



**Neutron Engineering Inc.**

# FCC Radio Test Report

## FCC ID: Q78-ZXHNH560N

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

**Project No.** : 1405C045  
**Equipment** : Mini Wireless Router  
**Model Name** : H560N  
**Applicant** : ZTE Corporation  
**Address** : ZTE Plaza,Hi-Teck Park,Nanshan District,  
Shenzhen,Guangdong, P.R. China

**Tested by:** Neutron Engineering Inc. EMC Laboratory  
**Date of Receipt:** May. 08, 2014  
**Date of Test:** May. 08, 2014 ~ Jun. 20, 2014  
**Issued Date:** Jun. 20, 2014

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### **Declaration**

**Neutron** 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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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.



<b>Table of Contents</b>	<b>Page</b>
<b>1 . CERTIFICATION</b>	<b>6</b>
<b>2 . SUMMARY OF TEST RESULTS</b>	<b>7</b>
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
<b>3 . GENERAL INFORMATION</b>	<b>9</b>
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
<b>4 . EMC EMISSION TEST</b>	<b>15</b>
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
<b>5 . BANDWIDTH TEST</b>	<b>21</b>
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
<b>6 . MAXIMUM OUTPUT POWER TEST</b>	<b>22</b>
<b>6.1 APPLIED PROCEDURES / LIMIT</b>	<b>22</b>
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
<b>7 . ANTENNA CONDUCTED SPURIOUS EMISSION</b>	<b>23</b>
<b>7.1 APPLIED PROCEDURES / LIMIT</b>	<b>23</b>
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
<b>8 . POWER SPECTRAL DENSITY TEST</b>	<b>24</b>
<b>8.1 APPLIED PROCEDURES / LIMIT</b>	<b>24</b>
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
<b>9 . MEASUREMENT INSTRUMENTS LIST</b>	<b>25</b>
<b>10 . EUT TEST PHOTO</b>	<b>27</b>
<b>ATTACHMENT A - CONDUCTED EMISSION</b>	<b>31</b>
<b>ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)</b>	<b>34</b>
<b>ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)</b>	<b>36</b>
<b>ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)</b>	<b>43</b>
<b>ATTACHMENT E - BANDWIDTH</b>	<b>92</b>
<b>ATTACHMENT F - MAXIMUM OUTPUT POWER</b>	<b>105</b>
<b>ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION</b>	<b>109</b>
<b>ATTACHMENT H - POWER SPECTRAL DENSITY</b>	<b>134</b>



**REPORT ISSUED HISTORY**

Issued No.	Description	Issued Date
NEI-FCCP-1-1405C045	Original Issue.	Jun. 20, 2014



## 1. CERTIFICATION

Equipment : Mini Wireless Router  
Brand Name : ZTE 中兴;ZTE  
Model Name : H560N  
Applicant : ZTE Corporation  
Manufacturer: ZTE Corporation  
Address : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District,  
Shenzhen,China.518052  
Date of Test : May. 08, 2014 ~ Jun. 20, 2014  
Test Item : ENGINEERING SAMPLE  
Standard(s) : FCC Part15, Subpart C(15.247) / ANSI C63.4-2009

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-1405C045) 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):

<b>Applied Standard(s): FCC Part15 (15.247) , Subpart C</b>			
<b>Standard(s) Section</b>	<b>Test Item</b>	<b>Judgment</b>	<b>Remark</b>
<b>FCC</b>			
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) 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  
 Neutron'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 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	Mini Wireless Router	
Brand Name	ZTE 中兴;ZTE	
Model Name	H560N	
Model Difference	N/A	
Product Description	Operation Frequency	2412~2462 MHz
	Modulation Technology	802.11b: DSSS 802.11g:OFDM 802.11n: OFDM
	Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 300 Mbps
	Output Power (Max.)	802.11b: 17.25dBm 802.11g: 19.27dBm 802.11n(20MHz): 26.09dBm 802.11n(40MHz): 25.28dBm
Power Source	AC Mains	
Power Rating	I/P: AC 100-240V~50/60Hz 0.4A O/P: DC 5V/1A	
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.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	1.6
2	N/A	N/A	Internal	N/A	1.6

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

4.

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



**3.2 DESCRIPTION OF TEST MODES**

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

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

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

<b>For Conducted Test</b>	
Final Test Mode	Description
Mode 5	TX MODE

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

Note:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)  
 802.11g mode: OFDM (6Mbps)  
 802.11n HT20 mode : BPSK (13Mbps)  
 802.11n HT40 mode : BPSK (27Mbps)  
 For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.



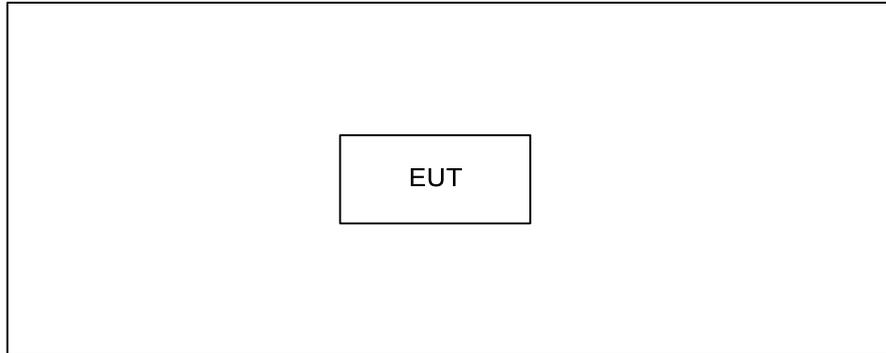
**3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING**

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

Test software version	NA		
Frequency	2412 MHz	2437 MHz	2462 MHz
IEEE 802.11b DSSS	0	0	0
IEEE 802.11g OFDM	10	10	10
IEEE 802.11n (20MHz)	10	10	5
Frequency	2422 MHz	2437 MHz	2452 MHz
IEEE 802.11n (40MHz)	6	10	3



**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/IC	Series No.	Note
-	-	-	-	-	-	

Item	Shielded Type	Ferrite Core	Length	Note
-	-	-	-	



**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

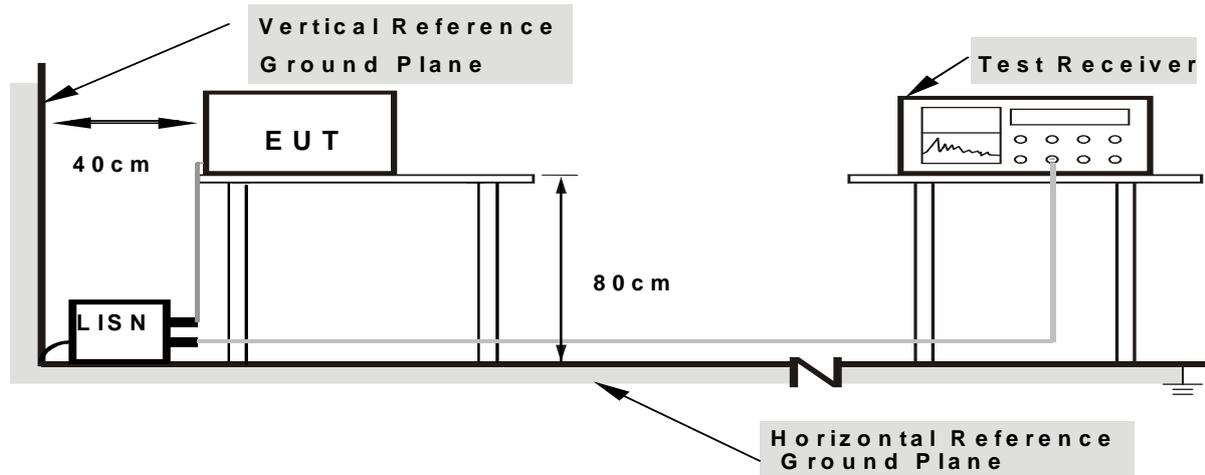
**4.1.2 TEST PROCEDURE**

- 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), 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).

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**

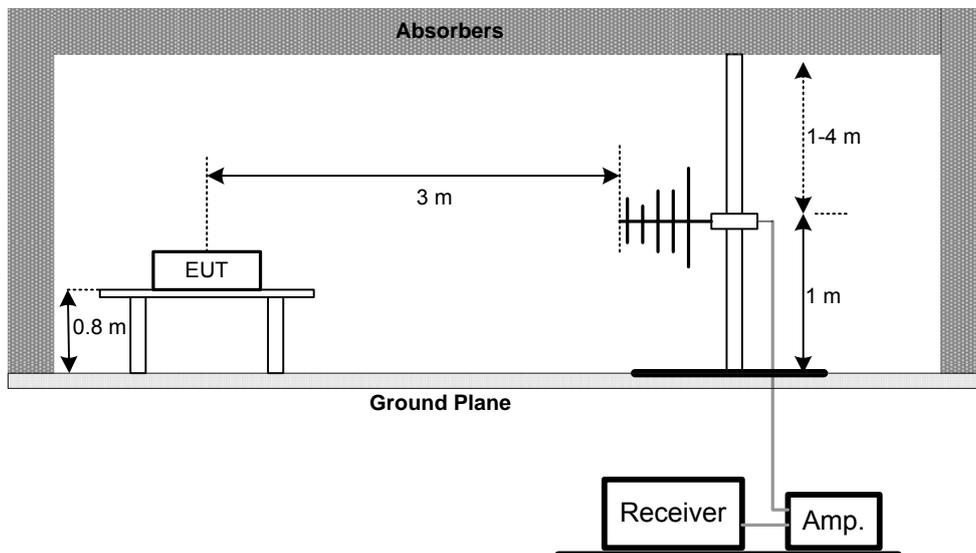
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. 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.
- d. 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.
- e. 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.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

**4.2.3 DEVIATION FROM TEST STANDARD**

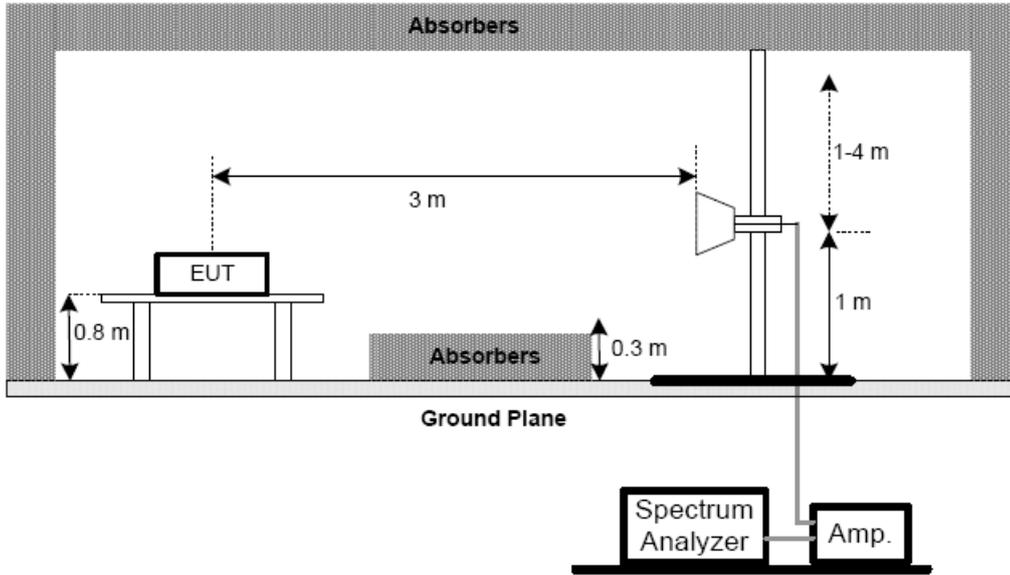
No deviation

**4.2.4 TEST SETUP**

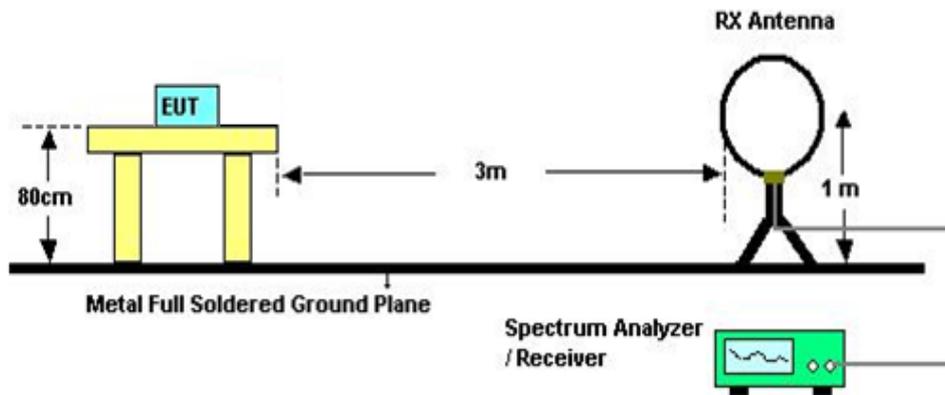
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2)	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				
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 9.1.3 of FCC KDB 558074 D01 DTS Meas Guidance v03r02.

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

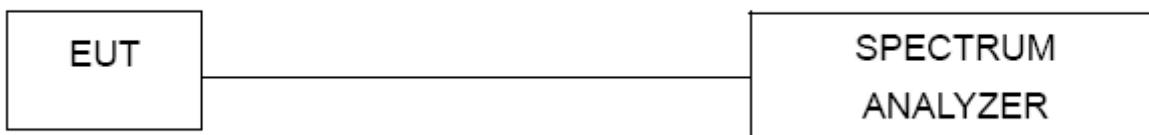
**8.1.1 TEST PROCEDURE**

- 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 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**

<b>Conducted Emission Measurement</b>					
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

<b>Radiated Emission Measurement</b>					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 29, 2015
2	Amplifier	HP	8447D	2944A09673	Mar. 29, 2015
3	Test Receiver	R&S	ESCI	100382	Mar. 29, 2015
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 01, 2015
5	Antenna	ETS	3115	00075789	Mar. 29, 2015
6	Amplifier	Agilent	8449B	3008A02274	Mar. 29, 2015
7	Spectrum	Agilent	E4408B	US39240143	Nov. 09, 2014
8	Test Cable	HUBER+SUHNER	C-45	N/A	Mar. 29, 2015
9	Controller	CT	SC100	N/A	N/A
10	Horn Antenna	EMCO	3115	9605-4803	Mar. 29, 2015
11	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 29, 2015



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

<b>Peak Output Power Measurement</b>					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Apr. 24, 2015
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Apr. 24, 2015

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

<b>Power Spectral Density Measurement</b>					
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**



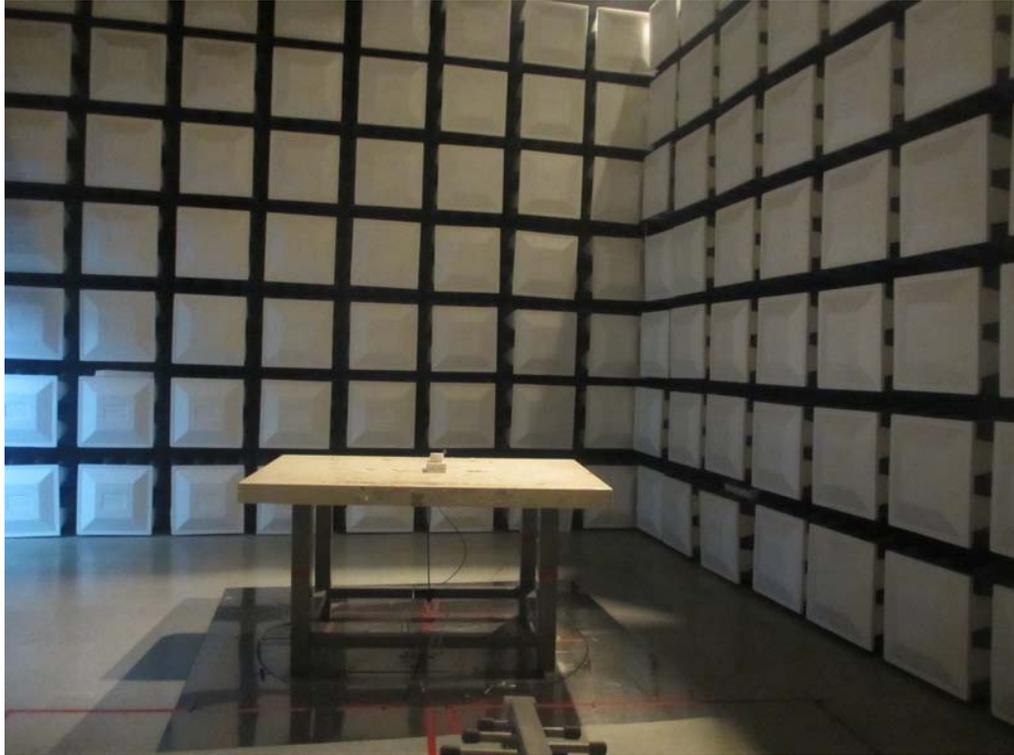


**Radiated Measurement Photos  
9KHz to 30MHz**





**Radiated Measurement Photos  
30MHz to 1000MHz**





**Radiated Measurement Photos  
Above 1000MHz**



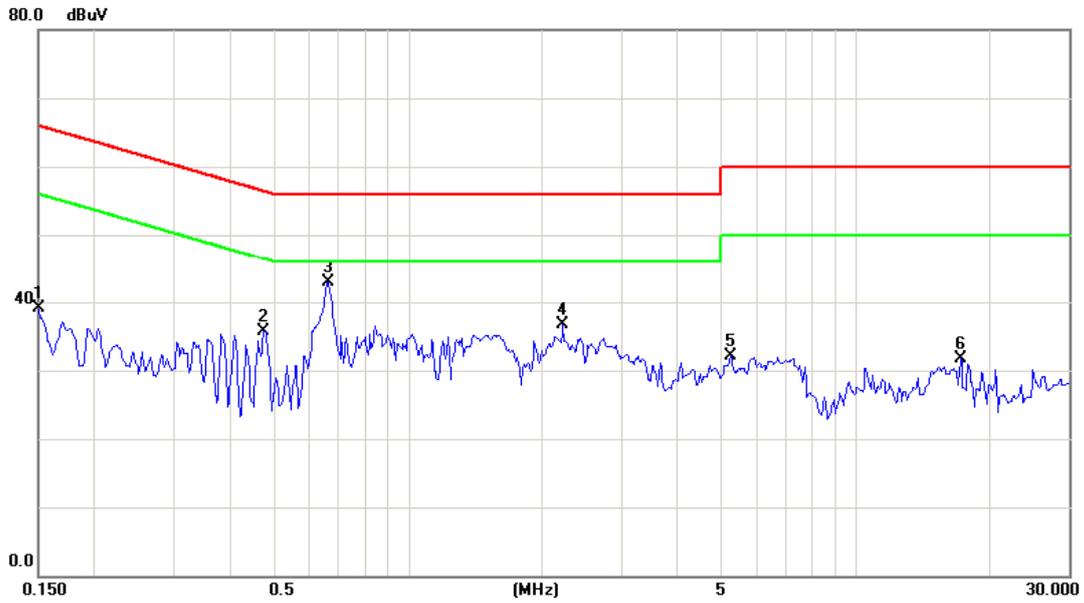


**ATTACHMENT A - CONDUCTED EMISSION**



Test Mode : TX MODE

Line

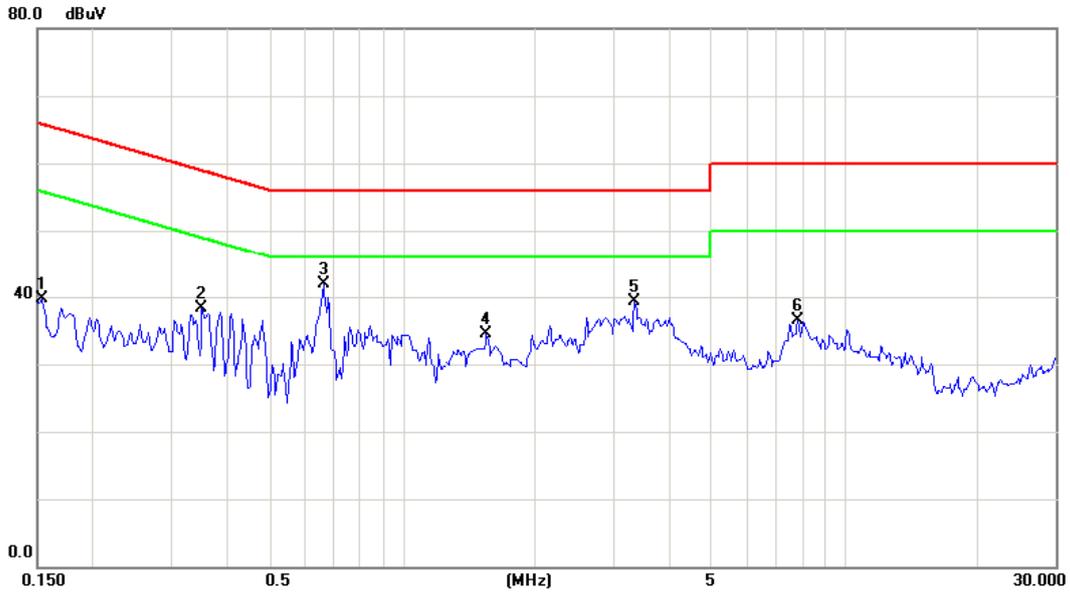


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1500	29.50	9.52	39.02	66.00	-26.98	peak	
2		0.4781	25.98	9.69	35.67	56.37	-20.70	peak	
3	*	0.6617	33.27	9.64	42.91	56.00	-13.09	peak	
4		2.2320	27.06	9.72	36.78	56.00	-19.22	peak	
5		5.2733	22.17	9.89	32.06	60.00	-27.94	peak	
6		17.2773	21.38	10.34	31.72	60.00	-28.28	peak	



Test Mode : TX MODE

Neutral



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1540	30.03	9.63	39.66	65.78	-26.12	peak	
2	0.3531	28.75	9.63	38.38	58.89	-20.51	peak	
3 *	0.6617	32.19	9.66	41.85	56.00	-14.15	peak	
4	1.5562	24.78	9.71	34.49	56.00	-21.51	peak	
5	3.3555	29.47	9.80	39.27	56.00	-16.73	peak	
6	7.8203	26.53	9.99	36.52	60.00	-23.48	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
0.0213	0°	16.52	24.22	40.74	121.04	-80.30	AVG
0.0213	0°	18.19	24.22	42.41	141.04	-98.63	PEAK
0.0279	0°	17.15	23.80	40.95	118.69	-77.74	AVG
0.0279	0°	19.03	23.80	42.83	138.69	-95.86	PEAK
0.0331	0°	17.16	23.47	40.63	117.21	-76.58	AVG
0.0331	0°	20.08	23.47	43.55	137.21	-93.66	PEAK
0.0528	0°	18.47	22.34	40.81	113.15	-72.34	AVG
0.0528	0°	21.55	22.34	43.89	133.15	-89.26	PEAK
0.3170	0°	18.36	20.24	38.60	97.58	-58.98	AVG
0.3170	0°	21.05	20.24	41.29	117.58	-76.29	PEAK
1.5250	0°	18.73	19.55	38.28	63.94	-25.66	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0175	90°	17.51	24.30	41.81	122.74	-80.93	AVG
0.0175	90°	19.23	24.30	43.53	142.74	-99.21	PEAK
0.0269	90°	16.95	23.86	40.81	119.01	-78.20	AVG
0.0269	90°	18.33	23.86	42.19	139.01	-96.82	PEAK
0.0378	90°	20.03	23.17	43.20	116.05	-72.85	AVG
0.0378	90°	21.68	23.17	44.85	136.05	-91.20	PEAK
0.0519	90°	20.25	22.36	42.61	113.30	-70.69	AVG
0.0519	90°	23.39	22.36	45.75	133.30	-87.55	PEAK
0.3270	90°	18.45	20.22	38.67	97.31	-58.65	AVG
0.3270	90°	20.72	20.22	40.94	117.31	-76.38	PEAK
1.6750	90°	18.63	19.53	38.16	63.12	-24.96	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 (specific distance / test distance) (dB);
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

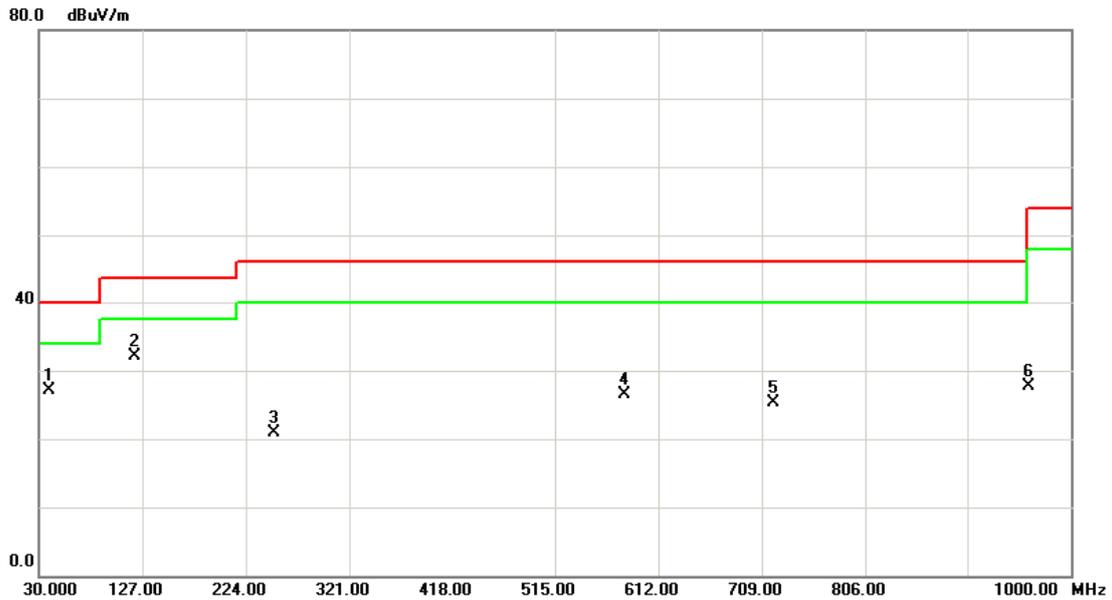


**ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)**



Test Mode: TX B MODE CHANNEL 01

Vertical

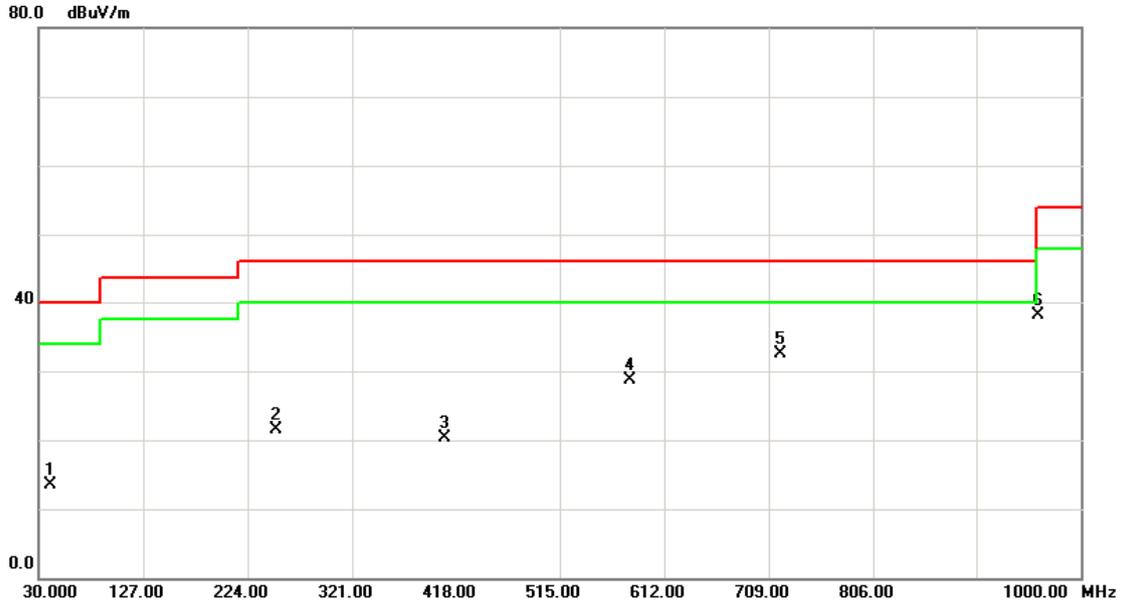


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		39.7000	41.71	-14.66	27.05	40.00	-12.95	peak	
2	*	120.2100	46.04	-13.88	32.16	43.50	-11.34	peak	
3		250.1900	35.85	-14.97	20.88	46.00	-25.12	peak	
4		579.9900	34.47	-7.92	26.55	46.00	-19.45	peak	
5		719.6700	30.14	-4.85	25.29	46.00	-20.71	peak	
6		960.2300	28.06	-0.37	27.69	54.00	-26.31	peak	



Test Mode: TX B MODE CHANNEL 01

Horizontal

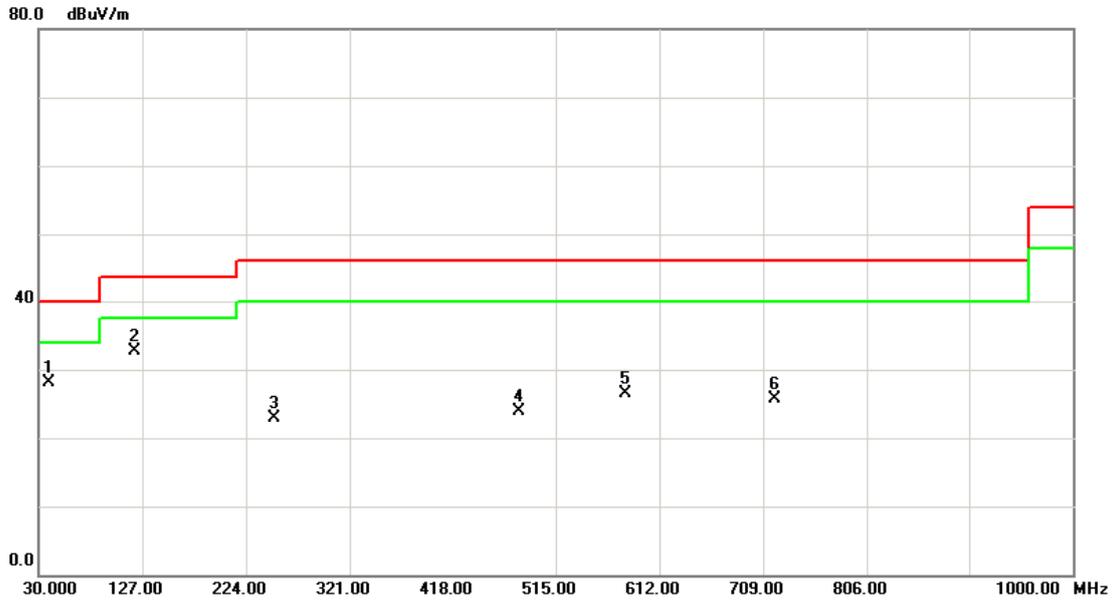


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		40.6700	28.09	-14.58	13.51	40.00	-26.49	peak	
2		250.1900	36.50	-14.97	21.53	46.00	-24.47	peak	
3		406.3600	30.15	-9.75	20.40	46.00	-25.60	peak	
4		579.9900	36.67	-7.92	28.75	46.00	-17.25	peak	
5	*	719.6700	37.45	-4.85	32.60	46.00	-13.40	peak	
6		960.2300	38.53	-0.37	38.16	54.00	-15.84	peak	



Test Mode: TX B MODE CHANNEL 06

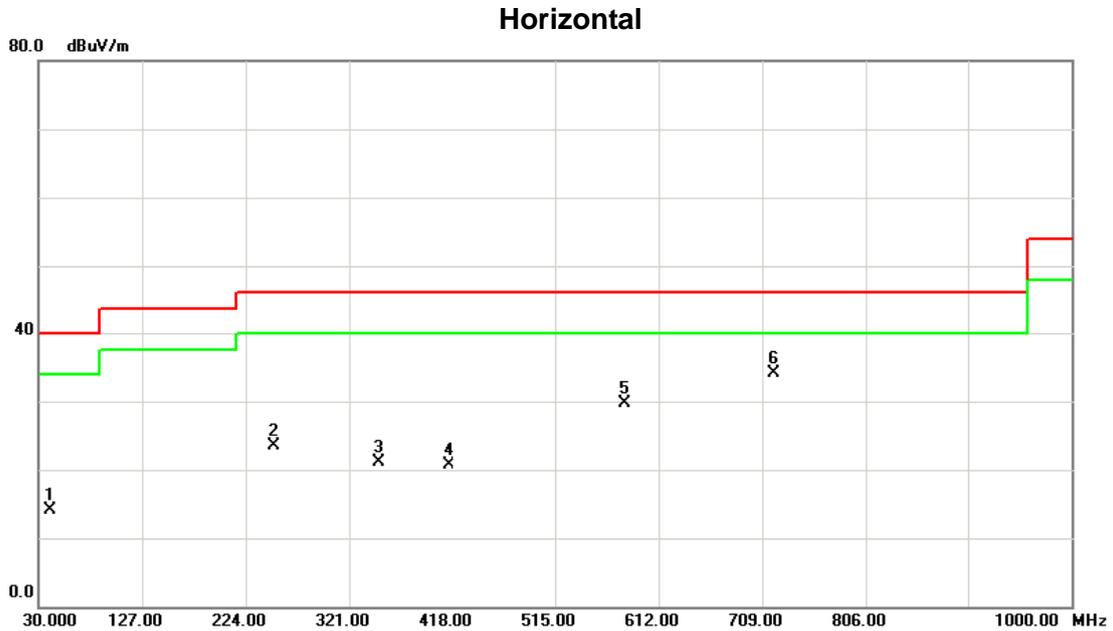
**Vertical**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		39.7000	42.71	-14.66	28.05	40.00	-11.95	peak	
2	*	120.2100	46.54	-13.88	32.66	43.50	-10.84	peak	
3		250.1900	37.85	-14.97	22.88	46.00	-23.12	peak	
4		480.0800	33.77	-9.77	24.00	46.00	-22.00	peak	
5		579.9900	34.47	-7.92	26.55	46.00	-19.45	peak	
6		719.6700	30.64	-4.85	25.79	46.00	-20.21	peak	



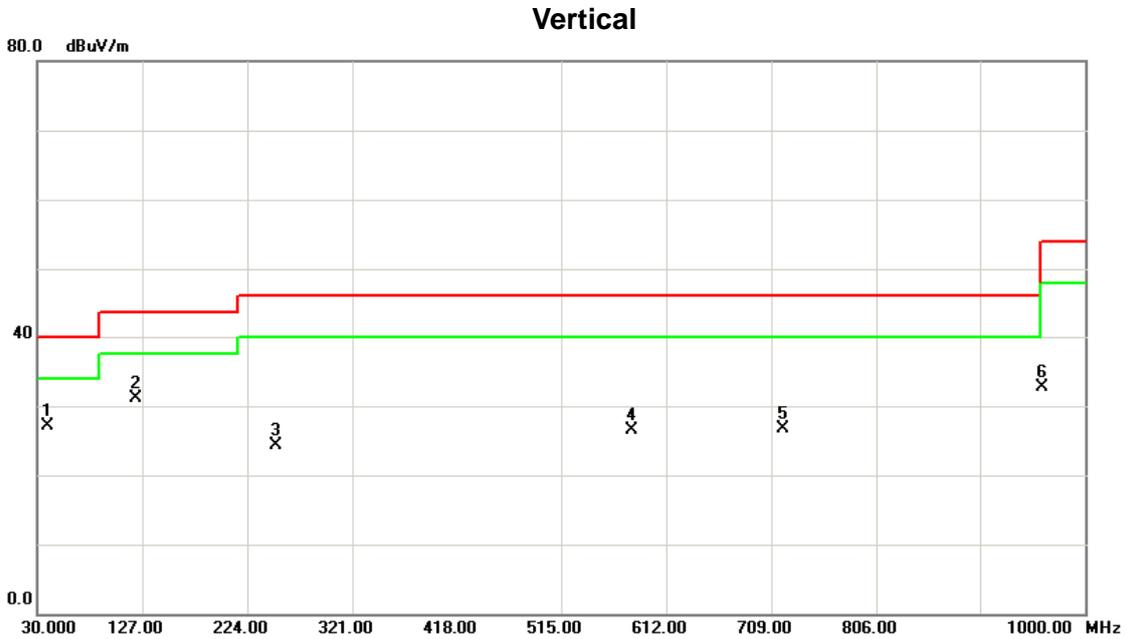
Test Mode: TX B MODE CHANNEL 06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		40.6700	28.59	-14.58	14.01	40.00	-25.99	peak	
2		250.1900	38.50	-14.97	23.53	46.00	-22.47	peak	
3		348.1600	32.47	-11.46	21.01	46.00	-24.99	peak	
4		414.1200	30.27	-9.61	20.66	46.00	-25.34	peak	
5		579.9900	37.67	-7.92	29.75	46.00	-16.25	peak	
6	*	719.6700	38.95	-4.85	34.10	46.00	-11.90	peak	



Test Mode: TX B MODE CHANNEL 11

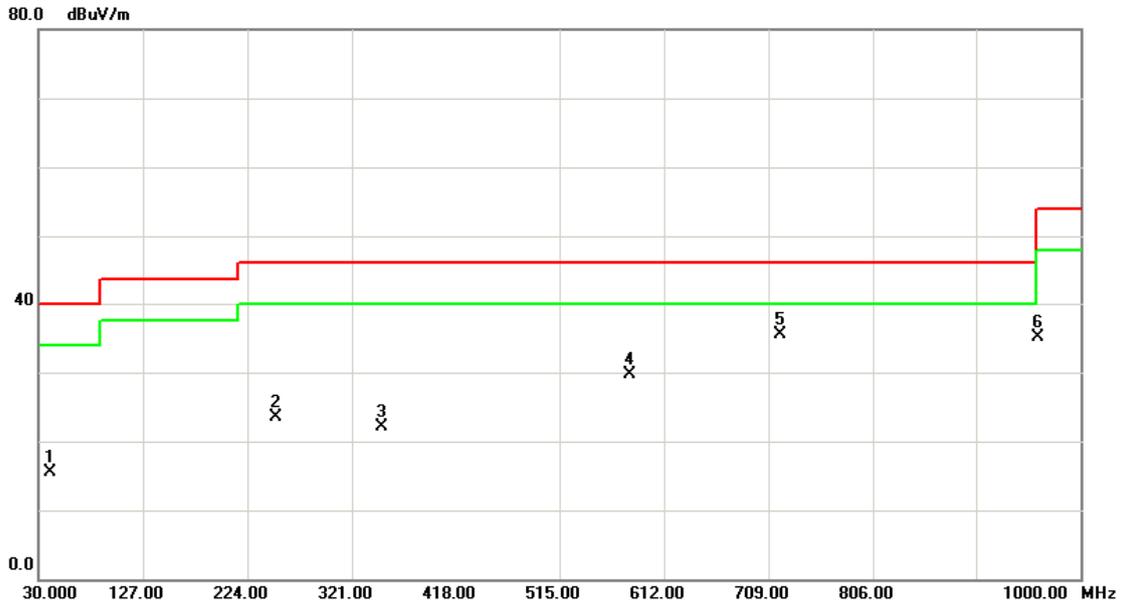


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		39.7000	41.71	-14.66	27.05	40.00	-12.95	peak	
2	*	121.1800	44.92	-13.83	31.09	43.50	-12.41	peak	
3		250.1900	39.35	-14.97	24.38	46.00	-21.62	peak	
4		579.9900	34.47	-7.92	26.55	46.00	-19.45	peak	
5		719.6700	31.64	-4.85	26.79	46.00	-19.21	peak	
6		960.2300	33.06	-0.37	32.69	54.00	-21.31	peak	



Test Mode: TX B MODE CHANNEL 11

Horizontal



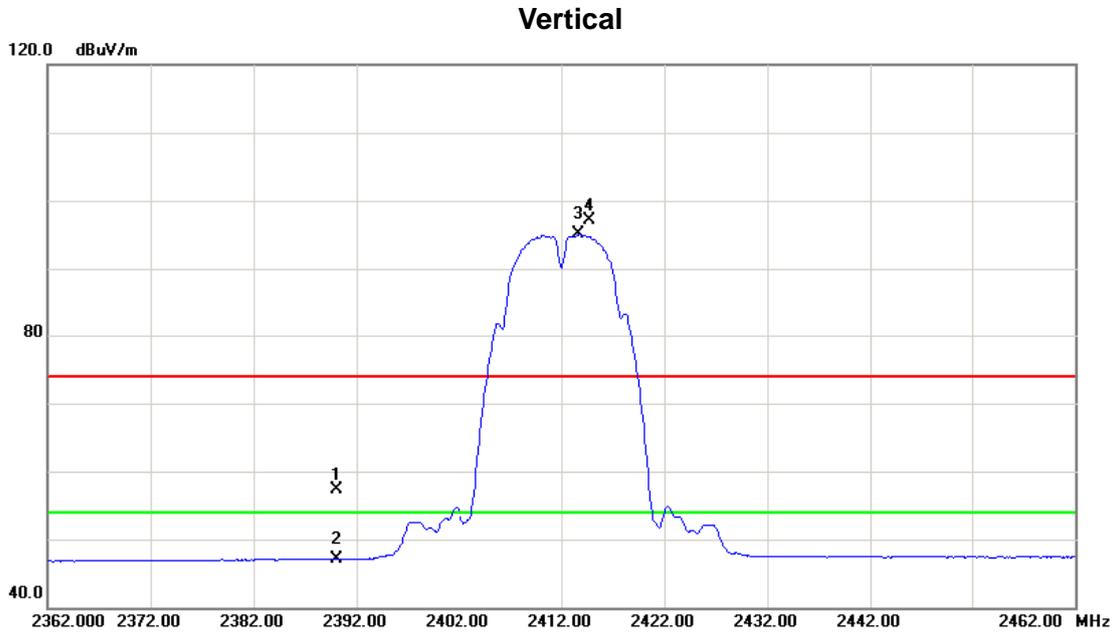
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		40.6700	30.09	-14.58	15.51	40.00	-24.49	peak	
2		250.1900	38.50	-14.97	23.53	46.00	-22.47	peak	
3		348.1600	33.47	-11.46	22.01	46.00	-23.99	peak	
4		579.9900	37.67	-7.92	29.75	46.00	-16.25	peak	
5	*	719.6700	40.45	-4.85	35.60	46.00	-10.40	peak	
6		960.2300	35.53	-0.37	35.16	54.00	-18.84	peak	



**ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)**



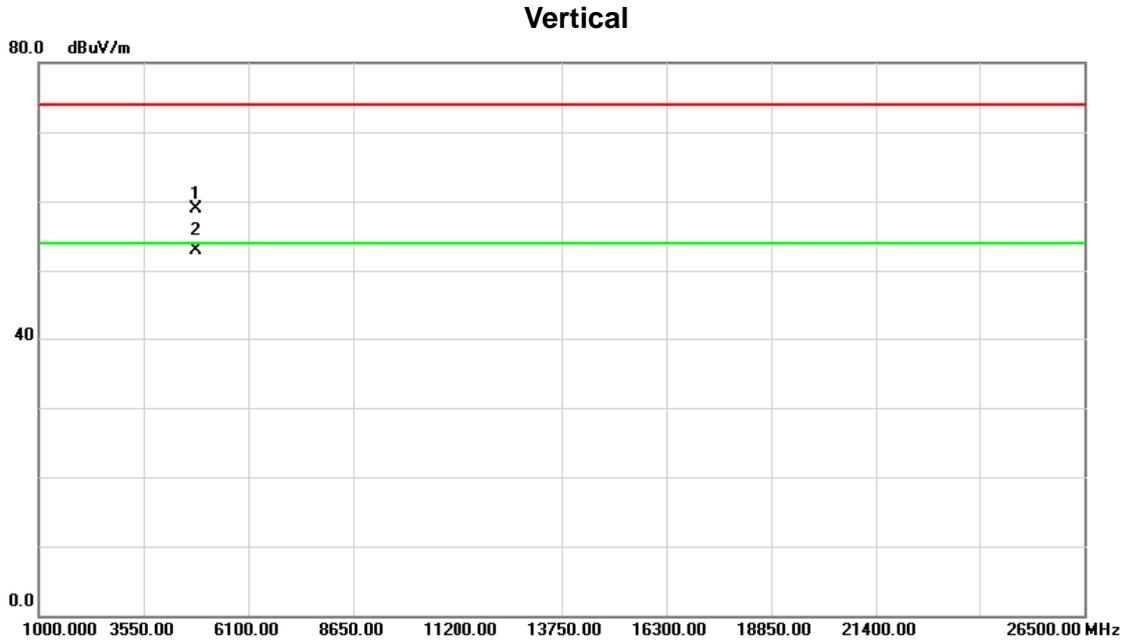
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	24.02	33.38	57.40	74.00	-16.60	peak	
2		2390.000	13.73	33.38	47.11	54.00	-6.89	AVG	
3	*	2413.700	61.61	33.44	95.05	54.00	41.05	AVG	Fundamental frequency, no limit
4	X	2414.700	63.64	33.44	97.08	74.00	23.08	peak	Fundamental frequency, no limit



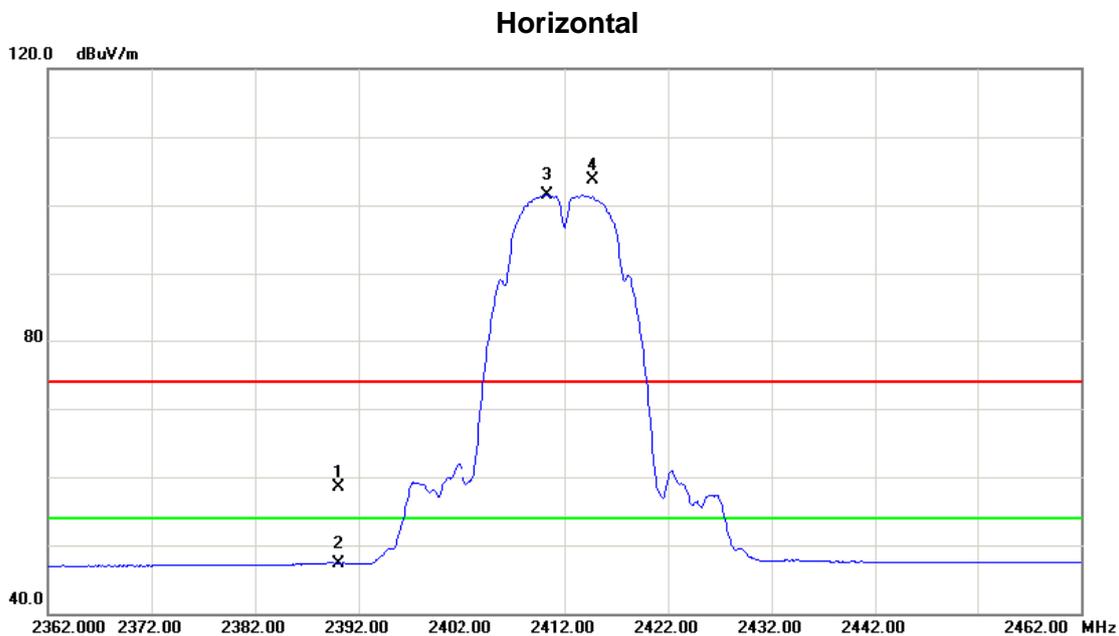
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.015	52.37	6.44	58.81	74.00	-15.19	peak	
2	*	4824.035	46.54	6.44	52.98	54.00	-1.02	AVG	



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

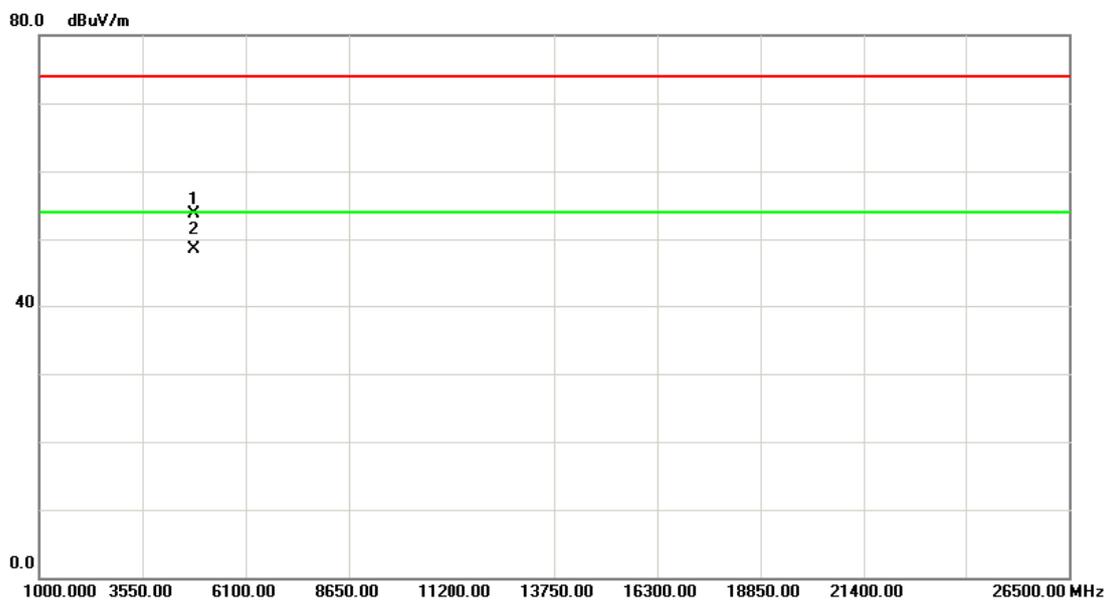


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	25.18	33.38	58.56	74.00	-15.44	peak	
2		2390.000	13.98	33.38	47.36	54.00	-6.64	AVG	
3	*	2410.300	68.15	33.44	101.59	54.00	47.59	AVG	Fundamental frequency, no limit
4	X	2414.700	70.20	33.44	103.64	74.00	29.64	peak	Fundamental frequency, no limit



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

**Horizontal**

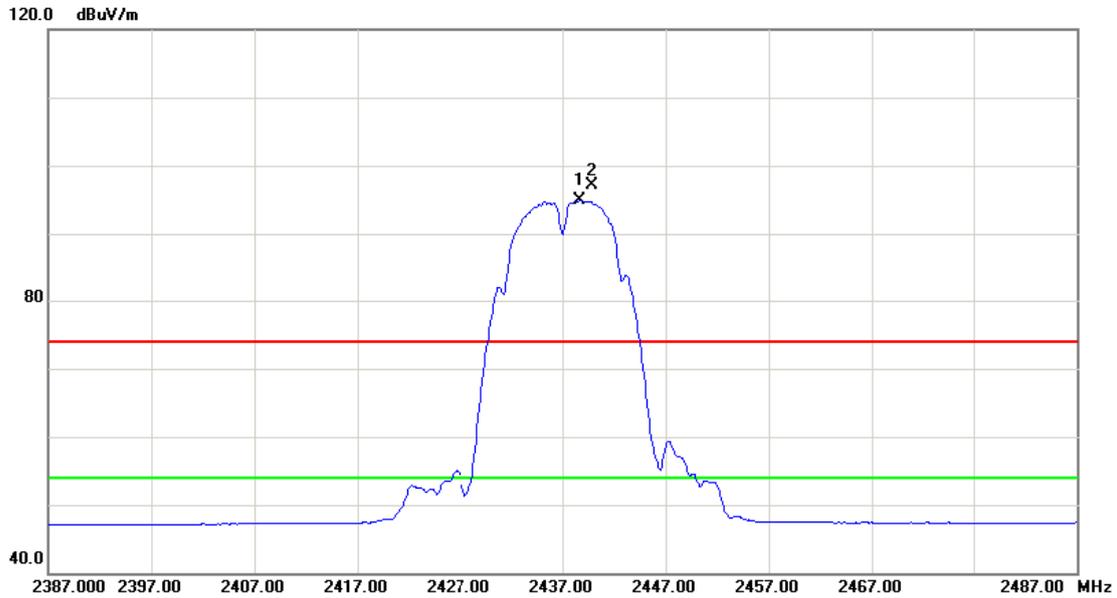


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4823.955	47.24	6.44	53.68	74.00	-20.32	peak	
2	*	4824.015	42.12	6.44	48.56	54.00	-5.44	AVG	



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

**Vertical**

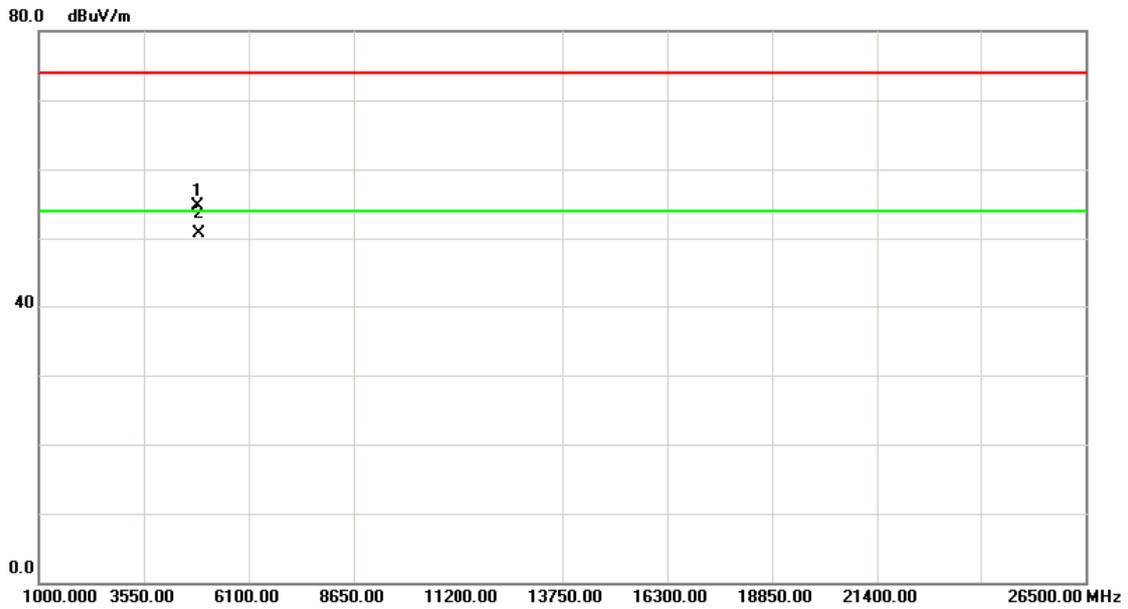


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2438.700	61.45	33.50	94.95	54.00	40.95	AVG	Fundamental frequency, no limit
2	X	2439.800	63.67	33.51	97.18	74.00	23.18	peak	Fundamental frequency, no limit



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

**Vertical**

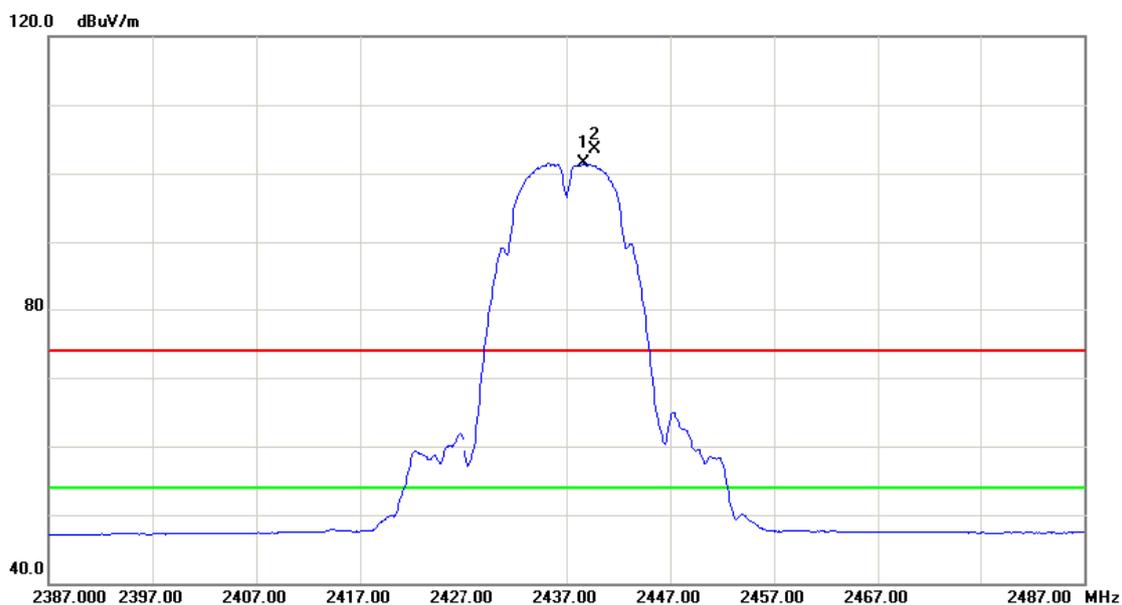


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4873.990	48.12	6.55	54.67	74.00	-19.33	peak	
2	*	4874.005	44.23	6.55	50.78	54.00	-3.22	AVG	



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

**Horizontal**

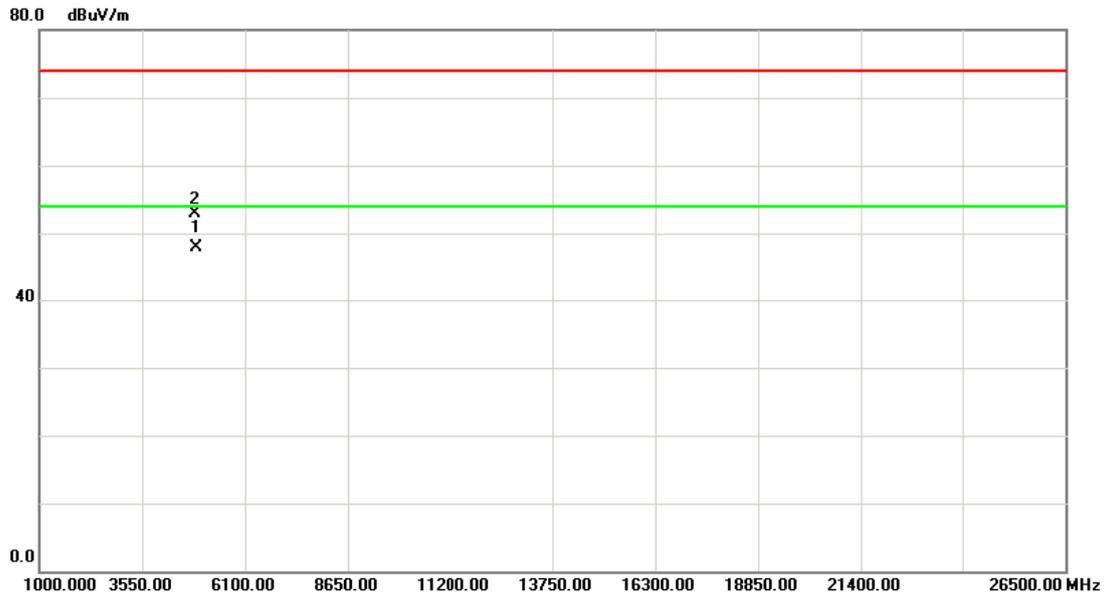


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2438.700	67.94	33.50	101.44	54.00	47.44	AVG	Fundamental frequency, no limit
2	X	2439.700	70.00	33.51	103.51	74.00	29.51	peak	Fundamental frequency, no limit



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

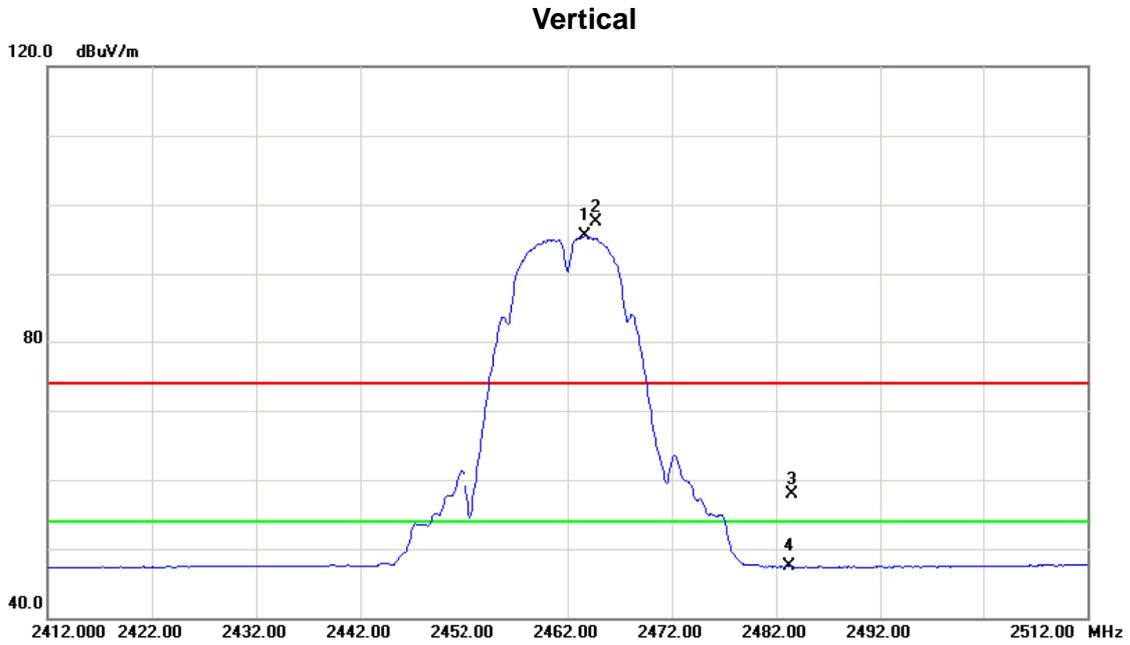
**Horizontal**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4873.267	41.28	6.55	47.83	54.00	-6.17	AVG	
2		4874.004	46.34	6.55	52.89	74.00	-21.11	peak	



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

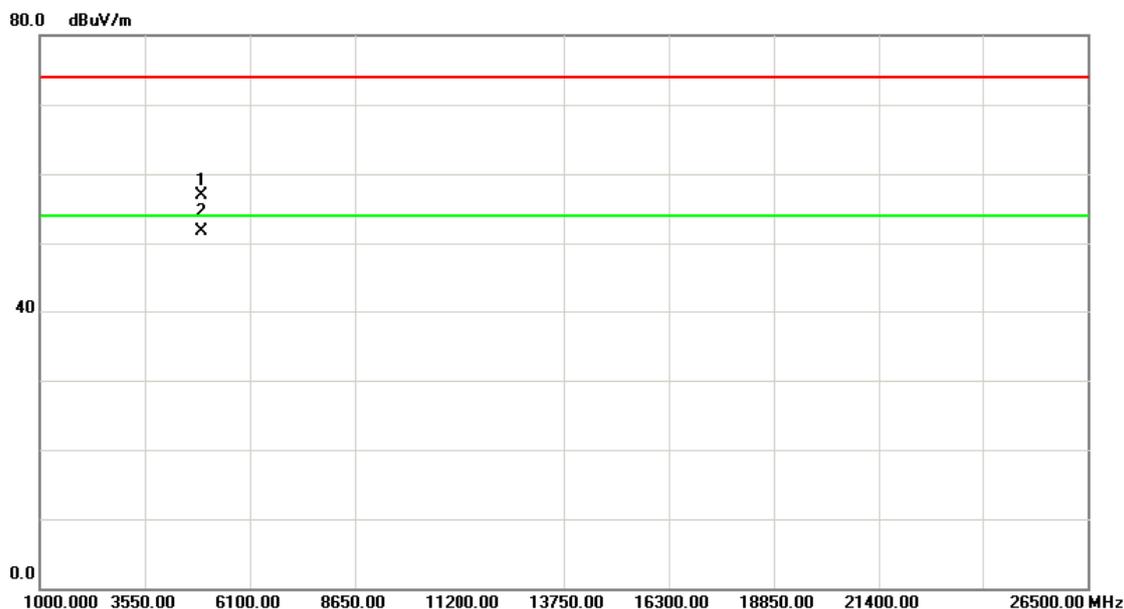


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2463.700	61.91	33.57	95.48	54.00	41.48	AVG	Fundamental frequency, no limit
2	X	2464.700	63.92	33.57	97.49	74.00	23.49	peak	Fundamental frequency, no limit
3		2483.500	24.32	33.62	57.94	74.00	-16.06	peak	
4		2483.500	13.80	33.62	47.42	54.00	-6.58	AVG	



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

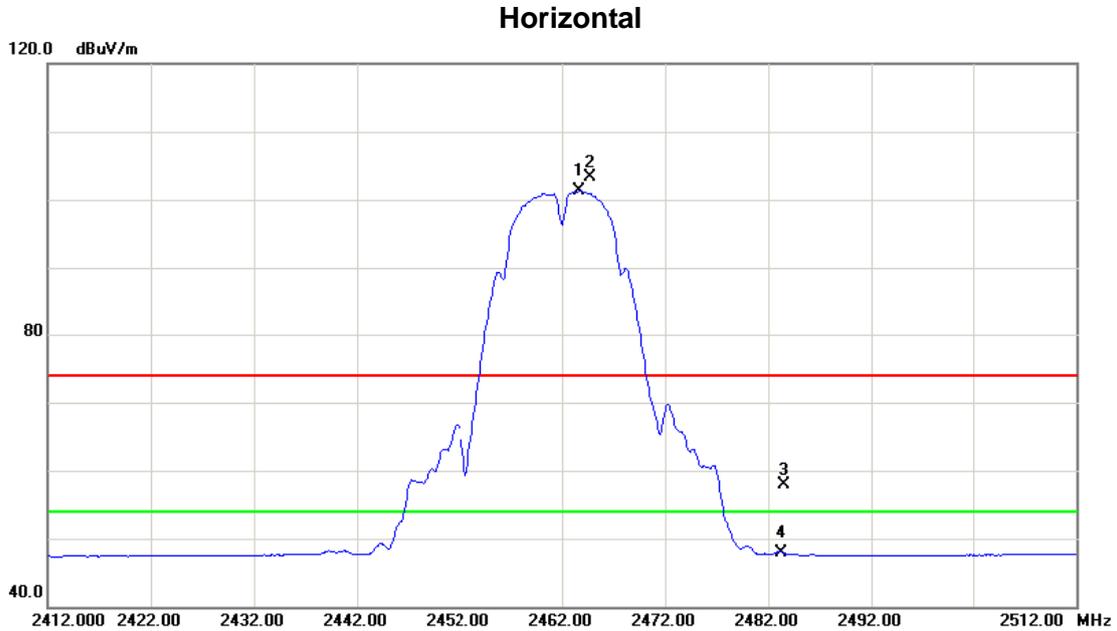
**Vertical**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4923.990	50.23	6.66	56.89	74.00	-17.11	peak	
2	*	4924.035	45.12	6.66	51.78	54.00	-2.22	AVG	



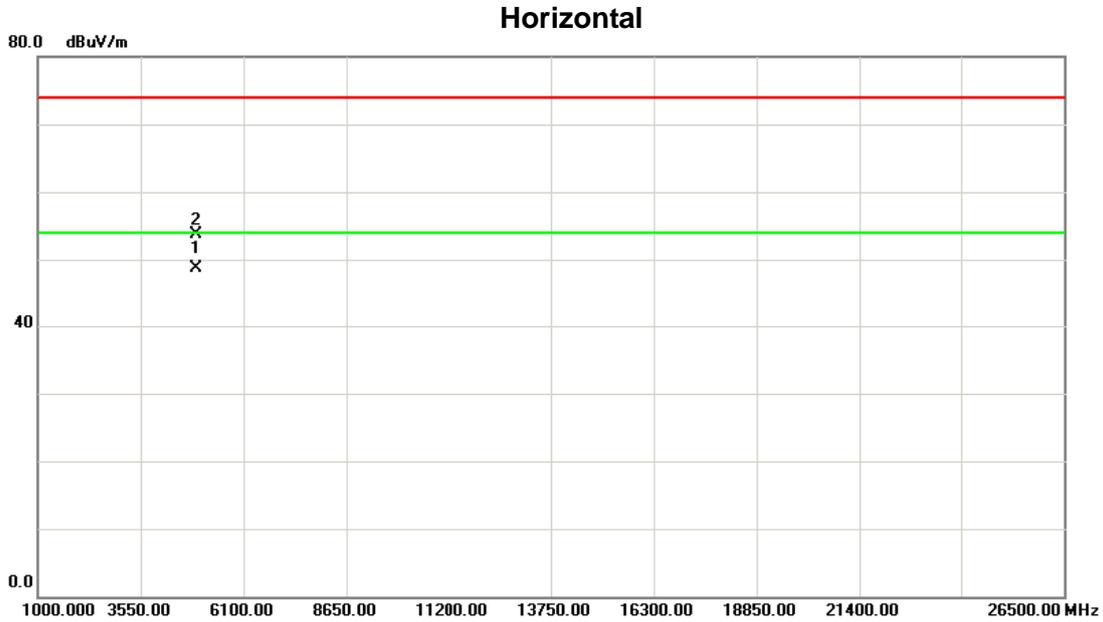
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2463.700	67.83	33.57	101.40	54.00	47.40	AVG	Fundamental frequency, no limit
2	X	2464.700	69.83	33.57	103.40	74.00	29.40	peak	Fundamental frequency, no limit
3		2483.500	24.29	33.62	57.91	74.00	-16.09	peak	
4		2483.500	14.33	33.62	47.95	54.00	-6.05	AVG	



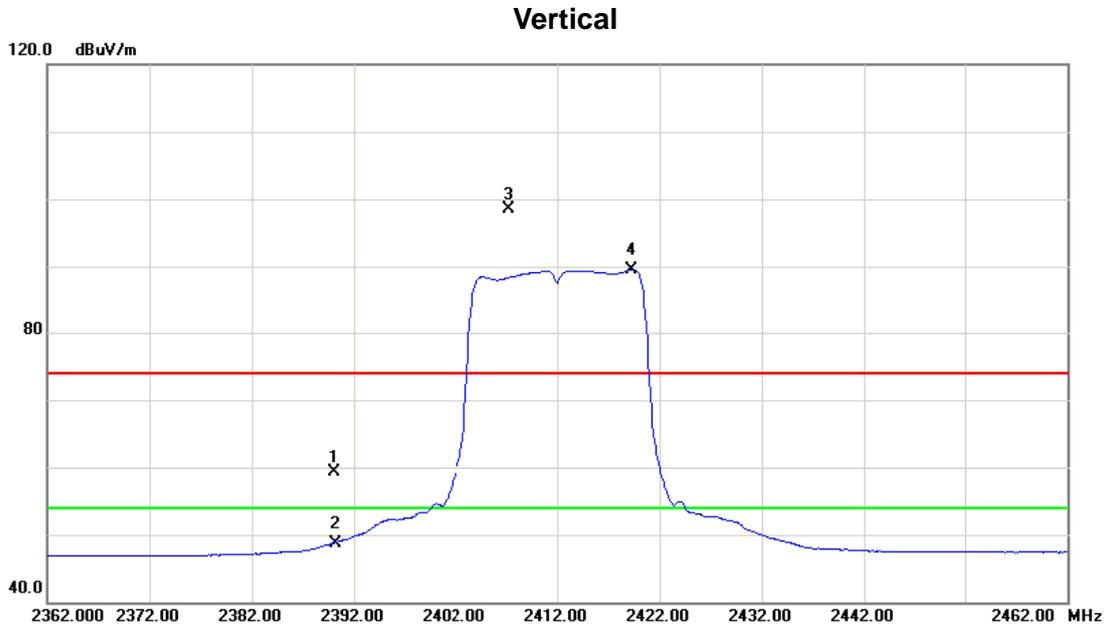
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4923.952	42.08	6.66	48.74	54.00	-5.26	AVG	
2		4924.127	46.98	6.66	53.64	74.00	-20.36	peak	



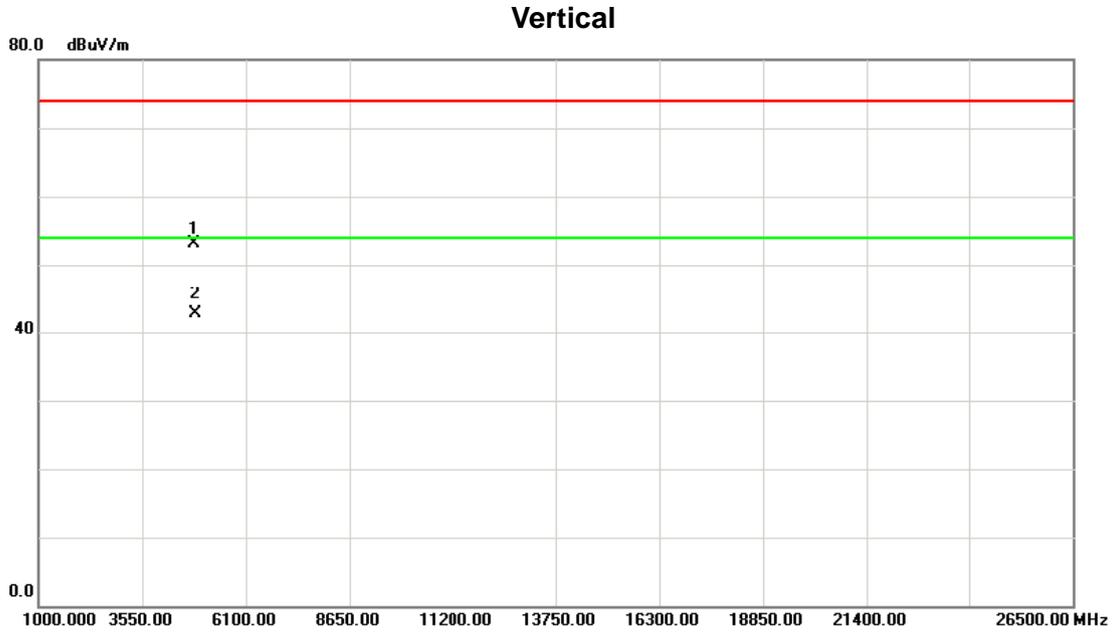
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	25.96	33.38	59.34	74.00	-14.66	peak	
2		2390.000	15.42	33.38	48.80	54.00	-5.20	AVG	
3	X	2407.200	65.16	33.43	98.59	74.00	24.59	peak	Fundamental frequency, no limit
4	*	2419.300	56.07	33.46	89.53	54.00	35.53	AVG	Fundamental frequency, no limit



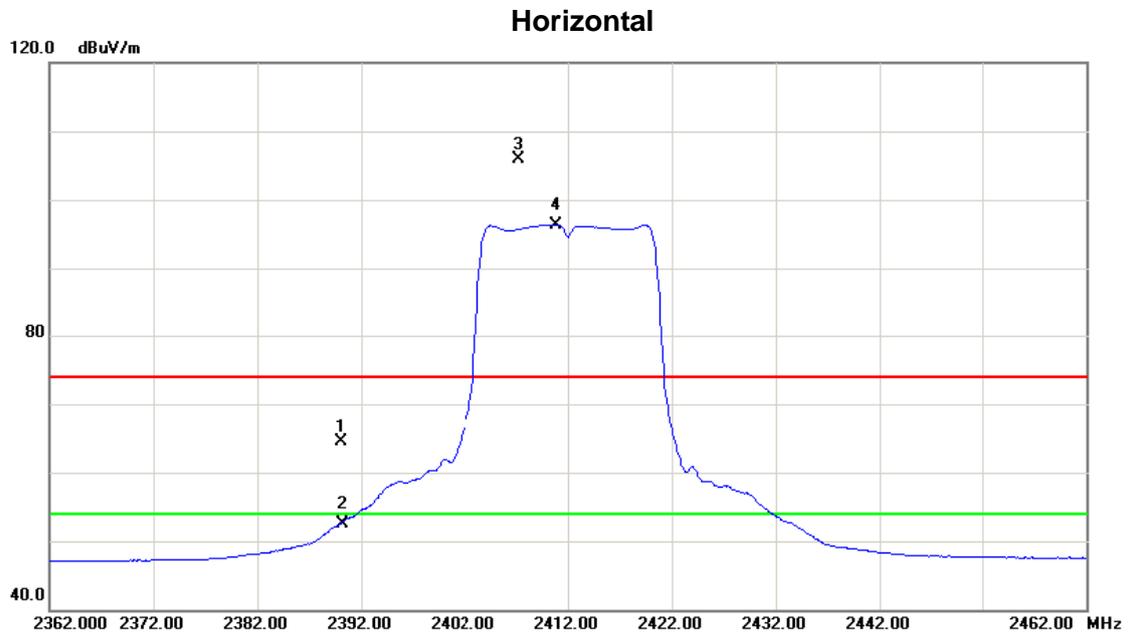
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4825.700	46.68	6.44	53.12	74.00	-20.88	peak	
2	*	4825.700	36.25	6.44	42.69	54.00	-11.31	AVG	



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

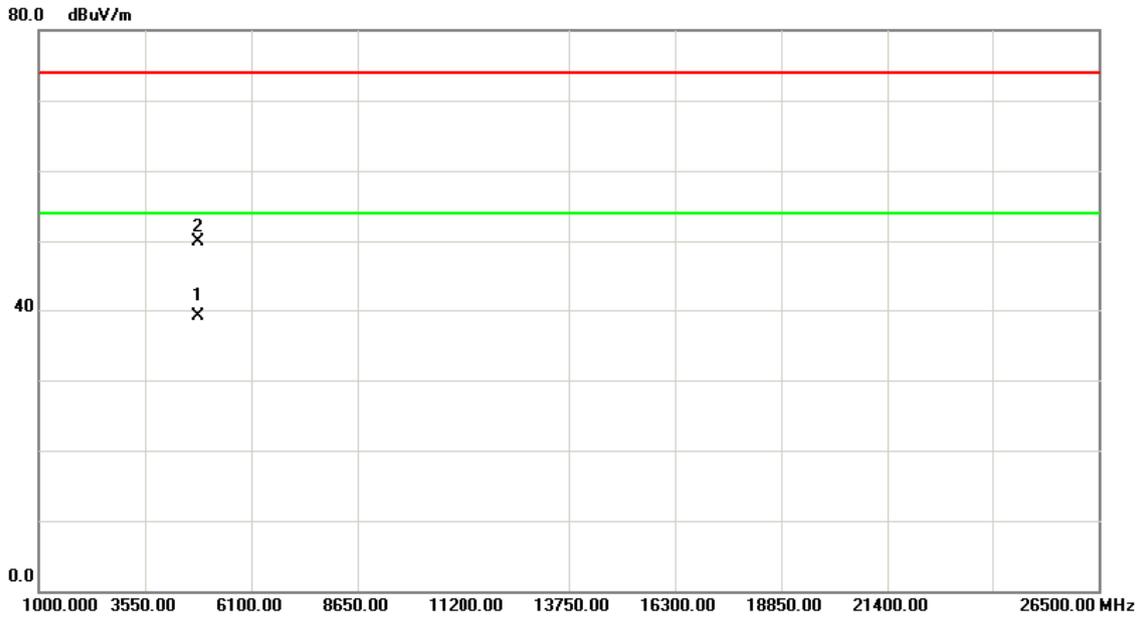


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	31.15	33.38	64.53	74.00	-9.47	peak	
2		2390.000	19.19	33.38	52.57	54.00	-1.43	AVG	
3	X	2407.300	72.57	33.43	106.00	74.00	32.00	peak	Fundamental frequency, no limit
4	*	2410.900	62.95	33.44	96.39	54.00	42.39	AVG	Fundamental frequency, no limit



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

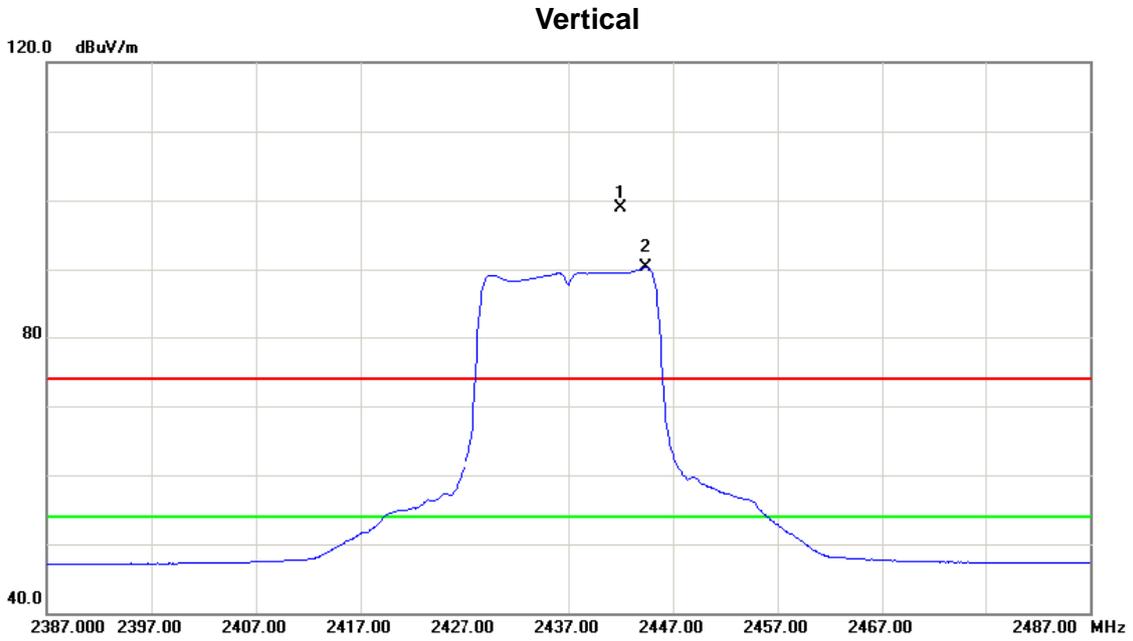
**Horizontal**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4821.900	32.75	6.44	39.19	54.00	-14.81	AVG	
2		4822.700	43.51	6.44	49.95	74.00	-24.05	peak	



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

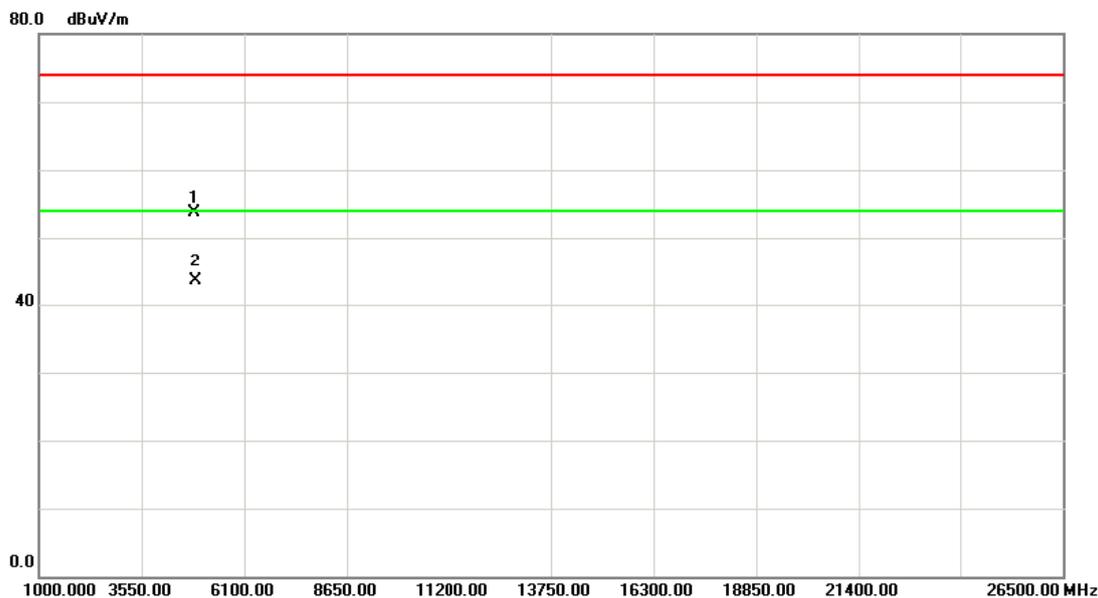


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2442.000	65.36	33.51	98.87	74.00	24.87	peak	Fundamental frequency, no limit
2	*	2444.400	56.73	33.52	90.25	54.00	36.25	AVG	Fundamental frequency, no limit



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

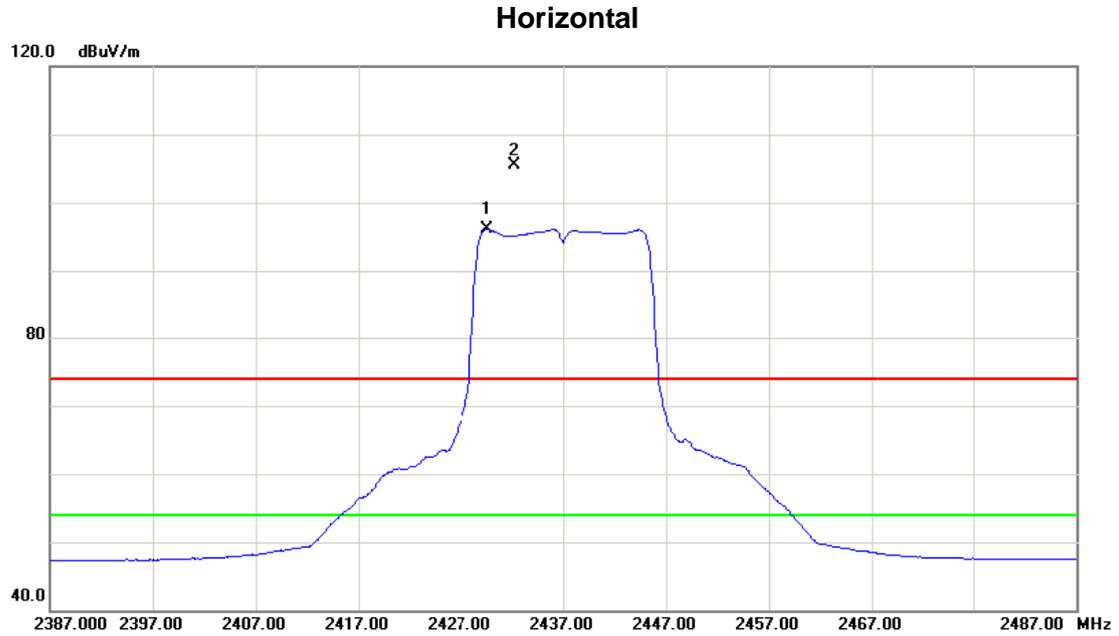
**Vertical**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4873.853	47.24	6.55	53.79	74.00	-20.21	peak	
2	*	4874.026	36.96	6.55	43.51	54.00	-10.49	AVG	



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

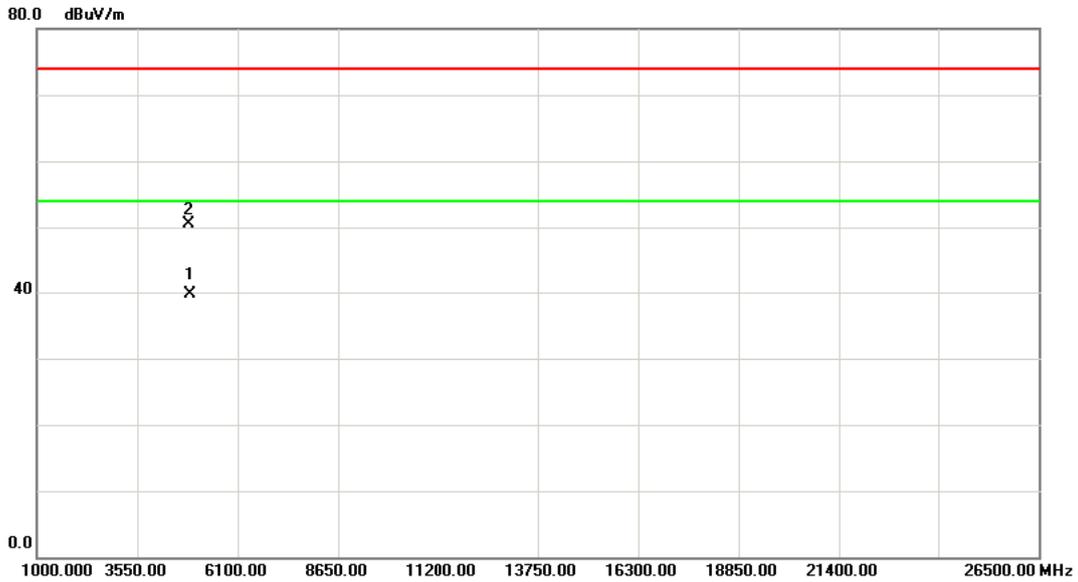


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2429.600	62.62	33.48	96.10	54.00	42.10	AVG	Fundamental frequency, no limit
2	X	2432.200	71.96	33.49	105.45	74.00	31.45	peak	Fundamental frequency, no limit



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

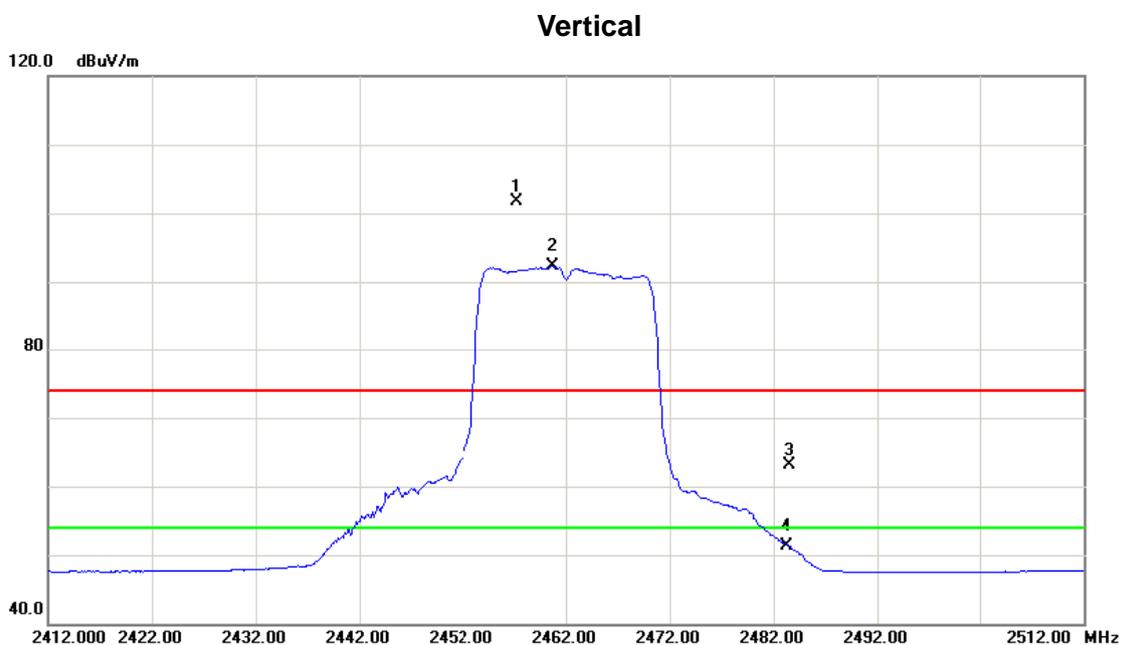
**Horizontal**



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1 *	4874.127	33.18	6.55	39.73	54.00	-14.27	AVG	
2	4874.265	44.02	6.55	50.57	74.00	-23.43	peak	



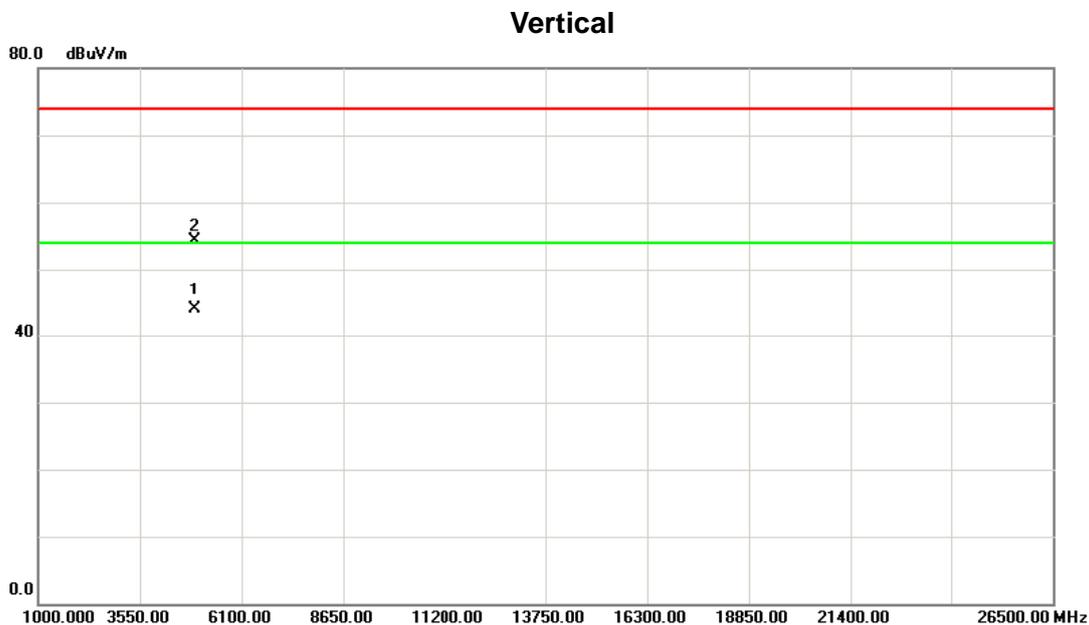
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2457.200	68.14	33.56	101.70	74.00	27.70	peak	Fundamental frequency, no limit
2	*	2460.700	58.80	33.56	92.36	54.00	38.36	AVG	Fundamental frequency, no limit
3		2483.500	29.41	33.62	63.03	74.00	-10.97	peak	
4		2483.500	17.71	33.62	51.33	54.00	-2.67	AVG	



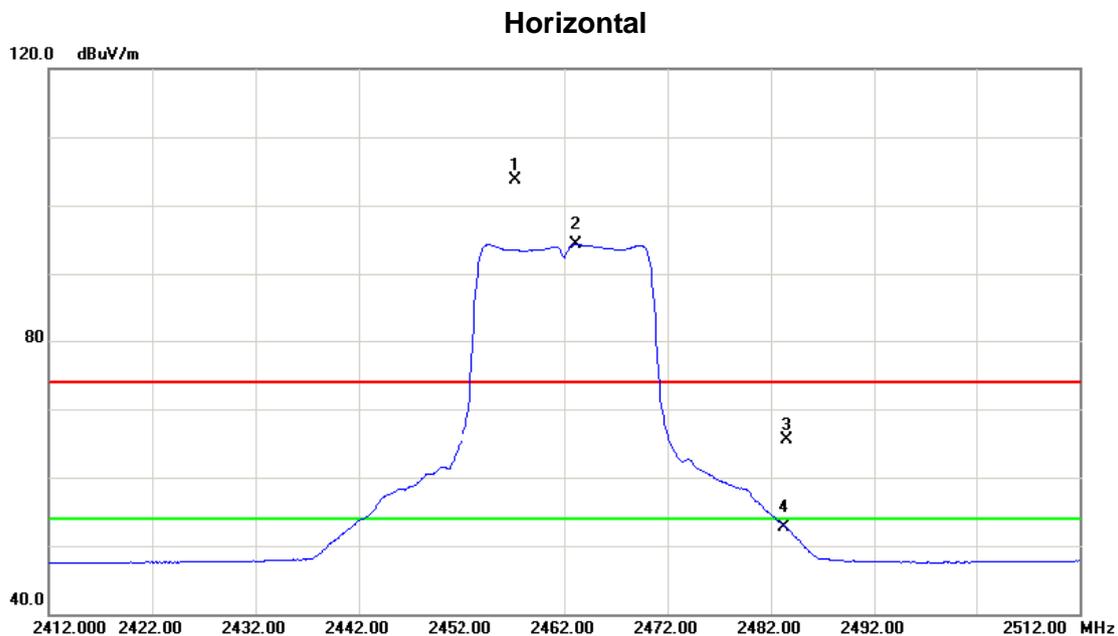
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4923.862	37.26	6.66	43.92	54.00	-10.08	AVG	
2		4924.025	47.58	6.66	54.24	74.00	-19.76	peak	



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

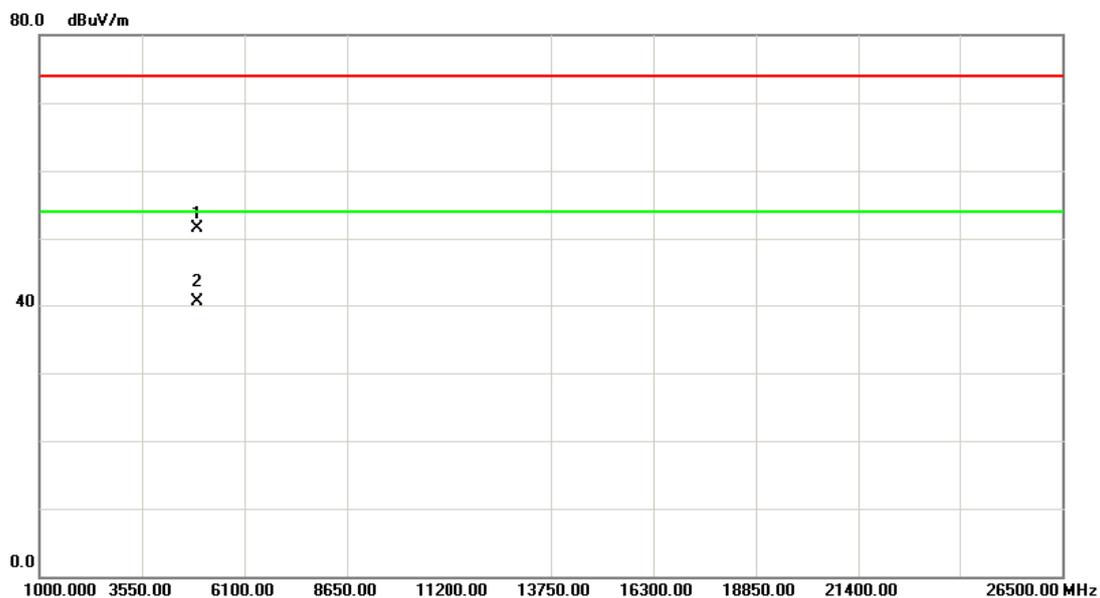


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2457.200	70.10	33.56	103.66	74.00	29.66	peak	Fundamental frequency, no limit
2	*	2463.100	60.69	33.57	94.26	54.00	40.26	AVG	Fundamental frequency, no limit
3		2483.500	31.97	33.62	65.59	74.00	-8.41	peak	
4		2483.500	19.07	33.62	52.69	54.00	-1.31	AVG	



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

**Horizontal**

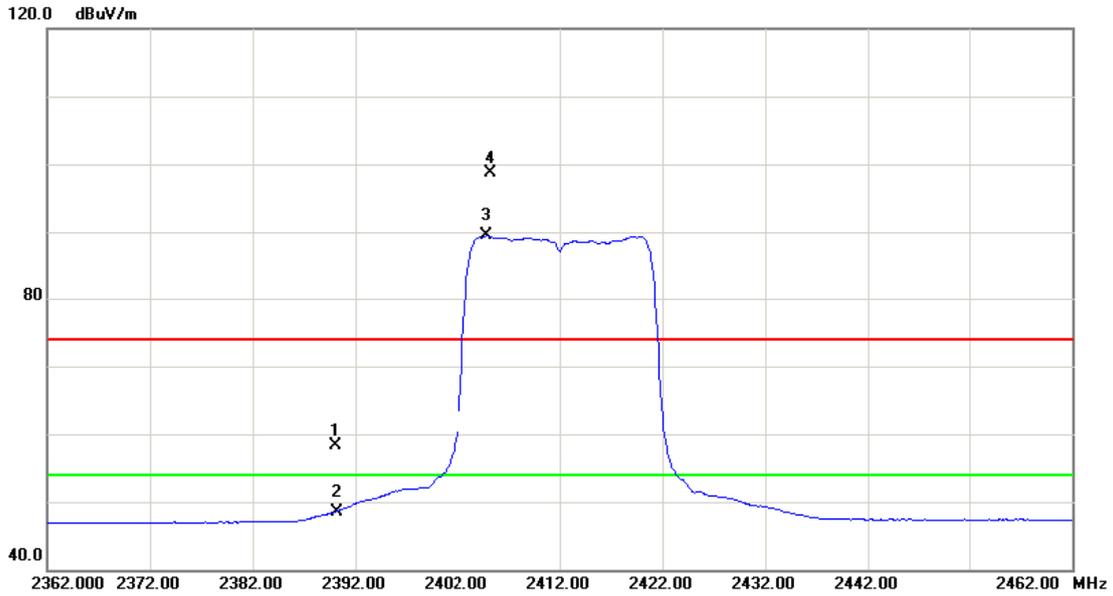


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4923.871	44.85	6.66	51.51	74.00	-22.49	peak	
2	*	4923.952	33.82	6.66	40.48	54.00	-13.52	AVG	



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

**Vertical**

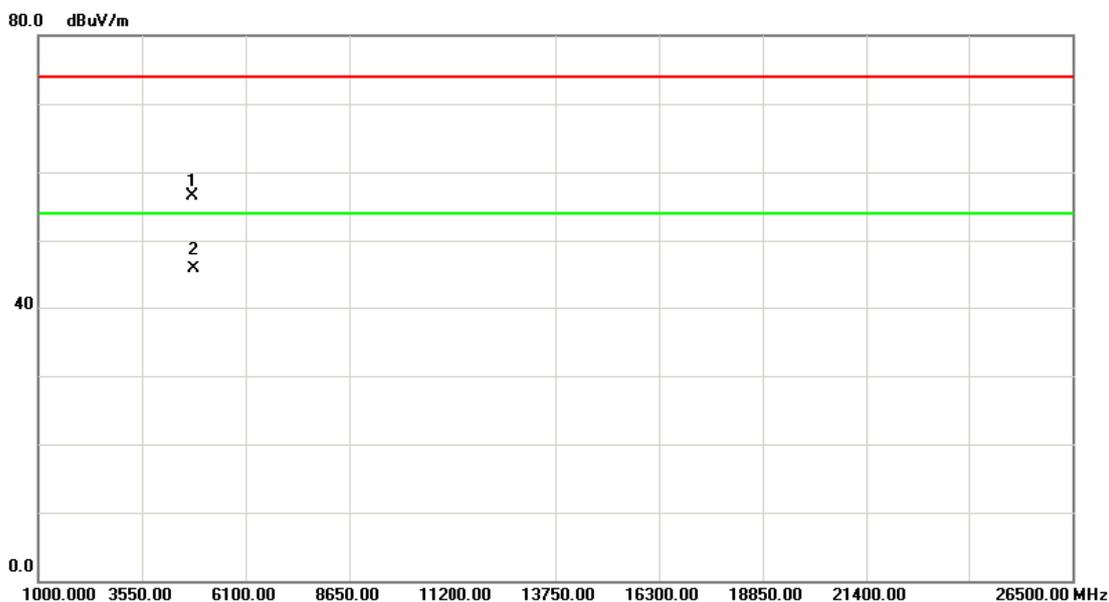


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	24.91	33.38	58.29	74.00	-15.71	peak	
2		2390.000	15.14	33.38	48.52	54.00	-5.48	AVG	
3	*	2404.900	56.00	33.42	89.42	54.00	35.42	AVG	Fundamental frequency, no limit
4	X	2405.200	65.22	33.42	98.64	74.00	24.64	peak	Fundamental frequency, no limit



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

**Vertical**

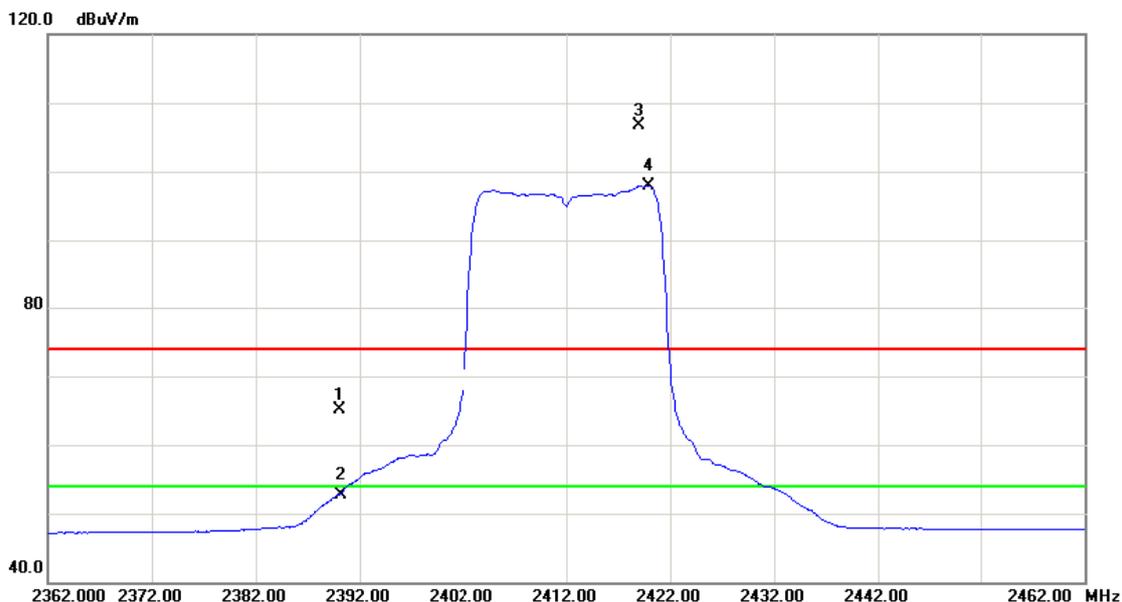


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4804.113	50.03	6.39	56.42	74.00	-17.58	peak	
2	*	4824.007	39.18	6.44	45.62	54.00	-8.38	AVG	



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

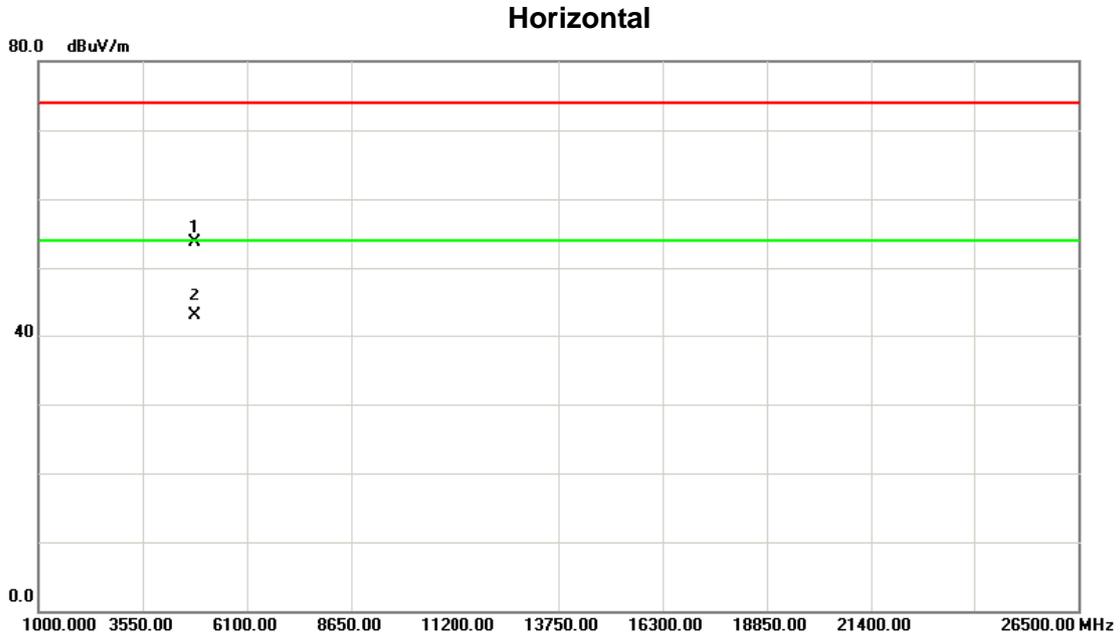
**Horizontal**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	31.64	33.38	65.02	74.00	-8.98	peak	
2		2390.000	19.42	33.38	52.80	54.00	-1.20	AVG	
3	X	2419.000	73.28	33.46	106.74	74.00	32.74	peak	Fundamental frequency, no limit
4	*	2419.900	64.50	33.46	97.96	54.00	43.96	AVG	Fundamental frequency, no limit



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

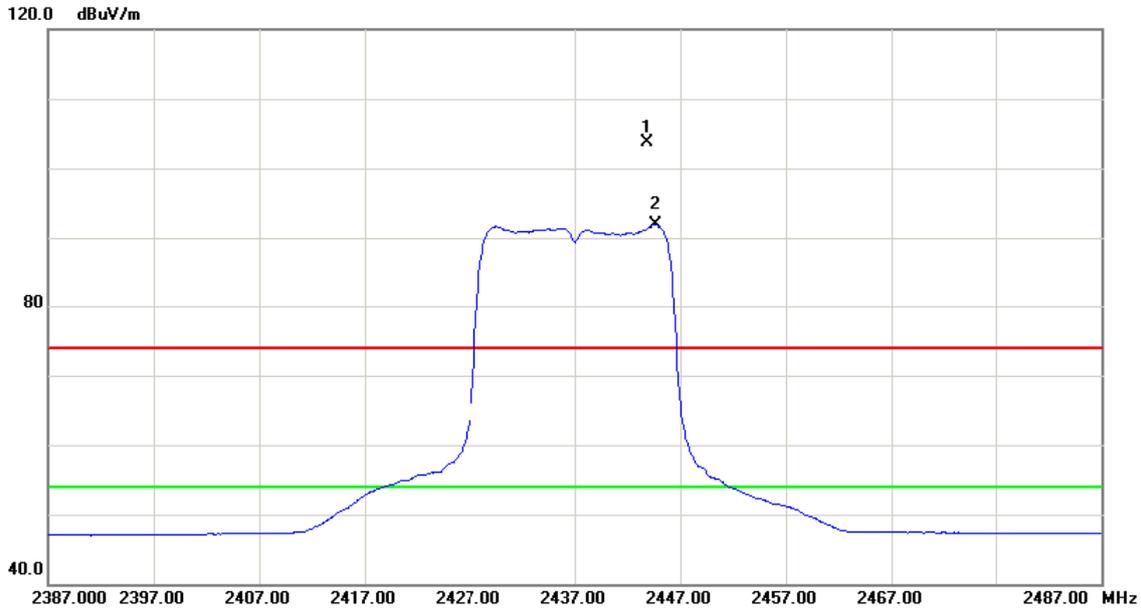


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4823.759	47.28	6.44	53.72	74.00	-20.28	peak	
2	*	4823.974	36.51	6.44	42.95	54.00	-11.05	AVG	



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

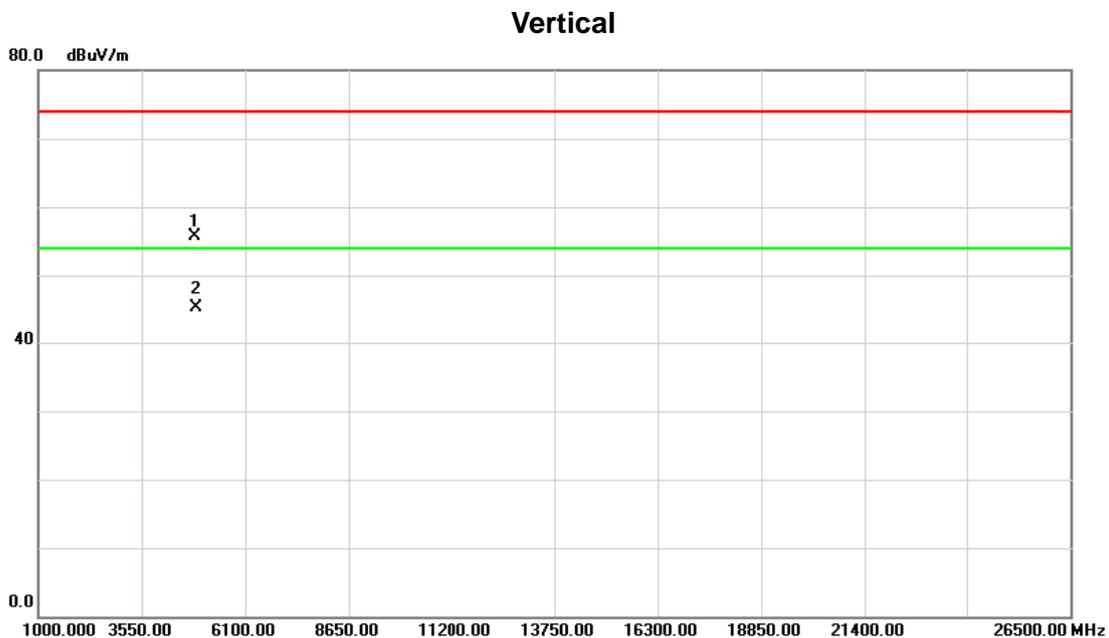
**Vertical**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2443.900	70.20	33.52	103.72	74.00	29.72	peak	Fundamental frequency, no limit
2	*	2444.600	58.41	33.52	91.93	54.00	37.93	AVG	Fundamental frequency, no limit



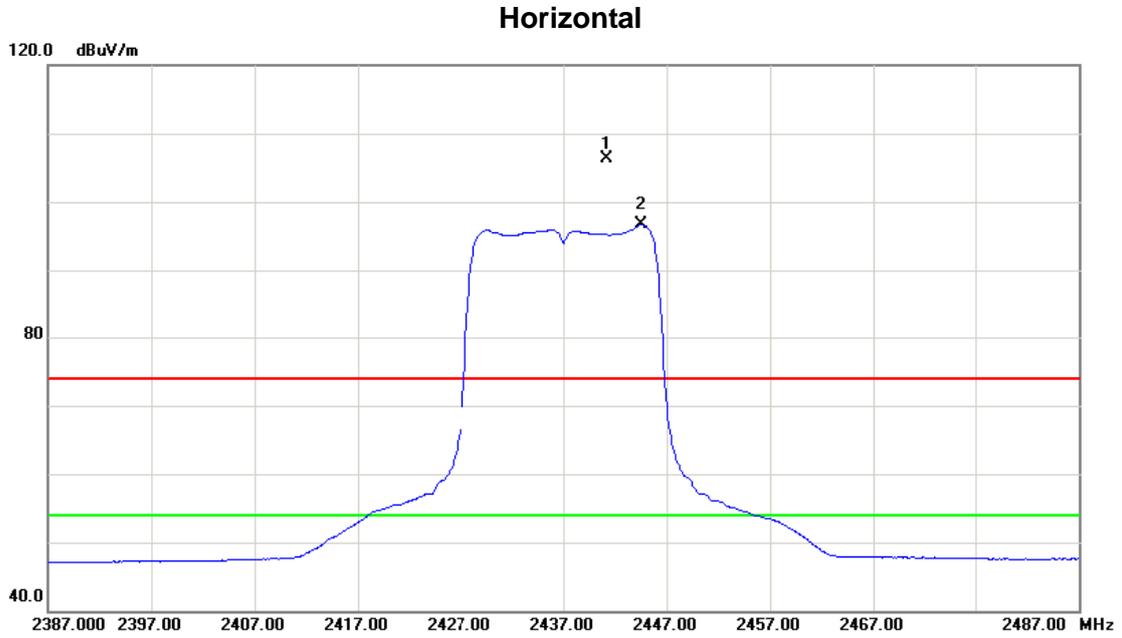
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4873.563	49.21	6.55	55.76	74.00	-18.24	peak	
2	*	4874.014	38.47	6.55	45.02	54.00	-8.98	AVG	



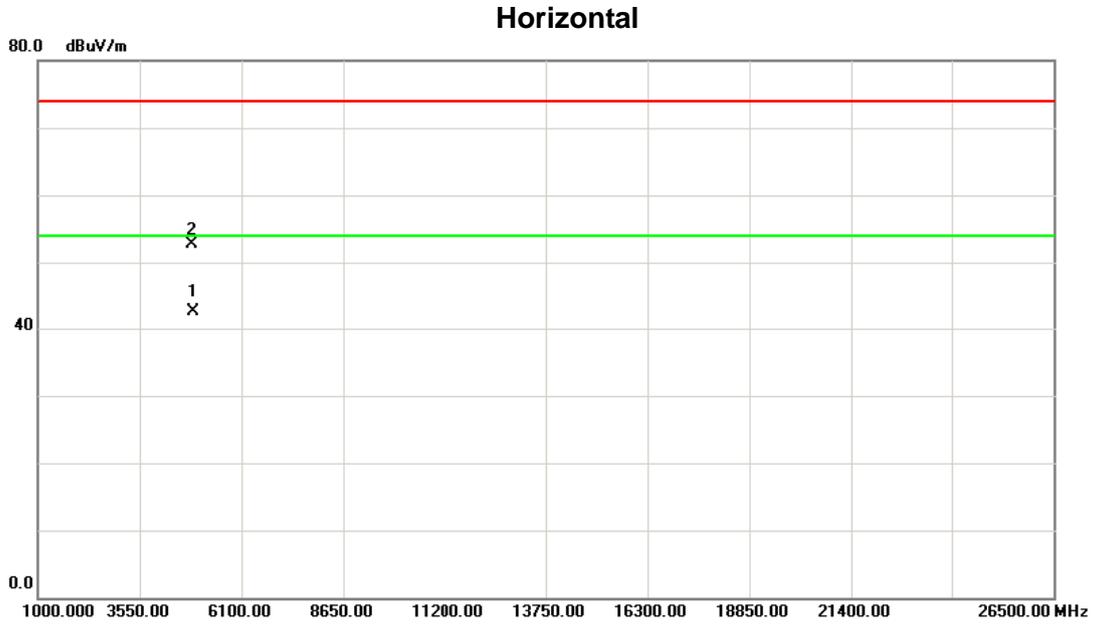
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2441.200	72.75	33.51	106.26	74.00	32.26	peak	Fundamental frequency, no limit
2	*	2444.500	63.11	33.52	96.63	54.00	42.63	AVG	Fundamental frequency, no limit



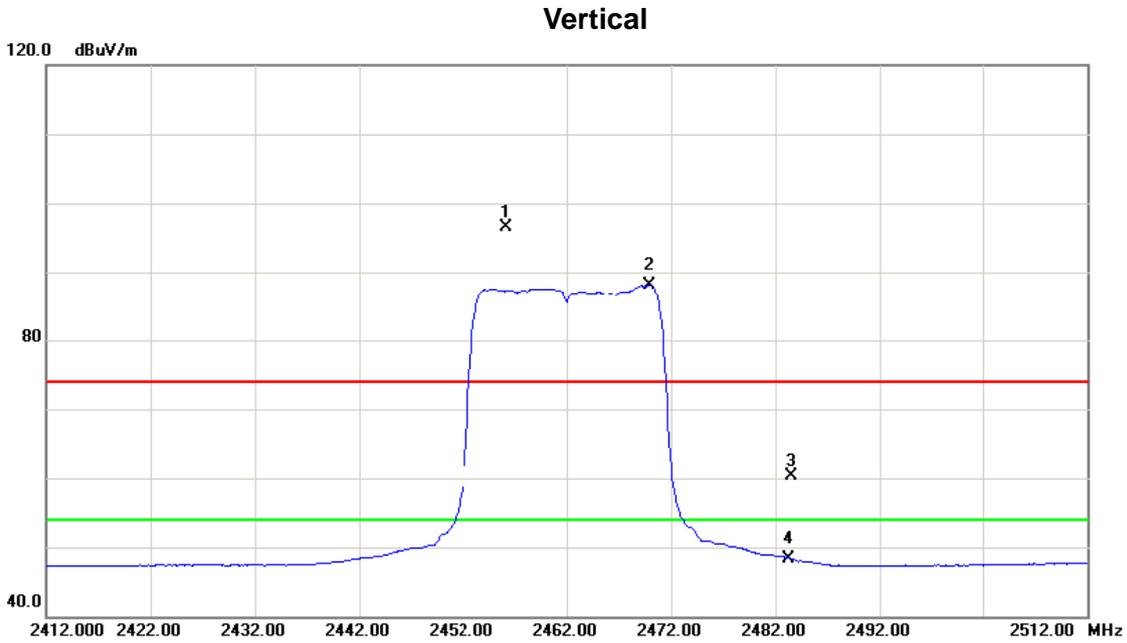
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4873.862	35.86	6.55	42.41	54.00	-11.59	AVG	
2		4874.125	46.23	6.55	52.78	74.00	-21.22	peak	



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

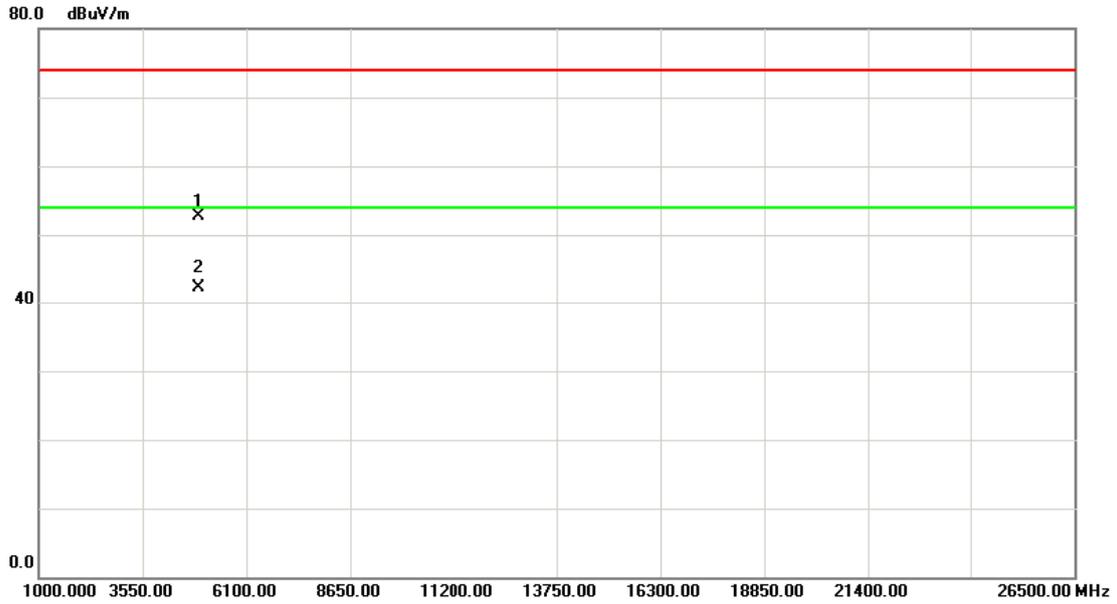


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2456.200	62.99	33.54	96.53	74.00	22.53	peak	Fundamental frequency, no limit
2	*	2469.900	54.53	33.59	88.12	54.00	34.12	AVG	Fundamental frequency, no limit
3		2483.500	26.71	33.62	60.33	74.00	-13.67	peak	
4		2483.500	14.77	33.62	48.39	54.00	-5.61	AVG	



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

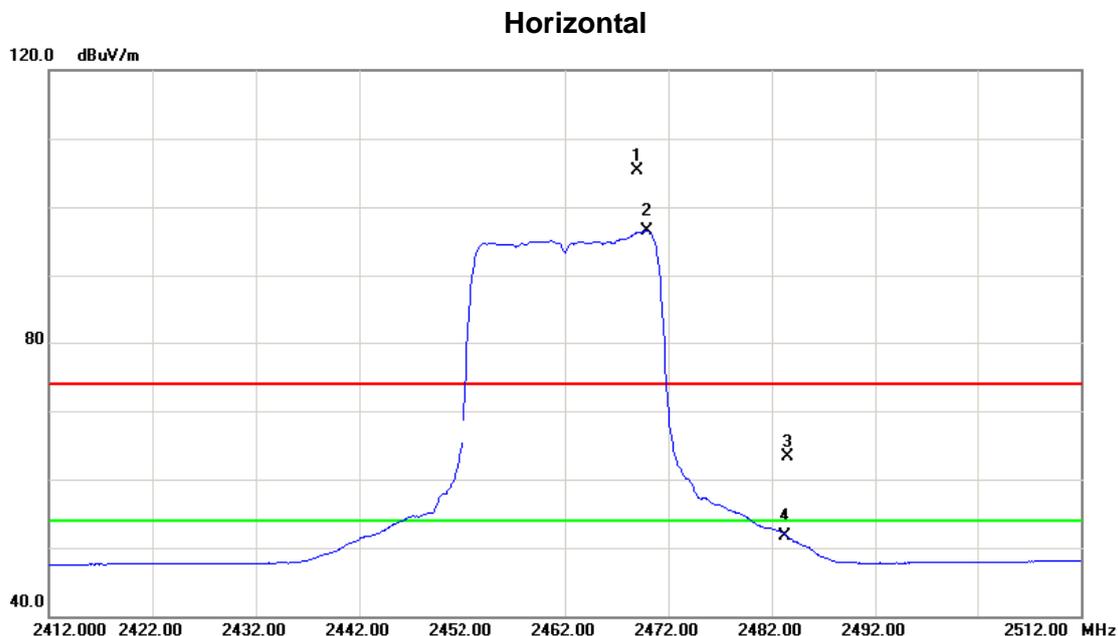
**Vertical**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4923.236	46.10	6.66	52.76	74.00	-21.24	peak	
2	*	4923.562	35.36	6.66	42.02	54.00	-11.98	AVG	



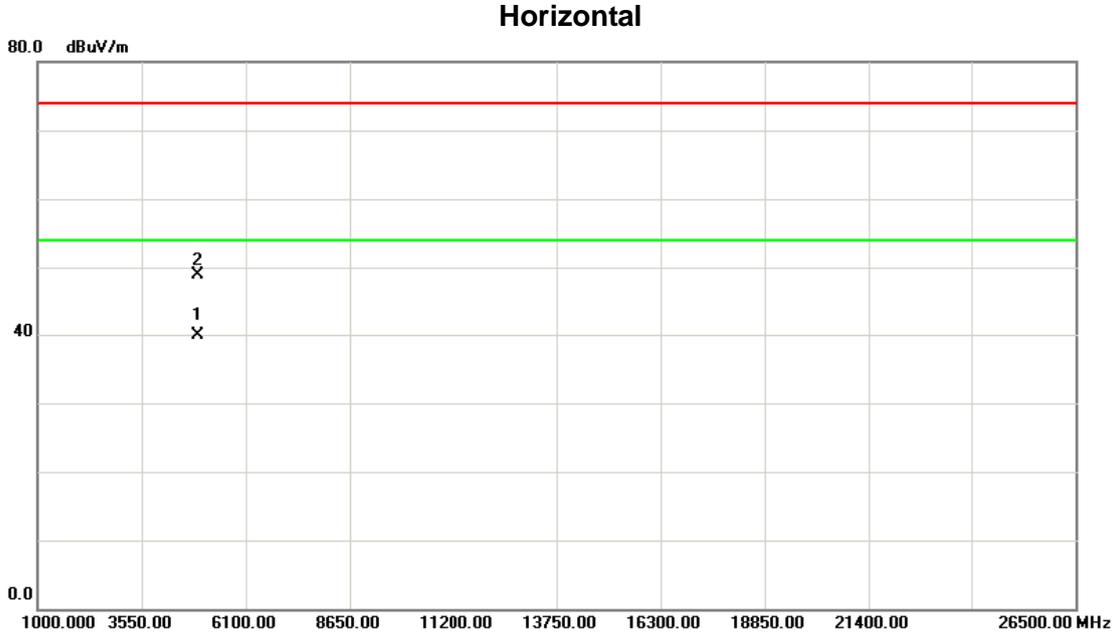
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2469.000	71.69	33.59	105.28	74.00	31.28	peak	Fundamental frequency, no limit
2	*	2469.900	62.98	33.59	96.57	54.00	42.57	AVG	Fundamental frequency, no limit
3		2483.500	29.63	33.62	63.25	74.00	-10.75	peak	
4		2483.500	18.10	33.62	51.72	54.00	-2.28	AVG	



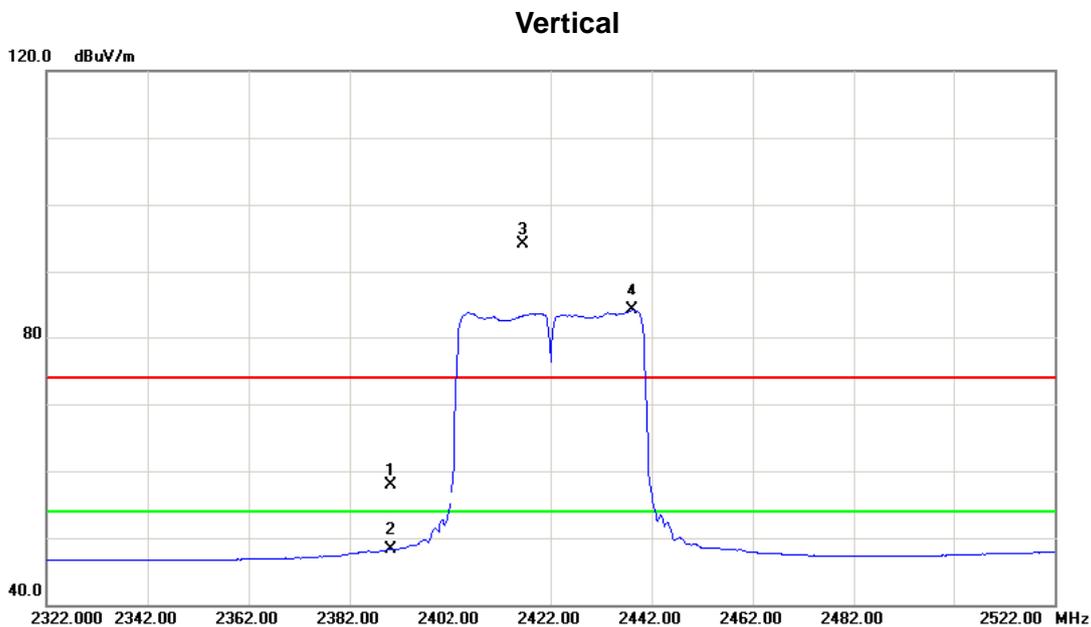
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4923.724	33.23	6.66	39.89	54.00	-14.11	AVG	
2		4924.008	42.15	6.66	48.81	74.00	-25.19	peak	



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

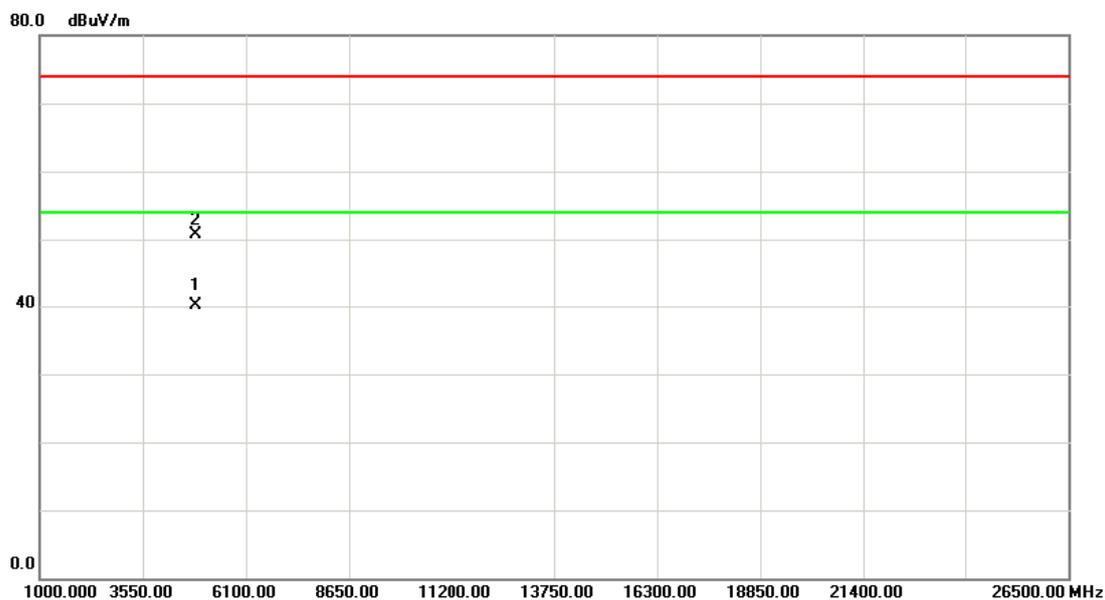


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	24.45	33.38	57.83	74.00	-16.17	peak	
2		2390.000	14.91	33.38	48.29	54.00	-5.71	AVG	
3	X	2416.400	60.75	33.45	94.20	74.00	20.20	peak	Fundamental frequency, no limit
4	*	2438.200	50.55	33.50	84.05	54.00	30.05	AVG	Fundamental frequency, no limit



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

**Vertical**

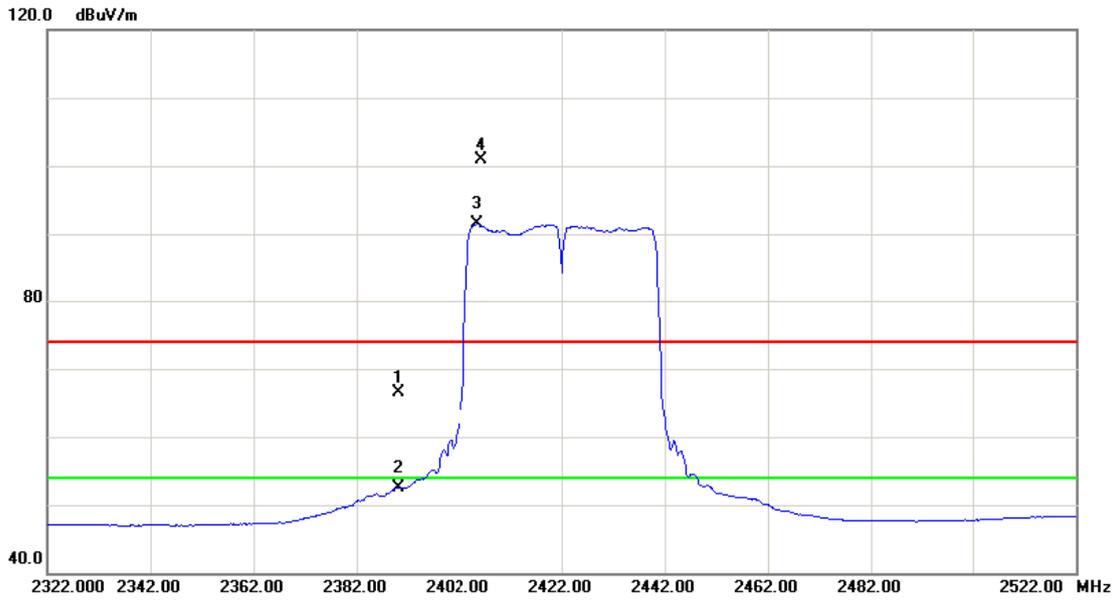


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4843.892	33.67	6.48	40.15	54.00	-13.85	AVG	
2		4844.127	44.28	6.48	50.76	74.00	-23.24	peak	



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

**Horizontal**

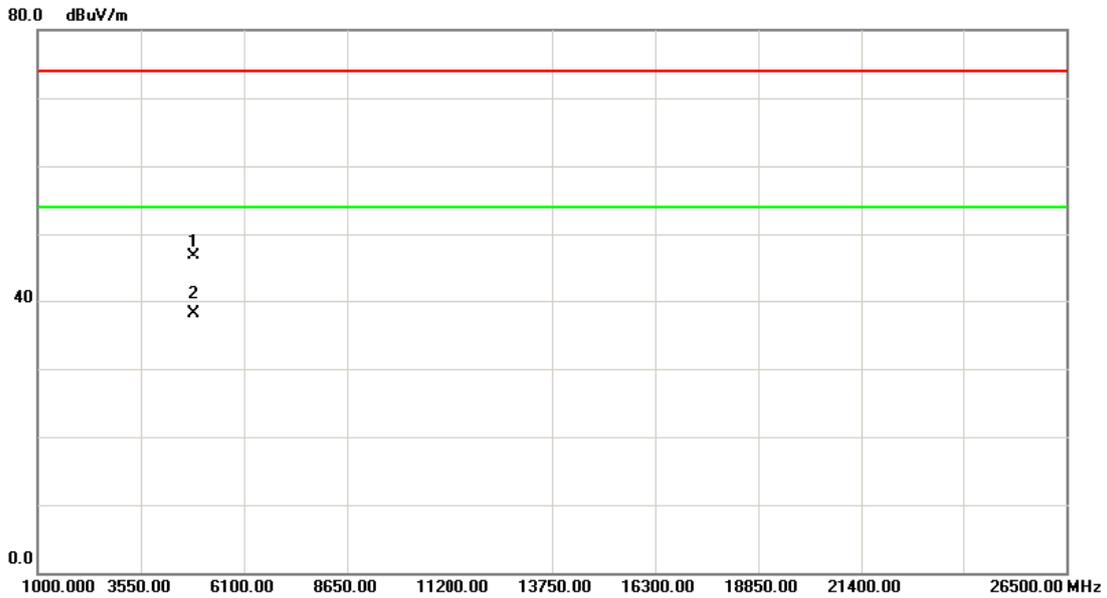


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	33.04	33.38	66.42	74.00	-7.58	peak	
2		2390.000	19.10	33.38	52.48	54.00	-1.52	AVG	
3	*	2405.600	58.00	33.42	91.42	54.00	37.42	AVG	Fundamental frequency, no limit
4	X	2406.400	67.57	33.43	101.00	74.00	27.00	peak	Fundamental frequency, no limit



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

**Horizontal**

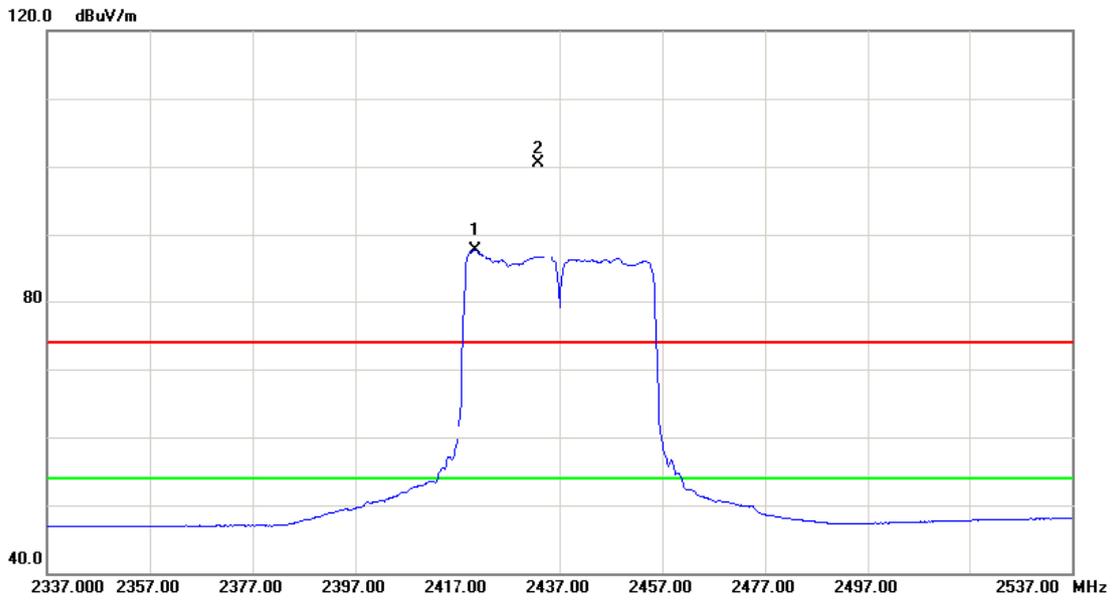


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4843.874	40.24	6.48	46.72	74.00	-27.28	peak	
2	*	4844.004	31.56	6.48	38.04	54.00	-15.96	AVG	



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

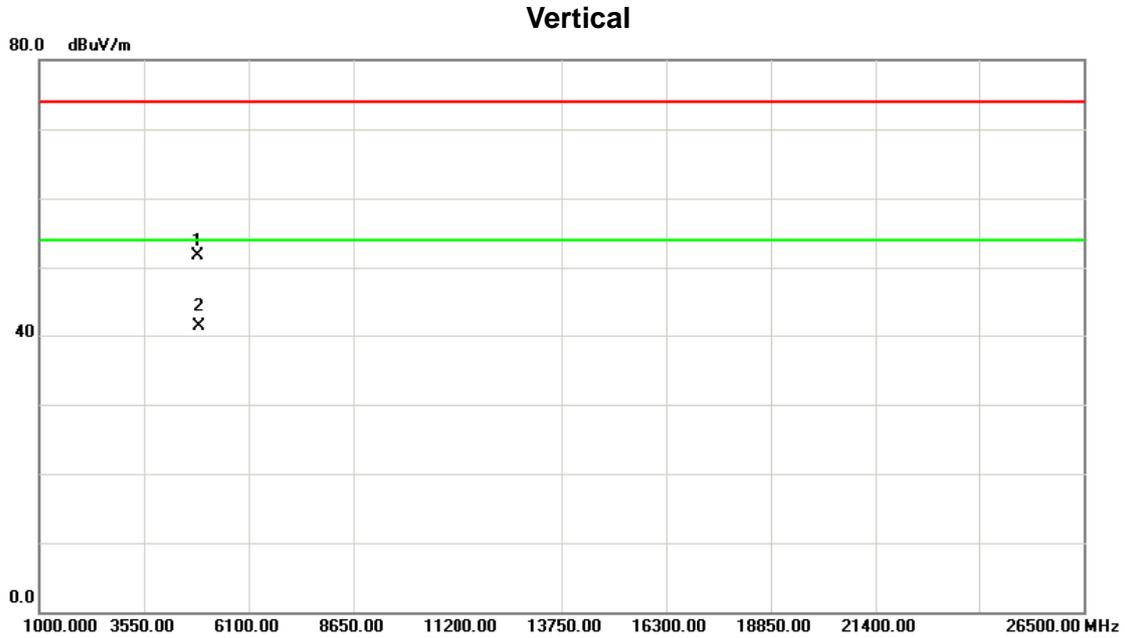
**Vertical**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2420.600	54.25	33.46	87.71	54.00	33.71	AVG	Fundamental frequency, no limit
2	X	2432.800	67.04	33.49	100.53	74.00	26.53	peak	Fundamental frequency, no limit



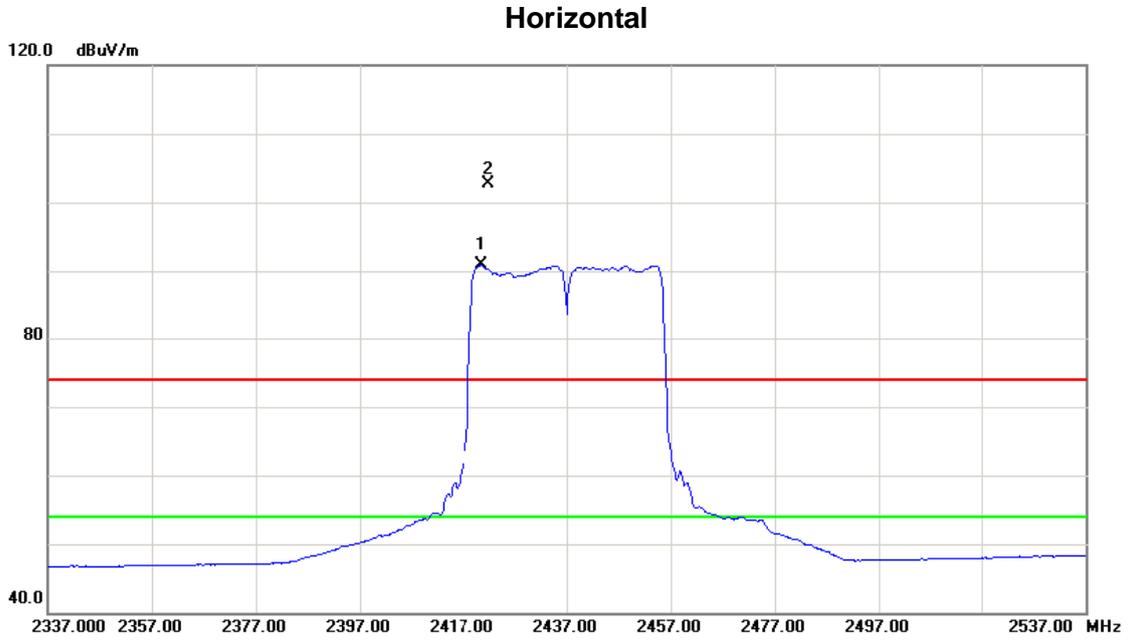
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.289	45.23	6.55	51.78	74.00	-22.22	peak	
2	*	4874.567	34.78	6.55	41.33	54.00	-12.67	AVG	



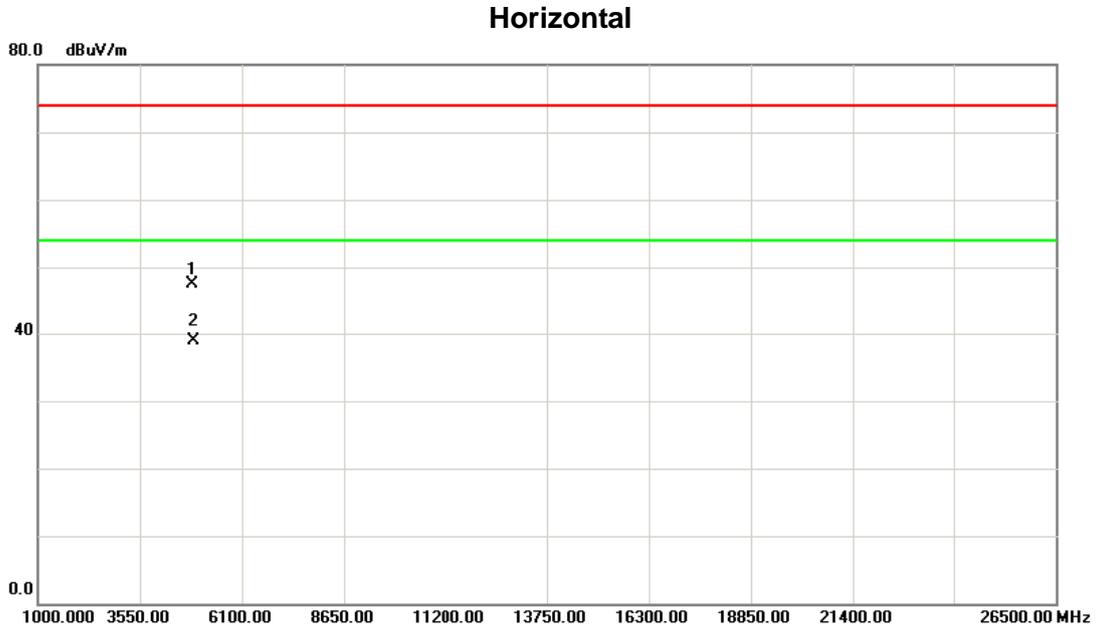
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2420.600	57.37	33.46	90.83	54.00	36.83	AVG	Fundamental frequency, no limit
2	X	2421.800	69.21	33.47	102.68	74.00	28.68	peak	Fundamental frequency, no limit



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

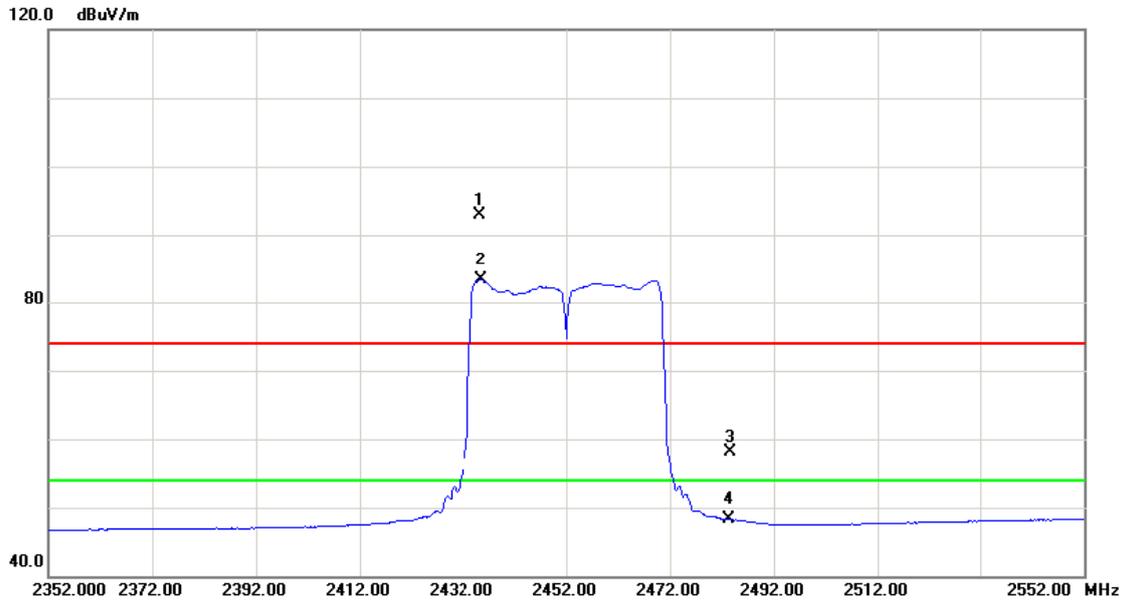


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4873.674	40.96	6.55	47.51	74.00	-26.49	peak	
2 *	4874.213	32.39	6.55	38.94	54.00	-15.06	AVG	



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

**Vertical**

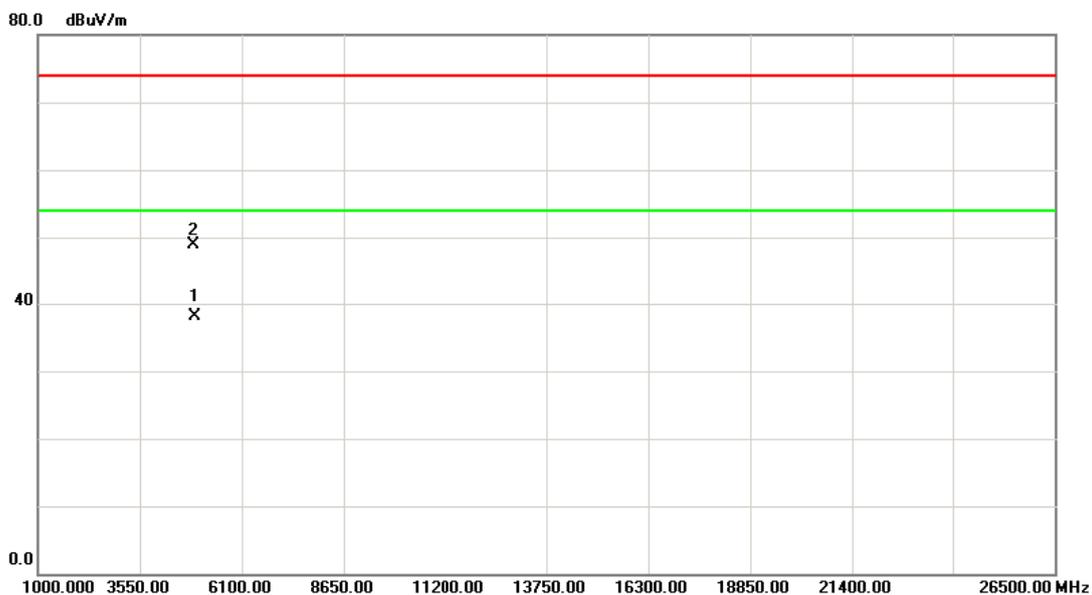


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2435.200	59.38	33.50	92.88	74.00	18.88	peak	Fundamental frequency, no limit
2	*	2435.600	49.78	33.50	83.28	54.00	29.28	AVG	Fundamental frequency, no limit
3		2483.500	24.48	33.62	58.10	74.00	-15.90	peak	
4		2483.500	14.64	33.62	48.26	54.00	-5.74	AVG	



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

**Vertical**

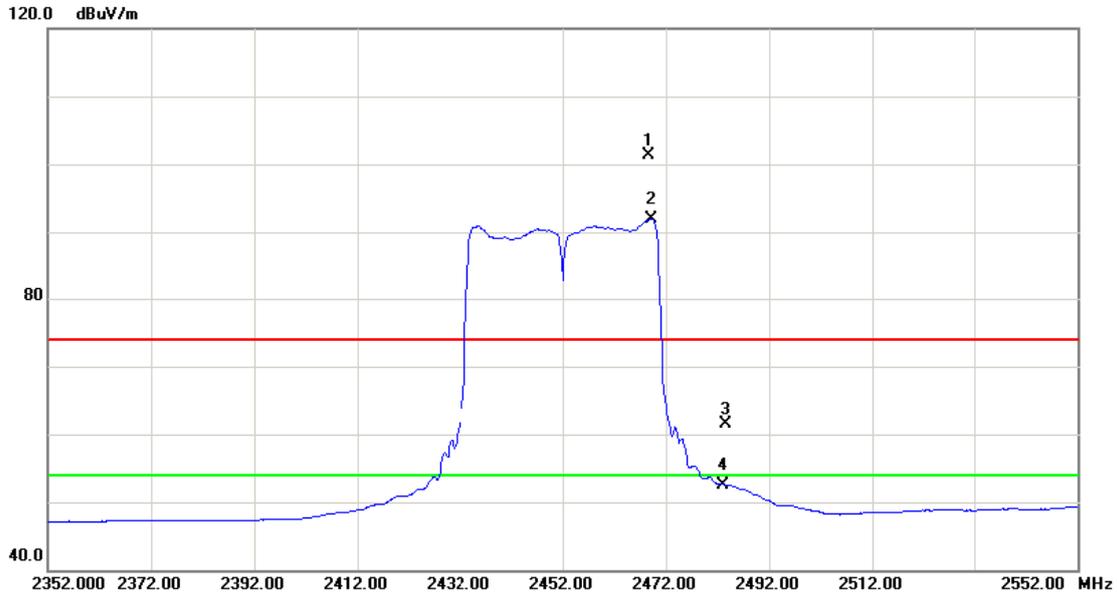


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4903.759	31.47	6.61	38.08	54.00	-15.92	AVG	
2		4904.652	42.28	6.61	48.89	74.00	-25.11	peak	



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

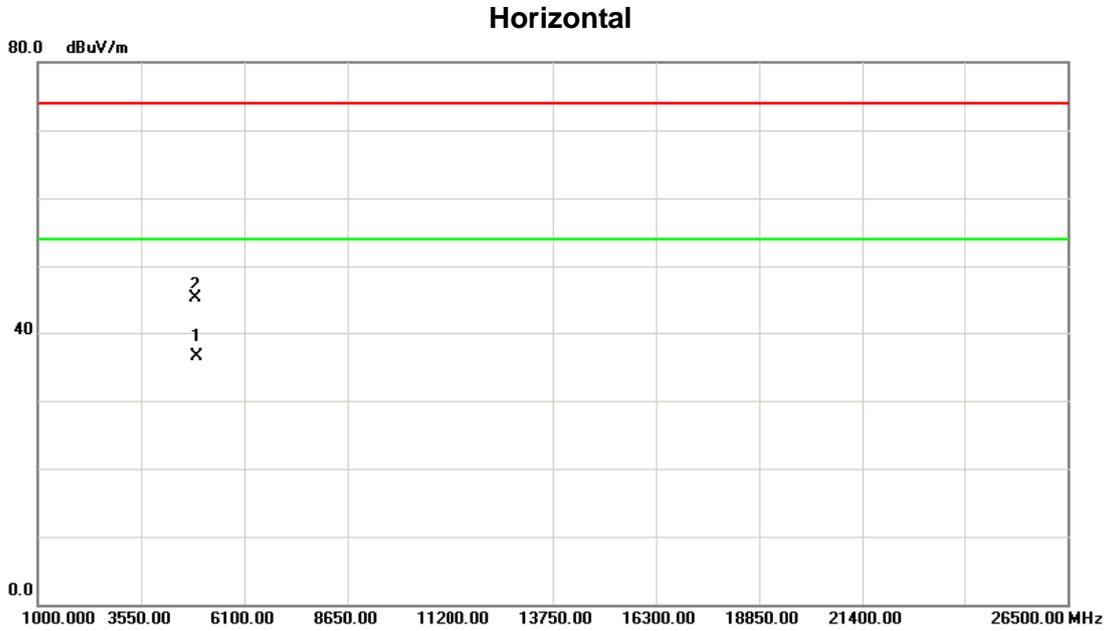
**Horizontal**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2468.600	67.63	33.58	101.21	74.00	27.21	peak	Fundamental frequency, no limit
2	*	2469.200	58.32	33.59	91.91	54.00	37.91	AVG	Fundamental frequency, no limit
3		2483.500	27.97	33.62	61.59	74.00	-12.41	peak	
4		2483.500	18.94	33.62	52.56	54.00	-1.44	AVG	



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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4904.148	29.83	6.61	36.44	54.00	-17.56	AVG	
2		4904.231	38.40	6.61	45.01	74.00	-28.99	peak	

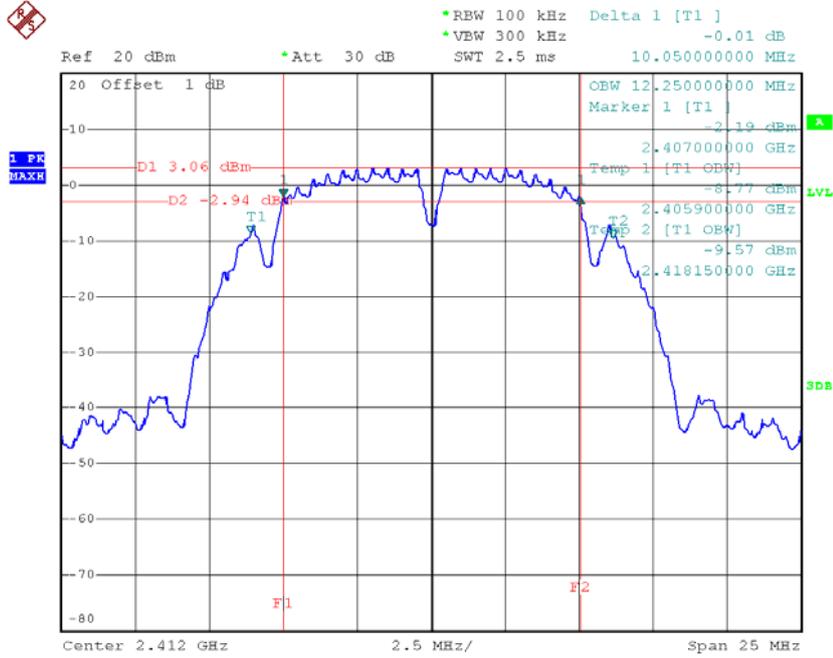


## **ATTACHMENT E - BANDWIDTH**



Test Mode : TX B Mode\_CH01/06/11

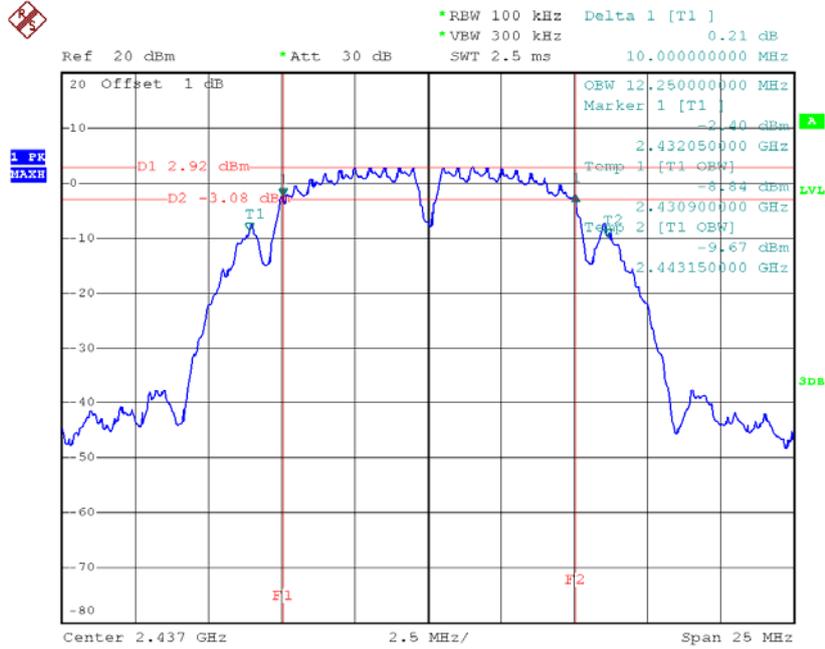
TX CH 01



Date: 20.JUN.2014 01:37:18

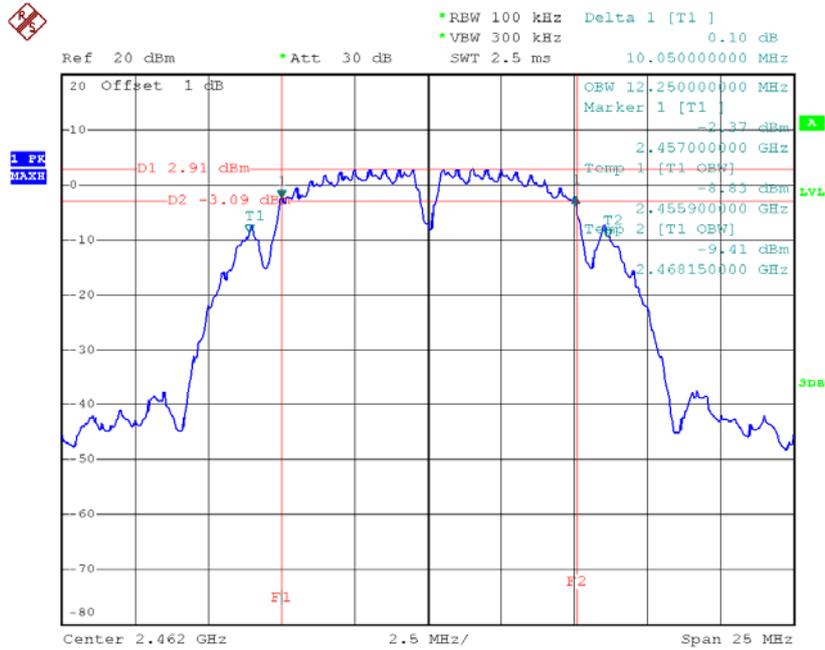


### TX CH 06



Date: 20.JUN.2014 01:50:44

### TX CH 11

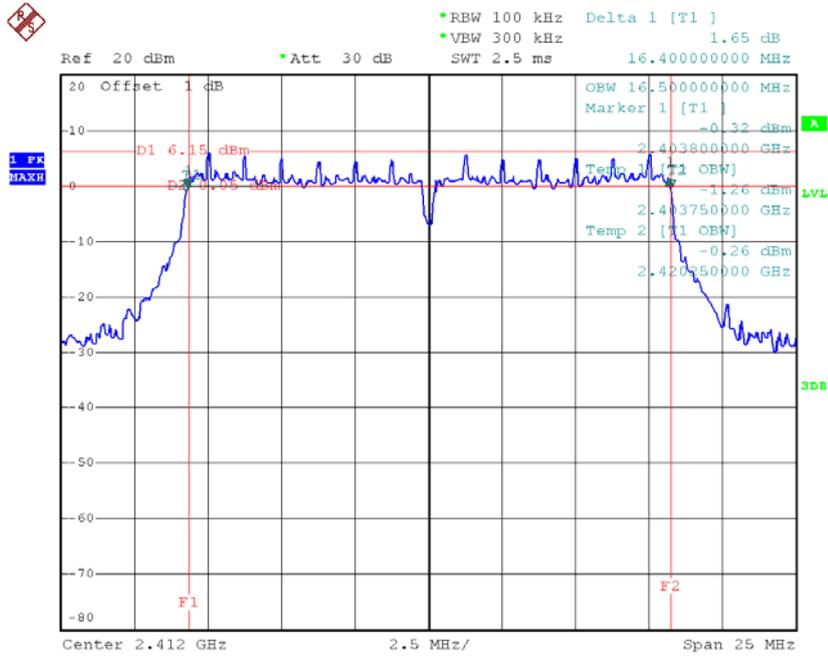


Date: 20.JUN.2014 01:58:37



Test Mode: TX G Mode\_CH01/06/11

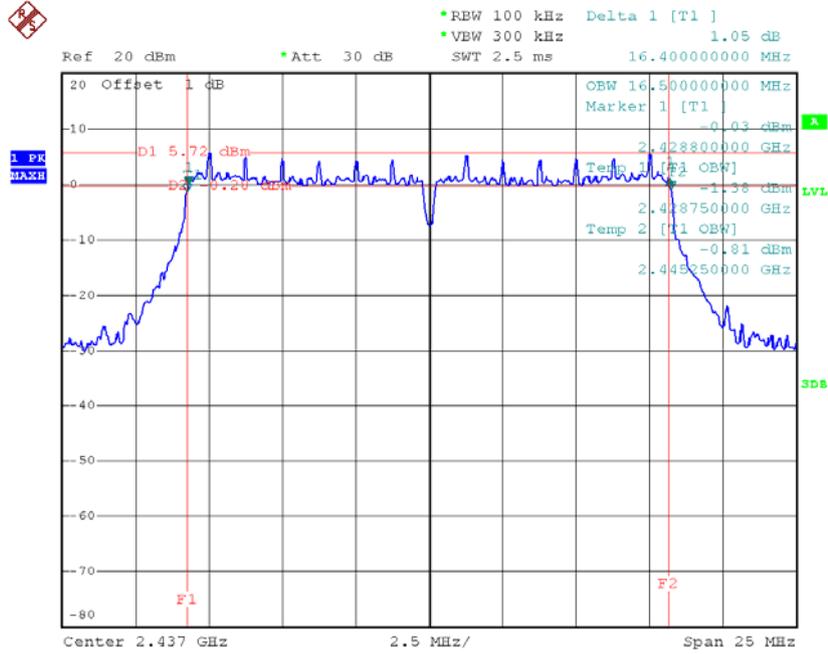
TX CH 01



Date: 20.JUN.2014 02:00:23

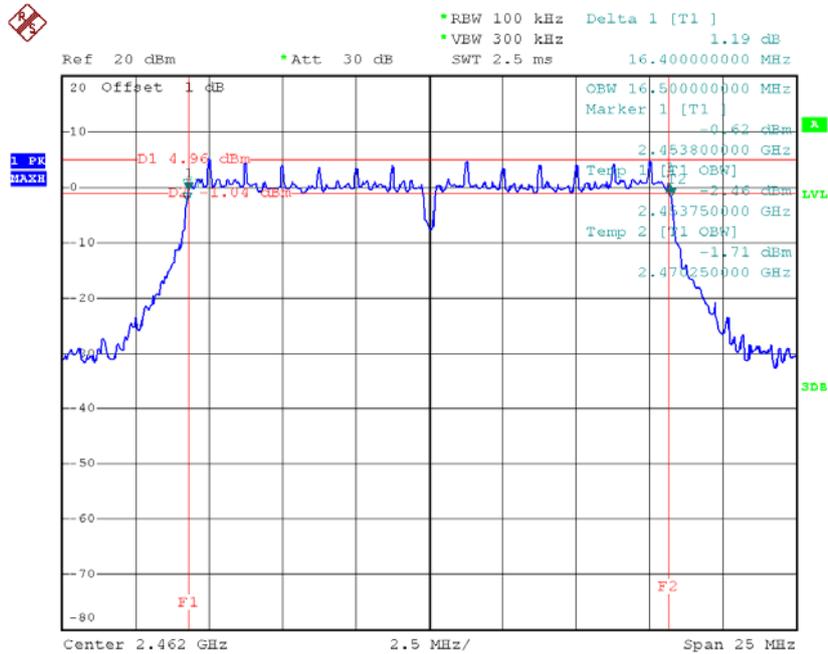


### TX CH 06



Date: 20.JUN.2014 02:03:34

### TX CH 11

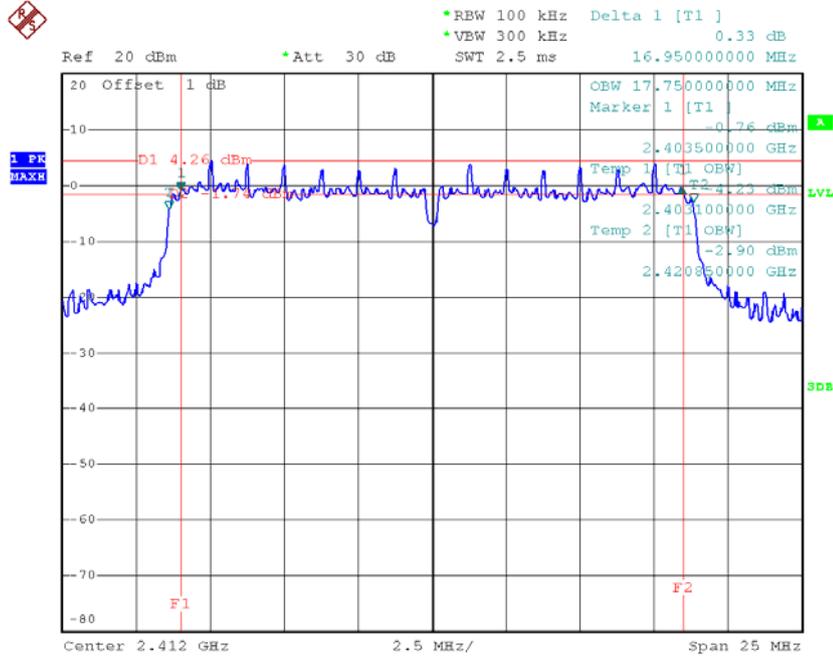


Date: 20.JUN.2014 02:06:35



Test Mode : TX N-20MHz Mode\_CH01/06/11\_ANT 1

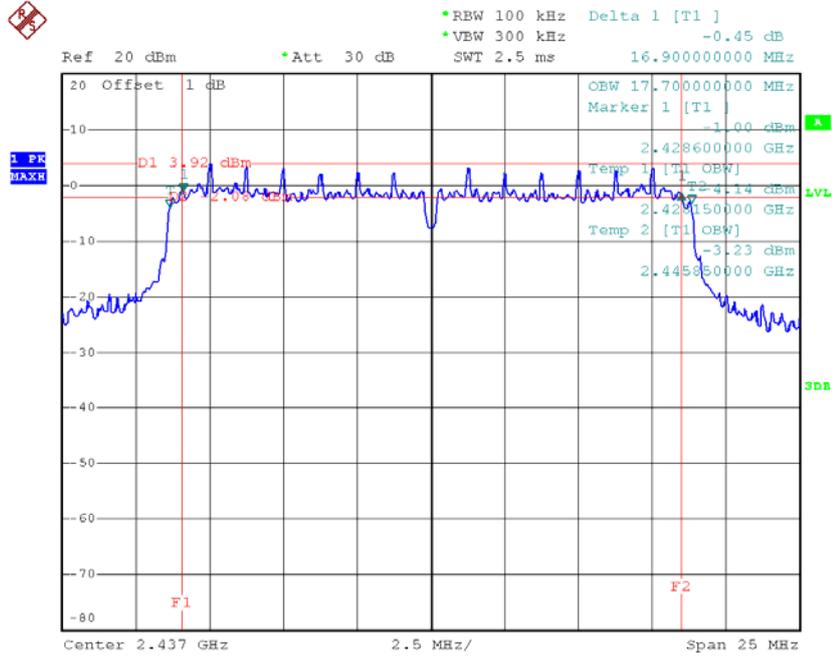
TX CH 01



Date: 20.JUN.2014 02:18:38

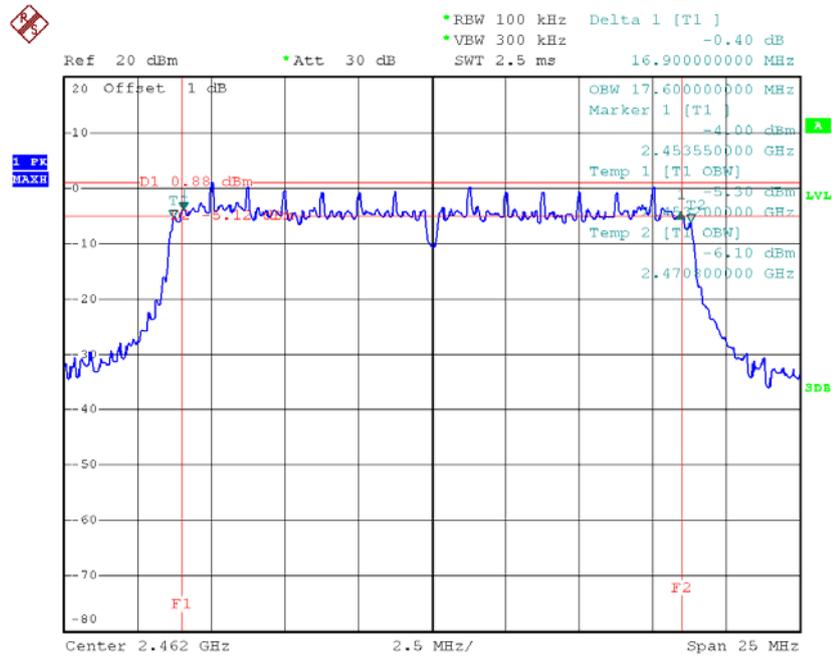


### TX CH 06



Date: 20.JUN.2014 02:23:13

### TX CH 11

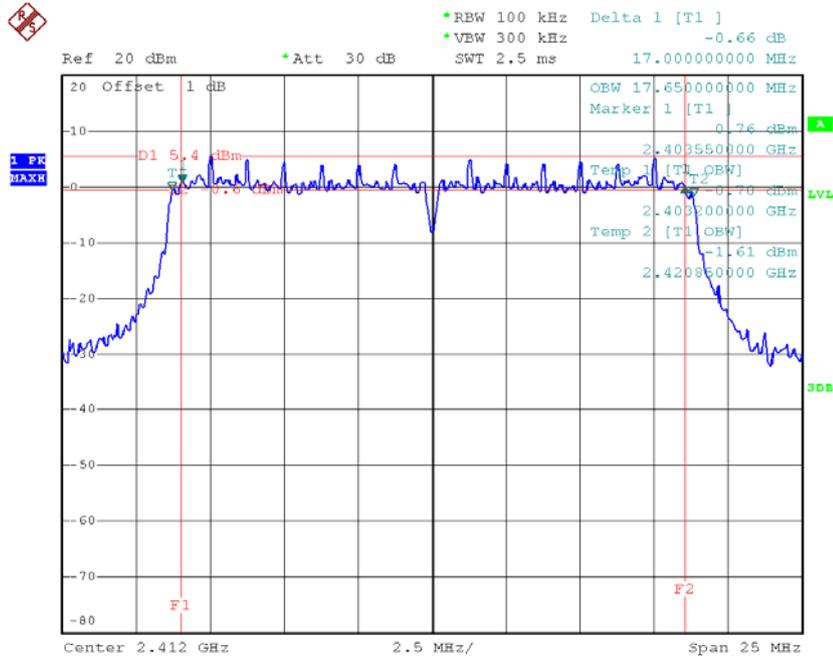


Date: 20.JUN.2014 02:32:52



Test Mode : TX N-20MHz Mode\_CH01/06/11\_ANT 2

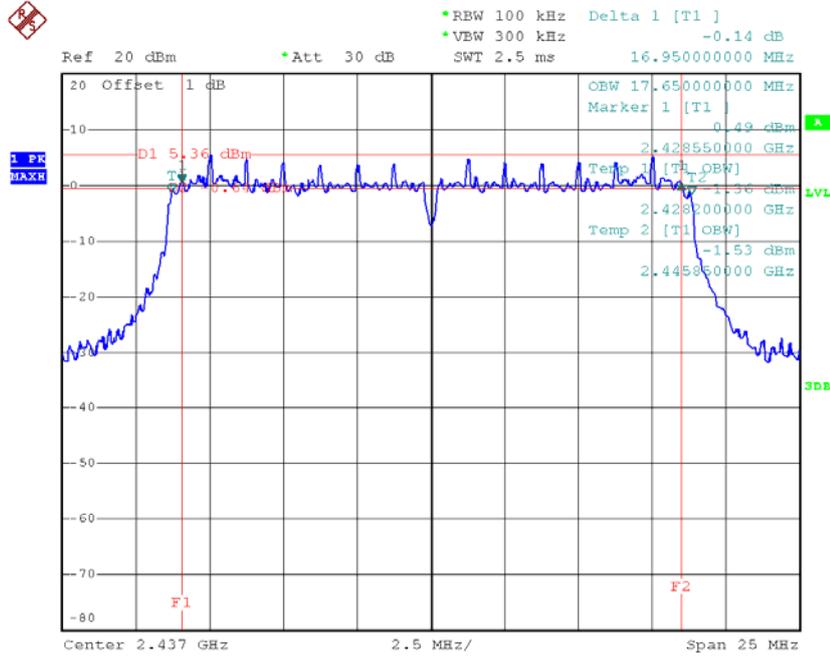
**TX CH 01**



Date: 20.JUN.2014 02:12:23

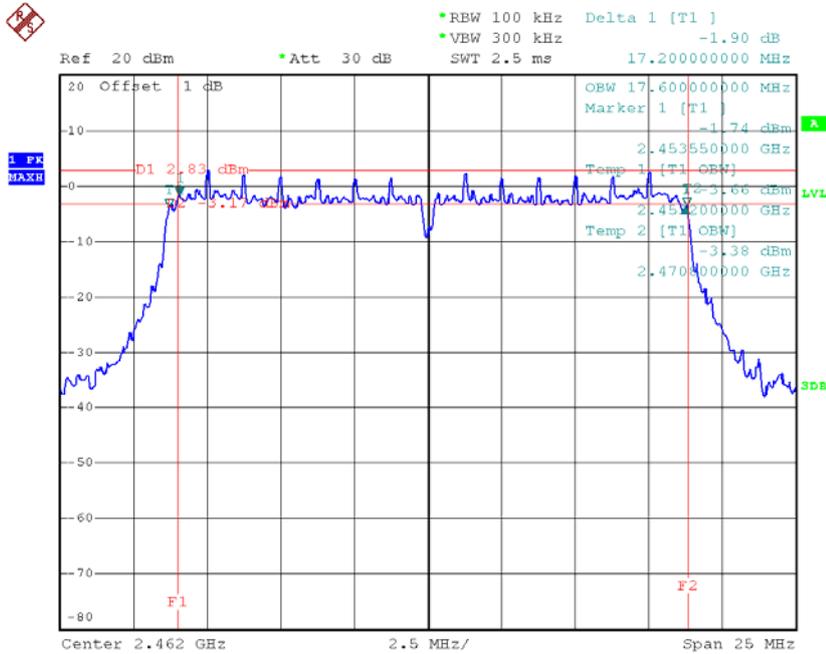


### TX CH 06



Date: 20.JUN.2014 02:25:48

### TX CH 11

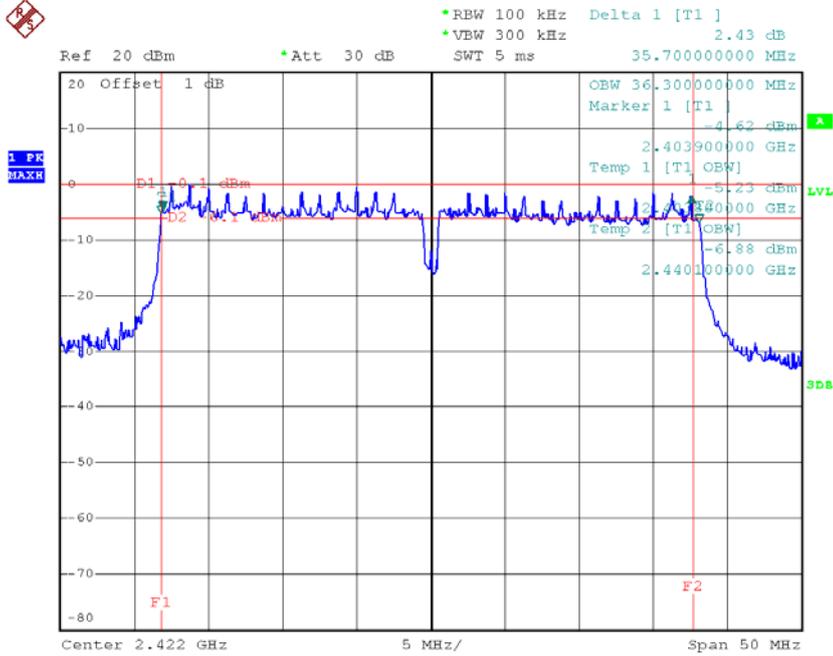


Date: 20.JUN.2014 02:28:57



Test Mode : TX N-40MHz Mode\_CH03/06/09\_ANT 1

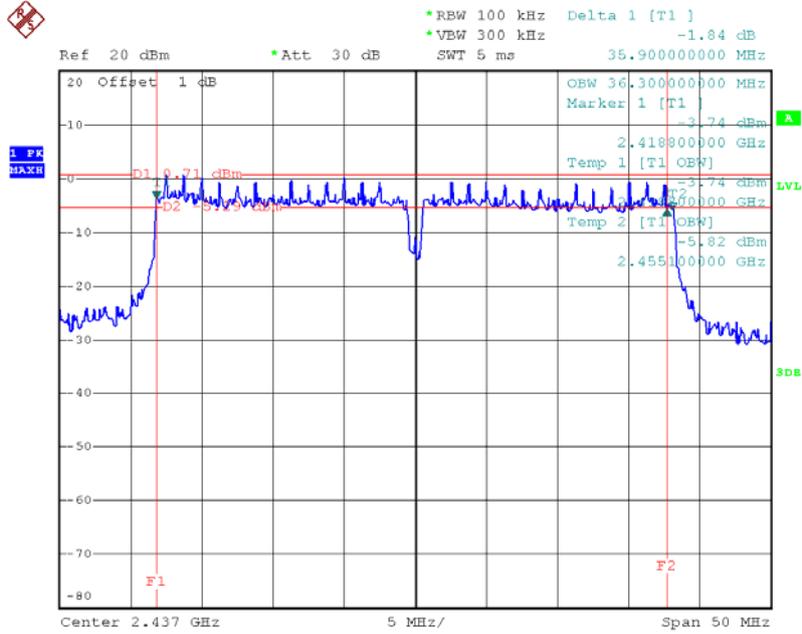
TX CH 03



Date: 20.JUN.2014 02:36:40

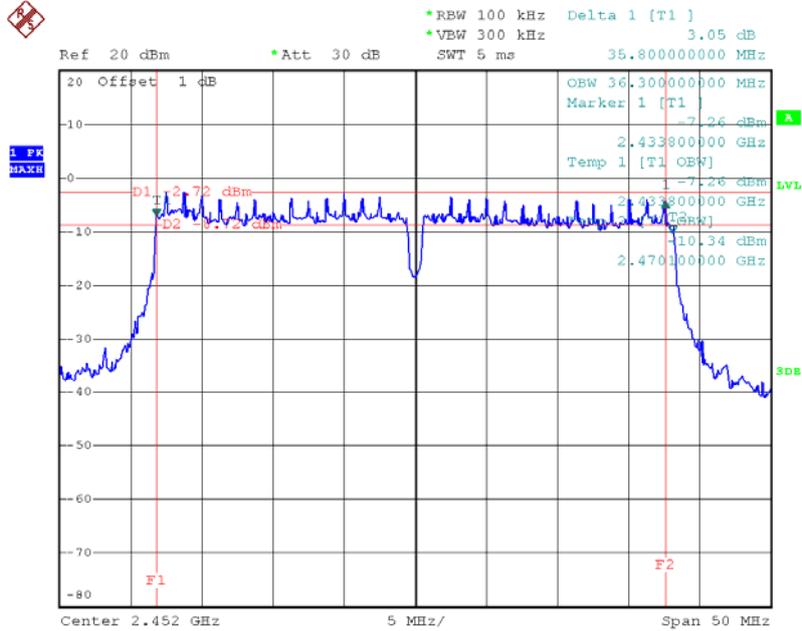


**TX CH 06**



Date: 20.JUN.2014 02:46:10

**TX CH 09**

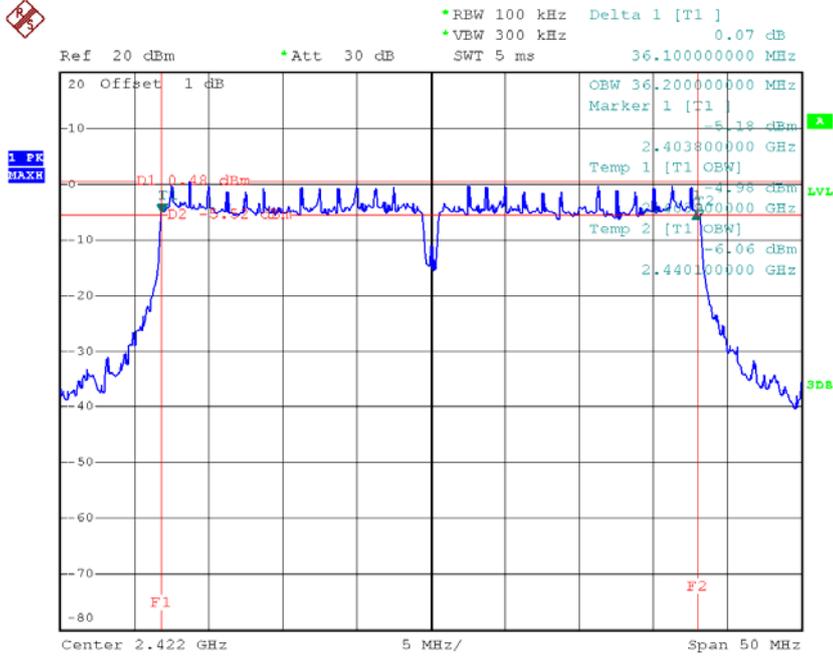


Date: 20.JUN.2014 02:48:55



Test Mode : TX N-40MHz Mode\_CH03/06/09\_ANT 2

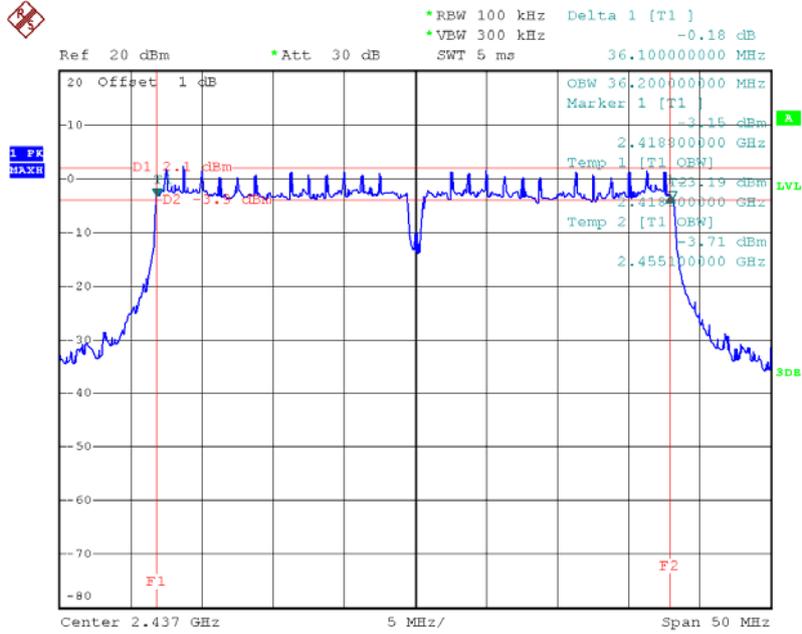
TX CH 03



Date: 20.JUN.2014 02:40:03

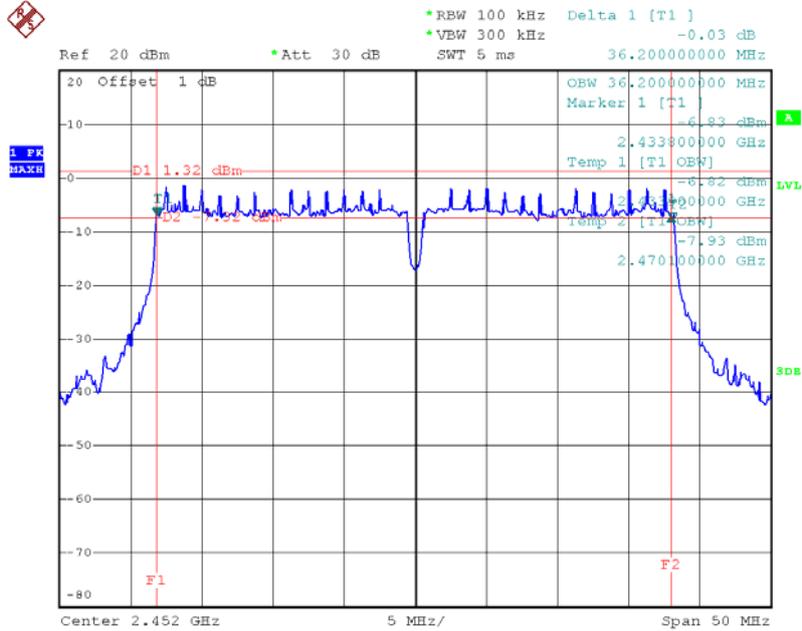


### TX CH 06



Date: 20.JUN.2014 02:43:43

### TX CH 09



Date: 20.JUN.2014 02:52:58



**ATTACHMENT F - MAXIMUM OUTPUT POWER**



<b>Test Mode : TX B Mode</b>				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	17.25	30	1
CH06	2437	17.07	30	1
CH11	2462	17.10	30	1

<b>Test Mode : TX G Mode</b>				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	17.58	30	1
CH06	2437	19.27	30	1
CH11	2462	19.21	30	1



<b>Test Mode : TX N-20M Mode_ANT 1</b>				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	22.96	30	1
CH06	2437	22.13	30	1
CH11	2462	19.34	30	1

<b>Test Mode : TX N-20M Mode_ANT 2</b>				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	23.19	30	1
CH06	2437	22.81	30	1
CH11	2462	20.46	30	1

<b>Test Mode : TX N-20M Mode_Total</b>				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	26.09	30	1
CH06	2437	25.49	30	1
CH11	2462	22.95	30	1



**Test Mode : TX N-40M Mode\_ANT 1**

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	20.94	30	1
CH06	2437	21.93	30	1
CH09	2452	18.61	30	1

**Test Mode : TX N-40M Mode\_ANT 2**

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	20.98	30	1
CH06	2437	22.58	30	1
CH09	2452	19.28	30	1

**Test Mode : TX N-40M Mode\_Total**

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	23.97	30	1
CH06	2437	25.28	30	1
CH09	2452	21.97	30	1

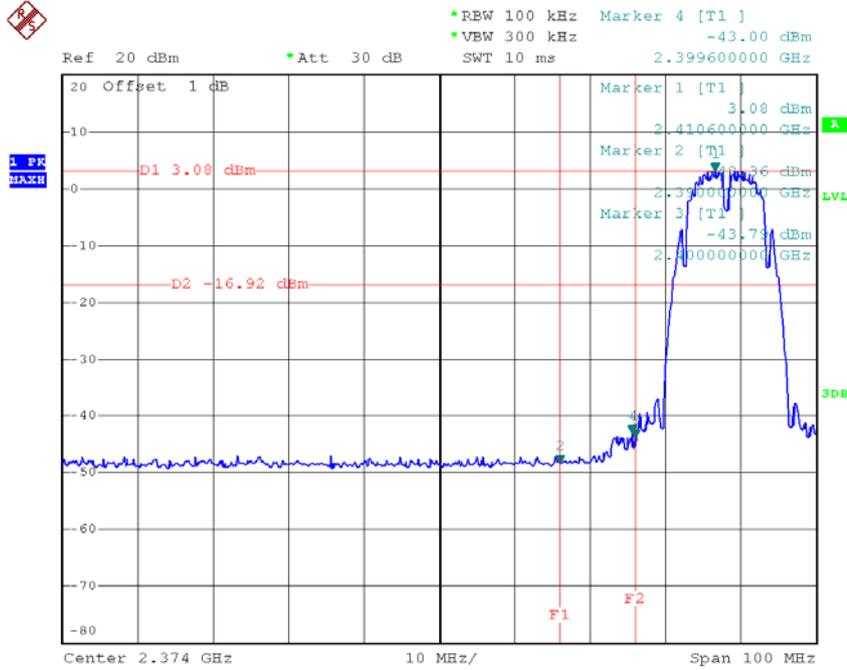


**ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS  
EMISSION**



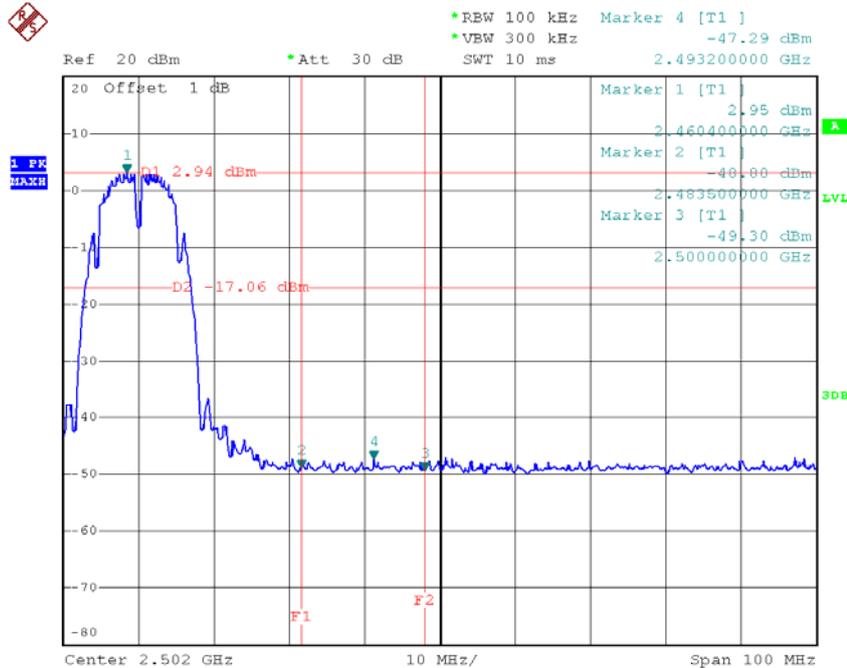
Test Mode : TX B Mode

**TX B mode CH01**



Date: 20.JUN.2014 01:44:59

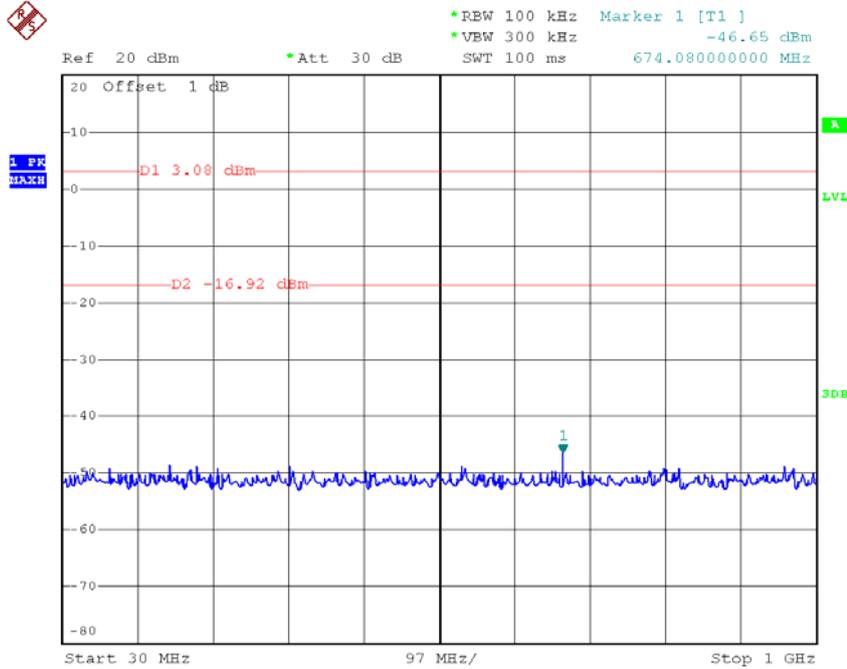
**TX B mode CH11**



Date: 20.JUN.2014 01:57:12

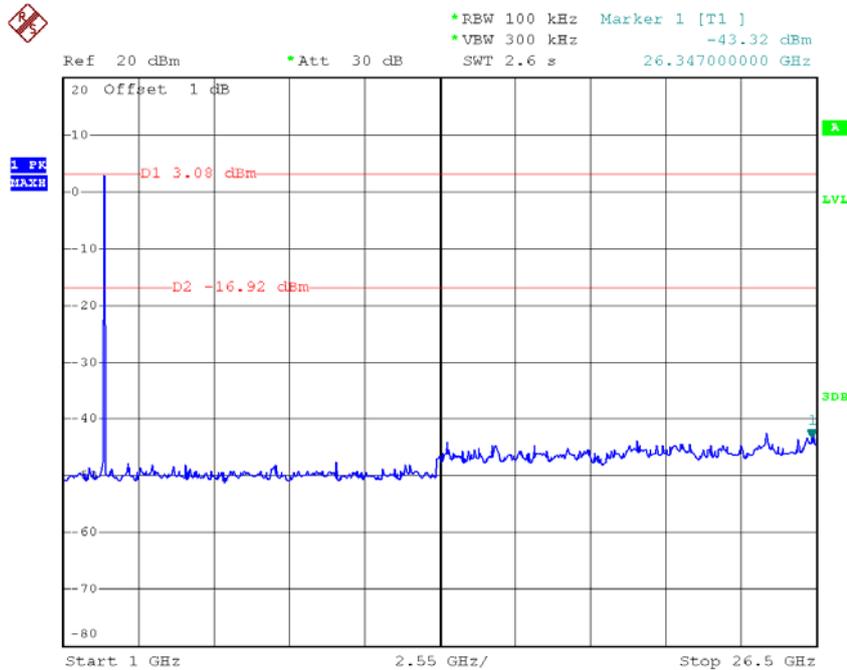


### TX B mode CH01 (30MHz to 1000MHz)



Date: 20.JUN.2014 01:45:13

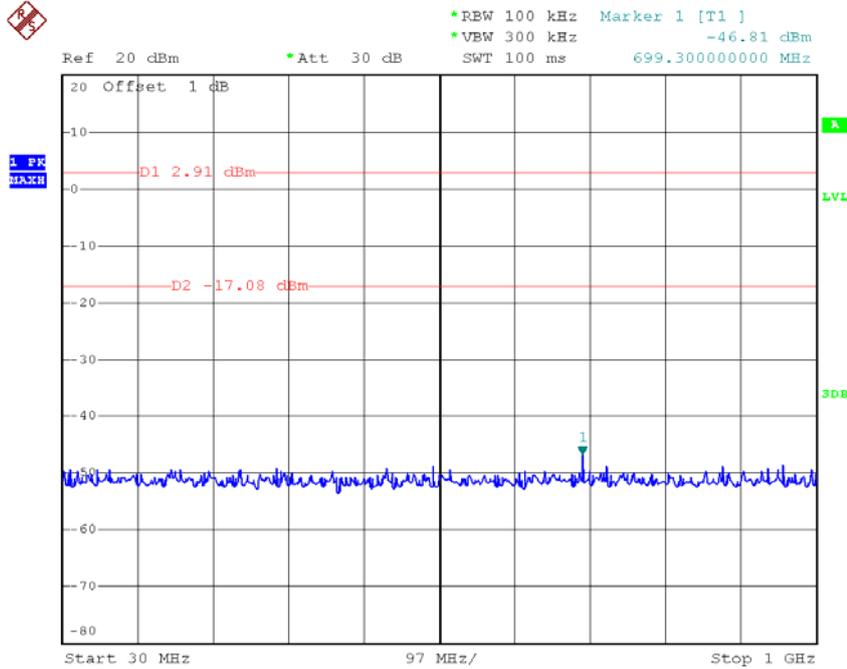
### TX B mode CH01 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 01:52:46

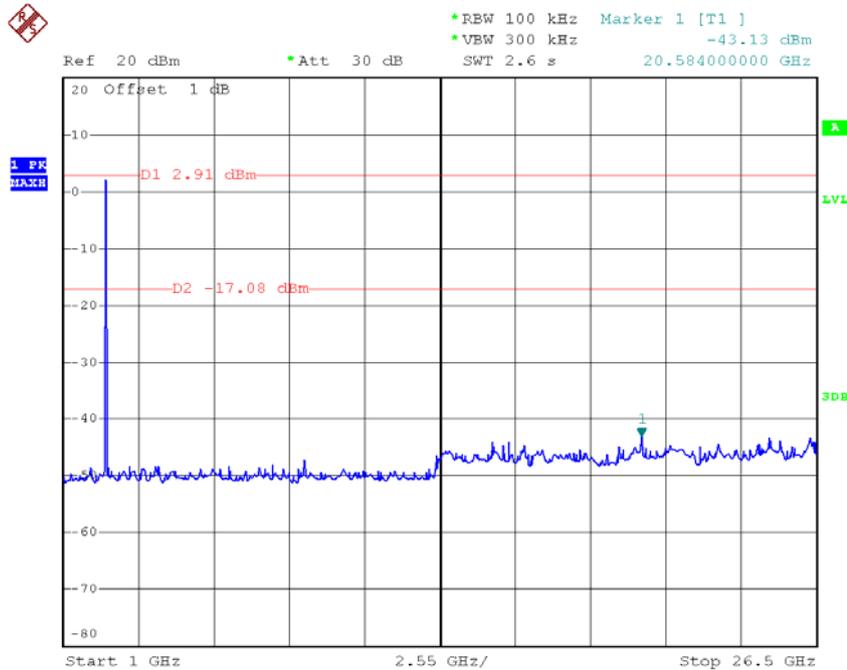


### TX B mode CH06 (30MHz to 1000MHz)



Date: 20.JUN.2014 01:51:14

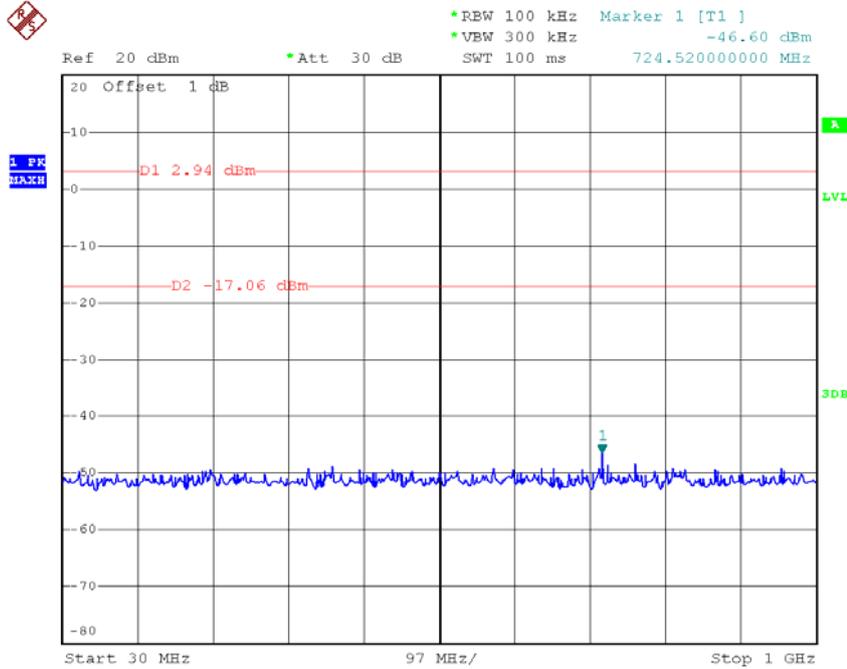
### TX B mode CH06 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 01:51:39

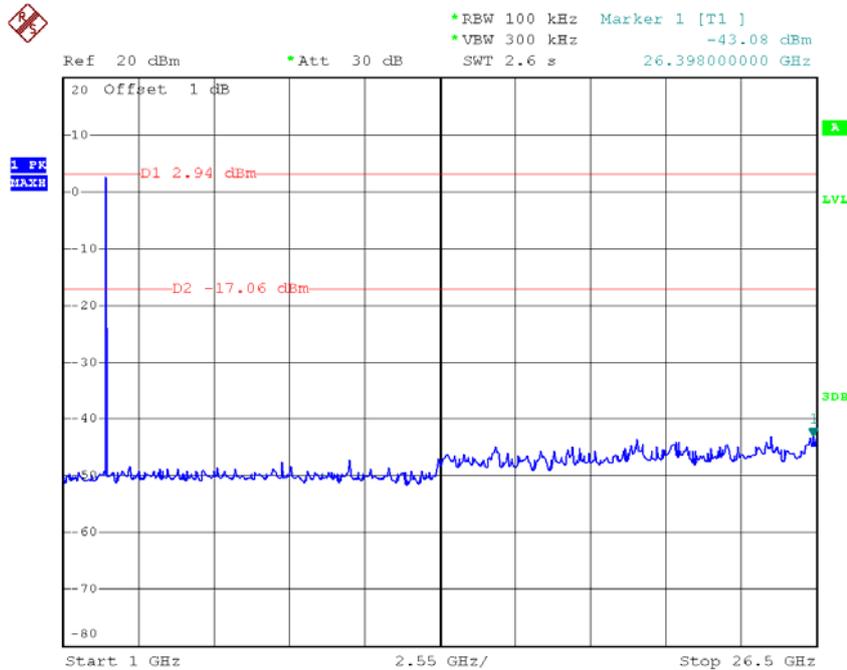


### TX B mode CH11 (30MHz to 1000MHz)



Date: 20.JUN.2014 01:57:37

### TX B mode CH11 (1000MHz to 10<sup>th</sup> Harmonic)

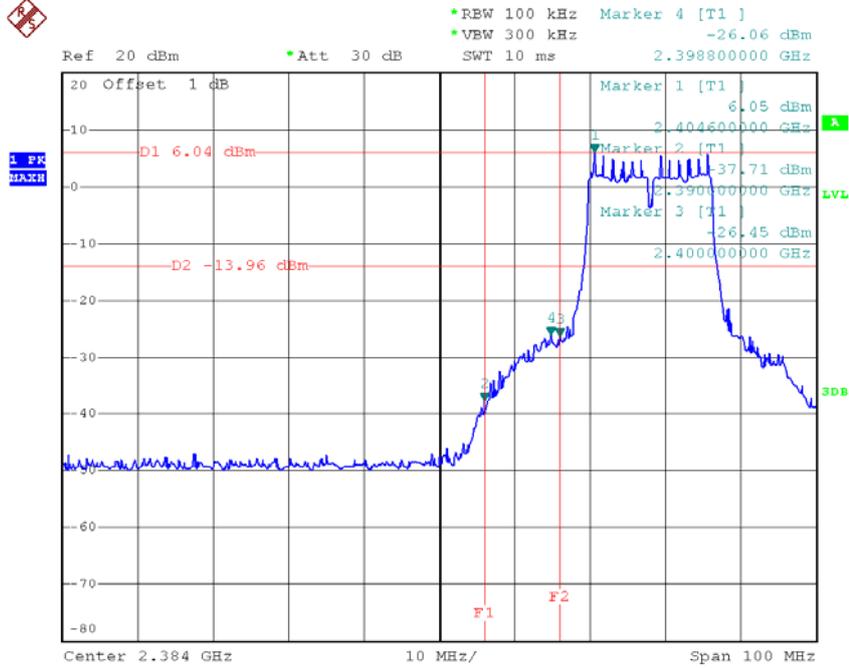


Date: 20.JUN.2014 01:57:49



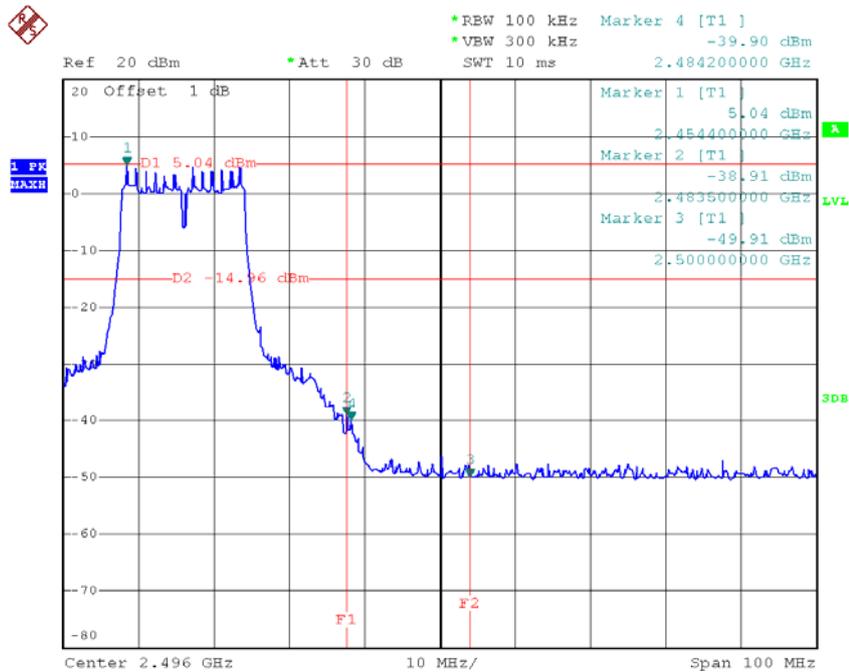
Test Mode : TX G Mode

### TX G mode CH01



Date: 20.JUN.2014 02:01:31

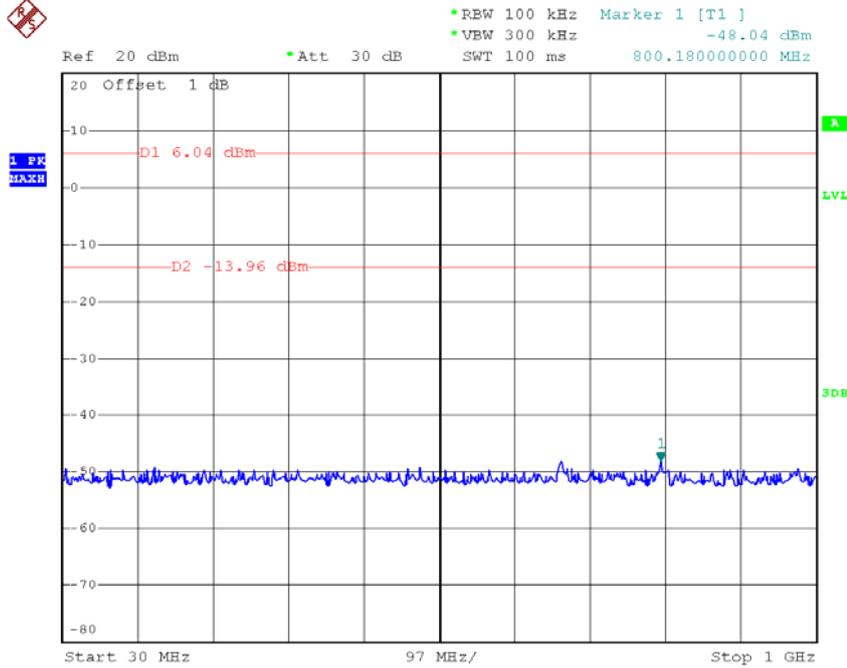
### TX G mode CH11



Date: 20.JUN.2014 02:07:24

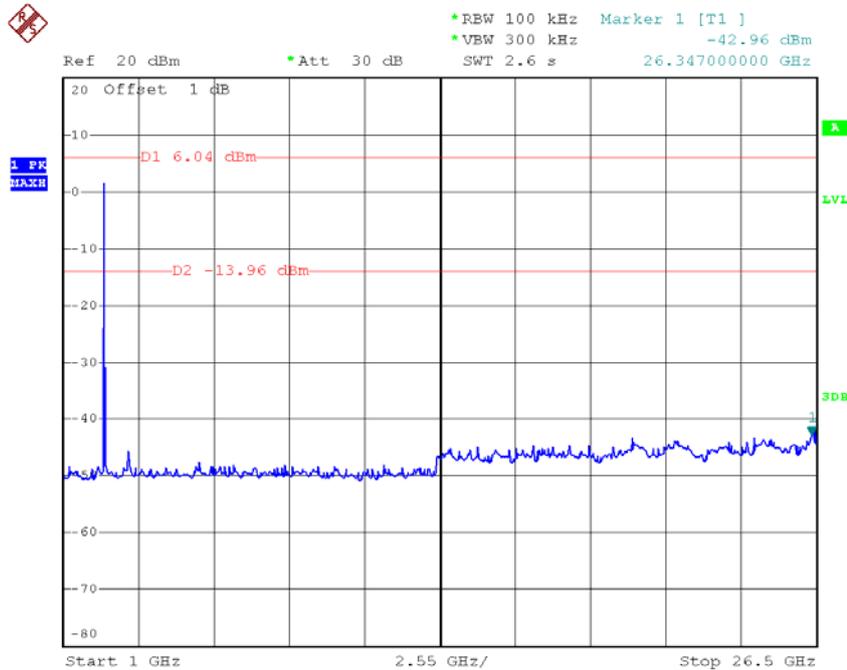


### TX G mode CH01 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:01:49

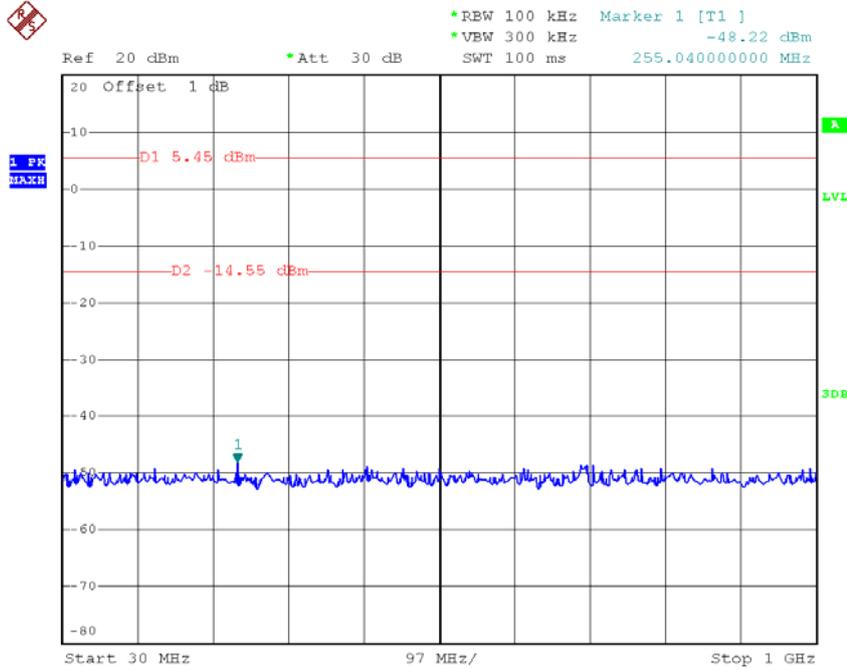
### TX G mode CH01 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:02:19

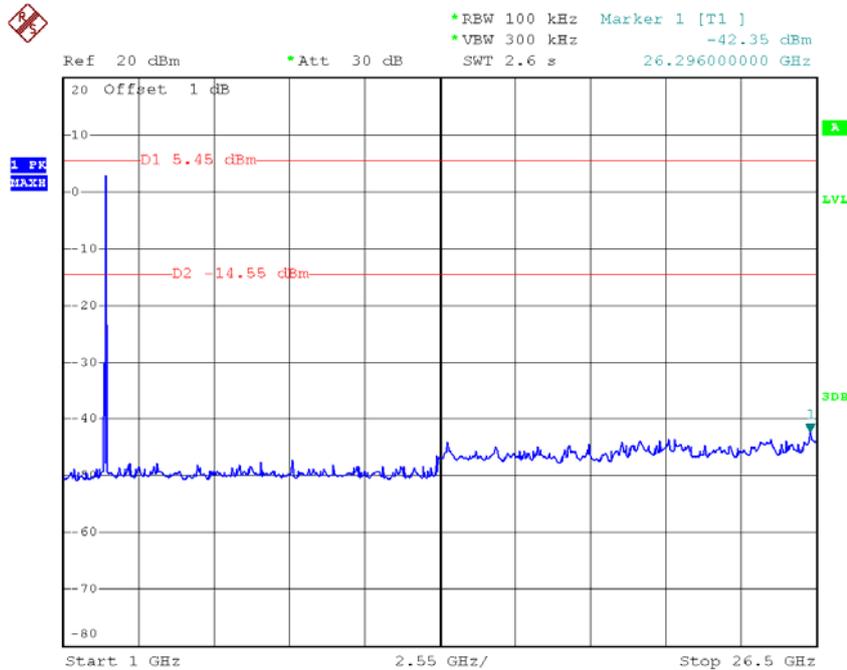


### TX G mode CH06 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:04:16

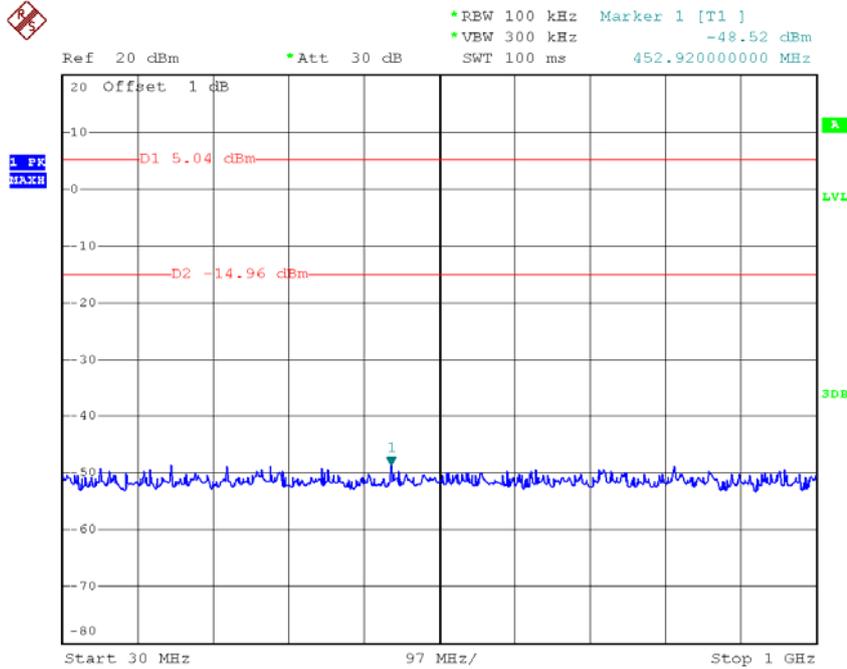
### TX G mode CH06 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:04:38

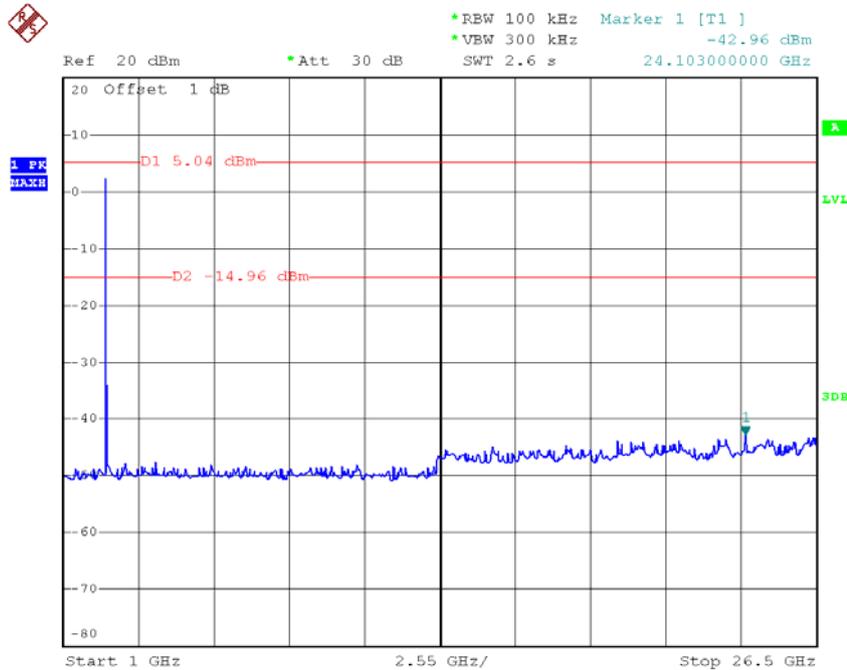


### TX G mode CH11 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:07:38

### TX G mode CH11 (1000MHz to 10<sup>th</sup> Harmonic)

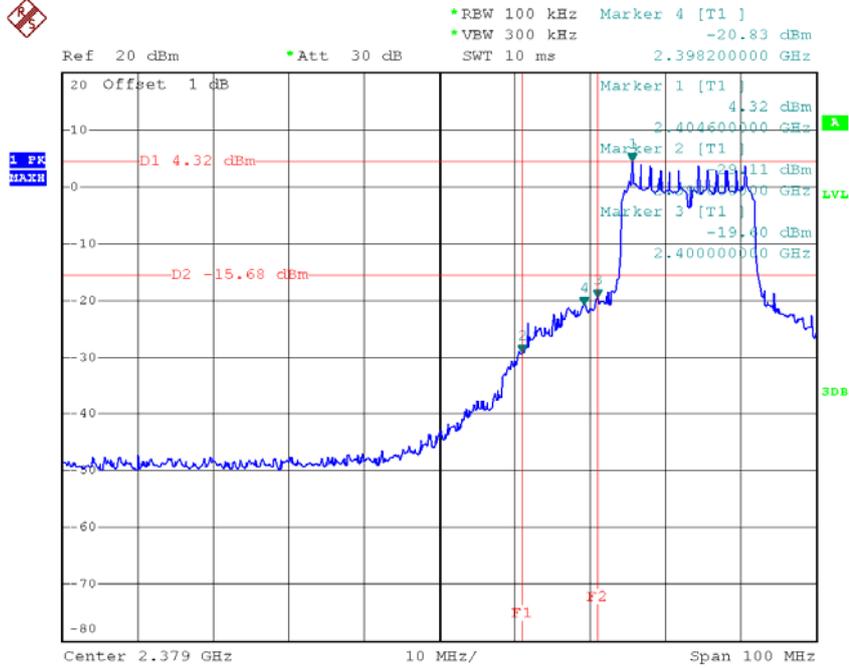


Date: 20.JUN.2014 02:07:57



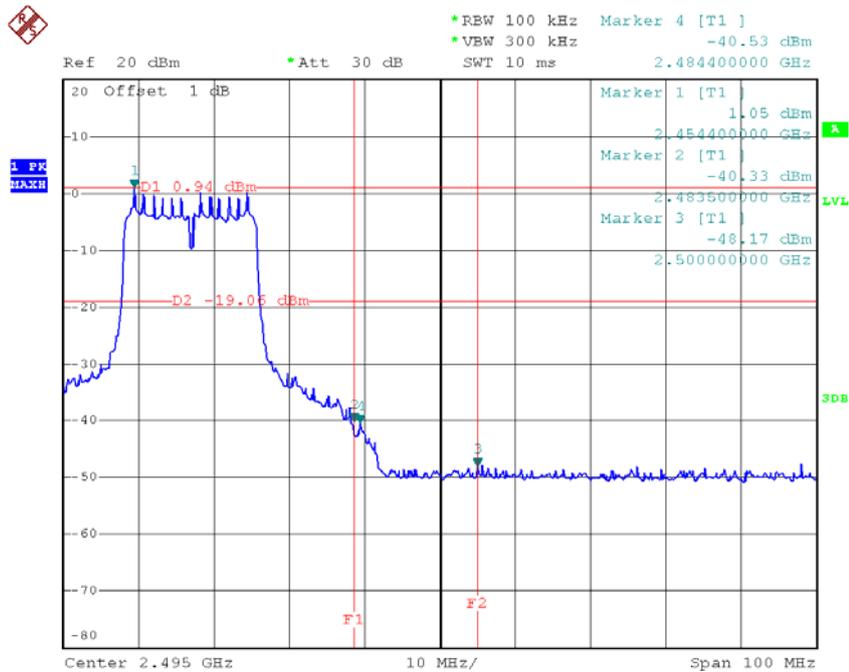
Test Mode : TX N-20M Mode\_ANT 1

**TX HT20 mode CH01**



Date: 20.JUN.2014 02:19:34

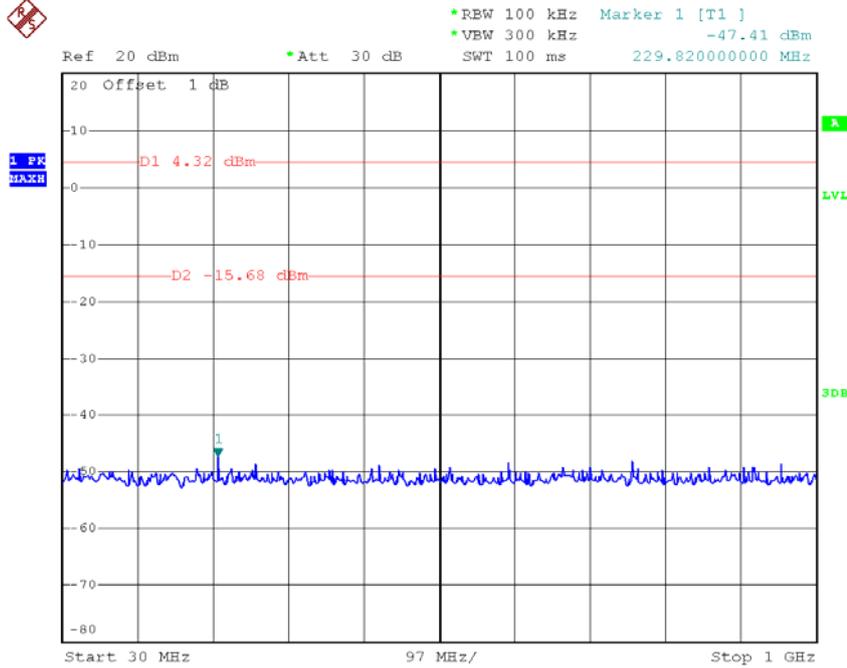
**TX HT20 mode CH11**



Date: 20.JUN.2014 02:33:49

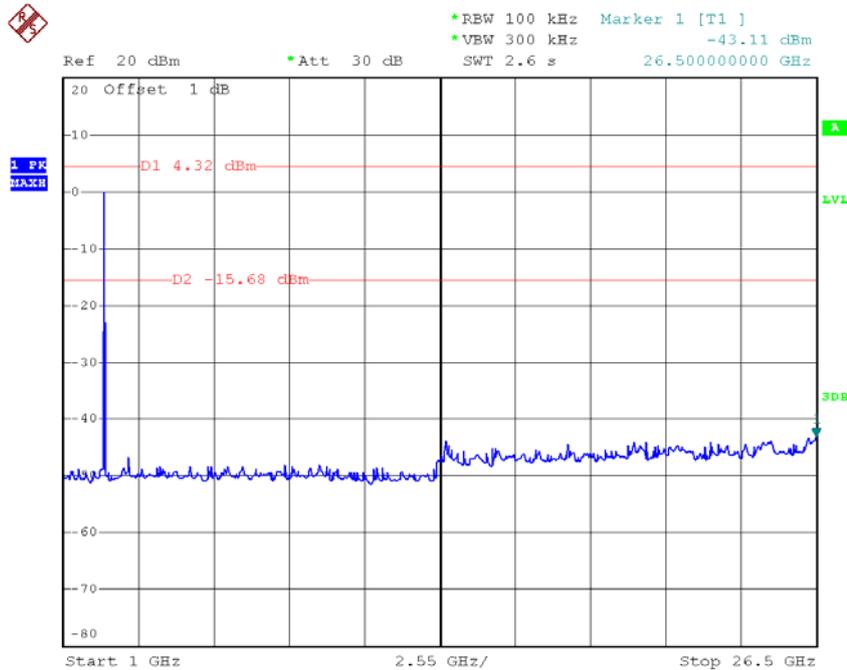


### TX HT20 mode CH01 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:19:47

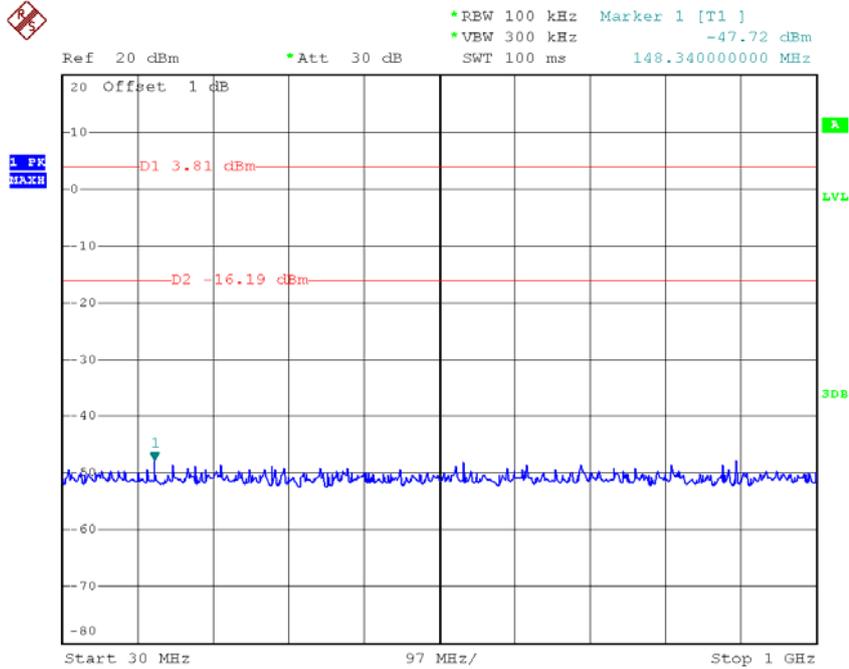
### TX HT20 mode CH01 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:20:04

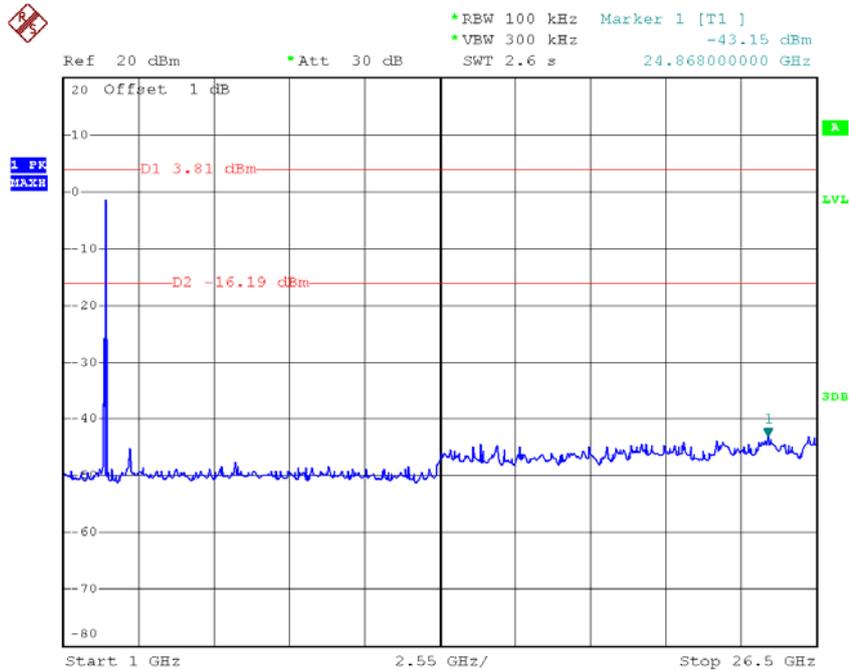


### TX HT20 mode CH06 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:23:45

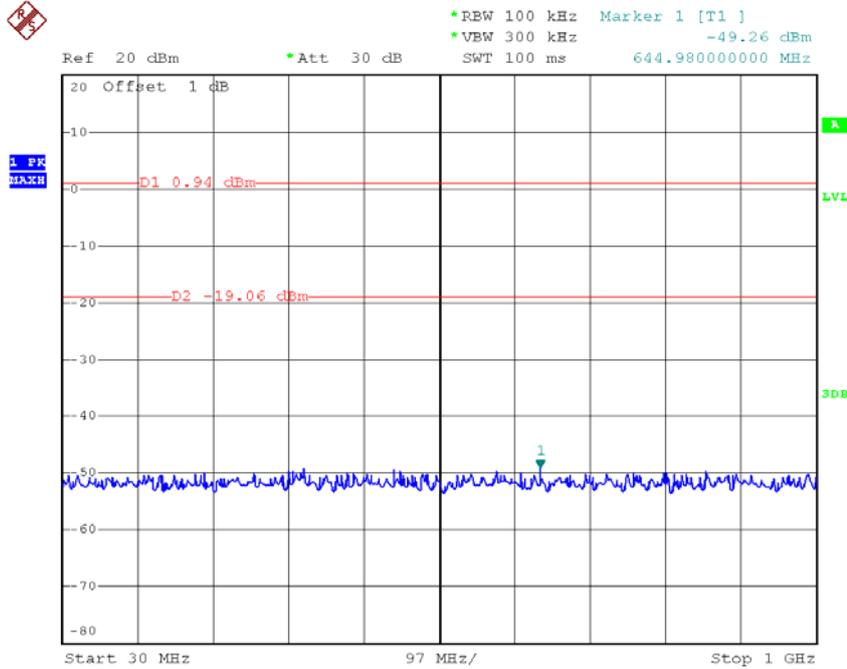
### TX HT20 mode CH06 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:24:02

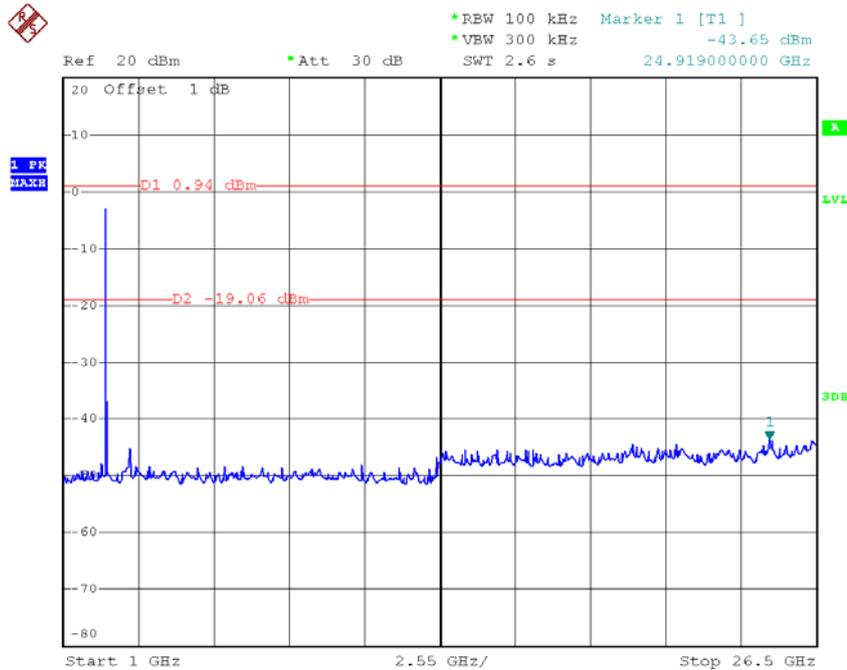


### TX HT20 mode CH11 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:34:05

### TX HT20 mode CH11 (1000MHz to 10<sup>th</sup> Harmonic)

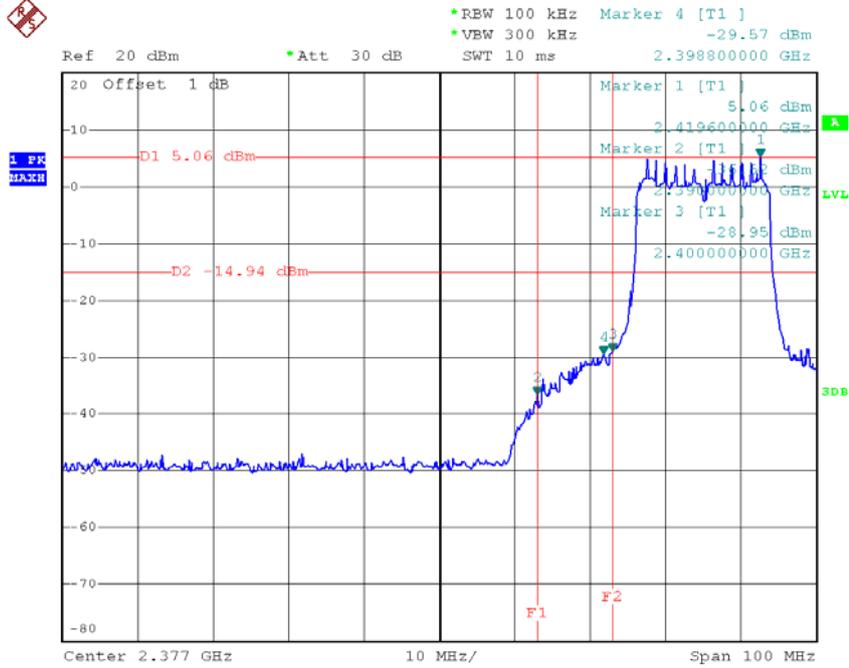


Date: 20.JUN.2014 02:34:17



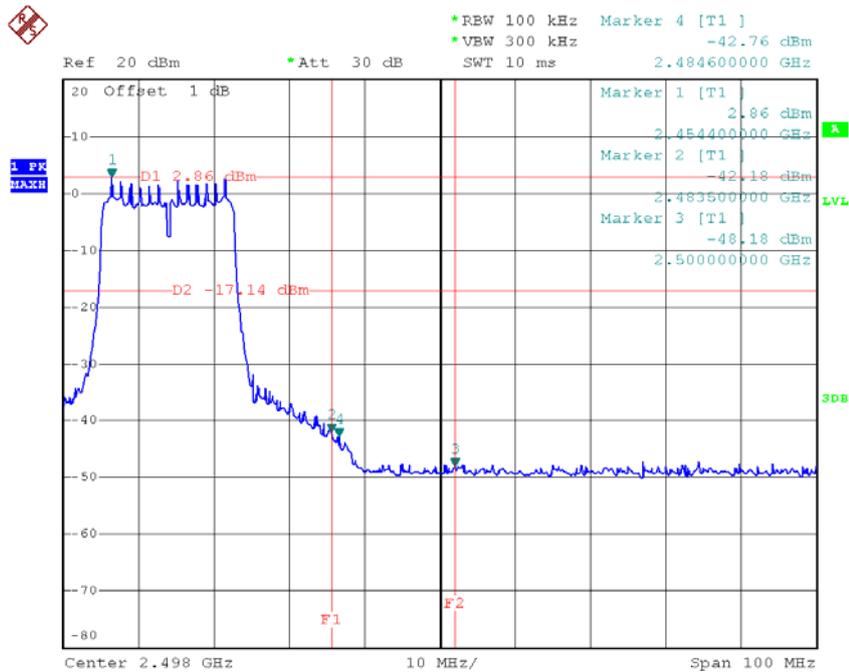
Test Mode : TX N-20M Mode\_ANT 2

**TX HT20 mode CH01**



Date: 20.JUN.2014 02:16:23

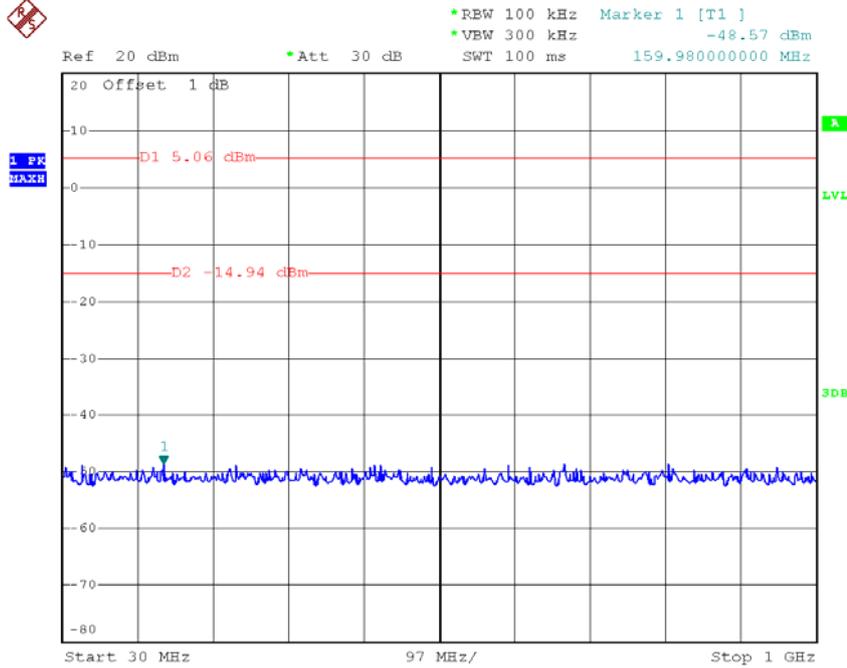
**TX HT20 mode CH11**



Date: 20.JUN.2014 02:30:40

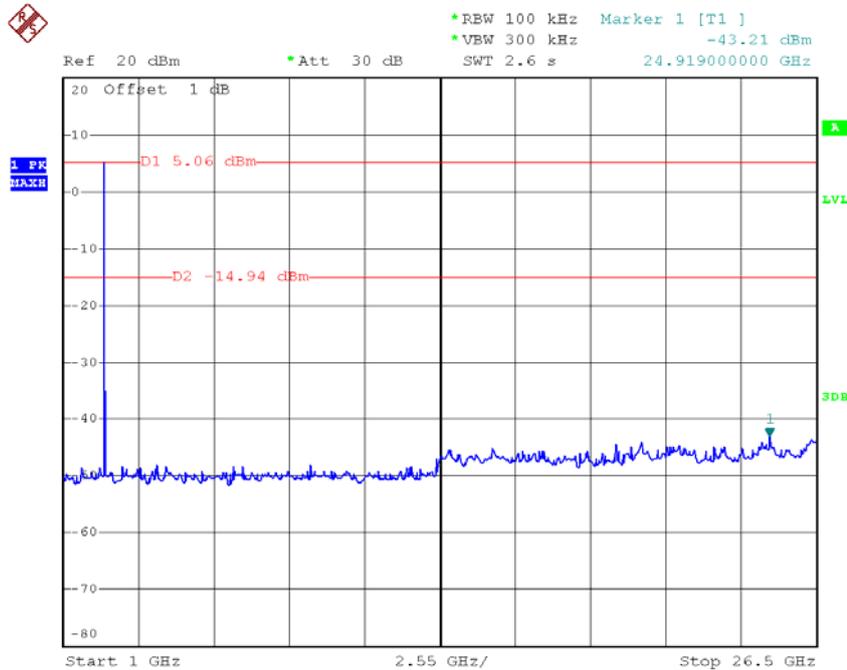


### TX HT20 mode CH01 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:16:38

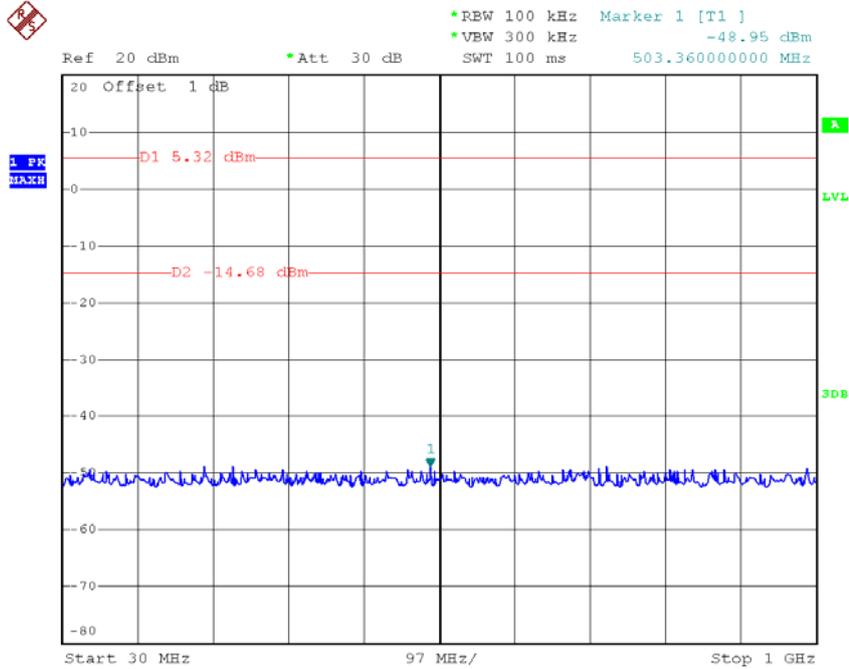
### TX HT20 mode CH01 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:16:51

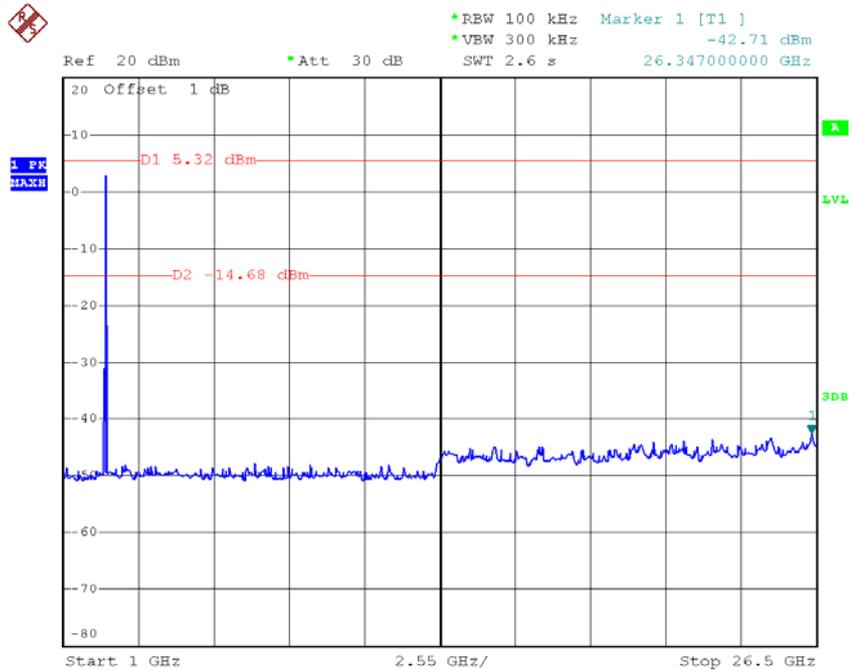


### TX HT20 mode CH06 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:26:24

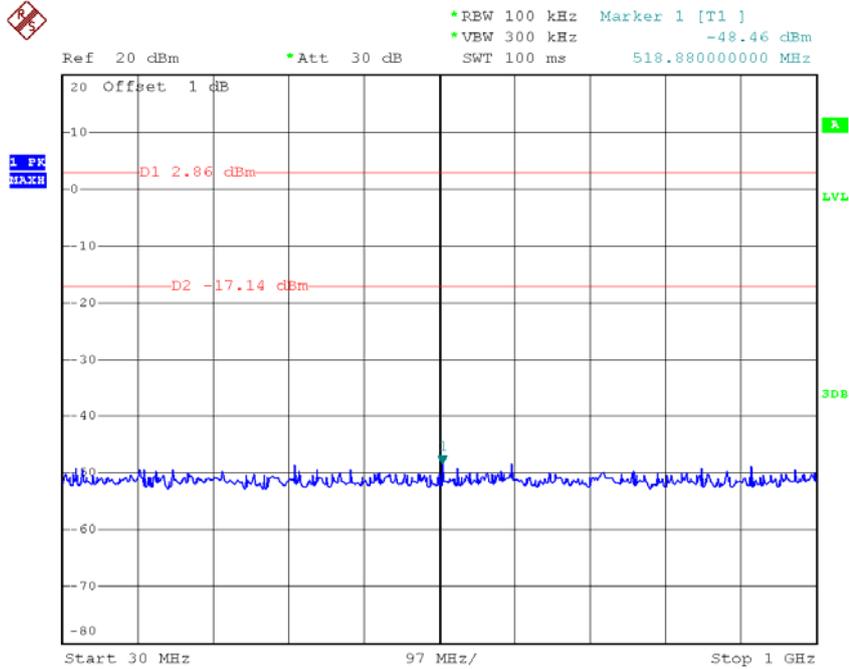
### TX HT20 mode CH06 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:26:40

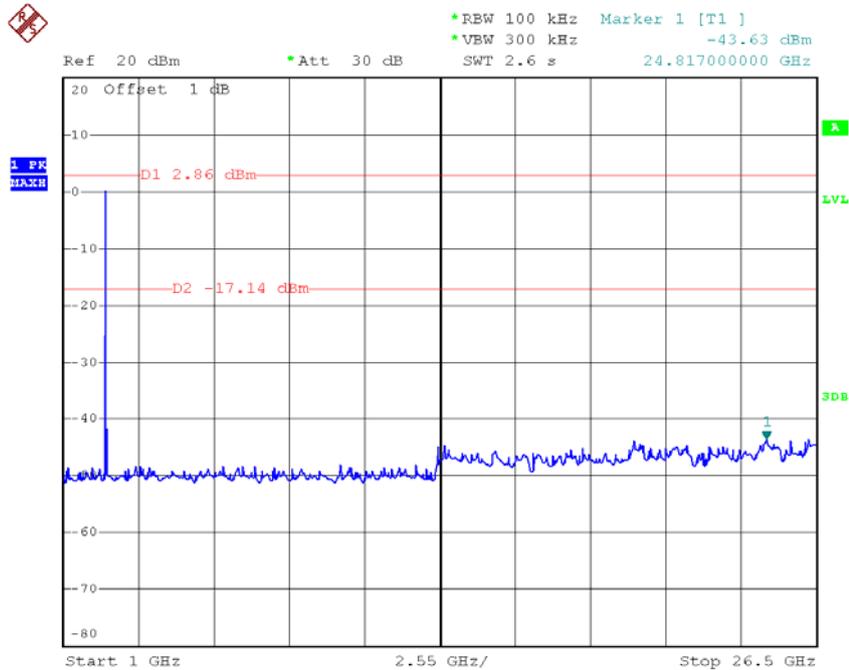


### TX HT20 mode CH11 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:30:54

### TX HT20 mode CH11 (1000MHz to 10<sup>th</sup> Harmonic)

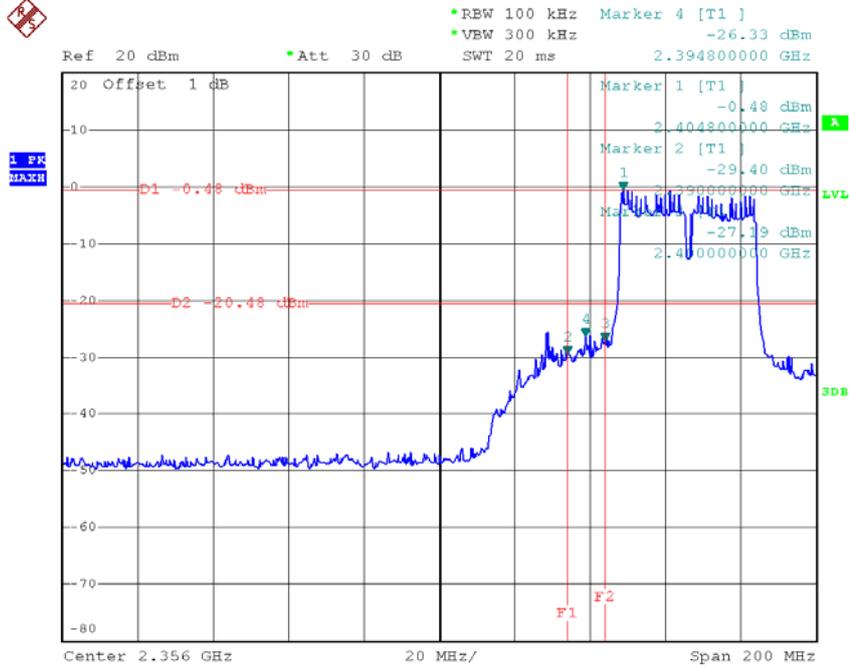


Date: 20.JUN.2014 02:31:06



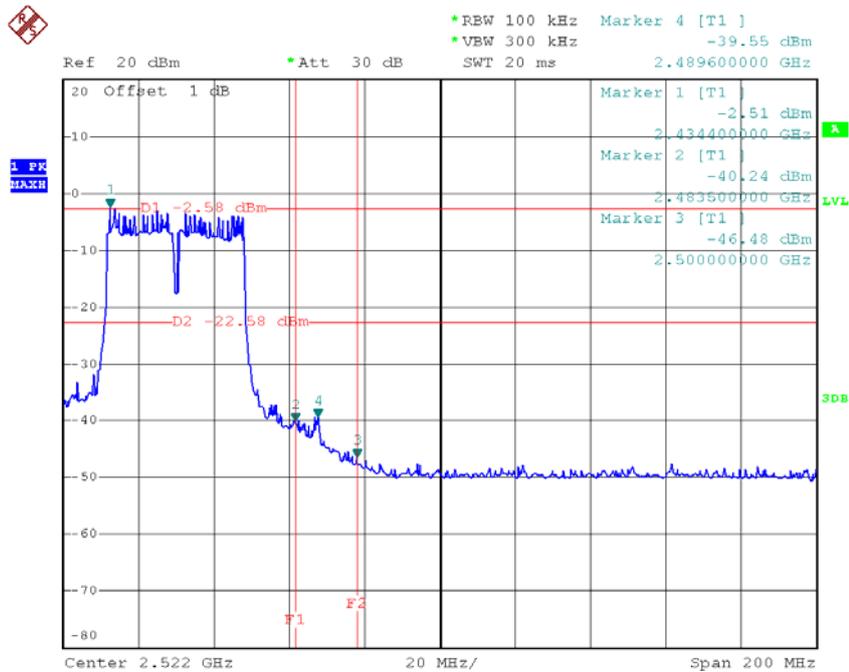
Test Mode : TX N-40M Mode\_ANT 1

**TX HT40 mode CH03**



Date: 20.JUN.2014 02:37:40

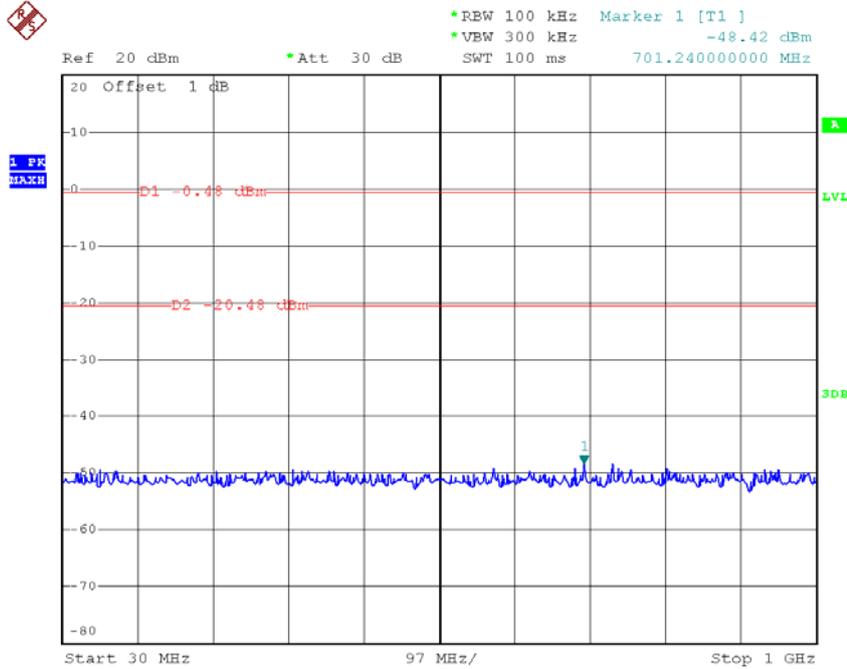
**TX HT40 mode CH09**



Date: 20.JUN.2014 02:50:26

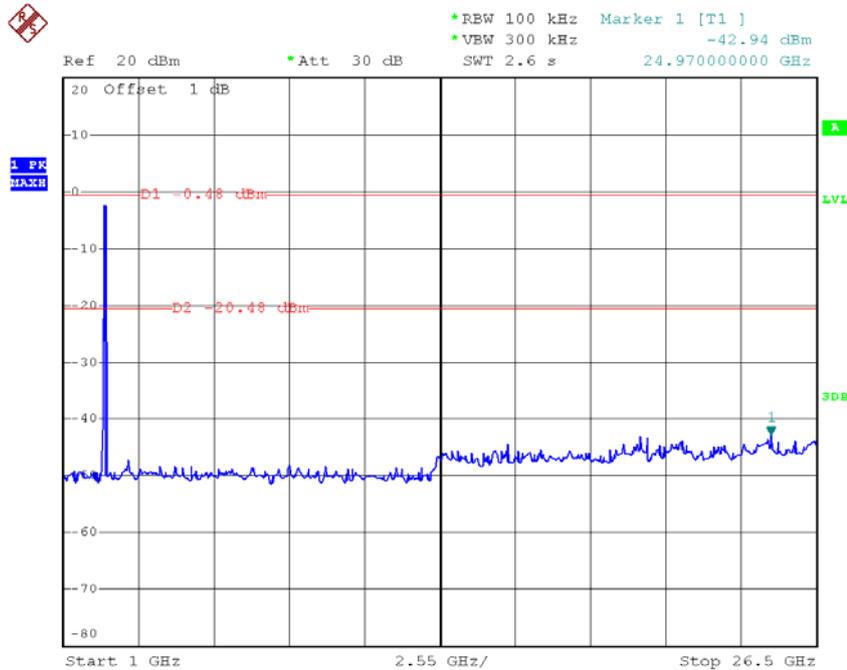


### TX HT40 mode CH03 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:37:54

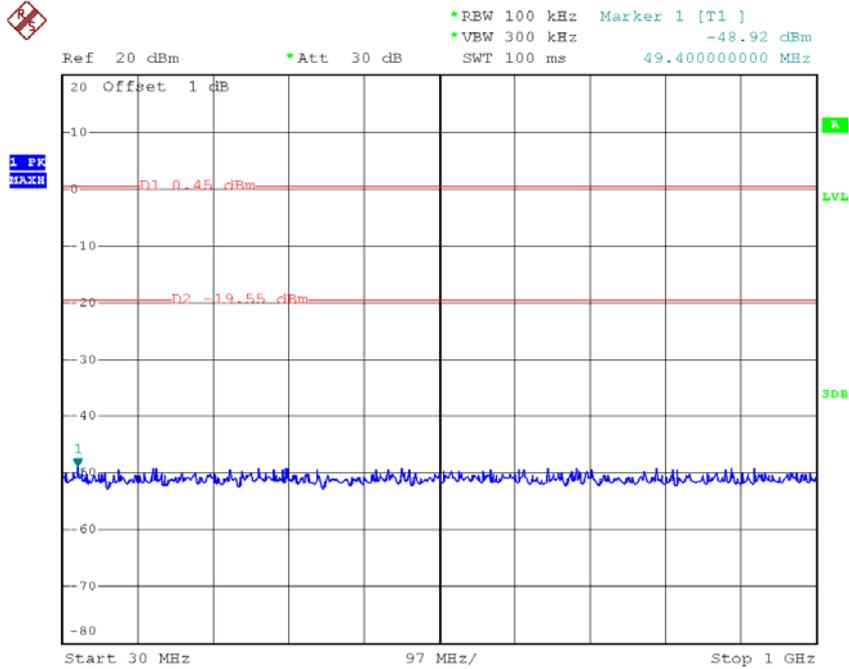
### TX HT40 mode CH03 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:38:09

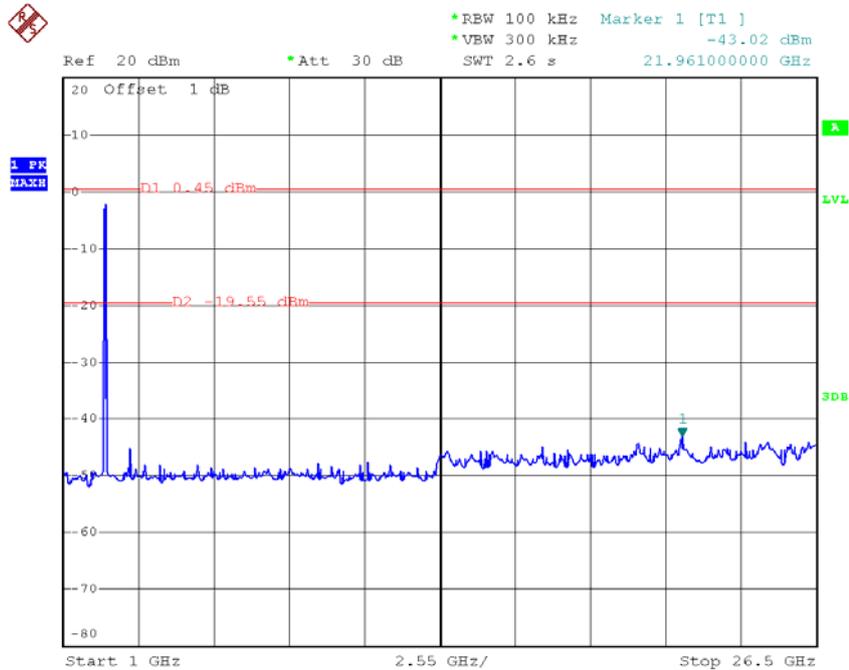


### TX HT40 mode CH06 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:46:54

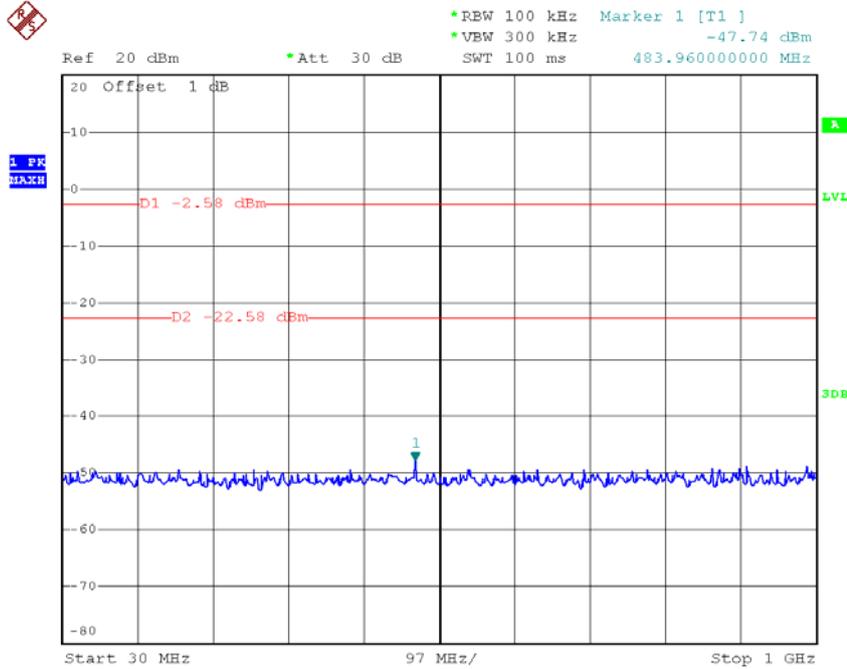
### TX HT40 mode CH06 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:47:06

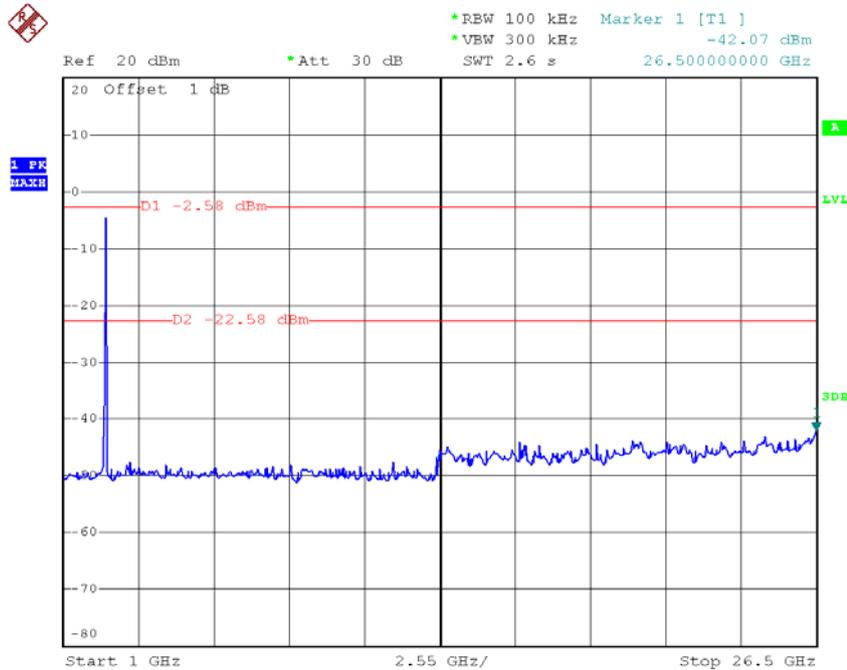


### TX HT40 mode CH09 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:50:44

### TX HT40 mode CH09 (1000MHz to 10<sup>th</sup> Harmonic)

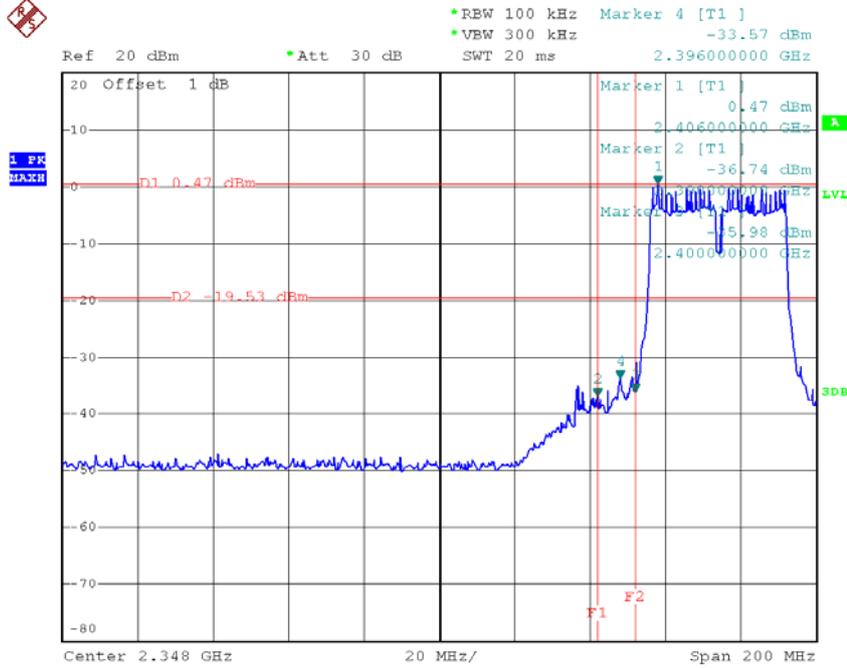


Date: 20.JUN.2014 02:51:04



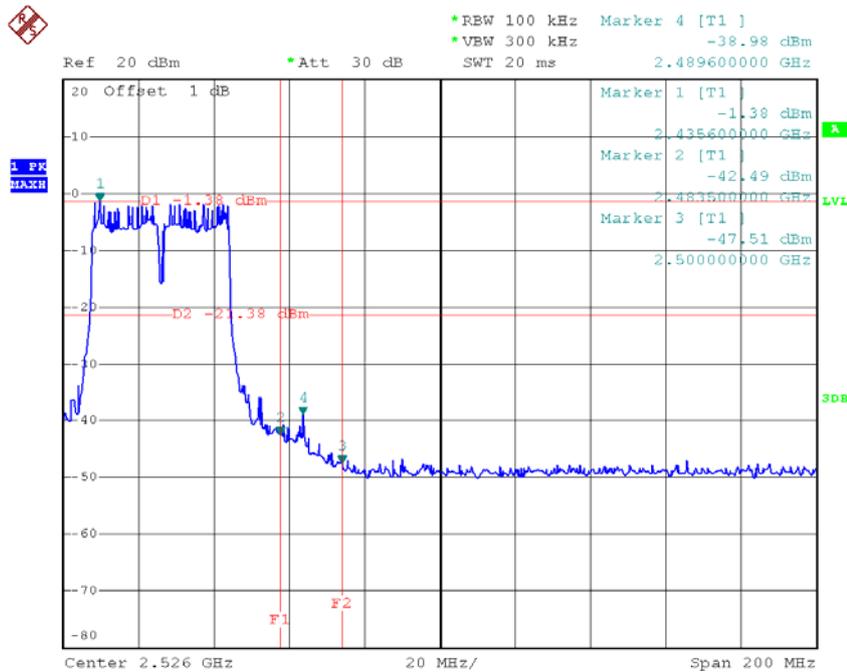
Test Mode : TX N-40M Mode\_ANT 2

**TX HT40 mode CH03**



Date: 20.JUN.2014 02:40:55

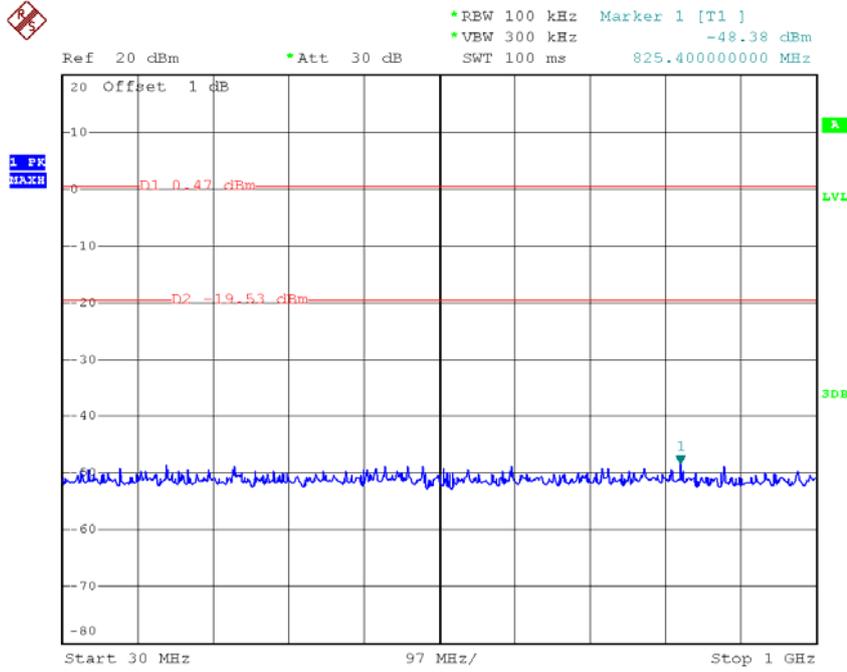
**TX HT40 mode CH09**



Date: 20.JUN.2014 02:54:03

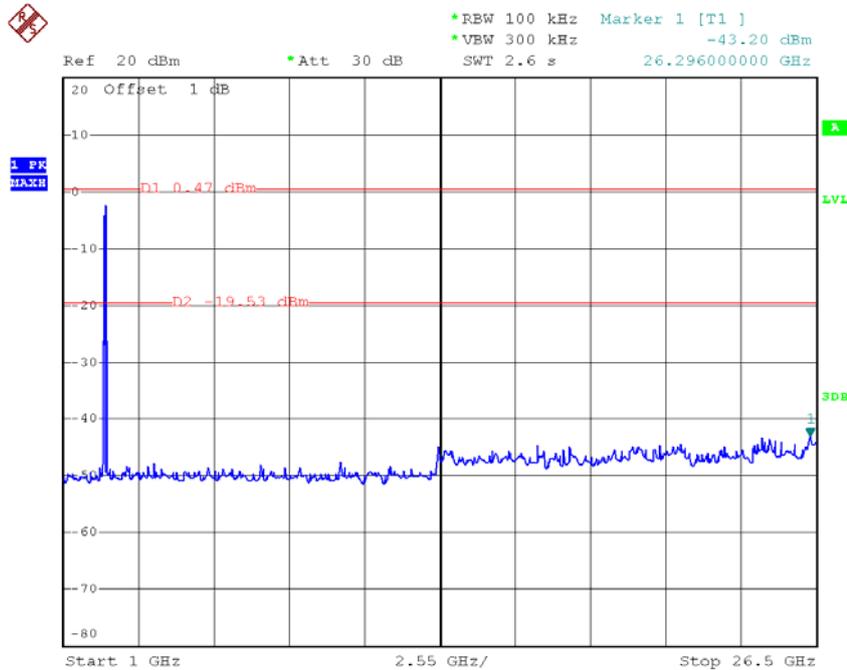


### TX HT40 mode CH03 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:41:08

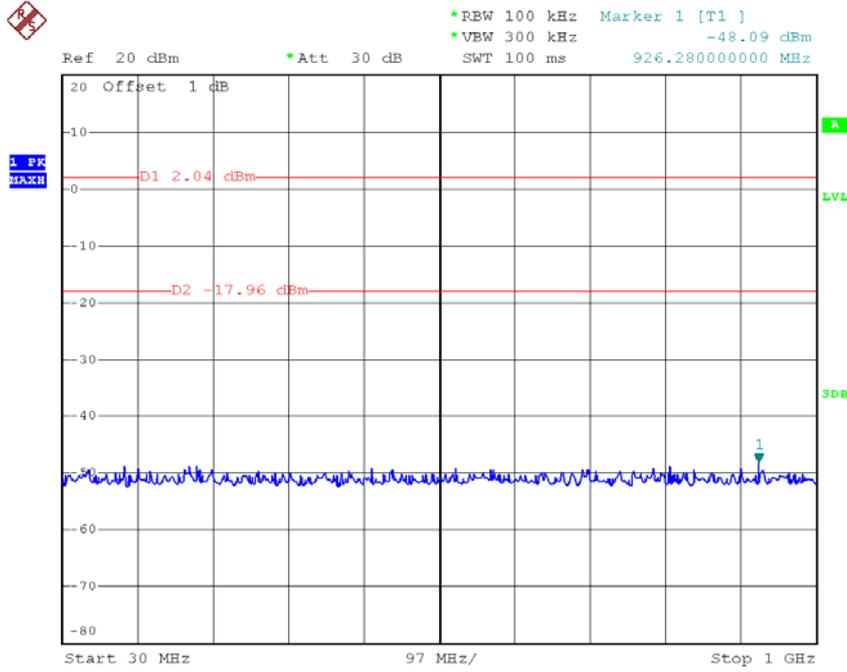
### TX HT40 mode CH03 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:41:20

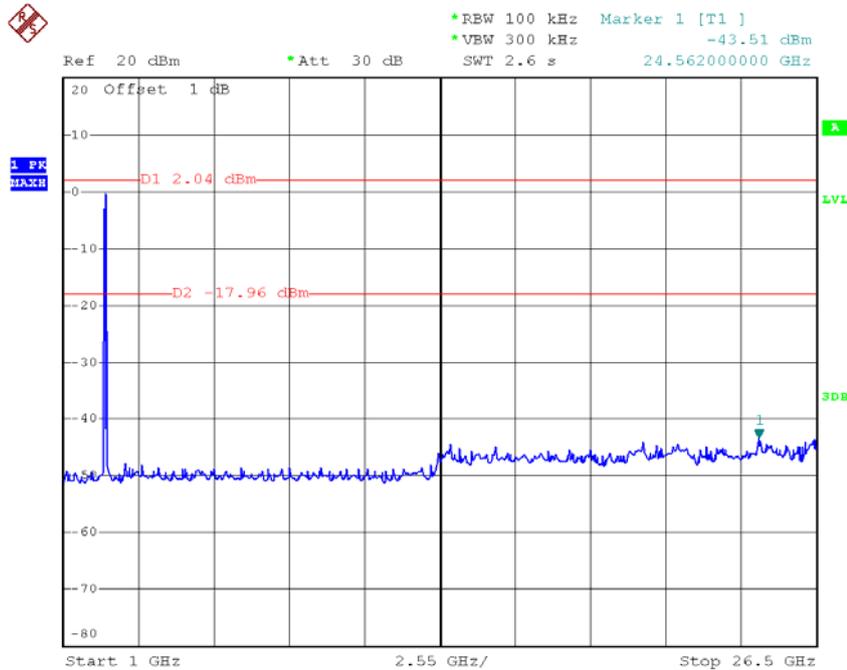


### TX HT40 mode CH06 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:44:20

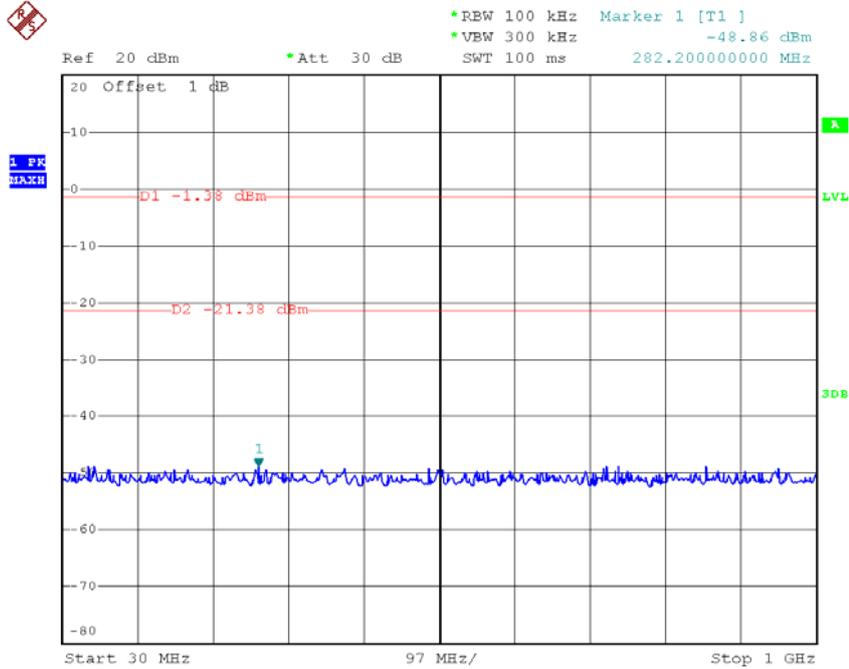
### TX HT40 mode CH06 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:44:32

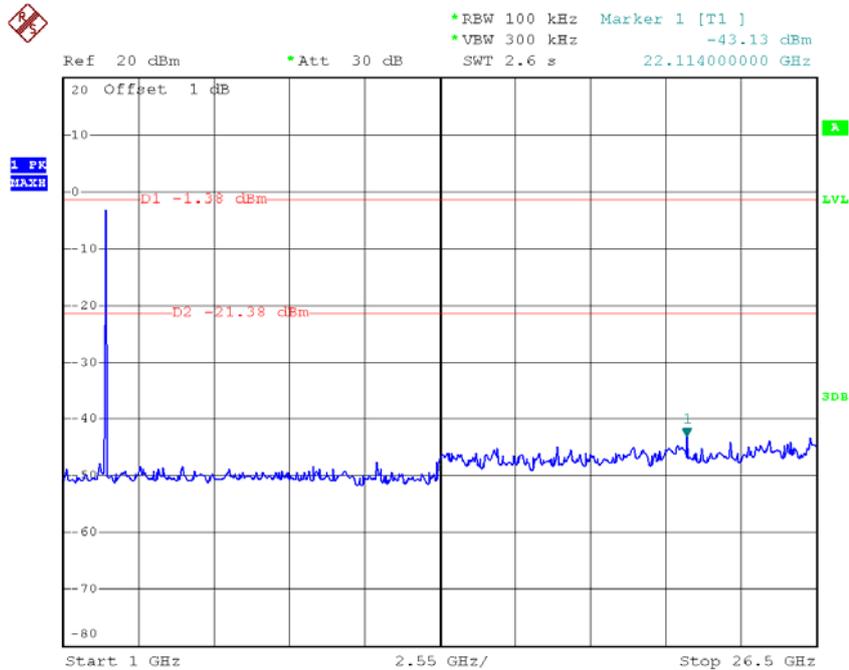


### TX HT40 mode CH09 (30MHz to 1000MHz)



Date: 20.JUN.2014 02:54:18

### TX HT40 mode CH09 (1000MHz to 10<sup>th</sup> Harmonic)



Date: 20.JUN.2014 02:54:30



**ATTACHMENT H - POWER SPECTRAL DENSITY**

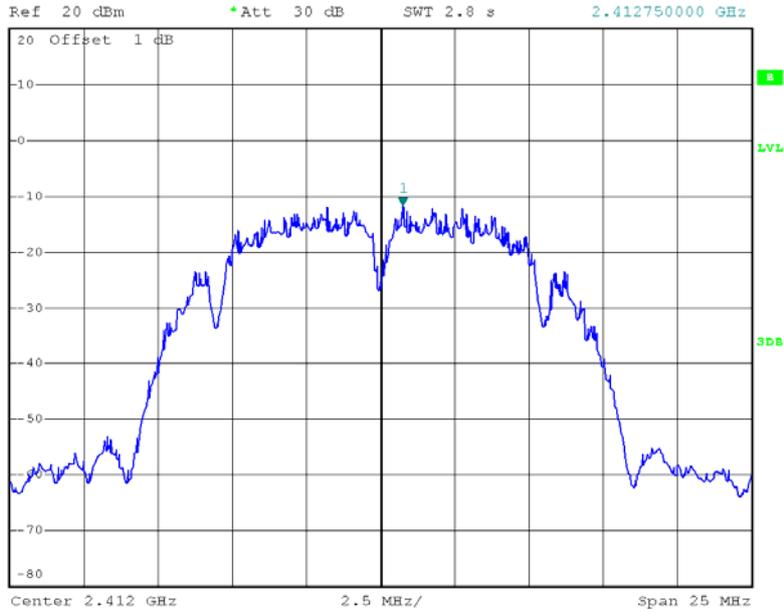


Test Mode :TX B Mode\_CH01/06/11

**TX CH01**



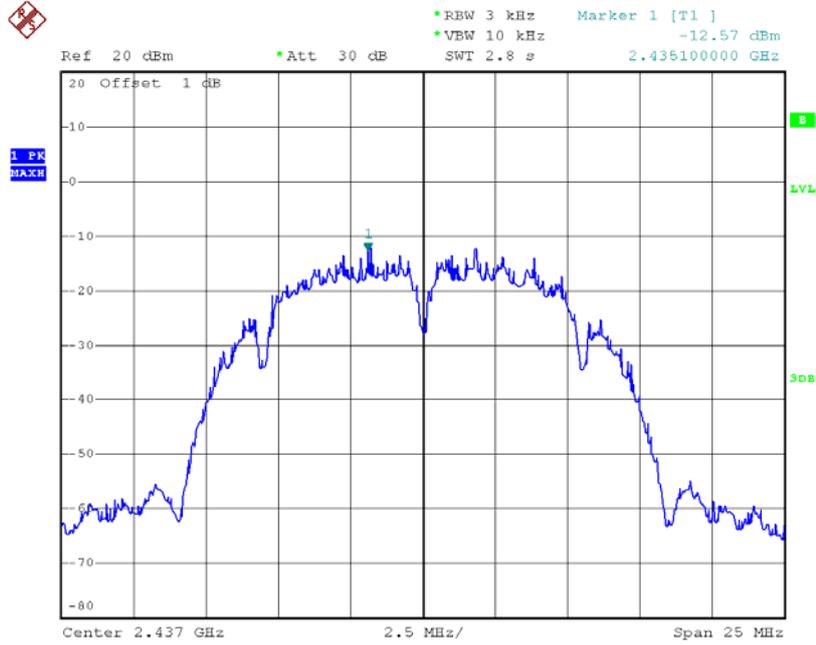
\*RBW 3 kHz    Marker 1 [T1 ]  
\*VBW 10 kHz    -11.68 dBm  
SWT 2.0 s       2.412750000 GHz



Date: 20.JUN.2014 01:35:58

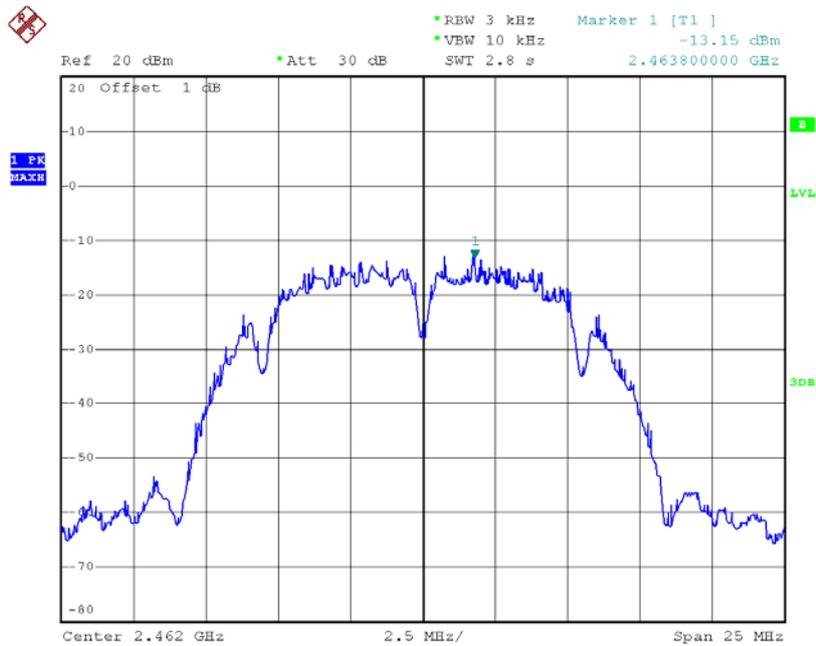


### TX CH06



Date: 20.JUN.2014 01:49:48

### TX CH11

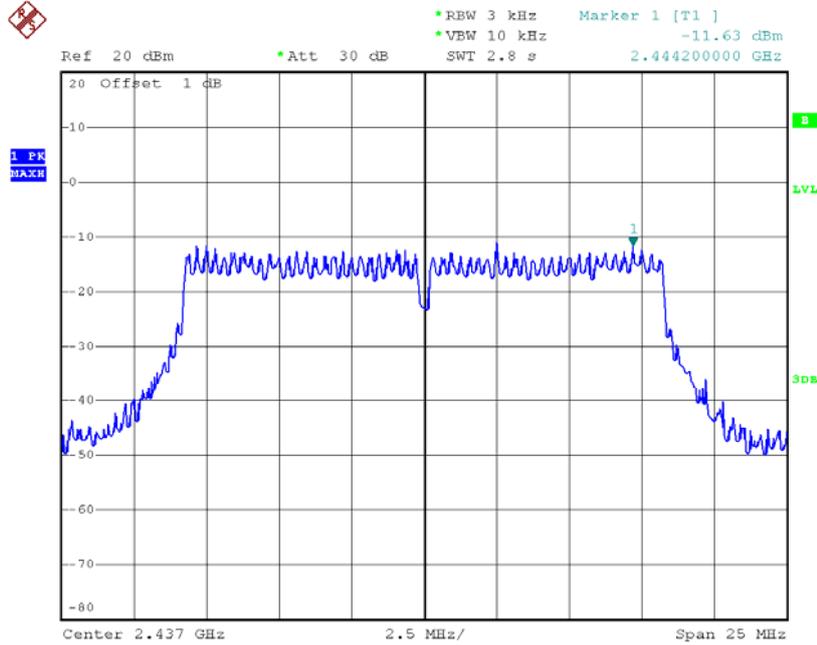


Date: 20.JUN.2014 01:53:34



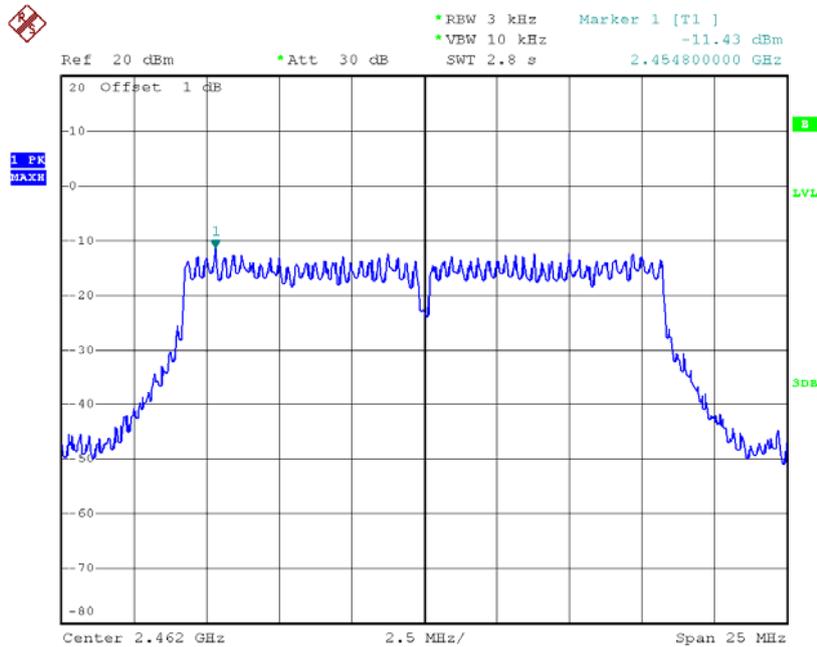


### TX CH06



Date: 20.JUN.2014 02:02:45

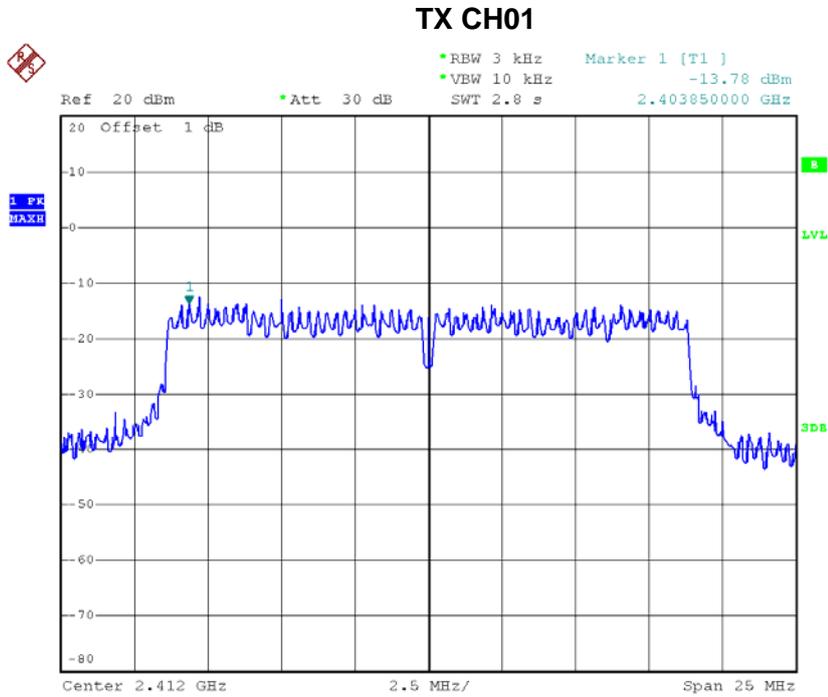
### TX CH11



Date: 20.JUN.2014 02:05:35



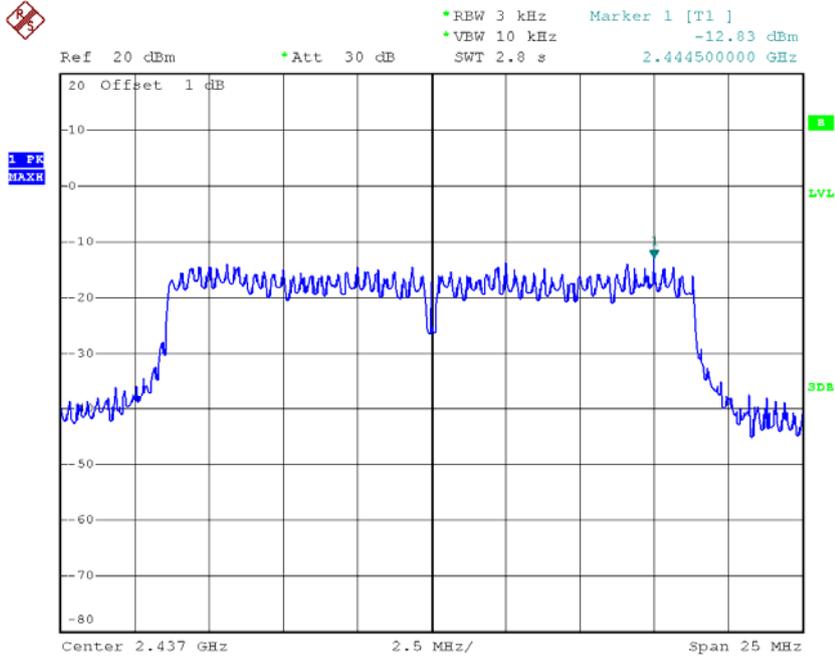
Test Mode : TX N-20M Mode\_CH01/06/11\_ANT 1



Date: 20.JUN.2014 02:17:41

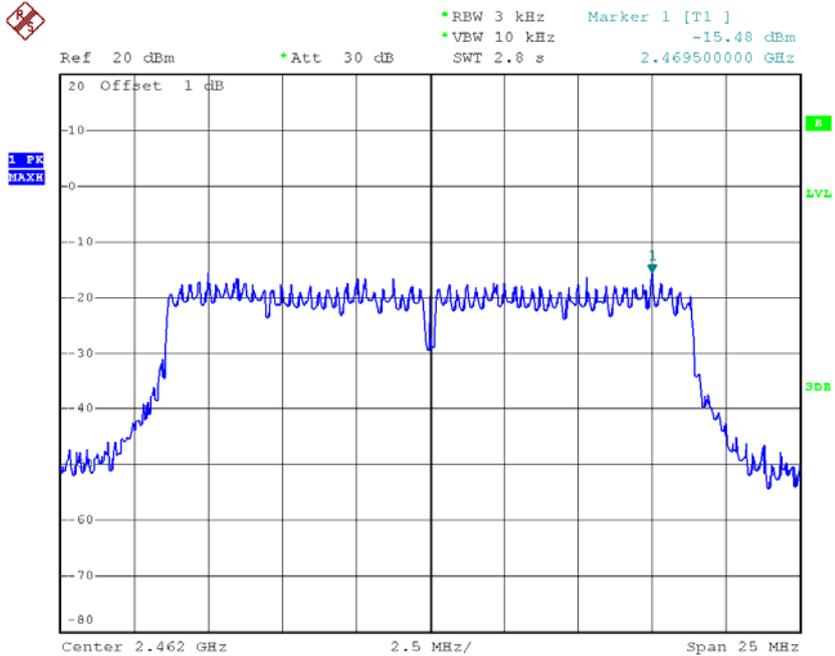


### TX CH06



Date: 20.JUN.2014 02:21:08

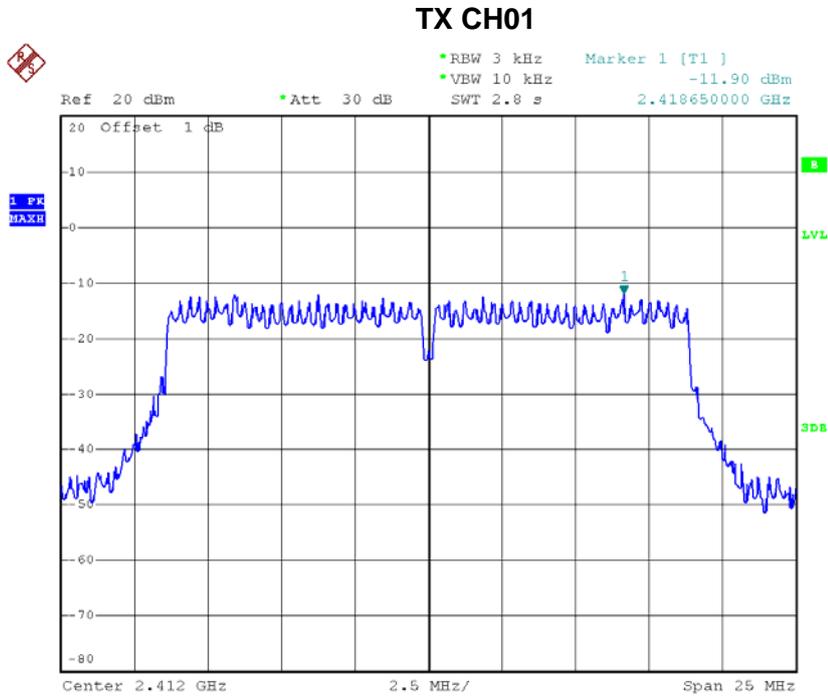
### TX CH11



Date: 20.JUN.2014 02:32:01



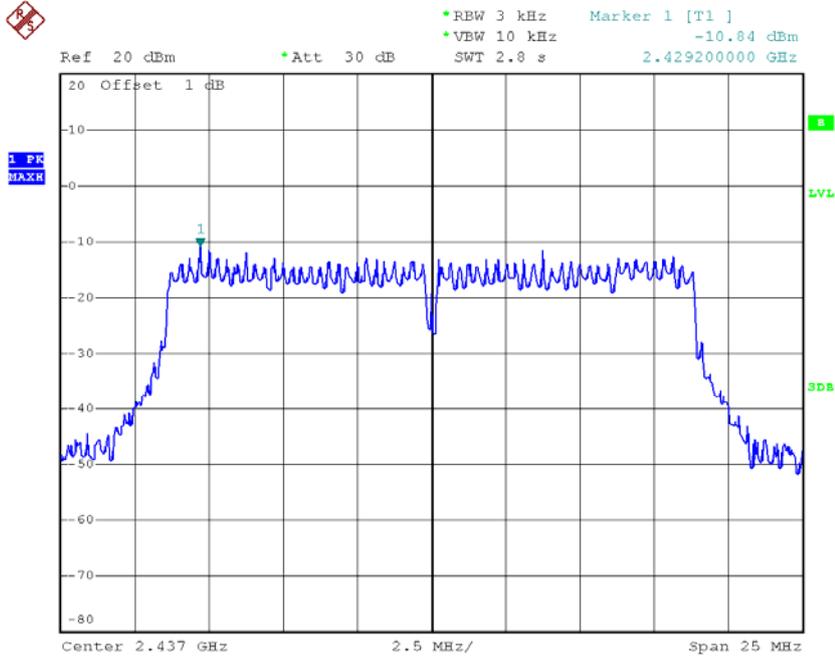
Test Mode : TX N-20M Mode\_CH01/06/11\_ANT 2



Date: 20.JUN.2014 02:11:27

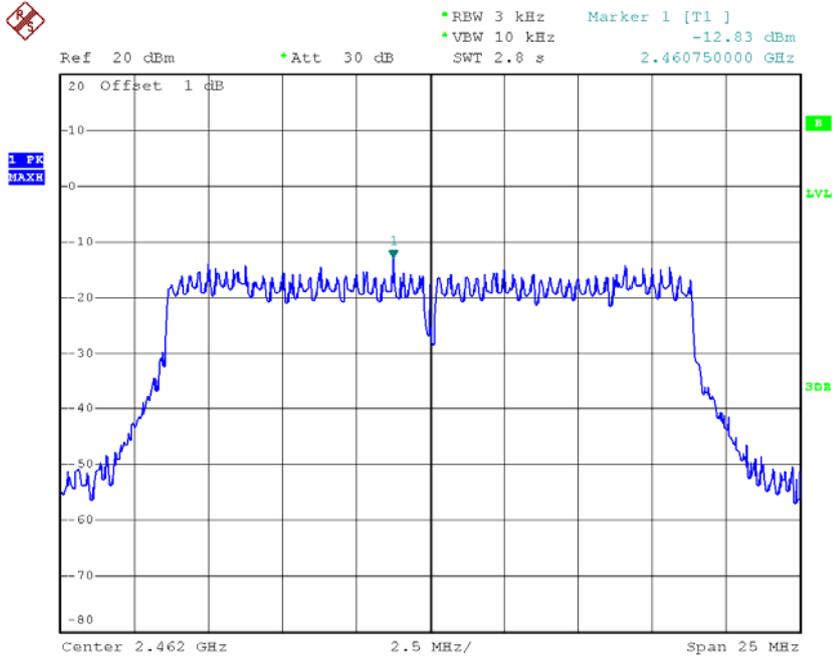


### TX CH06



Date: 20.JUN.2014 02:24:51

### TX CH11



Date: 20.JUN.2014 02:27:41

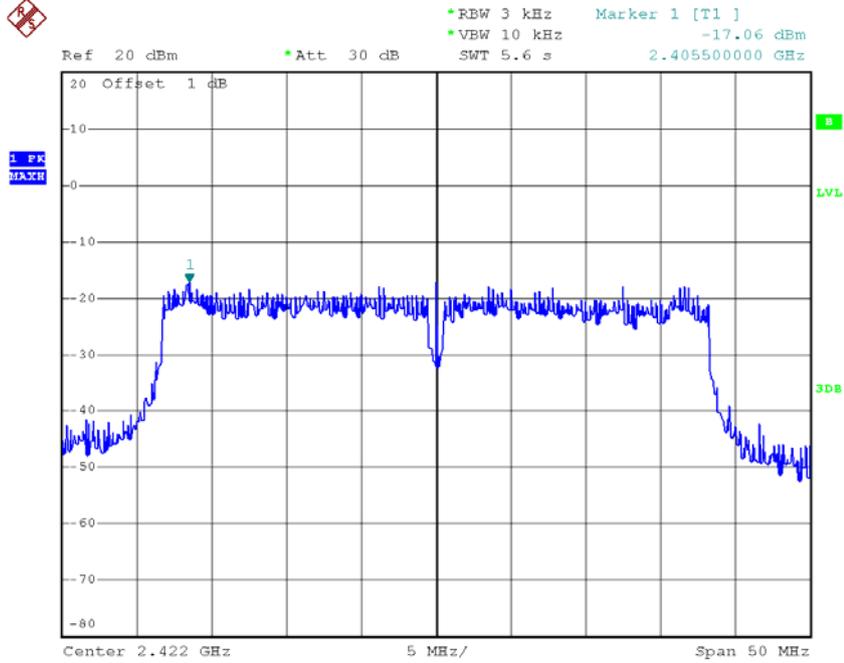


Test Mode : TX N-20M Mode_CH01/06/11_Total			
Test Channel	Frequency (MHz)	Power Density (dBm)	Limit (dBm)
CH01	2412	-9.73	8
CH06	2437	-8.71	8
CH11	2462	-10.95	8



Test Mode : TX N-40M Mode\_CH03/06/09\_ANT 1

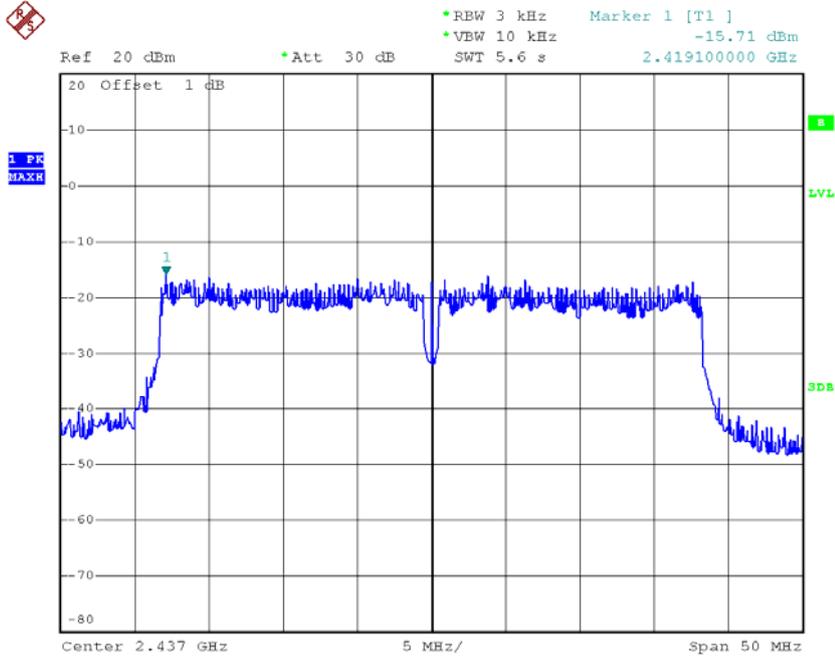
TX CH03



Date: 20.JUN.2014 02:35:32

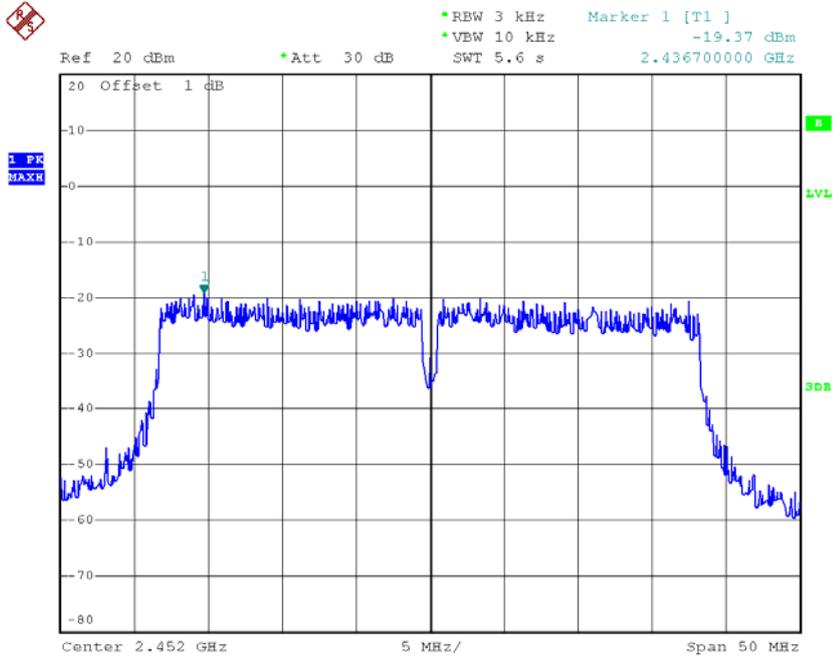


### TX CH06



Date: 20.JUN.2014 02:45:21

### TX CH09

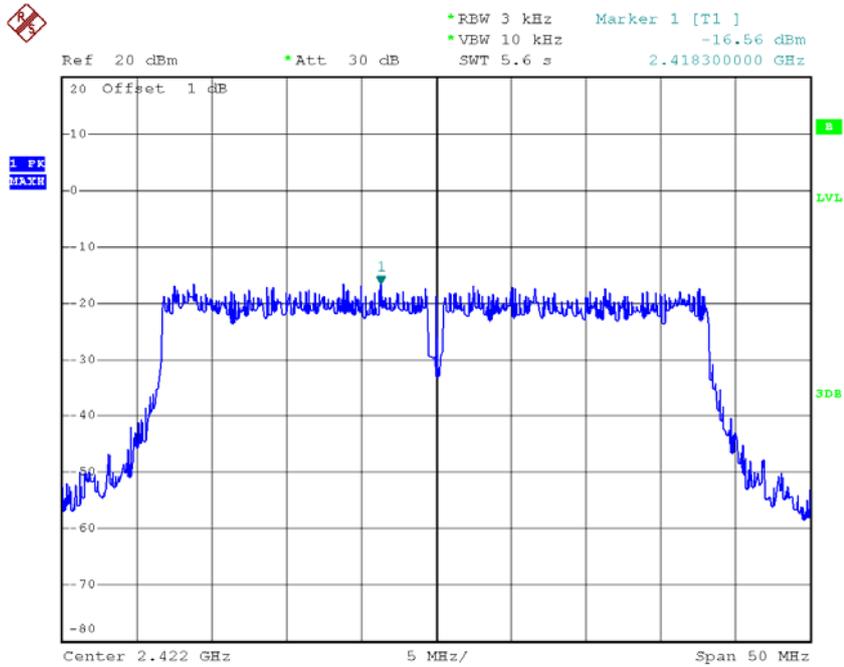


Date: 20.JUN.2014 02:47:54



Test Mode : TX N-40M Mode\_CH03/06/09\_ANT 2

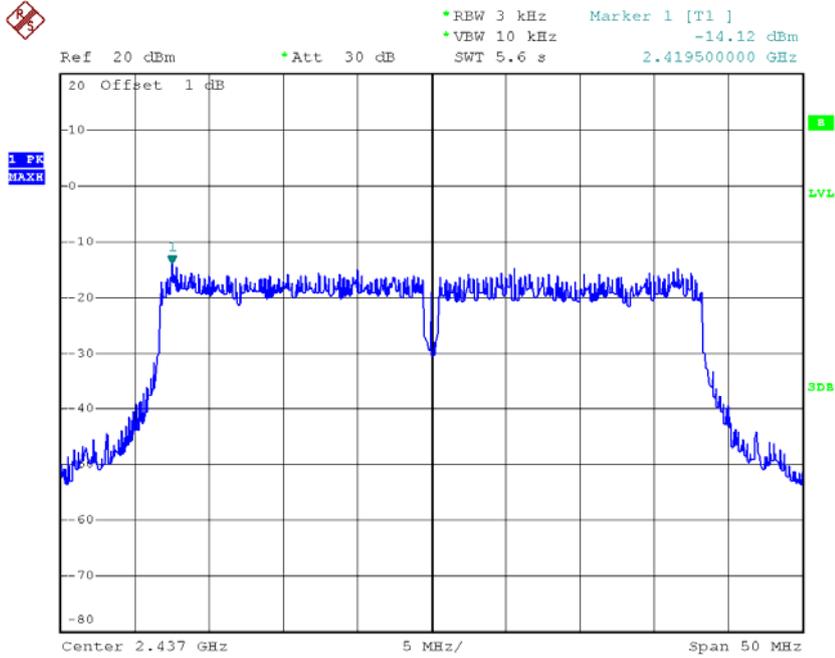
TX CH03



Date: 20.JUN.2014 02:39:15

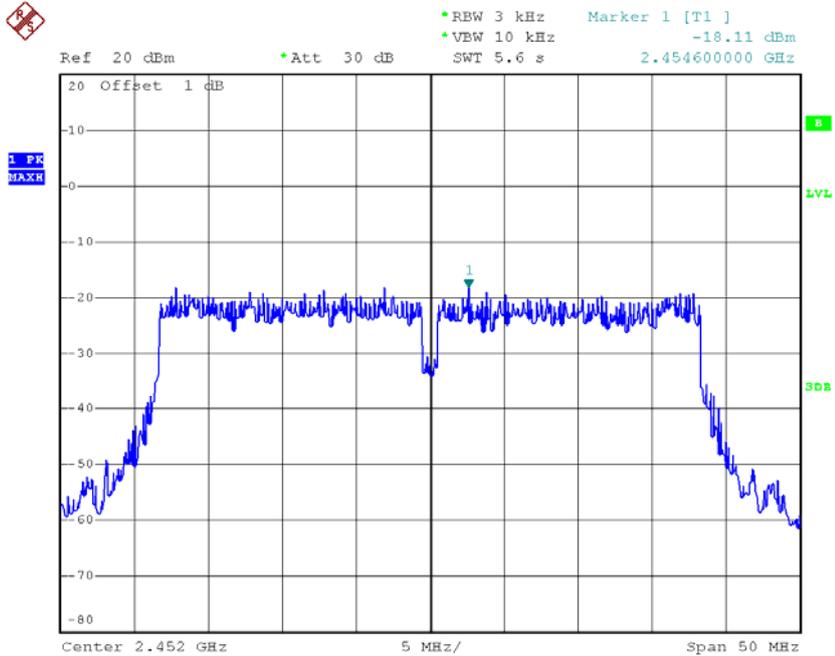


### TX CH06



Date: 20.JUN.2014 02:42:35

### TX CH09



Date: 20.JUN.2014 02:52:11



Test Mode : TX N-40M Mode_CH03/06/09_Total			
Test Channel	Frequency (MHz)	Power Density (dBm)	Limit (dBm)
CH03	2422	-13.79	8
CH06	2437	-11.83	8
CH09	2452	-15.68	8