

FCC Radio Test Report

FCC ID: QISAP505130DN

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

Project No. : 1403C078C
Equipment : Wireless LAN Access Point
Model Name : AP5030DN
Applicant : Huawei Technologies Co.,Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China

Date of Receipt : May. 28, 2014
Date of Test : May. 28, 2014 ~ Jun. 10, 2014
Issued Date : Jun. 11, 2014
Tested by : BTL Inc.

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**, or National Institute of Standards and Technology (**NIST**) of **U.S.A**.

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Limitation

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

Table of Contents	Page
1 . CERTIFICATION	6
2 . SUMMARY OF TEST RESULTS	7
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
3 . GENERAL INFORMATION	9
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	11
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	12
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	13
3.5 DESCRIPTION OF SUPPORT UNITS	14
4 . EMC EMISSION TEST	15
4.1 CONDUCTED EMISSION MEASUREMENT	15
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	15
4.1.2 TEST PROCEDURE	15
4.1.3 DEVIATION FROM TEST STANDARD	15
4.1.4 TEST SETUP	16
4.1.5 EUT OPERATING CONDITIONS	16
4.1.6 EUT TEST CONDITIONS	16
4.1.7 TEST RESULTS	16
4.2 RADIATED EMISSION MEASUREMENT	17
4.2.1 RADIATED EMISSION LIMITS	17
4.2.2 TEST PROCEDURE	18
4.2.3 DEVIATION FROM TEST STANDARD	18
4.2.4 TEST SETUP	18
4.2.5 EUT OPERATING CONDITIONS	19
4.2.6 EUT TEST CONDITIONS	19
4.2.7 TEST RESULTS (9KHZ TO 30MHZ)	20
4.2.8 TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)	20
4.2.9 TEST RESULTS (ABOVE 1000 MHZ)	20
5 . BANDWIDTH TEST	21
5.1 APPLIED PROCEDURES	21
5.1.1 TEST PROCEDURE	21
5.1.2 DEVIATION FROM STANDARD	21
5.1.3 TEST SETUP	21
5.1.4 EUT OPERATION CONDITIONS	21
5.1.5 EUT TEST CONDITIONS	21
5.1.6 TEST RESULTS	21

Table of Contents	Page
6 . MAXIMUM OUTPUT POWER TEST	22
6.1 APPLIED PROCEDURES / LIMIT	22
6.1.1 TEST PROCEDURE	22
6.1.2 DEVIATION FROM STANDARD	22
6.1.3 TEST SETUP	22
6.1.4 EUT OPERATION CONDITIONS	22
6.1.5 EUT TEST CONDITIONS	22
6.1.6 TEST RESULTS	22
7 . ANTENNA CONDUCTED SPURIOUS EMISSION	23
7.1 APPLIED PROCEDURES / LIMIT	23
7.1.1 TEST PROCEDURE	23
7.1.2 DEVIATION FROM STANDARD	23
7.1.3 TEST SETUP	23
7.1.4 EUT OPERATION CONDITIONS	23
7.1.5 EUT TEST CONDITIONS	23
7.1.6 TEST RESULTS	23
8 . POWER SPECTRAL DENSITY TEST	24
8.1 APPLIED PROCEDURES / LIMIT	24
8.1.1 TEST PROCEDURE	24
8.1.2 DEVIATION FROM STANDARD	24
8.1.3 TEST SETUP	24
8.1.4 EUT OPERATION CONDITIONS	24
8.1.5 EUT TEST CONDITIONS	24
8.1.6 TEST RESULTS	24
9 . MEASUREMENT INSTRUMENTS LIST	25
10 . EUT TEST PHOTO	27
ATTACHMENT A - CONDUCTED EMISSION	31
ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)	34
ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)	36
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	43
ATTACHMENT E - BANDWIDTH	92
ATTACHMENT F - MAXIMUM OUTPUT POWER	101
ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION	111
ATTACHMENT H - POWER SPECTRAL DENSITY	232

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
NEI-FICP-1-1403C080B	Original Issue.	Jun. 05, 2014
BTL-FCCP-1-1403C078C	Compared with previous report (NEI-FICP-1-1403C080B), differences as follow: antenna type is changed, which has a higher gain. The conducted power specifications are not changed.	Jun. 11, 2014

1. CERTIFICATION

Equipment : Wireless LAN Access Point
Brand Name : HUAWEI
Model Name : AP5030DN
Applicant : HUAWEI Communications Corporation
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. 28, 2014 ~ Jun. 10, 2014
Test Item : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart C(15.247) / ANSI C63.4-2009
Canada RSS-210:2010
RSS-GEN Issue 3, Dec 2010

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1403C078C) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C Canada RSS-210:2010; RSS-GEN Issue 3, Dec 2010				
Standard(s) Section		Test Item	Judgment	Remark
FCC	IC			
15.207	RSS-GEN 7.2.2	Conducted Emission	PASS	
15.247(d)	RSS-210 Annex 8 (A8.5)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	RSS-210 Annex 8 (A8.2(a))	6dB Bandwidth	PASS	
15.247(b)(3)	RSS-210 Annex 8 (A8.4(4))	Peak Output Power	PASS	
15.247(e)	RSS-210 Annex 8 (A8.2(b))	Power Spectral Density	PASS	
15.203	-	Antenna Requirement	PASS	
15.209/15.205	RSS-210 Annex 8 (A8.5)	Transmitter Radiated Emissions	PASS	

NOTE:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The test follows FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r02 (Measurement Guidelines of DTS)

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C02/DG-CB03** at the location of No.3,Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.523792

BTL's test firm number for FCC: 319330

BTL's test firm number for IC: 4428B-1

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

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U , (dB)	NOTE
DG-C02	CISPR	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U , (dB)	NOTE
DG-CB03	CISPR	9KHz~30MHz	V	3.79	
		9KHz~30MHz	H	3.57	
		30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	H	3.60	
		200MHz ~ 1,000MHz	V	3.86	
		200MHz ~ 1,000MHz	H	3.94	
		1GHz~18GHz	V	3.12	
		1GHz~18GHz	H	3.68	
		18GHz~40GHz	V	4.15	
		18GHz~40GHz	H	4.14	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless LAN Access Point	
Brand Name	HUAWEI	
Model Name	AP5030DN	
Model Difference	Compared with previous report (NEI-FICP-1-1403C080B), the differ in below: 1. The antenna type change to internal antenna. 2. The antenna gain was changed. 3. The model name was changed. The rest are the same.	
Product Description	Operation Frequency	2412~2462 MHz
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM
	Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 450 Mbps
	Output Power (Max.) for 1TX	802.11b: 22.82dBm 802.11g: 21.81dBm 802.11n(20MHz): 21.03dBm 802.11n(40MHz): 20.11dBm
	Output Power (Max.) for 2TX	802.11b: 23.02dBm 802.11g: 22.26dBm 802.11n(20MHz):21.51dBm 802.11n(40MHz): 20.83dBm
	Output Power (Max.) for 3TX	802.11b: 23.78dBm 802.11g: 22.92dBm 802.11n(20MHz): 22.10dBm 802.11n(40MHz): 21.38dBm
Power Source	Dc voltage supplied from adapter or PoE. #1 Brand/ Model: HUAWEI / HW-120200U1W	
Power Rating	I/P:AC 100-240V 50/60Hz 0.8A DC 12.0V 2.0A	
Connecting I/O Port(s)	Please refer to the User's Manual	

Note:

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

2. Channel List:

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

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
A	Nippon	C15N13Z100BB	Integral Antenna	N/A	4.05	TX/RX
B	Nippon	C15N13Z100BB	Integral Antenna	N/A	4.48	TX/RX
C	Nippon	C15N13Z100BB	Integral Antenna	N/A	3.50	TX/RX

Note:

- The EUT incorporates a MIMO function. Physically, the EUT provides three completed three transmitters and three receivers (3T3R), all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}** , that is Directional gain=4.48.
- ANT A for 1TX was found to be the worst case and recorded.

4.

Operating Mode TX Mode	1TX	2TX	3TX
802.11b	V (ANT A)	V (ANT A + ANT B))	V (ANT A + ANT B + ANT C)
802.11g	V (ANT A)	V (ANT A + ANT B)	V (ANT A + ANT B + ANT C)
802.11n(20MHz)	V (ANT A)	V (ANT A + ANT B)	V (ANT A + ANT B + ANT C)
802.11n(40MHz)	V (ANT A)	V (ANT A + ANT B)	V (ANT A + ANT B + ANT C)

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly 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: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (19.5Mbps)
802.11n HT40 mode : BPSK (40.5Mbps)
For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated, the 3TX (ANT A+ANT B+ANT C) is found to be the worst case and recorded.
- (4) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

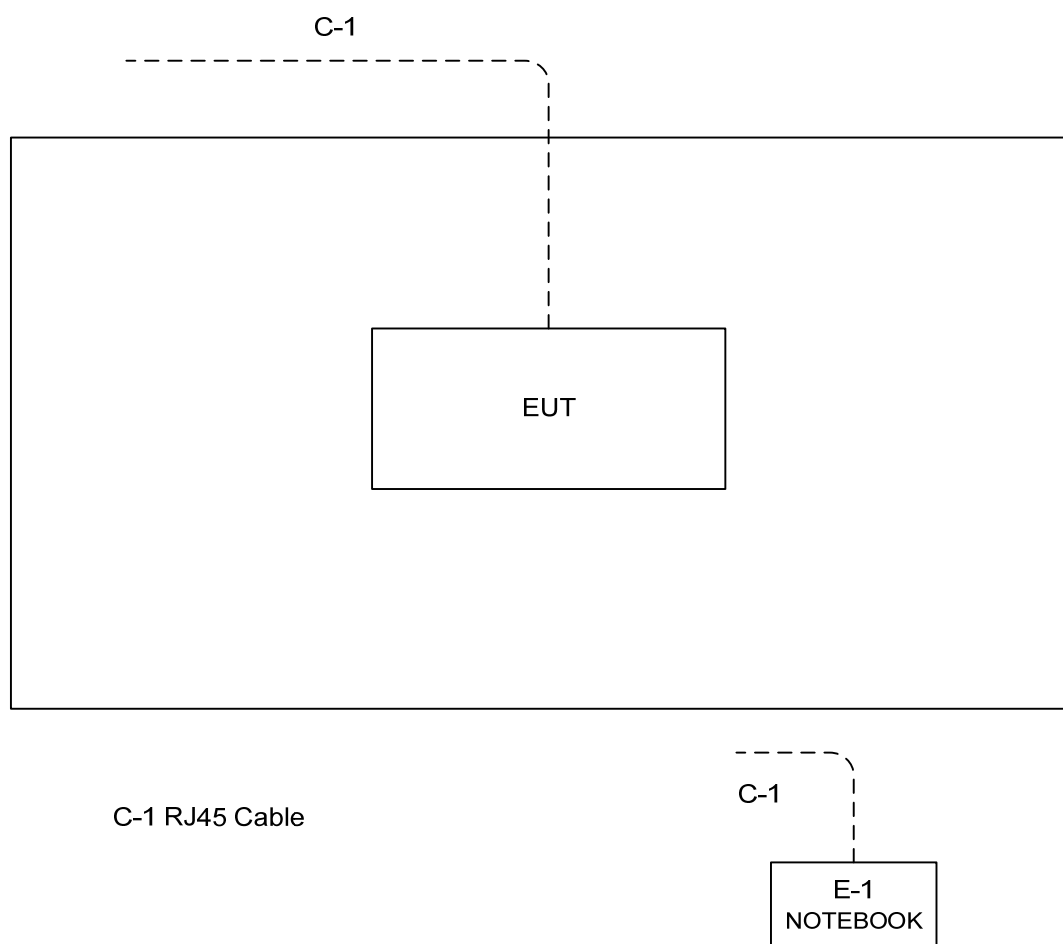
During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final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

1TX			
Test software version	CART		
Frequency	2412 MHz	2437 MHz	2462 MHz
IEEE 802.11b DSSS	20	20	20
IEEE 802.11g OFDM	12	17	12
IEEE 802.11n (20MHz)	12	15	12
Frequency	2422 MHz	2437 MHz	2452 MHz
IEEE 802.11n (40MHz)	10	14	10

2TX			
Test software version	CART		
Frequency	2412 MHz	2437 MHz	2462 MHz
IEEE 802.11b DSSS	17	17	17
IEEE 802.11g OFDM	9	14	9
IEEE 802.11n (20MHz)	9	12	9
Frequency	2422 MHz	2437 MHz	2452 MHz
IEEE 802.11n (40MHz)	7	11	7

3TX			
Test software version	CART		
Frequency	2412 MHz	2437 MHz	2462 MHz
IEEE 802.11b DSSS	15	15	15
IEEE 802.11g OFDM	7	12	7
IEEE 802.11n (20MHz)	7	10	7
Frequency	2422 MHz	2437 MHz	2452 MHz
IEEE 802.11n (40MHz)	5	9	5

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



C-1 RJ45 Cable

C-1

E-1
NOTEBOOK

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/IC	Series No.	Note
E-1	NOTEBOOK	HP	HP NB 331	DOC	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	10m	

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

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

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

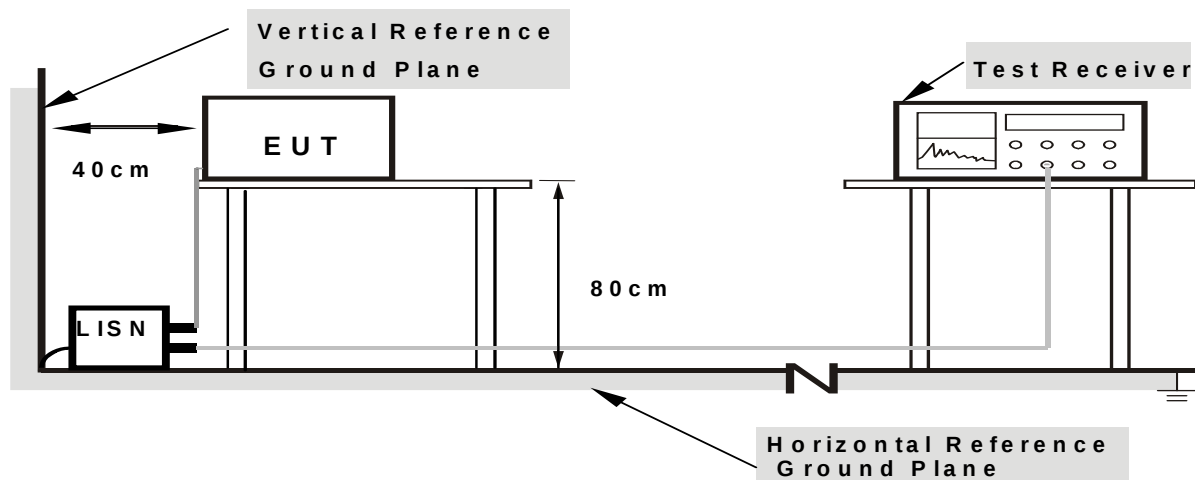
4.1.2 TEST PROCEDURE

- 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 configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

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

20dB in any 100 KHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a) & RSS-210 section 2.2& Annex 8 (A8.5), then the 15.209(a)& RSS-Gen 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).

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

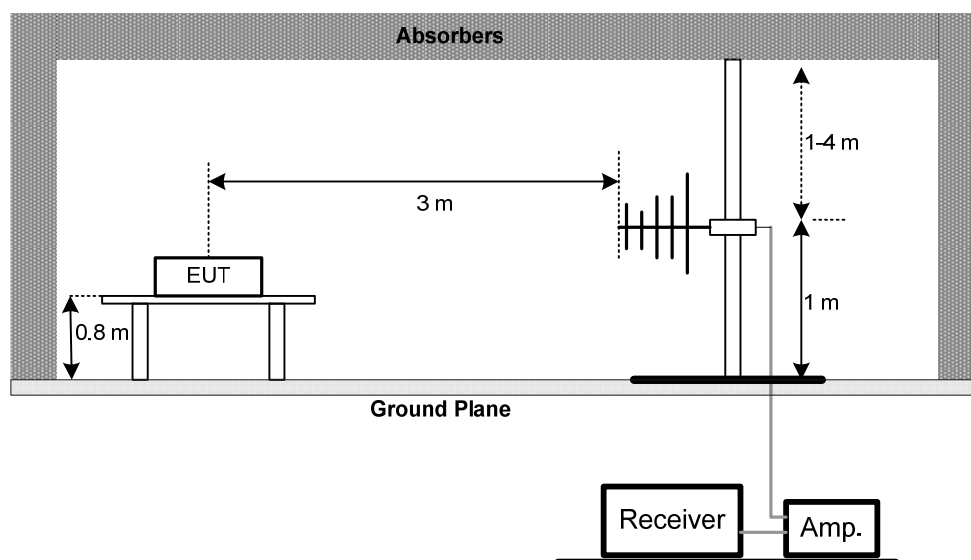
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8 m; 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.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

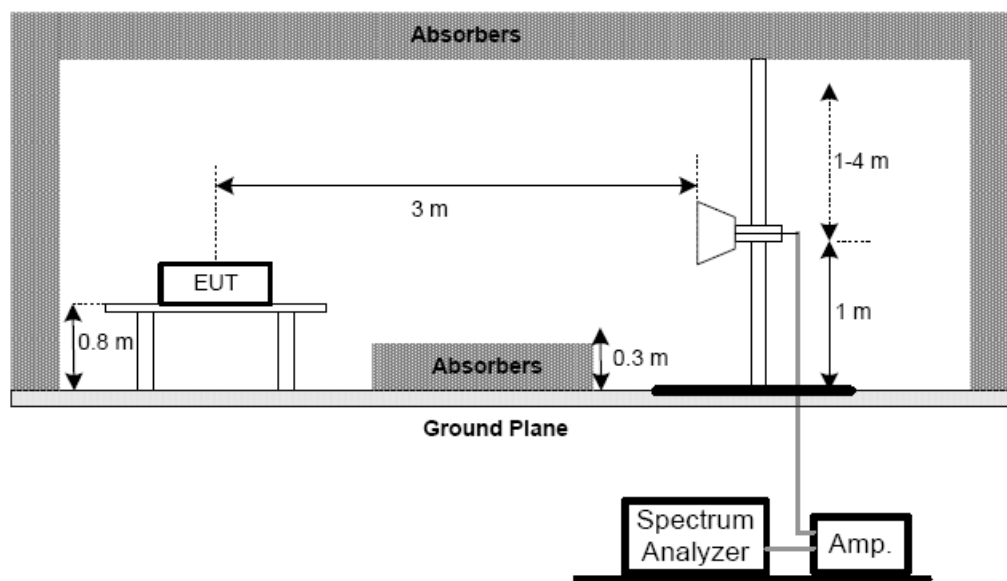
No deviation

4.2.4 TEST SETUP

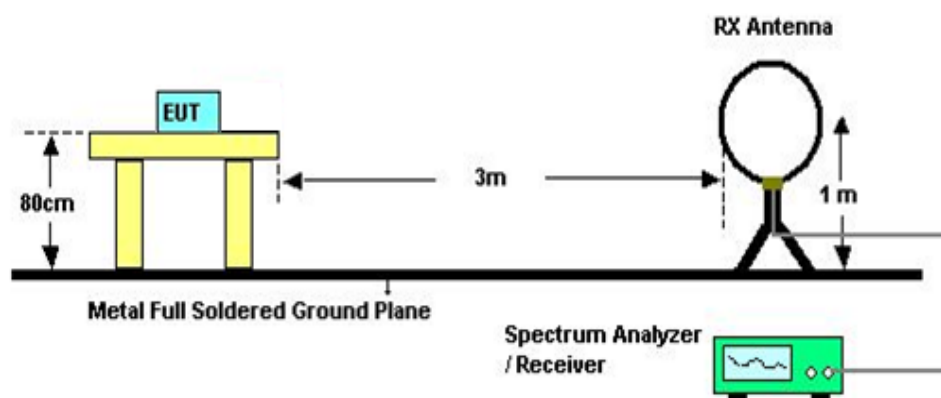
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

5. BANDWIDTH TEST

5.1 Applied procedures

FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-210			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2) RSS-GEN section 4.6.1 RSS-210 Annex 8 (A8.2(a))	Bandwidth	2400-2483.5	PASS

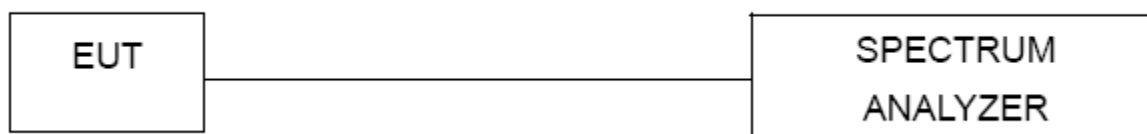
5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

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 OUTPUT POWER TEST

6.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C/ RSS-210				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3) RSS-210 Annex 8.4(4)	Maximum Output Power	1 Watt or 30dBm	2400-2483.5	PASS

6.1.1 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- The maximum peak conducted output power was performed in accordance with method 9.1.3 of FCC KDB 558074 D01 DTS Meas Guidance v03r01.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing. Transmit output power was measured while the host equipment supply voltage was varied from 85 % to 115 % of the nominal rated supply voltage. No change in transmit output power was observed.

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 intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

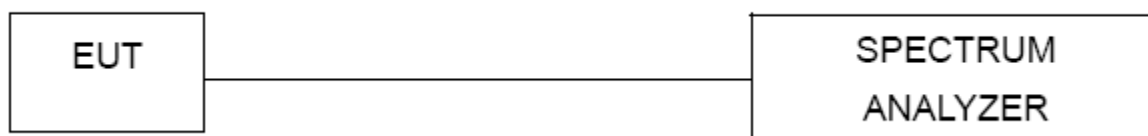
7.1.1 TEST PROCEDURE

- 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.

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

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 / RSS-210				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e) RSS-210 Annex 8(A8.2(b))	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

8.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW=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 tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

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	00052765	Mar. 29, 2015
2	LISN	R&S	ENV216	101447	Mar. 29, 2015
3	Test Cable	N/A	C_17	N/A	Mar. 14, 2015
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 29, 2015

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EMCO	3142C	00066462	Mar. 29, 2015
2	Antenna	EMCO	3142C	00066464	Mar. 29, 2015
3	Amplifier	Agilent	8447D	2944A11203	Nov. 11, 2014
4	Amplifier	Agilent	8447D	2944A11204	Nov. 11, 2014
5	Spectrum Analyzer	Agilent	E4443A	MY48250370	Nov. 11, 2014
6	RF Pre-selector	Agilent	N9039A	MY46520201	Nov. 11, 2014
7	Test Cable	N/A	Cable_5m_8m_15m	N/A	Jan. 14, 2015
8	Test Cable	N/A	Cable_5m_11m_15m	N/A	Jan. 14, 2015
9	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
10	RF Pre-selector	Agilent	N9039A	MY46520214	Nov. 11, 2014
11	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
12	Horn Antenna	EMCO	3115	9605-4803	Mar. 29, 2015
13	Amplifier	Agilent	8449B	3008A02584	Nov. 11, 2014
14	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
15	Test Cable	Huber+Suhner	SUCOFLEX_15m_4m	N/A	Jan. 14, 2015

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Mar. 29, 2015
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Mar. 29, 2015

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

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

10. EUT TEST PHOTO

Conducted Measurement Photos



Radiated Measurement Photos

9KHz to 30MHz



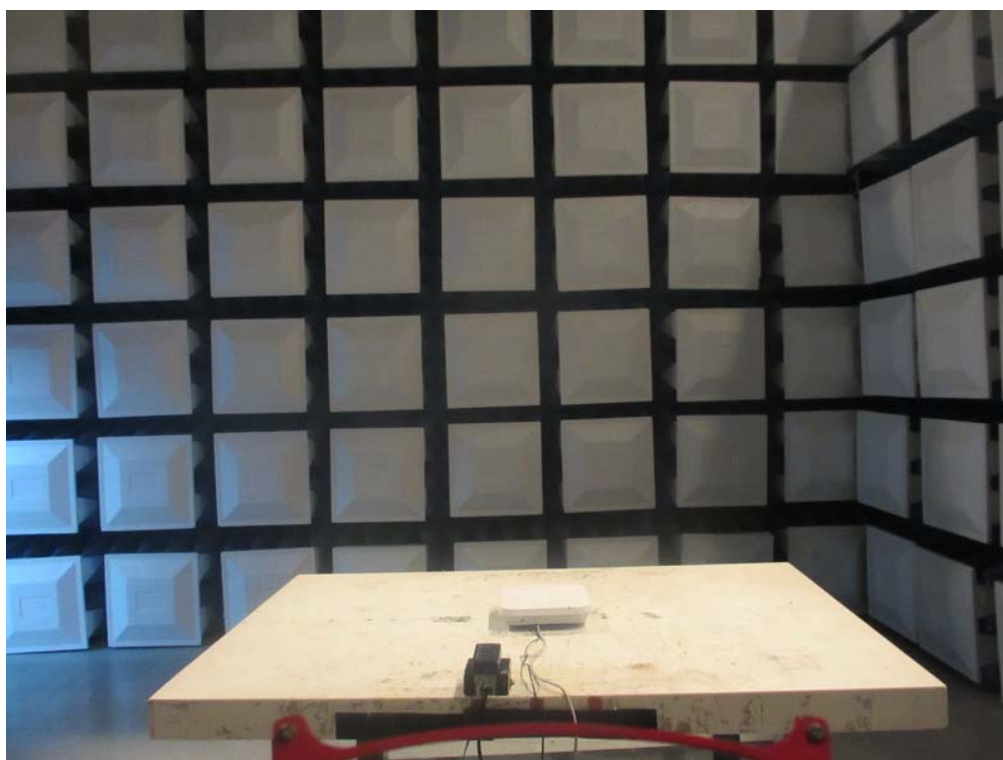
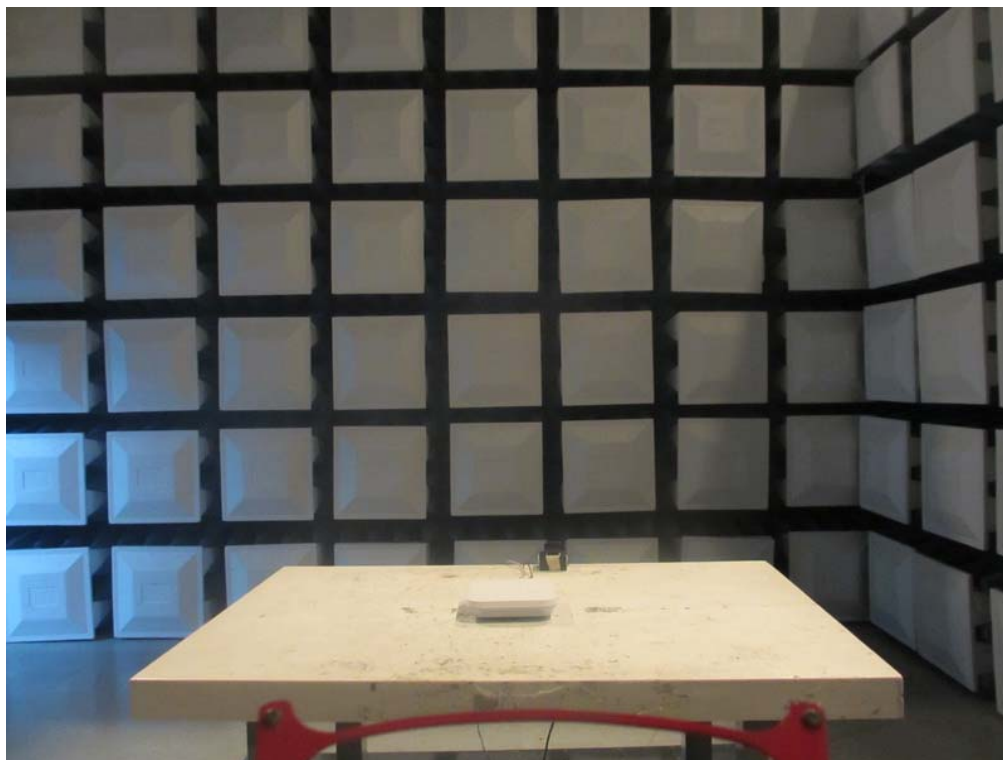
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

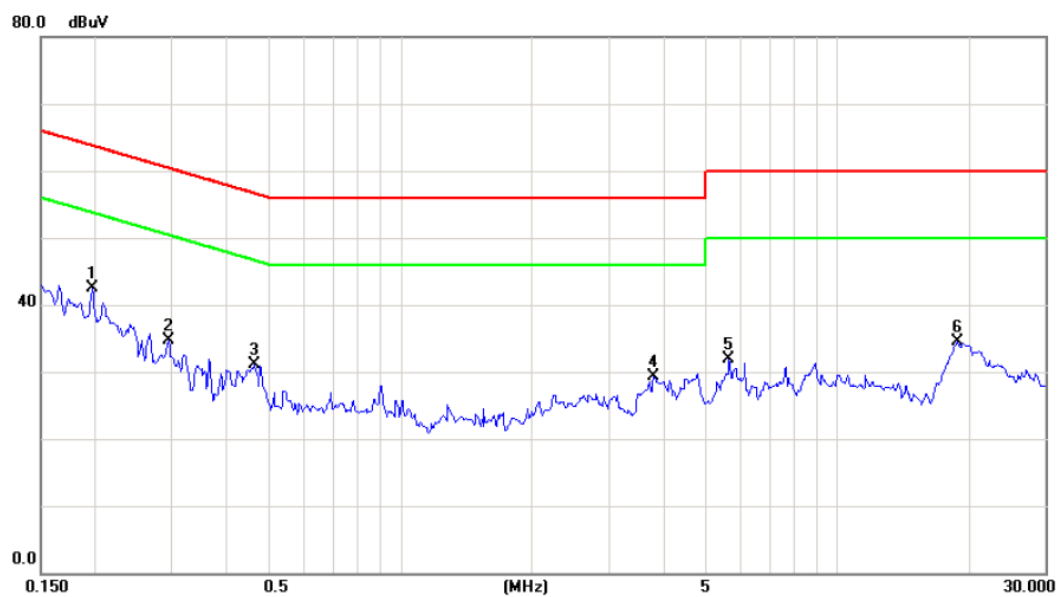
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX MODE

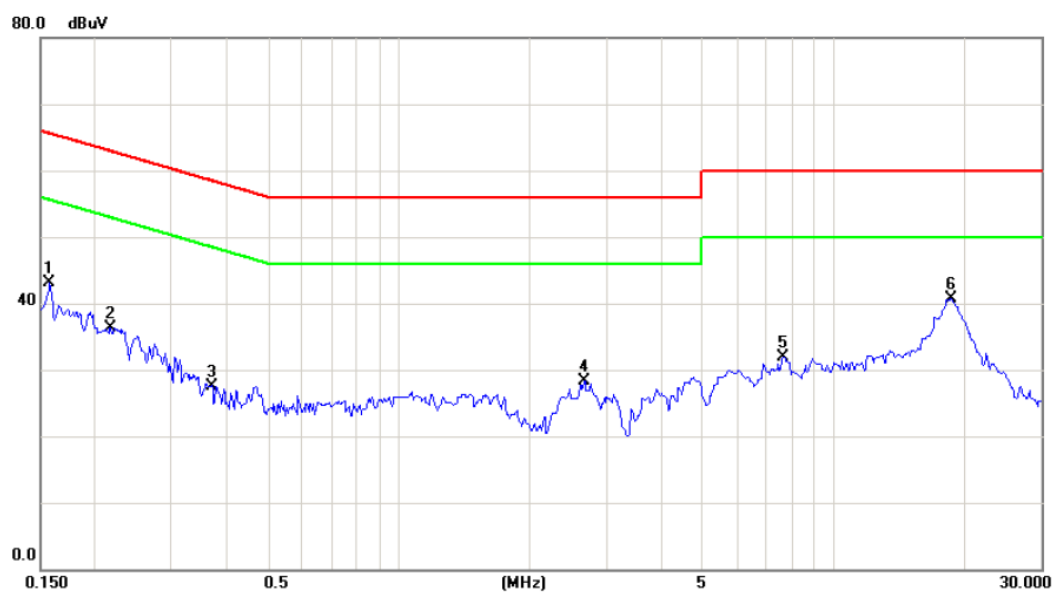
Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1968	32.79	9.65	42.44	63.74	-21.30	peak	
2		0.2945	25.04	9.67	34.71	60.40	-25.69	peak	
3		0.4625	21.42	9.70	31.12	56.65	-25.53	peak	
4		3.8007	19.43	9.88	29.31	56.00	-26.69	peak	
5		5.6680	21.90	9.94	31.84	60.00	-28.16	peak	
6		18.8515	24.31	10.26	34.57	60.00	-25.43	peak	

Test Mode : TX MODE

Neutral



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1577	33.44	9.70	43.14	65.58	-22.44	peak	
2	0.2172	26.68	9.71	36.39	62.93	-26.54	peak	
3	0.3725	17.87	9.73	27.60	58.44	-30.84	peak	
4	2.6772	18.35	9.88	28.23	56.00	-27.77	peak	
5	7.6680	21.90	10.05	31.95	60.00	-28.05	peak	
6 *	18.6755	30.22	10.43	40.65	60.00	-19.35	peak	

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

Test Mode: TX Mode 2412MHz

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0094	0°	68.35	24.30	92.65	128.13	-35.48	AV
0.0094	0°	72.35	24.30	96.65	148.13	-51.48	PK
0.0134	0°	70.35	24.30	94.65	125.06	-30.41	AV
0.0134	0°	79.35	24.30	103.65	145.06	-41.41	PK
0.0243	0°	56.36	24.03	80.39	119.89	-39.50	AV
0.0243	0°	60.12	24.03	84.15	139.89	-55.74	PK
0.0328	0°	61.36	23.49	84.85	117.29	-32.44	AV
0.0328	0°	65.38	23.49	88.87	137.29	-48.42	PK
0.5680	0°	18.72	20.02	38.74	72.52	-33.78	QP
1.7536	0°	18.95	19.52	38.47	69.54	-31.07	QP

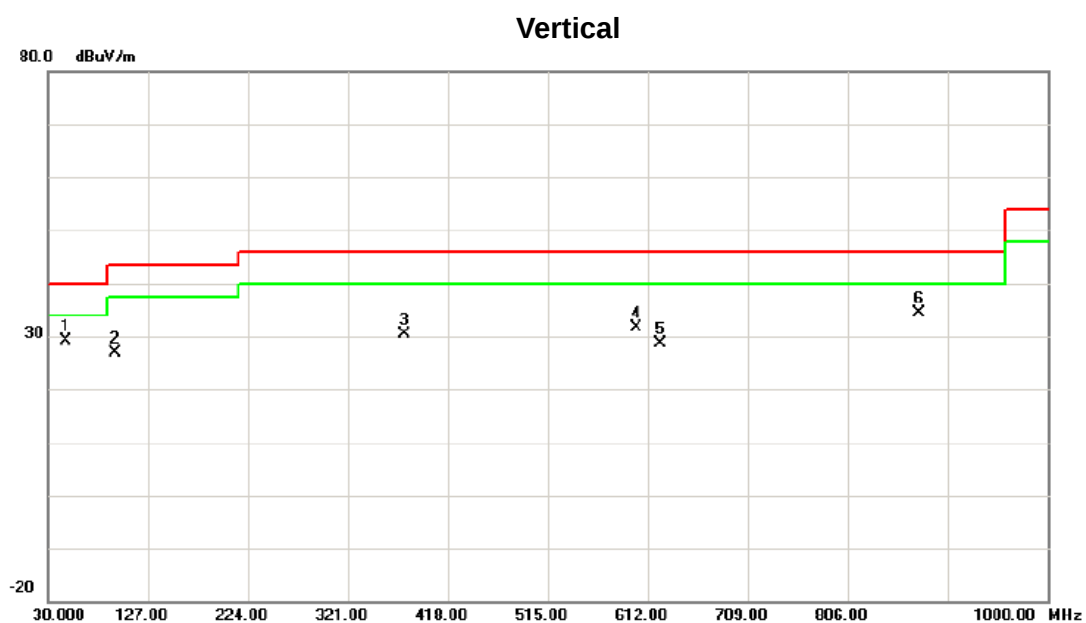
Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0094	90°	76.35	24.30	100.65	128.18	-27.53	AVG
0.0094	90°	82.36	24.30	106.66	148.18	-41.52	PK
0.0237	90°	56.38	24.07	80.45	120.11	-39.66	AVG
0.0237	90°	59.35	24.07	83.42	140.11	-56.69	PK
0.0318	90°	57.35	23.55	80.90	117.56	-36.65	AVG
0.0318	90°	58.35	23.55	81.90	137.56	-55.65	PK
0.0429	90°	59.35	22.85	82.20	114.96	-32.76	AVG
0.0429	90°	63.35	22.85	86.20	134.96	-48.76	PK
0.4912	90°	17.45	19.82	37.27	73.78	-36.51	QP
1.7156	90°	18.63	19.53	38.16	69.54	-31.38	QP

Remark:

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

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

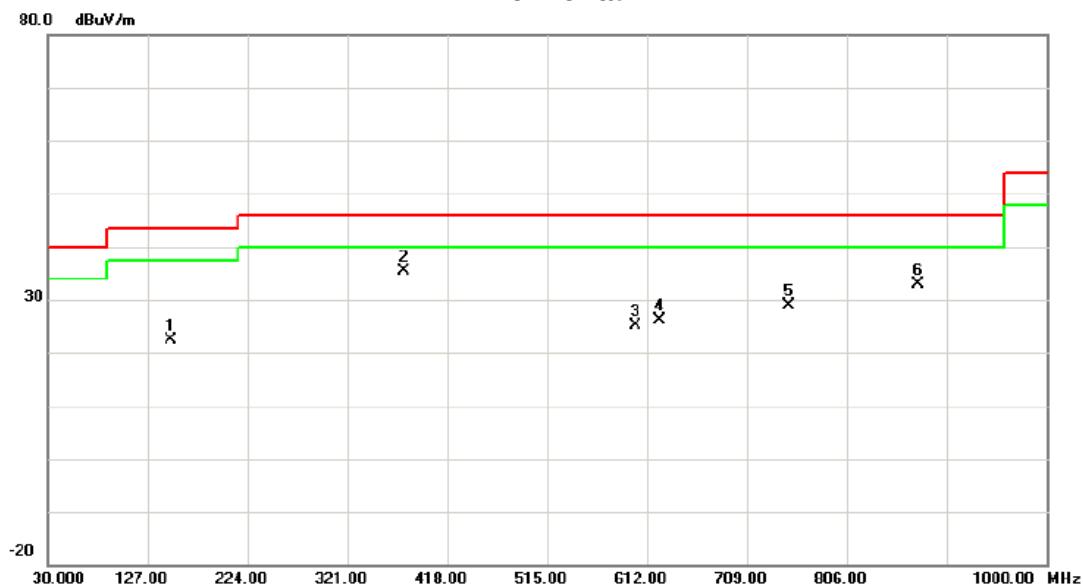
Test Mode:	TX B MODE CHANNEL 01
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	47.4600	43.47	-14.40	29.07	40.00	-10.93	peak	
2		94.9900	44.23	-17.27	26.96	43.50	-16.54	peak	
3		375.3200	41.03	-10.66	30.37	46.00	-15.63	peak	
4		600.3600	39.75	-8.08	31.67	46.00	-14.33	peak	
5		624.6100	35.49	-6.86	28.63	46.00	-17.37	peak	
6		874.8700	36.80	-2.48	34.32	46.00	-11.68	peak	

Test Mode: TX B MODE CHANNEL 01

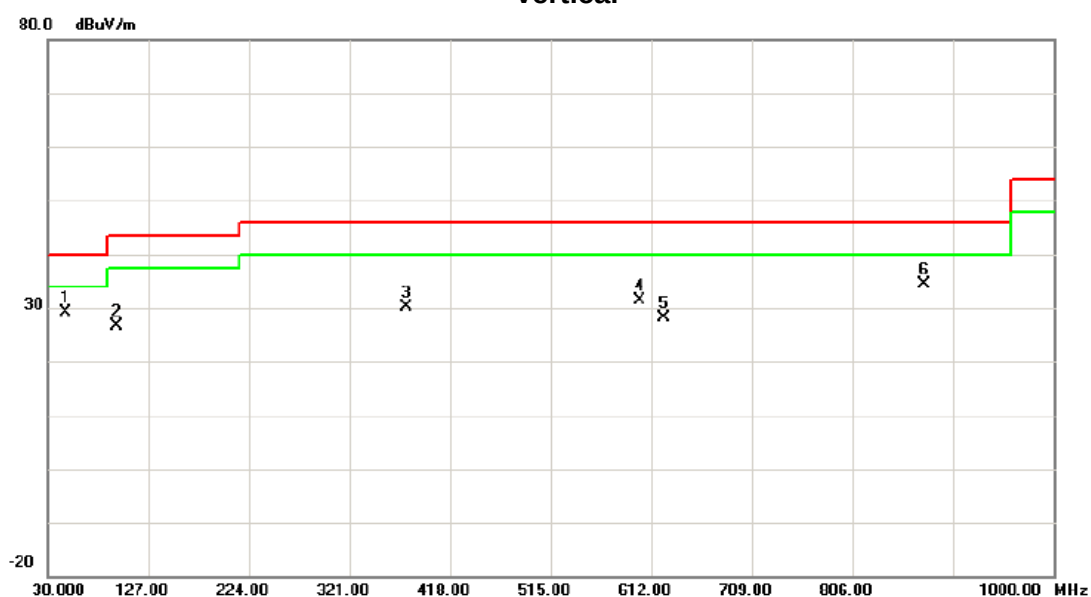
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		149.3100	36.16	-13.74	22.42	43.50	-21.08	peak	
2	*	375.3200	46.06	-10.66	35.40	46.00	-10.60	peak	
3		600.3600	33.20	-8.08	25.12	46.00	-20.88	peak	
4		624.6100	33.00	-6.86	26.14	46.00	-19.86	peak	
5		749.7400	33.90	-4.91	28.99	46.00	-17.01	peak	
6		874.8700	35.47	-2.48	32.99	46.00	-13.01	peak	

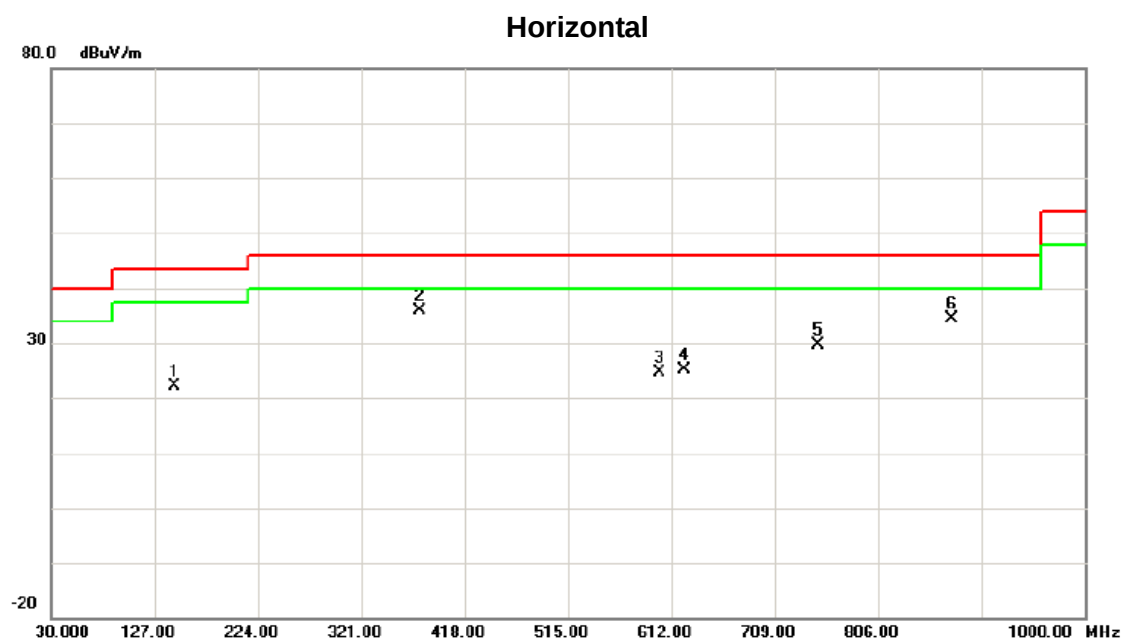
Test Mode:	TX B MODE CHANNEL 06
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Vertical



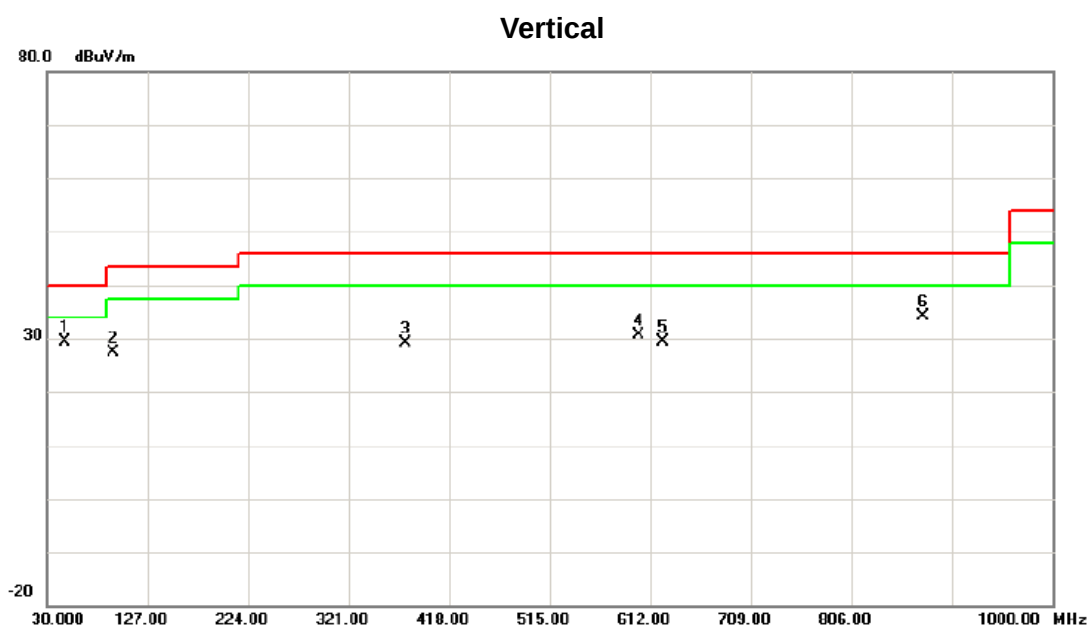
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	47.4600	43.42	-14.40	29.02	40.00	-10.98	peak	
2		95.9600	43.82	-17.07	26.75	43.50	-16.75	peak	
3		375.3200	40.86	-10.66	30.20	46.00	-15.80	peak	
4		600.3600	39.49	-8.08	31.41	46.00	-14.59	peak	
5		624.6100	35.04	-6.86	28.18	46.00	-17.82	peak	
6		874.8700	36.77	-2.48	34.29	46.00	-11.71	peak	

Test Mode:	TX B MODE CHANNEL 06
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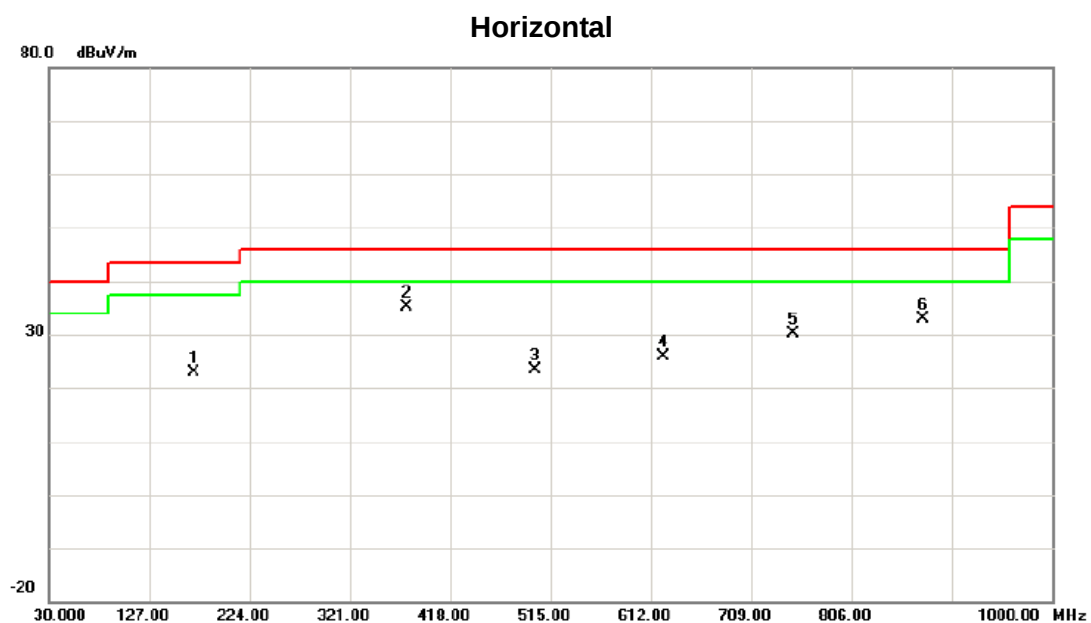
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		145.4300	35.80	-13.75	22.05	43.50	-21.45	peak	
2	*	375.3200	46.47	-10.66	35.81	46.00	-10.19	peak	
3		600.3600	32.74	-8.08	24.66	46.00	-21.34	peak	
4		624.6100	32.10	-6.86	25.24	46.00	-20.76	peak	
5		749.7400	34.53	-4.91	29.62	46.00	-16.38	peak	
6		874.8700	36.88	-2.48	34.40	46.00	-11.60	peak	

Test Mode:	TX B MODE CHANNEL 11
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	47.4600	43.90	-14.40	29.50	40.00	-10.50	peak	
2		94.0200	44.84	-17.43	27.41	43.50	-16.09	peak	
3		375.3200	39.79	-10.66	29.13	46.00	-16.87	peak	
4		600.3600	38.78	-8.08	30.70	46.00	-15.30	peak	
5		624.6100	36.34	-6.86	29.48	46.00	-16.52	peak	
6		874.8700	36.70	-2.48	34.22	46.00	-11.78	peak	

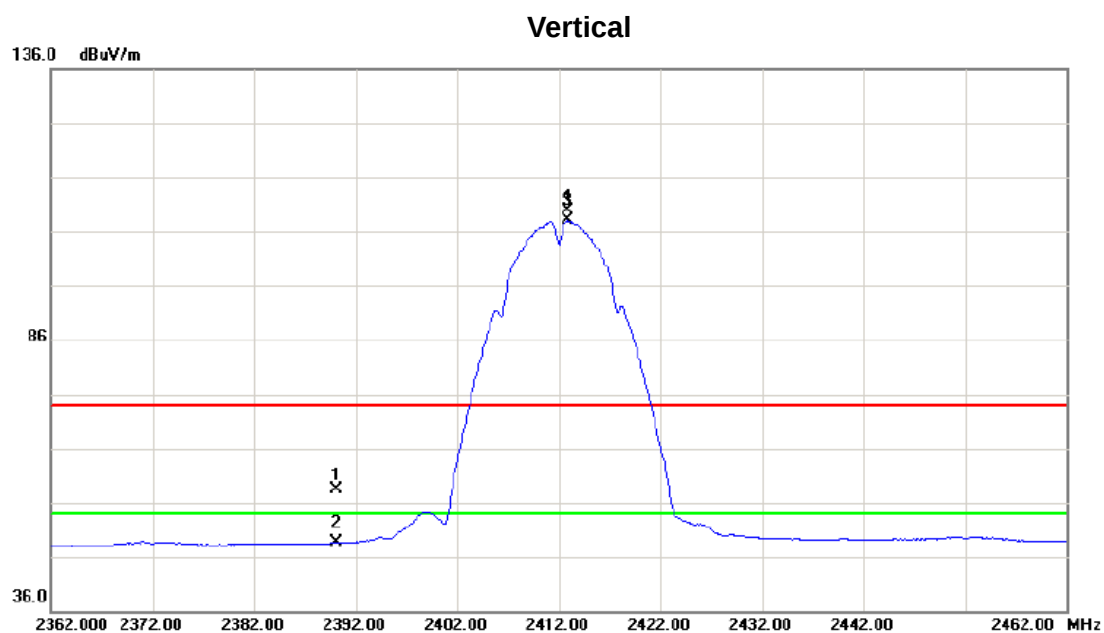
Test Mode: TX B MODE CHANNEL 11



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		169.6800	35.75	-12.76	22.99	43.50	-20.51	peak	
2	*	375.3200	45.88	-10.66	35.22	46.00	-10.78	peak	
3		500.4500	33.71	-10.31	23.40	46.00	-22.60	peak	
4		624.6100	32.66	-6.86	25.80	46.00	-20.20	peak	
5		749.7400	35.01	-4.91	30.10	46.00	-15.90	peak	
6		874.8700	35.46	-2.48	32.98	46.00	-13.02	peak	

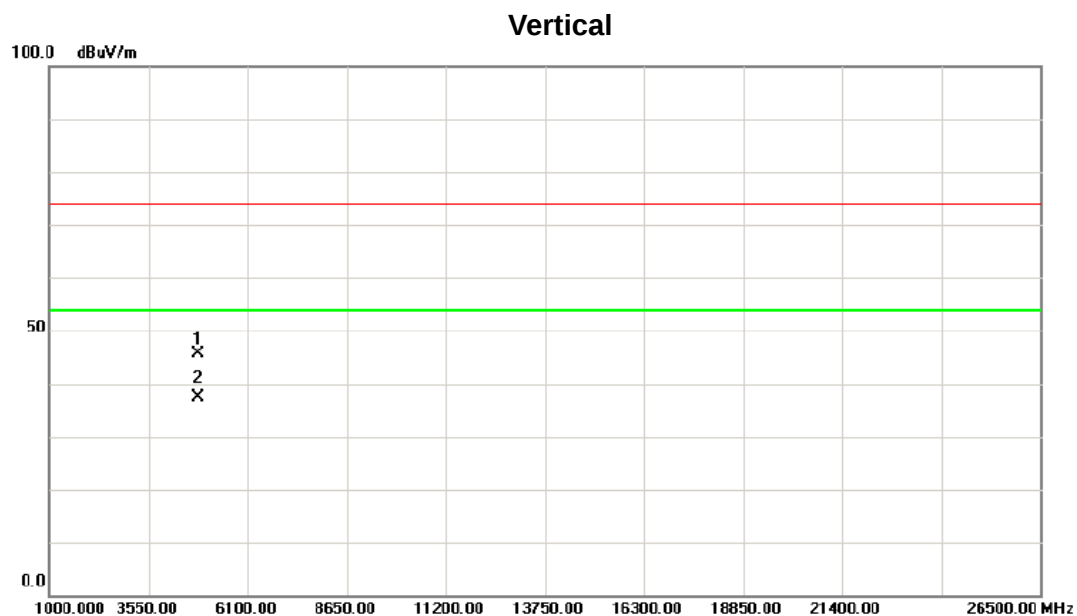
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	25.12	33.38	58.50	74.00	-15.50	peak	
2		2390.000	15.15	33.38	48.53	54.00	-5.47	AVG	
3	*	2412.800	74.59	33.44	108.03	54.00	54.03	AVG	Fundamental frequency, no limit
4	X	2412.900	76.55	33.44	109.99	74.00	35.99	peak	Fundamental frequency, no limit

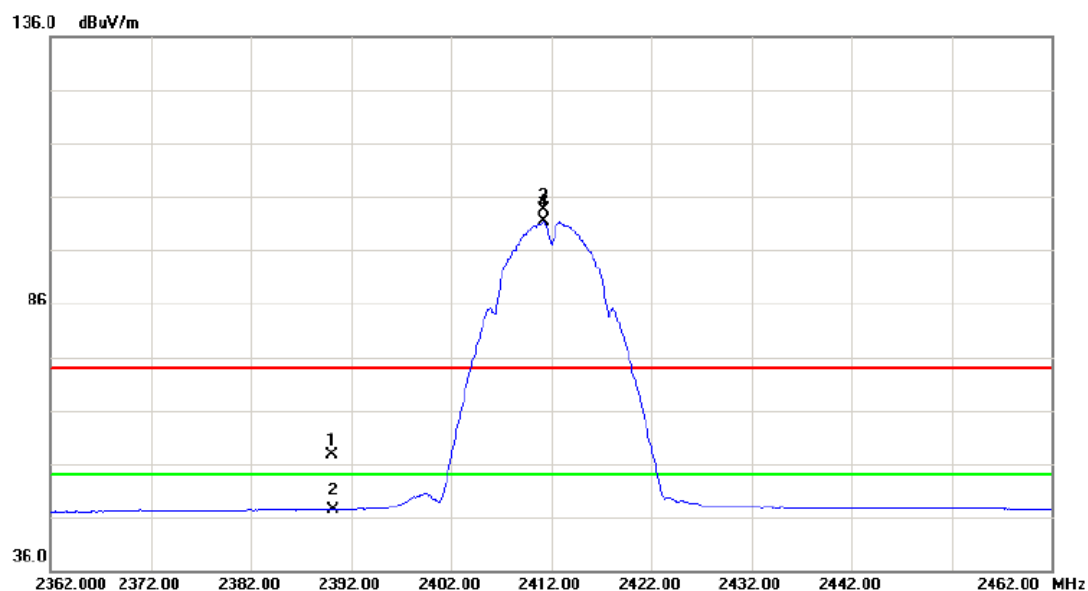
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4823.900	39.17	6.44	45.61	74.00	-28.39	peak	
2	*	4823.900	30.84	6.44	37.28	54.00	-16.72	AVG	

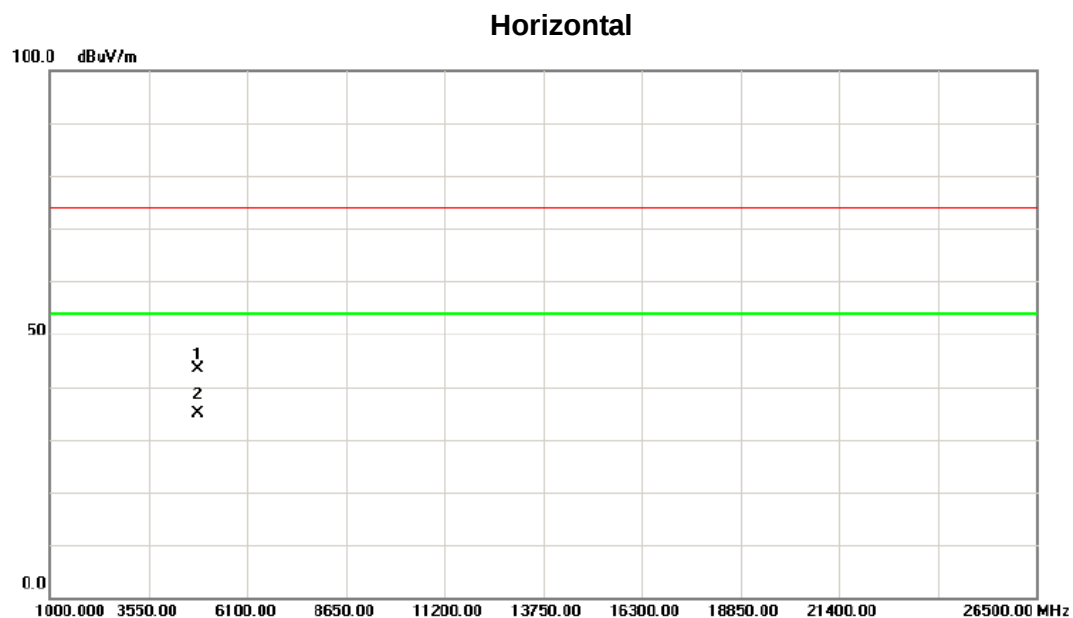
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

Horizontal



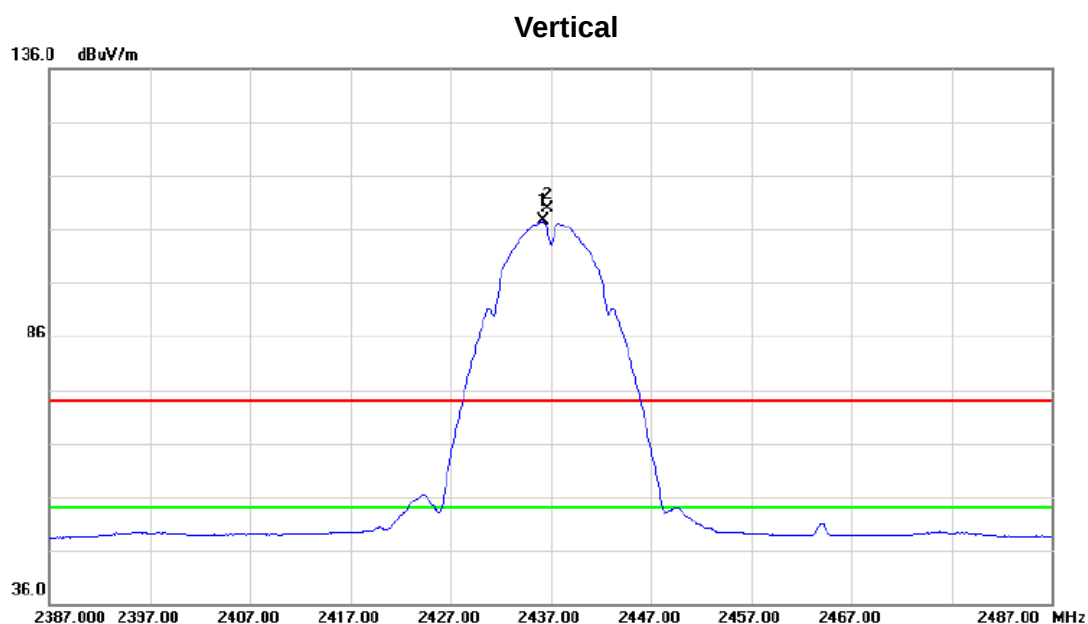
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	24.15	33.38	57.53	74.00	-16.47	peak	
2		2390.000	13.97	33.38	47.35	54.00	-6.65	AVG	
3	X	2411.200	70.14	33.44	103.58	74.00	29.58	peak	Fundamental frequency, no limit
4	*	2411.300	67.84	33.44	101.28	54.00	47.28	AVG	Fundamental frequency, no limit

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4823.900	36.88	6.44	43.32	74.00	-30.68	peak	
2	*	4823.900	28.33	6.44	34.77	54.00	-19.23	AVG	

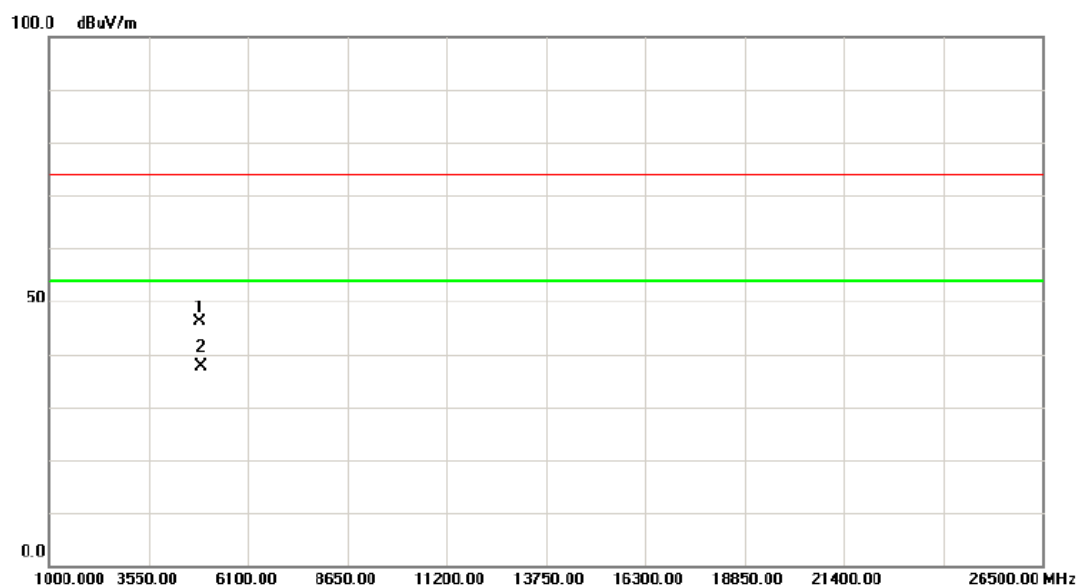
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2436.200	74.03	33.50	107.53	54.00	53.53	AVG	Fundamental frequency, no limit
2	X	2436.600	76.48	33.50	109.98	74.00	35.98	peak	Fundamental frequency, no limit

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

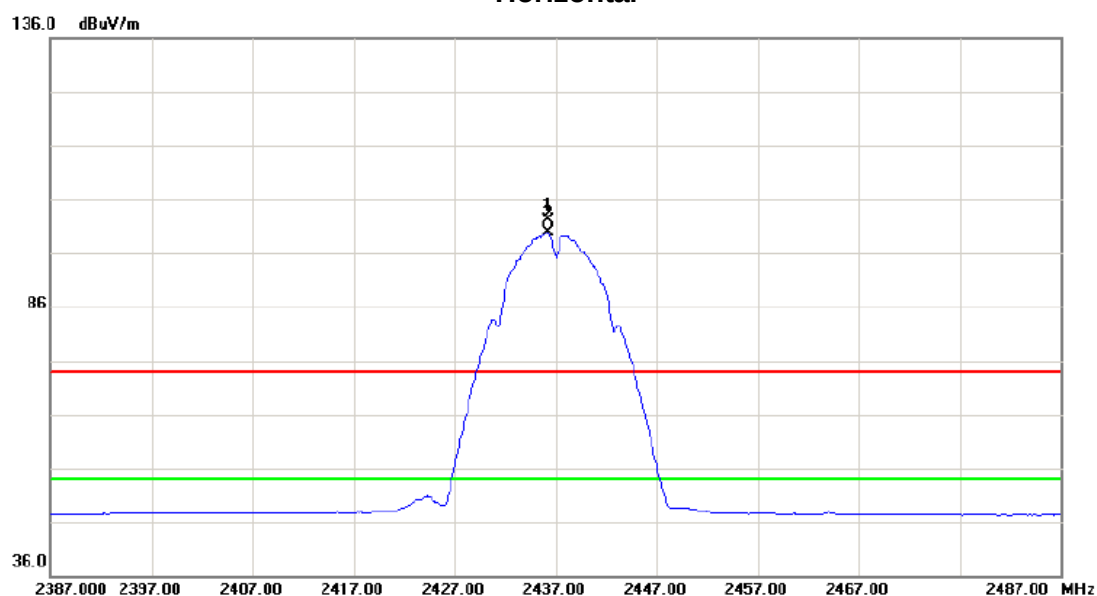
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	39.59	6.55	46.14	74.00	-27.86	peak	
2	*	4874.000	31.11	6.55	37.66	54.00	-16.34	AVG	

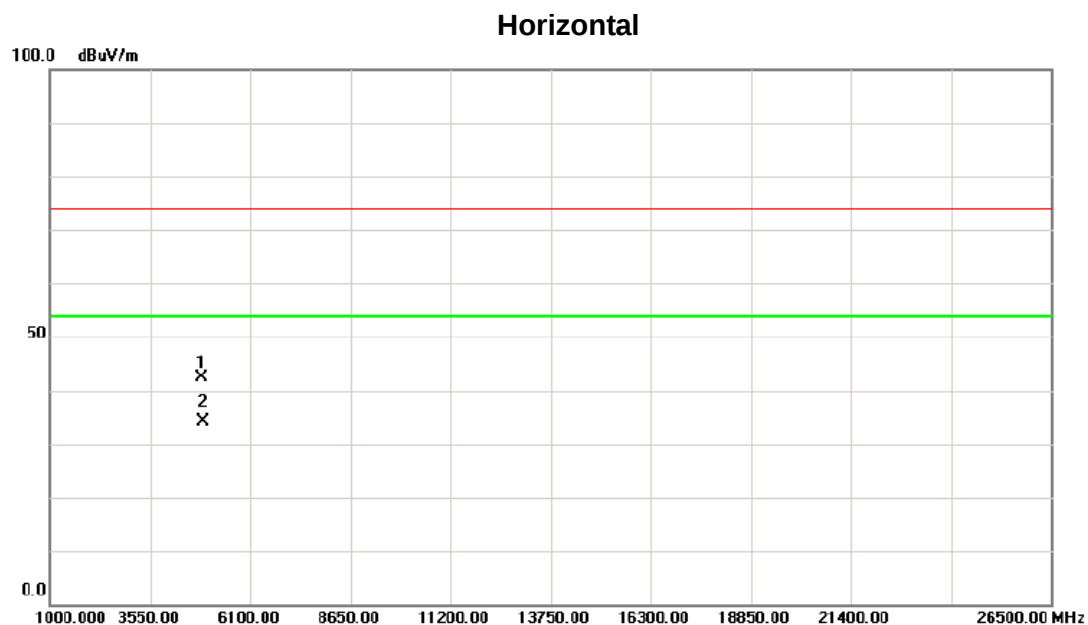
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2436.200	68.71	33.50	102.21	74.00	28.21	peak	Fundamental frequency, no limit
2	*	2436.200	66.31	33.50	99.81	54.00	45.81	AVG	Fundamental frequency, no limit

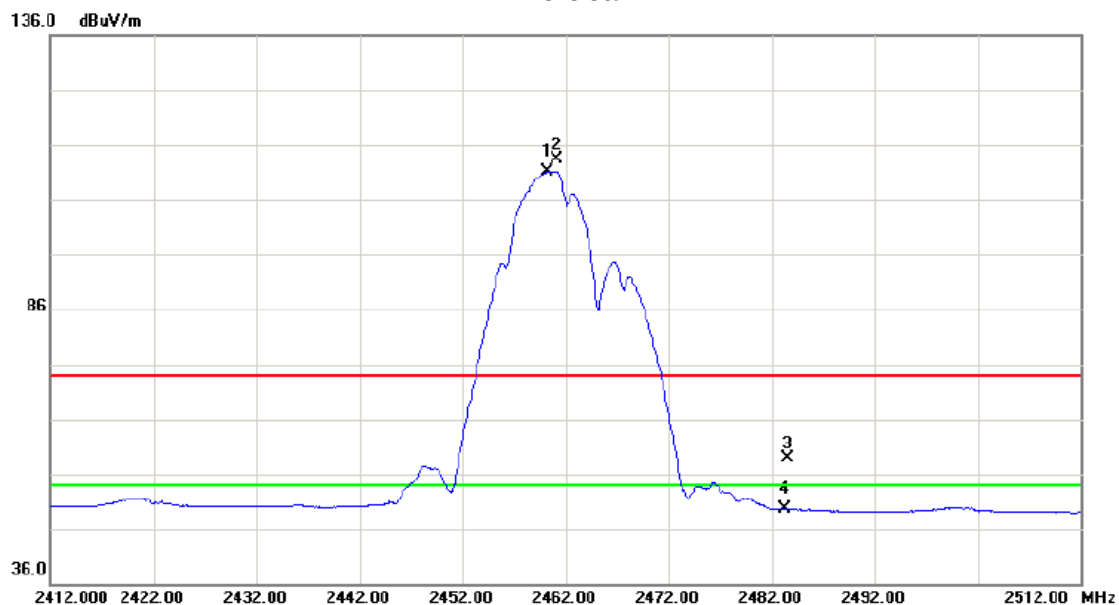
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	35.81	6.55	42.36	74.00	-31.64	peak	
2	*	4874.000	27.55	6.55	34.10	54.00	-19.90	AVG	

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

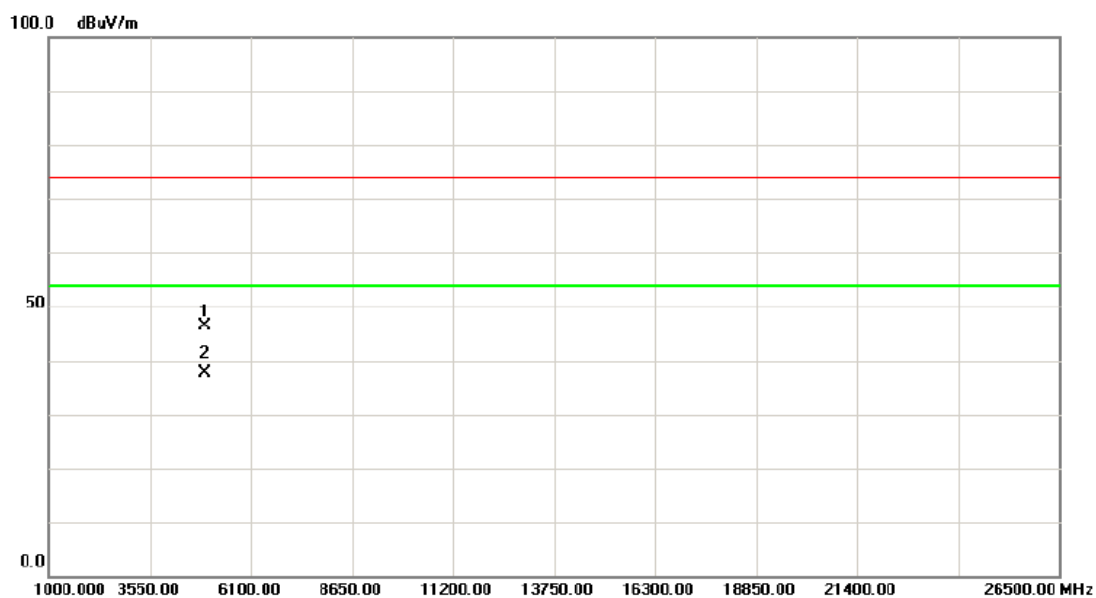
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2460.200	77.66	33.56	111.22	54.00	57.22	AVG	Fundamental frequency, no limit
2	X	2461.100	79.87	33.56	113.43	74.00	39.43	peak	Fundamental frequency, no limit
3		2483.500	25.20	33.62	58.82	74.00	-15.18	peak	
4		2483.500	16.03	33.62	49.65	54.00	-4.35	AVG	

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

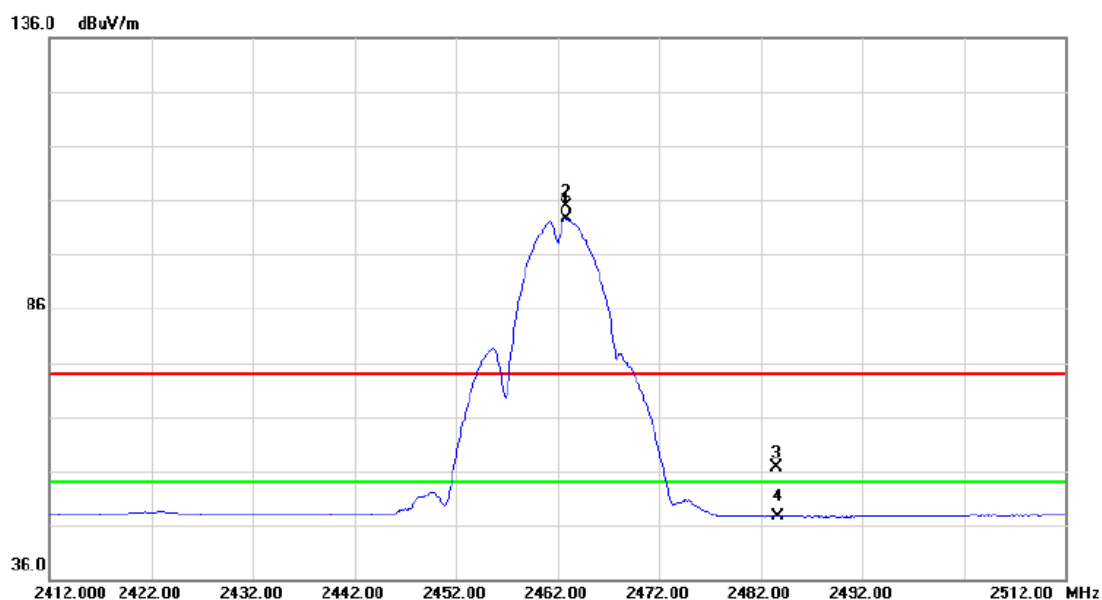
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	39.82	6.66	46.48	74.00	-27.52	peak	
2	*	4924.000	30.96	6.66	37.62	54.00	-16.38	AVG	

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

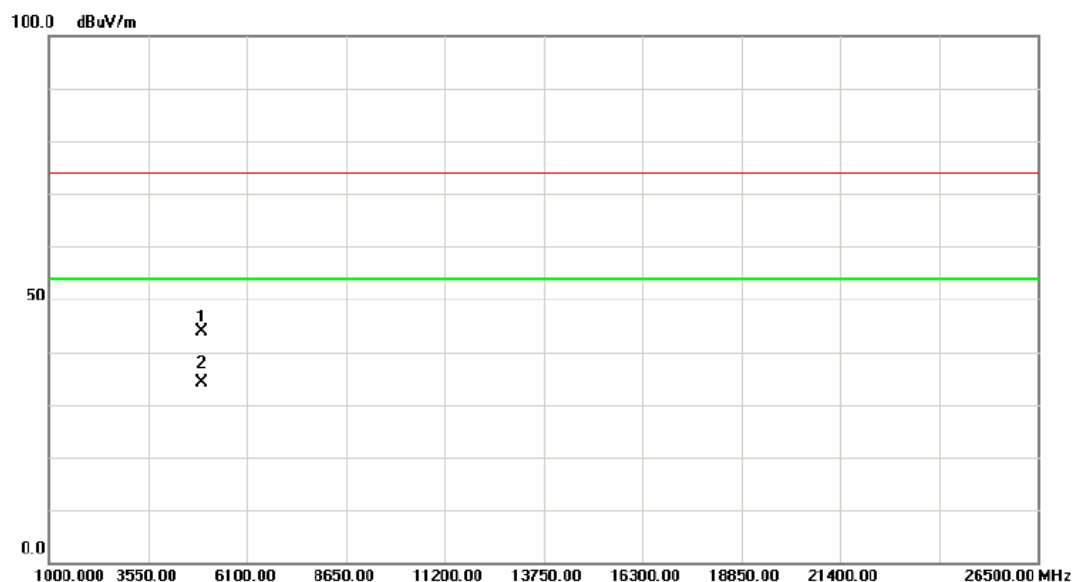
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2462.800	68.98	33.57	102.55	54.00	48.55	AVG	Fundamental frequency, no limit
2	X	2462.900	71.31	33.57	104.88	74.00	30.88	peak	Fundamental frequency, no limit
3		2483.500	23.12	33.62	56.74	74.00	-17.26	peak	
4		2483.500	13.90	33.62	47.52	54.00	-6.48	AVG	

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

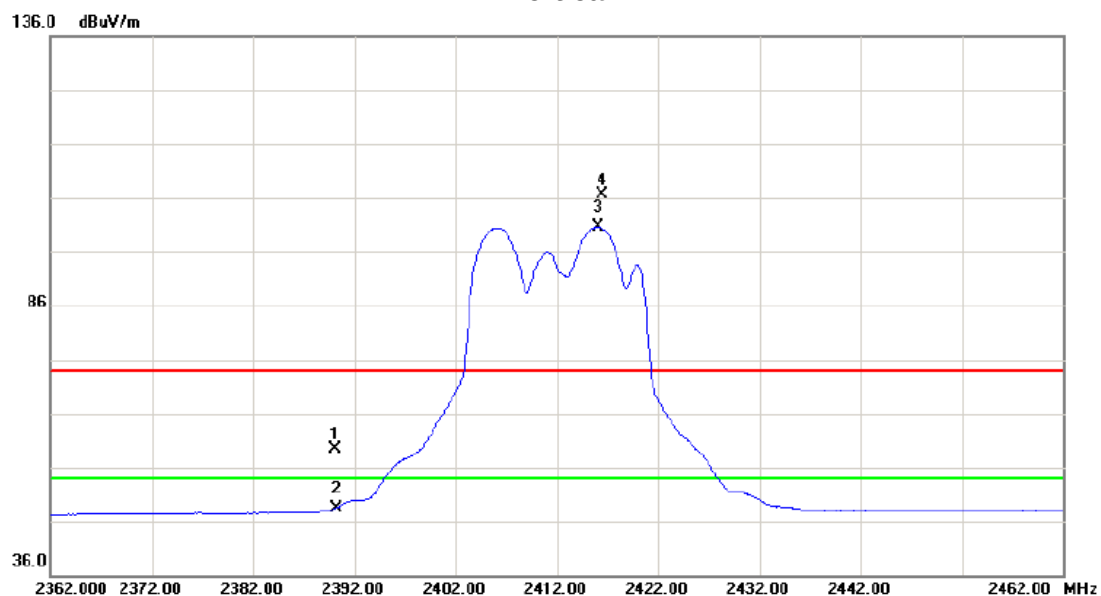
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	37.32	6.66	43.98	74.00	-30.02	peak	
2	*	4924.000	27.55	6.66	34.21	54.00	-19.79	AVG	

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

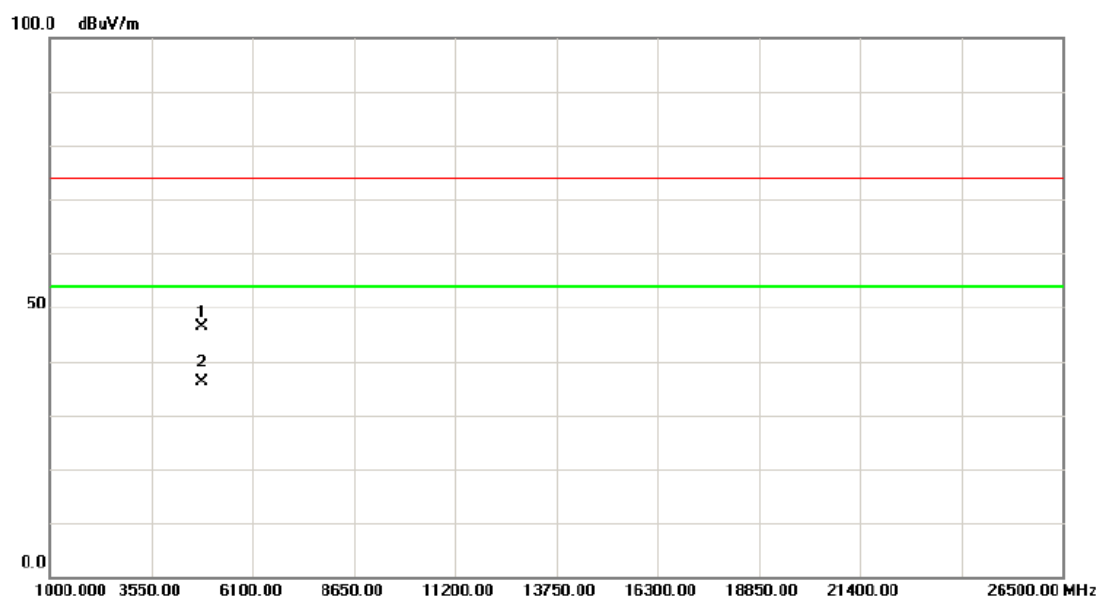
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	26.02	33.38	59.40	74.00	-14.60	peak	
2		2390.000	15.00	33.38	48.38	54.00	-5.62	AVG	
3	*	2416.000	67.18	33.45	100.63	54.00	46.63	AVG	Fundamental frequency, no limit
4	X	2416.500	73.26	33.45	106.71	74.00	32.71	peak	Fundamental frequency, no limit

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

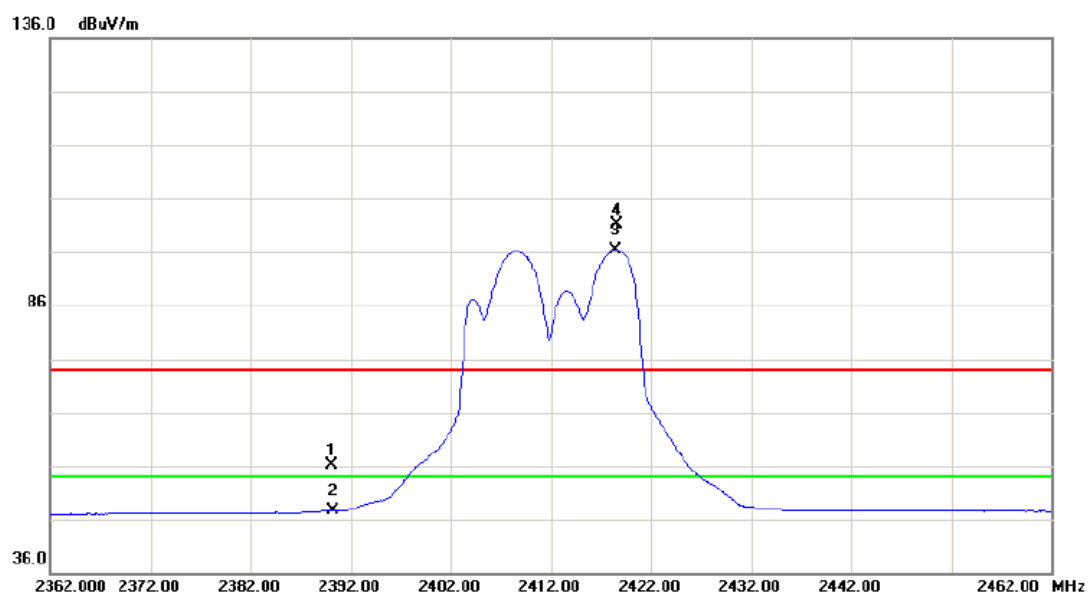
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	39.92	6.44	46.36	74.00	-27.64	peak	
2	*	4824.000	29.59	6.44	36.03	54.00	-17.97	AVG	

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

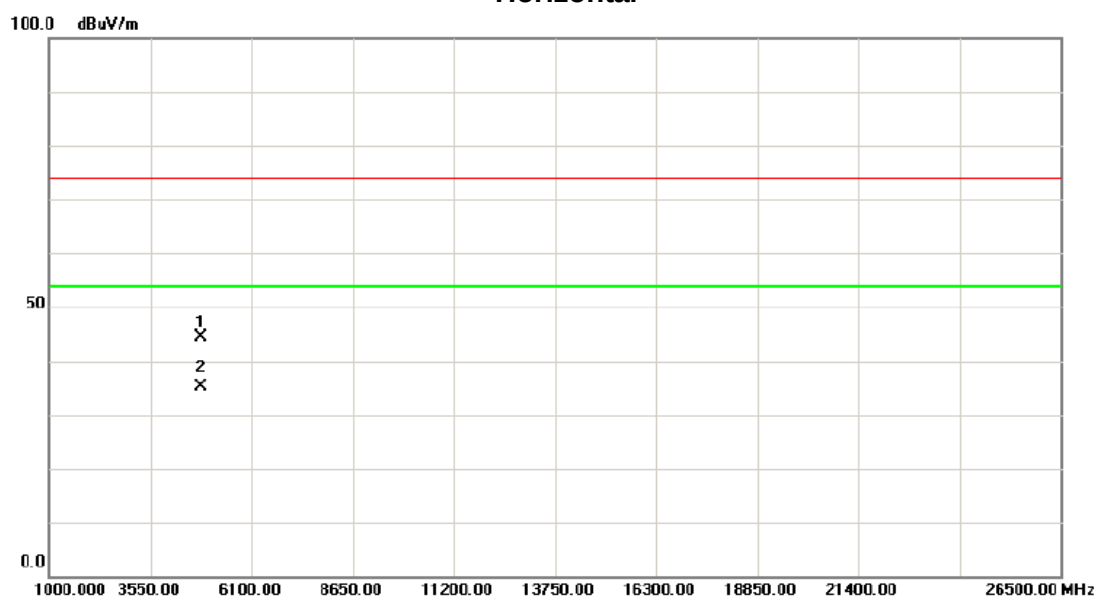
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	22.84	33.38	56.22	74.00	-17.78	peak	
2		2390.000	14.31	33.38	47.69	54.00	-6.31	AVG	
3	*	2418.500	62.89	33.45	96.34	54.00	42.34	AVG	Fundamental frequency, no limit
4	X	2418.600	67.79	33.45	101.24	74.00	27.24	peak	Fundamental frequency, no limit

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

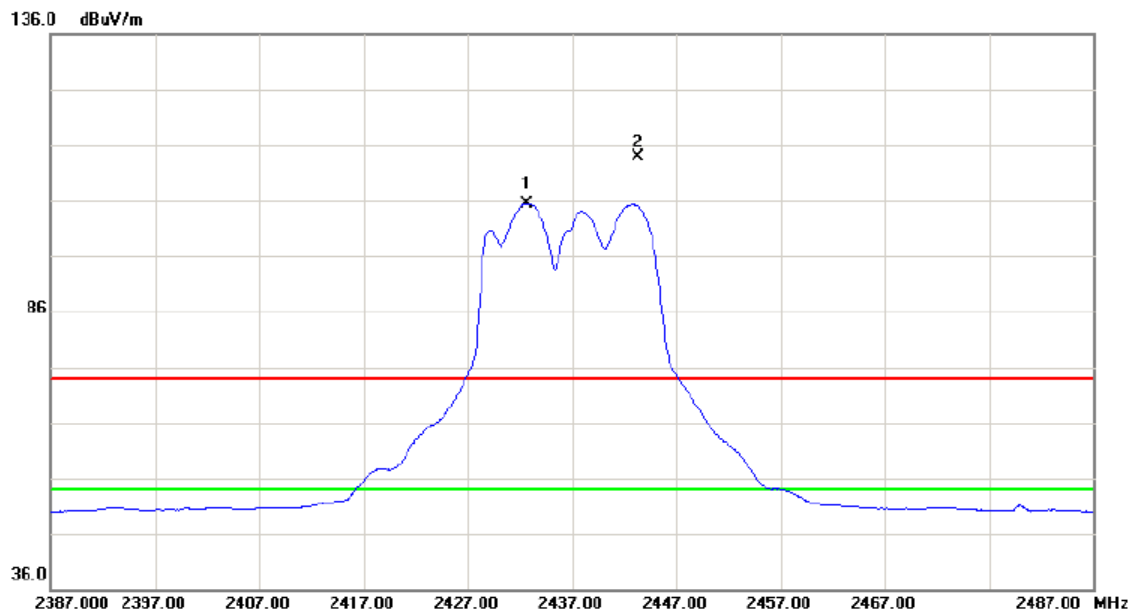
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	37.92	6.44	44.36	74.00	-29.64	peak	
2	*	4824.000	28.67	6.44	35.11	54.00	-18.89	AVG	

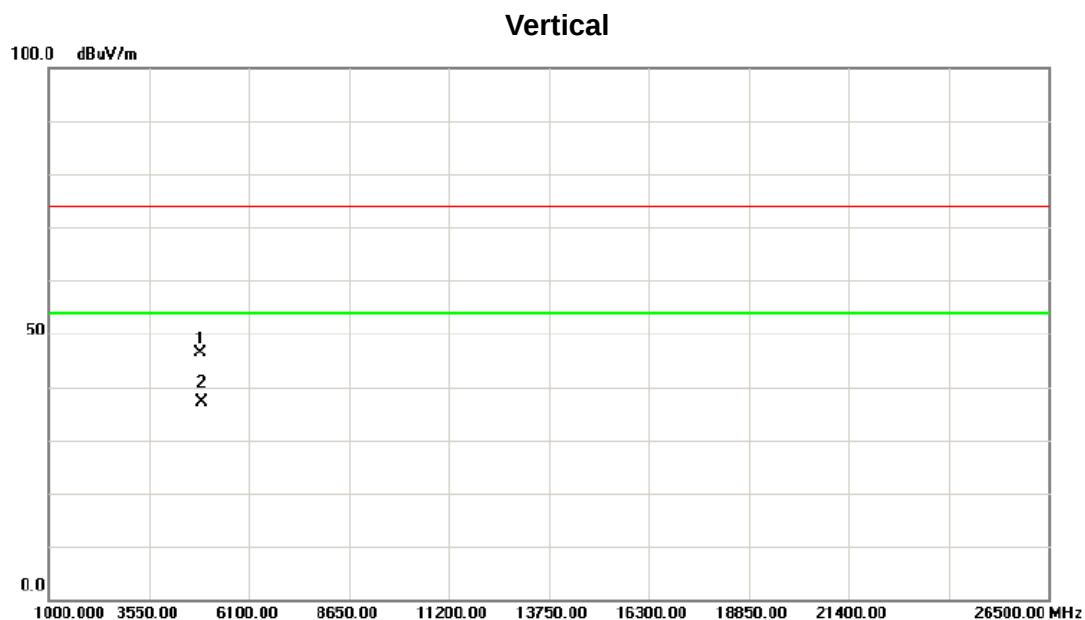
Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2432.700	71.96	33.49	105.45	54.00	51.45	AVG	Fundamental frequency, no limit
2	X	2443.300	80.28	33.51	113.79	74.00	39.79	peak	Fundamental frequency, no limit

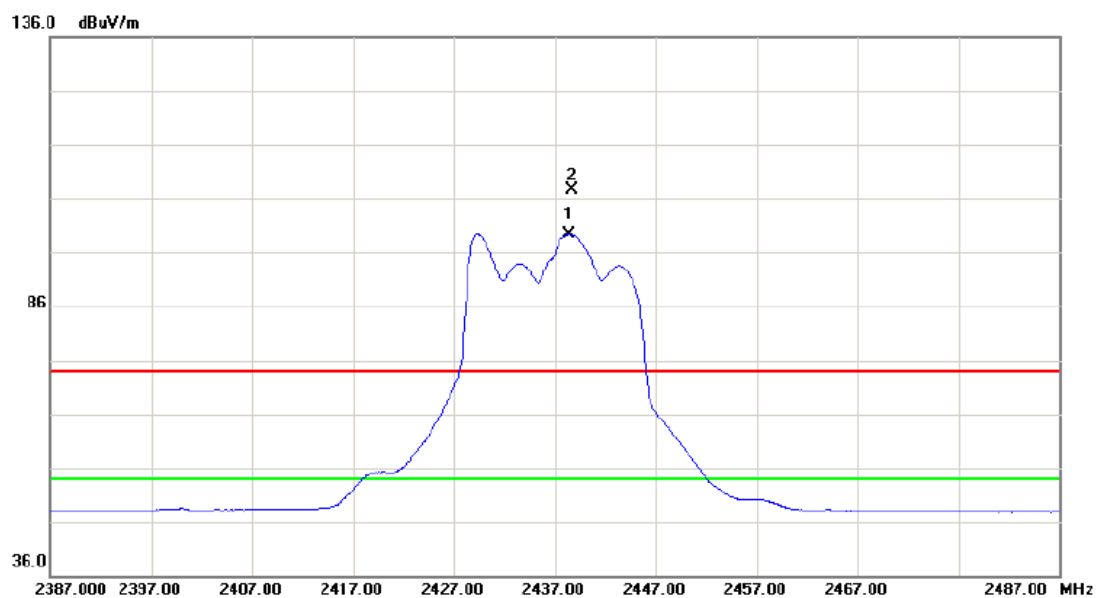
Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	39.79	6.55	46.34	74.00	-27.66	peak	
2	*	4874.000	30.48	6.55	37.03	54.00	-16.97	AVG	

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

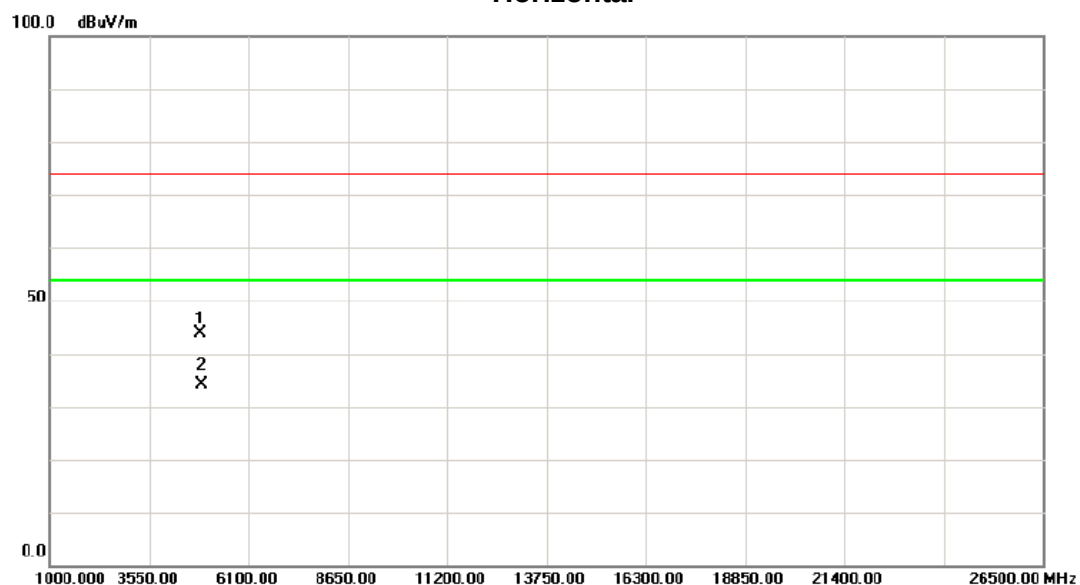
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2438.400	65.78	33.50	99.28	54.00	45.28	AVG	Fundamental frequency, no limit
2	X	2438.600	74.01	33.50	107.51	74.00	33.51	peak	Fundamental frequency, no limit

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

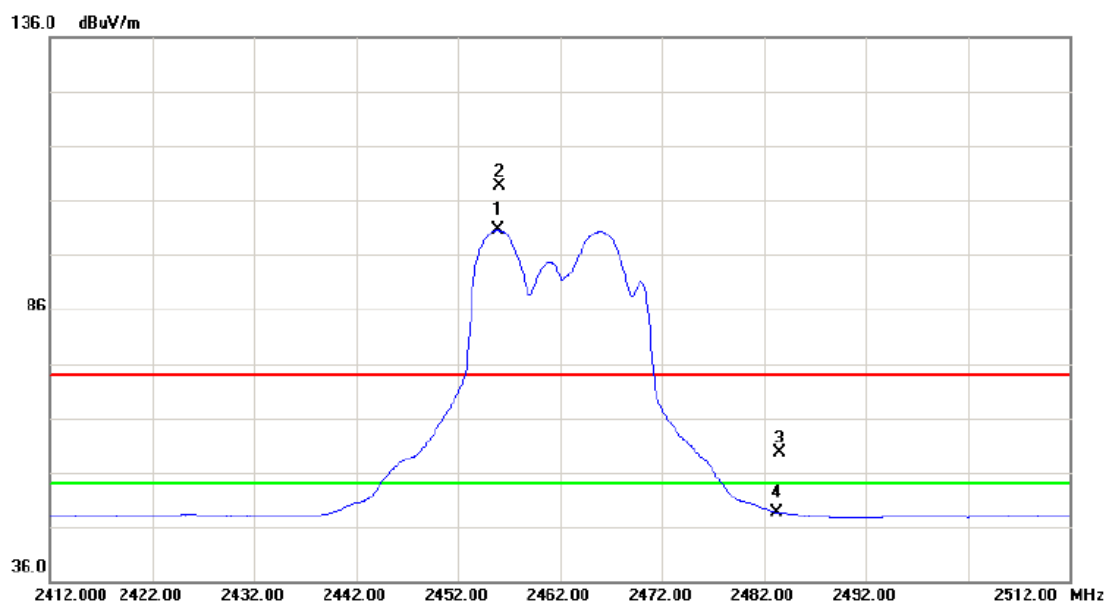
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	37.42	6.55	43.97	74.00	-30.03	peak	
2	*	4874.000	27.65	6.55	34.20	54.00	-19.80	AVG	

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

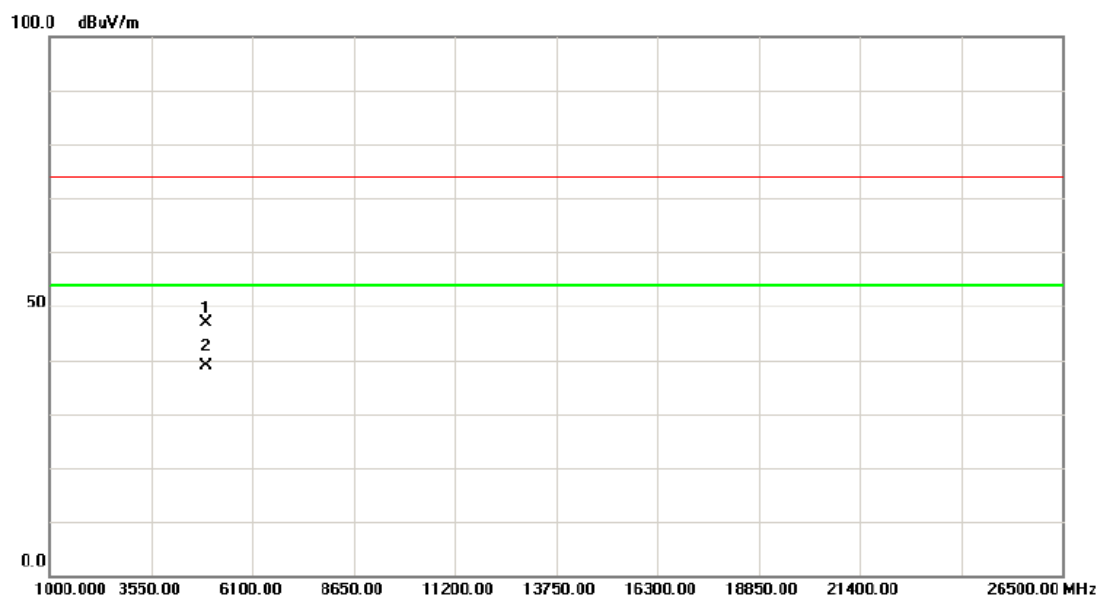
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2455.900	67.03	33.54	100.57	54.00	46.57	AVG	Fundamental frequency, no limit
2	X	2456.100	75.20	33.54	108.74	74.00	34.74	peak	Fundamental frequency, no limit
3		2483.500	26.06	33.62	59.68	74.00	-14.32	peak	
4		2483.500	15.03	33.62	48.65	54.00	-5.35	AVG	

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

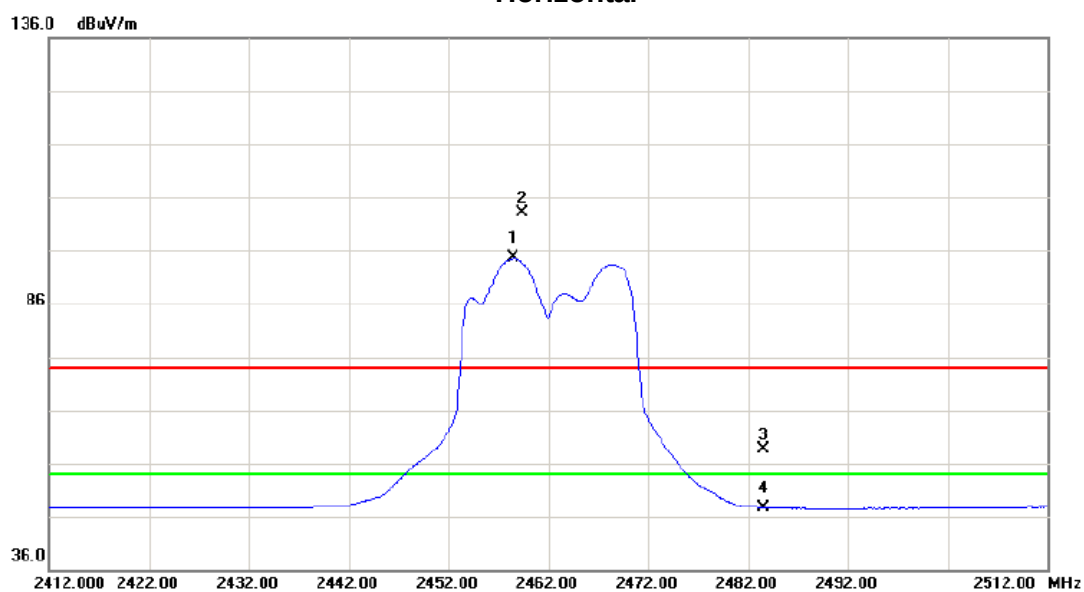
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	40.11	6.66	46.77	74.00	-27.23	peak	
2	*	4924.000	32.30	6.66	38.96	54.00	-15.04	AVG	

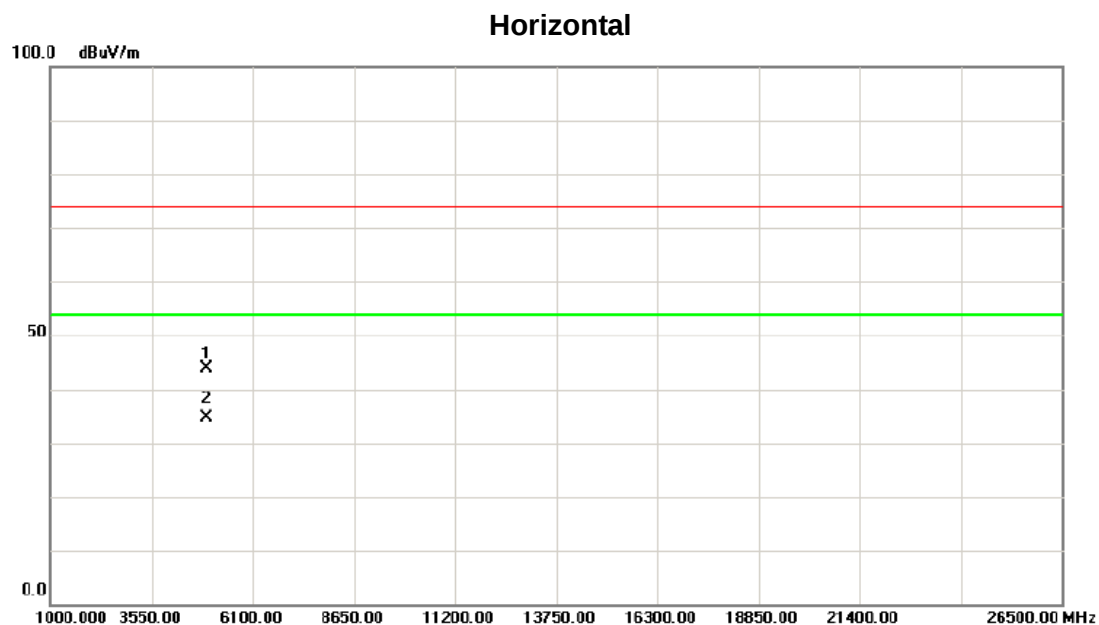
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2458.400	60.98	33.56	94.54	54.00	40.54	AVG	Fundamental frequency, no limit
2	X	2459.400	69.59	33.56	103.15	74.00	29.15	peak	Fundamental frequency, no limit
3		2483.500	24.97	33.62	58.59	74.00	-15.41	peak	
4		2483.500	14.08	33.62	47.70	54.00	-6.30	AVG	

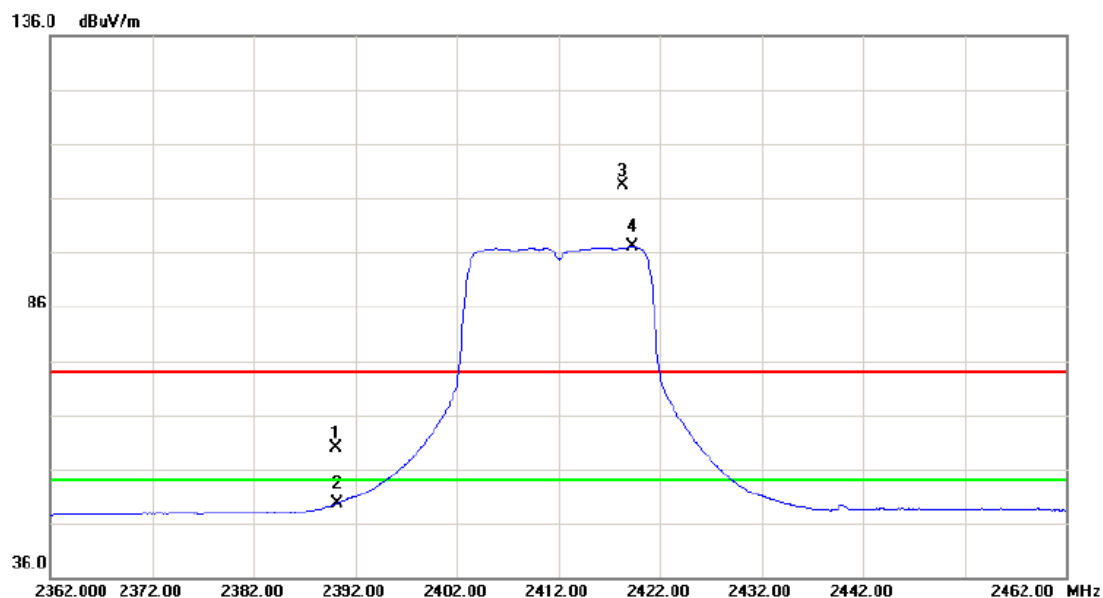
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	37.30	6.66	43.96	74.00	-30.04	peak	
2	*	4924.000	27.97	6.66	34.63	54.00	-19.37	AVG	

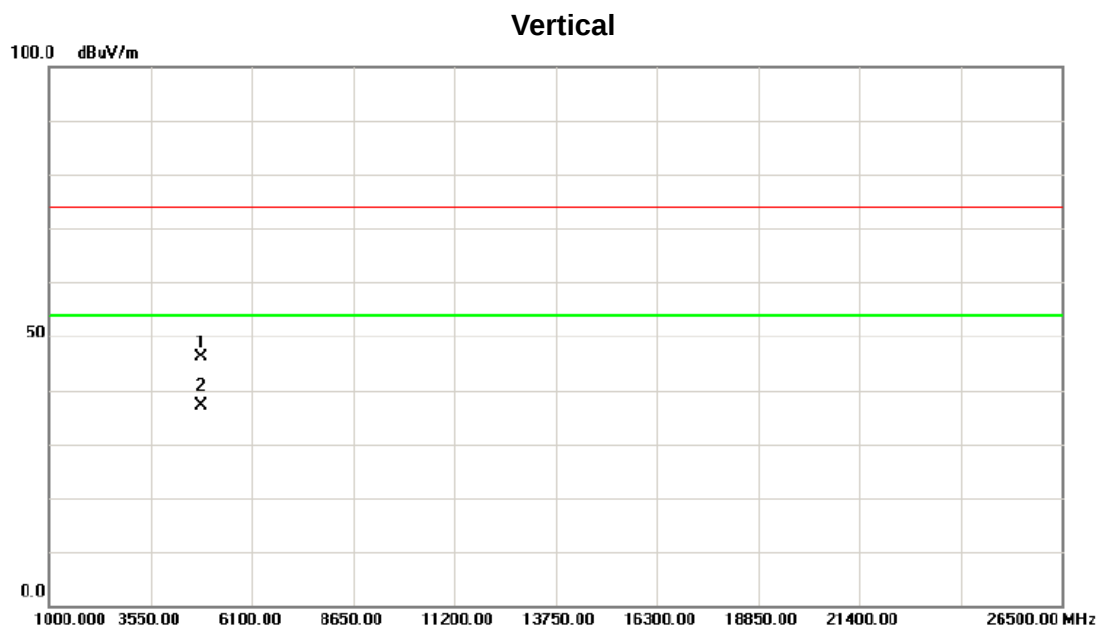
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	26.39	33.38	59.77	74.00	-14.23	peak	
2		2390.000	16.15	33.38	49.53	54.00	-4.47	AVG	
3	X	2418.300	74.98	33.45	108.43	74.00	34.43	peak	Fundamental frequency, no limit
4	*	2419.300	63.72	33.46	97.18	54.00	43.18	AVG	Fundamental frequency, no limit

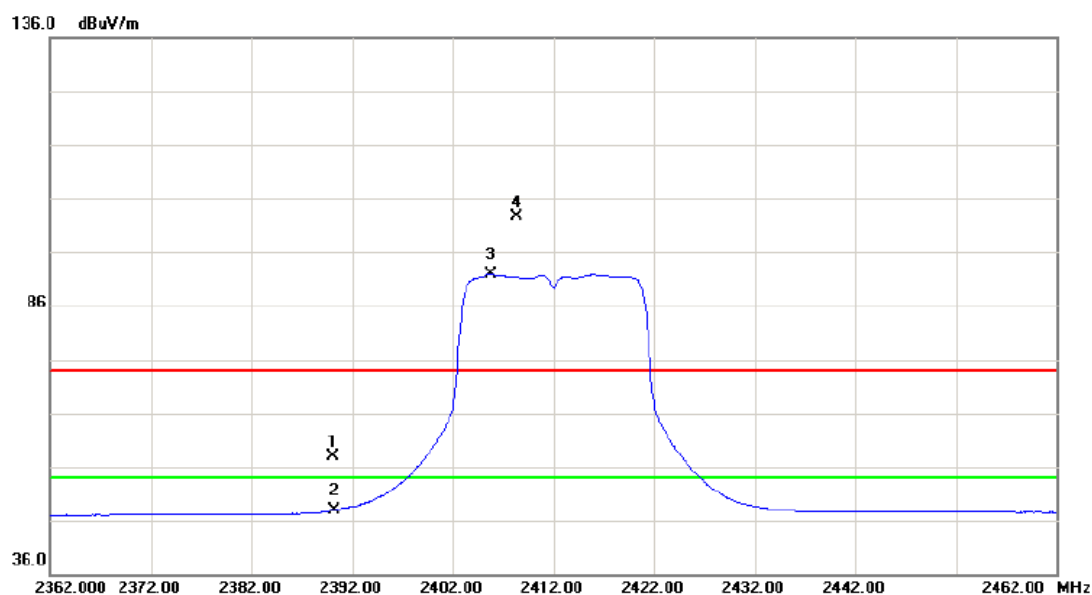
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	39.76	6.44	46.20	74.00	-27.80	peak	
2	*	4824.000	30.81	6.44	37.25	54.00	-16.75	AVG	

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

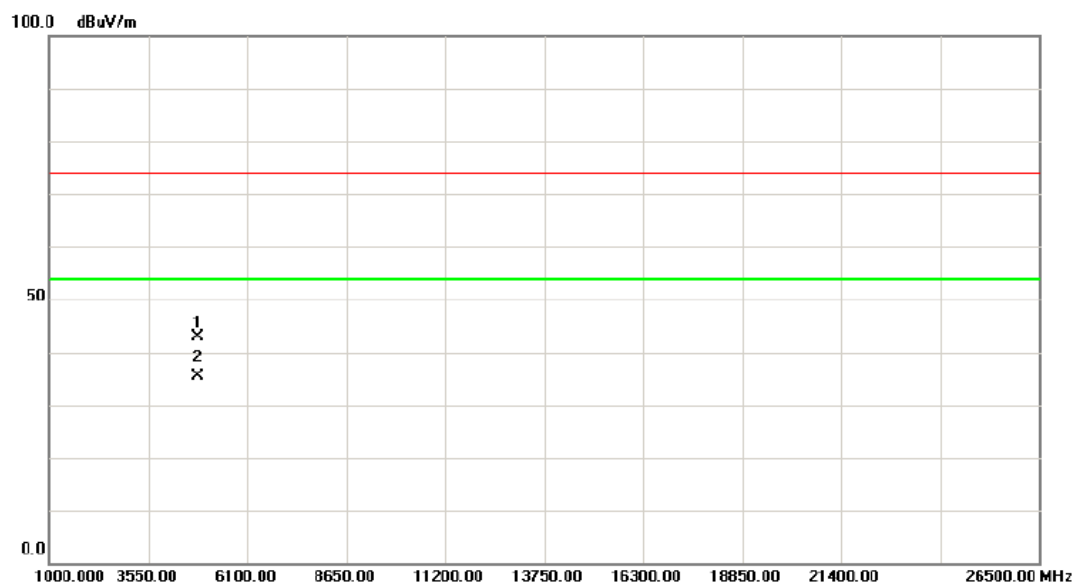
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	24.39	33.38	57.77	74.00	-16.23	peak	
2		2390.000	14.42	33.38	47.80	54.00	-6.20	AVG	
3	*	2405.800	58.51	33.42	91.93	54.00	37.93	AVG	Fundamental frequency, no limit
4	X	2408.300	69.24	33.43	102.67	74.00	28.67	peak	Fundamental frequency, no limit

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

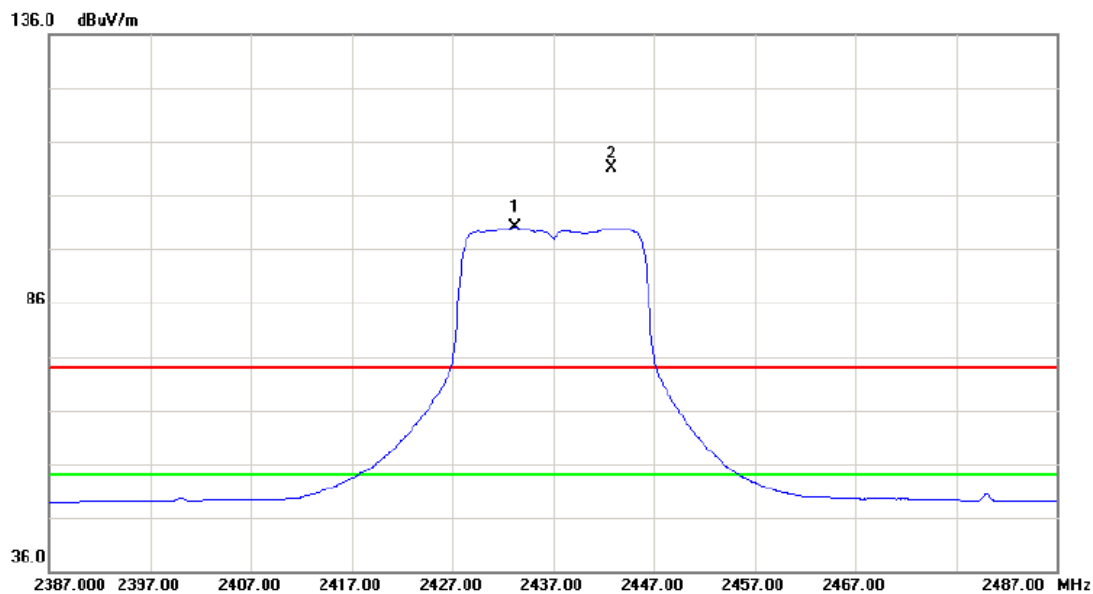
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	36.35	6.44	42.79	74.00	-31.21	peak	
2	*	4824.000	28.87	6.44	35.31	54.00	-18.69	AVG	

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

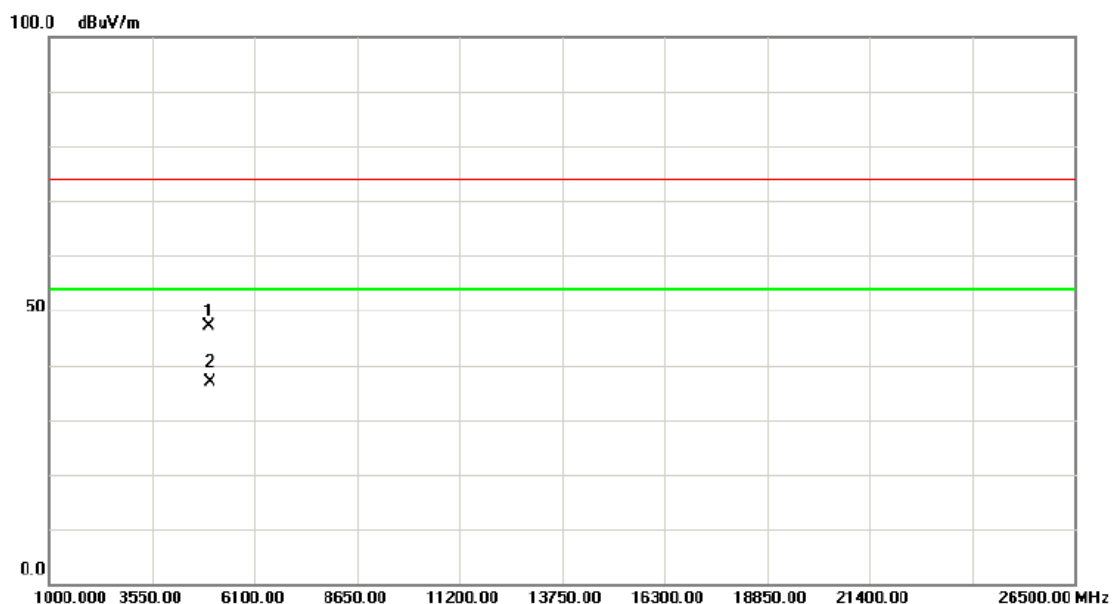
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2433.200	66.59	33.50	100.09	54.00	46.09	AVG	Fundamental frequency, no limit
2	X	2442.800	77.50	33.51	111.01	74.00	37.01	peak	Fundamental frequency, no limit

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

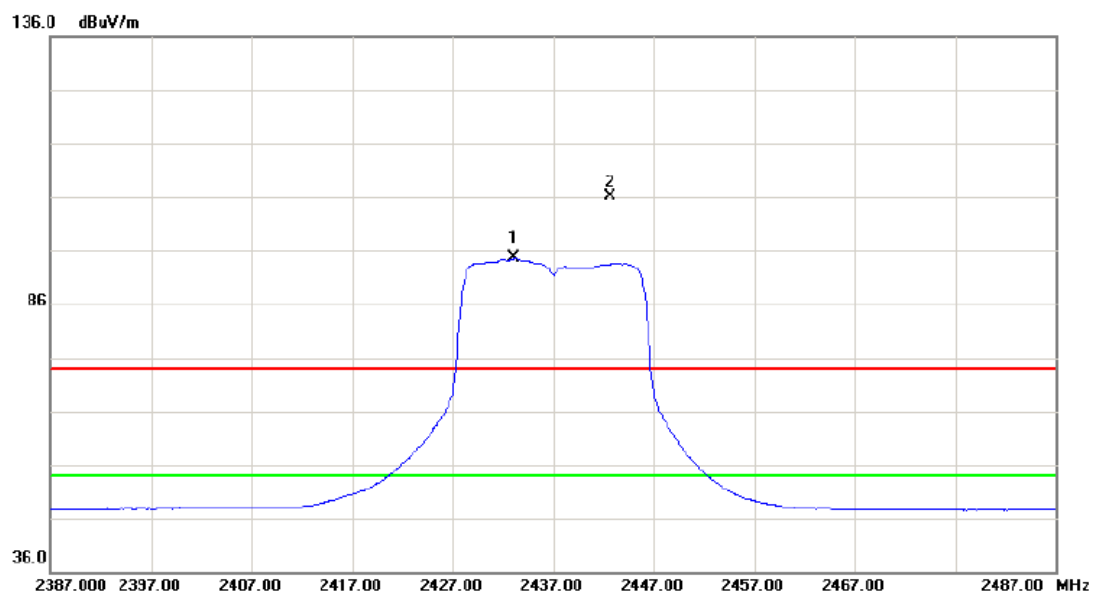
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4974.000	40.45	6.77	47.22	74.00	-26.78	peak	
2	*	4974.000	30.20	6.77	36.97	54.00	-17.03	AVG	

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

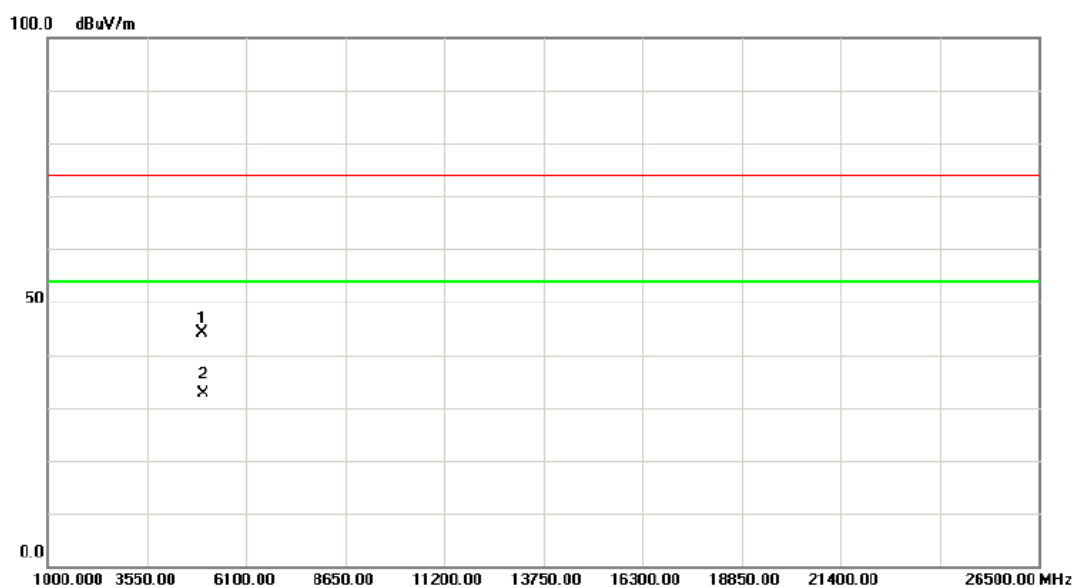
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2433.100	61.05	33.49	94.54	54.00	40.54	AVG	Fundamental frequency, no limit
2	X	2442.700	72.62	33.51	106.13	74.00	32.13	peak	Fundamental frequency, no limit

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

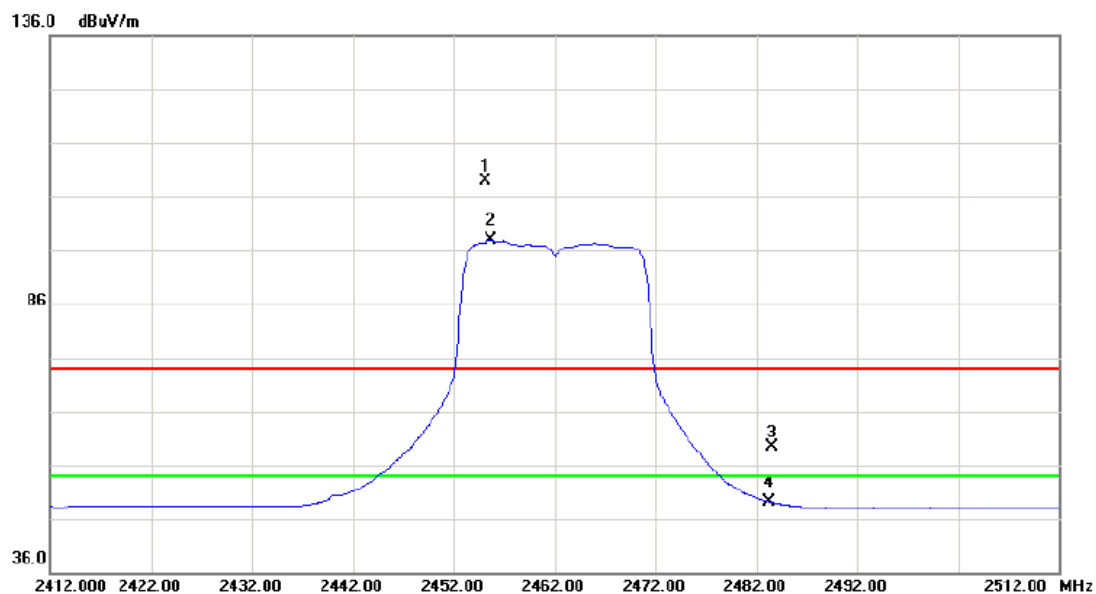
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4974.000	37.45	6.77	44.22	74.00	-29.78	peak	
2	*	4974.000	25.86	6.77	32.63	54.00	-21.37	AVG	

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

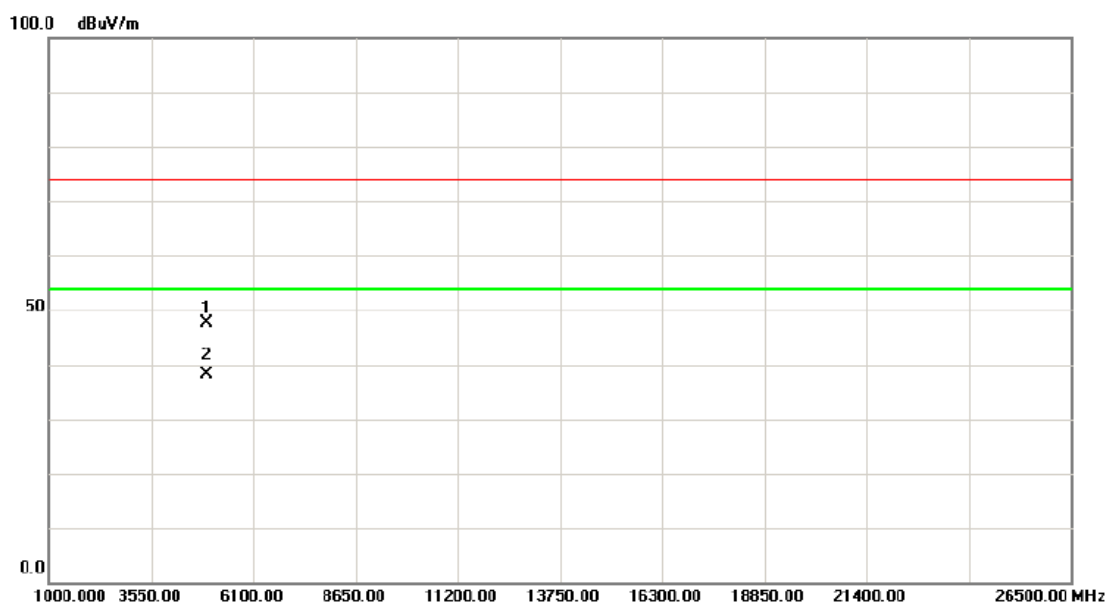
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2455.100	75.36	33.54	108.90	74.00	34.90	peak	Fundamental frequency, no limit
2	*	2455.600	64.31	33.54	97.85	54.00	43.85	AVG	Fundamental frequency, no limit
3		2483.500	25.82	33.62	59.44	74.00	-14.56	peak	
4		2483.500	15.41	33.62	49.03	54.00	-4.97	AVG	

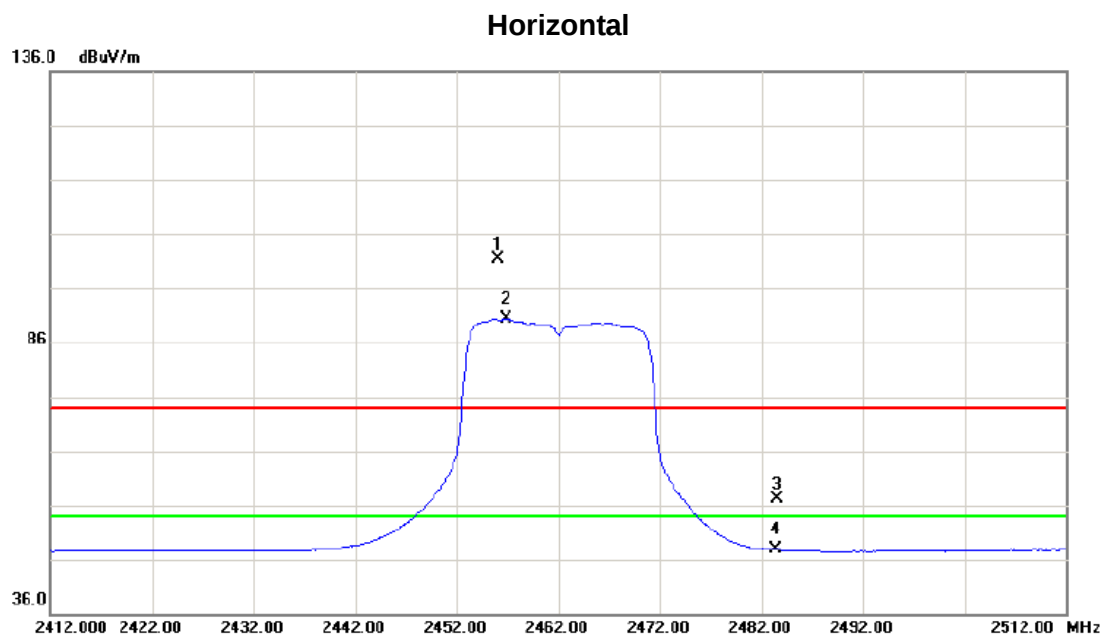
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	40.98	6.66	47.64	74.00	-26.36	peak	
2	*	4924.000	31.46	6.66	38.12	54.00	-15.88	AVG	

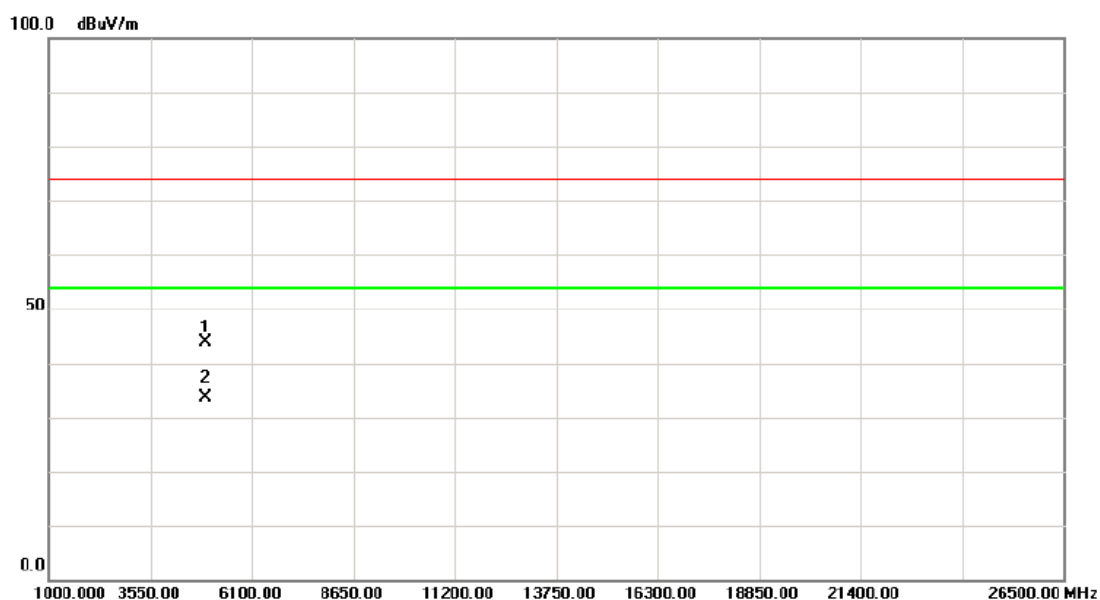
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2456.100	67.77	33.54	101.31	74.00	27.31	peak	Fundamental frequency, no limit
2	*	2456.800	56.88	33.56	90.44	54.00	36.44	AVG	Fundamental frequency, no limit
3		2483.500	23.44	33.62	57.06	74.00	-16.94	peak	
4		2483.500	14.18	33.62	47.80	54.00	-6.20	AVG	

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

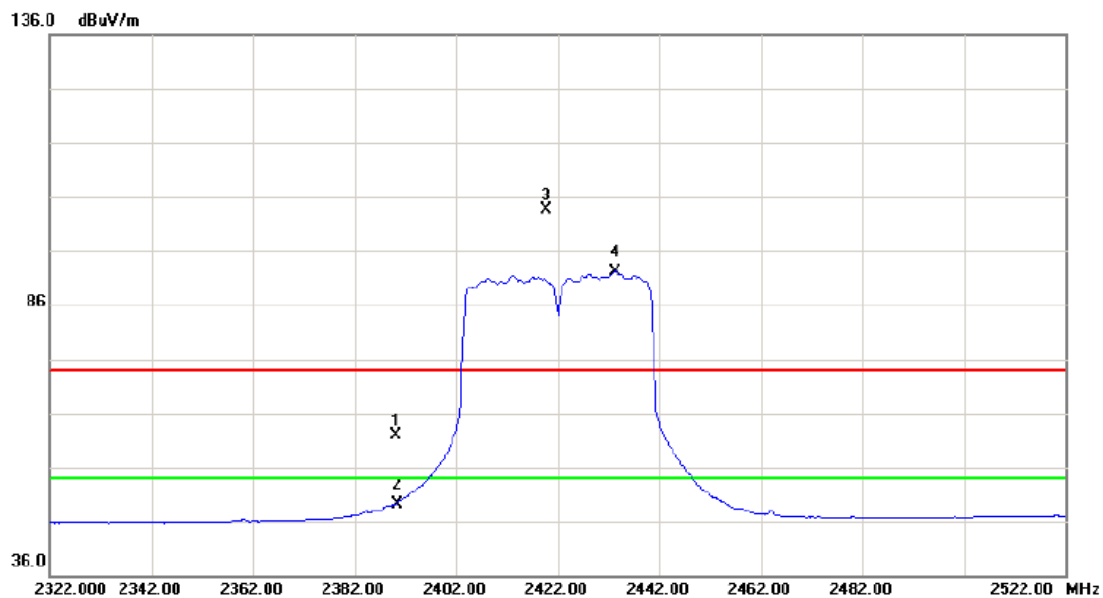
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.000	37.33	6.66	43.99	74.00	-30.01	peak	
2	*	4924.000	26.99	6.66	33.65	54.00	-20.35	AVG	

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

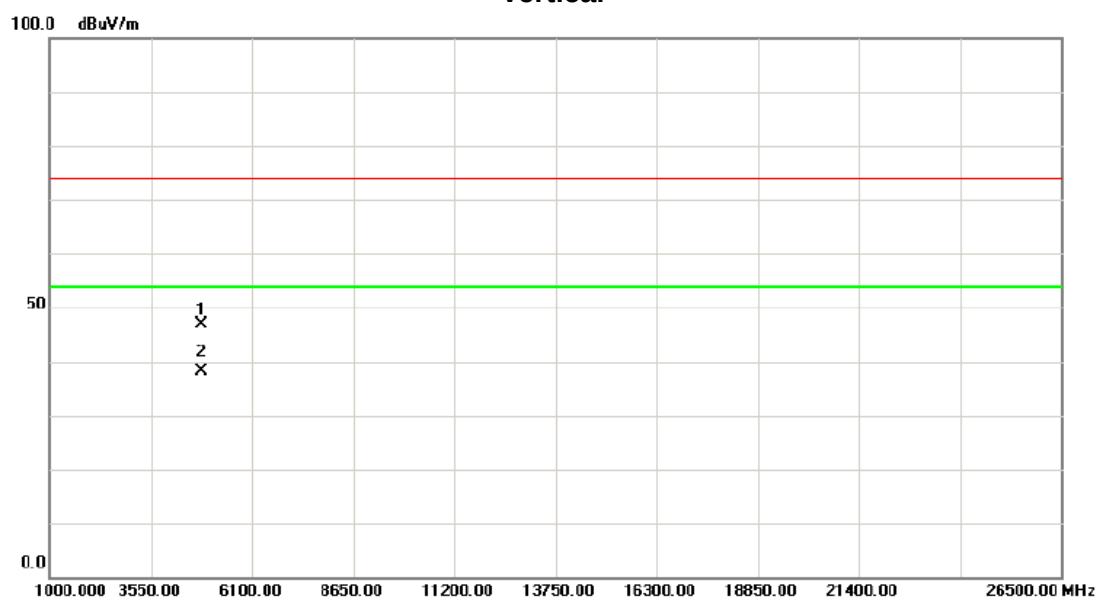
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	28.46	33.38	61.84	74.00	-12.16	peak	
2		2390.000	15.87	33.38	49.25	54.00	-4.75	AVG	
3	X	2419.600	70.22	33.46	103.68	74.00	29.68	peak	Fundamental frequency, no limit
4	*	2433.400	58.75	33.50	92.25	54.00	38.25	AVG	Fundamental frequency, no limit

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

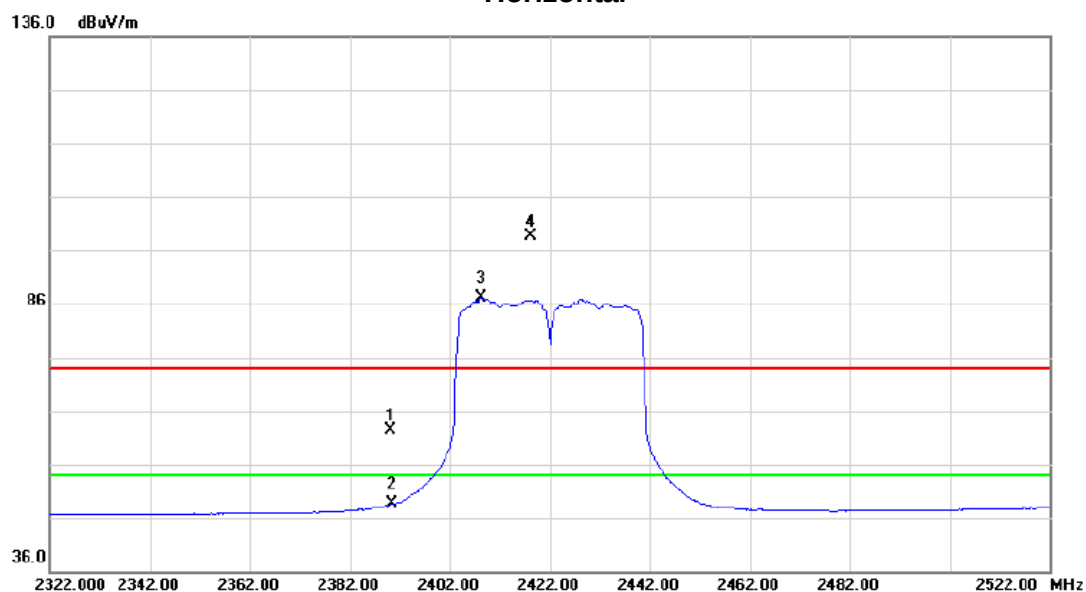
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	40.34	6.44	46.78	74.00	-27.22	peak	
2	*	4824.000	31.59	6.44	38.03	54.00	-15.97	AVG	

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

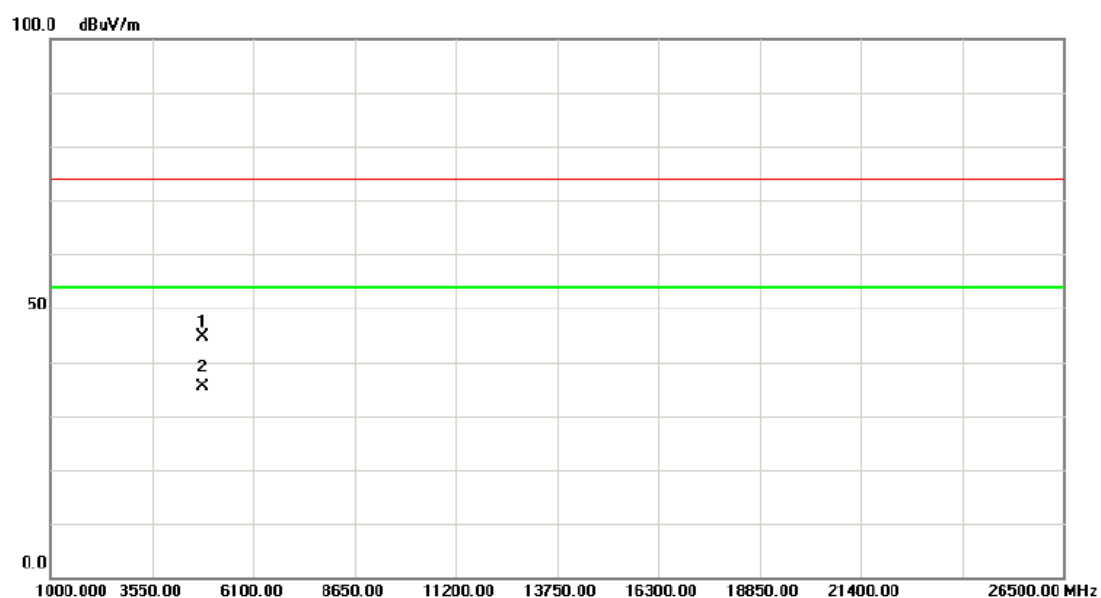
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	29.07	33.38	62.45	74.00	-11.55	peak	
2		2390.000	15.13	33.38	48.51	54.00	-5.49	AVG	
3	*	2408.200	53.69	33.43	87.12	54.00	33.12	AVG	Fundamental frequency, no limit
4	X	2418.000	65.30	33.45	98.75	74.00	24.75	peak	Fundamental frequency, no limit

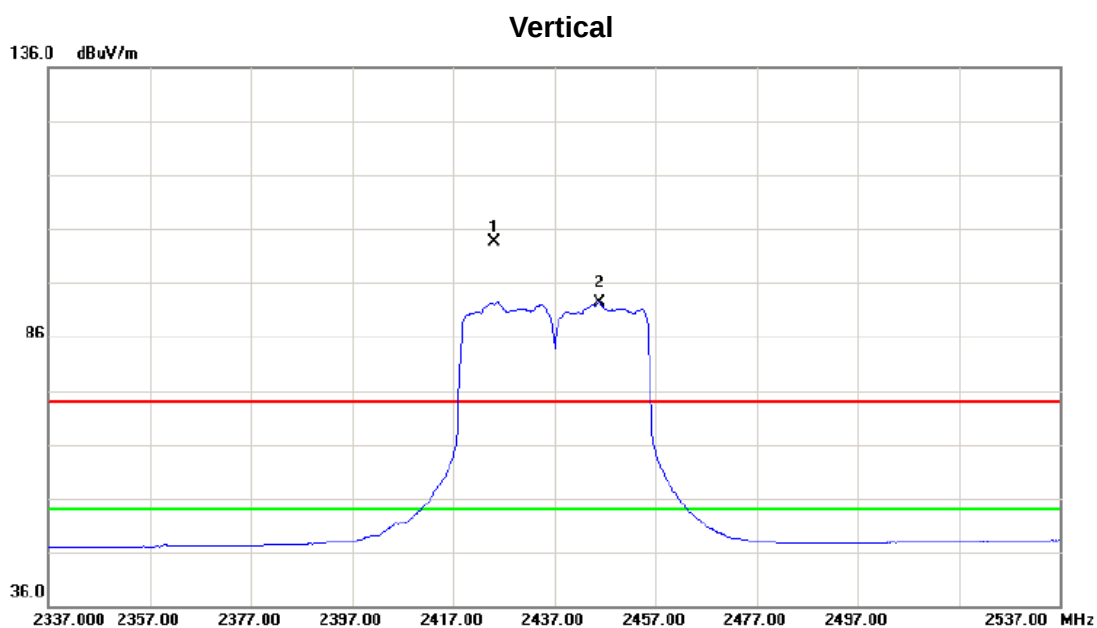
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

Horizontal



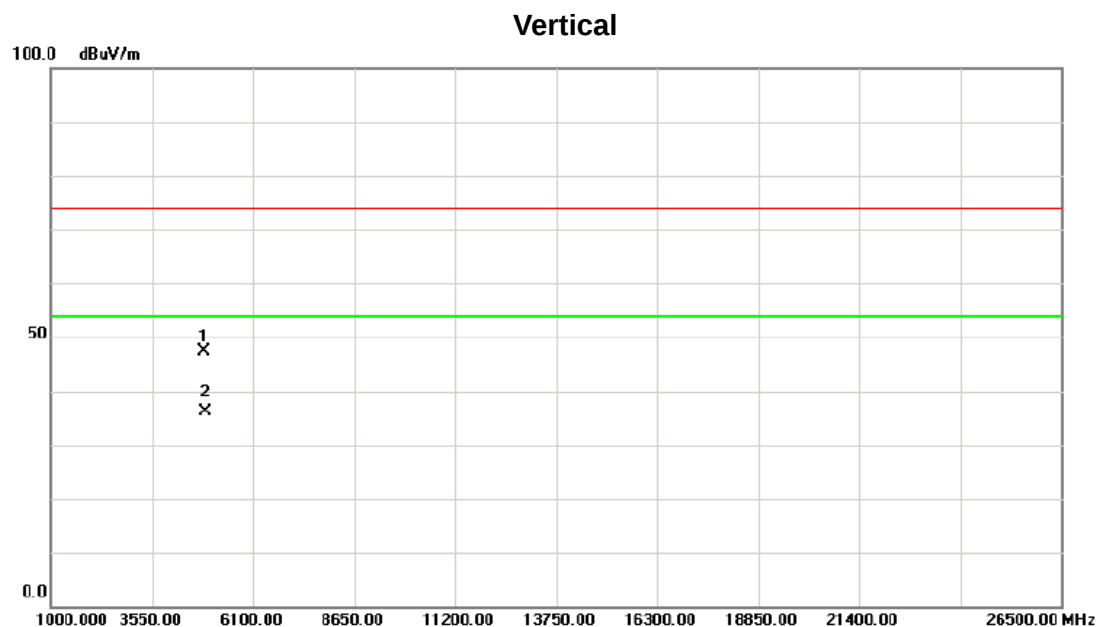
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	38.17	6.44	44.61	74.00	-29.39	peak	
2	*	4824.000	28.92	6.44	35.36	54.00	-18.64	AVG	

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2425.200	70.11	33.47	103.58	74.00	29.58	peak	Fundamental frequency, no limit
2	*	2445.800	58.78	33.53	92.31	54.00	38.31	AVG	Fundamental frequency, no limit

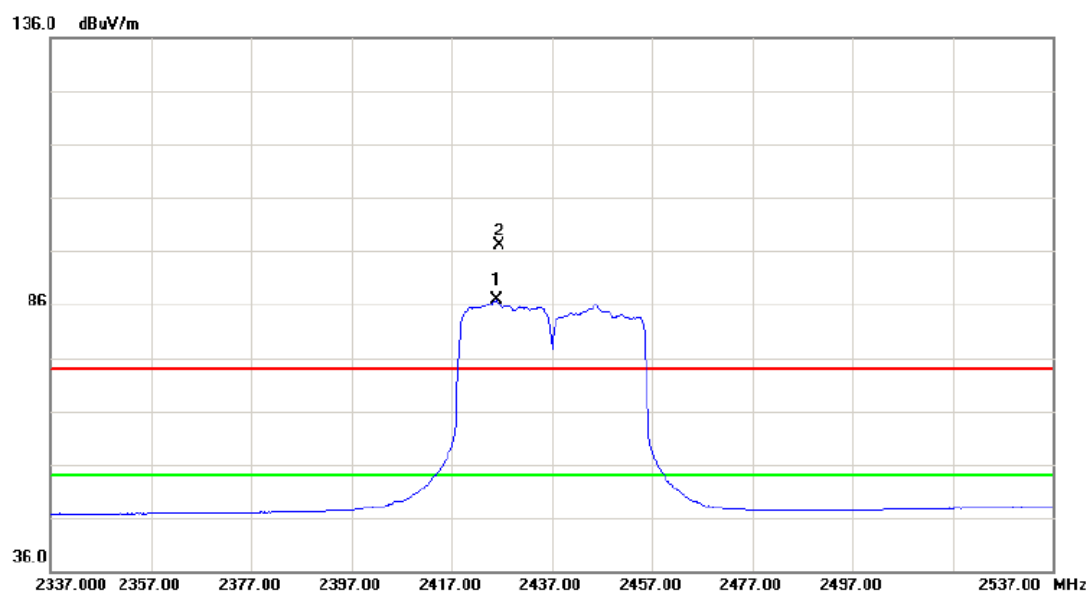
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	40.81	6.55	47.36	74.00	-26.64	peak	
2	*	4874.000	29.46	6.55	36.01	54.00	-17.99	AVG	

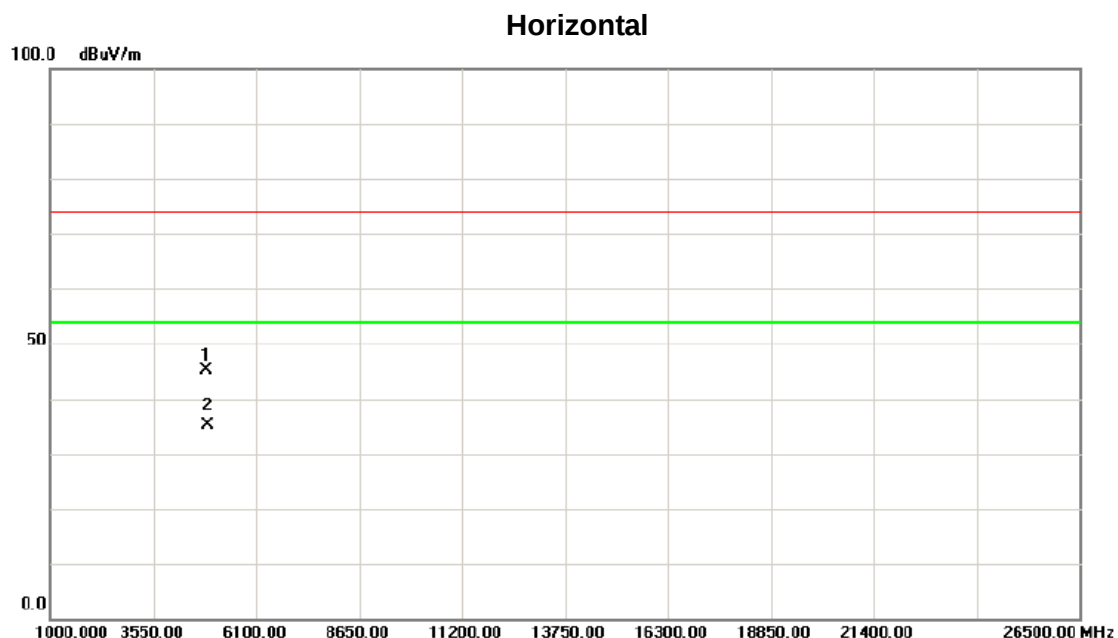
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2425.800	53.29	33.47	86.76	54.00	32.76	AVG	Fundamental frequency, no limit
2	X	2426.400	63.67	33.47	97.14	74.00	23.14	peak	Fundamental frequency, no limit

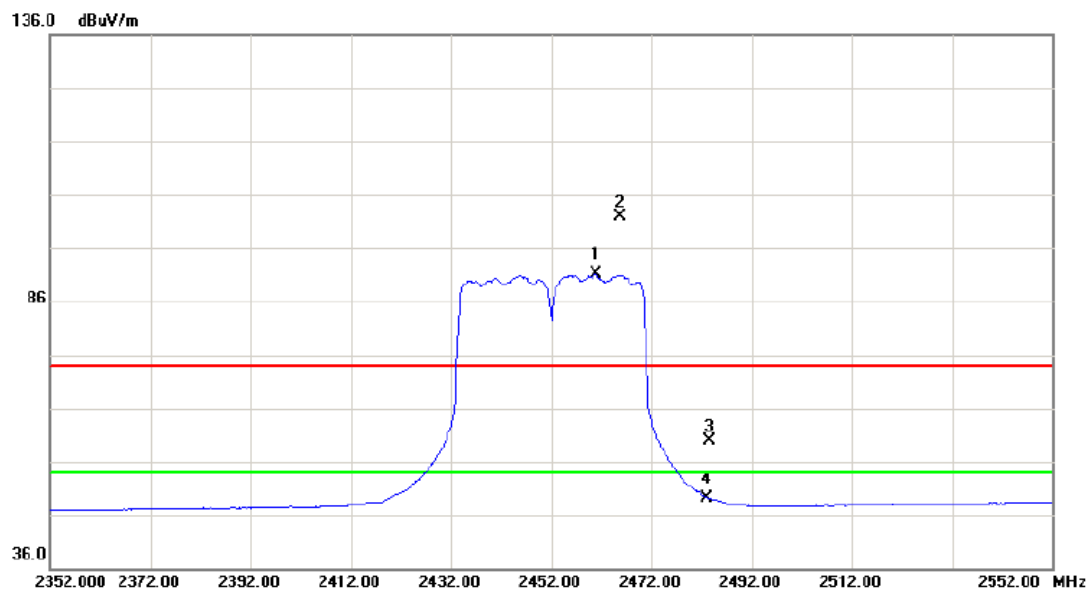
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	38.66	6.55	45.21	74.00	-28.79	peak	
2	*	4874.000	28.65	6.55	35.20	54.00	-18.80	AVG	

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

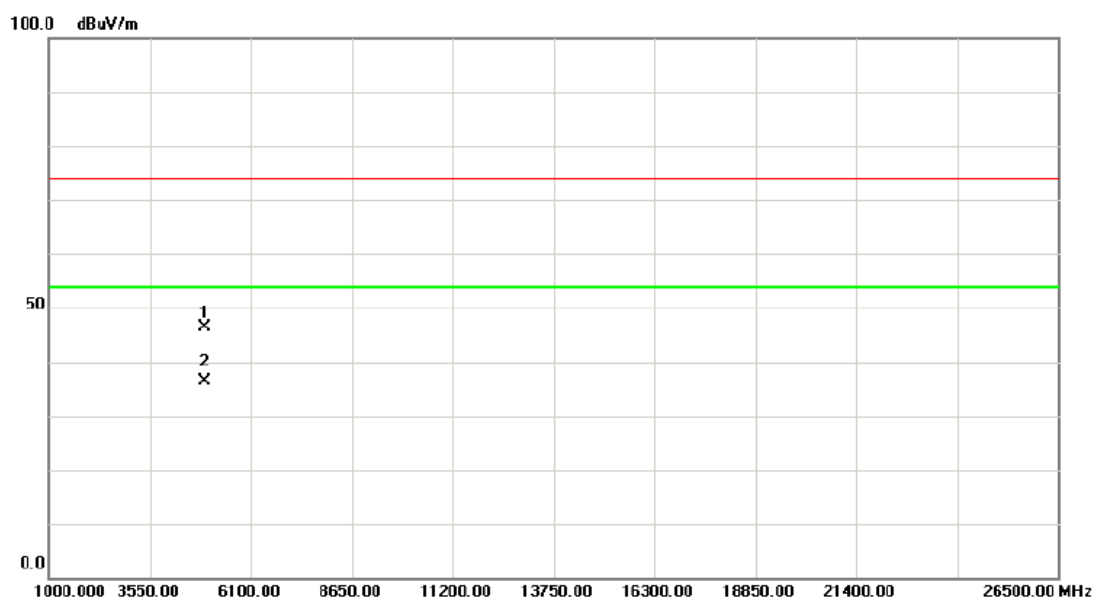
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2460.800	57.56	33.56	91.12	54.00	37.12	AVG	Fundamental frequency, no limit
2	X	2465.800	68.31	33.57	101.88	74.00	27.88	peak	Fundamental frequency, no limit
3		2483.500	26.27	33.62	59.89	74.00	-14.11	peak	
4		2483.500	15.49	33.62	49.11	54.00	-4.89	AVG	

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

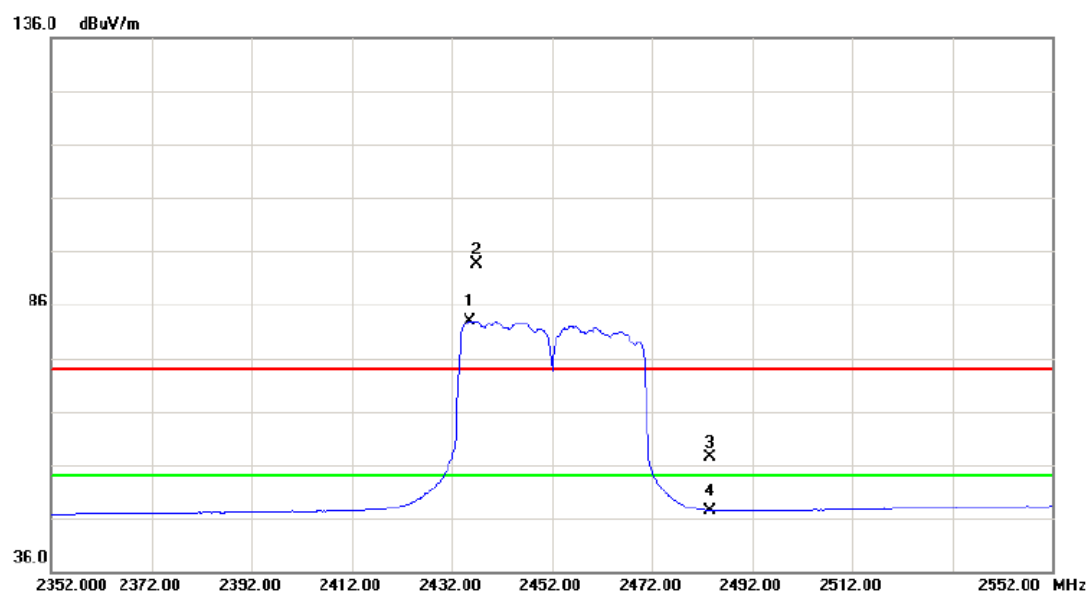
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	39.68	6.66	46.34	74.00	-27.66	peak	
2	*	4924.000	29.79	6.66	36.45	54.00	-17.55	AVG	

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

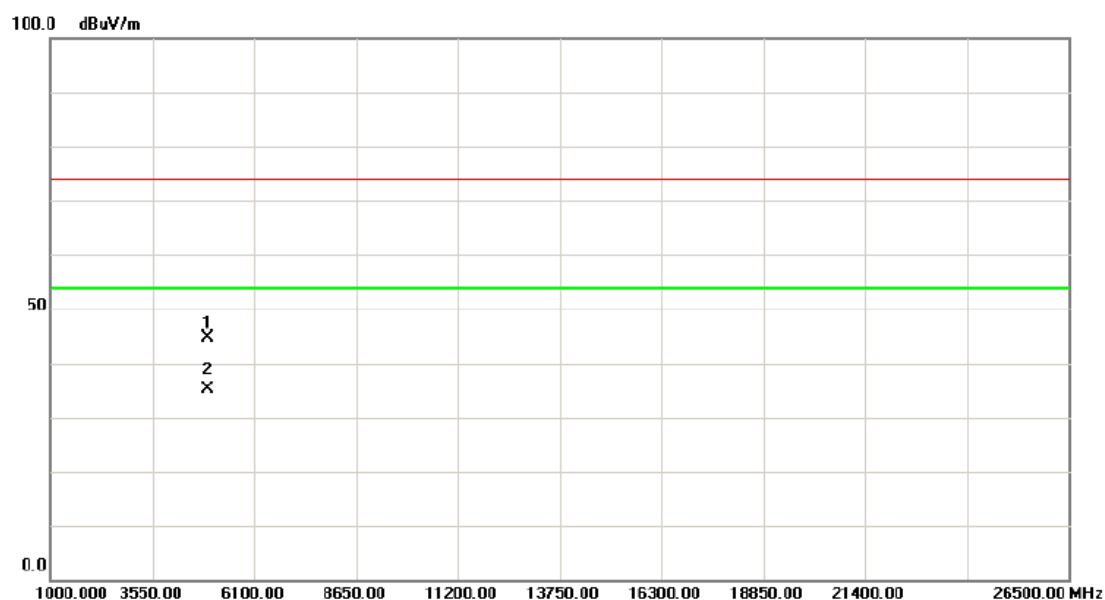
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2435.600	49.48	33.50	82.98	54.00	28.98	AVG	Fundamental frequency, no limit
2	X	2437.000	60.19	33.50	93.69	74.00	19.69	peak	Fundamental frequency, no limit
3		2483.500	23.71	33.62	57.33	74.00	-16.67	peak	
4		2483.500	13.84	33.62	47.46	54.00	-6.54	AVG	

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

Horizontal

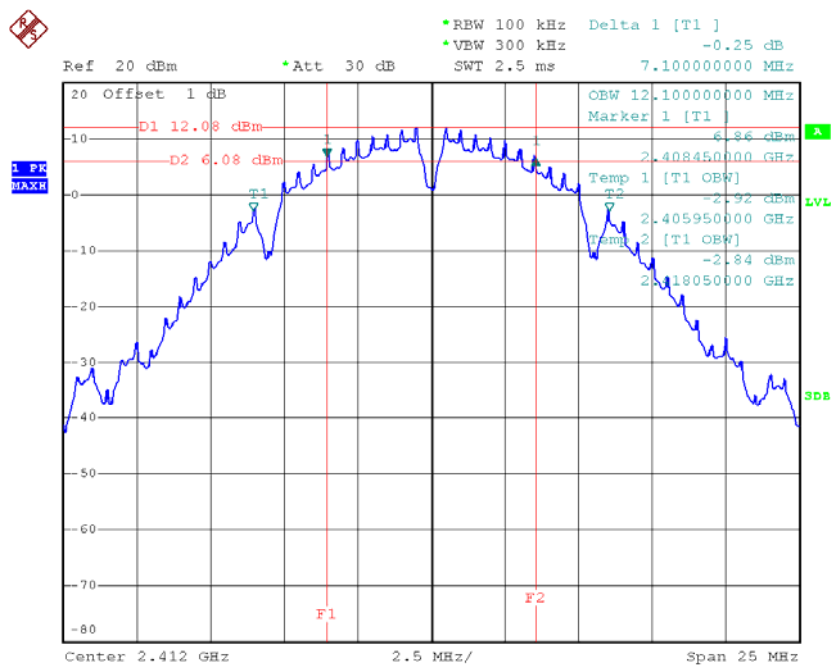


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	38.03	6.66	44.69	74.00	-29.31	peak	
2	*	4924.000	28.48	6.66	35.14	54.00	-18.86	AVG	

ATTACHMENT E - BANDWIDTH

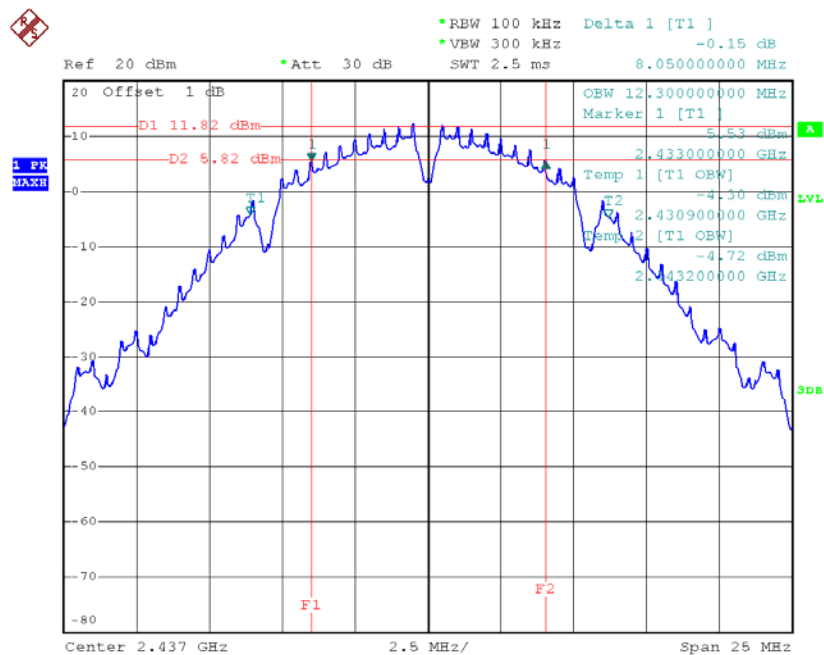
Test Mode : TX B Mode_CH01/06/11

TX CH 01



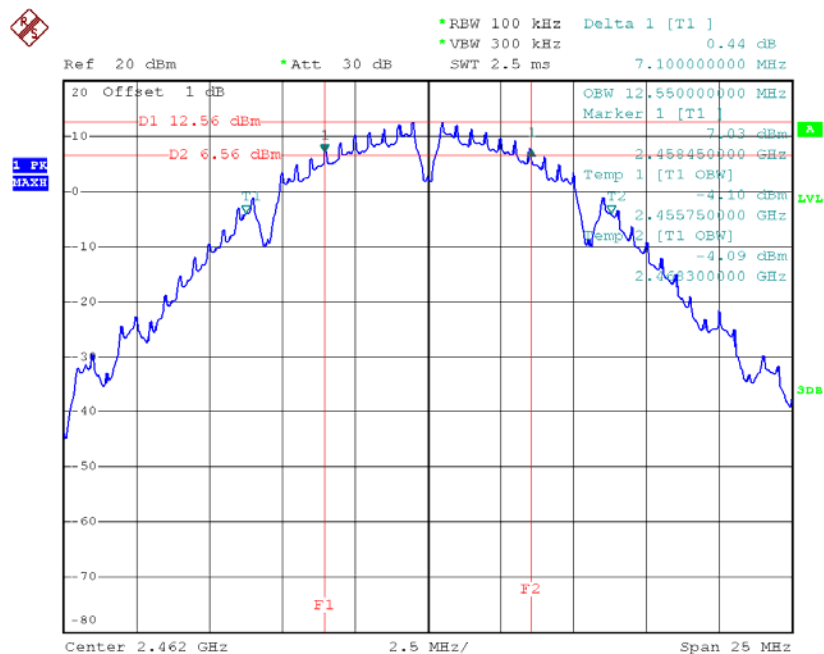
Date: 28.MAY.2014 16:24:27

TX CH 06



Date: 28.MAY.2014 16:21:11

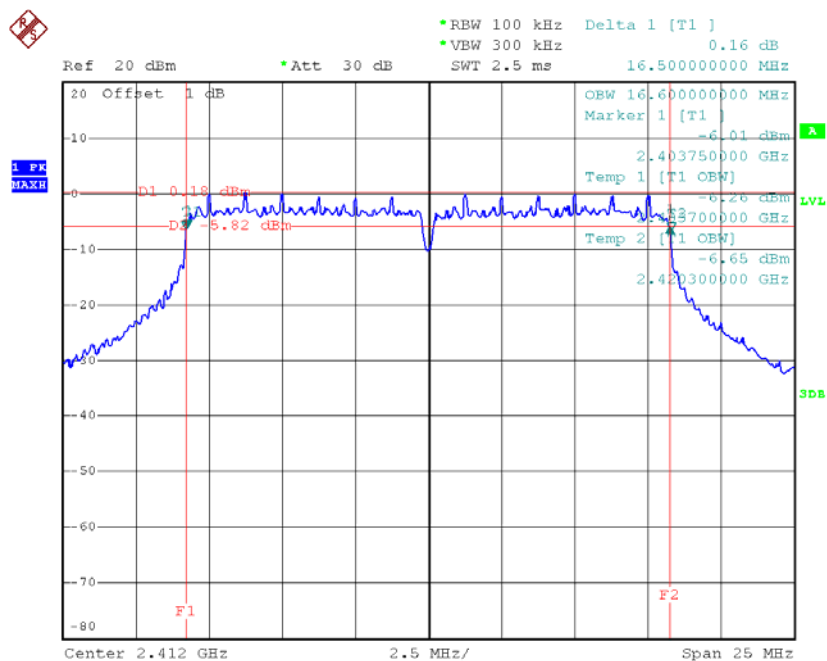
TX CH 11



Date: 28.MAY.2014 16:18:32

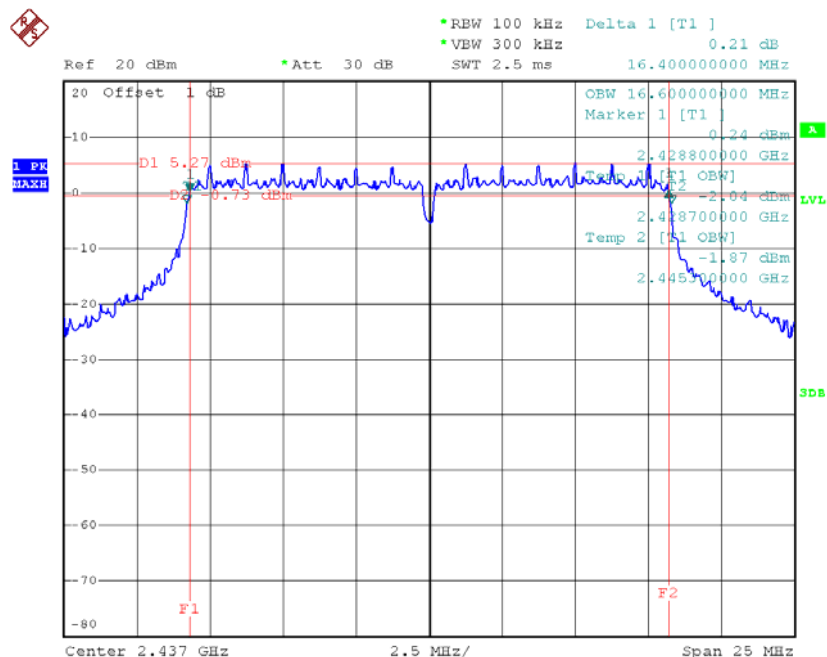
Test Mode: TX G Mode_CH01/06/11

TX CH 01



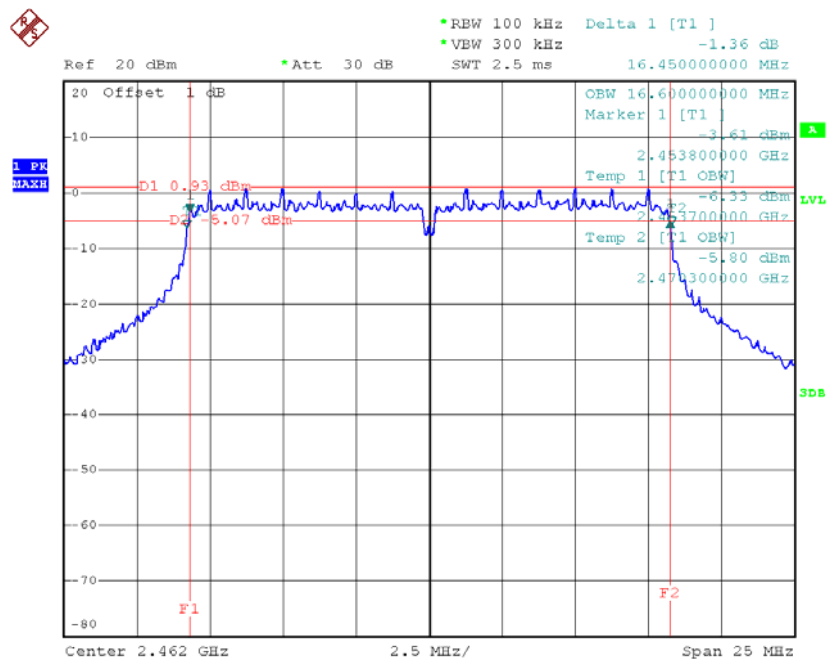
Date: 28.MAY.2014 17:04:05

TX CH 06



Date: 28.MAY.2014 17:07:39

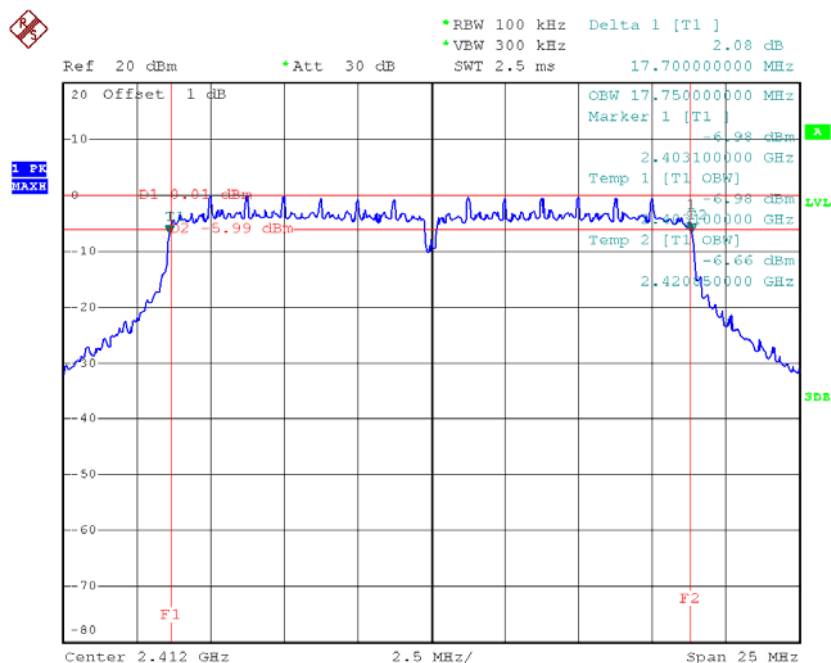
TX CH 11



Date: 28.MAY.2014 17:10:59

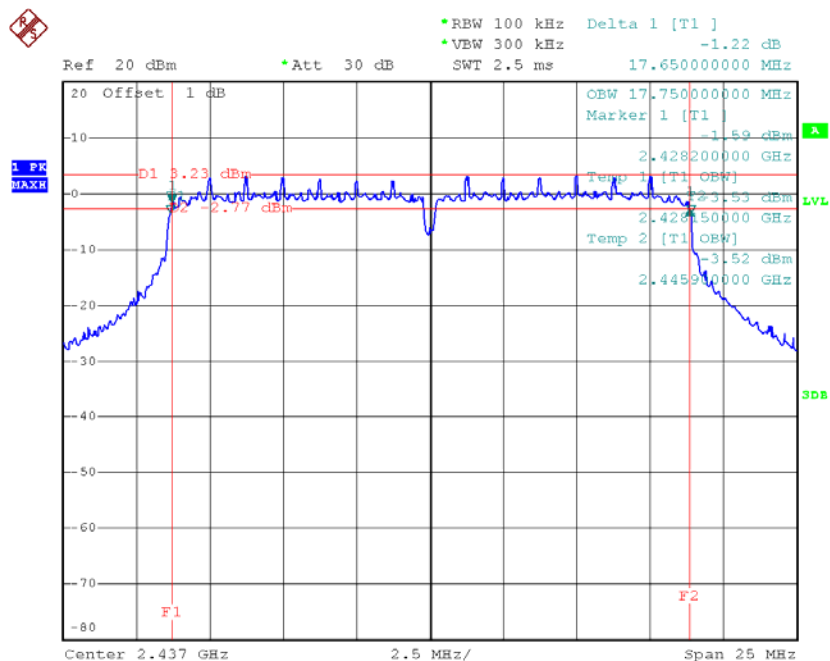
Test Mode : TX N-20MHz Mode_CH01/06/11

TX CH 01



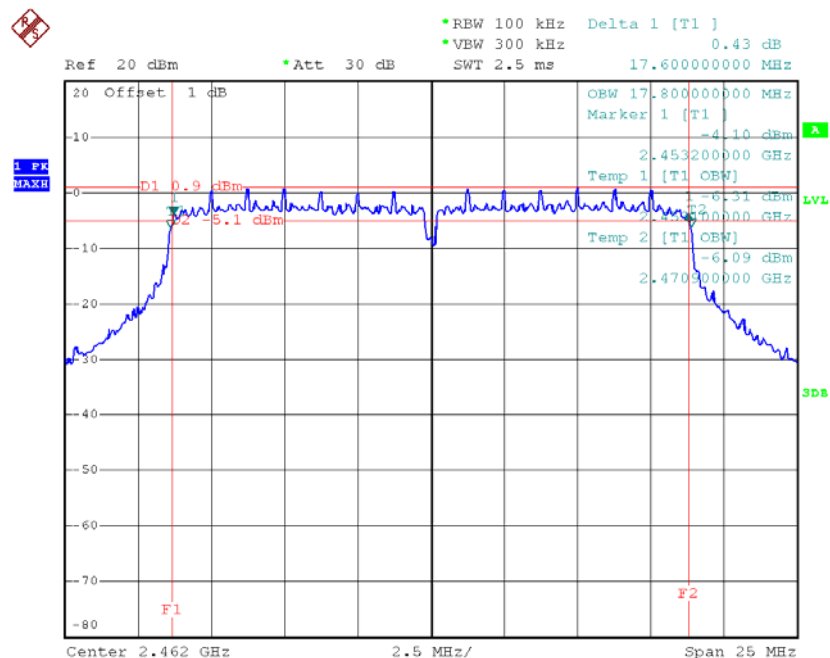
Date: 28.MAY.2014 17:38:44

TX CH 06



Date: 28.MAY.2014 17:42:07

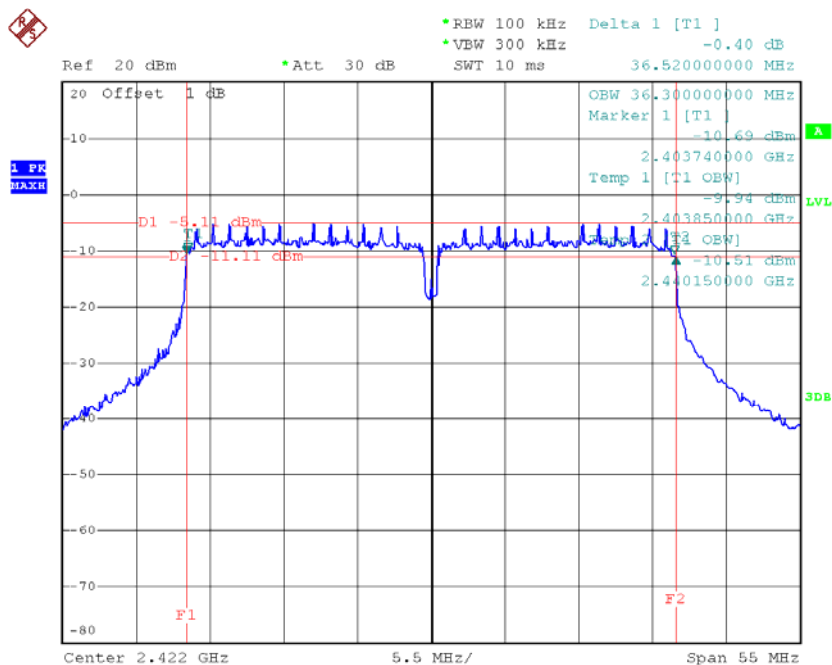
TX CH 11



Date: 28.MAY.2014 17:45:01

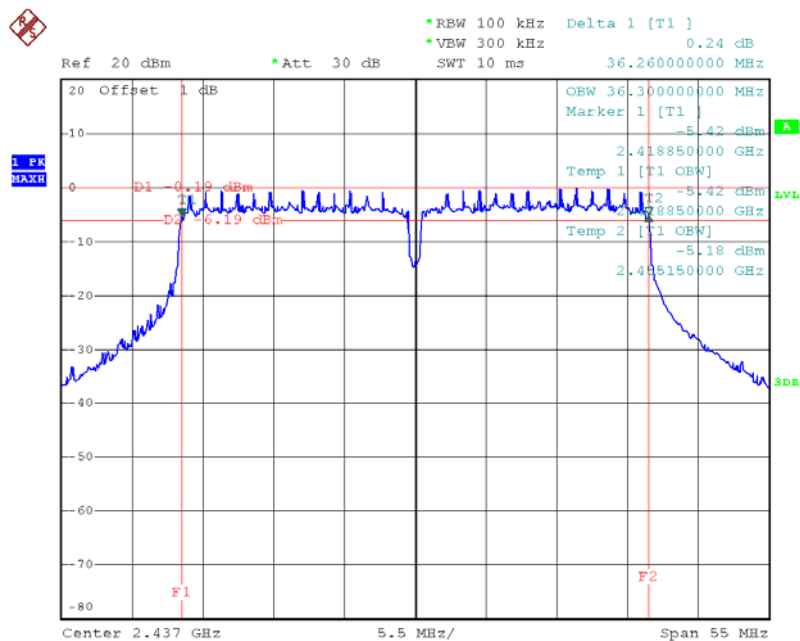
Test Mode : TX N-40MHz Mode_CH03/06/09

TX CH 03



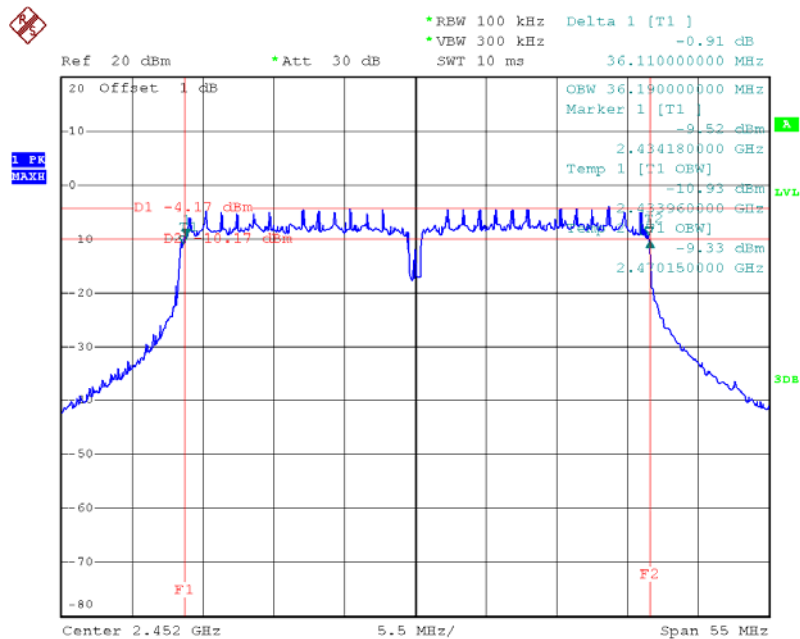
Date: 29.MAY.2014 09:15:05

TX CH 06



Date: 29.MAY.2014 09:19:30

TX CH 09



Date: 29.MAY.2014 09:22:50

ATTACHMENT F - MAXIMUM OUTPUT POWER

For 1TX

Test Mode : TX B Mode				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	22.73	30	1
CH06	2437	22.82	30	1
CH11	2462	22.67	30	1

Test Mode : TX G Mode				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	19.36	30	1
CH06	2437	21.81	30	1
CH11	2462	19.39	30	1

Test Mode : TX N-20M Mode				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	18.86	30	1
CH06	2437	21.03	30	1
CH11	2462	18.92	30	1

Test Mode : TX N-40M Mode				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	16.85	30	1
CH06	2437	20.11	30	1
CH09	2452	17.04	30	1

For 2TX

Test Mode : TX B Mode_ANT A				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	20.03	30	1
CH06	2437	19.98	30	1
CH11	2462	20.01	30	1

Test Mode : TX B Mode_ANT B				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	19.97	30	1
CH06	2437	19.98	30	1
CH11	2462	20.01	30	1

Test Mode : TX B Mode_Total				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	23.01	30	1
CH06	2437	22.99	30	1
CH11	2462	23.02	30	1

Test Mode : TX G Mode_ANT A				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	16.84	30	1
CH06	2437	19.24	30	1
CH11	2462	16.87	30	1

Test Mode : TX G Mode_ANT B				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	16.79	30	1
CH06	2437	19.26	30	1
CH11	2462	16.82	30	1

Test Mode : TX G Mode_Total				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	19.83	30	1
CH06	2437	22.26	30	1
CH11	2462	19.86	30	1

Test Mode : TX N-20M Mode_ANT A				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	16.28	30	1
CH06	2437	18.56	30	1
CH11	2462	16.35	30	1

Test Mode : TX N-20M Mode_ANT B				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	16.31	30	1
CH06	2437	18.44	30	1
CH11	2462	16.42	30	1

Test Mode : TX N-20M Mode_Total				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	19.31	30	1
CH06	2437	21.51	30	1
CH11	2462	19.40	30	1

Test Mode : TX N-40M Mode_ANT A				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	14.31	30	1
CH06	2437	17.79	30	1
CH09	2452	14.49	30	1

Test Mode : TX N-40M Mode_ANT B				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	14.25	30	1
CH06	2437	17.85	30	1
CH09	2452	14.56	30	1

Test Mode : TX N-40M Mode_Total				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	17.29	30	1
CH06	2437	20.83	30	1
CH09	2452	17.54	30	1

For 3TX

Test Mode : TX B Mode_ANT A				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	18.98	30	1
CH06	2437	18.65	30	1
CH11	2462	19.22	30	1

Test Mode : TX B Mode_ANT B				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	18.69	30	1
CH06	2437	18.44	30	1
CH11	2462	18.95	30	1

Test Mode : TX B Mode_ANT C				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	18.78	30	1
CH06	2437	18.99	30	1
CH11	2462	18.86	30	1

Test Mode : TX B Mode_Total				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	23.59	30	1
CH06	2437	23.47	30	1
CH11	2462	23.78	30	1

Test Mode : TX G Mode_ANT A				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	15.63	30	1
CH06	2437	18.12	30	1
CH11	2462	15.77	30	1

Test Mode : TX G Mode_ANT B				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	15.65	30	1
CH06	2437	18.22	30	1
CH11	2462	15.21	30	1

Test Mode : TX G Mode_ANT C				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	15.57	30	1
CH06	2437	18.12	30	1
CH11	2462	15.88	30	1

Test Mode : TX G Mode_Total				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	20.39	30	1
CH06	2437	22.92	30	1
CH11	2462	20.40	30	1

Test Mode : TX N-20M Mode_ANT A				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	15.12	30	1
CH06	2437	17.46	30	1
CH11	2462	15.75	30	1

Test Mode : TX N-20M Mode_ANT B				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	15.21	30	1
CH06	2437	17.25	30	1
CH11	2462	15.36	30	1

Test Mode : TX N-20M Mode_ANT C				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	15.12	30	1
CH06	2437	17.27	30	1
CH11	2462	15.17	30	1

Test Mode : TX N-20M Mode_Total				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	19.92	30	1
CH06	2437	22.10	30	1
CH11	2462	20.20	30	1

Test Mode : TX N-40M Mode_ANT A

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	13.22	30	1
CH06	2437	16.58	30	1
CH09	2452	13.35	30	1

Test Mode : TX N-40M Mode_ANT B

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	13.24	30	1
CH06	2437	16.59	30	1
CH09	2452	13.65	30	1

Test Mode : TX N-40M Mode_ANT C

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	13.78	30	1
CH06	2437	16.66	30	1
CH09	2452	13.45	30	1

Test Mode : TX N-40M Mode_Total

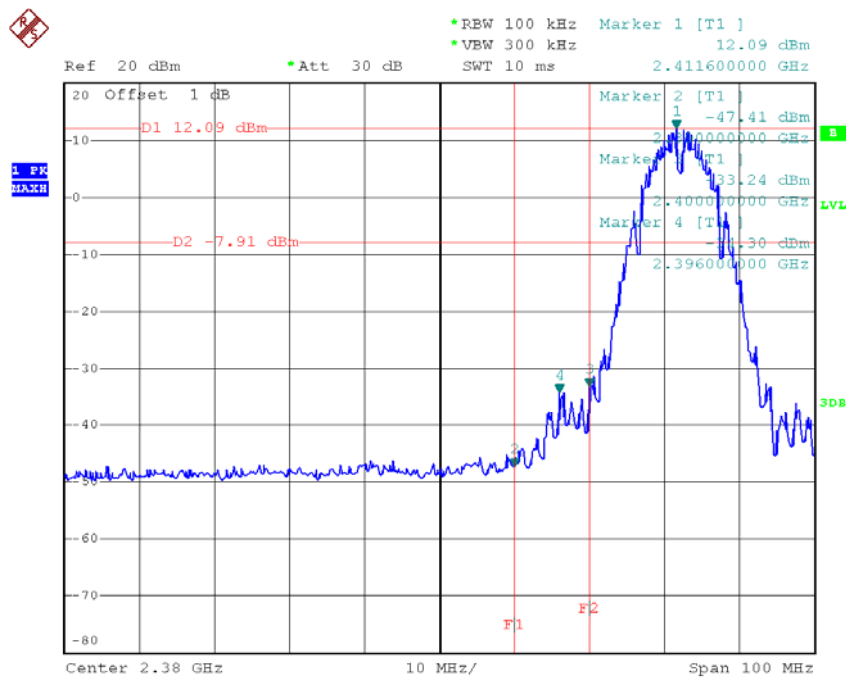
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	18.19	30	1
CH06	2437	21.38	30	1
CH09	2452	18.26	30	1

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

For 1TX

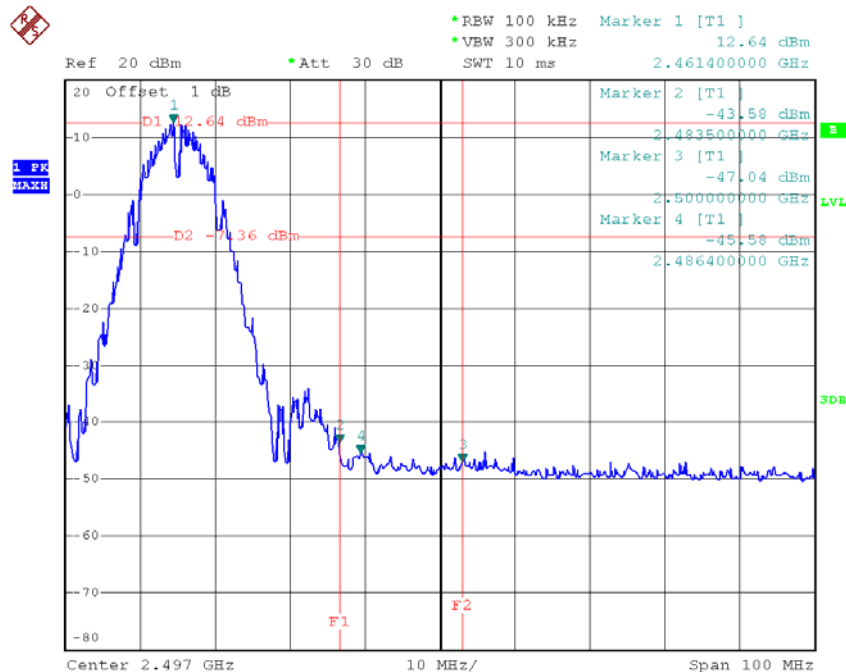
Test Mode :	TX B Mode
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TX B mode CH01



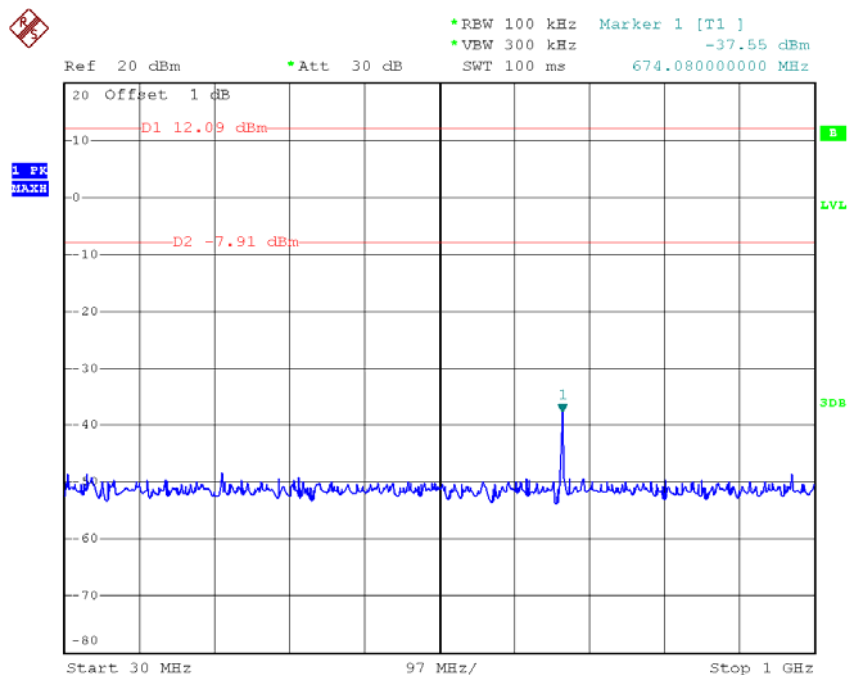
Date: 28.MAY.2014 16:25:40

TX B mode CH11



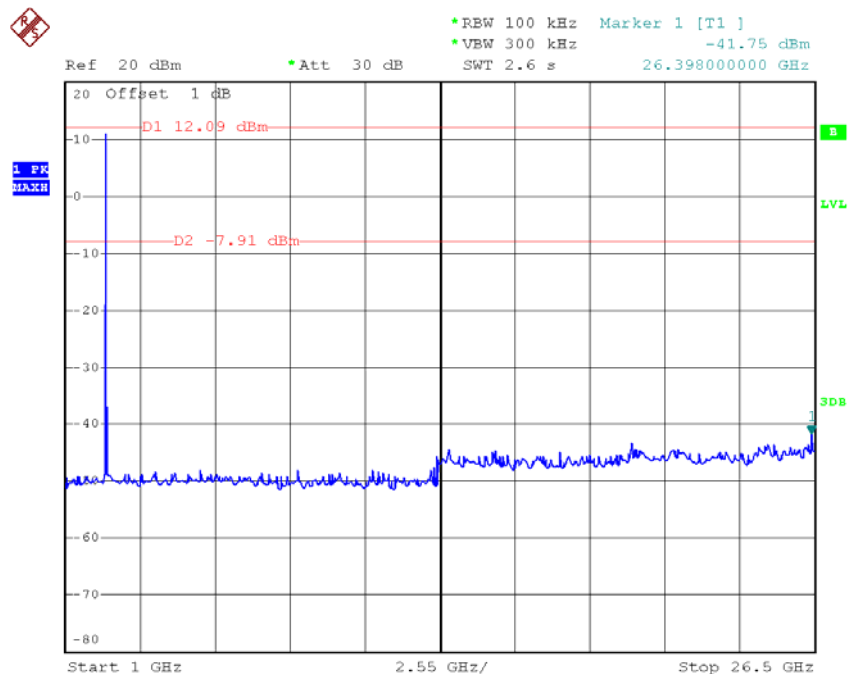
Date: 28.MAY.2014 16:19:33

TX B mode CH01 (30MHz to 1000MHz)



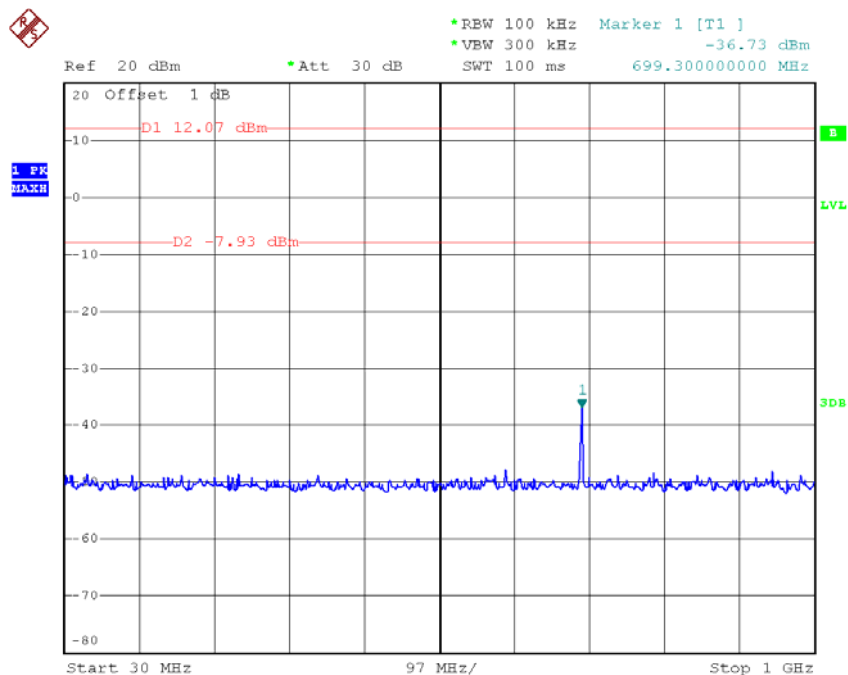
Date: 28.MAY.2014 16:25:50

TX B mode CH01 (1000MHz to 10th Harmonic)



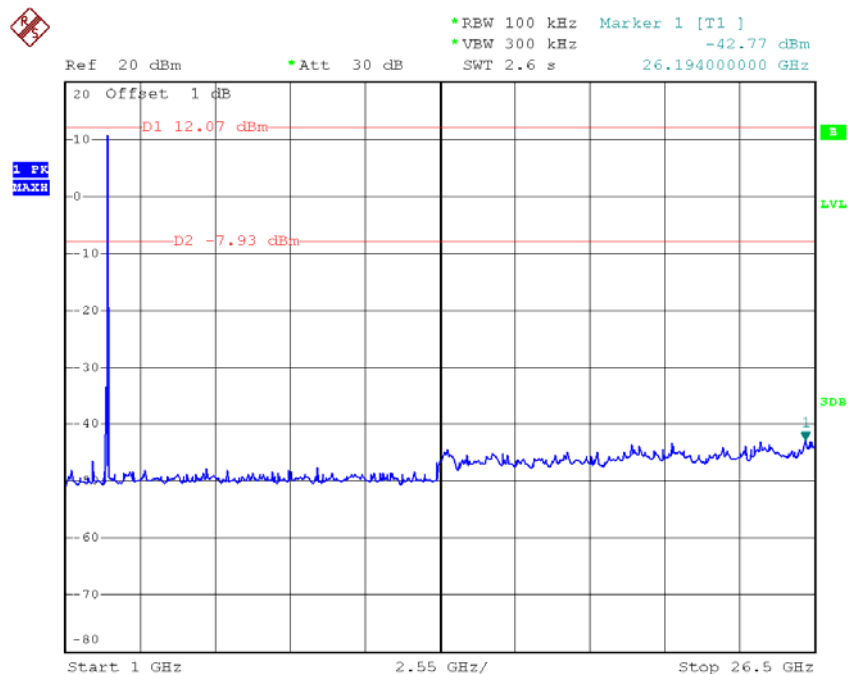
Date: 28.MAY.2014 16:26:06

TX B mode CH06 (30MHz to 1000MHz)



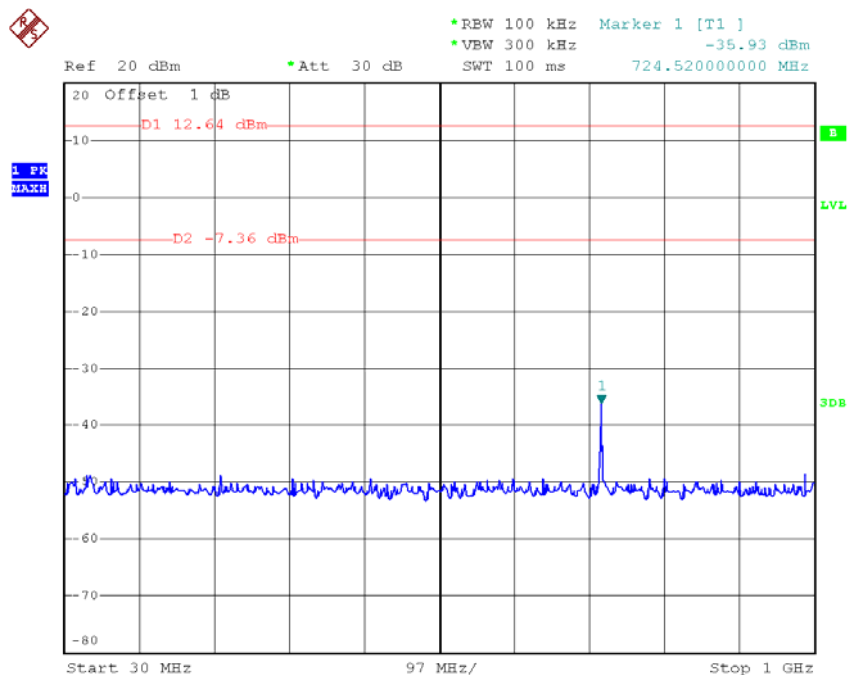
Date: 28.MAY.2014 16:22:33

TX B mode CH06 (1000MHz to 10th Harmonic)



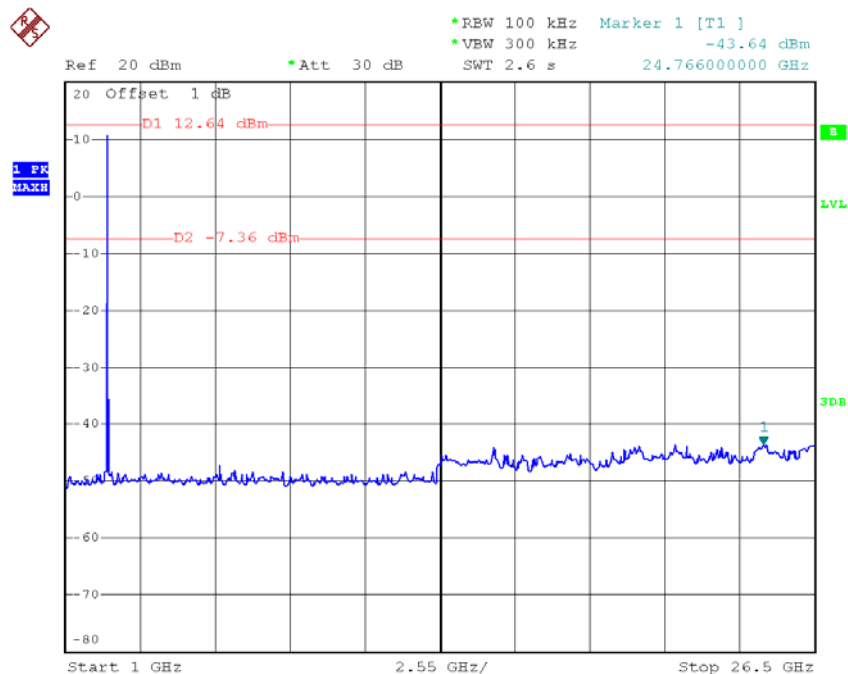
Date: 28.MAY.2014 16:22:58

TX B mode CH11 (30MHz to 1000MHz)



Date: 28.MAY.2014 16:19:44

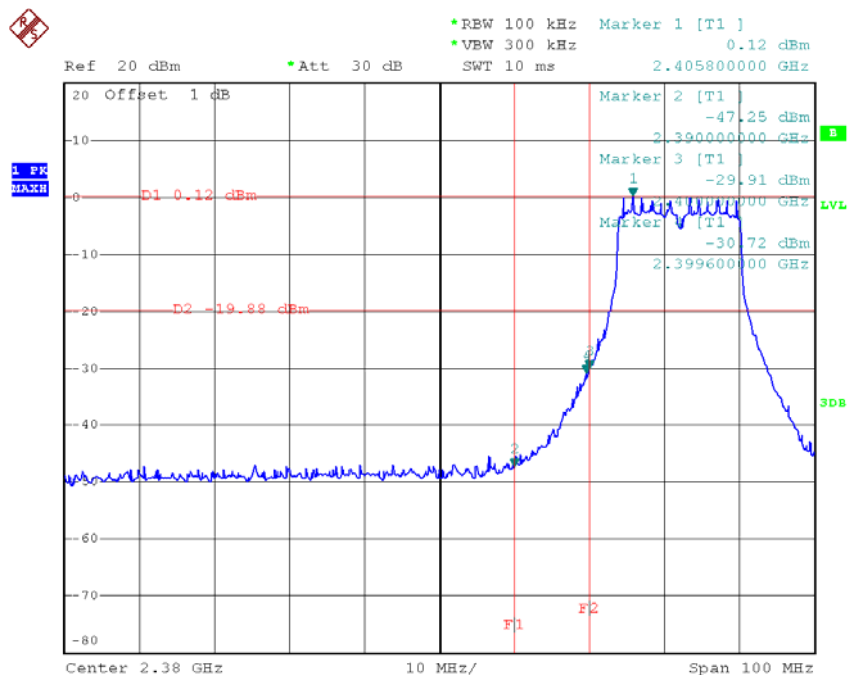
TX B mode CH11 (1000MHz to 10th Harmonic)



Date: 28.MAY.2014 16:20:02

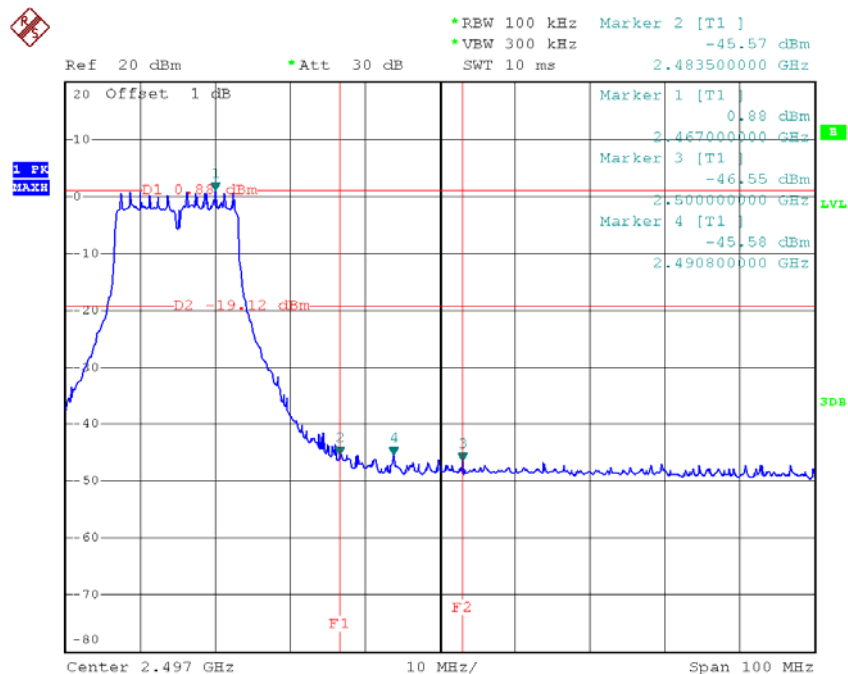
Test Mode :	TX G Mode
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TX G mode CH01



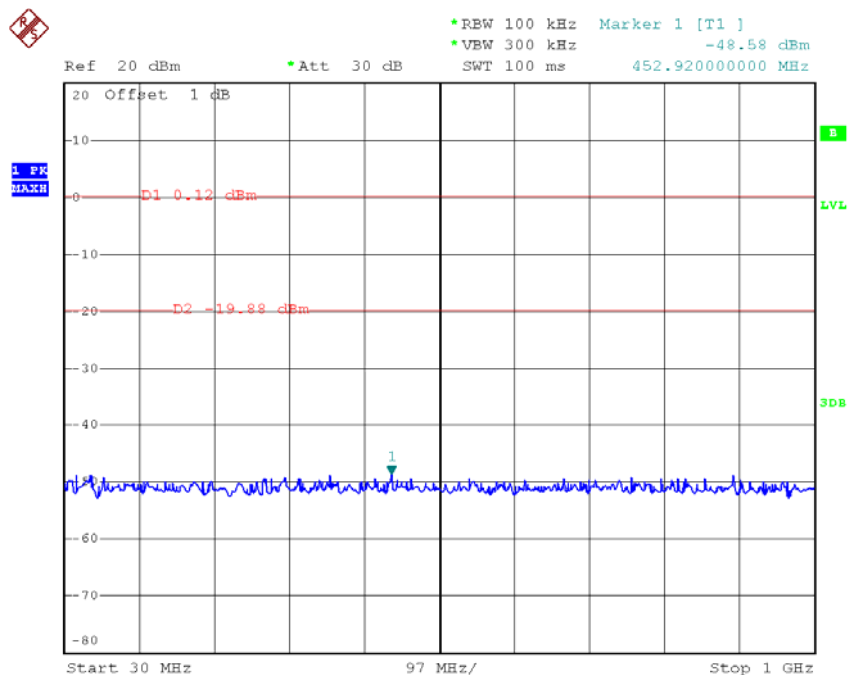
Date: 28.MAY.2014 17:05:14

TX G mode CH11



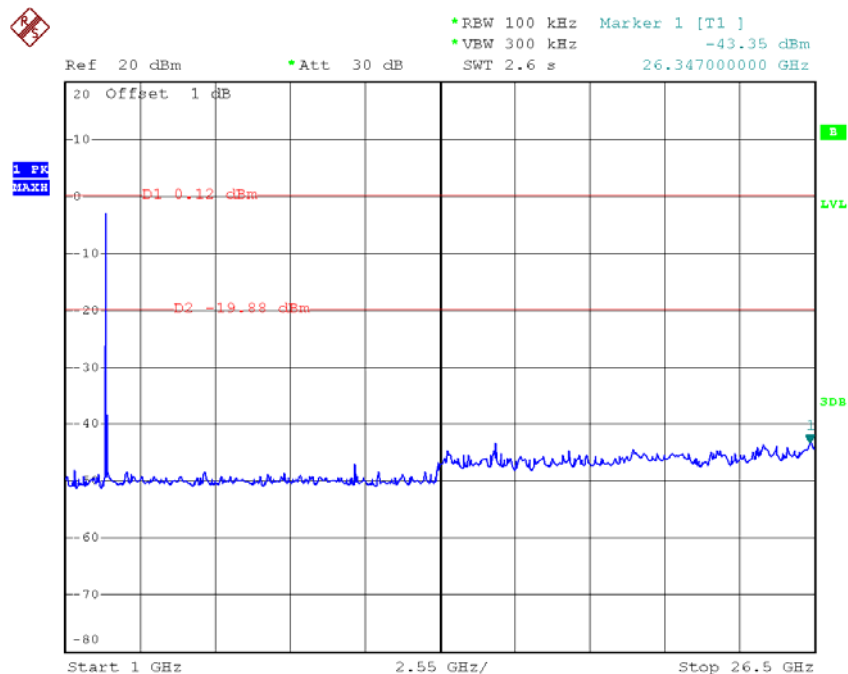
Date: 28.MAY.2014 17:13:06

TX G mode CH01 (30MHz to 1000MHz)



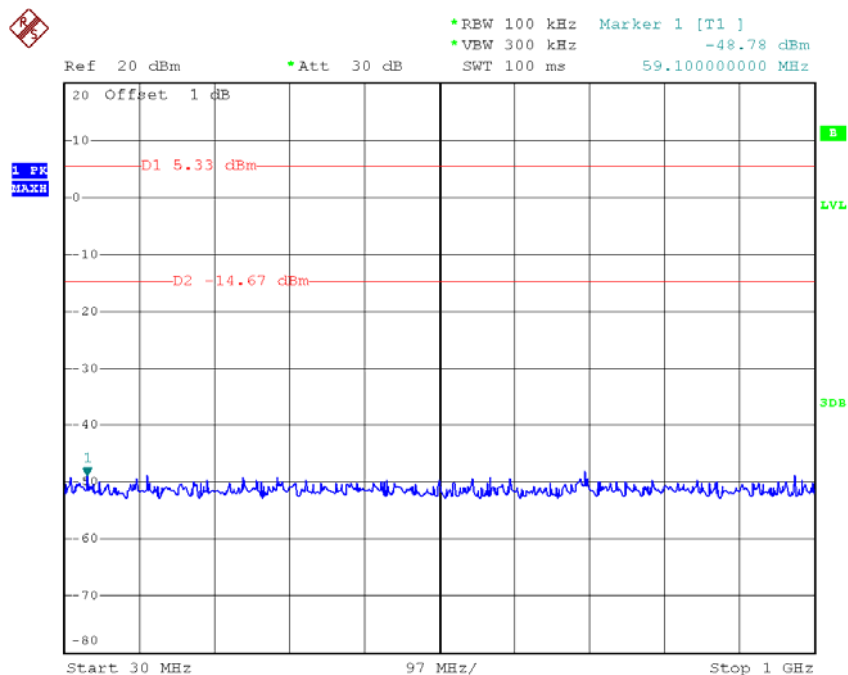
Date: 28.MAY.2014 17:05:26

TX G mode CH01 (1000MHz to 10th Harmonic)



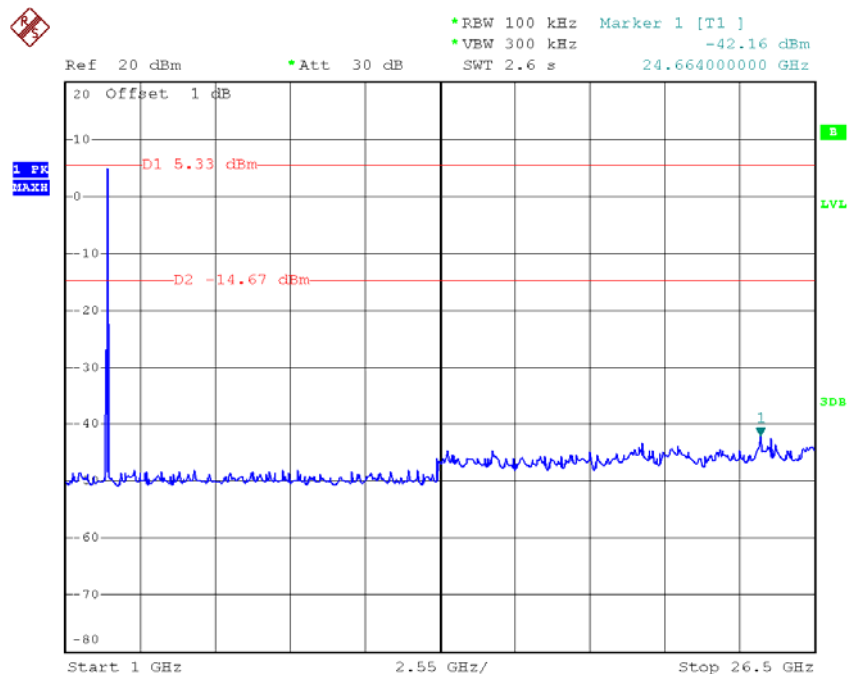
Date: 28.MAY.2014 17:05:45

TX G mode CH06 (30MHz to 1000MHz)



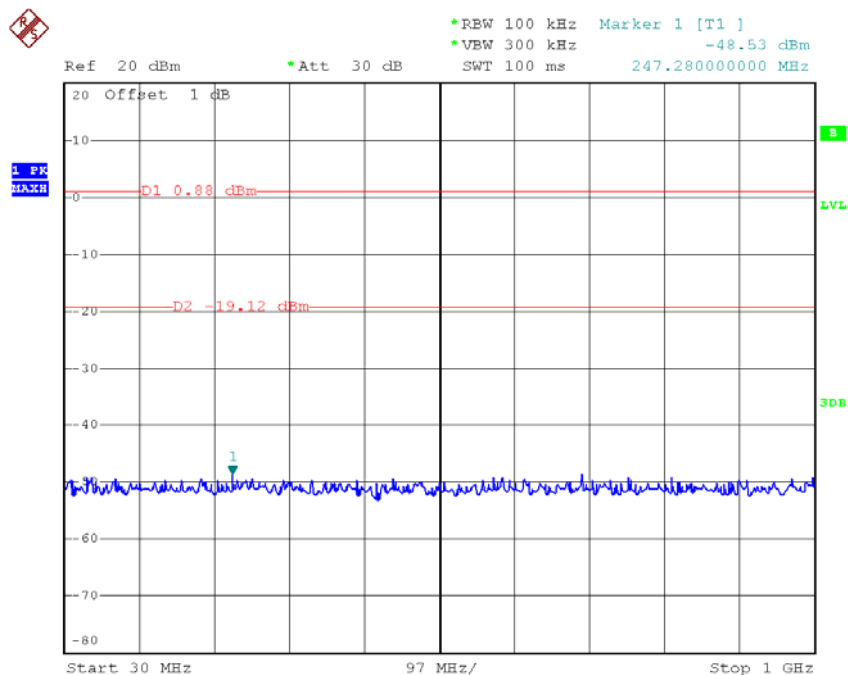
Date: 28.MAY.2014 17:08:56

TX G mode CH06 (1000MHz to 10th Harmonic)



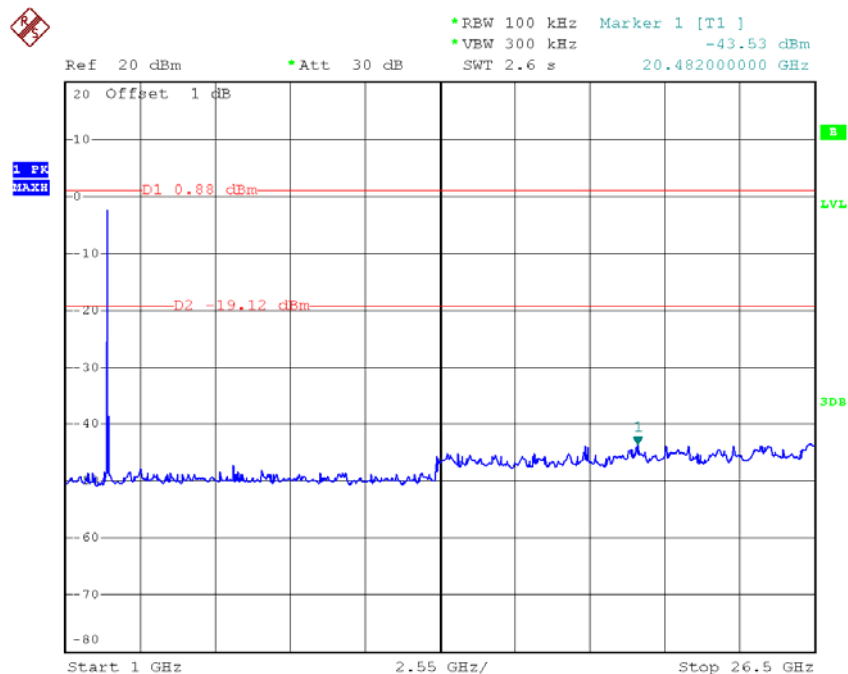
Date: 28.MAY.2014 17:09:17

TX G mode CH11 (30MHz to 1000MHz)



Date: 28.MAY.2014 17:13:25

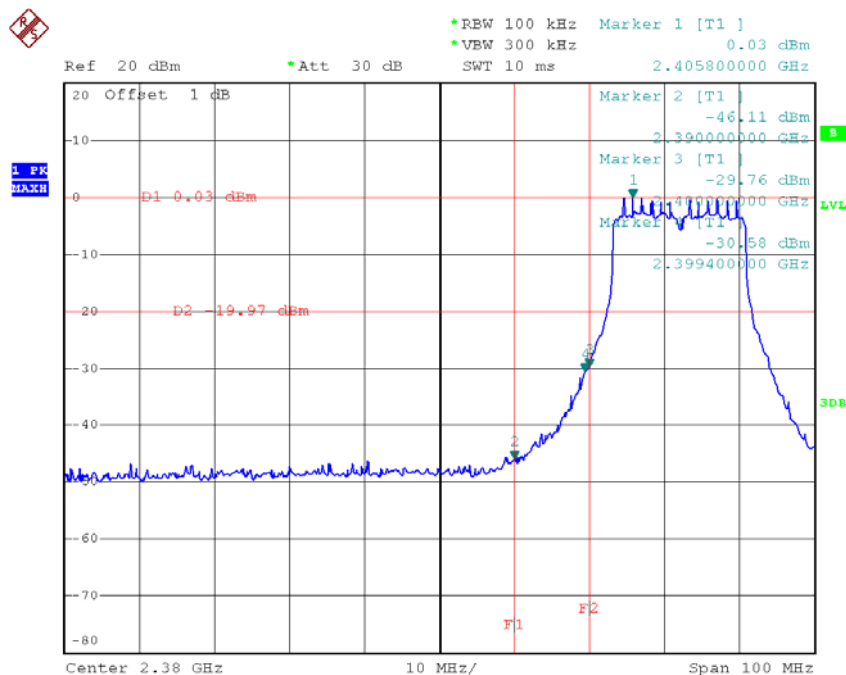
TX G mode CH11 (1000MHz to 10th Harmonic)



Date: 28.MAY.2014 17:13:48

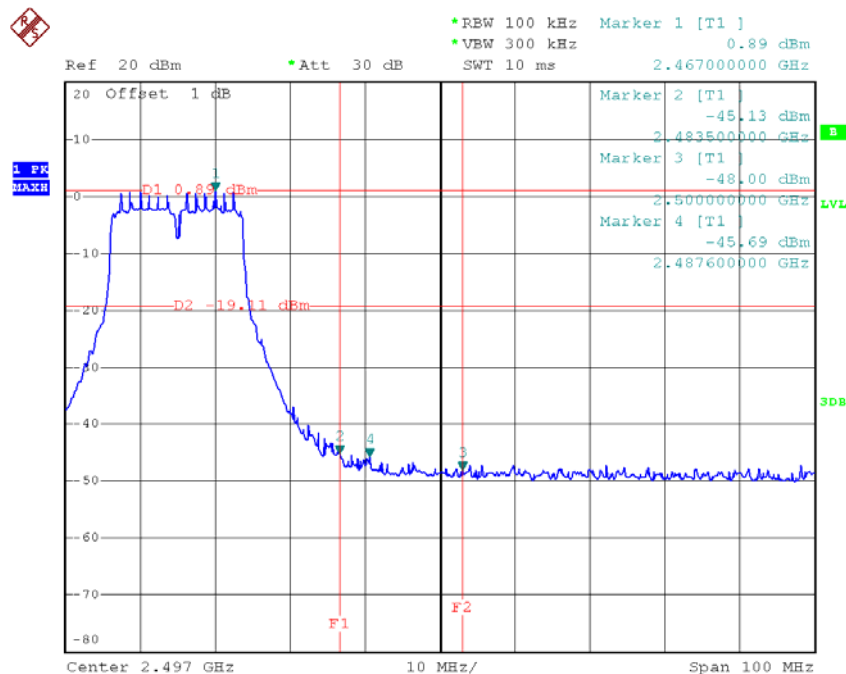
Test Mode :	TX N-20M Mode
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TX HT20 mode CH01



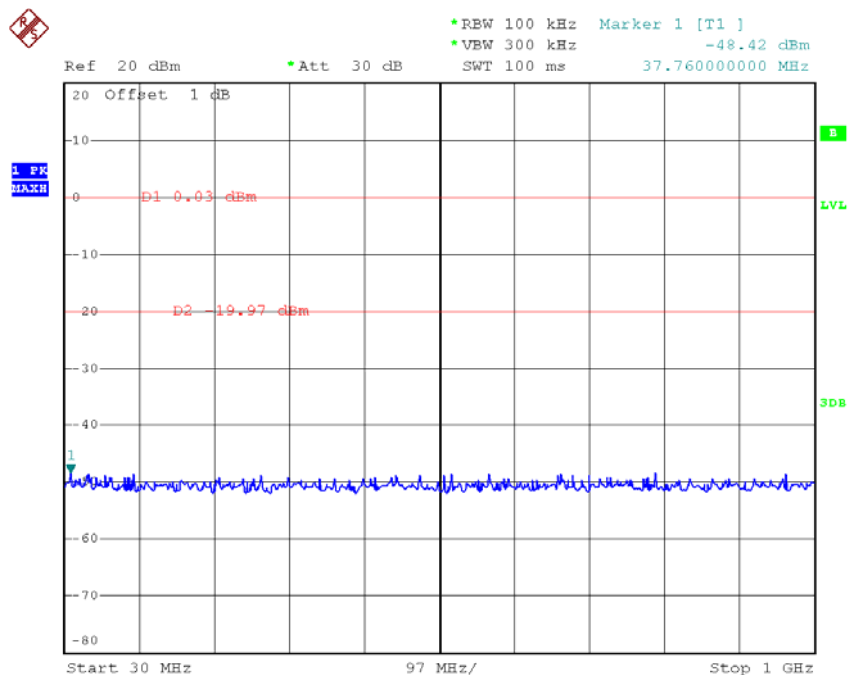
Date: 28.MAY.2014 17:40:16

TX HT20 mode CH11



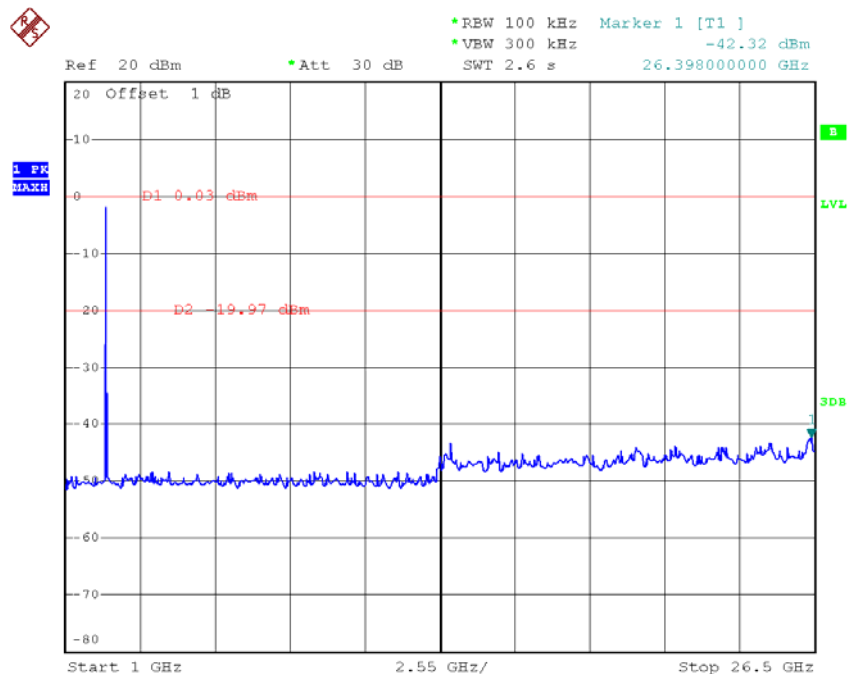
Date: 28.MAY.2014 17:46:23

TX HT20 mode CH01 (30MHz to 1000MHz)



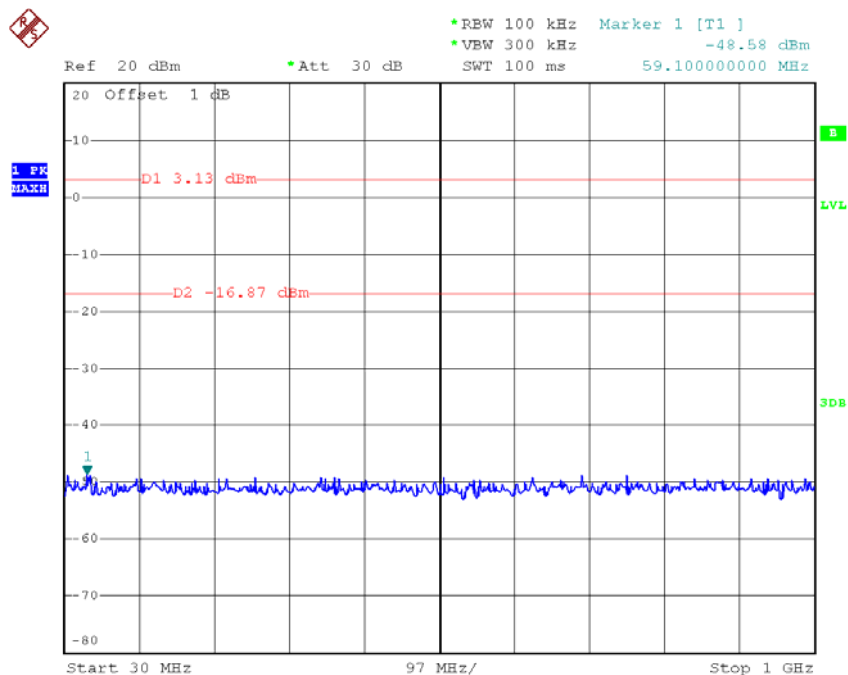
Date: 28.MAY.2014 17:40:33

TX HT20 mode CH01 (1000MHz to 10th Harmonic)



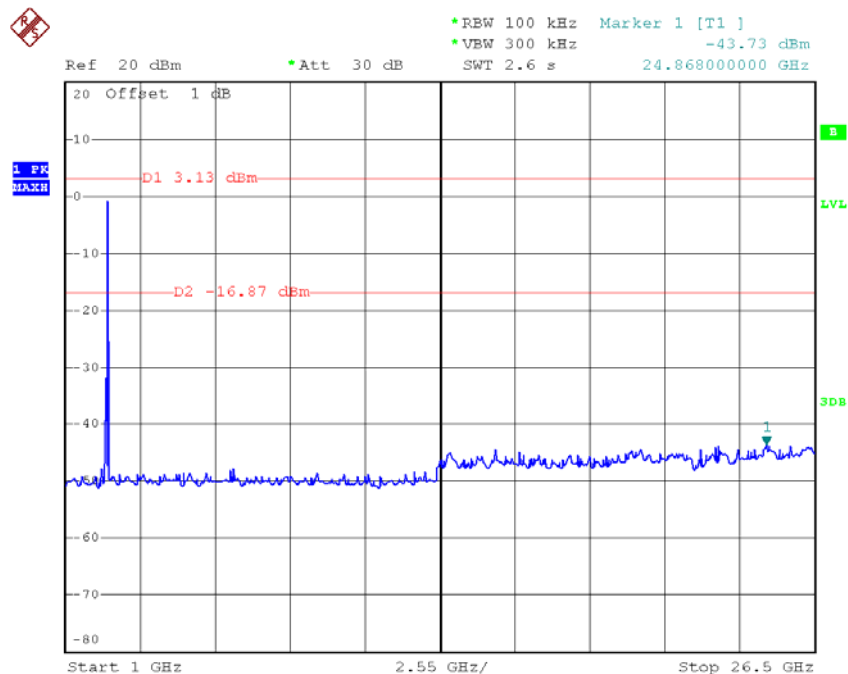
Date: 28.MAY.2014 17:40:48

TX HT20 mode CH06 (30MHz to 1000MHz)



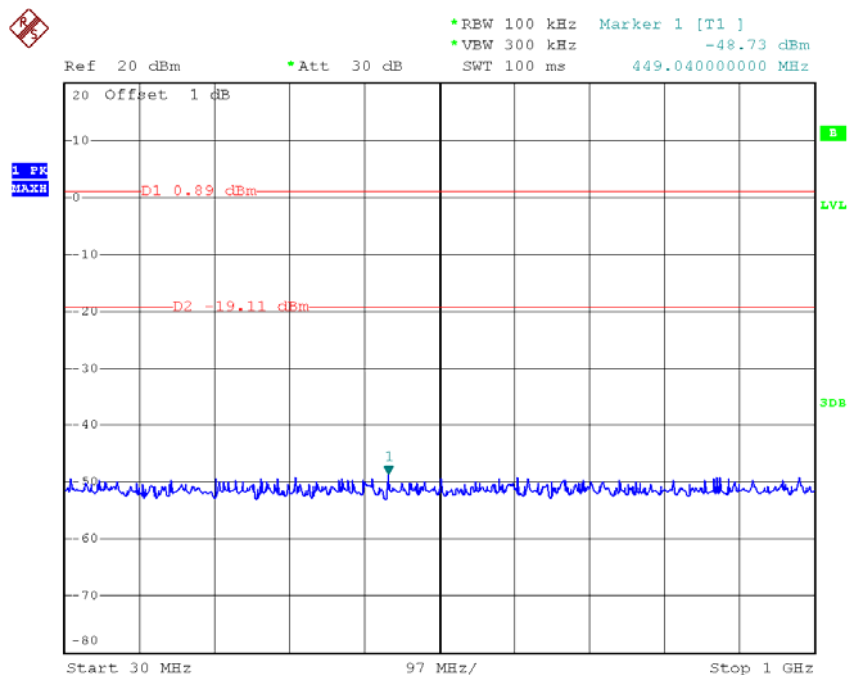
Date: 28.MAY.2014 17:43:12

TX HT20 mode CH06 (1000MHz to 10th Harmonic)



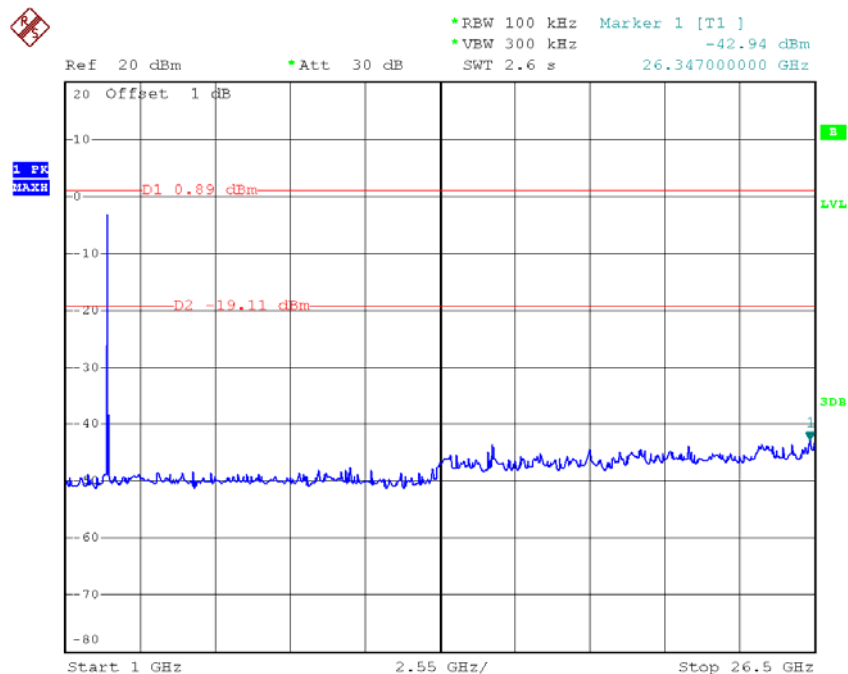
Date: 28.MAY.2014 17:43:31

TX HT20 mode CH11 (30MHz to 1000MHz)



Date: 28.MAY.2014 17:46:32

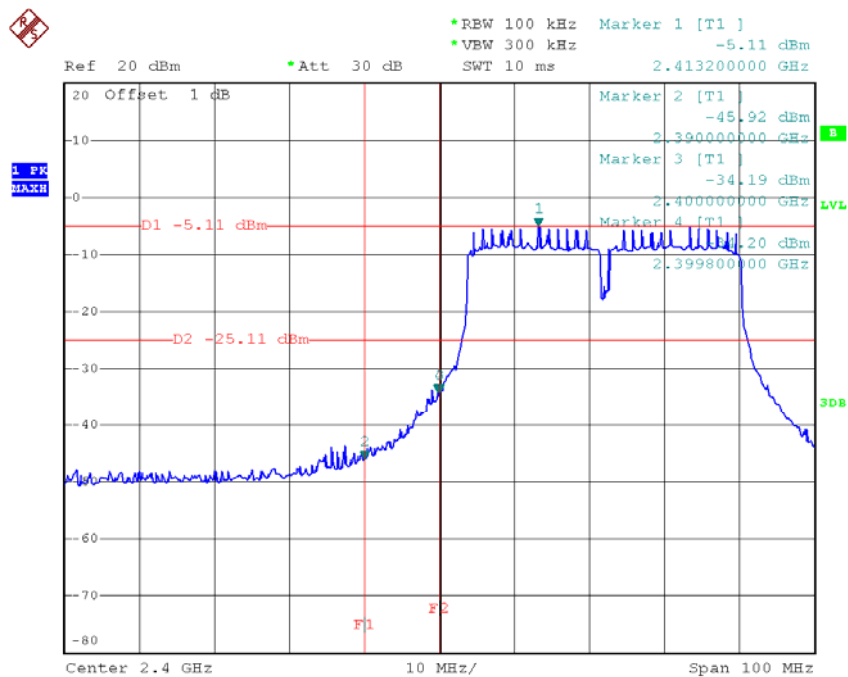
TX HT20 mode CH11 (1000MHz to 10th Harmonic)



Date: 28.MAY.2014 17:46:48

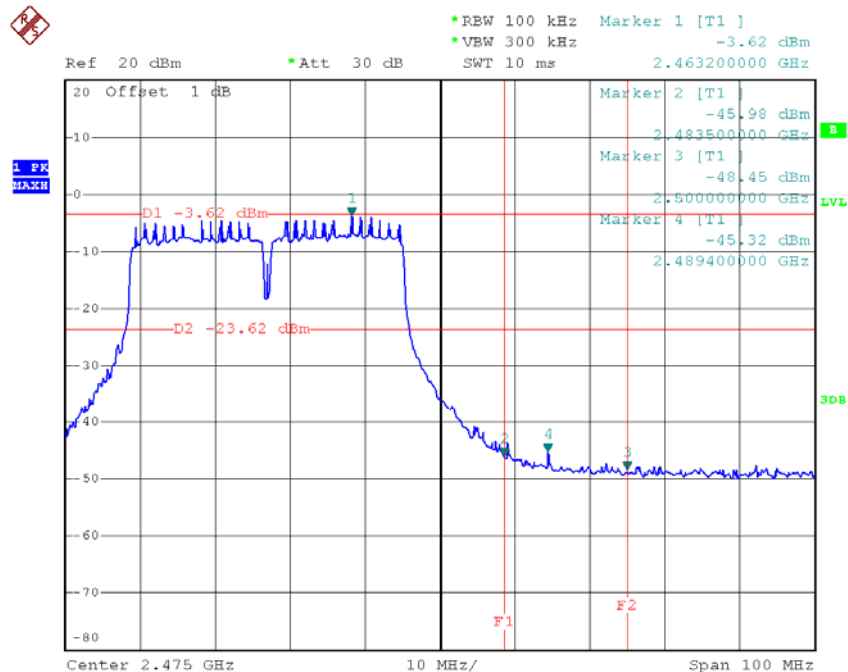
Test Mode :	TX N-40M Mode
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TX HT40 mode CH03



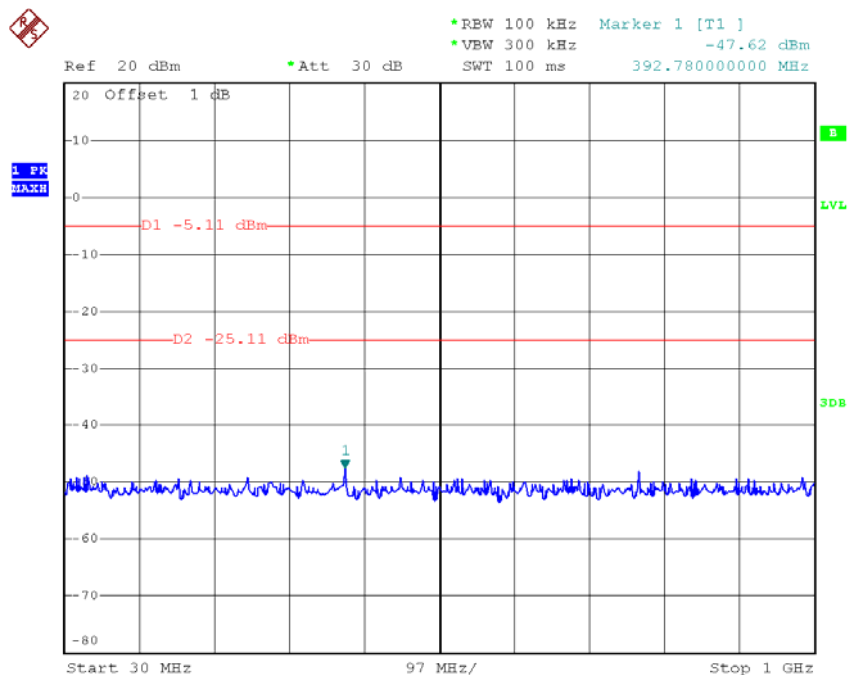
Date: 29.MAY.2014 09:16:08

TX HT40 mode CH09



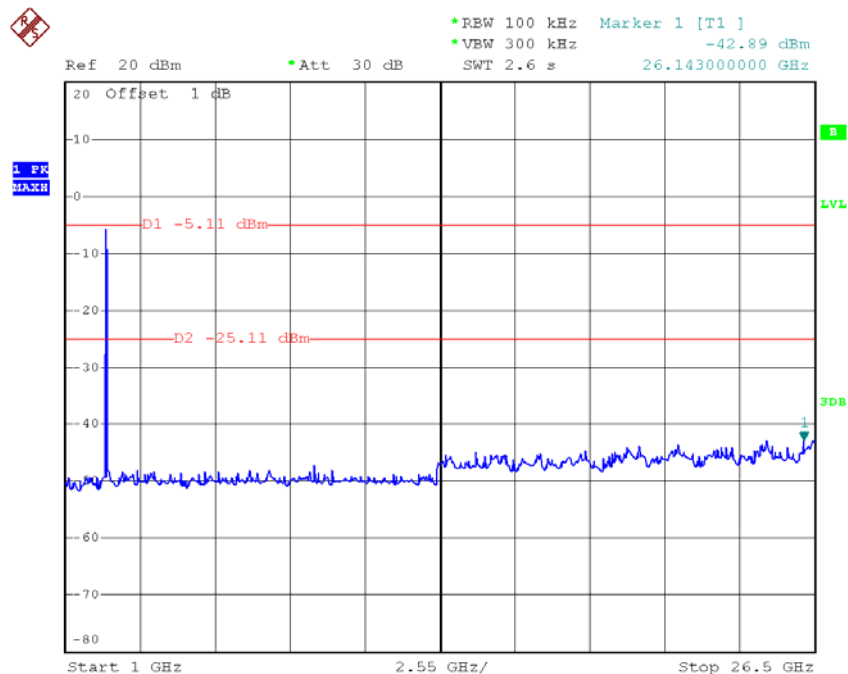
Date: 29.MAY.2014 09:24:37

TX HT40 mode CH03 (30MHz to 1000MHz)



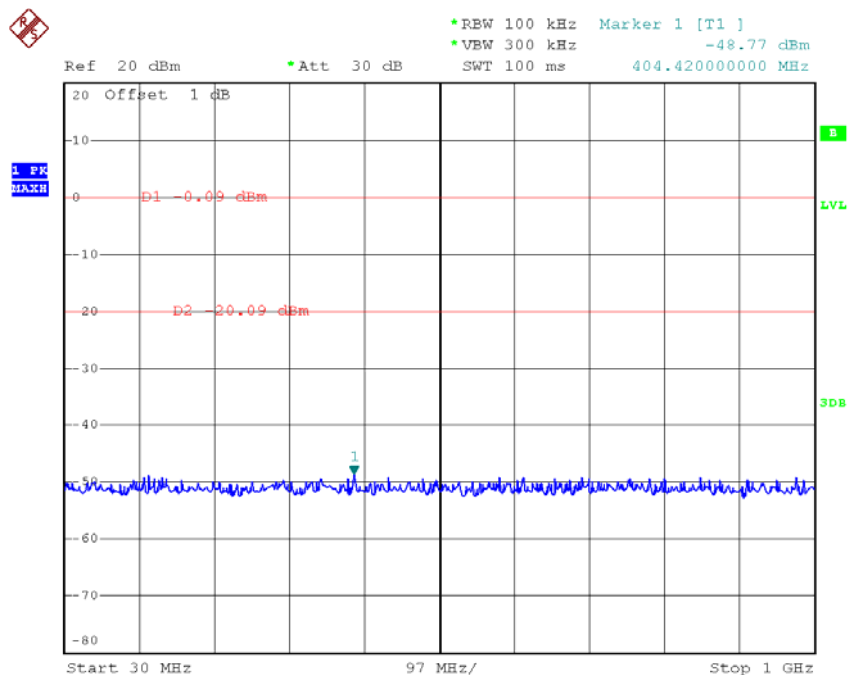
Date: 29.MAY.2014 09:16:18

TX HT40 mode CH03 (1000MHz to 10th Harmonic)



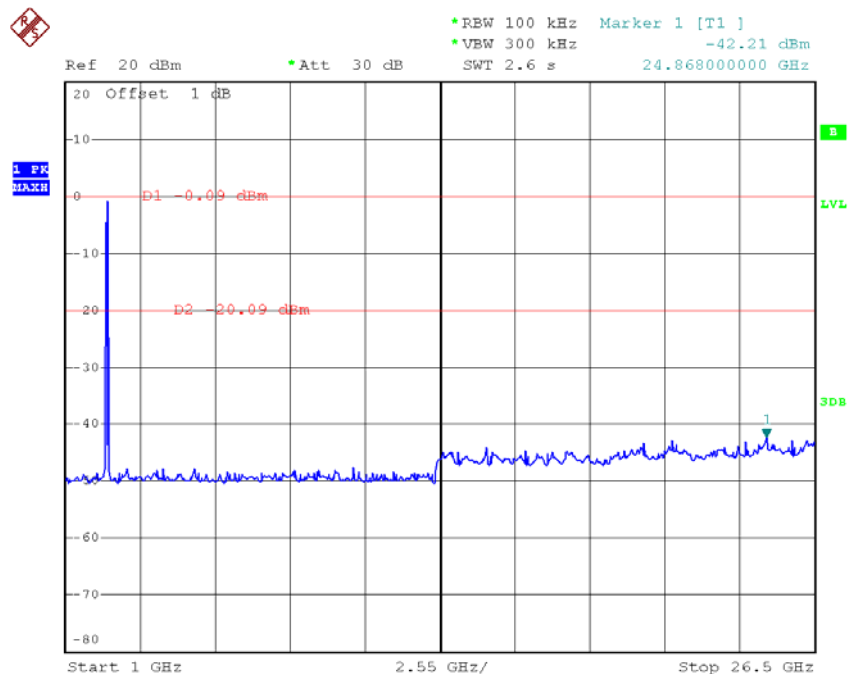
Date: 29.MAY.2014 09:16:35

TX HT40 mode CH06 (30MHz to 1000MHz)



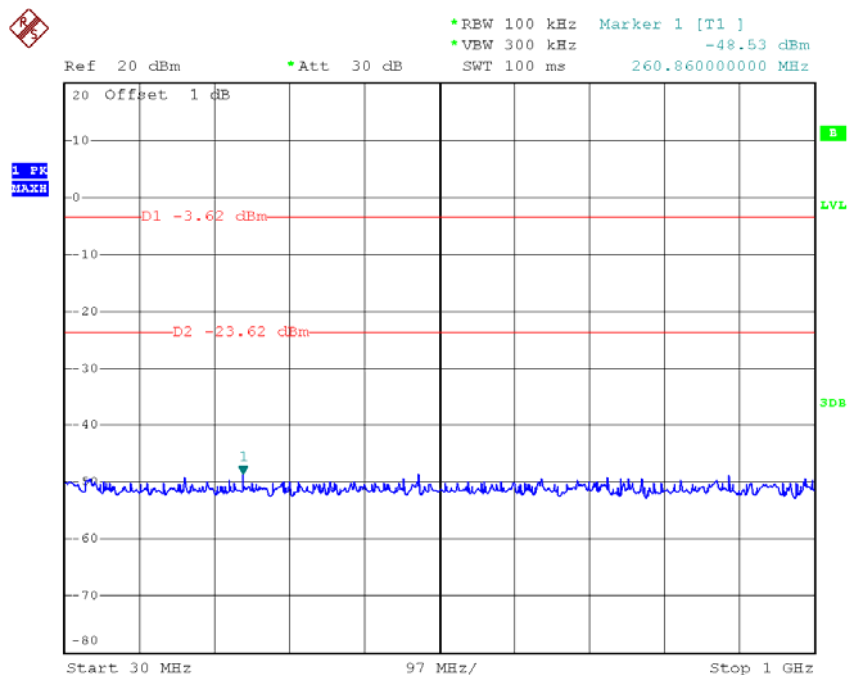
Date: 29.MAY.2014 09:20:36

TX HT40 mode CH06 (1000MHz to 10th Harmonic)



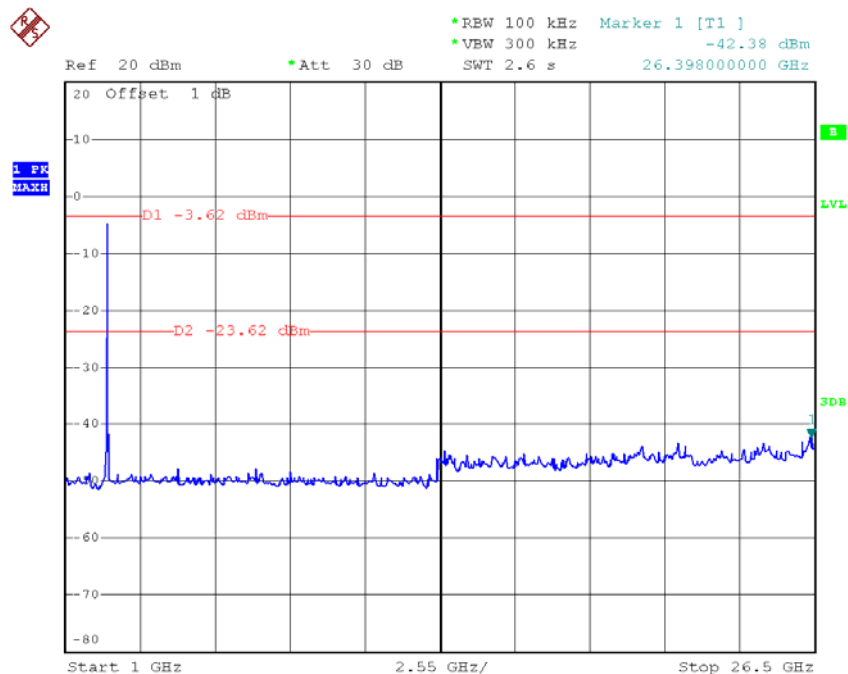
Date: 29.MAY.2014 09:21:15

TX HT40 mode CH09 (30MHz to 1000MHz)



Date: 29.MAY.2014 09:24:47

TX HT40 mode CH09 (1000MHz to 10th Harmonic)

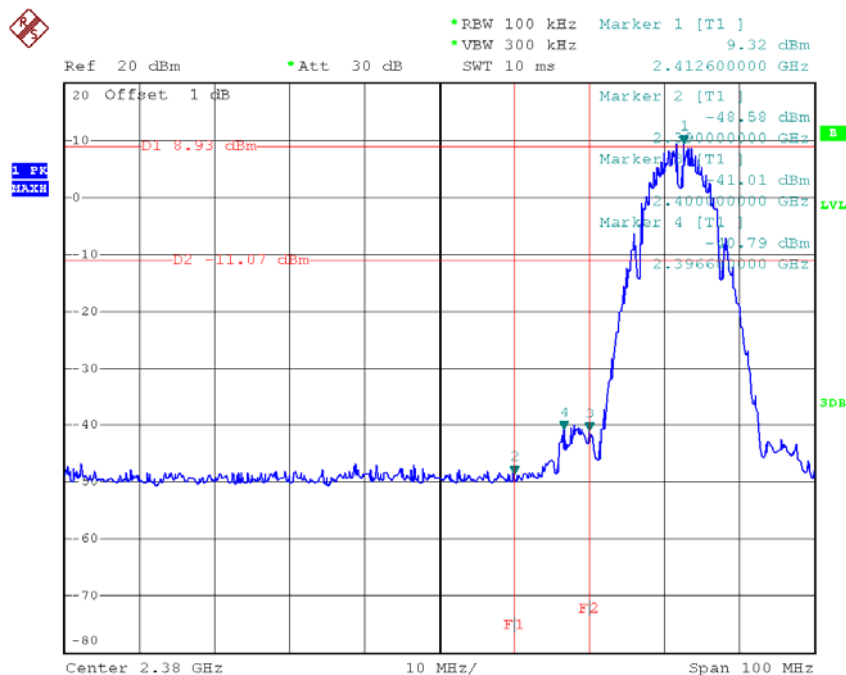


Date: 29.MAY.2014 09:25:03

For 2TX

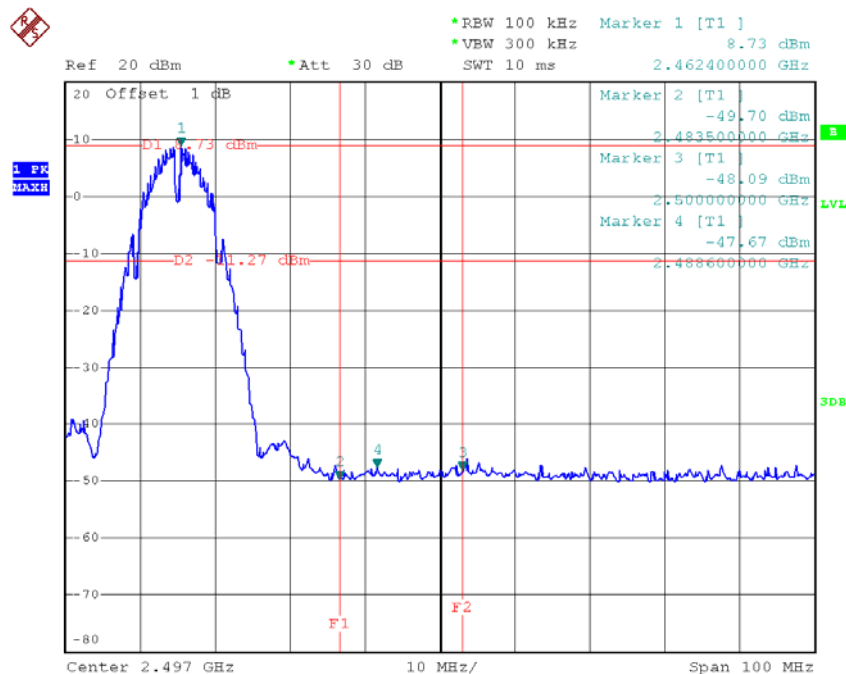
Test Mode :	TX B Mode_ANT A
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TX B mode CH01



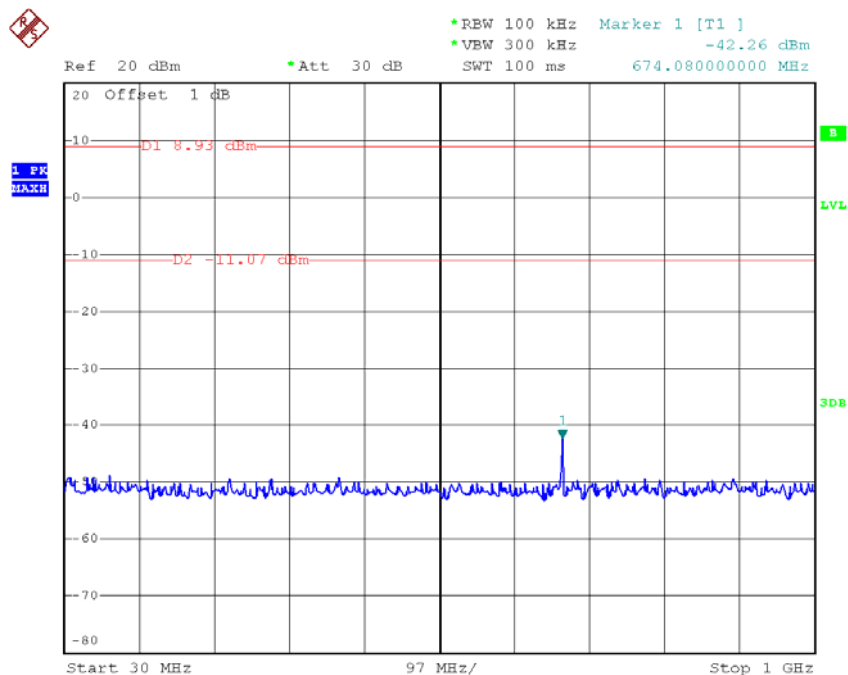
Date: 29.MAY.2014 09:47:38

TX B mode CH11



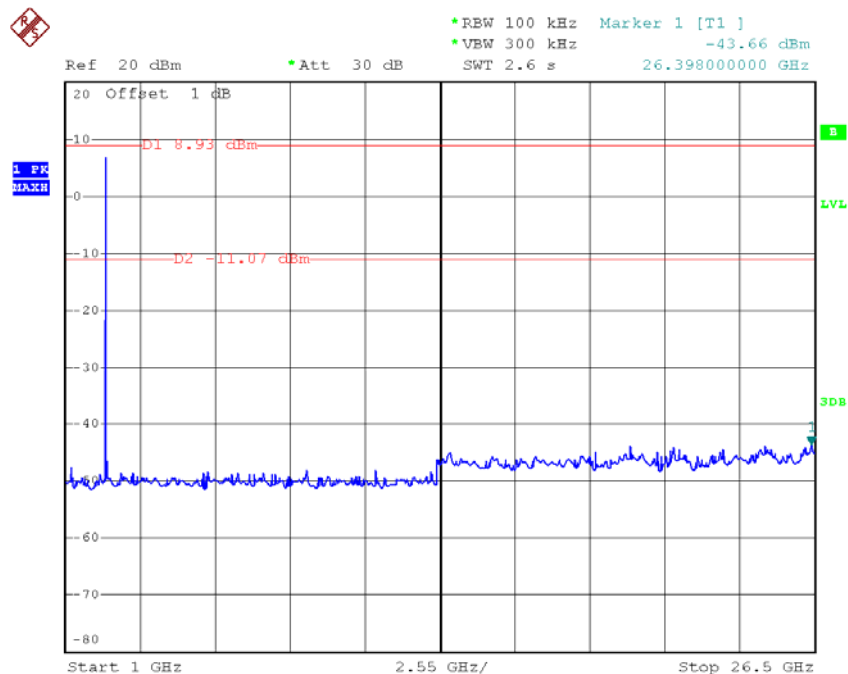
Date: 29.MAY.2014 10:03:16

TX B mode CH01 (30MHz to 1000MHz)



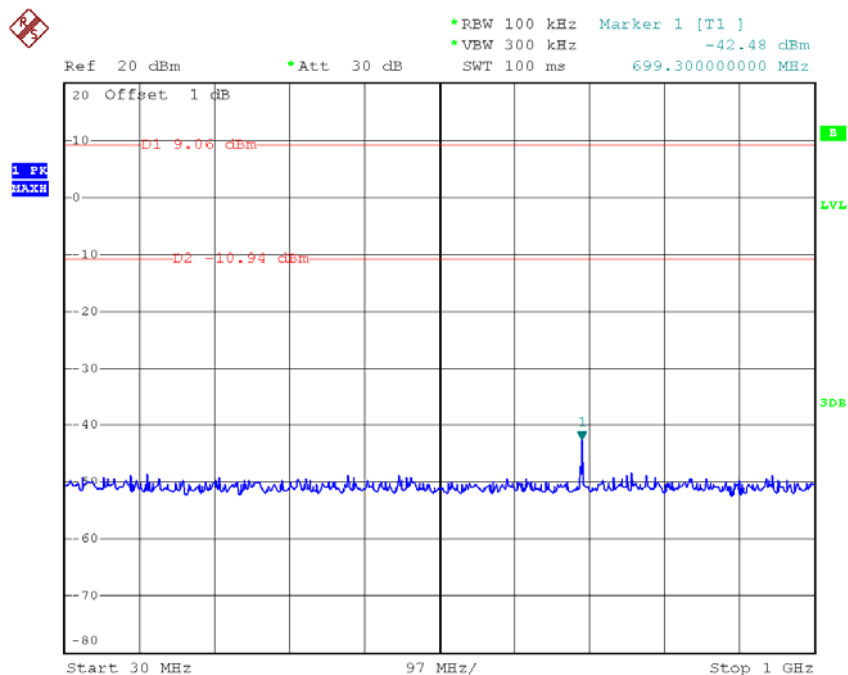
Date: 29.MAY.2014 09:47:47

TX B mode CH01 (1000MHz to 10th Harmonic)



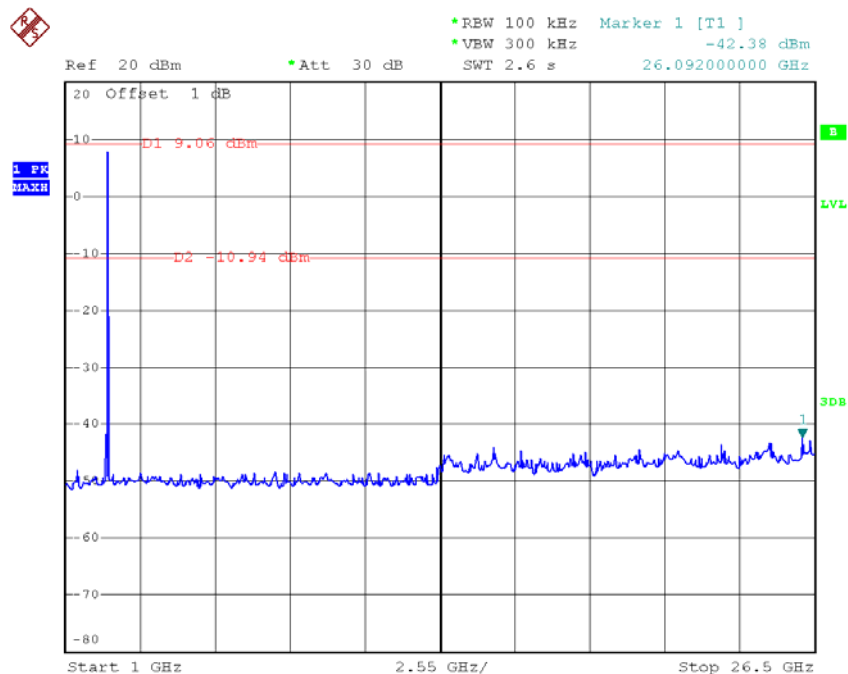
Date: 29.MAY.2014 09:48:00

TX B mode CH06 (30MHz to 1000MHz)



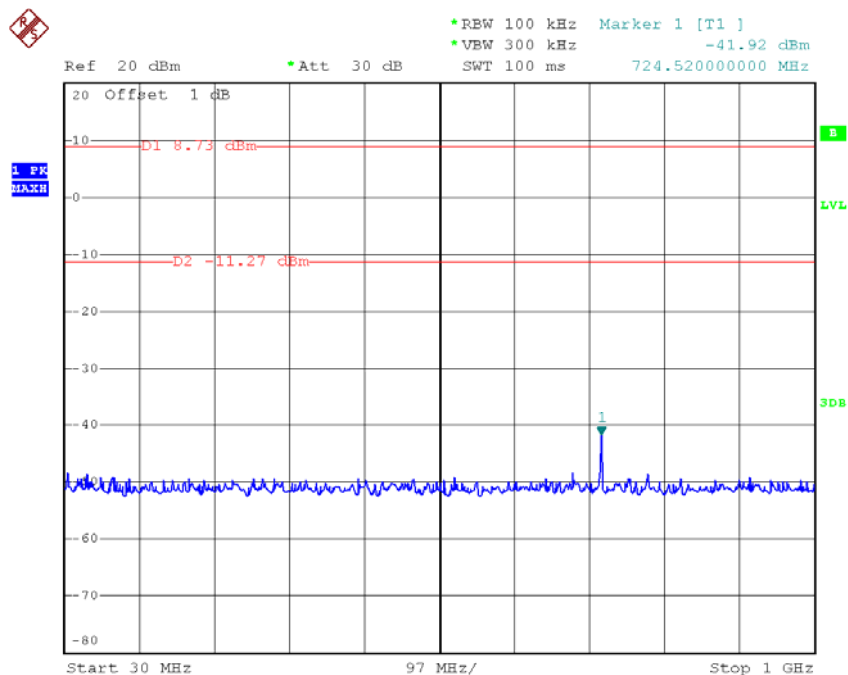
Date: 29.MAY.2014 09:59:17

TX B mode CH06 (1000MHz to 10th Harmonic)



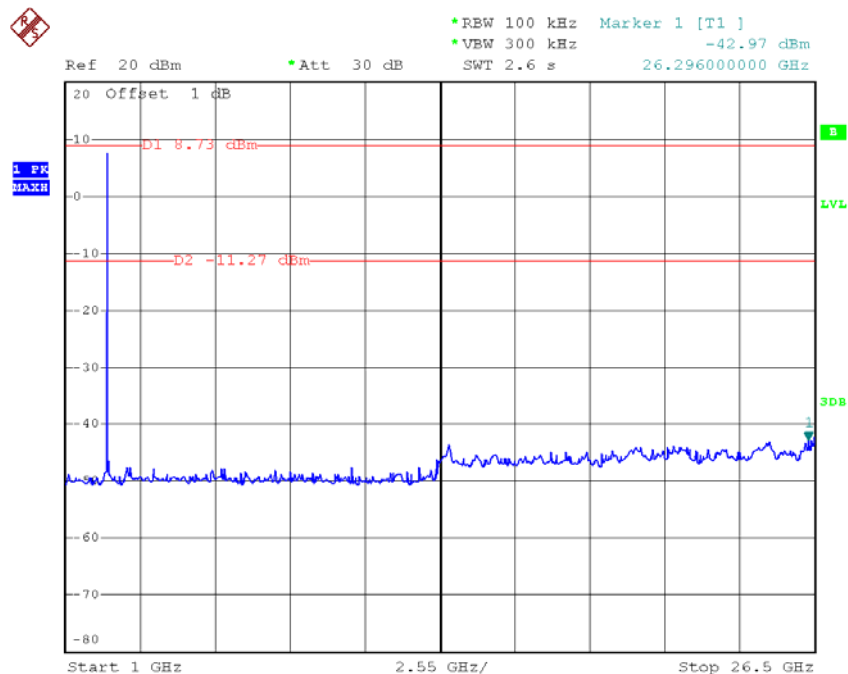
Date: 29.MAY.2014 09:59:45

TX B mode CH11 (30MHz to 1000MHz)



Date: 29.MAY.2014 10:03:28

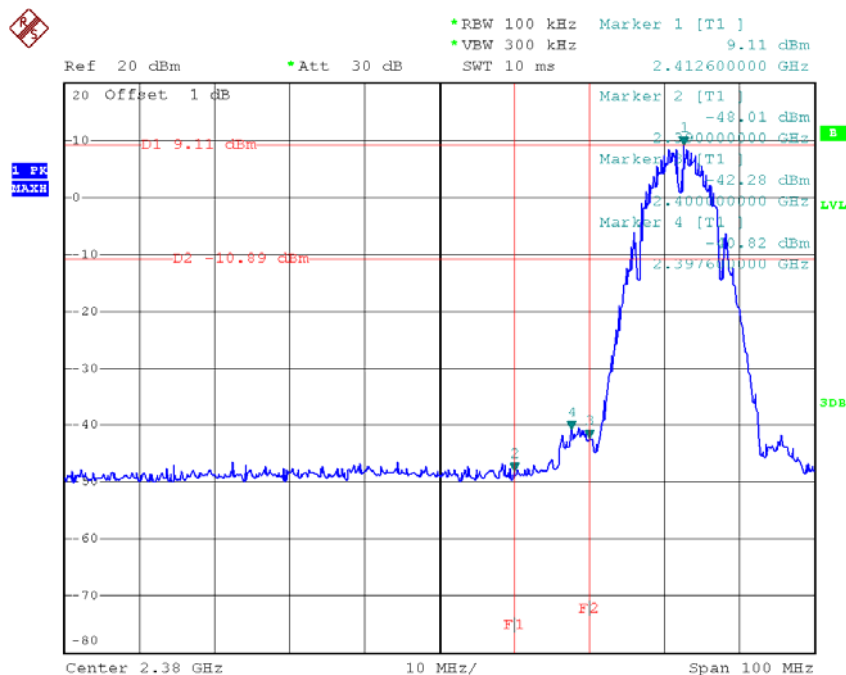
TX B mode CH11 (1000MHz to 10th Harmonic)



Date: 29.MAY.2014 10:03:59

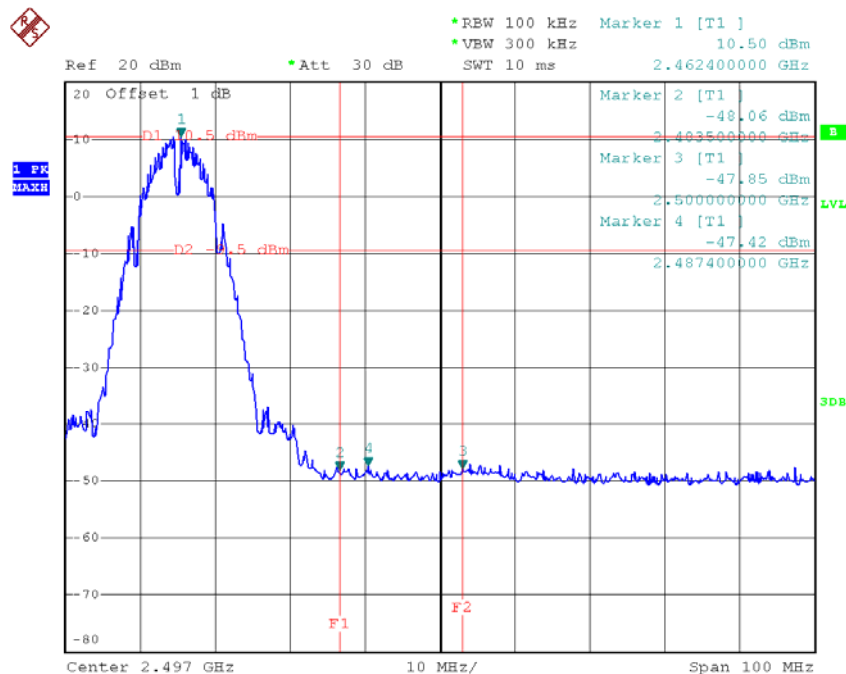
Test Mode :	TX B Mode_ANT B
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TX B mode CH01



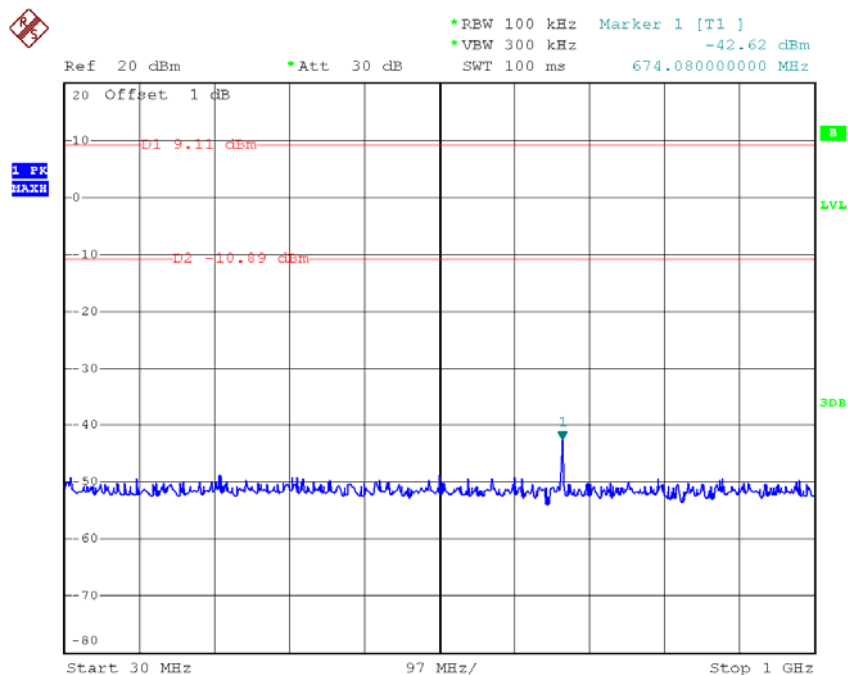
Date: 29.MAY.2014 09:49:29

TX B mode CH11



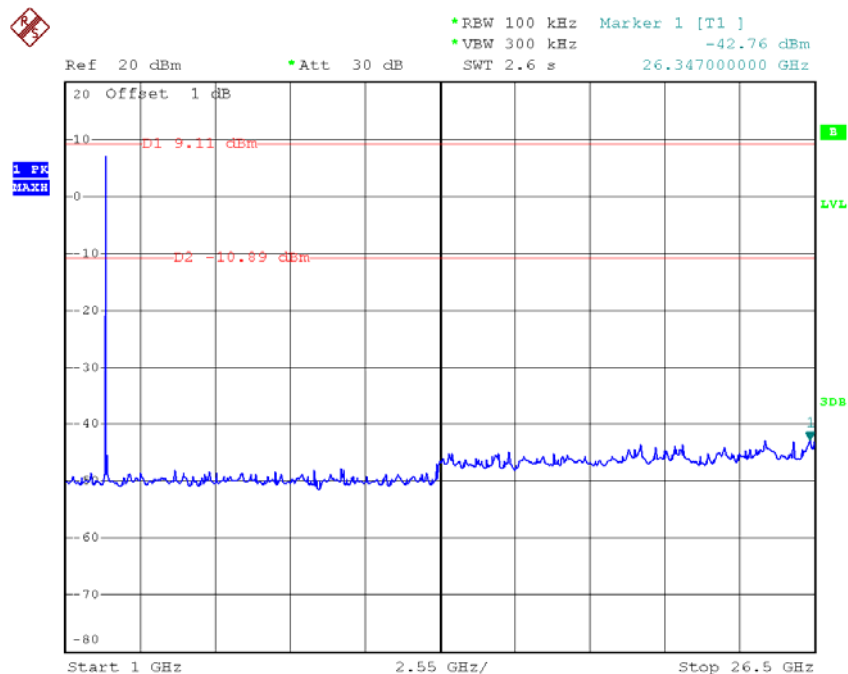
Date: 29.MAY.2014 10:06:10

TX B mode CH01 (30MHz to 1000MHz)



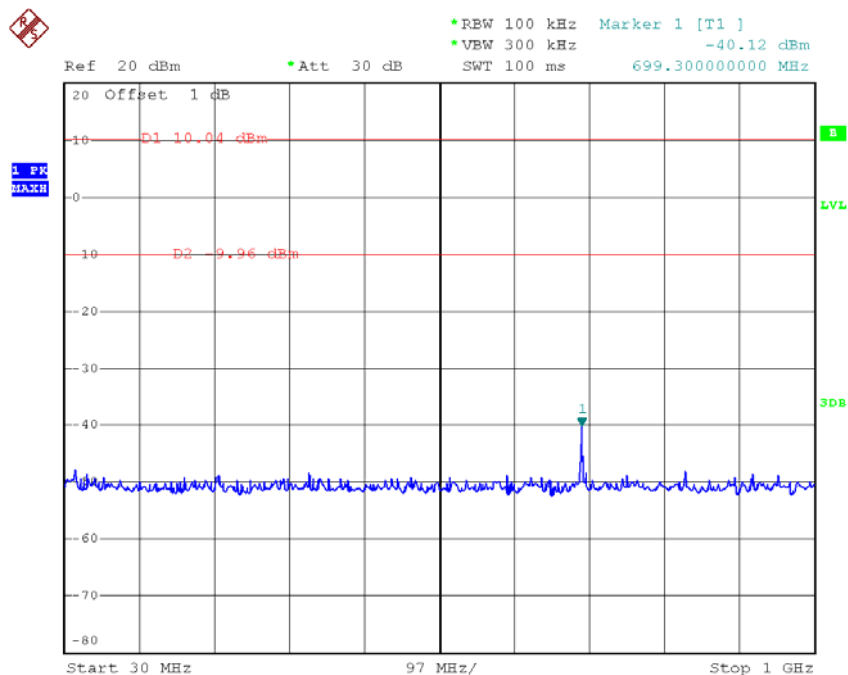
Date: 29.MAY.2014 09:49:38

TX B mode CH01 (1000MHz to 10th Harmonic)



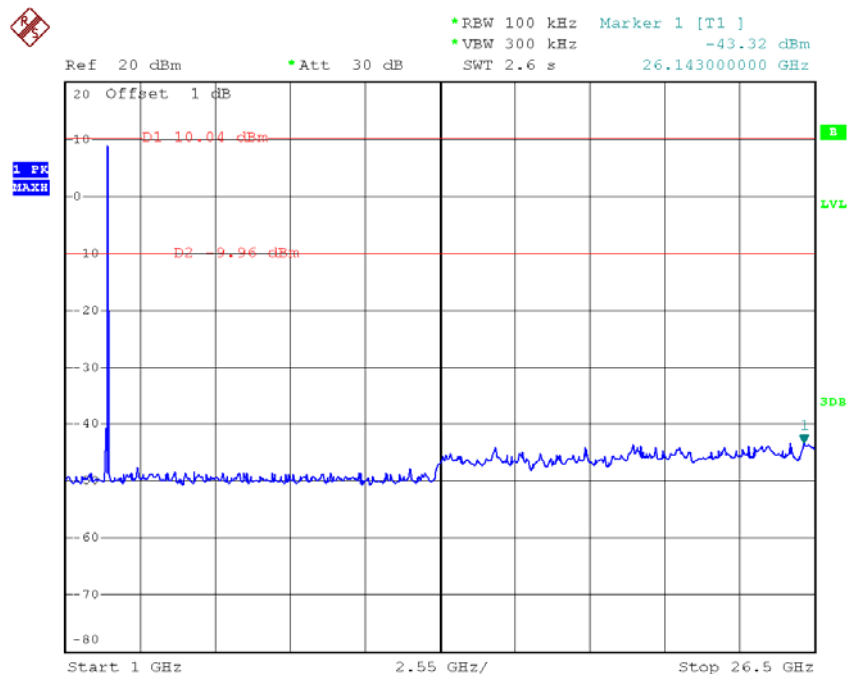
Date: 29.MAY.2014 09:49:59

TX B mode CH06 (30MHz to 1000MHz)



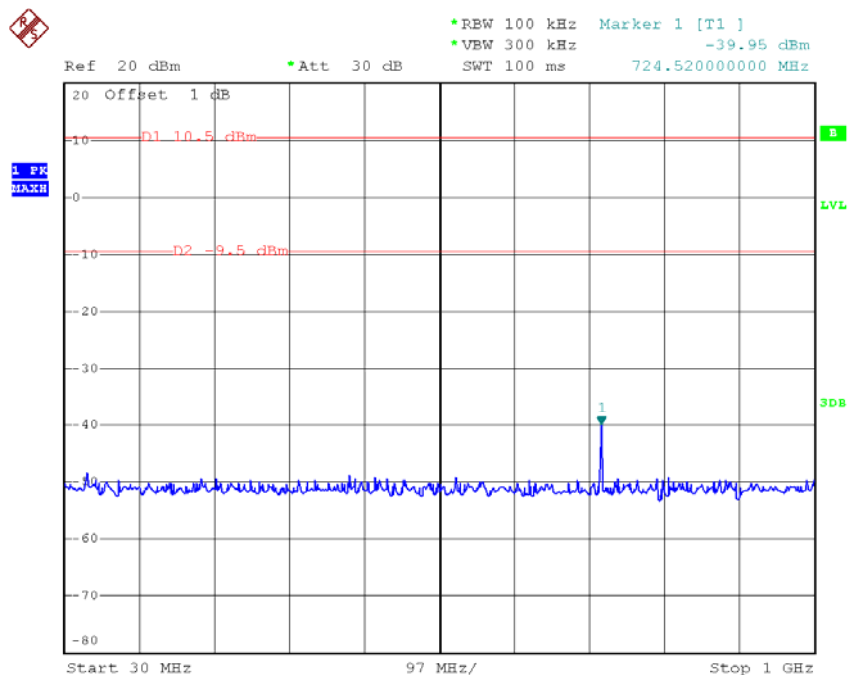
Date: 29.MAY.2014 09:53:57

TX B mode CH06 (1000MHz to 10th Harmonic)



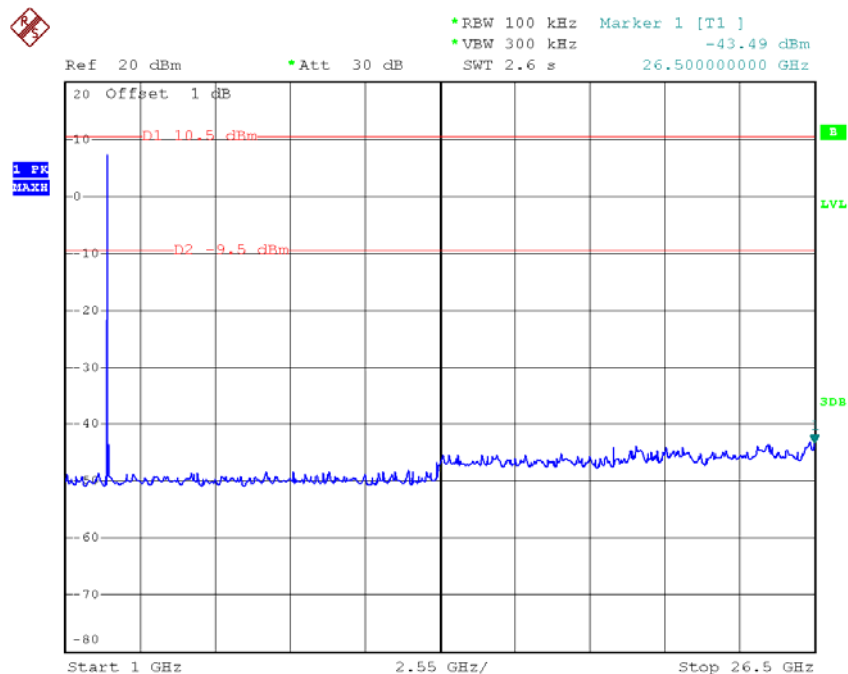
Date: 29.MAY.2014 09:54:24

TX B mode CH11 (30MHz to 1000MHz)



Date: 29.MAY.2014 10:06:20

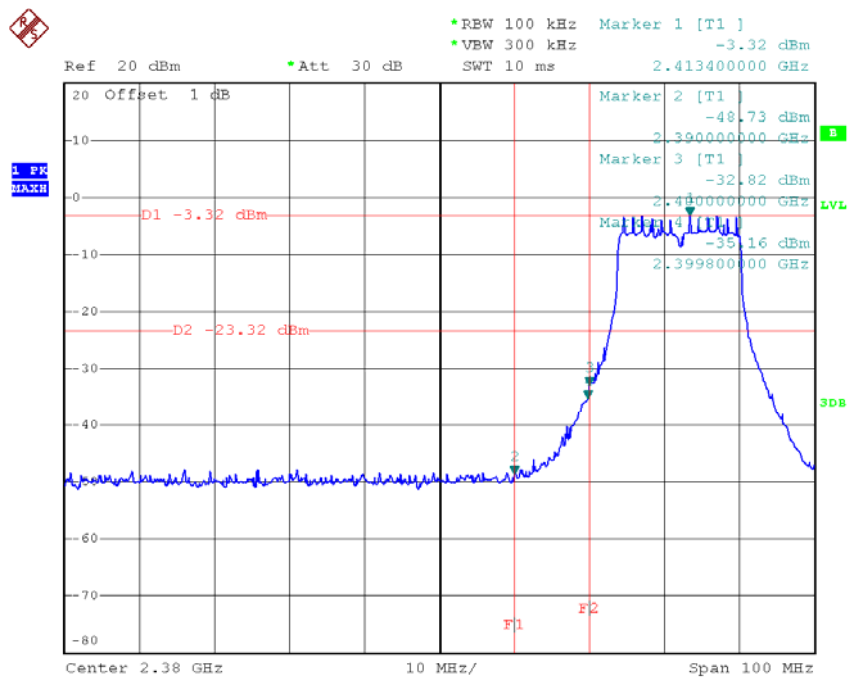
TX B mode CH11 (1000MHz to 10th Harmonic)



Date: 29.MAY.2014 10:06:39

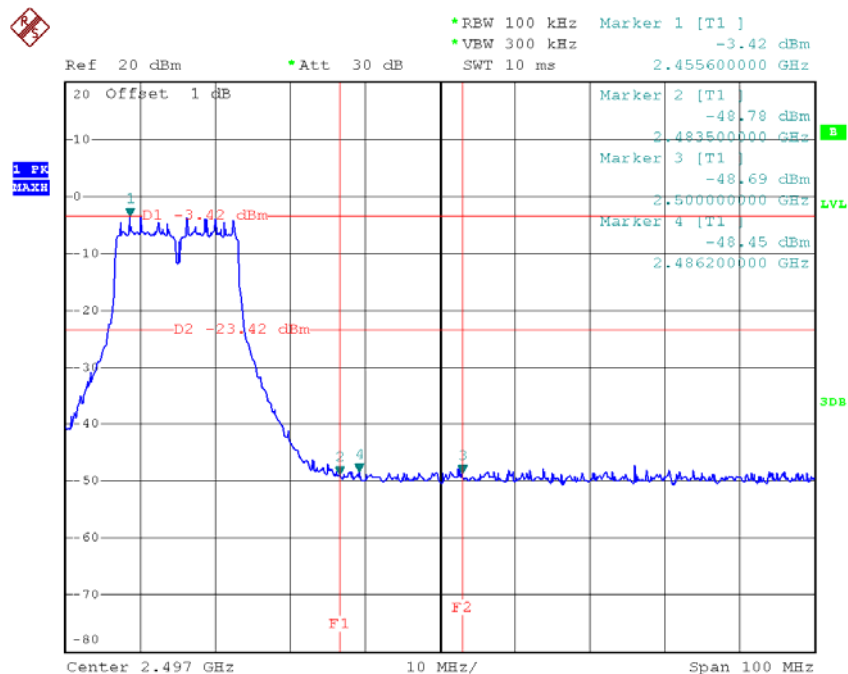
Test Mode :	TX G Mode_ANT A
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TX G mode CH01



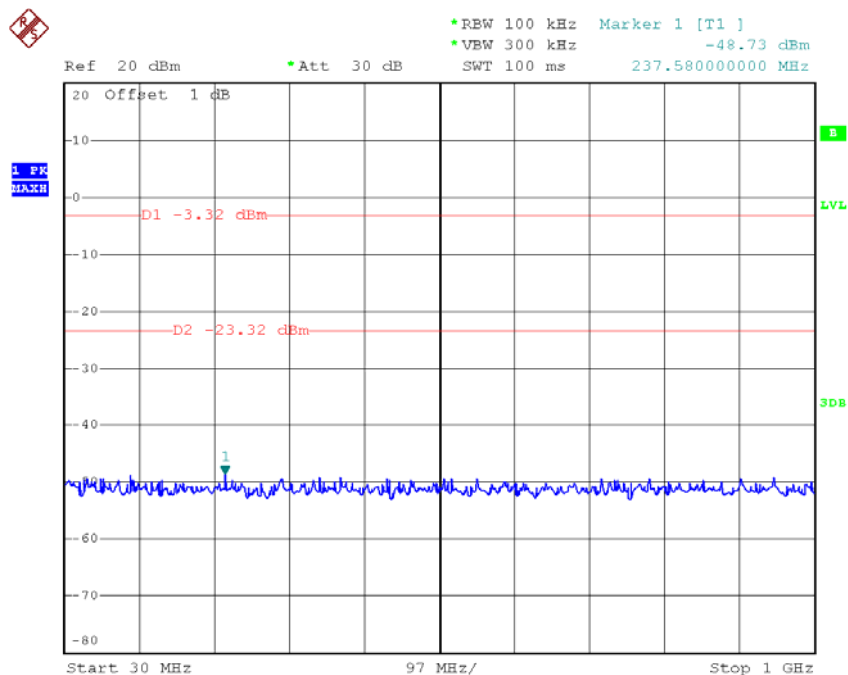
Date: 29.MAY.2014 10:09:59

TX G mode CH11



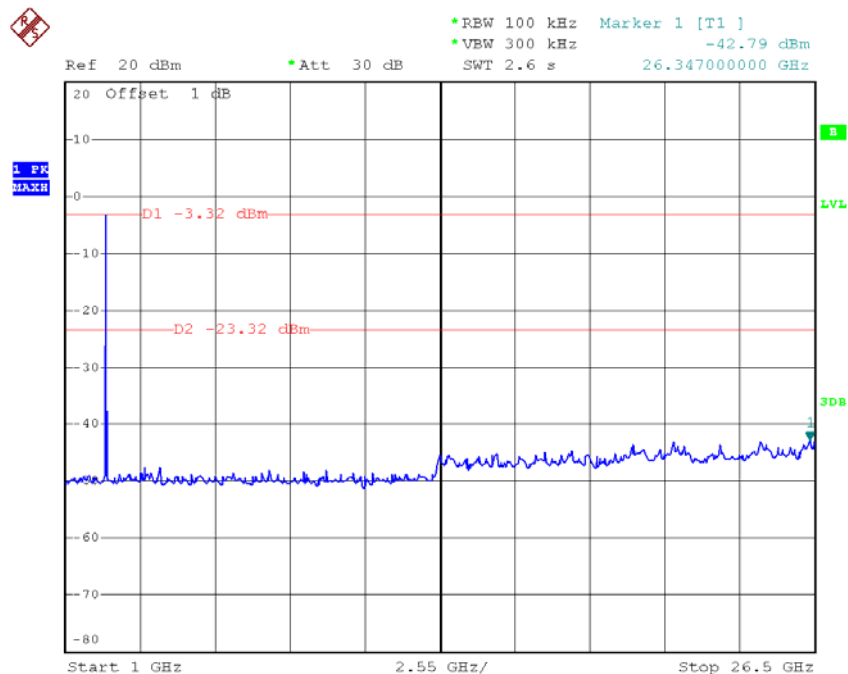
Date: 29.MAY.2014 14:25:02

TX G mode CH01 (30MHz to 1000MHz)



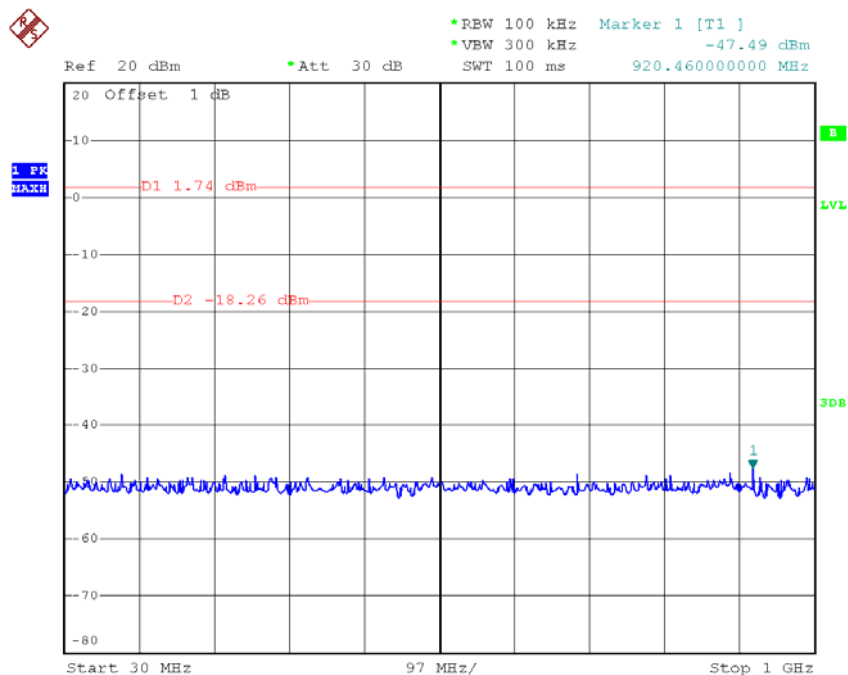
Date: 29.MAY.2014 10:10:09

TX G mode CH01 (1000MHz to 10th Harmonic)



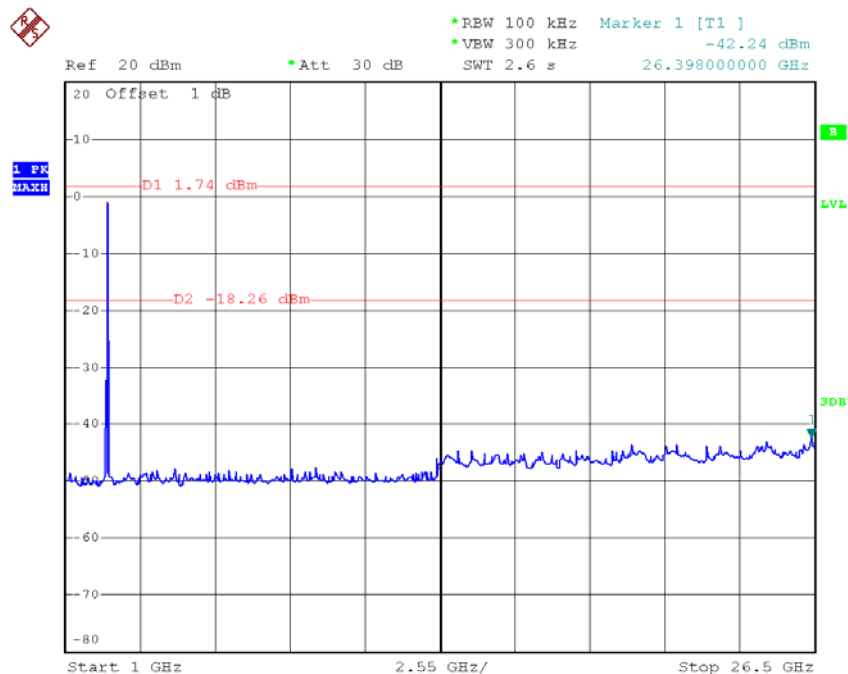
Date: 29.MAY.2014 10:10:32

TX G mode CH06 (30MHz to 1000MHz)



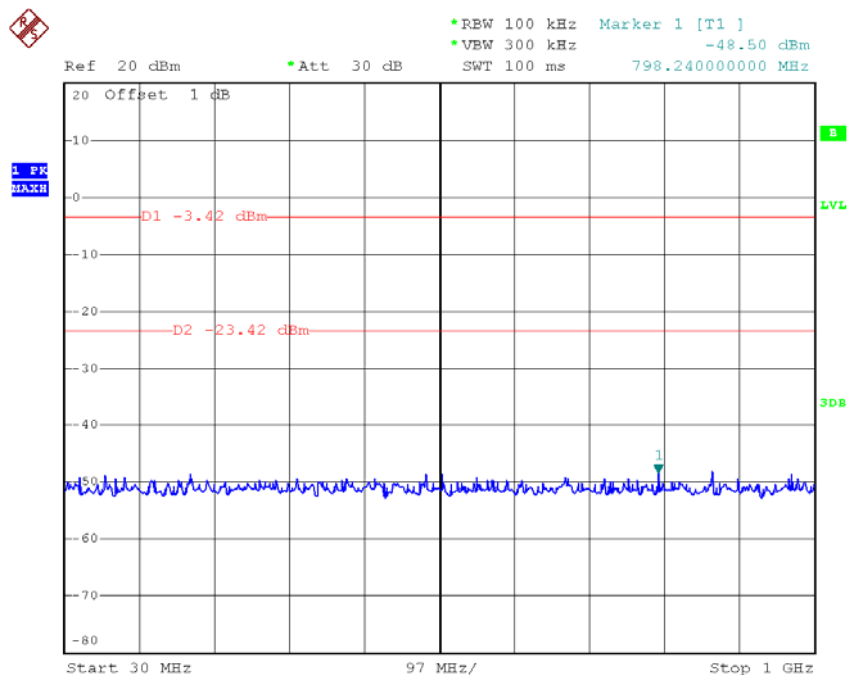
Date: 29.MAY.2014 10:26:50

TX G mode CH06 (1000MHz to 10th Harmonic)



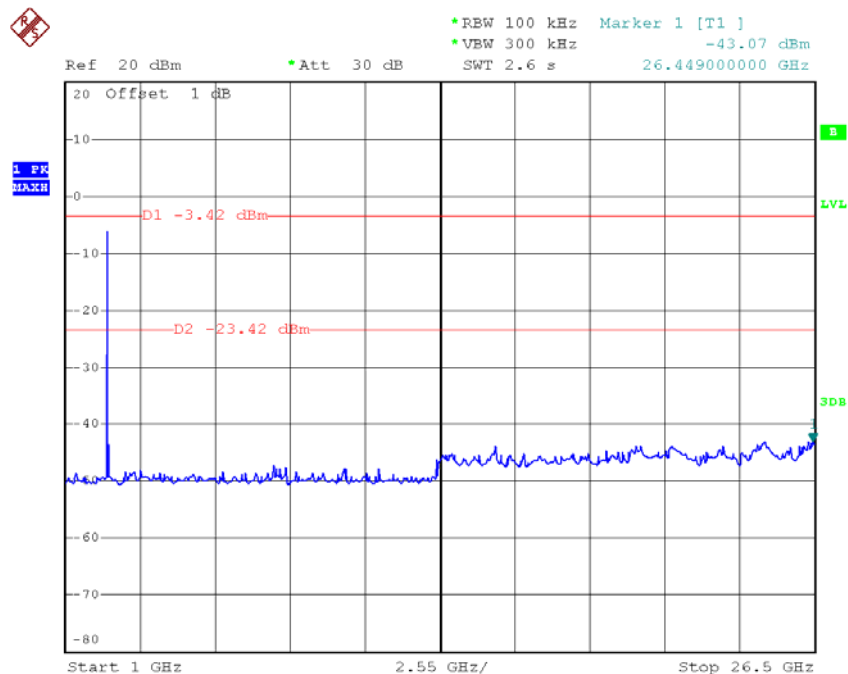
Date: 29.MAY.2014 10:27:16

TX G mode CH11 (30MHz to 1000MHz)



Date: 29.MAY.2014 14:25:20

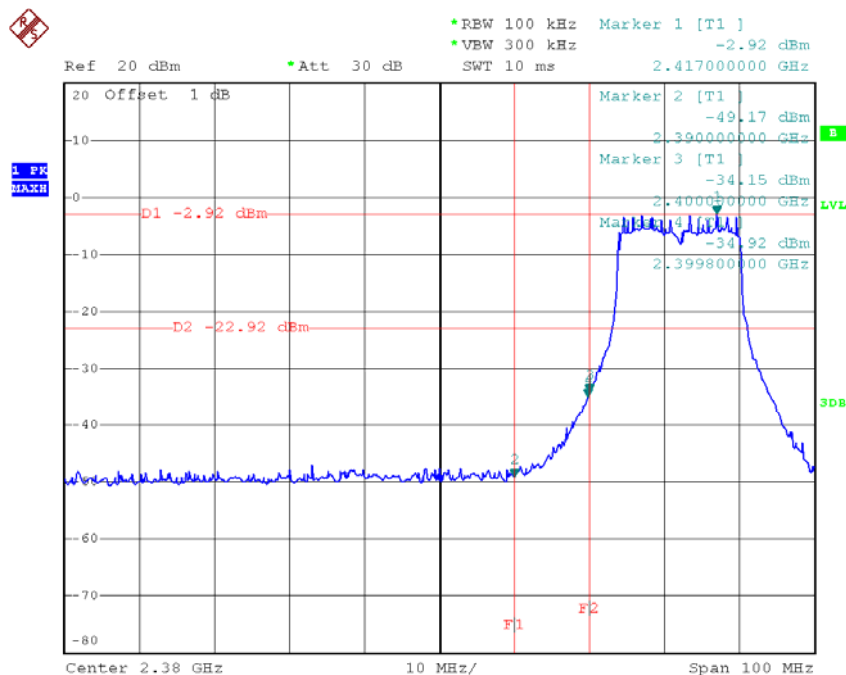
TX G mode CH11 (1000MHz to 10th Harmonic)



Date: 29.MAY.2014 14:25:46

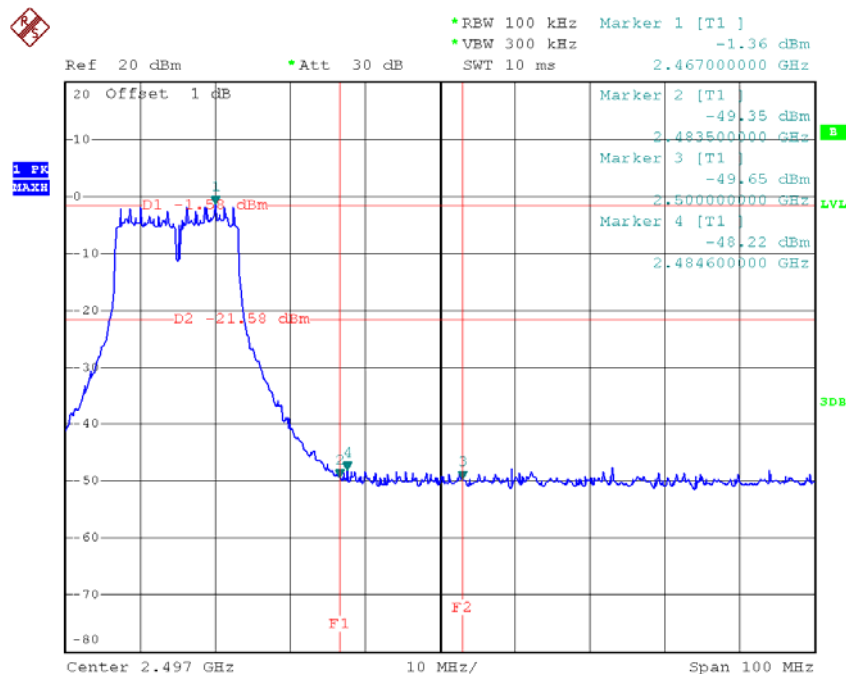
Test Mode :	TX G Mode_ANT B
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TX G mode CH01



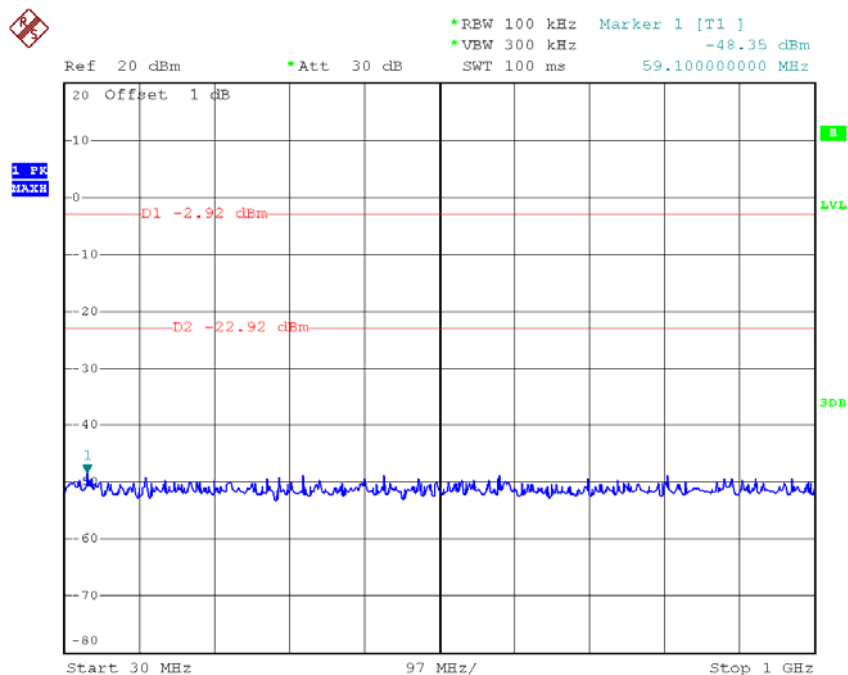
Date: 29.MAY.2014 10:13:30

TX G mode CH11



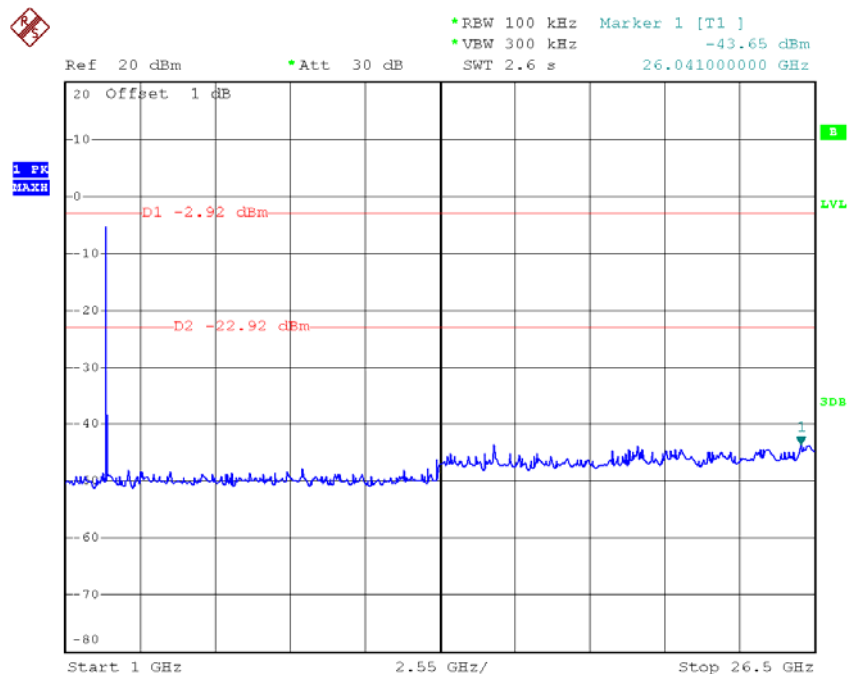
Date: 29.MAY.2014 14:26:39

TX G mode CH01 (30MHz to 1000MHz)



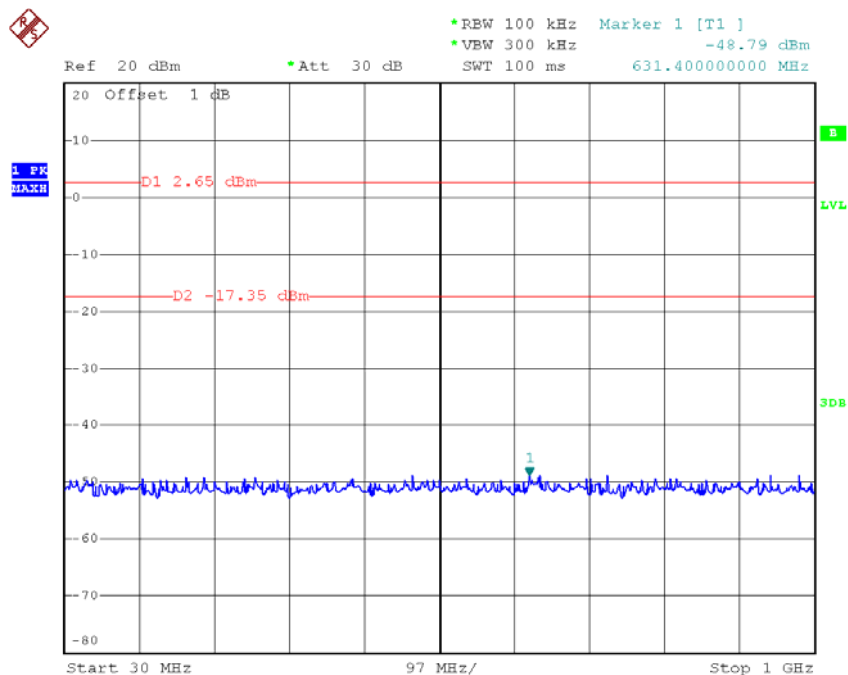
Date: 29.MAY.2014 10:13:41

TX G mode CH01 (1000MHz to 10th Harmonic)



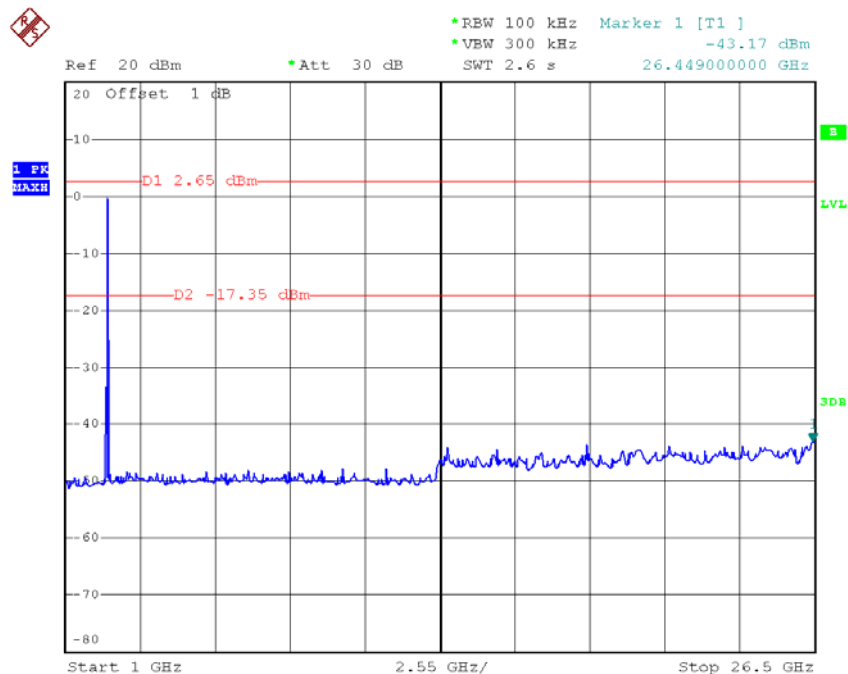
Date: 29.MAY.2014 10:13:58

TX G mode CH06 (30MHz to 1000MHz)



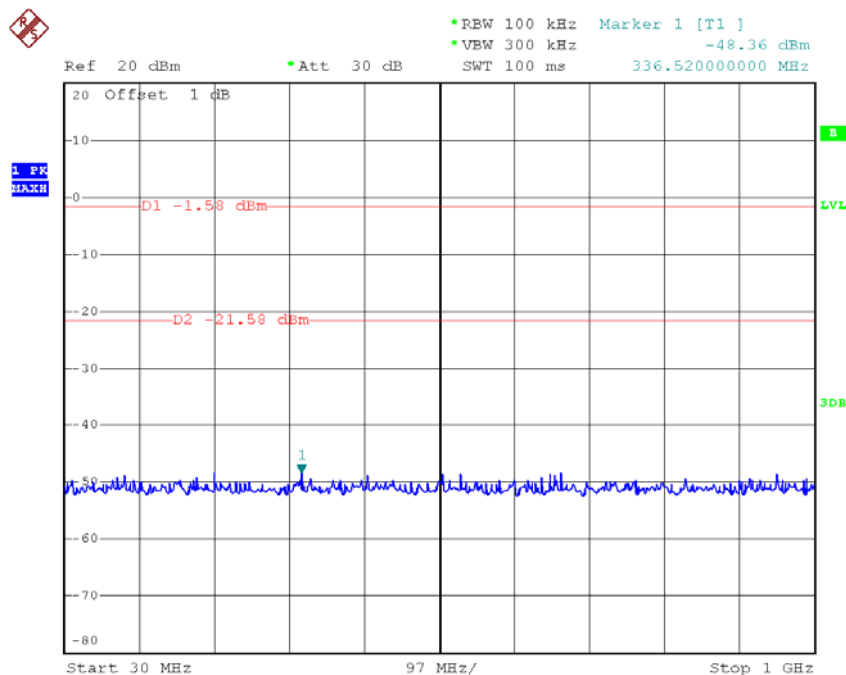
Date: 29.MAY.2014 10:16:41

TX G mode CH06 (1000MHz to 10th Harmonic)



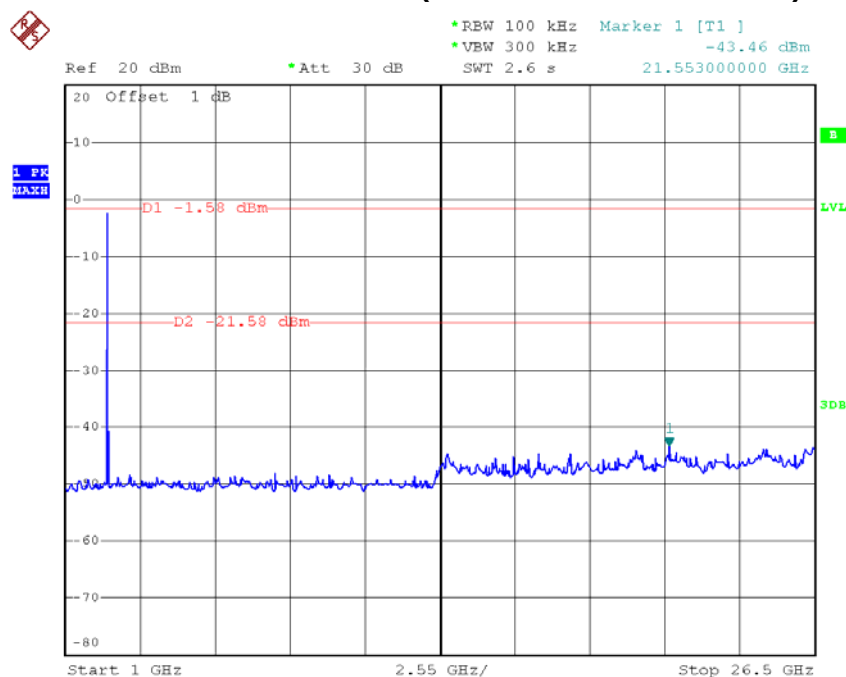
Date: 29.MAY.2014 10:17:03

TX G mode CH11 (30MHz to 1000MHz)



Date: 29.MAY.2014 14:26:51

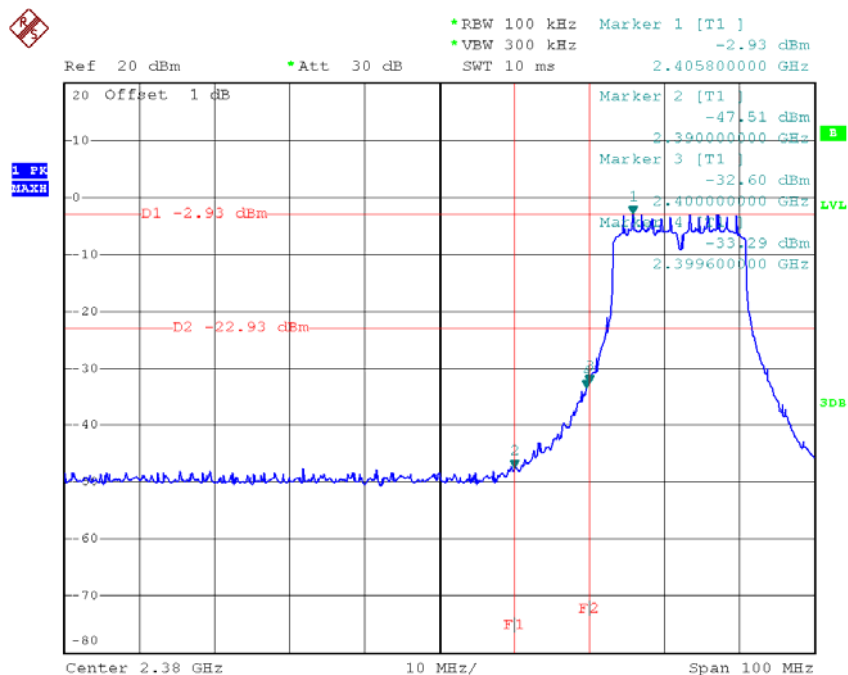
TX G mode CH11 (1000MHz to 10th Harmonic)



Date: 29.MAY.2014 14:27:11

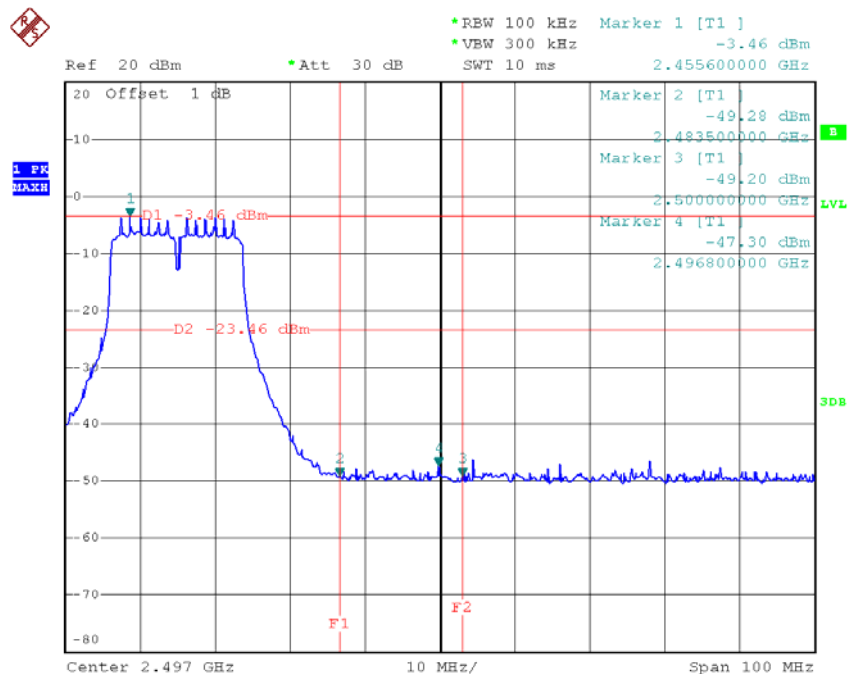
Test Mode :	TX N-20M Mode_ANT A
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TX HT20 mode CH01



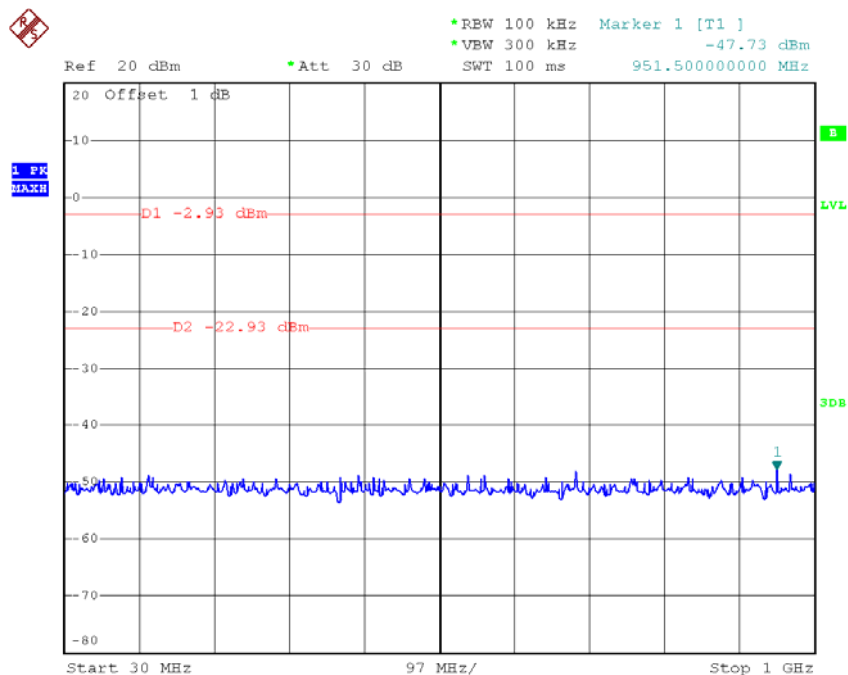
Date: 29.MAY.2014 14:32:05

TX HT20 mode CH11



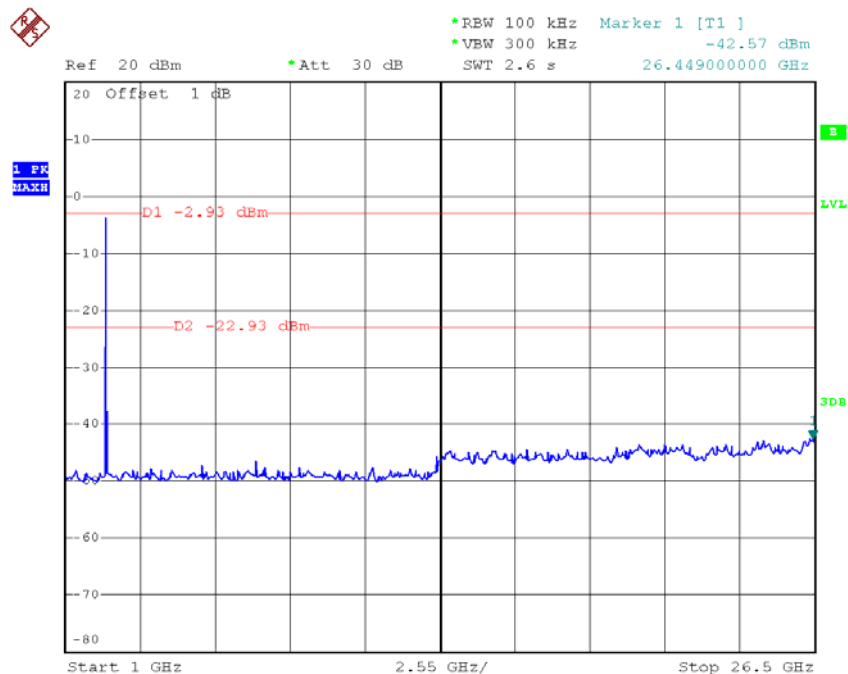
Date: 29.MAY.2014 14:40:47

TX HT20 mode CH01 (30MHz to 1000MHz)



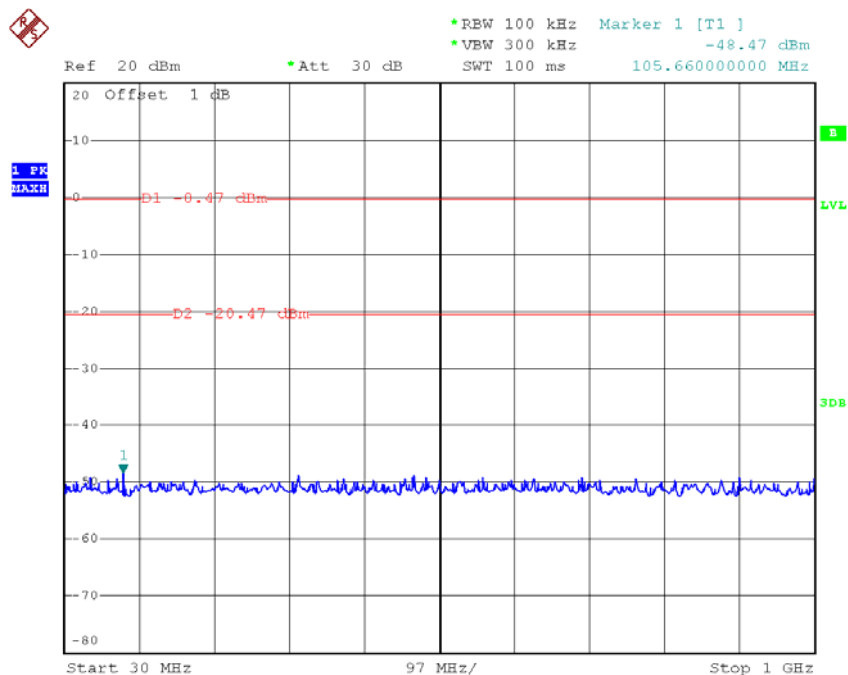
Date: 29.MAY.2014 14:32:17

TX HT20 mode CH01 (1000MHz to 10th Harmonic)



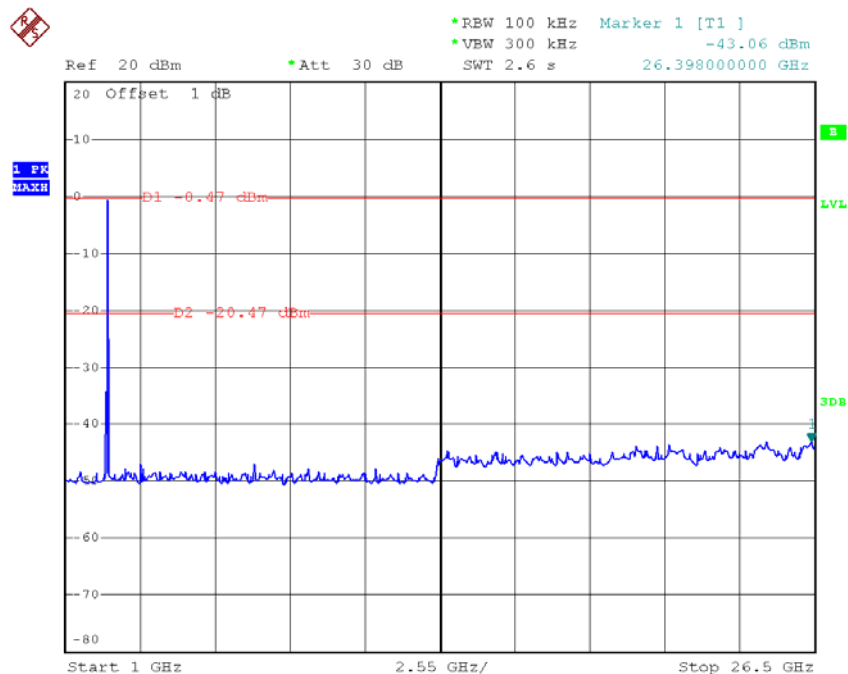
Date: 29.MAY.2014 14:33:23

TX HT20 mode CH06 (30MHz to 1000MHz)



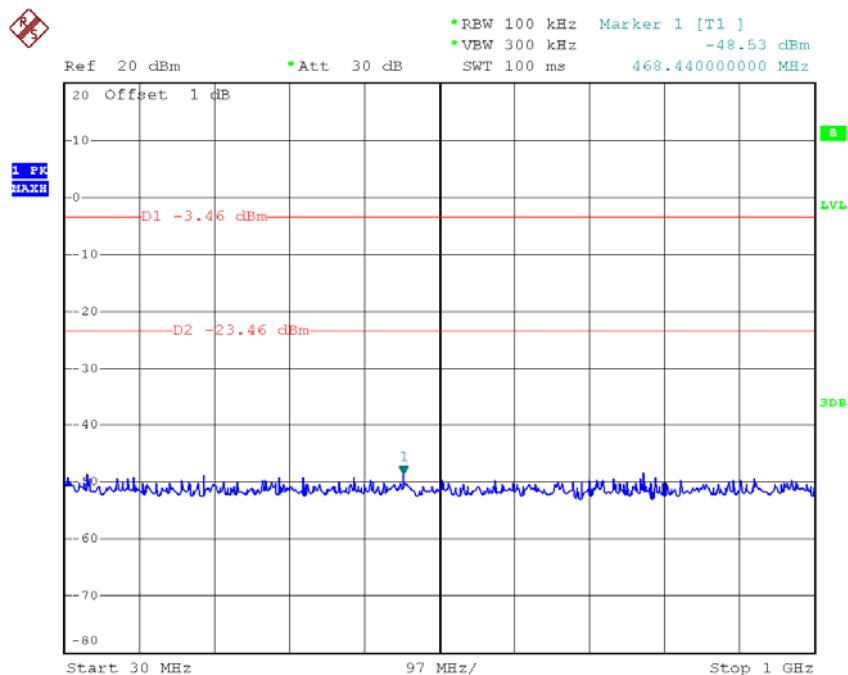
Date: 29.MAY.2014 14:35:29

TX HT20 mode CH06 (1000MHz to 10th Harmonic)



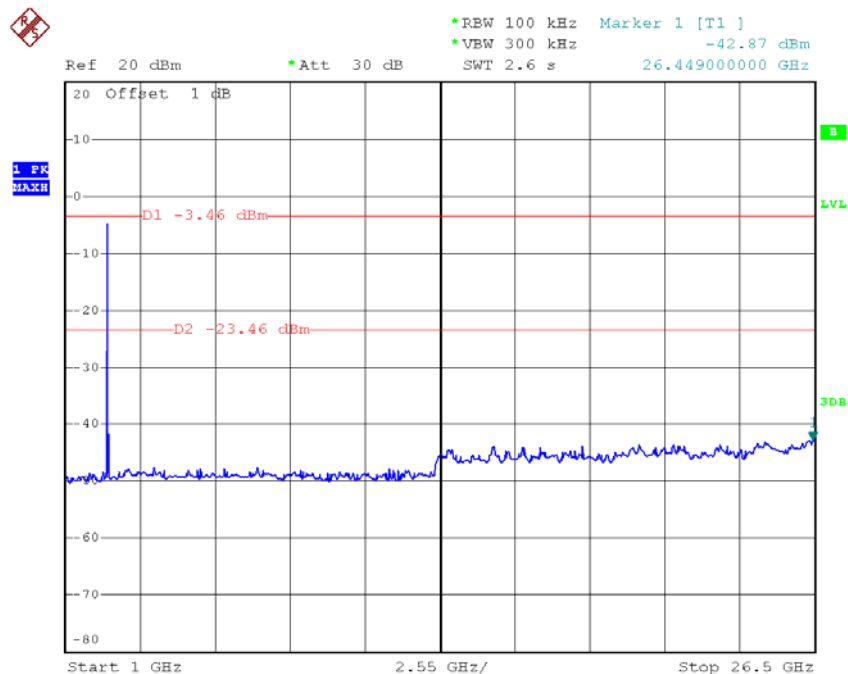
Date: 29.MAY.2014 14:35:58

TX HT20 mode CH11 (30MHz to 1000MHz)



Date: 29.MAY.2014 14:40:58

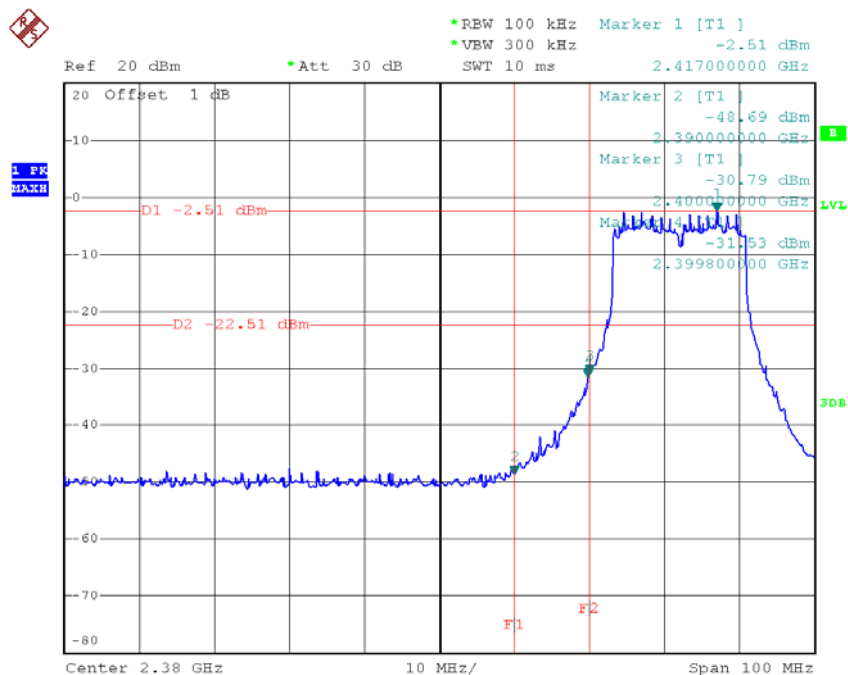
TX HT20 mode CH11 (1000MHz to 10th Harmonic)



Date: 29.MAY.2014 14:42:10

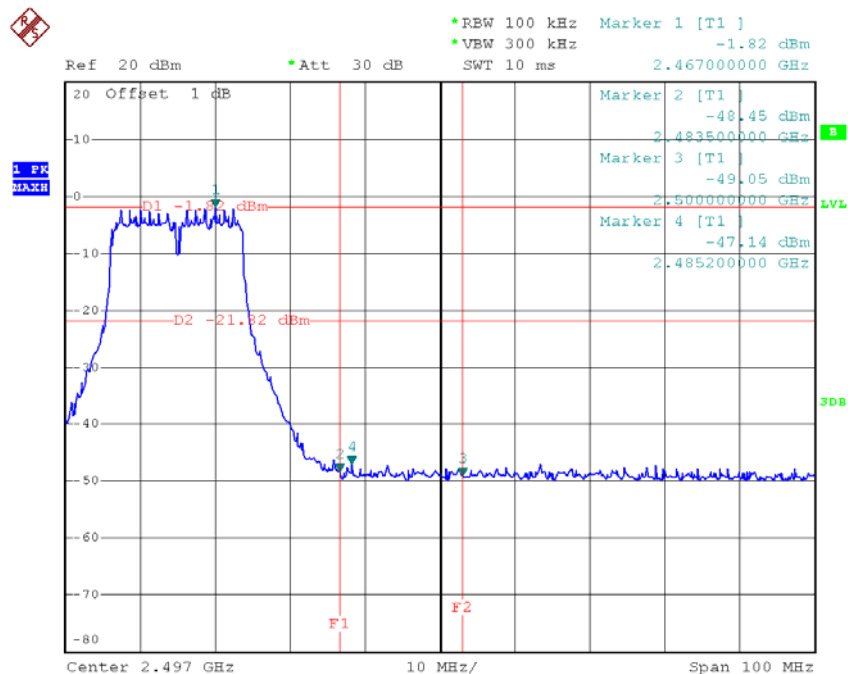
Test Mode :	TX N-20M Mode_ANT B
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TX HT20 mode CH01



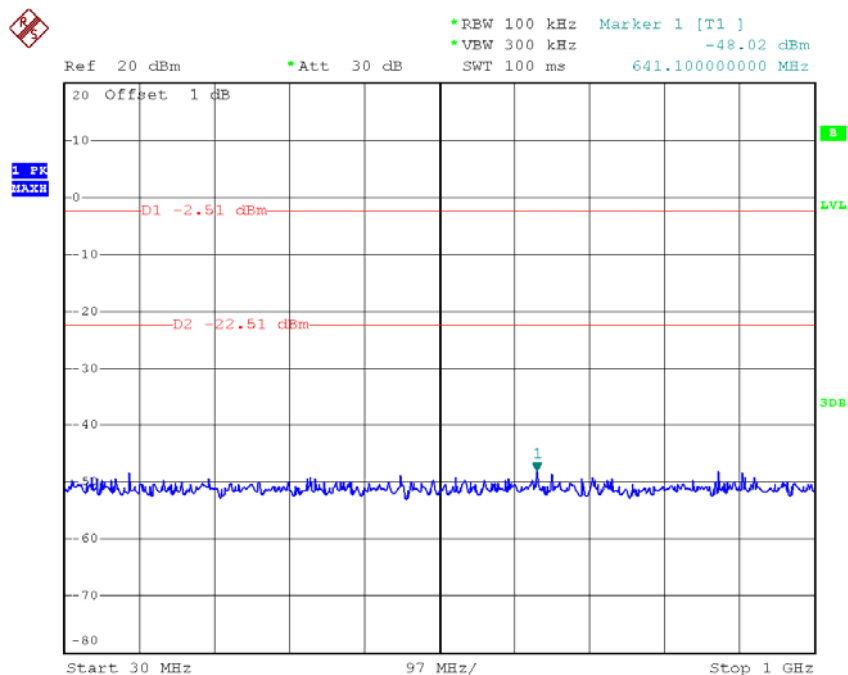
Date: 29.MAY.2014 14:29:07

TX HT20 mode CH11



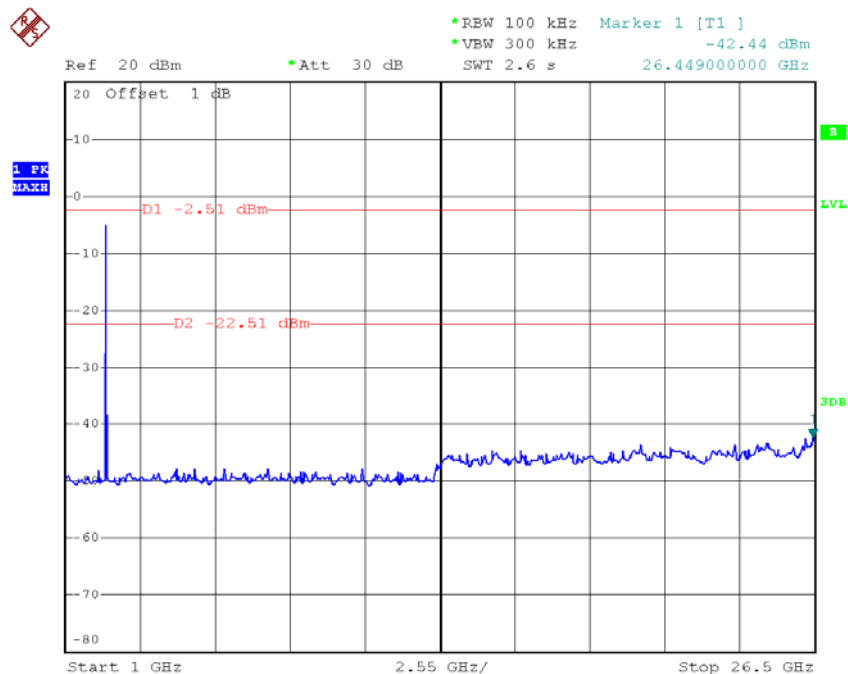
Date: 29.MAY.2014 14:39:00

TX HT20 mode CH01 (30MHz to 1000MHz)



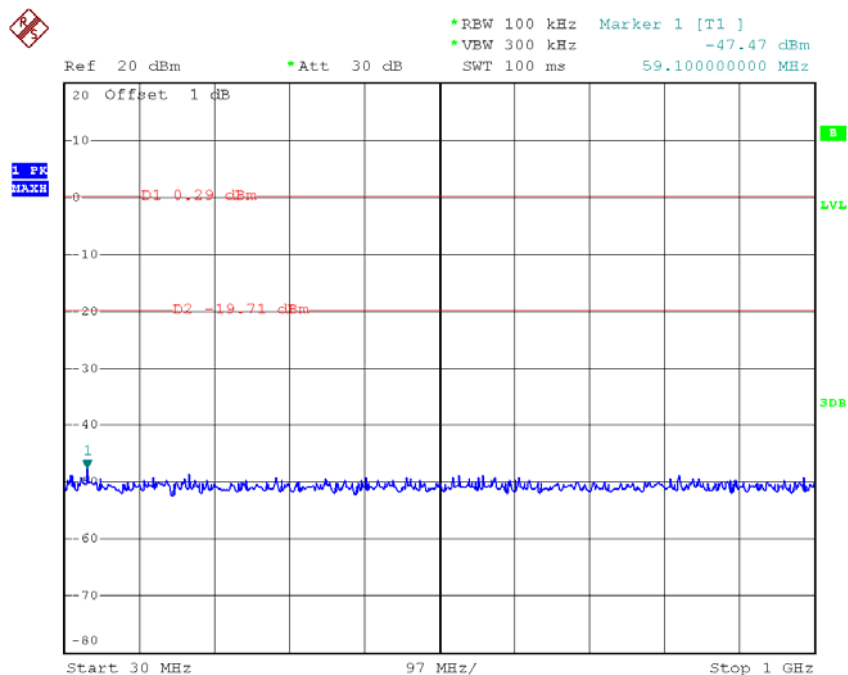
Date: 29.MAY.2014 14:29:21

TX HT20 mode CH01 (1000MHz to 10th Harmonic)



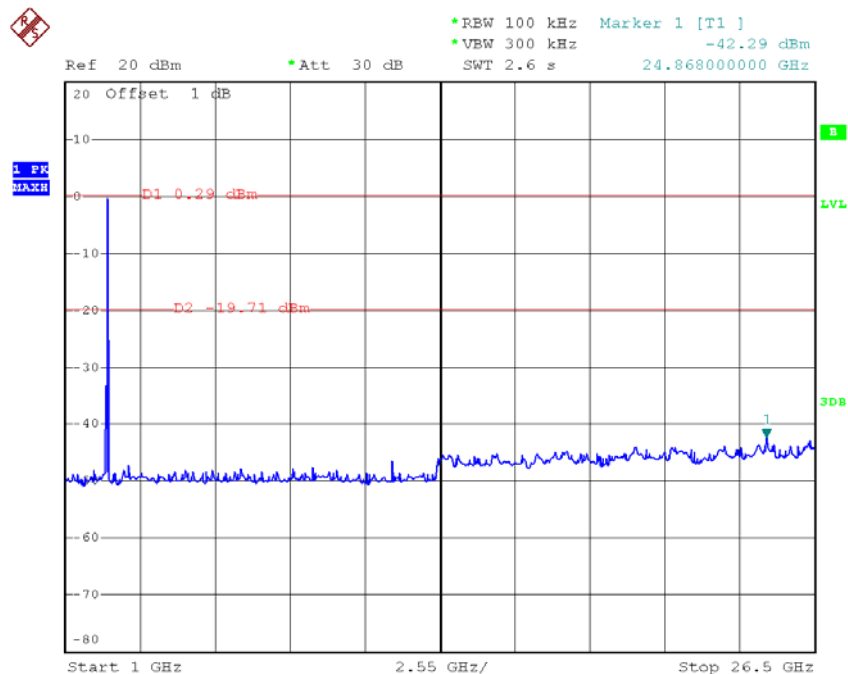
Date: 29.MAY.2014 14:29:48

TX HT20 mode CH06 (30MHz to 1000MHz)



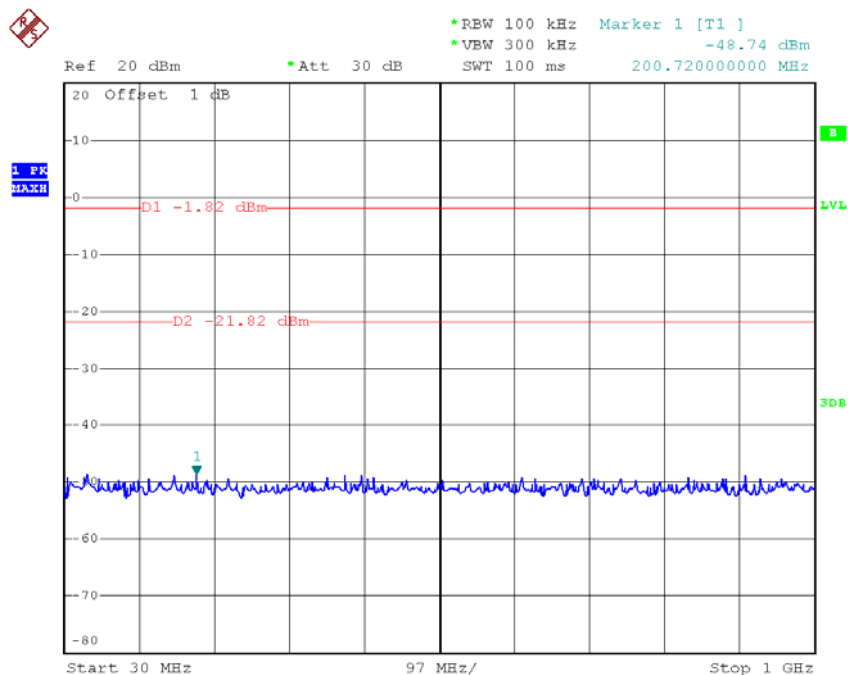
Date: 29.MAY.2014 14:36:54

TX HT20 mode CH06 (1000MHz to 10th Harmonic)



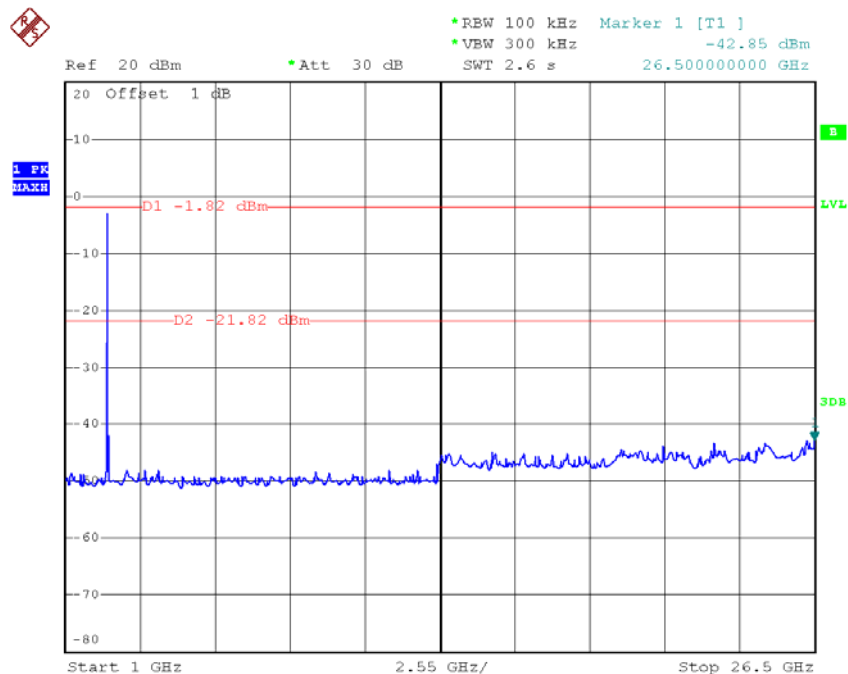
Date: 29.MAY.2014 14:37:20

TX HT20 mode CH11 (30MHz to 1000MHz)



Date: 29.MAY.2014 14:39:15

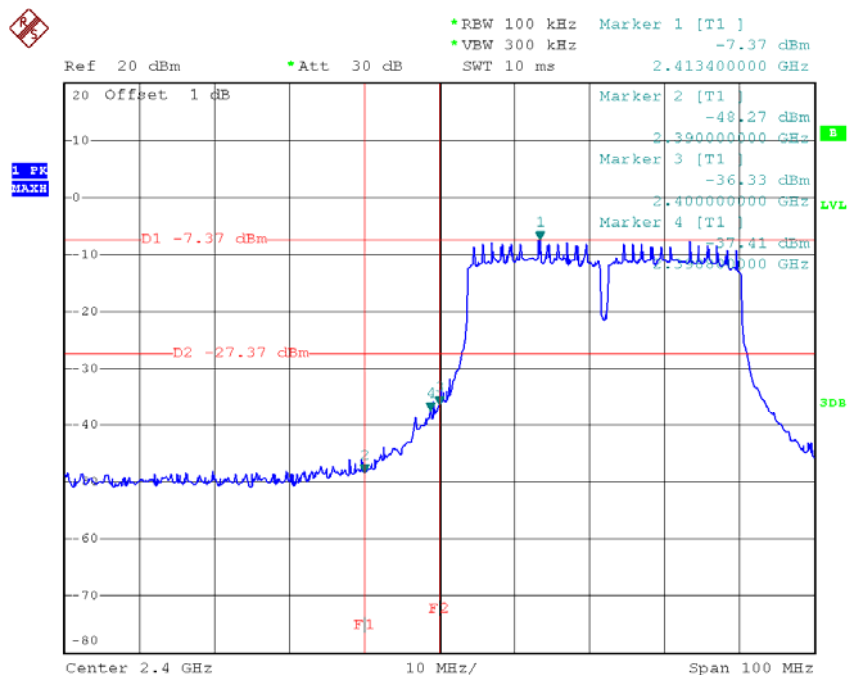
TX HT20 mode CH11 (1000MHz to 10th Harmonic)



Date: 29.MAY.2014 14:39:31

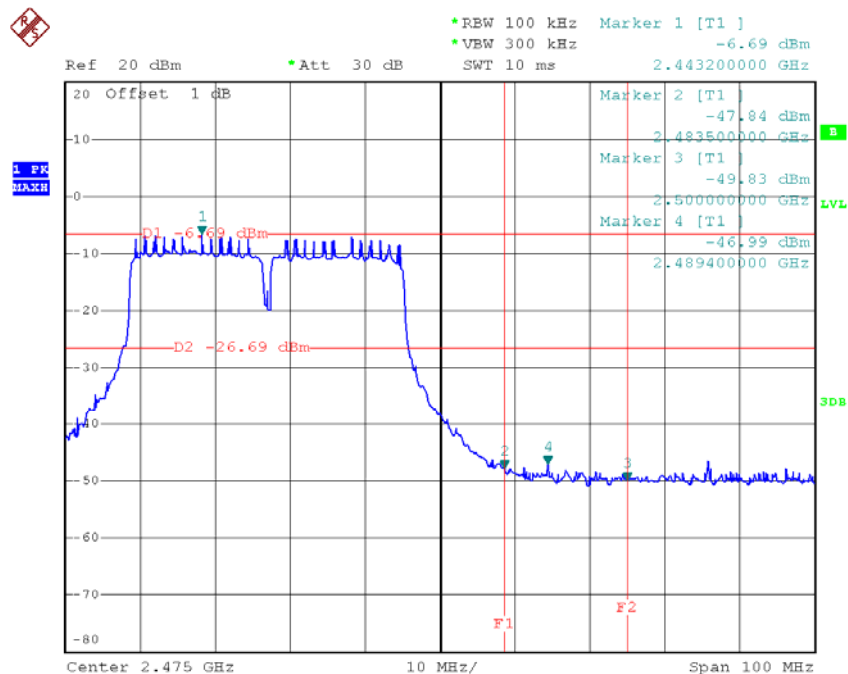
Test Mode :	TX N-40M Mode_ANT A
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TX HT40 mode CH03



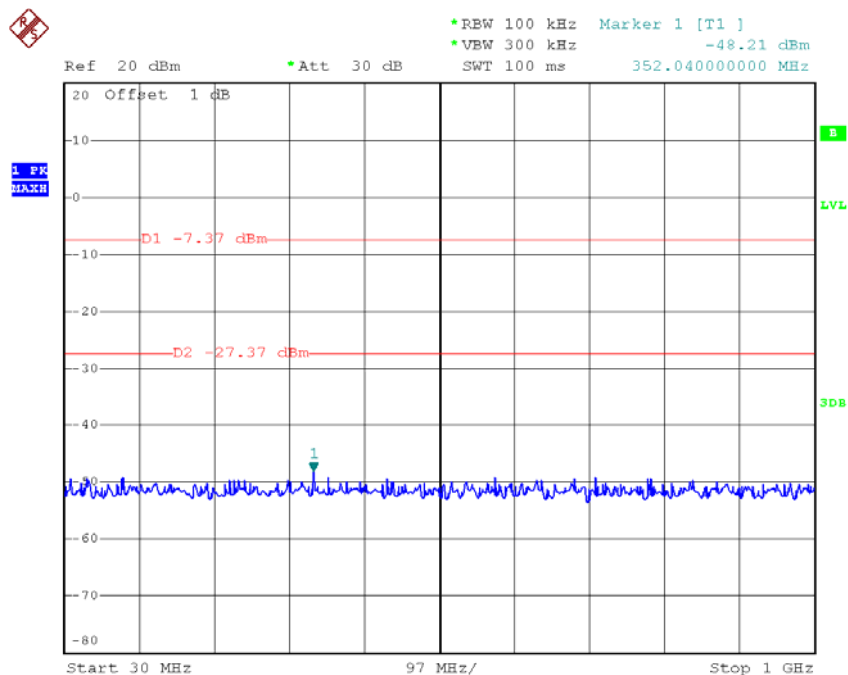
Date: 29.MAY.2014 14:44:38

TX HT40 mode CH09



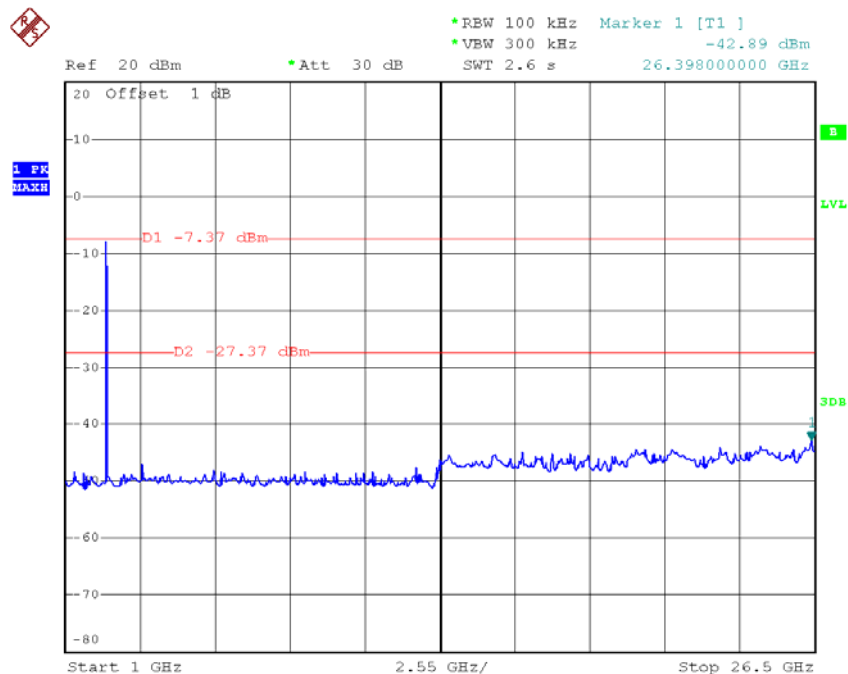
Date: 29.MAY.2014 15:02:31

TX HT40 mode CH03 (30MHz to 1000MHz)



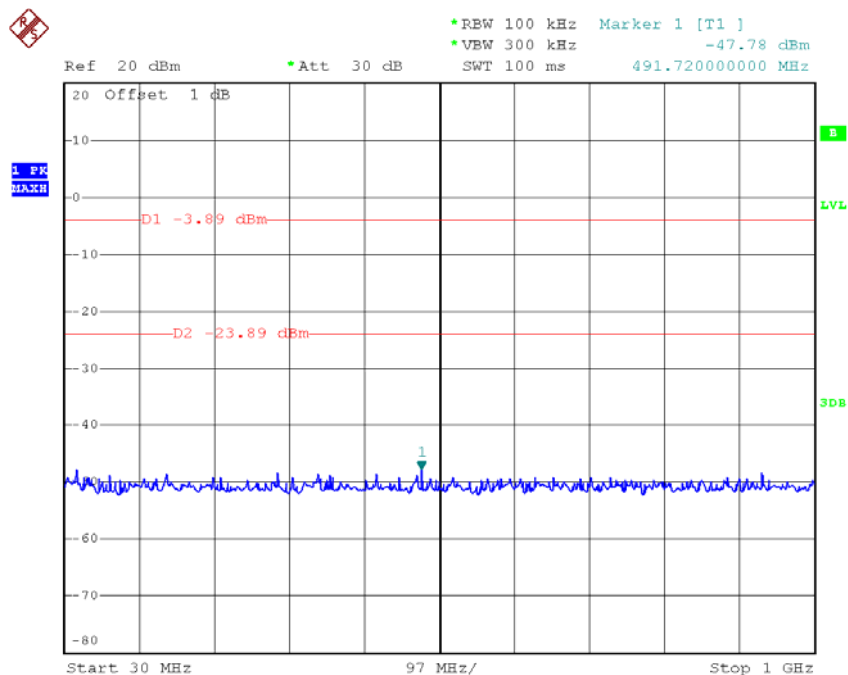
Date: 29.MAY.2014 14:44:47

TX HT40 mode CH03 (1000MHz to 10th Harmonic)



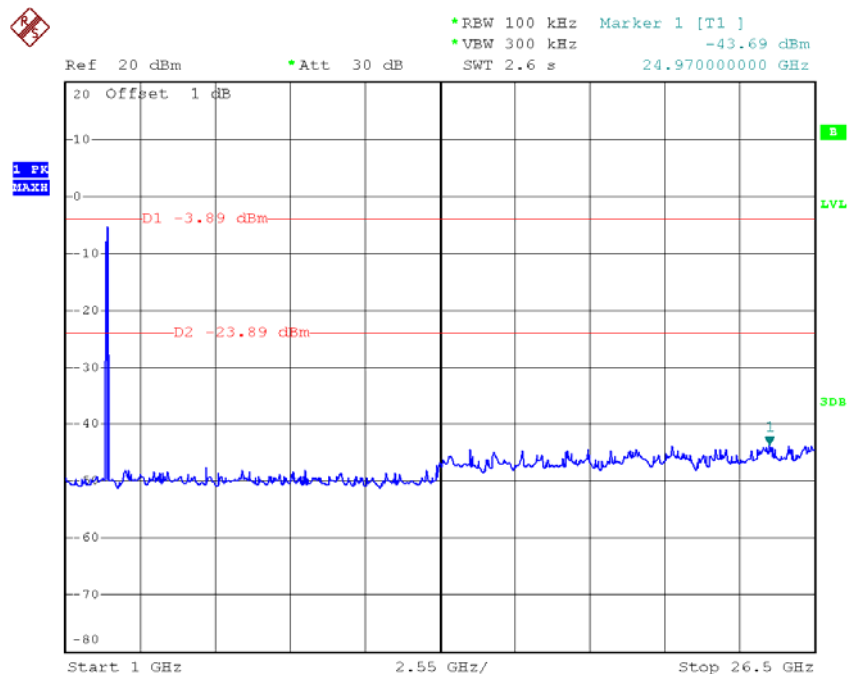
Date: 29.MAY.2014 14:45:03

TX HT40 mode CH06 (30MHz to 1000MHz)



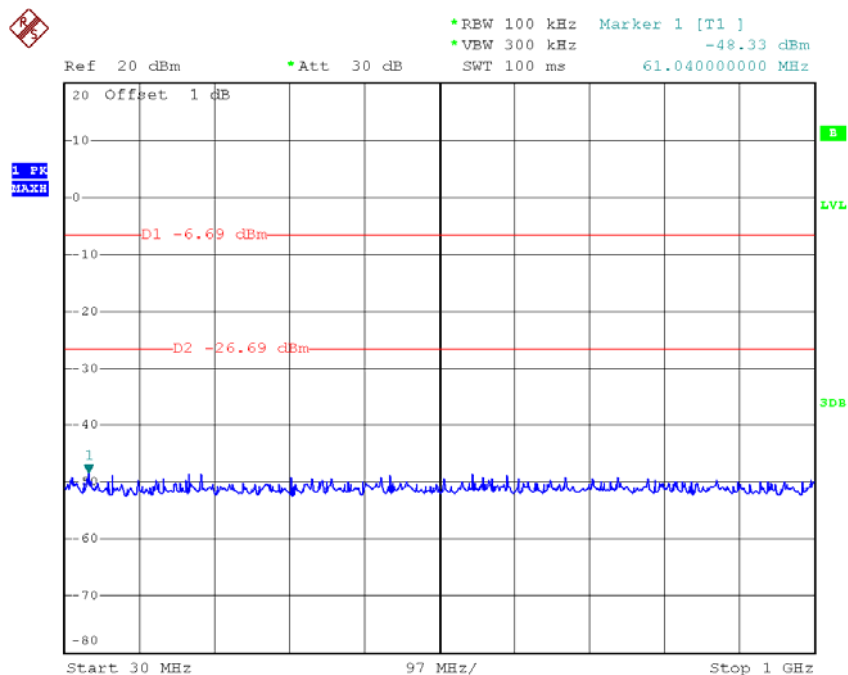
Date: 29.MAY.2014 14:55:01

TX HT40 mode CH06 (1000MHz to 10th Harmonic)



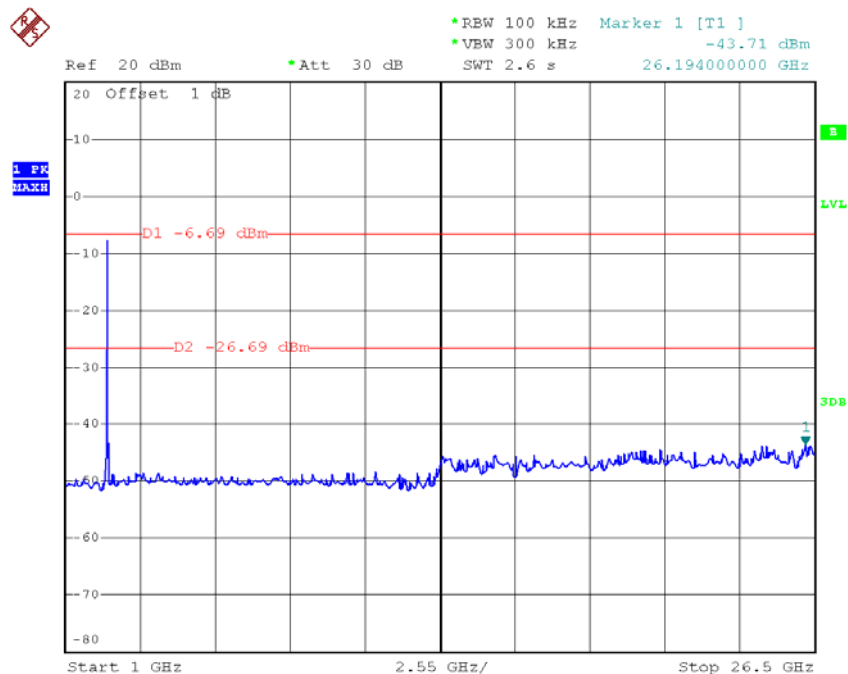
Date: 29.MAY.2014 14:55:17

TX HT40 mode CH09 (30MHz to 1000MHz)



Date: 29.MAY.2014 15:02:43

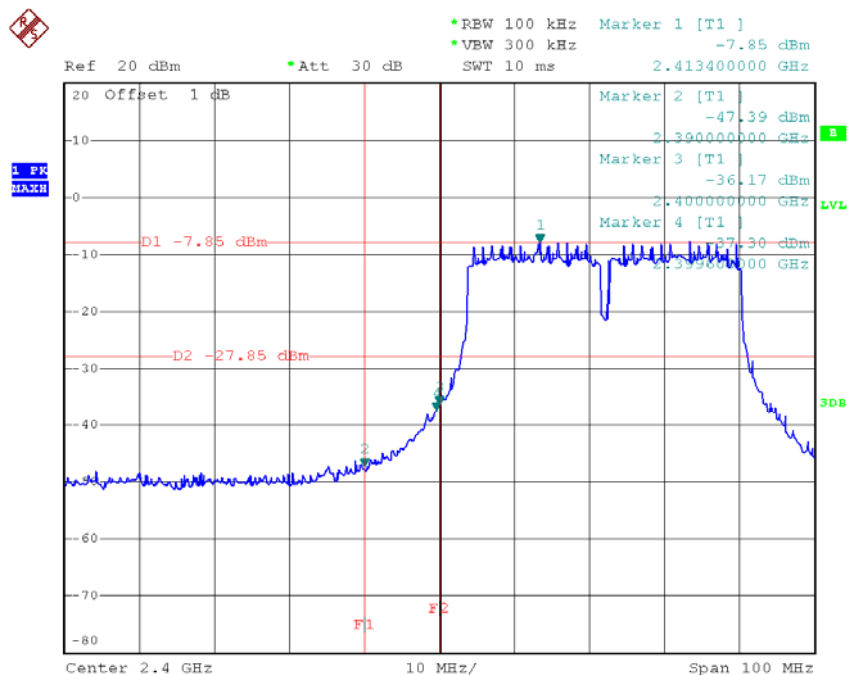
TX HT40 mode CH09 (1000MHz to 10th Harmonic)



Date: 29.MAY.2014 15:02:54

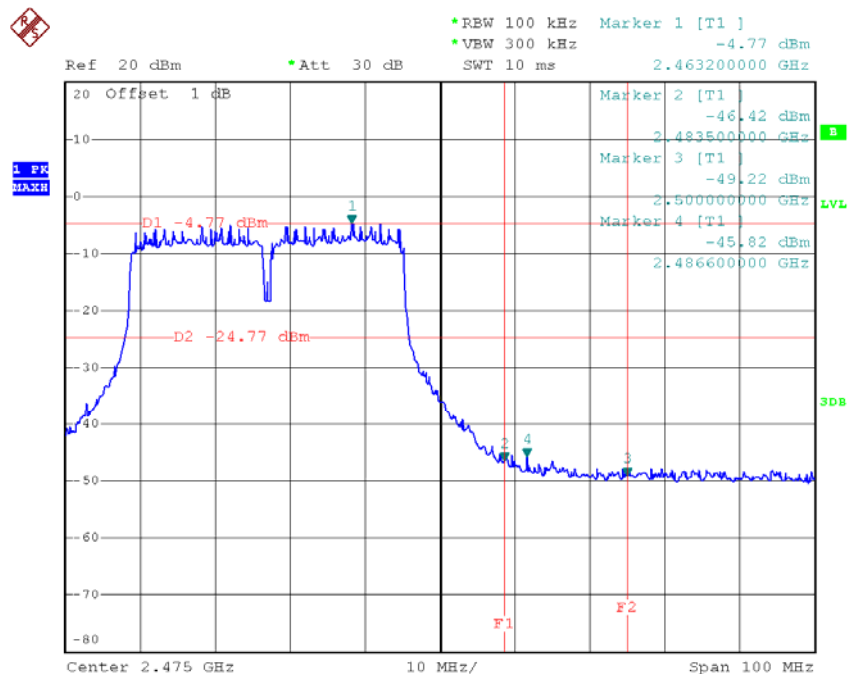
Test Mode :	TX N-40M Mode_ANT B
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TX HT40 mode CH03



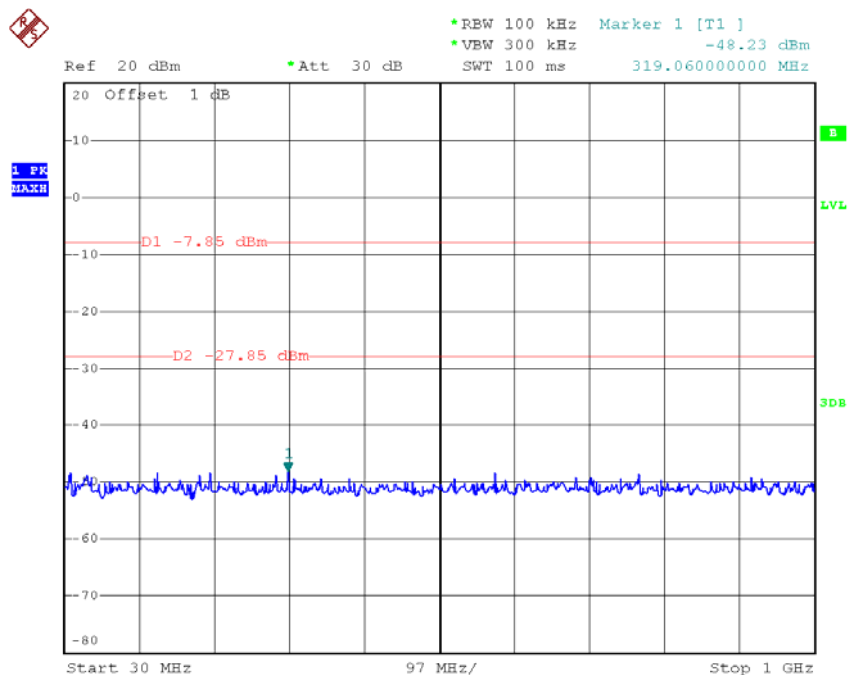
Date: 29.MAY.2014 14:50:50

TX HT40 mode CH09



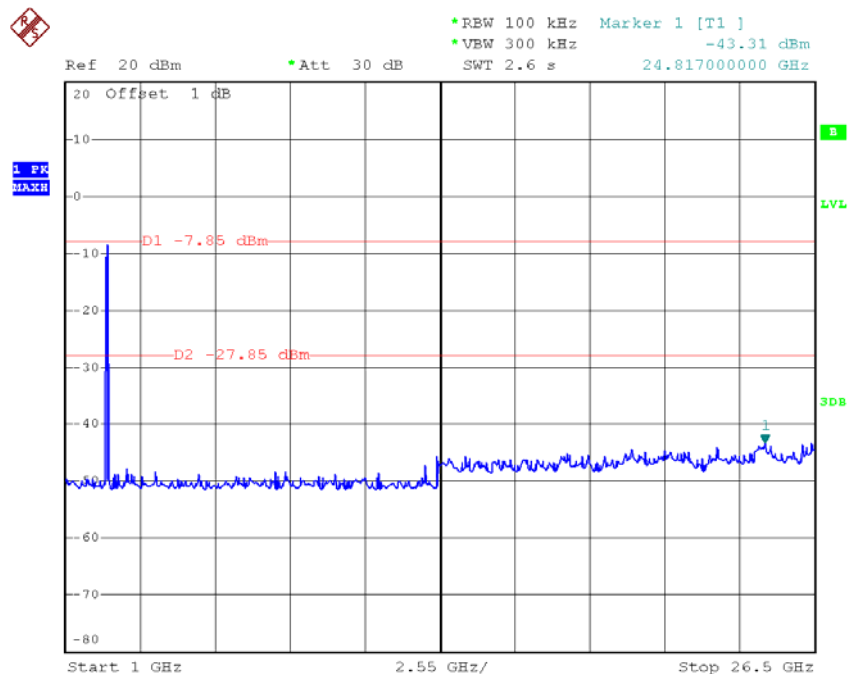
Date: 29.MAY.2014 15:03:54

TX HT40 mode CH03 (30MHz to 1000MHz)



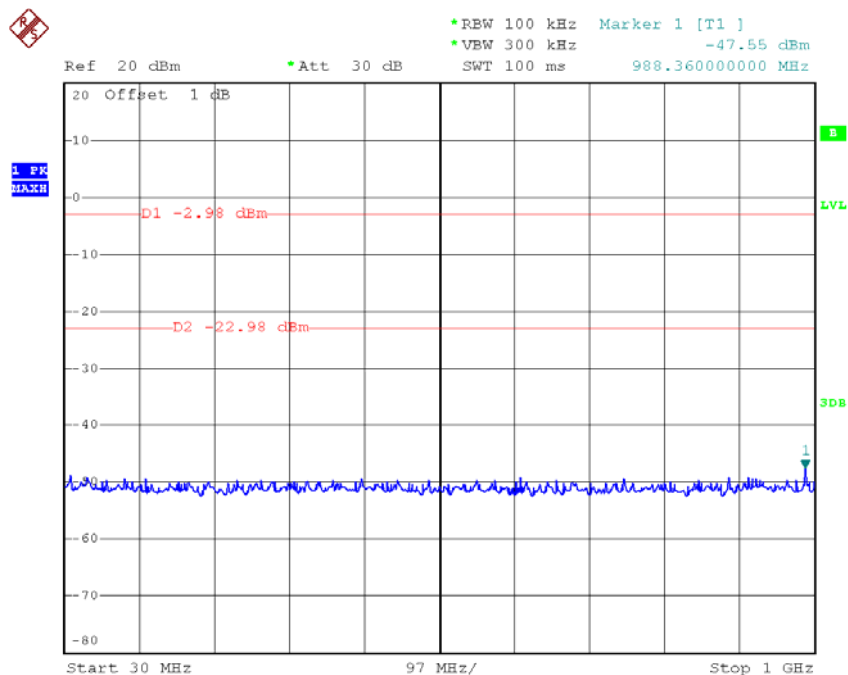
Date: 29.MAY.2014 14:51:01

TX HT40 mode CH03 (1000MHz to 10th Harmonic)



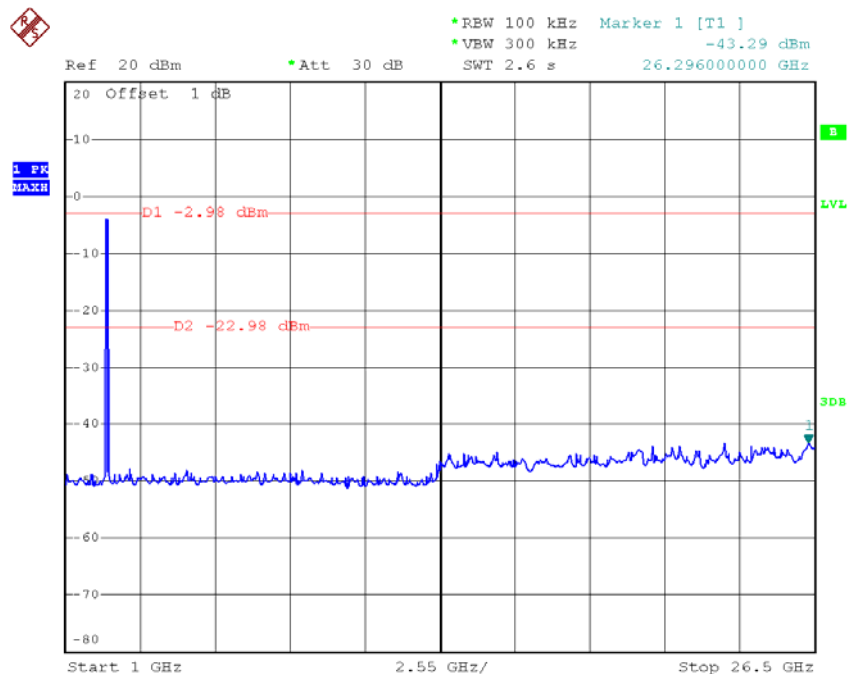
Date: 29.MAY.2014 14:51:15

TX HT40 mode CH06 (30MHz to 1000MHz)



Date: 29.MAY.2014 14:53:12

TX HT40 mode CH06 (1000MHz to 10th Harmonic)



Date: 29.MAY.2014 14:53:27