


# FCC Radio Test Report

**FCC ID: V7TA18**

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

**Project No.** : 1710C164  
**Equipment** : AC1200 Dual Band WiFi Repeater, AC750 Dual Band WiFi Repeater  
**Test Model** : A18  
**Series Model** : A15  
**Applicant** : SHENZHEN TENDA TECHNOLOGY CO.,LTD  
**Address** : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

**Date of Receipt** : Oct. 18, 2017  
**Date of Test** : Oct. 18, 2017 ~ Nov. 16, 2017  
**Issued Date** : Nov. 17, 2017  
**Tested by** : BTL Inc.

Testing Engineer :   
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Lab Code: 200788-0

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

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## REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1710C164	Original Issue.	Nov. 17, 2017

## 1. CERTIFICATION

Equipment : AC1200 Dual Band WiFi Repeater, AC750 Dual Band WiFi Repeater  
Brand Name : Tenda  
Test Model : A18  
Series Model : A15  
Applicant : SHENZHEN TENDA TECHNOLOGY CO.,LTD  
Manufacturer : SHENZHEN TENDA TECHNOLOGY CO.,LTD  
Address : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District,  
Shenzhen, China. 518052  
Date of Test : Oct. 18, 2017 ~ Nov. 15, 2017  
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-2-1710C164) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)			
Standard(s) Section	Test Item	Judgment	Remark
15.207	AC Power Line Conducted Emissions	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 is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's test firm number for FCC: 854385

BTL's designation number for FCC: CN5020

## 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 Measurement:

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

### B. Radiated Measurement:

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

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	AC1200 Dual Band WiFi Repeater, AC750 Dual Band WiFi Repeater	
Brand Name	Tenda	
Test Model	A18	
Series Model	A15	
Model Difference	Only differ in product name and model name.	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	887 Mbps
	Output Power (Max.)for UNII-1	802.11a: 16.25dBm 802.11n (20M): 19.30dBm 802.11n (40M): 20.68dBm 802.11ac (20M): 18.74dBm 802.11ac (40M): 20.38dBm 802.11ac (80M): 14.87dBm
	Output Power (Max.)for UNII-3	802.11a: 20.97dBm 802.11n (20M): 20.89dBm 802.11n (40M): 21.79dBm 802.11ac (20M): 19.88dBm 802.11ac (40M): 21.49dBm 802.11ac (80M): 21.67dBm
Power Source	AC Mains.	
Power Rating	AC100-240V 50/60Hz 0.3A	

Note:

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

UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

### 3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	Dipole	N/A	3	N/A
2	N/A	N/A	Dipole	N/A	3	N/A

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R).

### 4. Operating Mode

TX Mode	1TX	2TX
802.11a	V (ANT 1)	-
802.11n (20MHz)	-	V (ANT 1+ANT 2)
802.11n (40MHz)	-	V (ANT 1+ANT 2)
802.11ac (20MHz)	-	V (ANT 1+ANT 2)
802.11ac (40MHz)	-	V (ANT 1+ANT 2)
802.11ac (80MHz)	-	V (ANT 1+ANT 2)

ANT 1 for 1TX was found to be the worst case and recorded

### 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 AC20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC40 Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC80 Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC40 Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC80 Mode / CH155 (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 AC20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC40 Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC80 Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC40 Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC80 Mode / CH155 (UNII-3)

Note:

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

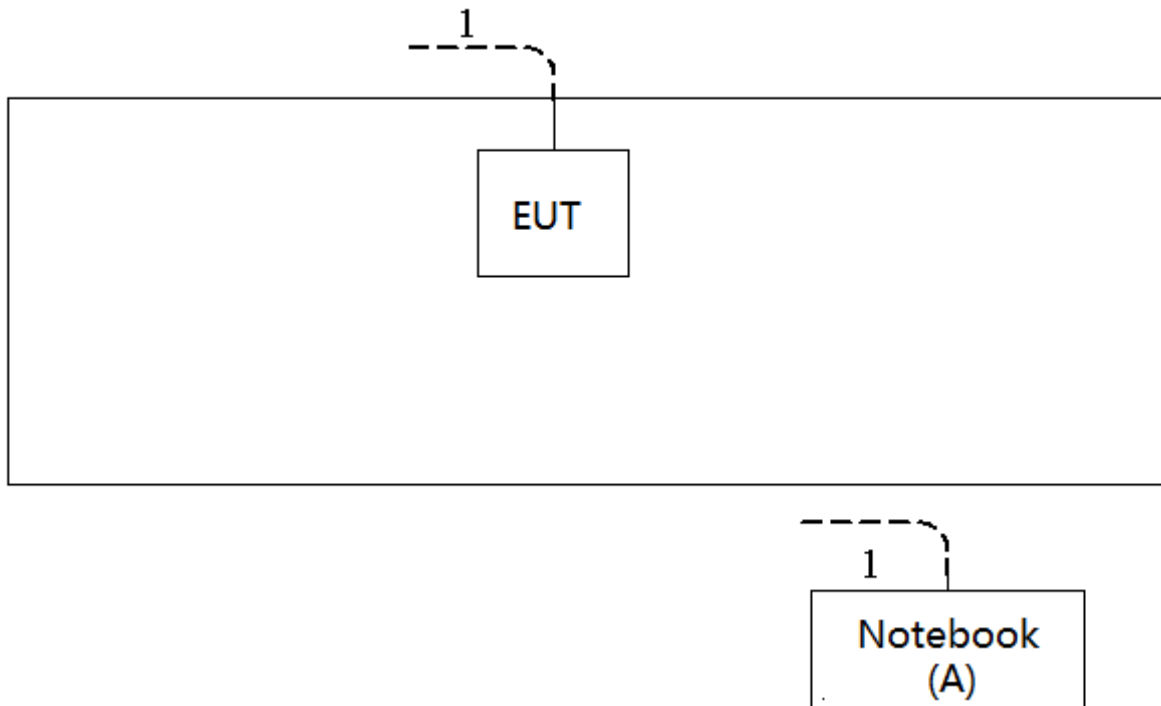
### 3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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	MP-v3.4		
Frequency (MHz)	5180	5200	5240
A Mode	50	51	51
N20 Mode	52	52	52
Frequency (MHz)	5190	5230	
N40 Mode	46	57	
Frequency (MHz)	5180	5200	5240
AC20 Mode	53	52	52
Frequency (MHz)	5190	5230	
AC40 Mode	46	57	
Frequency (MHz)	5210		
AC80 Mode	46		

UNII-3			
Test Software Version	MP-v3.4		
Frequency (MHz)	5745	5785	5825
A Mode	63	63	63
N20 Mode	54	54	55
Frequency (MHz)	5755	5795	
N40 Mode	59	59	
Frequency (MHz)	5745	5785	5825
AC20 Mode	52	54	54
Frequency (MHz)	5755	5795	
AC40 Mode	58	59	
Frequency (MHz)	5775		
AC80 Mode	62		

### 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	Notebook	Dell	DCSM	DOC	G7K832X

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	10m	RJ45 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.

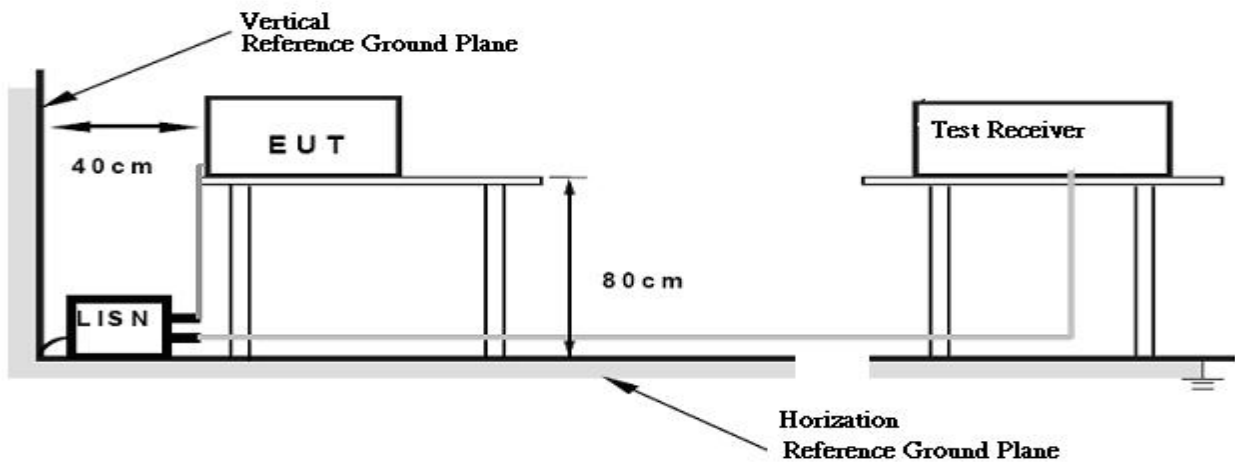
#### 4.1.2 TEST PROCEDURE

- 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: 53%    Test Voltage: AC 120V/60Hz

#### 4.1.7 TEST RESULTS

Please refer to the Appendix 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

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

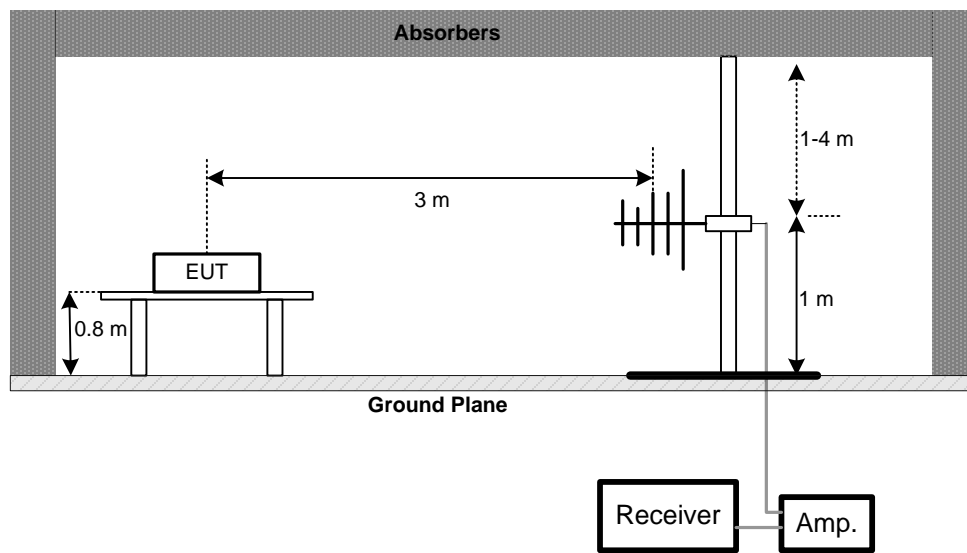
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of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

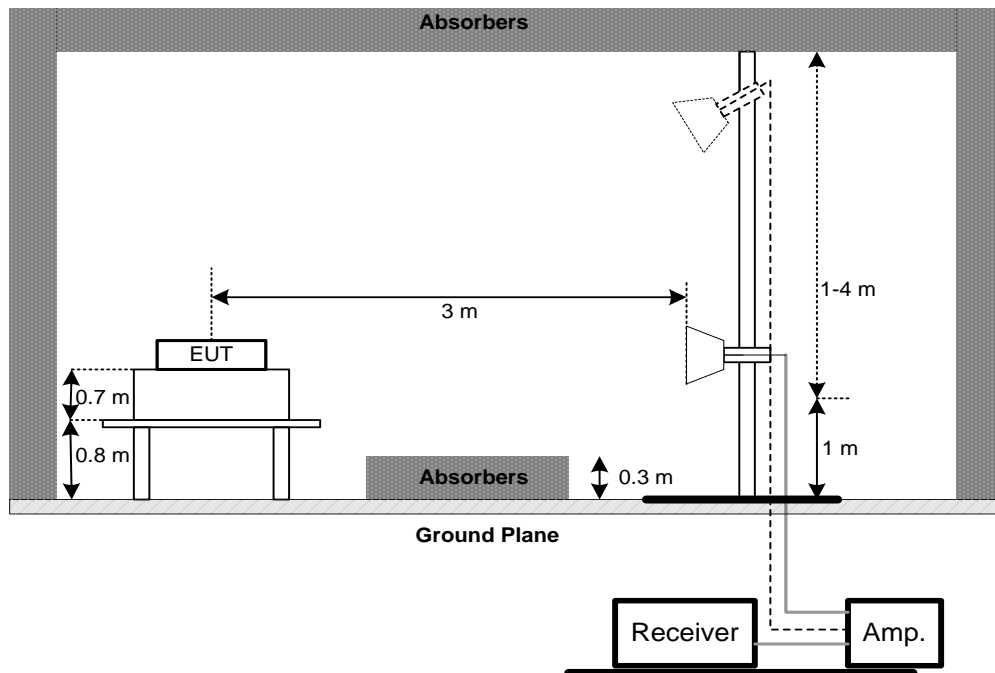
No deviation

#### 4.2.4 TEST SETUP

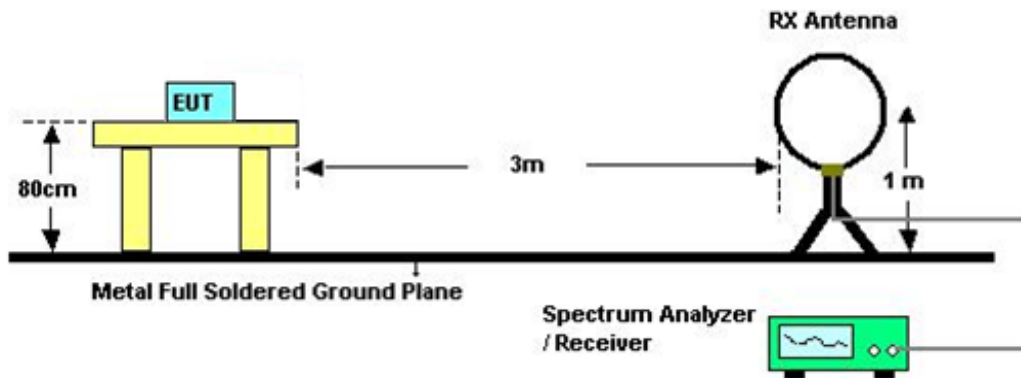
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



(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: 60%    Test Voltage: AC 120V/60Hz

**4.2.7 TEST RESULTS (9K TO 30MHz)**

Please refer to the Appendix 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 Appendix C.

**4.2.9 TEST RESULTS (ABOVE 1000 MHz)**

Please refer to the Appendix 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
	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.

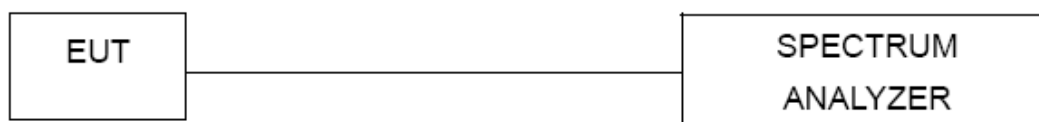
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz(Bandwidth 20MHz) 1MHz(Bandwidth 40MHz and 80MHz)
VBW	1MHz(Bandwidth 20MHz) 3MHz(Bandwidth 40MHz and 80MHz)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- 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: 60%    Test Voltage: AC 120V/60Hz

### 5.1.6 TEST RESULTS

Please refer to the Appendix 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) Mobile and portable: 250mW (24dBm)	5150-5250	PASS
	1 Watt (30dBm)	5725-5850	PASS
Note: The maximum e.i.r.p at any elevation angle above 30 degrees as measured from the horizon must not exceed 125mW(21dBm)			

#### 6.1.1 TEST PROCEDURE

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

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

- c. 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: 60%    Test Voltage: AC 120V/60Hz

#### 6.1.6 TEST RESULTS

Please refer to the Appendix 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 Mobile and portable:17dBm/MHz Mobile and portable:11dBm/MHz	5150-5250	PASS
	30dBm/500kHz	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	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.

#### 7.1.1 DEVIATION FROM STANDARD

No deviation.

#### 7.1.2 TEST SETUP



#### 7.1.3 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.

#### 7.1.4 EUT TEST CONDITIONS

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

#### 7.1.5 TEST RESULTS

Please refer to the Appendix H.

## 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
		5725-5850	PASS

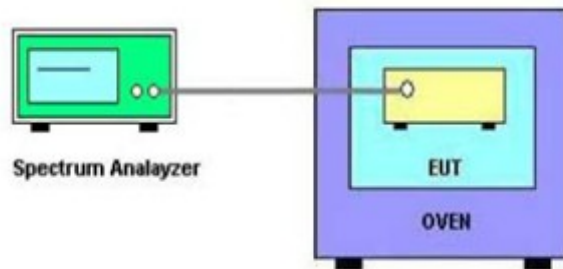
#### 8.1.1 TEST PROCEDURE

- 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 0°C~40°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 Appendix I.

## 9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 26, 2018
2	LISN	EMCO	3816/2	52765	Mar. 26, 2018
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 26, 2018
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 26, 2018
5	Cable	N/A	RG223	12m	Oct. 19, 2018
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Below 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 19, 2018
3	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	Jun. 26, 2018
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 05, 2018

Radiated Emission Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 26, 2018
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 08, 2018
3	Amplifier	Agilent	8449B	3008A02274	May. 16, 2018
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
5	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
6	Antenna	EM	EM-6876-1	230	Mar. 06, 2018
7	Controller	CT	SC100	N/A	N/A
8	Controller	MF	MF-7802	MF780208416	N/A
9	Cable	emci	EMC104-SM-SM-1 2000(12m)	N/A	Jun. 26, 2018
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 03, 2018

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Mar. 26, 2018
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 26, 2018

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 03, 2018

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 03, 2018
2	Precision Oven Tester	Bell	BTH-50C	20170306001	Mar. 26, 2018

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





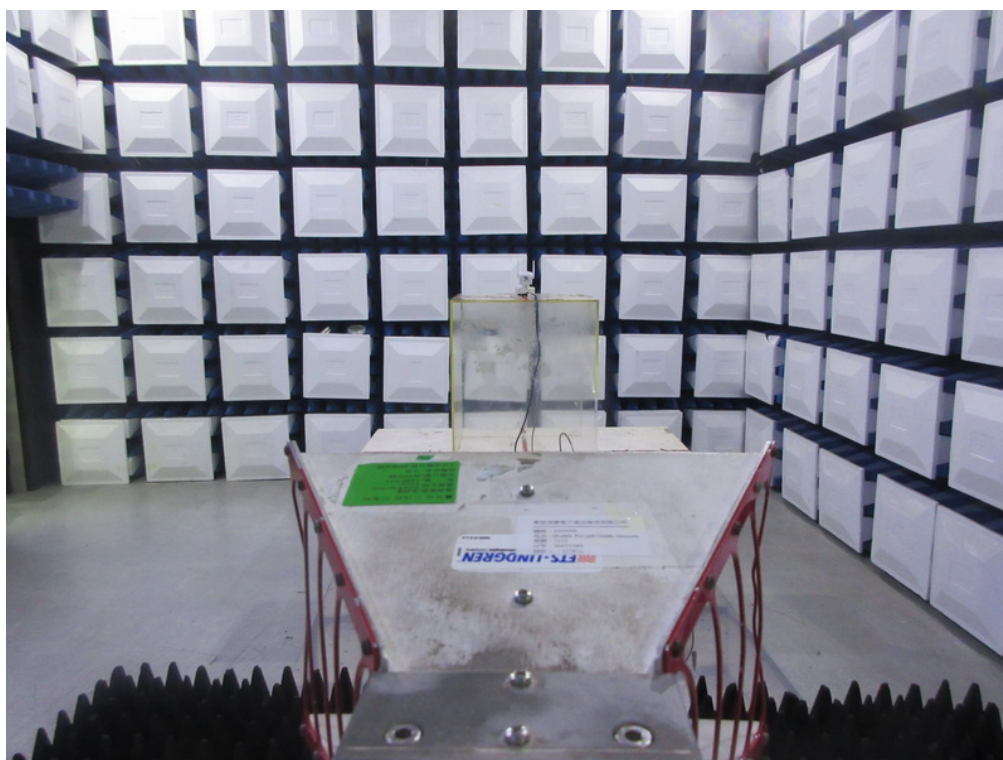
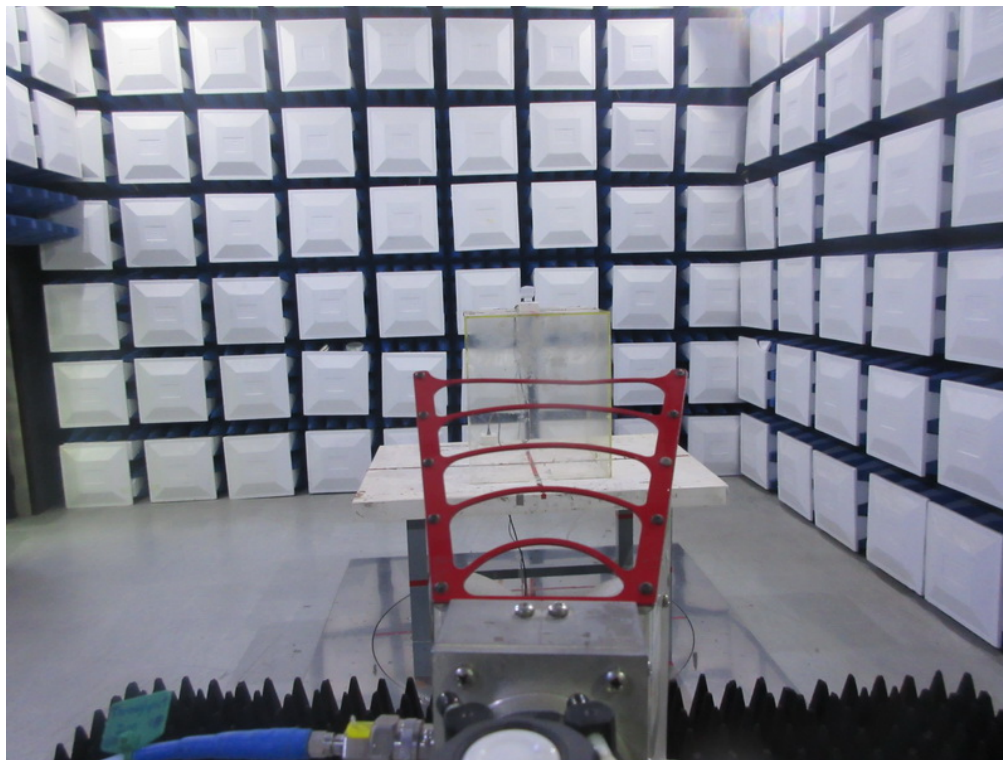
## Radiated Measurement Photos

30MHz to 1000MHz



## Radiated Measurement Photos

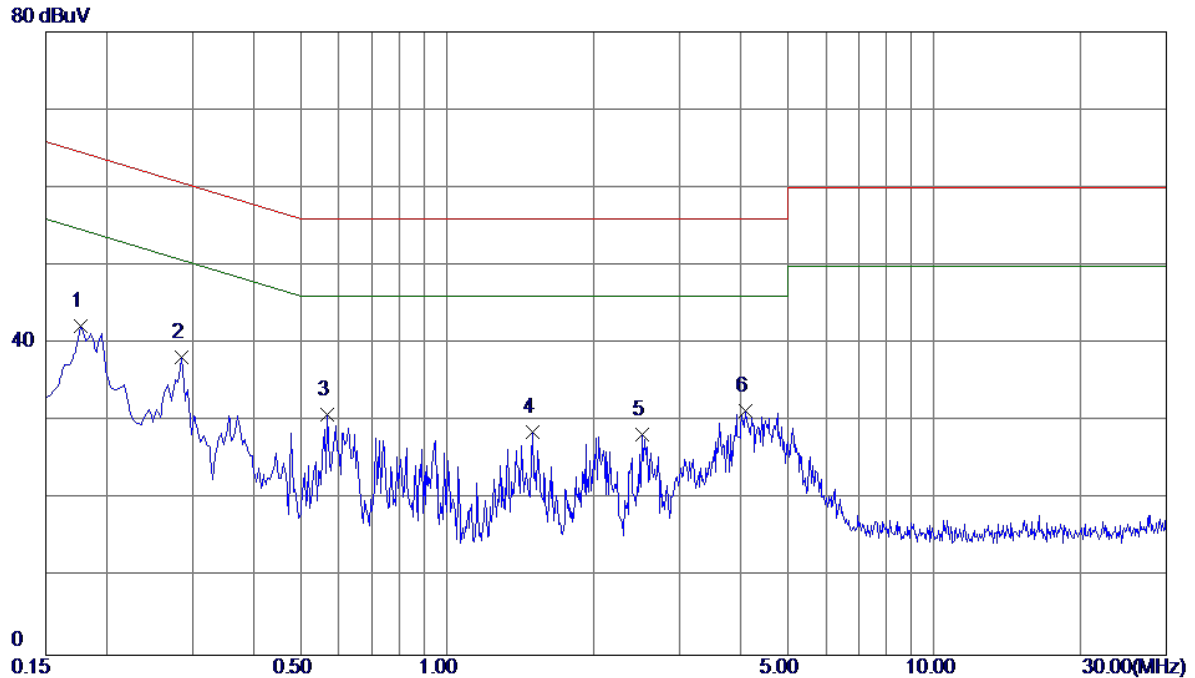
Above 1000MHz



## APPENDIX A - CONDUCTED EMISSION

Test Mode: TX MODE

### Line

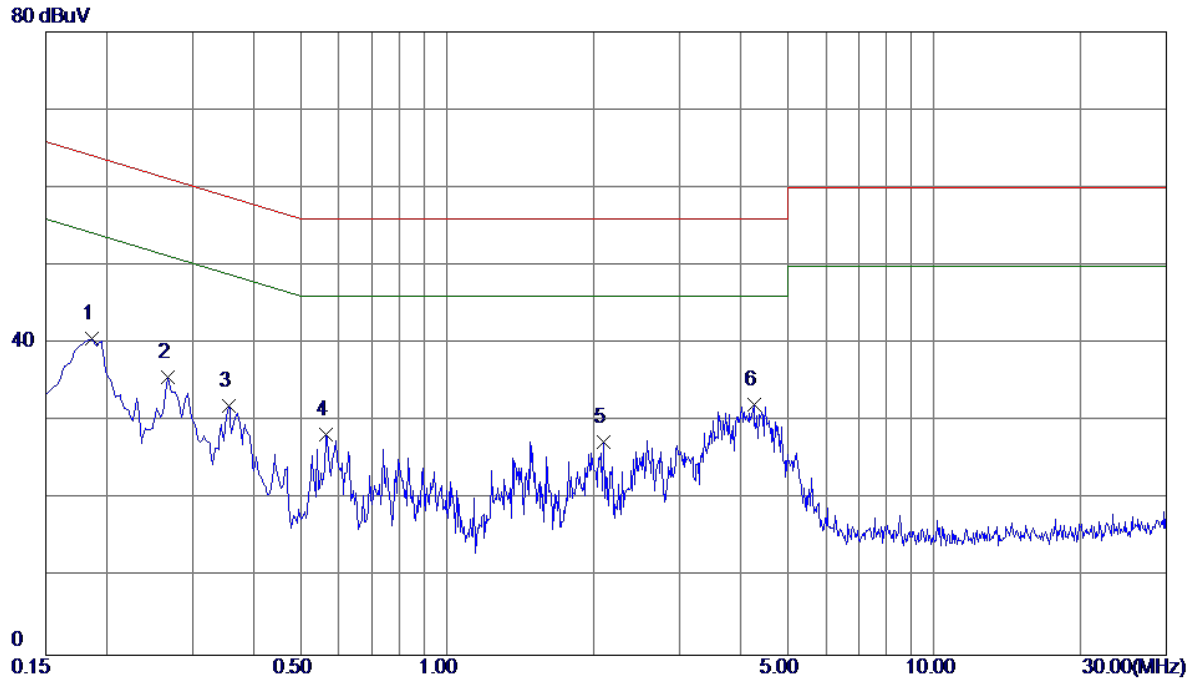


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1770	32.48	9.74	42.22	64.63	-22.41	Peak	
2	0.2850	28.47	9.72	38.19	60.67	-22.48	Peak	
3	0.5684	21.05	9.76	30.81	56.00	-25.19	Peak	
4	1.4954	18.78	9.81	28.59	56.00	-27.41	Peak	
5	2.5215	18.54	9.84	28.38	56.00	-27.62	Peak	
6	4.1100	21.52	9.86	31.38	56.00	-24.62	Peak	

Note : The test result has included the cable loss.

Test Mode: TX MODE

### Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1860	30.93	9.65	40.58	64.21	-23.63	Peak	
2	0.2670	26.05	9.64	35.69	61.21	-25.52	Peak	
3	0.3570	22.35	9.66	32.01	58.80	-26.79	Peak	
4	0.5639	18.65	9.66	28.31	56.00	-27.69	Peak	
5	2.0940	17.66	9.73	27.39	56.00	-28.61	Peak	
6	4.2630	22.29	9.80	32.09	56.00	-23.91	Peak	

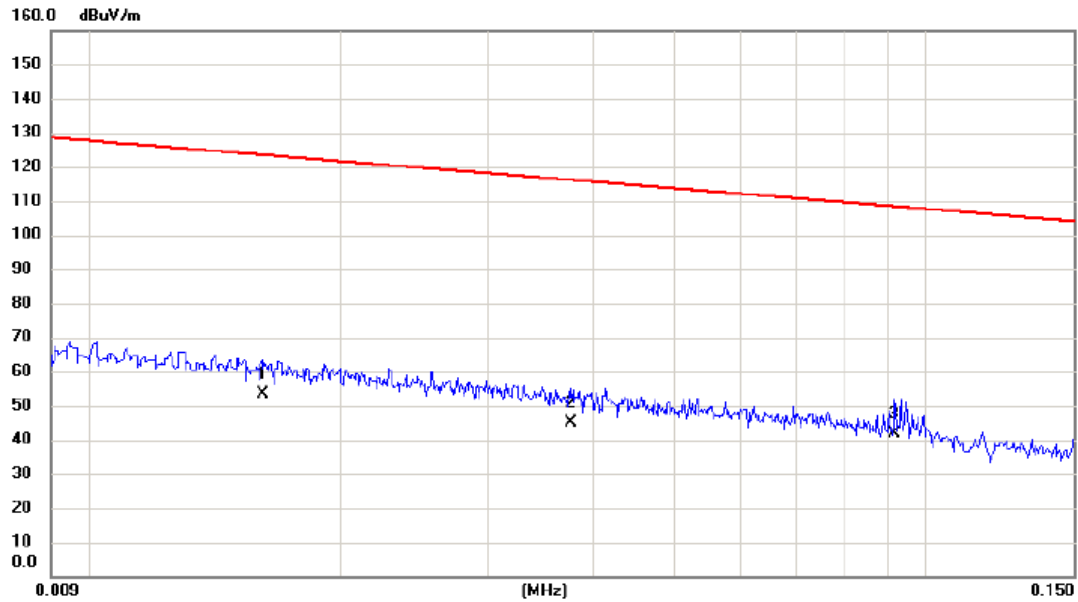
Note : The test result has included the cable loss.

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



Test Mode: TX B MODE CHANNEL 01

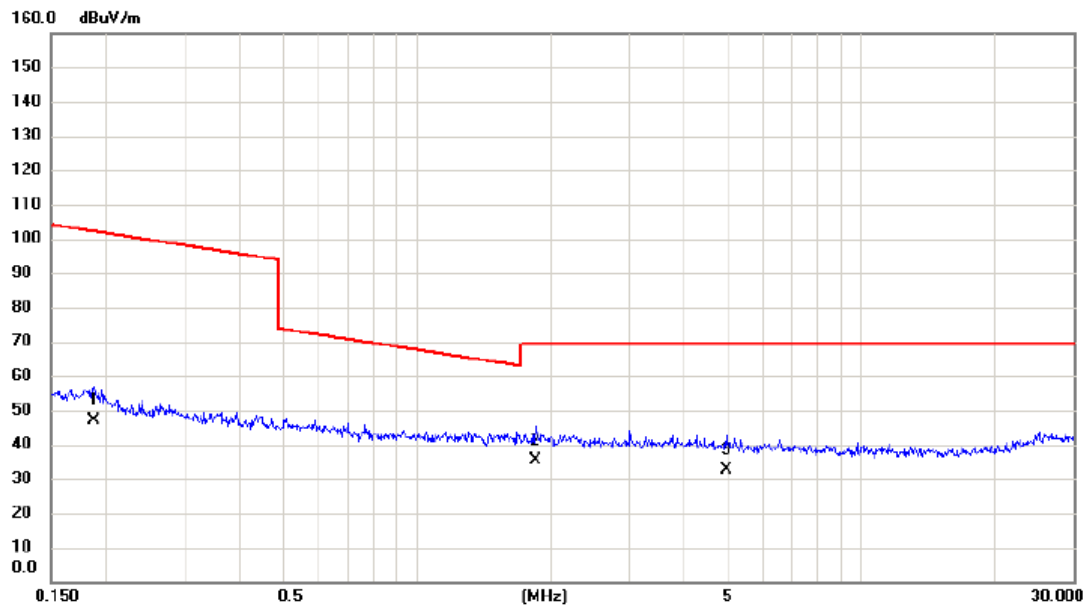
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0161	33.39	20.13	53.52	123.47	-69.95	AVG	
2		0.0377	26.06	19.09	45.15	116.08	-70.93	AVG	
3	*	0.0916	23.87	17.83	41.70	108.37	-66.67	AVG	

Test Mode: TX B MODE CHANNEL 01

Ant 0°

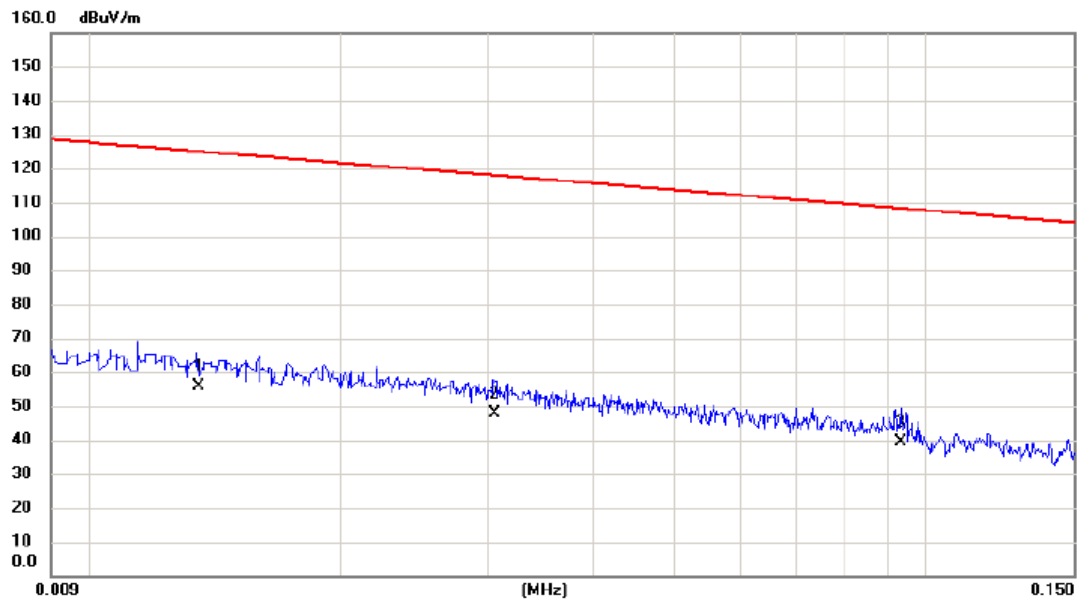


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.1874	30.02	16.84	46.86	102.15	-55.29	AVG	
2	*	1.8483	19.65	15.57	35.22	69.54	-34.32	QP	
3		4.9782	18.17	14.38	32.55	69.54	-36.99	QP	



Test Mode:	TX B MODE CHANNEL 01
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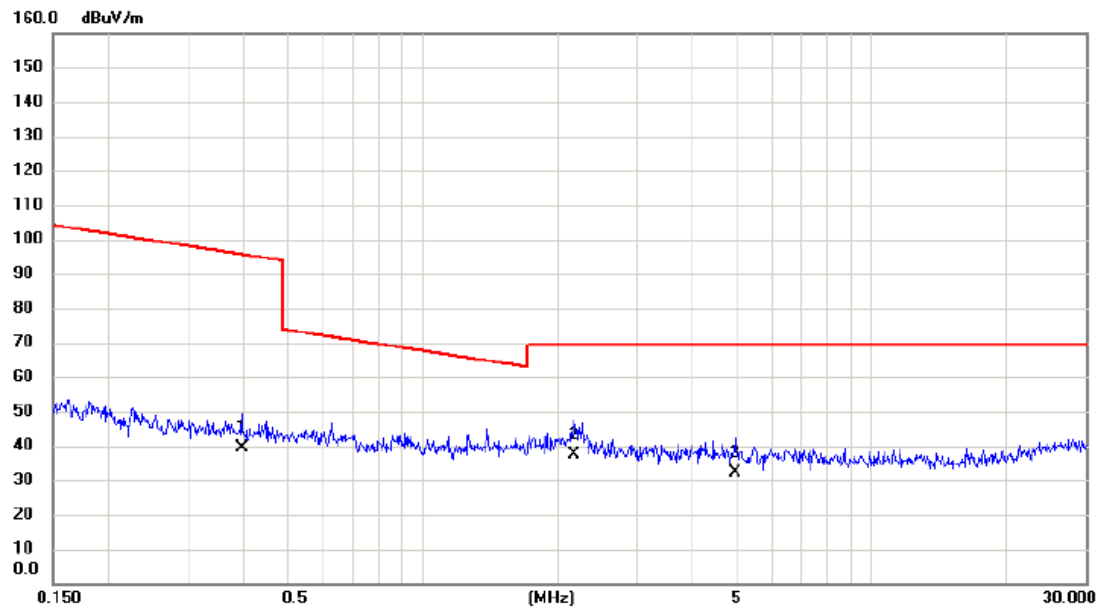
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0135	35.40	20.47	55.87	125.00	-69.13	AVG	
2		0.0305	28.58	19.31	47.89	117.92	-70.03	AVG	
3	*	0.0932	21.54	17.79	39.33	108.22	-68.89	AVG	

Test Mode: TX B MODE CHANNEL 01

Ant 90°

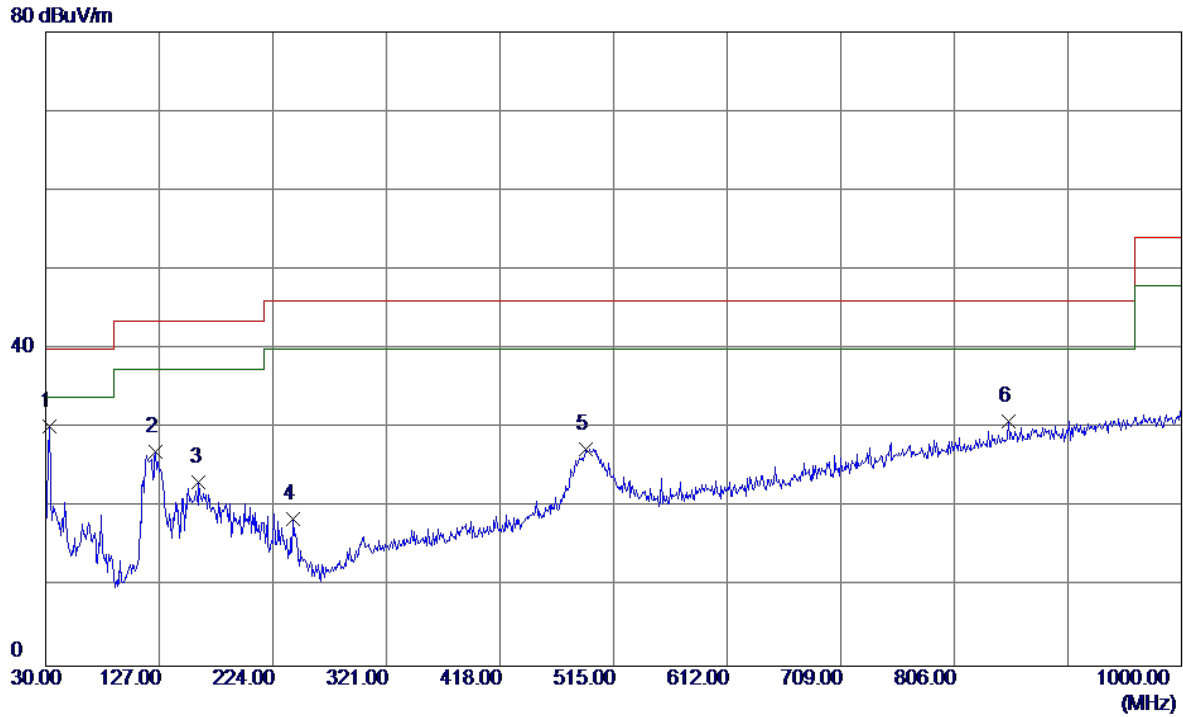


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.3955	22.72	16.54	39.26	95.66	-56.40	AVG	
2	*	2.1783	21.75	15.46	37.21	69.54	-32.33	QP	
3		4.9782	18.00	14.38	32.38	69.54	-37.16	QP	

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

Test Mode: UNII-1/TX A Mode 5180MHz

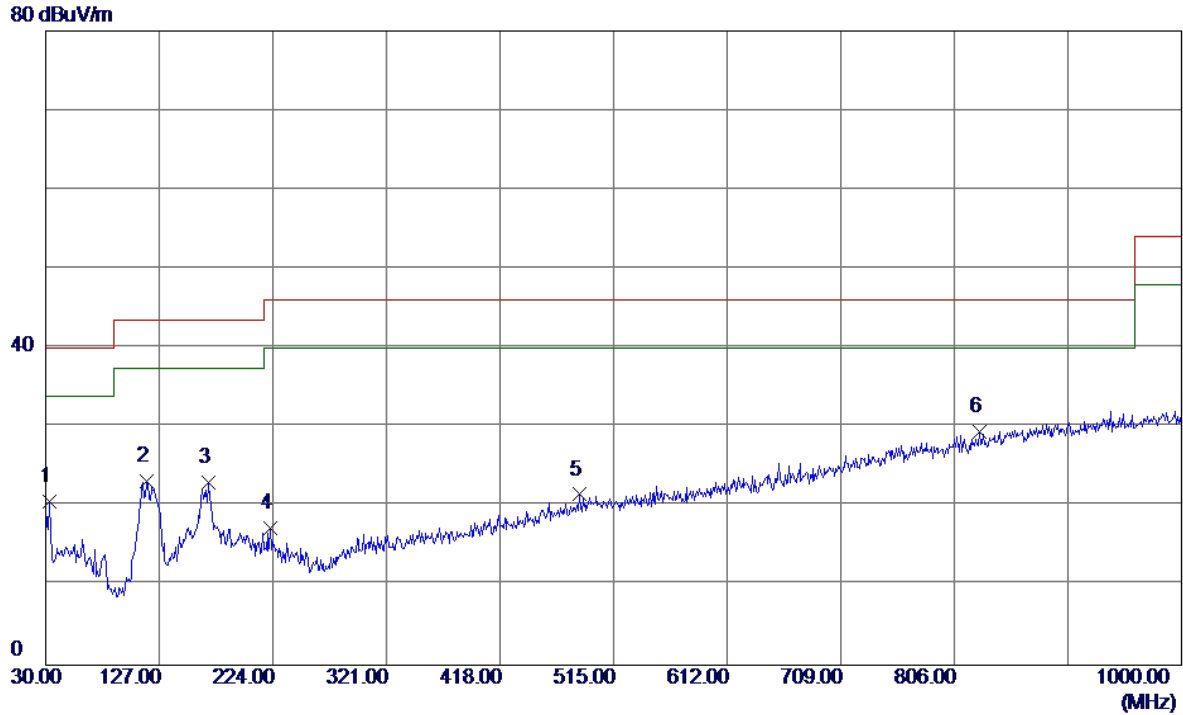
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	32.9100	45.18	-14.89	30.29	40.00	-9.71	Peak	
2	124.0900	42.15	-15.12	27.03	43.50	-16.47	Peak	
3	160.9500	36.08	-12.87	23.21	43.50	-20.29	Peak	
4	241.4600	33.04	-14.44	18.60	46.00	-27.40	Peak	
5	491.7200	36.34	-8.92	27.42	46.00	-18.58	Peak	
6	852.5600	30.86	0.05	30.91	46.00	-15.09	Peak	

Test Mode: UNII-1/TX A Mode 5180MHz

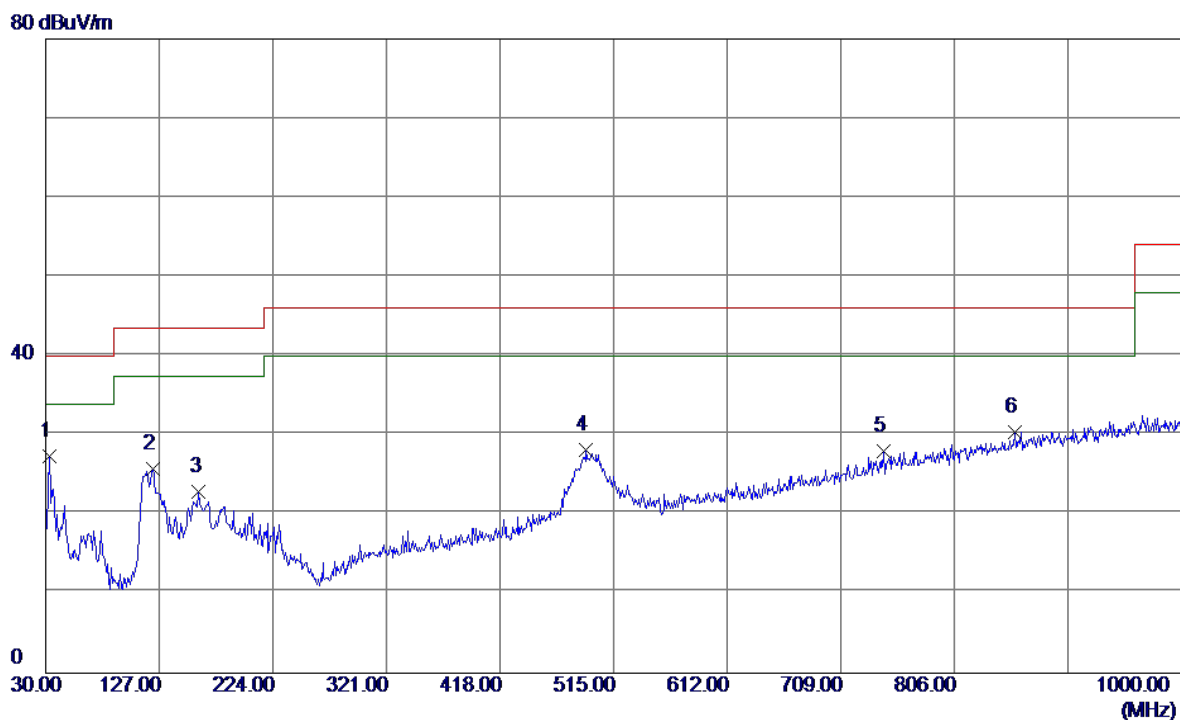
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	32.9100	35.49	-14.89	20.60	40.00	-19.40	Peak	
2	116.3300	38.87	-15.69	23.18	43.50	-20.32	Peak	
3	168.7100	35.39	-12.41	22.98	43.50	-20.52	Peak	
4	222.0600	31.20	-13.95	17.25	46.00	-28.75	Peak	
5	485.9000	30.58	-9.06	21.52	46.00	-24.48	Peak	
6 *	827.3400	30.06	-0.62	29.44	46.00	-16.56	Peak	

Test Mode: UNII-1/TX A Mode 5200MHz

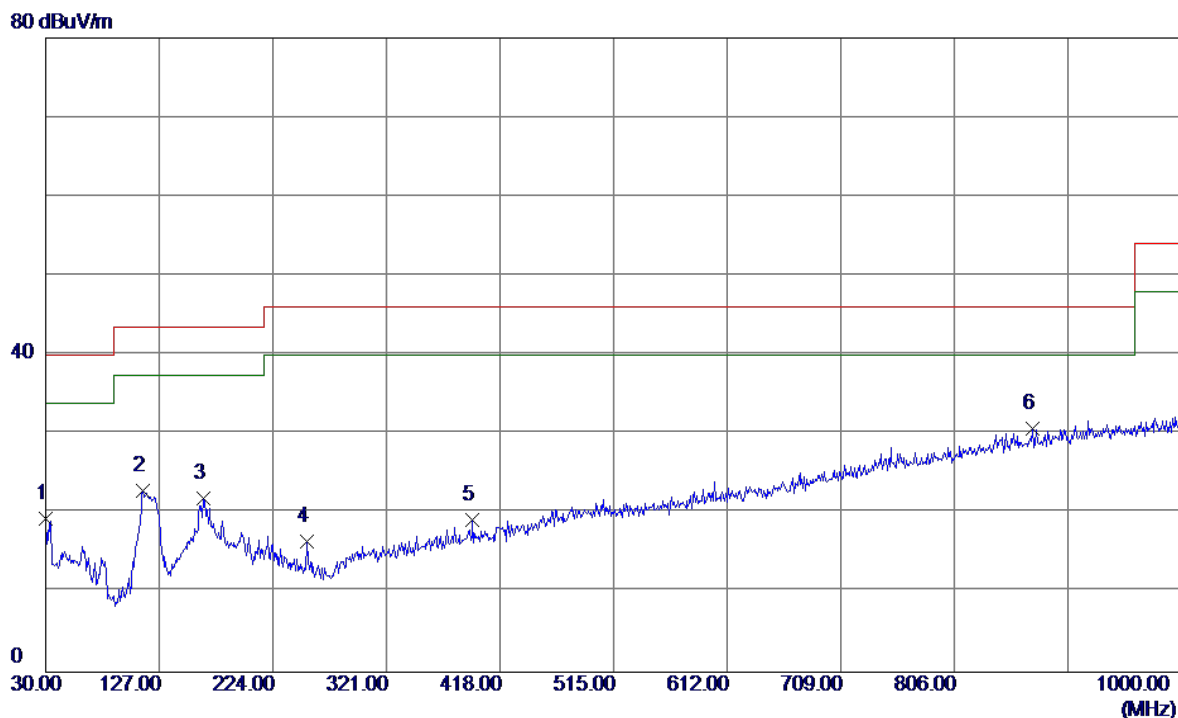
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	32.9100	42.19	-14.89	27.30	40.00	-12.70	Peak	
2	121.1800	41.12	-15.32	25.80	43.50	-17.70	Peak	
3	160.9500	35.78	-12.87	22.91	43.50	-20.59	Peak	
4	491.7200	37.14	-8.92	28.22	46.00	-17.78	Peak	
5	745.8600	30.51	-2.57	27.94	46.00	-18.06	Peak	
6	857.4100	30.27	0.15	30.42	46.00	-15.58	Peak	

Test Mode: UNII-1/TX A Mode 5200MHz

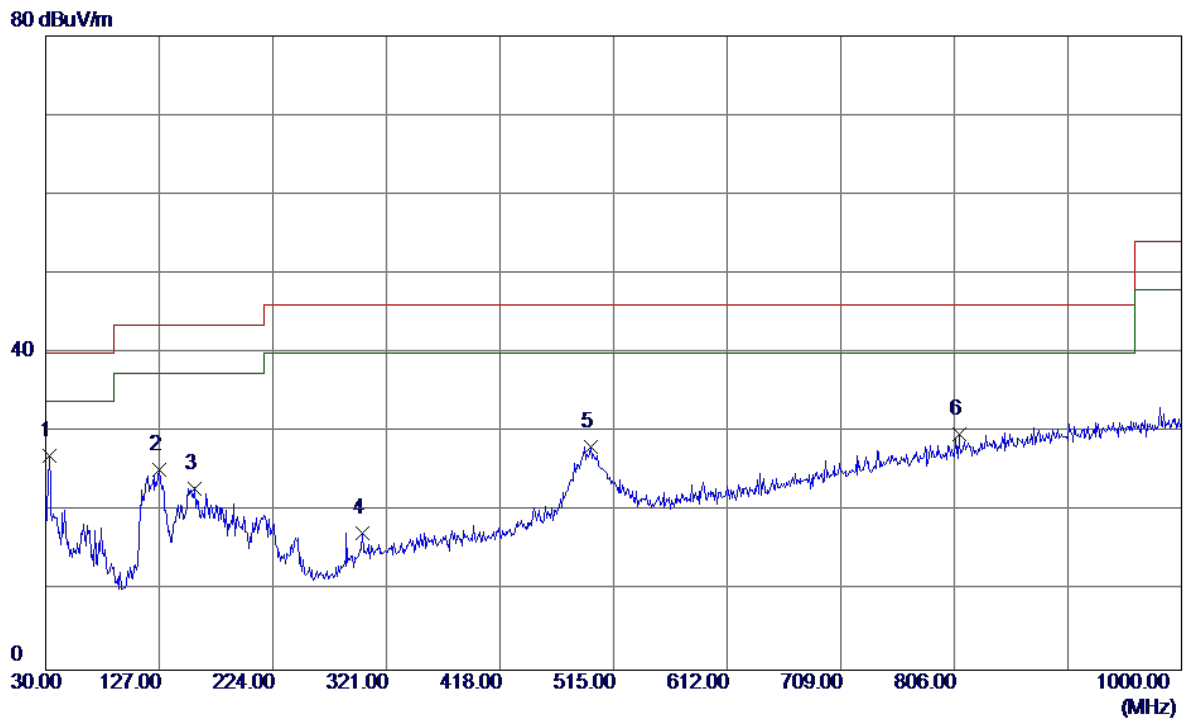
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	30.0000	34.63	-15.25	19.38	40.00	-20.62	Peak	
2	113.4200	38.87	-15.92	22.95	43.50	-20.55	Peak	
3	164.8300	34.57	-12.64	21.93	43.50	-21.57	Peak	
4	253.1000	31.55	-15.14	16.41	46.00	-29.59	Peak	
5	394.7200	30.66	-11.42	19.24	46.00	-26.76	Peak	
6 *	872.9300	30.25	0.47	30.72	46.00	-15.28	Peak	

Test Mode: UNII-1/TX A Mode 5240MHz

Vertical

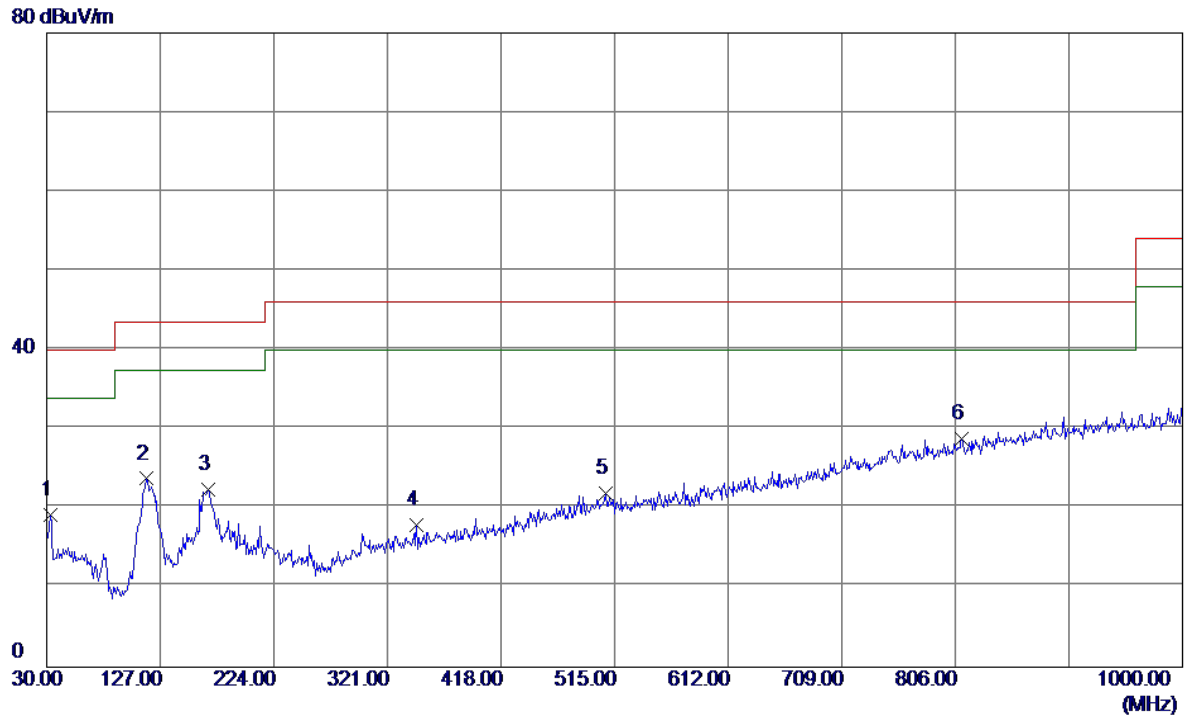


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	32.9100	41.88	-14.89	26.99	40.00	-13.01	Peak	
2	127.0000	40.20	-14.91	25.29	43.50	-18.21	Peak	
3	157.0700	36.06	-13.10	22.96	43.50	-20.54	Peak	
4	300.6300	30.13	-12.82	17.31	46.00	-28.69	Peak	
5	495.6000	37.06	-8.83	28.23	46.00	-17.77	Peak	
6	809.8800	30.89	-1.09	29.80	46.00	-16.20	Peak	



Test Mode: UNII-1/TX A Mode 5240MHz

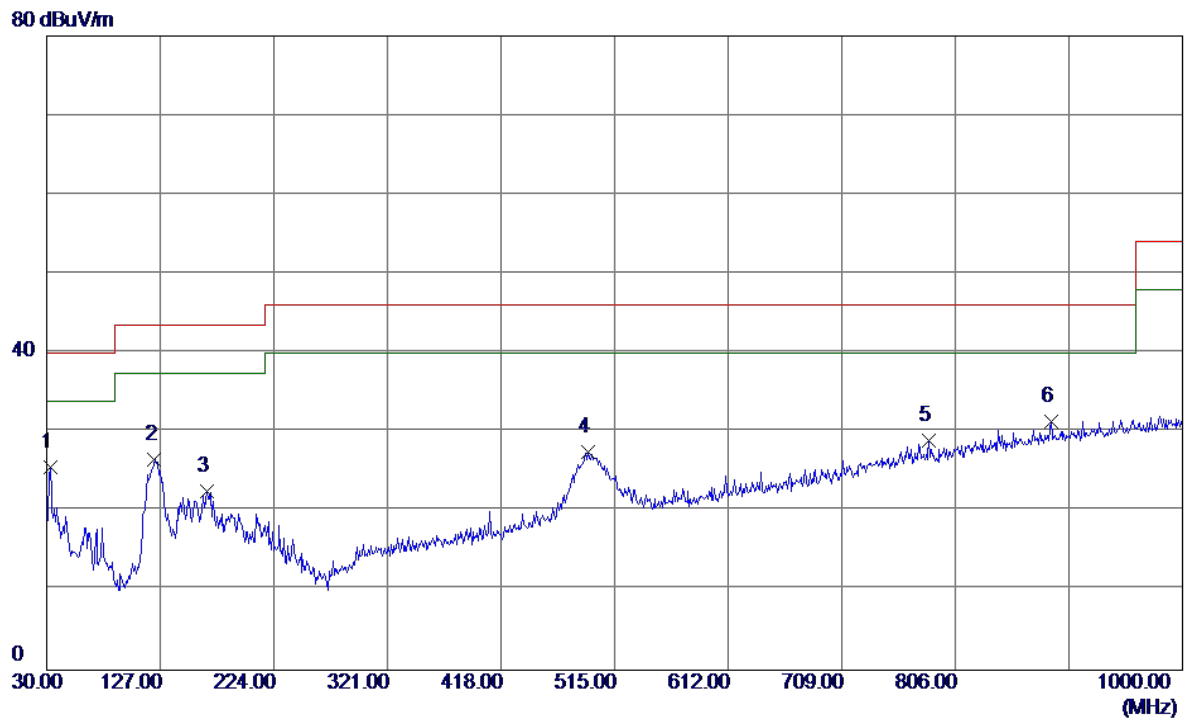
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	32.9100	34.15	-14.89	19.26	40.00	-20.74	Peak	
2	115.3600	39.53	-15.77	23.76	43.50	-19.74	Peak	
3	167.7400	34.86	-12.47	22.39	43.50	-21.11	Peak	
4	346.2200	30.01	-12.02	17.99	46.00	-28.01	Peak	
5	507.2400	30.42	-8.57	21.85	46.00	-24.15	Peak	
6 *	811.8200	29.83	-1.04	28.79	46.00	-17.21	Peak	

Test Mode: UNII-3/TX A Mode 5745MHz

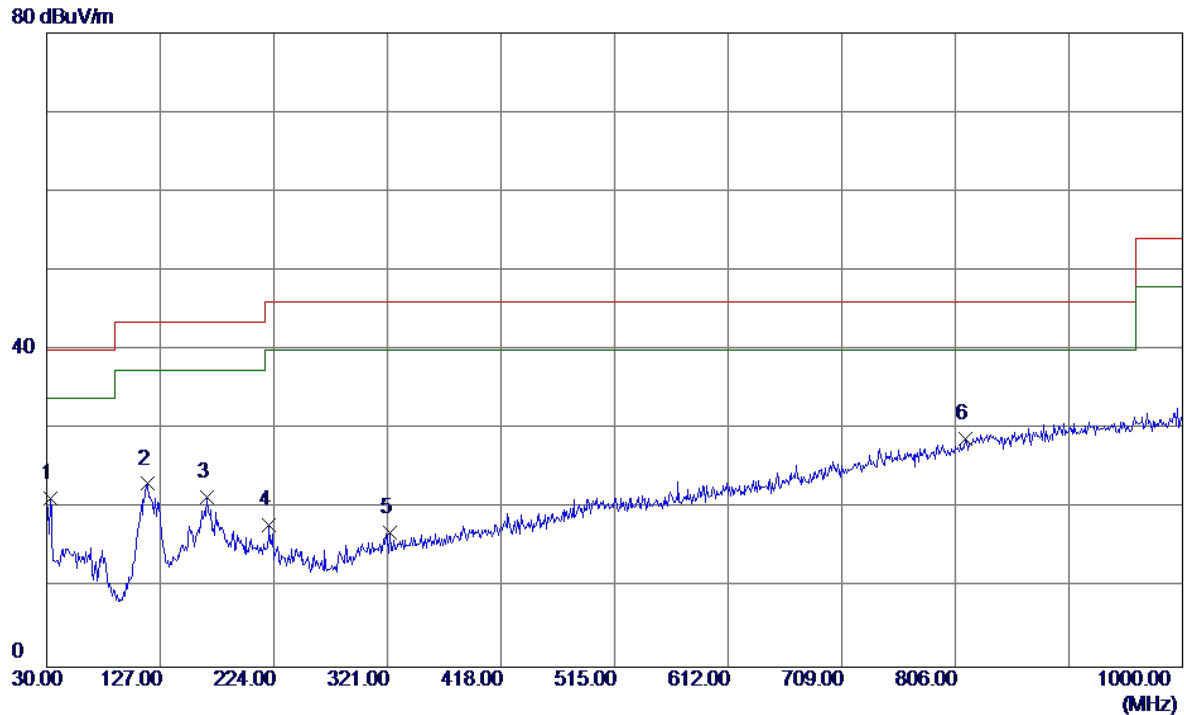
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	32.9100	40.44	-14.89	25.55	40.00	-14.45	Peak	
2	122.1500	41.86	-15.25	26.61	43.50	-16.89	Peak	
3	166.7700	35.13	-12.53	22.60	43.50	-20.90	Peak	
4	492.6900	36.38	-8.90	27.48	46.00	-18.52	Peak	
5	783.6900	30.72	-1.71	29.01	46.00	-16.99	Peak	
6	887.4800	30.59	0.77	31.36	46.00	-14.64	Peak	

Test Mode: UNII-3/TX A Mode 5745MHz

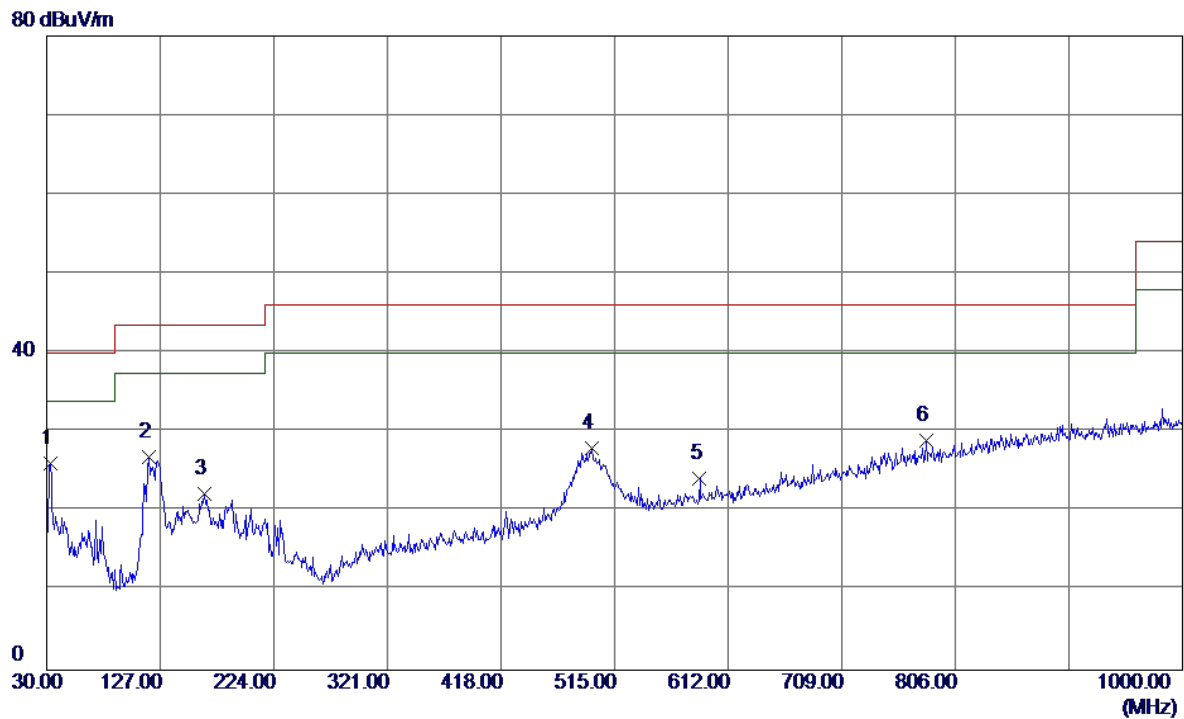
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	32.9100	36.19	-14.89	21.30	40.00	-18.70	Peak	
2	116.3300	38.81	-15.69	23.12	43.50	-20.38	Peak	
3	166.7700	33.95	-12.53	21.42	43.50	-22.08	Peak	
4	220.1200	31.82	-13.91	17.91	46.00	-28.09	Peak	
5	322.9400	29.40	-12.43	16.97	46.00	-29.03	Peak	
6 *	814.7300	29.82	-0.96	28.86	46.00	-17.14	Peak	

Test Mode: UNII-3/TX A Mode 5785MHz

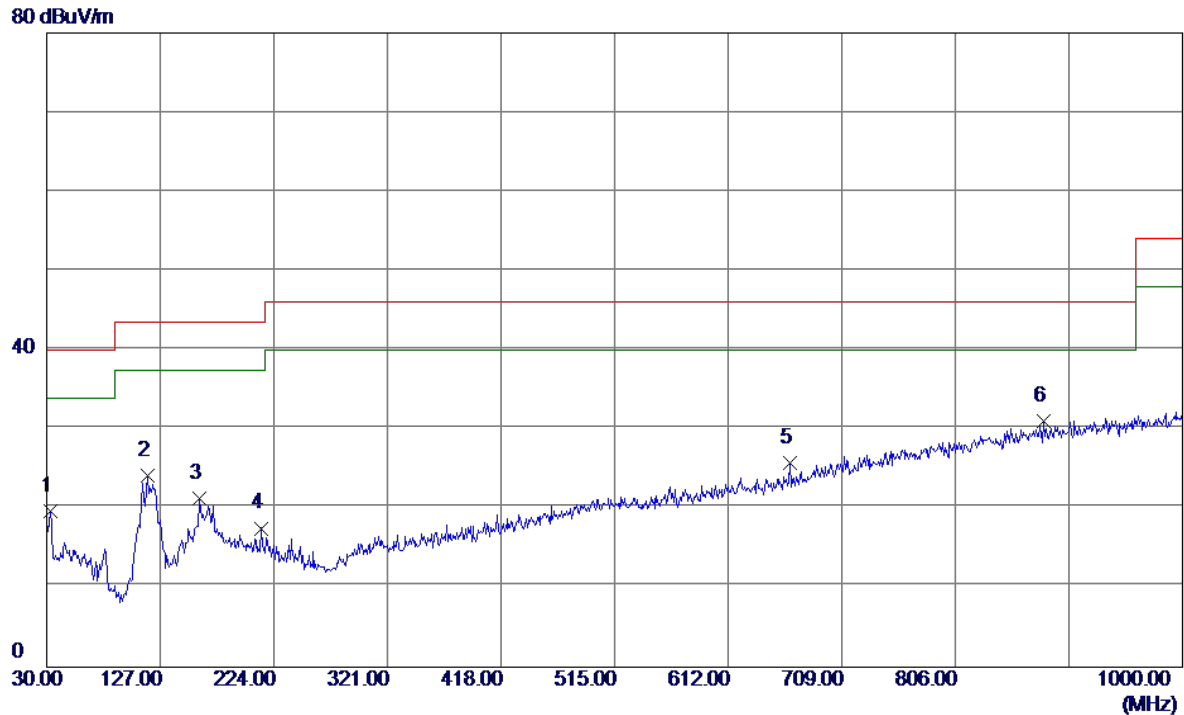
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	32.9100	40.94	-14.89	26.05	40.00	-13.95	Peak	
2	117.3000	42.54	-15.61	26.93	43.50	-16.57	Peak	
3	164.8300	34.88	-12.64	22.24	43.50	-21.26	Peak	
4	495.6000	36.87	-8.83	28.04	46.00	-17.96	Peak	
5	587.7500	30.90	-6.74	24.16	46.00	-21.84	Peak	
6	780.7800	30.71	-1.78	28.93	46.00	-17.07	Peak	

Test Mode: UNII-3/TX A Mode 5785MHz

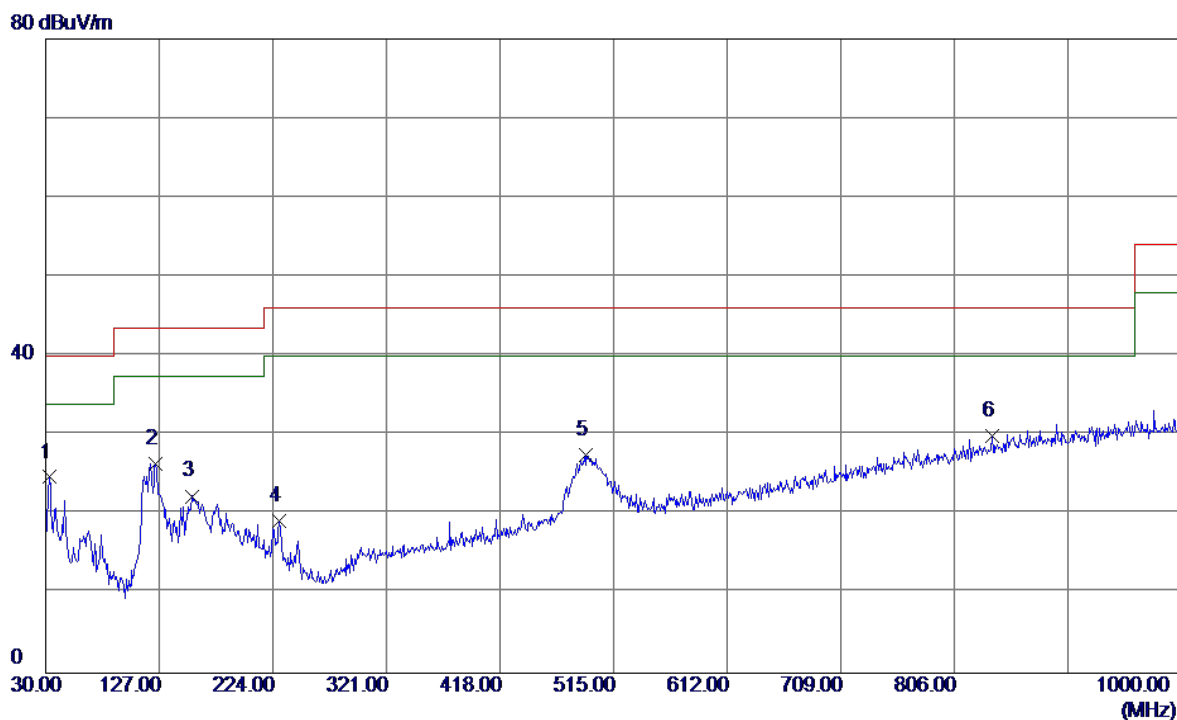
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	32.9100	34.50	-14.89	19.61	40.00	-20.39	Peak	
2	116.3300	39.80	-15.69	24.11	43.50	-19.39	Peak	
3	159.9800	34.20	-12.93	21.27	43.50	-22.23	Peak	
4	213.3300	31.47	-13.95	17.52	43.50	-25.98	Peak	
5	664.3800	30.85	-5.03	25.82	46.00	-20.18	Peak	
6 *	881.6600	30.42	0.65	31.07	46.00	-14.93	Peak	

Test Mode: UNII-3/TX A Mode 5825MHz

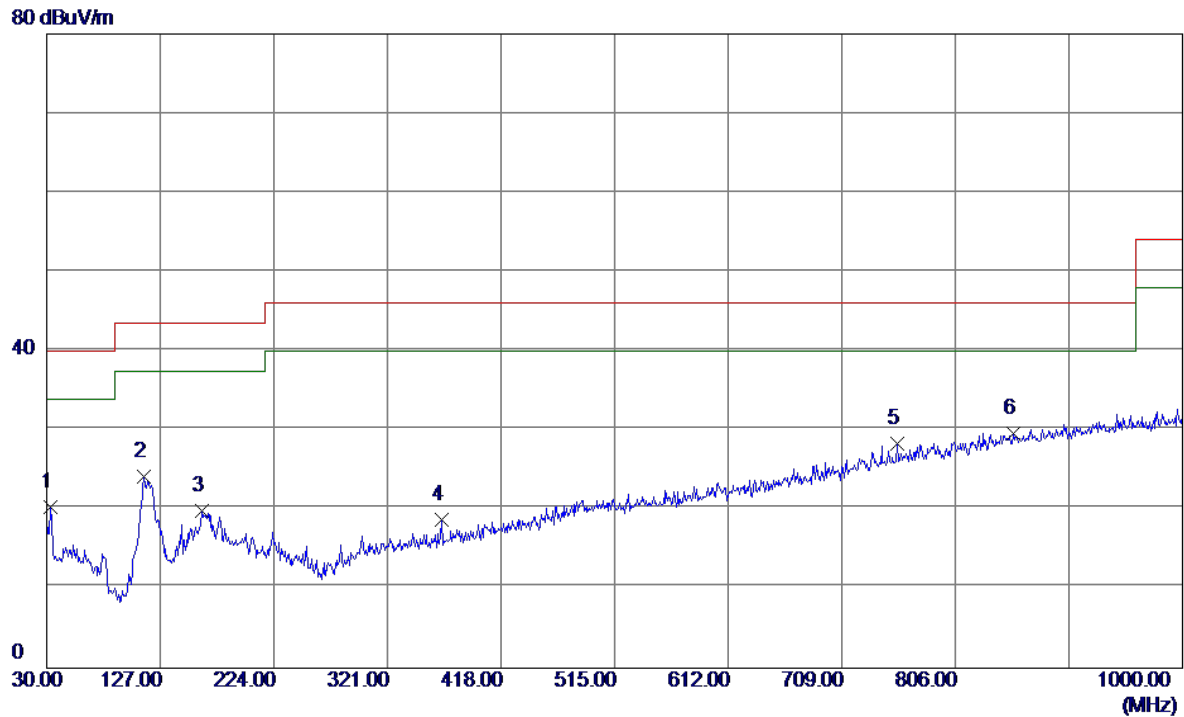
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	32.9100	39.61	-14.89	24.72	40.00	-15.28	Peak	
2	124.0900	41.56	-15.12	26.44	43.50	-17.06	Peak	
3	155.1300	35.54	-13.22	22.32	43.50	-21.18	Peak	
4	229.8200	33.34	-14.13	19.21	46.00	-26.79	Peak	
5	491.7200	36.49	-8.92	27.57	46.00	-18.43	Peak	
6	838.0100	30.27	-0.33	29.94	46.00	-16.06	Peak	

Test Mode: UNII-3/TX A Mode 5825MHz

### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	32.9100	35.26	-14.89	20.37	40.00	-19.63	Peak	
2	113.4200	40.09	-15.92	24.17	43.50	-19.33	Peak	
3	162.8900	32.65	-12.76	19.89	43.50	-23.61	Peak	
4	367.5600	30.47	-11.75	18.72	46.00	-27.28	Peak	
5	756.5300	30.57	-2.30	28.27	46.00	-17.73	Peak	
6 *	855.4700	29.51	0.11	29.62	46.00	-16.38	Peak	

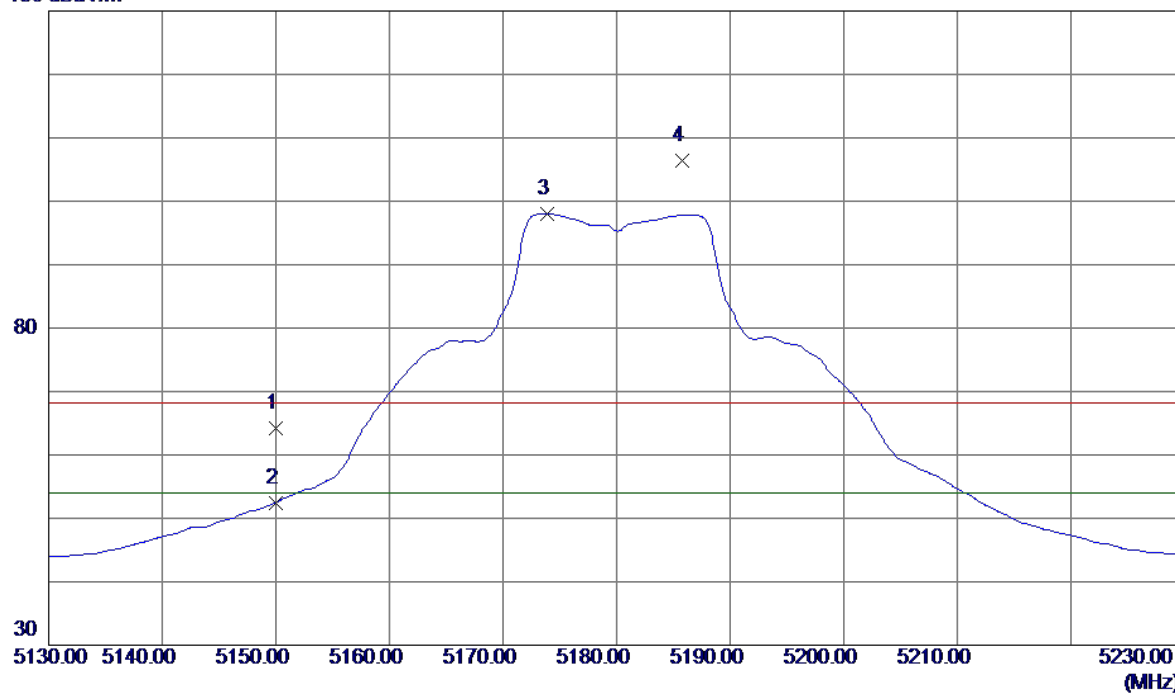
## APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)



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

### Vertical

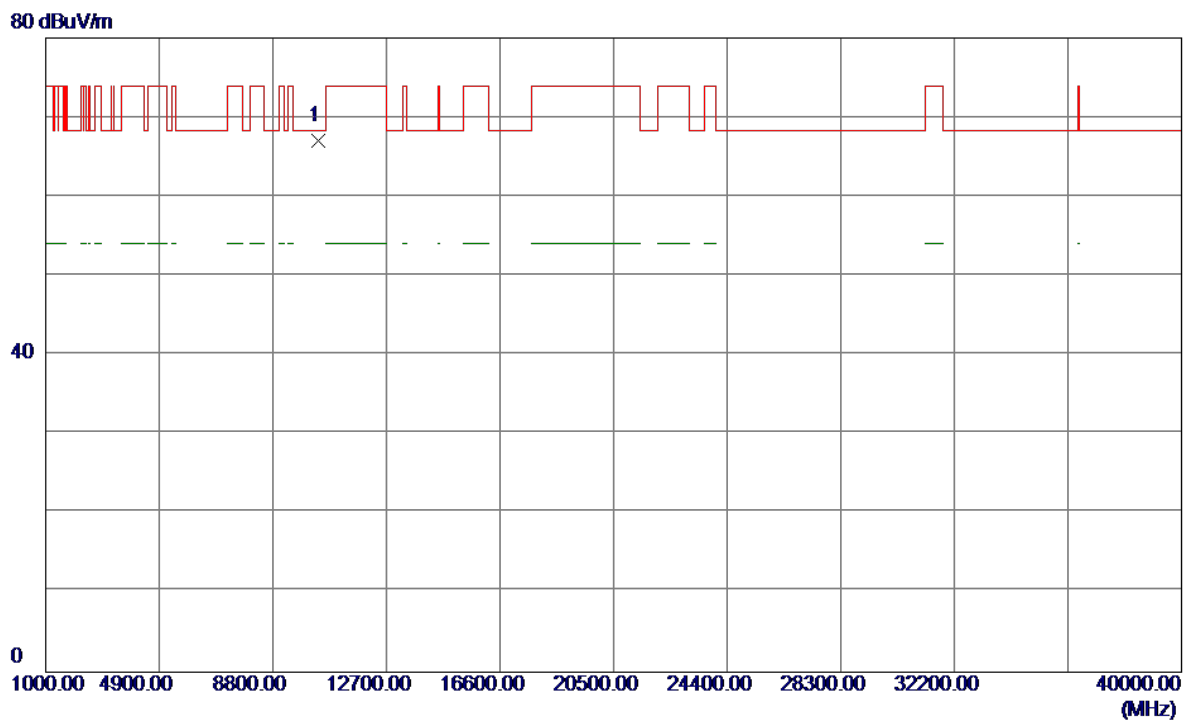
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.08	41.10	64.18	68.30	-4.12	Peak	
2	5150.0000	11.39	41.10	52.49	54.00	-1.51	AVG	
3 *	5173.9000	56.78	41.22	98.00	54.00	44.00	AVG	No Limit
4	5185.8000	65.17	41.28	106.45	68.30	38.15	Peak	No Limit

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

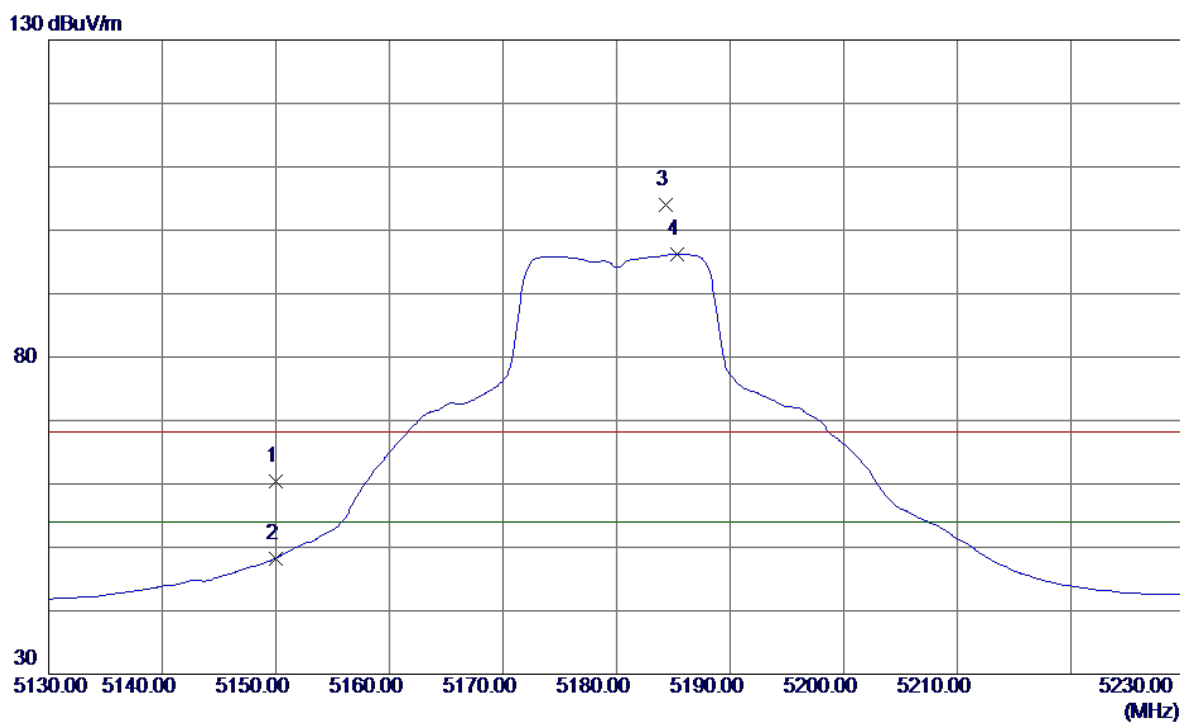
### Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10361.0599	50.66	16.33	66.99	68.30	-1.31	Peak	

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

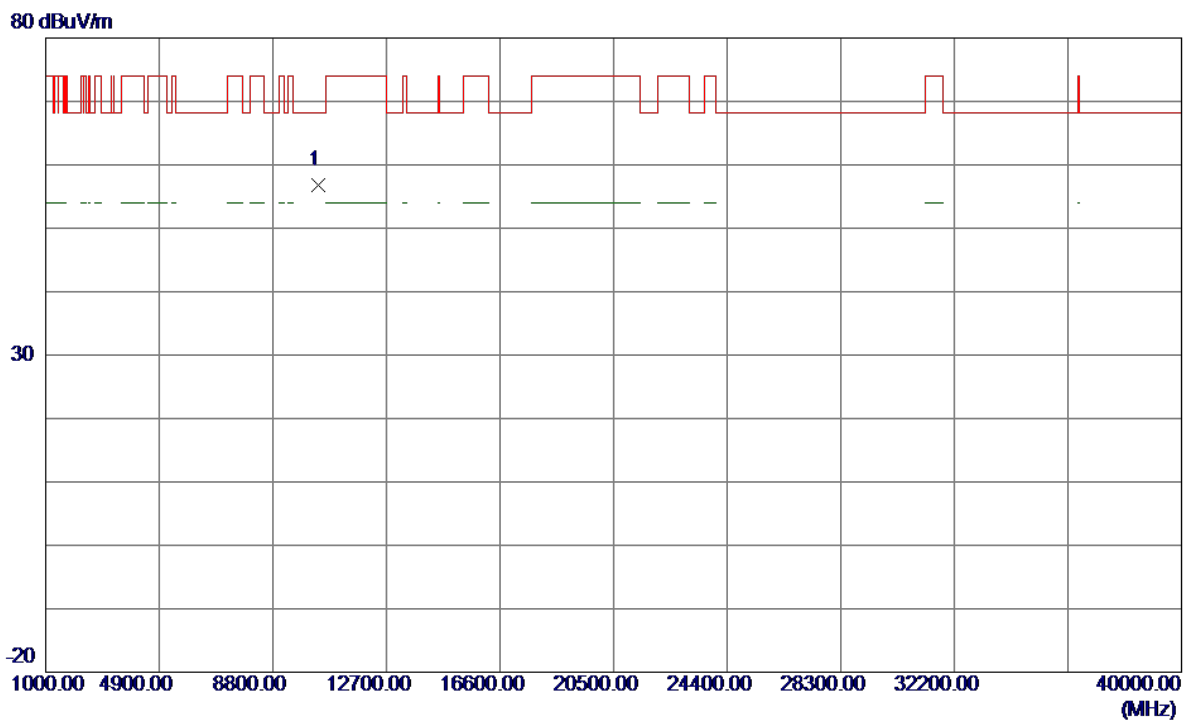
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	19.38	41.10	60.48	68.30	-7.82	Peak	
2	5150.0000	7.17	41.10	48.27	54.00	-5.73	AVG	
3	5184.3000	62.78	41.28	104.06	68.30	35.76	Peak	No Limit
4 *	5185.3000	54.93	41.28	96.21	54.00	42.21	AVG	No Limit

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

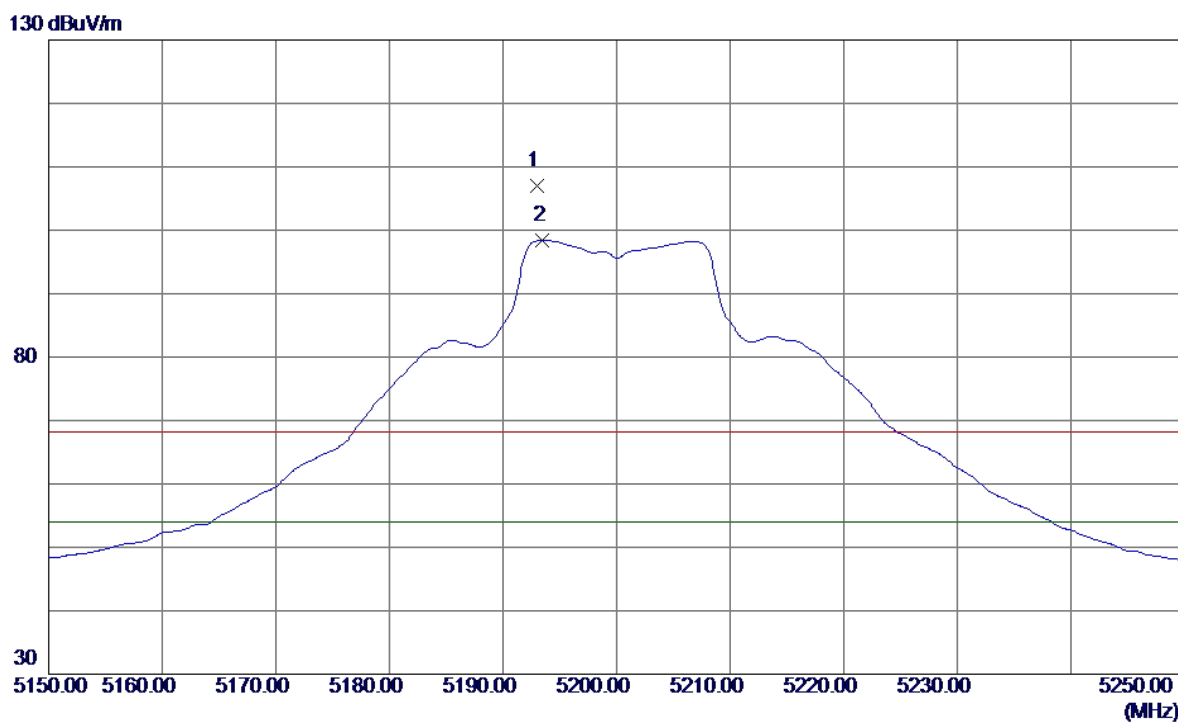
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.1000	40.51	16.33	56.84	68.30	-11.46	Peak	

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

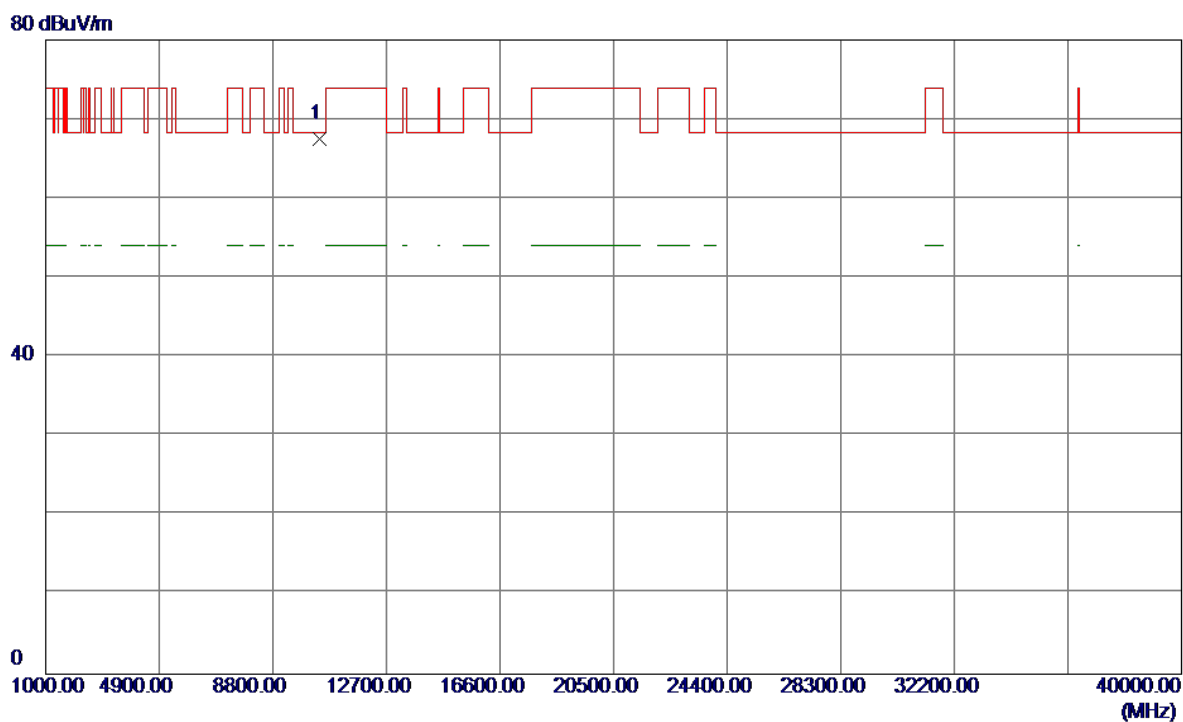
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5193.0000	65.60	41.32	106.92	68.30	38.62	Peak	No Limit
2 *	5193.5000	57.05	41.32	98.37	54.00	44.37	AVG	No Limit

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

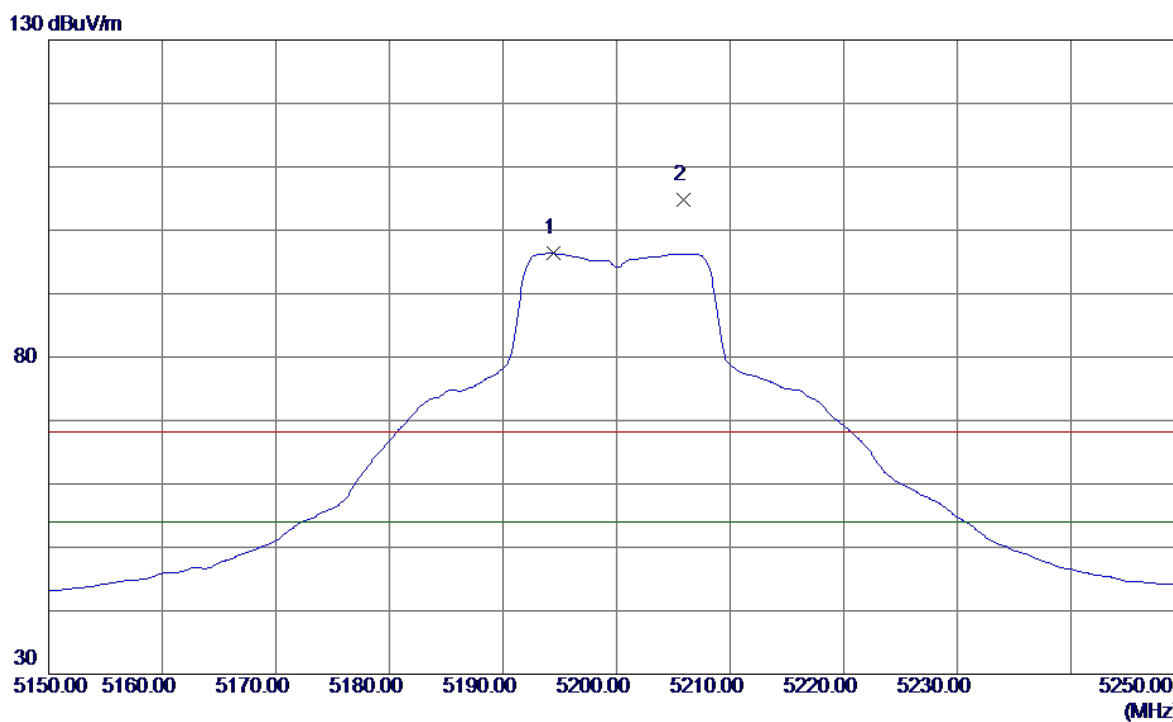
### Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10400.0400	51.02	16.44	67.46	68.30	-0.84	Peak	

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

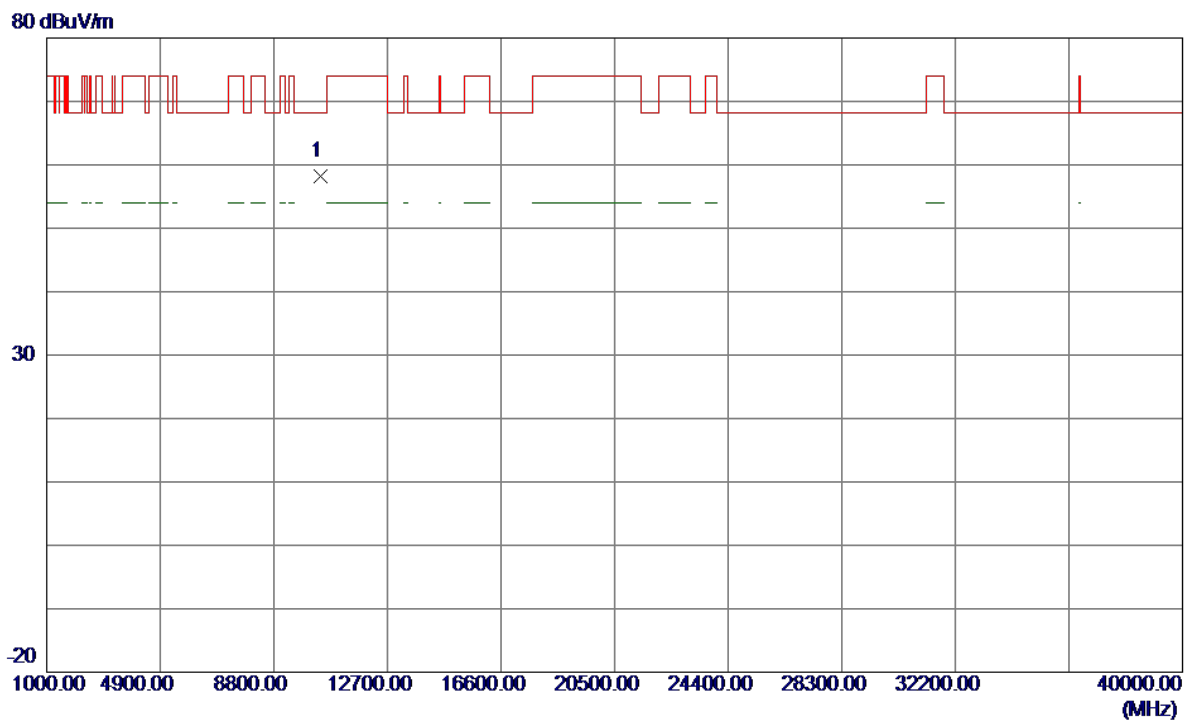
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5194.4000	54.99	41.33	96.32	54.00	42.32	AVG	No Limit
2	5205.9000	63.35	41.39	104.74	68.30	36.44	Peak	No Limit

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

### Horizontal



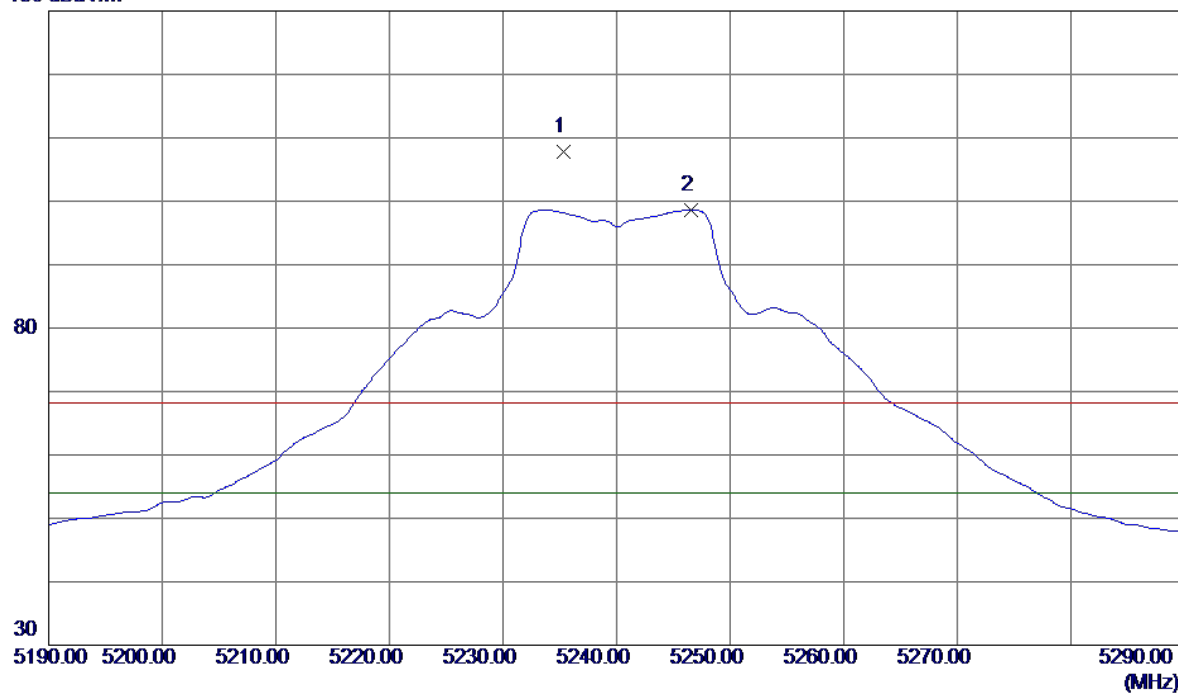
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.0500	41.78	16.44	58.22	68.30	-10.08	Peak	



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

### Vertical

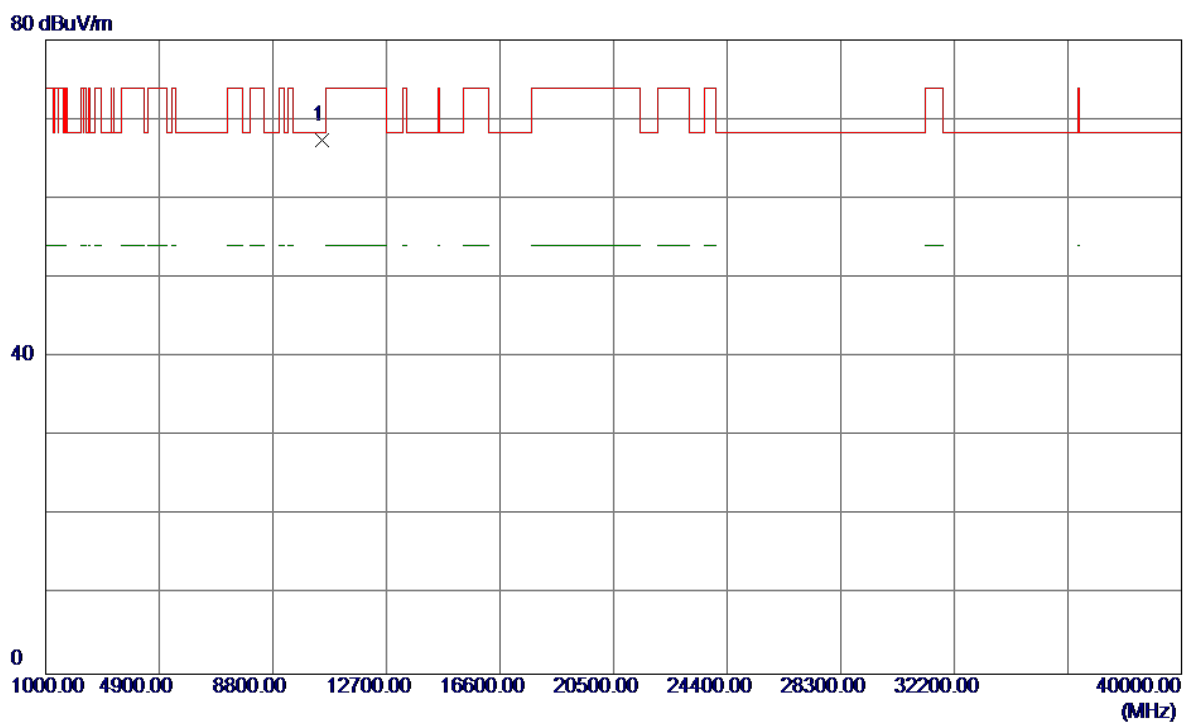
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5235.3000	66.27	41.54	107.81	68.30	39.51	Peak	No Limit
2 *	5246.6000	57.02	41.59	98.61	54.00	44.61	AVG	No Limit

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

### Vertical

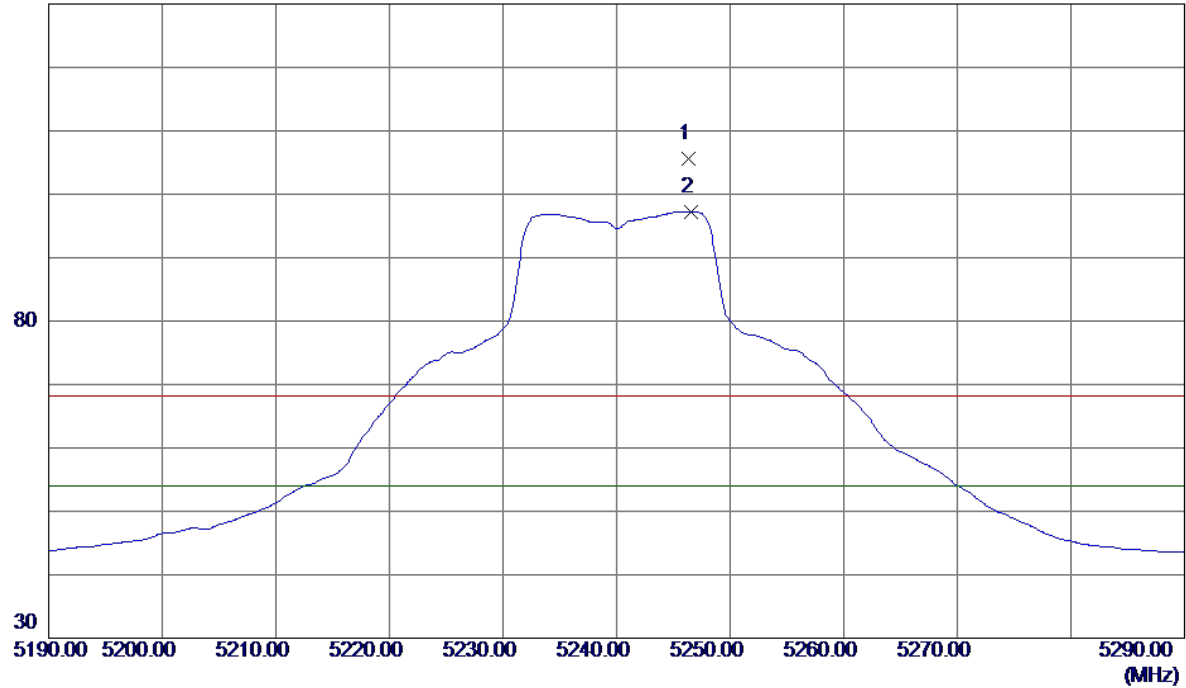


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10487.4200	50.62	16.67	67.29	68.30	-1.01	Peak	

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

### Horizontal

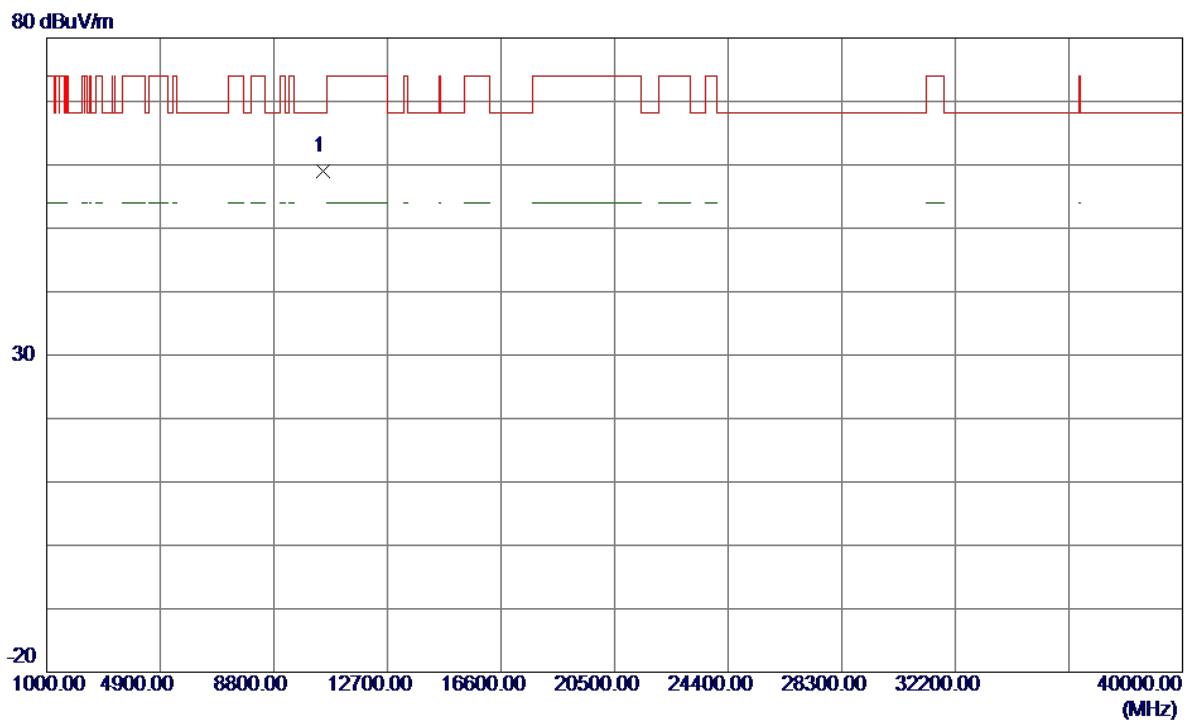
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5246.3000	64.08	41.59	105.67	68.30	37.37	Peak	No Limit
2 *	5246.6000	55.70	41.59	97.29	54.00	43.29	AVG	No Limit

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

### Horizontal

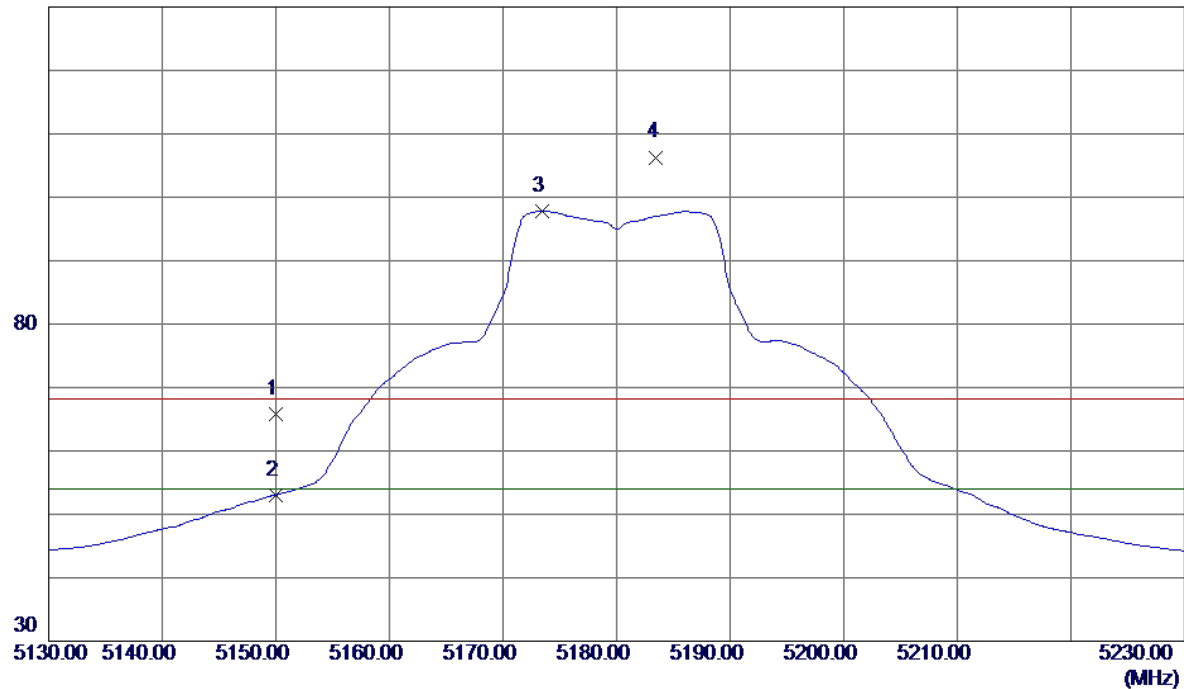


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10480.1500	42.33	16.65	58.98	68.30	-9.32	Peak	

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

### Vertical

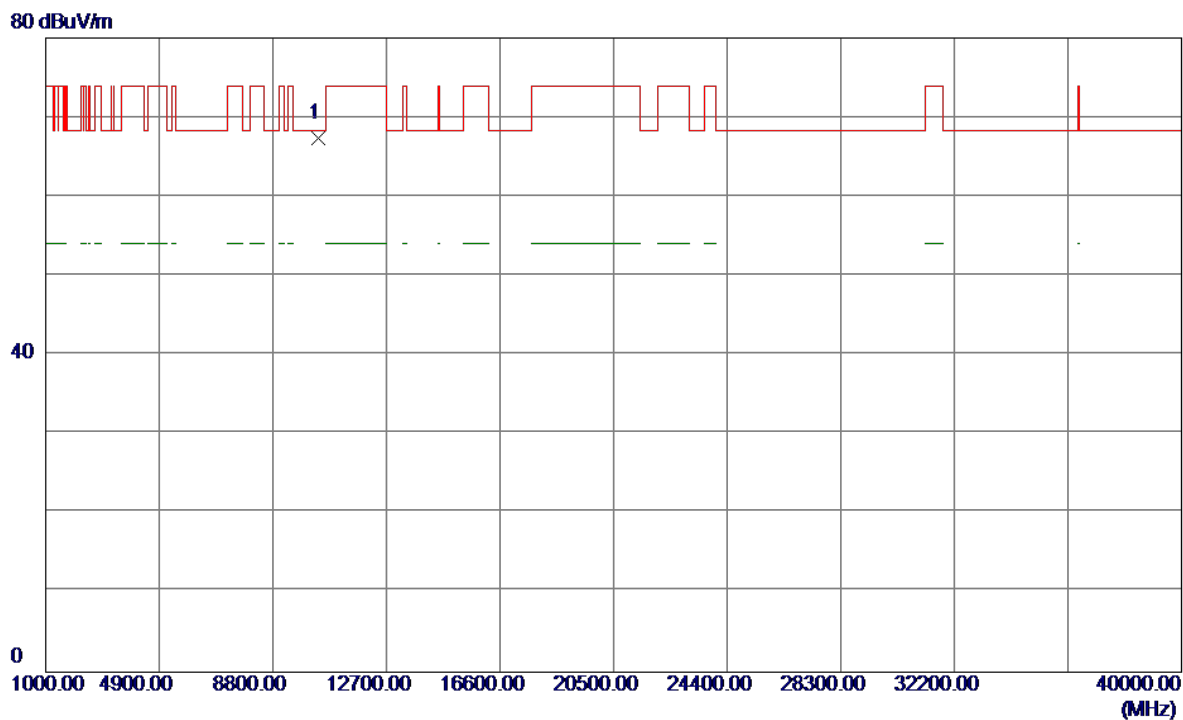
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	24.68	41.10	65.78	68.30	-2.52	Peak	
2	5150.0000	11.93	41.10	53.03	54.00	-0.97	AVG	
3 *	5173.4000	56.58	41.22	97.80	54.00	43.80	AVG	No Limit
4	5183.5000	65.03	41.27	106.30	68.30	38.00	Peak	No Limit

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

### Vertical

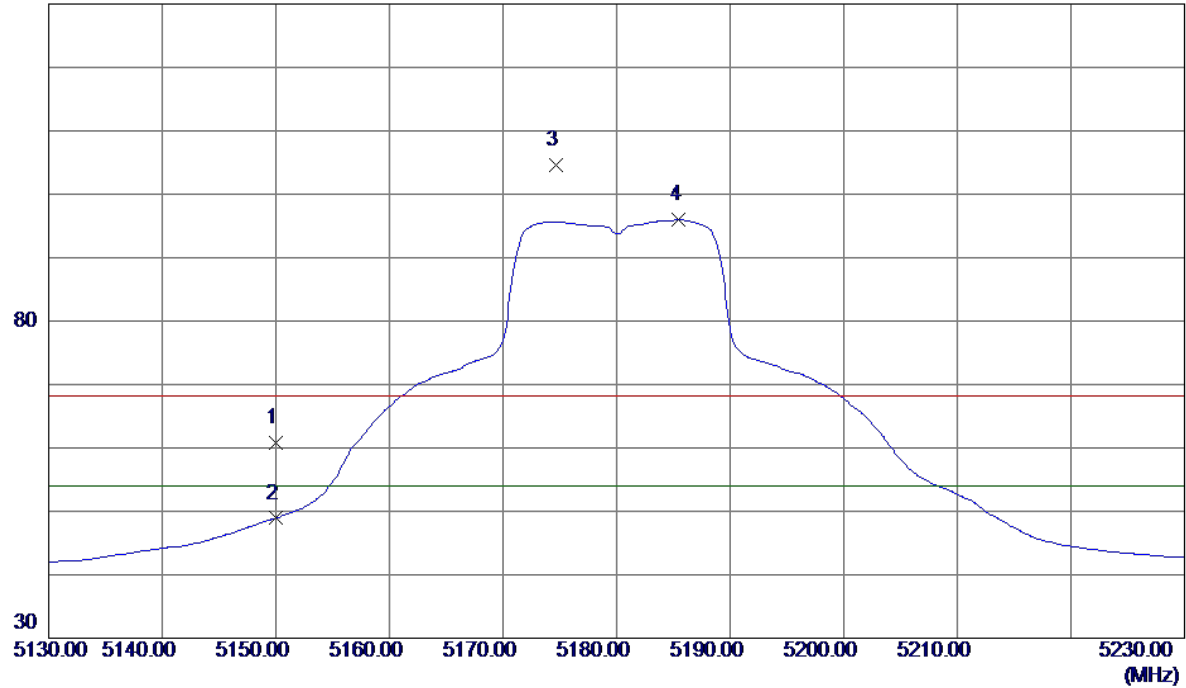


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10357.9600	51.09	16.33	67.42	68.30	-0.88	Peak	

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

### Horizontal

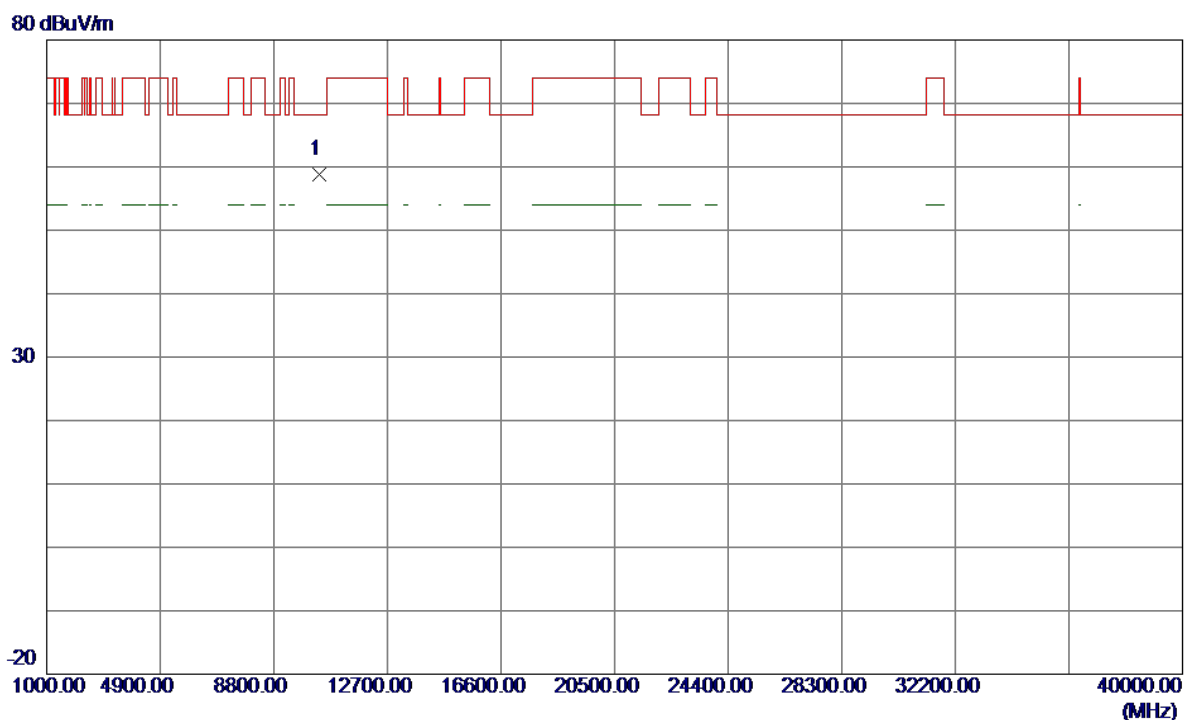
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	19.73	41.10	60.83	68.30	-7.47	Peak	
2	5150.0000	7.80	41.10	48.90	54.00	-5.10	AVG	
3	5174.7000	63.44	41.23	104.67	68.30	36.37	Peak	No Limit
4 *	5185.5000	54.67	41.28	95.95	54.00	41.95	AVG	No Limit

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

### Horizontal



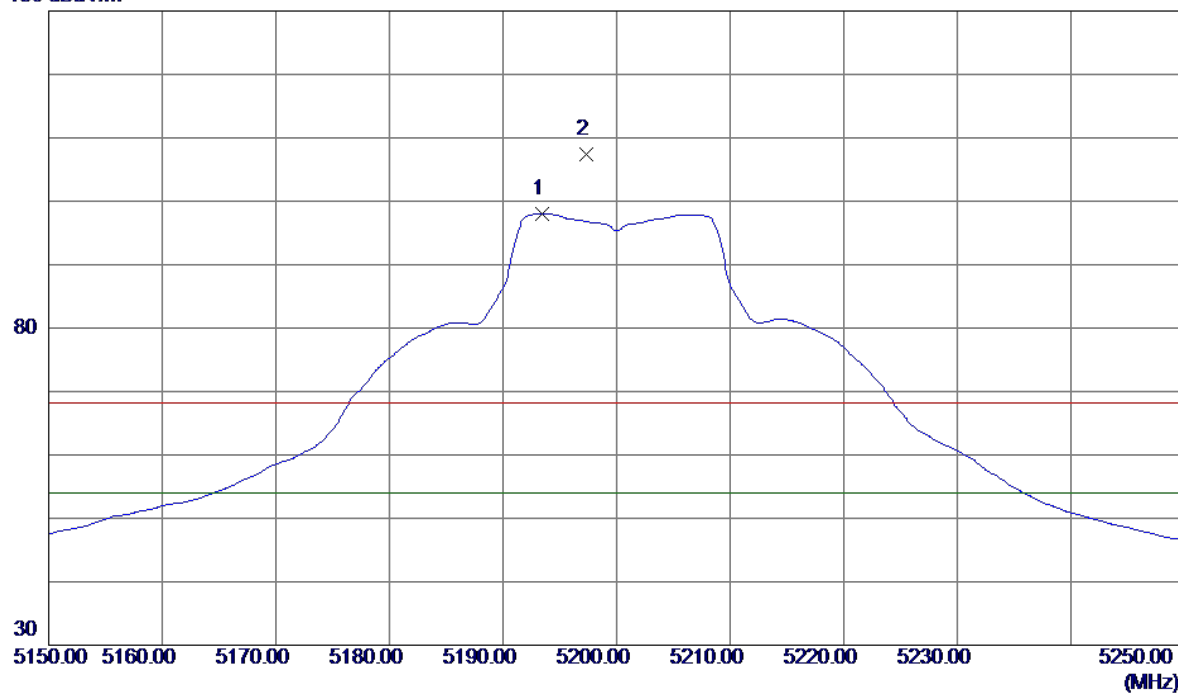
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.5000	42.44	16.33	58.77	68.30	-9.53	Peak	



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

### Vertical

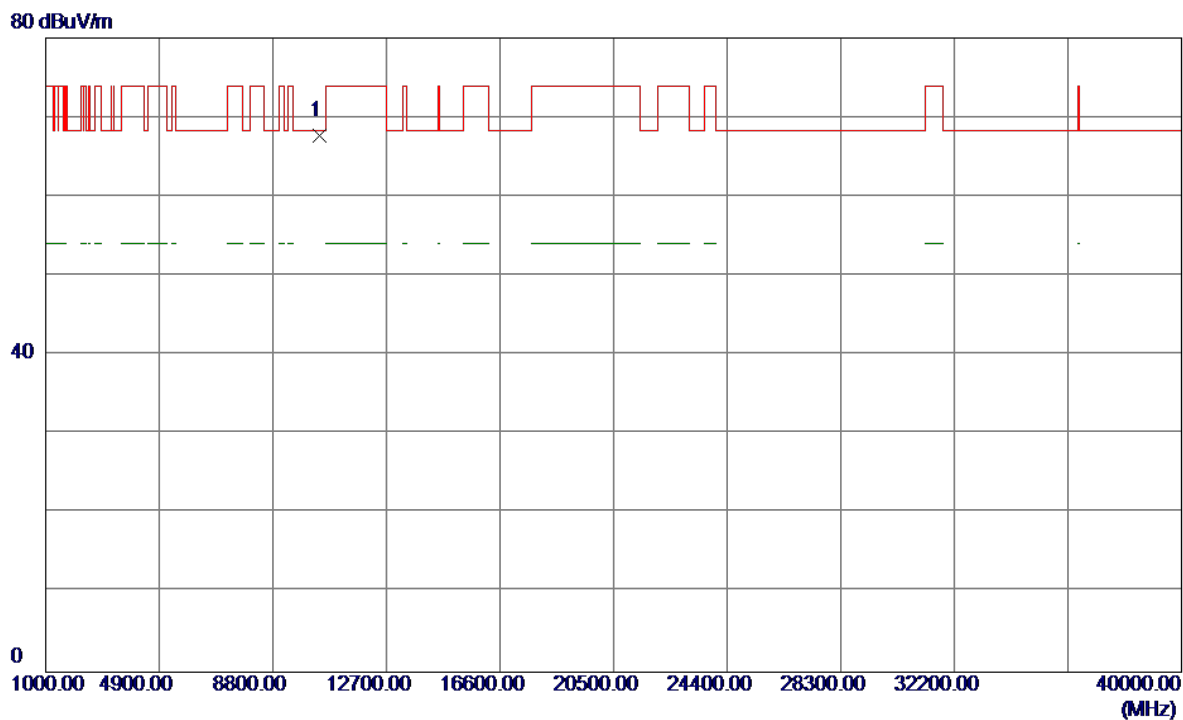
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5193.4000	56.75	41.32	98.07	54.00	44.07	AVG	No Limit
2	5197.3000	65.98	41.34	107.32	68.30	39.02	Peak	No Limit

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

### Vertical

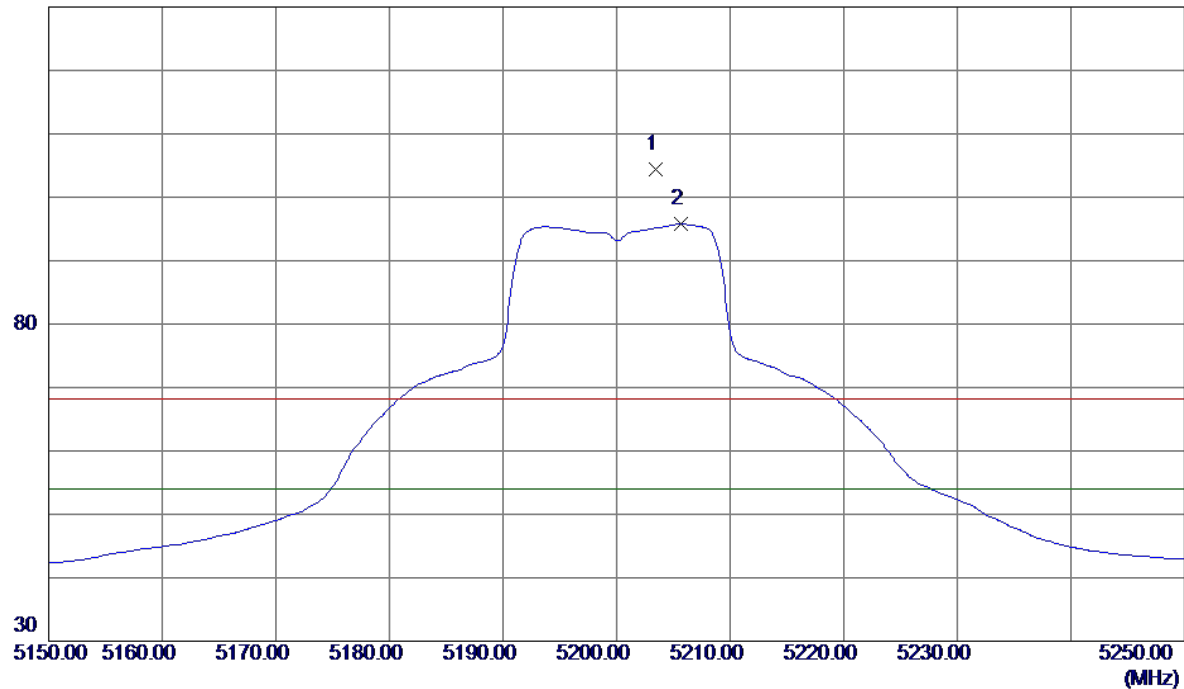


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10400.5400	51.30	16.44	67.74	68.30	-0.56	Peak	

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

### Horizontal

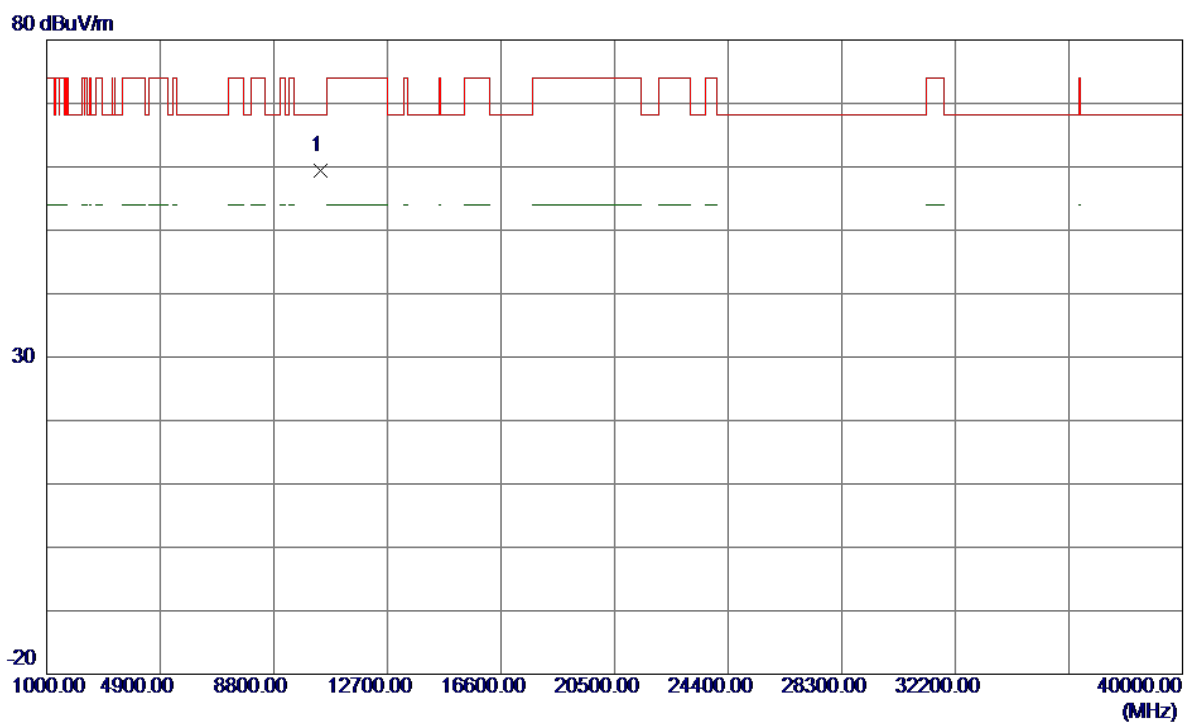
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5203.4000	63.00	41.37	104.37	68.30	36.07	Peak	No Limit
2 *	5205.7000	54.38	41.38	95.76	54.00	41.76	AVG	No Limit

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

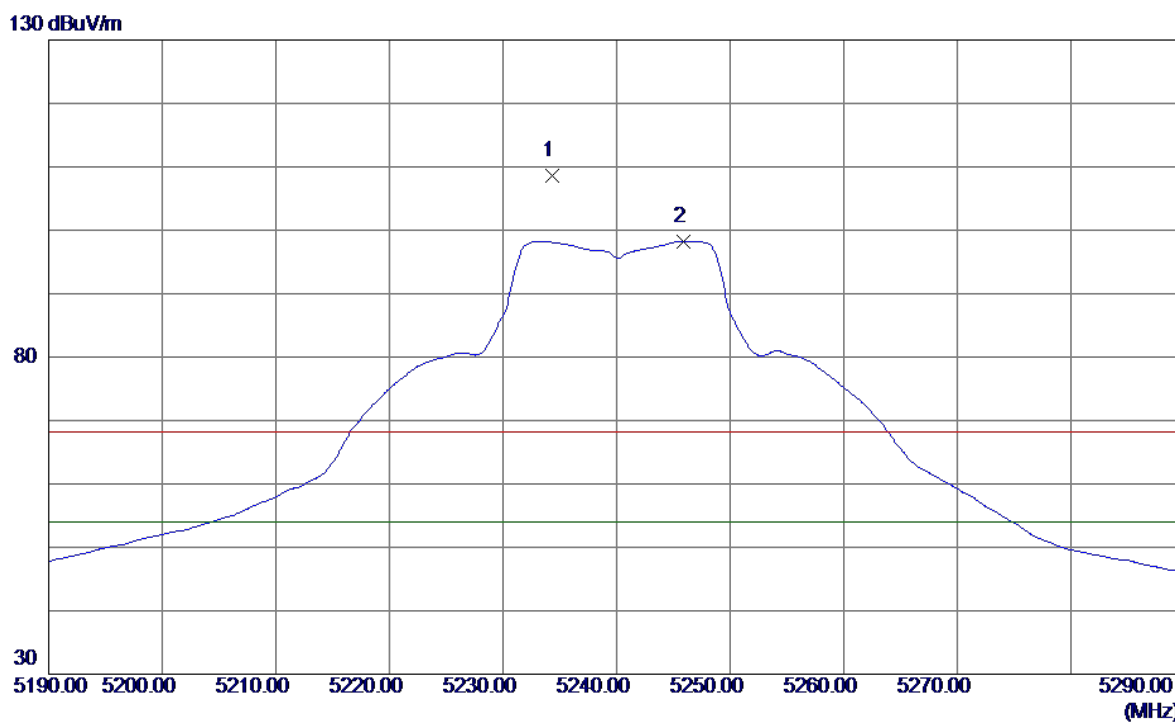
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10399.3000	43.03	16.44	59.47	68.30	-8.83	Peak	

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

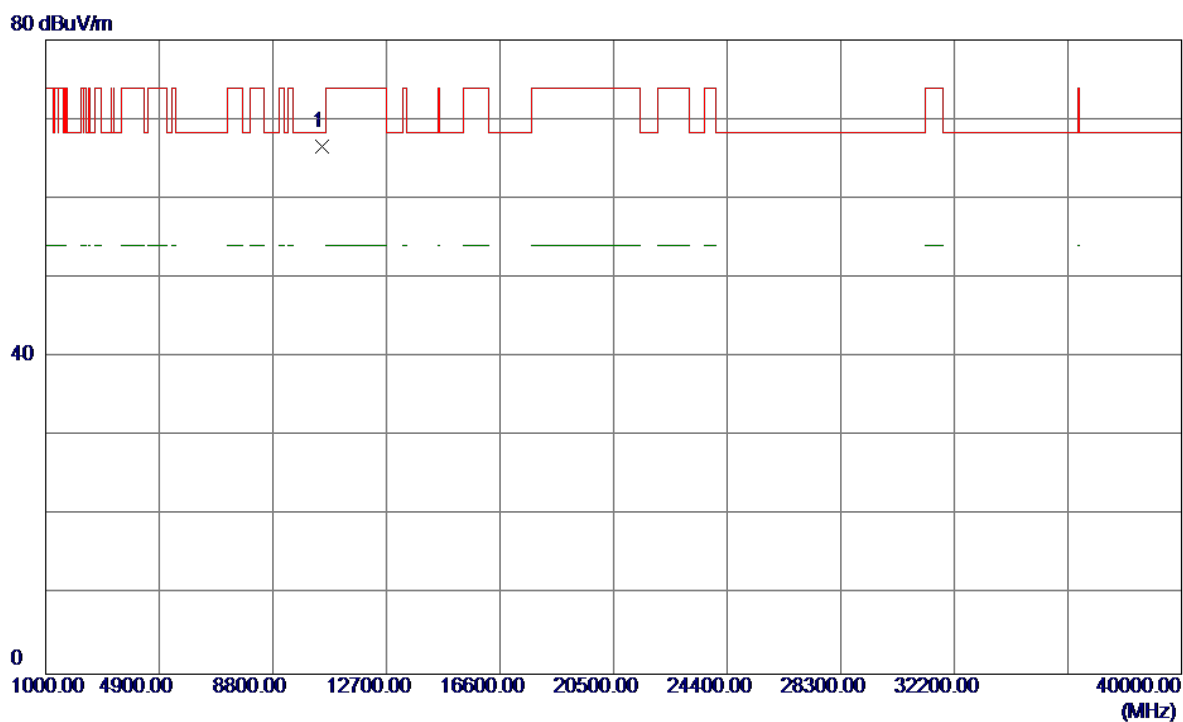
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5234.3000	67.14	41.53	108.67	68.30	40.37	Peak	No Limit
2 *	5245.9000	56.70	41.59	98.29	54.00	44.29	AVG	No Limit

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

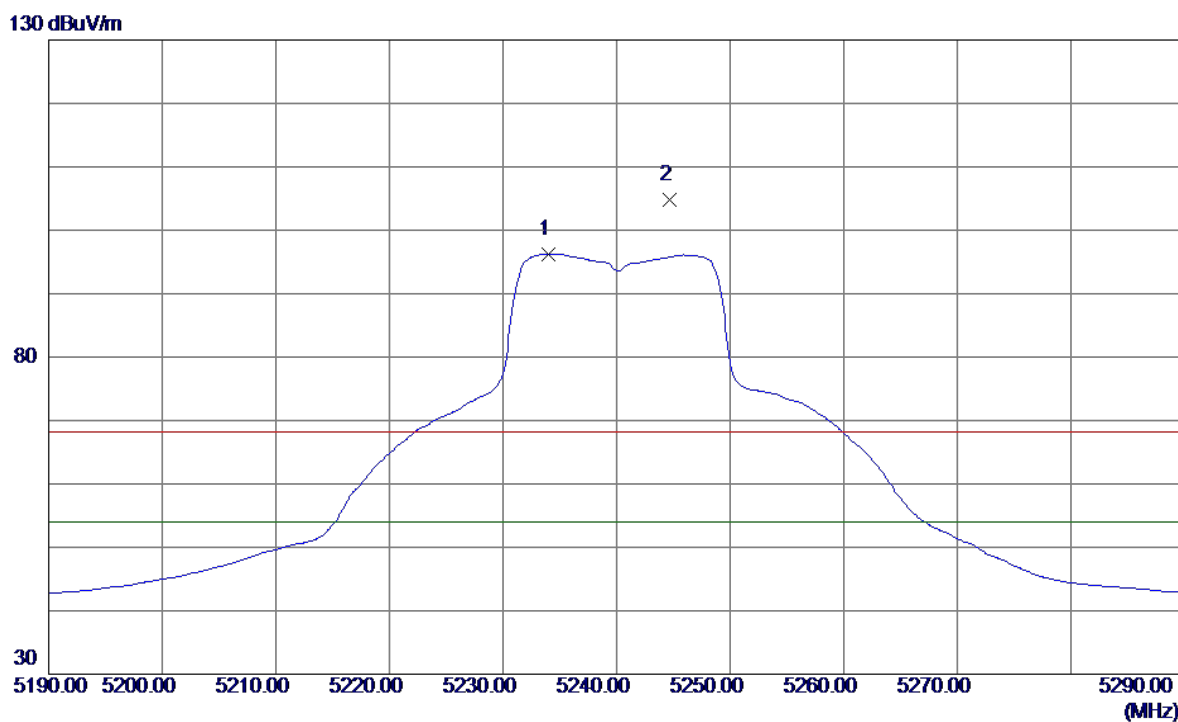
### Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10478.0000	49.85	16.65	66.50	68.30	-1.80	Peak	

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

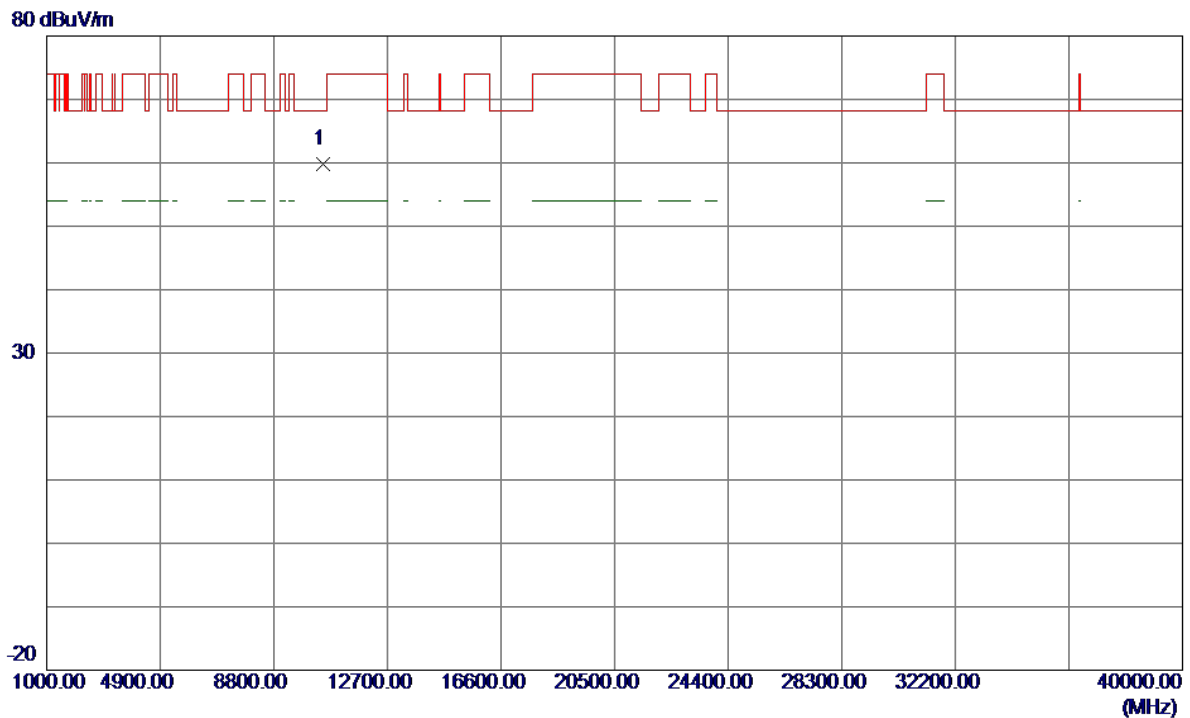
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5234.0000	54.72	41.53	96.25	54.00	42.25	AVG	No Limit
2	5244.7000	63.16	41.58	104.74	68.30	36.44	Peak	No Limit

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

### Horizontal



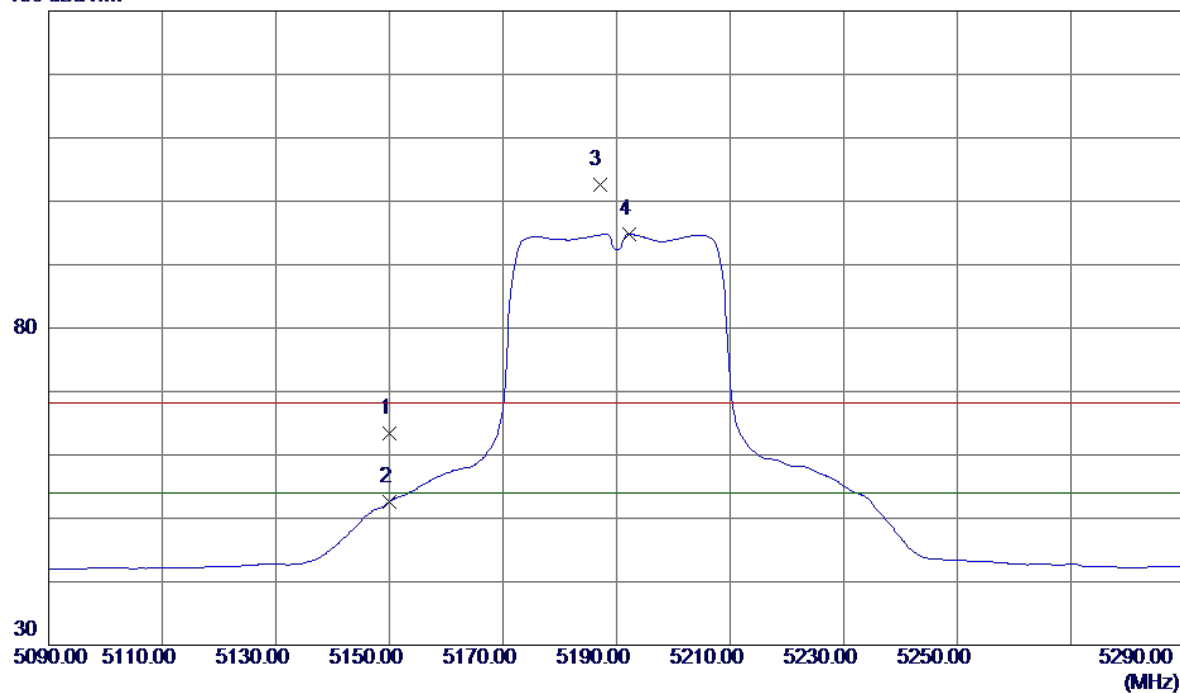
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.9000	43.16	16.65	59.81	68.30	-8.49	Peak	



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

### Vertical

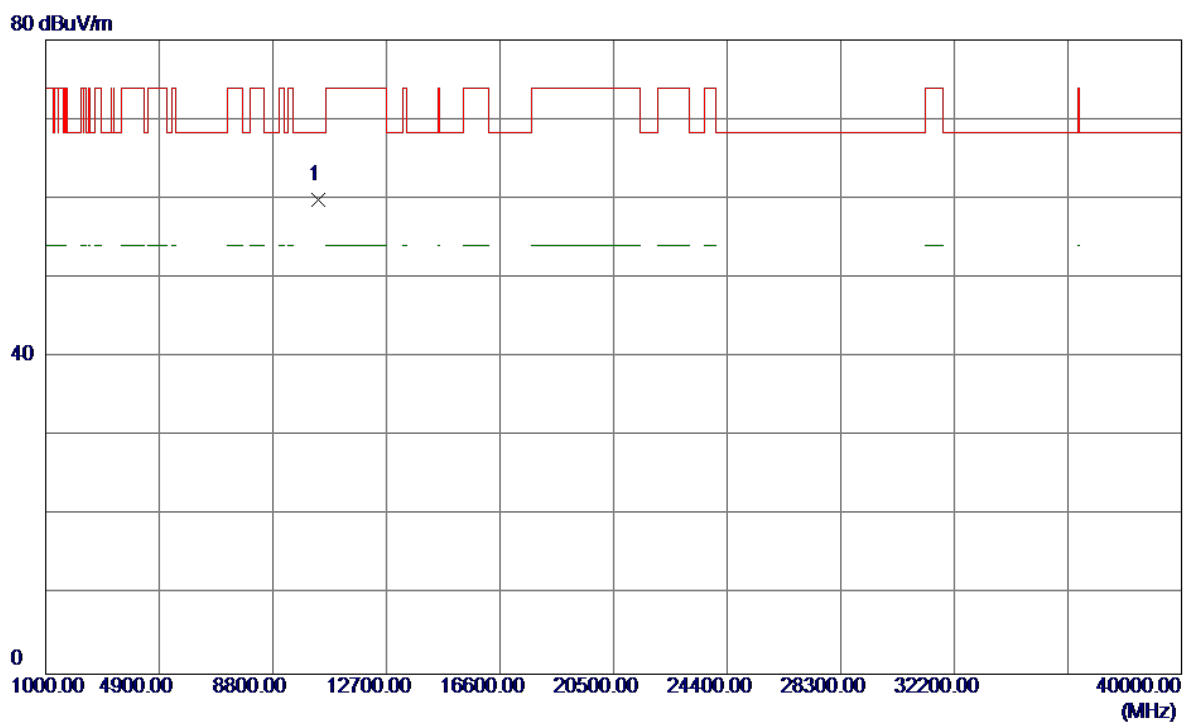
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.34	41.10	63.44	68.30	-4.86	Peak	
2	5150.0000	11.53	41.10	52.63	54.00	-1.37	AVG	
3	5187.0000	61.25	41.29	102.54	68.30	34.24	Peak	No Limit
4 *	5192.0000	53.55	41.32	94.87	54.00	40.87	AVG	No Limit

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

# Vertical

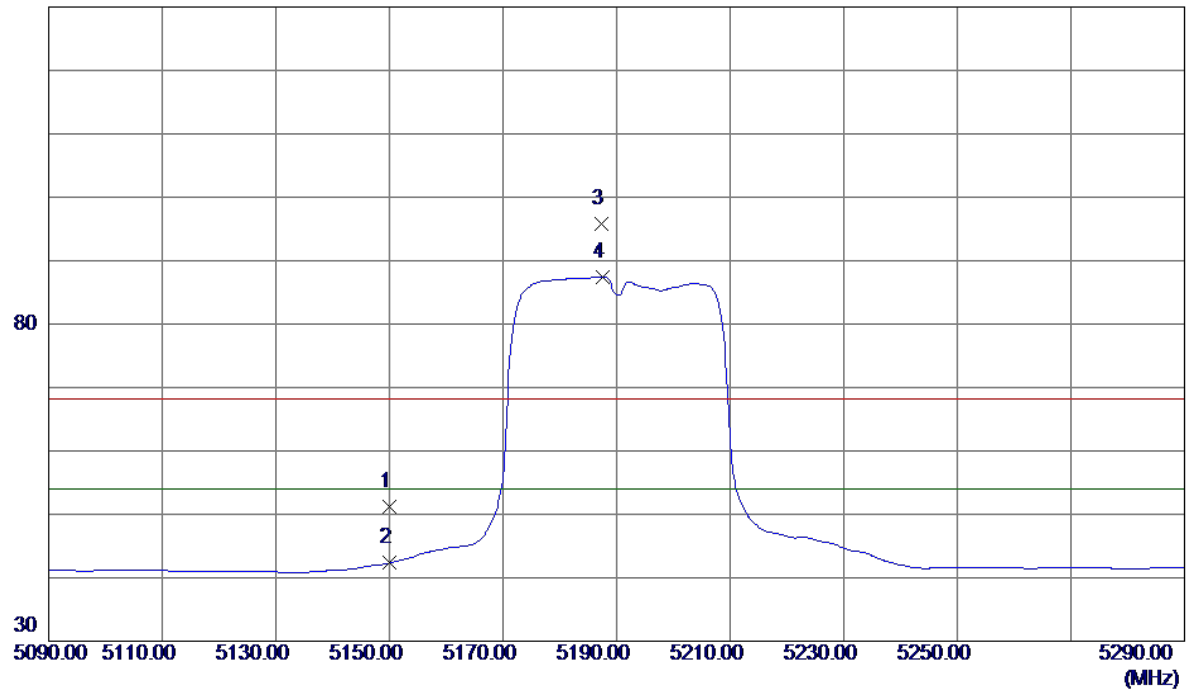


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10373.6200	43.54	16.37	59.91	68.30	-8.39	Peak	

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

### Horizontal

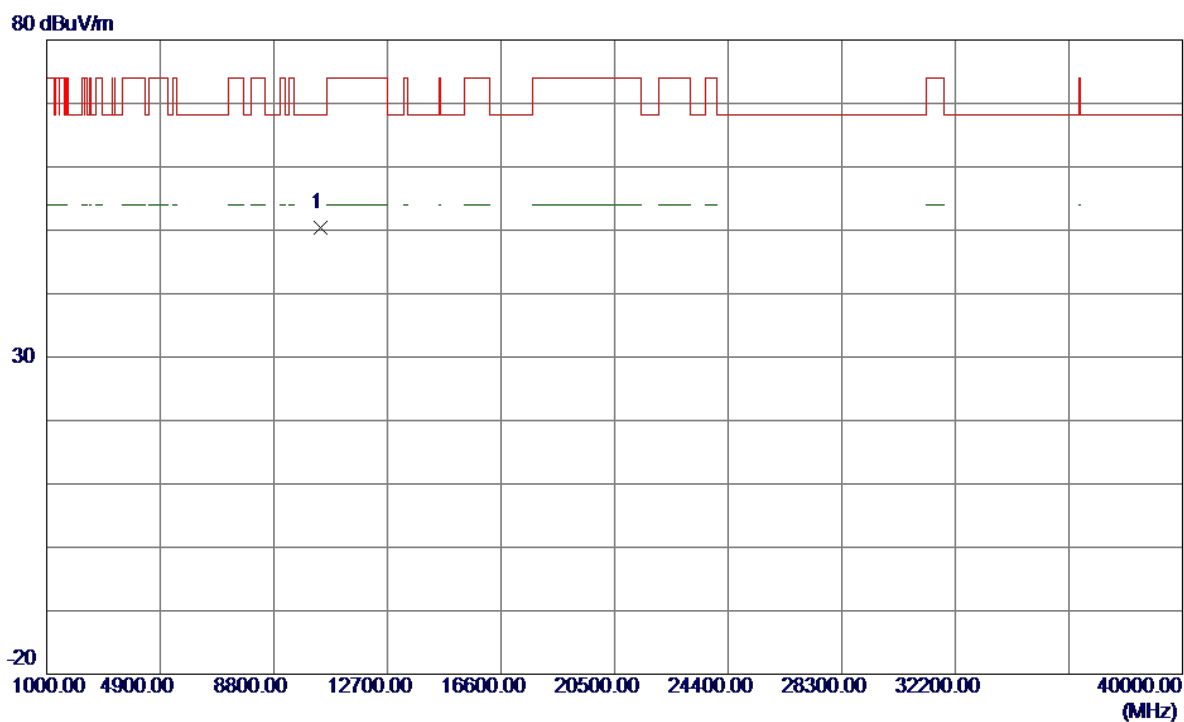
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	10.10	41.10	51.20	68.30	-17.10	Peak	
2	5150.0000	1.25	41.10	42.35	54.00	-11.65	AVG	
3	5187.4000	54.44	41.29	95.73	68.30	27.43	Peak	No Limit
4 *	5187.6000	46.15	41.29	87.44	54.00	33.44	AVG	No Limit

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

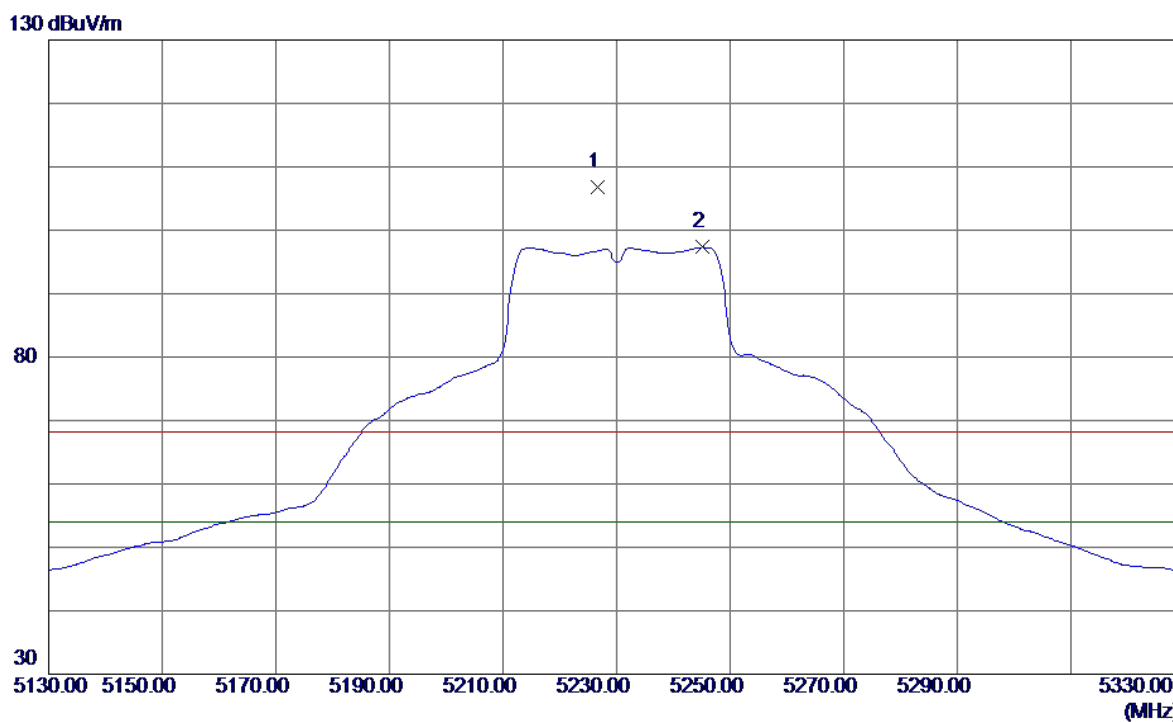
### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10391.0000	34.01	16.41	50.42	68.30	-17.88	Peak	

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

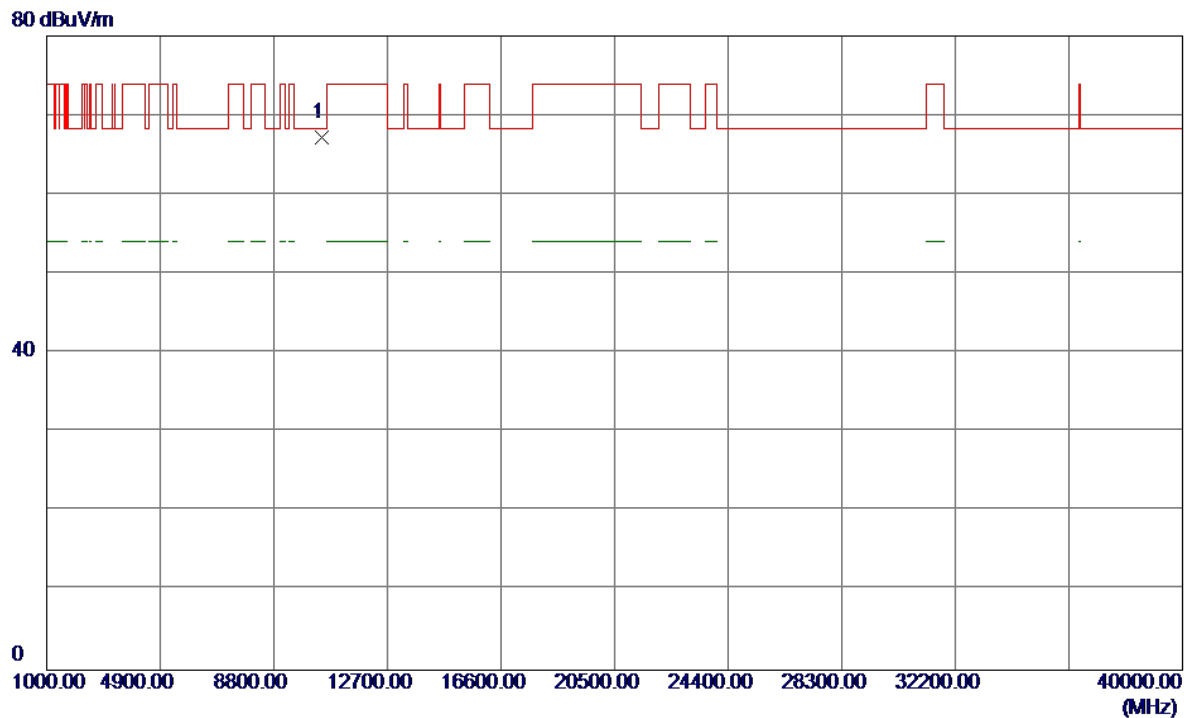
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5226.6000	65.23	41.49	106.72	68.30	38.42	Peak	No Limit
2 *	5245.2000	55.72	41.59	97.31	54.00	43.31	AVG	No Limit

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

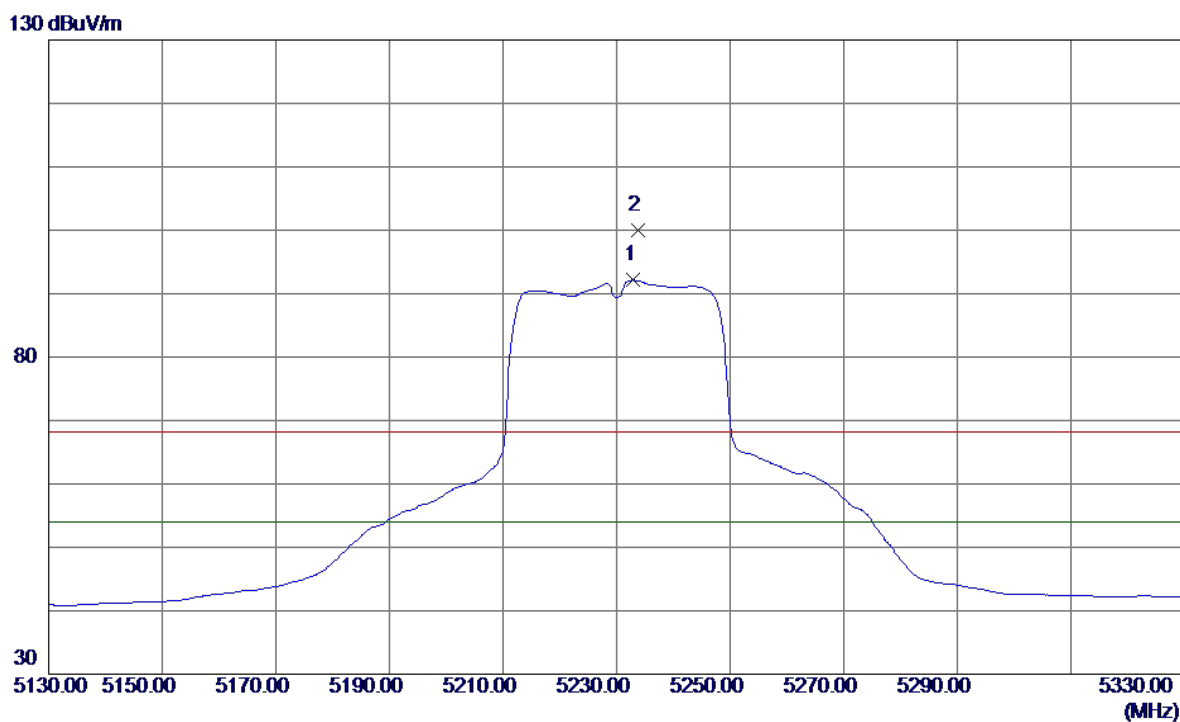
### Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10453.3000	50.67	16.58	67.25	68.30	-1.05	Peak	

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

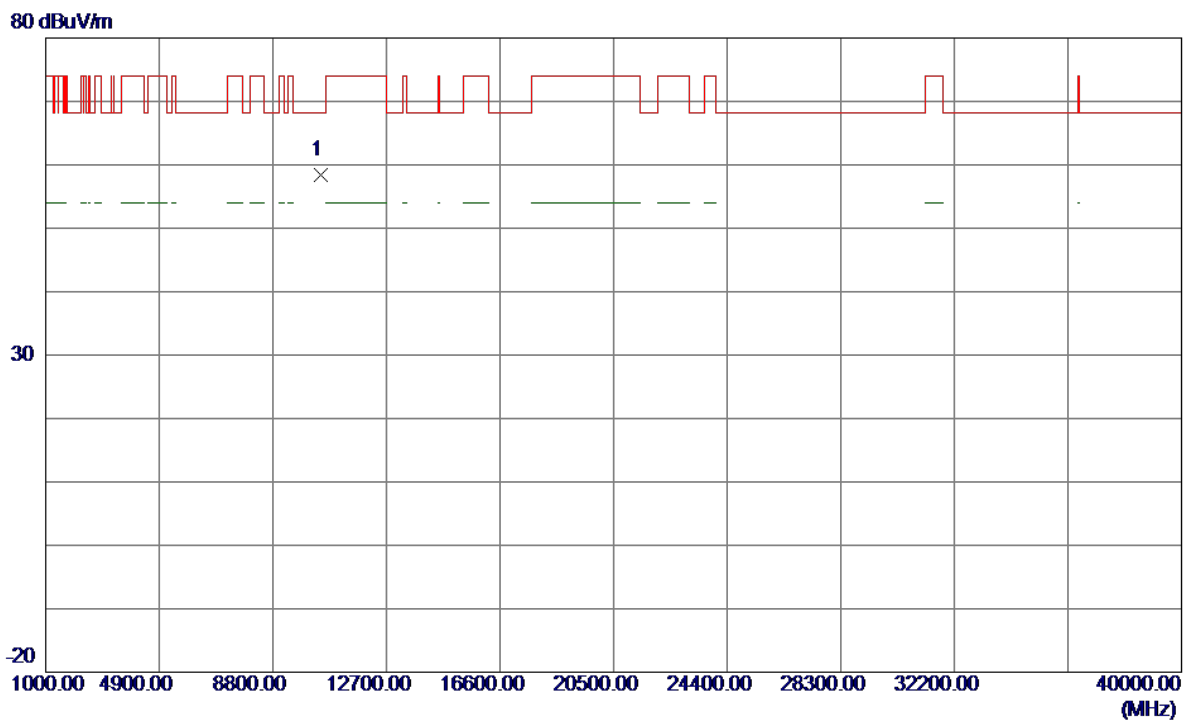
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5233.0000	50.61	41.52	92.13	54.00	38.13	AVG	No Limit
2	5233.8000	58.37	41.53	99.90	68.30	31.60	Peak	No Limit

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

### Horizontal



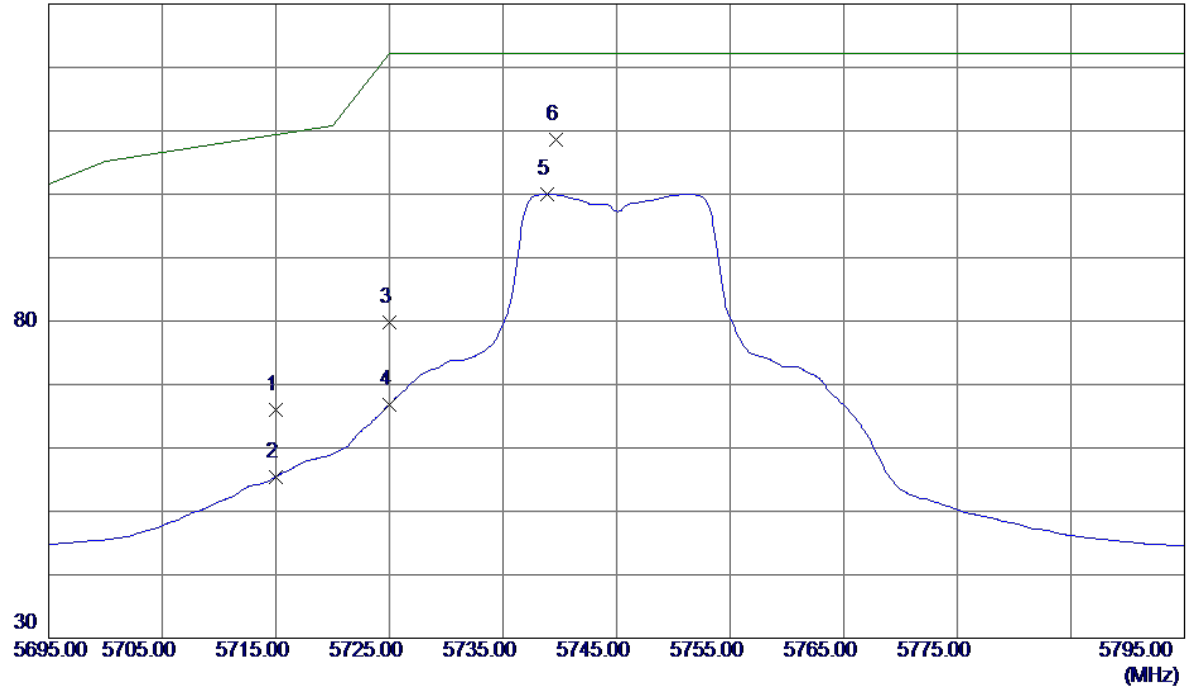
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10466.4000	41.77	16.62	58.39	68.30	-9.91	Peak	



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

### Vertical

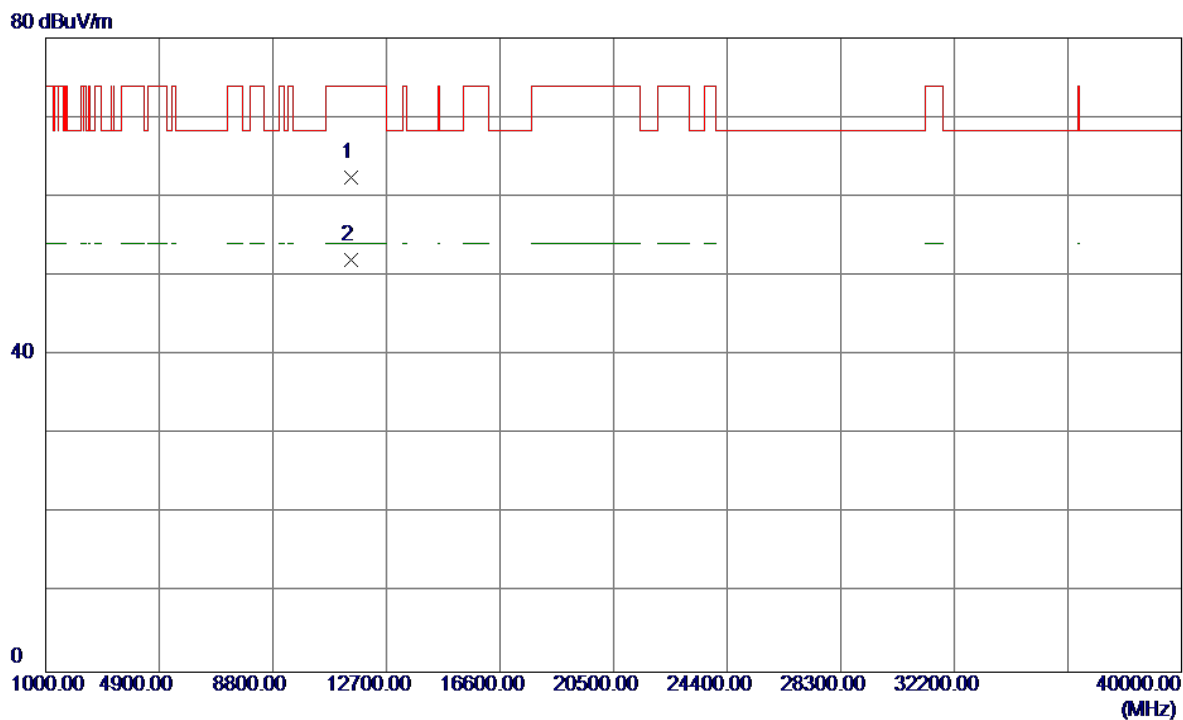
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	22.38	43.53	65.91	109.40	-43.49	Peak	
2	5715.0000	11.93	43.53	55.46	109.40	-53.94	AVG	
3	5725.0000	36.20	43.56	79.76	122.20	-42.44	Peak	
4	5725.0000	23.31	43.56	66.87	122.20	-55.33	AVG	
5	5738.9000	56.40	43.60	100.00	122.20	-22.20	AVG	
6 *	5739.7000	64.98	43.60	108.58	122.20	-13.62	Peak	

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

### Vertical

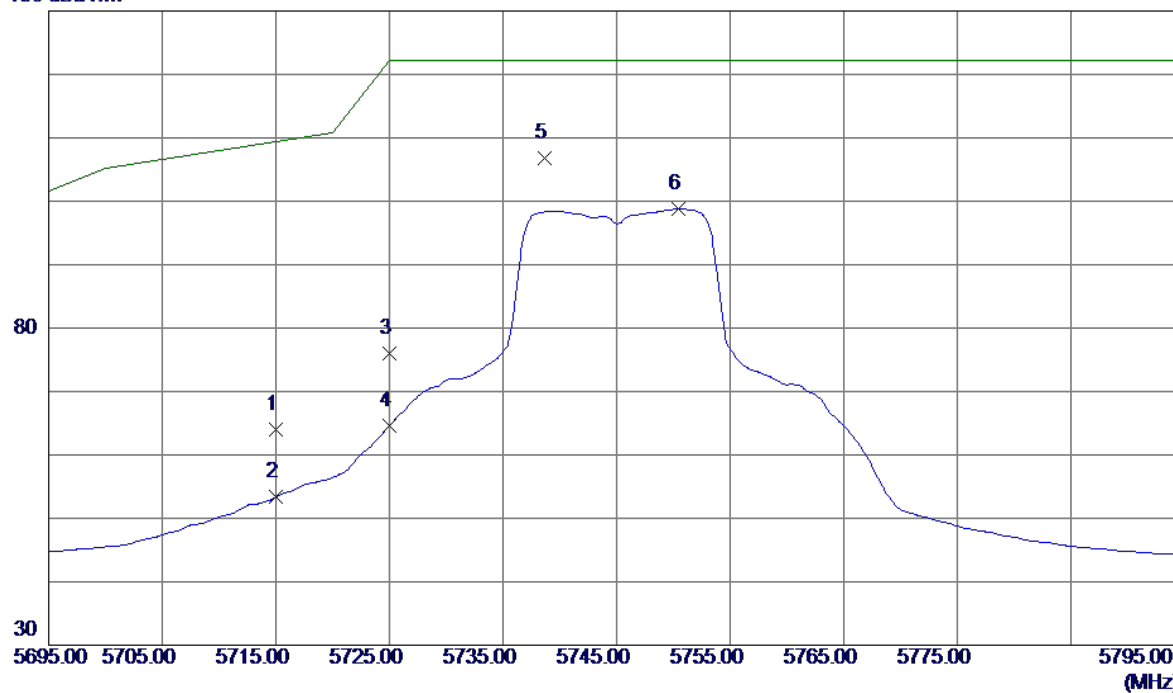


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11486.3400	44.62	17.74	62.36	74.00	-11.64	Peak	
2 *	11490.0400	34.29	17.75	52.04	54.00	-1.96	AVG	

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

### Horizontal

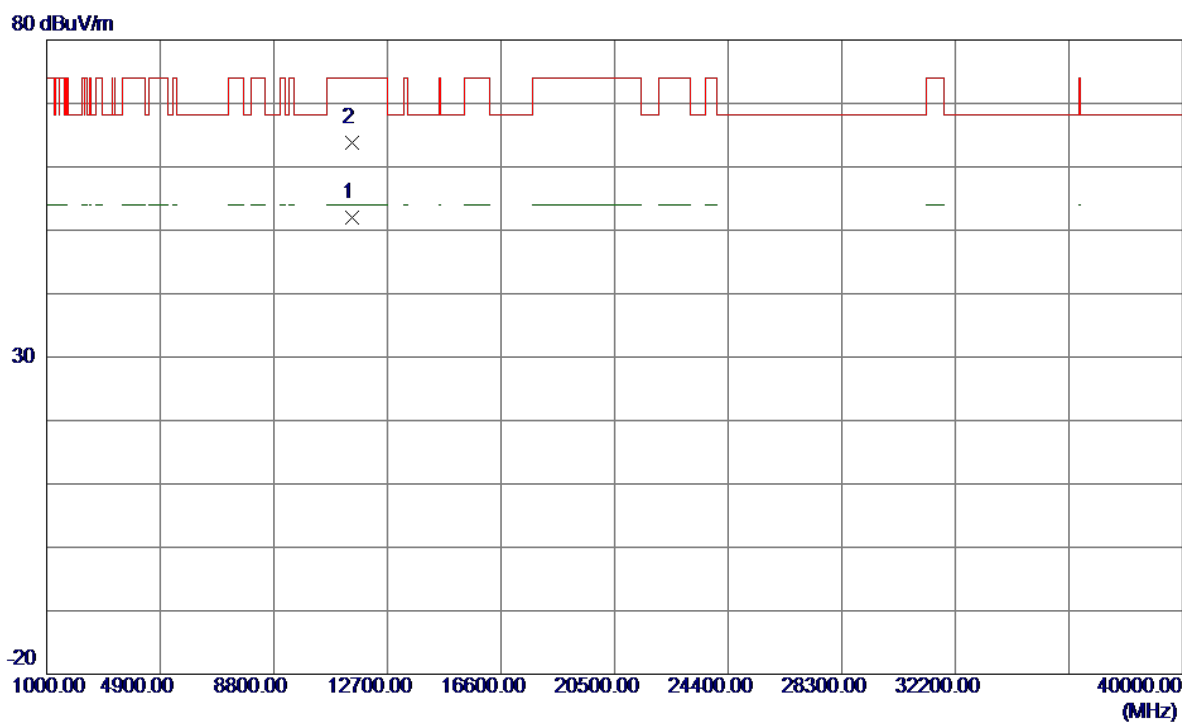
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	20.48	43.53	64.01	109.40	-45.39	Peak	
2	5715.0000	9.83	43.53	53.36	109.40	-56.04	AVG	
3	5725.0000	32.35	43.56	75.91	122.20	-46.29	Peak	
4	5725.0000	21.07	43.56	64.63	122.20	-57.57	AVG	
5 *	5738.7000	63.15	43.60	106.75	122.20	-15.45	Peak	
6	5750.4000	55.09	43.64	98.73	122.20	-23.47	AVG	

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

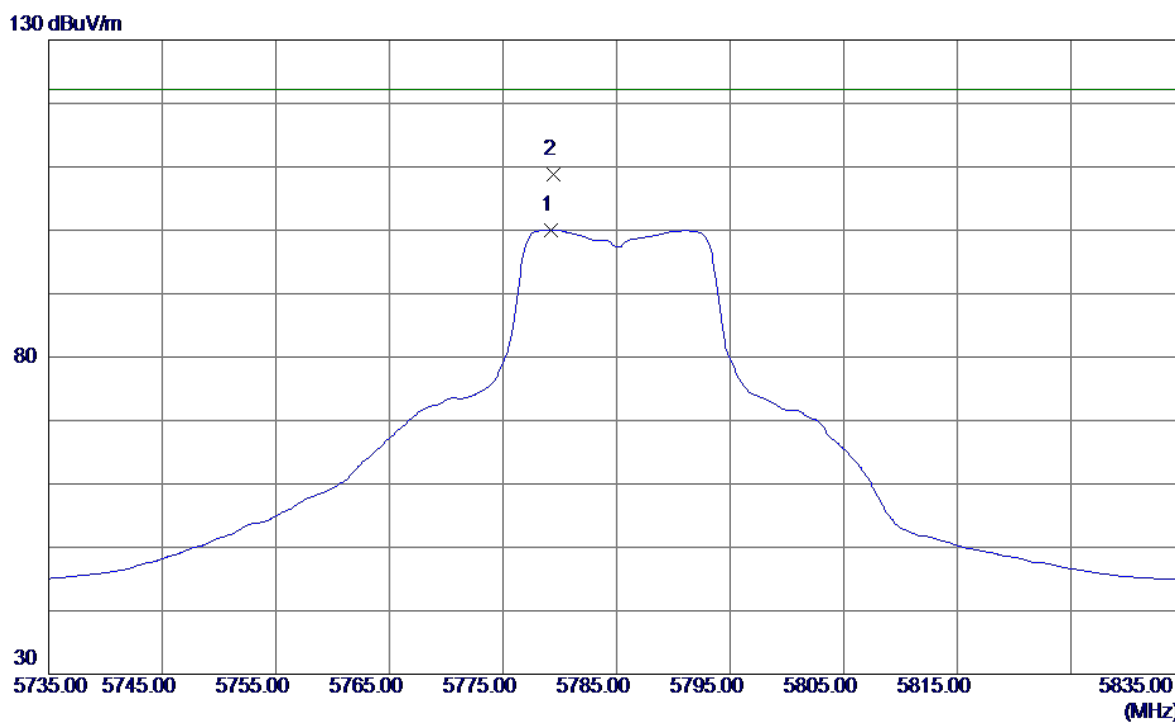
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11490.2000	34.26	17.75	52.01	54.00	-1.99	AVG	
2	11491.8000	46.00	17.76	63.76	74.00	-10.24	Peak	

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

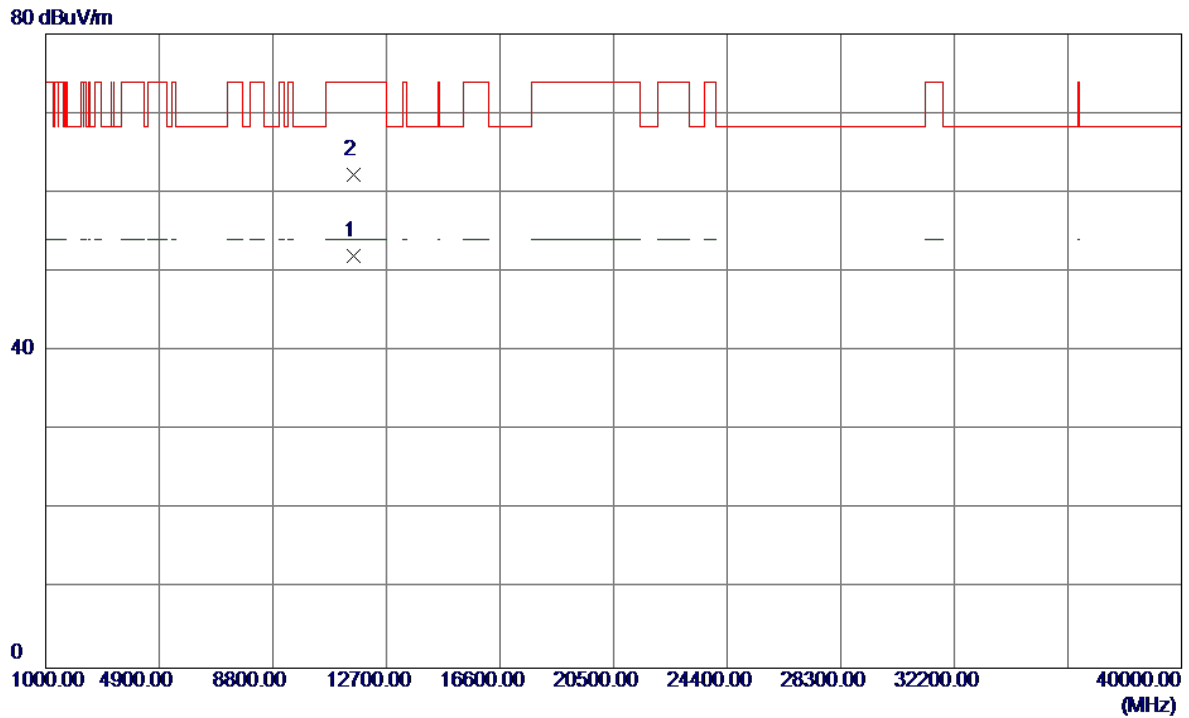
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5779.2000	56.33	43.72	100.05	122.20	-22.15	AVG	
2 *	5779.4000	65.11	43.72	108.83	122.20	-13.37	Peak	

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

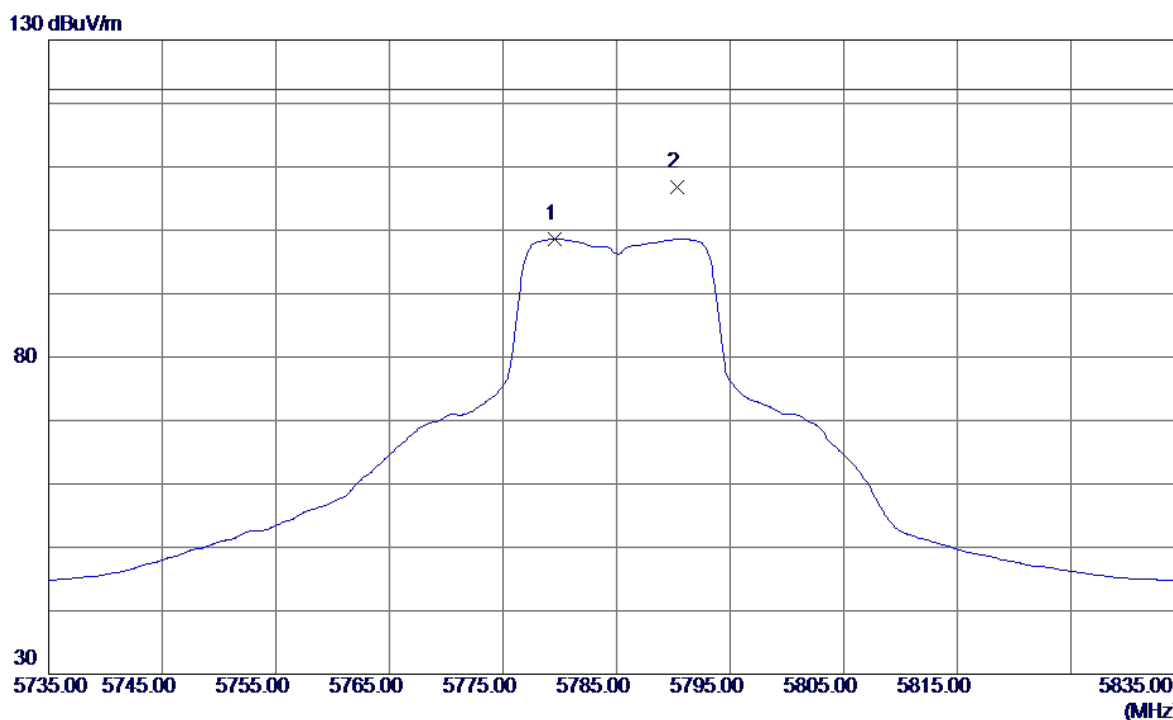
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11570.0400	34.11	17.82	51.93	54.00	-2.07	AVG	
2	11571.9000	44.35	17.82	62.17	74.00	-11.83	Peak	

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

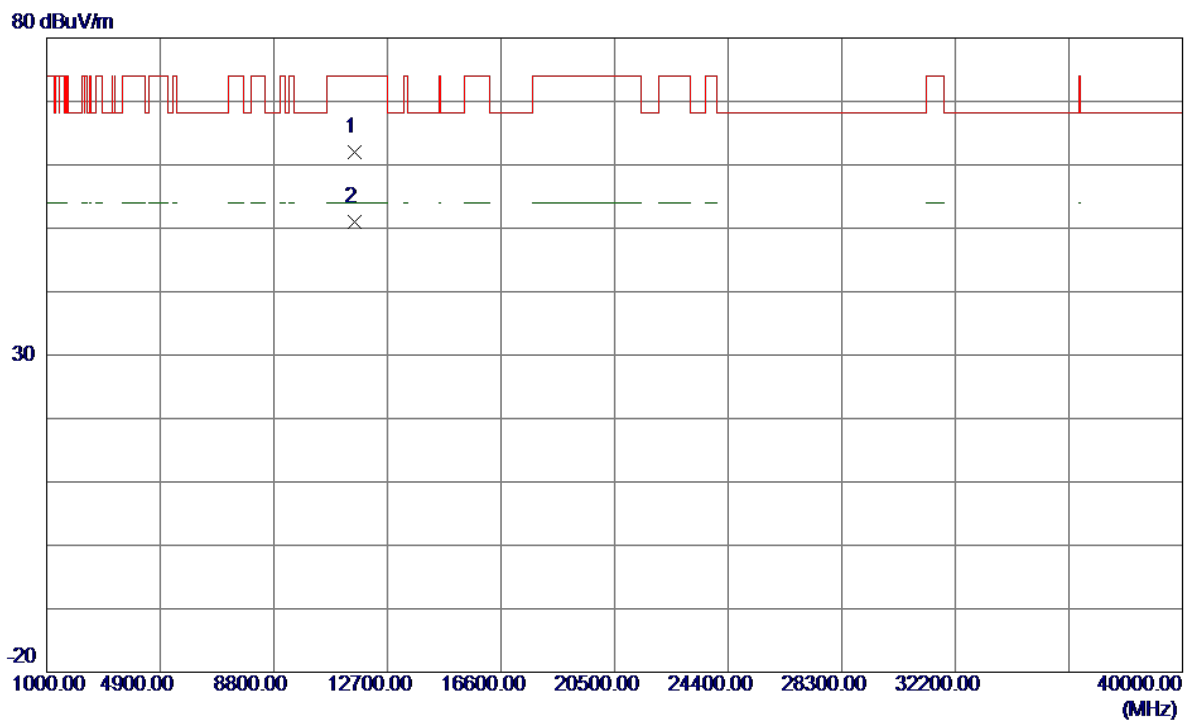
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5779.6000	54.87	43.72	98.59	122.20	-23.61	AVG	
2 *	5790.3000	63.00	43.76	106.76	122.20	-15.44	Peak	

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

### Horizontal



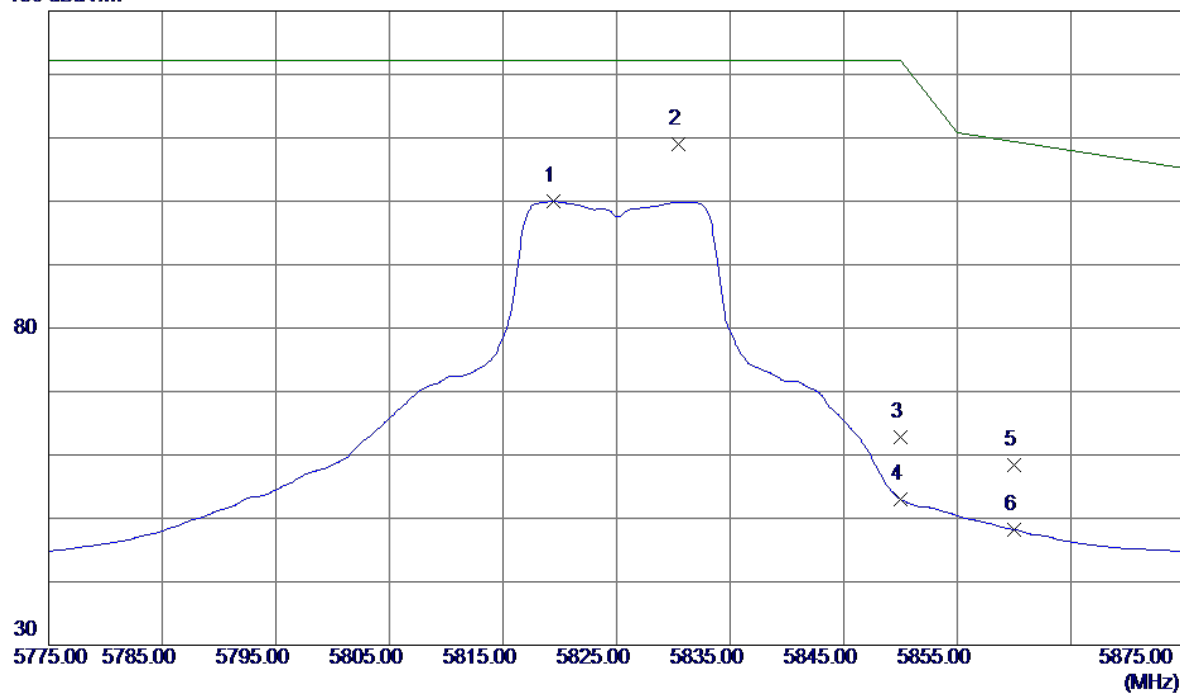
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11566.4000	44.26	17.82	62.08	74.00	-11.92	Peak	
2 *	11570.2000	33.21	17.82	51.03	54.00	-2.97	AVG	



Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz

### Vertical

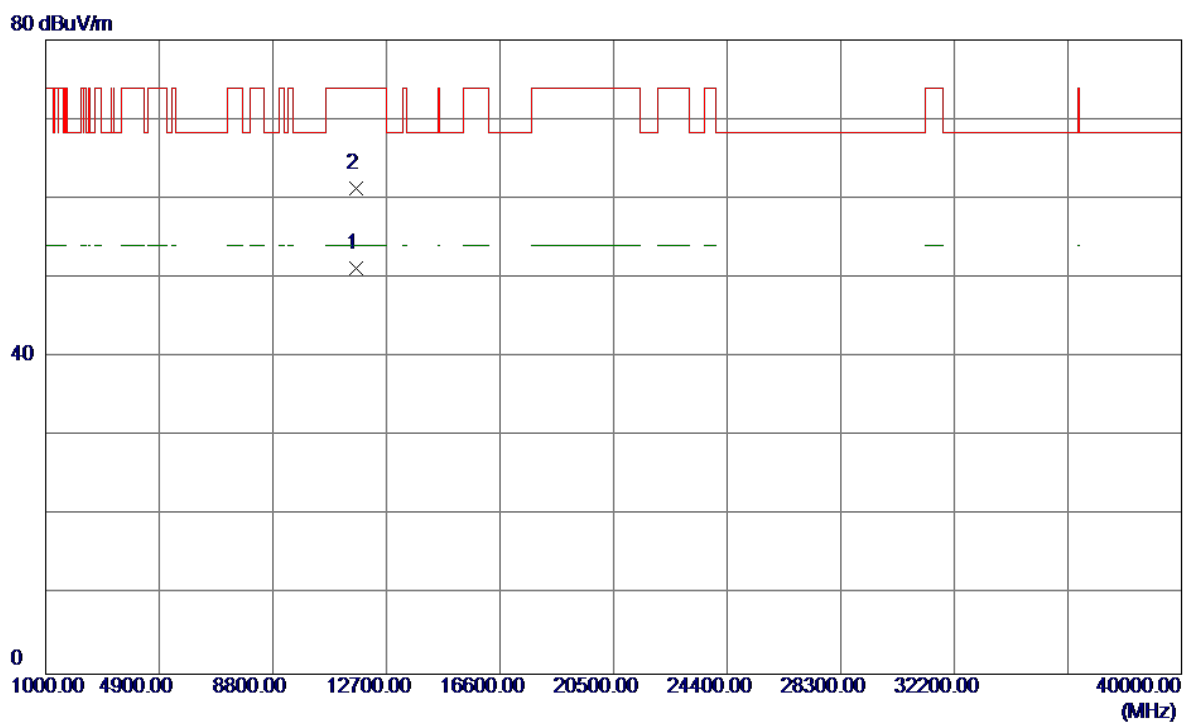
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5819.4000	56.10	43.84	99.94	122.20	-22.26	AVG	
2 *	5830.4000	65.05	43.88	108.93	122.20	-13.27	Peak	
3	5850.0000	18.93	43.94	62.87	122.20	-59.33	Peak	
4	5850.0000	9.03	43.94	52.97	122.20	-69.23	AVG	
5	5860.0000	14.44	43.97	58.41	109.40	-50.99	Peak	
6	5860.0000	4.26	43.97	48.23	109.40	-61.17	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz

### Vertical

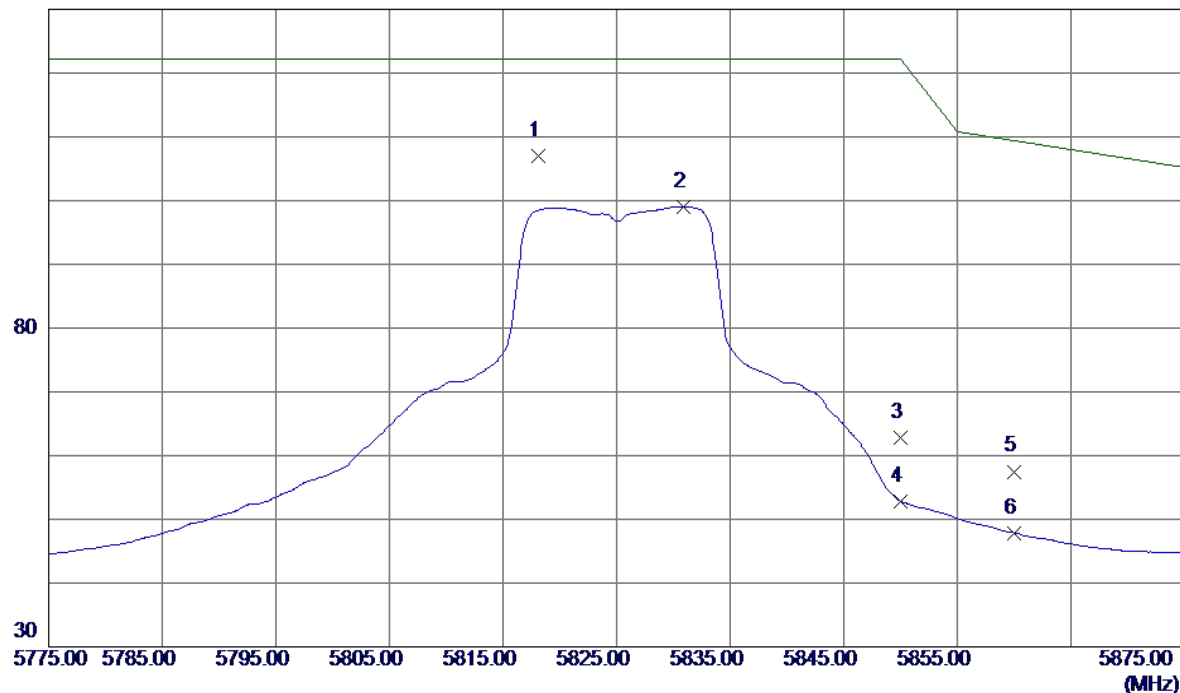


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11650.1400	33.30	17.86	51.16	54.00	-2.84	AVG	
2	11651.9000	43.41	17.86	61.27	74.00	-12.73	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz

### Horizontal

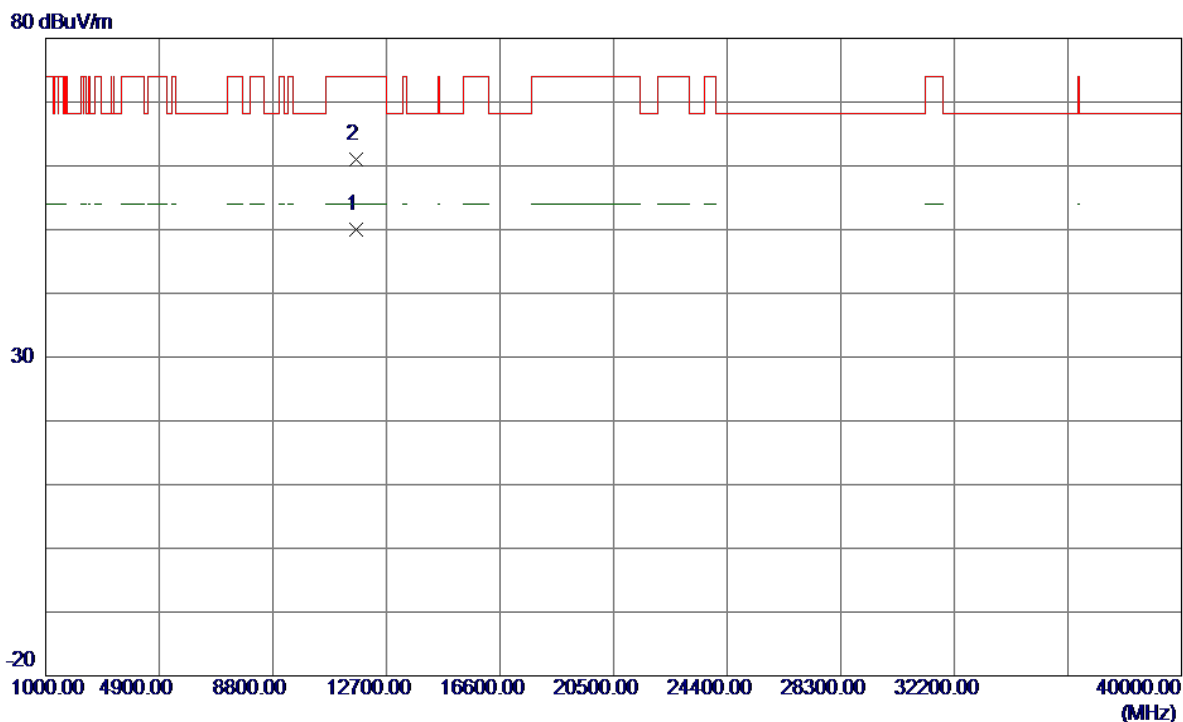
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5818.1000	63.07	43.84	106.91	122.20	-15.29	Peak	
2	5830.9000	55.12	43.88	99.00	122.20	-23.20	AVG	
3	5850.0000	18.83	43.94	62.77	122.20	-59.43	Peak	
4	5850.0000	8.87	43.94	52.81	122.20	-69.39	AVG	
5	5860.0000	13.53	43.97	57.50	109.40	-51.90	Peak	
6	5860.0000	3.92	43.97	47.89	109.40	-61.51	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz

### Horizontal

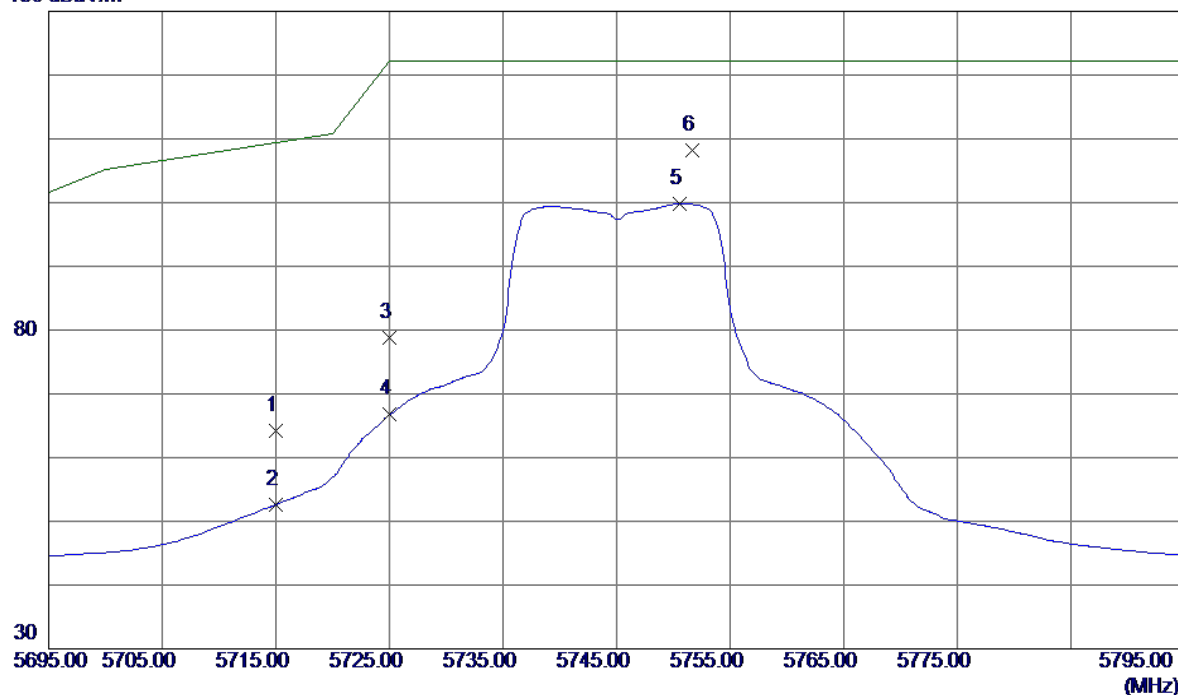


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11650.2000	32.23	17.86	50.09	54.00	-3.91	AVG	
2	11652.6000	43.18	17.86	61.04	74.00	-12.96	Peak	

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

### Vertical

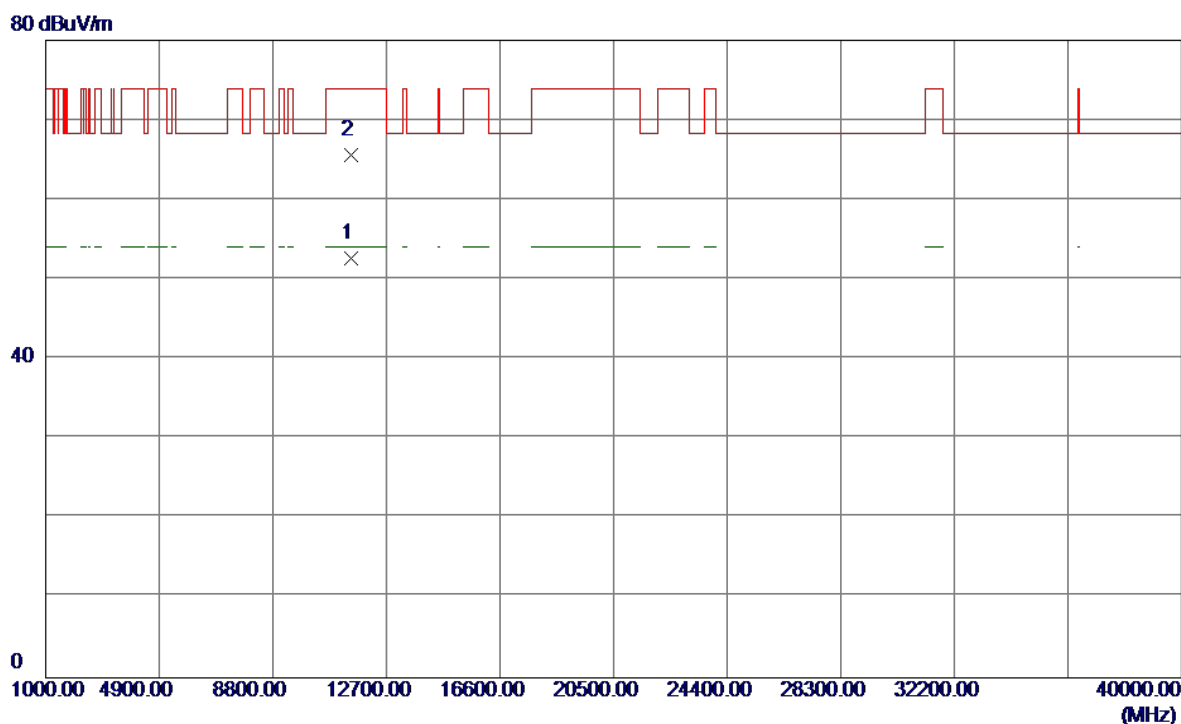
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	20.59	43.53	64.12	109.40	-45.28	Peak	
2	5715.0000	9.07	43.53	52.60	109.40	-56.80	AVG	
3	5725.0000	35.17	43.56	78.73	122.20	-43.47	Peak	
4	5725.0000	23.17	43.56	66.73	122.20	-55.47	AVG	
5	5750.6000	56.16	43.64	99.80	122.20	-22.40	AVG	
6 *	5751.7000	64.52	43.64	108.16	122.20	-14.04	Peak	

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

### Vertical

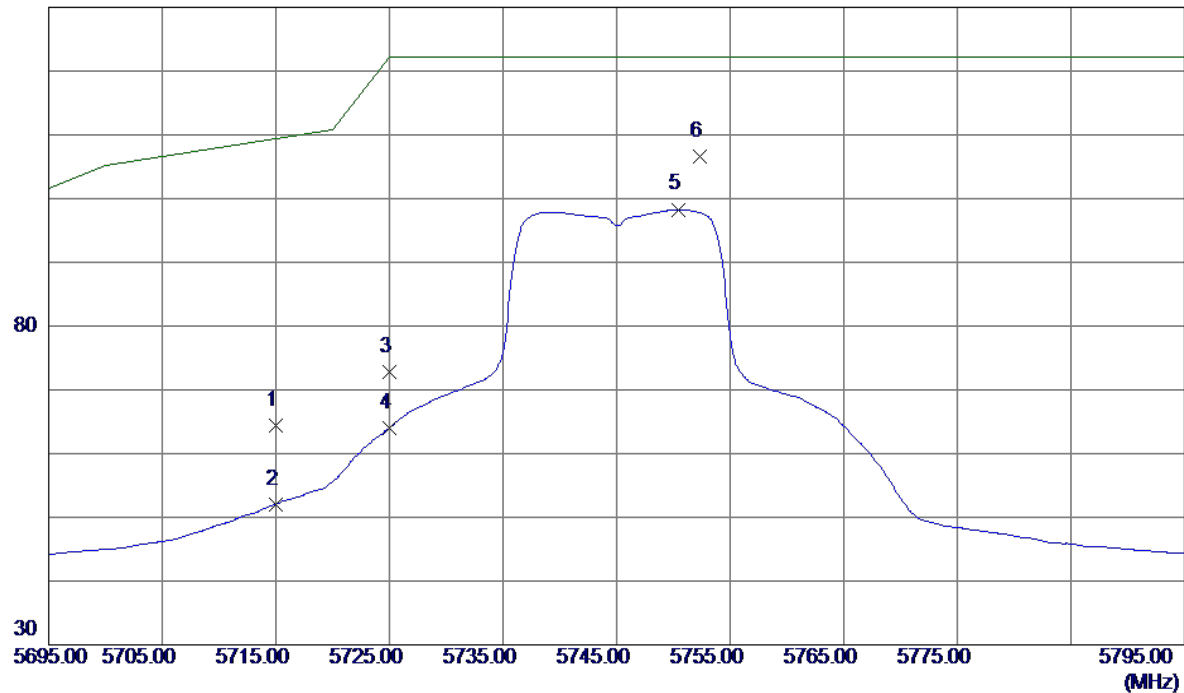


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11489.1400	34.87	17.75	52.62	54.00	-1.38	AVG	
2	11490.5400	47.78	17.75	65.53	74.00	-8.47	Peak	

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

### Horizontal

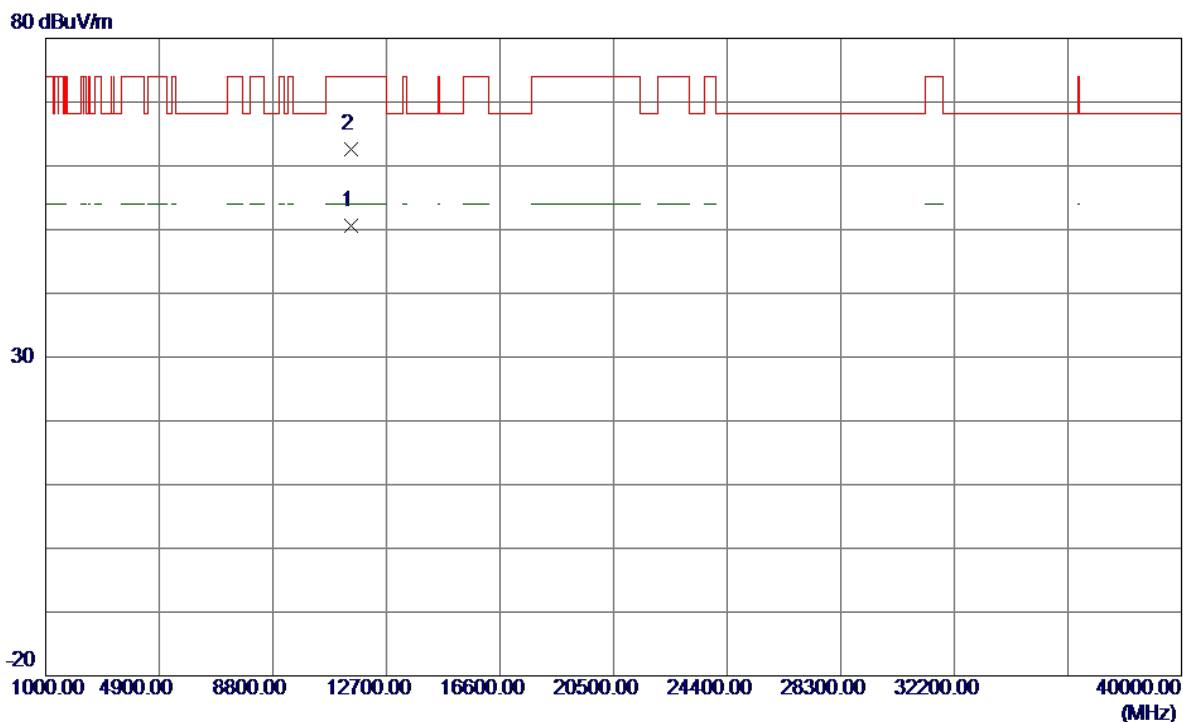
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	20.82	43.53	64.35	109.40	-45.05	Peak	
2	5715.0000	8.55	43.53	52.08	109.40	-57.32	AVG	
3	5725.0000	29.33	43.56	72.89	122.20	-49.31	Peak	
4	5725.0000	20.49	43.56	64.05	122.20	-58.15	AVG	
5	5750.4000	54.66	43.64	98.30	122.20	-23.90	AVG	
6 *	5752.3000	63.02	43.64	106.66	122.20	-15.54	Peak	

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

### Horizontal



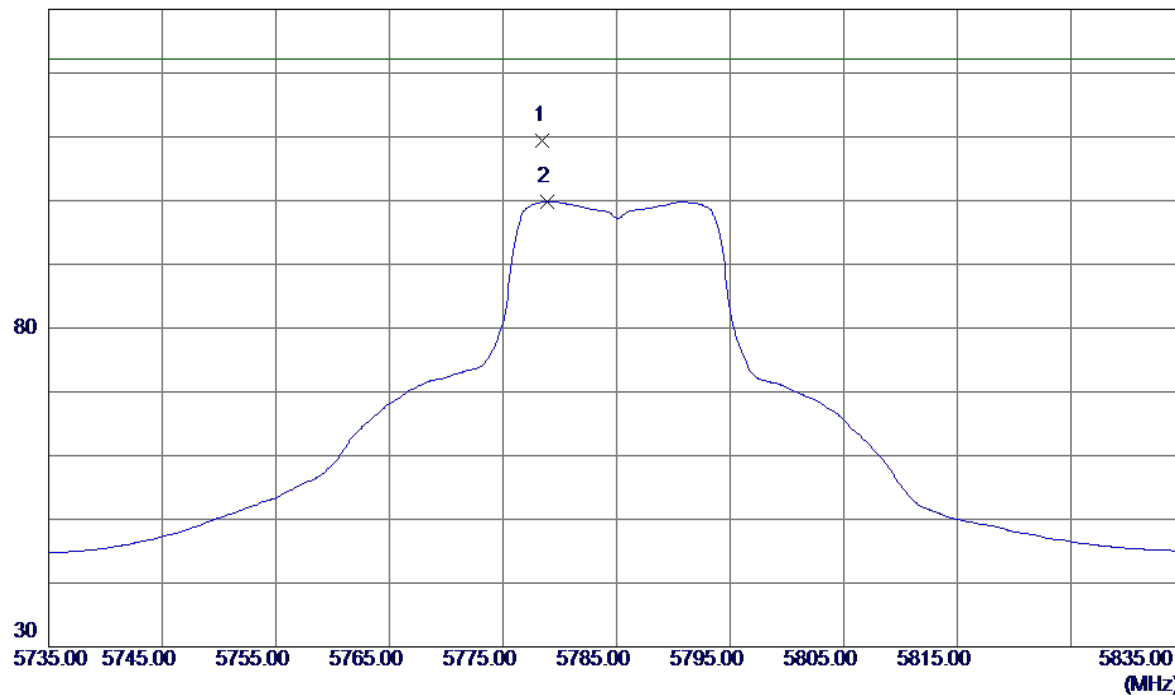
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11489.4000	32.87	17.75	50.62	54.00	-3.38	AVG	
2	11490.7500	44.77	17.75	62.52	74.00	-11.48	Peak	



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

### Vertical

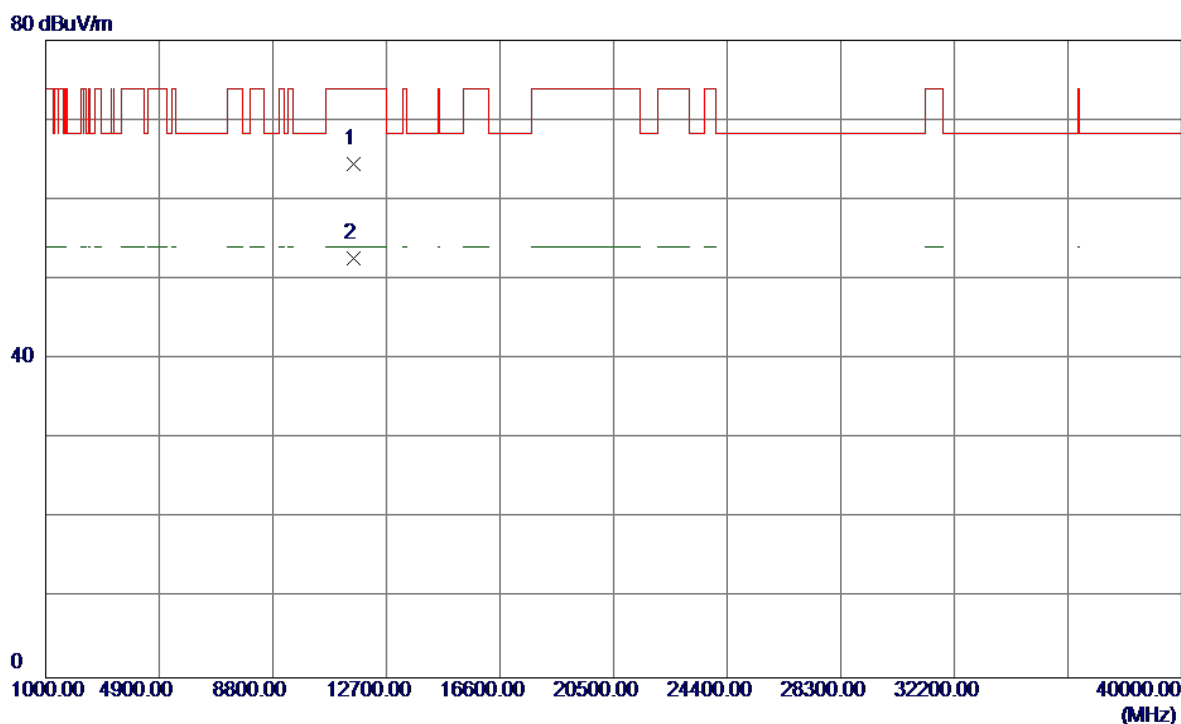
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5778.5000	65.72	43.72	109.44	122.20	-12.76	Peak	
2	5778.9000	56.12	43.72	99.84	122.20	-22.36	AVG	

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

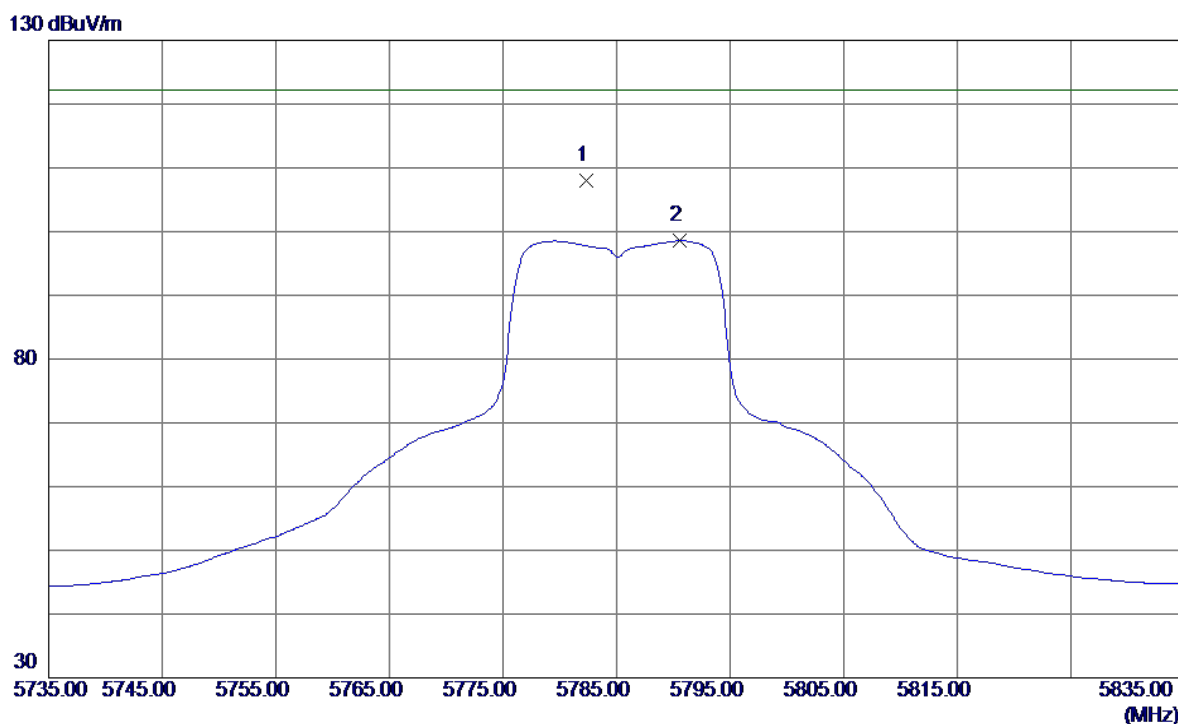
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11570.7800	46.68	17.82	64.50	74.00	-9.50	Peak	
2 *	11571.5599	34.89	17.82	52.71	54.00	-1.29	AVG	

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

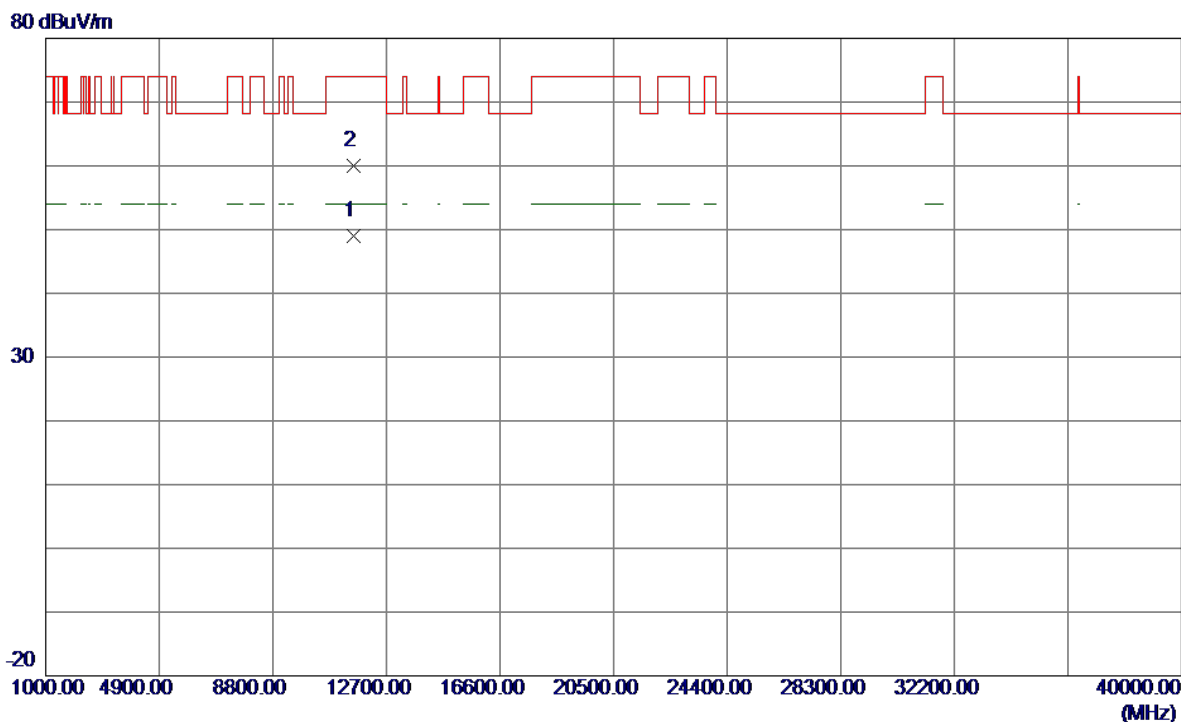
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5782.3000	64.23	43.73	107.96	122.20	-14.24	Peak	
2	5790.6000	54.80	43.76	98.56	122.20	-23.64	AVG	

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

### Horizontal

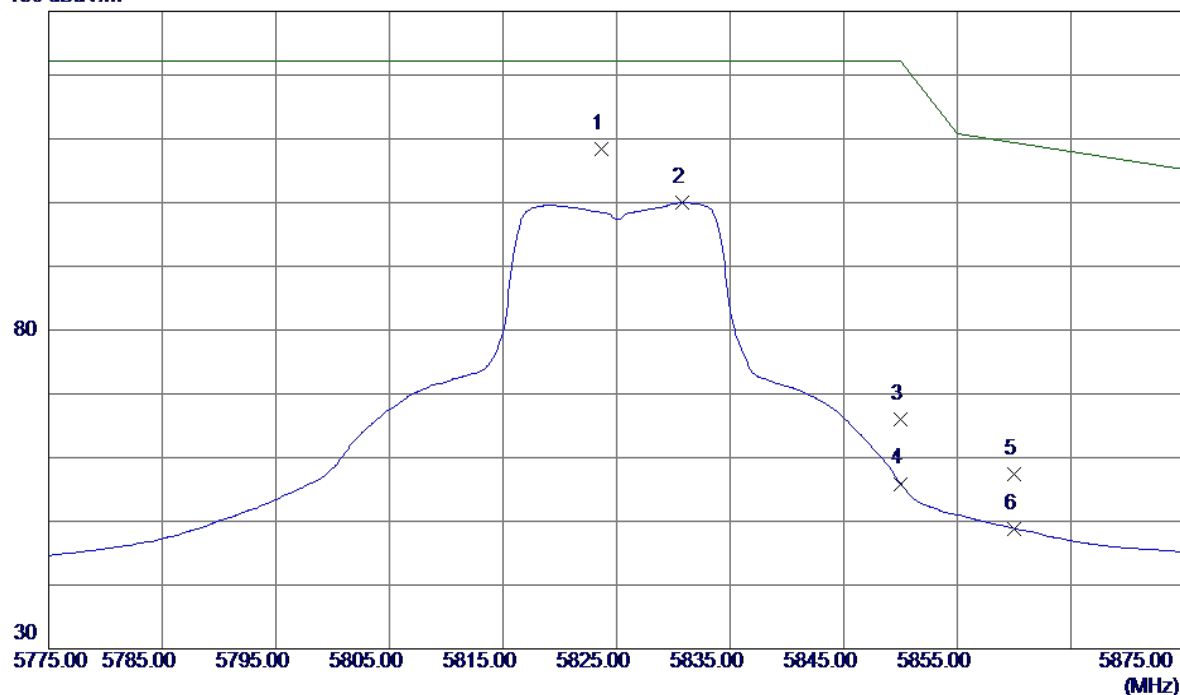


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11569.6000	31.24	17.82	49.06	54.00	-4.94	AVG	
2	11570.4500	42.12	17.82	59.94	74.00	-14.06	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5825MHz

### Vertical

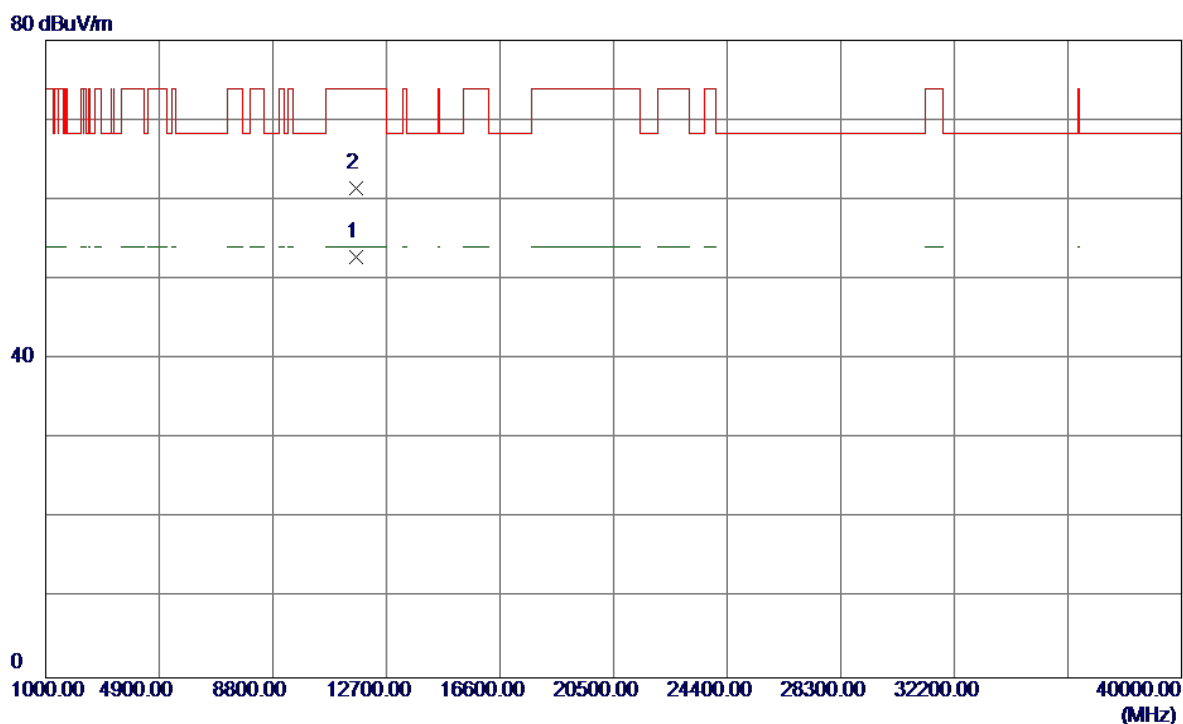
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5823.7000	64.62	43.86	108.48	122.20	-13.72	Peak	
2	5830.8000	56.08	43.88	99.96	122.20	-22.24	AVG	
3	5850.0000	22.12	43.94	66.06	122.20	-56.14	Peak	
4	5850.0000	11.96	43.94	55.90	122.20	-66.30	AVG	
5	5860.0000	13.34	43.97	57.31	109.40	-52.09	Peak	
6	5860.0000	4.89	43.97	48.86	109.40	-60.54	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5825MHz

### Vertical

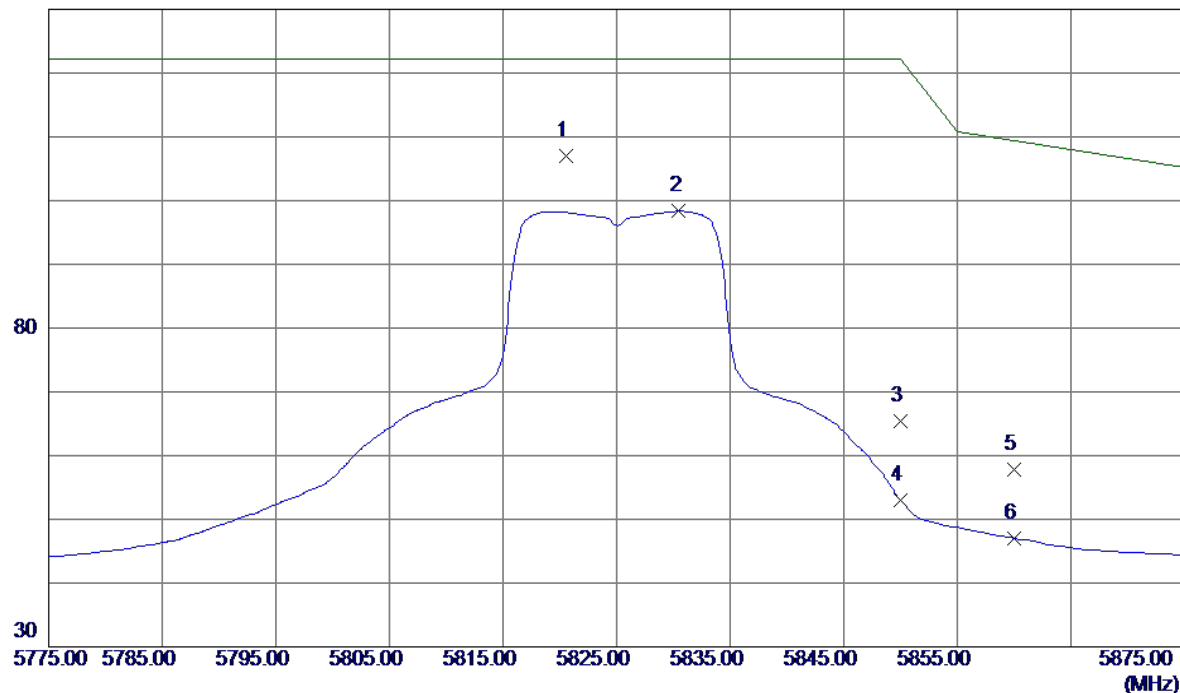


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11649.5800	34.89	17.86	52.75	54.00	-1.25	AVG	
2	11656.0199	43.64	17.86	61.50	74.00	-12.50	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5825MHz

### Horizontal

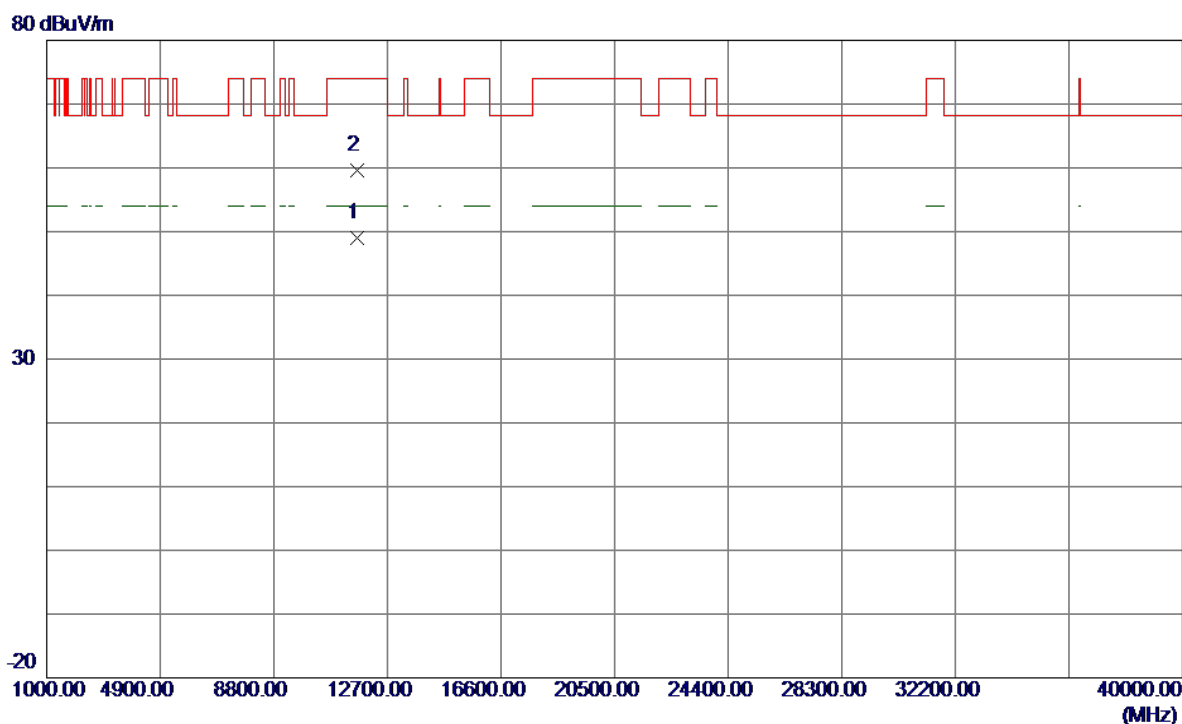
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5820.6000	63.08	43.85	106.93	122.20	-15.27	Peak	
2	5830.5000	54.45	43.88	98.33	122.20	-23.87	AVG	
3	5850.0000	21.38	43.94	65.32	122.20	-56.88	Peak	
4	5850.0000	9.05	43.94	52.99	122.20	-69.21	AVG	
5	5860.0000	13.87	43.97	57.84	109.40	-51.56	Peak	
6	5860.0000	3.05	43.97	47.02	109.40	-62.38	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5825MHz

### Horizontal



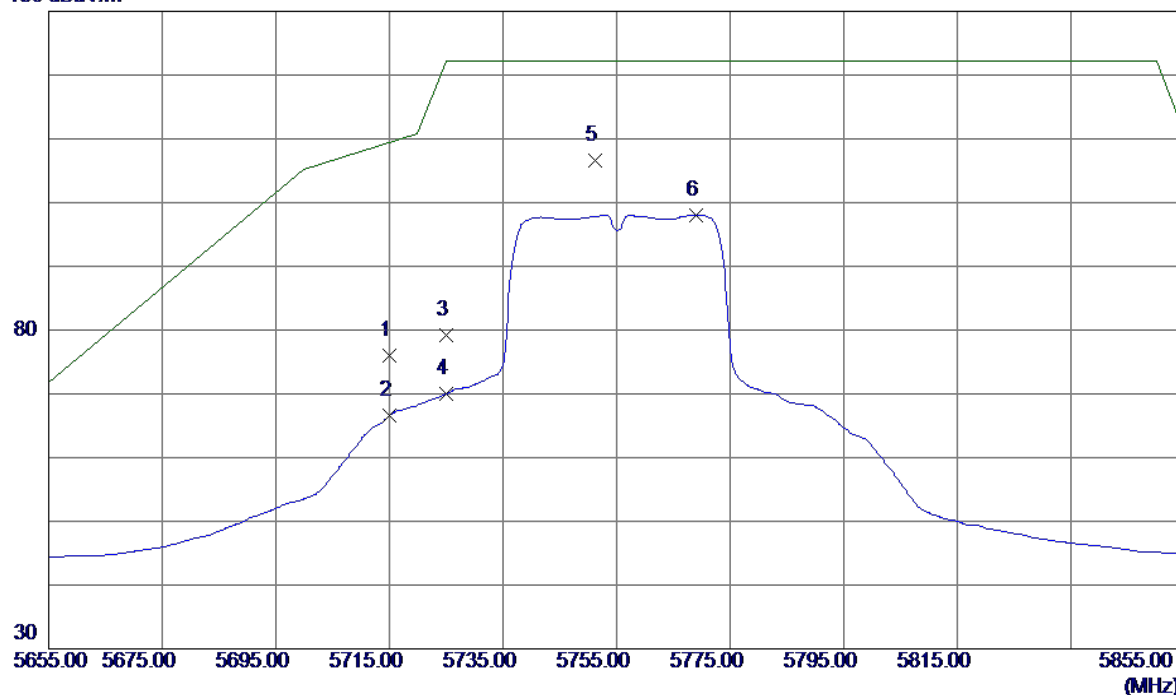
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11649.1000	31.17	17.86	49.03	54.00	-4.97	AVG	
2	11652.4000	41.76	17.86	59.62	74.00	-14.38	Peak	



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

# Vertical

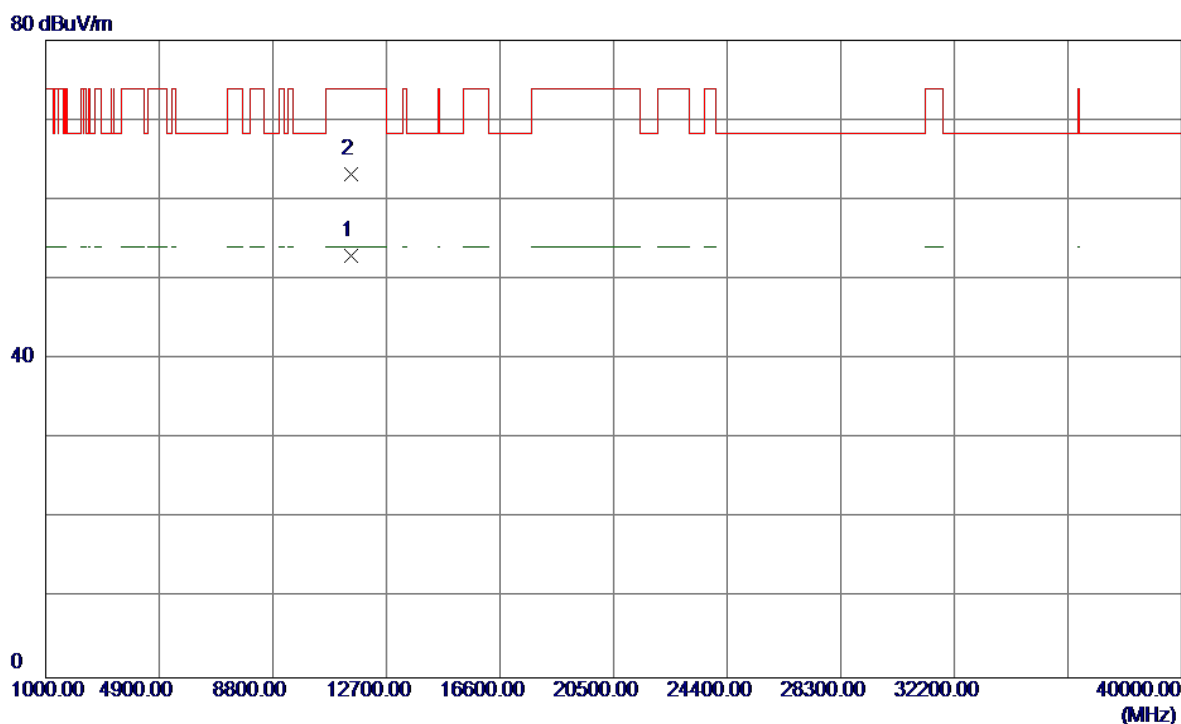
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	32.50	43.53	76.03	109.40	-33.37	Peak	
2	5715.0000	23.05	43.53	66.58	109.40	-42.82	AVG	
3	5725.0000	35.71	43.56	79.27	122.20	-42.93	Peak	
4	5725.0000	26.45	43.56	70.01	122.20	-52.19	AVG	
5 *	5751.2000	62.91	43.64	106.55	122.20	-15.65	Peak	
6	5769.0000	54.35	43.69	98.04	122.20	-24.16	AVG	

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

### Vertical

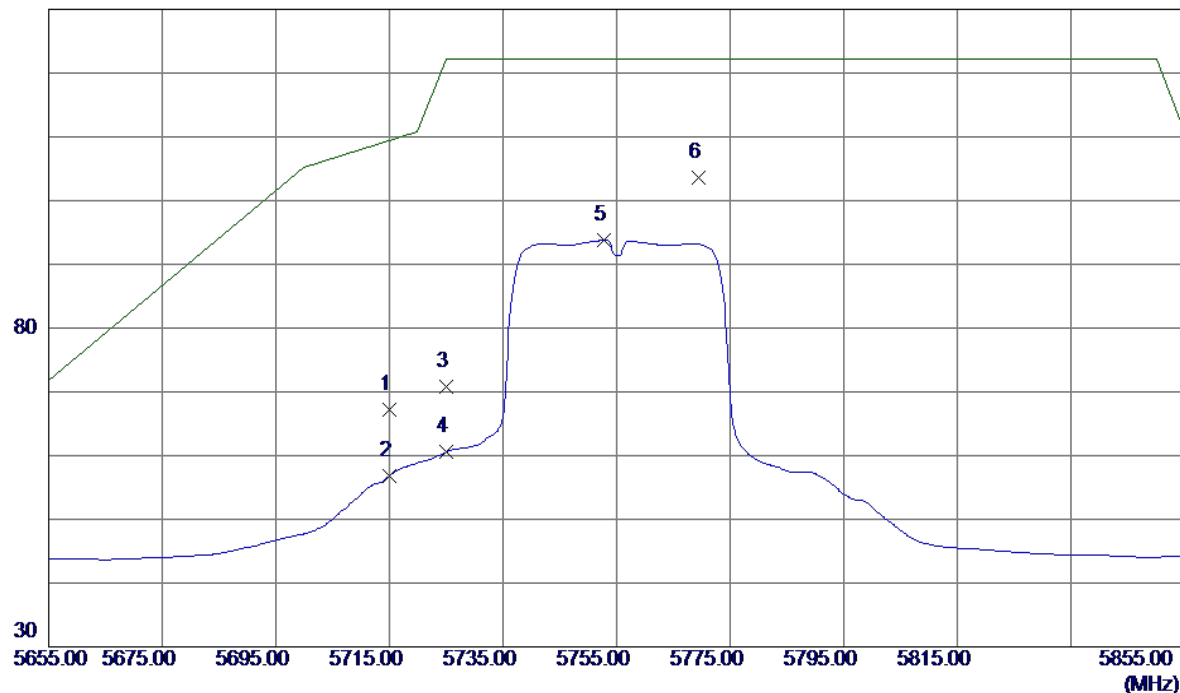


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11505.4500	35.24	17.79	53.03	54.00	-0.97	AVG	
2	11506.5500	45.36	17.79	63.15	74.00	-10.85	Peak	

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

### Horizontal

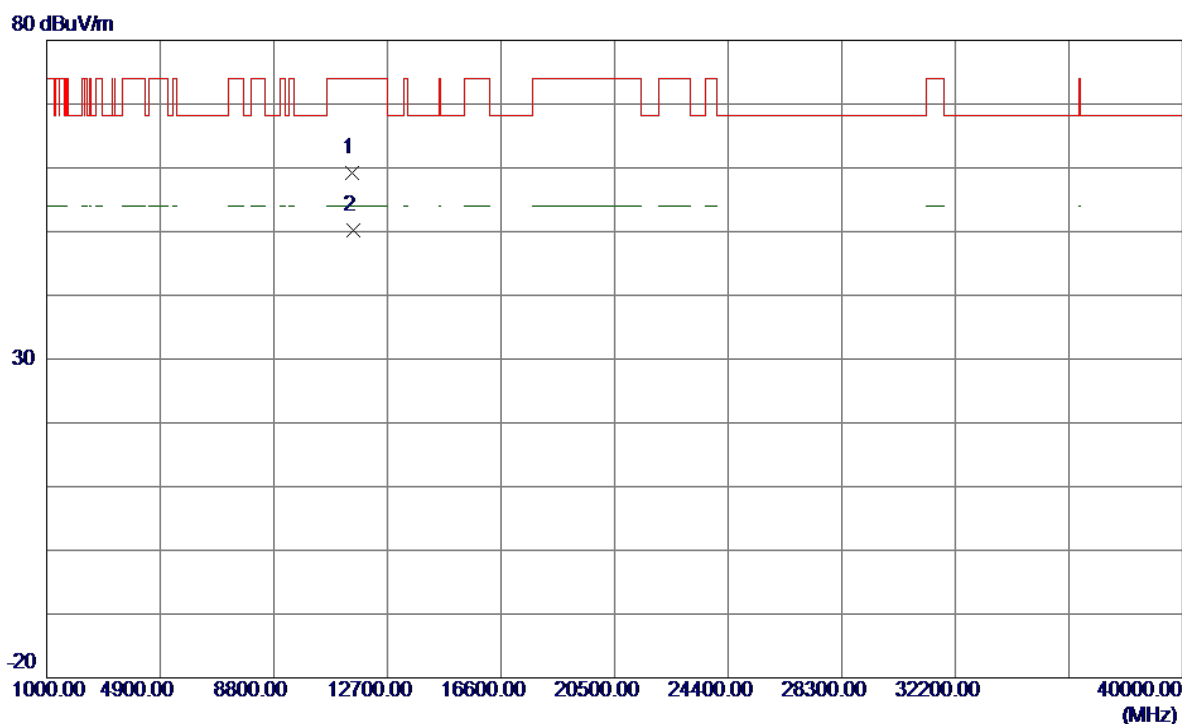
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	23.58	43.53	67.11	109.40	-42.29	Peak	
2	5715.0000	13.31	43.53	56.84	109.40	-52.56	AVG	
3	5725.0000	27.32	43.56	70.88	122.20	-51.32	Peak	
4	5725.0000	17.01	43.56	60.57	122.20	-61.63	AVG	
5	5752.8000	50.16	43.64	93.80	122.20	-28.40	AVG	
6 *	5769.4000	59.87	43.69	103.56	122.20	-18.64	Peak	

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

### Horizontal

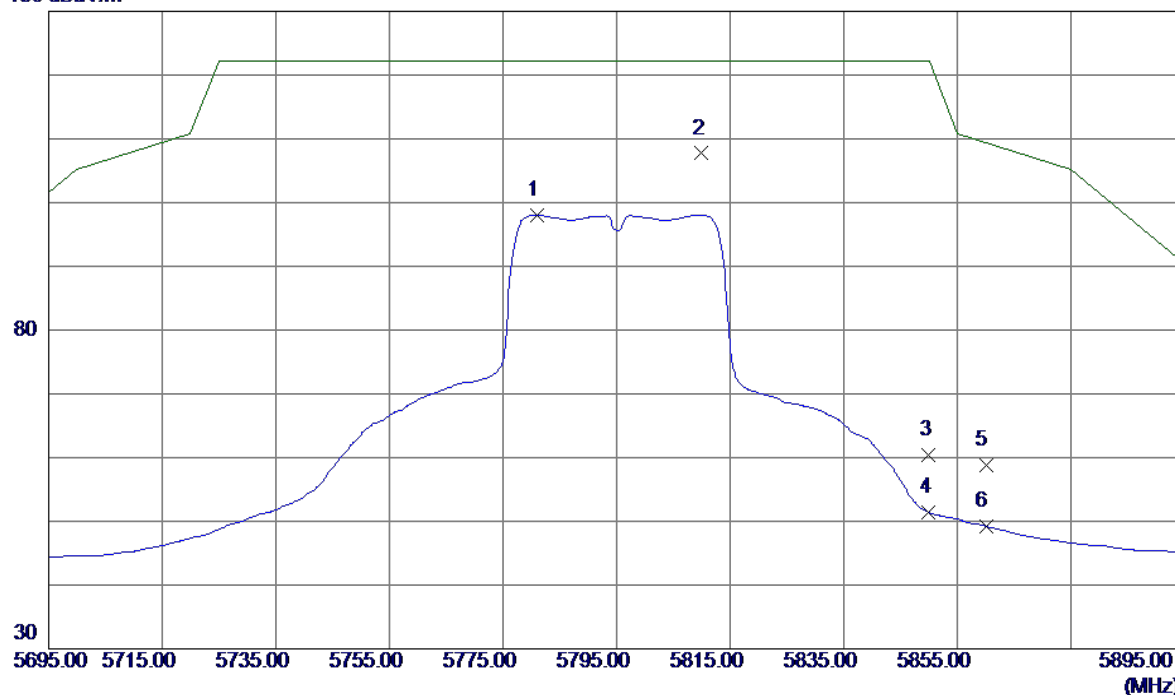


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11505.8000	41.49	17.79	59.28	74.00	-14.72	Peak	
2 *	11509.2000	32.47	17.79	50.26	54.00	-3.74	AVG	

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

### Vertical

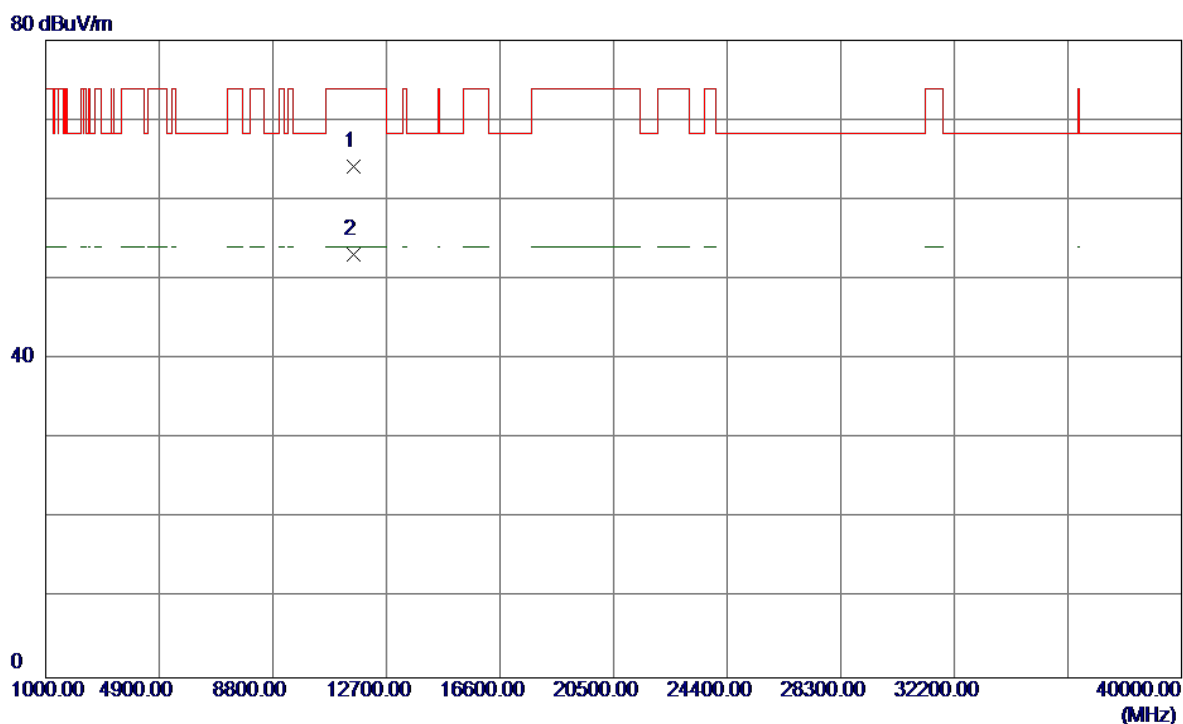
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5781.0000	54.37	43.73	98.10	122.20	-24.10	AVG	
2 *	5810.0000	63.88	43.82	107.70	122.20	-14.50	Peak	
3	5850.0000	16.44	43.94	60.38	122.20	-61.82	Peak	
4	5850.0000	7.43	43.94	51.37	122.20	-70.83	AVG	
5	5860.0000	14.76	43.97	58.73	109.40	-50.67	Peak	
6	5860.0000	5.26	43.97	49.23	109.40	-60.17	AVG	

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

### Vertical

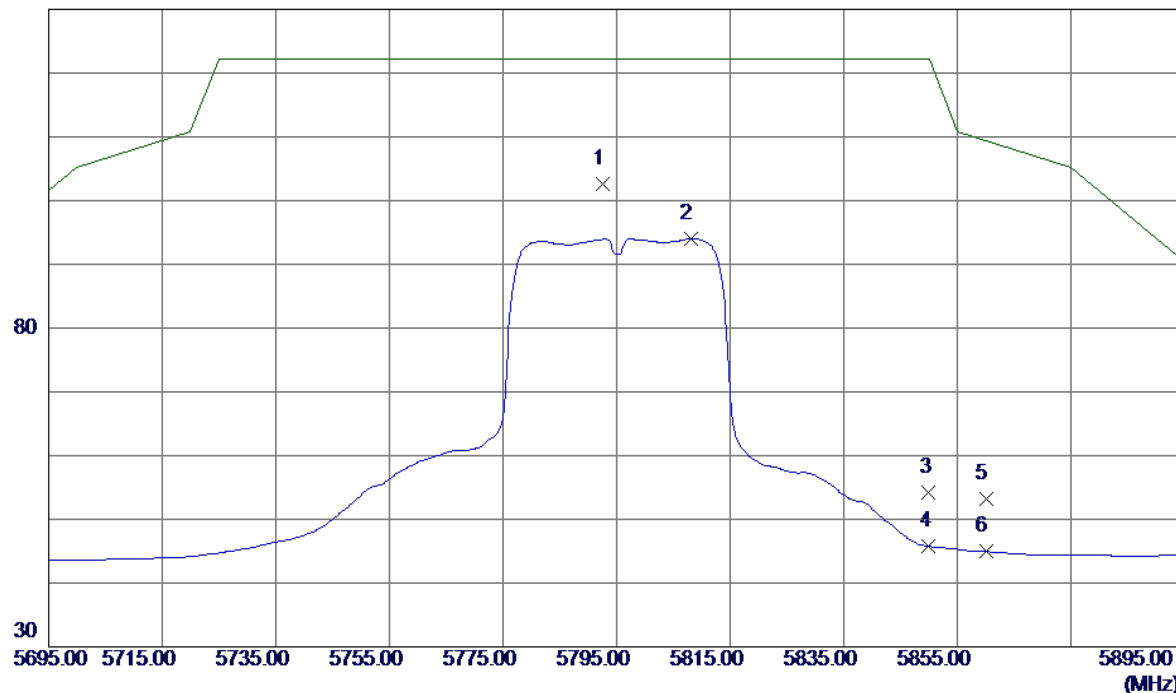


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11583.3400	46.36	17.83	64.19	74.00	-9.81	Peak	
2 *	11589.4000	35.23	17.83	53.06	54.00	-0.94	AVG	

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

### Horizontal

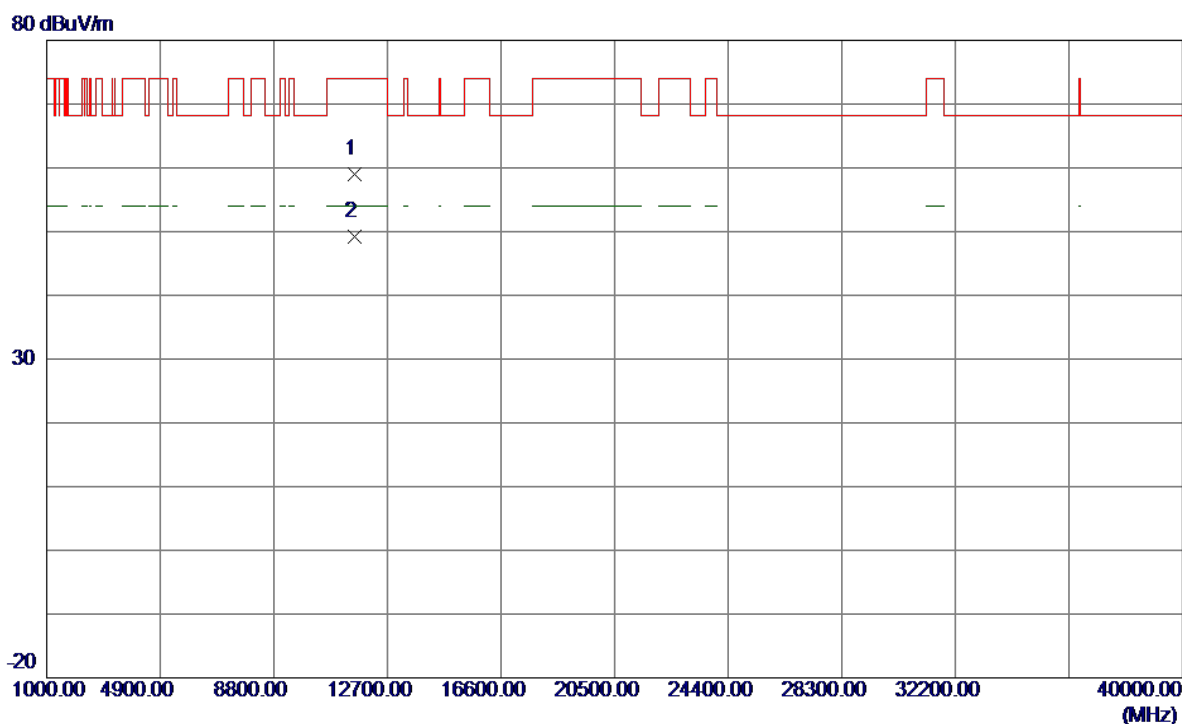
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5792.6000	58.77	43.76	102.53	122.20	-19.67	Peak	
2	5808.0000	50.21	43.81	94.02	122.20	-28.18	AVG	
3	5850.0000	10.24	43.94	54.18	122.20	-68.02	Peak	
4	5850.0000	1.83	43.94	45.77	122.20	-76.43	AVG	
5	5860.0000	9.29	43.97	53.26	109.40	-56.14	Peak	
6	5860.0000	0.96	43.97	44.93	109.40	-64.47	AVG	

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

### Horizontal



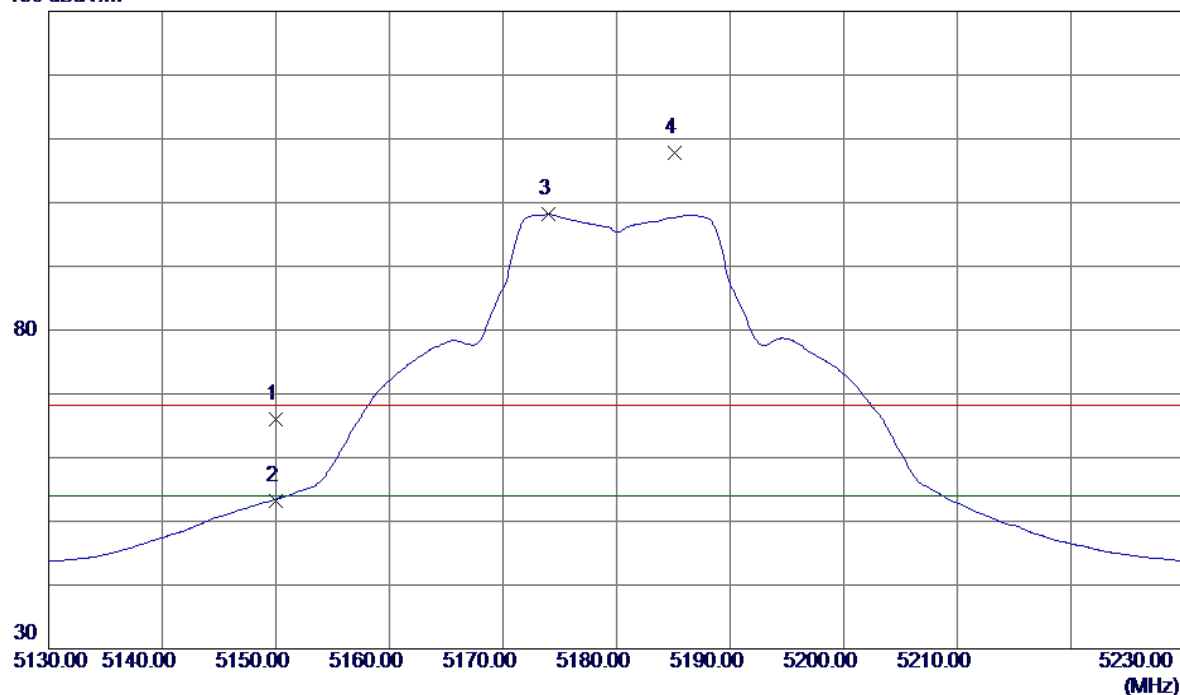
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11585.3000	41.11	17.83	58.94	74.00	-15.06	Peak	
2 *	11589.5000	31.34	17.83	49.17	54.00	-4.83	AVG	



Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5180MHz

### Vertical

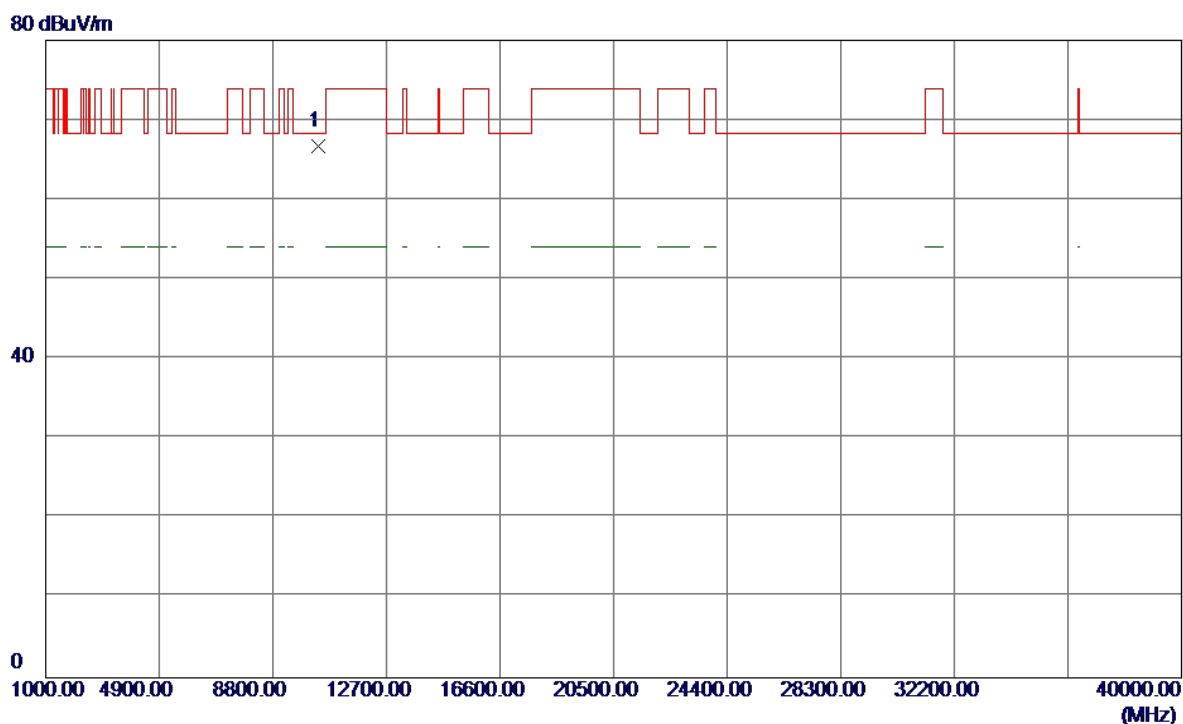
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	24.93	41.10	66.03	68.30	-2.27	Peak	
2	5150.0000	12.08	41.10	53.18	54.00	-0.82	AVG	
3 *	5174.0000	56.91	41.22	98.13	54.00	44.13	AVG	No Limit
4	5185.1000	66.47	41.28	107.75	68.30	39.45	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5180MHz

### Vertical

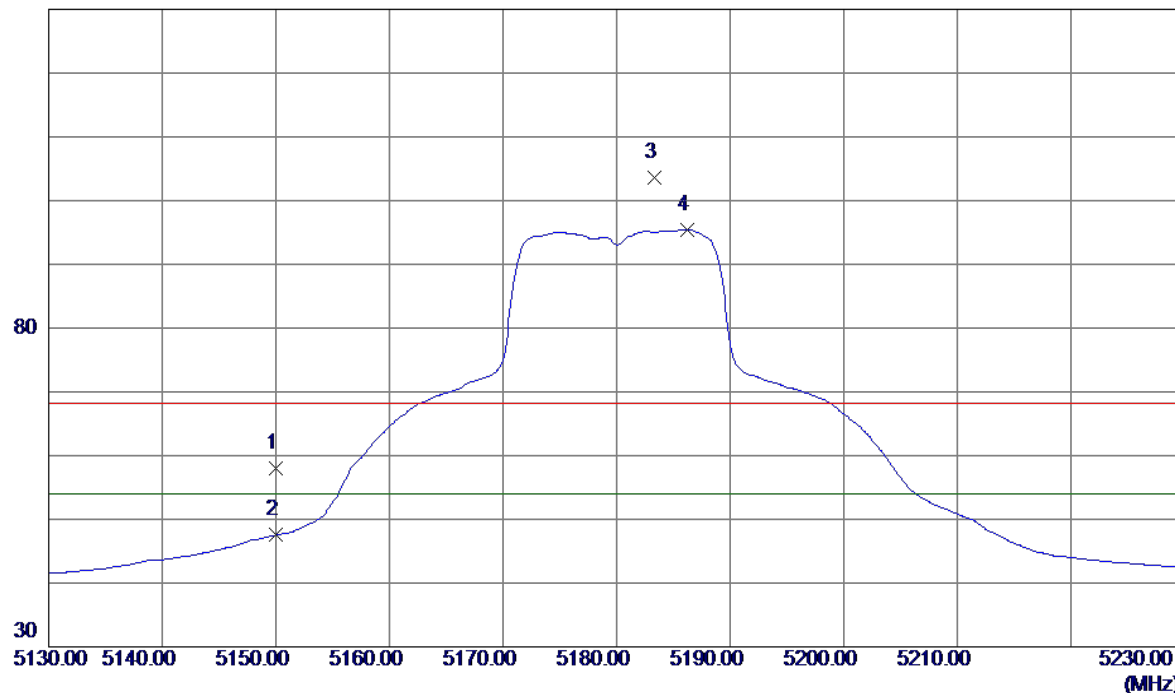


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10361.0599	50.45	16.33	66.78	68.30	-1.52	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5180MHz

### Horizontal

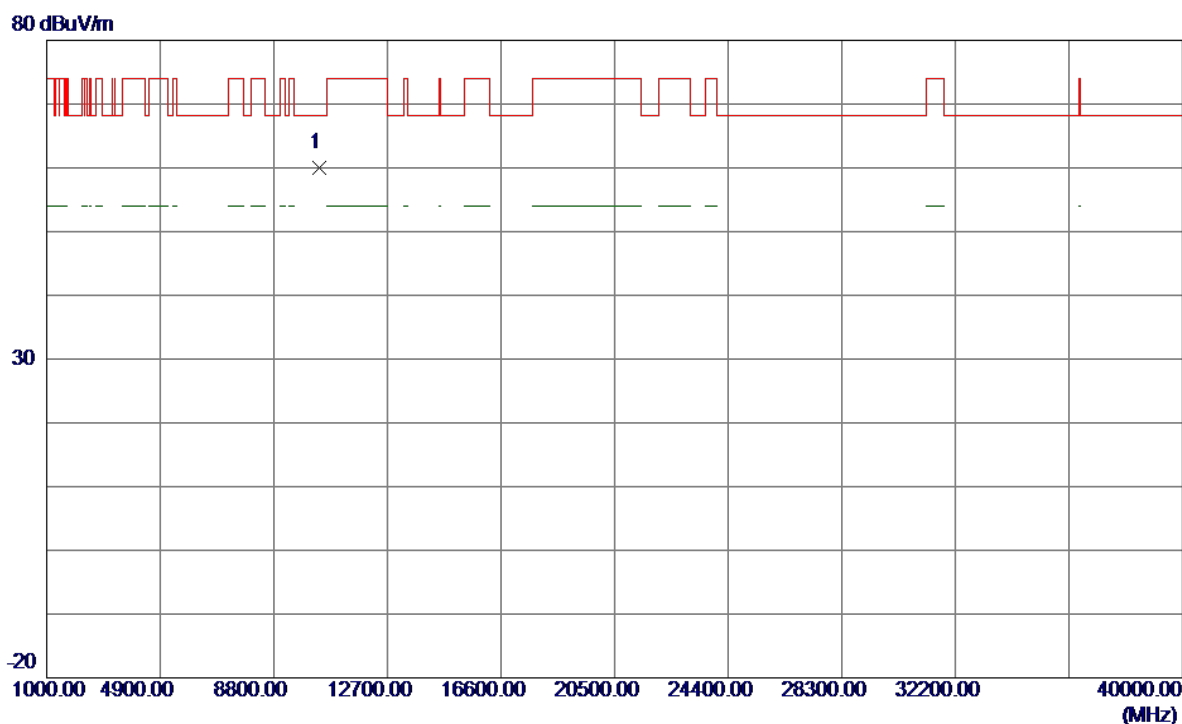
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	16.92	41.10	58.02	68.30	-10.28	Peak	
2	5150.0000	6.43	41.10	47.53	54.00	-6.47	AVG	
3	5183.3000	62.40	41.27	103.67	68.30	35.37	Peak	No Limit
4 *	5186.2000	54.10	41.29	95.39	54.00	41.39	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5180MHz

### Horizontal

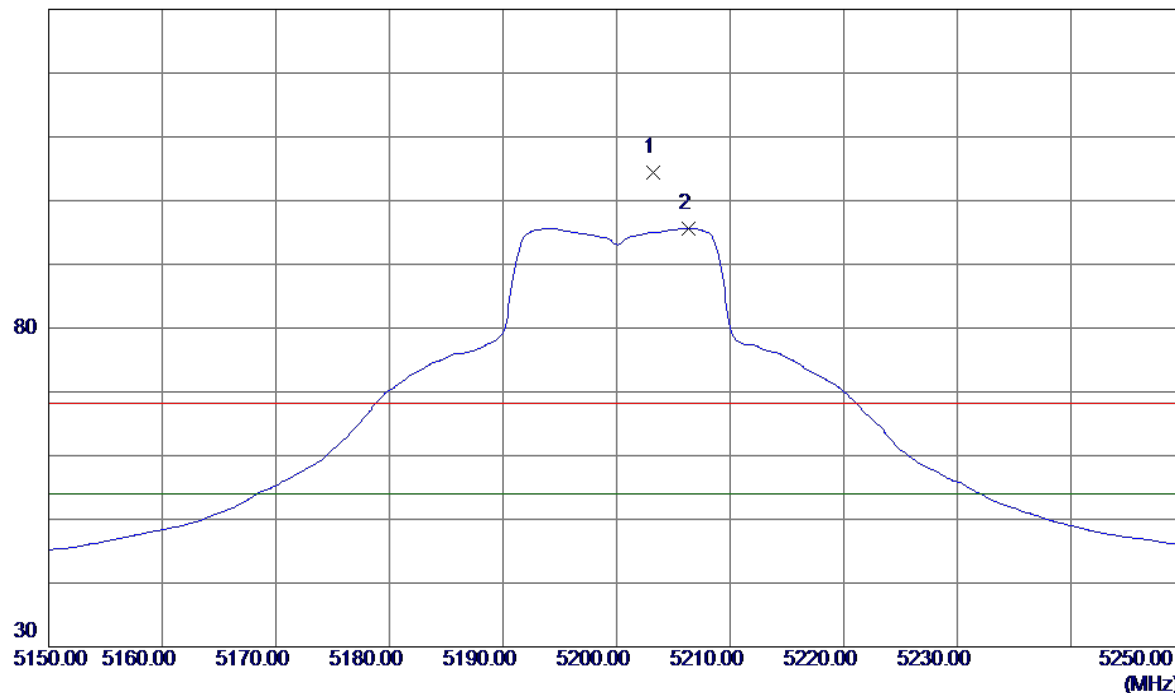


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.5000	43.64	16.33	59.97	68.30	-8.33	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5200MHz

### Vertical

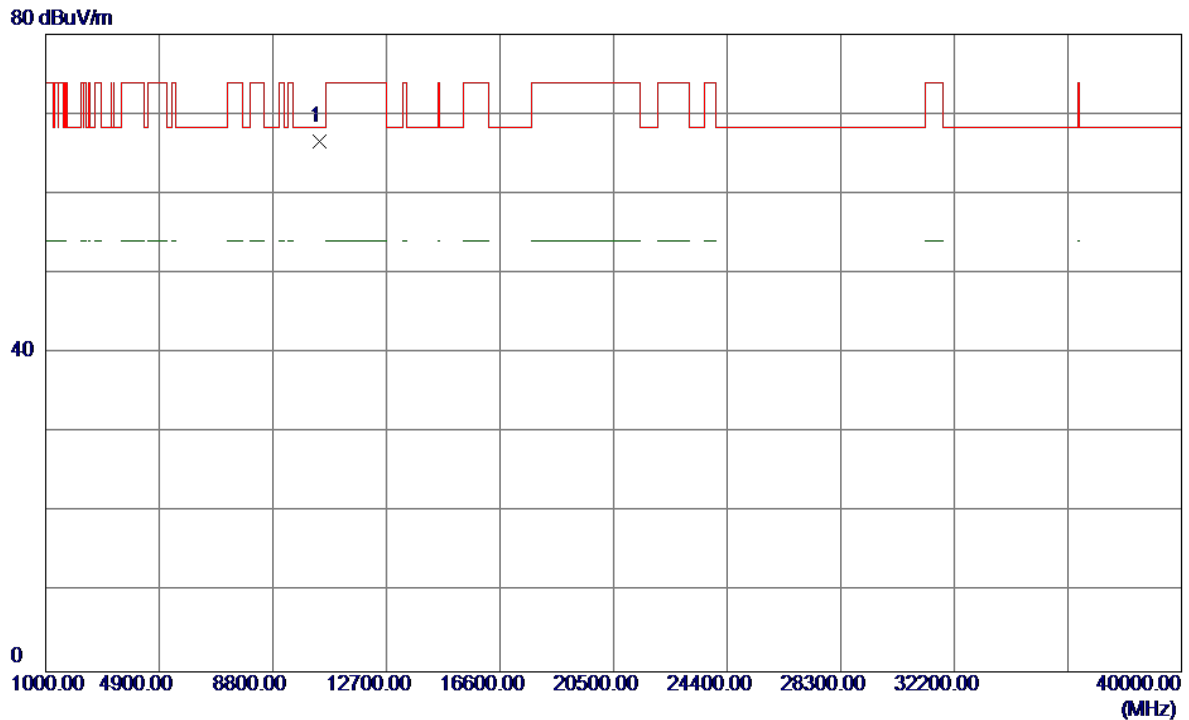
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5203.2000	63.07	41.37	104.44	68.30	36.14	Peak	No Limit
2 *	5206.3000	54.28	41.39	95.67	54.00	41.67	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5200MHz

### Vertical

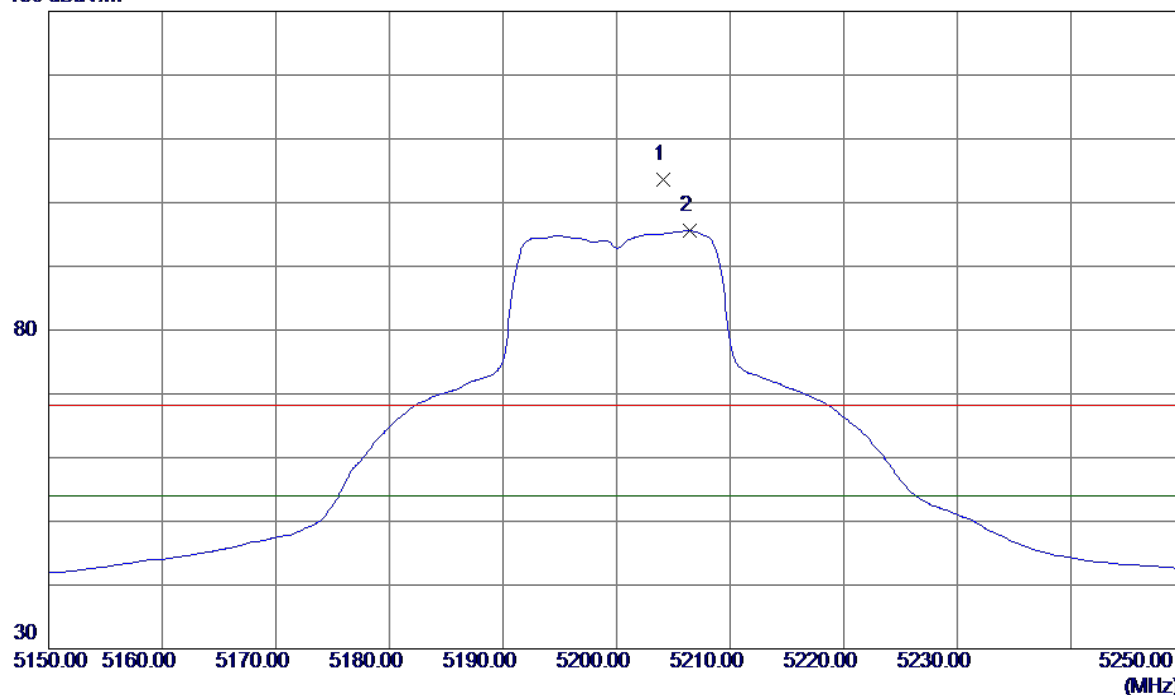


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10401.1400	50.10	16.44	66.54	68.30	-1.76	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5200MHz

### Horizontal

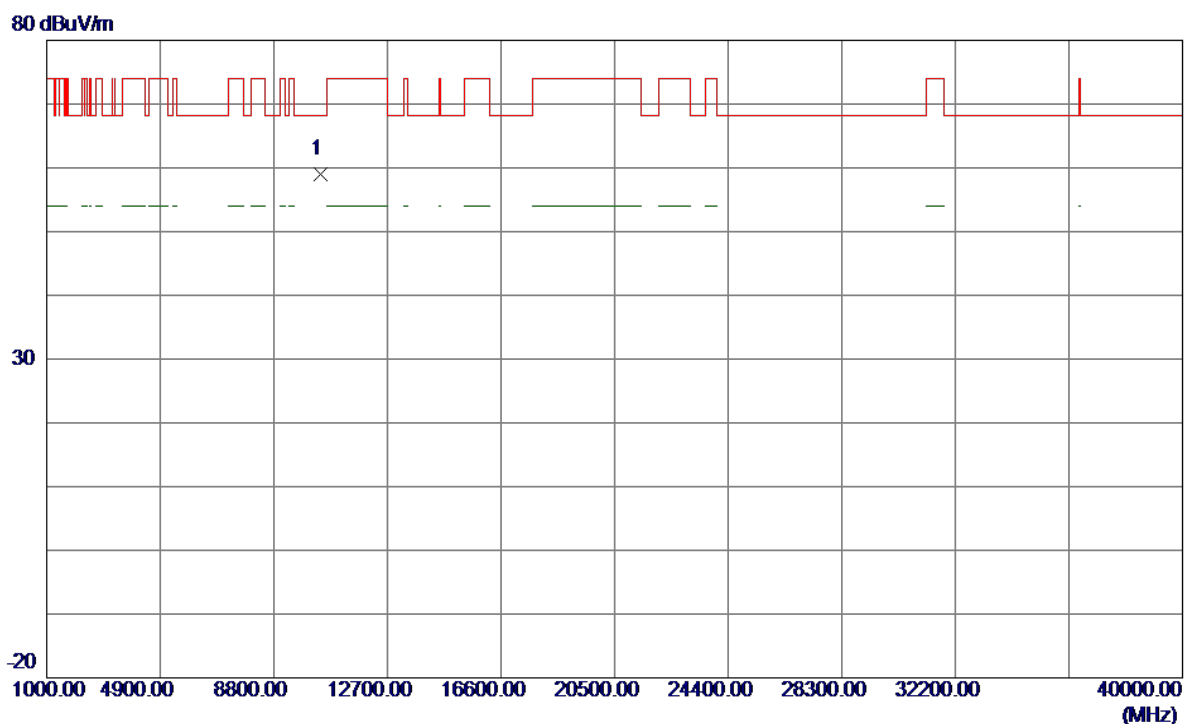
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5204.1000	62.31	41.38	103.69	68.30	35.39	Peak	No Limit
2 *	5206.4000	54.19	41.39	95.58	54.00	41.58	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5200MHz

### Horizontal

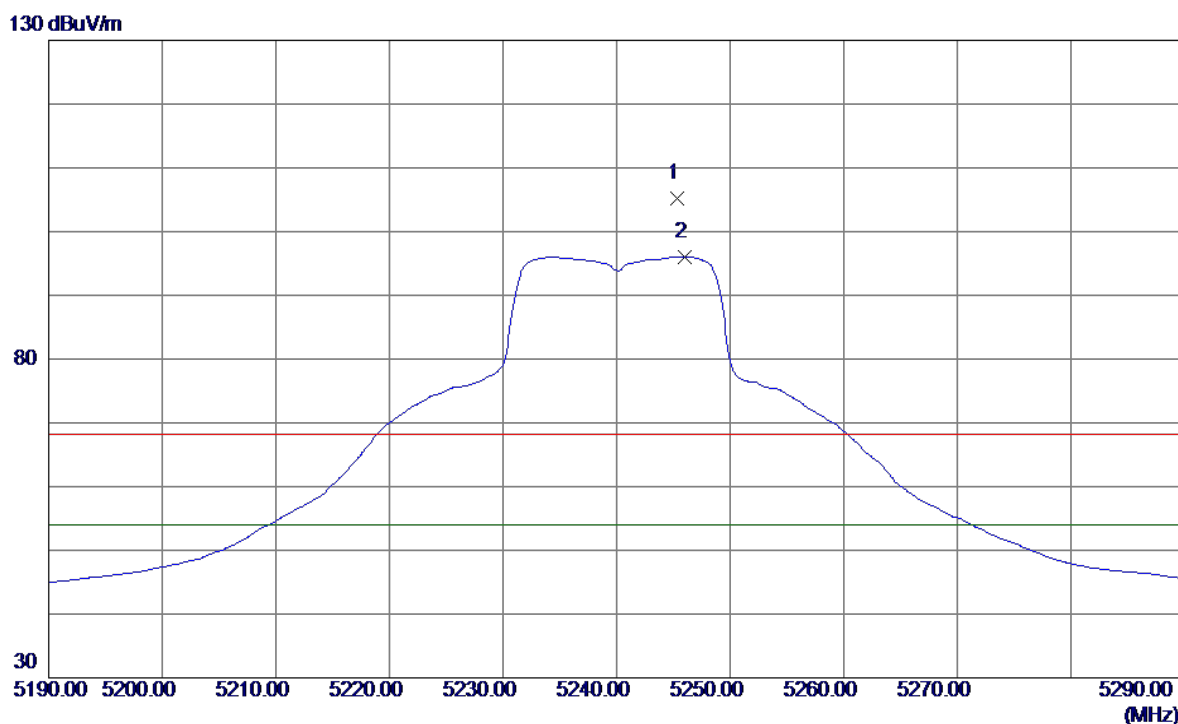


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10400.3500	42.60	16.44	59.04	68.30	-9.26	Peak	



Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5240MHz

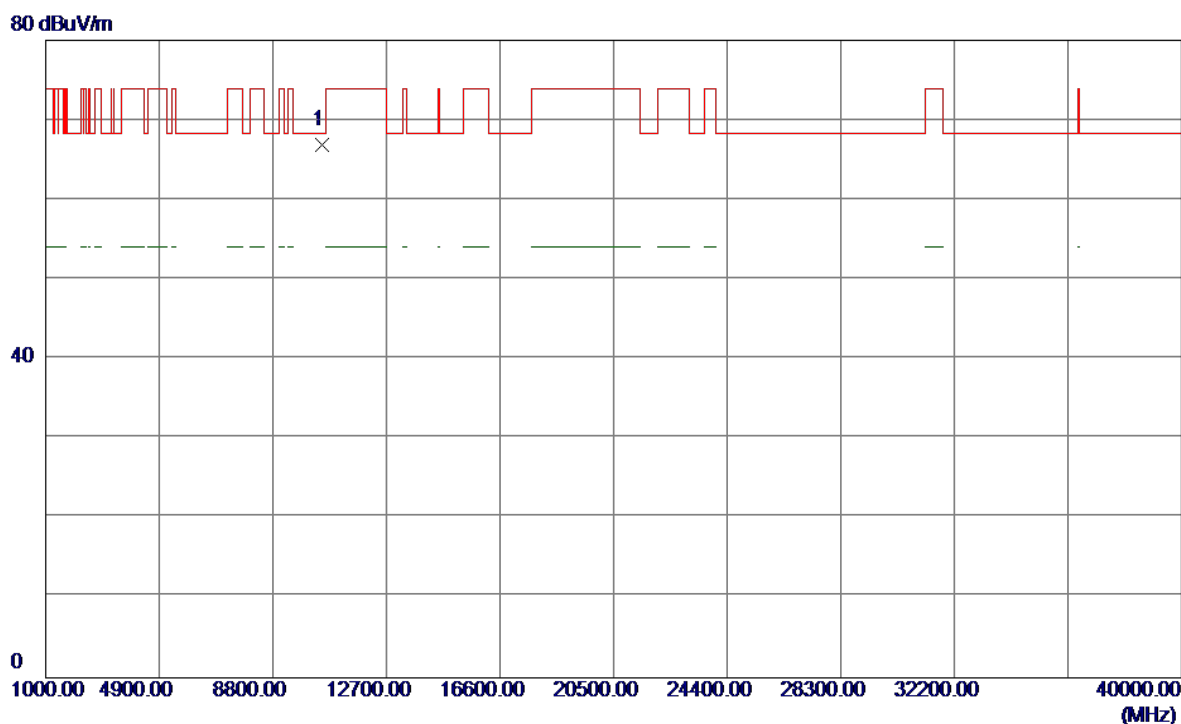
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5245.3000	63.60	41.59	105.19	68.30	36.89	Peak	No Limit
2 *	5246.0000	54.47	41.59	96.06	54.00	42.06	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5240MHz

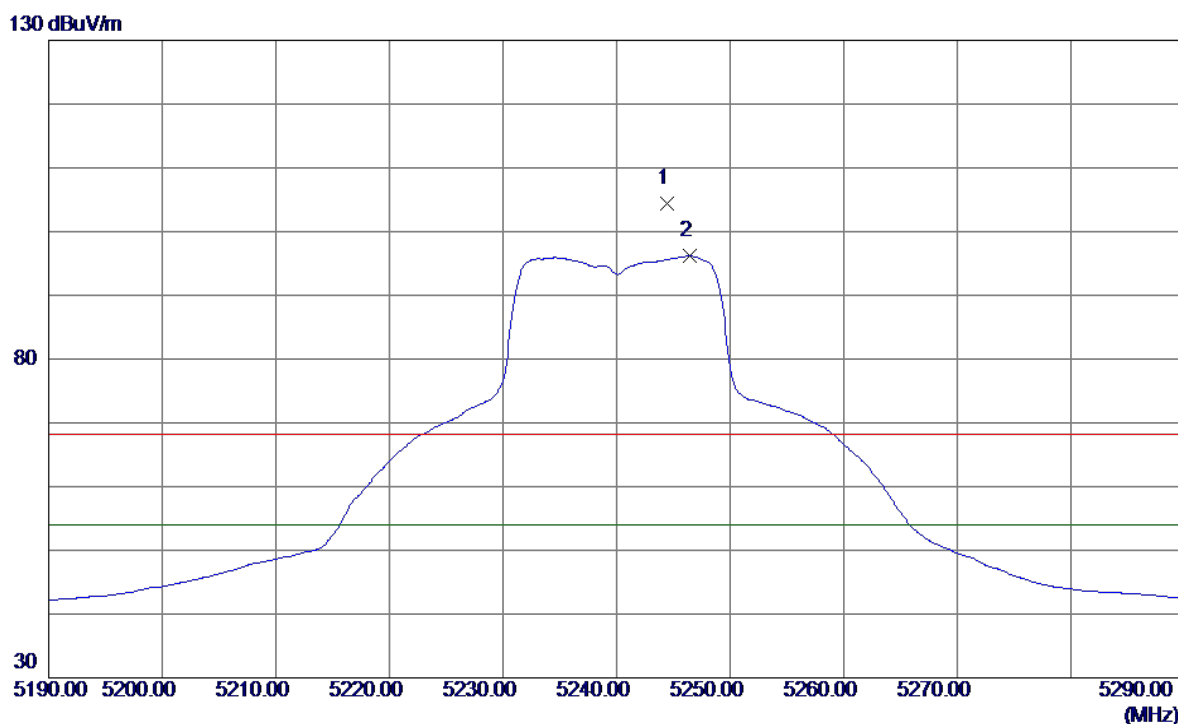
### Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10480.7000	50.17	16.65	66.82	68.30	-1.48	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5240MHz

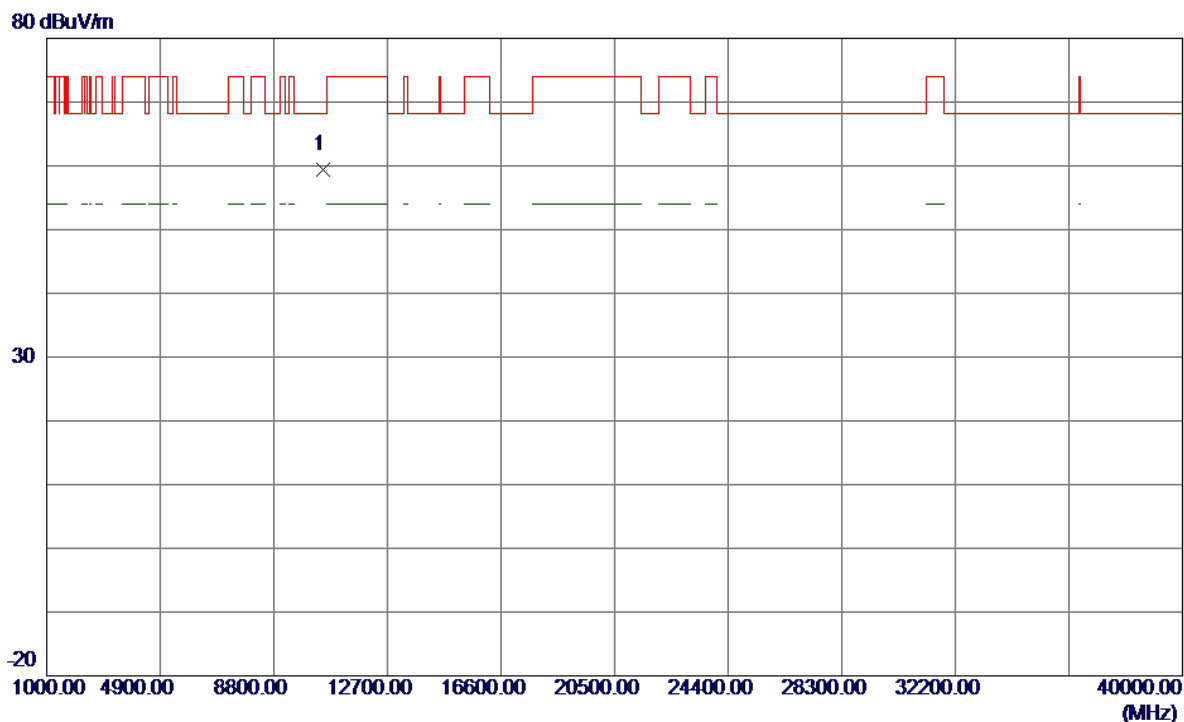
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5244.4000	62.77	41.58	104.35	68.30	36.05	Peak	No Limit
2 *	5246.4000	54.56	41.59	96.15	54.00	42.15	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5240MHz

### Horizontal

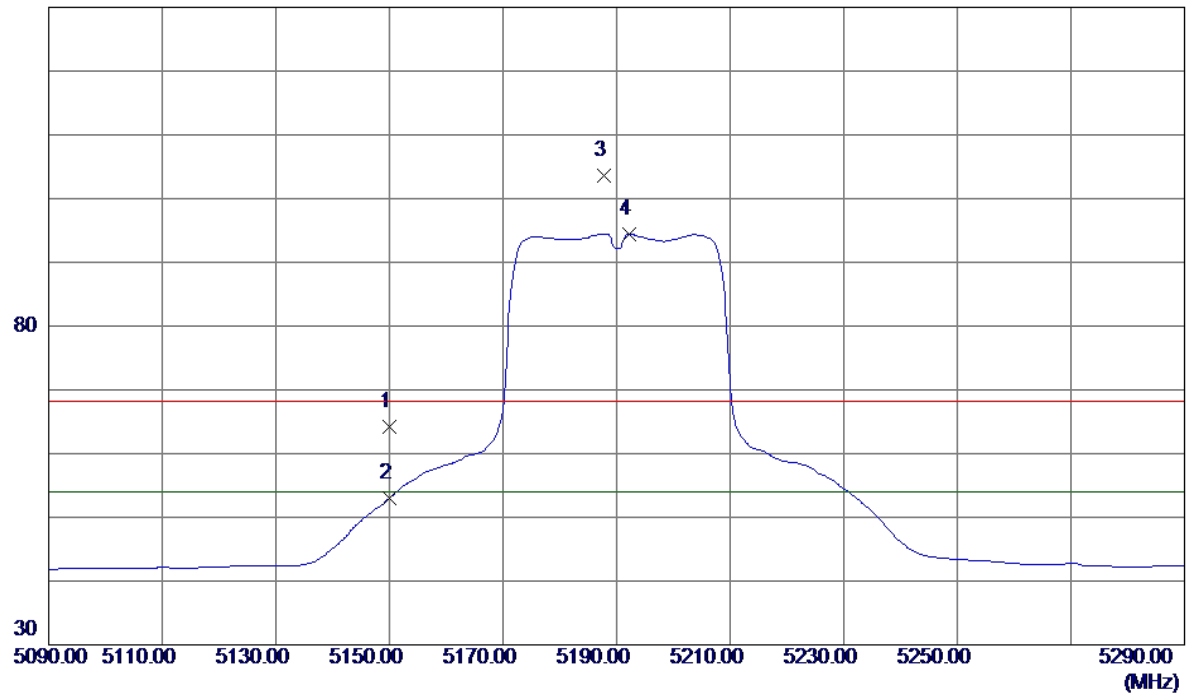


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10477.9500	42.66	16.65	59.31	68.30	-8.99	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

### Vertical

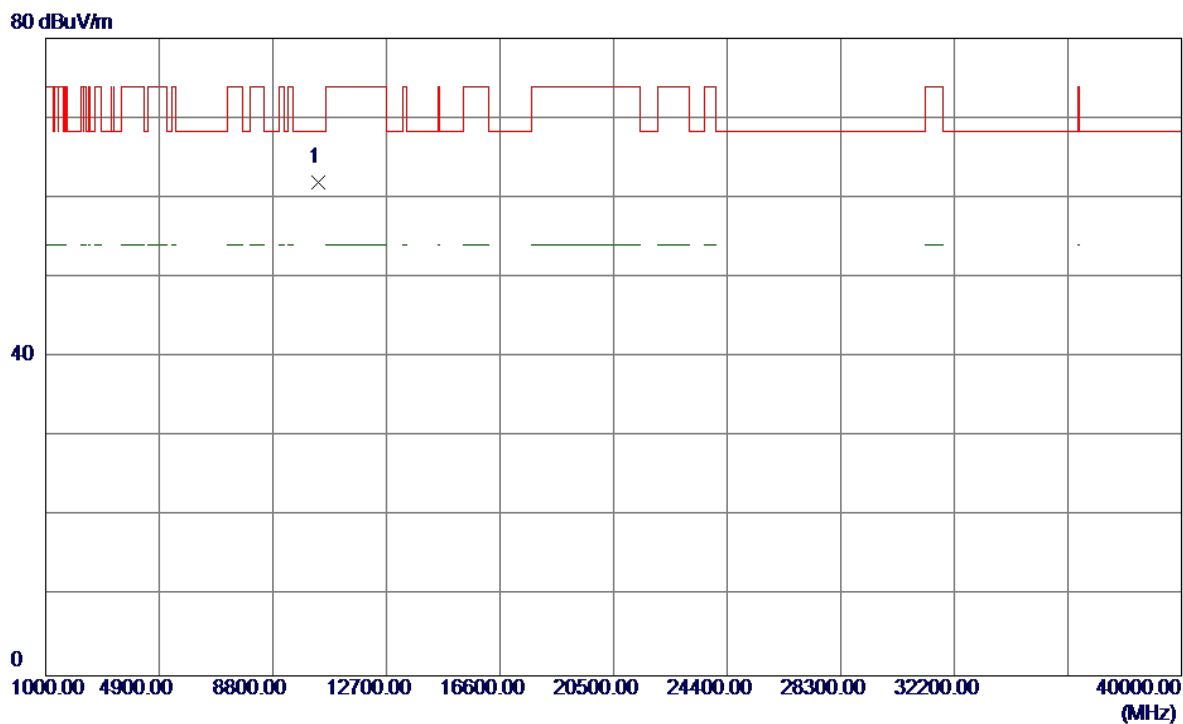
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.12	41.10	64.22	68.30	-4.08	Peak	
2	5150.0000	11.91	41.10	53.01	54.00	-0.99	AVG	
3	5187.8000	62.25	41.29	103.54	68.30	35.24	Peak	No Limit
4 *	5192.2000	53.15	41.32	94.47	54.00	40.47	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

### Vertical

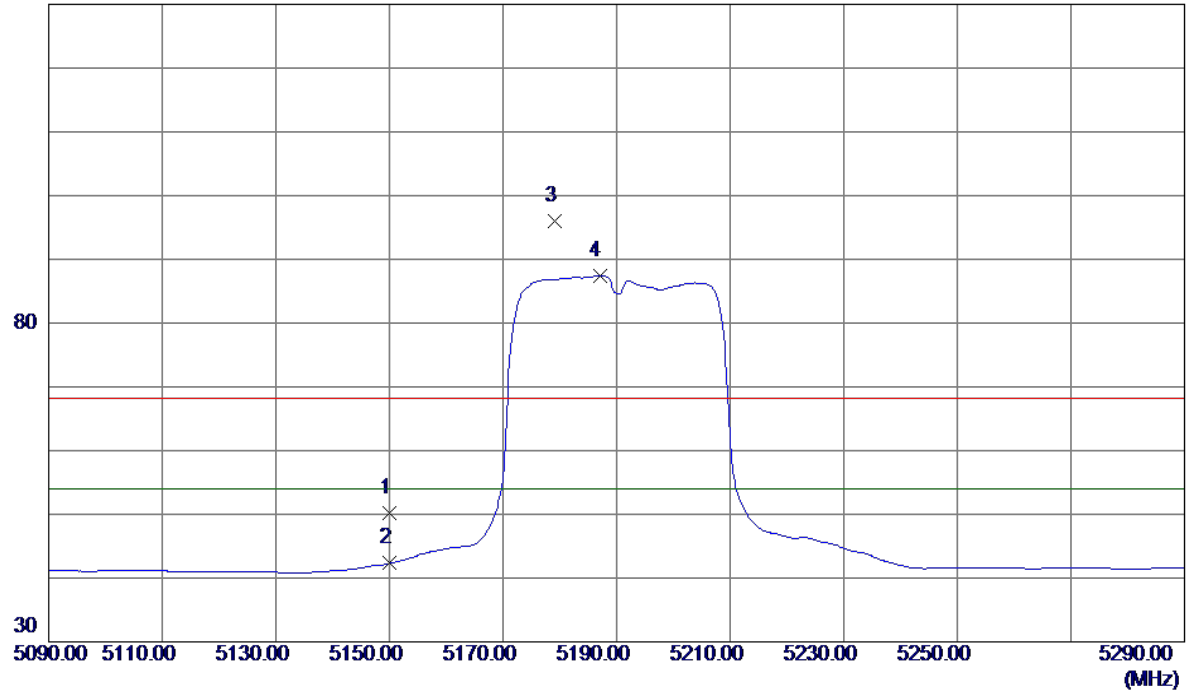


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10372.6500	45.50	16.36	61.86	68.30	-6.44	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

### Horizontal

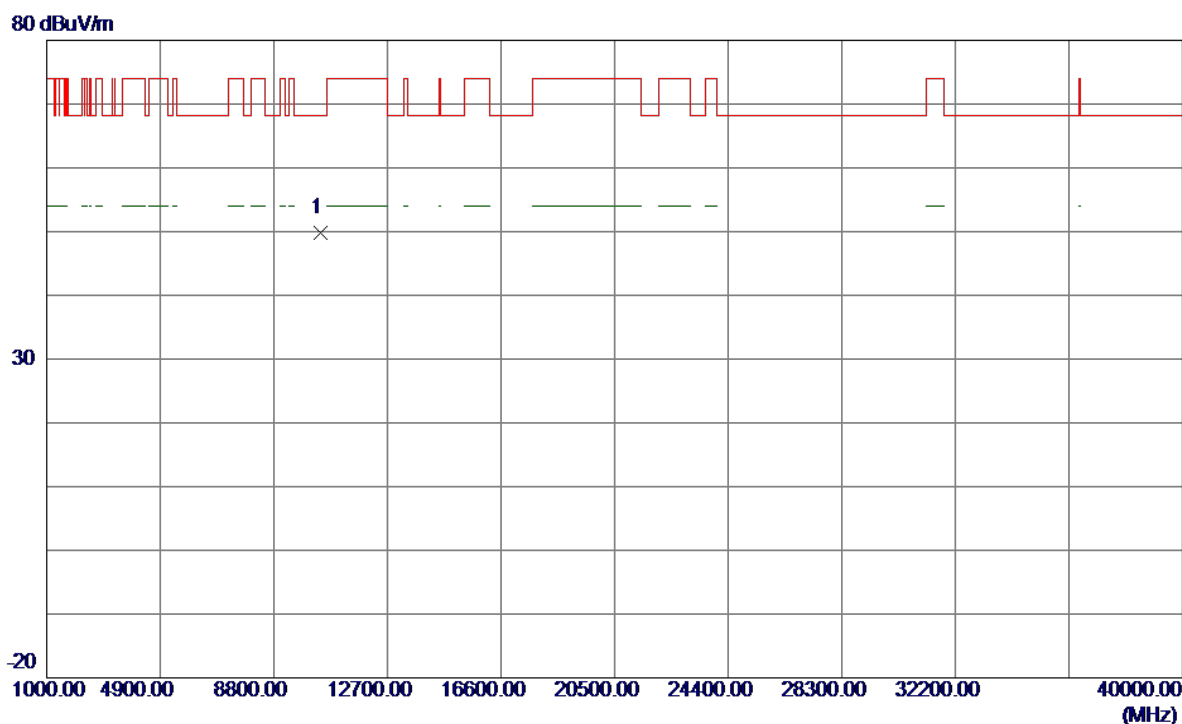
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	9.07	41.10	50.17	68.30	-18.13	Peak	
2	5150.0000	1.21	41.10	42.31	54.00	-11.69	AVG	
3	5179.2000	54.69	41.25	95.94	68.30	27.64	Peak	No Limit
4 *	5187.0000	46.09	41.29	87.38	54.00	33.38	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

### Horizontal



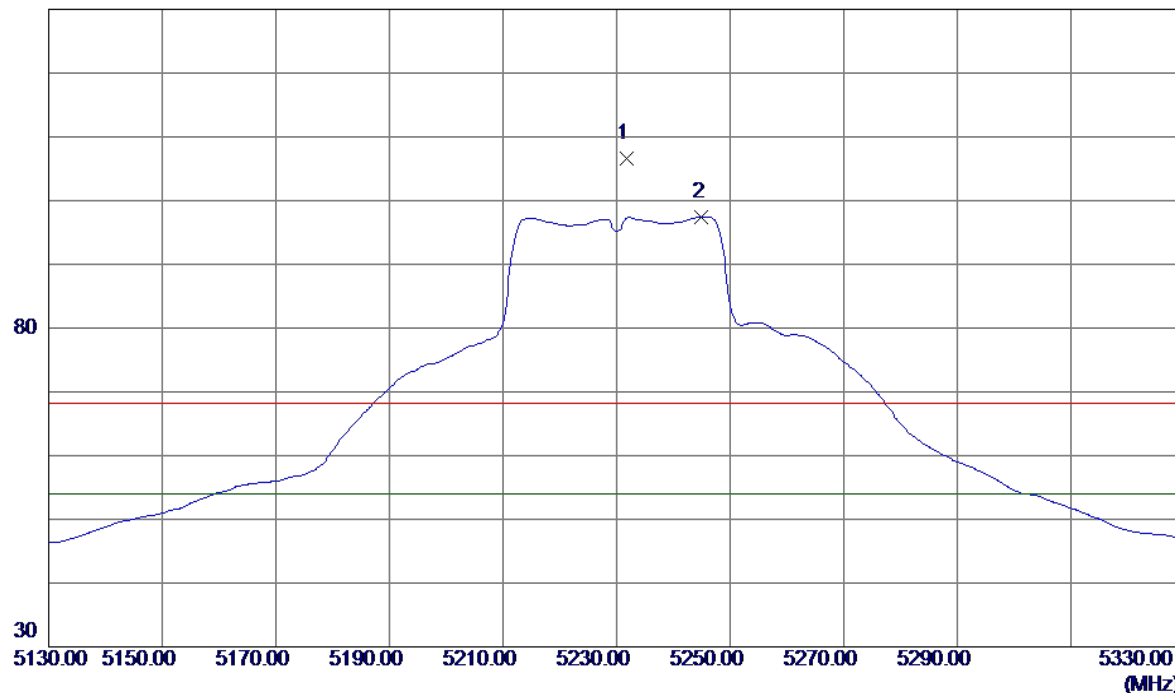
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10391.4000	33.40	16.41	49.81	68.30	-18.49	Peak	



Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

### Vertical

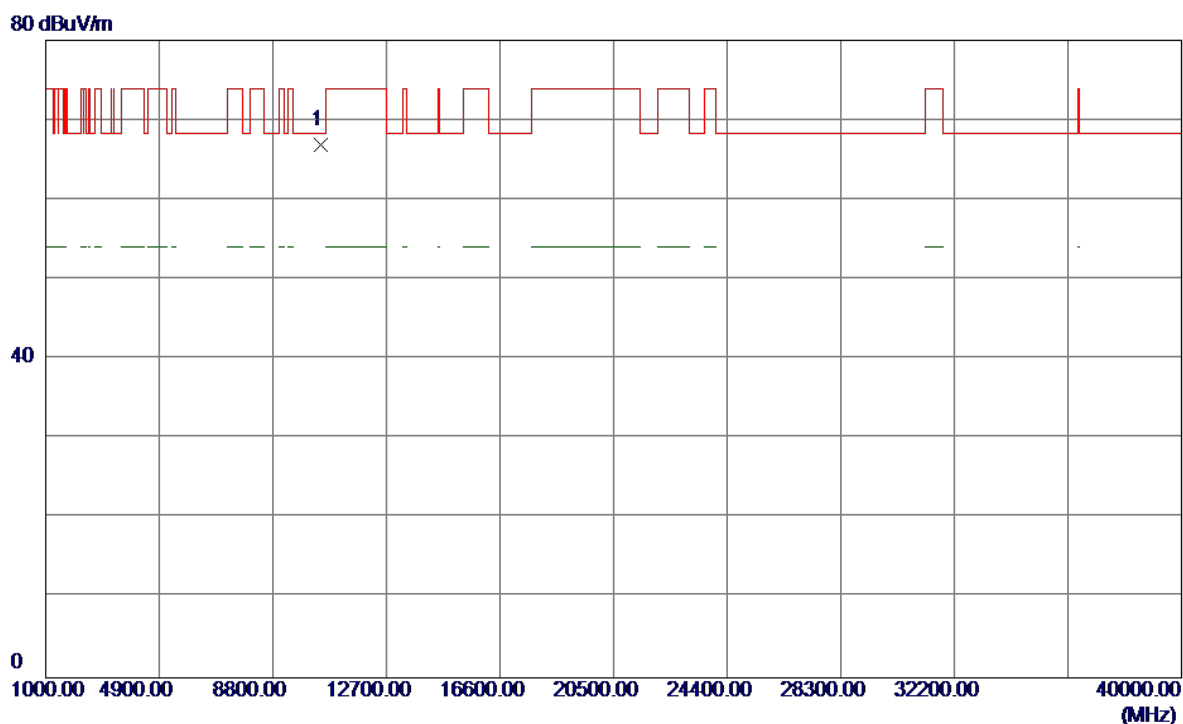
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5231.8000	64.99	41.52	106.51	68.30	38.21	Peak	No Limit
2 *	5245.0000	55.84	41.58	97.42	54.00	43.42	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

### Vertical

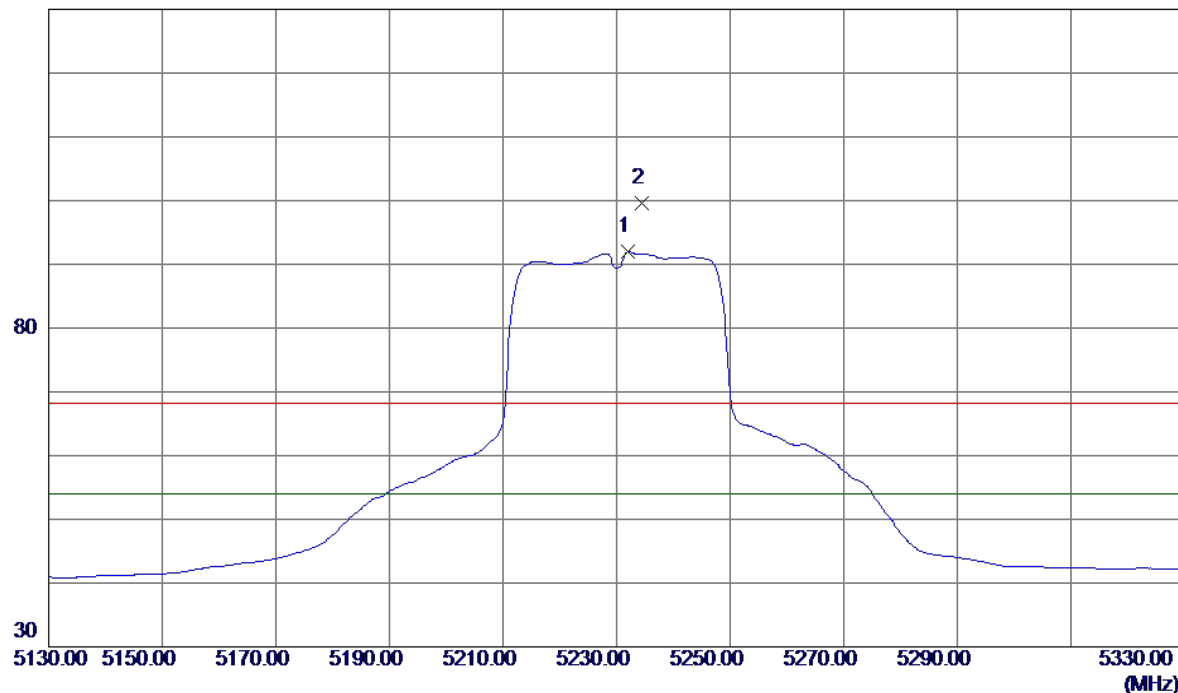


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10461.3500	50.23	16.60	66.83	68.30	-1.47	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

### Horizontal

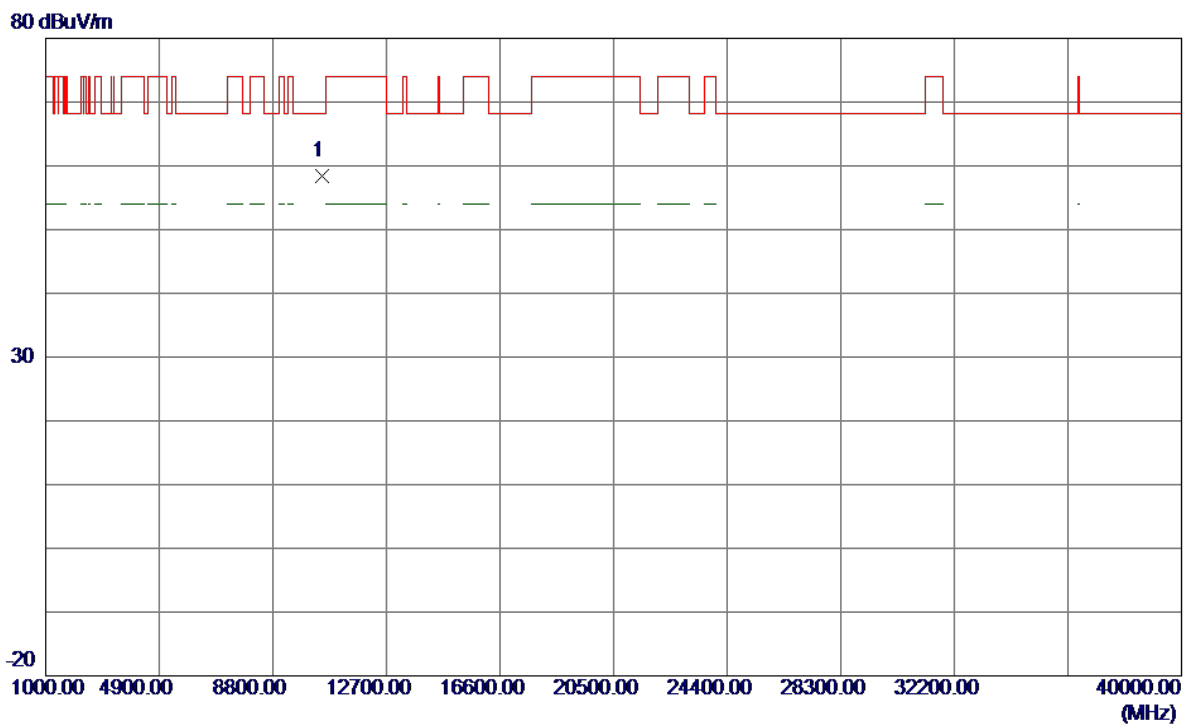
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5232.0000	50.45	41.52	91.97	54.00	37.97	AVG	No Limit
2	5234.4000	58.15	41.53	99.68	68.30	31.38	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

### Horizontal

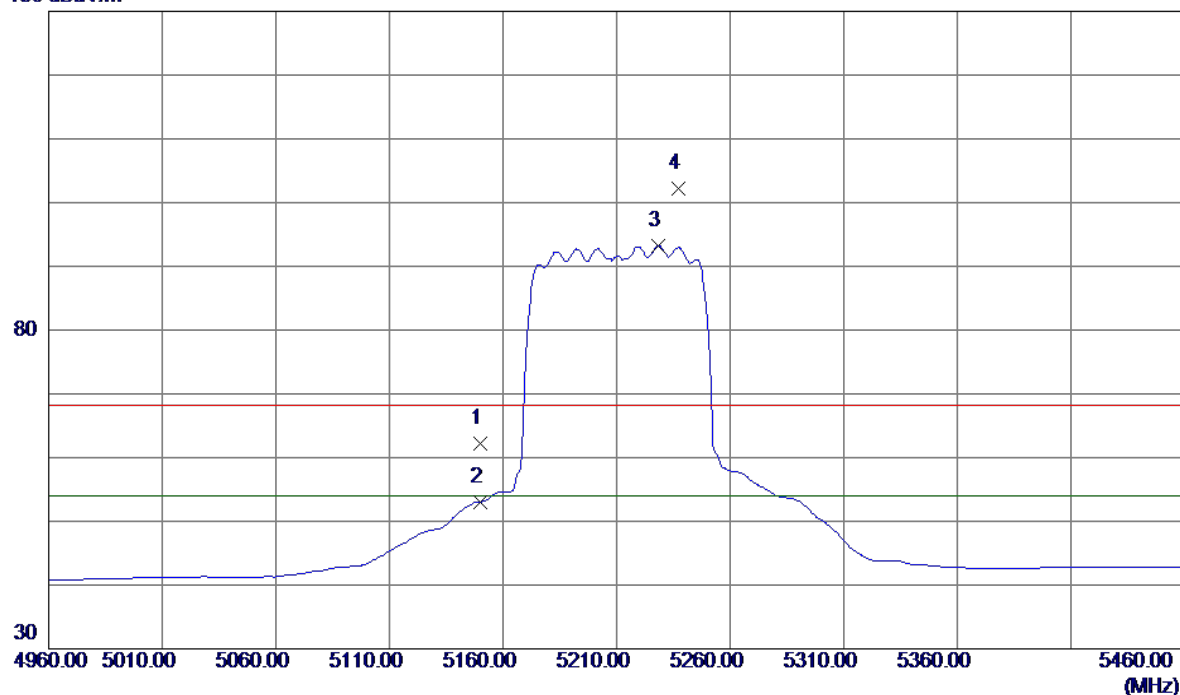


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10469.0000	41.73	16.62	58.35	68.30	-9.95	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

### Vertical

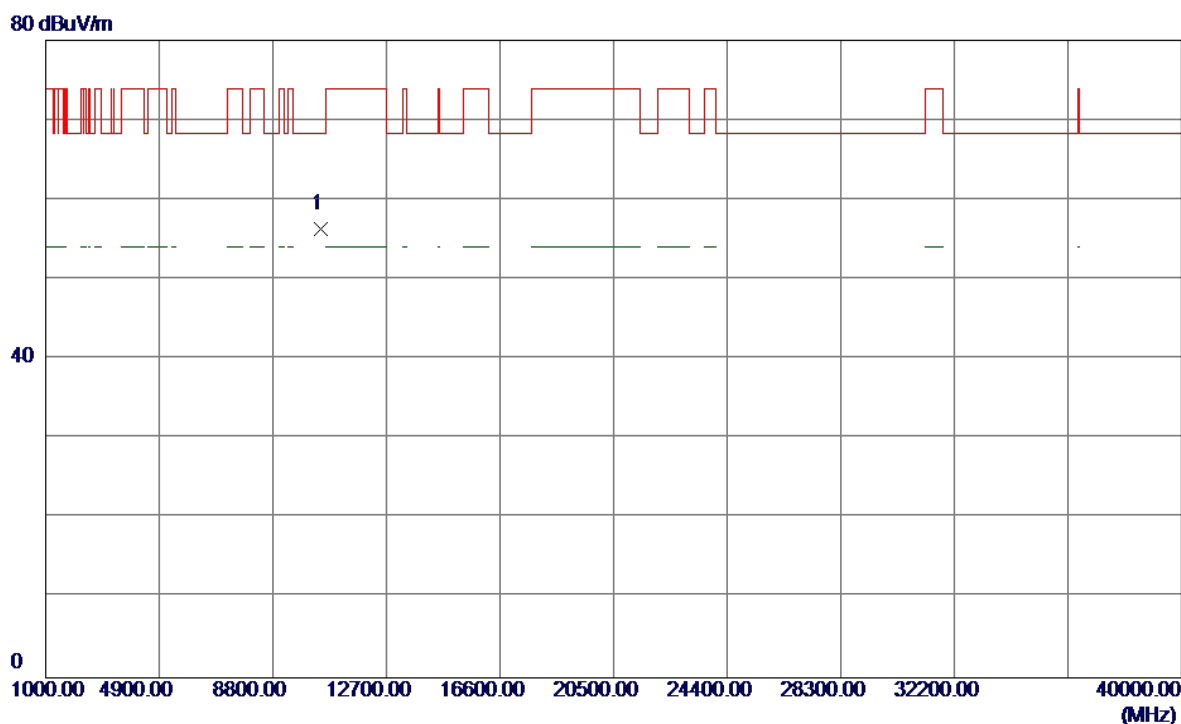
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	21.18	41.10	62.28	68.30	-6.02	Peak	
2	5150.0000	11.98	41.10	53.08	54.00	-0.92	AVG	
3 *	5228.5000	51.77	41.50	93.27	54.00	39.27	AVG	No Limit
4	5237.0000	60.71	41.54	102.25	68.30	33.95	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

### Vertical

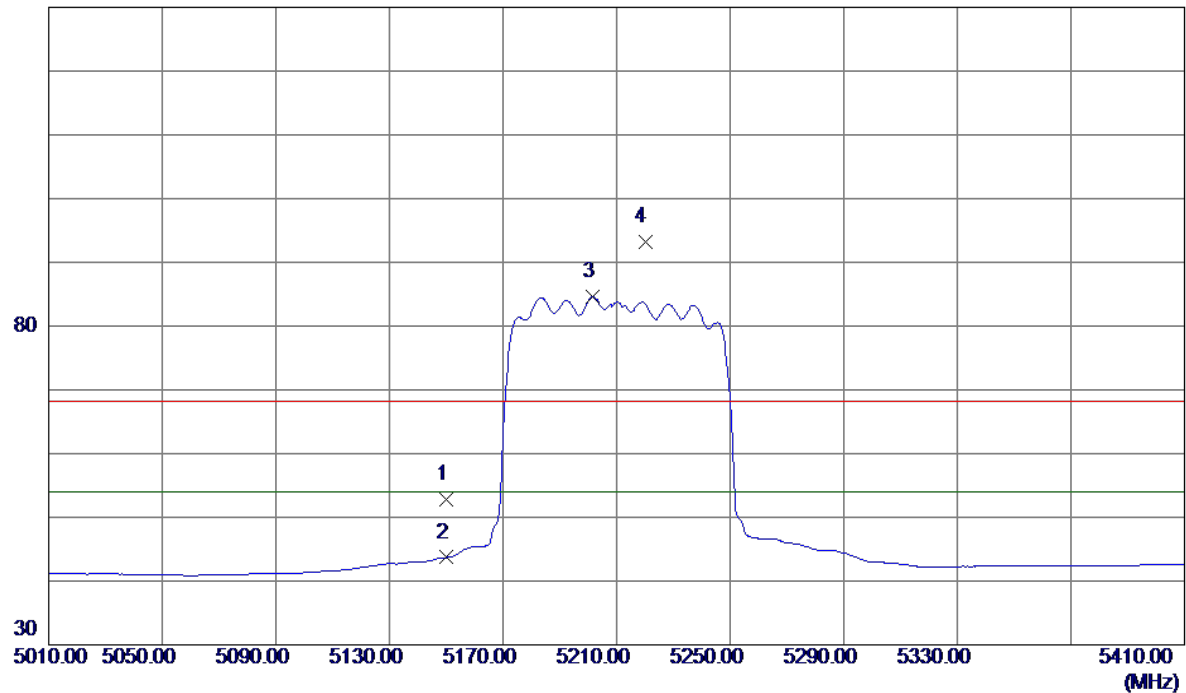


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10436.8000	39.81	16.54	56.35	68.30	-11.95	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

### Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	11.78	41.10	52.88	68.30	-15.42	Peak	
2	5150.0000	2.60	41.10	43.70	54.00	-10.30	AVG	
3 *	5201.6000	43.23	41.36	84.59	54.00	30.59	AVG	No Limit
4	5220.0000	51.69	41.46	93.15	68.30	24.85	Peak	No Limit