



Neutron Engineering Inc.

FCC Radio Test Report

FCC ID: Q78-ZXV10B760E

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

Project No. : 1404C148
Equipment : RichMedia Box
Model Name : ZXV10 B760E
Applicant : ZTE Corporation
Address : ZTE Plaza, Hi-Teck Park, Nanshan
District, Shenzhen, Guangdong, P.R.
China

Tested by: Neutron Engineering Inc. EMC Laboratory

Date of Receipt: Apr. 18, 2014

Date of Test: Apr. 18, 2014 ~ May. 15, 2014

Issued Date: May. 16, 2014

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Declaration

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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
NEI-FCCP-1-1404C148	Original Issue.	May. 16, 2014



1. CERTIFICATION

Equipment : RichMedia Box
Brand Name : ZTE
Model Name : ZXV10 B760E
Applicant : ZTE Corporation
Manufacturer : ZTE Corporation
Address : ZTE Plaza, Hi-Teck Park, Nanshan District, Shenzhen, Guangdong, P.R. China
Factory : ZTE Corporation
Address : ZTE Plaza, Hi-Teck Park, Nanshan District, Shenzhen, Guangdong, P.R. China
Date of Test : Apr. 18, 2014 ~ May. 15, 2014
Test Item : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart C(15.247) / ANSI C63.4-2009

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-1404C148) 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				
Standard(s)	Section	Test Item	Judgment	Remark
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 v03r01 (Measurement Guidelines of DTS)



2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C02/DG-CB03** at the location of No.3,Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.523792
Neutron's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

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

A. Conducted Measurement :

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

B. Radiated Measurement :

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



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	RichMedia Box	
Brand Name	ZTE	
Model Name	ZXV10 B760E	
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 150Mbps
	Output Power (Max.)	802.11b: 15.16dBm 802.11g: 21.48dBm 802.11n(20MHz): 19.36dBm 802.11n(40MHz): 20.16dBm
Power Source	DC voltage supplied from AC/DC adapter. #1 Manufacturer: DONGGUAN CITY YINGJU ELECTRONICS CO.,LTD Model: YJS012F-1201000U #2 Manufacturer: Dongguan Aoyuan Electronics Technology Co., Ltd Model: AY012A-AF122-US	
Power Rating	#1 I/P: AC 100-240V~50/60Hz 350mA O/P: DC 12V/1000mA #2 I/P: AC 100-240V~50/60Hz 0.5A O/P: DC 12V/1A	
Connecting I/O Port(s)	Please refer to the User's Manual	

Note:

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



2. Channel List:

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

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	PW-MN427 34I 3.0	Internal	N/A	3



3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 5	TX MODE

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

Note:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (6.5Mbps)
802.11n HT40 mode : BPSK (13Mbps)
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

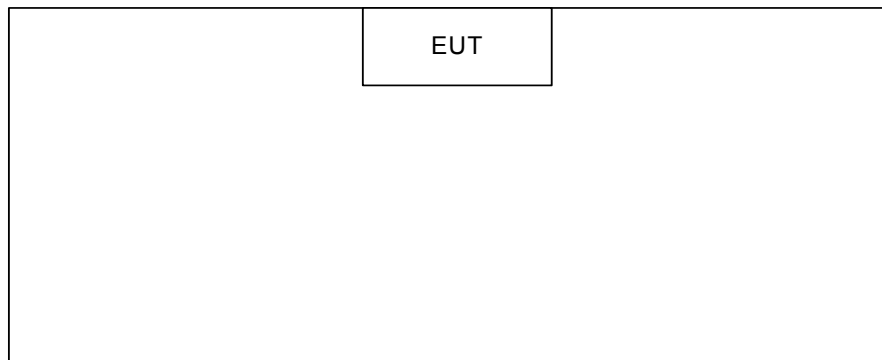
During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final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

Test software version	GUI_Demo_01.05.29_8192		
Frequency	2412 MHz	2437 MHz	2462 MHz
IEEE 802.11b DSSS	18	18	18
IEEE 802.11g OFDM	18	18	18
IEEE 802.11n (20MHz)	18	18	18
Frequency	2422 MHz	2437 MHz	2452 MHz
IEEE 802.11n (40MHz)	18	18	18



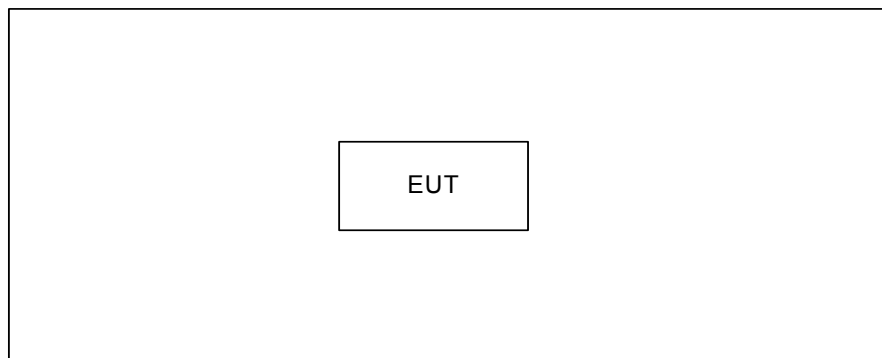
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted TX Mode:



Control Room

Radiated TX Mode:



Control Room



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	Series No.	Note
-	-	-	-	-	-	

Item	Shielded Type	Ferrite Core	Length	Note
-	-	-	-	



4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

The following table is the setting of the receiver

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

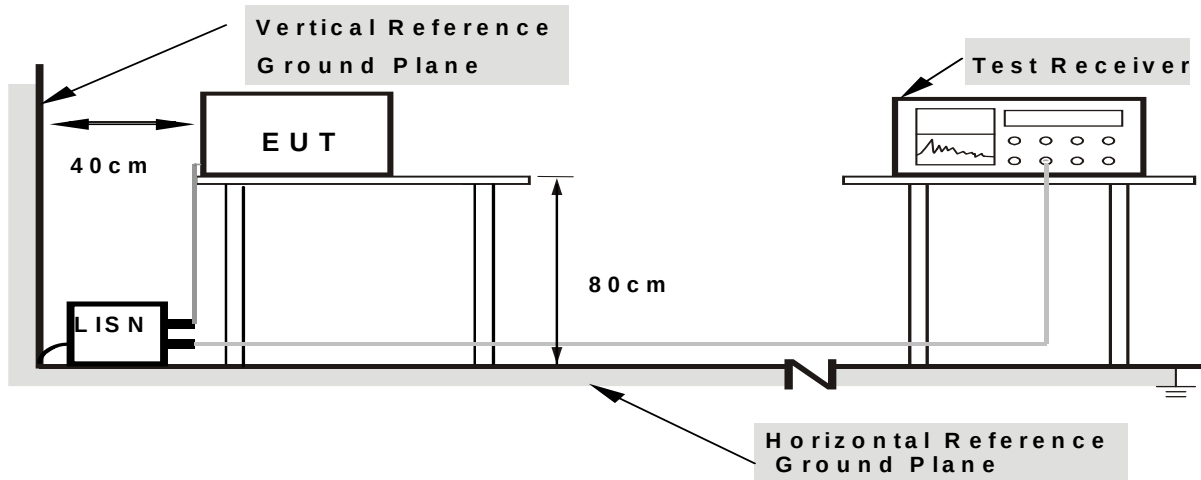
4.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



- Note:** 1.Support units were connected to second LISN.
 2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 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)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector



4.2.2 TEST PROCEDURE

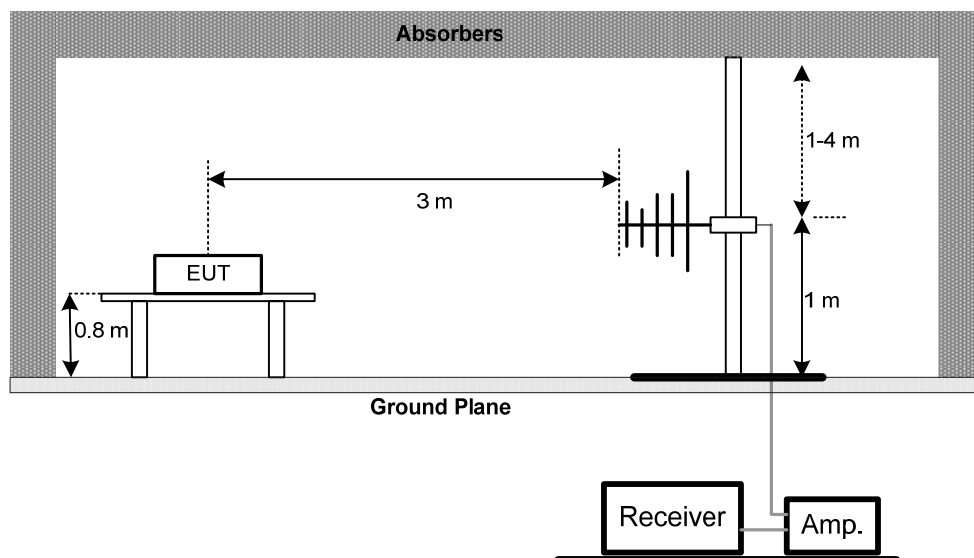
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

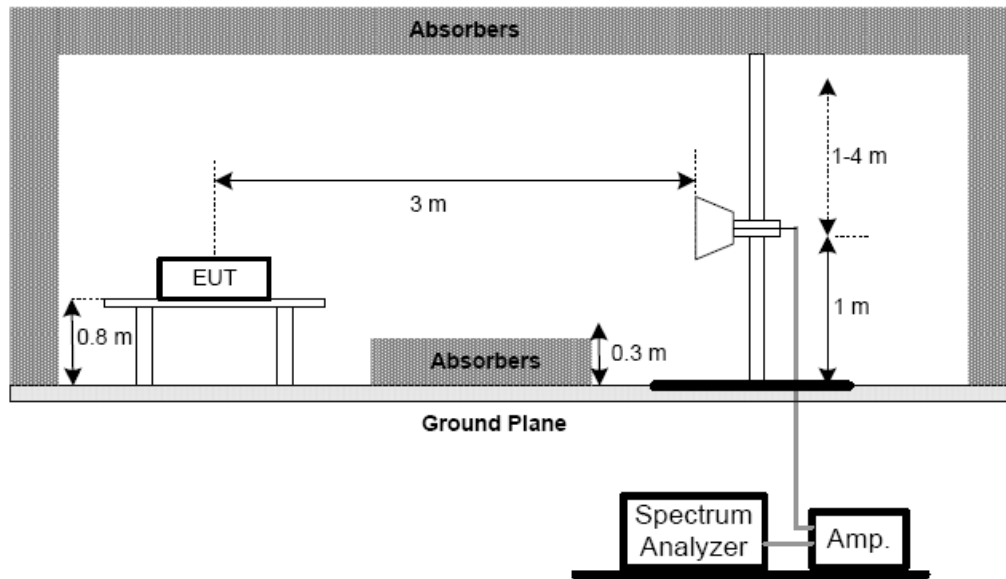
No deviation

4.2.4 TEST SETUP

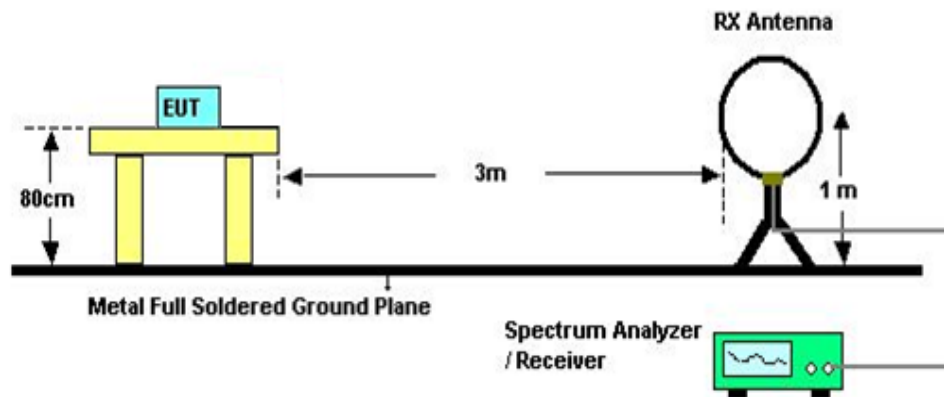
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

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



4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.



5. BANDWIDTH TEST

5.1 Applied procedures

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	2400-2483.5	PASS

5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.



6. MAXIMUM OUTPUT POWER TEST

6.1 Applied procedures / limit

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

6.1.1 TEST PROCEDURE

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.



7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

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

7.1.1 TEST PROCEDURE

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

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

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.



8. POWER SPECTRAL DENSITY TEST

8.1 Applied procedures / limit

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

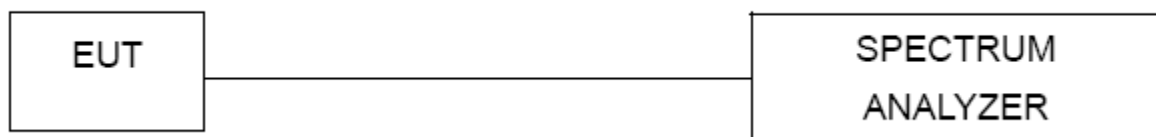
8.1.1 TEST PROCEDURE

- 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 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment H.



9. MEASUREMENT INSTRUMENTS LIST

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

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 29, 2015
2	Amplifier	HP	8447D	2944A09673	Mar. 29, 2015
3	Test Receiver	R&S	ESCI	100382	Mar. 29, 2015
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 02, 2014
5	Antenna	ETS	3115	00075789	Mar. 29, 2015
6	Amplifier	Agilent	8449B	3008A02274	Mar. 29, 2015
7	Spectrum	Agilent	E4408B	US39240143	Nov. 09, 2014
8	Test Cable	HUBER+SUHNER	C-45	N/A	Mar. 29, 2015
9	Controller	CT	SC100	N/A	N/A
10	Horn Antenna	EMCO	3115	9605-4803	Mar. 29, 2015
11	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 29, 2015
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Feb. 22, 2015



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

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

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

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

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

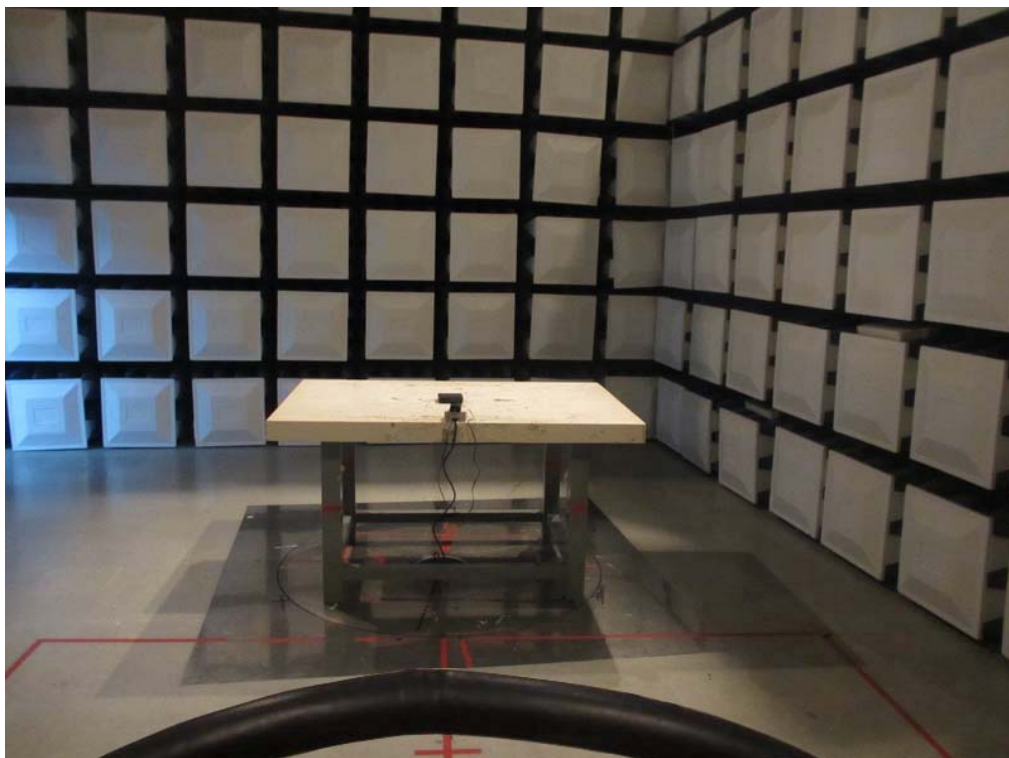


10. EUT TEST PHOTO

Conducted Measurement Photos

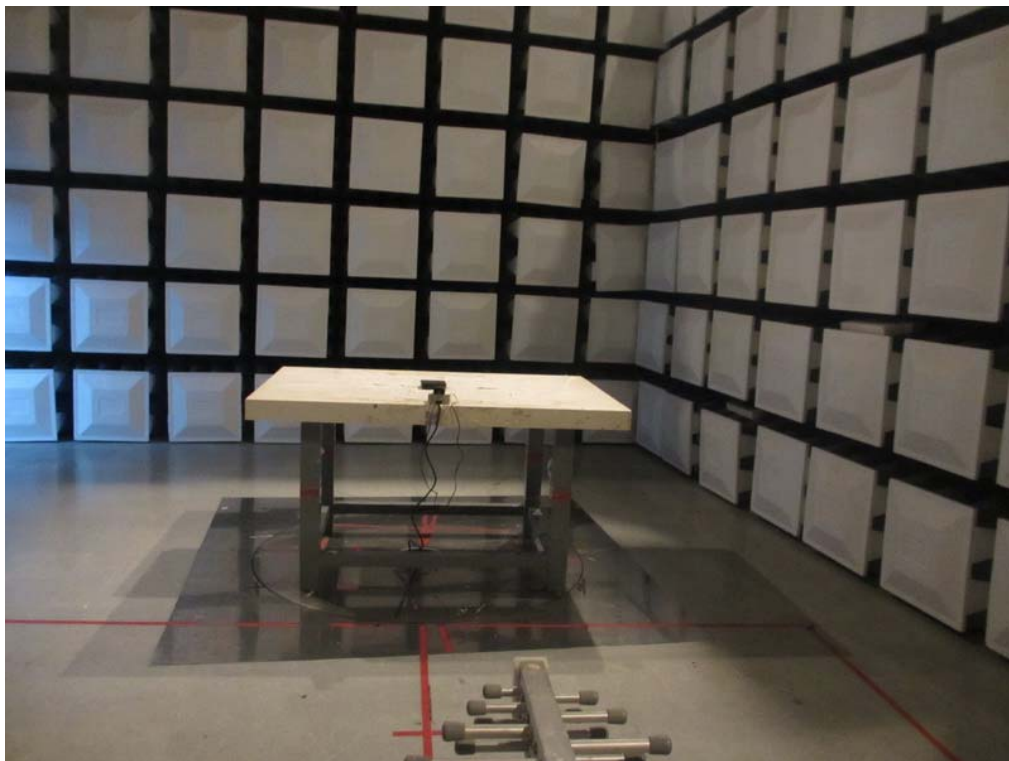
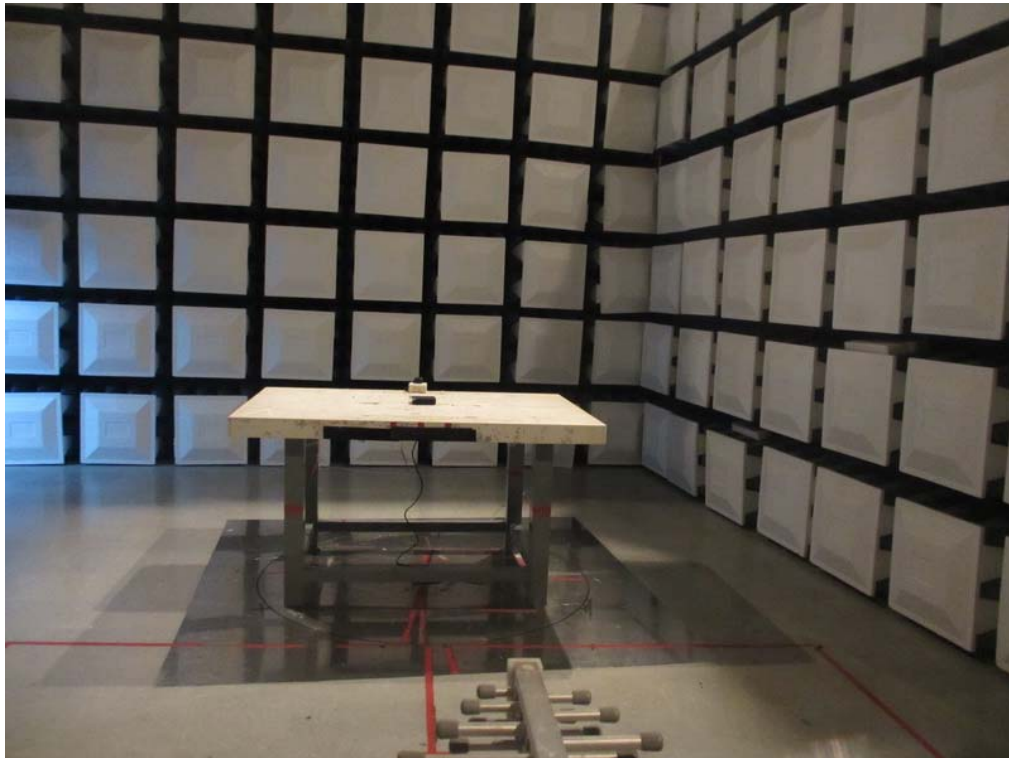


**Radiated Measurement Photos
9KHz to 30MHz**

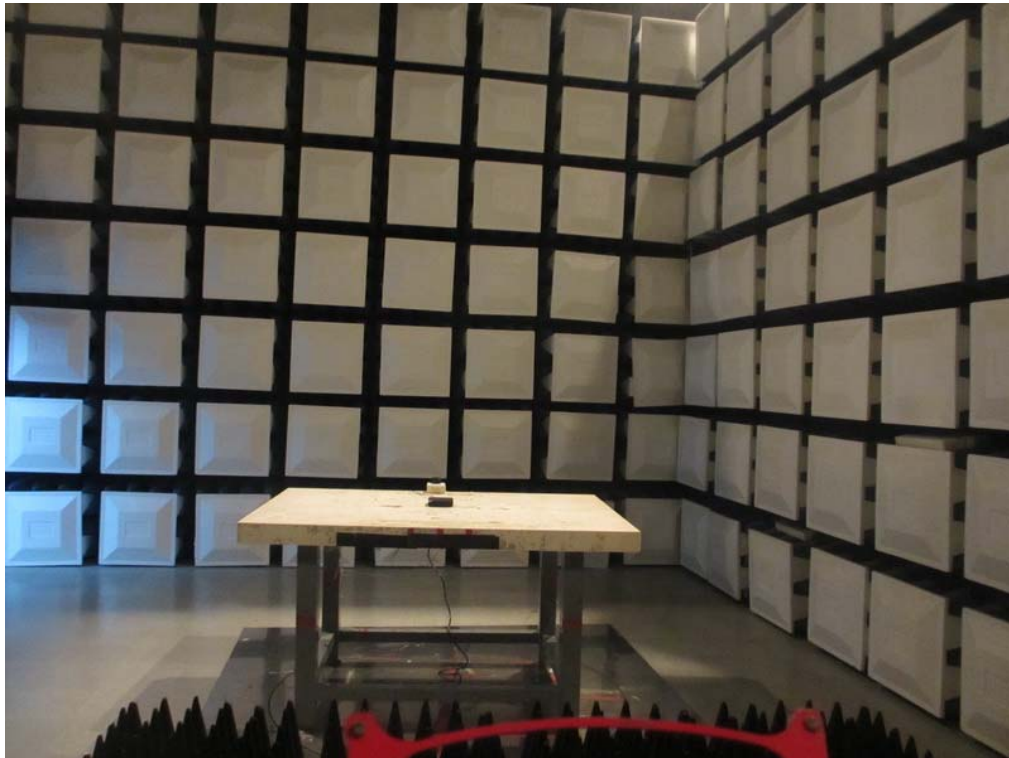




**Radiated Measurement Photos
30MHz to 1000MHz**



**Radiated Measurement Photos
Above 1000MHz**



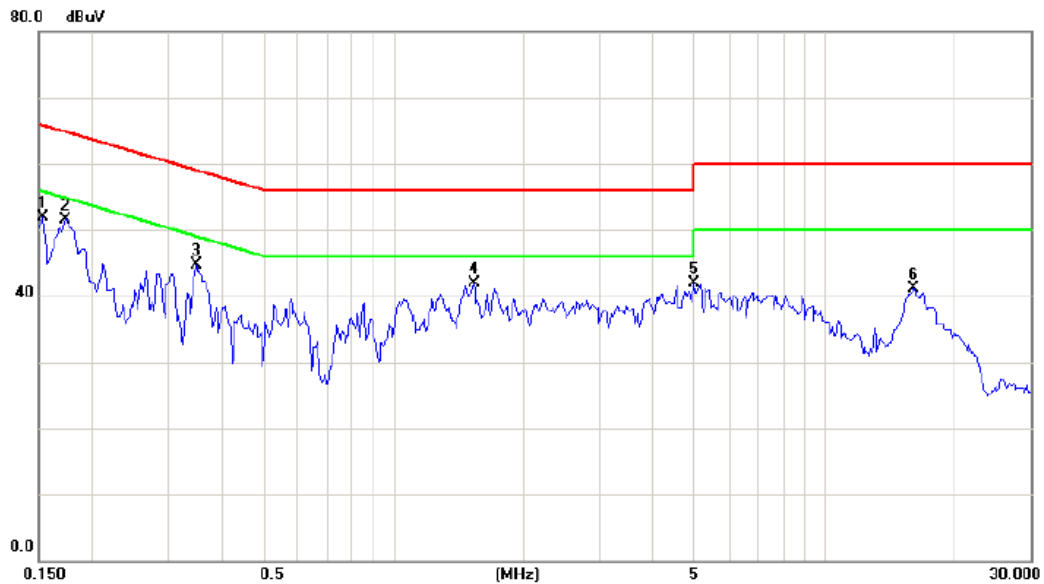


ATTACHMENT A - CONDUCTED EMISSION



Test Mode : TX MODE

Line

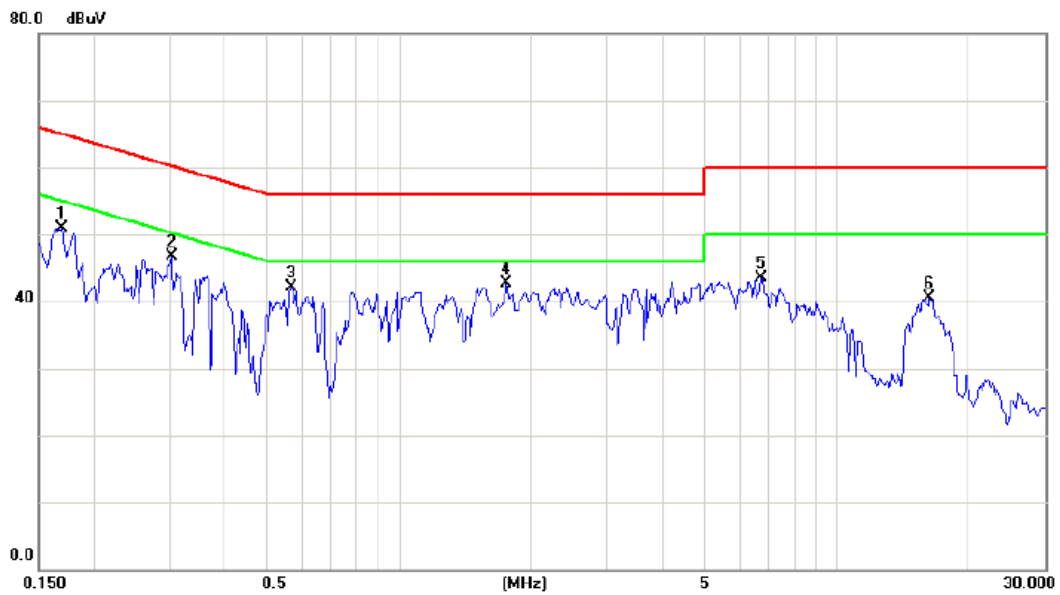


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1540	42.31	9.63	51.94	65.78	-13.84	peak	
2	*	0.1733	41.97	9.63	51.60	64.80	-13.20	peak	
3		0.3492	34.99	9.67	44.66	58.98	-14.32	peak	
4		1.5405	32.06	9.79	41.85	56.00	-14.15	peak	
5		4.9725	32.06	9.92	41.98	56.00	-14.02	peak	
6		16.1130	30.81	10.32	41.13	60.00	-18.87	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		0.1695	41.28	9.70	50.98	64.98	-14.00	peak	
2		0.3023	36.99	9.72	46.71	60.18	-13.47	peak	
3		0.5680	32.35	9.74	42.09	56.00	-13.91	peak	
4	*	1.7671	32.82	9.84	42.66	56.00	-13.34	peak	
5		6.7578	33.57	10.01	43.58	60.00	-16.42	peak	
6		16.3360	29.92	10.51	40.43	60.00	-19.57	peak	



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



Test Mode: TX Mode 2412MHz

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0094	0°	68.35	24.30	92.65	128.12	-35.47	AV
0.0094	0°	72.35	24.30	96.65	148.12	-51.47	PK
0.0137	0°	70.35	24.30	94.65	124.87	-30.22	AV
0.0137	0°	79.35	24.30	103.65	144.87	-41.22	PK
0.0245	0°	56.36	24.02	80.38	119.82	-39.45	AV
0.0245	0°	60.12	24.02	84.14	139.82	-55.69	PK
0.0328	0°	61.36	23.49	84.85	117.29	-32.44	AV
0.0328	0°	65.38	23.49	88.87	137.29	-48.42	PK
0.5680	0°	18.72	20.02	38.74	72.52	-33.78	QP
1.7536	0°	18.95	19.52	38.47	69.54	-31.07	QP

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

Remark:

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

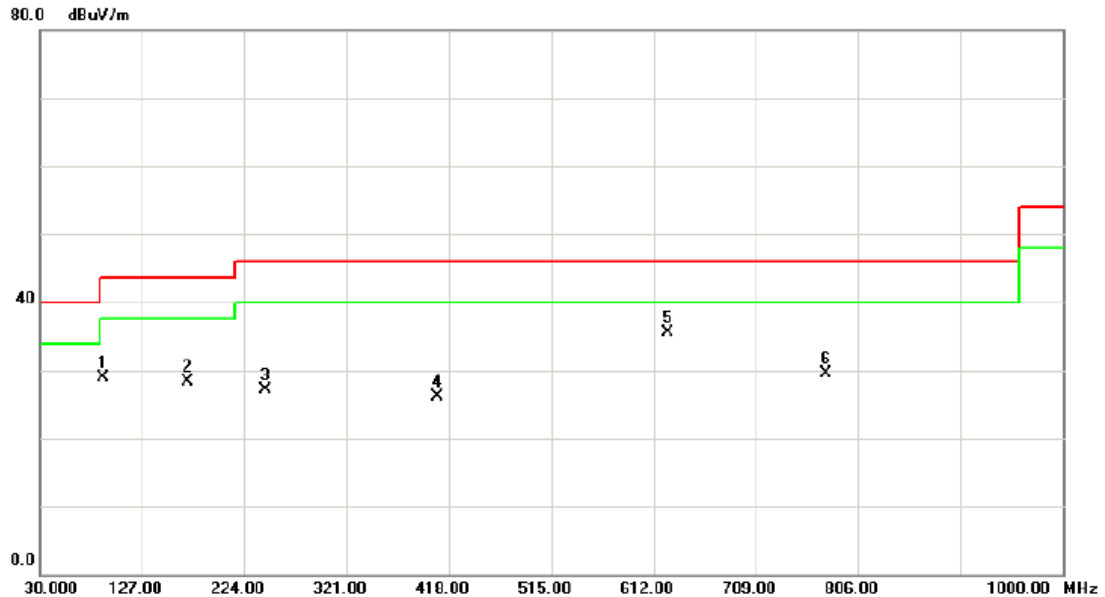


ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)



Test Mode: TX B MODE CHANNEL 01

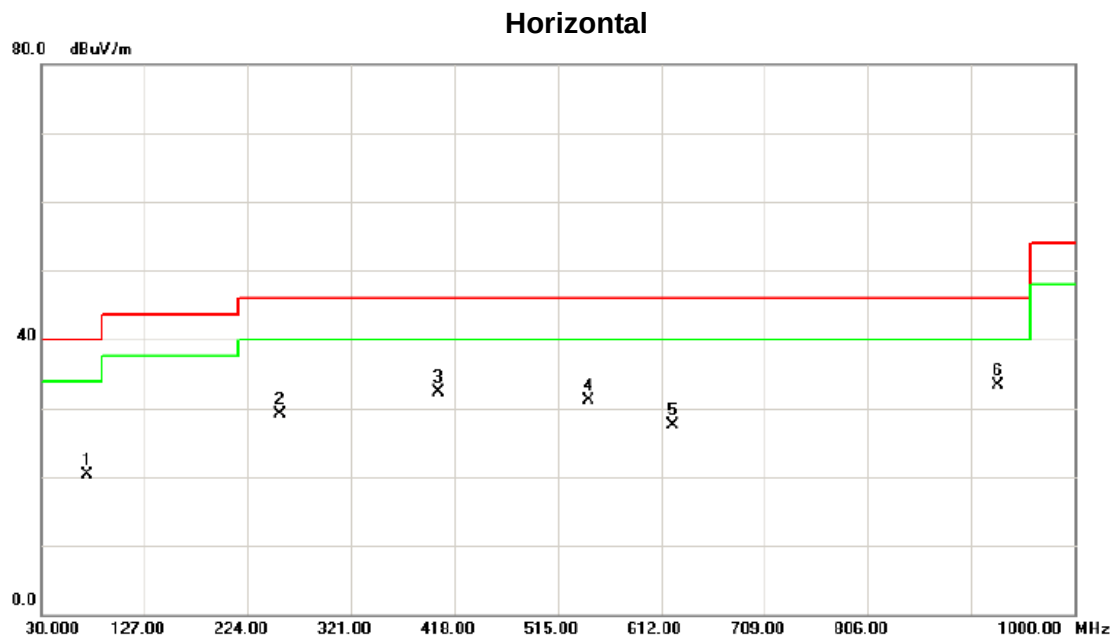
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		90.1400	56.01	-27.20	28.81	43.50	-14.69	peak	
2		170.6500	45.88	-17.52	28.36	43.50	-15.14	peak	
3		243.4000	44.31	-17.17	27.14	46.00	-18.86	peak	
4		406.3600	40.97	-14.83	26.14	46.00	-19.86	peak	
5	*	625.5800	49.89	-14.33	35.56	46.00	-10.44	peak	
6		775.9300	36.45	-6.93	29.52	46.00	-16.48	peak	



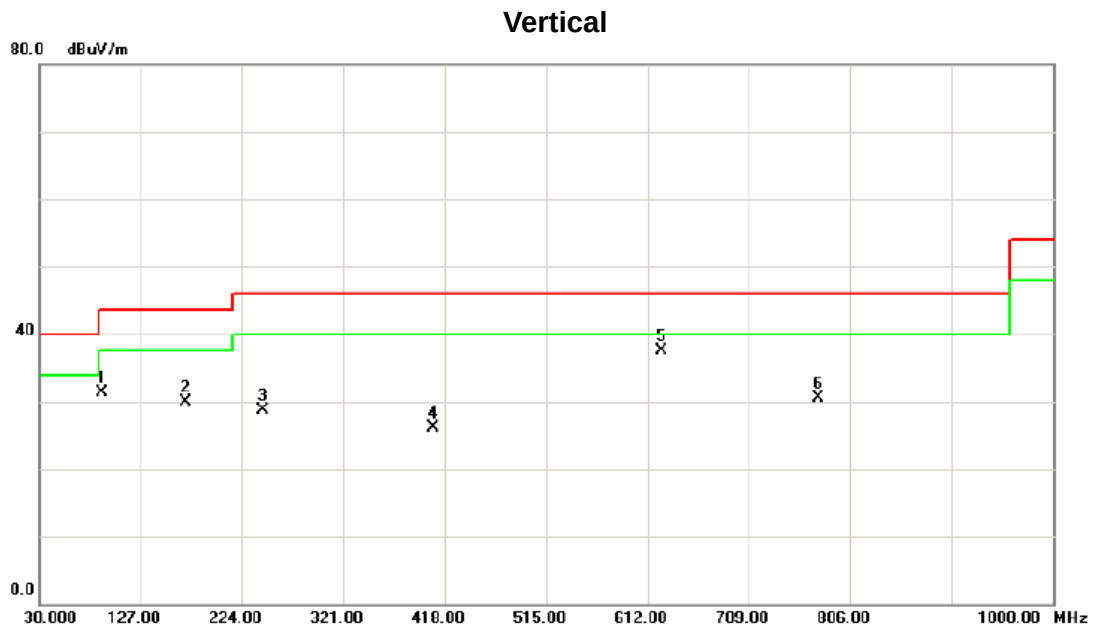
Test Mode: TX B MODE CHANNEL 01



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		72.6800	45.84	-25.46	20.38	40.00	-19.62	peak	
2		254.0700	51.35	-22.15	29.20	46.00	-16.80	peak	
3		403.4500	47.12	-14.83	32.29	46.00	-13.71	peak	
4		544.1000	43.21	-12.16	31.05	46.00	-14.95	peak	
5		622.6700	38.74	-11.21	27.53	46.00	-18.47	peak	
6	*	928.2200	39.47	-6.20	33.27	46.00	-12.73	peak	



Test Mode: TX B MODE CHANNEL 06

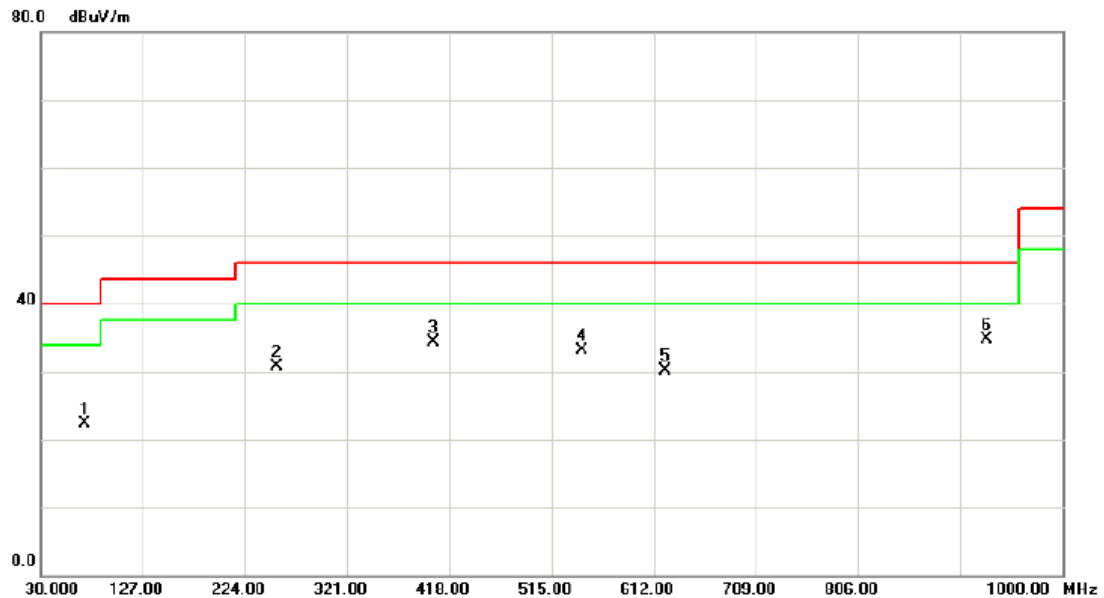


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		90.1400	58.51	-27.20	31.31	43.50	-12.19	peak	
2		170.6500	47.38	-17.52	29.86	43.50	-13.64	peak	
3		243.4000	45.81	-17.17	28.64	46.00	-17.36	peak	
4		406.3600	40.97	-14.83	26.14	46.00	-19.86	peak	
5	*	625.5800	51.89	-14.33	37.56	46.00	-8.44	peak	
6		775.9300	37.45	-6.93	30.52	46.00	-15.48	peak	



Test Mode:	TX B MODE CHANNEL 06
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Horizontal

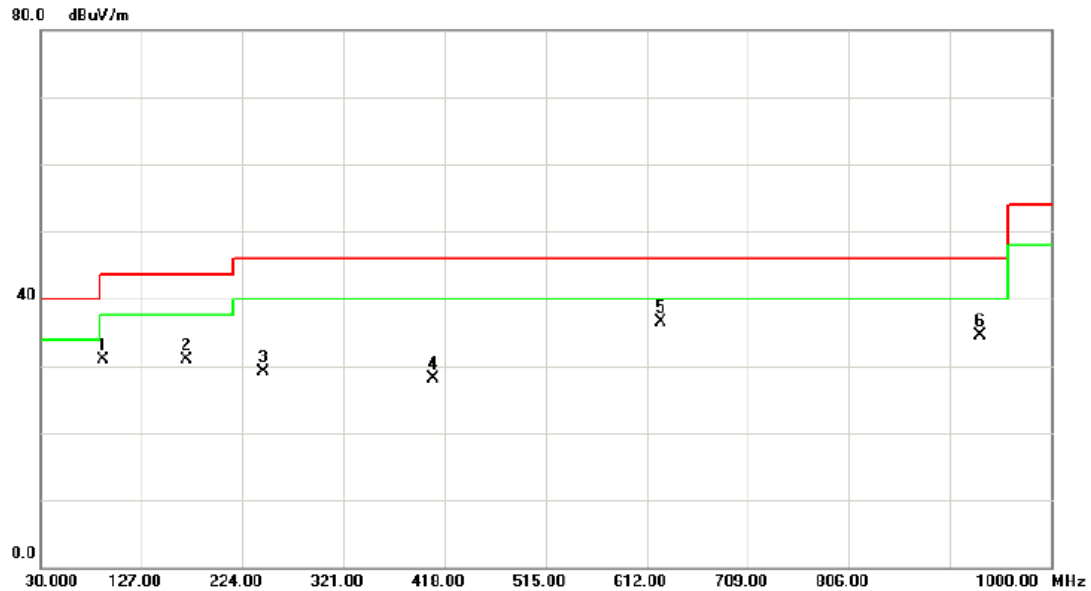


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		71.7100	47.56	-25.24	22.32	40.00	-17.68	peak	
2		254.0700	52.85	-22.15	30.70	46.00	-15.30	peak	
3		403.4500	49.12	-14.83	34.29	46.00	-11.71	peak	
4		544.1000	45.21	-12.16	33.05	46.00	-12.95	peak	
5		622.6700	41.24	-11.21	30.03	46.00	-15.97	peak	
6	*	928.2200	40.97	-6.20	34.77	46.00	-11.23	peak	



Test Mode:	TX B MODE CHANNEL 11
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Vertical

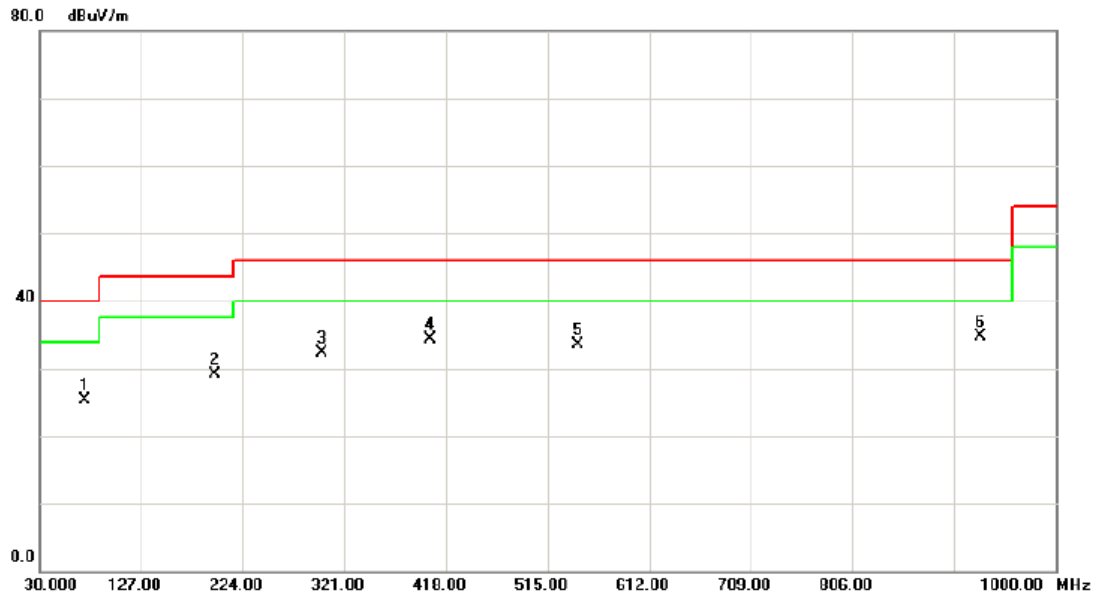


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		90.1400	58.01	-27.20	30.81	43.50	-12.69	peak	
2		170.6500	48.38	-17.52	30.86	43.50	-12.64	peak	
3		243.4000	46.31	-17.17	29.14	46.00	-16.86	peak	
4		406.3600	42.97	-14.83	28.14	46.00	-17.86	peak	
5	*	625.5800	50.89	-14.33	36.56	46.00	-9.44	peak	
6		932.1000	40.58	-6.13	34.45	46.00	-11.55	peak	



Test Mode: TX B MODE CHANNEL 11

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		72.6800	50.84	-25.46	25.38	40.00	-14.62	peak	
2		196.8400	52.21	-23.03	29.18	43.50	-14.32	peak	
3		299.6600	51.74	-19.45	32.29	46.00	-13.71	peak	
4		403.4500	49.12	-14.83	34.29	46.00	-11.71	peak	
5		544.1000	45.71	-12.16	33.55	46.00	-12.45	peak	
6	*	928.2200	40.97	-6.20	34.77	46.00	-11.23	peak	

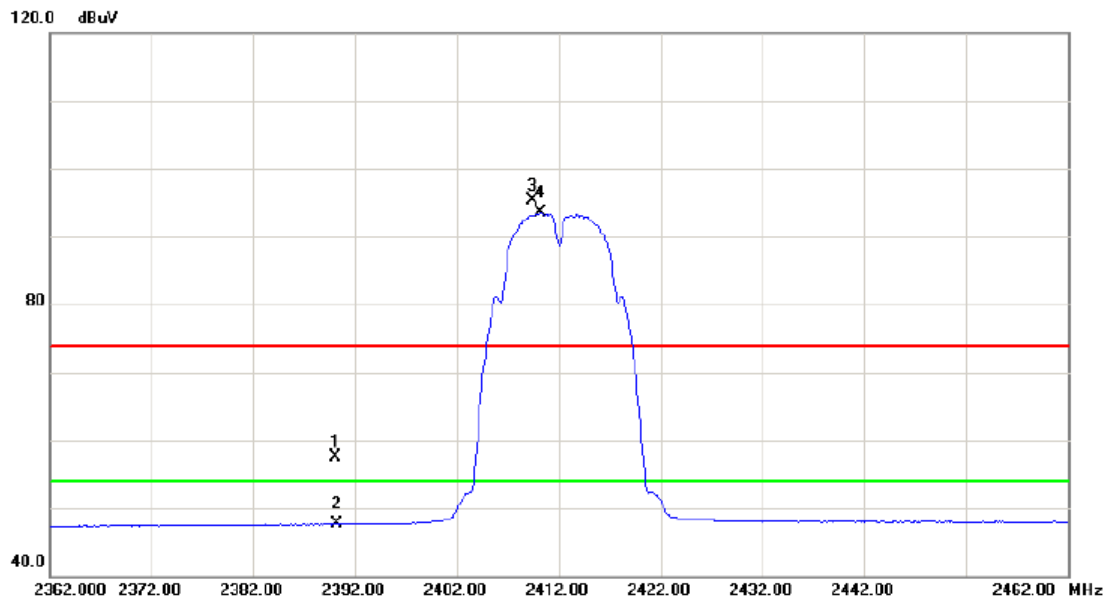


ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)



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

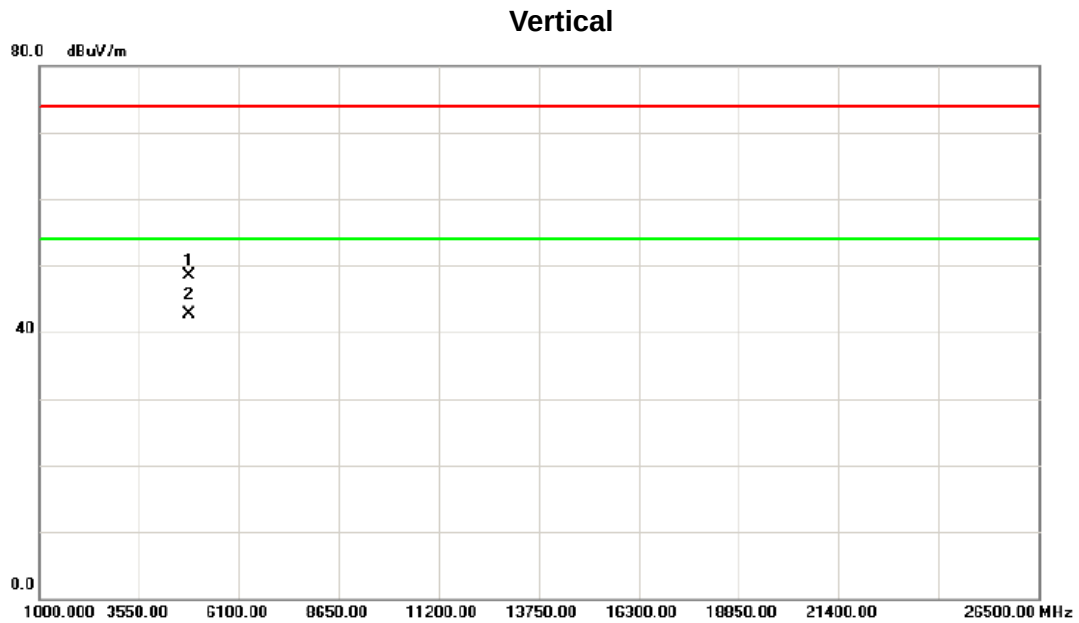
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2390.000	23.32	34.09	57.41	74.00	-16.59	peak	
2		2390.000	13.52	34.09	47.61	54.00	-6.39	AVG	
3	X	2409.400	61.23	34.15	95.38	74.00	21.38	peak	Fundamental frequency, no limit
4	*	2410.200	59.30	34.15	93.45	54.00	39.45	AVG	Fundamental frequency, no limit



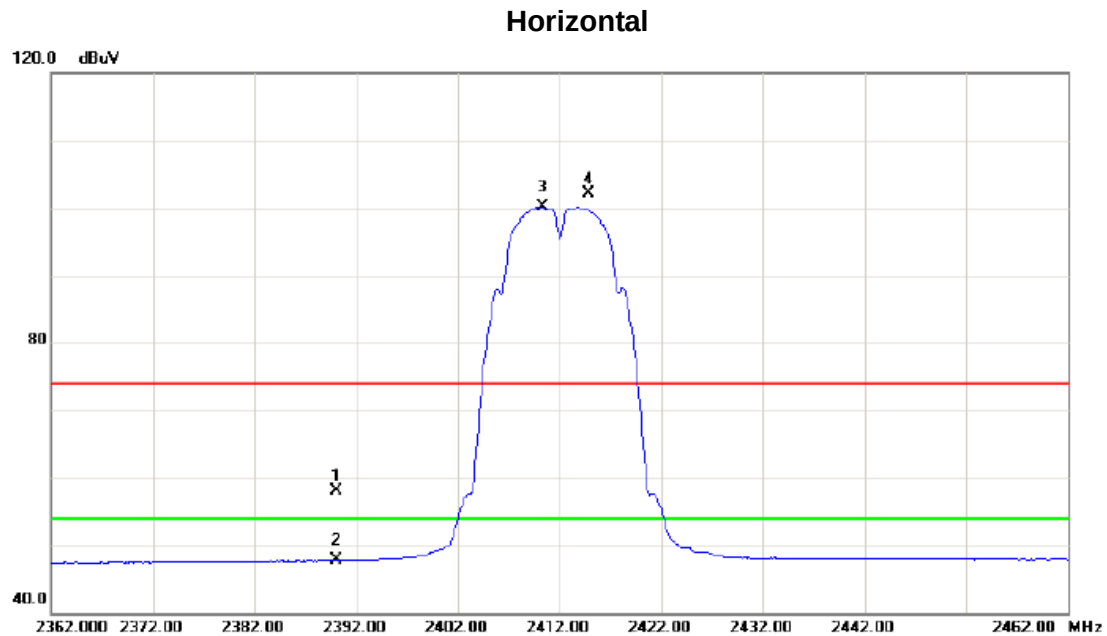
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	42.03	6.43	48.46	74.00	-25.54	peak	
2	*	4824.000	36.19	6.43	42.62	54.00	-11.38	AVG	



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

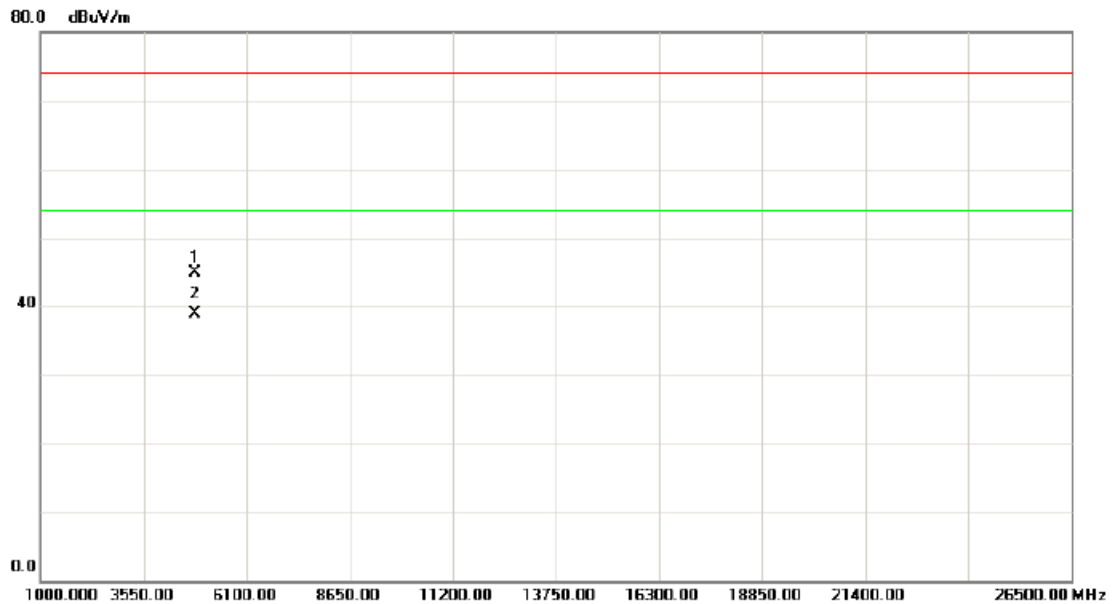


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2390.000	24.08	34.09	58.17	74.00	-15.83	peak	
2		2390.000	13.78	34.09	47.87	54.00	-6.13	AVG	
3	*	2410.300	66.04	34.15	100.19	54.00	46.19	AVG	Fundamental frequency, no limit
4	X	2414.800	68.03	34.16	102.19	74.00	28.19	peak	Fundamental frequency, no limit



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

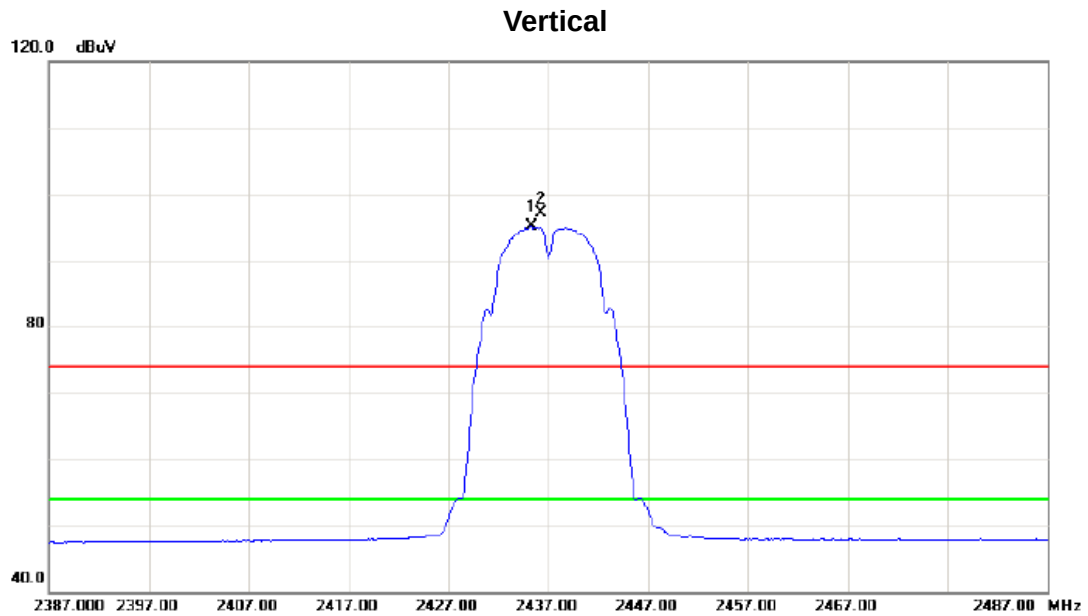
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	38.57	6.43	45.00	74.00	-29.00	peak	
2	*	4824.000	32.39	6.43	38.82	54.00	-15.18	AVG	



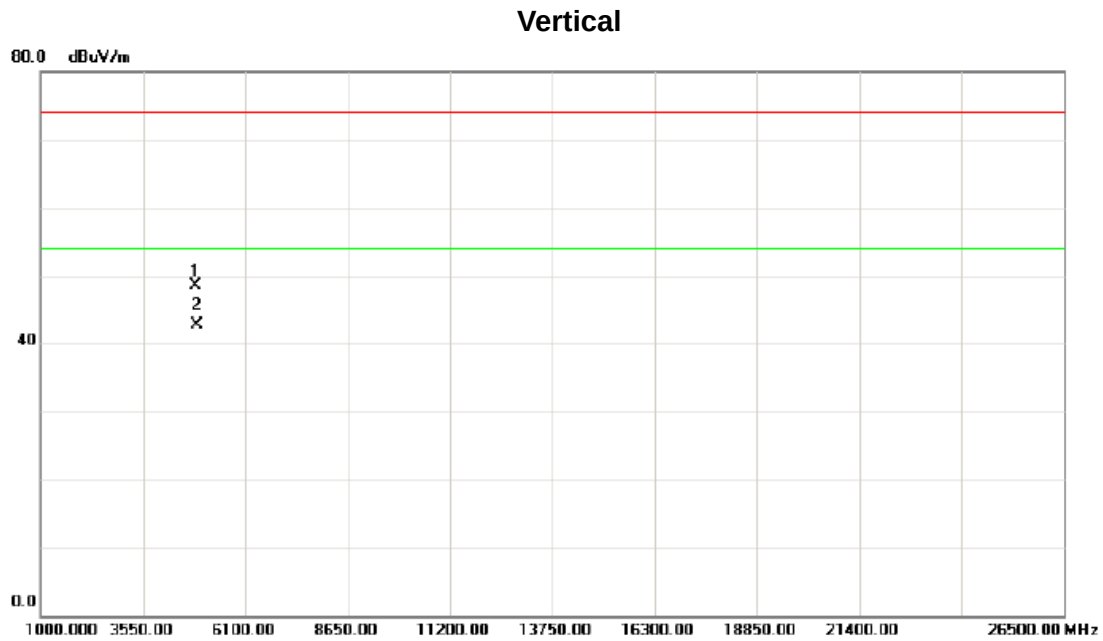
Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2435.300	60.85	34.23	95.08	54.00	41.08	AVG	Fundamental frequency, no limit
2	X	2436.200	62.79	34.23	97.02	74.00	23.02	peak	Fundamental frequency, no limit



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

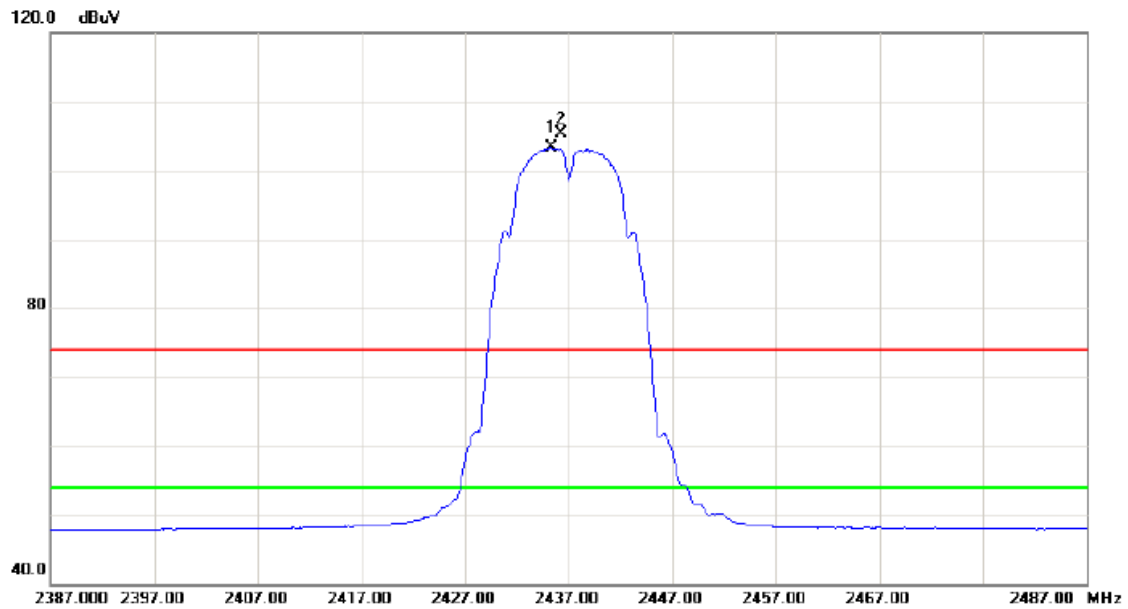


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.030	41.88	6.58	48.46	74.00	-25.54	peak	
2	*	4874.090	36.04	6.58	42.62	54.00	-11.38	AVG	



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

Horizontal

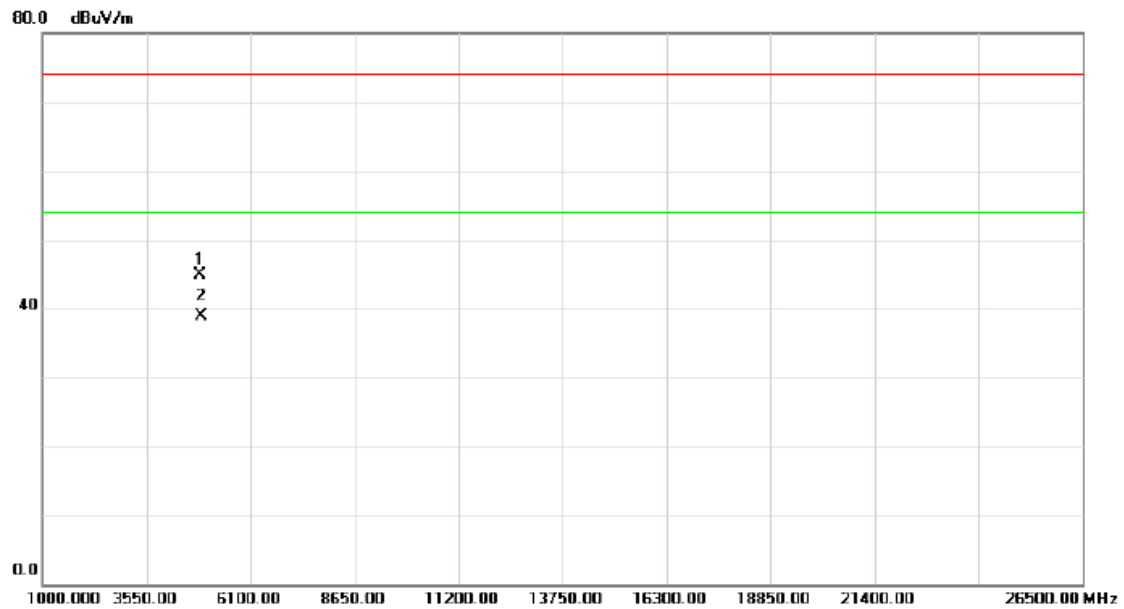


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2435.300	69.10	34.23	103.33	54.00	49.33	AVG	Fundamental frequency, no limit
2	X	2436.200	71.15	34.23	105.38	74.00	31.38	peak	Fundamental frequency, no limit



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

Horizontal

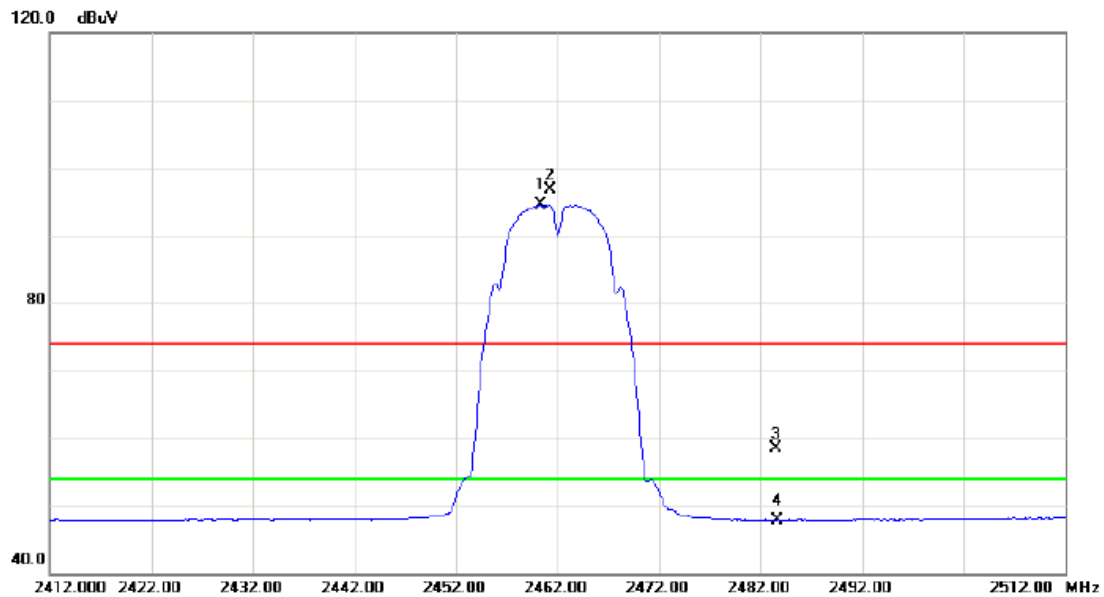


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.050	38.42	6.58	45.00	74.00	-29.00	peak	
2	*	4874.080	32.24	6.58	38.82	54.00	-15.18	AVG	



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

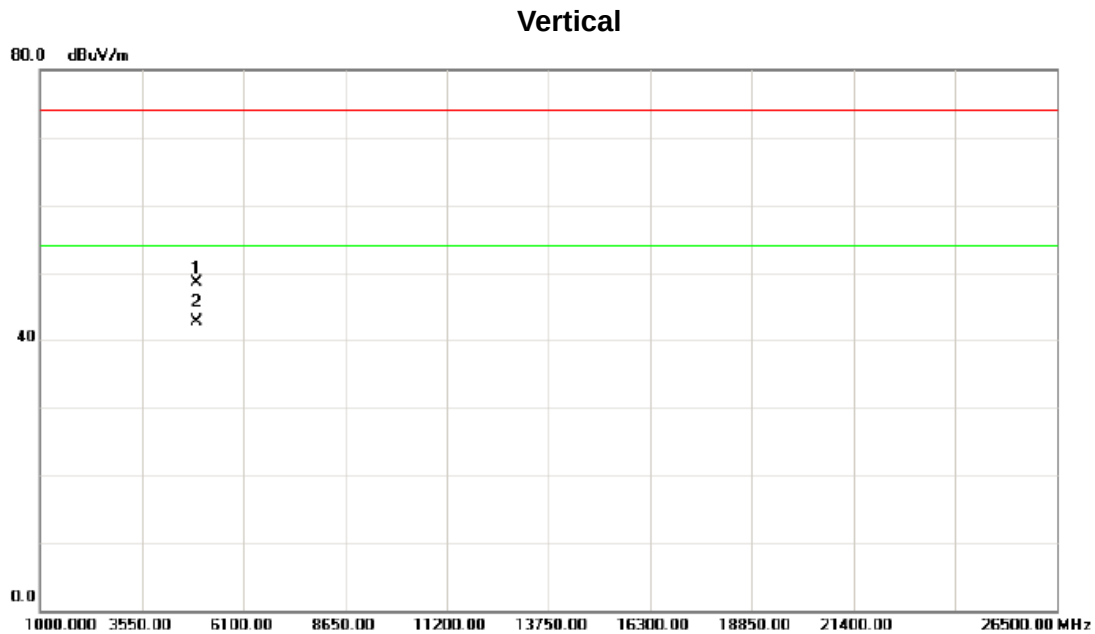
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2460.300	60.30	34.30	94.60	54.00	40.60	AVG	Fundamental frequency, no limit
2	X	2461.200	62.37	34.31	96.68	74.00	22.68	peak	Fundamental frequency, no limit
3		2483.500	24.15	34.37	58.52	74.00	-15.48	peak	
4		2483.500	13.62	34.37	47.99	54.00	-6.01	AVG	



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

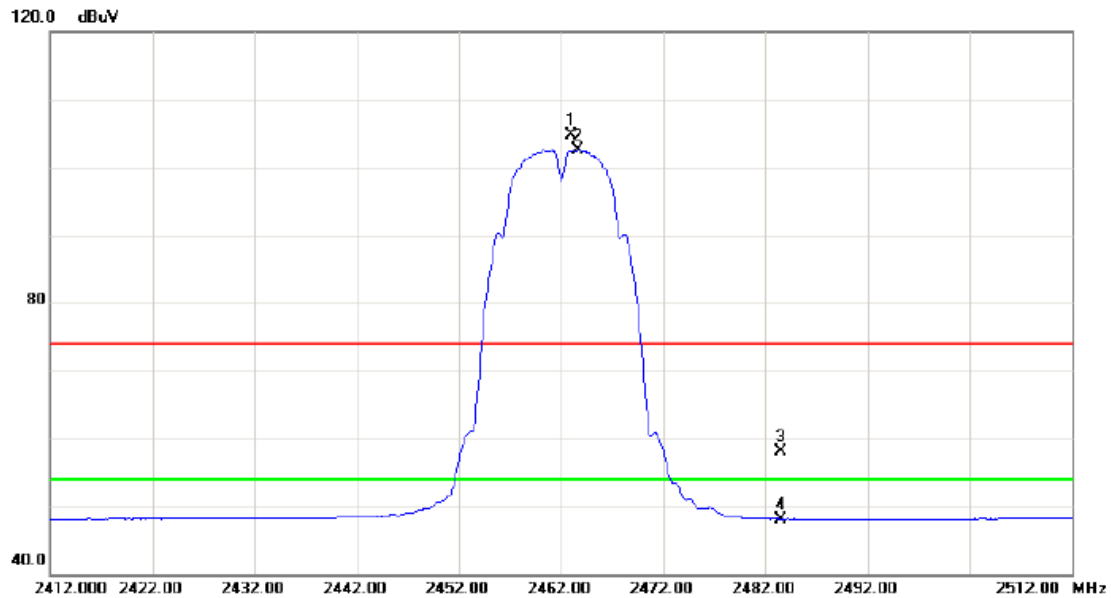


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	41.74	6.72	48.46	74.00	-25.54	peak	
2	*	4924.000	35.90	6.72	42.62	54.00	-11.38	AVG	



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

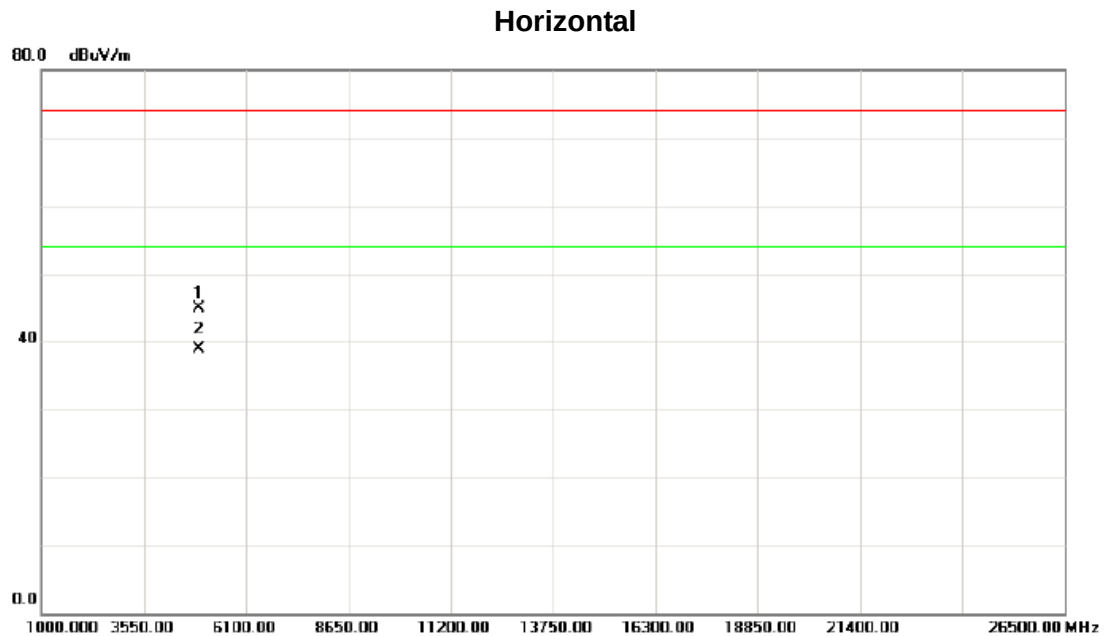
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2463.000	70.35	34.31	104.66	74.00	30.66	peak	Fundamental frequency, no limit
2	X	2463.700	68.29	34.31	102.60	74.00	28.60	peak	Fundamental frequency, no limit
3		2483.500	23.79	34.37	58.16	74.00	-15.84	peak	
4		2483.500	13.82	34.37	48.19	74.00	-25.81	peak	



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

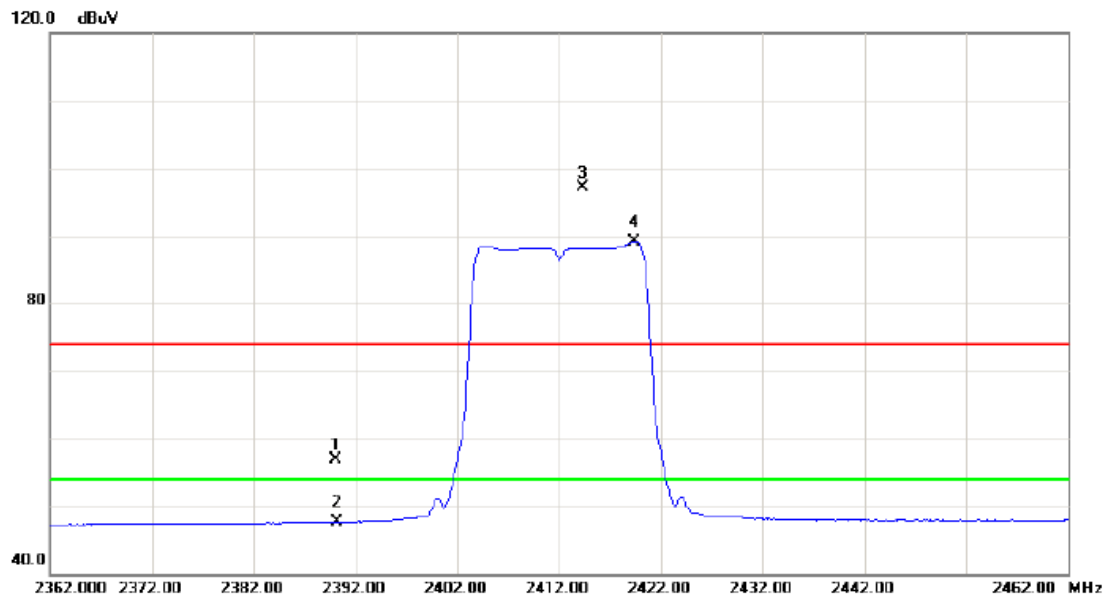


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	38.28	6.72	45.00	74.00	-29.00	peak	
2	*	4924.000	32.10	6.72	38.82	54.00	-15.18	AVG	



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

Vertical

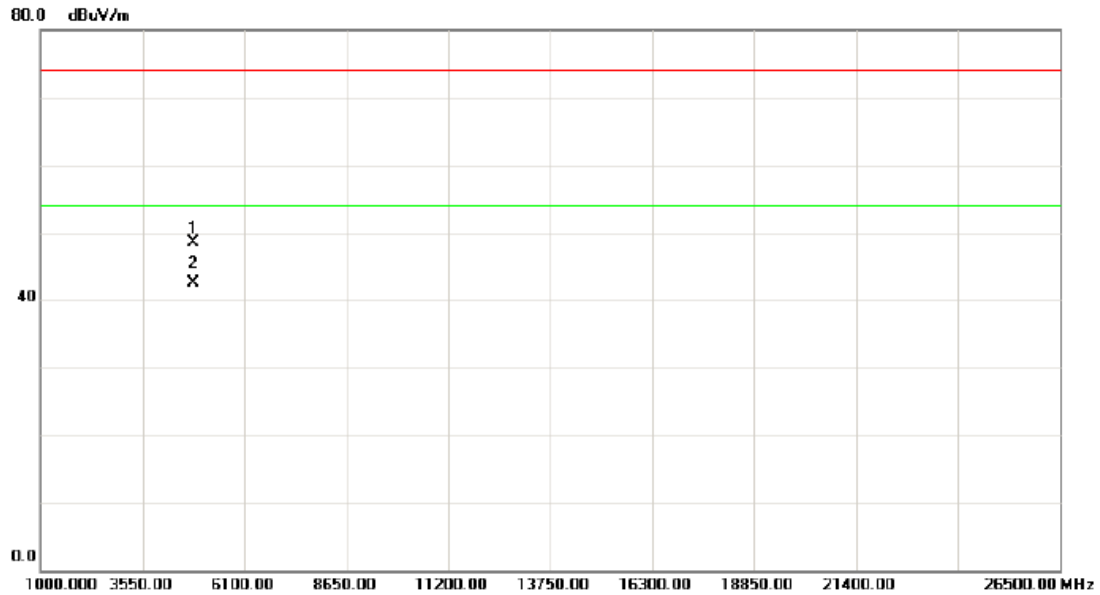


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2390.000	22.89	34.09	56.98	74.00	-17.02	peak	
2		2390.000	13.56	34.09	47.65	54.00	-6.35	AVG	
3	X	2414.300	62.94	34.16	97.10	74.00	23.10	peak	Fundamental frequency, no limit
4	*	2419.400	54.97	34.18	89.15	54.00	35.15	AVG	Fundamental frequency, no limit



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

Vertical

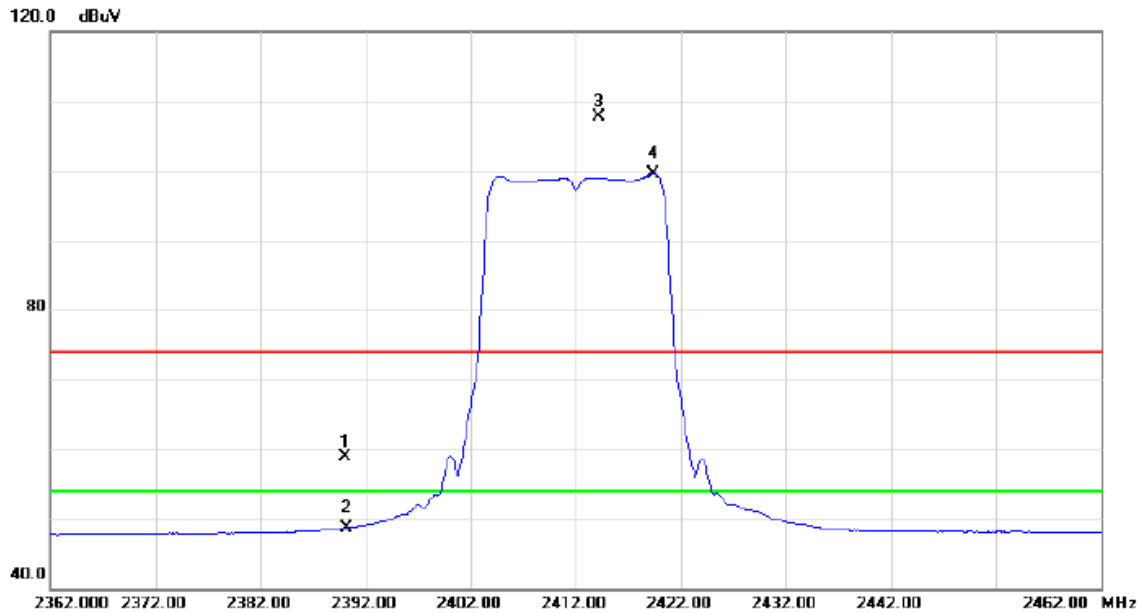


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	42.15	6.43	48.58	74.00	-25.42	peak	
2	*	4824.000	36.10	6.43	42.53	54.00	-11.47	AVG	



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

Horizontal

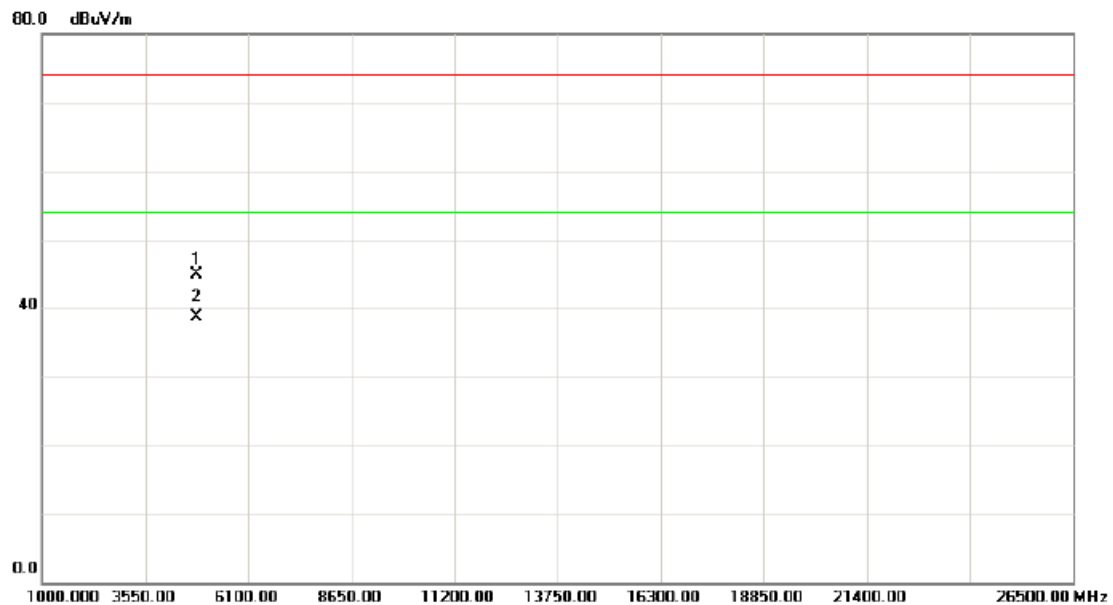


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2390.000	24.76	34.09	58.85	74.00	-15.15	peak	
2		2390.000	14.67	34.09	48.76	54.00	-5.24	AVG	
3	X	2414.200	73.59	34.16	107.75	74.00	33.75	peak	Fundamental frequency, no limit
4	*	2419.400	65.26	34.18	99.44	54.00	45.44	AVG	Fundamental frequency, no limit



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

Horizontal

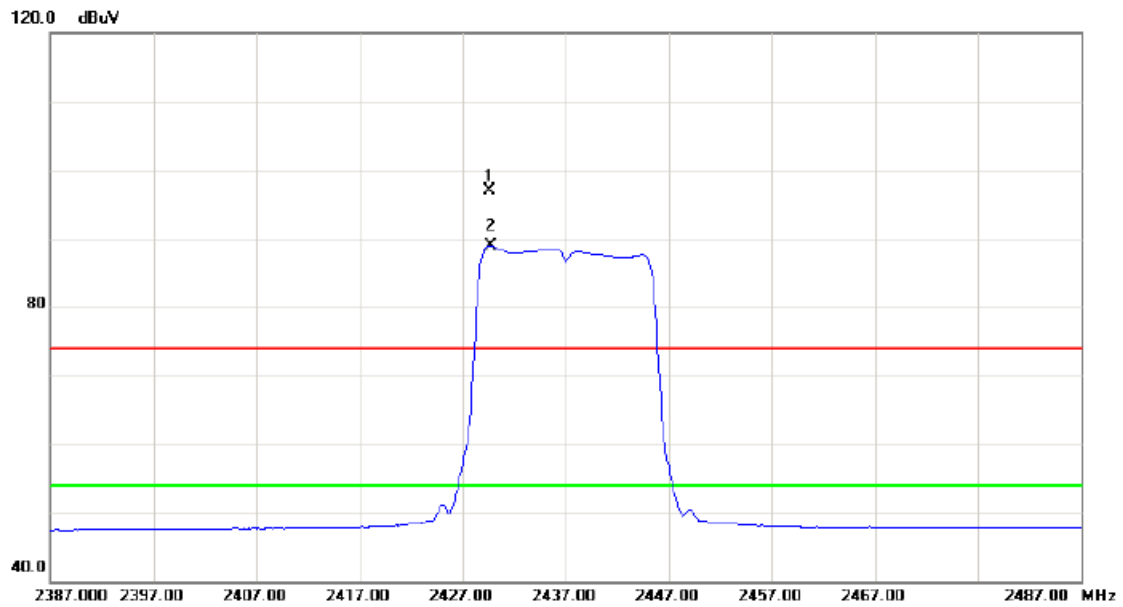


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	38.51	6.43	44.94	74.00	-29.06	peak	
2	*	4824.000	32.33	6.43	38.76	54.00	-15.24	AVG	



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

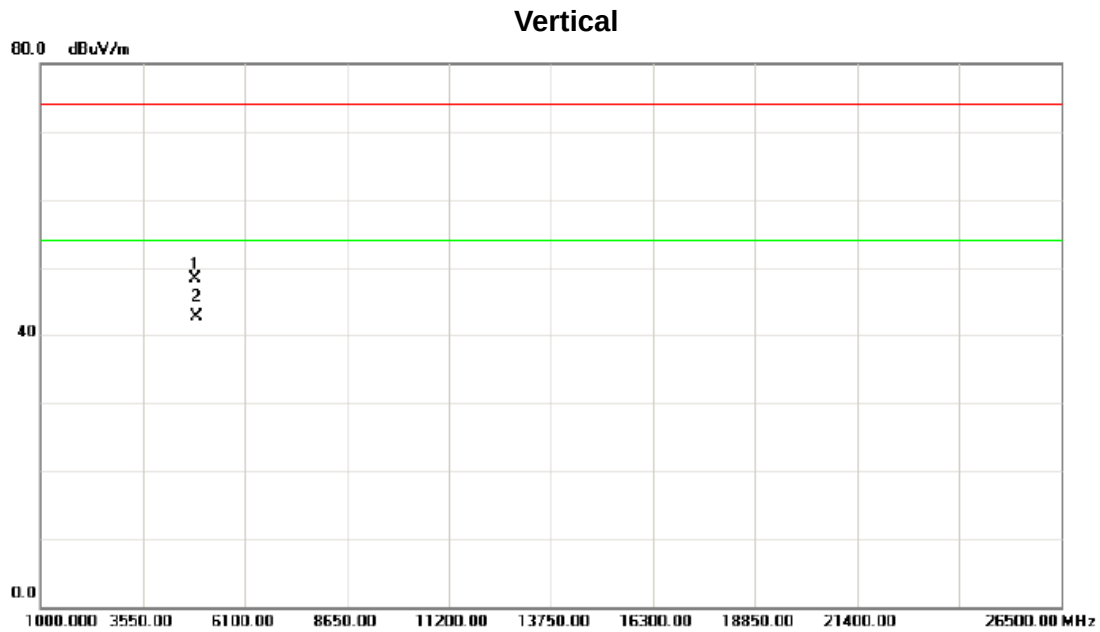
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	X	2429.600	62.77	34.21	96.98	74.00	22.98	peak	Fundamental frequency, no limit
2	*	2429.700	54.78	34.21	88.99	54.00	34.99	AVG	Fundamental frequency, no limit



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

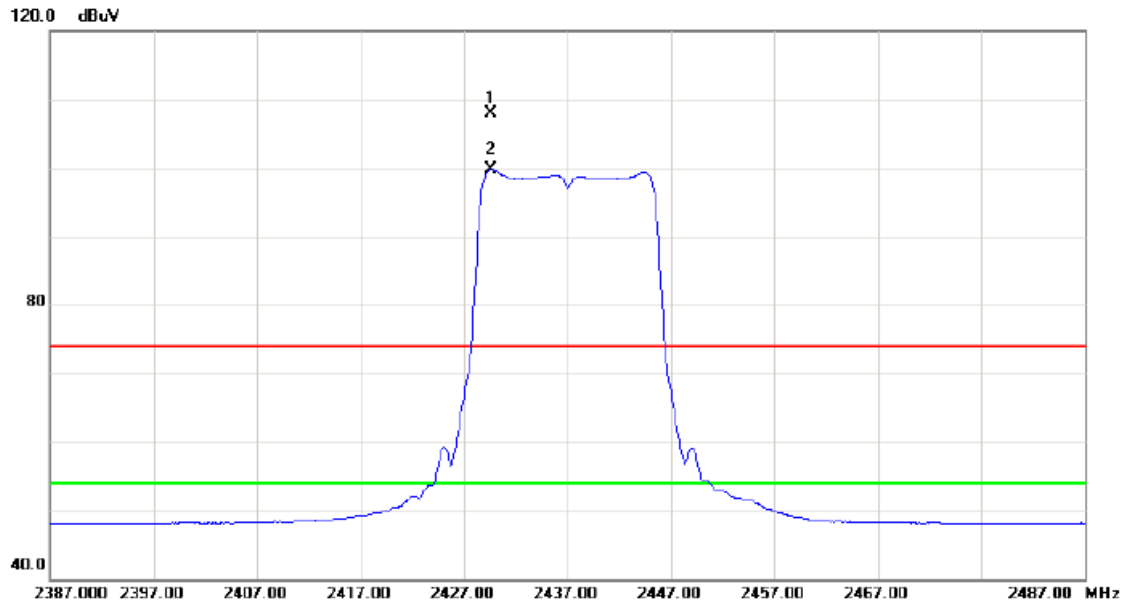


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	41.82	6.58	48.40	74.00	-25.60	peak	
2	*	4874.000	36.11	6.58	42.69	54.00	-11.31	AVG	



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

Horizontal

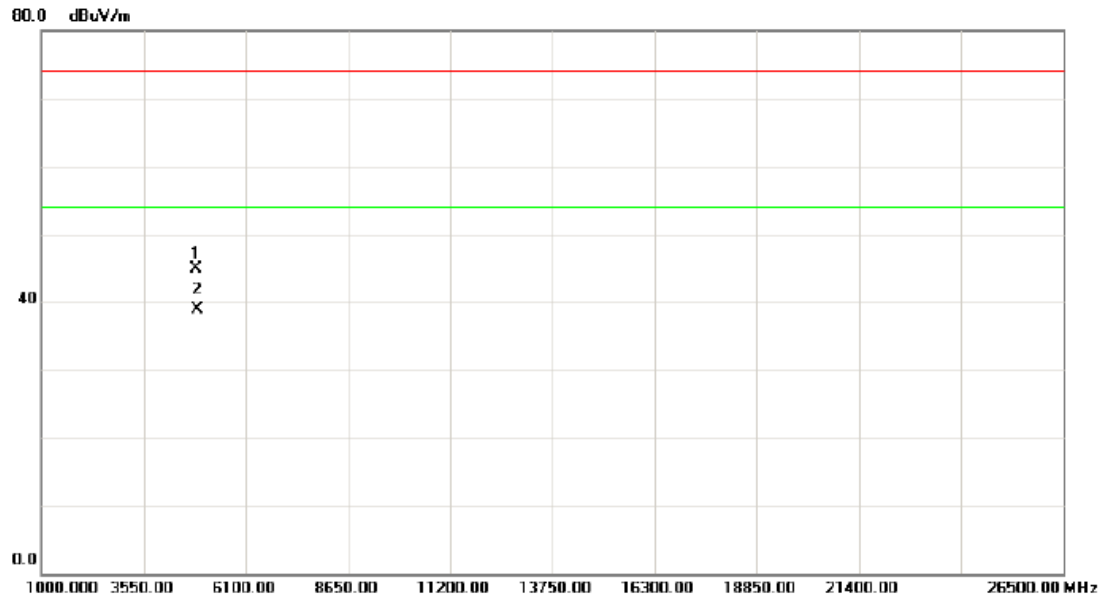


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	X	2429.600	73.66	34.21	107.87	74.00	33.87	peak	Fundamental frequency, no limit
2	*	2429.600	65.41	34.21	99.62	54.00	45.62	AVG	Fundamental frequency, no limit



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

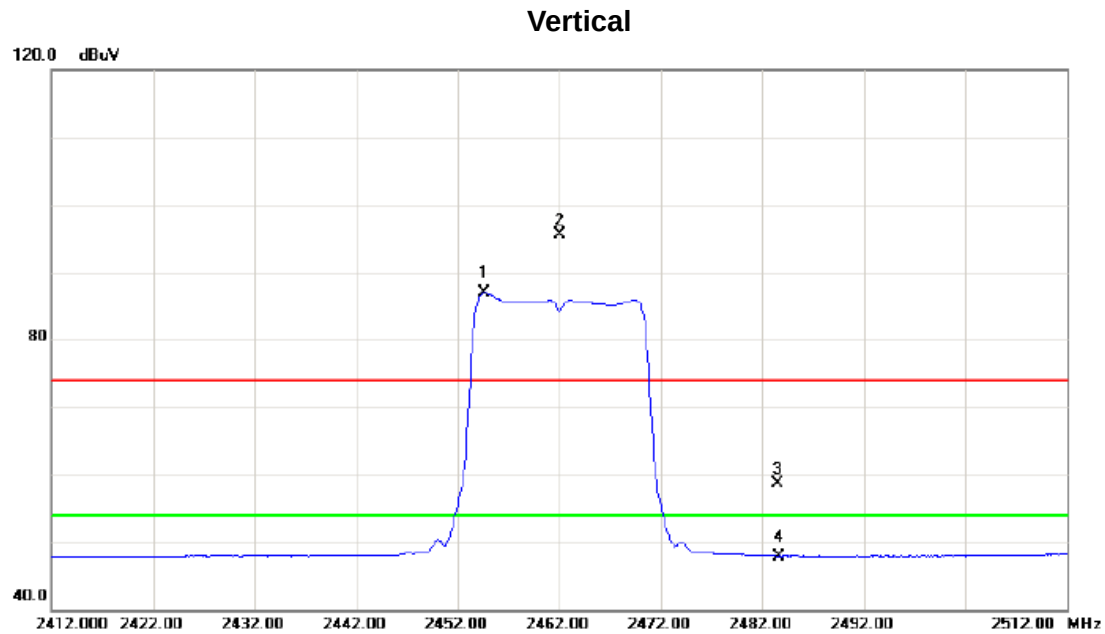
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	38.35	6.58	44.93	74.00	-29.07	peak	
2	*	4874.000	32.29	6.58	38.87	54.00	-15.13	AVG	



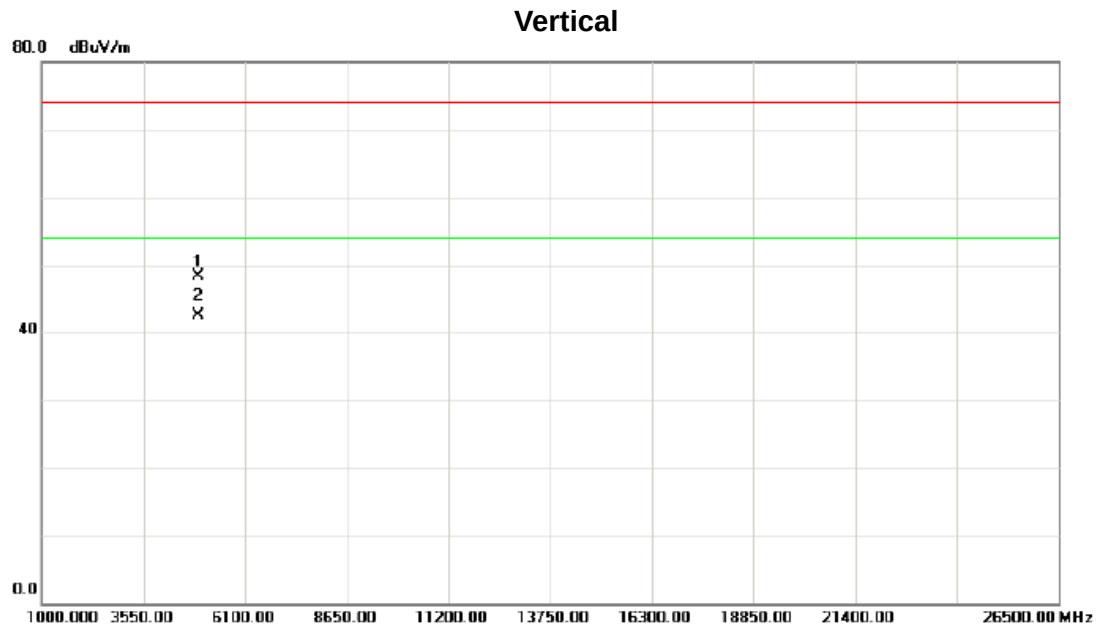
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2454.600	52.58	34.29	86.87	54.00	32.87	AVG	Fundamental frequency, no limit
2	X	2462.000	61.15	34.31	95.46	74.00	21.46	peak	Fundamental frequency, no limit
3		2483.500	24.32	34.37	58.69	74.00	-15.31	peak	
4		2483.500	13.60	34.37	47.97	54.00	-6.03	AVG	



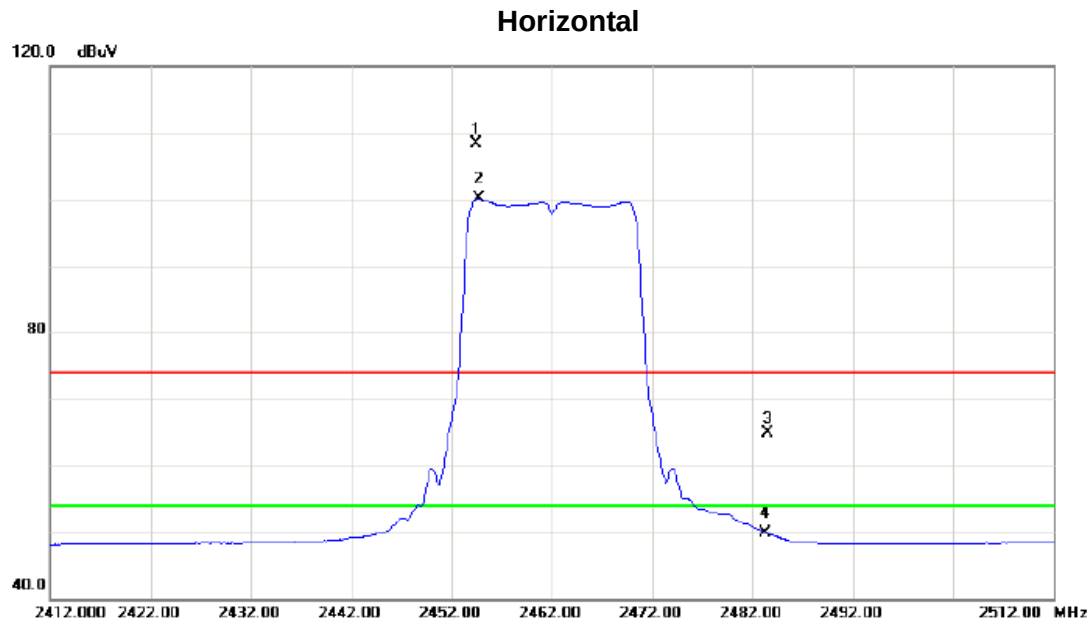
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	41.65	6.72	48.37	74.00	-25.63	peak	
2	*	4924.000	35.83	6.72	42.55	54.00	-11.45	AVG	



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

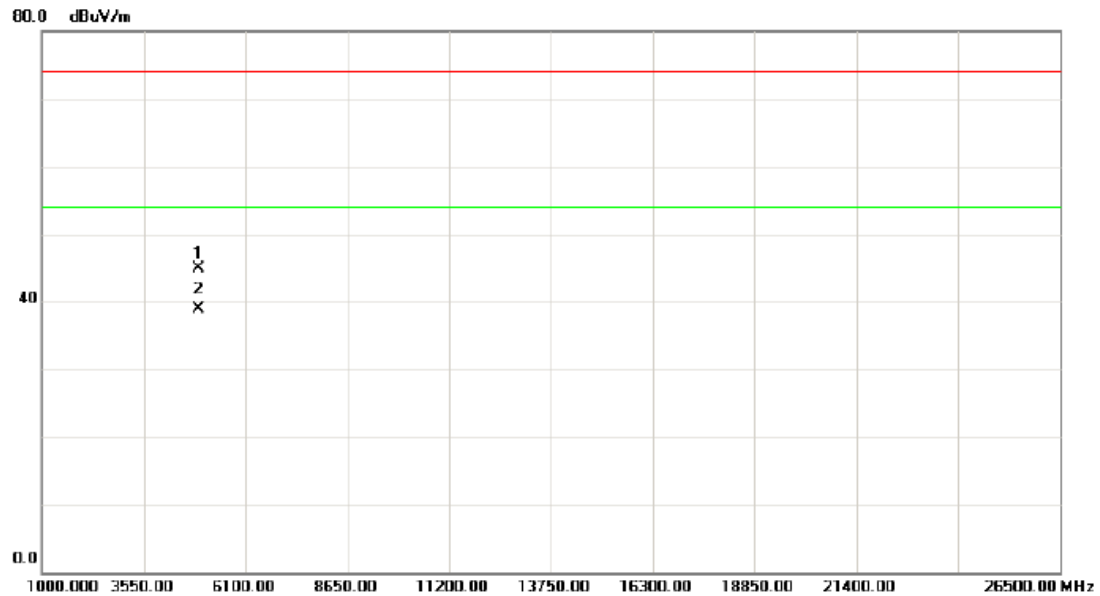


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	X	2454.500	74.01	34.29	108.30	74.00	34.30	peak	Fundamental frequency, no limit
2	*	2454.700	65.77	34.29	100.06	54.00	46.06	AVG	Fundamental frequency, no limit
3		2483.500	30.61	34.37	64.98	74.00	-9.02	peak	
4		2483.500	15.57	34.37	49.94	54.00	-4.06	AVG	



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

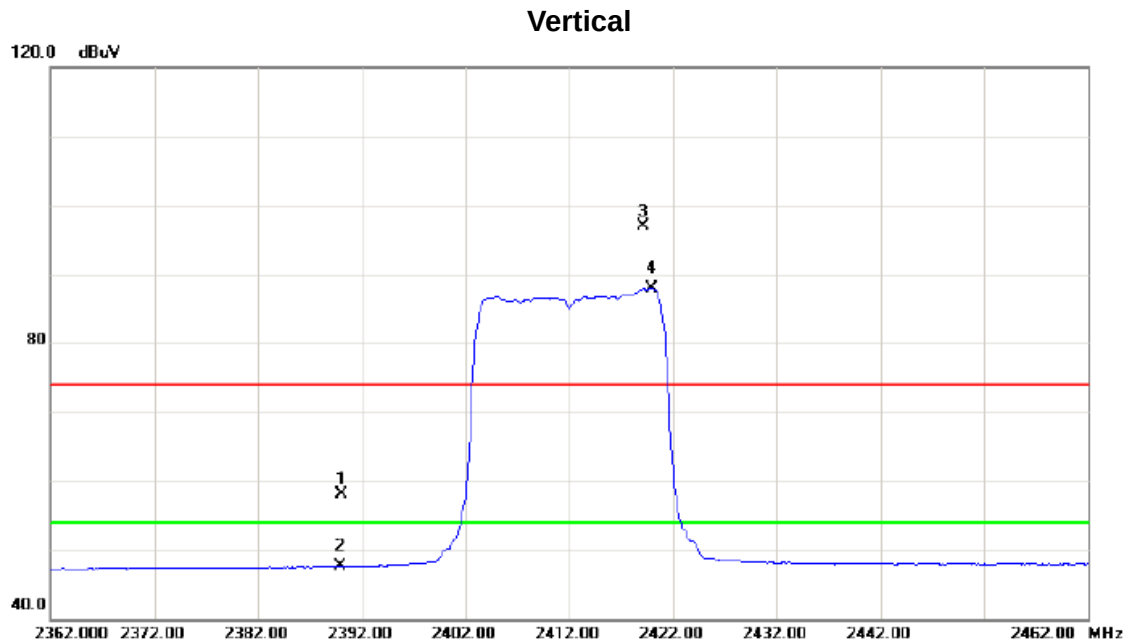
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	38.24	6.72	44.96	74.00	-29.04	peak	
2	*	4924.000	32.18	6.72	38.90	54.00	-15.10	AVG	



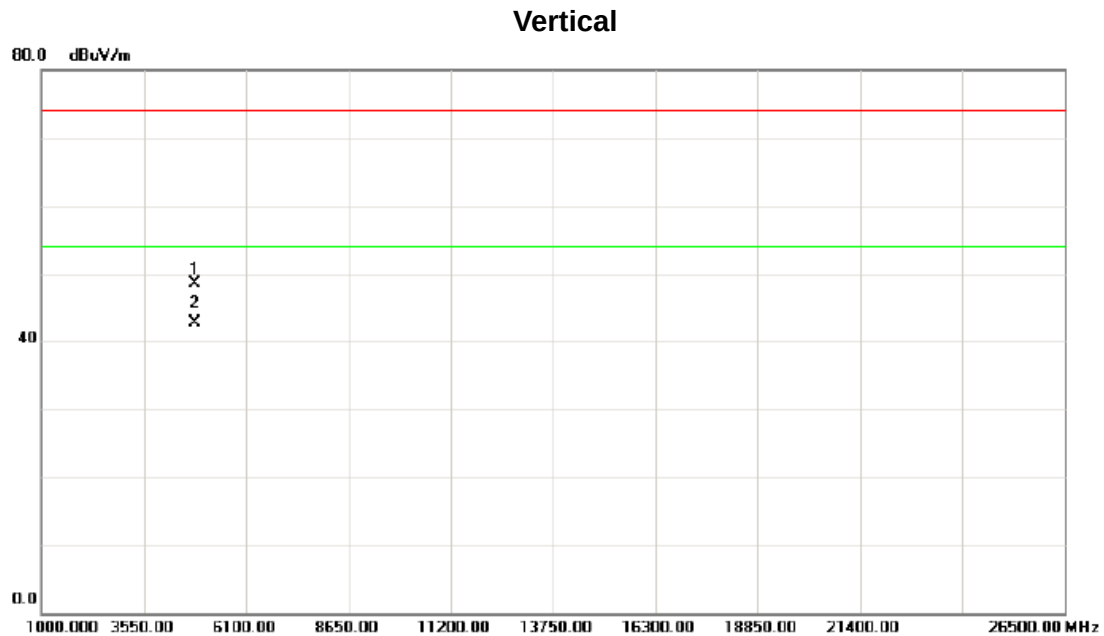
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2390.000	23.93	34.09	58.02	74.00	-15.98	peak	
2		2390.000	13.62	34.09	47.71	54.00	-6.29	AVG	
3	X	2419.100	62.69	34.18	96.87	74.00	22.87	peak	Fundamental frequency, no limit
4	*	2419.900	53.75	34.18	87.93	54.00	33.93	AVG	Fundamental frequency, no limit



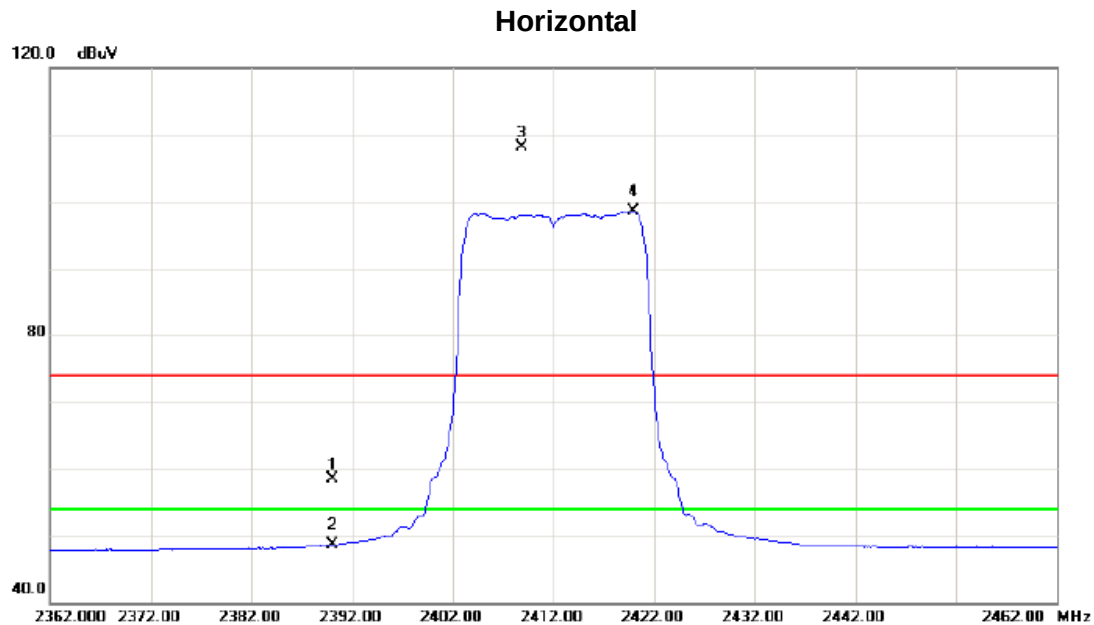
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	42.12	6.43	48.55	74.00	-25.45	peak	
2	*	4824.000	36.23	6.43	42.66	54.00	-11.34	AVG	



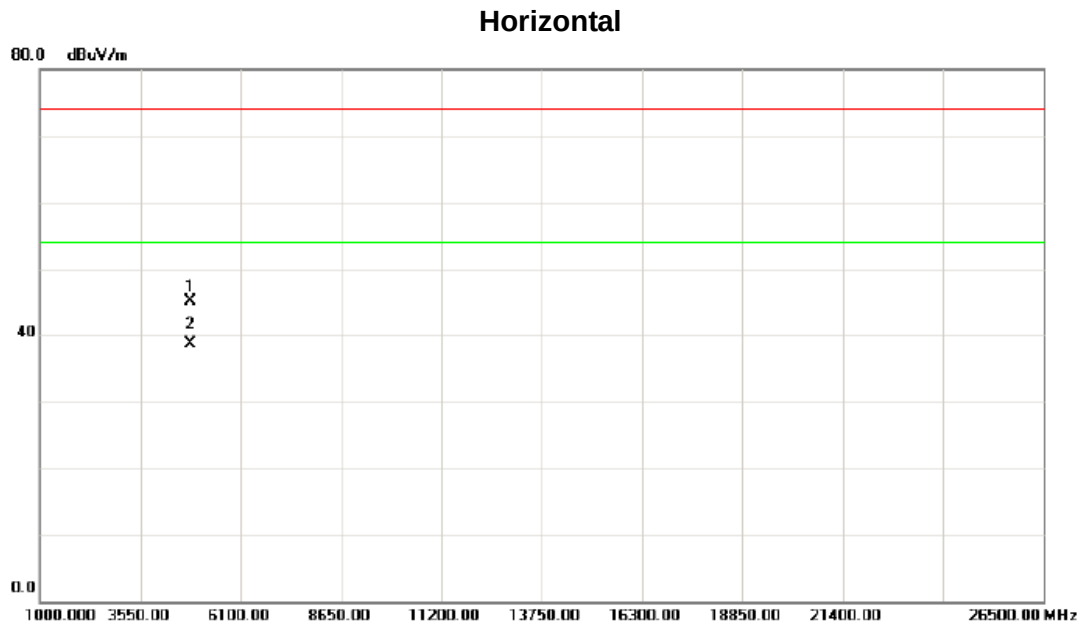
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2390.000	24.36	34.09	58.45	74.00	-15.55	peak	
2		2390.000	14.66	34.09	48.75	54.00	-5.25	AVG	
3	X	2408.900	74.03	34.14	108.17	74.00	34.17	peak	Fundamental frequency, no limit
4	*	2419.900	64.39	34.18	98.57	54.00	44.57	AVG	Fundamental frequency, no limit



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

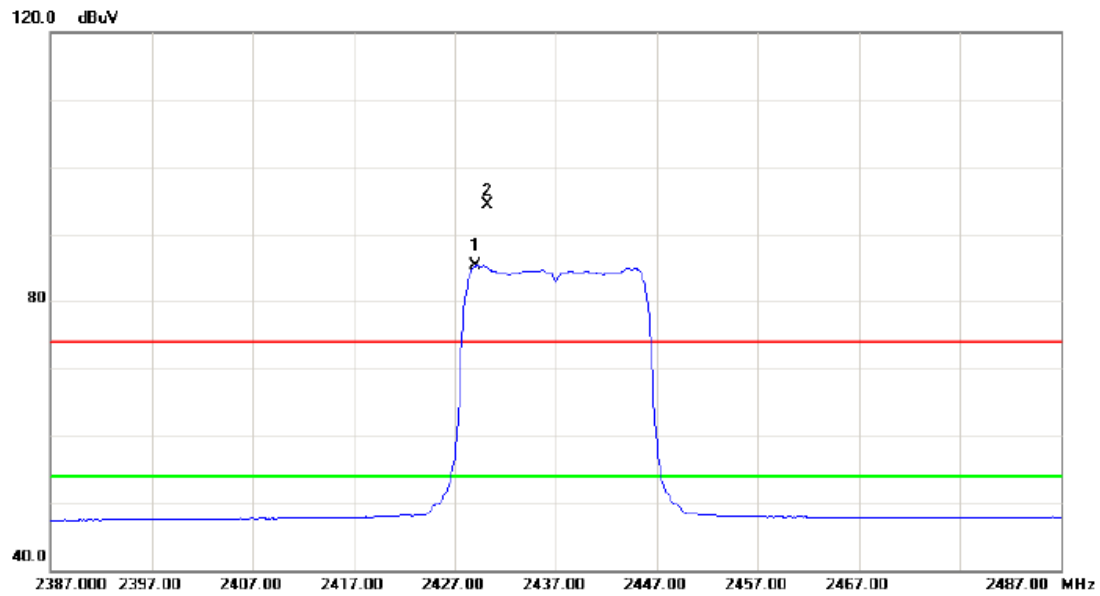


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	38.63	6.43	45.06	74.00	-28.94	peak	
2	*	4824.000	32.31	6.43	38.74	54.00	-15.26	AVG	



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

Vertical

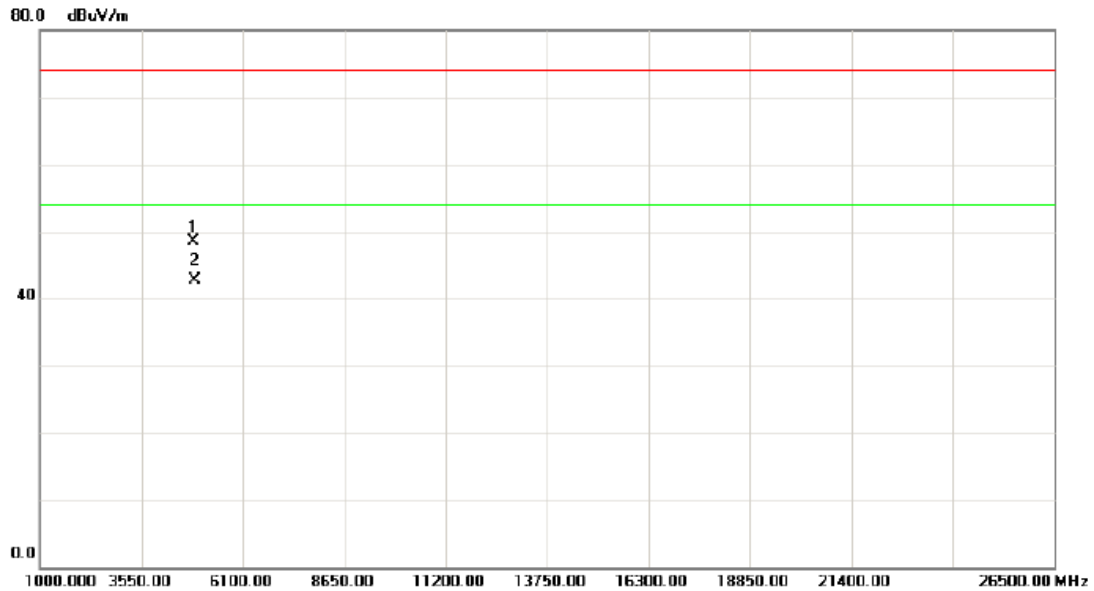


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2429.100	51.03	34.21	85.24	54.00	31.24	AVG	Fundamental frequency, no limit
2	X	2430.200	60.00	34.21	94.21	74.00	20.21	peak	Fundamental frequency, no limit



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

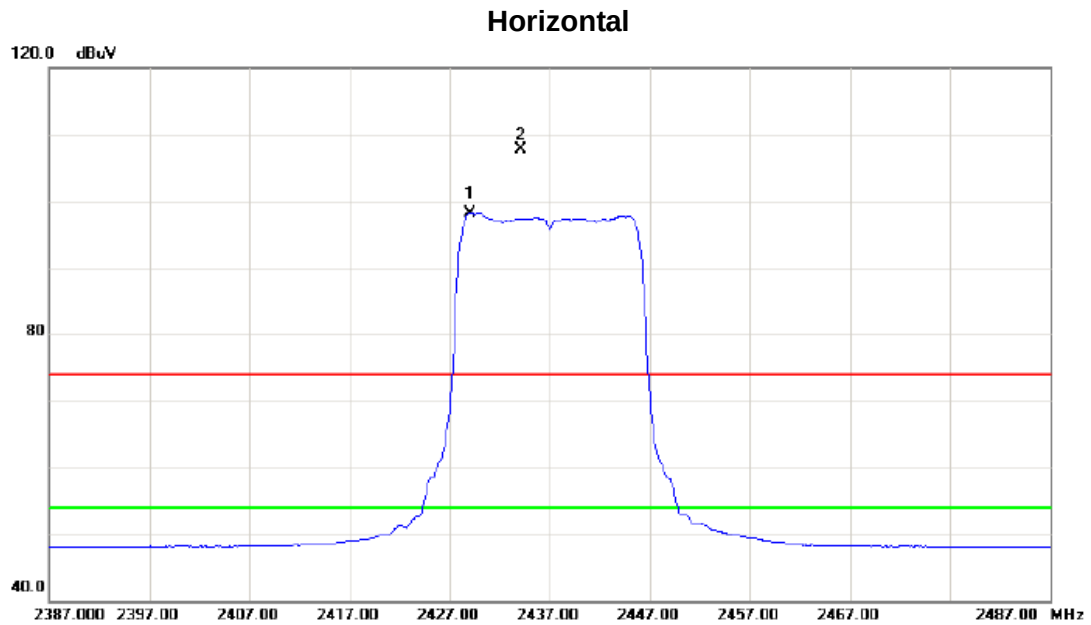
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	41.86	6.58	48.44	74.00	-25.56	peak	
2	*	4874.000	36.15	6.58	42.73	54.00	-11.27	AVG	



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

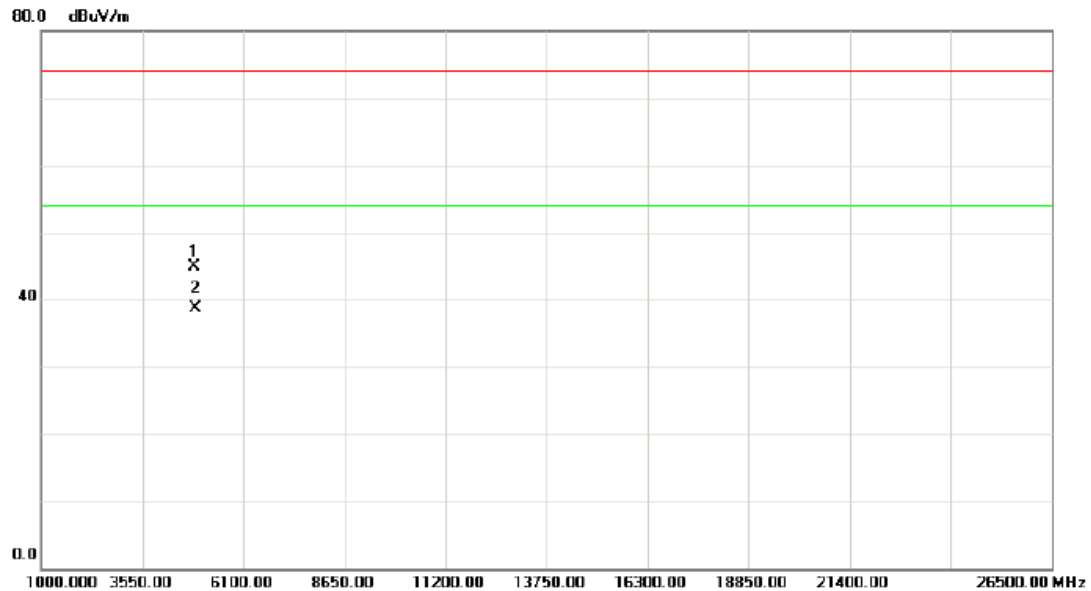


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2429.100	63.95	34.21	98.16	54.00	44.16	AVG	Fundamental frequency, no limit
2	X	2434.100	73.53	34.22	107.75	74.00	33.75	peak	Fundamental frequency, no limit



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

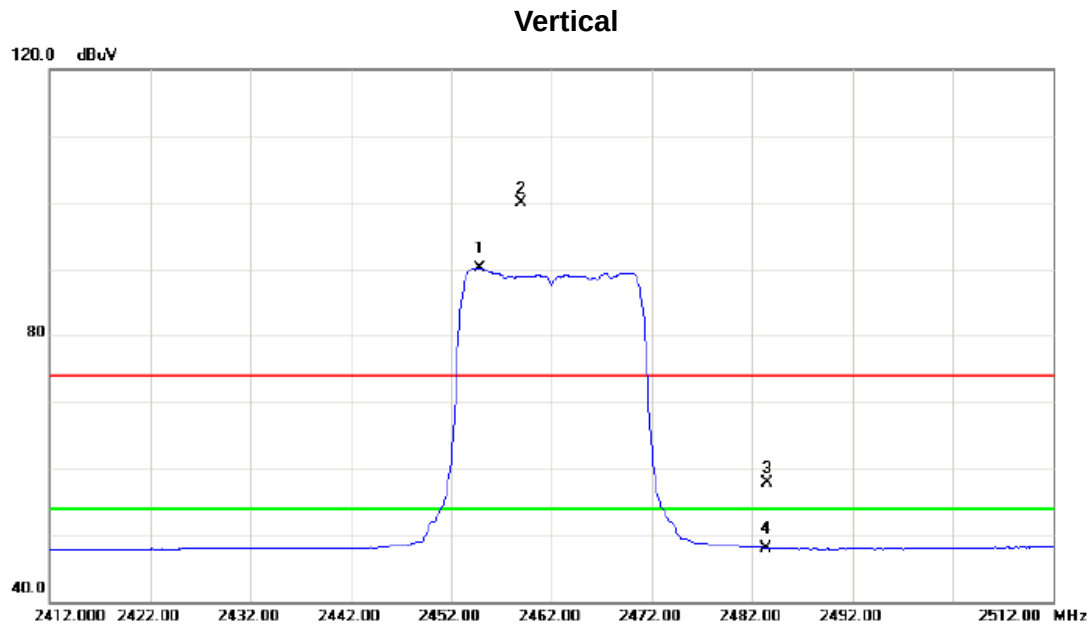
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	38.35	6.58	44.93	74.00	-29.07	peak	
2	*	4874.000	32.16	6.58	38.74	54.00	-15.26	AVG	



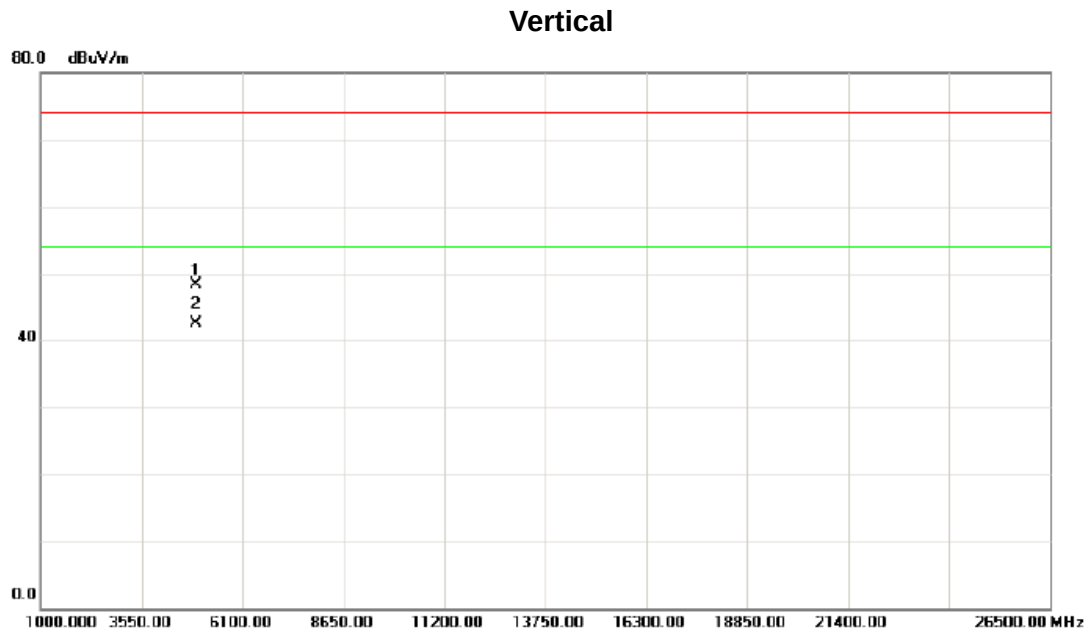
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2454.900	55.84	34.29	90.13	54.00	36.13	AVG	Fundamental frequency, no limit
2	X	2459.000	65.69	34.29	99.98	74.00	25.98	peak	Fundamental frequency, no limit
3		2483.500	23.54	34.37	57.91	74.00	-16.09	peak	
4		2483.500	13.81	34.37	48.18	54.00	-5.82	AVG	



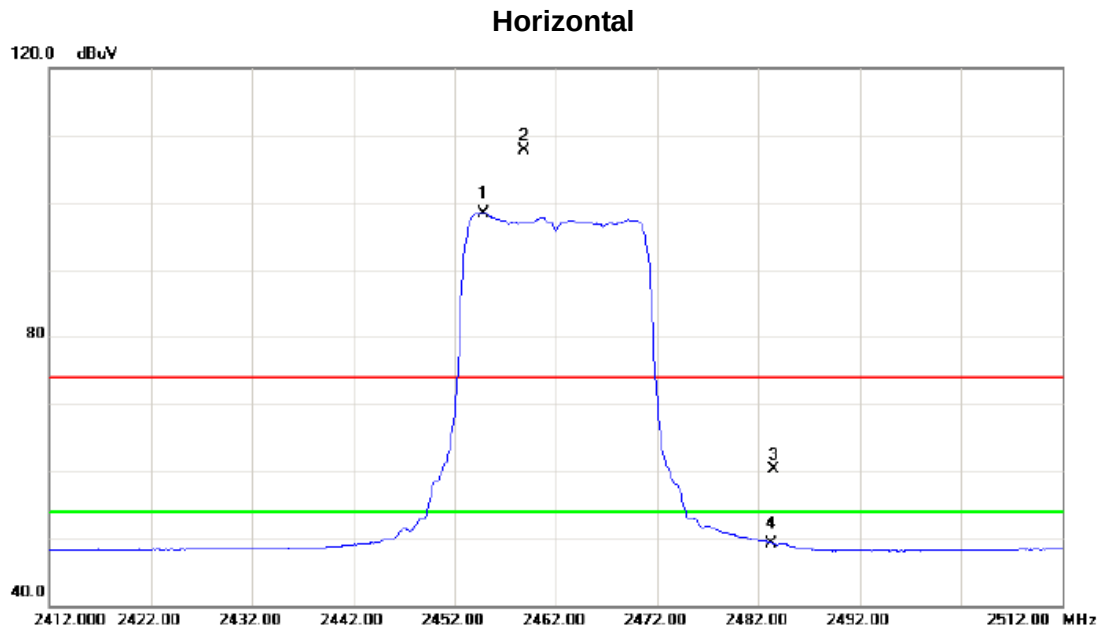
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	41.68	6.72	48.40	74.00	-25.60	peak	
2	*	4924.000	35.84	6.72	42.56	54.00	-11.44	AVG	



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

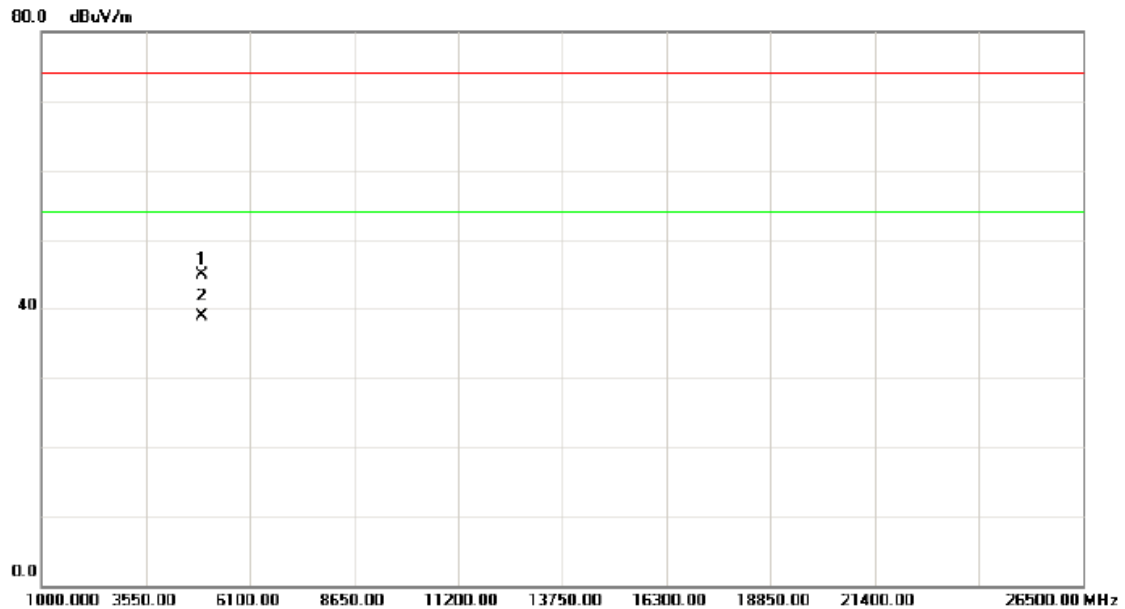


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2454.800	64.05	34.29	98.34	54.00	44.34	AVG	Fundamental frequency, no limit
2	X	2458.800	73.41	34.29	107.70	74.00	33.70	peak	Fundamental frequency, no limit
3		2483.500	25.98	34.37	60.35	74.00	-13.65	peak	
4		2483.500	14.92	34.37	49.29	54.00	-4.71	AVG	



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

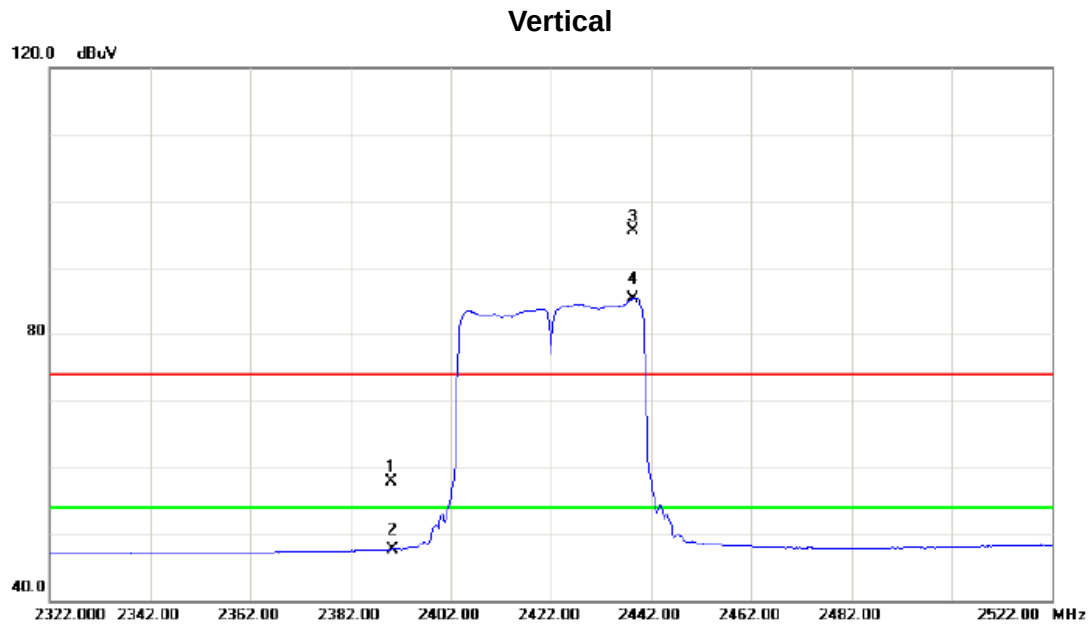
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.000	38.25	6.72	44.97	74.00	-29.03	peak	
2	*	4924.000	32.18	6.72	38.90	54.00	-15.10	AVG	



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

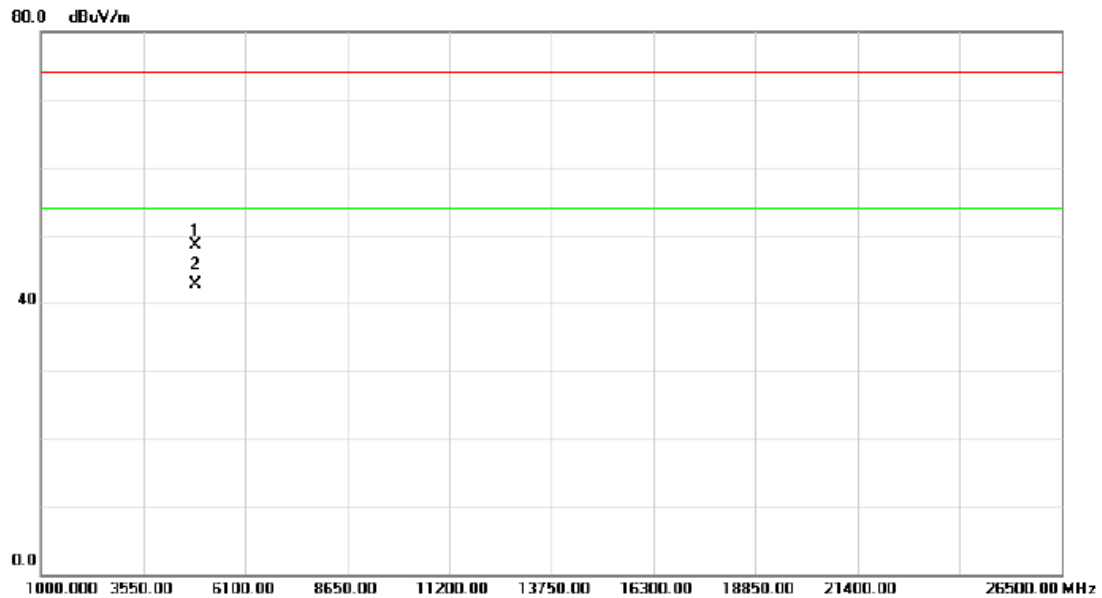


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2390.000	23.76	34.09	57.85	74.00	-16.15	peak	
2		2390.000	13.68	34.09	47.77	54.00	-6.23	AVG	
3	X	2438.400	61.28	34.23	95.51	74.00	21.51	peak	Fundamental frequency, no limit
4	*	2438.400	51.05	34.23	85.28	54.00	31.28	AVG	Fundamental frequency, no limit



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

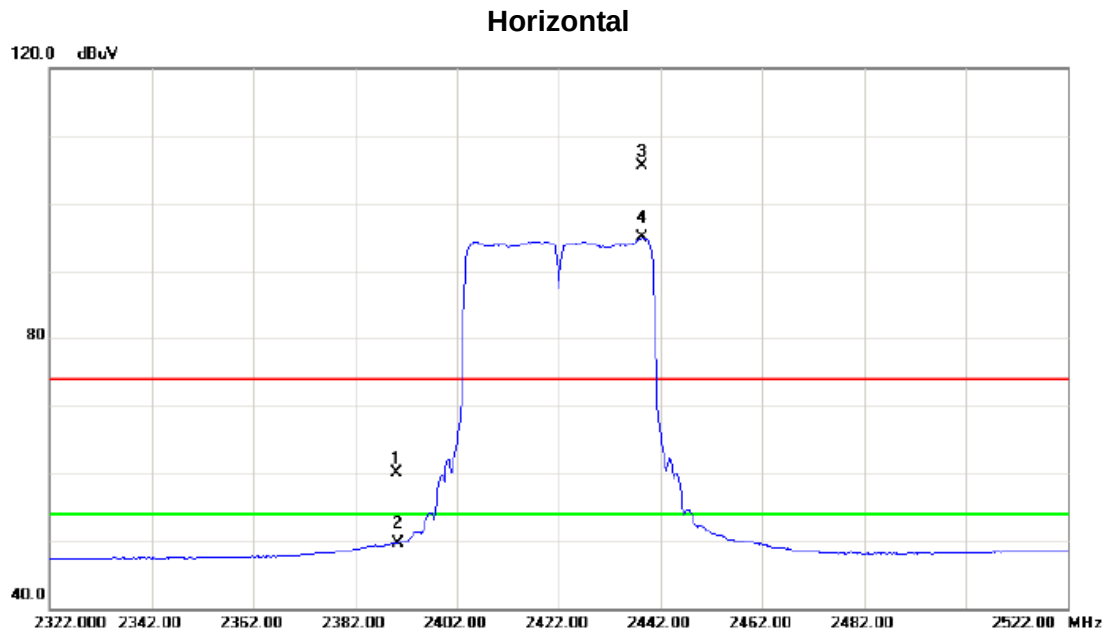
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.000	41.91	6.50	48.41	74.00	-25.59	peak	
2	*	4844.000	36.16	6.50	42.66	54.00	-11.34	AVG	



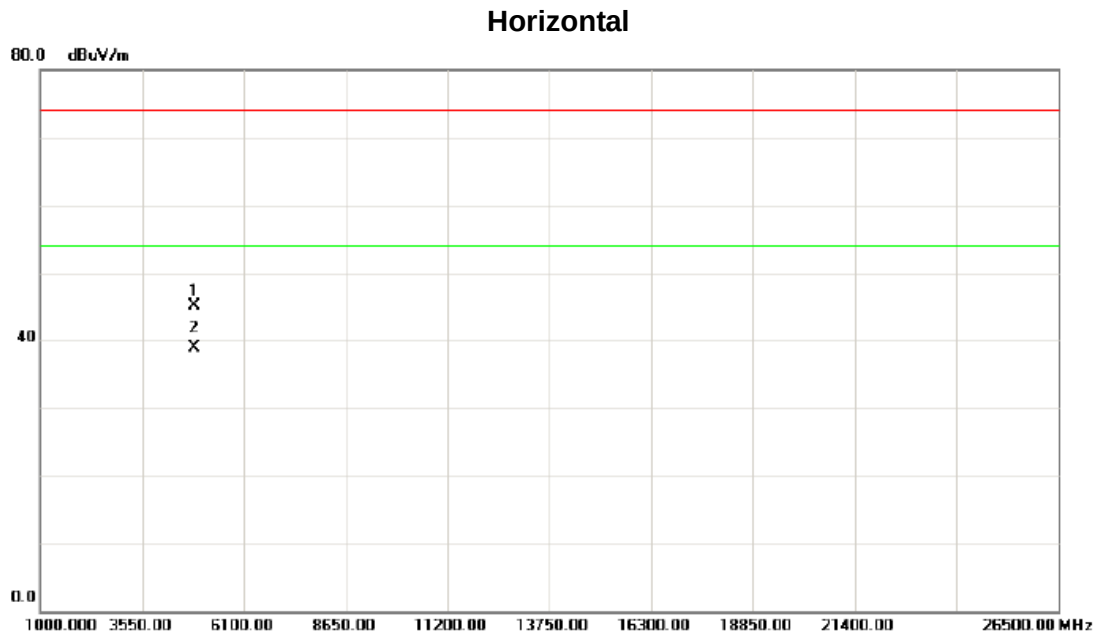
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2390.000	25.93	34.09	60.02	74.00	-13.98	peak	
2		2390.000	15.61	34.09	49.70	54.00	-4.30	AVG	
3	X	2438.400	71.19	34.23	105.42	74.00	31.42	peak	Fundamental frequency, no limit
4	*	2438.400	60.59	34.23	94.82	54.00	40.82	AVG	Fundamental frequency, no limit



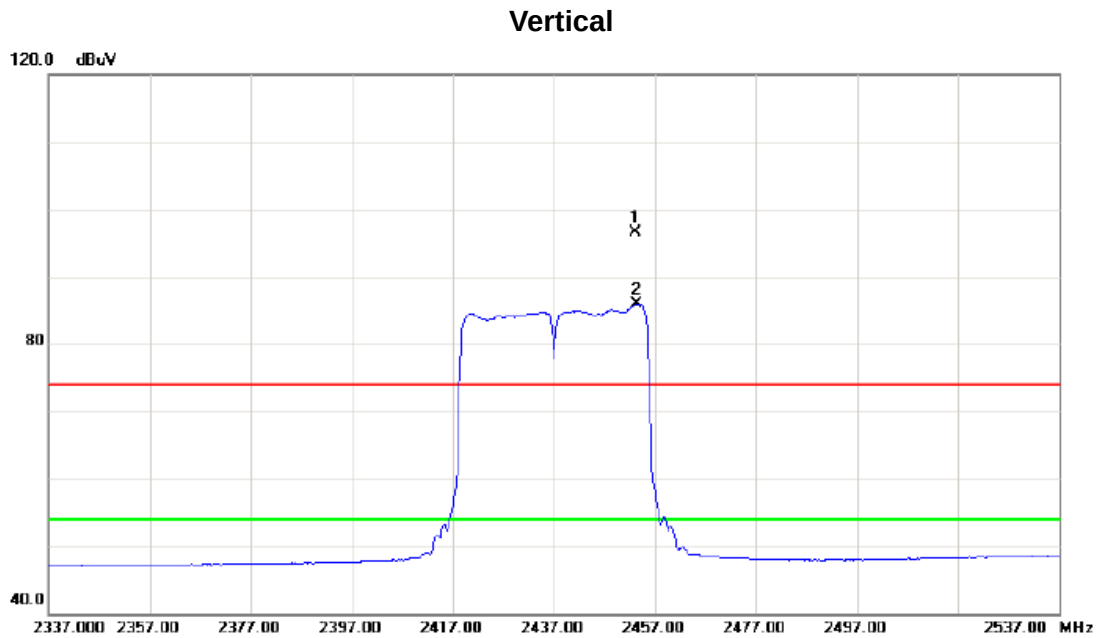
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4844.000	38.55	6.50	45.05	74.00	-28.95	peak	
2	*	4844.000	32.39	6.50	38.89	54.00	-15.11	AVG	



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

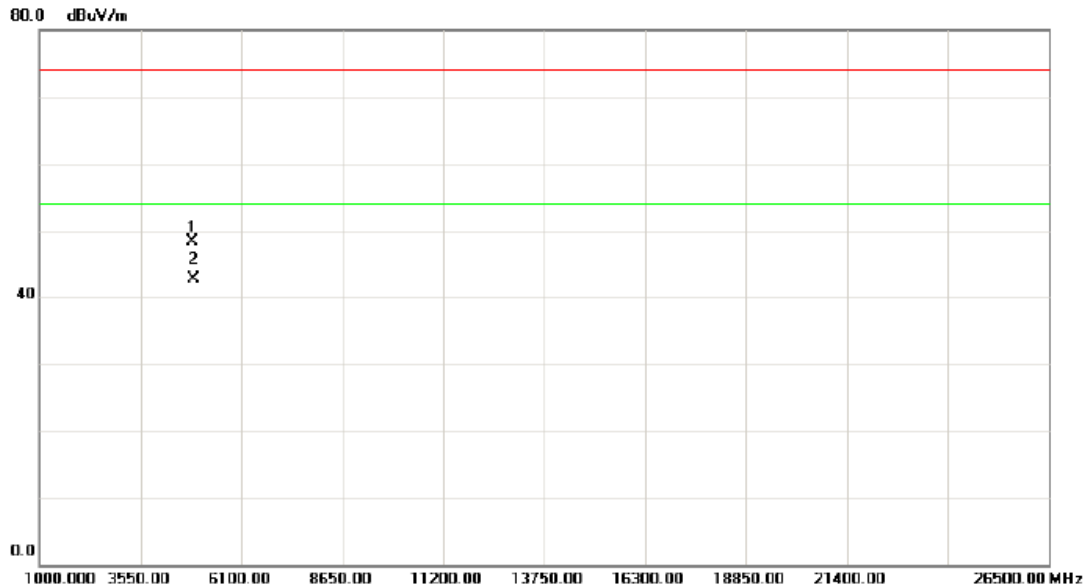


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2453.000	62.14	34.27	96.41	74.00	22.41	peak	Fundamental frequency, no limit
2	X	2453.400	51.66	34.28	85.94	74.00	11.94	peak	Fundamental frequency, no limit



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

Vertical

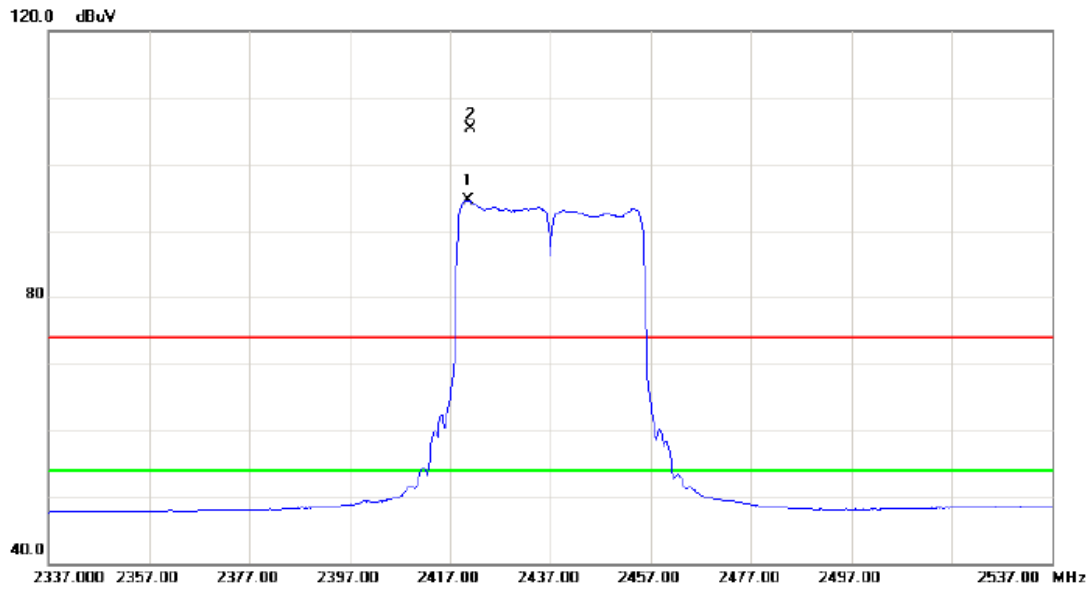


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	41.81	6.58	48.39	74.00	-25.61	peak	
2	*	4874.000	36.16	6.58	42.74	54.00	-11.26	AVG	



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

Horizontal

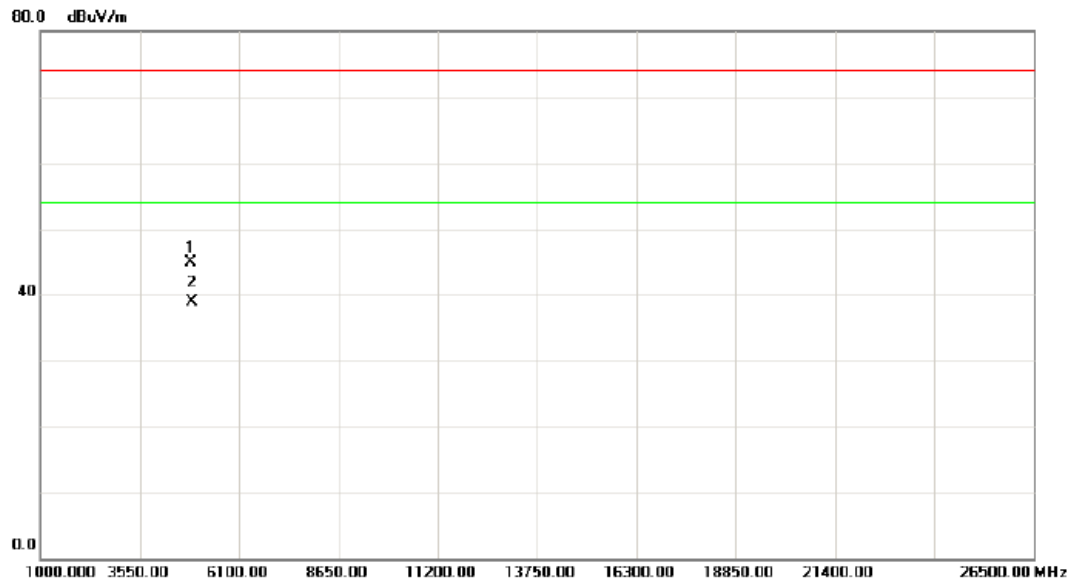


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2420.600	60.40	34.18	94.58	54.00	40.58	AVG	Fundamental frequency, no limit
2	X	2421.200	71.07	34.18	105.25	74.00	31.25	peak	Fundamental frequency, no limit



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

Horizontal

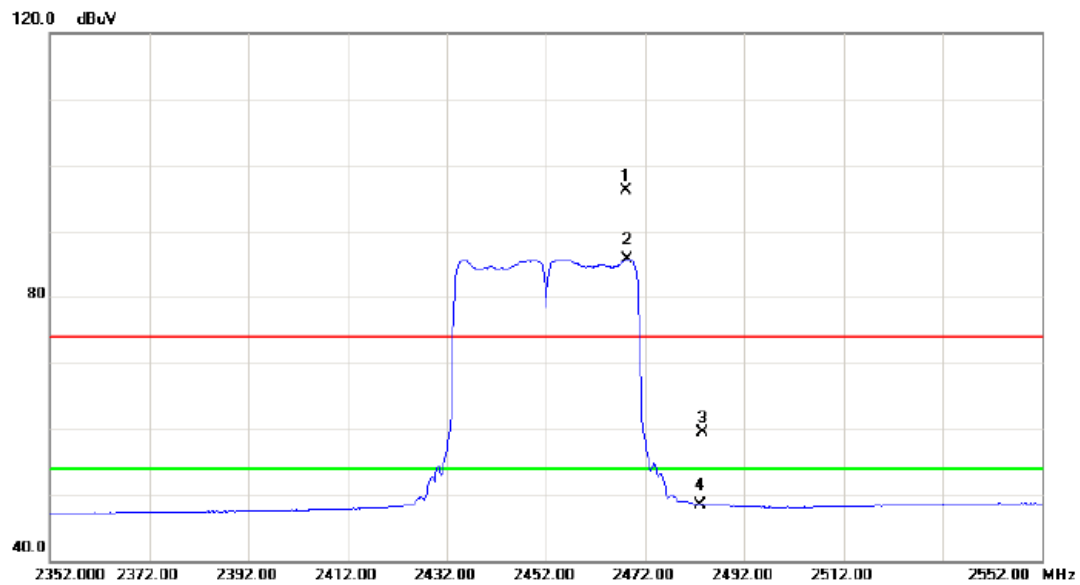


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.000	38.35	6.58	44.93	74.00	-29.07	peak	
2	*	4874.000	32.29	6.58	38.87	54.00	-15.13	AVG	



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

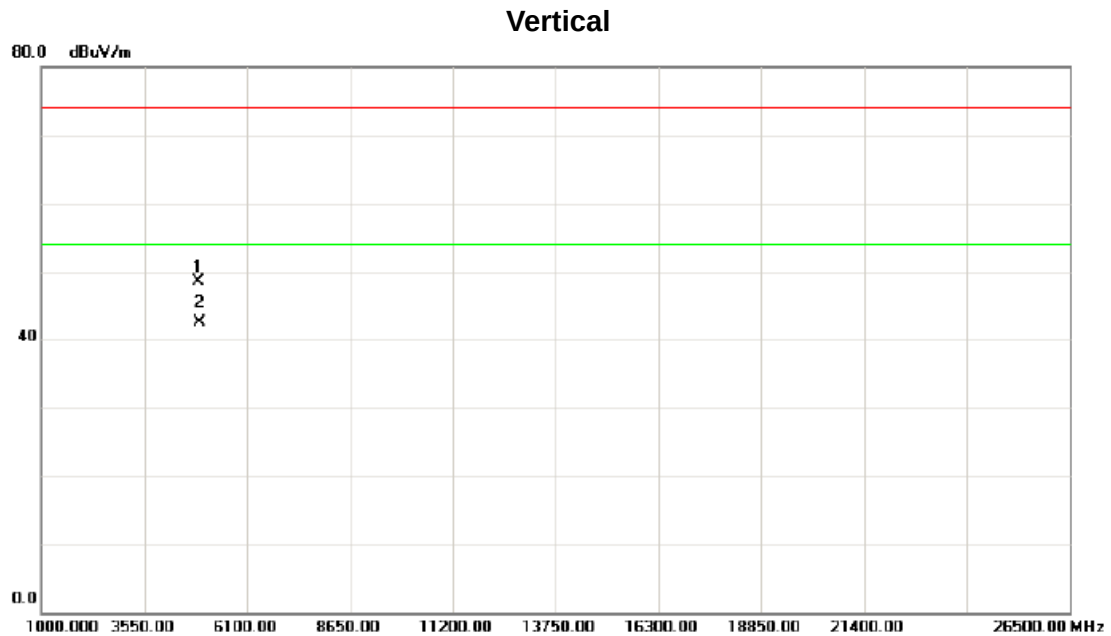
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	X	2468.200	61.85	34.33	96.18	74.00	22.18	peak	Fundamental frequency, no limit
2	*	2468.400	51.35	34.33	85.68	54.00	31.68	AVG	Fundamental frequency, no limit
3		2483.500	25.12	34.37	59.49	74.00	-14.51	peak	
4		2483.500	14.23	34.37	48.60	54.00	-5.40	AVG	



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

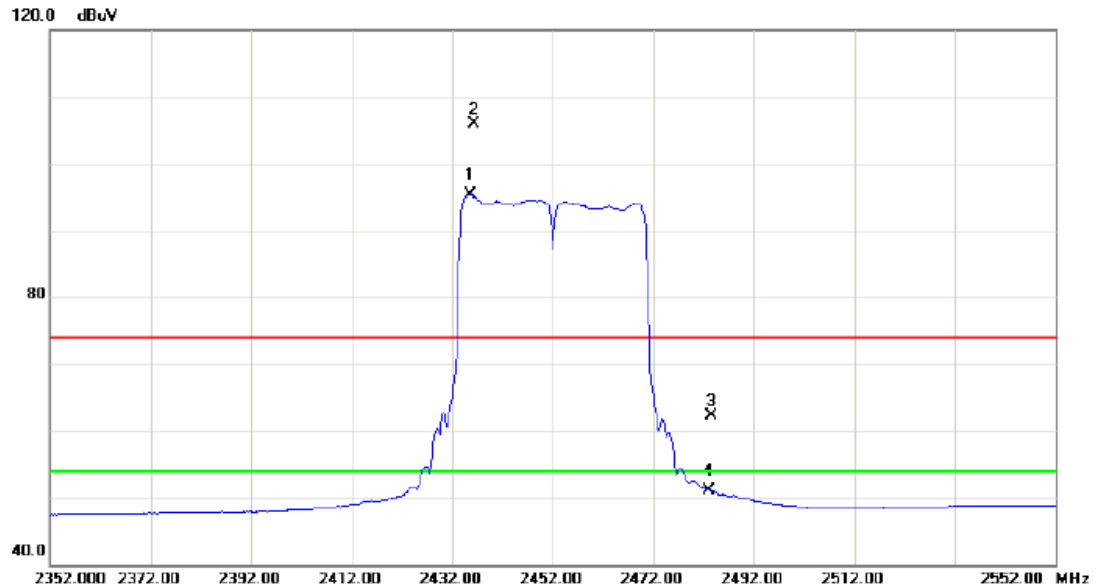


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4904.000	41.74	6.67	48.41	74.00	-25.59	peak	
2	*	4904.000	35.89	6.67	42.56	54.00	-11.44	AVG	



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

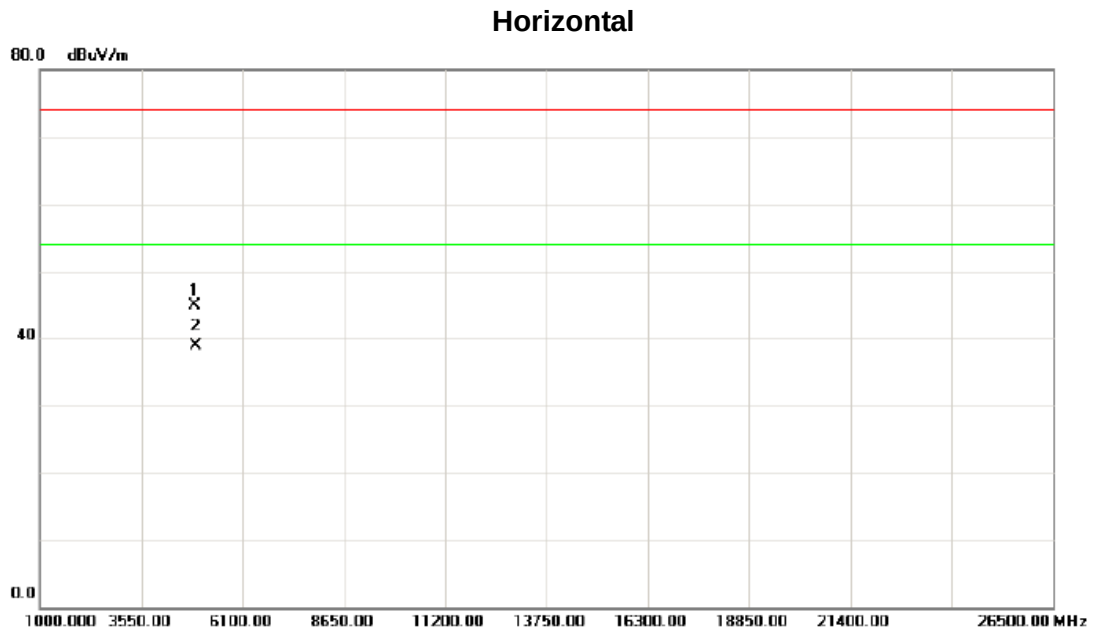
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2435.600	61.12	34.23	95.35	54.00	41.35	AVG	Fundamental frequency, no limit
2	X	2436.400	71.59	34.23	105.82	74.00	31.82	peak	Fundamental frequency, no limit
3		2483.500	28.02	34.37	62.39	74.00	-11.61	peak	
4		2483.500	16.71	34.37	51.08	54.00	-2.92	AVG	



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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4904.000	38.25	6.67	44.92	74.00	-29.08	peak	
2	*	4904.000	32.17	6.67	38.84	54.00	-15.16	AVG	



ATTACHMENT E - BANDWIDTH

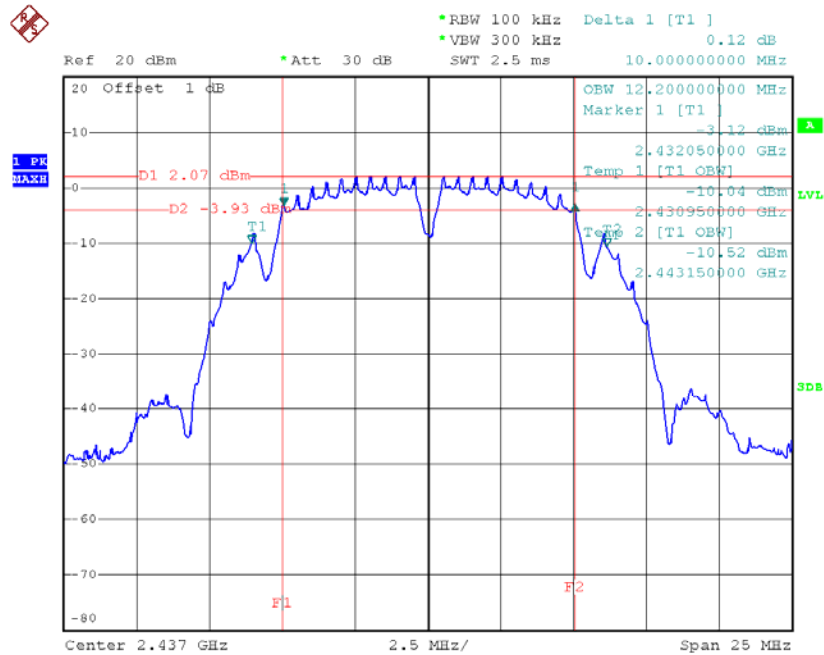


TX CH 01



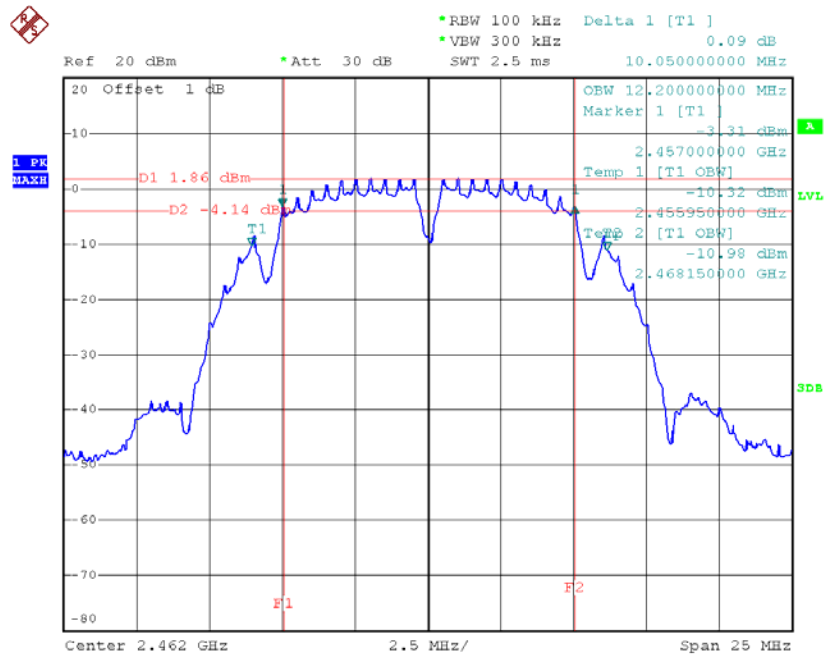


TX CH 06



Date: 13.MAY.2014 18:14:35

TX CH 11

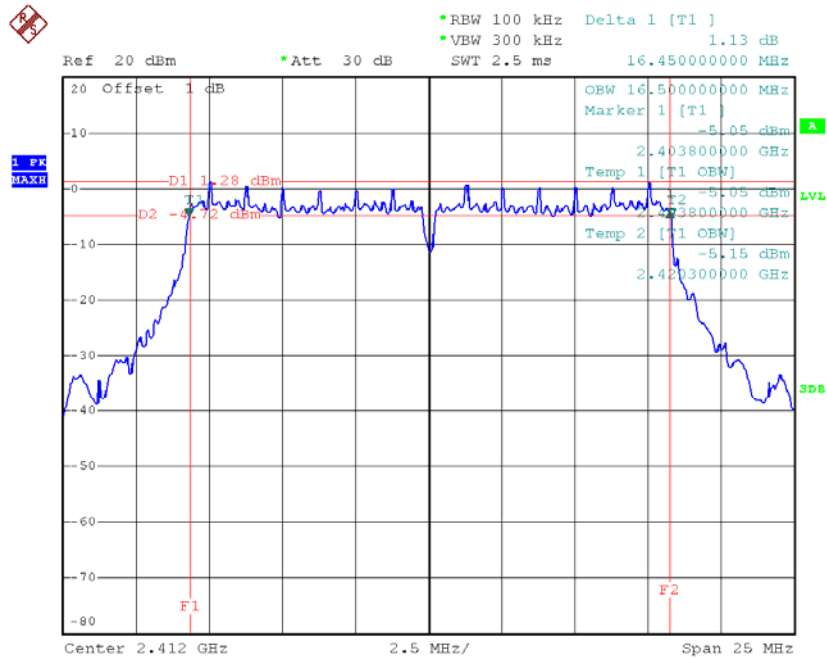


Date: 13.MAY.2014 18:17:11



Test Mode: TX G Mode_CH01/06/11

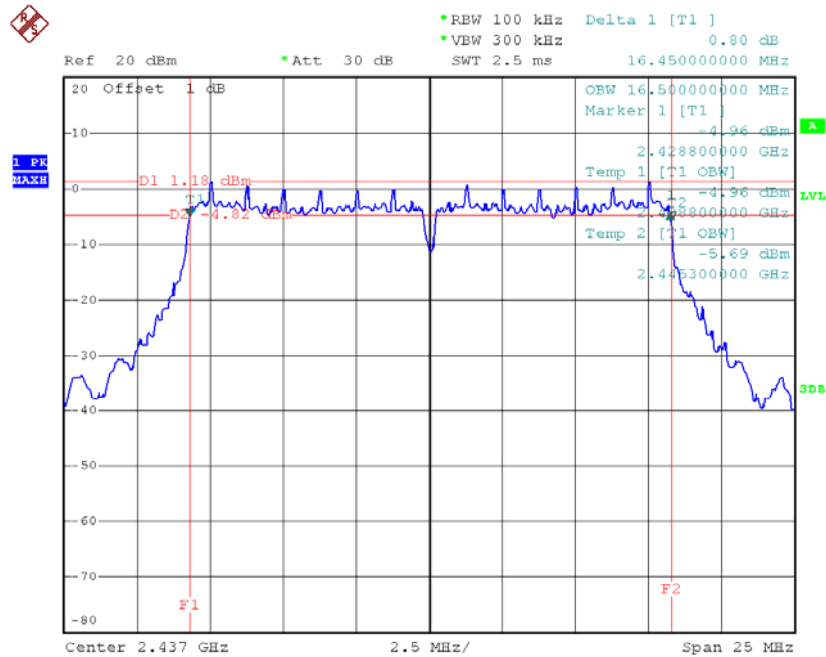
TX CH 01



Date: 13.MAY.2014 18:34:58

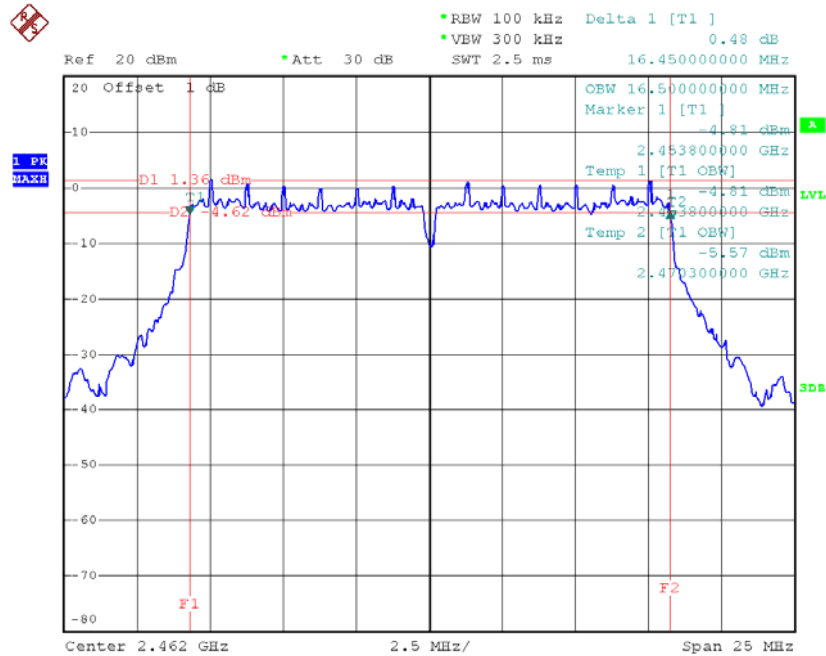


TX CH 06



Date: 13.MAY.2014 18:38:56

TX CH 11

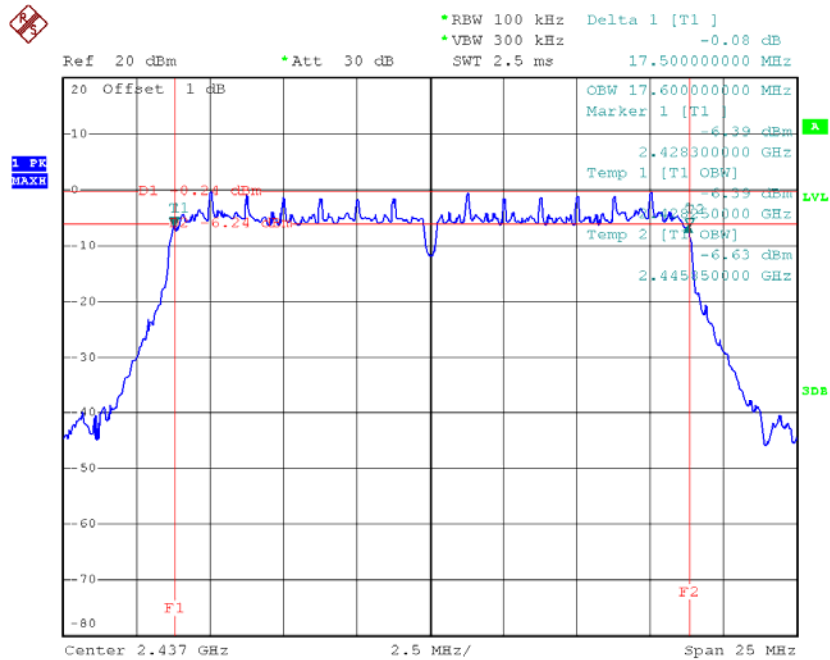


Date: 13.MAY.2014 18:42:51

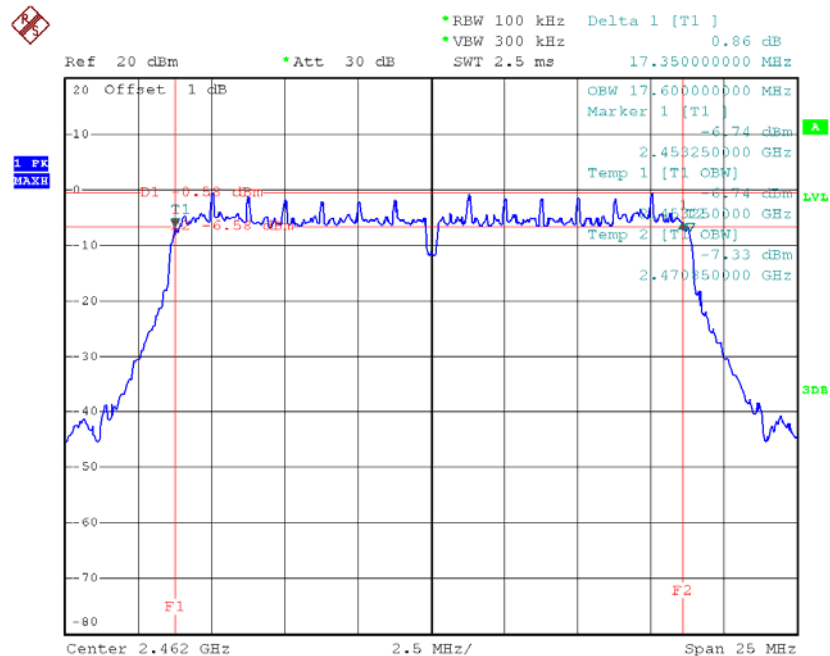


TX CH 01





Date: 13.MAY.2014 18:51:40

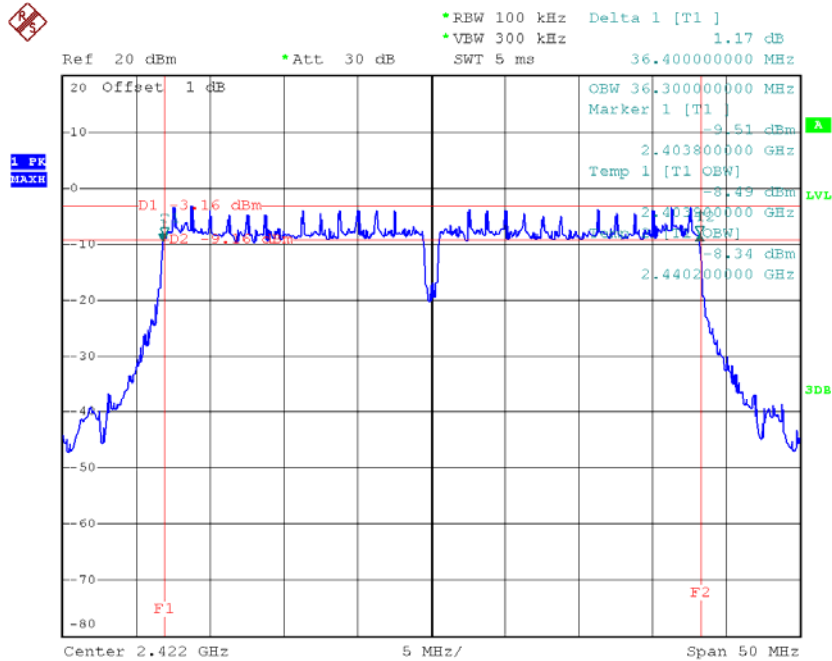


Date: 13.MAY.2014 18:53:56

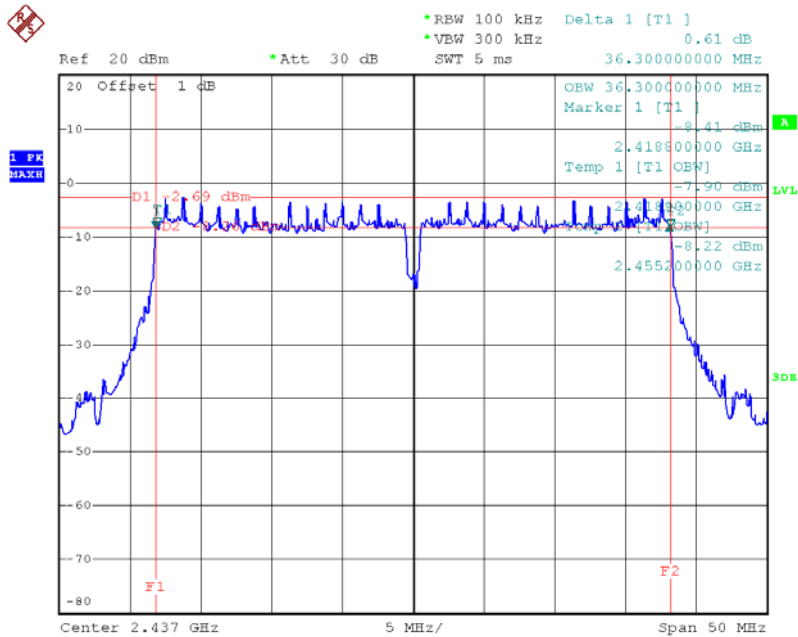


Test Mode : TX N-40MHz Mode_CH03/06/09

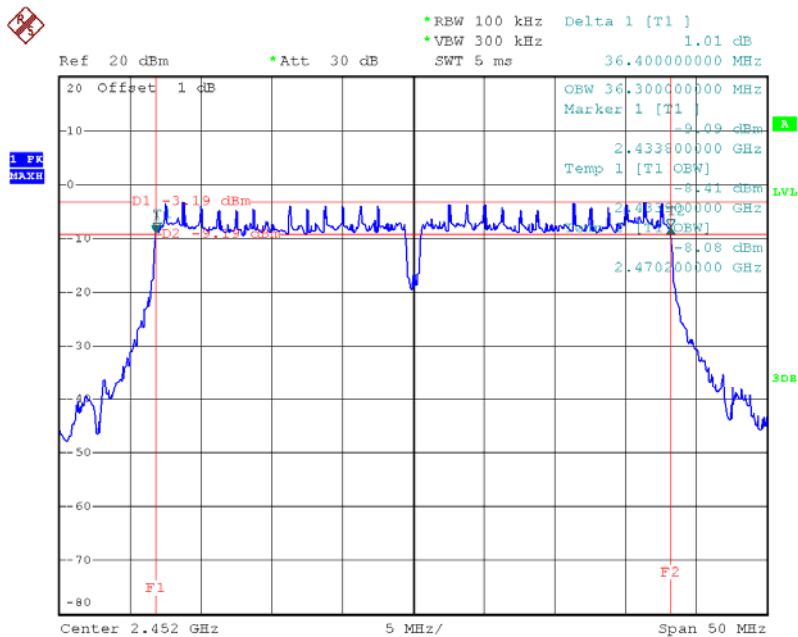
TX CH 03



Date: 13.MAY.2014 18:57:48



Date: 13.MAY.2014 19:01:47



Date: 13.MAY.2014 19:04:38



Neutron Engineering Inc.



ATTACHMENT F - MAXIMUM OUTPUT POWER



Test Mode : TX B Mode

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	15.14	30	1
CH06	2437	15.16	30	1
CH11	2462	15.02	30	1

Test Mode : TX G Mode

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	21.48	30	1
CH06	2437	21.47	30	1
CH11	2462	20.97	30	1

Test Mode : TX N-20M Mode

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH01	2412	19.33	30	1
CH06	2437	19.36	30	1
CH11	2462	19.19	30	1

Test Mode : TX N-40M Mode

Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH03	2422	19.98	30	1
CH06	2437	20.13	30	1
CH09	2452	20.16	30	1



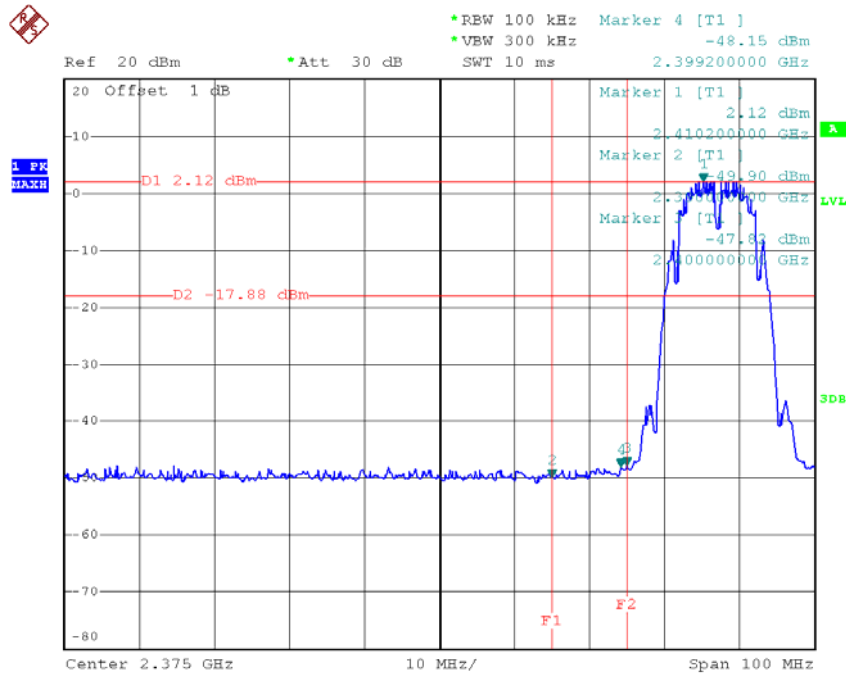
ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION



Test Mode :	TX B Mode
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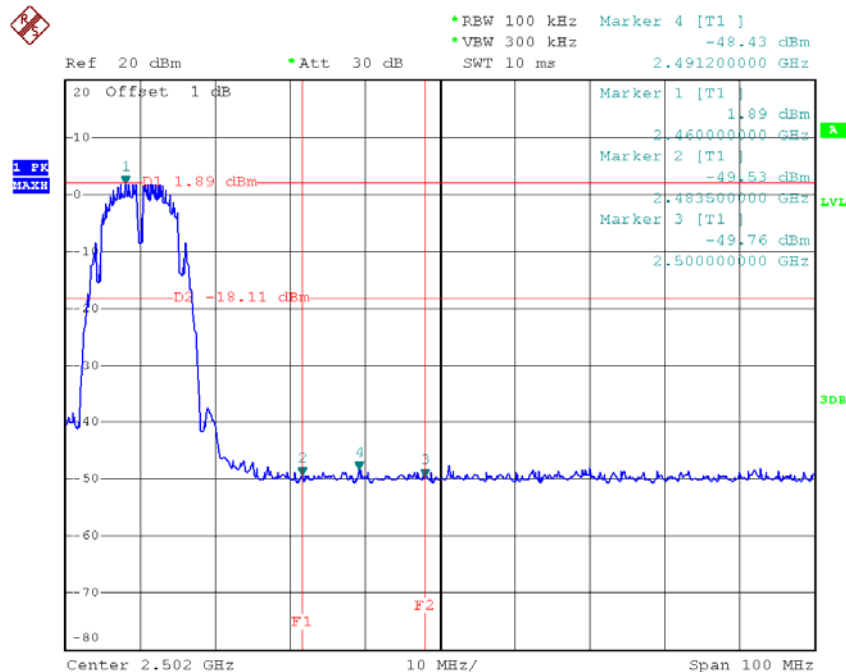


TX B mode CH01



Date: 13.MAY.2014 18:11:45

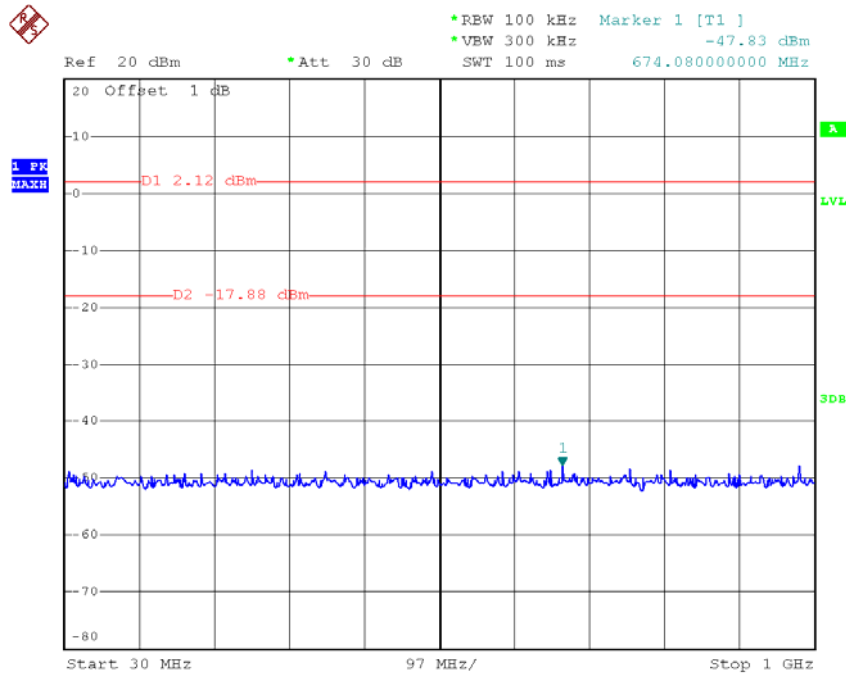
TX B mode CH11



Date: 13.MAY.2014 18:18:16

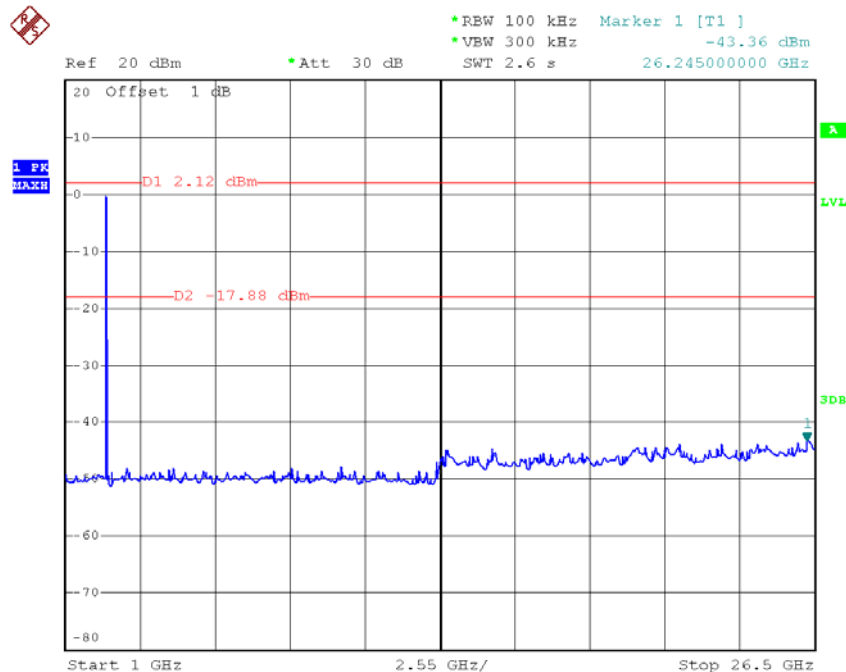


TX B mode CH01 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:12:04

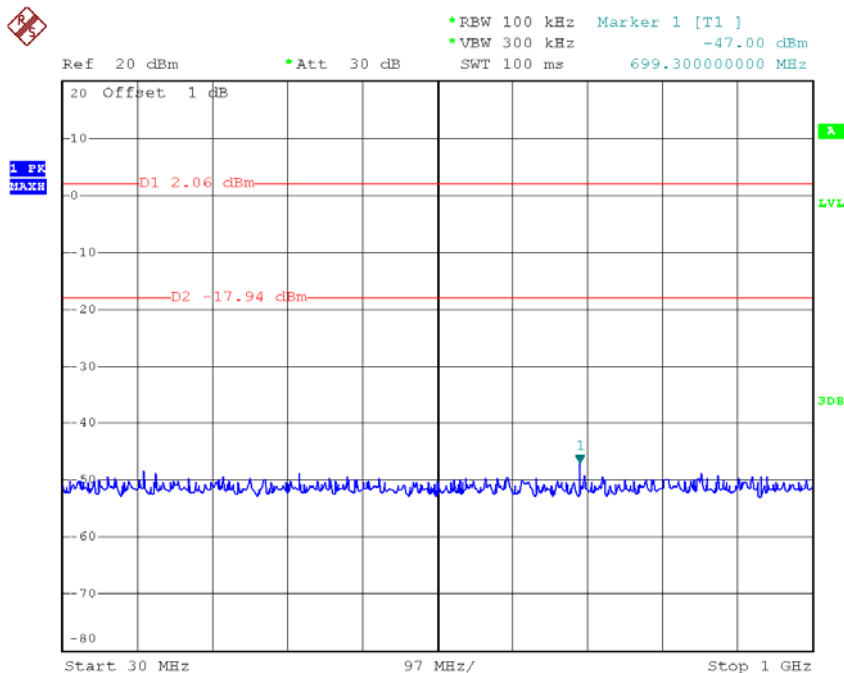
TX B mode CH01 (1000MHz to 10th Harmonic)



Date: 13.MAY.2014 18:12:23

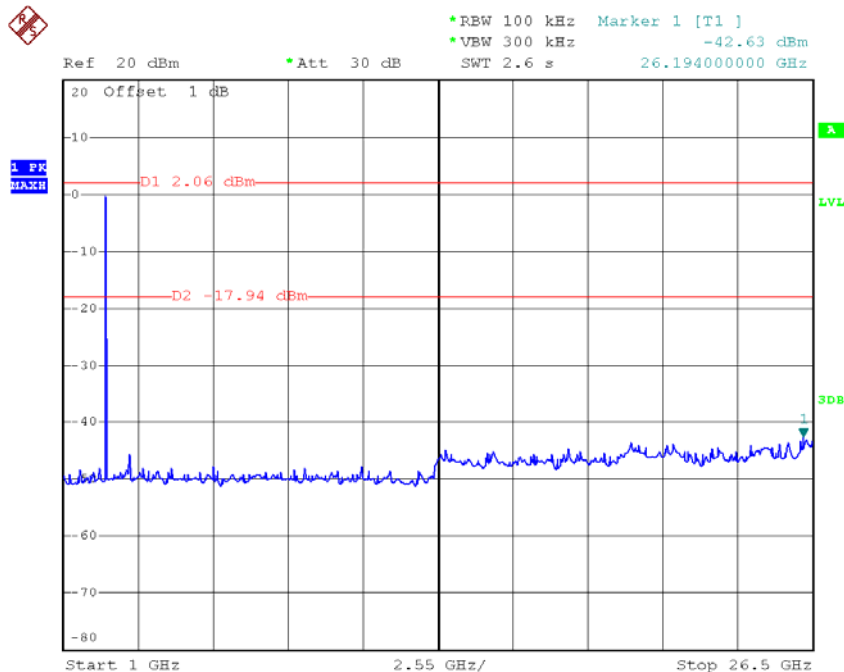


TX B mode CH06 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:15:11

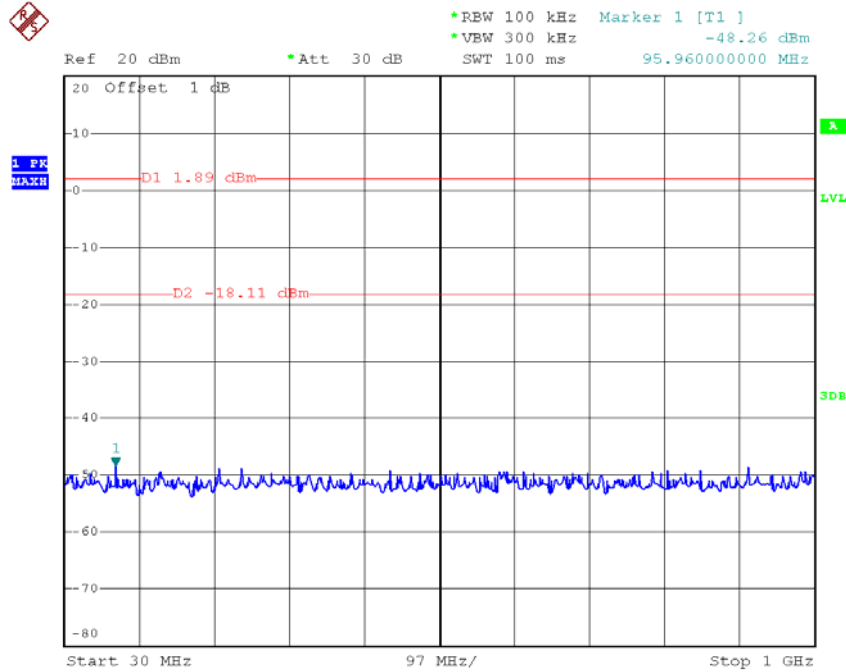
TX B mode CH06 (1000MHz to 10th Harmonic)



Date: 13.MAY.2014 18:15:27

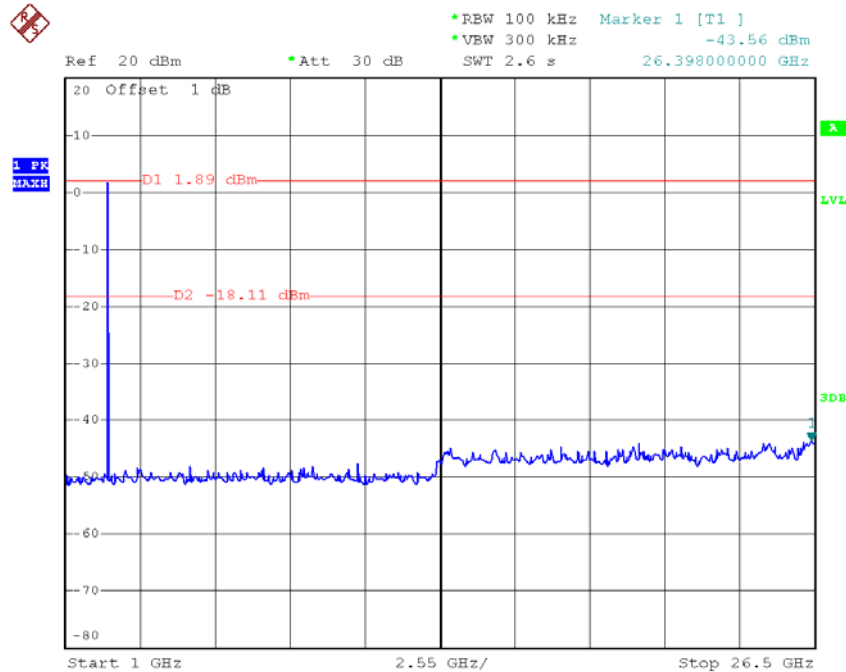


TX B mode CH11 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:18:29

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



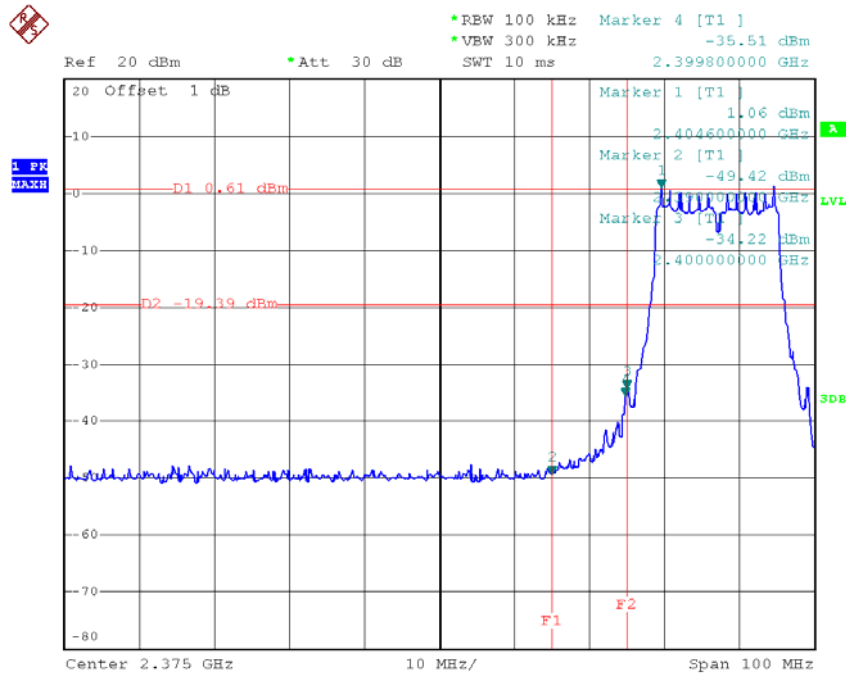
Date: 13.MAY.2014 18:18:50



Test Mode :	TX G Mode
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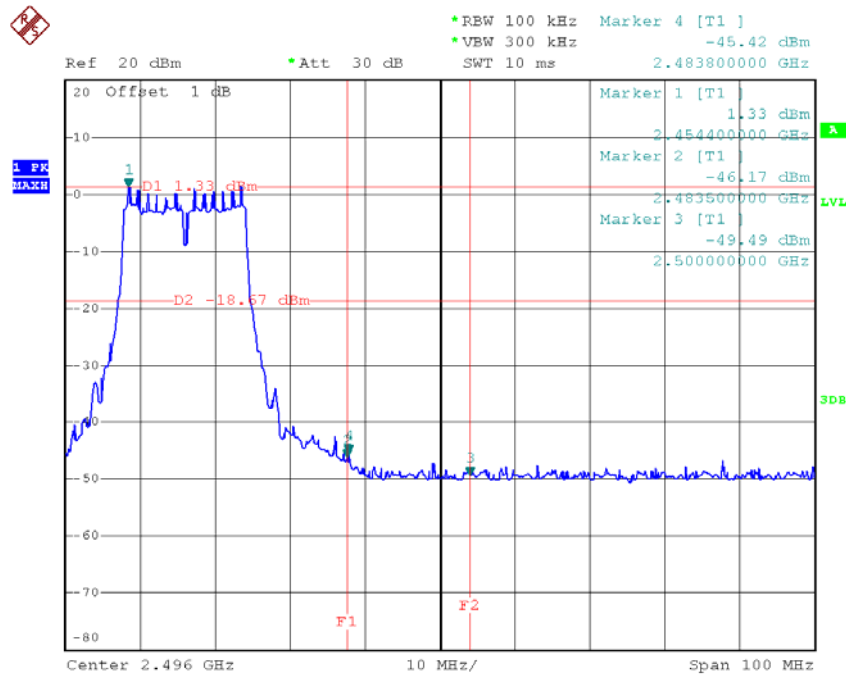


TX G mode CH01



Date: 13.MAY.2014 18:36:05

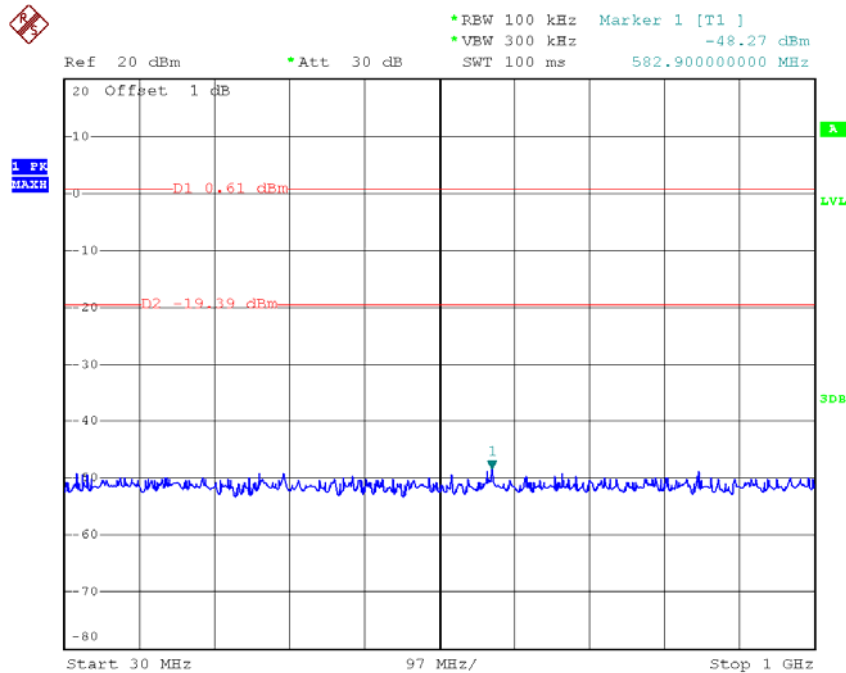
TX G mode CH11



Date: 13.MAY.2014 18:44:24

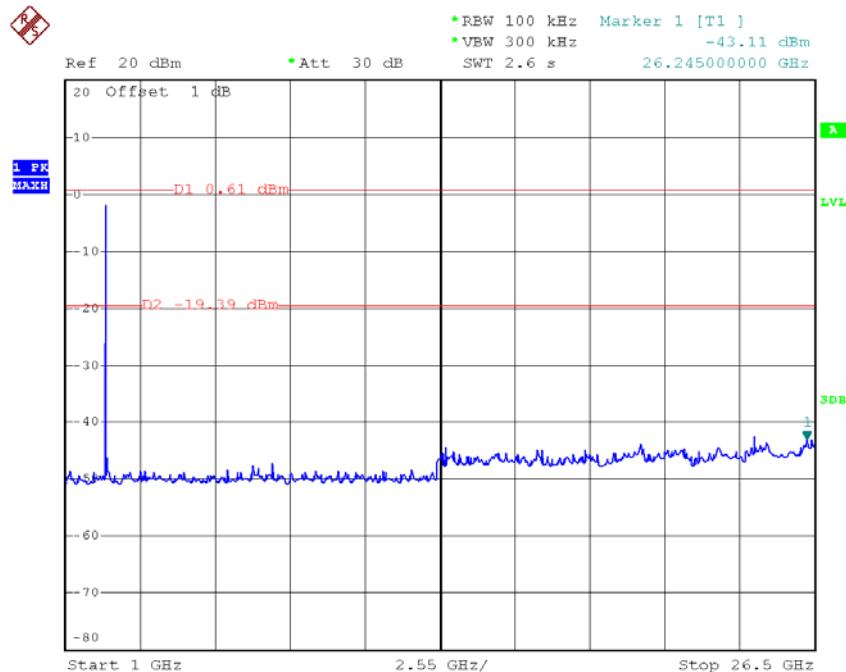


TX G mode CH01 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:36:19

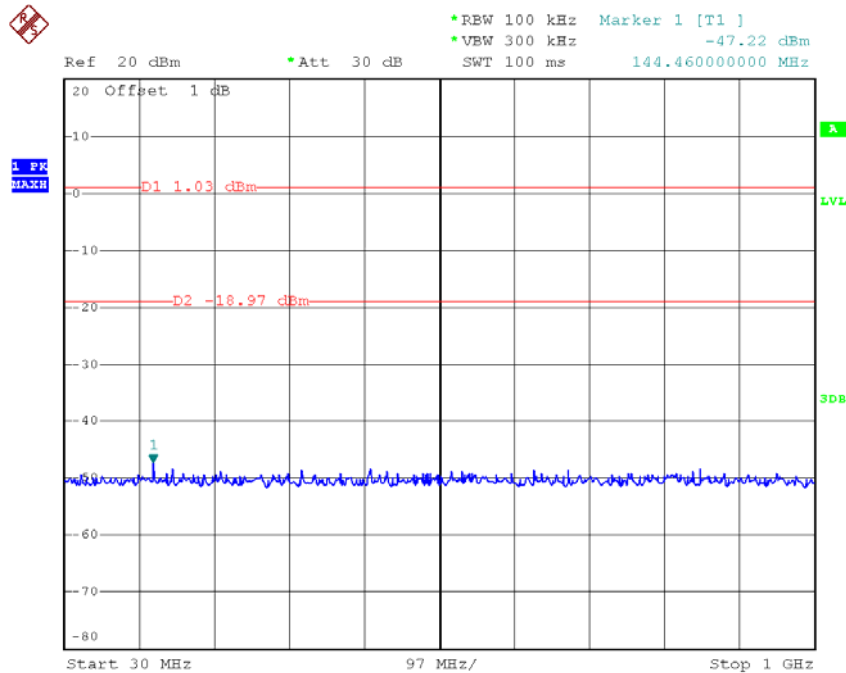
TX G mode CH01 (1000MHz to 10th Harmonic)



Date: 13.MAY.2014 18:36:36

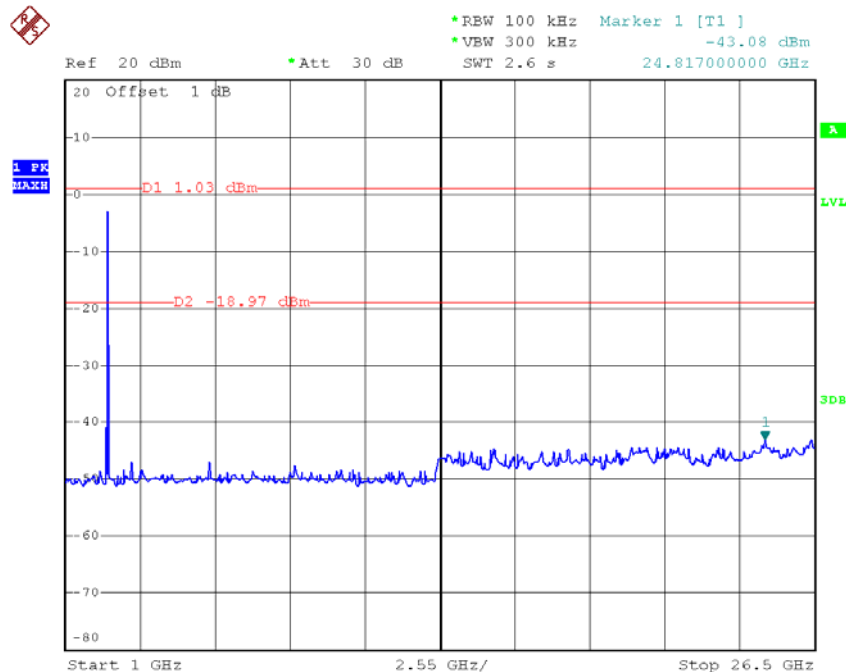


TX G mode CH06 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:39:36

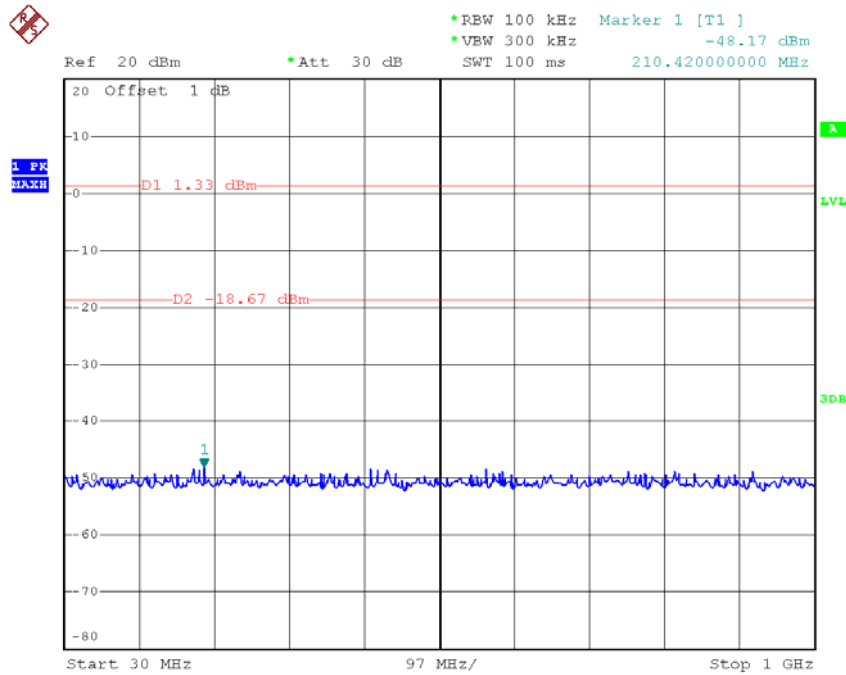
TX G mode CH06 (1000MHz to 10th Harmonic)



Date: 13.MAY.2014 18:39:53

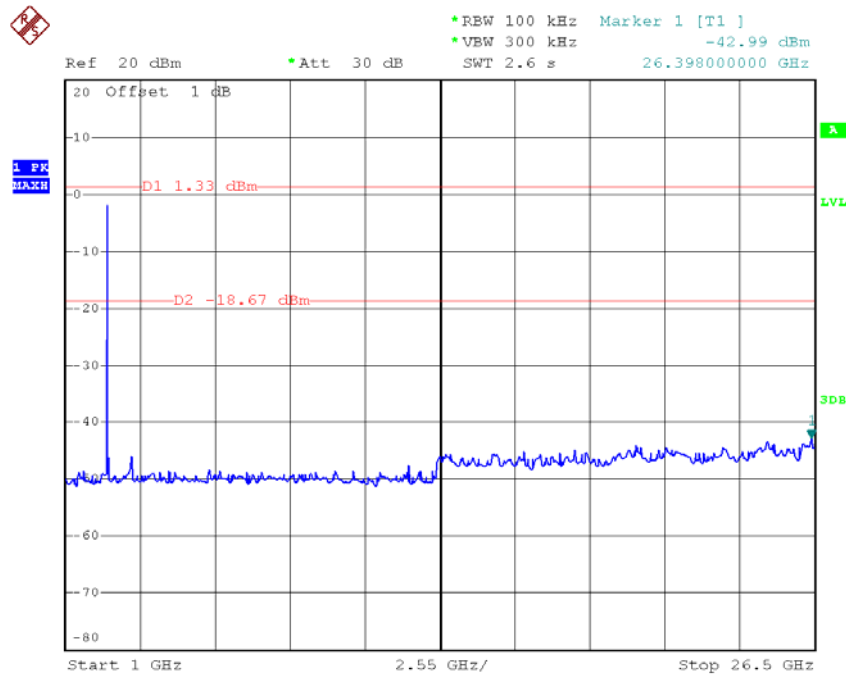


TX G mode CH11 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:44:51

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



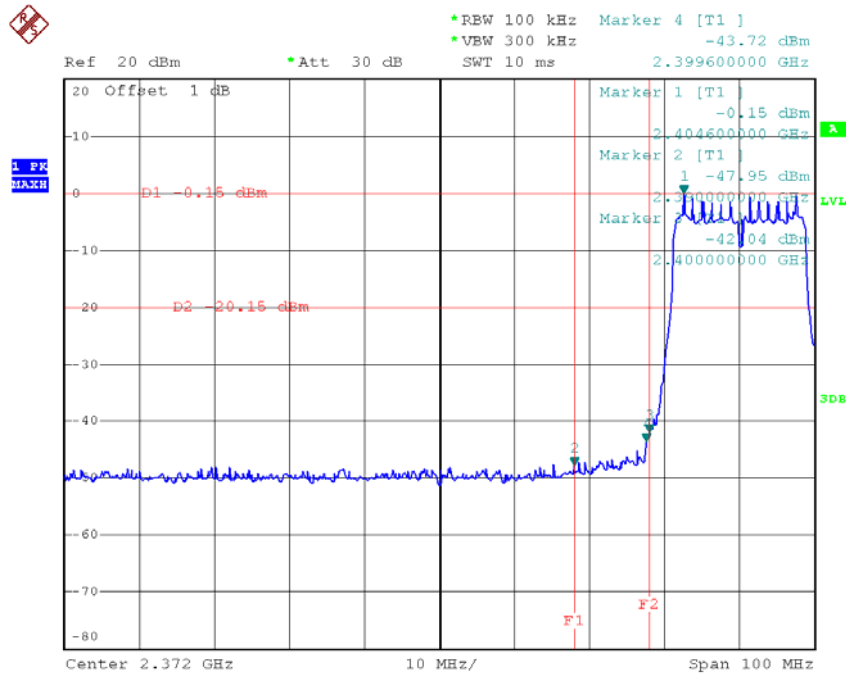
Date: 13.MAY.2014 18:45:07



Test Mode :	TX N-20M Mode
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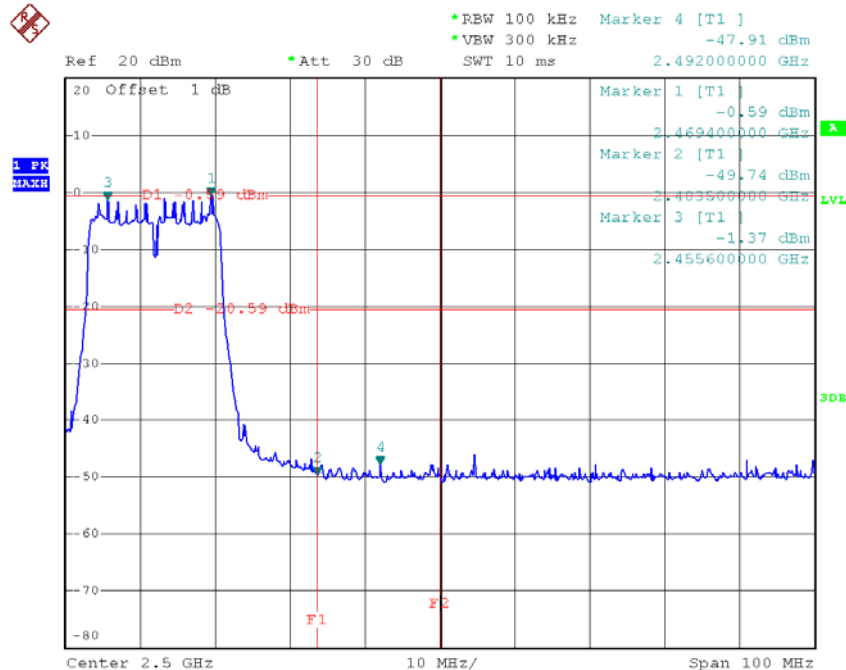


TX HT20 mode CH01



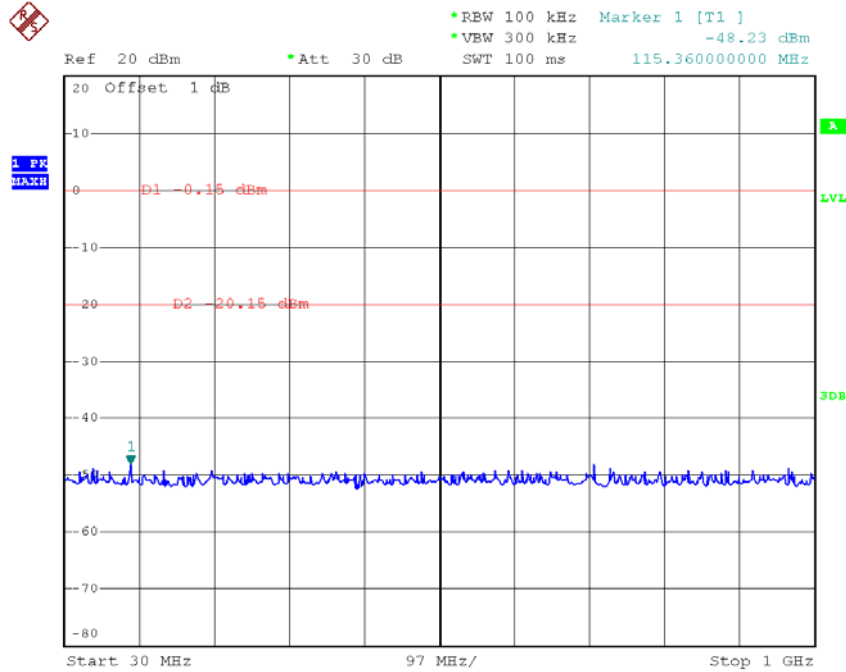
Date: 13.MAY.2014 18:49:19

TX HT20 mode CH11



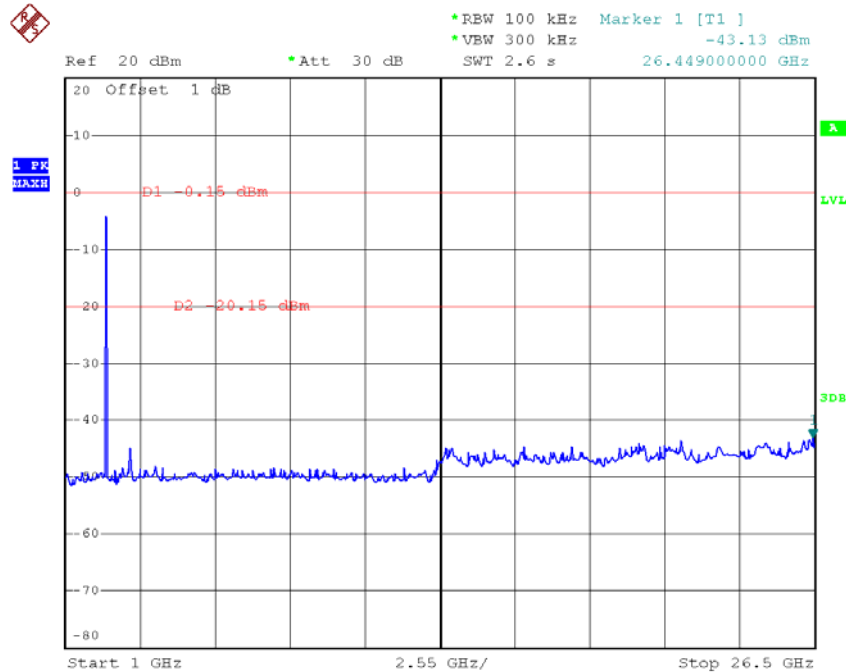
Date: 13.MAY.2014 18:54:49

TX HT20 mode CH01 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:49:38

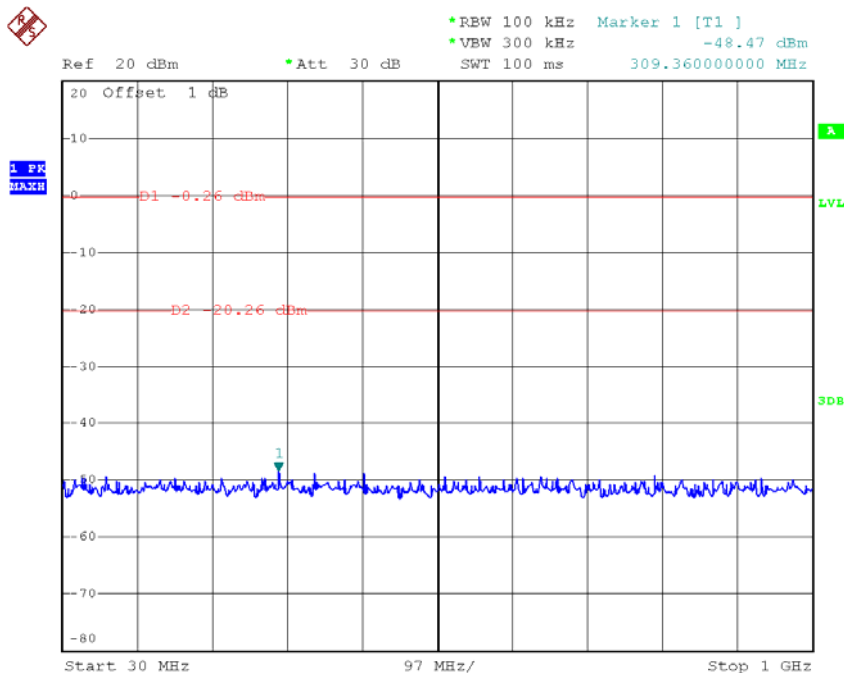
TX HT20 mode CH01 (1000MHz to 10th Harmonic)



Date: 13.MAY.2014 18:49:55

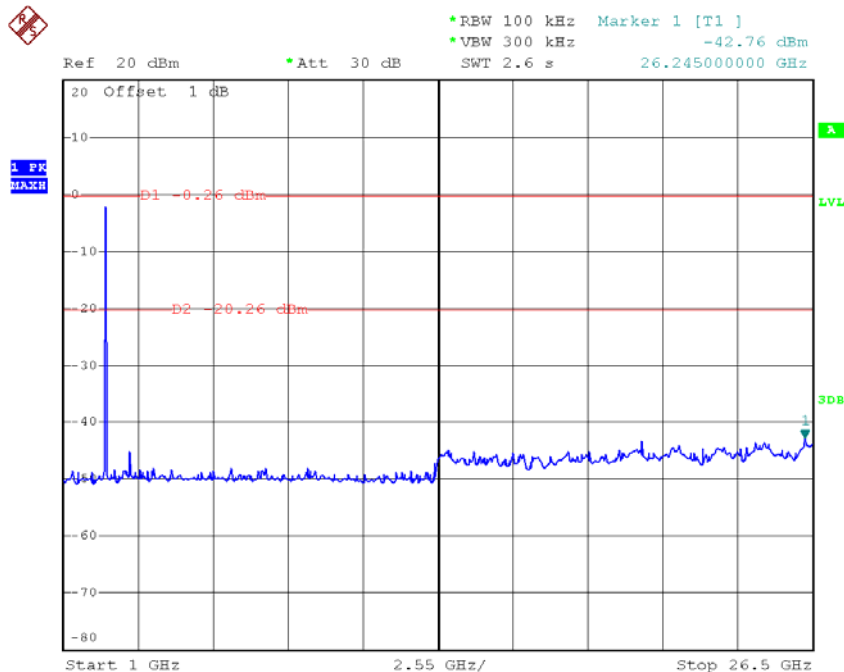


TX HT20 mode CH06 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:52:18

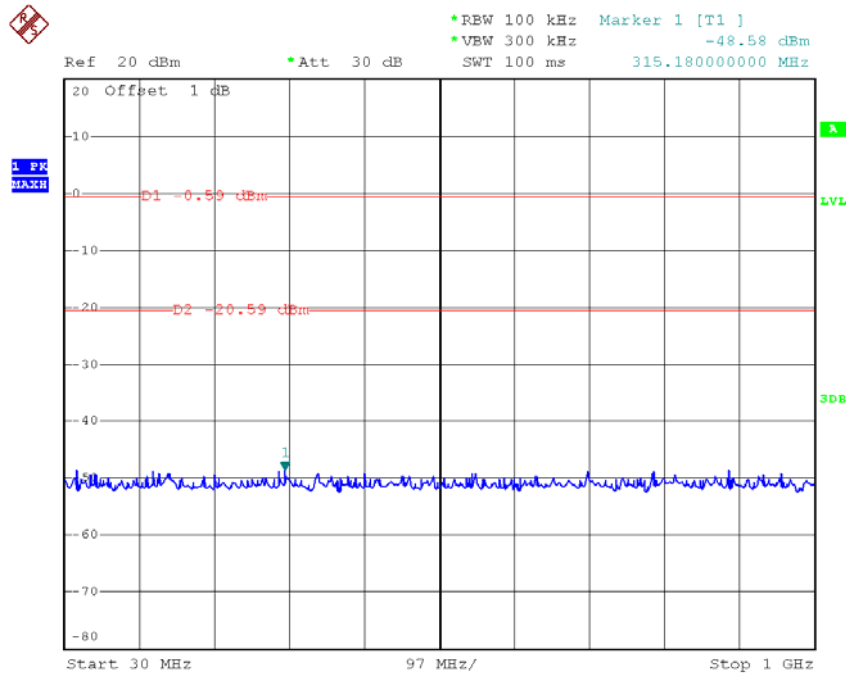
TX HT20 mode CH06 (1000MHz to 10th Harmonic)



Date: 13.MAY.2014 18:52:37

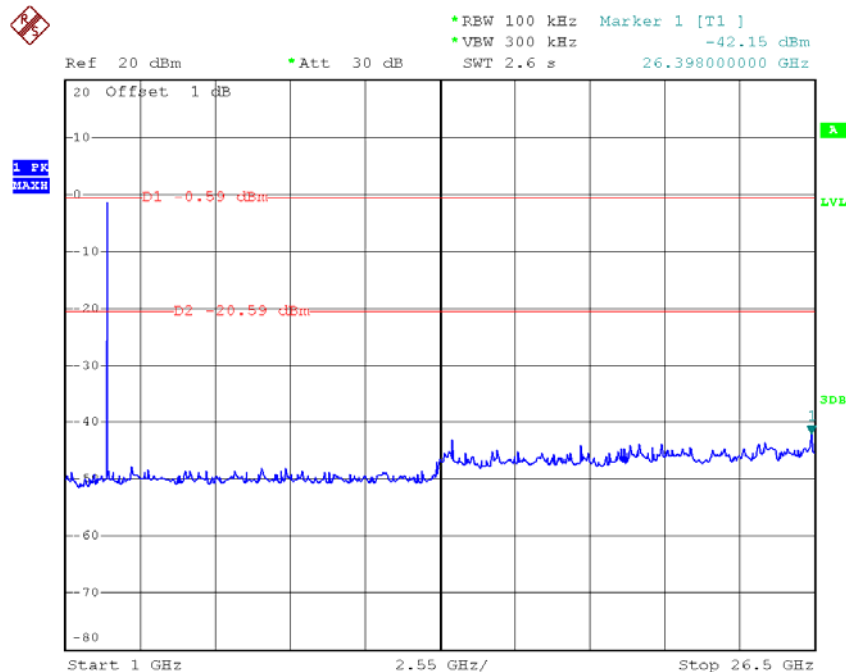


TX HT20 mode CH11 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:55:05

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



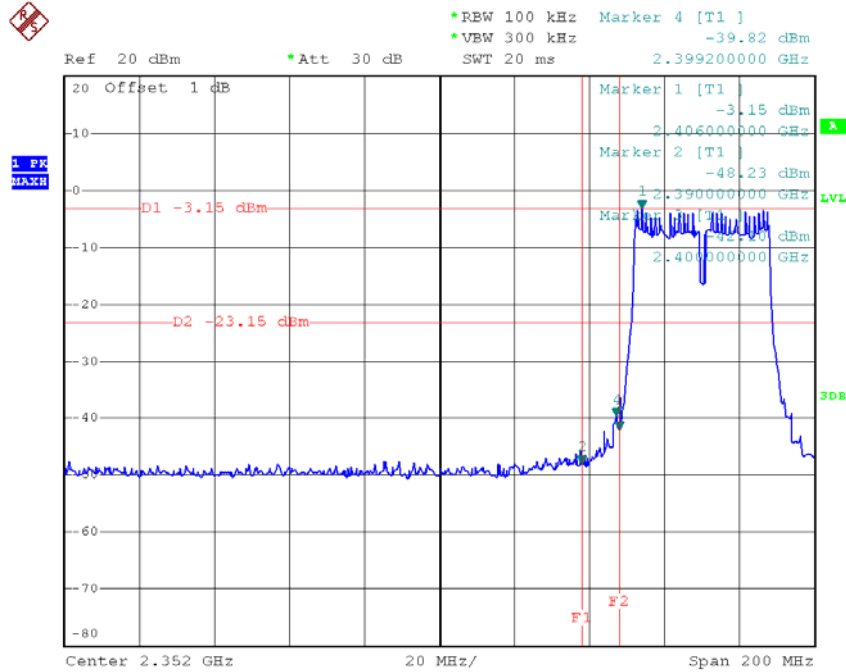
Date: 13.MAY.2014 18:55:22



Test Mode :	TX N-40M Mode
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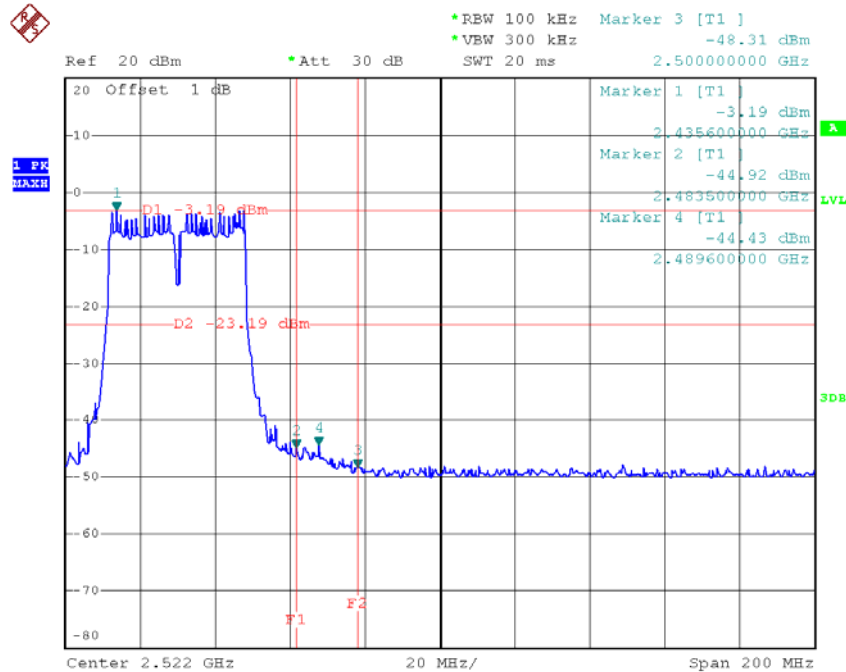


TX HT40 mode CH03



Date: 13.MAY.2014 18:59:04

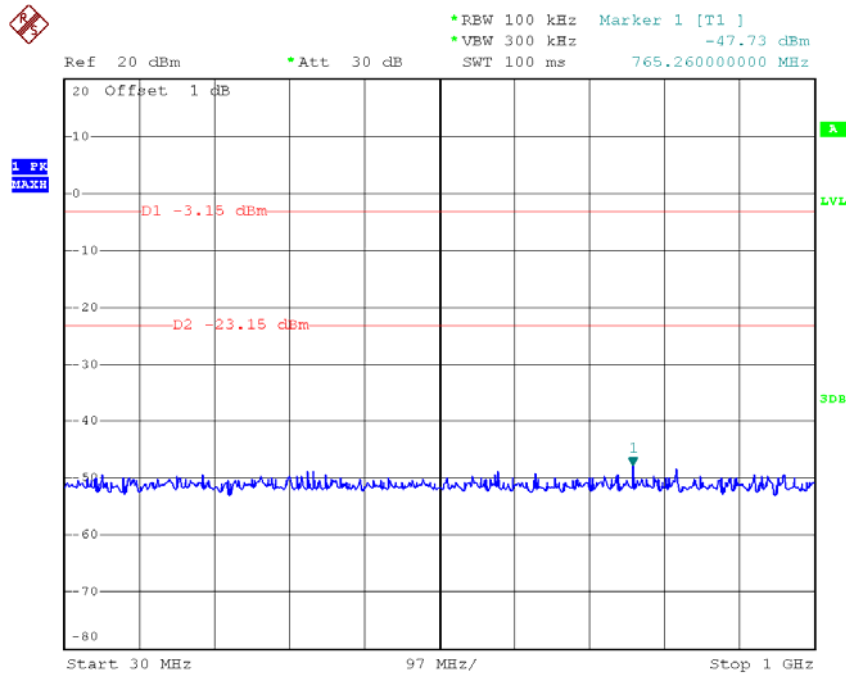
TX HT40 mode CH09



Date: 13.MAY.2014 19:06:16

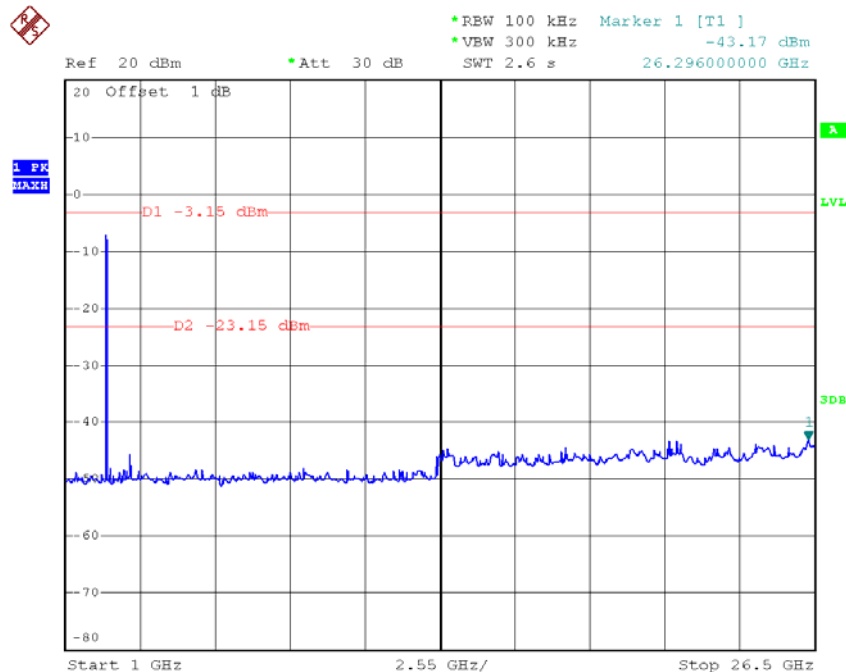


TX HT40 mode CH03 (30MHz to 1000MHz)



Date: 13.MAY.2014 18:59:18

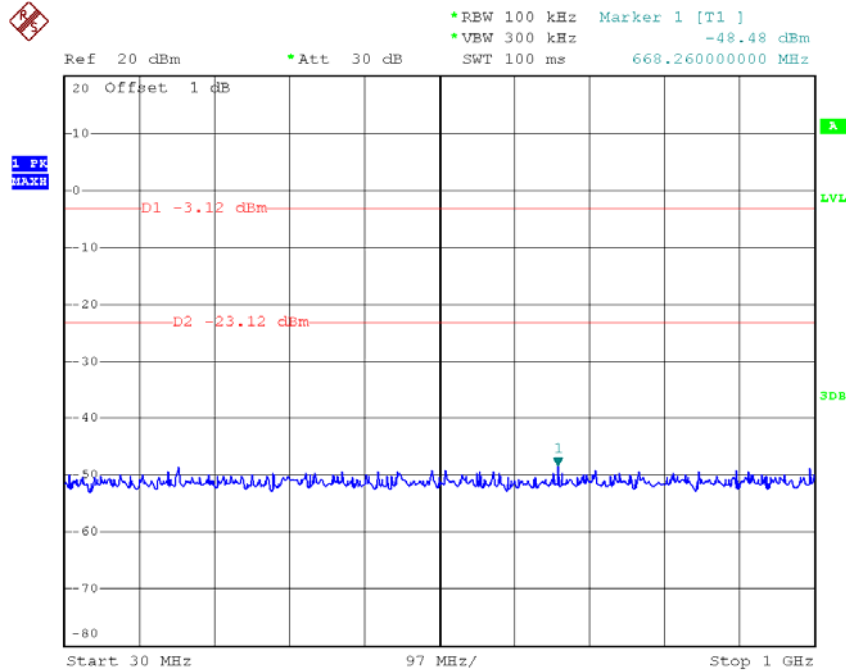
TX HT40 mode CH03 (1000MHz to 10th Harmonic)



Date: 13.MAY.2014 18:59:35

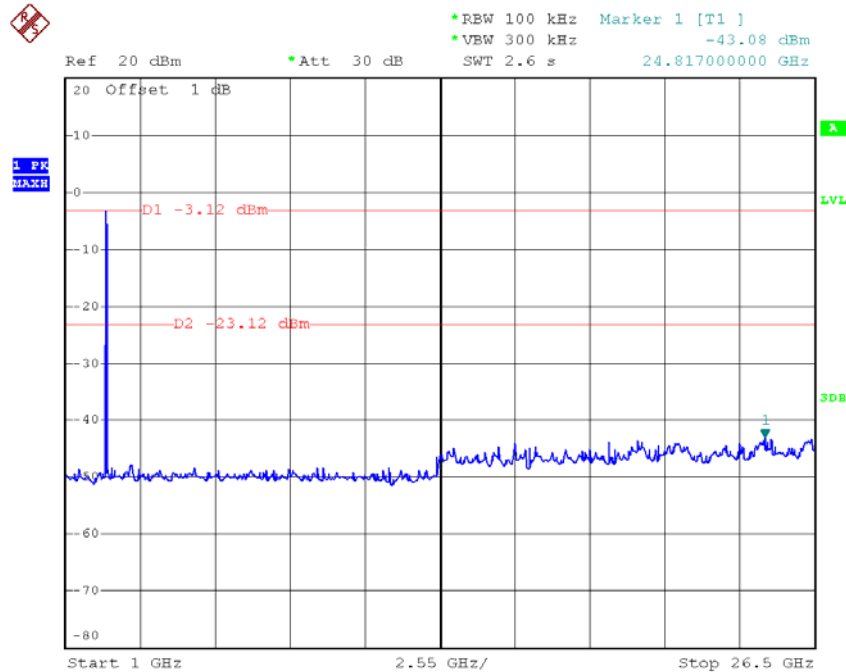


TX HT40 mode CH06 (30MHz to 1000MHz)



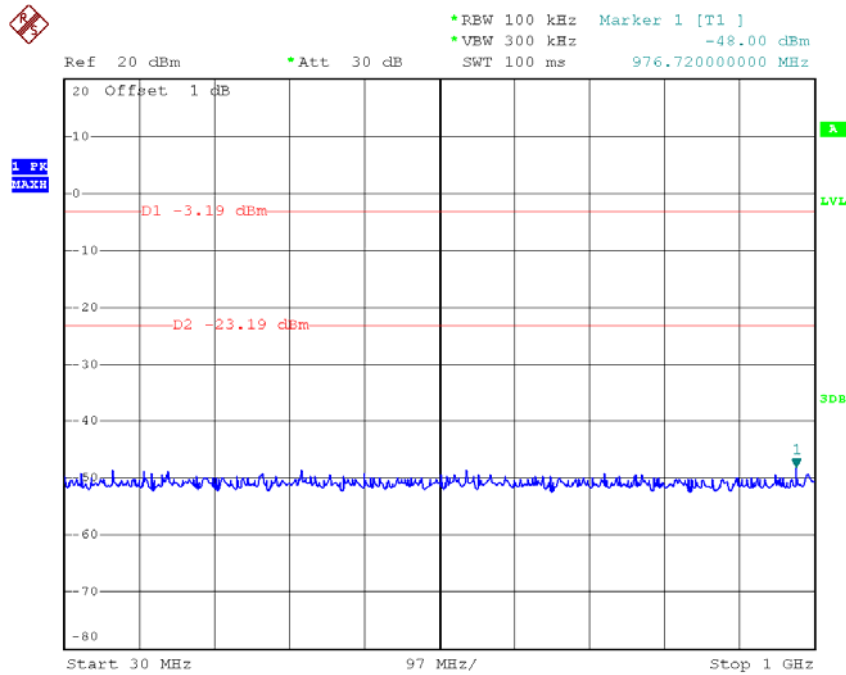
Date: 13.MAY.2014 19:02:32

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



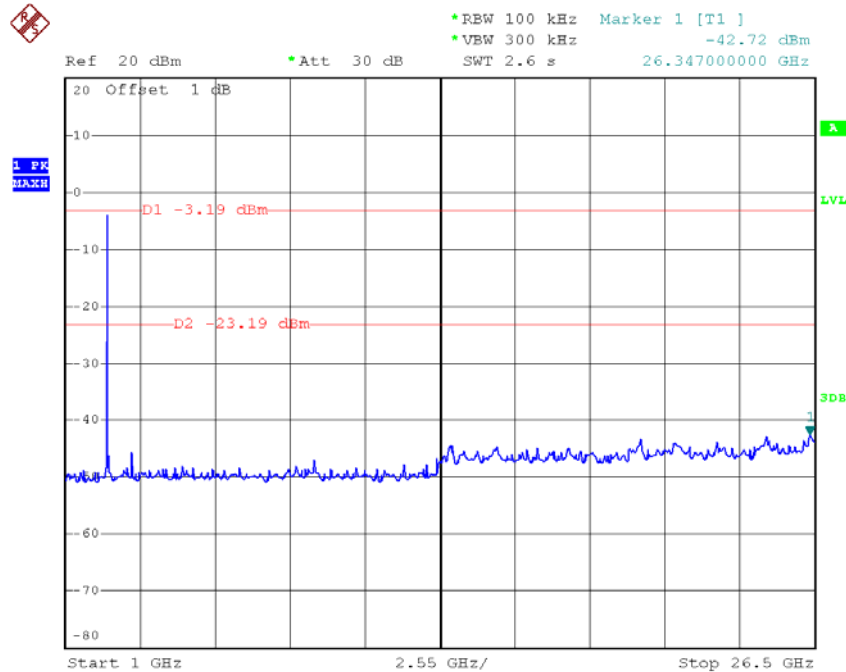
Date: 13.MAY.2014 19:02:48

TX HT40 mode CH09 (30MHz to 1000MHz)



Date: 13.MAY.2014 19:06:29

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



Date: 13.MAY.2014 19:06:51

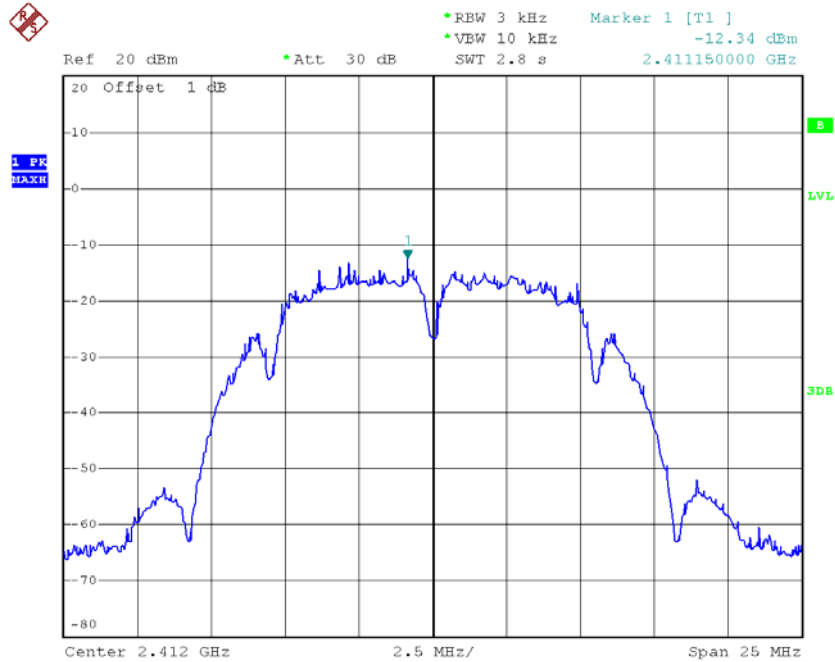


ATTACHMENT H - POWER SPECTRAL DENSITY



Test Mode :TX B Mode_CH01/06/11

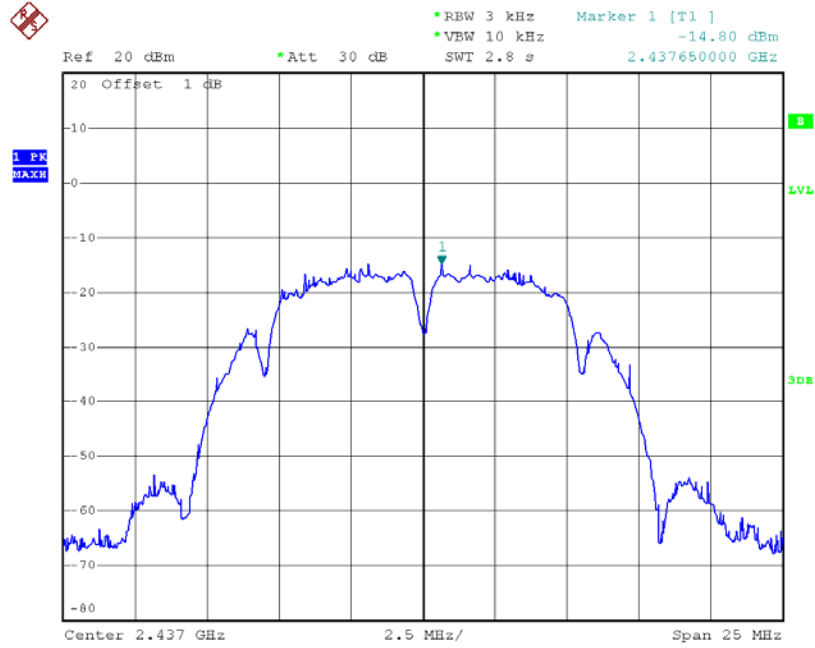
TX CH01



Date: 13.MAY.2014 18:07:15

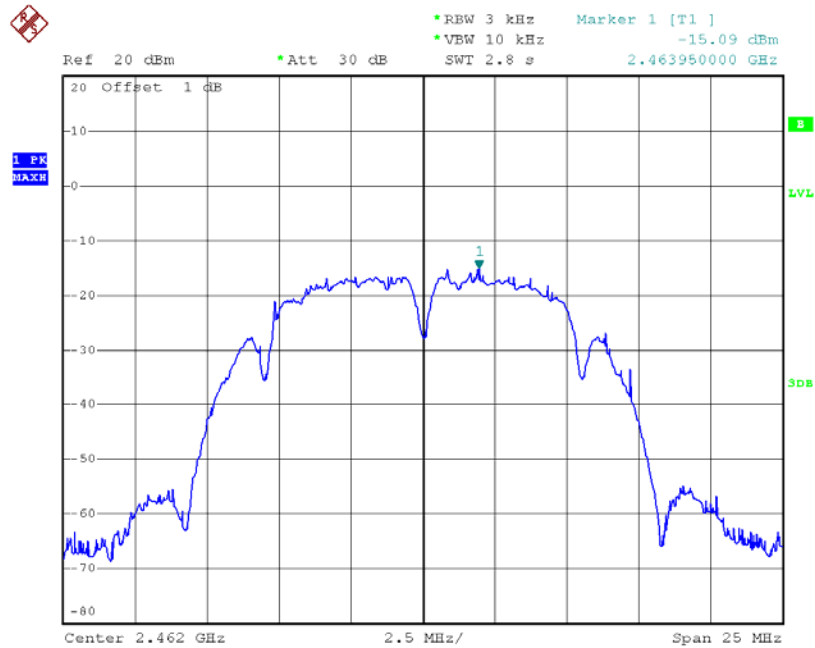


TX CH06



Date: 13.MAY.2014 18:12:57

TX CH11

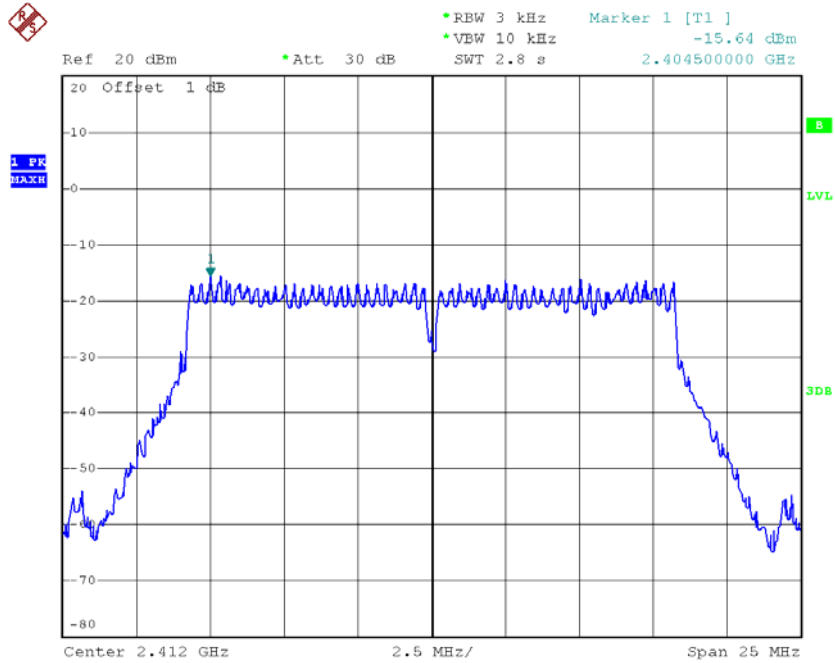


Date: 13.MAY.2014 18:15:51



Test Mode :TX G Mode_CH01/06/11

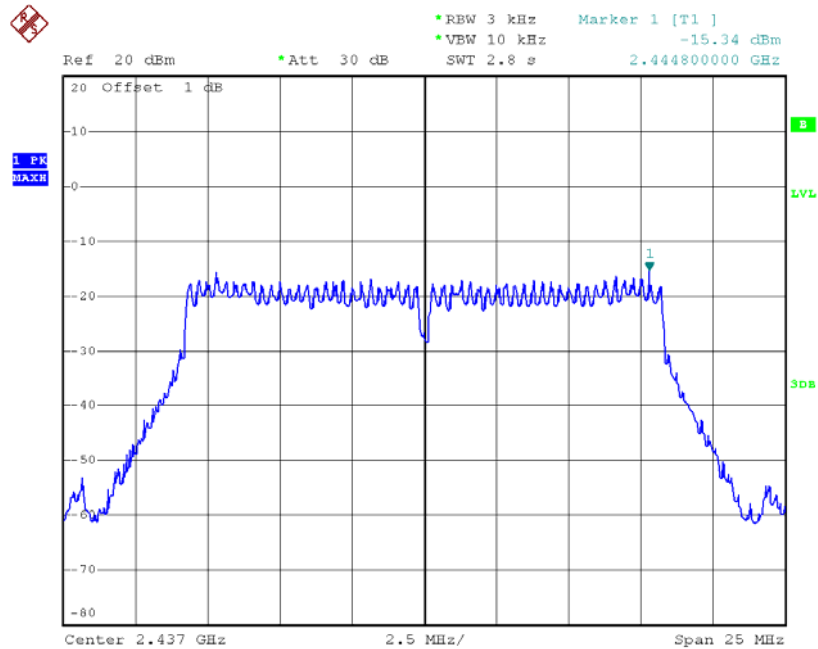
TX CH01



Date: 13.MAY.2014 18:19:27

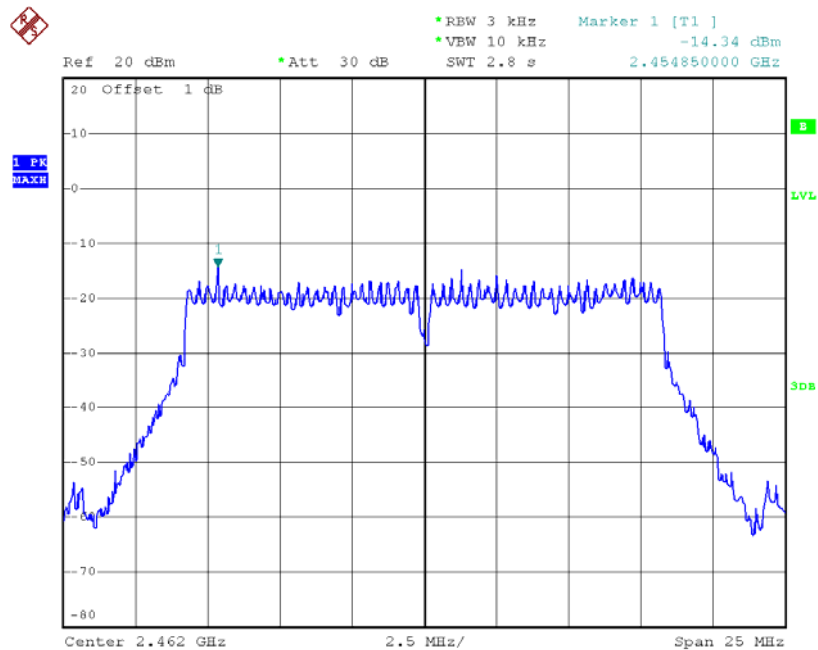


TX CH06



Date: 13.MAY.2014 18:37:40

TX CH11

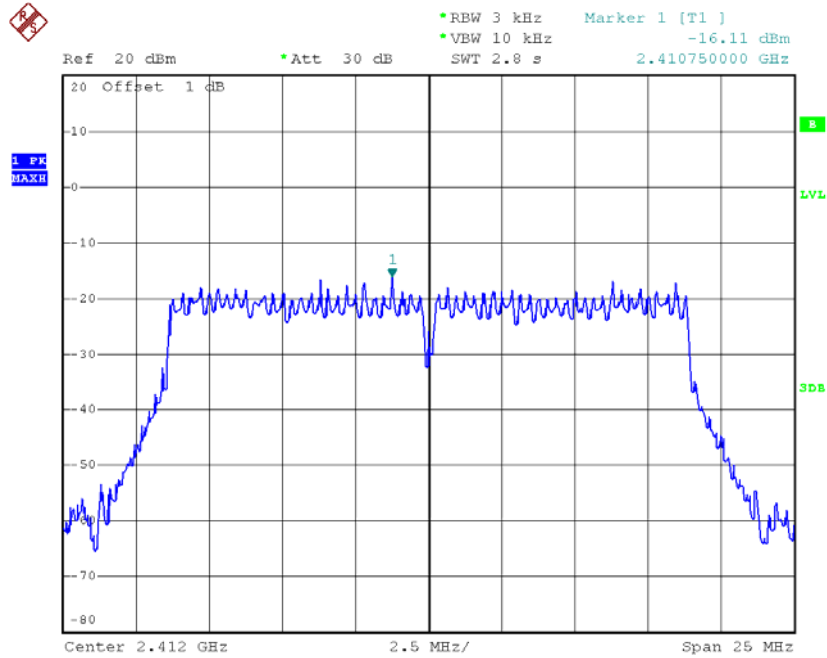


Date: 13.MAY.2014 18:40:22



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

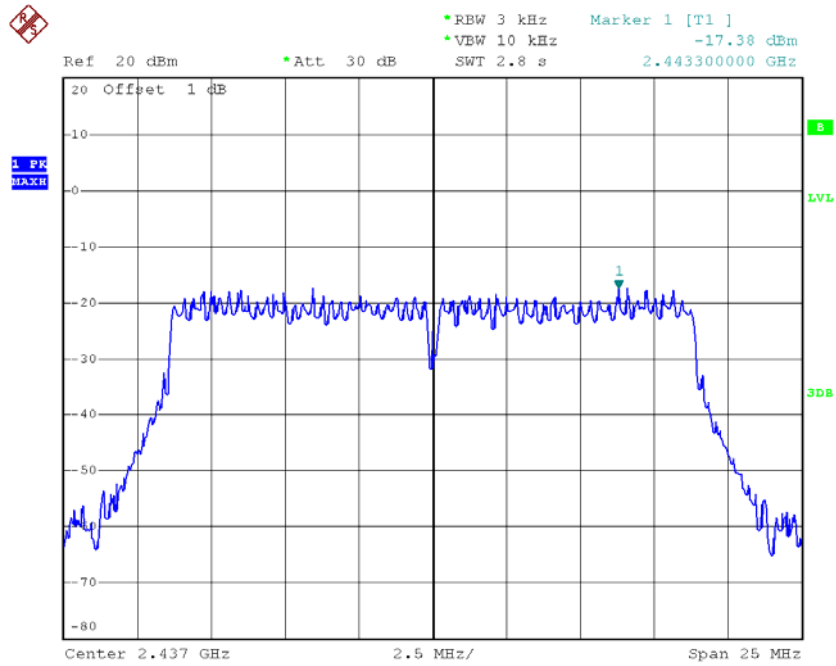
TX CH01



Date: 13.MAY.2014 18:46:05

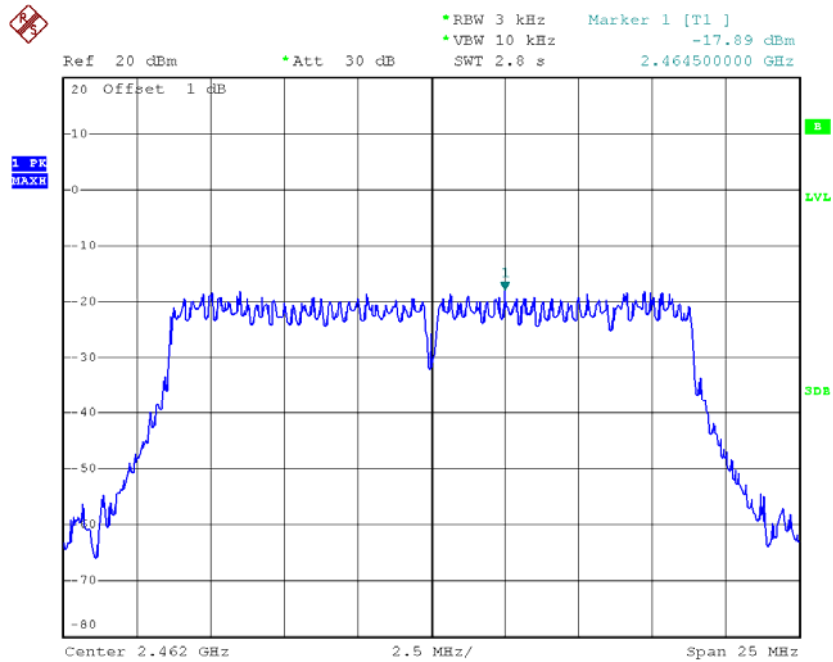


TX CH06



Date: 13.MAY.2014 18:50:23

TX CH11

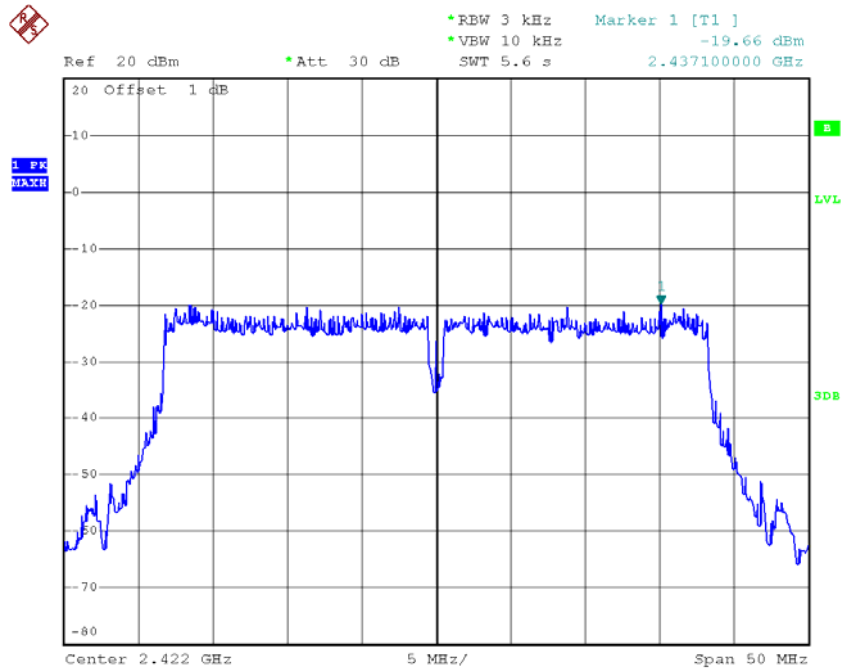


Date: 13.MAY.2014 18:53:01



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

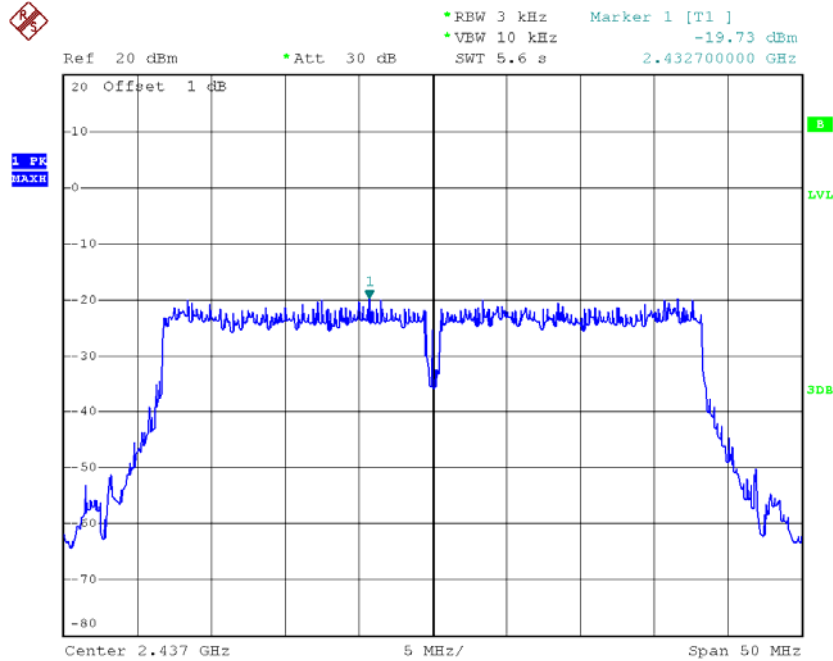
TX CH03



Date: 13.MAY.2014 18:56:53

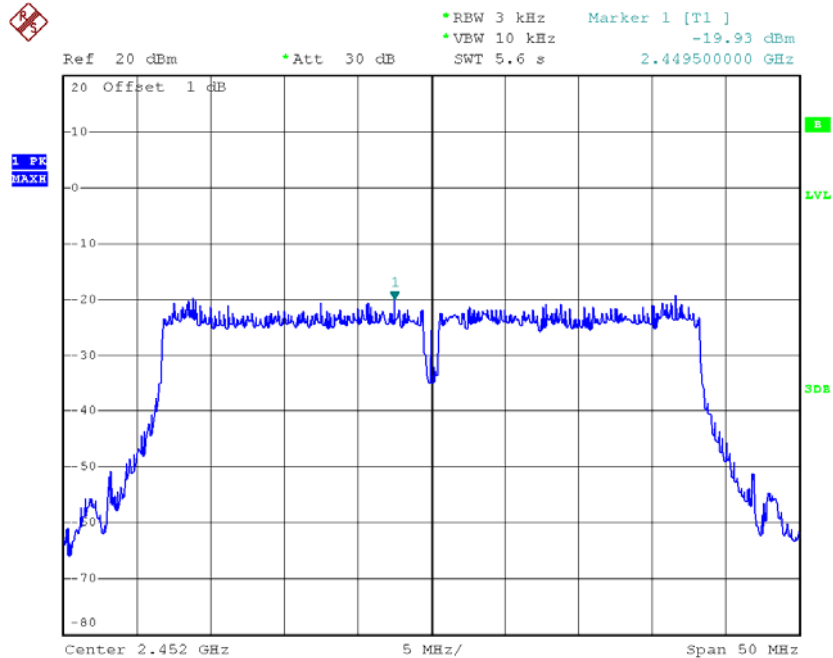


TX CH06



Date: 13.MAY.2014 19:00:28

TX CH09



Date: 13.MAY.2014 19:03:36