

FCC&IC Radio Test Report

FCC ID: VW7SR630N

IC: 11130A-SR630N

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

Project No. : 1408C169
Equipment : 802.11n VDSL2 IAD
Model Name : SR630n
Applicant : SmartRG Inc.
Address : 501 SE Columbia Shores Boulevard, Suite 500
Vancouver, Washington 98661

Date of Receipt : Aug. 20, 2014
Date of Test : Aug. 20, 2014~Dec. 26, 2014
Issued Date : Dec. 29, 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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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.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FICP-1-1408C169	Original Issue.	Dec. 29, 2014

1. CERTIFICATION

Equipment : 802.11n VDSL2 IAD
Brand Name : SmartRG
Model Name : SR630n
Applicant : SmartRG Inc.
Manufacturer : SmartRG Inc.
Address : 501 SE Columbia Shores Boulevard, Suite 500 Vancouver, Washington 98661
Factory : 1)Shenzhen Gongjin Electronics Co.,Ltd
2)Taicang T&W Electronics.Co.,Ltd
Address : 1)No 2&3 Buildings, Mingwei Factory Area, Songgang Road West,No. A
Building, 1#Songgang Road Songgang Sub-District, Shenzhen, Guangdong,
518105,P.R.China
2)Jiangnan Road 89, Ludu Town, Taicang, ,Suzhou,Jiangsu, 215412,
P.R.China
Date of Test : Aug. 20, 2014~Dec. 26, 2014
Test Sample : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart C: 2013 (15.247) / ANSI C63.4-2009
Canada RSS-210: 2010
RSS-GEN Issue 4, Nov 2014

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-FICP-1-1408C169) 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: 2013 Canada RSS-210:2010; RSS-GEN Issue 4, Nov 2014				
Standard(s)	Section	Test Item	Judgment	Remark
FCC	IC			
15.207	RSS-GEN 8.8	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, Dongguan, Guangdong, 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 expended 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	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	802.11n VDSL2 IAD	
Brand Name	SmartRG	
Model Name	SR630n	
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: 17.89dBm 802.11g: 21.69dBm 802.11n(20MHz): 25.48dBm 802.11n(40MHz): 25.69dBm
Power Source	DC Voltage supplied from AC/DC adapter. 1#Model: S24B12-120A200-Y4 2#Model: RDA024120020-AC	
Power Rating	1# I/P:100-240V~50/60Hz Max 0.7A O/P:12V 2.0A 2# I/P:100-240V~50/60Hz 0.6A O/P:12V 2.0A	

Note:

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

2. Channel List:

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

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Airgain	N2430GNS	Integral	N/A	5.0	
2	Airgain	N2430GNS	Integral	N/A	5.0	

Note:

- (1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed two transmitters and two receivers (2T2R), all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=5.
- (2) Ant 1 is the worst case for 1TX and recorded as below.

4.

Operating Mode TX Mode	1TX	2TX
802.11b	V (ANT1)	-
802.11g	V (ANT1)	-
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:

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

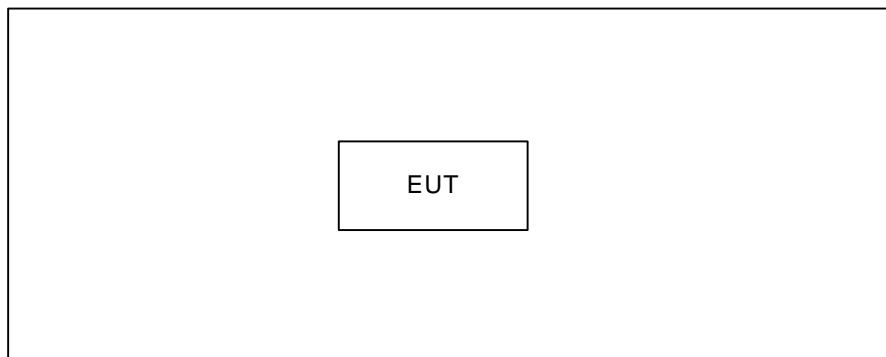
Note:

- (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 (13Mbps)
802.11n HT40 mode : BPSK (27Mbps)
- For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.
- (4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	Duck_1_1-9		
Frequency (MHz)	2412	2437	2462
802.11b	55	59	63
802.11g	50	65	43
802.11n (20MHz)	45	46	41
Frequency	2422	2437	2452
802.11n (40MHz)	37	48	34

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 of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 -0.5	66 to 56*	56 to 46*
0.50 -5.0	56	46
5.0 -30.0	60	50

Note:

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

(2) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)

Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

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

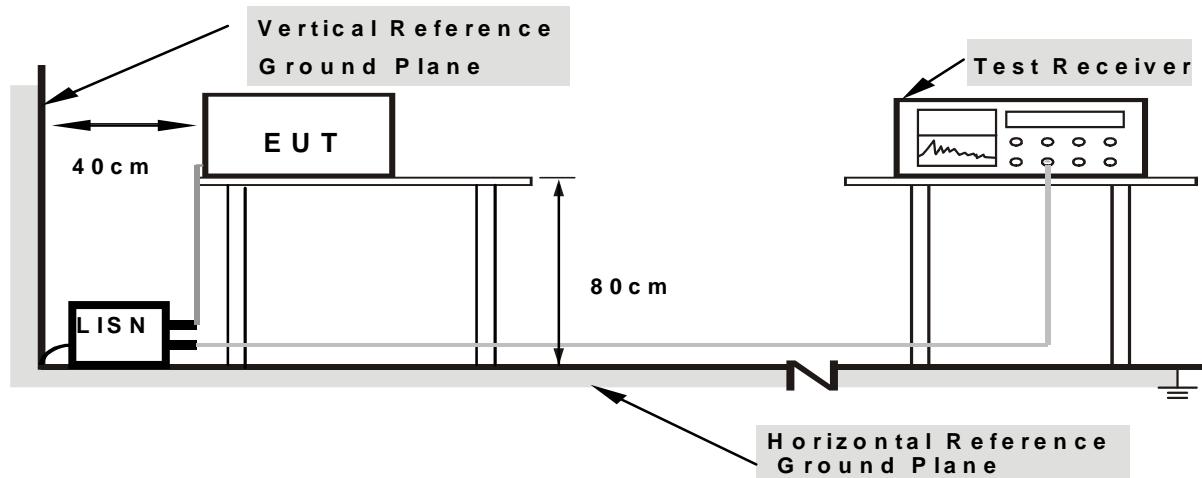
4.1.2 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- 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 cm 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).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	RBW 1MHz VBW 3MHz peak detector for Pk value RMS detector for AV value

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

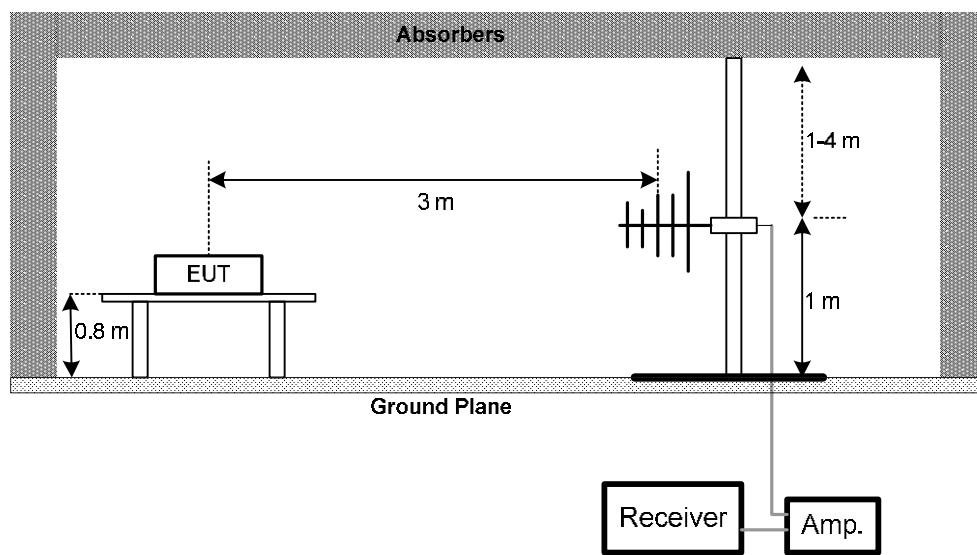
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 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

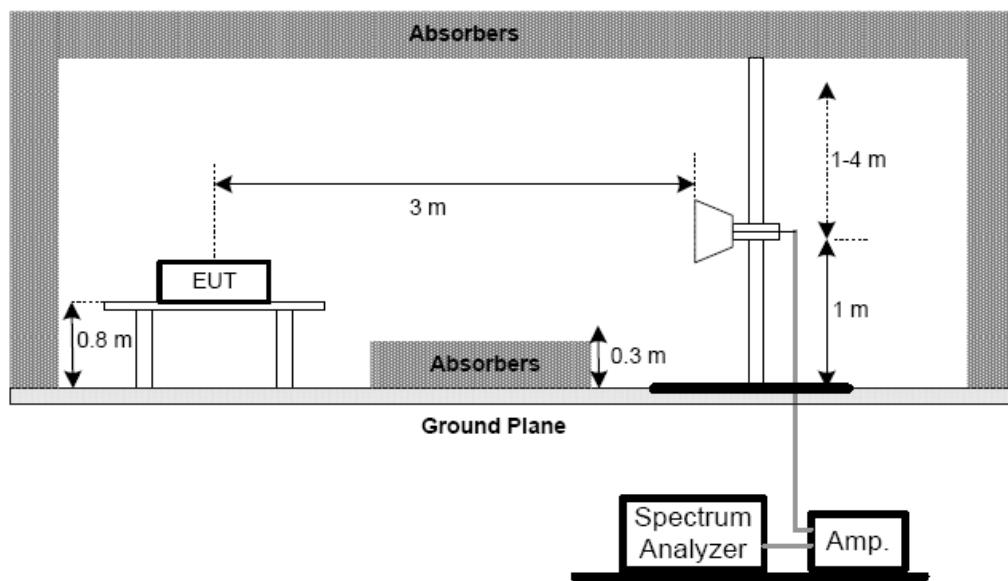
No deviation

4.2.4 TEST SETUP

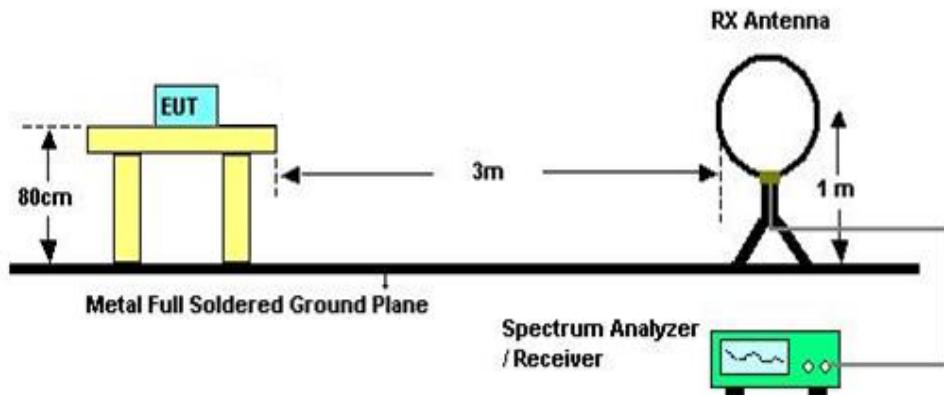
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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 **4.1.5 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.

Remark:

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

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-210			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2) RSS-GEN section 6.6 RSS-210 Annex 8 (A8.2(a))	Bandwidth	2400-2483.5	PASS

5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 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 PEAK CONDUCTED 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

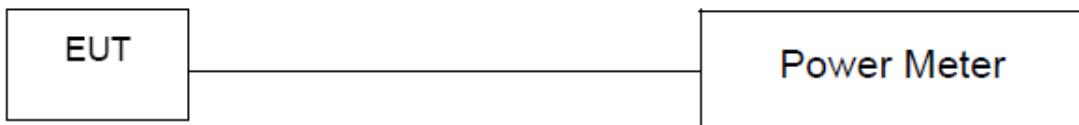
6.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- b. The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance 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 4.1.5 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.

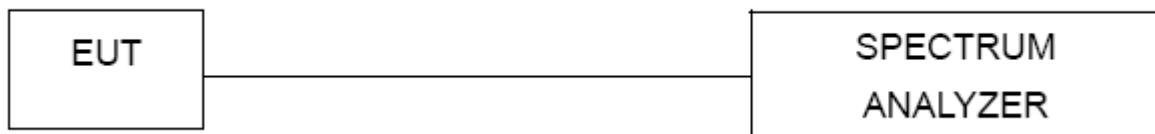
7.1.1 TEST PROCEDURE

- 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 4.1.5 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

- 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 4.1.5 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
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1 -01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 29, 2015
2	Amplifier	HP	8447D	2944A09673	Mar. 29, 2015
3	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 30, 2015
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 01, 2015
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 29, 2015
7	Amplifier	Agilent	8449B	3008A02274	Mar. 29, 2015
8	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 30, 2015
9	Test Cable	HUBER+SUHNER	C-48	N/A	Apr. 30, 2015
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Feb. 22, 2015
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 22, 2015
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 29, 2015
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

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. 02, 2015

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

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****Adapter:Model: S24B12-120A200-Y4**

Conducted Measurement Photos

Adapter:Model: RDA024120020-AC



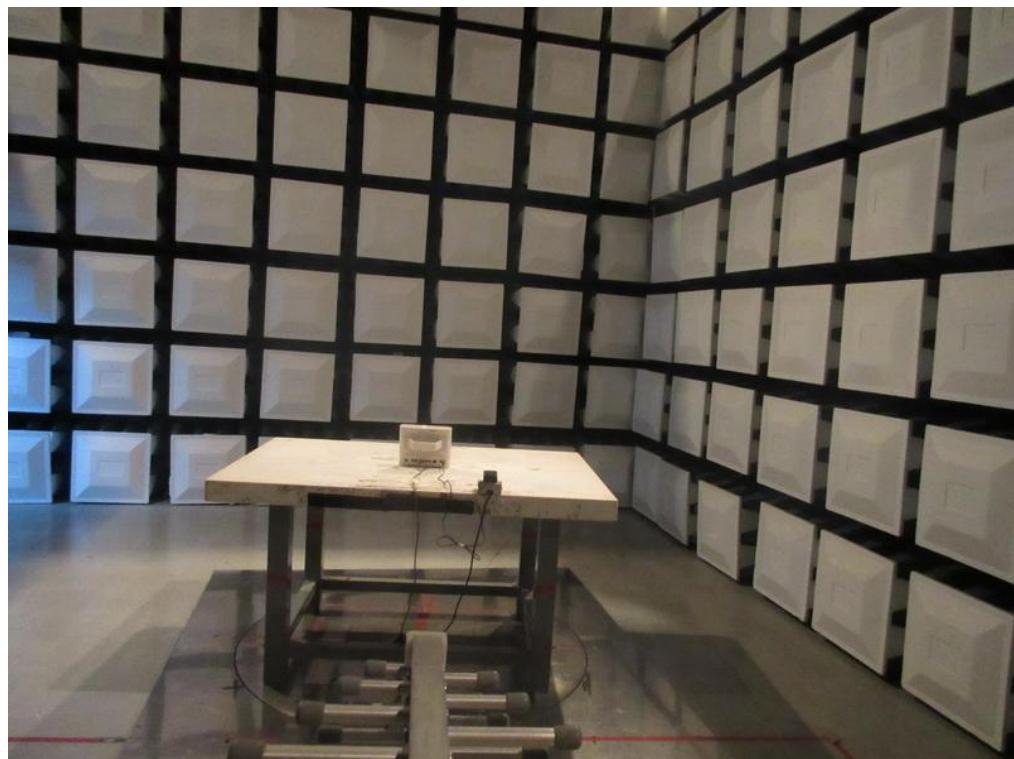
Radiated Measurement Photos

9KHz to 30MHz



Radiated Measurement Photos

**Adapter:Model: S24B12-120A200-Y4
30MHz to 1000MHz**



Radiated Measurement Photos

**Adapter:Model: RDA024120020-AC
30MHz to 1000MHz**



Radiated Measurement Photos

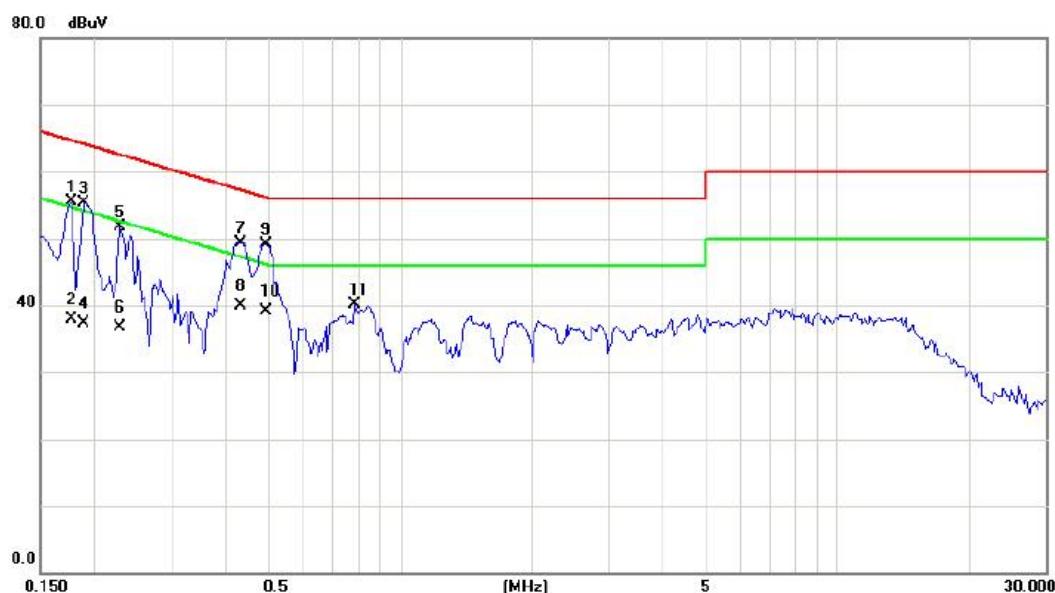
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX MODE_Adapter:Model: S24B12-120A200-Y4

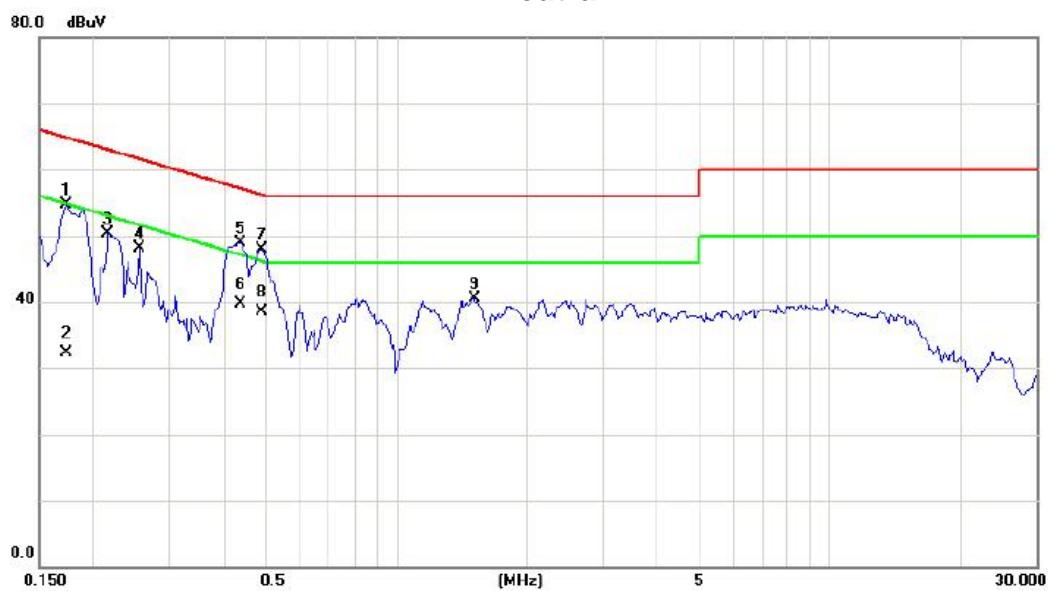
Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1773	45.97	9.53	55.50	64.61	-9.11	peak	
2		0.1773	28.40	9.53	37.93	54.61	-16.68	Avg	
3		0.1891	45.85	9.54	55.39	64.08	-8.69	peak	
4		0.1891	27.70	9.54	37.24	54.08	-16.84	Avg	
5		0.2281	42.11	9.55	51.66	62.52	-10.86	peak	
6		0.2281	27.20	9.55	36.75	52.52	-15.77	Avg	
7		0.4313	39.69	9.66	49.35	57.23	-7.88	peak	
8		0.4313	30.20	9.66	39.86	47.23	-7.37	Avg	
9		0.4938	39.39	9.70	49.09	56.10	-7.01	peak	
10 *		0.4938	29.50	9.70	39.20	46.10	-6.90	Avg	
11		0.7867	30.43	9.65	40.08	56.00	-15.92	peak	

Test Mode : TX MODE_Adapter:Model: S24B12-120A200-Y4

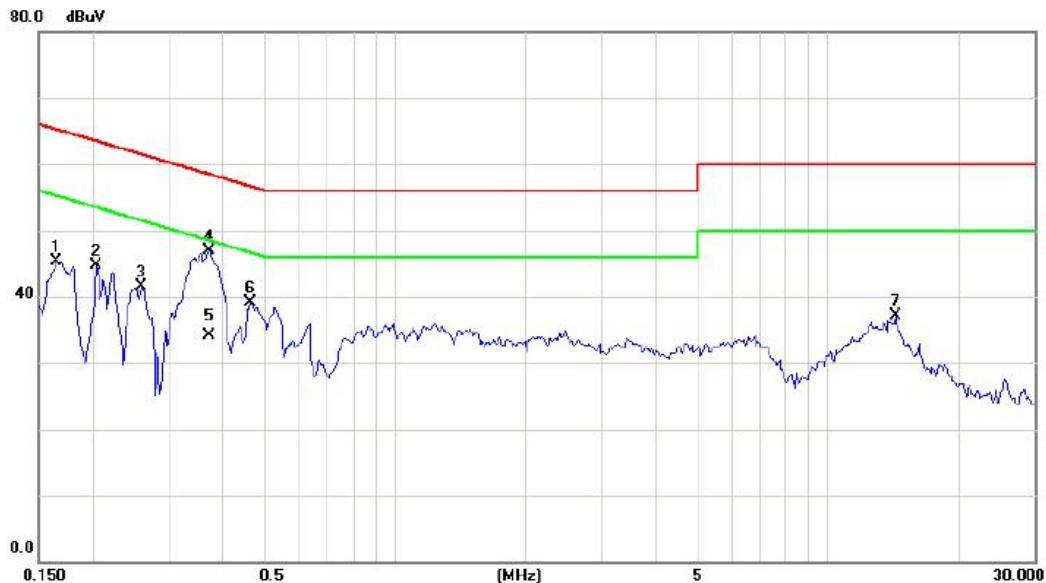
Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1734	45.12	9.62	54.74	64.80	-10.06	peak	
2		0.1734	22.70	9.62	32.32	54.80	-22.48	AVG	
3		0.2164	40.67	9.61	50.28	62.96	-12.68	peak	
4		0.2555	38.54	9.62	48.16	61.58	-13.42	peak	
5		0.4352	39.34	9.63	48.97	57.15	-8.18	peak	
6	*	0.4352	30.10	9.63	39.73	47.15	-7.42	AVG	
7		0.4898	38.34	9.64	47.98	56.17	-8.19	peak	
8		0.4898	28.90	9.64	38.54	46.17	-7.63	AVG	
9		1.5133	30.81	9.71	40.52	56.00	-15.48	peak	

Test Mode : TX MODE_ Adapter:Model: RDA024120020-AC

Line



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dB			
1		0.1655	35.85	9.53	45.38	65.18	-19.80	peak	
2		0.2047	35.14	9.54	44.68	63.42	-18.74	peak	
3		0.2594	31.84	9.58	41.42	61.45	-20.03	peak	
4	*	0.3727	37.34	9.63	46.97	58.44	-11.47	peak	
5		0.3727	24.51	9.63	34.14	48.44	-14.30	AVG	
6		0.4625	29.44	9.68	39.12	56.65	-17.53	peak	
7		14.3125	26.92	10.21	37.13	60.00	-22.87	peak	

Test Mode : TX MODE_Adapter:Model: RDA024120020-AC

Neutral



No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detector	Comment
			dBuV	dB	dBuV	dB			
1		0.1655	41.60	9.62	51.22	65.18	-13.96		peak
2		0.2125	34.30	9.61	43.91	63.11	-19.20		peak
3		0.3102	33.28	9.62	42.90	59.97	-17.07		peak
4	*	0.3648	35.22	9.63	44.85	58.62	-13.77		peak
5		1.3844	26.63	9.70	36.33	56.00	-19.67		peak
6		13.6484	27.56	10.24	37.80	60.00	-22.20		peak

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

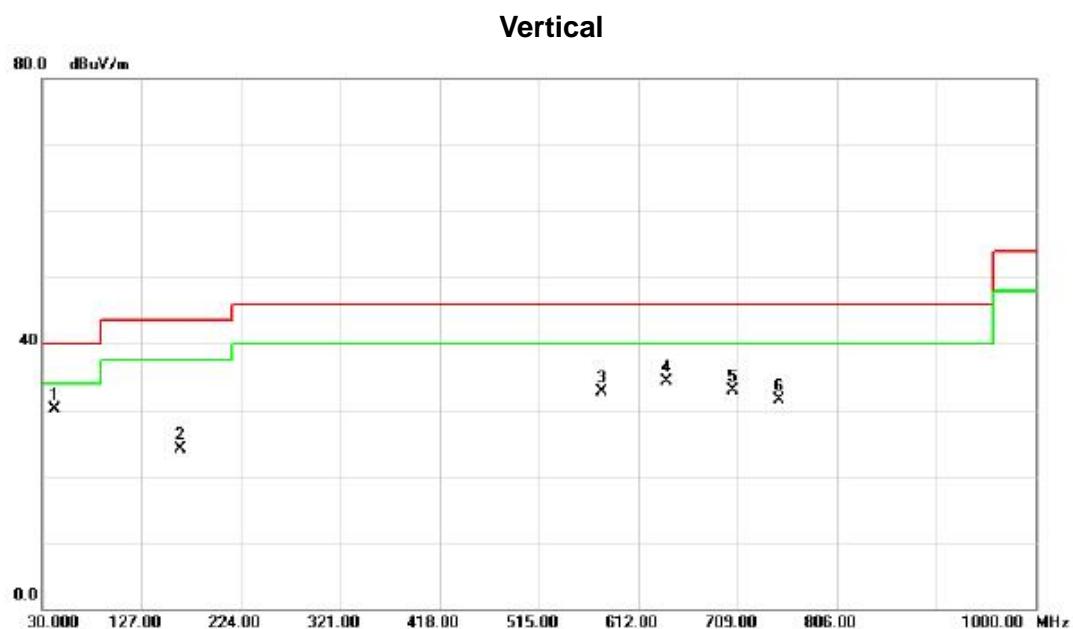
Test Mode:	TX Mode 2412MHz
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Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit(QP) (dBuV/m)	Margin (dB)	Note
0.0119	0°	8.39	24.81	33.20	106.09	-72.89	AVG
0.0119	0°	11.54	24.81	36.35	126.09	-89.74	PEAK
0.0352	0°	9.66	23.34	33.00	96.67	-63.68	AVG
0.0352	0°	12.34	23.34	35.68	116.67	-81.00	PEAK
0.0628	0°	11.51	22.14	33.65	91.65	-57.99	AVG
0.0628	0°	14.89	22.14	37.03	111.65	-74.61	PEAK
0.0745	0°	13.30	21.91	35.21	90.16	-54.95	AVG
0.0745	0°	16.21	21.91	38.12	110.16	-72.04	PEAK
0.4963	0°	18.95	19.81	38.76	73.69	-34.93	QP
1.6722	0°	20.73	19.53	40.26	63.14	-22.88	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit(QP) (dBuV/m)	Margin (dB)	Note
0.0124	90°	9.15	24.30	33.45	125.74	-92.29	AVG
0.0124	90°	12.23	24.30	36.53	145.74	-109.21	PEAK
0.0257	90°	10.35	23.94	34.29	119.41	-85.12	AVG
0.0257	90°	13.01	23.94	36.95	139.41	-102.46	PEAK
0.0340	90°	11.86	23.41	35.27	116.97	-81.70	AVG
0.0340	90°	15.12	23.41	38.53	136.97	-98.44	PEAK
0.0868	90°	13.07	21.66	34.73	108.83	-74.10	AVG
0.0868	90°	17.62	21.66	39.28	128.83	-89.55	PEAK
0.4965	90°	19.48	19.81	39.29	73.69	-34.40	QP
1.6751	90°	21.70	19.53	41.23	63.12	-21.89	QP

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

Test Mode: TX B MODE CHANNEL 01_Adapter:Model: S24B12-120A200-Y4



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	41.6400	44.02	-14.01	30.01	40.00	-9.99	peak
2		164.8300	37.43	-13.34	24.09	43.50	-19.41	peak
3		576.1100	40.55	-7.92	32.63	46.00	-13.37	peak
4		640.1300	39.96	-5.69	34.27	46.00	-11.73	peak
5		704.1500	37.83	-4.90	32.93	46.00	-13.07	peak
6		749.7400	36.18	-4.63	31.55	46.00	-14.45	peak

Test Mode: TX B MODE CHANNEL 01 _ Adapter:Model: S24B12-120A200-Y4

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		277.3500	42.05	-12.54	29.51	46.00	-16.49	peak	
2		384.0500	46.11	-10.25	35.86	46.00	-10.14	peak	
3		640.1300	40.46	-5.69	34.77	46.00	-11.23	peak	
4	*	704.1500	41.94	-4.90	37.04	46.00	-8.96	peak	
5		768.1700	40.25	-4.00	36.25	46.00	-9.75	peak	
6		874.8700	39.15	-2.35	36.80	46.00	-9.20	peak	

Test Mode: TX B MODE CHANNEL 06_Adapter:Model: S24B12-120A200-Y4

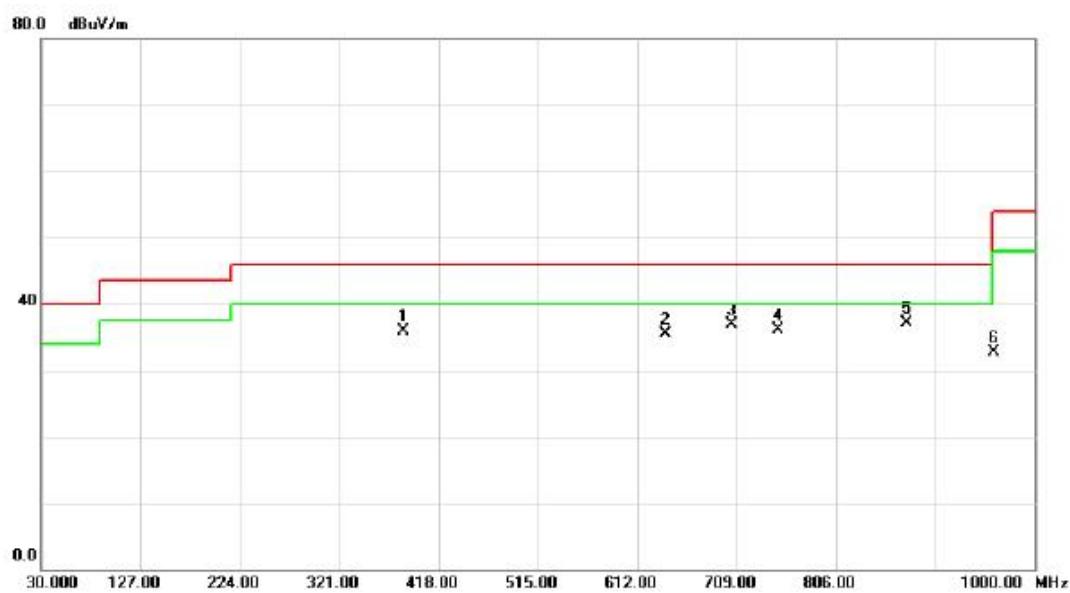
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	47.4600	43.75	-13.82	29.93	40.00	-10.07	peak	
2		512.0900	37.02	-9.89	27.13	46.00	-18.87	peak	
3		576.1100	40.52	-7.92	32.60	46.00	-13.40	peak	
4		640.1300	40.35	-5.69	34.66	46.00	-11.34	peak	
5		704.1500	38.09	-4.90	33.19	46.00	-12.81	peak	
6		749.7400	36.02	-4.63	31.39	46.00	-14.61	peak	

Test Mode: TX B MODE CHANNEL 06_Adapter:Model: S24B12-120A200-Y4

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		384.0500	46.23	-10.25	35.98	46.00	-10.02	peak	
2		640.1300	41.18	-5.69	35.49	46.00	-10.51	peak	
3		704.1500	41.88	-4.90	36.98	46.00	-9.02	peak	
4		749.7400	40.72	-4.63	36.09	46.00	-9.91	peak	
5	*	874.8700	39.43	-2.35	37.08	46.00	-8.92	peak	
6		960.2300	33.04	-0.25	32.79	54.00	-21.21	peak	

Test Mode: TX B MODE CHANNEL 11_Adapter:Model: S24B12-120A200-Y4

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	44.09	-13.82	30.27	40.00	-9.73	peak	
2		384.0500	38.58	-10.25	28.33	46.00	-17.67	peak	
3		576.1100	40.97	-7.92	33.05	46.00	-12.95	peak	
4		640.1300	40.06	-5.69	34.37	46.00	-11.63	peak	
5		704.1500	38.21	-4.90	33.31	46.00	-12.69	peak	
6		749.7400	36.24	-4.63	31.61	46.00	-14.39	peak	

Test Mode: TX B MODE CHANNEL 11_Adapter:Model: S24B12-120A200-Y4

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		384.0500	45.70	-10.25	35.45	46.00	-10.55	peak	
2		640.1300	40.33	-5.69	34.64	46.00	-11.36	peak	
3		704.1500	41.56	-4.90	36.66	46.00	-9.34	peak	
4		749.7400	40.29	-4.63	35.66	46.00	-10.34	peak	
5		800.1800	35.66	-2.89	32.77	46.00	-13.23	peak	
6	*	874.8700	39.42	-2.35	37.07	46.00	-8.93	peak	

Test Mode: TX B MODE CHANNEL 01_Adapter:Model: RDA024120020-AC

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		384.0500	37.59	-10.25	27.34	46.00	-18.66	peak	
2		512.0900	41.06	-9.89	31.17	46.00	-14.83	peak	
3	*	576.1100	46.25	-7.92	38.33	46.00	-7.67	peak	
4		640.1300	42.57	-5.69	36.88	46.00	-9.12	peak	
5		704.1500	38.35	-4.90	33.45	46.00	-12.55	peak	
6		874.8700	37.16	-2.35	34.81	46.00	-11.19	peak	

Test Mode: TX B MODE CHANNEL 01 _ Adapter:Model: RDA024120020-AC

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment Limit dBuV/m	Over dB	Detector	Comment
1		384.0500	47.63	-10.25	37.38	46.00	-8.62	peak
2		576.1100	40.11	-7.92	32.19	46.00	-13.81	peak
3		640.1300	42.06	-5.69	36.37	46.00	-9.63	peak
4		704.1500	42.68	-4.90	37.78	46.00	-8.22	peak
5		749.7400	43.08	-4.63	38.45	46.00	-7.55	peak
6	*	874.8700	41.47	-2.35	39.12	46.00	-6.88	peak

Test Mode: TX B MODE CHANNEL 06_Adapter:Model: RDA024120020-AC

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		384.0500	42.08	-10.25	31.83	46.00	-14.17	peak	
2		512.0900	41.01	-9.89	31.12	46.00	-14.88	peak	
3	*	576.1100	46.33	-7.92	38.41	46.00	-7.59	peak	
4		640.1300	42.04	-5.69	36.35	46.00	-9.65	peak	
5		704.1500	38.79	-4.90	33.89	46.00	-12.11	peak	
6		874.8700	38.05	-2.35	35.70	46.00	-10.30	peak	

Test Mode: TX B MODE CHANNEL 06_Adapter:Model: RDA024120020-AC

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		384.0500	47.92	-10.25	37.67	46.00	-8.33	peak	
2		576.1100	40.23	-7.92	32.31	46.00	-13.69	peak	
3		640.1300	42.11	-5.69	36.42	46.00	-9.58	peak	
4		704.1500	42.85	-4.90	37.95	46.00	-8.05	peak	
5	*	749.7400	43.36	-4.63	38.73	46.00	-7.27	peak	
6		874.8700	40.41	-2.35	38.06	46.00	-7.94	peak	

Test Mode: TX B MODE CHANNEL 11_Adapter:Model: RDA024120020-AC

Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	384.0500	40.88	-10.25	30.63	46.00	-15.37	peak	
2	512.0900	41.09	-9.89	31.20	46.00	-14.80	peak	
3 *	576.1100	46.42	-7.92	38.50	46.00	-7.50	peak	
4	640.1300	42.55	-5.69	36.86	46.00	-9.14	peak	
5	704.1500	37.58	-4.90	32.68	46.00	-13.32	peak	
6	874.8700	36.92	-2.35	34.57	46.00	-11.43	peak	

Test Mode: TX B MODE CHANNEL 11_Adapter:Model: RDA024120020-AC

Horizontal

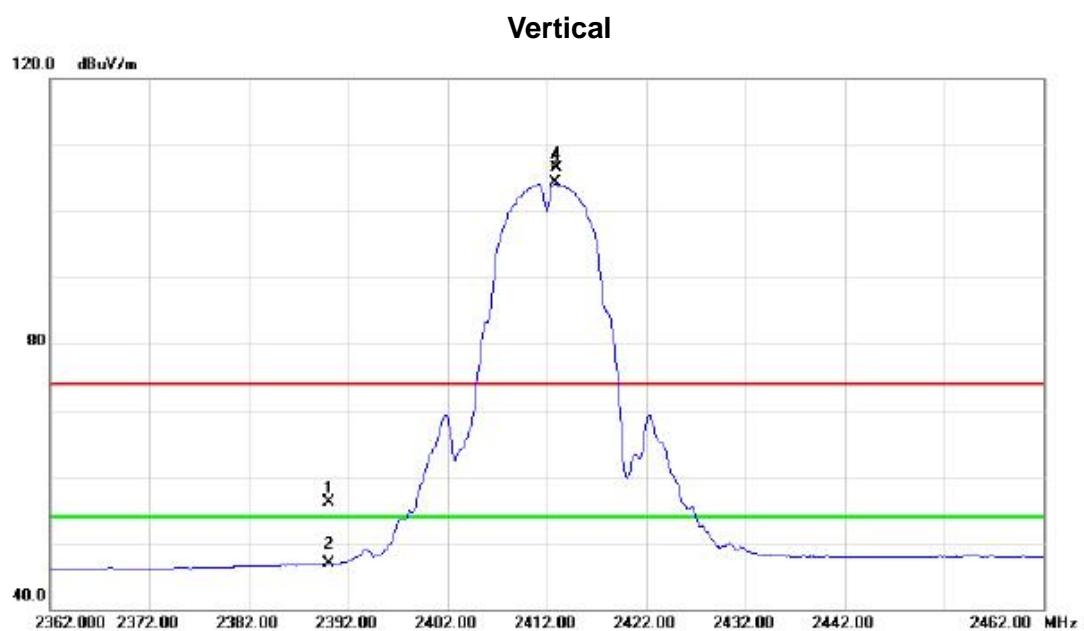


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		384.0500	47.82	-10.25	37.57	46.00	-8.43	peak	
2		576.1100	40.07	-7.92	32.15	46.00	-13.85	peak	
3		640.1300	42.17	-5.69	36.48	46.00	-9.52	peak	
4		704.1500	42.49	-4.90	37.59	46.00	-8.41	peak	
5	*	749.7400	43.09	-4.63	38.46	46.00	-7.54	peak	
6		874.8700	40.63	-2.35	38.28	46.00	-7.72	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis : X

Test Mode : TX B MODE 2412MHz



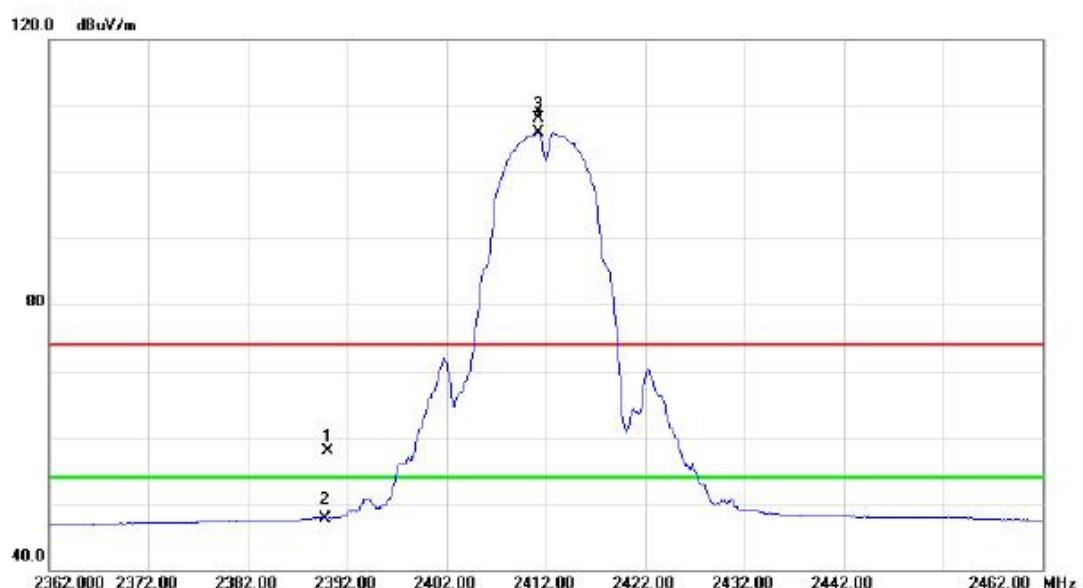
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Comment
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dB	Detector	
1		2390.000	24.21	31.88	56.09	74.00	-17.91	peak
2		2390.000	15.00	31.88	46.88	54.00	-7.12	AVG
3	*	2412.800	72.31	31.91	104.22	54.00	50.22	AVG no limit
4	X	2413.000	74.56	31.91	106.47	74.00	32.47	peak no limit

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

Vertical

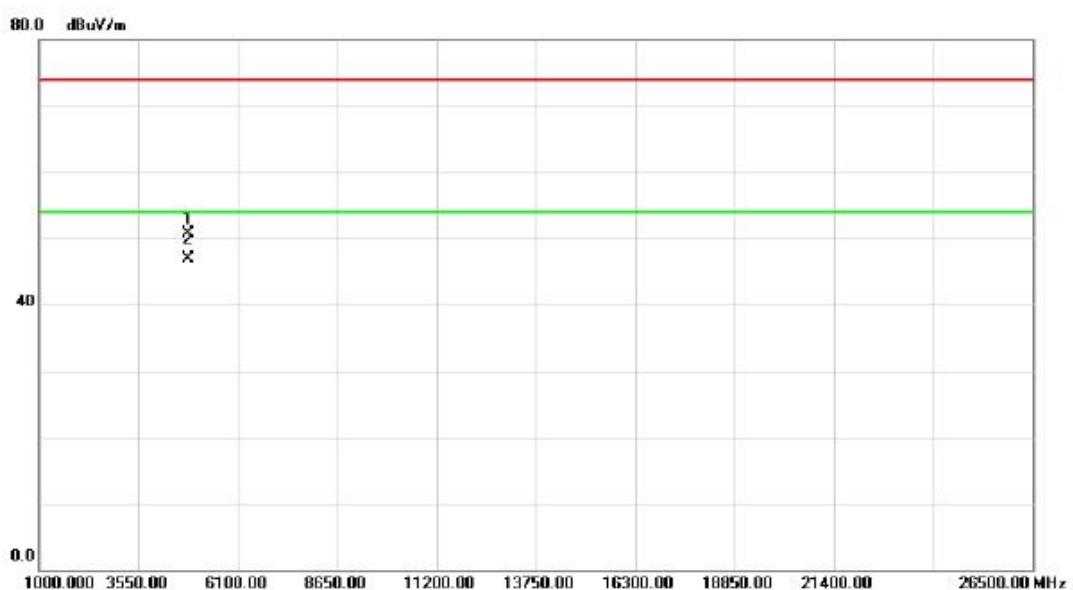
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4824.000	49.50	3.62	53.12	74.00	-20.88	peak
2	*	4824.005	46.69	3.62	50.31	54.00	-3.69	AVG

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

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	26.04	31.88	57.92	74.00	-16.08	peak	
2		2390.000	15.90	31.88	47.78	54.00	-6.22	Avg	
3	X	2411.200	76.15	31.91	108.06	74.00	34.06	peak	no limit
4	*	2411.300	74.02	31.91	105.93	54.00	51.93	Avg	no limit

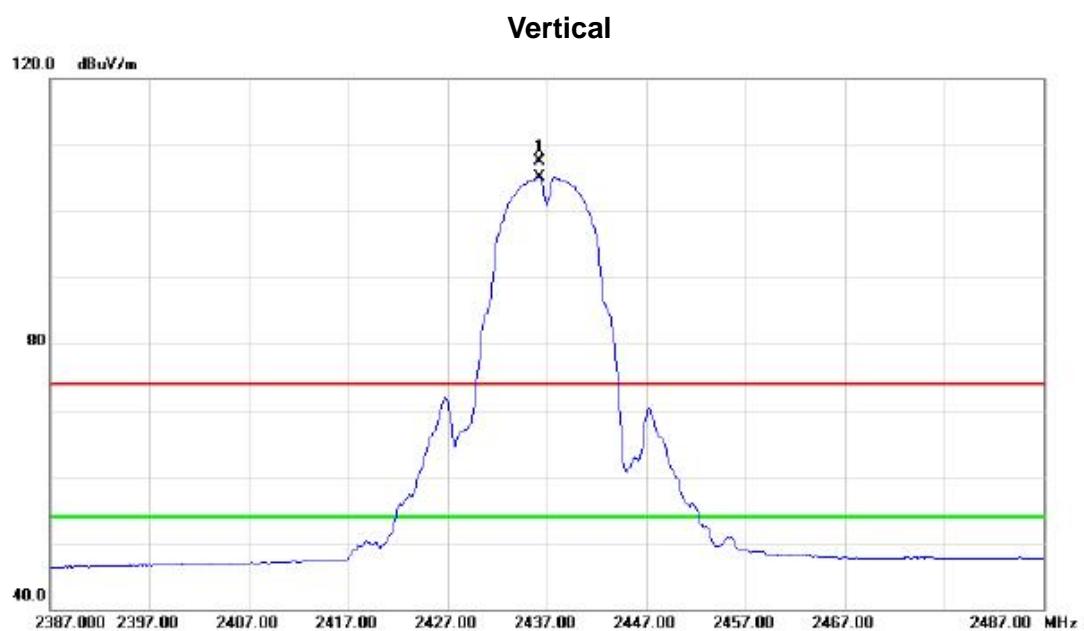
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over Detector	Comment
1		4823.980	47.15	3.62	50.77	74.00	-23.23	peak
2	*	4824.035	43.33	3.62	46.95	54.00	-7.05	AVG

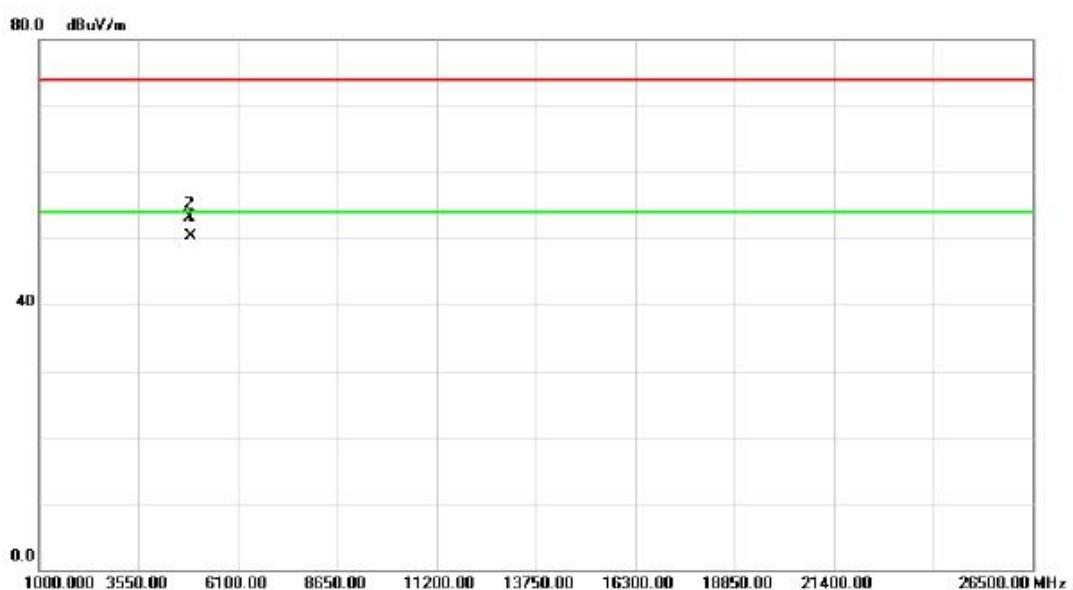
Orthogonal Axis : X

Test Mode : TX B MODE 2437MHz



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	X	2436.200	75.56	31.94	107.50	74.00	33.50	peak	no limit
2	*	2436.200	73.25	31.94	105.19	54.00	51.19	AVG	no limit

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

Vertical

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	*	4874.025	46.60	3.72	50.32	54.00	-3.68	AVG	
2		4874.030	49.43	3.72	53.15	74.00	-20.85	peak	

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

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Comment
			Level	Factor	ment			
1	X	2436.200	76.24	31.94	108.18	74.00	34.18	peak no limit
2	*	2436.200	73.85	31.94	105.79	54.00	51.79	AVG no limit

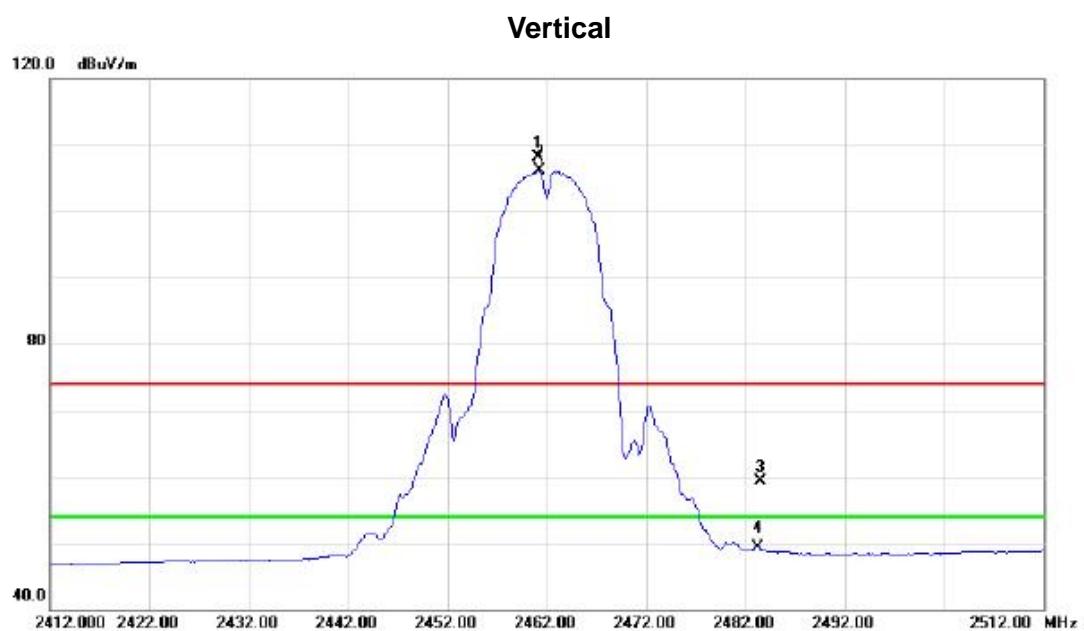
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	*	4874.040	45.85	3.72	49.57	54.00	-4.43	AVG	
2		4874.085	48.98	3.72	52.70	74.00	-21.30	peak	

Orthogonal Axis : X

Test Mode : TX B MODE 2462MHz



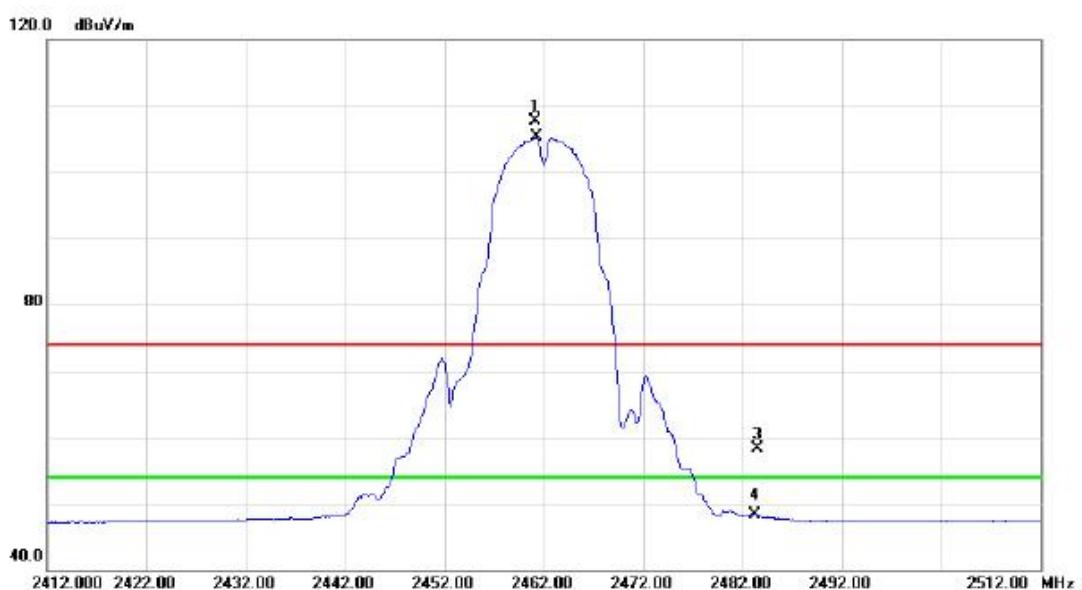
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB	
1	X	2461.100	76.14	31.98	108.12	74.00	34.12	peak no limit
2	*	2461.200	74.16	31.98	106.14	54.00	52.14	AVG no limit
3		2483.500	27.31	32.01	59.32	74.00	-14.68	peak
4		2483.500	17.23	32.01	49.24	54.00	-4.76	AVG

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

Vertical

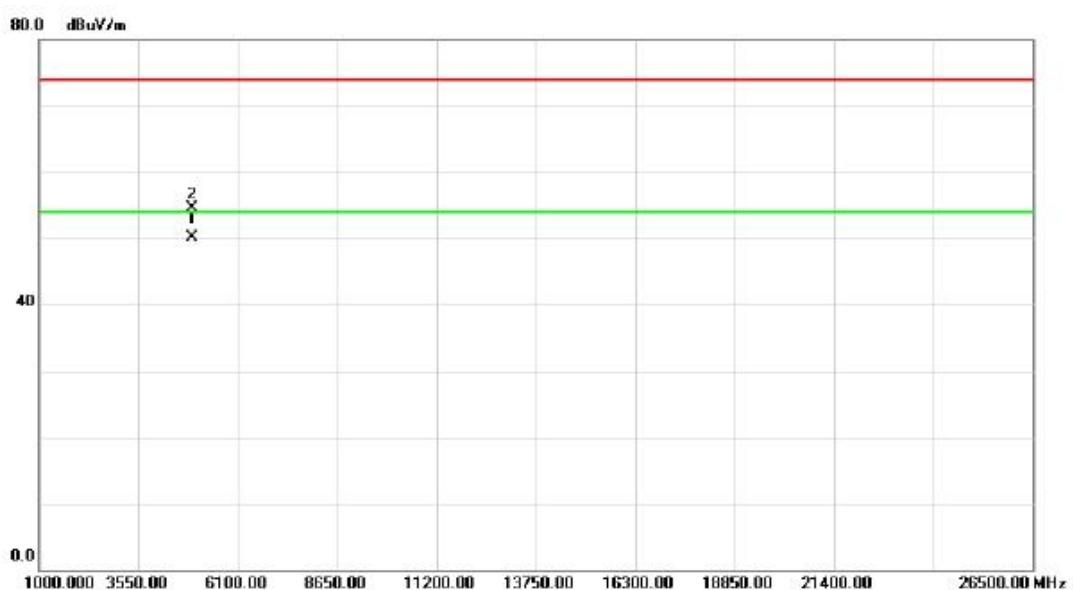
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	*	4924.025	45.53	3.80	49.33	54.00	-4.67	AVG	
2		4924.045	48.64	3.80	52.44	74.00	-21.56	peak	

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

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	X	2461.100	75.69	31.98	107.67	74.00	33.67	peak	no limit
2	*	2461.200	73.26	31.98	105.24	54.00	51.24	AVG	no limit
3		2483.500	26.33	32.01	58.34	74.00	-15.66	peak	
4		2483.500	16.32	32.01	48.33	54.00	-5.67	AVG	

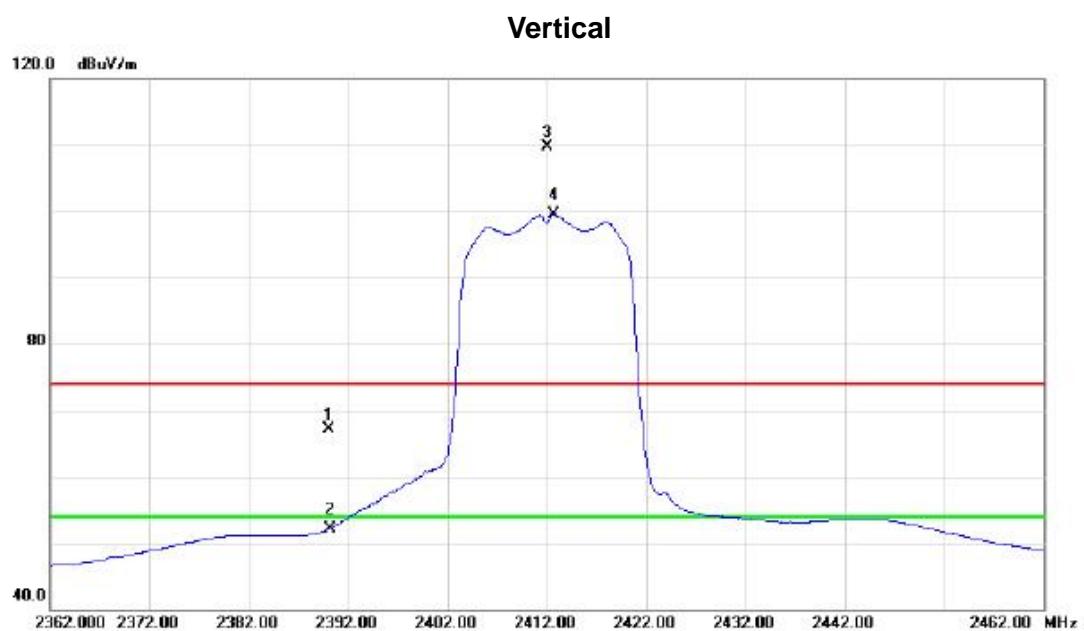
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	*	4924.005	46.30	3.80	50.10	54.00	-3.90	AVG
2		4924.130	50.79	3.80	54.59	74.00	-19.41	peak

Orthogonal Axis : X

Test Mode : TX G MODE 2412MHz



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	35.29	31.88	67.17	74.00	-6.83	peak	
2		2390.000	20.23	31.88	52.11	54.00	-1.89	AVG	
3	X	2412.100	77.73	31.91	109.64	74.00	35.64	peak	no limit
4	*	2412.700	67.55	31.91	99.46	54.00	45.46	AVG	no limit

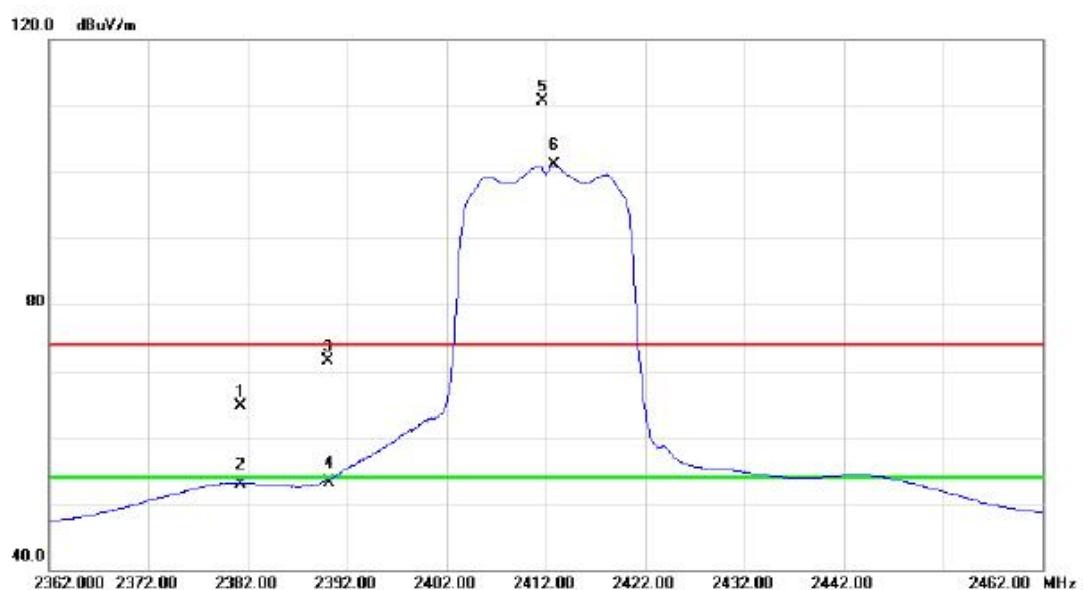
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

Vertical

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	*	4824.300	37.51	3.62	41.13	54.00	-12.87	AVG	
2		4825.800	51.15	3.62	54.77	74.00	-19.23	peak	

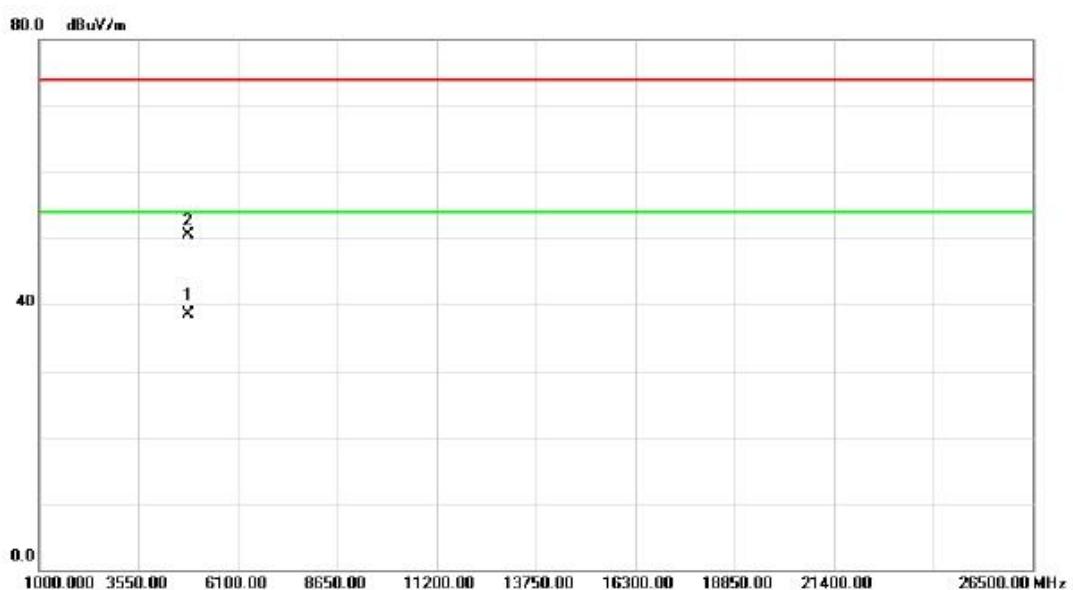
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2381.300	32.74	31.87	64.61	74.00	-9.39	peak	
2		2381.300	21.06	31.87	52.93	54.00	-1.07	AVG	
3		2390.000	39.57	31.88	71.45	74.00	-2.55	peak	
4		2390.000	21.19	31.88	53.07	54.00	-0.93	AVG	
5	X	2411.700	78.72	31.91	110.63	74.00	36.63	peak	no limit
6	*	2412.900	69.11	31.91	101.02	54.00	47.02	AVG	no limit

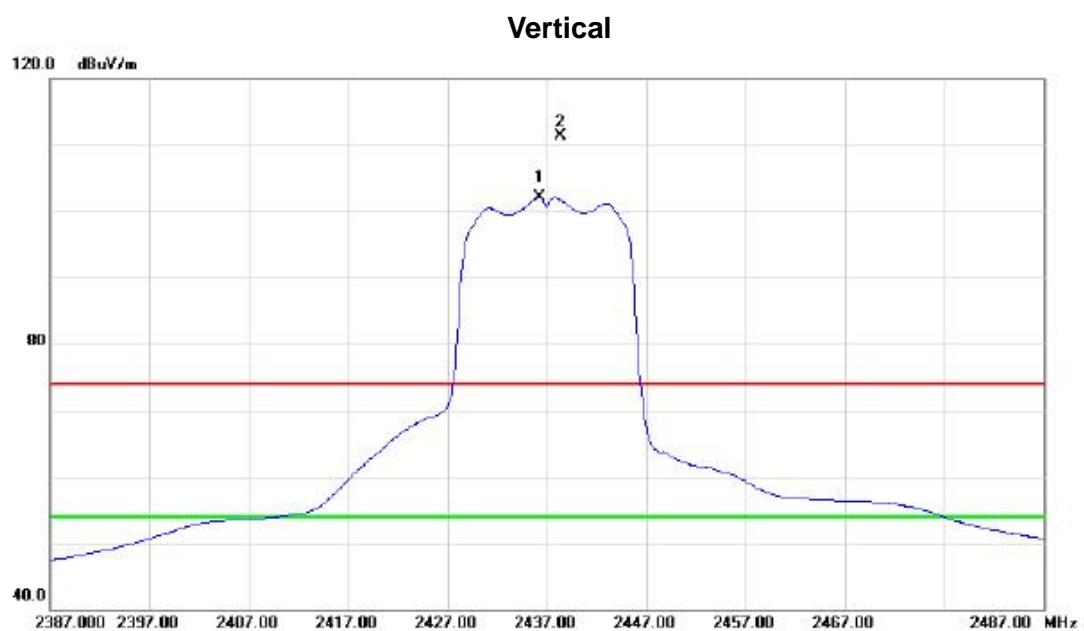
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	*	4823.800	34.80	3.62	38.42	54.00	-15.58	AVG	
2		4824.900	46.90	3.62	50.52	74.00	-23.48	peak	

Orthogonal Axis : X

Test Mode : TX G MODE 2437MHz



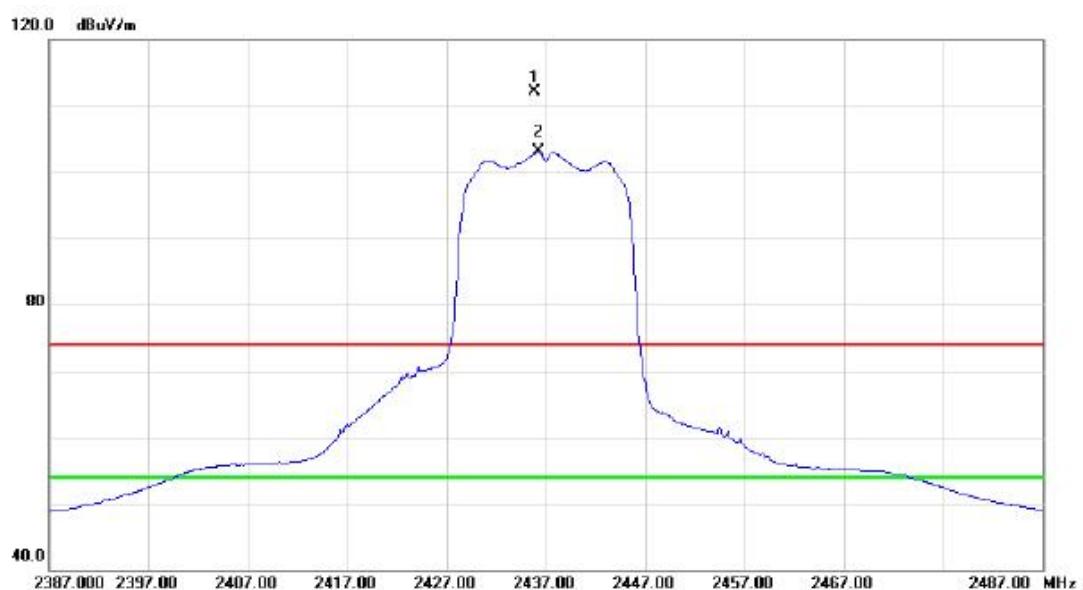
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2436.300	70.13	31.94	102.07	54.00	48.07	AVG	no limit
2	X	2438.400	79.31	31.94	111.25	74.00	37.25	peak	no limit

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

Vertical

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	*	4874.900	36.62	3.72	40.34	54.00	-13.66	AVG	
2		4875.300	49.42	3.72	53.14	74.00	-20.86	peak	

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

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	X	2435.900	80.16	31.94	112.10	74.00	38.10	peak	no limit
2	*	2436.200	71.10	31.94	103.04	54.00	49.04	AVG	no limit

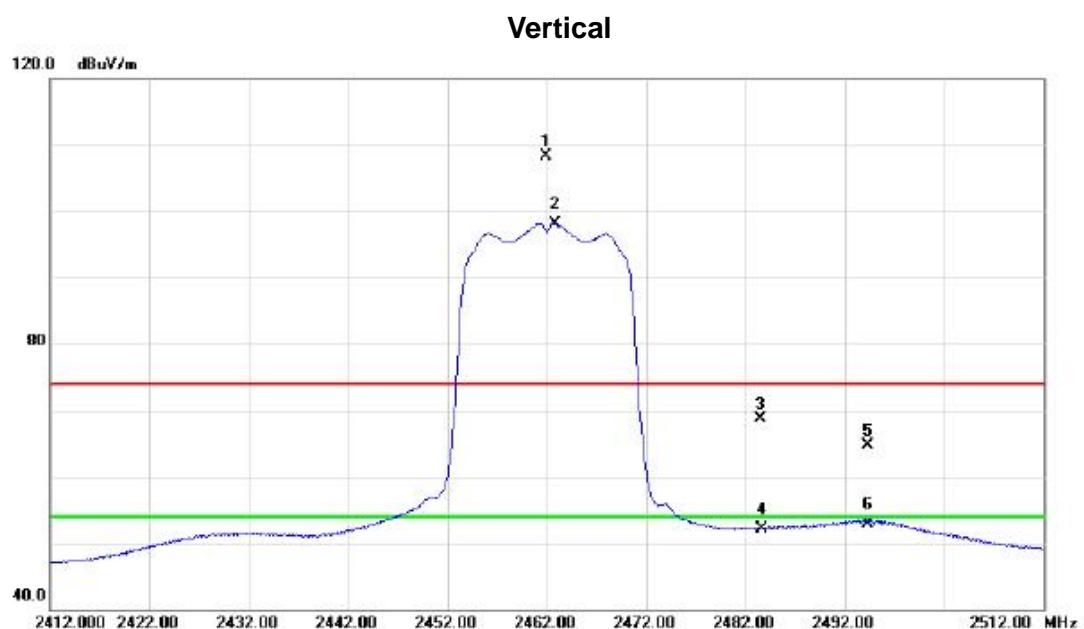
Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over Detector	Comment
1		4873.600	49.32	3.72	53.04	74.00	-20.96	peak
2	*	4874.900	36.03	3.72	39.75	54.00	-14.25	AVG

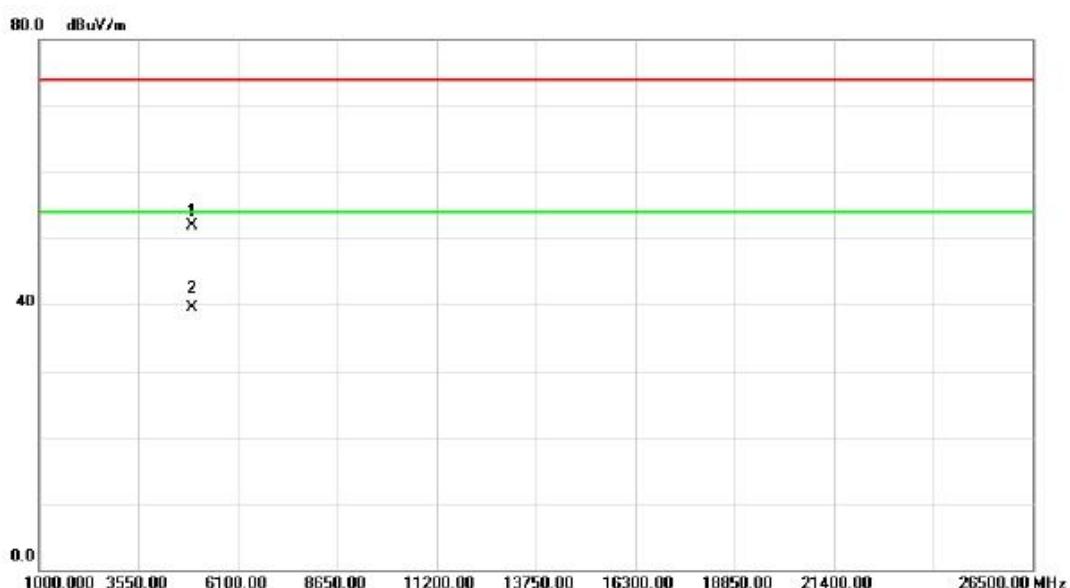
Orthogonal Axis : X

Test Mode : TX G MODE 2462MHz



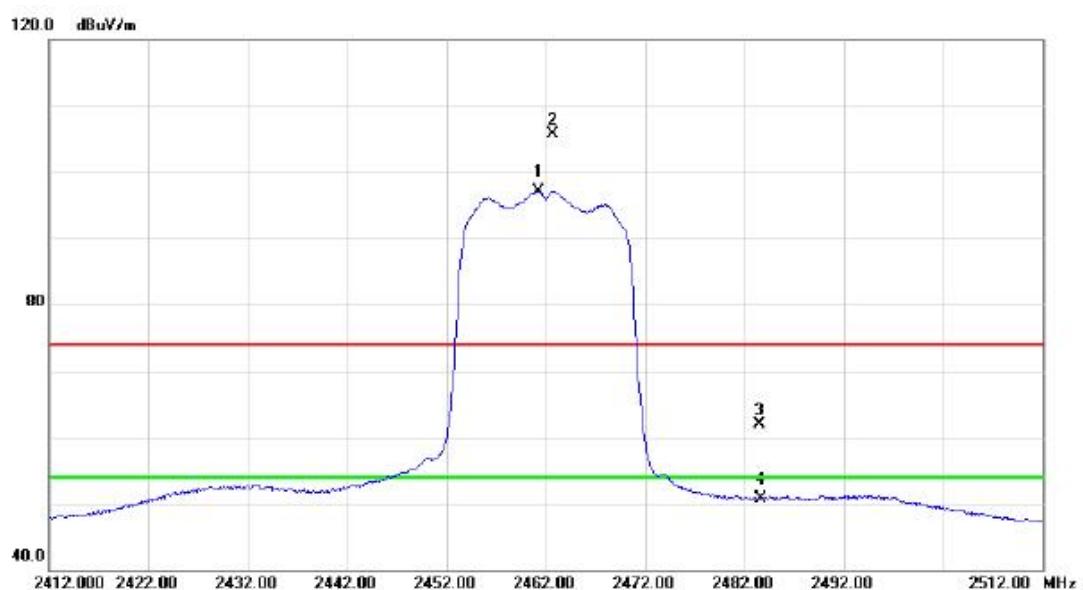
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	X	2461.900	76.35	31.98	108.33	74.00	34.33	peak	no limit
2	*	2462.800	66.22	31.98	98.20	54.00	44.20	AVG	no limit
3		2483.500	36.68	32.01	68.69	74.00	-5.31	peak	
4		2483.500	20.01	32.01	52.02	54.00	-1.98	AVG	
5		2494.300	32.68	32.03	64.71	74.00	-9.29	peak	
6		2494.300	20.96	32.03	52.99	54.00	-1.01	AVG	

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

Vertical

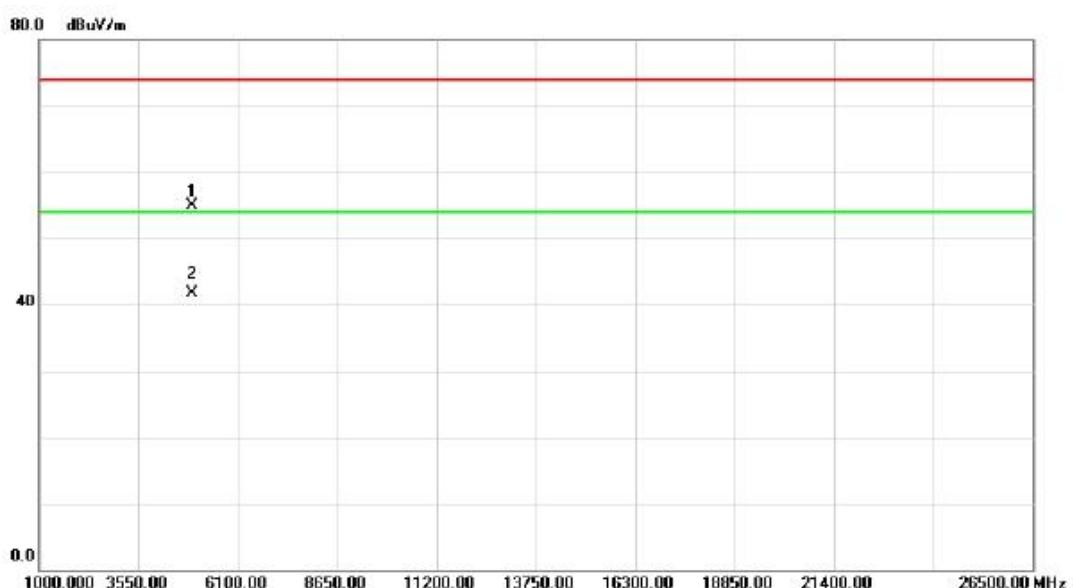
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4924.700	48.02	3.80	51.82	74.00	-22.18	peak	
2	*	4925.500	35.72	3.80	39.52	54.00	-14.48	AVG	

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

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2461.200	65.20	31.98	97.18	54.00	43.18	AVG	no limit
2	X	2462.700	73.78	31.98	105.76	74.00	31.76	peak	no limit
3		2483.500	29.83	32.01	61.84	74.00	-12.16	peak	
4		2483.530	18.72	32.01	50.73	54.00	-3.27	AVG	

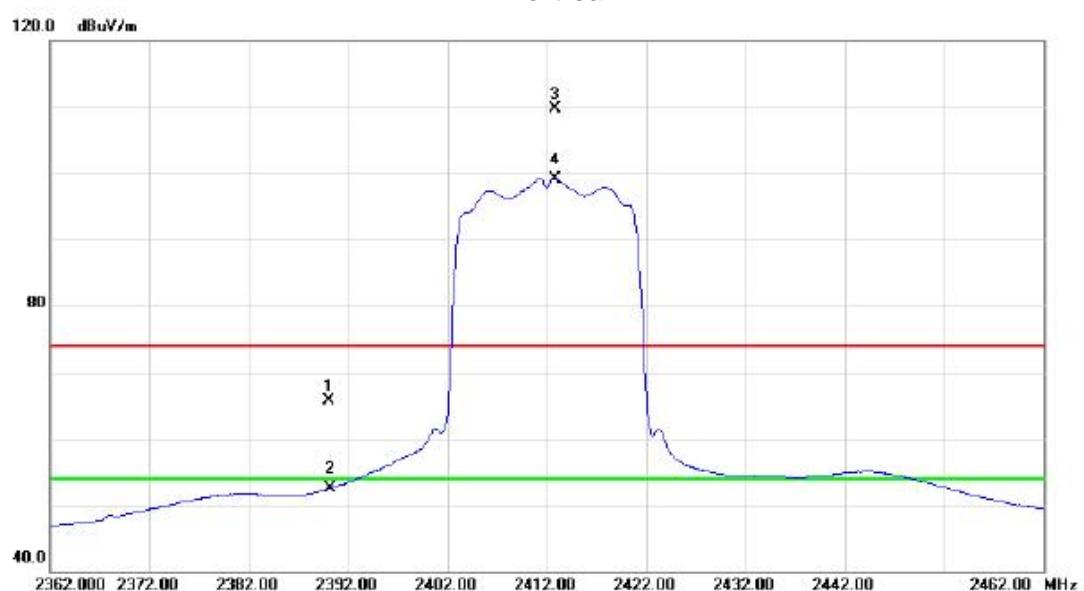
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4923.100	51.17	3.80	54.97	74.00	-19.03	peak	
2	*	4924.400	37.85	3.80	41.65	54.00	-12.35	AVG	

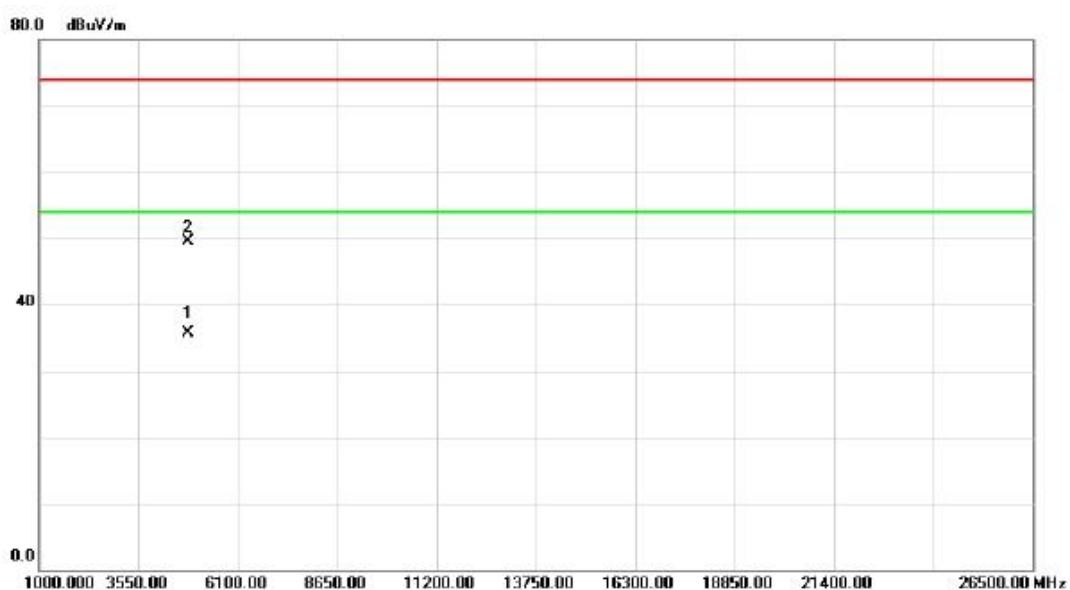
Orthogonal Axis : X

Test Mode : TX N-20M MODE 2412MHz

Vertical

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	33.73	31.88	65.61	74.00	-8.39	peak	
2		2390.000	20.53	31.88	52.41	54.00	-1.59	AVG	
3	X	2412.800	77.85	31.91	109.76	74.00	35.76	peak	no limit
4	*	2412.800	67.25	31.91	99.16	54.00	45.16	AVG	no limit

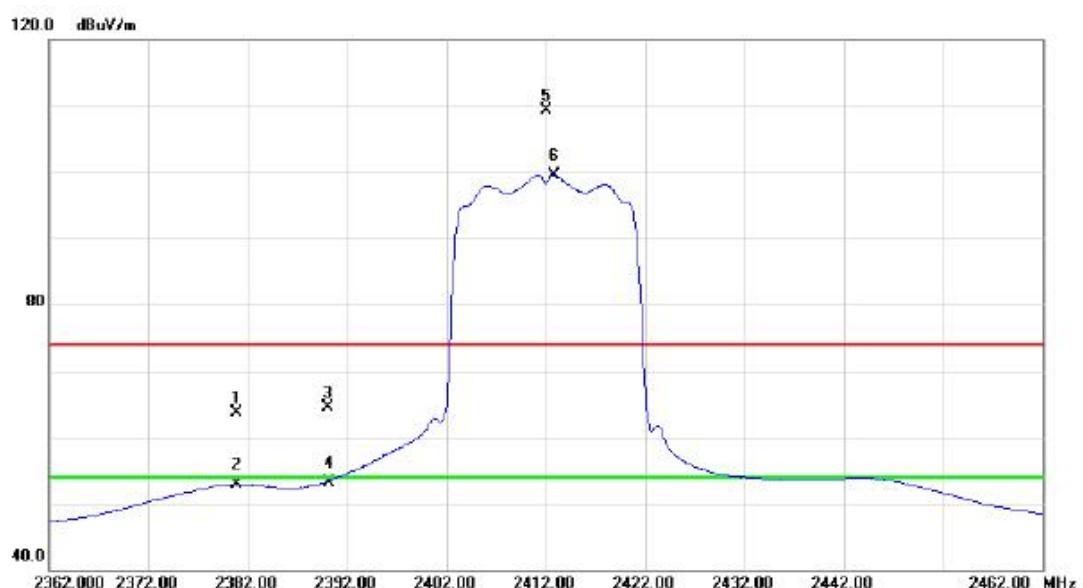
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

Vertical

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	*	4824.200	32.16	3.62	35.78	54.00	-18.22	AVG
2		4824.800	45.97	3.62	49.59	74.00	-24.41	peak

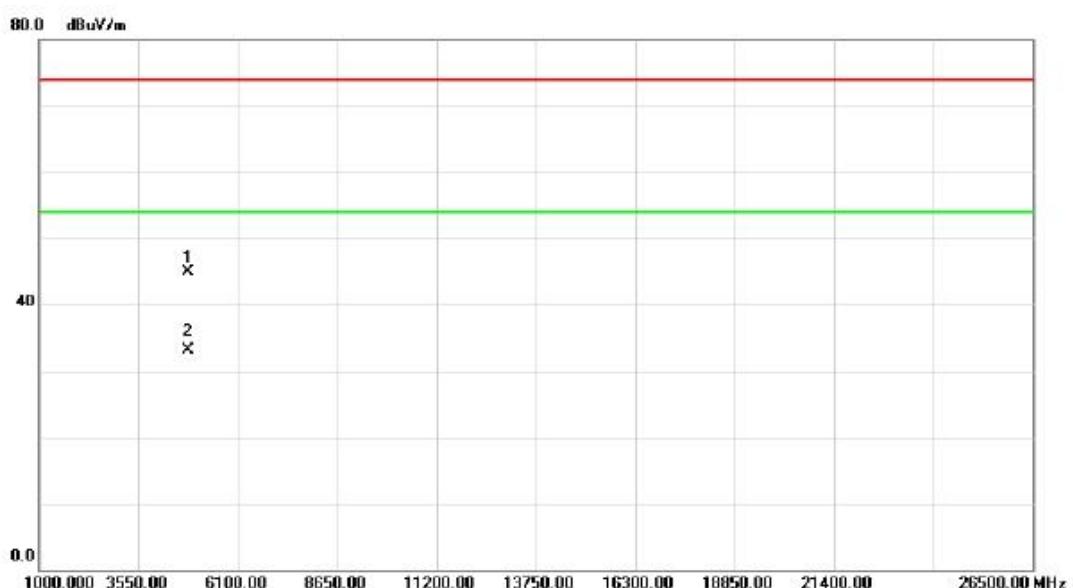
Orthogonal Axis : X

Test Mode : TX N-20M MODE 2412MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		2380.900	31.92	31.86	63.78	74.00	-10.22	peak
2		2380.900	21.02	31.86	52.88	54.00	-1.12	AVG
3		2390.000	32.56	31.88	64.44	74.00	-9.56	peak
4		2390.000	21.13	31.88	53.01	54.00	-0.99	AVG
5	X	2412.000	77.41	31.91	109.32	74.00	35.32	peak no limit
6	*	2412.800	67.66	31.91	99.57	54.00	45.57	AVG no limit

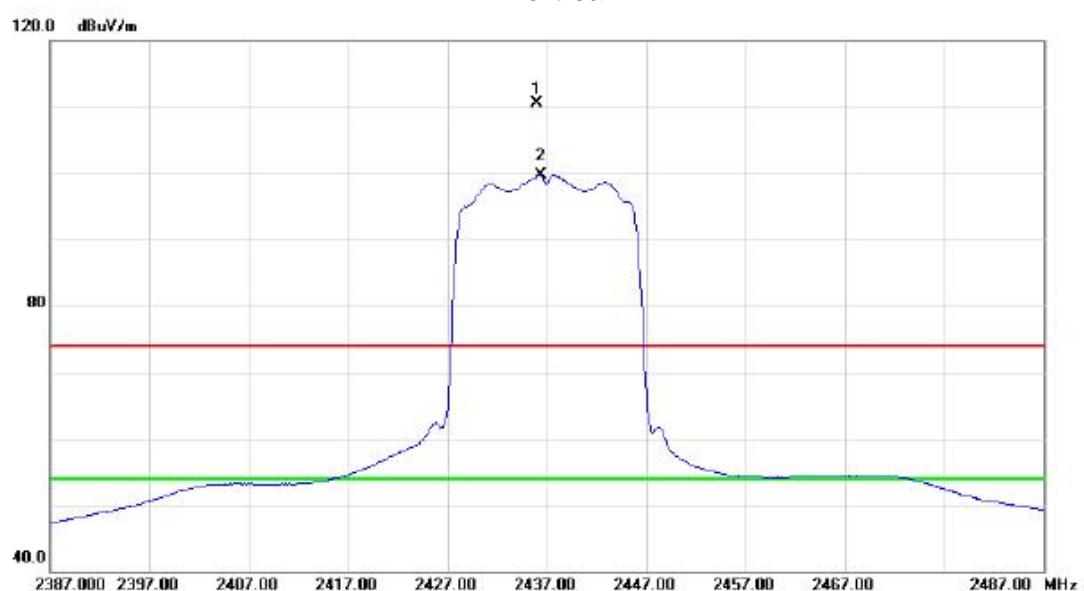
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4823.200	41.32	3.62	44.94	74.00	-29.06	peak	
2	*	4824.200	29.58	3.62	33.20	54.00	-20.80	Avg	

Orthogonal Axis : X

Test Mode : TX N-20M MODE 2437MHz

Vertical

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2436.000	78.55	31.94	110.49	74.00	36.49	peak	no limit
2	*	2436.400	67.75	31.94	99.69	54.00	45.69	AVG	no limit

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

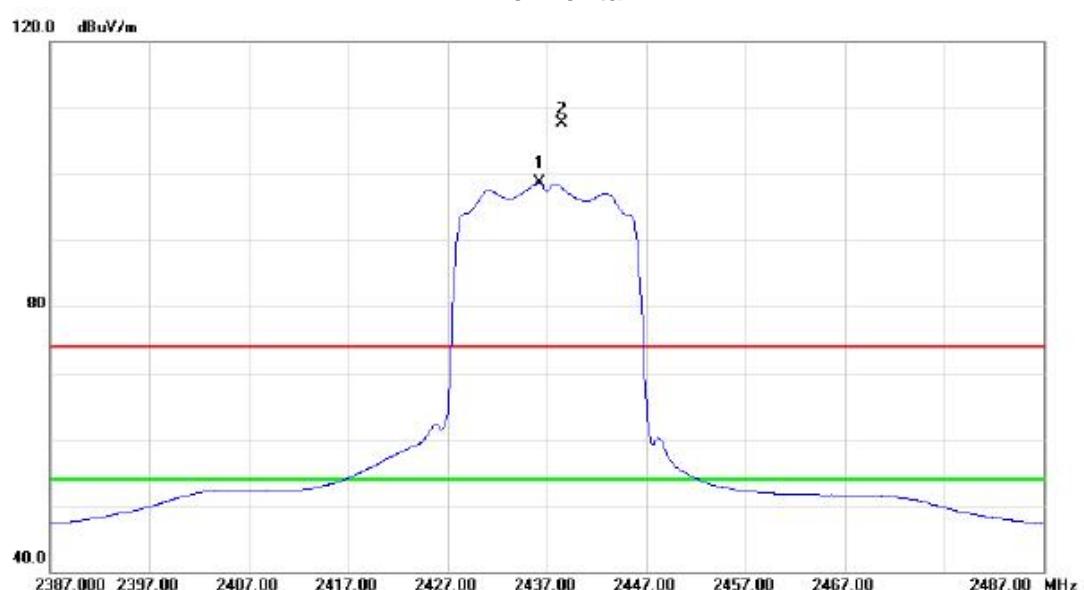
Vertical

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4874.900	42.98	3.72	46.70	74.00	-27.30	peak
2	*	4875.000	30.87	3.72	34.59	54.00	-19.41	AVG

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



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2436.200	66.72	31.94	98.66	54.00	44.66	AVG no limit
2	X	2438.500	75.80	31.94	107.74	74.00	33.74	peak no limit

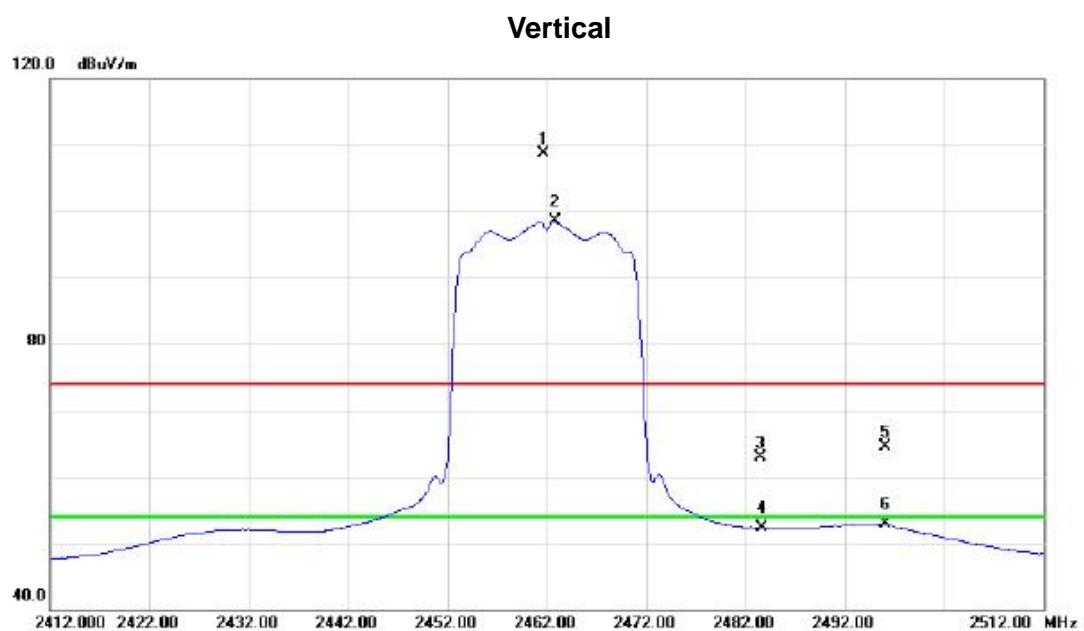
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4873.200	41.44	3.72	45.16	74.00	-28.84	peak	
2	*	4874.000	29.79	3.72	33.51	54.00	-20.49	AVG	

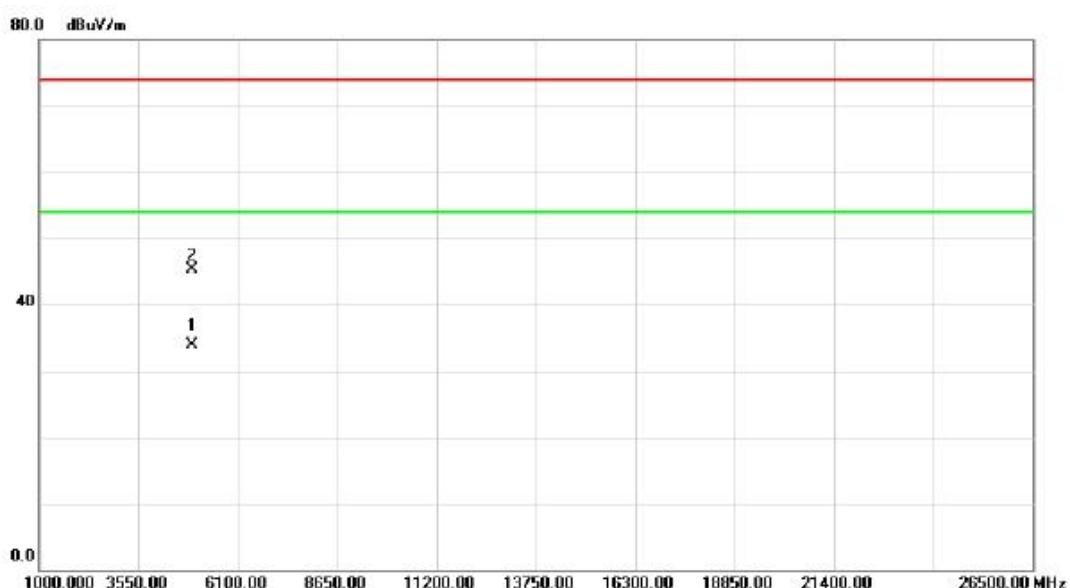
Orthogonal Axis :	X
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Test Mode :	TX N-20M MODE 2462MHz
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No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	X	2461.600	76.79	31.98	108.77	74.00	34.77	peak	no limit
2	*	2462.800	66.57	31.98	98.55	54.00	44.55	AVG	no limit
3		2483.500	30.80	32.01	62.81	74.00	-11.19	peak	
4		2483.500	20.33	32.01	52.34	54.00	-1.66	AVG	
5		2496.000	32.44	32.03	64.47	74.00	-9.53	peak	
6		2496.000	20.94	32.03	52.97	54.00	-1.03	AVG	

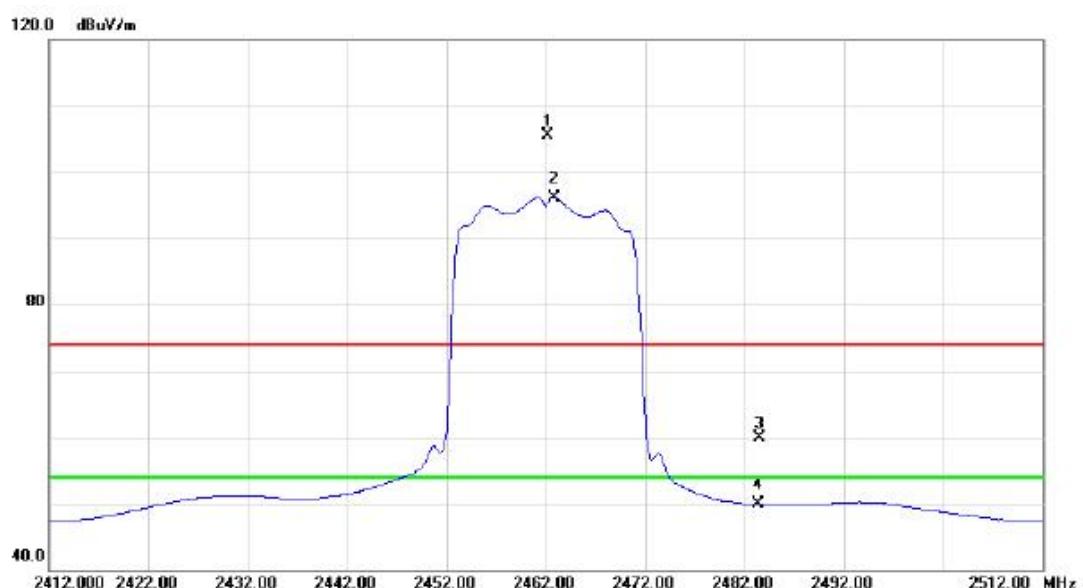
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

Vertical

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	*	4924.000	30.02	3.80	33.82	54.00	-20.18	AVG	
2		4925.100	41.47	3.80	45.27	74.00	-28.73	peak	

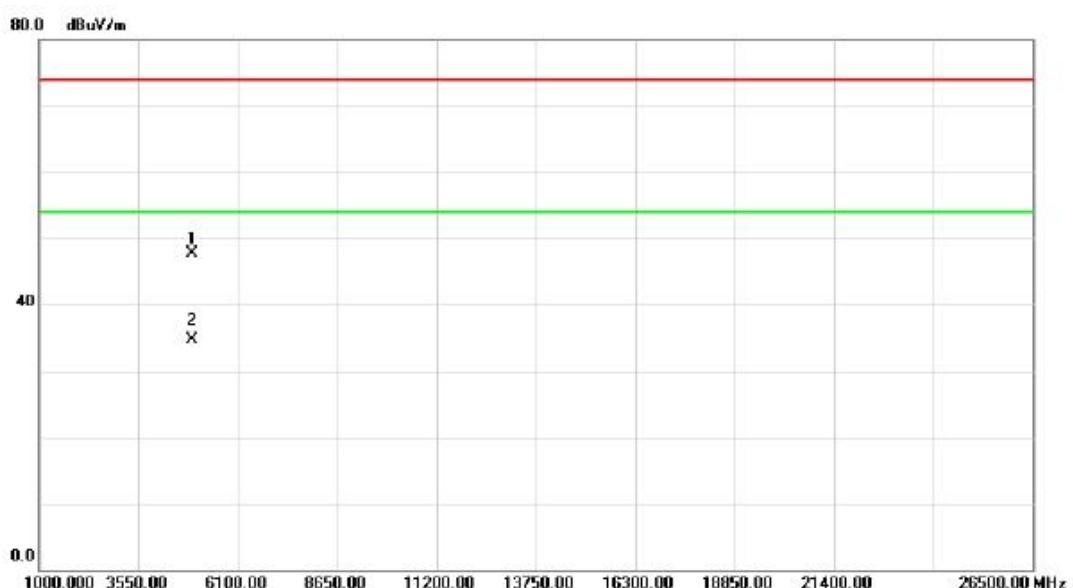
Orthogonal Axis : X

Test Mode : TX N-20M MODE 2462MHz

Horizontal

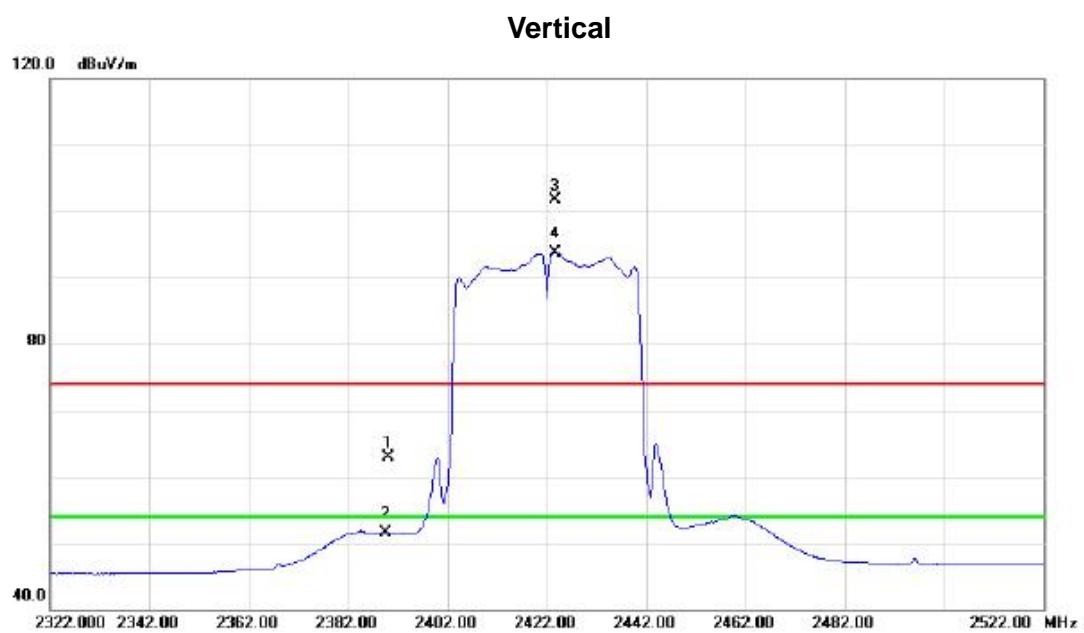
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	X	2462.200	73.45	31.98	105.43	74.00	31.43	peak no limit
2	*	2462.800	64.21	31.98	96.19	54.00	42.19	AVG no limit
3		2483.500	27.80	32.01	59.81	74.00	-14.19	peak
4		2483.500	17.93	32.01	49.94	54.00	-4.06	AVG

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

Horizontal

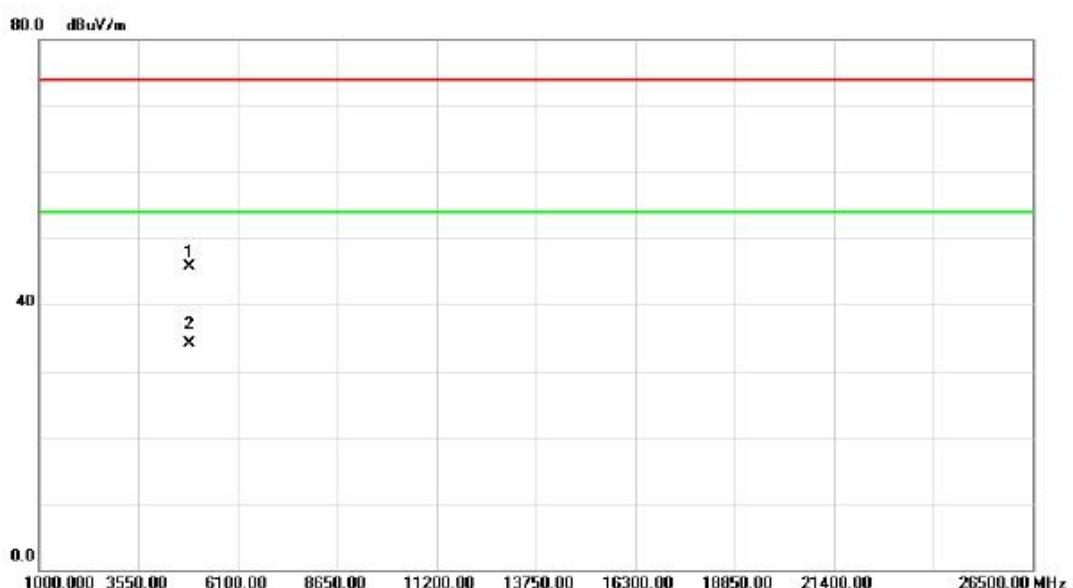
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4923.900	43.83	3.80	47.63	74.00	-26.37	peak	
2	*	4924.100	30.81	3.80	34.61	54.00	-19.39	Avg	

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



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	31.12	31.88	63.00	74.00	-11.00	peak	
2		2390.000	19.60	31.88	51.48	54.00	-2.52	AVG	
3	X	2423.600	69.71	31.93	101.64	74.00	27.64	peak	no limit
4	*	2423.800	61.79	31.93	93.72	54.00	39.72	AVG	no limit

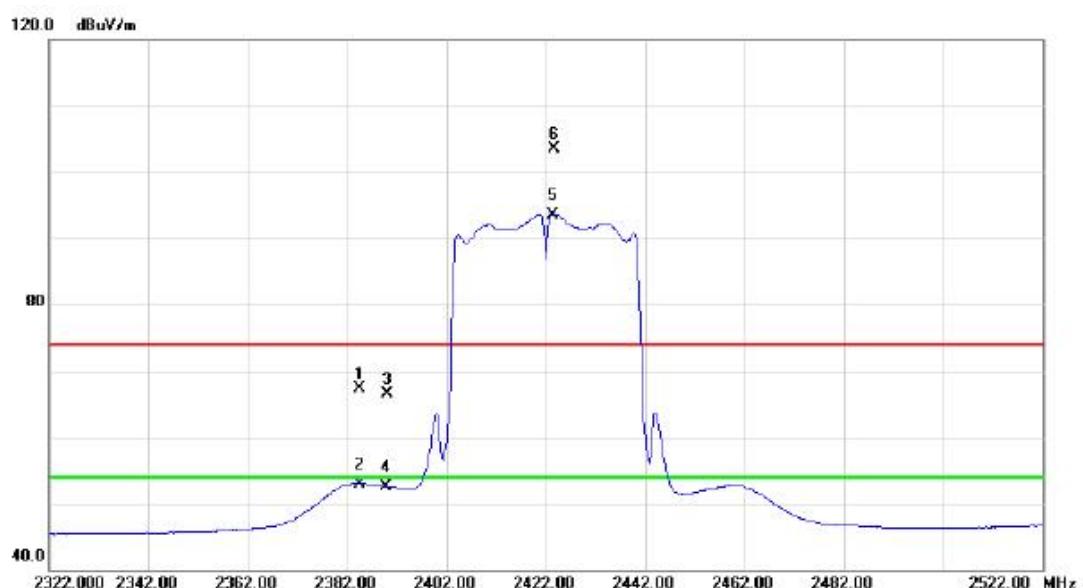
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

Vertical

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Comment
			Level	Factor	ment			
1		4845.000	42.14	3.66	45.80	74.00	-28.20	peak
2	*	4845.100	30.40	3.66	34.06	54.00	-19.94	AVG

Orthogonal Axis : X

Test Mode : TX N-40M MODE 2422MHz

Horizontal

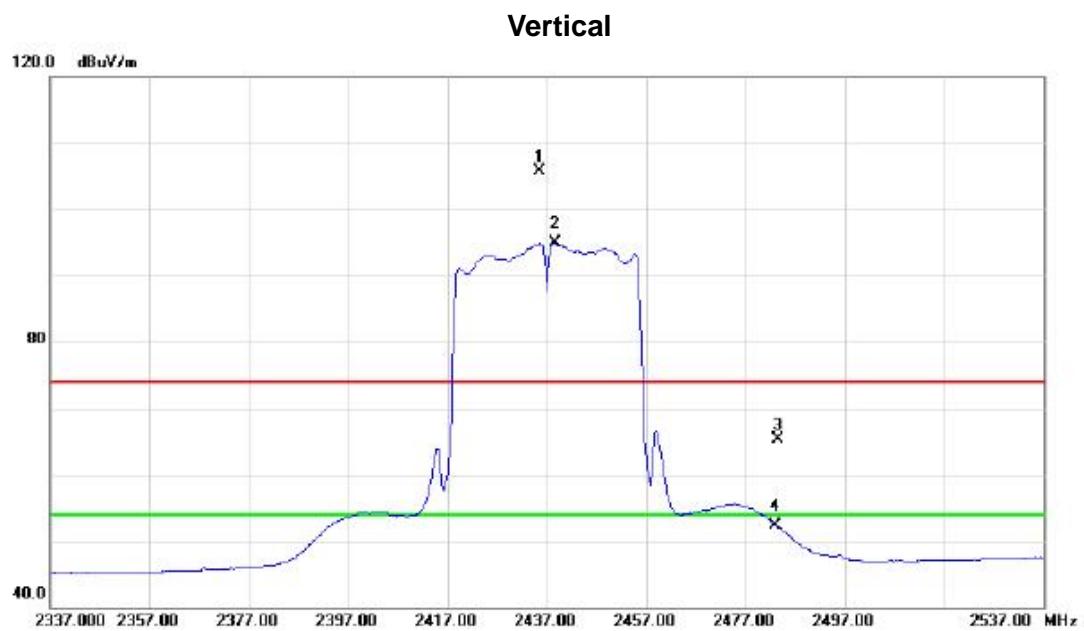
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2384.600	35.35	31.87	67.22	74.00	-6.78	peak	
2		2384.600	21.10	31.87	52.97	54.00	-1.03	AVG	
3		2390.000	34.71	31.88	66.59	74.00	-7.41	peak	
4		2390.000	20.64	31.88	52.52	54.00	-1.48	AVG	
5	*	2423.400	61.62	31.93	93.55	54.00	39.55	AVG	no limit
6	X	2423.600	71.54	31.93	103.47	74.00	29.47	peak	no limit

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

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1	*	4844.300	28.68	3.66	32.34	54.00	-21.66	AVG	
2		4844.700	40.34	3.66	44.00	74.00	-30.00	peak	

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



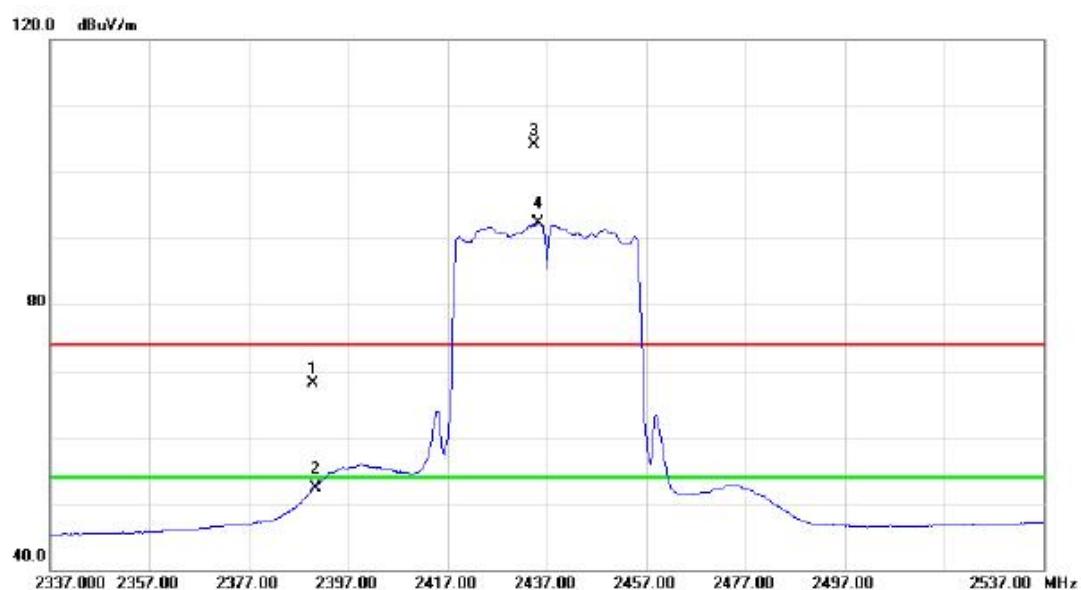
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Comment
			dBuV	dB	dBuV/m	dB	Detector	
1	X	2435.600	73.76	31.94	105.70	74.00	31.70	peak no limit
2	*	2438.600	62.87	31.94	94.81	54.00	40.81	AVG no limit
3		2483.500	33.34	32.01	65.35	74.00	-8.65	peak
4		2483.500	20.26	32.01	52.27	54.00	-1.73	AVG

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

Vertical

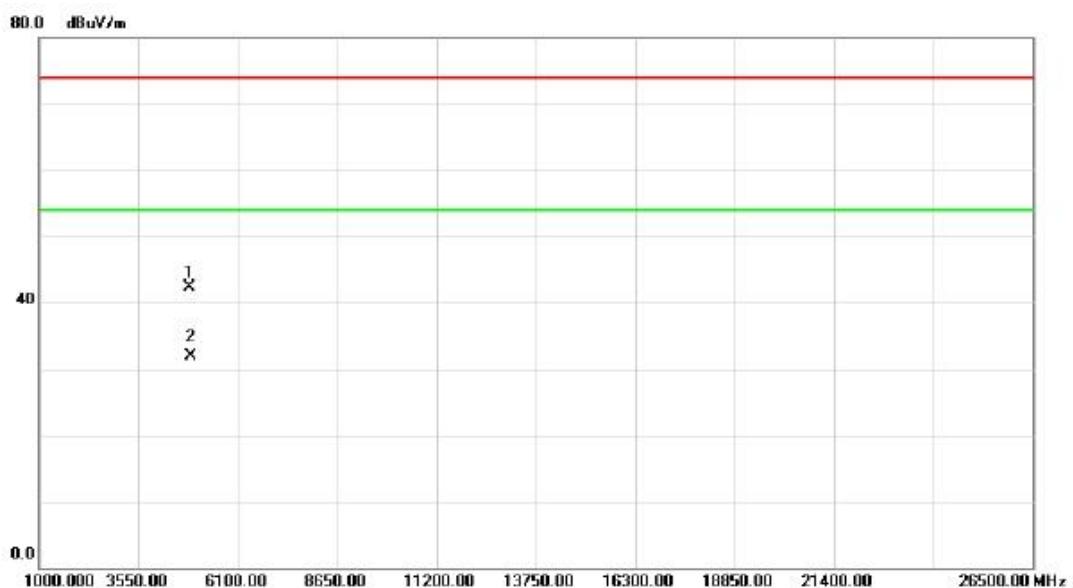
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4875.100	41.35	3.72	45.07	74.00	-28.93	peak
2	*	4875.400	29.46	3.72	33.18	54.00	-20.82	AVG

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

Horizontal

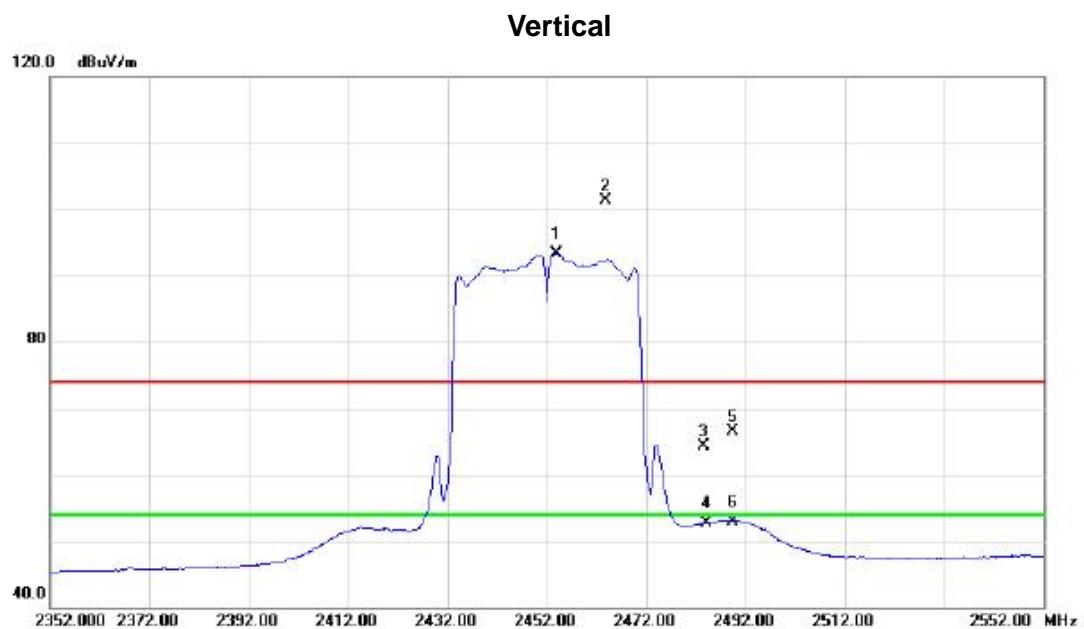
No.	Mk.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
		Freq.	Level	Factor				
		MHz	dBuV	dB	dBuV/m	dB		
1		2390.000	36.20	31.88	68.08	74.00	-5.92	peak
2		2390.000	20.39	31.88	52.27	54.00	-1.73	AVG
3	X	2434.400	72.20	31.94	104.14	74.00	30.14	peak no limit
4	*	2435.200	60.37	31.94	92.31	54.00	38.31	AVG no limit

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

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4874.000	38.64	3.72	42.36	74.00	-31.64	peak	
2	*	4875.300	28.22	3.72	31.94	54.00	-22.06	Avg	

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



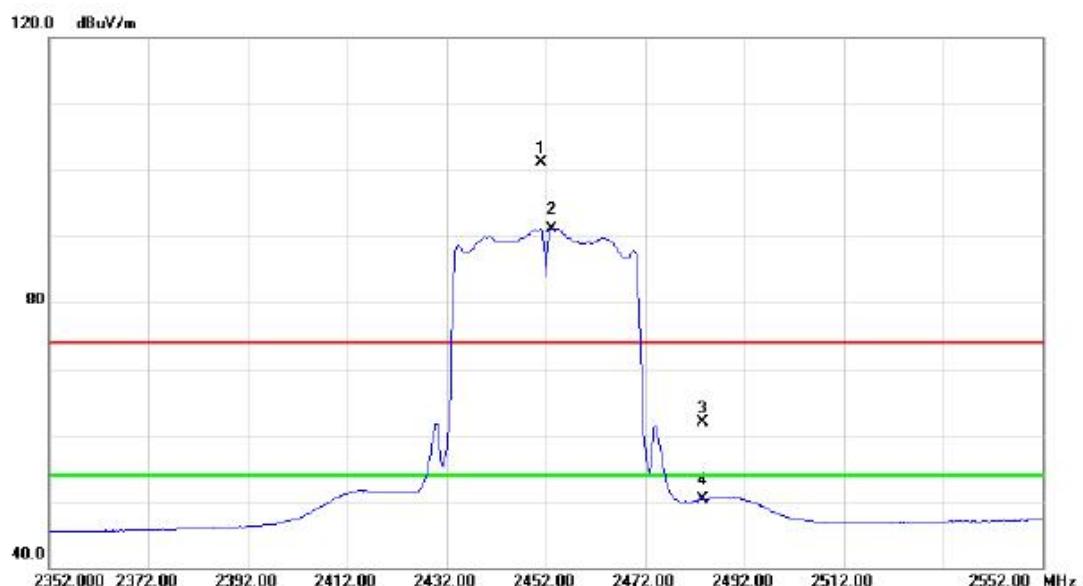
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2454.000	61.38	31.96	93.34	54.00	39.34	AVG	no limit
2	X	2463.800	69.39	31.98	101.37	74.00	27.37	peak	no limit
3		2483.500	32.33	32.01	64.34	74.00	-9.66	peak	
4		2483.500	20.72	32.01	52.73	54.00	-1.27	AVG	
5		2489.400	34.45	32.01	66.46	74.00	-7.54	peak	
6		2489.400	20.97	32.01	52.98	54.00	-1.02	AVG	

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

Vertical

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Comment
			Level	Factor	ment			
1		4903.800	39.57	3.77	43.34	74.00	-30.66	peak
2	*	4903.900	28.67	3.77	32.44	54.00	-21.56	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 dB	Over Detector	Comment
1	X	2451.000	69.20	31.96	101.16	74.00	27.16	peak no limit
2	*	2453.200	59.24	31.96	91.20	54.00	37.20	AVG no limit
3		2483.500	29.82	32.01	61.83	74.00	-12.17	peak
4		2483.500	18.32	32.01	50.33	54.00	-3.67	AVG

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

Horizontal

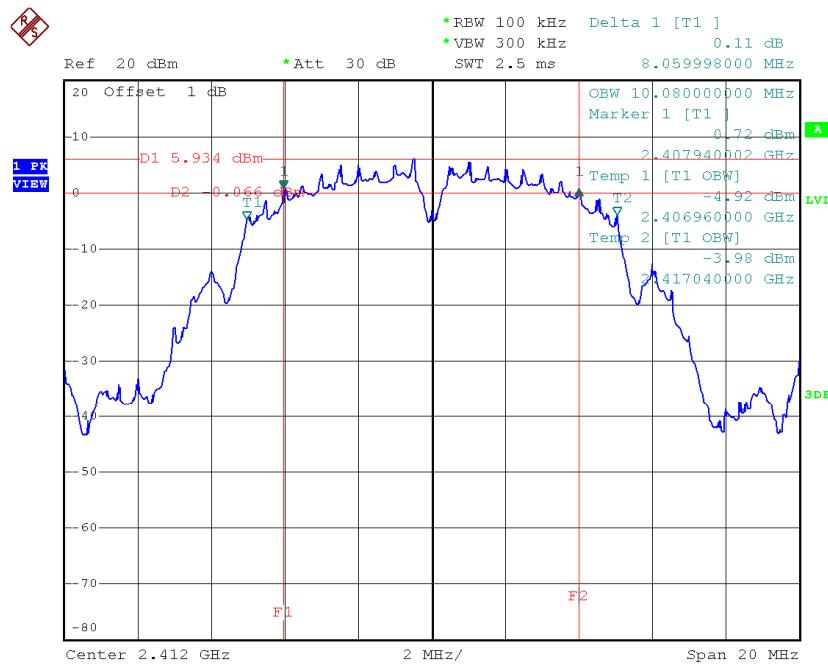
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
1		4905.000	41.92	3.77	45.69	74.00	-28.31	peak	
2	*	4905.100	29.25	3.77	33.02	54.00	-20.98	AVG	

ATTACHMENT E - BANDWIDTH

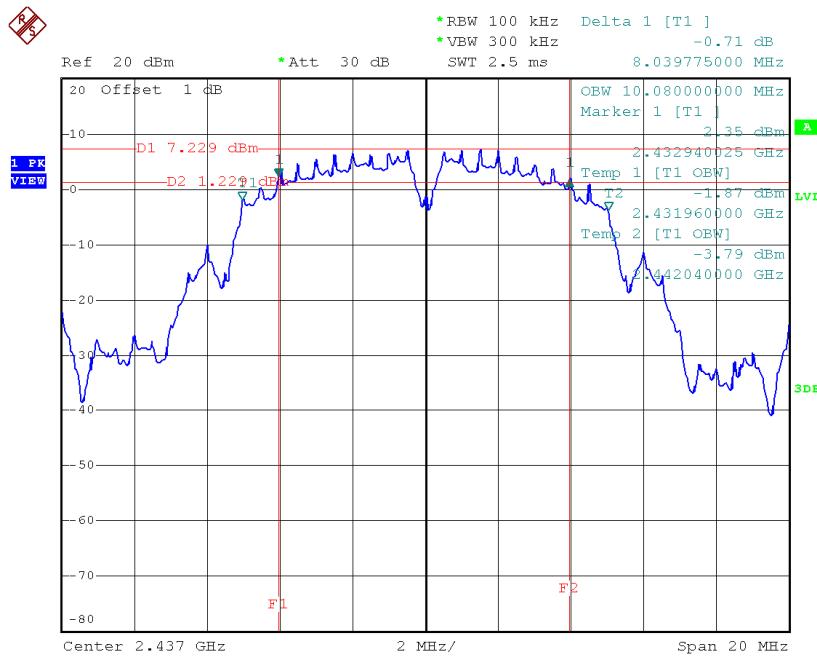
Test Mode : TX B Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	8.06	10.08	500	Complies
2437	8.04	10.08	500	Complies
2462	8.06	10.08	500	Complies

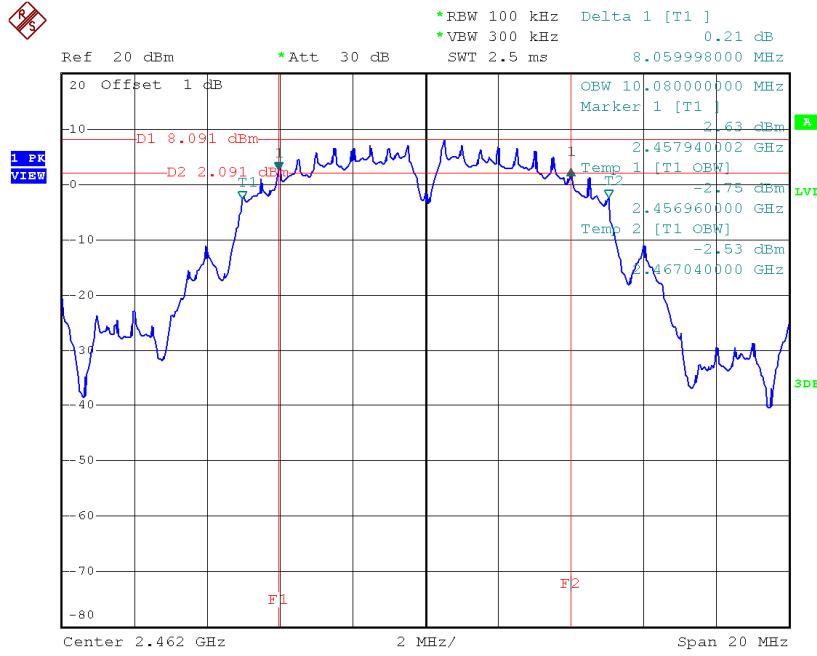
TX CH01



Date: 26.NOV.2014 05:52:09

TX CH06

Date: 26.NOV.2014 05:53:30

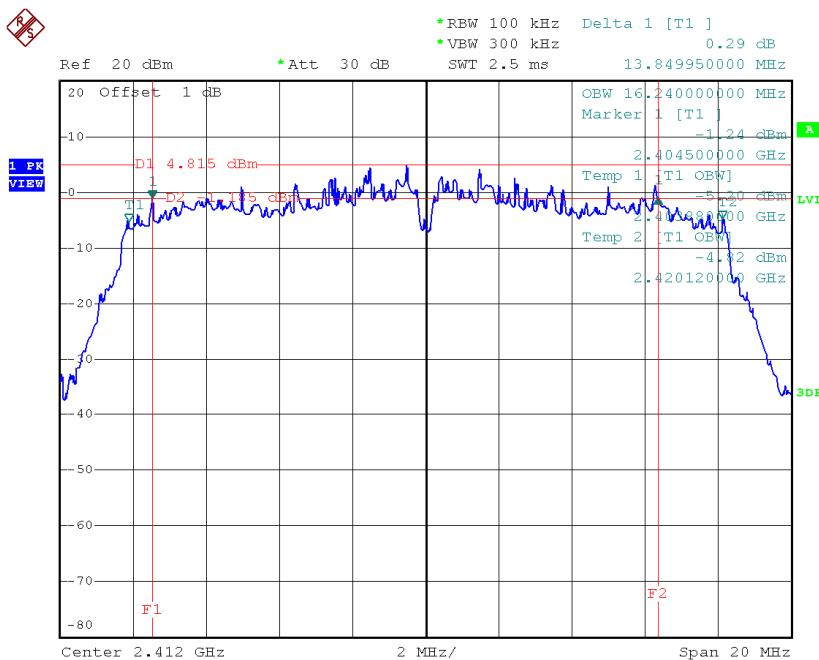
TX CH11

Date: 26.NOV.2014 05:54:33

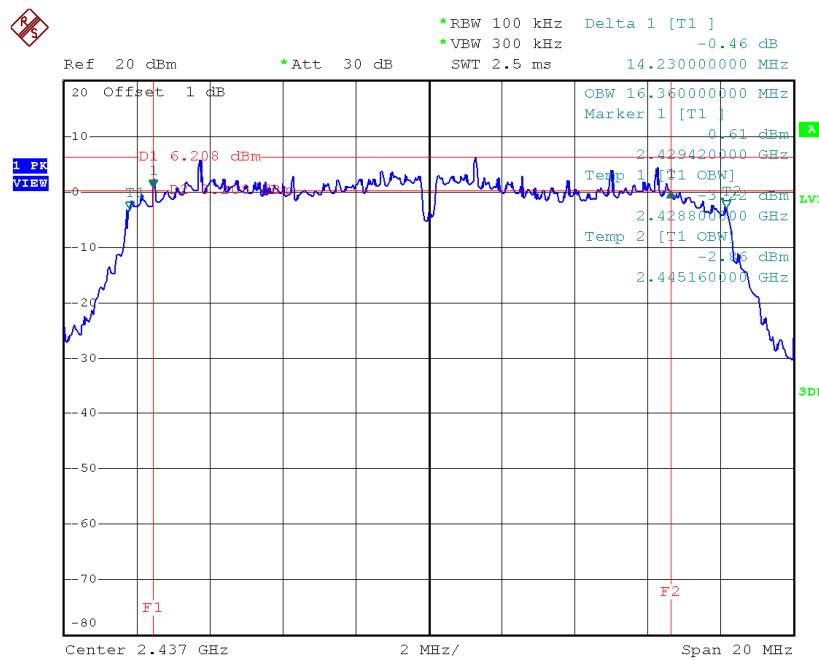
Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	13.85	16.24	500	Complies
2437	14.23	16.36	500	Complies
2462	15.72	16.32	500	Complies

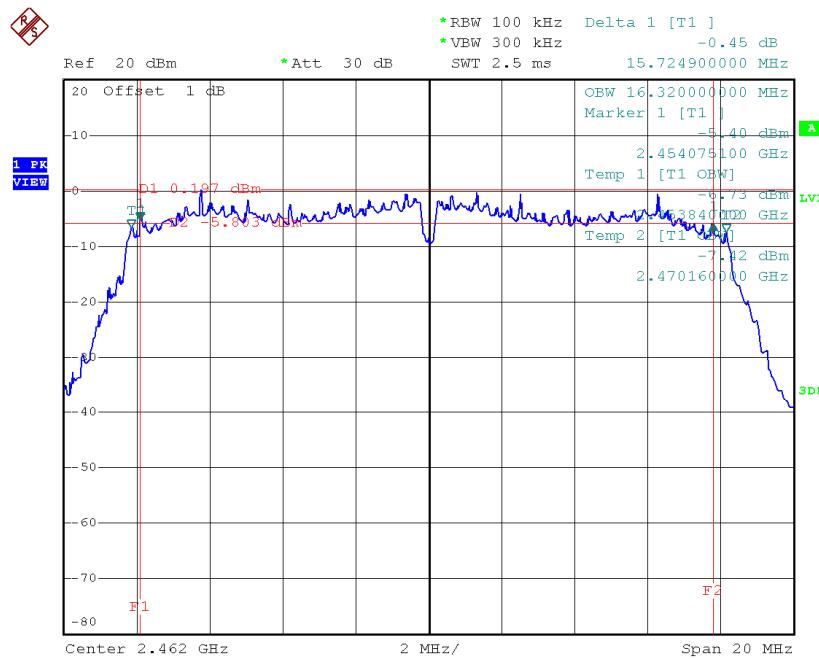
TX CH01



Date: 26.NOV.2014 05:56:24

TX CH06

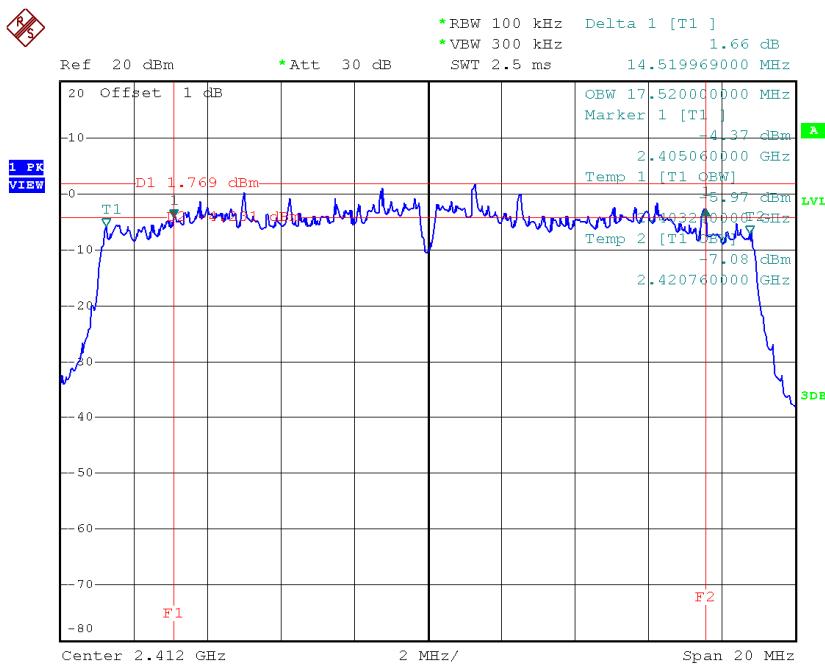
Date: 26.NOV.2014 05:57:49

TX CH11

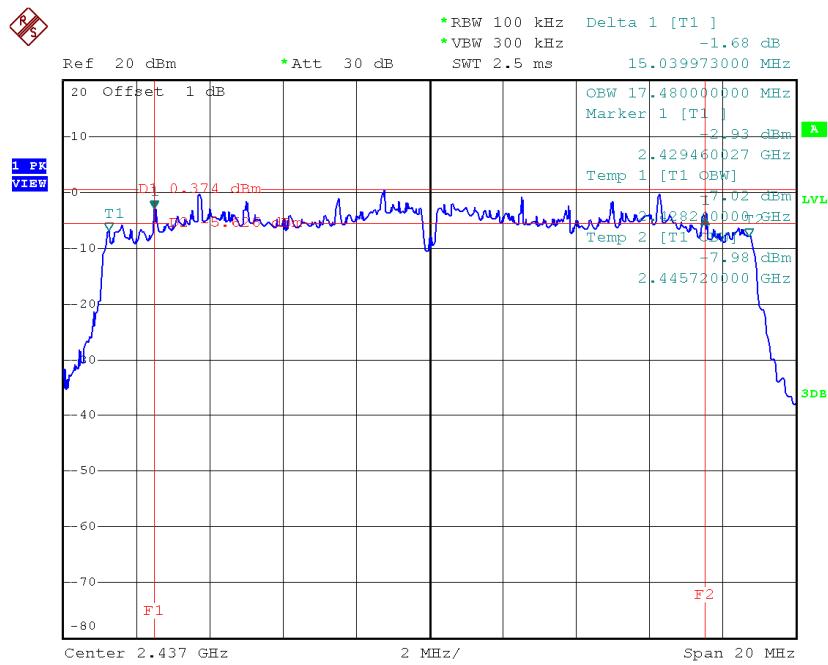
Date: 26.NOV.2014 05:59:36

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

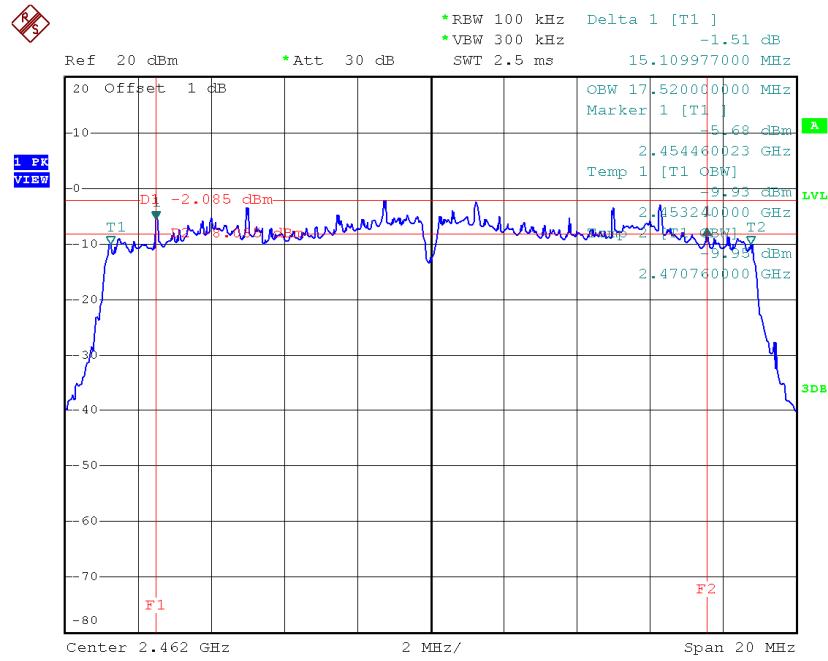
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	14.52	17.52	500	Complies
2437	15.04	17.48	500	Complies
2462	15.11	17.52	500	Complies

TX CH01


Date: 26.NOV.2014 06:02:38

TX CH06

Date: 26.NOV.2014 06:04:03

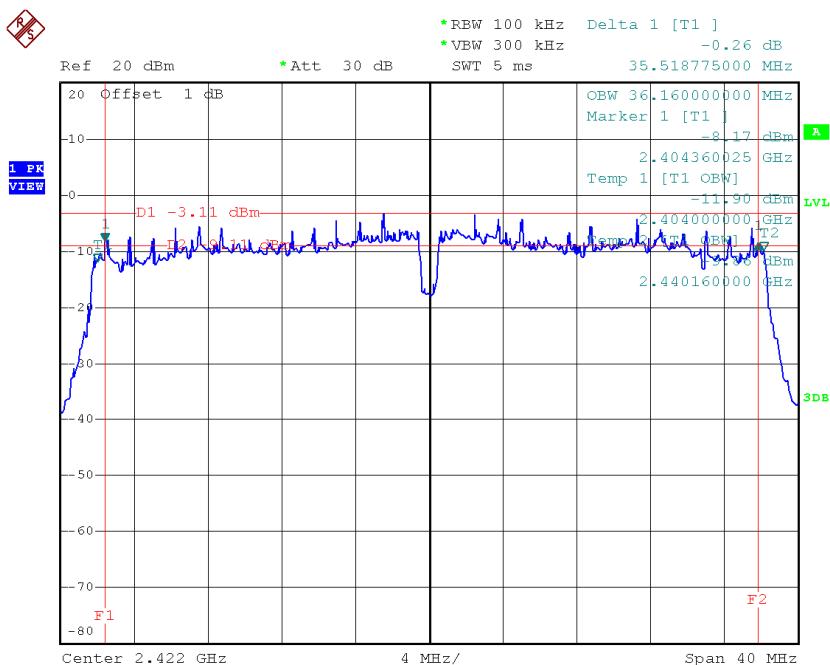
TX CH11

Date: 26.NOV.2014 06:05:32

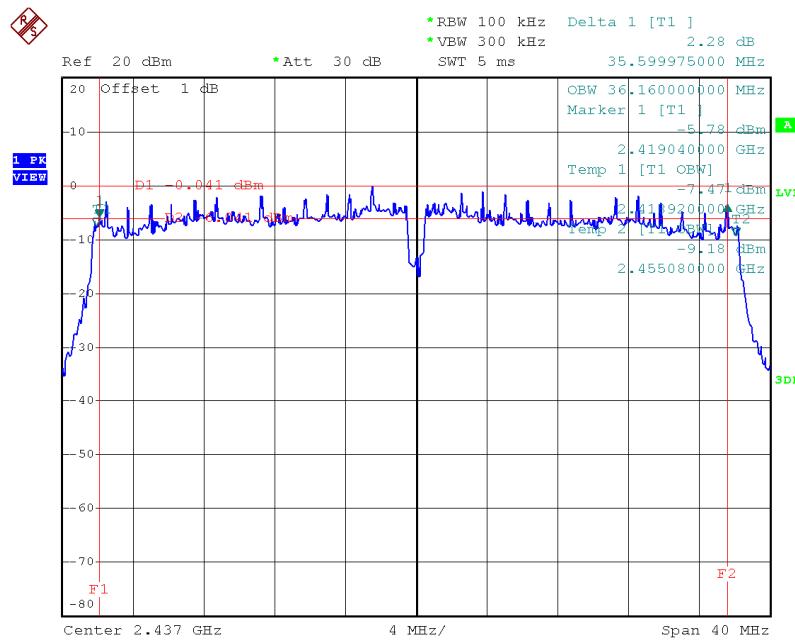
Test Mode : TX N-40MHz Mode_CH03/06/09

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.52	36.16	500	Complies
2437	35.60	36.16	500	Complies
2452	36.00	36.24	500	Complies

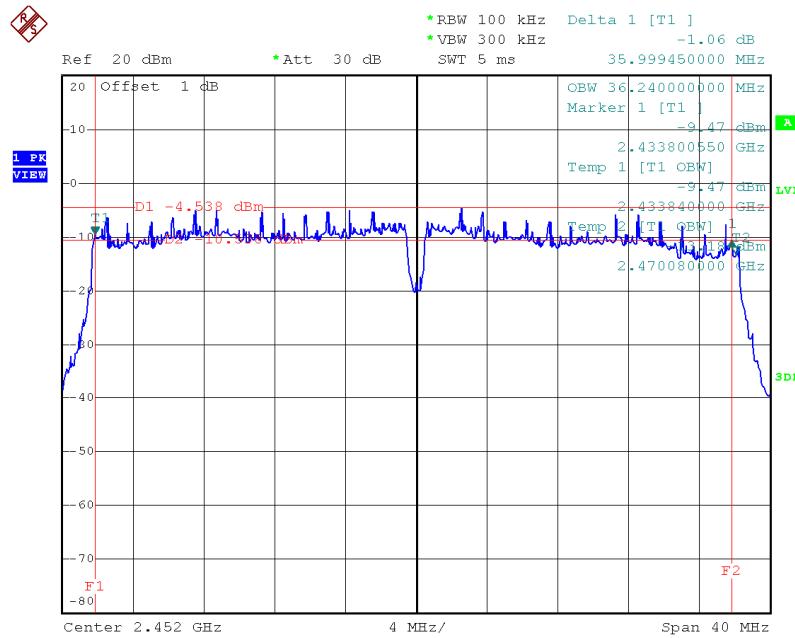
TX CH03



Date: 26.NOV.2014 06:15:09

TX CH06

Date: 26.NOV.2014 06:16:55

TX CH09

Date: 26.NOV.2014 06:18:36

**ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT
POWER**

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

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	17.83	0.06	30.00	1.00	Complies
2437	17.64	0.06	30.00	1.00	Complies
2462	17.89	0.06	30.00	1.00	Complies

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

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.58	0.07	30.00	1.00	Complies
2437	21.45	0.14	30.00	1.00	Complies
2462	21.69	0.15	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.93	0.16	30.00	1.00	Complies
2437	21.81	0.15	30.00	1.00	Complies
2462	21.43	0.14	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.95	0.20	30.00	1.00	Complies
2437	22.37	0.17	30.00	1.00	Complies
2462	16.34	0.04	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	25.48	0.35	30.00	1.00	Complies
2437	25.11	0.32	30.00	1.00	Complies
2462	22.60	0.18	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	20.82	0.12	30.00	1.00	Complies
2437	22.48	0.18	30.00	1.00	Complies
2452	19.25	0.08	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2

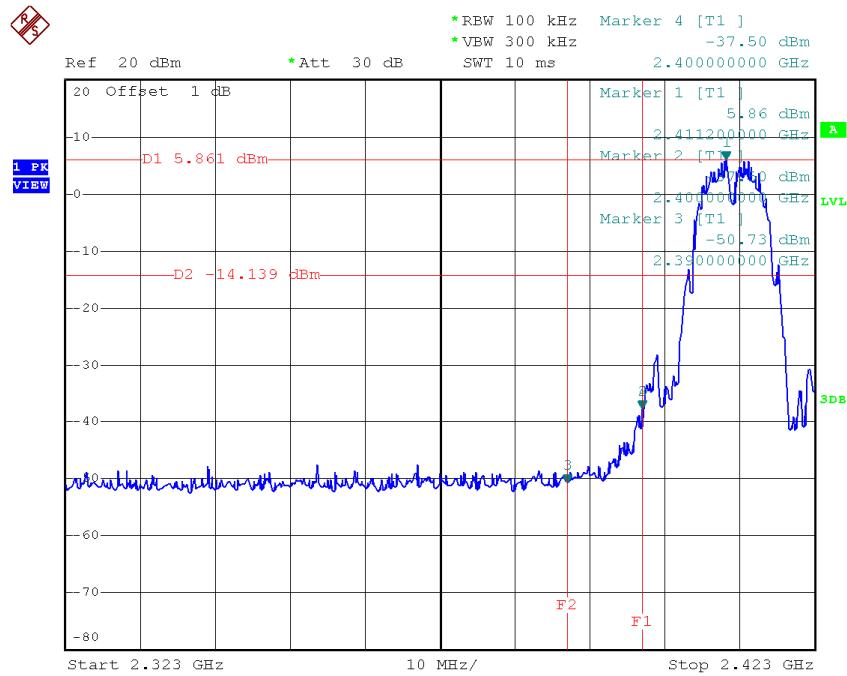
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	16.80	0.05	30.00	1.00	Complies
2437	22.88	0.19	30.00	1.00	Complies
2452	17.60	0.06	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_Total

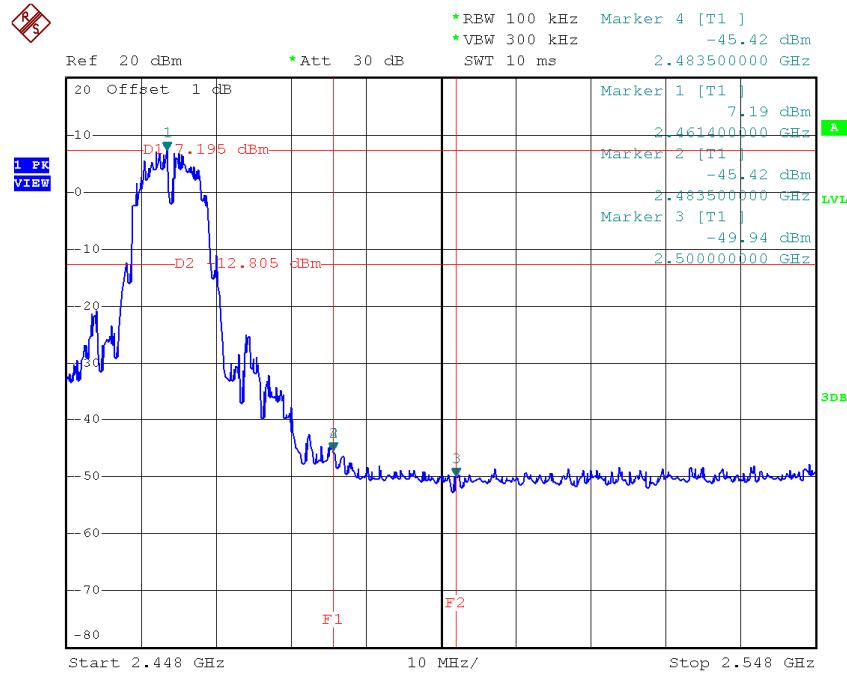
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	22.27	0.17	30.00	1.00	Complies
2437	25.69	0.37	30.00	1.00	Complies
2452	21.51	0.14	30.00	1.00	Complies

**ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS
EMISSION**

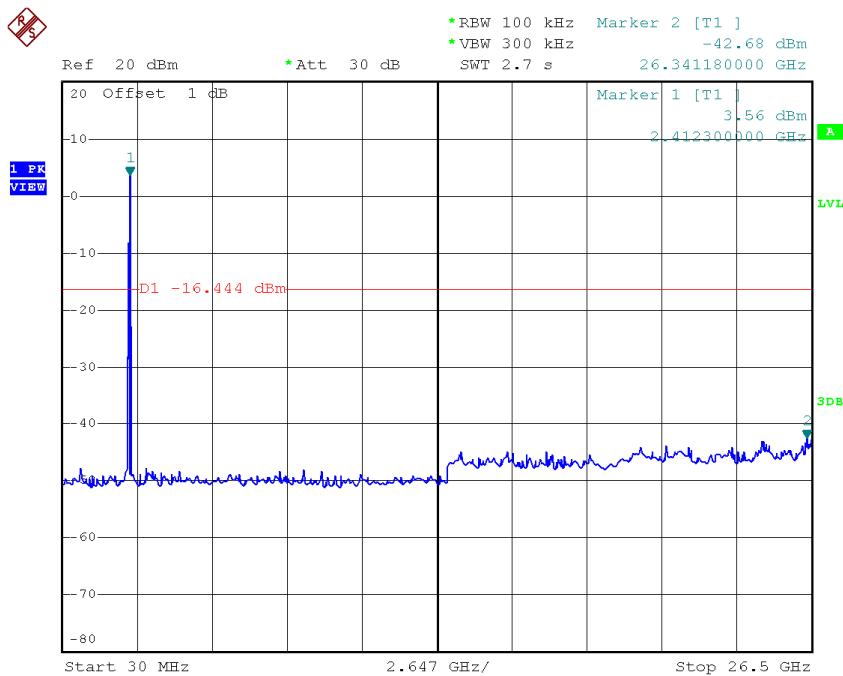
Test Mode :	TX B Mode_ANT 1
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TX B mode CH01

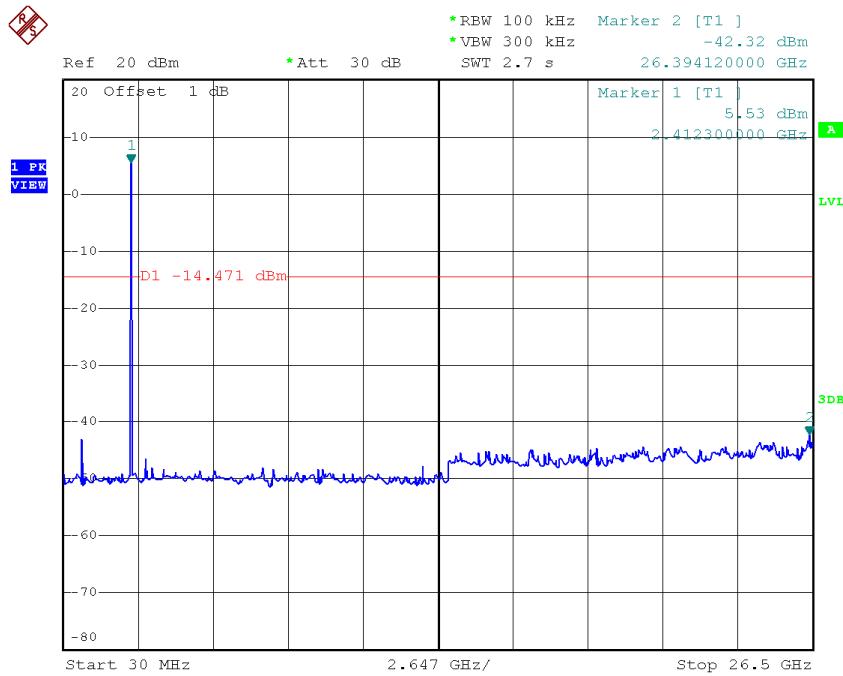
Date: 26.NOV.2014 05:52:30

TX B mode CH11

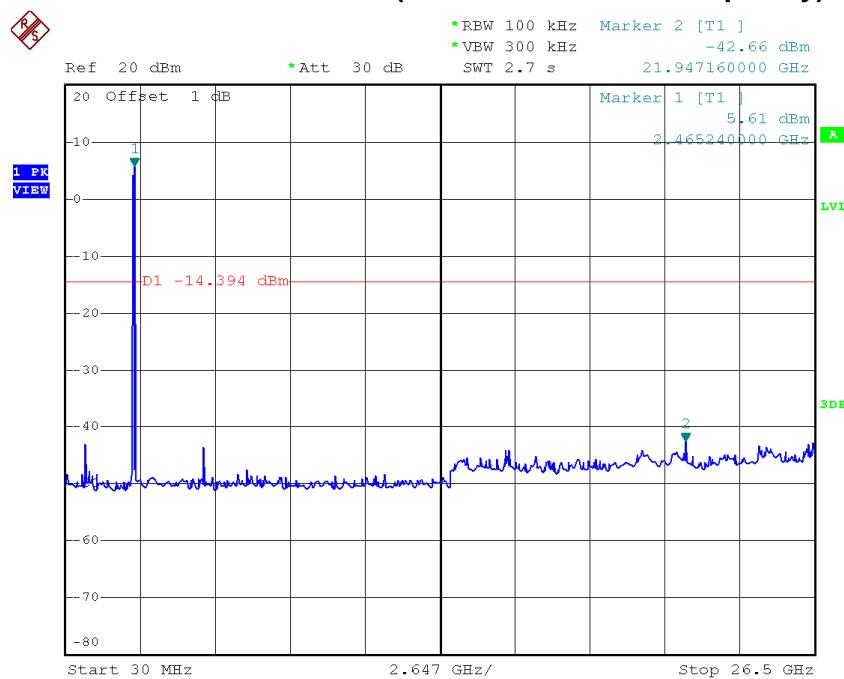
Date: 26.NOV.2014 05:54:54

TX B mode CH01 (10 Harmonic of the frequency)

Date: 26.NOV.2014 05:52:23

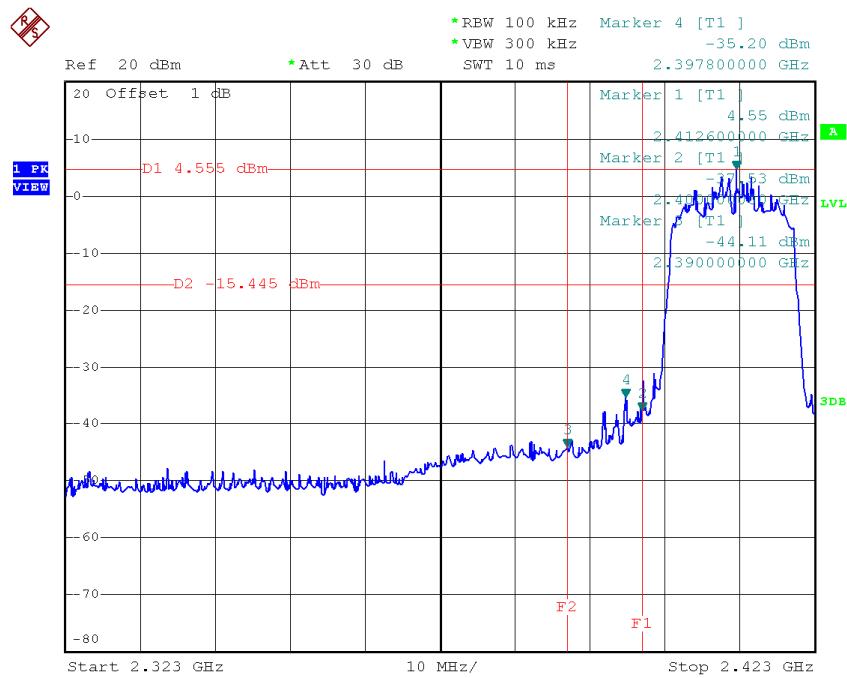
TX B mode CH06 (10 Harmonic of the frequency)

Date: 26.NOV.2014 05:53:43

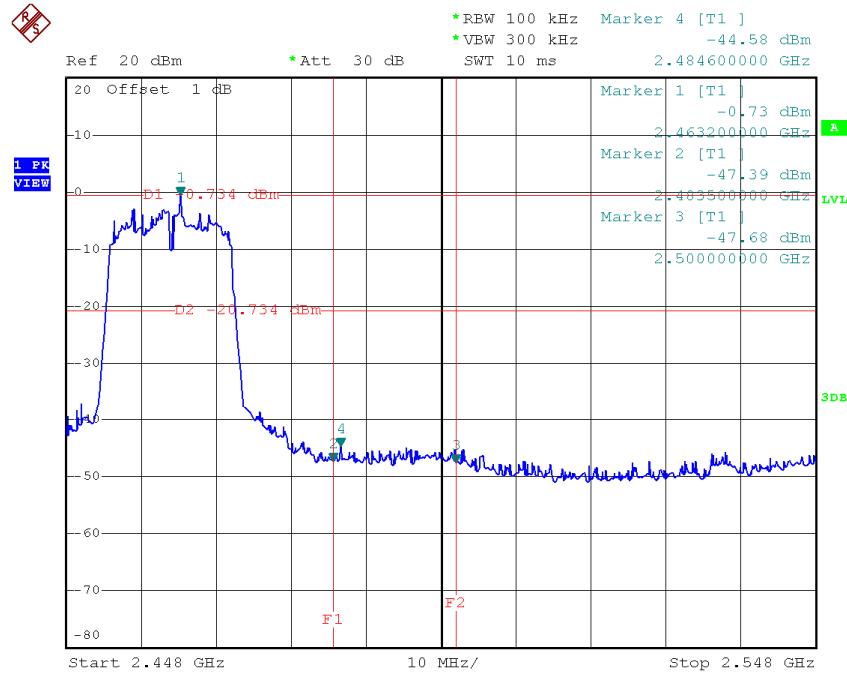
TX B mode CH11 (10 Harmonic of the frequency)

Date: 26.NOV.2014 05:54:46

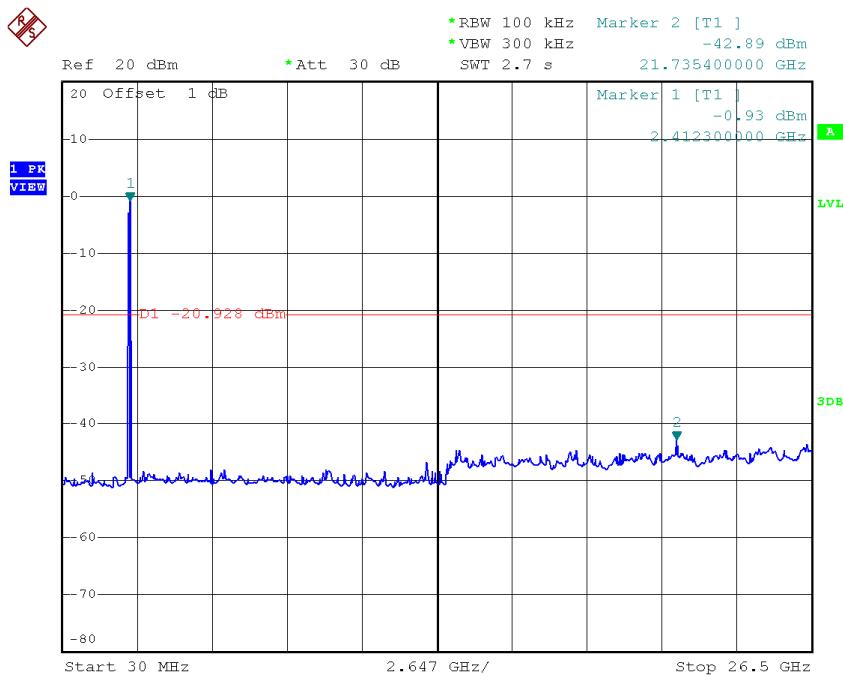
Test Mode :	TX G Mode_ANT 1
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TX G mode CH01

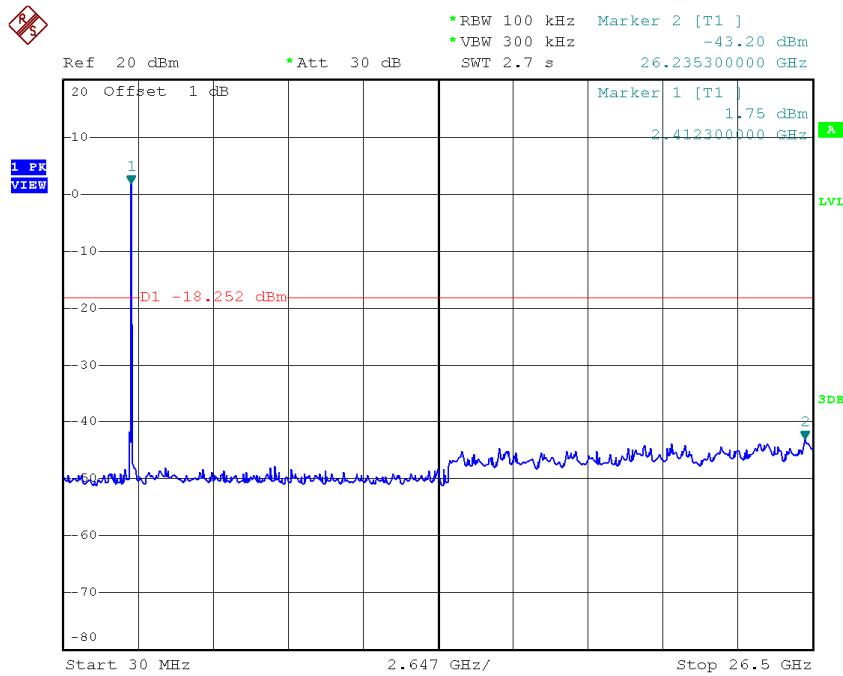
Date: 26.NOV.2014 05:56:45

TX G mode CH11

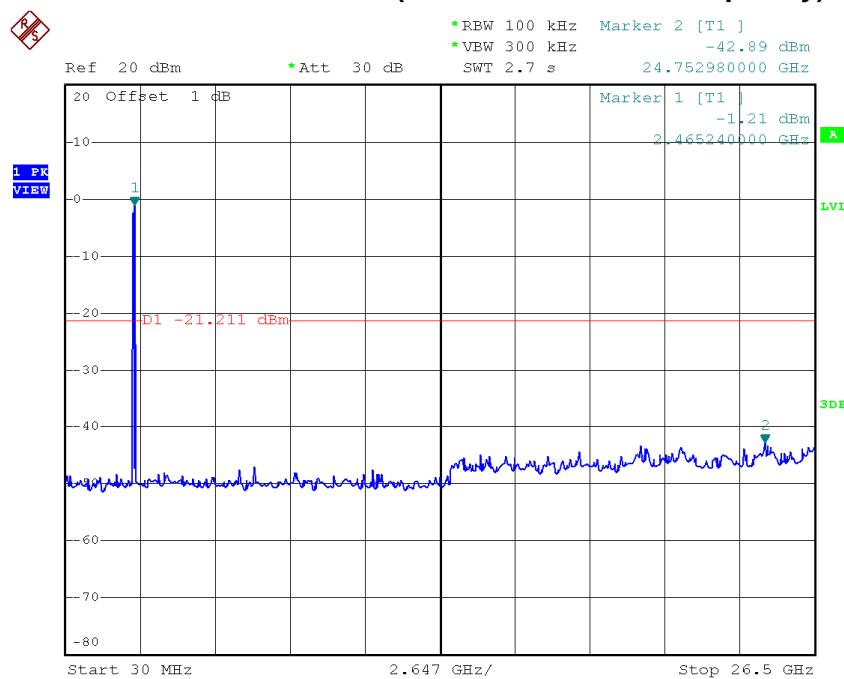
Date: 26.NOV.2014 05:59:57

TX G mode CH01 (10 Harmonic of the frequency)

Date: 26.NOV.2014 05:56:38

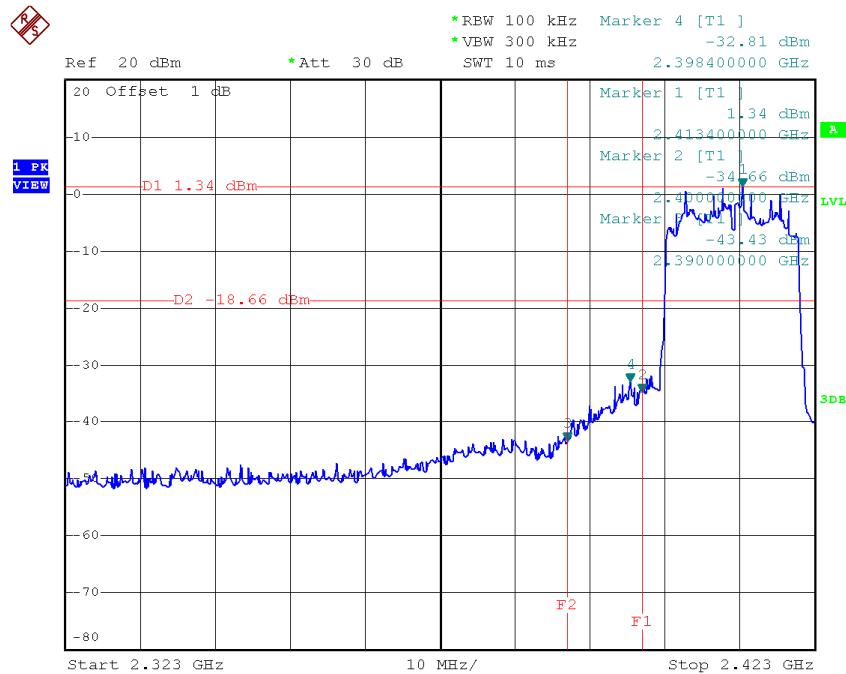
TX G mode CH06 (10 Harmonic of the frequency)

Date: 26.NOV.2014 05:58:02

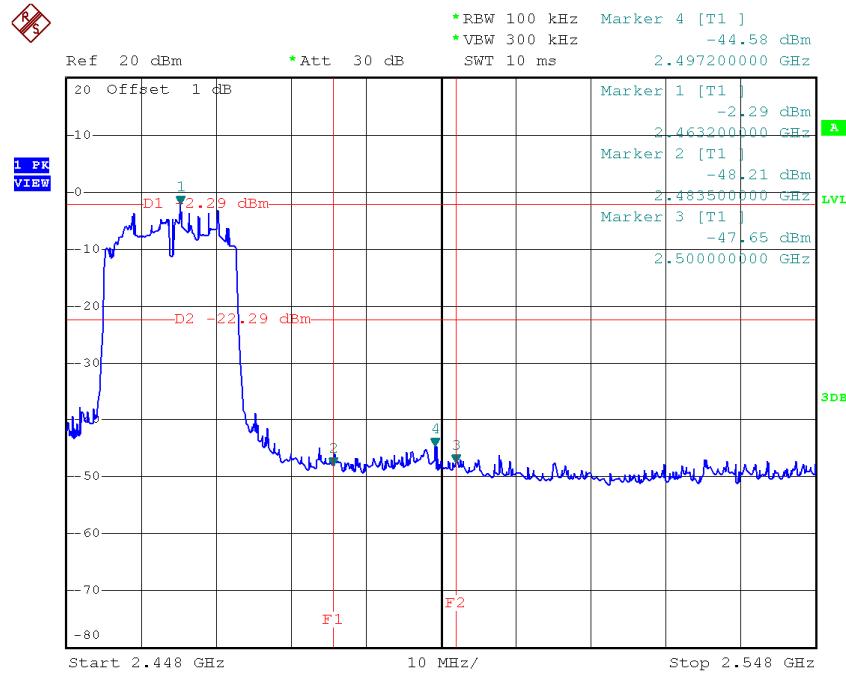
TX G mode CH11 (10 Harmonic of the frequency)

Date: 26.NOV.2014 05:59:50

Test Mode :	TX N-20M Mode_ANT 1
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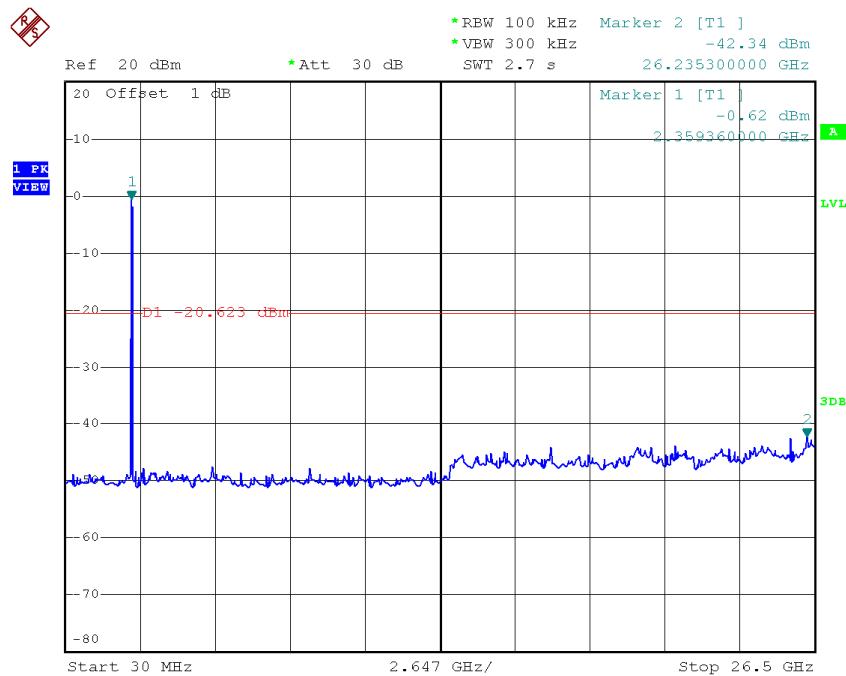
TX HT20 mode CH01

Date: 26.NOV.2014 06:02:59

TX HT20 mode CH11

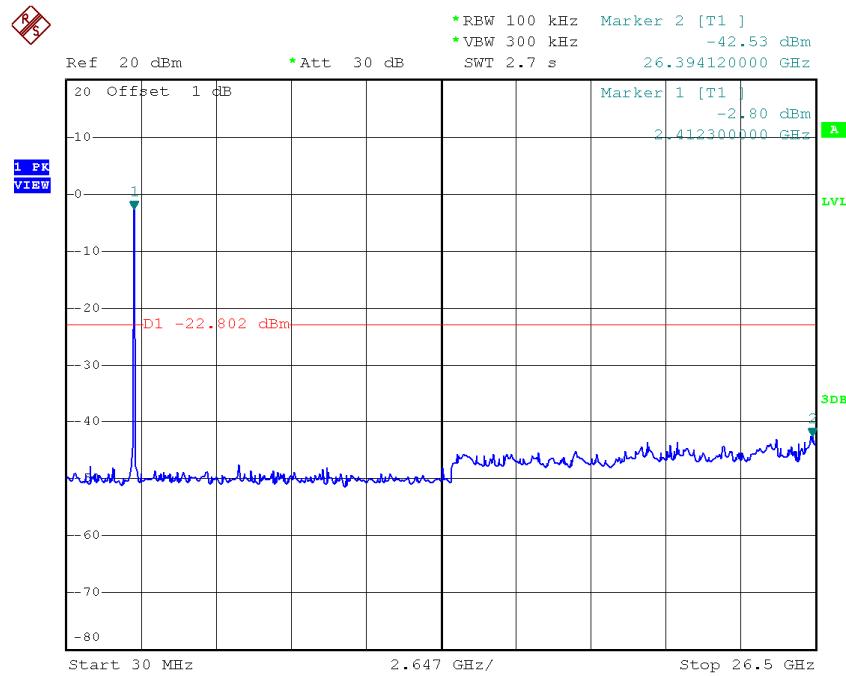
Date: 26.NOV.2014 06:05:53

TX HT20 mode CH01 (10 Harmonic of the frequency)

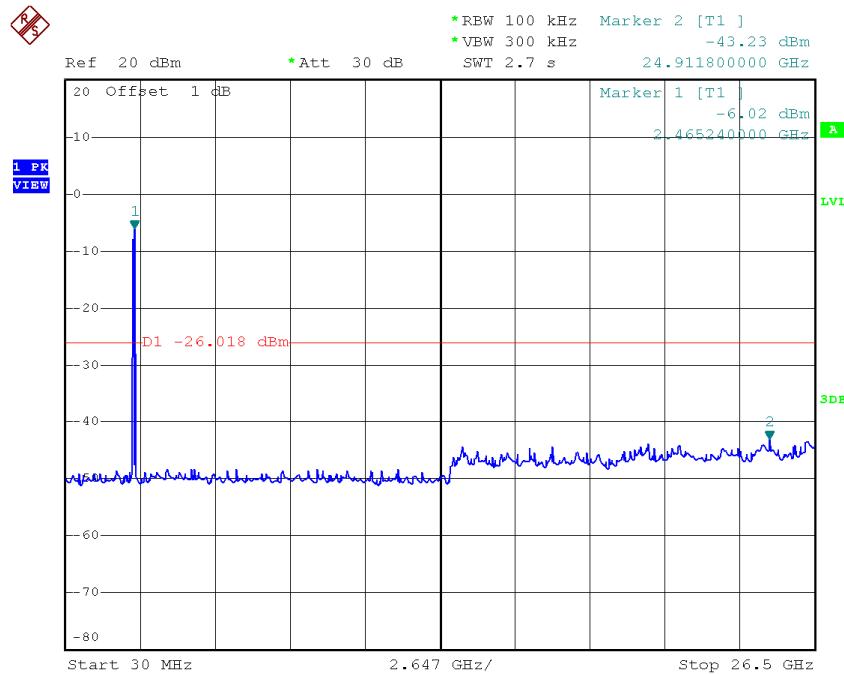


Date: 26.NOV.2014 06:02:52

TX HT20 mode CH06 (10 Harmonic of the frequency)

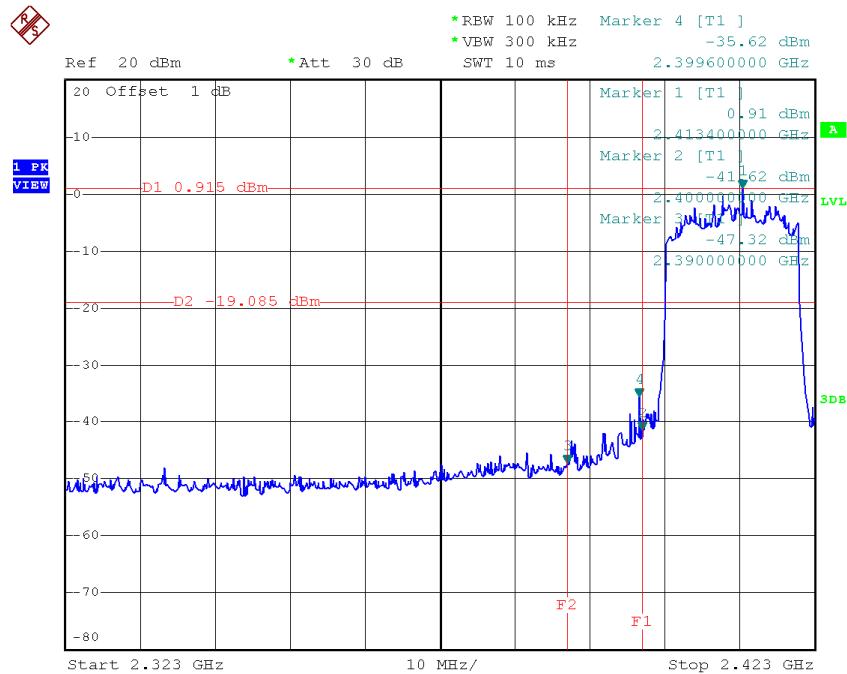


Date: 26.NOV.2014 06:04:17

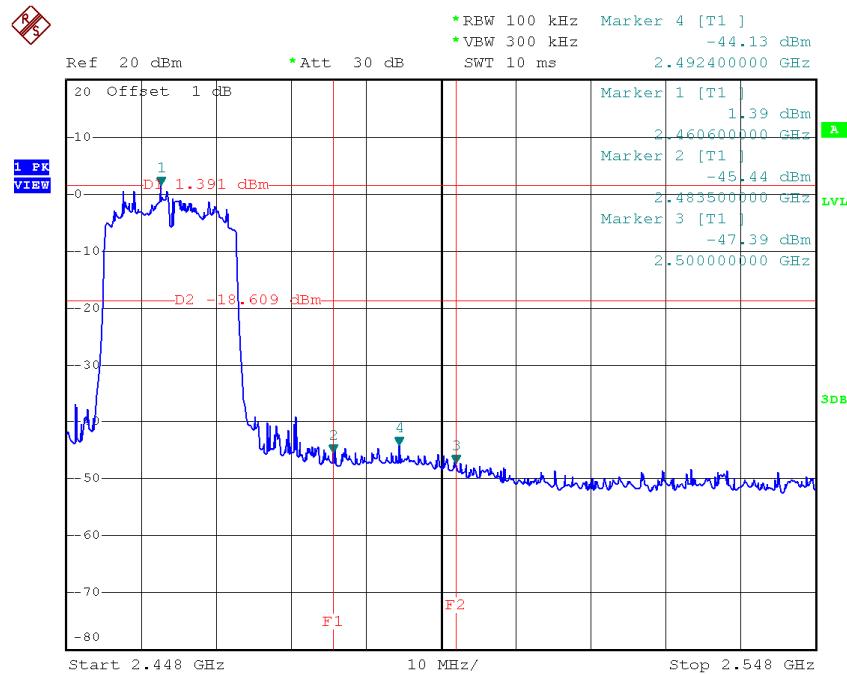
TX HT20 mode CH11 (10 Harmonic of the frequency)

Date: 26.NOV.2014 06:05:46

Test Mode :	TX N-20M Mode_ANT 2
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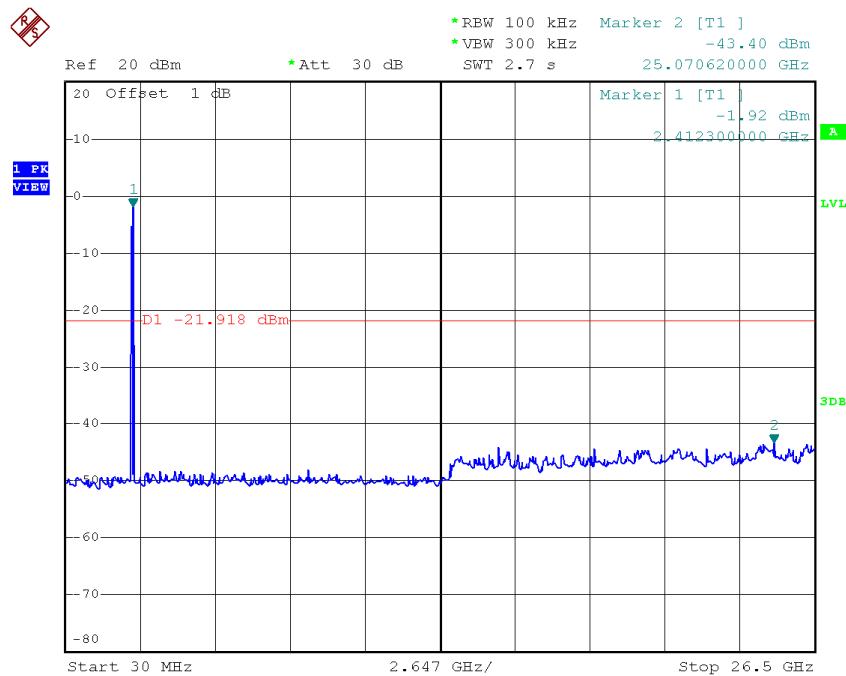
TX HT20 mode CH01

Date: 26.NOV.2014 06:08:35

TX HT20 mode CH11

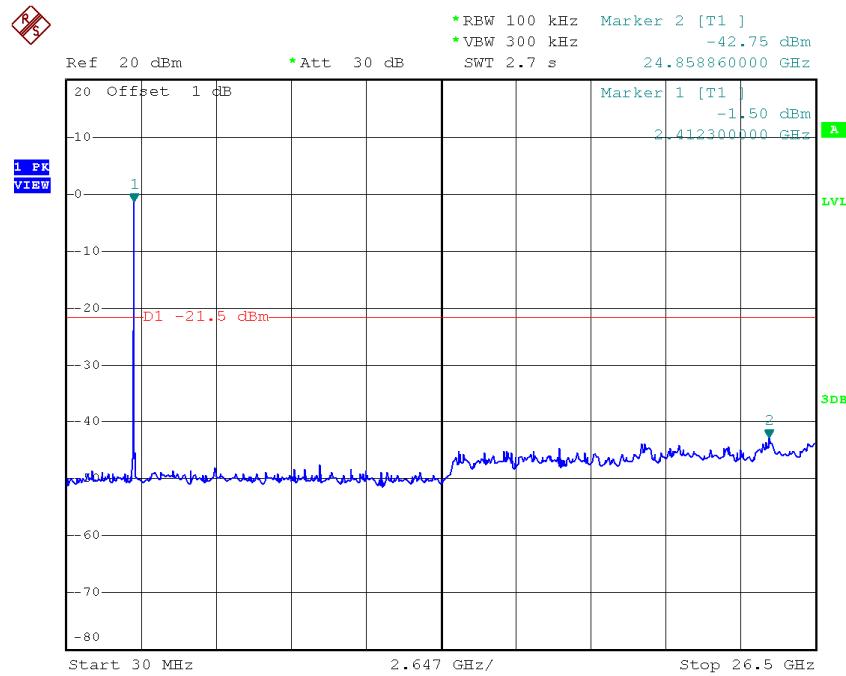
Date: 26.NOV.2014 06:12:41

TX HT20 mode CH01 (10 Harmonic of the frequency)

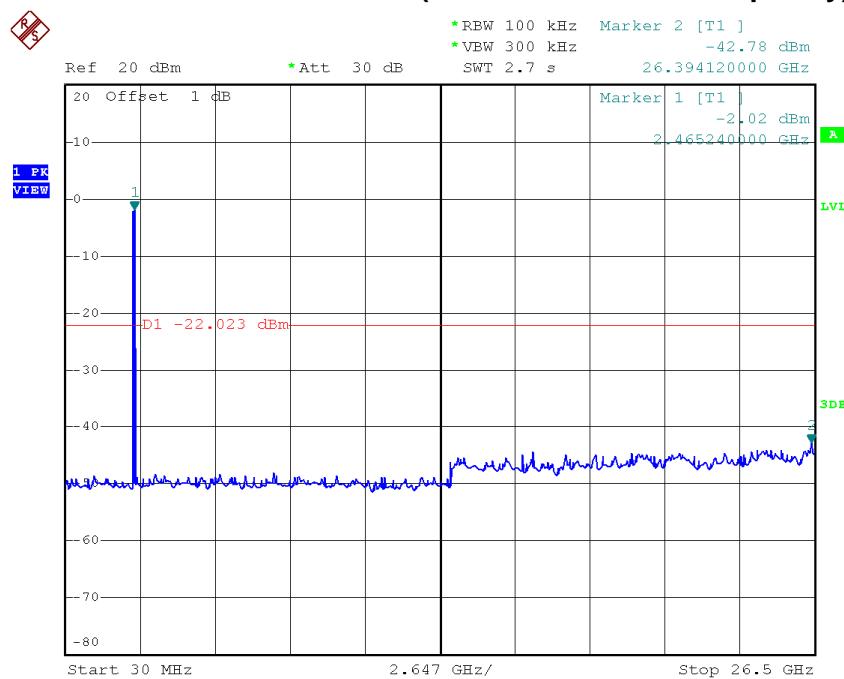


Date: 26.NOV.2014 06:08:28

TX HT20 mode CH06 (10 Harmonic of the frequency)

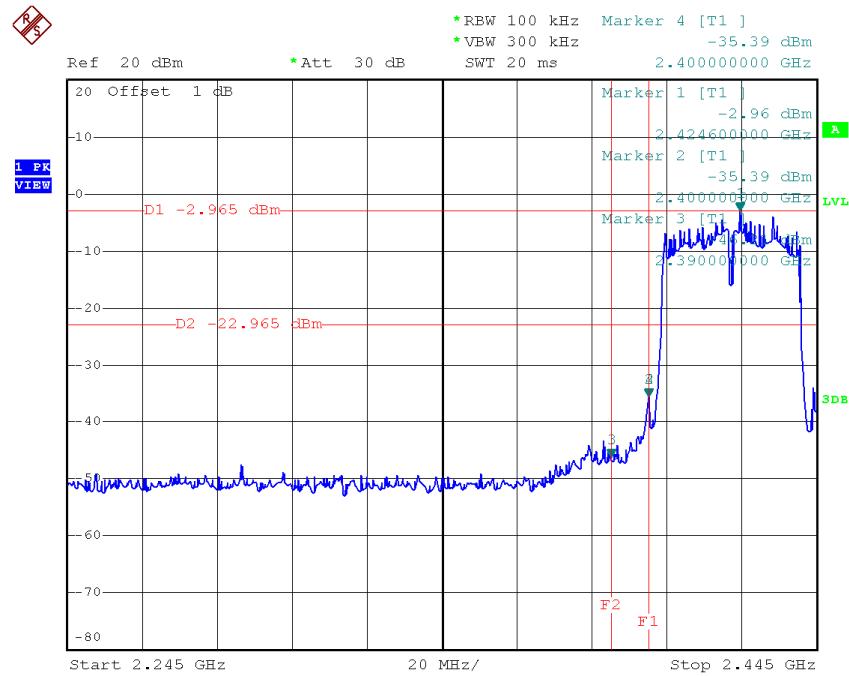


Date: 26.NOV.2014 06:09:54

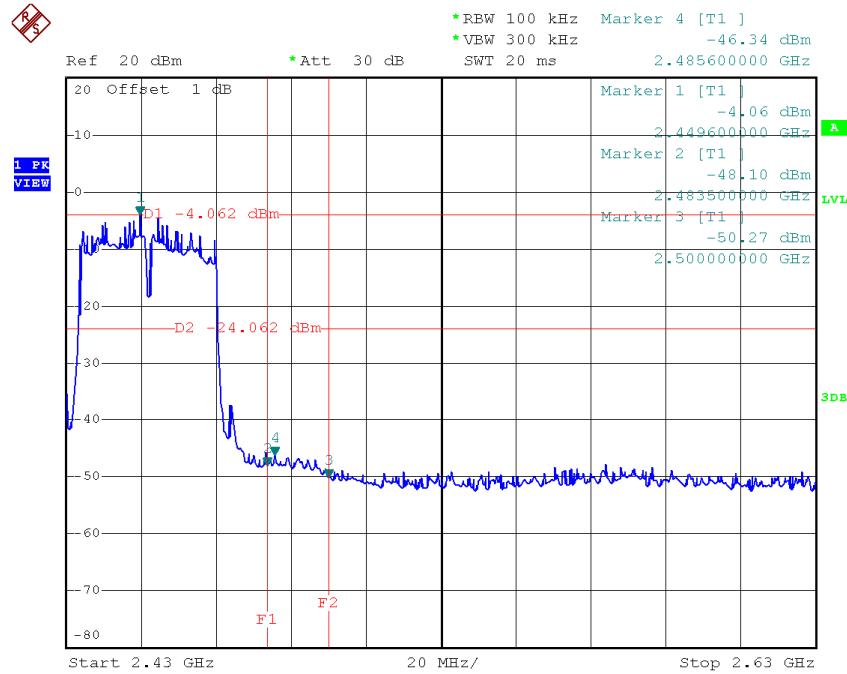
TX HT20 mode CH11 (10 Harmonic of the frequency)

Date: 26.NOV.2014 06:12:33

Test Mode :	TX N-40M Mode_ANT 1
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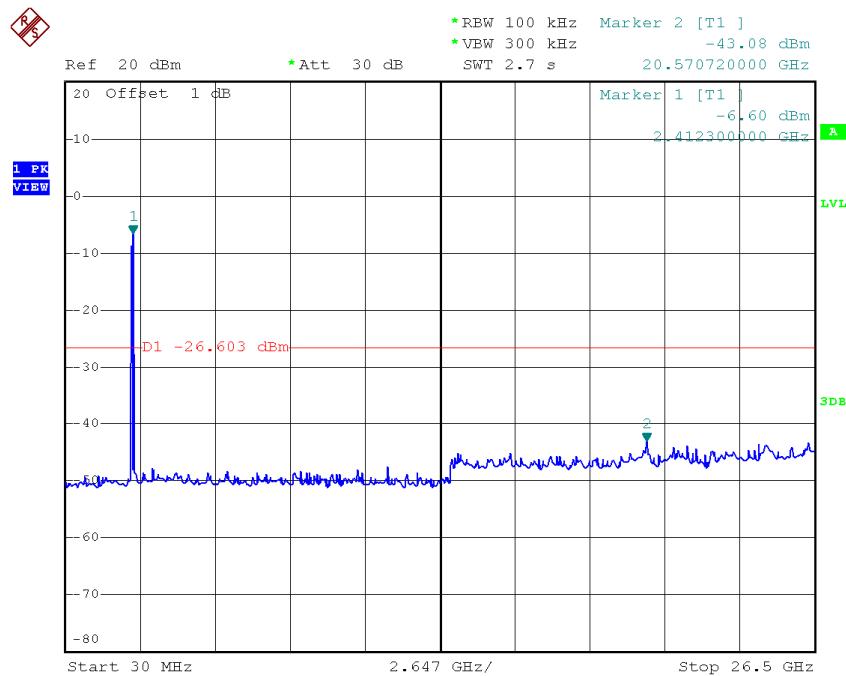
TX HT40 mode CH03

Date: 26.NOV.2014 06:15:30

TX HT40 mode CH09

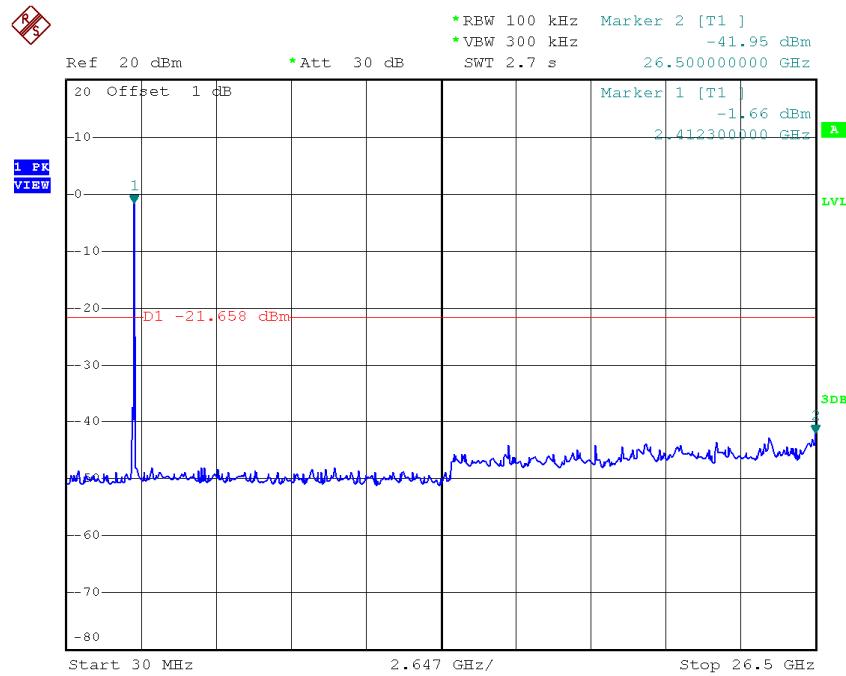
Date: 26.NOV.2014 06:18:57

TX HT40 mode CH03 (10 Harmonic of the frequency)

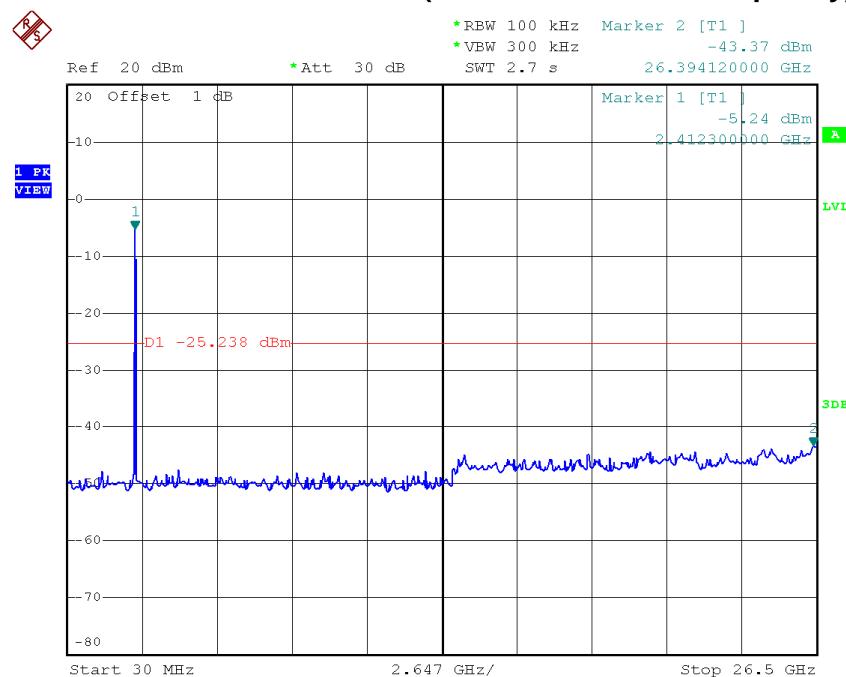


Date: 26.NOV.2014 06:15:22

TX HT40 mode CH06 (10 Harmonic of the frequency)

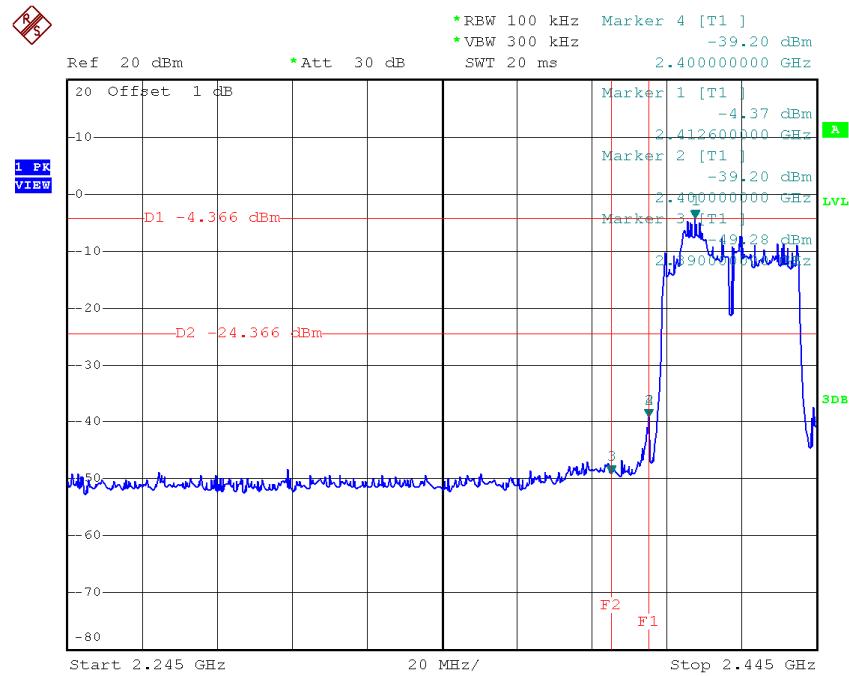


Date: 26.NOV.2014 06:17:09

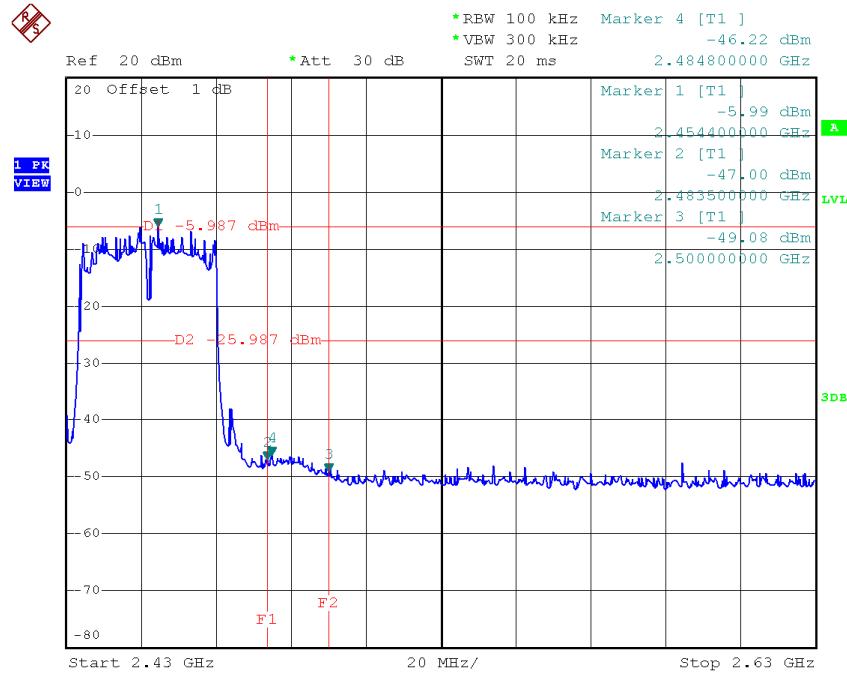
TX HT40 mode CH09 (10 Harmonic of the frequency)

Date: 26.NOV.2014 06:18:50

Test Mode :	TX N-40M Mode_ANT 2
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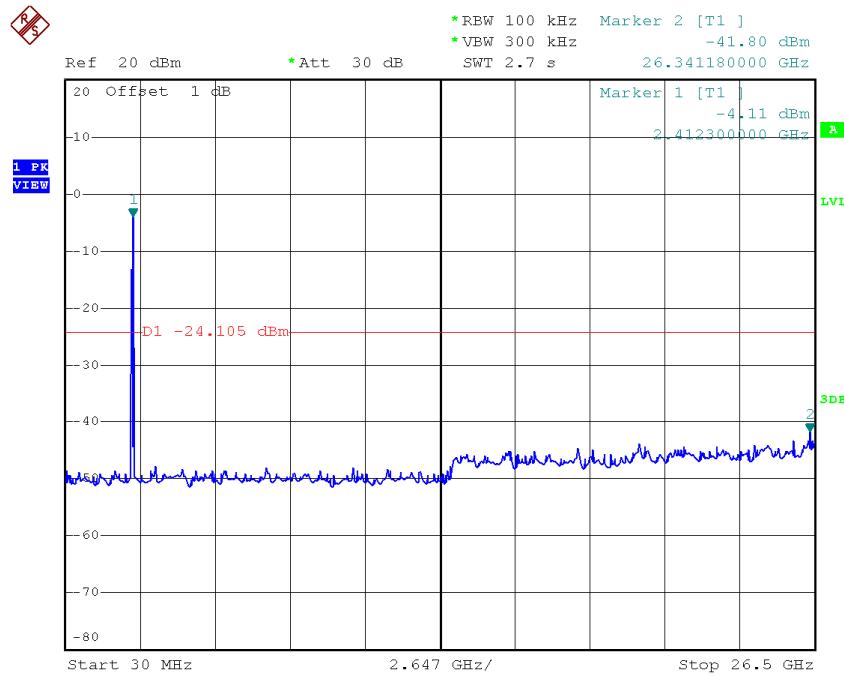
TX HT40 mode CH03

Date: 26.NOV.2014 06:23:04

TX HT40 mode CH09

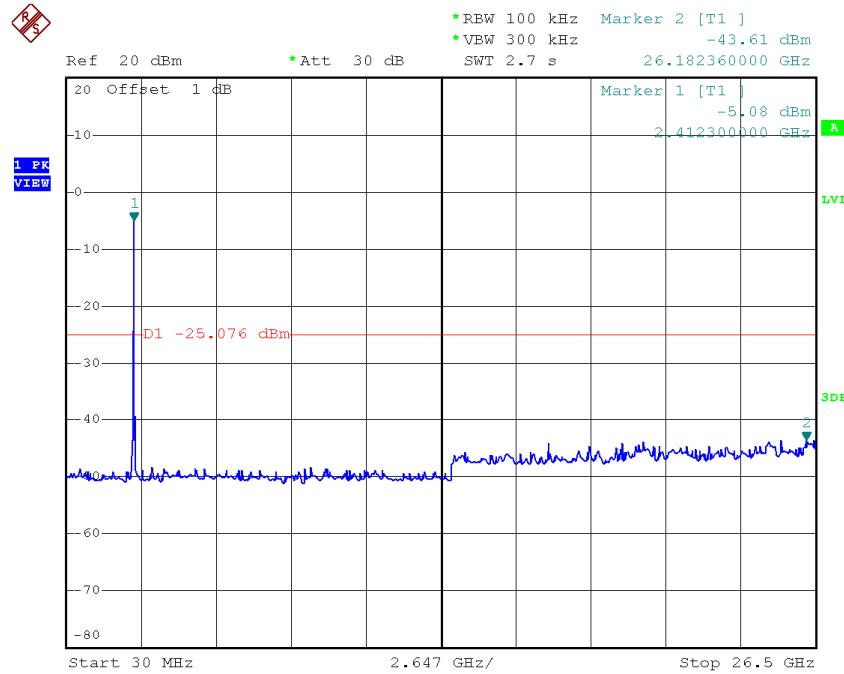
Date: 26.NOV.2014 06:26:39

TX HT40 mode CH03 (10 Harmonic of the frequency)

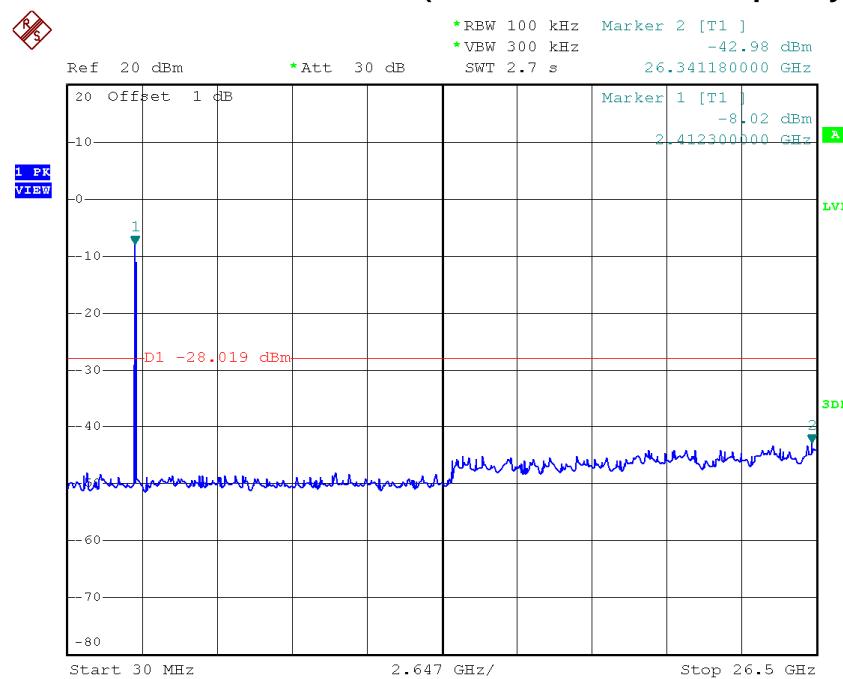


Date: 26.NOV.2014 06:22:57

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 26.NOV.2014 06:24:35

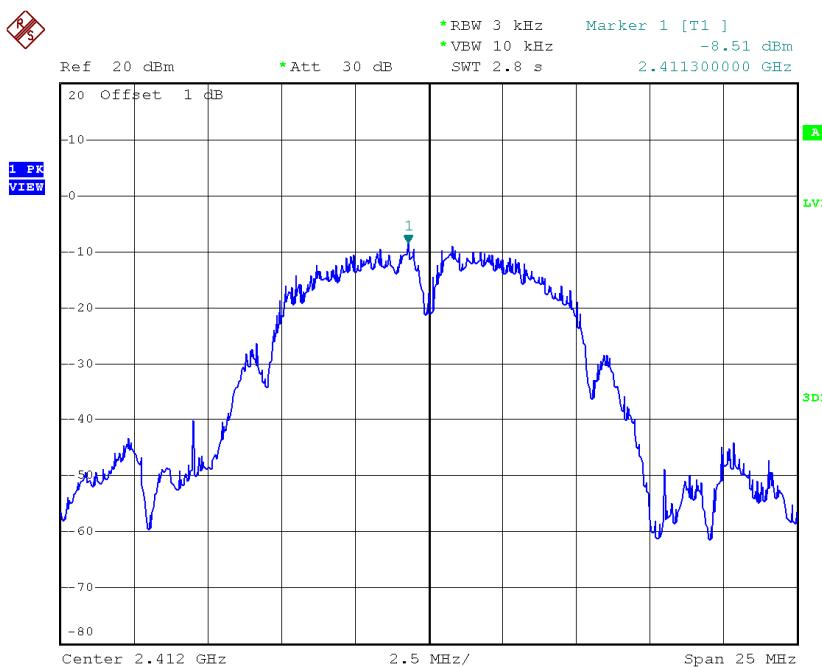
TX HT40 mode CH09 (10 Harmonic of the frequency)

Date: 26.NOV.2014 06:26:31

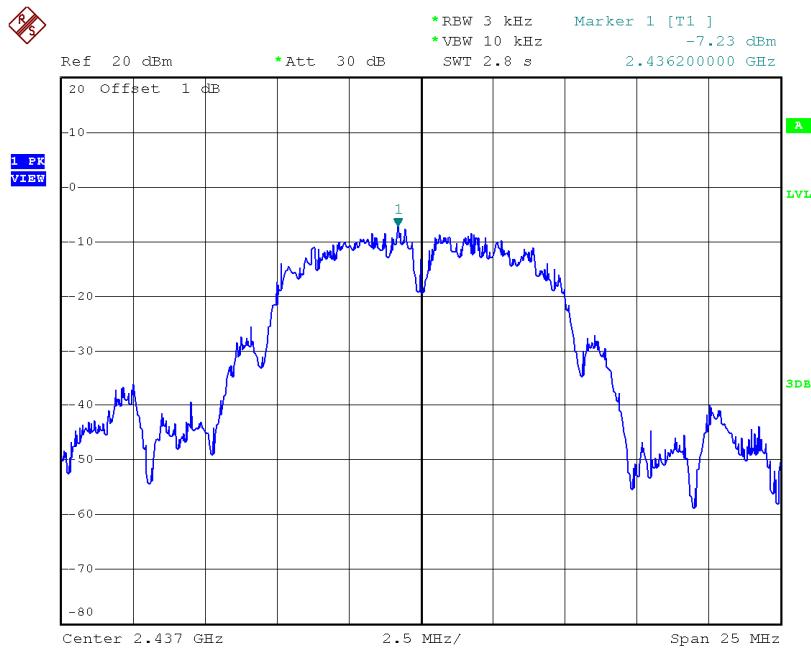
ATTACHMENT H - POWER SPECTRAL DENSITY

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

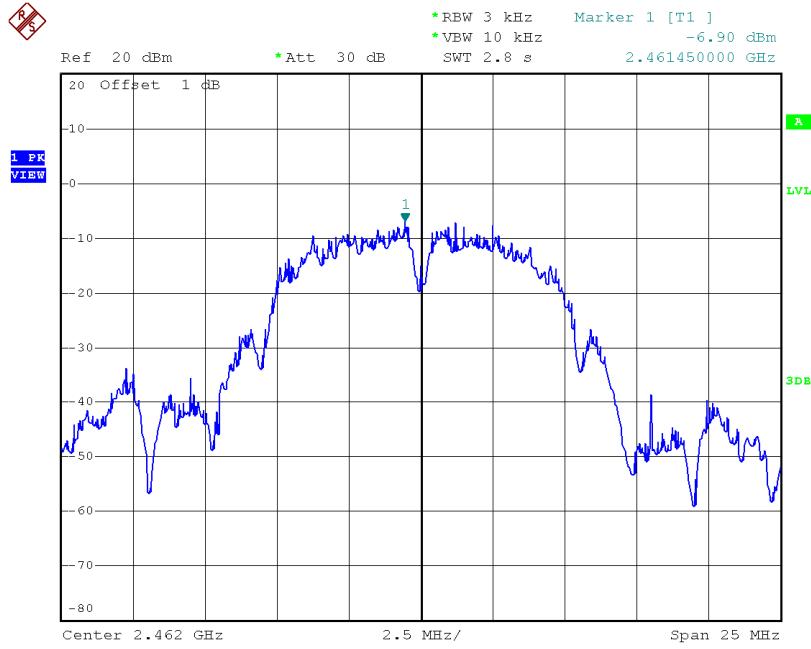
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-8.51	0.14	8.00	Complies
2437	-7.23	0.19	8.00	Complies
2462	-6.90	0.20	8.00	Complies

TX CH01

Date: 26.NOV.2014 05:52:39

TX CH06

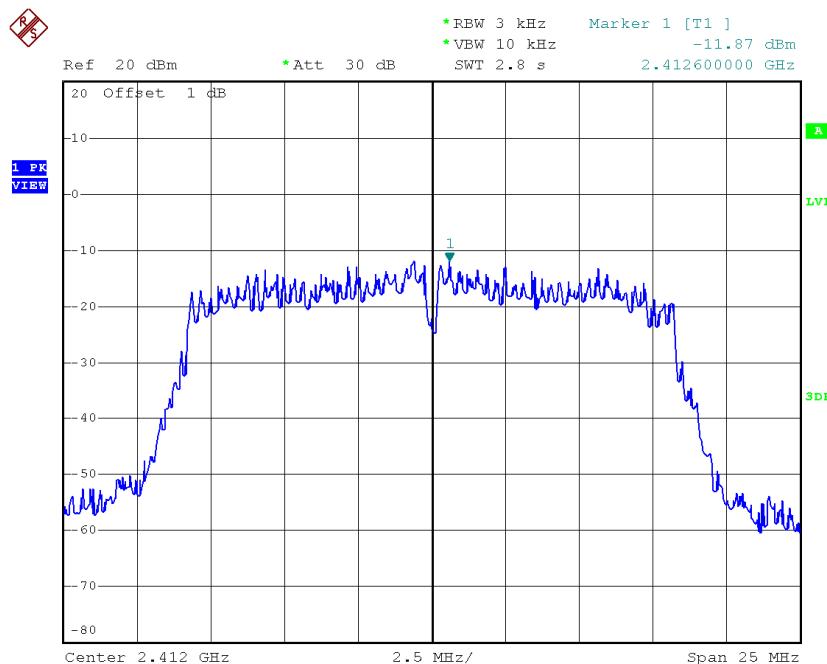
Date: 26.NOV.2014 05:53:52

TX CH11

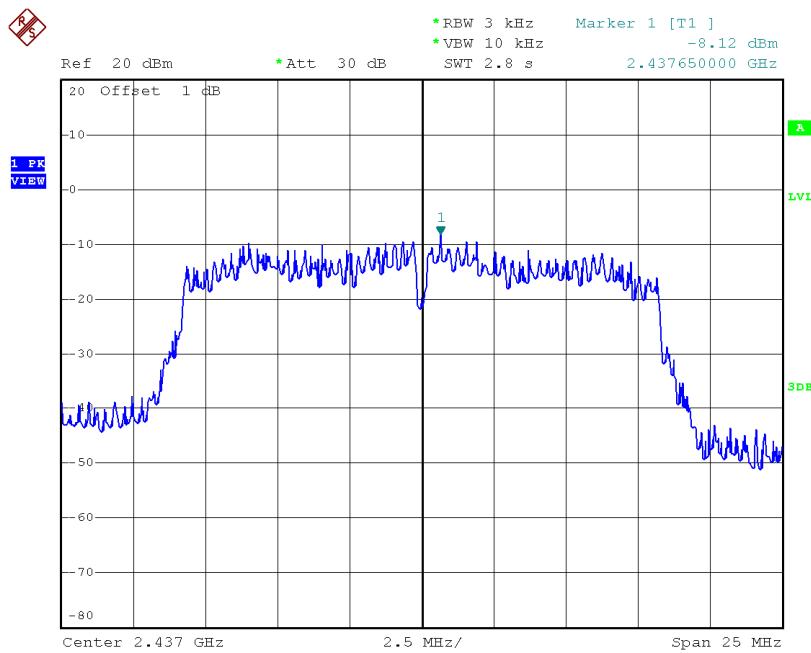
Date: 26.NOV.2014 05:55:02

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

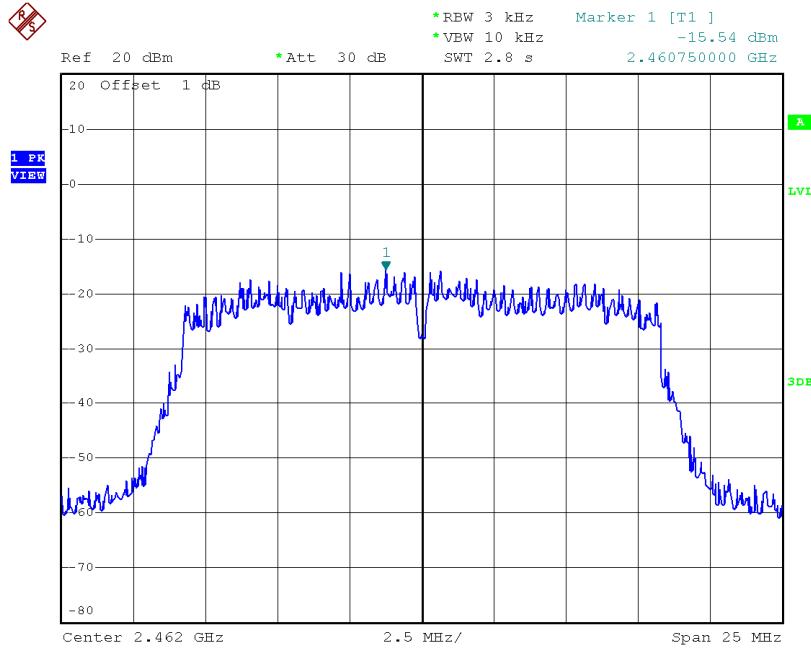
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.87	0.07	8.00	Complies
2437	-8.12	0.15	8.00	Complies
2462	-15.54	0.03	8.00	Complies

TX CH01

Date: 26.NOV.2014 05:56:54

TX CH06

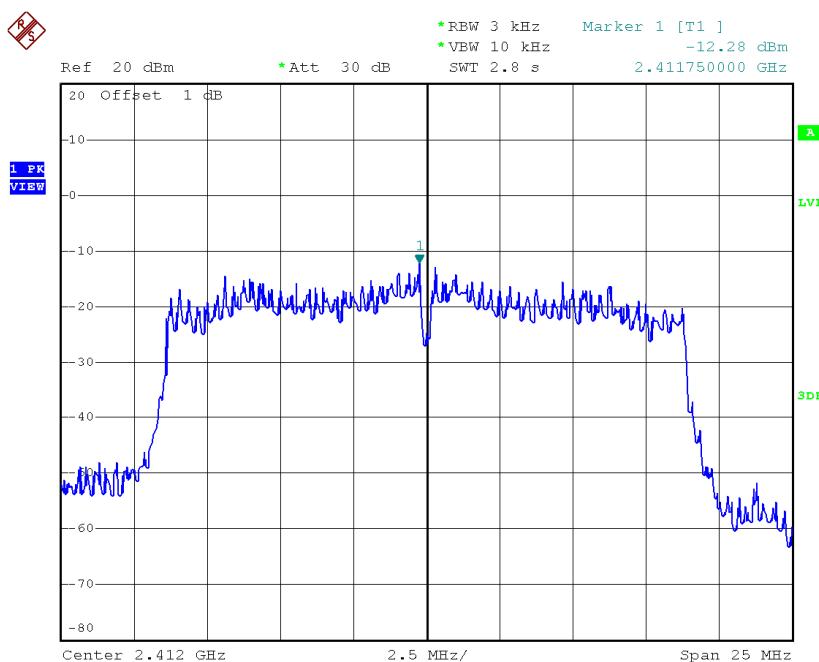
Date: 26.NOV.2014 05:58:11

TX CH11

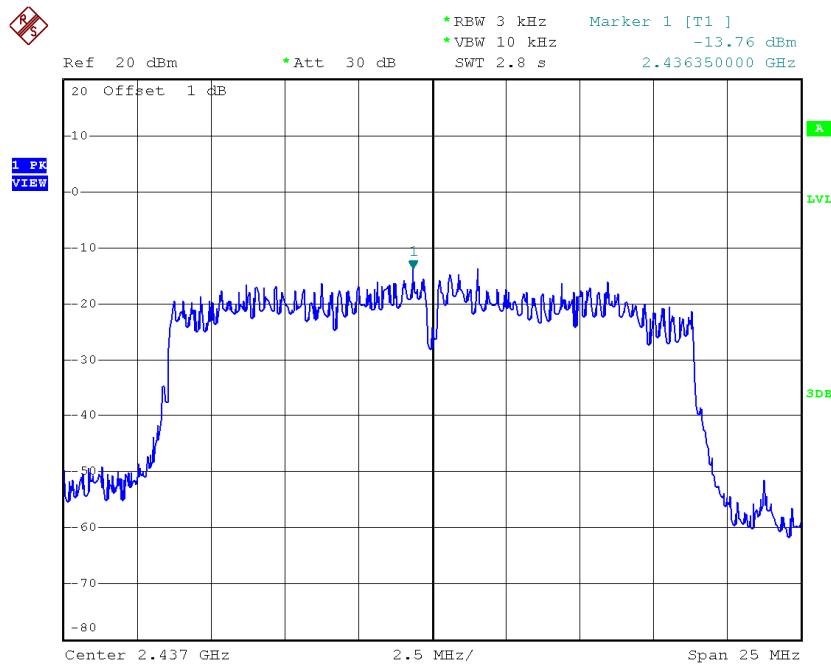
Date: 26.NOV.2014 06:00:06

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

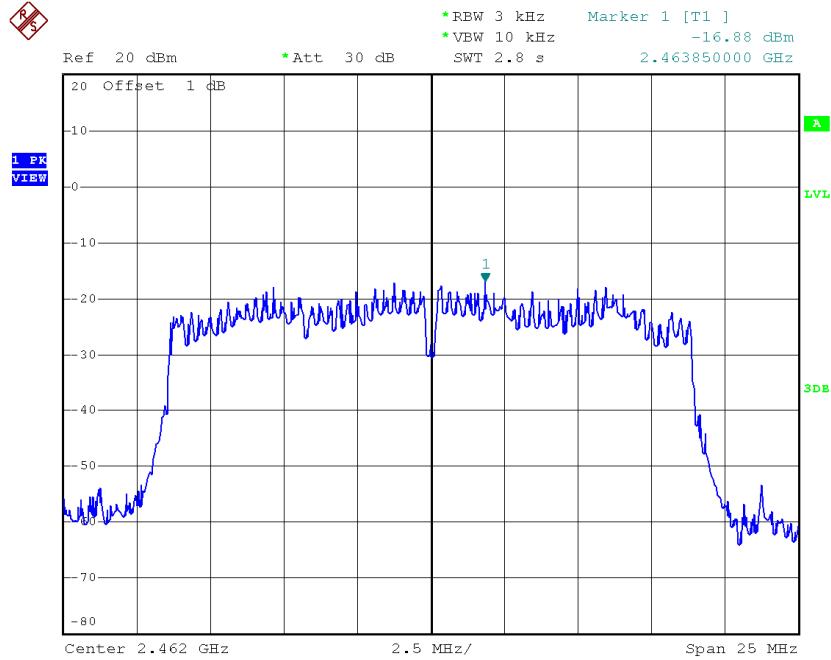
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.28	0.06	8.00	Complies
2437	-13.76	0.04	8.00	Complies
2462	-16.88	0.02	8.00	Complies

TX CH01


Date: 26.NOV.2014 06:03:08

TX CH06

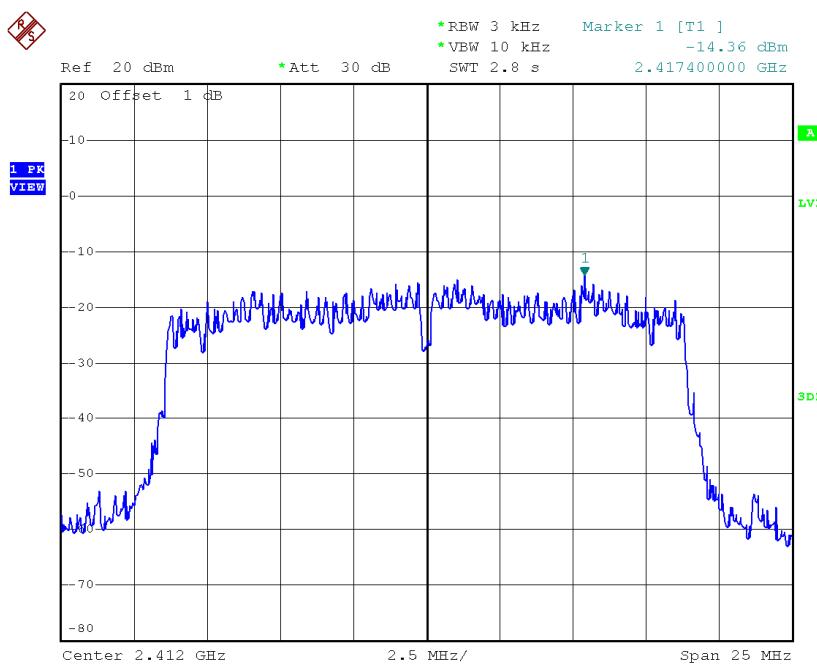
Date: 26.NOV.2014 06:04:26

TX CH11

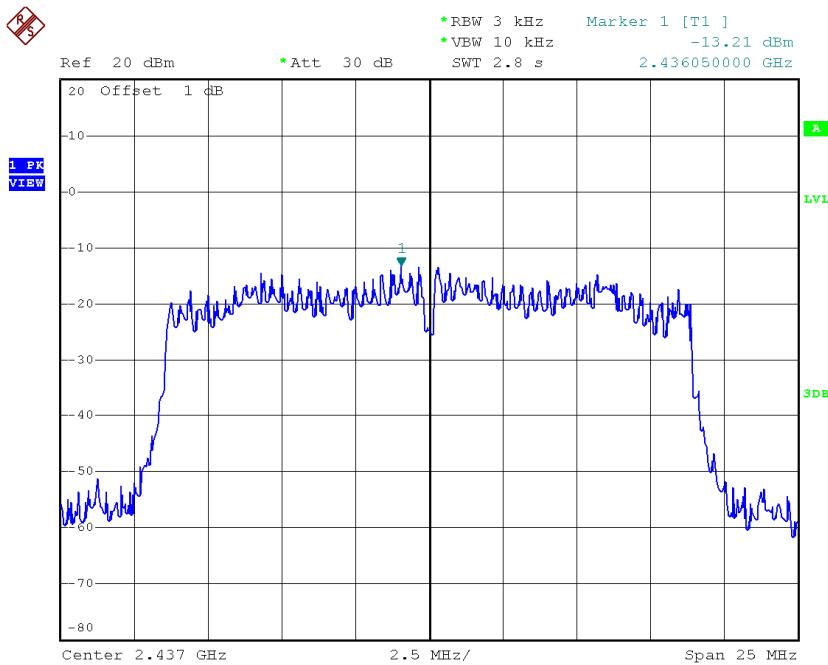
Date: 26.NOV.2014 06:06:02

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

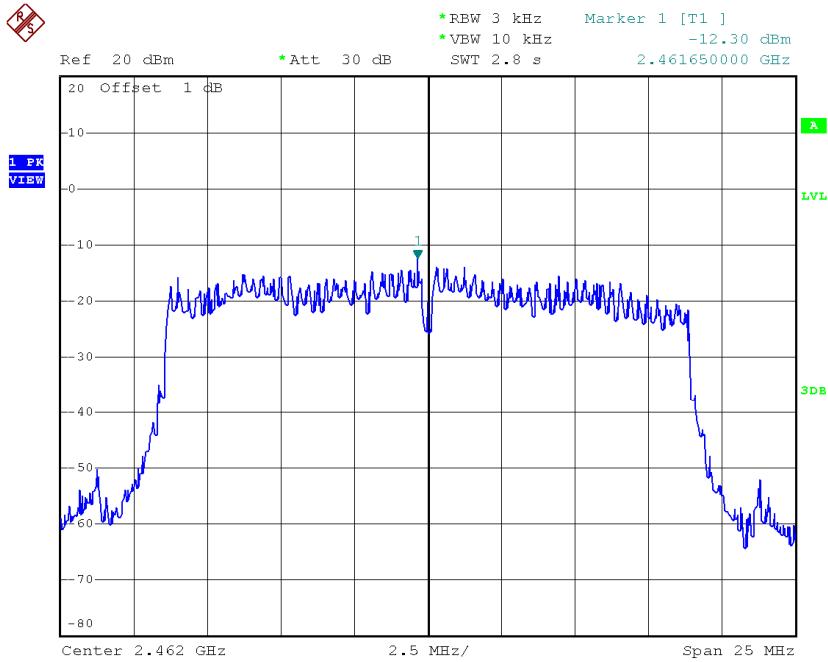
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.36	0.04	8.00	Complies
2437	-13.21	0.05	8.00	Complies
2462	-12.30	0.06	8.00	Complies

TX CH01


Date: 26.NOV.2014 06:08:44

TX CH06

Date: 26.NOV.2014 06:10:03

TX CH11

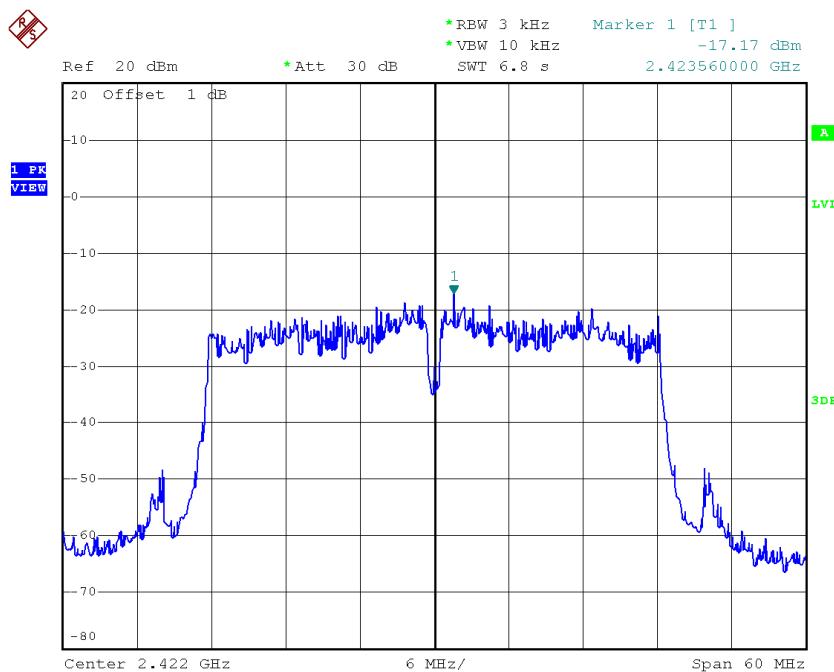
Date: 26.NOV.2014 06:12:49

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

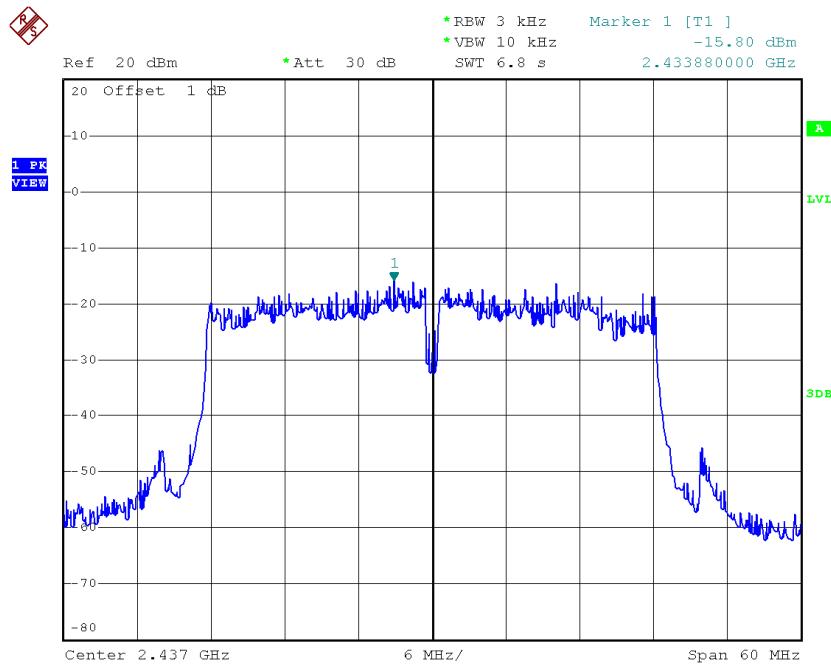
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-10.19	0.10	8.00	Complies
2437	-10.46	0.09	8.00	Complies
2462	-11.00	0.08	8.00	Complies

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

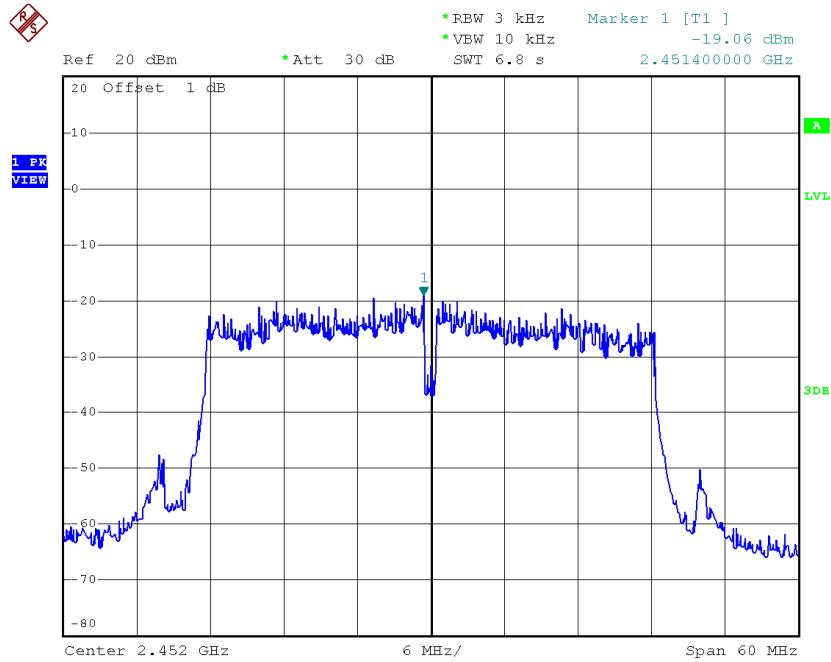
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-17.17	0.02	8.00	Complies
2437	-15.80	0.03	8.00	Complies
2452	-19.06	0.01	8.00	Complies

TX CH03


Date: 26.NOV.2014 06:15:41

TX CH06

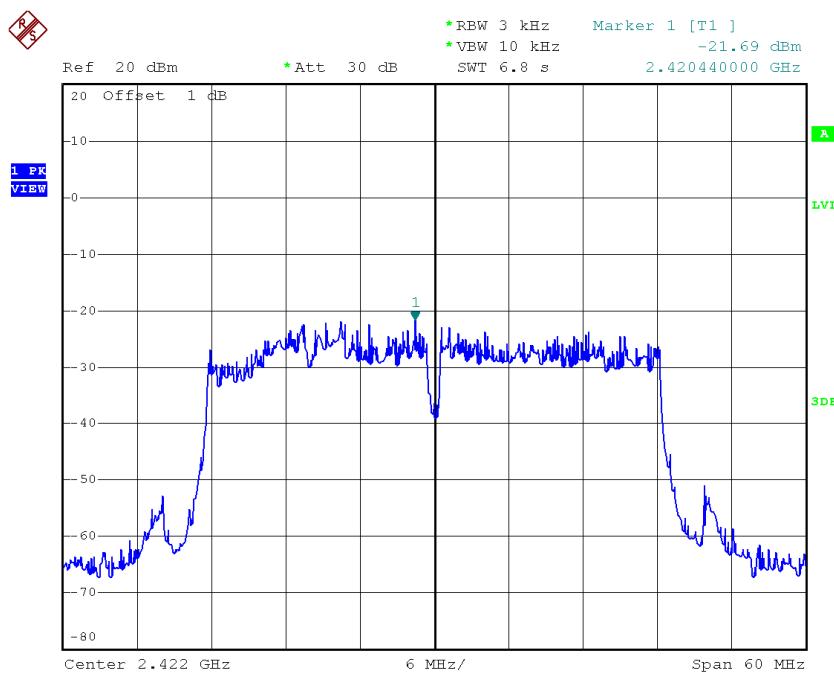
Date: 26.NOV.2014 06:17:20

TX CH09

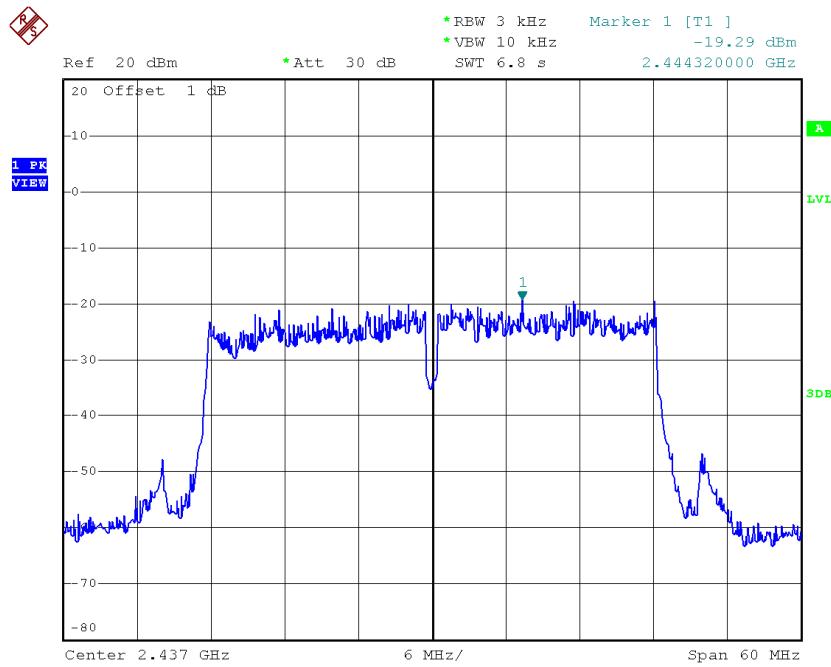
Date: 26.NOV.2014 06:19:09

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

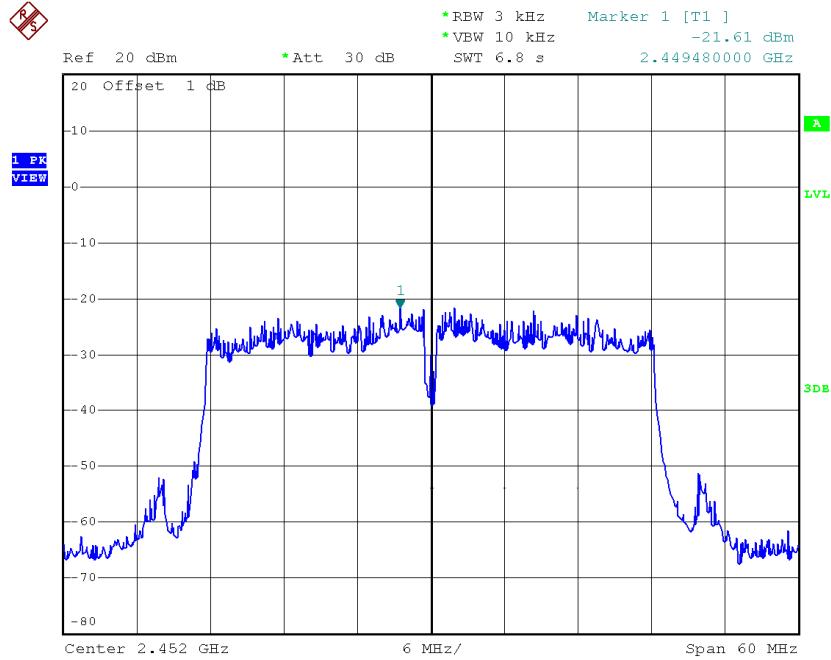
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-21.69	0.01	8.00	Complies
2437	-19.29	0.01	8.00	Complies
2452	-21.61	0.01	8.00	Complies

TX CH03


Date: 26.NOV.2014 06:23:16

TX CH06

Date: 26.NOV.2014 06:24:46

TX CH09

Date: 26.NOV.2014 06:27:30

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

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-15.86	0.03	8.00	Complies
2437	-14.19	0.04	8.00	Complies
2452	-17.14	0.02	8.00	Complies