

FCC Radio Test Report

FCC ID: 2AC4M-MC-01

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

Project No. : 1409003
Equipment : MobiTV Connect
Model Name : MC-01, MC-XX (X=0-9, A-Z, Blank, or "-")
Applicant : MobiTV, Inc.
Address : 6425 Christie Avenue., 5th floor, Emeryville, CA
94608, USA

Date of Receipt : Sep. 03, 2014
Date of Test : Sep. 03, 2014 ~ Oct. 22, 2014
Issued Date : Oct. 24, 2014
Tested by : BTL Inc.

Testing Engineer



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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-FCCP-2-1409003	Original Issue.	Oct. 24, 2014

1. CERTIFICATION

Equipment : MobiTV Connect
Brand Name : MobiTV
Model Name : MC-01, MC-XX (X=0-9, A-Z, Blank, or "-")
Applicant : MobiTV, Inc.
Manufacturer : JABIL CIRCUIT
Address : 10560 Dr. Martin Luther King Jr. St. N.St. Petersburg, FL 33716 USA
Factory : JABIL CIRCUIT INDIA PVT LTD
Address : B-26 MIDC RD, EHTP UNIT, RANJANGAON MIDC IND AREA, TALUKA SHIRUR, DIST PUNE MH, INDIA
Date of Test : Sep. 03, 2014 ~ Oct. 22, 2014
Test Sample : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart C: 2013 (15.247) / ANSI C63.4-2009 /
FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r02

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1407010) 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			
Standard(s) Section	Test Item	Judgment	Remark
FCC			
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	
15.209/15.205	Transmitter Radiated Emissions	PASS	

NOTE:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

Conducted emission Test:

C02: 1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

Radiated emission Test (Below 1 GHz):

CB08: 1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

Radiated emission Test (Above 1 GHz):

CB08: 1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

2.2 MEASUREMENT UNCERTAINTY

The measurement uncertainty is not specified by FCC rules and for reference only.

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

The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2.

A. Conducted emission test:

Test Site	Measurement Frequency Range	U,(dB)	NOTE
C02	150 kHz ~ 30 MHz	2.59	

B. Radiated emission test:

Test Site	Item	Measurement Frequency Range	Uncertainty	NOTE
CB08	Radiated emission at 3m	Horizontal Polarization	30 - 200MHz	3.35 dB
		Horizontal Polarization	200 - 1000MHz	3.11 dB
		Horizontal Polarization	1 - 18GHz	3.97 dB
		Horizontal Polarization	18 - 40GHz	4.01 dB
	Radiated emission at 3m	Vertical Polarization	30 - 200MHz	3.22 dB
		Vertical Polarization	200 - 1000MHz	3.24 dB
		Vertical Polarization	1 - 18GHz	4.05 dB
		Vertical Polarization	18 - 40GHz	4.04 dB

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our U_{lab} values in CISPR 16-4-2 terminology.

Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called U_{CISPR} , as follows:

Conducted Disturbance (mains port) – 150 kHz – 30 MHz: 3.6 dB

Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz: 5.2 dB

It can be seen that our U_{lab} values are smaller than U_{CISPR} .

If U_{lab} is less than or equal to U_{CISPR} , then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If U_{lab} is greater than U_{CISPR} , then:

- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} - U_{CISPR})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{lab} - U_{CISPR})$, exceeds the disturbance limit.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	MobiTV Connect	
Brand Name	MobiTV	
Model Name	MC-01, MC-XX (X=0-9, A-Z, Blank, or "-")	
Model Difference	Only for Different Brands or Markets	
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: 17.37dBm (0.0546W) 802.11g: 22.82dBm (0.1914W) 802.11n20: 22.65dBm (0.1841W)
Power Source	DC Voltage supplied from AC/DC adapter. #1 Brand/Model: AMIGO/AMS57-0501200FU #2 Brand/Model: JQH/NSA8UU-050150 #3 Brand/Model: Liteon/PA-1060-07	
Power Rating	I/P:100-240V 50/60Hz O/P:0.2A 5V 1.2A	

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)							
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

. The equipment has two groups antenna.

Group 1

Ant .	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Ethertronics	5001787	PIFA	N/A	4.5	-

Group 2

Ant .	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Tongda	N/A	PIFA	N/A	2.3	-

The group1 is the worst and recorded in this report

3.2 DESCRIPTION OF TEST MODES

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

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

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)
For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.

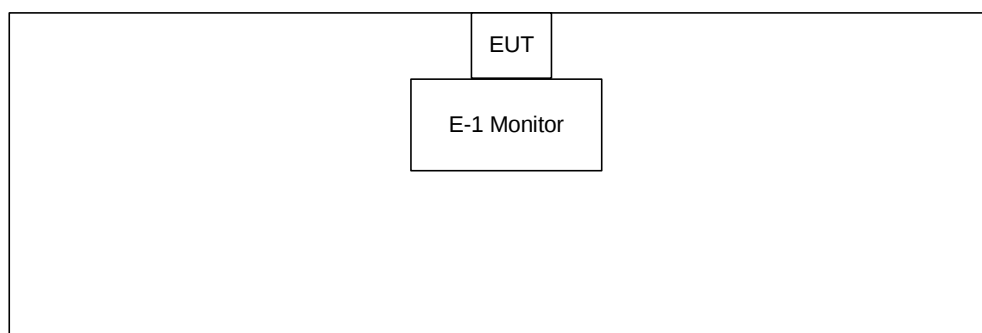
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	Ampak RF Test Tool Ver 4.7		
Frequency (MHz)	2412	2437	2462
802.11b	58dqBm	Default	58dqBm
802.11g	44dqBm	Default	50dqBm
802.11n20	42dqBm	Default	48dqBm

Note: 1dBm=4dqBm

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
E-1	24" LCD Monitor	DELL	2408WFPb	DOC	071863-11	

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 (dBμV)	
	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

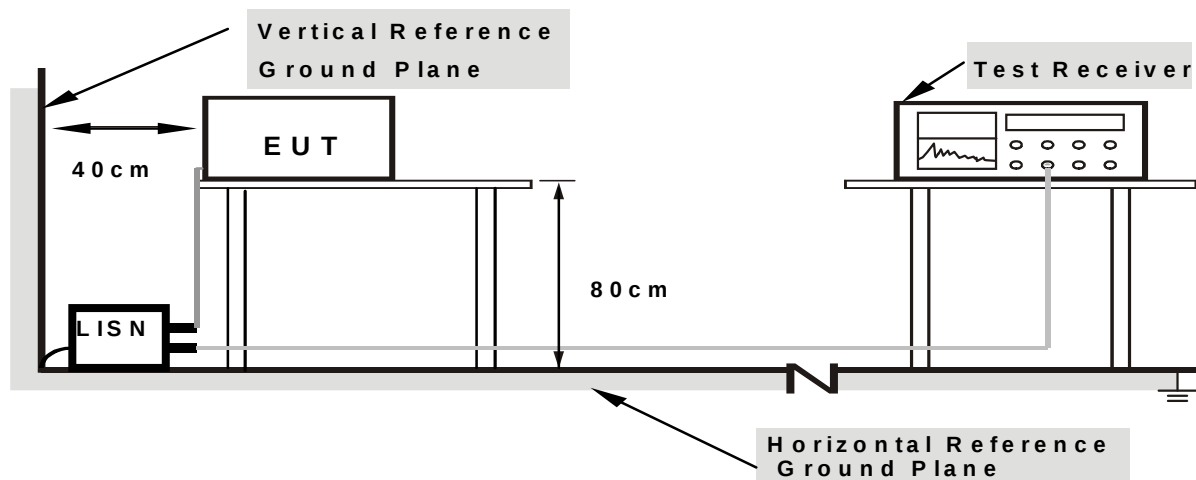
4.1.2 TEST PROCEDURE

- 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: 24°C Relative Humidity: 59% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

20dB in any 100 KHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9KHz-1000MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

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

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

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

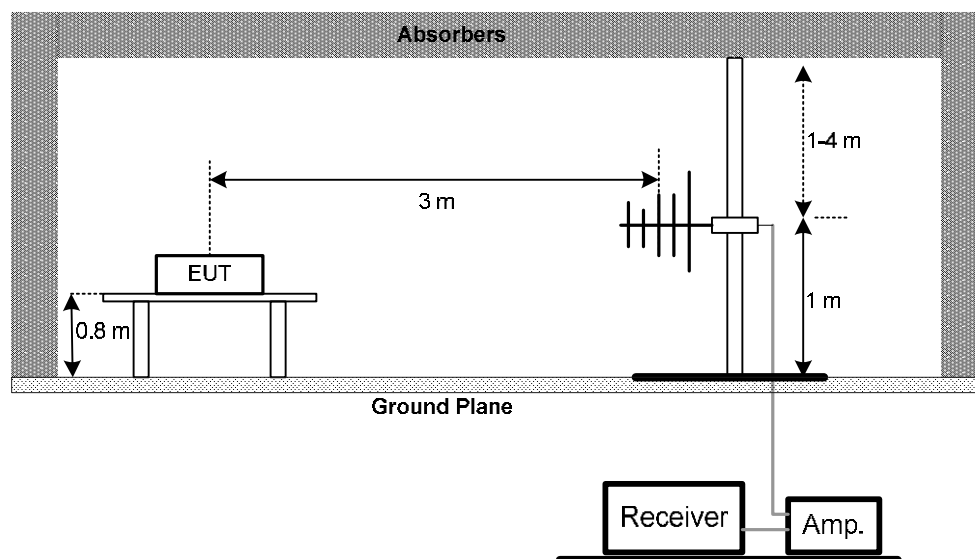
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3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

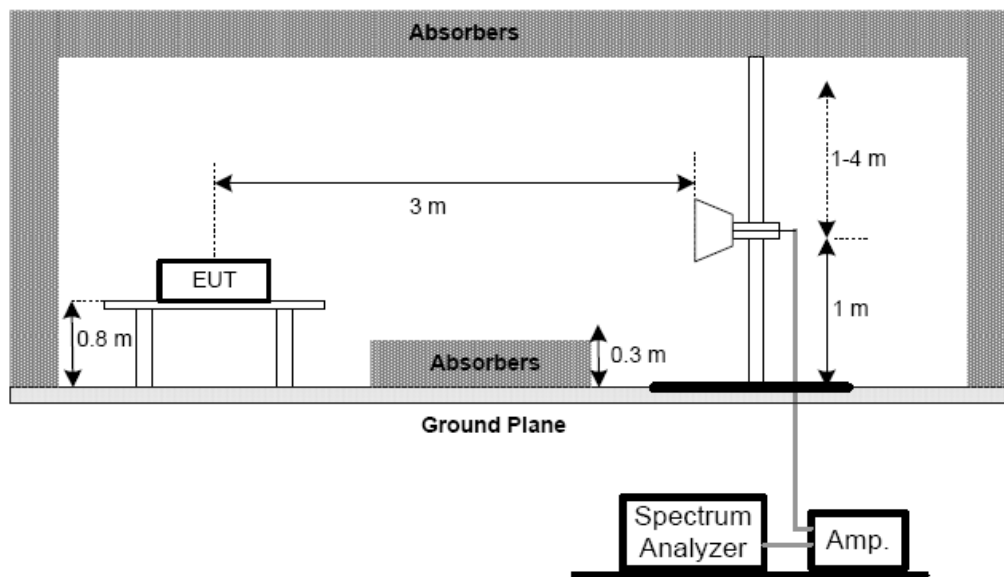
No deviation

4.2.4 TEST SETUP

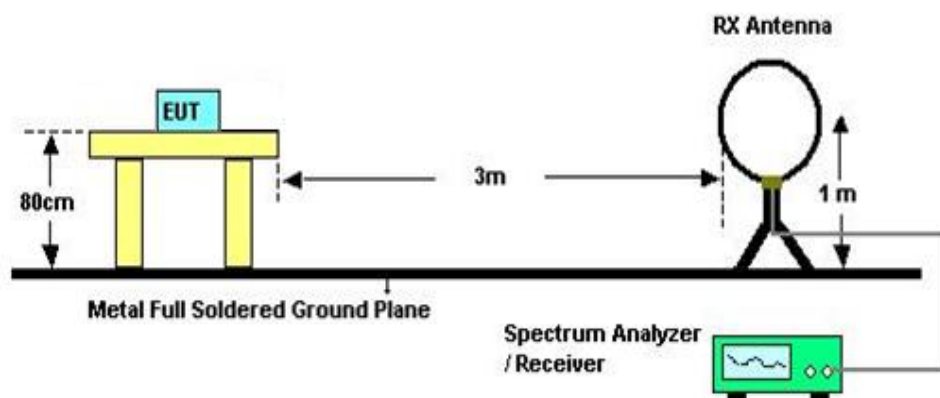
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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: 23°C Relative Humidity: 61% 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			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	2400-2483.5	PASS

5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 EUT TEST CONDITIONS

Temperature: 22°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM OUTPUT POWER TEST

6.1 Applied procedures / limit

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

6.1.1 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- The maximum peak conducted output power was performed in accordance with method 9.1.3 of FCC KDB 558074 D01 DTS Meas Guidance 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: 22°C Relative Humidity: 60% 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.

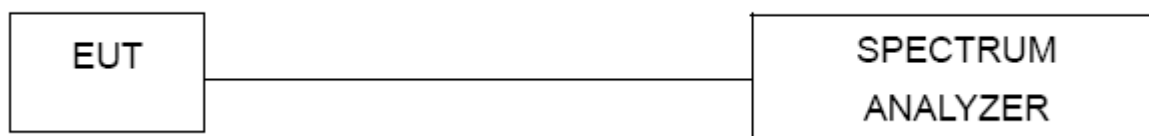
7.1.1 TEST PROCEDURE

- 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: 22°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

8.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW=3KHz, VBW=10KHz, Sweep time = Auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

8.1.5 EUT TEST CONDITIONS

Temperature: 22°C Relative Humidity: 60% 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	R&s	ENV216	100087	Nov. 23, 2014
2	Test Cable	TIMES	CFD300-NL	C01	Jun. 15, 2015
3	EMI Test Receiver	R&S	ESCI	100082	Apr. 13, 2015
4	Measurement Software	EZ	EZ EMC (Version NB-02A)	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Oct. 13, 2015
2	Horn Antenna	Schwarzbeck	BBHA 9120	D-325	Jun. 14, 2015
3	Microwave Pre_amplifier	Agilent	8449B	3008A01714	Apr. 15, 2015
4	Microflex Cable	Harbour industries	27478LL142	1m	May. 12, 2015
5	Microflex Cable	EMC	S104-SMA	8m	May. 14, 2015
6	Microflex Cable	Harbour industries	27478LL142	3m	May. 12, 2015
7	Test Cable	LMR	LMR-400	12m	May. 13, 2015
8	Test Cable	LMR	LMR-400	3m	May. 13, 2015
9	Pre-Amplifier	Anritsu	MH648A	M92649	Jun. 17, 2015
10	Log-Bicon Antenna	Schwarzbeck	VULB9168-35 2	9168-352	July. 10, 2015

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Sep. 07, 2015

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Sep. 07, 2015

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Sep. 07, 2015

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Sep. 07, 2015

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

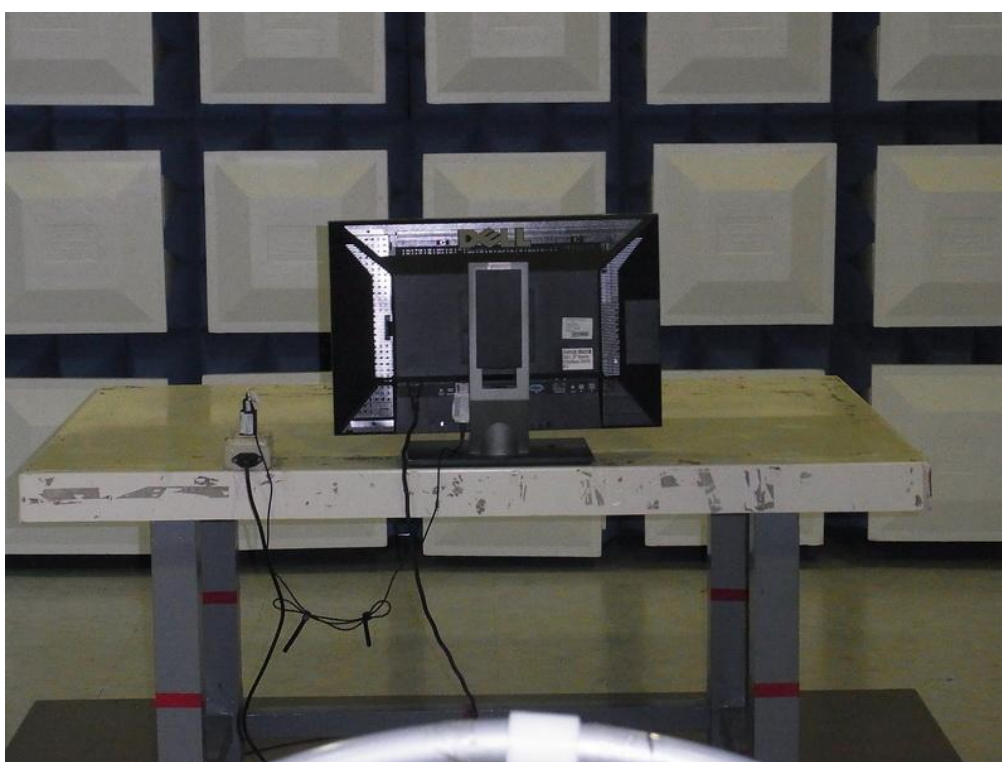
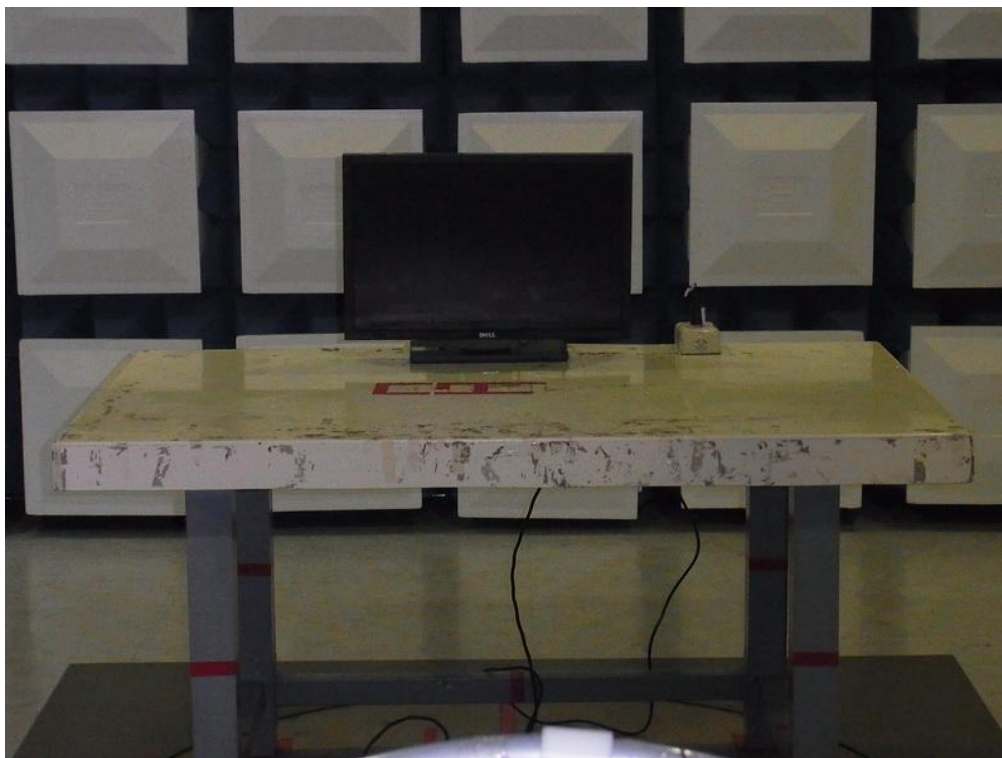
10. EUT TEST PHOTO

Conducted Measurement Photos



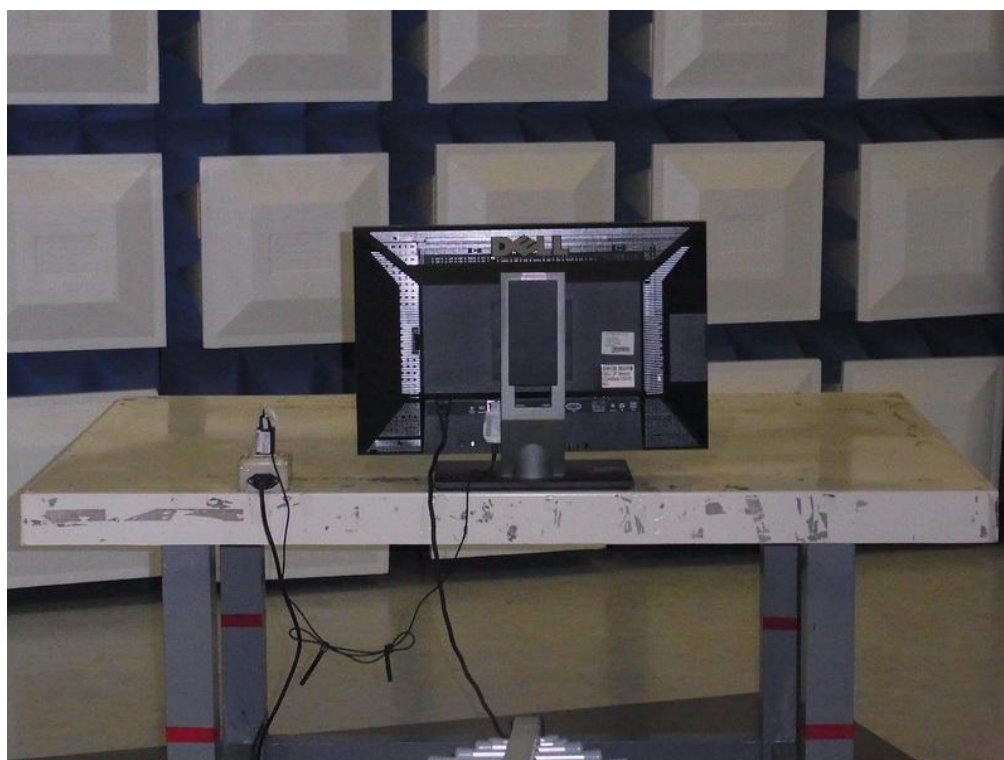
Radiated Measurement Photos

9K-30MHz



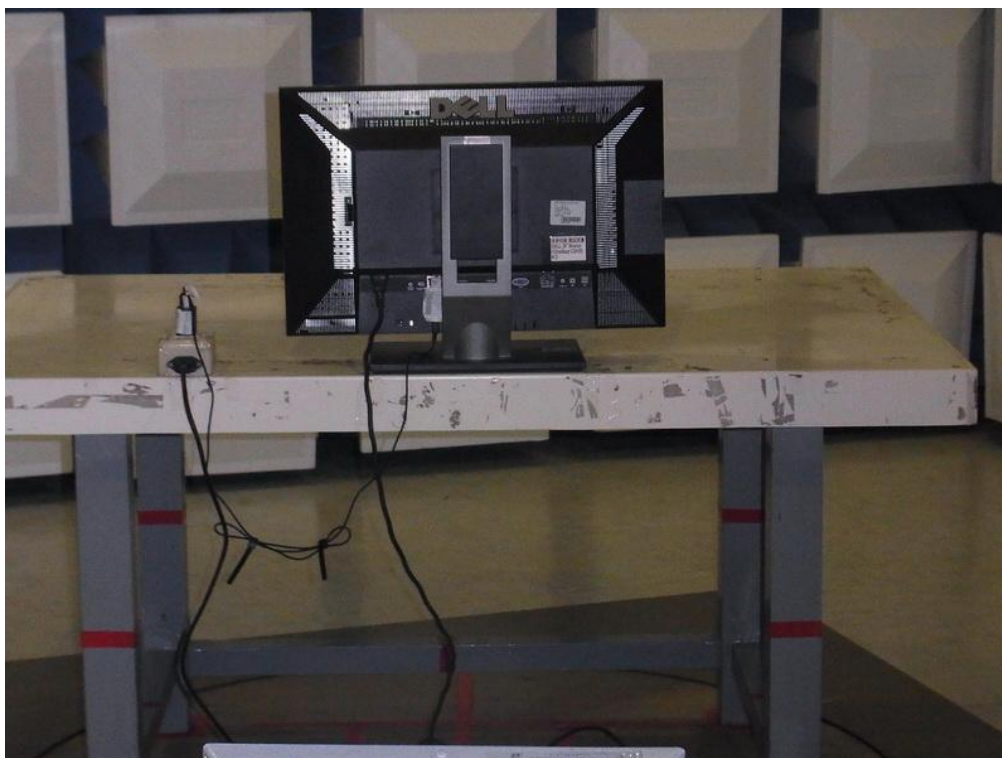
Radiated Measurement Photos

30MHz-1G



Radiated Measurement Photos

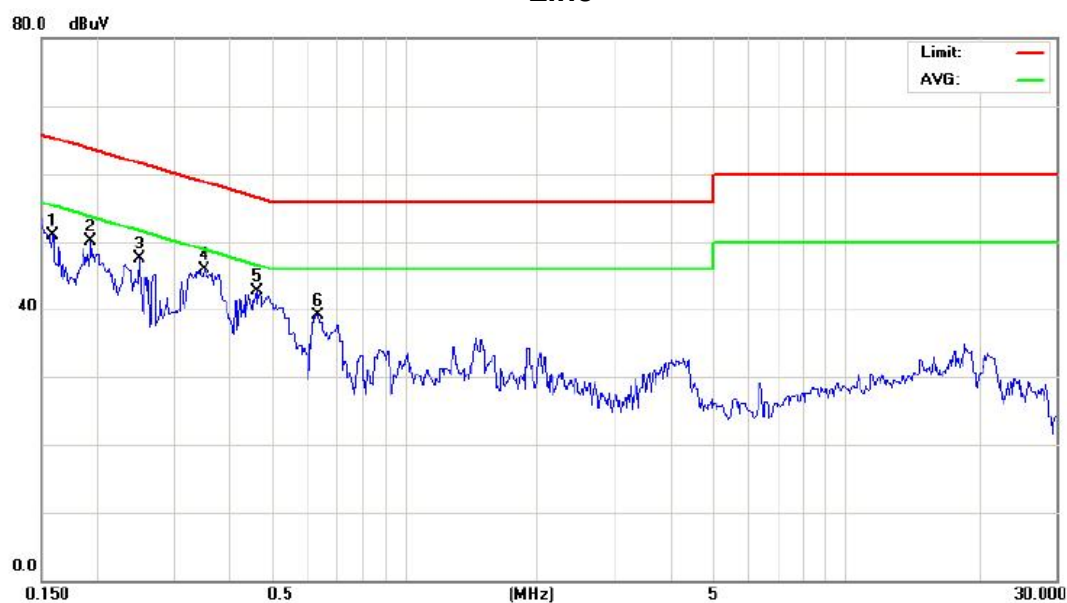
Above 1G



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX MODE

Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1589	41.18	9.65	50.83	65.52	-14.69	peak	
2		0.1940	40.50	9.65	50.15	63.86	-13.71	peak	
3		0.2500	37.84	9.71	47.55	61.75	-14.20	peak	
4	*	0.3508	36.12	9.82	45.94	58.94	-13.00	peak	
5		0.4611	32.66	9.95	42.61	56.67	-14.06	peak	
6		0.6349	29.26	9.79	39.05	56.00	-16.95	peak	

Test Mode : TX MODE

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1513	42.19	9.64	51.83	65.92	-14.09	peak	
2		0.1975	40.24	9.64	49.88	63.71	-13.83	peak	
3		0.2466	38.73	9.64	48.37	61.87	-13.50	peak	
4	*	0.3310	36.29	9.65	45.94	59.42	-13.48	peak	
5		0.4796	32.77	9.67	42.44	56.35	-13.91	peak	
6		1.4449	27.10	9.72	36.82	56.00	-19.18	peak	

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

Test Mode:	TX Mode
------------	---------

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.2431	0°	55.27	11.20	66.47	119.89	-53.42	PK
0.2431	0°	37.96	11.20	49.16	99.89	-50.73	AVG
0.3762	0°	54.68	10.80	65.48	116.10	-50.62	PK
0.3762	0°	41.20	10.80	52.00	96.10	-44.10	AVG
0.5320	0°	31.85	10.83	42.68	73.09	-30.41	QP
0.5861	0°	34.21	10.87	45.08	72.24	-27.17	QP
0.7520	0°	31.85	11.00	42.85	70.08	-27.23	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.2465	90°	55.24	11.17	66.41	119.77	-53.35	PK
0.2465	90°	38.04	11.17	49.21	99.77	-50.55	AVG
0.3710	90°	57.23	10.80	68.03	116.22	-48.19	PK
0.3710	90°	41.11	10.80	51.91	96.22	-44.31	AVG
0.5250	90°	33.23	10.82	44.05	73.20	-29.15	QP
0.5810	90°	34.82	10.86	45.68	72.32	-26.64	QP
0.7550	90°	31.02	11.00	42.02	70.05	-28.02	QP
1.1260	90°	31.68	11.23	42.91	66.57	-23.66	QP

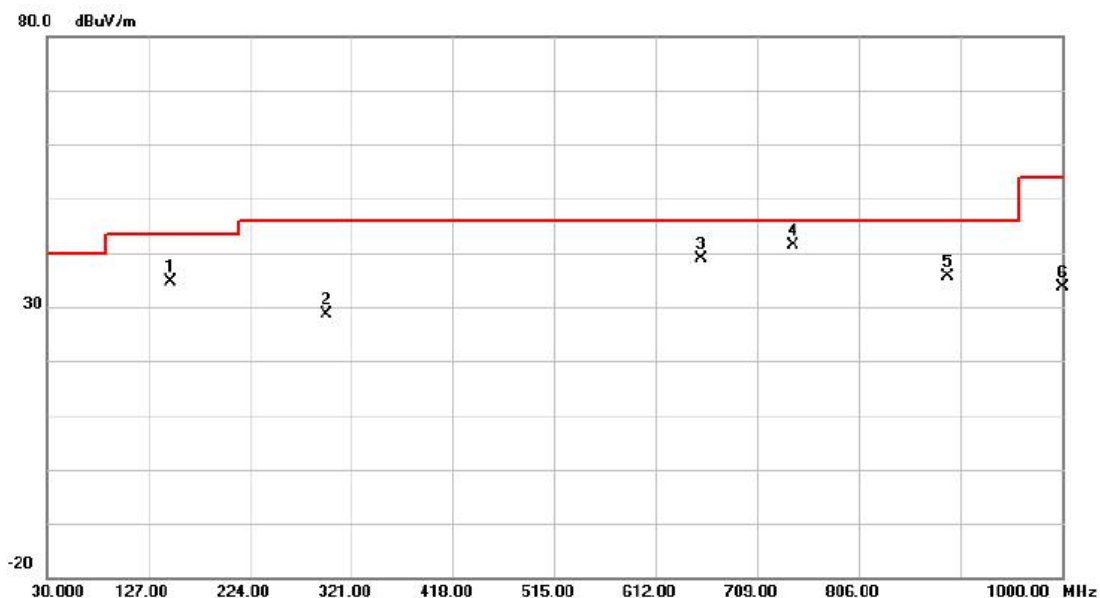
Remark:

- (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 06

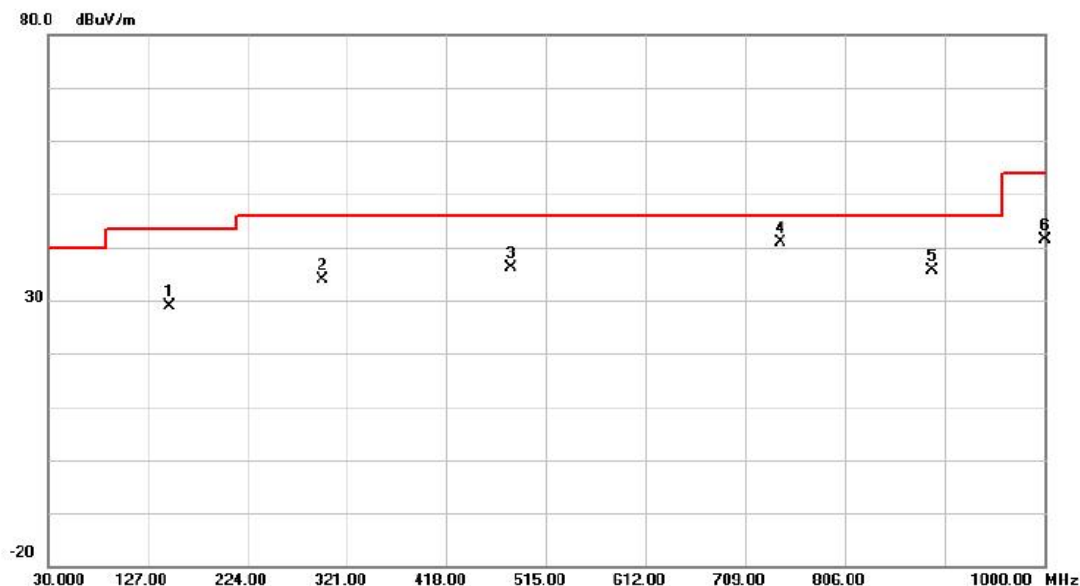
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		148.8250	48.81	-14.09	34.72	43.50	-8.78	peak	
2		296.7500	42.16	-13.57	28.59	46.00	-17.41	peak	
3		655.6500	45.55	-6.74	38.81	46.00	-7.19	peak	
4	*	742.9500	46.34	-5.07	41.27	46.00	-4.73	peak	
5		890.8750	38.61	-3.01	35.60	46.00	-10.40	peak	
6		1000.000	35.01	-1.28	33.73	54.00	-20.27	peak	

Test Mode: TX B MODE CHANNEL 06

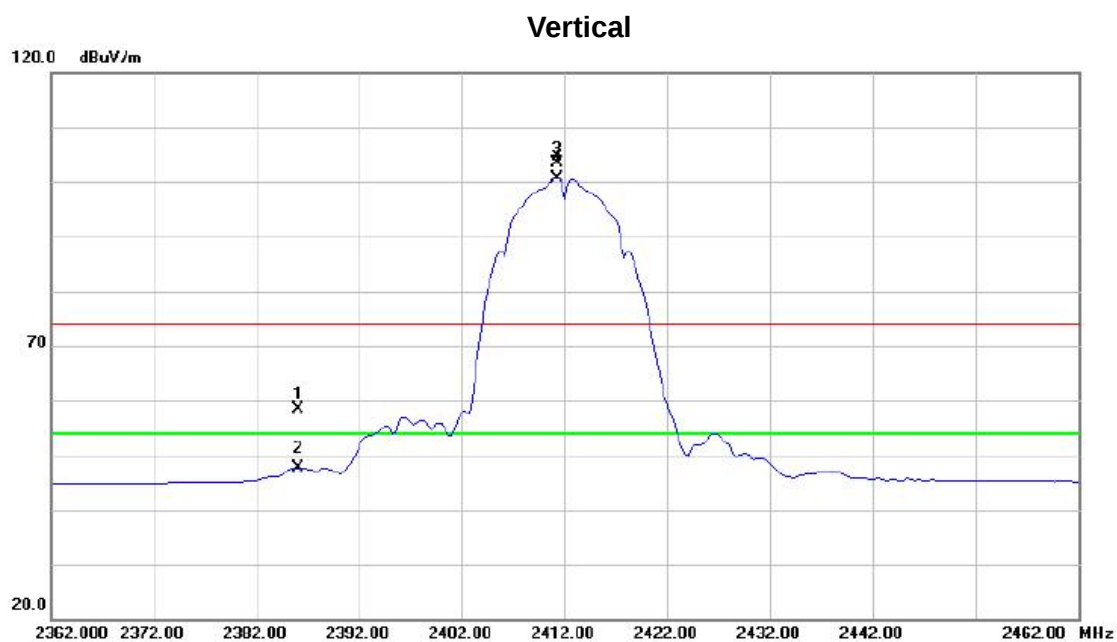
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		148.8250	43.07	-14.09	28.98	43.50	-14.52	peak	
2		296.7500	47.33	-13.57	33.76	46.00	-12.24	peak	
3		481.0500	45.52	-9.44	36.08	46.00	-9.92	peak	
4	*	742.9500	45.95	-5.07	40.88	46.00	-5.12	peak	
5		890.8750	38.70	-3.01	35.69	46.00	-10.31	peak	
6		1000.000	42.76	-1.28	41.48	54.00	-12.52	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

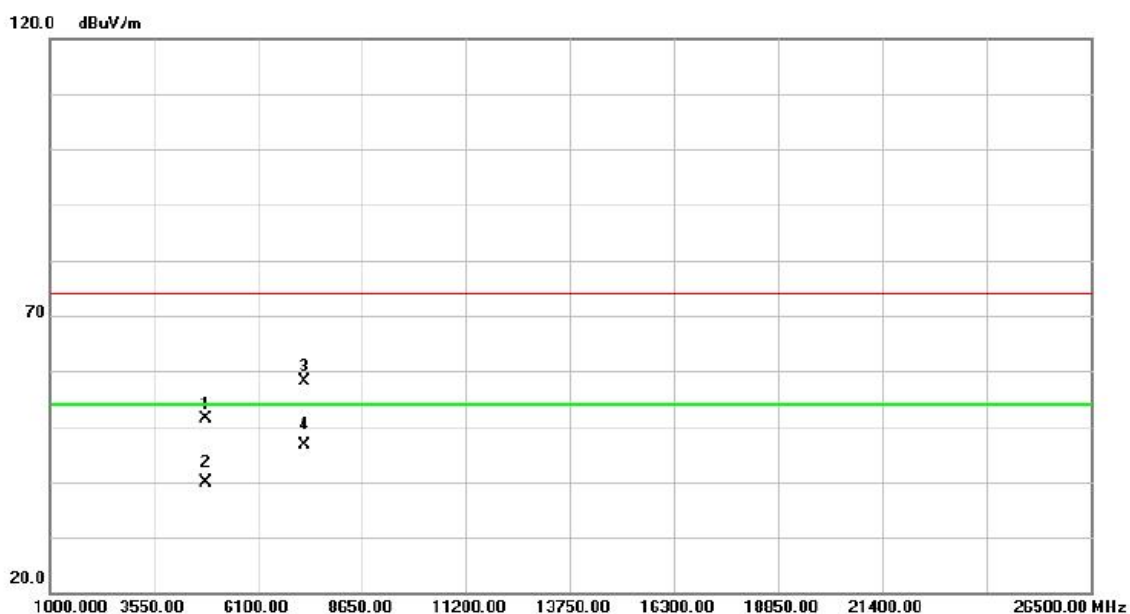
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2386.000	27.50	31.00	58.50	74.00	-15.50	peak	
2		2386.000	16.65	31.00	47.65	54.00	-6.35	AVG	
3	X	2411.250	72.20	31.12	103.32	74.00	29.32	peak	No Limit
4	*	2411.250	69.48	31.12	100.60	54.00	46.60	AVG	No Limit

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

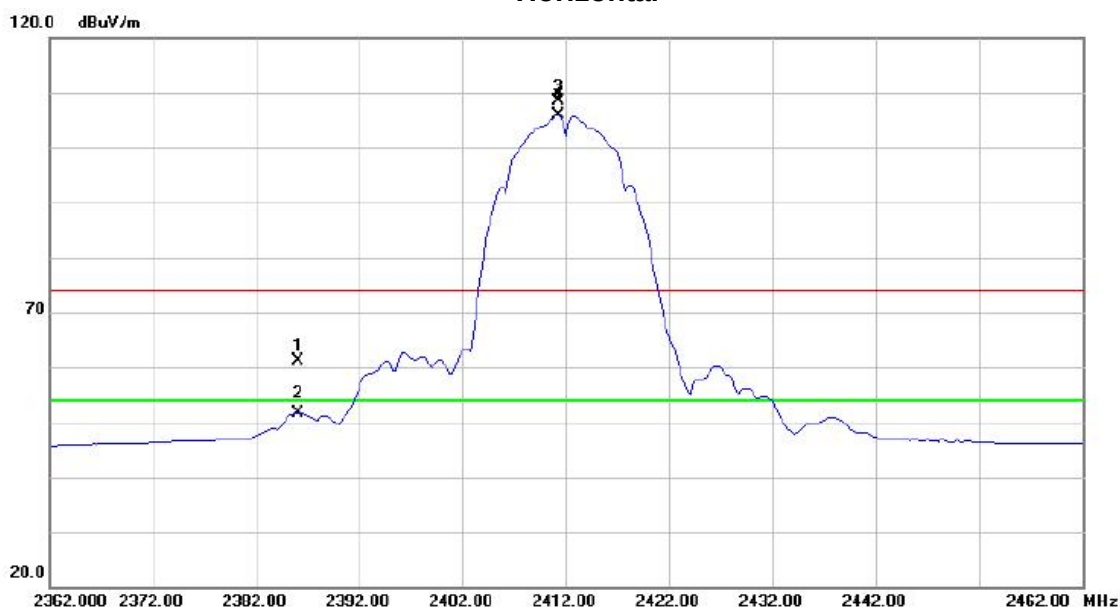
Vertical



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824.000	43.93	7.39	51.32	74.00	-22.68	peak	
2	4824.000	32.59	7.39	39.98	54.00	-14.02	AVG	
3	7236.075	43.19	14.87	58.06	74.00	-15.94	peak	
4 *	7236.075	31.70	14.87	46.57	54.00	-7.43	AVG	

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

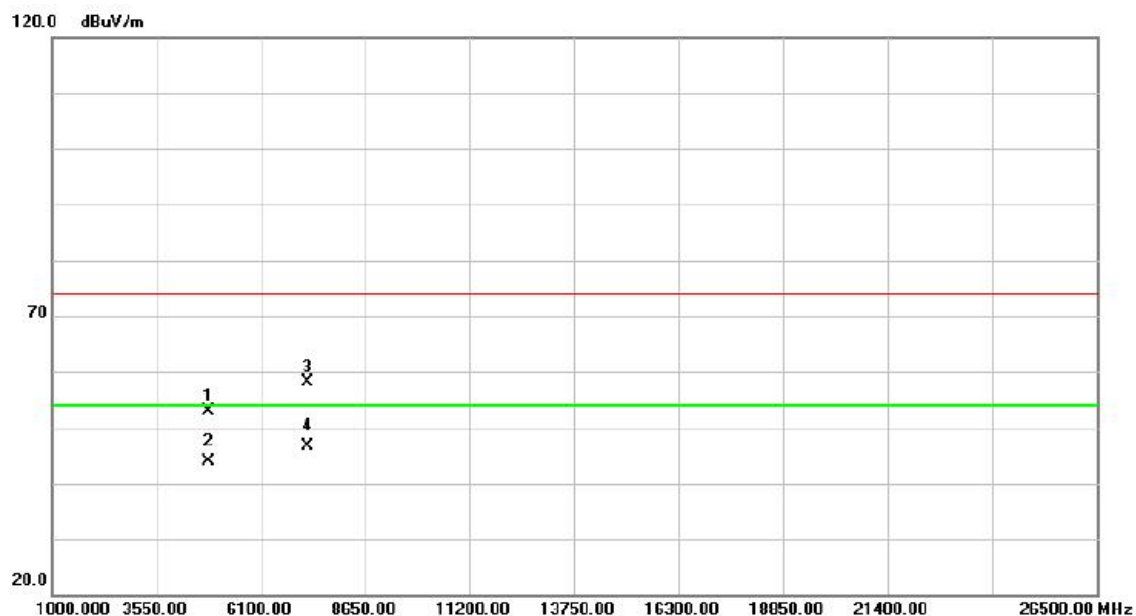
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2386.000	30.20	31.00	61.20	74.00	-12.80	peak	
2		2386.000	20.65	31.00	51.65	54.00	-2.35	AVG	
3	X	2411.250	77.30	31.12	108.42	74.00	34.42	peak	No Limit
4	*	2411.250	74.70	31.12	105.82	54.00	51.82	AVG	No Limit

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

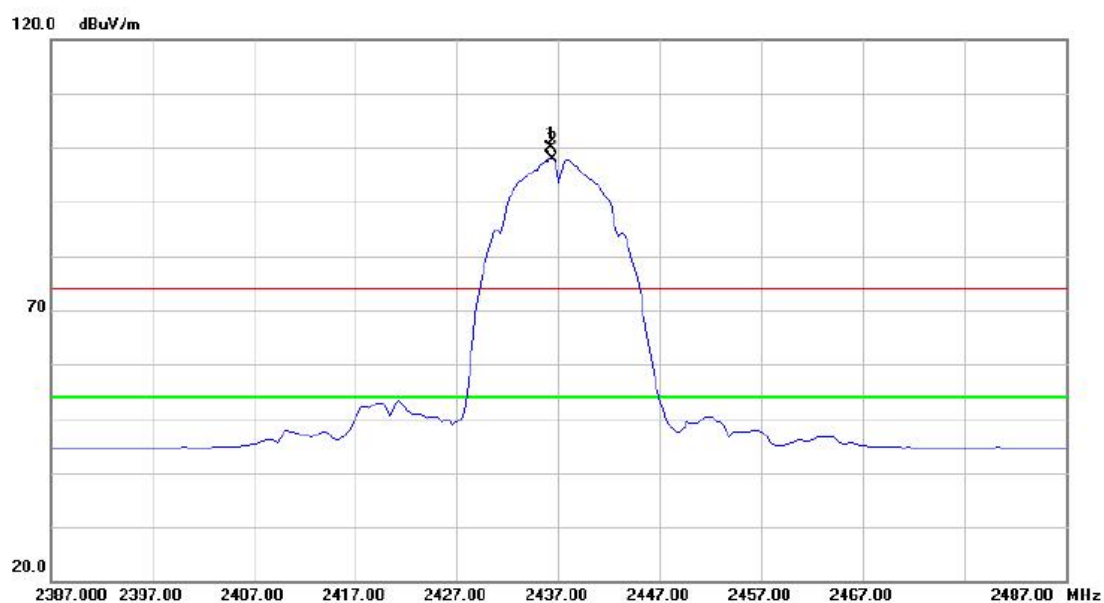
Horizontal



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.995	45.38	7.39	52.77	74.00	-21.23	peak	
2	4823.995	36.37	7.39	43.76	54.00	-10.24	AVG	
3	7236.075	43.15	14.87	58.02	74.00	-15.98	peak	
4 *	7236.075	31.67	14.87	46.54	54.00	-7.46	AVG	

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

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2436.250	68.53	31.24	99.77	74.00	25.77	peak	No Limit
2	*	2436.250	66.61	31.24	97.85	54.00	43.85	AVG	No Limit

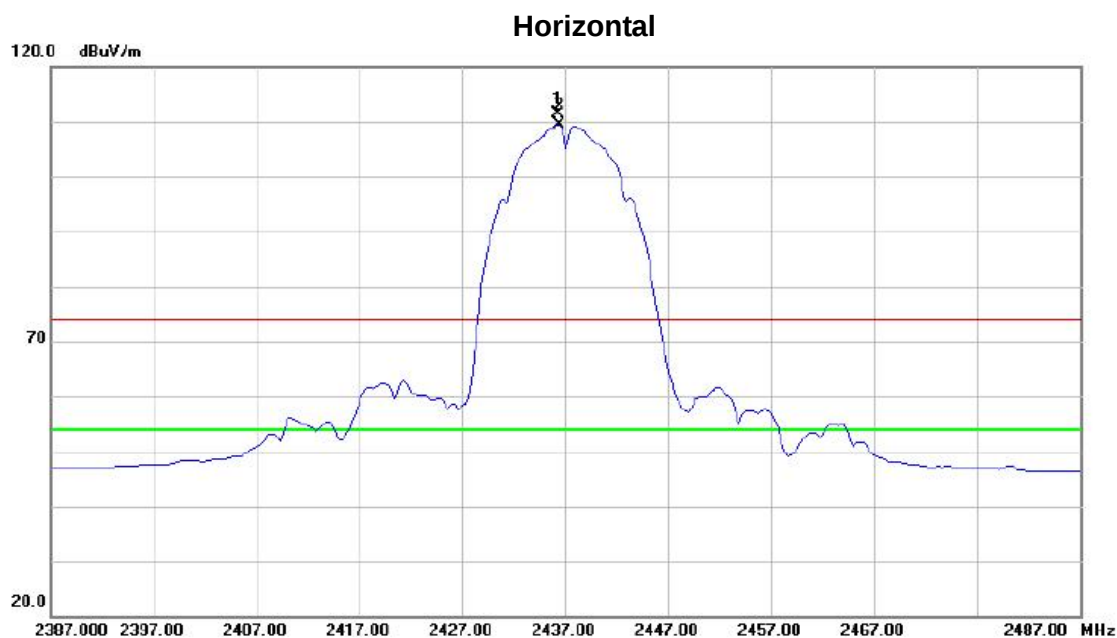
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4873.965	43.62	7.47	51.09	74.00	-22.91	peak	
2		4873.965	36.11	7.47	43.58	54.00	-10.42	AVG	
3		7311.060	42.03	15.18	57.21	74.00	-16.79	peak	
4	*	7311.060	31.16	15.18	46.34	54.00	-7.66	AVG	

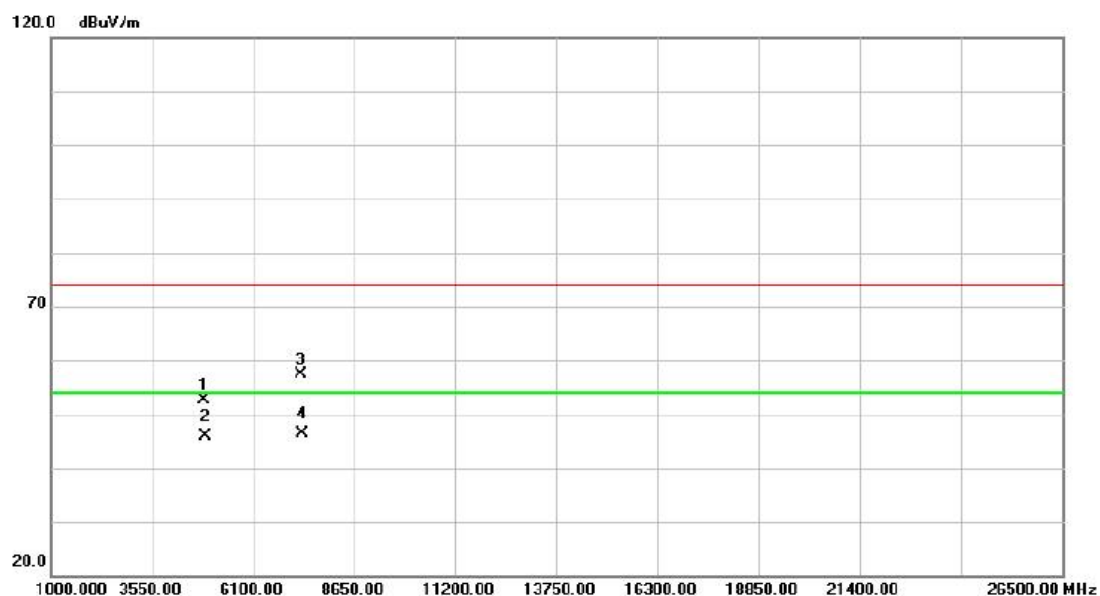
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2436.250	80.03	31.24	111.27	74.00	37.27	peak	No Limit
2	*	2436.250	78.17	31.24	109.41	54.00	55.41	AVG	No Limit

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

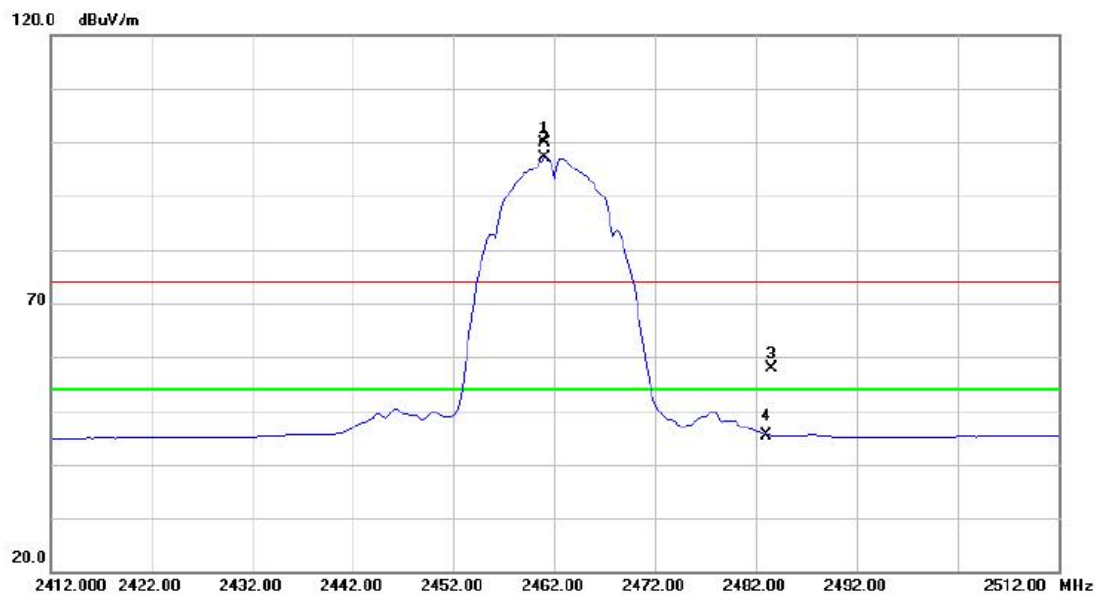
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4873.985	45.21	7.47	52.68	74.00	-21.32	peak	
2		4873.985	38.53	7.47	46.00	54.00	-8.00	AVG	
3		7311.163	42.15	15.18	57.33	74.00	-16.67	peak	
4	*	7311.163	31.17	15.18	46.35	54.00	-7.65	AVG	

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

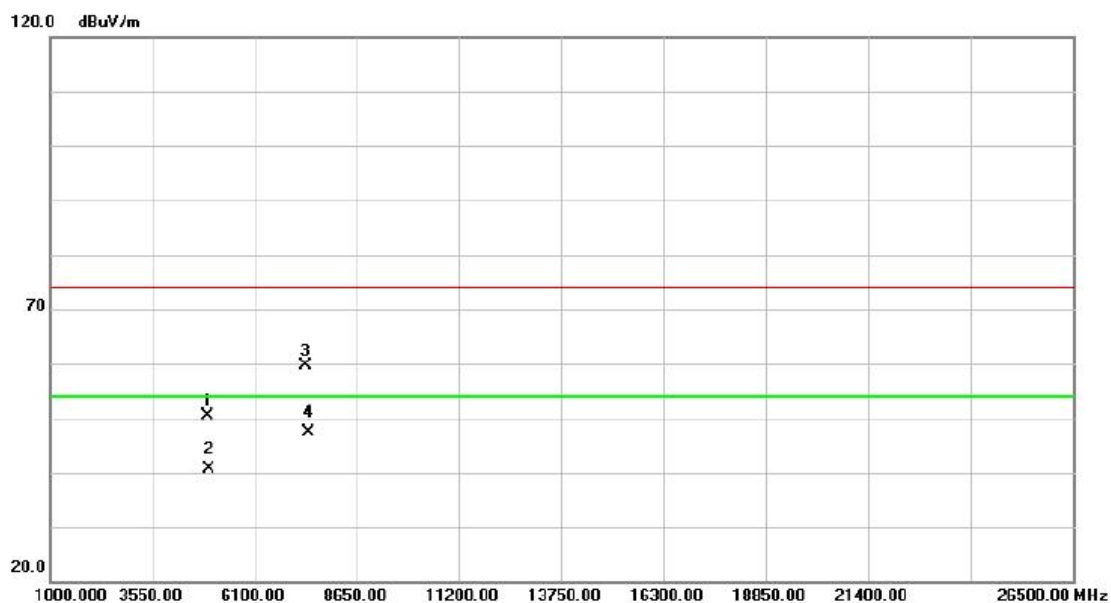
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2461.000	68.48	31.36	99.84	74.00	25.84	peak	No Limit
2	*	2461.000	65.71	31.36	97.07	54.00	43.07	AVG	No Limit
3		2483.500	26.48	31.46	57.94	74.00	-16.06	peak	
4		2483.500	13.99	31.46	45.45	54.00	-8.55	AVG	

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

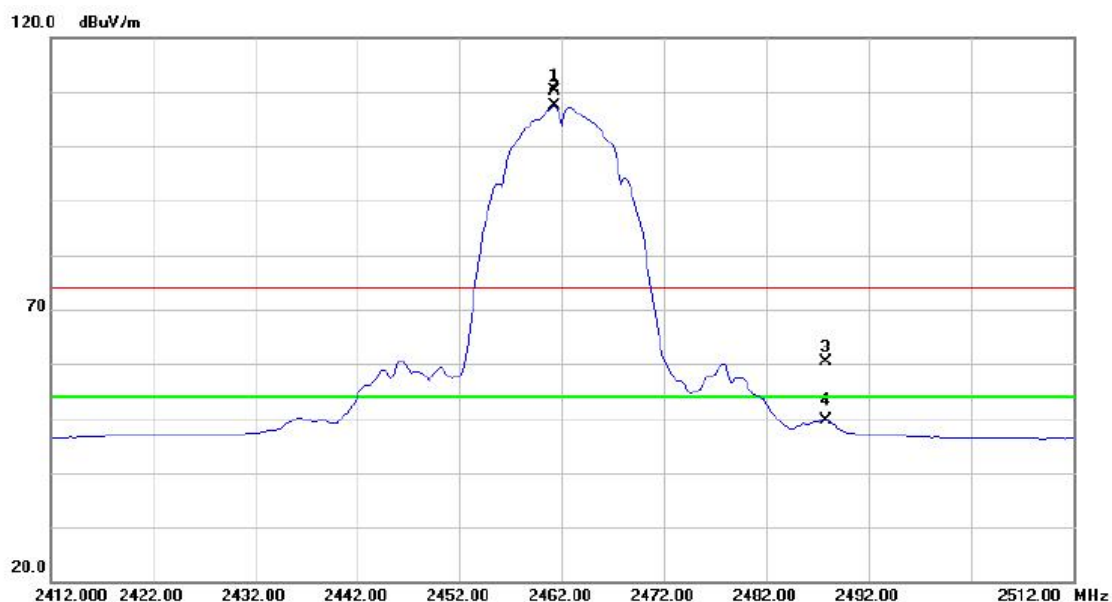
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.910	42.82	7.53	50.35	74.00	-23.65	peak	
2		4923.910	33.04	7.53	40.57	54.00	-13.43	AVG	
3		7385.895	44.18	15.50	59.68	74.00	-14.32	peak	
4	*	7385.895	31.92	15.50	47.42	54.00	-6.58	AVG	

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

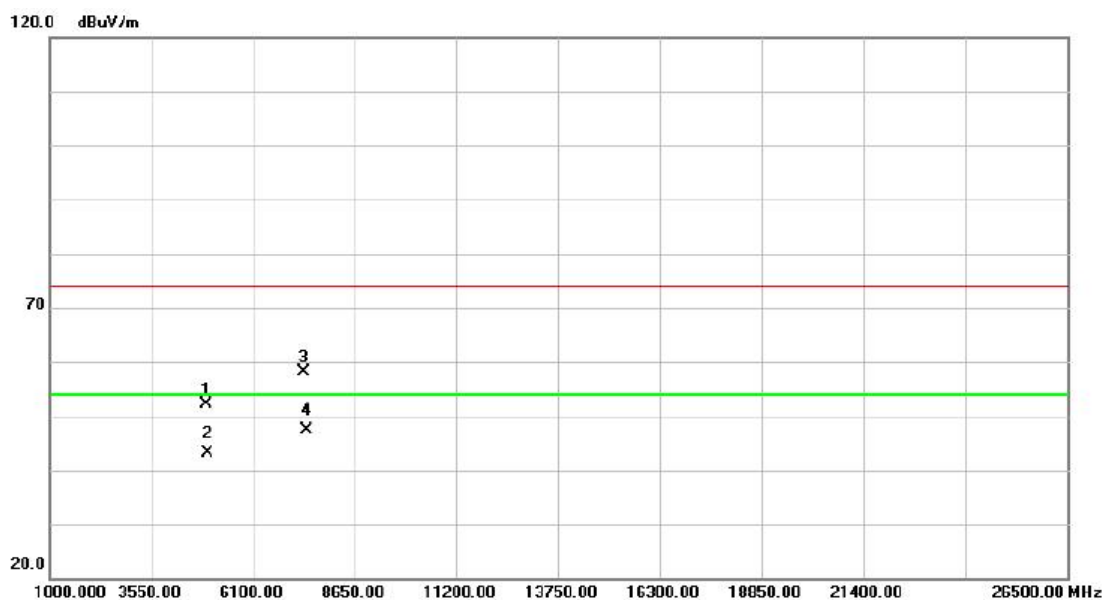
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2461.250	78.70	31.36	110.06	74.00	36.06	peak	No Limit
2	*	2461.250	75.93	31.36	107.29	54.00	53.29	AVG	No Limit
3		2487.750	28.88	31.48	60.36	74.00	-13.64	peak	
4		2487.750	18.12	31.48	49.60	54.00	-4.40	AVG	

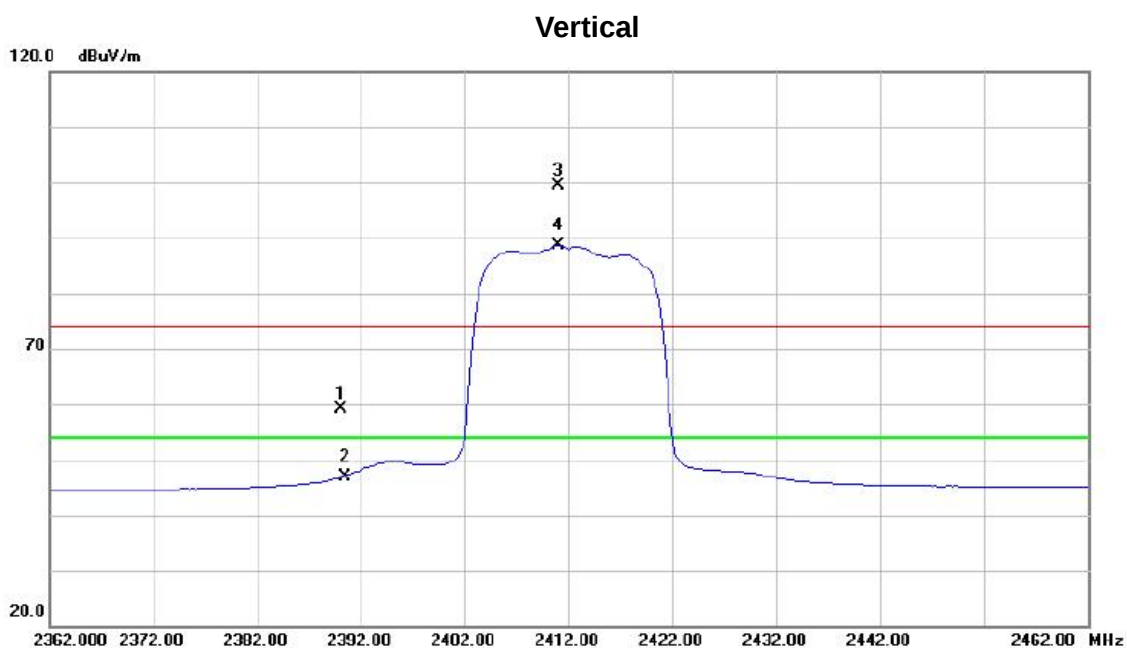
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4924.005	44.69	7.53	52.22	74.00	-21.78	peak	
2		4924.005	35.49	7.53	43.02	54.00	-10.98	AVG	
3		7385.895	42.62	15.50	58.12	74.00	-15.88	peak	
4	*	7385.895	31.94	15.50	47.44	54.00	-6.56	AVG	

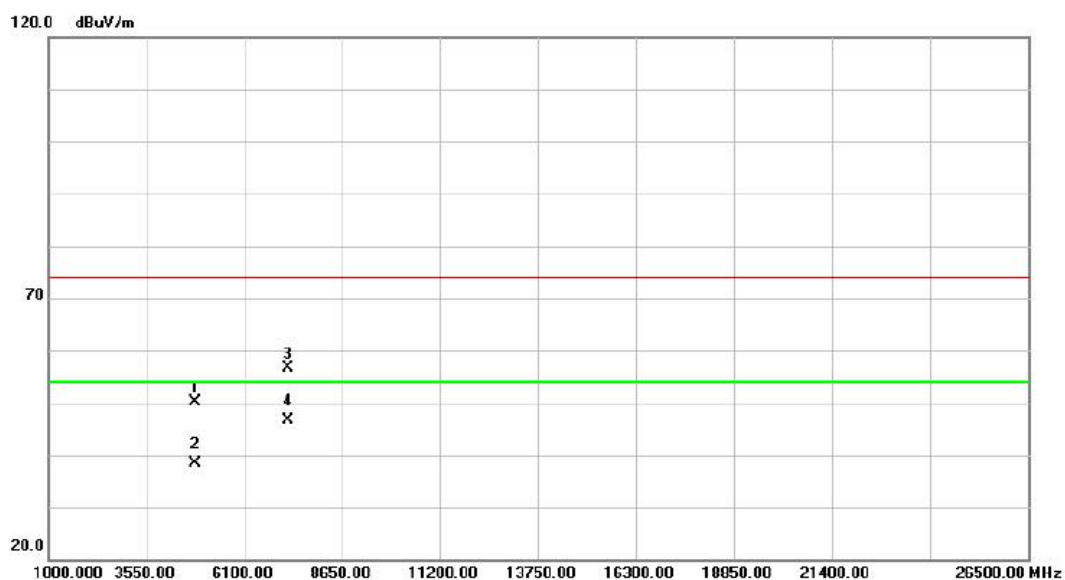
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	28.16	31.02	59.18	74.00	-14.82	peak	
2		2390.000	15.81	31.02	46.83	54.00	-7.17	AVG	
3	X	2411.000	68.20	31.12	99.32	74.00	25.32	peak	No Limit
4	*	2411.000	57.46	31.12	88.58	54.00	34.58	AVG	No Limit

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

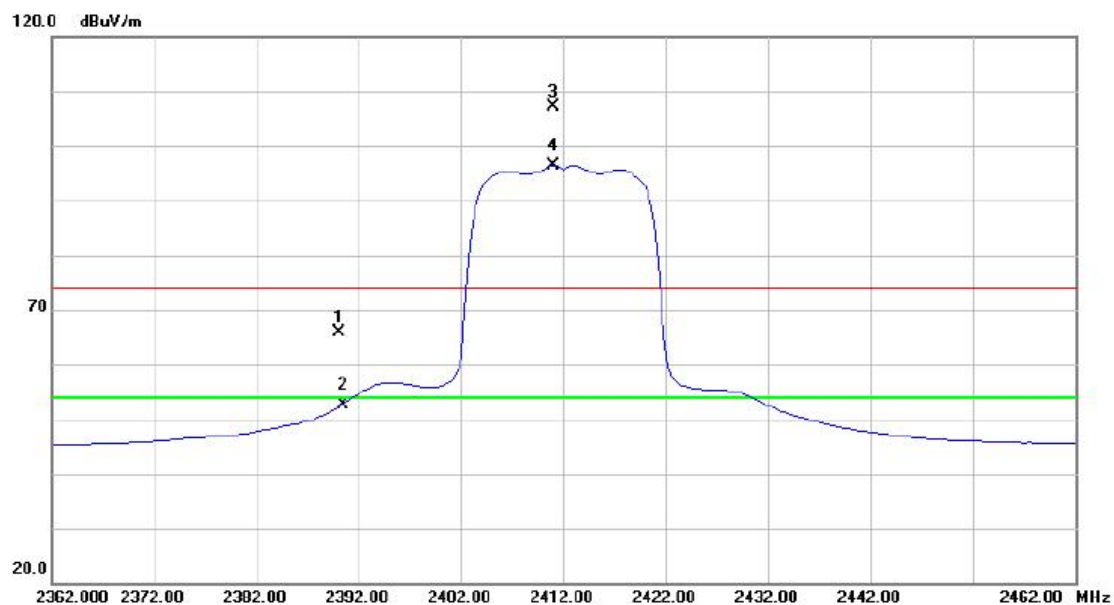
Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4824.075	42.79	7.39	50.18	74.00	-23.82	peak	
2	4824.075	31.10	7.39	38.49	54.00	-15.51	AVG	
3	7236.160	41.80	14.87	56.67	74.00	-17.33	peak	
4 *	7236.160	31.64	14.87	46.51	54.00	-7.49	AVG	

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

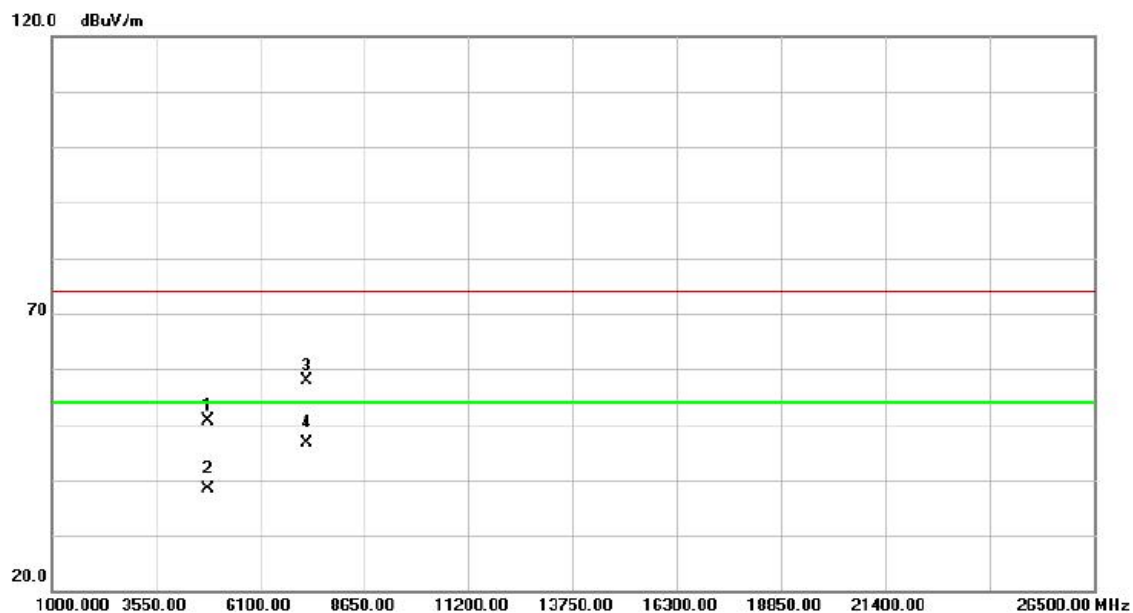
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	34.90	31.02	65.92	74.00	-8.08	peak	
2		2390.000	21.50	31.02	52.52	54.00	-1.48	AVG	
3	X	2411.000	76.06	31.12	107.18	74.00	33.18	peak	No Limit
4	*	2411.000	65.20	31.12	96.32	54.00	42.32	AVG	No Limit

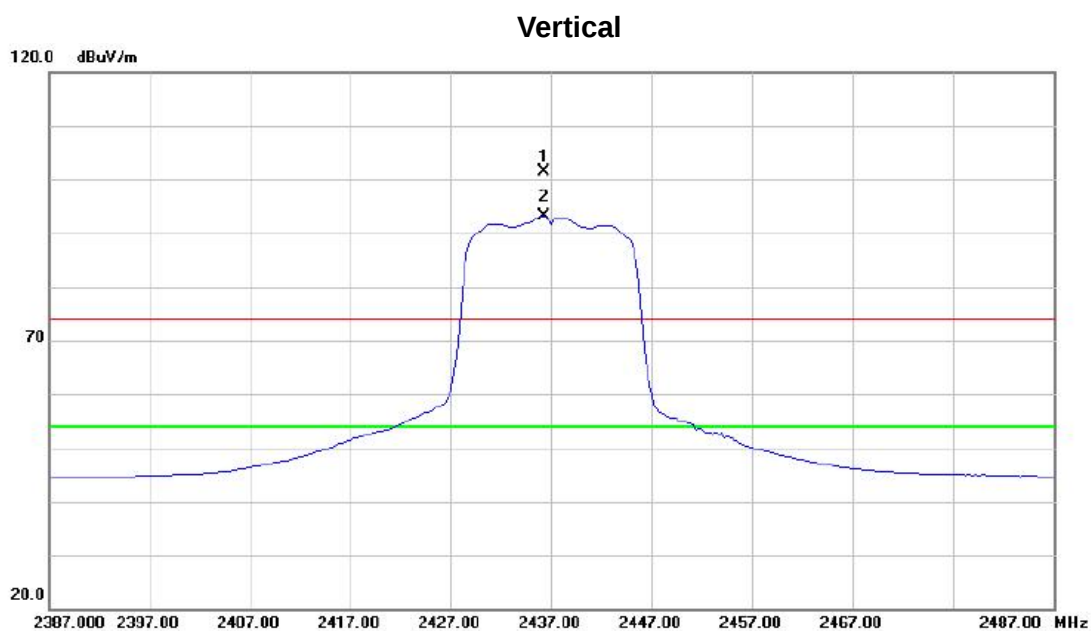
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.075	43.23	7.39	50.62	74.00	-23.38	peak	
2		4824.075	31.02	7.39	38.41	54.00	-15.59	AVG	
3		7235.980	42.99	14.87	57.86	74.00	-16.14	peak	
4	*	7235.980	31.69	14.87	46.56	54.00	-7.44	AVG	

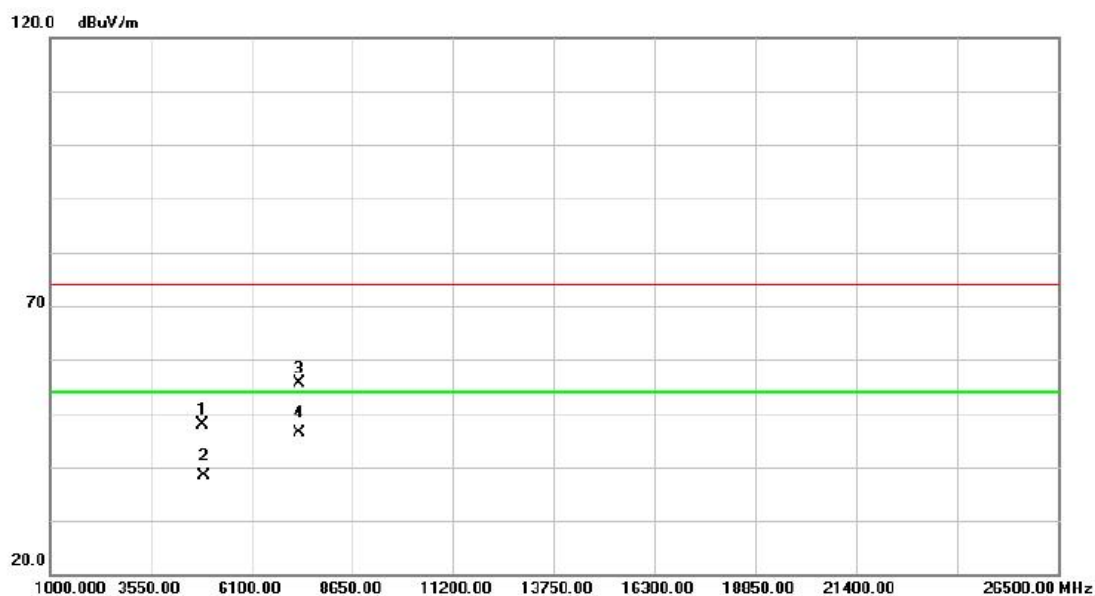
Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2436.250	70.08	31.24	101.32	74.00	27.32	peak	No Limit
2	*	2436.250	61.84	31.24	93.08	54.00	39.08	AVG	No Limit

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

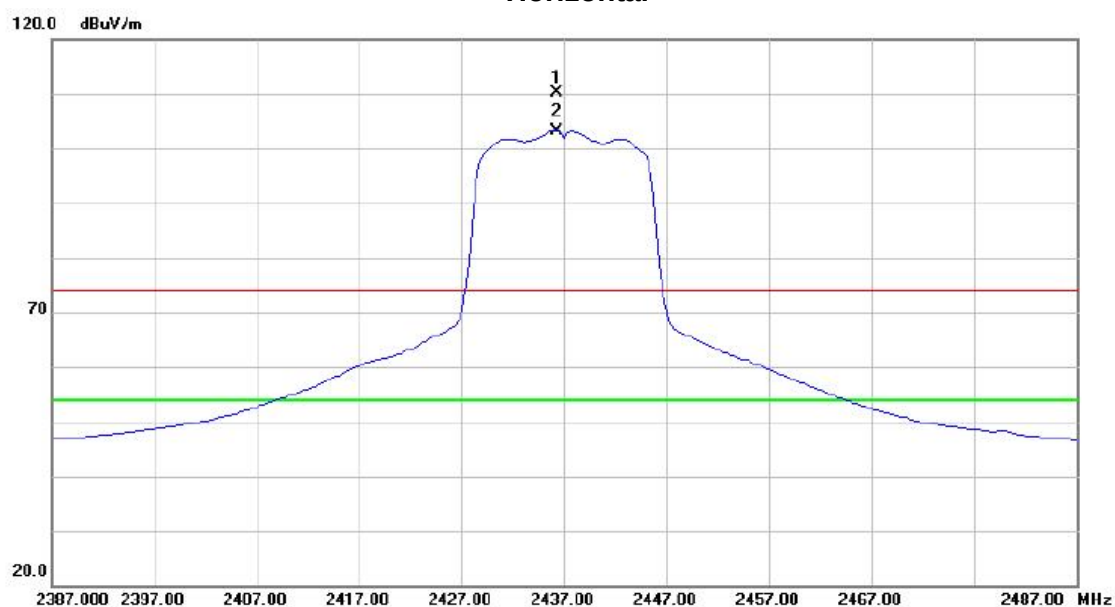
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.205	40.50	7.47	47.97	74.00	-26.03	peak	
2		4874.205	30.93	7.47	38.40	54.00	-15.60	AVG	
3		7311.075	40.36	15.18	55.54	74.00	-18.46	peak	
4	*	7311.075	31.17	15.18	46.35	54.00	-7.65	AVG	

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

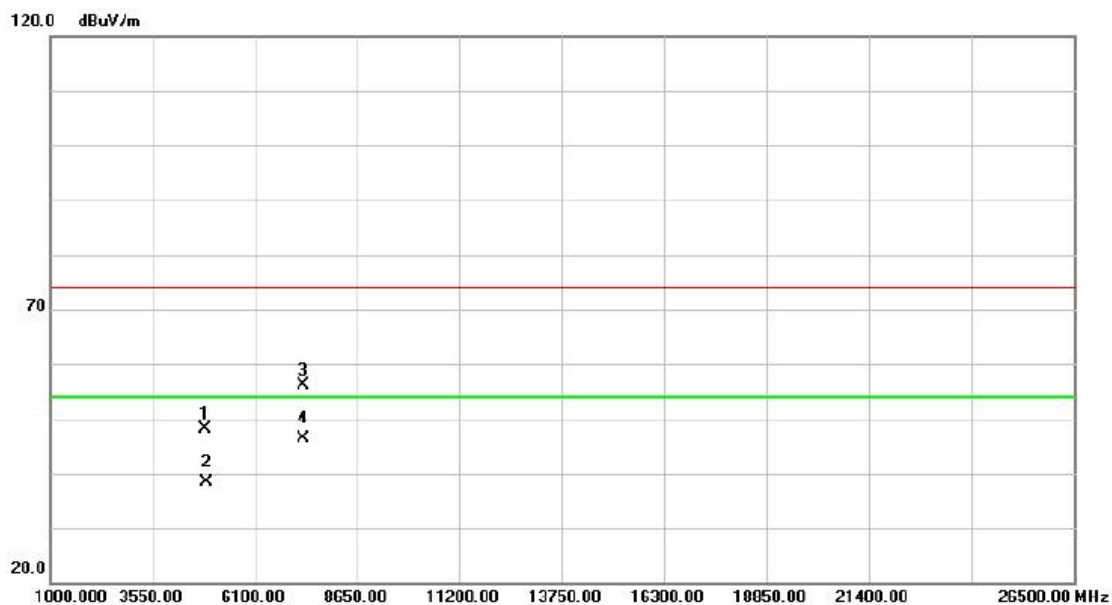
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2436.250	78.80	31.24	110.04	74.00	36.04	peak	No Limit
2	*	2436.250	71.92	31.24	103.16	54.00	49.16	AVG	No Limit

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

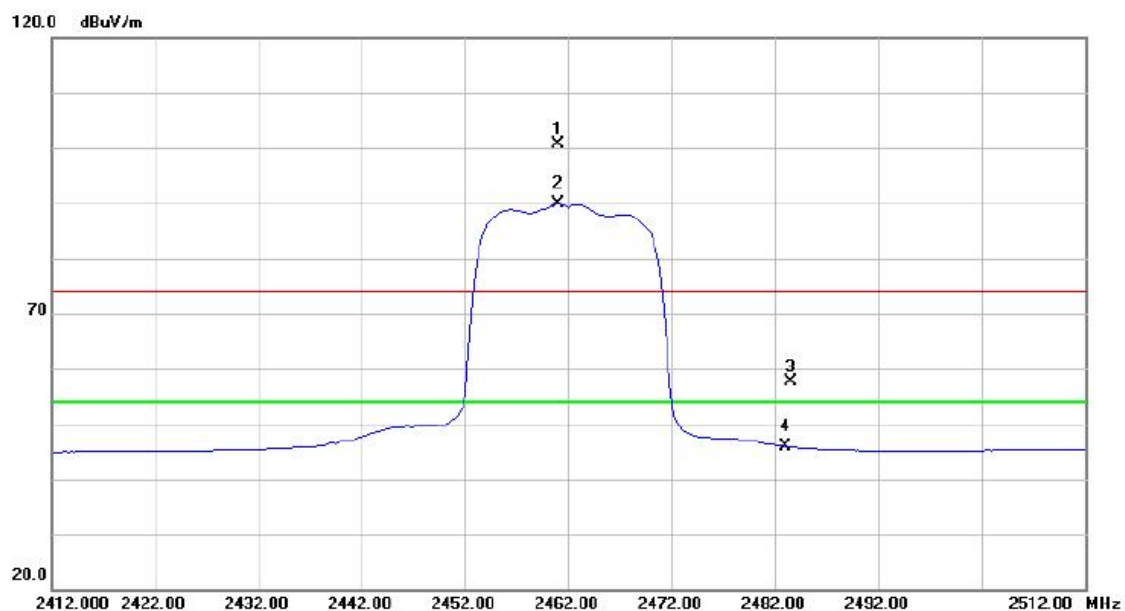
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.975	40.71	7.47	48.18	74.00	-25.82	peak	
2		4873.975	30.89	7.47	38.36	54.00	-15.64	AVG	
3		7311.075	40.96	15.18	56.14	74.00	-17.86	peak	
4	*	7311.075	31.16	15.18	46.34	54.00	-7.66	AVG	

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

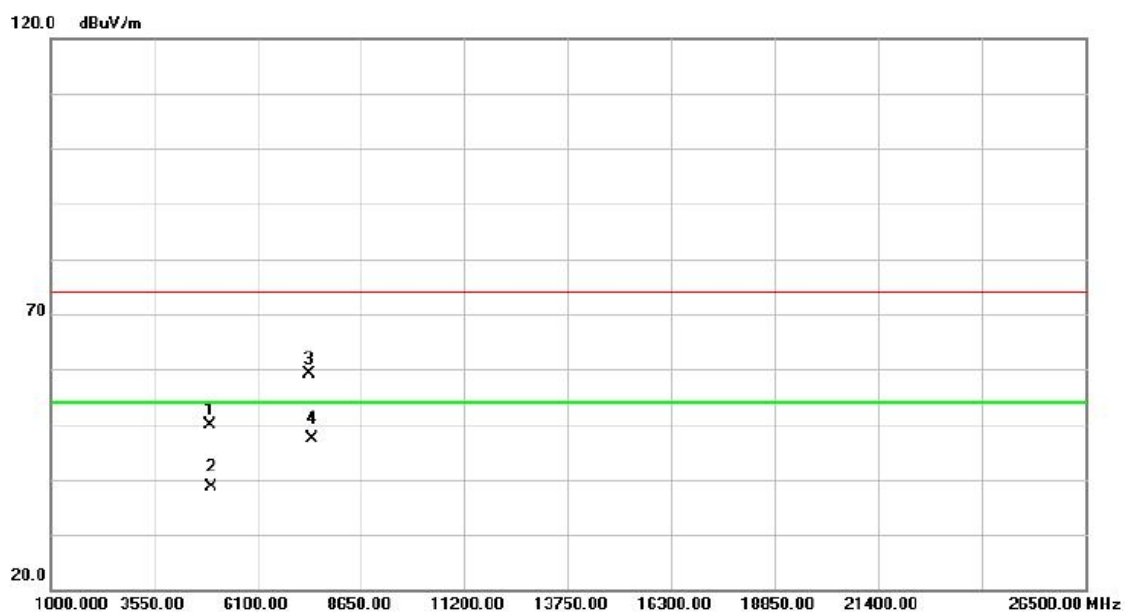
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2461.000	69.20	31.36	100.56	74.00	26.56	peak	No Limit
2	*	2461.000	58.43	31.36	89.79	54.00	35.79	AVG	No Limit
3		2483.500	26.23	31.46	57.69	74.00	-16.31	peak	
4		2483.500	14.37	31.46	45.83	54.00	-8.17	AVG	

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

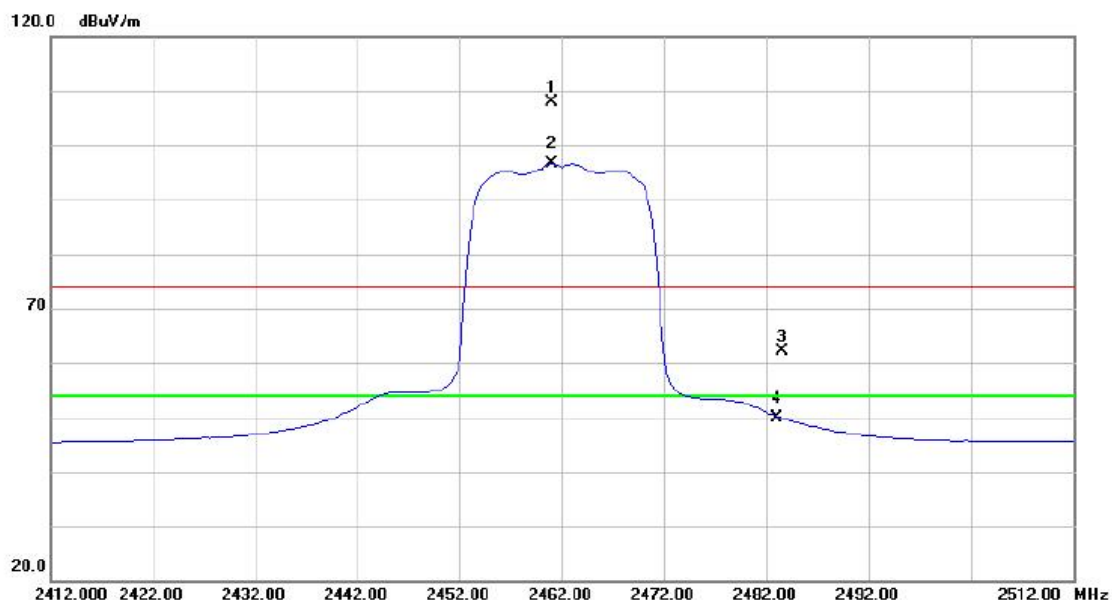
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.990	42.26	7.53	49.79	74.00	-24.21	peak	
2		4923.990	31.22	7.53	38.75	54.00	-15.25	AVG	
3		7385.970	43.63	15.50	59.13	74.00	-14.87	peak	
4	*	7385.970	31.98	15.50	47.48	54.00	-6.52	AVG	

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

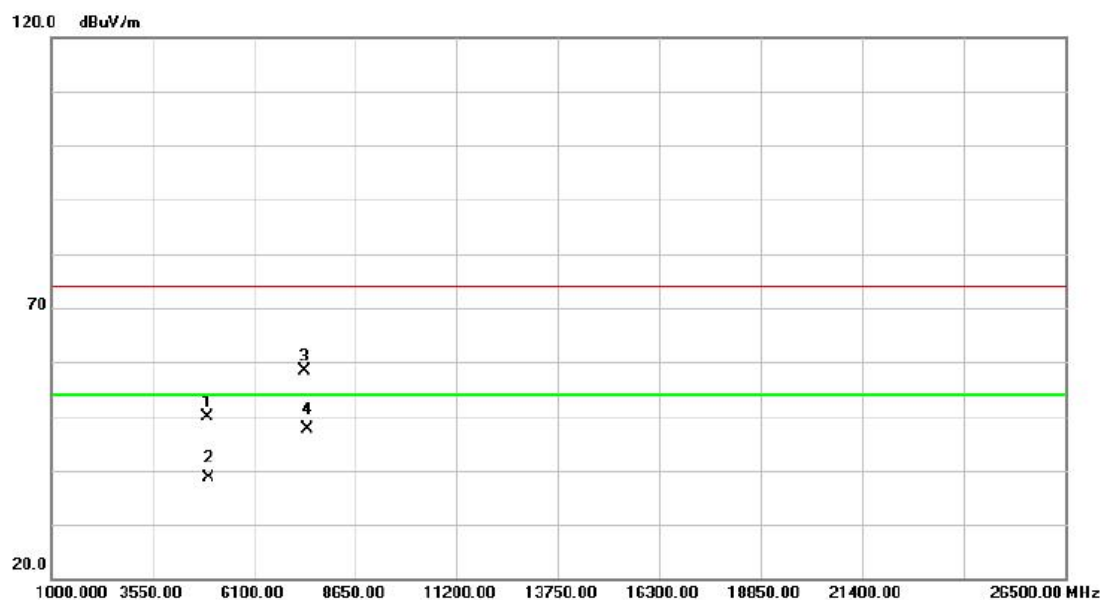
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2461.000	76.50	31.36	107.86	74.00	33.86	peak	No Limit
2	*	2461.000	65.16	31.36	96.52	54.00	42.52	AVG	No Limit
3		2483.500	30.70	31.46	62.16	74.00	-11.84	peak	
4		2483.500	18.42	31.46	49.88	54.00	-4.12	AVG	

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

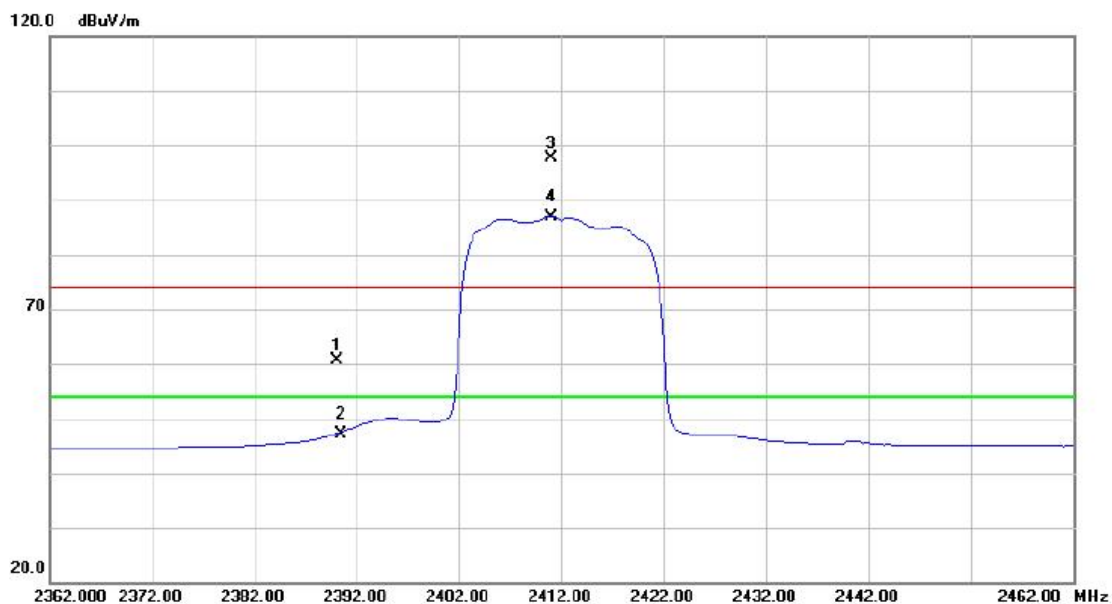
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.675	42.24	7.53	49.77	74.00	-24.23	peak	
2		4923.675	31.13	7.53	38.66	54.00	-15.34	AVG	
3		7386.095	42.86	15.50	58.36	74.00	-15.64	peak	
4	*	7386.095	32.01	15.50	47.51	54.00	-6.49	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2412MHz

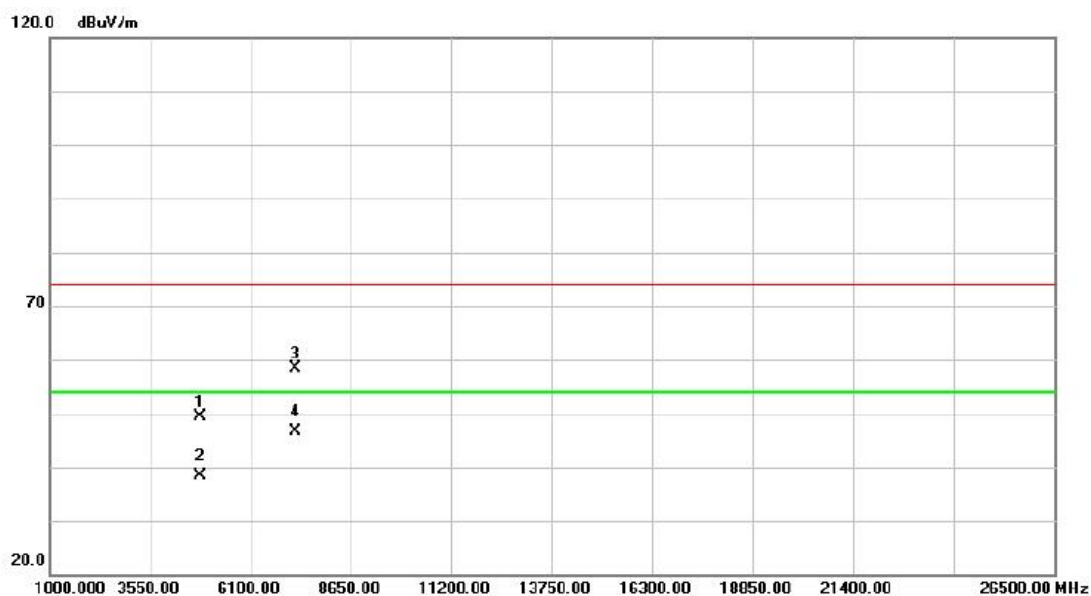
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	29.70	31.02	60.72	74.00	-13.28	peak	
2		2390.000	16.23	31.02	47.25	54.00	-6.75	AVG	
3	X	2411.000	66.40	31.12	97.52	74.00	23.52	peak	No Limit
4	*	2411.000	55.84	31.12	86.96	54.00	32.96	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2412MHz

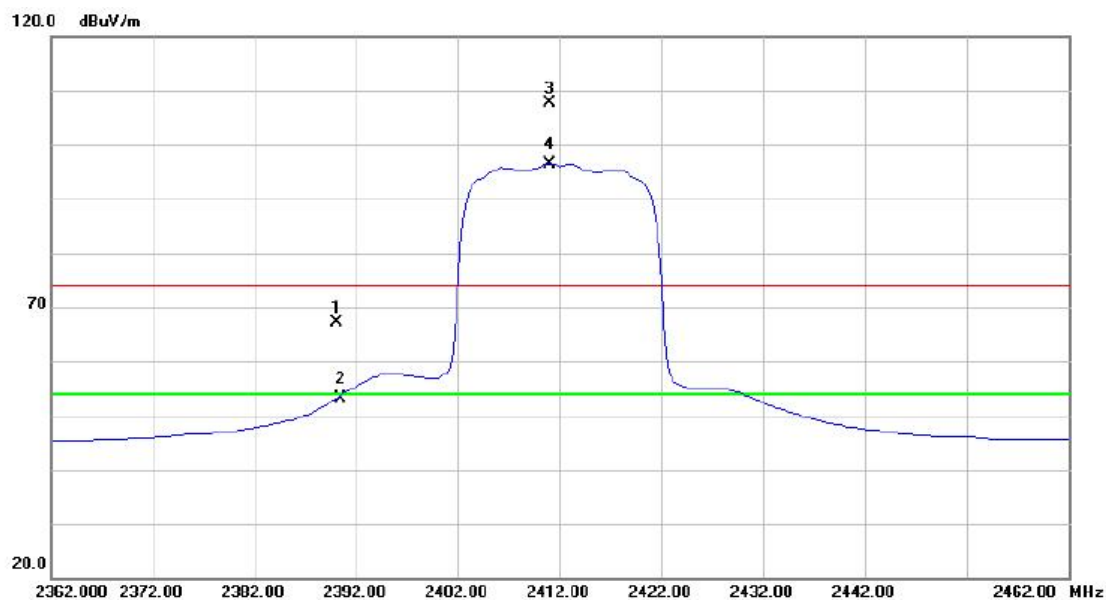
Vertical



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824.425	41.89	7.39	49.28	74.00	-24.72	peak	
2	4824.425	30.91	7.39	38.30	54.00	-15.70	AVG	
3	7236.188	43.63	14.87	58.50	74.00	-15.50	peak	
4 *	7236.188	31.79	14.87	46.66	54.00	-7.34	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2412MHz

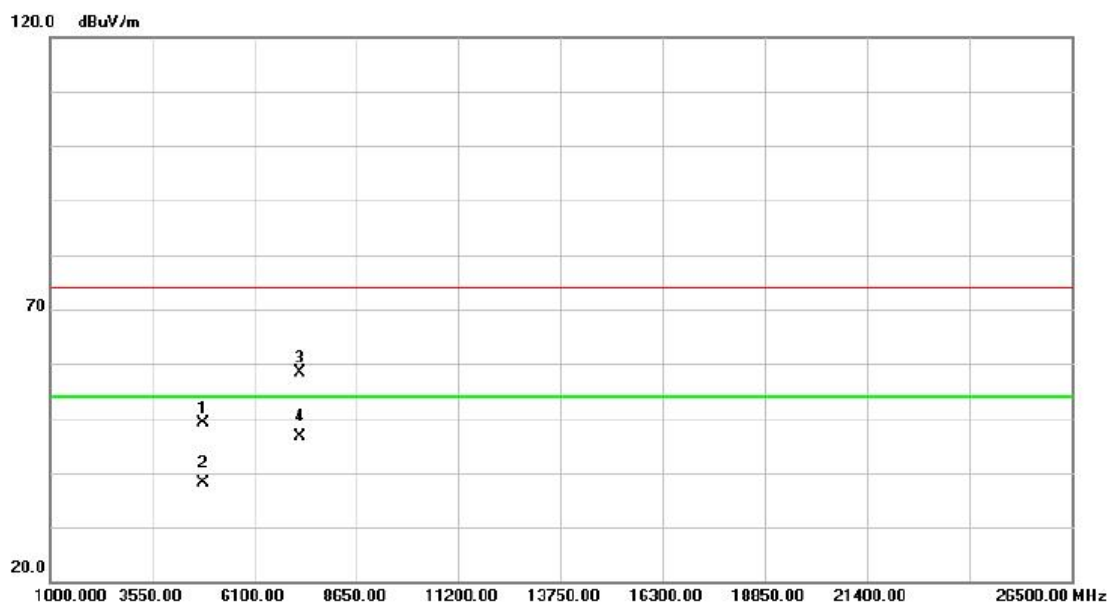
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	36.20	31.02	67.22	74.00	-6.78	peak	
2		2390.000	22.06	31.02	53.08	54.00	-0.92	AVG	
3	X	2411.000	76.40	31.12	107.52	74.00	33.52	peak	No Limit
4	*	2411.000	65.38	31.12	96.50	54.00	42.50	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2412MHz

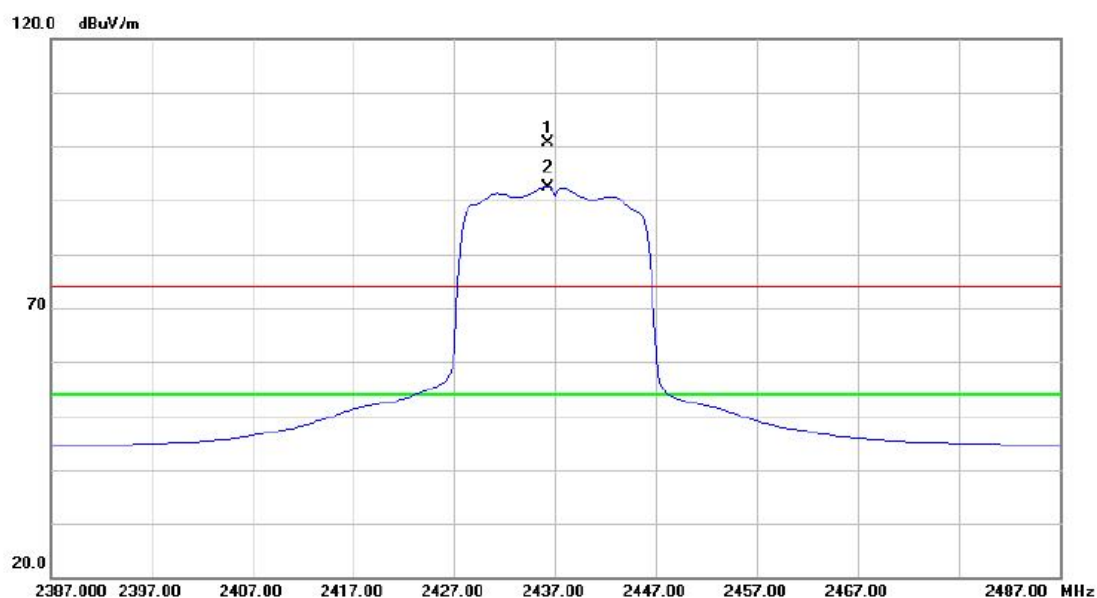
Horizontal



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.910	41.76	7.39	49.15	74.00	-24.85	peak	
2	4823.910	30.84	7.39	38.23	54.00	-15.77	AVG	
3	7236.188	43.60	14.87	58.47	74.00	-15.53	peak	
4 *	7236.188	31.78	14.87	46.65	54.00	-7.35	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2437MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2436.250	69.50	31.24	100.74	74.00	26.74	peak	No Limit
2	*	2436.250	61.03	31.24	92.27	54.00	38.27	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2437MHz

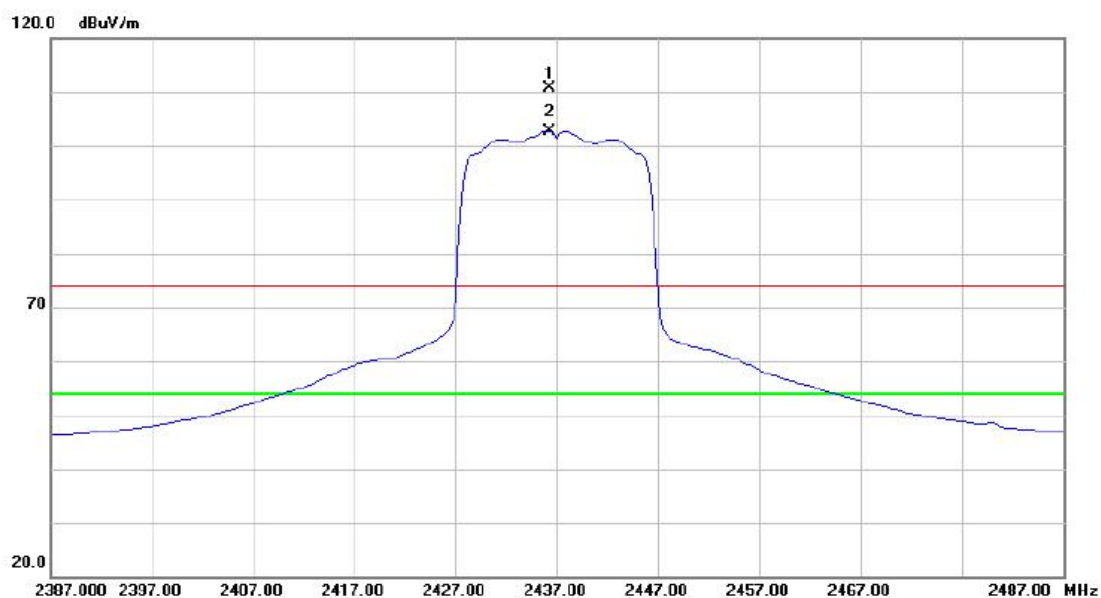
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.038	41.17	7.47	48.64	74.00	-25.36	peak	
2		4874.038	30.63	7.47	38.10	54.00	-15.90	AVG	
3		7311.055	40.95	15.18	56.13	74.00	-17.87	peak	
4	*	7311.055	31.12	15.18	46.30	54.00	-7.70	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2437MHz

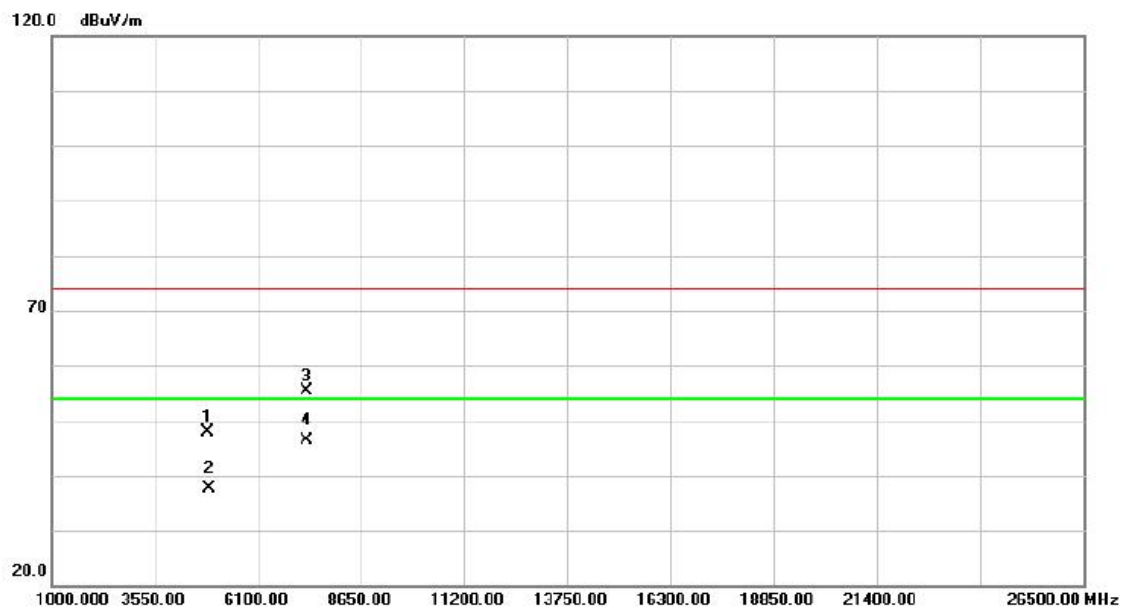
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2436.250	79.40	31.24	110.64	74.00	36.64	peak	No Limit
2	*	2436.250	71.45	31.24	102.69	54.00	48.69	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2437MHz

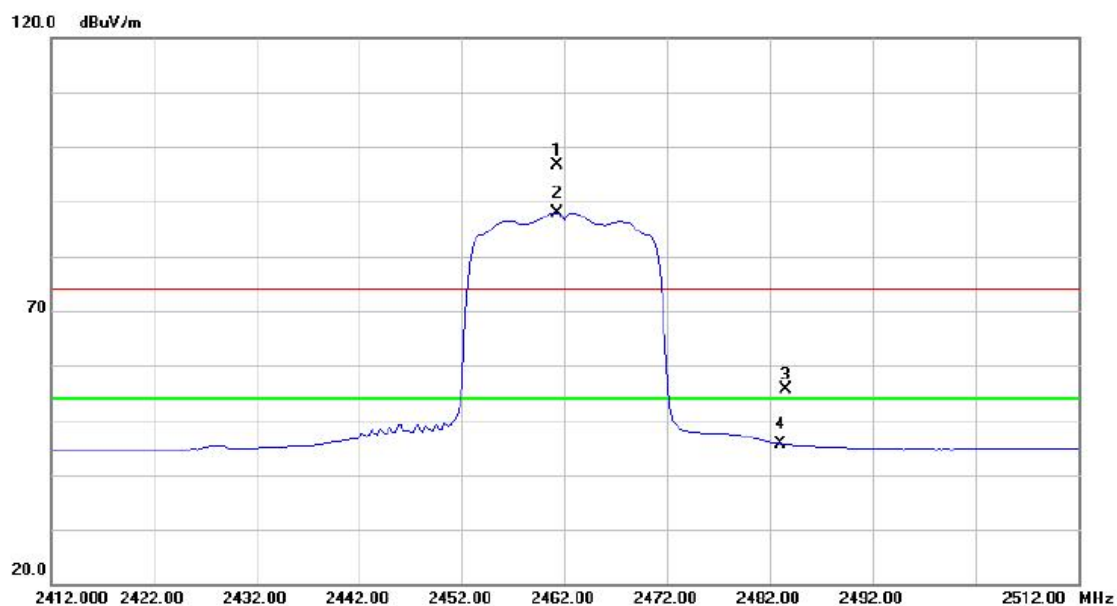
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4874.125	40.29	7.47	47.76	74.00	-26.24	peak	
2		4874.125	30.16	7.47	37.63	54.00	-16.37	AVG	
3		7311.055	40.21	15.18	55.39	74.00	-18.61	peak	
4	*	7311.055	31.21	15.18	46.39	54.00	-7.61	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2462MHz

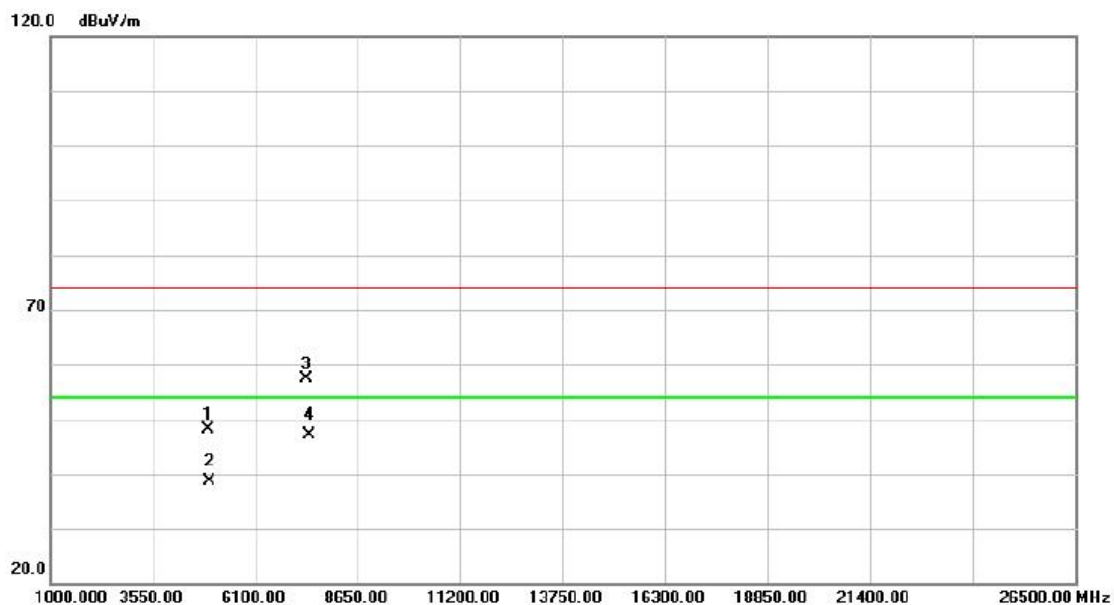
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2461.250	65.20	31.36	96.56	74.00	22.56	peak	No Limit
2	*	2461.250	56.64	31.36	88.00	54.00	34.00	AVG	No Limit
3		2483.500	24.22	31.46	55.68	74.00	-18.32	peak	
4		2483.500	14.21	31.46	45.67	54.00	-8.33	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2462MHz

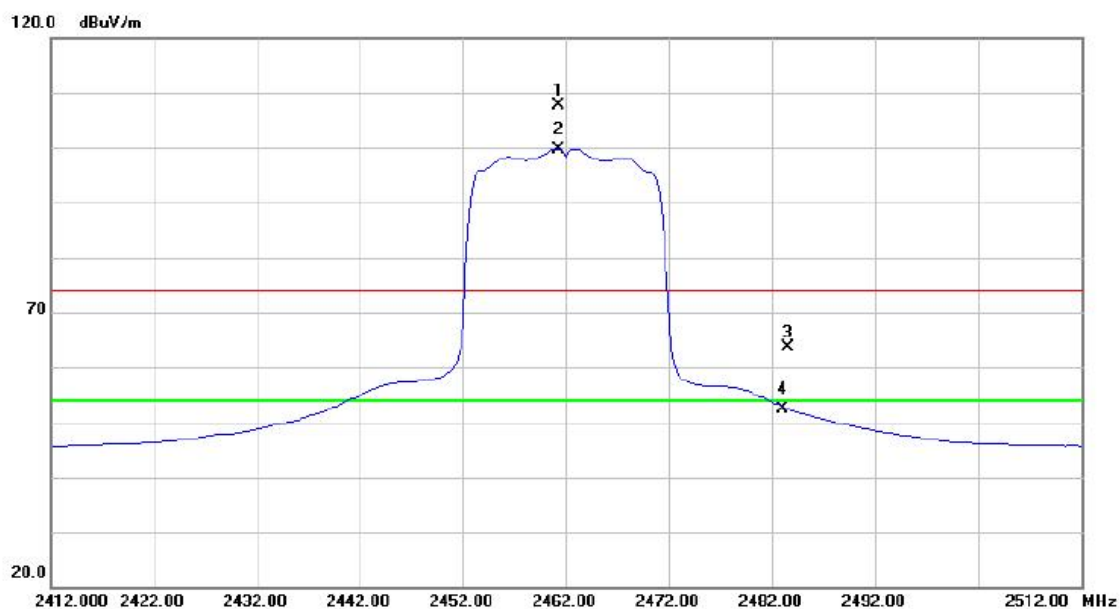
Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		4923.850	40.51	7.53	48.04	74.00	-25.96	peak	
2		4923.850	31.15	7.53	38.68	54.00	-15.32	AVG	
3		7386.135	41.88	15.50	57.38	74.00	-16.62	peak	
4	*	7386.135	31.61	15.50	47.11	54.00	-6.89	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2462MHz

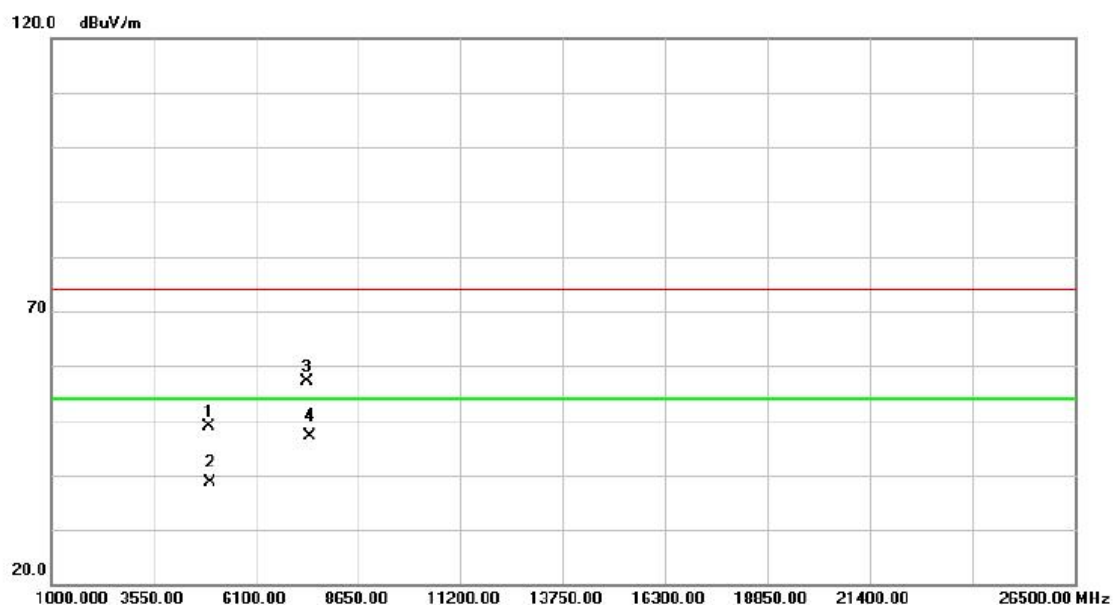
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2461.250	76.20	31.36	107.56	74.00	33.56	peak	No Limit
2	*	2461.250	68.37	31.36	99.73	54.00	45.73	AVG	No Limit
3		2483.500	32.20	31.46	63.66	74.00	-10.34	peak	
4		2483.500	21.02	31.46	52.48	54.00	-1.52	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 MODE 2462MHz

Horizontal



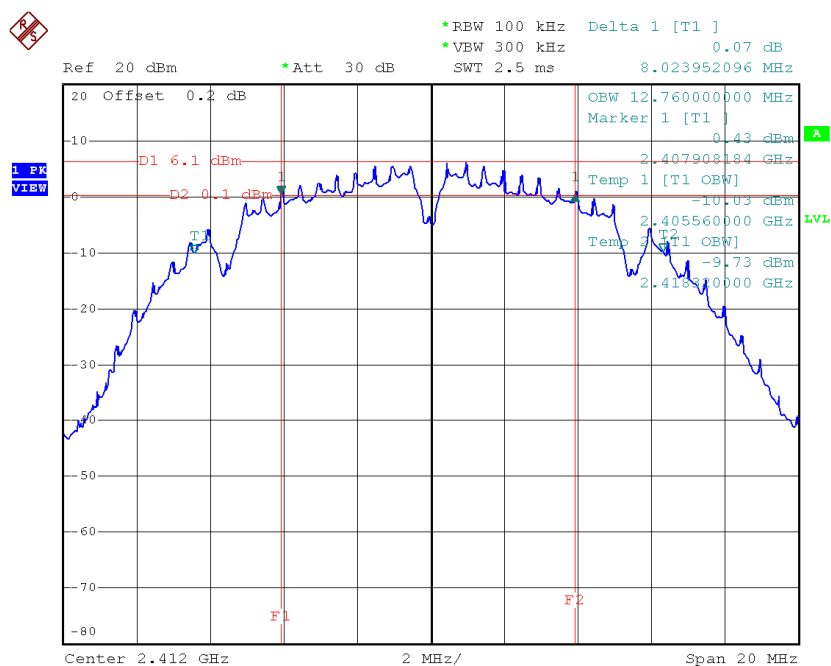
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.040	41.39	7.53	48.92	74.00	-25.08	peak	
2		4924.040	31.12	7.53	38.65	54.00	-15.35	AVG	
3		7386.175	41.59	15.50	57.09	74.00	-16.91	peak	
4	*	7386.175	31.70	15.50	47.20	54.00	-6.80	AVG	

ATTACHMENT E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

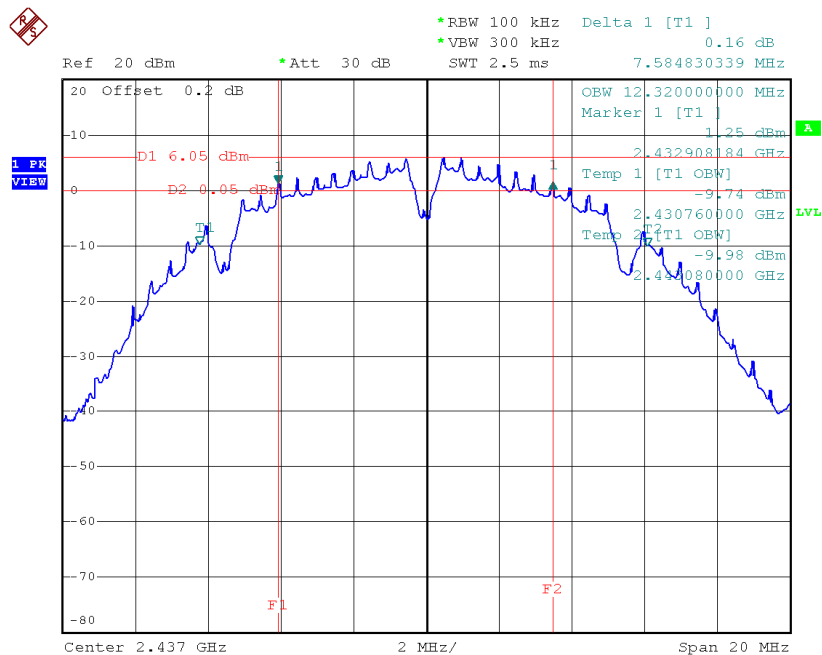
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	8.02	12.76	500	Complies
2437	7.58	12.32	500	Complies
2462	8.02	12.40	500	Complies

TX CH01



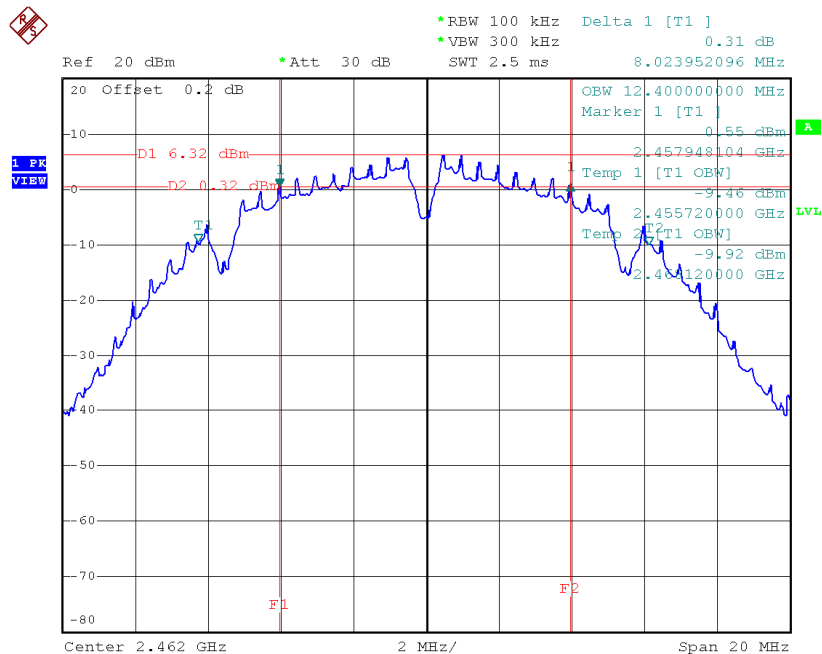
Date: 24.JUL.2014 10:54:39

TX CH06



Date: 24.JUL.2014 11:02:44

TX CH11

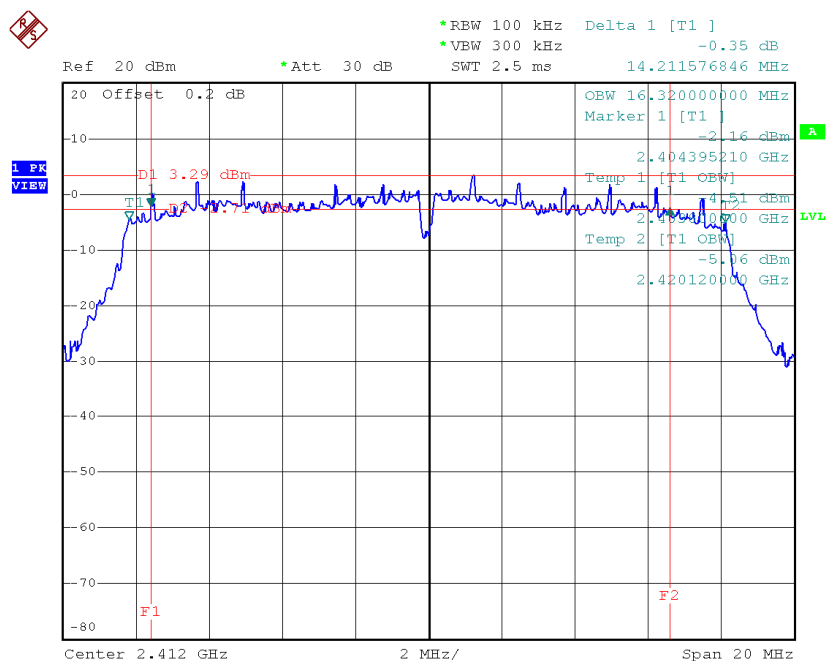


Date: 24.JUL.2014 11:26:16

Test Mode: TX G Mode_CH01/06/11

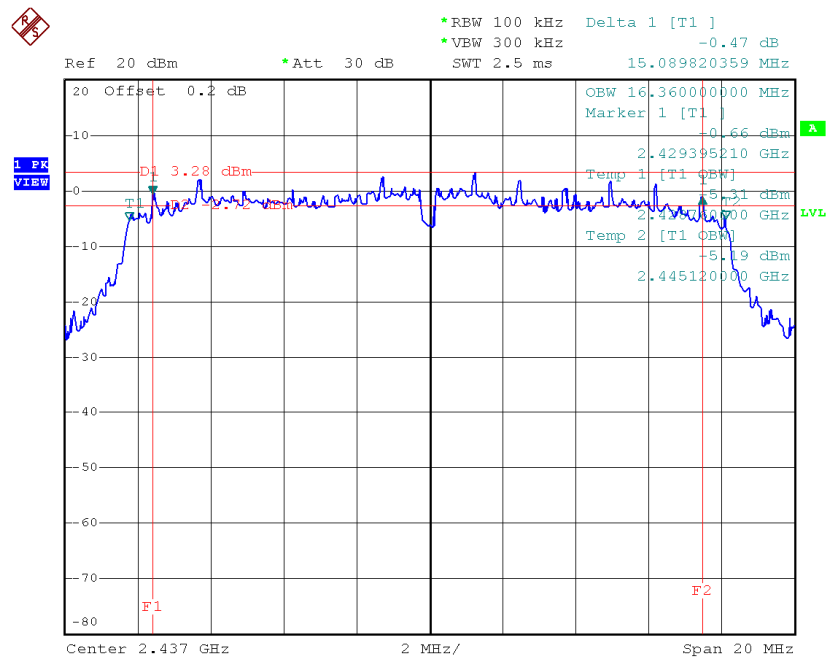
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	14.21	16.32	500	Complies
2437	15.09	16.36	500	Complies
2462	15.09	16.40	500	Complies

TX CH01



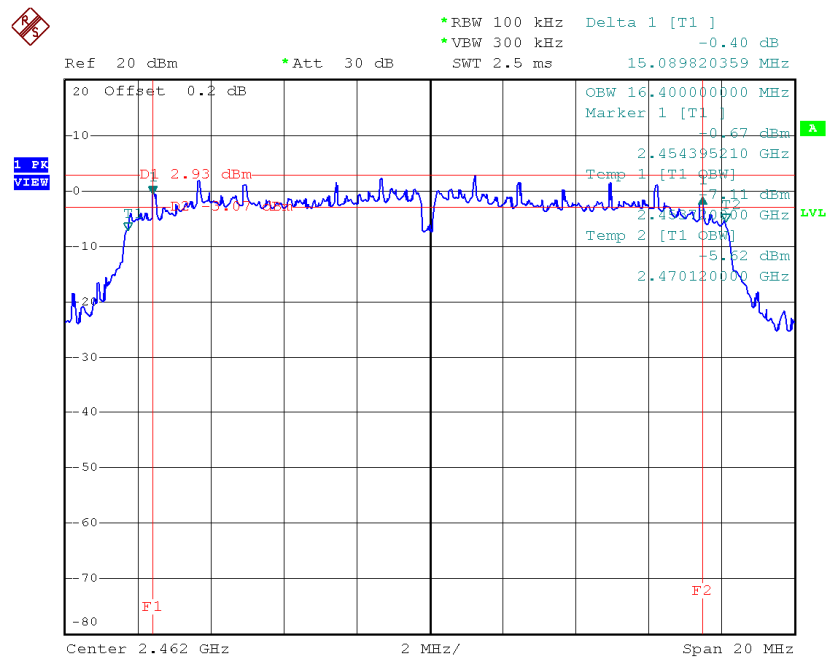
Date: 24.JUL.2014 11:34:30

TX CH06



Date: 24.JUL.2014 11:40:57

TX CH11

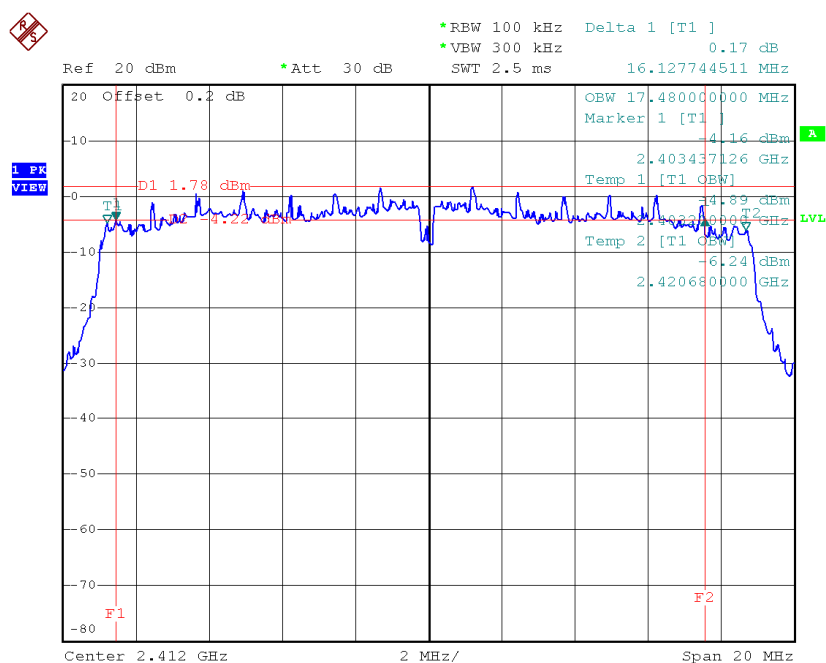


Date: 24.JUL.2014 11:45:34

Test Mode: TX N20 Mode_CH01/06/11

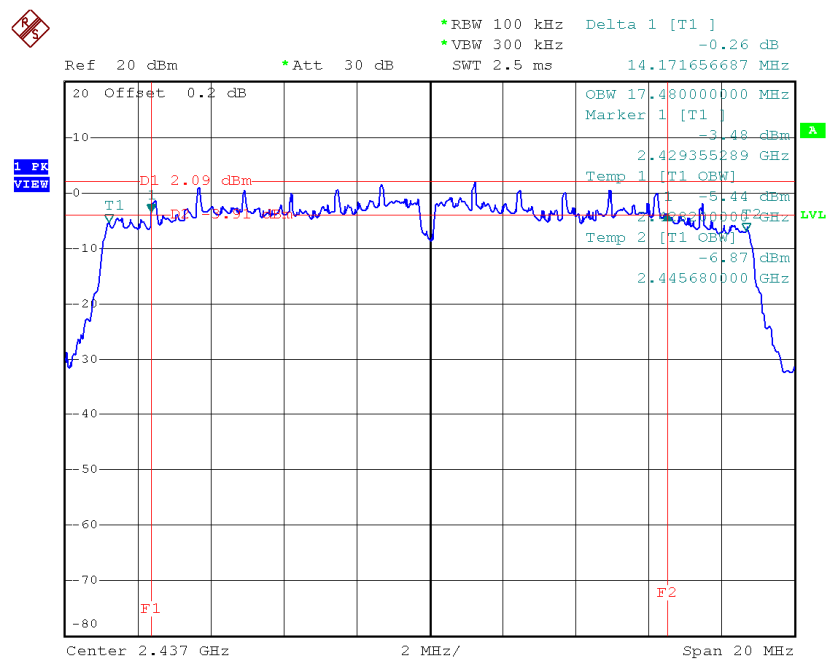
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.13	17.48	500	Complies
2437	14.17	17.48	500	Complies
2462	11.22	17.48	500	Complies

TX CH01



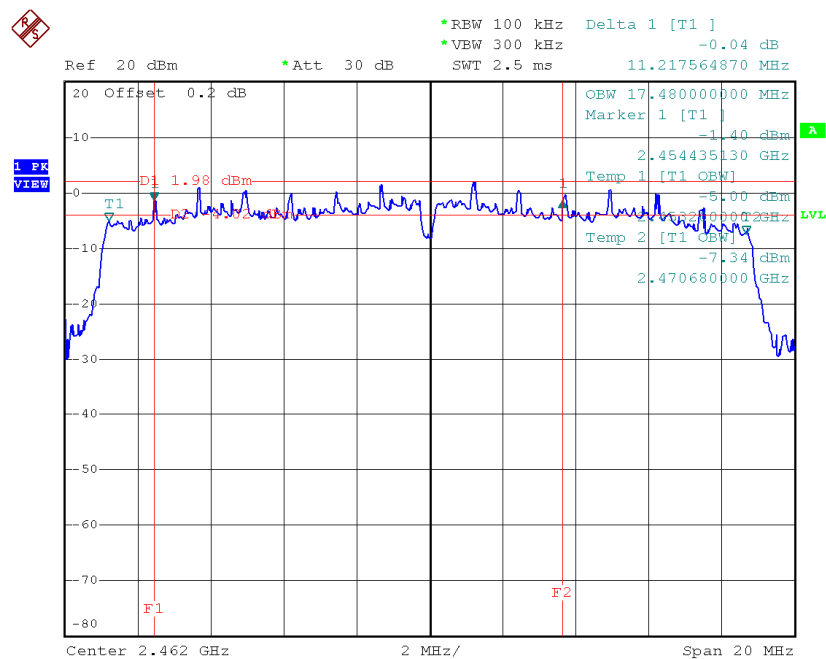
Date: 24.JUL.2014 11:51:36

TX CH06



Date: 24.JUL.2014 12:01:15

TX CH11



Date: 24.JUL.2014 12:06:14

ATTACHMENT F - MAXIMUM OUTPUT POWER

Test Mode: TX B Mode

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	17.37	0.0546	30.00	1.00	Complies
2437	17.04	0.0506	30.00	1.00	Complies
2462	16.67	0.0465	30.00	1.00	Complies

Test Mode: TX G Mode

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.31	0.1702	30.00	1.00	Complies
2437	22.82	0.1914	30.00	1.00	Complies
2462	22.56	0.1803	30.00	1.00	Complies

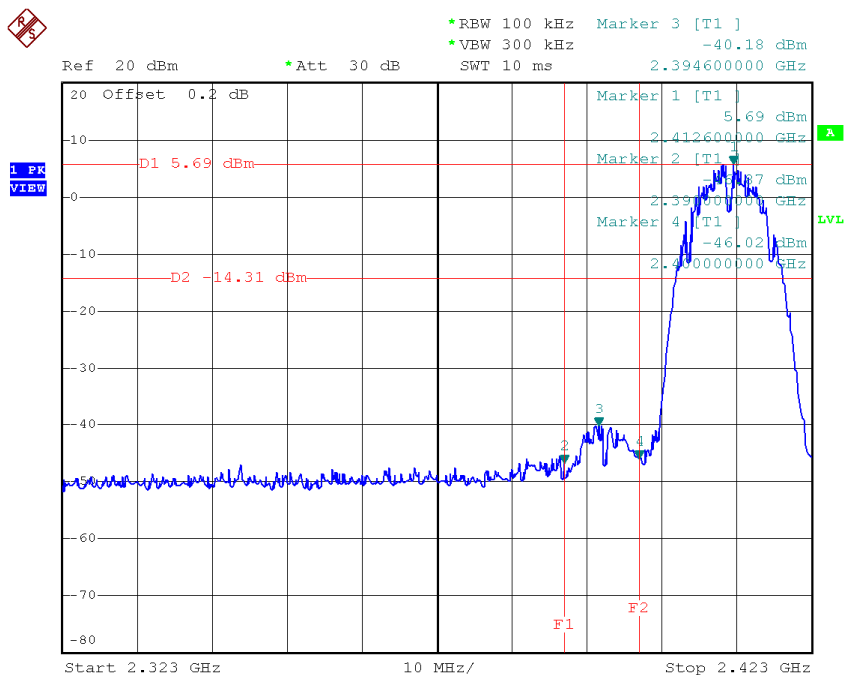
Test Mode: TX N20 Mode

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.92	0.1556	30.00	1.00	Complies
2437	22.25	0.1679	30.00	1.00	Complies
2462	22.65	0.1841	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

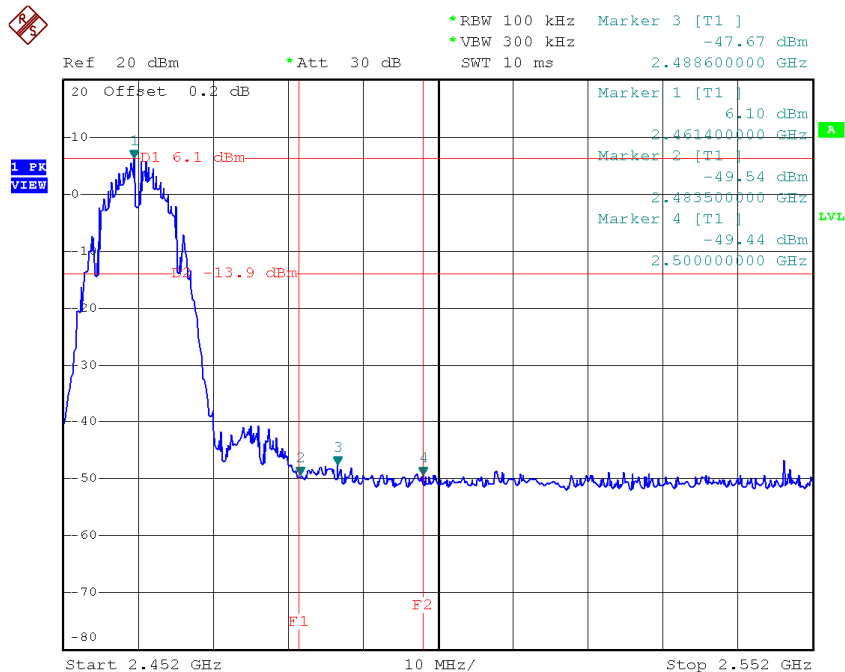
Test Mode :	TX B Mode
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TX B mode CH01



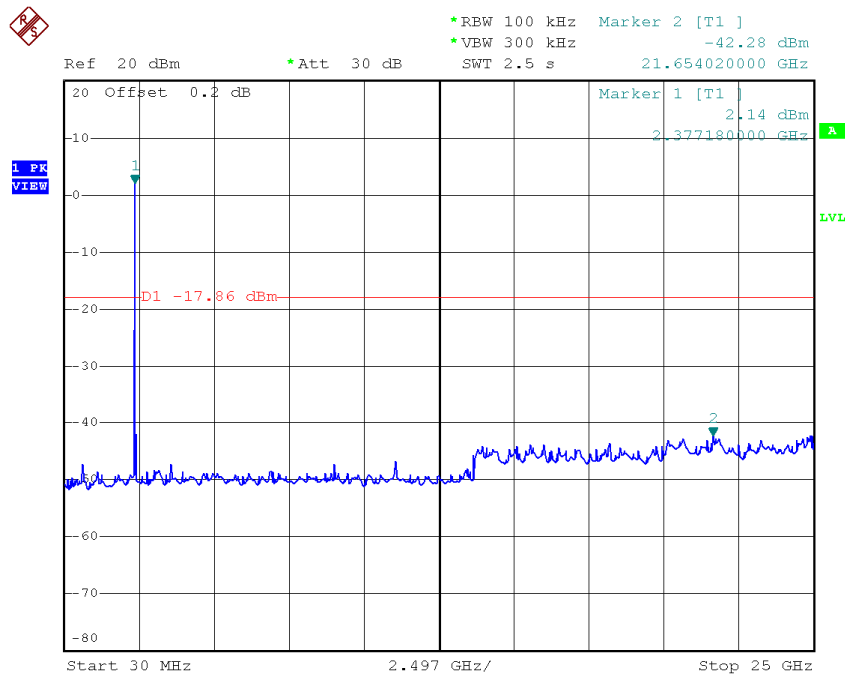
Date: 24.JUL.2014 10:54:51

TX B mode CH11



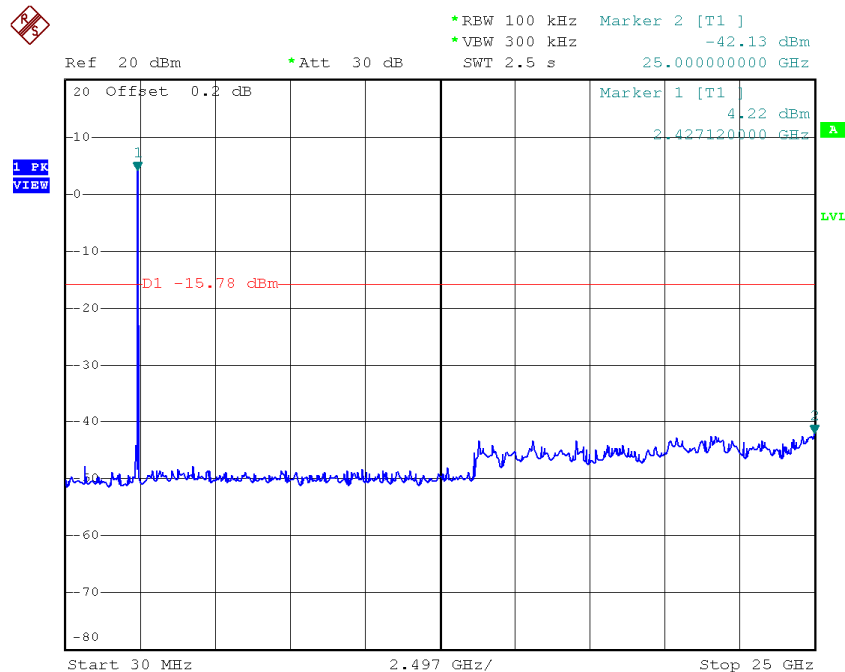
Date: 24.JUL.2014 11:26:27

TX B mode CH01 (10 Harmonic of the frequency)



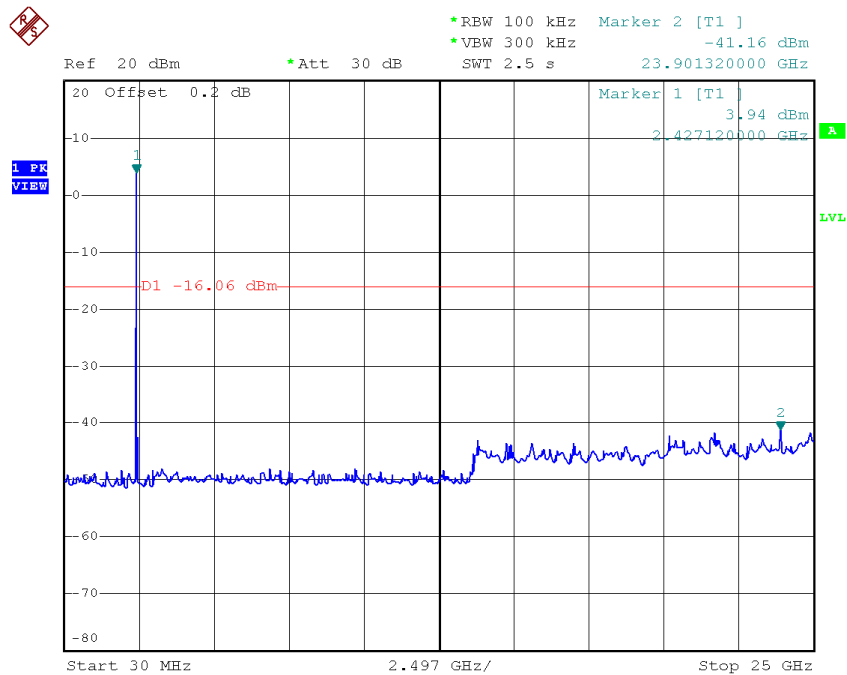
Date: 24.JUL.2014 10:54:16

TX B mode CH06 (10 Harmonic of the frequency)



Date: 24.JUL.2014 11:02:21

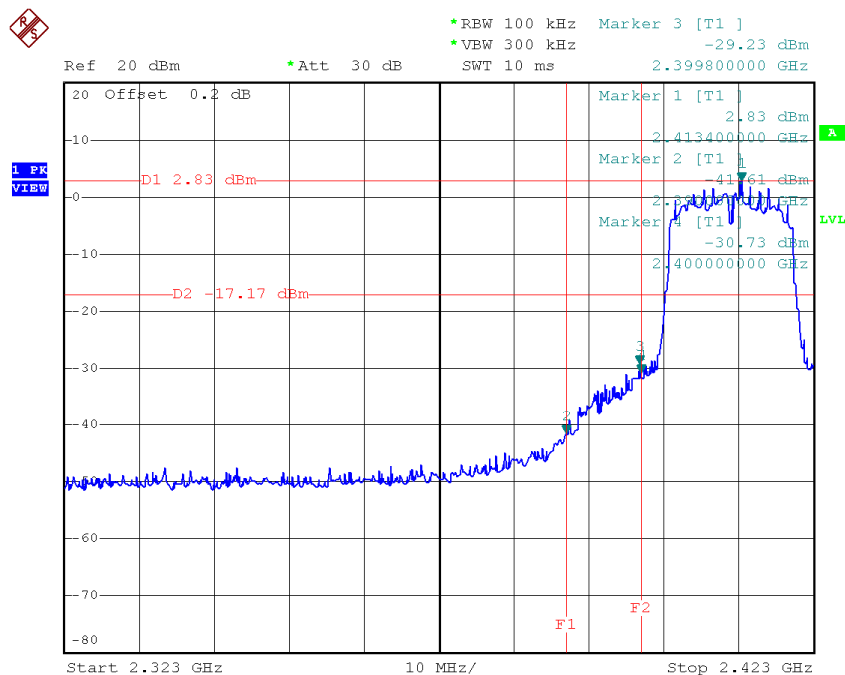
TX B mode CH11 (10 Harmonic of the frequency)



Date: 24.JUL.2014 11:25:53

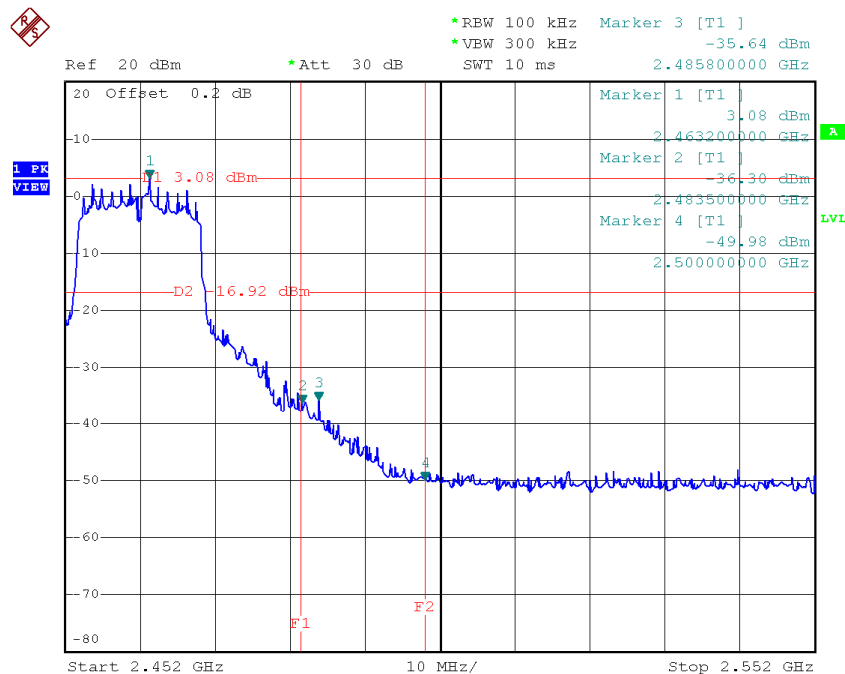
Test Mode :	TX G Mode
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TX G mode CH01



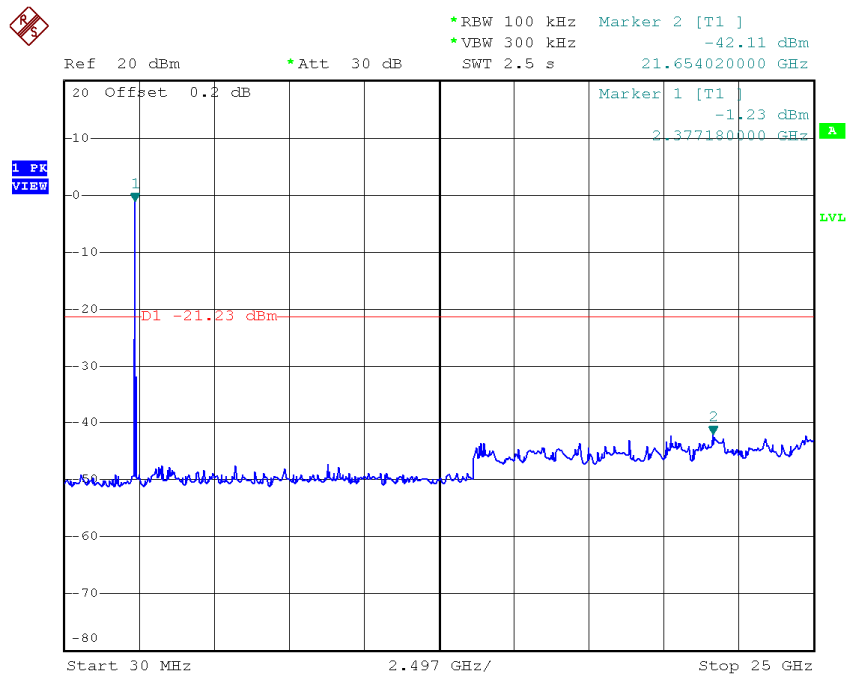
Date: 24.JUL.2014 11:34:42

TX G mode CH11



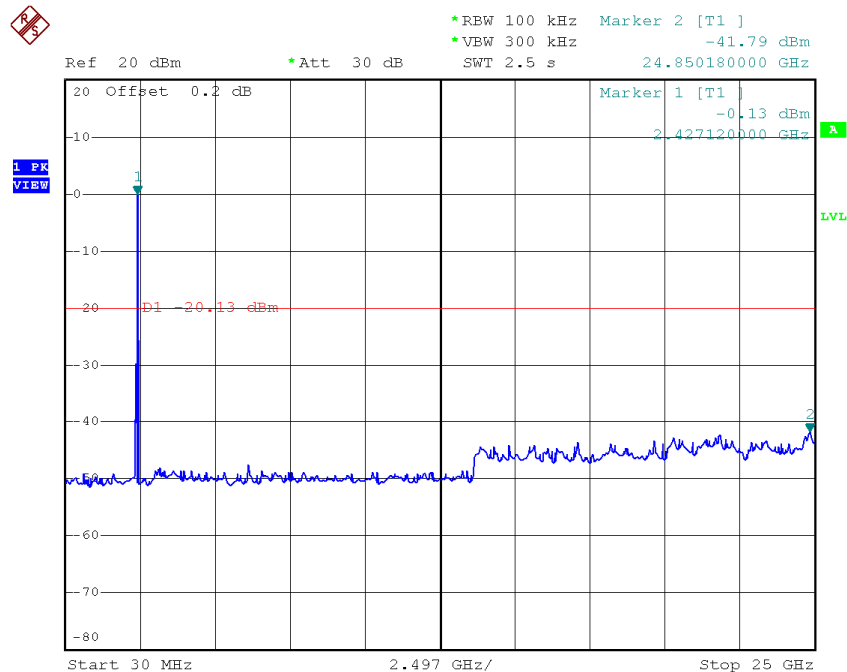
Date: 24.JUL.2014 11:45:46

TX G mode CH01 (10 Harmonic of the frequency)



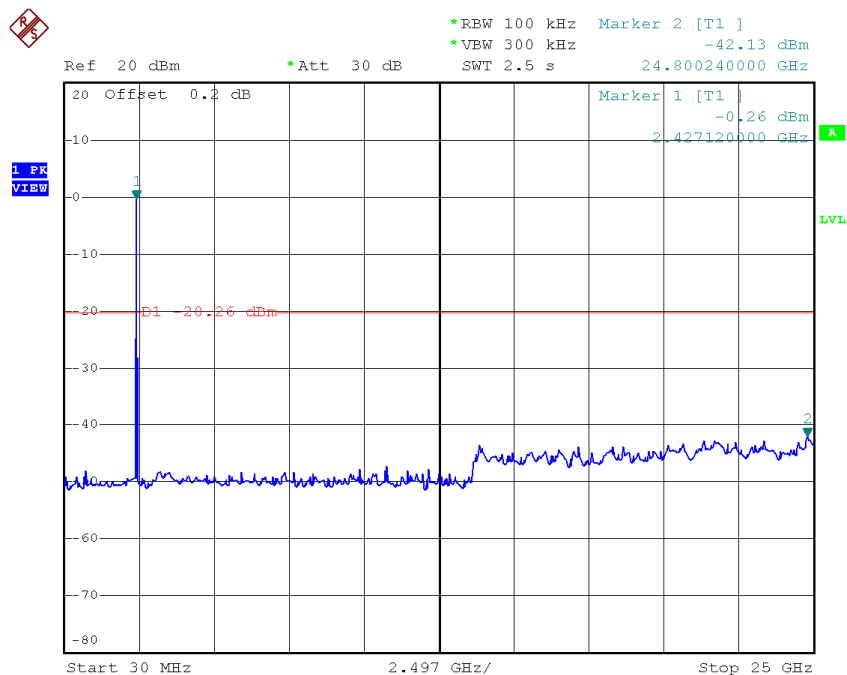
Date: 24.JUL.2014 11:34:12

TX G mode CH06 (10 Harmonic of the frequency)



Date: 24.JUL.2014 11:40:39

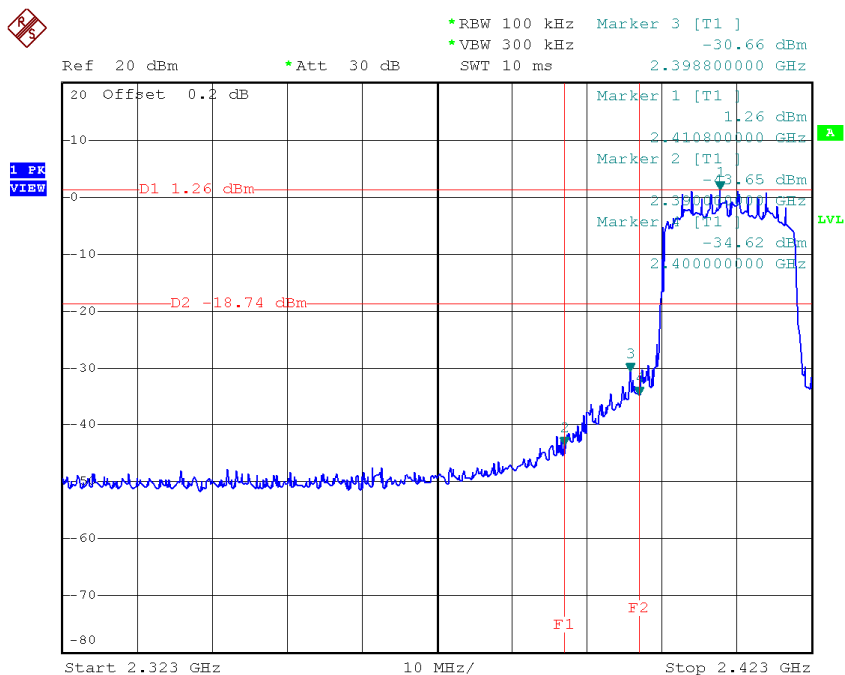
TX G mode CH11 (10 Harmonic of the frequency)



Date: 24.JUL.2014 11:45:17

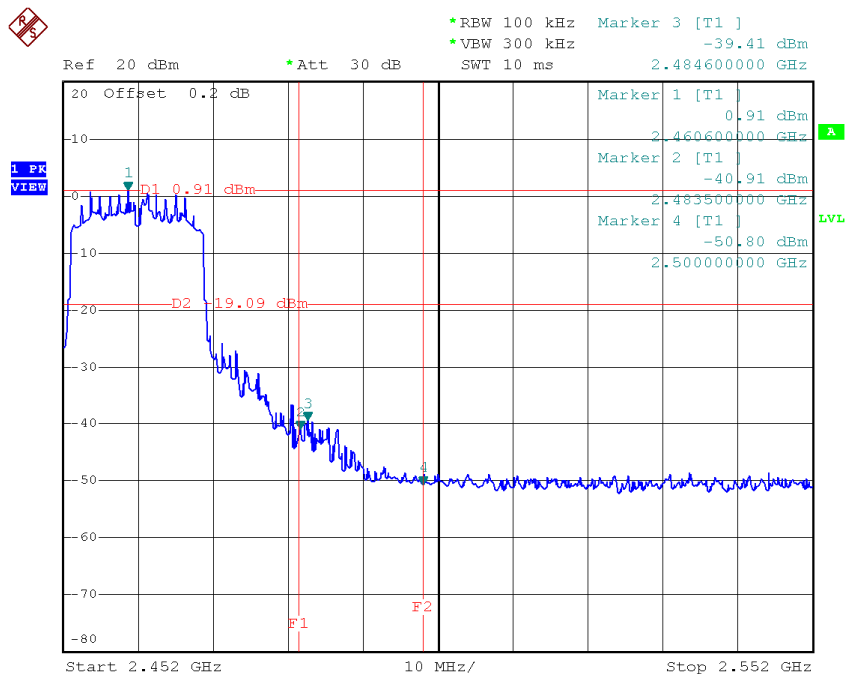
Test Mode :	TX N20 Mode
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TX N20 mode CH01



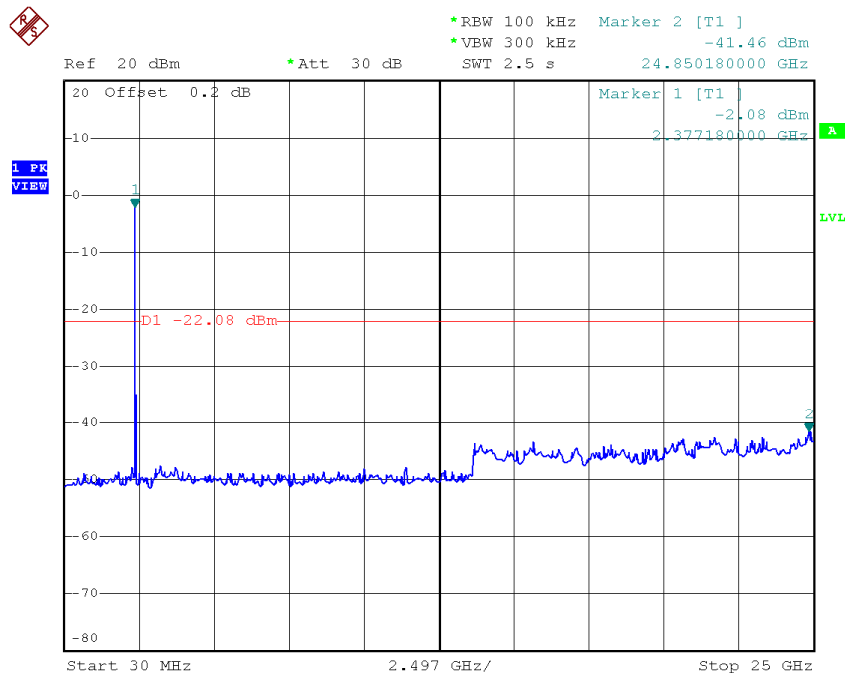
Date: 24.JUL.2014 11:51:48

TX N20 mode CH11



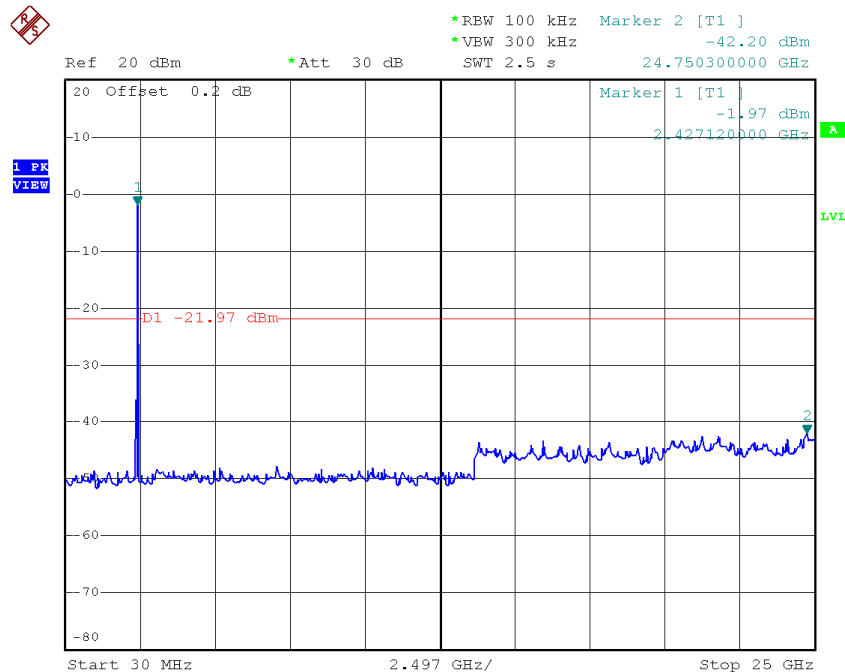
Date: 24.JUL.2014 12:06:26

TX N20 mode CH01 (10 Harmonic of the frequency)



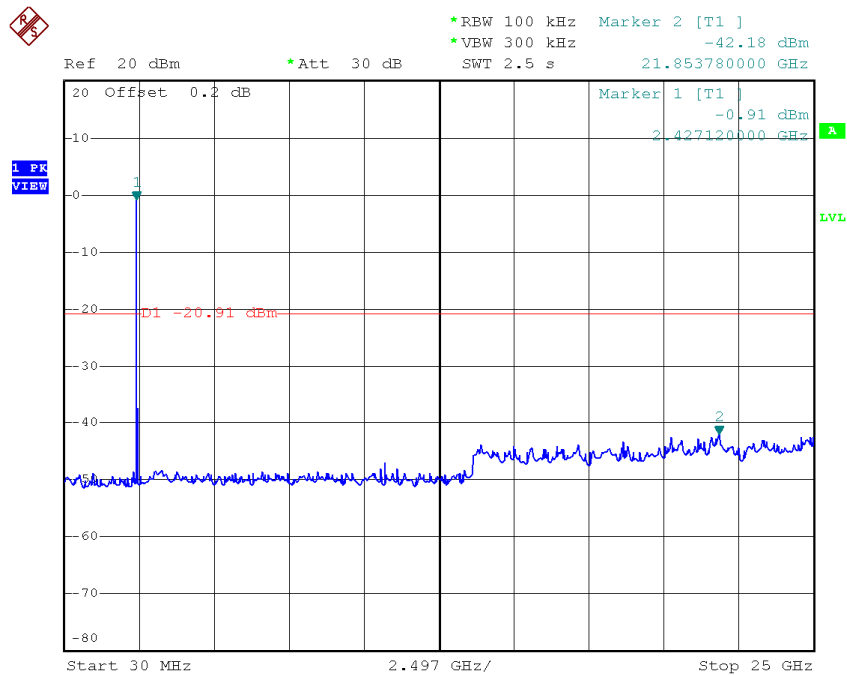
Date: 24.JUL.2014 11:51:20

TX N20 mode CH06 (10 Harmonic of the frequency)



Date: 24.JUL.2014 12:00:57

TX N20 mode CH11 (10 Harmonic of the frequency)



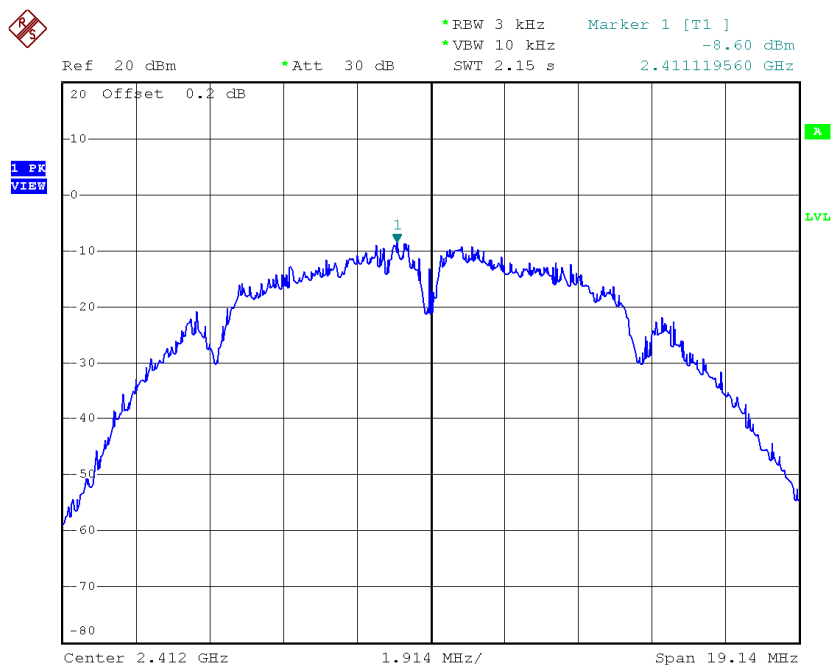
Date: 24.JUL.2014 12:05:53

ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode_CH01/06/11

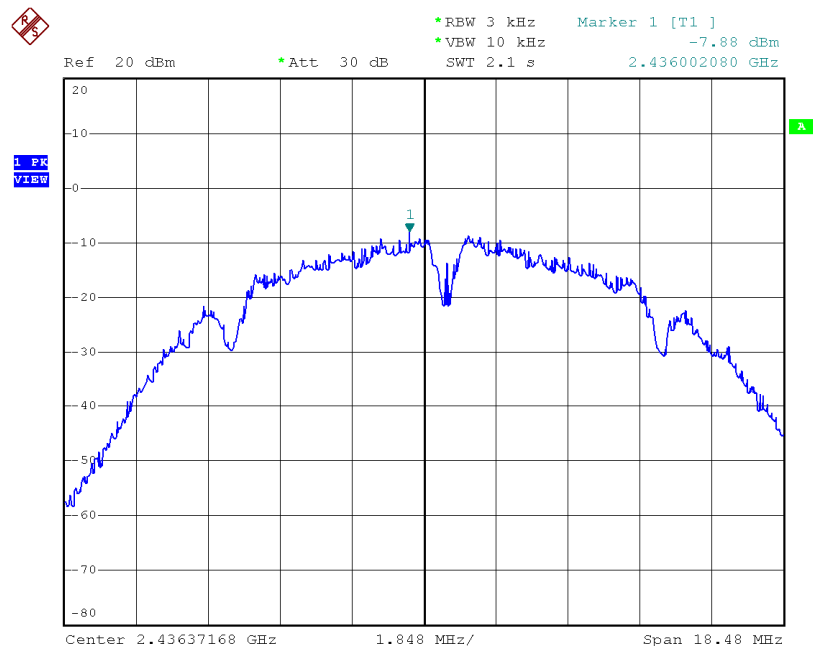
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-8.60	0.04	8.00	Complies
2437	-7.88	0.04	8.00	Complies
2462	-7.83	0.04	8.00	Complies

TX CH01



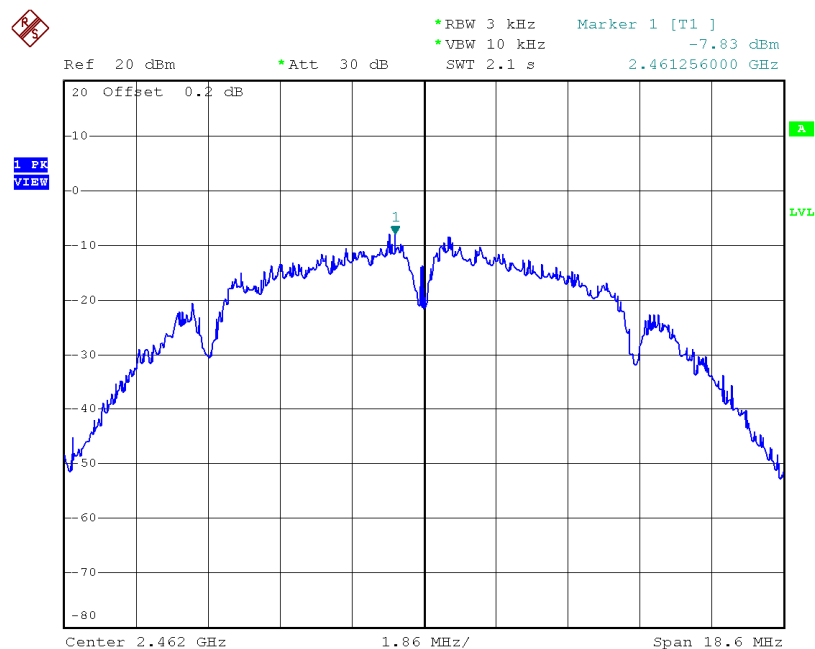
Date: 24.JUL.2014 11:30:30

TX CH06



Date: 24.JUL.2014 11:18:00

TX CH11

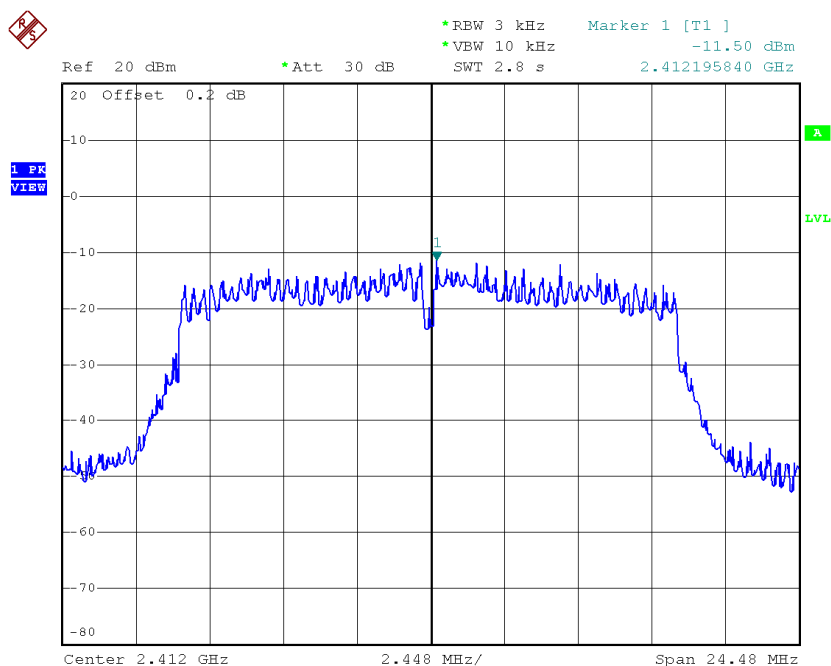


Date: 24.JUL.2014 13:20:10

Test Mode :TX G Mode_CH01/06/11

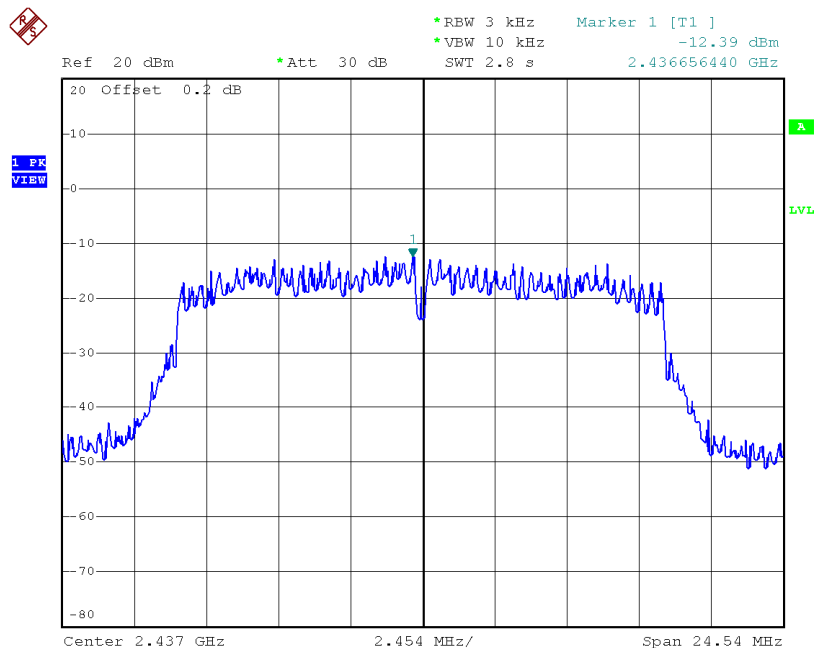
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.50	0.06	8.00	Complies
2437	-12.39	0.06	8.00	Complies
2462	-11.19	0.06	8.00	Complies

TX CH01



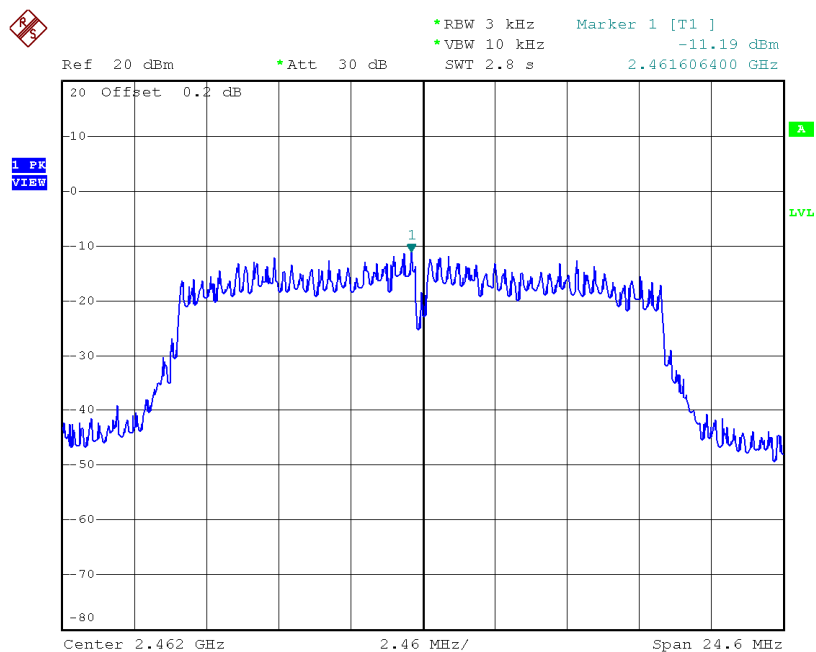
Date: 24.JUL.2014 11:36:27

TX CH06



Date: 24.JUL.2014 11:41:56

TX CH11

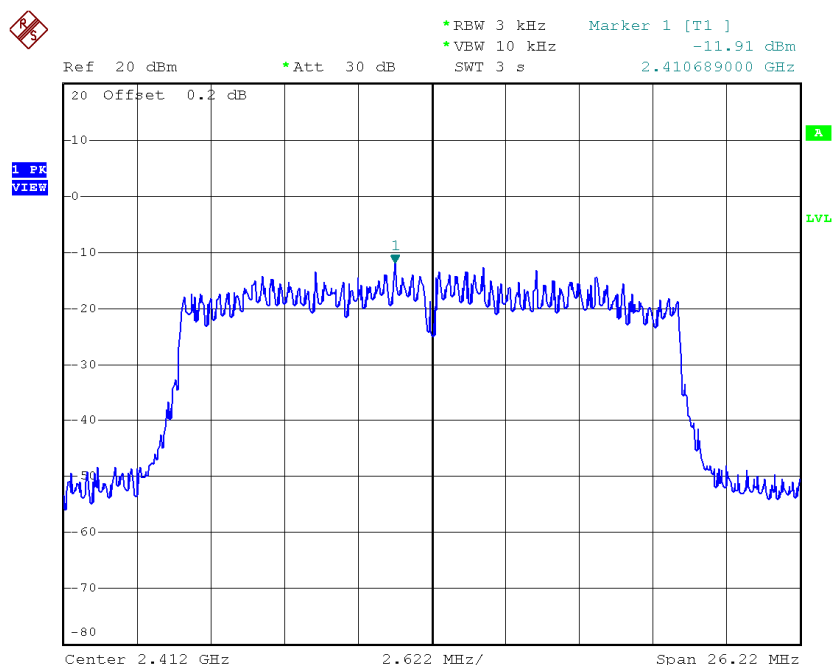


Date: 24.JUL.2014 11:47:07

Test Mode :TX N20 Mode_CH01/06/11

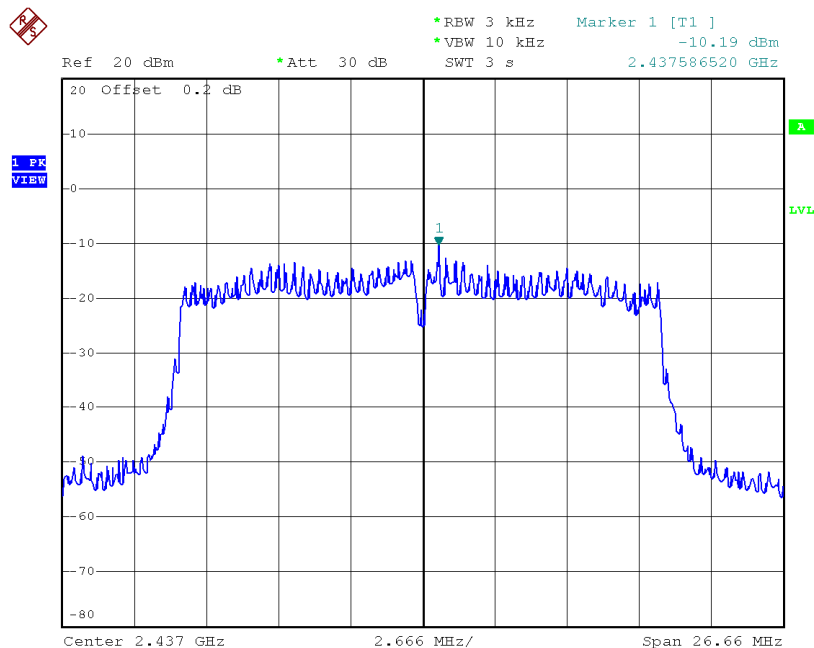
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.91	0.06	8.00	Complies
2437	-10.19	0.06	8.00	Complies
2462	-11.58	0.06	8.00	Complies

TX CH01



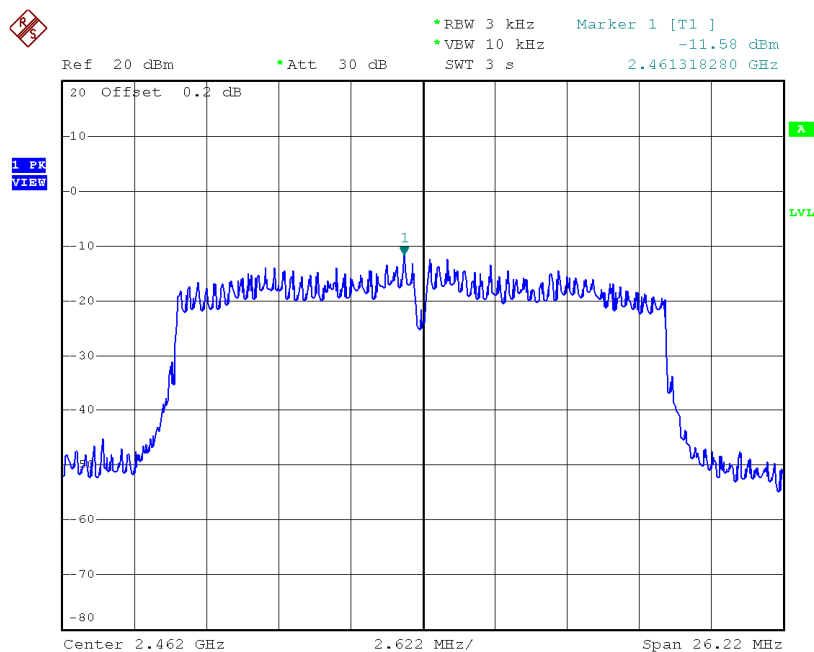
Date: 24.JUL.2014 11:53:23

TX CH06



Date: 24.JUL.2014 12:02:26

TX CH11



Date: 24.JUL.2014 13:17:25