

FCC Radio Test Report

FCC ID: 2AG3H-DLI3300H3R1

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

Project No. : 1512057
Equipment : PDA
Model Name : DLI3300
Applicant : Data Ltd Inc
Address : 5570 Lee Street, Suite 12, Lehigh Acres, FL33971,
USA

Date of Receipt : Dec. 08, 2015
Date of Test : Dec. 08, 2015 ~ Jan. 06, 2016
Issued Date : Jan. 07, 2016
Tested by : BTL Inc.

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Declaration

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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-2-1512057	Original Issue.	Jan. 07, 2016

1. CERTIFICATION

Equipment : PDA
Brand Name : DLI
Model Name : DLI3300
Applicant : Data Ltd Inc
Date of Test : Dec. 08, 2015 ~ Jan. 06, 2016
Test Sample : Engineering Sample
Standard(s) : FCC Part15, Subpart C (15.247) / ANSI C63.10-2013

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-2-1512057) 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).

Test results included in this report is only for the 2.4G WIFI part.

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.

2.1 TEST FACILITY

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

Conducted emission Test:

C05: (VCCI RN: C-4742; FCC RN:965108; FCC DN:TW1082)

No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

Radiated emission Test (Below 1 GHz):

CB08: (FCC RN: 614388; FCC DN: TW1054; IC Assigned Code: 4428C-1)

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

Radiated emission Test (Above 1 GHz):

CB08: (VCCI RN: G-91; FCC RN: 614388; FCC DN: TW1054; IC Assigned Code: 4428C-1)

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

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 BTL measurement uncertainty is less than the CISPR 16-4-2 U_{CISPR} requirement.

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

A. Conducted emission test:

Test Site	Method	Measurement Frequency Range	U , (dB)
C05	CISPR	150 kHz~30MHz	2.04

B. Radiated emission test:

Test Site	Method	Measurement Frequency Range	U ,(dB)
CB08 (3m)	CISPR	9kHz ~ 150kHz	4.00
		150kHz ~ 30MHz	4.00

Test Site	Method	Measurement Frequency Range	Ant. H / V	U ,(dB)
CB08 (3m)	CISPR	30MHz ~ 200MHz	V	3.06
		30MHz ~ 200MHz	H	2.58
		200MHz ~ 1,000MHz	V	3.50
		200MHz ~ 1,000MHz	H	3.10

Test Site	Method	Measurement Frequency Range	Ant. H / V	U ,(dB)
CB08 (3m)	CISPR	1GHz ~ 6GHz	V	4.14
		1GHz ~ 6GHz	H	4.14
		6GHz ~ 18GHz	V	5.34
		6GHz ~ 18GHz	H	5.34

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} .

Note: unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	PDA	
Brand Name	DLI	
Model Name	DLI3300	
Model Difference	N/A	
Product Description	Operation Frequency	2412~2462 MHz
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM
	Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 150 Mbps
	Output Power (Max.)	802.11b: 21.81 dBm 802.11g: 24.53 dBm 802.11n(20MHz): 24.62 dBm 802.11n(40MHz): 23.87 dBm
Power Source	#1 DC voltage supplied from AC/DC adapter. (support unit) Brand/ model: GlobTek/ GT-41062-1805 #2 Supplied from Rechargeable Li-ion Polymer Battery. Model: DLI3300-4500	
Power Rating	#1 I/P: 100-240V~ 50/60Hz O/P: DC 5V 3A #2 DC 3.7V 4500mAh, 16.65W/hr	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. Channel List:

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

3. Table for Filed Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	0.2

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:

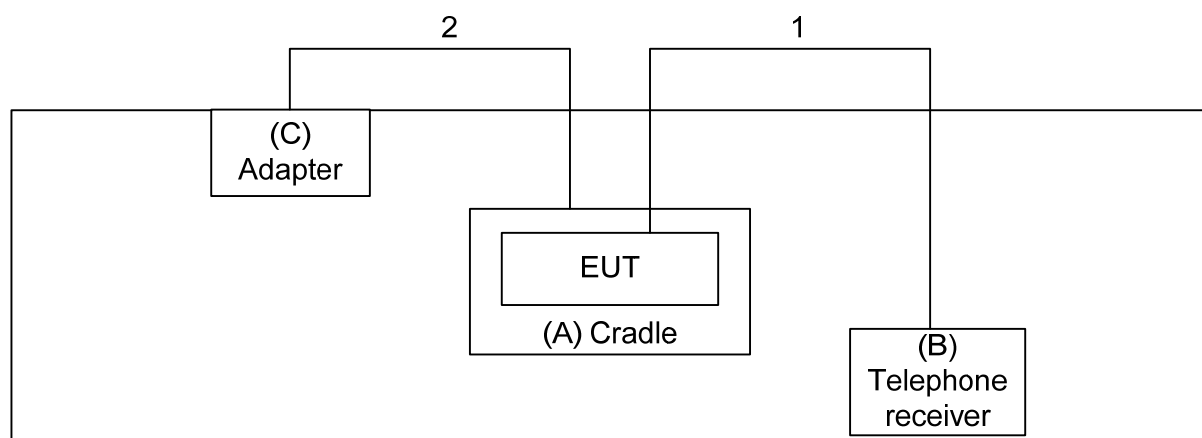
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
 802.11g mode: OFDM (6Mbps)
 802.11n HT20 mode: BPSK (6.5Mbps)
 802.11n HT40 mode: BPSK (13.5Mbps)
 For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.
- (4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software version	N/A		
Frequency (MHz)	2412	2437	2462
802.11b	20	20	20
802.11g	18	18	18
802.11n (20MHz)	18	18	18
Frequency (MHz)	2422	2437	2452
802.11n (40MHz)	18	18	18

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	Series No.
A	Cradle	N/A	N/A	N/A	N/A
B	Telephone receiver	N/A	N/A	N/A	N/A
C	Adapter	Glob Tek	GT-41062-1805	N/A	WR9QA3200L9P-N

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.1m	Data Cable
2	NO	YES	1.07m	Power Cable

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
- (2) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
 Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

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

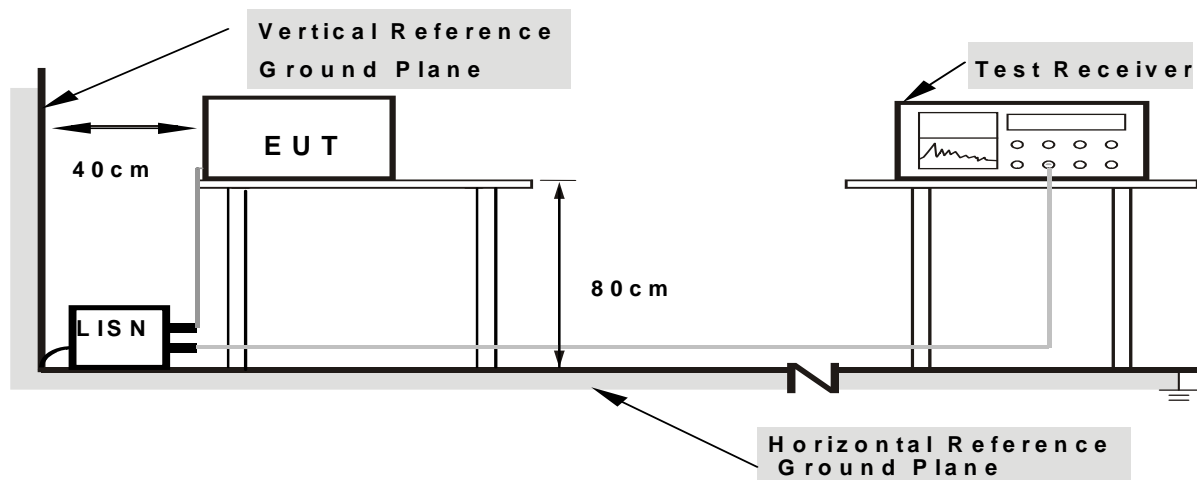
4.1.2 TEST PROCEDURE

- 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 placed on the test table and programmed in normal function.

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 65% 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

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).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T 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

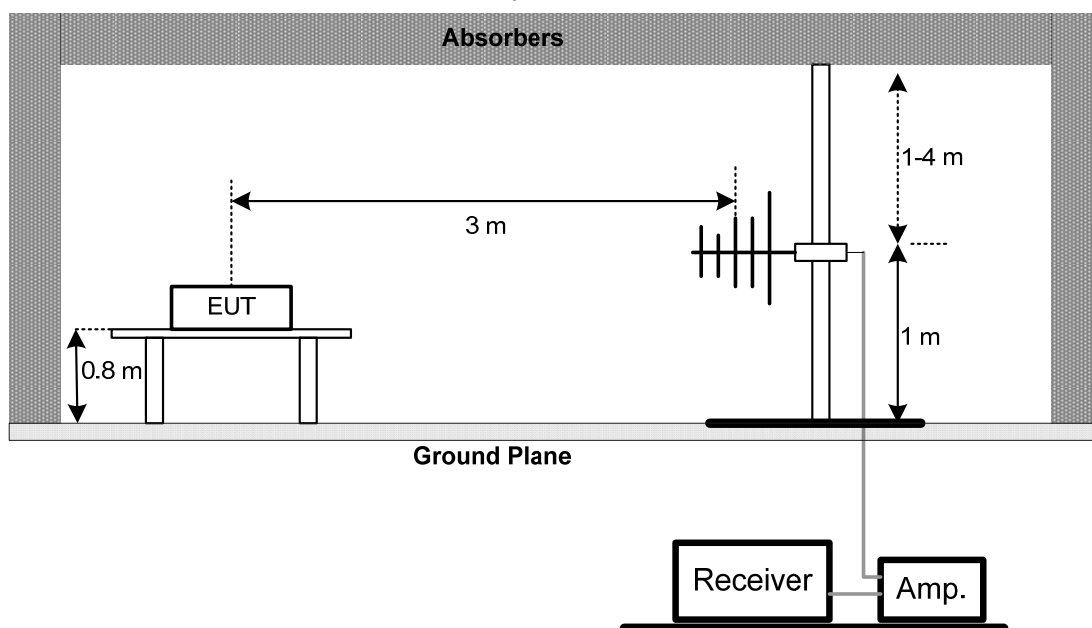
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-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 or 1.5 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.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

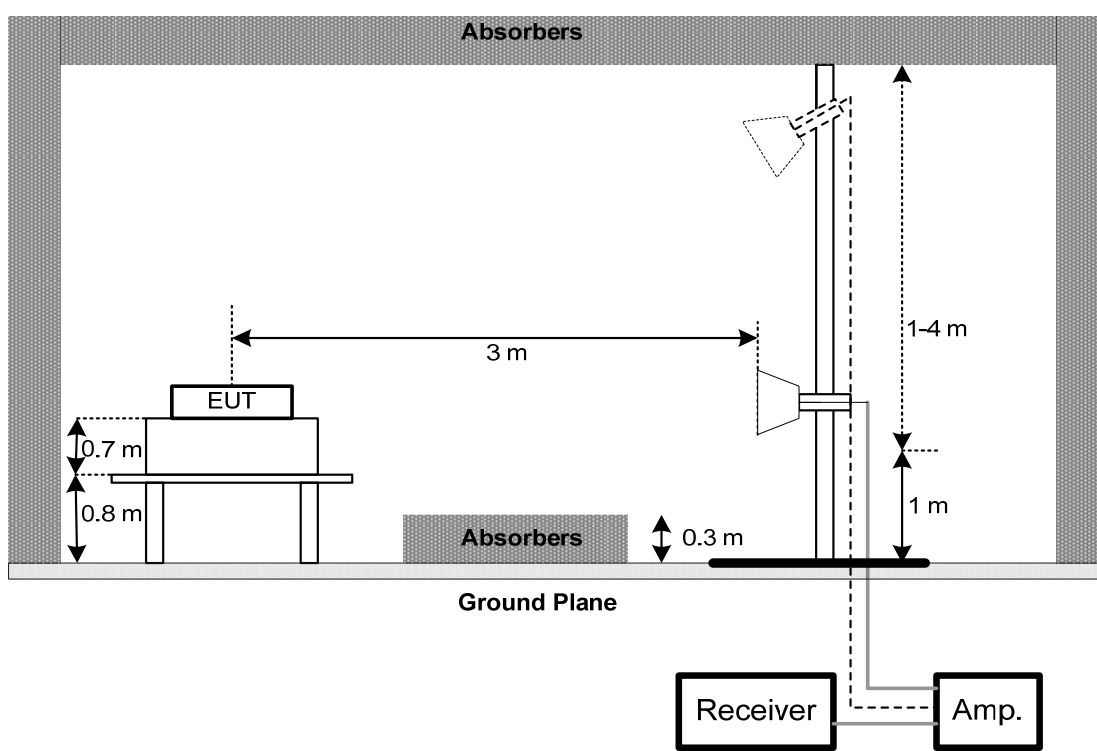
No deviation

4.2.4 TEST SETUP

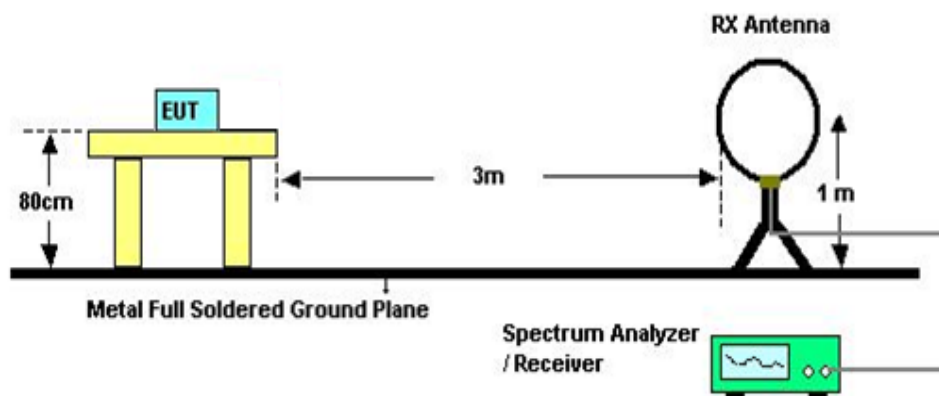
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 65% 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 (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 was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 65% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
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 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r03.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 65% 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 device is operating, the RF power that is produced 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 or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

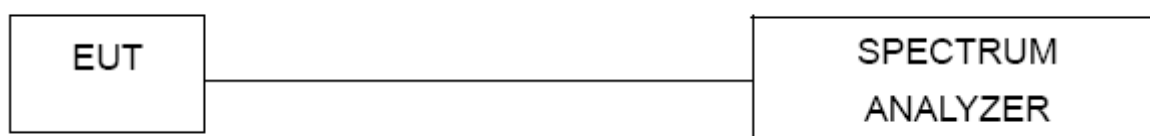
7.1.1 TEST PROCEDURE

- 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.
- c. Offset=antenna gain+cable loss

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 65% 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 was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 65% 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	TWO-LINE V-NETWORK	R&S	ENV216	101050	Jun. 01, 2016
2	Test Cable	TIMES	CFD300-NL	C03	Mar. 04, 2016
3	EMI Test Receiver	R&S	ESR3	101854	Dec. 08, 2016
4	Measurement Software	EZ	EZ EMC (Version NB-03A)	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY51160196	Jan. 06, 2017
2	Horn Antenna	Schwarzbeck	BBHA 9120	D-325	Apr. 20, 2016
3	Microwave Pre-amplifier	Agilent	8449B	3008A01714	Apr. 13, 2016
4	Microflex Cable	Harbour industries	27478LL142	1m	Apr. 13, 2016
5	Microflex Cable	EMC	S104-SMA	8m	May 14, 2016
6	Microflex Cable	Harbour industries	27478LL142	3m	May 13, 2016
7	Test Cable	LMR	LMR-400	10m	May 13, 2016
8	Test Cable	LMR	LMR-400	3m	May 13, 2016
9	Pre-Amplifier	Anritsu	MH648A	M92649	Jun. 16, 2016
10	Log-Bicon Antenna	Schwarzbeck	VULB9168-352	9168-352	Jul. 30, 2016
11	Loop Antenna	EMCO	6502	00042960	Nov. 05, 2016

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 06, 2017

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2487A	6K00004714	May 19, 2016
2	Power Meter Sensor	Anritsu	MA2491A	034138	May 18, 2016

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 06, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 06, 2017

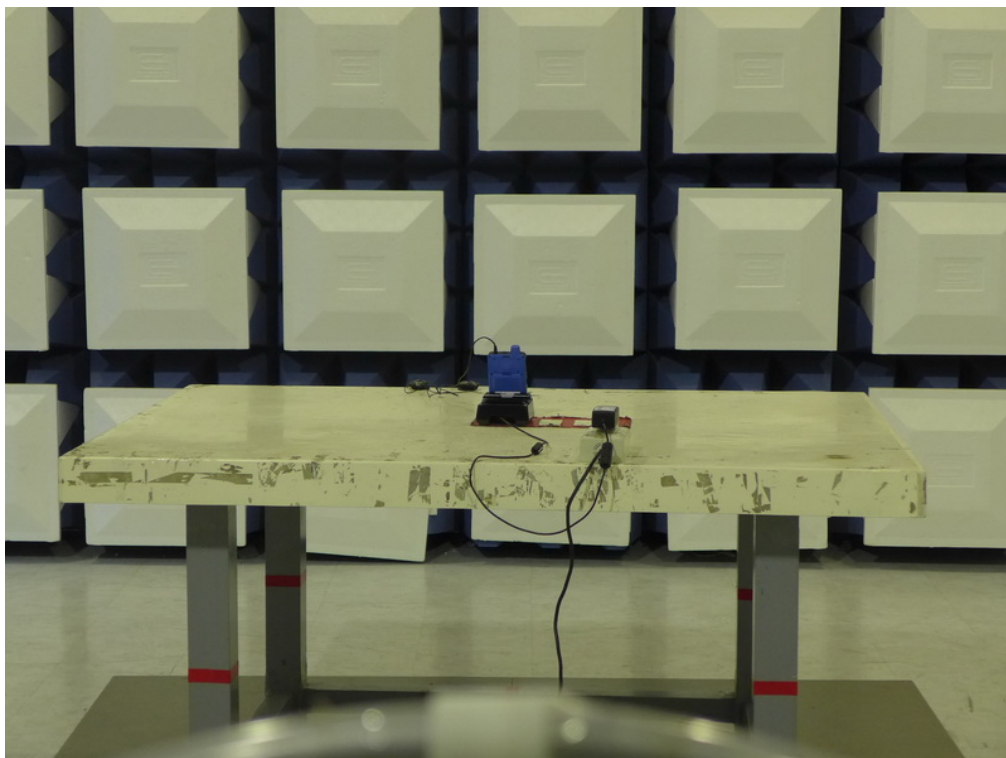
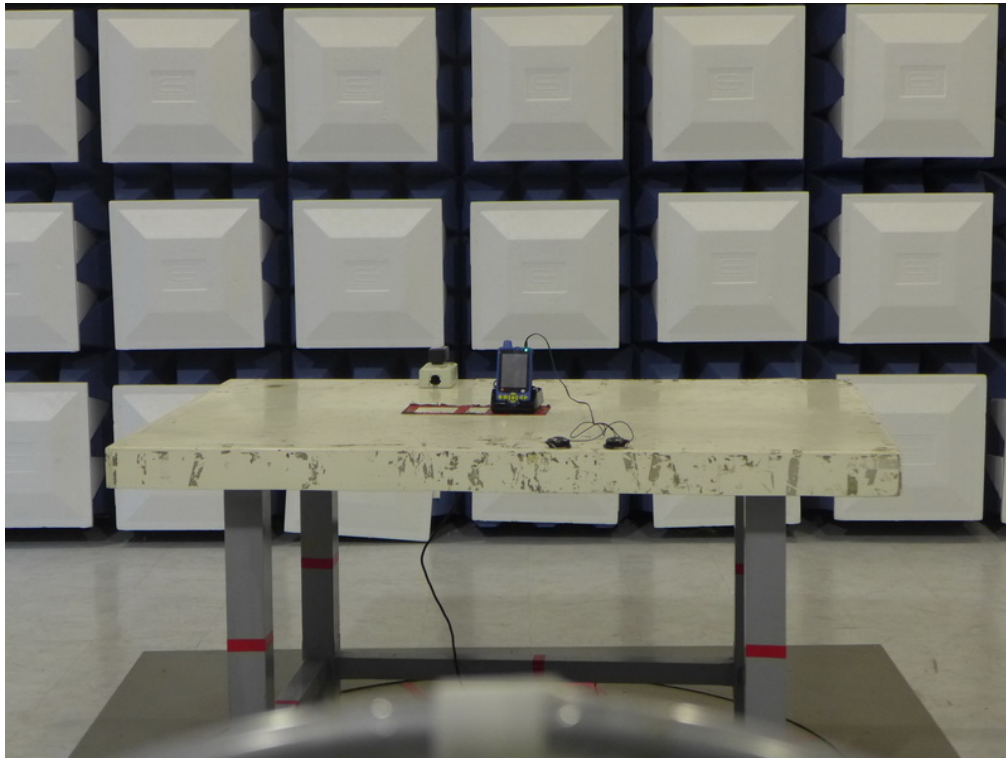
Remark: "N/A" denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

10. EUT TEST PHOTO

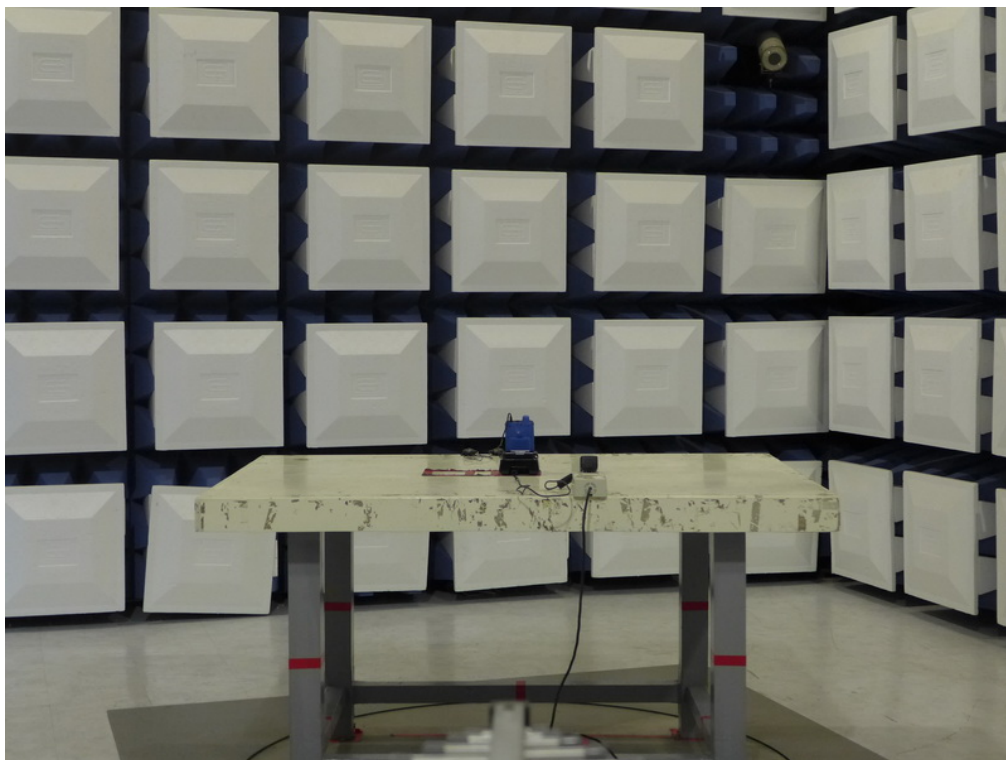
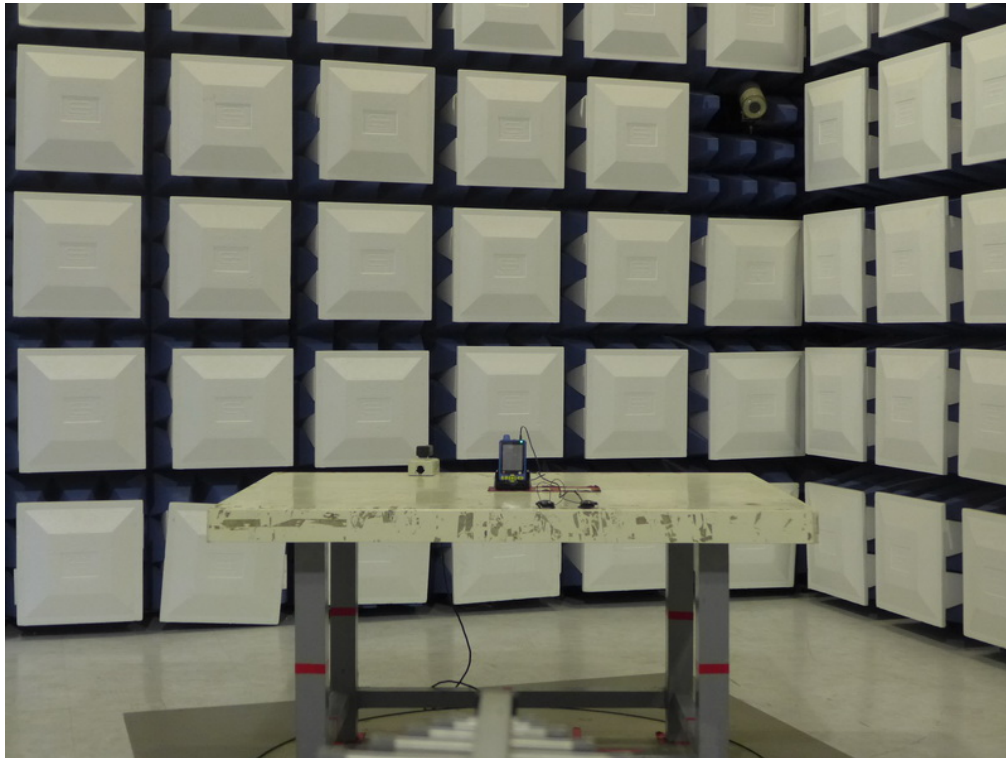
Conducted Measurement Photos



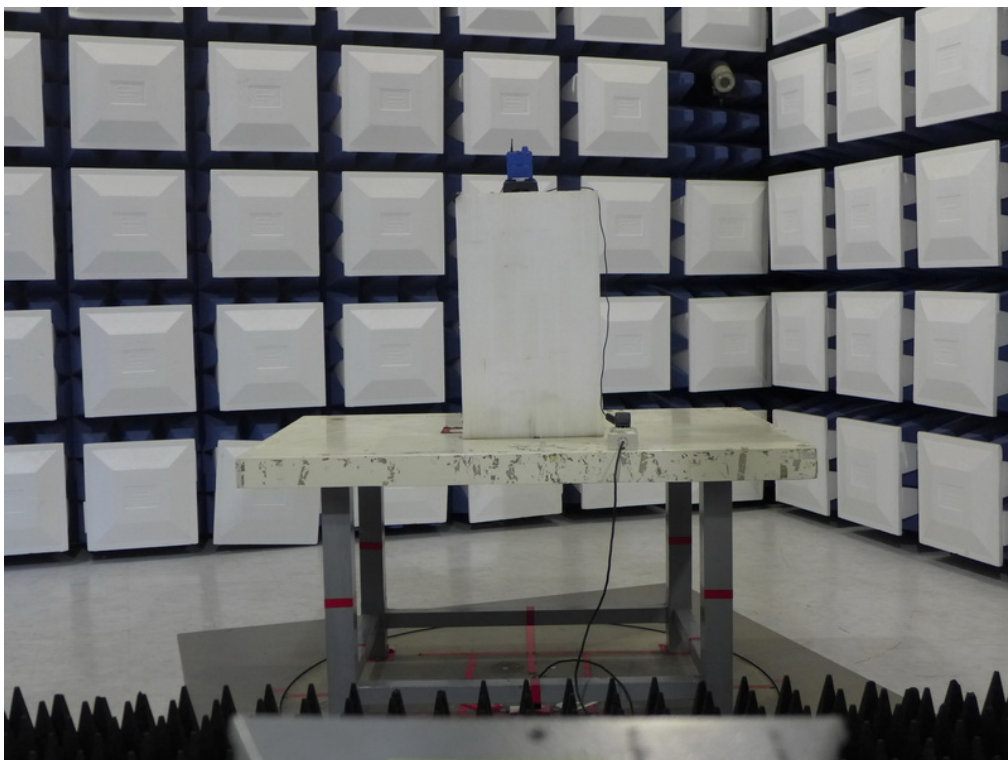
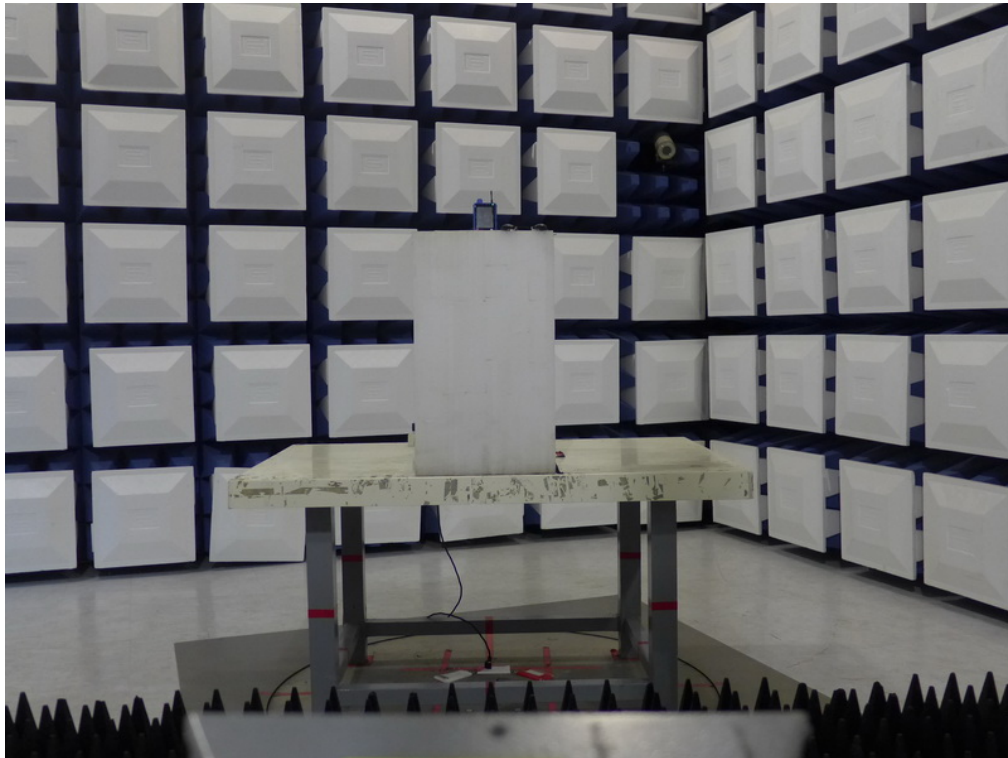
Radiated Measurement Photos 9KHz to 30MHz



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



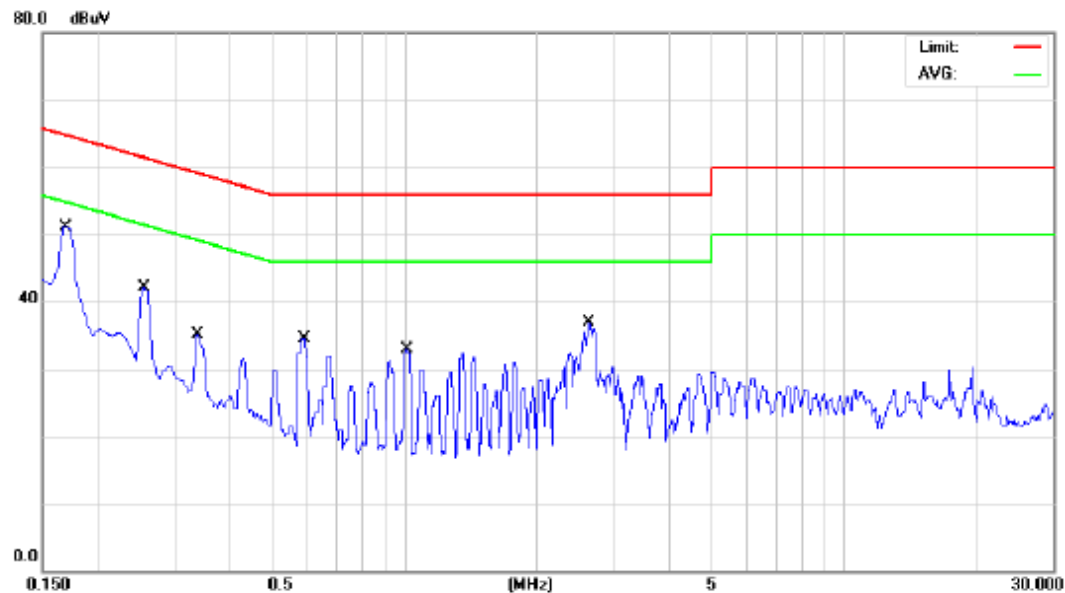
**Radiated Measurement Photos
Above 1000MHz**



ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX Mode

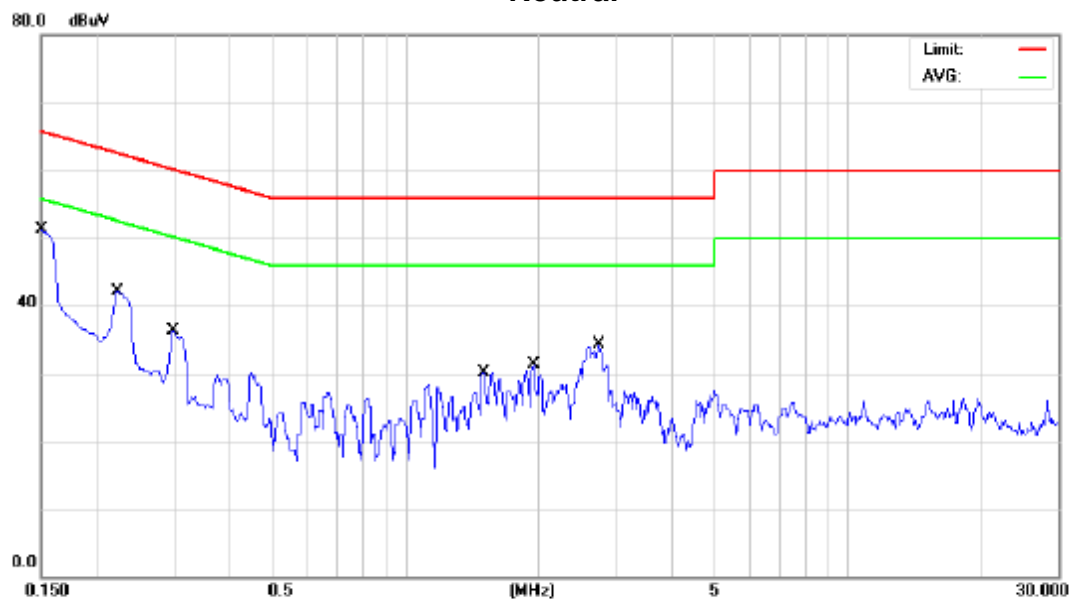
Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1689	40.00	9.67	49.67	65.01	-15.34	QP	
2		0.1689	28.10	9.67	37.77	55.01	-17.24	AVG	
3		0.2536	30.20	9.66	39.86	61.64	-21.78	QP	
4		0.2536	20.30	9.66	29.96	51.64	-21.68	AVG	
5		0.3383	23.20	9.66	32.86	59.24	-26.38	QP	
6		0.3383	13.90	9.66	23.56	49.24	-25.68	AVG	
7		0.5899	18.10	9.67	27.77	56.00	-28.23	QP	
8		0.5899	11.70	9.67	21.37	46.00	-24.63	AVG	
9		1.0130	17.70	9.70	27.40	56.00	-28.60	QP	
10		1.0130	5.50	9.70	15.20	46.00	-30.80	AVG	
11		2.6330	23.00	9.79	32.79	56.00	-23.21	QP	
12		2.6330	8.40	9.79	18.19	46.00	-27.81	AVG	

Test Mode: TX Mode

Neutral



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1	*	0.1500	39.20	9.66	48.86	65.99	-17.13	QP	
2		0.1500	24.70	9.66	34.36	55.99	-21.63	AVG	
3		0.2221	30.30	9.66	39.96	62.74	-22.78	QP	
4		0.2221	17.70	9.66	27.36	52.74	-25.38	AVG	
5		0.2977	23.40	9.67	33.07	60.30	-27.23	QP	
6		0.2977	14.90	9.67	24.57	50.30	-25.73	AVG	
7		1.4990	18.90	9.72	28.62	56.00	-27.38	QP	
8		1.4990	10.50	9.72	20.22	46.00	-25.78	AVG	
9		1.9580	18.70	9.75	28.45	56.00	-27.55	QP	
10		1.9580	8.80	9.75	18.55	46.00	-27.45	AVG	
11		2.7320	21.70	9.78	31.48	56.00	-24.52	QP	
12		2.7320	8.60	9.78	18.38	46.00	-27.62	AVG	

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

Test Mode: TX B MODE CHANNEL 01

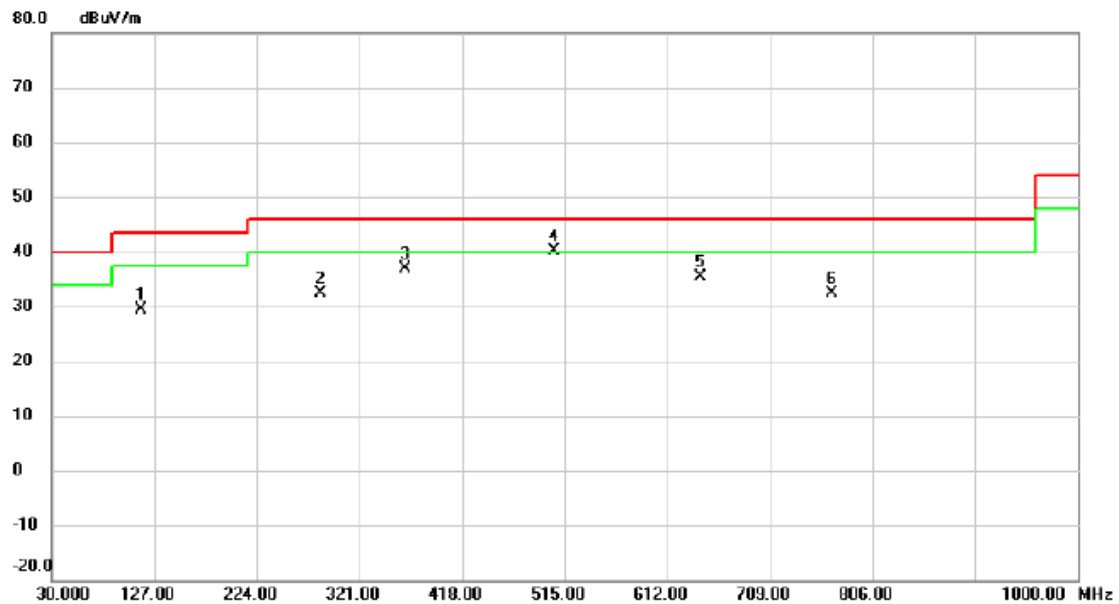
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.012	0°	32.37	22.35	54.72	106.02	-51.30	AVG
0.012	0°	42.45	22.35	64.80	126.02	-61.22	PK
0.0255	0°	23.42	22.01	45.43	99.47	-54.04	AVG
0.0255	0°	39.85	22.01	61.86	119.47	-57.61	PK
0.0387	0°	23.12	21.68	44.80	95.85	-51.05	AVG
0.0387	0°	33.58	21.68	55.26	115.85	-60.59	PK
0.0653	0°	24.85	21.16	46.01	91.31	-45.30	AVG
0.0653	0°	32.84	21.16	54.00	111.31	-57.31	PK
1.2640	0°	30.74	20.34	51.08	65.57	-14.49	QP
1.3400	0°	33.54	20.26	53.80	65.06	-11.26	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0157	90°	33.51	22.26	55.77	103.69	-47.92	AVG
0.0157	90°	40.25	22.26	62.51	123.69	-61.18	PK
0.0277	90°	26.58	21.96	48.54	98.75	-50.22	AVG
0.0277	90°	33.74	21.96	55.70	118.75	-63.06	PK
0.0351	90°	25.54	21.77	47.31	96.70	-49.39	AVG
0.0351	90°	29.8	21.77	51.57	116.70	-65.13	PK
0.0763	90°	24.15	20.98	45.13	89.95	-44.82	AVG
0.0763	90°	30.87	20.98	51.85	109.95	-58.10	PK
1.4530	90°	33.48	20.15	53.63	64.36	-10.73	QP
1.6000	90°	32.78	20.00	52.78	63.52	-10.74	QP

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

Test Mode: TX MODE 2437MHz

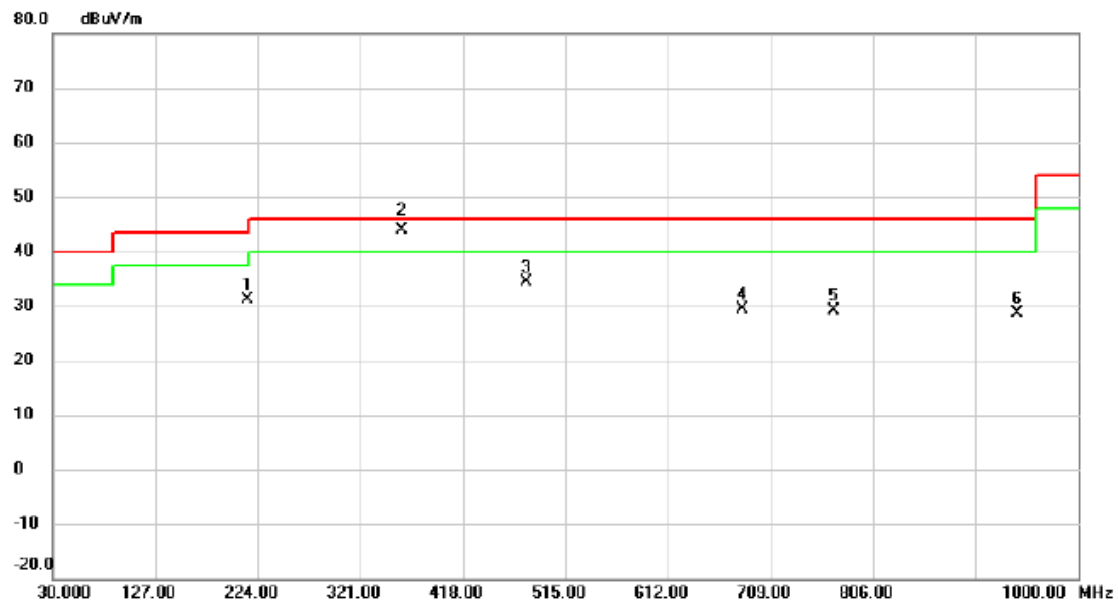
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		114.8750	46.46	-17.15	29.31	43.50	-14.19	peak	
2		284.6250	46.47	-13.97	32.50	46.00	-13.50	peak	
3		364.6500	49.06	-12.14	36.92	46.00	-9.08	peak	
4	*	505.3000	49.29	-9.24	40.05	46.00	-5.95	peak	
5		643.5250	42.16	-6.90	35.26	46.00	-10.74	peak	
6		767.2000	36.82	-4.55	32.27	46.00	-13.73	peak	

Test Mode: TX MODE 2437MHz

Horizontal

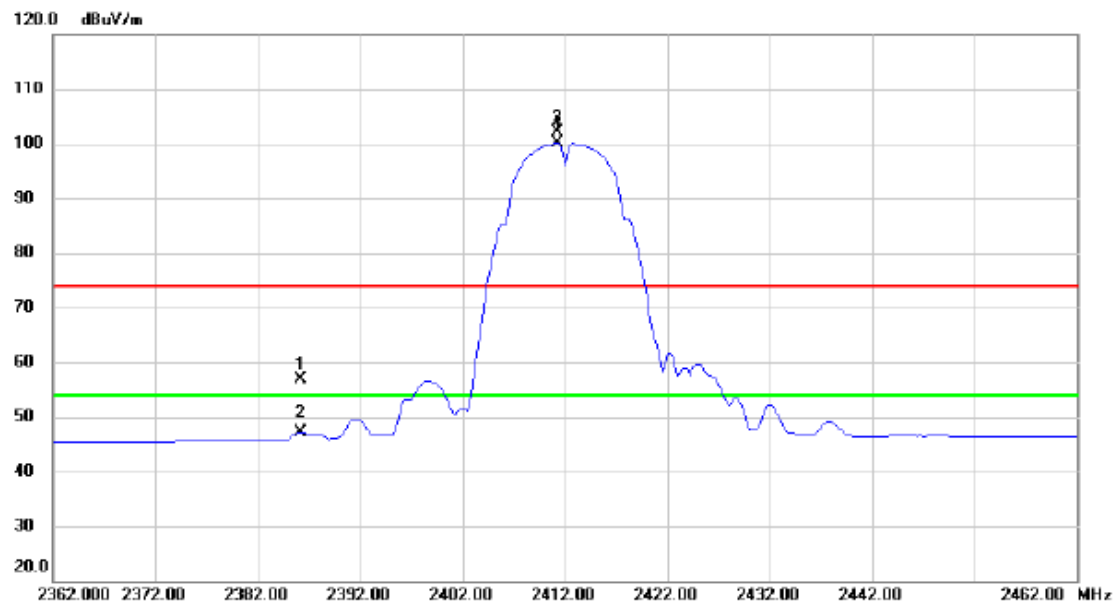


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		214.3000	47.81	-16.63	31.18	43.50	-12.32	peak	
2	*	359.8000	56.20	-12.29	43.91	46.00	-2.09	QP	
3		478.6250	44.03	-9.58	34.45	46.00	-11.55	peak	
4		682.3250	35.41	-5.97	29.44	46.00	-16.56	peak	
5		769.6250	33.68	-4.50	29.18	46.00	-16.82	peak	
6		941.8000	30.61	-1.99	28.62	46.00	-17.38	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode: TX B MODE 2412MHz

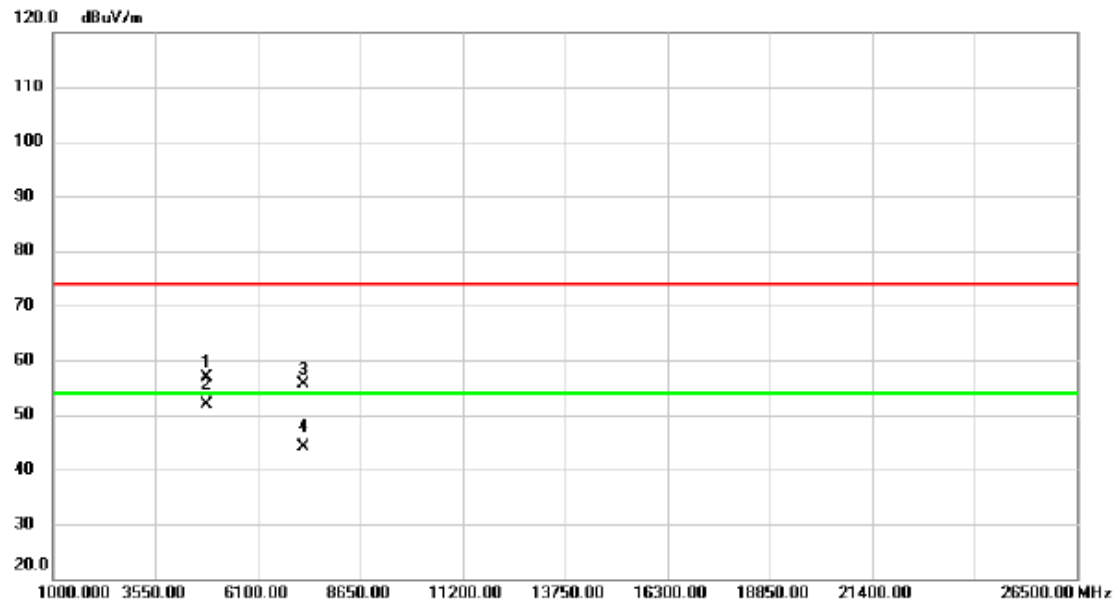
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.250	24.93	31.93	56.86	74.00	-17.14	peak	
2		2386.250	15.19	31.93	47.12	54.00	-6.88	AVG	
3	X	2411.250	70.04	32.03	102.07	74.00	28.07	peak	NO LIMIT
4	*	2411.250	68.09	32.03	100.12	54.00	46.12	AVG	NO LIMIT

Test Mode: TX B MODE 2412MHz

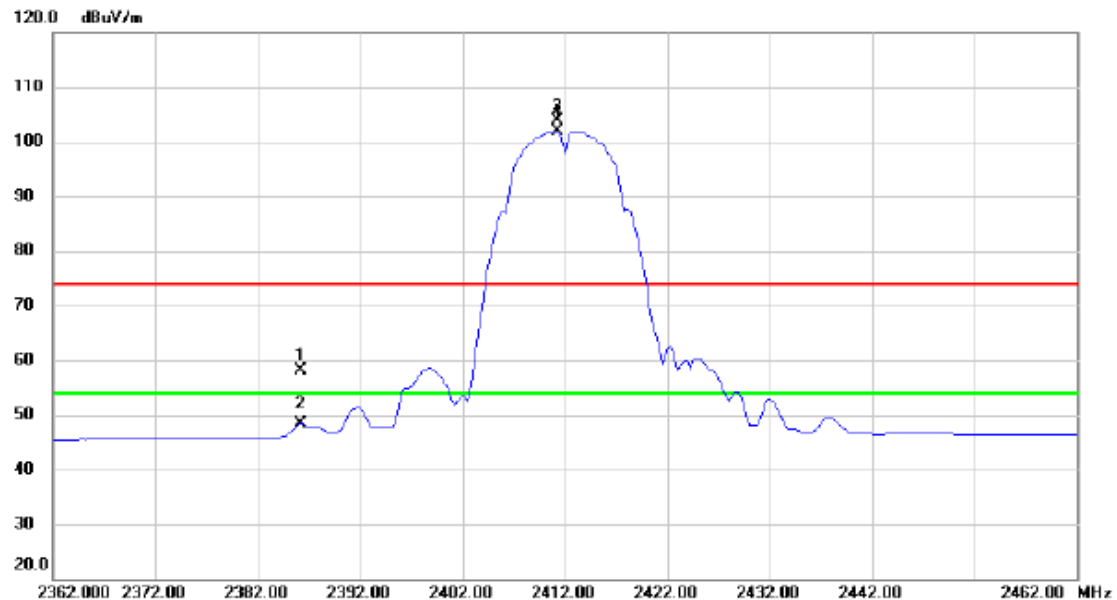
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4824.000	51.12	5.79	56.91	74.00	-17.09	peak	
2	*	4824.000	46.15	5.79	51.94	54.00	-2.06	AVG	
3		7231.600	41.79	13.87	55.66	74.00	-18.34	peak	
4		7231.600	30.33	13.87	44.20	54.00	-9.80	AVG	

Test Mode: TX B MODE 2412MHz

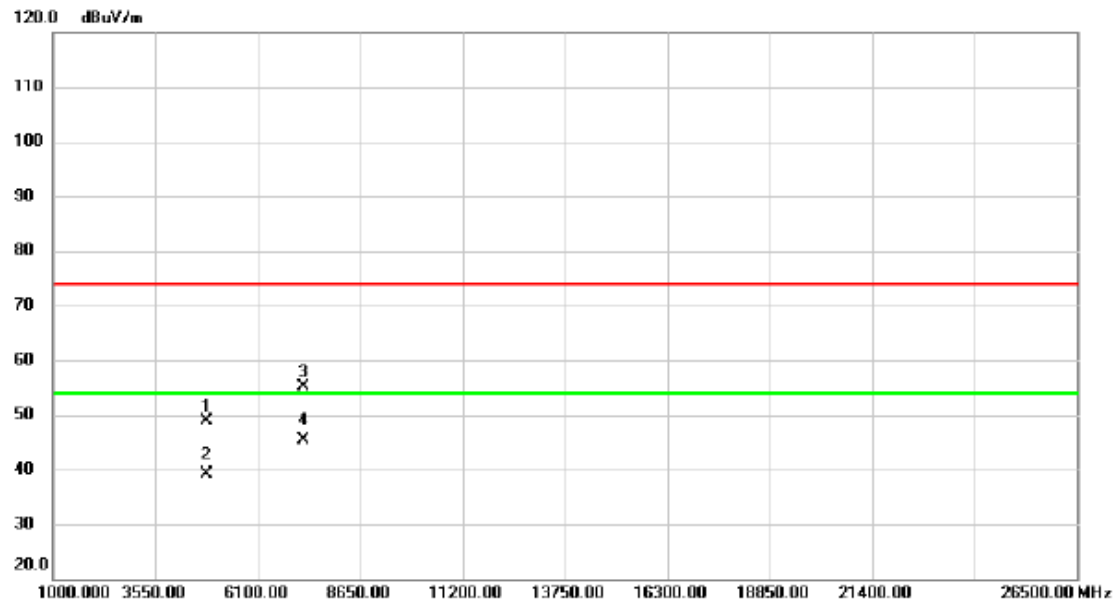
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.250	26.16	31.93	58.09	74.00	-15.91	peak	
2		2386.250	16.43	31.93	48.36	54.00	-5.64	AVG	
3	X	2411.250	71.86	32.03	103.89	74.00	29.89	peak	NO LIMIT
4	*	2411.250	69.90	32.03	101.93	54.00	47.93	AVG	NO LIMIT

Test Mode: TX B MODE 2412MHz

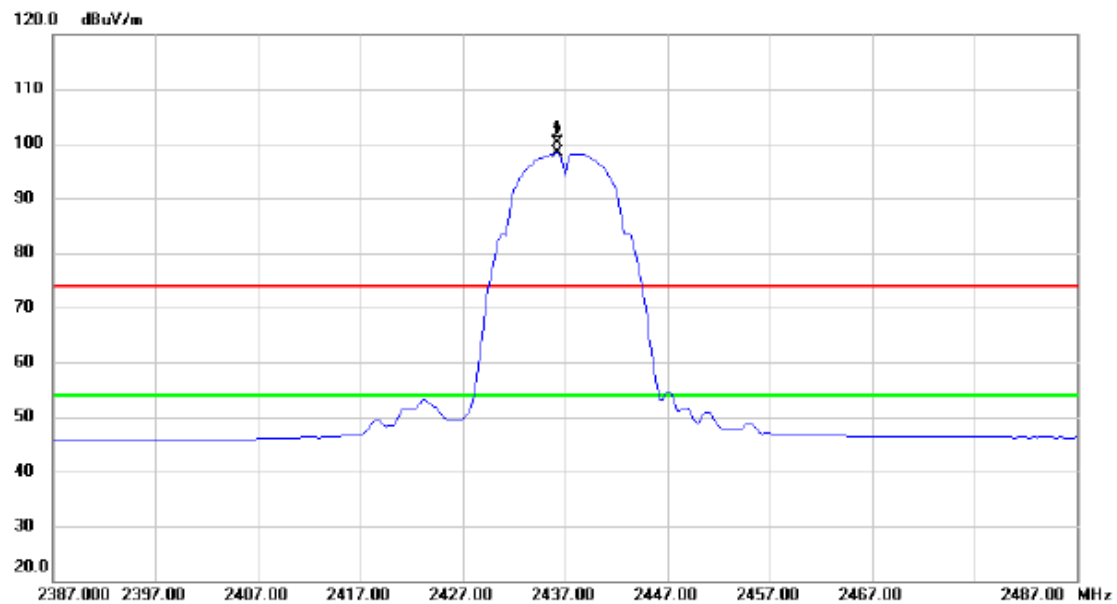
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.050	43.03	5.79	48.82	74.00	-25.18	peak	
2		4824.050	33.34	5.79	39.13	54.00	-14.87	AVG	
3		7237.400	41.13	13.88	55.01	74.00	-18.99	peak	
4	*	7237.400	31.48	13.88	45.36	54.00	-8.64	AVG	

Test Mode: TX B MODE 2437MHz

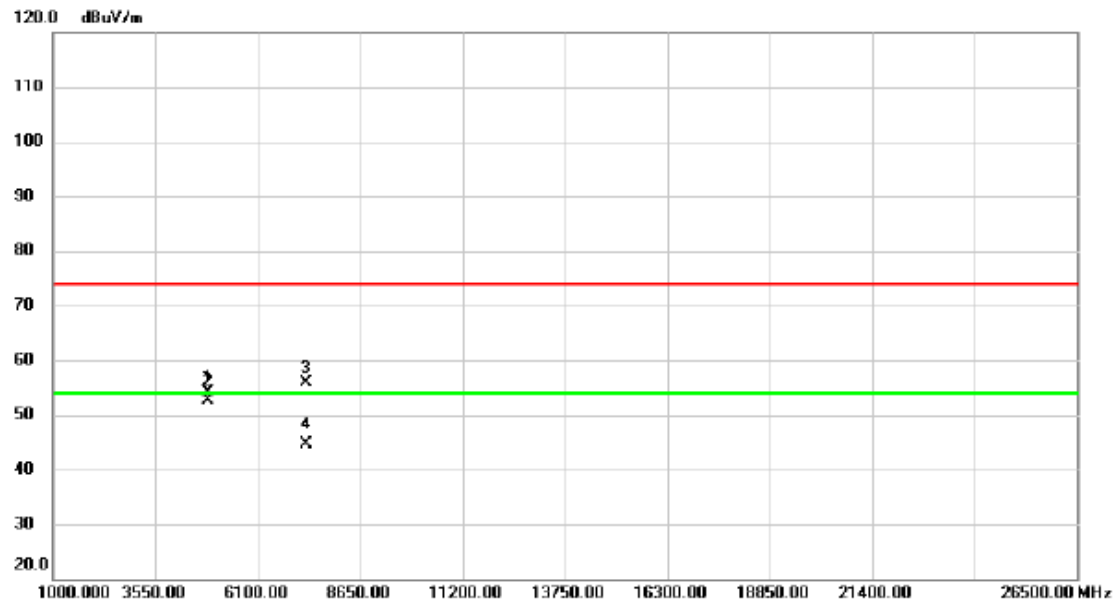
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2436.250	68.12	32.12	100.24	74.00	26.24	peak	NO LIMIT
2	*	2436.250	66.17	32.12	98.29	54.00	44.29	AVG	NO LIMIT

Test Mode: TX B MODE 2437MHz

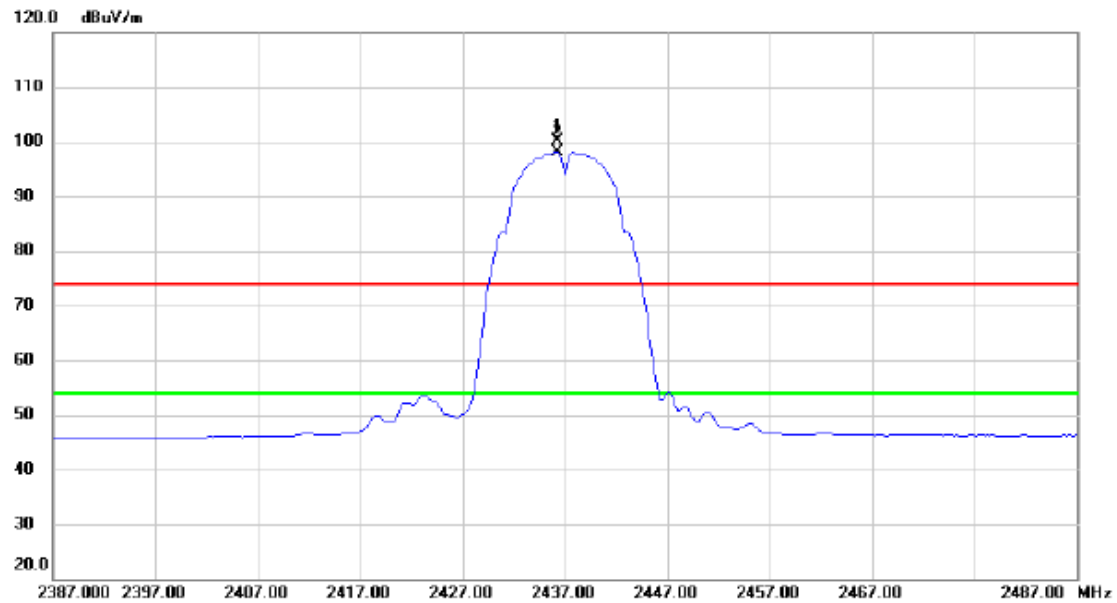
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4873.950	48.34	5.84	54.18	74.00	-19.82	peak	
2	*	4873.950	46.75	5.84	52.59	54.00	-1.41	AVG	
3		7309.050	41.84	14.05	55.89	74.00	-18.11	peak	
4		7309.050	30.61	14.05	44.66	54.00	-9.34	AVG	

Test Mode: TX B MODE 2437MHz

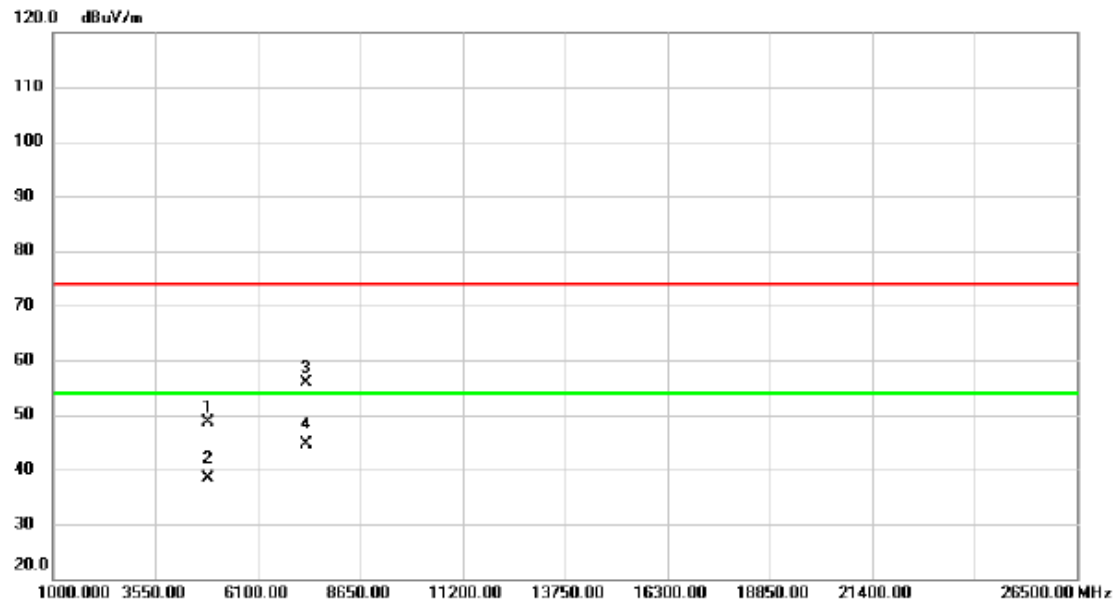
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2436.250	67.89	32.12	100.01	74.00	26.01	peak	NO LIMIT
2	*	2436.250	65.96	32.12	98.08	54.00	44.08	AVG	NO LIMIT

Test Mode: TX B MODE 2437MHz

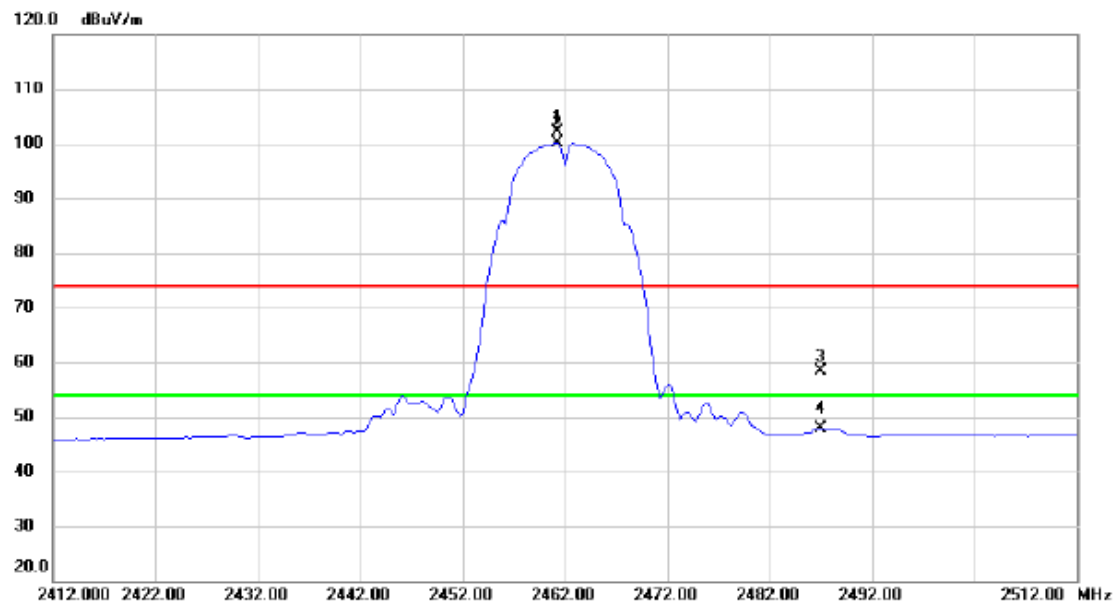
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.200	42.76	5.84	48.60	74.00	-25.40	peak	
2		4874.200	32.63	5.84	38.47	54.00	-15.53	AVG	
3		7301.700	41.88	14.04	55.92	74.00	-18.08	peak	
4	*	7301.700	30.60	14.04	44.64	54.00	-9.36	AVG	

Test Mode: TX B MODE 2462MHz

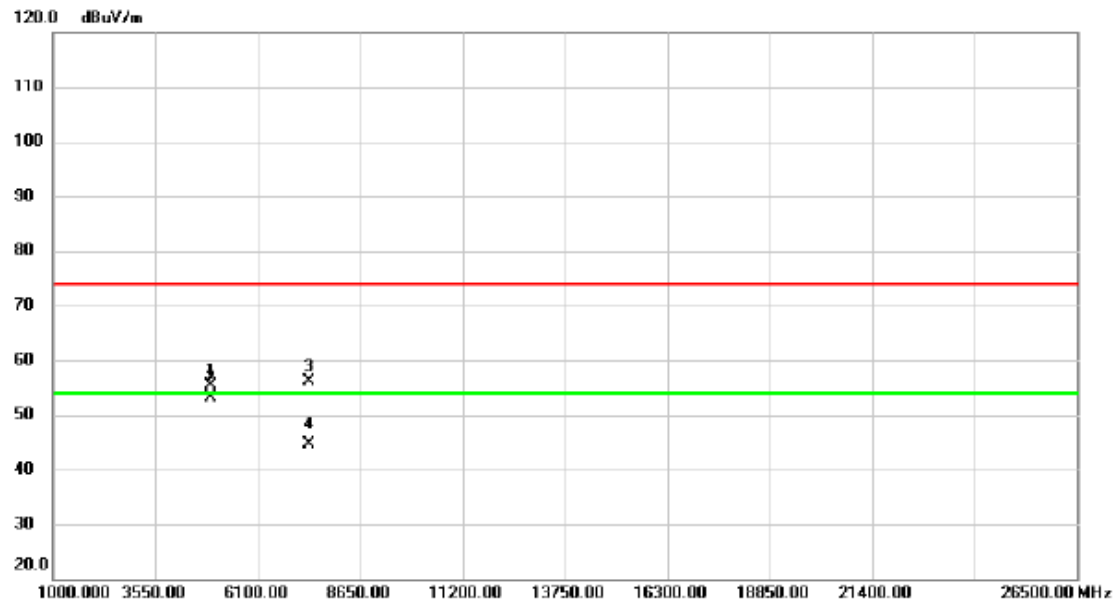
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2461.250	69.87	32.22	102.09	74.00	28.09	peak	NO LIMIT
2	*	2461.250	67.88	32.22	100.10	54.00	46.10	AVG	NO LIMIT
3		2487.000	26.15	32.32	58.47	74.00	-15.53	peak	
4		2487.000	15.48	32.32	47.80	54.00	-6.20	AVG	

Test Mode: TX B MODE 2462MHz

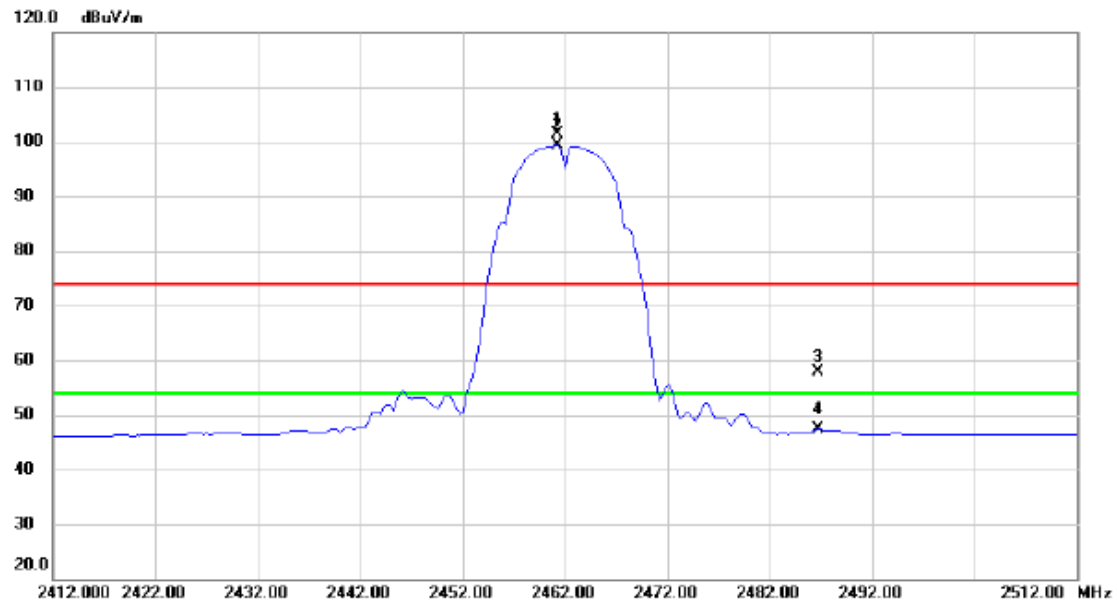
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	49.51	5.90	55.41	74.00	-18.59	peak	
2	*	4924.000	47.22	5.90	53.12	54.00	-0.88	AVG	
3		7379.900	41.90	14.22	56.12	74.00	-17.88	peak	
4		7379.900	30.41	14.22	44.63	54.00	-9.37	AVG	

Test Mode: TX B MODE 2462MHz

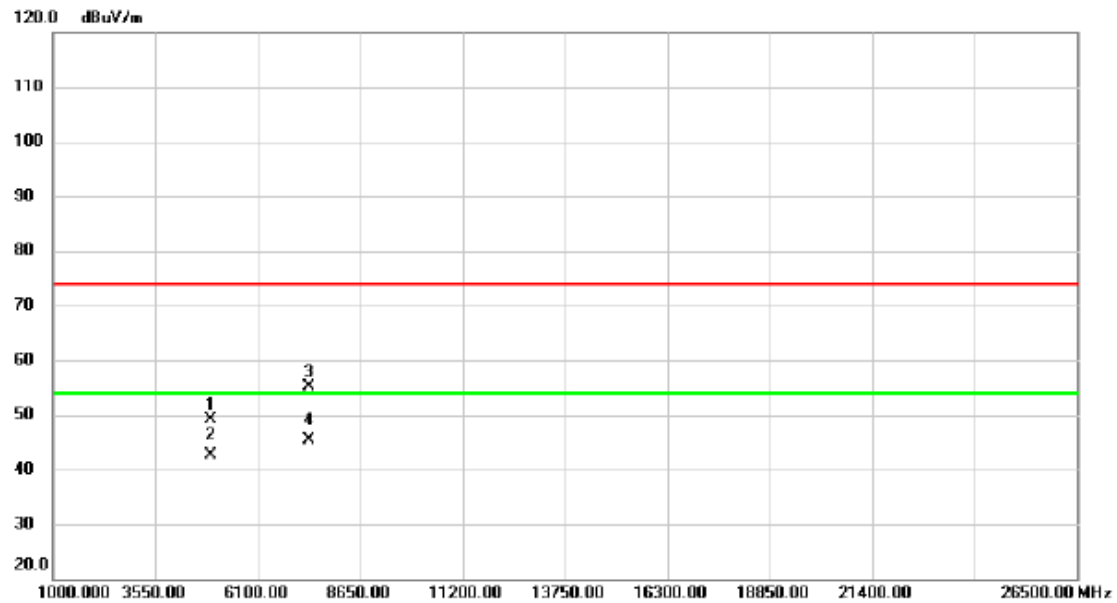
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2461.250	69.09	32.22	101.31	74.00	27.31	peak	NO LIMIT
2	*	2461.250	67.11	32.22	99.33	54.00	45.33	AVG	NO LIMIT
3		2486.750	25.45	32.31	57.76	74.00	-16.24	peak	
4		2486.750	14.95	32.31	47.26	54.00	-6.74	AVG	

Test Mode: TX B MODE 2462MHz

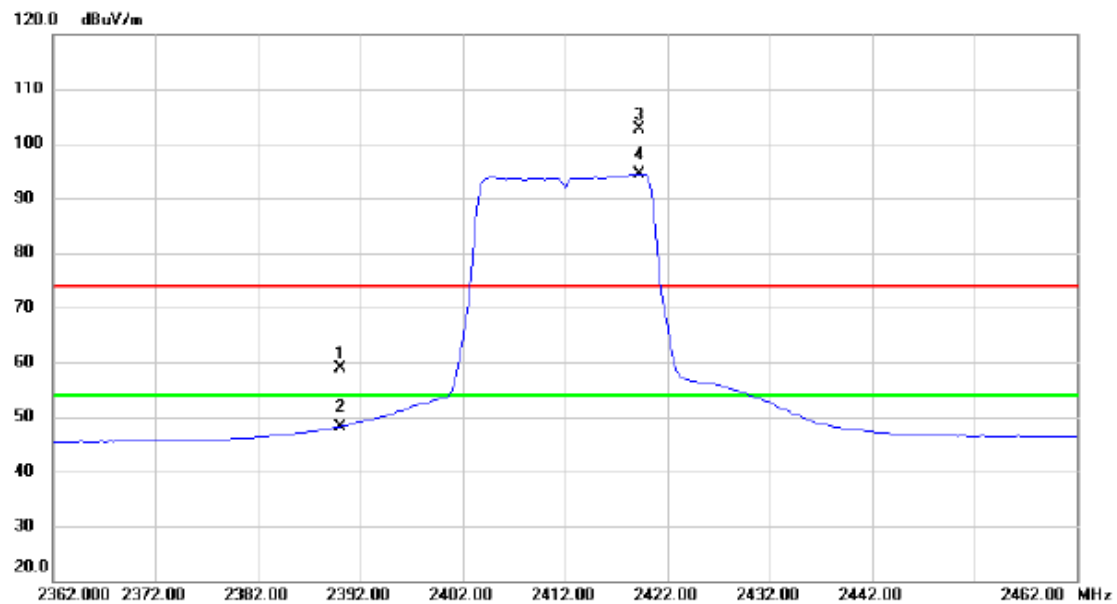
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.950	43.11	5.90	49.01	74.00	-24.99	peak	
2		4923.950	36.63	5.90	42.53	54.00	-11.47	AVG	
3		7391.450	40.88	14.25	55.13	74.00	-18.87	peak	
4	*	7391.450	31.13	14.25	45.38	54.00	-8.62	AVG	

Test Mode: TX G MODE 2412MHz

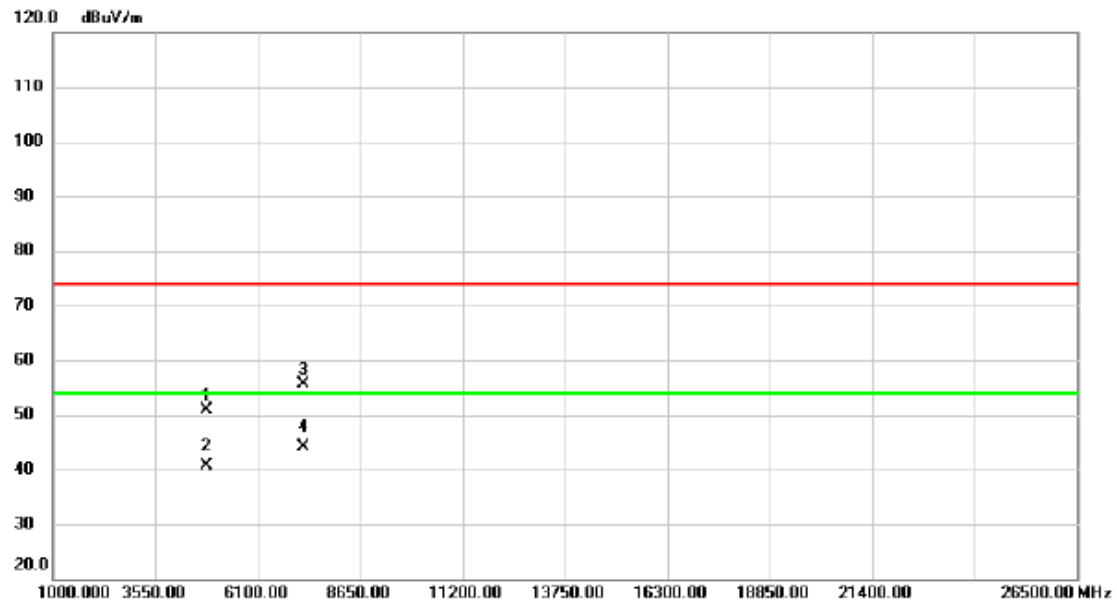
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	27.00	31.96	58.96	74.00	-15.04	peak	
2		2390.000	16.28	31.96	48.24	54.00	-5.76	AVG	
3	X	2419.250	70.45	32.07	102.52	74.00	28.52	peak	NO LIMIT
4	*	2419.250	62.37	32.07	94.44	54.00	40.44	AVG	NO LIMIT

Test Mode: TX G MODE 2412MHz

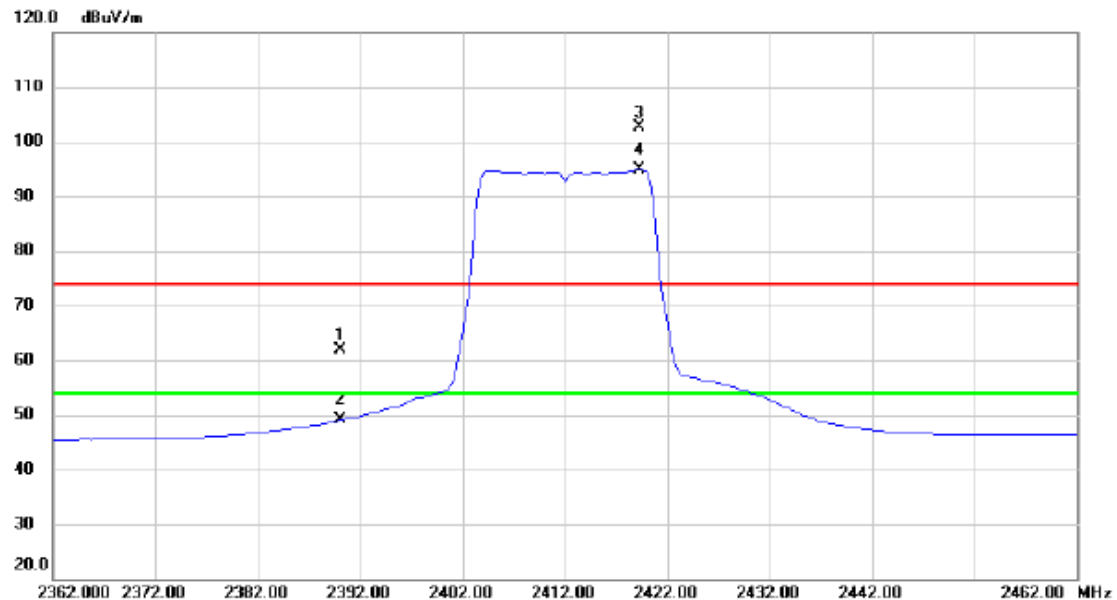
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4820.425	45.15	5.80	50.95	74.00	-23.05	peak	
2		4820.425	34.87	5.80	40.67	54.00	-13.33	AVG	
3		7225.875	41.69	13.86	55.55	74.00	-18.45	peak	
4	*	7225.875	30.34	13.86	44.20	54.00	-9.80	AVG	

Test Mode: TX G MODE 2412MHz

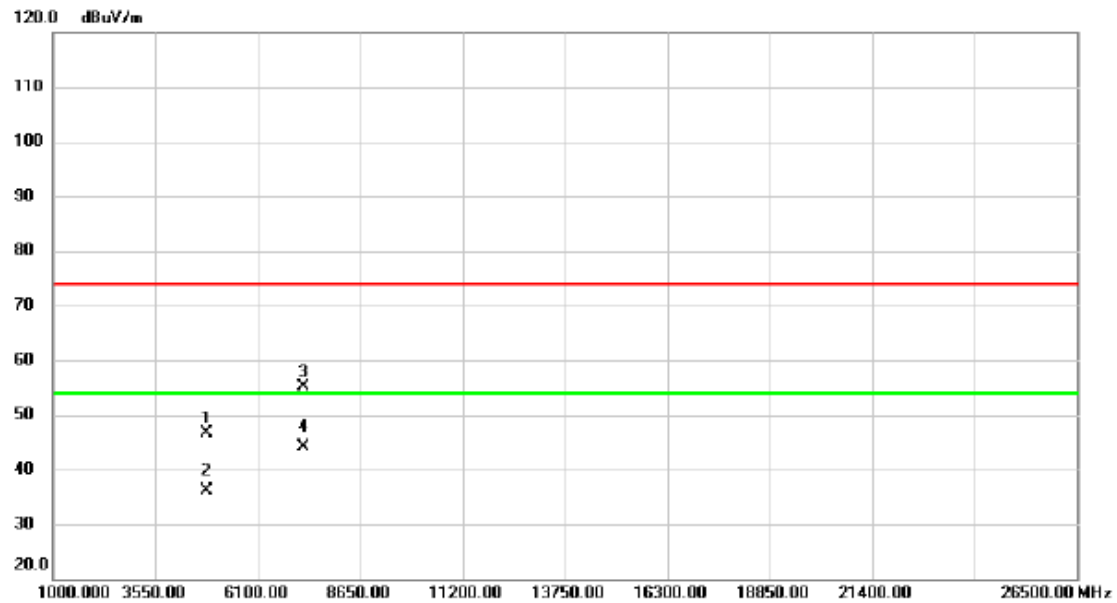
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	30.02	31.96	61.98	74.00	-12.02	peak	
2		2390.000	17.05	31.96	49.01	54.00	-4.99	AVG	
3	X	2419.250	70.59	32.07	102.66	74.00	28.66	peak	NO LIMIT
4	*	2419.250	62.70	32.07	94.77	54.00	40.77	AVG	NO LIMIT

Test Mode: TX G MODE 2412MHz

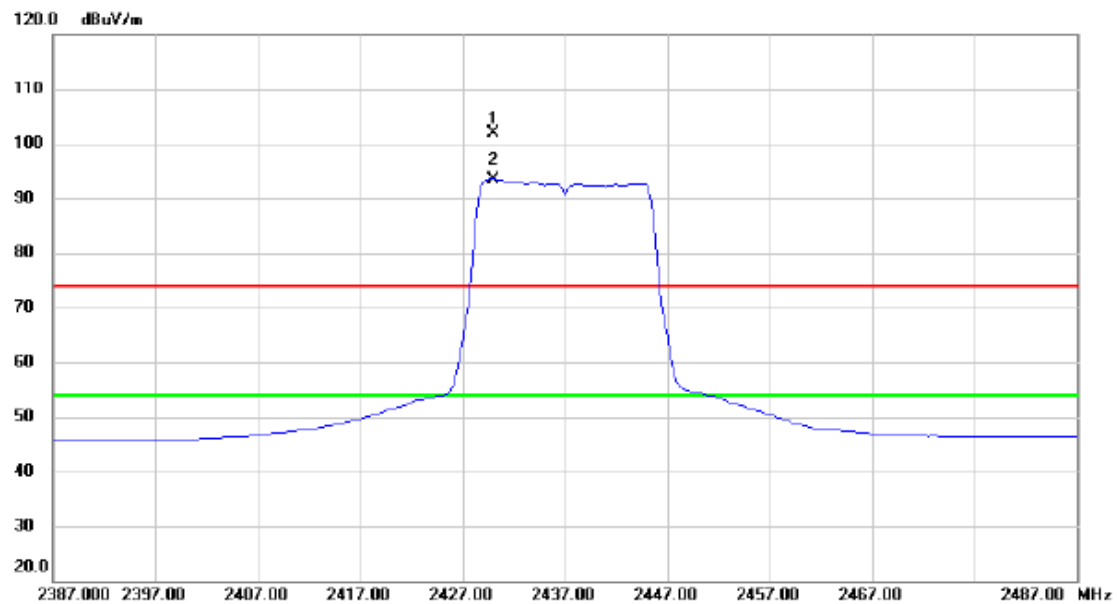
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4827.475	40.91	5.79	46.70	74.00	-27.30	peak	
2		4827.475	30.40	5.79	36.19	54.00	-17.81	AVG	
3		7237.925	41.27	13.88	55.15	74.00	-18.85	peak	
4	*	7237.925	30.28	13.88	44.16	54.00	-9.84	AVG	

Test Mode: TX G MODE 2437MHz

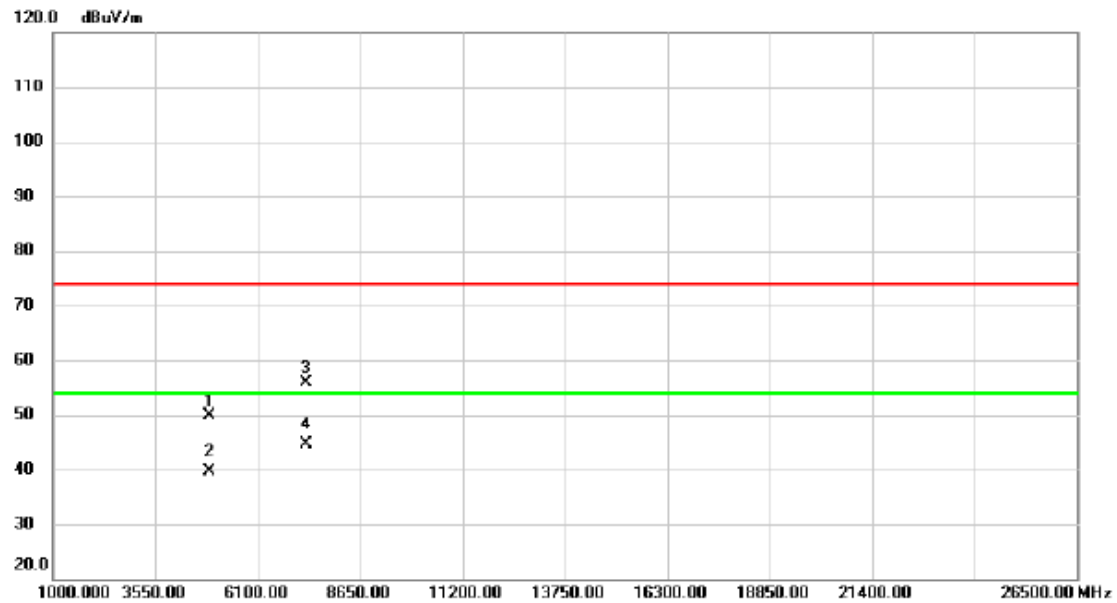
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2430.000	69.87	32.10	101.97	74.00	27.97	peak	NO LIMIT
2	*	2430.000	61.40	32.10	93.50	54.00	39.50	AVG	NO LIMIT

Test Mode: TX G MODE 2437MHz

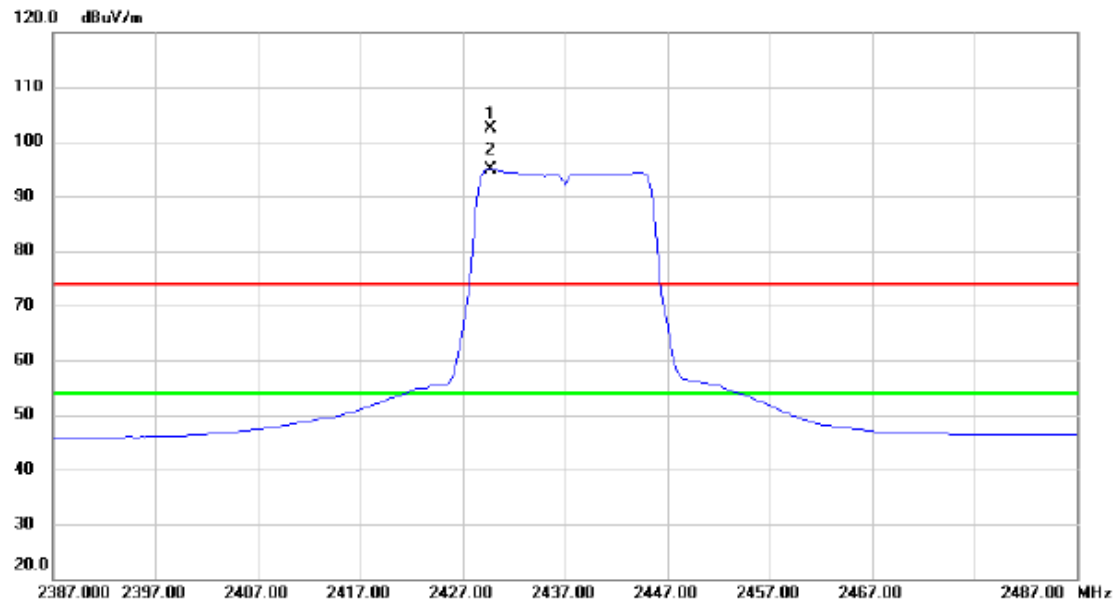
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4876.625	44.13	5.85	49.98	74.00	-24.02	peak	
2		4876.625	33.70	5.85	39.55	54.00	-14.45	AVG	
3		7295.250	41.93	14.03	55.96	74.00	-18.04	peak	
4	*	7295.250	30.65	14.03	44.68	54.00	-9.32	AVG	

Test Mode: TX G MODE 2437MHz

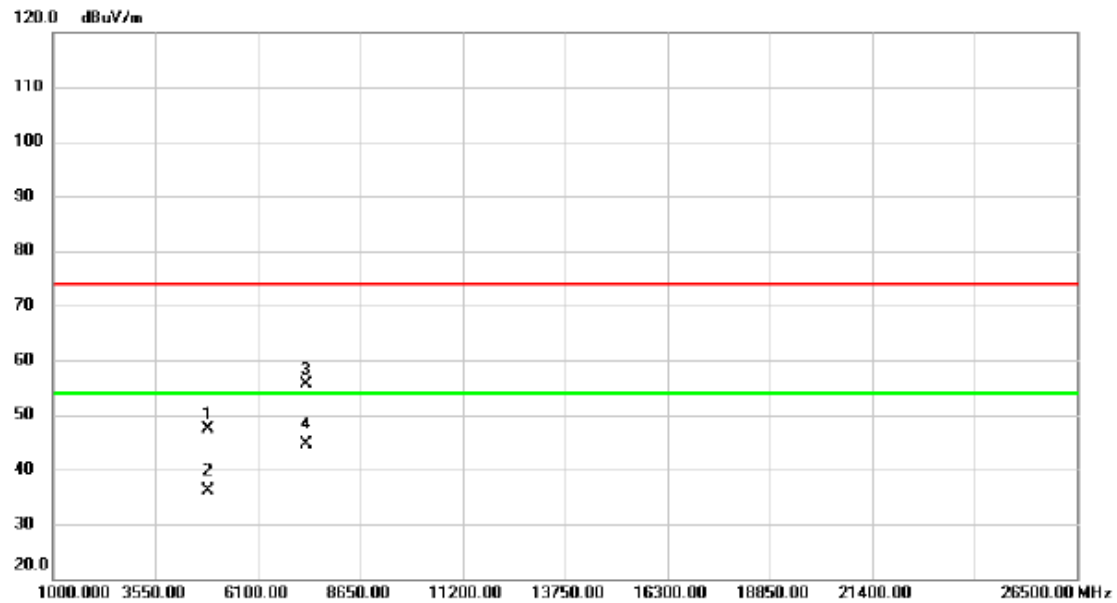
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2429.750	70.29	32.10	102.39	74.00	28.39	peak	NO LIMIT
2	*	2429.750	62.73	32.10	94.83	54.00	40.83	AVG	NO LIMIT

Test Mode: TX G MODE 2437MHz

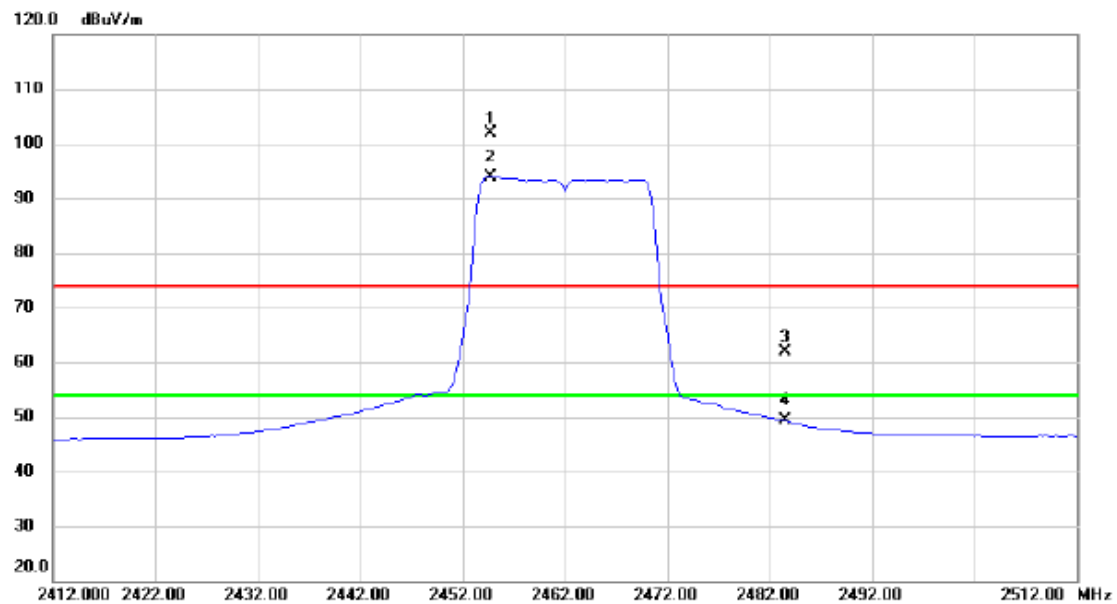
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4856.625	41.65	5.83	47.48	74.00	-26.52	peak	
2		4856.625	30.21	5.83	36.04	54.00	-17.96	AVG	
3		7302.375	41.59	14.05	55.64	74.00	-18.36	peak	
4	*	7302.375	30.61	14.05	44.66	54.00	-9.34	AVG	

Test Mode: TX G MODE 2462MHz

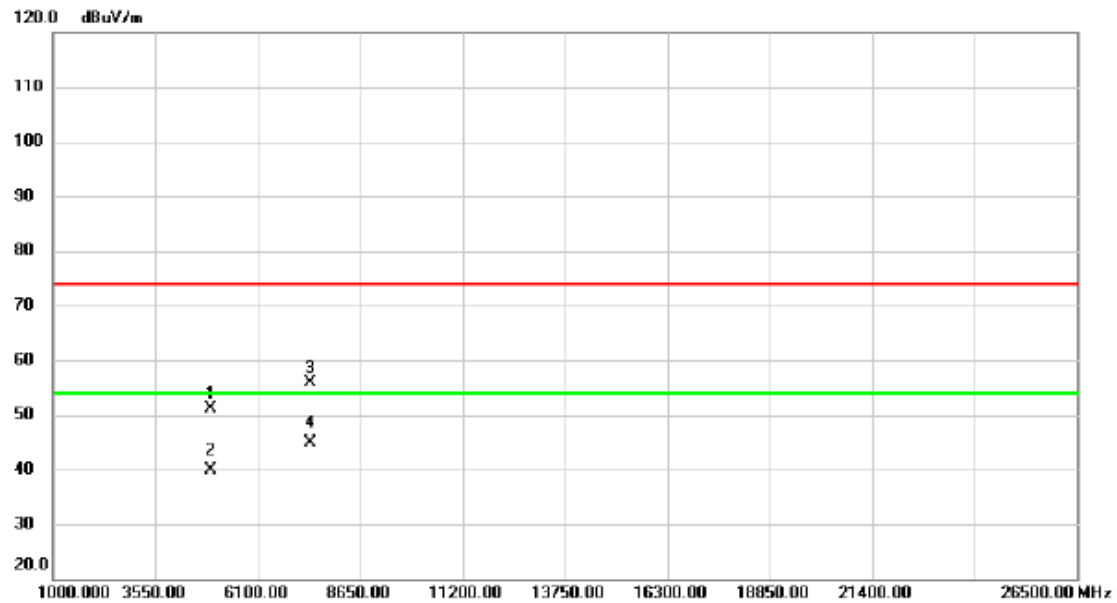
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2454.750	69.69	32.20	101.89	74.00	27.89	peak	NO LIMIT
2	*	2454.750	61.68	32.20	93.88	54.00	39.88	AVG	NO LIMIT
3		2483.500	29.56	32.30	61.86	74.00	-12.14	peak	
4		2483.500	17.06	32.30	49.36	54.00	-4.64	AVG	

Test Mode: TX G MODE 2462MHz

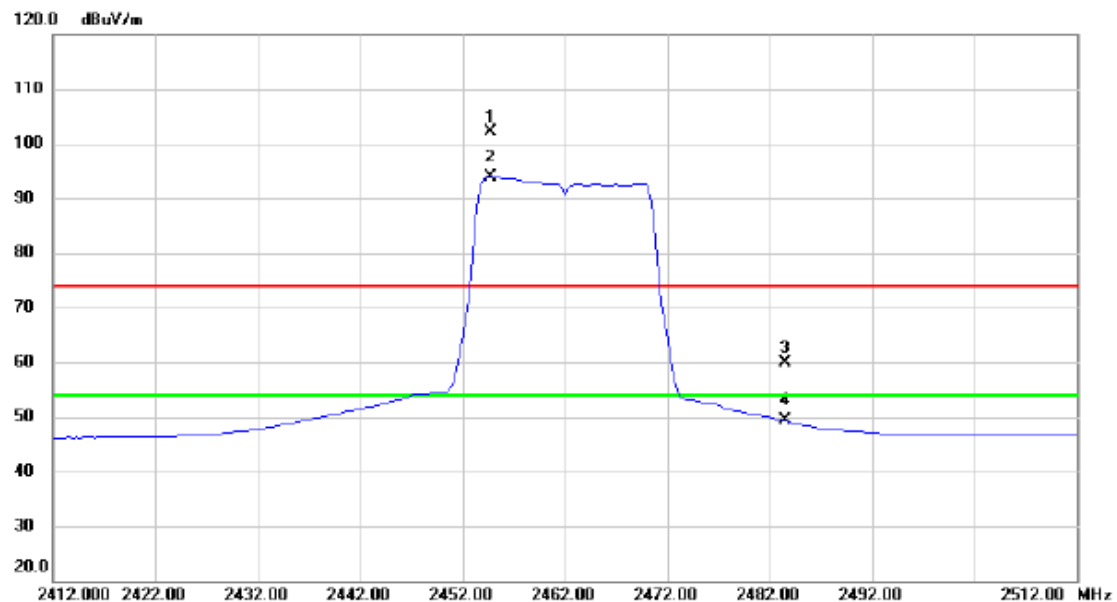
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4927.500	45.21	5.91	51.12	74.00	-22.88	peak	
2		4927.500	33.90	5.91	39.81	54.00	-14.19	AVG	
3		7408.875	41.71	14.29	56.00	74.00	-18.00	peak	
4	*	7408.875	30.63	14.29	44.92	54.00	-9.08	AVG	

Test Mode: TX G MODE 2462MHz

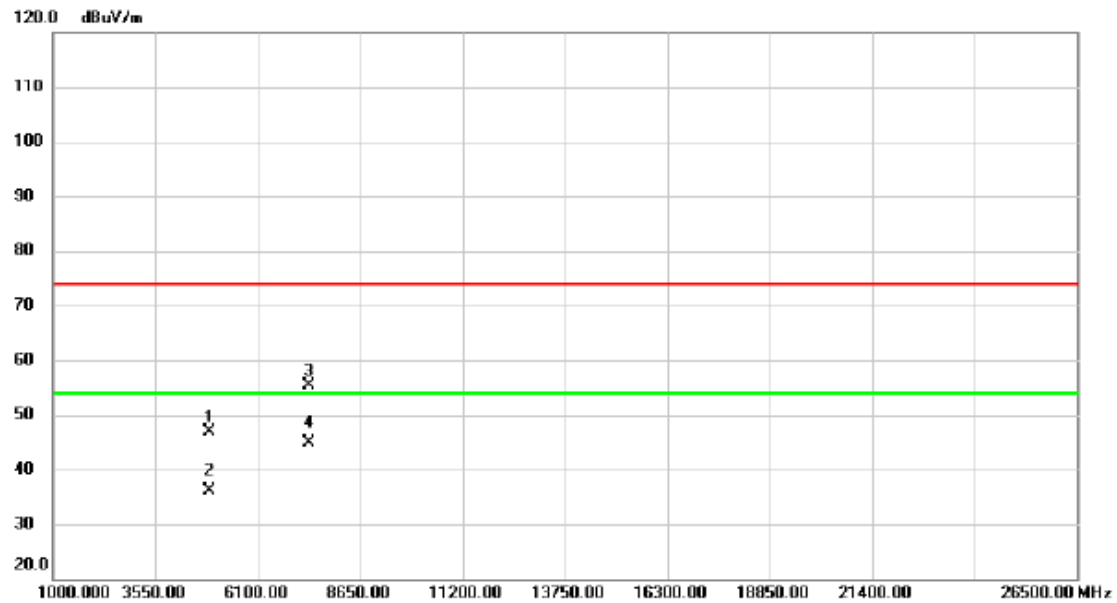
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2454.750	70.00	32.20	102.20	74.00	28.20	peak	NO LIMIT
2	*	2454.750	61.71	32.20	93.91	54.00	39.91	AVG	NO LIMIT
3		2483.500	27.51	32.30	59.81	74.00	-14.19	peak	
4		2483.500	17.01	32.30	49.31	54.00	-4.69	AVG	

Test Mode: TX G MODE 2462MHz

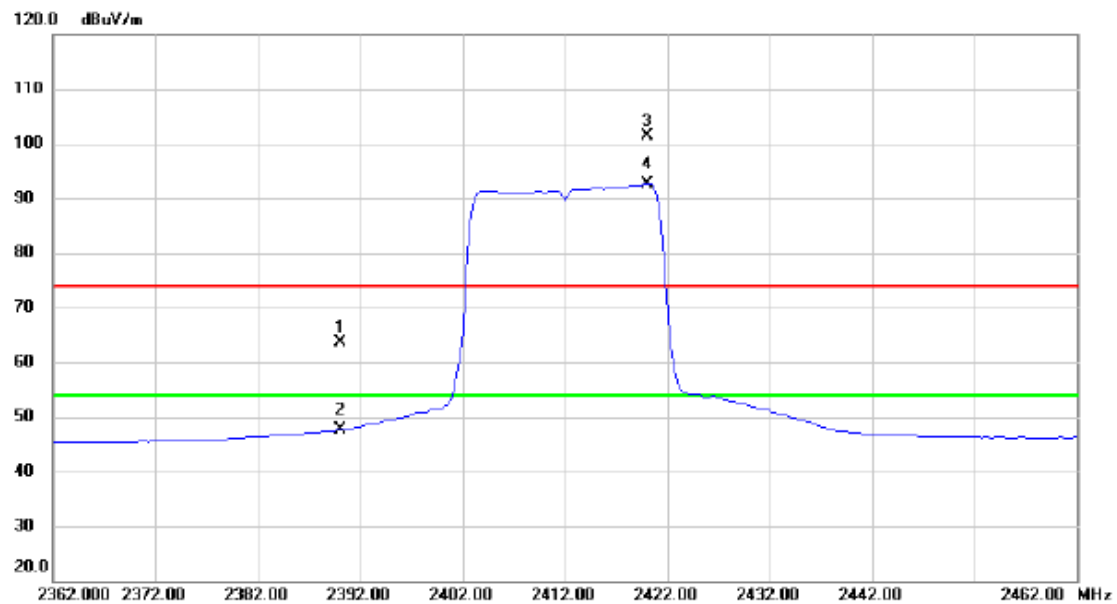
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4905.000	41.02	5.88	46.90	74.00	-27.10	peak	
2		4905.000	30.26	5.88	36.14	54.00	-17.86	AVG	
3		7385.875	41.13	14.23	55.36	74.00	-18.64	peak	
4	*	7385.875	30.55	14.23	44.78	54.00	-9.22	AVG	

Test Mode: TX N-20M MODE 2412MHz

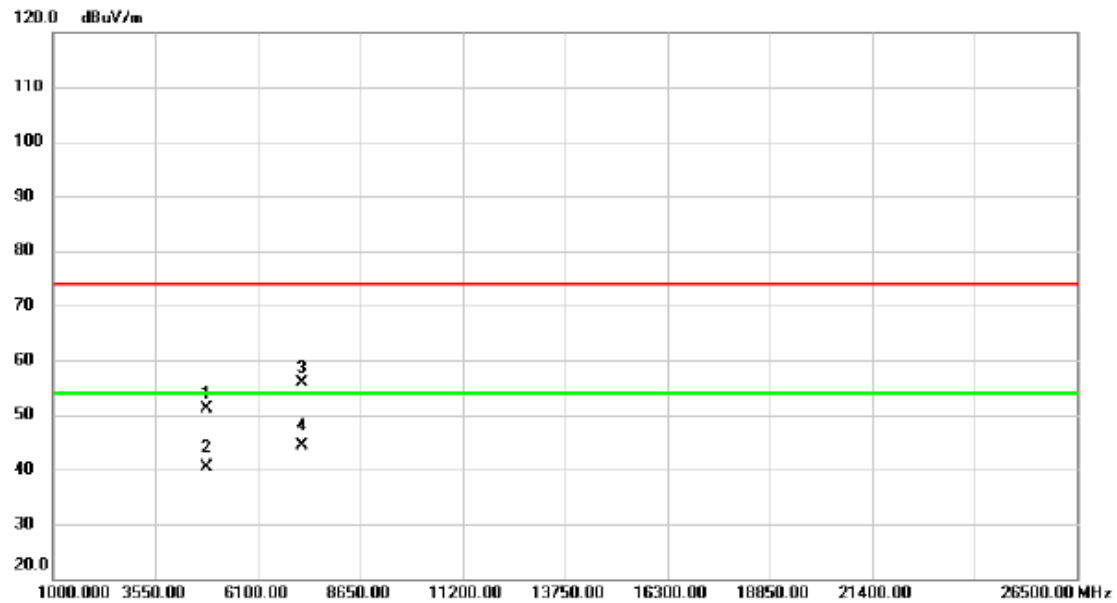
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	31.79	31.96	63.75	74.00	-10.25	peak	
2		2390.000	15.67	31.96	47.63	54.00	-6.37	AVG	
3	X	2420.000	69.25	32.07	101.32	74.00	27.32	peak	NO LIMIT
4	*	2420.000	60.57	32.07	92.64	54.00	38.64	AVG	NO LIMIT

Test Mode:	TX N-20M MODE 2412MHz
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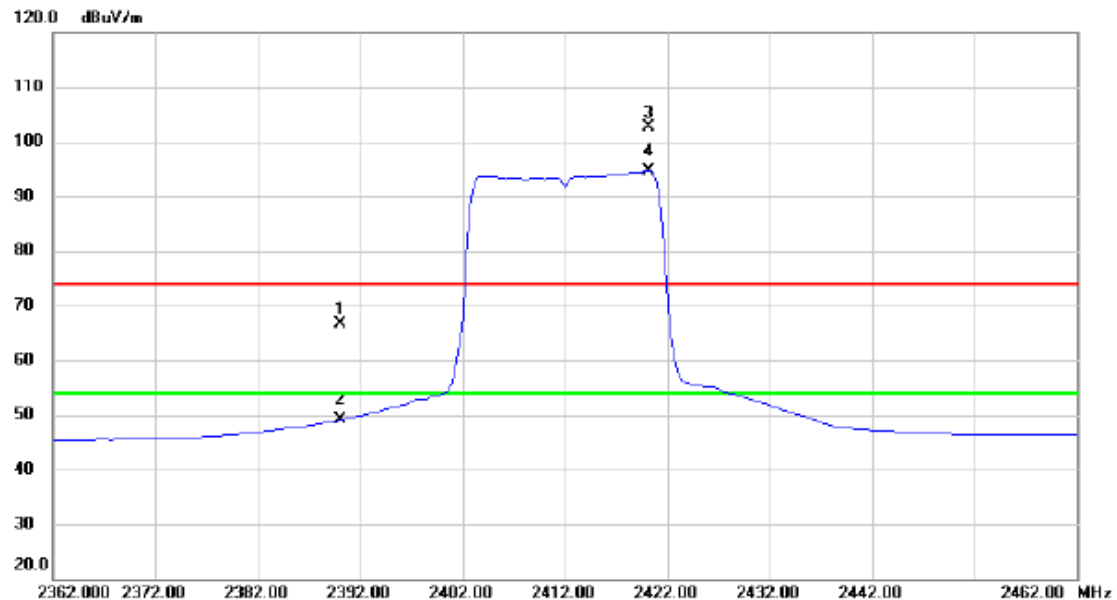
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4821.875	45.38	5.79	51.17	74.00	-22.83	peak	
2		4821.875	34.51	5.79	40.30	54.00	-13.70	AVG	
3		7218.250	42.13	13.84	55.97	74.00	-18.03	peak	
4	*	7218.250	30.54	13.84	44.38	54.00	-9.62	AVG	

Test Mode: TX N-20M MODE 2412MHz

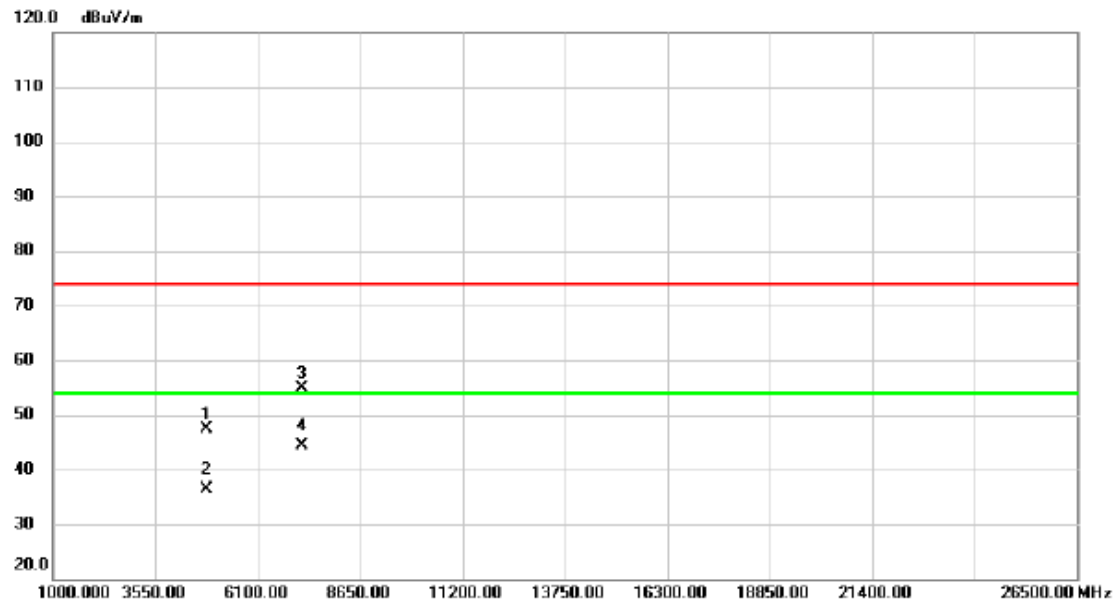
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	34.72	31.96	66.68	74.00	-7.32	peak	
2		2390.000	17.13	31.96	49.09	54.00	-4.91	AVG	
3	X	2420.250	70.58	32.07	102.65	74.00	28.65	peak	NO LIMIT
4	*	2420.250	62.55	32.07	94.62	54.00	40.62	AVG	NO LIMIT

Test Mode:	TX N-20M MODE 2412MHz
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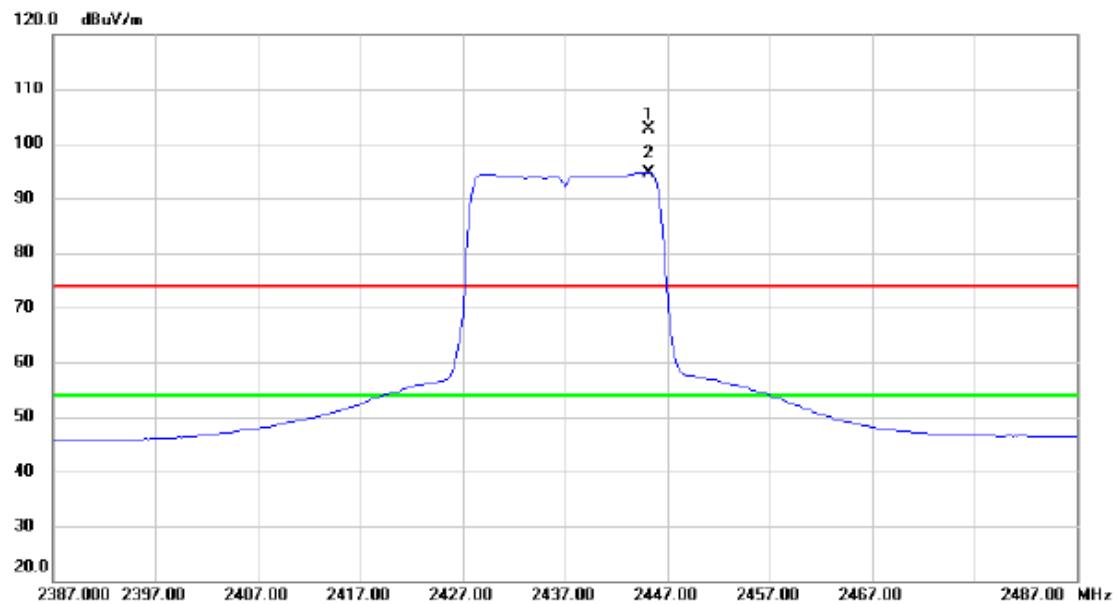
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4814.250	41.59	5.79	47.38	74.00	-26.62	peak	
2		4814.250	30.59	5.79	36.38	54.00	-17.62	AVG	
3		7218.875	41.15	13.84	54.99	74.00	-19.01	peak	
4	*	7218.875	30.59	13.84	44.43	54.00	-9.57	AVG	

Test Mode: TX N-20M MODE 2437MHz

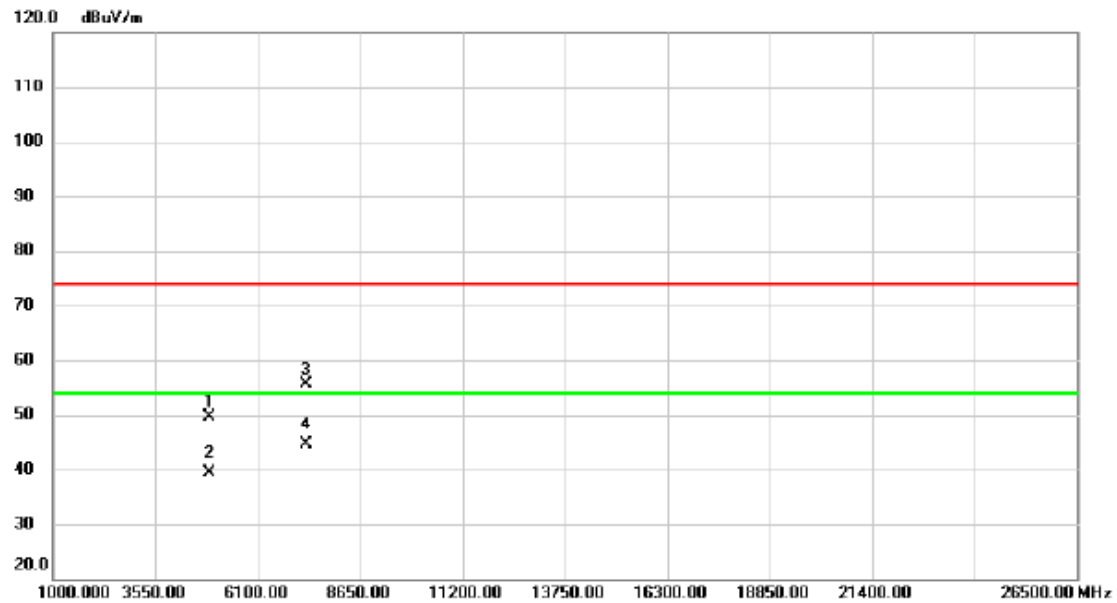
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2445.250	70.36	32.16	102.52	74.00	28.52	peak	NO LIMIT
2	*	2445.250	62.57	32.16	94.73	54.00	40.73	AVG	NO LIMIT

Test Mode:	TX N-20M MODE 2437MHz
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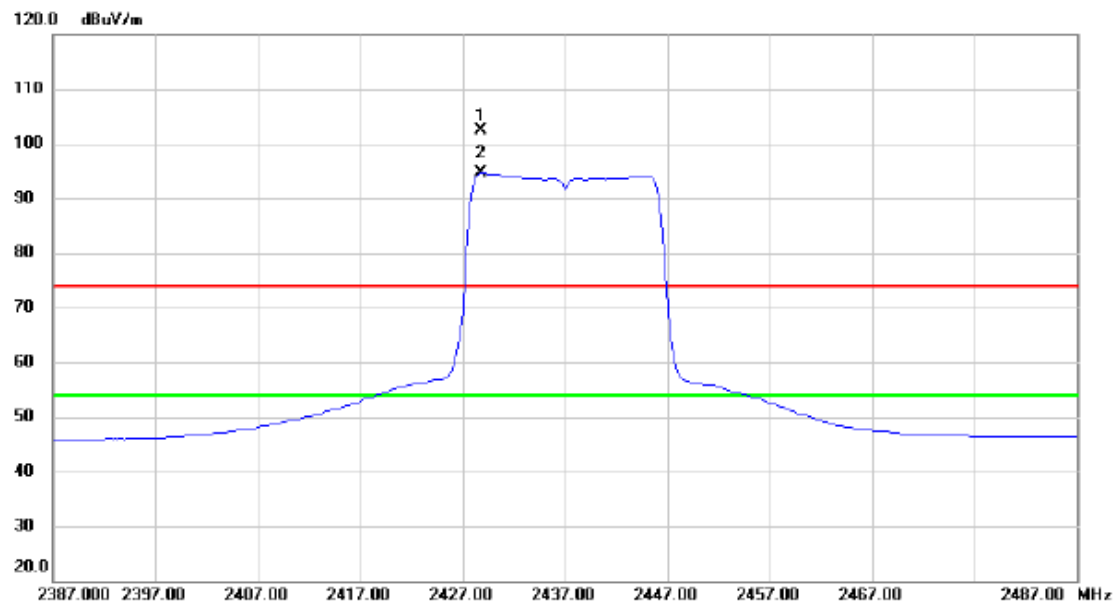
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4882.125	43.72	5.86	49.58	74.00	-24.42	peak	
2		4882.125	33.49	5.86	39.35	54.00	-14.65	AVG	
3		7306.250	41.60	14.05	55.65	74.00	-18.35	peak	
4	*	7306.250	30.65	14.05	44.70	54.00	-9.30	AVG	

Test Mode: TX N-20M MODE 2437MHz

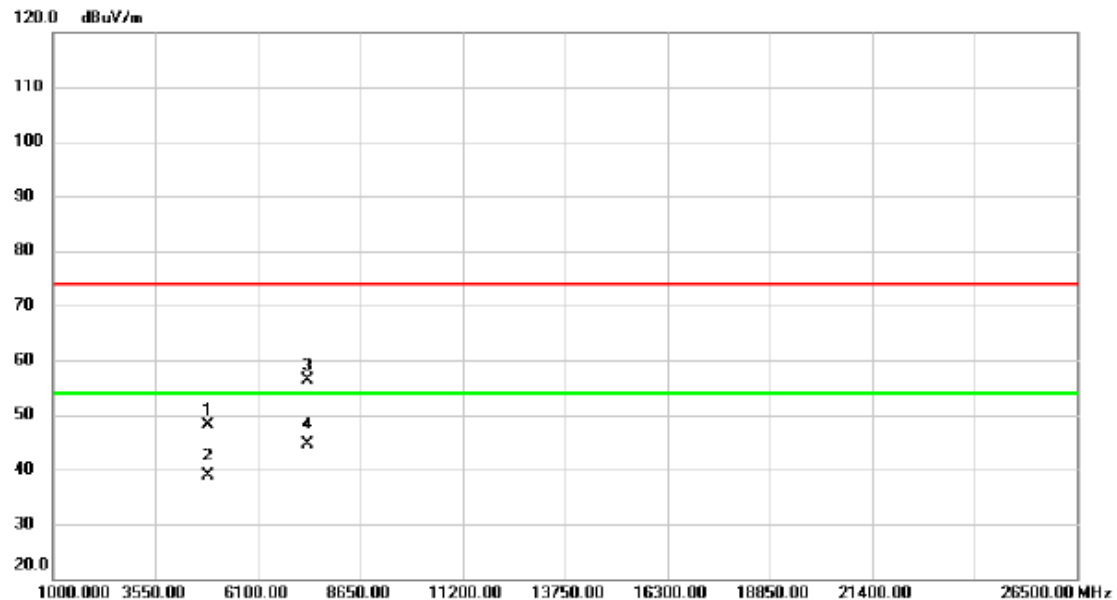
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2428.750	70.22	32.10	102.32	74.00	28.32	peak	NO LIMIT
2	*	2428.750	62.50	32.10	94.60	54.00	40.60	AVG	NO LIMIT

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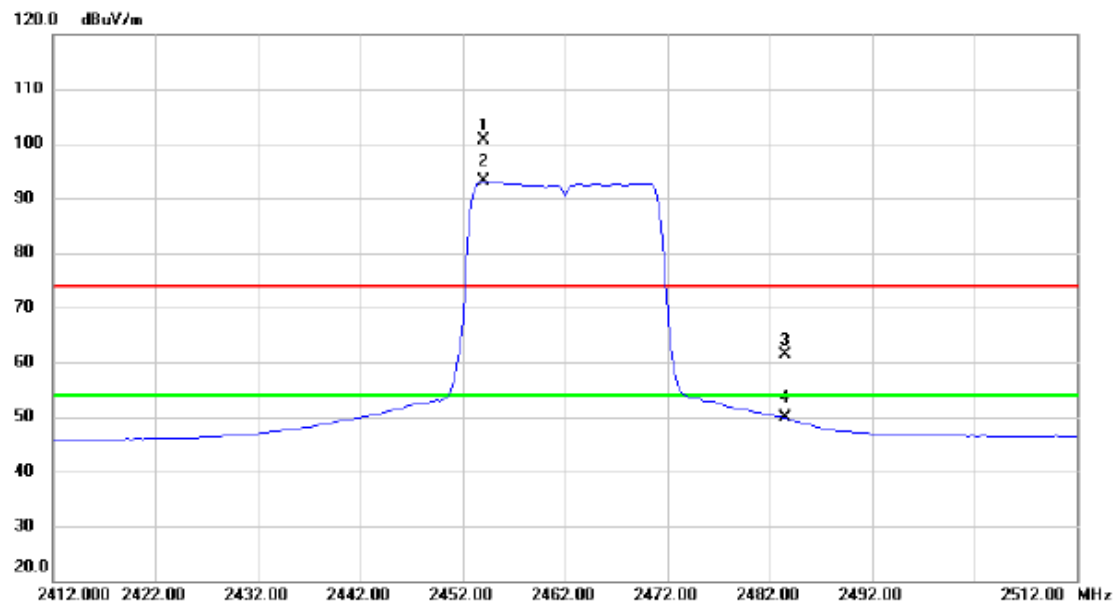
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4851.875	42.37	5.82	48.19	74.00	-25.81	peak	
2		4851.875	33.09	5.82	38.91	54.00	-15.09	AVG	
3		7326.375	42.18	14.10	56.28	74.00	-17.72	peak	
4	*	7326.375	30.63	14.10	44.73	54.00	-9.27	AVG	

Test Mode: TX N-20M MODE 2462MHz

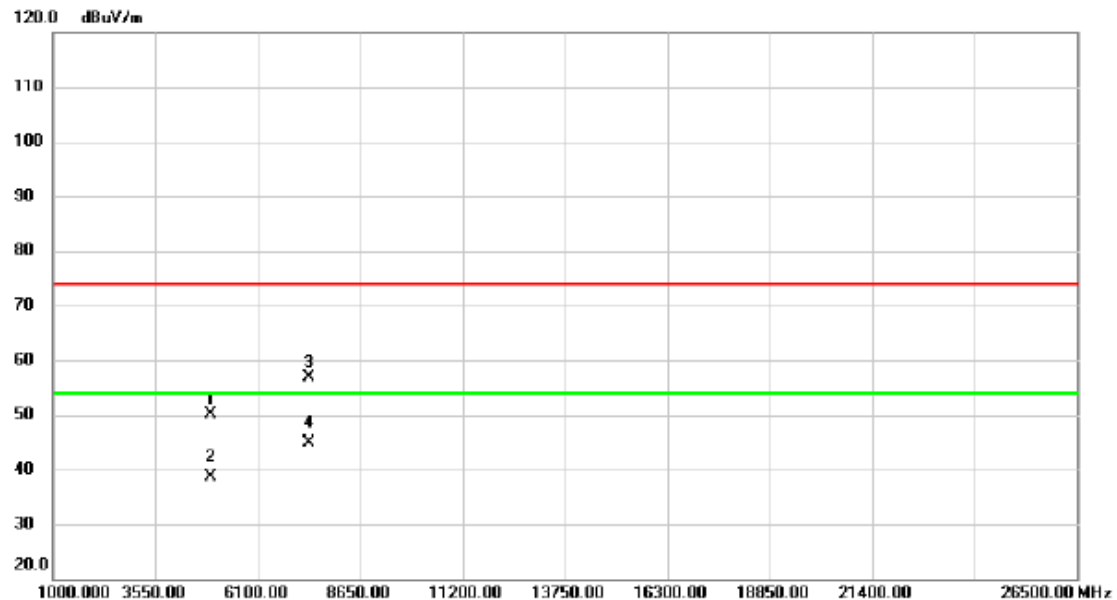
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2454.000	68.55	32.19	100.74	74.00	26.74	peak	NO LIMIT
2	*	2454.000	60.88	32.19	93.07	54.00	39.07	AVG	NO LIMIT
3		2483.500	29.16	32.30	61.46	74.00	-12.54	peak	
4		2483.500	17.48	32.30	49.78	54.00	-4.22	AVG	

Test Mode:	TX N-20M MODE 2462MHz
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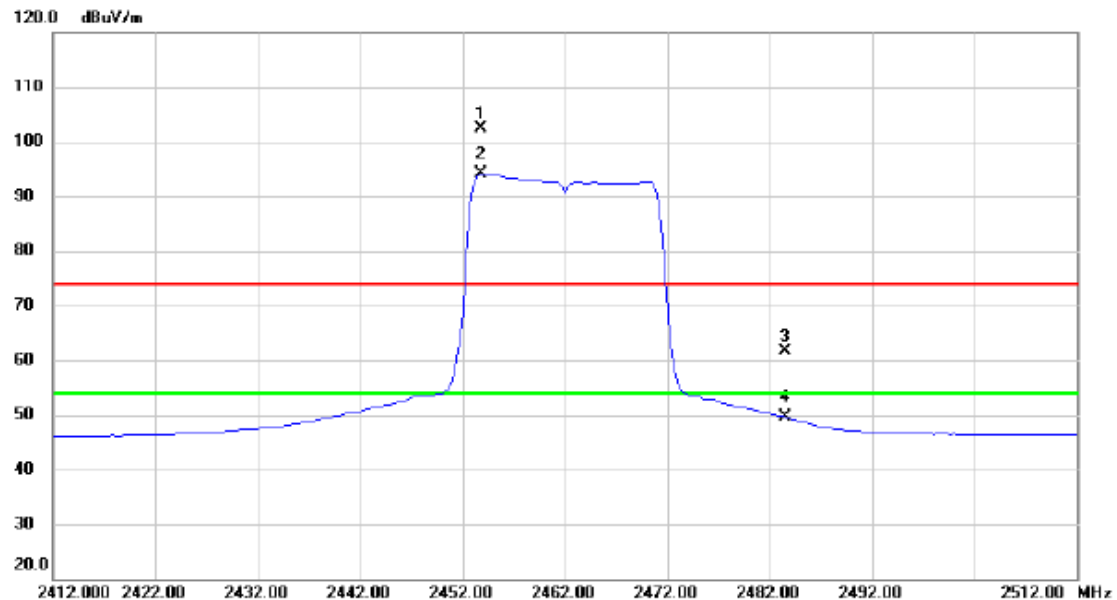
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4922.375	44.26	5.90	50.16	74.00	-23.84	peak	
2		4922.375	32.77	5.90	38.67	54.00	-15.33	AVG	
3		7367.750	42.58	14.20	56.78	74.00	-17.22	peak	
4	*	7367.750	30.72	14.20	44.92	54.00	-9.08	AVG	

Test Mode: TX N-20M MODE 2462MHz

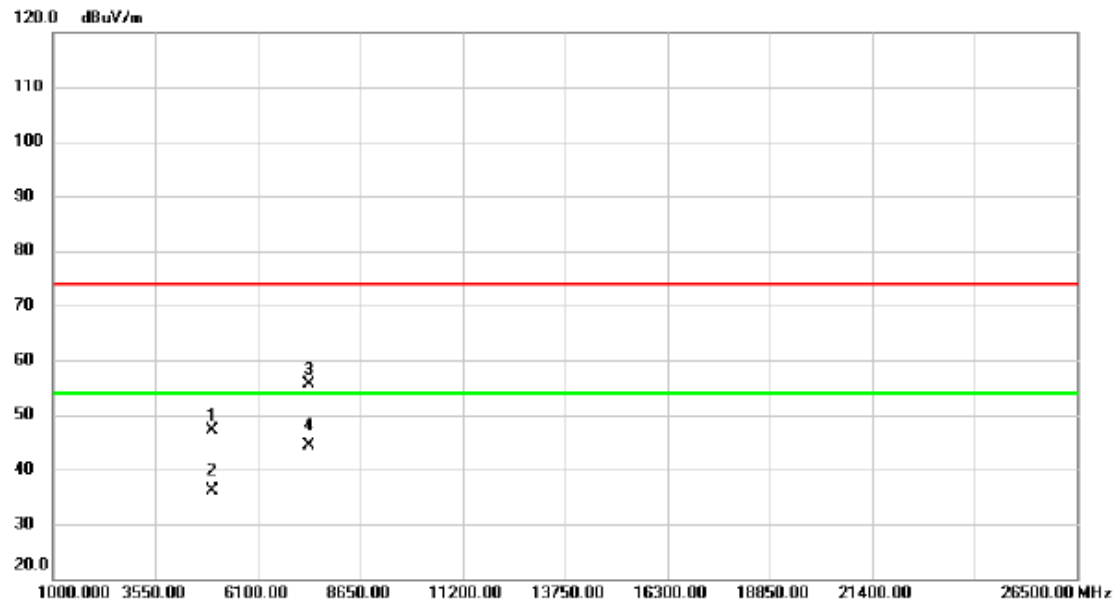
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2453.750	70.20	32.19	102.39	74.00	28.39	peak	NO LIMIT
2	*	2453.750	61.82	32.19	94.01	54.00	40.01	AVG	NO LIMIT
3		2483.500	29.26	32.30	61.56	74.00	-12.44	peak	
4		2483.500	17.37	32.30	49.67	54.00	-4.33	AVG	

Test Mode:	TX N-20M MODE 2462MHz
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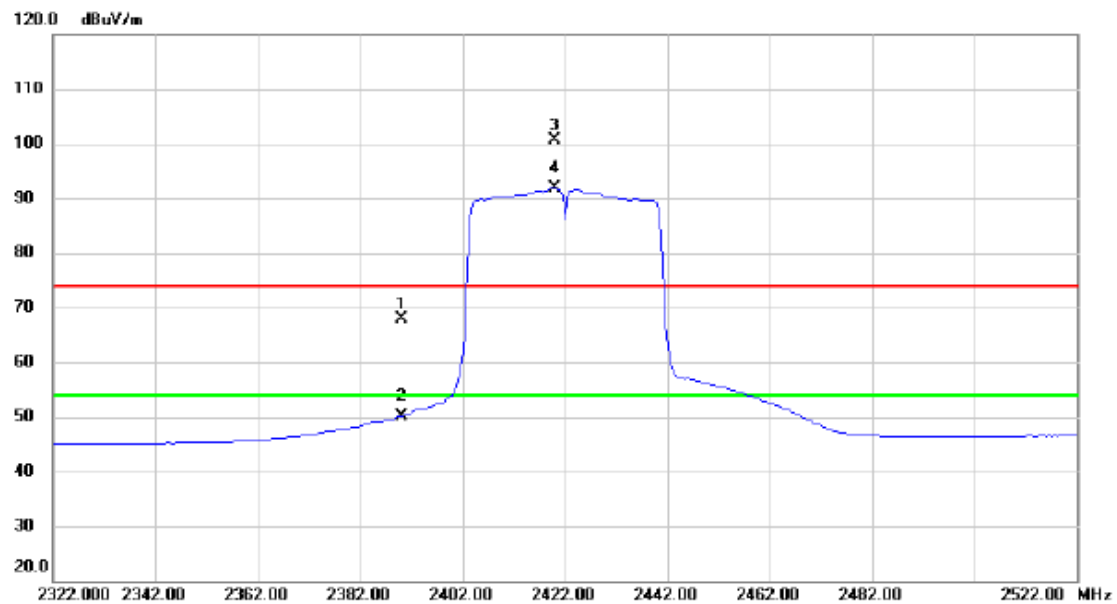
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4948.000	41.16	5.93	47.09	74.00	-26.91	peak	
2		4948.000	30.20	5.93	36.13	54.00	-17.87	AVG	
3		7371.625	41.46	14.21	55.67	74.00	-18.33	peak	
4	*	7371.625	30.24	14.21	44.45	54.00	-9.55	AVG	

Test Mode: TX N-40M MODE 2422MHz

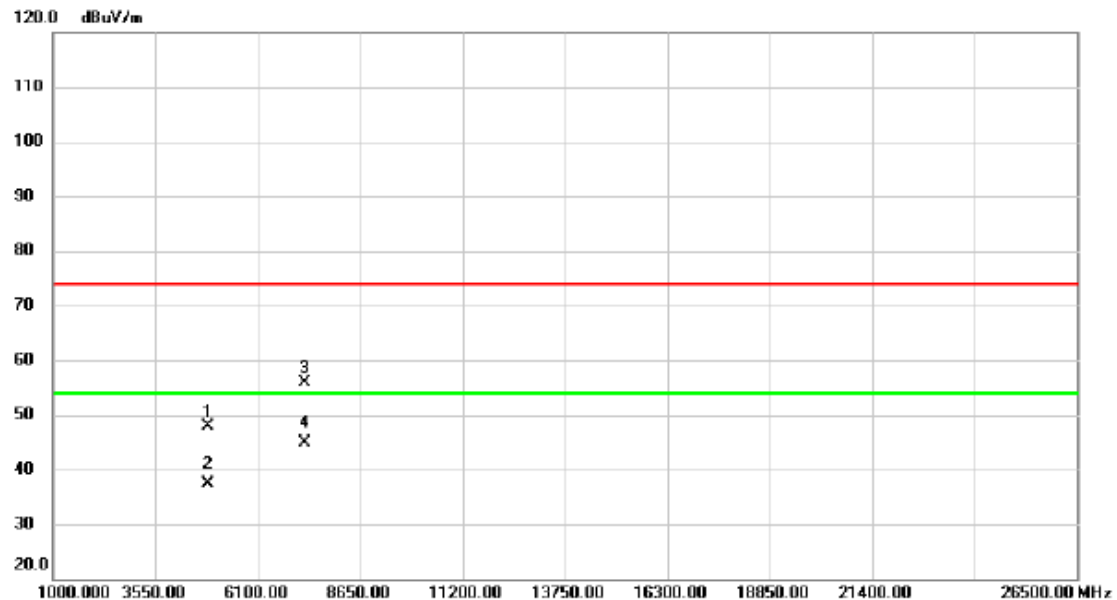
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	35.89	31.96	67.85	74.00	-6.15	peak	
2		2390.000	18.05	31.96	50.01	54.00	-3.99	AVG	
3	X	2420.000	68.55	32.07	100.62	74.00	26.62	peak	NO LIMIT
4	*	2420.000	59.80	32.07	91.87	54.00	37.87	AVG	NO LIMIT

Test Mode:	TX N-40M MODE 2422MHz
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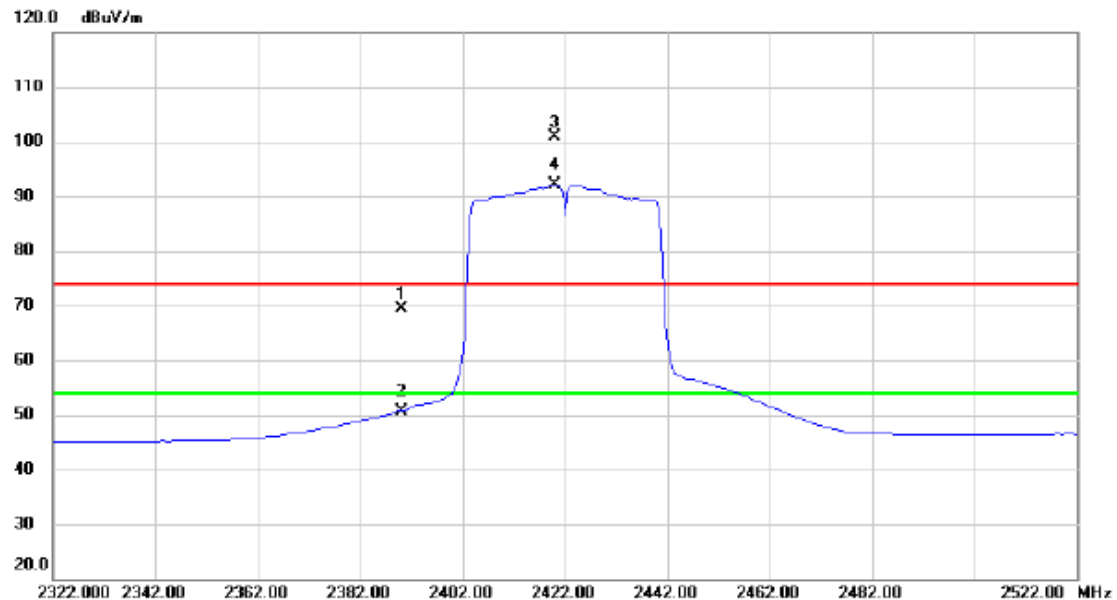
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4843.000	42.03	5.82	47.85	74.00	-26.15	peak	
2		4843.000	31.52	5.82	37.34	54.00	-16.66	AVG	
3		7276.000	41.83	13.98	55.81	74.00	-18.19	peak	
4	*	7276.000	30.79	13.98	44.77	54.00	-9.23	AVG	

Test Mode: TX N-40M MODE 2422MHz

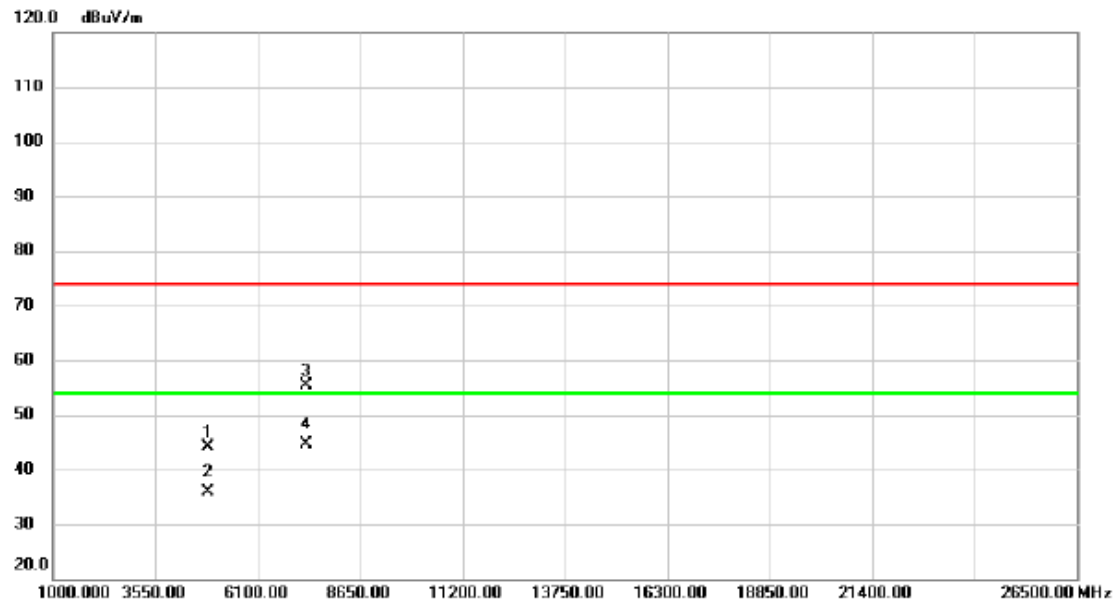
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	37.34	31.96	69.30	74.00	-4.70	peak	
2		2390.000	18.79	31.96	50.75	54.00	-3.25	AVG	
3	X	2420.000	68.93	32.07	101.00	74.00	27.00	peak	NO LIMIT
4	*	2420.000	60.14	32.07	92.21	54.00	38.21	AVG	NO LIMIT

Test Mode:	TX N-40M MODE 2422MHz
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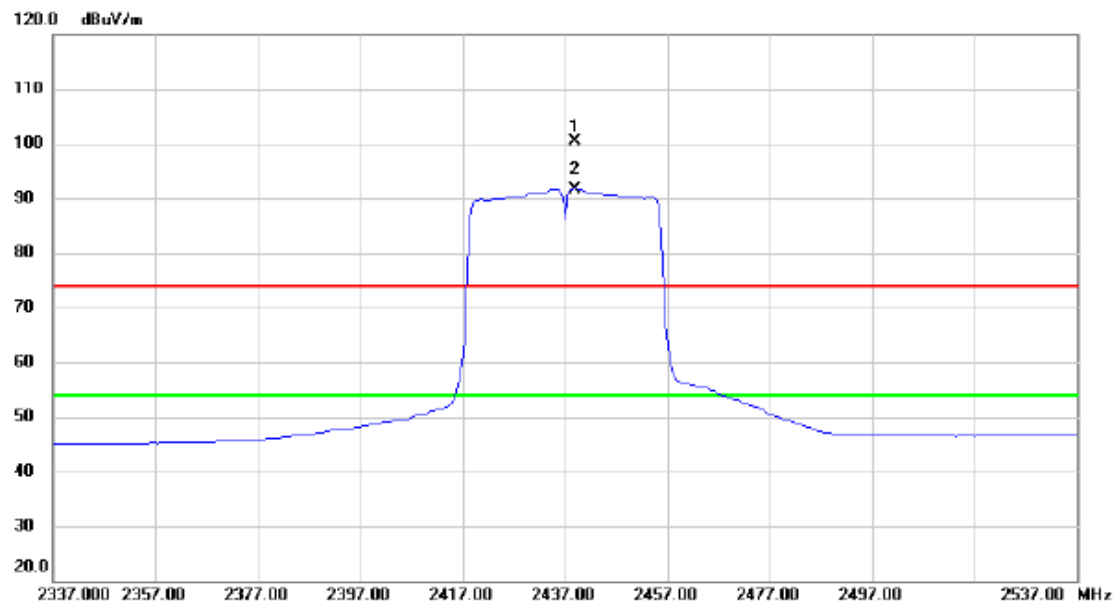
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4844.000	38.27	5.82	44.09	74.00	-29.91	peak	
2		4844.000	30.10	5.82	35.92	54.00	-18.08	AVG	
3		7290.000	41.35	14.01	55.36	74.00	-18.64	peak	
4	*	7290.000	30.59	14.01	44.60	54.00	-9.40	AVG	

Test Mode: TX N-40M MODE 2437MHz

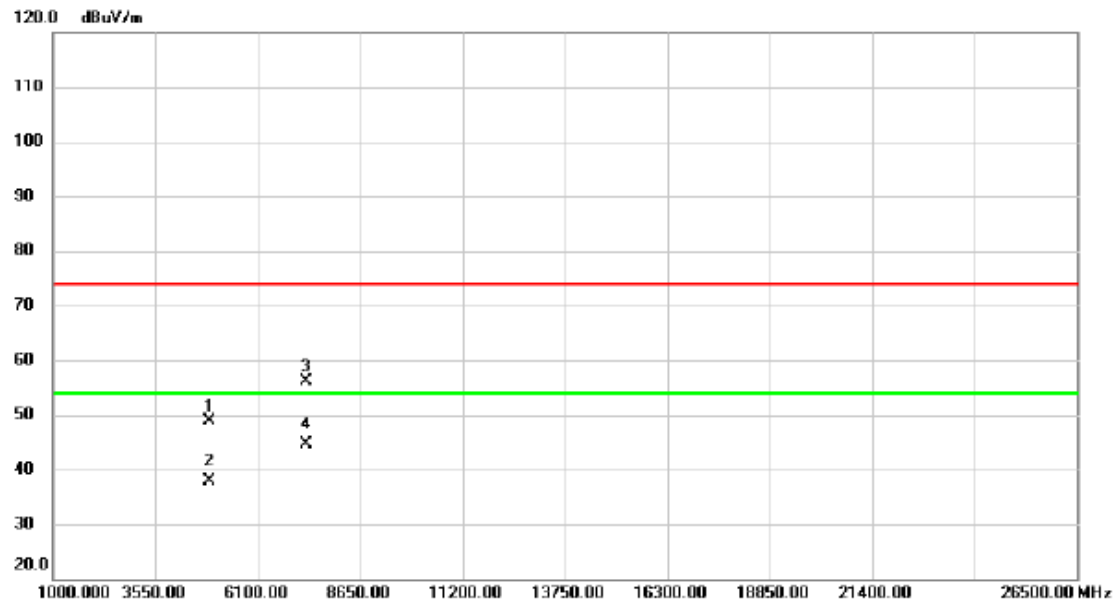
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2439.000	68.17	32.14	100.31	74.00	26.31	peak	NO LIMIT
2	*	2439.000	59.61	32.14	91.75	54.00	37.75	AVG	NO LIMIT

Test Mode:	TX N-40M MODE 2437MHz
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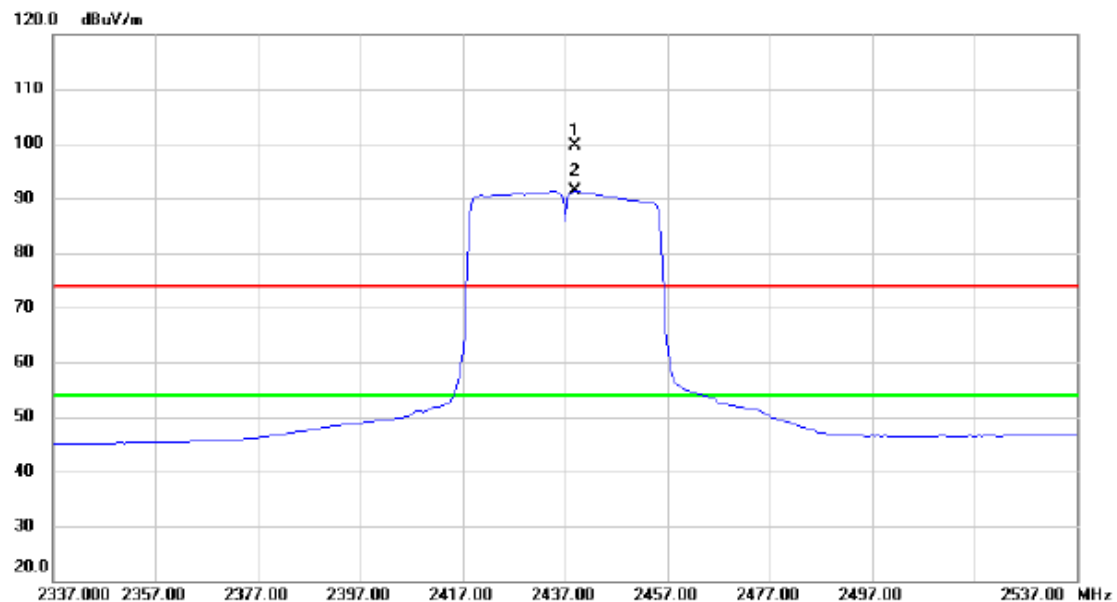
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4881.375	43.01	5.86	48.87	74.00	-25.13	peak	
2		4881.375	32.04	5.86	37.90	54.00	-16.10	AVG	
3		7304.125	41.98	14.04	56.02	74.00	-17.98	peak	
4	*	7304.125	30.65	14.04	44.69	54.00	-9.31	AVG	

Test Mode: TX N-40M MODE 2437MHz

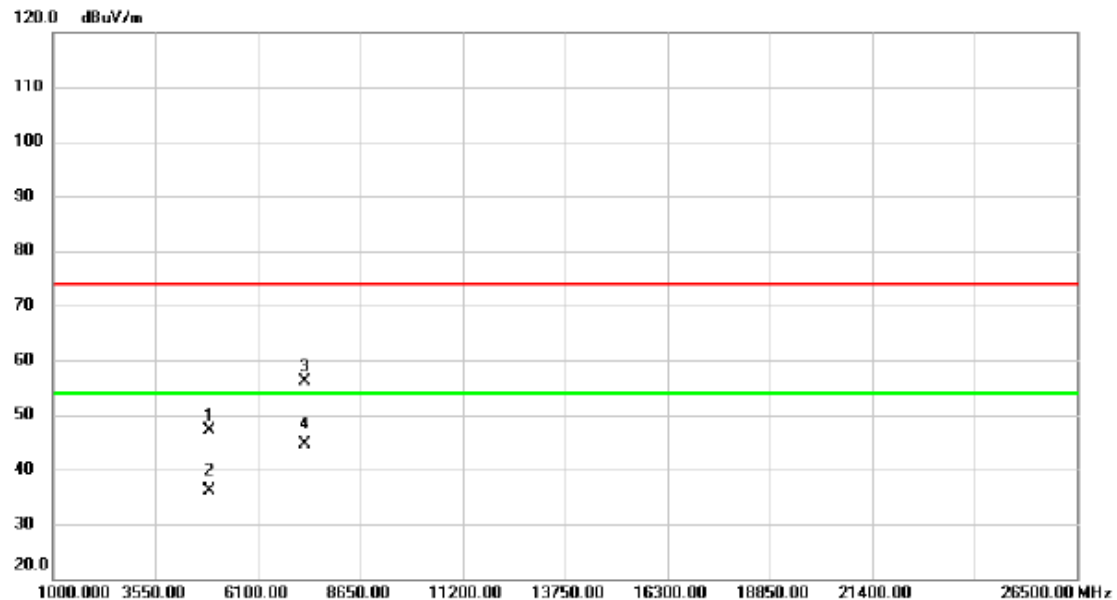
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2439.000	67.40	32.14	99.54	74.00	25.54	peak	NO LIMIT
2	*	2439.000	59.32	32.14	91.46	54.00	37.46	AVG	NO LIMIT

Test Mode:	TX N-40M MODE 2437MHz
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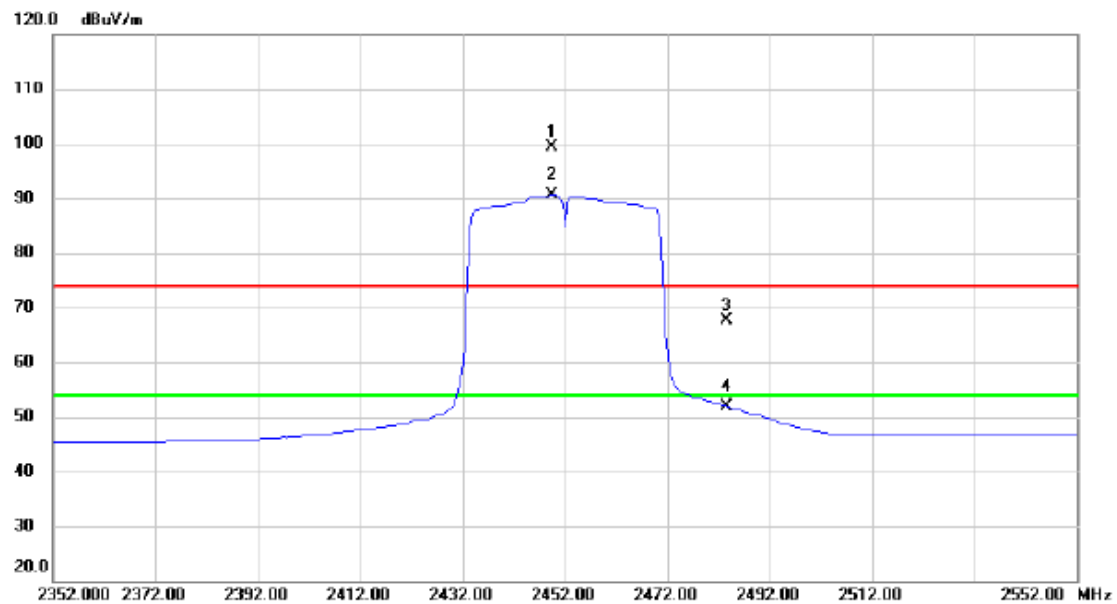
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4880.000	41.29	5.85	47.14	74.00	-26.86	peak	
2		4880.000	30.34	5.85	36.19	54.00	-17.81	AVG	
3		7288.500	42.04	14.01	56.05	74.00	-17.95	peak	
4	*	7288.500	30.73	14.01	44.74	54.00	-9.26	AVG	

Test Mode: TX N-40M MODE 2452MHz

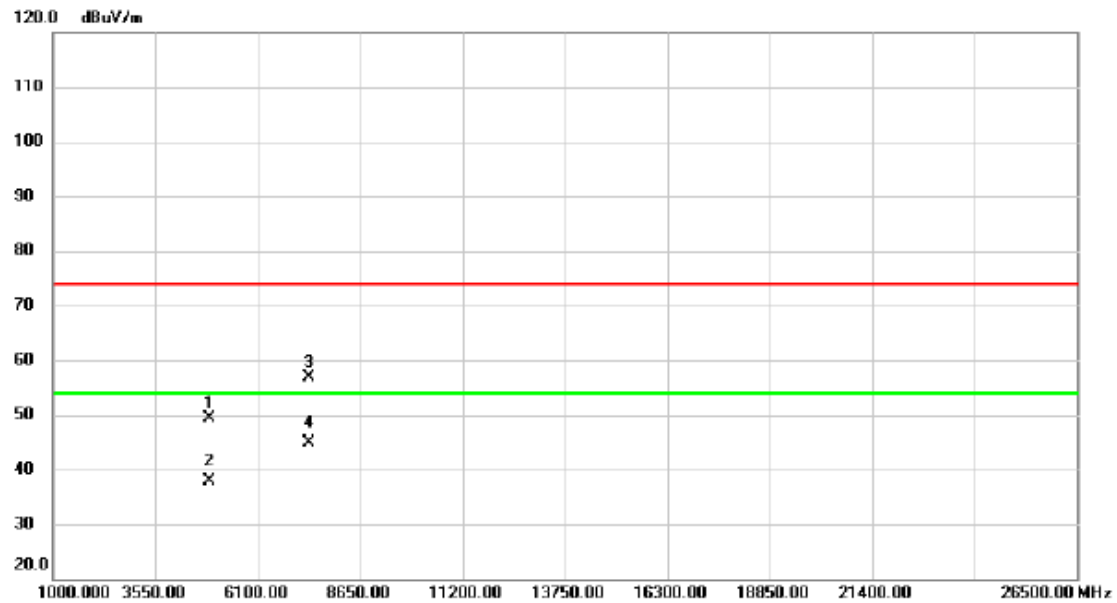
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2449.500	67.13	32.18	99.31	74.00	25.31	peak	NO LIMIT
2	*	2449.500	58.34	32.18	90.52	54.00	36.52	AVG	NO LIMIT
3		2483.500	35.33	32.30	67.63	74.00	-6.37	peak	
4		2483.500	19.65	32.30	51.95	54.00	-2.05	AVG	

Test Mode:	TX N-40M MODE 2452MHz
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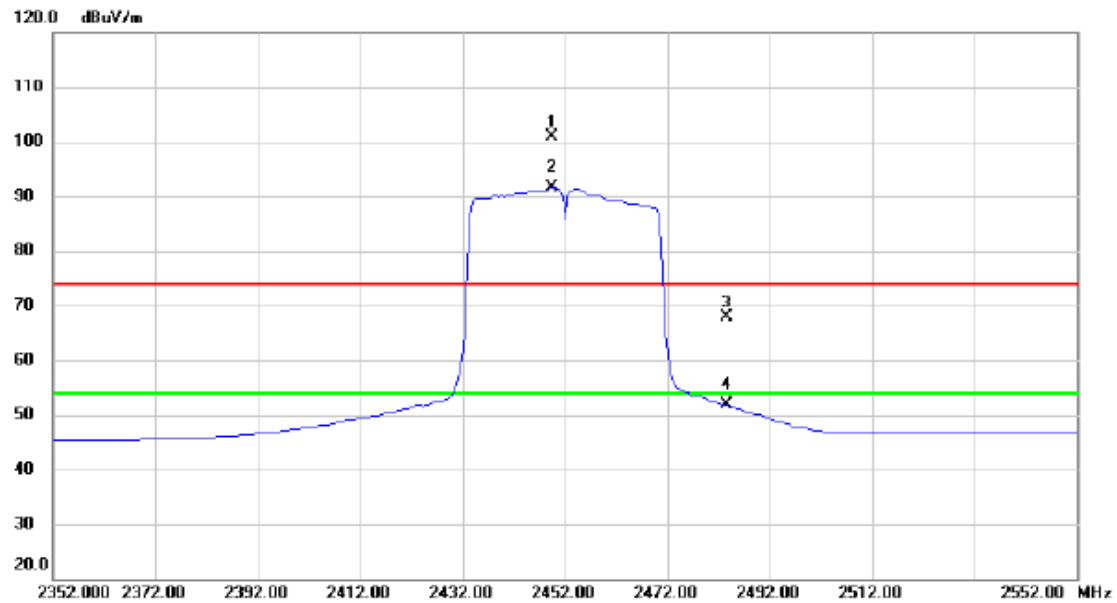
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4897.350	43.42	5.88	49.30	74.00	-24.70	peak	
2		4897.350	32.09	5.88	37.97	54.00	-16.03	AVG	
3		7362.150	42.78	14.18	56.96	74.00	-17.04	peak	
4	*	7362.150	30.60	14.18	44.78	54.00	-9.22	AVG	

Test Mode: TX N-40M MODE 2452MHz

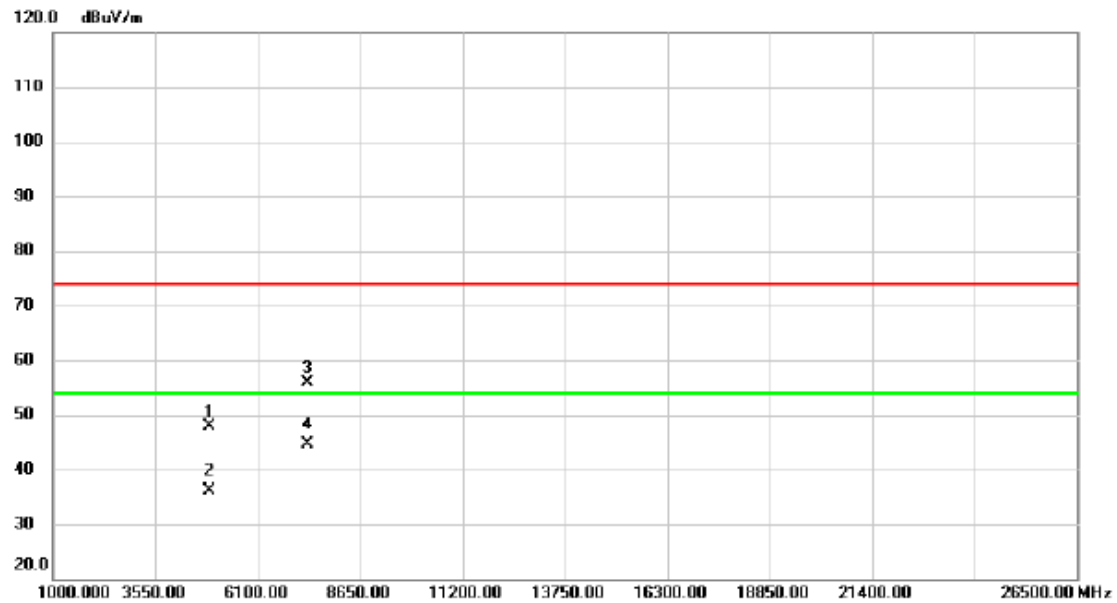
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2449.500	68.71	32.18	100.89	74.00	26.89	peak	NO LIMIT
2	*	2449.500	59.37	32.18	91.55	54.00	37.55	AVG	NO LIMIT
3		2483.500	35.58	32.30	67.88	74.00	-6.12	peak	
4		2483.500	19.52	32.30	51.82	54.00	-2.18	AVG	

Test Mode:	TX N-40M MODE 2452MHz
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Horizontal



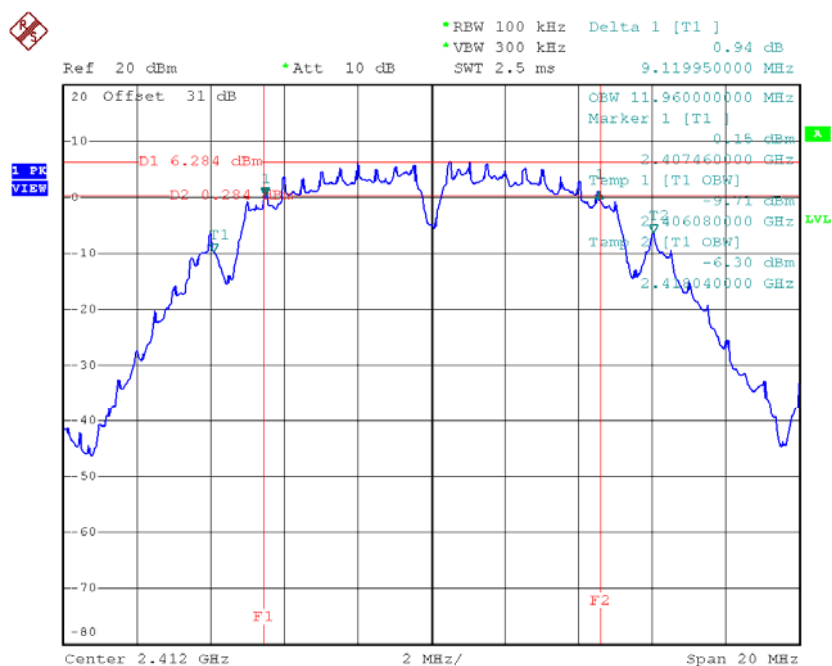
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4905.700	42.07	5.88	47.95	74.00	-26.05	peak	
2		4905.700	30.15	5.88	36.03	54.00	-17.97	AVG	
3		7348.350	41.73	14.15	55.88	74.00	-18.12	peak	
4	*	7348.350	30.59	14.15	44.74	54.00	-9.26	AVG	

ATTACHMENT E - BANDWIDTH

Test Mode: TX B Mode_CH01/06/11

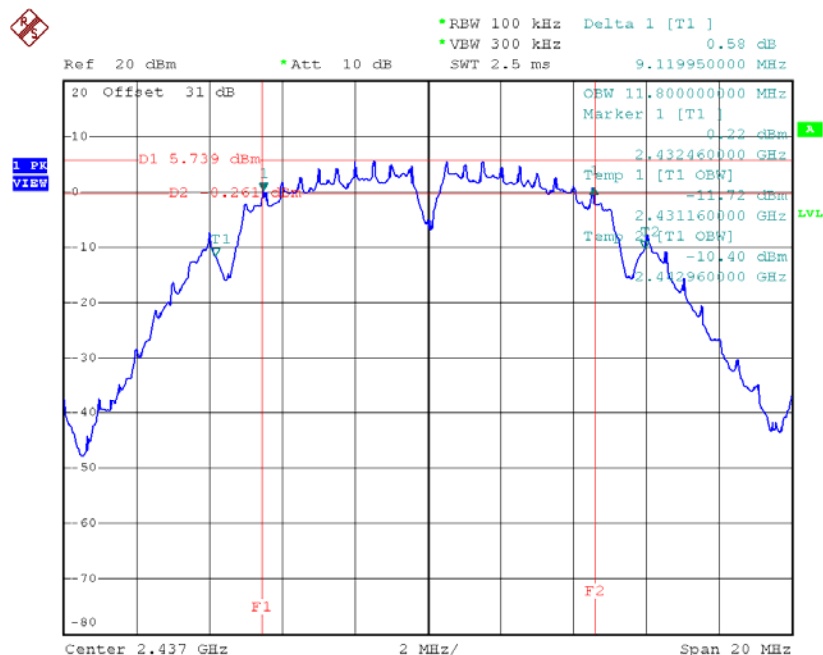
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.12	11.96	500	Complies
2437	9.12	11.80	500	Complies
2462	9.06	11.84	500	Complies

TX CH01



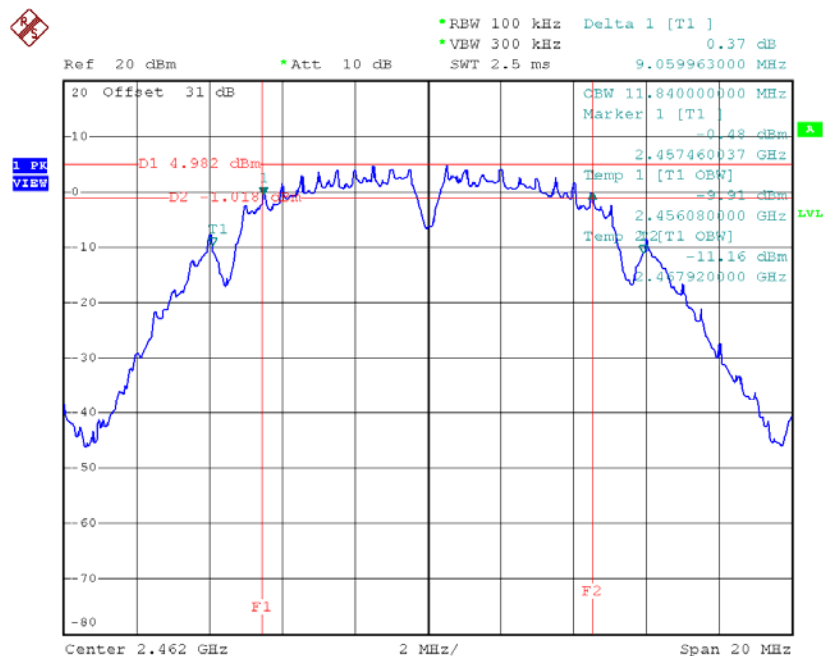
Date: 23.DEC.2015 10:32:36

TX CH06



Date: 23.DEC.2015 10:45:23

TX CH11

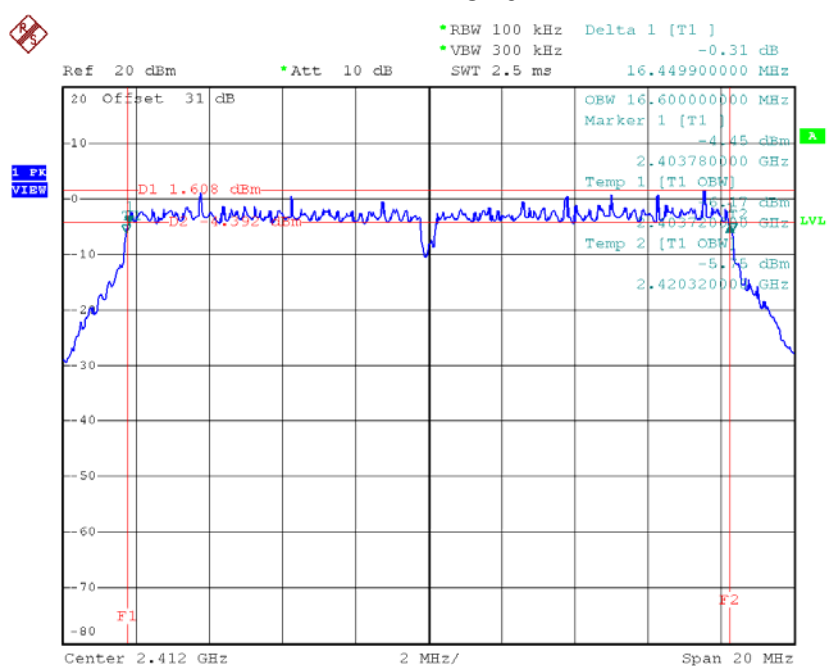


Date: 23.DEC.2015 10:47:22

Test Mode: TX G Mode_CH01/06/11

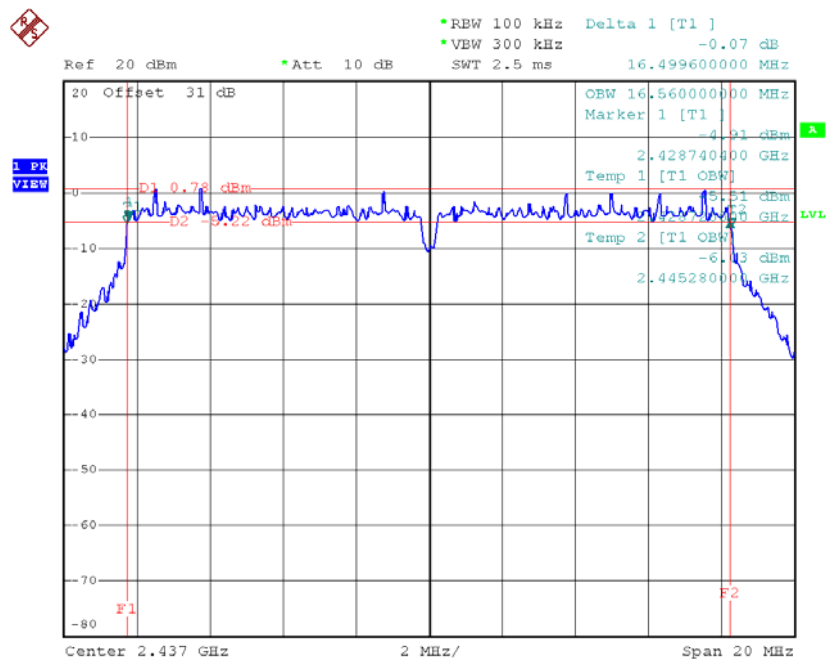
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.45	16.60	500	Complies
2437	16.50	16.56	500	Complies
2462	16.44	16.56	500	Complies

TX CH01



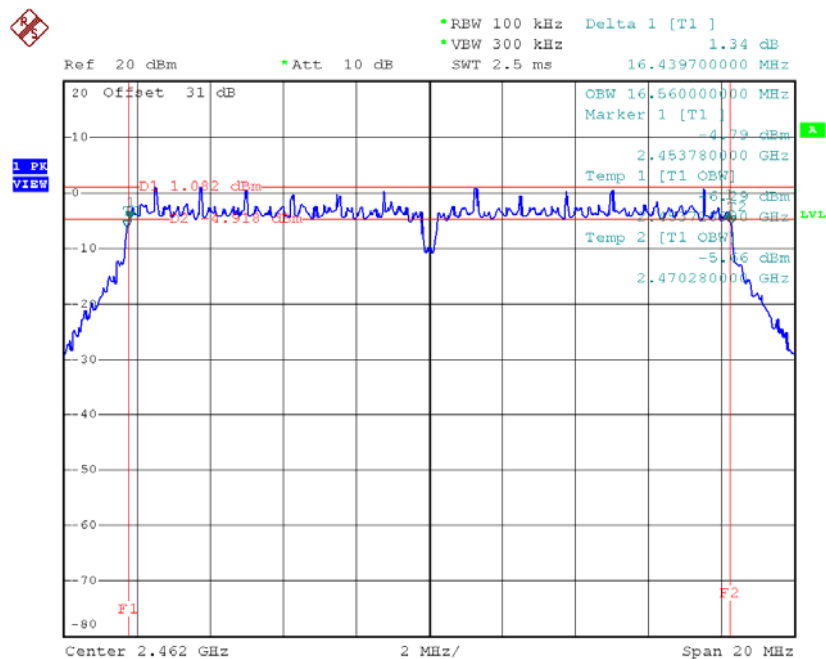
Date: 23.DEC.2015 10:51:04

TX CH06



Date: 23.DEC.2015 10:53:13

TX CH11

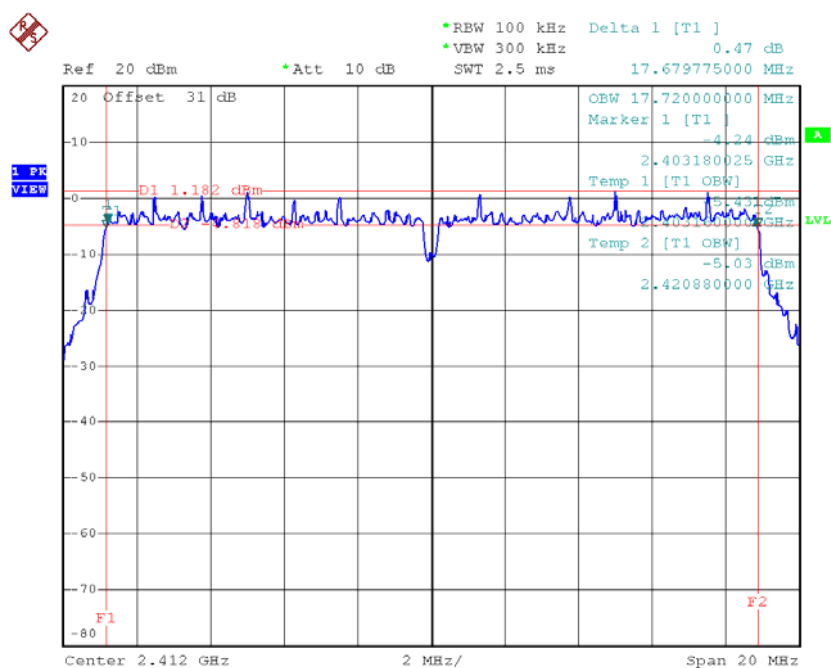


Date: 23.DEC.2015 10:54:34

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

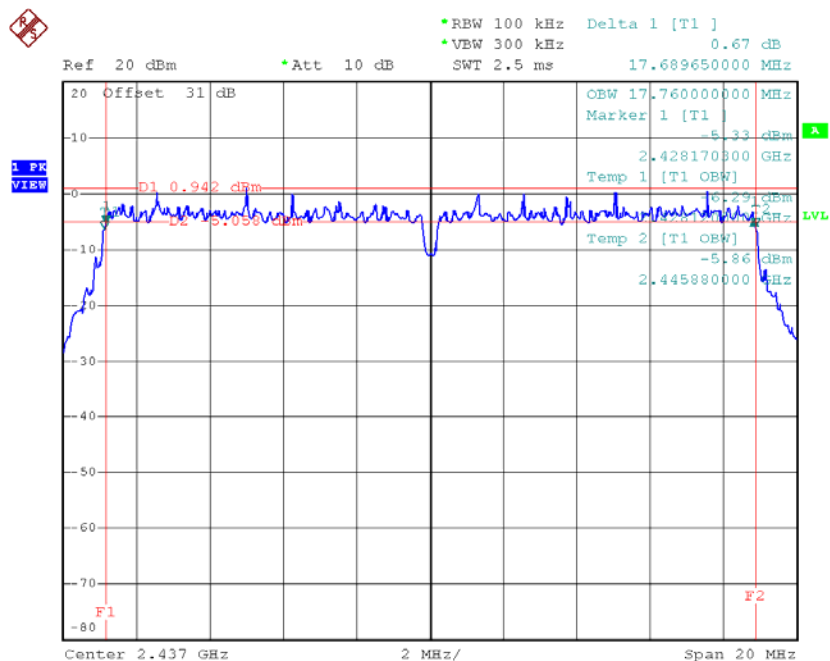
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.68	17.72	500	Complies
2437	17.69	17.76	500	Complies
2462	17.71	17.72	500	Complies

TX CH01



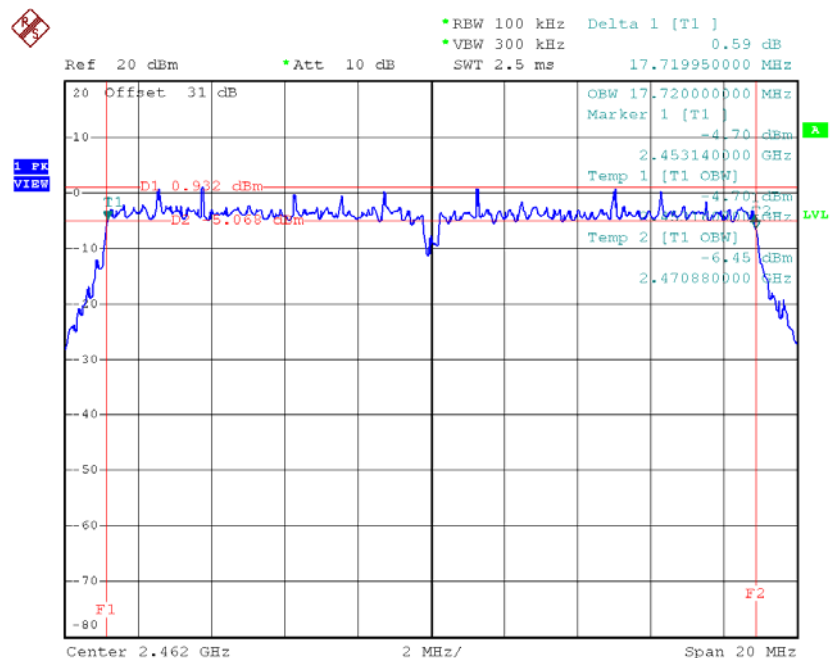
Date: 23.DEC.2015 11:06:56

TX CH06



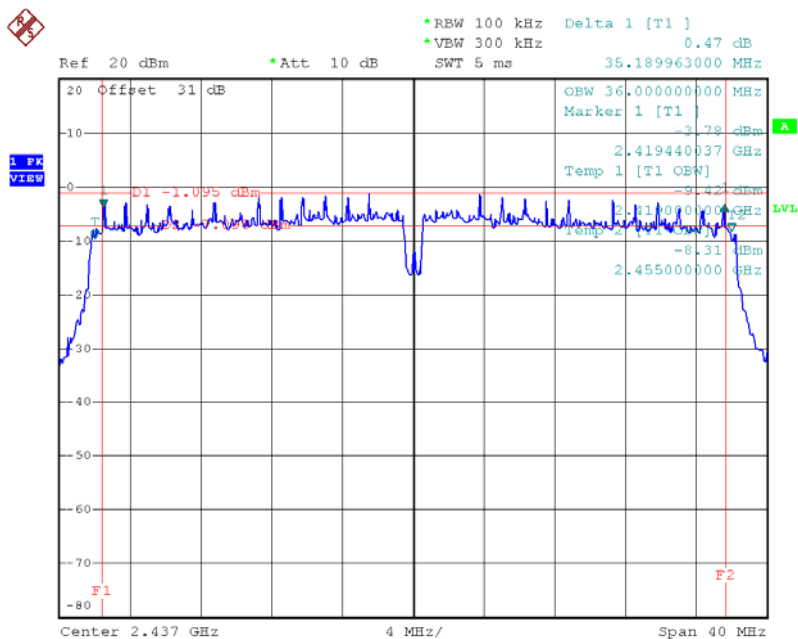
Date: 23.DEC.2015 11:09:16

TX CH11



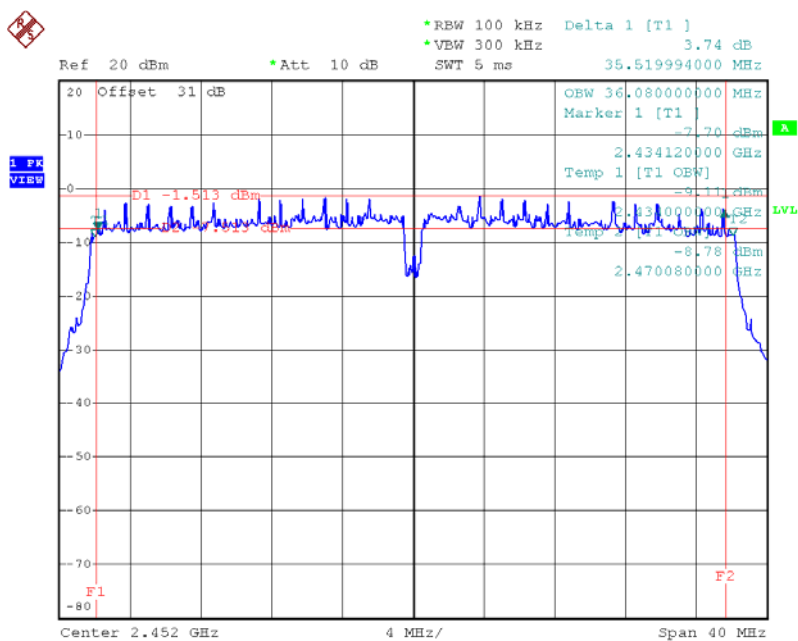
Date: 23.DEC.2015 11:10:51

TX CH06



Date: 23.DEC.2015 11:16:18

TX CH09



Date: 23.DEC.2015 11:18:39

ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode: TX B Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.81	0.1517	30.00	1.00	Complies
2437	20.66	0.1164	30.00	1.00	Complies
2462	20.13	0.1030	30.00	1.00	Complies

Test Mode: TX G Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	24.53	0.2838	30.00	1.00	Complies
2437	24.16	0.2606	30.00	1.00	Complies
2462	24.33	0.2710	30.00	1.00	Complies

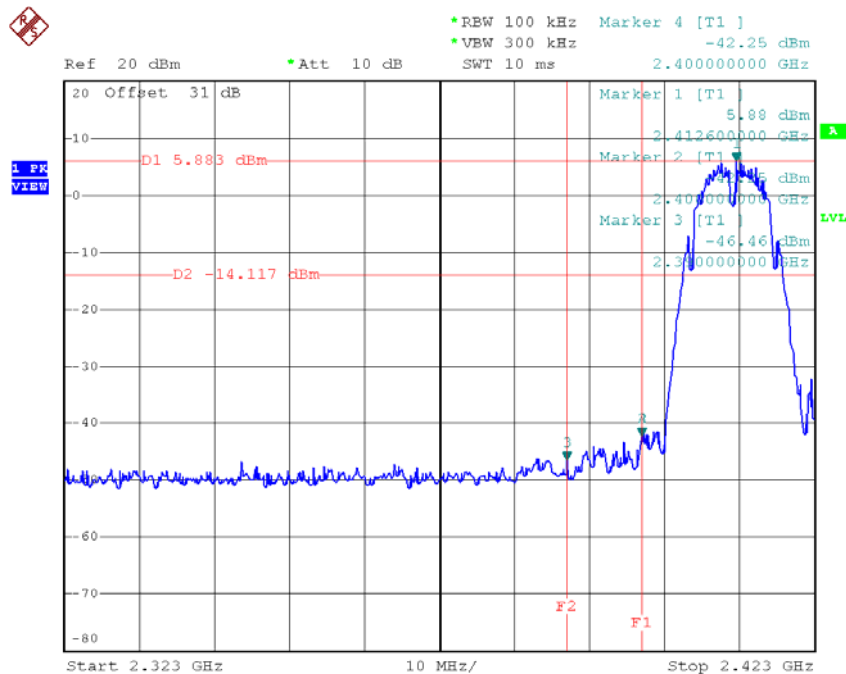
Test Mode: TX N20 Mode_CH01/06/11					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.63	0.2307	30.00	1.00	Complies
2437	24.01	0.2518	30.00	1.00	Complies
2462	24.62	0.2897	30.00	1.00	Complies

Test Mode: TX N40 Mode_CH03/06/09					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.46	0.2218	30.00	1.00	Complies
2437	23.87	0.2438	30.00	1.00	Complies
2452	23.67	0.2328	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

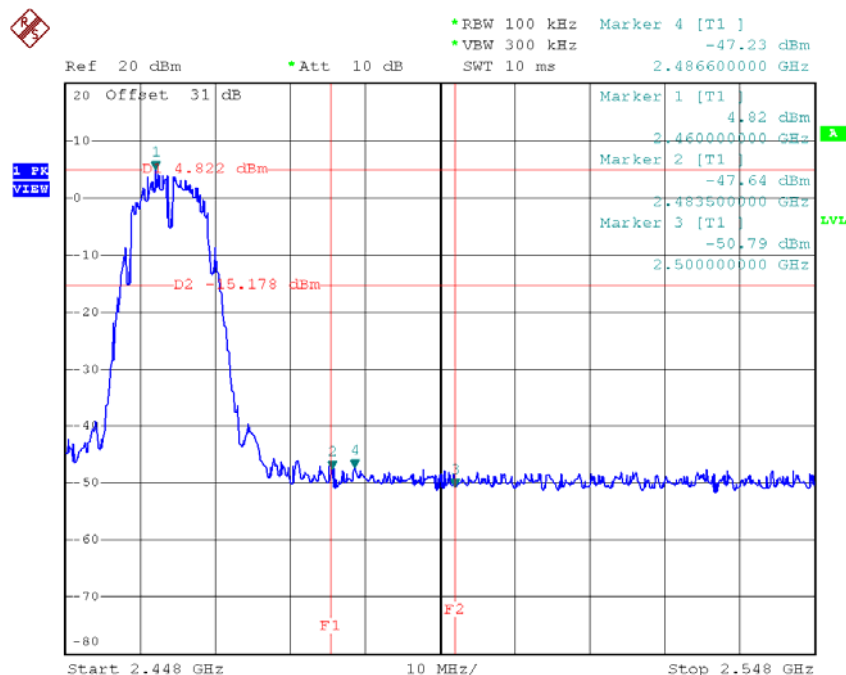
Test Mode: TX B Mode

TX B mode CH01



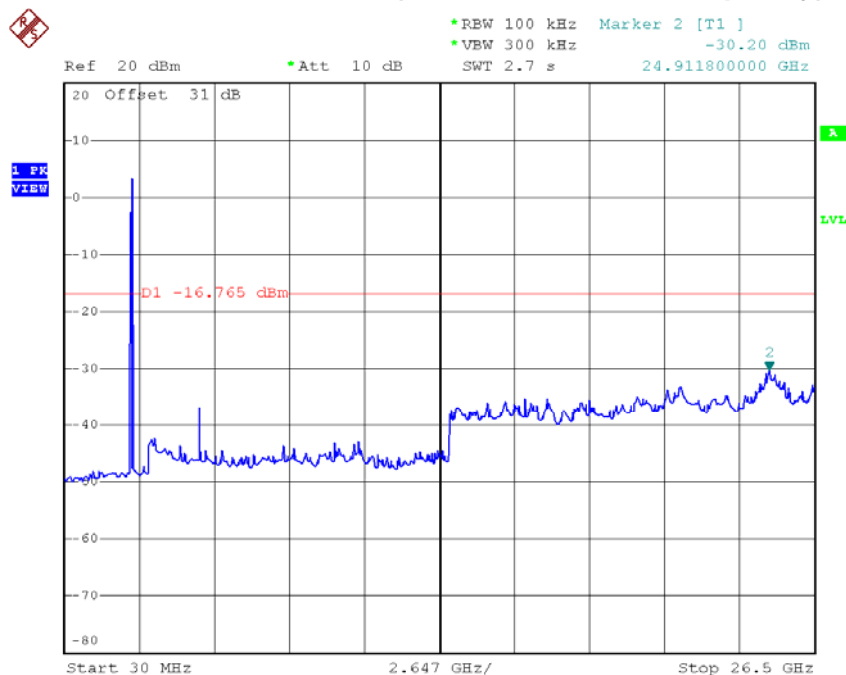
Date: 23.DEC.2015 10:33:12

TX B mode CH11



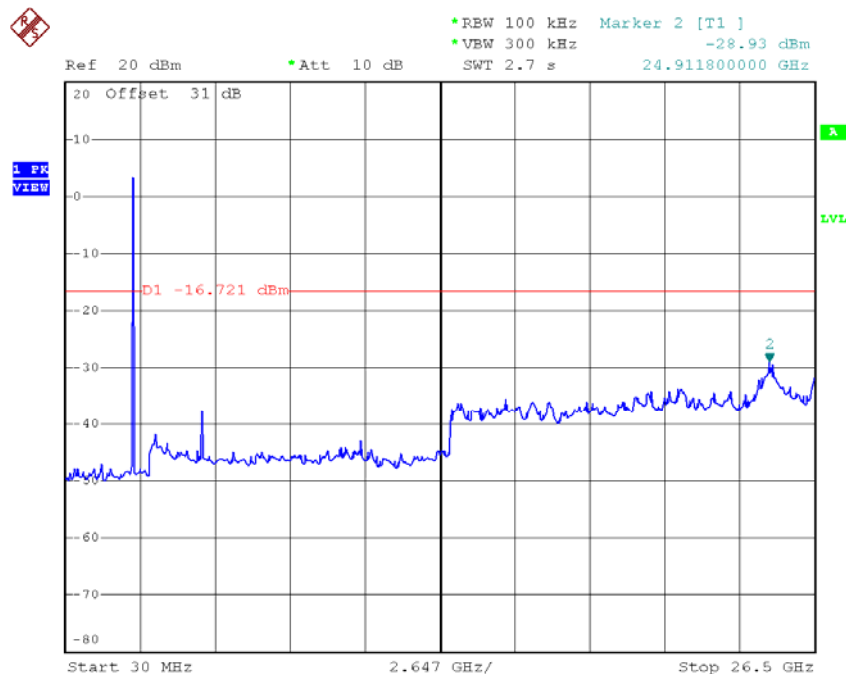
Date: 23.DEC.2015 10:47:58

TX B mode CH01 (10 Harmonic of the frequency)



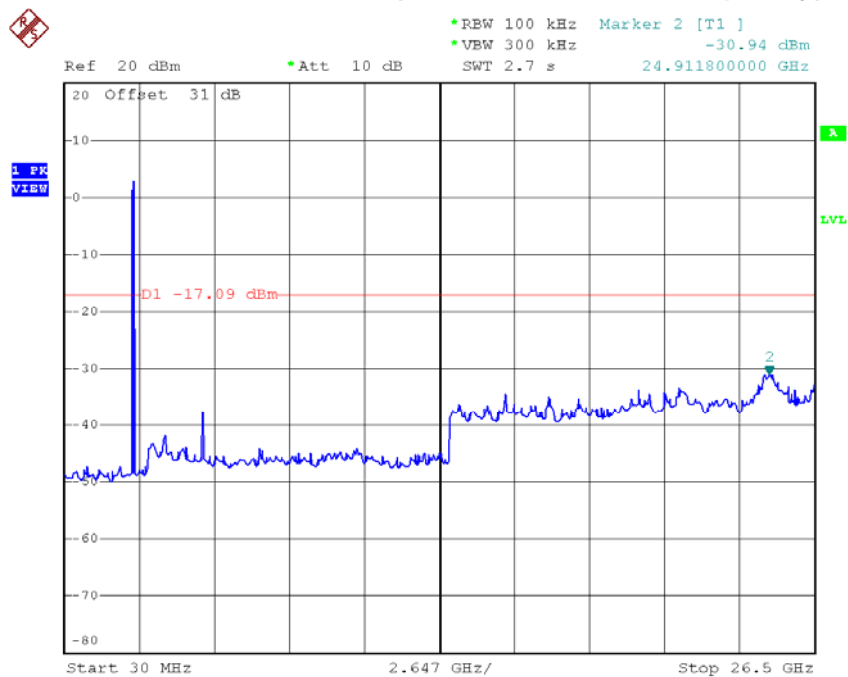
Date: 23.DEC.2015 10:32:49

TX B mode CH06 (10 Harmonic of the frequency)



Date: 23.DEC.2015 10:45:36

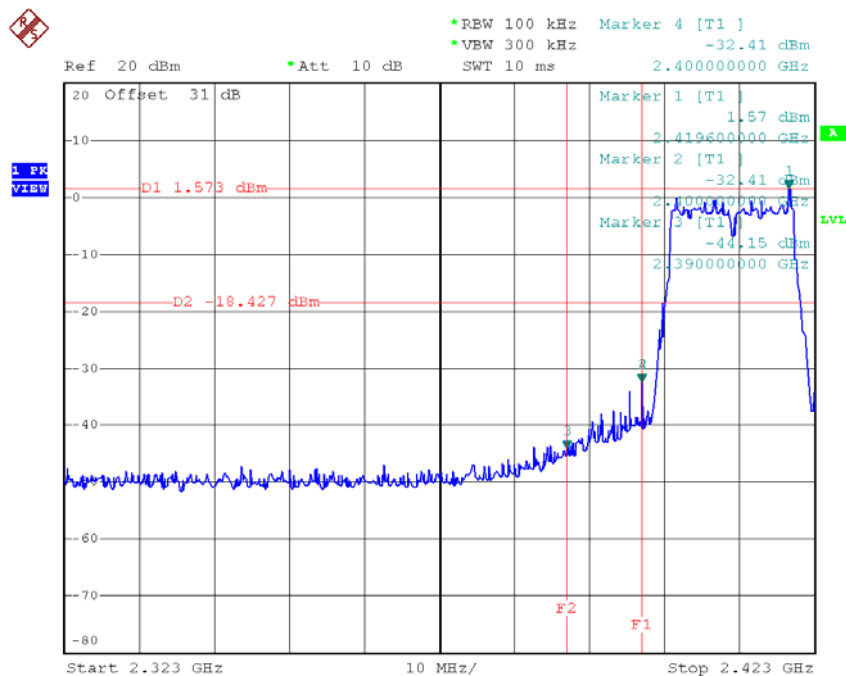
TX B mode CH11 (10 Harmonic of the frequency)



Date: 23.DEC.2015 10:47:35

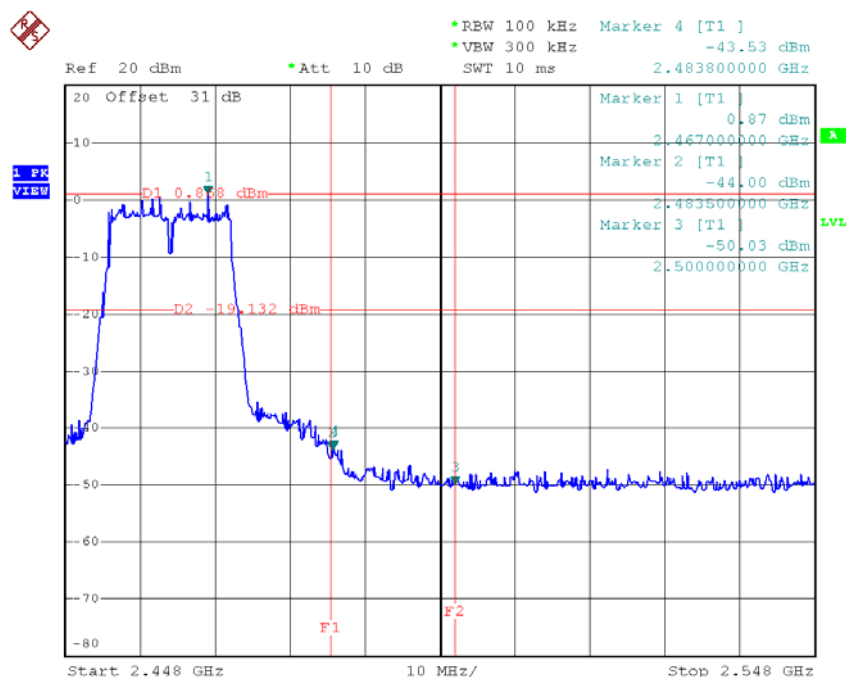
Test Mode: TX G Mode

TX G mode CH01



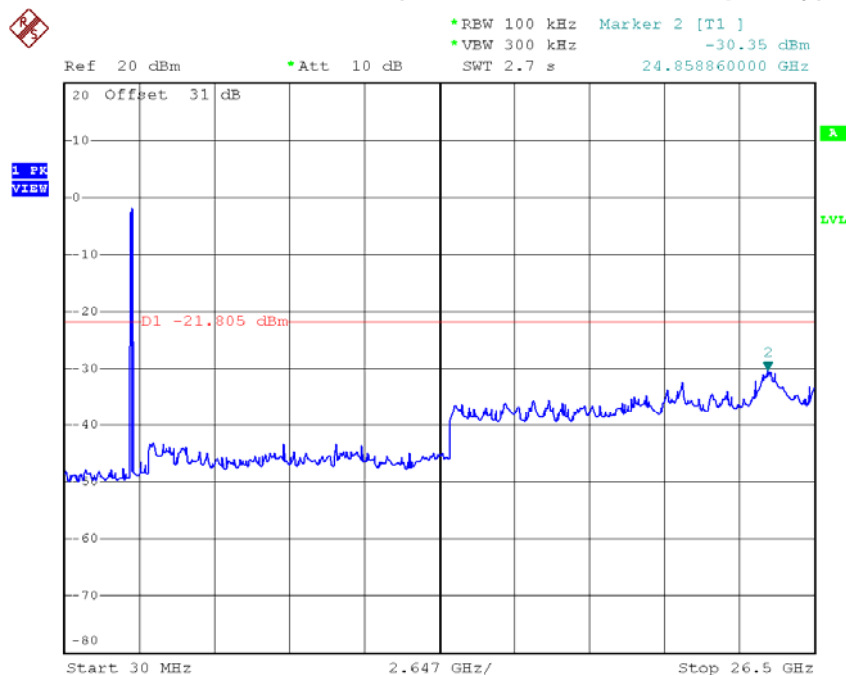
Date: 23.DEC.2015 10:51:40

TX G mode CH11



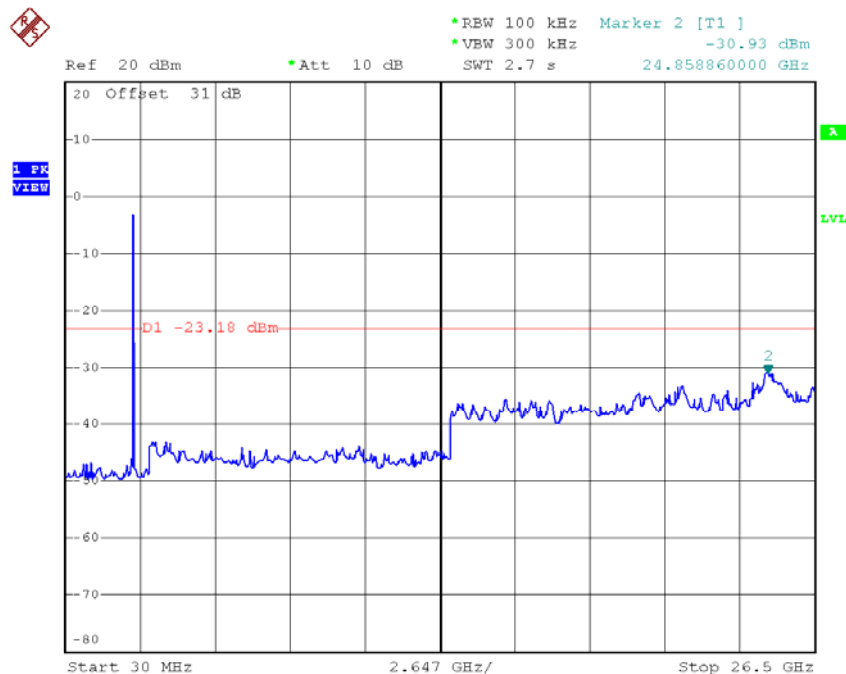
Date: 23.DEC.2015 10:55:10

TX G mode CH01 (10 Harmonic of the frequency)



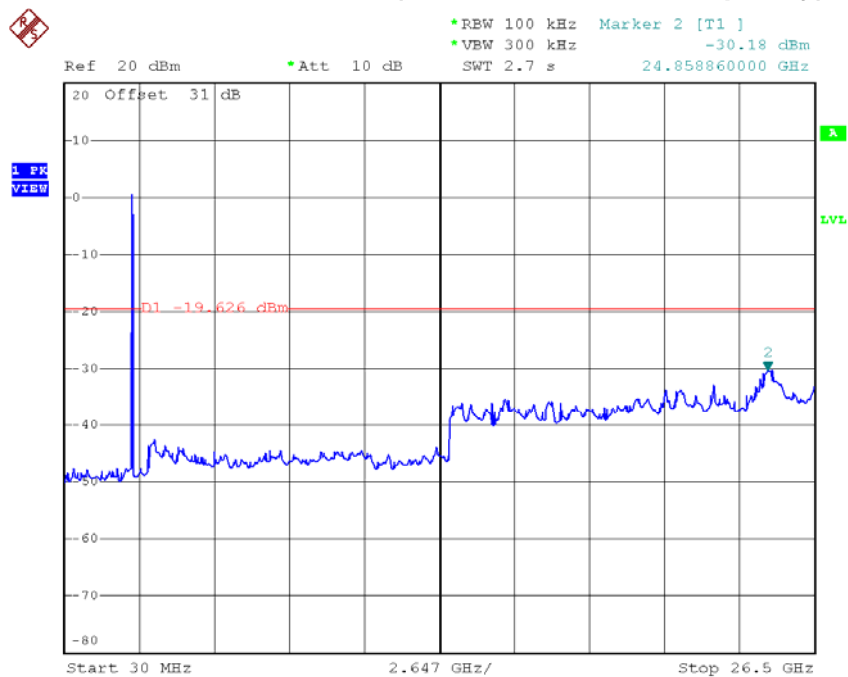
Date: 23.DEC.2015 10:51:17

TX G mode CH06 (10 Harmonic of the frequency)



Date: 23.DEC.2015 10:53:26

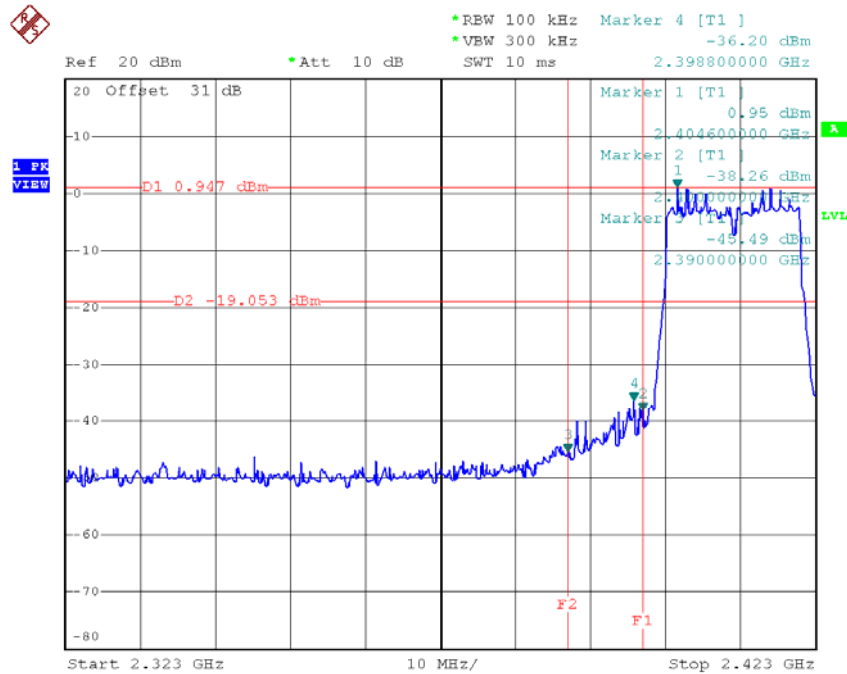
TX G mode CH11 (10 Harmonic of the frequency)



Date: 23.DEC.2015 10:54:47

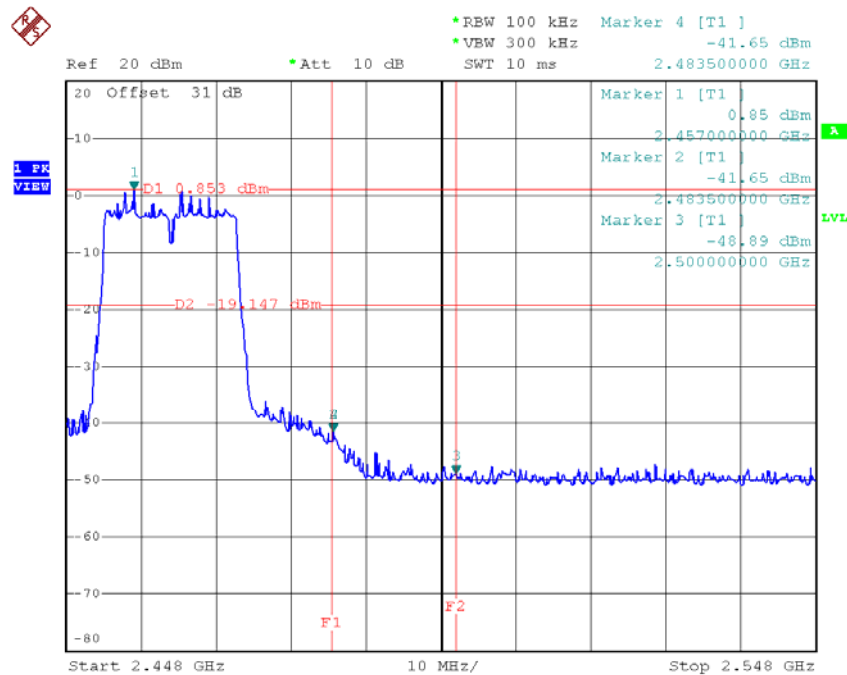
Test Mode: TX N-20M Mode

TX HT20 mode CH01



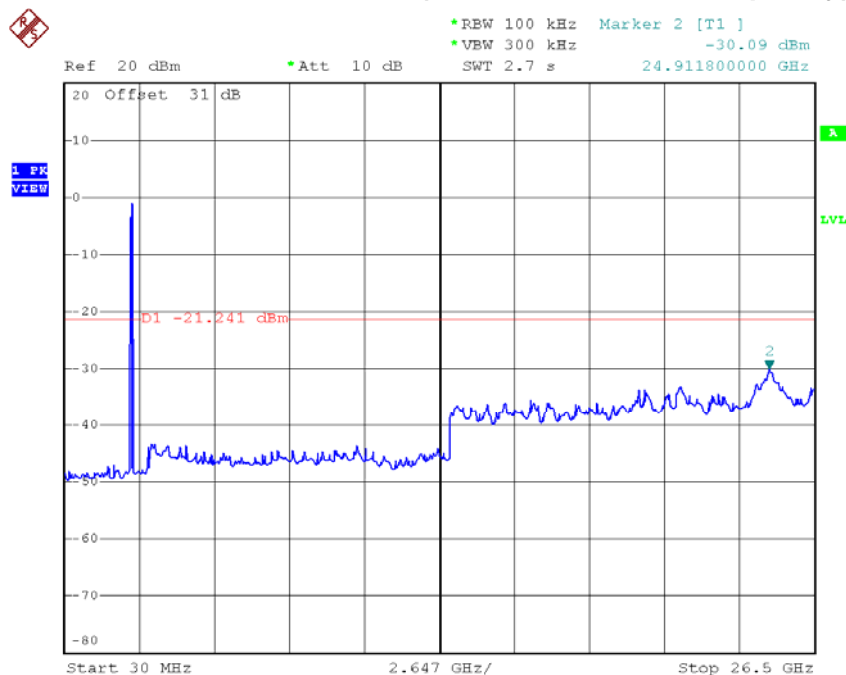
Date: 23.DEC.2015 11:07:32

TX HT20 mode CH11



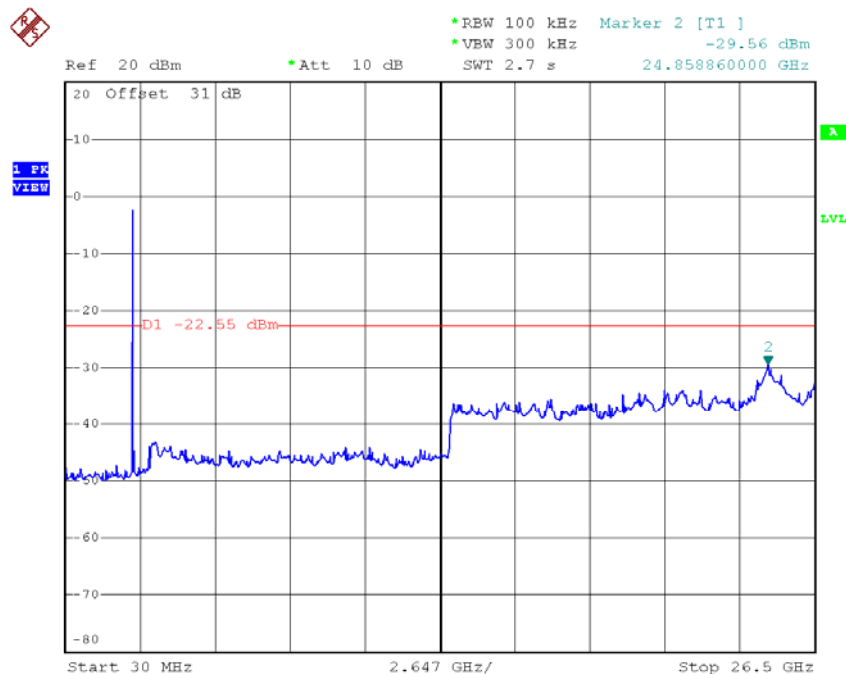
Date: 23.DEC.2015 11:11:27

TX HT20 mode CH01 (10 Harmonic of the frequency)



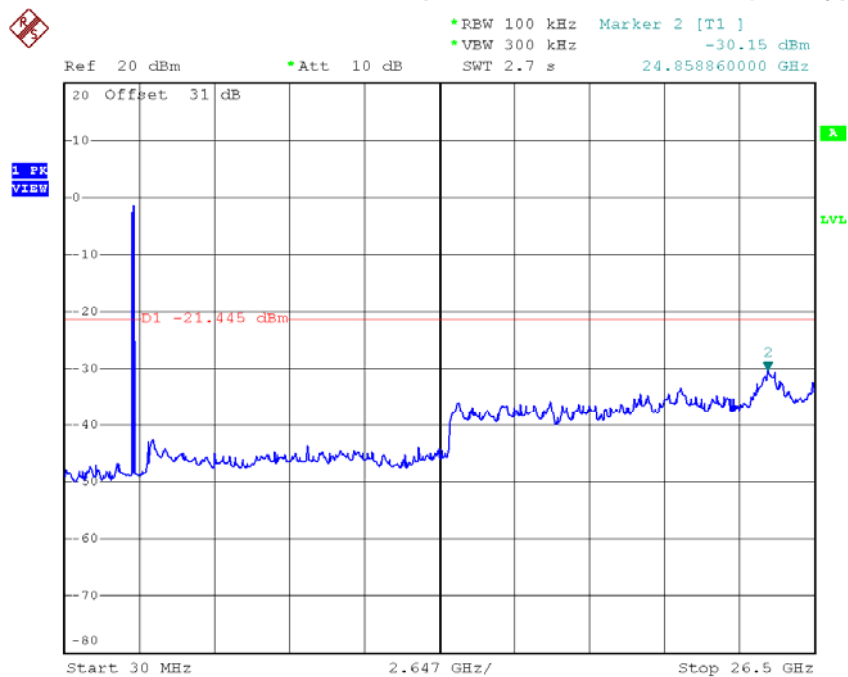
Date: 23.DEC.2015 11:07:09

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 23.DEC.2015 11:09:29

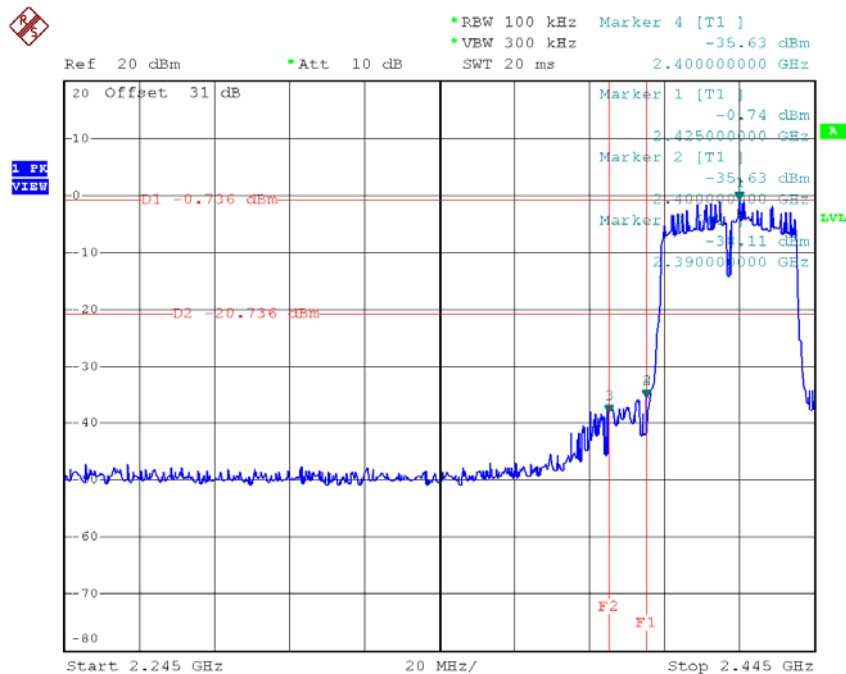
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 23.DEC.2015 11:11:04

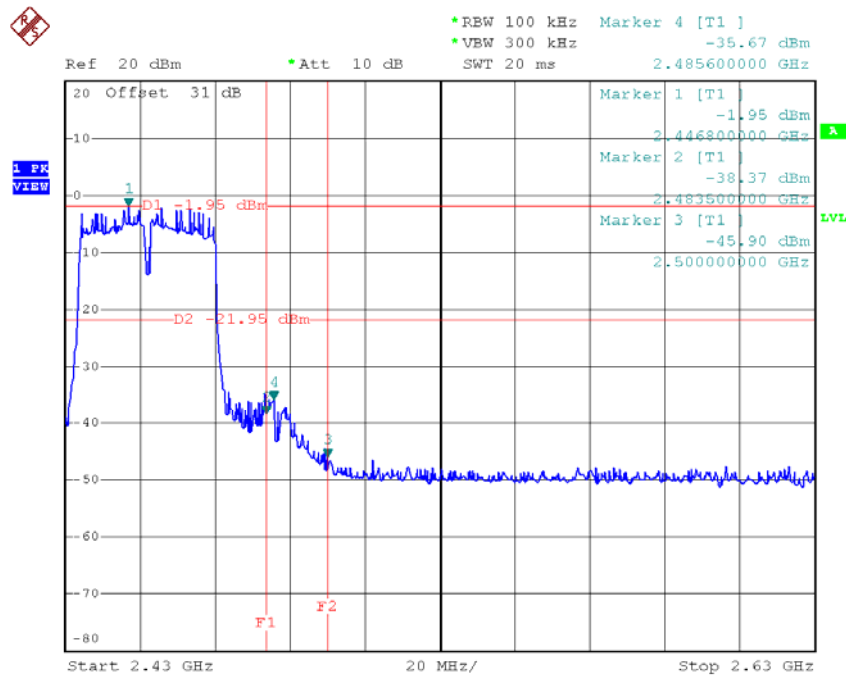
Test Mode: TX N-40M Mode

TX HT40 mode CH03



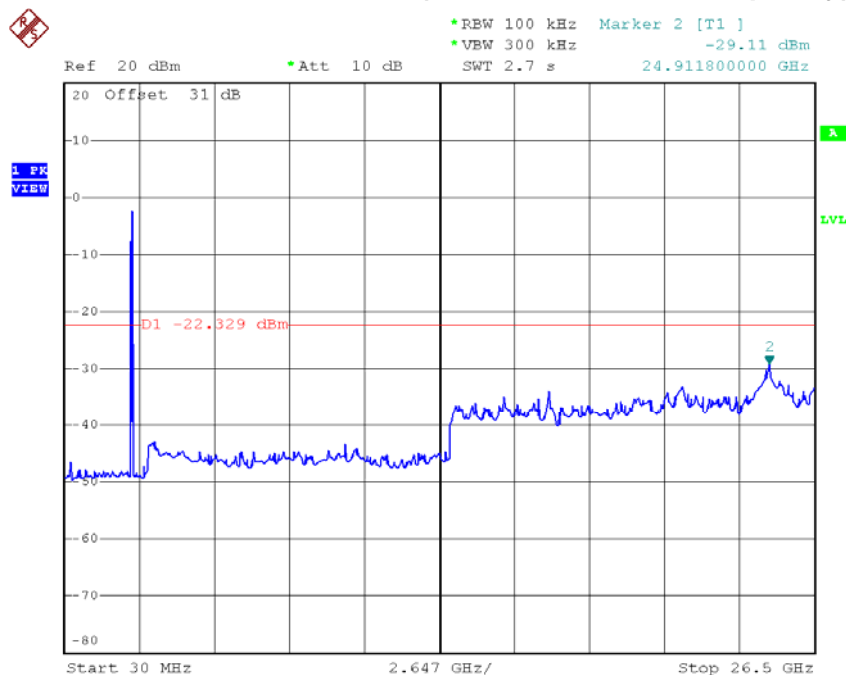
Date: 23.DEC.2015 11:14:45

TX HT40 mode CH09



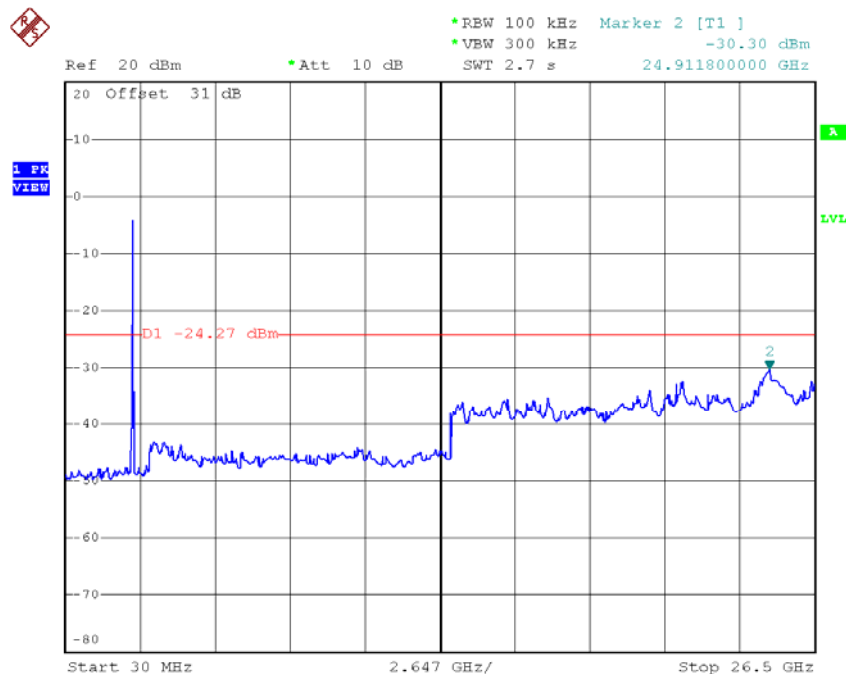
Date: 23.DEC.2015 11:18:59

TX HT40 mode CH03 (10 Harmonic of the frequency)



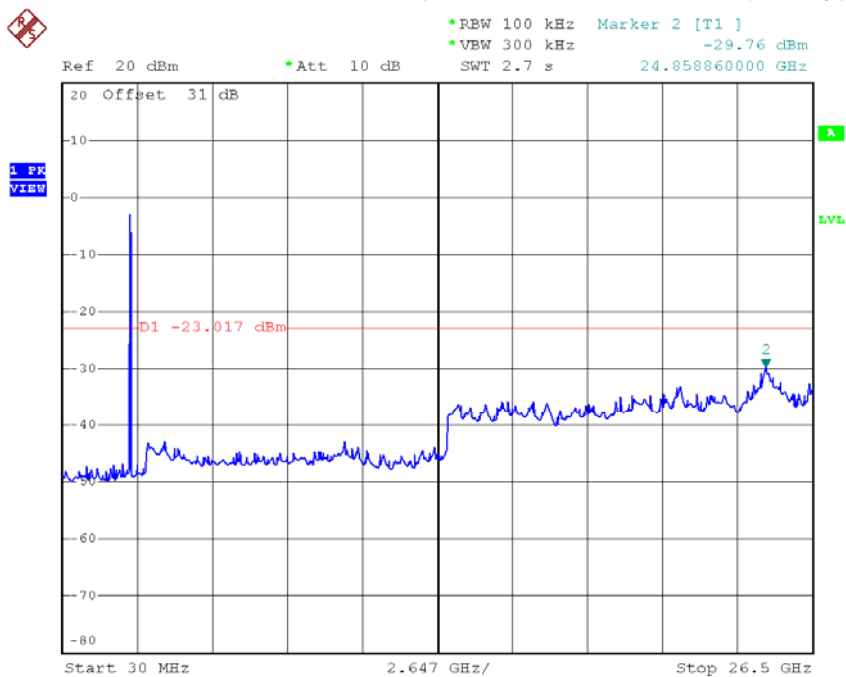
Date: 23.DEC.2015 11:14:21

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 23.DEC.2015 11:16:31

TX HT40 mode CH09 (10 Harmonic of the frequency)



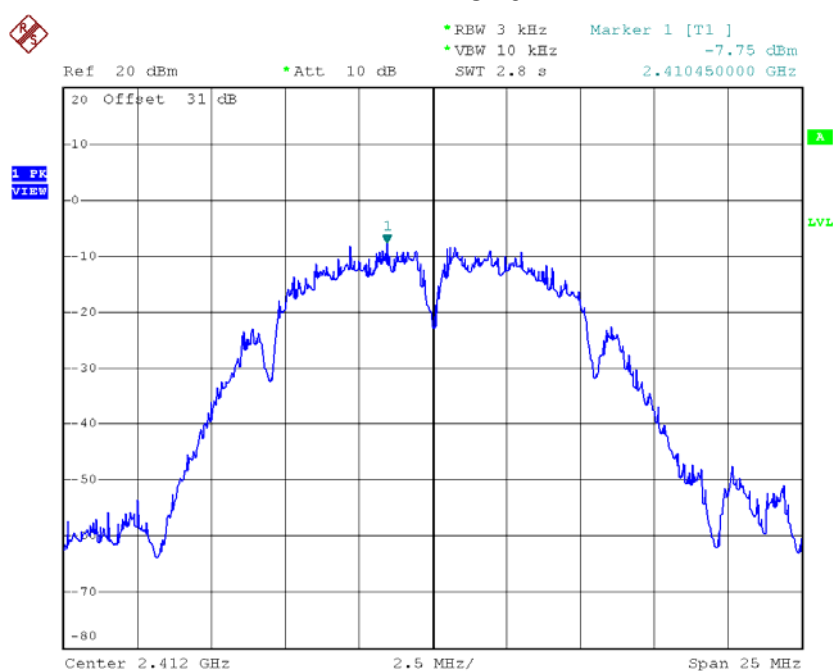
Date: 23.DEC.2015 11:18:52

ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode: TX B Mode_CH01/06/11

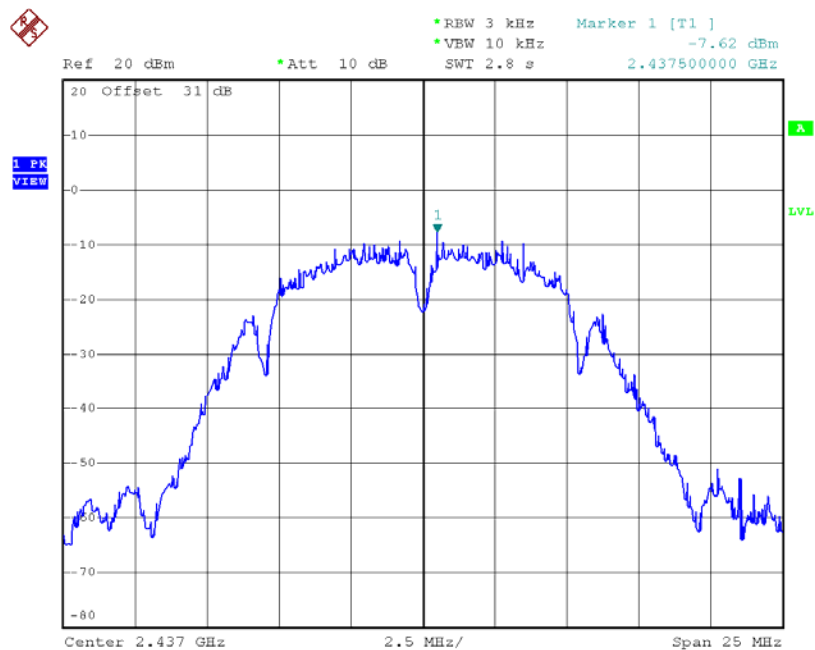
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-7.75	0.17	8.00	Complies
2437	-7.62	0.17	8.00	Complies
2462	-9.72	0.11	8.00	Complies

TX CH01



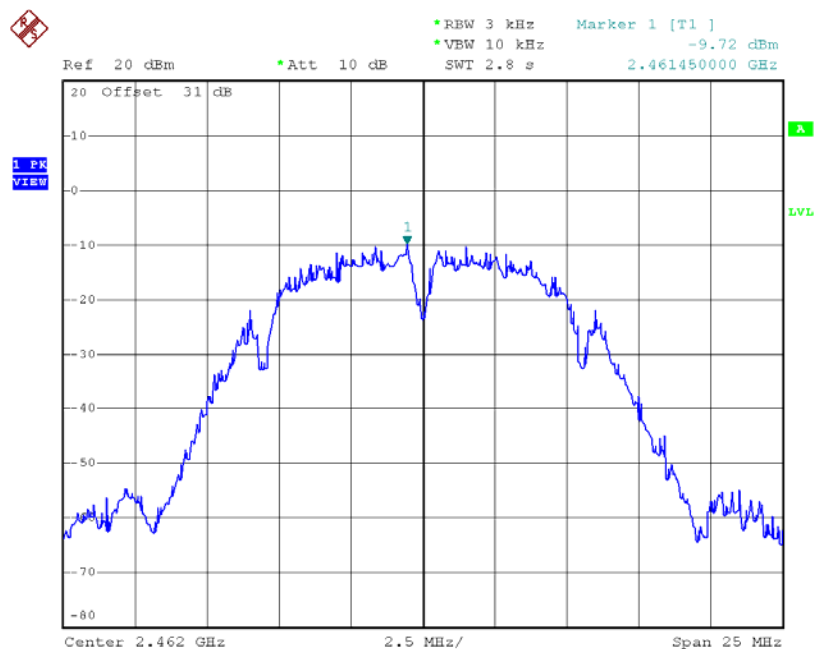
Date: 23.DEC.2015 10:33:20

TX CH06



Date: 23.DEC.2015 10:45:44

TX CH11

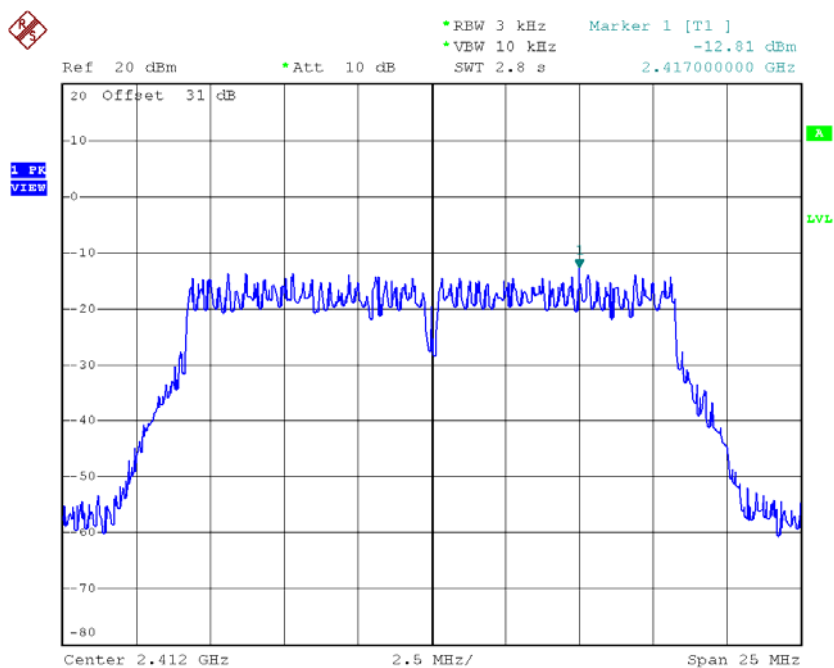


Date: 23.DEC.2015 10:48:06

Test Mode: TX G Mode_CH01/06/11

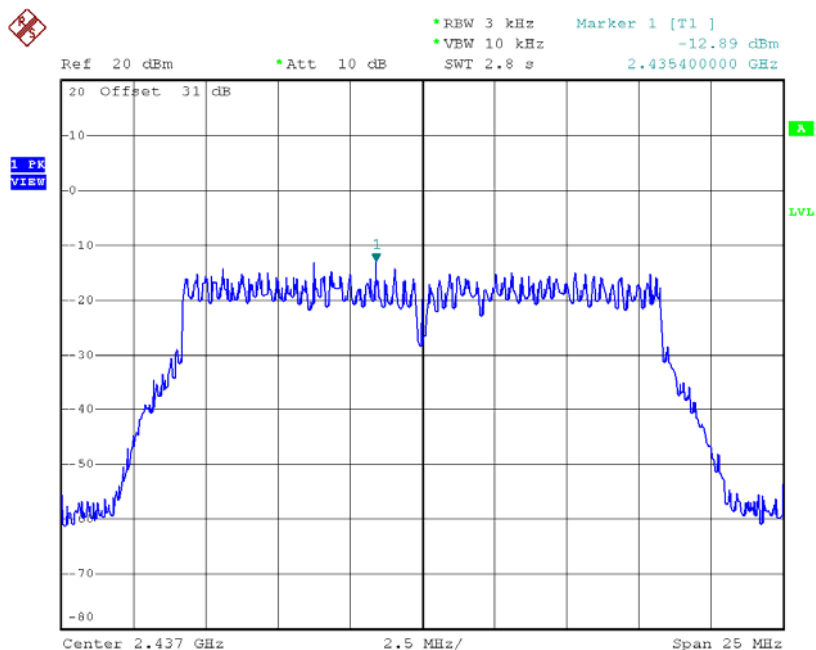
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-12.81	0.05	8.00	Complies
2437	-12.89	0.05	8.00	Complies
2462	-12.88	0.05	8.00	Complies

TX CH01



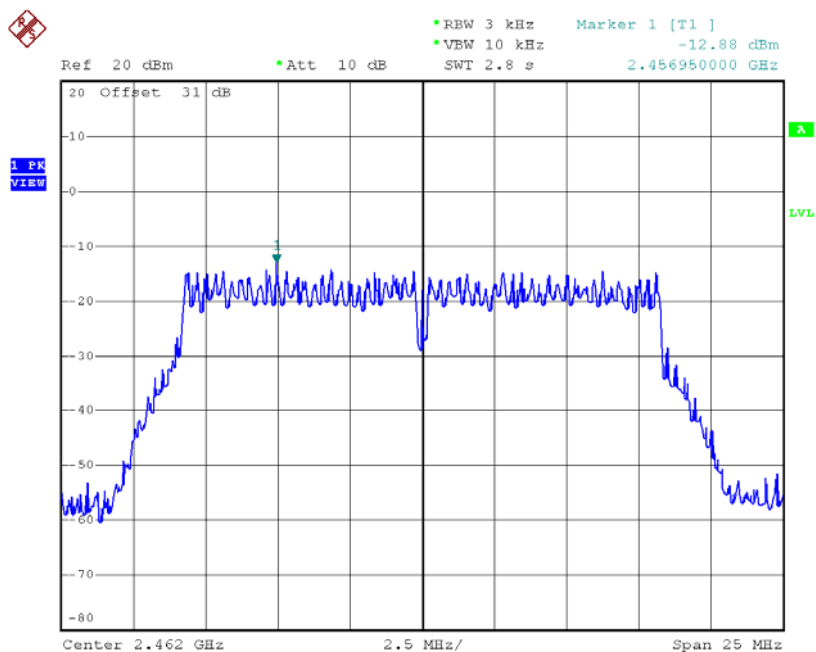
Date: 23.DEC.2015 10:51:49

TX CH06



Date: 23.DEC.2015 10:53:34

TX CH11

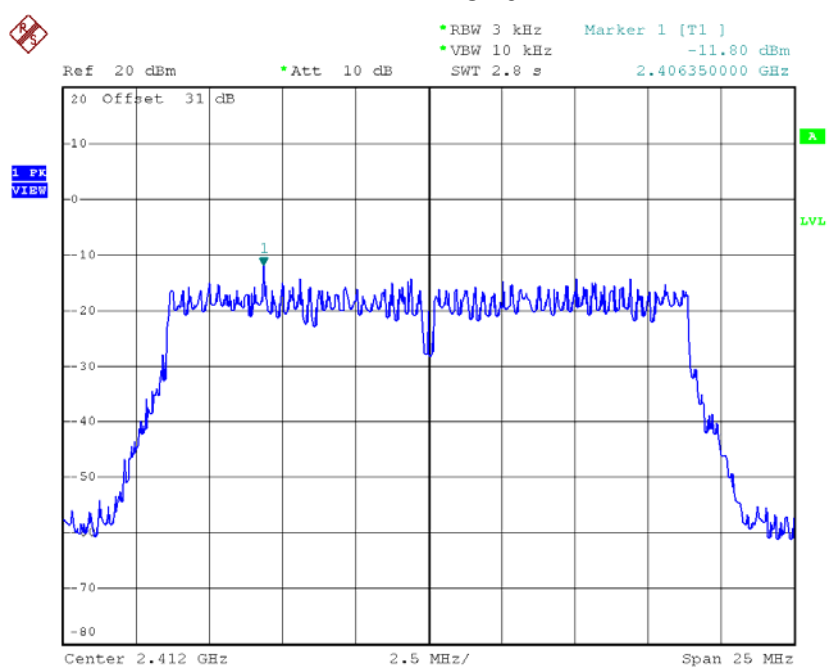


Date: 23.DEC.2015 10:55:19

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

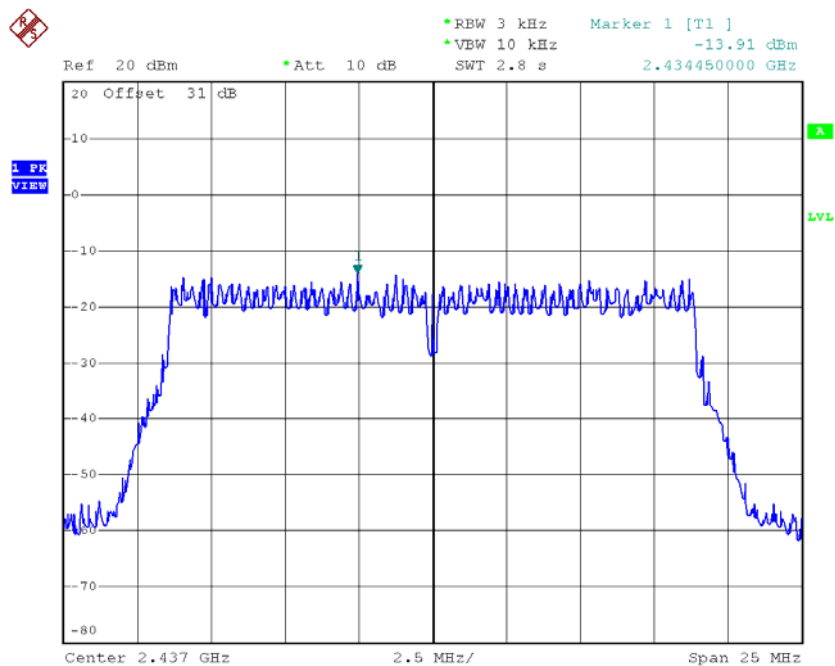
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.80	0.07	8.00	Complies
2437	-13.91	0.04	8.00	Complies
2462	-13.58	0.04	8.00	Complies

TX CH01



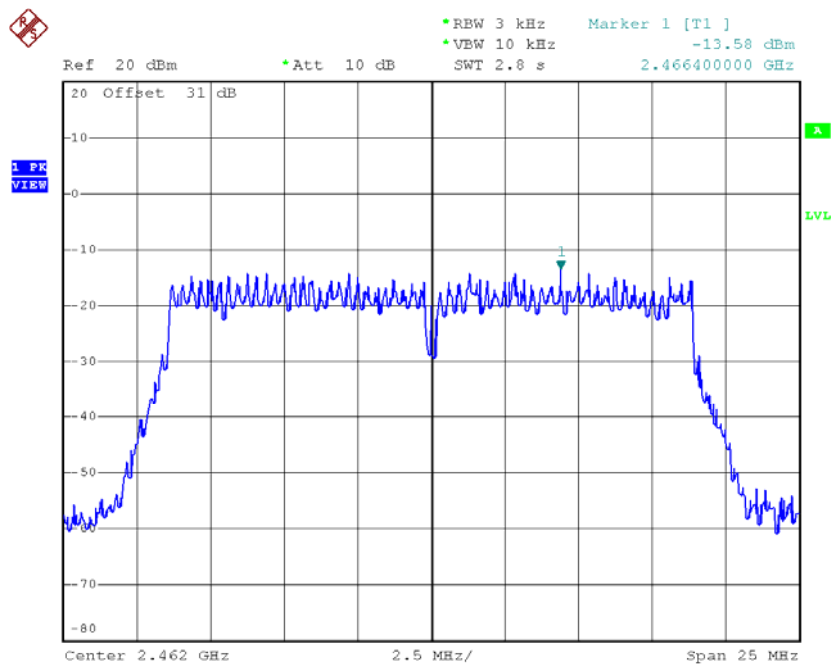
Date: 23.DEC.2015 11:07:41

TX CH06



Date: 23.DEC.2015 11:09:37

TX CH11

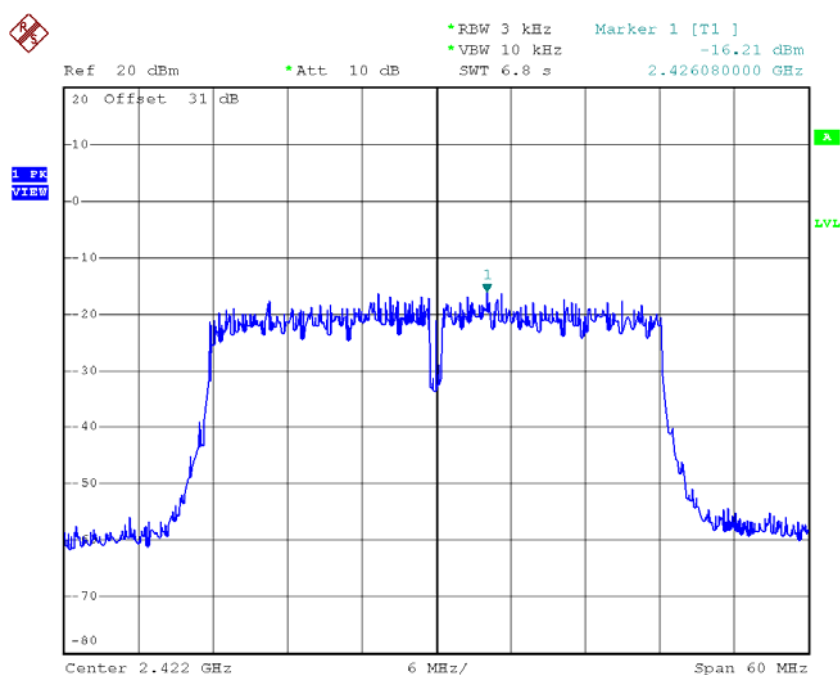


Date: 23.DEC.2015 11:11:35

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

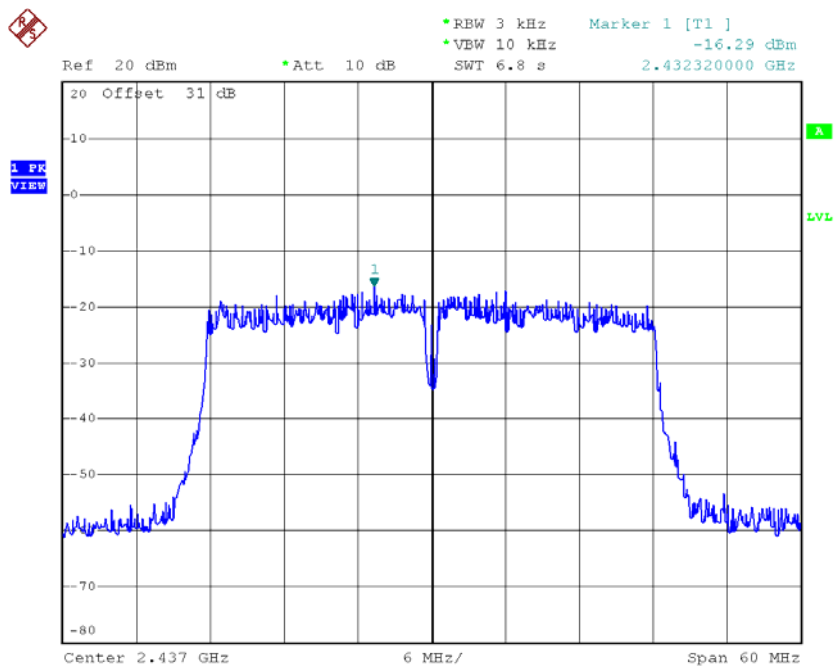
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-16.21	0.02	8.00	Complies
2437	-16.29	0.02	8.00	Complies
2452	-15.43	0.03	8.00	Complies

TX CH03



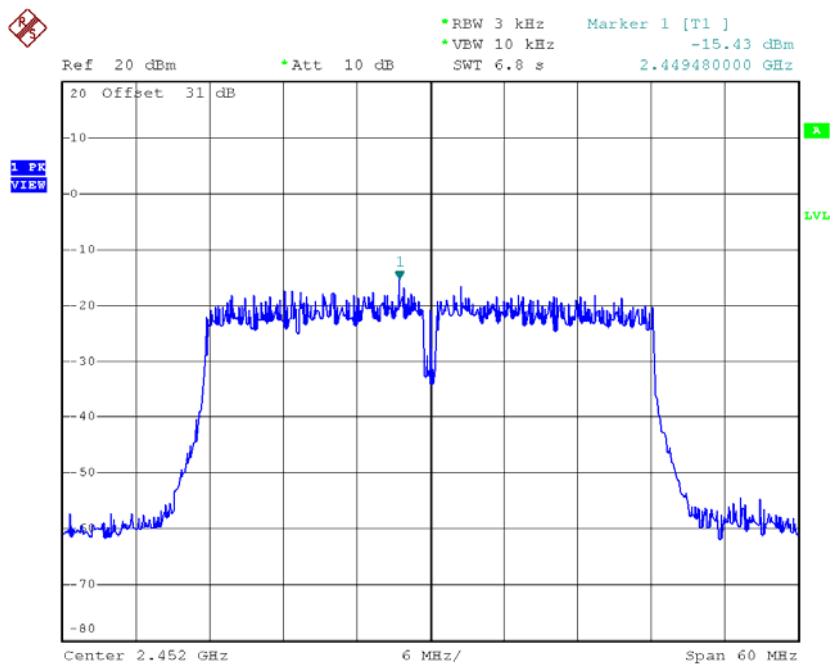
Date: 23.DEC.2015 11:14:56

TX CH06



Date: 23.DEC.2015 11:16:42

TX CH09



Date: 23.DEC.2015 11:19:11