

# FCC Radio Test Report

## FCC ID: M82-DLV6210

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

**Project No.** : 1608164  
**Equipment** : Computer  
**Test Model** : DLT-V6210  
**Series Model** : DLTV6210XXXXXXXXXXXXXXX (where X may be any alphanumeric character, blank or "-".)  
**Applicant** : Advantech Co., Ltd.  
**Address** : No.1, Alley 20, Lane 26, Rueiguang Road, NeiHu District, Taipei 11491, Taiwan, R.O.C.

**Date of Receipt** : Oct. 07, 2016  
**Date of Test** : Oct. 07, 2016 ~ Nov. 22, 2016  
**Issued Date** : Nov. 24, 2016  
**Tested by** : BTL Inc.

**Testing Engineer** : Rush Kao  
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(Andy Chiu)

### **B T L I N C .**

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## REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-4-1608164	Original Issue.	Nov. 24, 2016

## 1. CERTIFICATION

Equipment : Computer  
Brand Name : ADVANTECH  
Test Model : DLT-V6210  
Series Model : DLTV6210XXXXXXXXXXXXX (where X may be any alphanumeric character, blank or "-".)  
Applicant : Advantech Co., Ltd.  
Manufacturer : Advantech Co., Ltd.  
Address : No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei 11491, Taiwan, R.O.C.  
Date of Test : Oct. 07, 2016 ~ Nov. 22, 2016  
Test Sample : Engineering Sample  
Standard(s) : FCC Part15, Subpart E(15.407) / 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-4-1608164) 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 RLAN part.**

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15, Subpart E(15.407)			
Standard(s) Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.407(a)	26dB Spectrum Bandwidth	PASS	
15.407(a)	Maximum Conducted Output Power	PASS	
15.407(a)	Power Spectral Density	PASS	
15.407(a)	Radiated Emissions	PASS	
15.407(b)	Band Edge Emissions	PASS	
15.407(g)	Frequency Stability	PASS	
15.203	Antenna Requirements	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):

**CB15:** (FCC RN:674415; FCC DN:TW0659)

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

### Radiated emission Test (Above 1 GHz):

**CB15:** (FCC RN:674415; FCC DN:TW0659)

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

## 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  $U_{\text{CISPR}}$  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	3.06

### B. Radiated emission test:

Test Site	Method	Measurement Frequency Range	U,(dB)
CB15 (3m)	CISPR	9kHz ~ 150kHz	2.96
		150kHz ~ 30MHz	2.74

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)
CB15 (3m)	CISPR	30MHz ~ 200MHz	V	4.76
		30MHz ~ 200MHz	H	4.28
		200MHz ~ 1,000MHz	V	5.08
		200MHz ~ 1,000MHz	H	4.50

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)
CB15 (3m)	CISPR	1GHz ~ 6GHz	V	4.48
		1GHz ~ 6GHz	H	4.50
		6GHz ~ 18GHz	V	4.30
		6GHz ~ 18GHz	H	4.14

Test Site	Method	Measurement Frequency Range	U,(dB)
CB15 (1m)	CISPR	18 ~ 26.5 GHz	4.72
		26.5 ~ 40 GHz	5.20



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	Computer	
Brand Name	ADVANTECH	
Test Model	DLT-V6210	
Series Model	DLTV6210XXXXXXXXXXXXXXX (where X may be any alphanumeric character, blank or "-".)	
Model Difference	Different model distribute to different area.	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-2A: 5250-5350MHz UNII-2C: 5470-5725MHz UNII-3: 5725-5825MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	300Mbps
Power Source	Supplied from DC power.	
Power Rating	EUT I/P: DC 9V-60V	
Output Power	Output Power (Max.)for UNII-1	802.11a: 13.62dBm 802.11n (20M): 11.35dBm 802.11n (40M): 11.45dBm
	Output Power (Max.)for UNII-2A	802.11a: 13.34dBm 802.11n (20M): 10.92dBm 802.11n (40M): 11.36dBm
	Output Power (Max.)for UNII-2C	802.11a: 13.33dBm 802.11n (20M): 11.23dBm 802.11n (40M): 11.78dBm
	Output Power (Max.)for UNII-3	802.11a: 13.27dBm 802.11n (20M): 11.24dBm 802.11n (40M): 11.56dBm

**Note:**

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

**2. Channel List:**

UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220		
48	5240		

UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270
56	5280	62	5310
60	5300		
64	5320		

UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510
104	5520	110	5550
108	5540	118	5590
112	5560	126	5630
116	5580	134	5670
132	5660		
136	5680		
140	5700		

UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755
153	5765	159	5795
157	5785		
161	5805		

### 3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	ADVANTECH	Y6AGIK7937620 0	PCB	IPEX	2.5	TX/RX
2	ADVANTECH	Y6AGIK7937620 0	PCB	IPEX	2.5	TX/RX

Note: Both Ant. 1 and Ant. 2 can be used as transmitting/receiving antenna.

### 4. Operating Mode

TX Mode	2TX
802.11a	V (ANT 1+ANT 2)
802.11n (20MHz)	V (ANT 1+ANT 2)
802.11n (40MHz)	V (ANT 1+ANT 2)

### 3.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 5	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 6	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 7	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 8	TX N20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 9	TX N40 Mode / CH102, CH110, CH134 (UNII-2C)
Mode 10	TX A Mode / CH149,CH157,CH161 (UNII-3)
Mode 11	TX N20 Mode / CH149,CH157,CH161 (UNII-3)
Mode 12	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 13	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 13	TX Mode

For Radiated Test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 5	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 6	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 7	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 8	TX N20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 9	TX N40 Mode / CH102, CH110, CH134 (UNII-2C)
Mode 10	TX A Mode / CH149,CH157,CH161 (UNII-3)
Mode 11	TX N20 Mode / CH149,CH157,CH161 (UNII-3)
Mode 12	TX N40 Mode / CH151,CH159 (UNII-3)

Note:

(1) For radiated below 1GHz test, the 802.11a mode is found to be the worst case and recorded.

### 3.3 TABLE OF PARAMETERS OF TEST 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

UNII-1			
Test Software Version	ART2_ver_4_6_136aBIN		
Frequency (MHz)	5180	5200	5240
A Mode	10.5	10.5	10.5
Frequency (MHz)	5180	5200	5240
N20 Mode	8.5	8.5	8.5
Frequency (MHz)	5190	5230	
N40 Mode	8.5	8.5	

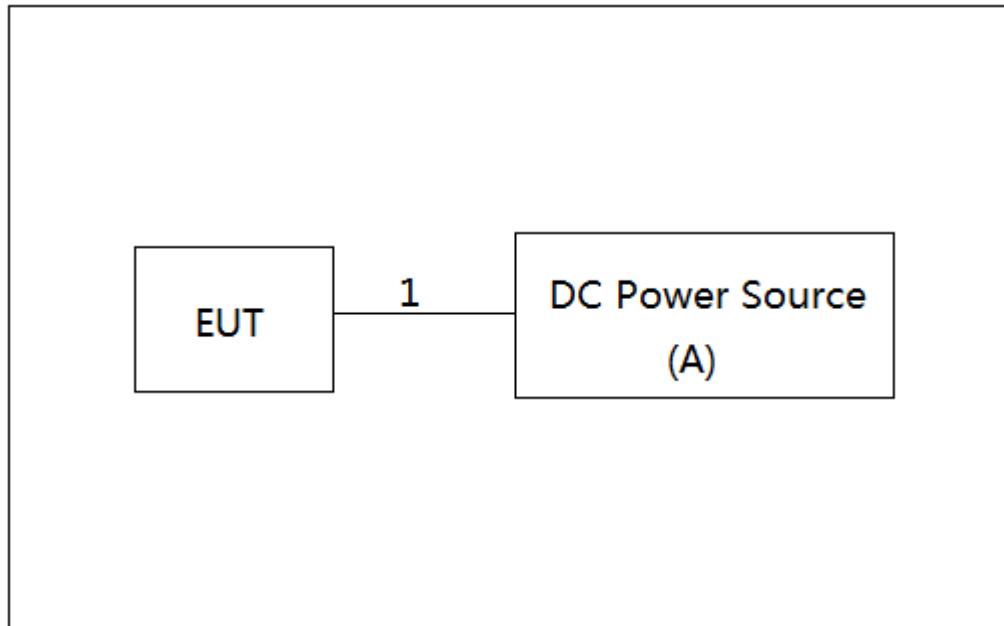
UNII-2A			
Test Software Version	ART2_ver_4_6_136aBIN		
Frequency (MHz)	5260	5300	5320
A Mode	10.5	10.5	10.5
Frequency (MHz)	5260	5300	5320
N20 Mode	8.5	8.5	8.5
Frequency (MHz)	5270	5310	
N40 Mode	8.5	8.5	

UNII-2C			
Test Software Version	ART2_ver_4_6_136aBIN		
Frequency (MHz)	5500	5580	5700
A Mode	10.5	10.5	11.5
Frequency (MHz)	5500	5580	5700
N20 Mode	8.5	8.5	8.5
Frequency (MHz)	5510	5550	5670
N40 Mode	8.5	8.5	9.5

UNII-3			
Test Software Version	ART2_ver_4_6_136aBIN		
Frequency (MHz)	5745	5785	5805
A Mode	10.5	10.5	11
Frequency (MHz)	5745	5785	5805
N20 Mode	8.5	8.5	9
Frequency (MHz)	5755	5795	
N40 Mode	9	9	



### 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	Switch Mode Power Supply	Twintex	TDS-60-15	N/A	G27120155

Item	Shielded Type	Ferrite Core	Length	Note
1	NA	NA	1.5m	Power Cable

## 4. EMC EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150kHz-30MHz)

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

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.

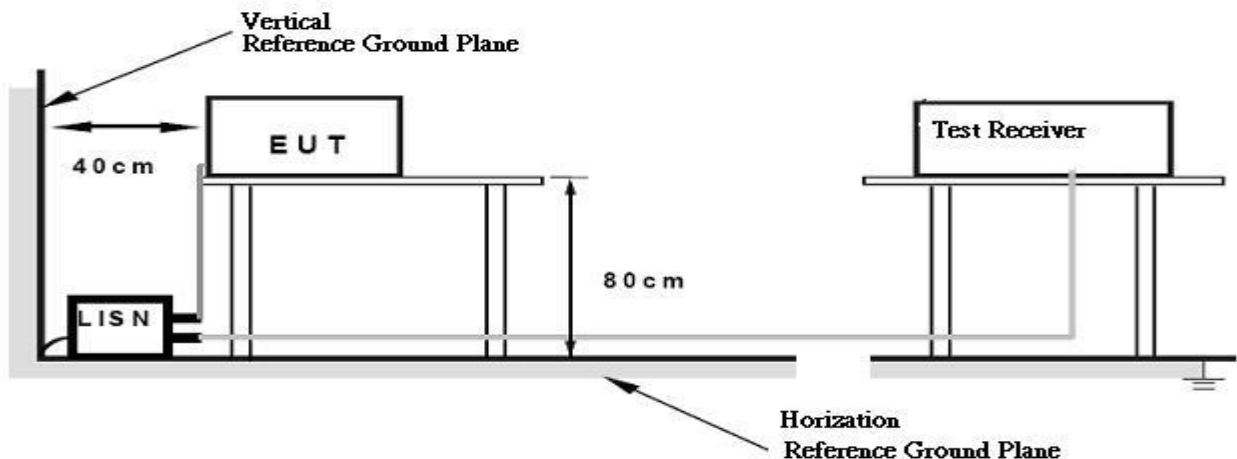
#### 4.1.2 TEST PROCEDURE

- 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



#### 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.

The EUT was programmed to be in continuously transmitting/TX Mode mode.

#### 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.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of『Note 』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a “ \* ” marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150kHz to 30MHz.

## 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.

Frequencies (MHz)	Field Strength (micorvolts/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
Above 960	500	3

### LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3
5250-5350	-27	68.3
5470-5725	-27	68.3
5725-5850	-27(Note 2)	68.3
	10(Note 2)	105.3
	15.6(Note 2)	110.9
	27(Note 2)	122.3

Note:

1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field

strength:  $E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m}$ , where P is the eirp (Watts)

2. According to FCC 16-24, All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

#### 4.2.2 TEST PROCEDURE

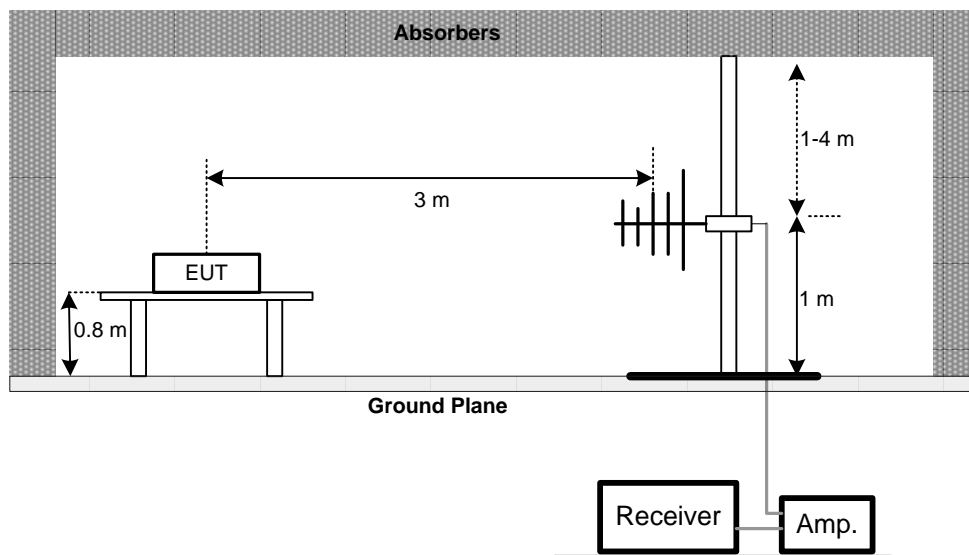
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 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 0.8m or 1.5m; 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

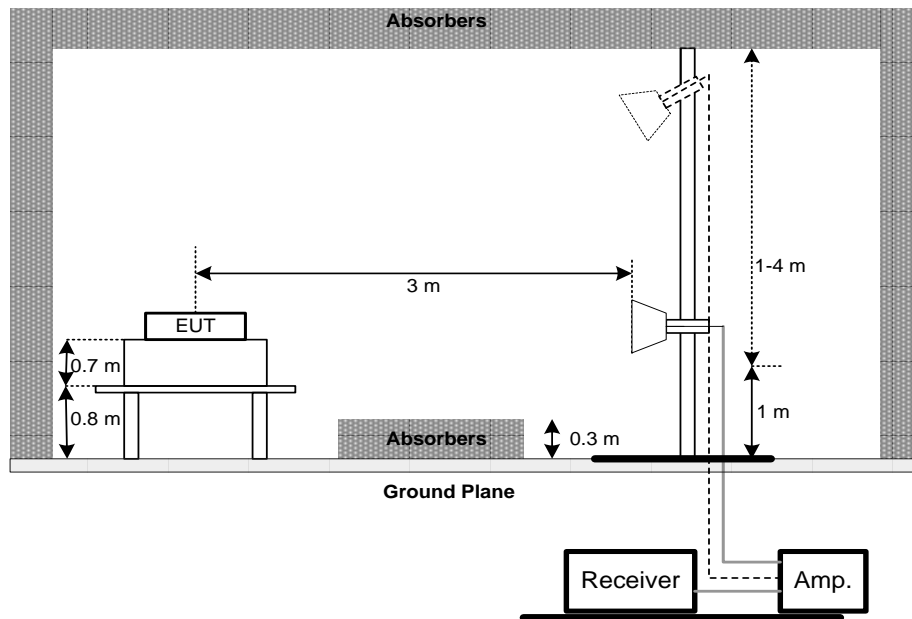
No deviation

#### 4.2.4 TEST SETUP

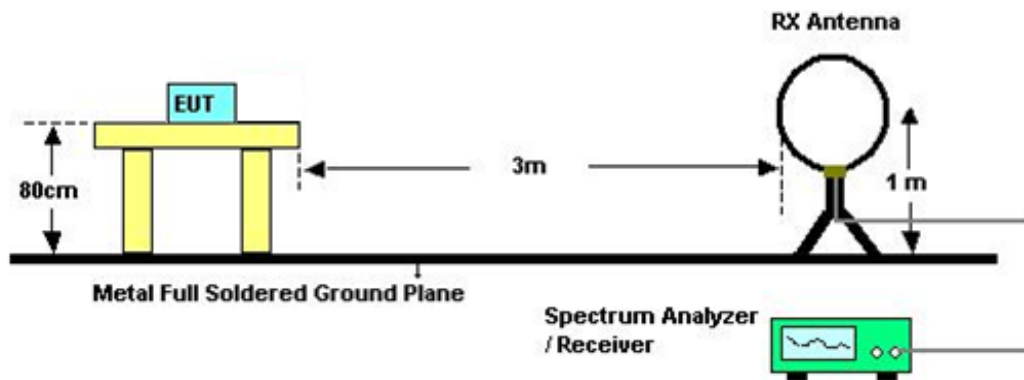
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



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



**(C) Radiated emissions below 30MHz**



**4.2.5 EUT OPERATING CONDITIONS**

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

**4.2.6 EUT TEST CONDITIONS**

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

#### **4.2.7 TEST RESULTS (9K 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 30 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. 26dB SPECTRUM BANDWIDTH

### 5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Bandwidth	26 dB Bandwidth	5150-5250	PASS
	26 dB Bandwidth	5250-5350	PASS
	26 dB Bandwidth	5470-5725	PASS
	Minimum 500kHz 6dB Bandwidth	5725-5850	PASS

#### 5.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz
VBW	1MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- c. Measured the spectrum width with power higher than 26dB below carrier

#### 5.1.2 DEVIATION FROM STANDARD

No deviation.

#### 5.1.3 TEST SETUP



#### 5.1.4 EUT OPERATION CONDITIONS

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



### 5.1.5 EUT TEST CONDITIONS

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

### 5.1.6 TEST RESULTS

Please refer to the Attachment E.

## 6. MAXIMUM CONDUCTED OUTPUT POWER

### 6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Conducted Output Power	Fixed:1 Watt (30dBm) Client: 250mW (24dBm)	5150-5250	PASS
	250mW (24dBm)	5250-5350	PASS
	250mW (24dBm)	5470-5725	PASS
	1 Watt (30dBm)	5725-5850	PASS
Note: The maximum e.i.r.p at anyelevation angle above 30 degrees as measured from the horizon must not exceed 125mW(21dBm)			

#### 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,
- 

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

- Test was performed in accordance with method of KDB 789033 D02.

#### 6.1.2 DEVIATION FROM STANDARD

No deviation.

#### 6.1.3 TEST SETUP



#### 6.1.4 EUT OPERATION CONDITIONS

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

#### 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. POWER SPECTRAL DENSITY TEST

### 7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	Other then Client: 17dBm/MHz Client: 11dBm/MHz	5150-5250	PASS
	11dBm/MHz	5250-5350	PASS
	11dBm/MHz	5470-5725	PASS
	30dBm/500kHz	5725-5850	PASS

#### 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 Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

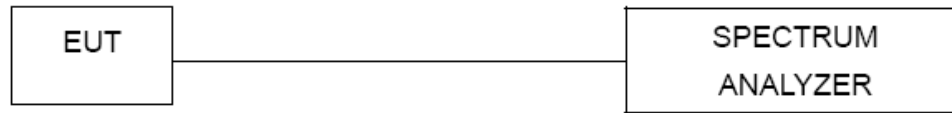
Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01r02, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
- The value measured with RBW=1MHz is to be added with  $10\log(500\text{kHz}/1\text{MHz})$  which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

#### 7.1.2 DEVIATION FROM STANDARD

No deviation.

#### 7.1.3 TEST SETUP



#### 7.1.4 EUT OPERATION CONDITIONS

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

#### 7.1.5 EUT TEST CONDITIONS

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

#### 7.1.6 TEST RESULTS

Please refer to the Attachment G.

## 8. FREQUENCY STABILITY MEASUREMENT

### 8.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Frequency Stability	Specified in the user's manual	5150-5250	PASS
		5250-5350	PASS
		5470-5725	PASS
		5725-5850	PASS

#### 8.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

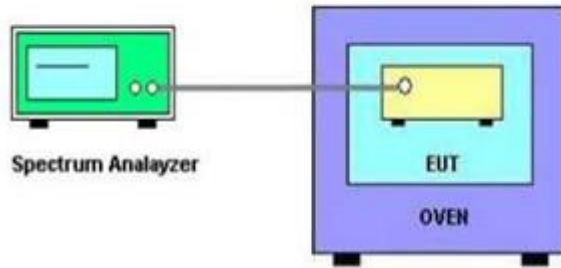
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

- c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- d. User manual temperature is -30°C~50°C.

#### 8.1.2 DEVIATION FROM STANDARD

No deviation.

### 8.1.3 TEST SETUP



### 8.1.4 EUT OPERATION CONDITIONS

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

### 8.1.5 EUT TEST CONDITIONS

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

### 8.1.6 TEST RESULTS

Please refer to the Attachment H.

## 9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TWO-LINE V-NETWORK	R&S	ENV216	101050	Jan. 26, 2017
2	Test Cable	TIMES	CFD300-NL	C02	Jun. 15, 2017
3	EMI Test Receiver	R&S	ESR7	101433	Dec. 10, 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	Preamplifier	EMCI	012645B	980267	Mar. 01, 2017
2	Preamplifier	EMCI	EMC02325	980217	Dec. 30, 2016
3	Test Cable	EMCI	EMC104-SM-S M-8000	8m	Jan. 05, 2017
4	Test Cable	EMCI	EMC104-SM-S M-800	150207	Jan. 05, 2017
5	Test Cable	EMCI	EEMC104-SM-S M-3000	151205	Jan. 05, 2017
6	MXE EMI Receiver	Agilent	N9038A	MY55420127	Jan. 08, 2017
7	Signal Analyzer	Agilent	N9010A	MY52220990	Feb. 23, 2017
8	Loop Ant	EMCO	6502	42960	Nov. 24, 2017
9	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	Mar. 01, 2017
10	Horn Ant	Schwarzbeck	BBHA 9170	187	May 12, 2017
11	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-548	Jan. 17, 2017
12	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0623	Jan. 17, 2017



Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY51160196	Jul. 27, 2017

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2495A	1128008	Aug. 17, 2017
2	Power Sensor	Anritsu	MA2411B	1126001	Aug. 17, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	N9020A	MY51160196	Jul. 27, 2017

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 17, 2017
2	Thermal Chamber	HOLINK	CHOLINK/H-T-1F-D	BA03101701	Jun. 08, 2016

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

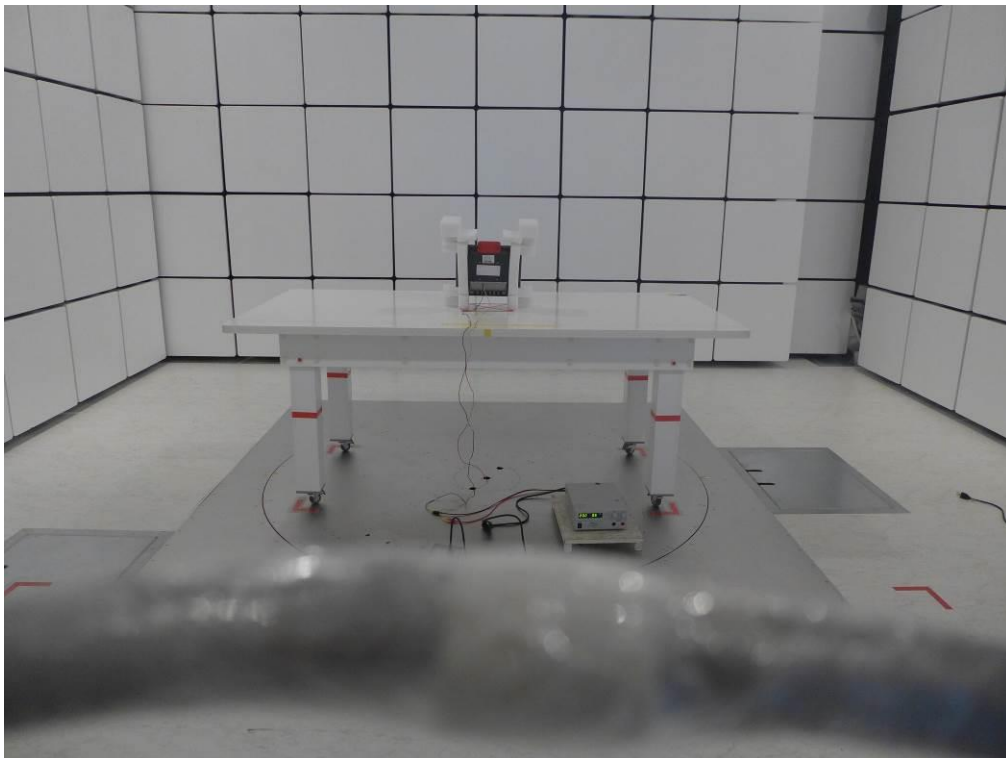
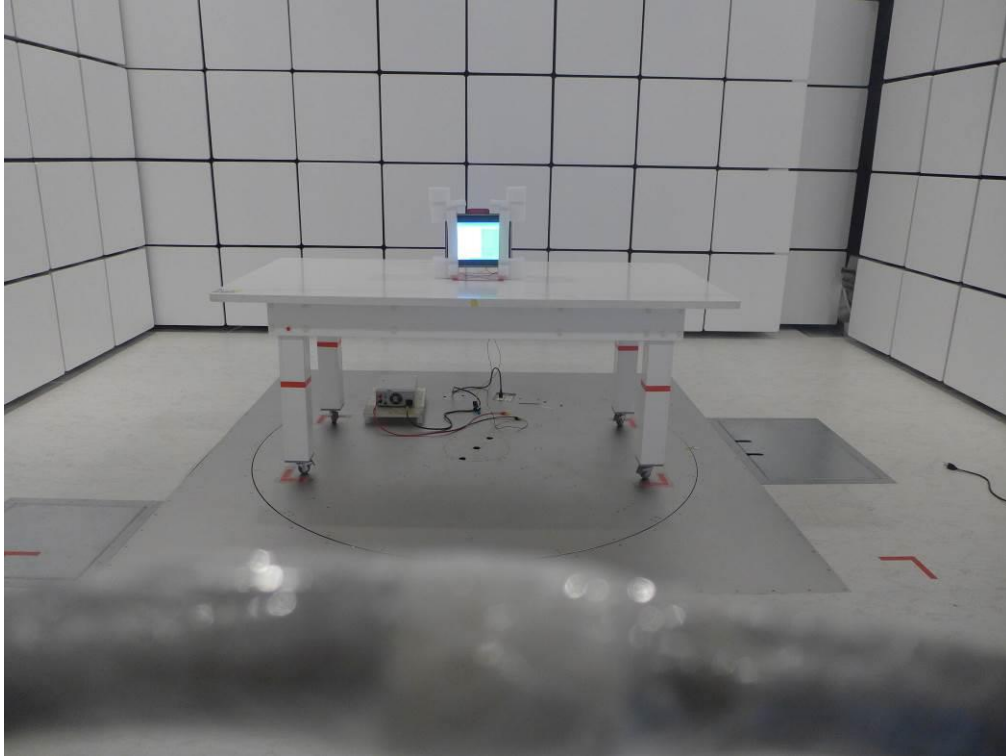
## 10. EUT TEST PHOTOS

### Conducted Measurement Photos



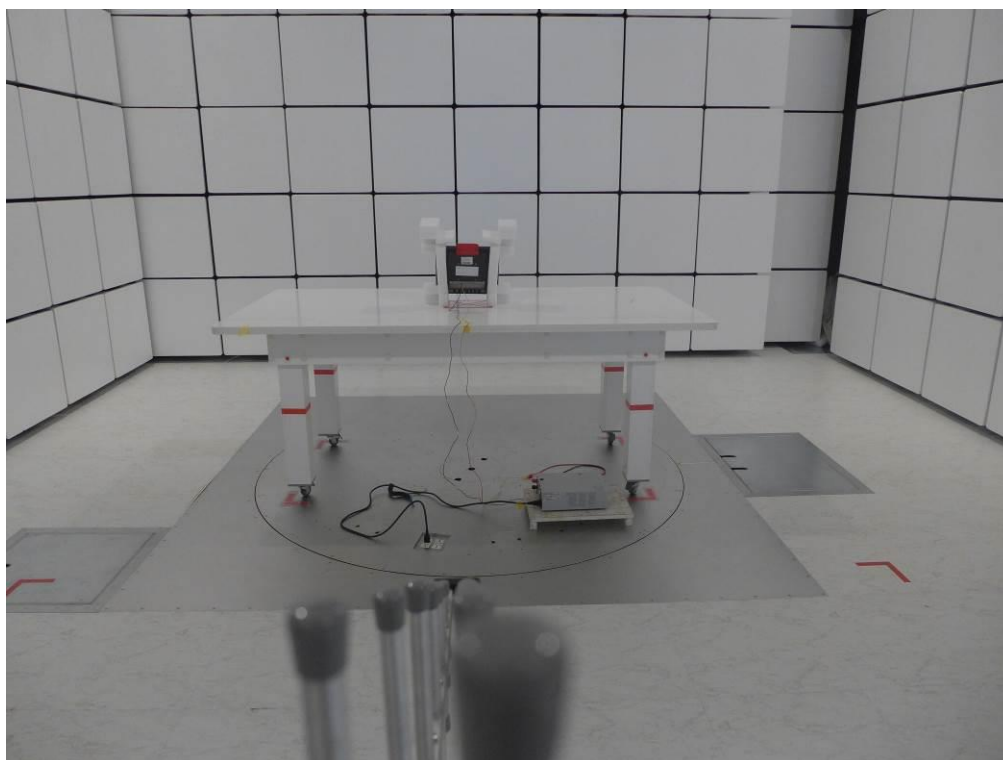
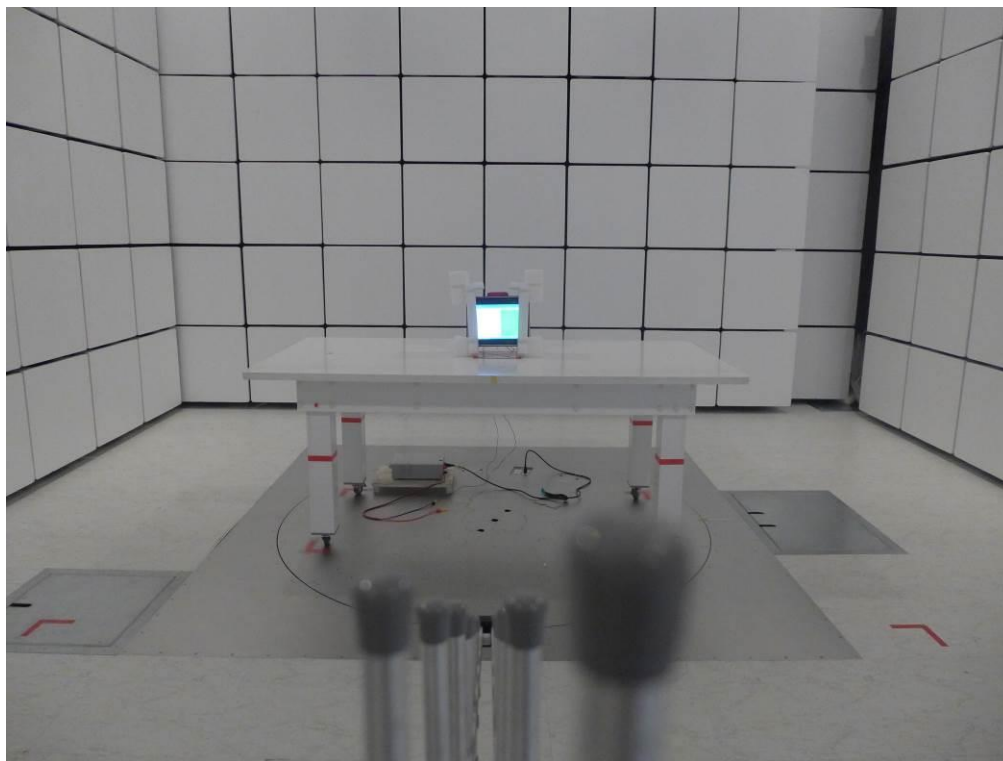
## Radiated Measurement Photos

9kHz to 30MHz



## Radiated Measurement Photos

30MHz to 1000MHz



## Radiated Measurement Photos

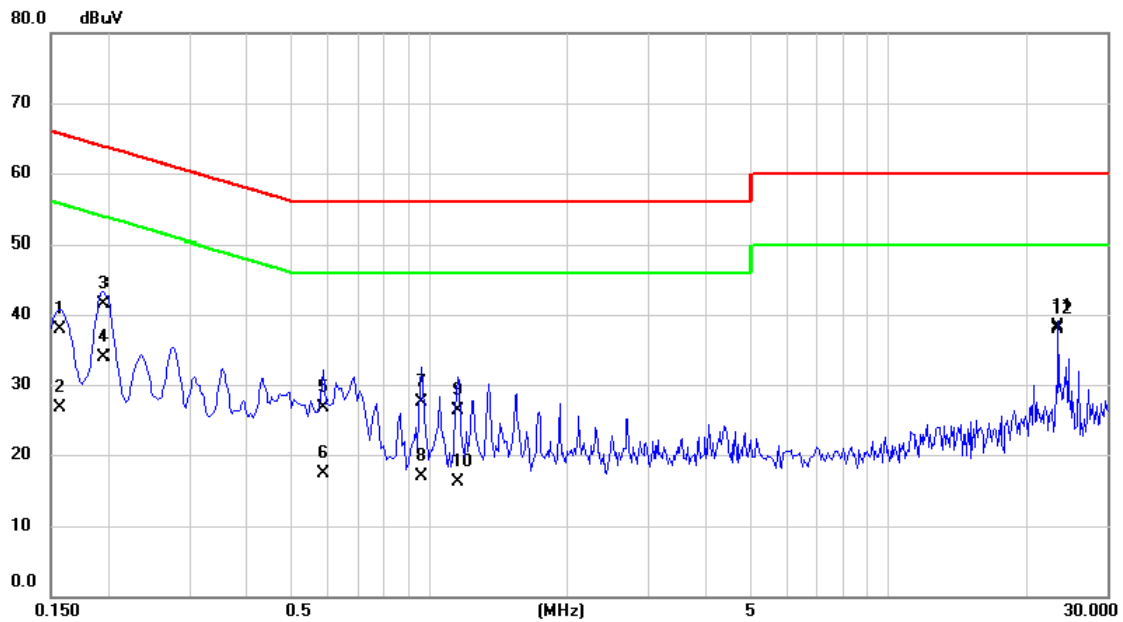
### Above 1000MHz



## ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX Mode

# Line



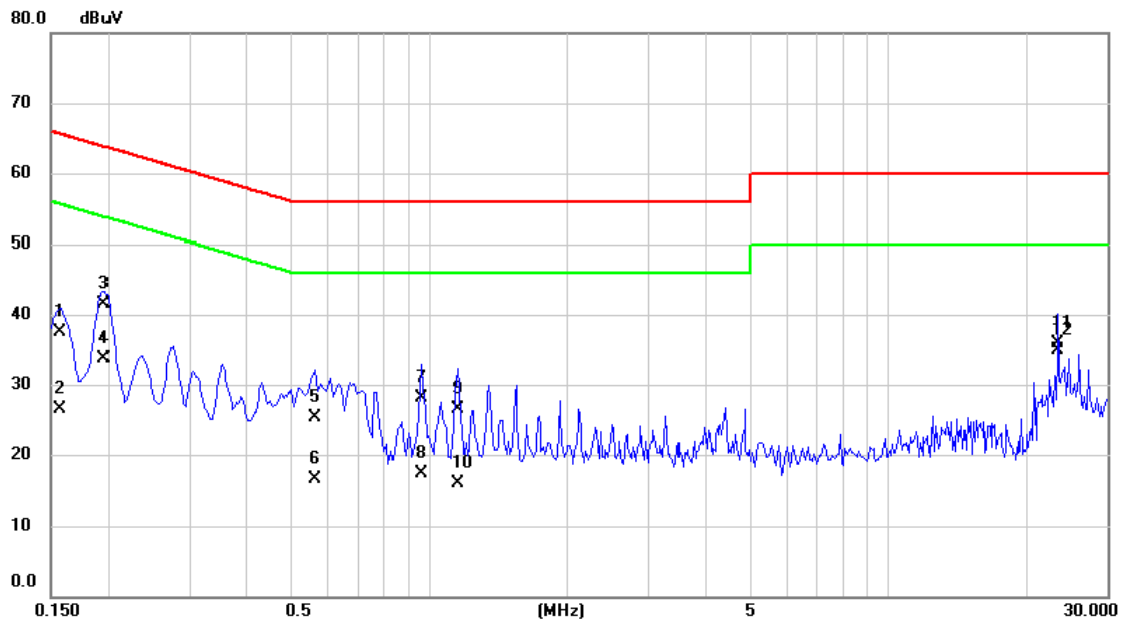
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1570	28.20	9.66	37.86	65.62	-27.76	QP	
2		0.1570	17.10	9.66	26.76	55.62	-28.86	AVG	
3		0.1955	31.80	9.66	41.46	63.80	-22.34	QP	
4		0.1955	24.30	9.66	33.96	53.80	-19.84	AVG	
5		0.5900	17.10	9.67	26.77	56.00	-29.23	QP	
6		0.5900	7.70	9.67	17.37	46.00	-28.63	AVG	
7		0.9590	17.80	9.67	27.47	56.00	-28.53	QP	
8		0.9590	7.30	9.67	16.97	46.00	-29.03	AVG	
9		1.1480	16.70	9.68	26.38	56.00	-29.62	QP	
10		1.1480	6.40	9.68	16.08	46.00	-29.92	AVG	
11		23.3500	28.40	9.98	38.38	60.00	-21.62	QP	
12	*	23.3500	28.00	9.98	37.98	50.00	-12.02	AVG	

Note : The test result has included the cable loss.



Test Mode: TX Mode

### Neutral



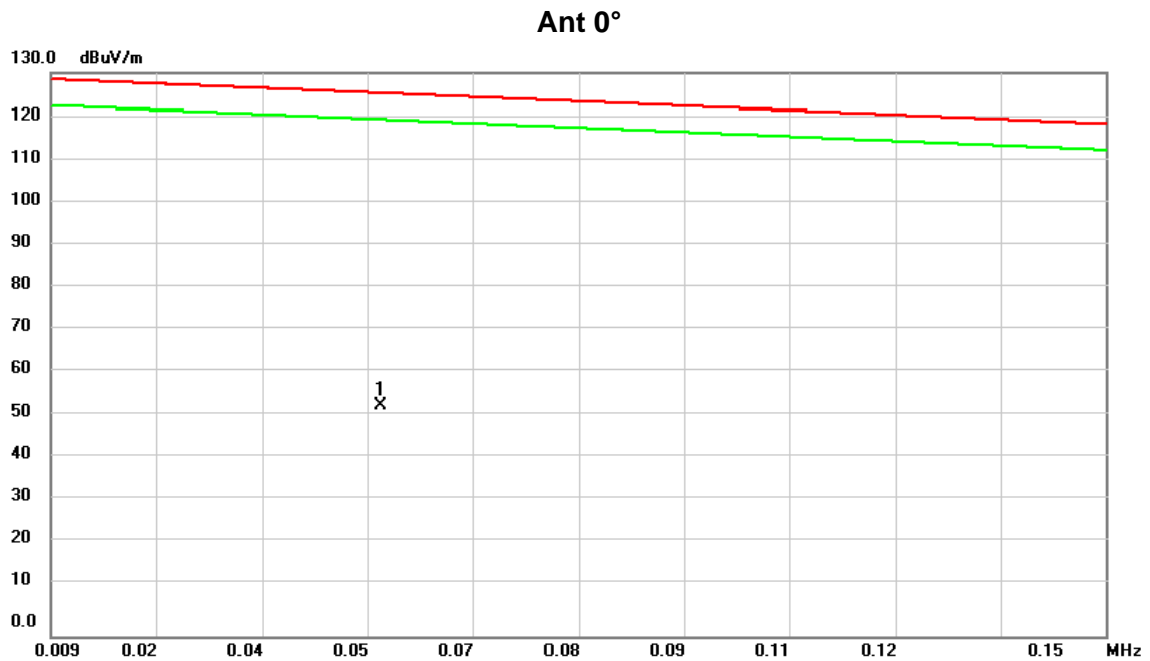
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1570	27.90	9.67	37.57	65.62	-28.05	QP	
2		0.1570	16.80	9.67	26.47	55.62	-29.15	AVG	
3		0.1955	31.80	9.66	41.46	63.80	-22.34	QP	
4		0.1955	24.00	9.66	33.66	53.80	-20.14	AVG	
5		0.5630	15.60	9.67	25.27	56.00	-30.73	QP	
6		0.5630	6.80	9.67	16.47	46.00	-29.53	AVG	
7		0.9590	18.50	9.68	28.18	56.00	-27.82	QP	
8		0.9590	7.70	9.68	17.38	46.00	-28.62	AVG	
9		1.1480	16.80	9.69	26.49	56.00	-29.51	QP	
10		1.1480	6.20	9.69	15.89	46.00	-30.11	AVG	
11		23.3500	26.00	9.98	35.98	60.00	-24.02	QP	
12	*	23.3500	25.00	9.98	34.98	50.00	-15.02	AVG	

Note : The test result has included the cable loss.



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

Test Mode:	TX Mode
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0530	40.57	12.95	53.52	125.34	-71.82	peak	

Test Mode: TX Mode

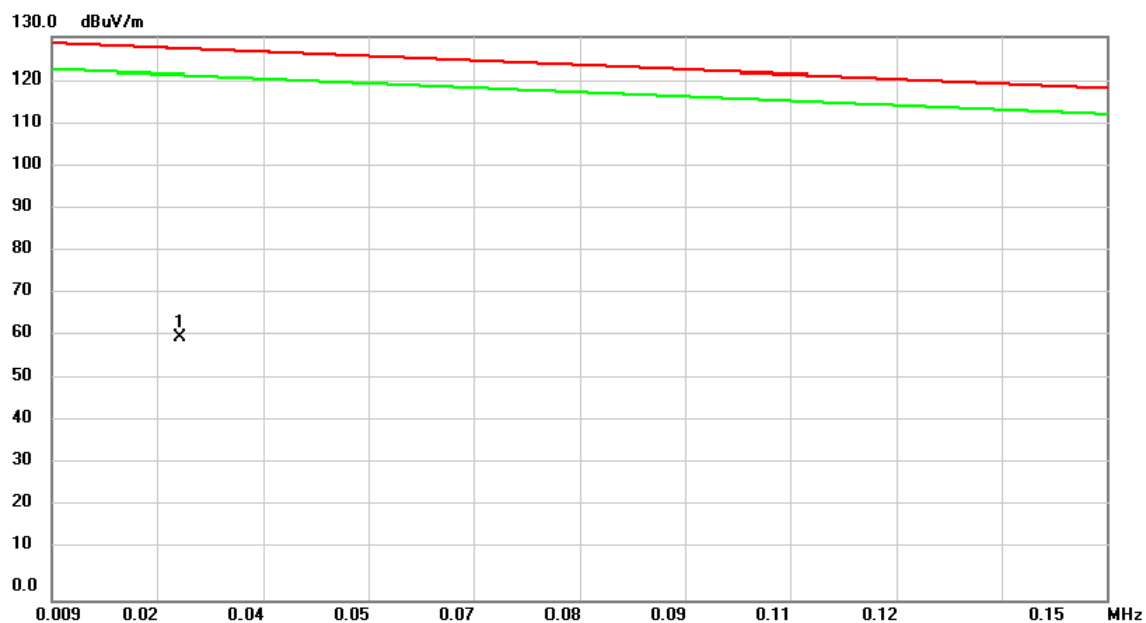
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.9261	30.79	11.97	42.76	69.91	-27.15	peak	
2		4.3290	18.38	11.30	29.68	69.54	-39.86	peak	
3		7.9706	13.82	11.34	25.16	69.54	-44.38	peak	
4		11.1942	12.82	11.26	24.08	69.54	-45.46	peak	
5		11.7911	12.65	11.25	23.90	69.54	-45.64	peak	
6		16.1794	11.63	11.11	22.74	69.54	-46.80	peak	

Test Mode: TX Mode

Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	0.0262	44.44	16.04	60.48	127.28	-66.80	peak

Test Mode: TX Mode

Ant 90°

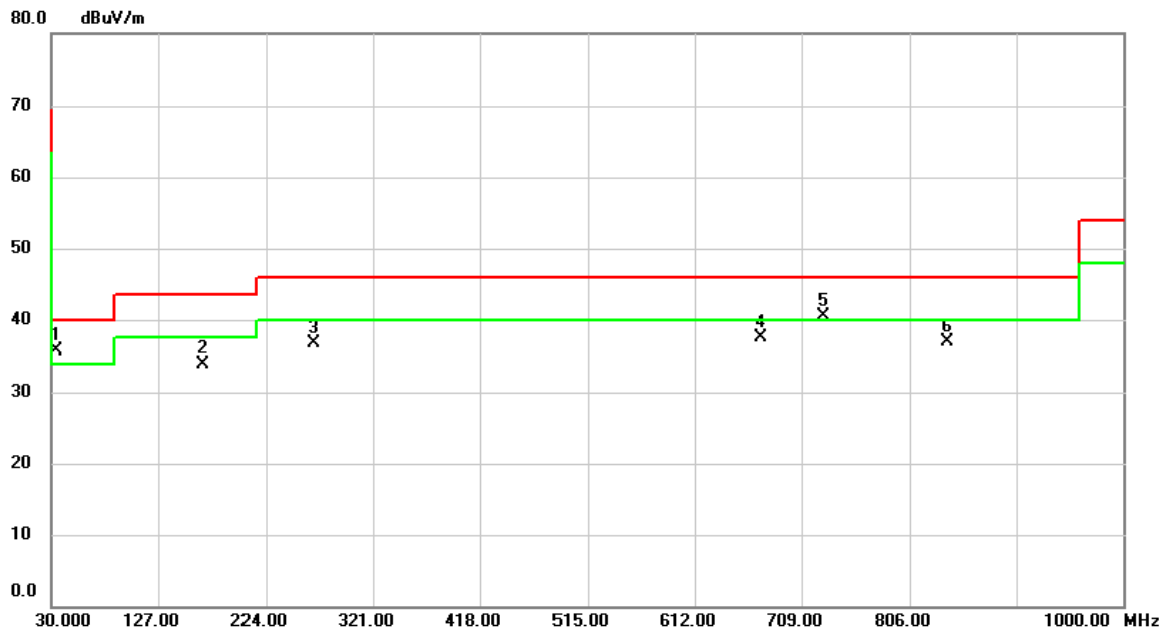


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	47.16	12.03	59.19	118.34	-59.15	peak	
2	*	0.9261	31.48	11.97	43.45	69.91	-26.46	peak	
3		2.2395	24.62	11.44	36.06	69.54	-33.48	peak	
4		5.2842	16.97	11.39	28.36	69.54	-41.18	peak	
5		9.5228	13.44	11.31	24.75	69.54	-44.79	peak	
6		12.1493	12.61	11.24	23.85	69.54	-45.69	peak	

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

Test Mode: UNII-1/TX Mode

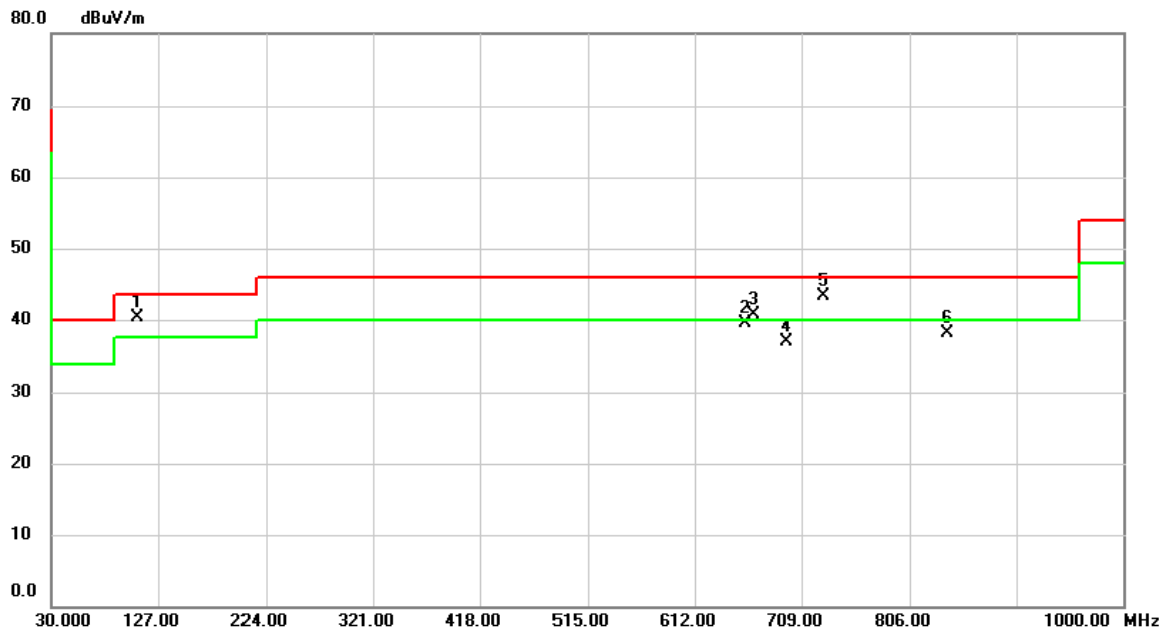
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	33.8800	44.69	-9.08	35.61	40.00	-4.39	peak	
2		167.7400	42.95	-9.02	33.93	43.50	-9.57	peak	
3		266.6800	45.50	-8.78	36.72	46.00	-9.28	peak	
4		672.1400	37.29	0.25	37.54	46.00	-8.46	peak	
5	!	728.4000	39.11	1.44	40.55	46.00	-5.45	peak	
6		839.9500	33.92	2.98	36.90	46.00	-9.10	peak	

Test Mode: UNII-1/TX Mode

### Horizontal

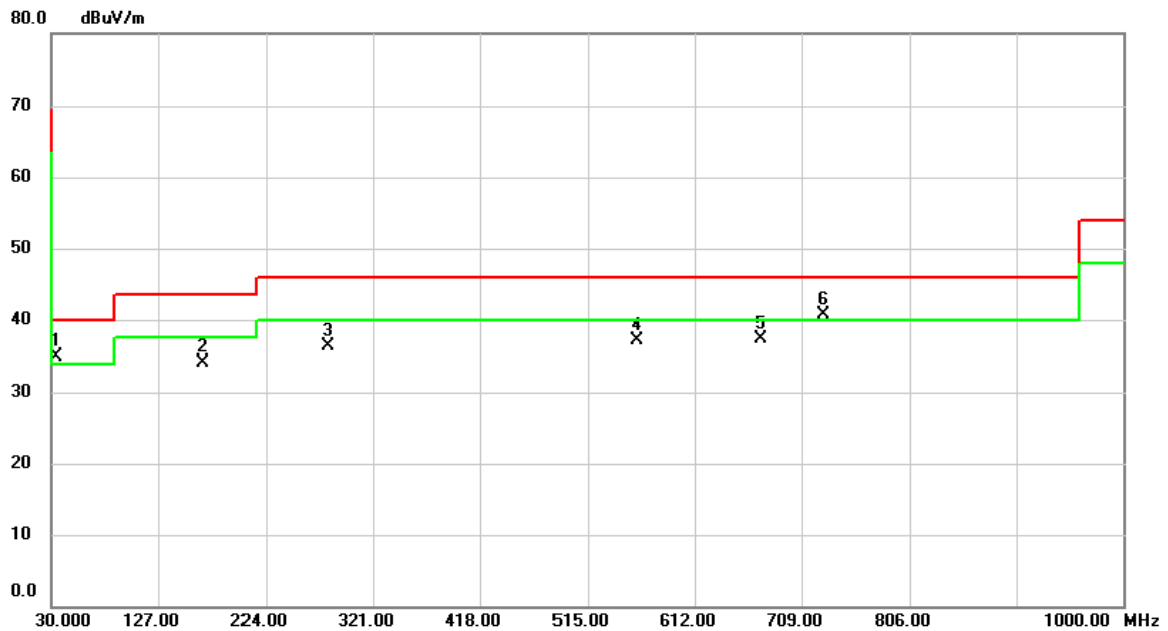


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	!	107.6000	51.99	-11.66	40.33	43.50	-3.17	peak	
2		657.5900	39.62	-0.06	39.56	46.00	-6.44	peak	
3	!	665.3500	40.54	0.11	40.65	46.00	-5.35	peak	
4		695.4200	36.22	0.76	36.98	46.00	-9.02	peak	
5	*	728.4000	41.86	1.44	43.30	46.00	-2.70	peak	
6		839.9500	35.12	2.98	38.10	46.00	-7.90	peak	



Test Mode: UNII-2A/TX Mode

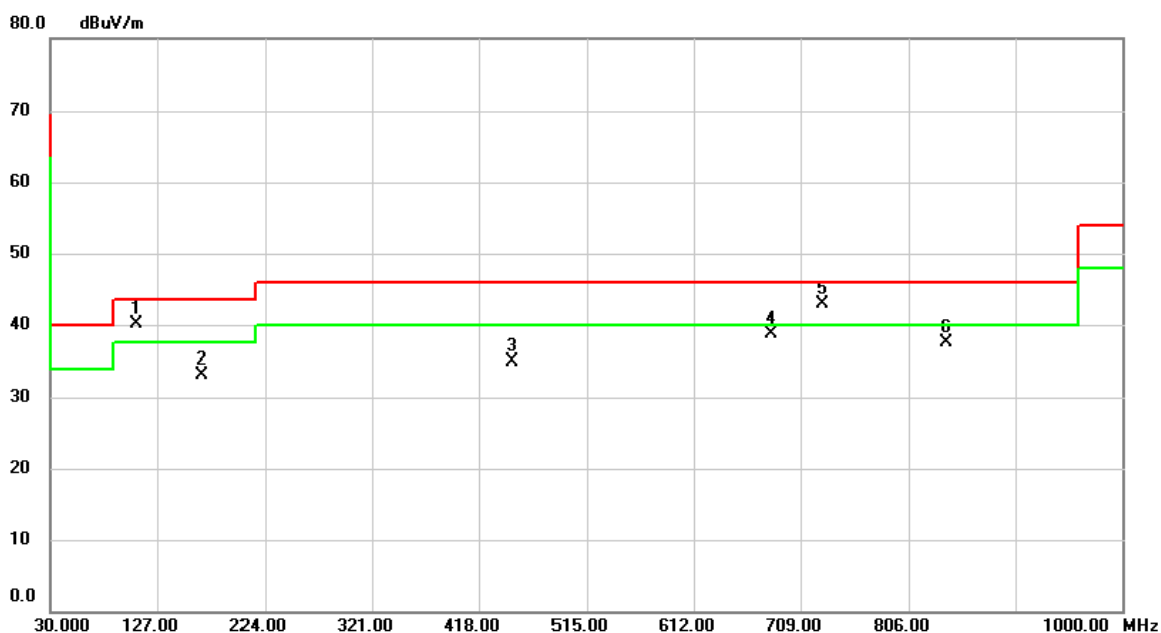
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	33.8800	44.08	-9.08	35.00	40.00	-5.00	peak	
2		167.7400	43.22	-9.02	34.20	43.50	-9.30	peak	
3		280.2600	44.56	-8.22	36.34	46.00	-9.66	peak	
4		559.6200	38.85	-1.67	37.18	46.00	-8.82	peak	
5		672.1400	37.09	0.25	37.34	46.00	-8.66	peak	
6	!	728.4000	39.33	1.44	40.77	46.00	-5.23	peak	

Test Mode: UNII-2A/TX Mode

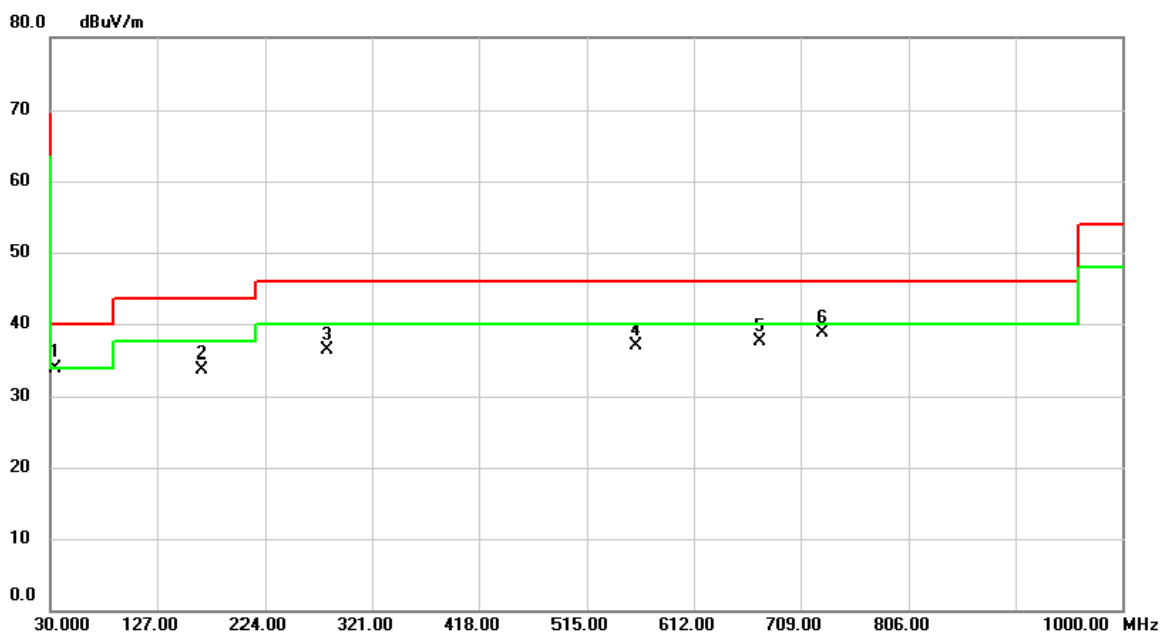
# Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	!	107.6000	51.68	-11.66	40.02	43.50	-3.48	peak	
2		167.7400	42.21	-9.02	33.19	43.50	-10.31	peak	
3		448.0700	38.72	-3.91	34.81	46.00	-11.19	peak	
4		682.8100	38.15	0.49	38.64	46.00	-7.36	peak	
5	*	728.4000	41.47	1.44	42.91	46.00	-3.09	peak	
6		839.9500	34.53	2.98	37.51	46.00	-8.49	peak	

Test Mode: UNII-2C/TX Mode

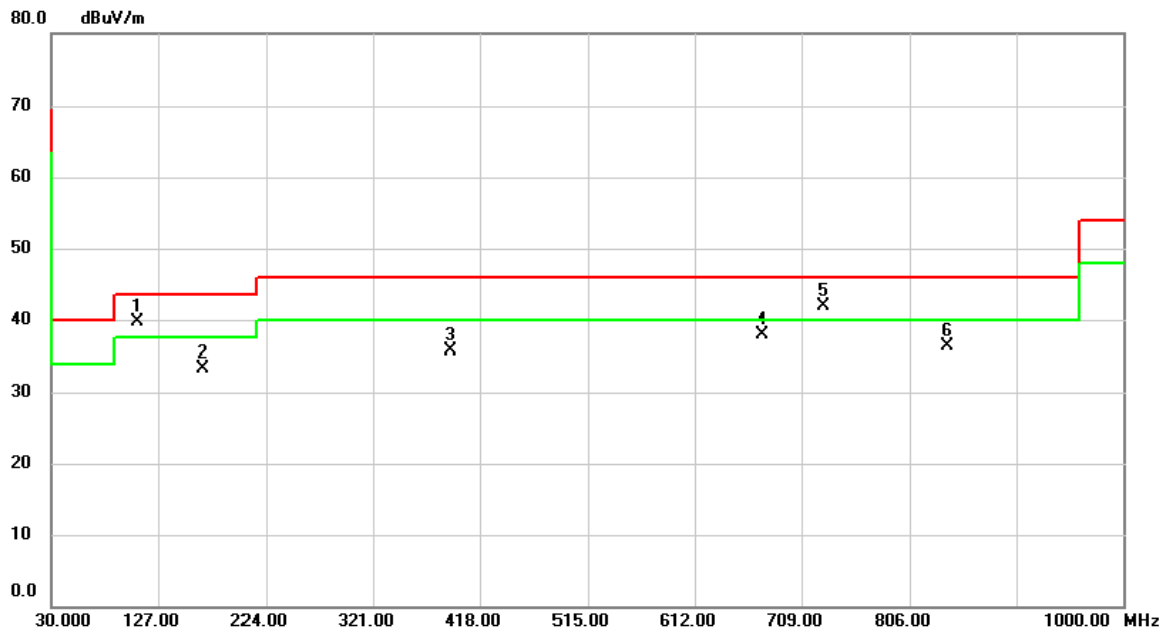
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	33.8800	43.04	-9.08	33.96	40.00	-6.04	peak	
2		167.7400	42.64	-9.02	33.62	43.50	-9.88	peak	
3		280.2600	44.54	-8.22	36.32	46.00	-9.68	peak	
4		559.6200	38.67	-1.67	37.00	46.00	-9.00	peak	
5		672.1400	37.28	0.25	37.53	46.00	-8.47	peak	
6		728.4000	37.20	1.44	38.64	46.00	-7.36	peak	

Test Mode: UNII-2C/TX Mode

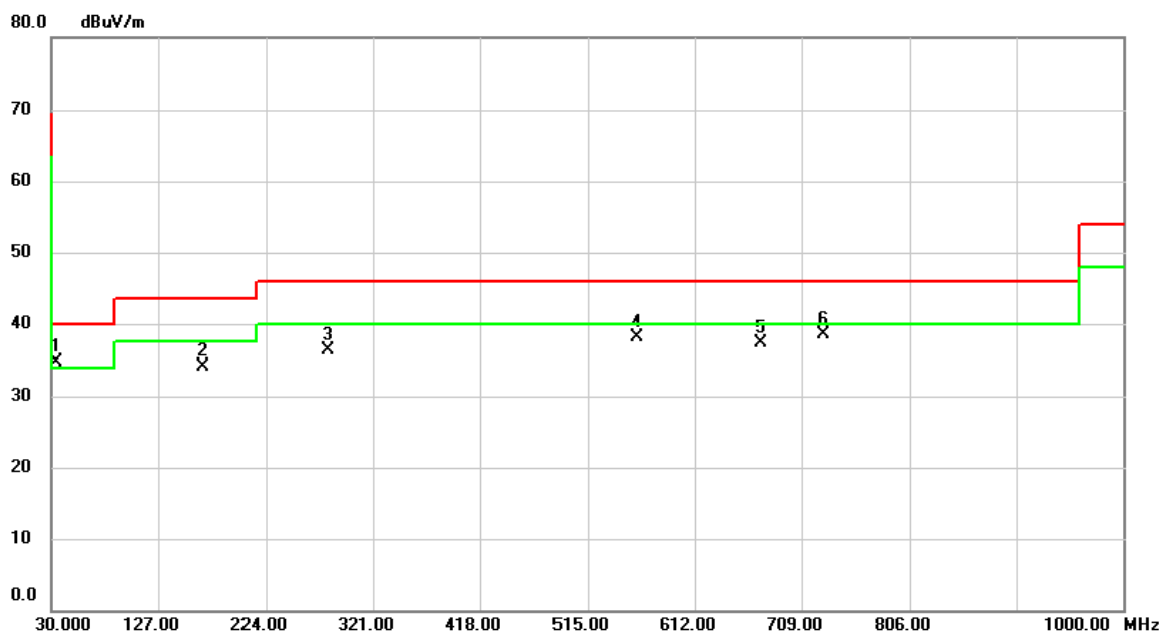
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	108.5700	51.23	-11.50	39.73	43.50	-3.77	peak	
2		167.7400	42.29	-9.02	33.27	43.50	-10.23	peak	
3		391.8100	41.11	-5.41	35.70	46.00	-10.30	peak	
4		673.1100	37.62	0.28	37.90	46.00	-8.10	peak	
5	!	728.4000	40.56	1.44	42.00	46.00	-4.00	peak	
6		839.9500	33.32	2.98	36.30	46.00	-9.70	peak	

Test Mode: UNII-3/TX Mode

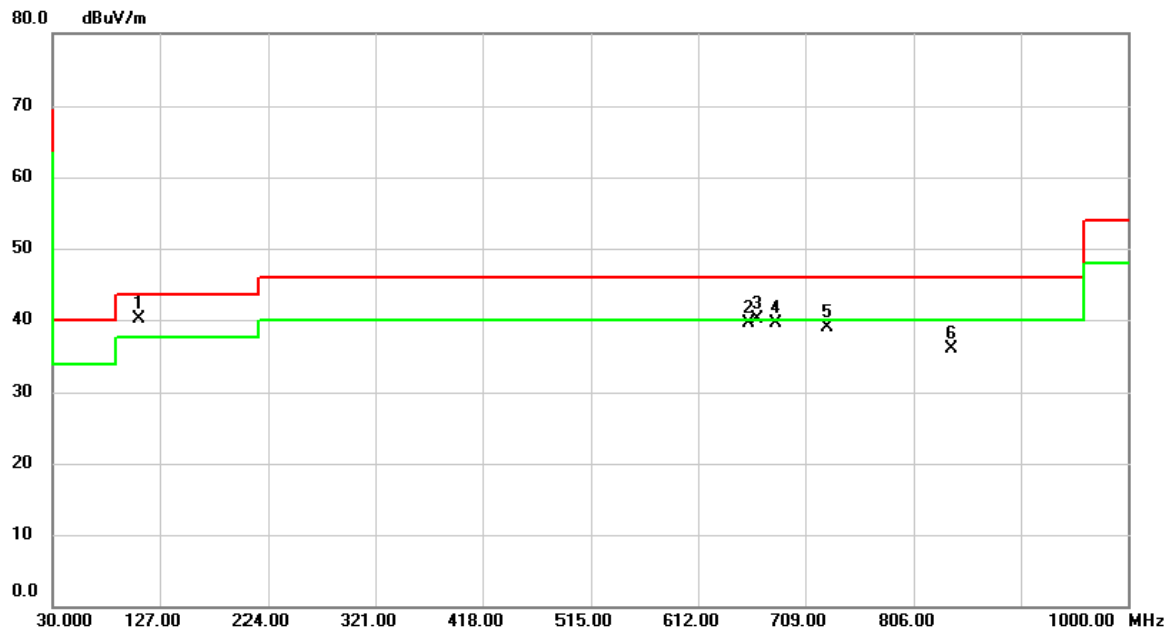
# Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	33.8800	43.88	-9.08	34.80	40.00	-5.20	peak	
2		167.7400	43.11	-9.02	34.09	43.50	-9.41	peak	
3		280.2600	44.56	-8.22	36.34	46.00	-9.66	peak	
4		559.6200	39.79	-1.67	38.12	46.00	-7.88	peak	
5		672.1400	36.96	0.25	37.21	46.00	-8.79	peak	
6		728.4000	37.08	1.44	38.52	46.00	-7.48	peak	

Test Mode: UNII-3/TX Mode

### Horizontal

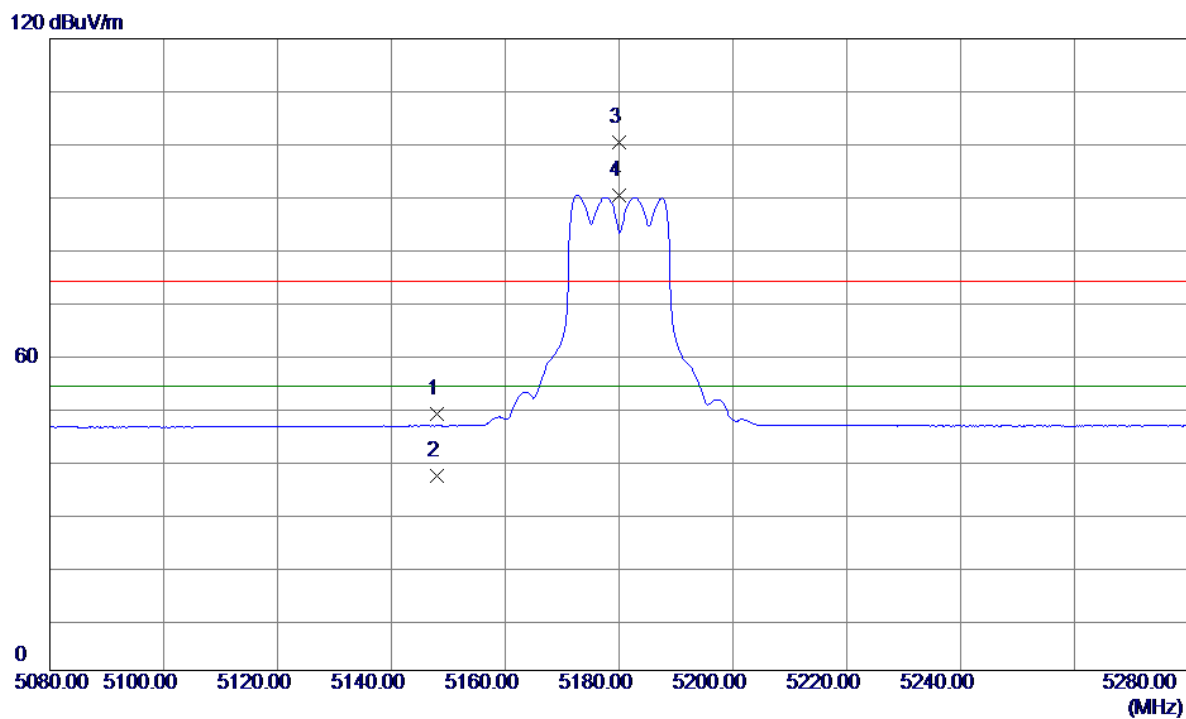


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	107.6000	51.86	-11.66	40.20	43.50	-3.30	peak	
2		657.5900	39.48	-0.06	39.42	46.00	-6.58	peak	
3	!	665.3500	40.00	0.11	40.11	46.00	-5.89	peak	
4		682.8100	39.01	0.49	39.50	46.00	-6.50	peak	
5		728.4000	37.56	1.44	39.00	46.00	-7.00	peak	
6		839.9500	32.89	2.98	35.87	46.00	-10.13	peak	

## ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5180MHz

### Vertical

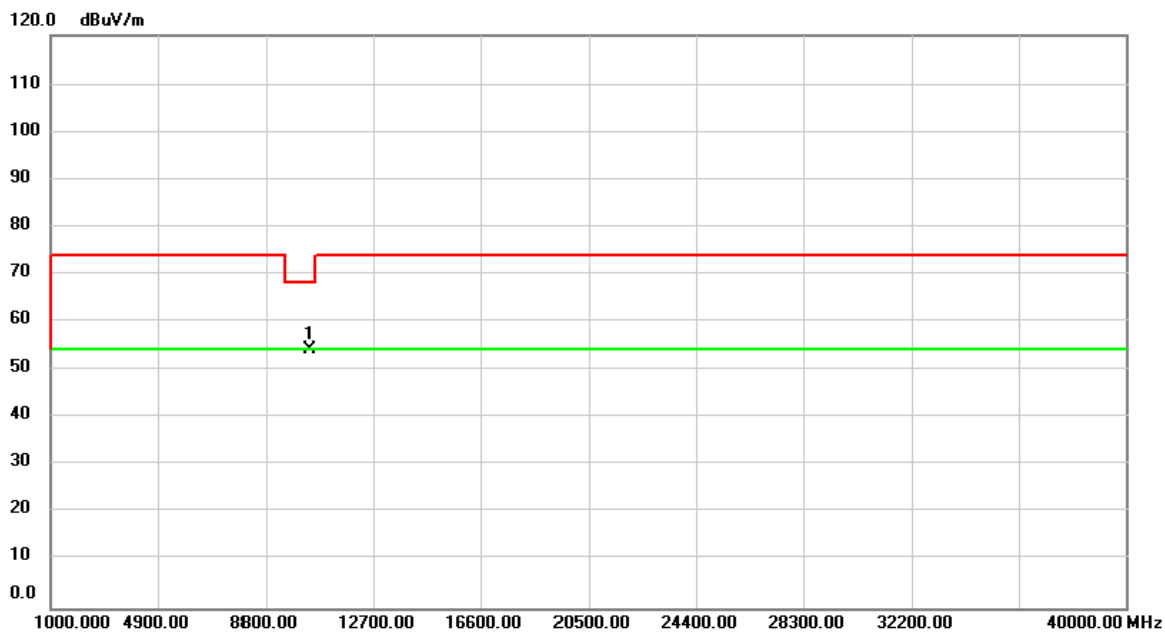


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5148.0400	11.28	37.47	48.75	74.00	-25.25	Peak	
2	5148.0400	-0.46	37.47	37.01	54.00	-16.99	AVG	
3	5180.0000	62.77	37.51	100.28	74.00	26.28	Peak	No Limit
4 *	5180.0000	52.79	37.51	90.30	54.00	36.30	AVG	No Limit



Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5180MHz

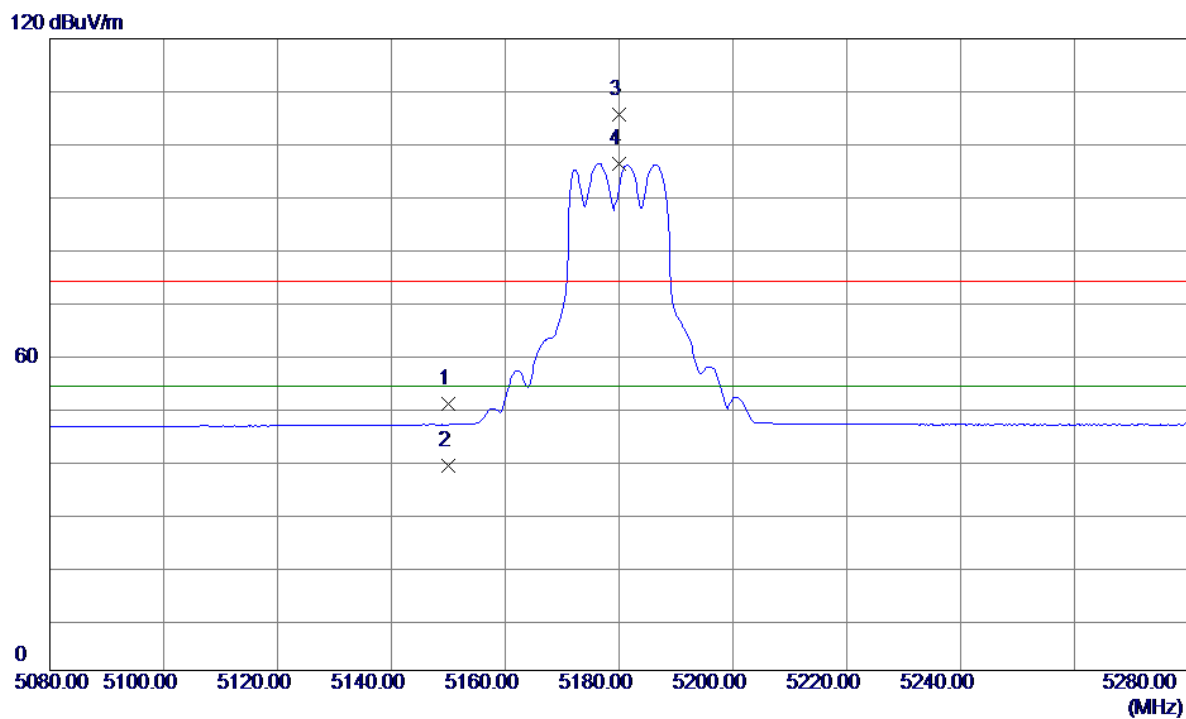
**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	52.19	1.85	54.04	68.20	-14.16	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5180MHz

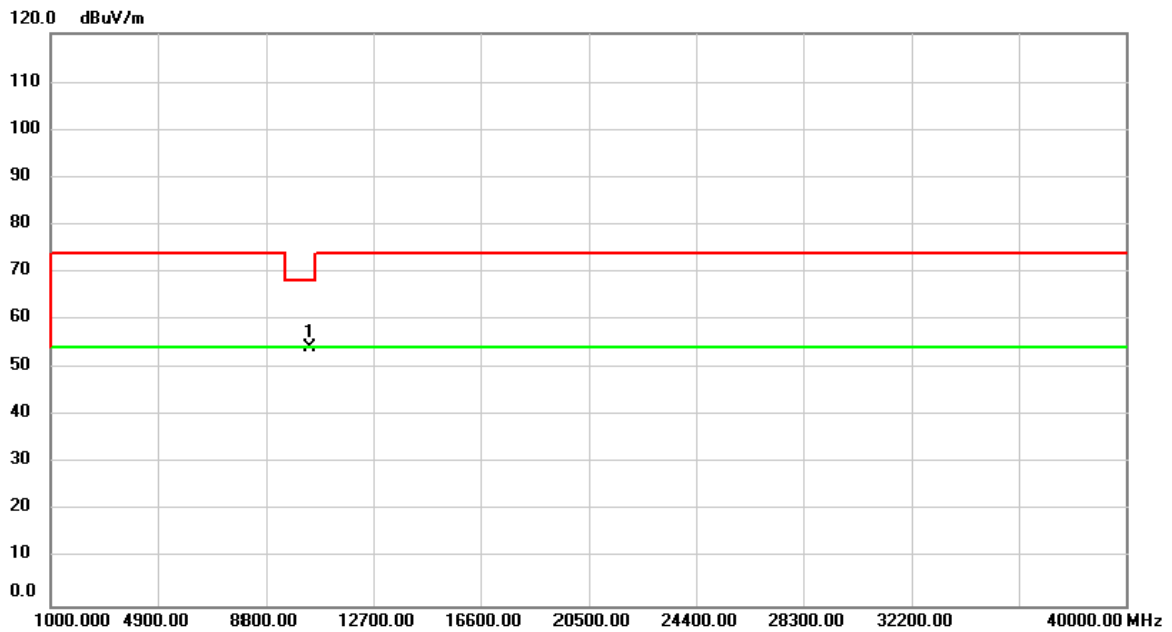
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	13.08	37.47	50.55	74.00	-23.45	Peak	
2	5150.0000	1.32	37.47	38.79	54.00	-15.21	AVG	
3	5180.0000	68.05	37.51	105.56	74.00	31.56	Peak	No Limit
4 *	5180.0000	58.74	37.51	96.25	54.00	42.25	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5180MHz

### Horizontal

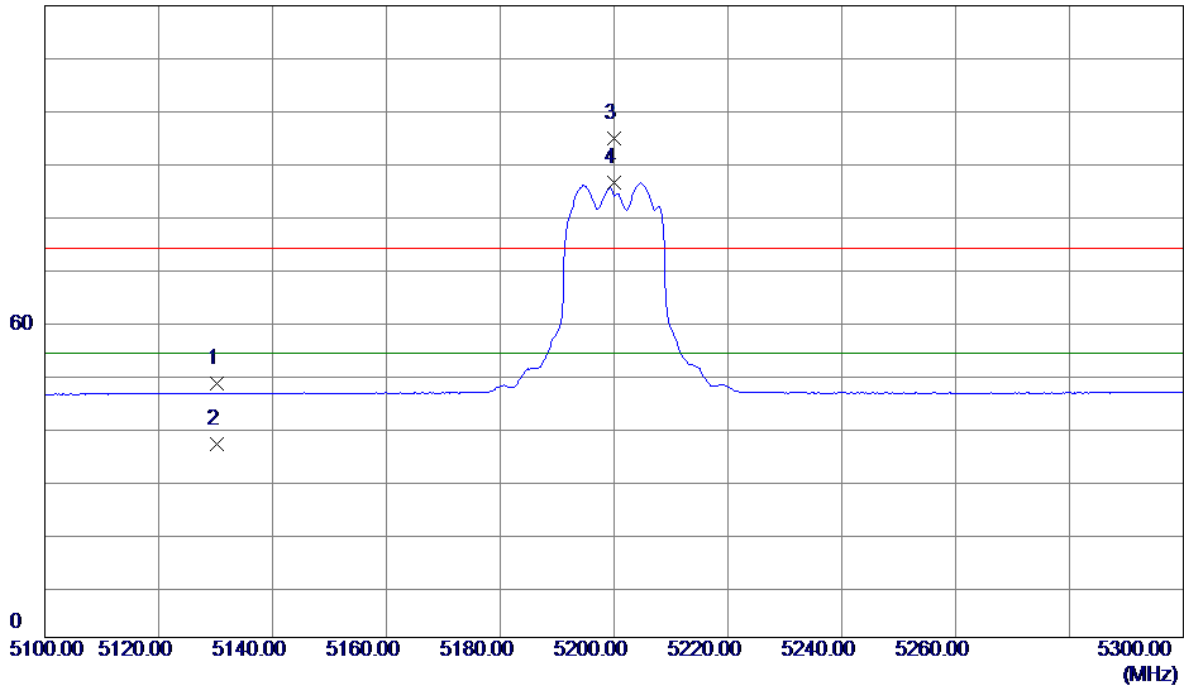


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	52.38	1.85	54.23	68.20	-13.97	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5200MHz

### Vertical

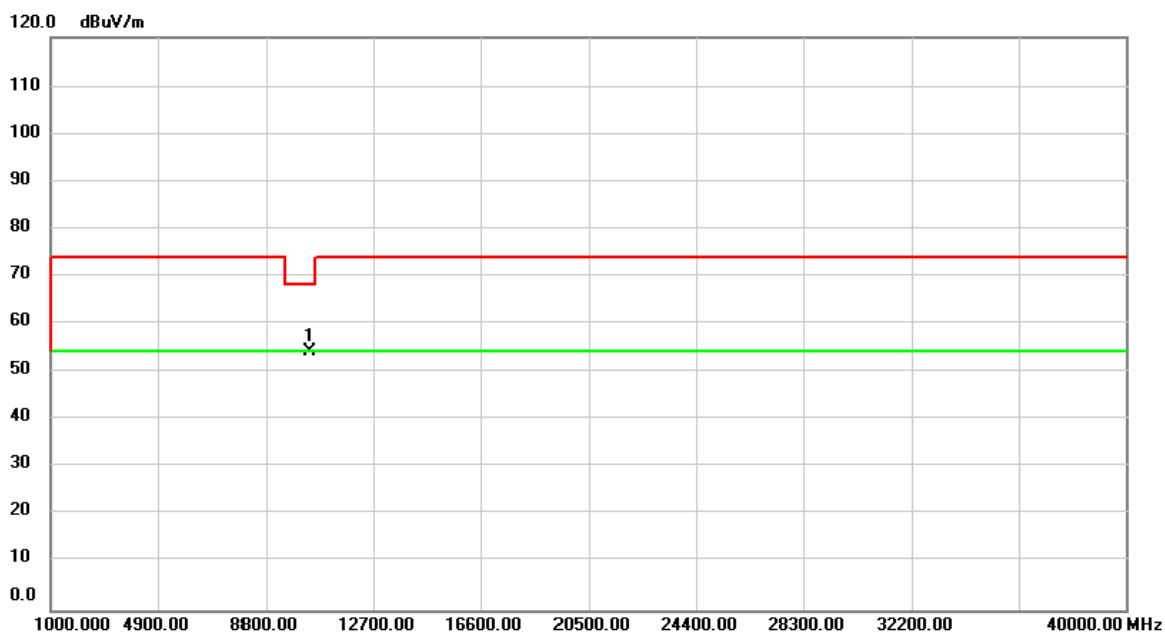
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5130.2500	10.77	37.45	48.22	74.00	-25.78	Peak	
2	5130.2500	-0.76	37.45	36.69	54.00	-17.31	AVG	
3	5200.0000	57.37	37.54	94.91	74.00	20.91	Peak	No Limit
4 *	5200.0000	48.75	37.54	86.29	54.00	32.29	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5200MHz

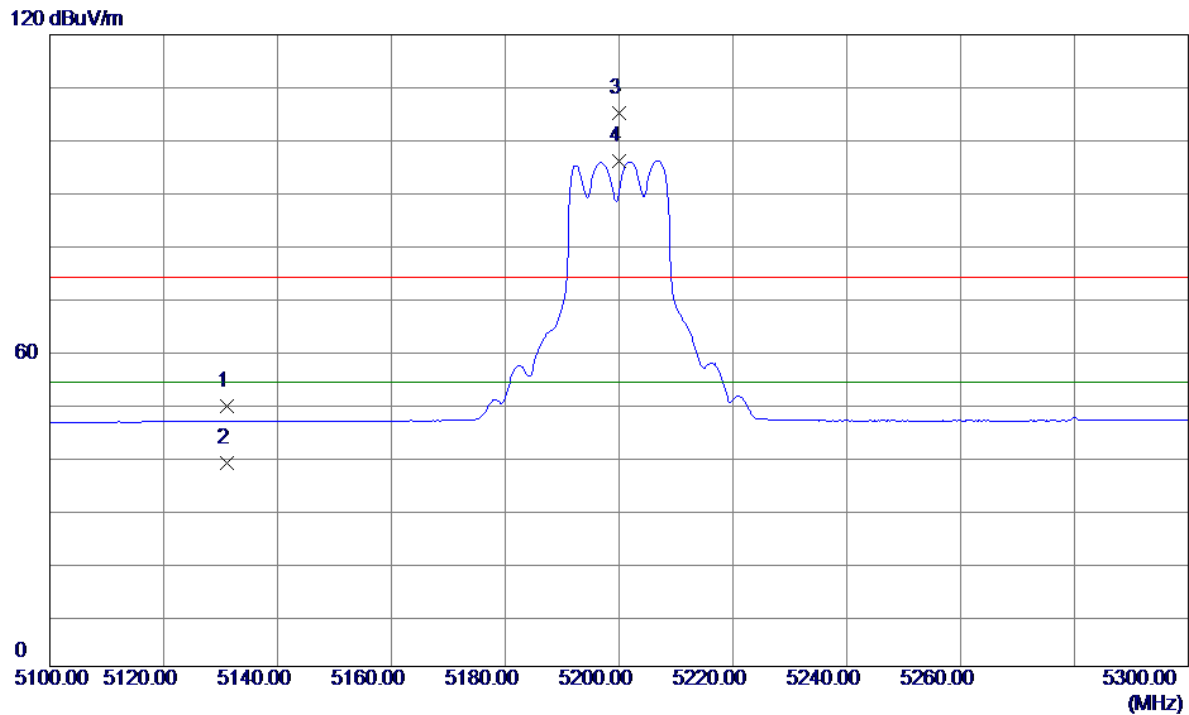
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	52.33	1.87	54.20	68.20	-14.00	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5200MHz

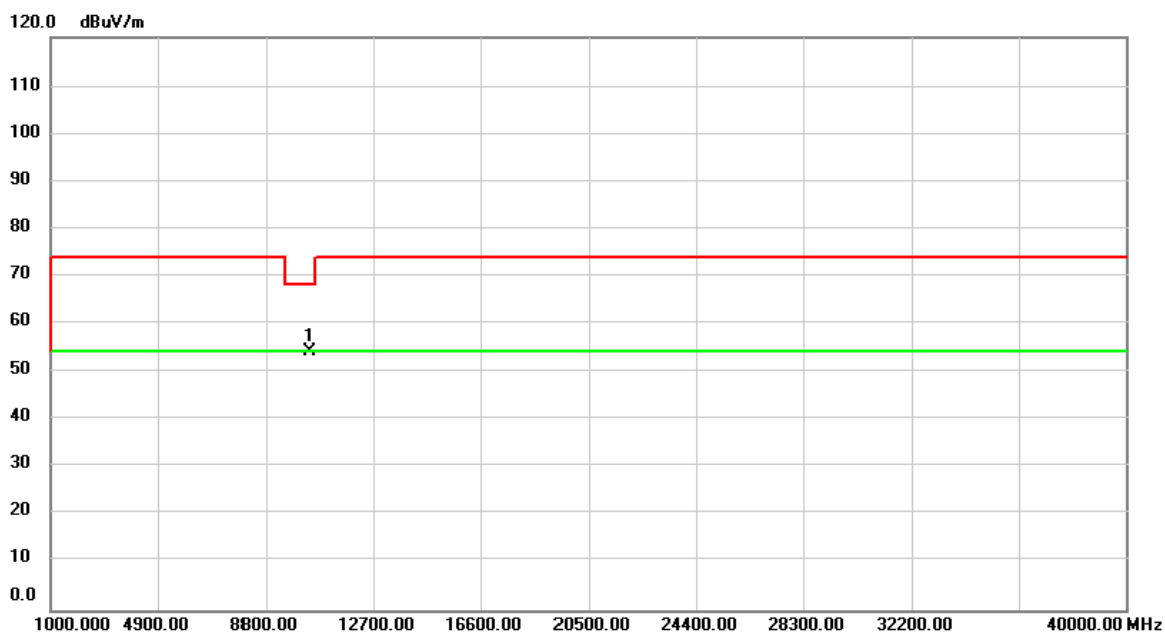
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5131.0500	11.92	37.45	49.37	74.00	-24.63	Peak	
2	5131.0500	1.20	37.45	38.65	54.00	-15.35	AVG	
3	5200.0000	67.61	37.54	105.15	74.00	31.15	Peak	No Limit
4 *	5200.0000	58.55	37.54	96.09	54.00	42.09	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5200MHz

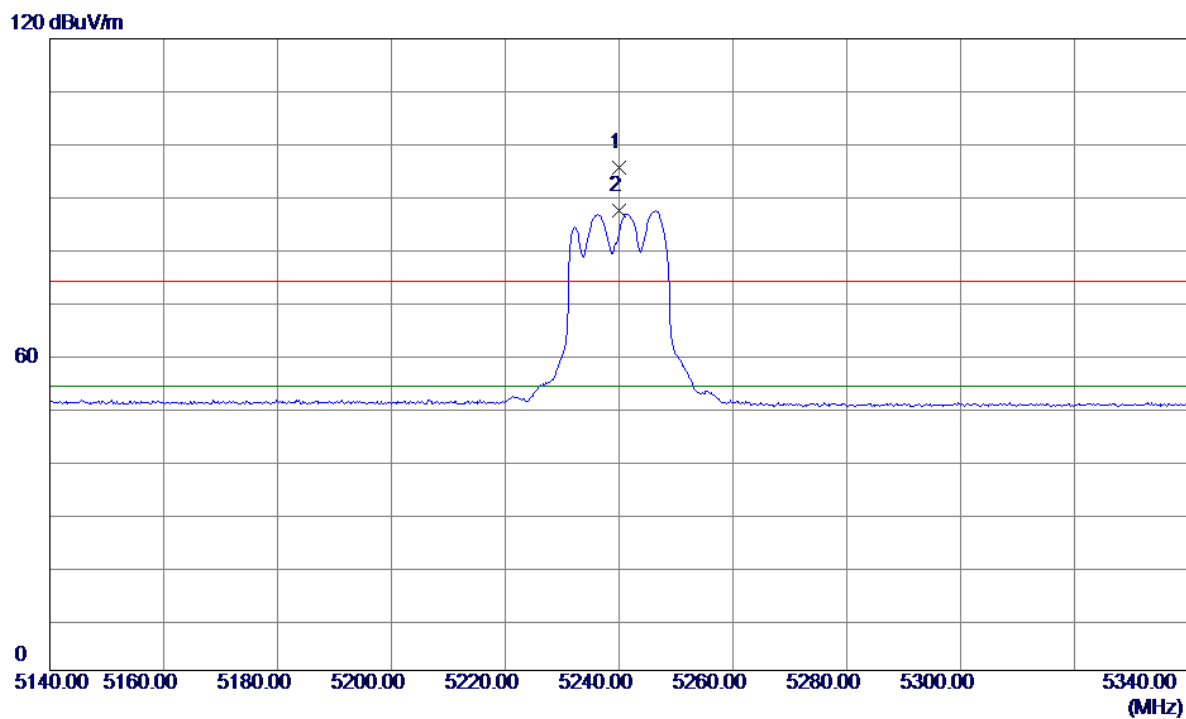
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	52.19	1.87	54.06	68.20	-14.14	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5240MHz

### Vertical

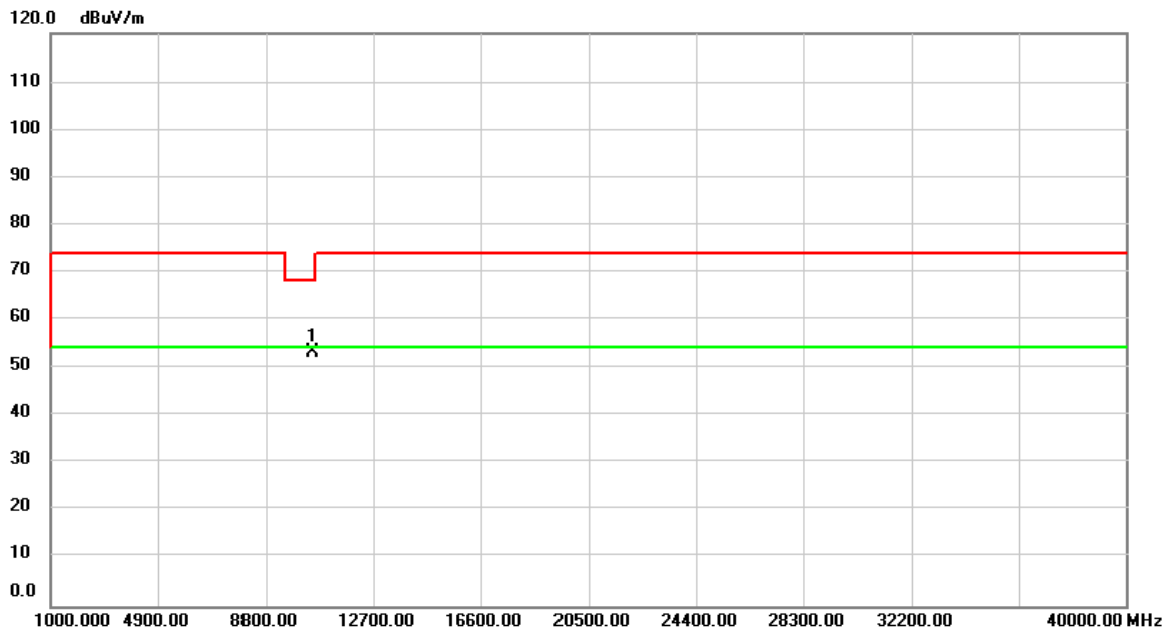


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5240.0000	57.90	37.59	95.49	74.00	21.49	Peak	No Limit
2 *	5240.0000	49.66	37.59	87.25	54.00	33.25	AVG	No Limit



Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5240MHz

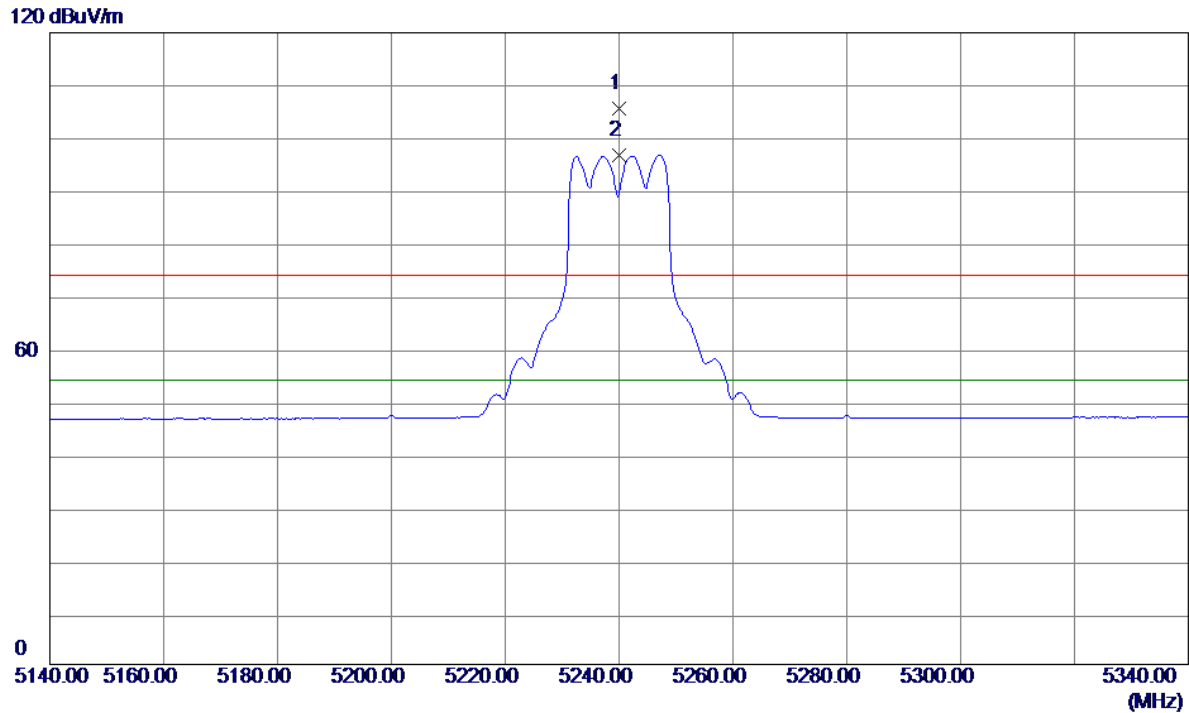
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	51.53	1.87	53.40	68.20	-14.80	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5240MHz

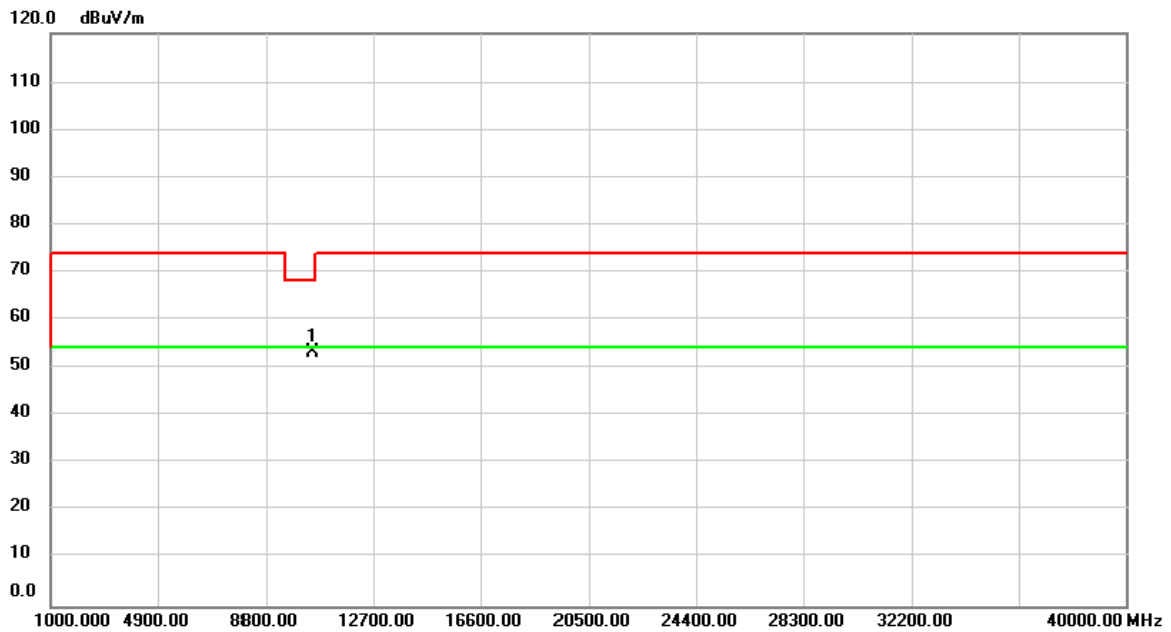
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5240.0000	67.90	37.59	105.49	74.00	31.49	Peak	No Limit
2 *	5240.0000	59.13	37.59	96.72	54.00	42.72	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5240MHz

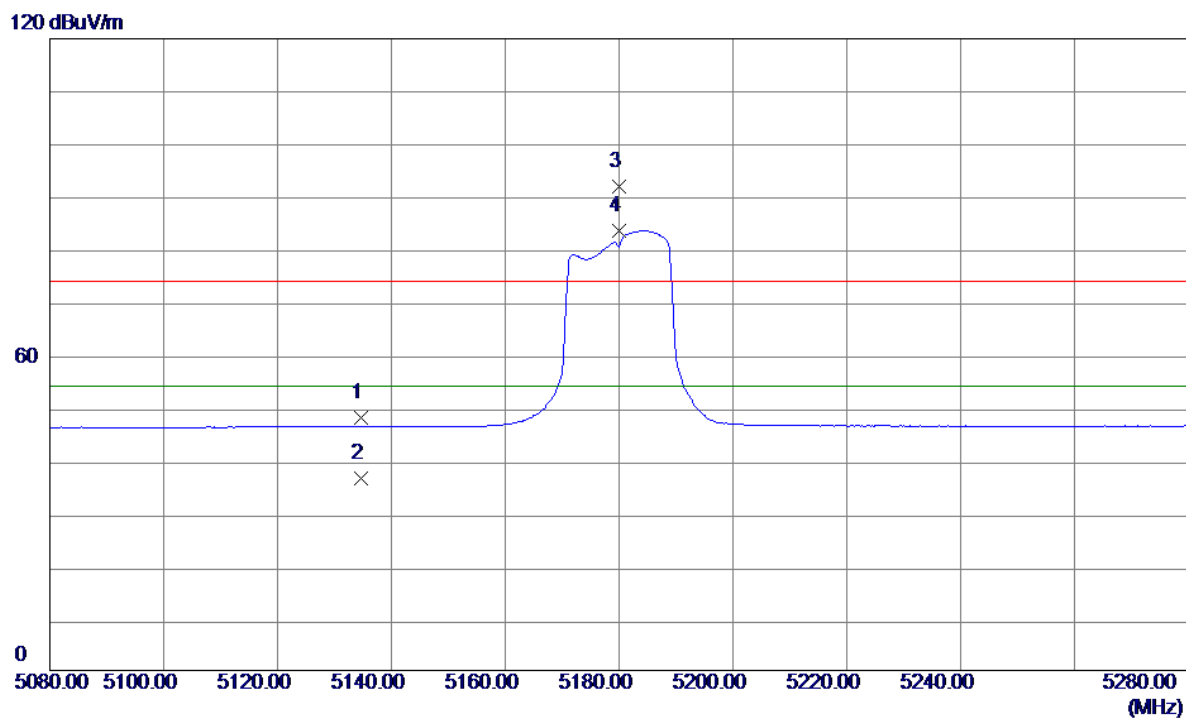
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	51.28	1.87	53.15	68.20	-15.05	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5180MHz

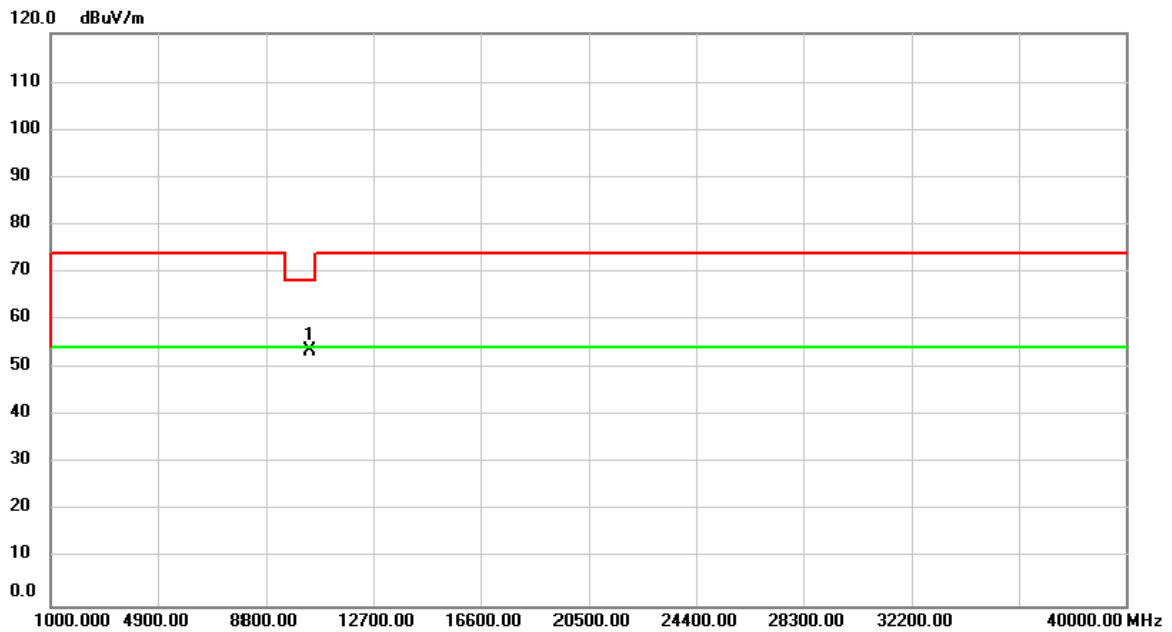
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5134.6700	10.45	37.45	47.90	74.00	-26.10	Peak	
2	5134.6700	-0.87	37.45	36.58	54.00	-17.42	AVG	
3	5180.0000	54.52	37.51	92.03	74.00	18.03	Peak	No Limit
4 *	5180.0000	45.93	37.51	83.44	54.00	29.44	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5180MHz

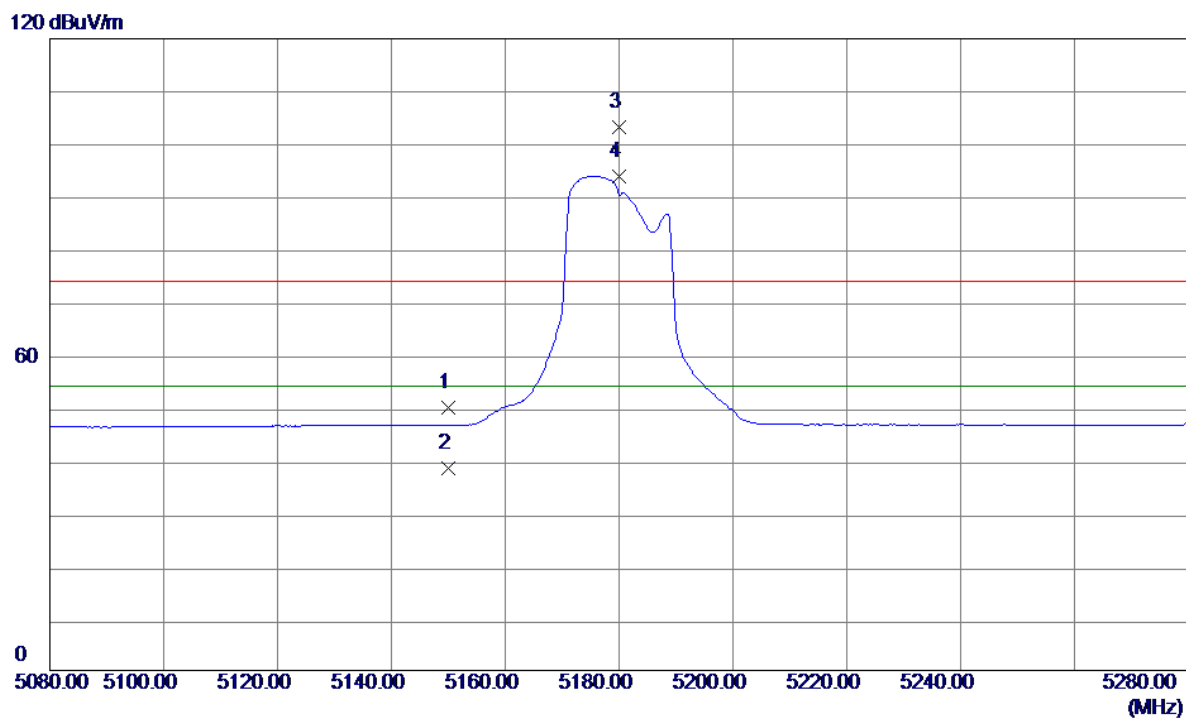
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	51.82	1.85	53.67	68.20	-14.53	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5180MHz

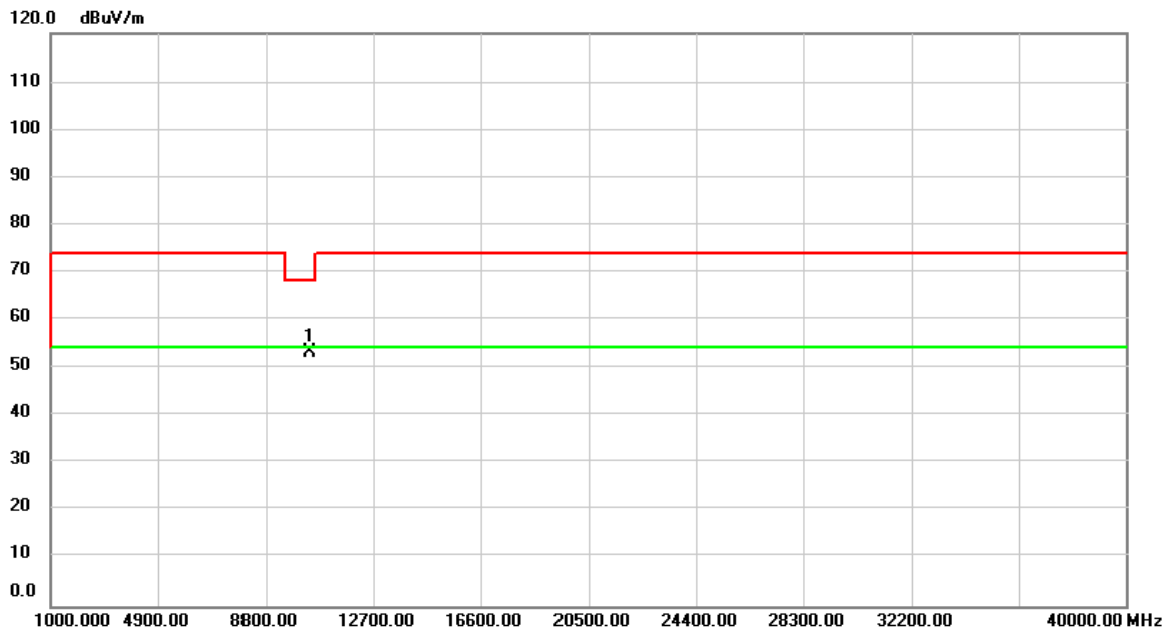
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	12.39	37.47	49.86	74.00	-24.14	Peak	
2	5150.0000	0.90	37.47	38.37	54.00	-15.63	AVG	
3	5180.0000	65.79	37.51	103.30	74.00	29.30	Peak	No Limit
4 *	5180.0000	56.38	37.51	93.89	54.00	39.89	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5180MHz

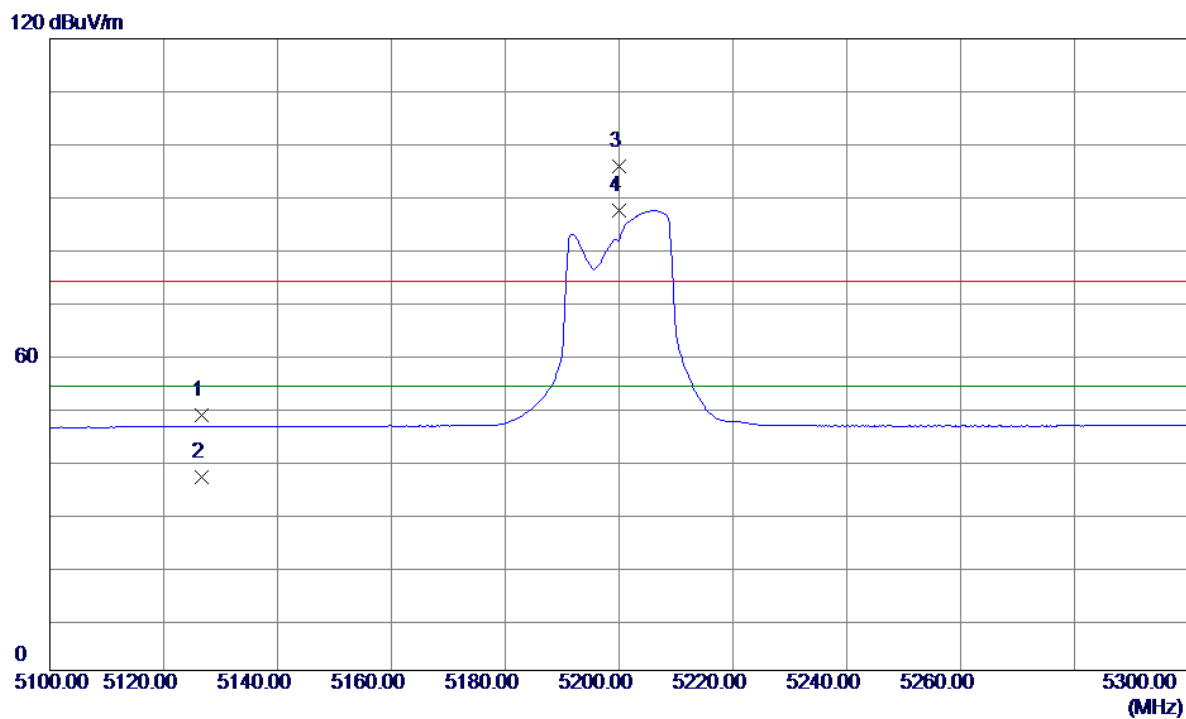
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	51.35	1.85	53.20	68.20	-15.00	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5200MHz

### Vertical

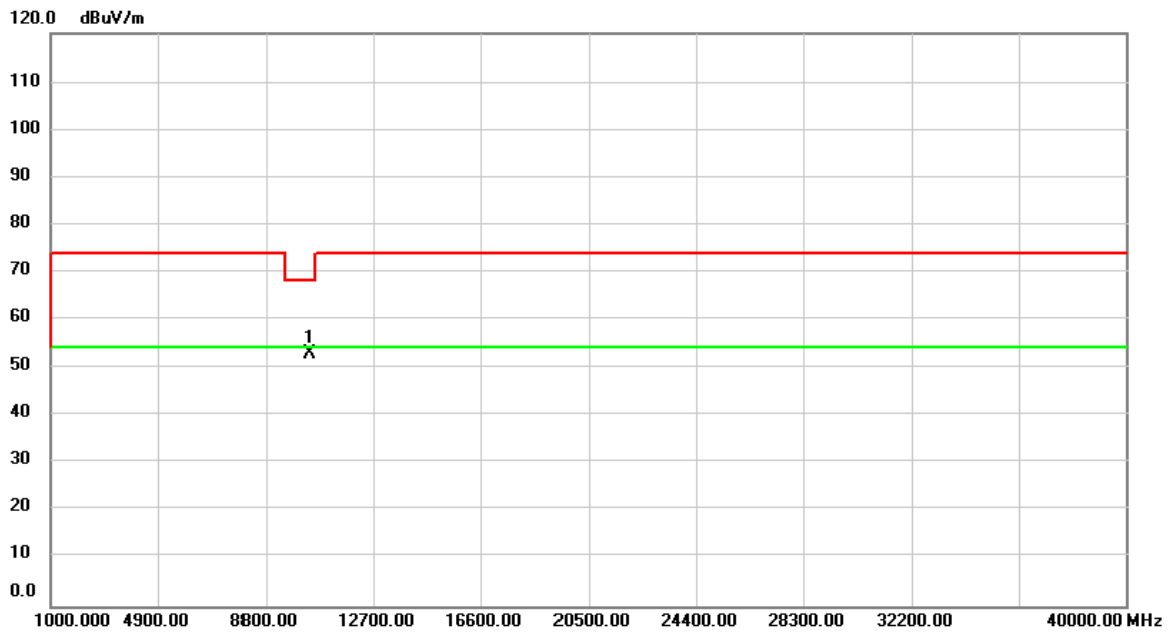


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5126.7500	10.97	37.44	48.41	74.00	-25.59	Peak	
2	5126.7500	-0.62	37.44	36.82	54.00	-17.18	AVG	
3	5200.0000	58.10	37.54	95.64	74.00	21.64	Peak	No Limit
4 *	5200.0000	49.77	37.54	87.31	54.00	33.31	AVG	No Limit



Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5200MHz

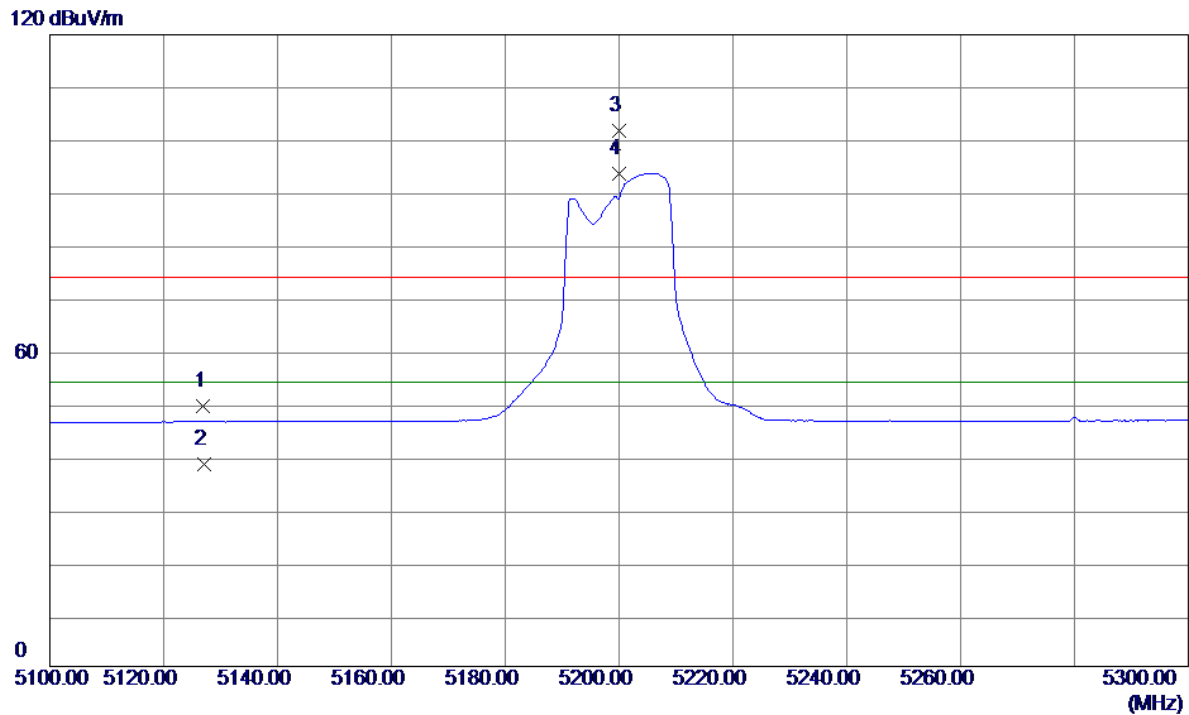
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	50.94	1.87	52.81	68.20	-15.39	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5200MHz

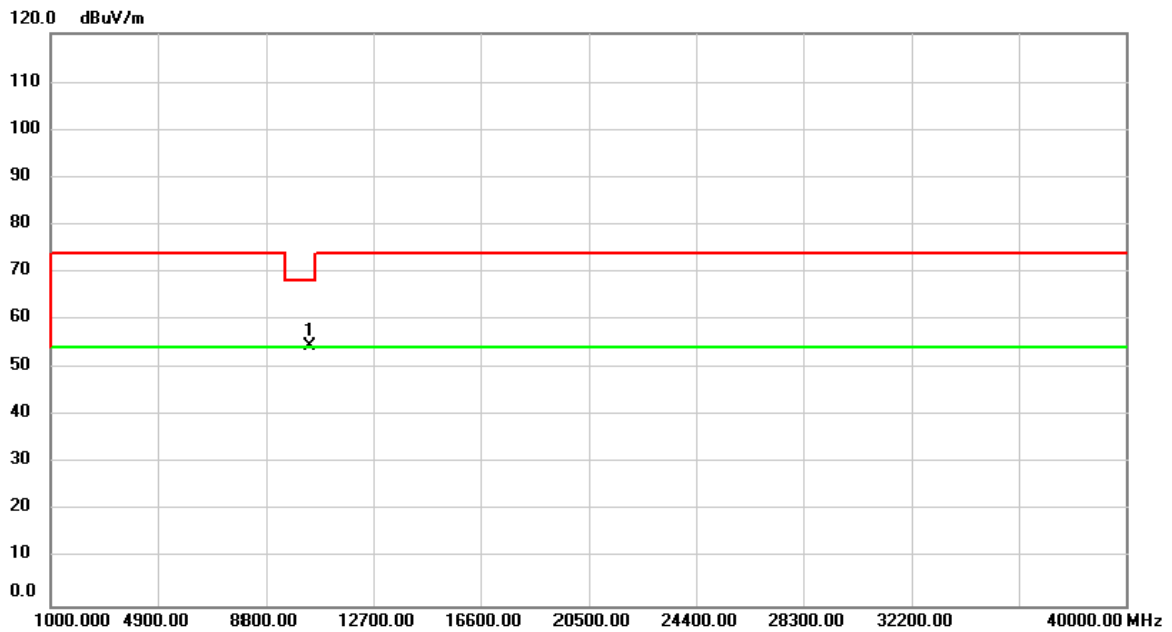
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5127.0000	12.03	37.44	49.47	74.00	-24.53	Peak	
2	5127.1000	1.01	37.44	38.45	54.00	-15.55	AVG	
3	5200.0000	64.28	37.54	101.82	74.00	27.82	Peak	No Limit
4 *	5200.0000	56.15	37.54	93.69	54.00	39.69	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5200MHz

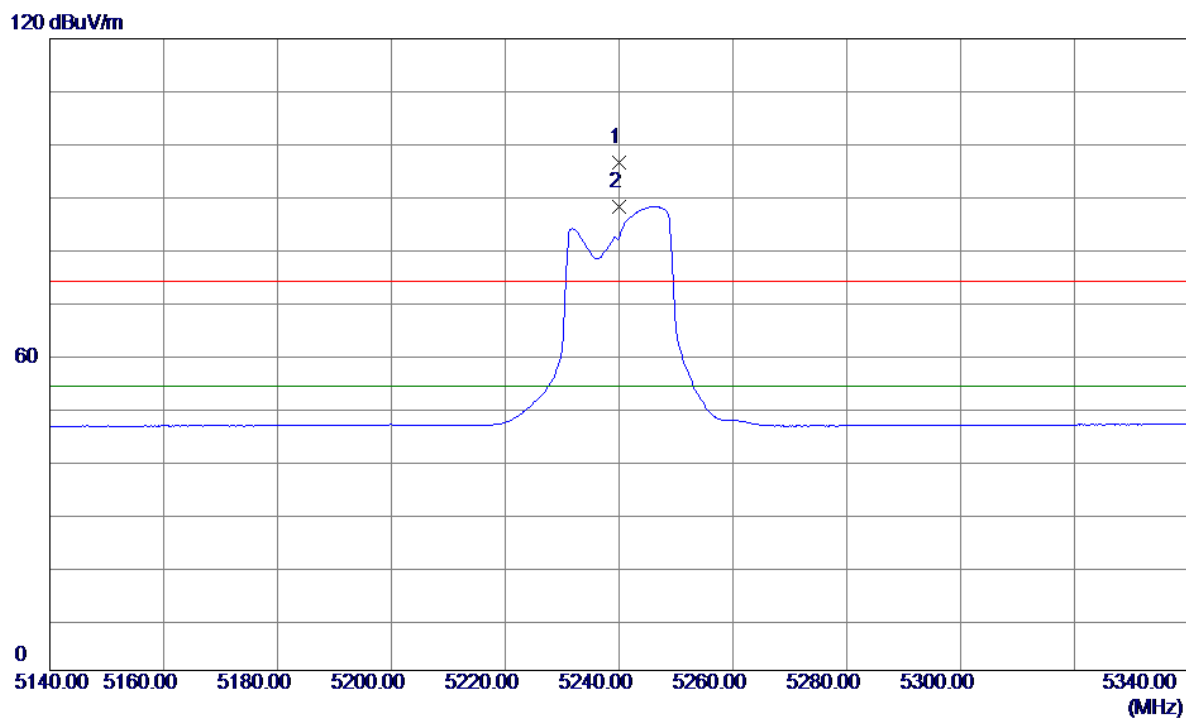
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	52.48	1.87	54.35	68.20	-13.85	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5240MHz

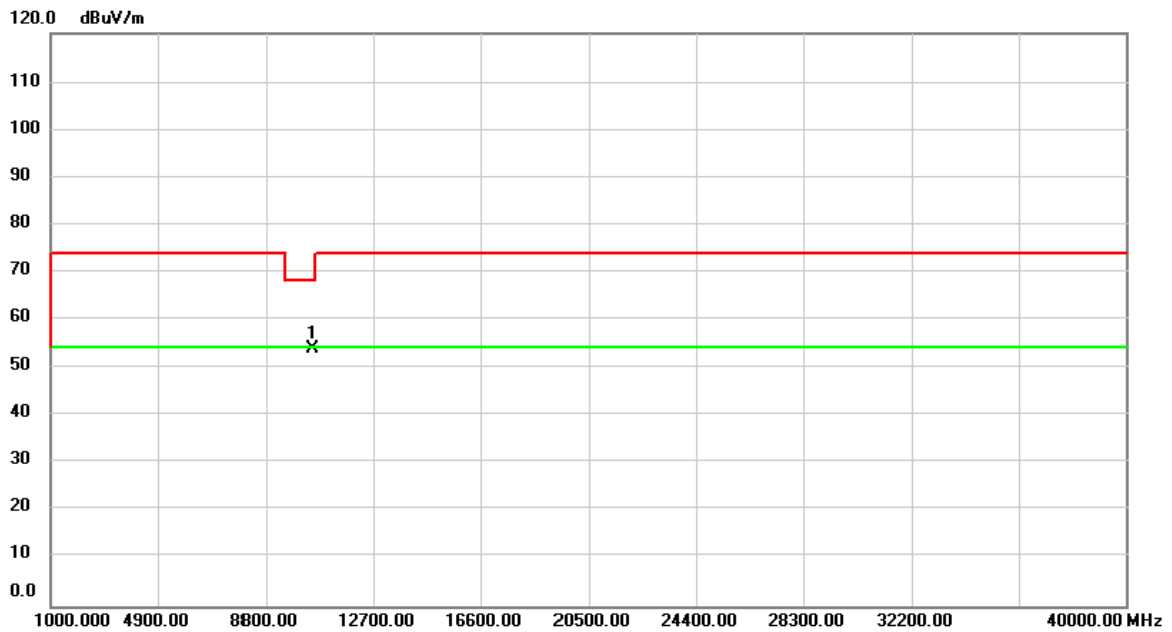
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5240.0000	58.98	37.59	96.57	74.00	22.57	Peak	No Limit
2 *	5240.0000	50.49	37.59	88.08	54.00	34.08	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5240MHz

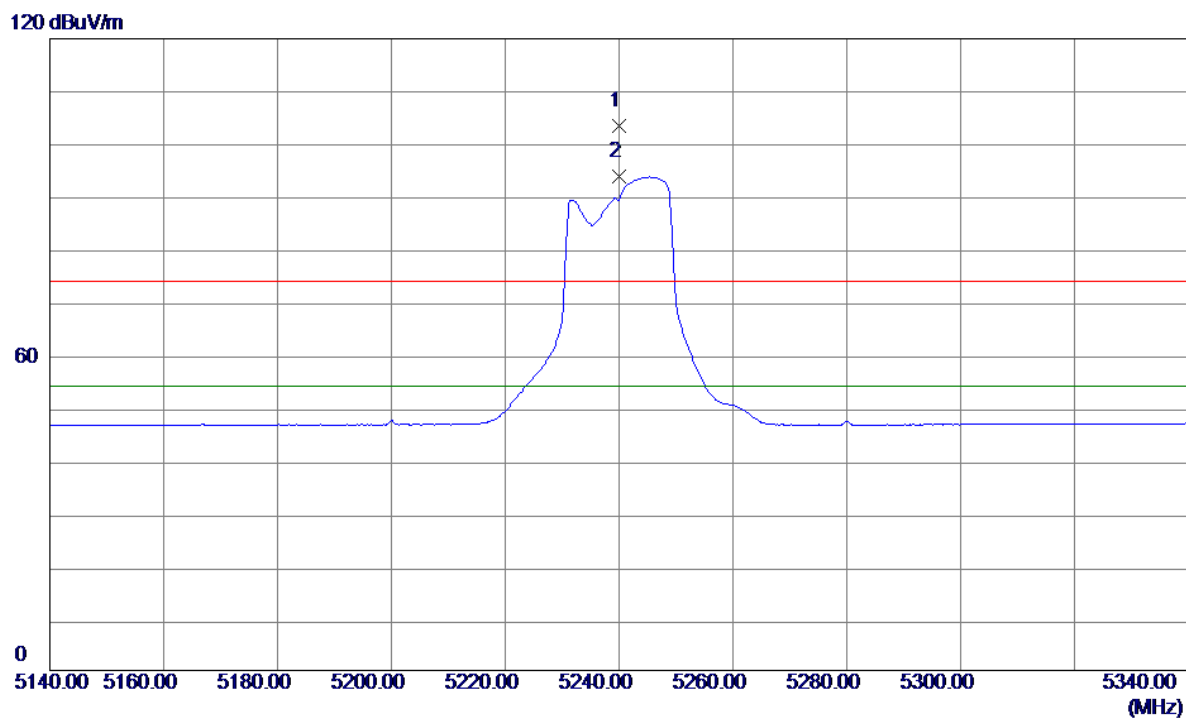
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	51.87	1.87	53.74	68.20	-14.46	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5240MHz

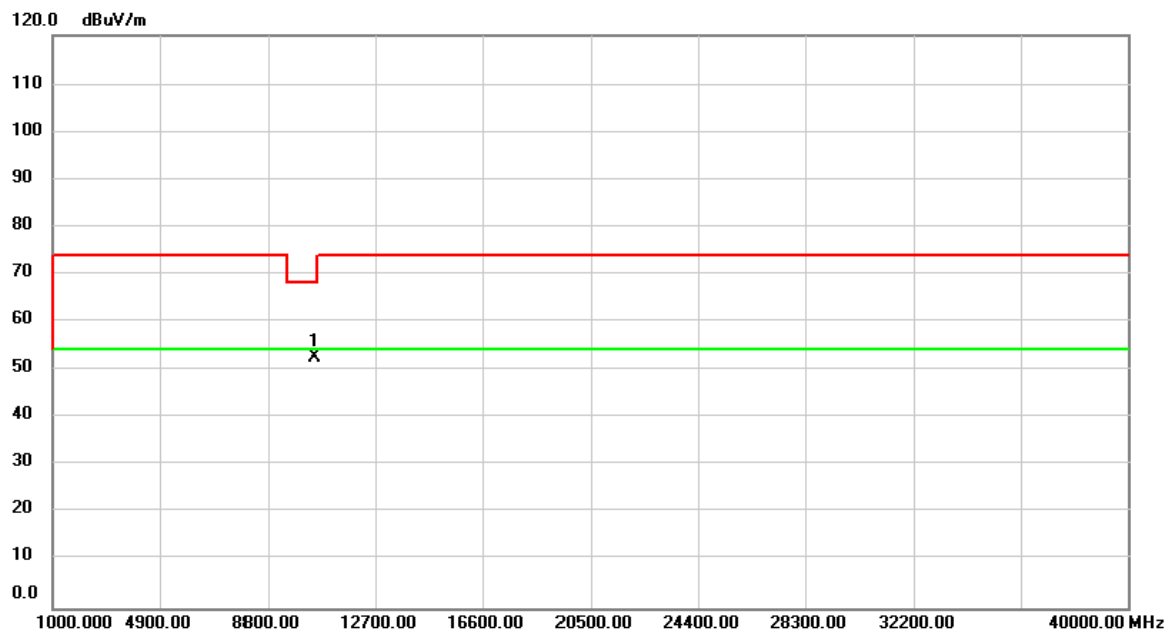
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5240.0000	65.75	37.59	103.34	74.00	29.34	Peak	No Limit
2 *	5240.0000	56.16	37.59	93.75	54.00	39.75	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5240MHz

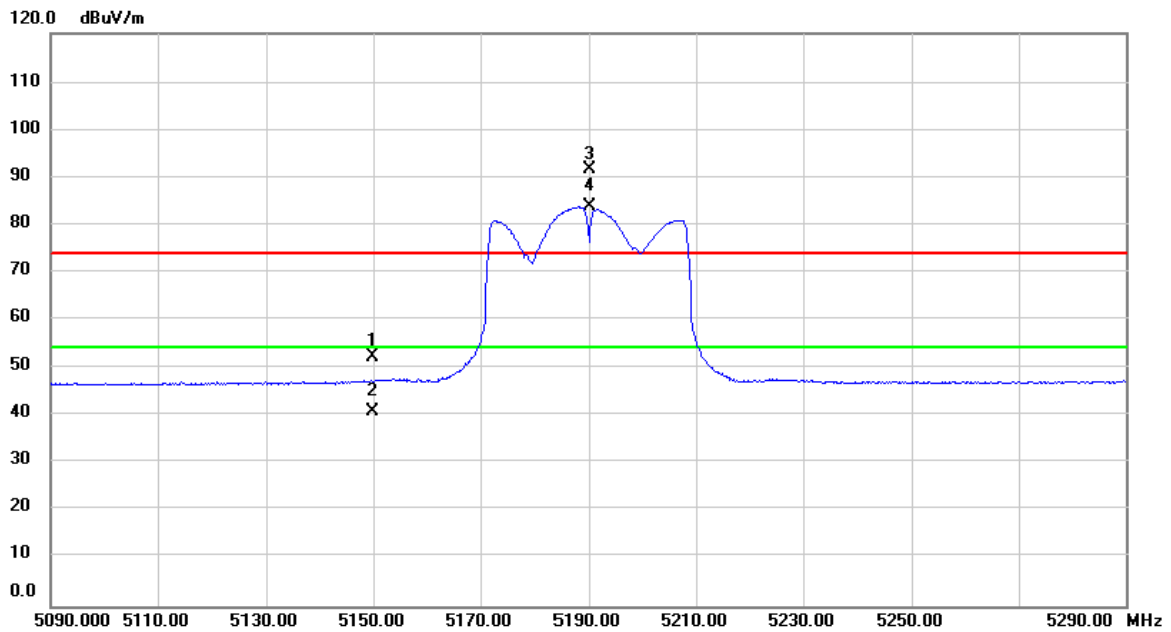
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	50.71	1.87	52.58	68.20	-15.62	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5190MHz

### Vertical

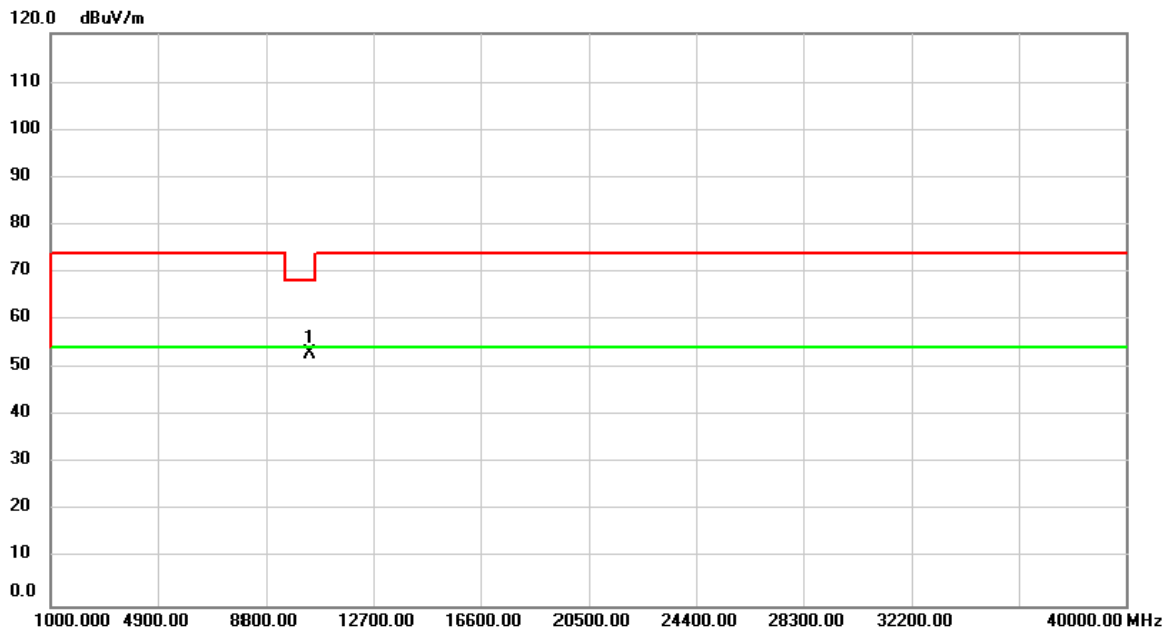


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5149.820	14.95	37.47	52.42	74.00	-21.58	peak	
2		5149.820	3.40	37.47	40.87	54.00	-13.13	AVG	
3	X	5190.000	54.19	37.52	91.71	74.00	17.71	peak	No Limit
4	*	5190.000	46.27	37.52	83.79	54.00	29.79	AVG	No Limit



Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5190MHz

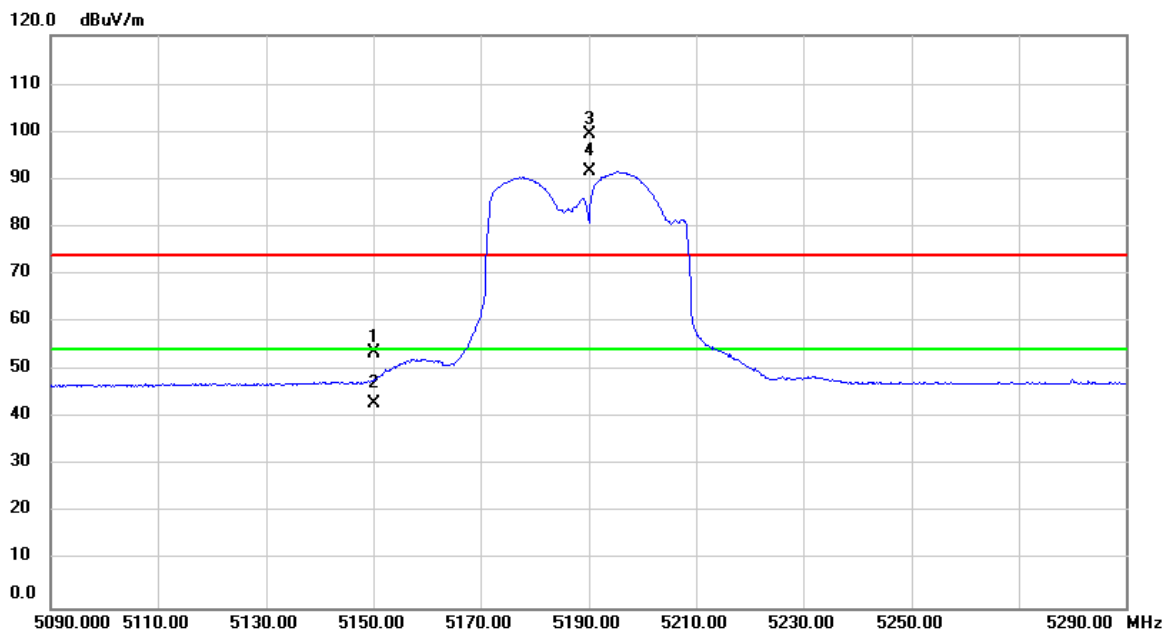
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	51.10	1.87	52.97	68.20	-15.23	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5190MHz

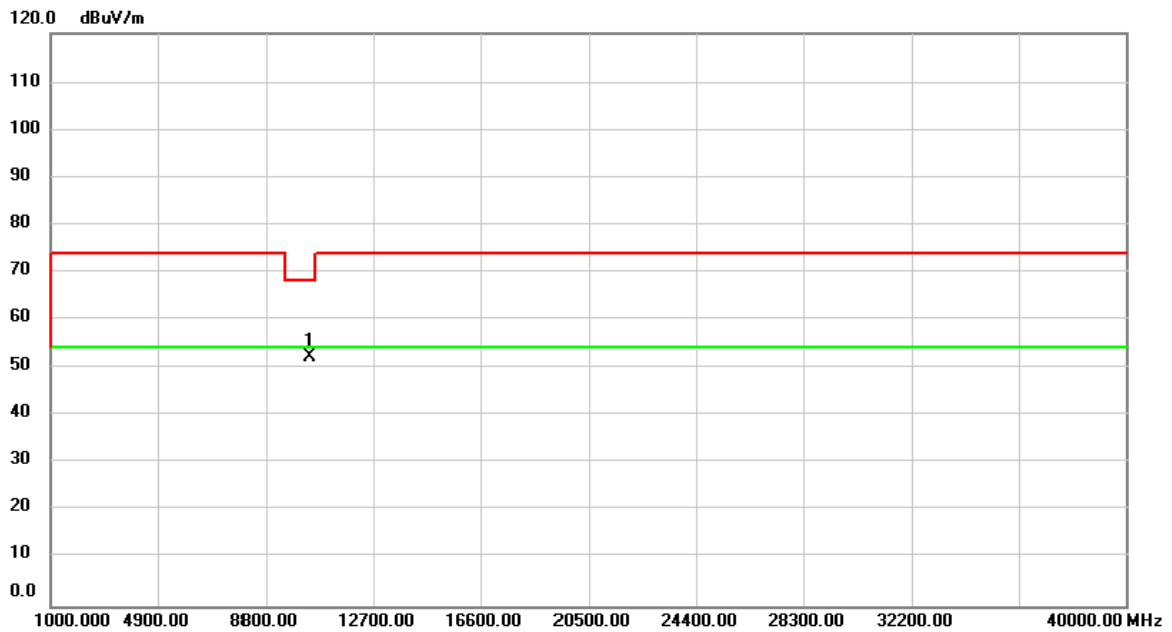
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	16.12	37.47	53.59	74.00	-20.41	peak	
2		5150.000	5.48	37.47	42.95	54.00	-11.05	AVG	
3	X	5190.000	61.94	37.52	99.46	74.00	25.46	peak	No Limit
4	*	5190.000	54.06	37.52	91.58	54.00	37.58	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5190MHz

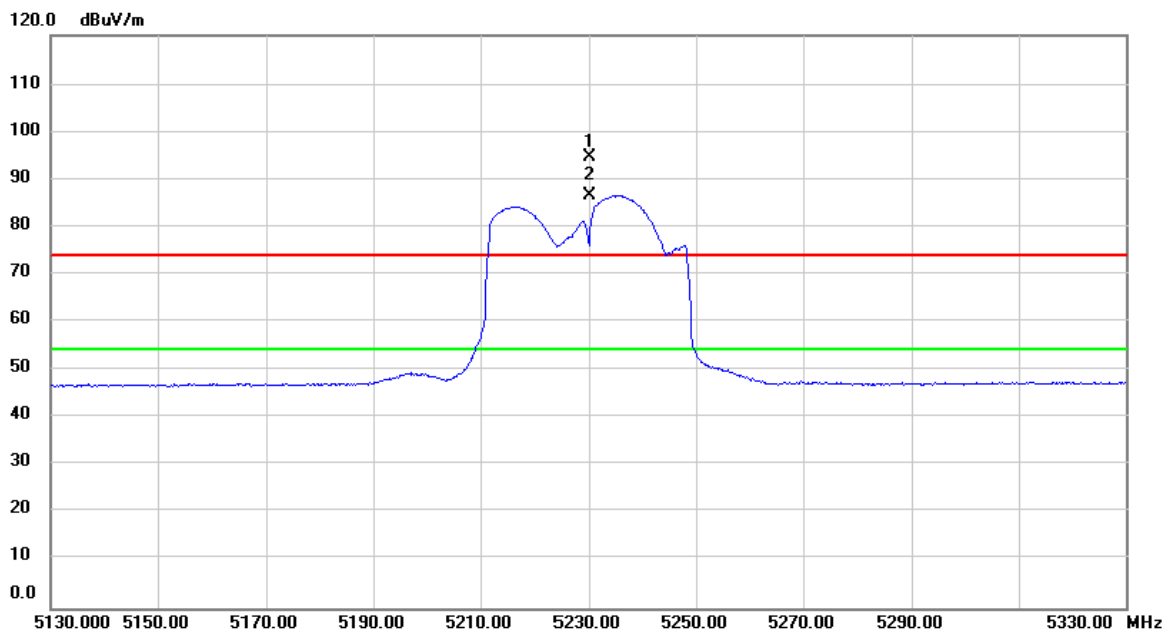
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	50.59	1.87	52.46	68.20	-15.74	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5230MHz

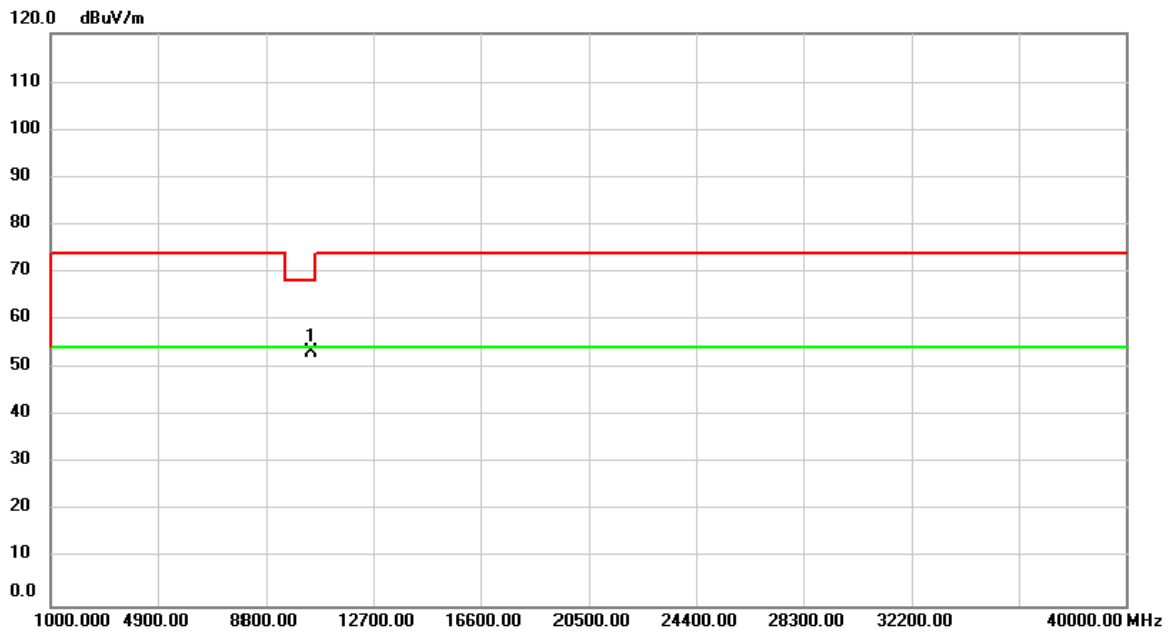
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5230.000	56.99	37.57	94.56	74.00	20.56	peak	No Limit
2	*	5230.000	49.09	37.57	86.66	54.00	32.66	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5230MHz

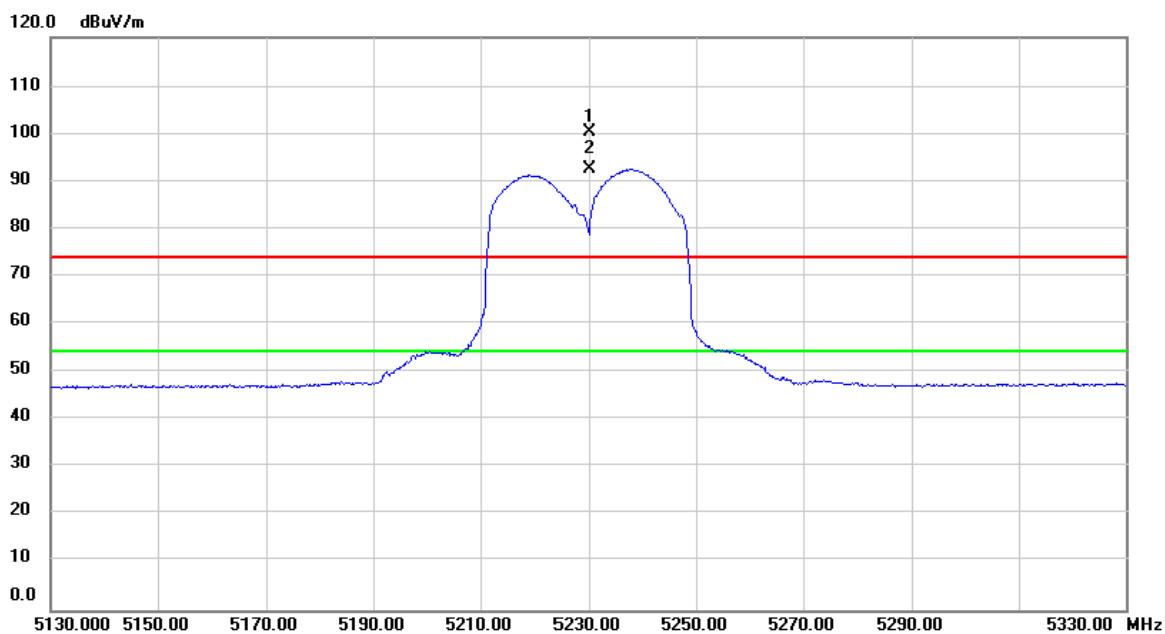
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	51.50	1.87	53.37	68.20	-14.83	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5230MHz

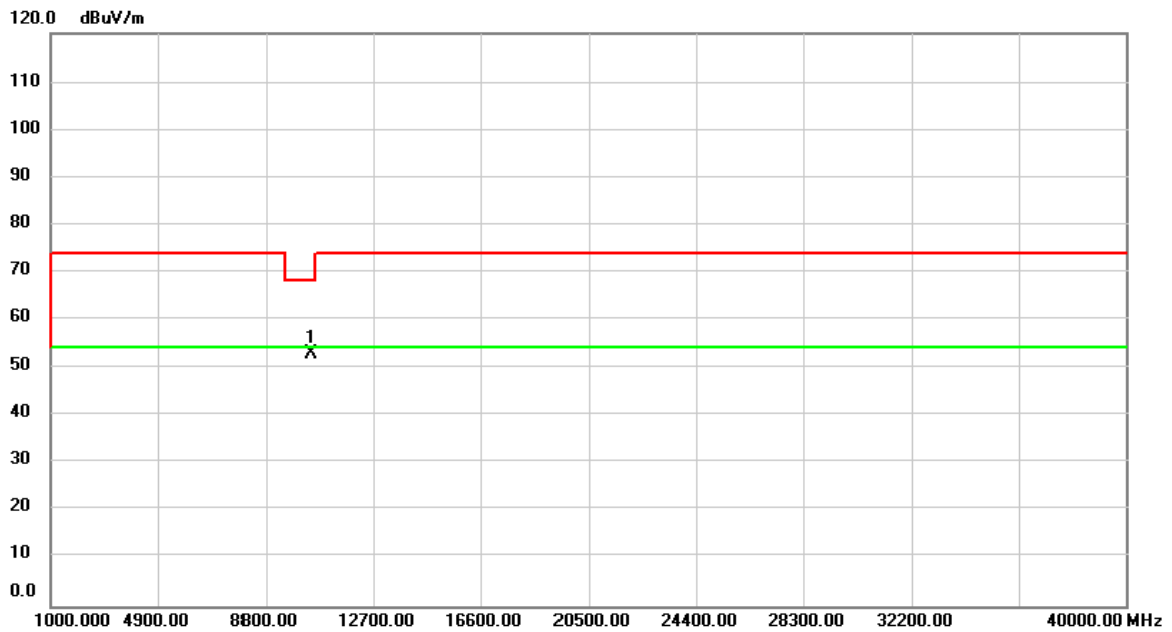
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5230.000	62.84	37.57	100.41	74.00	26.41	peak	No Limit
2	*	5230.000	54.97	37.57	92.54	54.00	38.54	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5230MHz

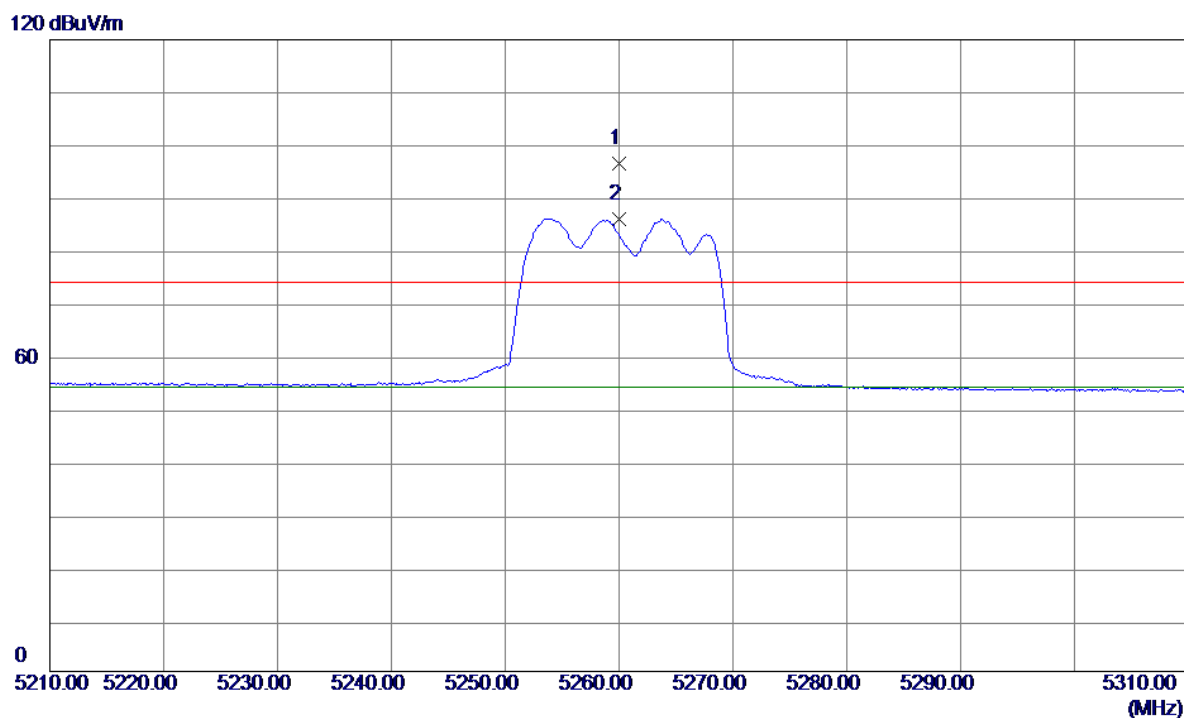
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	51.09	1.87	52.96	68.20	-15.24	peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

### Vertical

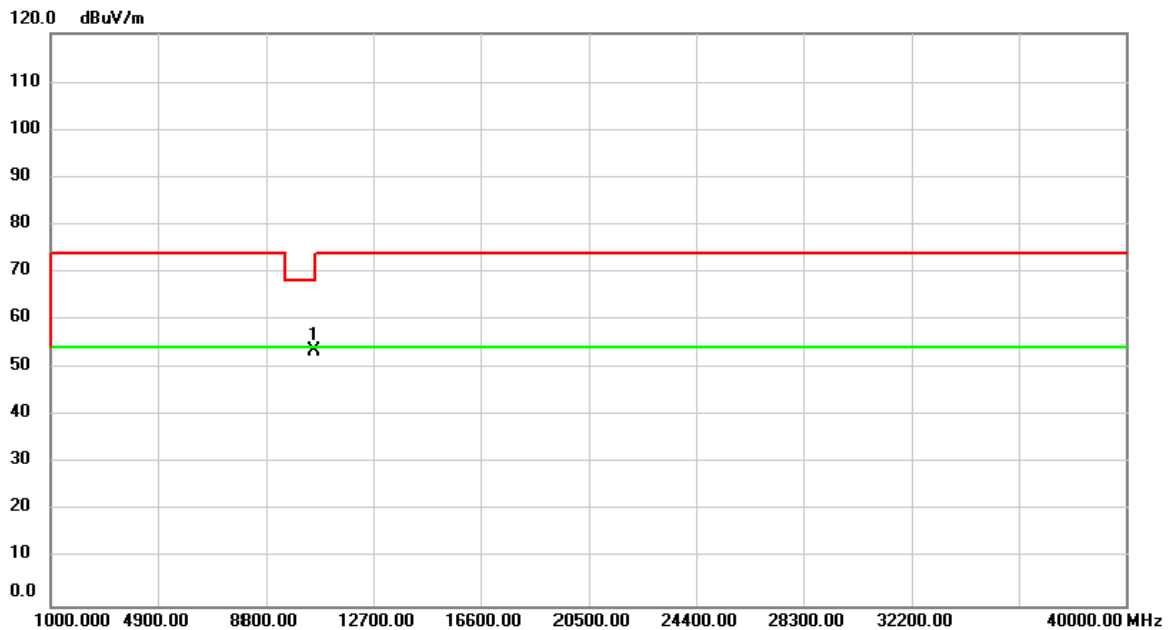


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5260.0000	58.97	37.61	96.58	74.00	22.58	Peak	No Limit
2 *	5260.0000	48.41	37.61	86.02	54.00	32.02	AVG	No Limit



Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

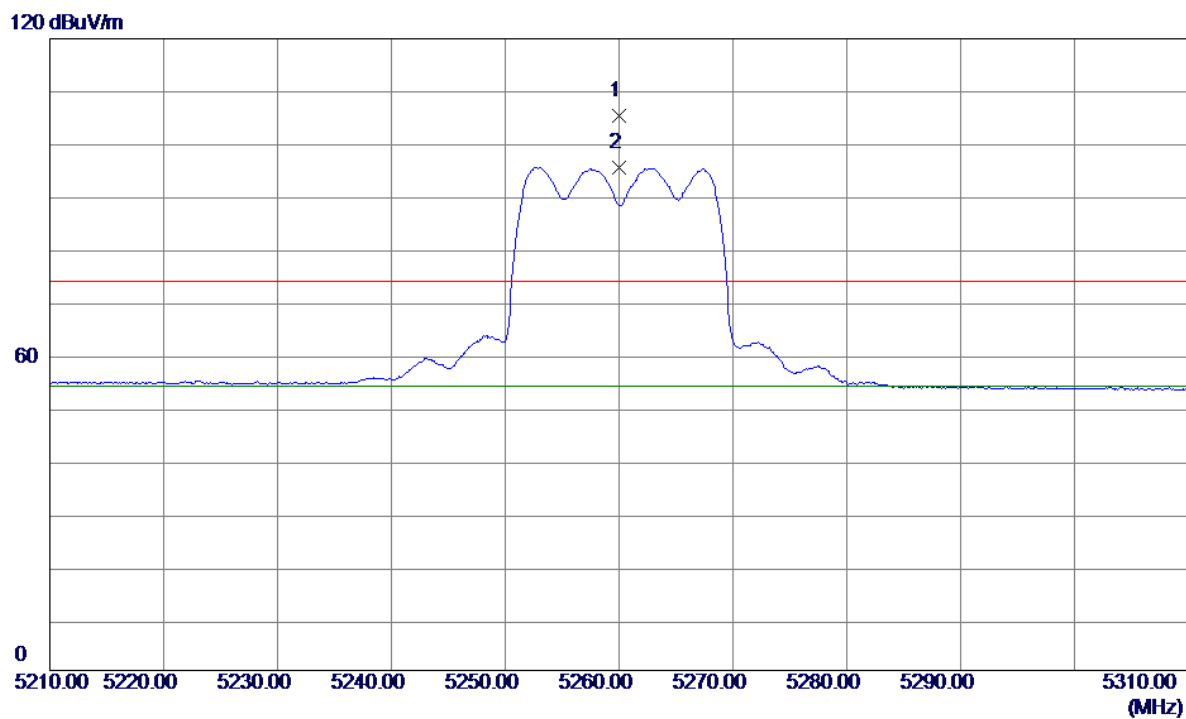
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10520.00	51.62	1.90	53.52	68.20	-14.68	peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

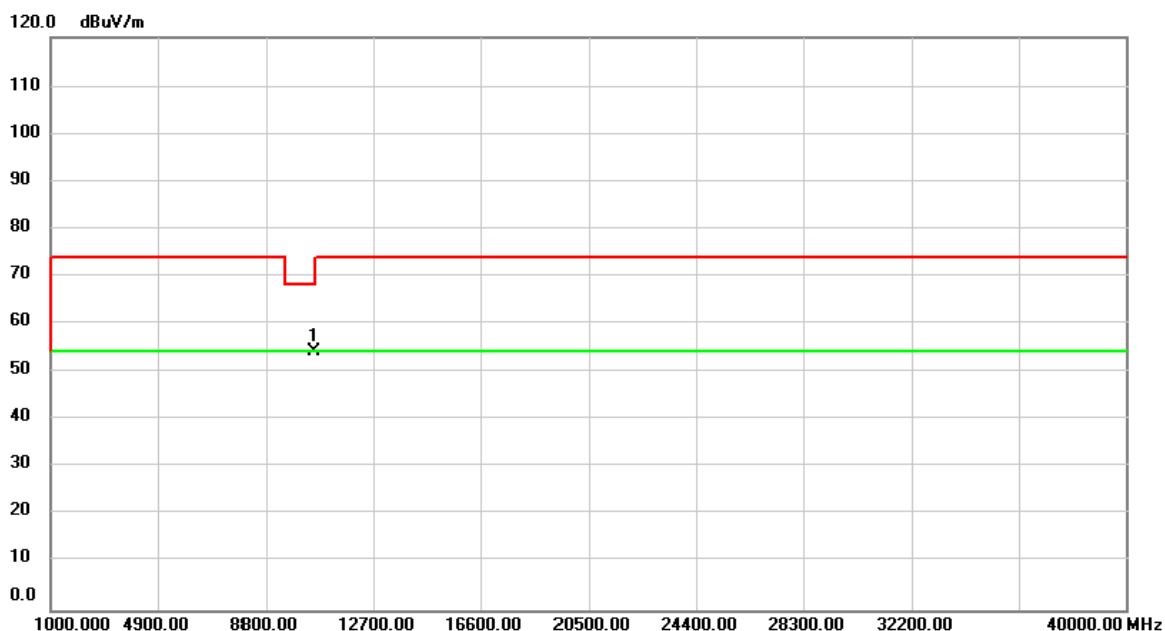
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5260.0000	67.85	37.61	105.46	74.00	31.46	Peak	No Limit
2 *	5260.0000	58.02	37.61	95.63	54.00	41.63	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

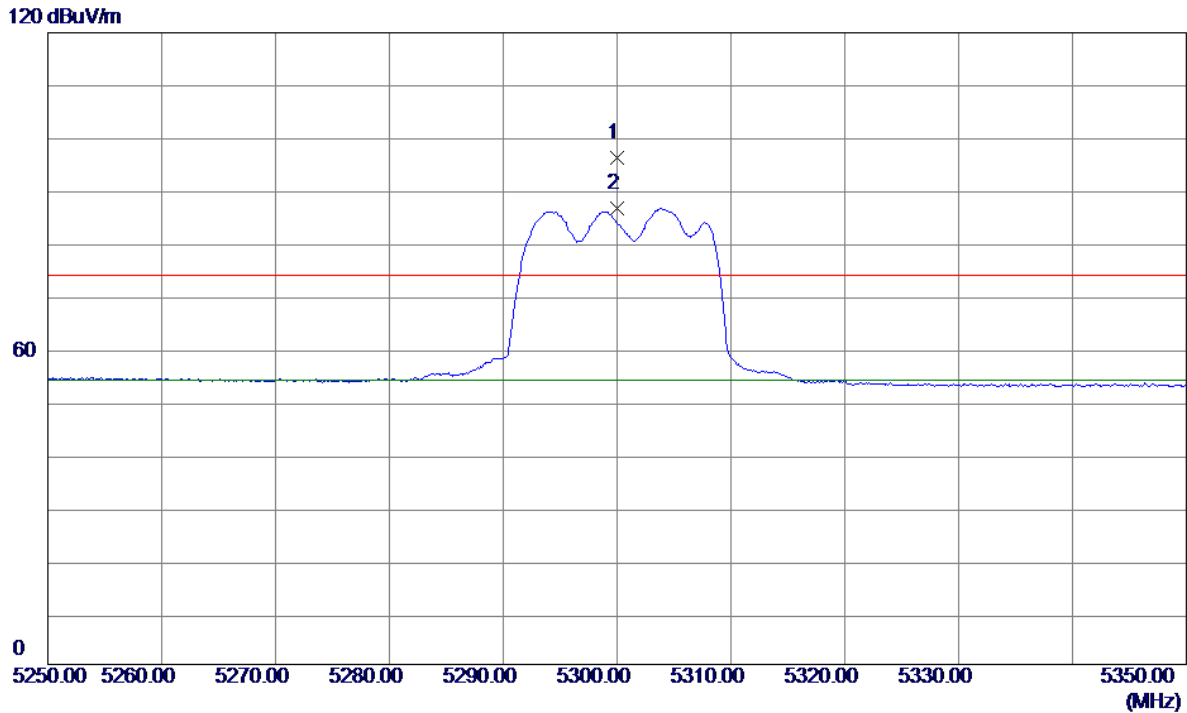
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10520.00	52.19	1.90	54.09	68.20	-14.11	peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

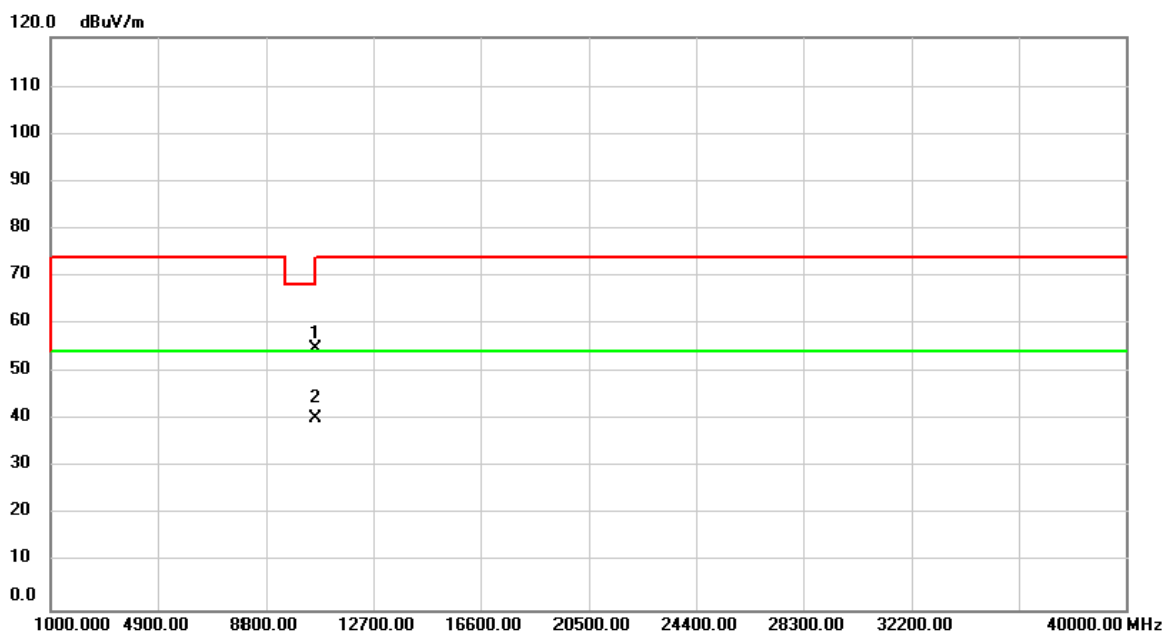
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5300.0000	58.48	37.66	96.14	74.00	22.14	Peak	No Limit
2 *	5300.0000	48.93	37.66	86.59	54.00	32.59	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

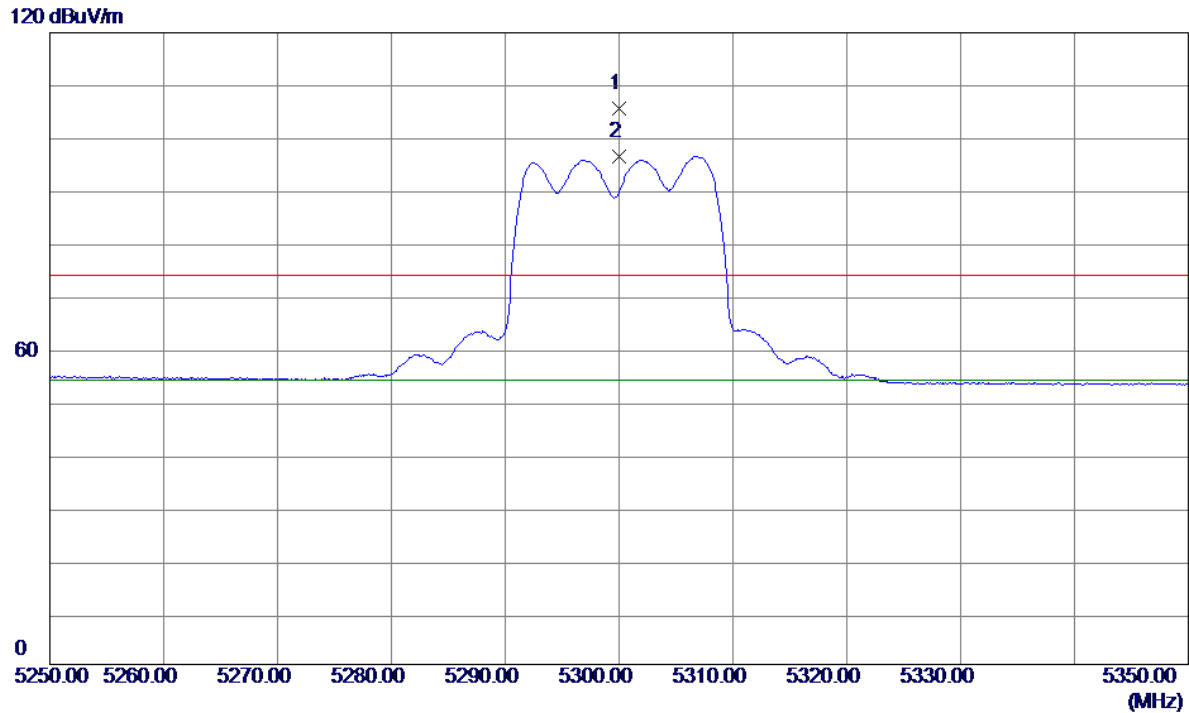
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10600.10	52.71	2.06	54.77	74.00	-19.23	peak	
2	*	10600.00	38.44	2.06	40.50	54.00	-13.50	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

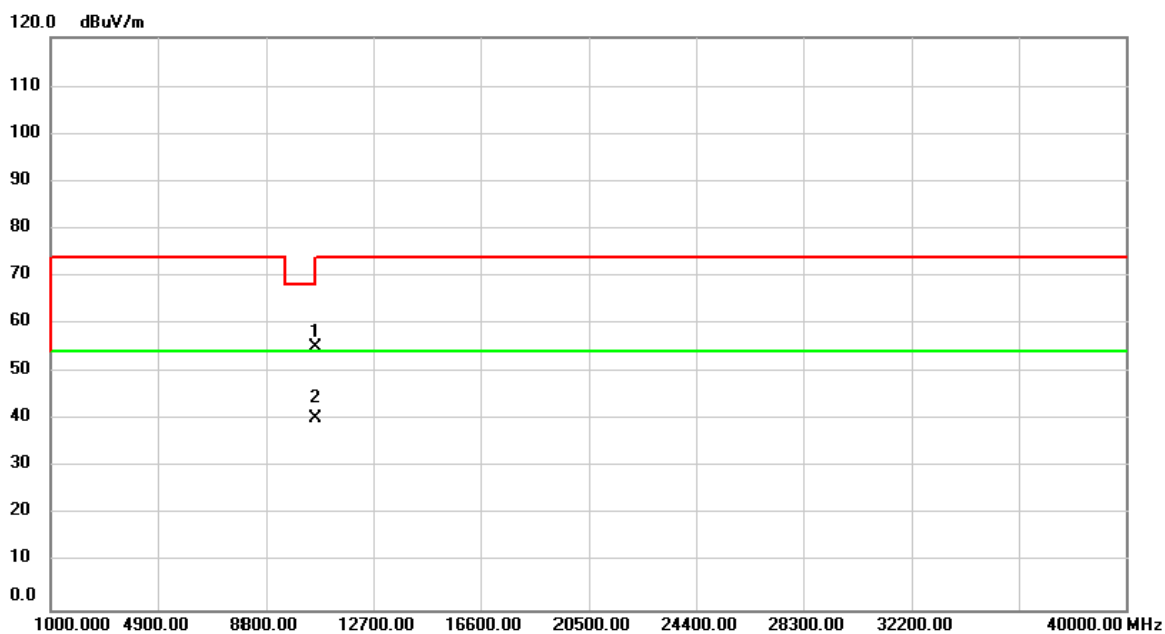
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5300.0000	67.99	37.66	105.65	74.00	31.65	Peak	No Limit
2 *	5300.0000	58.77	37.66	96.43	54.00	42.43	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

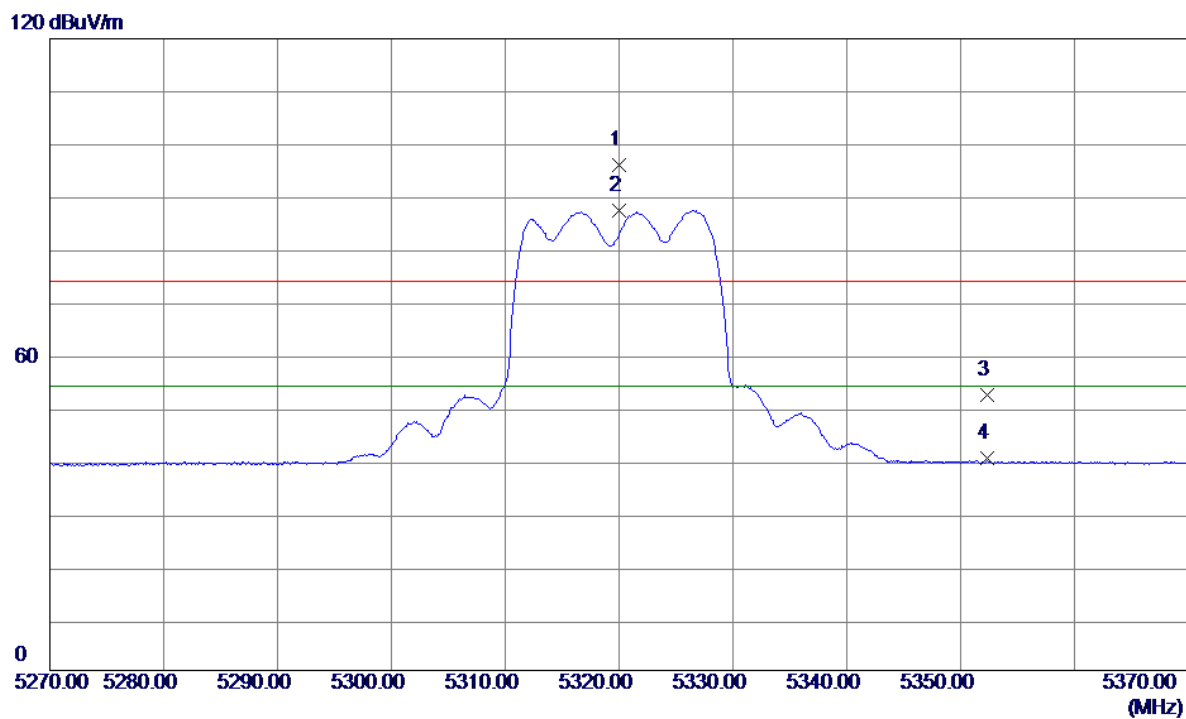
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10600.10	53.03	2.06	55.09	74.00	-18.91	peak	
2	*	10600.00	38.40	2.06	40.46	54.00	-13.54	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

### Vertical

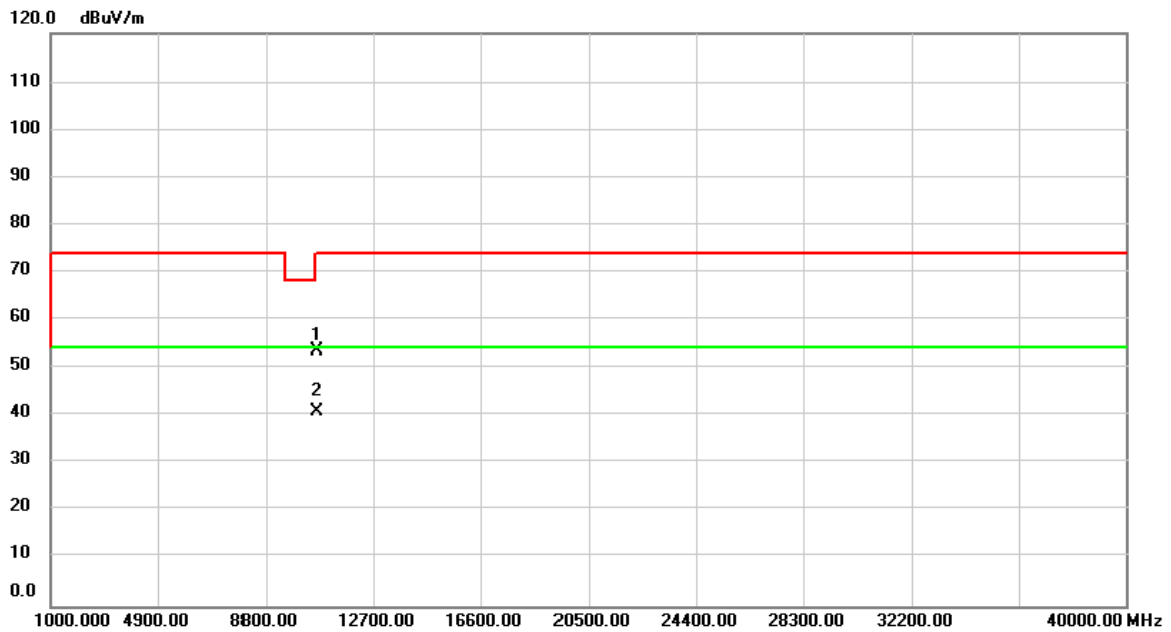


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5320.0000	58.25	37.69	95.94	74.00	21.94	Peak	No Limit
2 *	5320.0000	49.75	37.69	87.44	54.00	33.44	AVG	No Limit
3	5352.3400	14.62	37.73	52.35	74.00	-21.65	Peak	
4	5352.3400	2.51	37.73	40.24	54.00	-13.76	AVG	



Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

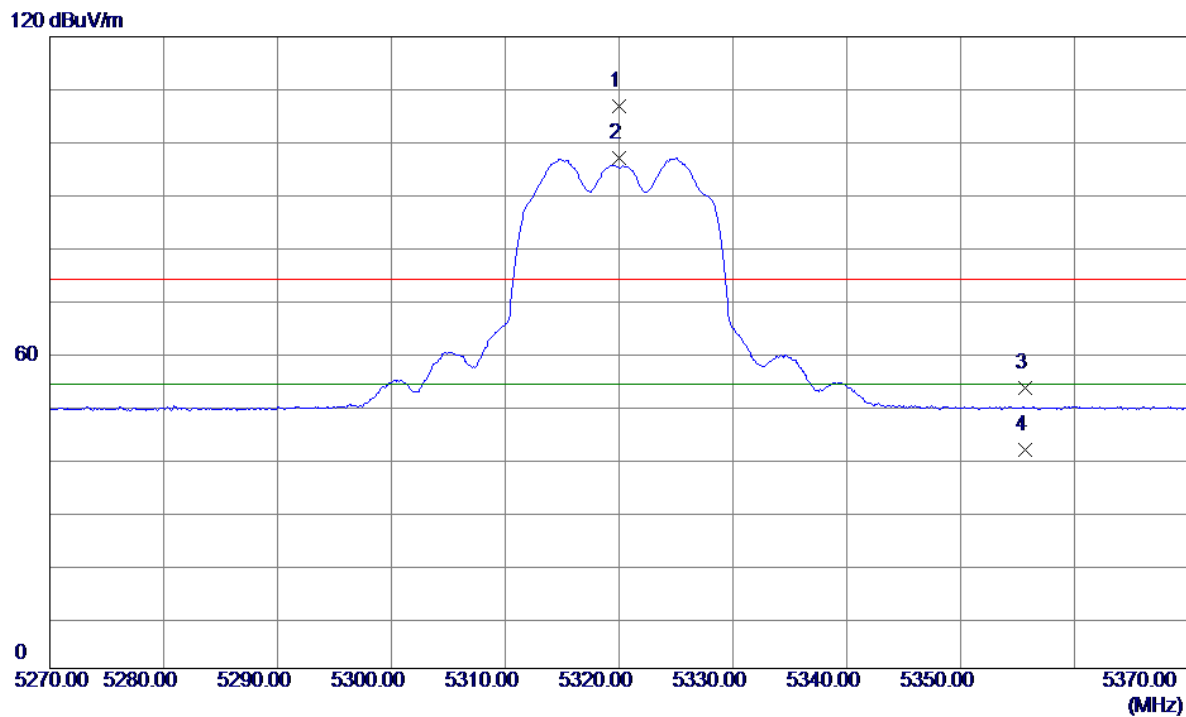
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10640.00	51.33	2.15	53.48	74.00	-20.52	peak	
2	*	10640.00	38.89	2.15	41.04	54.00	-12.96	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

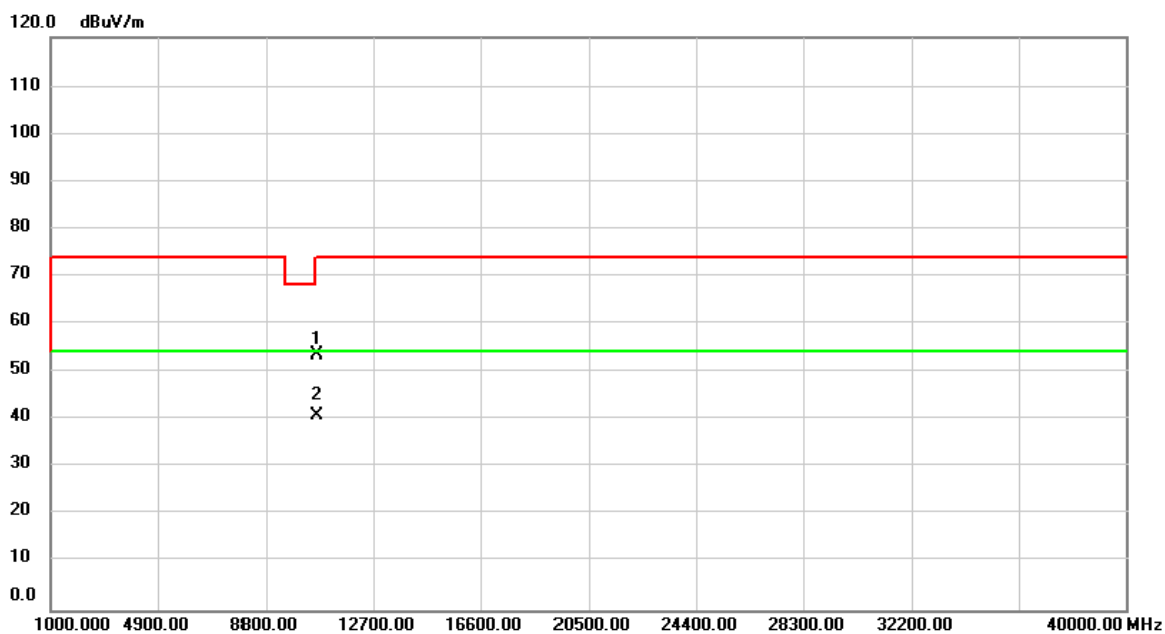
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5320.0000	69.18	37.69	106.87	74.00	32.87	Peak	No Limit
2 *	5320.0000	59.21	37.69	96.90	54.00	42.90	AVG	No Limit
3	5355.6400	15.64	37.74	53.38	74.00	-20.62	Peak	
4	5355.6400	3.88	37.74	41.62	54.00	-12.38	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

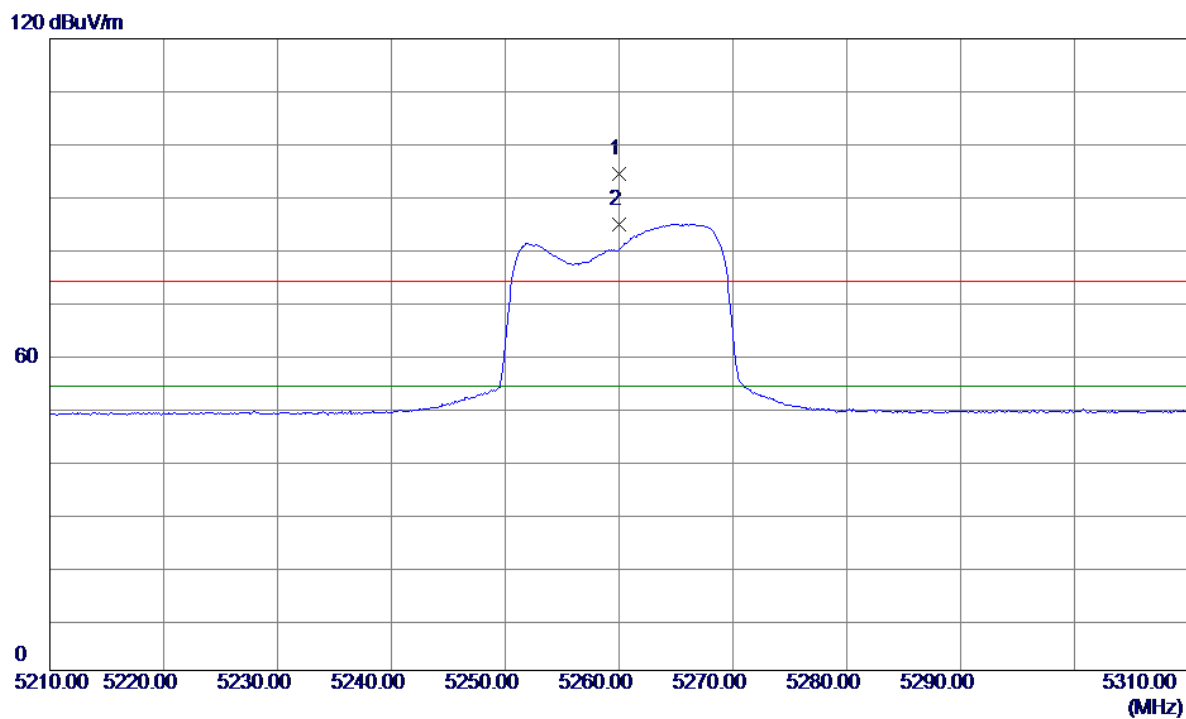
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10640.00	51.47	2.15	53.62	74.00	-20.38	peak	
2	*	10640.00	38.72	2.15	40.87	54.00	-13.13	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

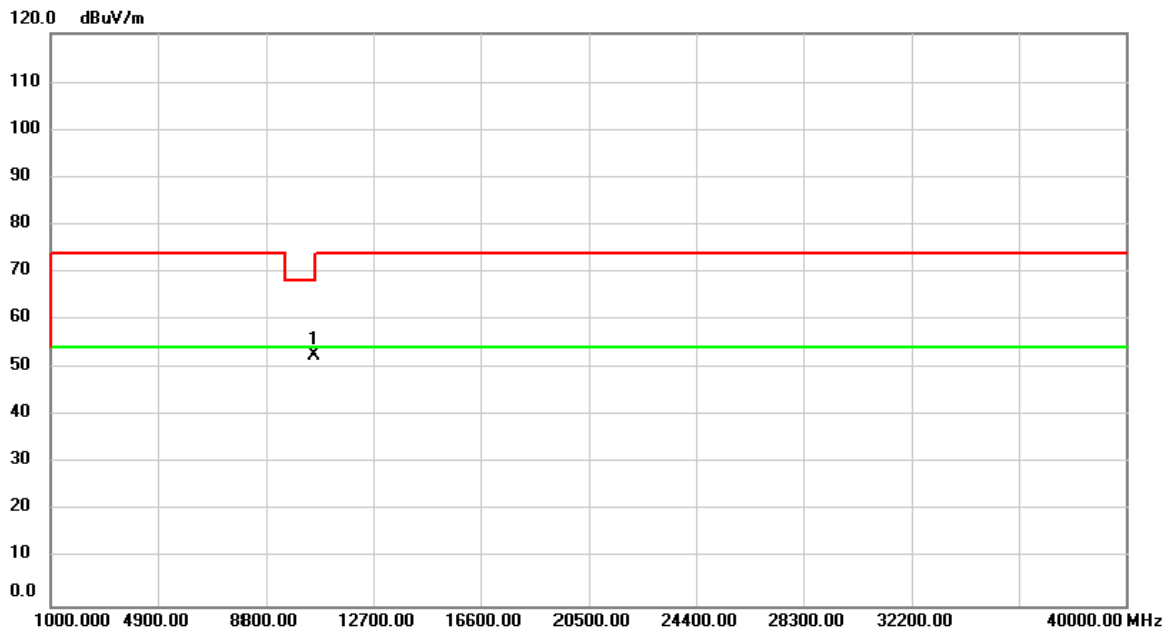
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5260.0000	56.77	37.61	94.38	74.00	20.38	Peak	No Limit
2 *	5260.0000	47.21	37.61	84.82	54.00	30.82	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

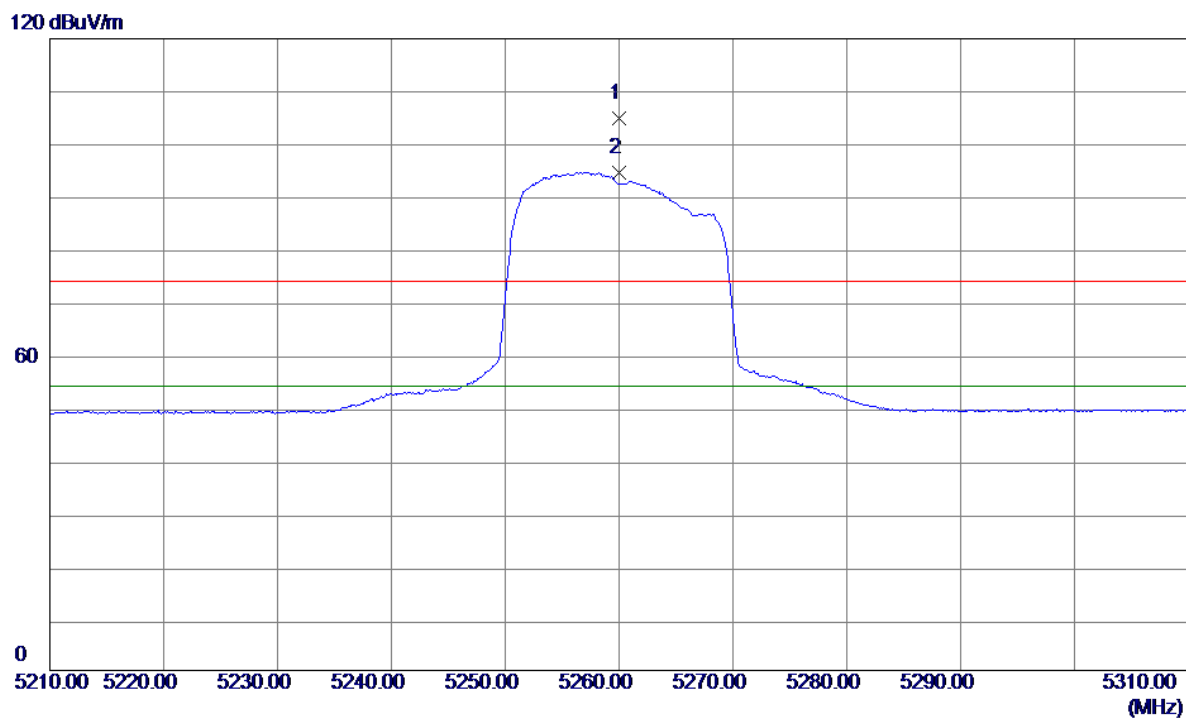
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10520.00	50.71	1.90	52.61	68.20	-15.59	peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

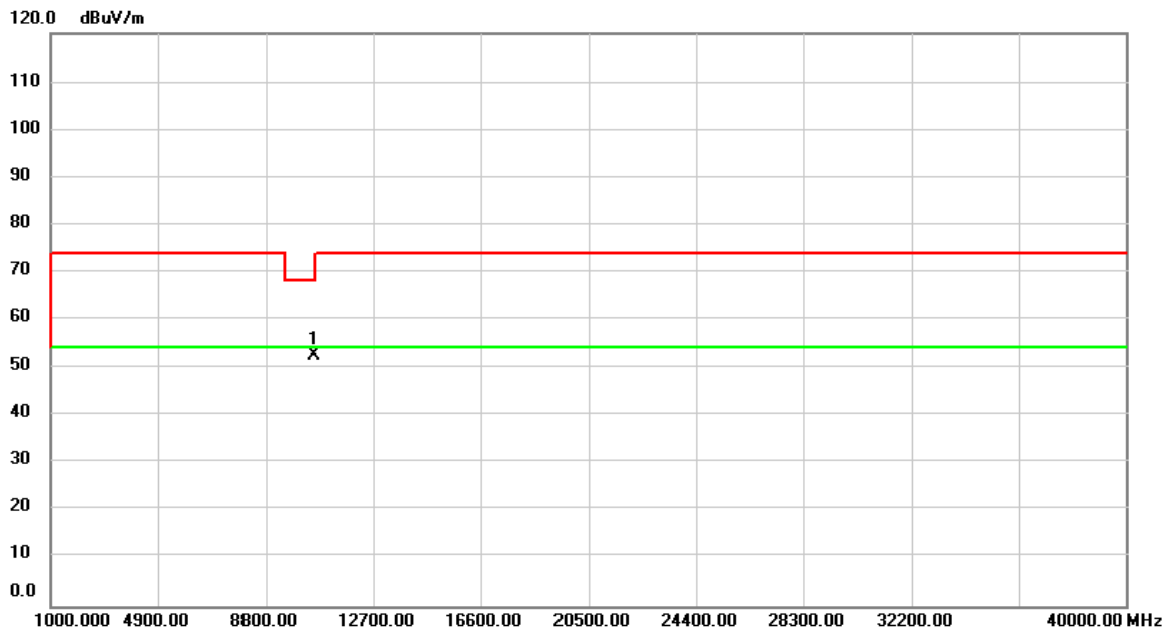
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5260.0000	67.19	37.61	104.80	74.00	30.80	Peak	No Limit
2 *	5260.0000	56.98	37.61	94.59	54.00	40.59	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

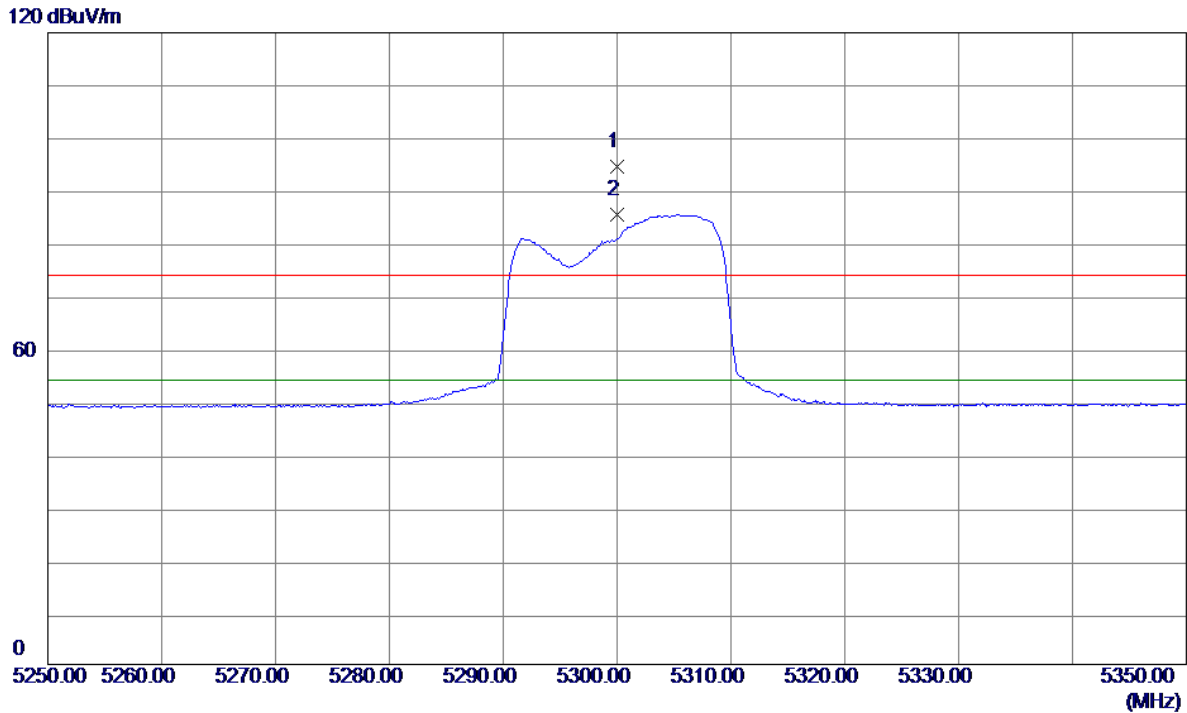
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10520.00	50.82	1.90	52.72	68.20	-15.48	peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

**Vertical**

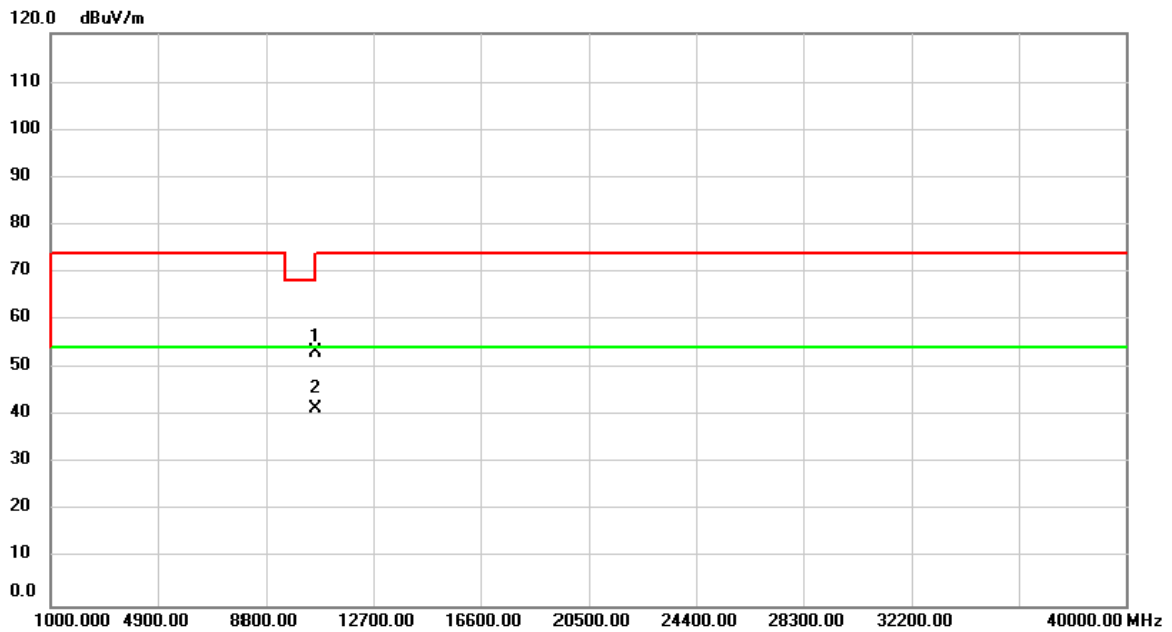


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5300.0000	56.91	37.66	94.57	74.00	20.57	Peak	No Limit
2 *	5300.0000	47.70	37.66	85.36	54.00	31.36	AVG	No Limit



Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

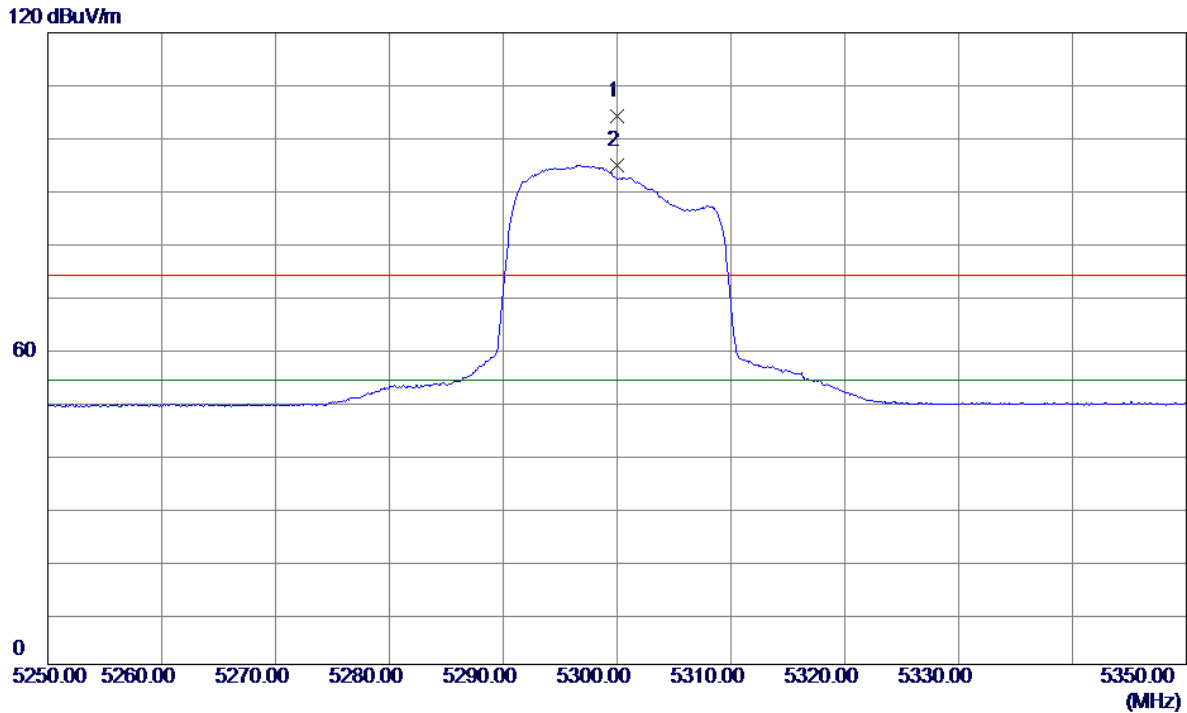
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10600.10	51.09	2.06	53.15	74.00	-20.85	peak	
2	*	10600.00	39.61	2.06	41.67	54.00	-12.33	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

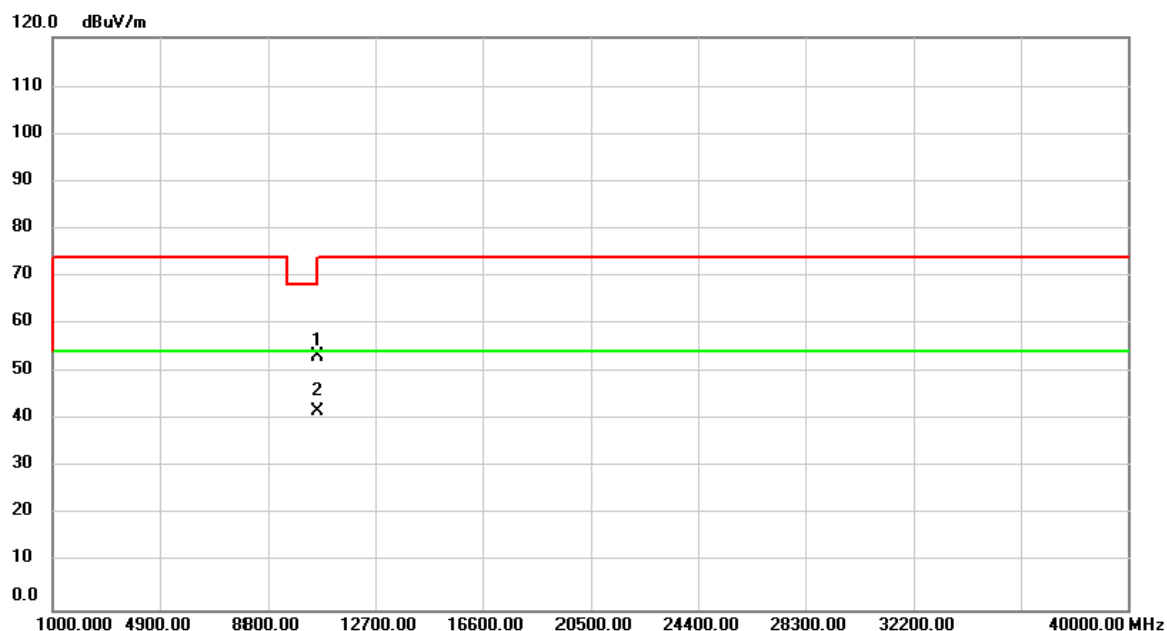
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5300.0000	66.39	37.66	104.05	74.00	30.05	Peak	No Limit
2 *	5300.0000	57.16	37.66	94.82	54.00	40.82	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

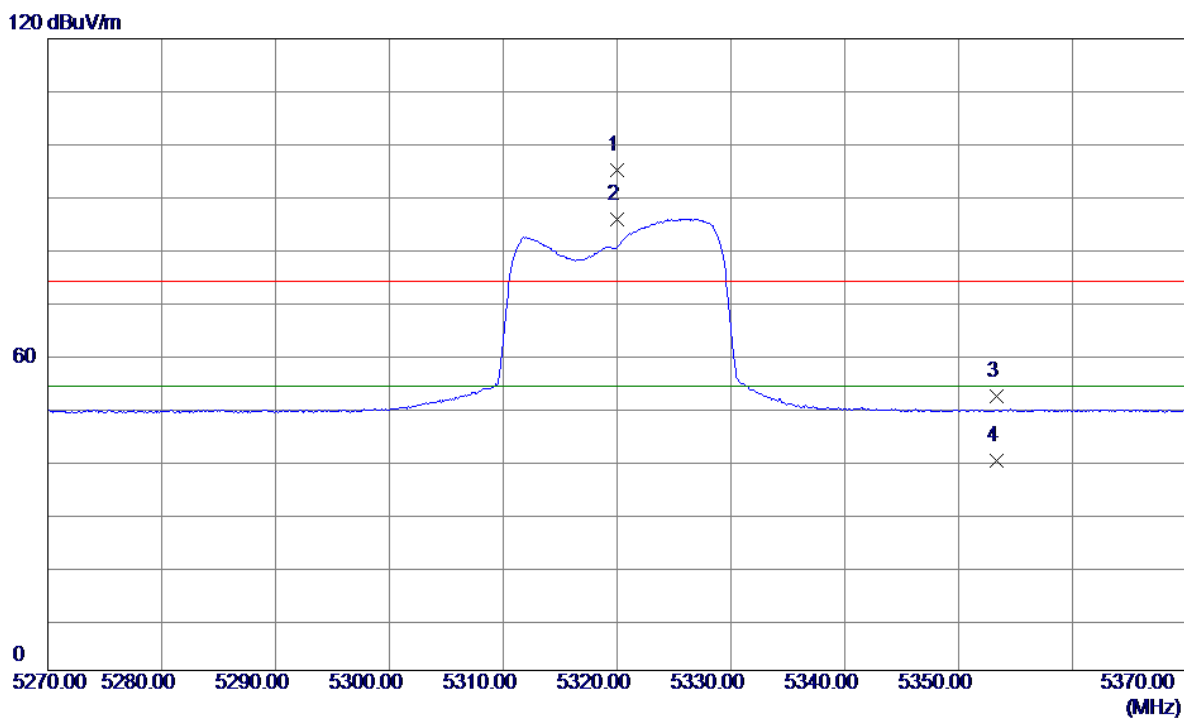
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10600.10	51.31	2.06	53.37	74.00	-20.63	peak	
2	*	10600.00	39.66	2.06	41.72	54.00	-12.28	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

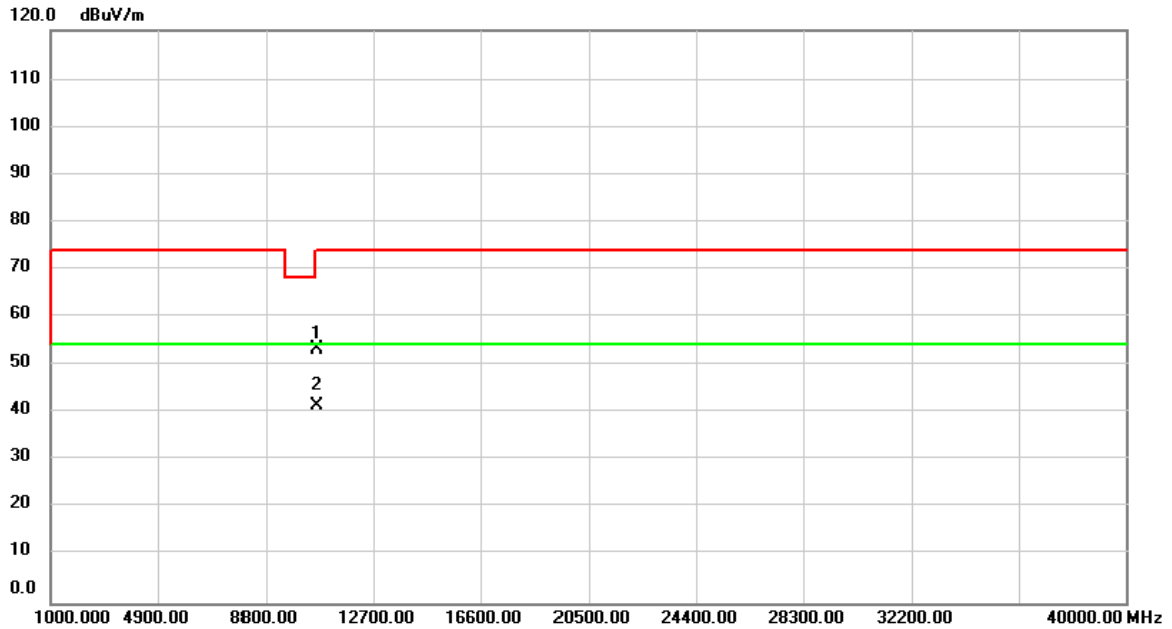
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5320.0000	57.38	37.69	95.07	74.00	21.07	Peak	No Limit
2 *	5320.0000	48.02	37.69	85.71	54.00	31.71	AVG	No Limit
3	5353.3000	14.41	37.73	52.14	74.00	-21.86	Peak	
4	5353.3000	2.19	37.73	39.92	54.00	-14.08	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

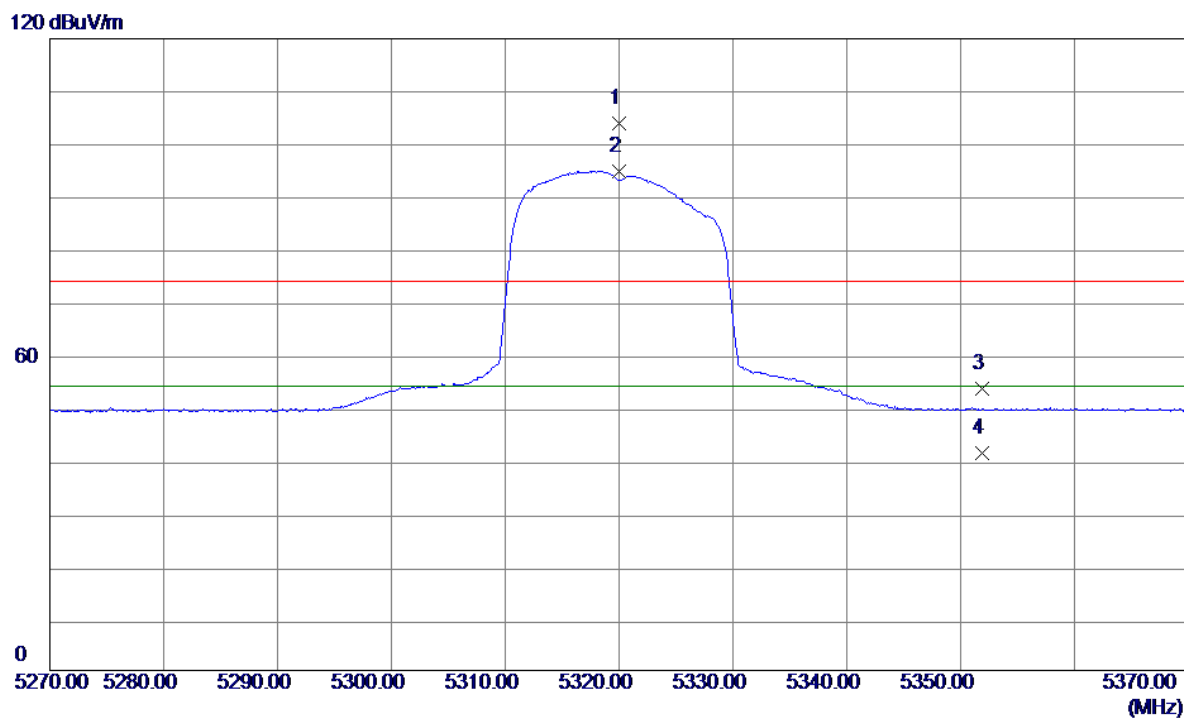
**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10640.00	50.97	2.15	53.12	74.00	-20.88	peak	
2	*	10640.00	39.41	2.15	41.56	54.00	-12.44	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

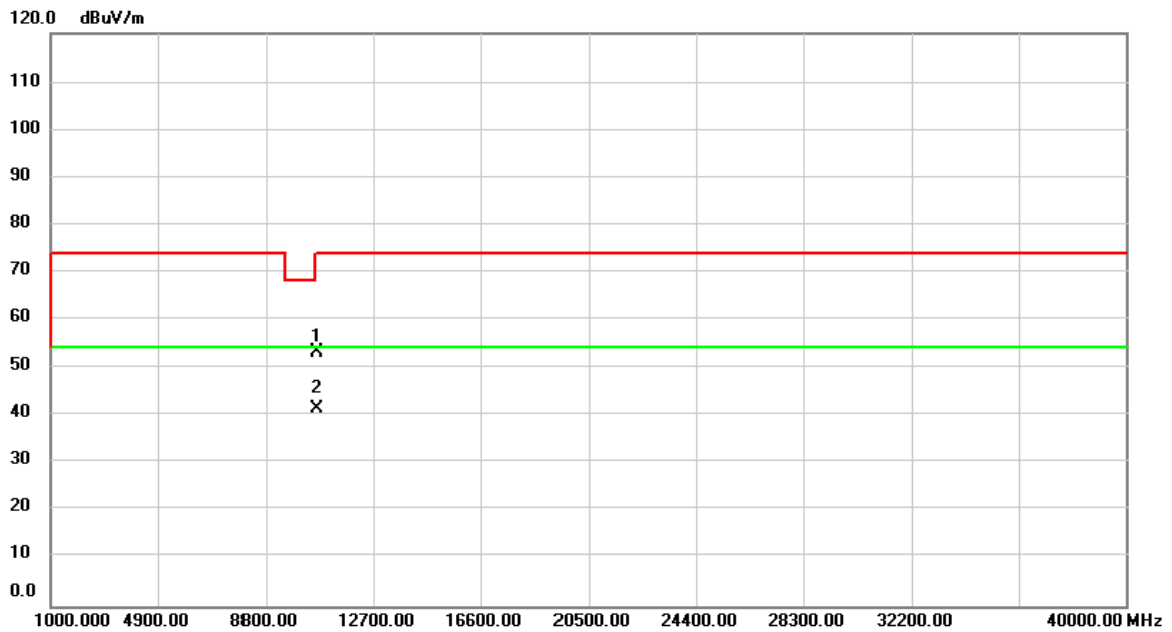
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5320.0000	66.17	37.69	103.86	74.00	29.86	Peak	No Limit
2 *	5320.0000	57.18	37.69	94.87	54.00	40.87	AVG	No Limit
3	5351.9000	15.79	37.73	53.52	74.00	-20.48	Peak	
4	5351.9000	3.50	37.73	41.23	54.00	-12.77	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

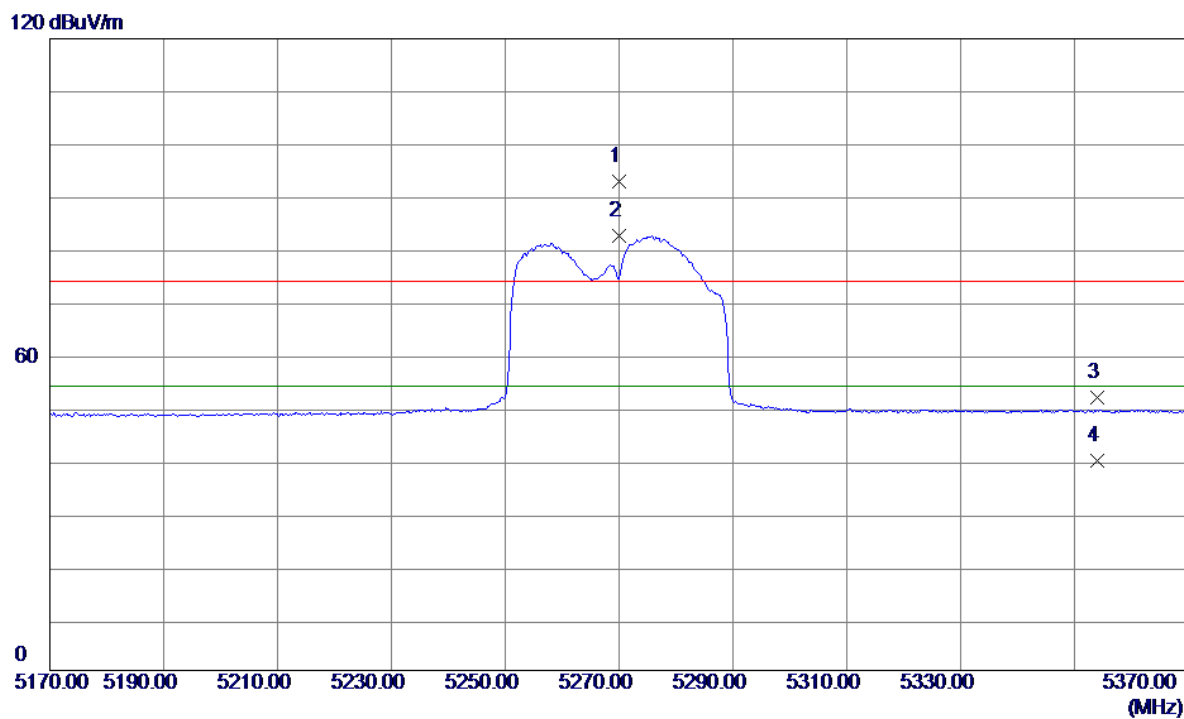
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10640.00	50.96	2.15	53.11	74.00	-20.89	peak	
2	*	10640.00	39.52	2.15	41.67	54.00	-12.33	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

### Vertical

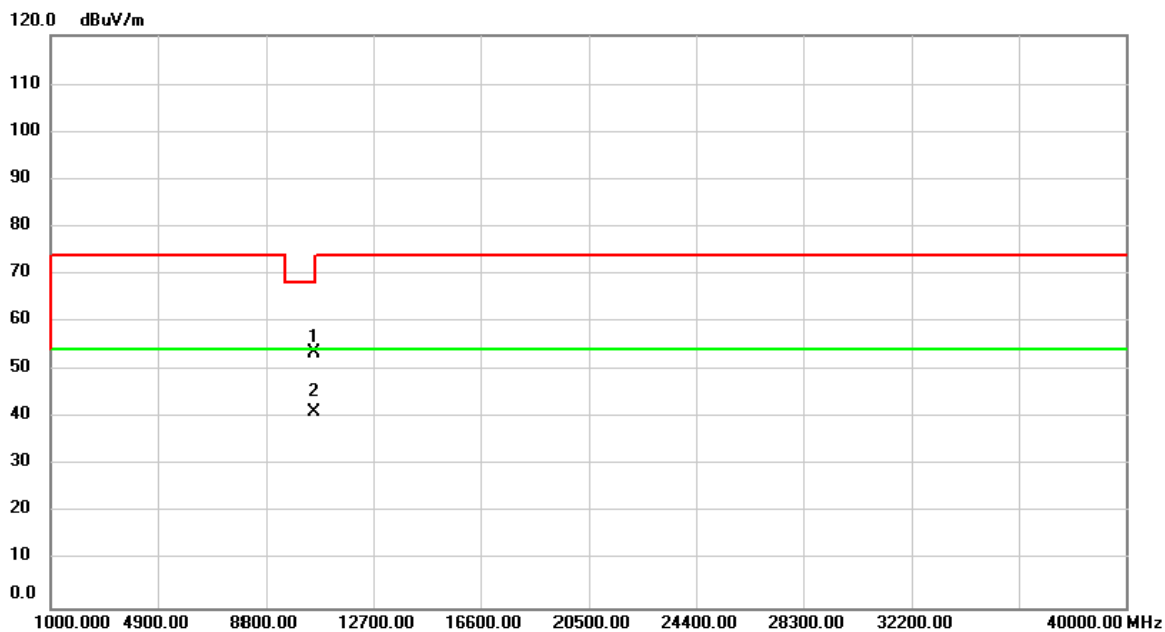


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5270.0000	55.14	37.63	92.77	74.00	18.77	Peak	No Limit
2 *	5270.0000	44.84	37.63	82.47	54.00	28.47	AVG	No Limit
3	5353.9800	14.22	37.73	51.95	74.00	-22.05	Peak	
4	5353.9800	2.11	37.73	39.84	54.00	-14.16	AVG	



Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

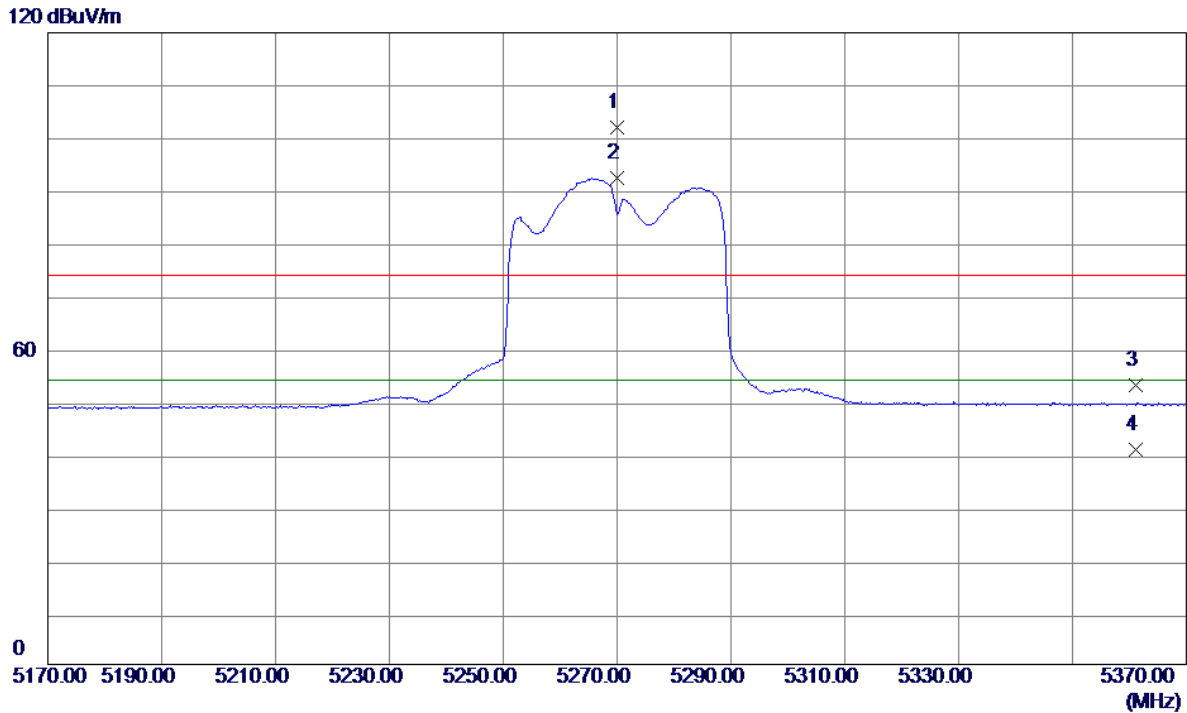
**Vertical**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10540.00	51.65	1.95	53.60	68.20	-14.60	peak	
2	*	10540.00	39.45	1.95	41.40	54.00	-12.60	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

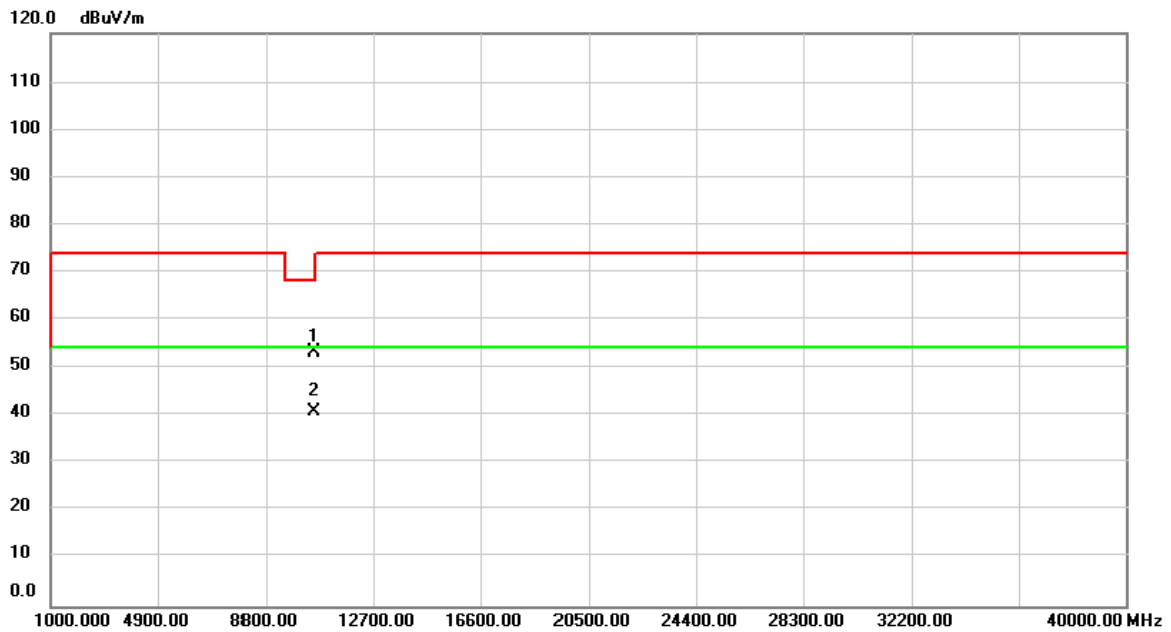
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5270.0000	64.37	37.63	102.00	74.00	28.00	Peak	No Limit
2 *	5270.0000	54.77	37.63	92.40	54.00	38.40	AVG	No Limit
3	5361.0800	15.20	37.74	52.94	74.00	-21.06	Peak	
4	5361.0800	3.16	37.74	40.90	54.00	-13.10	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

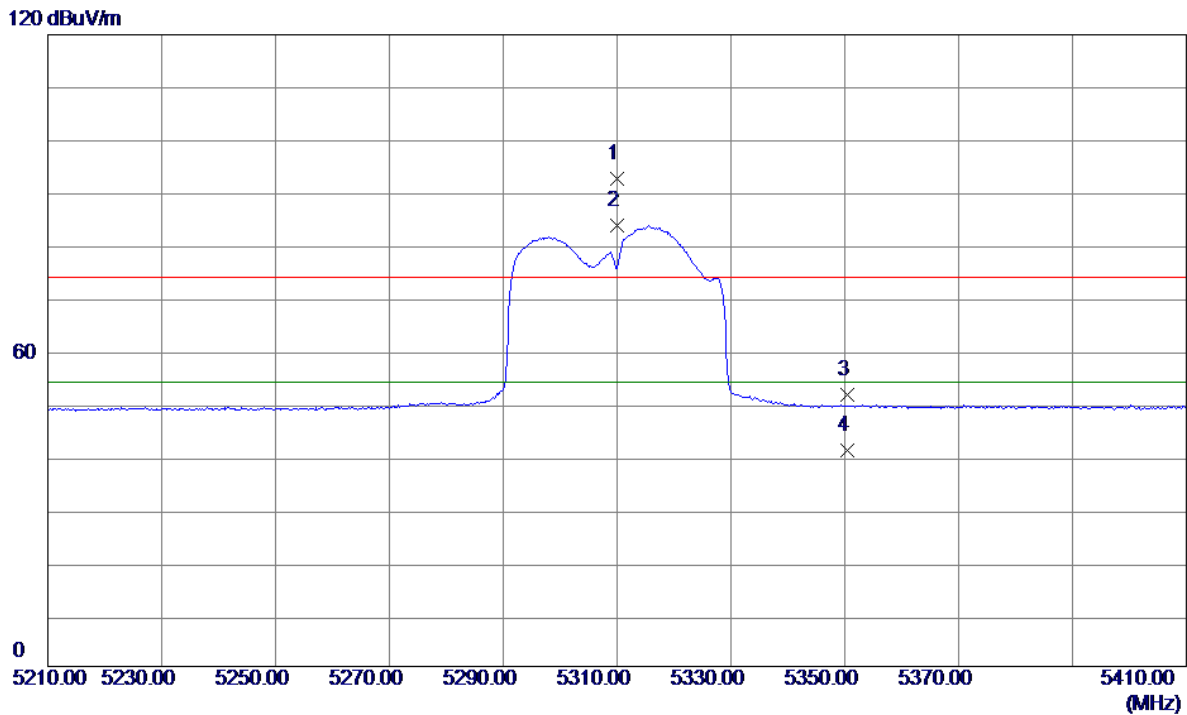
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10540.00	51.44	1.95	53.39	68.20	-14.81	peak	
2	*	10540.00	39.14	1.95	41.09	54.00	-12.91	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

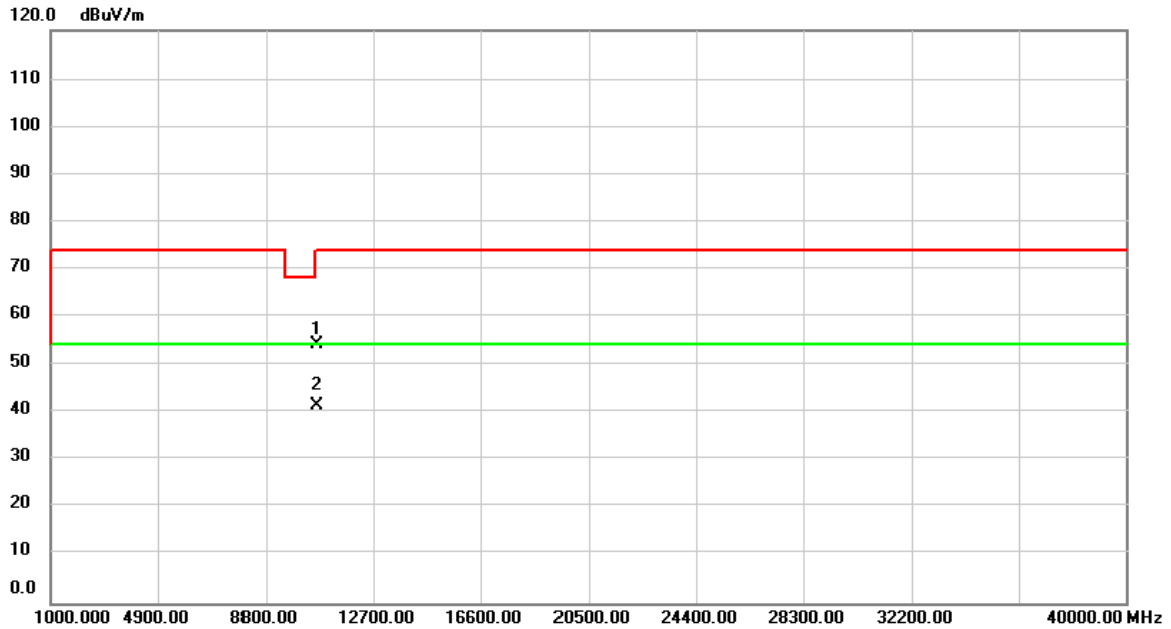
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5310.0000	54.91	37.68	92.59	74.00	18.59	Peak	No Limit
2 *	5310.0000	46.00	37.68	83.68	54.00	29.68	AVG	No Limit
3	5350.5400	13.98	37.73	51.71	74.00	-22.29	Peak	
4	5350.5400	3.35	37.73	41.08	54.00	-12.92	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

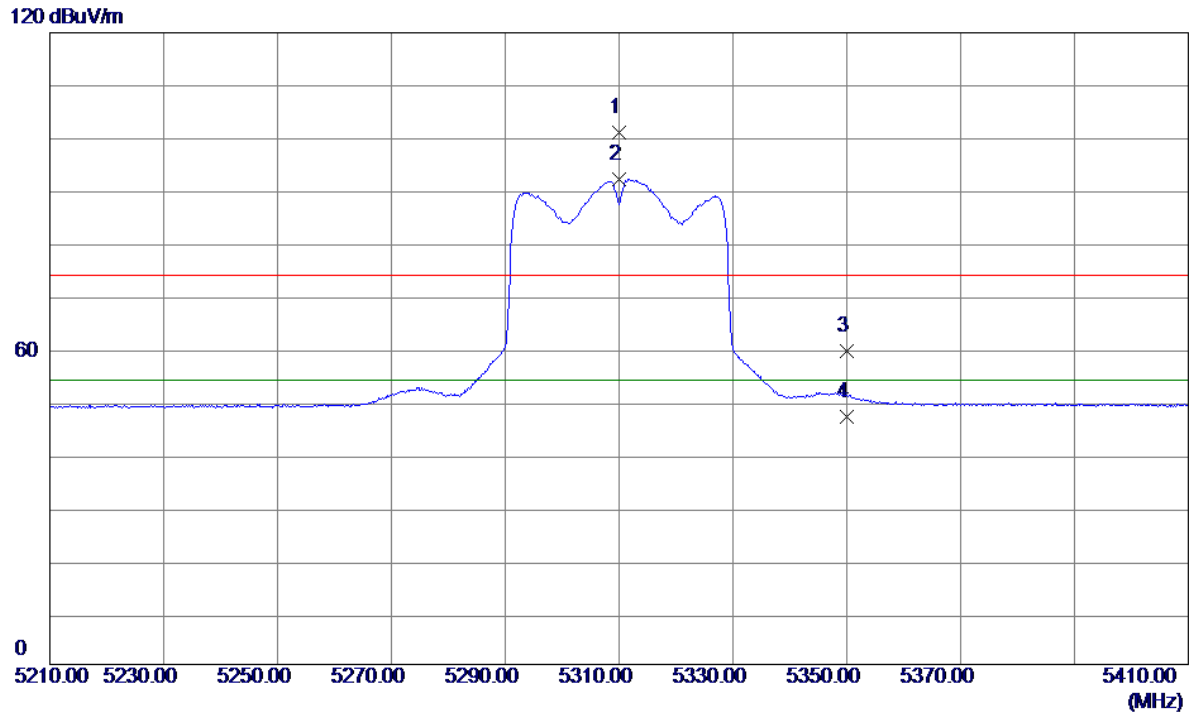
**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10620.00	52.10	2.10	54.20	74.00	-19.80	peak	
2	*	10620.00	39.47	2.10	41.57	54.00	-12.43	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

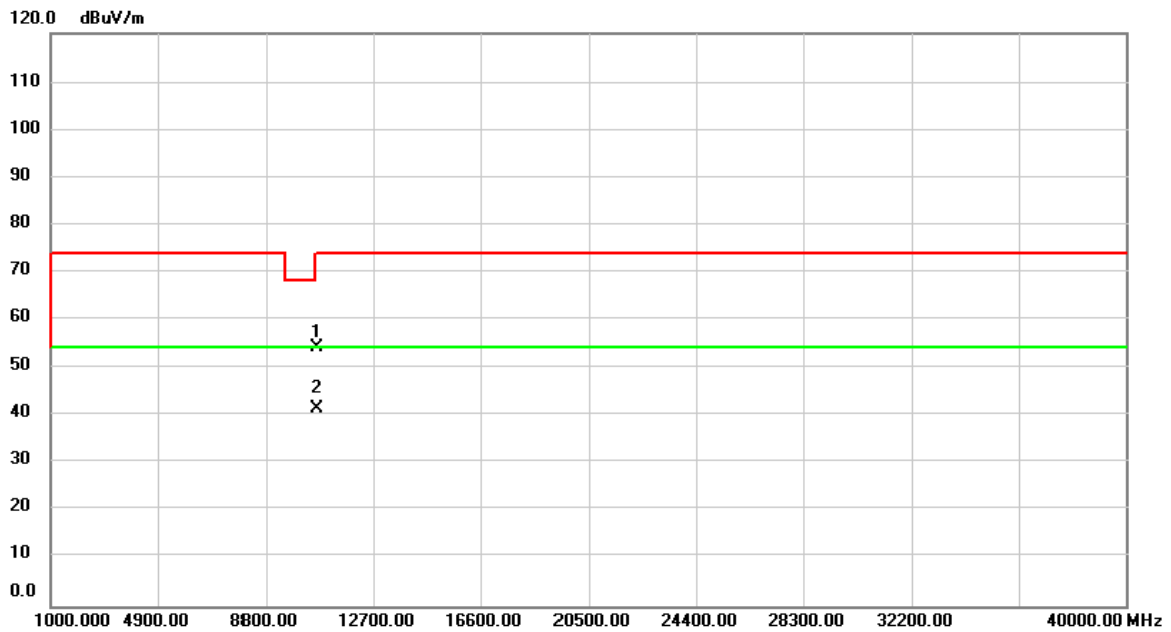
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5310.0000	63.36	37.68	101.04	74.00	27.04	Peak	No Limit
2 *	5310.0000	54.47	37.68	92.15	54.00	38.15	AVG	No Limit
3	5350.0000	21.83	37.73	59.56	74.00	-14.44	Peak	
4	5350.0000	9.21	37.73	46.94	54.00	-7.06	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

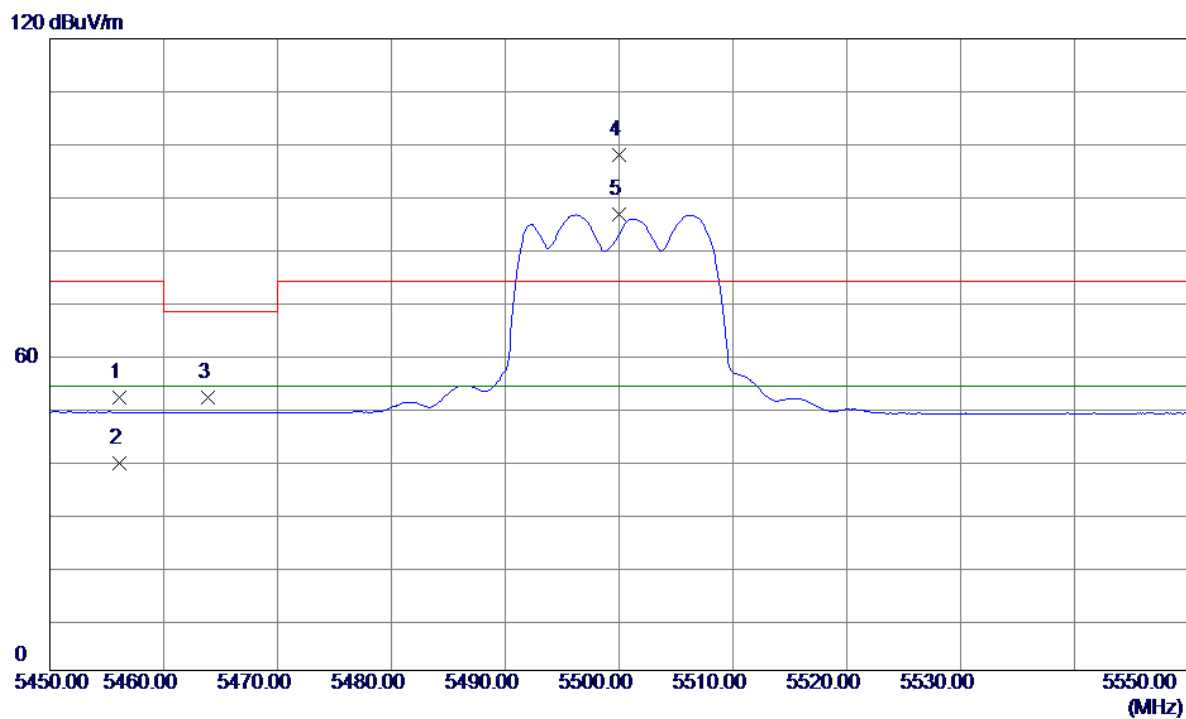
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10620.00	52.11	2.10	54.21	74.00	-19.79	peak	
2	*	10620.00	39.51	2.10	41.61	54.00	-12.39	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

### Vertical

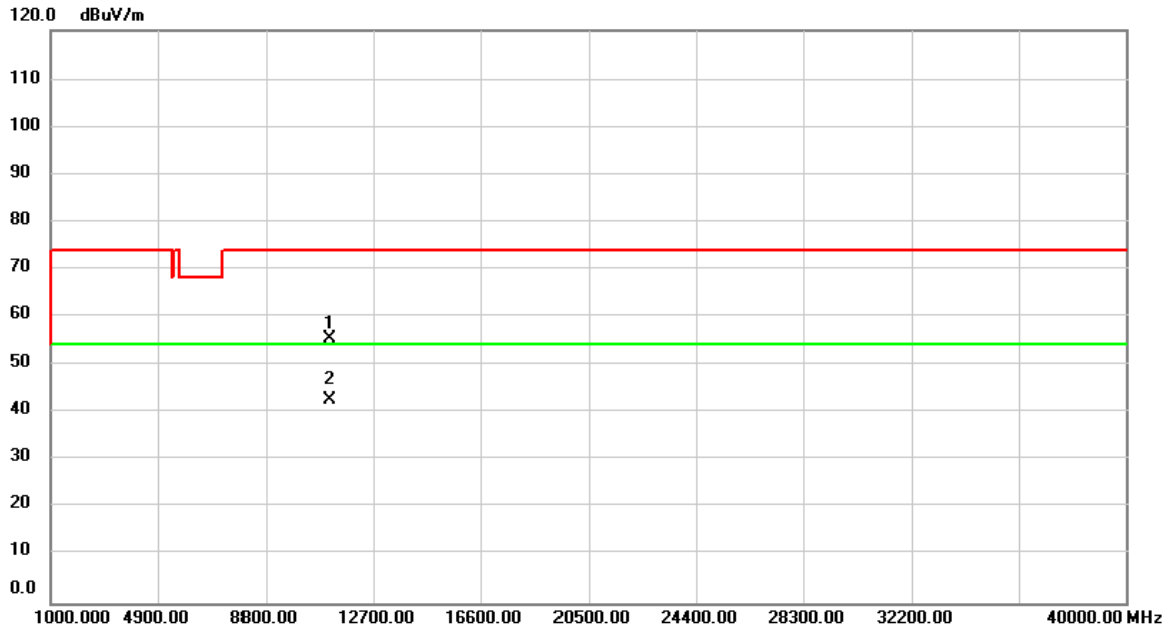


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5456.0800	13.93	37.86	51.79	74.00	-22.21	Peak	
2	5456.0800	1.40	37.86	39.26	54.00	-14.74	AVG	
3	5463.8700	13.98	37.87	51.85	68.20	-16.35	Peak	
4	5500.0000	59.95	37.92	97.87	74.00	23.87	Peak	No Limit
5 *	5500.0000	48.62	37.92	86.54	54.00	32.54	AVG	No Limit



Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

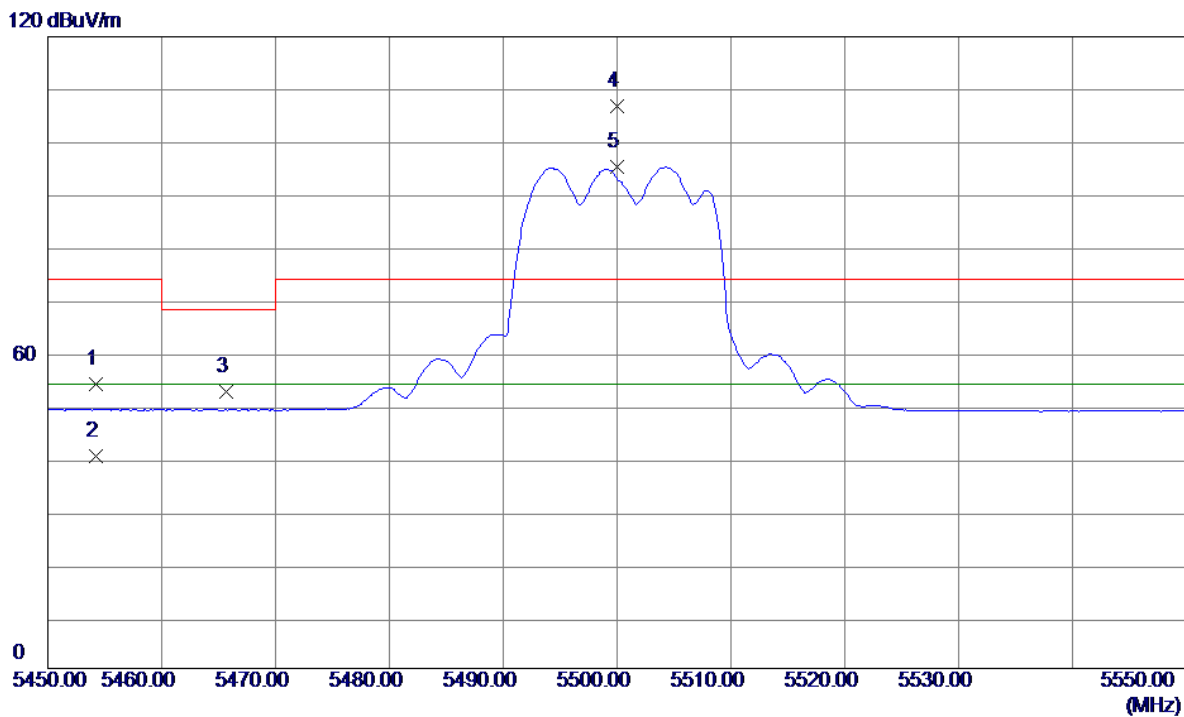
**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11100.00	52.36	3.01	55.37	74.00	-18.63	peak	
2	*	11100.00	39.60	3.01	42.61	54.00	-11.39	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

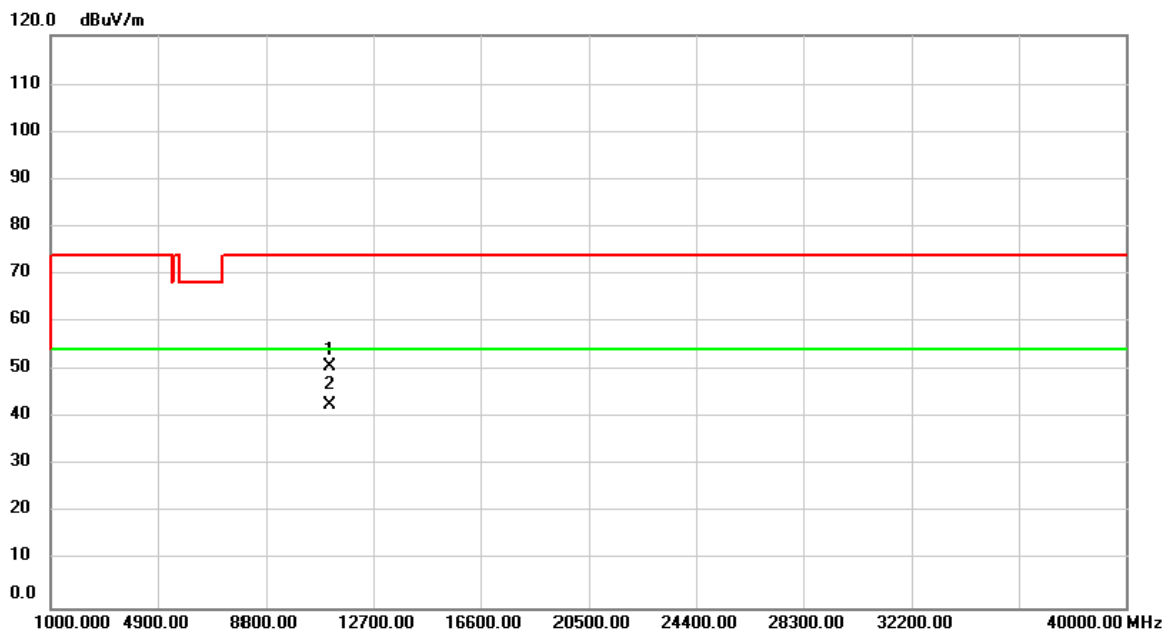
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5454.2000	16.20	37.86	54.06	74.00	-19.94	Peak	
2	5454.2000	2.46	37.86	40.32	54.00	-13.68	AVG	
3	5465.6900	14.66	37.88	52.54	68.20	-15.66	Peak	
4	5500.0000	68.78	37.92	106.70	74.00	32.70	Peak	No Limit
5 *	5500.0000	57.25	37.92	95.17	54.00	41.17	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

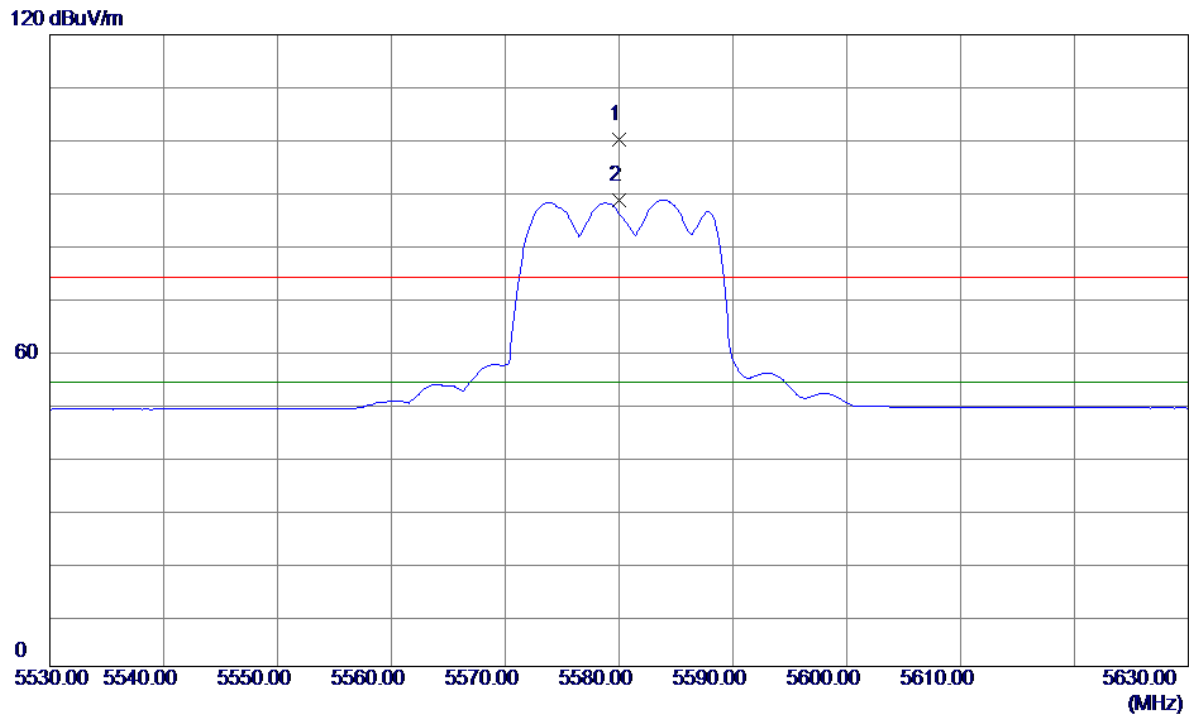
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11100.00	47.76	3.01	50.77	74.00	-23.23	peak	
2	*	11100.00	39.66	3.01	42.67	54.00	-11.33	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

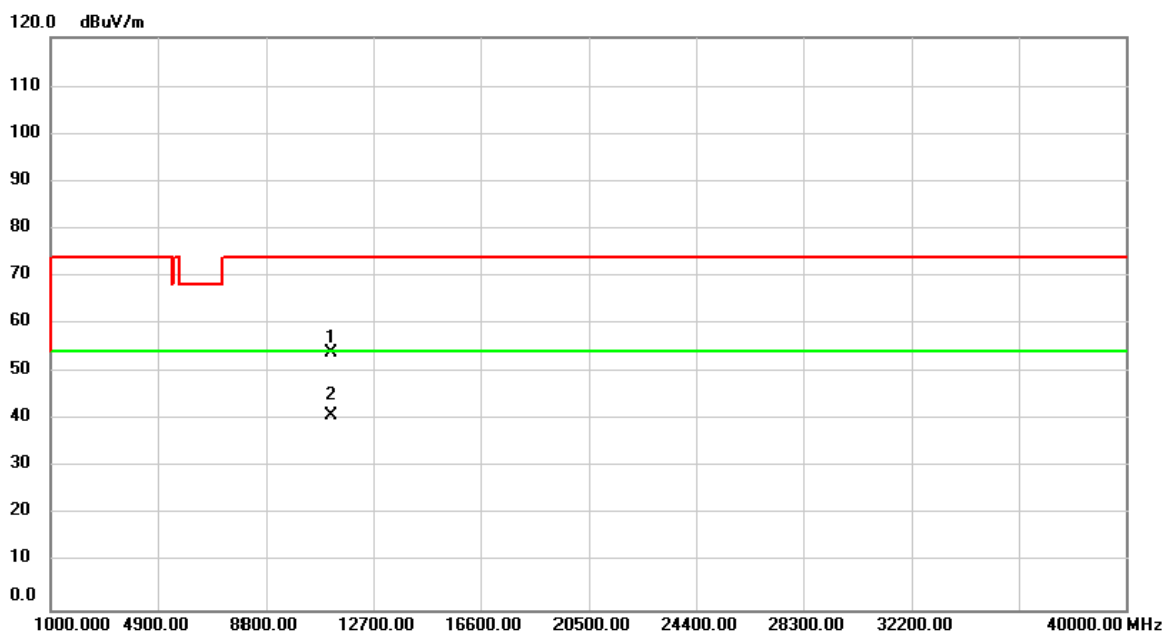
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5580.0000	61.97	38.12	100.09	74.00	26.09	Peak	No Limit
2 *	5580.0000	50.50	38.12	88.62	54.00	34.62	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

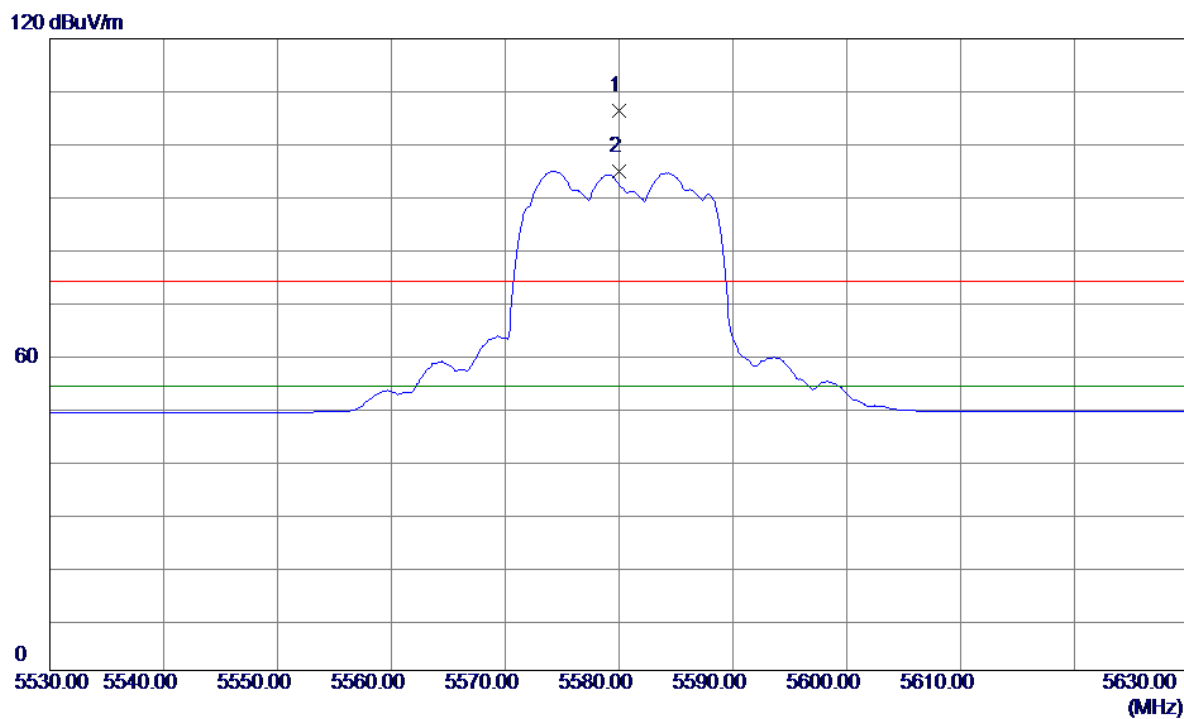
# Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11160.00	50.69	3.10	53.79	74.00	-20.21	peak	
2	*	11160.00	37.98	3.10	41.08	54.00	-12.92	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

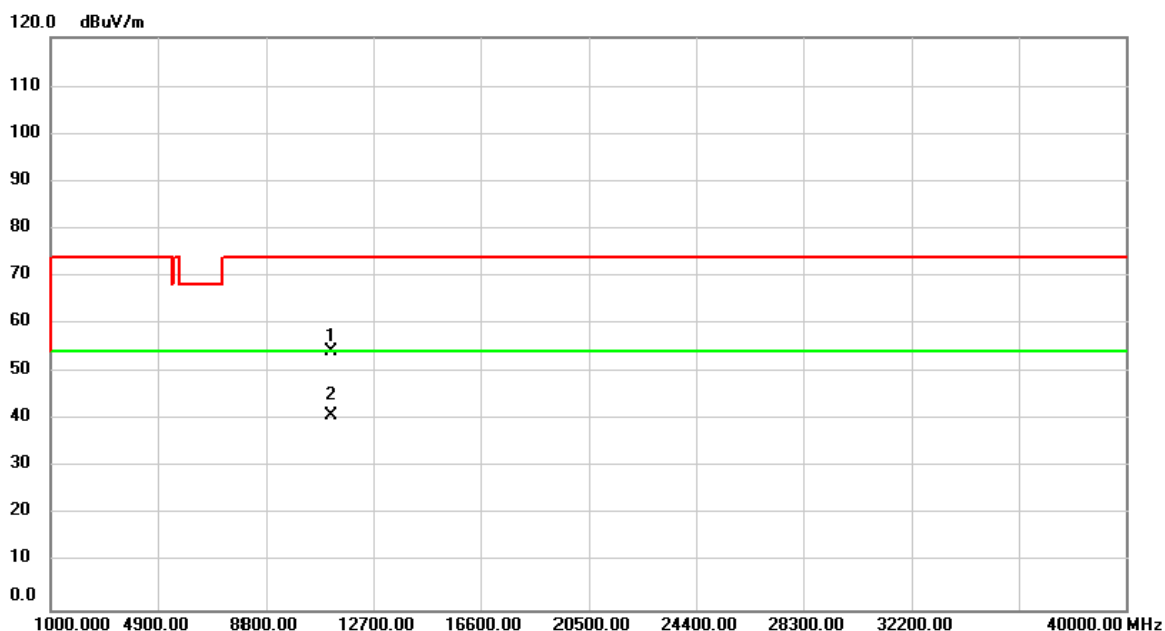
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5580.0000	68.29	38.12	106.41	74.00	32.41	Peak	No Limit
2 *	5580.0000	56.69	38.12	94.81	54.00	40.81	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

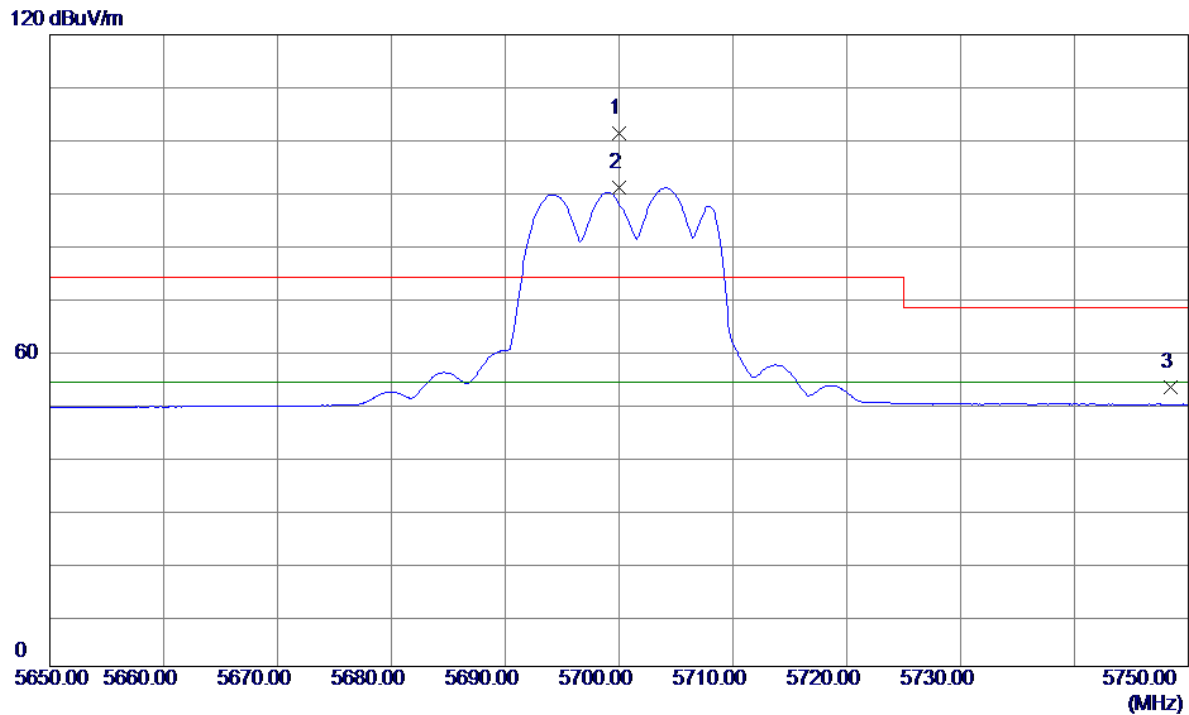
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11160.00	50.96	3.10	54.06	74.00	-19.94	peak	
2	*	11160.00	37.93	3.10	41.03	54.00	-12.97	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

### Vertical

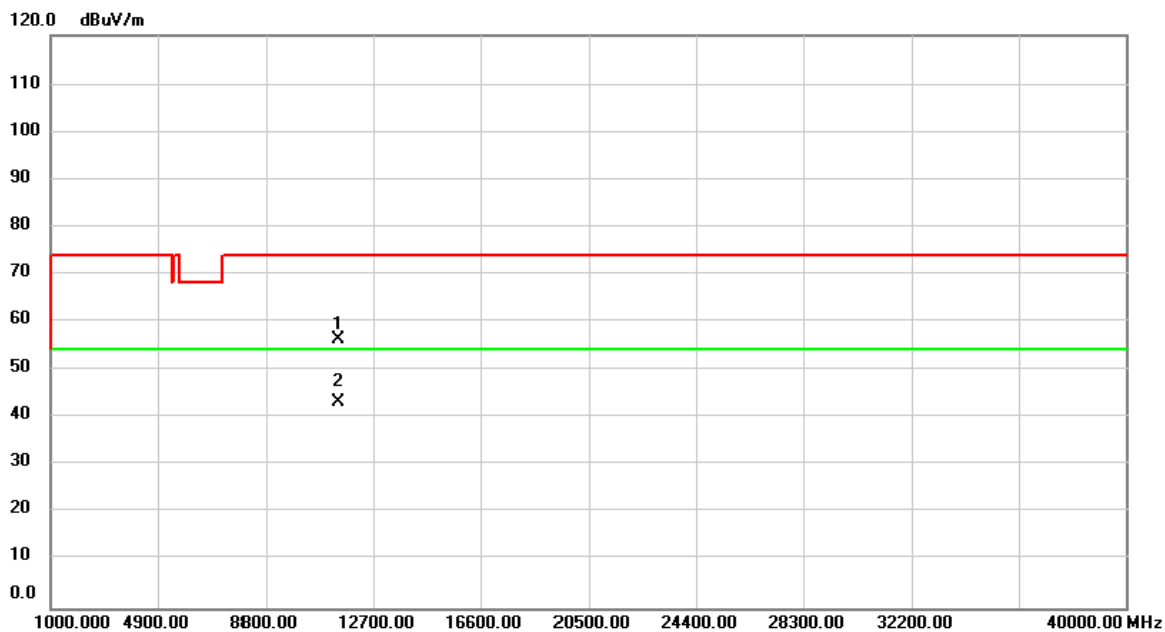


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5700.0000	62.81	38.42	101.23	74.00	27.23	Peak	No Limit
2 *	5700.0000	52.48	38.42	90.90	54.00	36.90	AVG	No Limit
3	5748.4000	14.58	38.55	53.13	68.20	-15.07	Peak	



Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

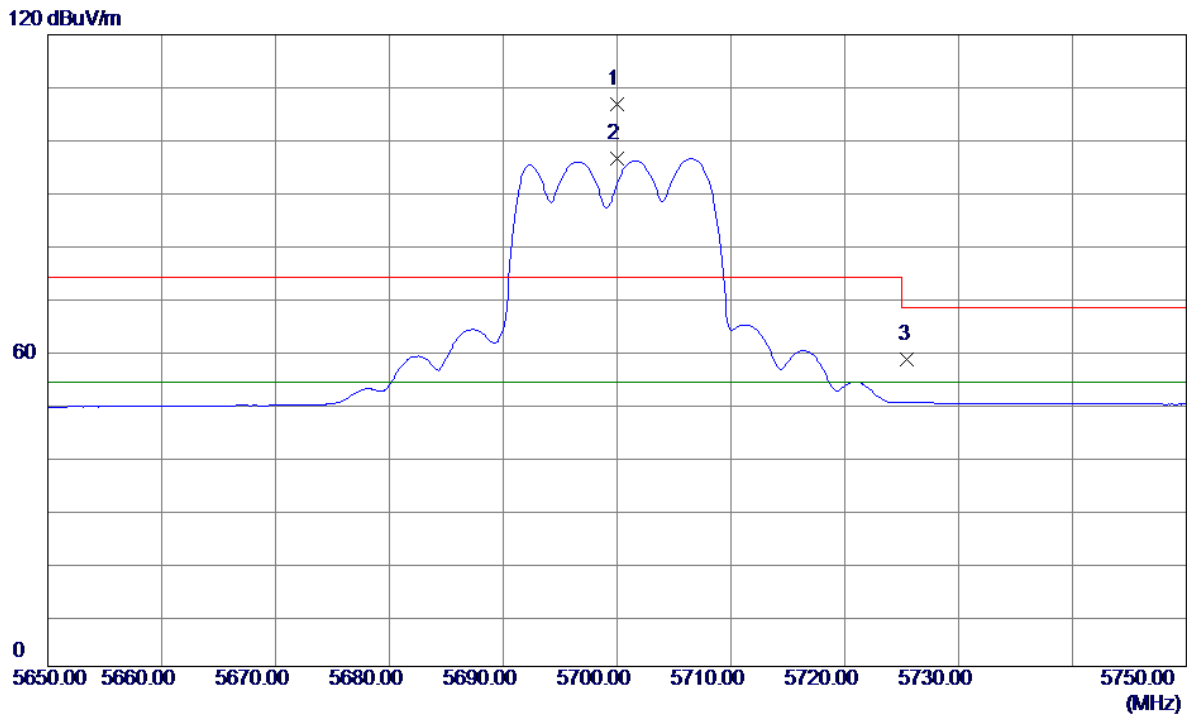
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11400.00	52.77	3.46	56.23	74.00	-17.77	peak	
2	*	11400.00	39.88	3.46	43.34	54.00	-10.66	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

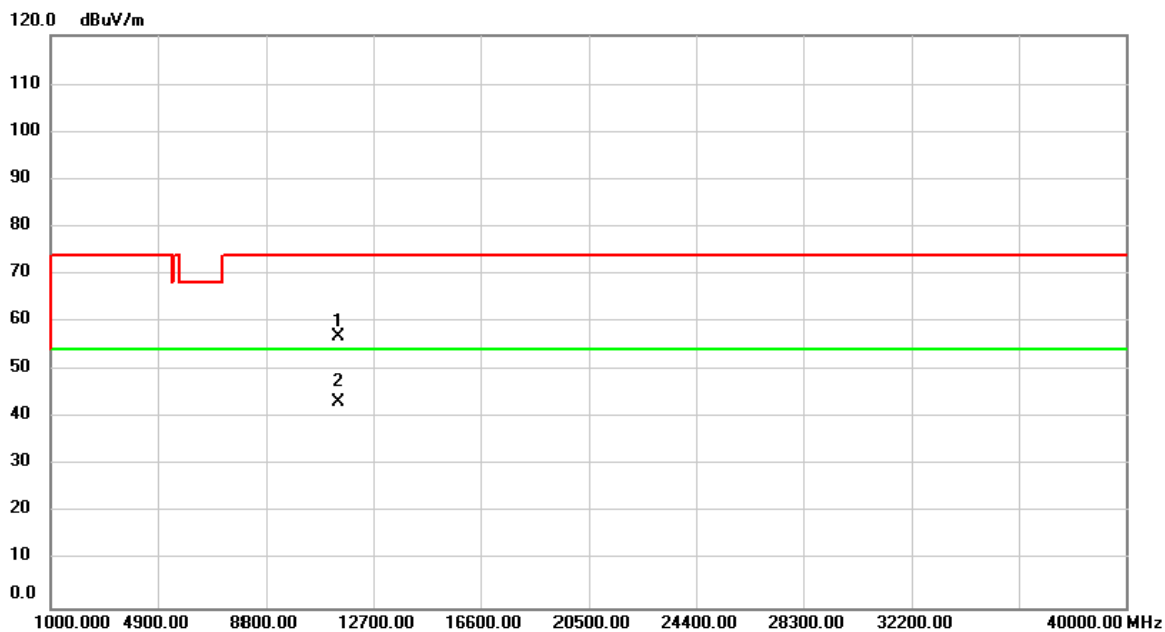
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5700.0000	68.28	38.42	106.70	74.00	32.70	Peak	No Limit
2 *	5700.0000	58.01	38.42	96.43	54.00	42.43	AVG	No Limit
3	5725.5000	19.82	38.49	58.31	68.20	-9.89	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

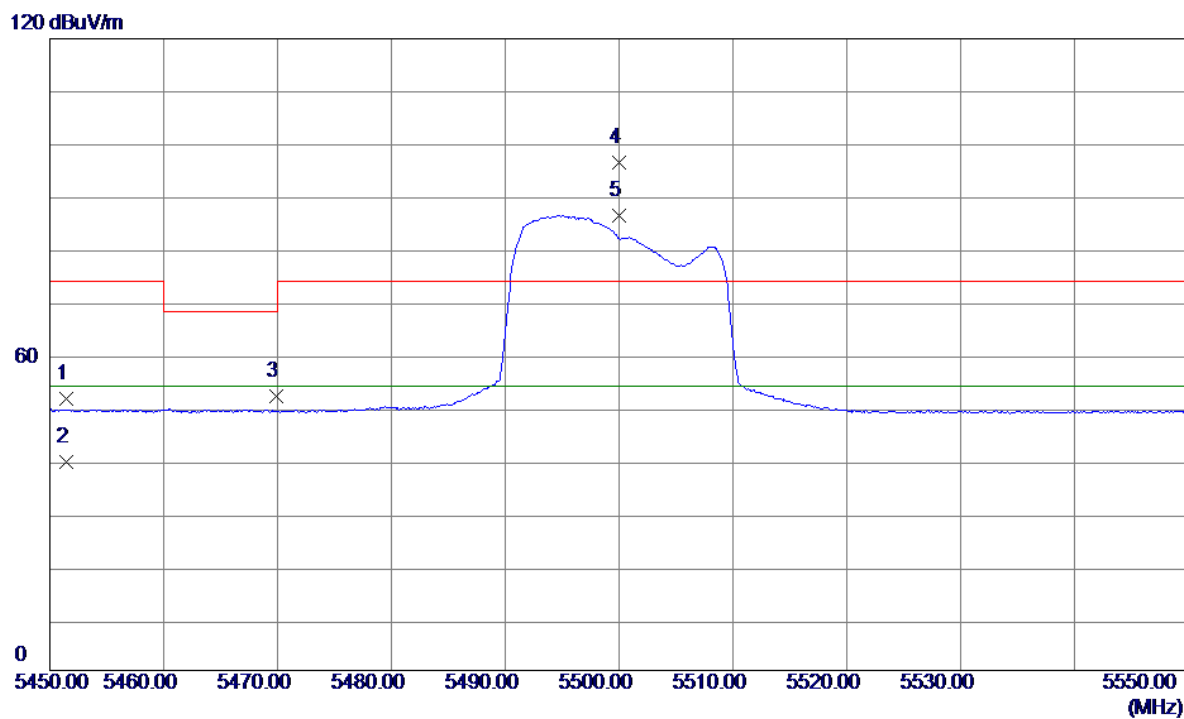
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11400.00	53.49	3.46	56.95	74.00	-17.05	peak	
2	*	11400.00	39.88	3.46	43.34	54.00	-10.66	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

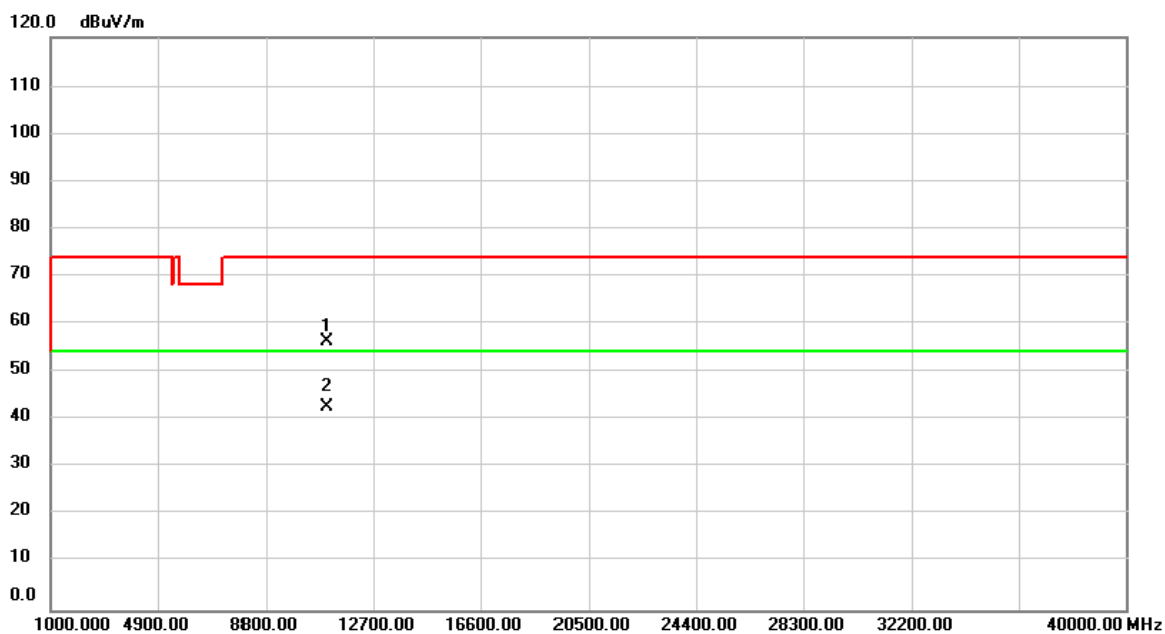
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5451.4200	13.63	37.86	51.49	74.00	-22.51	Peak	
2	5451.4200	1.80	37.86	39.66	54.00	-14.34	AVG	
3	5469.8700	14.11	37.88	51.99	68.20	-16.21	Peak	
4	5500.0000	58.58	37.92	96.50	74.00	22.50	Peak	No Limit
5 *	5500.0000	48.53	37.92	86.45	54.00	32.45	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

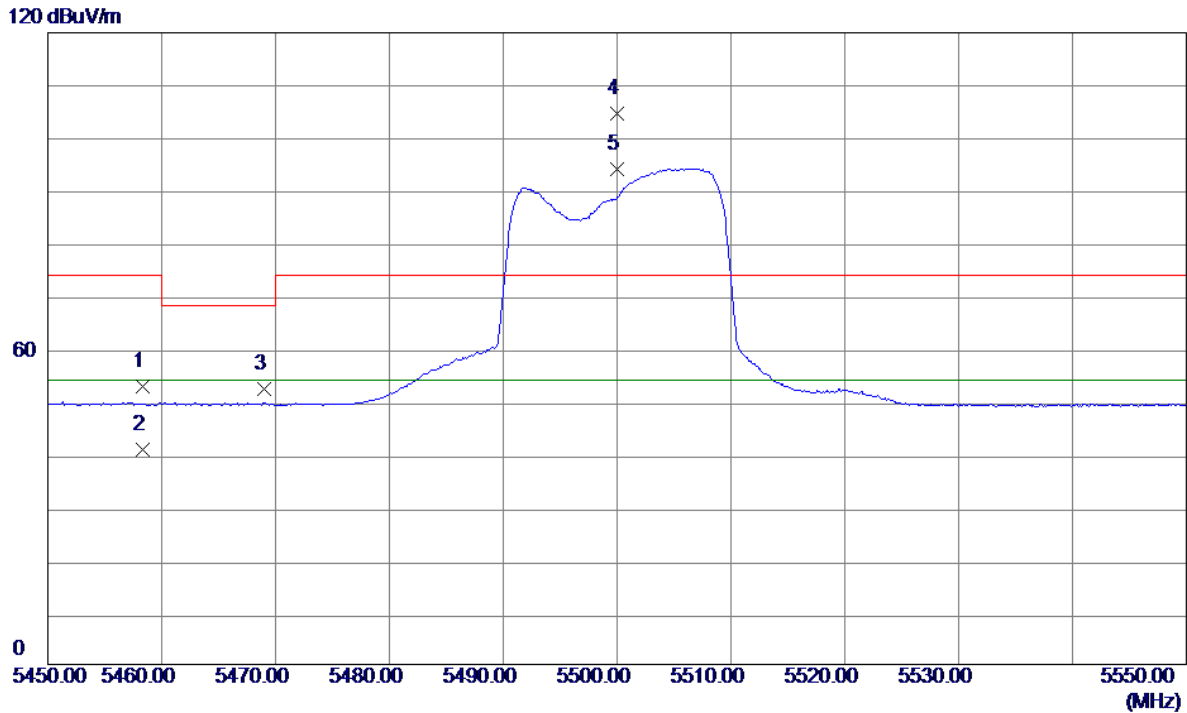
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11000.00	53.34	2.85	56.19	74.00	-17.81	peak	
2	*	11000.00	39.77	2.85	42.62	54.00	-11.38	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

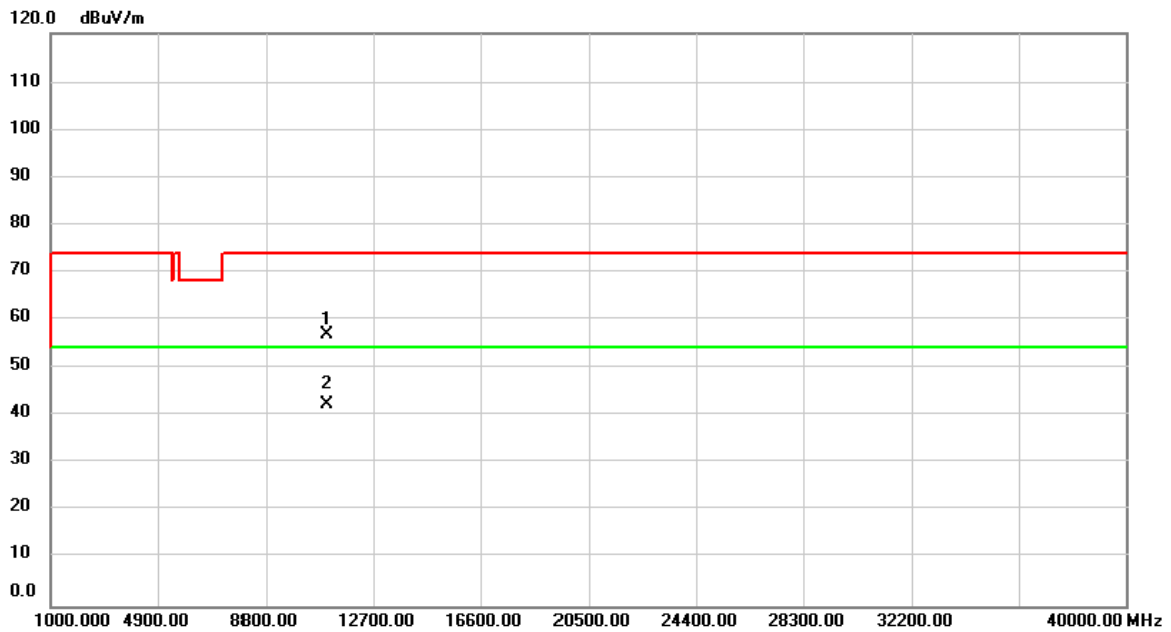
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5458.3100	14.94	37.87	52.81	74.00	-21.19	Peak	
2	5458.3100	2.82	37.87	40.69	54.00	-13.31	AVG	
3	5468.9700	14.55	37.88	52.43	68.20	-15.77	Peak	
4	5500.0000	66.76	37.92	104.68	74.00	30.68	Peak	No Limit
5 *	5500.0000	56.25	37.92	94.17	54.00	40.17	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

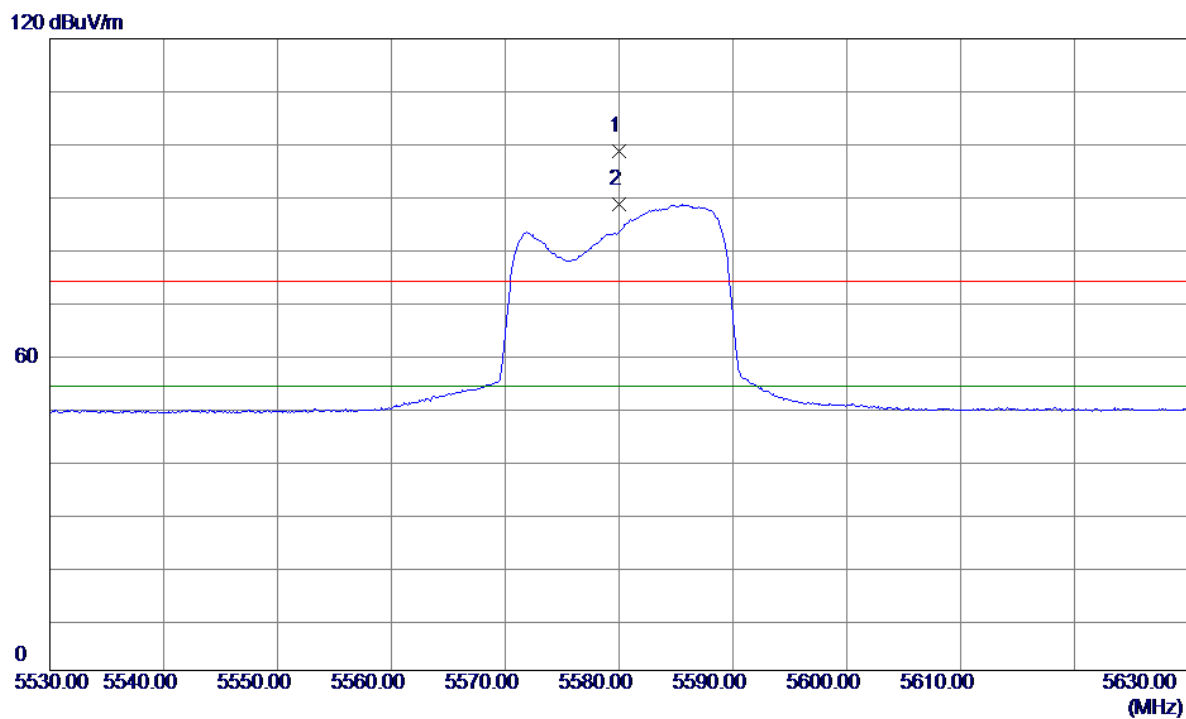
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11000.00	53.88	2.85	56.73	74.00	-17.27	peak	
2	*	11000.00	39.70	2.85	42.55	54.00	-11.45	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

### Vertical

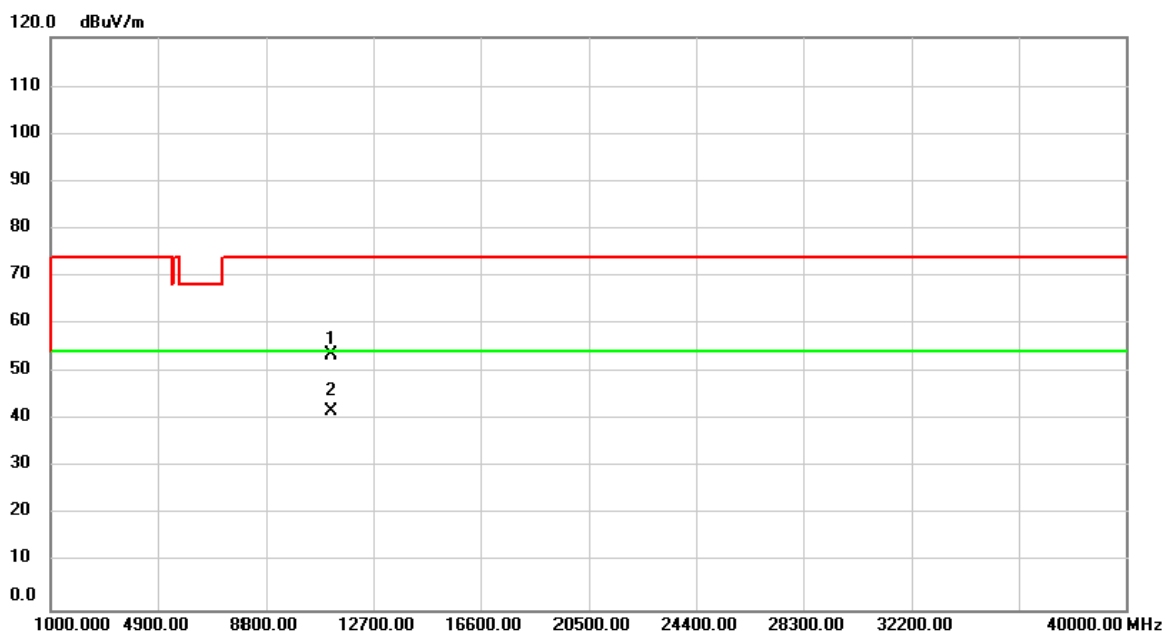


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5580.0000	60.47	38.12	98.59	74.00	24.59	Peak	No Limit
2 *	5580.0000	50.33	38.12	88.45	54.00	34.45	AVG	No Limit



Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

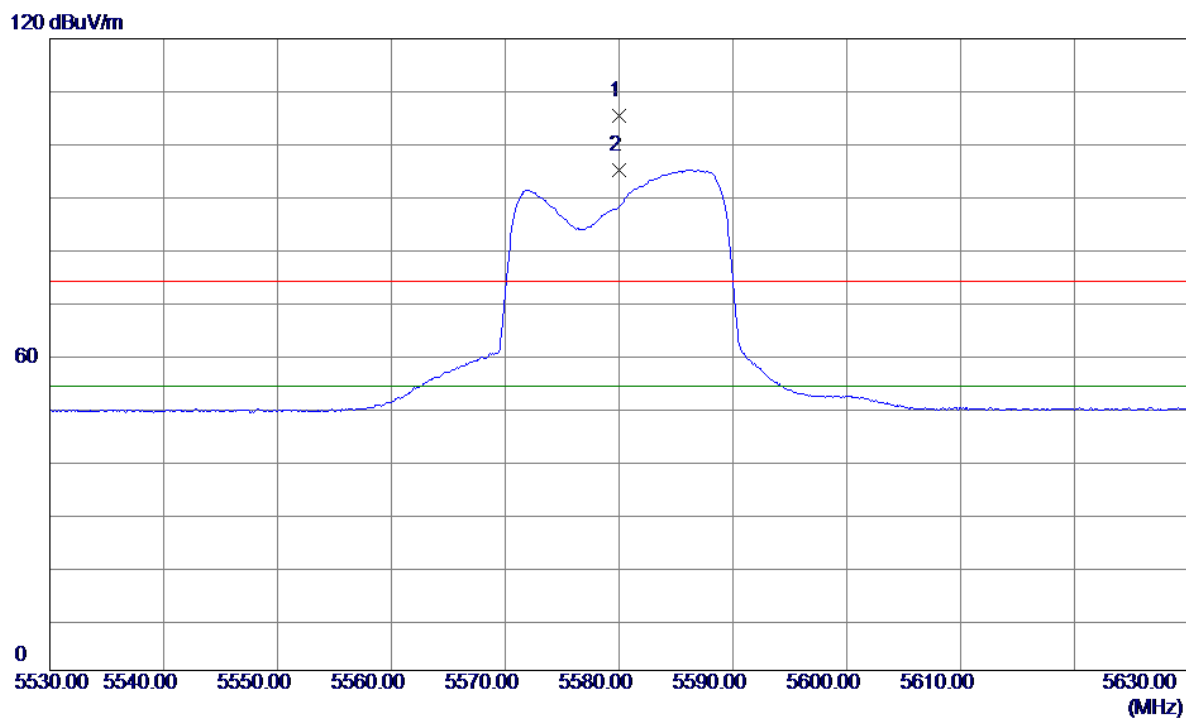
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11160.00	50.48	3.10	53.58	74.00	-20.42	peak	
2	*	11160.00	38.64	3.10	41.74	54.00	-12.26	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

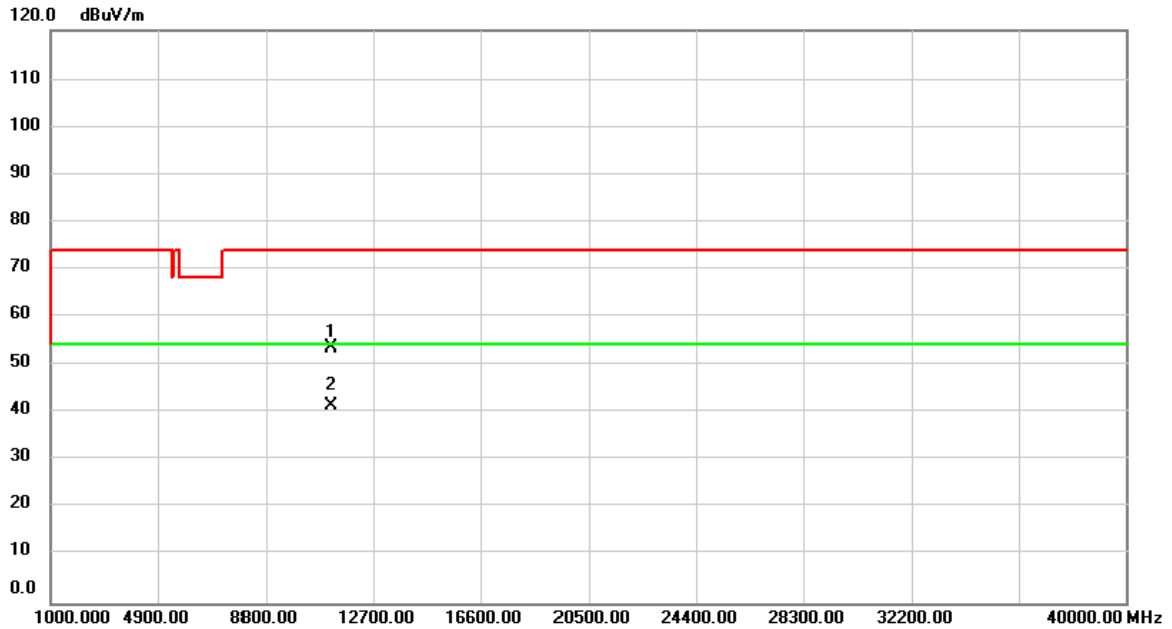
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5580.0000	67.14	38.12	105.26	74.00	31.26	Peak	No Limit
2 *	5580.0000	56.97	38.12	95.09	54.00	41.09	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

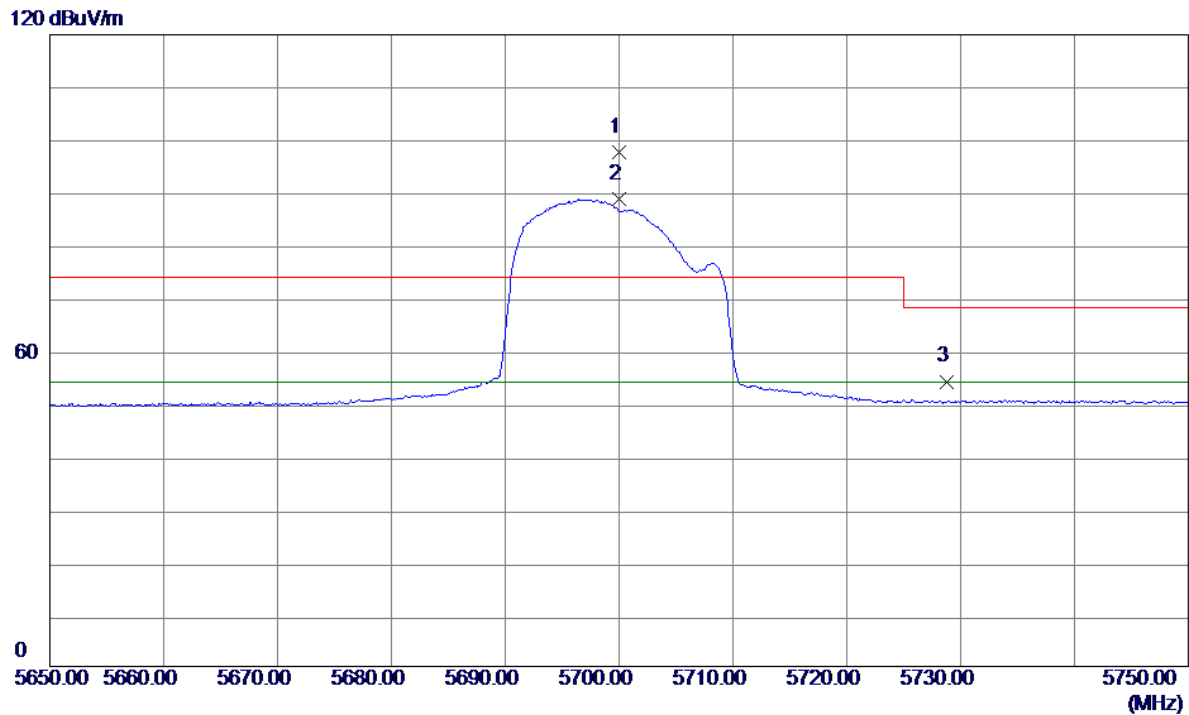
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11160.00	50.54	3.10	53.64	74.00	-20.36	peak	
2	*	11160.00	38.54	3.10	41.64	54.00	-12.36	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

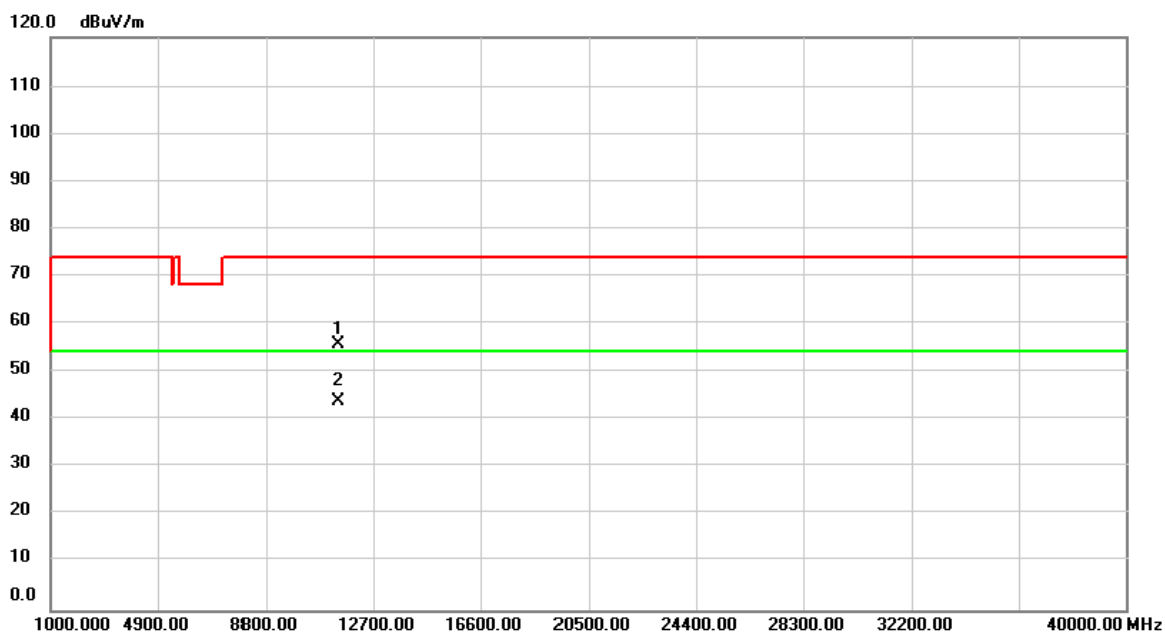
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5700.0000	59.16	38.42	97.58	74.00	23.58	Peak	No Limit
2 *	5700.0000	50.26	38.42	88.68	54.00	34.68	AVG	No Limit
3	5728.7500	15.62	38.50	54.12	68.20	-14.08	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

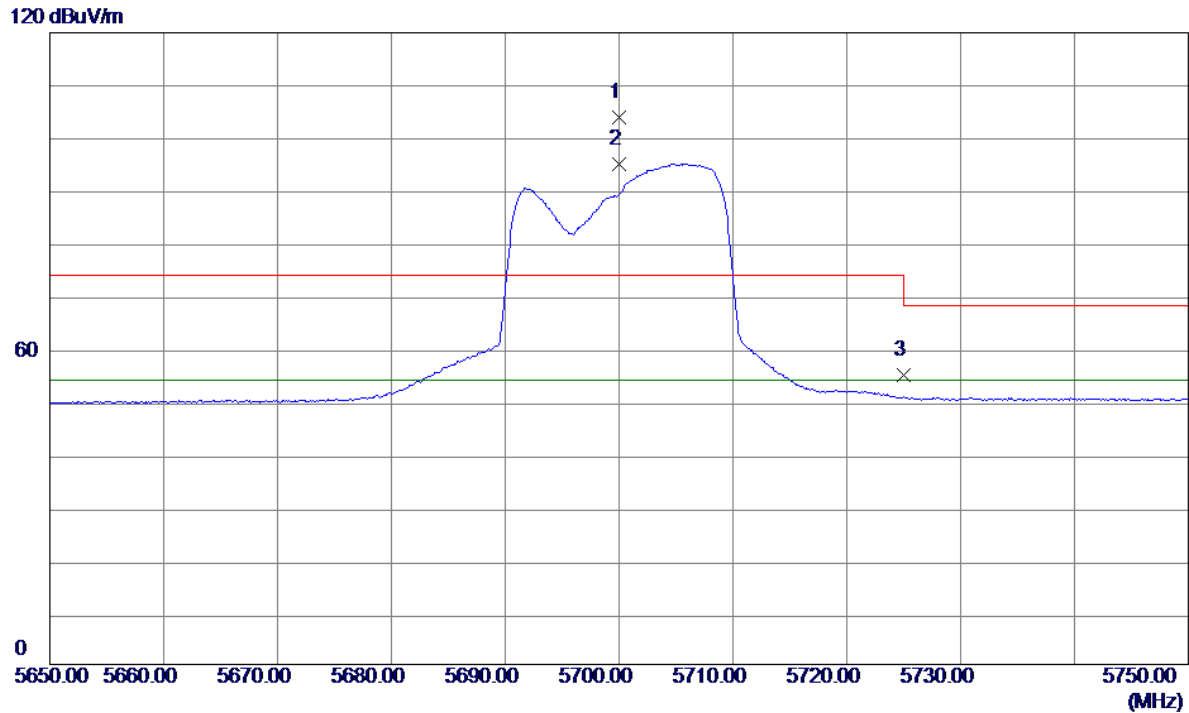
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11400.00	52.11	3.46	55.57	74.00	-18.43	peak	
2	*	11400.00	40.59	3.46	44.05	54.00	-9.95	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

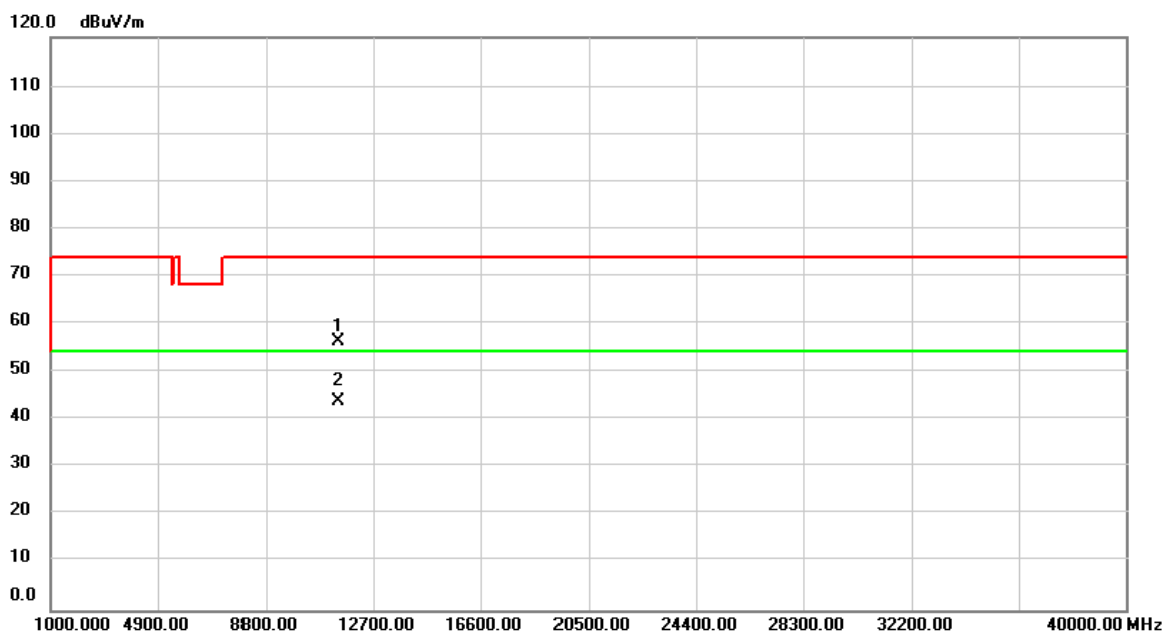
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5700.0000	65.39	38.42	103.81	74.00	29.81	Peak	No Limit
2 *	5700.0000	56.71	38.42	95.13	54.00	41.13	AVG	No Limit
3	5725.0250	16.46	38.49	54.95	68.20	-13.25	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

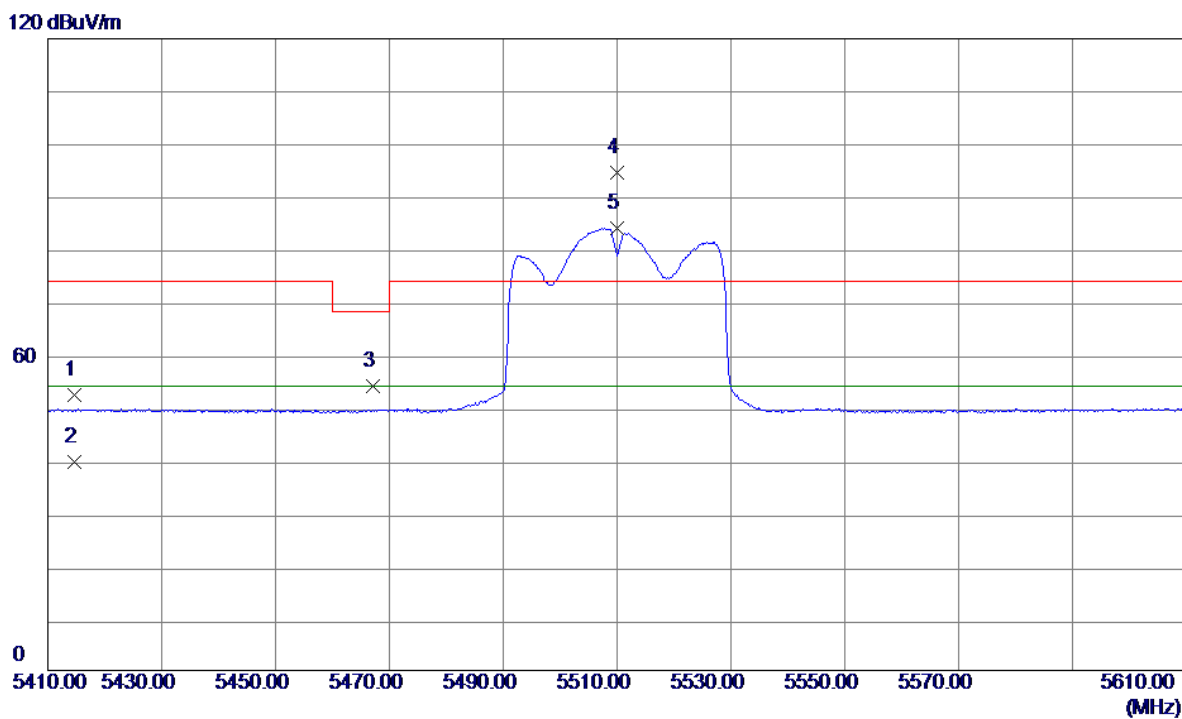
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11400.00	52.76	3.46	56.22	74.00	-17.78	peak	
2	*	11400.00	40.53	3.46	43.99	54.00	-10.01	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

### Vertical

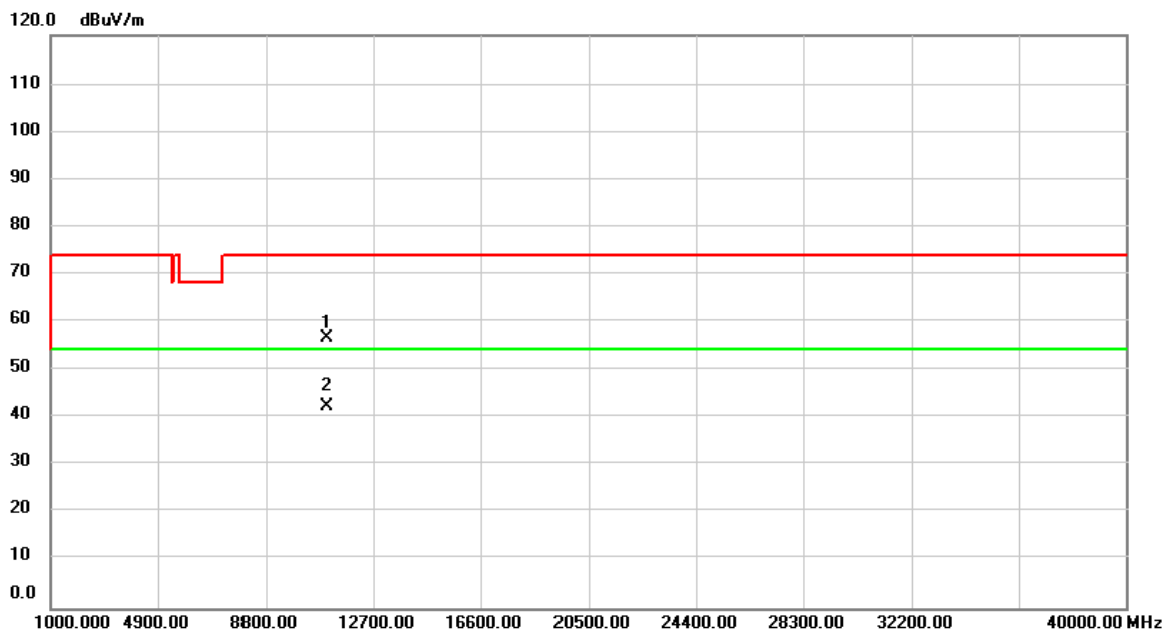


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5414.6500	14.47	37.81	52.28	74.00	-21.72	Peak	
2	5414.6500	1.88	37.81	39.69	54.00	-14.31	AVG	
3	5467.1700	16.18	37.88	54.06	68.20	-14.14	Peak	
4	5510.0000	56.53	37.95	94.48	74.00	20.48	Peak	No Limit
5 *	5510.0000	45.94	37.95	83.89	54.00	29.89	AVG	No Limit



Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

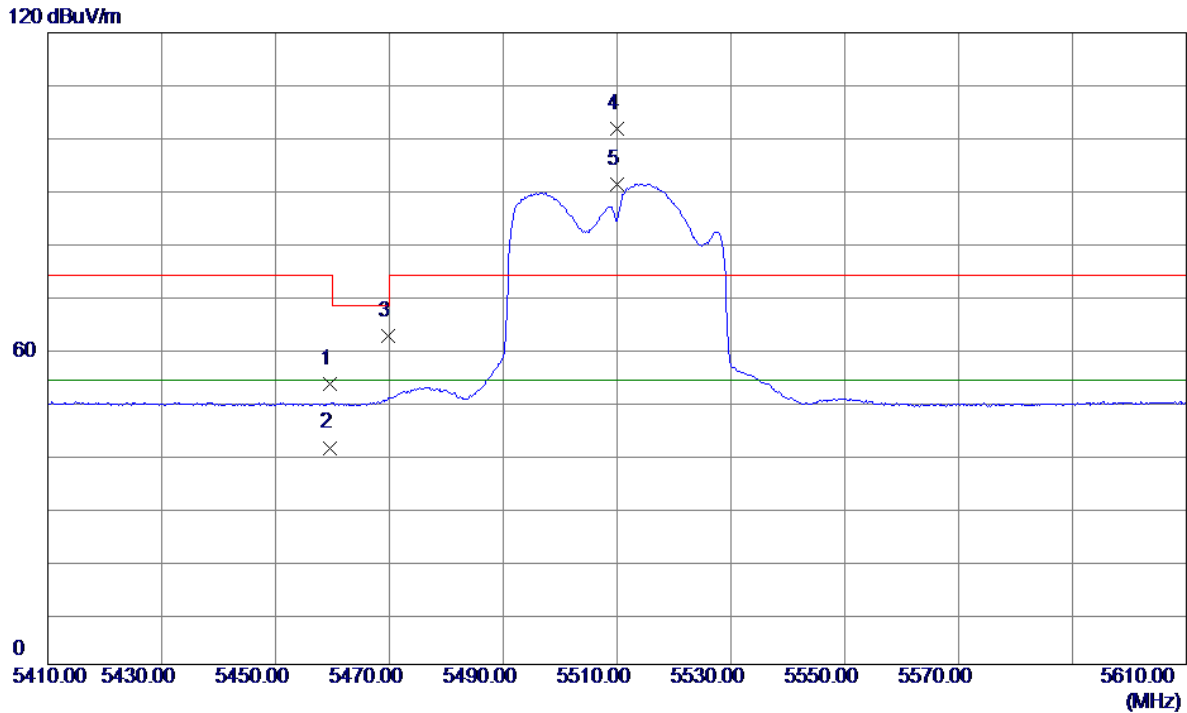
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11020.00	53.60	2.88	56.48	74.00	-17.52	peak	
2	*	11020.00	39.56	2.88	42.44	54.00	-11.56	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

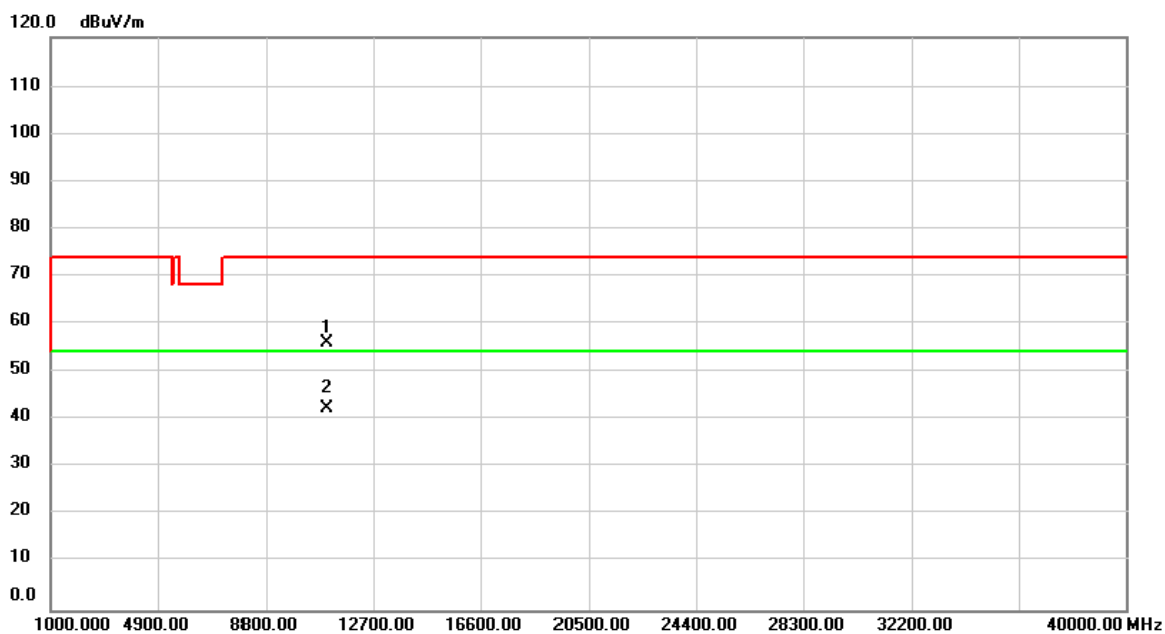
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5459.4500	15.42	37.87	53.29	74.00	-20.71	Peak	
2	5459.4500	3.29	37.87	41.16	54.00	-12.84	AVG	
3	5469.7000	24.60	37.88	62.48	68.20	-5.72	Peak	
4	5510.0000	63.80	37.95	101.75	74.00	27.75	Peak	No Limit
5 *	5510.0000	53.31	37.95	91.26	54.00	37.26	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

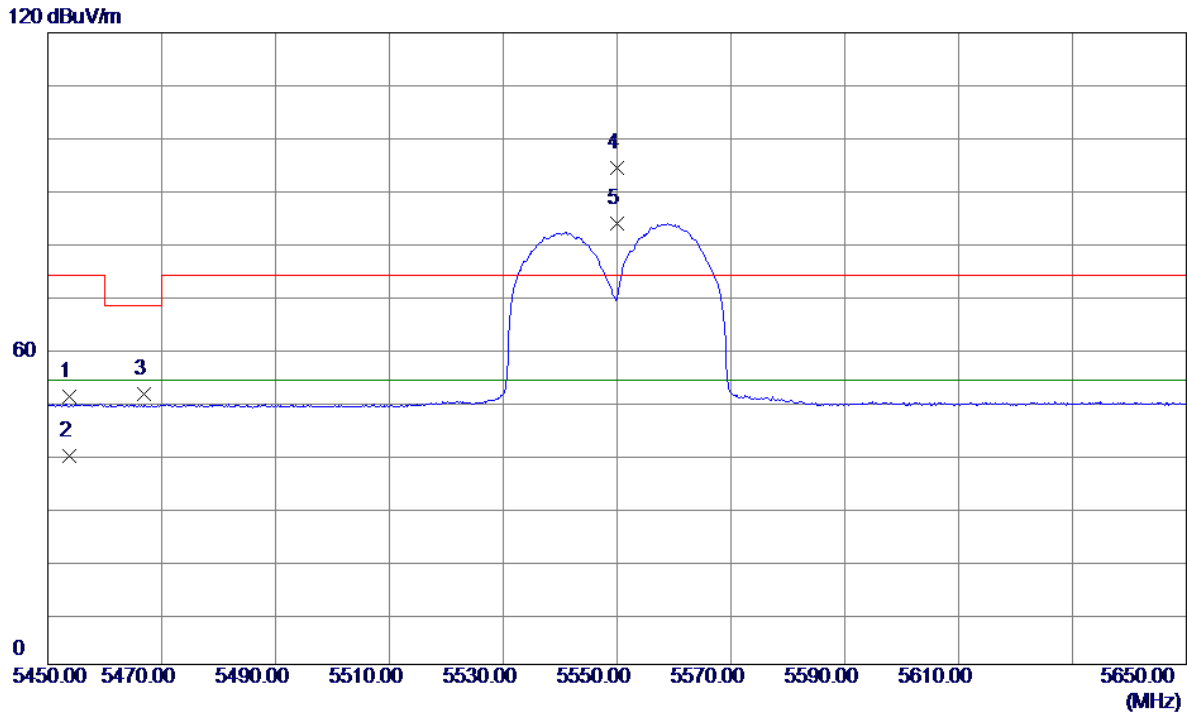
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11020.00	53.12	2.88	56.00	74.00	-18.00	peak	
2	*	11020.00	39.54	2.88	42.42	54.00	-11.58	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

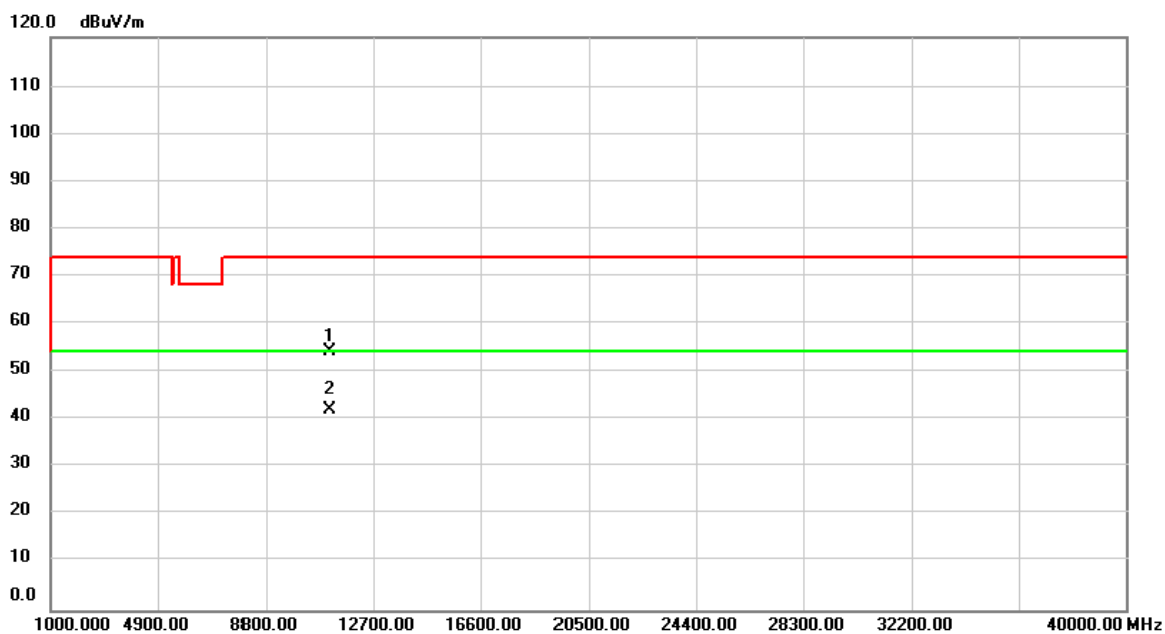
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5453.8700	12.97	37.86	50.83	74.00	-23.17	Peak	
2	5453.8700	1.66	37.86	39.52	54.00	-14.48	AVG	
3	5466.9200	13.54	37.88	51.42	68.20	-16.78	Peak	
4	5550.0000	56.21	38.05	94.26	74.00	20.26	Peak	No Limit
5 *	5550.0000	45.76	38.05	83.81	54.00	29.81	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

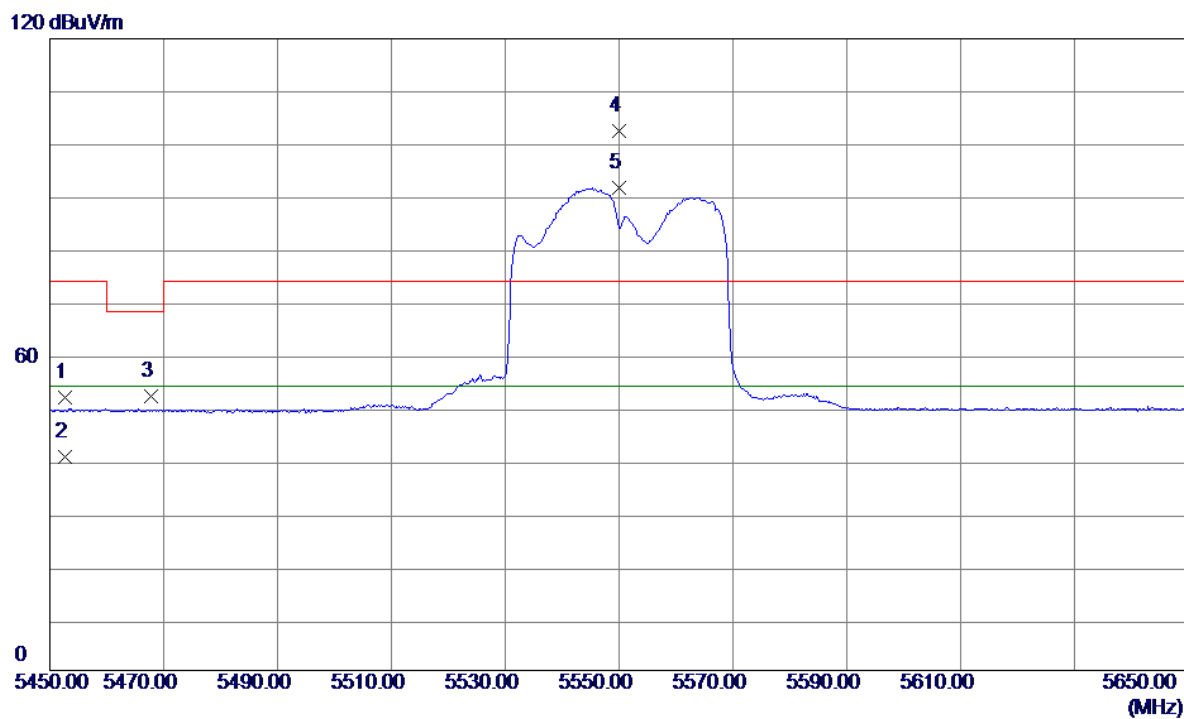
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11100.00	51.14	3.01	54.15	74.00	-19.85	peak	
2	*	11100.00	39.26	3.01	42.27	54.00	-11.73	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

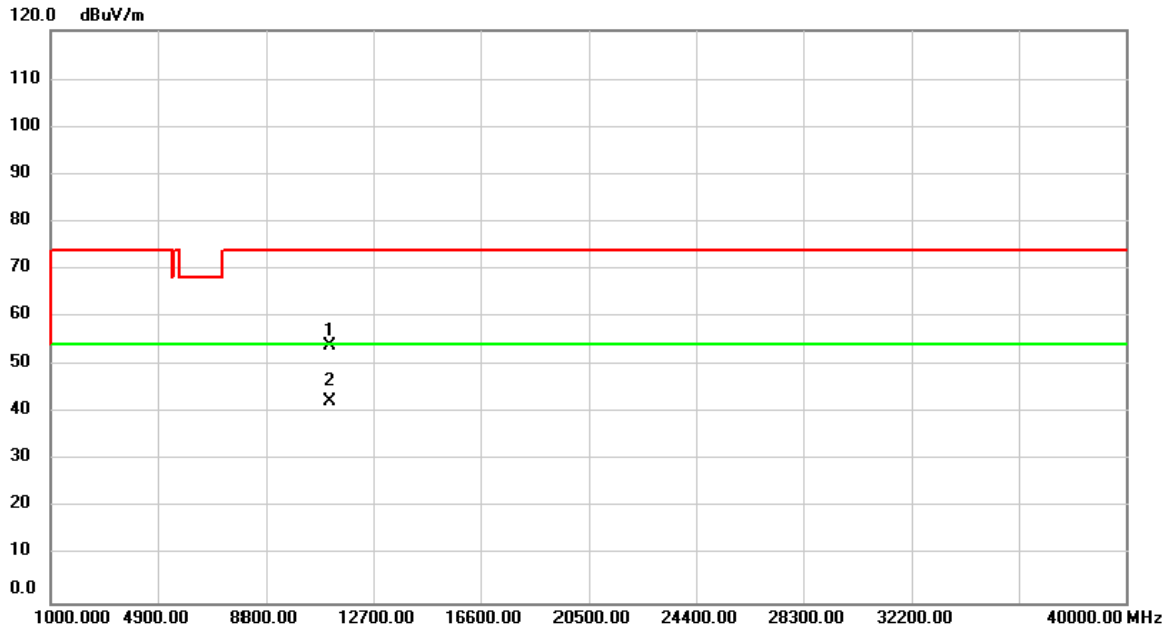
# Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5452.6200	14.09	37.86	51.95	74.00	-22.05	Peak	
2	5452.6200	2.76	37.86	40.62	54.00	-13.38	AVG	
3	5467.7100	14.25	37.88	52.13	68.20	-16.07	Peak	
4	5550.0000	64.54	38.05	102.59	74.00	28.59	Peak	No Limit
5 *	5550.0000	53.70	38.05	91.75	54.00	37.75	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

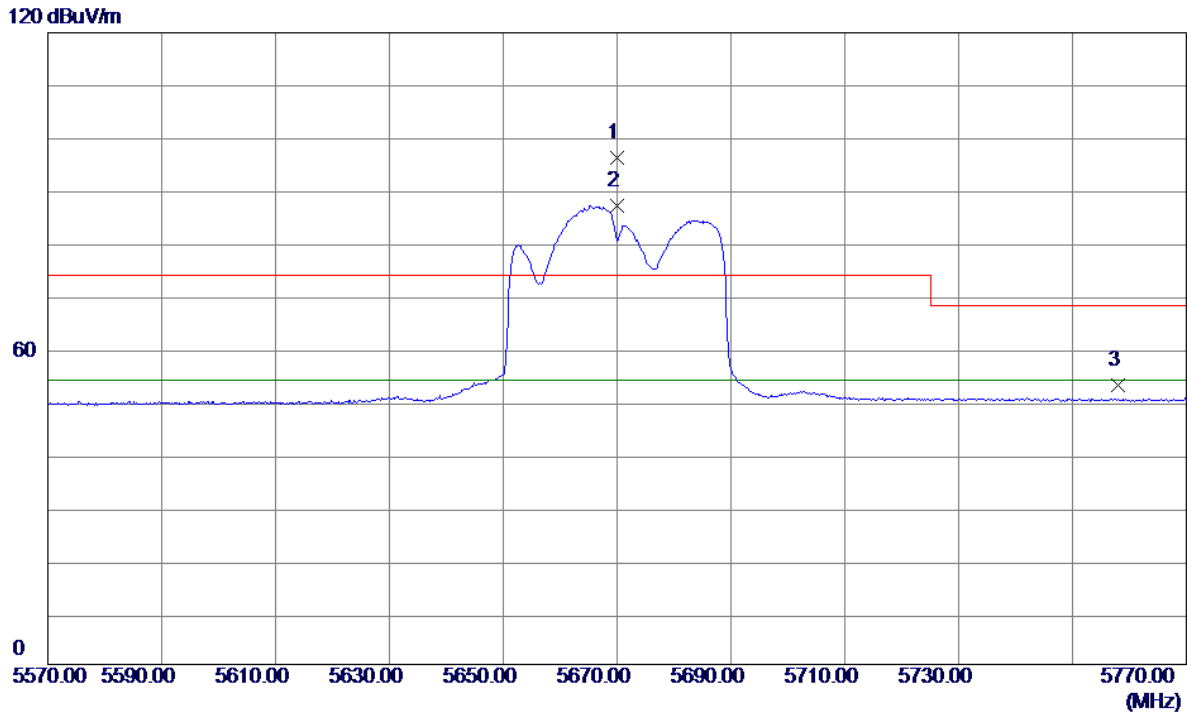
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11100.00	50.79	3.01	53.80	74.00	-20.20	peak	
2	*	11100.00	39.31	3.01	42.32	54.00	-11.68	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

**Vertical**

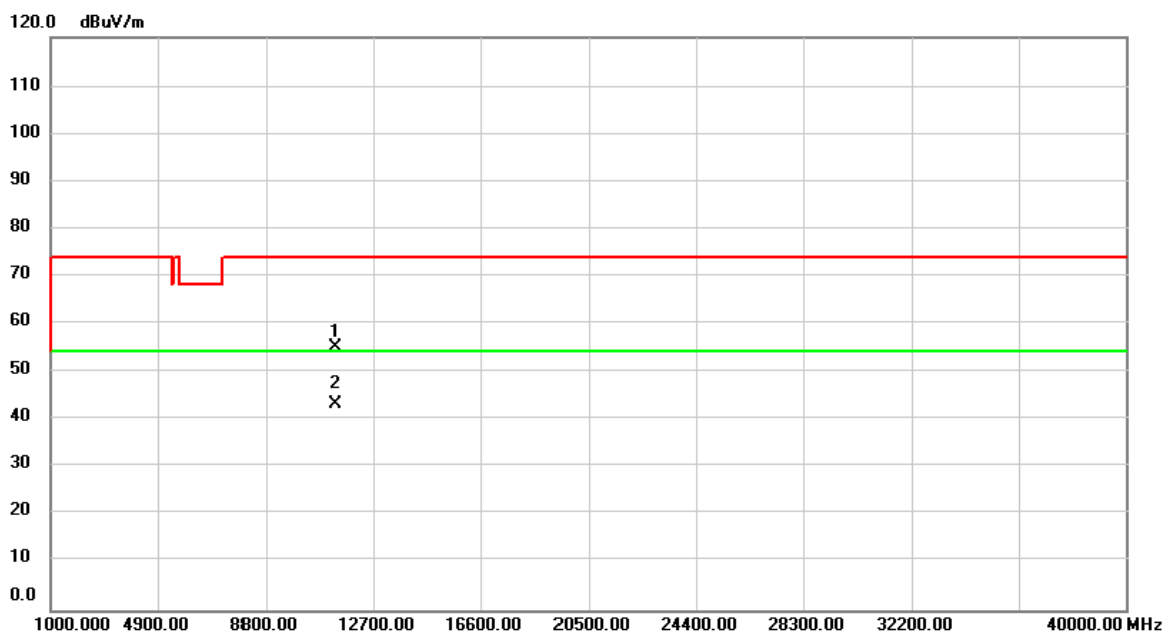


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5670.0000	57.77	38.35	96.12	74.00	22.12	Peak	No Limit
2 *	5670.0000	48.80	38.35	87.15	54.00	33.15	AVG	No Limit
3	5758.0299	14.40	38.57	52.97	68.20	-15.23	Peak	



Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

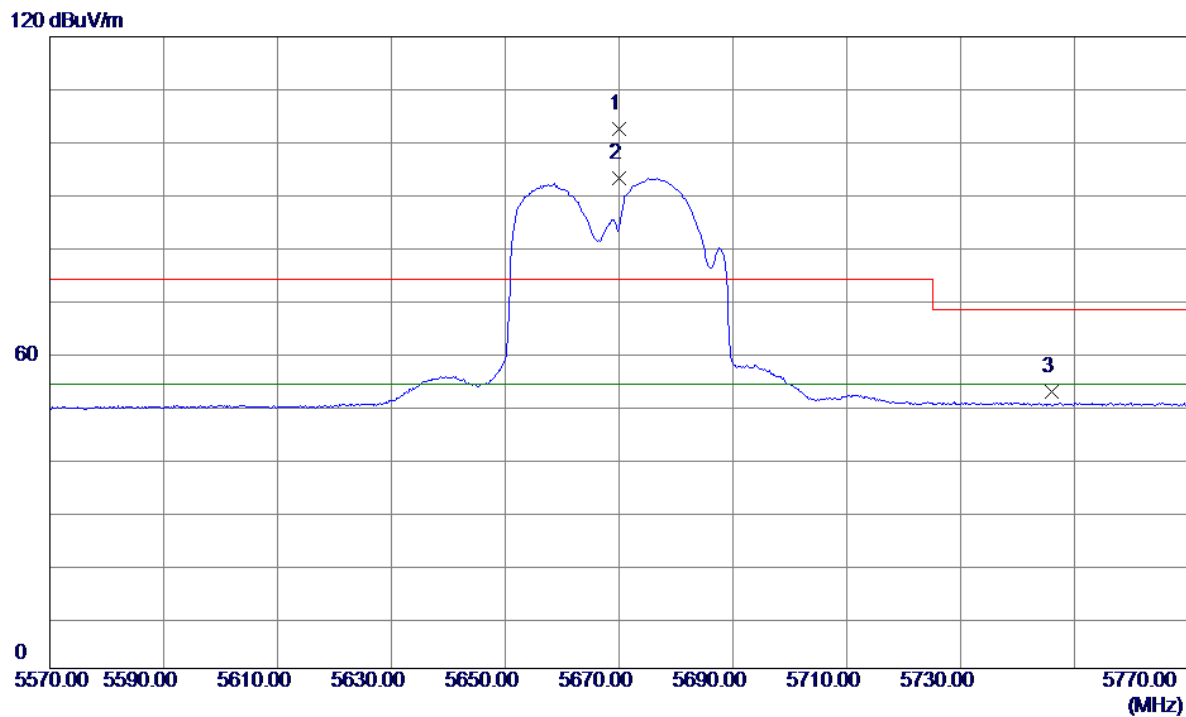
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11340.00	51.66	3.37	55.03	74.00	-18.97	peak	
2	*	11340.00	39.88	3.37	43.25	54.00	-10.75	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

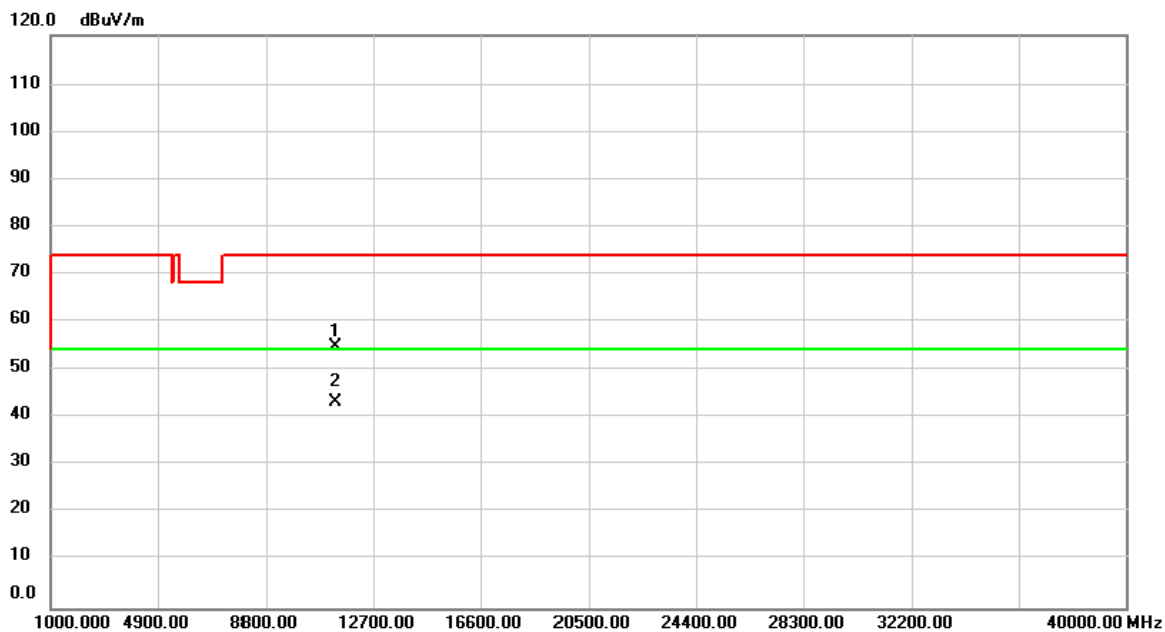
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5670.0000	64.04	38.35	102.39	74.00	28.39	Peak	No Limit
2 *	5670.0000	54.80	38.35	93.15	54.00	39.15	AVG	No Limit
3	5746.0150	13.92	38.54	52.46	68.20	-15.74	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

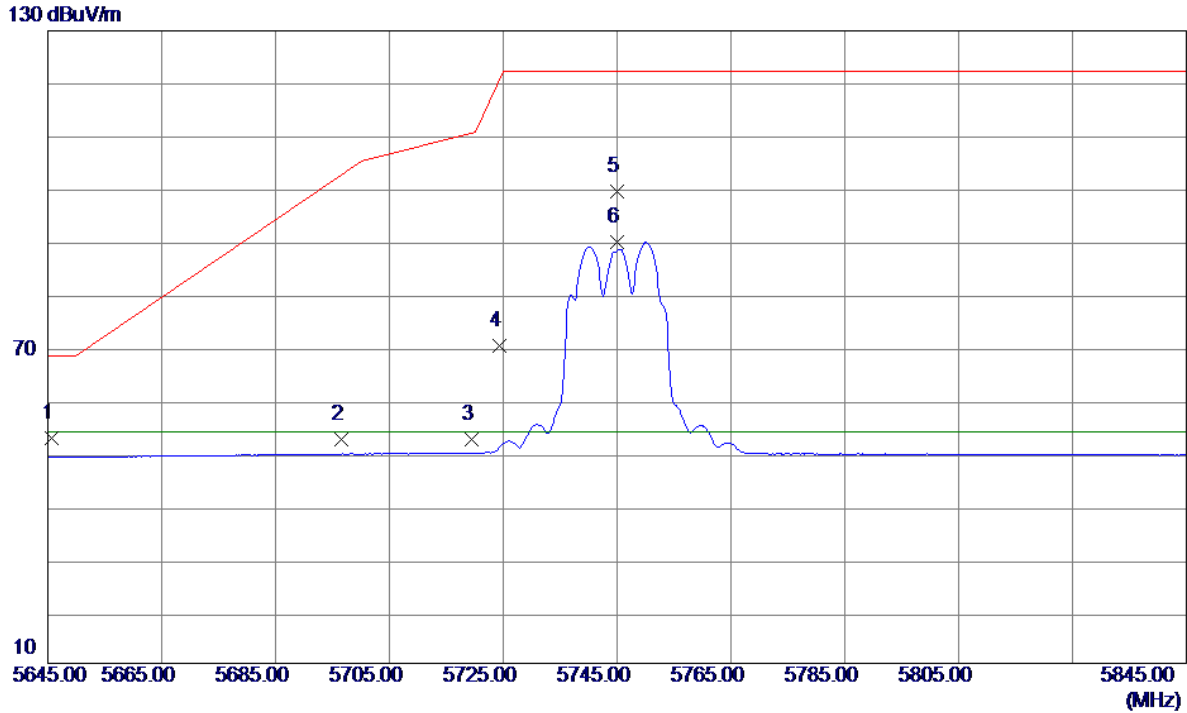
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11340.00	51.31	3.37	54.68	74.00	-19.32	peak	
2	*	11340.00	39.86	3.37	43.23	54.00	-10.77	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5745MHz

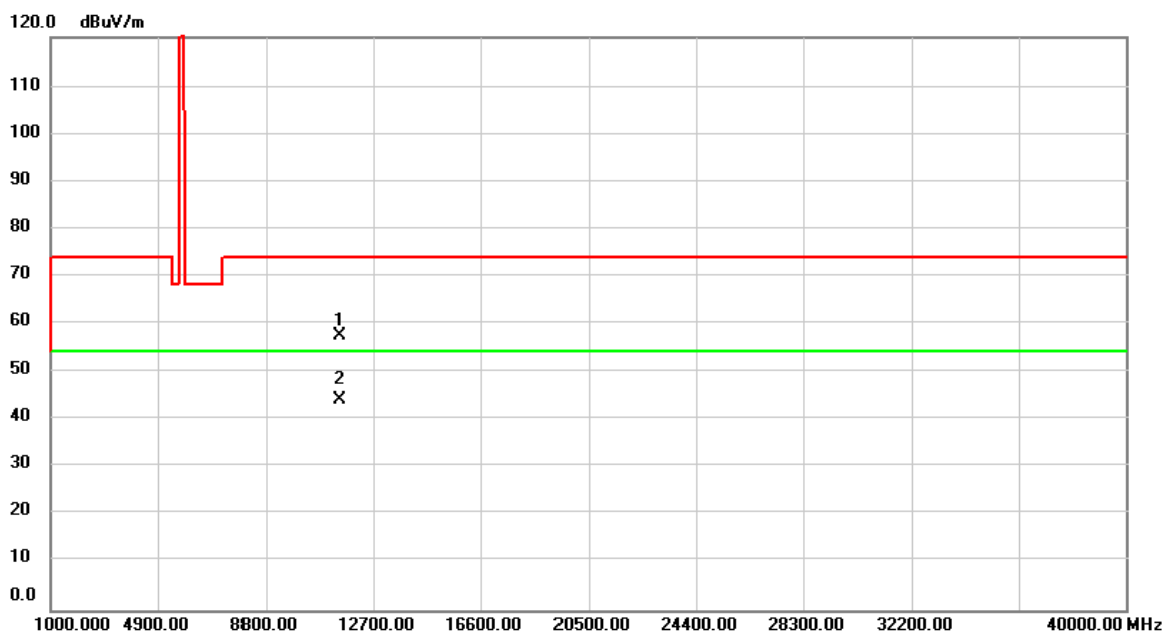
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5645.5850	14.52	38.29	52.81	68.20	-15.39	Peak	
2	5696.6000	14.09	38.42	52.51	102.68	-50.17	Peak	
3	5719.4000	13.93	38.47	52.40	110.63	-58.23	Peak	
4	5724.4000	31.80	38.49	70.29	120.83	-50.54	Peak	
5	5745.0000	60.87	38.54	99.41	122.20	-22.79	Peak	No Limit
6 *	5745.0000	51.33	38.54	89.87	54.00	35.87	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5745MHz

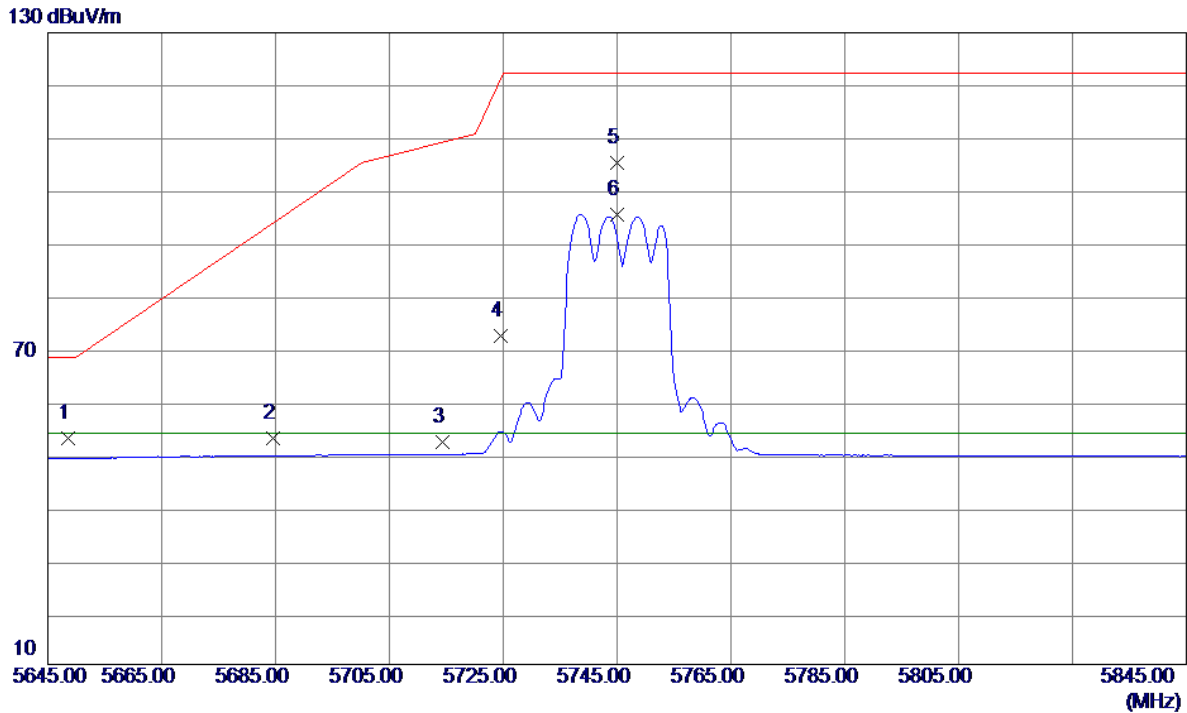
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11490.00	53.98	3.60	57.58	74.00	-16.42	peak	
2	*	11490.00	40.71	3.60	44.31	54.00	-9.69	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5745MHz

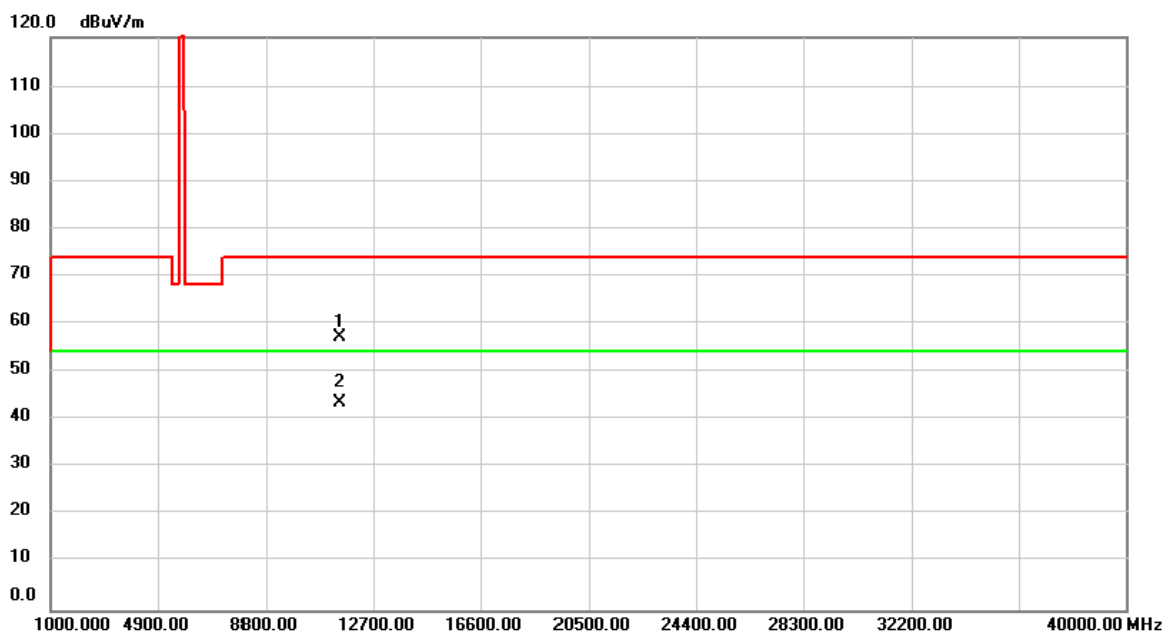
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5648.4850	14.78	38.29	53.07	68.20	-15.13	Peak	
2	5684.5370	14.52	38.38	52.90	93.76	-40.86	Peak	
3	5714.4000	13.81	38.46	52.27	109.23	-56.96	Peak	
4	5724.5900	33.90	38.49	72.39	121.27	-48.88	Peak	
5	5745.0000	66.64	38.54	105.18	122.20	-17.02	Peak	No Limit
6 *	5745.0000	56.93	38.54	95.47	54.00	41.47	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5745MHz

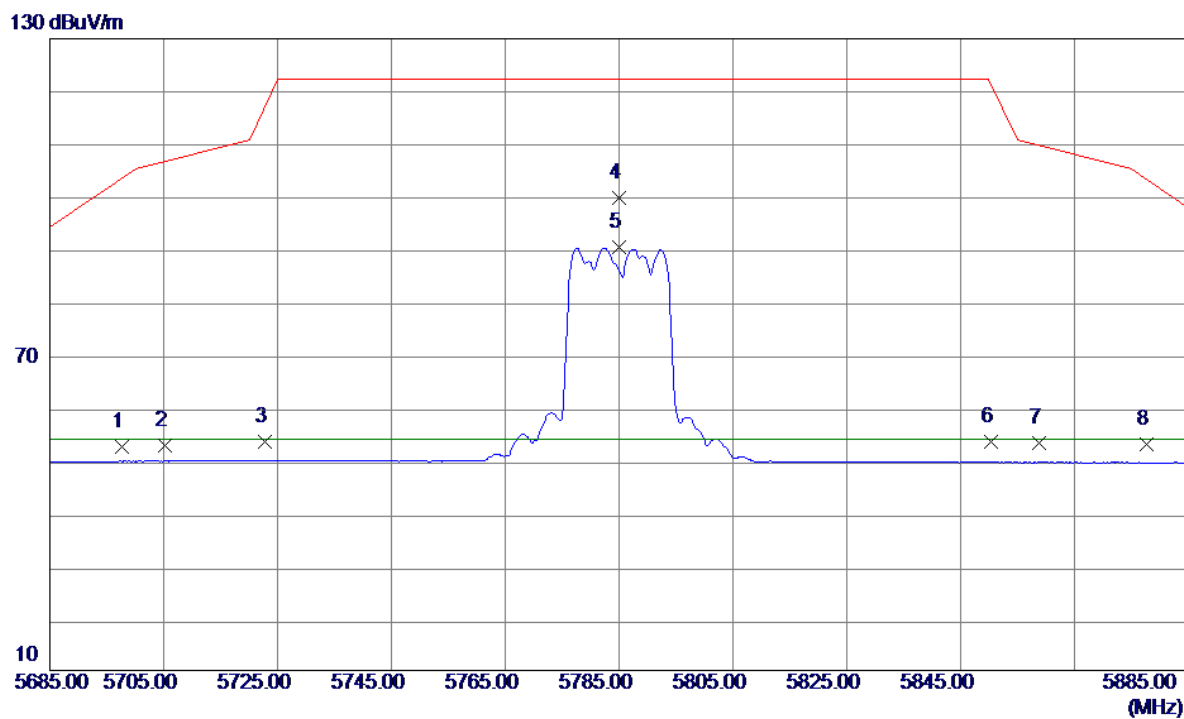
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11490.00	53.65	3.60	57.25	74.00	-16.75	peak	
2	*	11490.00	40.10	3.60	43.70	54.00	-10.30	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5785MHz

# Vertical

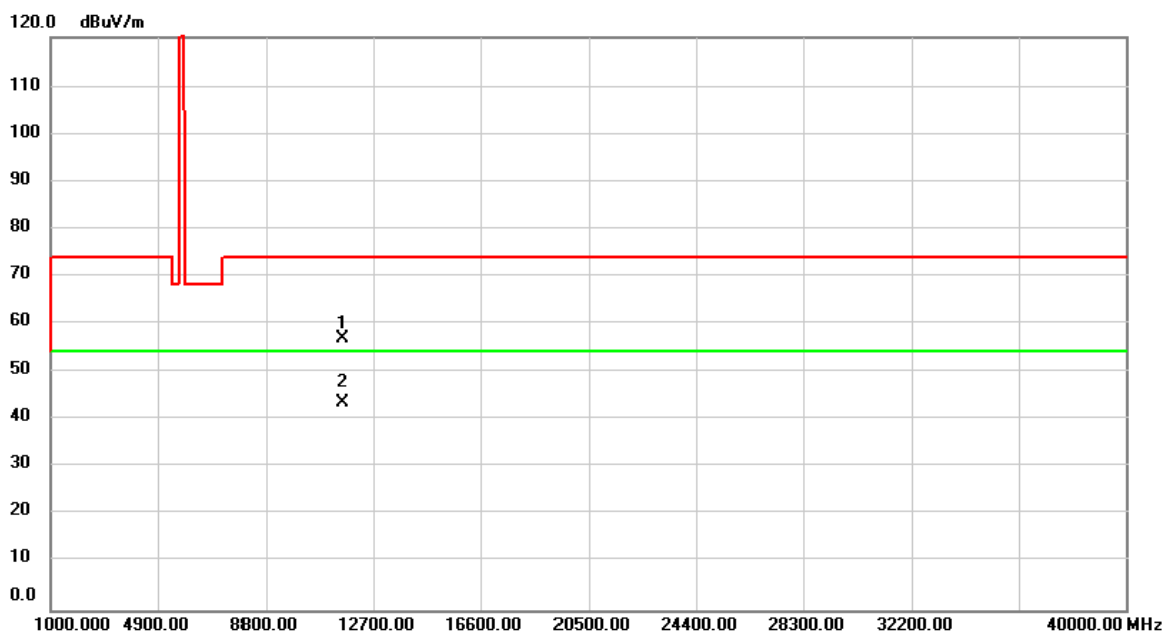


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5697.6900	13.96	38.42	52.38	103.49	-51.11	Peak	
2	5705.1600	14.33	38.44	52.77	106.64	-53.87	Peak	
3	5722.6900	14.97	38.48	53.45	116.93	-63.48	Peak	
4	5785.0000	61.18	38.64	99.82	122.20	-22.38	Peak	No Limit
5 *	5785.0000	51.64	38.64	90.28	54.00	36.28	AVG	No Limit
6	5850.2950	14.63	38.80	53.43	121.53	-68.10	Peak	
7	5858.8600	14.34	38.82	53.16	109.72	-56.56	Peak	
8	5877.6700	14.05	38.87	52.92	103.22	-50.30	Peak	



Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5785MHz

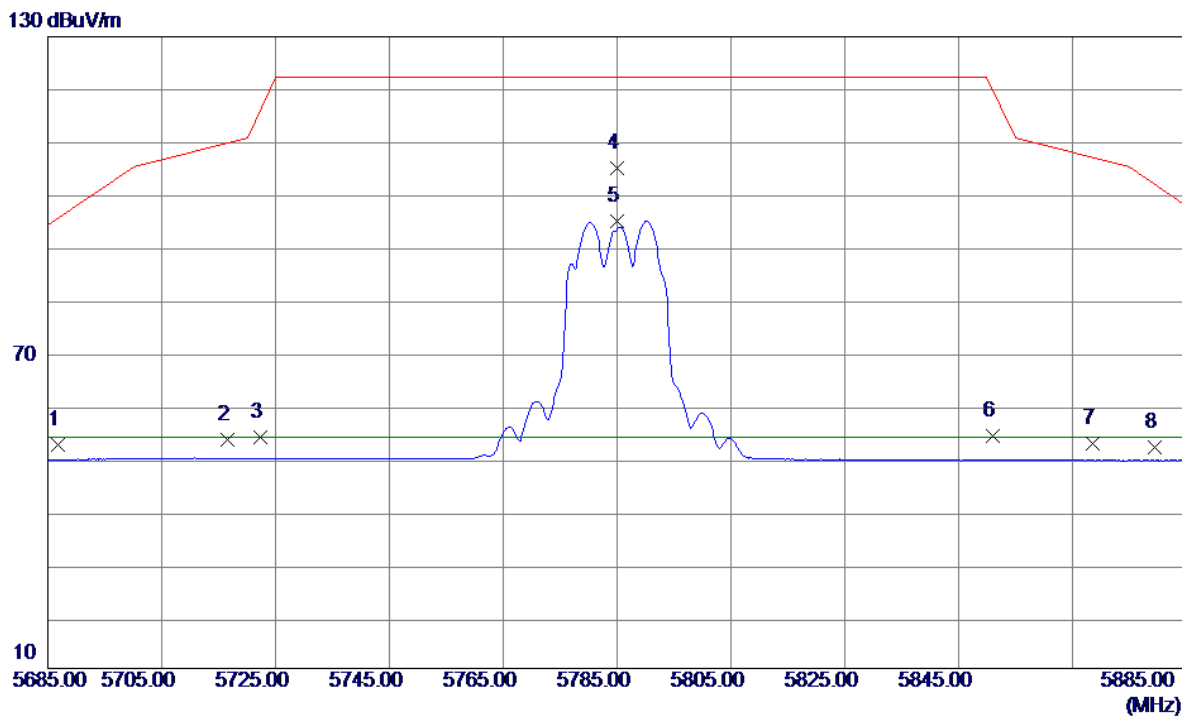
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11570.00	53.46	3.48	56.94	74.00	-17.06	peak	
2	*	11570.00	40.07	3.48	43.55	54.00	-10.45	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5785MHz

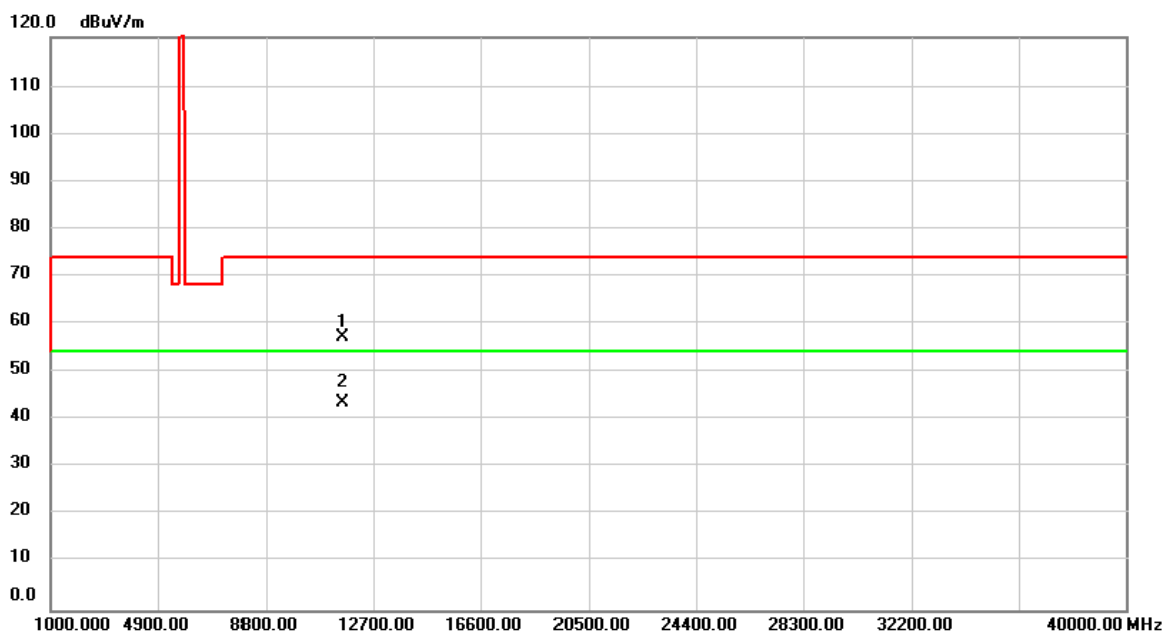
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5686.7700	14.17	38.39	52.56	95.41	-42.85	Peak	
2	5716.5600	15.06	38.47	53.53	109.84	-56.31	Peak	
3	5722.3200	15.43	38.48	53.91	116.09	-62.18	Peak	
4	5785.0000	66.51	38.64	105.15	122.20	-17.05	Peak	No Limit
5 *	5785.0000	56.29	38.64	94.93	54.00	40.93	AVG	No Limit
6	5850.9750	15.41	38.80	54.21	119.98	-65.77	Peak	
7	5868.5000	13.76	38.85	52.61	107.02	-54.41	Peak	
8	5879.4100	13.18	38.88	52.06	101.94	-49.88	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5785MHz

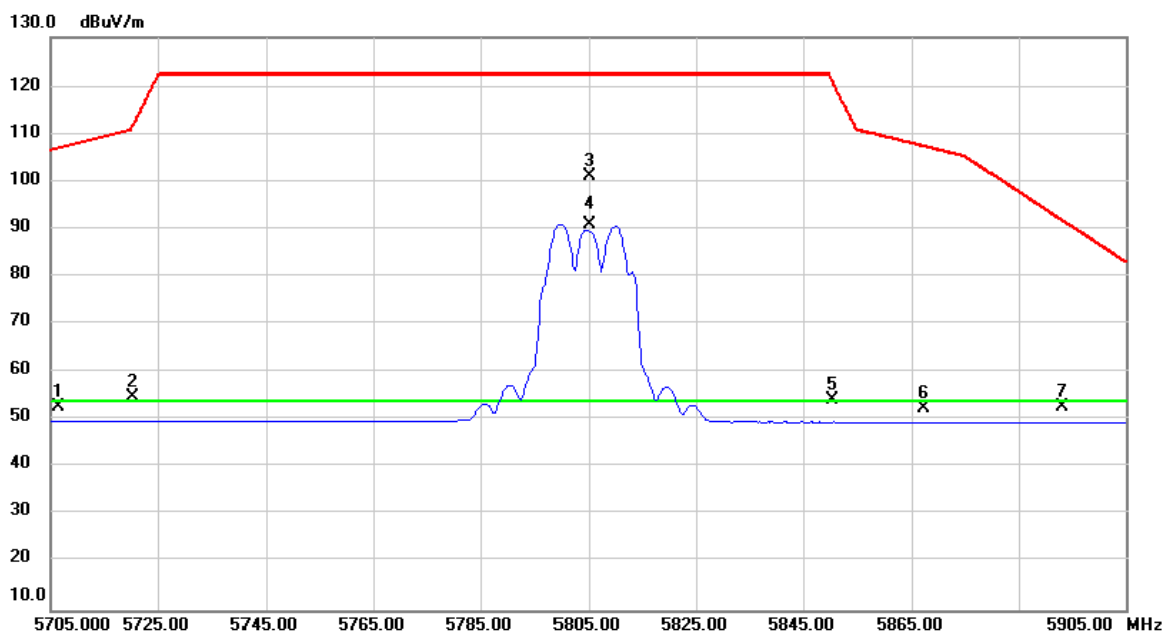
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11570.00	53.60	3.48	57.08	74.00	-16.92	peak	
2	*	11570.00	40.23	3.48	43.71	54.00	-10.29	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5805MHz

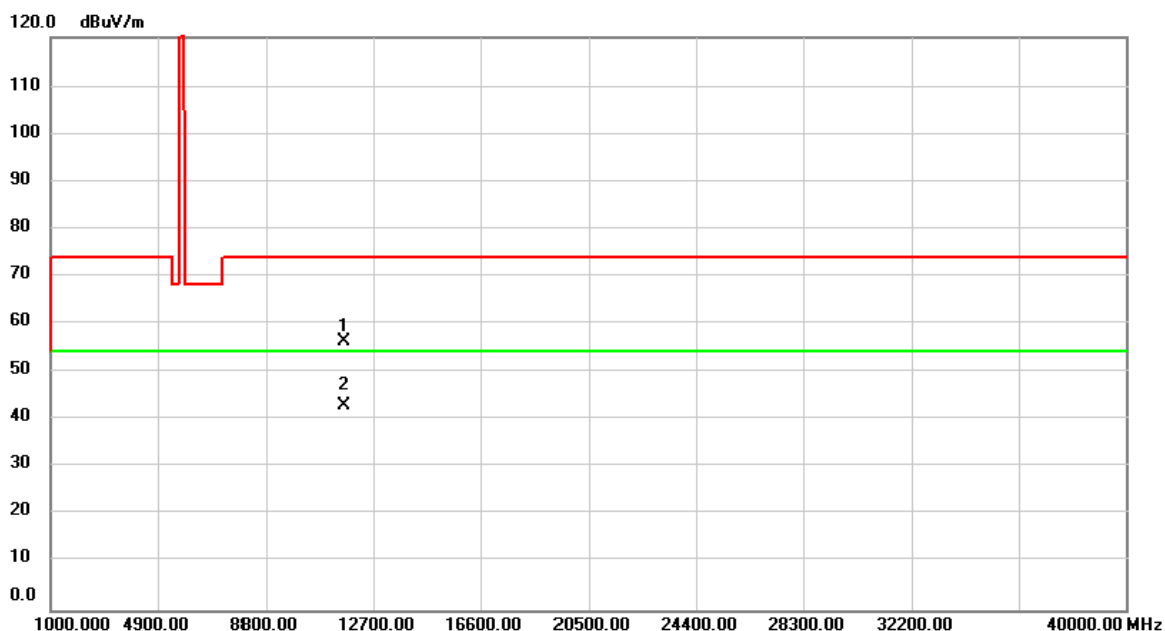
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5706.365	14.38	38.44	52.82	106.98	-54.16	peak	
2		5720.460	16.22	38.48	54.70	111.85	-57.15	peak	
3		5805.000	62.48	38.69	101.17	122.20	-21.03	peak	No Limit
4	*	5805.000	52.17	38.69	90.86	54.00	36.86	AVG	No Limit
5		5850.355	15.34	38.80	54.14	121.39	-67.25	peak	
6		5867.180	13.58	38.84	52.42	107.39	-54.97	peak	
7		5893.120	13.84	38.91	52.75	91.79	-39.04	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5805MHz

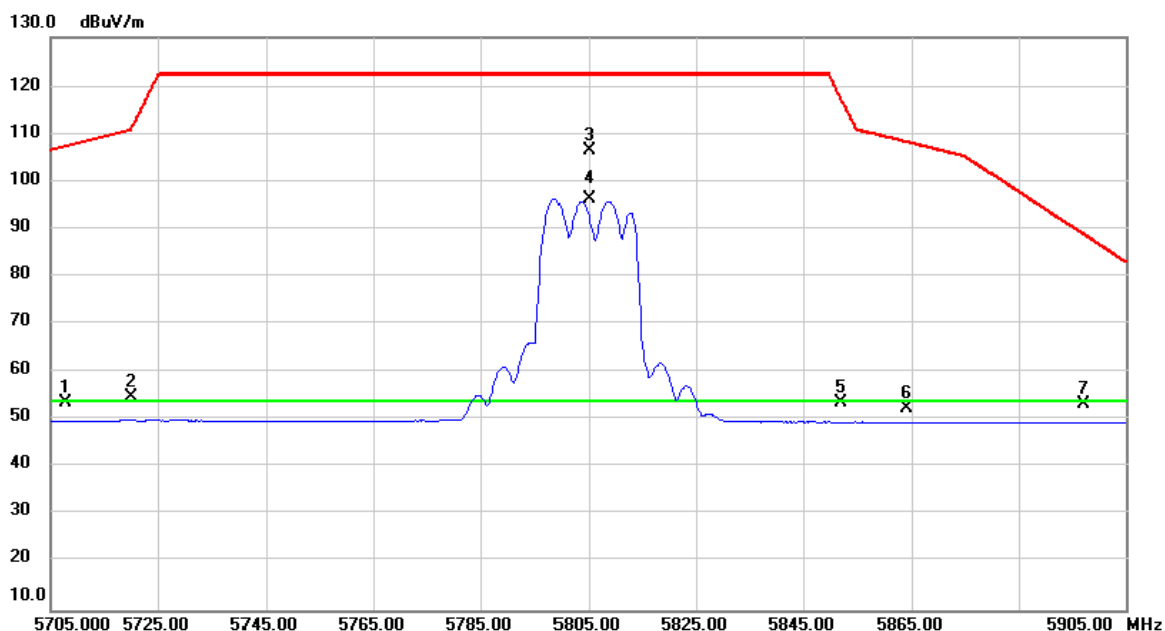
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11610.00	52.72	3.41	56.13	74.00	-17.87	peak	
2	*	11610.00	39.73	3.41	43.14	54.00	-10.86	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5805MHz

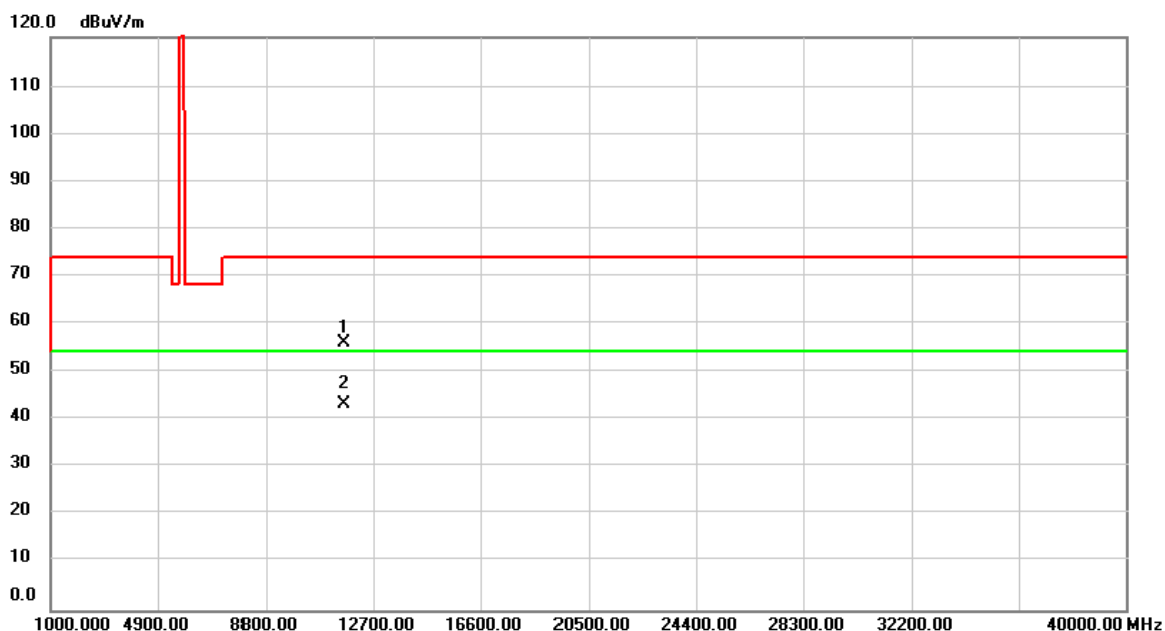
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5707.780	15.17	38.44	53.61	107.38	-53.77	peak	
2		5720.150	16.25	38.48	54.73	111.14	-56.41	peak	
3		5805.000	67.83	38.69	106.52	122.20	-15.68	peak	No Limit
4	*	5805.000	57.53	38.69	96.22	54.00	42.22	AVG	No Limit
5		5852.025	14.76	38.80	53.56	117.58	-64.02	peak	
6		5864.140	13.62	38.84	52.46	108.24	-55.78	peak	
7		5897.200	14.56	38.92	53.48	88.77	-35.29	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5805MHz

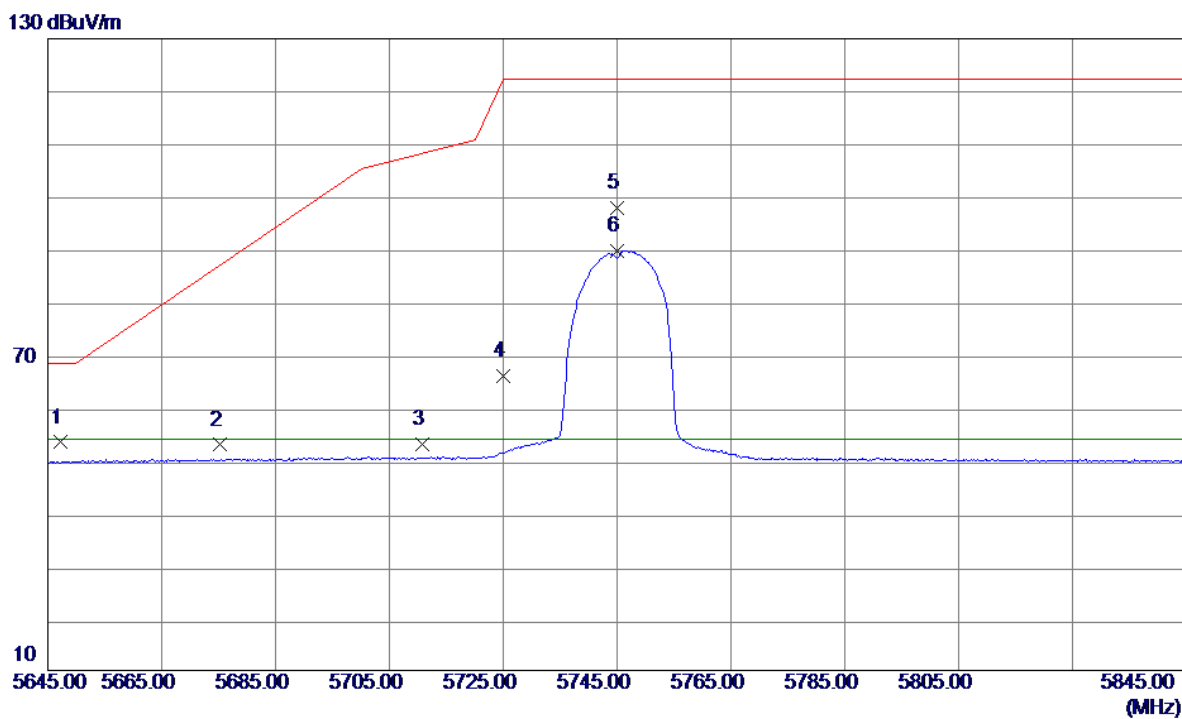
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11610.00	52.56	3.41	55.97	74.00	-18.03	peak	
2	*	11610.00	39.84	3.41	43.25	54.00	-10.75	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5745MHz

# Vertical

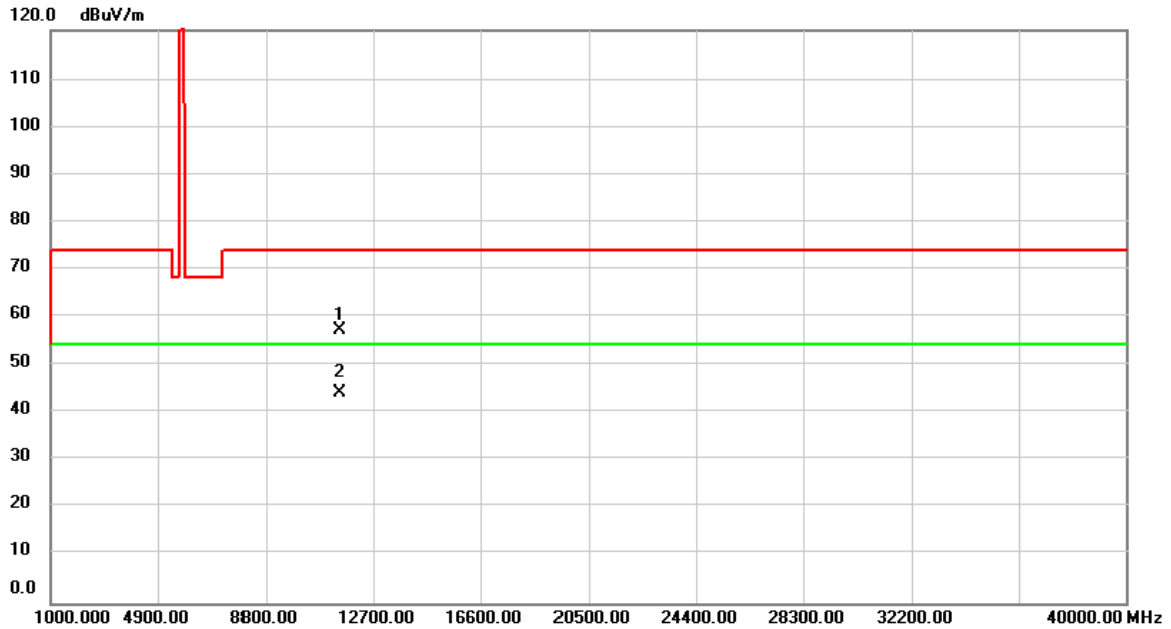


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5647.2799	15.03	38.29	53.32	68.20	-14.88	Peak	
2	5675.2500	14.48	38.36	52.84	86.88	-34.04	Peak	
3	5710.8400	14.45	38.45	52.90	108.24	-55.34	Peak	
4	5724.8950	27.40	38.49	65.89	121.96	-56.07	Peak	
5	5745.0000	59.33	38.54	97.87	122.20	-24.33	Peak	No Limit
6 *	5745.0000	51.21	38.54	89.75	54.00	35.75	AVG	No Limit



Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5745MHz

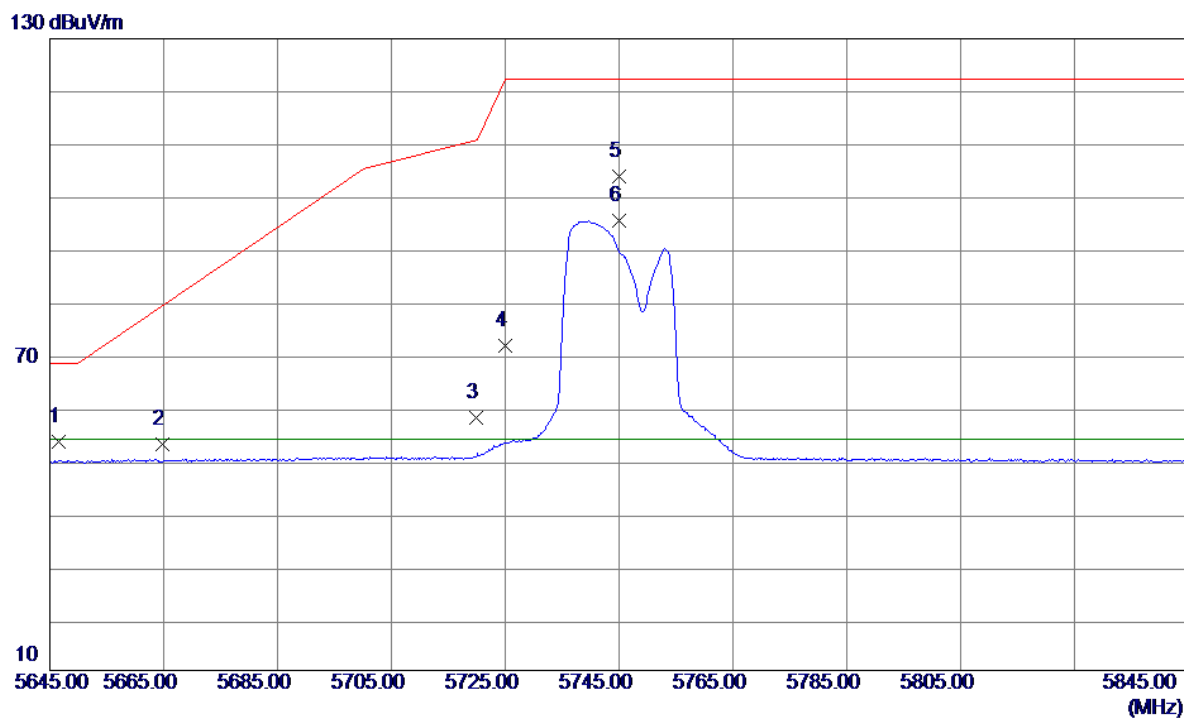
**Vertical**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11490.00	53.50	3.60	57.10	74.00	-16.90	peak	
2	*	11490.00	40.70	3.60	44.30	54.00	-9.70	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5745MHz

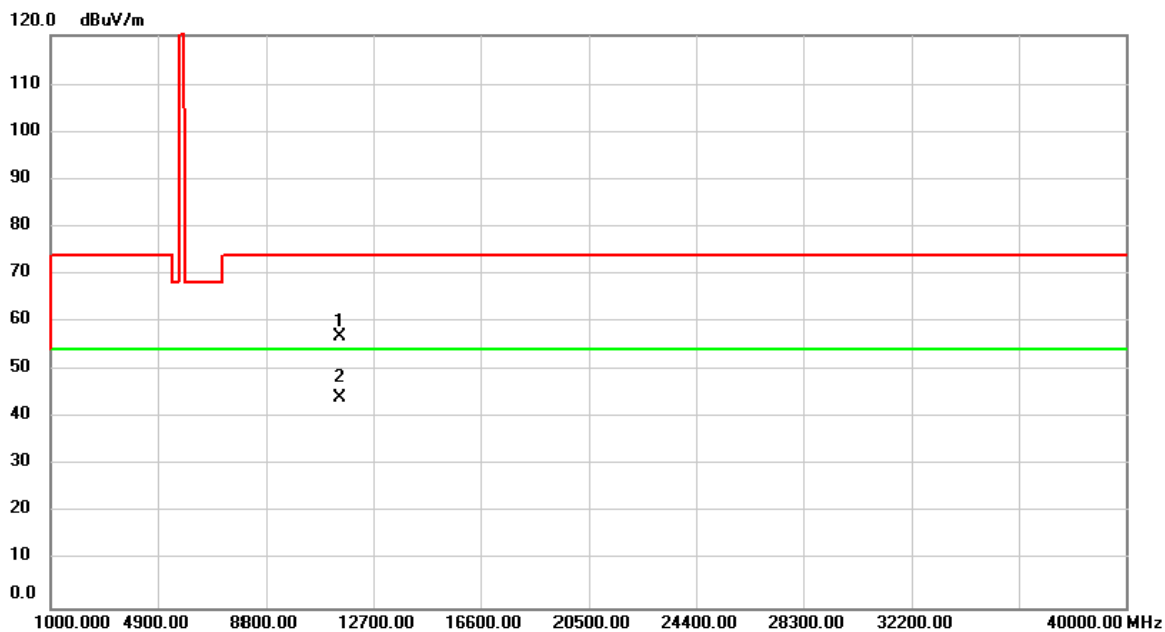
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5646.5250	15.18	38.29	53.47	68.20	-14.73	Peak	
2	5664.7500	14.51	38.34	52.85	79.12	-26.27	Peak	
3	5719.9400	19.46	38.47	57.93	110.78	-52.85	Peak	
4	5724.9650	33.16	38.49	71.65	122.12	-50.47	Peak	
5	5745.0000	65.23	38.54	103.77	122.20	-18.43	Peak	No Limit
6 *	5745.0000	56.79	38.54	95.33	54.00	41.33	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5745MHz

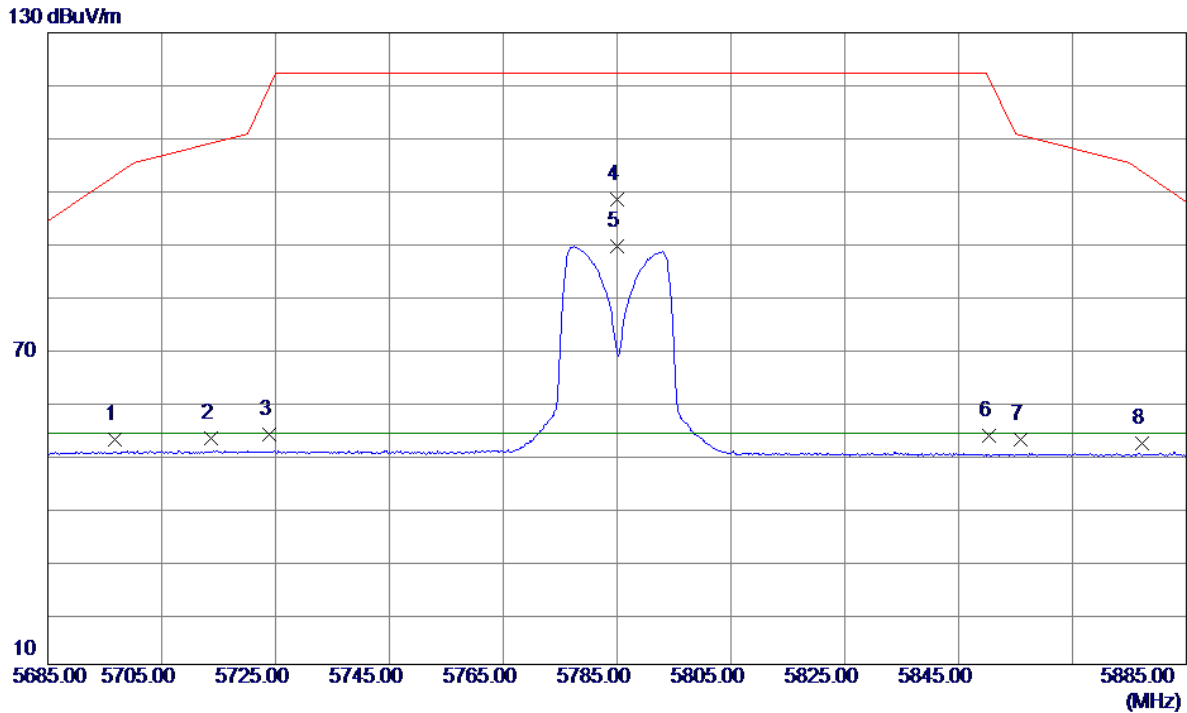
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11490.00	53.14	3.60	56.74	74.00	-17.26	peak	
2	*	11490.00	40.74	3.60	44.34	54.00	-9.66	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5785MHz

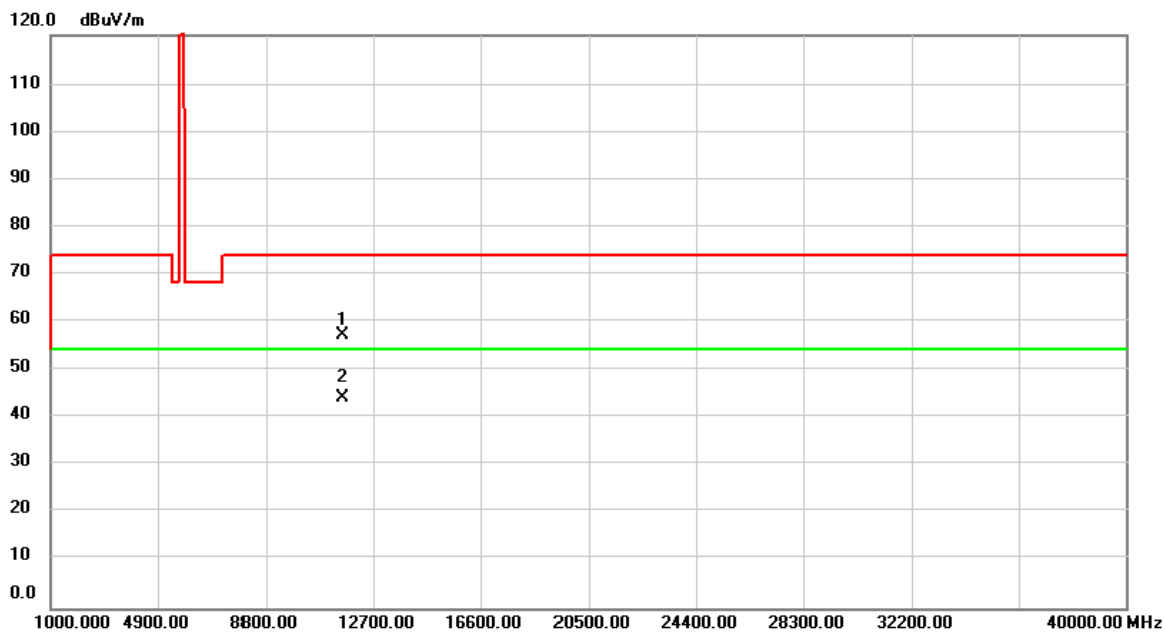
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5696.7450	14.34	38.42	52.76	102.79	-50.03	Peak	
2	5713.6000	14.55	38.46	53.01	109.01	-56.00	Peak	
3	5723.9150	15.26	38.48	53.74	119.73	-65.99	Peak	
4	5785.0000	59.56	38.64	98.20	122.20	-24.00	Peak	No Limit
5 *	5785.0000	50.74	38.64	89.38	54.00	35.38	AVG	No Limit
6	5850.3849	14.65	38.80	53.45	121.32	-67.87	Peak	
7	5855.9400	13.91	38.82	52.73	110.54	-57.81	Peak	
8	5877.1200	13.19	38.87	52.06	103.63	-51.57	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5785MHz

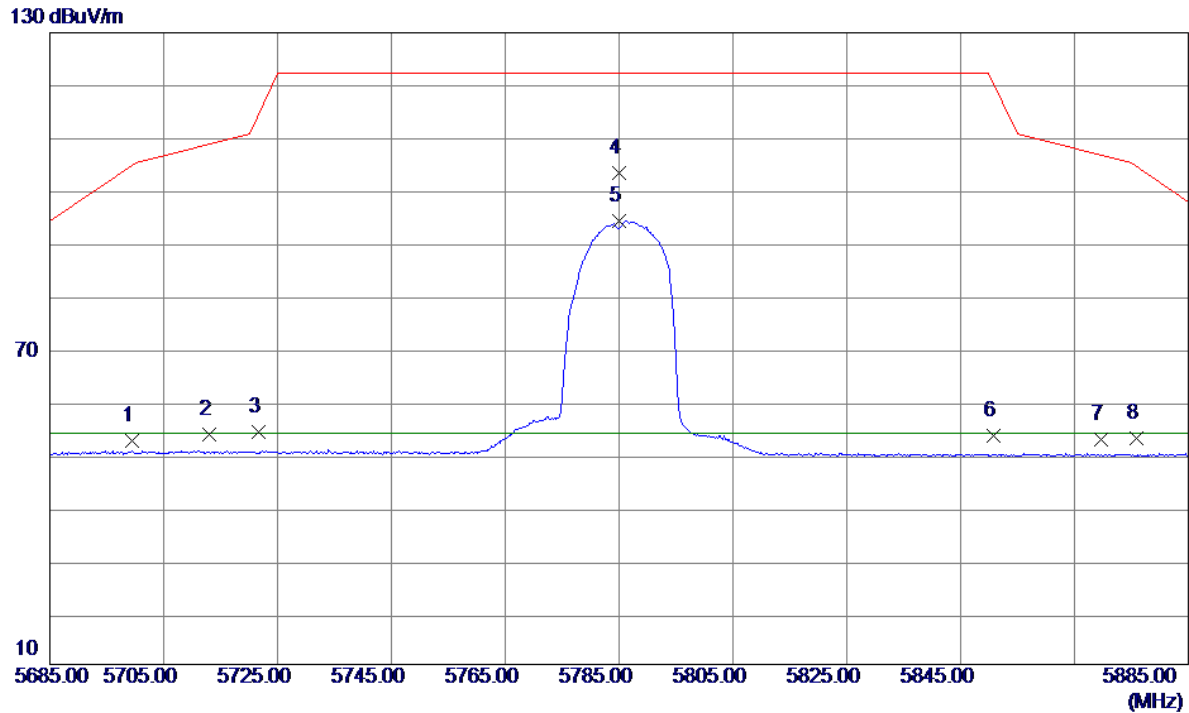
**Vertical**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11570.00	53.67	3.48	57.15	74.00	-16.85	peak	
2	*	11570.00	40.79	3.48	44.27	54.00	-9.73	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5785MHz

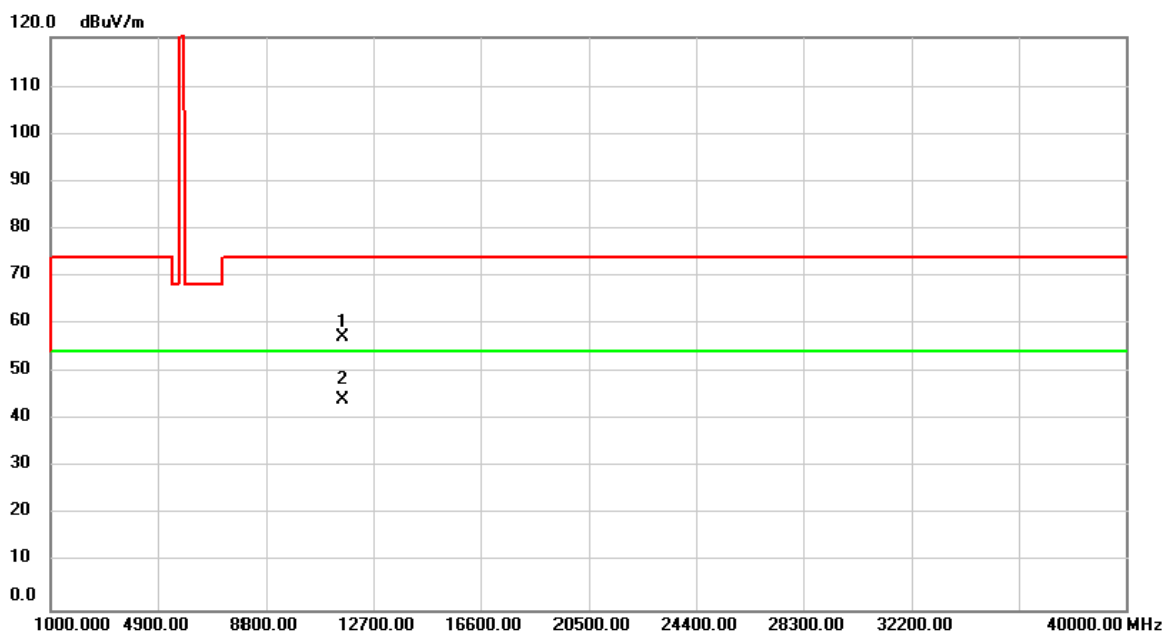
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5699.3849	13.95	38.42	52.37	104.74	-52.37	Peak	
2	5712.9200	15.26	38.46	53.72	108.82	-55.10	Peak	
3	5721.7500	15.75	38.48	54.23	114.79	-60.56	Peak	
4	5785.0000	64.73	38.64	103.37	122.20	-18.83	Peak	No Limit
5 *	5785.0000	55.55	38.64	94.19	54.00	40.19	AVG	No Limit
6	5850.6900	14.56	38.80	53.36	120.63	-67.27	Peak	
7	5869.6400	13.92	38.85	52.77	106.70	-53.93	Peak	
8	5875.8800	14.05	38.87	52.92	104.55	-51.63	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5785MHz

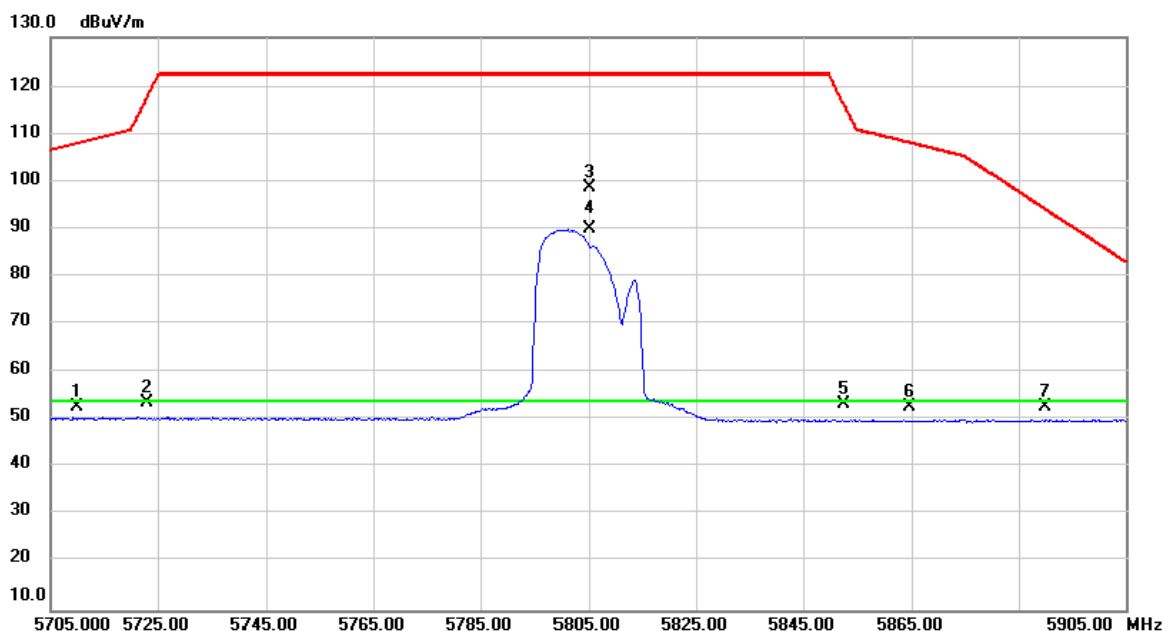
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11570.00	53.79	3.48	57.27	74.00	-16.73	peak	
2	*	11570.00	40.89	3.48	44.37	54.00	-9.63	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5805MHz

# Vertical

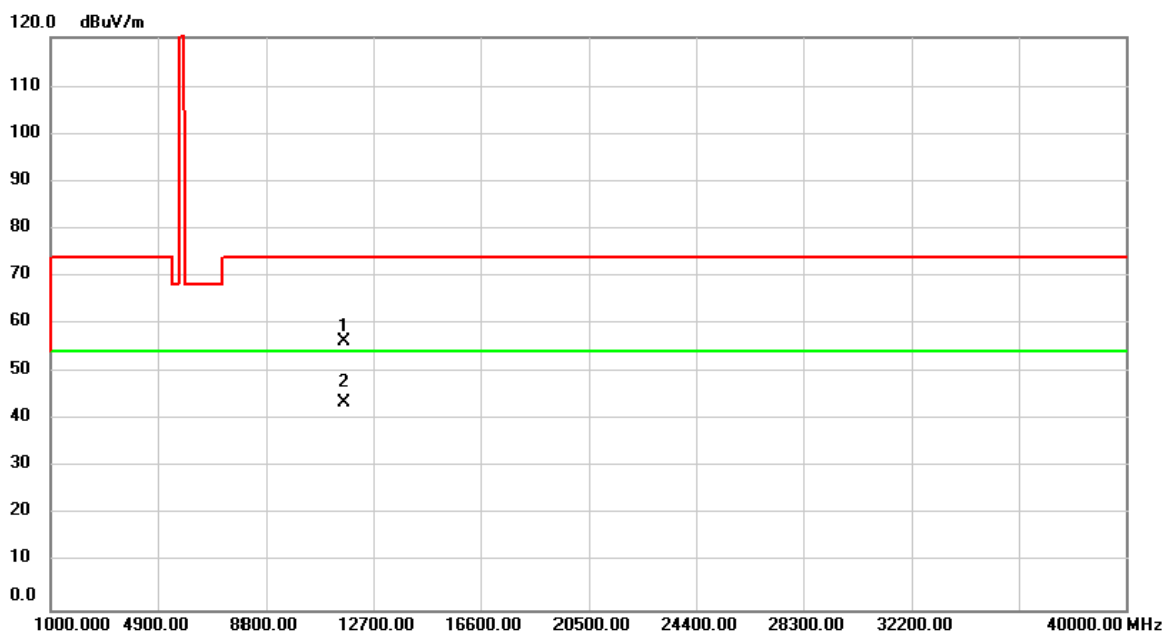


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5709.845	14.25	38.45	52.70	107.96	-55.26	peak	
2		5723.080	15.06	38.48	53.54	117.82	-64.28	peak	
3		5805.000	60.08	38.69	98.77	122.20	-23.43	peak	No Limit
4	*	5805.000	51.12	38.69	89.81	54.00	35.81	AVG	No Limit
5		5852.560	14.40	38.80	53.20	116.36	-63.16	peak	
6		5864.520	13.80	38.84	52.64	108.13	-55.49	peak	
7		5889.850	13.80	38.91	52.71	94.21	-41.50	peak	



Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5805MHz

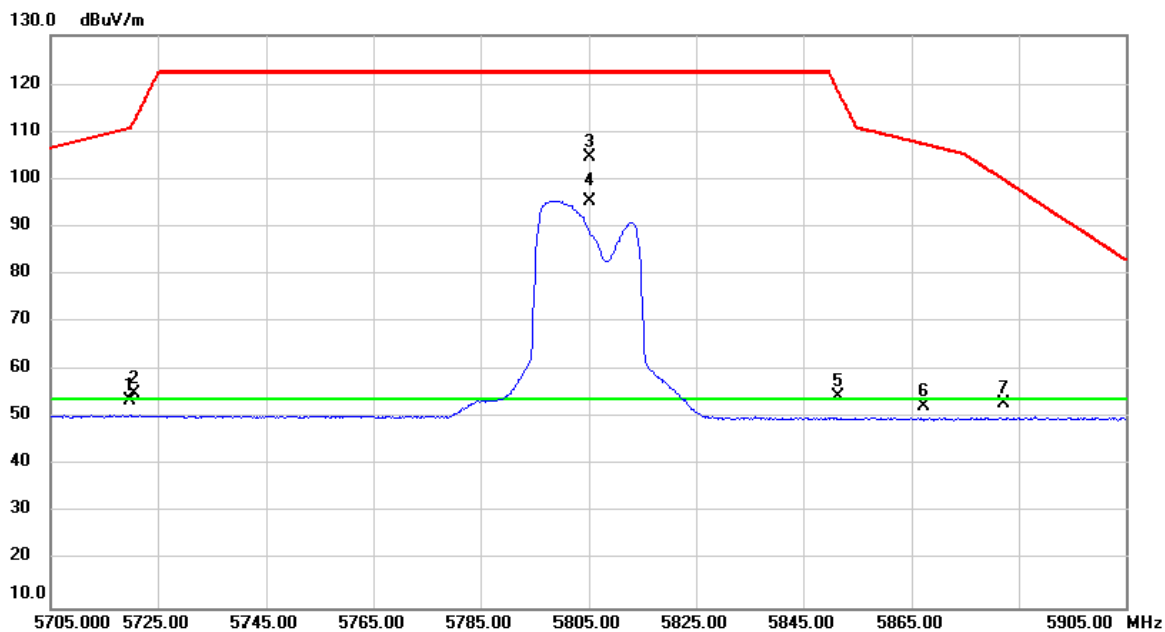
# Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11610.00	52.81	3.41	56.22	74.00	-17.78	peak	
2	*	11610.00	40.35	3.41	43.76	54.00	-10.24	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5805MHz

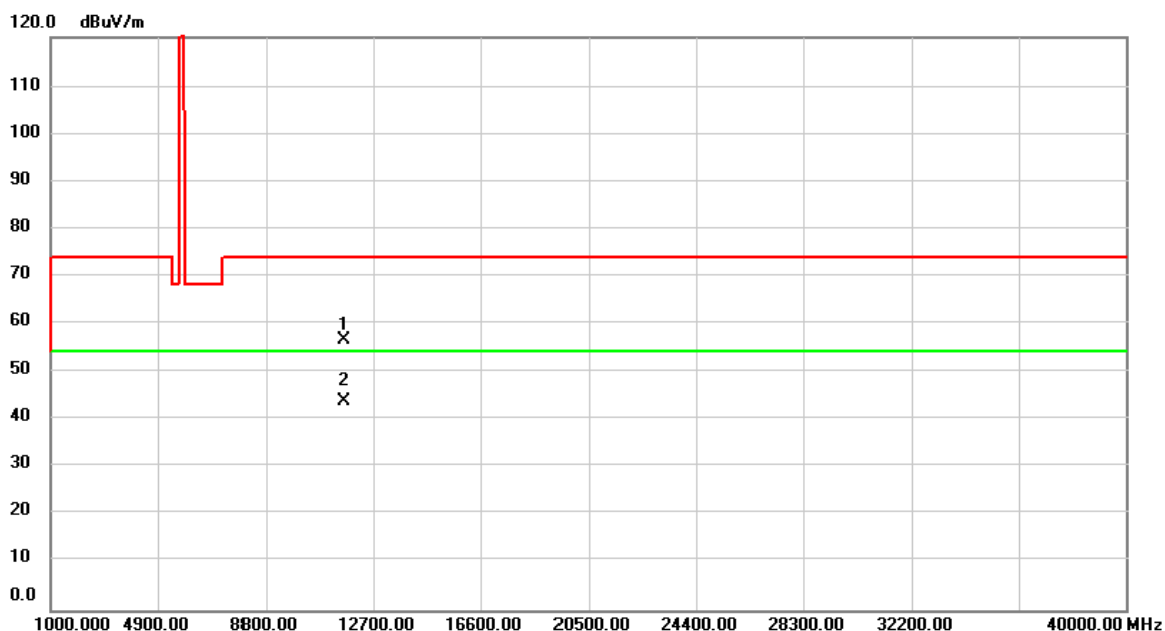
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5719.730	15.32	38.48	53.80	110.72	-56.92	peak	
2		5720.500	16.59	38.48	55.07	111.94	-56.87	peak	
3		5805.000	65.99	38.69	104.68	122.20	-17.52	peak	No Limit
4	*	5805.000	56.73	38.69	95.42	54.00	41.42	AVG	No Limit
5		5851.595	15.81	38.80	54.61	118.56	-63.95	peak	
6		5867.400	13.70	38.84	52.54	107.33	-54.79	peak	
7		5882.200	14.15	38.89	53.04	99.87	-46.83	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5805MHz

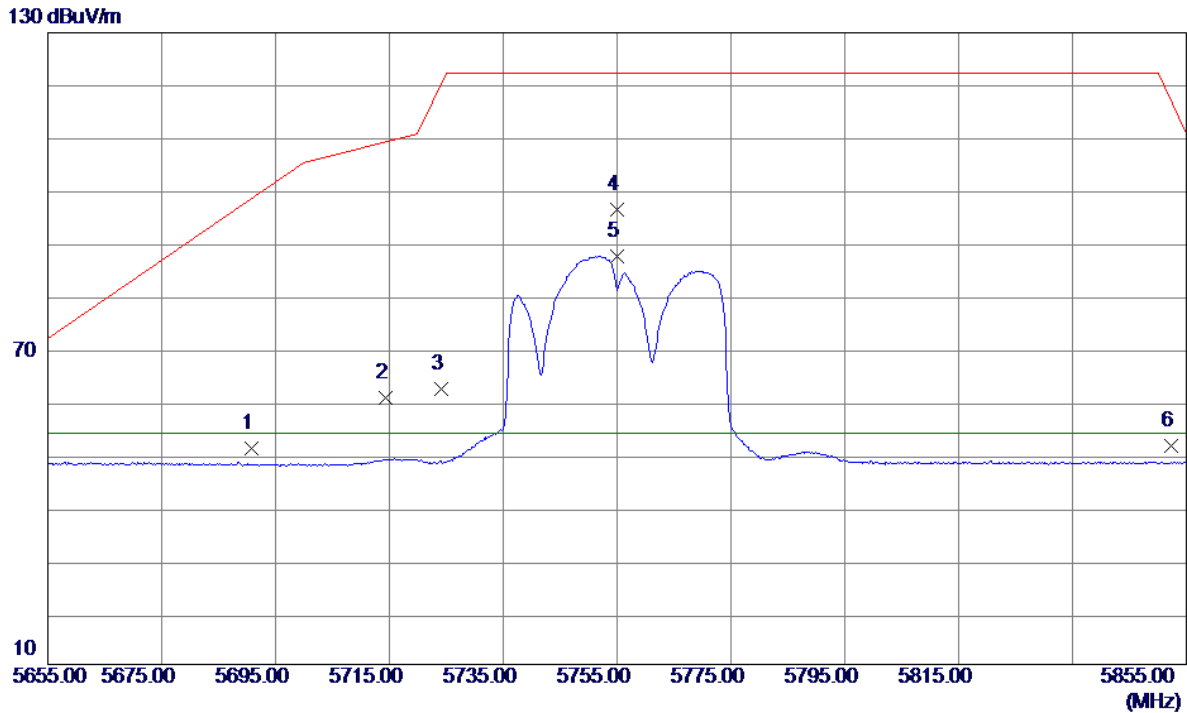
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11610.00	53.22	3.41	56.63	74.00	-17.37	peak	
2	*	11610.00	40.51	3.41	43.92	54.00	-10.08	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5755MHz

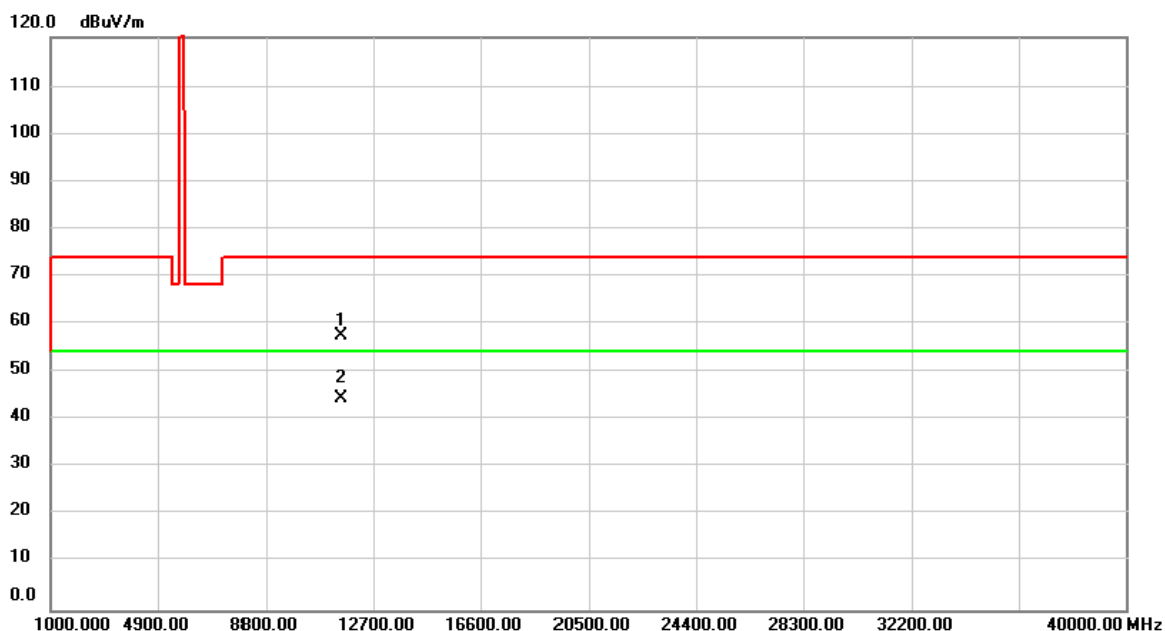
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5690.8200	12.55	38.40	50.95	98.41	-47.46	Peak	
2	5714.2799	22.10	38.46	60.56	109.20	-48.64	Peak	
3	5724.0200	23.93	38.48	62.41	119.97	-57.56	Peak	
4	5755.0000	57.96	38.56	96.52	122.20	-25.68	Peak	No Limit
5 *	5755.0000	49.05	38.56	87.61	54.00	33.61	AVG	No Limit
6	5852.3849	12.61	38.81	51.42	116.76	-65.34	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5755MHz

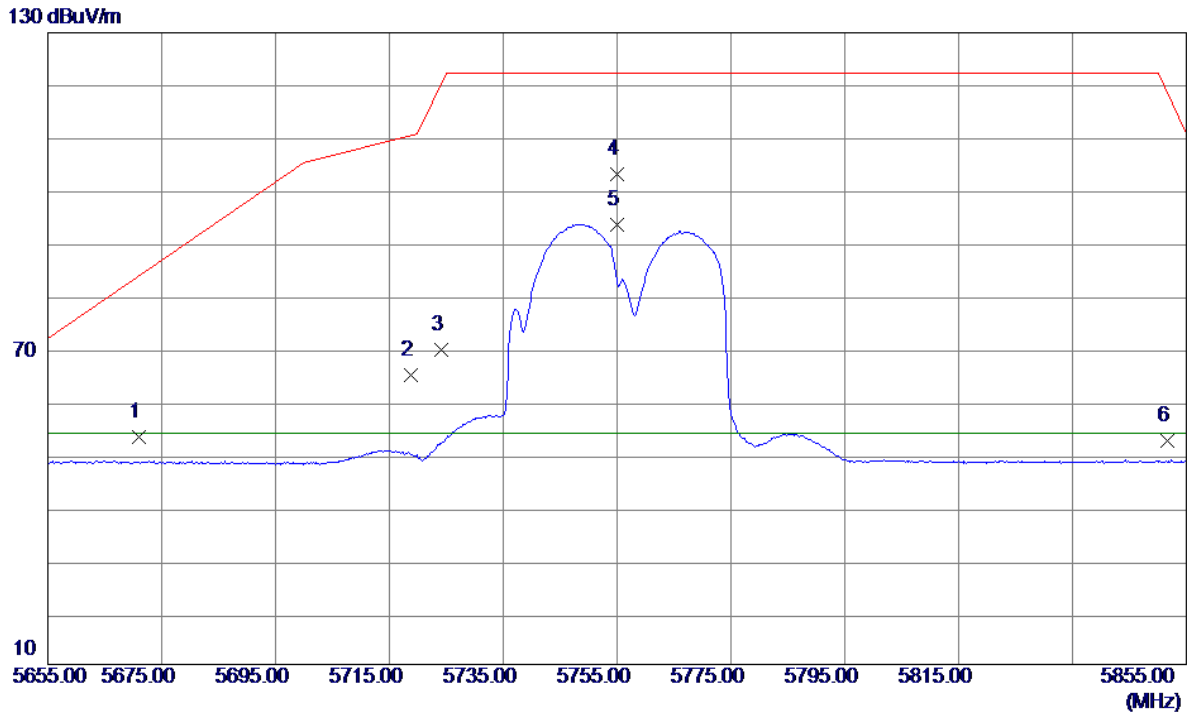
# Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11510.00	54.00	3.60	57.60	74.00	-16.40	peak	
2	*	11510.00	40.90	3.60	44.50	54.00	-9.50	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5755MHz

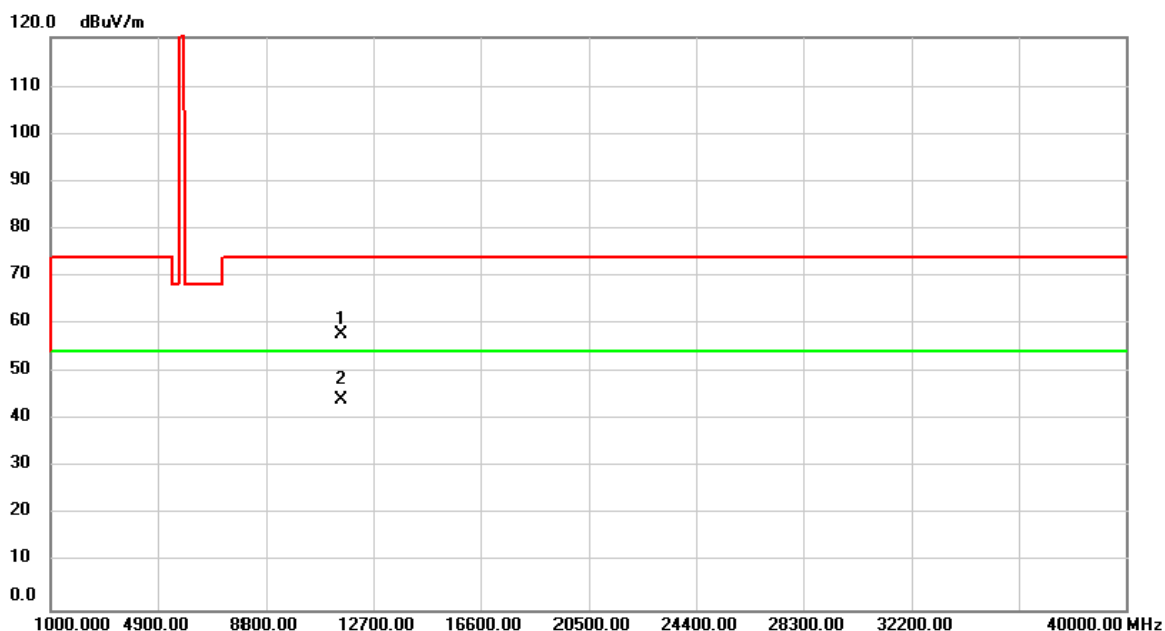
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5671.1100	14.76	38.35	53.11	83.82	-30.71	Peak	
2	5718.7000	26.53	38.47	65.00	110.44	-45.44	Peak	
3	5724.0350	31.17	38.48	69.65	120.00	-50.35	Peak	
4	5755.0000	64.50	38.56	103.06	122.20	-19.14	Peak	No Limit
5 *	5755.0000	55.07	38.56	93.63	54.00	39.63	AVG	No Limit
6	5851.7450	13.70	38.81	52.51	118.22	-65.71	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5755MHz

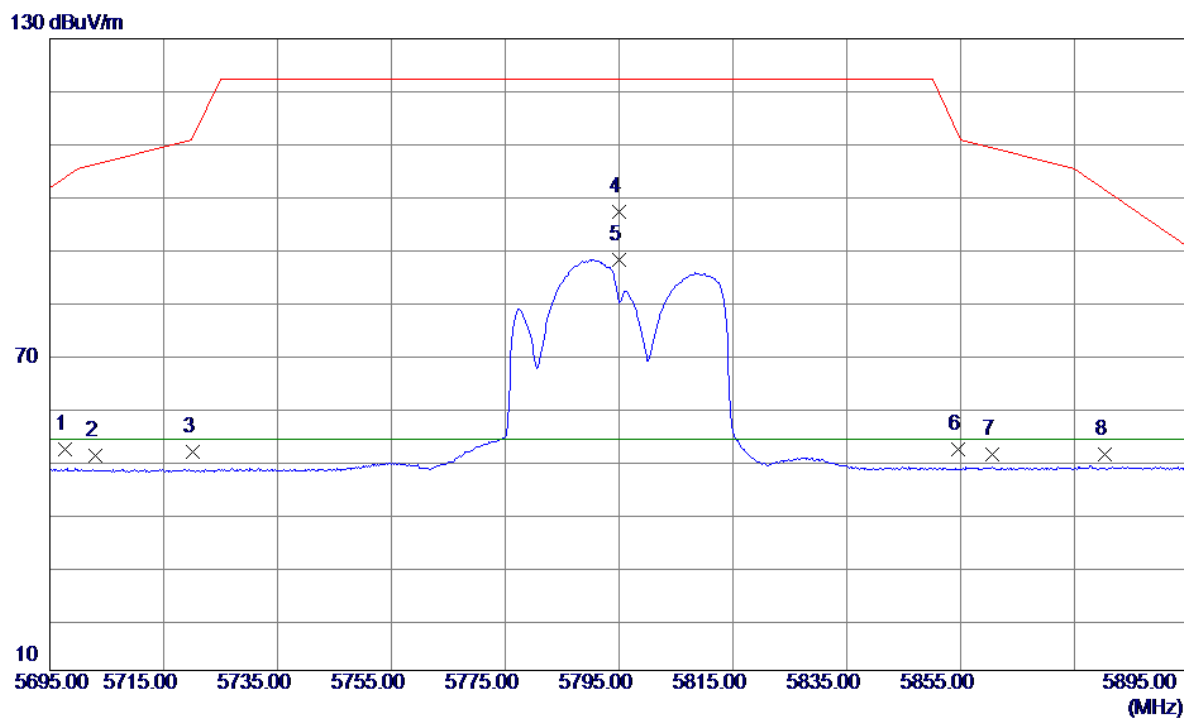
# Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11510.00	54.23	3.60	57.83	74.00	-16.17	peak	
2	*	11510.00	40.80	3.60	44.40	54.00	-9.60	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5795MHz

# Vertical

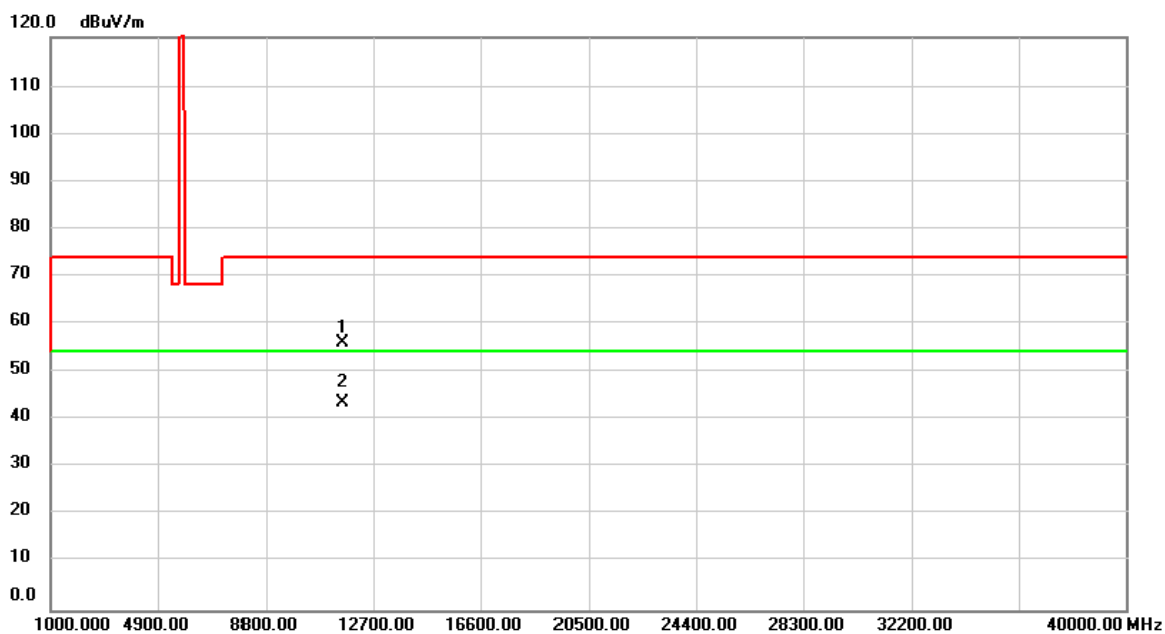


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5697.7650	13.54	38.42	51.96	103.55	-51.59	Peak	
2	5702.9000	12.47	38.43	50.90	106.01	-55.11	Peak	
3	5720.1500	13.00	38.47	51.47	111.14	-59.67	Peak	
4	5795.0000	58.49	38.66	97.15	122.20	-25.05	Peak	No Limit
5 *	5795.0000	49.37	38.66	88.03	54.00	34.03	AVG	No Limit
6	5854.5650	13.19	38.81	52.00	111.79	-59.79	Peak	
7	5860.5800	12.19	38.83	51.02	109.24	-58.22	Peak	
8	5880.3200	12.16	38.88	51.04	101.26	-50.22	Peak	



Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5795MHz

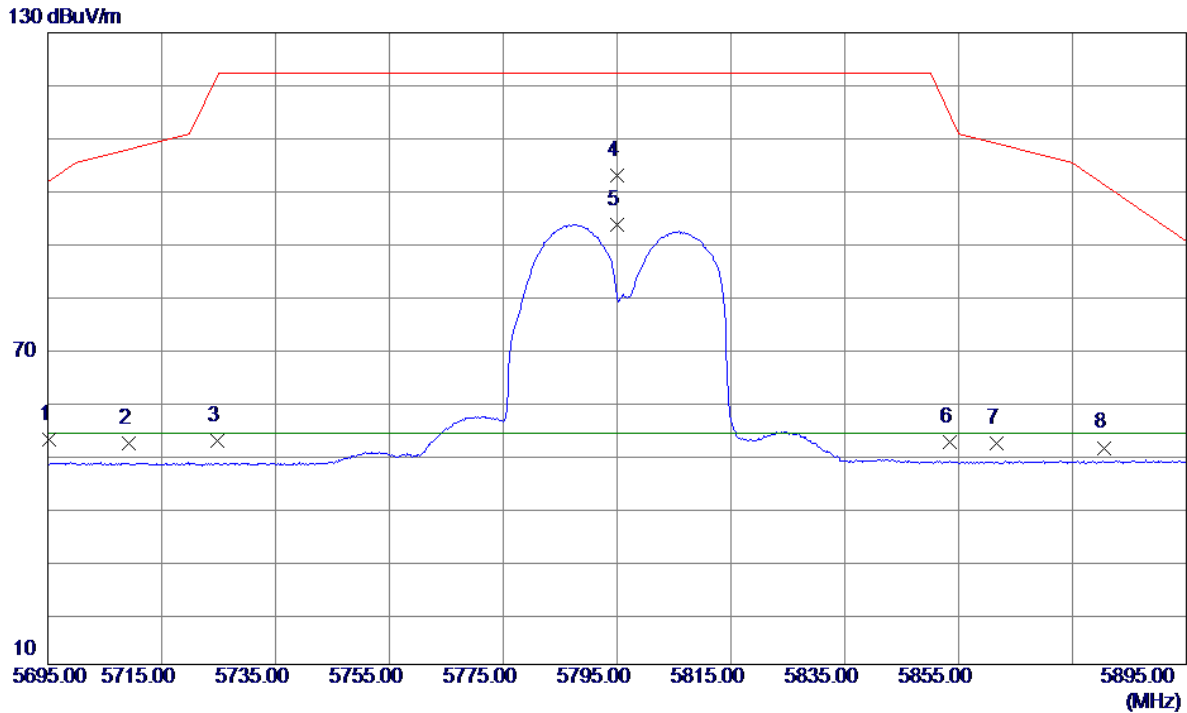
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11590.00	52.62	3.45	56.07	74.00	-17.93	peak	
2	*	11590.00	40.24	3.45	43.69	54.00	-10.31	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5795MHz

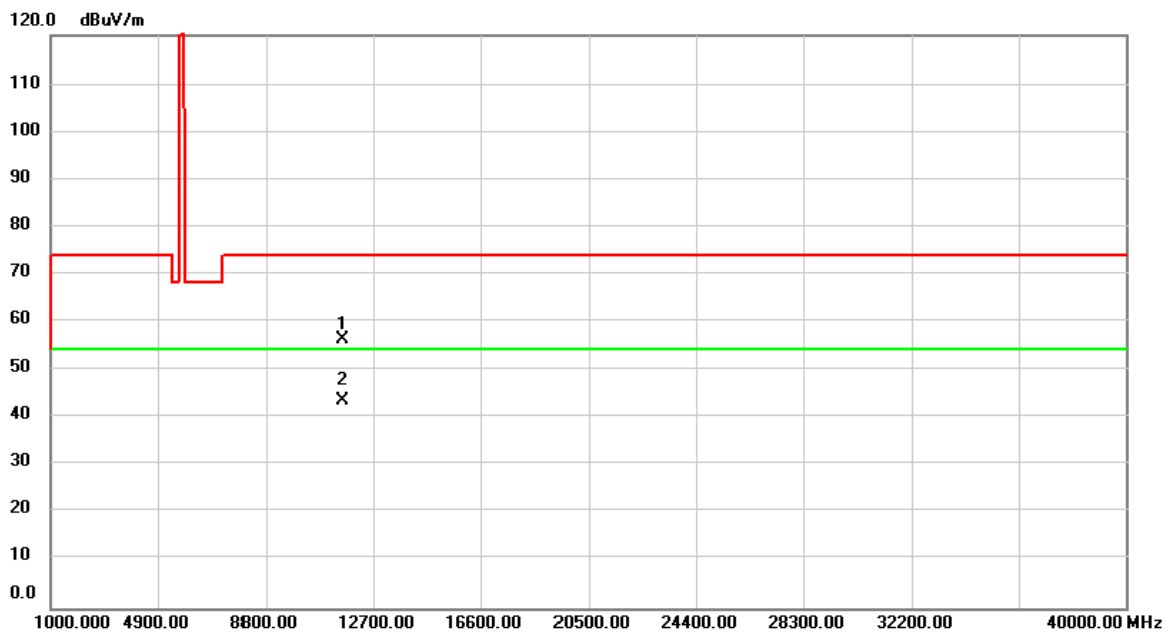
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5695.2599	14.22	38.41	52.63	101.69	-49.06	Peak	
2	5709.3200	13.66	38.45	52.11	107.81	-55.70	Peak	
3	5724.7700	14.05	38.49	52.54	121.68	-69.14	Peak	
4	5795.0000	64.29	38.66	102.95	122.20	-19.25	Peak	No Limit
5 *	5795.0000	54.84	38.66	93.50	54.00	39.50	AVG	No Limit
6	5853.5450	13.37	38.81	52.18	114.12	-61.94	Peak	
7	5861.5600	13.15	38.83	51.98	108.96	-56.98	Peak	
8	5880.5200	12.28	38.88	51.16	101.12	-49.96	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5795MHz

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11590.00	52.91	3.45	56.36	74.00	-17.64	peak	
2	*	11590.00	40.34	3.45	43.79	54.00	-10.21	AVG	

### TX A Mode\_DUTY CYCLE

Duty cycle: 5180 MHz

Duty cycle =  $T_{ON} / T_{Total}$

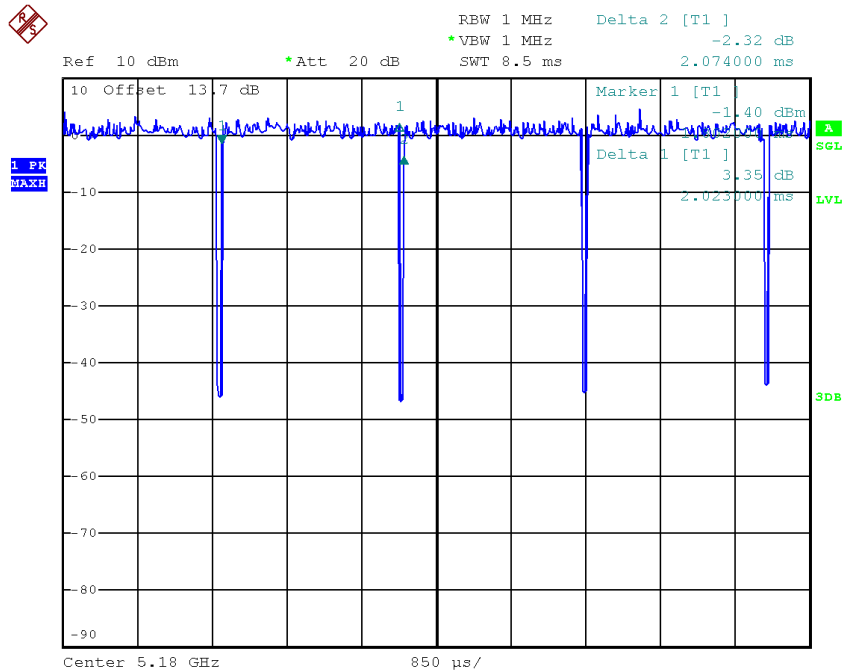
$T_{ON}$ : 2.02 msec

$T_{Total}$ : 2.08 msec

Duty cycle: 97.12%

Duty Factor =  $10 \log(1/\text{Duty cycle})$

Duty Factor = 0.13



Date: 9.NOV.2016 23:42:17

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor  
Power Spectral Density = Measured density + Duty factor

## TX N20 Mode\_DUTY CYCLE

Duty cycle: 5180 MHz

Duty cycle =  $T_{ON} / T_{Total}$

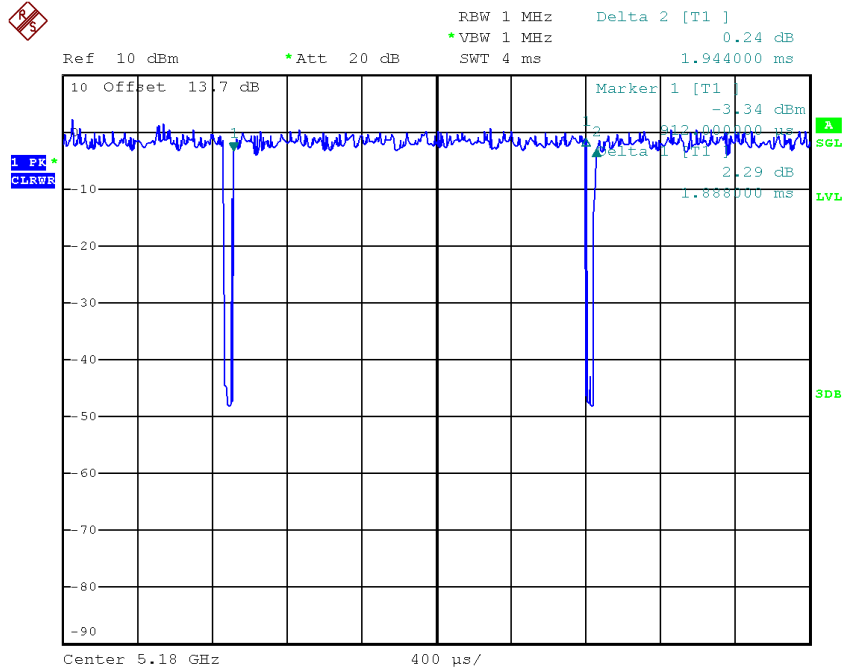
$T_{ON}$ : 1.89 msec

$T_{Total}$ : 1.94 msec

Duty cycle: 97.42%

Duty Factor =  $10 \log(1/\text{Duty cycle})$

Duty Factor = 0.11



Date: 10.NOV.2016 00:34:20

Note: The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be calculated as Output Power = Measured power + Duty factor  
Power Spectral Density = Measured density + Duty factor

# TX N40 Mode\_DUTY CYCLE

Duty cycle: 5190 MHz

Duty cycle =  $T_{ON} / T_{Total}$

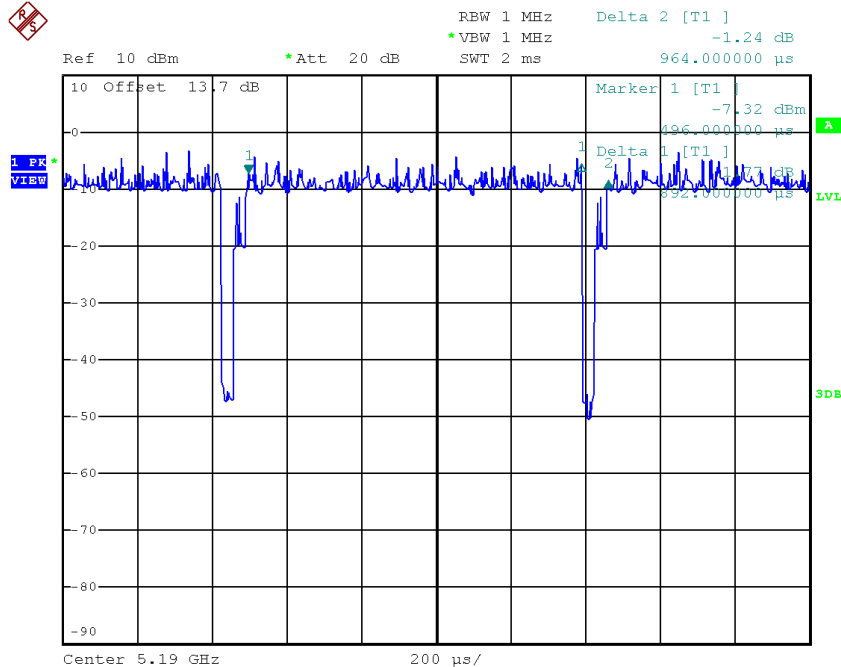
$T_{ON}$ : 0.892 msec

$T_{Total}$ : 0.964 msec

Duty cycle: 92.53 %

Duty Factor =  $10 \log(1/\text{Duty cycle})$

Duty Factor = 0.34



Date: 10.NOV.2016 01:04:24

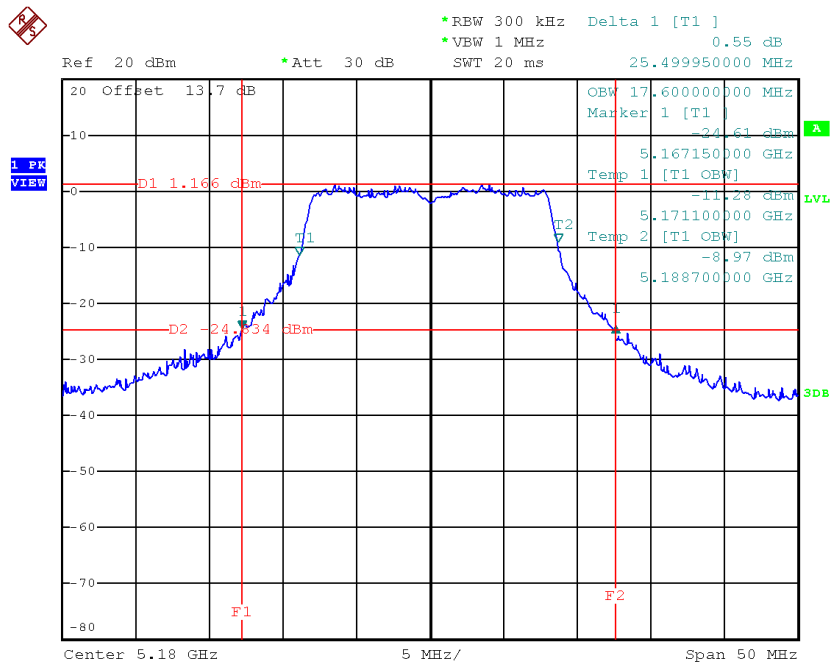
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor  
Power Spectral Density = Measured density + Duty factor

## ATTACHMENT E - BANDWIDTH

Test Mode: UNII-1/TX A Mode\_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	25.50	17.60
CH40	5200	25.09	17.70
CH48	5240	25.39	18.20

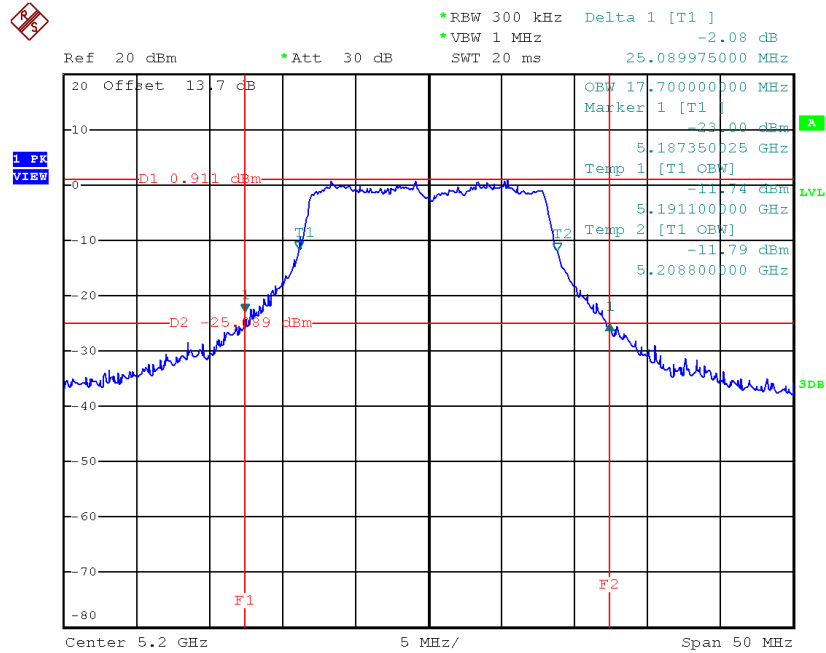
TX CH36



Date: 9.NOV.2016 23:41:56

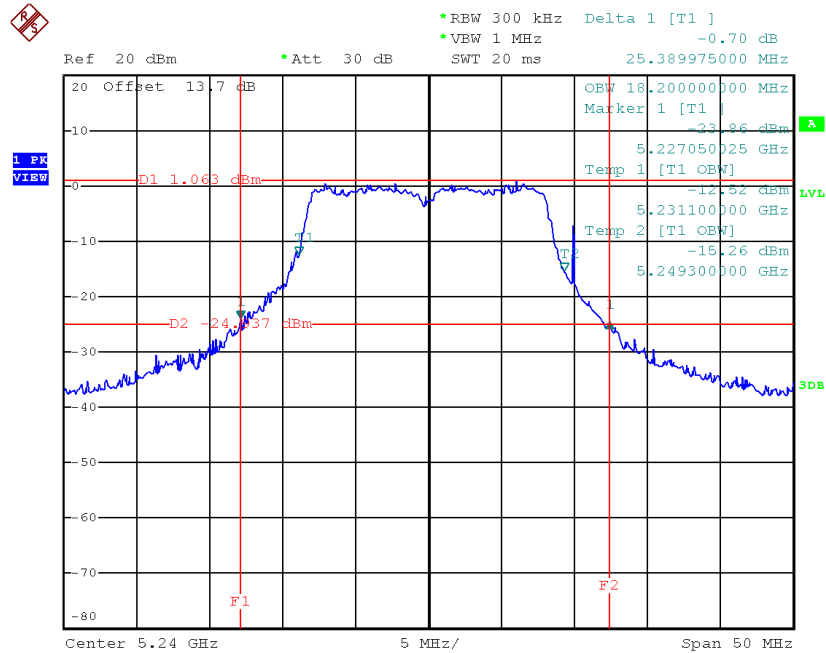


### TX CH40



Date: 9.NOV.2016 23:46:32

### TX CH48

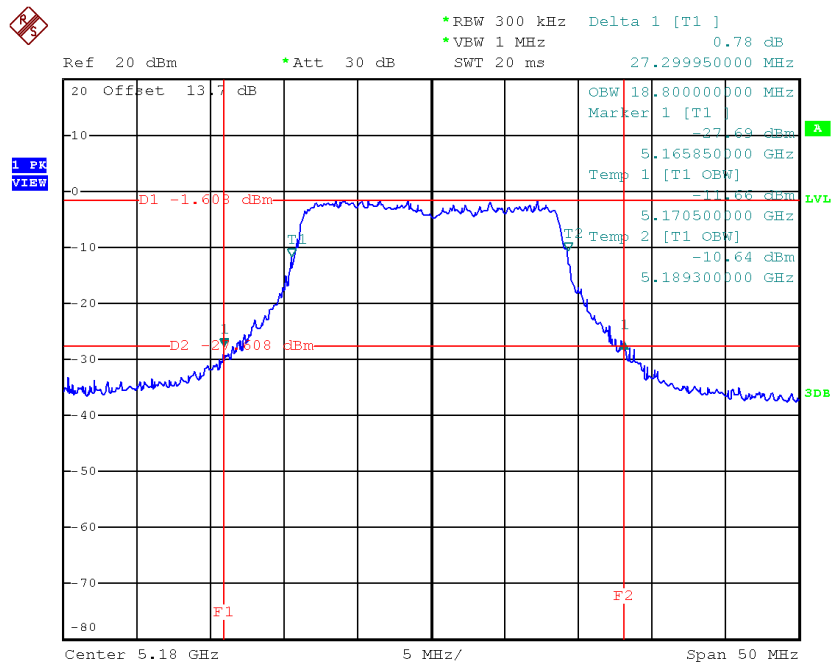


Date: 9.NOV.2016 23:48:31

**Test Mode: UNII-1/TX N20 Mode\_CH36/CH40/CH48**

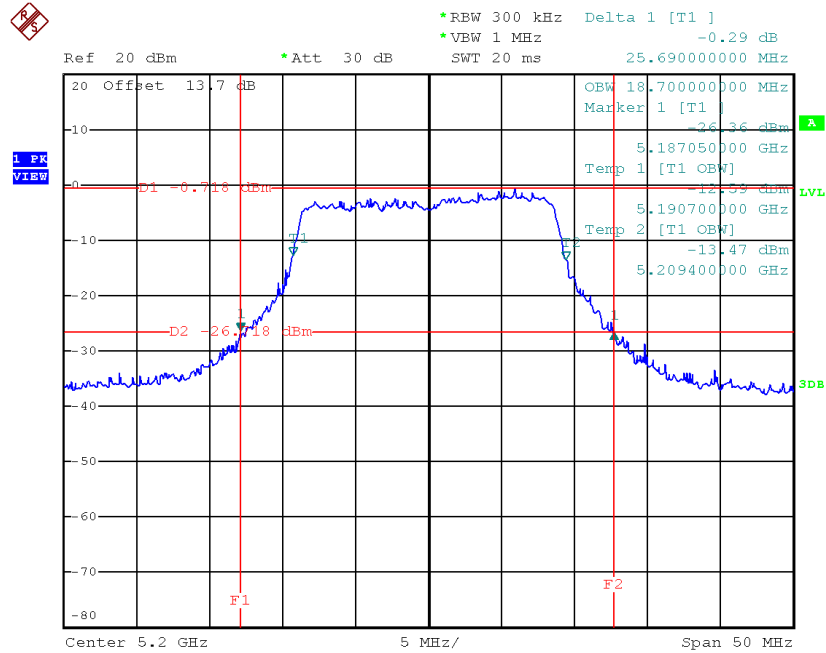
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	27.30	18.80
CH40	5200	25.69	18.70
CH48	5240	25.70	18.70

**TX CH36**



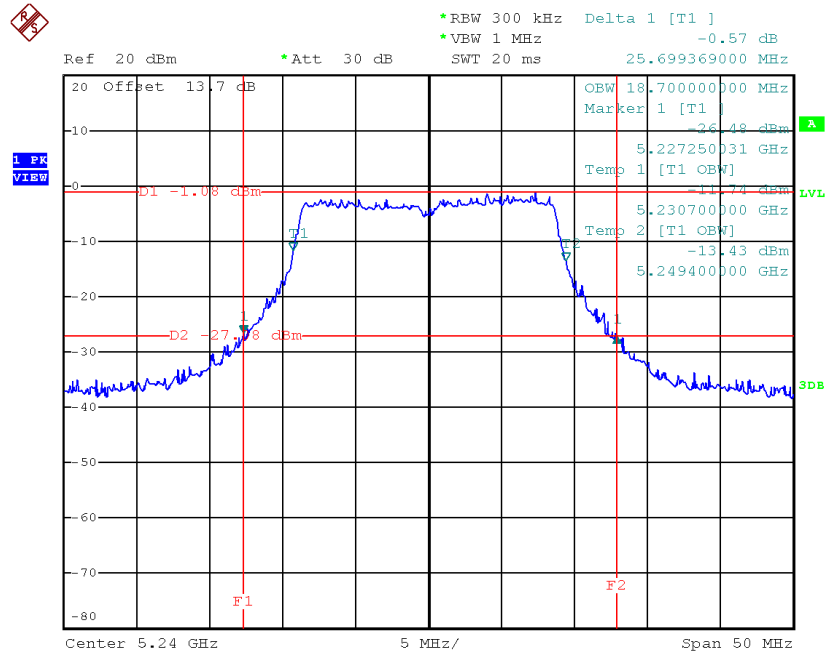
Date: 10.NOV.2016 00:09:52

### TX CH40



Date: 10.NOV.2016 00:11:05

### TX CH48

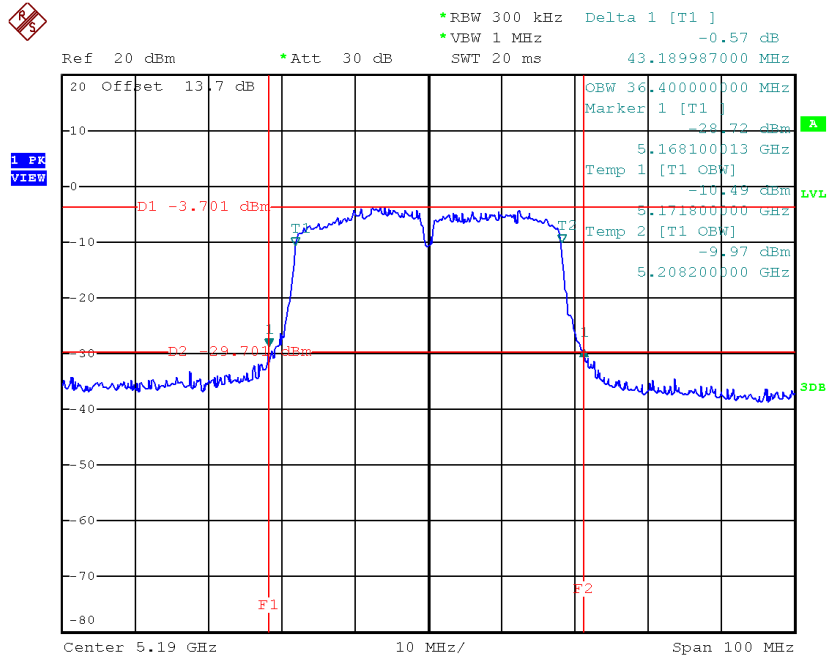


Date: 10.NOV.2016 00:12:12

**Test Mode: UNII-1/TX N40 Mode\_CH38/CH46**

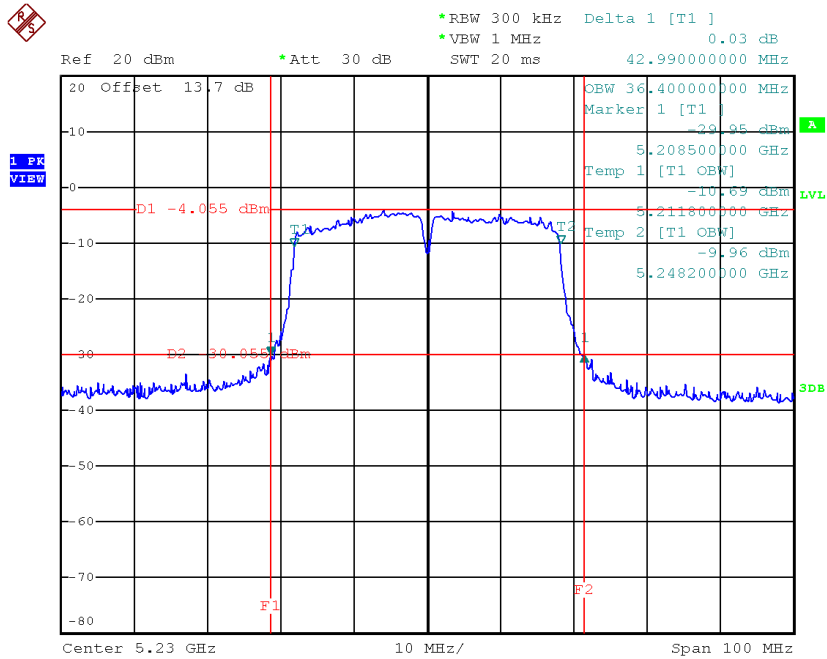
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	43.19	36.40
CH46	5230	42.99	36.40

### TX CH38



Date: 10.NOV.2016 00:38:17

### TX CH46

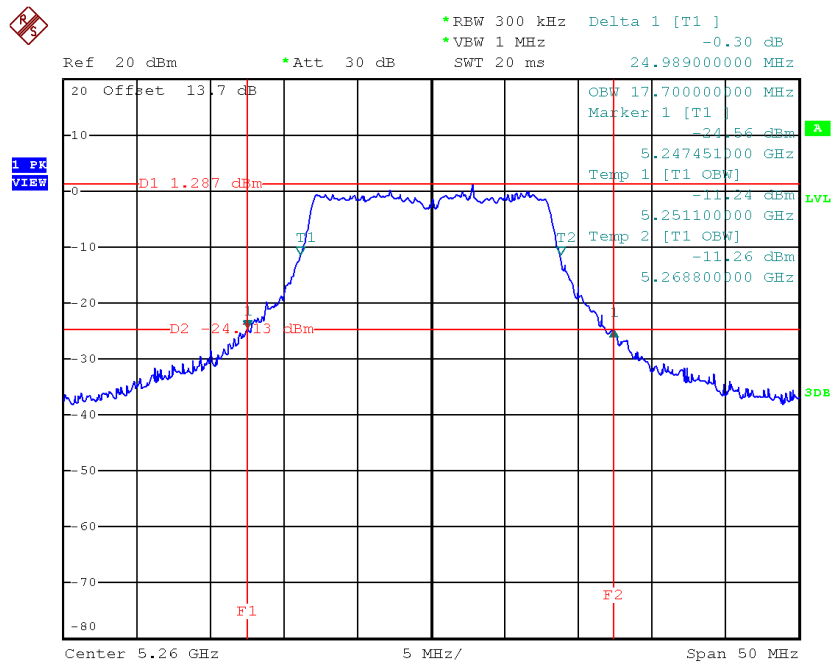


Date: 10.NOV.2016 00:39:51

Test Mode: UNII-2A/TX A Mode\_CH52/CH60/CH64

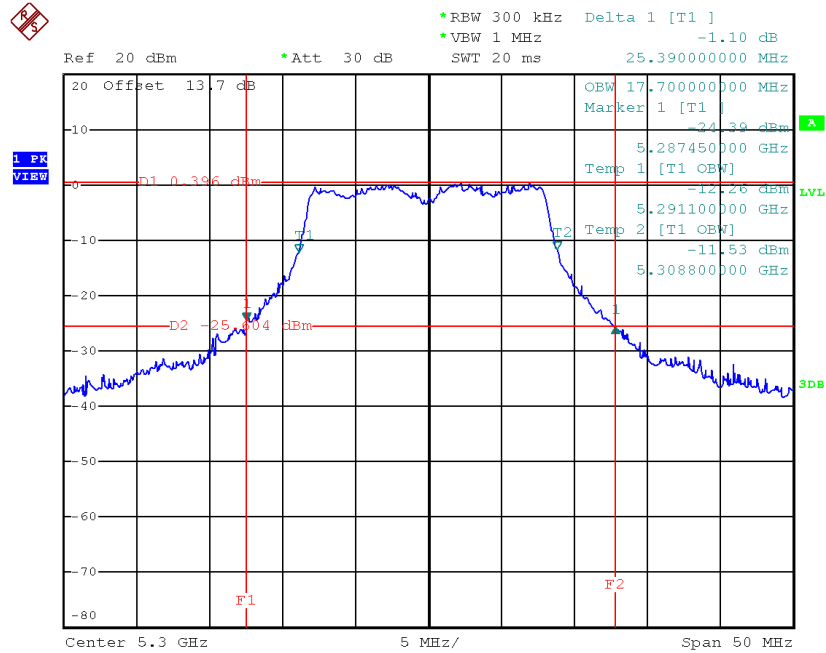
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	24.99	17.70
CH60	5300	25.39	17.70
CH64	5320	25.50	17.50

TX CH52



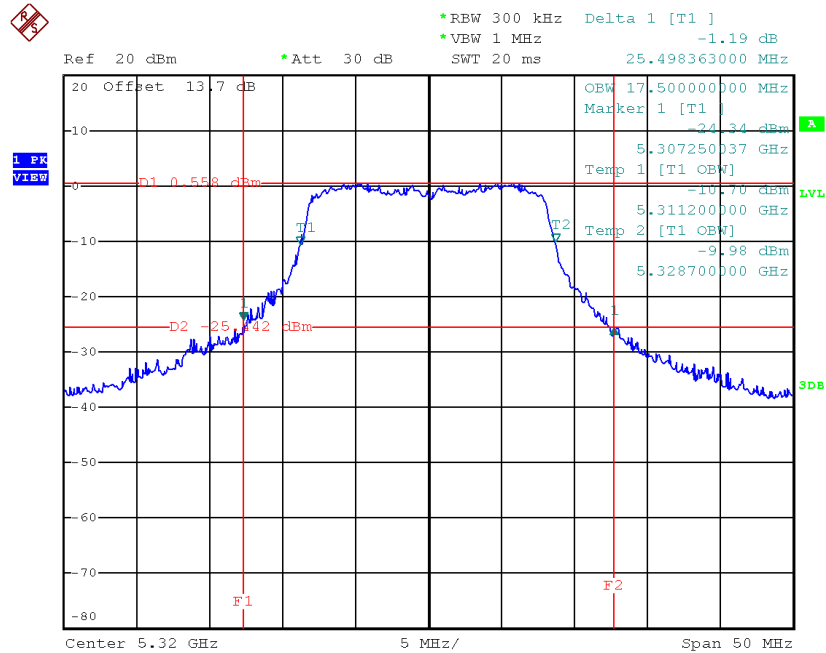
Date: 9.NOV.2016 23:49:34

### TX CH60



Date: 9.NOV.2016 23:50:49

### TX CH64

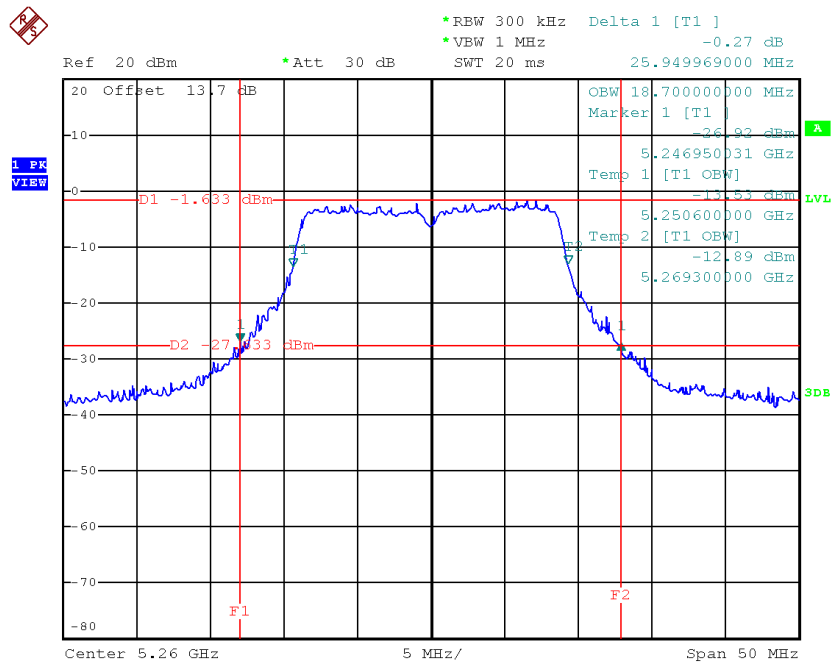


Date: 9.NOV.2016 23:52:54

Test Mode: UNII-2A/TX N20 Mode\_CH52/CH60/CH64

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	25.95	18.70
CH60	5300	26.15	18.50
CH64	5320	25.21	18.50

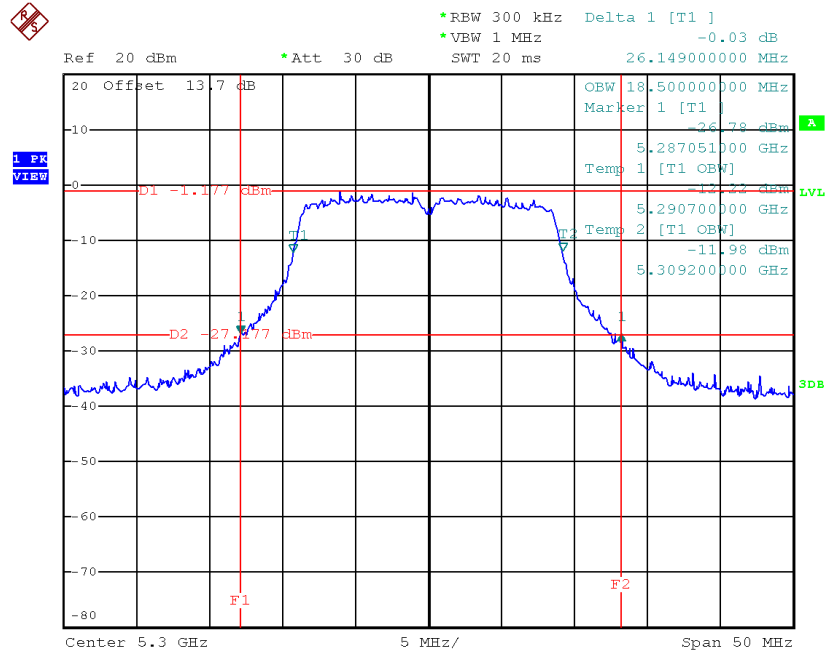
TX CH52



Date: 10.NOV.2016 00:15:46

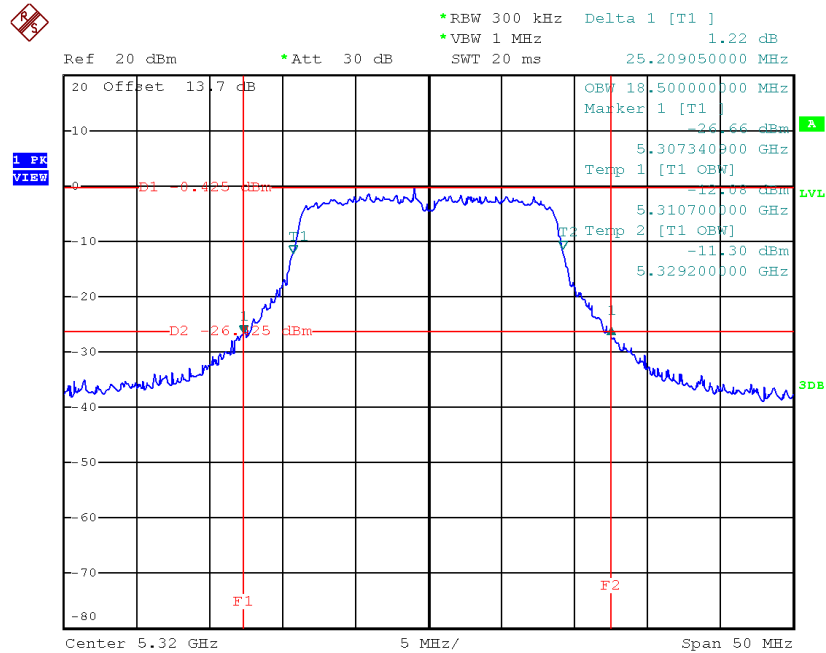


# TX CH60



Date: 10.NOV.2016 00:17:11

# TX CH64

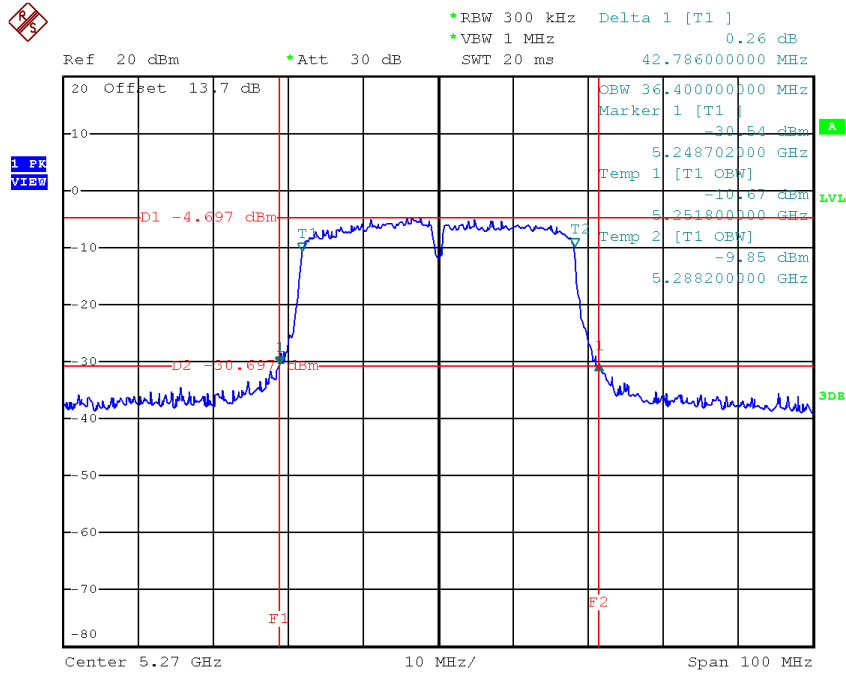


Date: 10.NOV.2016 00:18:16

**Test Mode: UNII-2A/TX N40 Mode\_CH54/CH62**

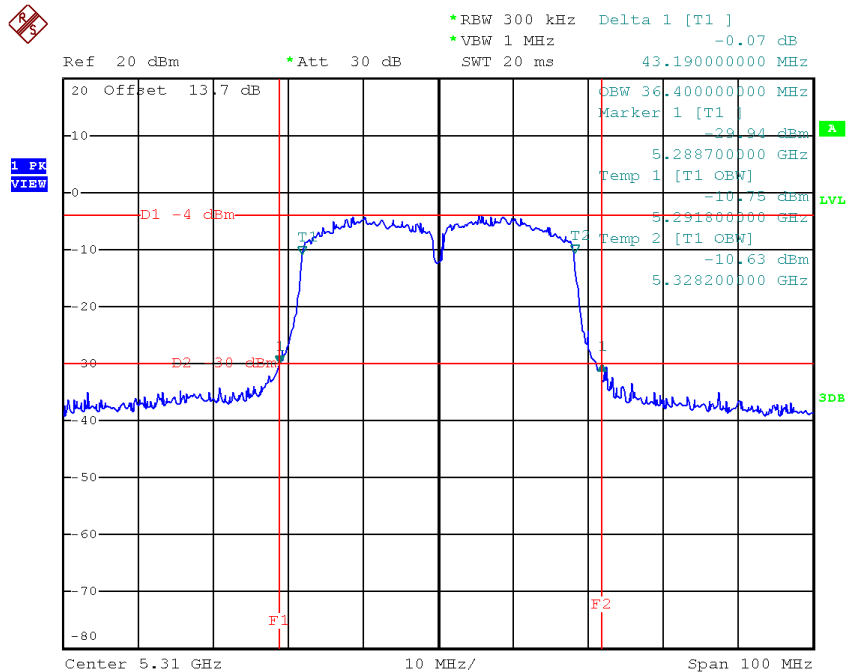
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH54	5270	42.79	36.40
CH62	5310	43.19	36.40

### TX CH54



Date: 10.NOV.2016 00:41:15

### TX CH62

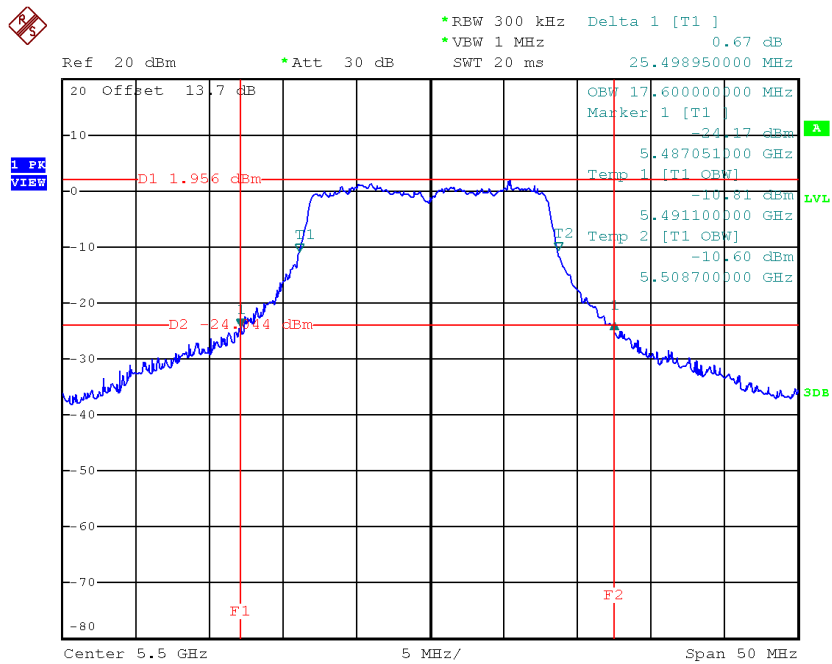


Date: 10.NOV.2016 00:42:53

Test Mode: UNII-2C/TX A Mode\_CH100/CH116/CH140

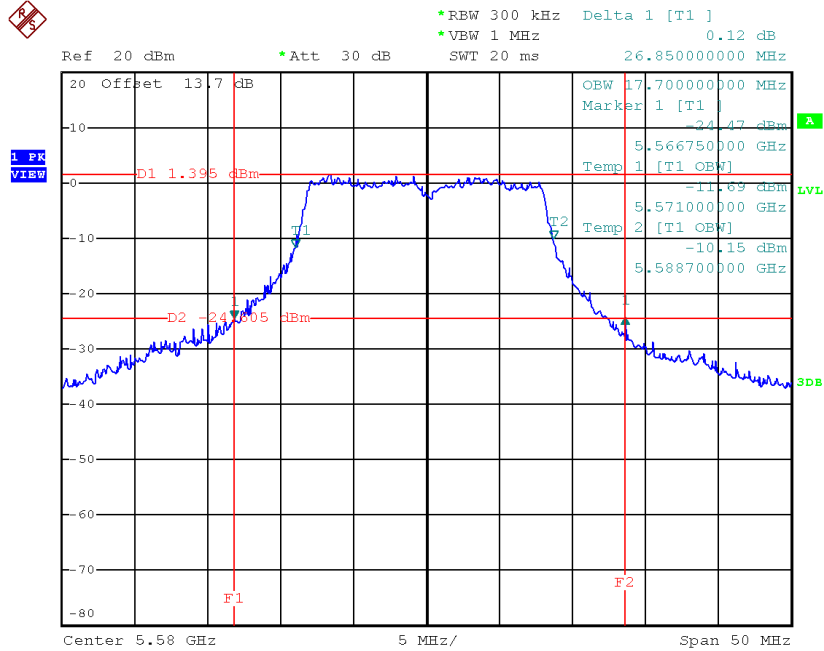
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH100	5500	25.50	17.60
CH116	5580	26.85	17.70
CH140	5700	24.99	17.70

TX CH100



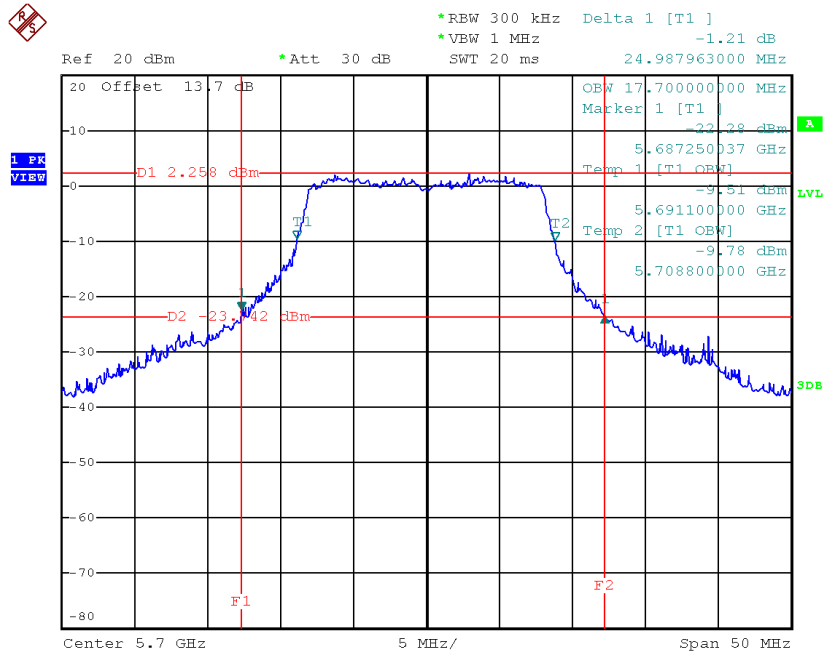
Date: 9.NOV.2016 23:54:31

### TX CH116



Date: 9.NOV.2016 23:55:36

### TX CH140



Date: 9.NOV.2016 23:57:15