

FCC&IC Radio Test Report

FCC ID: UZZK401

IC: 7633A-K401

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

Project No. : 1408C226
Equipment : Kinoma Create
Model Name : K4-01
Applicant : Beautiful Enterprise Co., Ltd.
Address : 27th Floor, Beautiful Group Tower, 77 Connaught Road Central, Hong Kong

Date of Receipt : Aug. 30, 2014
Date of Test : Aug. 30, 2014~Oct. 21, 2014
Issued Date : Oct. 22, 2014
Tested by : BTL Inc.

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Declaration

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

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Limitation

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

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FICP-1-1408C226	Original Issue.	Oct. 22, 2014

1. CERTIFICATION

Equipment : Kinoma Create
Brand Name : Kinoma
Model Name : K4-01
Applicant : Beautiful Enterprise Co., Ltd.
Manufacturer : Beautiful Enterprise Co., Ltd.
Address : 27th Floor, Beautiful Group Tower, 77 Connaught Road Central, Hong Kong
Factory : Shenzhen Synchron Electronics Co., Ltd.
Address : No. 9 Mei Li Road, Xia Mei Lin, Fu Tian Area, Shenzhen, Guangdong, China
Date of Test : Aug. 30, 2014~Oct. 21, 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 3, Dec 2010

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FICP-1-1408C226) 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 3, Dec 2010**

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

NOTE:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C02/DG-CB03** at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, 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	3.40	

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	Kinoma Create	
Brand Name	Kinoma	
Model Name	K4-01	
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 150 Mbps
	Output Power (Max.)	802.11b: 16.30dBm 802.11g: 21.32dBm 802.11n(20MHz): 21.22dBm 802.11n(40MHz): 21.25dBm
Power Source	#1 DC Voltage supplied from AC/DC adapter. Model:JHD-AP012U-050200AB #2 Supplied from Li-ion Battery.	
Power Rating	#1 I/P:100-240V 50/60Hz 0.35A O/P:5V 2000mA #2 DC 3.7V 2600mAh	

Note:

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

2. Channel List:

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

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	 antenova® m2m	A10192	SMD	N/A	0.80

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 (6.5Mbps)
802.11n HT40 mode : BPSK (13.5Mbps)
For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.
- (4) Both adapter and battery are evaluated, operated the battery is the worst for radiated emission and recorded as below test data.

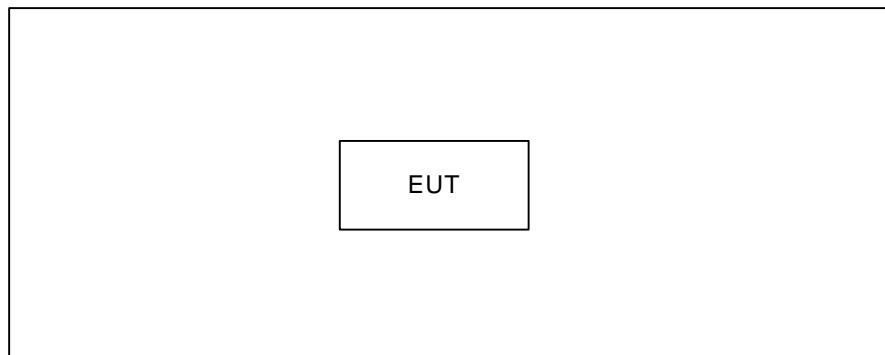
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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	Tera Term		
Frequency (MHz)	2412	2437	2462
802.11b	14	14	14
802.11g	12	12	12
802.11n (20MHz)	12	12	12
Frequency	2422	2437	2452
802.11n (40MHz)	12	12	12

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated TX Mode:



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

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

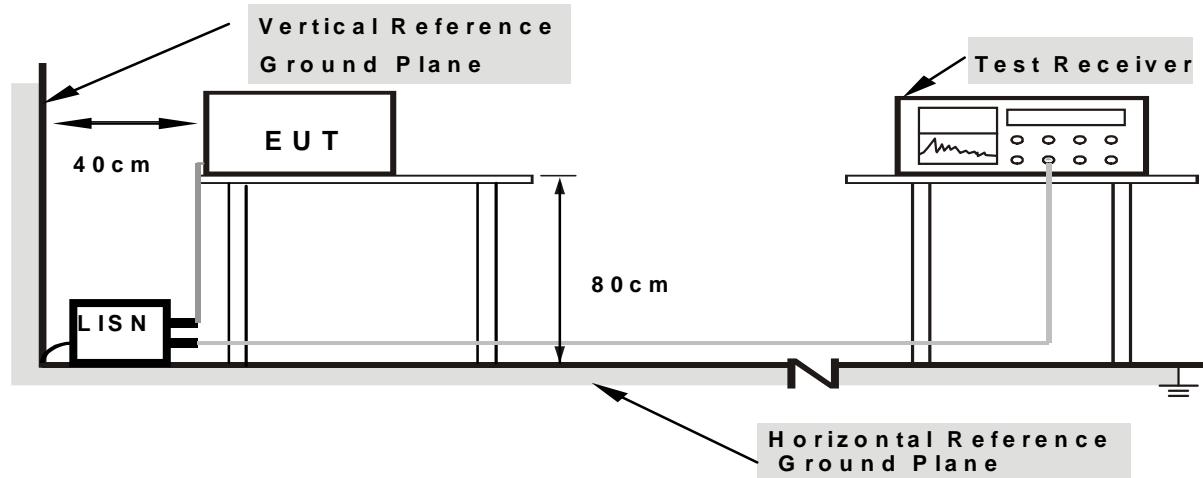
4.1.2 TEST PROCEDURE

- 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 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).

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

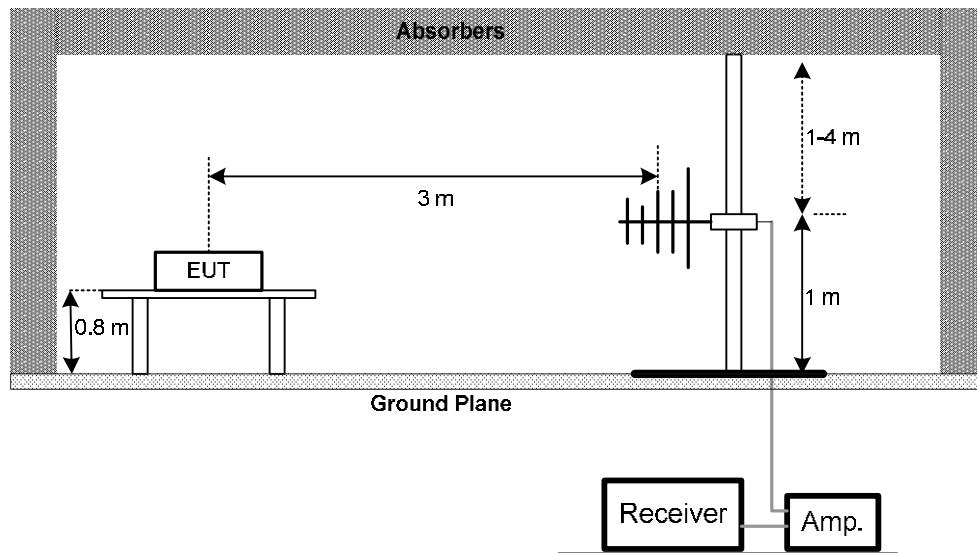
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at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

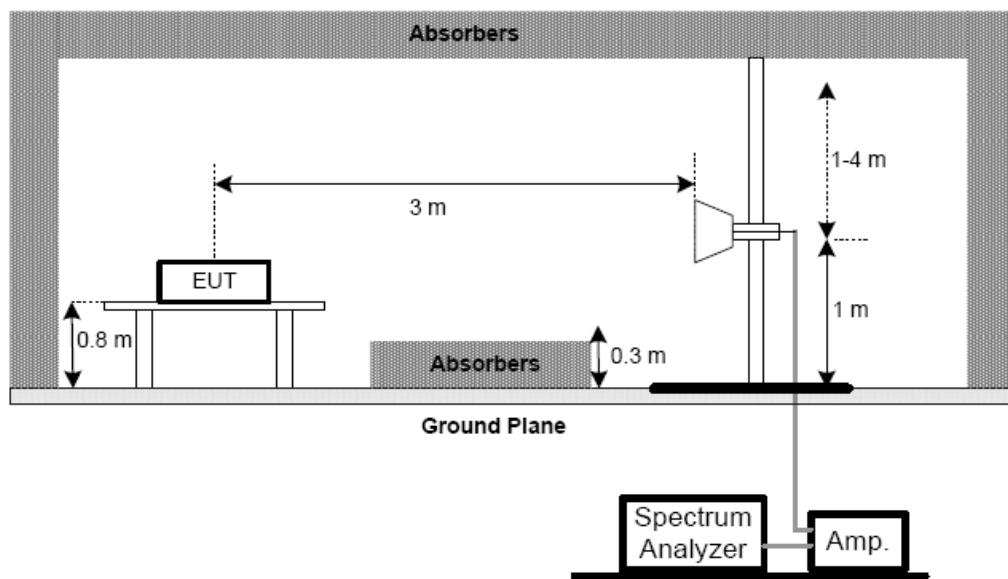
No deviation

4.2.4 TEST SETUP

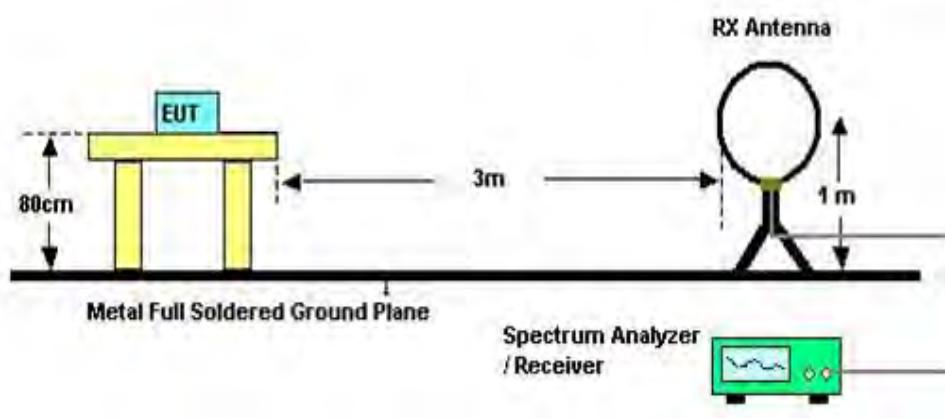
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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 **4.1.5 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: DC 3.7V

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 (dB_{UV}) + distance extrapolation factor.

4.2.8 TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

5. BANDWIDTH TEST

5.1 Applied procedures

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

5.1.1 TEST PROCEDURE

- 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: DC 3.7V

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: DC 3.7V

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.

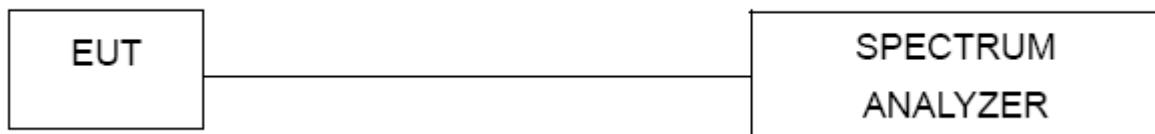
7.1.1 TEST PROCEDURE

- 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: DC 3.7V

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: DC 3.7V

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Mar. 29, 2015
2	LISN	R&S	ENV216	101447	Mar. 29, 2015
3	Test Cable	N/A	C_17	N/A	Mar. 14, 2015
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 29, 2015

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EMCO	3142C	00066462	Mar. 29, 2015
2	Antenna	EMCO	3142C	00066464	Mar. 29, 2015
3	Amplifier	Agilent	8447D	2944A11203	Nov. 11, 2014
4	Amplifier	Agilent	8447D	2944A11204	Nov. 11, 2014
5	Spectrum Analyzer	Agilent	E4443A	MY48250370	Nov. 11, 2014
6	RF Pre-selector	Agilent	N9039A	MY46520201	Nov. 11, 2014
7	Test Cable	N/A	Cable_5m_8m _15m	N/A	Jan. 14, 2015
8	Test Cable	N/A	Cable_5m_11 m_15m	N/A	Jan. 14, 2015
9	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
10	RF Pre-selector	Agilent	N9039A	MY46520214	Nov. 11, 2014
11	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
12	Horn Antenna	EMCO	3115	9605-4803	Mar. 29, 2015
13	Amplifier	Agilent	8449B	3008A02584	Nov. 11, 2014
14	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
15	Test Cable	Huber+Suhner	SUCOFLEX_1 5m_4m	N/A	Jan. 14, 2015

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

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

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

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

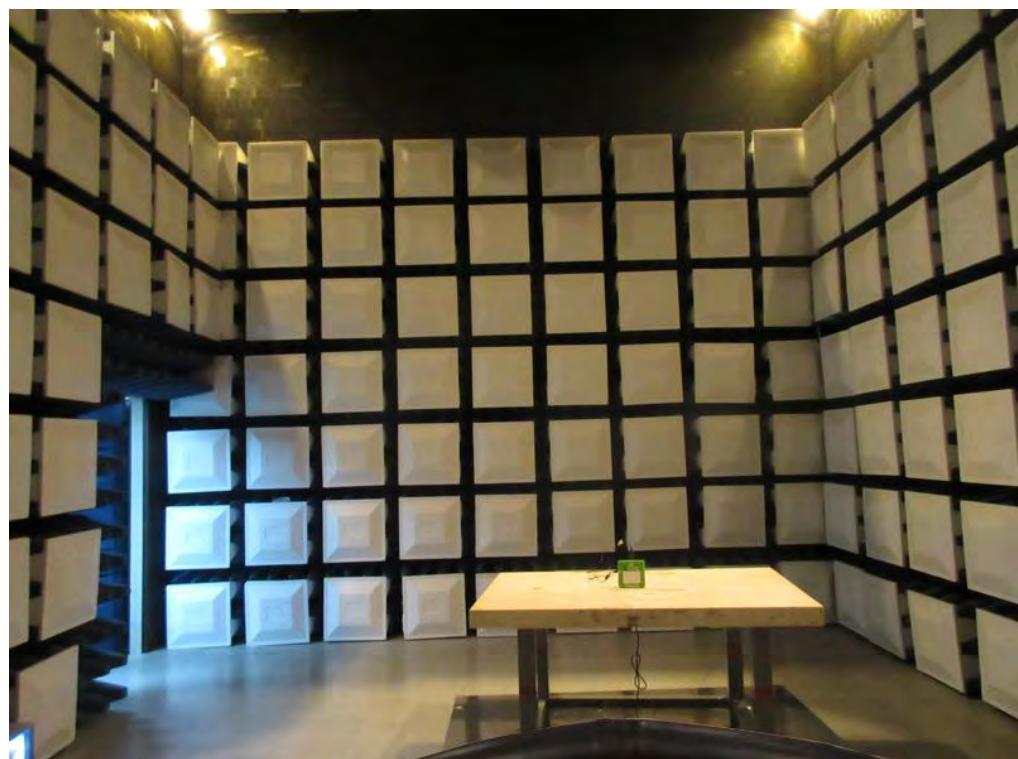
Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

10. EUT TEST PHOTO**Conducted Measurement Photos**

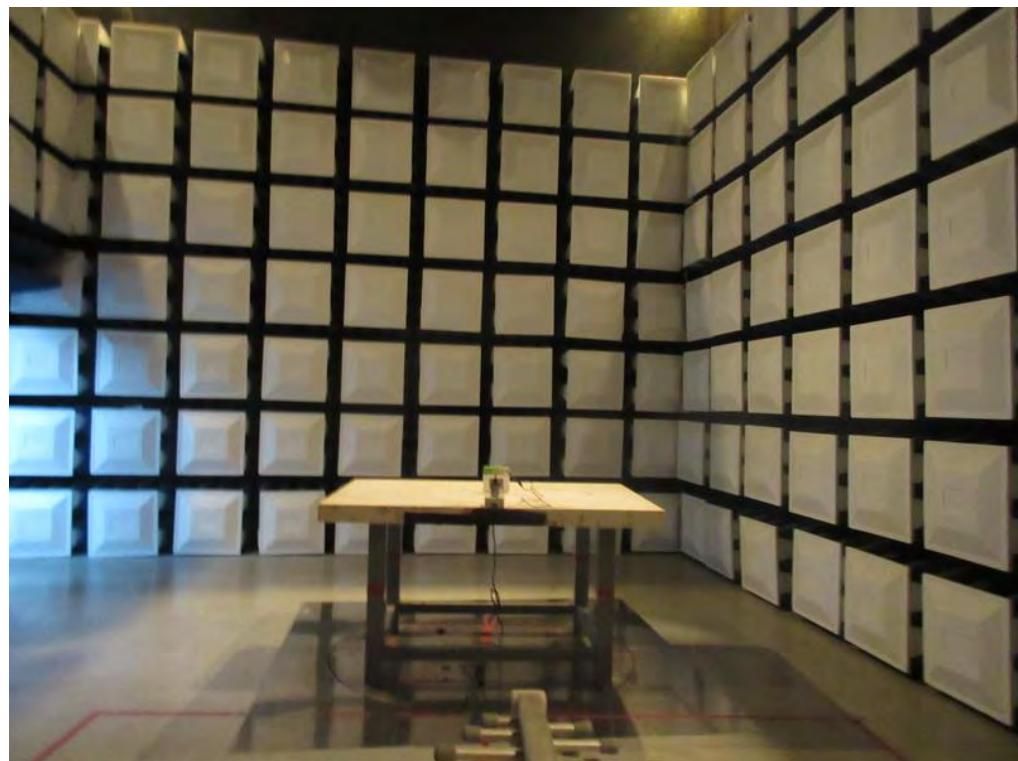
Radiated Measurement Photos

9KHz to 30MHz



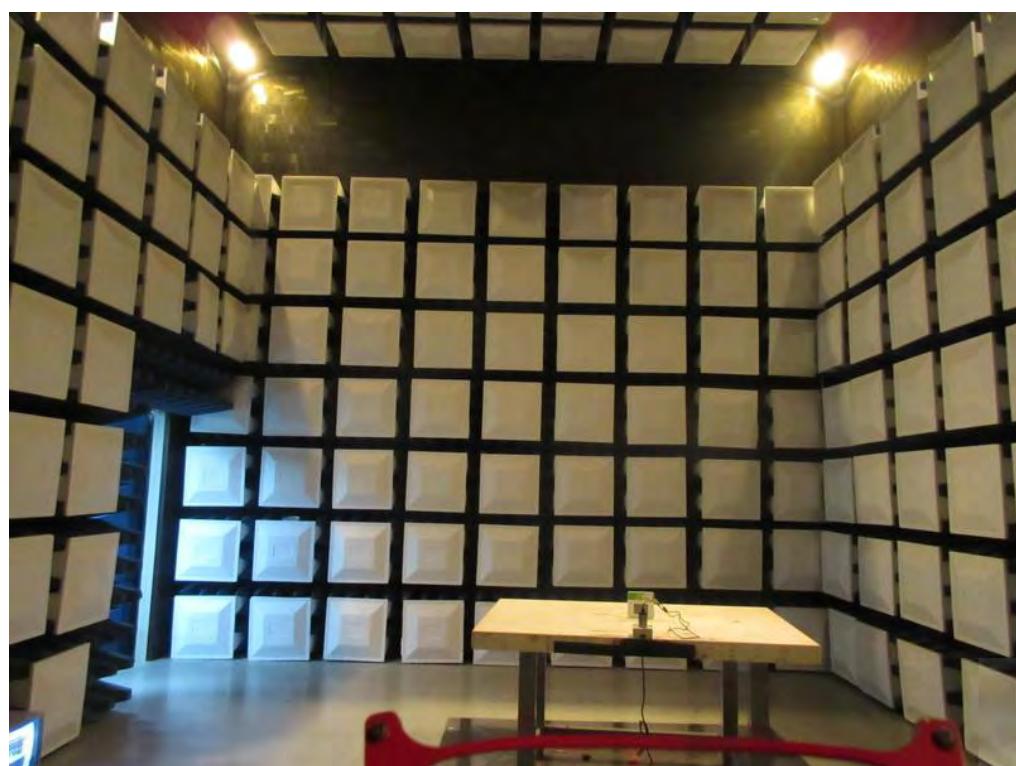
Radiated Measurement Photos

30MHz to 1000MHz



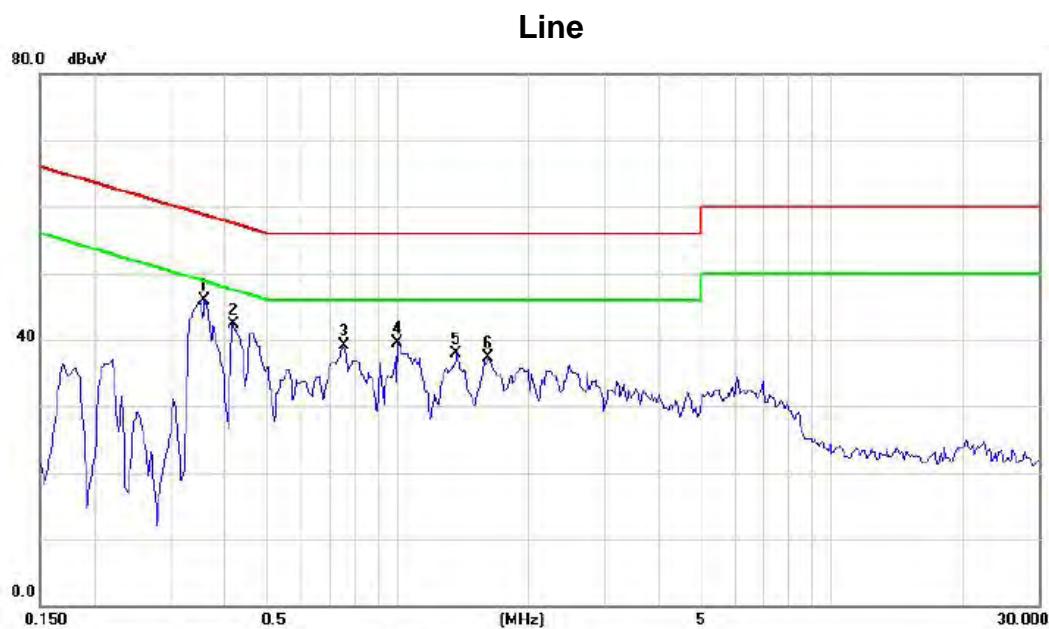
Radiated Measurement Photos

Above 1000MHz



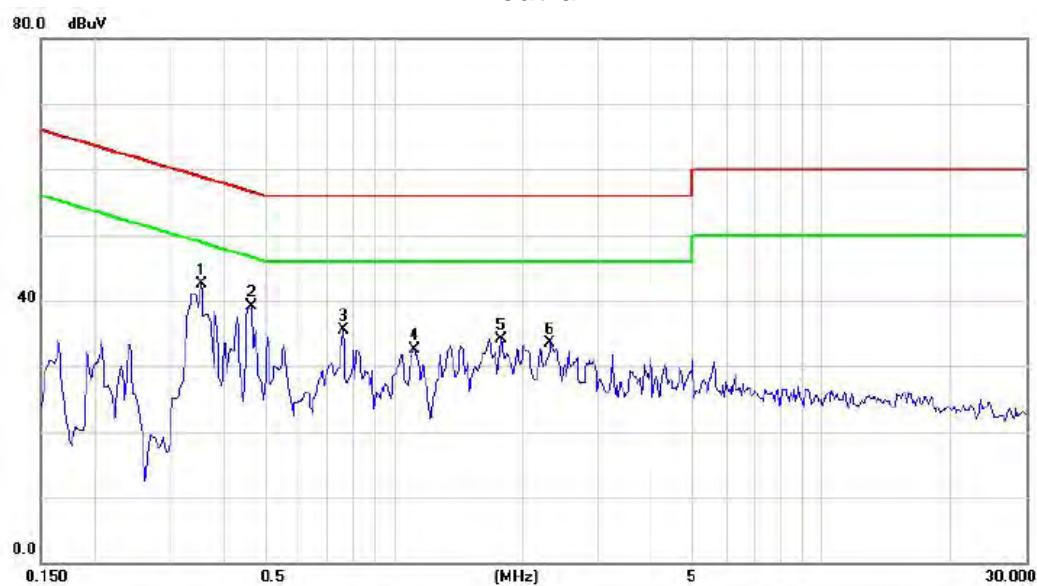
ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX MODE



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dB	Over Detector	Comment
1	*	0.3593	36.16	9.83	45.99	58.74	-12.75	peak
2		0.4192	32.51	9.89	42.40	57.46	-15.06	peak
3		0.7510	29.32	9.69	39.01	56.00	-16.99	peak
4		0.9996	29.87	9.70	39.57	56.00	-16.43	peak
5		1.3665	28.17	9.73	37.90	56.00	-18.10	peak
6		1.6190	27.60	9.74	37.34	56.00	-18.66	peak

Test Mode : TX MODE

Neutral

No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1	*	0.3557	32.70	9.83	42.53	58.83	-16.30	peak	
2		0.4661	29.10	9.95	39.05	56.58	-17.53	peak	
3		0.7630	25.79	9.69	35.48	56.00	-20.52	peak	
4		1.1170	22.77	9.71	32.48	56.00	-23.52	peak	
5		1.7810	24.40	9.76	34.16	56.00	-21.84	peak	
6		2.3212	23.64	9.79	33.43	56.00	-22.57	peak	

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

Test Mode:	TX Mode 2412MHz
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Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0094	0°	2.94	24.30	27.24	128.18	-100.94	AVG
0.0094	0°	9.22	24.30	33.52	148.18	-114.66	PEAK
0.0125	0°	4.19	24.30	28.49	125.67	-97.18	AVG
0.0125	0°	8.32	24.30	32.62	145.67	-113.05	PEAK
0.0248	0°	1.08	24.00	25.08	119.72	-94.64	AVG
0.0248	0°	8.99	24.00	32.99	139.72	-106.73	PEAK
0.0330	0°	1.08	23.48	24.56	117.23	-92.68	AVG
0.0330	0°	9.25	23.48	32.73	137.23	-104.51	PEAK
0.5600	0°	10.57	19.99	30.56	72.64	-42.08	QP
1.7511	0°	10.29	19.52	29.81	69.54	-39.73	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0092	90°	2.85	24.30	27.15	128.30	-101.15	AVG
0.0092	90°	10.21	24.30	34.51	148.30	-113.79	PEAK
0.0190	90°	3.27	24.30	27.57	122.03	-94.46	AVG
0.0190	90°	9.78	24.30	34.08	142.03	-107.95	PEAK
0.0310	90°	2.31	23.60	25.91	117.78	-91.86	AVG
0.0310	90°	9.88	23.60	33.48	137.78	-104.29	PEAK
0.0451	90°	2.83	22.71	25.54	114.52	-88.98	AVG
0.0451	90°	11.36	22.71	34.07	134.52	-100.45	PEAK
0.4912	90°	9.18	19.82	29.00	73.78	-44.78	QP
1.7153	90°	10.06	19.53	29.59	69.54	-39.95	QP

Remark:

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

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

Test Mode: TX B MODE CHANNEL 01

Vertical



No. Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detector	Comment
		dBuV	dB	dBuV/m	dBuV/m	dB		
1	98.8700	49.64	-16.55	33.09	43.50	-10.41	peak	
2	130.8800	43.99	-13.07	30.92	43.50	-12.58	peak	
3	256.0100	42.43	-13.88	28.55	46.00	-17.45	peak	
4	288.0200	41.15	-11.40	29.75	46.00	-16.25	peak	
5 *	392.7800	47.35	-9.86	37.49	46.00	-8.51	peak	
6	468.4400	44.84	-9.32	35.52	46.00	-10.48	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	dB	Detector	Comment
1		56.1900	40.58	-14.51	26.07	40.00	-13.93	peak	
2		143.4900	39.15	-13.17	25.98	43.50	-17.52	peak	
3		256.0100	47.76	-13.88	33.88	46.00	-12.12	peak	
4		297.7200	49.61	-11.03	38.58	46.00	-7.42	peak	
5	*	392.7800	53.51	-9.86	43.65	46.00	-2.35	peak	
6		797.2700	41.23	-2.99	38.24	46.00	-7.76	peak	

Test Mode: TX B MODE CHANNEL 06

Vertical



No. Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detector	Comment
		dBuV	dB	dBuV/m	dBuV/m	dB		
1	56.1900	46.13	-14.51	31.62	40.00	-8.38	peak	
2	105.6600	48.40	-15.76	32.64	43.50	-10.86	peak	
3	235.6400	44.31	-14.13	30.18	46.00	-15.82	peak	
4	288.0200	41.18	-11.40	29.78	46.00	-16.22	peak	
5 *	392.7800	47.82	-9.86	37.96	46.00	-8.04	peak	
6	468.4400	44.62	-9.32	35.30	46.00	-10.70	peak	

Test Mode: TX B MODE CHANNEL 06

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		191.9900	42.87	-14.48	28.39	43.50	-15.11	peak	
2		288.0200	48.88	-11.40	37.48	46.00	-8.52	peak	
3		335.5500	49.03	-11.56	37.47	46.00	-8.53	peak	
4	*	397.6300	53.24	-9.63	43.61	46.00	-2.39	peak	
5		468.4400	43.11	-9.32	33.79	46.00	-12.21	peak	
6		797.2700	41.39	-2.99	38.40	46.00	-7.60	peak	

Test Mode: TX B MODE CHANNEL 11

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Detector	Over Comment
1	*	56.1900	46.63	-14.51	32.12	40.00	-7.88	peak
2		105.6600	47.87	-15.76	32.11	43.50	-11.39	peak
3		318.0900	40.82	-11.27	29.55	46.00	-16.45	peak
4		392.7800	47.91	-9.86	38.05	46.00	-7.95	peak
5		405.3900	46.75	-9.43	37.32	46.00	-8.68	peak
6		468.4400	45.26	-9.32	35.94	46.00	-10.06	peak

Test Mode: TX B MODE CHANNEL 11

Horizontal

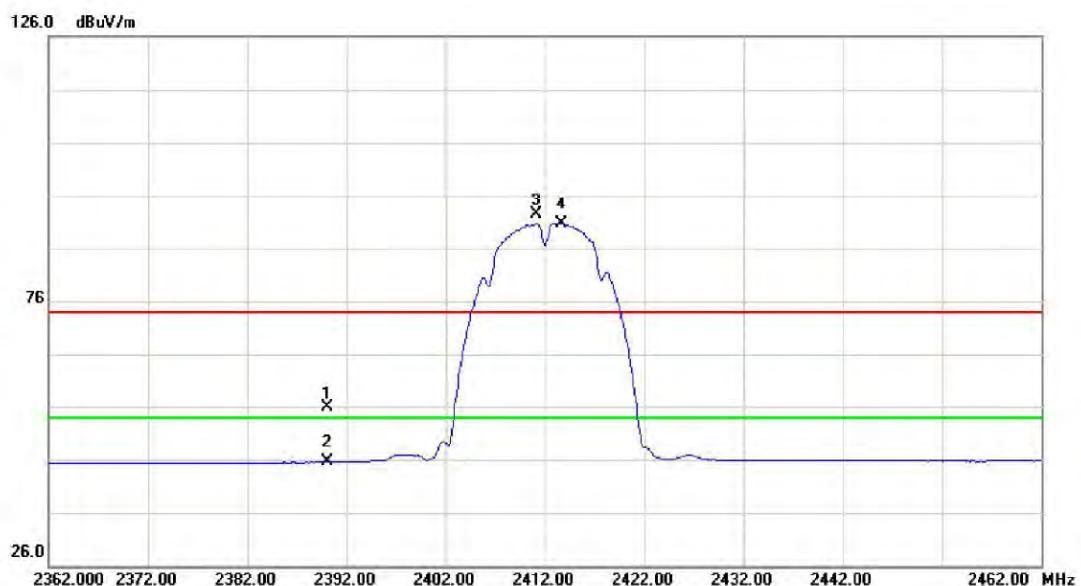


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	dB	Detector	Comment
1		73.6500	43.55	-16.50	27.05	40.00	-12.95	peak	
2		288.0200	48.66	-11.40	37.26	46.00	-8.74	peak	
3		335.5500	49.14	-11.56	37.58	46.00	-8.42	peak	
4	*	392.7800	53.54	-9.86	43.68	46.00	-2.32	peak	
5		468.4400	42.47	-9.32	33.15	46.00	-12.85	peak	
6		797.2700	41.25	-2.99	38.26	46.00	-7.74	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

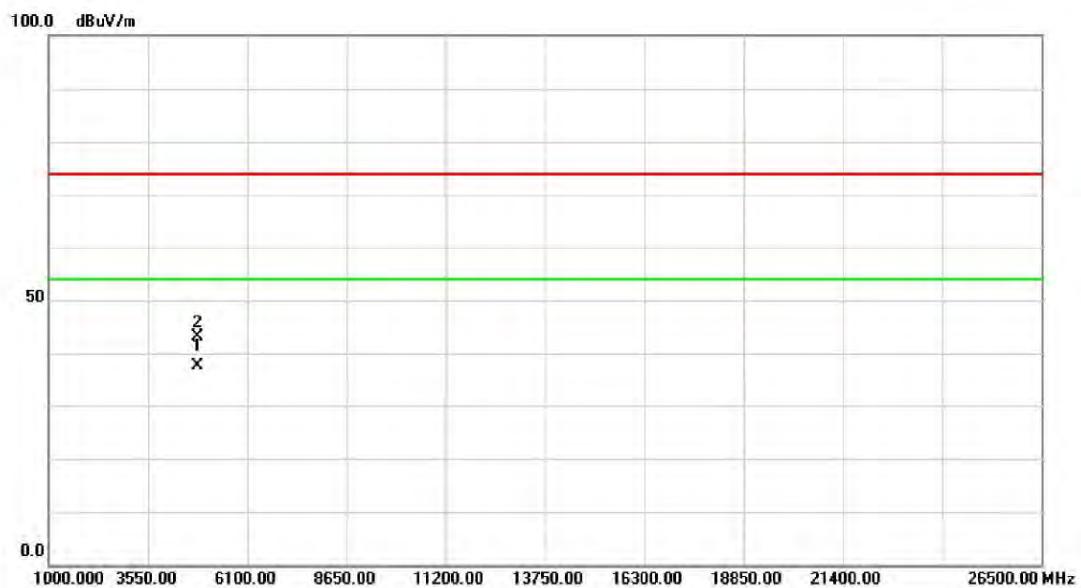
Orthogonal Axis : X

Test Mode : TX B MODE 2412MHz

Vertical

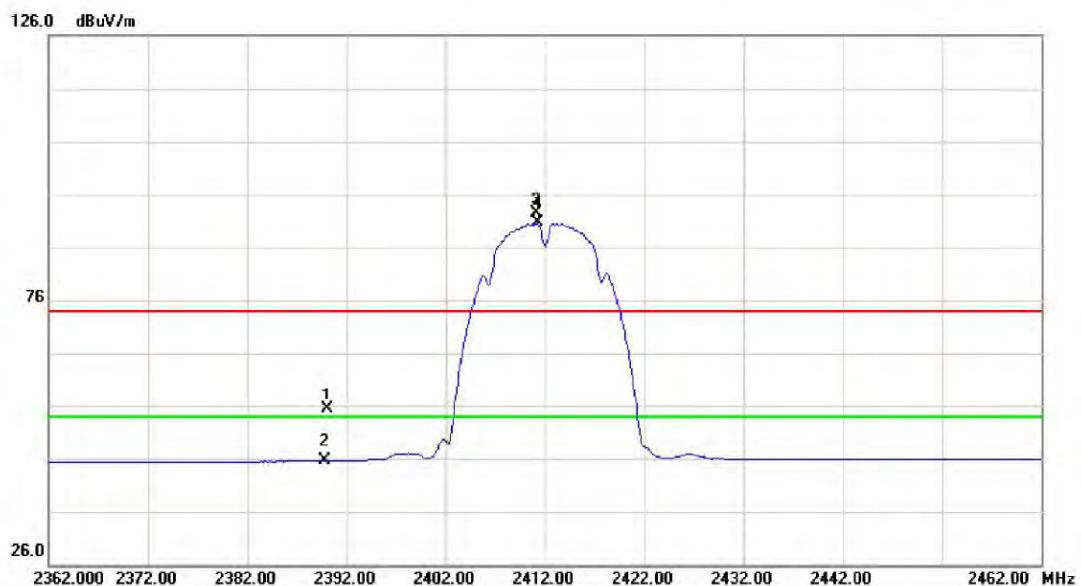
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	24.02	31.88	55.90	74.00	-18.10	peak	
2		2390.000	13.72	31.88	45.60	54.00	-8.40	AVG	
3	X	2411.100	60.55	31.91	92.46	74.00	18.46	peak	no limit
4	*	2413.700	58.82	31.91	90.73	54.00	36.73	AVG	no limit

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

Vertical

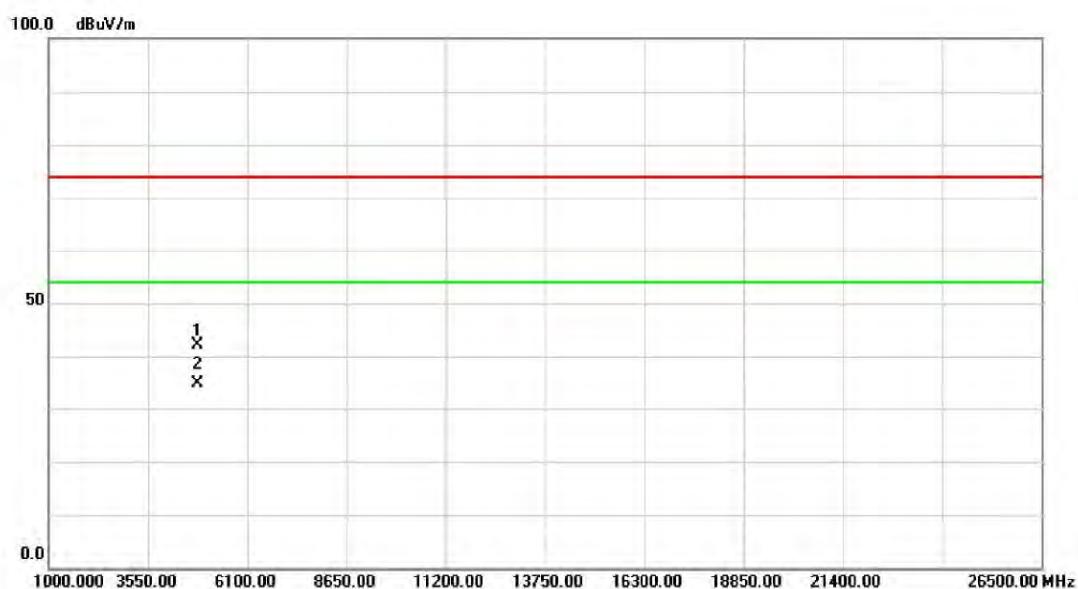
No.	Mk.	Freq. MHz	Reading Level dB _B uV	Correct Factor dB	Measure- ment dB _B uV/m	Limit dB _B uV/m	Over Detector	Comment
1	*	4824.020	34.13	3.62	37.75	54.00	-16.25	AVG
2		4824.060	39.60	3.62	43.22	74.00	-30.78	peak

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 dB	Detector	Over	Comment
1		2390.000	23.46	31.88	55.34	74.00	-18.66	peak	
2		2390.000	13.67	31.88	45.55	54.00	-8.45	AVG	
3	X	2411.100	60.50	31.91	92.41	74.00	18.41	peak	no limit
4	*	2411.200	58.61	31.91	90.52	54.00	36.52	AVG	no limit

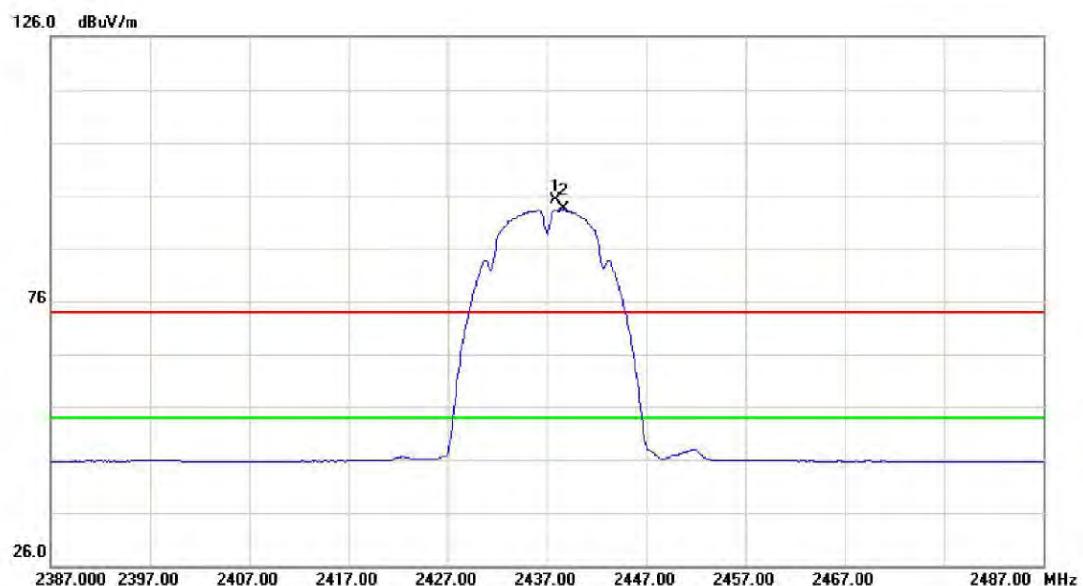
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4823.920	38.43	3.62	42.05	74.00	-31.95	peak
2	*	4823.960	31.15	3.62	34.77	54.00	-19.23	AVG

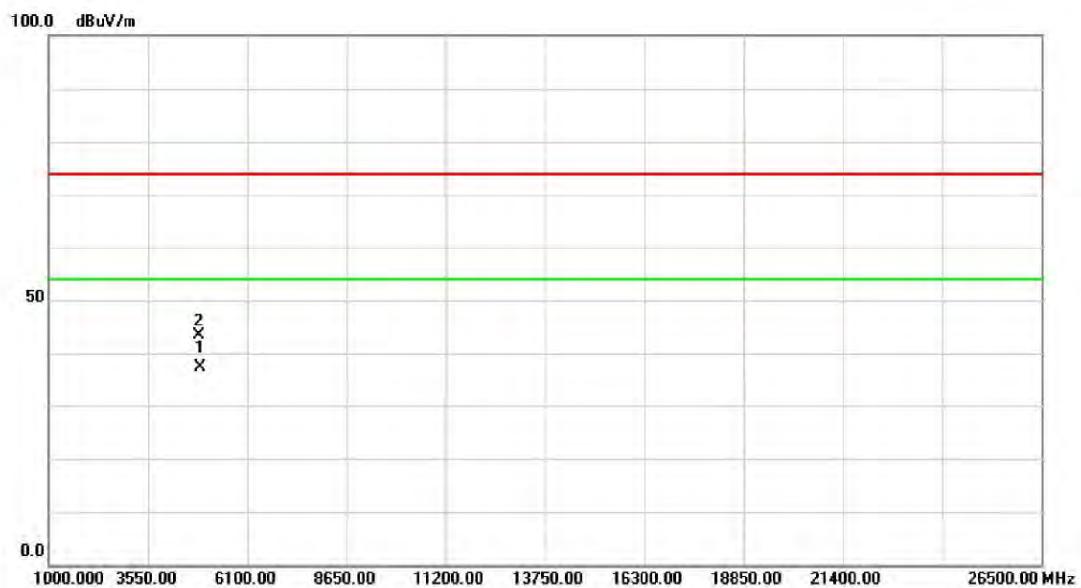
Orthogonal Axis : X

Test Mode : TX B MODE 2437MHz

Vertical

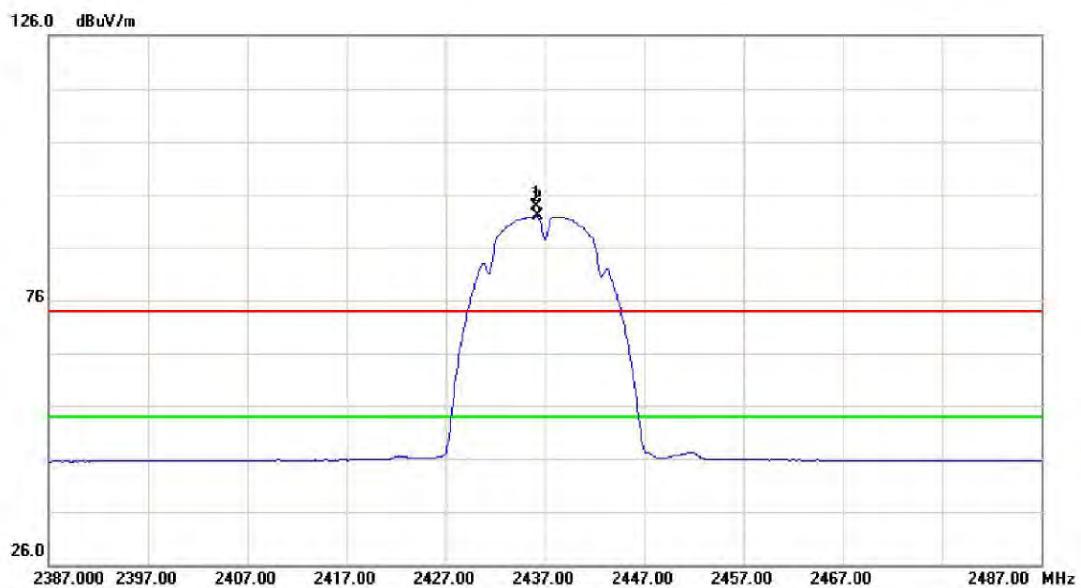
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	X	2437.900	63.23	31.94	95.17	74.00	21.17	peak	no limit
2	*	2438.700	61.33	31.94	93.27	54.00	39.27	AVG	no limit

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 dB	Over Detector	Comment
1	*	4874.160	33.54	3.72	37.26	54.00	-16.74	AVG
2		4874.330	39.57	3.72	43.29	74.00	-30.71	peak

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 dB	Over Detector	Comment
1	X	2436.100	61.76	31.94	93.70	74.00	19.70	peak no limit
2	*	2436.200	59.84	31.94	91.78	54.00	37.78	AVG no limit

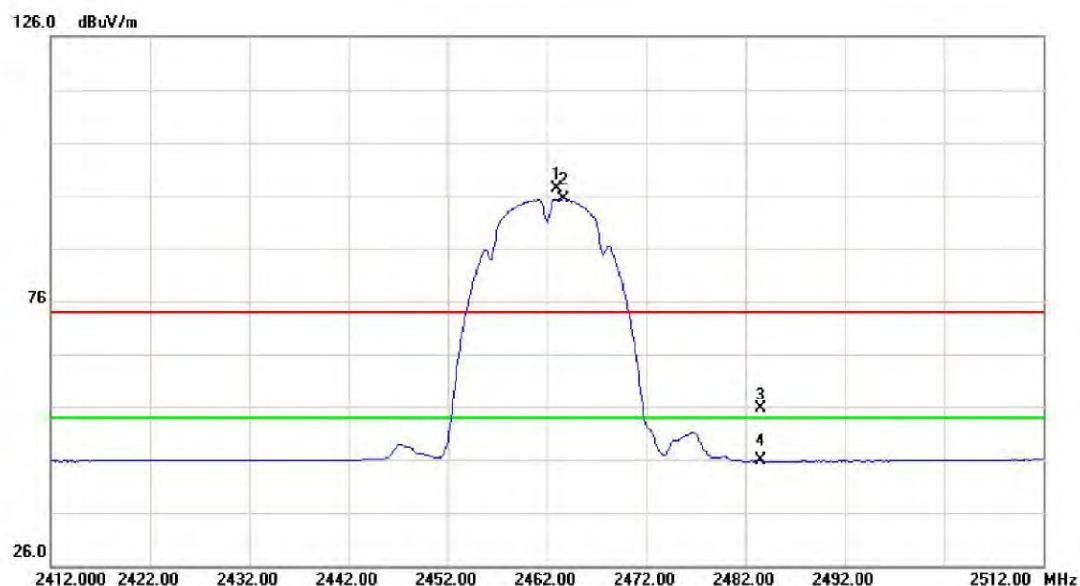
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4874.000	40.30	3.72	44.02	74.00	-29.98	peak
2	*	4874.100	30.56	3.72	34.28	54.00	-19.72	AVG

Orthogonal Axis : X

Test Mode : TX B MODE 2462MHz

Vertical

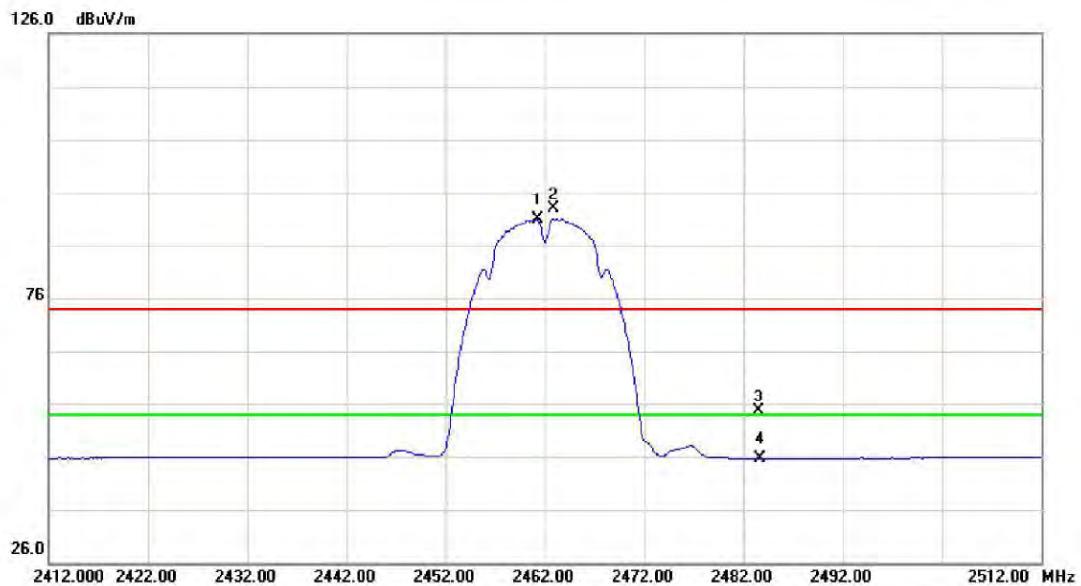
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	X	2463.000	65.29	31.98	97.27	74.00	23.27	peak	no limit
2	*	2463.700	63.35	31.98	95.33	54.00	41.33	AVG	no limit
3		2483.500	23.65	32.01	55.66	74.00	-18.34	peak	
4		2483.500	13.81	32.01	45.82	54.00	-8.18	AVG	

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

Vertical

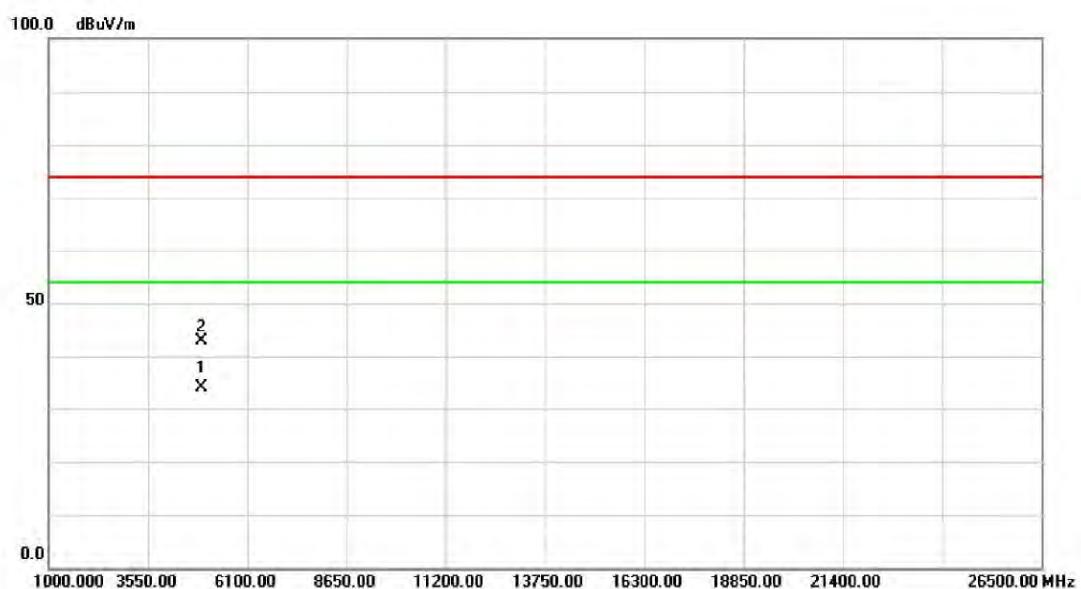
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1	*	4924.000	33.95	3.80	37.75	54.00	-16.25	AVG
2		4924.510	39.08	3.80	42.88	74.00	-31.12	peak

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	Detector	Over	Comment
1	*	2461.200	58.86	31.98	90.84	54.00	36.84	AVG	no limit
2	X	2462.900	60.79	31.98	92.77	74.00	18.77	peak	no limit
3		2483.500	22.67	32.01	54.68	74.00	-19.32	peak	
4		2483.500	13.63	32.01	45.64	54.00	-8.36	AVG	

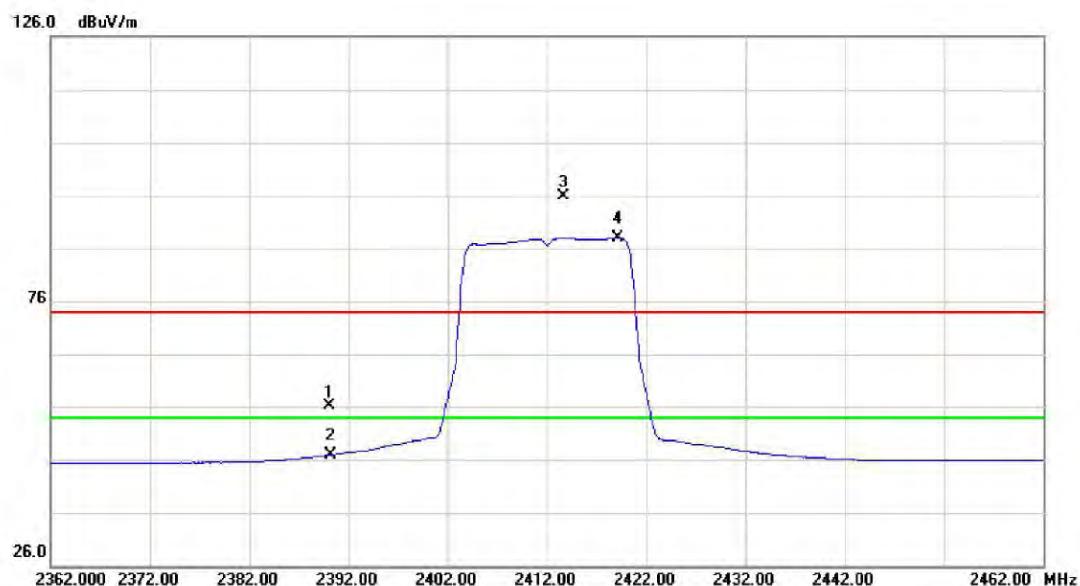
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	*	4924.140	30.28	3.80	34.08	54.00	-19.92	AVG
2		4924.290	39.09	3.80	42.89	74.00	-31.11	peak

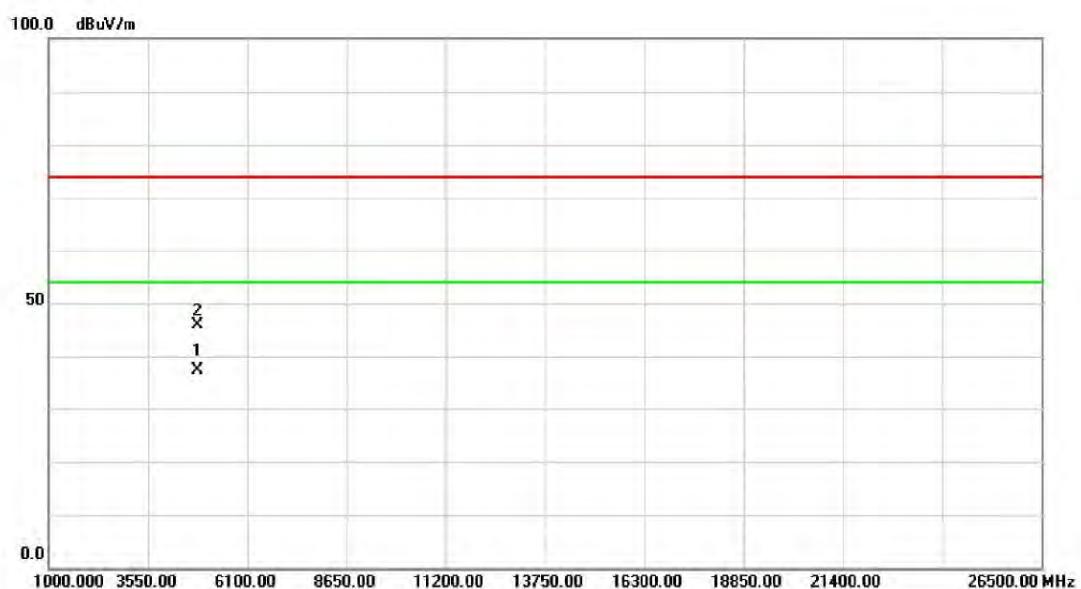
Orthogonal Axis : X

Test Mode : TX G MODE 2412MHz

Vertical

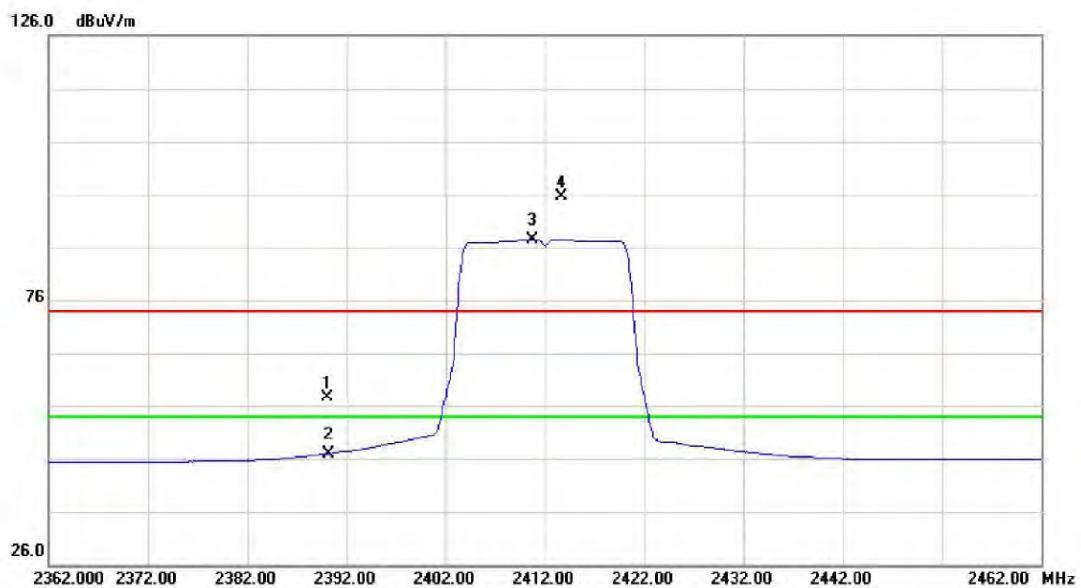
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detector	Comment
			dBuV	dB	dBuV/m	dB			
1		2390.000	24.24	31.88	56.12	74.00	-17.88	peak	
2		2390.000	14.98	31.88	46.86	54.00	-7.14	AVG	
3	X	2413.700	64.07	31.91	95.98	74.00	21.98	peak	no limit
4	*	2419.100	55.95	31.92	87.87	54.00	33.87	AVG	no limit

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

Vertical

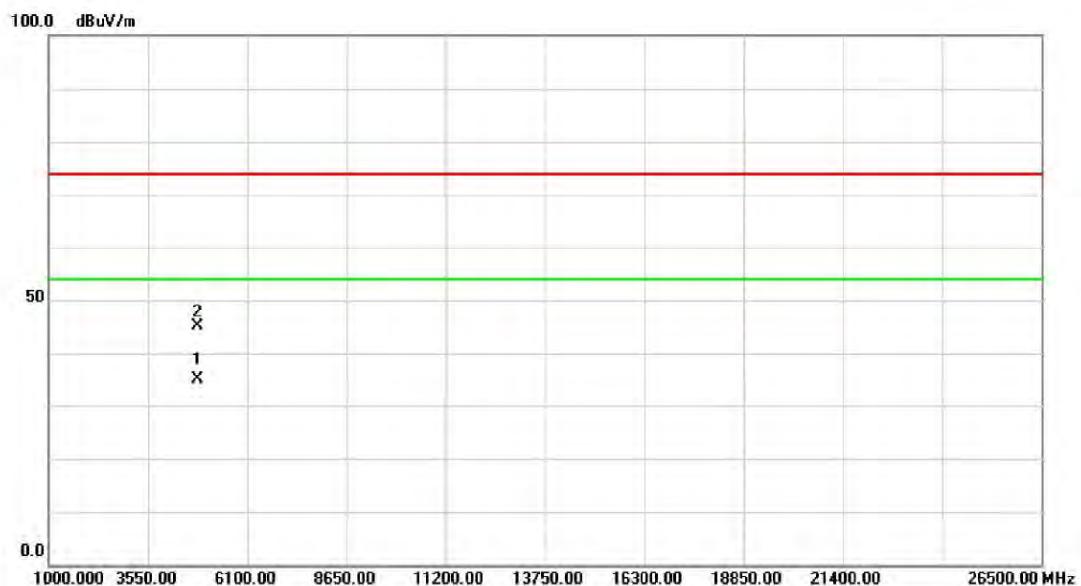
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	*	4824.520	33.64	3.62	37.26	54.00	-16.74	AVG
2		4824.560	42.25	3.62	45.87	74.00	-28.13	peak

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 dB	Over Detector	Comment
1		2390.000	25.67	31.88	57.55	74.00	-16.45	peak
2		2390.000	15.03	31.88	46.91	54.00	-7.09	AVG
3	*	2410.700	55.56	31.91	87.47	54.00	33.47	AVG no limit
4	X	2413.700	63.70	31.91	95.61	74.00	21.61	peak no limit

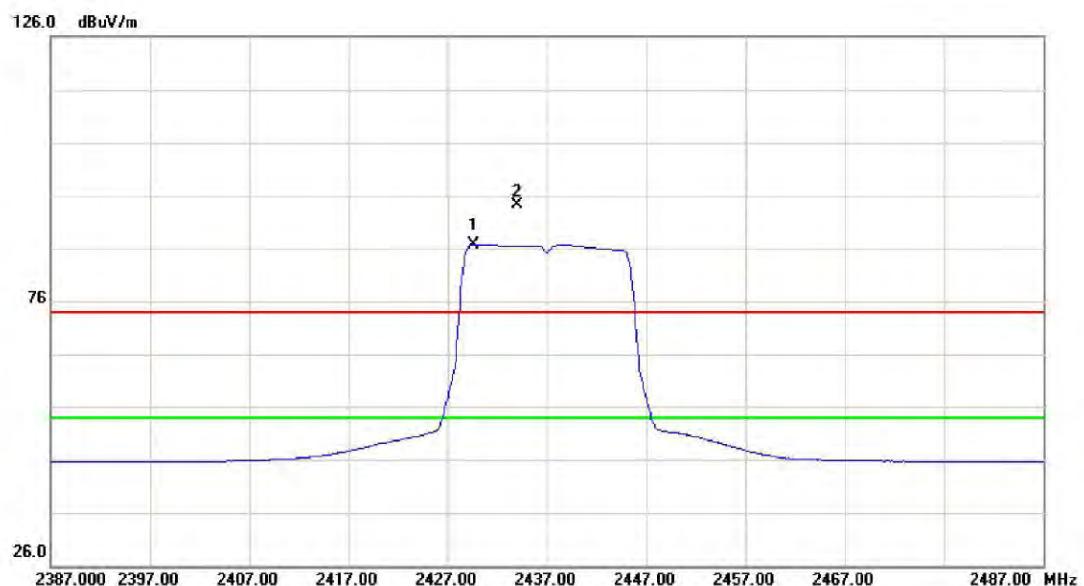
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	*	4823.610	31.40	3.62	35.02	54.00	-18.98	AVG
2		4823.660	41.41	3.62	45.03	74.00	-28.97	peak

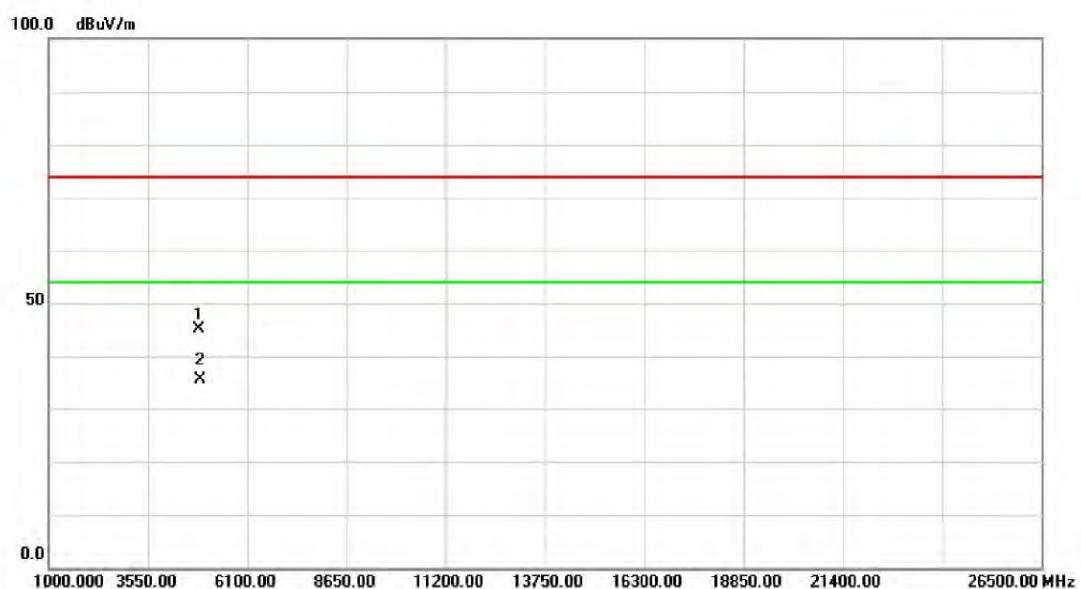
Orthogonal Axis : X

Test Mode : TX G MODE 2437MHz

Vertical

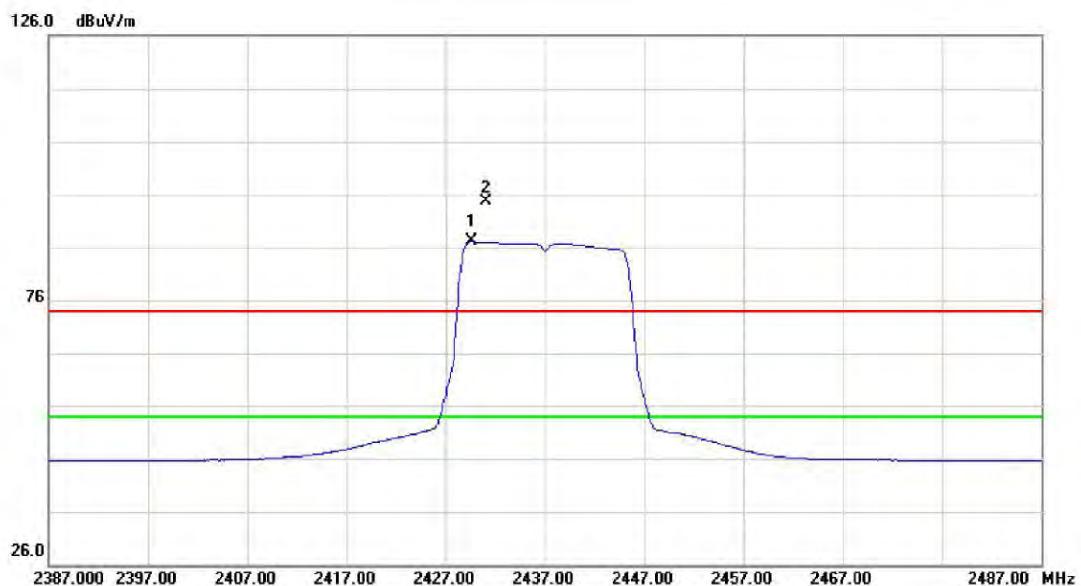
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	*	2429.600	54.79	31.93	86.72	54.00	32.72	AVG	no limit
2	X	2434.000	62.12	31.94	94.06	74.00	20.06	peak	no limit

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 dB	Over Detector	Comment
1		4874.560	41.36	3.72	45.08	74.00	-28.92	peak
2	*	4874.560	31.97	3.72	35.69	54.00	-18.31	AVG

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

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	*	2429.600	55.12	31.93	87.05	54.00	33.05	AVG no limit
2	X	2431.000	62.70	31.93	94.63	74.00	20.63	peak no limit

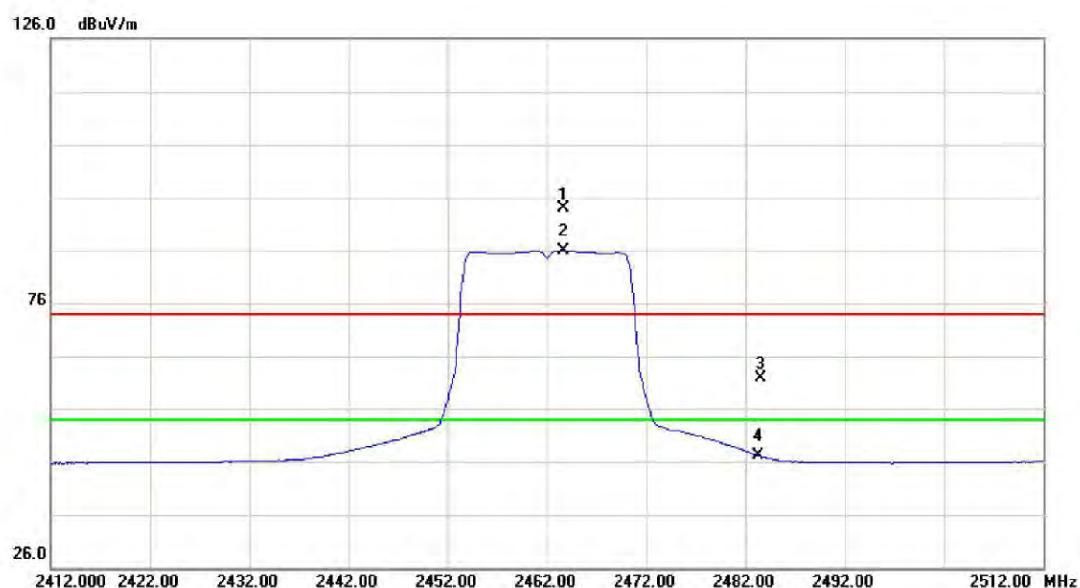
Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4873.910	40.37	3.72	44.09	74.00	-29.91	peak
2	*	4873.960	30.56	3.72	34.28	54.00	-19.72	AVG

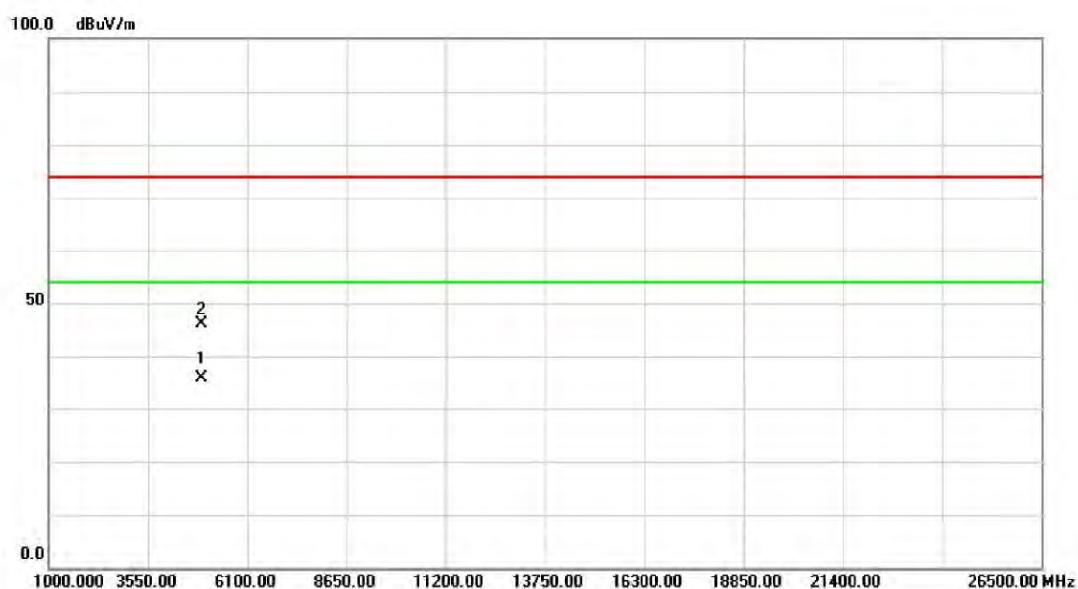
Orthogonal Axis : X

Test Mode : TX G MODE 2462MHz

Vertical

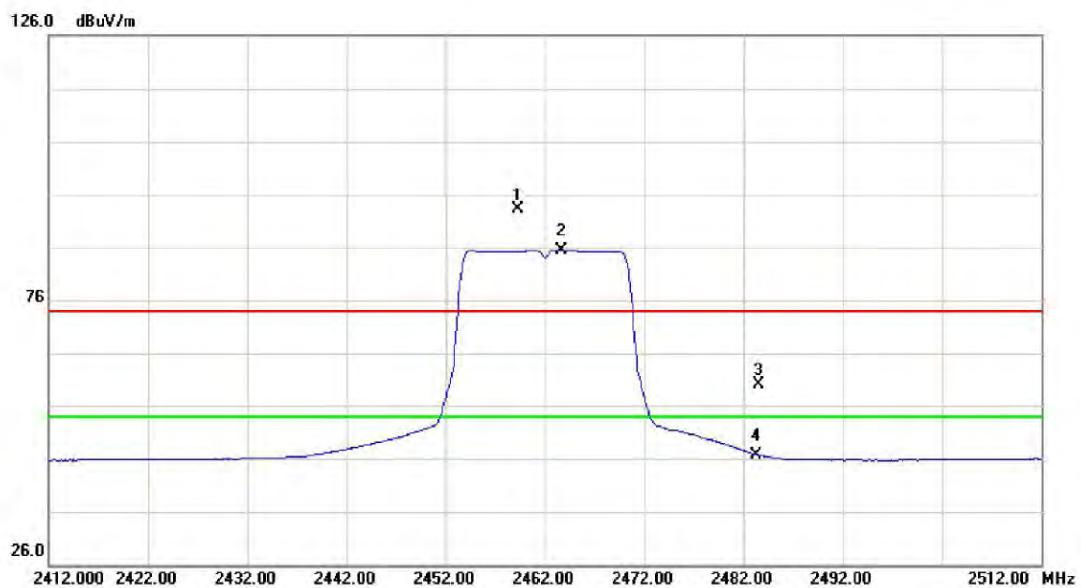
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	X	2463.700	61.98	31.98	93.96	74.00	19.96	peak	no limit
2	*	2463.700	53.96	31.98	85.94	54.00	31.94	AVG	no limit
3		2483.500	29.77	32.01	61.78	74.00	-12.22	peak	
4		2483.500	15.01	32.01	47.02	54.00	-6.98	AVG	

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

Vertical

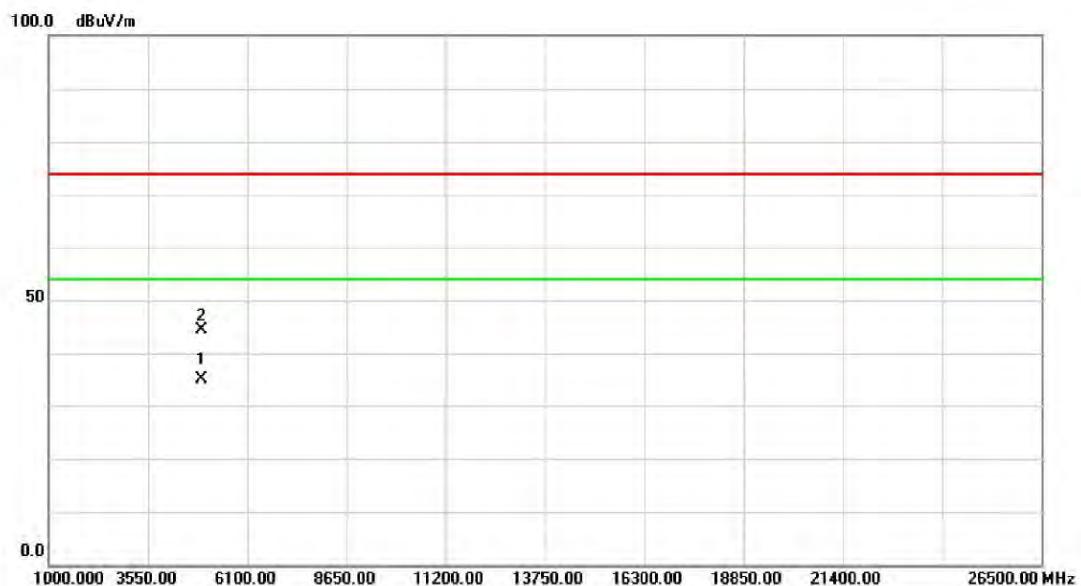
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	*	4924.060	32.19	3.80	35.99	54.00	-18.01	AVG
2		4924.130	42.42	3.80	46.22	74.00	-27.78	peak

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

Horizontal

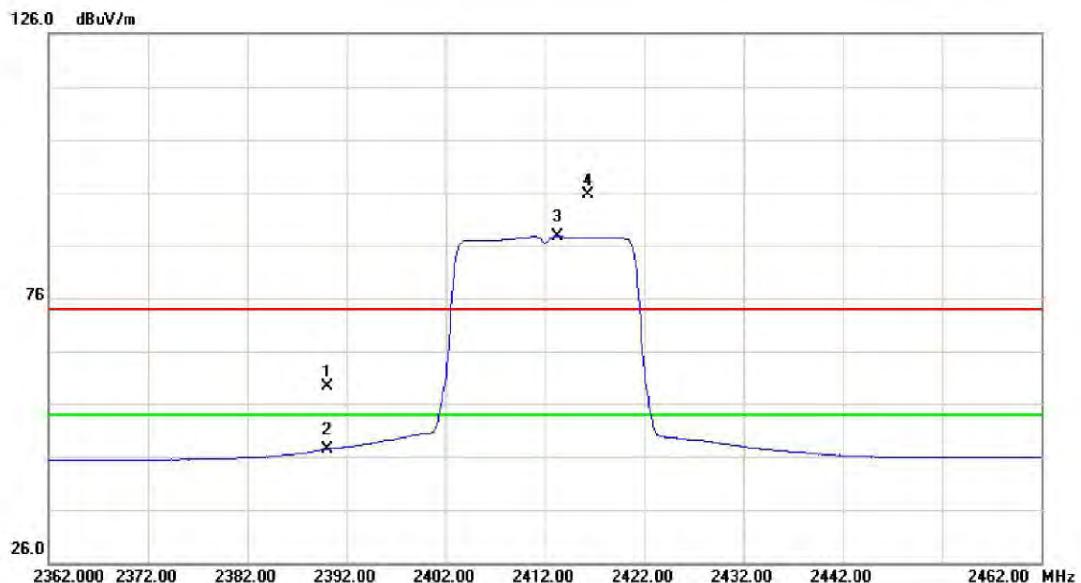
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	X	2459.200	61.03	31.98	93.01	74.00	19.01	peak no limit
2	*	2463.700	53.48	31.98	85.46	54.00	31.46	AVG no limit
3		2483.500	28.07	32.01	60.08	74.00	-13.92	peak
4		2483.500	14.67	32.01	46.68	54.00	-7.32	AVG

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

Horizontal

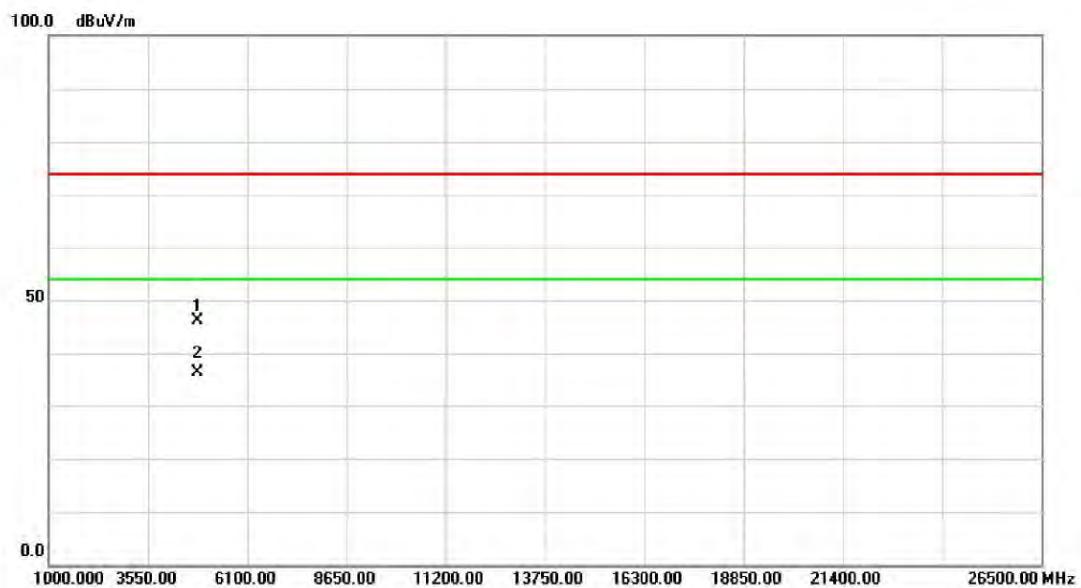
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	*	4924.200	31.37	3.80	35.17	54.00	-18.83	AVG
2		4924.210	40.54	3.80	44.34	74.00	-29.66	peak

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

Vertical

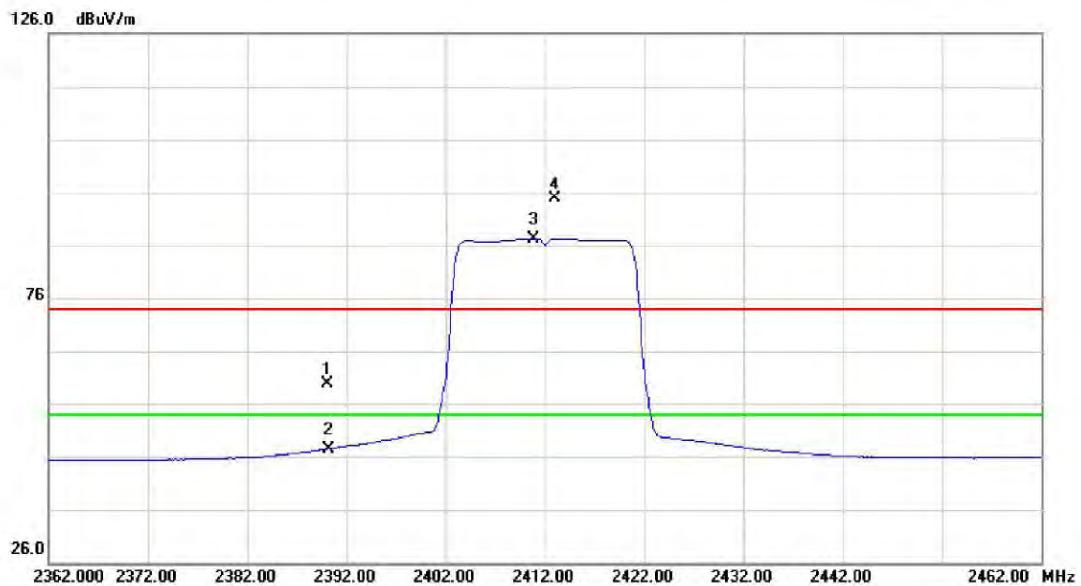
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detector	Comment
			dBuV	dB	dBuV/m	dB			
1		2390.000	27.38	31.88	59.26	74.00	-14.74	peak	
2		2390.000	15.50	31.88	47.38	54.00	-6.62	AVG	
3	*	2413.200	55.63	31.91	87.54	54.00	33.54	AVG	no limit
4	X	2416.300	63.68	31.91	95.59	74.00	21.59	peak	no limit

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

Vertical

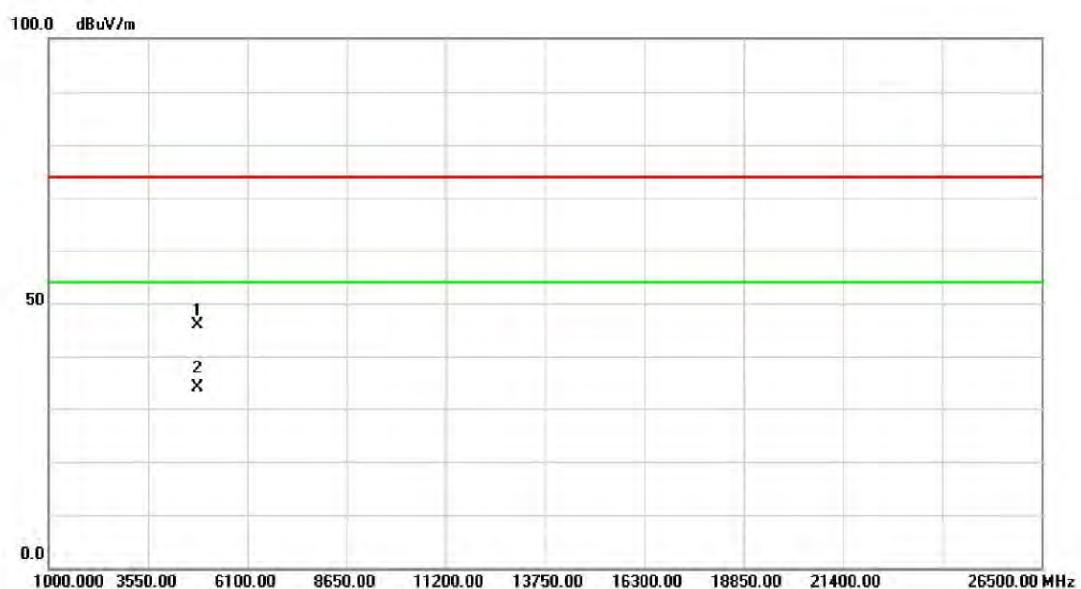
No.	Mk.	Freq. MHz	Reading Level dB _B uV	Correct Factor dB	Measure- ment dB _B uV/m	Limit dB	Over Detector	Comment
1		4824.060	42.55	3.62	46.17	74.00	-27.83	peak
2	*	4824.120	32.66	3.62	36.28	54.00	-17.72	AVG

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

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	28.03	31.88	59.91	74.00	-14.09	peak
2		2390.000	15.59	31.88	47.47	54.00	-6.53	AVG
3	*	2410.800	55.33	31.91	87.24	54.00	33.24	AVG no limit
4	X	2413.000	63.07	31.91	94.98	74.00	20.98	peak no limit

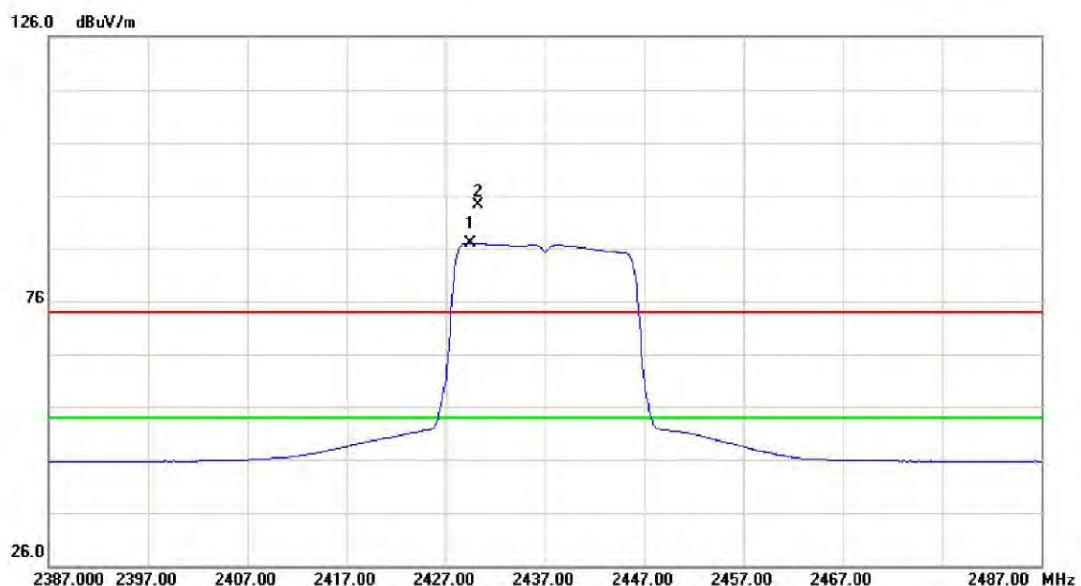
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4824.310	42.25	3.62	45.87	74.00	-28.13	peak
2	*	4824.360	30.47	3.62	34.09	54.00	-19.91	AVG

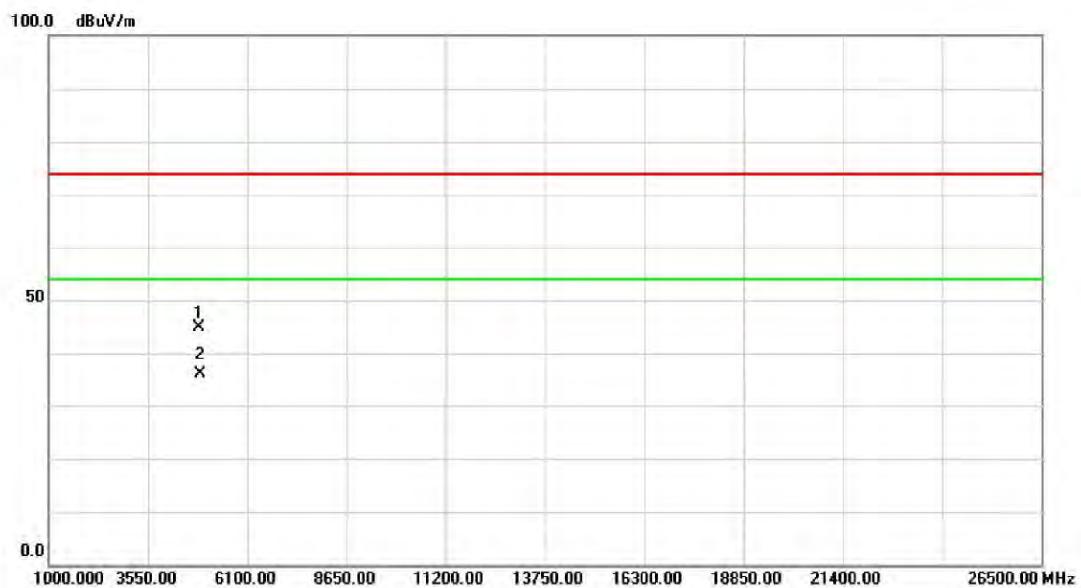
Orthogonal Axis : X

Test Mode : TX N-20M MODE 2437MHz

Vertical

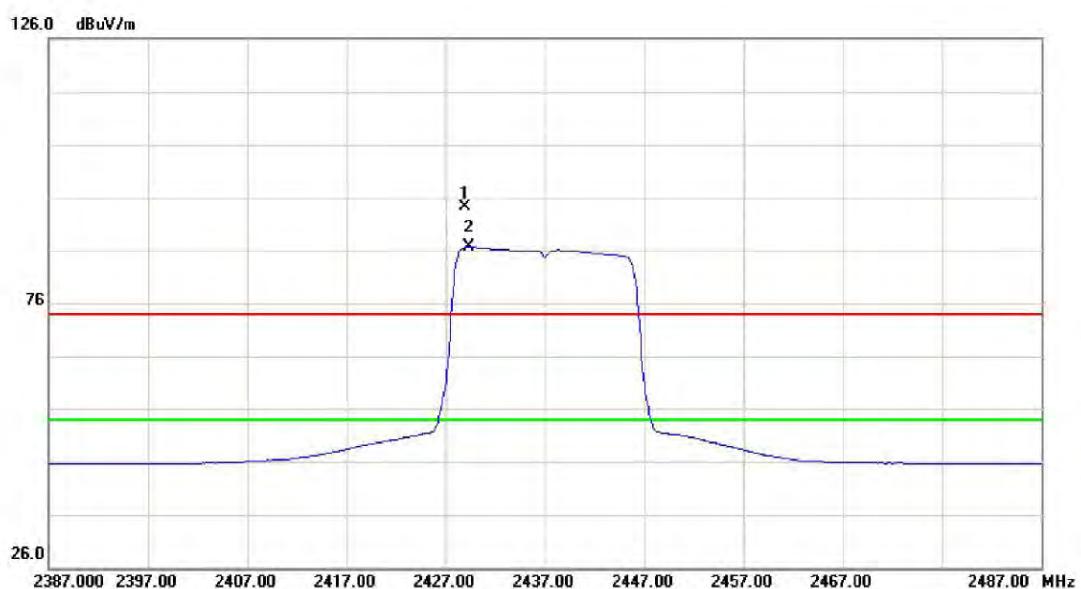
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	*	2429.400	55.04	31.93	86.97	54.00	32.97	AVG	no limit
2	X	2430.300	62.29	31.93	94.22	74.00	20.22	peak	no limit

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

Vertical

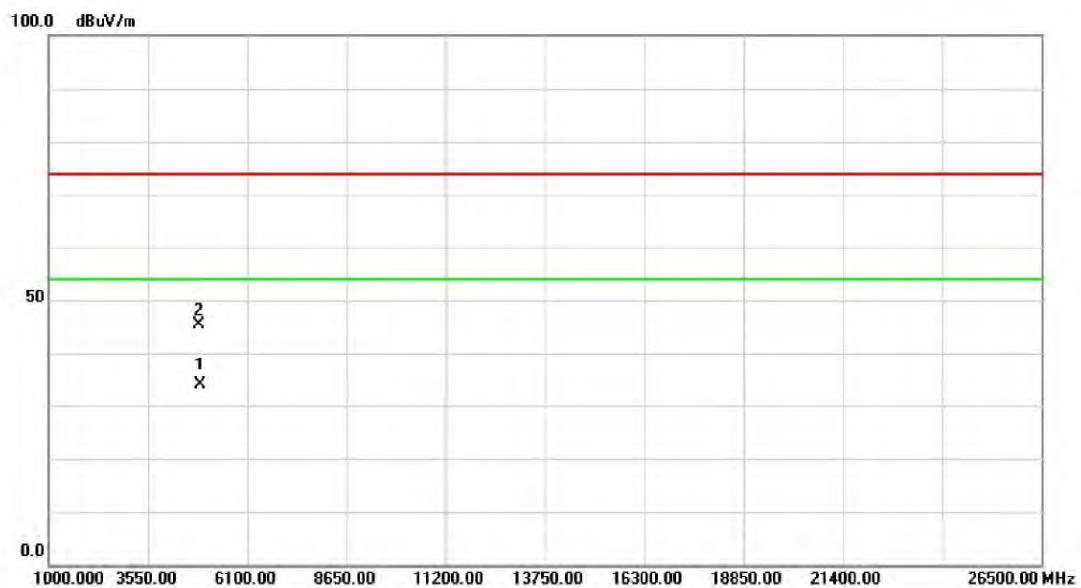
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4874.210	41.17	3.72	44.89	74.00	-29.11	peak
2	*	4874.290	32.49	3.72	36.21	54.00	-17.79	AVG

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

Horizontal

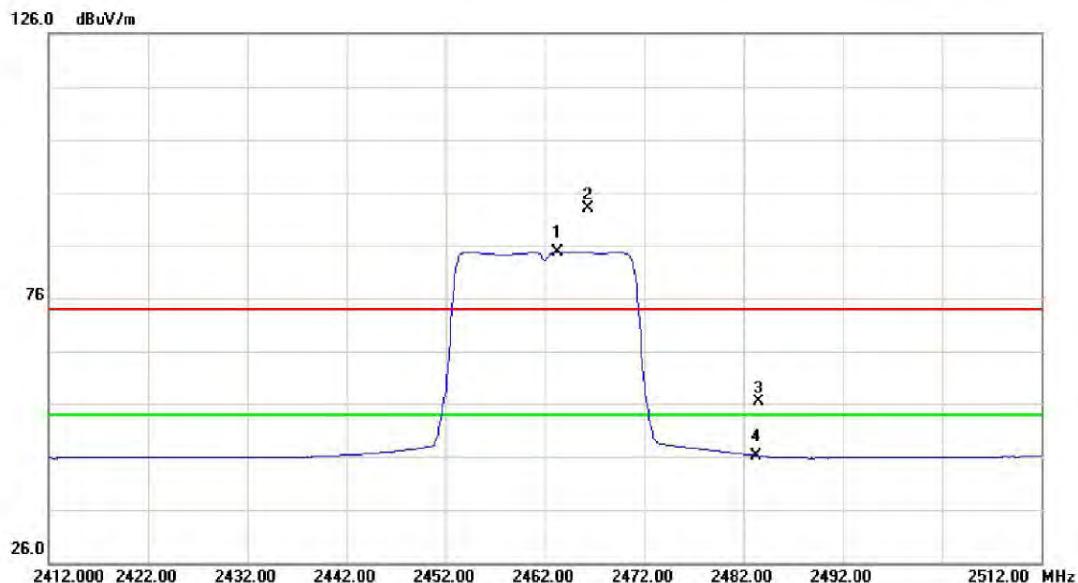
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	X	2428.900	62.31	31.93	94.24	74.00	20.24	peak no limit
2	*	2429.300	54.63	31.93	86.56	54.00	32.56	AVG no limit

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

Horizontal

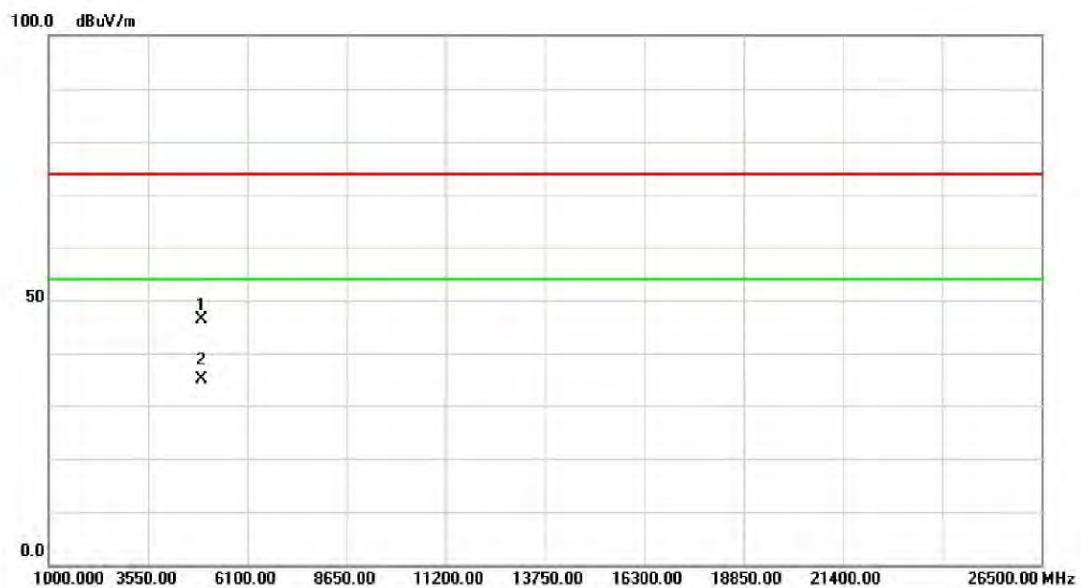
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1	*	4874.500	30.37	3.72	34.09	54.00	-19.91	AVG
2		4874.550	41.66	3.72	45.38	74.00	-28.62	peak

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

Vertical

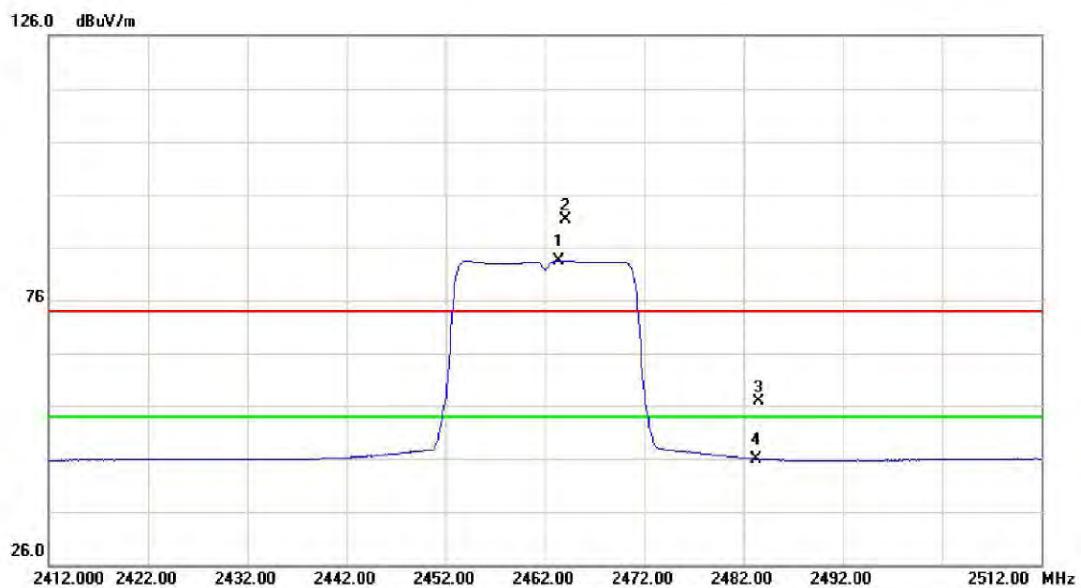
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2463.300	52.77	31.98	84.75	54.00	30.75	AVG	no limit
2	X	2466.300	60.86	31.98	92.84	74.00	18.84	peak	no limit
3		2483.500	24.49	32.01	56.50	74.00	-17.50	peak	
4		2483.500	14.13	32.01	46.14	54.00	-7.86	AVG	

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

Vertical

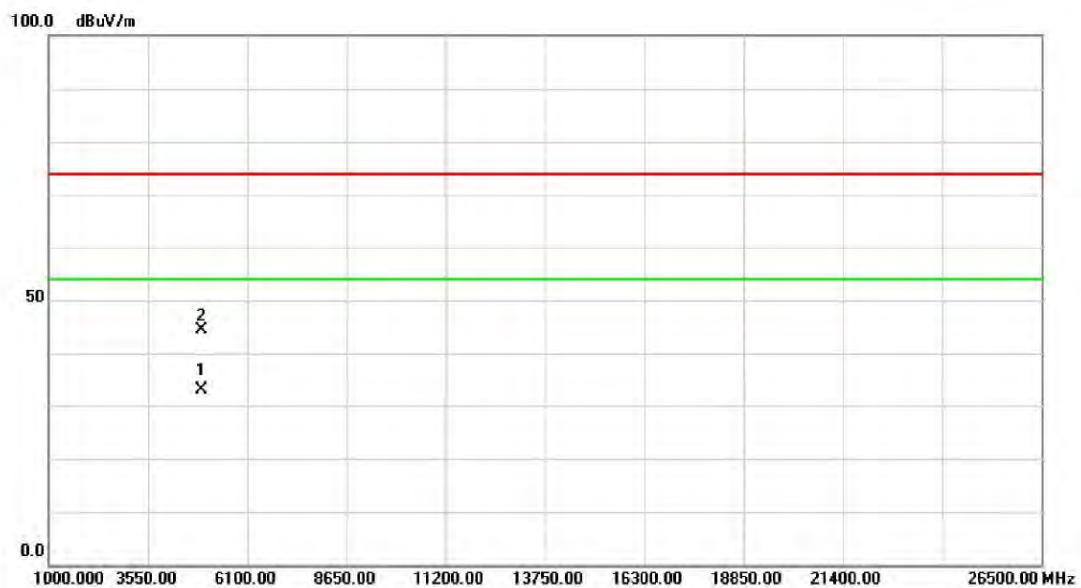
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dB _B uV	dB	dB _B uV/m	dB	Detector	Comment
1		4924.100	42.51	3.80	46.31	74.00	-27.69	peak
2	*	4924.180	31.39	3.80	35.19	54.00	-18.81	AVG

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

Horizontal

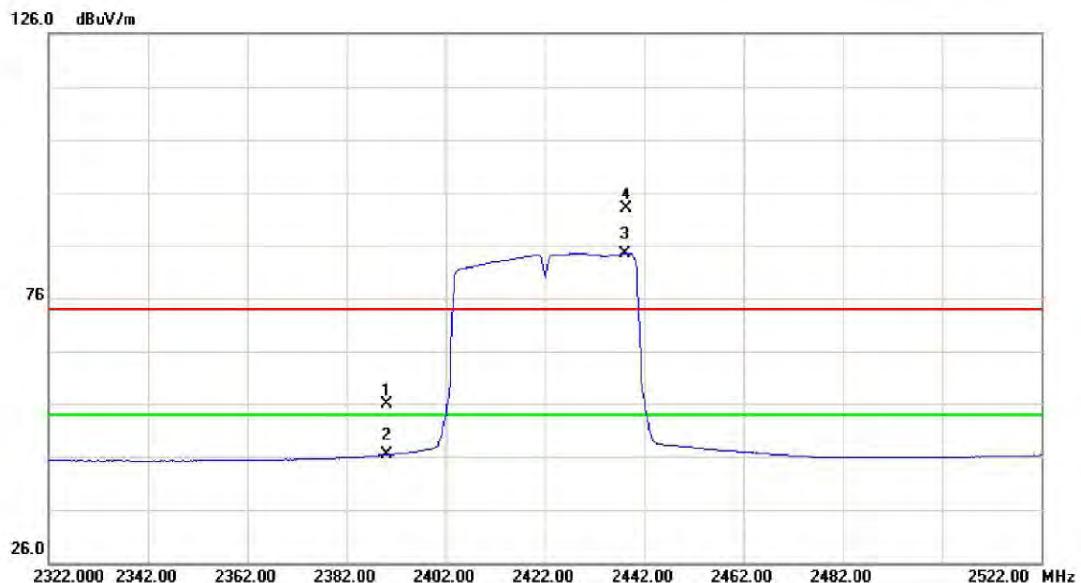
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Detector	Over	Comment
1	*	2463.400	51.36	31.98	83.34	54.00	29.34	AVG	no limit
2	X	2464.100	59.05	31.98	91.03	74.00	17.03	peak	no limit
3		2483.500	24.93	32.01	56.94	74.00	-17.06	peak	
4		2483.500	13.93	32.01	45.94	54.00	-8.06	AVG	

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

Horizontal

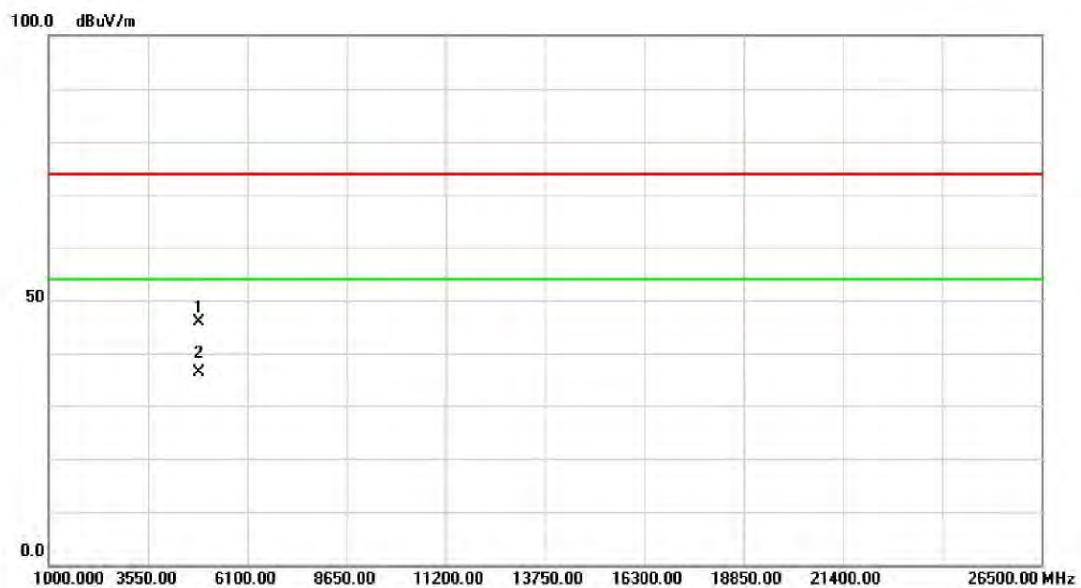
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	4923.830	29.28	3.80	33.08	54.00	-20.92	AVG
2		4923.960	40.49	3.80	44.29	74.00	-29.71	peak

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

Vertical

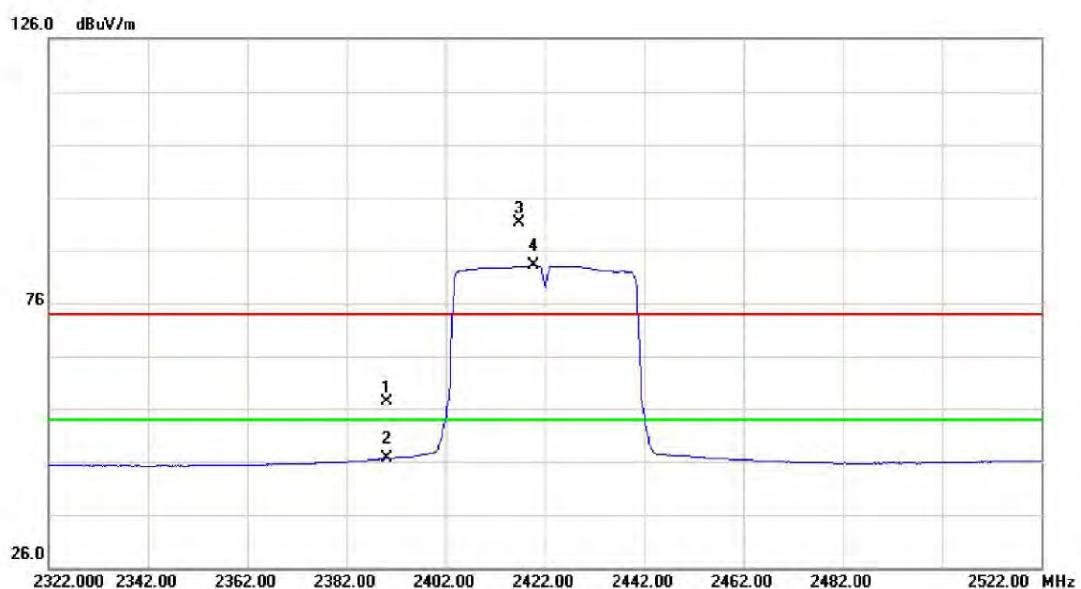
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	23.91	31.88	55.79	74.00	-18.21	peak	
2		2390.000	14.57	31.88	46.45	54.00	-7.55	AVG	
3	*	2438.200	52.40	31.94	84.34	54.00	30.34	AVG	no limit
4	X	2438.400	60.93	31.94	92.87	74.00	18.87	peak	no limit

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

Vertical

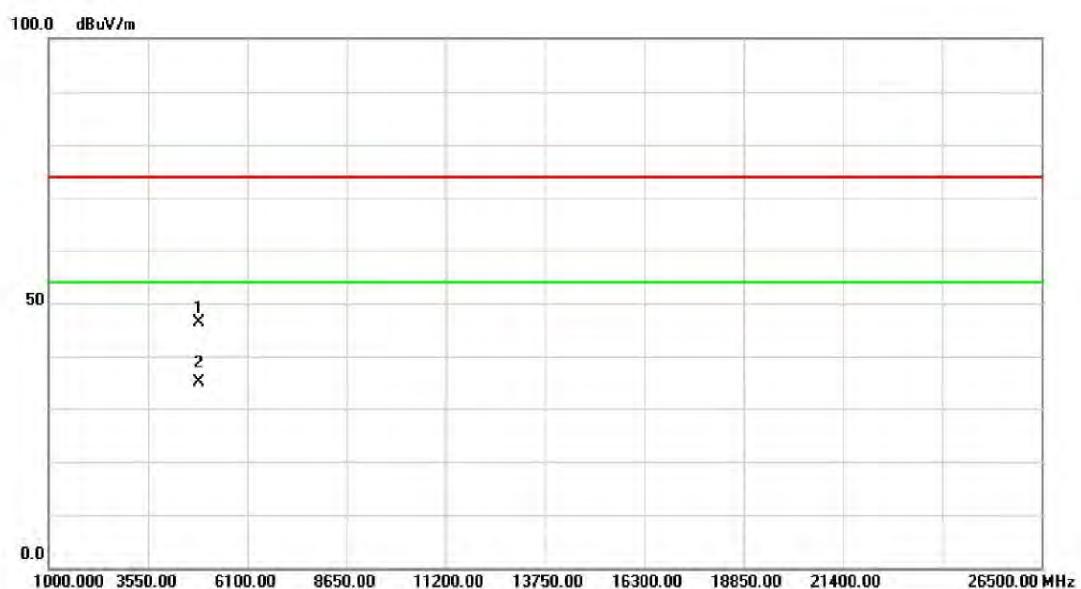
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4844.160	42.11	3.66	45.77	74.00	-28.23	peak
2	*	4844.230	32.63	3.66	36.29	54.00	-17.71	AVG

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 dB	Detector	Over	Comment
1		2390.000	25.61	31.88	57.49	74.00	-16.51	peak	
2		2390.000	14.73	31.88	46.61	54.00	-7.39	AVG	
3	X	2416.800	59.30	31.91	91.21	74.00	17.21	peak	no limit
4	*	2419.800	51.12	31.92	83.04	54.00	29.04	AVG	no limit

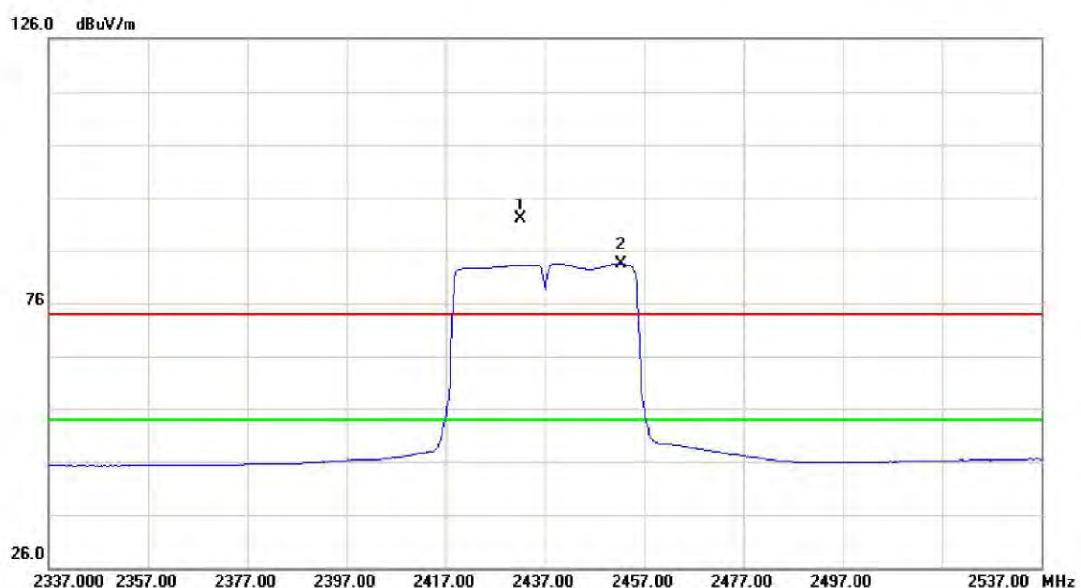
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Over Detector	Comment
1		4844.100	42.62	3.66	46.28	74.00	-27.72	peak
2	*	4844.100	31.37	3.66	35.03	54.00	-18.97	AVG

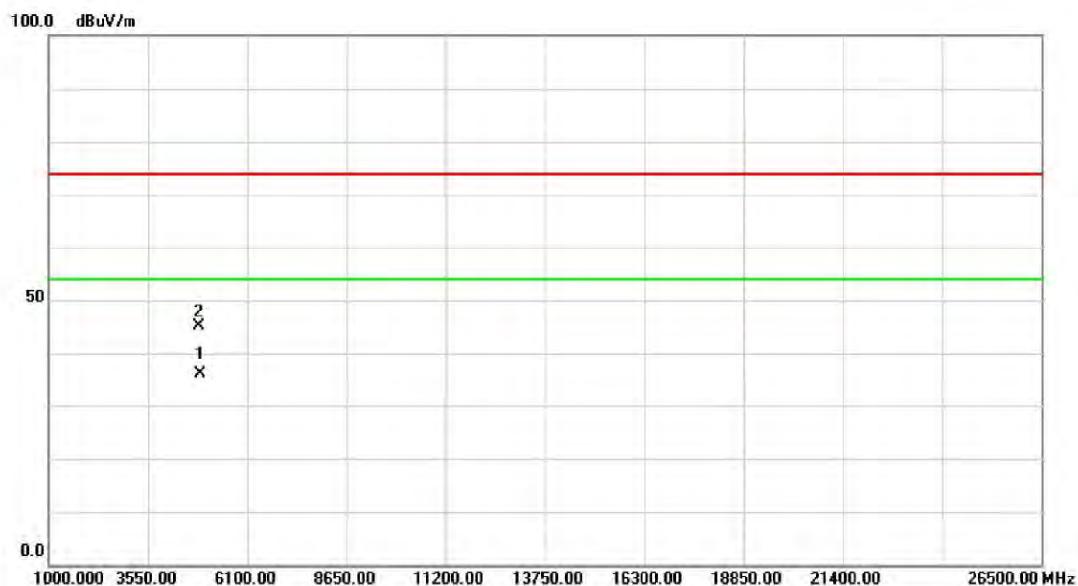
Orthogonal Axis : X

Test Mode : TX N-40M MODE 2437MHz

Vertical

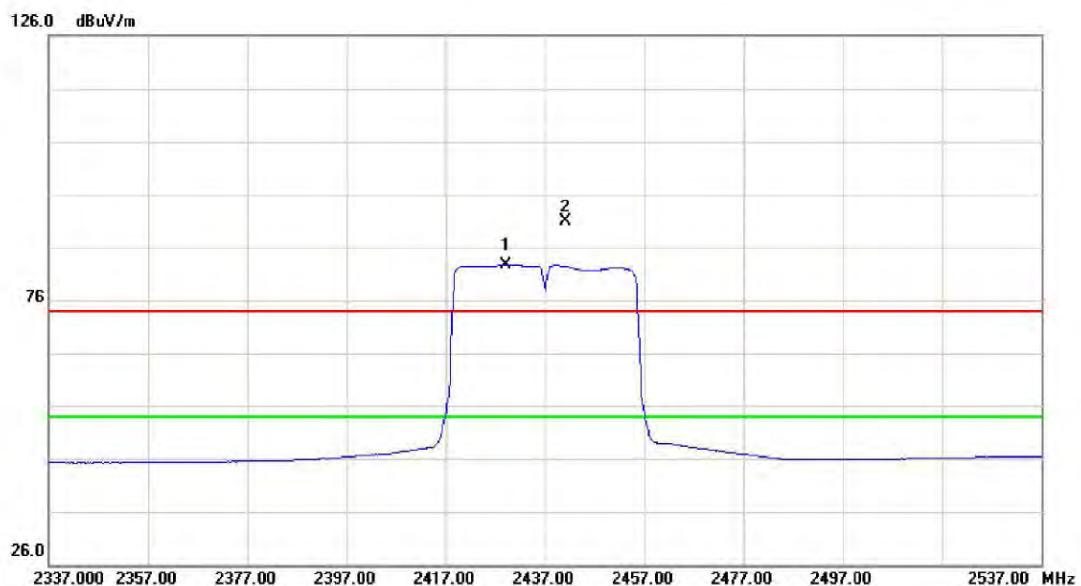
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	X	2432.000	59.96	31.94	91.90	74.00	17.90	peak	no limit
2	*	2452.200	51.42	31.96	83.38	54.00	29.38	AVG	no limit

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	Detector	Over	Comment
1	*	4874.980	32.47	3.72	36.19	54.00	-17.81	AVG	
2		4875.020	41.37	3.72	45.09	74.00	-28.91	peak	

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

Horizontal

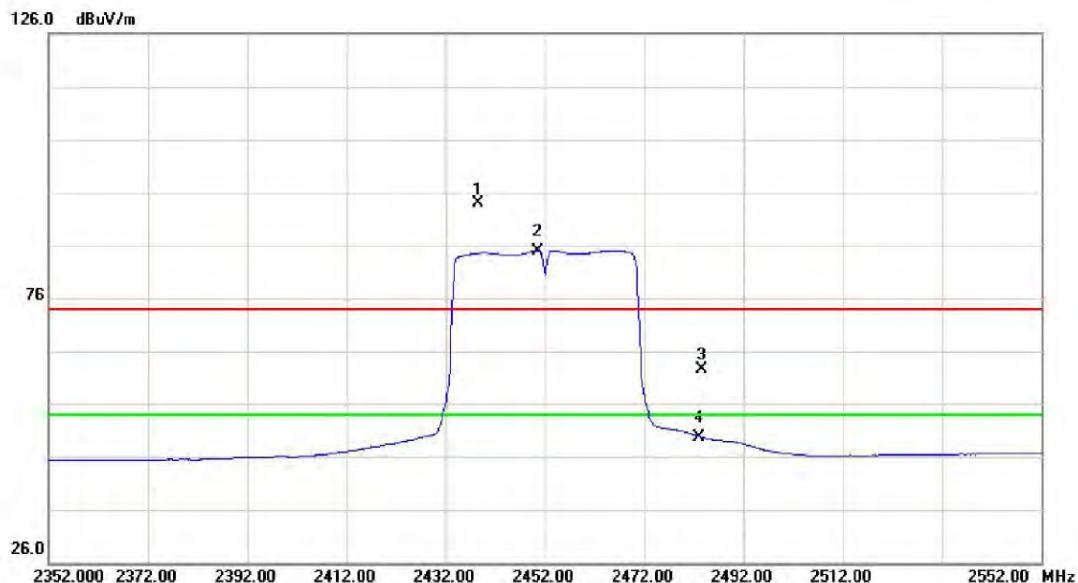
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Detector	Over	Comment
1	*	2429.200	50.71	31.93	82.64	54.00	28.64	AVG	no limit
2	X	2441.000	58.86	31.95	90.81	74.00	16.81	peak	no limit

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

Horizontal

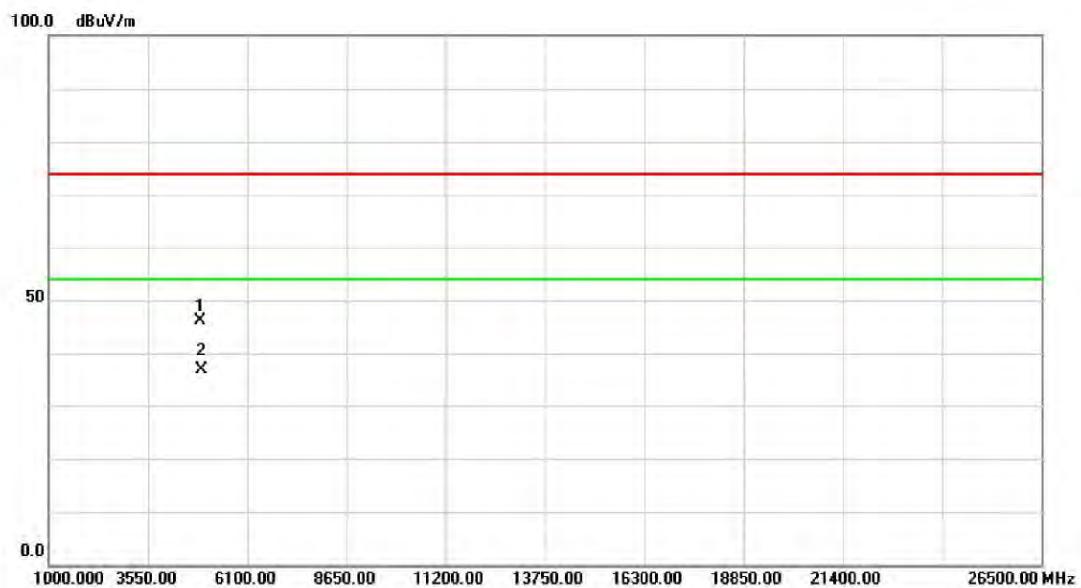
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dB _B uV	dB	dB _B uV/m	dB	Detector	Comment
1	*	4874.140	29.82	3.72	33.54	54.00	-20.46	AVG
2		4874.190	42.26	3.72	45.98	74.00	-28.02	peak

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

Vertical

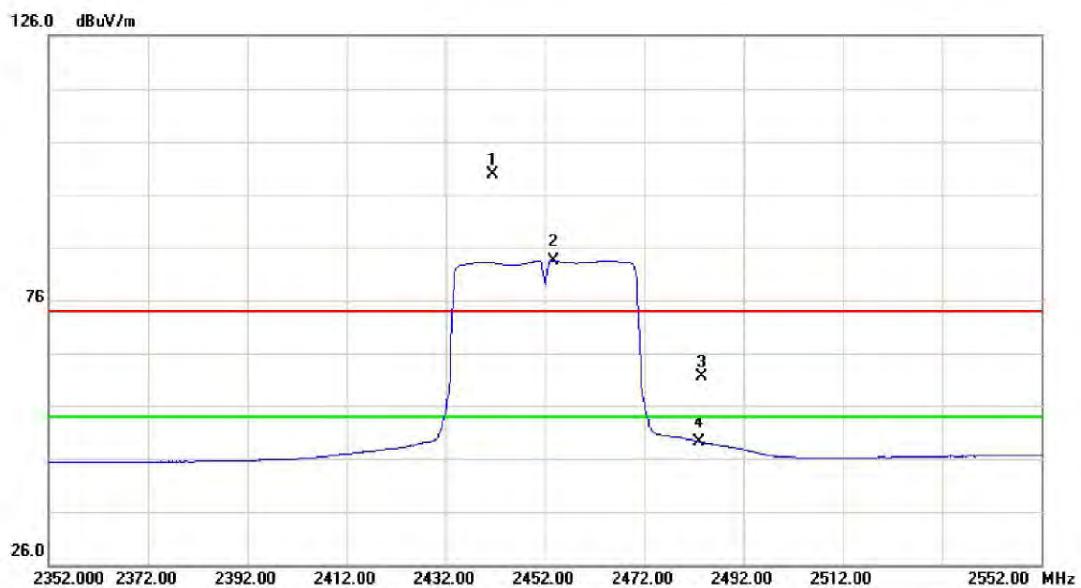
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2438.600	61.93	31.94	93.87	74.00	19.87	peak	no limit
2	*	2450.600	53.02	31.96	84.98	54.00	30.98	AVG	no limit
3		2483.500	30.56	32.01	62.57	74.00	-11.43	peak	
4		2483.500	17.66	32.01	49.67	54.00	-4.33	AVG	

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

Vertical

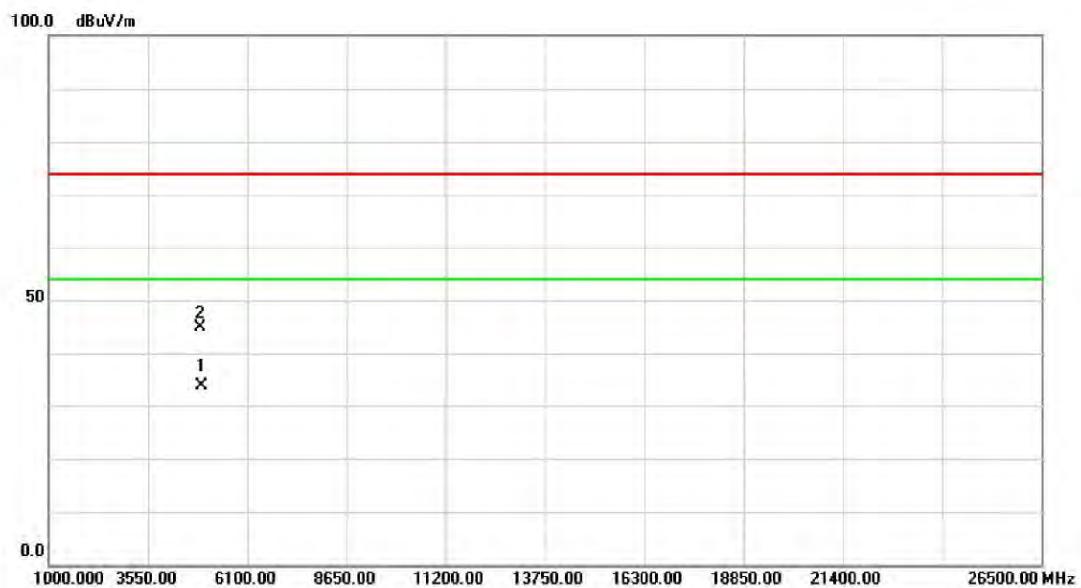
No.	Mk.	Freq. MHz	Reading Level dB _B uV	Correct Factor dB	Measure- ment dB _B uV/m	Limit dB	Over Detector	Comment
1		4904.100	42.41	3.77	46.18	74.00	-27.82	peak
2	*	4904.120	33.20	3.77	36.97	54.00	-17.03	AVG

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

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment Limit dBuV/m	Over dB	Detector	Comment
1	X	2441.400	68.01	31.95	99.96	74.00	25.96	peak no limit
2	*	2453.600	51.43	31.96	83.39	54.00	29.39	AVG no limit
3		2483.500	29.59	32.01	61.60	74.00	-12.40	peak
4		2483.500	17.08	32.01	49.09	54.00	-4.91	AVG

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

Horizontal

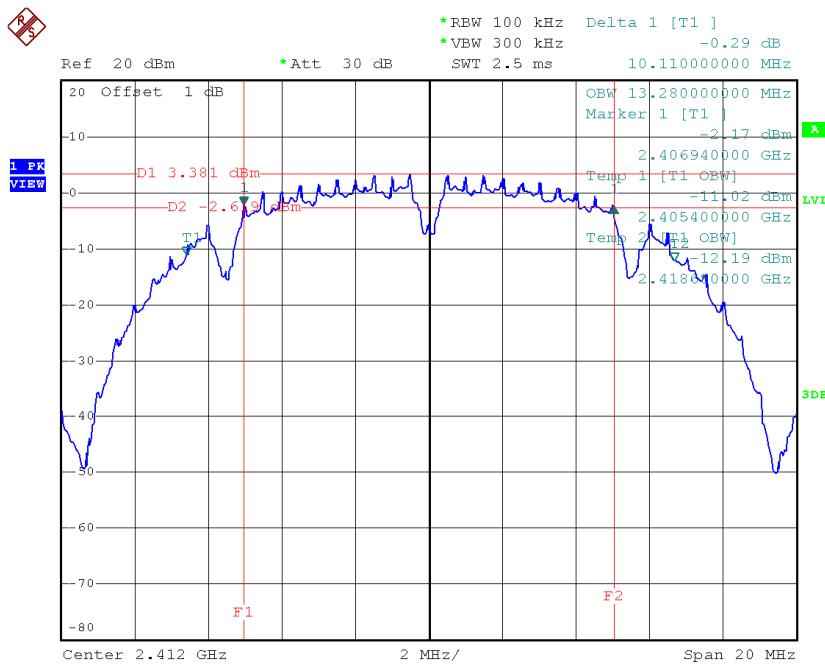
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	4904.760	30.14	3.77	33.91	54.00	-20.09	AVG
2		4904.870	41.12	3.77	44.89	74.00	-29.11	peak

ATTACHMENT E - BANDWIDTH

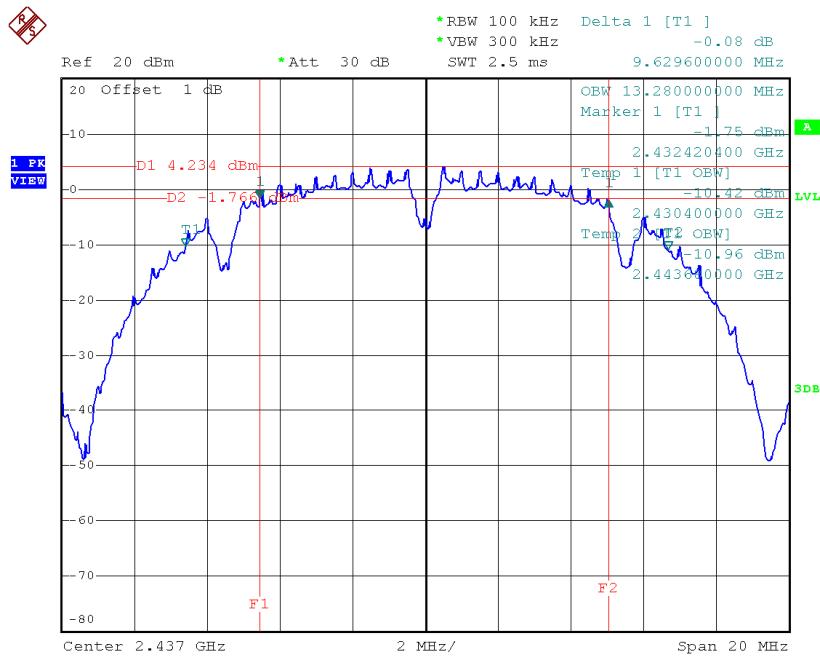
Test Mode : TX B Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.11	13.28	500	Complies
2437	9.63	13.28	500	Complies
2462	10.12	13.24	500	Complies

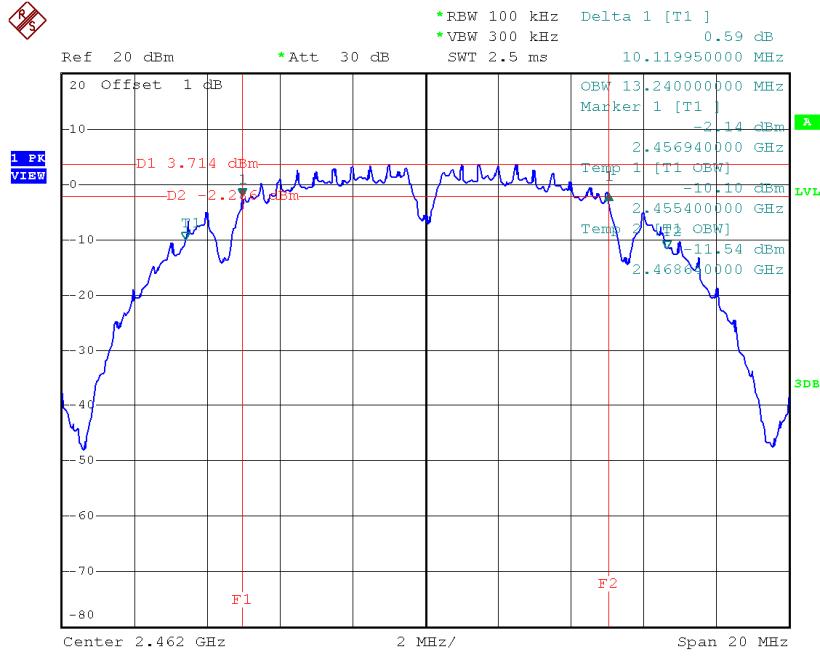
TX CH01



Date: 16.OCT.2014 06:51:40

TX CH06

Date: 16.OCT.2014 06:53:14

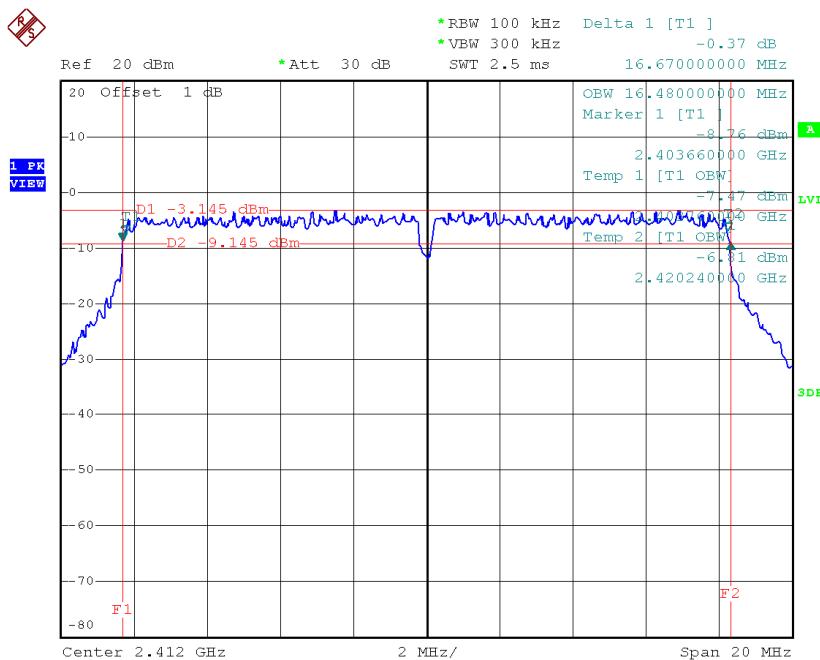
TX CH11

Date: 16.OCT.2014 06:54:49

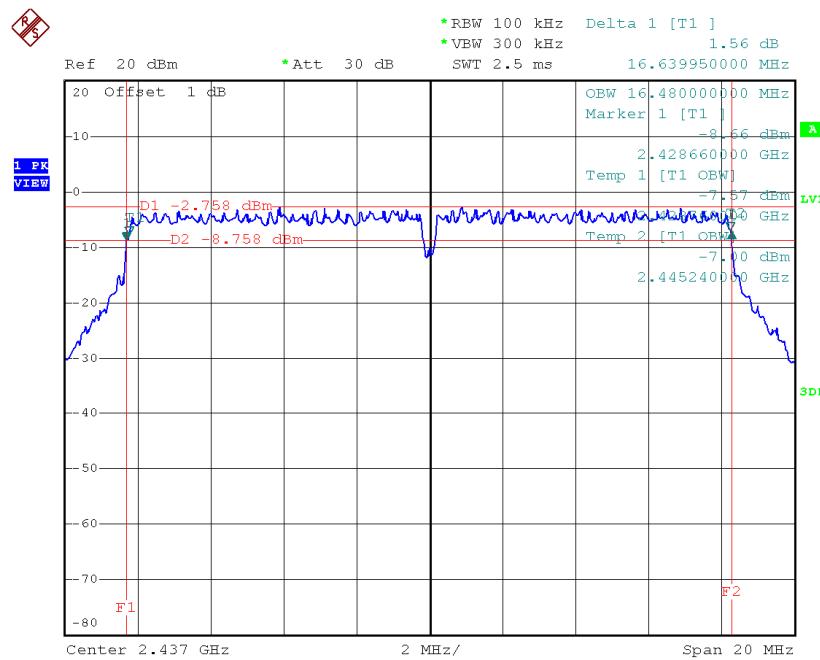
Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.67	16.48	500	Complies
2437	16.64	16.48	500	Complies
2462	16.64	16.48	500	Complies

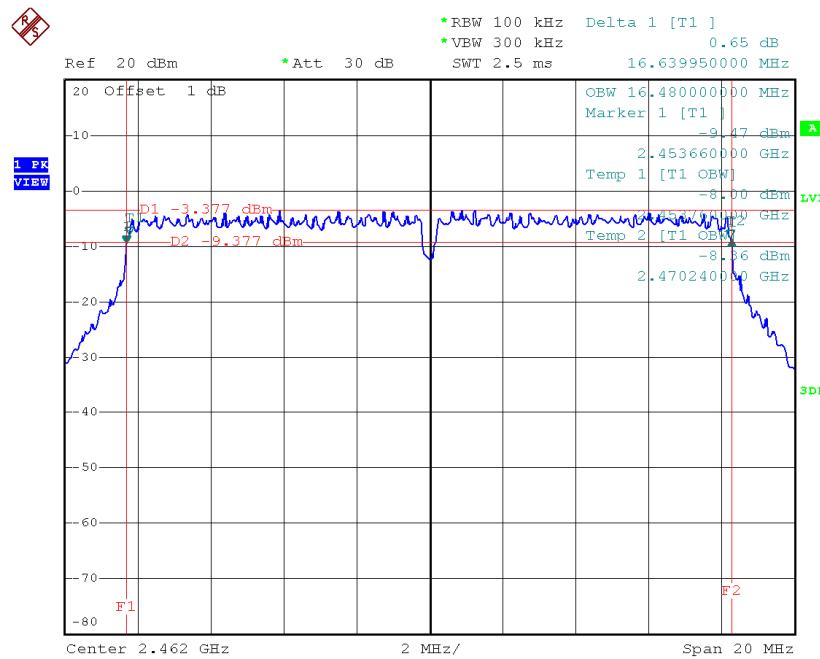
TX CH01



Date: 16.OCT.2014 06:55:53

TX CH06

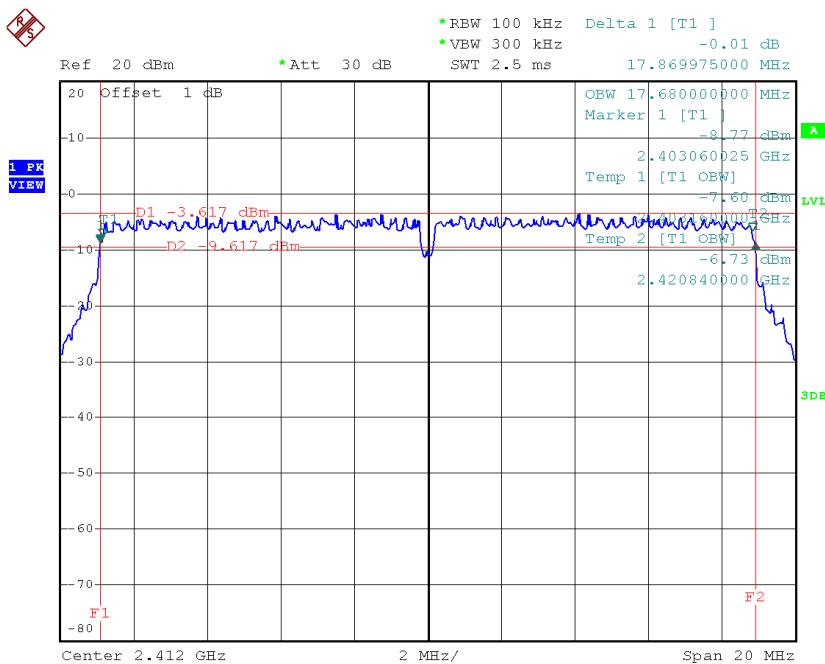
Date: 16.OCT.2014 06:56:55

TX CH11

Date: 16.OCT.2014 06:58:57

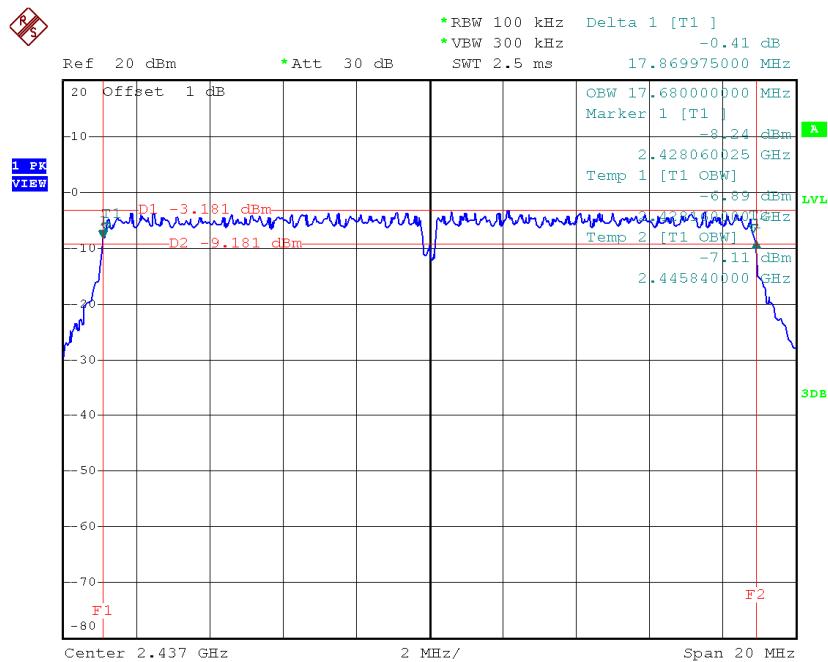
Test Mode : TX N-20MHz Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.87	17.68	500	Complies
2437	17.87	17.68	500	Complies
2462	17.87	17.72	500	Complies

TX CH01


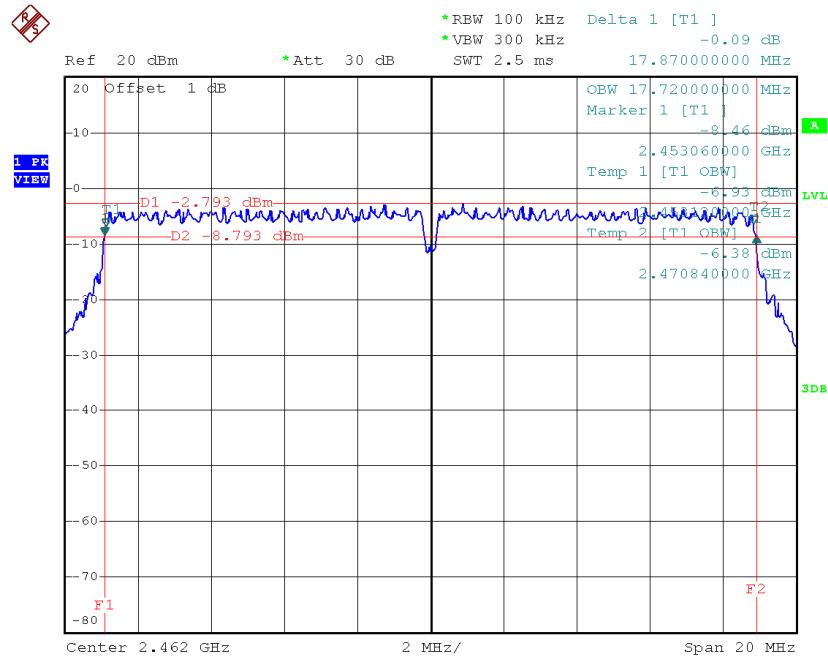
Date: 16.OCT.2014 07:00:03

TX CH06



Date: 16.OCT.2014 07:01:04

TX CH11

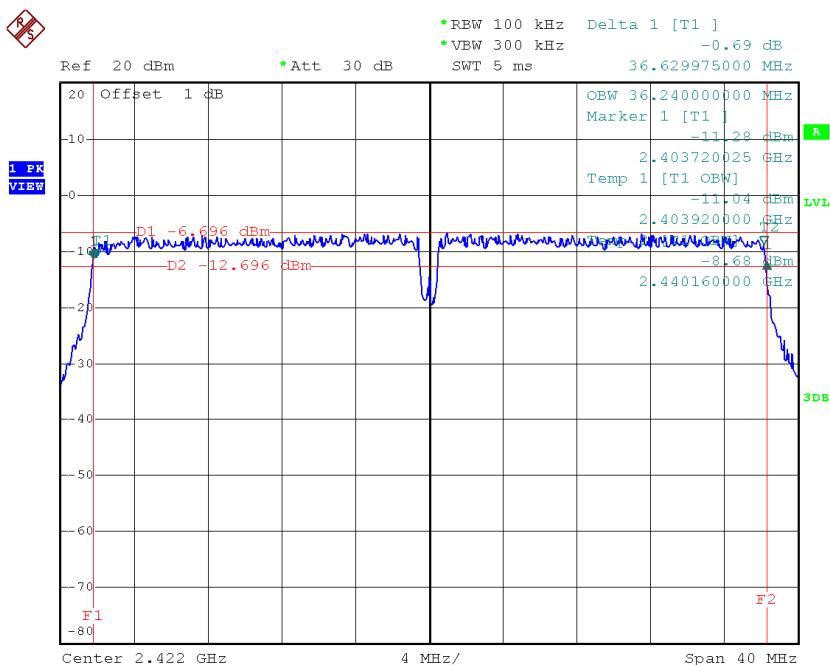


Date: 16.OCT.2014 07:03:02

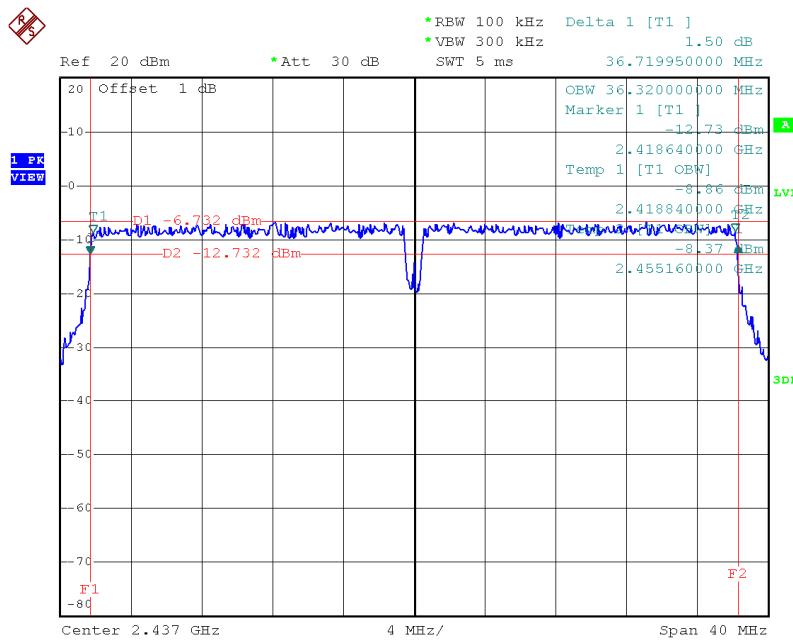
Test Mode : TX N-40MHz Mode CH03/06/09

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.63	36.24	500	Complies
2437	36.72	36.32	500	Complies
2452	36.72	36.32	500	Complies

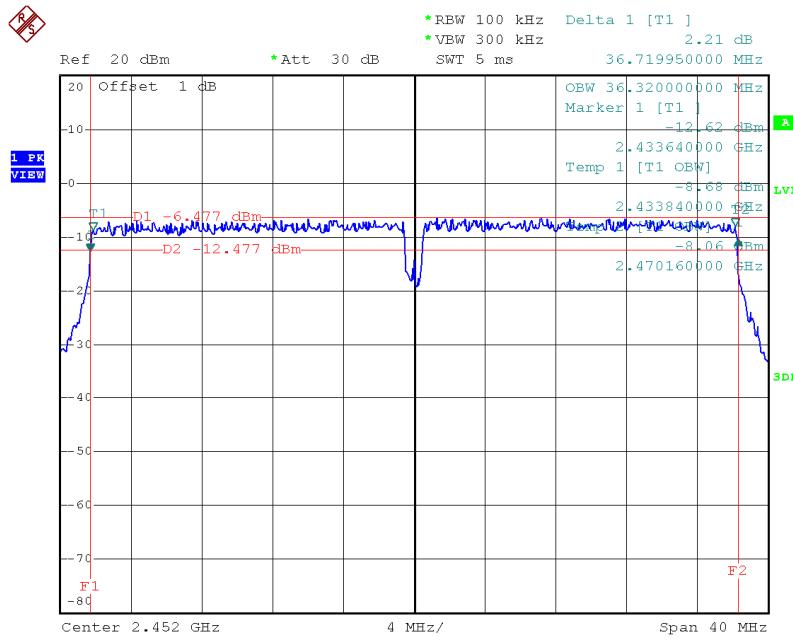
TX CH03



Date: 16.OCT.2014 07:04:19

TX CH06

Date: 16.OCT.2014 07:05:30

TX CH09

Date: 16.OCT.2014 07:06:39

ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode :TX B Mode_CH01/06/11

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	15.78	0.04	30.00	1.00	Complies
2437	16.12	0.04	30.00	1.00	Complies
2462	16.30	0.04	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.25	0.11	30.00	1.00	Complies
2437	21.10	0.13	30.00	1.00	Complies
2462	21.32	0.14	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11

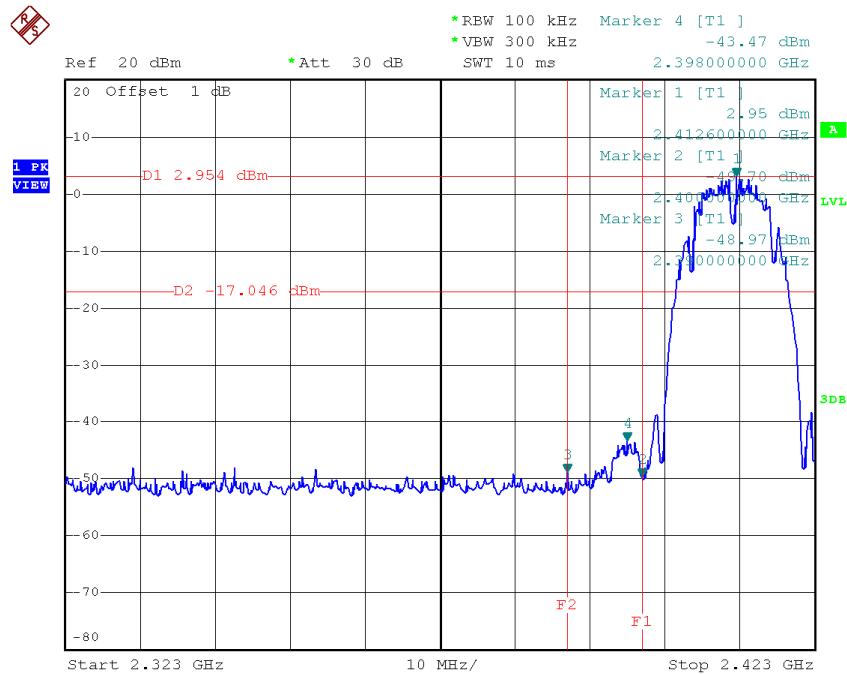
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	20.21	0.10	30.00	1.00	Complies
2437	21.08	0.13	30.00	1.00	Complies
2462	21.22	0.13	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09

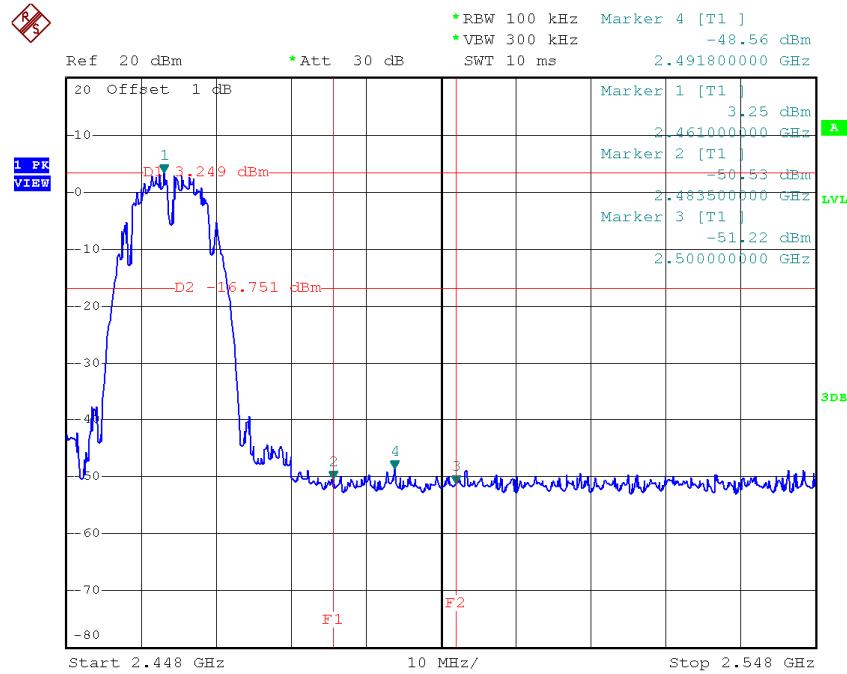
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	21.25	0.13	30.00	1.00	Complies
2437	20.91	0.12	30.00	1.00	Complies
2452	21.16	0.13	30.00	1.00	Complies

**ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS
EMISSION**

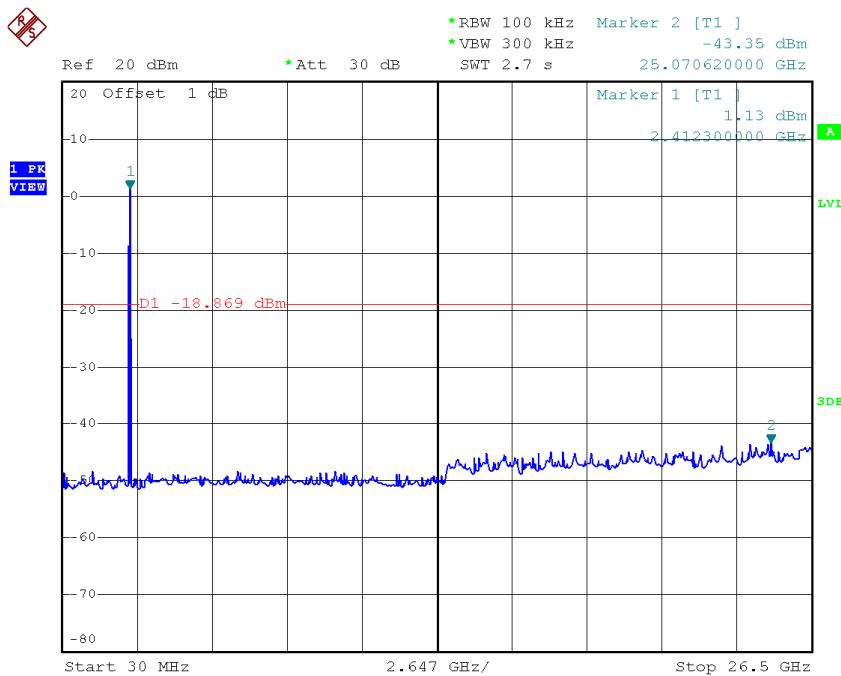
Test Mode :	TX B Mode
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TX B mode CH01

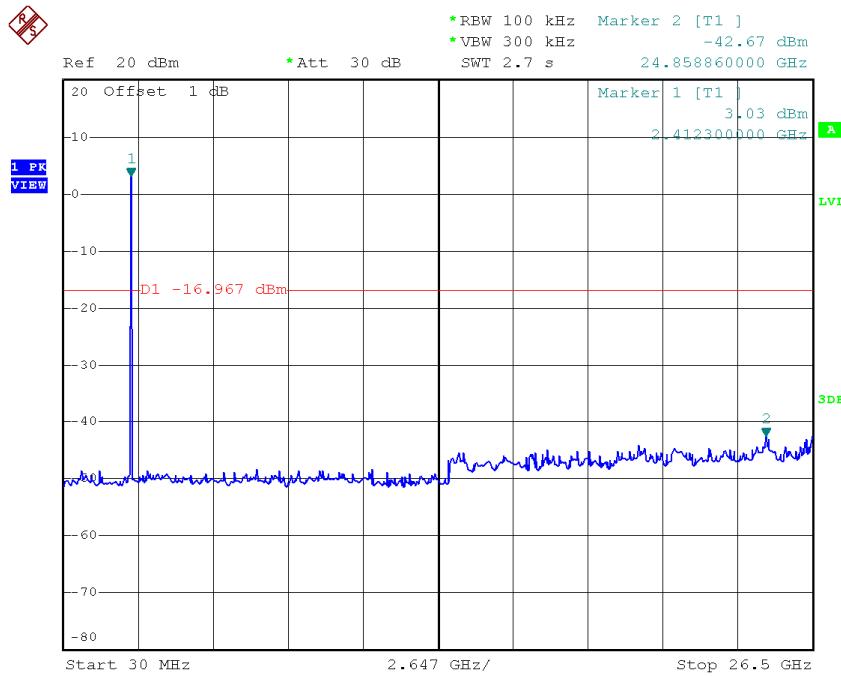
Date: 16.OCT.2014 06:51:57

TX B mode CH11

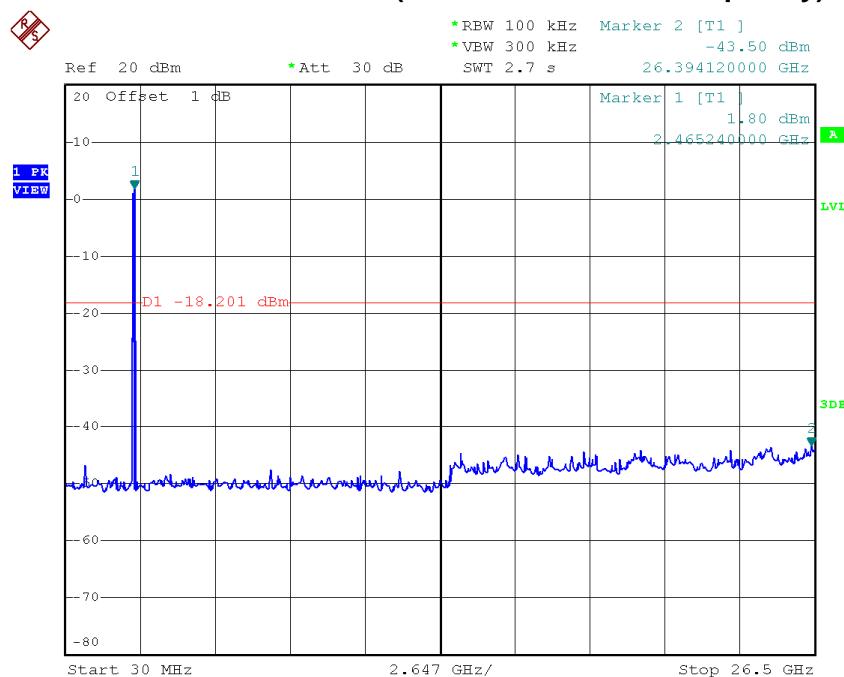
Date: 16.OCT.2014 06:55:07

TX B mode CH01 (10 Harmonic of the frequency)

Date: 16.OCT.2014 06:51:50

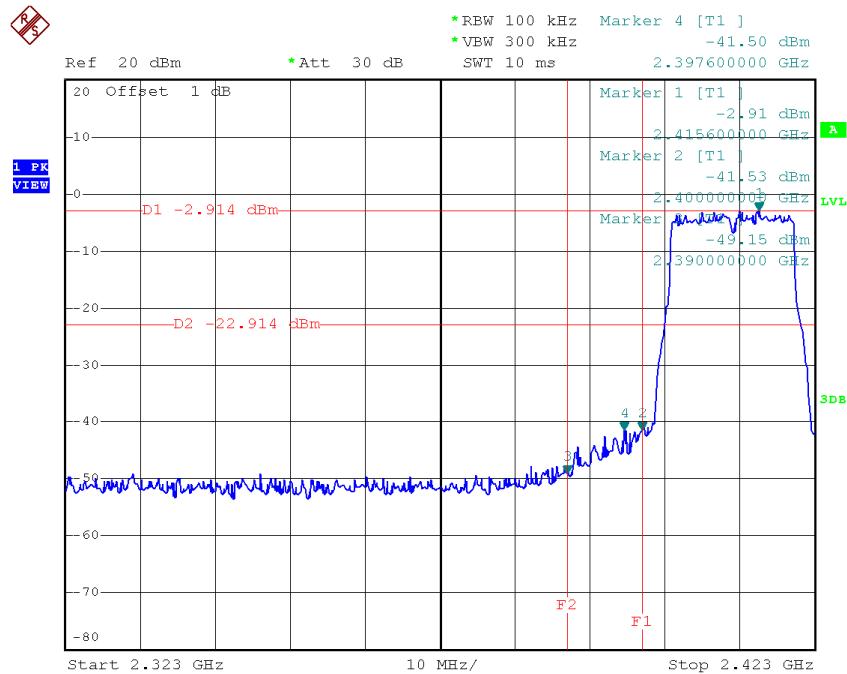
TX B mode CH06 (10 Harmonic of the frequency)

Date: 16.OCT.2014 06:53:24

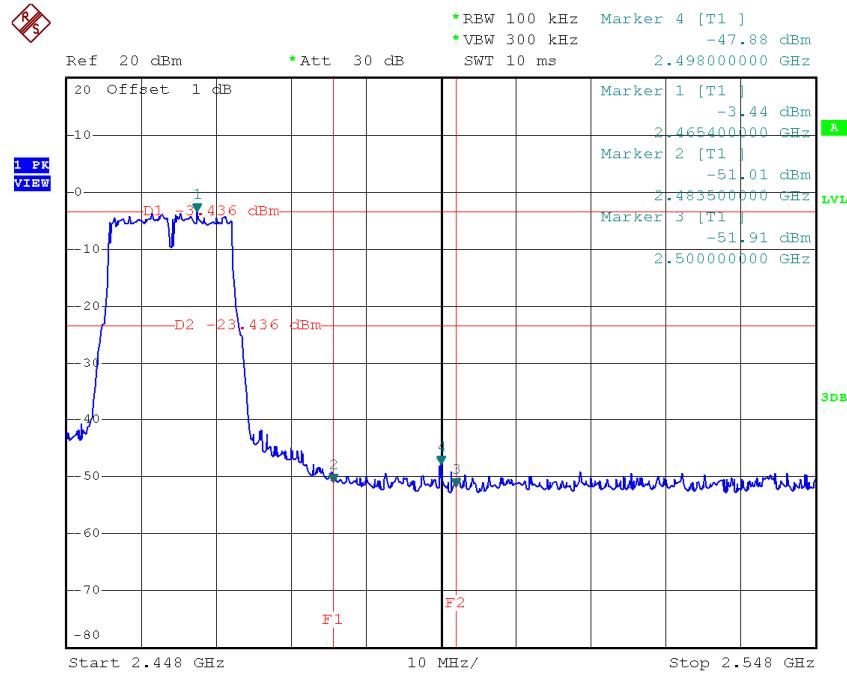
TX B mode CH11 (10 Harmonic of the frequency)

Date: 16.OCT.2014 06:55:00

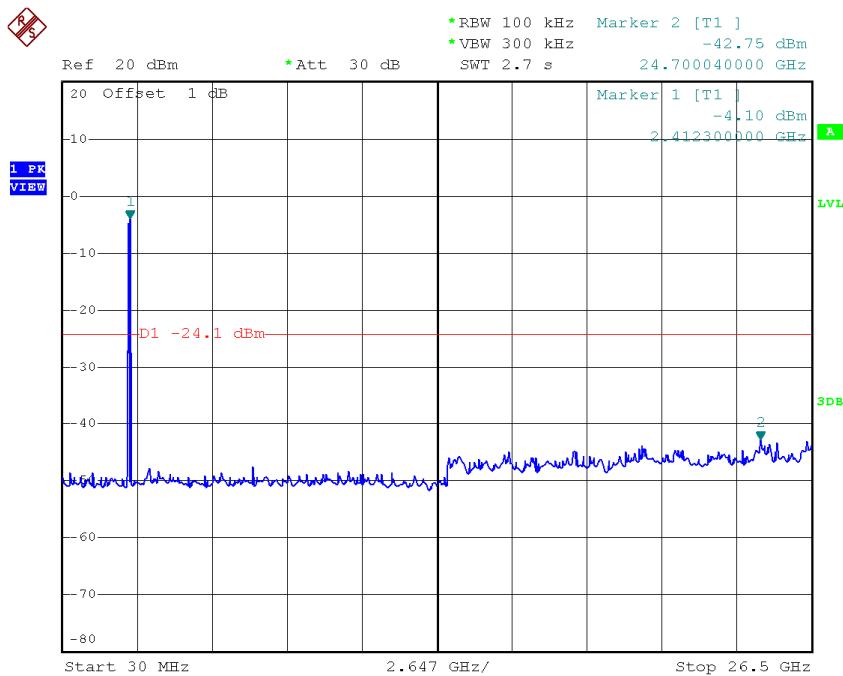
Test Mode :	TX G Mode
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TX G mode CH01

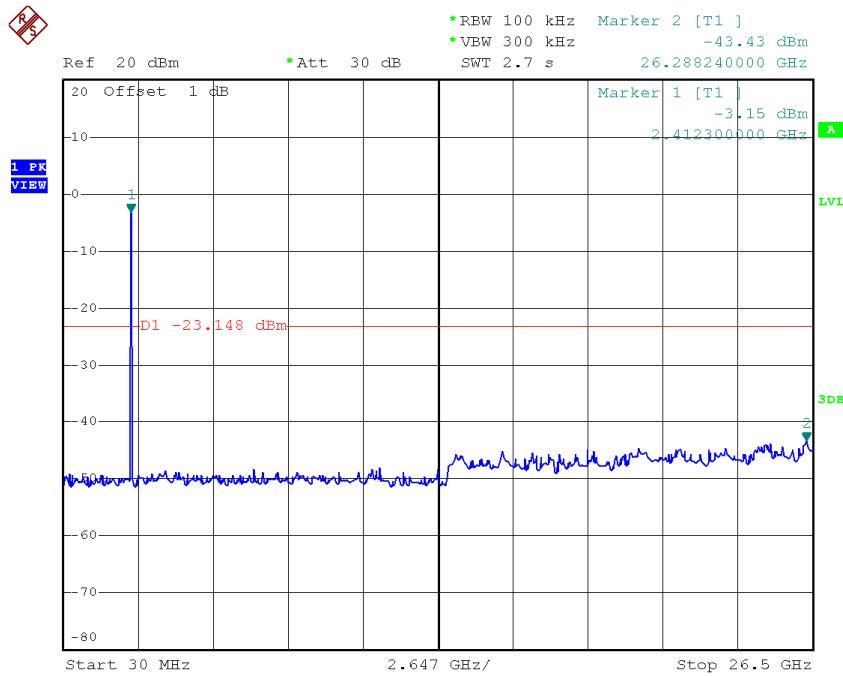
Date: 16.OCT.2014 06:56:10

TX G mode CH11

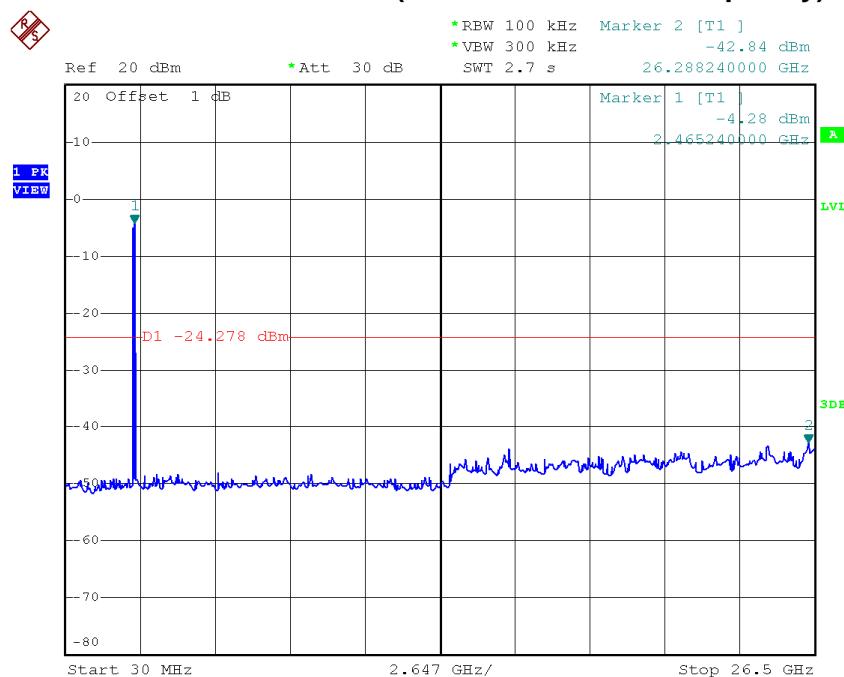
Date: 16.OCT.2014 06:59:15

TX G mode CH01 (10 Harmonic of the frequency)

Date: 16.OCT.2014 06:56:03

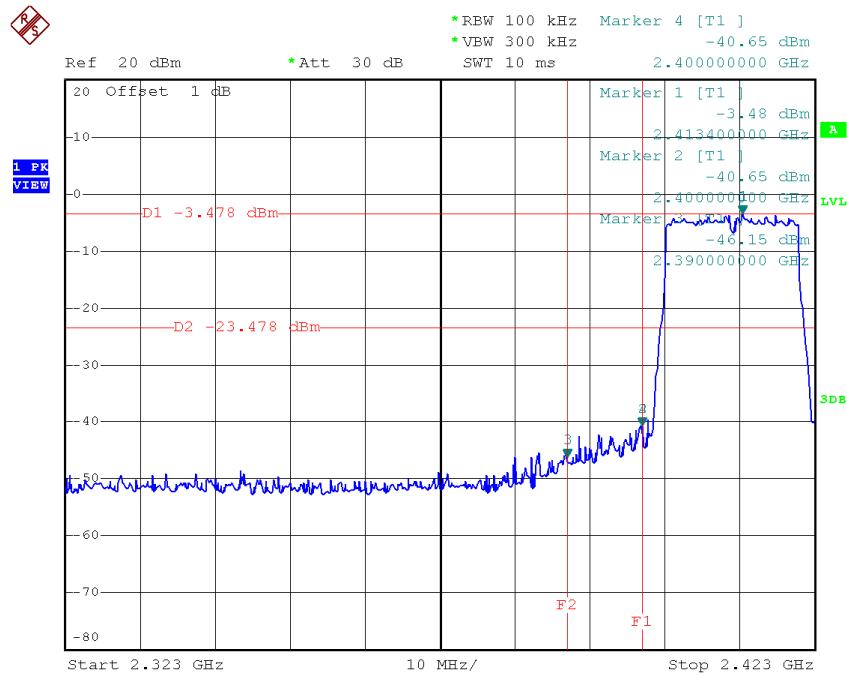
TX G mode CH06 (10 Harmonic of the frequency)

Date: 16.OCT.2014 06:57:05

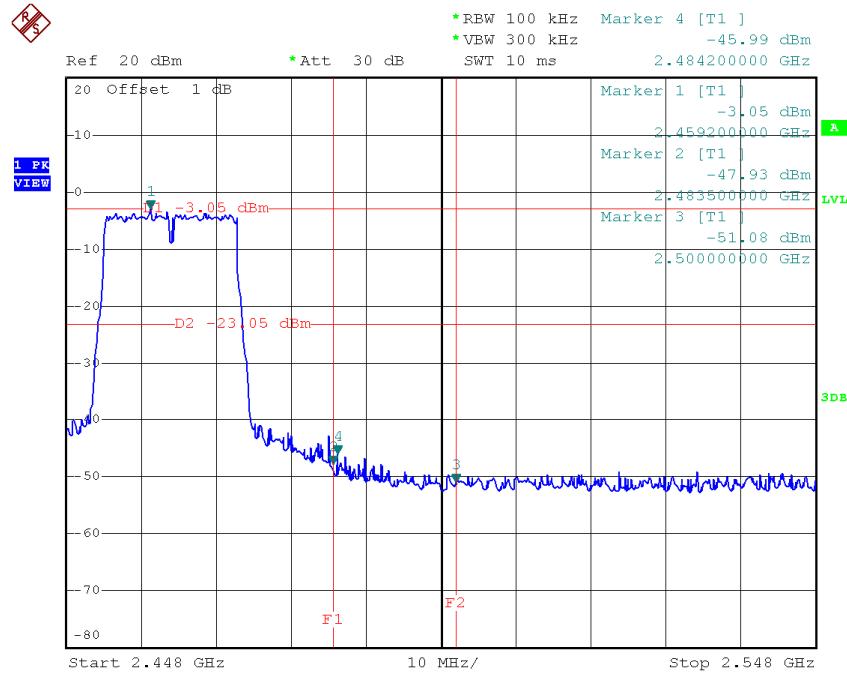
TX G mode CH11 (10 Harmonic of the frequency)

Date: 16.OCT.2014 06:59:08

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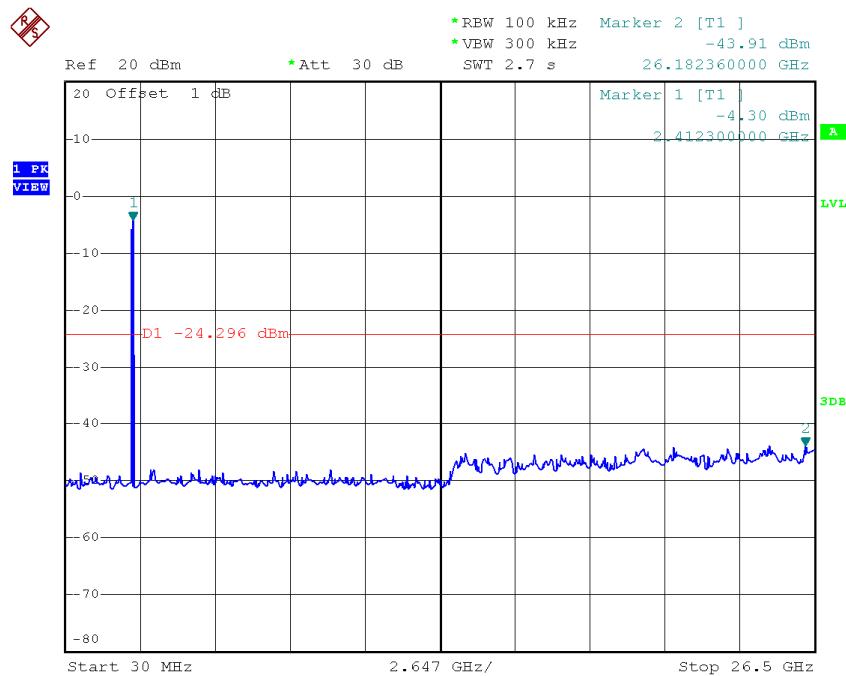
TX HT20 mode CH01

Date: 16.OCT.2014 07:00:21

TX HT20 mode CH11

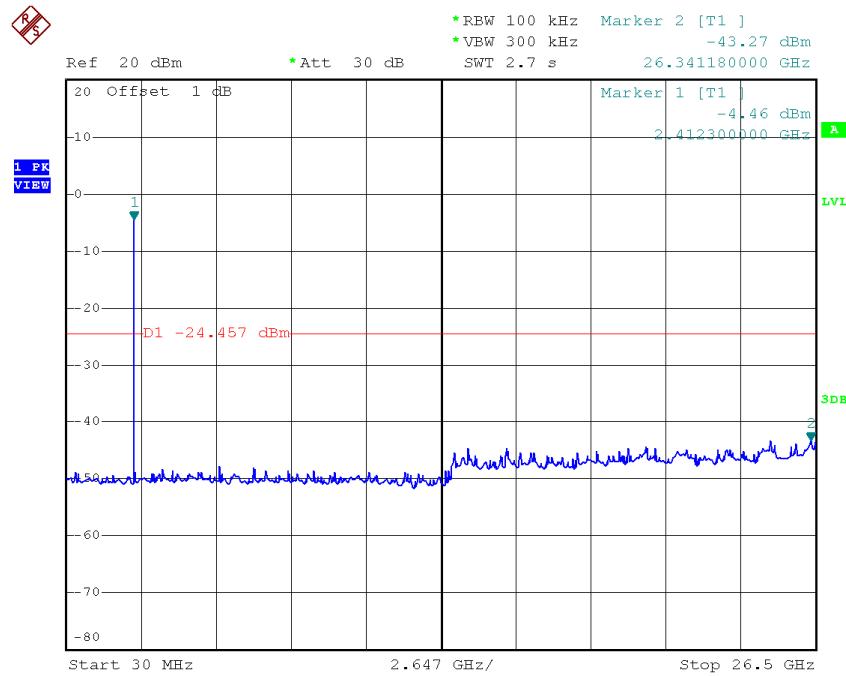
Date: 16.OCT.2014 07:03:20

TX HT20 mode CH01 (10 Harmonic of the frequency)

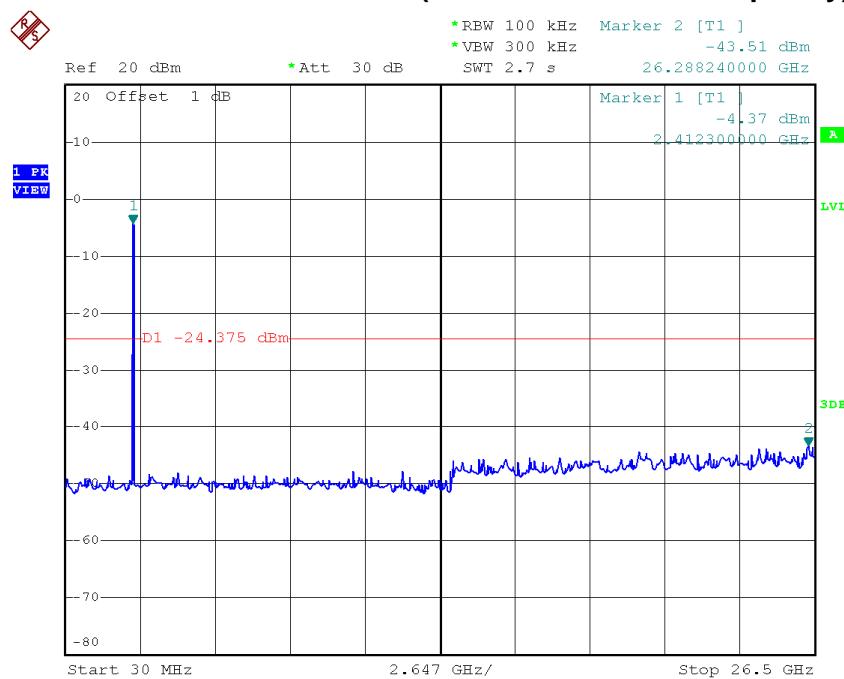


Date: 16.OCT.2014 07:00:14

TX HT20 mode CH06 (10 Harmonic of the frequency)

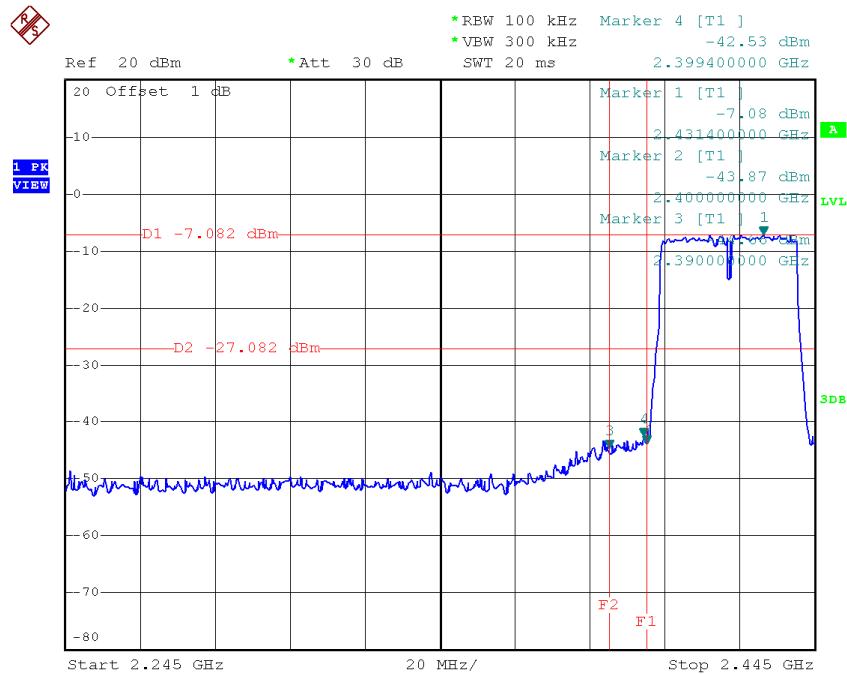


Date: 16.OCT.2014 07:01:14

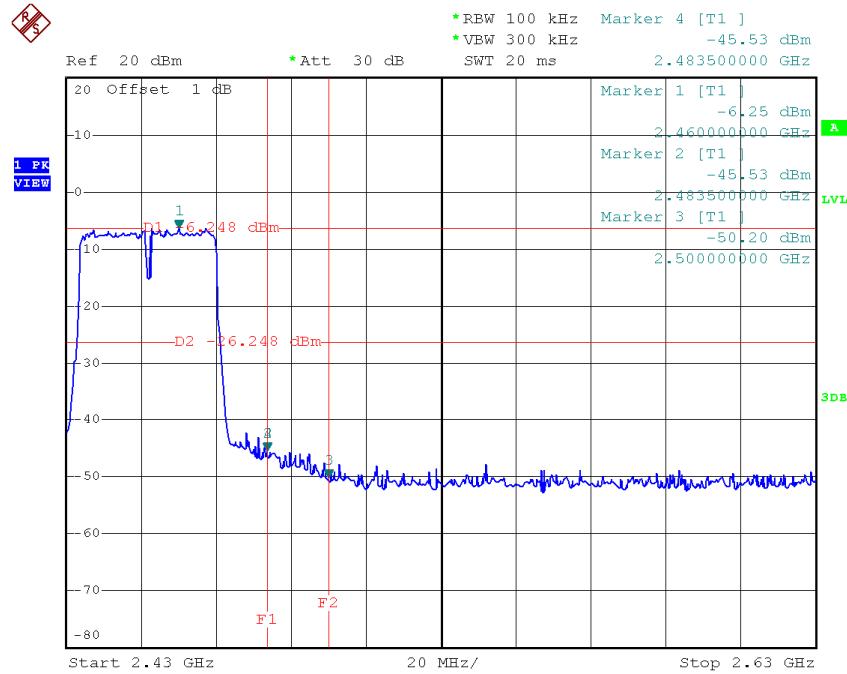
TX HT20 mode CH11 (10 Harmonic of the frequency)

Date: 16.OCT.2014 07:03:12

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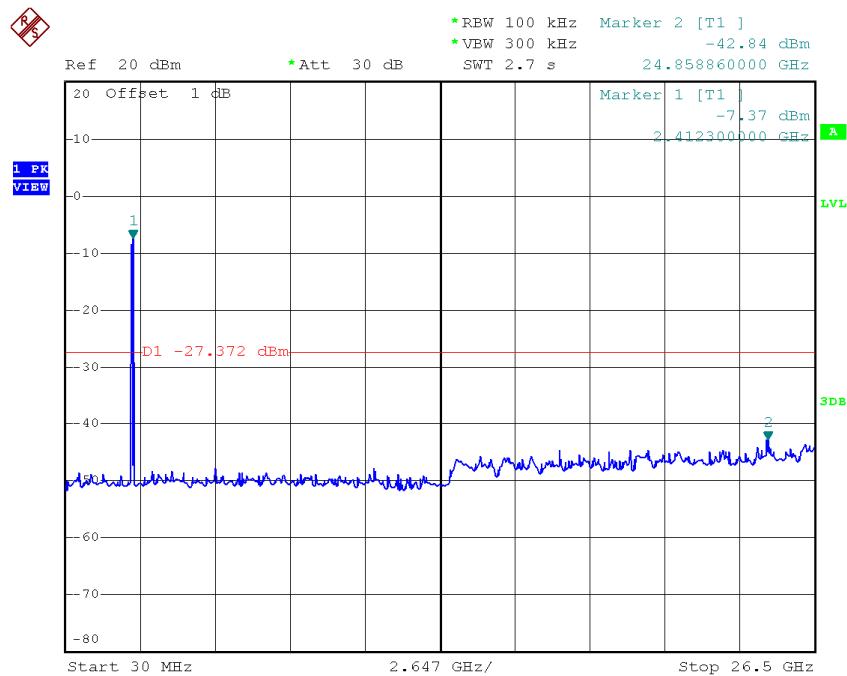
TX HT40 mode CH03

Date: 16.OCT.2014 07:04:36

TX HT40 mode CH09

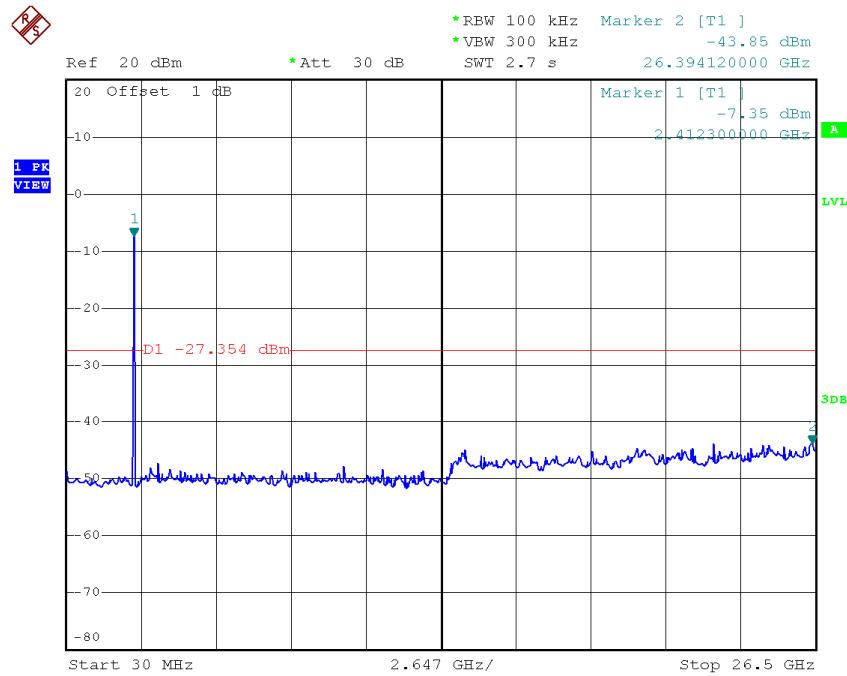
Date: 16.OCT.2014 07:06:57

TX HT40 mode CH03 (10 Harmonic of the frequency)

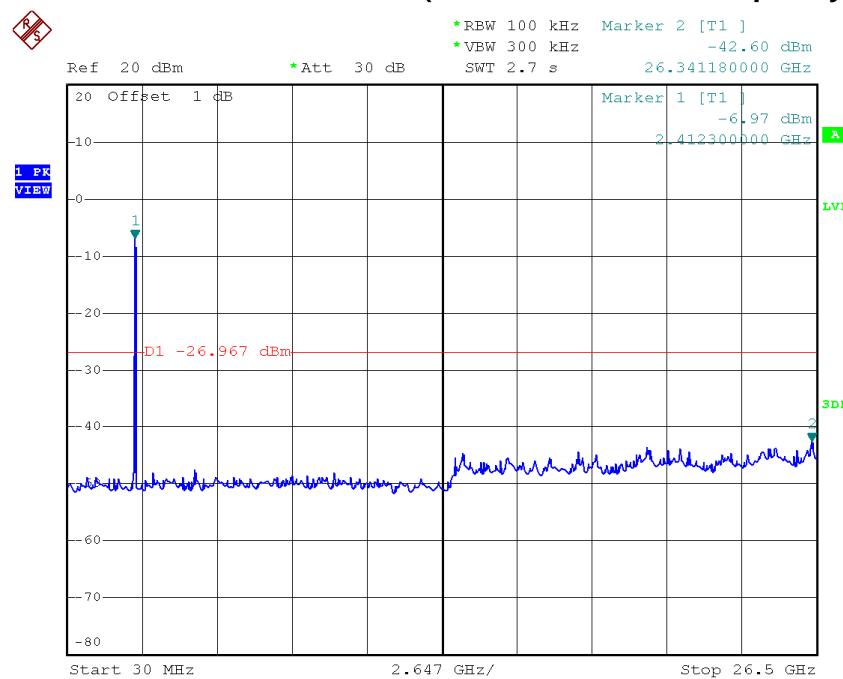


Date: 16.OCT.2014 07:04:29

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 16.OCT.2014 07:05:40

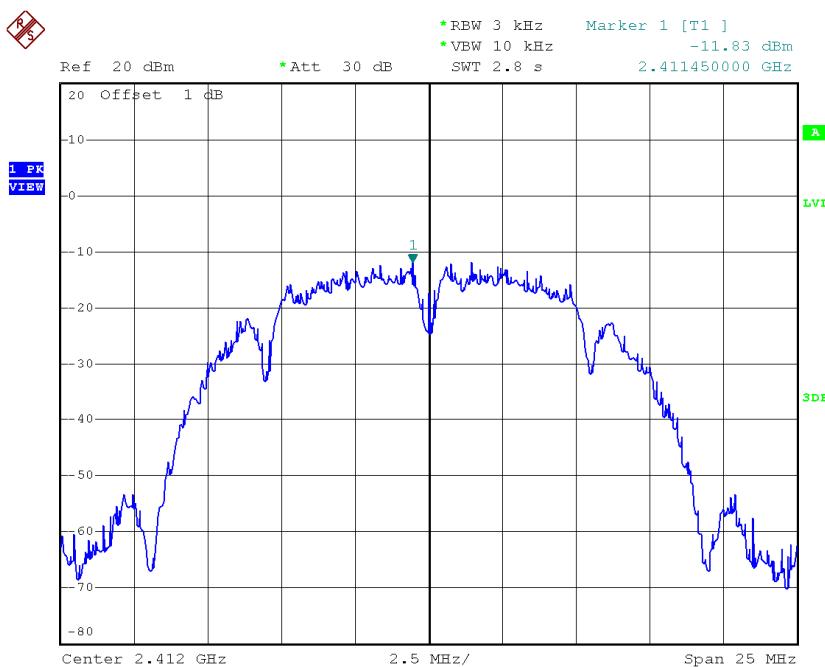
TX HT40 mode CH09 (10 Harmonic of the frequency)

Date: 16.OCT.2014 07:06:49

ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode_CH01/06/11

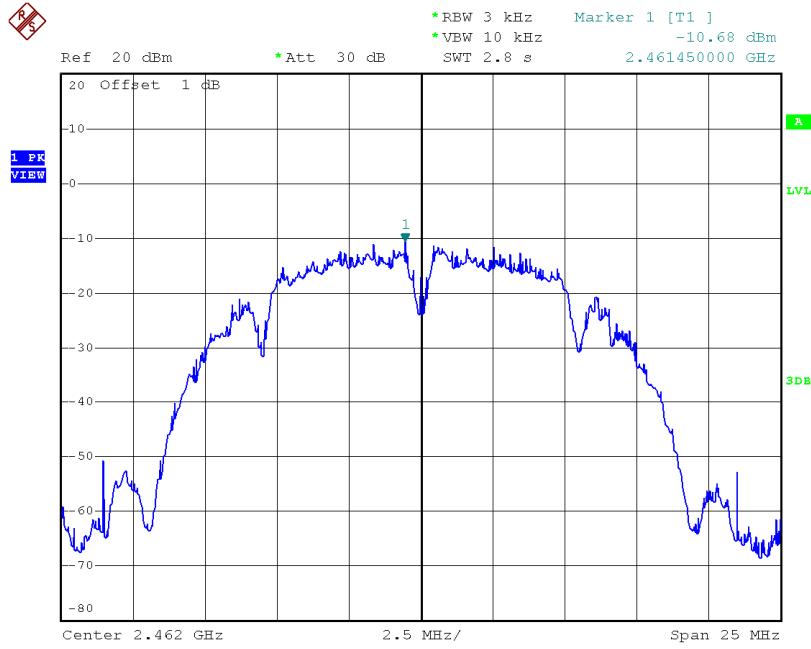
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.83	0.07	8.00	Complies
2437	-11.60	0.07	8.00	Complies
2462	-10.68	0.09	8.00	Complies

TX CH01

Date: 16.OCT.2014 06:52:06

TX CH06

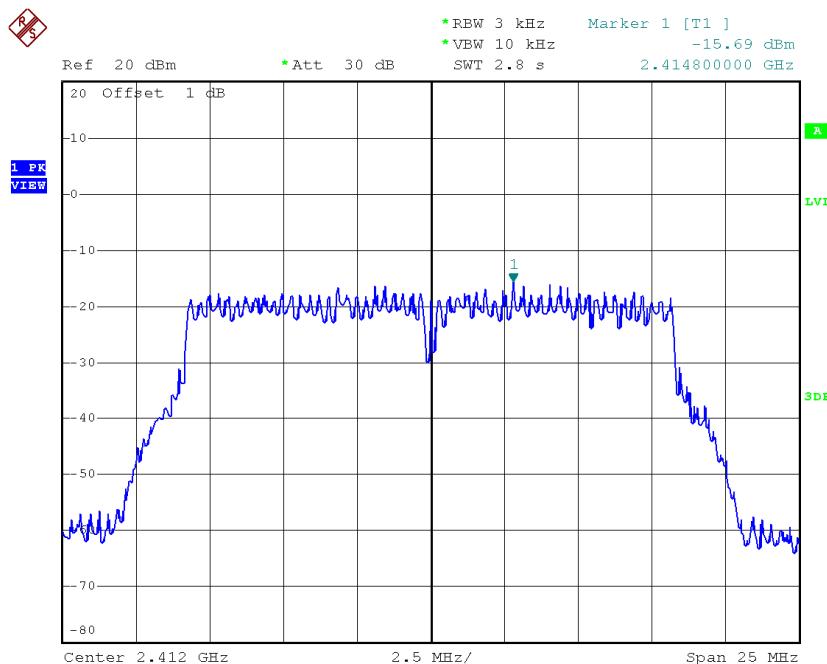
Date: 16.OCT.2014 06:53:33

TX CH11

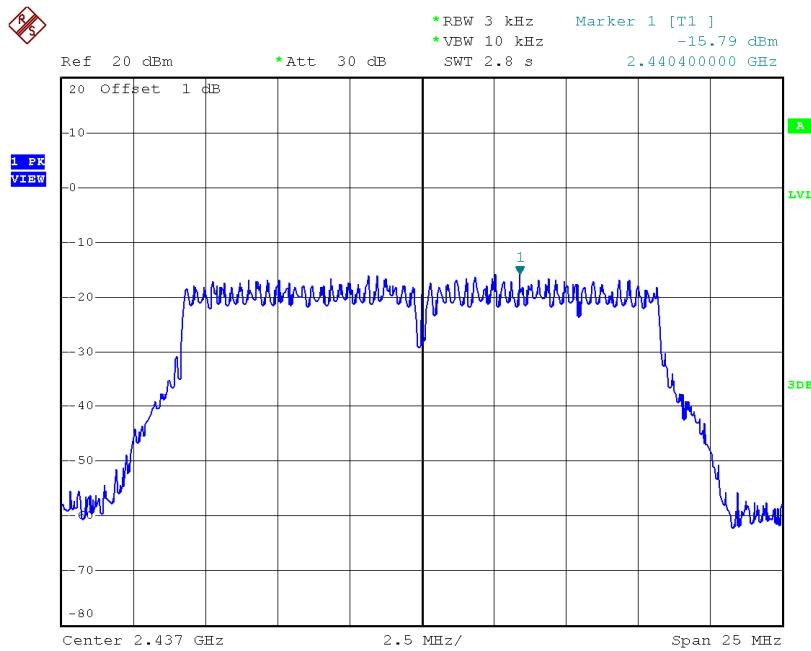
Date: 16.OCT.2014 06:55:16

Test Mode :TX G Mode_CH01/06/11

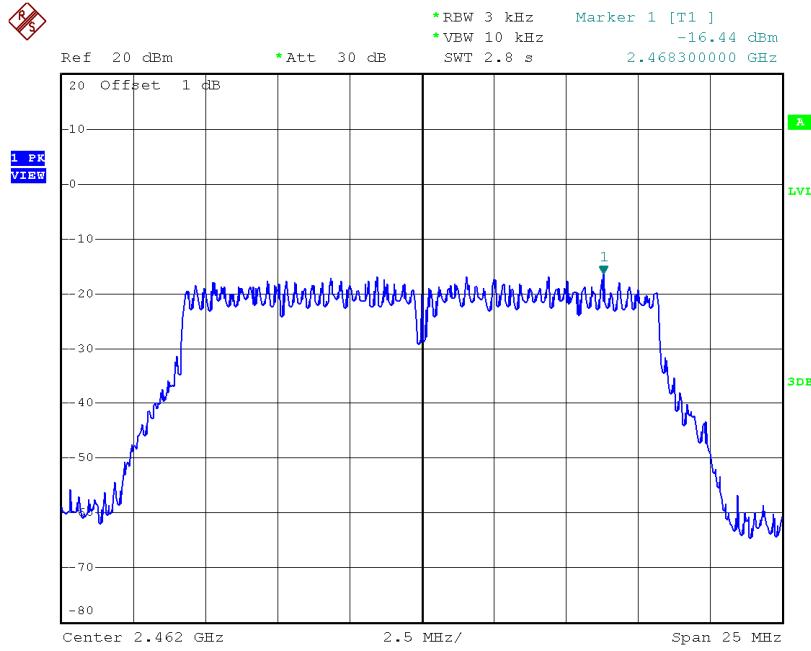
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-15.69	0.03	8.00	Complies
2437	-15.79	0.03	8.00	Complies
2462	-16.44	0.02	8.00	Complies

TX CH01

Date: 16.OCT.2014 06:56:19

TX CH06

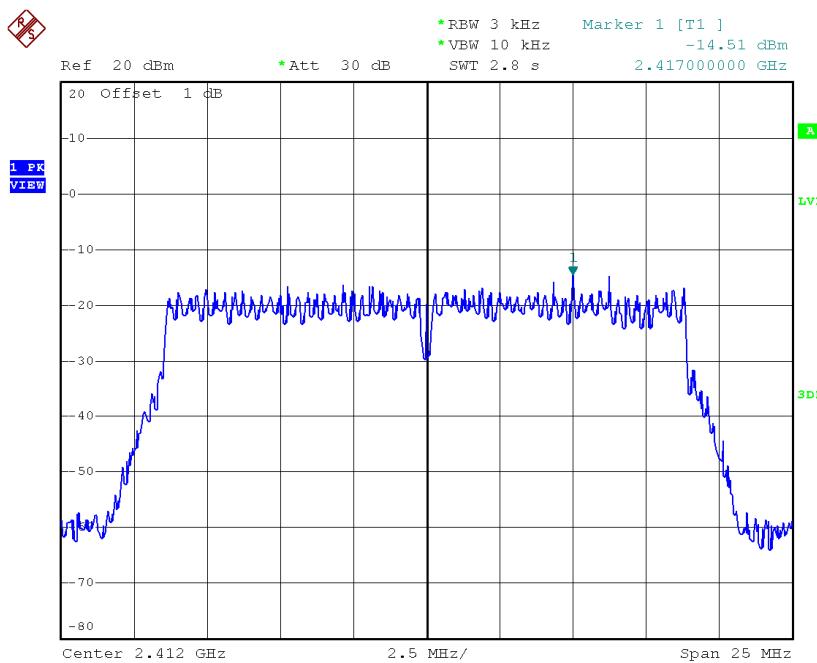
Date: 16.OCT.2014 06:57:14

TX CH11

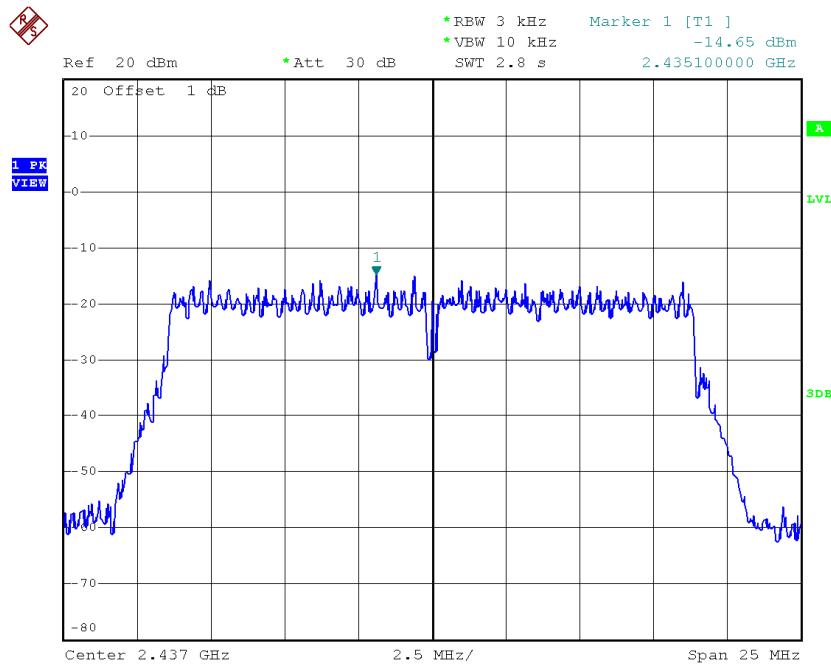
Date: 16.OCT.2014 06:59:24

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

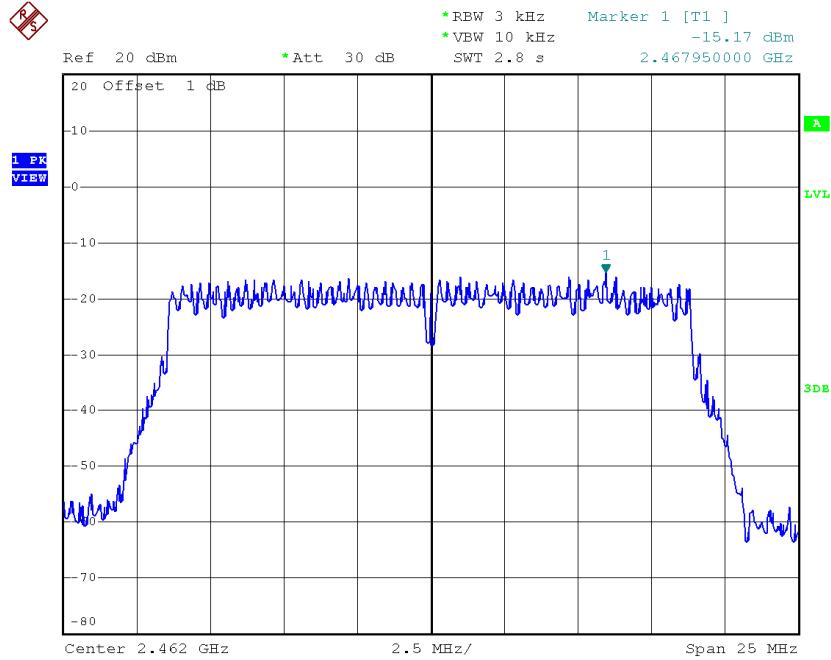
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.51	0.04	8.00	Complies
2437	-14.65	0.03	8.00	Complies
2462	-15.17	0.03	8.00	Complies

TX CH01

Date: 16.OCT.2014 07:00:30

TX CH06

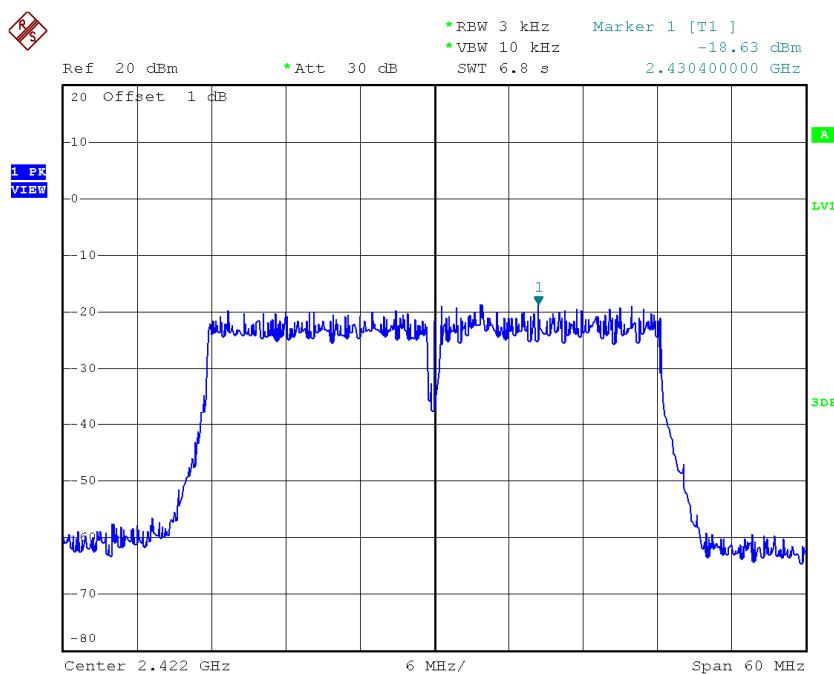
Date: 16.OCT.2014 07:01:23

TX CH11

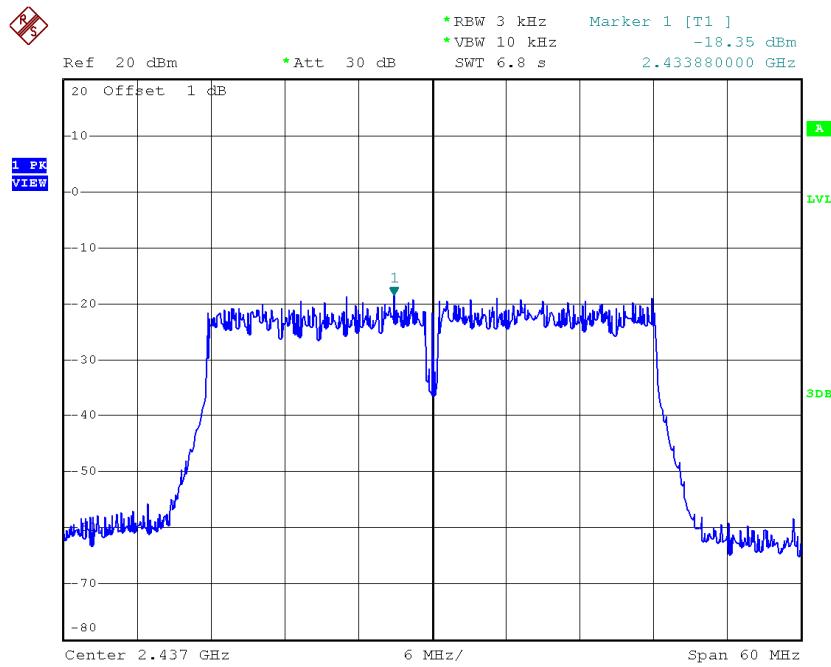
Date: 16.OCT.2014 07:03:28

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

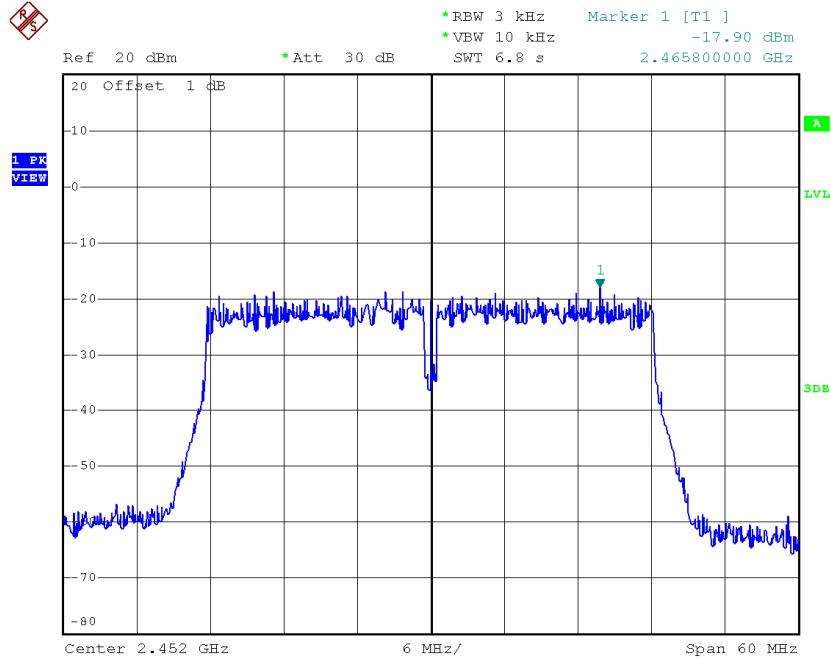
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-18.63	0.01	8.00	Complies
2437	-18.35	0.01	8.00	Complies
2452	-17.90	0.02	8.00	Complies

TX CH03

Date: 16.OCT.2014 07:04:48

TX CH06

Date: 16.OCT.2014 07:05:51

TX CH09

Date: 16.OCT.2014 07:07:08