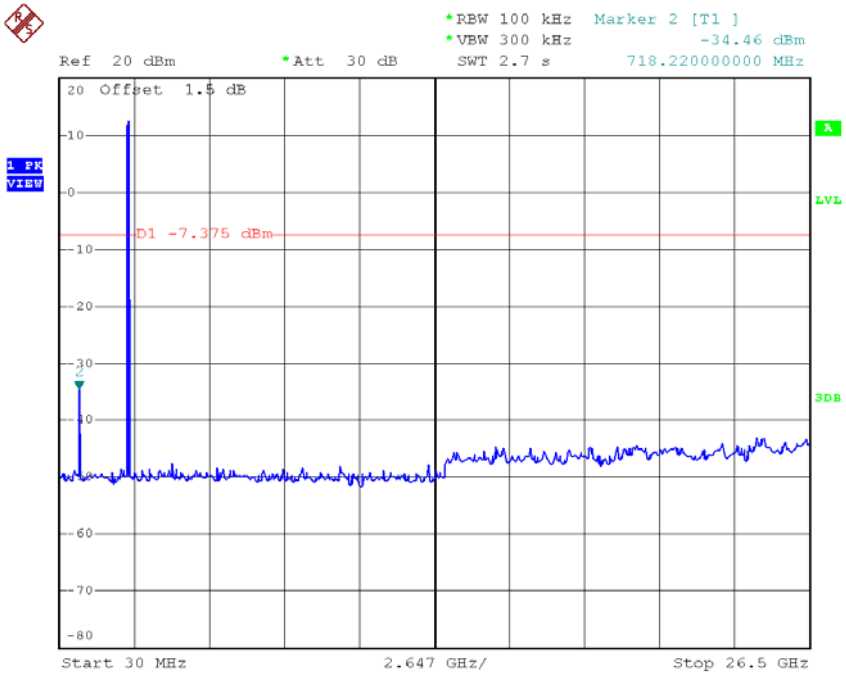
Date: 25.MAY.2016 21:19:45

TX B mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:23:42

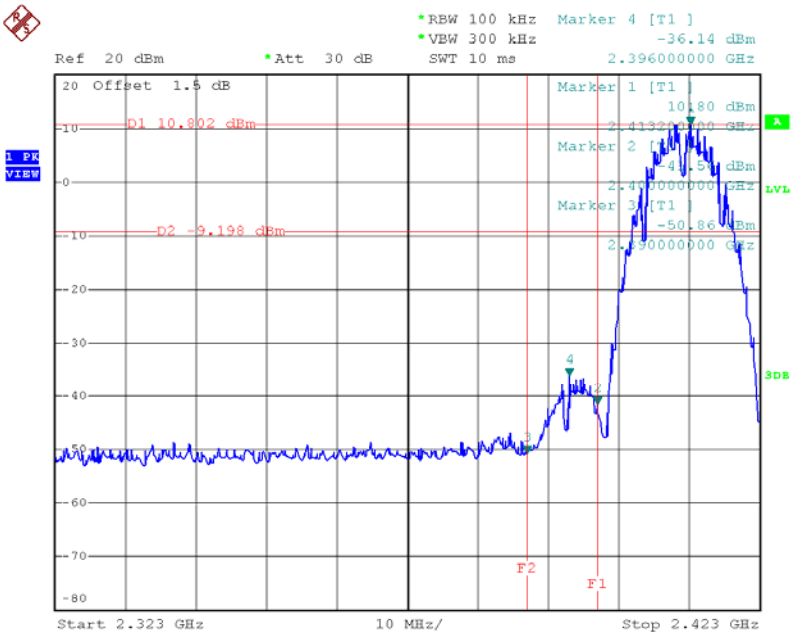
TX B mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:27:44

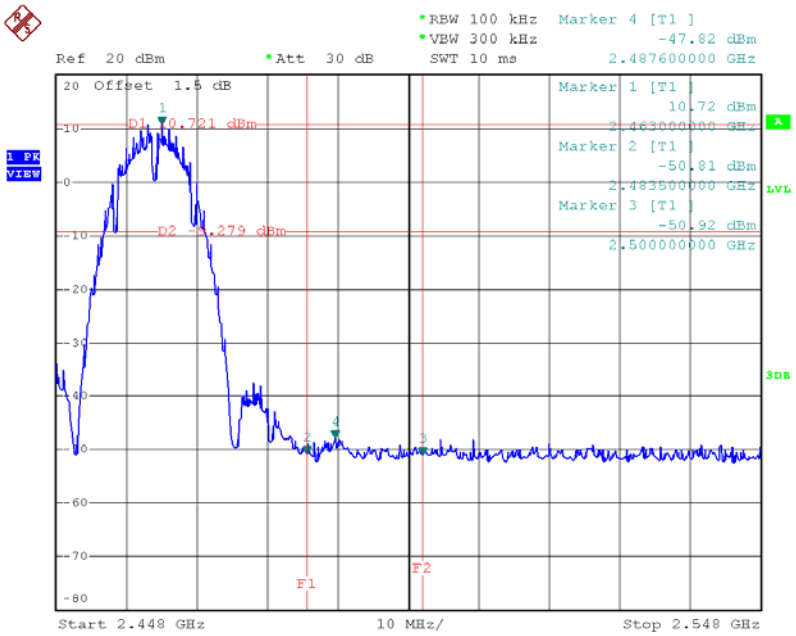
Test Mode :	TX B Mode_ANT 2

TX B mode CH01



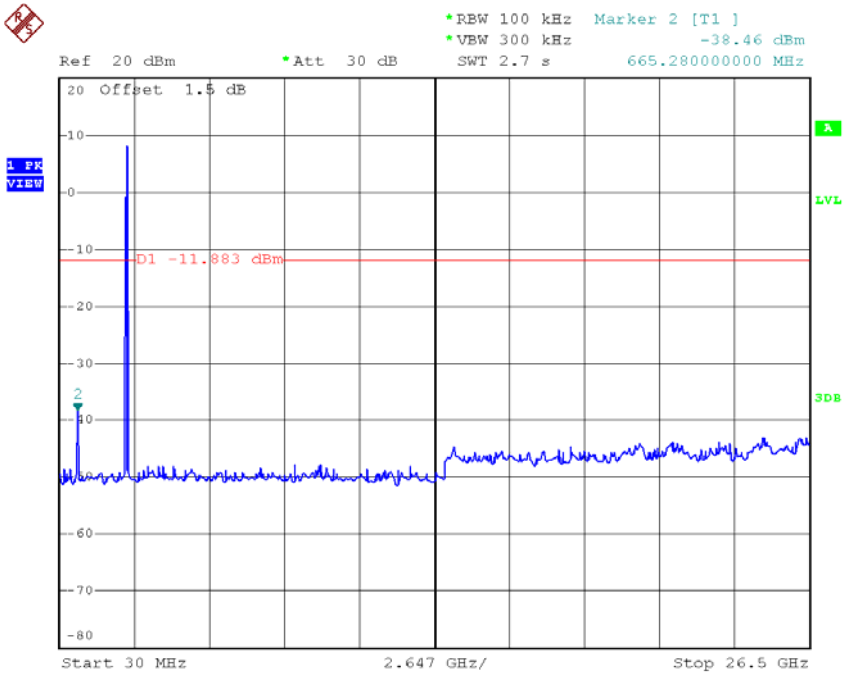
Date: 25.MAY.2016 21:48:46

TX B mode CH11



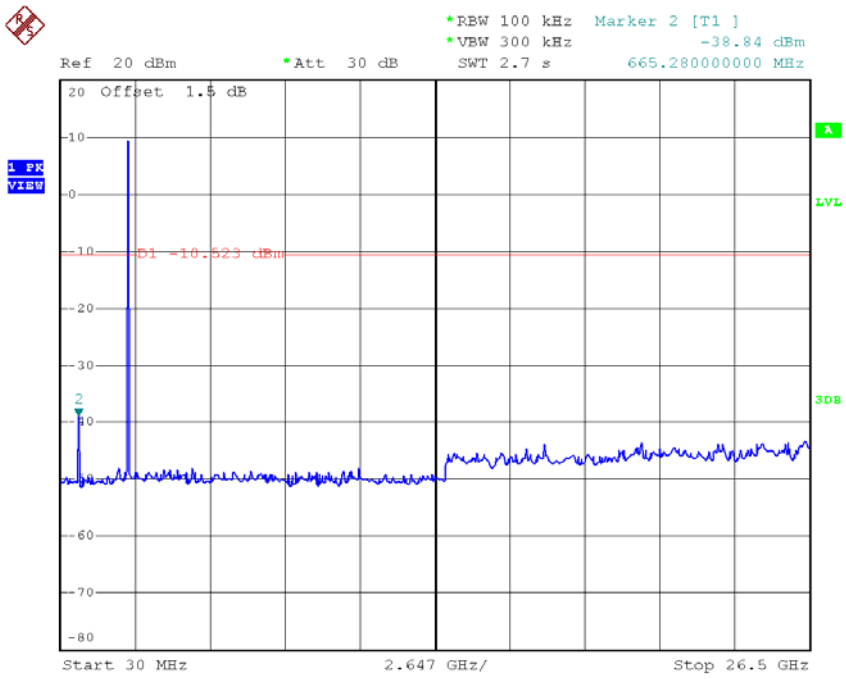
Date: 25.MAY.2016 21:52:38

TX B mode CH01 (10 Harmonic of the frequency)



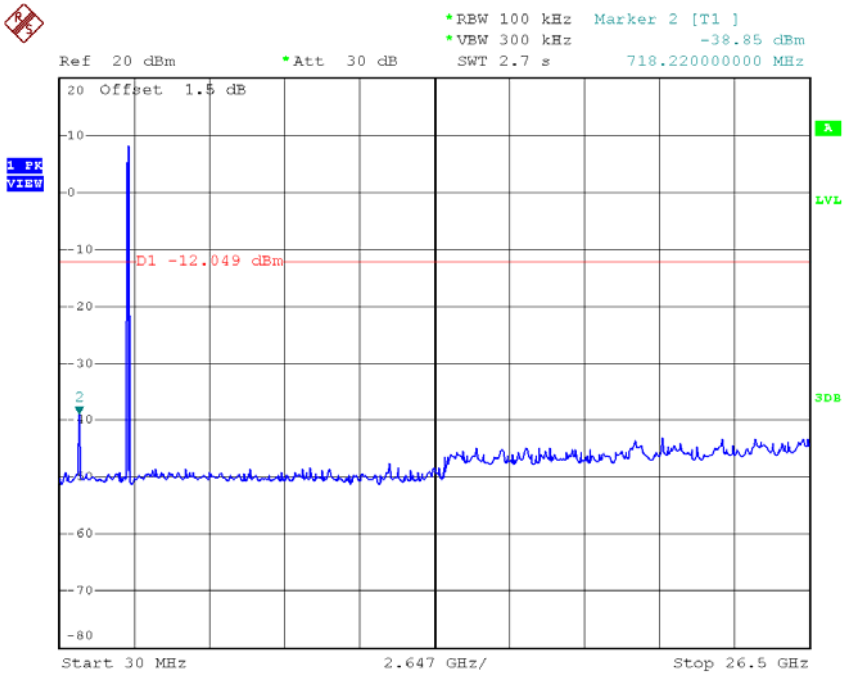
Date: 25.MAY.2016 21:48:39

TX B mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:49:55

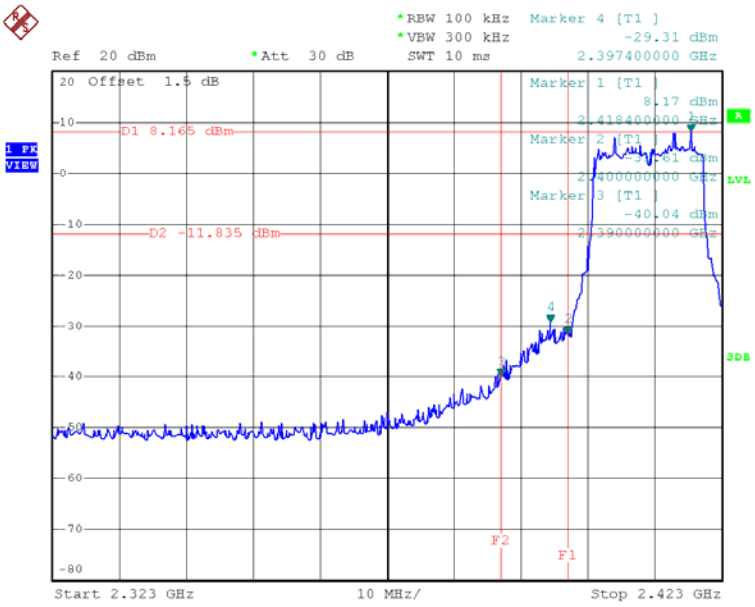
TX B mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:52:30

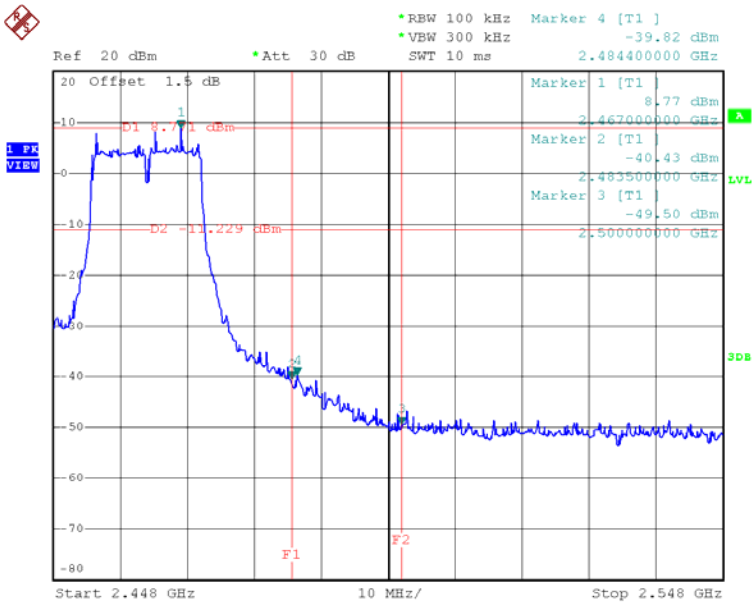
Test Mode :	TX G Mode_ANT 1

TX G mode CH01



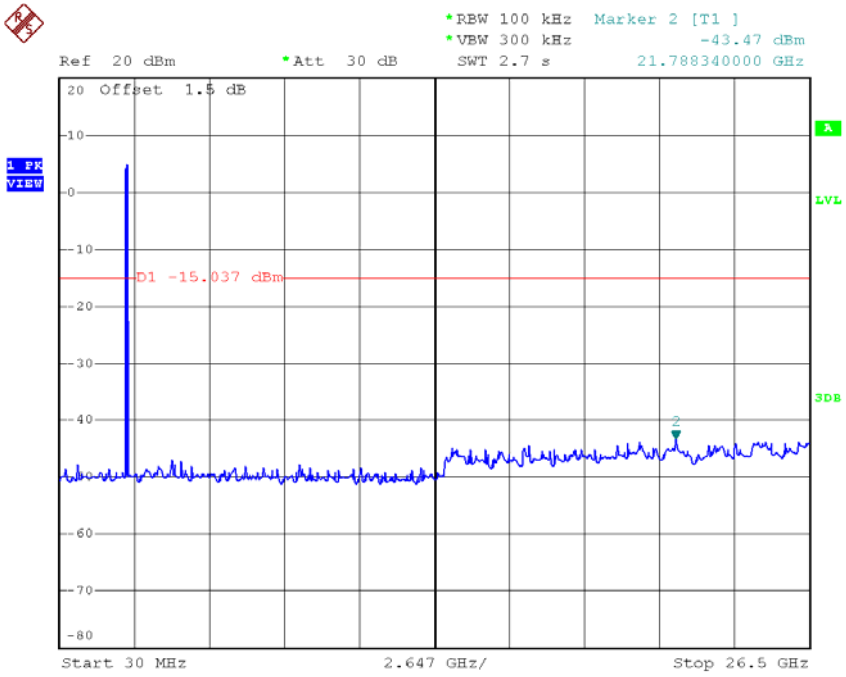
Date: 25.MAY.2016 21:30:52

TX G mode CH11



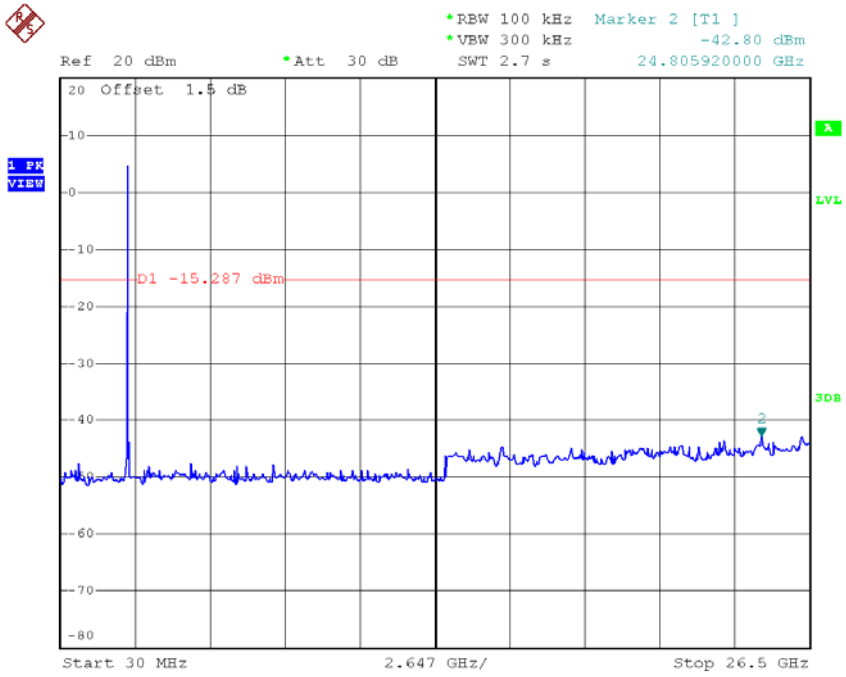
Date: 25.MAY.2016 21:32:59

TX G mode CH01 (10 Harmonic of the frequency)



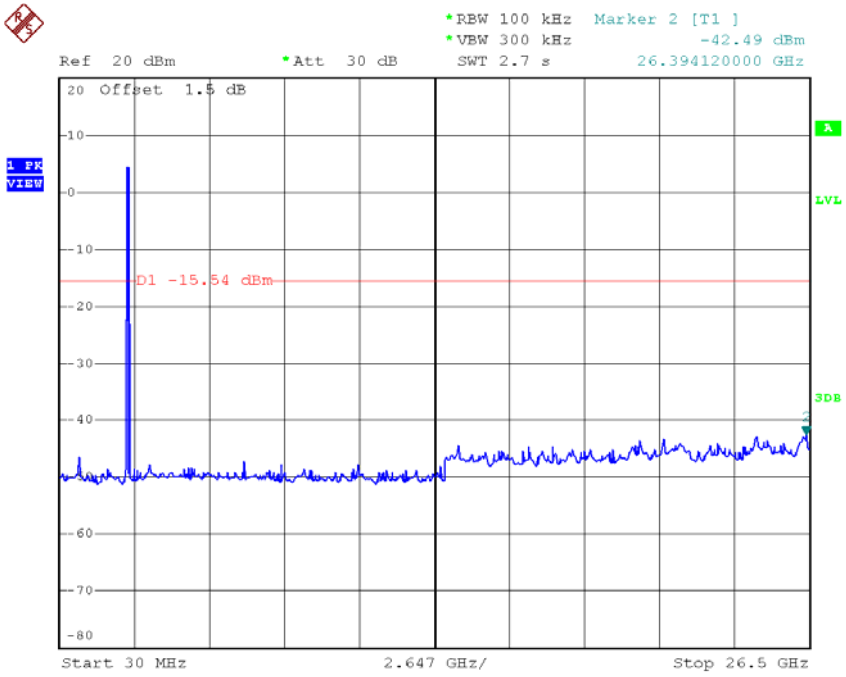
Date: 25.MAY.2016 21:30:44

TX G mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:32:05

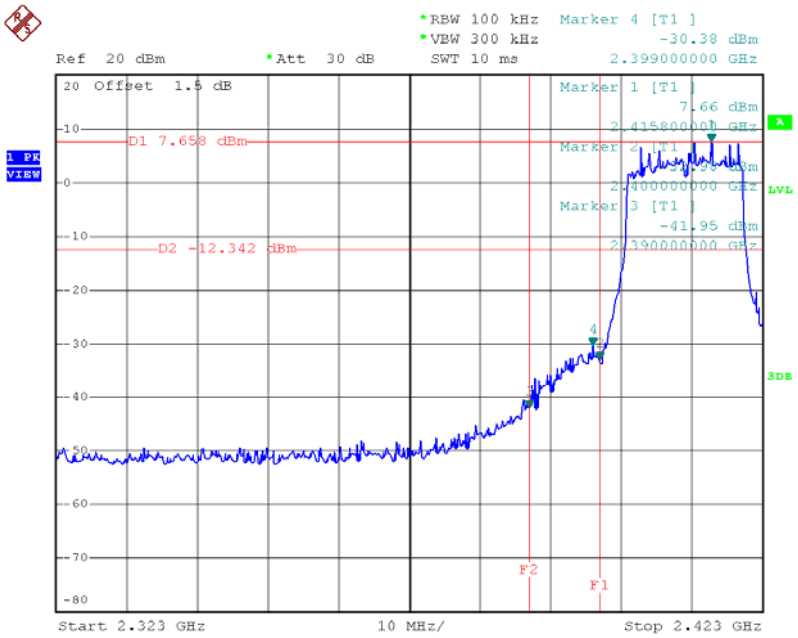
TX G mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:32:52

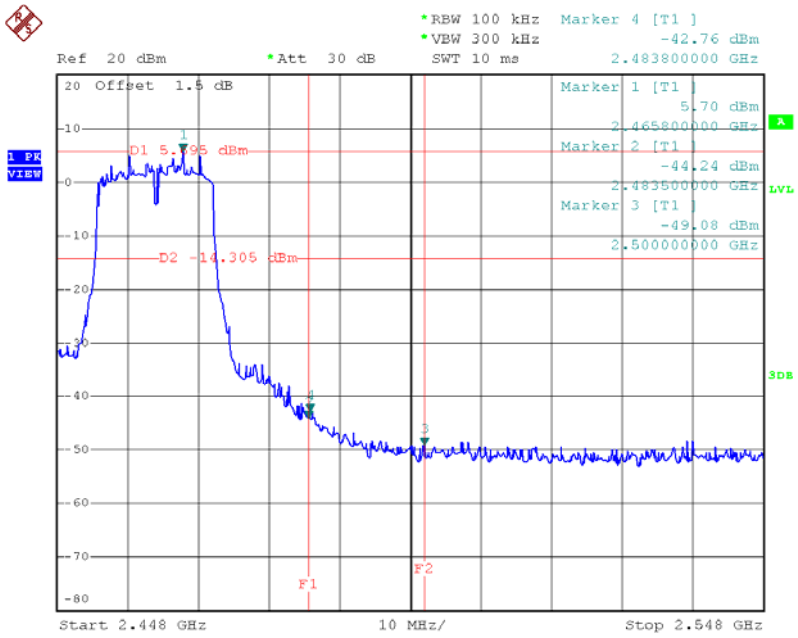
Test Mode :	TX G Mode_ANT 2

TX G mode CH01



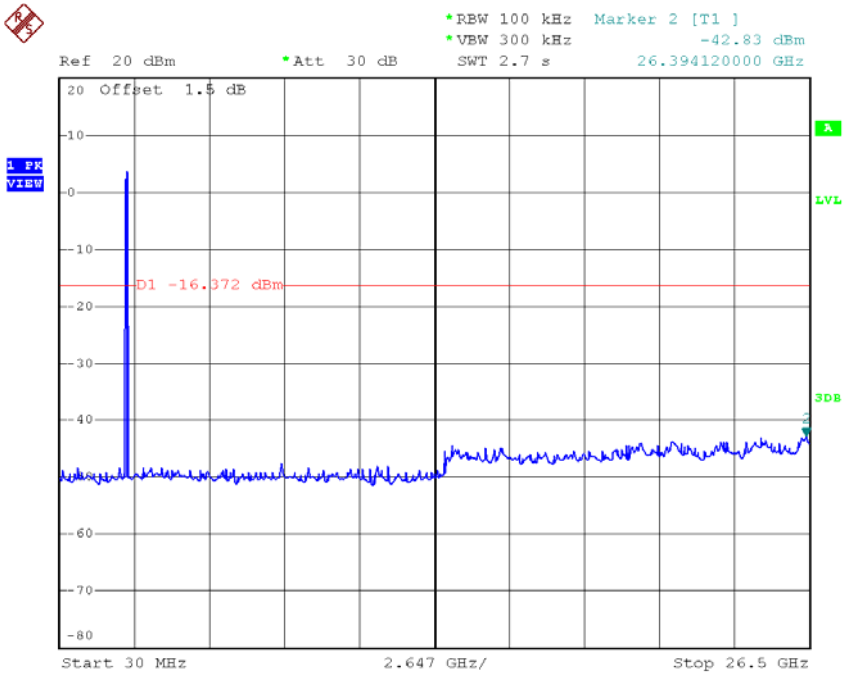
Date: 27.MAY.2016 19:38:35

TX G mode CH11



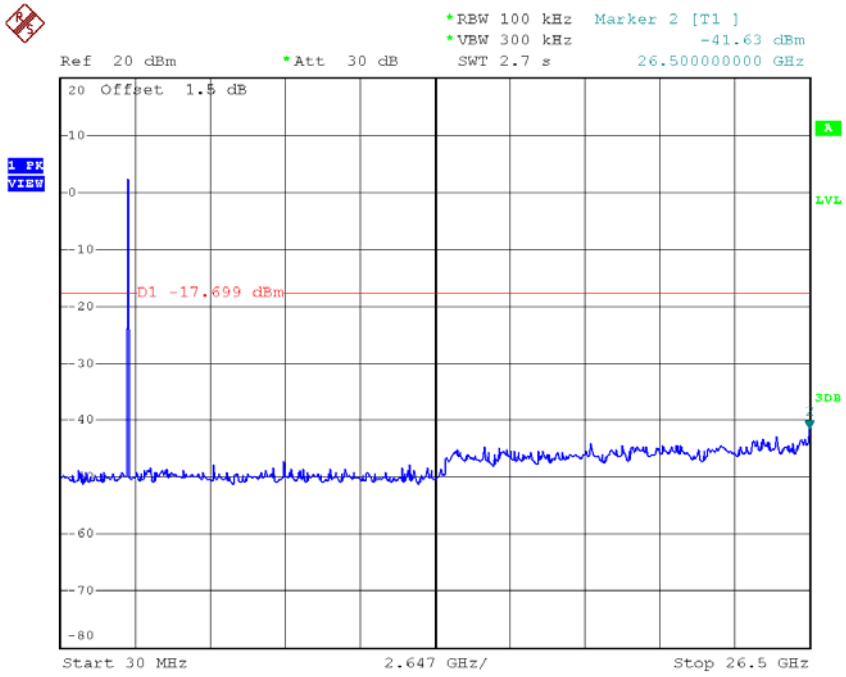
Date: 27.MAY.2016 19:40:48

TX G mode CH01 (10 Harmonic of the frequency)



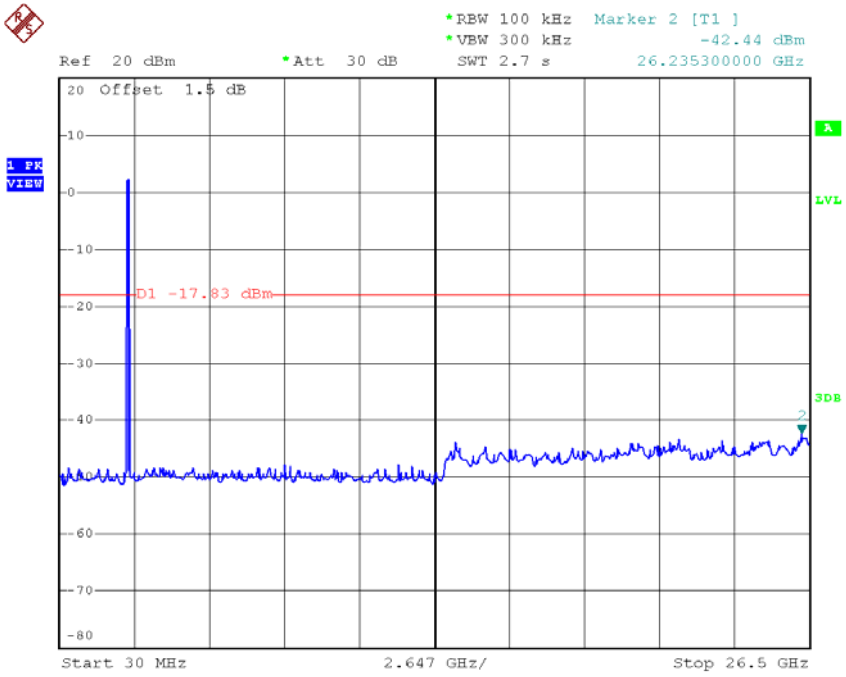
Date: 27.MAY.2016 19:38:27

TX G mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:39:51

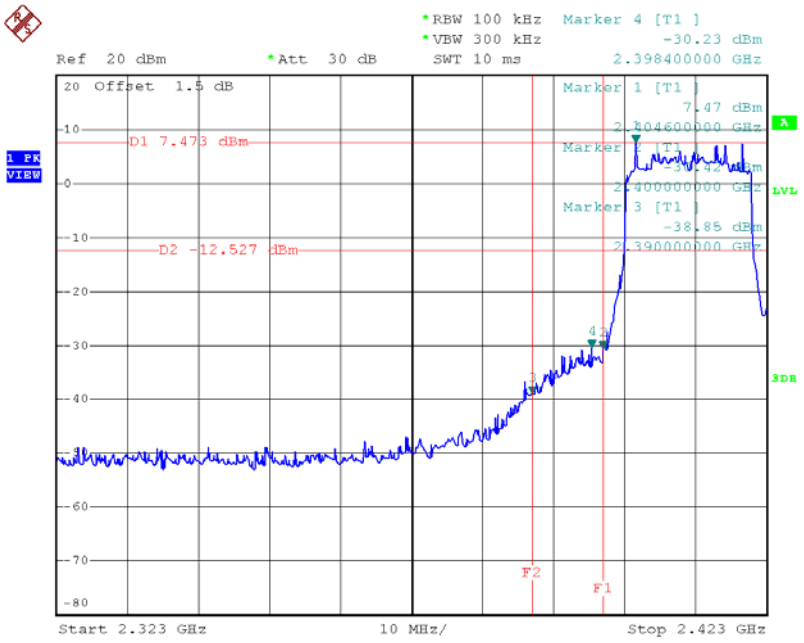
TX G mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:40:40

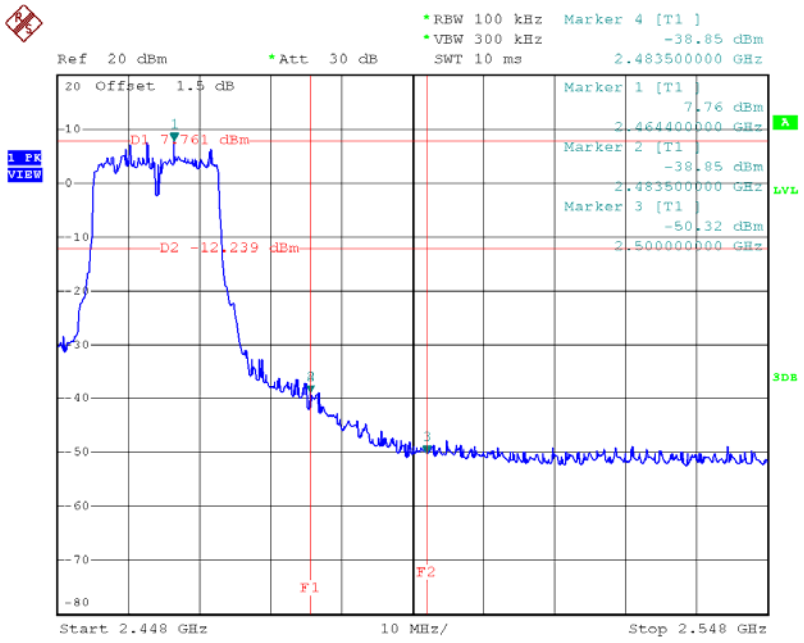
Test Mode :	TX N-20M Mode_ANT 1

TX HT20 mode CH01



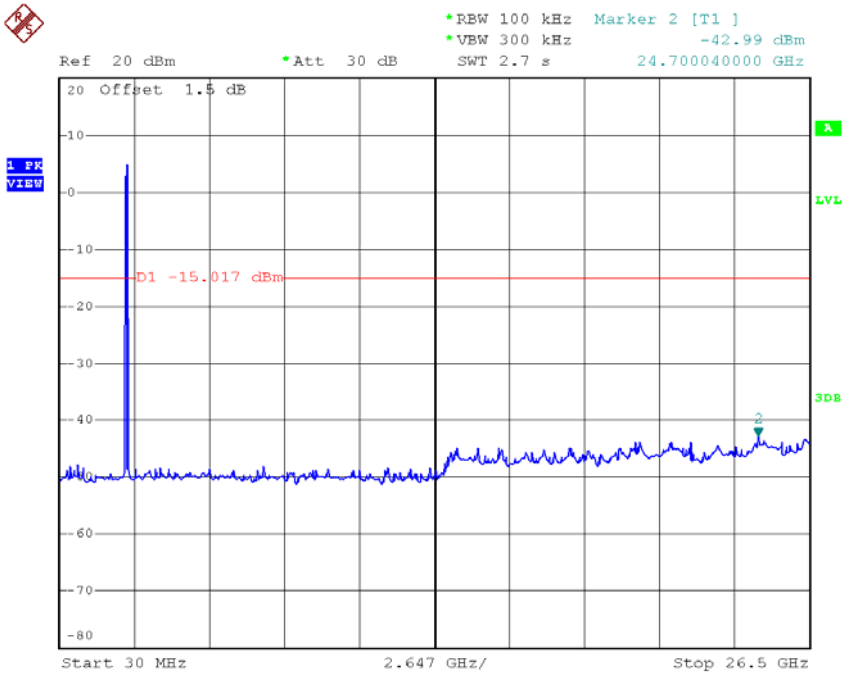
Date: 25.MAY.2016 21:36:46

TX HT20 mode CH11



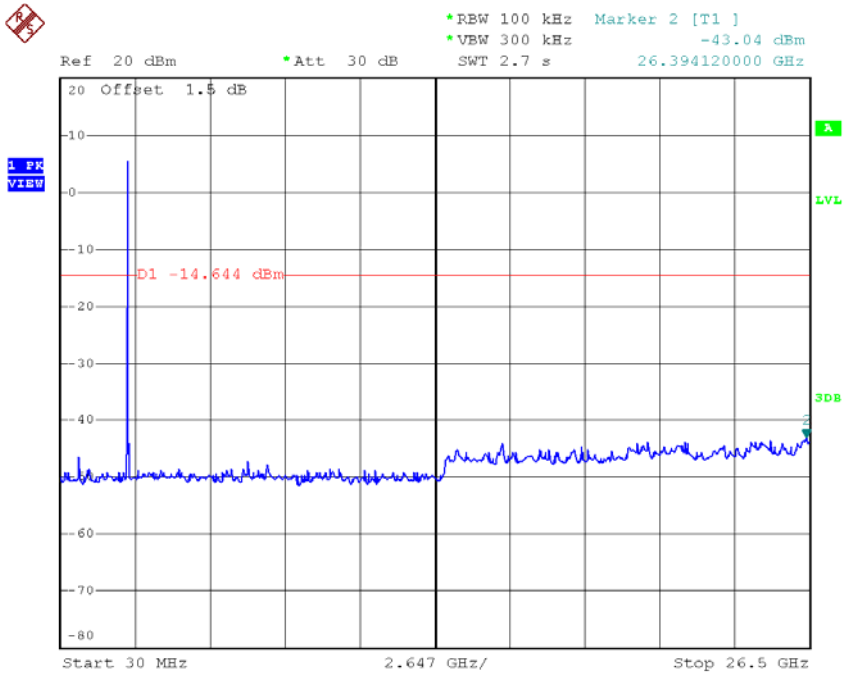
Date: 25.MAY.2016 21:38:46

TX HT20 mode CH01 (10 Harmonic of the frequency)



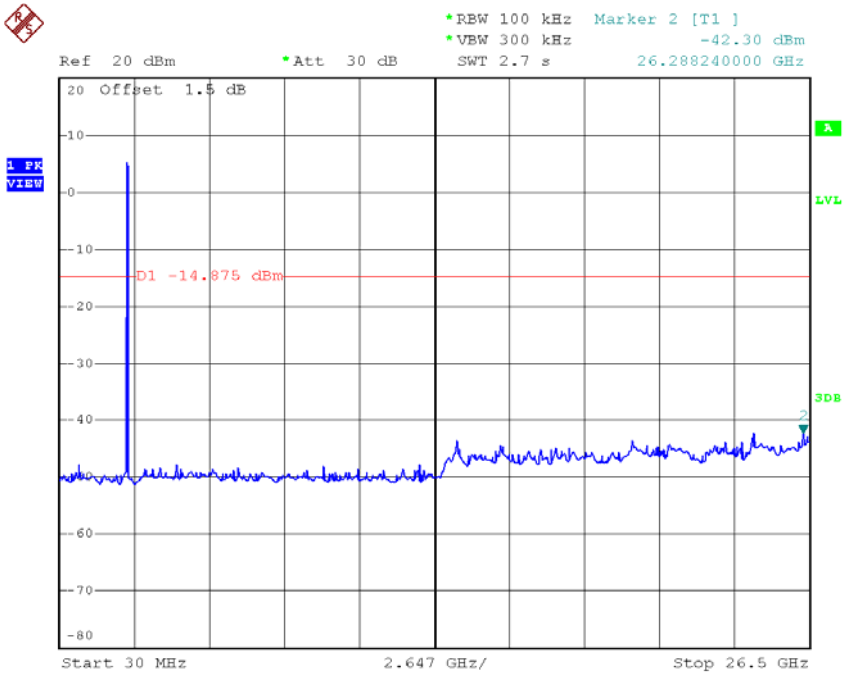
Date: 25.MAY.2016 21:36:38

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:37:45

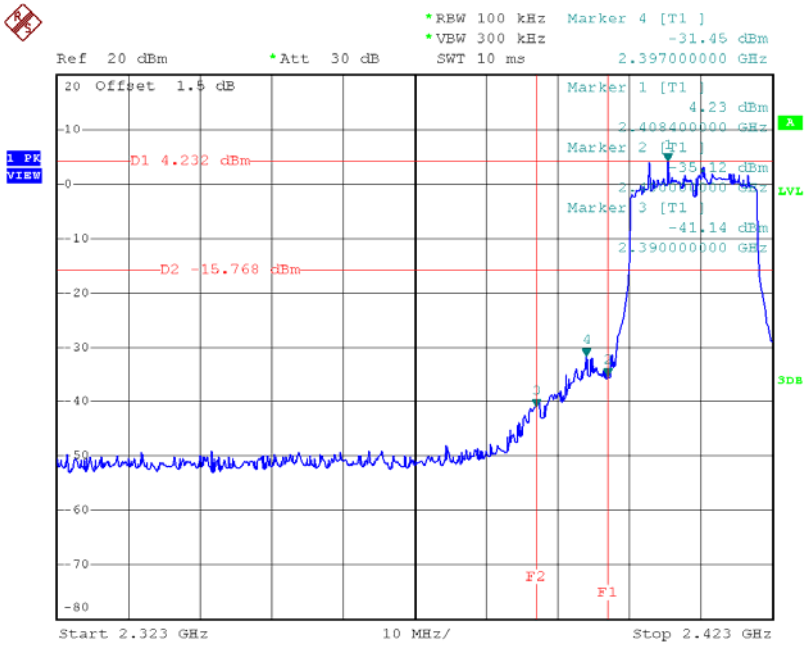
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:38:38

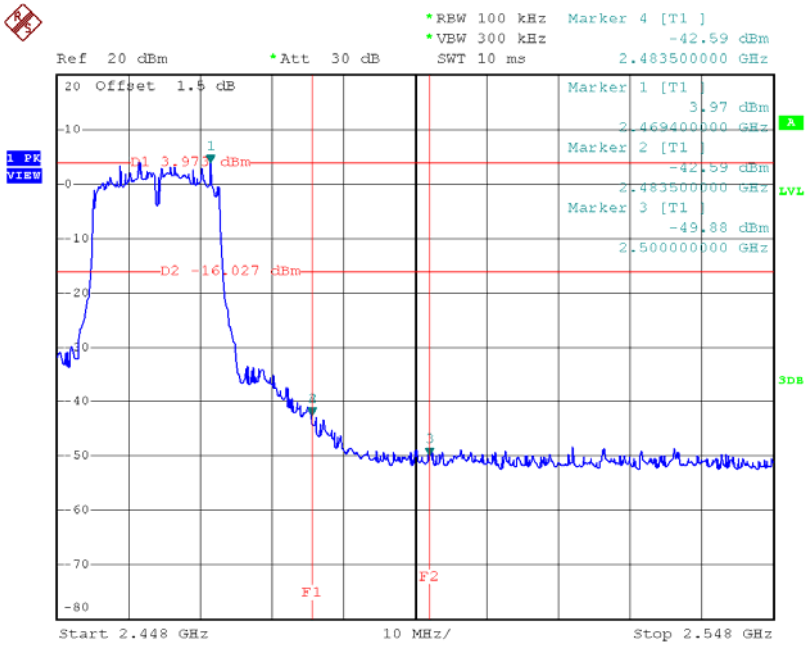
Test Mode :	TX N-20M Mode_ANT 2

TX HT20 mode CH01



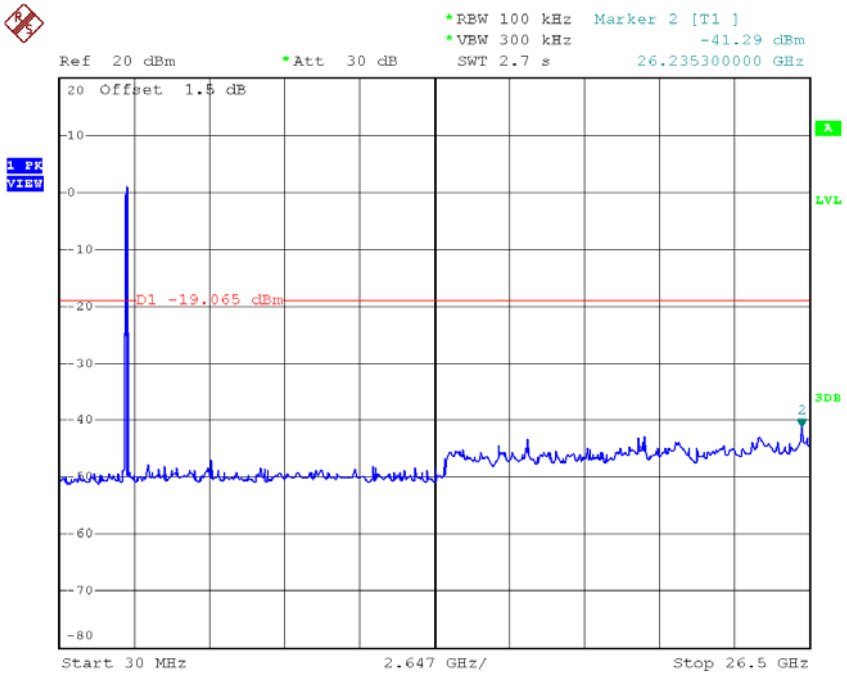
Date: 27.MAY.2016 19:43:15

TX HT20 mode CH11



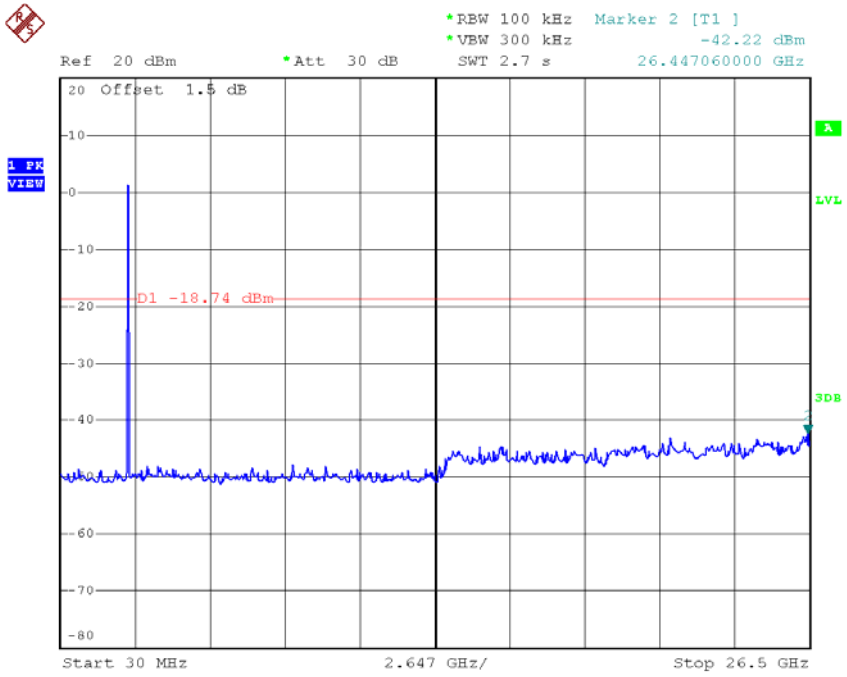
Date: 27.MAY.2016 19:45:37

TX HT20 mode CH01 (10 Harmonic of the frequency)



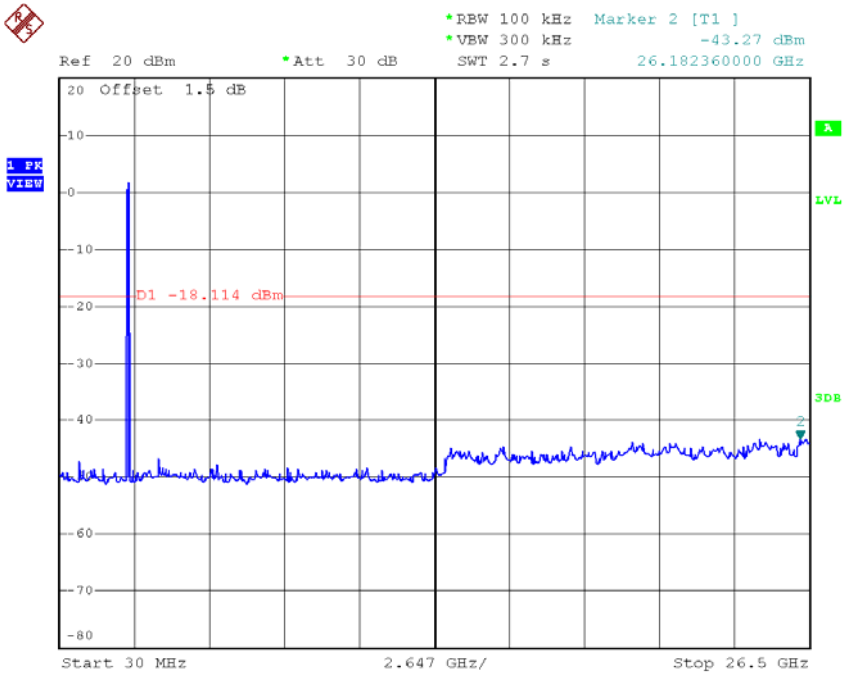
Date: 27.MAY.2016 19:43:08

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:44:30

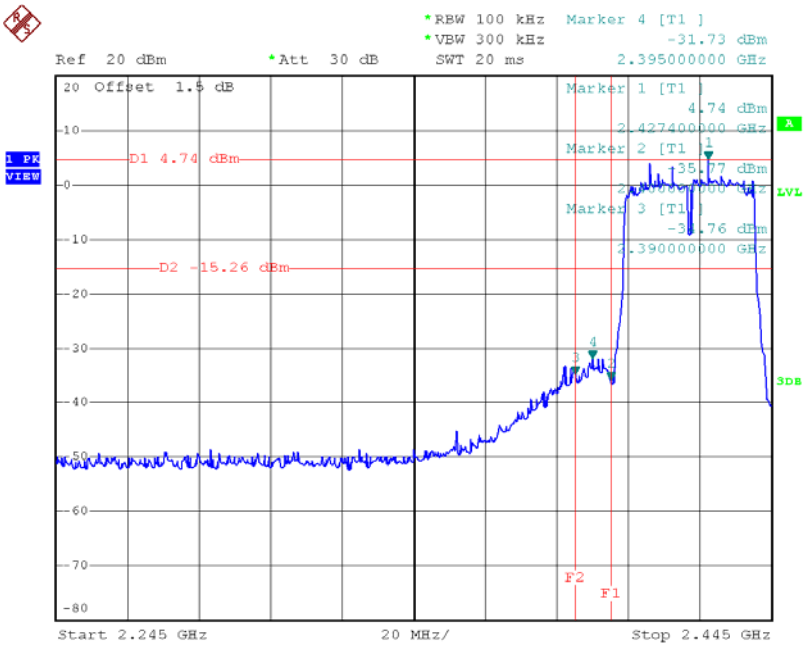
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:45:30

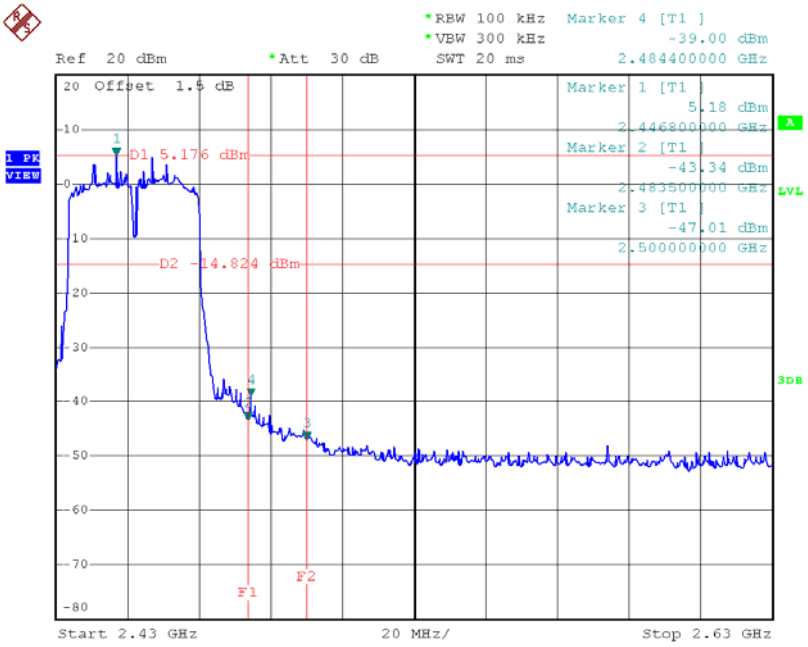
Test Mode :	TX N-40M Mode_ANT 1

TX HT40 mode CH03



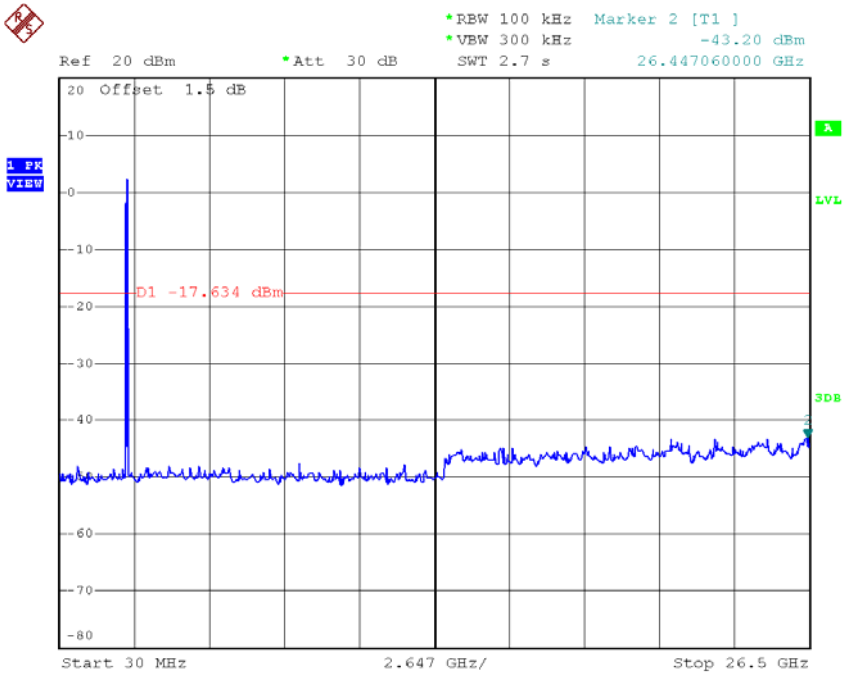
Date: 25.MAY.2016 21:40:19

TX HT40 mode CH09



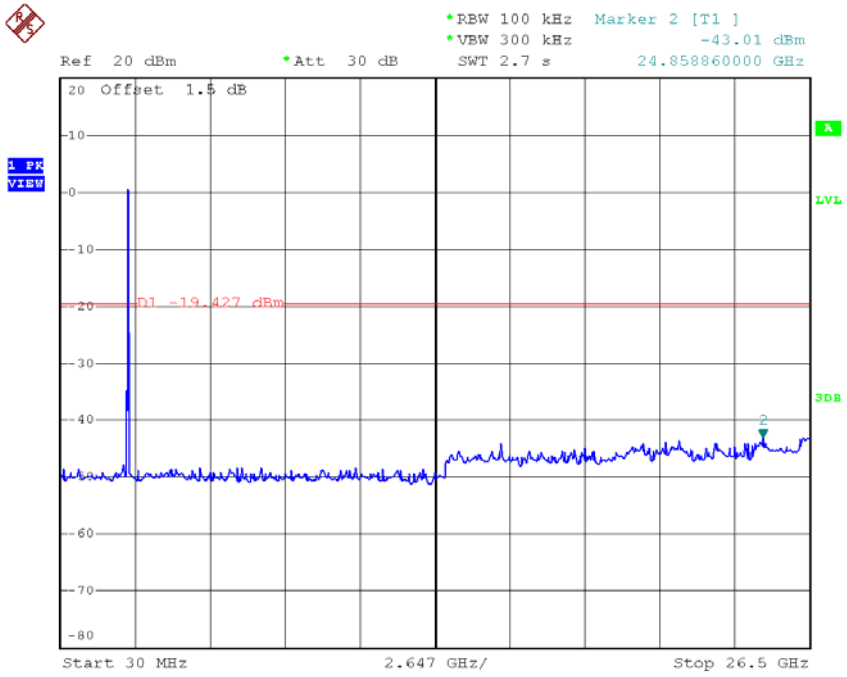
Date: 25.MAY.2016 21:46:00

TX HT40 mode CH03 (10 Harmonic of the frequency)



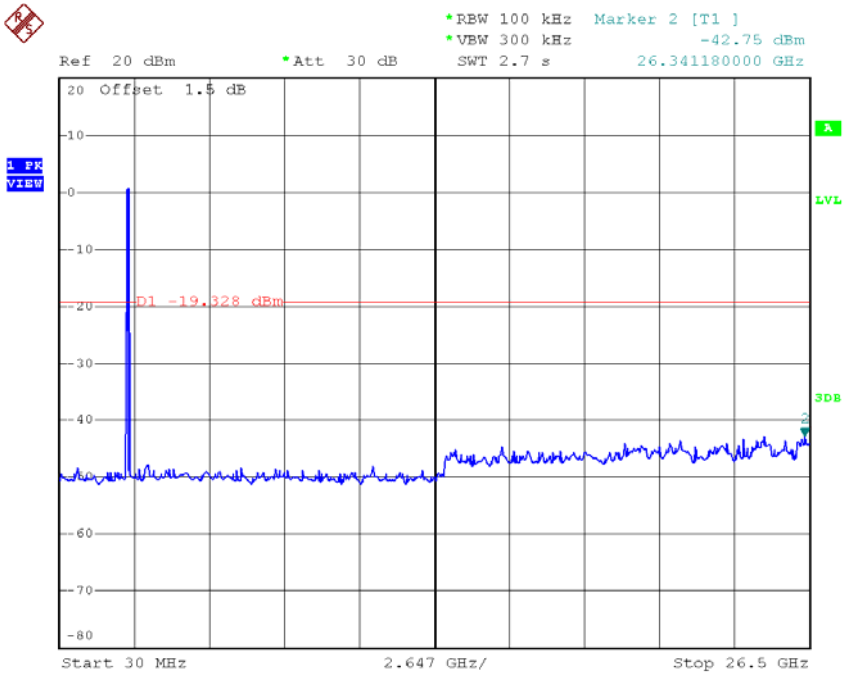
Date: 25.MAY.2016 21:40:11

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:44:55

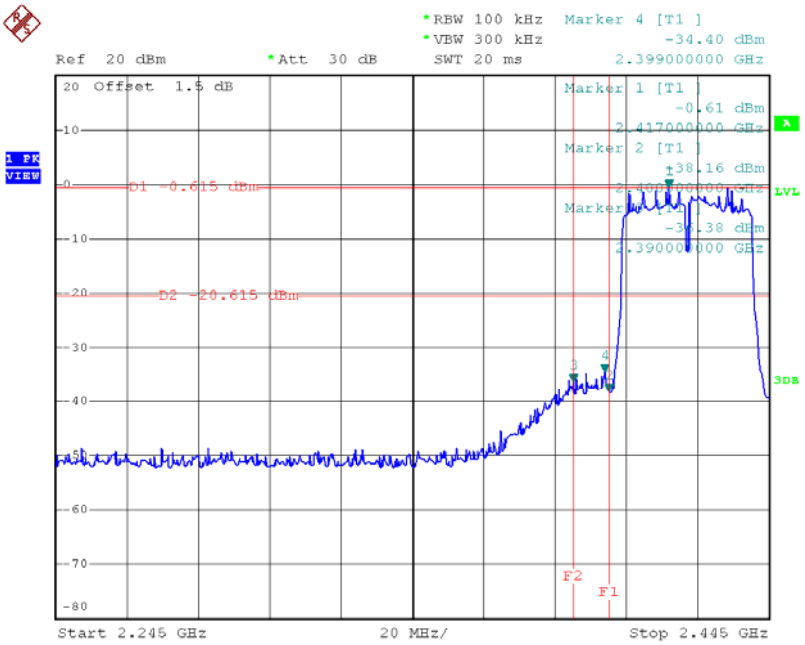
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:45:52

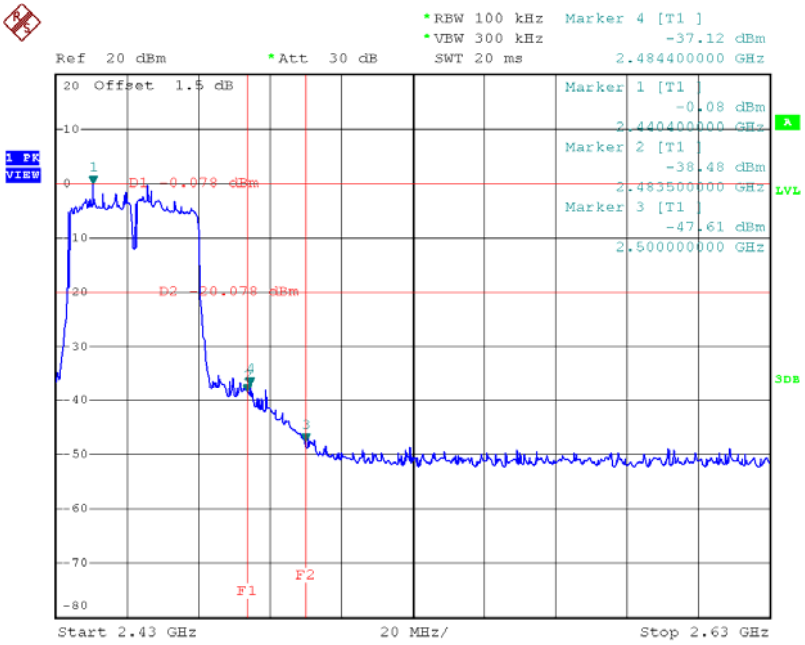
Test Mode :	TX N-40M Mode_ANT 2

TX HT40 mode CH03



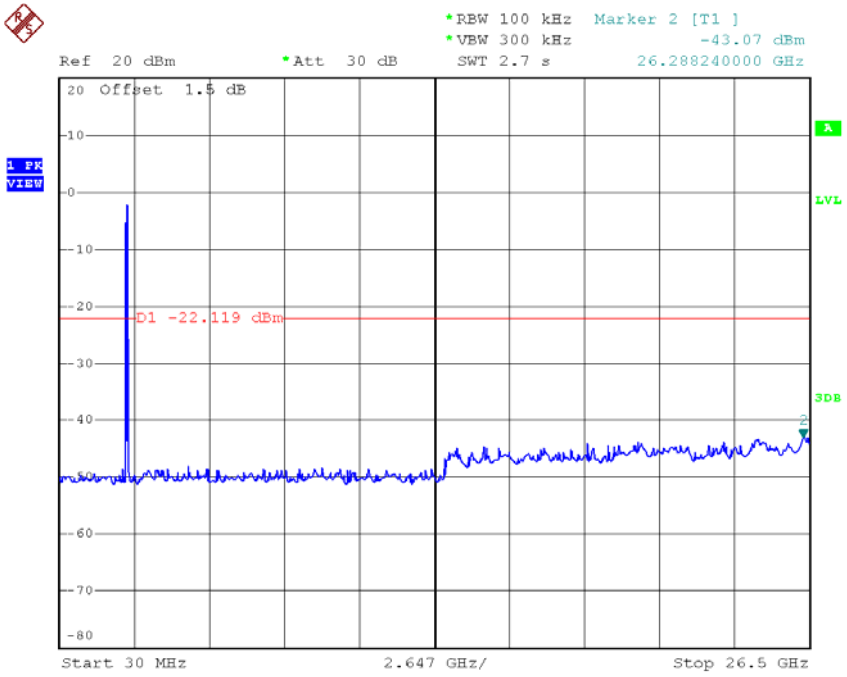
Date: 27.MAY.2016 19:47:17

TX HT40 mode CH09



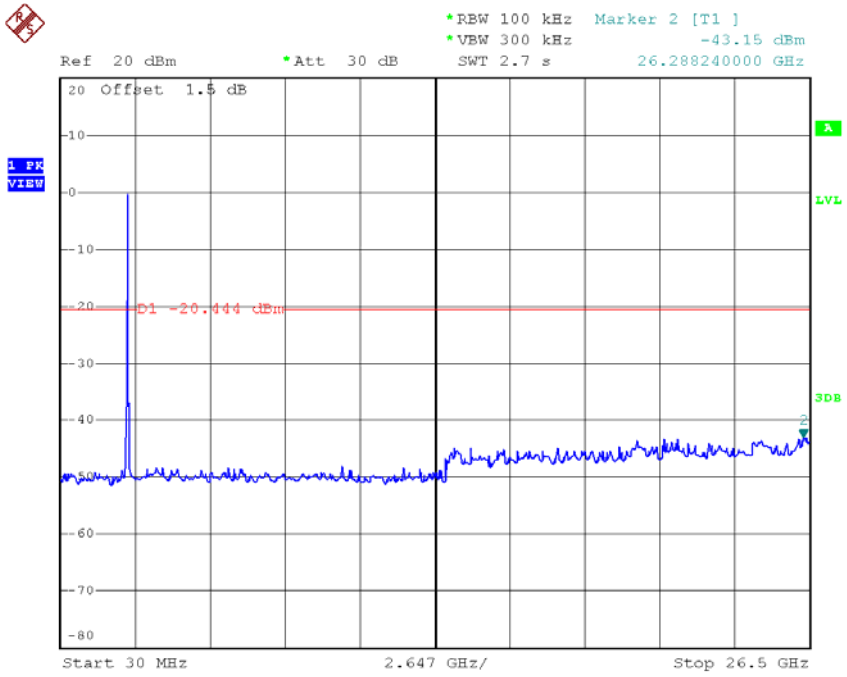
Date: 27.MAY.2016 19:50:09

TX HT40 mode CH03 (10 Harmonic of the frequency)



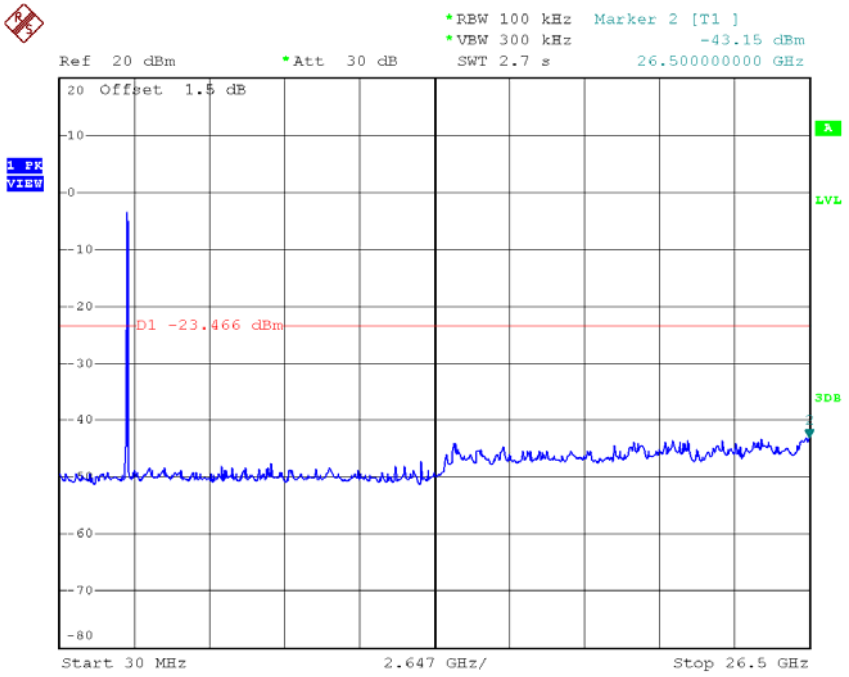
Date: 27.MAY.2016 19:47:09

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:49:06

TX HT40 mode CH09 (10 Harmonic of the frequency)

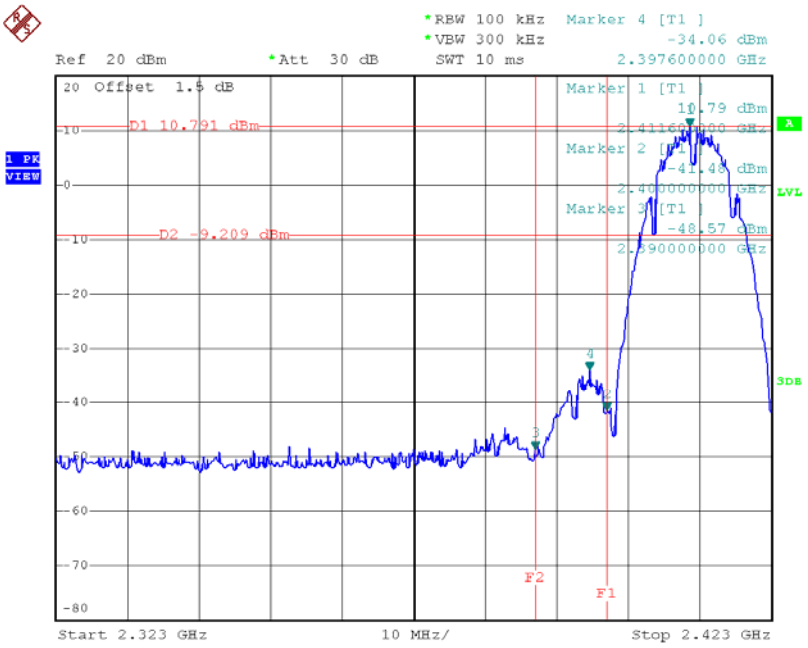


Date: 27.MAY.2016 19:50:01

For 3T3R

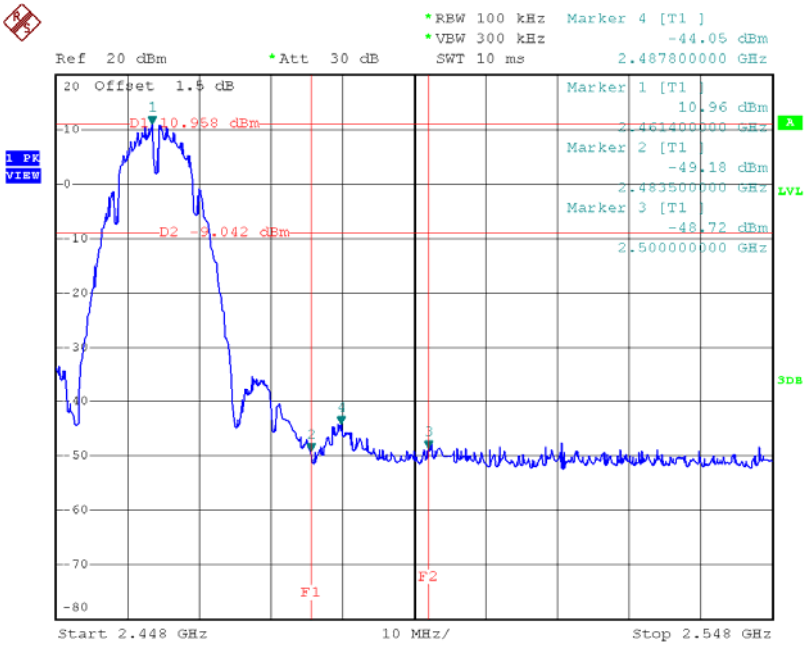
Test Mode :	TX B Mode_ANT 1

TX B mode CH01



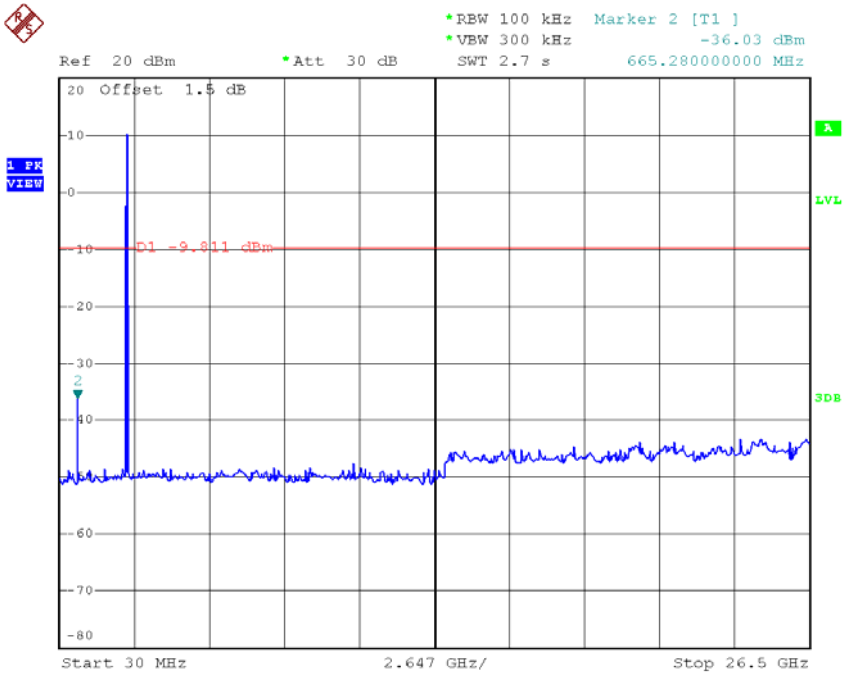
Date: 25.MAY.2016 21:19:52

TX B mode CH11



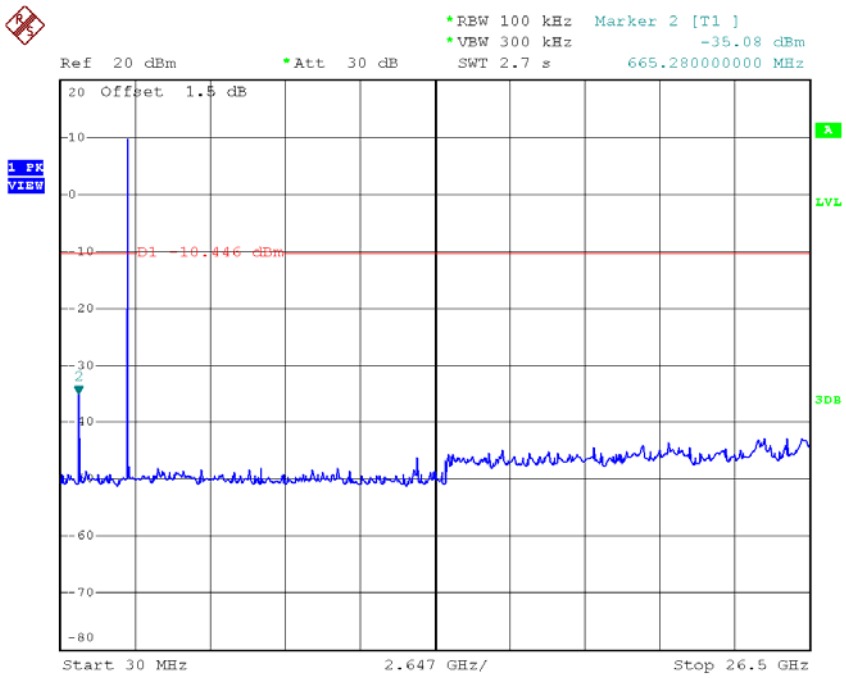
Date: 25.MAY.2016 21:27:52

TX B mode CH01 (10 Harmonic of the frequency)



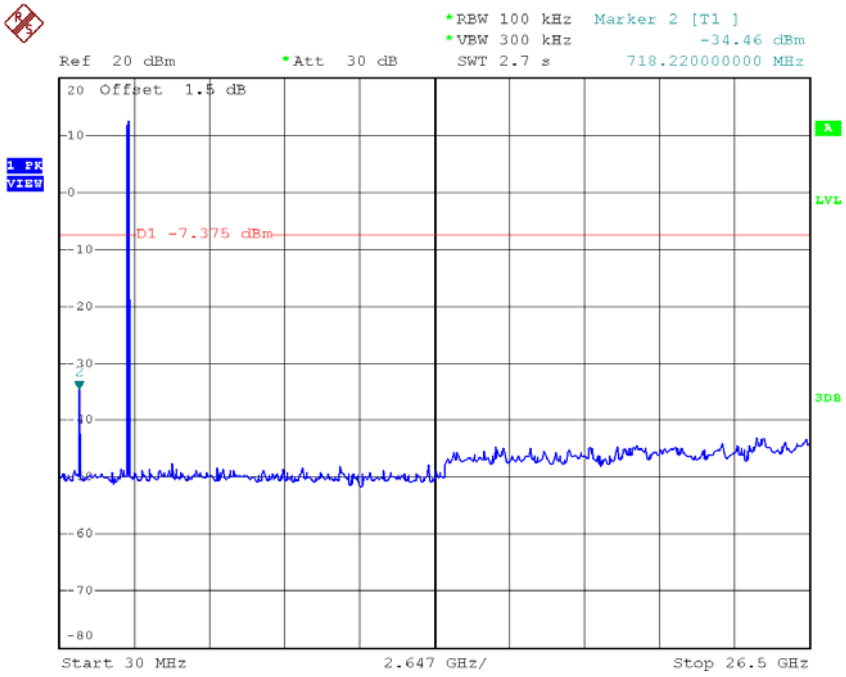
Date: 25.MAY.2016 21:19:45

TX B mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:23:42

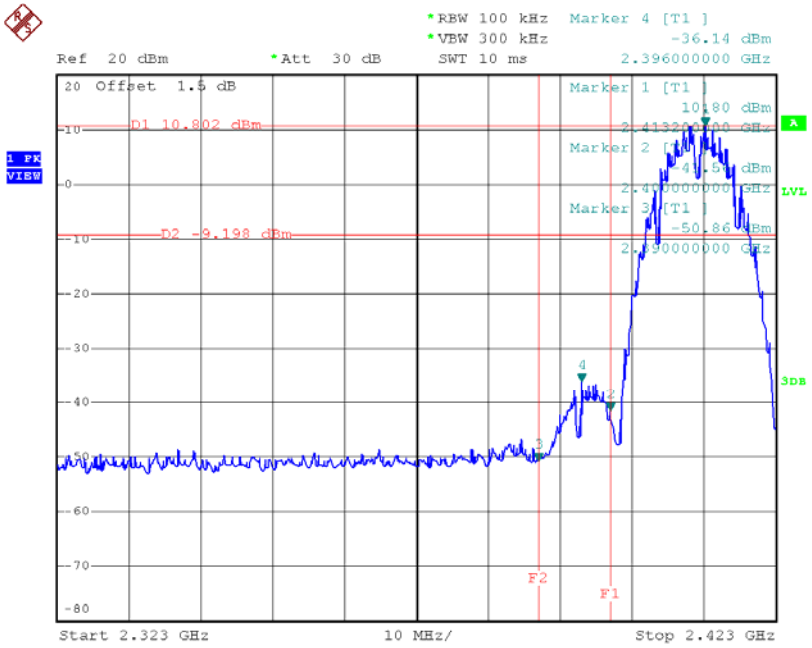
TX B mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:27:44

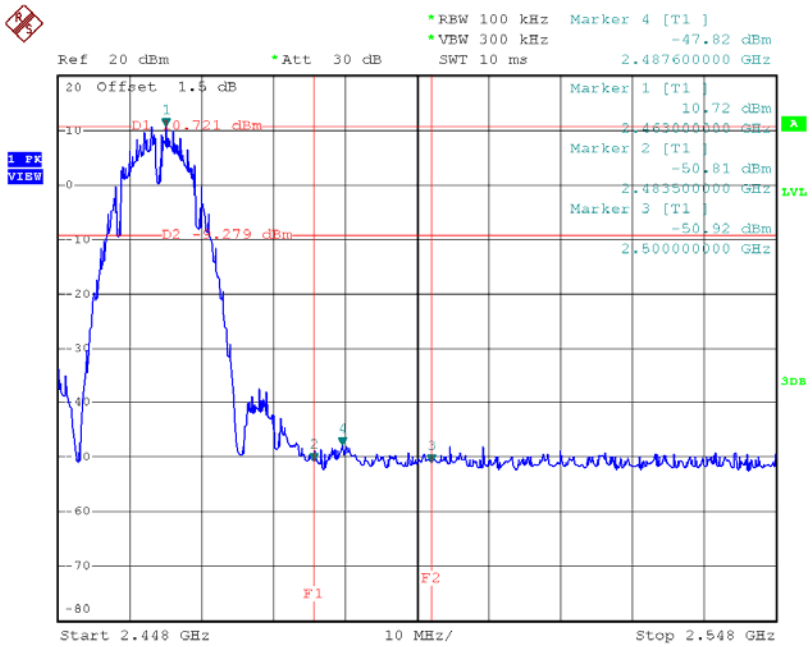
Test Mode :	TX B Mode_ANT 2

TX B mode CH01



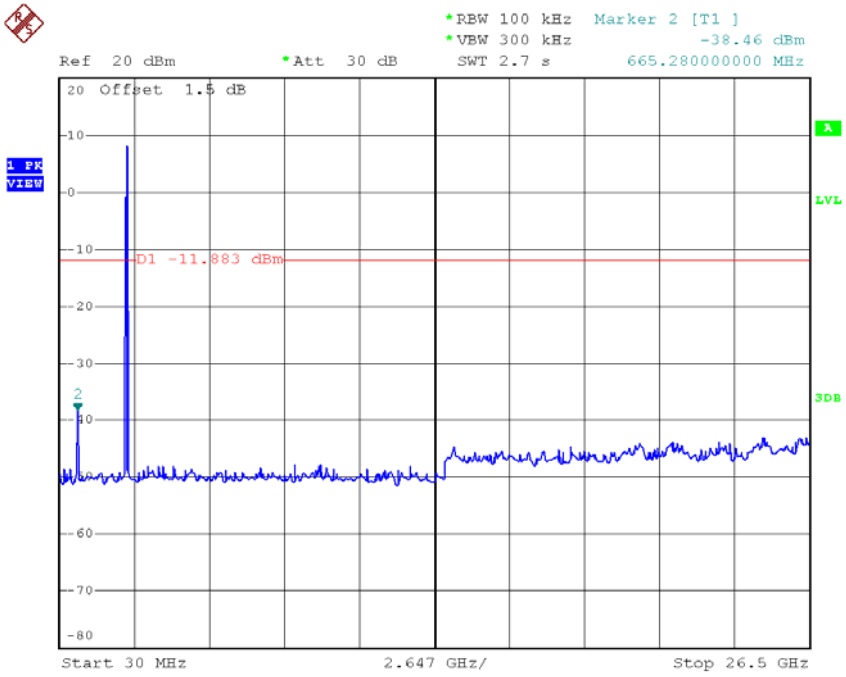
Date: 25.MAY.2016 21:48:46

TX B mode CH11



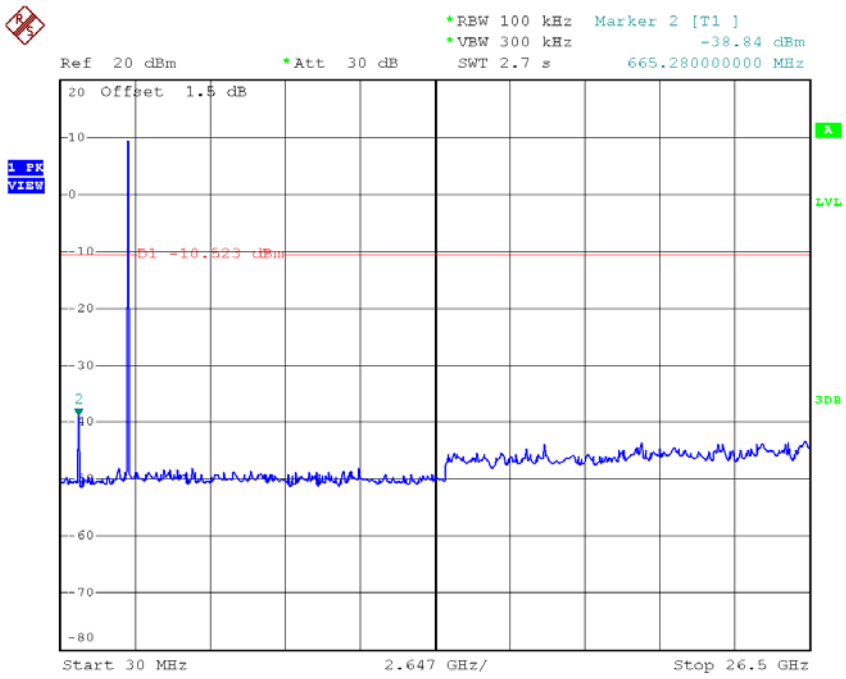
Date: 25.MAY.2016 21:52:38

TX B mode CH01 (10 Harmonic of the frequency)



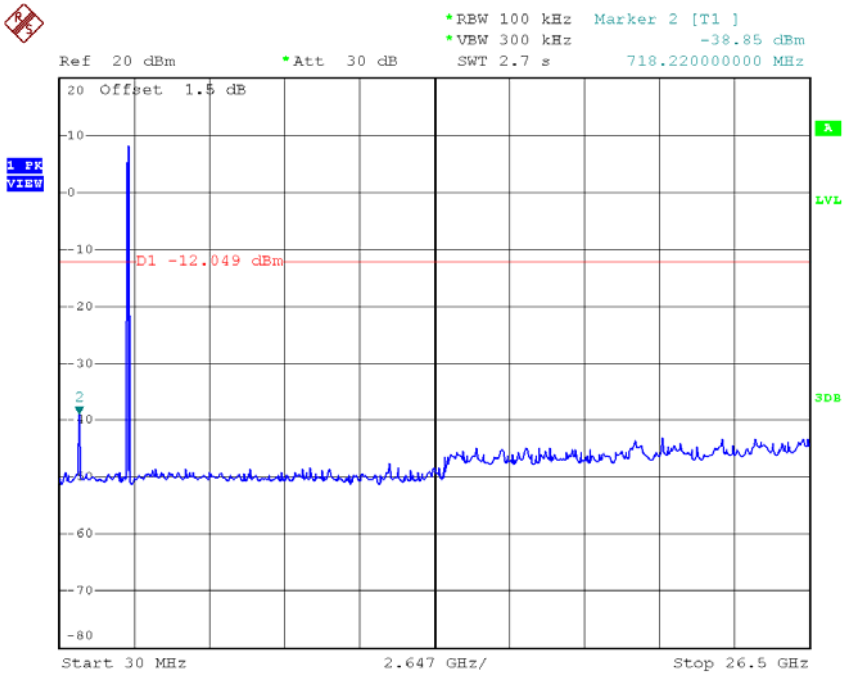
Date: 25.MAY.2016 21:48:39

TX B mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:49:55

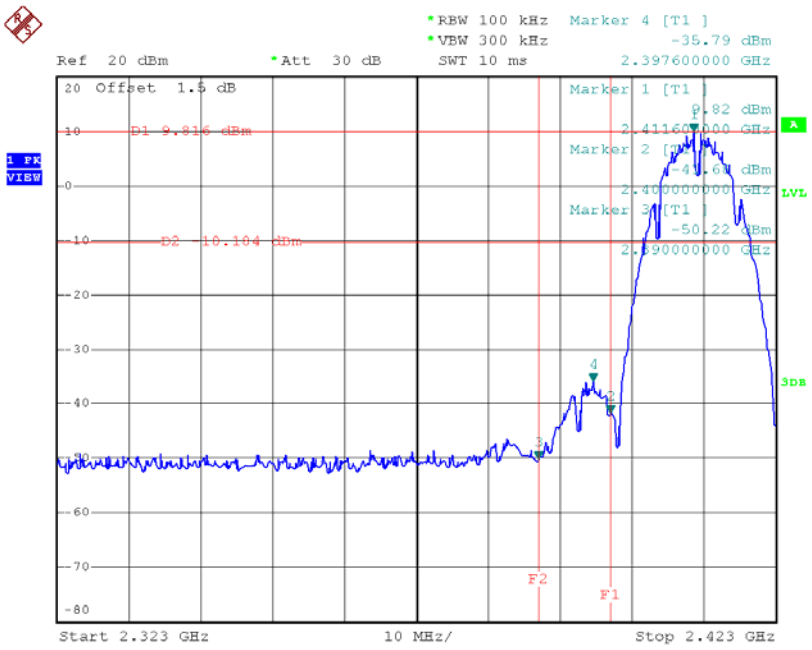
TX B mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:52:30

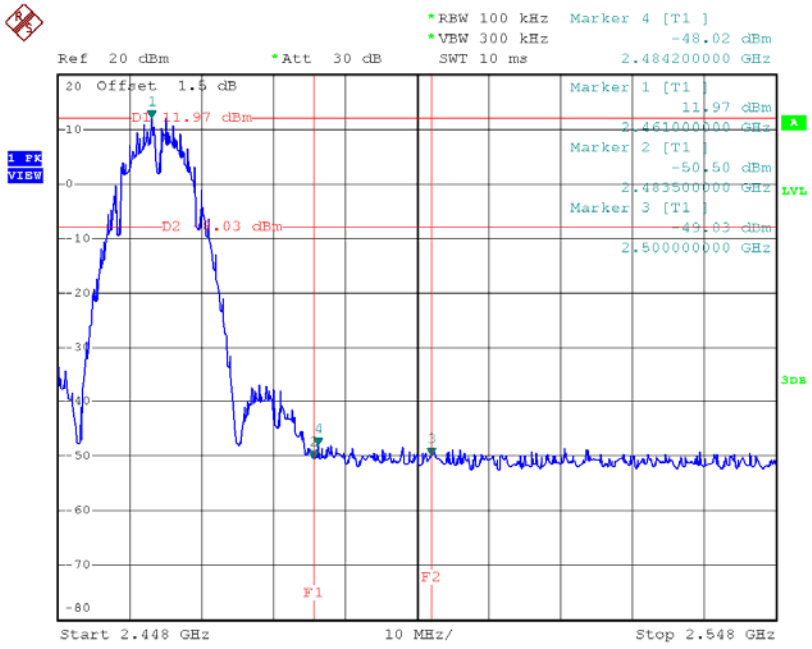
Test Mode :	TX B Mode_ANT 3

TX B mode CH01



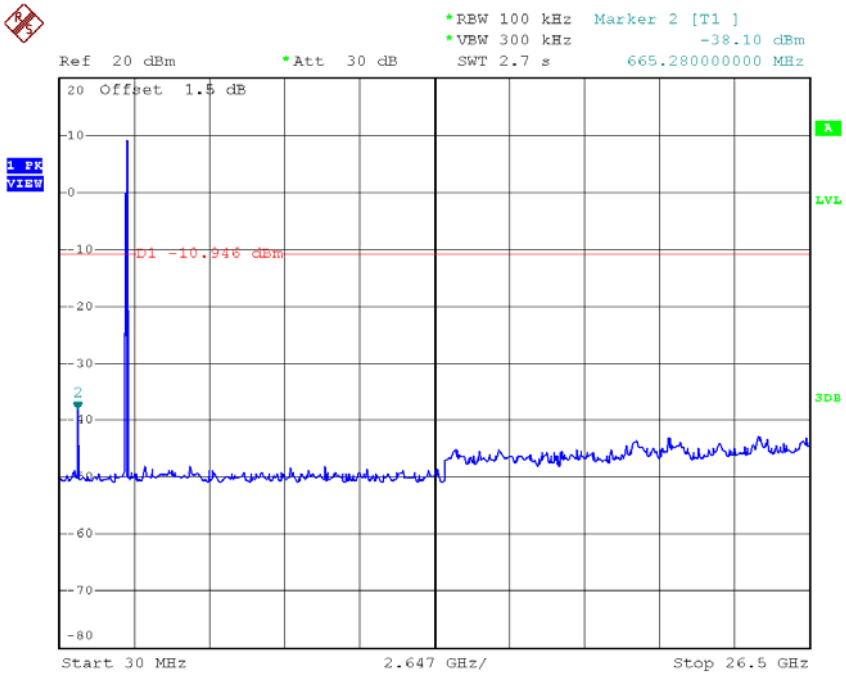
Date: 27.MAY.2016 20:10:21

TX B mode CH11



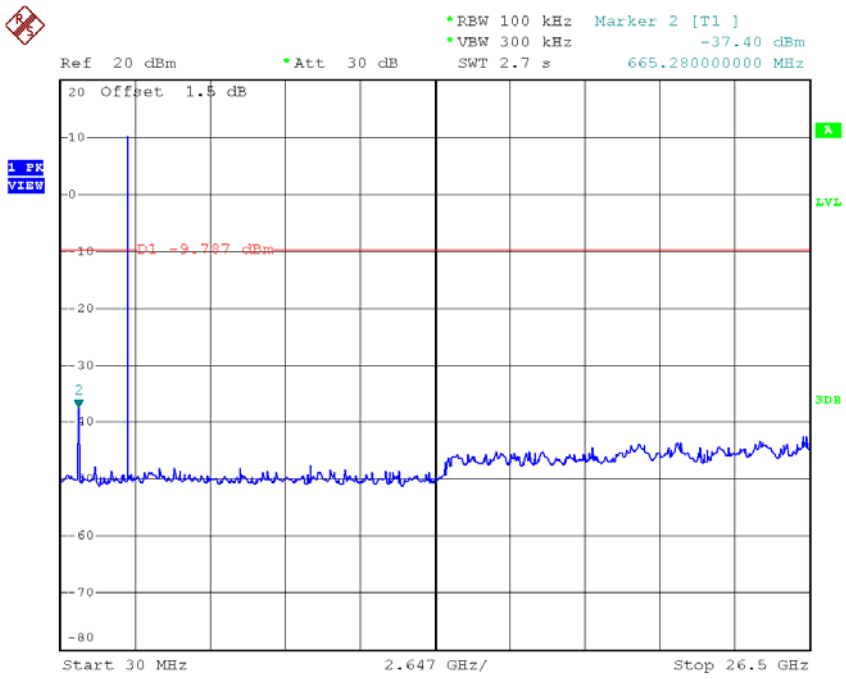
Date: 27.MAY.2016 20:13:36

TX B mode CH01 (10 Harmonic of the frequency)



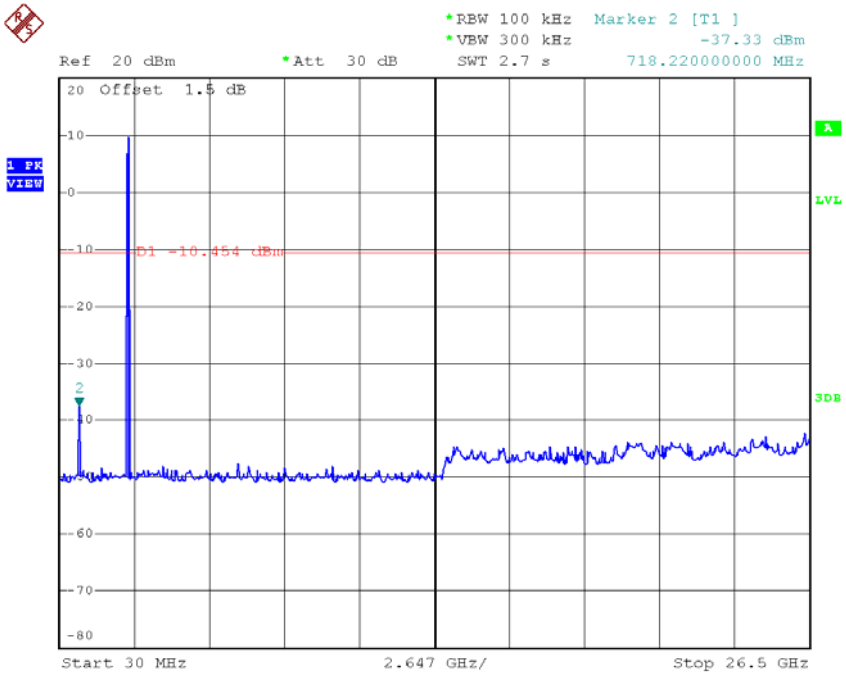
Date: 27.MAY.2016 20:10:13

TX B mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:11:56

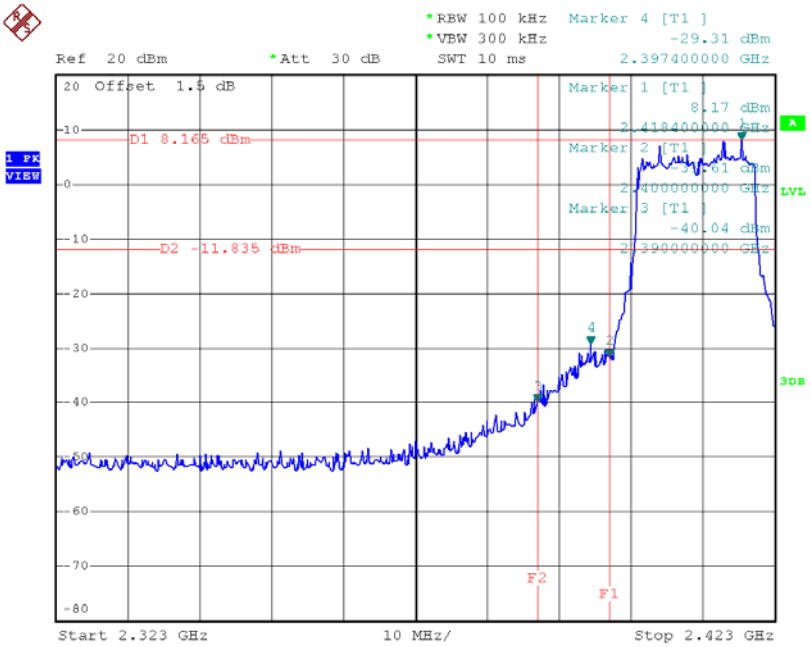
TX B mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:13:28

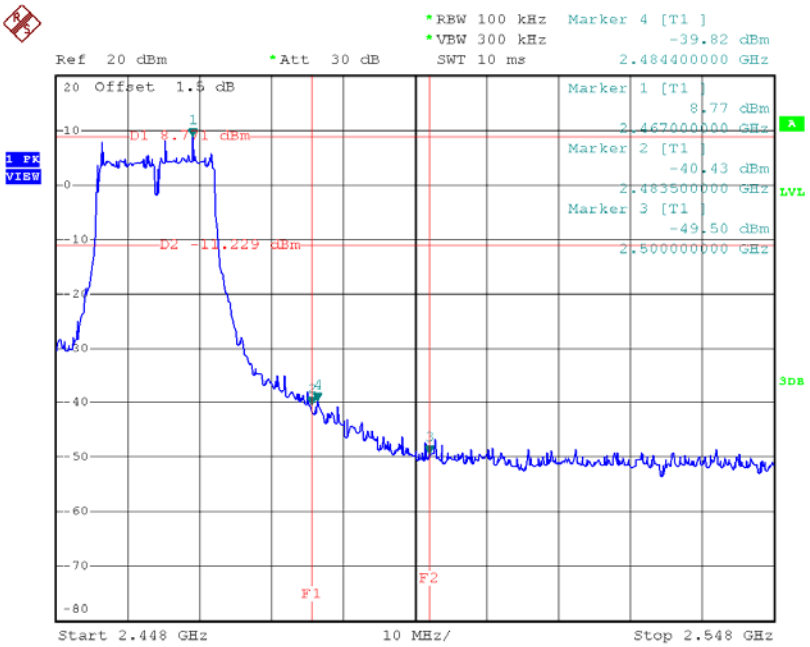
Test Mode :	TX G Mode_ANT 1

TX G mode CH01



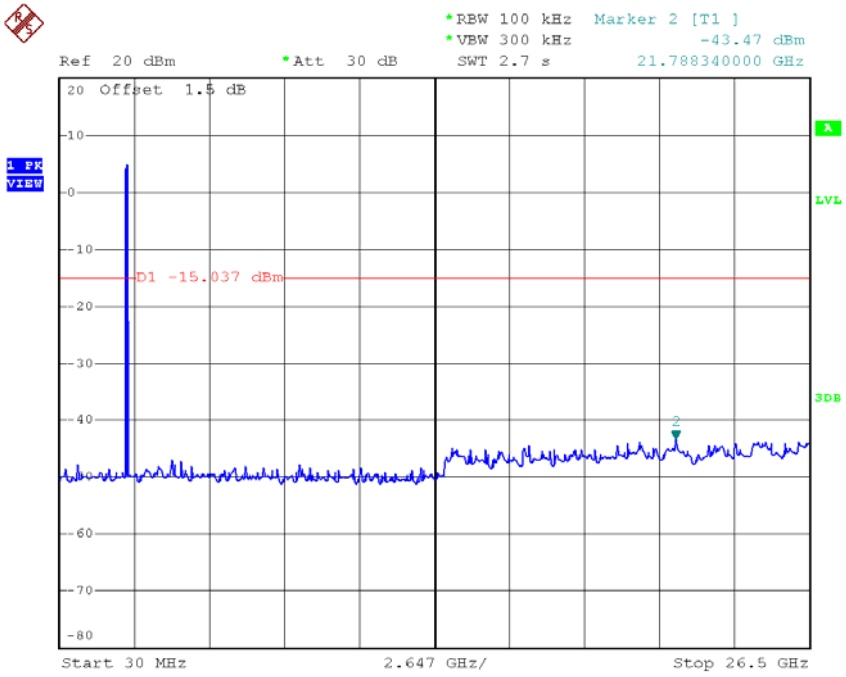
Date: 25.MAY.2016 21:30:52

TX G mode CH11



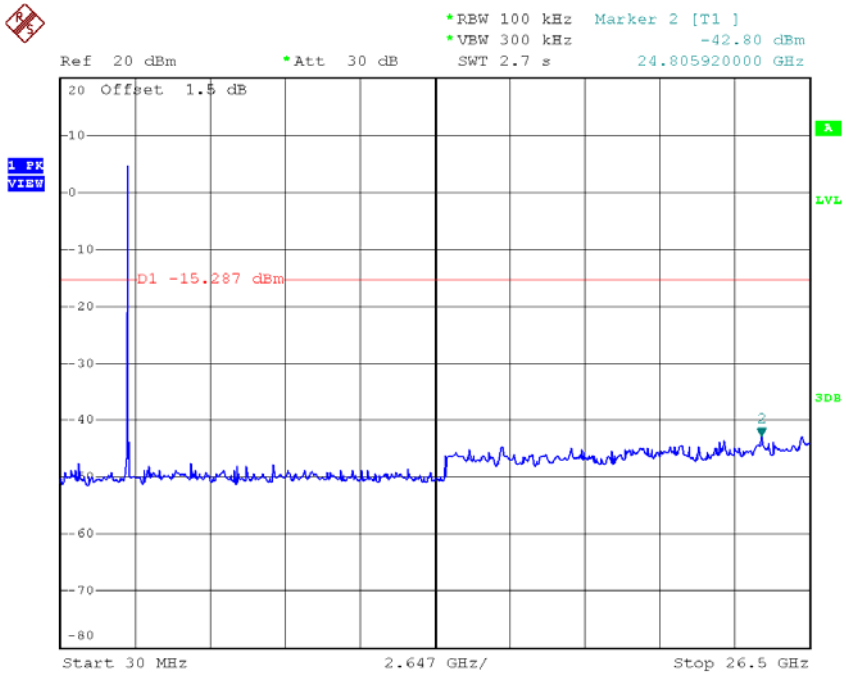
Date: 25.MAY.2016 21:32:59

TX G mode CH01 (10 Harmonic of the frequency)



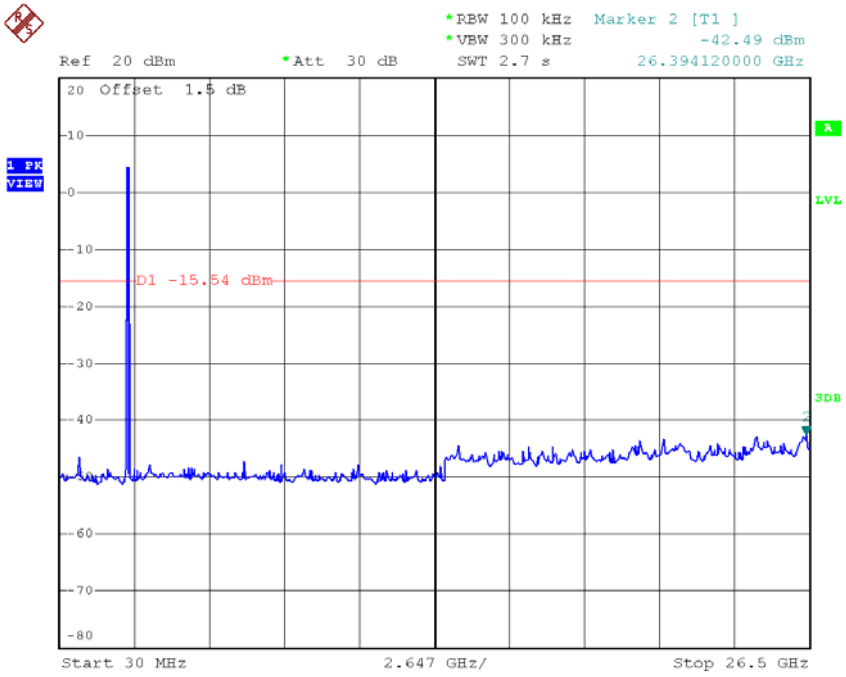
Date: 25.MAY.2016 21:30:44

TX G mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:32:05

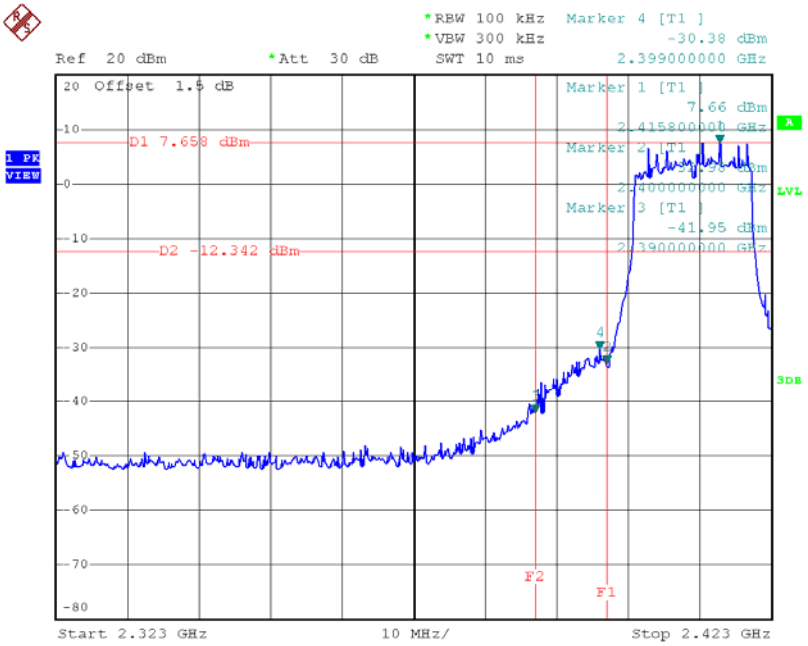
TX G mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:32:52

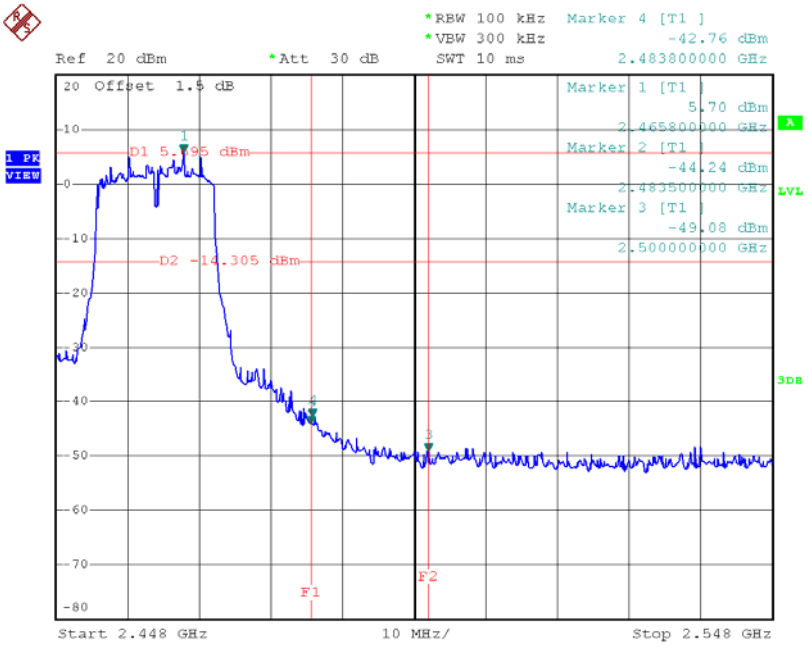
Test Mode :	TX G Mode_ANT 2

TX G mode CH01



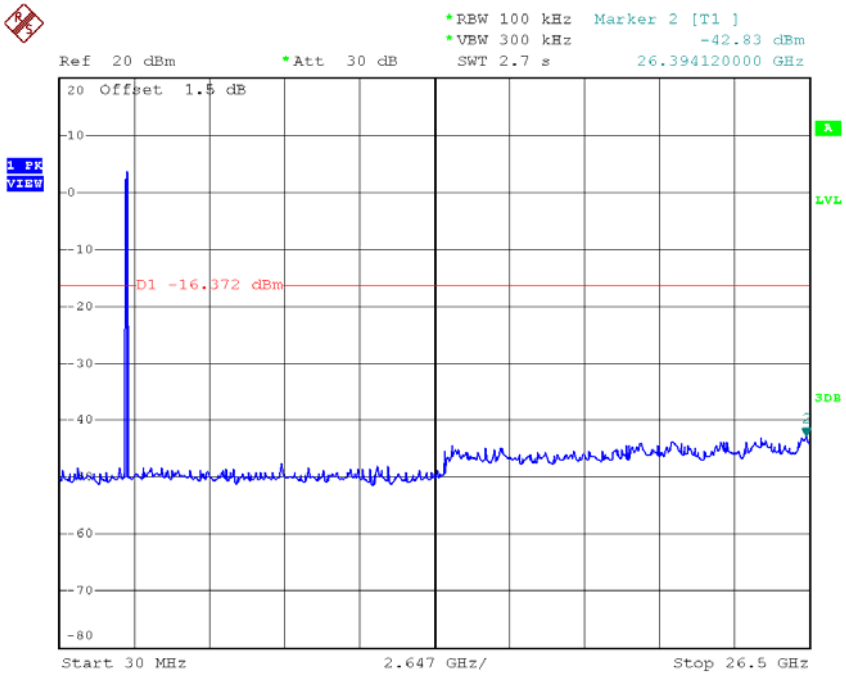
Date: 27.MAY.2016 19:38:35

TX G mode CH11



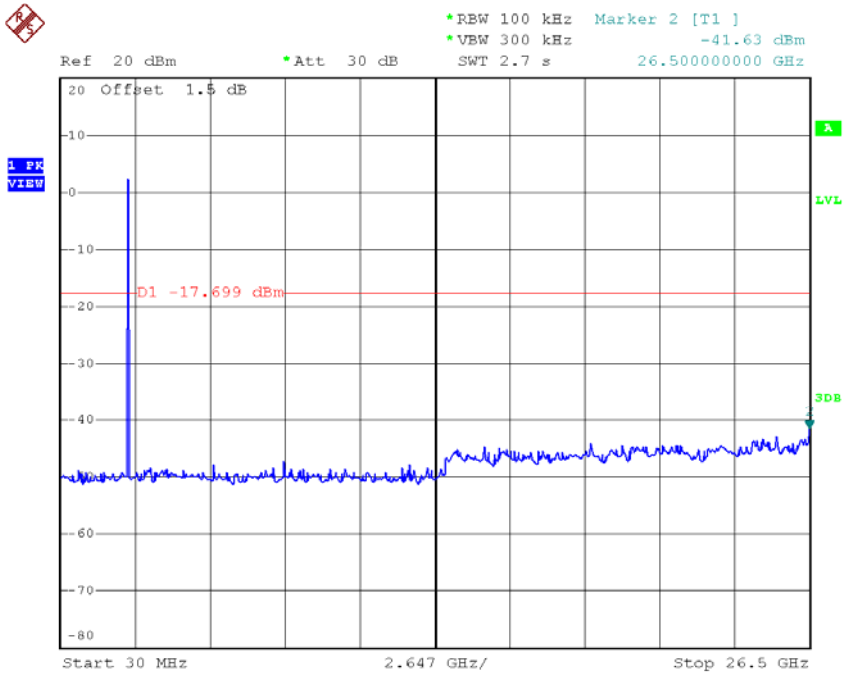
Date: 27.MAY.2016 19:40:48

TX G mode CH01 (10 Harmonic of the frequency)



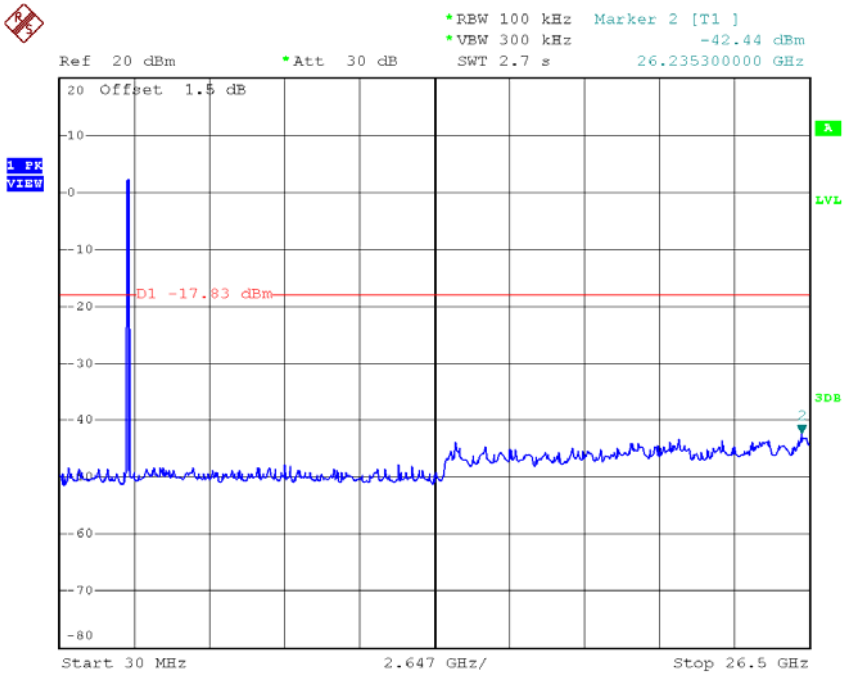
Date: 27.MAY.2016 19:38:27

TX G mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:39:51

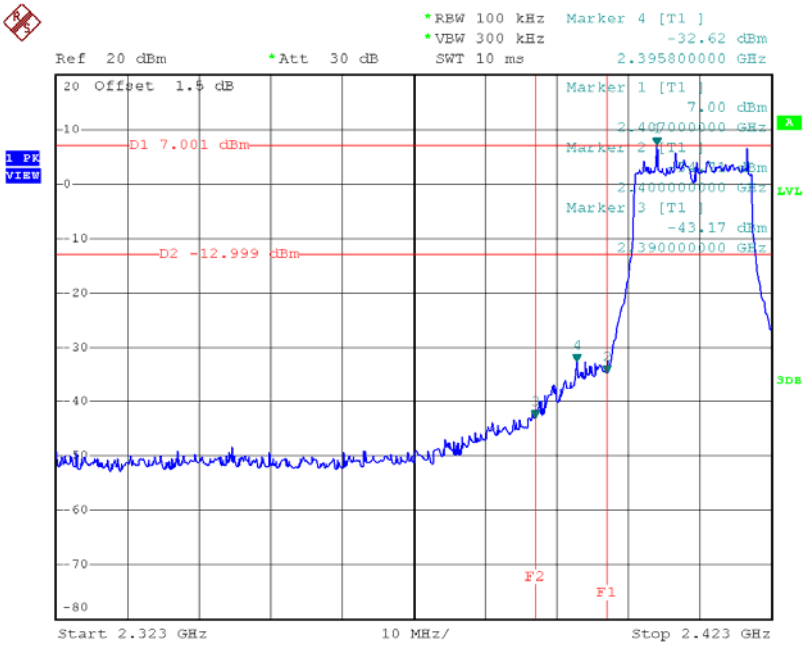
TX G mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:40:40

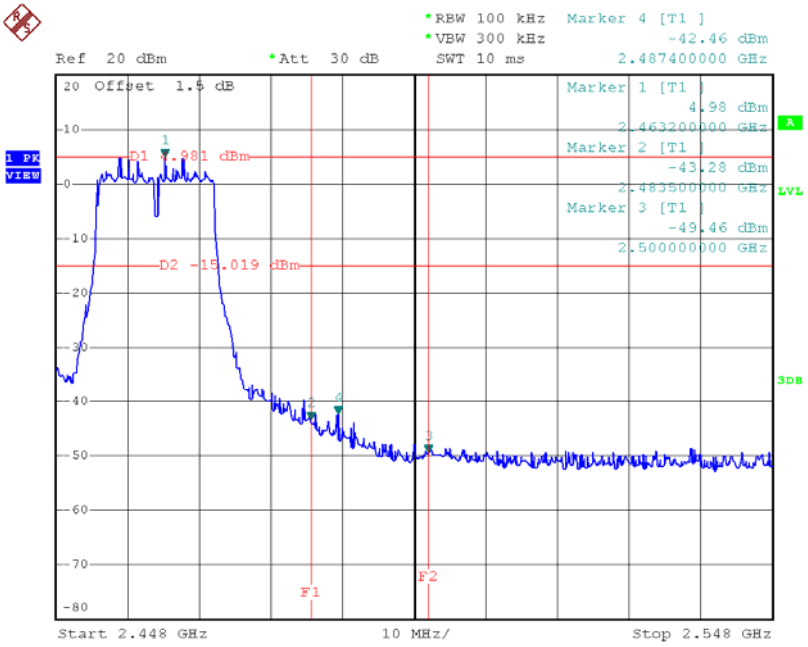
Test Mode :	TX G Mode_ANT 3

TX G mode CH01



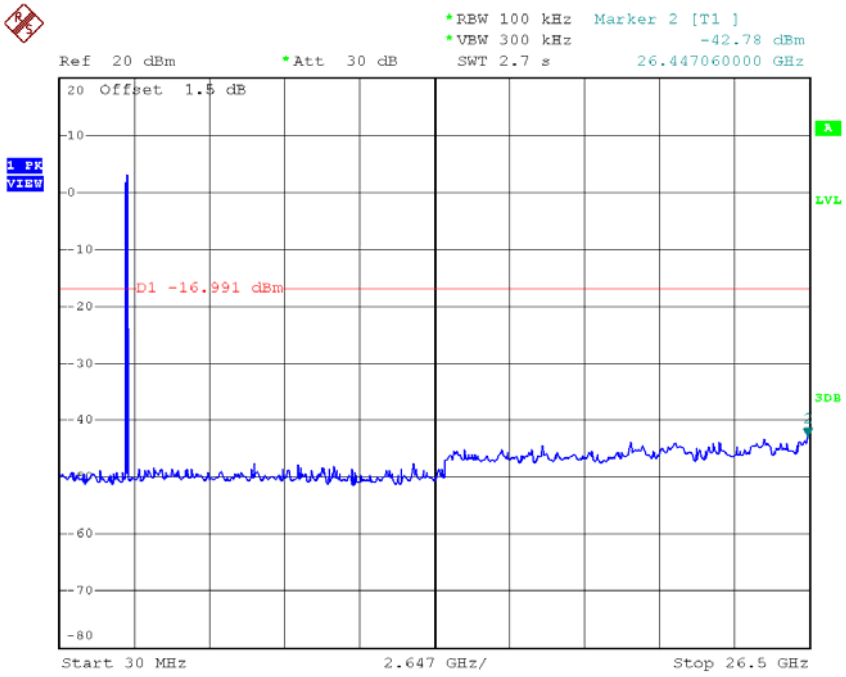
Date: 27.MAY.2016 20:15:38

TX G mode CH11



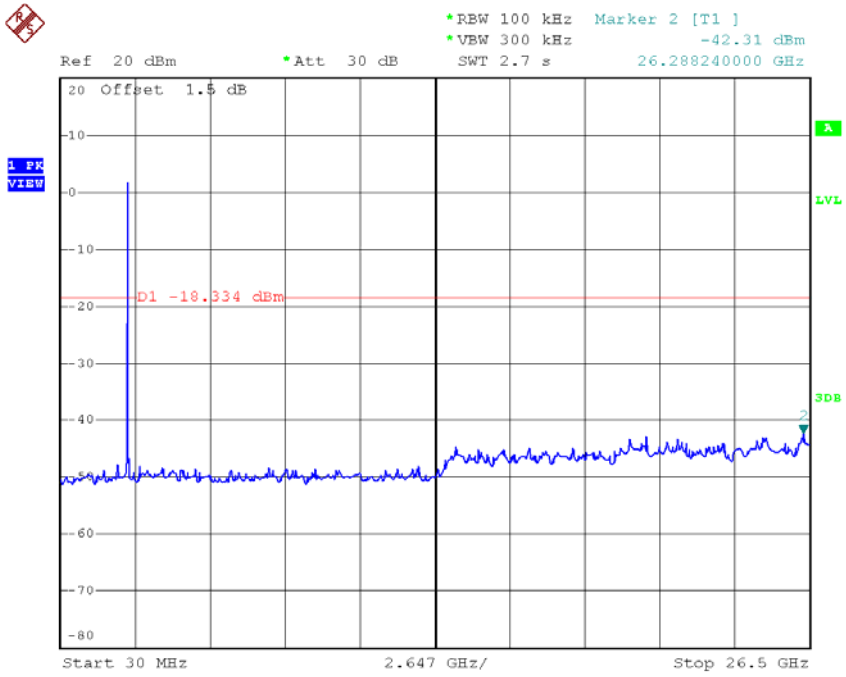
Date: 27.MAY.2016 20:17:59

TX G mode CH01 (10 Harmonic of the frequency)



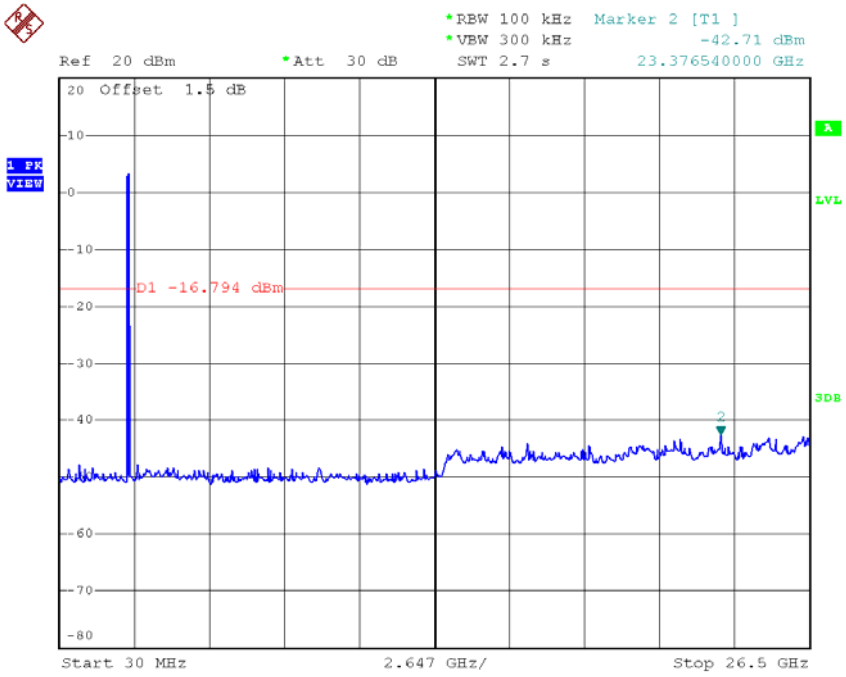
Date: 27.MAY.2016 20:15:30

TX G mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:16:40

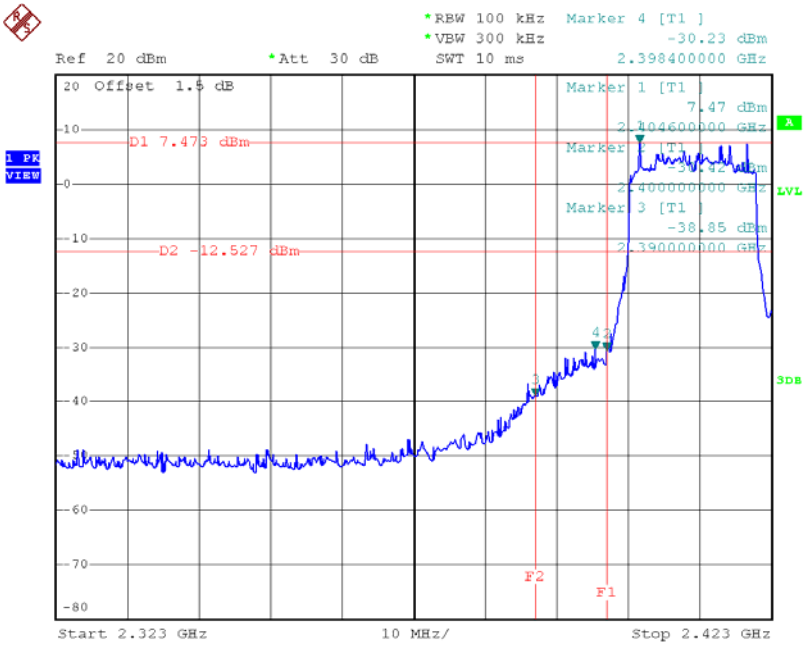
TX G mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:17:51

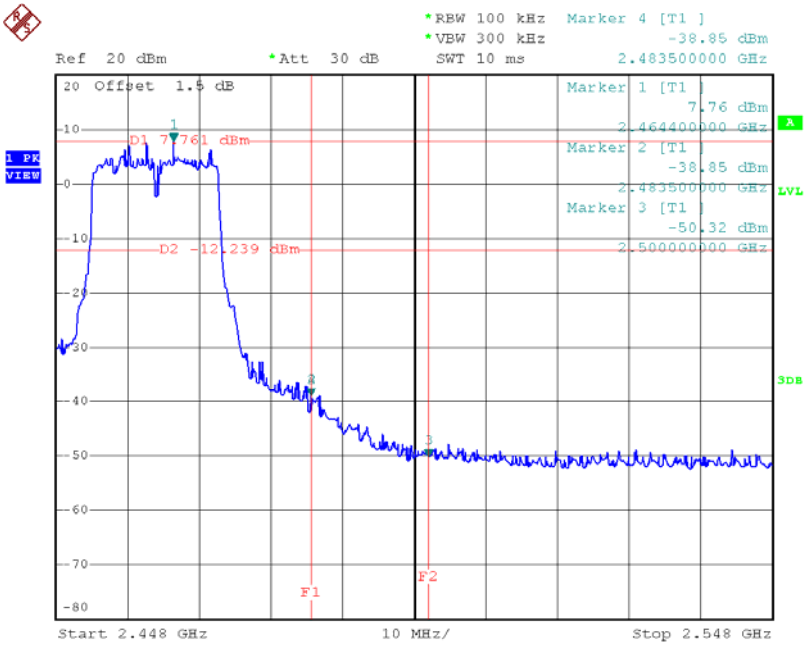
Test Mode :	TX N-20M Mode_ANT 1

TX HT20 mode CH01



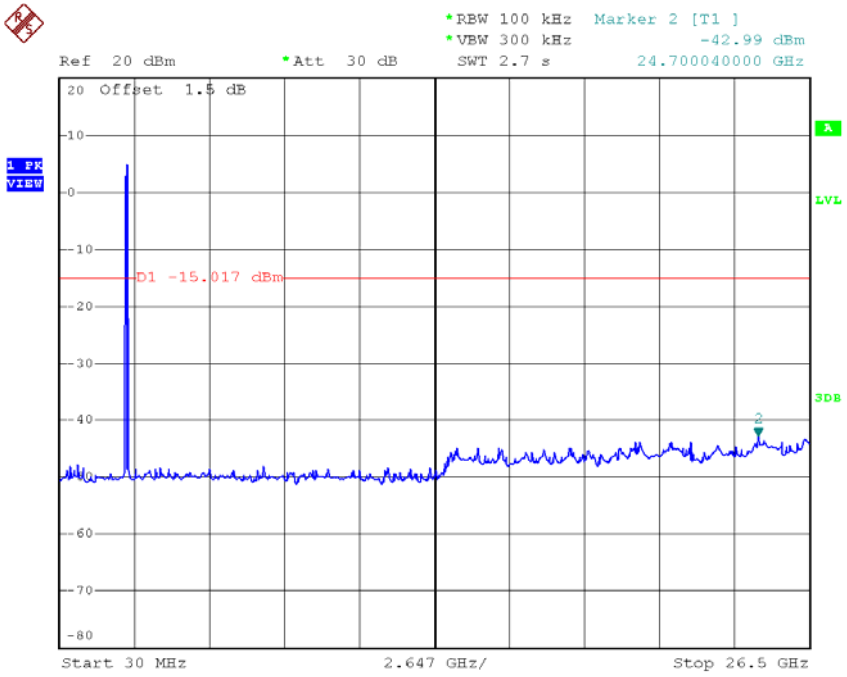
Date: 25.MAY.2016 21:36:46

TX HT20 mode CH11



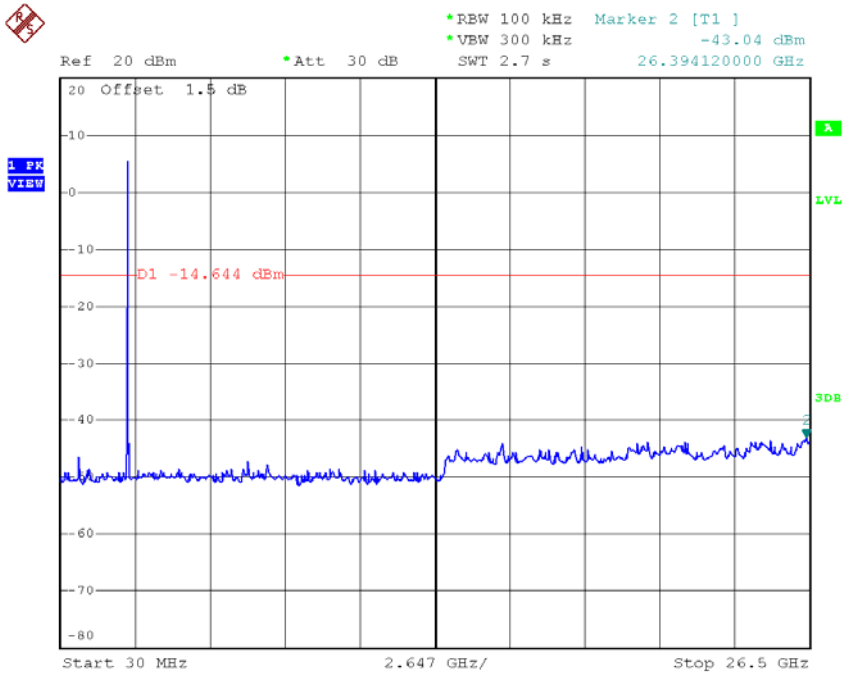
Date: 25.MAY.2016 21:38:46

TX HT20 mode CH01 (10 Harmonic of the frequency)



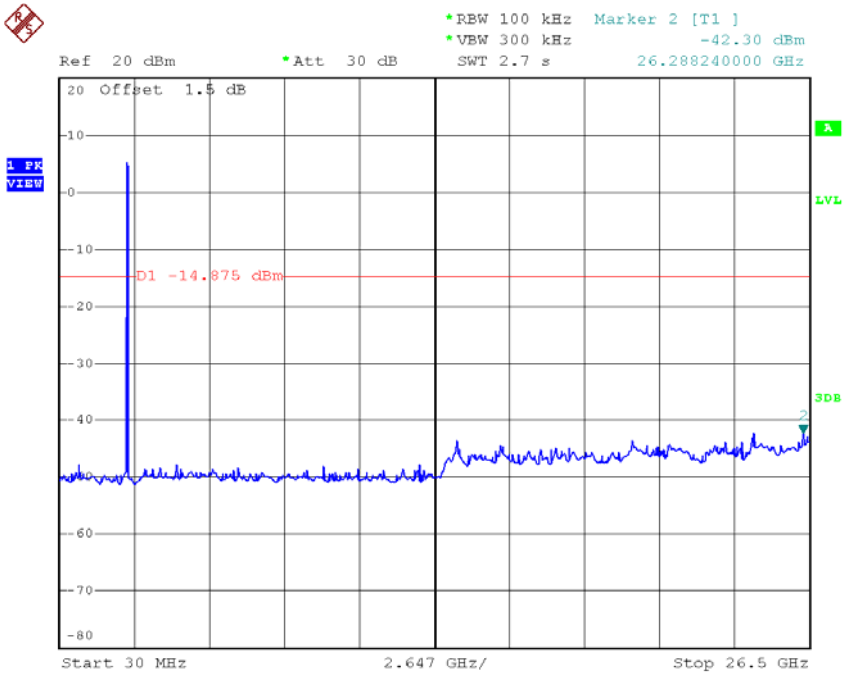
Date: 25.MAY.2016 21:36:38

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:37:45

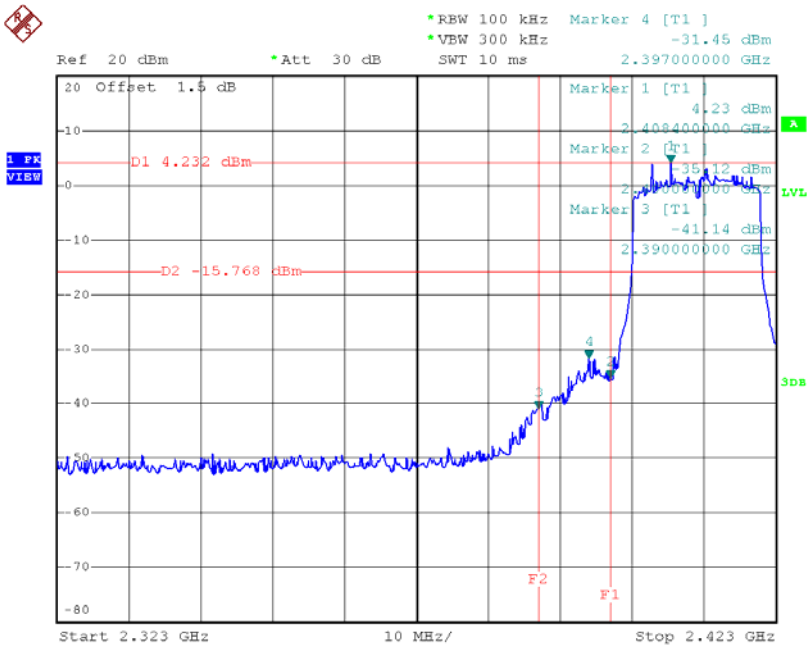
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:38:38

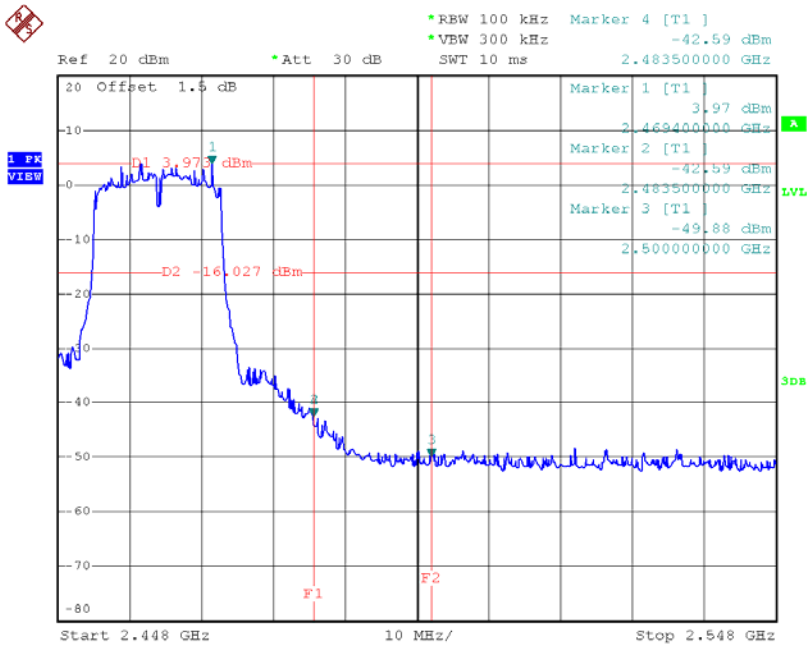
Test Mode :	TX N-20M Mode_ANT 2

TX HT20 mode CH01



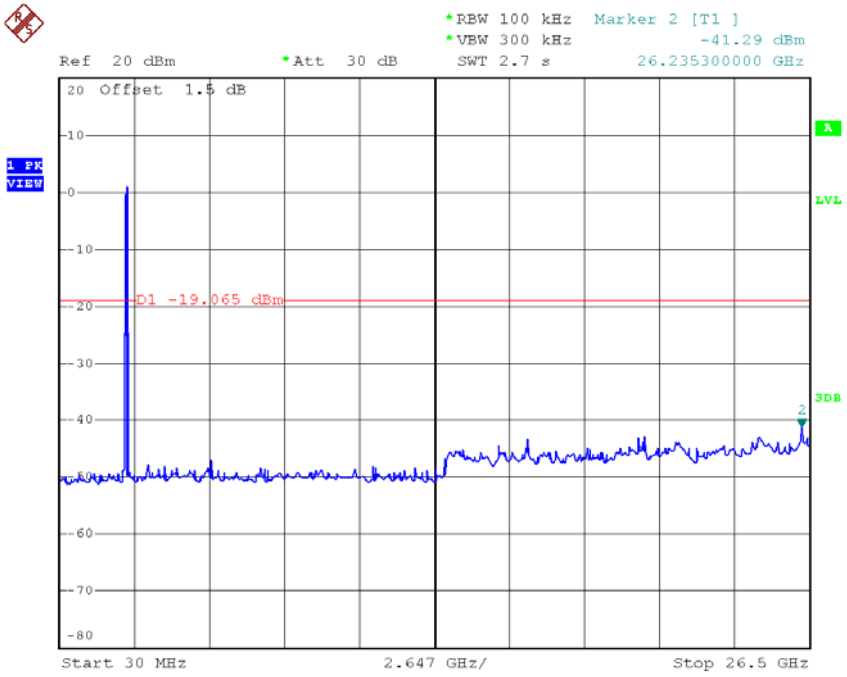
Date: 27.MAY.2016 19:43:15

TX HT20 mode CH11



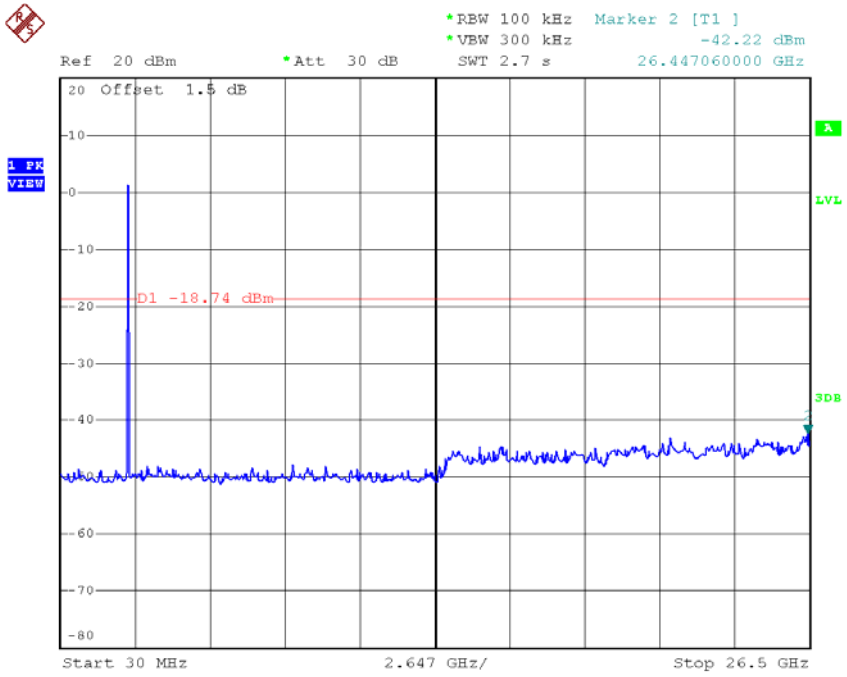
Date: 27.MAY.2016 19:45:37

TX HT20 mode CH01 (10 Harmonic of the frequency)



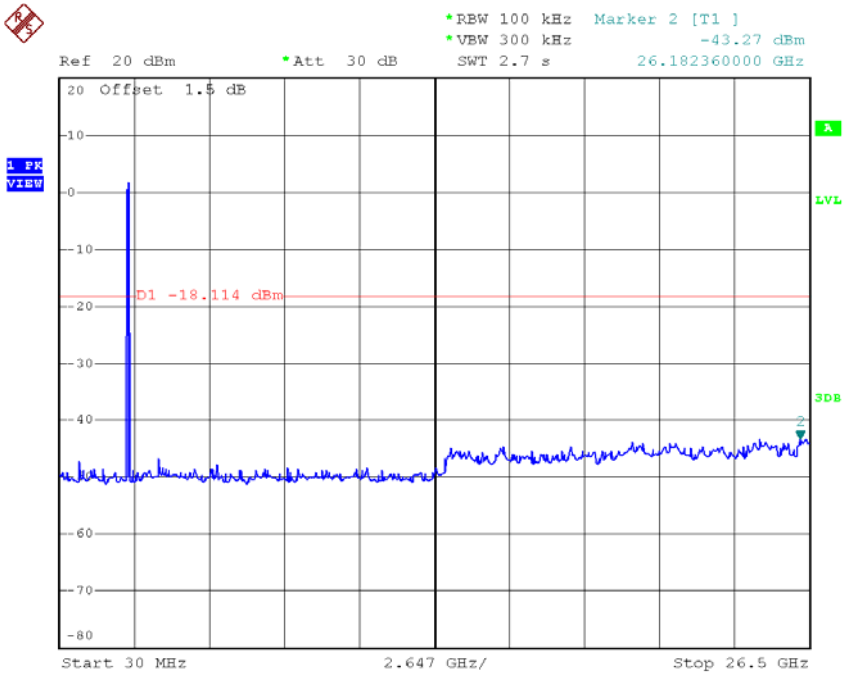
Date: 27.MAY.2016 19:43:08

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:44:30

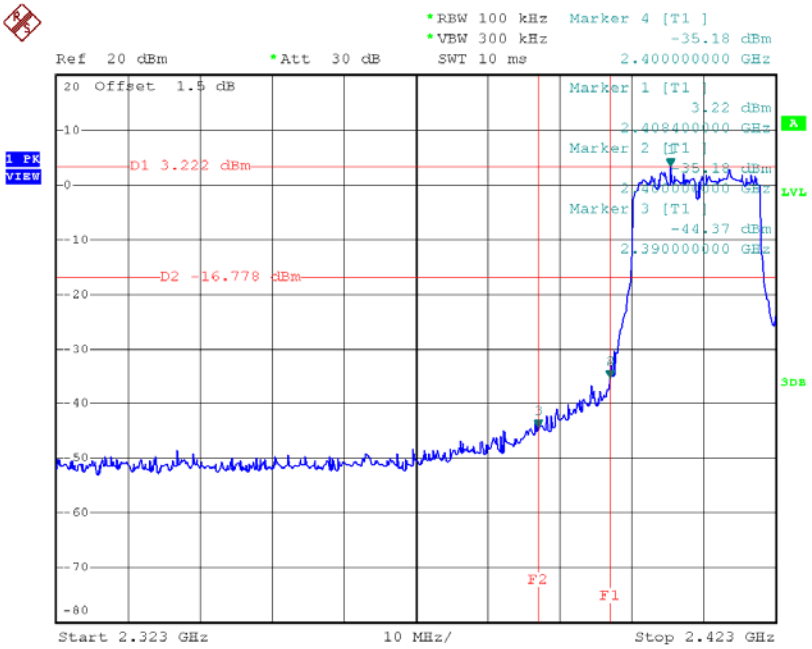
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:45:30

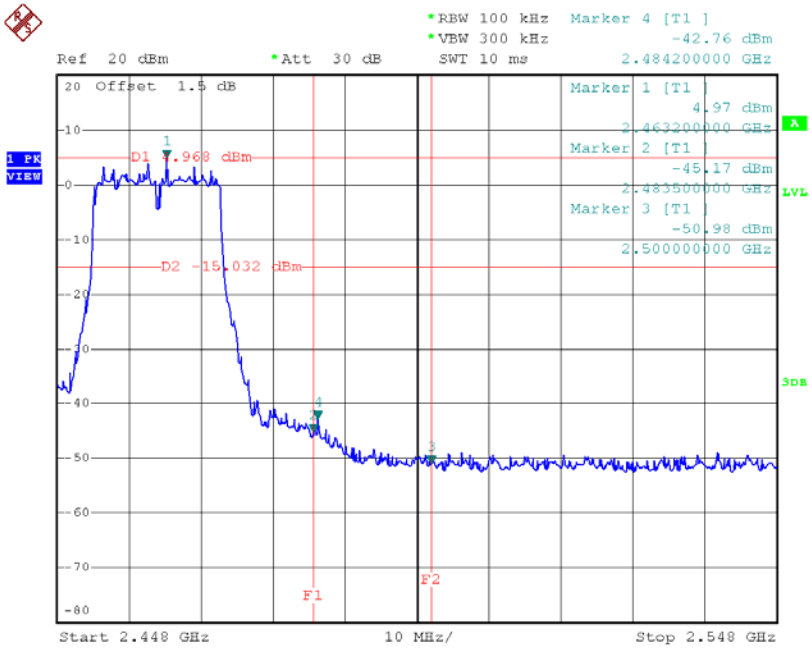
Test Mode :	TX N-20M Mode_ANT 3

TX HT20 mode CH01



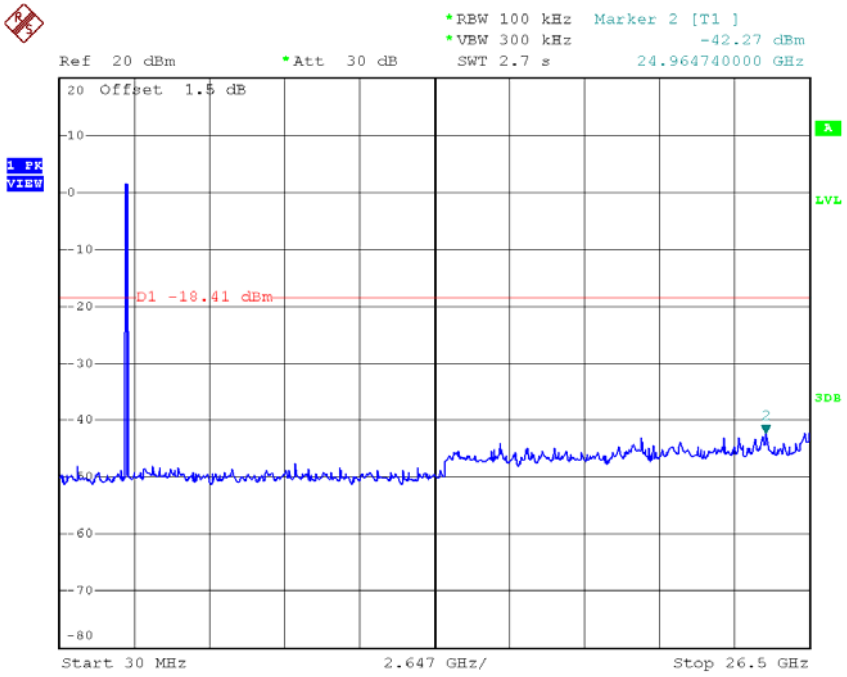
Date: 27.MAY.2016 20:19:53

TX HT20 mode CH11



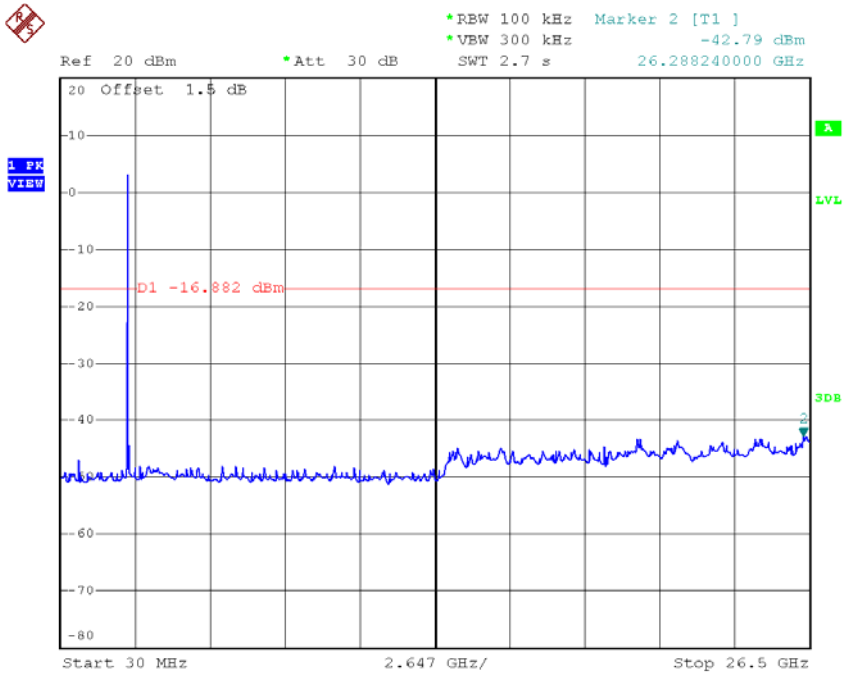
Date: 27.MAY.2016 20:21:53

TX HT20 mode CH01 (10 Harmonic of the frequency)



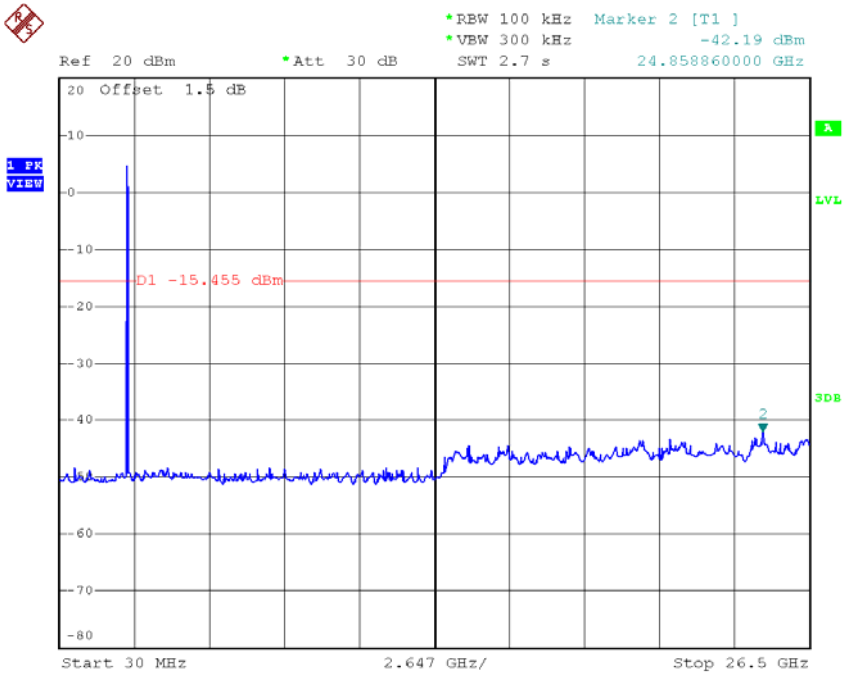
Date: 27.MAY.2016 20:19:45

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:20:45

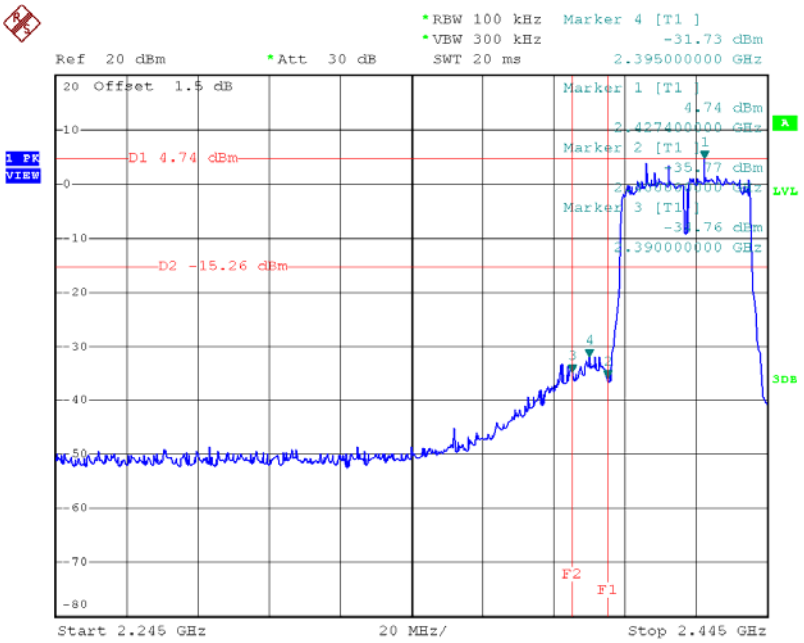
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:21:46

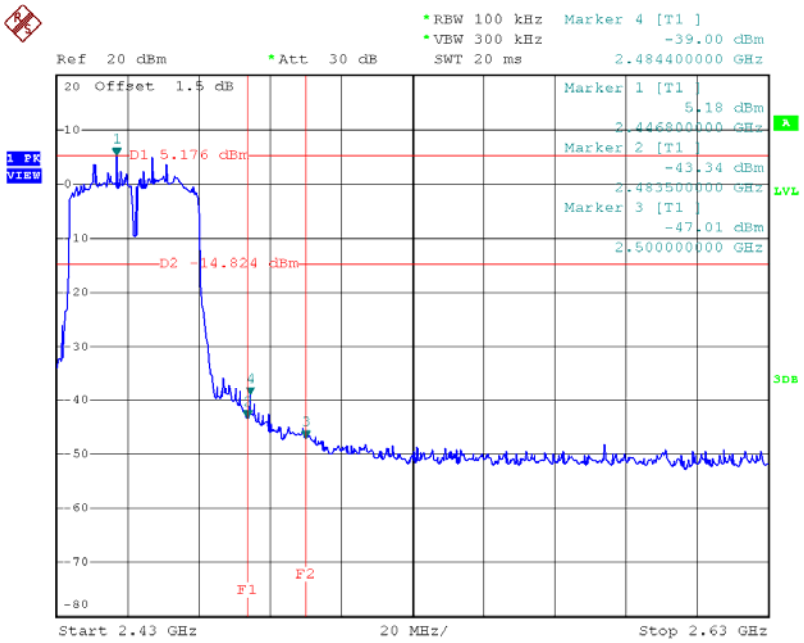
Test Mode :	TX N-40M Mode_ANT 1

TX HT40 mode CH03



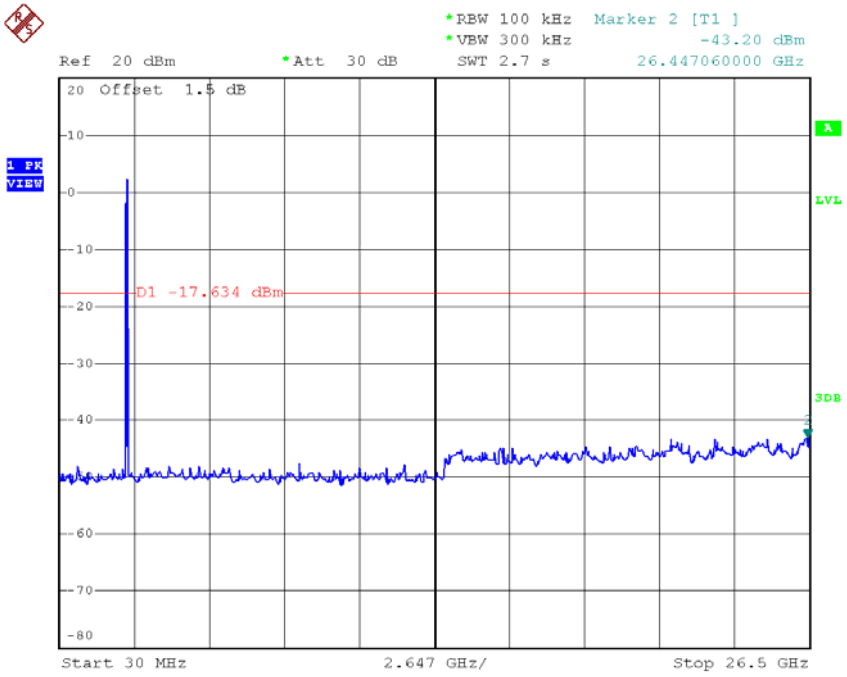
Date: 25.MAY.2016 21:40:19

TX HT40 mode CH09



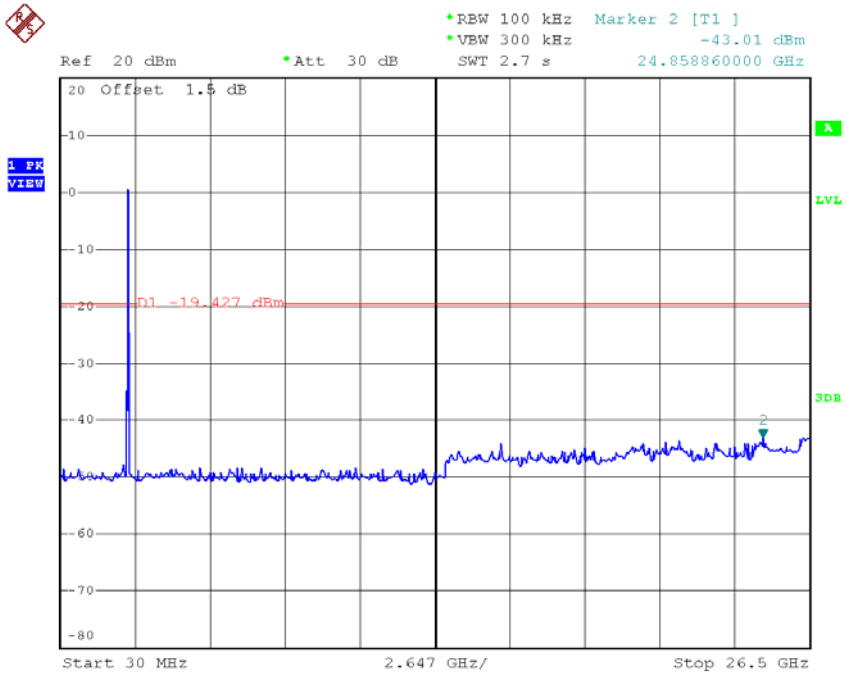
Date: 25.MAY.2016 21:46:00

TX HT40 mode CH03 (10 Harmonic of the frequency)



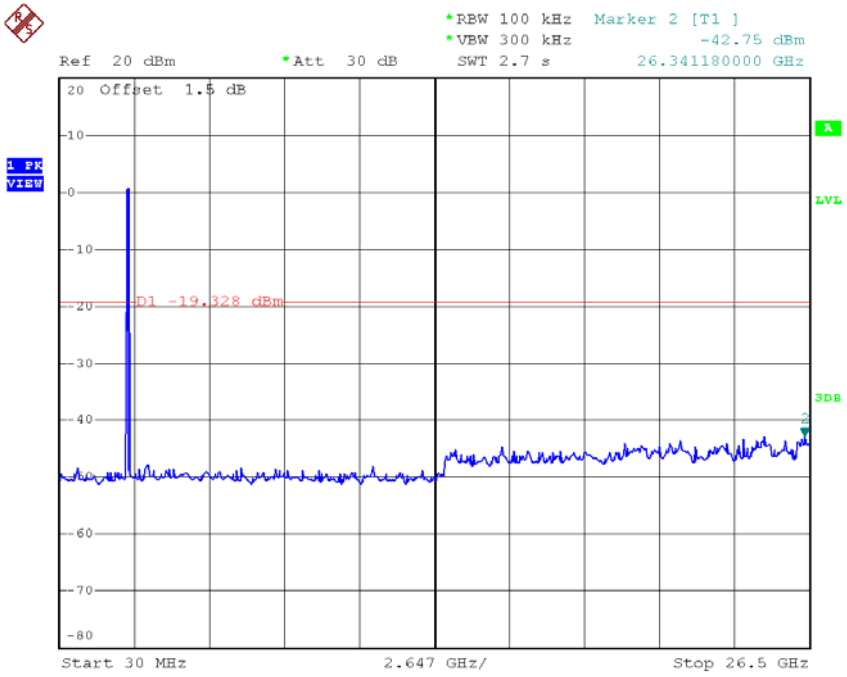
Date: 25.MAY.2016 21:40:11

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:44:55

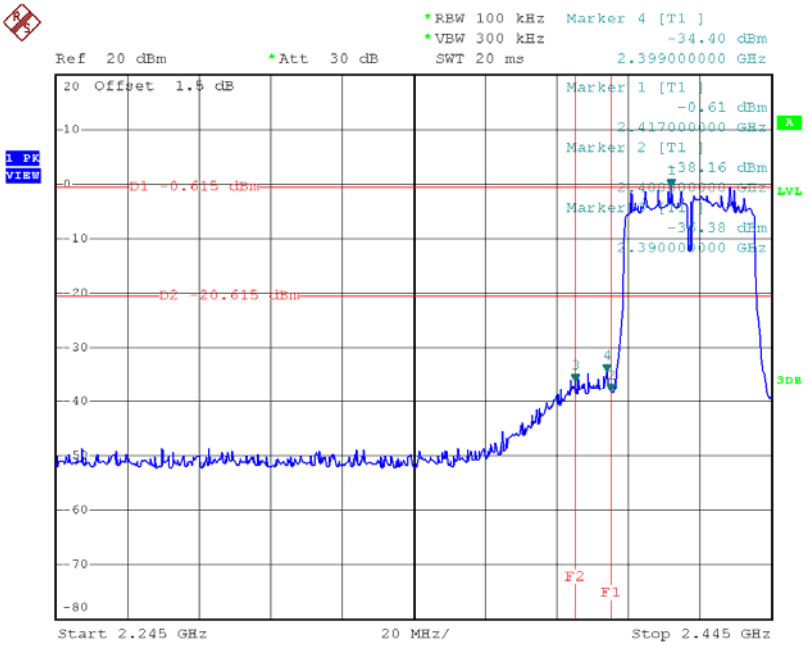
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:45:52

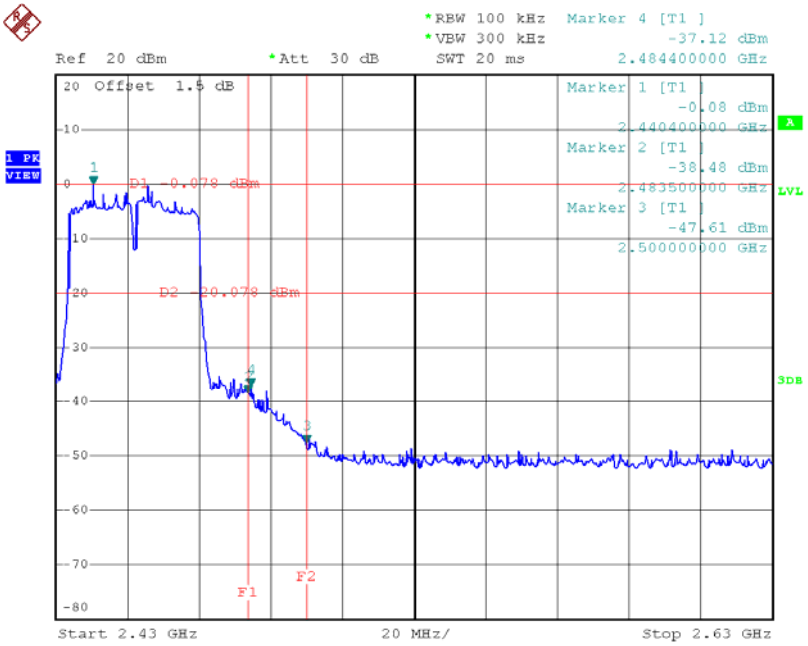
Test Mode :	TX N-40M Mode_ANT 2

TX HT40 mode CH03



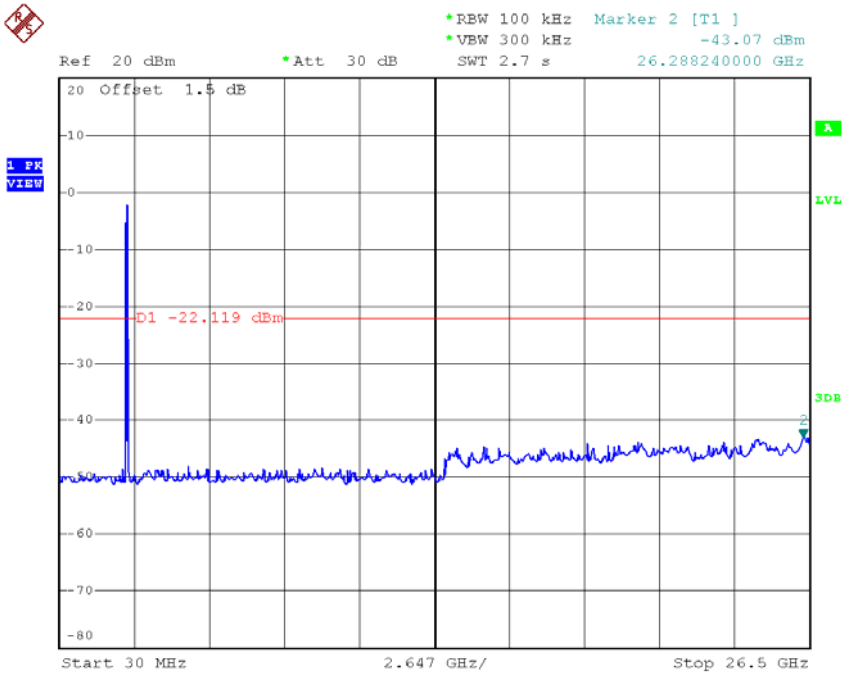
Date: 27.MAY.2016 19:47:17

TX HT40 mode CH09



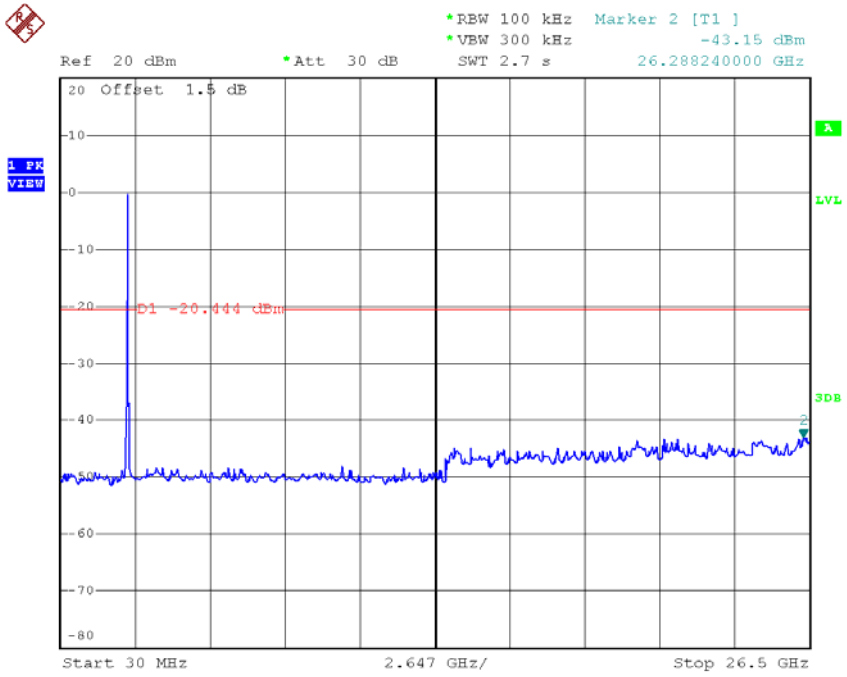
Date: 27.MAY.2016 19:50:09

TX HT40 mode CH03 (10 Harmonic of the frequency)



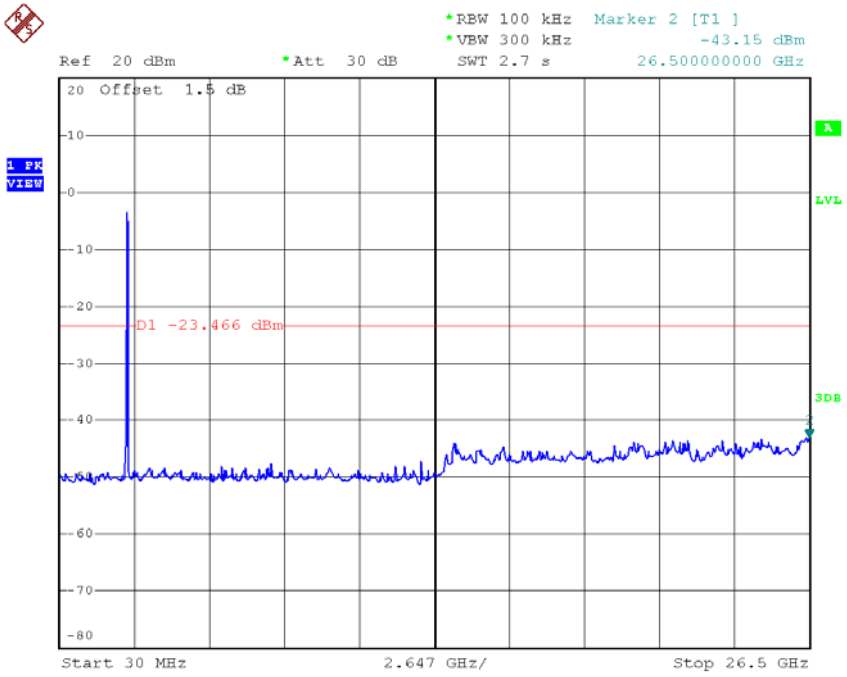
Date: 27.MAY.2016 19:47:09

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:49:06

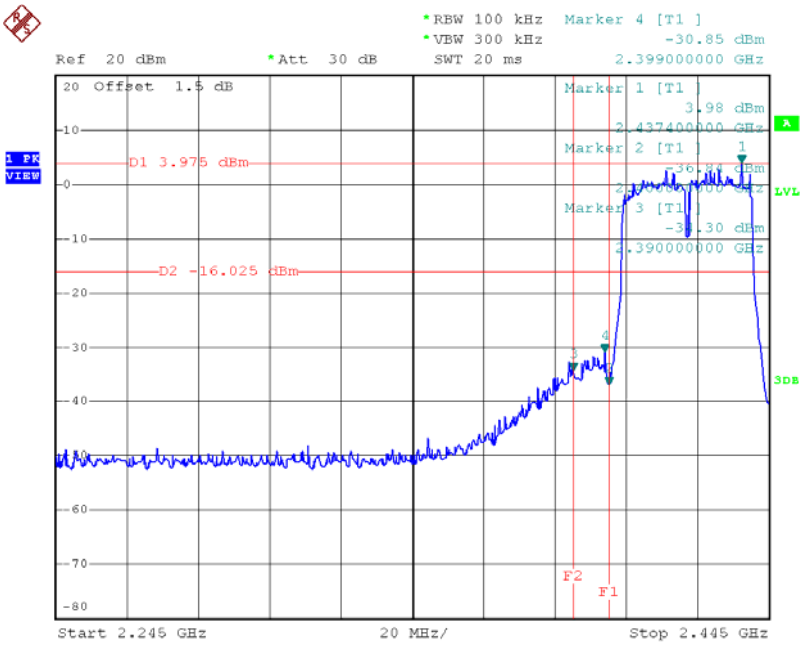
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:50:01

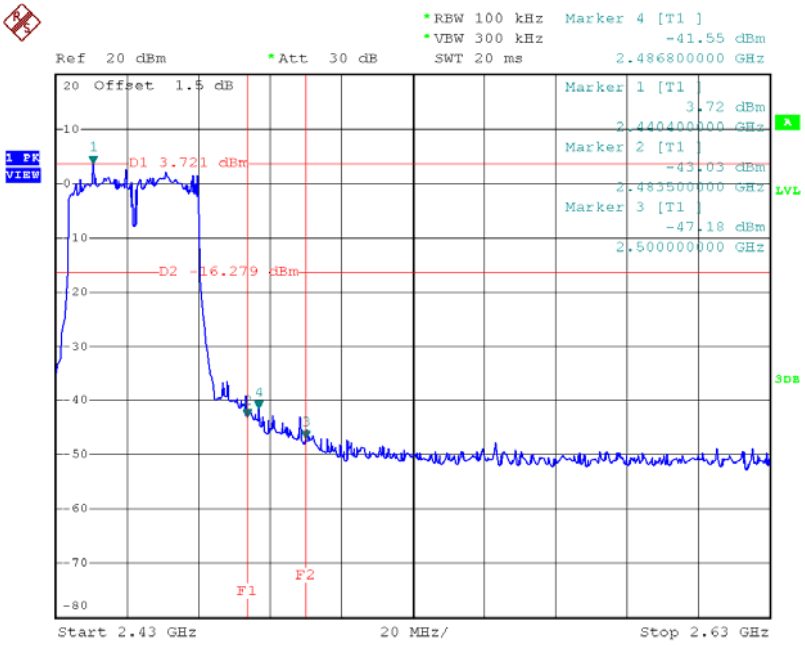
Test Mode :	TX N-40M Mode_ANT 3

TX HT40 mode CH03



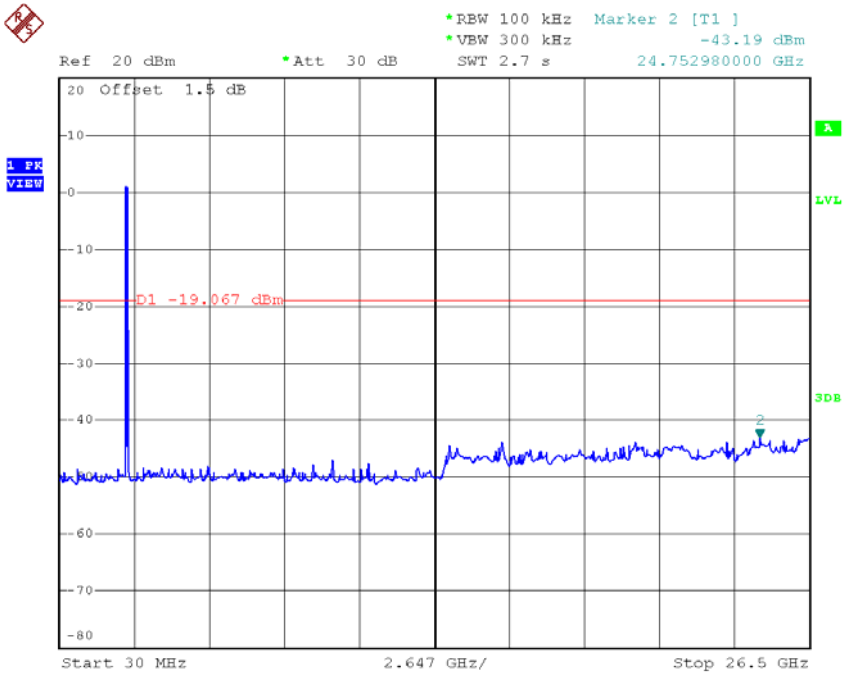
Date: 27.MAY.2016 20:26:43

TX HT40 mode CH09



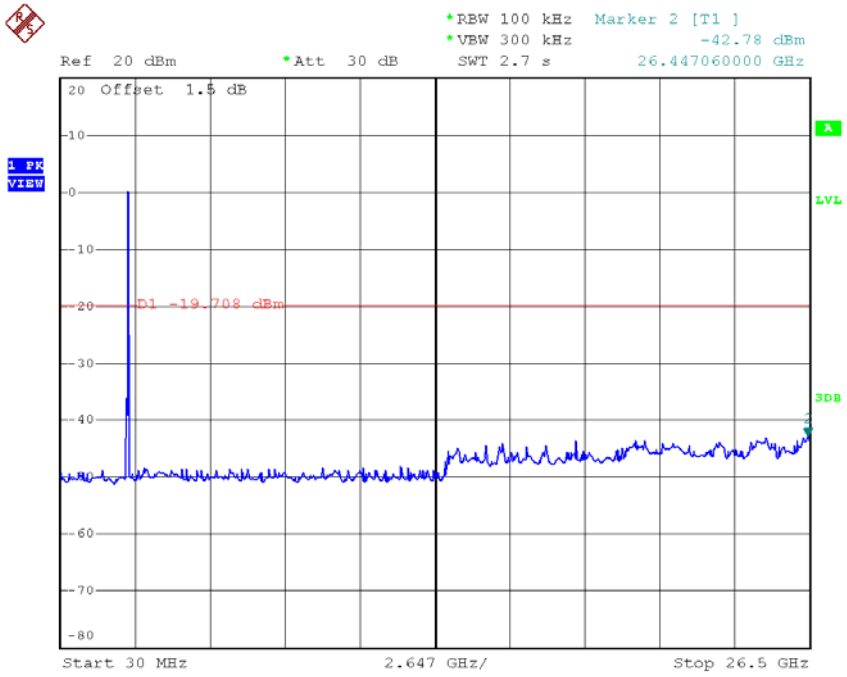
Date: 27.MAY.2016 20:32:04

TX HT40 mode CH03 (10 Harmonic of the frequency)



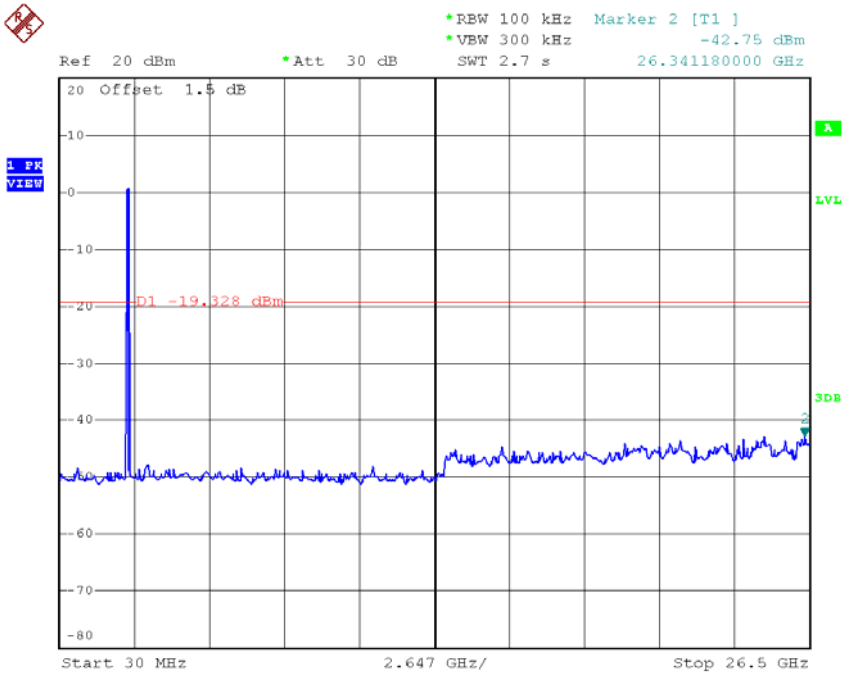
Date: 27.MAY.2016 20:26:35

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:30:55

TX HT40 mode CH09 (10 Harmonic of the frequency)

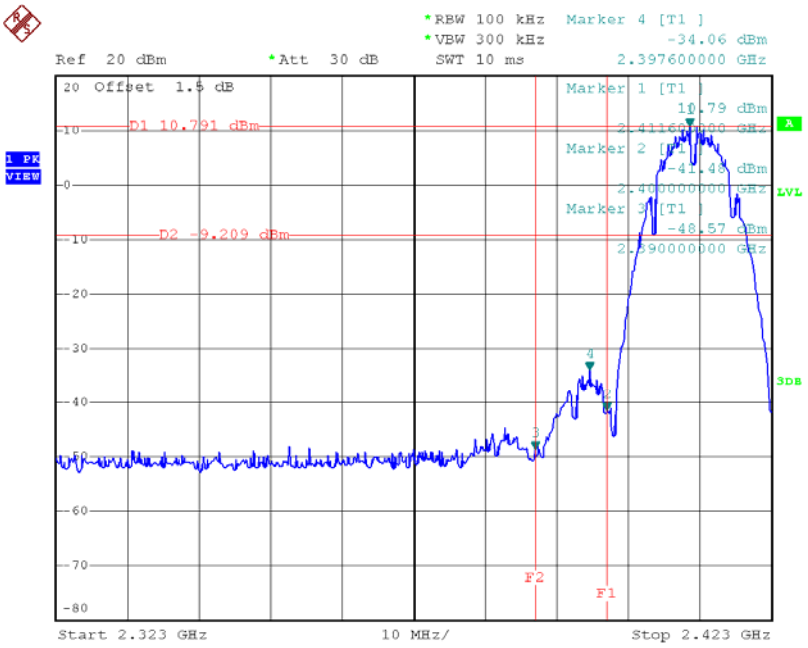


Date: 25.MAY.2016 21:45:52

For 4T4R

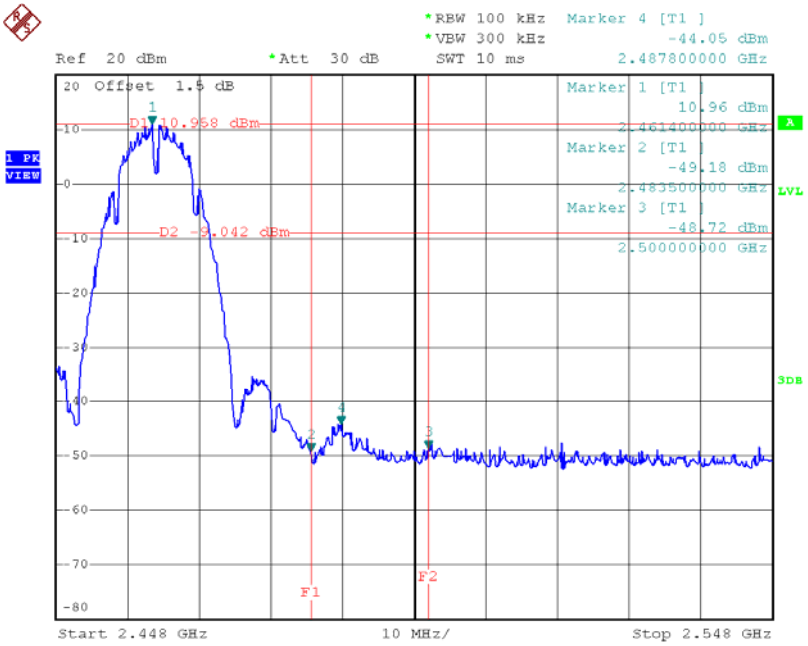
Test Mode :	TX B Mode_ANT 1

TX B mode CH01



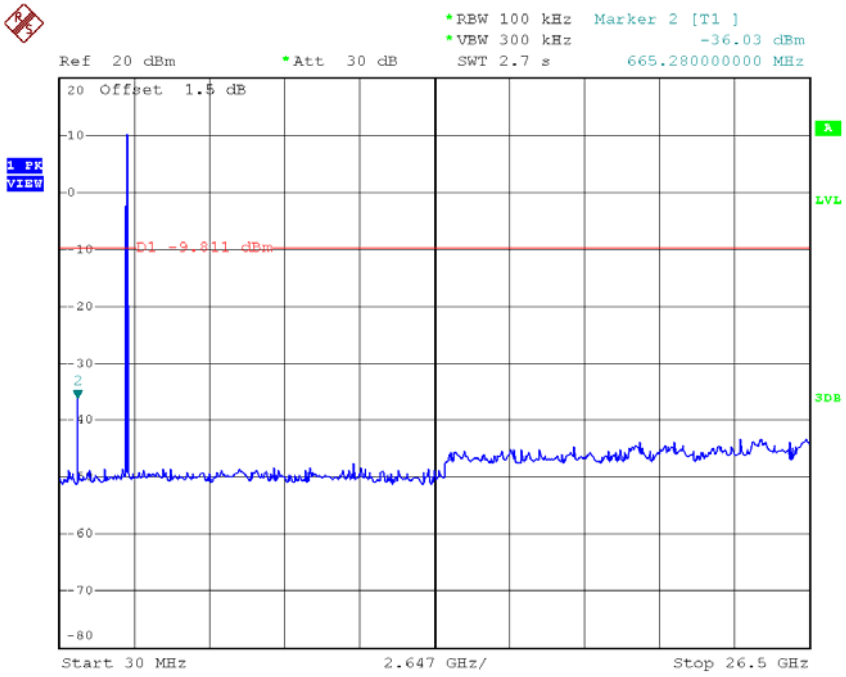
Date: 25.MAY.2016 21:19:52

TX B mode CH11



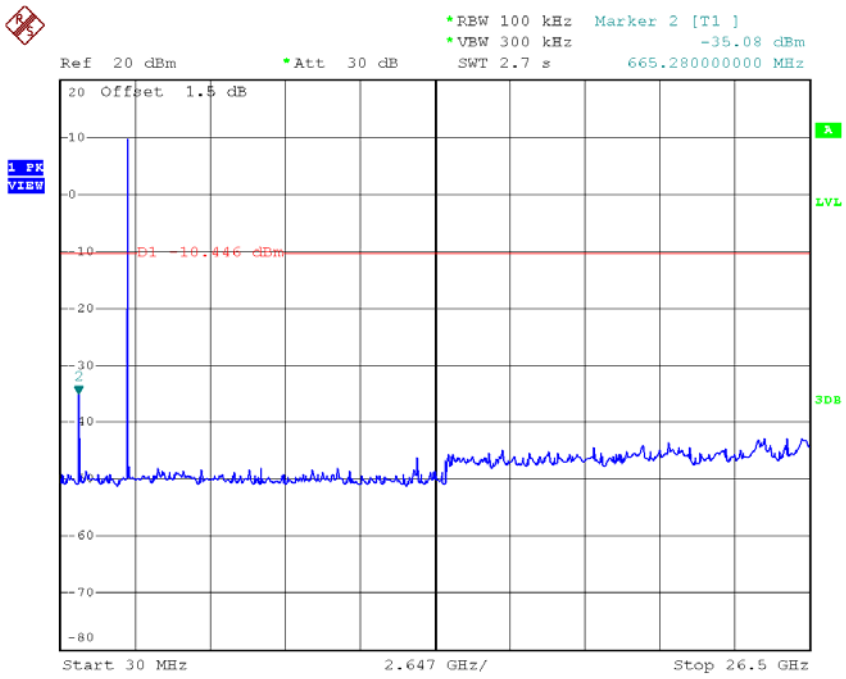
Date: 25.MAY.2016 21:27:52

TX B mode CH01 (10 Harmonic of the frequency)



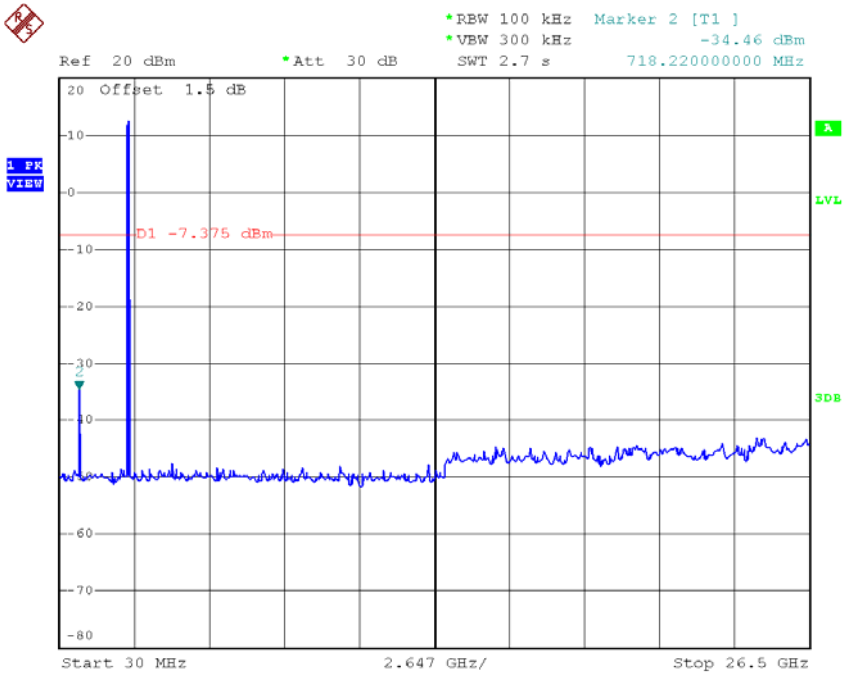
Date: 25.MAY.2016 21:19:45

TX B mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:23:42

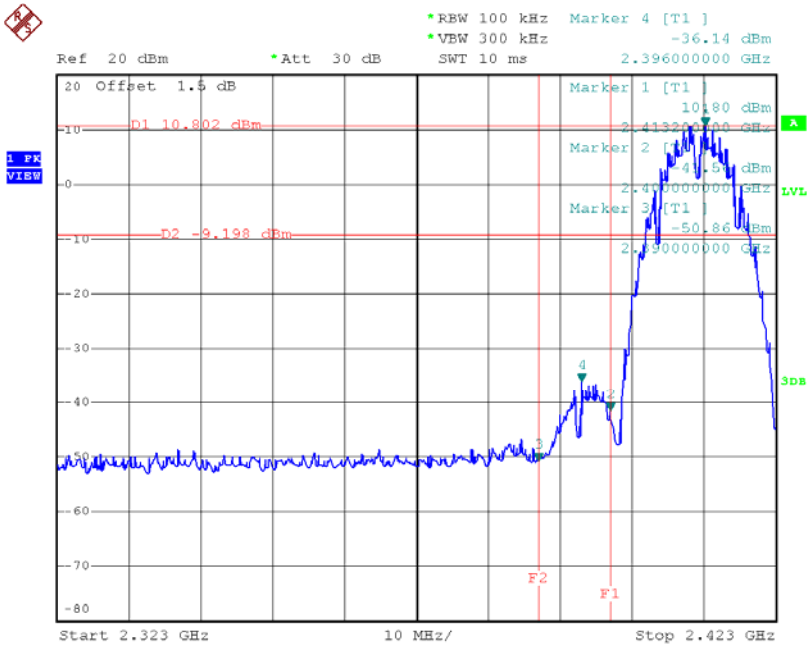
TX B mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:27:44

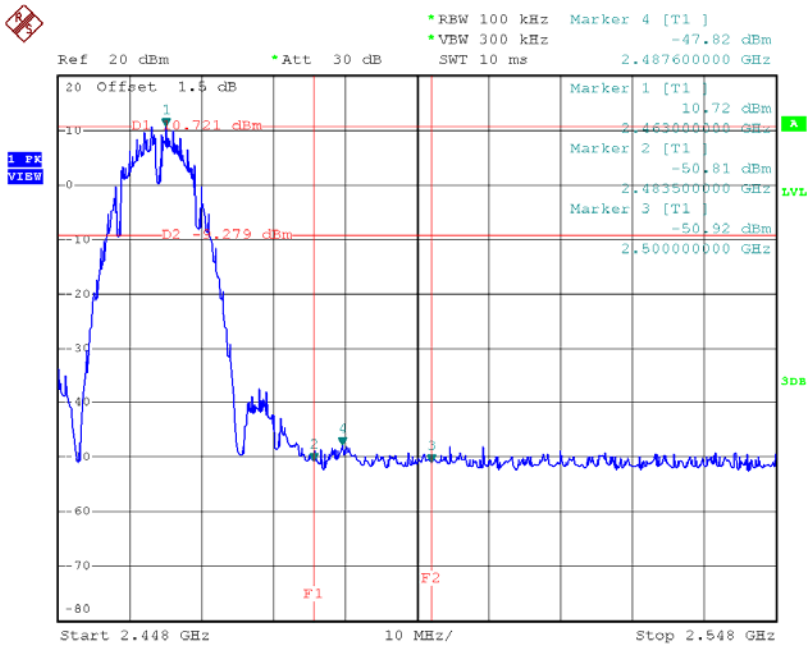
Test Mode :	TX B Mode_ANT 2

TX B mode CH01



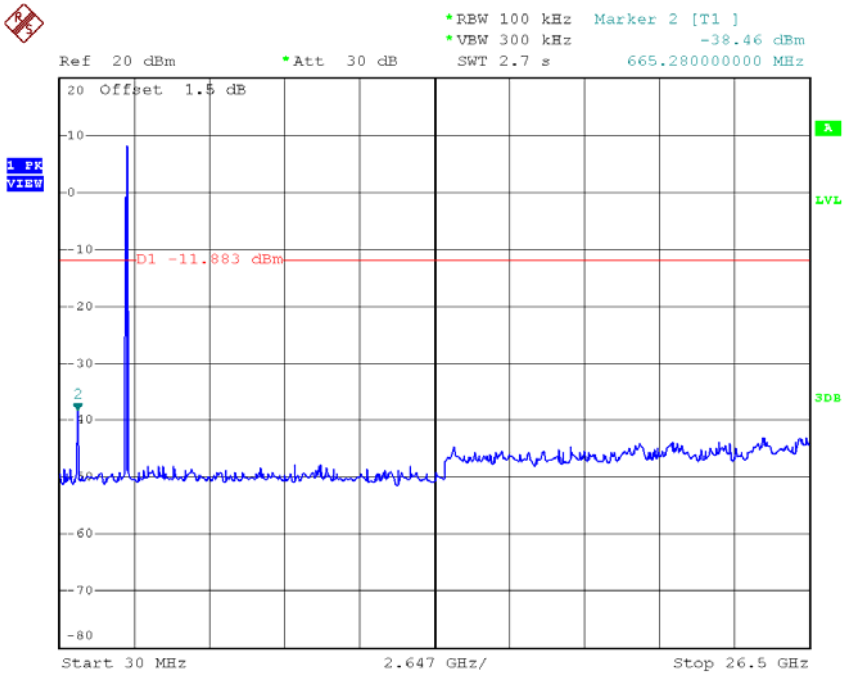
Date: 25.MAY.2016 21:48:46

TX B mode CH11



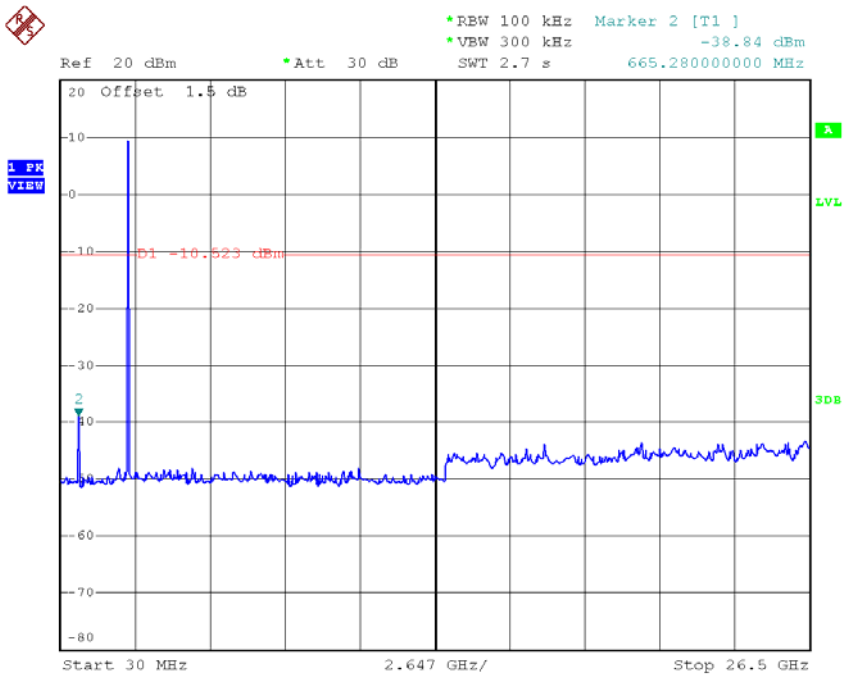
Date: 25.MAY.2016 21:52:38

TX B mode CH01 (10 Harmonic of the frequency)



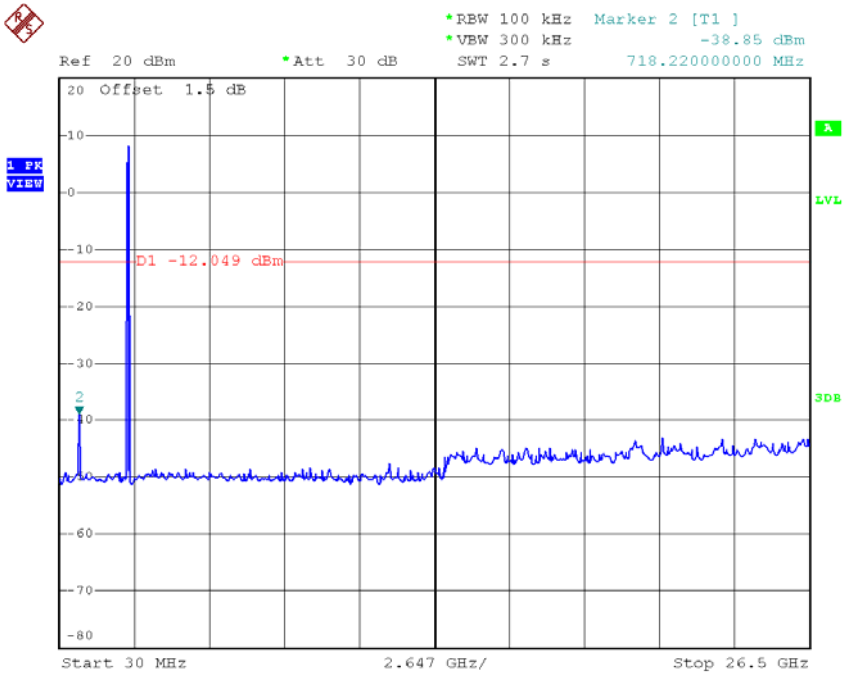
Date: 25.MAY.2016 21:48:39

TX B mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:49:55

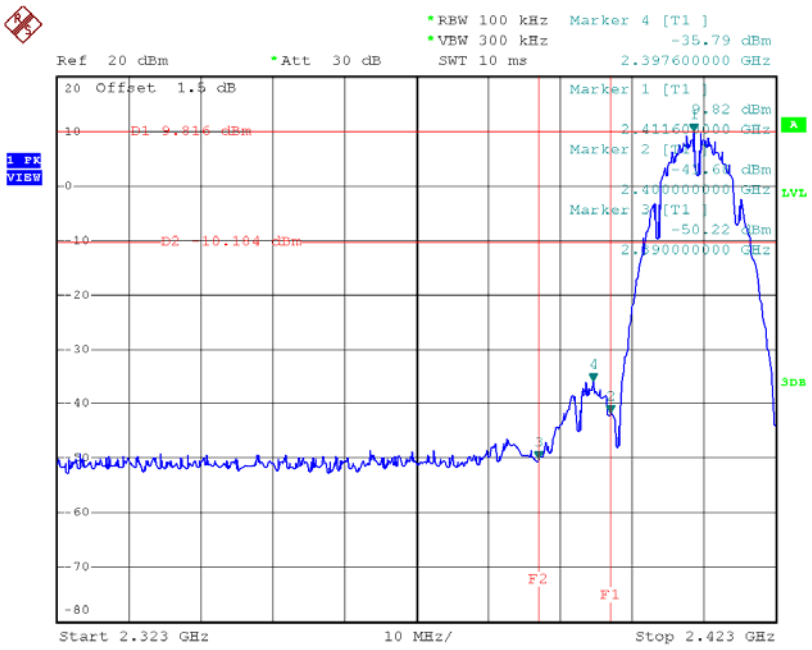
TX B mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:52:30

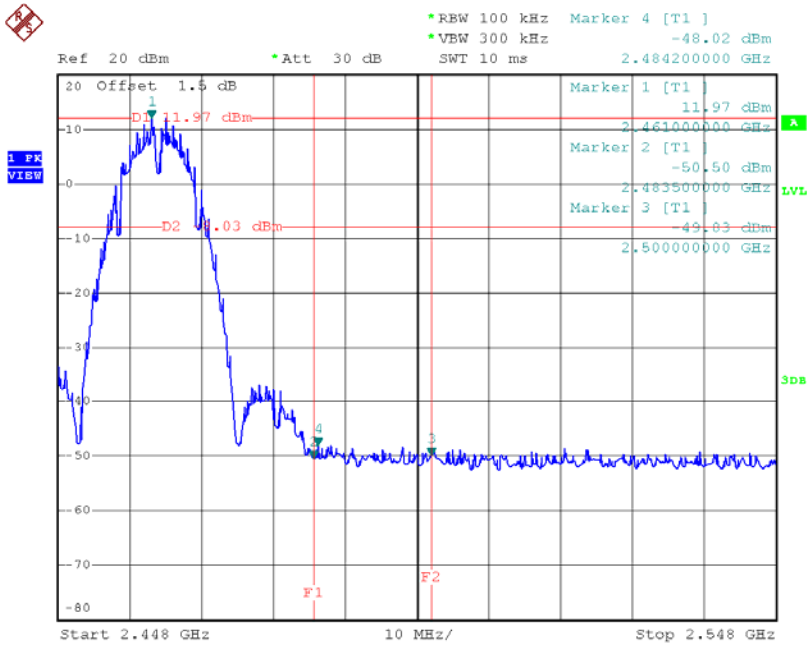
Test Mode :	TX B Mode_ANT 3

TX B mode CH01



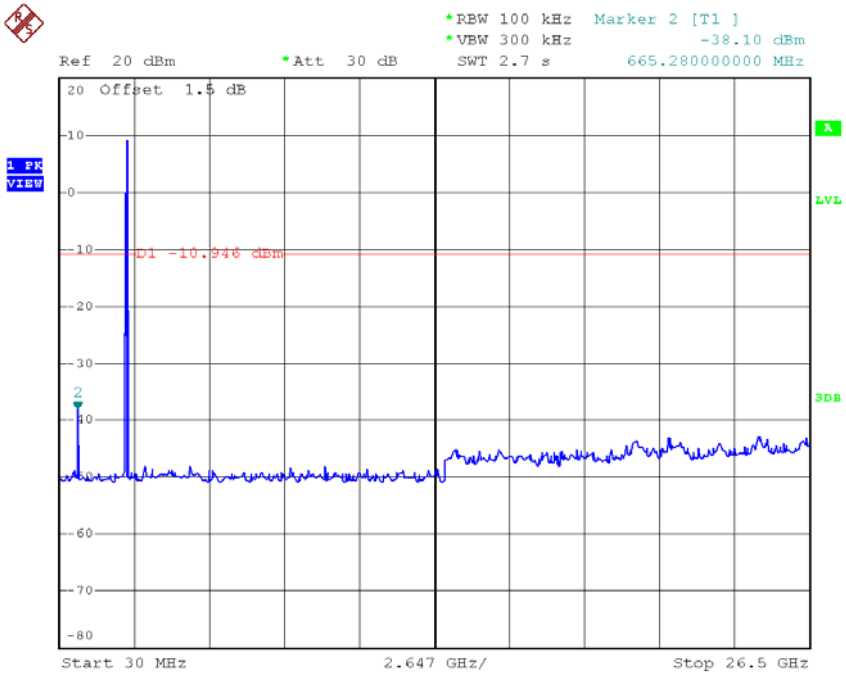
Date: 27.MAY.2016 20:10:21

TX B mode CH11



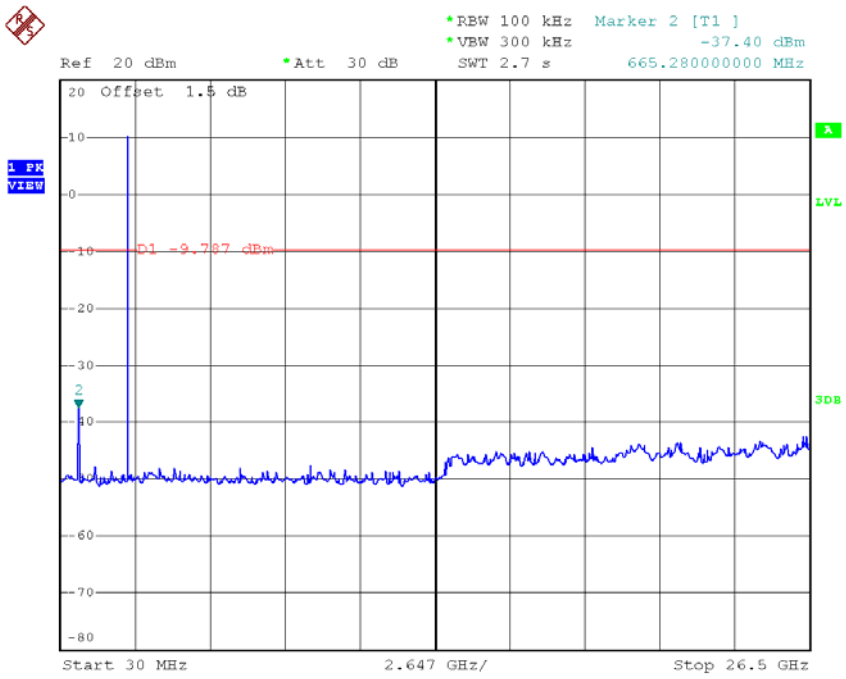
Date: 27.MAY.2016 20:13:36

TX B mode CH01 (10 Harmonic of the frequency)



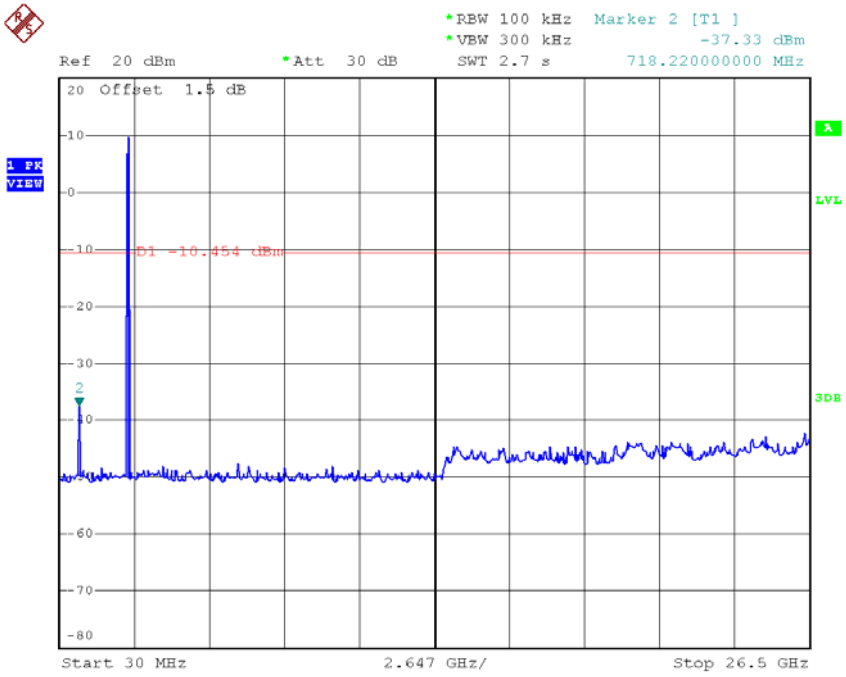
Date: 27.MAY.2016 20:10:13

TX B mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:11:56

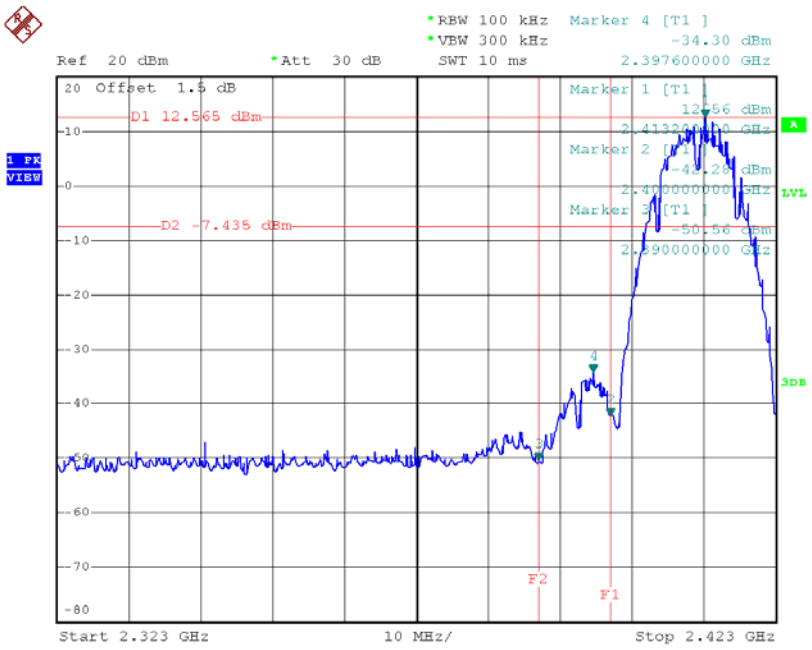
TX B mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:13:28

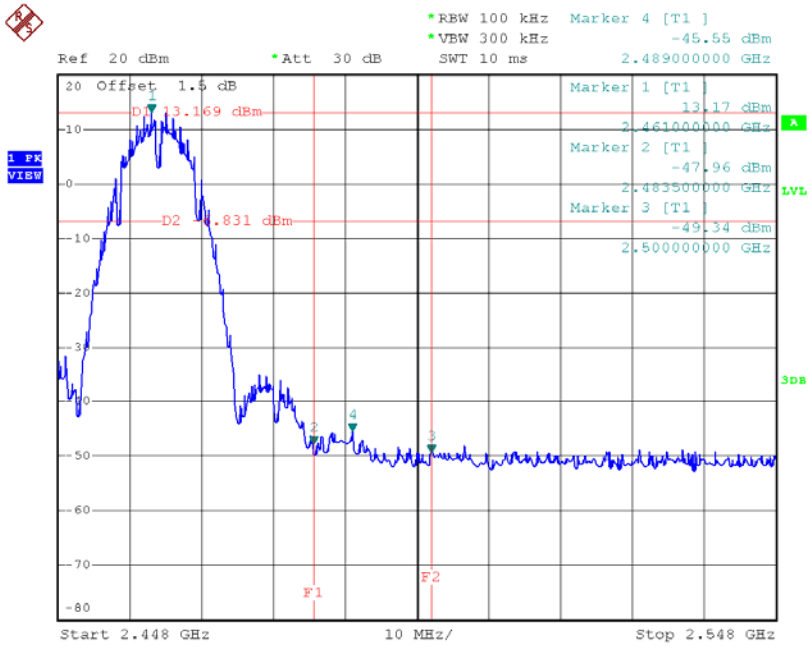
Test Mode :	TX B Mode_ANT 4

TX B mode CH01



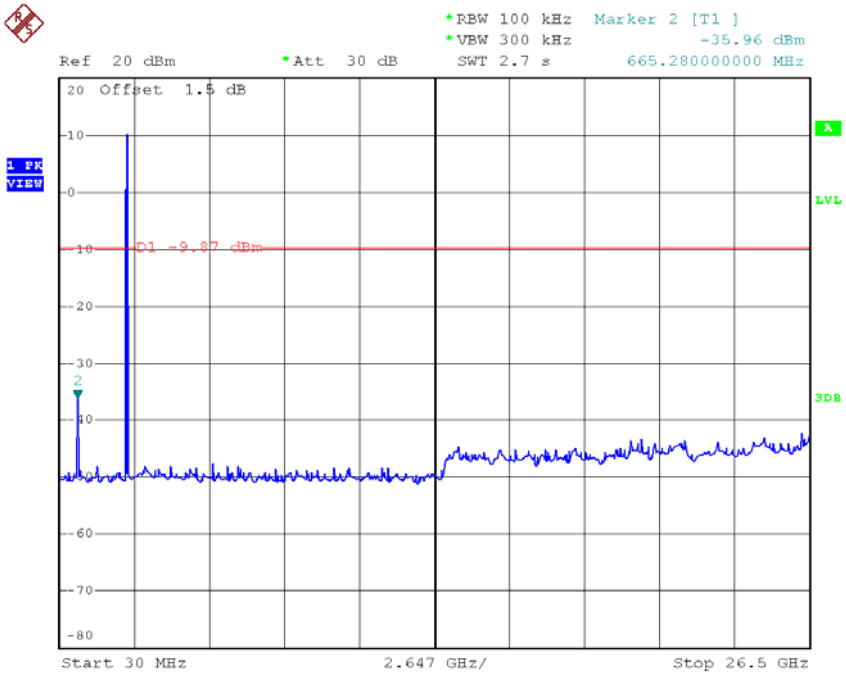
Date: 27.MAY.2016 20:36:31

TX B mode CH11



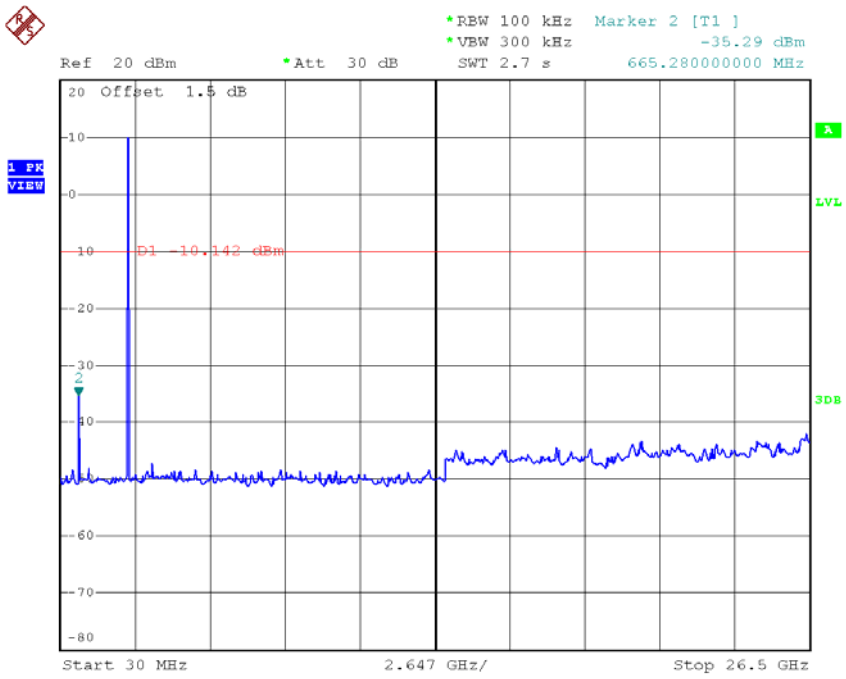
Date: 27.MAY.2016 20:39:09

TX B mode CH01 (10 Harmonic of the frequency)



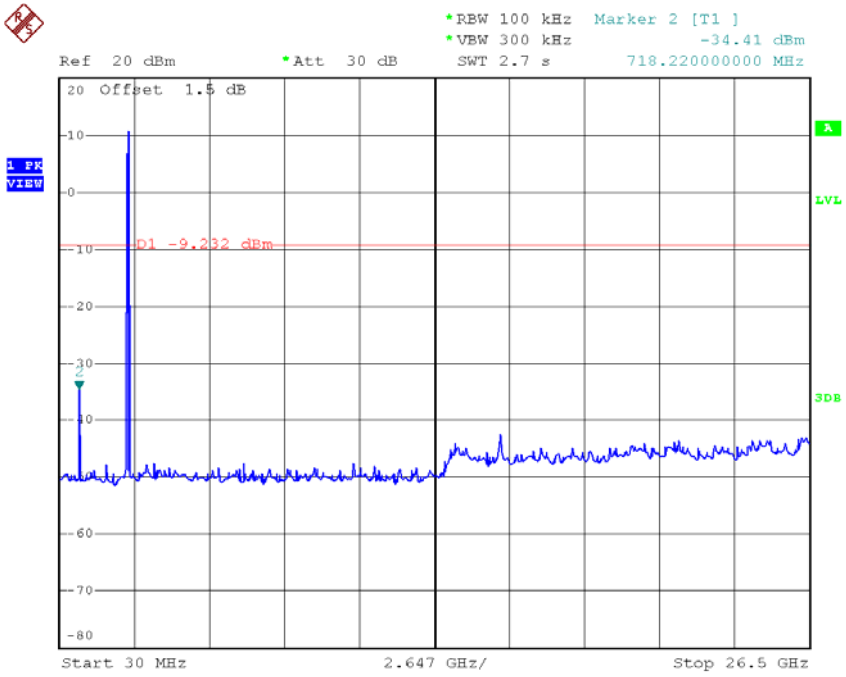
Date: 27.MAY.2016 20:36:23

TX B mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:37:47

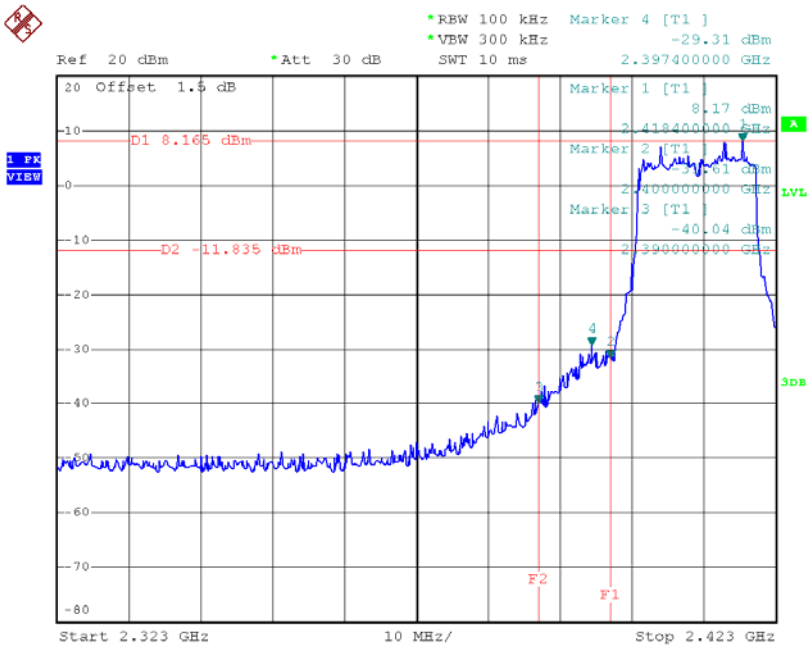
TX B mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:39:02

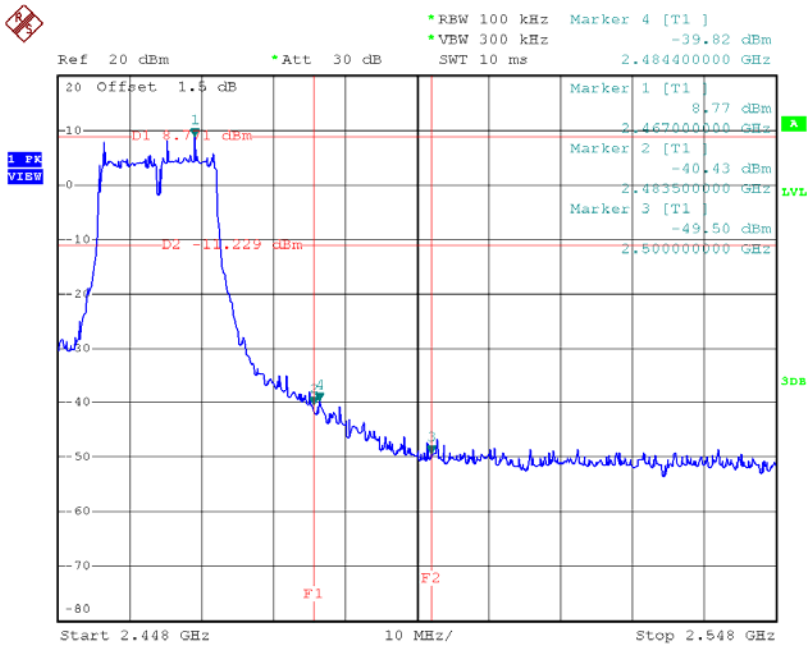
Test Mode :	TX G Mode_ANT 1

TX G mode CH01



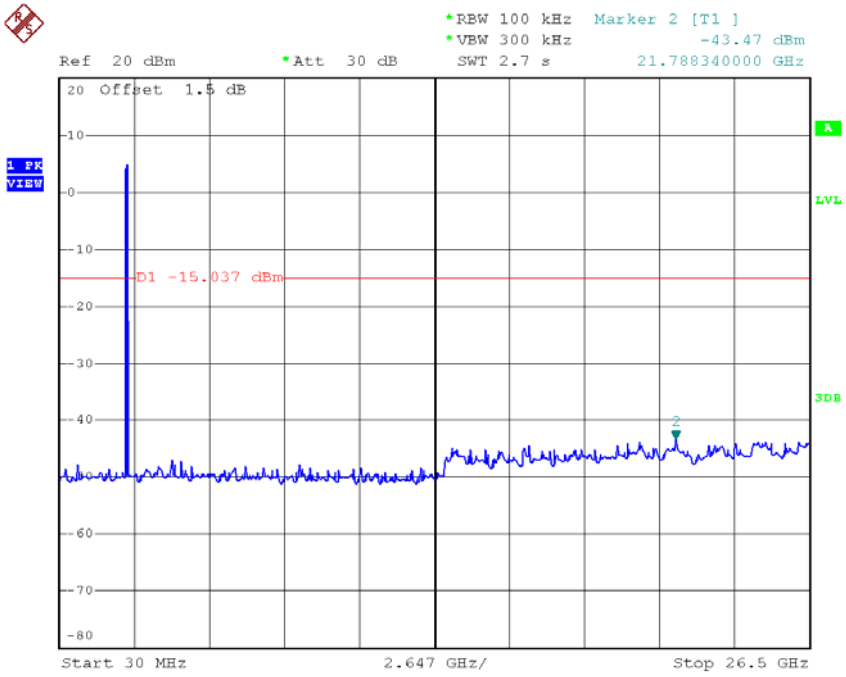
Date: 25.MAY.2016 21:30:52

TX G mode CH11



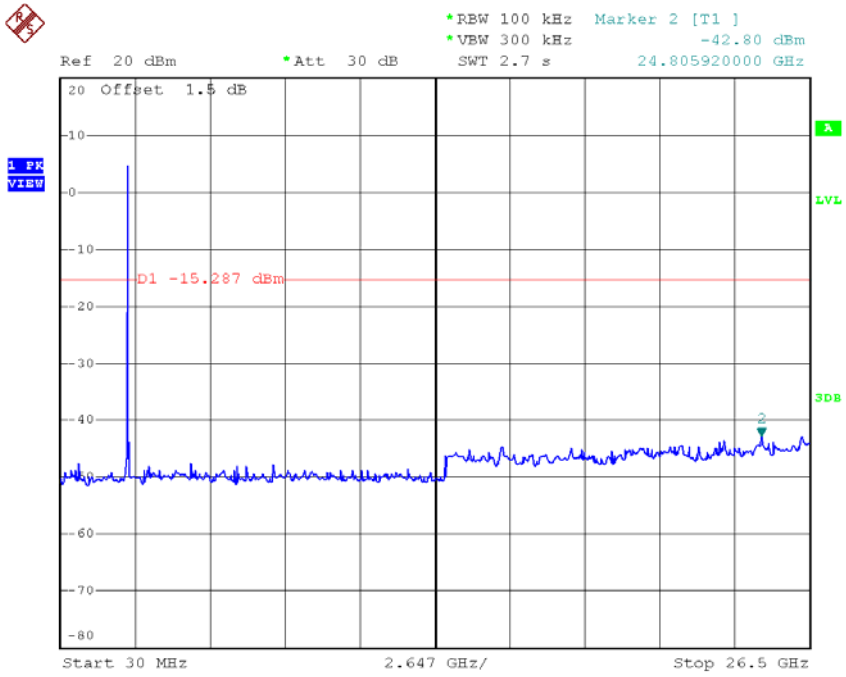
Date: 25.MAY.2016 21:32:59

TX G mode CH01 (10 Harmonic of the frequency)



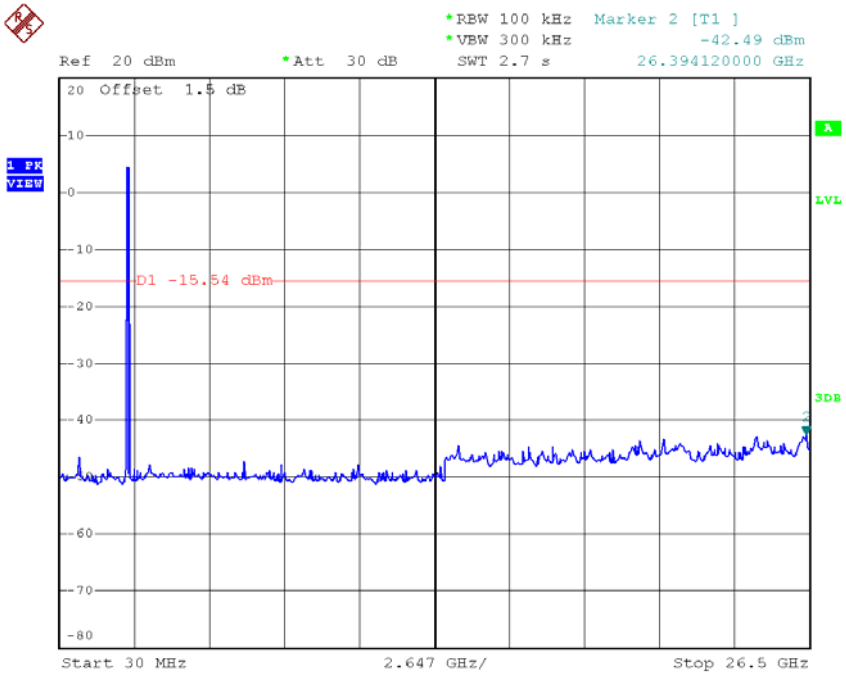
Date: 25.MAY.2016 21:30:44

TX G mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:32:05

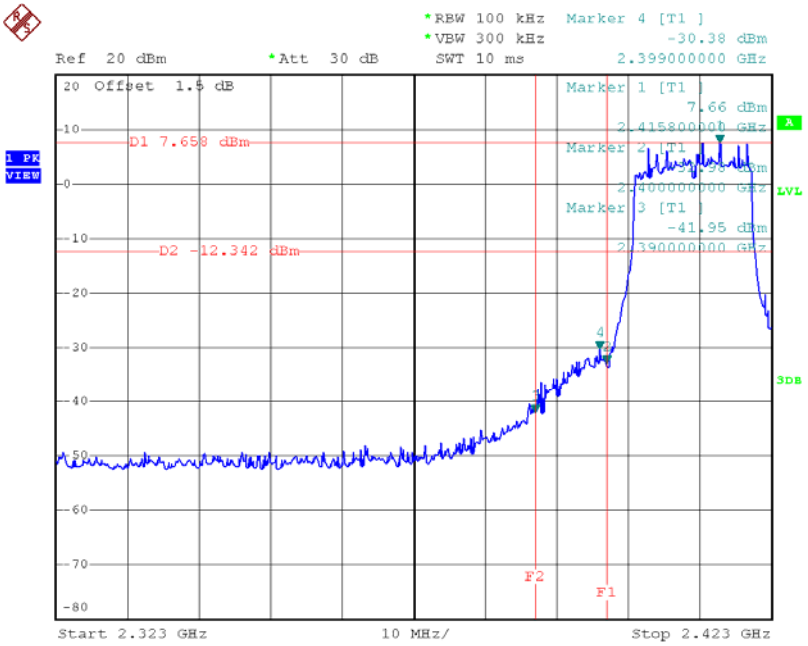
TX G mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:32:52

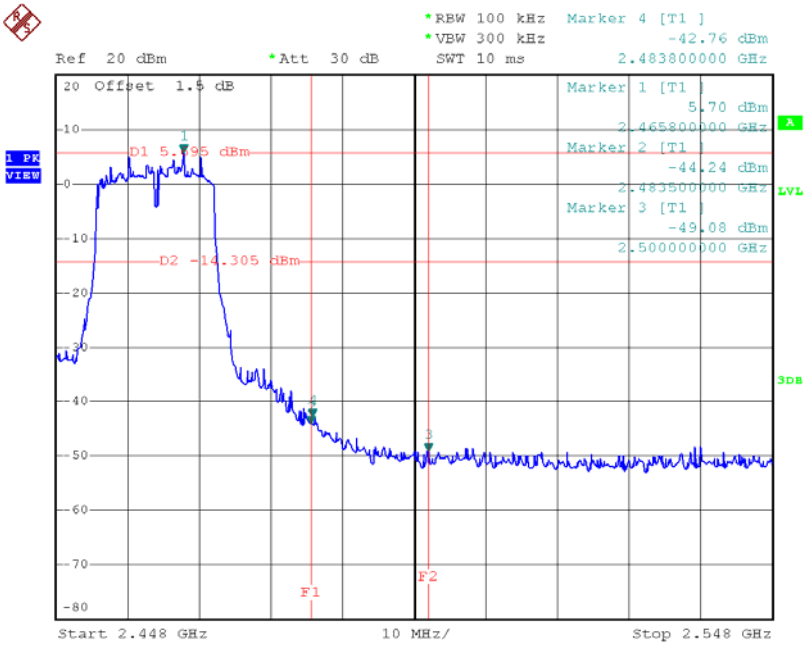
Test Mode :	TX G Mode_ANT 2

TX G mode CH01



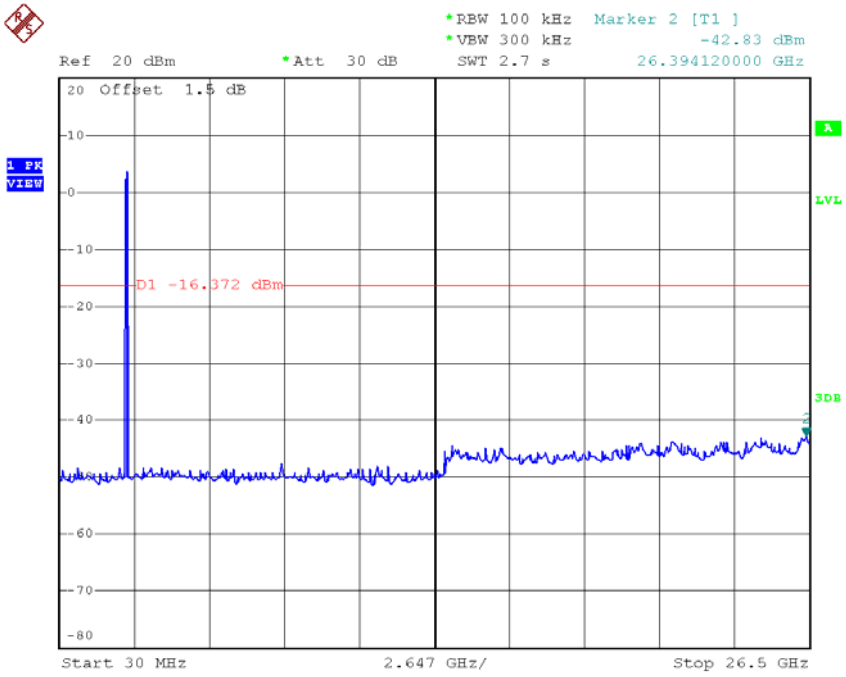
Date: 27.MAY.2016 19:38:35

TX G mode CH11



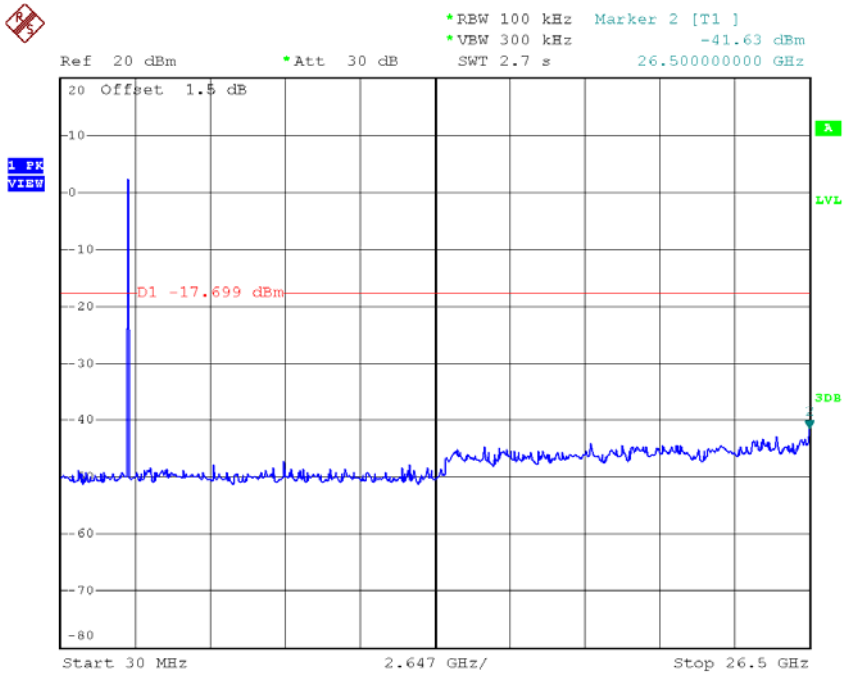
Date: 27.MAY.2016 19:40:48

TX G mode CH01 (10 Harmonic of the frequency)



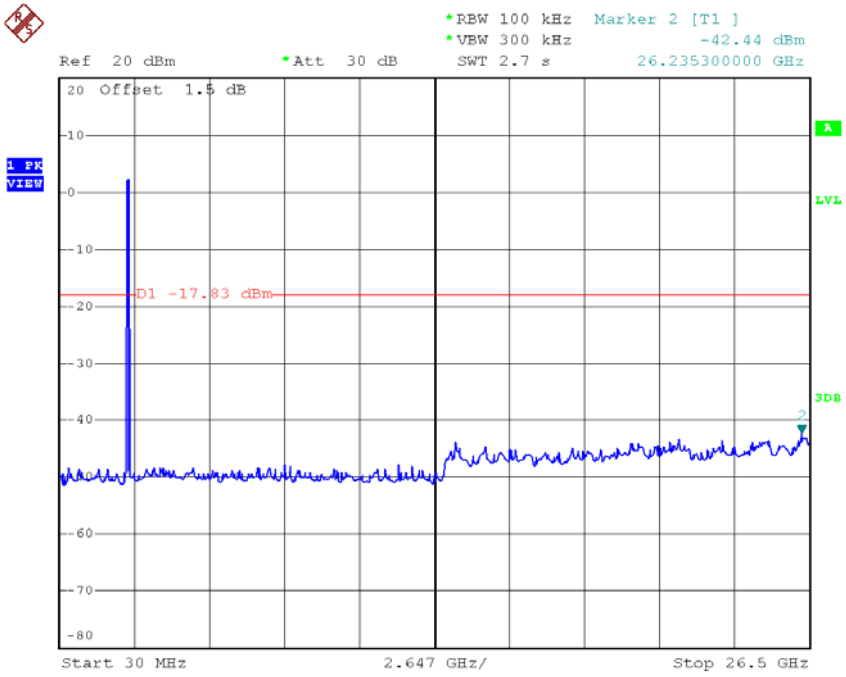
Date: 27.MAY.2016 19:38:27

TX G mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:39:51

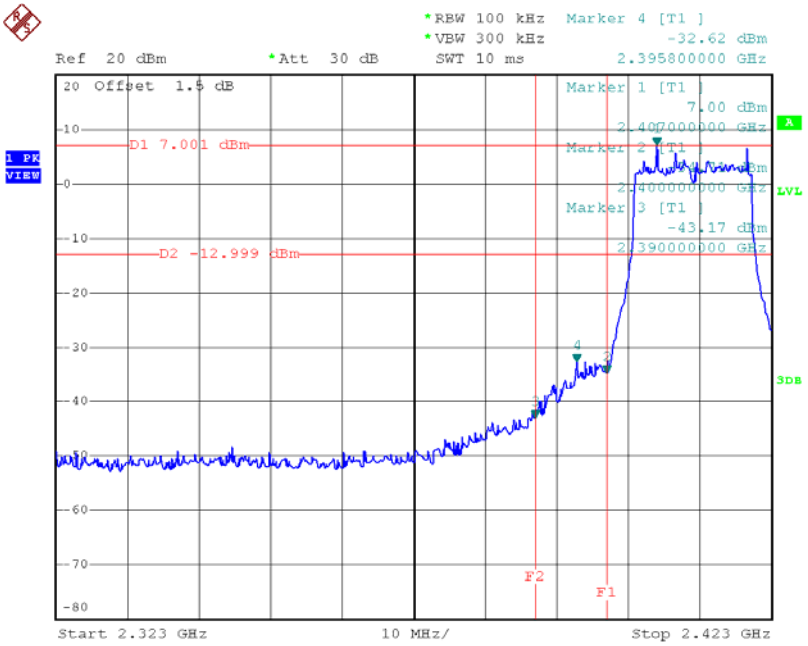
TX G mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:40:40

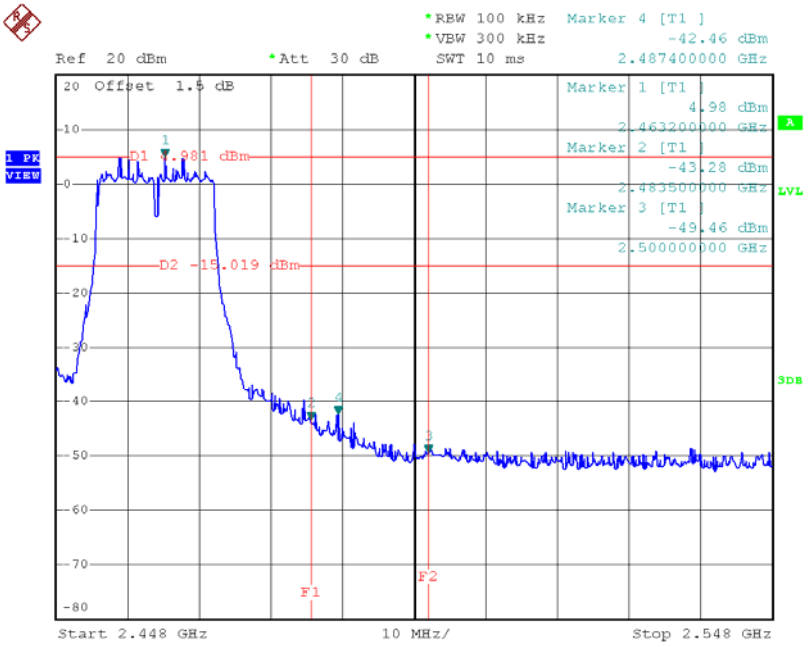
Test Mode :	TX G Mode_ANT 3

TX G mode CH01



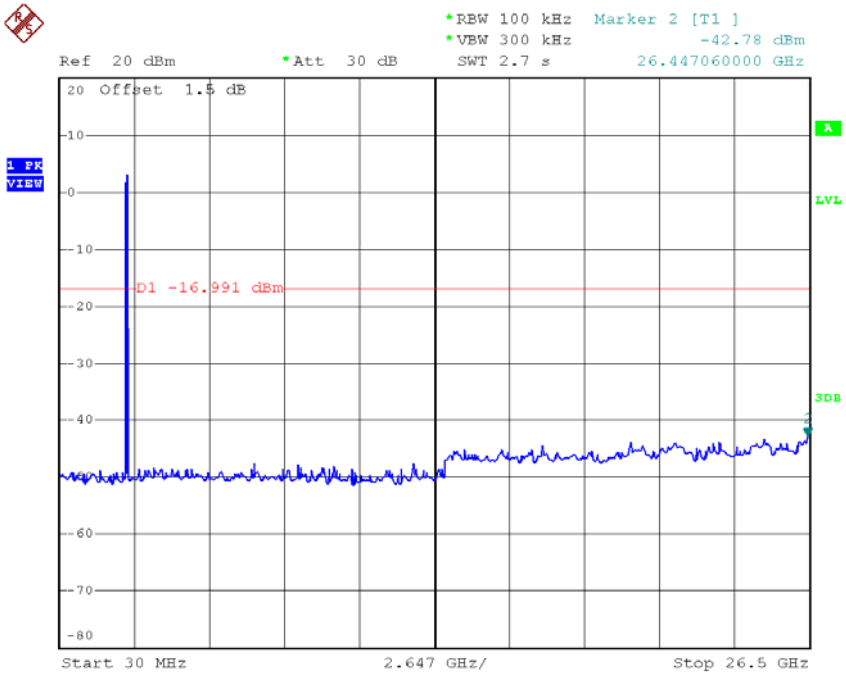
Date: 27.MAY.2016 20:15:38

TX G mode CH11



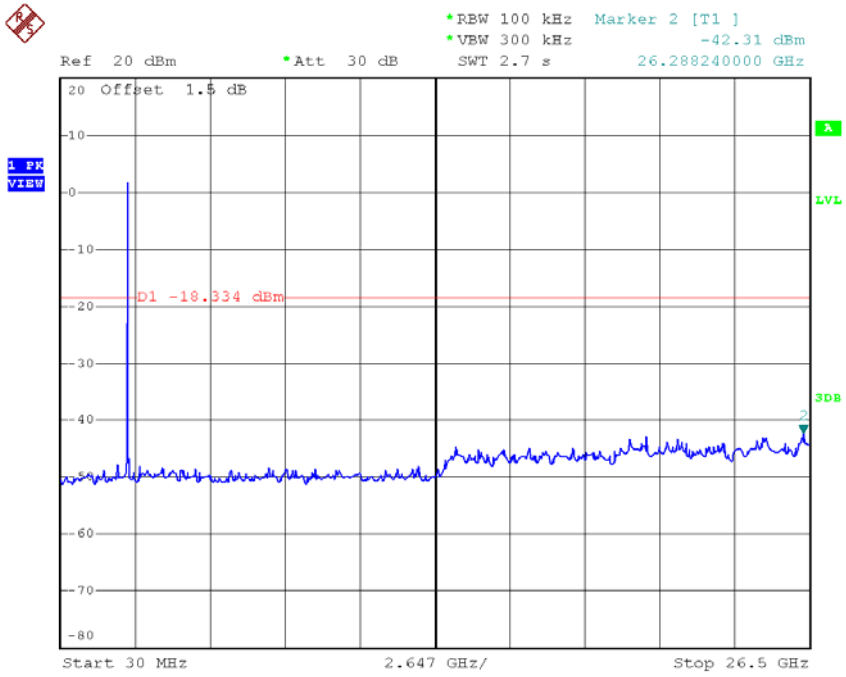
Date: 27.MAY.2016 20:17:59

TX G mode CH01 (10 Harmonic of the frequency)



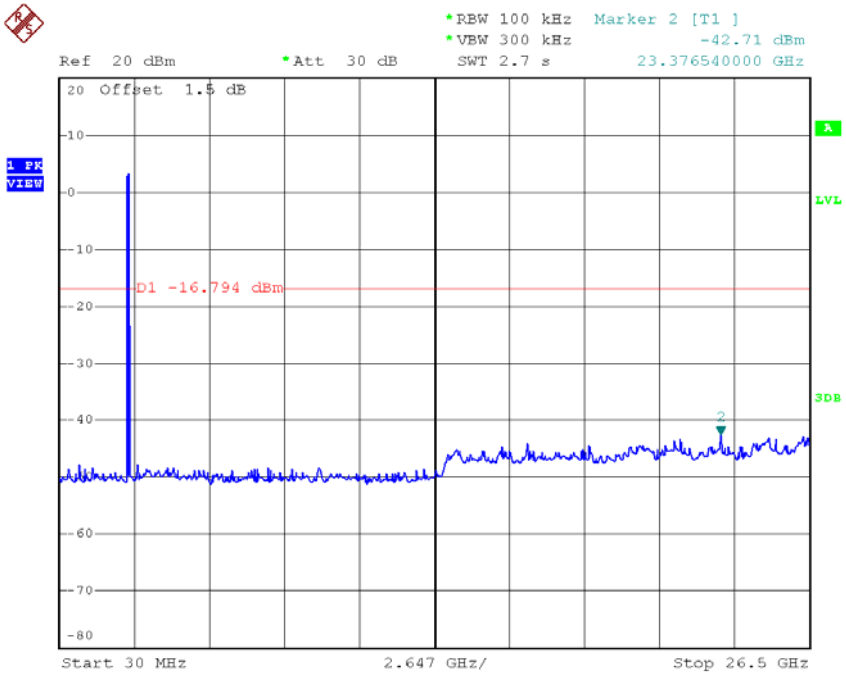
Date: 27.MAY.2016 20:15:30

TX G mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:16:40

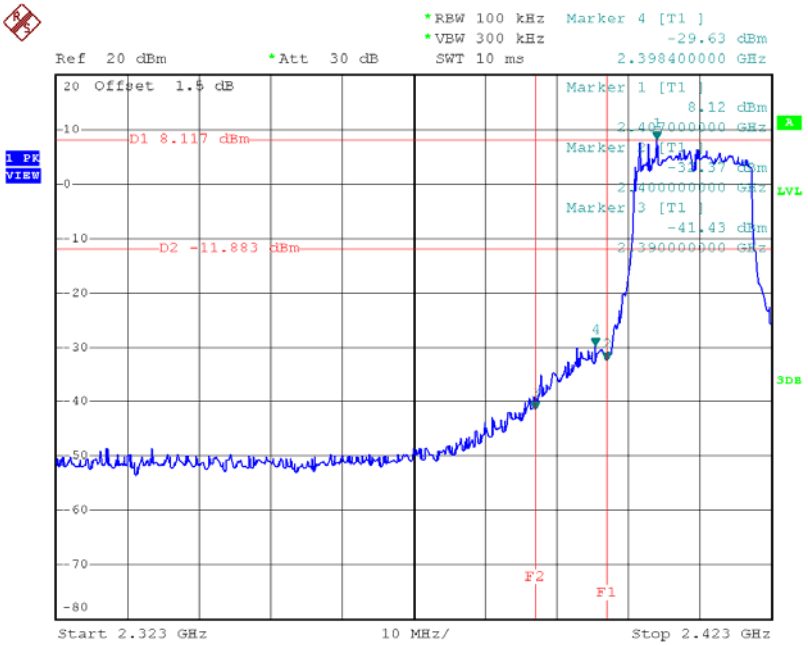
TX G mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:17:51

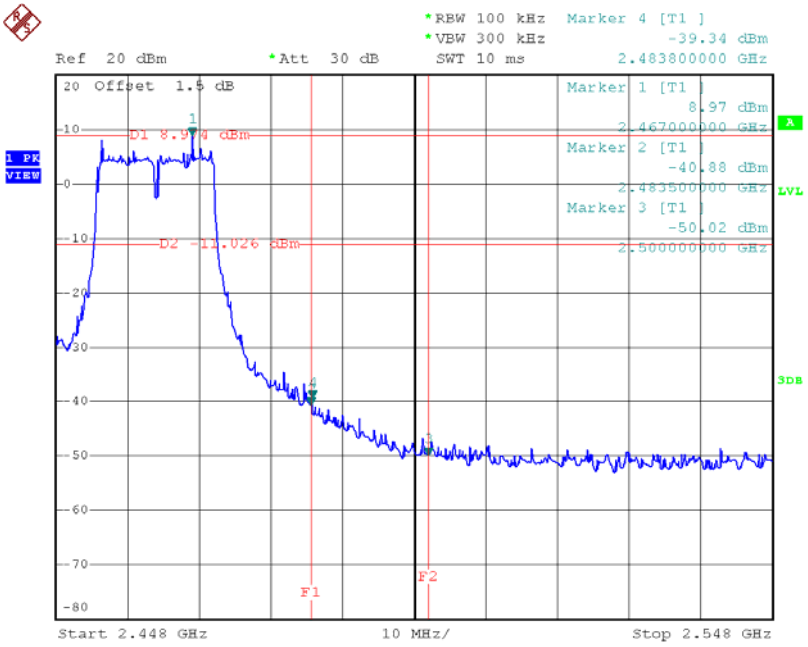
Test Mode :	TX G Mode_ANT 4

TX G mode CH01



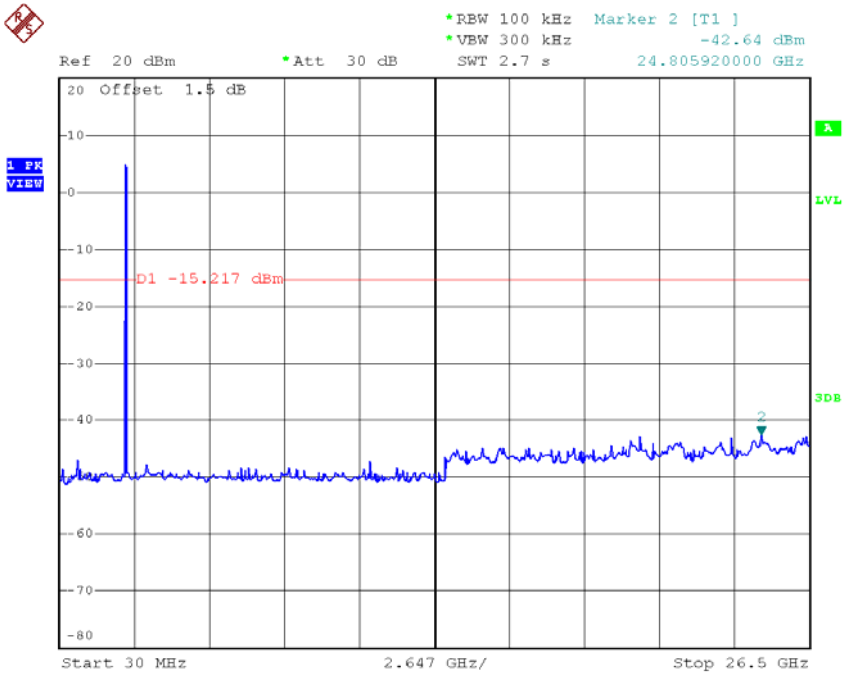
Date: 27.MAY.2016 20:41:02

TX G mode CH11



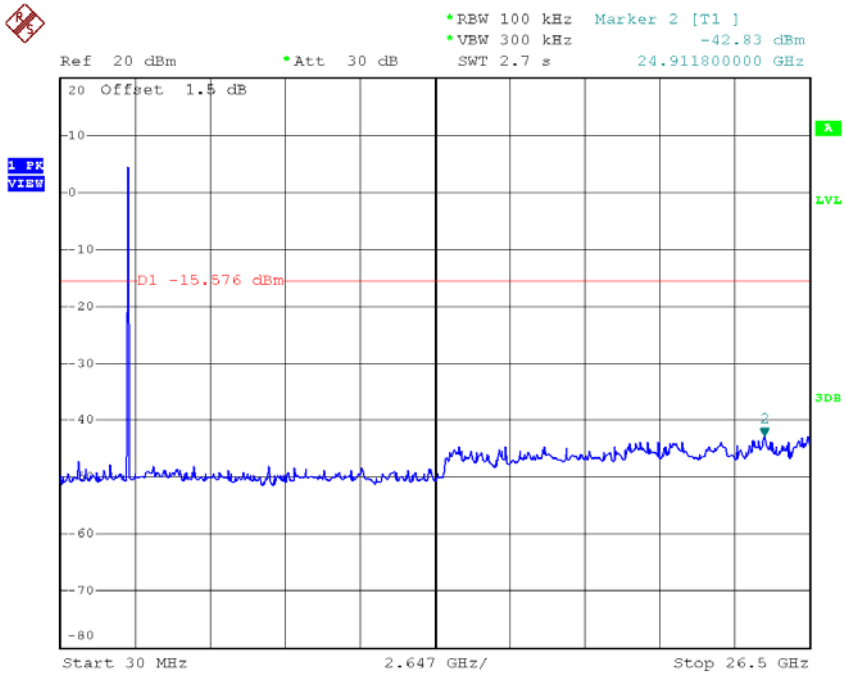
Date: 27.MAY.2016 20:43:01

TX G mode CH01 (10 Harmonic of the frequency)



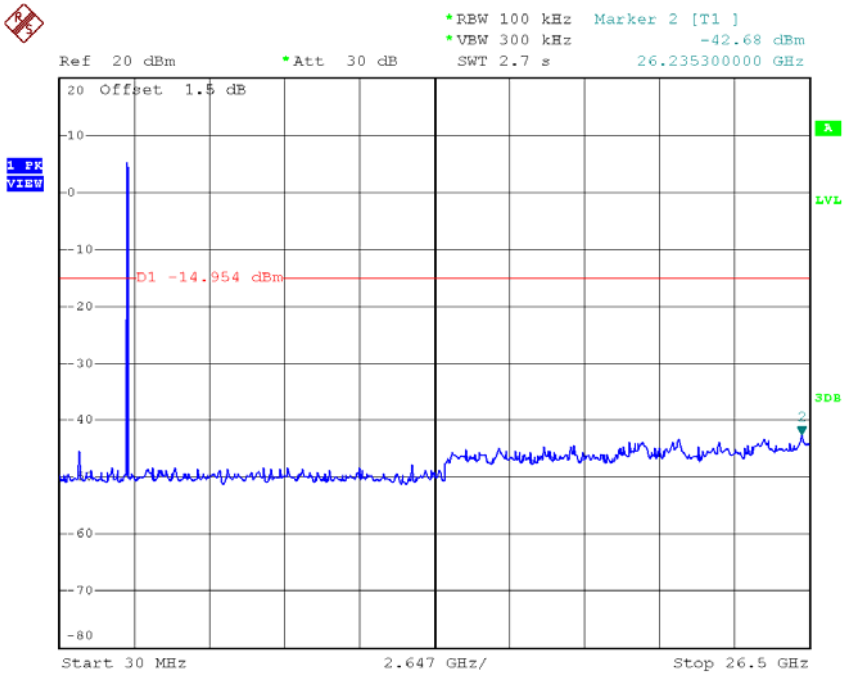
Date: 27.MAY.2016 20:40:54

TX G mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:41:56

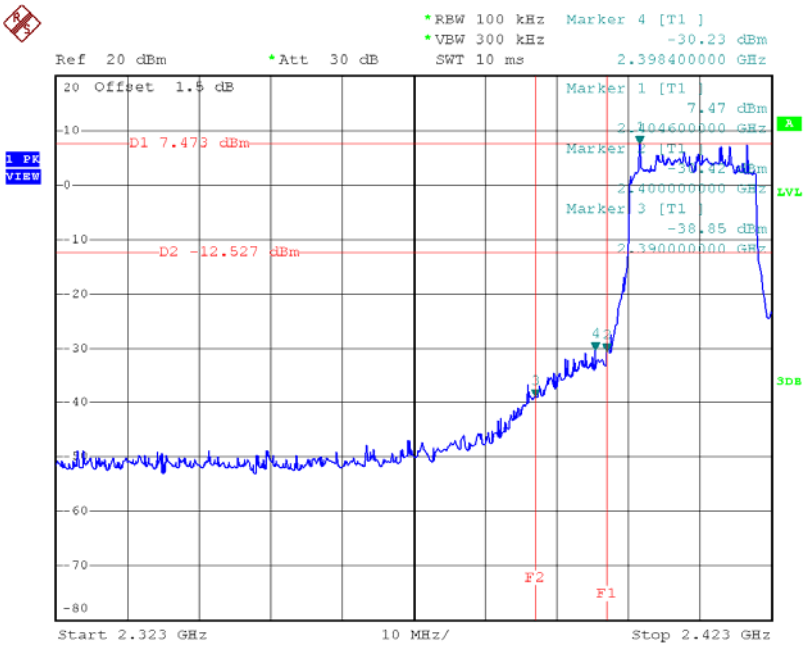
TX G mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:42:54

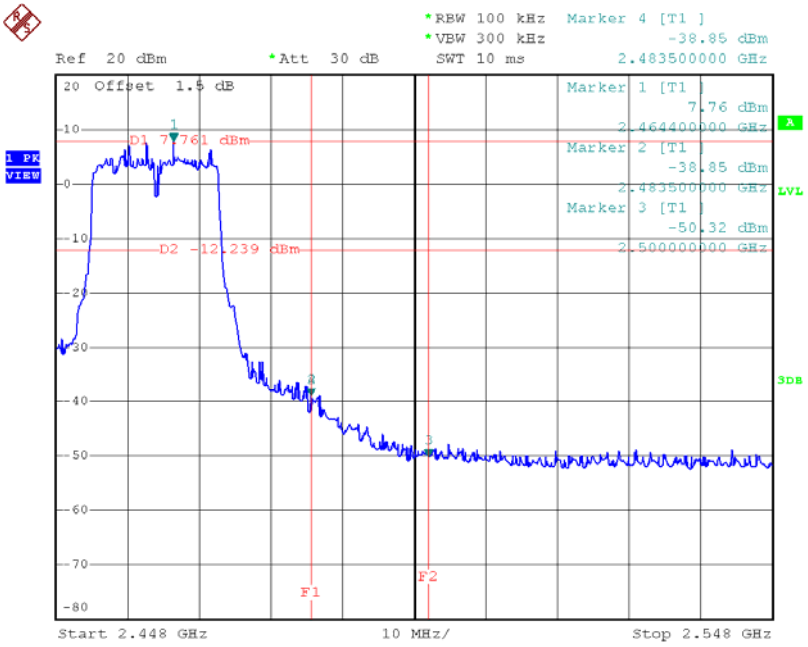
Test Mode :	TX N-20M Mode_ANT 1

TX HT20 mode CH01



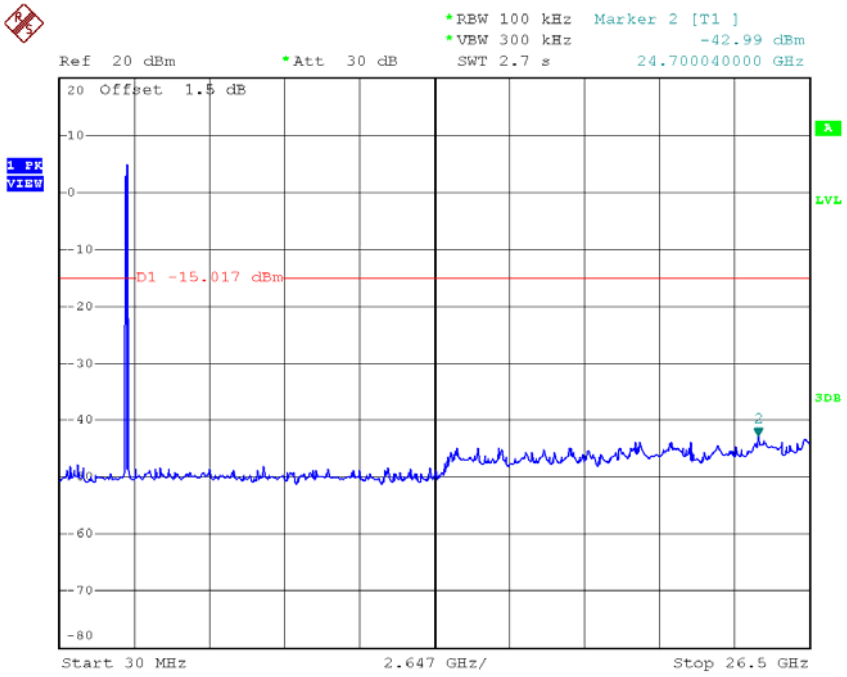
Date: 25.MAY.2016 21:36:46

TX HT20 mode CH11



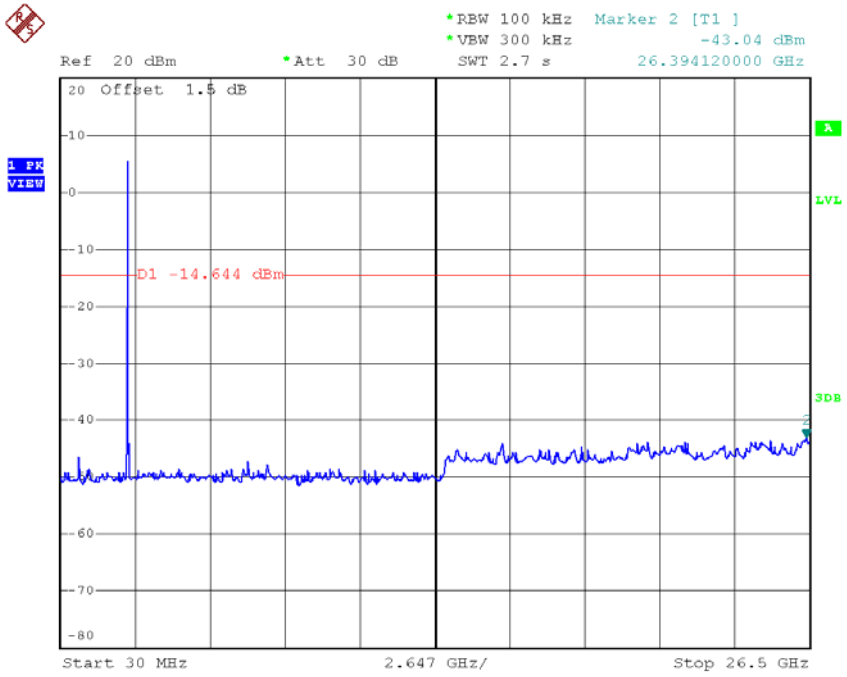
Date: 25.MAY.2016 21:38:46

TX HT20 mode CH01 (10 Harmonic of the frequency)



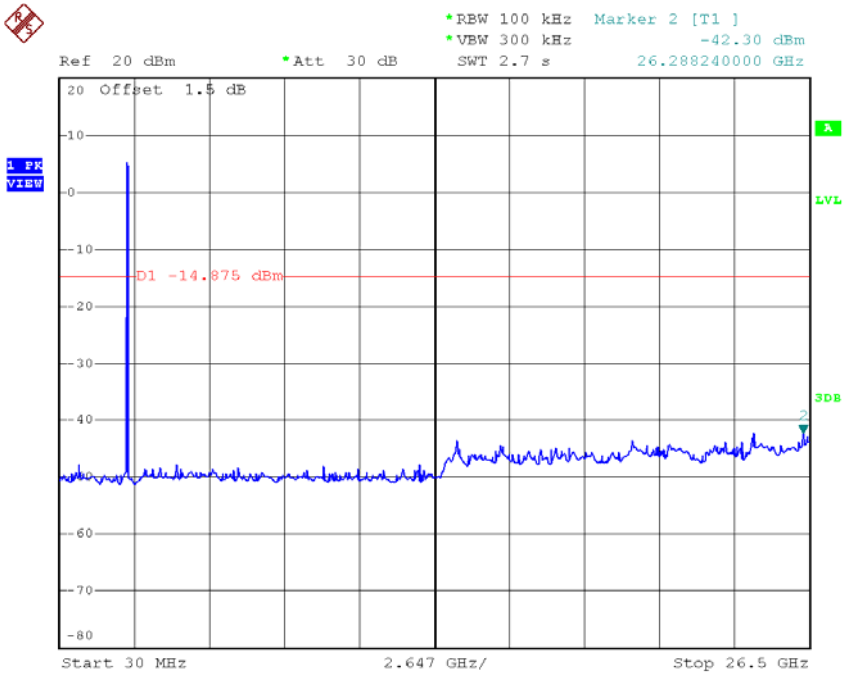
Date: 25.MAY.2016 21:36:38

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:37:45

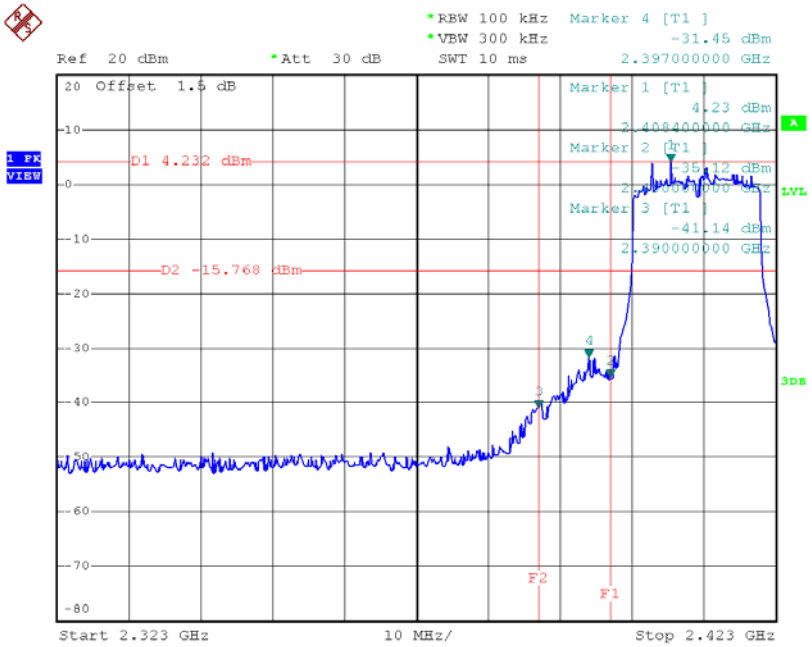
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:38:38

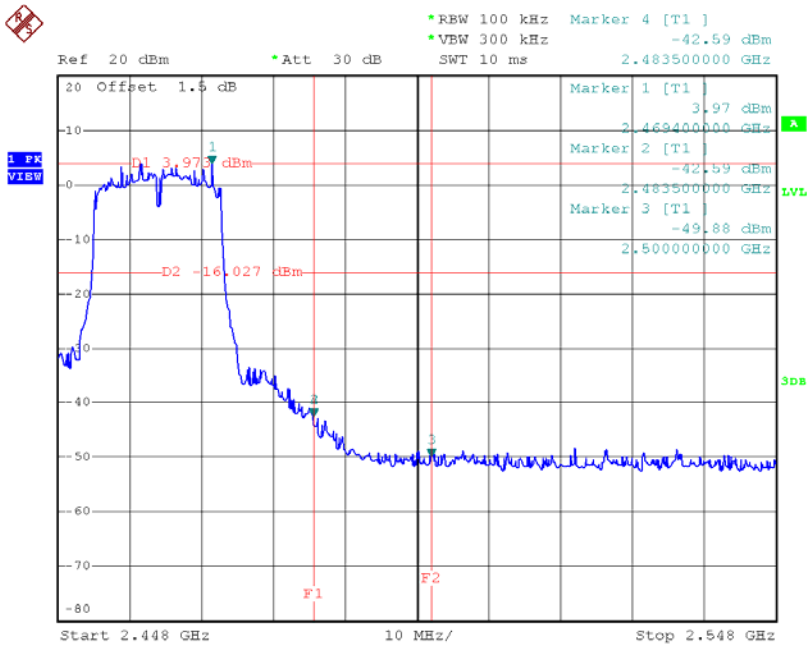
Test Mode :	TX N-20M Mode_ANT 2

TX HT20 mode CH01



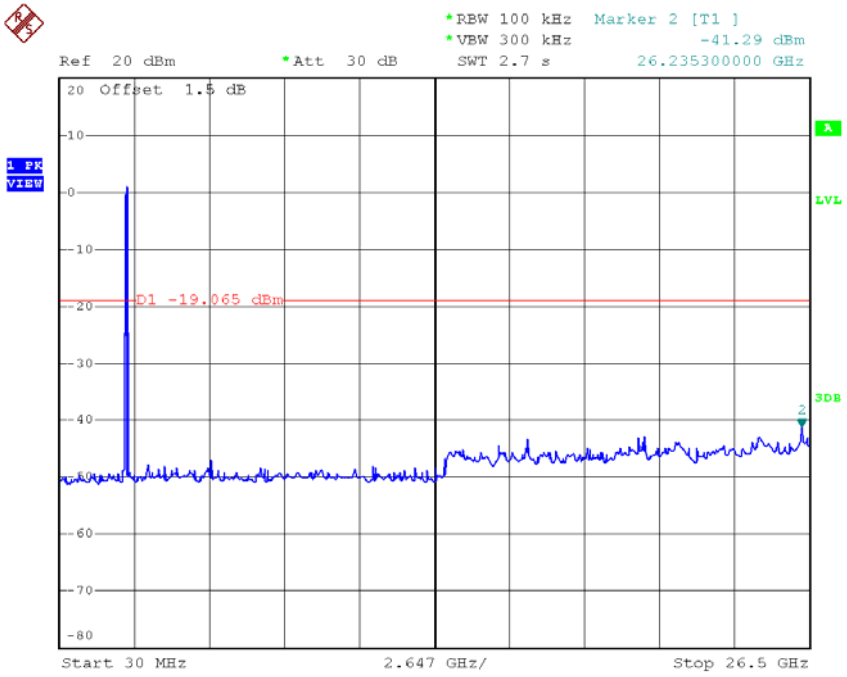
Date: 27.MAY.2016 19:43:15

TX HT20 mode CH11



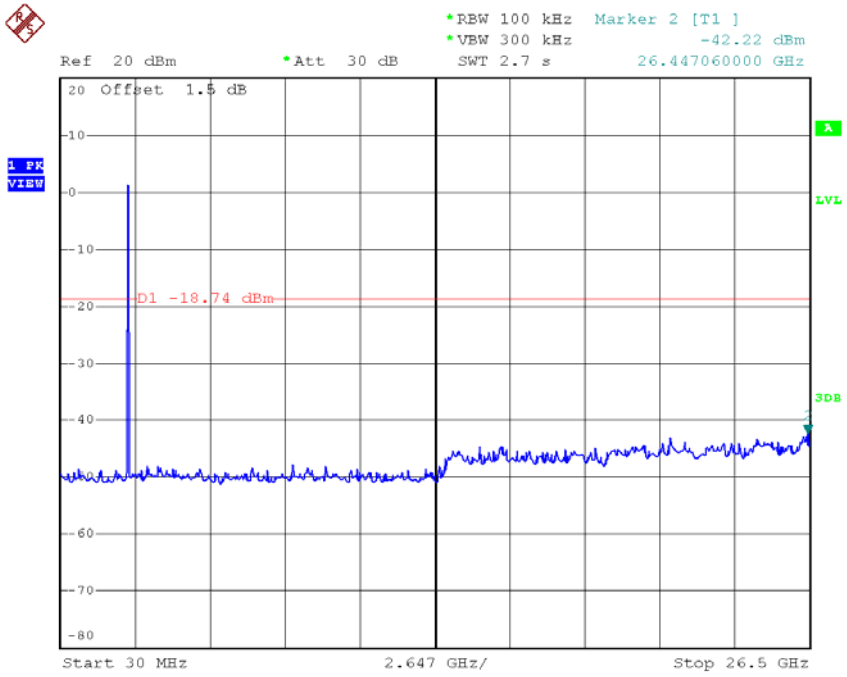
Date: 27.MAY.2016 19:45:37

TX HT20 mode CH01 (10 Harmonic of the frequency)



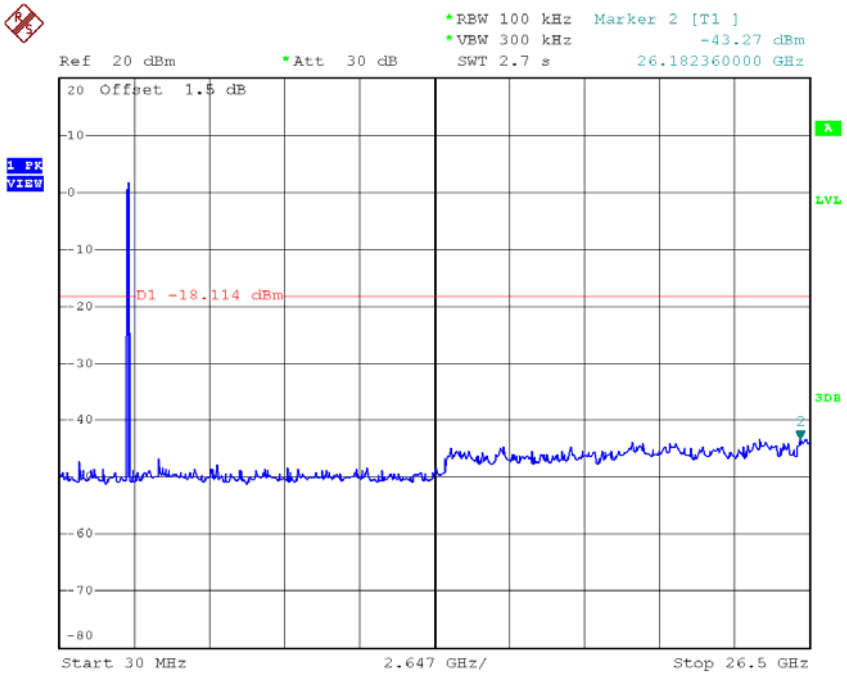
Date: 27.MAY.2016 19:43:08

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:44:30

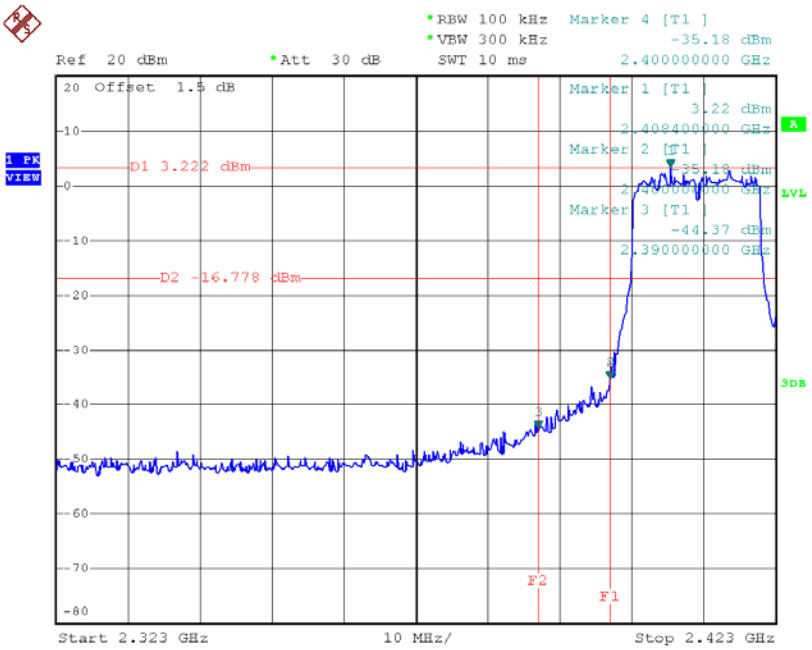
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:45:30

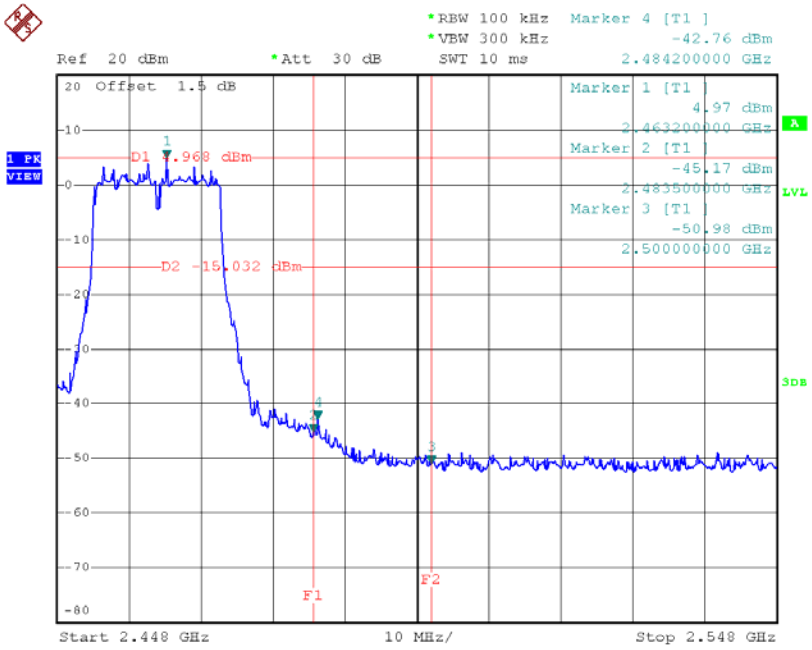
Test Mode :	TX N-20M Mode_ANT 3

TX HT20 mode CH01



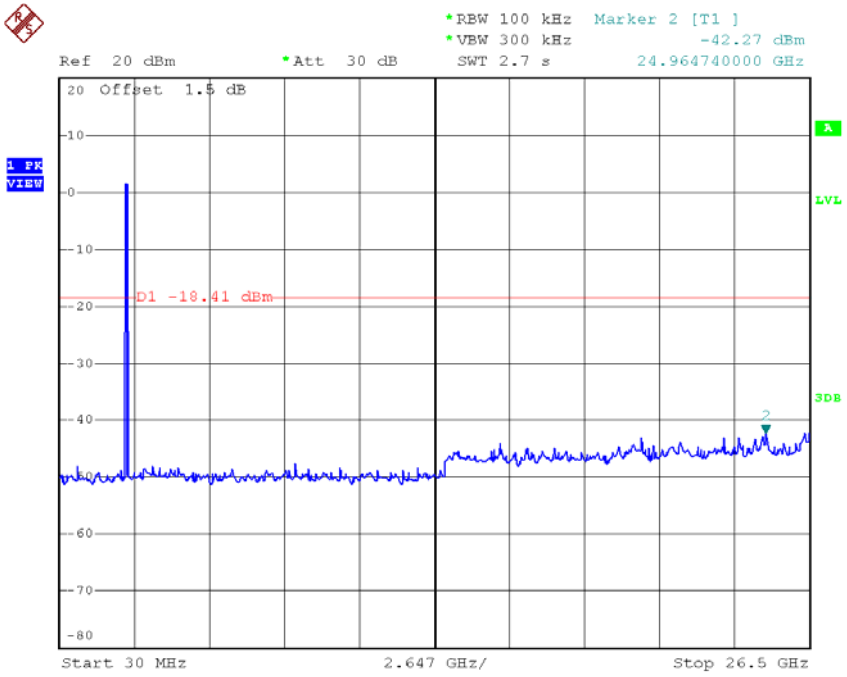
Date: 27.MAY.2016 20:19:53

TX HT20 mode CH11



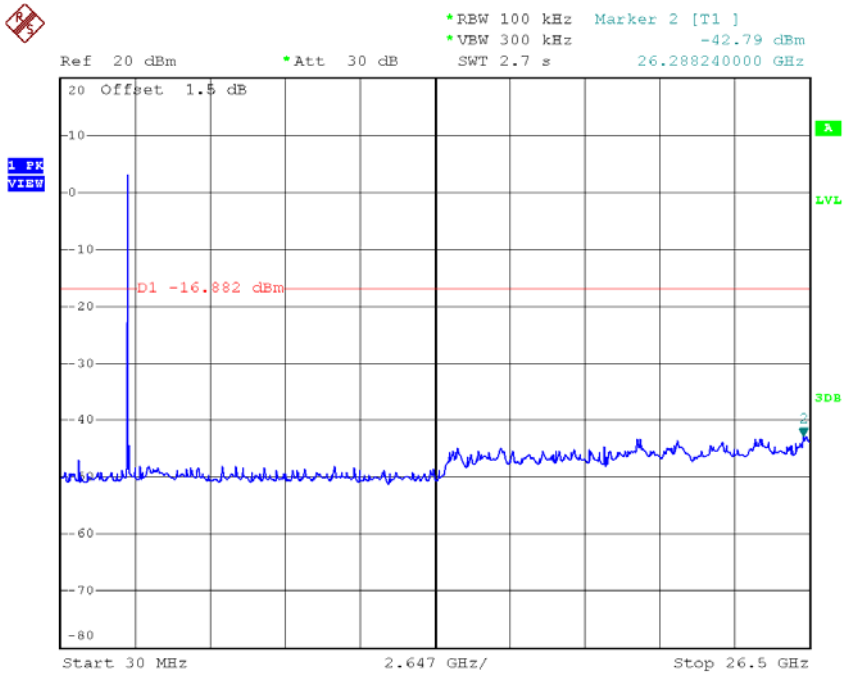
Date: 27.MAY.2016 20:21:53

TX HT20 mode CH01 (10 Harmonic of the frequency)



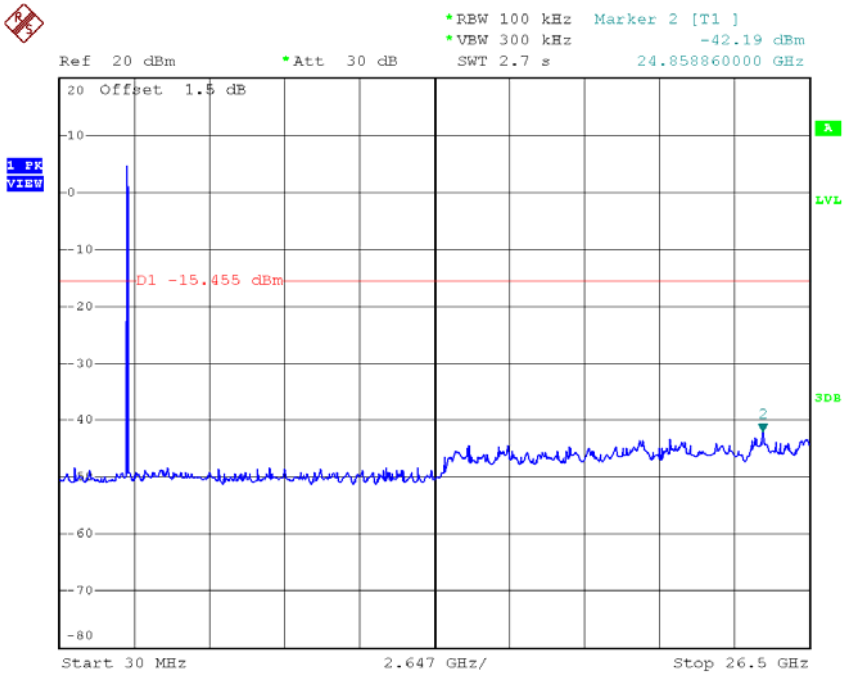
Date: 27.MAY.2016 20:19:45

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:20:45

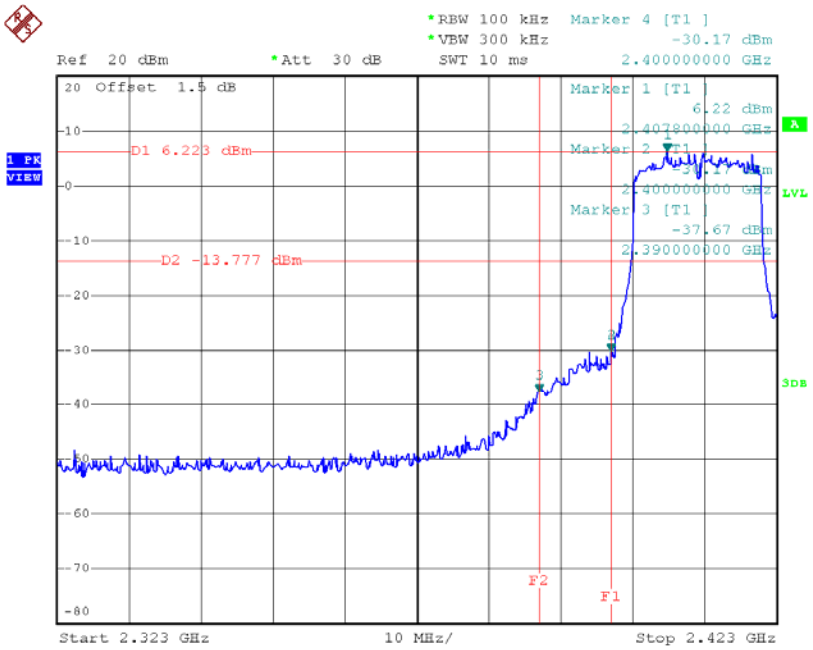
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:21:46

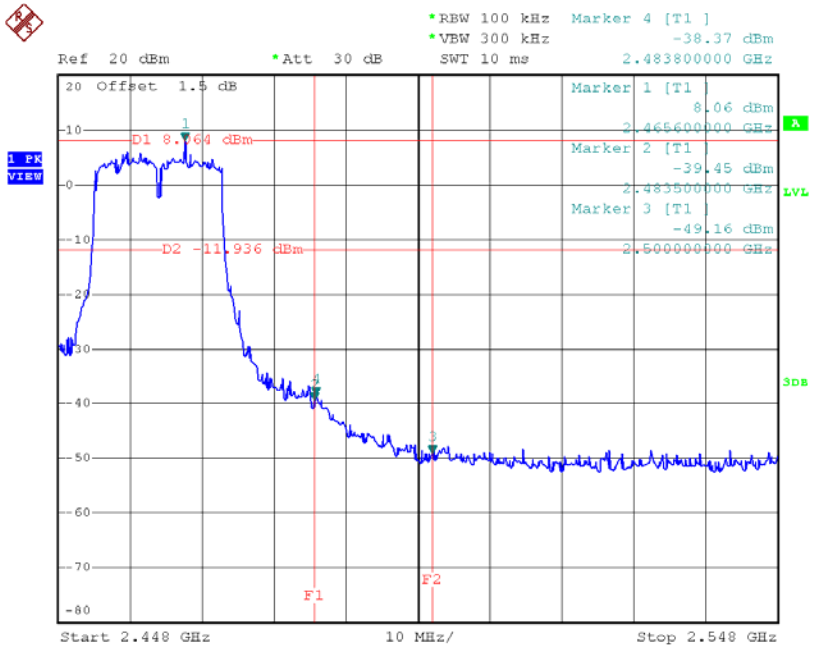
Test Mode :	TX N-20M Mode_ANT 4

TX HT20 mode CH01



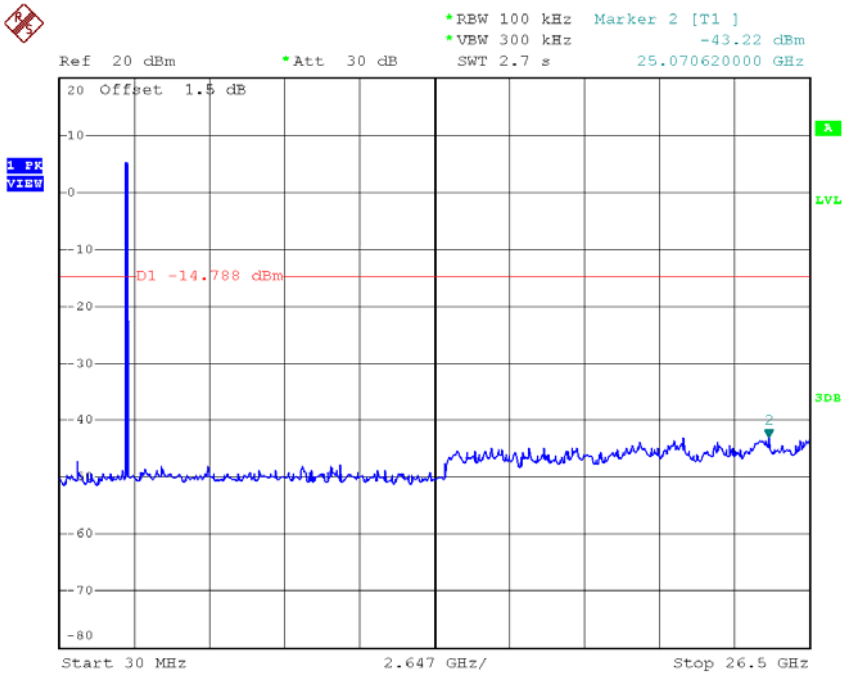
Date: 27.MAY.2016 20:44:48

TX HT20 mode CH11



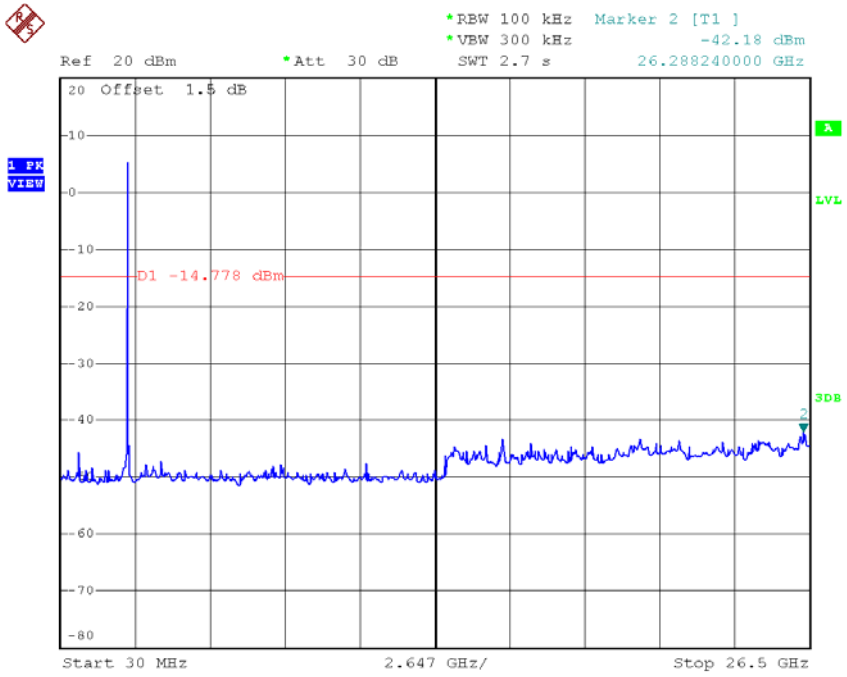
Date: 27.MAY.2016 20:47:58

TX HT20 mode CH01 (10 Harmonic of the frequency)



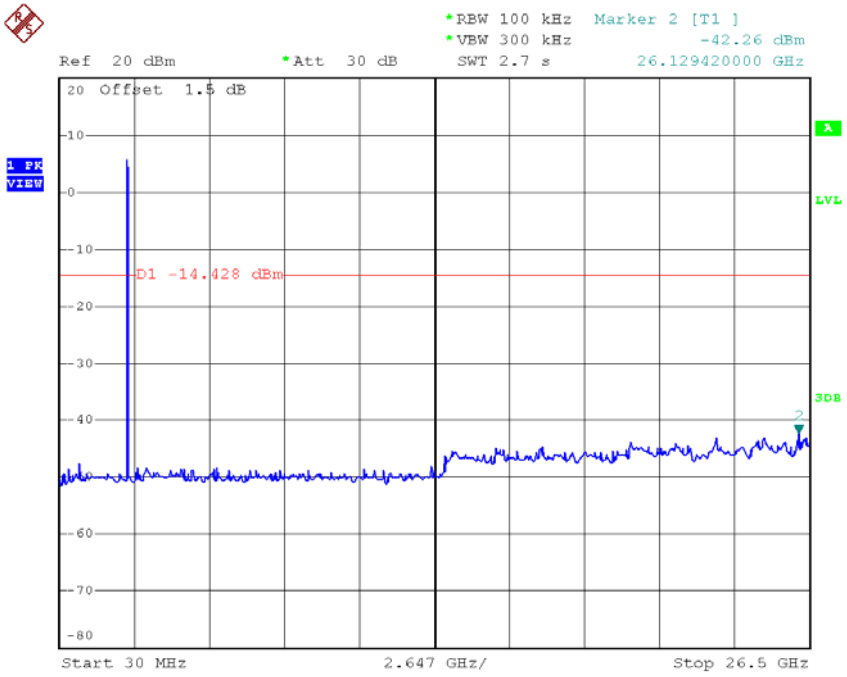
Date: 27.MAY.2016 20:44:40

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:46:58

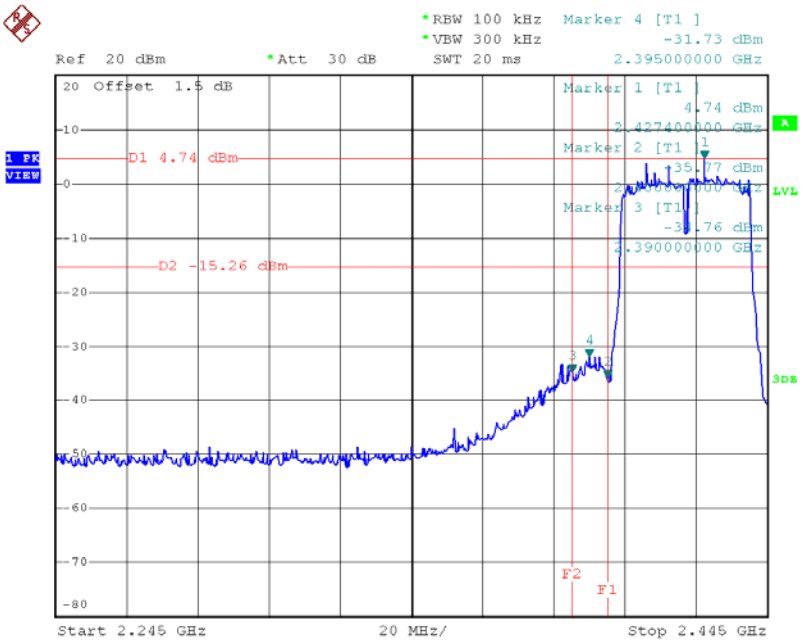
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:47:51

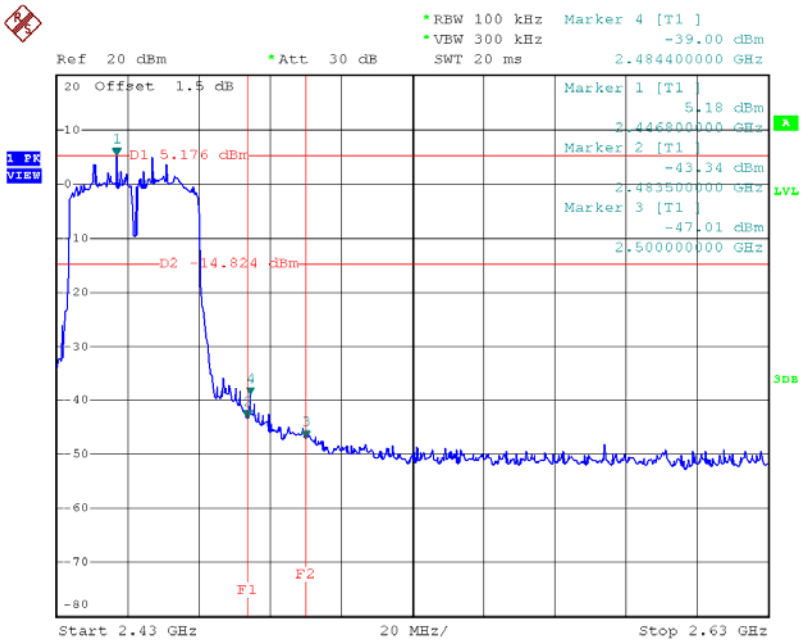
Test Mode :	TX N-40M Mode_ANT 1

TX HT40 mode CH03



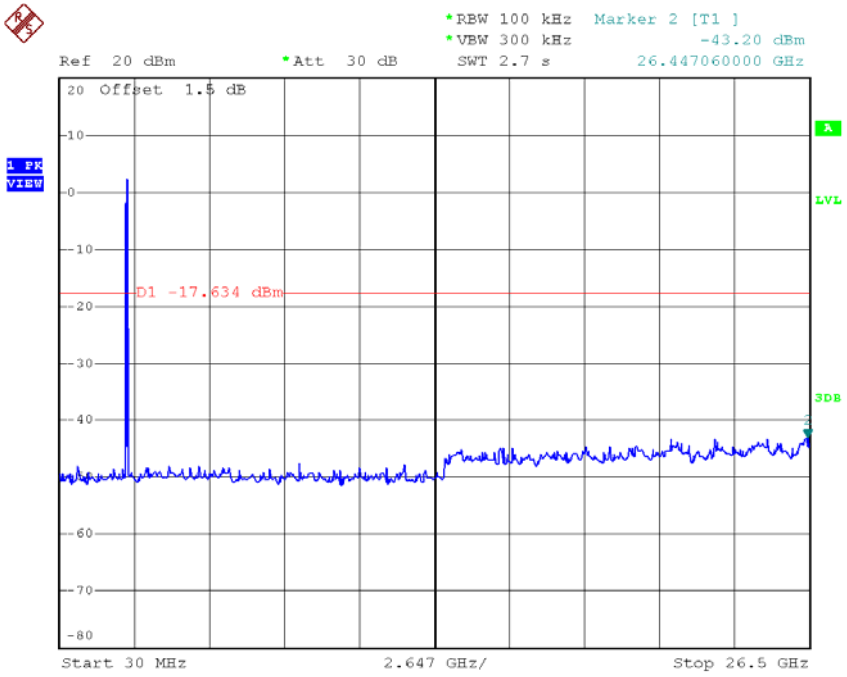
Date: 25.MAY.2016 21:40:19

TX HT40 mode CH09



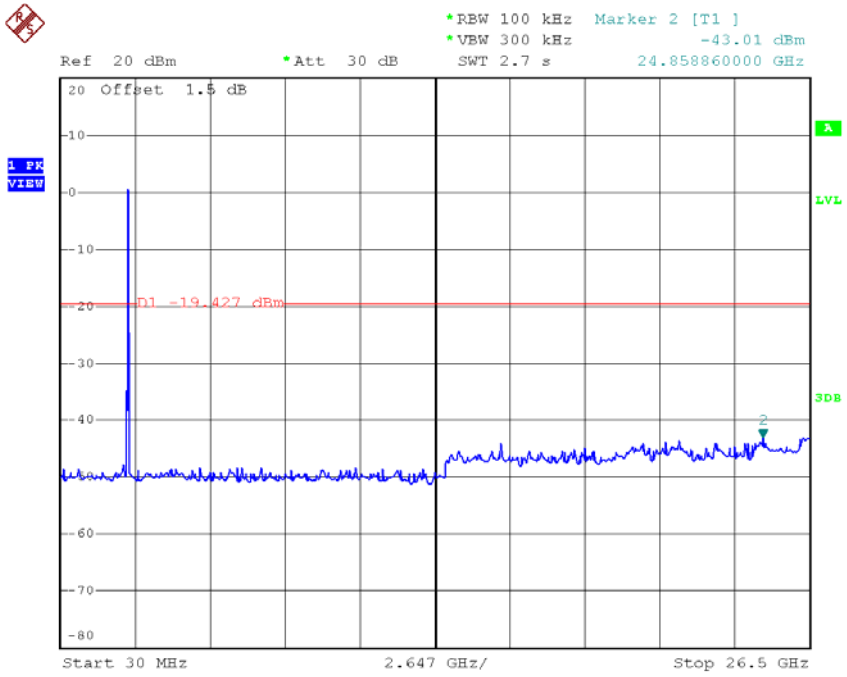
Date: 25.MAY.2016 21:46:00

TX HT40 mode CH03 (10 Harmonic of the frequency)



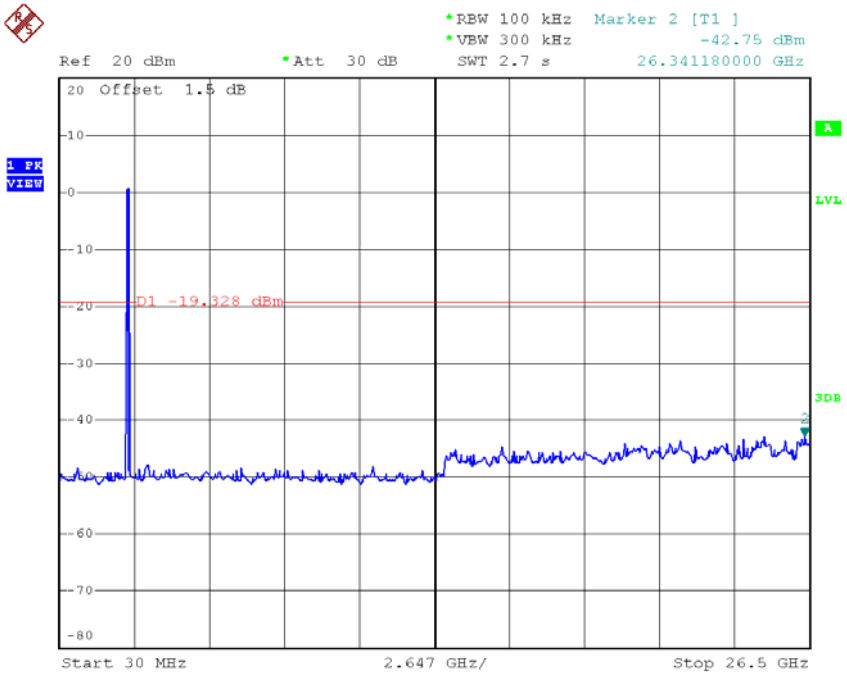
Date: 25.MAY.2016 21:40:11

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:44:55

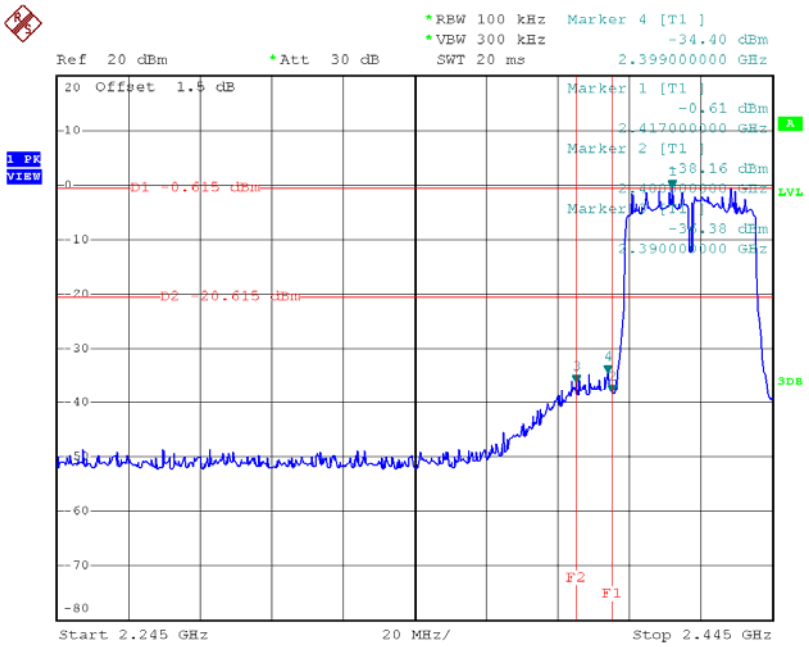
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:45:52

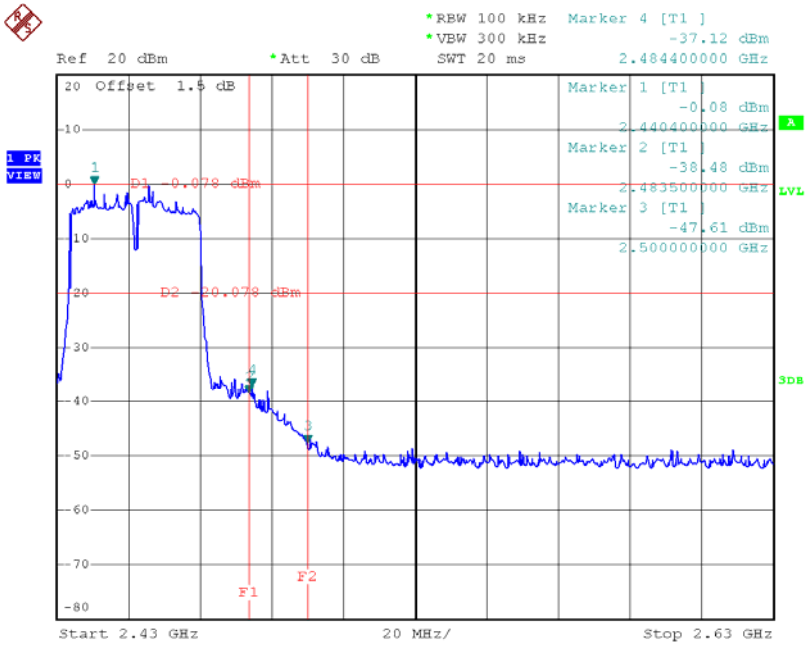
Test Mode :	TX N-40M Mode_ANT 2

TX HT40 mode CH03



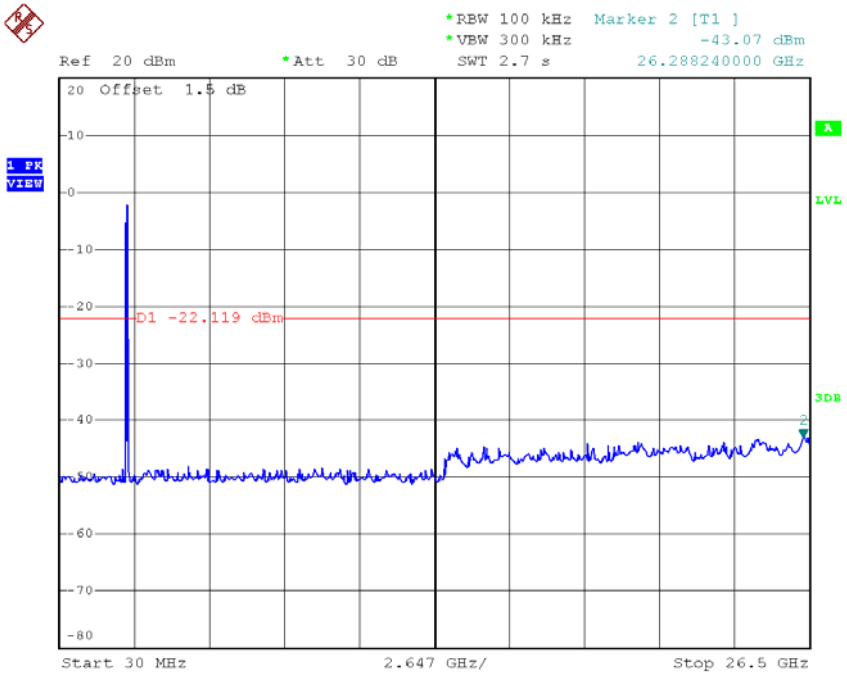
Date: 27.MAY.2016 19:47:17

TX HT40 mode CH09



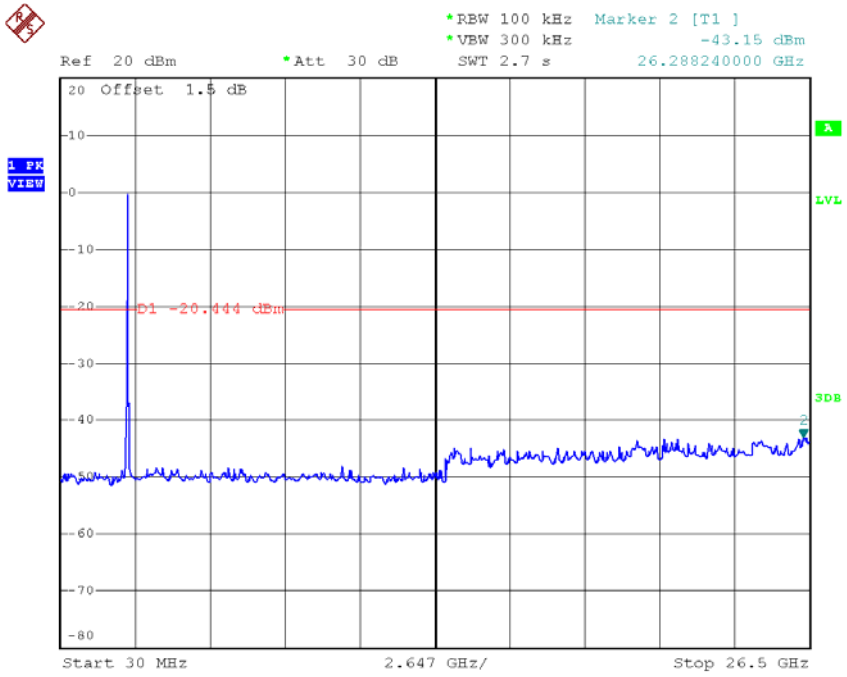
Date: 27.MAY.2016 19:50:09

TX HT40 mode CH03 (10 Harmonic of the frequency)



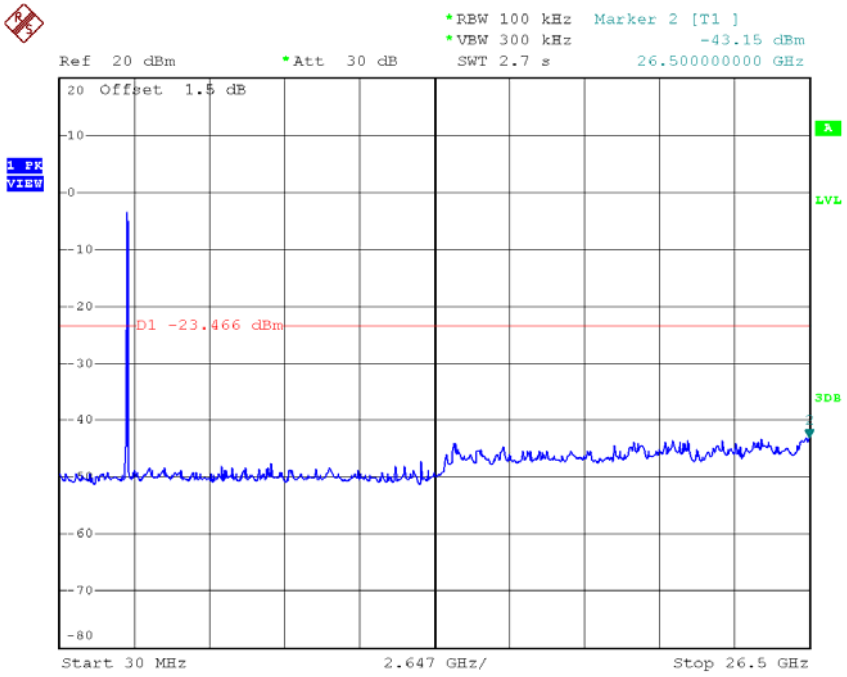
Date: 27.MAY.2016 19:47:09

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:49:06

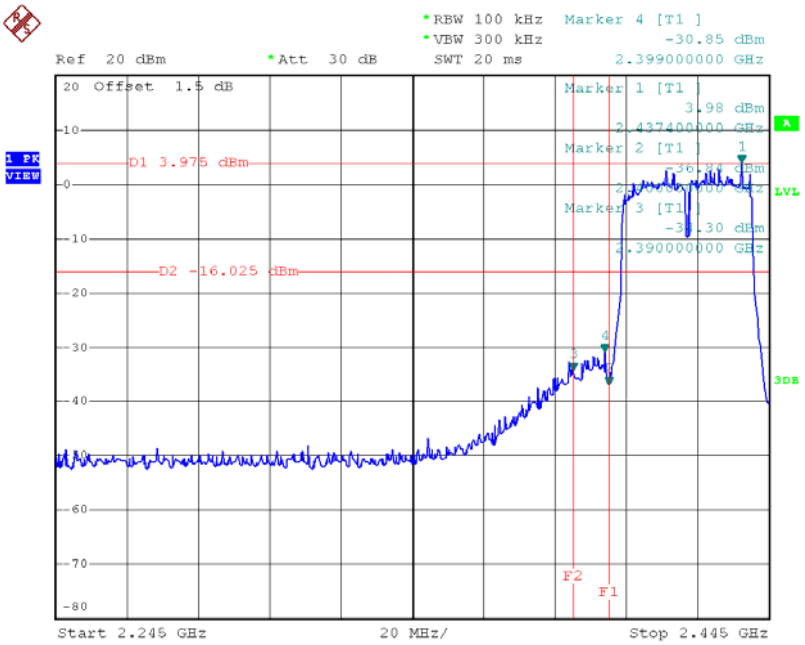
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:50:01

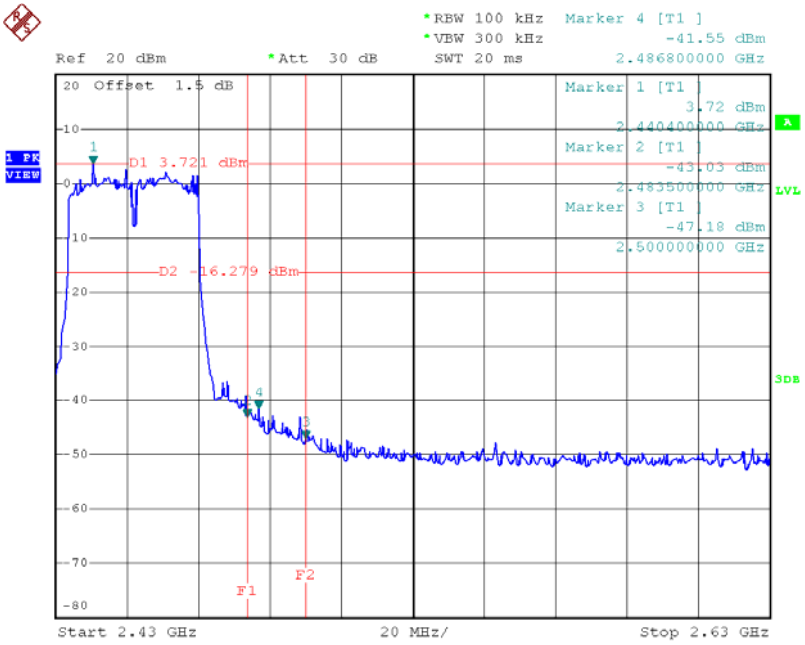
Test Mode :	TX N-40M Mode_ANT 3

TX HT40 mode CH03



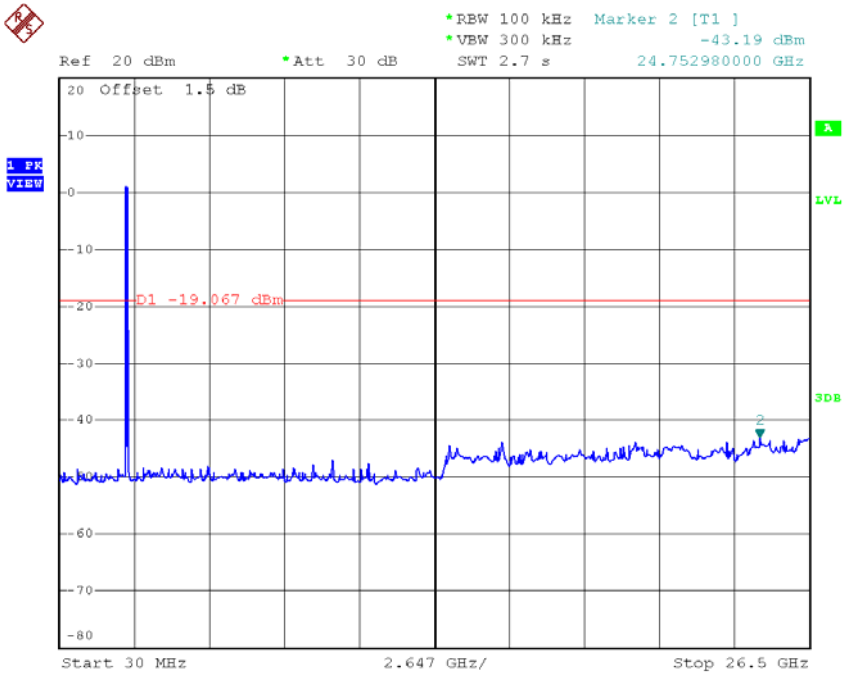
Date: 27.MAY.2016 20:26:43

TX HT40 mode CH09



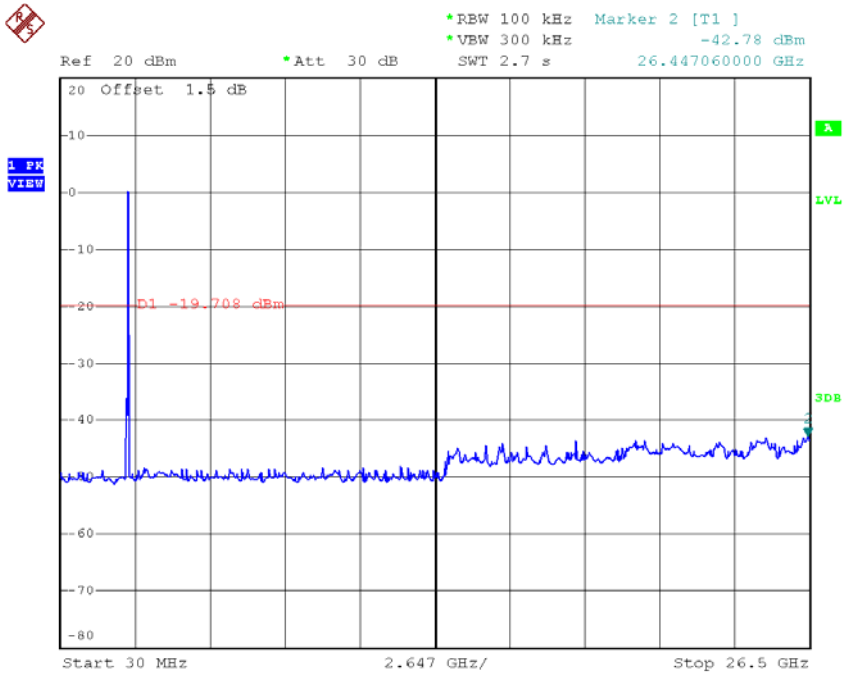
Date: 27.MAY.2016 20:32:04

TX HT40 mode CH03 (10 Harmonic of the frequency)



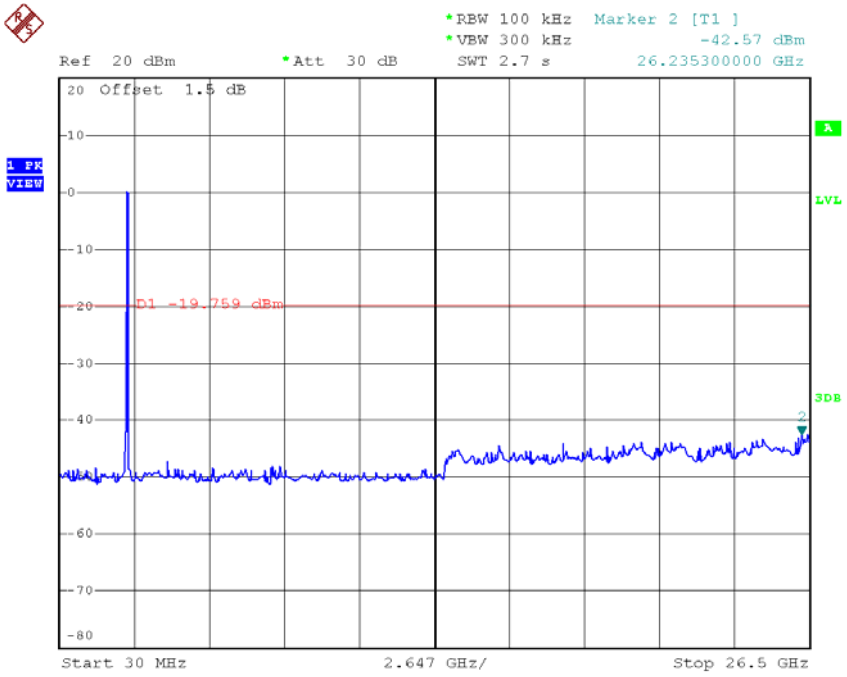
Date: 27.MAY.2016 20:26:35

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:30:55

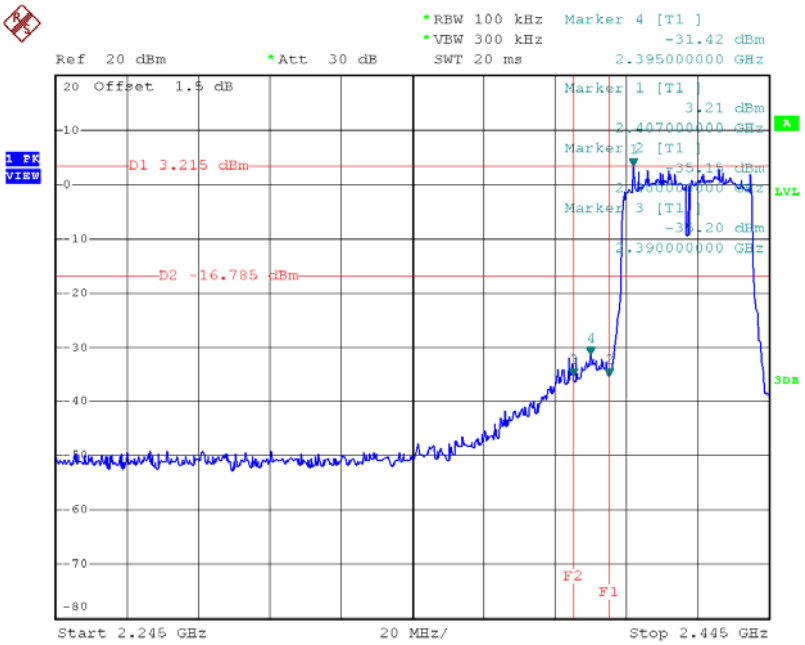
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:31:56

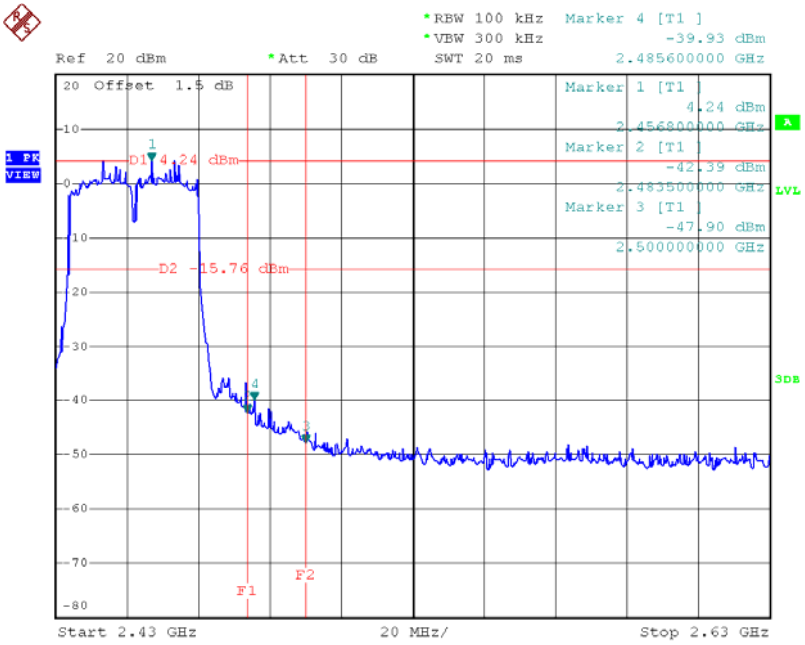
Test Mode :	TX N-40M Mode_ANT 4

TX HT40 mode CH03



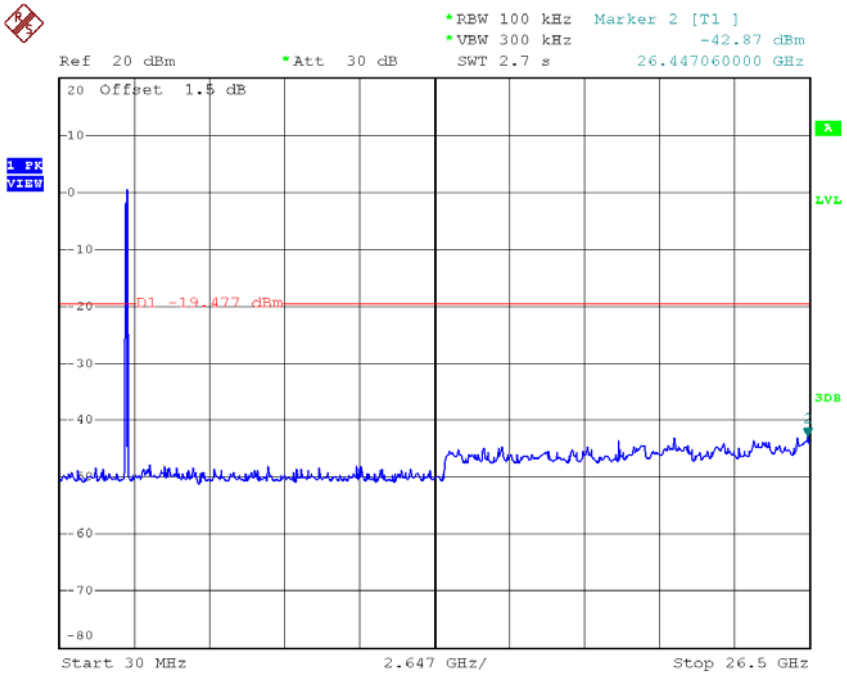
Date: 27.MAY.2016 20:49:10

TX HT40 mode CH09



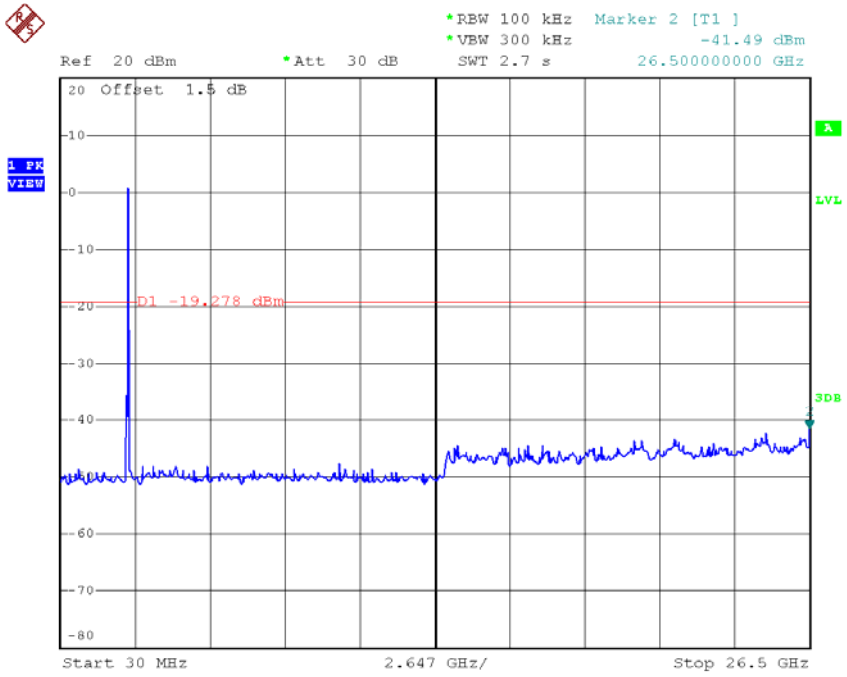
Date: 27.MAY.2016 20:51:22

TX HT40 mode CH03 (10 Harmonic of the frequency)



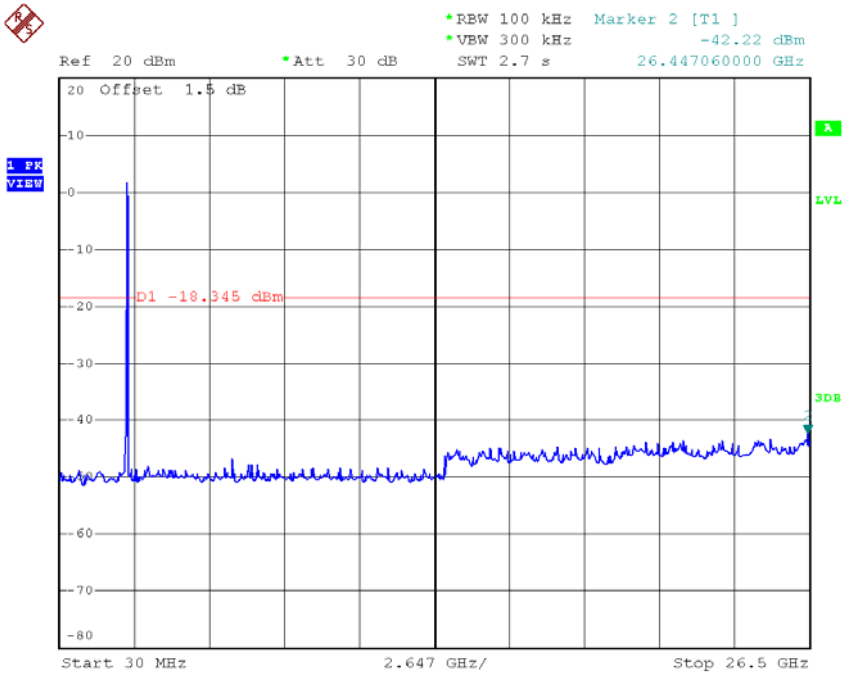
Date: 27.MAY.2016 20:49:02

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 20:50:15

TX HT40 mode CH09 (10 Harmonic of the frequency)

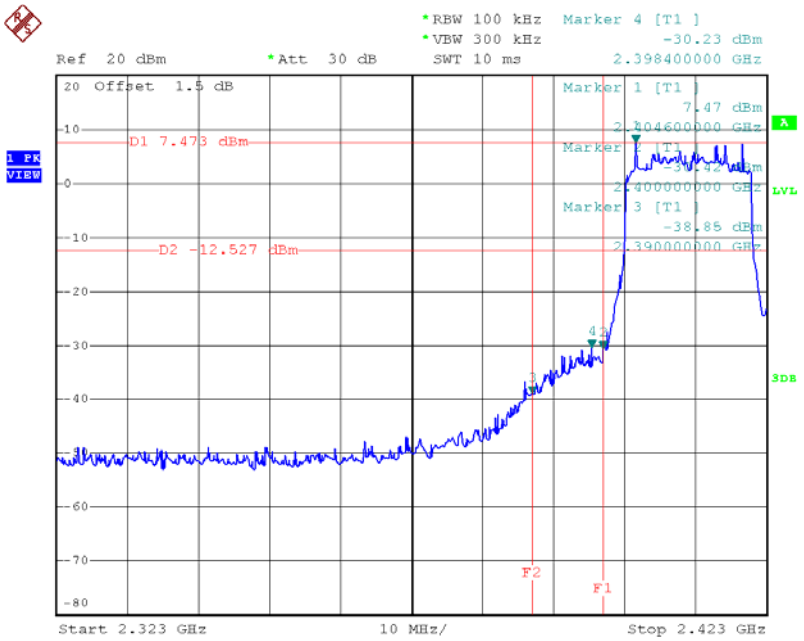


Date: 27.MAY.2016 20:51:14

For 2T2R with Beamforming

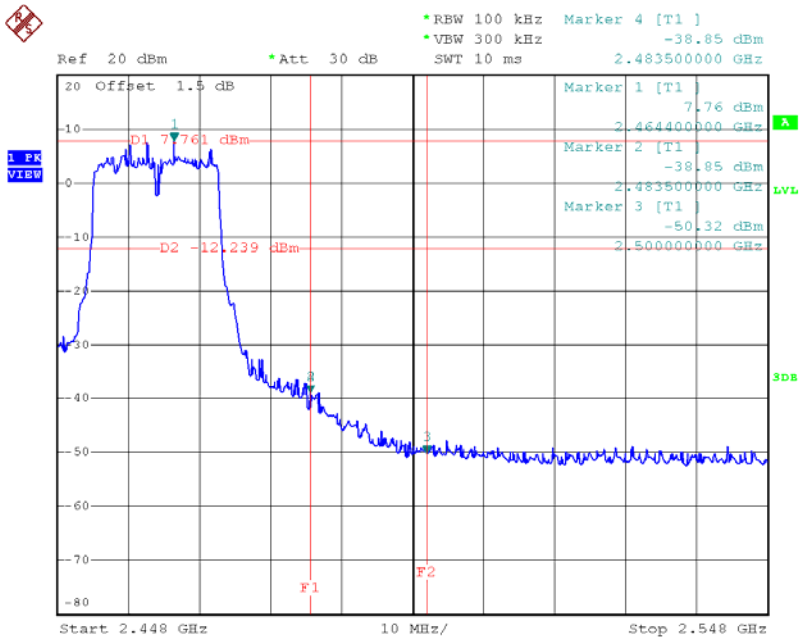
Test Mode :	TX N-20M Mode_ANT 1

TX HT20 mode CH01



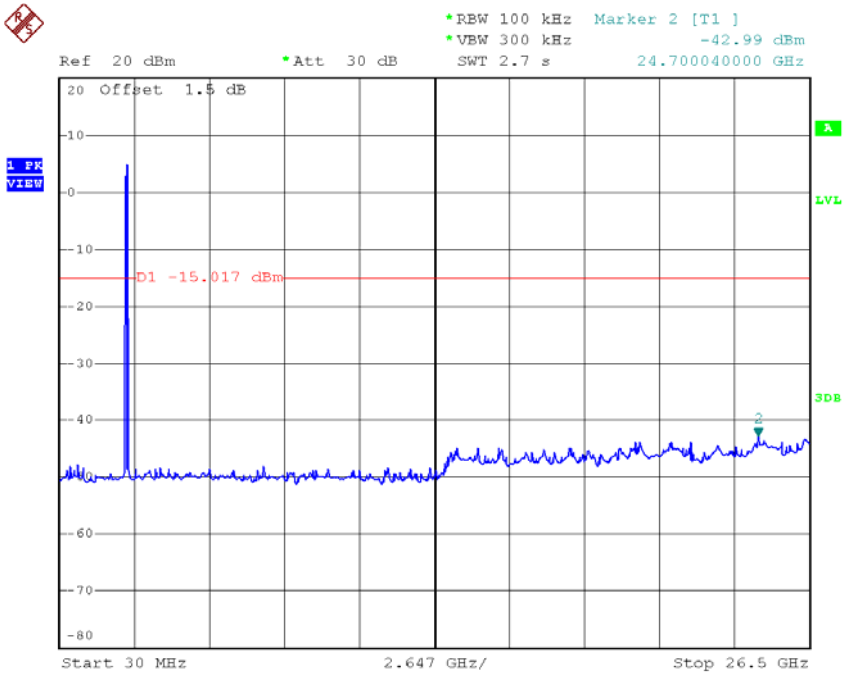
Date: 25.MAY.2016 21:36:46

TX HT20 mode CH11



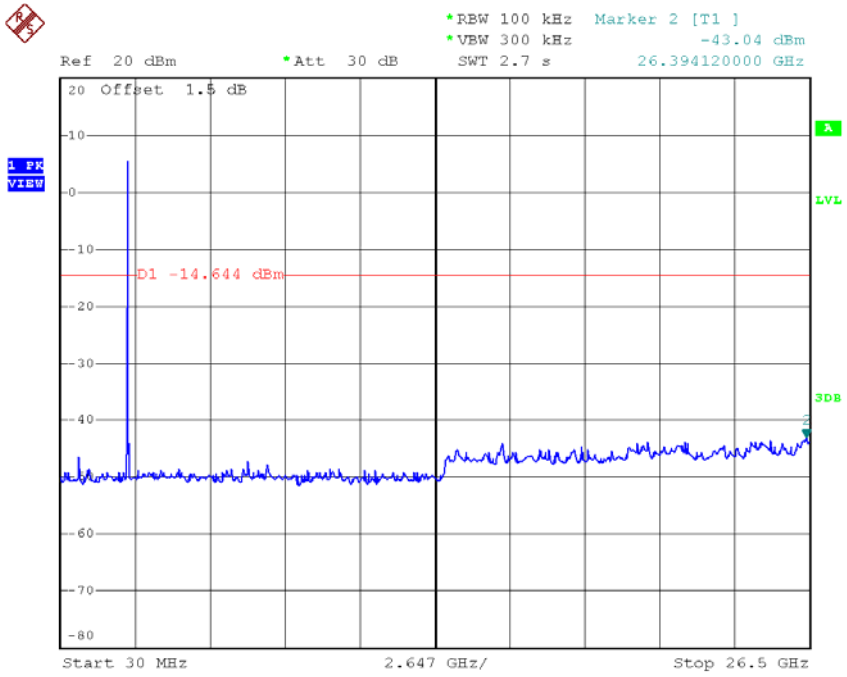
Date: 25.MAY.2016 21:38:46

TX HT20 mode CH01 (10 Harmonic of the frequency)



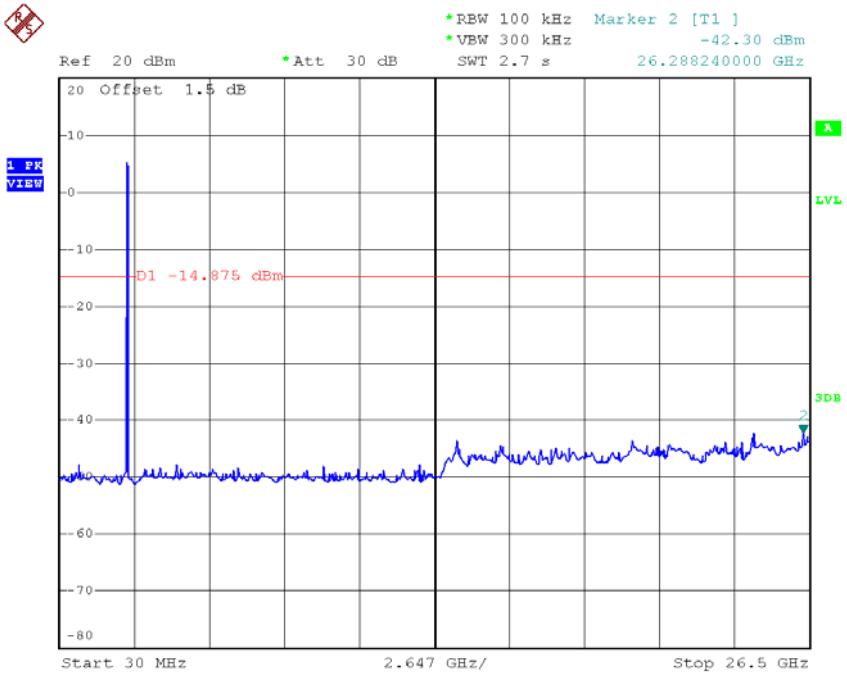
Date: 25.MAY.2016 21:36:38

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:37:45

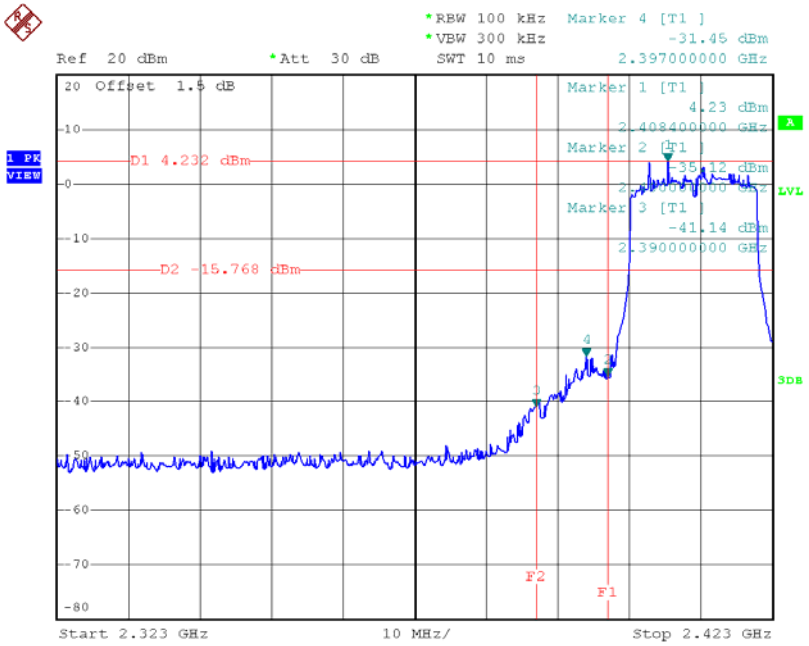
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:38:38

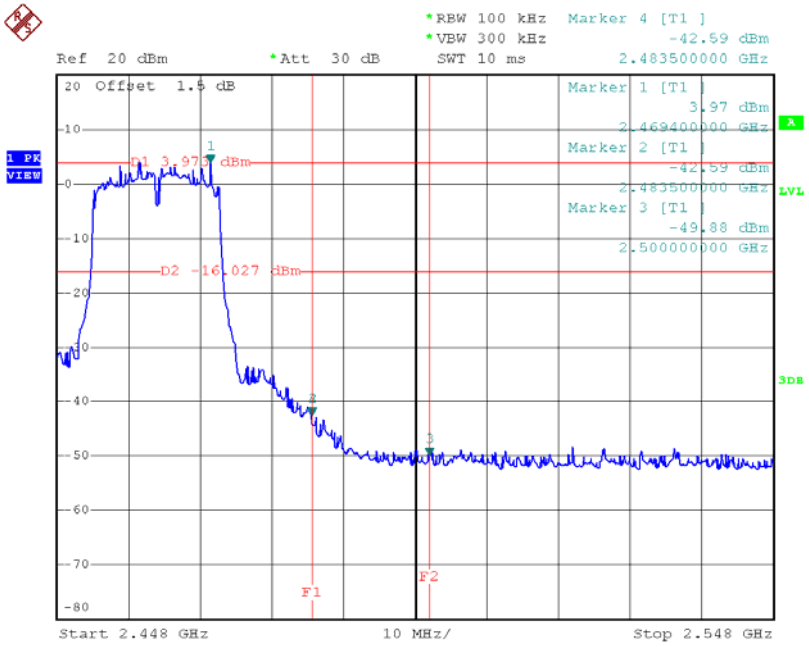
Test Mode :	TX N-20M Mode_ANT 2

TX HT20 mode CH01



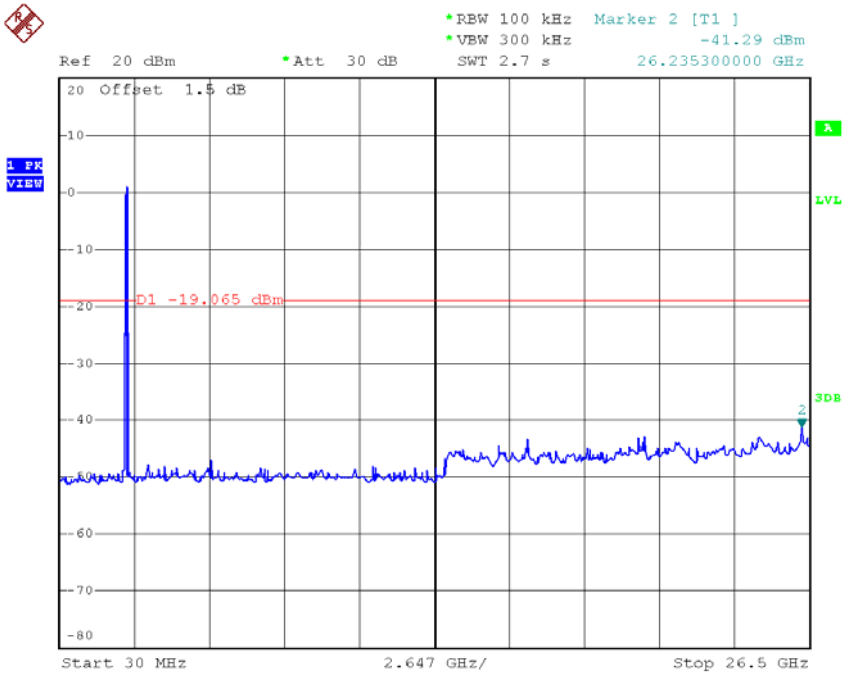
Date: 27.MAY.2016 19:43:15

TX HT20 mode CH11



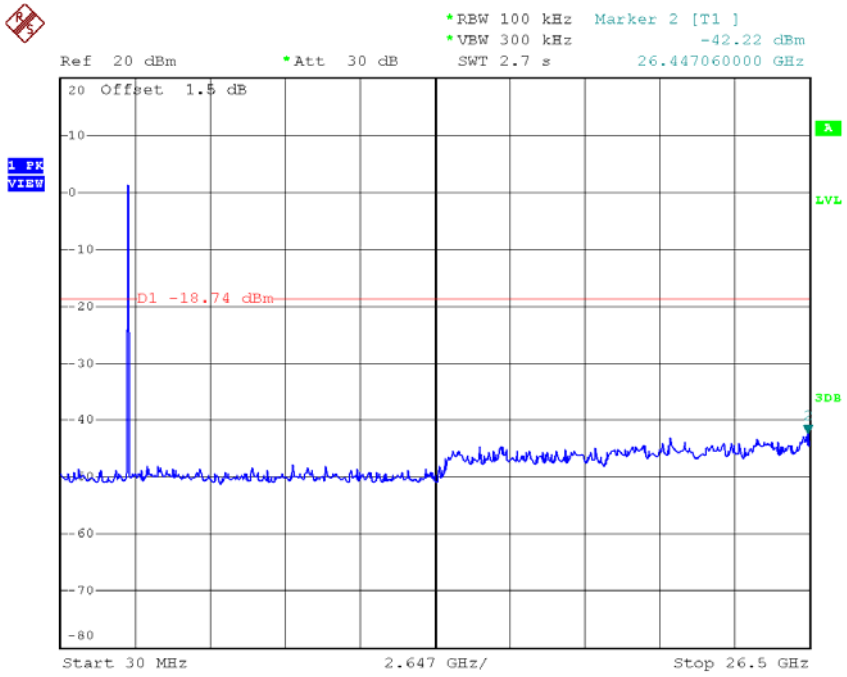
Date: 27.MAY.2016 19:45:37

TX HT20 mode CH01 (10 Harmonic of the frequency)



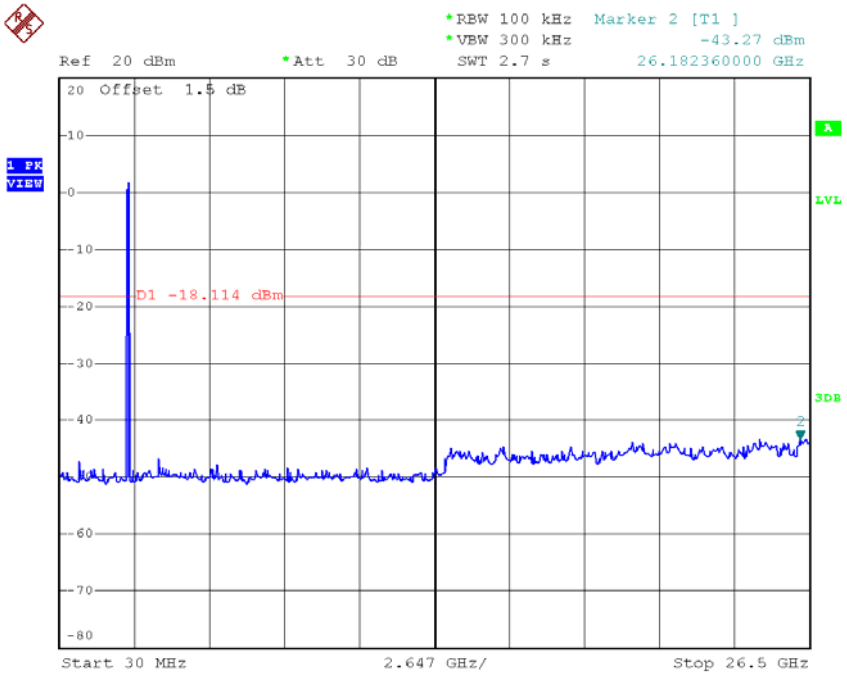
Date: 27.MAY.2016 19:43:08

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:44:30

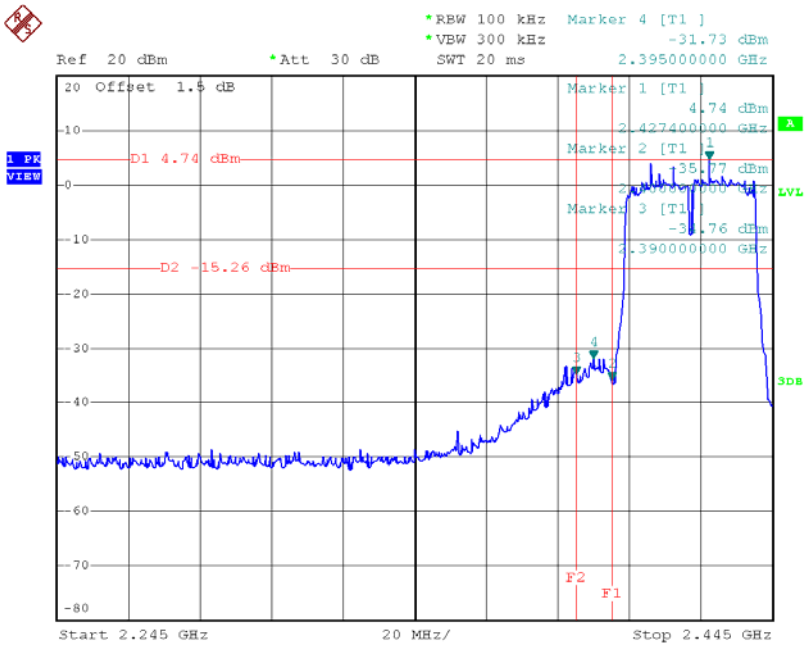
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:45:30

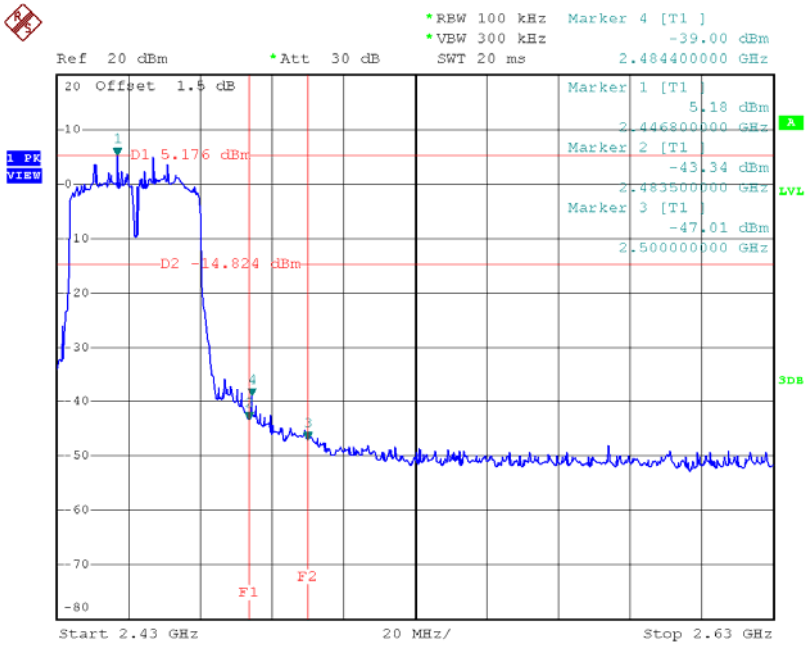
Test Mode :	TX N-40M Mode_ANT 1

TX HT40 mode CH03



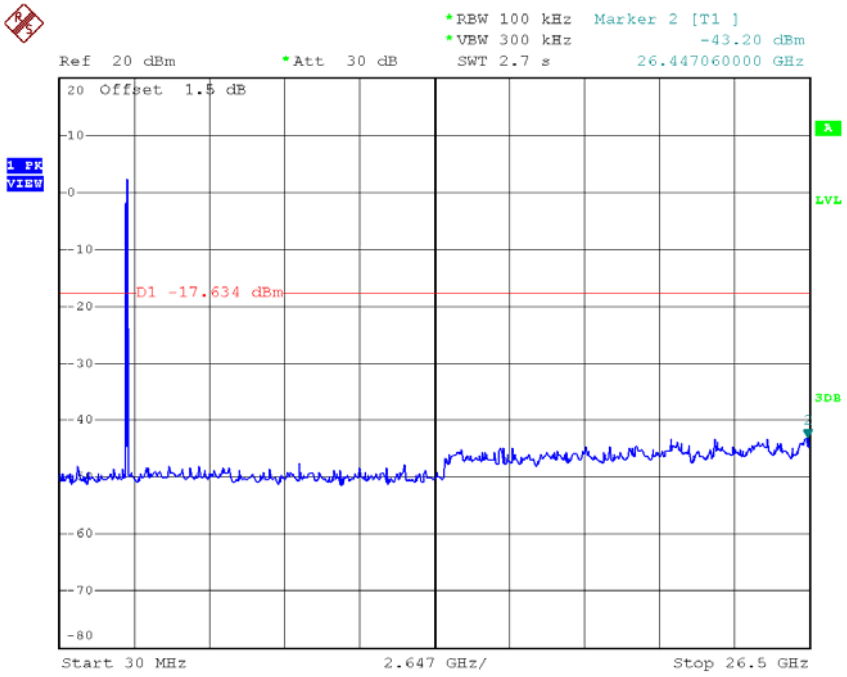
Date: 25.MAY.2016 21:40:19

TX HT40 mode CH09



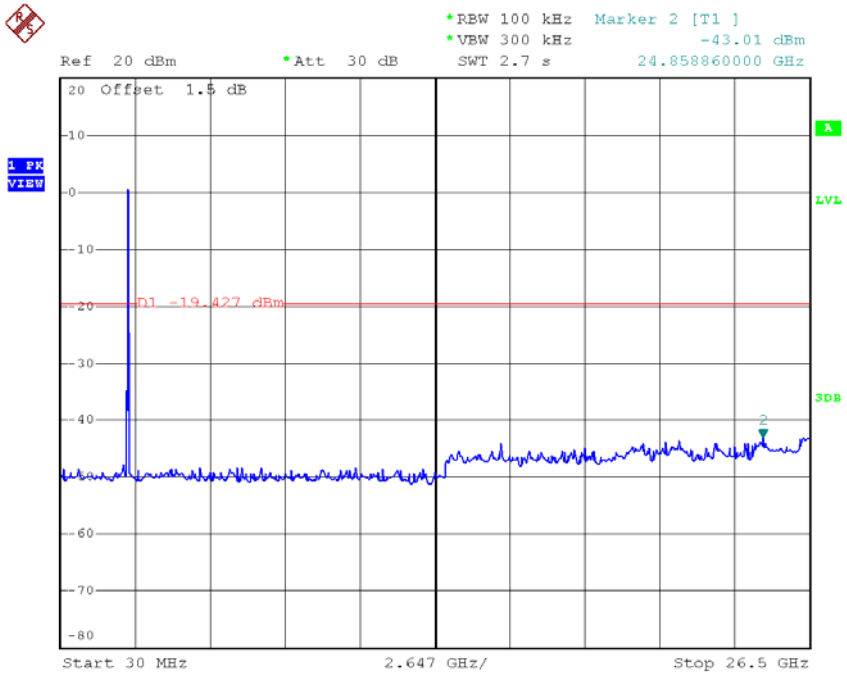
Date: 25.MAY.2016 21:46:00

TX HT40 mode CH03 (10 Harmonic of the frequency)



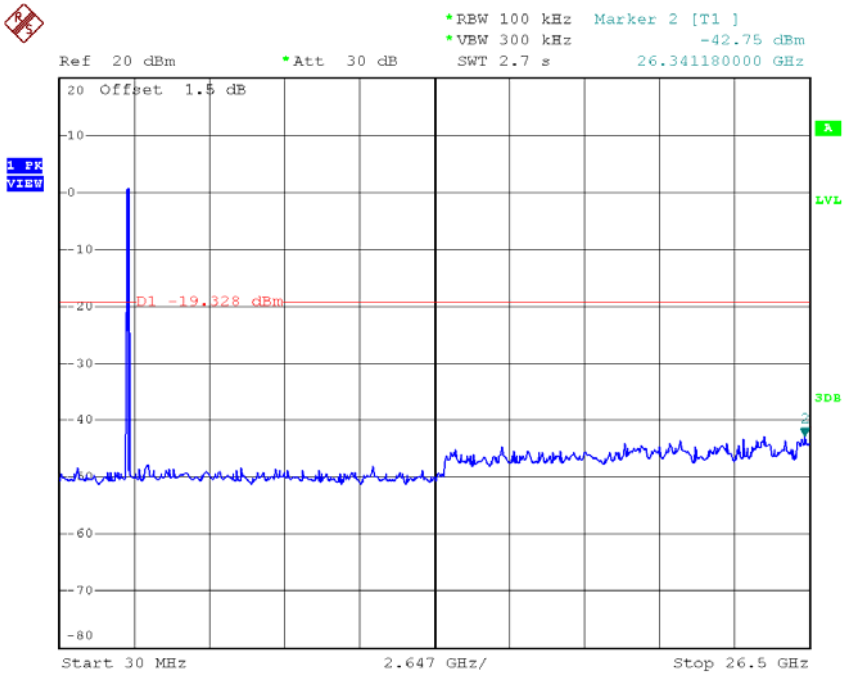
Date: 25.MAY.2016 21:40:11

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:44:55

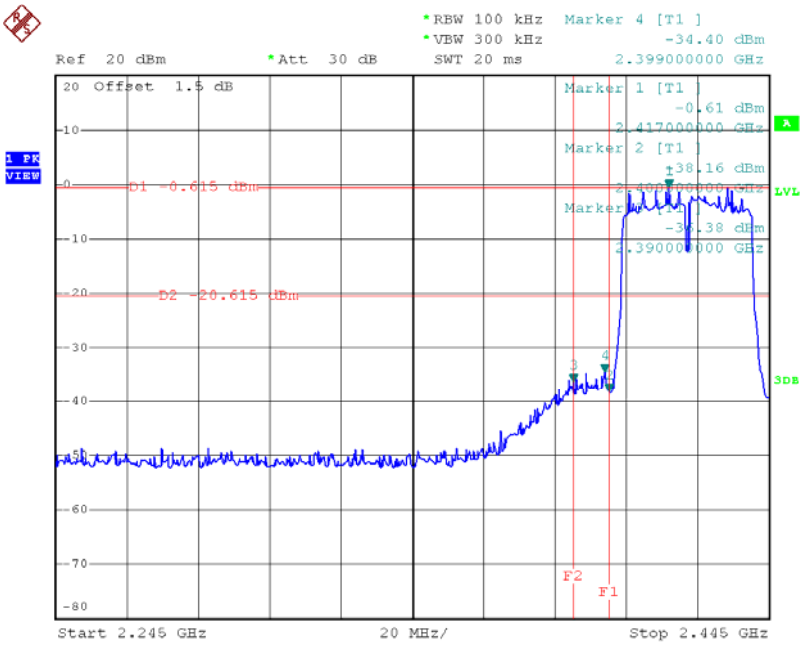
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 25.MAY.2016 21:45:52

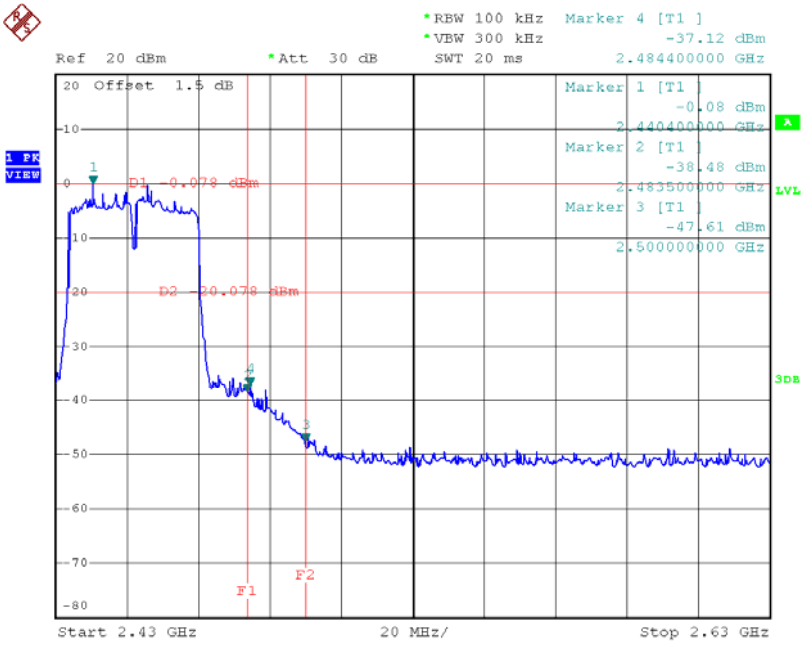
Test Mode :	TX N-40M Mode_ANT 2

TX HT40 mode CH03



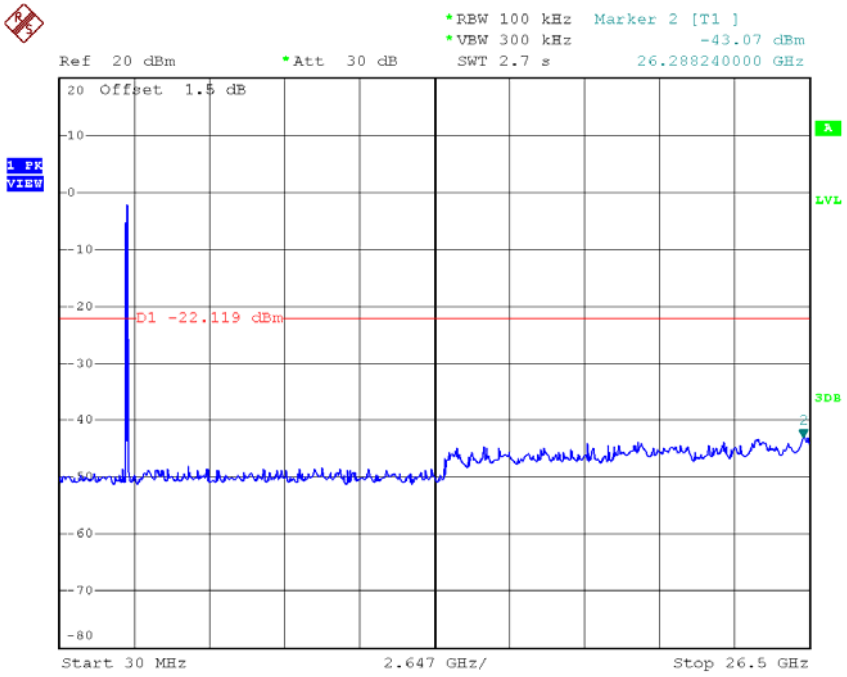
Date: 27.MAY.2016 19:47:17

TX HT40 mode CH09



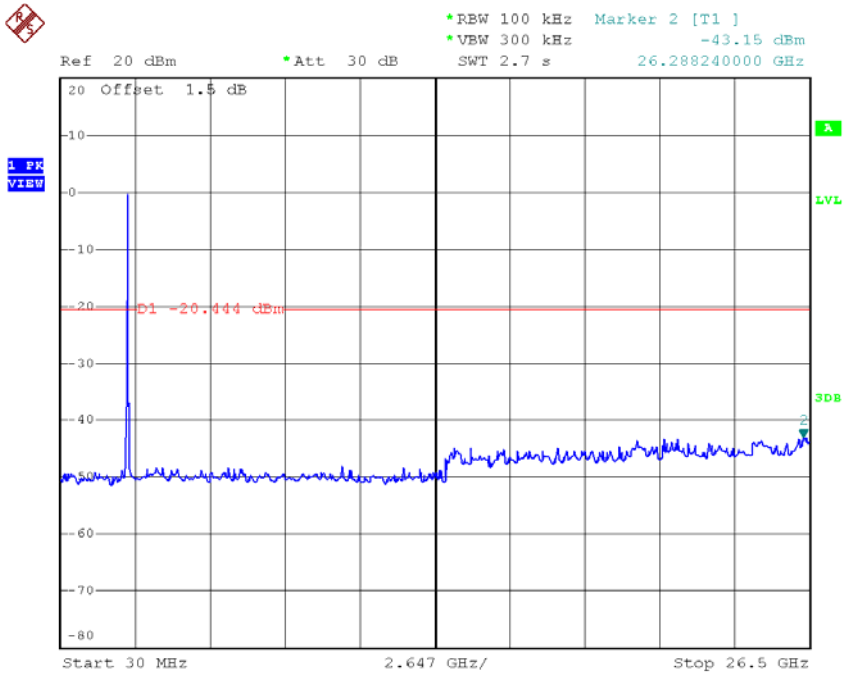
Date: 27.MAY.2016 19:50:09

TX HT40 mode CH03 (10 Harmonic of the frequency)



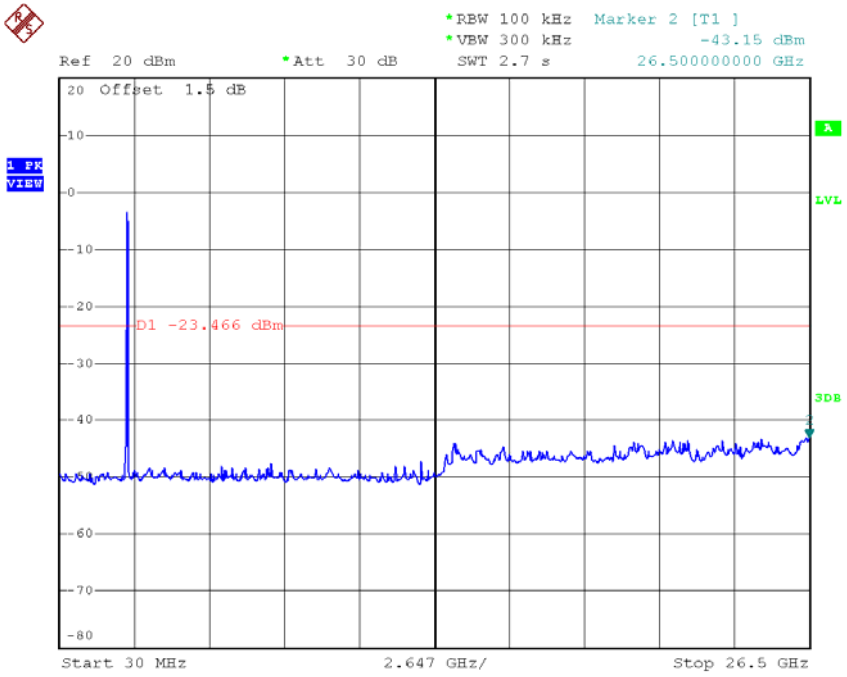
Date: 27.MAY.2016 19:47:09

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 27.MAY.2016 19:49:06

TX HT40 mode CH09 (10 Harmonic of the frequency)

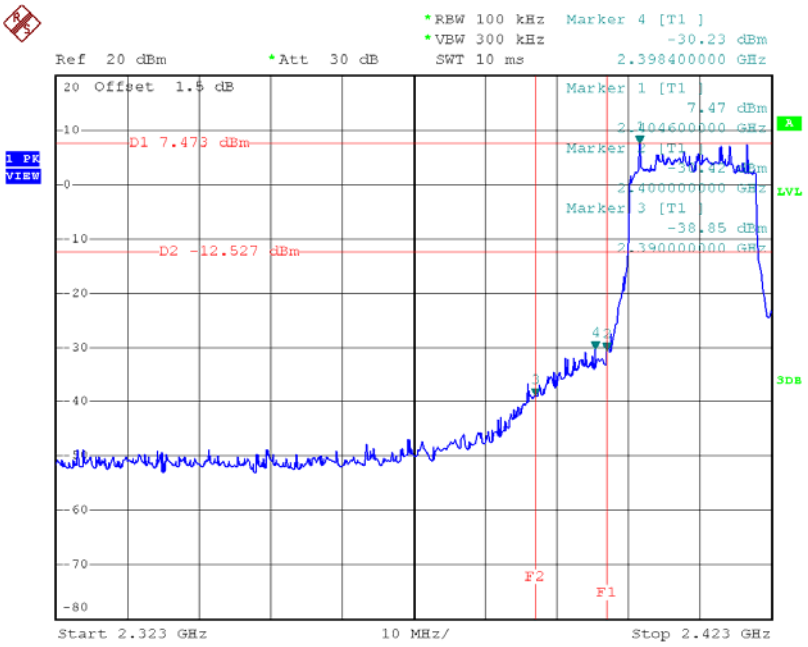


Date: 27.MAY.2016 19:50:01

For 3T3R with Beamforming

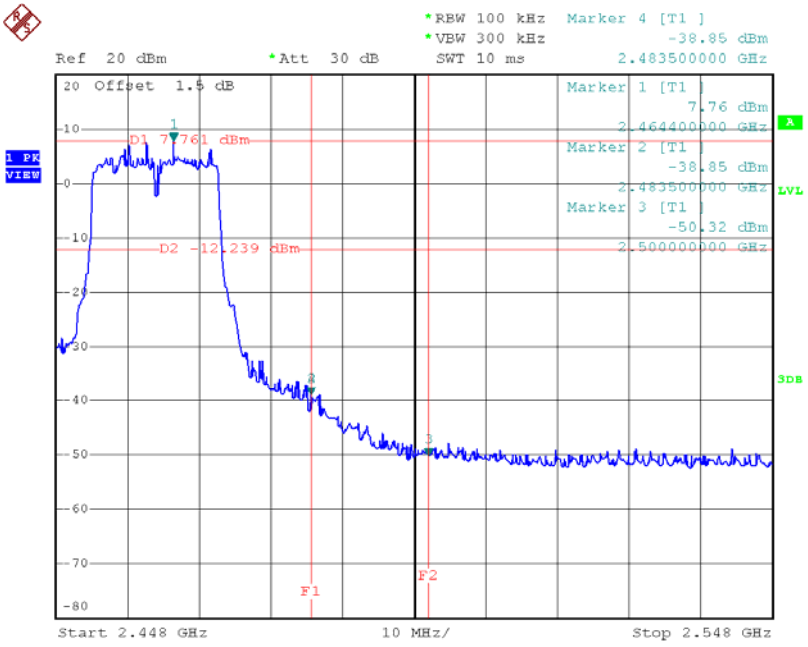
Test Mode :	TX N-20M Mode_ANT 1

TX HT20 mode CH01



Date: 25.MAY.2016 21:36:46

TX HT20 mode CH11



Date: 25.MAY.2016 21:38:46