

# FCC Radio Test Report

## FCC ID: RRK-WMCAC15

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

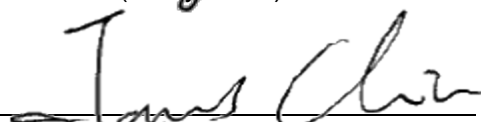
Project No. : 1805H003A  
Equipment : Wifi Card  
Test Model : WMC-AC15  
Series Model : N/A  
Applicant : Alpha  
Address : No. 8, Li-shing 7th Road, Science-based Industrial  
Park, Hsinchu, Taiwan, R.O.C.

Date of Receipt : Oct. 19, 2018  
Date of Test : Oct. 19, 2018~Oct. 31, 2018  
Issued Date : Jan. 02, 2019  
Tested by : BTL Inc.

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Certificate # 5123. 03

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### Limitation

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

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**REPORT ISSUED HISTORY**

Report Version	Description	Issued Date
R00	Original Issue.	Jan. 02, 2019

## 1. GENERAL SUMMARY

Equipment : Wifi Card  
Brand Name : Alpha  
Test Model : WMC-AC15  
Series Model : N/A  
Applicant : Alpha  
Date of Test : Oct. 19, 2018~Oct. 31, 2018  
Test Sample : Engineering Sample No.: B180800106  
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-4-1805H003A) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO/IEC 17025 quality assessment standard and technical standard(s).

**Test results included in this report is only for the WIFI 5GHz UNII-2A, UNII-2C part Beamforming part.**

## 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)	Spectrum Bandwidth	PASS	
15.407(a)	Maximum 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. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China

BTL's Test Firm Registration Number for FCC: 476765

BTL's Designation Number for FCC: CN1241

## 2.2 MEASUREMENT UNCERTAINTY

The measurement uncertainty figures shall be calculated according the methods described in the ETSI TR 100 028 and shall correspond to an expansion factor (coverage factor)  $k=1.96$  or  $k=2$  (which provide confidence levels of respectively 90% and 95.45% in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)). Measurement Uncertainty for a Level of Confidence of 95 %,  $U=2 \times U_c(y)$ .

The BTL measurement uncertainty as below table:

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)
SH-C01	CISPR	150 kHz ~ 30 MHz	2.70

### B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB01	CISPR	9 kHz~30 MHz	V	3.79
		9 kHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	H	3.76
		200 MHz~1,000 MHz	V	4.24
		200 MHz~1,000 MHz	H	3.84
		1 GHz~18 GHz	V	4.46
		1 GHz~18 GHz	H	4.40
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	H	3.95

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	Wifi Card	
Brand Name	Alpha	
Test Model	WMC-AC15	
Series Model	N/A	
Model Difference(s)	N/A	
Product Description	Operation Frequency	UNII-2A: 5250 MHz~5350 MHz UNII-2C: 5470 MHz~5725 MHz
	Modulation Type	OFDM,BPSK,QPSK,16-QAM,64-QAM,256-QAM
	Bit Rate of Transmitter	802.11a:54/48/36/24/18/12/9/6 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 867 Mbps
	Output Power (Max.)for UNII-2A Beamforming	802.11a: 22.40dBm 802.11n (20M): 22.89dBm 802.11n (40M): 22.47dBm 802.11ac (20M): 22.69dBm 802.11ac (40M): 22.68dBm 802.11ac (80M): 16.85dBm
	Output Power (Max.)for UNII-2C Beamforming	802.11a: 22.79dBm 802.11n (20M): 22.71dBm 802.11n (40M): 22.62dBm 802.11ac (20M): 23.22dBm 802.11ac (40M): 22.51dBm 802.11ac (80M): 22.00dBm
Power Source	DC voltage supplied from AC Adapter(Support unit).	
Power Rating	I/P: 100-240V~50/60Hz 0.5A O/P: 5 V --- 2A	

**Note:**

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

802.11a 802.11n 20 MHz 802.11ac 20 MHz		802.11n 40 MHz 802.11ac 40 MHz		802.11ac 80 MHz	
UNII-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

802.11a 802.11n 20 MHz 802.11ac 20 MHz		802.11n 40 MHz 802.11ac 40 MHz		802.11ac 80 MHz	
UNII-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
132	5660				
136	5680				
140	5700				

### 3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	CIU ANTENNE WIFI DUAL A01	296242441	PCB	N/A	-2	N/A
2	CIU ANTENNE WIFI DUAL A01	296242441	PCB	N/A	-2	N/A

Note:

This EUT supports MIMO 2X2, any transmit signals are correlated with each other and the Beamforming Gain is 3.0dBi,so Directional gain =  $3+(-2)=1$ .

### 4.

Operating Mode	TX Mode
802.11a	2TX V (ANT 1+ANT 2)
802.11n (20 MHz)	V (ANT 1+ANT 2)
802.11n (40 MHz)	V (ANT 1+ANT 2)
802.11ac (20 MHz)	V (ANT 1+ANT 2)
802.11ac (40 MHz)	V (ANT 1+ANT 2)
802.11ac (80 MHz)	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 / CH52, CH60, CH64 (UNII-2A)
Mode 2	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 3	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 4	TX AC20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 5	TX AC40 Mode / CH54, CH62 (UNII-2A)
Mode 6	TX AC80 Mode / CH58 (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 AC20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 11	TX AC40 Mode / CH102, CH110, CH134 (UNII-2C)
Mode 12	TX AC80 Mode / CH106, CH122 (UNII-2C)
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 / CH52, CH60, CH64 (UNII-2A)
Mode 2	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 3	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 4	TX AC20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 5	TX AC40 Mode / CH54, CH62 (UNII-2A)
Mode 6	TX AC80 Mode / CH58 (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 AC20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 11	TX AC40 Mode / CH102, CH110, CH134 (UNII-2C)
Mode 12	TX AC80 Mode / CH106, CH122 (UNII-2C)

Note:

- (1) For radiated 30 MHz to 1000 MHz test, the 802.11a mode is found to be the worst case and recorded.
- (2) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%..

### 3.3 TABLE OF PARAMETERS OF 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

#### Beamforming

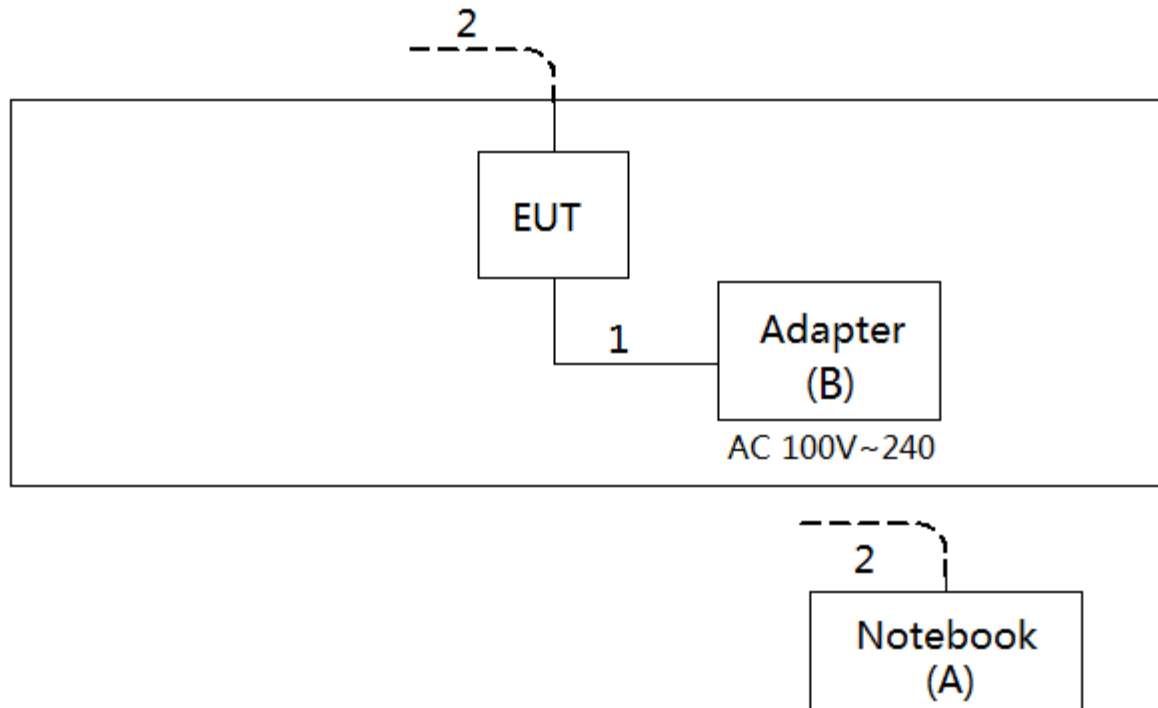
UNII-2A			
Test Software Version	MP_TEST		
Frequency (MHz)	5260	5300	5320
A Mode	32/30	32/29	19/17
Frequency (MHz)	5260	5300	5320
N20 Mode	33/29	31/29	21/18
Frequency (MHz)	5270	5310	
N40 Mode	31/28	18/15	

UNII-2C			
Test Software Version	MP_TEST		
Frequency (MHz)	5500	5580	5700
A Mode	21/18	28/23	18/13
Frequency (MHz)	5500	5580	5700
N20 Mode	20/18	27/25	13/8
Frequency (MHz)	5510	5550	5670
N40 Mode	17/13	27/25	21/16

UNII-2A			
Test Software Version	MP_TEST		
Frequency (MHz)	5260	5300	5320
AC20 Mode	33/29	31/29	22/19
Frequency (MHz)	5270	5310	
AC40 Mode	33/30	19/16	
Frequency (MHz)	5290		
AC80 Mode	18/16		

UNII-2C			
Test Software Version	MP_TEST		
Frequency (MHz)	5500	5580	5700
AC20 Mode	23/21	27/25	16/11
Frequency (MHz)	5510	5550	5670
AC40 Mode	18/15	27/25	22/17
Frequency□(MHz)	5530	5610	
AC80 Mode	15/12	26/22	

### 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	ThinkPad	20H3-A00VCD	DOC	PF-0S8287
B	Adapter	D-Link	AMS135-0502000FU	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	0.4m	DC Cable
2	NO	NO	10m	RJ45 Cable



## 4. EMC EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 -0.50	66to 56*	56 to 46*
0.50 -5.0	56	46
5.0 -30.0	60	50

Note:

- (1) The tighter limit applies at the band edges.
- (2) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)  
 Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

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

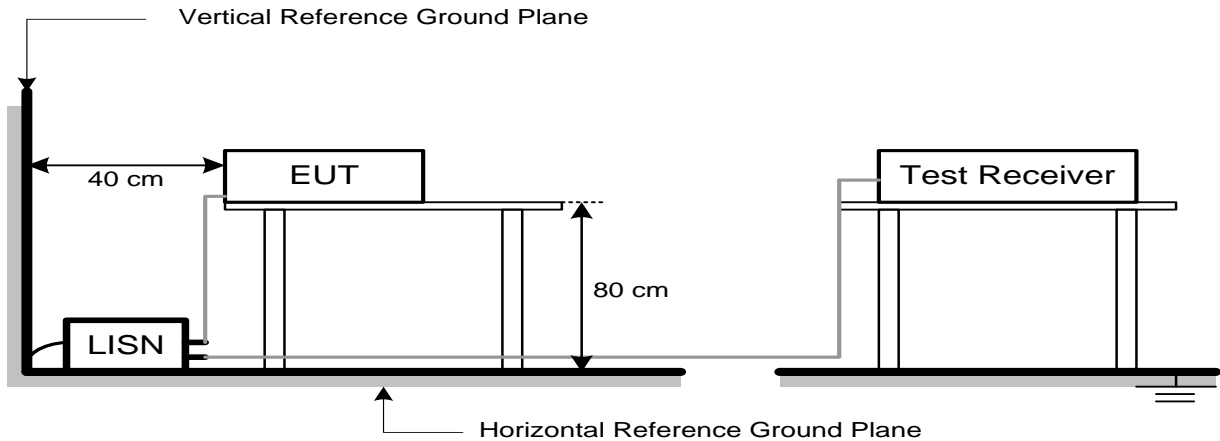
#### 4.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment 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: 23°C    Relative Humidity: 50%    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 150 kHz to 30 MHz.

## 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)
5250-5350	-27	68.3
5470-5725	-27	68.3

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

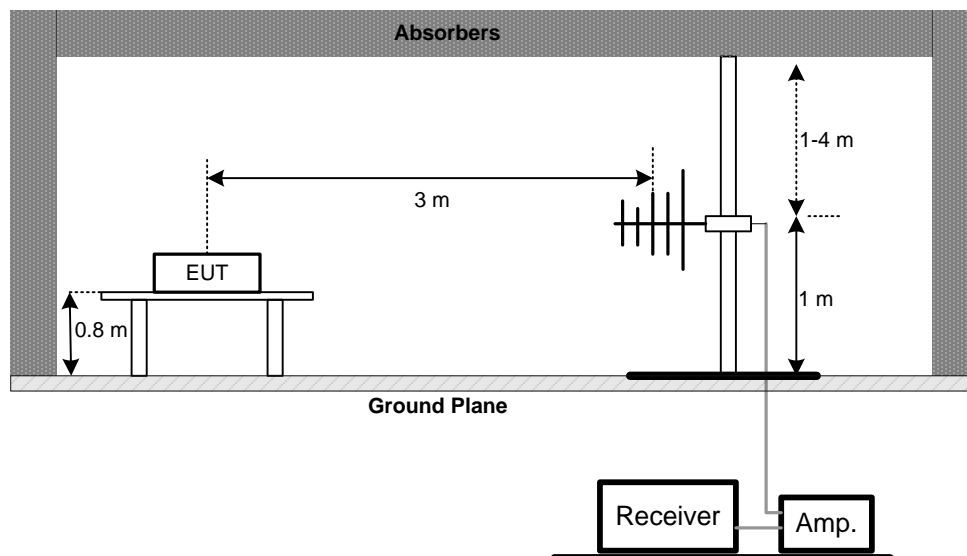
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 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 1 GHz.
- 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 1 GHz)
- 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 1 GHz)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 4.2.3 DEVIATION FROM TEST STANDARD

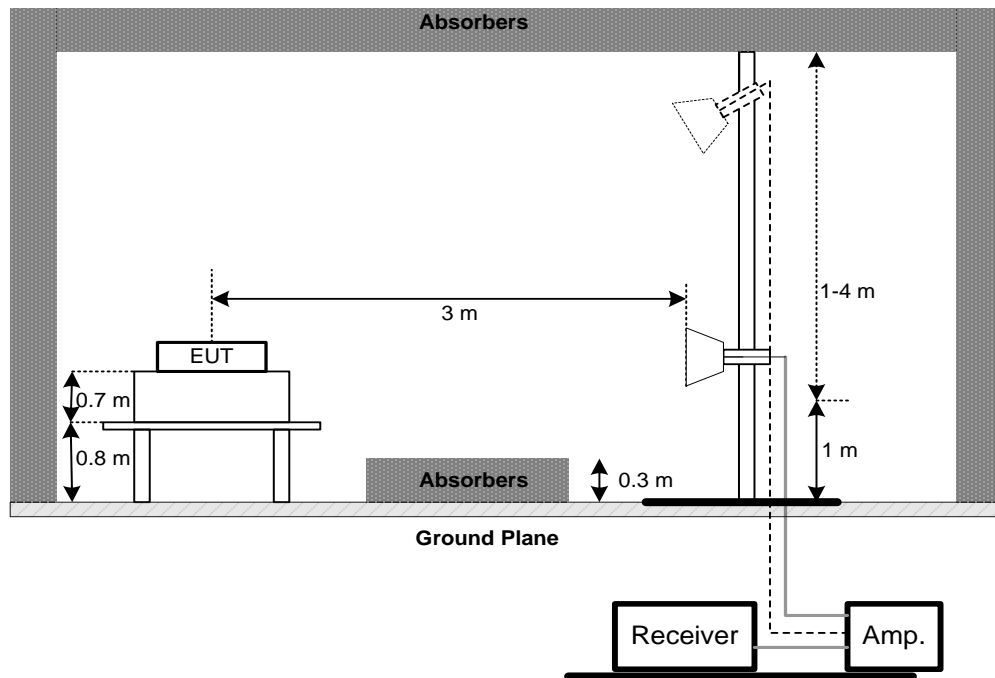
No deviation

#### 4.2.4 TEST SETUP

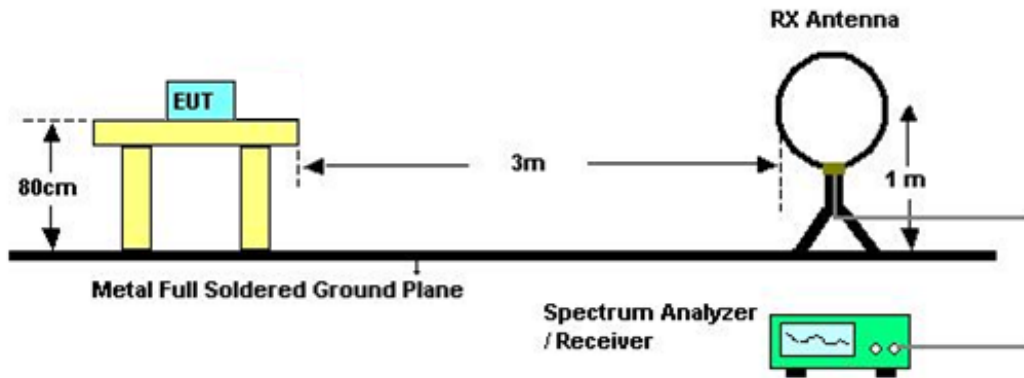
(A)Radiated Emission Test Set-Up Frequency 30 MHz-1000 MHz



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



(C) Radiated emissions below 30 MHz



**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: 20.8°C    Relative Humidity: 43%    Test Voltage: AC 120V/60Hz

#### **4.2.7 TEST RESULTS (9 kHz TO 30 MHz)**

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 (30 MHz 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. SPECTRUM BANDWIDTH

### 5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Bandwidth	26 dB Bandwidth	5250-5350	PASS
	26 dB Bandwidth	5470-5725	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	> 26 dB Bandwidth
RBW	300 kHz(Bandwidth 20 MHz) 1 MHz(Bandwidth 40 MHz and 80 MHz)
VBW	1 MHz(Bandwidth 20 MHz) 3 MHz(Bandwidth 40 MHz and 80 MHz)
Span Frequency	6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- c. Measured the spectrum width with power higher than 26 dB 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: 22°C    Relative Humidity: 43.5%    Test Voltage: AC 120V/60Hz

### 5.1.6 TEST RESULTS

Please refer to the Appendix E.



## 6. MAXIMUM OUTPUT POWER

### 6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Maximum Output Power	250mW (24 dBm)	5250-5350	PASS
	250mW (24 dBm)	5470-5725	PASS

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

#### 6.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Used spectrum analyzer band power measurement function.
- 

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1 MHz.
VBW	≥ 3 MHz.
Sweep points	≥ 2 x span / RBW
Detector	RMS
Trace	Trace average at least 100 traces in power averaging(rms) mode.
Sweep Time	auto

- Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

#### 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: 22.5°C    Relative Humidity: 46%    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	11 dBm/MHz	5250-5350	PASS
	11 dBm/MHz	5470-5725	PASS

#### 7.1.1 TEST PROCEDURE

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

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

**Note:**

The value measured with RBW=1 MHz is to be added with  $10\log(500 \text{ kHz}/1 \text{ MHz})$  which is -3 dB. For example, if the measured value is +10dBm using RBW=1 MHz (that is +10 dBm/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: 23.6°C    Relative Humidity: 44.5%    Test Voltage: AC 120V/60Hz

### 7.1.6 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	5250-5350	PASS
		5470-5725	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

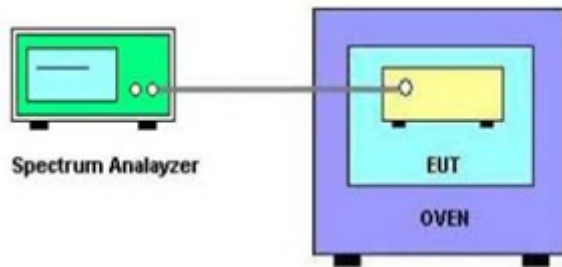
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is -10°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: 23.7°C    Relative Humidity: 53.2%    Test Voltage: AC 120V/60Hz

### 8.1.6 TEST RESULTS

Please refer to the Appendix I.

## 9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 30, 2019
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Jan. 17, 2019
3	EMI Test Receiver	R&S	ESCI	100082	Mar. 30, 2019
4	50Ω coaxial switch	Anritsu	MP59B	6201750902	Jul. 17, 2019
5	Cable	10m	EMCRG400-BM-N M-10000	170628	Jun. 10, 2019
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement - 9KHZ TO 30MHZ					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Mar. 31, 2019
2	Cable	N/A	EMCRG400-BM-N M-10000	170628	Jun. 10, 2019
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 30, 2019
4	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A

Radiated Emission Measurement - 30MHZ TO 1000MHZ					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Mar. 30, 2019
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 30, 2019
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 30, 2019
4	Attenuator	emci	EMCI-N-6-06	AT-N0644	Mar. 30, 2019
5	Cable	7m	EMC104-SM-SM-7000	170330	Jun. 10, 2019
6	Cable	1m	EMC104-SM-SM-1000	170331	Jun. 10, 2019
7	Cable	3.5m	EMC104-SM-NM-3500	170621	Jun. 10, 2019
8	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A

Radiated Emission Measurement - Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1787	Mar. 30, 2019
2	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Mar. 30, 2019
3	Pre-Amplifier	emci	EMC012645SE	980421	Mar. 30, 2019
4	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 30, 2019
5	EXA Spectrum Analyzer	Keysight	N9010A	MY56480559	Mar. 30, 2019
6	MXE EMI Receiver	Keysight	N9038A	MY56400088	Mar. 30, 2019
7	Cable	7m	EMC104-SM-SM-7000	170330	Jun. 10, 2019
8	Cable	1m	EMC104-SM-SM-1000	170331	Jun. 10, 2019
9	Cable	3.5m	EMC104-SM-NM-3500	170621	Jun. 10, 2019
10	Cable	0.8m	EMC102-SM-SM-800	170335	Jun. 10, 2019
11	Cable	6m	EMC102-SM-SM-6000	170336	Jun. 10, 2019
12	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	100626	Mar. 31, 2019

Maximum Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 31, 2019

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 31, 2019

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 31, 2019
2	Temperature And Humidity Box	Blue pand	BPHS-120B	170616454	Nov. 10, 2019

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



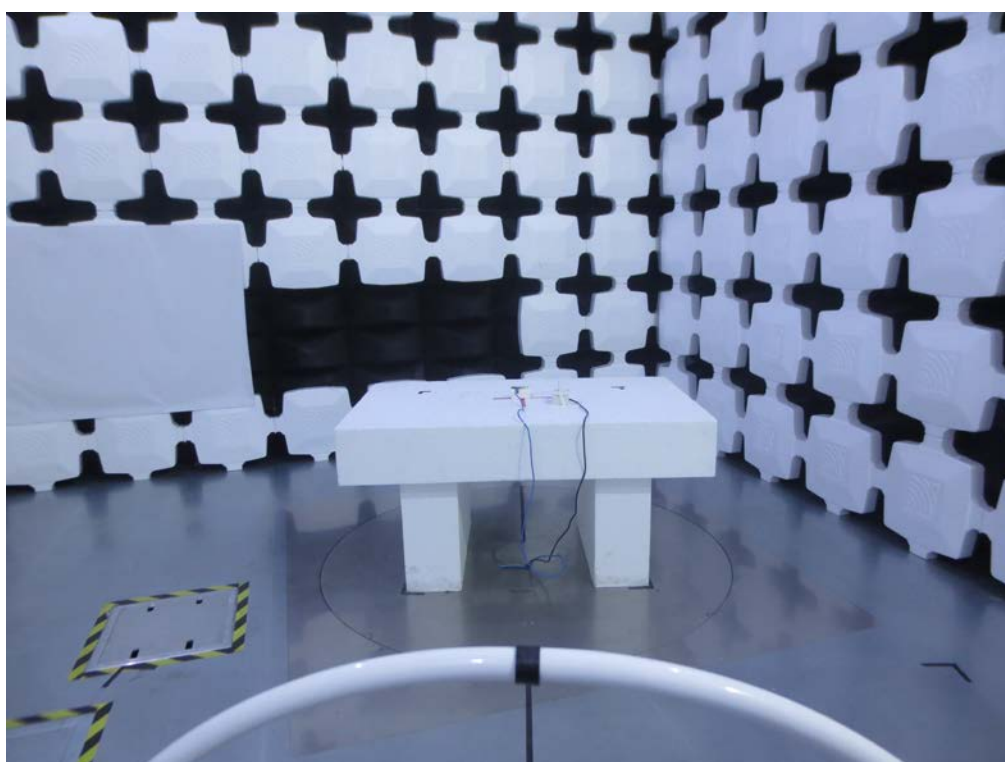
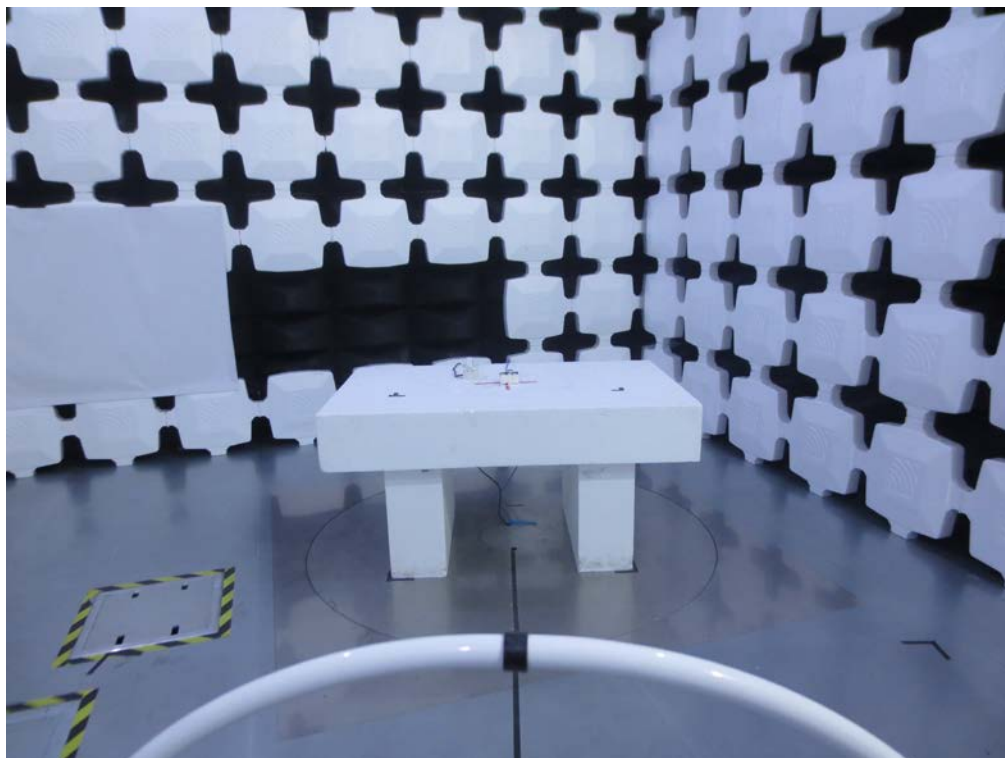
## 10. EUT TEST PHOTOS

### Conducted Measurement Photos



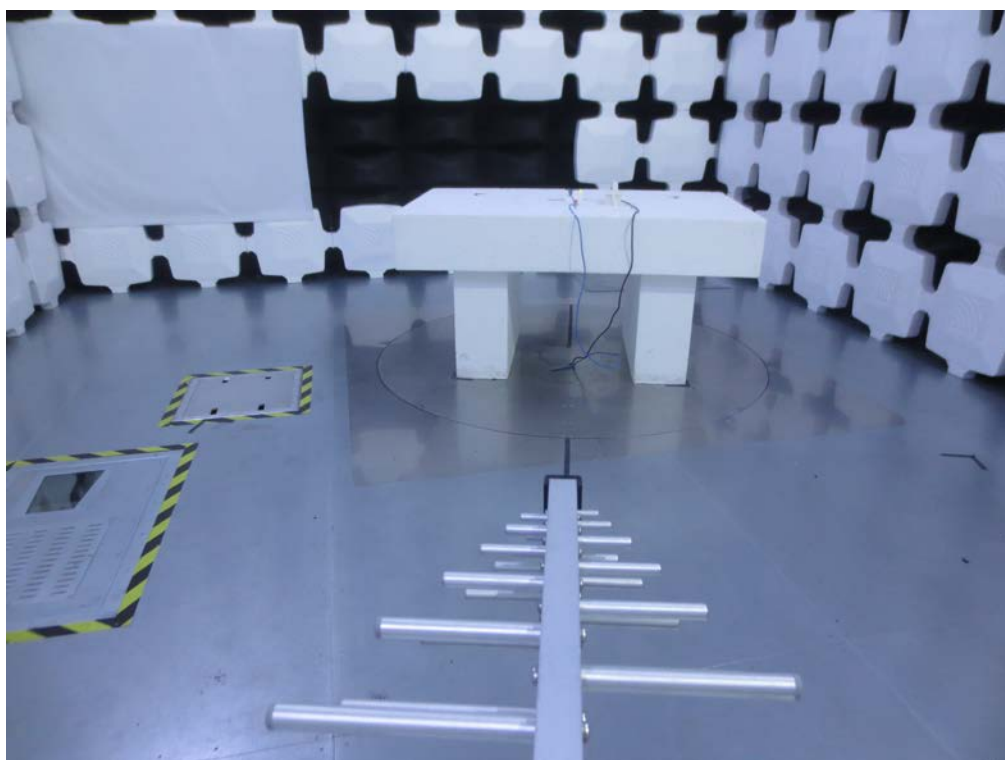
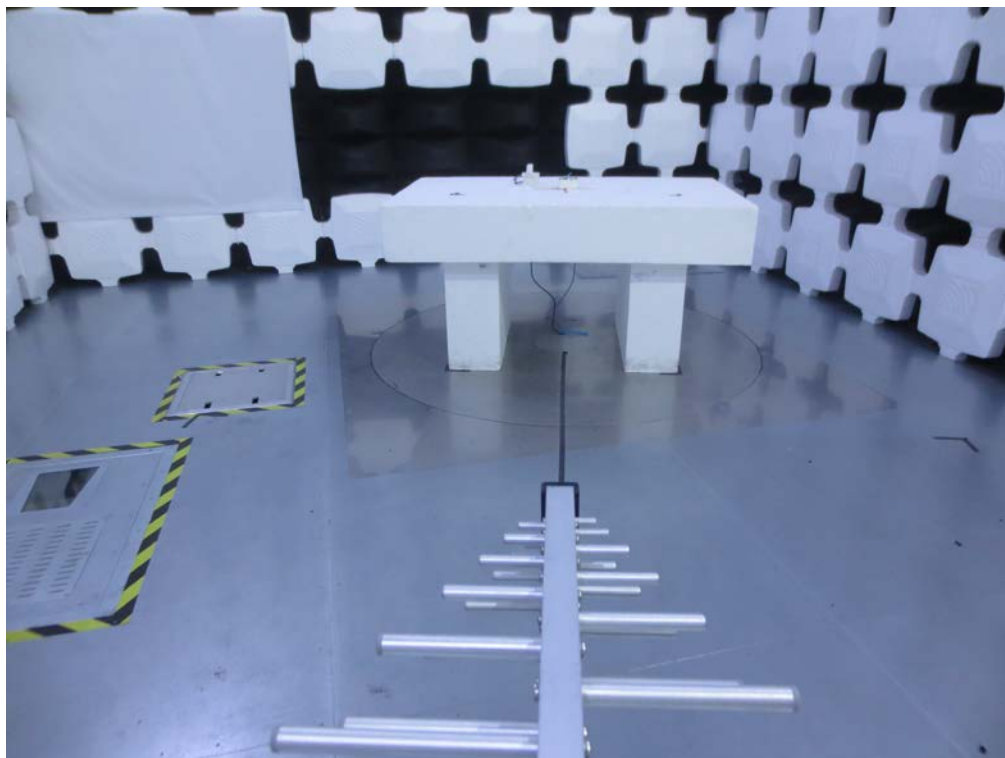
## Radiated Measurement Photos

9 kHz to 30 MHz



## Radiated Measurement Photos

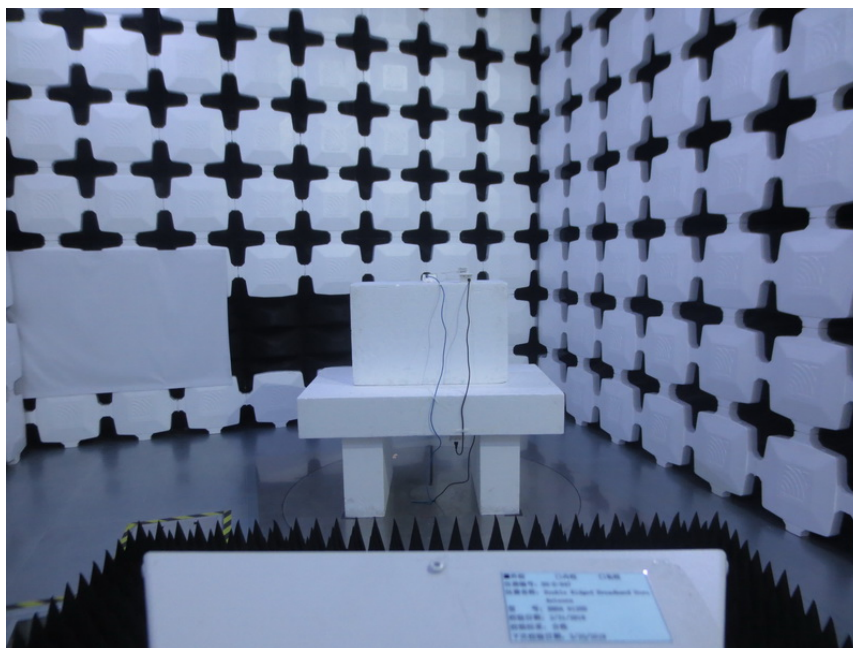
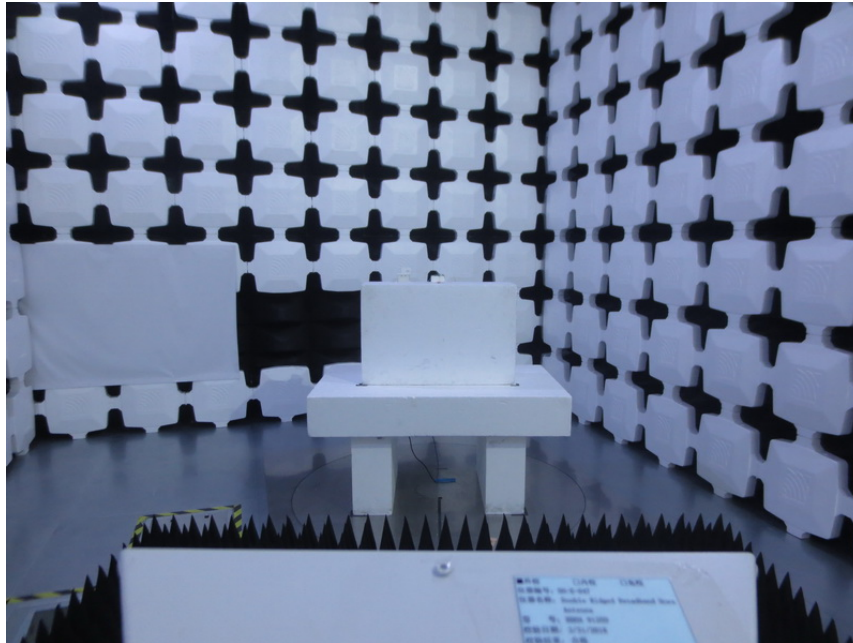
30 MHz to 1000 MHz





## Radiated Measurement Photos

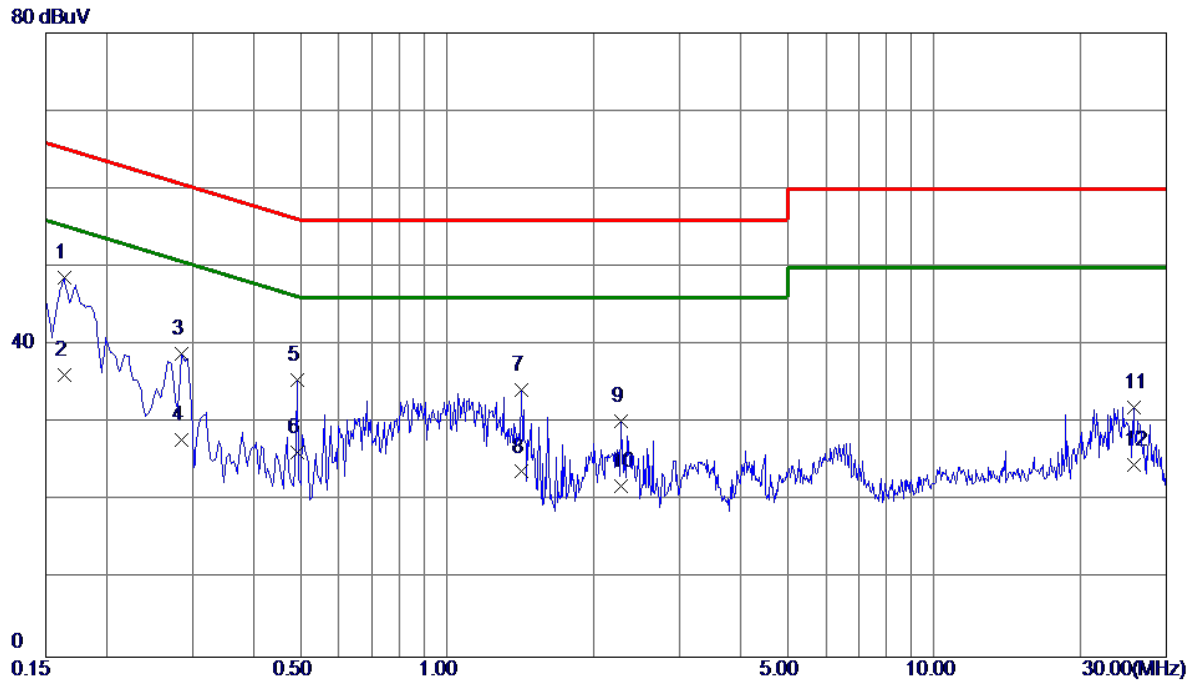
Above 1000 MHz



## APPENDIX A - CONDUCTED EMISSION

Test Mode: TX Mode

### Line

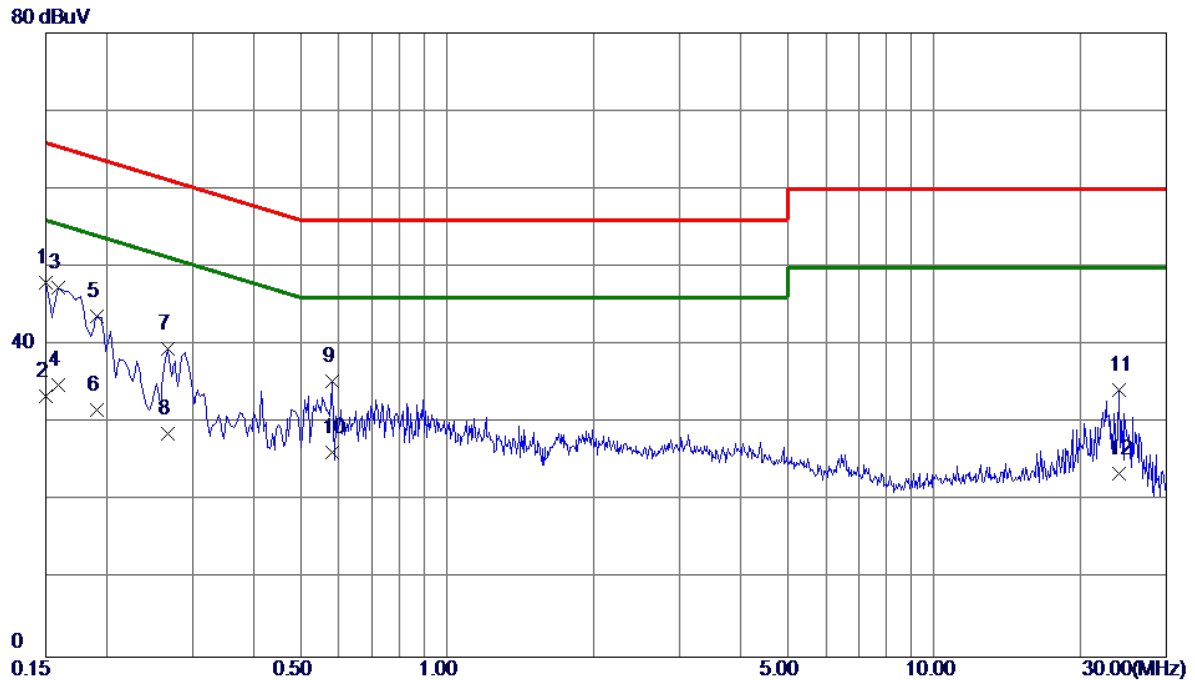


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1635	38.81	9.80	48.61	65.28	-16.67	QP	
2	0.1635	26.30	9.80	36.10	55.28	-19.18	AVG	
3	0.2850	28.83	9.99	38.82	60.67	-21.85	QP	
4	0.2850	17.90	9.99	27.89	50.67	-22.78	AVG	
5	0.4920	25.51	9.98	35.49	56.13	-20.64	QP	
6	0.4920	16.20	9.98	26.18	46.13	-19.95	AVG	
7	1.4190	24.19	10.06	34.25	56.00	-21.75	QP	
8	1.4190	13.70	10.06	23.76	46.00	-22.24	AVG	
9	2.2830	20.26	10.01	30.27	56.00	-25.73	QP	
10	2.2830	11.89	10.01	21.90	46.00	-24.10	AVG	
11	25.6830	21.13	10.90	32.03	60.00	-27.97	QP	
12	25.6830	13.80	10.90	24.70	50.00	-25.30	AVG	

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 *	0.1500	38.24	9.78	48.02	66.00	-17.98	QP	
2	0.1500	23.70	9.78	33.48	56.00	-22.52	AVG	
3	0.1590	37.50	9.79	47.29	65.52	-18.23	QP	
4	0.1590	25.10	9.79	34.89	55.52	-20.63	AVG	
5	0.1905	33.88	9.84	43.72	64.01	-20.29	QP	
6	0.1905	21.90	9.84	31.74	54.01	-22.27	AVG	
7	0.2670	29.51	9.99	39.50	61.21	-21.71	QP	
8	0.2670	18.60	9.99	28.59	51.21	-22.62	AVG	
9	0.5820	25.34	9.99	35.33	56.00	-20.67	QP	
10	0.5820	16.20	9.99	26.19	46.00	-19.81	AVG	
11	23.9280	23.49	10.75	34.24	60.00	-25.76	QP	
12	23.9280	12.70	10.75	23.45	50.00	-26.55	AVG	

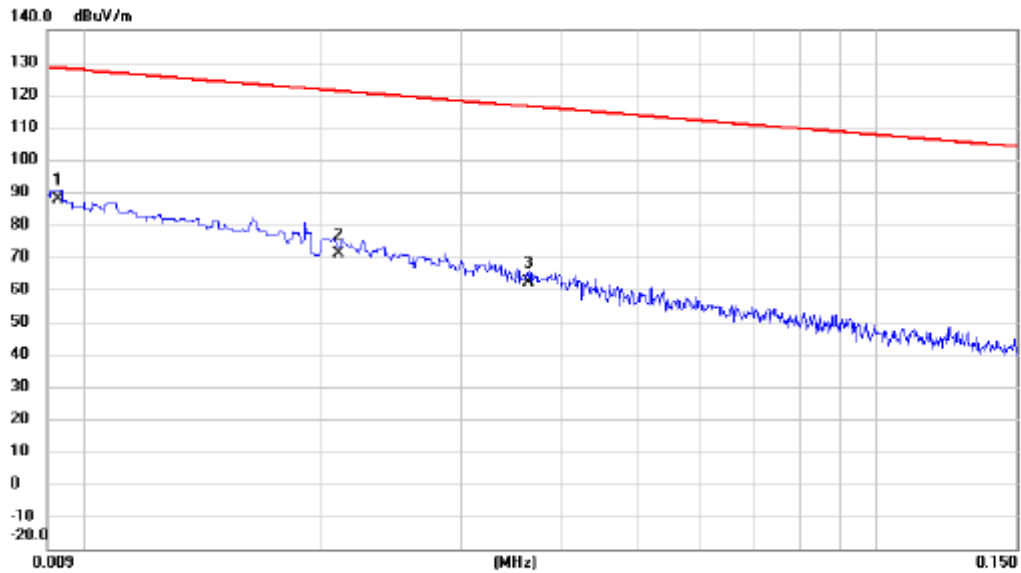
Note: The test result has included the cable loss.

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



Test Mode: TX Mode

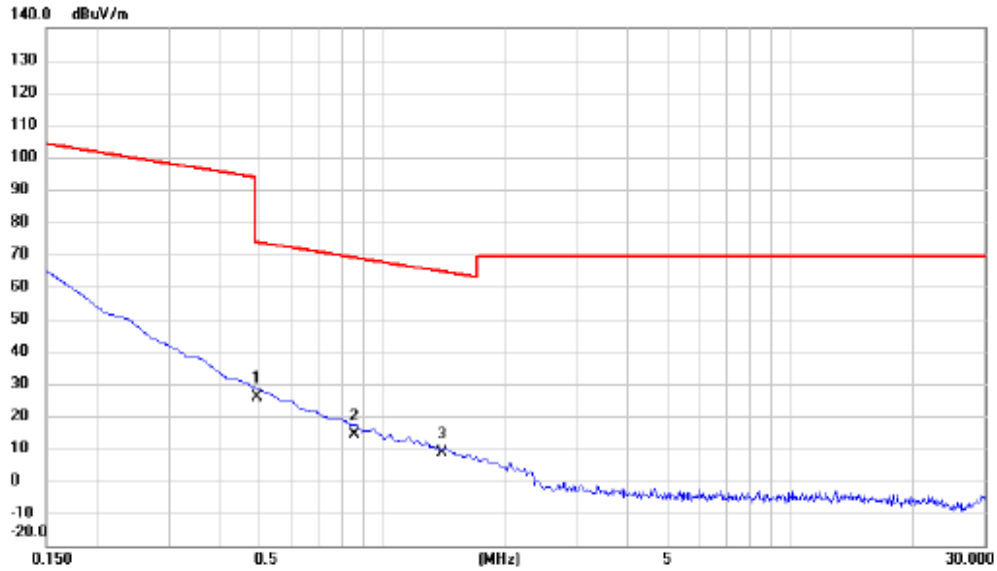
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0093	66.90	21.06	87.96	128.24	-40.28	AVG	
2		0.0210	51.26	19.59	70.85	121.16	-50.31	AVG	
3		0.0364	43.26	19.13	62.39	116.38	-53.99	AVG	

Test Mode: TX Mode

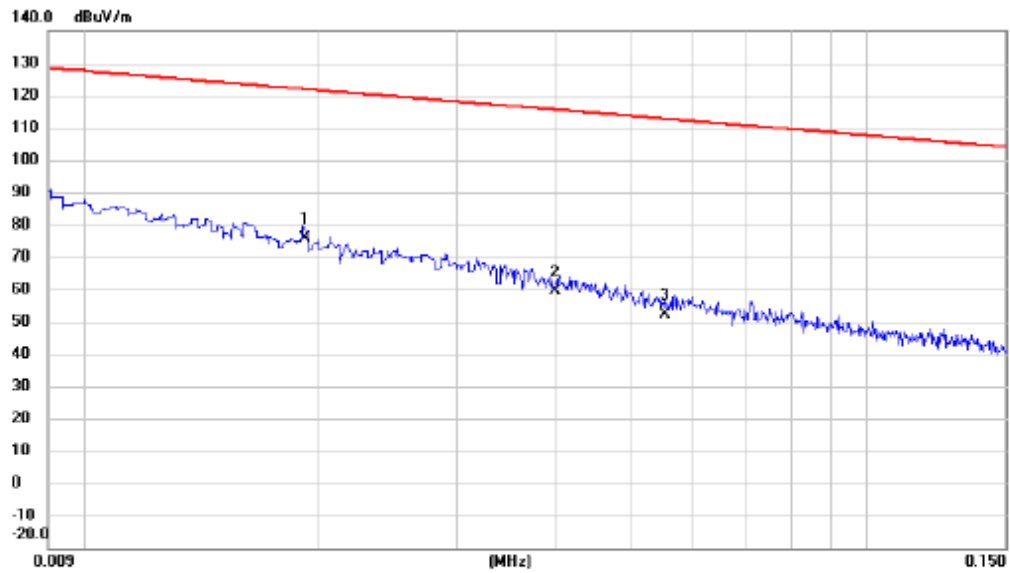
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.4941	9.34	16.47	25.81	73.73	-47.92	QP	
2		0.8573	-1.65	16.05	14.40	68.94	-54.54	QP	
3		1.4037	-7.07	15.74	8.67	64.66	-55.99	QP	

Test Mode: TX Mode

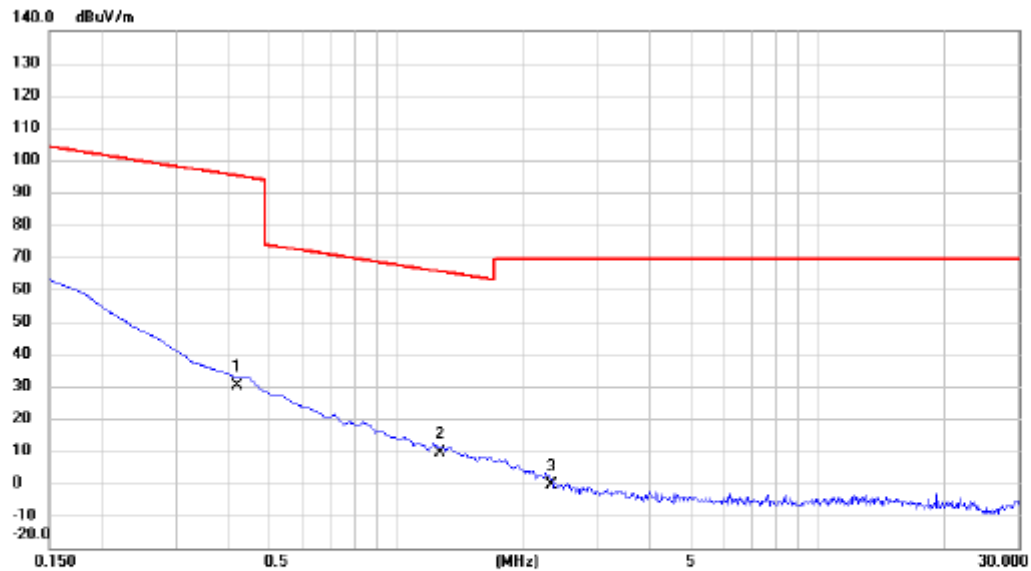
Ant 90°



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	0.0192	55.91	19.72	75.63	121.94	-46.31	AVG	
2		0.0400	40.57	19.02	59.59	115.56	-55.97	AVG	
3		0.0552	33.51	18.63	52.14	112.77	-60.63	AVG	

Test Mode: TX Mode

Ant 90°



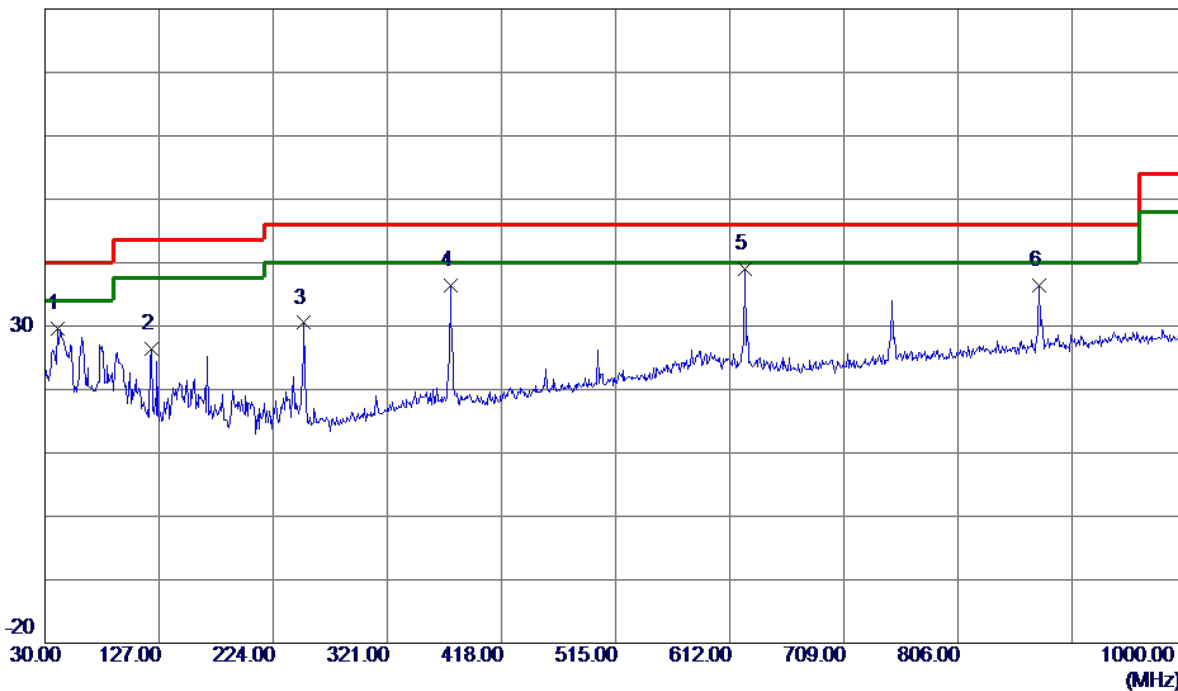
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4187	13.52	16.54	30.06	95.17	-65.11	AVG	
2	*	1.2694	-6.56	15.79	9.23	65.53	-56.30	QP	
3		2.3291	-16.10	15.42	-0.68	69.54	-70.22	QP	

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

Test Mode: UNII-2A/TX A Mode 5260 MHz

Vertical

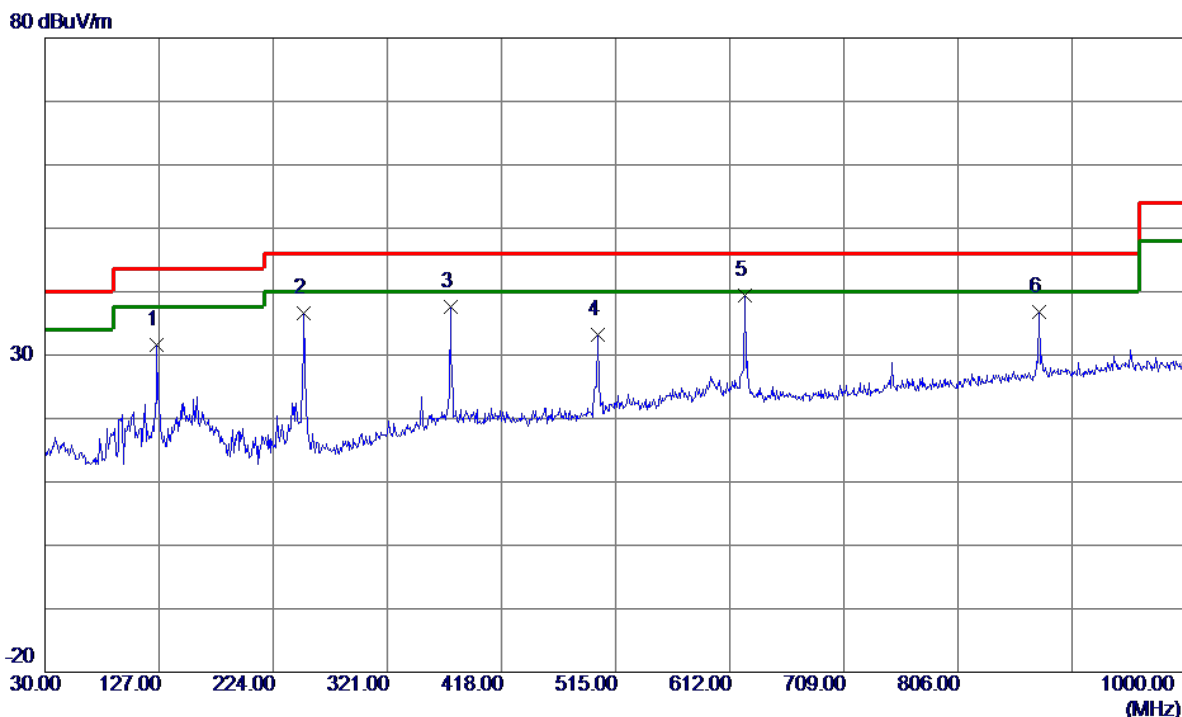
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	41.1550	46.23	-16.68	29.55	40.00	-10.45	Peak	
2	120.2100	44.00	-17.66	26.34	43.50	-17.16	Peak	
3	250.1900	47.98	-17.48	30.50	46.00	-15.50	Peak	
4	374.8350	50.91	-14.45	36.46	46.00	-9.54	Peak	
5 *	625.0949	48.47	-9.53	38.94	46.00	-7.06	Peak	
6	874.8700	42.93	-6.48	36.45	46.00	-9.55	Peak	

Test Mode: UNII-2A/TX A Mode 5260 MHz

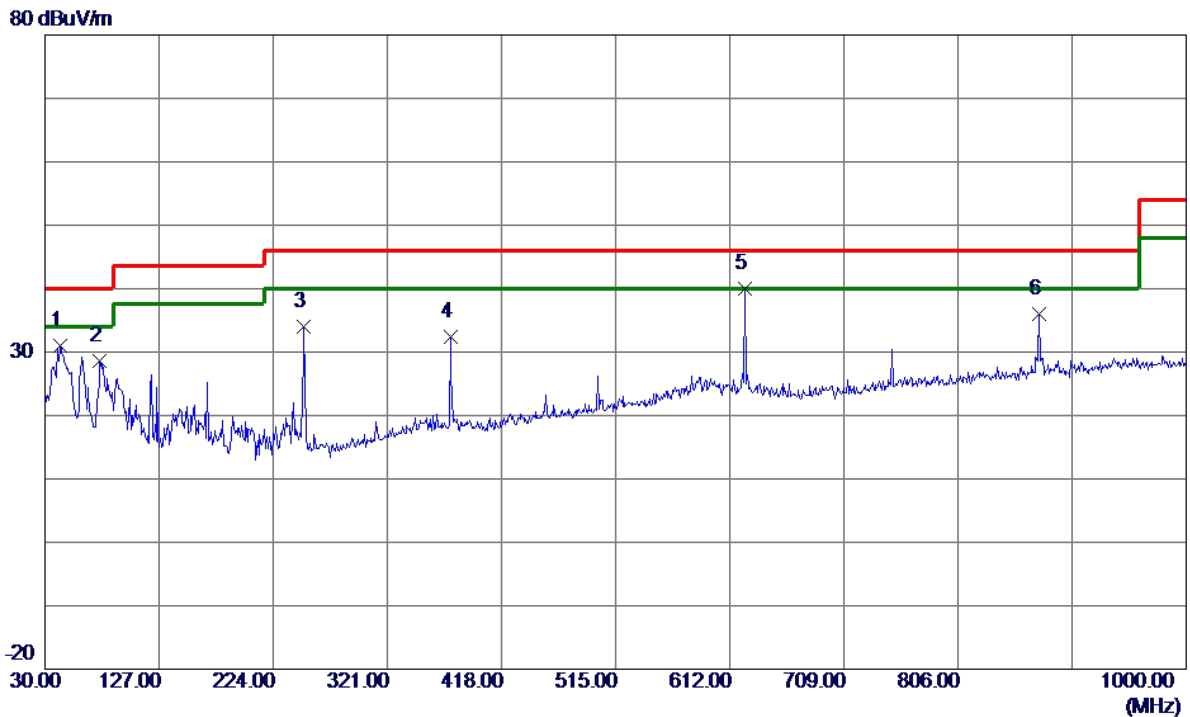
# Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	125.0600	49.04	-17.44	31.60	43.50	-11.90	Peak	
2	250.1900	54.07	-17.48	36.59	46.00	-9.41	Peak	
3	374.8350	52.08	-14.45	37.63	46.00	-8.37	Peak	
4	499.9650	44.92	-11.72	33.20	46.00	-12.80	Peak	
5 *	625.0949	49.01	-9.53	39.48	46.00	-6.52	Peak	
6	874.8700	43.20	-6.48	36.72	46.00	-9.28	Peak	

Test Mode: UNII-2A/TX A Mode 5300 MHz

Vertical

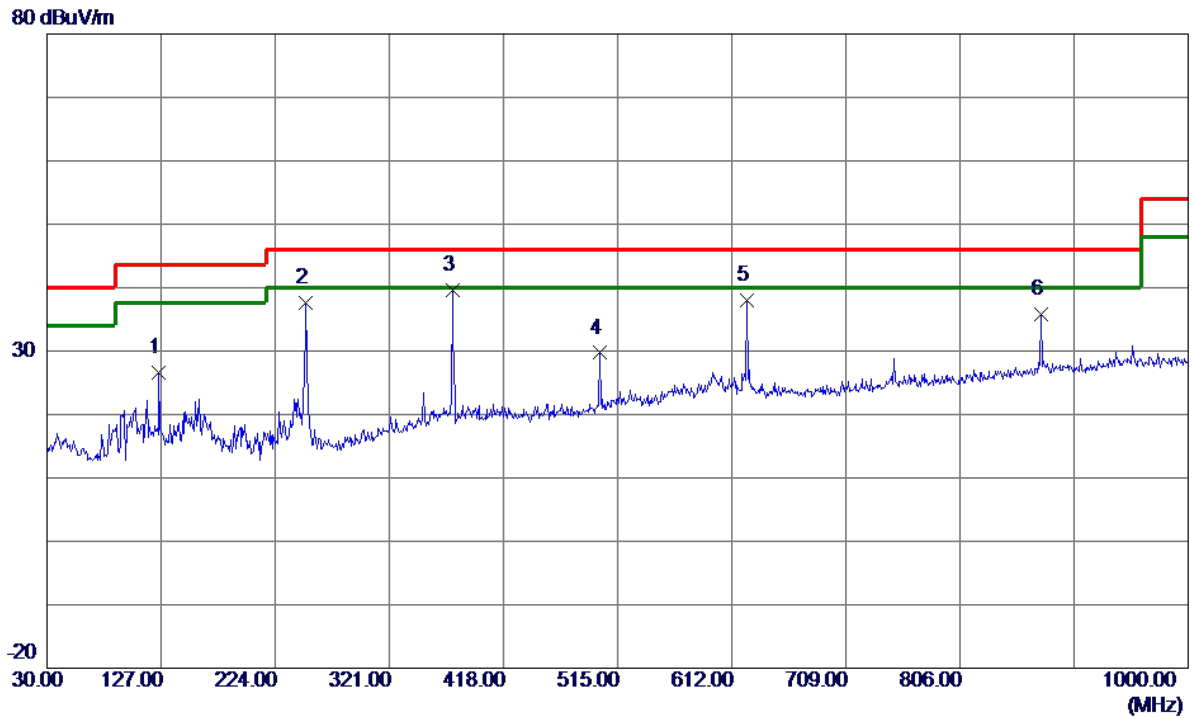


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	42.6100	47.80	-16.84	30.96	40.00	-9.04	Peak	
2	76.5600	49.18	-20.62	28.56	40.00	-11.44	Peak	
3	250.1900	51.48	-17.48	34.00	46.00	-12.00	Peak	
4	374.8350	46.91	-14.45	32.46	46.00	-13.54	Peak	
5 *	625.0949	49.47	-9.53	39.94	46.00	-6.06	Peak	
6	874.8700	42.43	-6.48	35.95	46.00	-10.05	Peak	



Test Mode: UNII-2A/TX A Mode 5300 MHz

### Horizontal

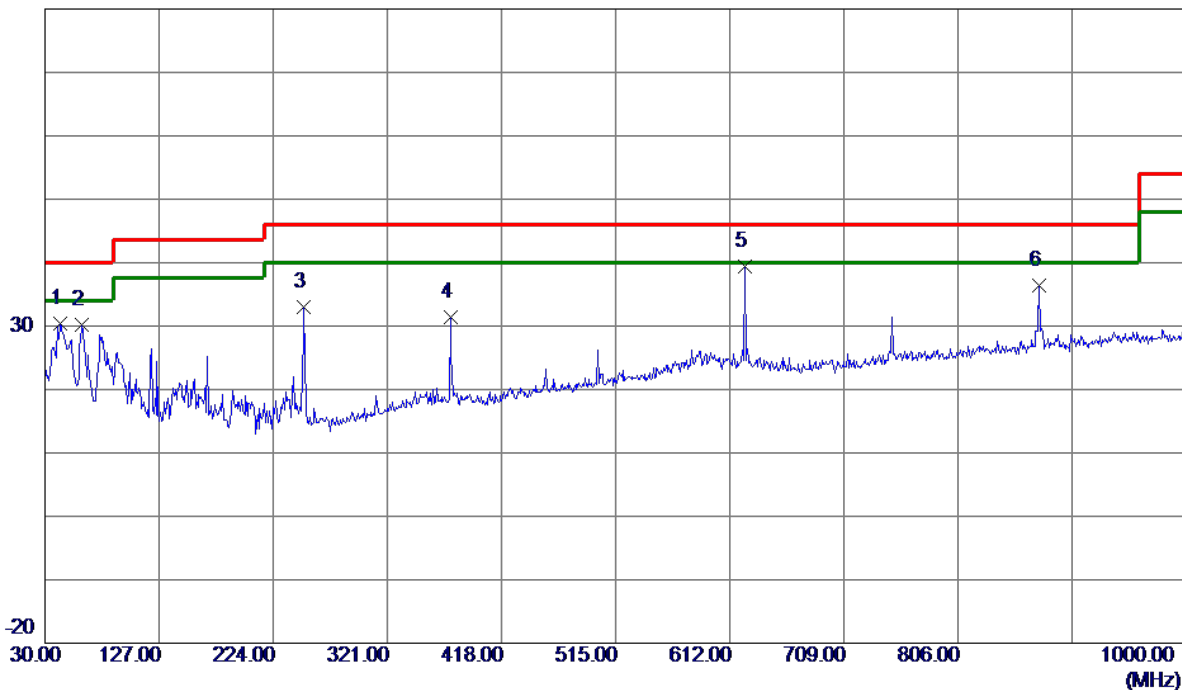


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	125.0600	44.04	-17.44	26.60	43.50	-16.90	Peak	
2	250.1900	55.07	-17.48	37.59	46.00	-8.41	Peak	
3 *	374.8350	54.08	-14.45	39.63	46.00	-6.37	Peak	
4	499.9650	41.42	-11.72	29.70	46.00	-16.30	Peak	
5	625.0949	47.51	-9.53	37.98	46.00	-8.02	Peak	
6	874.8700	42.20	-6.48	35.72	46.00	-10.28	Peak	

Test Mode: UNII-2A/TX A Mode 5320 MHz

Vertical

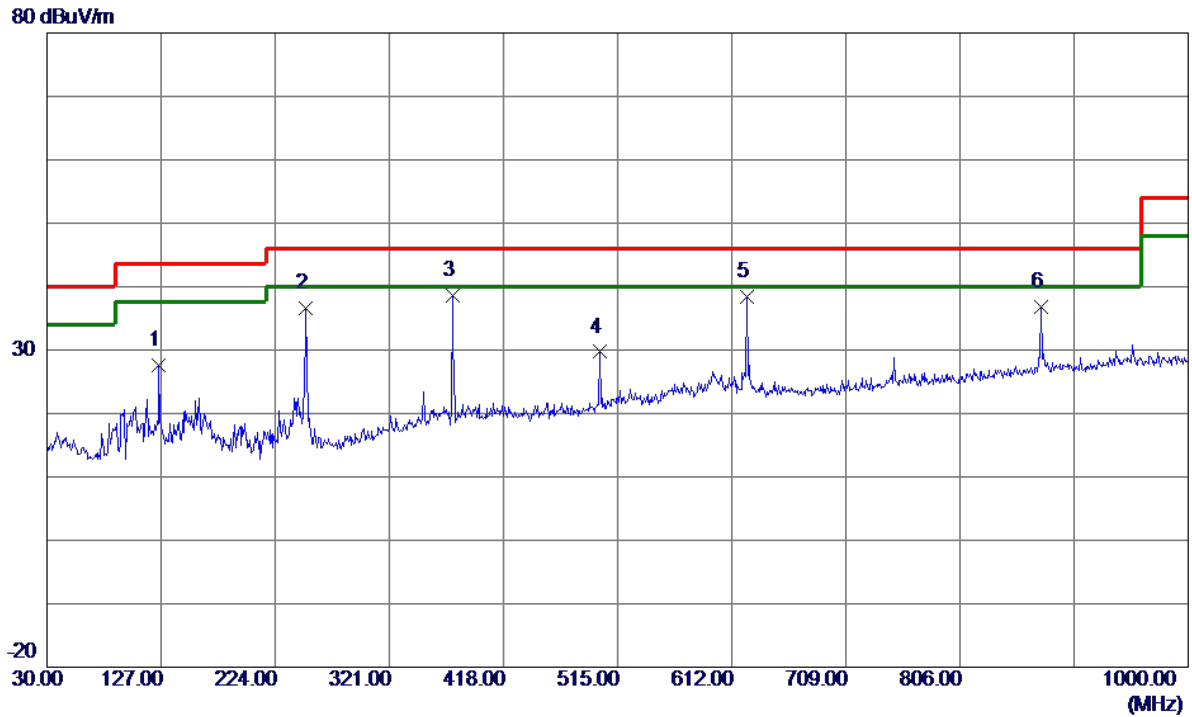
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	42.6100	47.30	-16.84	30.46	40.00	-9.54	Peak	
2	61.5250	48.30	-18.16	30.14	40.00	-9.86	Peak	
3	250.1900	50.48	-17.48	33.00	46.00	-13.00	Peak	
4	374.8350	45.91	-14.45	31.46	46.00	-14.54	Peak	
5 *	625.0949	48.97	-9.53	39.44	46.00	-6.56	Peak	
6	874.8700	42.93	-6.48	36.45	46.00	-9.55	Peak	

Test Mode: UNII-2A/TX A Mode 5320 MHz

### Horizontal

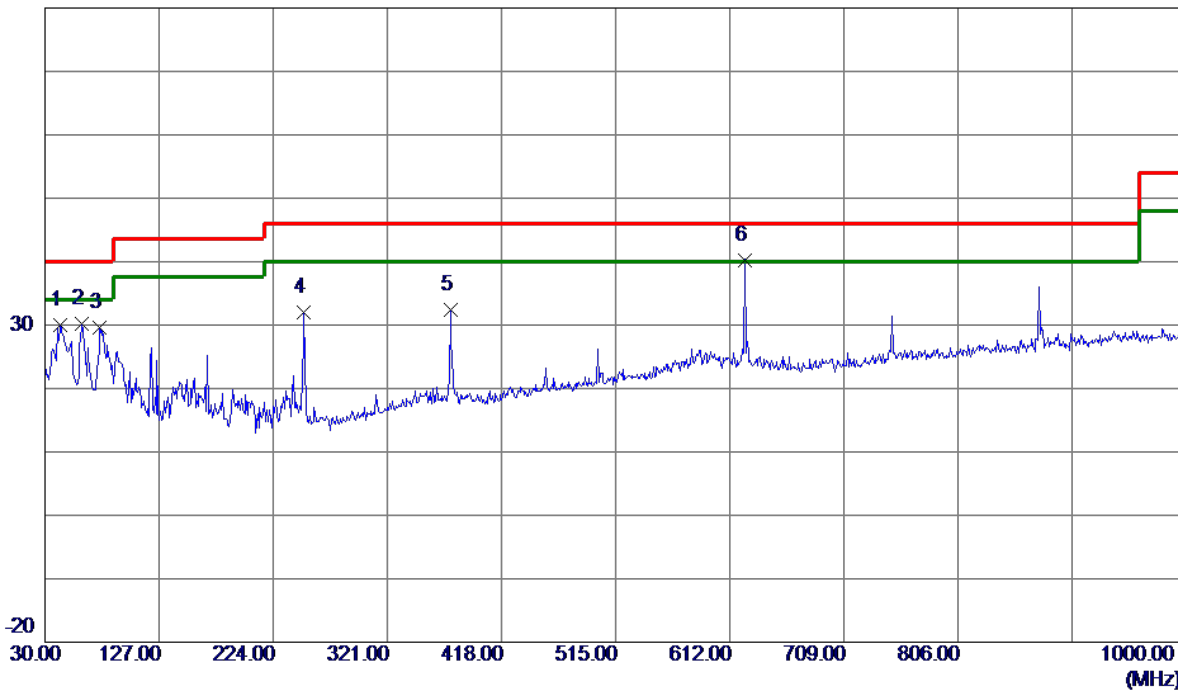


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	125.0600	45.04	-17.44	27.60	43.50	-15.90	Peak	
2	250.1900	54.07	-17.48	36.59	46.00	-9.41	Peak	
3 *	374.8350	53.08	-14.45	38.63	46.00	-7.37	Peak	
4	499.9650	41.42	-11.72	29.70	46.00	-16.30	Peak	
5	625.0949	48.01	-9.53	38.48	46.00	-7.52	Peak	
6	874.8700	43.20	-6.48	36.72	46.00	-9.28	Peak	

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

# Vertical

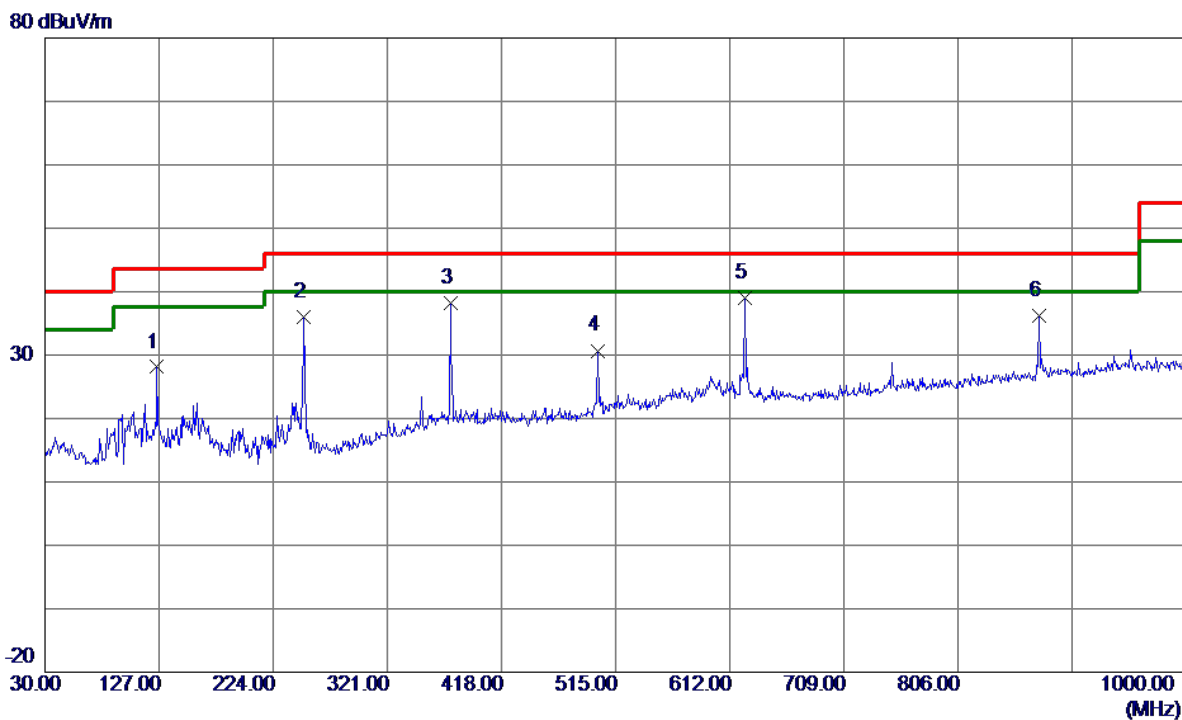
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	42.6100	46.80	-16.84	29.96	40.00	-10.04	Peak	
2	61.5250	48.30	-18.16	30.14	40.00	-9.86	Peak	
3	76.5600	50.18	-20.62	29.56	40.00	-10.44	Peak	
4	250.1900	49.48	-17.48	32.00	46.00	-14.00	Peak	
5	374.8350	46.91	-14.45	32.46	46.00	-13.54	Peak	
6 *	625.0949	49.67	-9.53	40.14	46.00	-5.86	QP	

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

### Horizontal

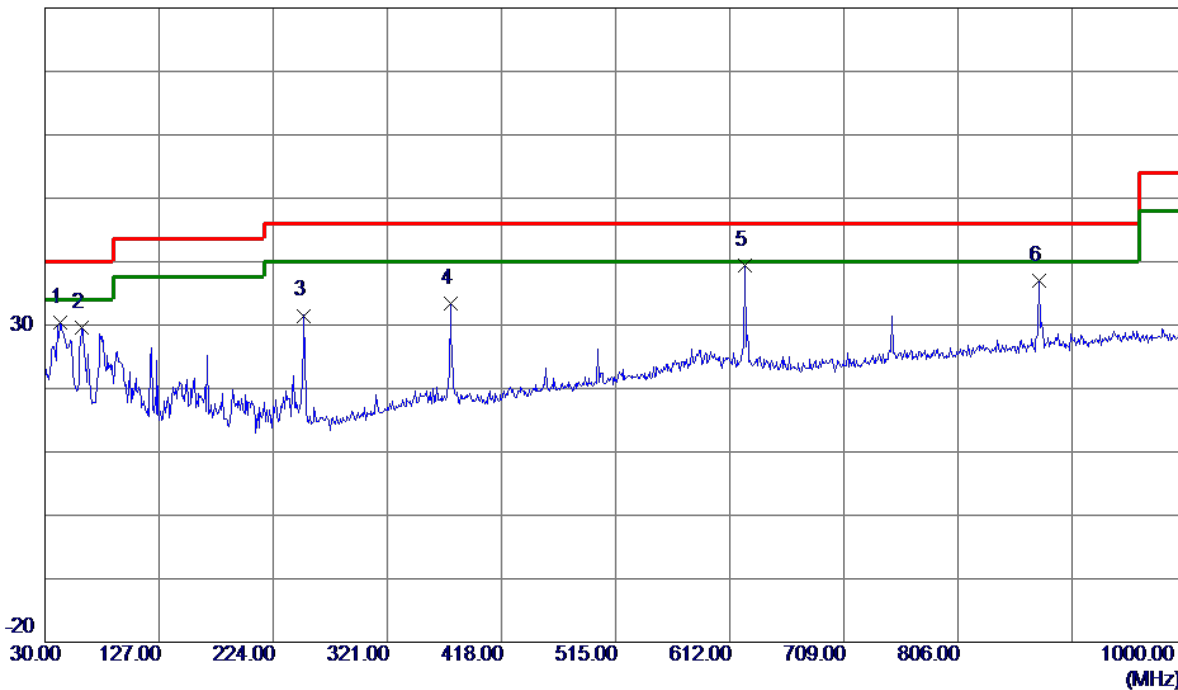


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	125.0600	45.54	-17.44	28.10	43.50	-15.40	Peak	
2	250.1900	53.57	-17.48	36.09	46.00	-9.91	Peak	
3	374.8350	52.58	-14.45	38.13	46.00	-7.87	Peak	
4	499.9650	42.42	-11.72	30.70	46.00	-15.30	Peak	
5 *	625.0949	48.51	-9.53	38.98	46.00	-7.02	Peak	
6	874.8700	42.70	-6.48	36.22	46.00	-9.78	Peak	

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

### Vertical

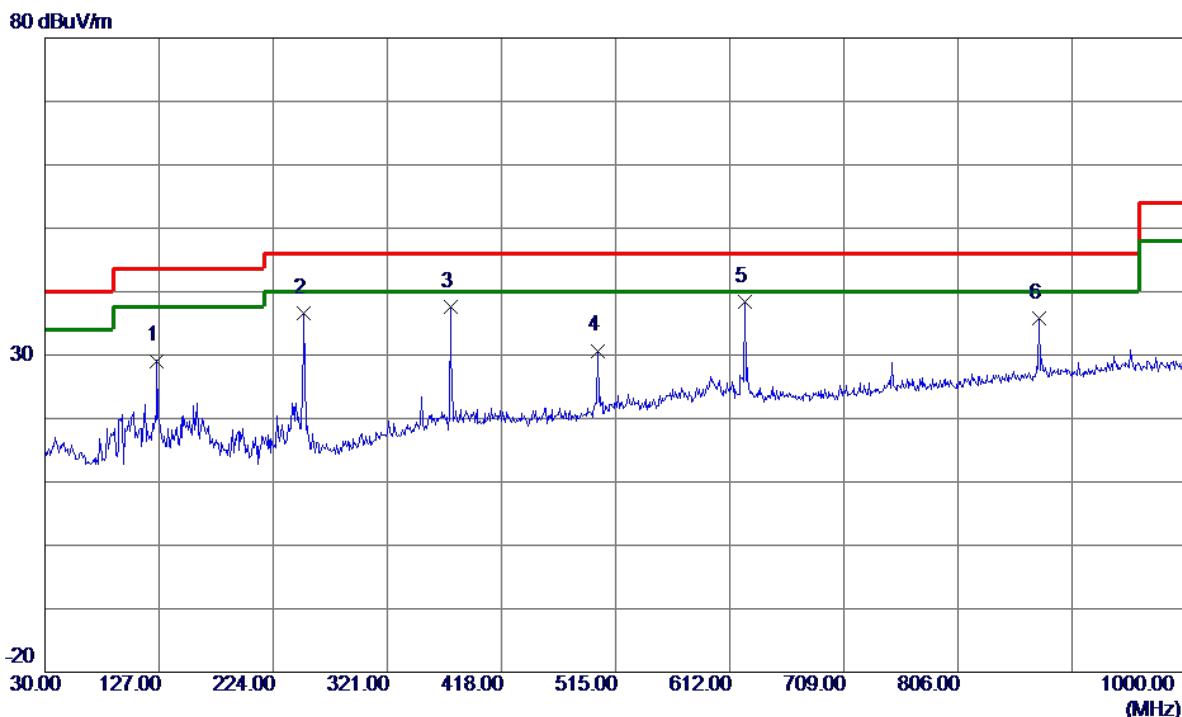
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	42.6100	47.30	-16.84	30.46	40.00	-9.54	Peak	
2	61.5250	47.80	-18.16	29.64	40.00	-10.36	Peak	
3	250.1900	48.98	-17.48	31.50	46.00	-14.50	Peak	
4	374.8350	47.91	-14.45	33.46	46.00	-12.54	Peak	
5 *	625.0949	48.97	-9.53	39.44	46.00	-6.56	Peak	
6	874.8700	43.43	-6.48	36.95	46.00	-9.05	Peak	

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

# Horizontal

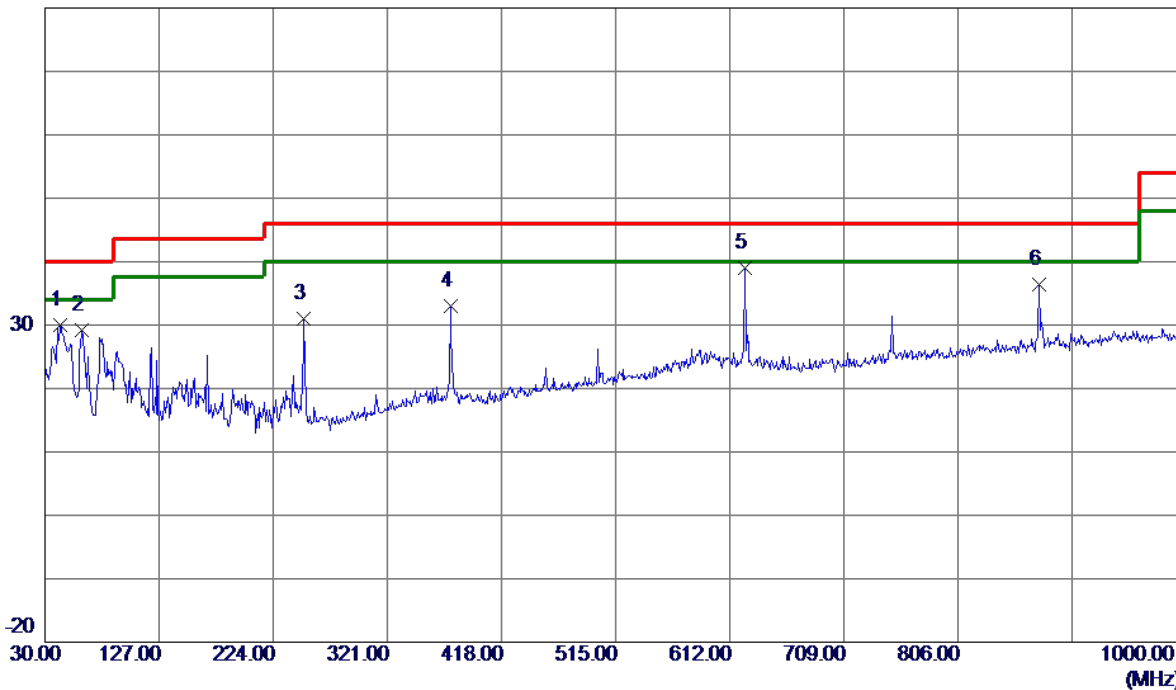


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	125.0600	46.54	-17.44	29.10	43.50	-14.40	Peak	
2	250.1900	54.07	-17.48	36.59	46.00	-9.41	Peak	
3	374.8350	52.08	-14.45	37.63	46.00	-8.37	Peak	
4	499.9650	42.42	-11.72	30.70	46.00	-15.30	Peak	
5 *	625.0949	48.01	-9.53	38.48	46.00	-7.52	Peak	
6	874.8700	42.20	-6.48	35.72	46.00	-10.28	Peak	

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

## Vertical

80 dBuV/m

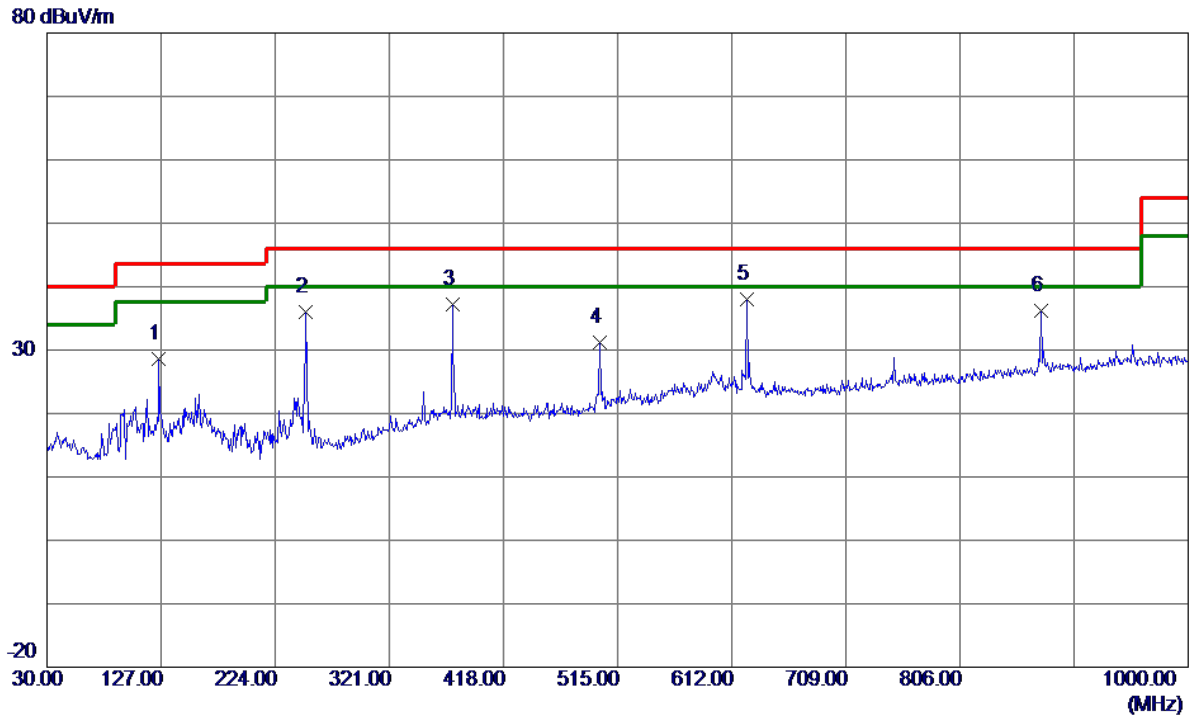


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	42.6100	46.80	-16.84	29.96	40.00	-10.04	Peak	
2	61.5250	47.30	-18.16	29.14	40.00	-10.86	Peak	
3	250.1900	48.48	-17.48	31.00	46.00	-15.00	Peak	
4	374.8350	47.41	-14.45	32.96	46.00	-13.04	Peak	
5 *	625.0949	48.47	-9.53	38.94	46.00	-7.06	Peak	
6	874.8700	42.93	-6.48	36.45	46.00	-9.55	Peak	



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

### Horizontal



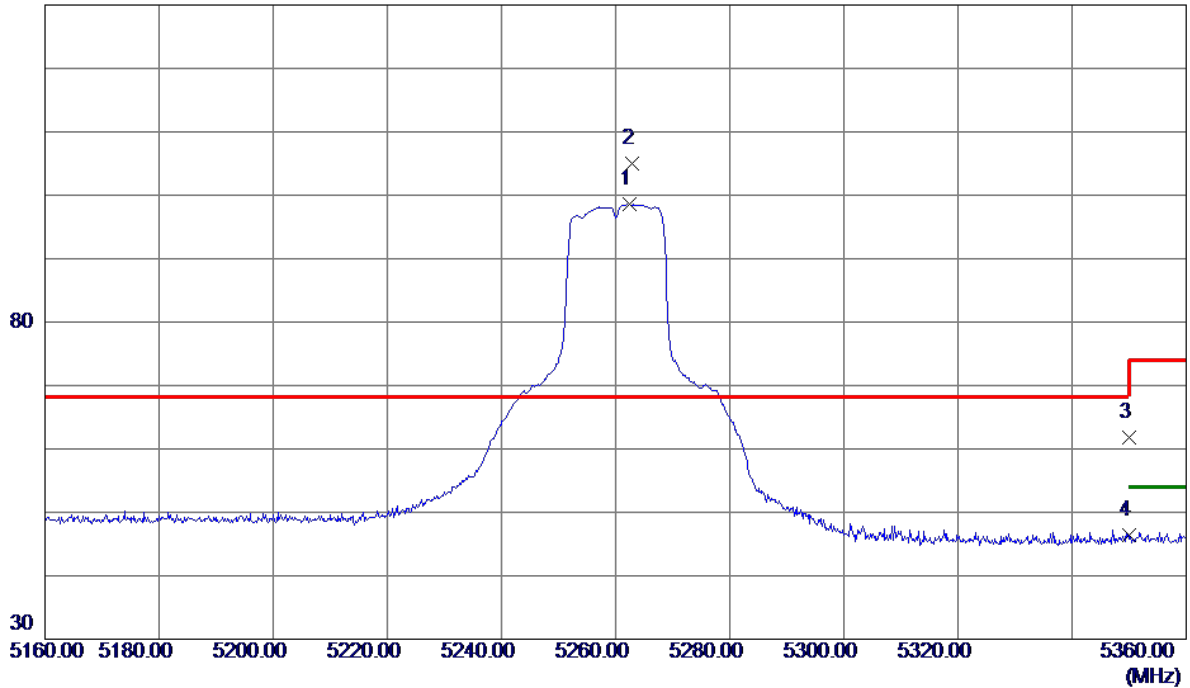
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	125.0600	46.04	-17.44	28.60	43.50	-14.90	Peak	
2	250.1900	53.57	-17.48	36.09	46.00	-9.91	Peak	
3	374.8350	51.58	-14.45	37.13	46.00	-8.87	Peak	
4	499.9650	42.92	-11.72	31.20	46.00	-14.80	Peak	
5 *	625.0949	47.51	-9.53	37.98	46.00	-8.02	Peak	
6	874.8700	42.70	-6.48	36.22	46.00	-9.78	Peak	

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

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

### Vertical

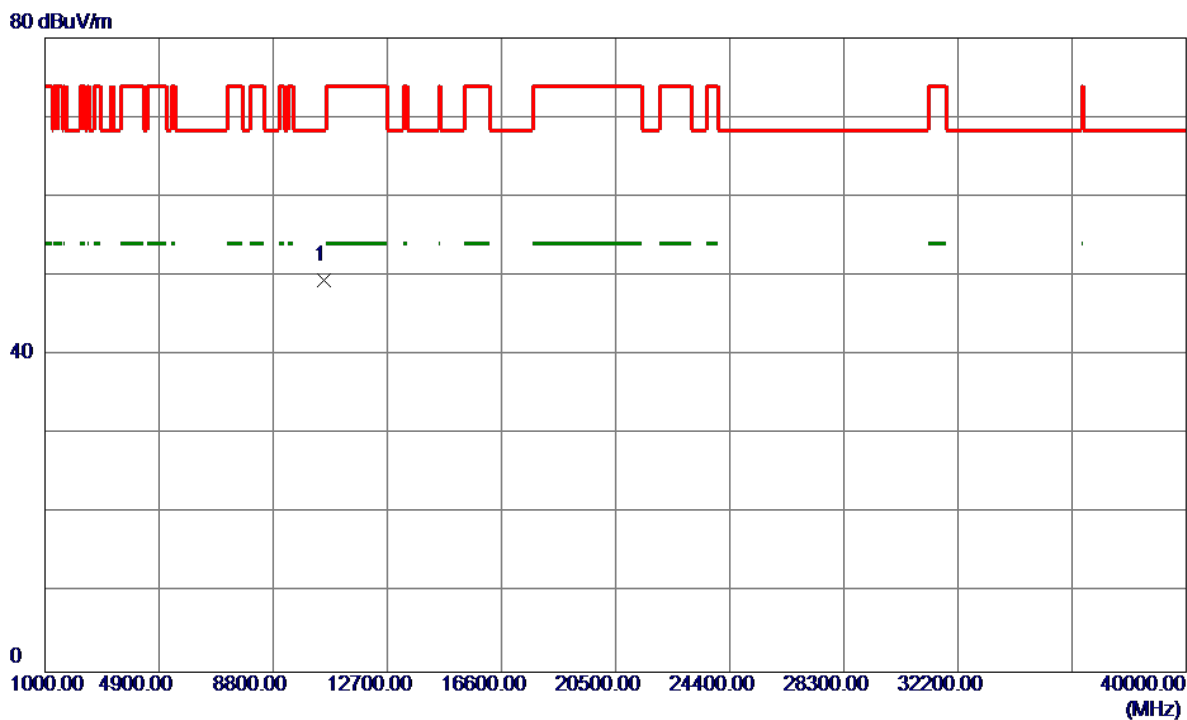
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5262.5000	59.16	39.37	98.53	999.00	-900.47	AVG	No Limit
2 *	5262.8000	65.62	39.37	104.99	68.30	36.69	Peak	No Limit
3	5350.0000	22.16	39.65	61.81	74.00	-12.19	Peak	
4	5350.0000	6.78	39.65	46.43	999.00	-952.57	AVG	

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

Vertical

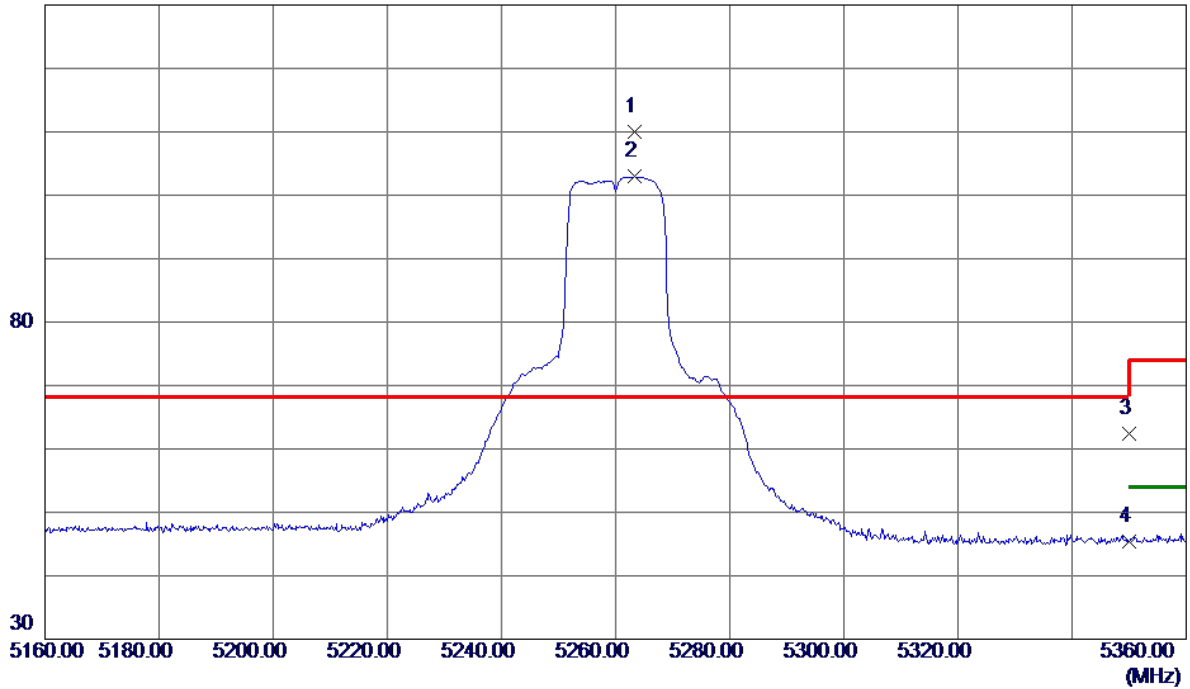


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10521.3500	47.75	1.69	49.44	68.30	-18.86	Peak	

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

### Horizontal

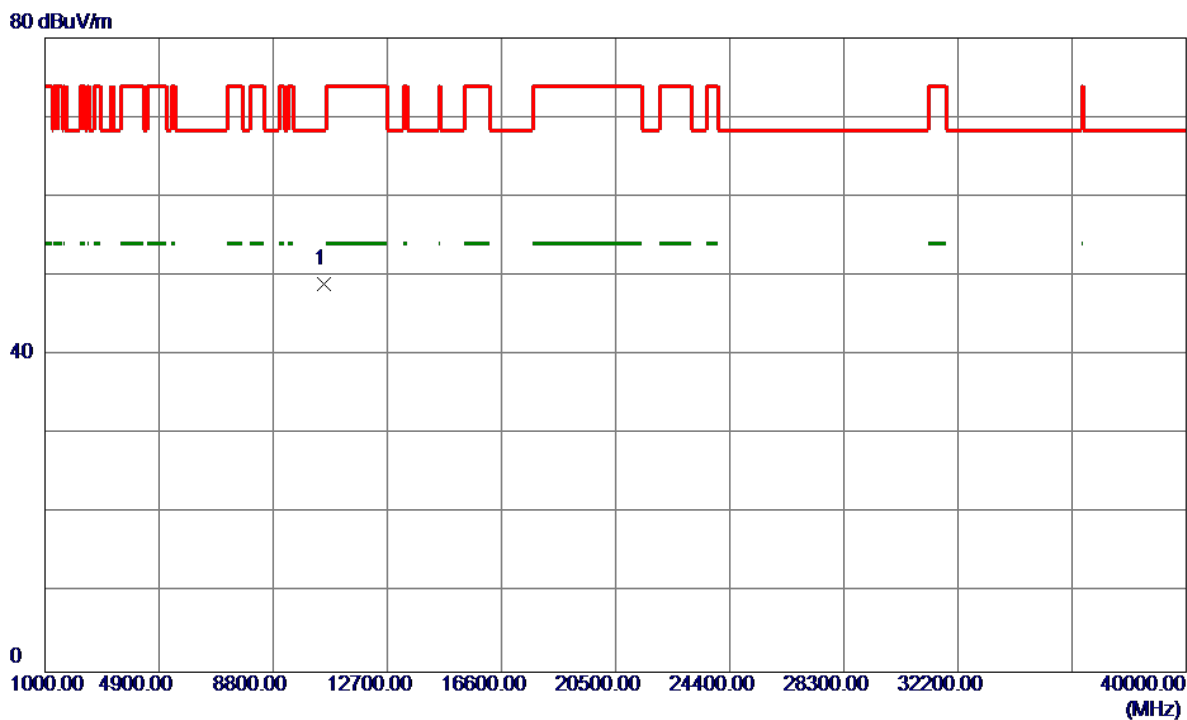
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5263.2500	70.60	39.37	109.97	68.30	41.67	Peak	No Limit
2	5263.3000	63.58	39.37	102.95	999.00	-896.05	AVG	No Limit
3	5350.0000	22.83	39.65	62.48	74.00	-11.52	Peak	
4	5350.0000	5.74	39.65	45.39	999.00	-953.61	AVG	

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

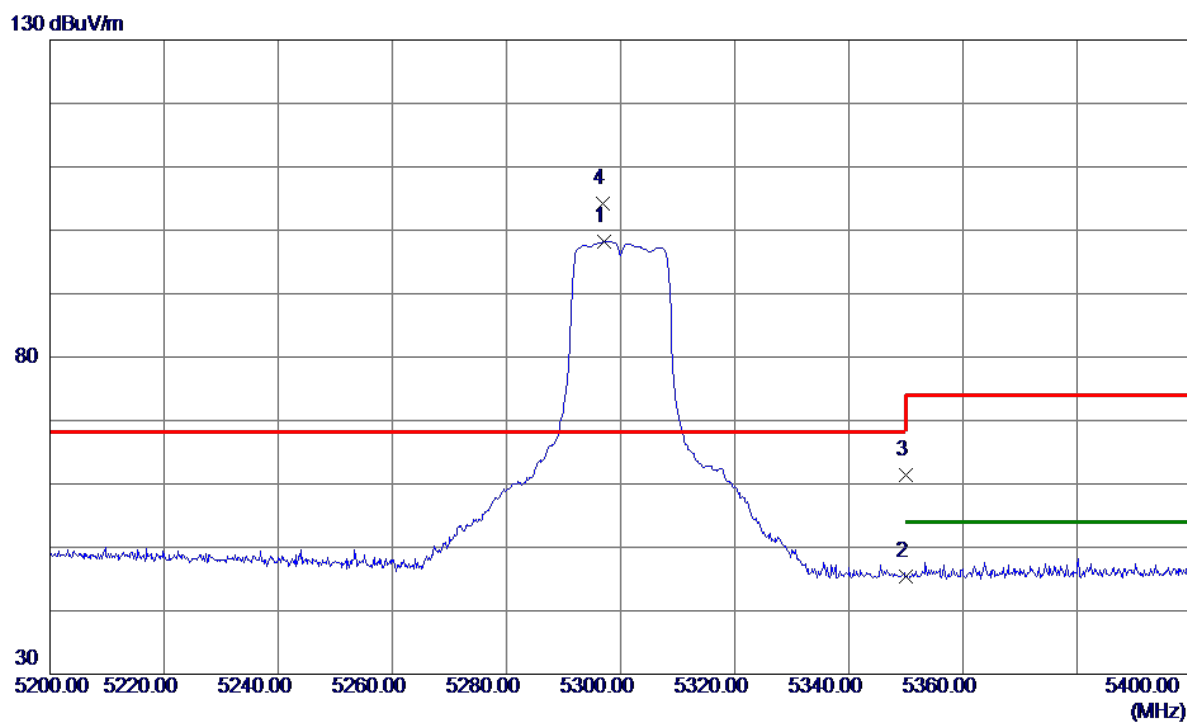
### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10520.1700	47.19	1.69	48.88	68.30	-19.42	Peak	

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

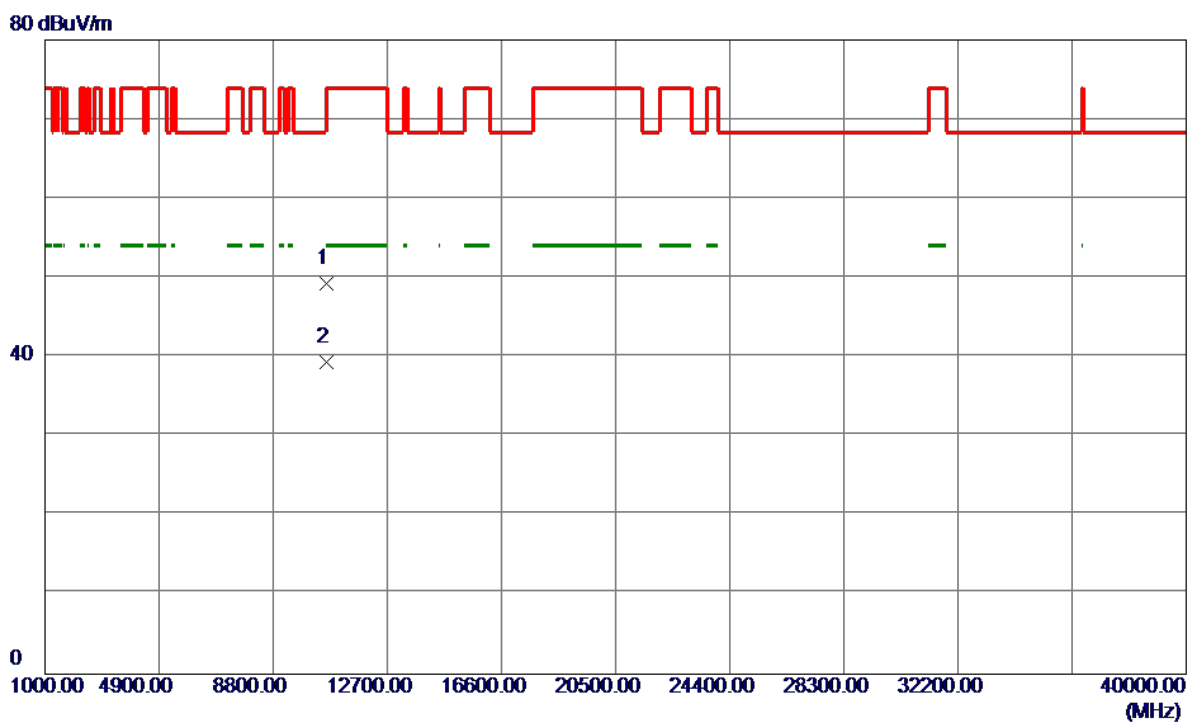
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5297.2000	58.73	39.48	98.21	999.00	-900.79	AVG	No Limit
2	5350.0000	5.68	39.65	45.33	999.00	-953.67	AVG	
3	5350.0000	21.84	39.65	61.49	74.00	-12.51	Peak	
4 *	5296.8000	64.77	39.48	104.25	68.30	35.95	Peak	No Limit

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

### Vertical

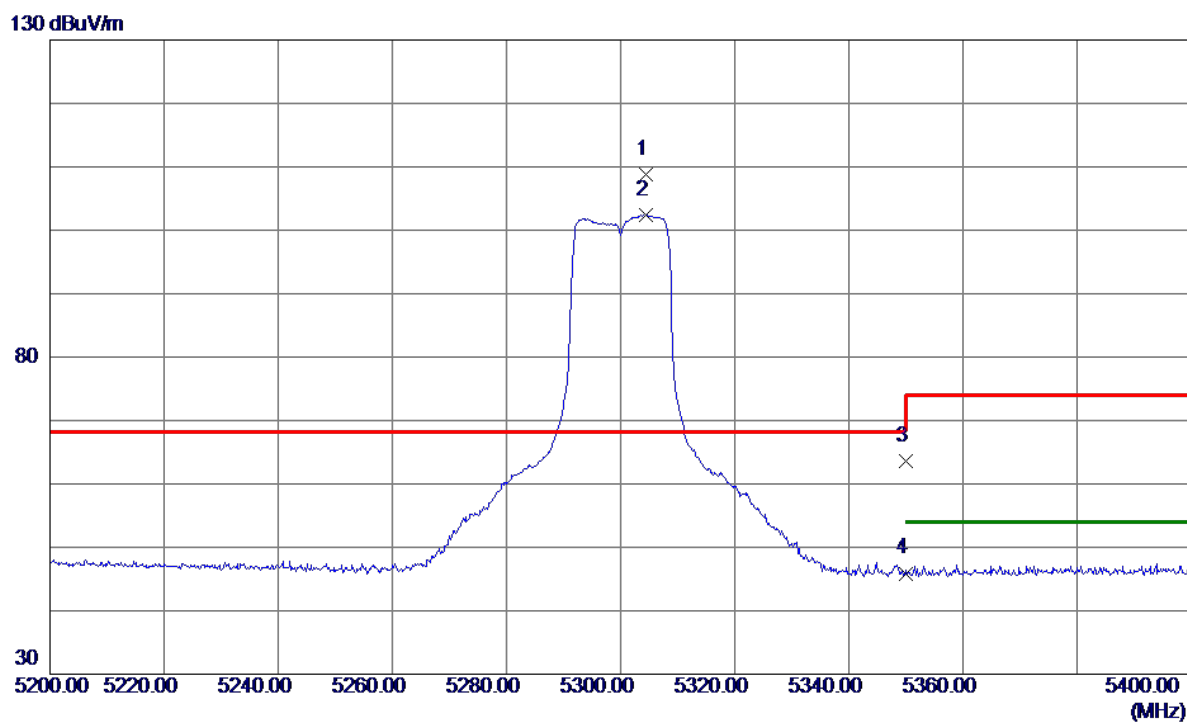


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10601.3500	47.42	1.82	49.24	74.00	-24.76	Peak	
2 *	10600.4100	37.52	1.82	39.34	54.00	-14.66	AVG	



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

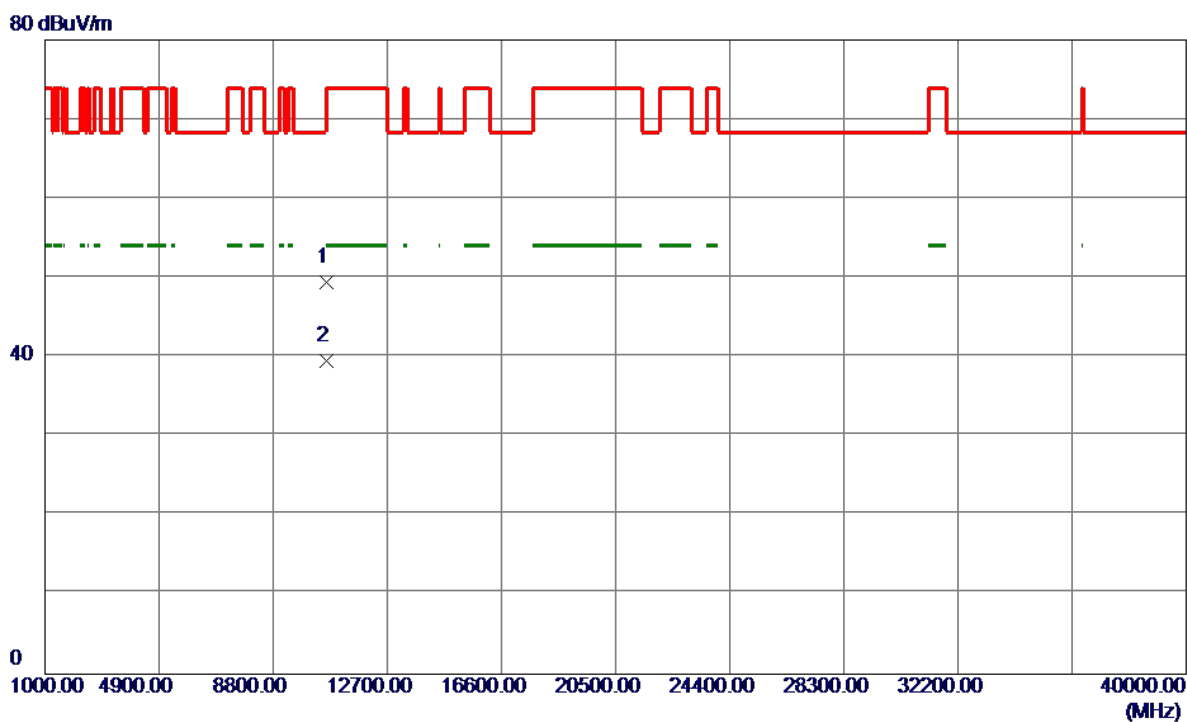
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5304.4000	69.26	39.50	108.76	68.30	40.46	Peak	No Limit
2	5304.5000	62.84	39.50	102.34	999.00	-896.66	AVG	No Limit
3	5350.0000	24.01	39.65	63.66	74.00	-10.34	Peak	
4	5350.0000	6.25	39.65	45.90	999.00	-953.10	AVG	

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

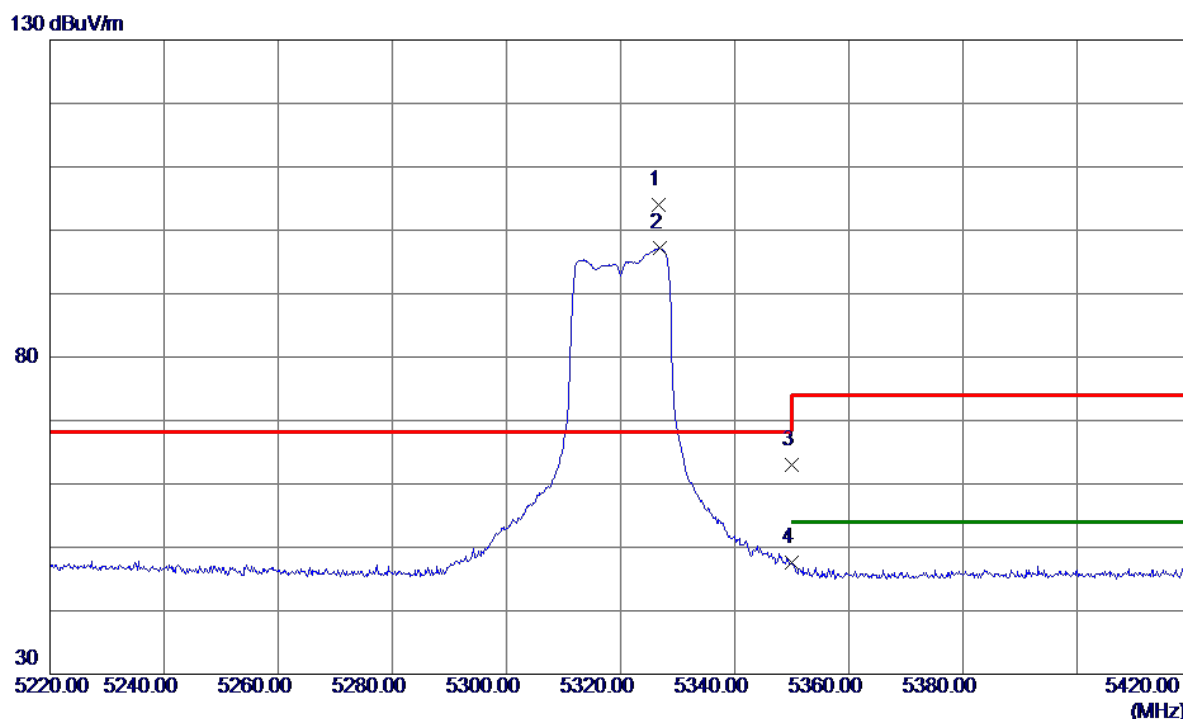
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10601.1100	47.60	1.82	49.42	74.00	-24.58	Peak	
2 *	10602.5199	37.67	1.82	39.49	54.00	-14.51	AVG	

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

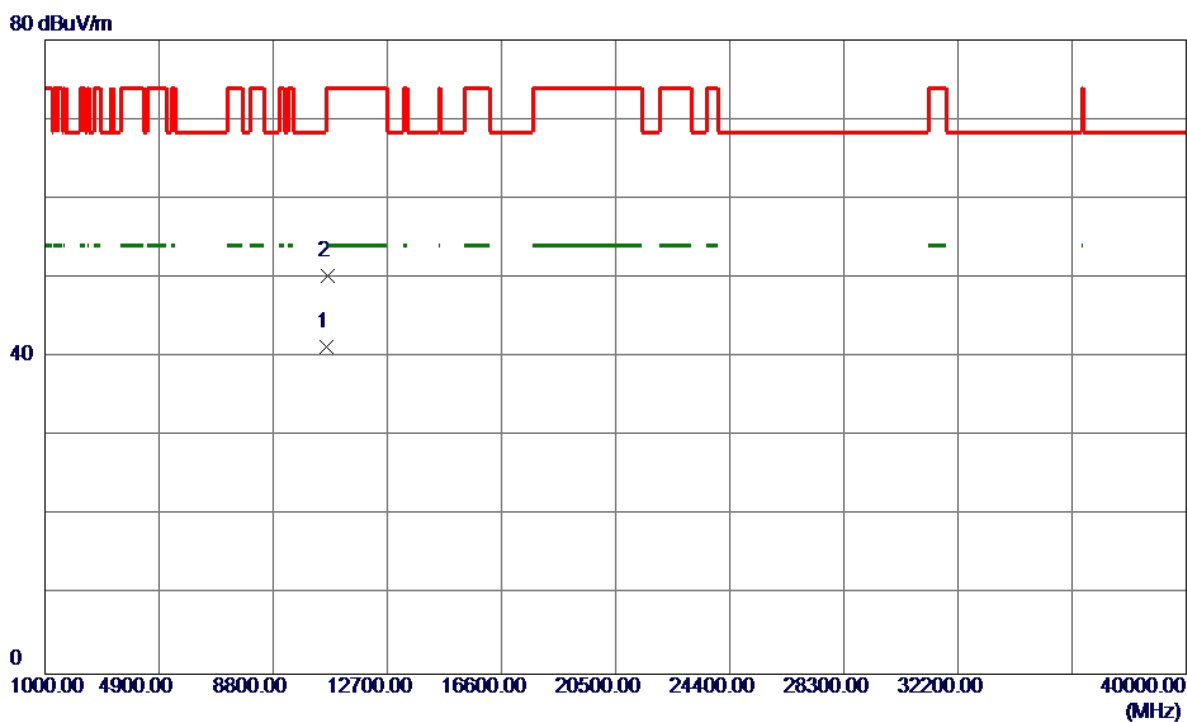
# Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5326.6000	64.49	39.57	104.06	68.30	35.76	Peak	No Limit
2	5326.8000	57.58	39.58	97.16	999.00	-901.84	AVG	No Limit
3	5350.0000	23.39	39.65	63.04	74.00	-10.96	Peak	
4	5350.0000	7.86	39.65	47.51	999.00	-951.49	AVG	

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

# Vertical

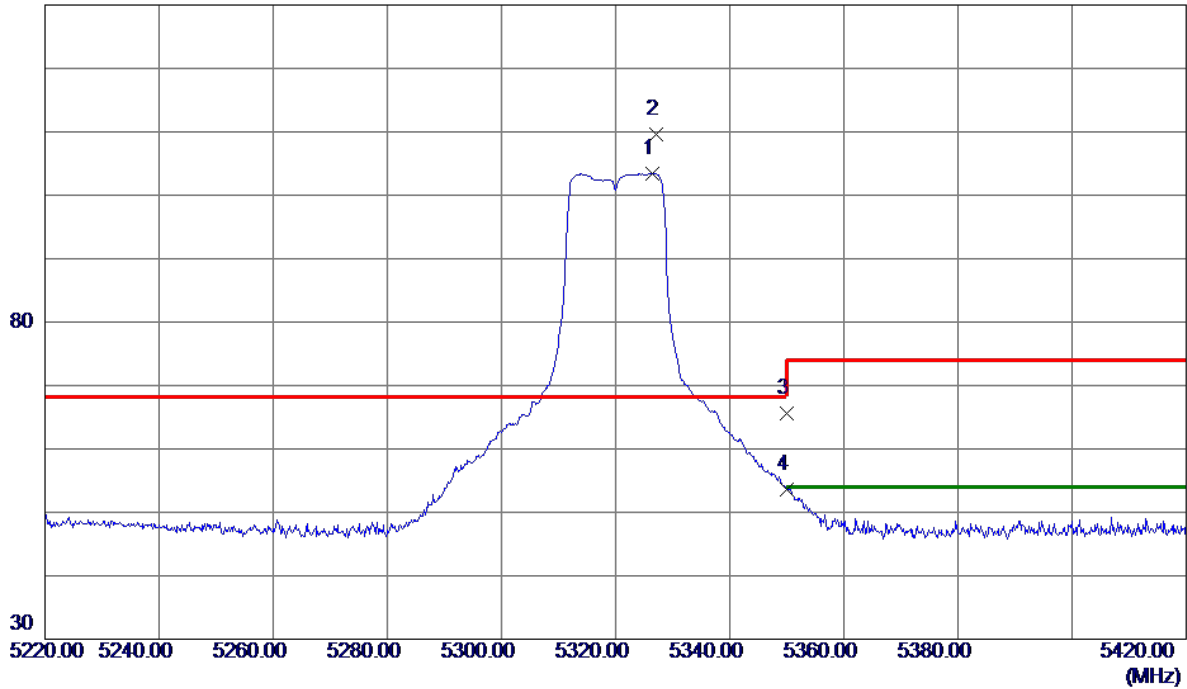


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10640.8000	39.46	1.89	41.35	54.00	-12.65	AVG	
2	10641.8500	48.38	1.89	50.27	74.00	-23.73	Peak	

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

### Horizontal

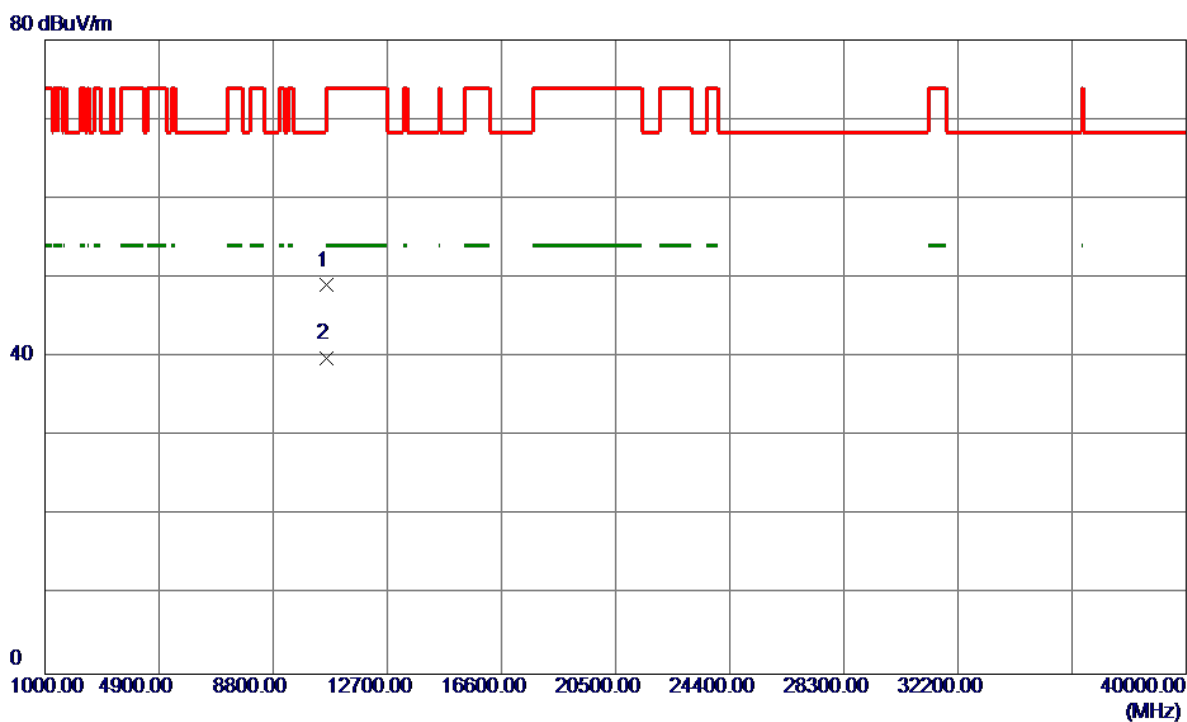
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5326.5000	63.90	39.57	103.47	999.00	-895.53	AVG	No Limit
2 *	5327.1500	69.94	39.58	109.52	68.30	41.22	Peak	No Limit
3	5350.0000	26.02	39.65	65.67	74.00	-8.33	Peak	
4	5350.0000	14.04	39.65	53.69	999.00	-945.31	AVG	

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

### Horizontal

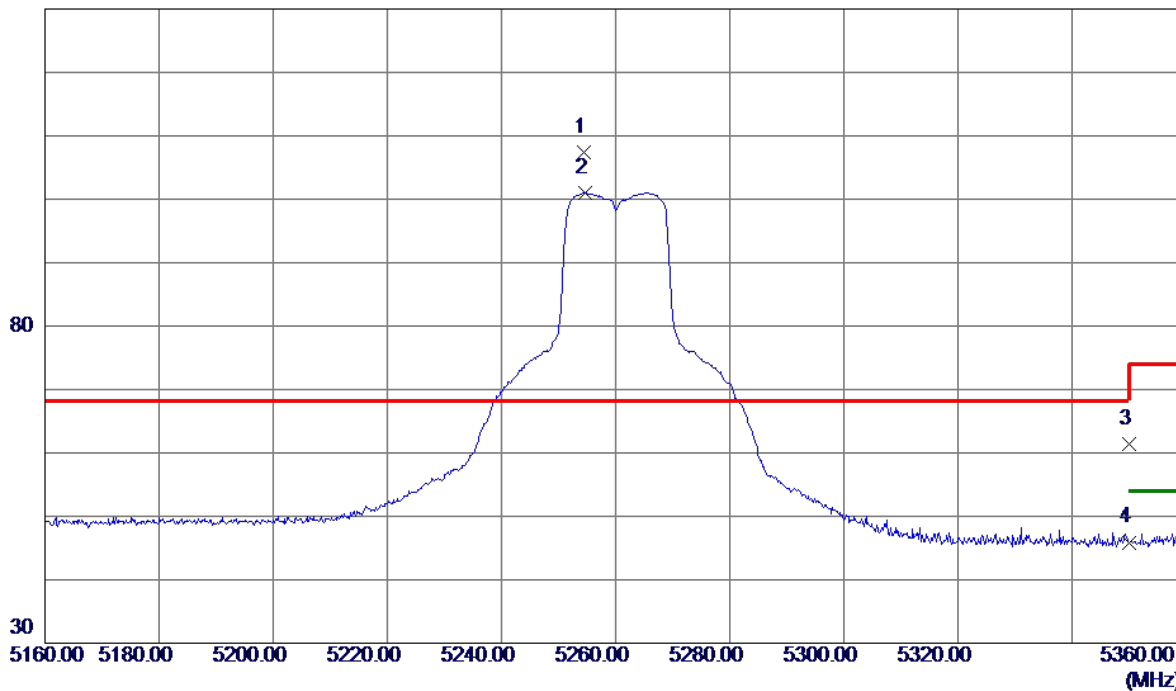


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10639.0500	47.16	1.88	49.04	74.00	-24.96	Peak	
2 *	10641.5100	38.00	1.89	39.89	54.00	-14.11	AVG	

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

### Vertical

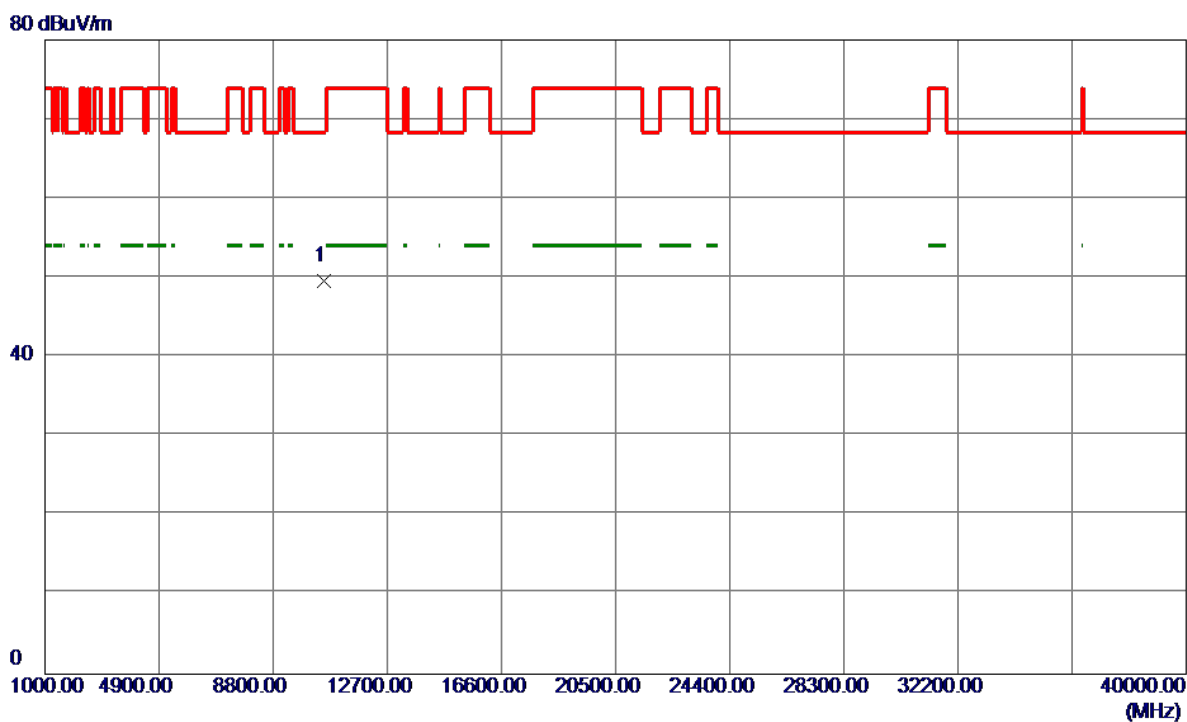
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5254.4000	67.99	39.34	107.33	68.30	39.03	Peak	No Limit
2	5254.6000	61.68	39.34	101.02	999.00	-897.98	AVG	No Limit
3	5350.0000	21.70	39.65	61.35	74.00	-12.65	Peak	
4	5350.0000	6.25	39.65	45.90	999.00	-953.10	AVG	

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

# Vertical

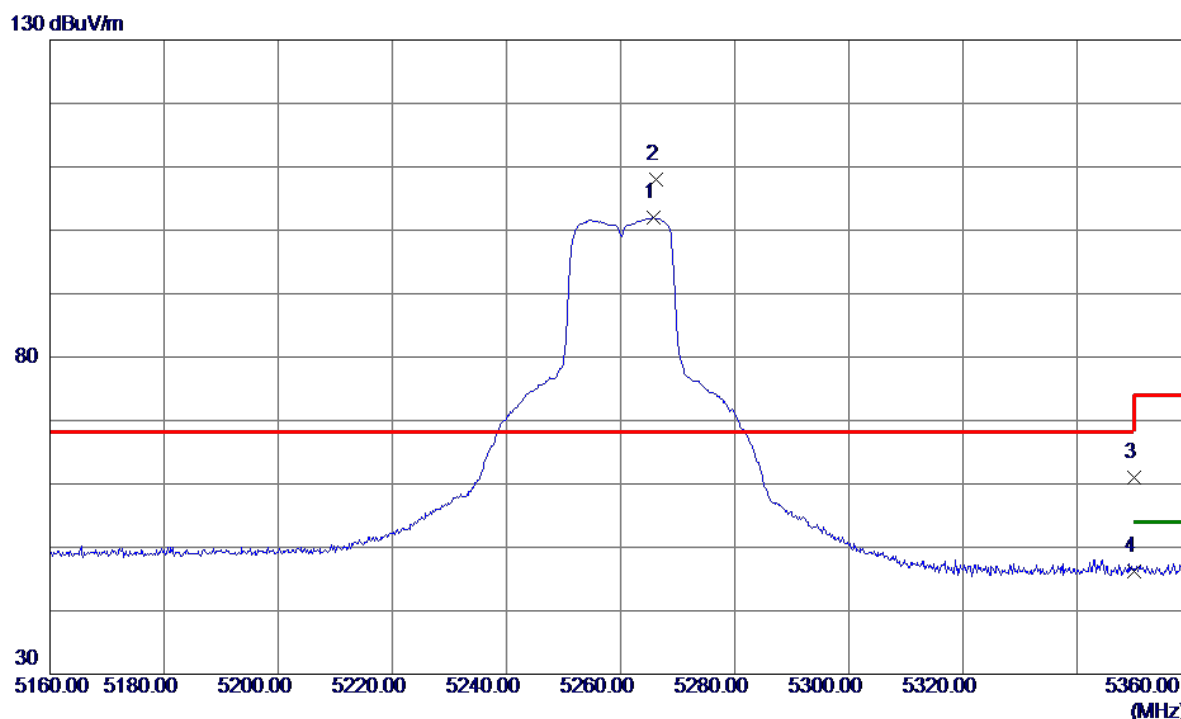


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10519.6000	47.91	1.69	49.60	68.30	-18.70	Peak	



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

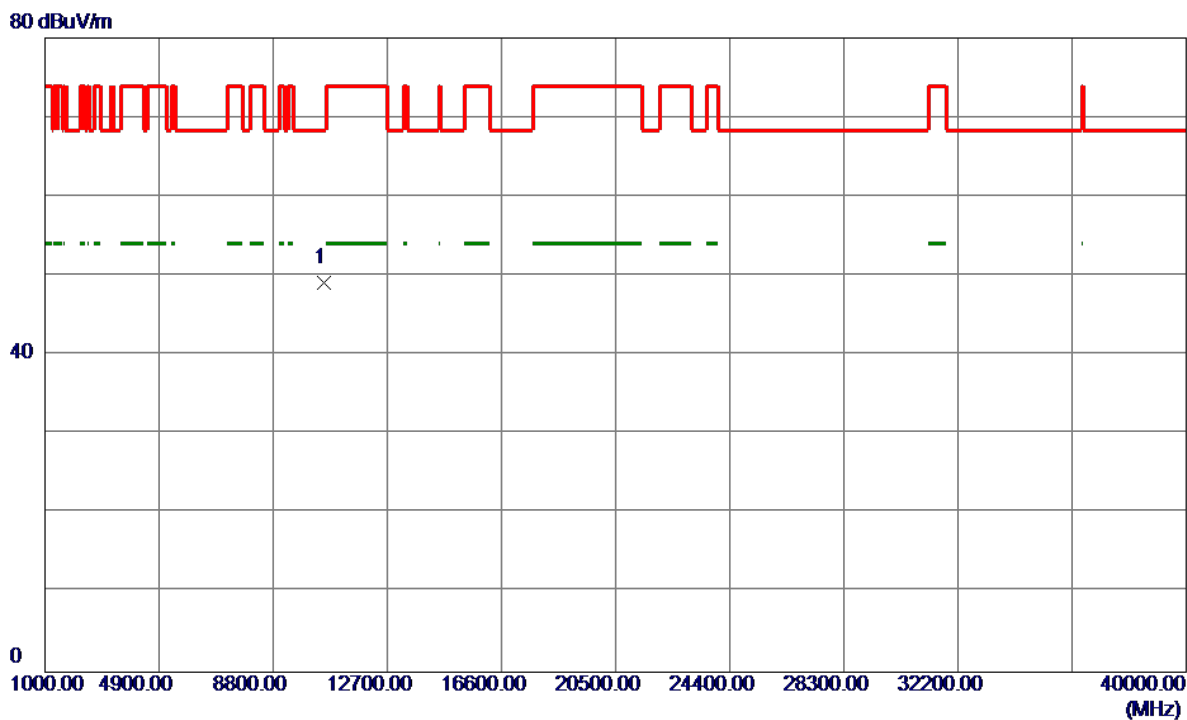
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5265.7000	62.56	39.38	101.94	999.00	-897.06	AVG	No Limit
2 *	5266.2000	68.66	39.38	108.04	68.30	39.74	Peak	No Limit
3	5350.0000	21.29	39.65	60.94	74.00	-13.06	Peak	
4	5350.0000	6.58	39.65	46.23	999.00	-952.77	AVG	

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

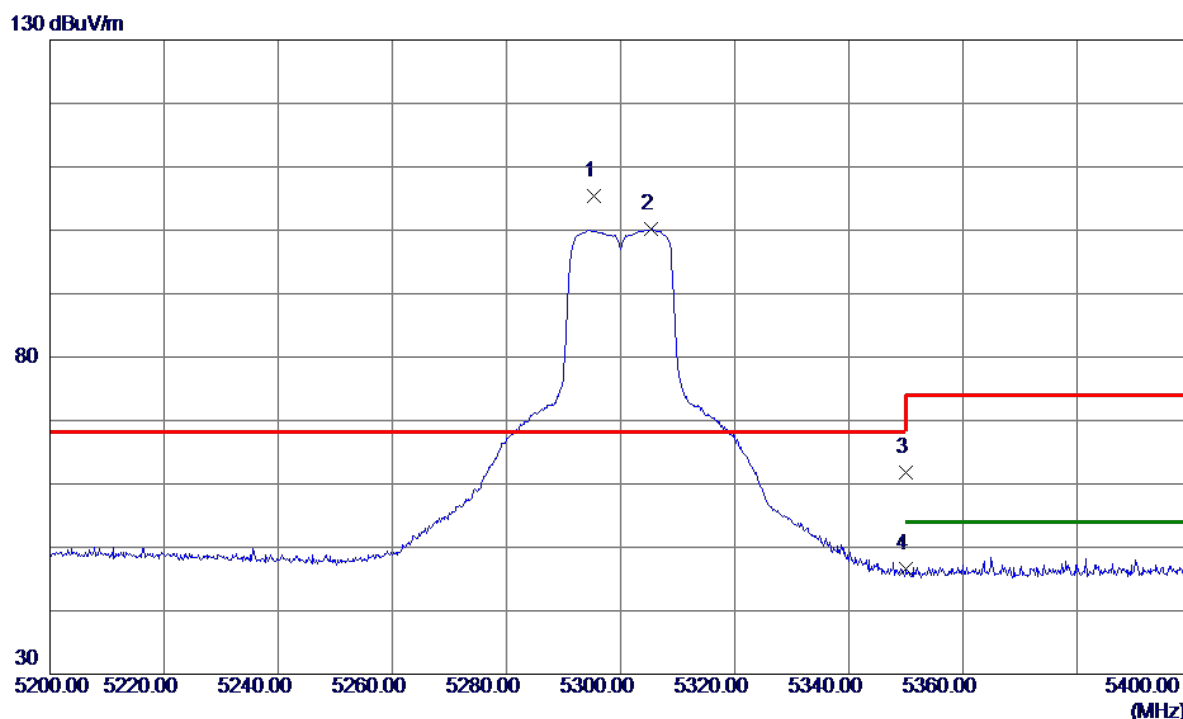
### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10521.8800	47.42	1.69	49.11	68.30	-19.19	Peak	

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

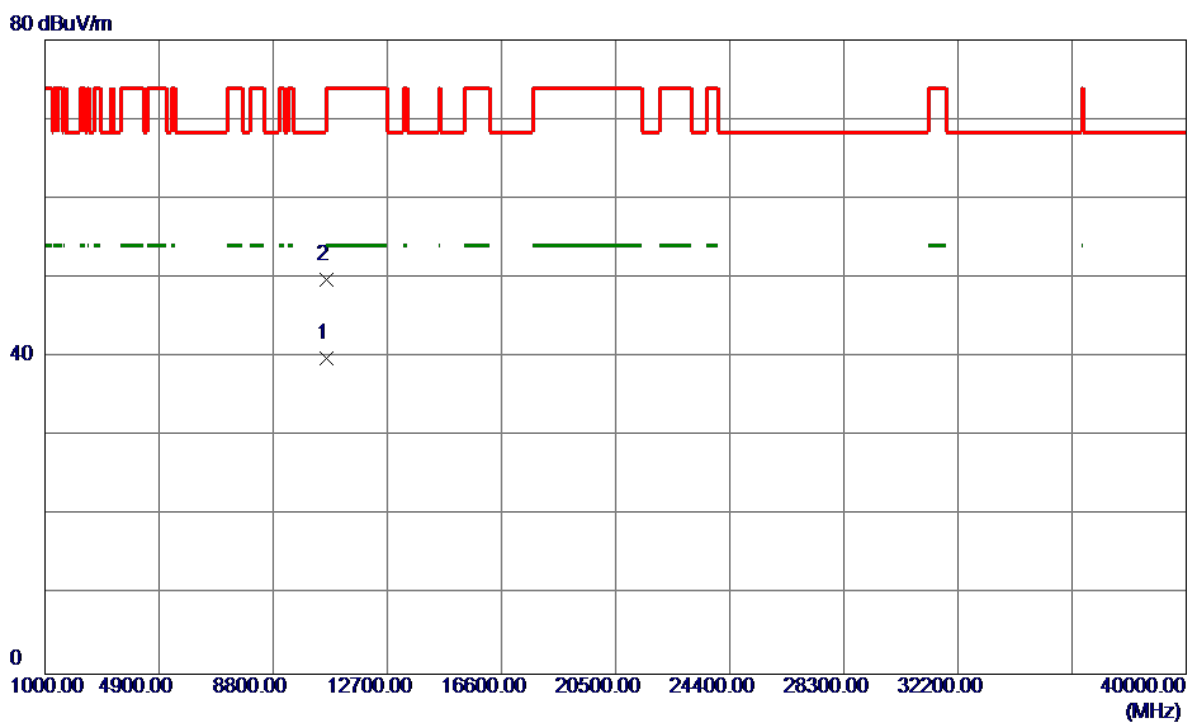
# Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5295.3000	65.99	39.47	105.46	68.30	37.16	Peak	No Limit
2	5305.4000	60.66	39.51	100.17	999.00	-898.83	AVG	No Limit
3	5350.0000	22.06	39.65	61.71	74.00	-12.29	Peak	
4	5350.0000	7.03	39.65	46.68	999.00	-952.32	AVG	

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

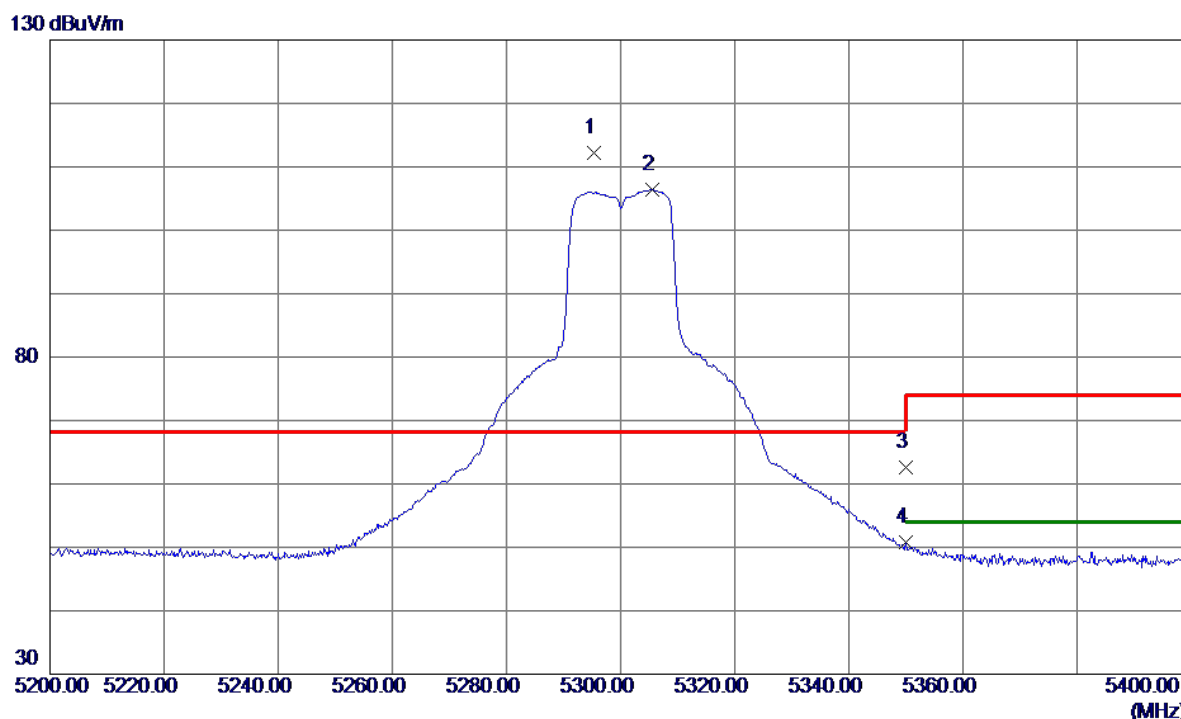
### Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10600.9700	38.04	1.82	39.86	54.00	-14.14	AVG	
2	10604.5900	47.95	1.83	49.78	74.00	-24.22	Peak	

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

### Horizontal

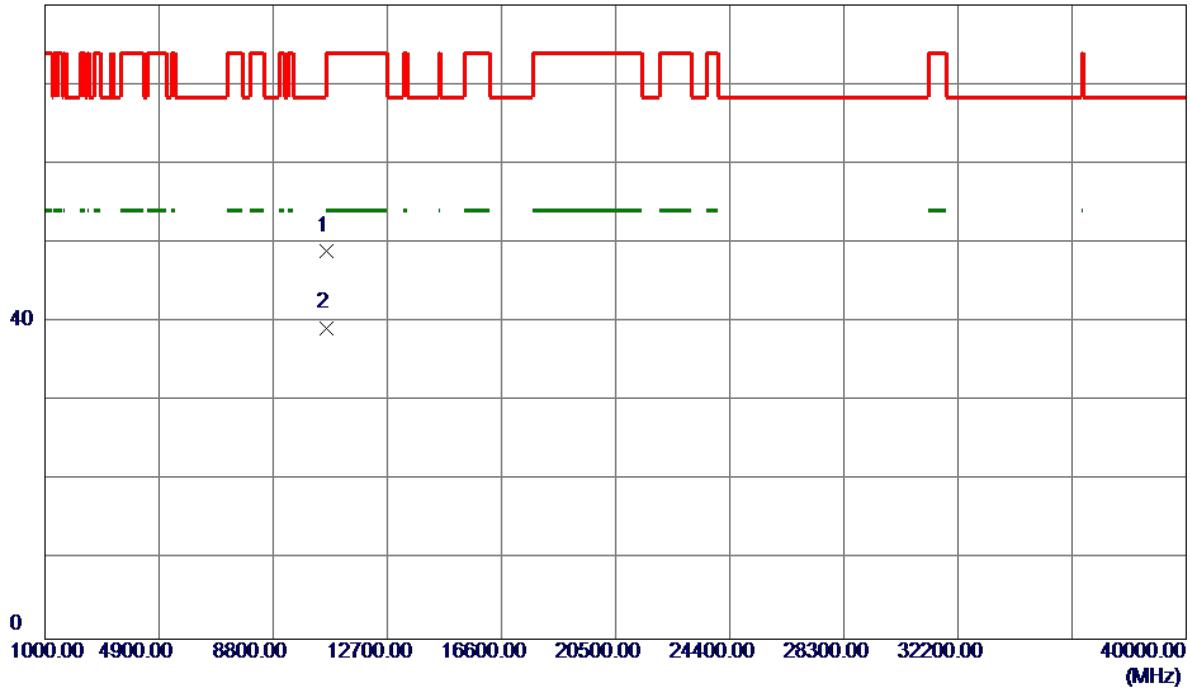


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5295.3000	72.68	39.47	112.15	68.30	43.85	Peak	No Limit
2	5305.5000	66.88	39.51	106.39	999.00	-892.61	AVG	No Limit
3	5350.0000	23.03	39.65	62.68	74.00	-11.32	Peak	
4	5350.0000	11.08	39.65	50.73	999.00	-948.27	AVG	

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

### Horizontal

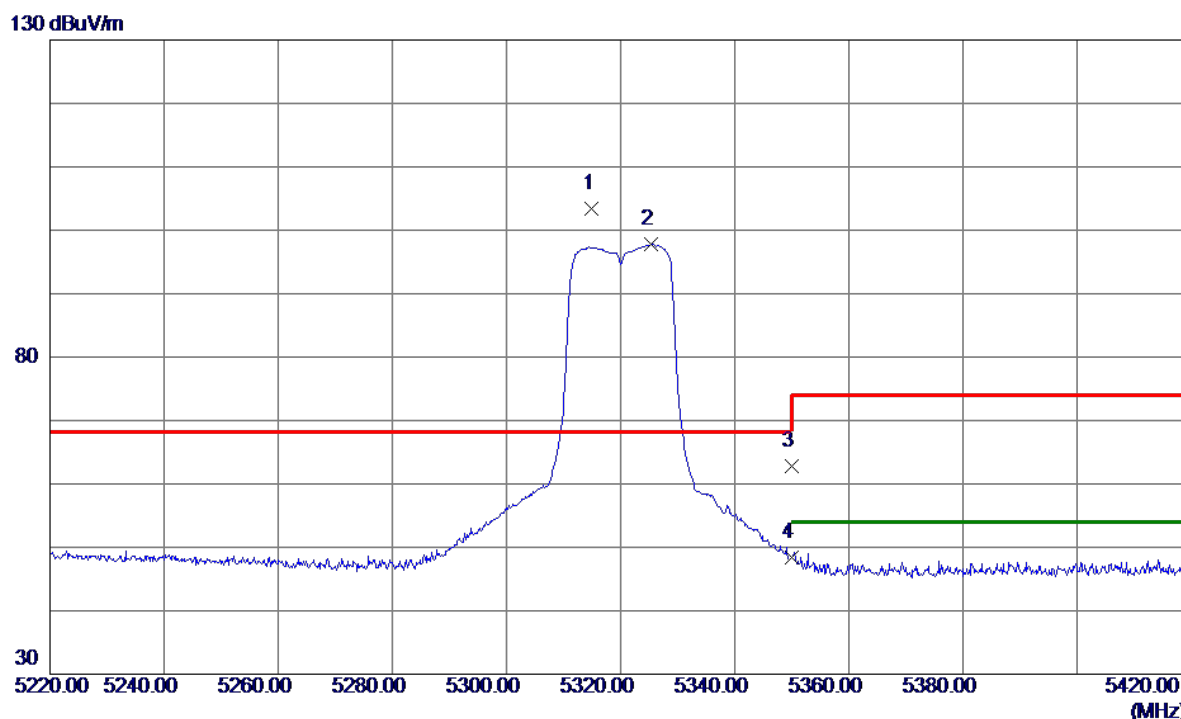
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10604.6430	47.13	1.83	48.96	74.00	-25.04	Peak	
2 *	10604.6929	37.45	1.83	39.28	54.00	-14.72	AVG	

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

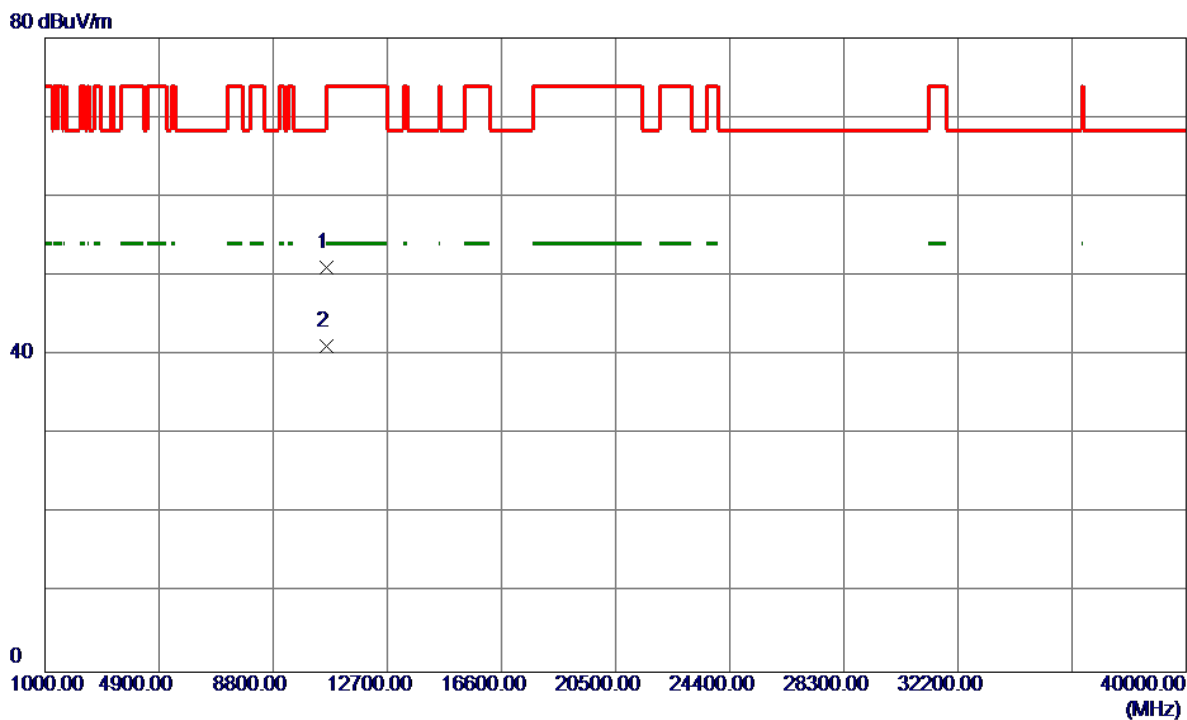
# Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5315.0000	63.81	39.54	103.35	68.30	35.05	Peak	No Limit
2	5325.3000	58.16	39.57	97.73	999.00	-901.27	AVG	No Limit
3	5350.0000	23.22	39.65	62.87	74.00	-11.13	Peak	
4	5350.0000	8.80	39.65	48.45	999.00	-950.55	AVG	

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

### Vertical



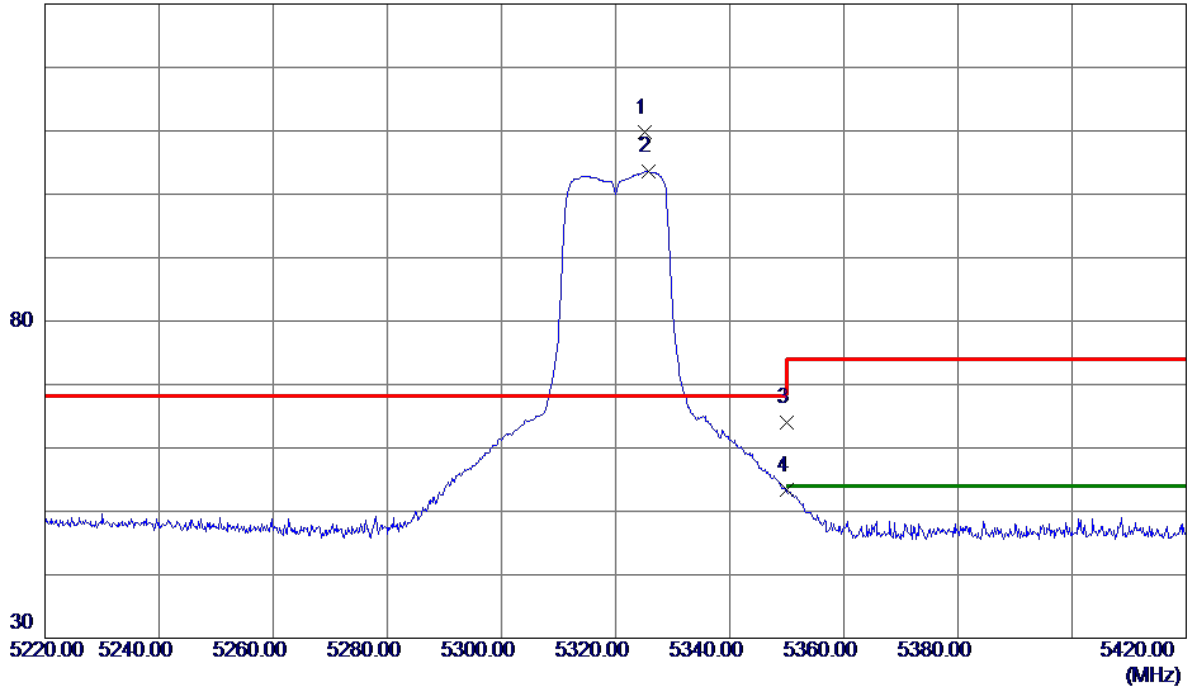
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10639.0800	49.15	1.88	51.03	74.00	-22.97	Peak	
2 *	10641.2100	39.22	1.89	41.11	54.00	-12.89	AVG	



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

### Horizontal

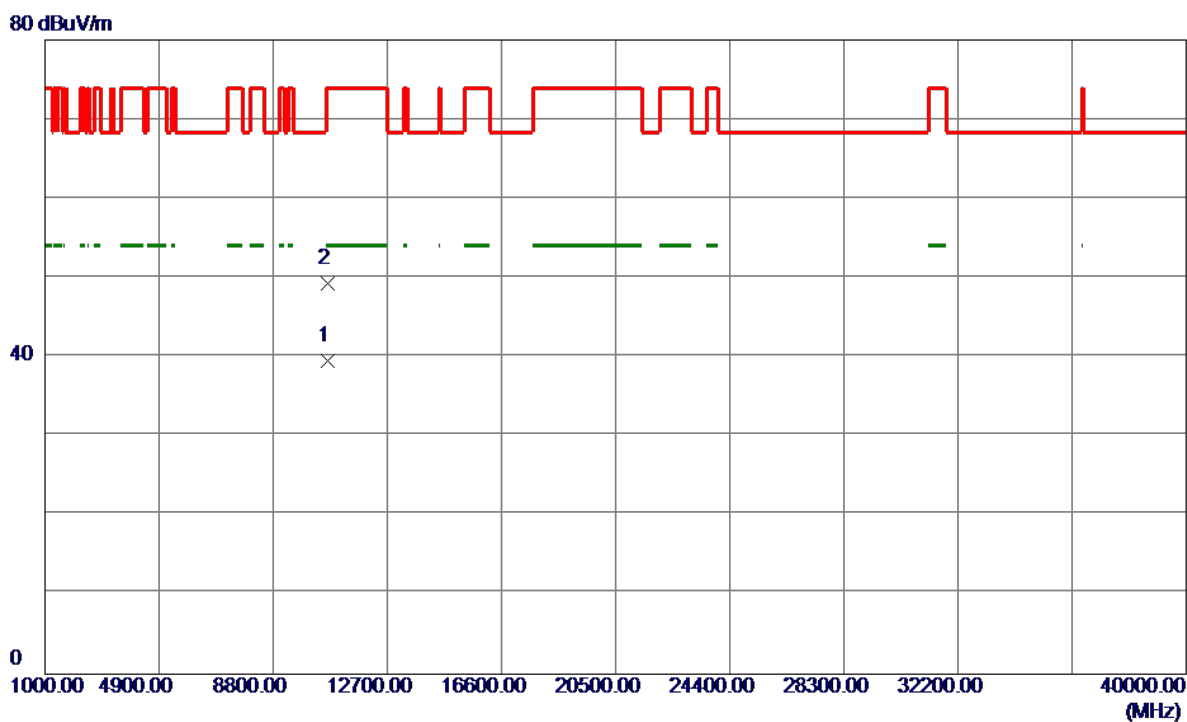
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5325.1000	70.13	39.57	109.70	68.30	41.40	Peak	No Limit
2	5325.7000	64.05	39.57	103.62	999.00	-895.38	AVG	No Limit
3	5350.0000	24.30	39.65	63.95	74.00	-10.05	Peak	
4	5350.0000	13.65	39.65	53.30	999.00	-945.70	AVG	

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

### Horizontal

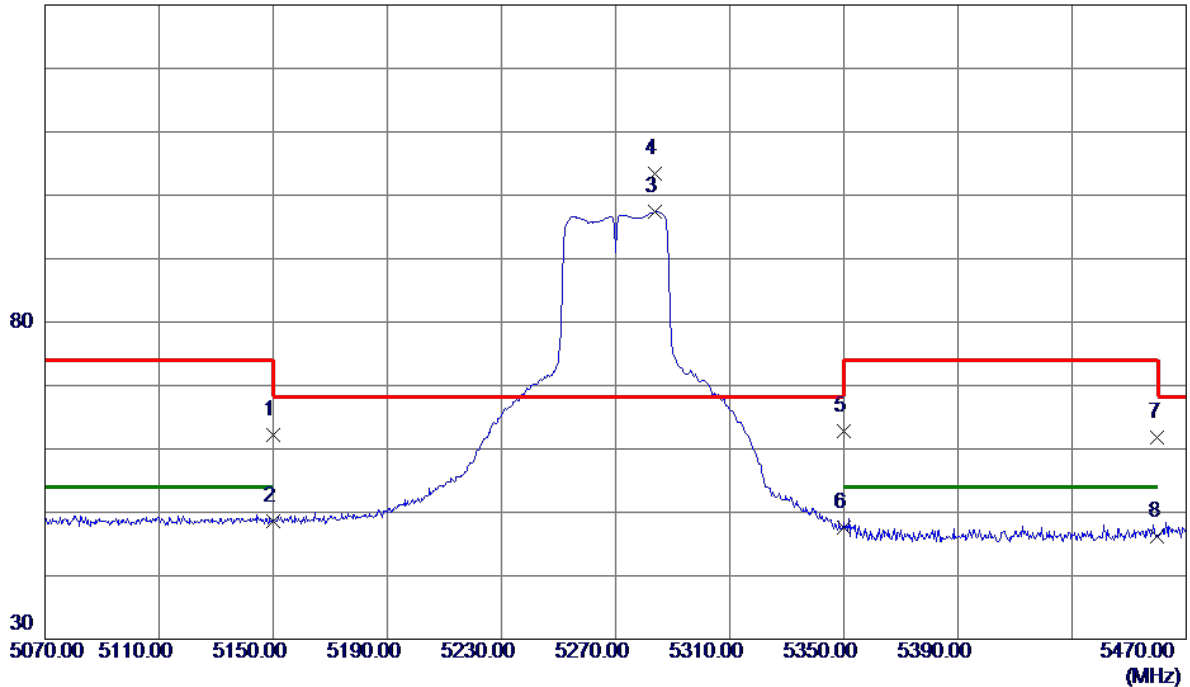


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10642.2100	37.63	1.89	39.52	54.00	-14.48	AVG	
2	10644.5100	47.45	1.89	49.34	74.00	-24.66	Peak	

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

### Vertical

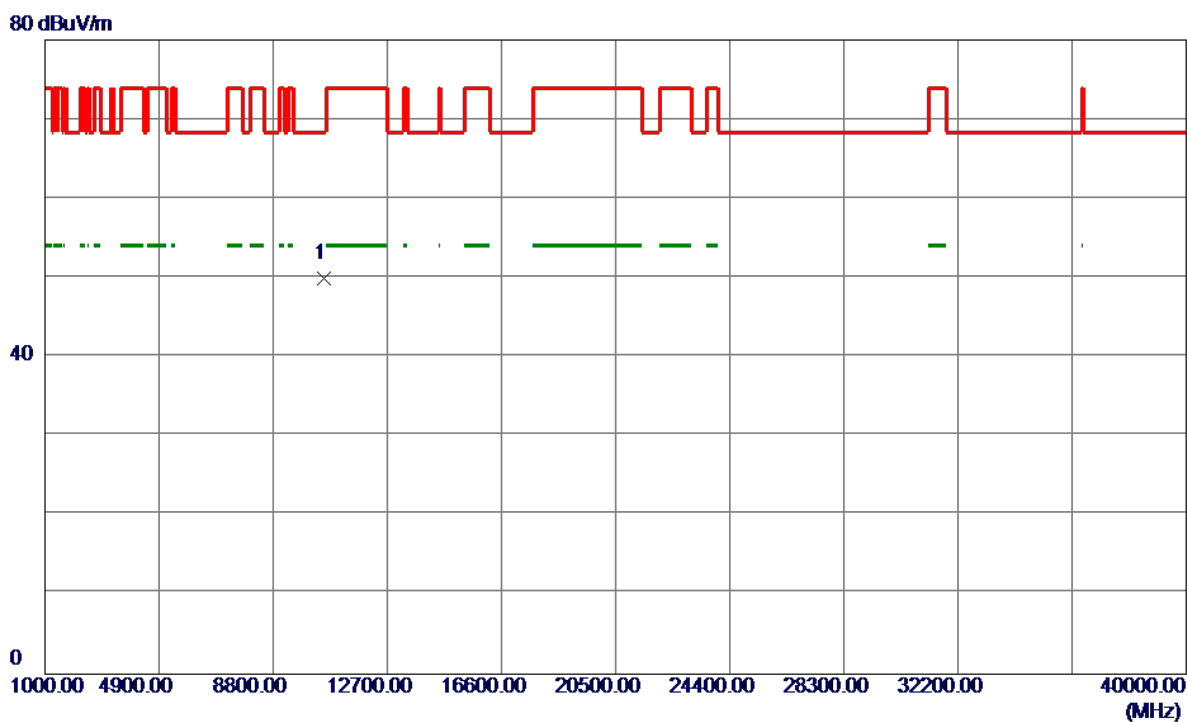
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.27	39.00	62.27	74.00	-11.73	Peak	
2	5150.0000	9.62	39.00	48.62	54.00	-5.38	AVG	
3	5283.6000	57.95	39.43	97.38	999.00	-901.62	AVG	No Limit
4 *	5283.8000	64.00	39.44	103.44	68.30	35.14	Peak	No Limit
5	5350.0000	23.21	39.65	62.86	74.00	-11.14	Peak	
6	5350.0000	8.01	39.65	47.66	999.00	-951.34	AVG	
7	5460.0000	21.76	40.01	61.77	74.00	-12.23	Peak	
8	5460.0000	6.28	40.01	46.29	54.00	-7.71	AVG	

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

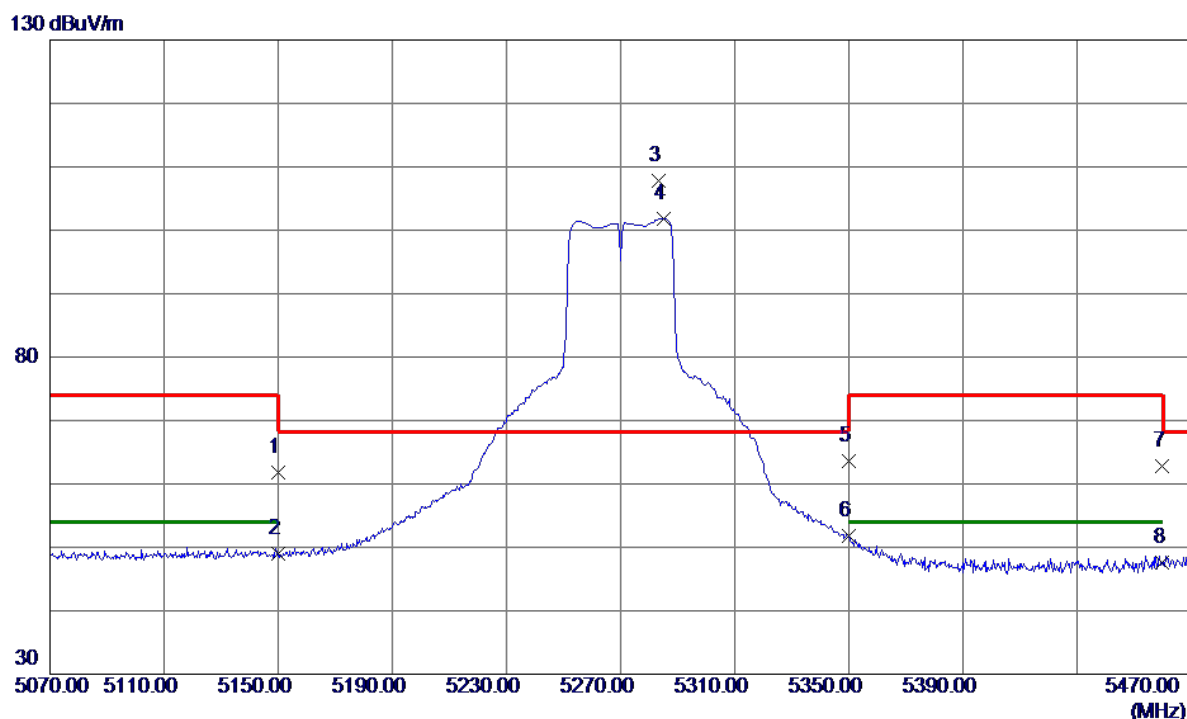
# Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10538.0800	48.23	1.72	49.95	68.30	-18.35	Peak	

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

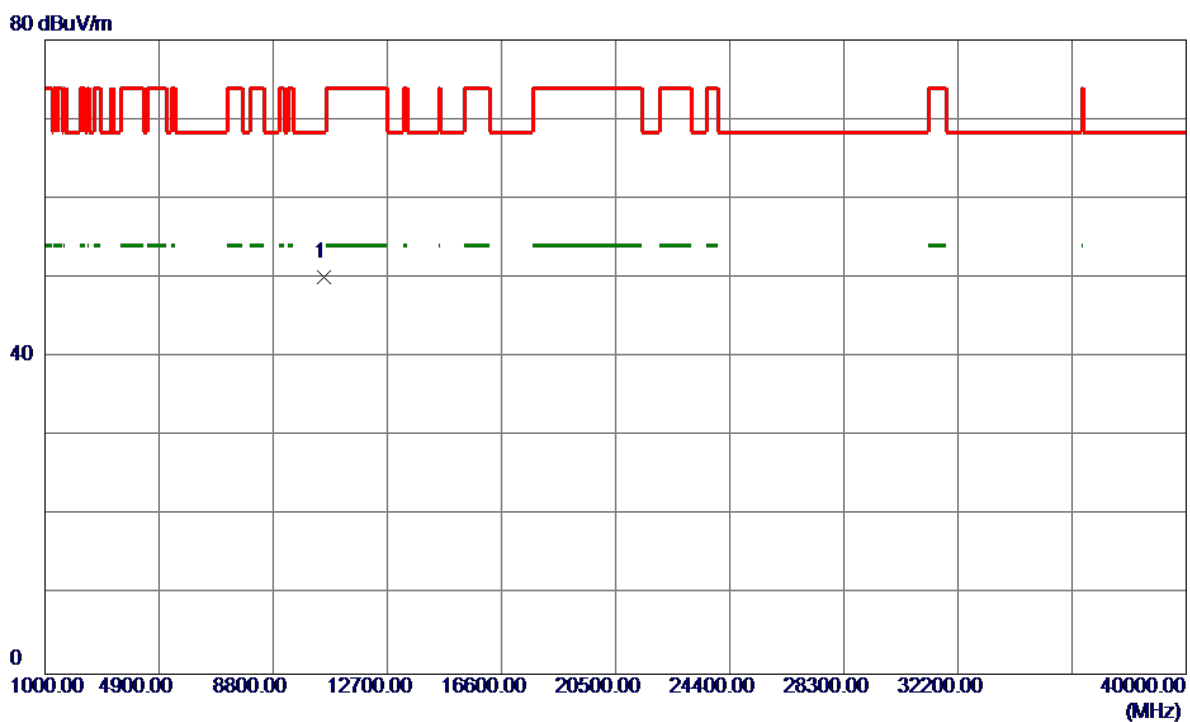
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.76	39.00	61.76	74.00	-12.24	Peak	
2	5150.0000	10.00	39.00	49.00	54.00	-5.00	AVG	
3 *	5283.2000	68.32	39.43	107.75	68.30	39.45	Peak	No Limit
4	5285.0000	62.39	39.44	101.83	999.00	-897.17	AVG	No Limit
5	5350.0000	24.01	39.65	63.66	74.00	-10.34	Peak	
6	5350.0000	12.12	39.65	51.77	999.00	-947.23	AVG	
7	5460.0000	22.72	40.01	62.73	74.00	-11.27	Peak	
8	5460.0000	7.63	40.01	47.64	54.00	-6.36	AVG	

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

### Horizontal

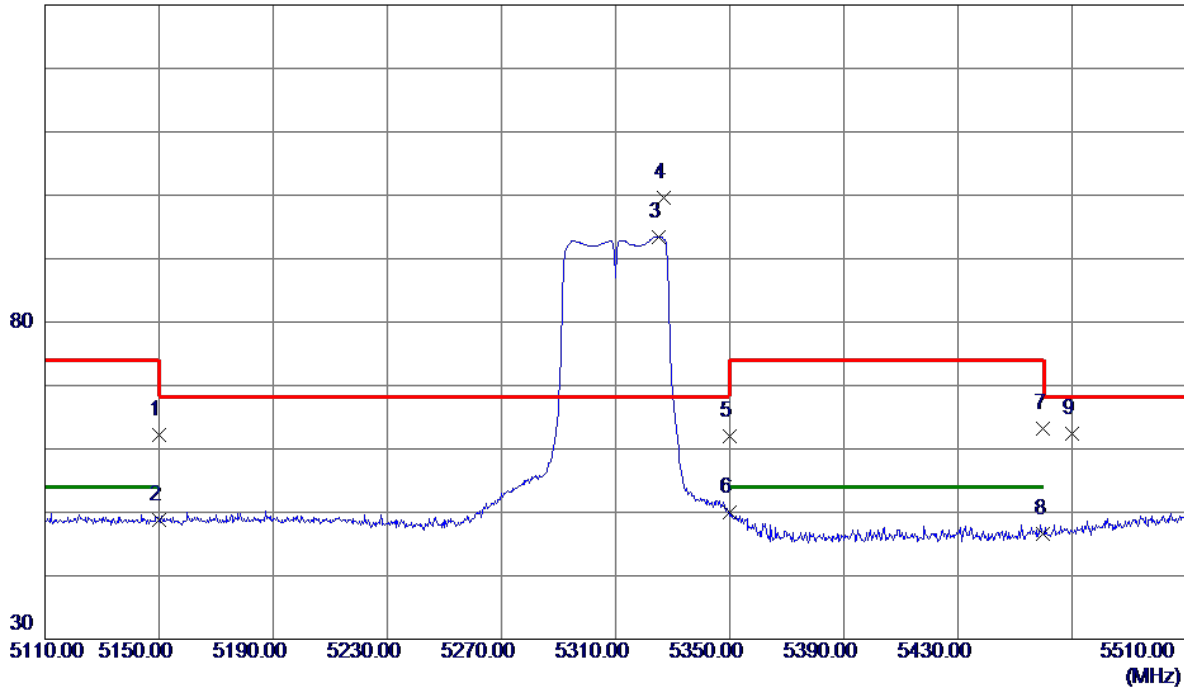


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10542.7400	48.36	1.73	50.09	68.30	-18.21	Peak	

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

### Vertical

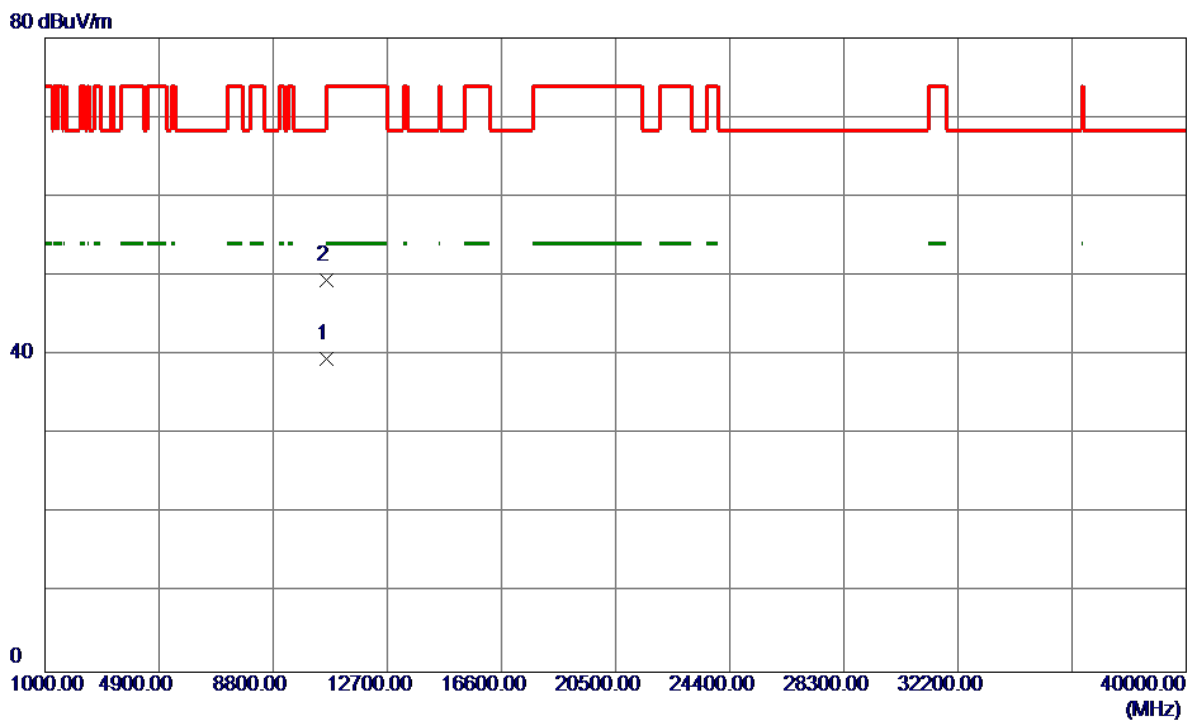
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.21	39.00	62.21	74.00	-11.79	Peak	
2	5150.0000	9.77	39.00	48.77	54.00	-5.23	AVG	
3	5325.2000	53.88	39.57	93.45	999.00	-905.55	AVG	No Limit
4 *	5326.8000	60.10	39.58	99.68	68.30	31.38	Peak	No Limit
5	5350.0000	22.40	39.65	62.05	74.00	-11.95	Peak	
6	5350.0000	10.35	39.65	50.00	999.00	-949.00	AVG	
7	5460.0000	23.11	40.01	63.12	74.00	-10.88	Peak	
8	5460.0000	6.68	40.01	46.69	54.00	-7.31	AVG	
9	5470.0000	22.34	40.04	62.38	68.30	-5.92	Peak	

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

### Vertical



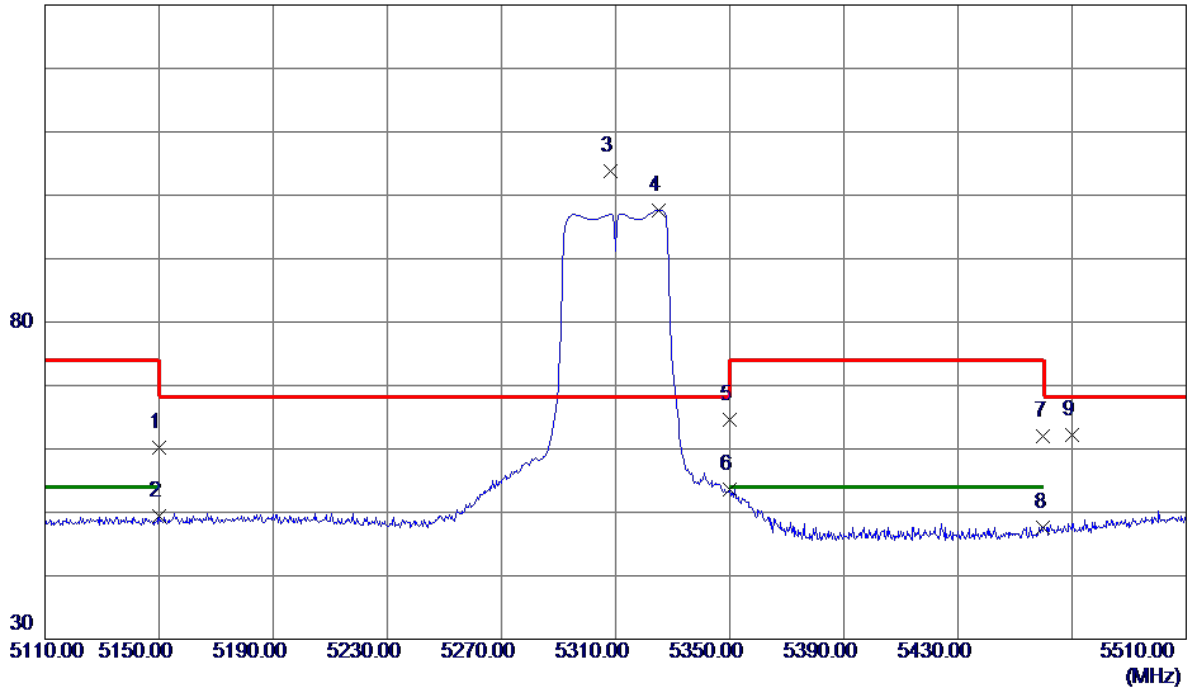
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10620.9000	37.61	1.85	39.46	54.00	-14.54	AVG	
2	10622.2800	47.59	1.86	49.45	74.00	-24.55	Peak	



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

### Horizontal

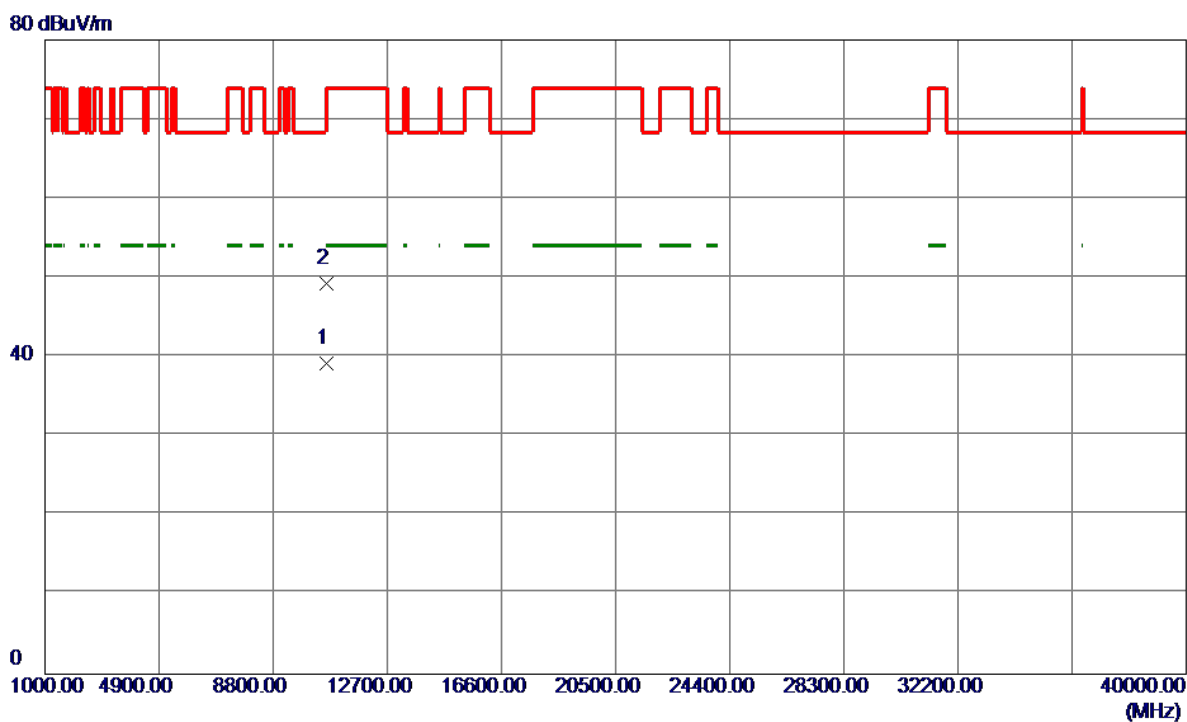
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	21.12	39.00	60.12	74.00	-13.88	Peak	
2	5150.0000	10.37	39.00	49.37	54.00	-4.63	AVG	
3 *	5308.4000	64.34	39.52	103.86	68.30	35.56	Peak	No Limit
4	5325.0000	58.10	39.57	97.67	999.00	-901.33	AVG	No Limit
5	5350.0000	24.98	39.65	64.63	74.00	-9.37	Peak	
6	5350.0000	14.01	39.65	53.66	999.00	-945.34	AVG	
7	5460.0000	22.06	40.01	62.07	74.00	-11.93	Peak	
8	5460.0000	7.66	40.01	47.67	54.00	-6.33	AVG	
9	5470.0000	22.25	40.04	62.29	68.30	-6.01	Peak	

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

### Horizontal

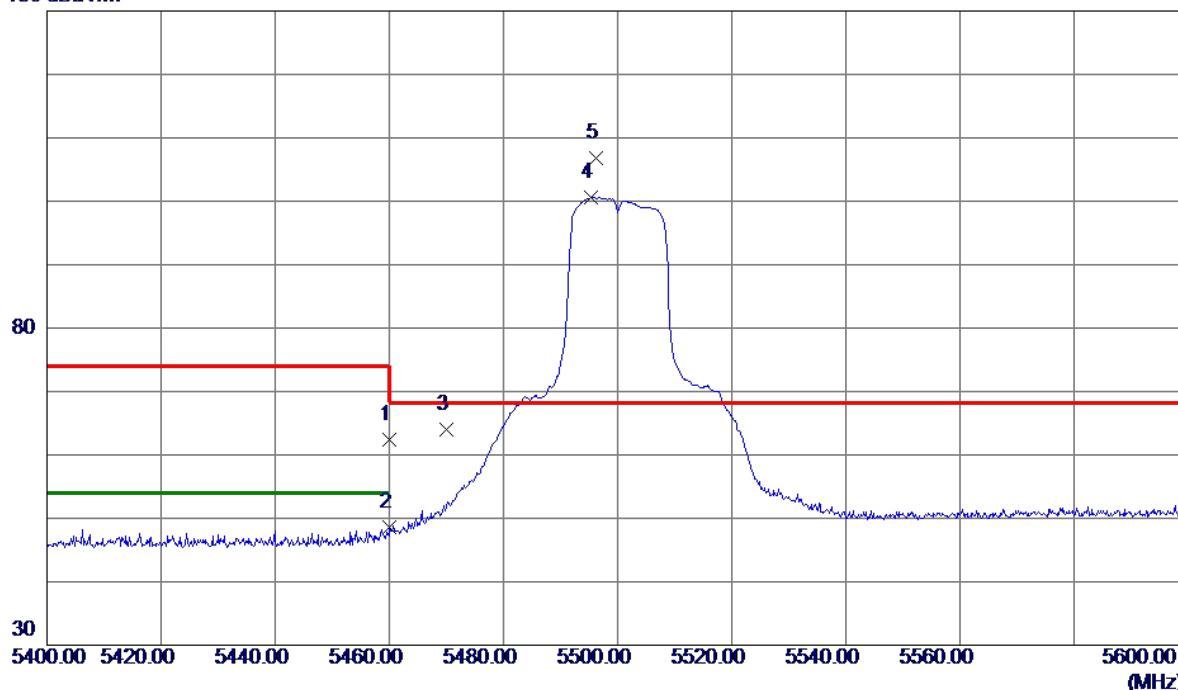


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10619.9200	37.32	1.85	39.17	54.00	-14.83	AVG	
2	10620.0199	47.41	1.85	49.26	74.00	-24.74	Peak	

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

# Vertical

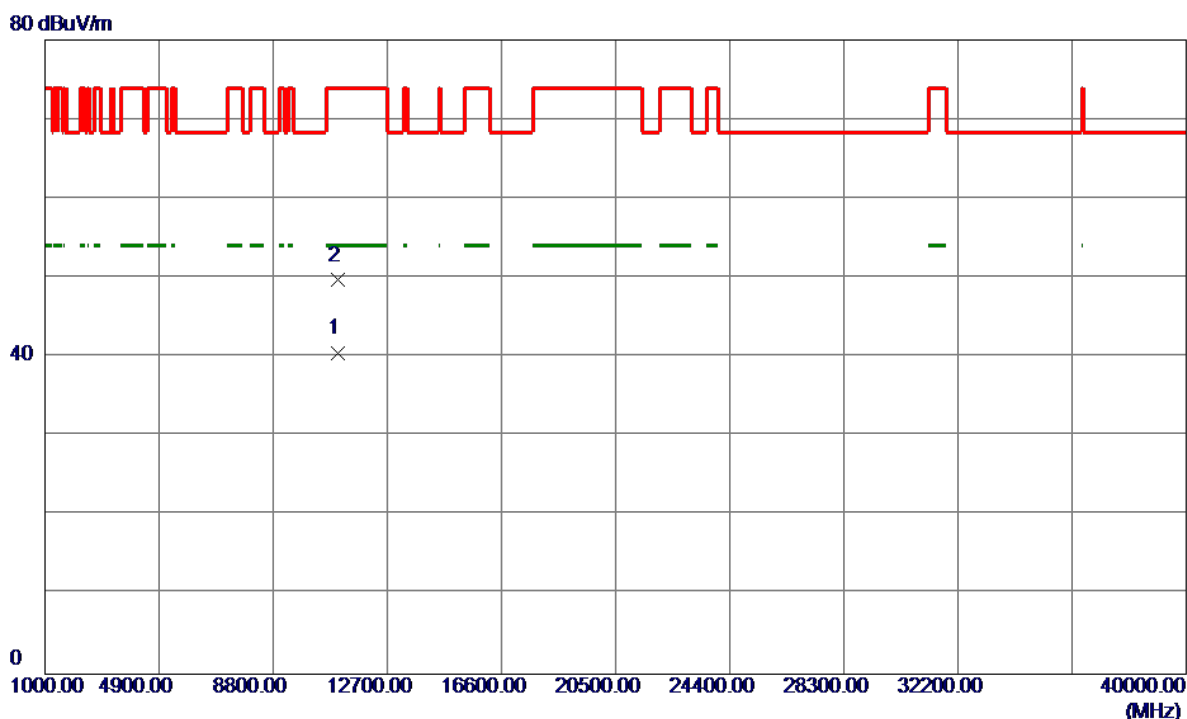
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	22.36	40.01	62.37	74.00	-11.63	Peak	
2	5460.0000	8.57	40.01	48.58	54.00	-5.42	AVG	
3	5470.0000	23.96	40.04	64.00	68.30	-4.30	Peak	
4	5495.4000	60.53	40.12	100.65	999.00	-898.35	AVG	No Limit
5 *	5496.2000	66.62	40.13	106.75	68.30	38.45	Peak	No Limit

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

# Vertical

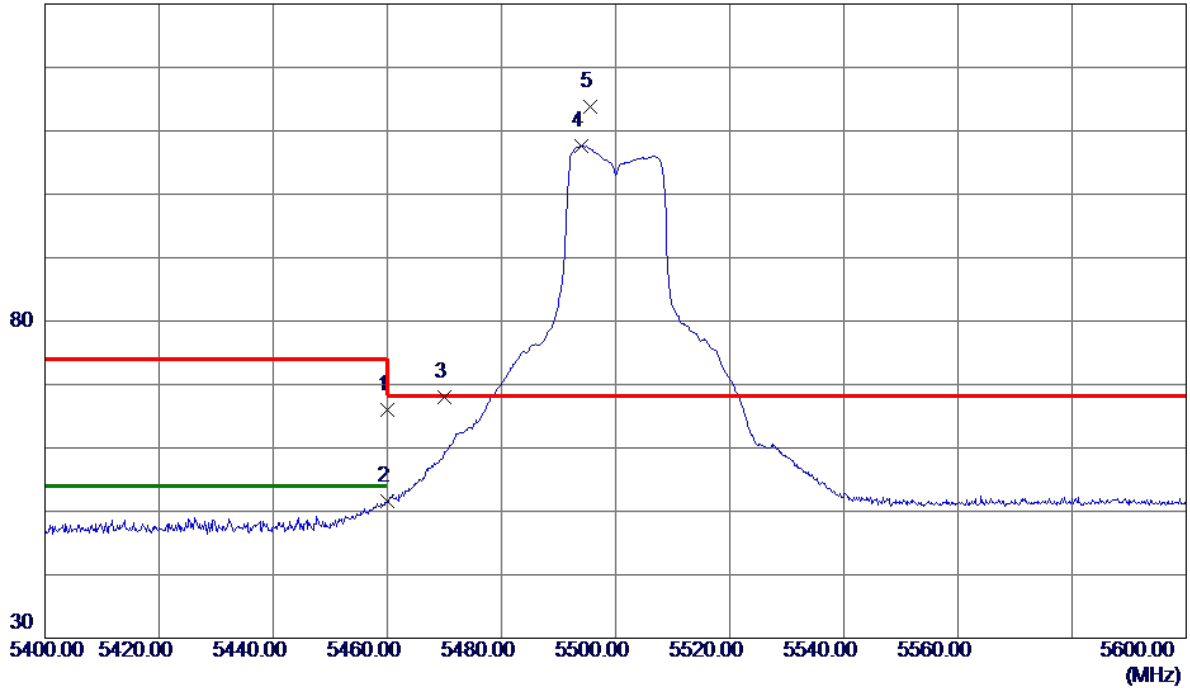


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11001.7300	37.97	2.48	40.45	54.00	-13.55	AVG	
2	11002.7100	47.20	2.48	49.68	74.00	-24.32	Peak	

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

### Horizontal

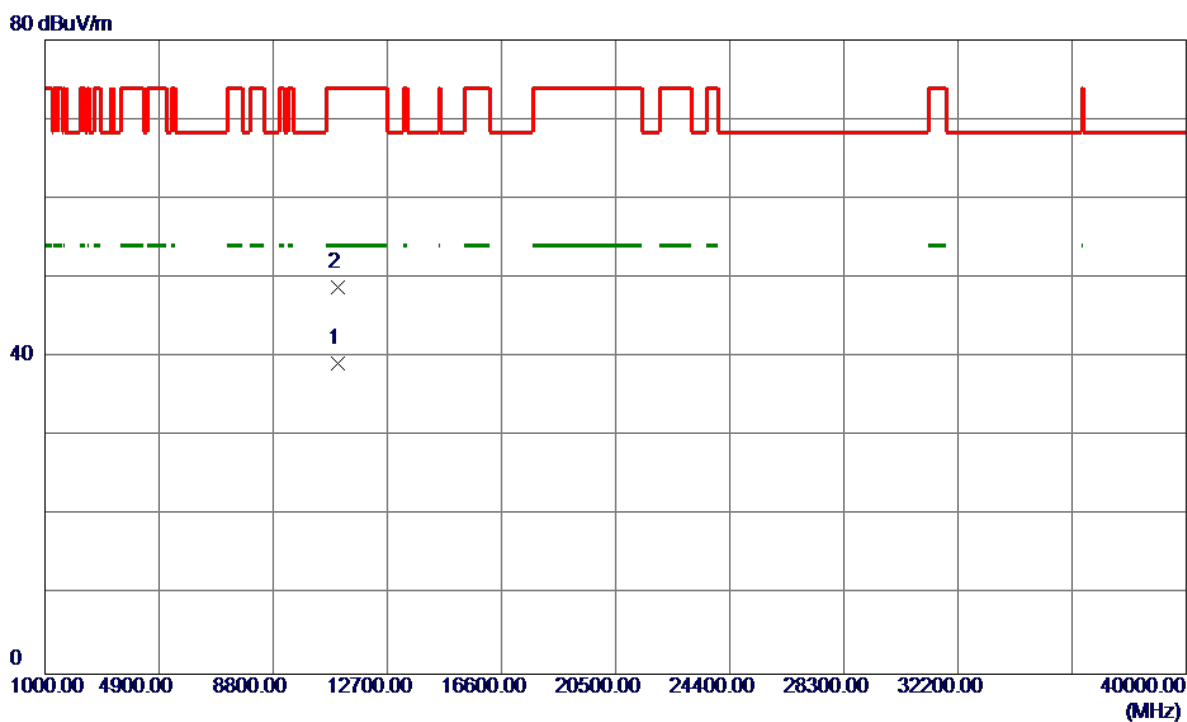
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	25.94	40.01	65.95	74.00	-8.05	Peak	
2	5460.0000	11.53	40.01	51.54	54.00	-2.46	AVG	
3	5470.0000	27.98	40.04	68.02	68.30	-0.28	Peak	
4	5493.9000	67.45	40.12	107.57	999.00	-891.43	AVG	No Limit
5 *	5495.5500	73.62	40.13	113.75	68.30	45.45	Peak	No Limit

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

### Horizontal

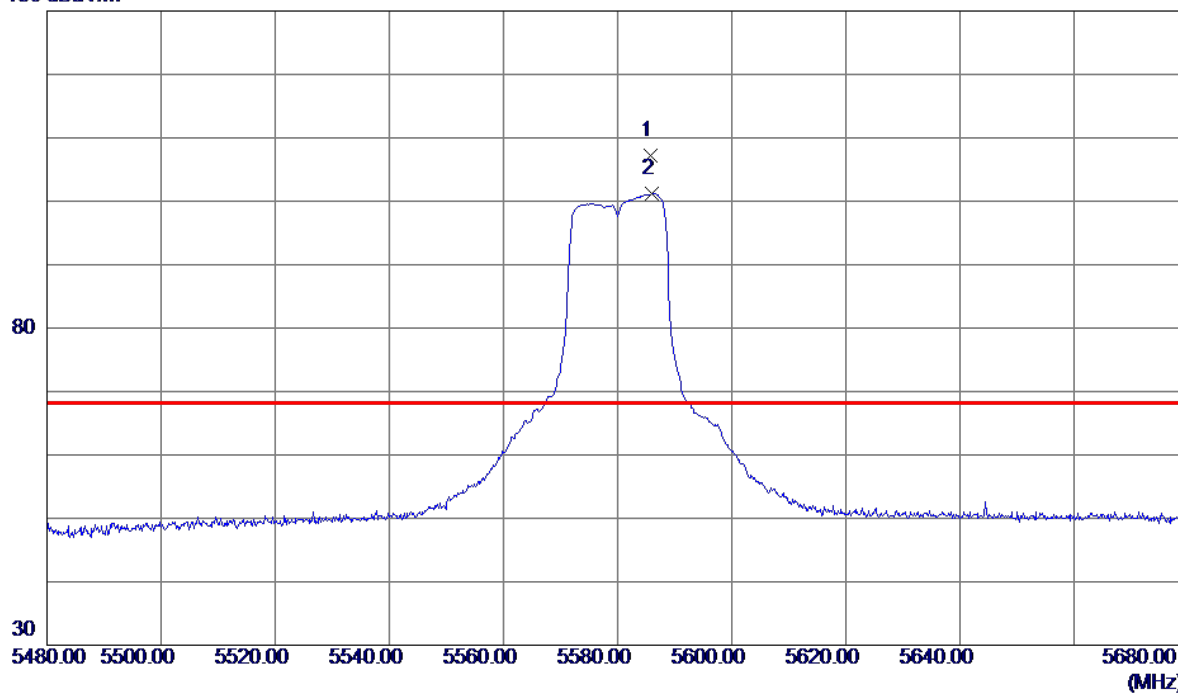


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11002.5500	36.76	2.48	39.24	54.00	-14.76	AVG	
2	11003.0599	46.26	2.48	48.74	74.00	-25.26	Peak	

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

### Vertical

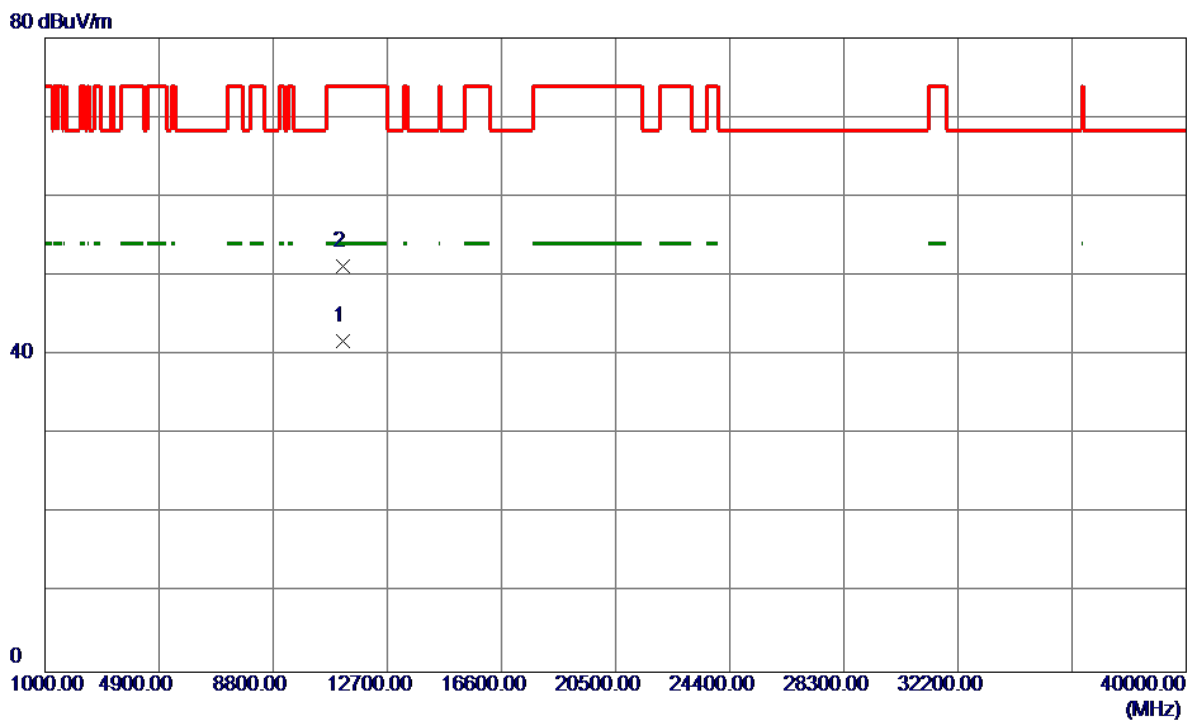
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5585.7500	66.92	40.21	107.13	68.30	38.83	Peak	No Limit
2	5586.0000	60.94	40.21	101.15	999.00	-897.85	AVG	No Limit

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

### Vertical



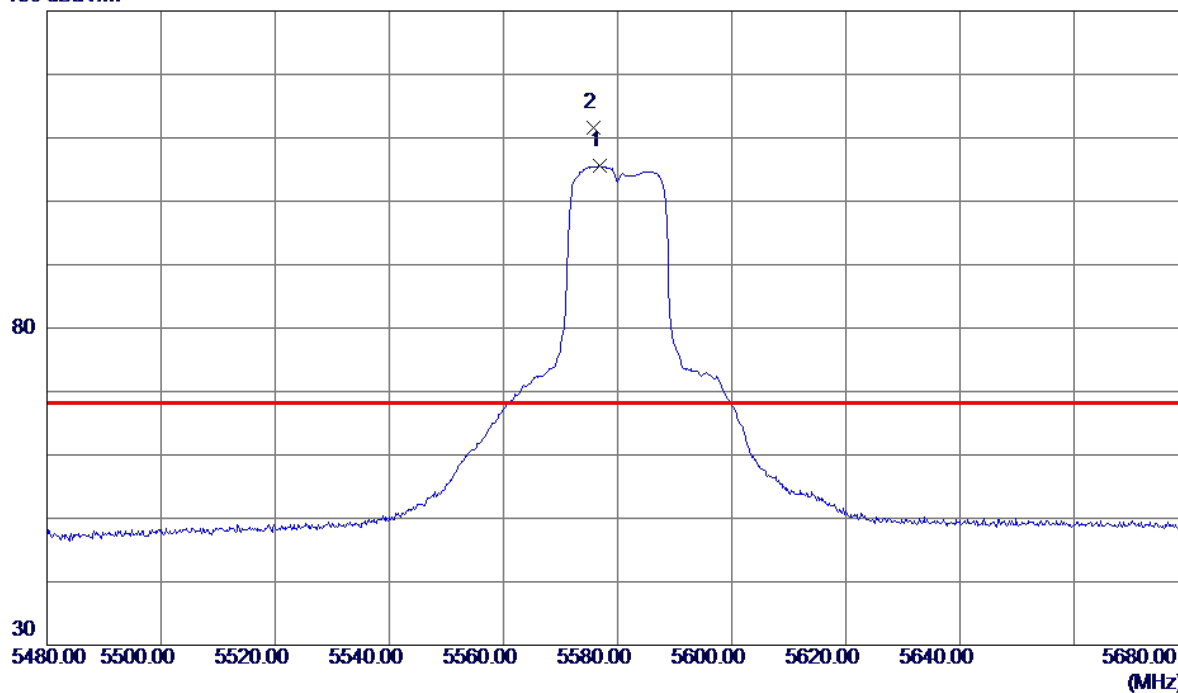
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11162.6700	39.42	2.32	41.74	54.00	-12.26	AVG	
2	11162.9400	48.89	2.32	51.21	74.00	-22.79	Peak	



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

### Horizontal

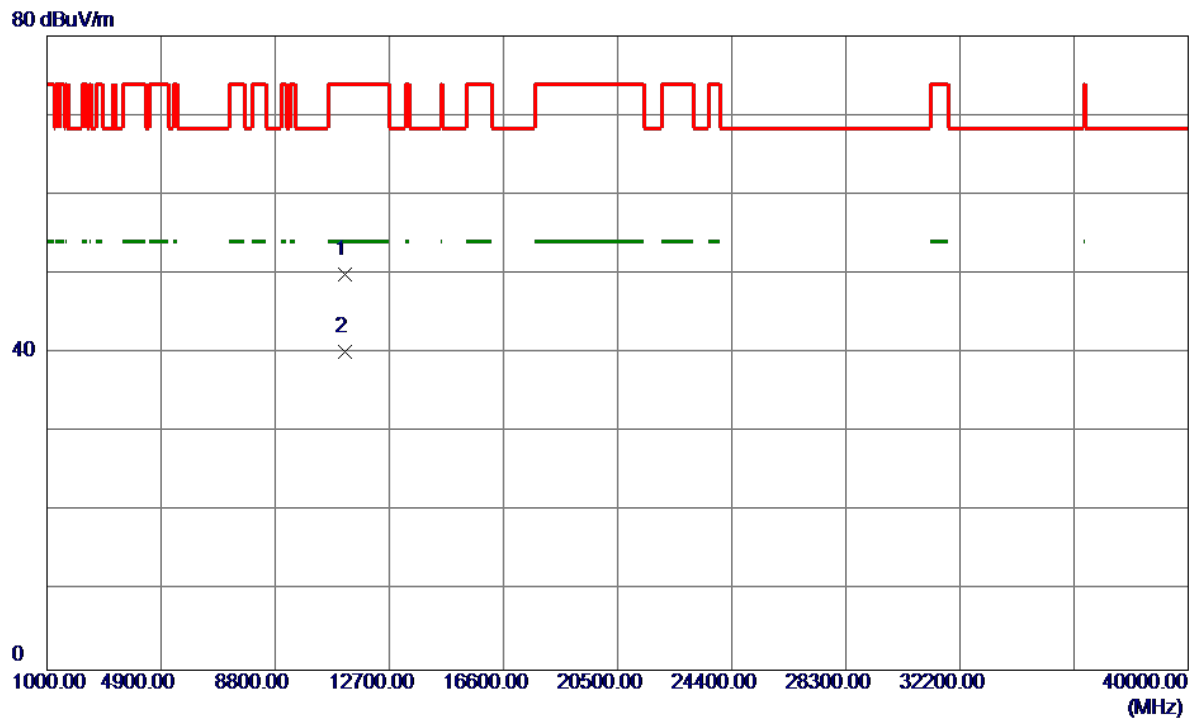
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5576.8000	65.45	40.21	105.66	999.00	-893.34	AVG	No Limit
2 *	5575.7000	71.39	40.20	111.59	68.30	43.29	Peak	No Limit

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

### Horizontal

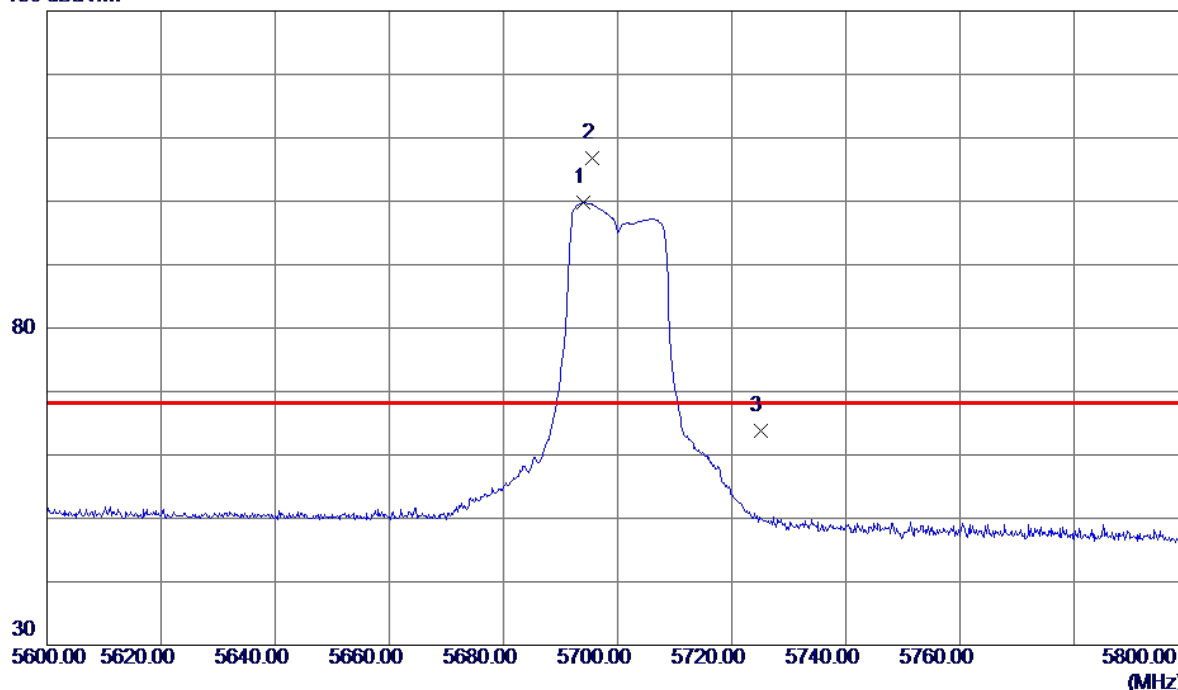


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11162.7400	47.56	2.32	49.88	74.00	-24.12	Peak	
2 *	11162.9600	37.77	2.32	40.09	54.00	-13.91	AVG	

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

# Vertical

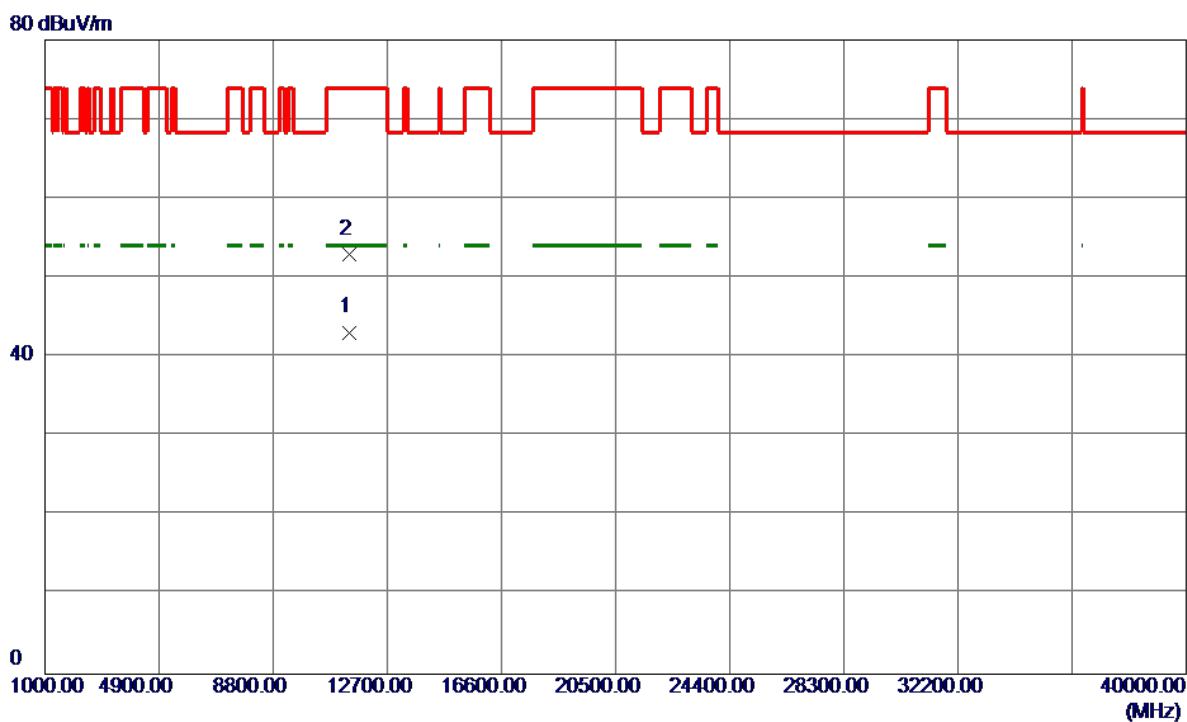
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5694.0000	59.49	40.31	99.80	999.00	-899.20	AVG	No Limit
2 *	5695.6250	66.50	40.31	106.81	68.30	38.51	Peak	No Limit
3	5725.0000	23.40	40.33	63.73	68.30	-4.57	Peak	

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

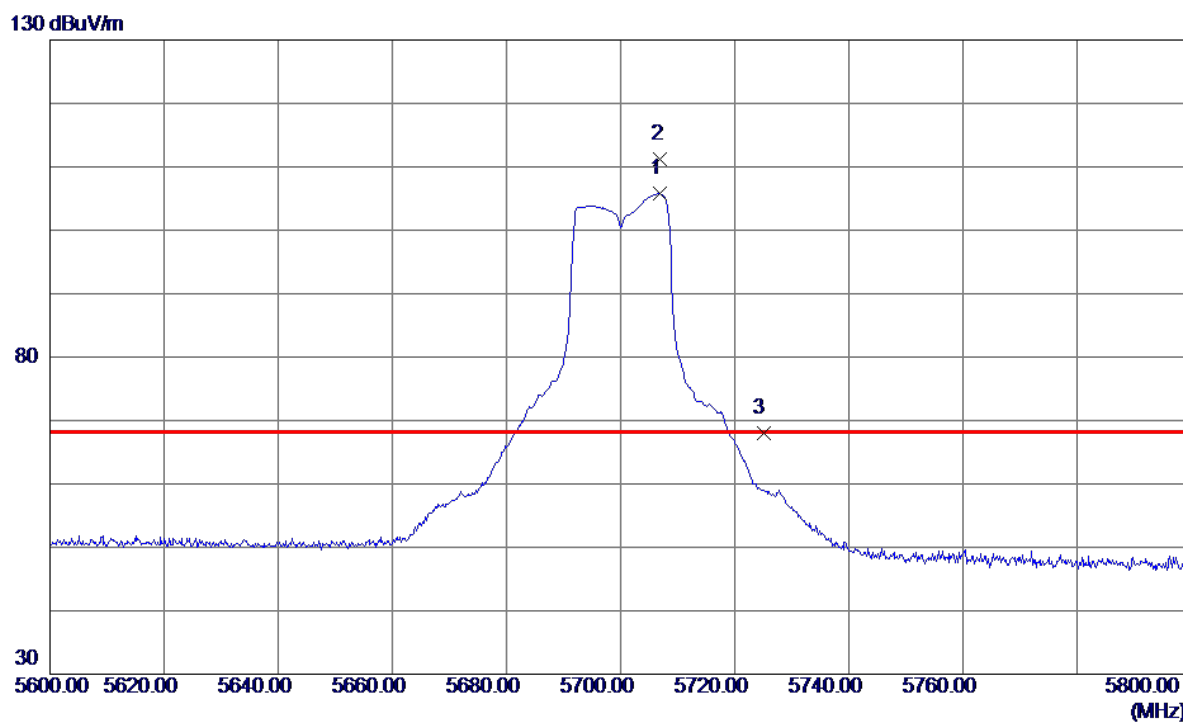
# Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11402.8500	41.04	2.08	43.12	54.00	-10.88	AVG	
2	11403.2800	50.90	2.08	52.98	74.00	-21.02	Peak	

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

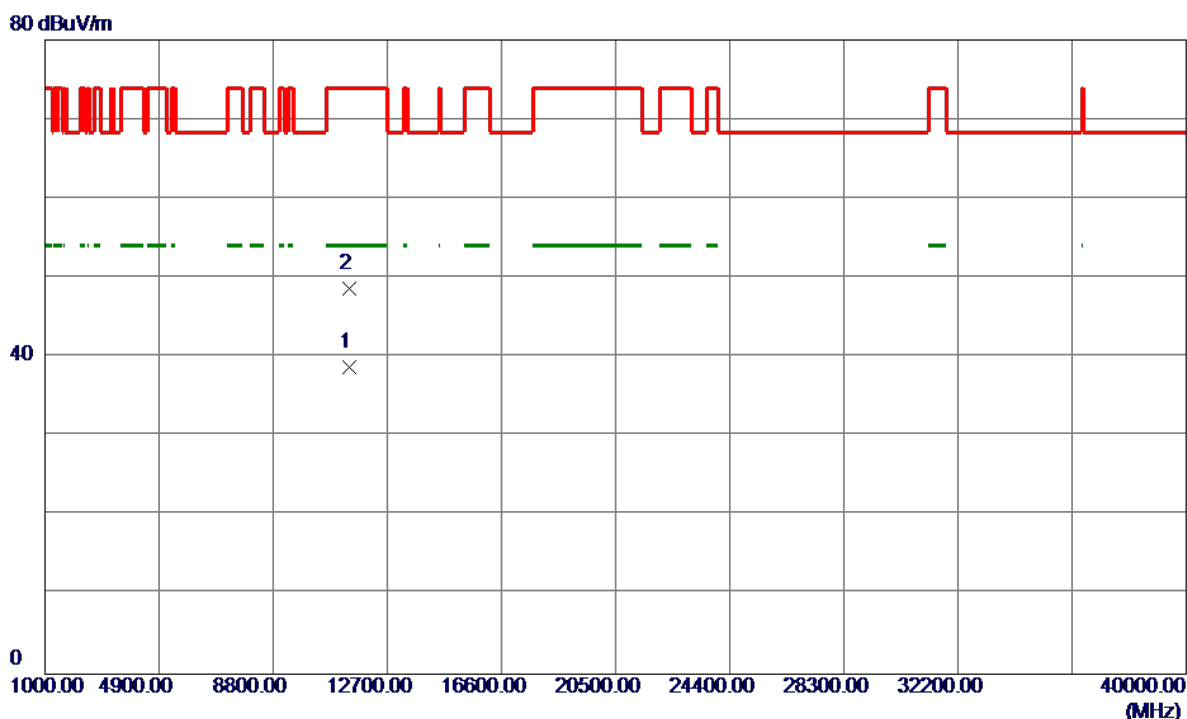
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5706.8000	65.49	40.32	105.81	999.00	-893.19	AVG	No Limit
2 *	5707.0000	70.80	40.32	111.12	68.30	42.82	Peak	No Limit
3	5725.0000	27.64	40.33	67.97	68.30	-0.33	Peak	

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

# Horizontal

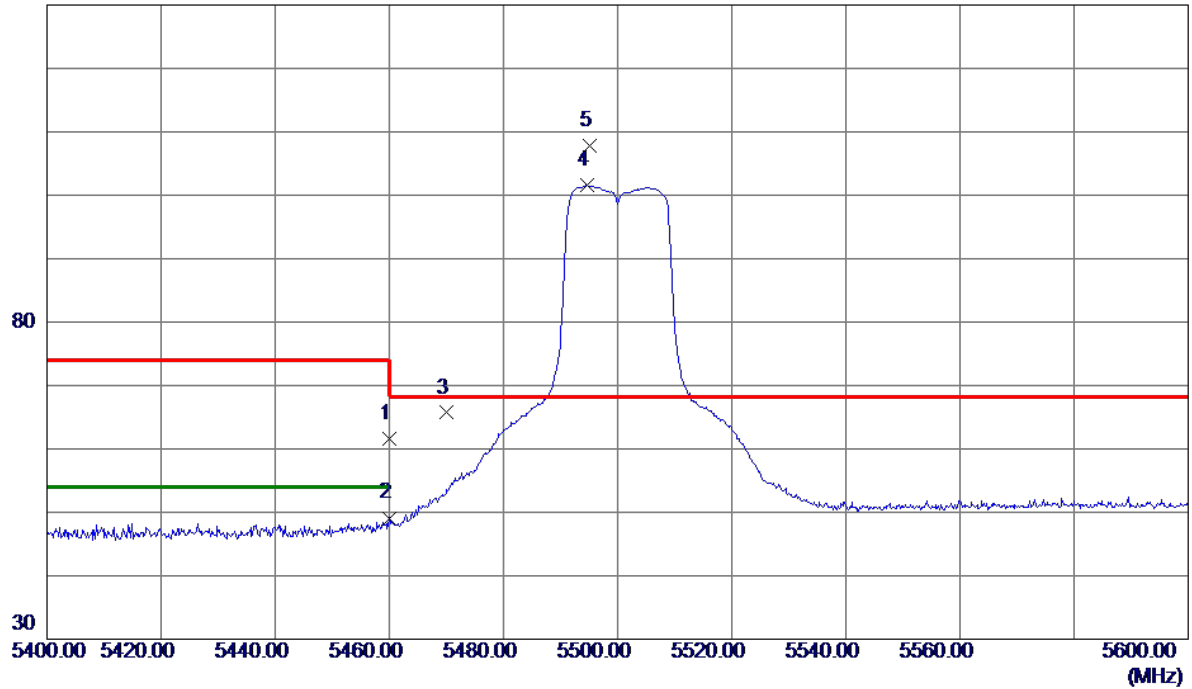


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11398.2300	36.68	2.09	38.77	54.00	-15.23	AVG	
2	11403.6100	46.58	2.08	48.66	74.00	-25.34	Peak	

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

Vertical

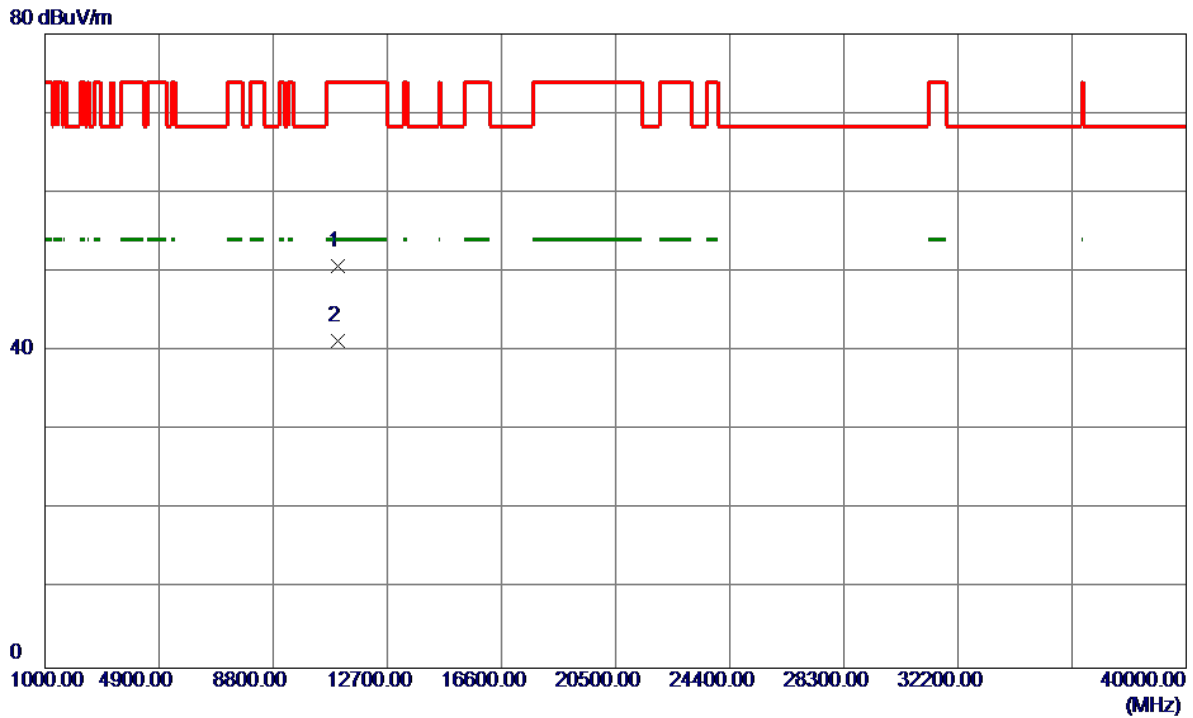
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	21.61	40.01	61.62	74.00	-12.38	Peak	
2	5460.0000	9.09	40.01	49.10	54.00	-4.90	AVG	
3	5470.0000	25.66	40.04	65.70	68.30	-2.60	Peak	
4	5494.6000	61.46	40.12	101.58	999.00	-897.42	AVG	No Limit
5 *	5495.1000	67.63	40.12	107.75	68.30	39.45	Peak	No Limit

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

### Vertical



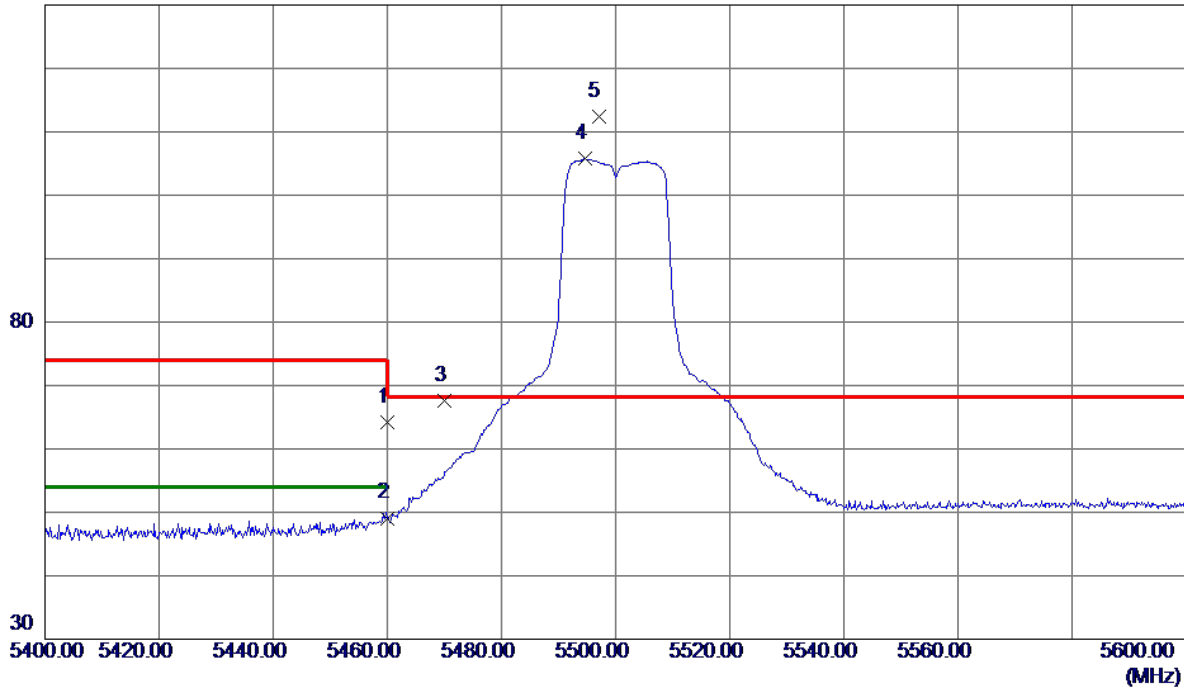
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10997.5599	48.23	2.48	50.71	74.00	-23.29	Peak	
2 *	11000.4000	38.76	2.48	41.24	54.00	-12.76	AVG	



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

### Horizontal

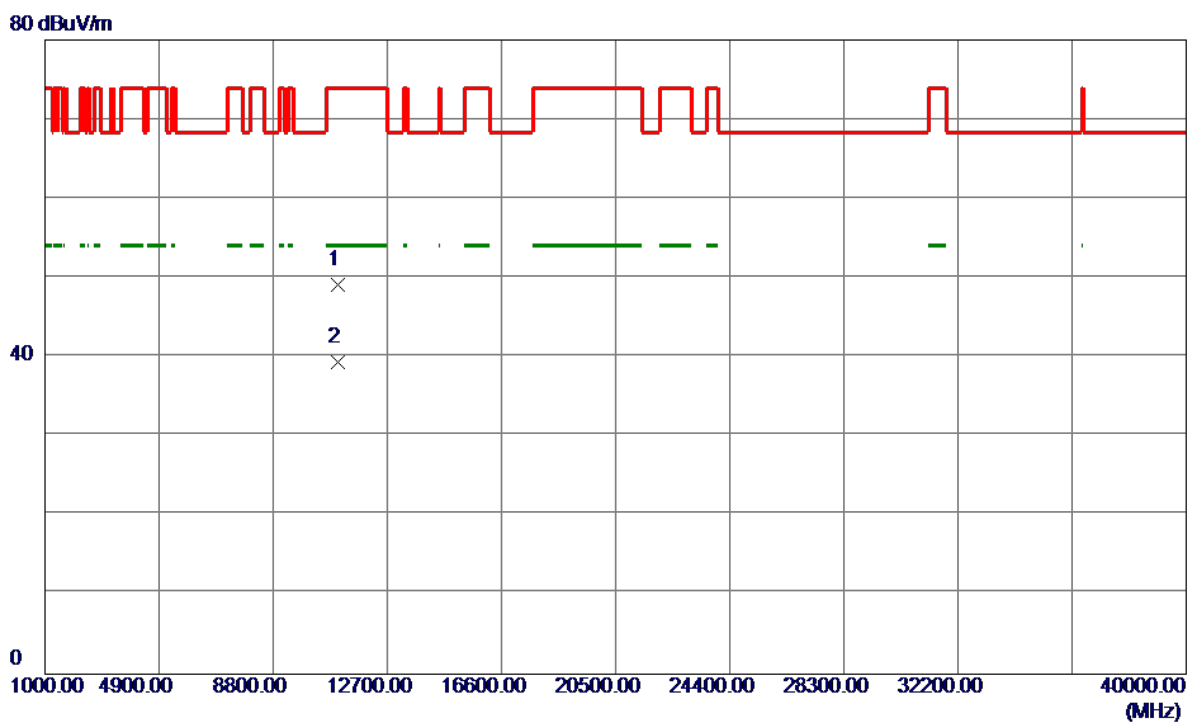
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	24.15	40.01	64.16	74.00	-9.84	Peak	
2	5460.0000	9.09	40.01	49.10	54.00	-4.90	AVG	
3	5470.0000	27.65	40.04	67.69	68.30	-0.61	Peak	
4	5494.7000	65.61	40.12	105.73	999.00	-893.27	AVG	No Limit
5 *	5497.0000	72.24	40.13	112.37	68.30	44.07	Peak	No Limit

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

### Horizontal

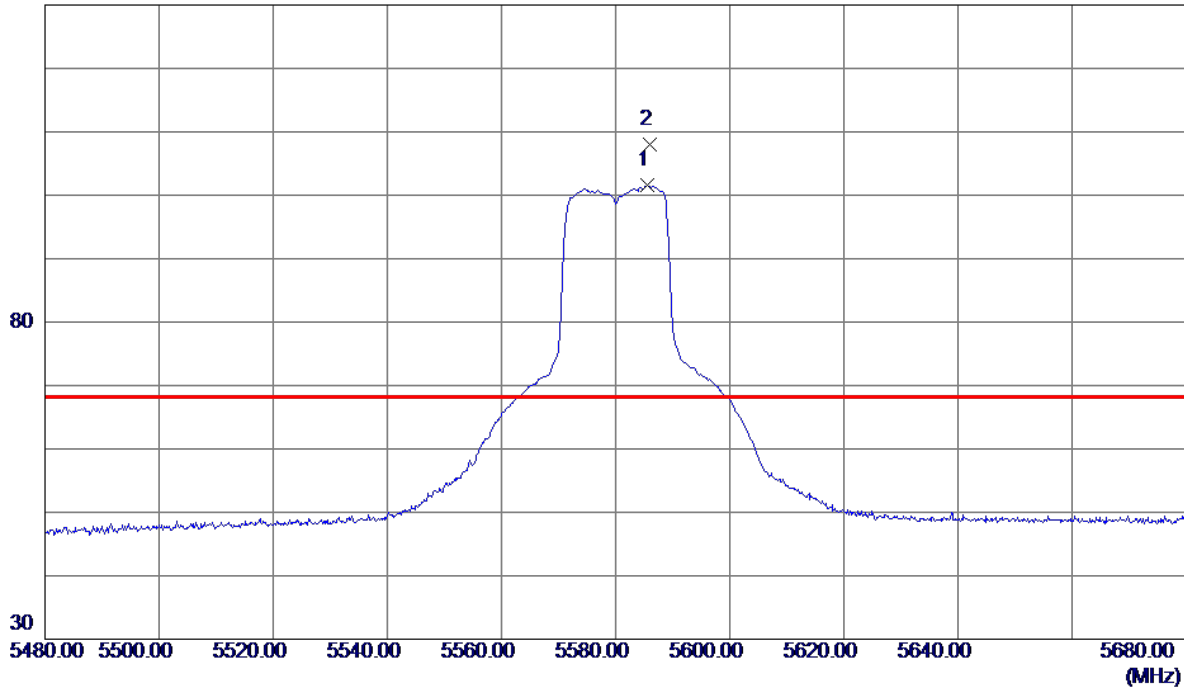


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10998.8099	46.69	2.48	49.17	74.00	-24.83	Peak	
2 *	10999.6500	36.92	2.48	39.40	54.00	-14.60	AVG	

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

### Vertical

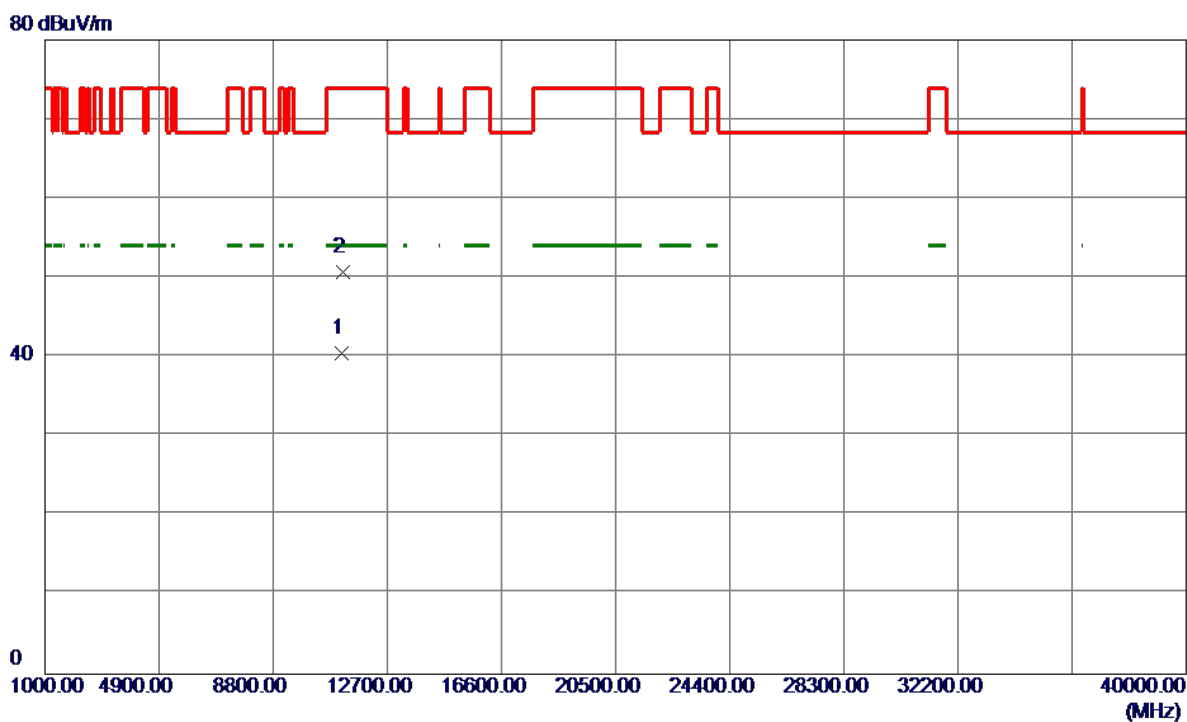
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5585.5000	61.32	40.21	101.53	999.00	-897.47	AVG	No Limit
2 *	5586.0000	67.88	40.21	108.09	68.30	39.79	Peak	No Limit

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

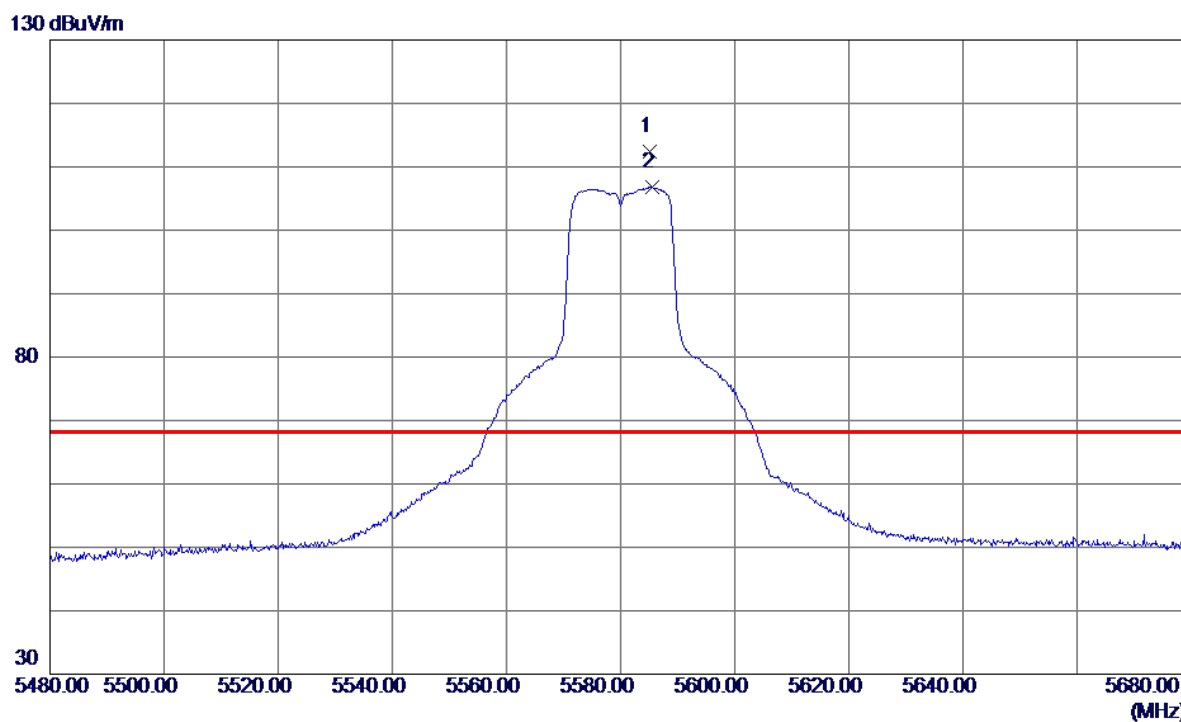
# Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11160.5800	38.11	2.32	40.43	54.00	-13.57	AVG	
2	11161.8300	48.37	2.32	50.69	74.00	-23.31	Peak	

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

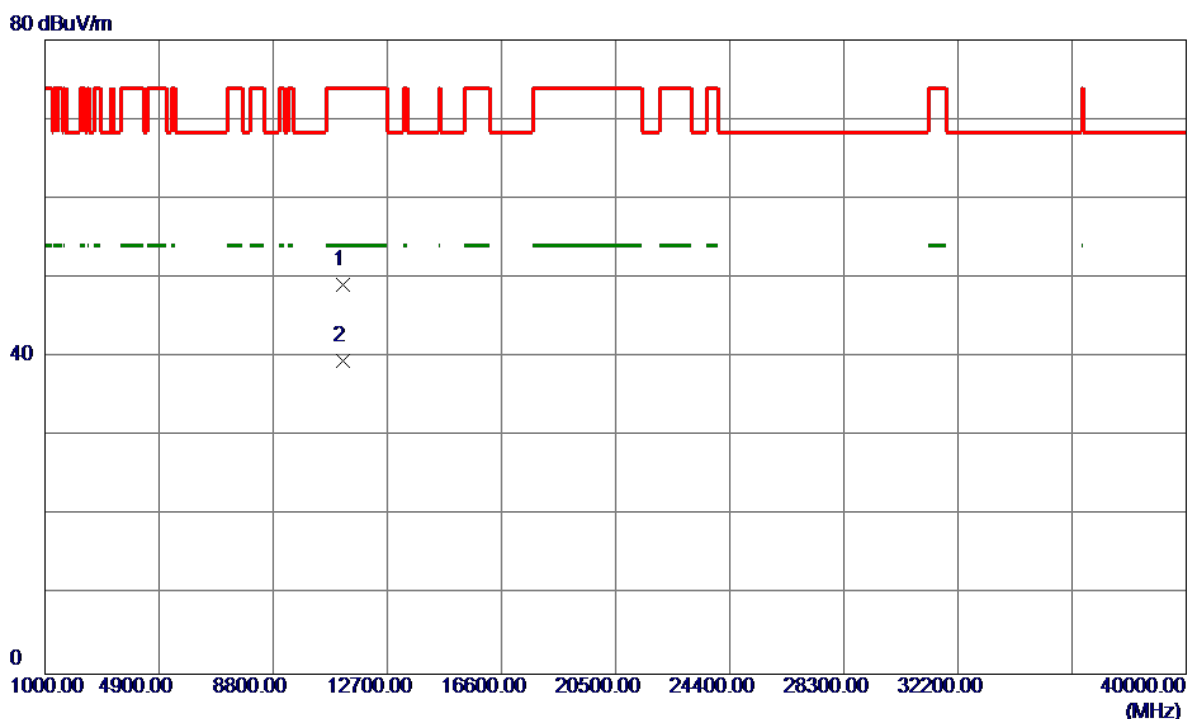
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5585.2000	72.20	40.21	112.41	68.30	44.11	Peak	No Limit
2	5585.6000	66.55	40.21	106.76	999.00	-892.24	AVG	No Limit

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

# Horizontal

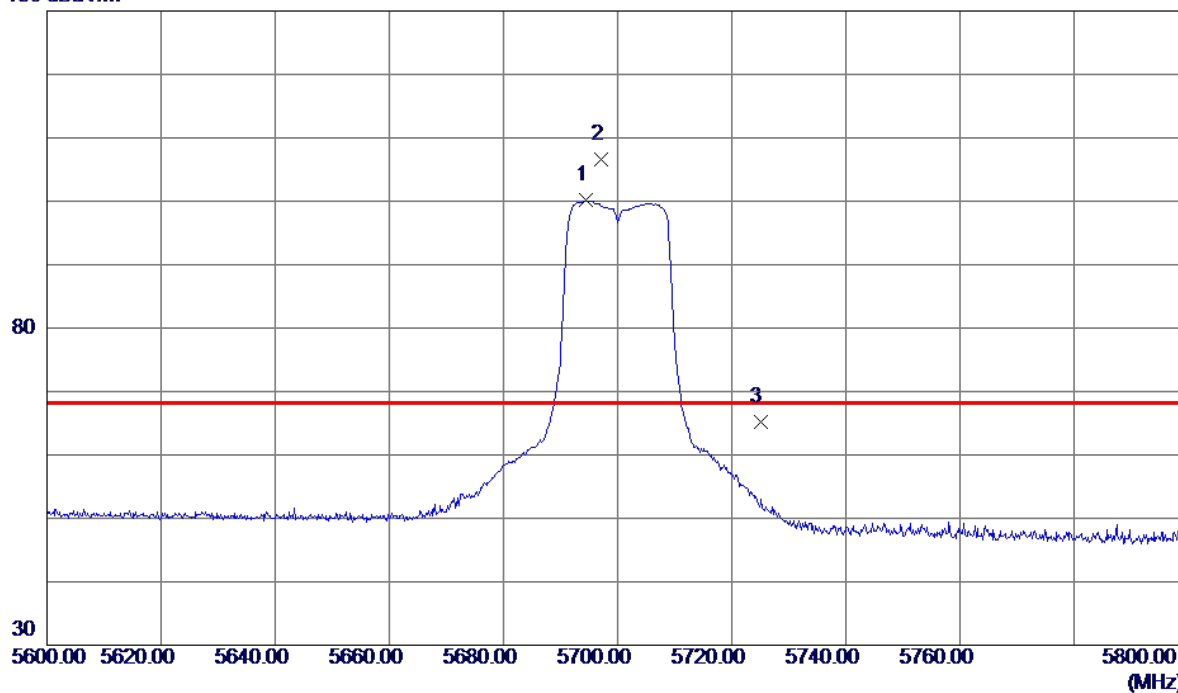


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11164.1100	46.87	2.32	49.19	74.00	-24.81	Peak	
2 *	11164.9800	37.16	2.32	39.48	54.00	-14.52	AVG	

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

### Vertical

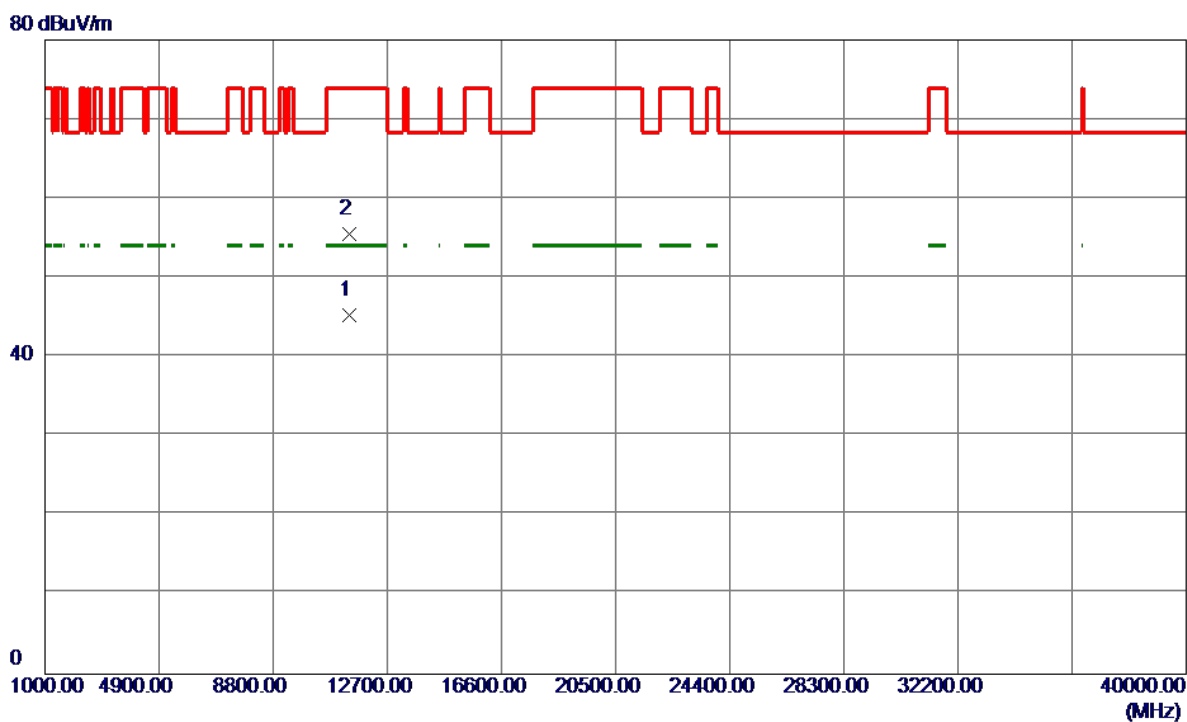
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5694.5000	59.81	40.31	100.12	999.00	-898.88	AVG	No Limit
2 *	5697.1000	66.27	40.31	106.58	68.30	38.28	Peak	No Limit
3	5725.0000	24.80	40.33	65.13	68.30	-3.17	Peak	

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

### Vertical

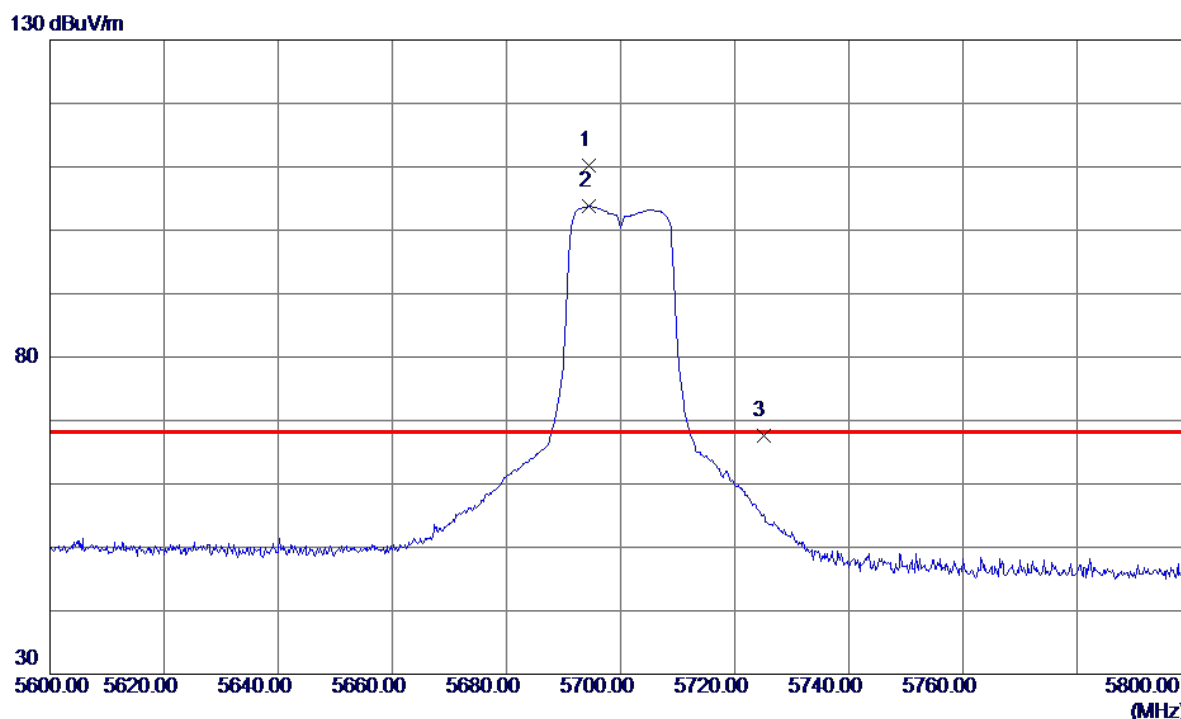


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11400.5000	43.22	2.08	45.30	54.00	-8.70	AVG	
2	11402.7500	53.44	2.08	55.52	74.00	-18.48	Peak	



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

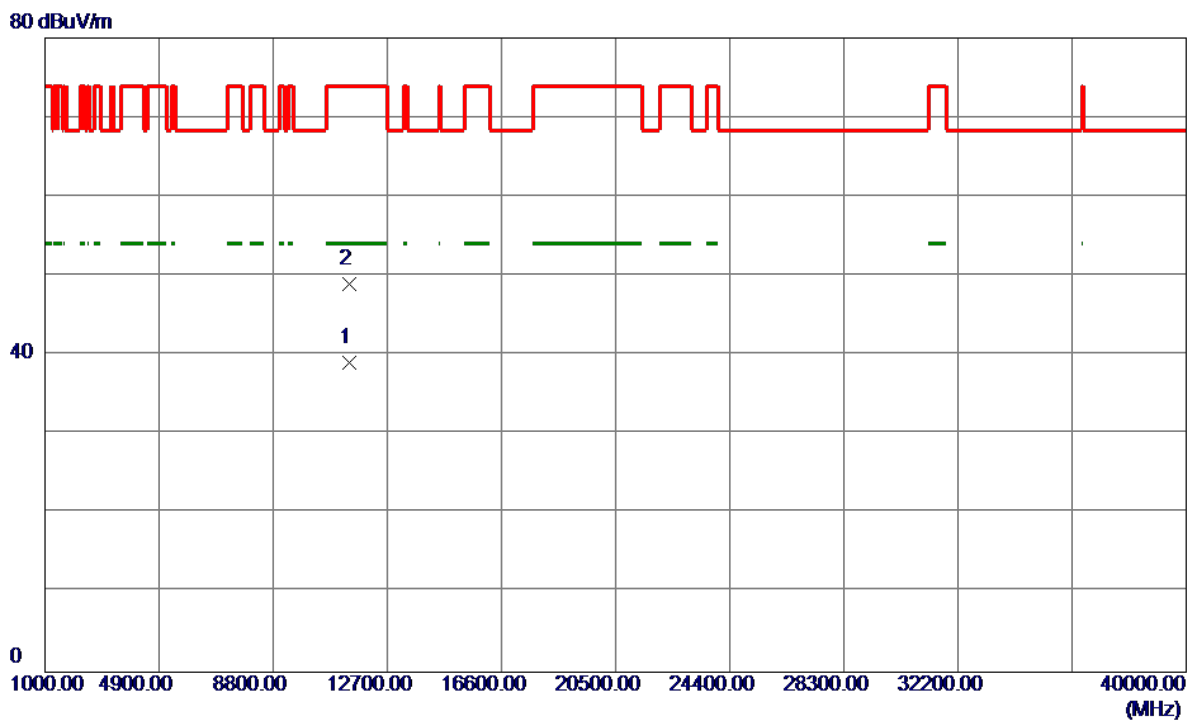
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5694.5000	69.87	40.31	110.18	68.30	41.88	Peak	No Limit
2	5694.5000	63.47	40.31	103.78	999.00	-895.22	AVG	No Limit
3	5725.0000	27.36	40.33	67.69	68.30	-0.61	Peak	

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

### Horizontal

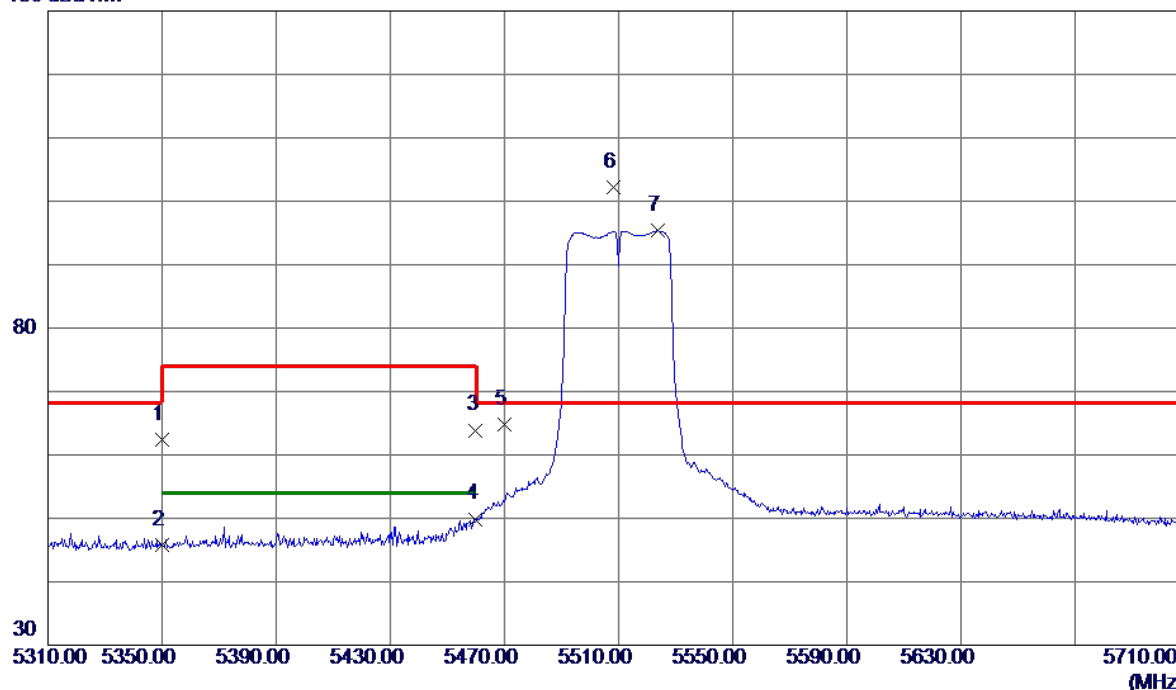


No.	Freq.	Reading	Correct	Measure	Limit	Margin		
	MHz	Level	Factor	ment			Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	11401.2300	36.89	2.08	38.97	54.00	-15.03	AVG	
2	11402.3200	46.81	2.08	48.89	74.00	-25.11	Peak	

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

# Vertical

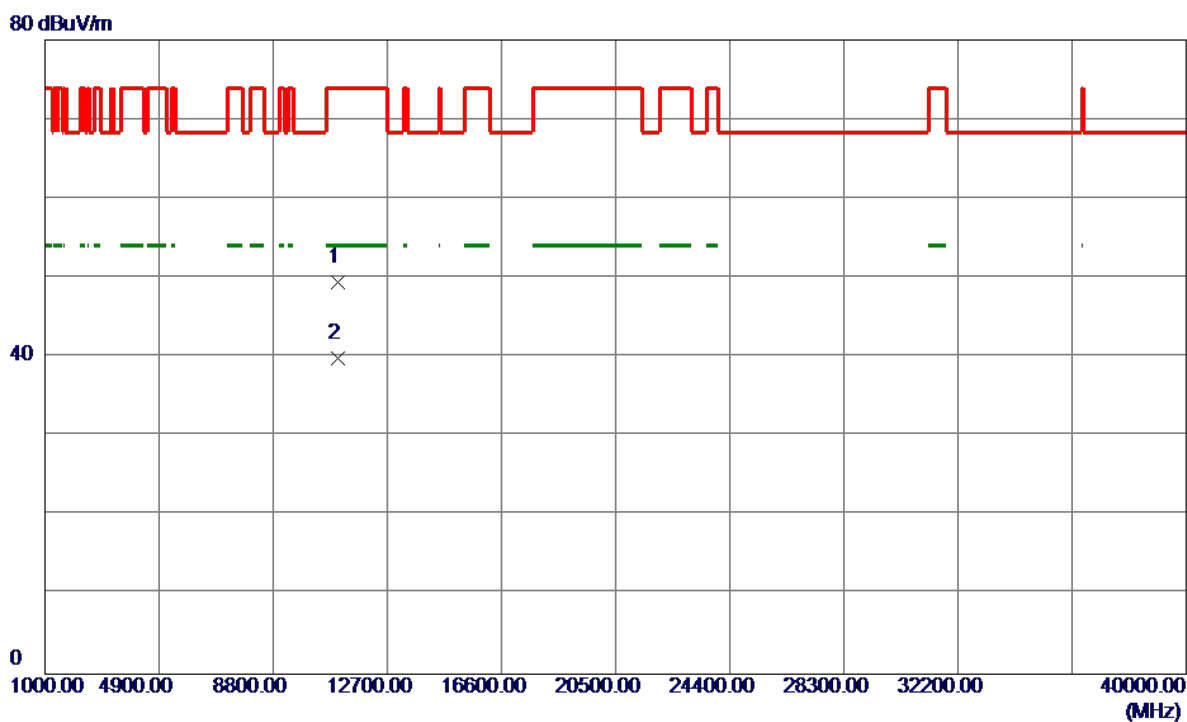
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	22.71	39.65	62.36	74.00	-11.64	Peak	
2	5350.0000	6.14	39.65	45.79	999.00	-953.21	AVG	
3	5460.0000	23.89	40.01	63.90	74.00	-10.10	Peak	
4	5460.0000	9.89	40.01	49.90	54.00	-4.10	AVG	
5	5470.0000	24.76	40.04	64.80	68.30	-3.50	Peak	
6 *	5508.4000	62.00	40.15	102.15	68.30	33.85	Peak	No Limit
7	5523.6000	55.21	40.16	95.37	999.00	-903.63	AVG	No Limit

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

### Vertical

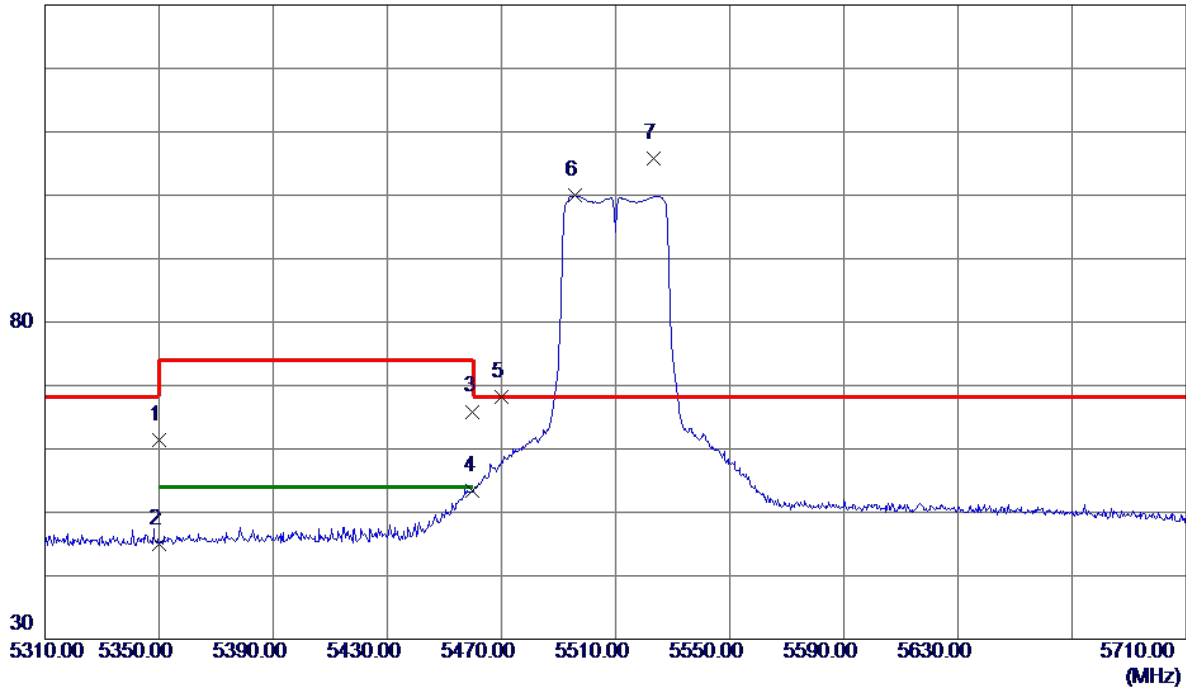


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11020.6400	46.92	2.46	49.38	74.00	-24.62	Peak	
2 *	11021.2400	37.43	2.46	39.89	54.00	-14.11	AVG	

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

### Horizontal

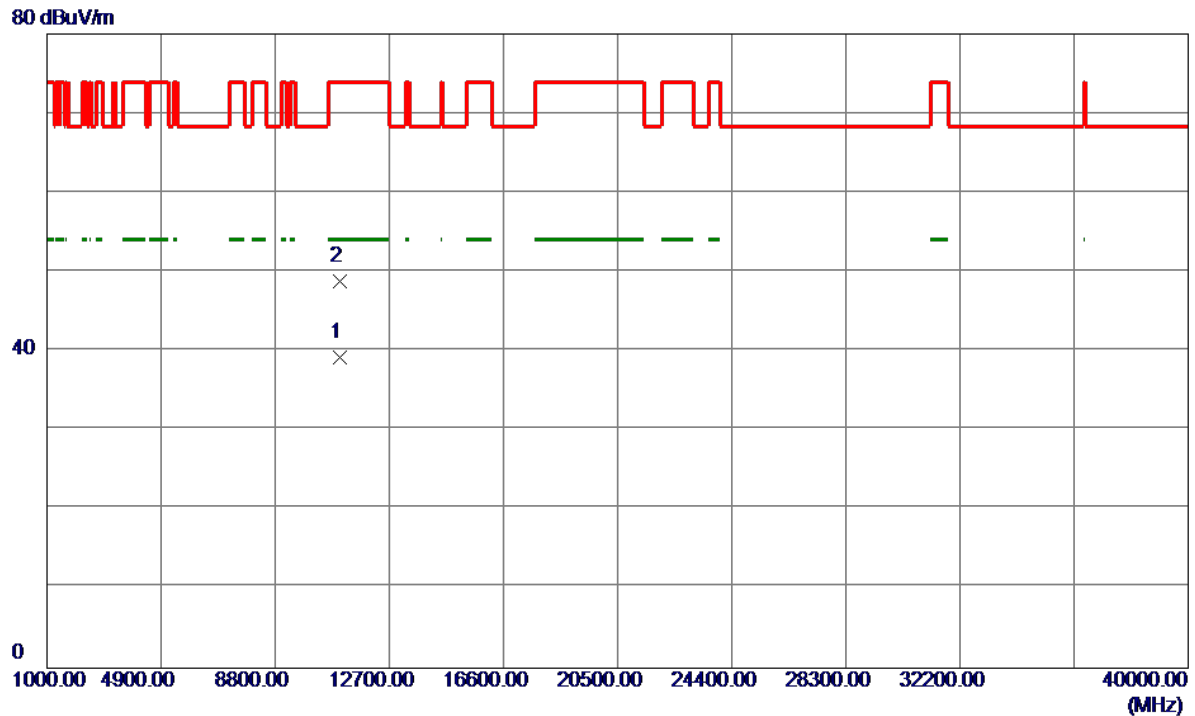
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	21.81	39.65	61.46	74.00	-12.54	Peak	
2	5350.0000	5.43	39.65	45.08	999.00	-953.92	AVG	
3	5460.0000	25.89	40.01	65.90	74.00	-8.10	Peak	
4	5460.0000	13.42	40.01	53.43	54.00	-0.57	AVG	
5	5470.0000	28.09	40.04	68.13	68.30	-0.17	Peak	
6	5495.8000	59.78	40.13	99.91	999.00	-899.09	AVG	No Limit
7 *	5523.4000	65.63	40.16	105.79	68.30	37.49	Peak	No Limit

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

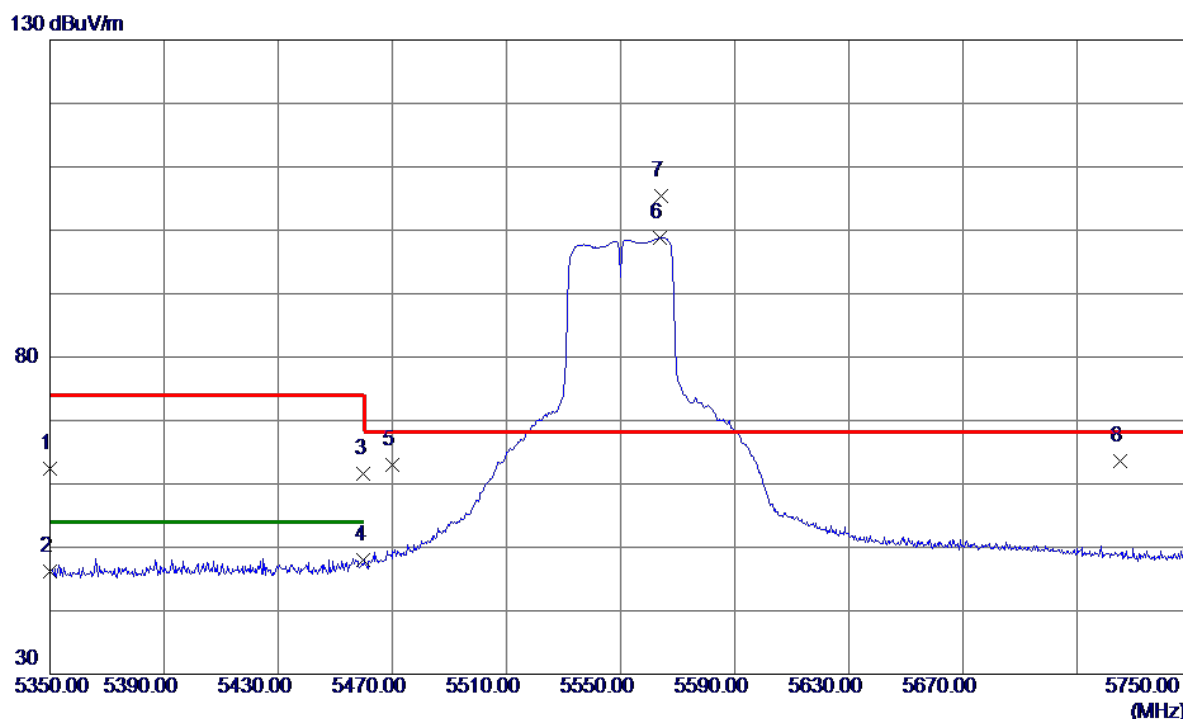
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11019.2000	36.74	2.46	39.20	54.00	-14.80	AVG	
2	11021.5000	46.35	2.46	48.81	74.00	-25.19	Peak	

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

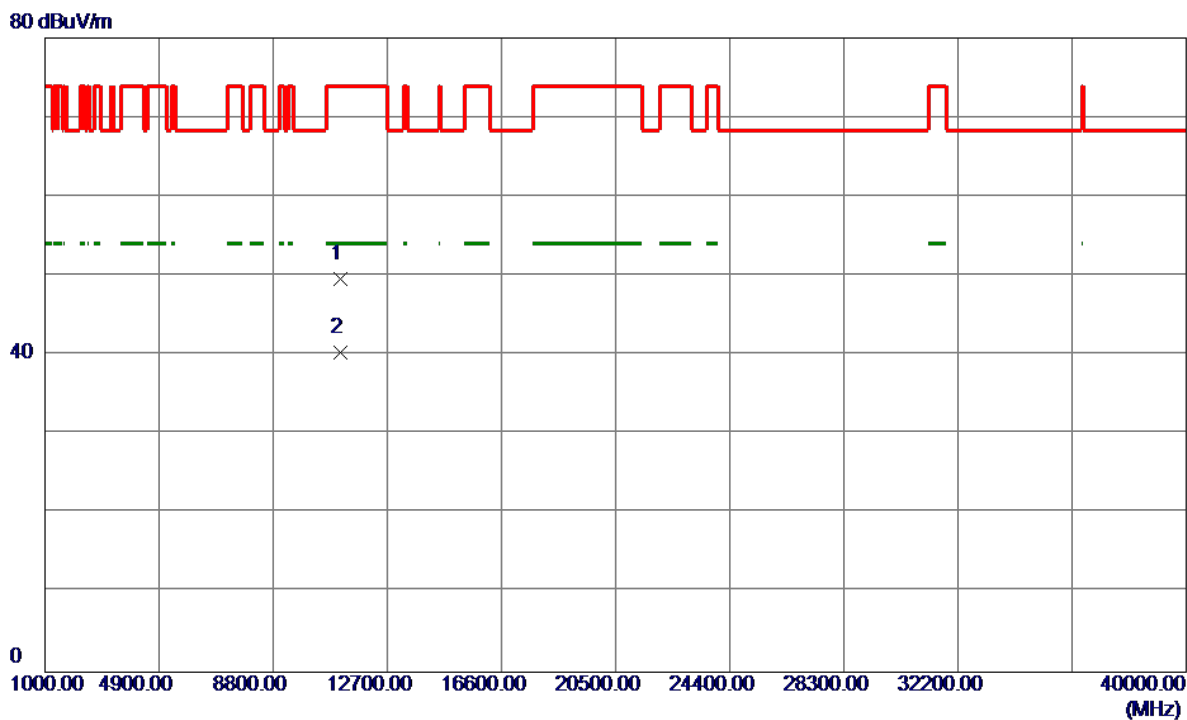
# Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	22.79	39.65	62.44	74.00	-11.56	Peak	
2	5350.0000	6.51	39.65	46.16	999.00	-952.84	AVG	
3	5460.0000	21.62	40.01	61.63	74.00	-12.37	Peak	
4	5460.0000	7.95	40.01	47.96	54.00	-6.04	AVG	
5	5470.0000	22.95	40.04	62.99	68.30	-5.31	Peak	
6	5563.6000	58.66	40.19	98.85	999.00	-900.15	AVG	No Limit
7 *	5564.2000	65.12	40.20	105.32	68.30	37.02	Peak	No Limit
8	5725.0000	23.35	40.33	63.68	68.30	-4.62	Peak	

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

### Vertical



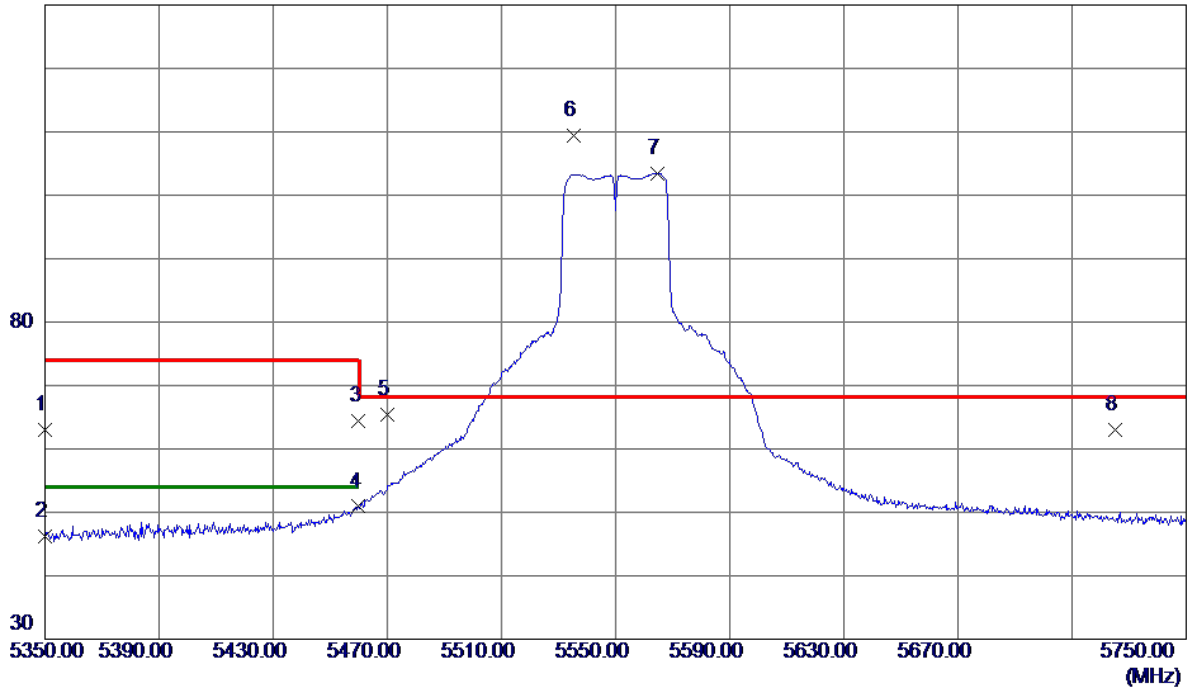
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11098.4400	47.26	2.38	49.64	74.00	-24.36	Peak	
2 *	11100.5199	38.00	2.38	40.38	54.00	-13.62	AVG	



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

### Horizontal

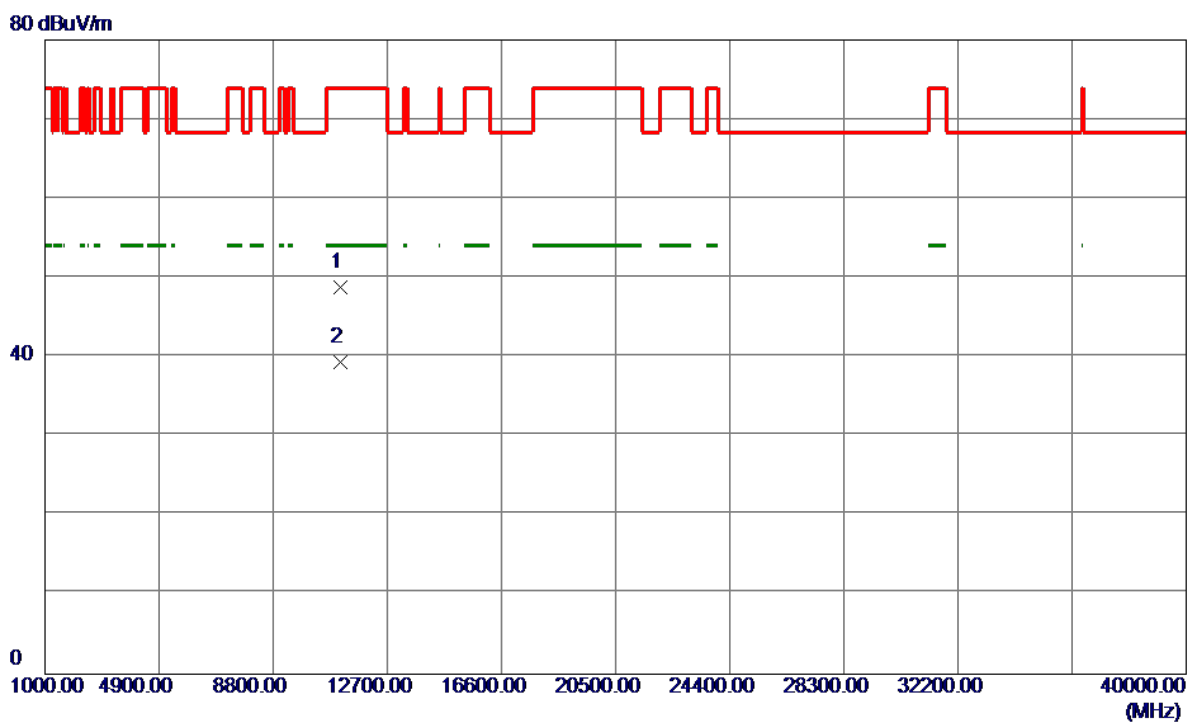
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	23.44	39.65	63.09	74.00	-10.91	Peak	
2	5350.0000	6.52	39.65	46.17	999.00	-952.83	AVG	
3	5460.0000	24.31	40.01	64.32	74.00	-9.68	Peak	
4	5460.0000	10.89	40.01	50.90	54.00	-3.10	AVG	
5	5470.0000	25.40	40.04	65.44	68.30	-2.86	Peak	
6 *	5535.4000	69.24	40.17	109.41	68.30	41.11	Peak	No Limit
7	5564.8000	63.26	40.20	103.46	999.00	-895.54	AVG	No Limit
8	5725.0000	22.64	40.33	62.97	68.30	-5.33	Peak	

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

### Horizontal

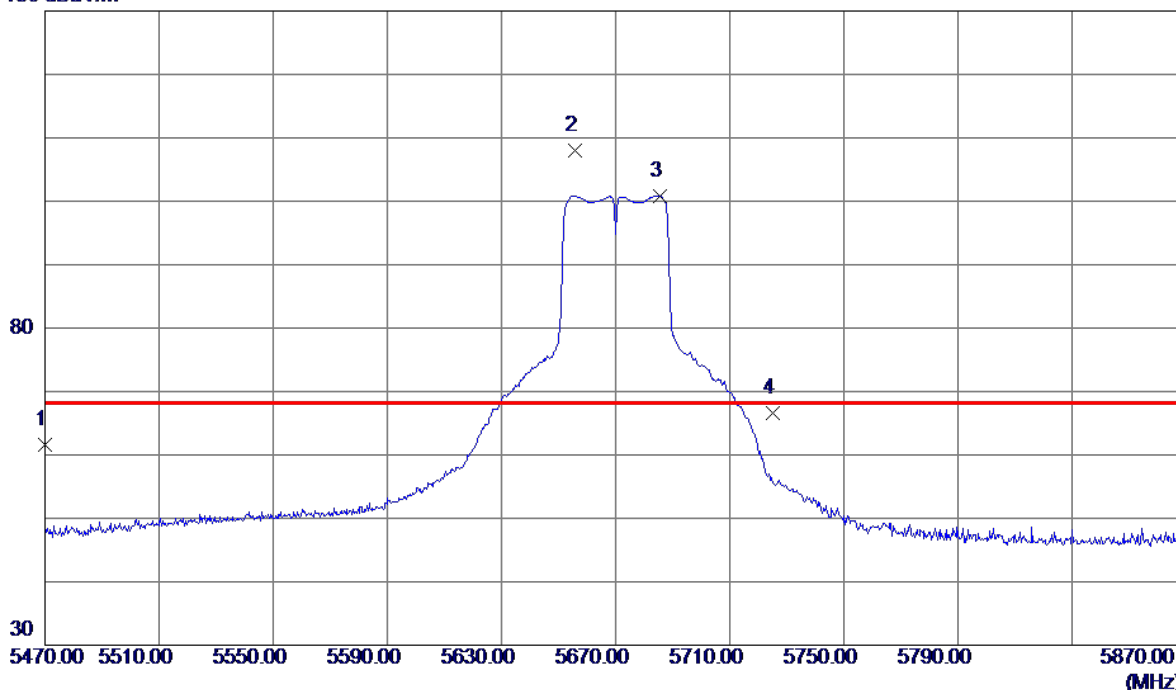


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11092.8200	46.34	2.39	48.73	74.00	-25.27	Peak	
2 *	11097.4400	36.96	2.38	39.34	54.00	-14.66	AVG	

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

# Vertical

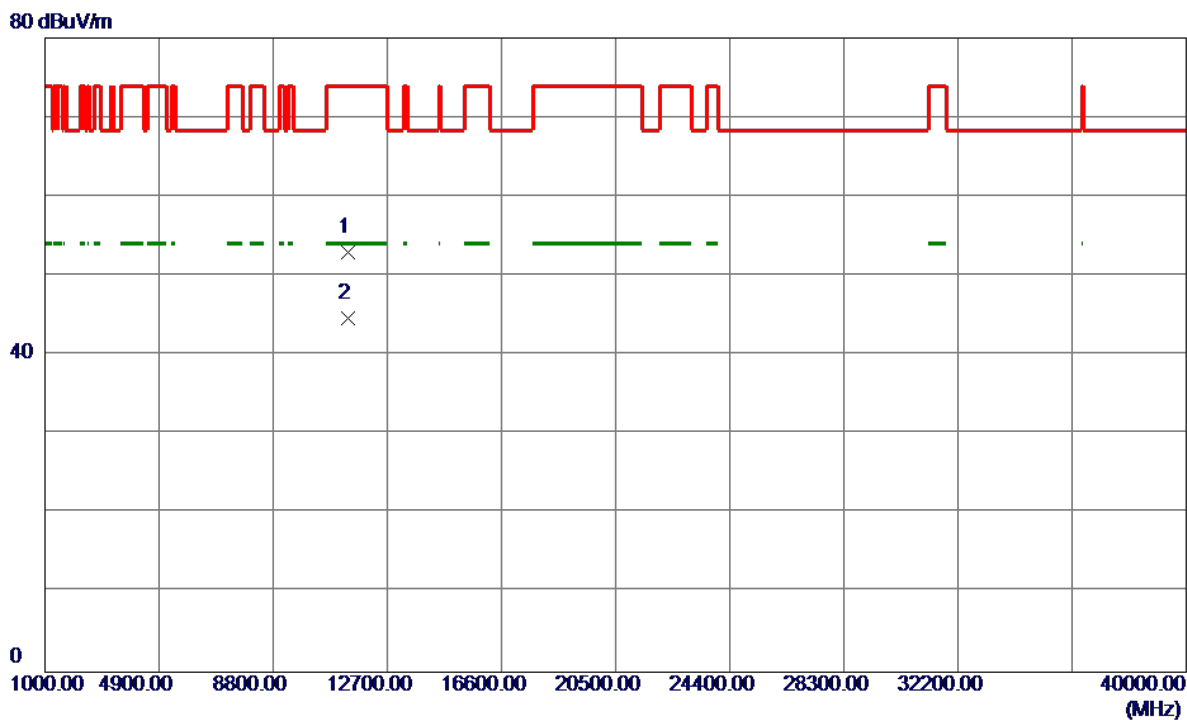
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5470.0000	21.53	40.04	61.57	68.30	-6.73	Peak	
2 *	5655.6000	67.66	40.27	107.93	68.30	39.63	Peak	No Limit
3	5685.6000	60.55	40.30	100.85	999.00	-898.15	AVG	No Limit
4	5725.0000	26.35	40.33	66.68	68.30	-1.62	Peak	

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

### Vertical

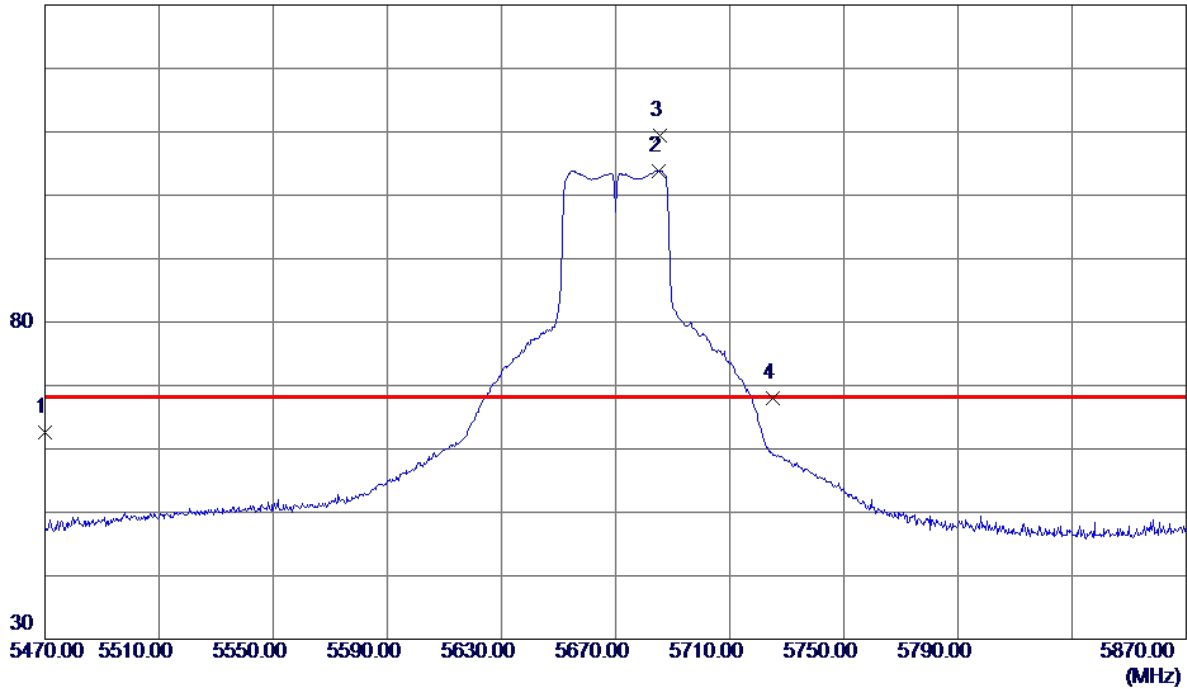


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11340.5000	50.82	2.14	52.96	74.00	-21.04	Peak	
2 *	11341.1600	42.49	2.14	44.63	54.00	-9.37	AVG	

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

### Horizontal

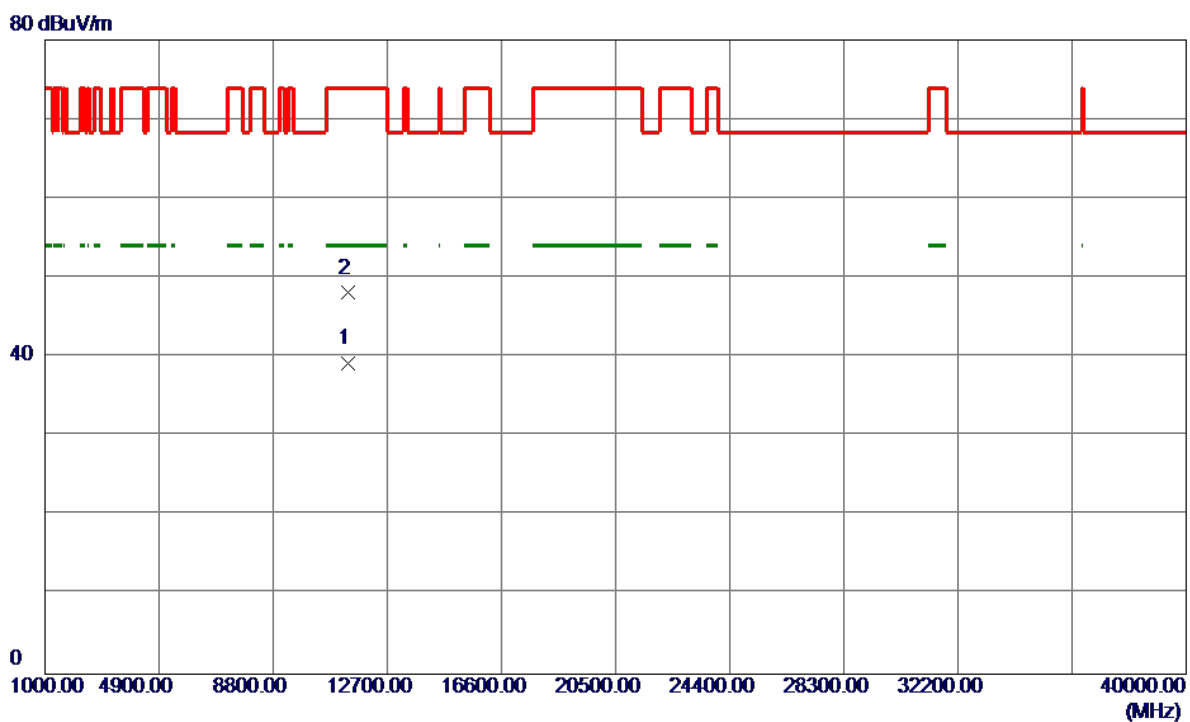
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5470.0000	22.63	40.04	62.67	68.30	-5.63	Peak	
2	5685.0000	63.54	40.30	103.84	999.00	-895.16	AVG	No Limit
3 *	5685.6000	69.10	40.30	109.40	68.30	41.10	Peak	No Limit
4	5725.0000	27.67	40.33	68.00	68.30	-0.30	Peak	

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

### Horizontal

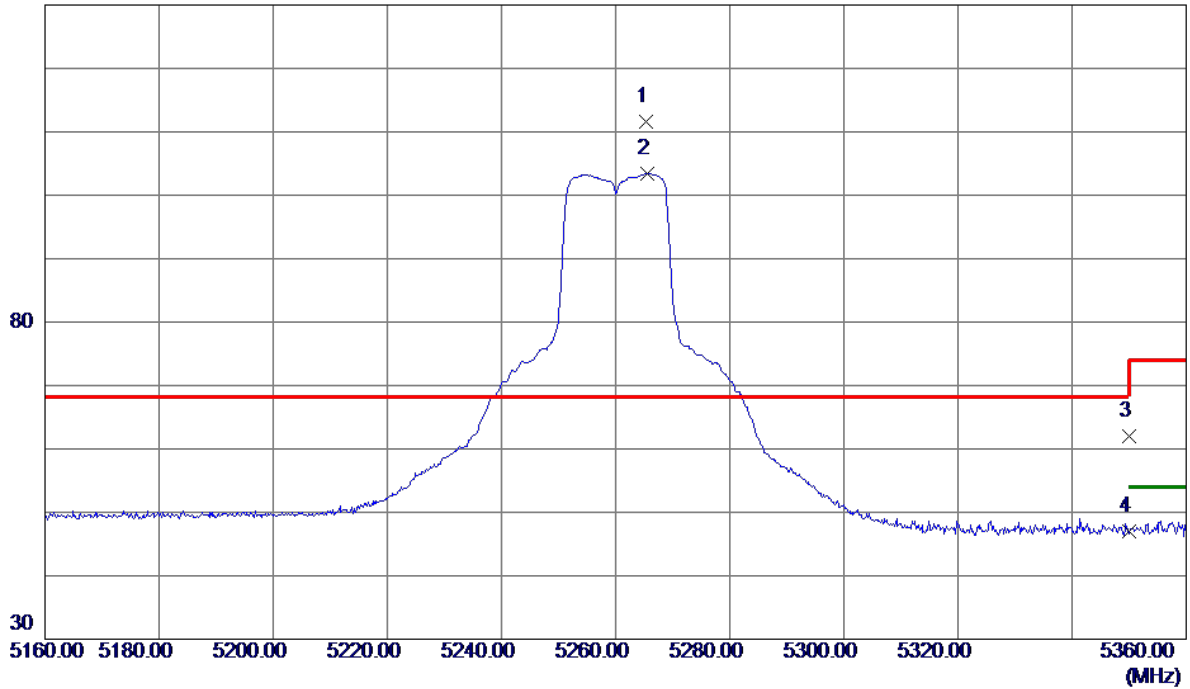


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11341.0599	37.12	2.14	39.26	54.00	-14.74	AVG	
2	11342.9400	45.94	2.14	48.08	74.00	-25.92	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5260 MHz

### Vertical

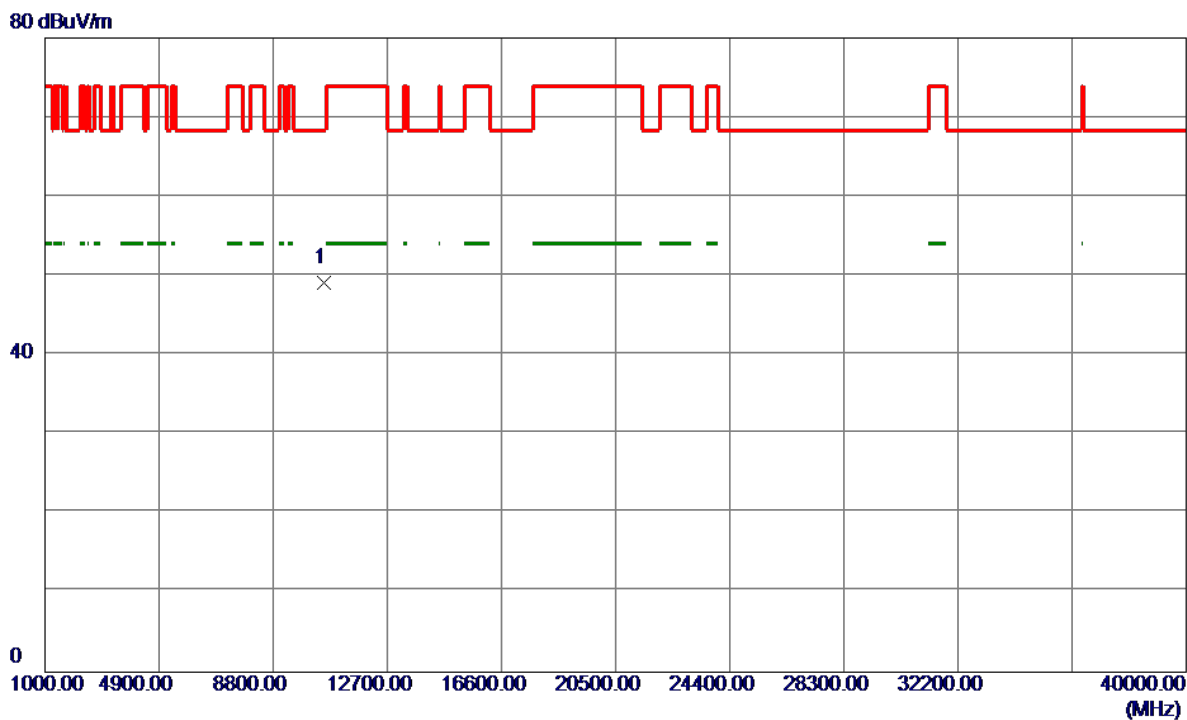
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5265.4000	72.14	39.38	111.52	68.30	43.22	Peak	No Limit
2	5265.6000	63.99	39.38	103.37	999.00	-895.63	AVG	No Limit
3	5350.0000	22.40	39.65	62.05	74.00	-11.95	Peak	
4	5350.0000	7.29	39.65	46.94	999.00	-952.06	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5260 MHz

### Vertical

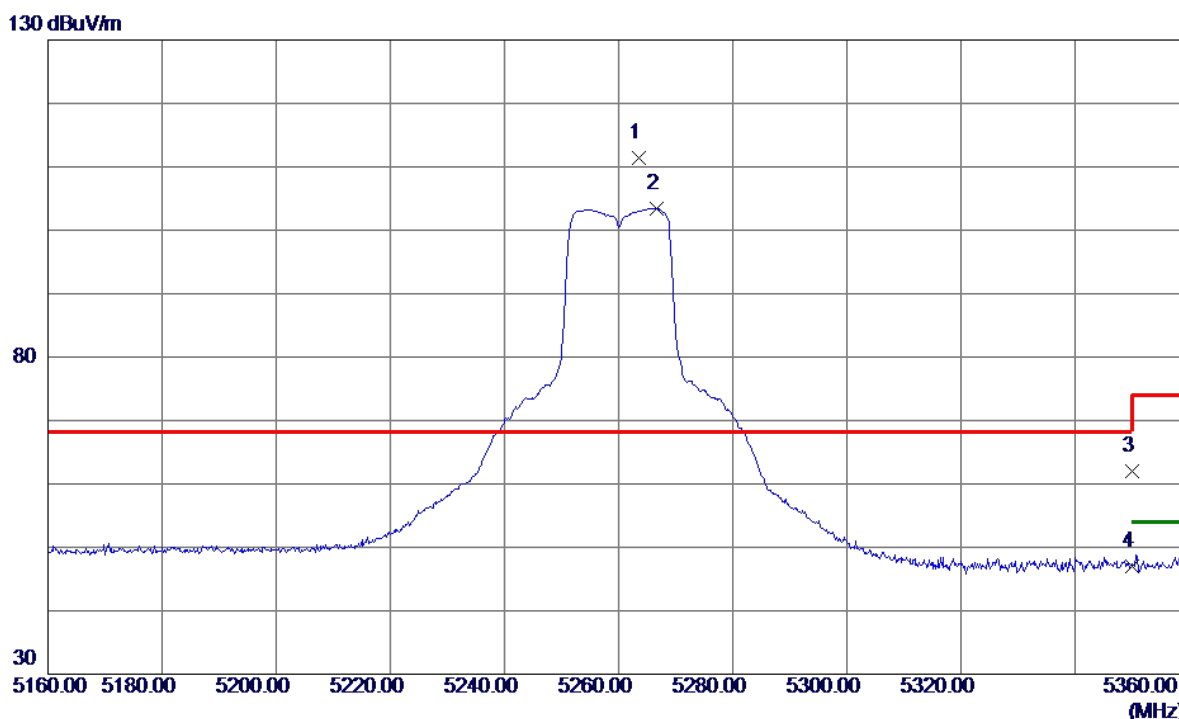


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10519.7900	47.43	1.69	49.12	68.30	-19.18	Peak	



Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5260 MHz

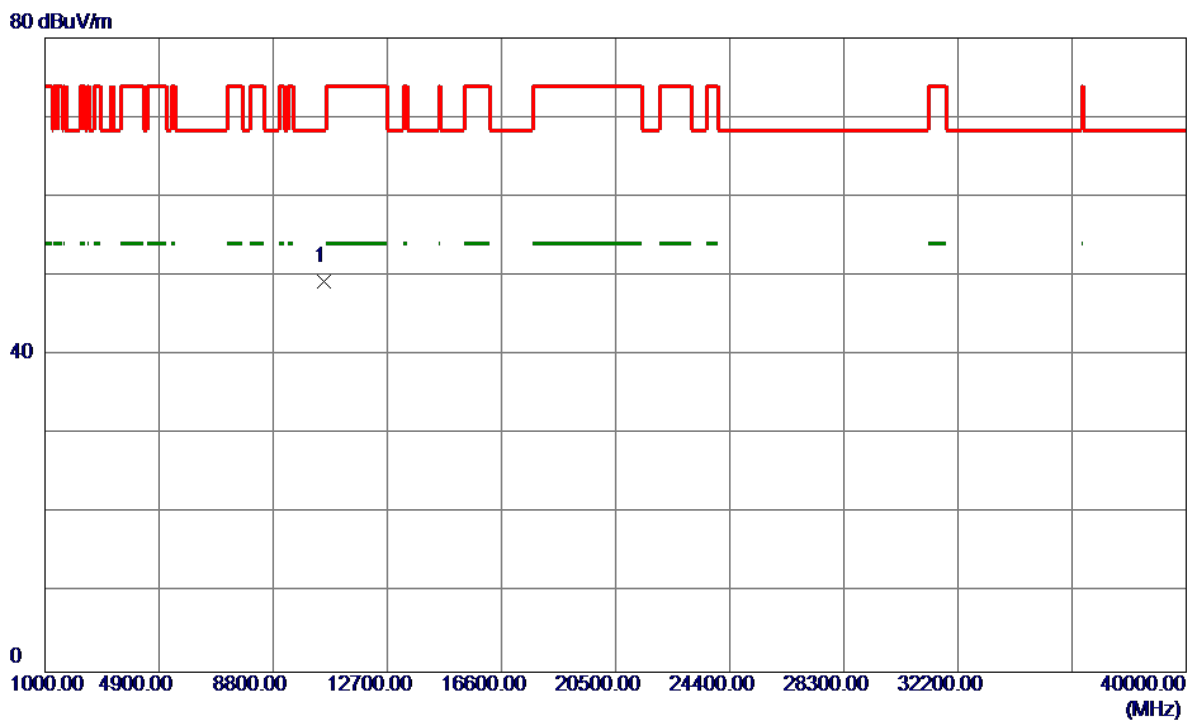
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5263.5000	72.12	39.37	111.49	68.30	43.19	Peak	No Limit
2	5266.6000	64.09	39.38	103.47	999.00	-895.53	AVG	No Limit
3	5350.0000	22.30	39.65	61.95	74.00	-12.05	Peak	
4	5350.0000	7.43	39.65	47.08	999.00	-951.92	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5260 MHz

### Horizontal

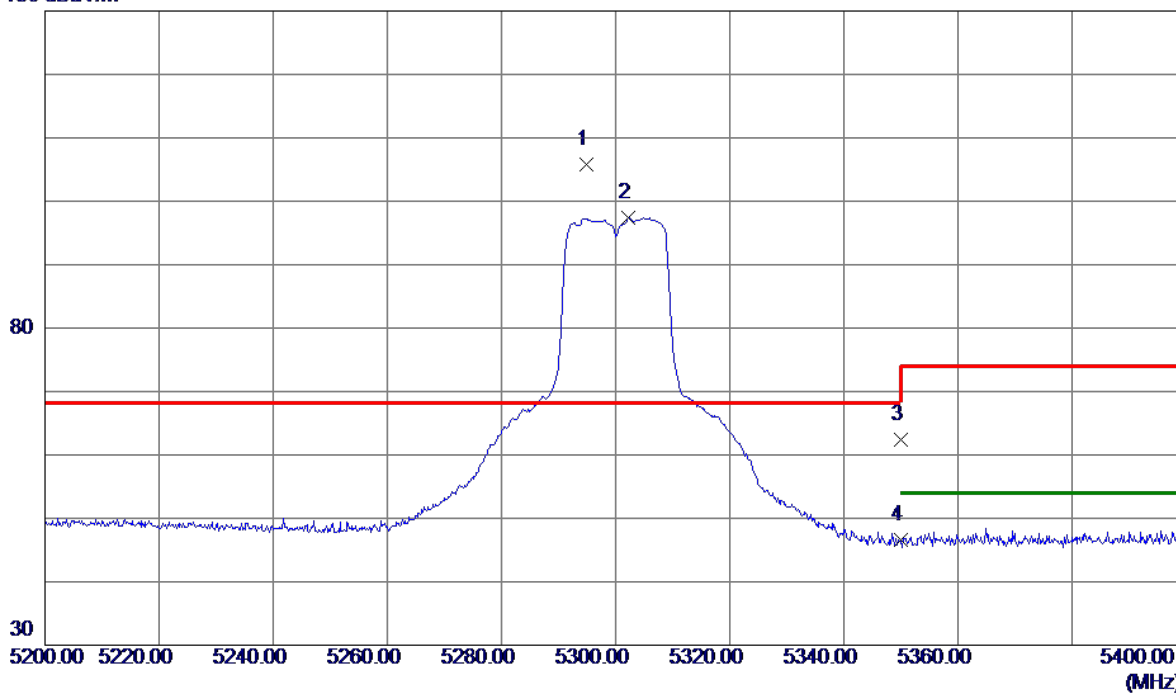


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10520.9600	47.51	1.69	49.20	68.30	-19.10	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5300 MHz

# Vertical

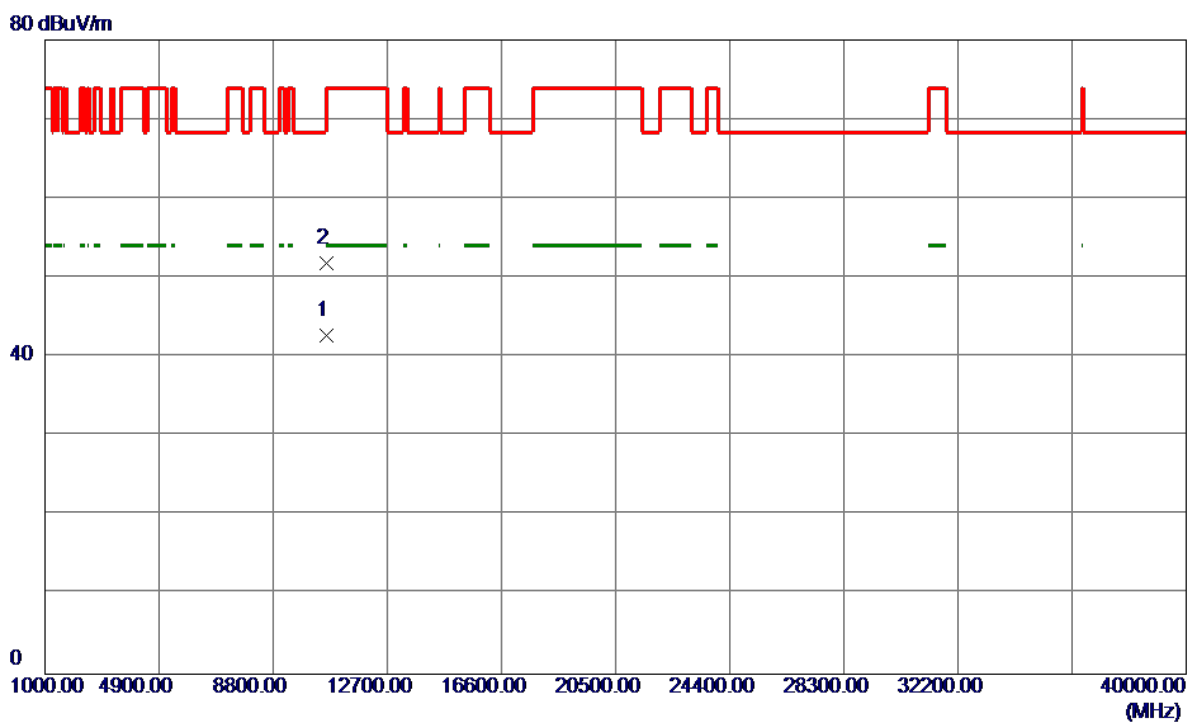
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5294.9000	66.29	39.47	105.76	68.30	37.46	Peak	No Limit
2	5302.3000	57.96	39.50	97.46	999.00	-901.54	AVG	No Limit
3	5350.0000	22.82	39.65	62.47	74.00	-11.53	Peak	
4	5350.0000	6.88	39.65	46.53	999.00	-952.47	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5300 MHz

### Vertical

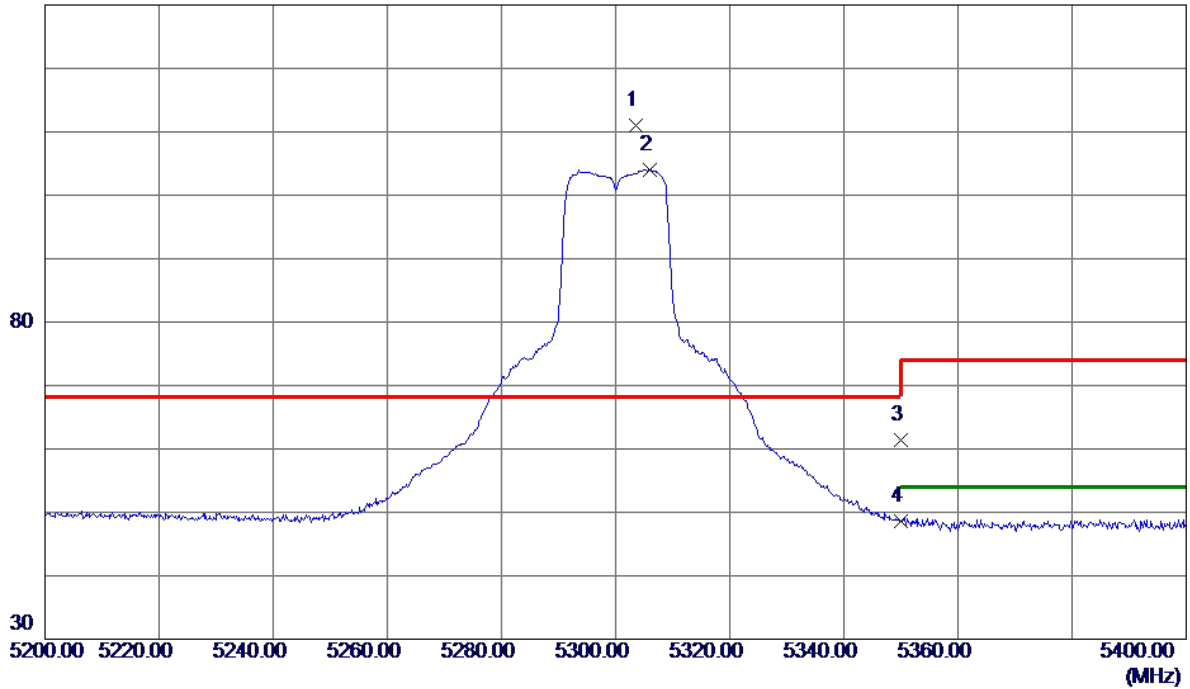


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10600.0599	40.88	1.82	42.70	54.00	-11.30	AVG	
2	10601.4400	49.98	1.82	51.80	74.00	-22.20	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5300 MHz

### Horizontal

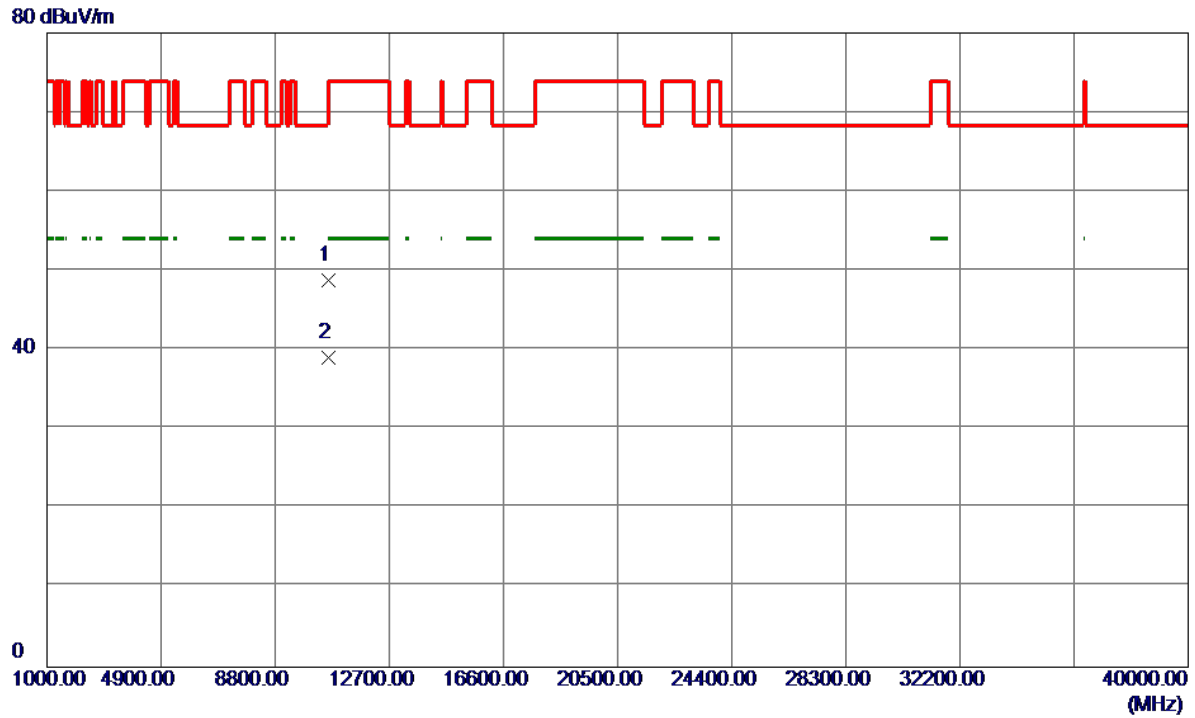
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5303.6000	71.44	39.50	110.94	68.30	42.64	Peak	No Limit
2	5306.1000	64.44	39.51	103.95	999.00	-895.05	AVG	No Limit
3	5350.0000	21.83	39.65	61.48	74.00	-12.52	Peak	
4	5350.0000	8.89	39.65	48.54	999.00	-950.46	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5300 MHz

### Horizontal

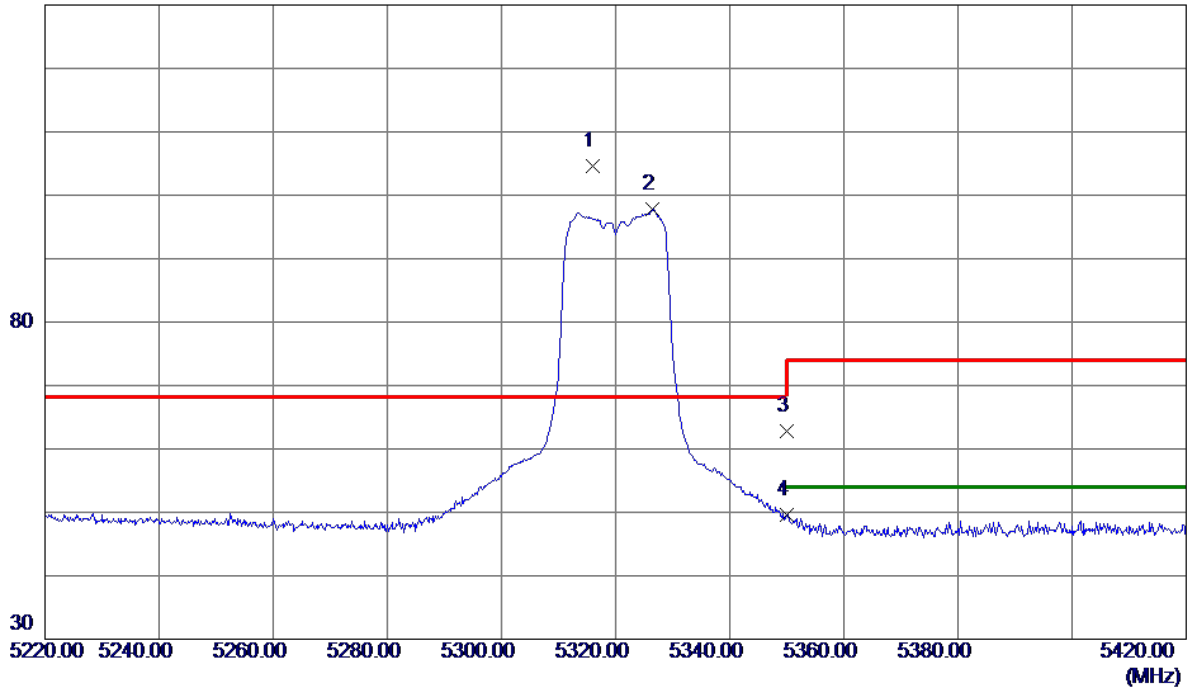


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10602.7699	46.94	1.82	48.76	74.00	-25.24	Peak	
2 *	10604.1600	37.17	1.83	39.00	54.00	-15.00	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5320 MHz

Vertical

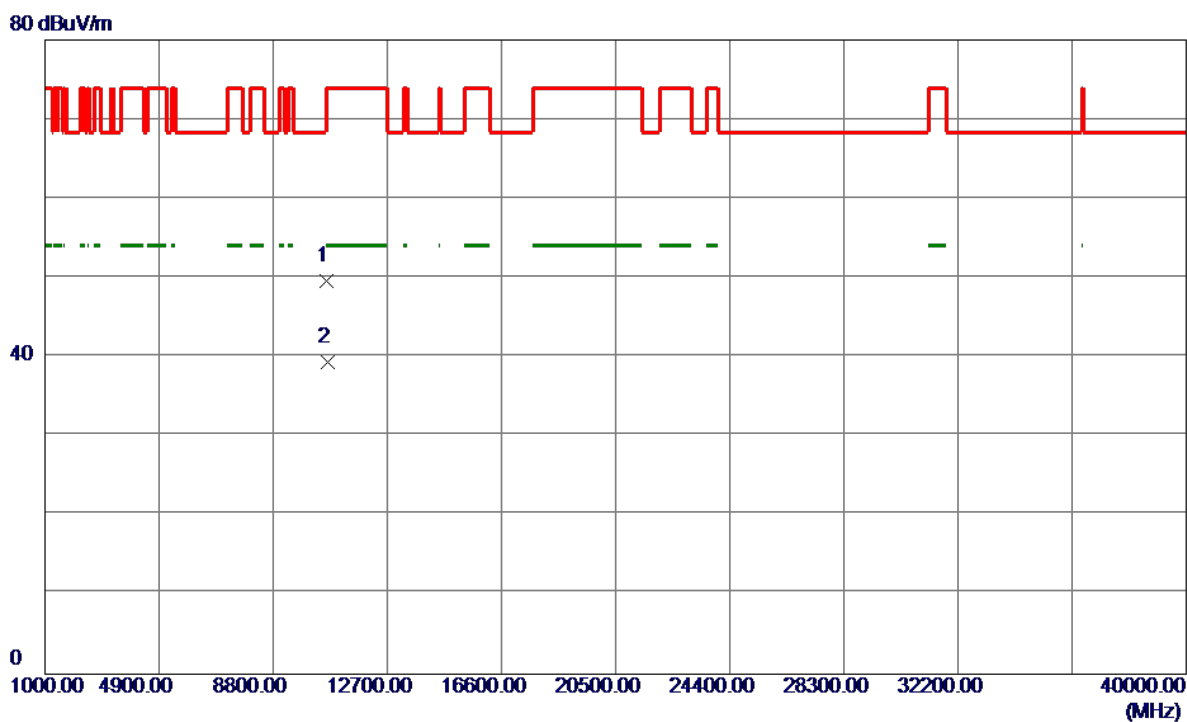
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5316.0000	65.05	39.54	104.59	68.30	36.29	Peak	No Limit
2	5326.5000	58.25	39.57	97.82	999.00	-901.18	AVG	No Limit
3	5350.0000	23.17	39.65	62.82	74.00	-11.18	Peak	
4	5350.0000	10.02	39.65	49.67	999.00	-949.33	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5320 MHz

# Vertical



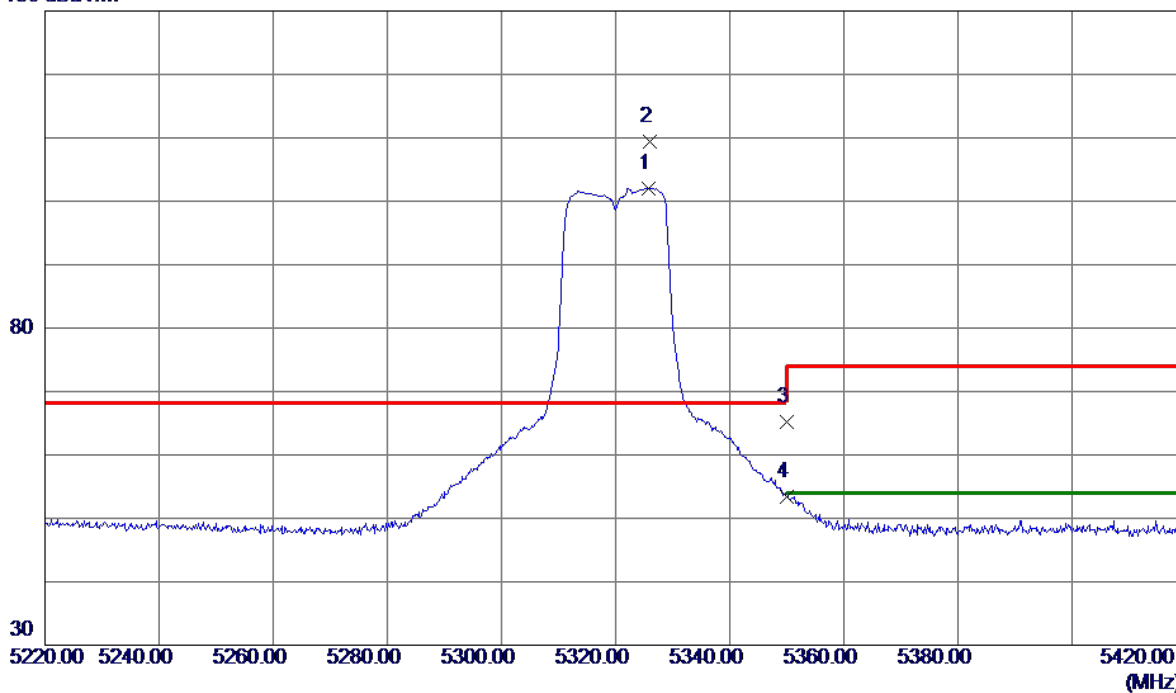
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10641.1800	47.66	1.89	49.55	74.00	-24.45	Peak	
2 *	10643.8099	37.44	1.89	39.33	54.00	-14.67	AVG	



Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5320 MHz

### Horizontal

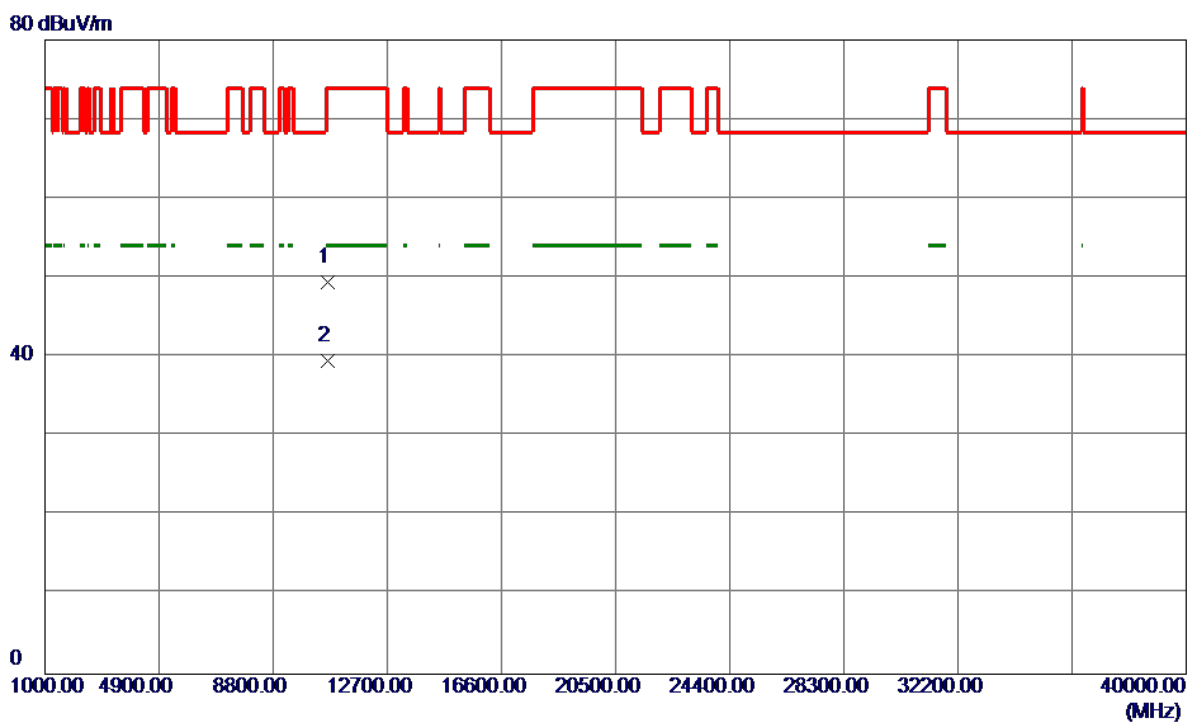
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5325.7000	62.50	39.57	102.07	999.00	-896.93	AVG	No Limit
2 *	5325.9000	69.74	39.57	109.31	68.30	41.01	Peak	No Limit
3	5350.0000	25.58	39.65	65.23	74.00	-8.77	Peak	
4	5350.0000	13.81	39.65	53.46	999.00	-945.54	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5320 MHz

### Horizontal

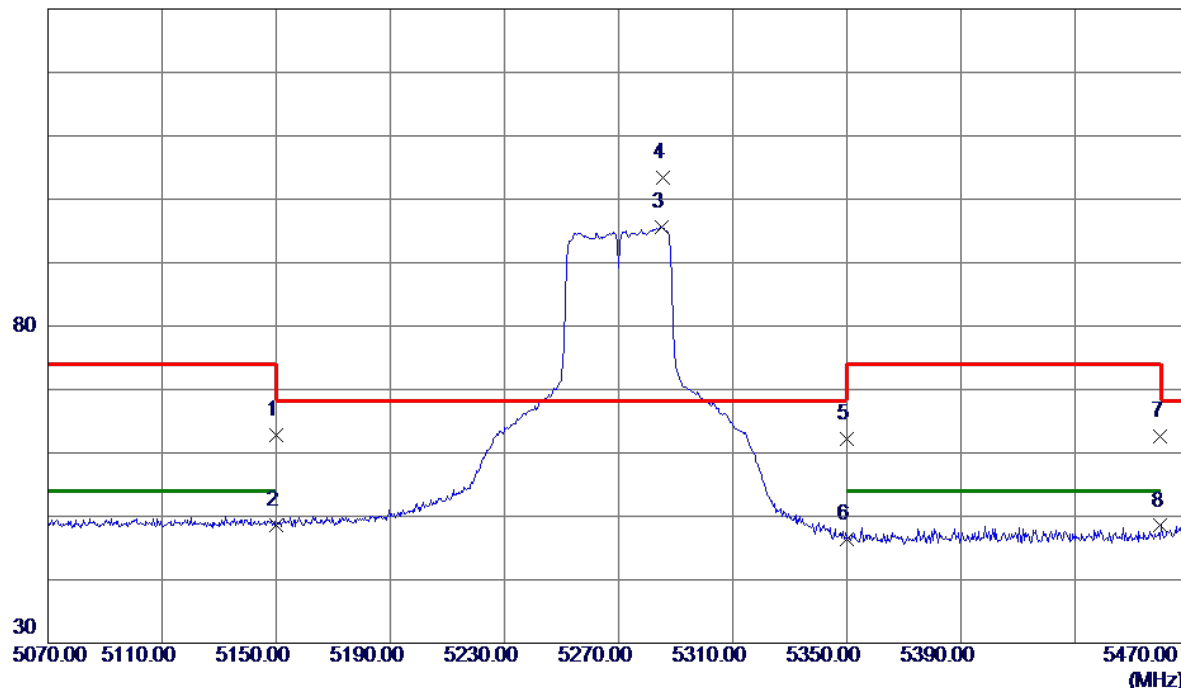


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10641.9800	47.51	1.89	49.40	74.00	-24.60	Peak	
2 *	10644.6100	37.63	1.89	39.52	54.00	-14.48	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5270MHz

# Vertical

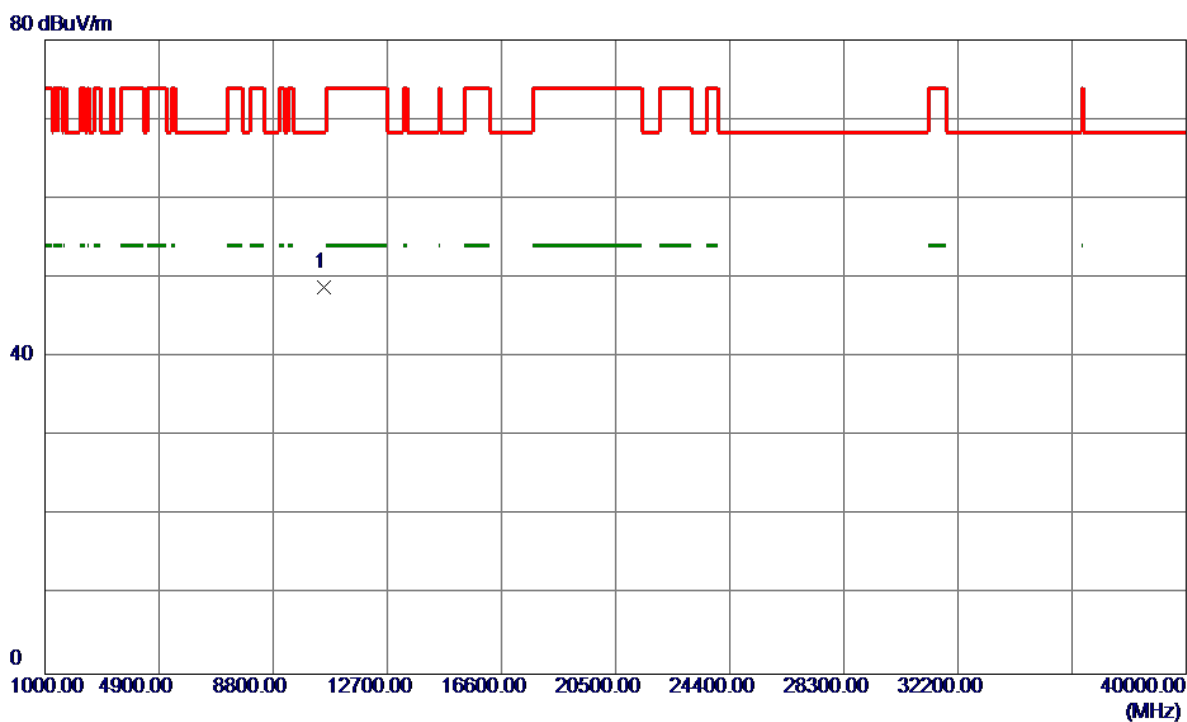
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.71	39.00	62.71	74.00	-11.29	Peak	
2	5150.0000	9.63	39.00	48.63	54.00	-5.37	AVG	
3	5285.2000	56.18	39.44	95.62	999.00	-903.38	AVG	No Limit
4 *	5285.4000	63.88	39.44	103.32	68.30	35.02	Peak	No Limit
5	5350.0000	22.59	39.65	62.24	74.00	-11.76	Peak	
6	5350.0000	6.72	39.65	46.37	999.00	-952.63	AVG	
7	5460.0000	22.60	40.01	62.61	74.00	-11.39	Peak	
8	5460.0000	8.49	40.01	48.50	54.00	-5.50	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5270MHz

# Vertical

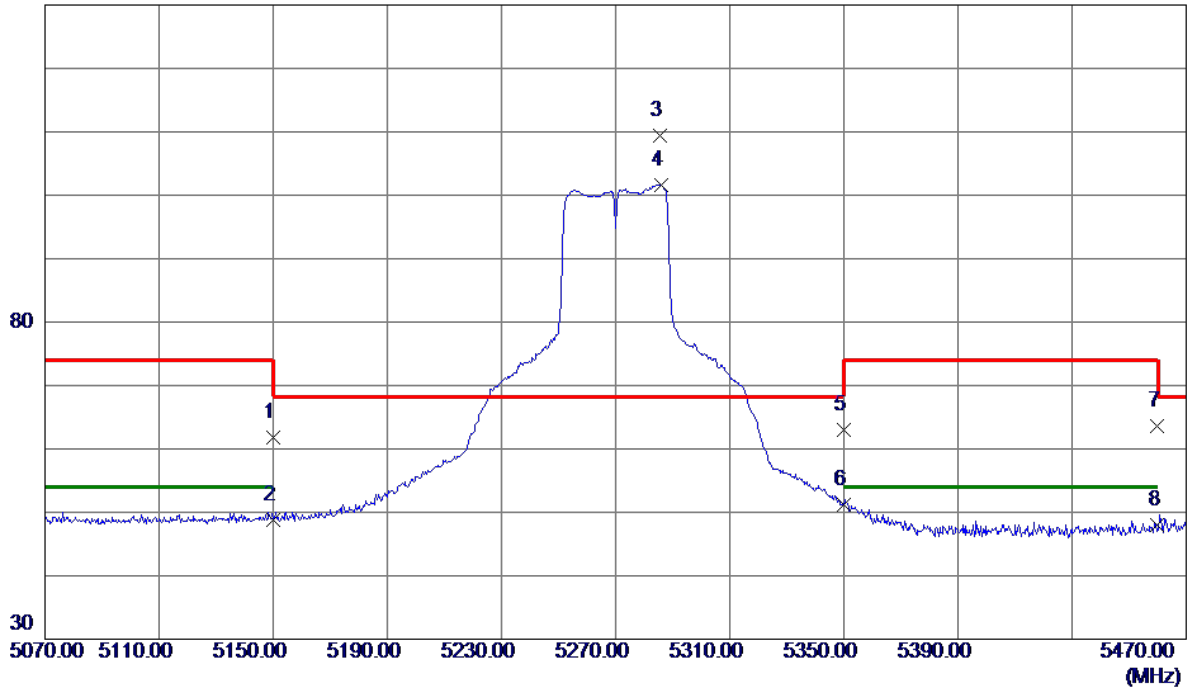


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10541.9400	47.05	1.72	48.77	68.30	-19.53	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5270MHz

### Horizontal

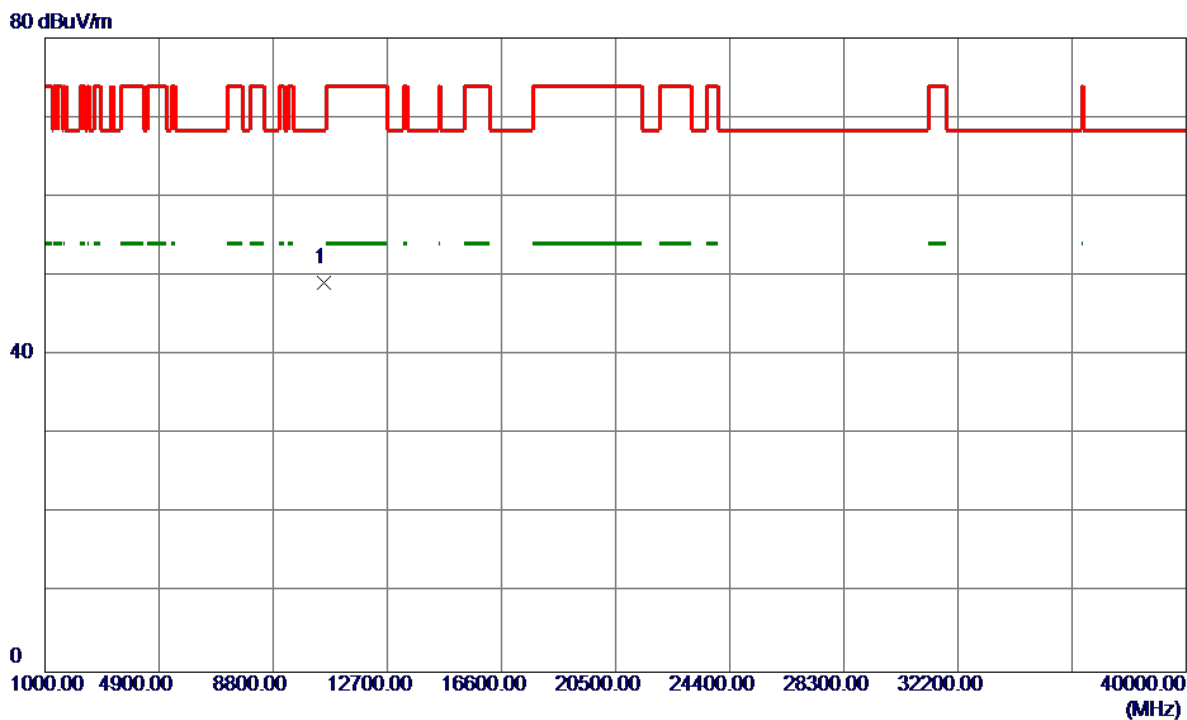
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.77	39.00	61.77	74.00	-12.23	Peak	
2	5150.0000	9.78	39.00	48.78	54.00	-5.22	AVG	
3 *	5285.4000	70.00	39.44	109.44	68.30	41.14	Peak	No Limit
4	5286.0000	62.17	39.44	101.61	999.00	-897.39	AVG	No Limit
5	5350.0000	23.33	39.65	62.98	74.00	-11.02	Peak	
6	5350.0000	11.60	39.65	51.25	999.00	-947.75	AVG	
7	5460.0000	23.52	40.01	63.53	74.00	-10.47	Peak	
8	5460.0000	8.02	40.01	48.03	54.00	-5.97	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5270MHz

### Horizontal

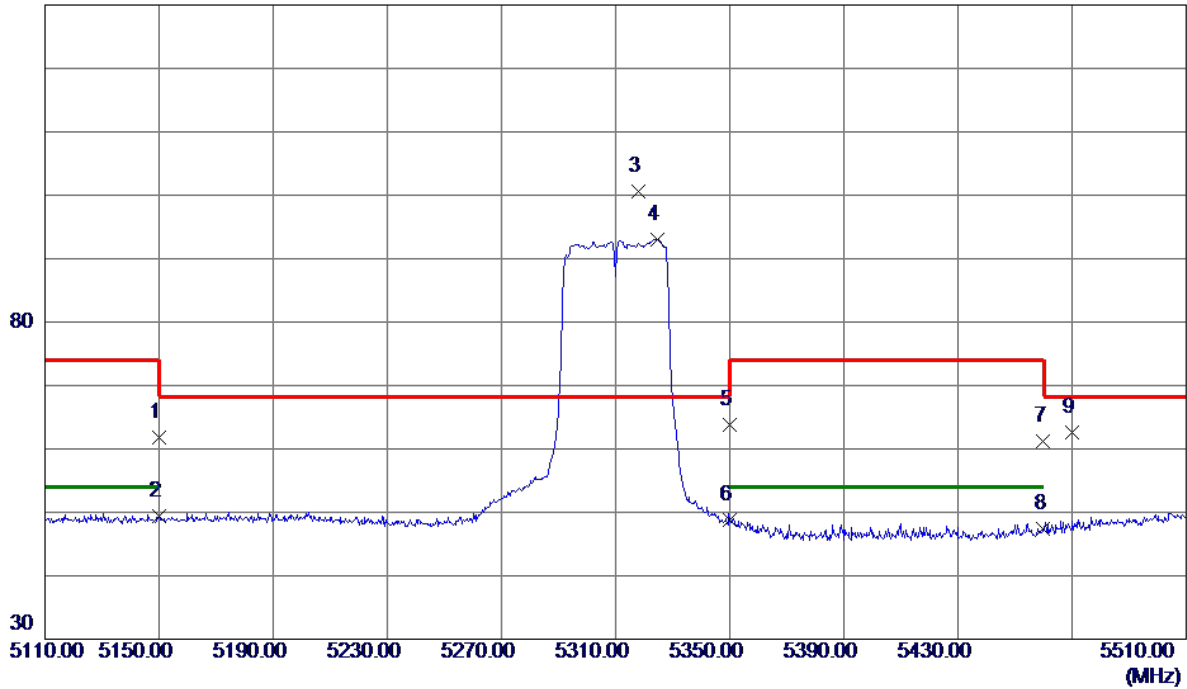


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10538.8000	47.41	1.72	49.13	68.30	-19.17	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5310MHz

### Vertical

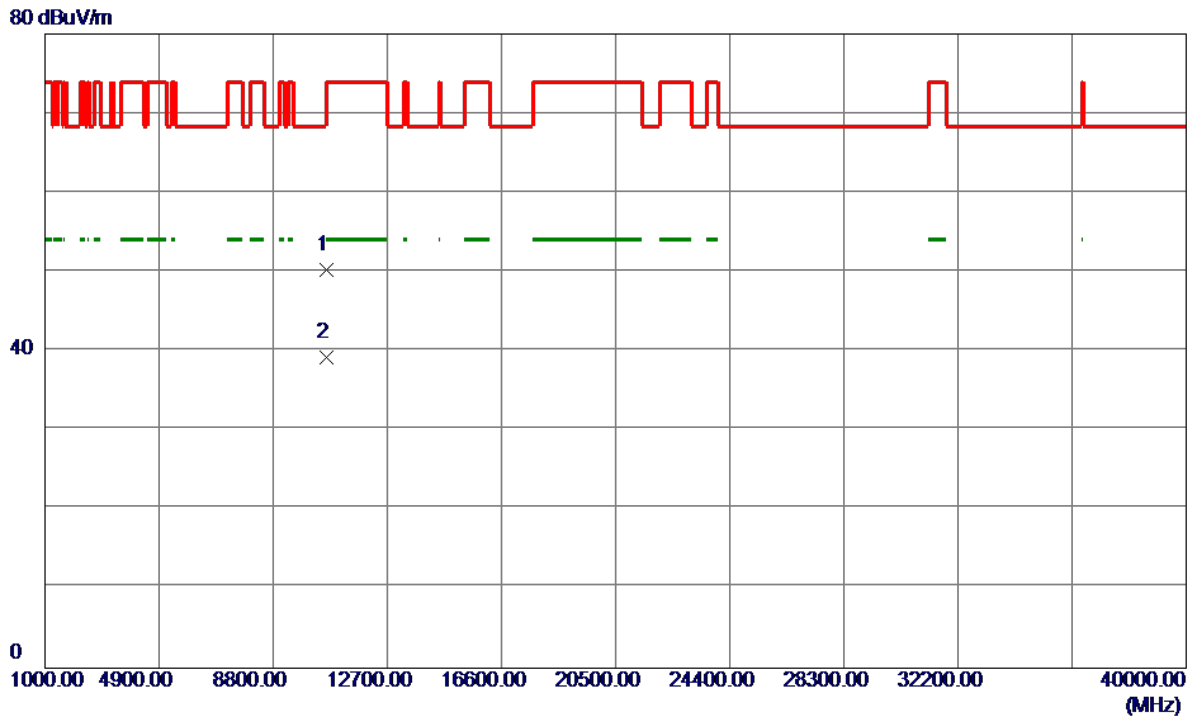
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.73	39.00	61.73	74.00	-12.27	Peak	
2	5150.0000	10.34	39.00	49.34	54.00	-4.66	AVG	
3 *	5317.8000	61.12	39.55	100.67	68.30	32.37	Peak	No Limit
4	5324.8000	53.46	39.57	93.03	999.00	-905.97	AVG	No Limit
5	5350.0000	24.10	39.65	63.75	74.00	-10.25	Peak	
6	5350.0000	9.15	39.65	48.80	999.00	-950.20	AVG	
7	5460.0000	21.23	40.01	61.24	74.00	-12.76	Peak	
8	5460.0000	7.45	40.01	47.46	54.00	-6.54	AVG	
9	5470.0000	22.47	40.04	62.51	68.30	-5.79	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5310MHz

### Vertical



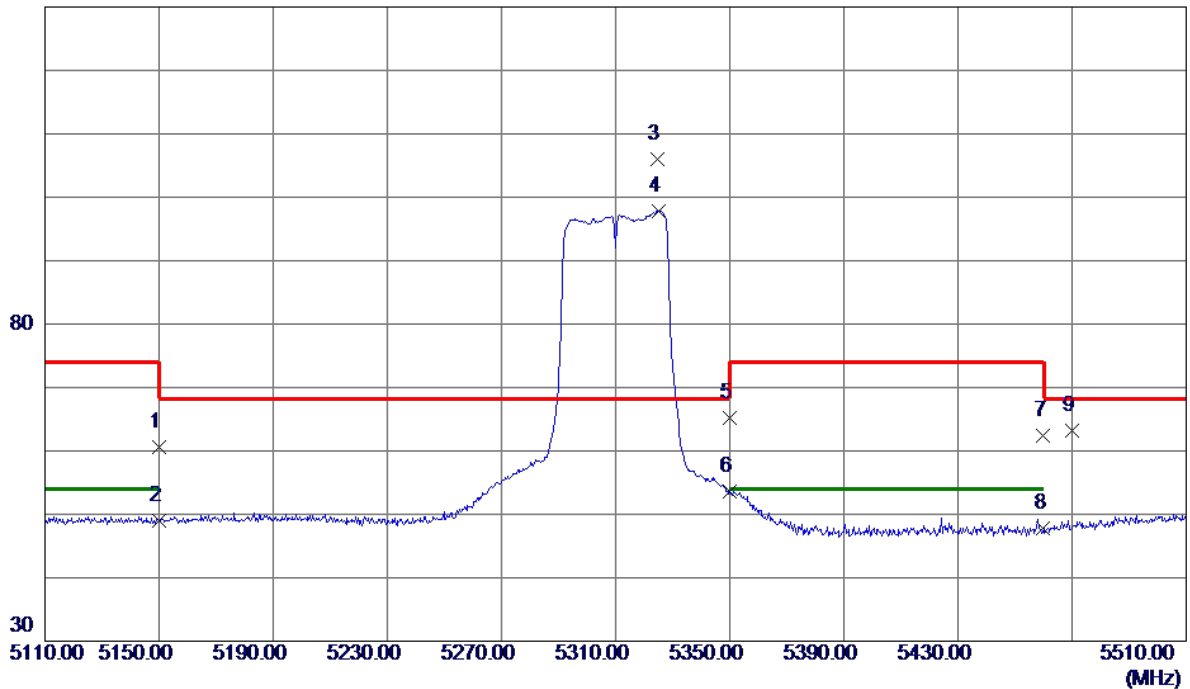
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10618.2400	48.41	1.85	50.26	74.00	-23.74	Peak	
2 *	10621.4200	37.38	1.86	39.24	54.00	-14.76	AVG	



Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5310MHz

### Horizontal

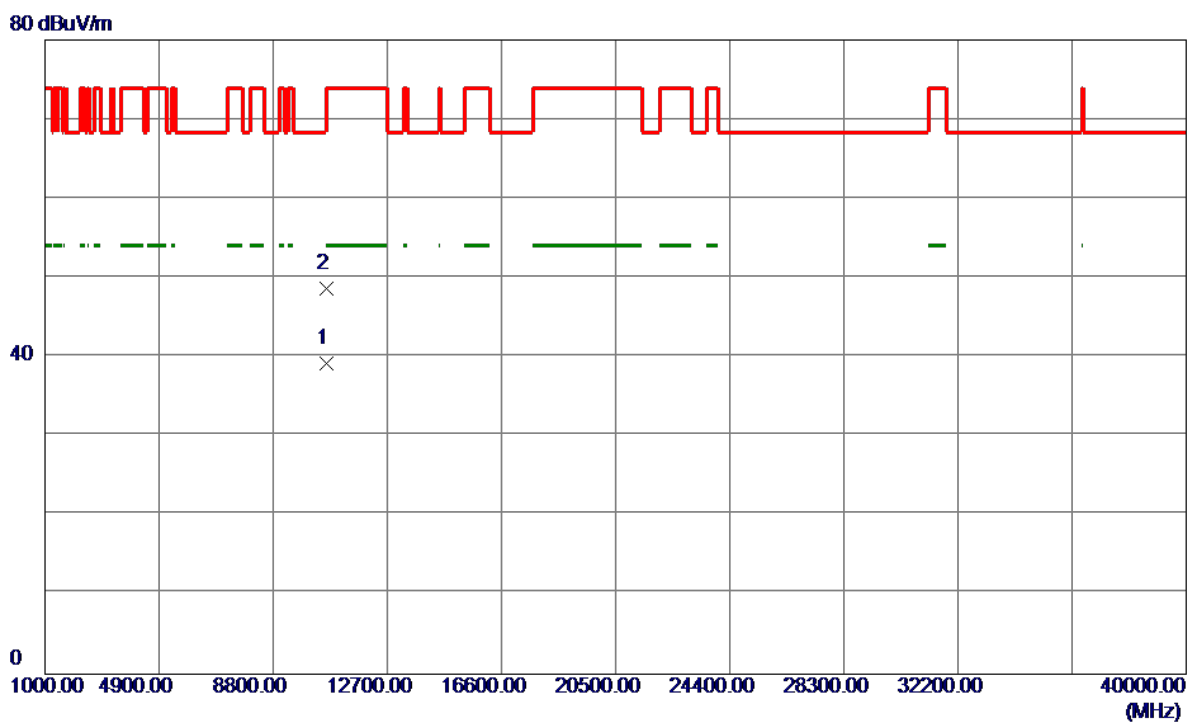
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	21.66	39.00	60.66	74.00	-13.34	Peak	
2	5150.0000	10.04	39.00	49.04	54.00	-4.96	AVG	
3 *	5324.8000	66.41	39.57	105.98	68.30	37.68	Peak	No Limit
4	5325.0000	58.27	39.57	97.84	999.00	-901.16	AVG	No Limit
5	5350.0000	25.58	39.65	65.23	74.00	-8.77	Peak	
6	5350.0000	13.87	39.65	53.52	999.00	-945.48	AVG	
7	5460.0000	22.46	40.01	62.47	74.00	-11.53	Peak	
8	5460.0000	7.70	40.01	47.71	54.00	-6.29	AVG	
9	5470.0000	23.19	40.04	63.23	68.30	-5.07	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5310MHz

### Horizontal

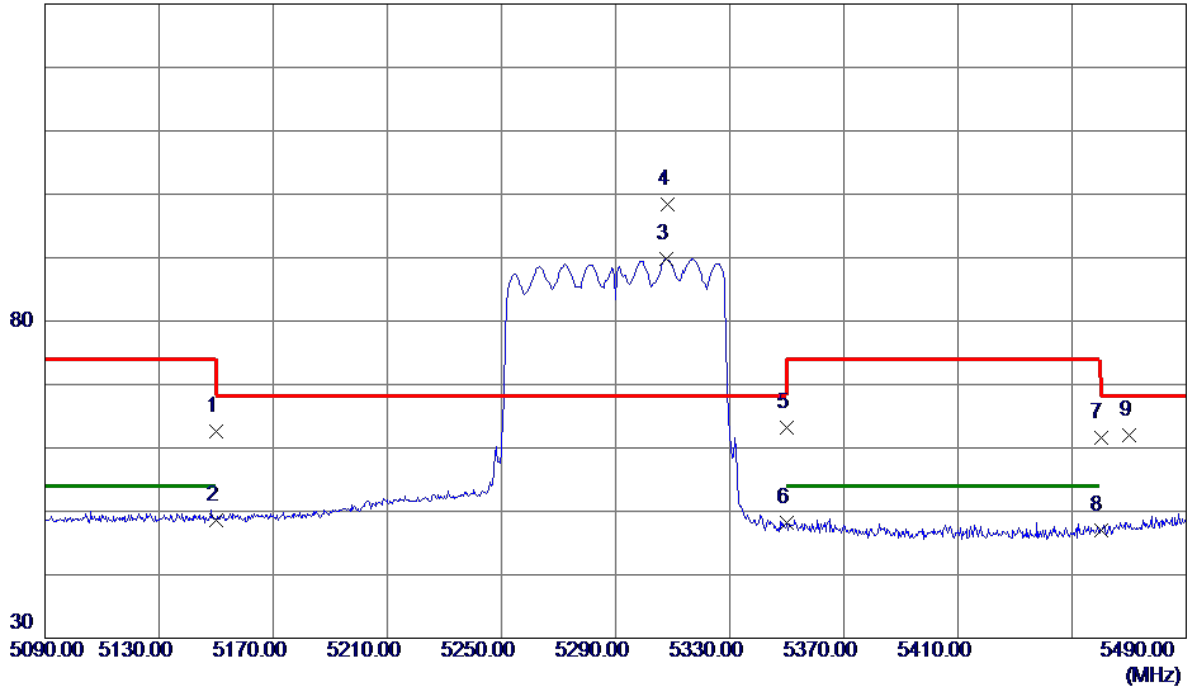


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10621.5000	37.36	1.86	39.22	54.00	-14.78	AVG	
2	10621.8000	46.80	1.86	48.66	74.00	-25.34	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC80 Mode 5290MHz

### Vertical

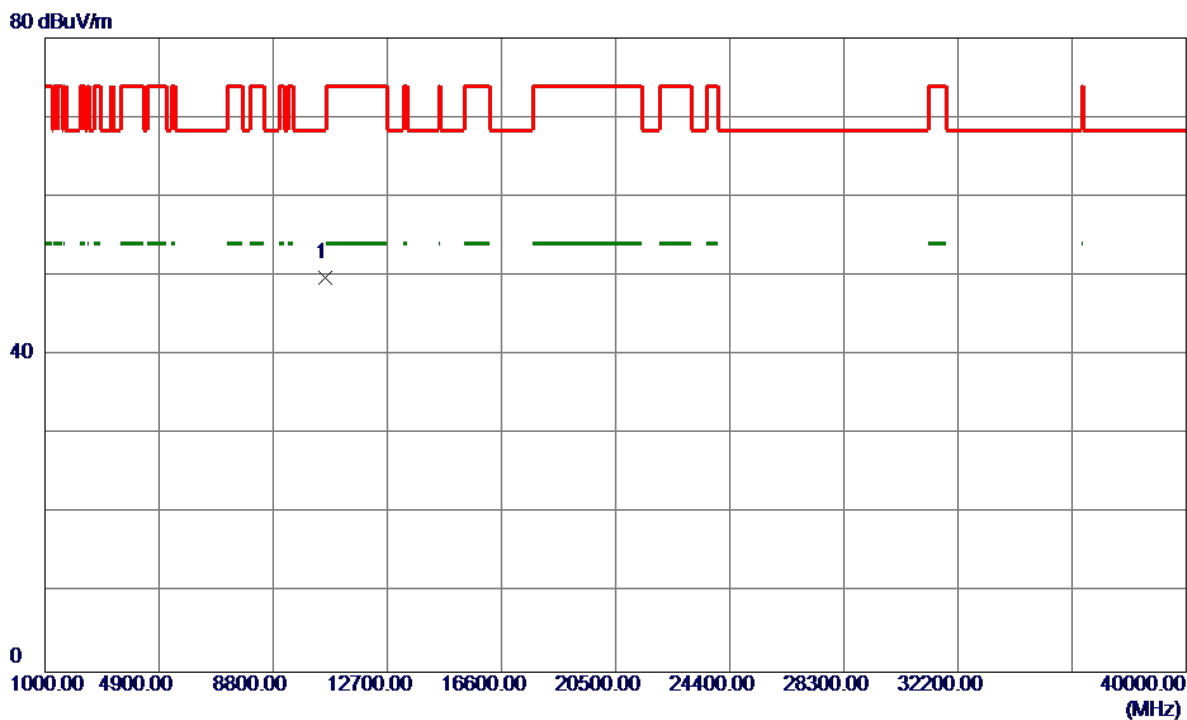
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.56	39.00	62.56	74.00	-11.44	Peak	
2	5150.0000	9.59	39.00	48.59	54.00	-5.41	AVG	
3	5307.6000	50.33	39.51	89.84	999.00	-909.16	AVG	No Limit
4 *	5308.2000	58.80	39.51	98.31	68.30	30.01	Peak	No Limit
5	5350.0000	23.59	39.65	63.24	74.00	-10.76	Peak	
6	5350.0000	8.63	39.65	48.28	999.00	-950.72	AVG	
7	5460.0000	21.55	40.01	61.56	74.00	-12.44	Peak	
8	5460.0000	6.97	40.01	46.98	54.00	-7.02	AVG	
9	5470.0000	22.04	40.04	62.08	68.30	-6.22	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC80 Mode 5290MHz

### Vertical

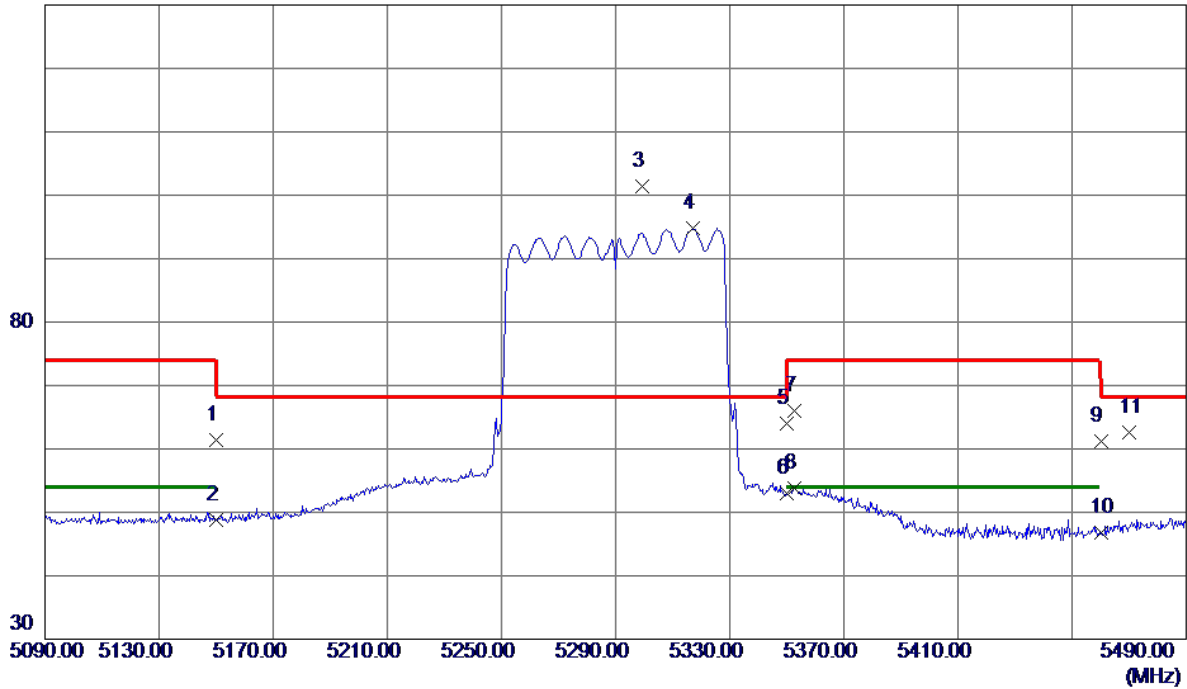


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10579.1200	48.03	1.79	49.82	68.30	-18.48	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC80 Mode 5290MHz

### Horizontal

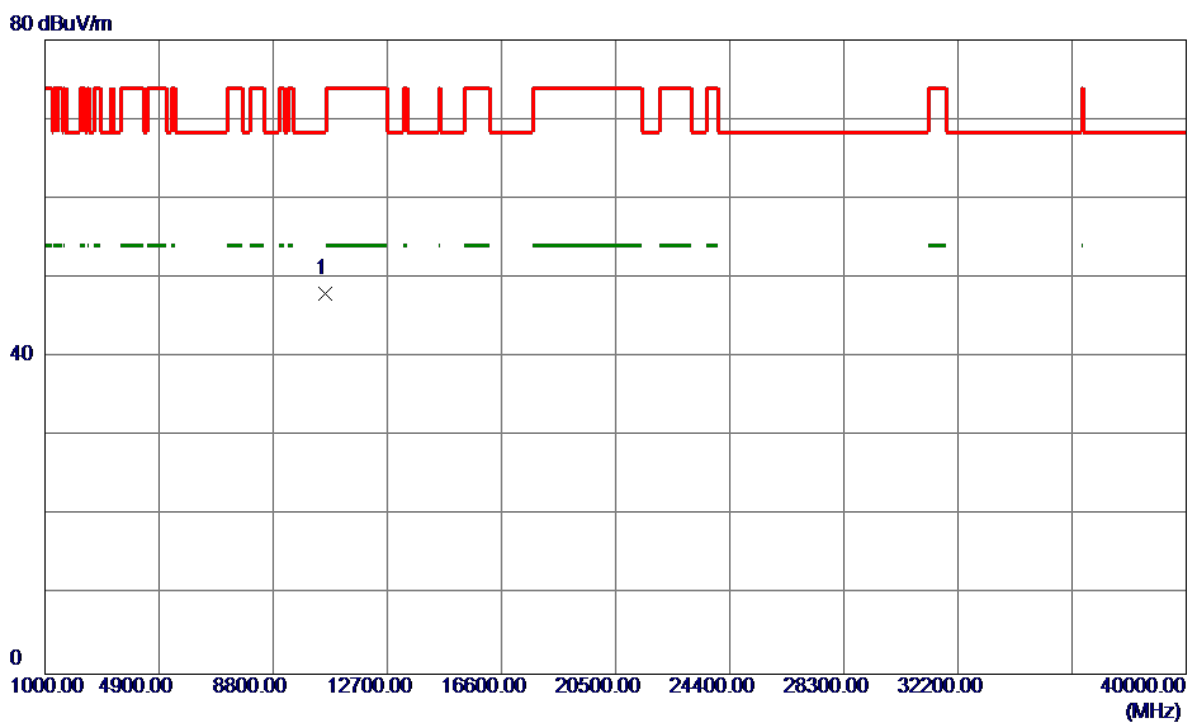
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.49	39.00	61.49	74.00	-12.51	Peak	
2	5150.0000	9.75	39.00	48.75	54.00	-5.25	AVG	
3 *	5299.2000	61.84	39.49	101.33	68.30	33.03	Peak	No Limit
4	5317.0000	55.22	39.54	94.76	999.00	-904.24	AVG	No Limit
5	5350.0000	24.44	39.65	64.09	74.00	-9.91	Peak	
6	5350.0000	13.33	39.65	52.98	999.00	-946.02	AVG	
7	5352.6000	26.27	39.66	65.93	74.00	-8.07	Peak	
8	5352.6000	14.13	39.66	53.79	54.00	-0.21	AVG	
9	5460.0000	21.21	40.01	61.22	74.00	-12.78	Peak	
10	5460.0000	6.82	40.01	46.83	54.00	-7.17	AVG	
11	5470.0000	22.65	40.04	62.69	68.30	-5.61	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC80 Mode 5290MHz

### Horizontal

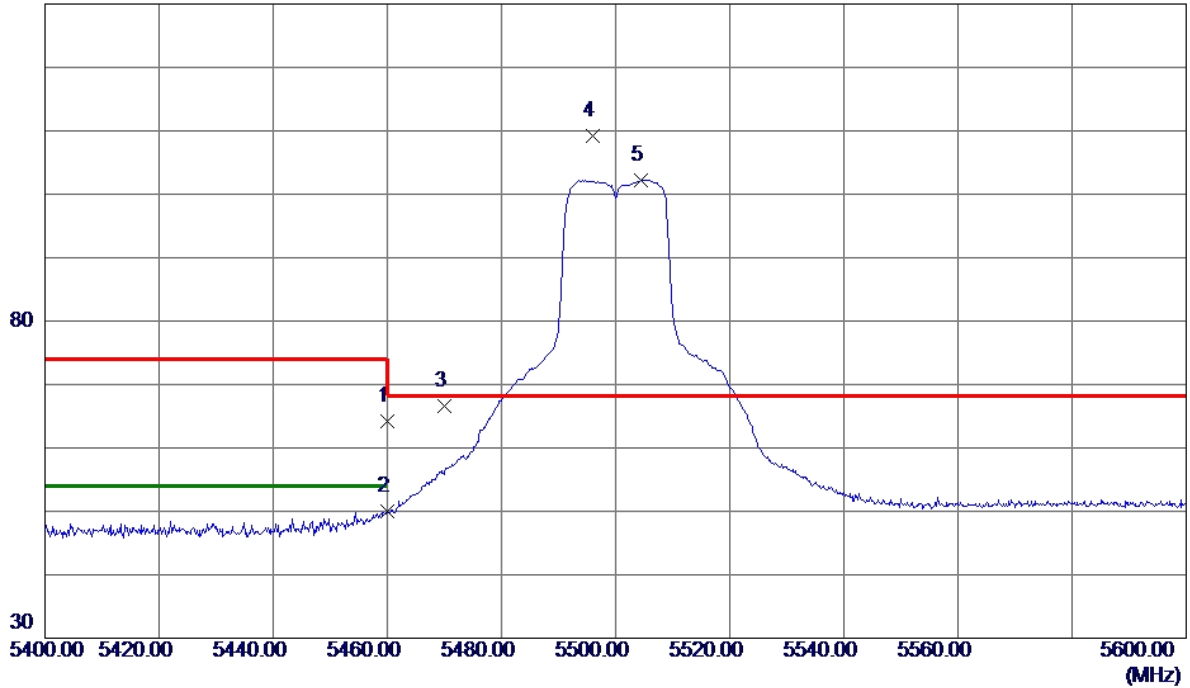


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10580.6200	46.17	1.79	47.96	68.30	-20.34	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5500 MHz

### Vertical

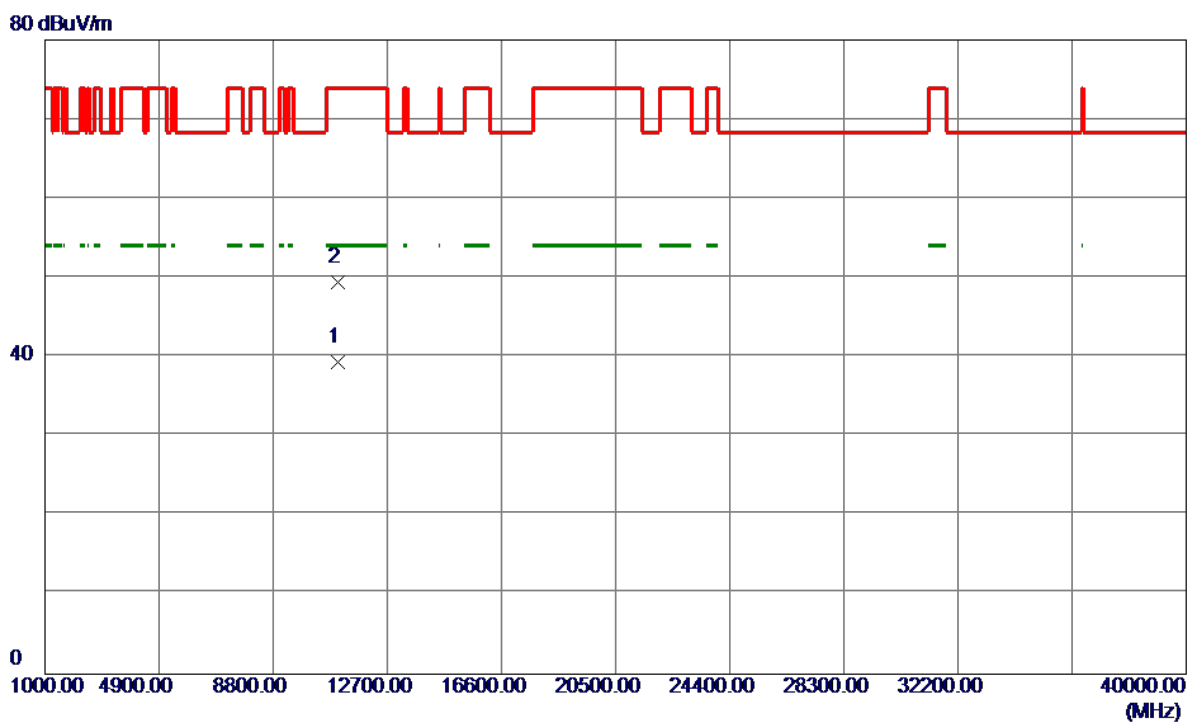
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	24.12	40.01	64.13	74.00	-9.87	Peak	
2	5460.0000	9.94	40.01	49.95	54.00	-4.05	AVG	
3	5470.0000	26.49	40.04	66.53	68.30	-1.77	Peak	
4 *	5495.9000	69.06	40.13	109.19	68.30	40.89	Peak	No Limit
5	5504.4000	62.09	40.14	102.23	999.00	-896.77	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5500 MHz

# Vertical

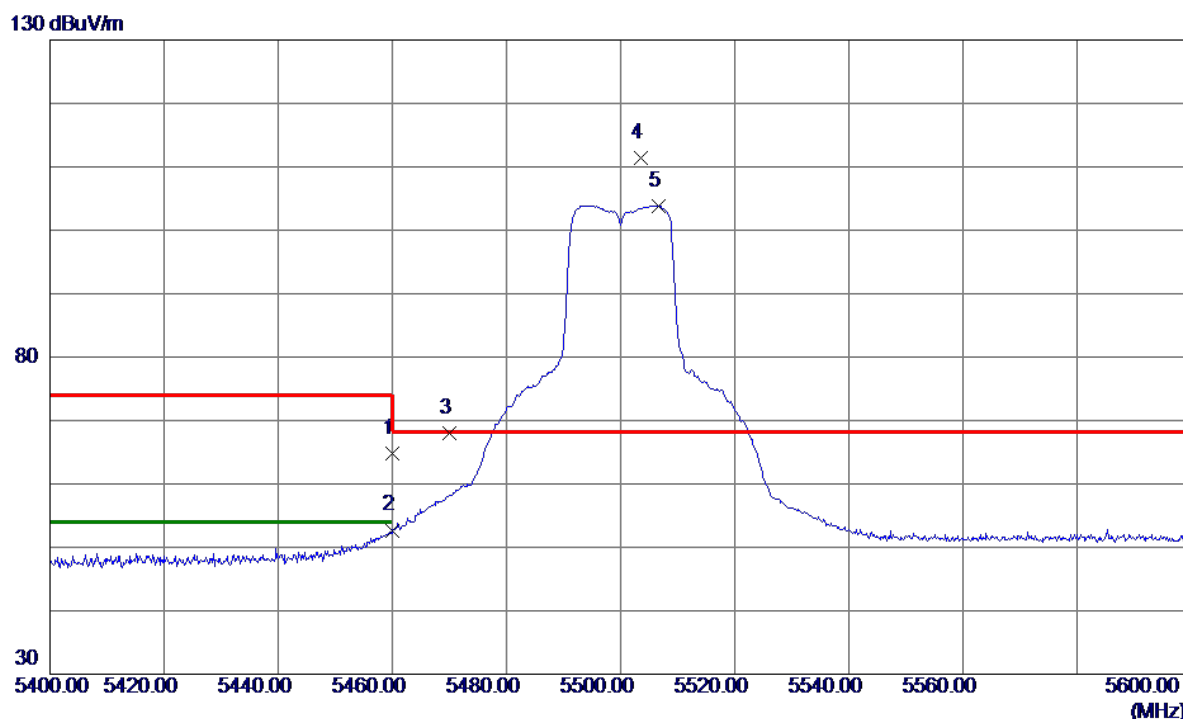


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11000.5500	36.87	2.48	39.35	54.00	-14.65	AVG	
2	11004.6200	46.92	2.48	49.40	74.00	-24.60	Peak	



Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5500 MHz

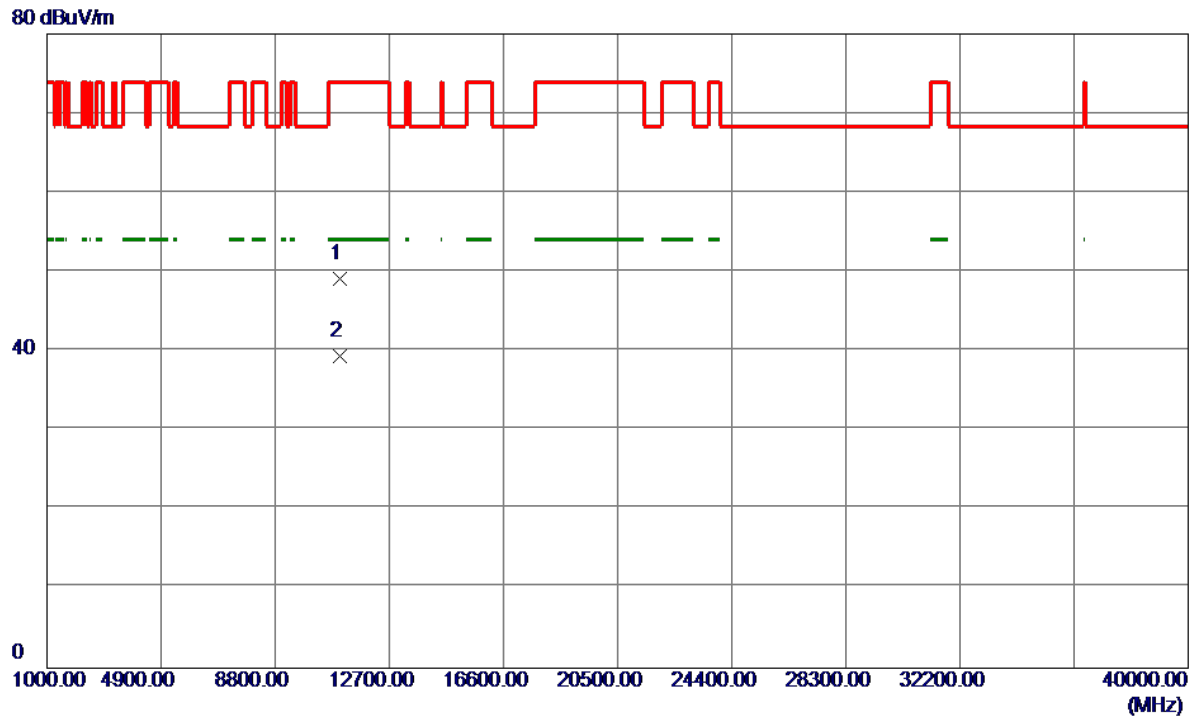
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	24.83	40.01	64.84	74.00	-9.16	Peak	
2	5460.0000	12.69	40.01	52.70	54.00	-1.30	AVG	
3	5470.0000	27.91	40.04	67.95	68.30	-0.35	Peak	
4 *	5503.5000	71.33	40.14	111.47	68.30	43.17	Peak	No Limit
5	5506.7000	63.74	40.15	103.89	999.00	-895.11	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5500 MHz

### Horizontal

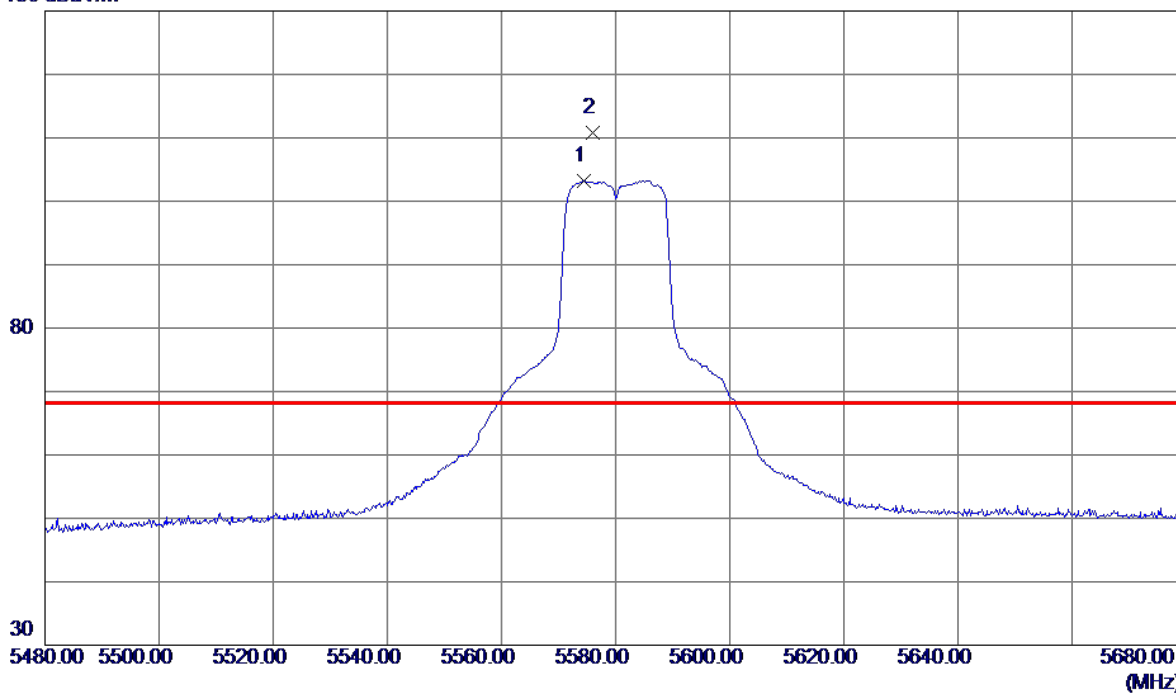


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10993.4800	46.61	2.47	49.08	74.00	-24.92	Peak	
2 *	10999.7800	36.88	2.48	39.36	54.00	-14.64	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5580 MHz

# Vertical

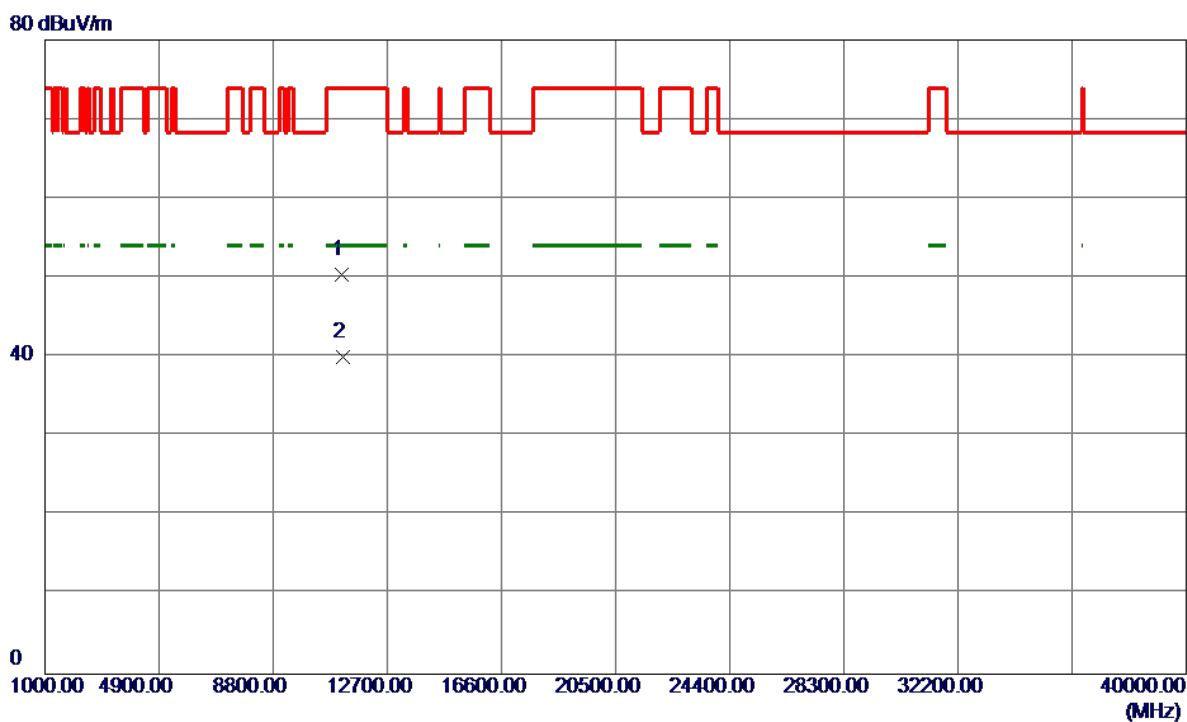
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5574.5000	63.03	40.20	103.23	999.00	-895.77	AVG	No Limit
2 *	5575.9000	70.50	40.21	110.71	68.30	42.41	Peak	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5580 MHz

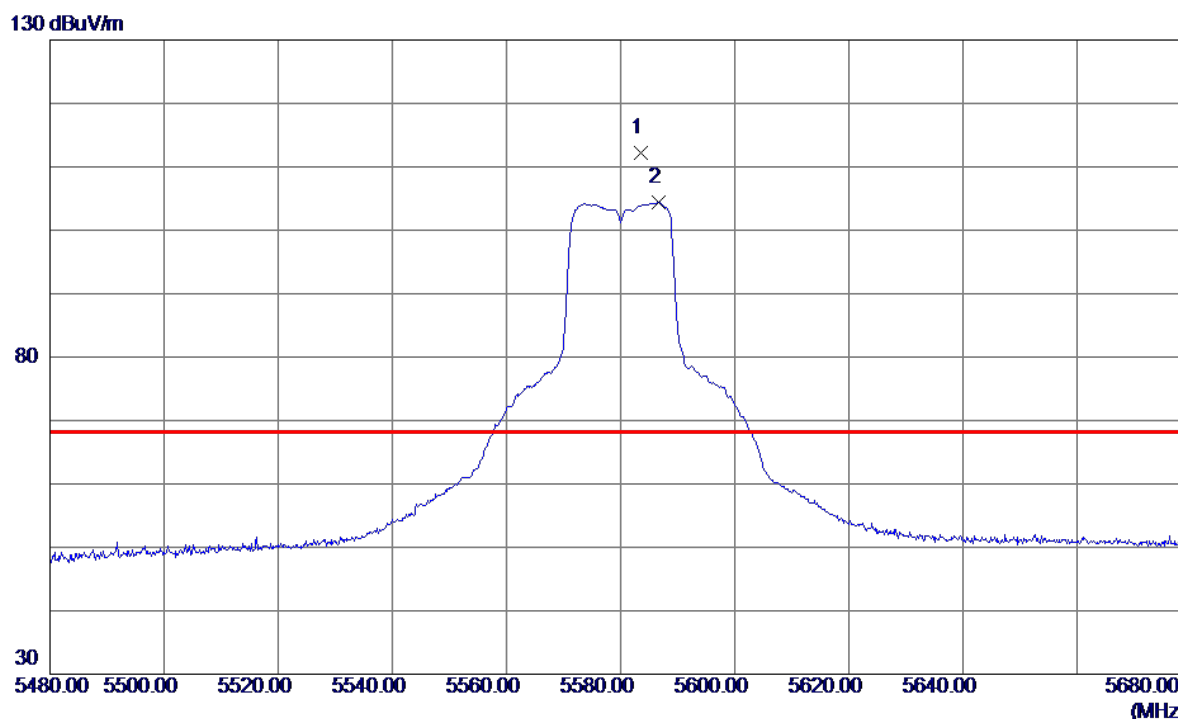
# Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11161.6400	48.07	2.32	50.39	74.00	-23.61	Peak	
2 *	11162.4000	37.64	2.32	39.96	54.00	-14.04	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5580 MHz

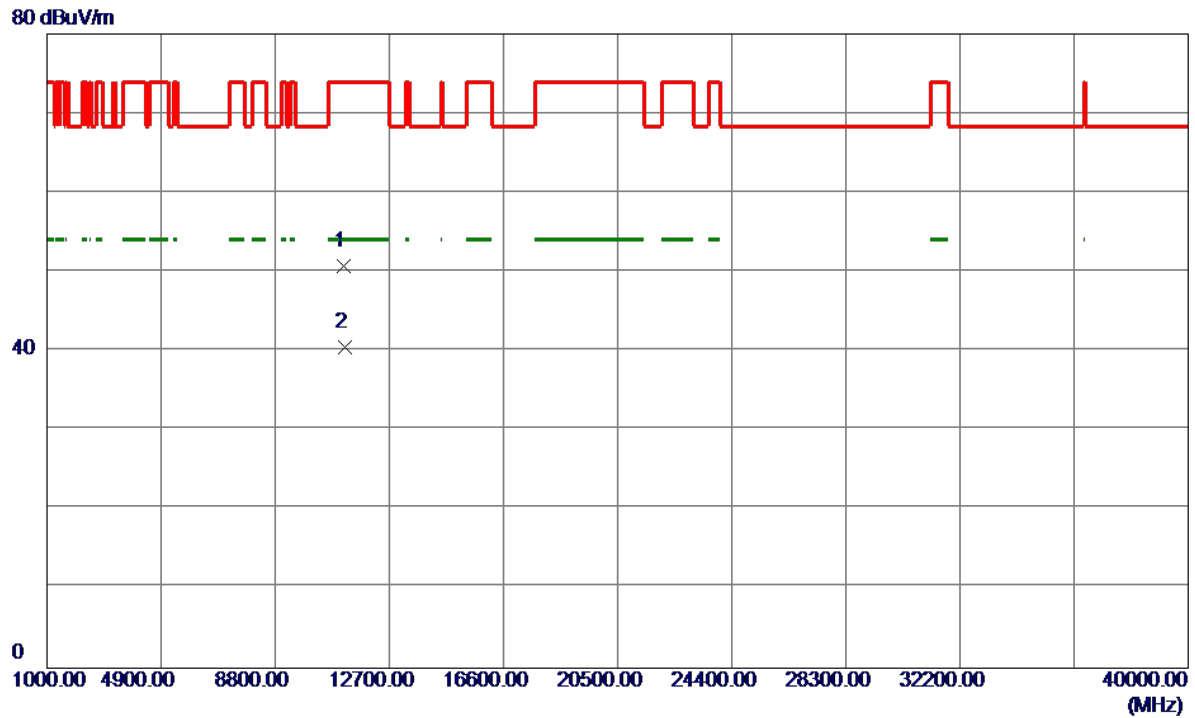
### Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5583.5000	71.97	40.21	112.18	68.30	43.88	Peak	No Limit
2	5586.7000	64.13	40.21	104.34	999.00	-894.66	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5580 MHz

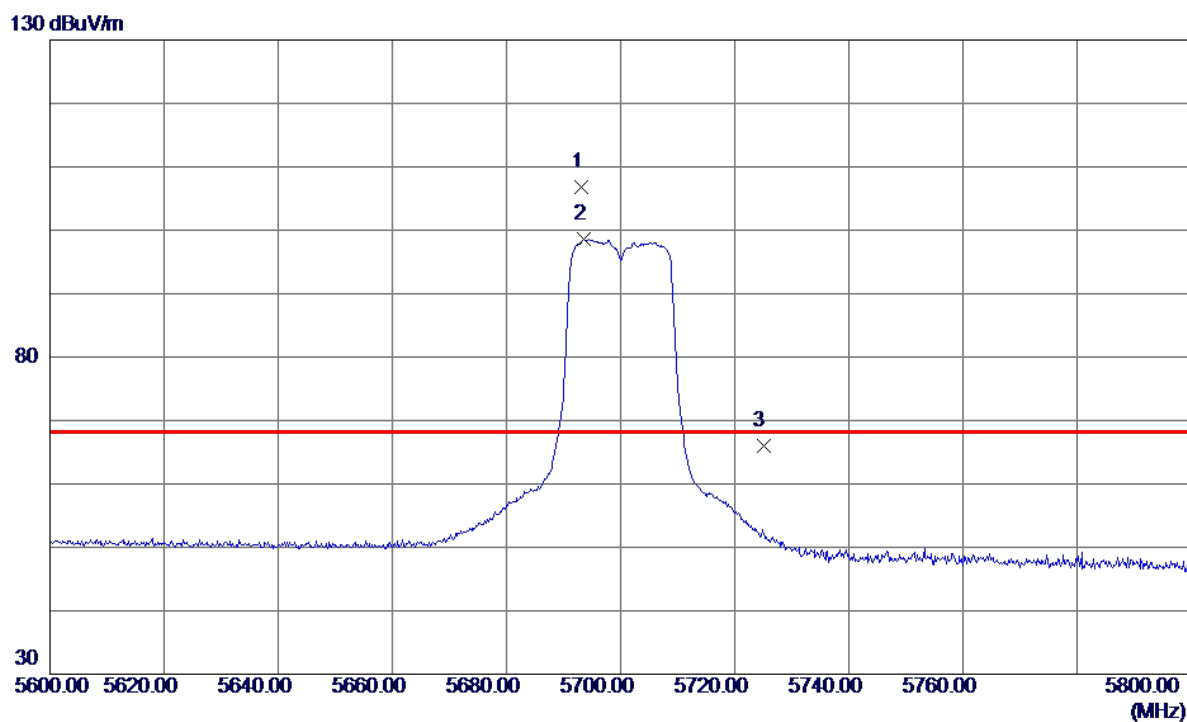
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11159.9800	48.37	2.32	50.69	74.00	-23.31	Peak	
2 *	11162.1400	38.23	2.32	40.55	54.00	-13.45	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5700 MHz

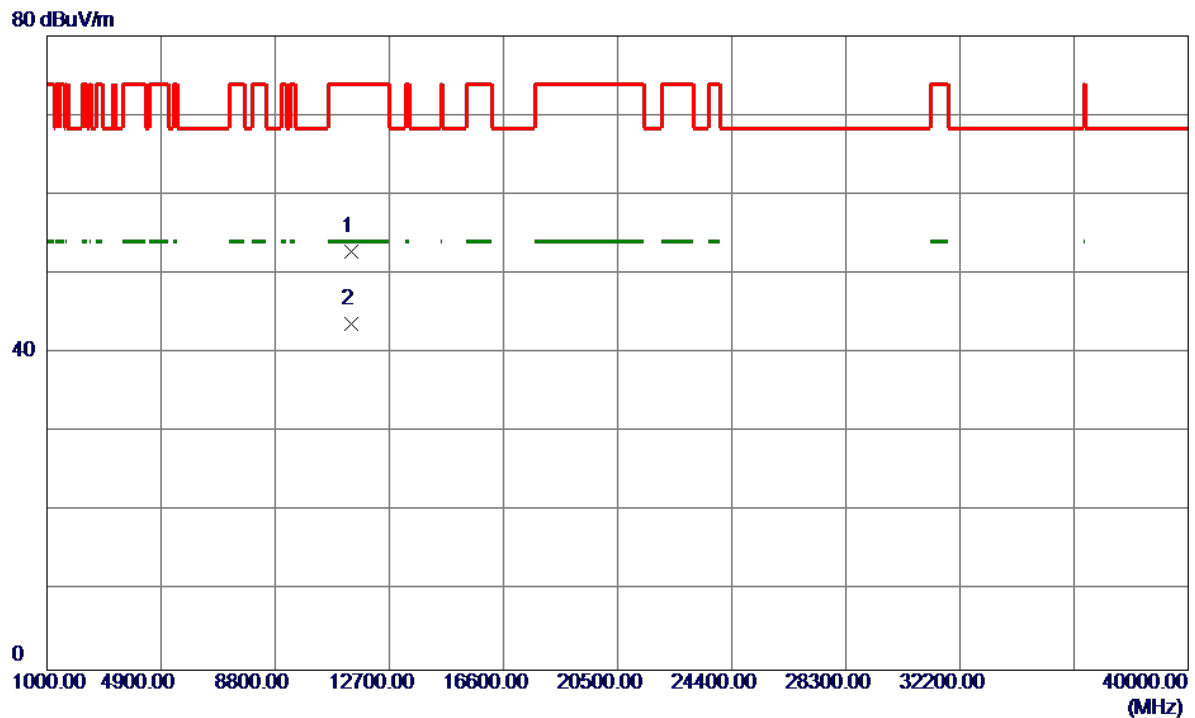
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5693.2100	66.51	40.31	106.82	68.30	38.52	Peak	No Limit
2	5693.5000	58.23	40.31	98.54	999.00	-900.46	AVG	No Limit
3	5725.0000	25.71	40.33	66.04	68.30	-2.26	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5700 MHz

### Vertical

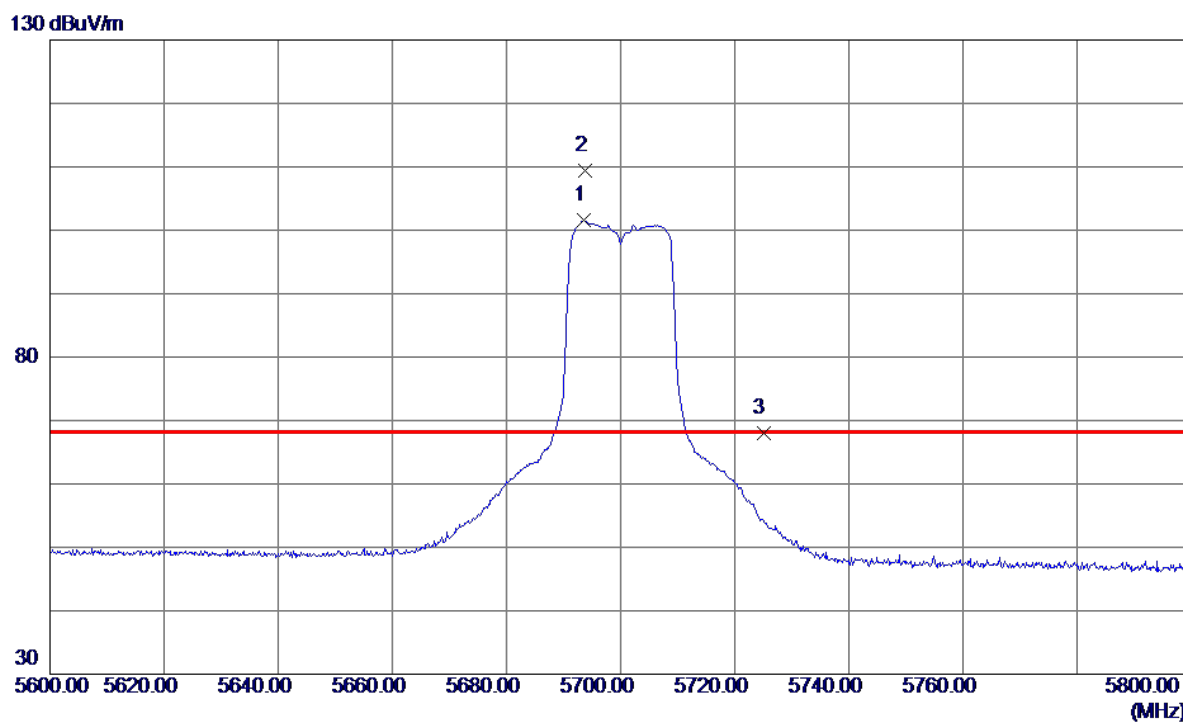


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11401.9500	50.72	2.08	52.80	74.00	-21.20	Peak	
2 *	11402.0500	41.60	2.08	43.68	54.00	-10.32	AVG	



Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5700 MHz

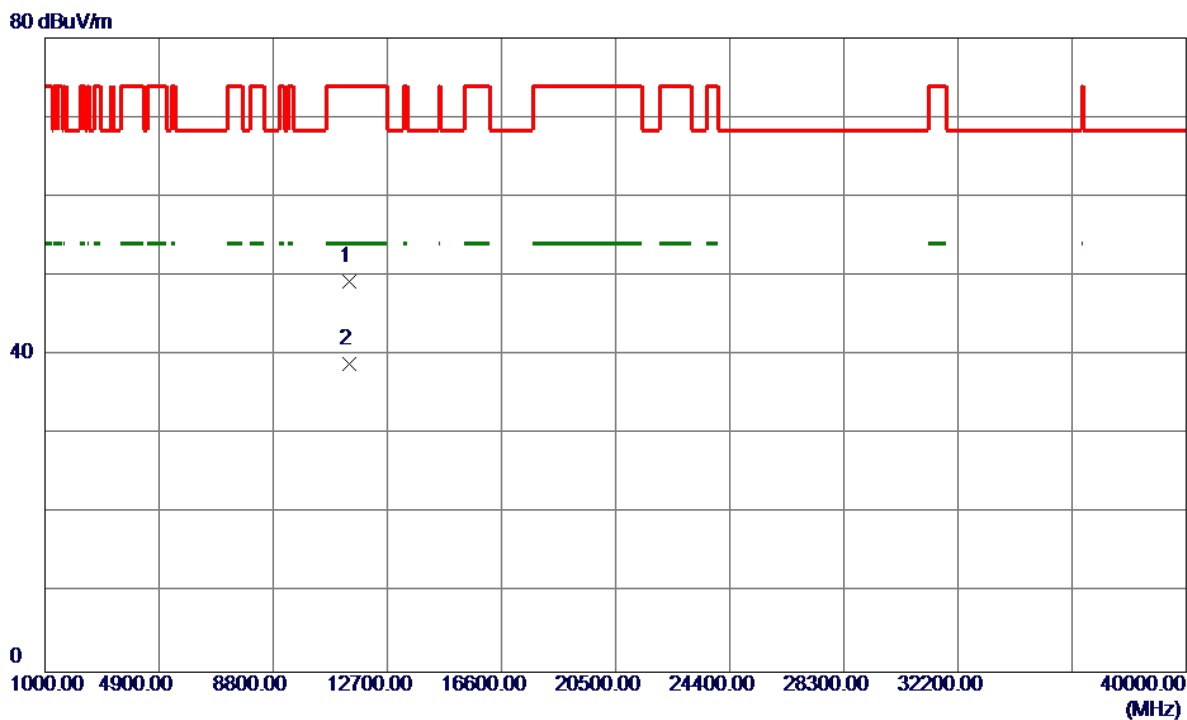
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5693.5000	61.37	40.31	101.68	999.00	-897.32	AVG	No Limit
2 *	5693.8500	69.17	40.31	109.48	68.30	41.18	Peak	No Limit
3	5725.0000	27.65	40.33	67.98	68.30	-0.32	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5700 MHz

### Horizontal

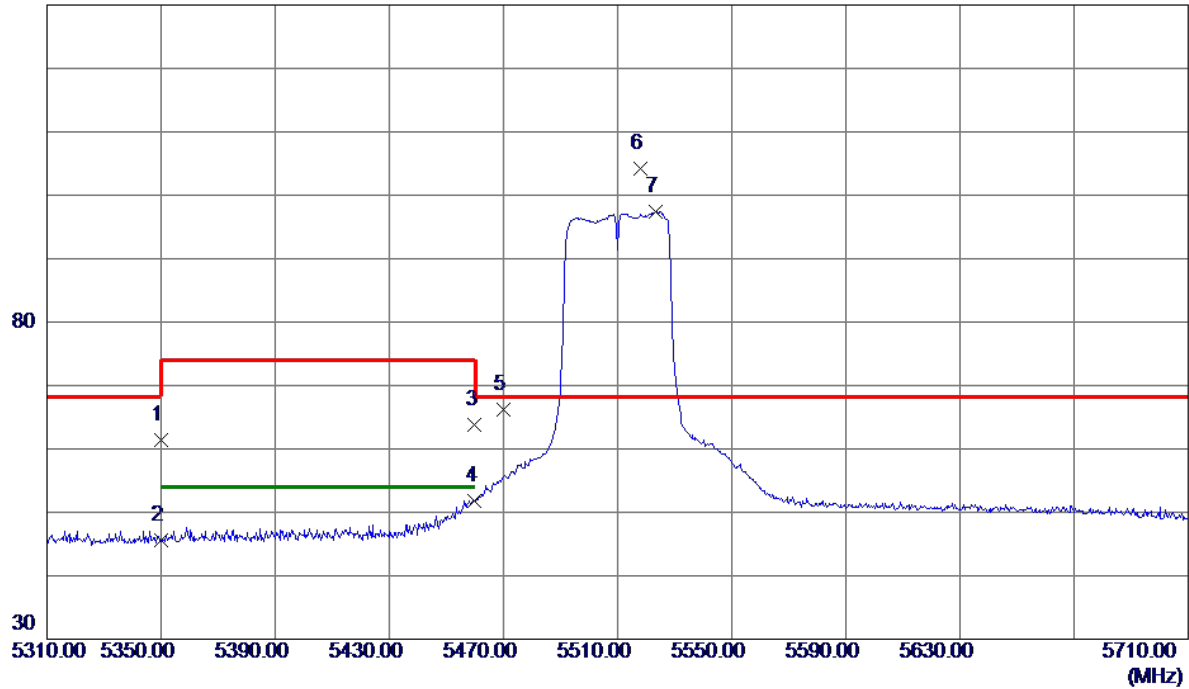


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11406.3800	47.13	2.08	49.21	74.00	-24.79	Peak	
2 *	11407.0500	36.79	2.08	38.87	54.00	-15.13	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5510MHz

Vertical

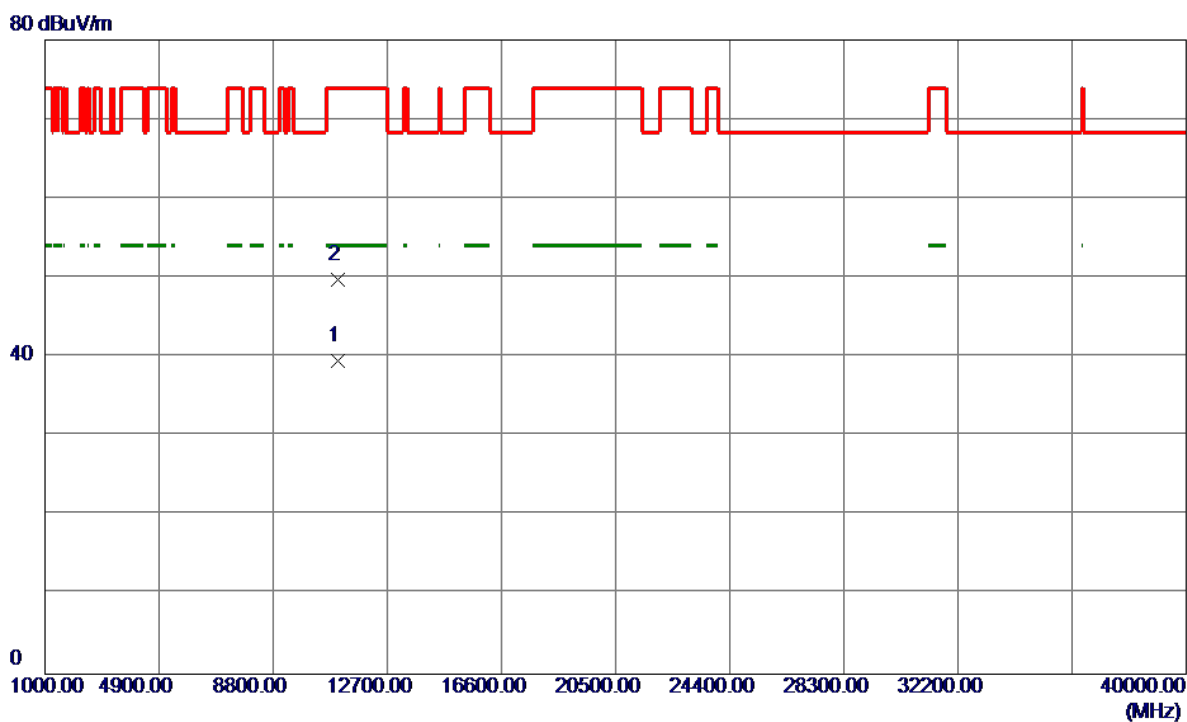
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	21.73	39.65	61.38	74.00	-12.62	Peak	
2	5350.0000	6.03	39.65	45.68	999.00	-953.32	AVG	
3	5460.0000	23.84	40.01	63.85	74.00	-10.15	Peak	
4	5460.0000	11.80	40.01	51.81	54.00	-2.19	AVG	
5	5470.0000	26.21	40.04	66.25	68.30	-2.05	Peak	
6 *	5518.0000	63.95	40.16	104.11	68.30	35.81	Peak	No Limit
7	5523.4000	57.24	40.16	97.40	999.00	-901.60	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5510MHz

### Vertical

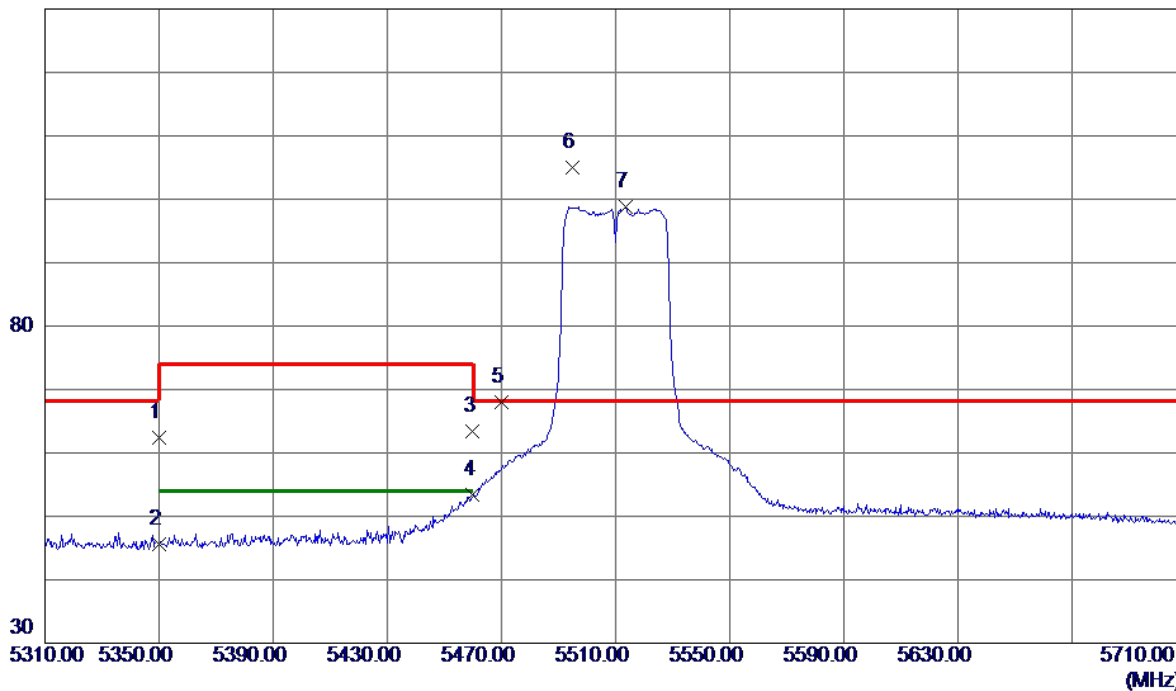


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11017.7600	37.05	2.46	39.51	54.00	-14.49	AVG	
2	11019.8400	47.35	2.46	49.81	74.00	-24.19	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5510MHz

### Horizontal

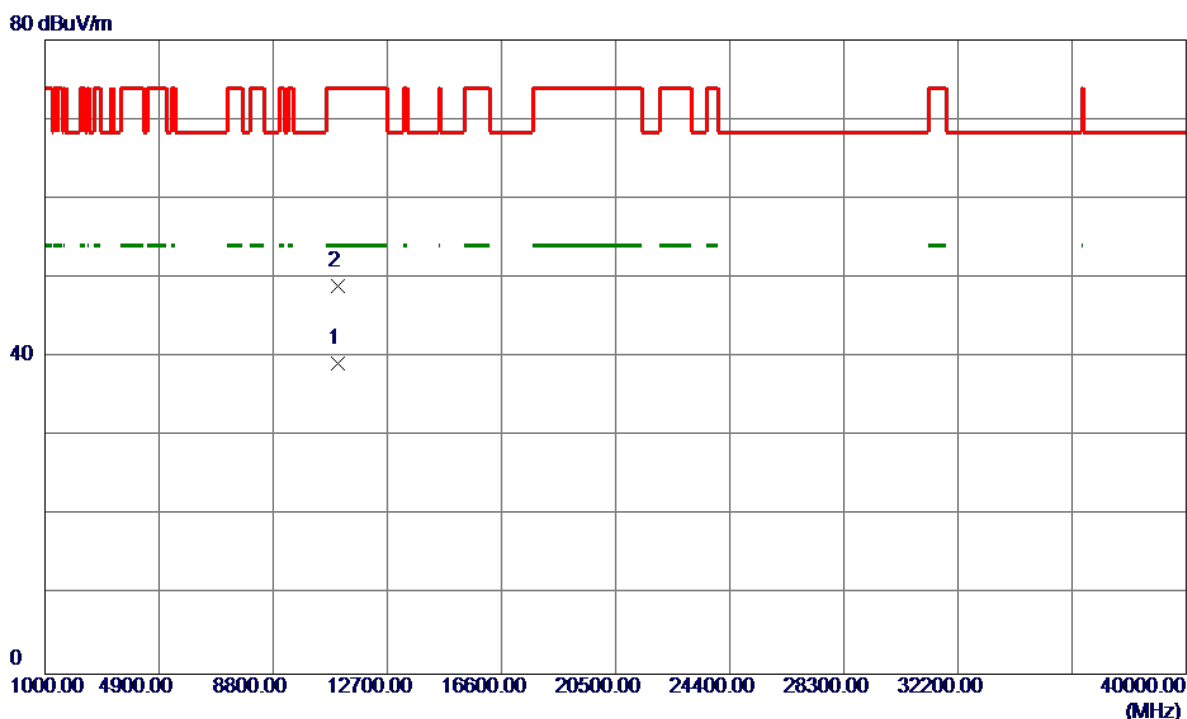
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	22.69	39.65	62.34	74.00	-11.66	Peak	
2	5350.0000	5.90	39.65	45.55	999.00	-953.45	AVG	
3	5460.0000	23.34	40.01	63.35	74.00	-10.65	Peak	
4	5460.0000	13.35	40.01	53.36	54.00	-0.64	AVG	
5	5470.0000	27.94	40.04	67.98	68.30	-0.32	Peak	
6 *	5495.0000	64.82	40.12	104.94	68.30	36.64	Peak	No Limit
7	5513.4000	58.69	40.15	98.84	999.00	-900.16	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5510MHz

# Horizontal

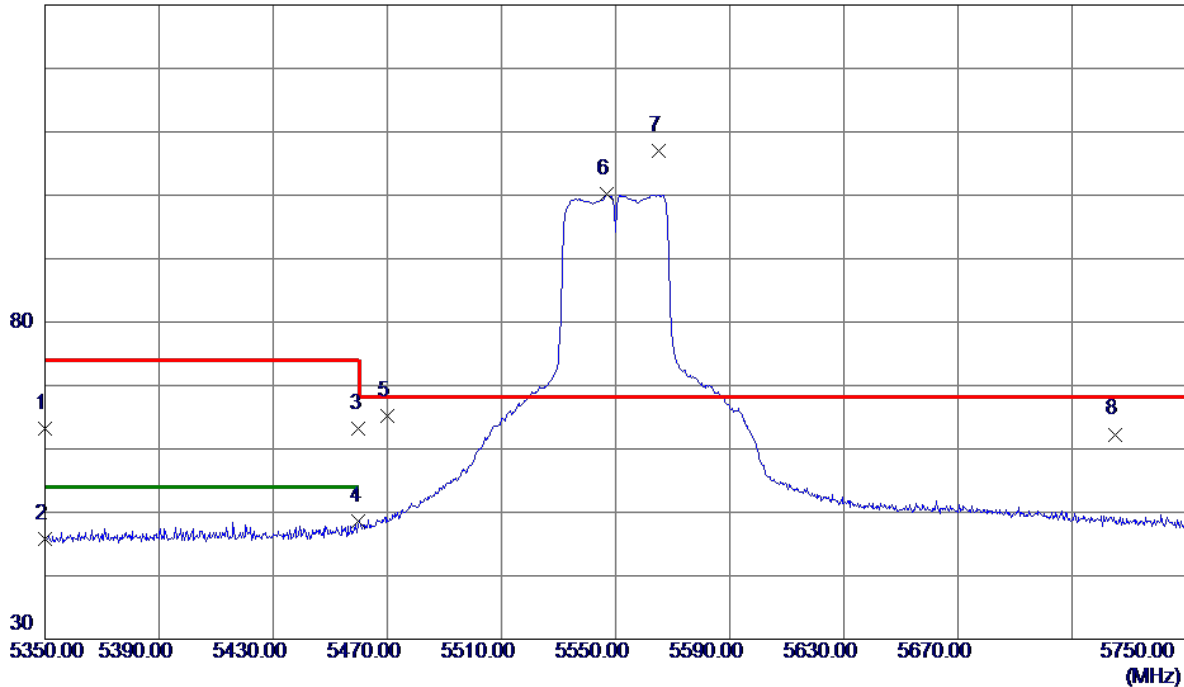


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11019.5199	36.67	2.46	39.13	54.00	-14.87	AVG	
2	11019.6800	46.55	2.46	49.01	74.00	-24.99	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5550MHz

### Vertical

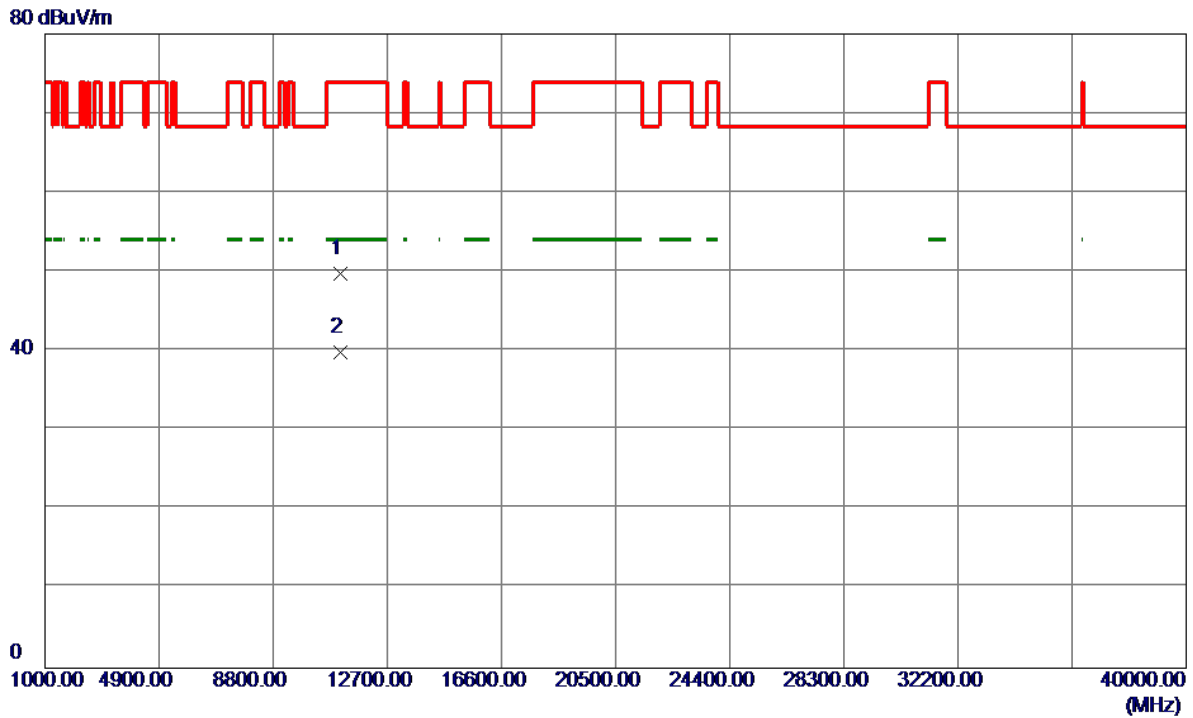
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	23.50	39.65	63.15	74.00	-10.85	Peak	
2	5350.0000	6.11	39.65	45.76	999.00	-953.24	AVG	
3	5460.0000	23.23	40.01	63.24	74.00	-10.76	Peak	
4	5460.0000	8.66	40.01	48.67	54.00	-5.33	AVG	
5	5470.0000	25.18	40.04	65.22	68.30	-3.08	Peak	
6	5547.0000	59.96	40.18	100.14	999.00	-898.86	AVG	No Limit
7 *	5565.2000	66.87	40.20	107.07	68.30	38.77	Peak	No Limit
8	5725.0000	21.97	40.33	62.30	68.30	-6.00	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5550MHz

### Vertical



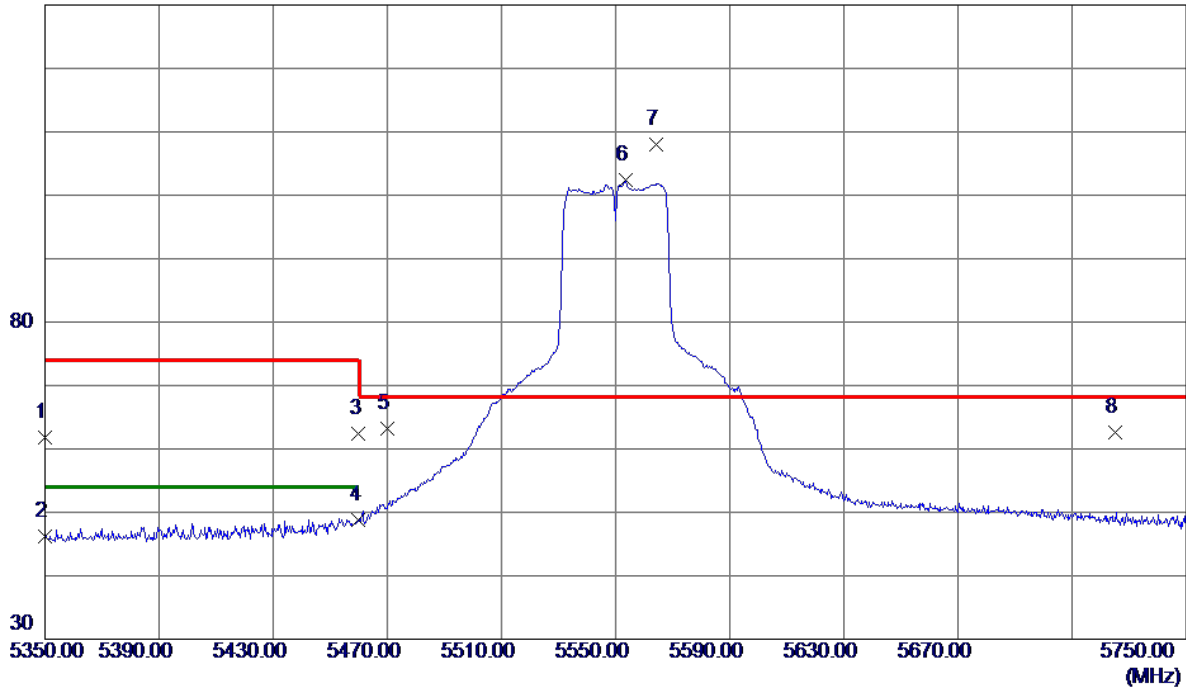
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11098.0599	47.42	2.38	49.80	74.00	-24.20	Peak	
2 *	11099.5599	37.41	2.38	39.79	54.00	-14.21	AVG	



Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5550MHz

### Horizontal

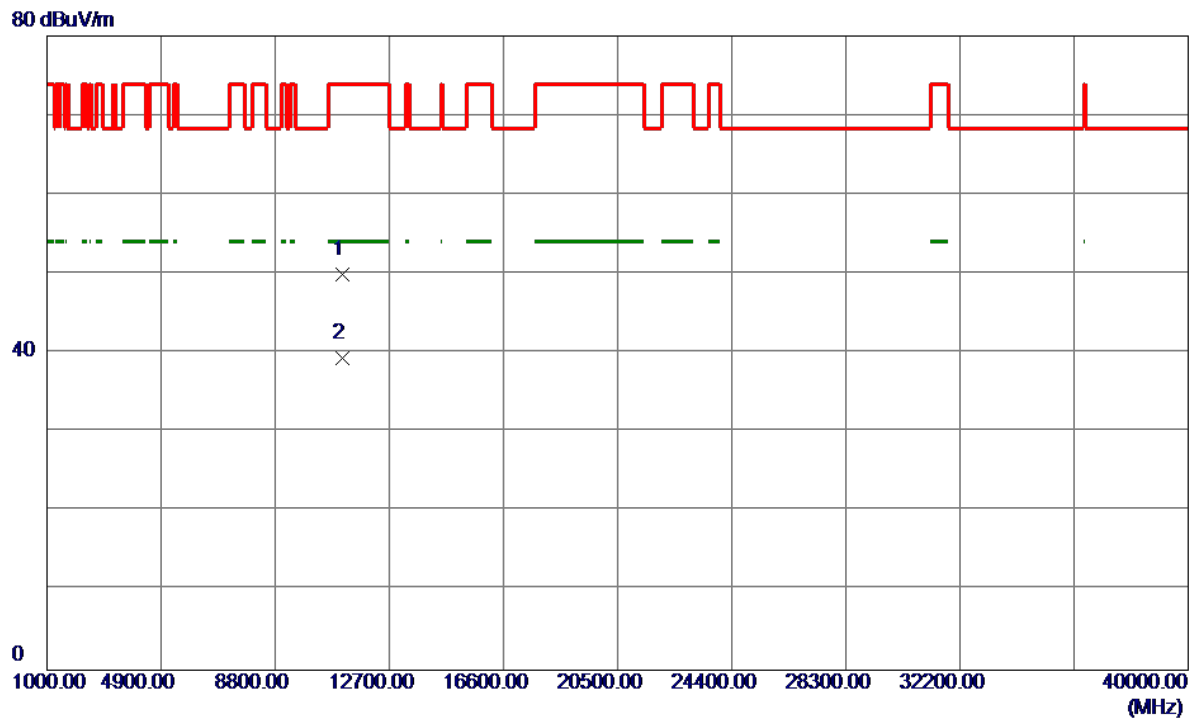
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	22.07	39.65	61.72	74.00	-12.28	Peak	
2	5350.0000	6.51	39.65	46.16	999.00	-952.84	AVG	
3	5460.0000	22.31	40.01	62.32	74.00	-11.68	Peak	
4	5460.0000	8.87	40.01	48.88	54.00	-5.12	AVG	
5	5470.0000	23.18	40.04	63.22	68.30	-5.08	Peak	
6	5553.6000	62.22	40.19	102.41	999.00	-896.59	AVG	No Limit
7 *	5564.2000	67.90	40.20	108.10	68.30	39.80	Peak	No Limit
8	5725.0000	22.35	40.33	62.68	68.30	-5.62	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5550MHz

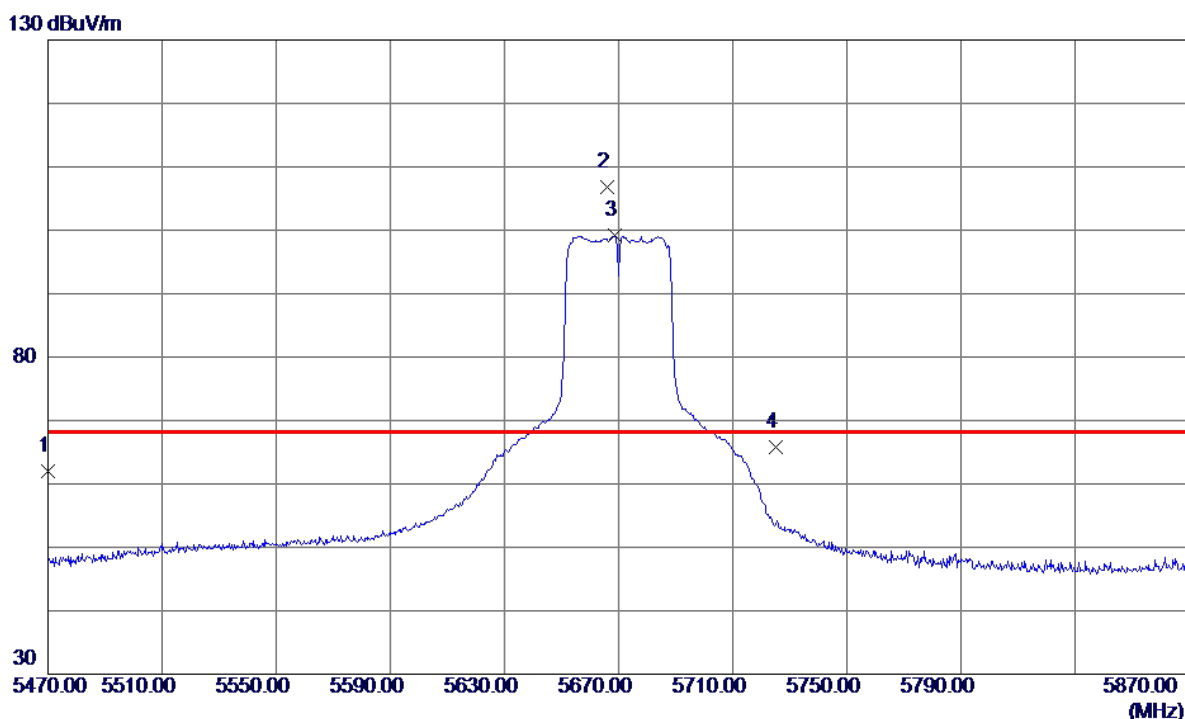
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11097.8800	47.48	2.38	49.86	74.00	-24.14	Peak	
2 *	11098.2000	36.97	2.38	39.35	54.00	-14.65	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5670MHz

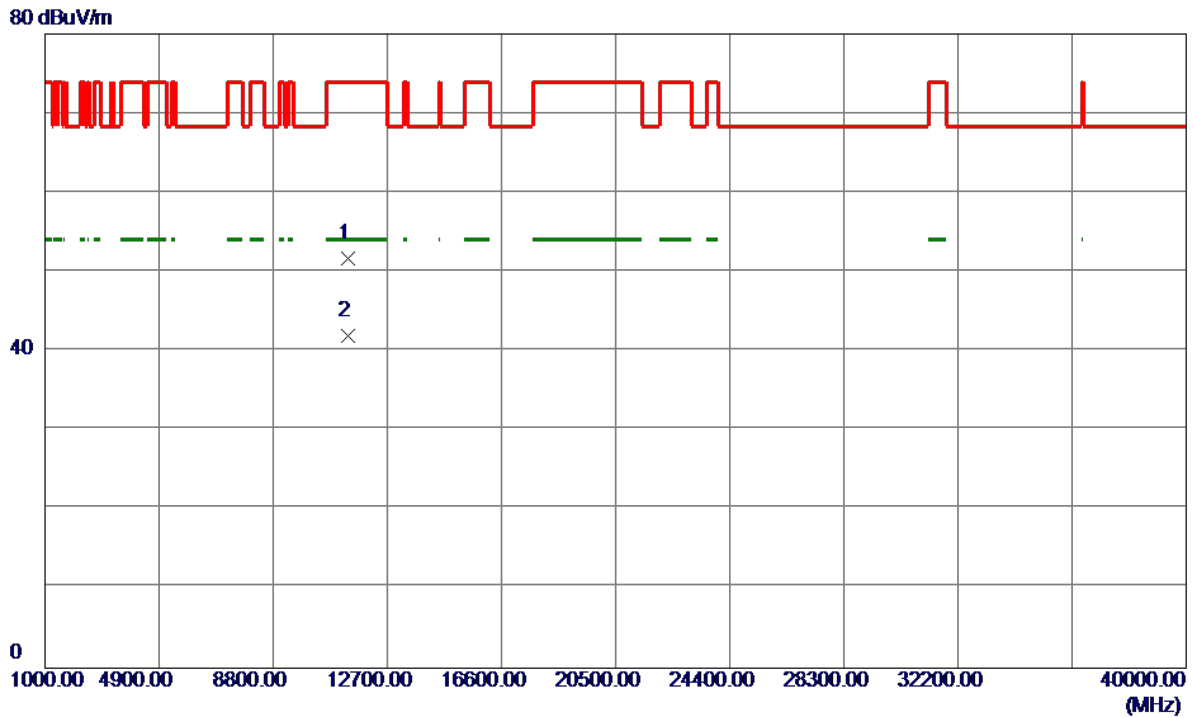
# Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5470.0000	21.95	40.04	61.99	68.30	-6.31	Peak	
2 *	5665.8000	66.57	40.28	106.85	68.30	38.55	Peak	No Limit
3	5668.6000	58.90	40.28	99.18	999.00	-899.82	AVG	No Limit
4	5725.0000	25.54	40.33	65.87	68.30	-2.43	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5670MHz

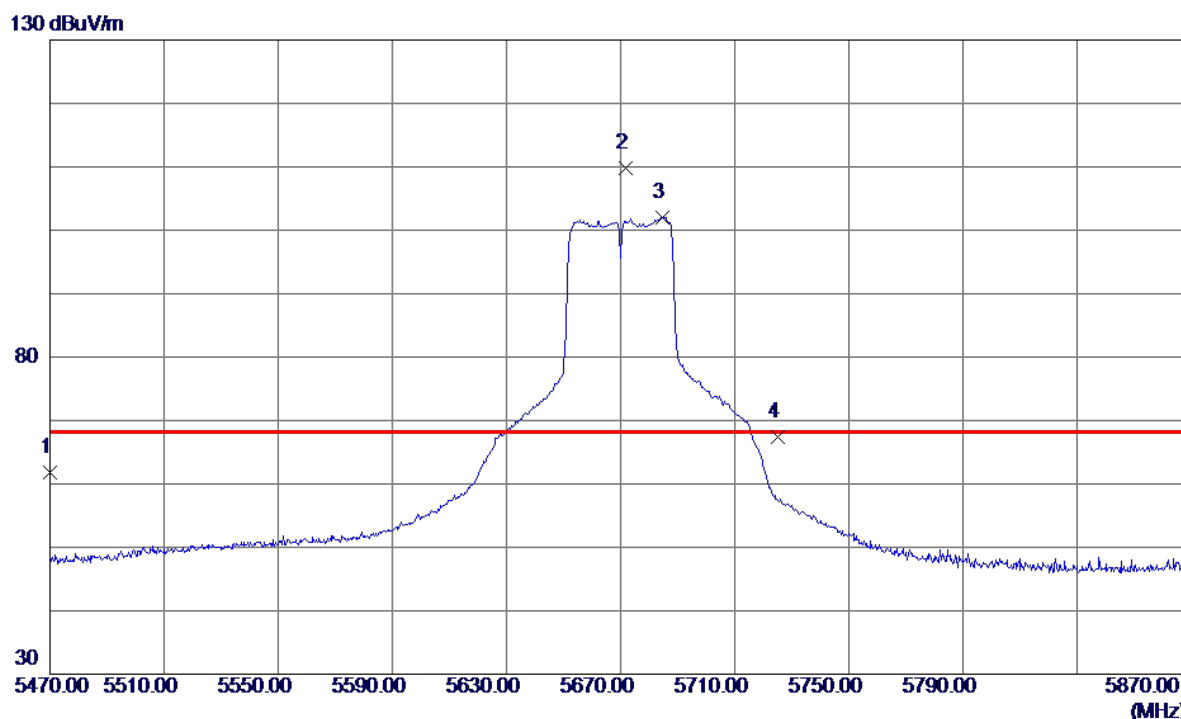
### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11341.5400	49.47	2.14	51.61	74.00	-22.39	Peak	
2 *	11340.3200	39.81	2.14	41.95	54.00	-12.05	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5670MHz

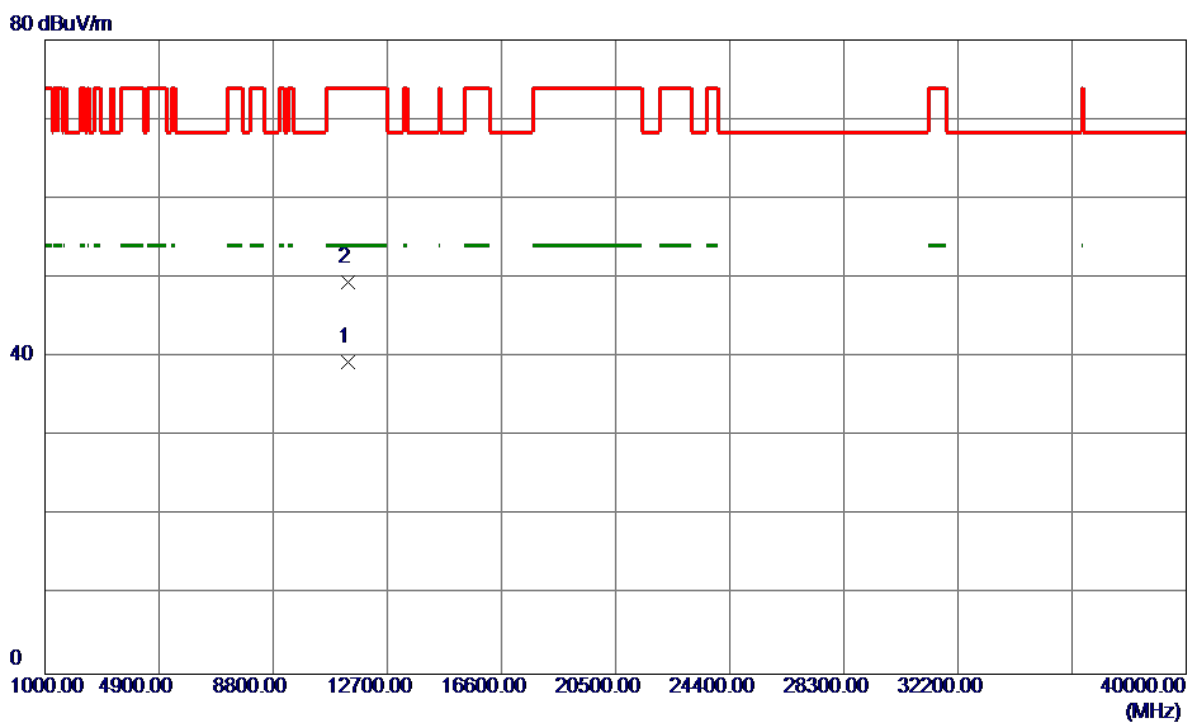
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5470.0000	21.84	40.04	61.88	68.30	-6.42	Peak	
2 *	5671.8000	69.45	40.29	109.74	68.30	41.44	Peak	No Limit
3	5684.6000	61.75	40.30	102.05	999.00	-896.95	AVG	No Limit
4	5725.0000	27.07	40.33	67.40	68.30	-0.90	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5670MHz

### Horizontal

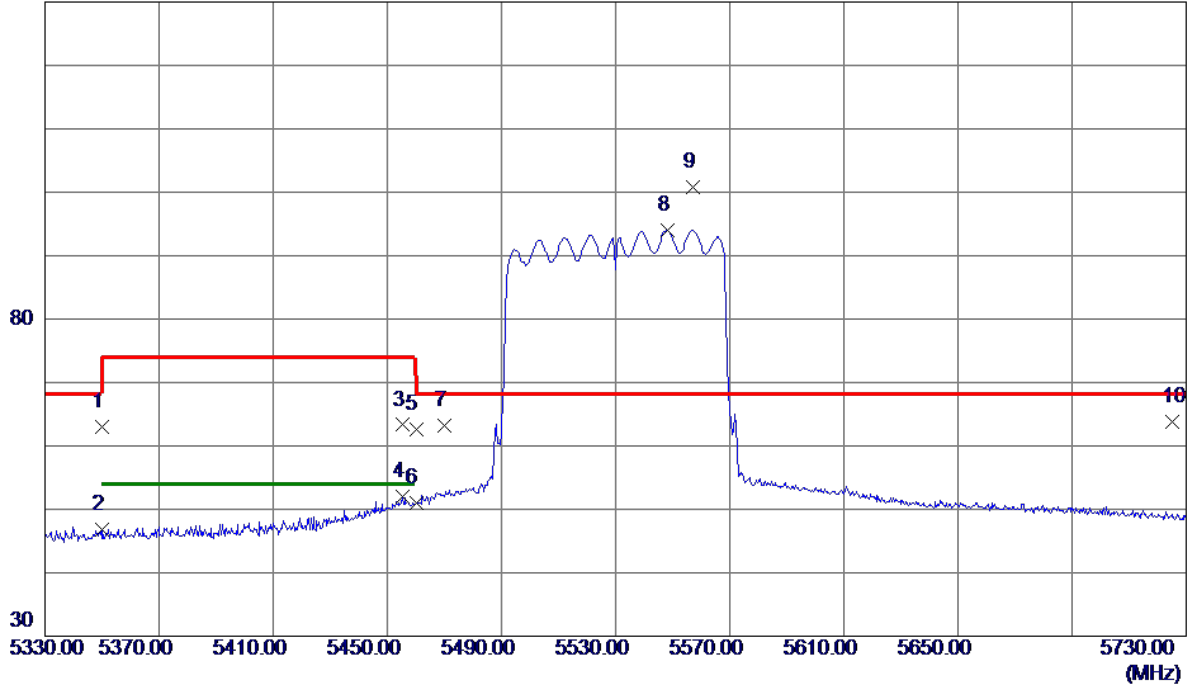


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11339.1600	37.18	2.14	39.32	54.00	-14.68	AVG	
2	11342.1600	47.36	2.14	49.50	74.00	-24.50	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5530MHz

### Vertical

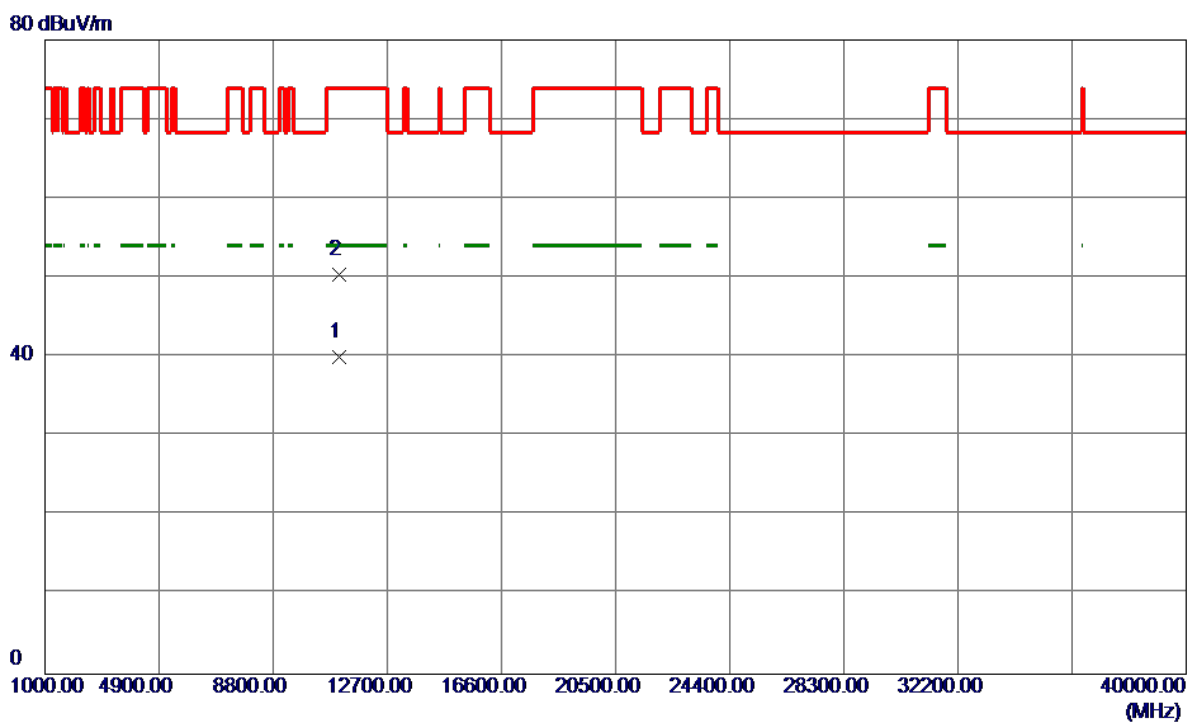
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	23.35	39.65	63.00	74.00	-11.00	Peak	
2	5350.0000	7.10	39.65	46.75	999.00	-952.25	AVG	
3	5455.4000	23.31	39.99	63.30	74.00	-10.70	Peak	
4	5455.4000	12.09	39.99	52.08	54.00	-1.92	AVG	
5	5460.0000	22.60	40.01	62.61	74.00	-11.39	Peak	
6	5460.0000	10.96	40.01	50.97	54.00	-3.03	AVG	
7	5470.0000	23.21	40.04	63.25	68.30	-5.05	Peak	
8	5548.2000	53.85	40.18	94.03	999.00	-904.97	AVG	No Limit
9 *	5557.2000	60.60	40.19	100.79	68.30	32.49	Peak	No Limit
10	5725.0000	23.49	40.33	63.82	68.30	-4.48	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5530MHz

### Vertical



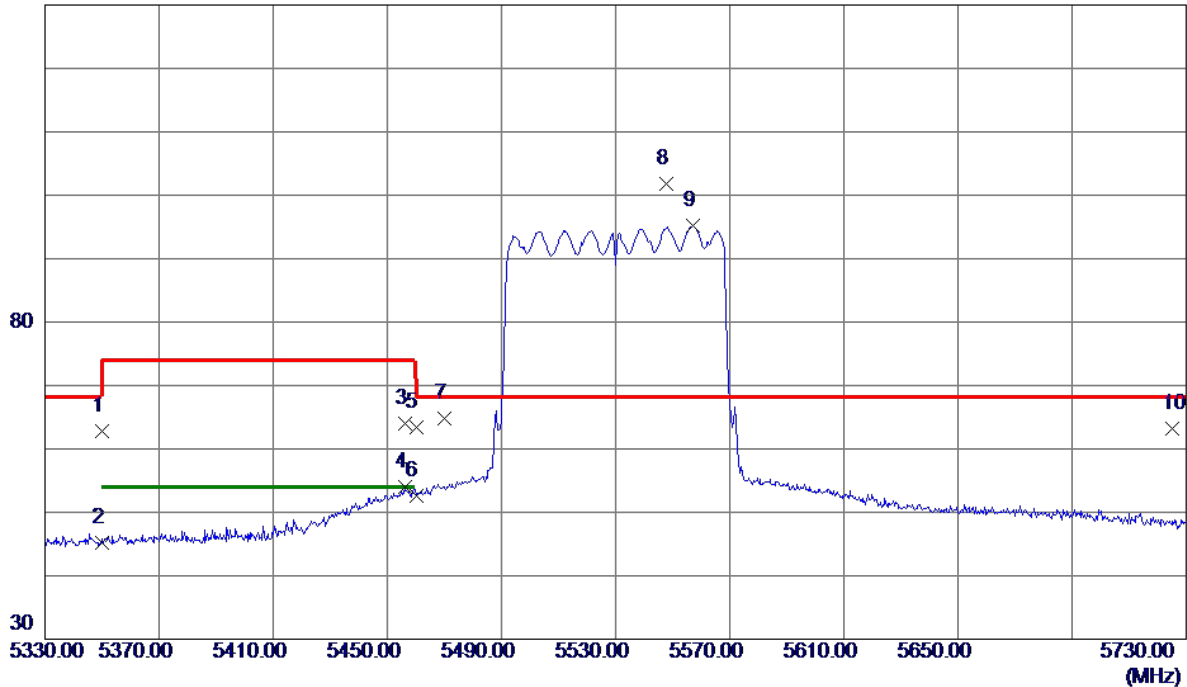
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11069.3500	37.56	2.41	39.97	54.00	-14.03	AVG	
2	11061.6500	47.93	2.42	50.35	74.00	-23.65	Peak	



Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5530MHz

### Horizontal

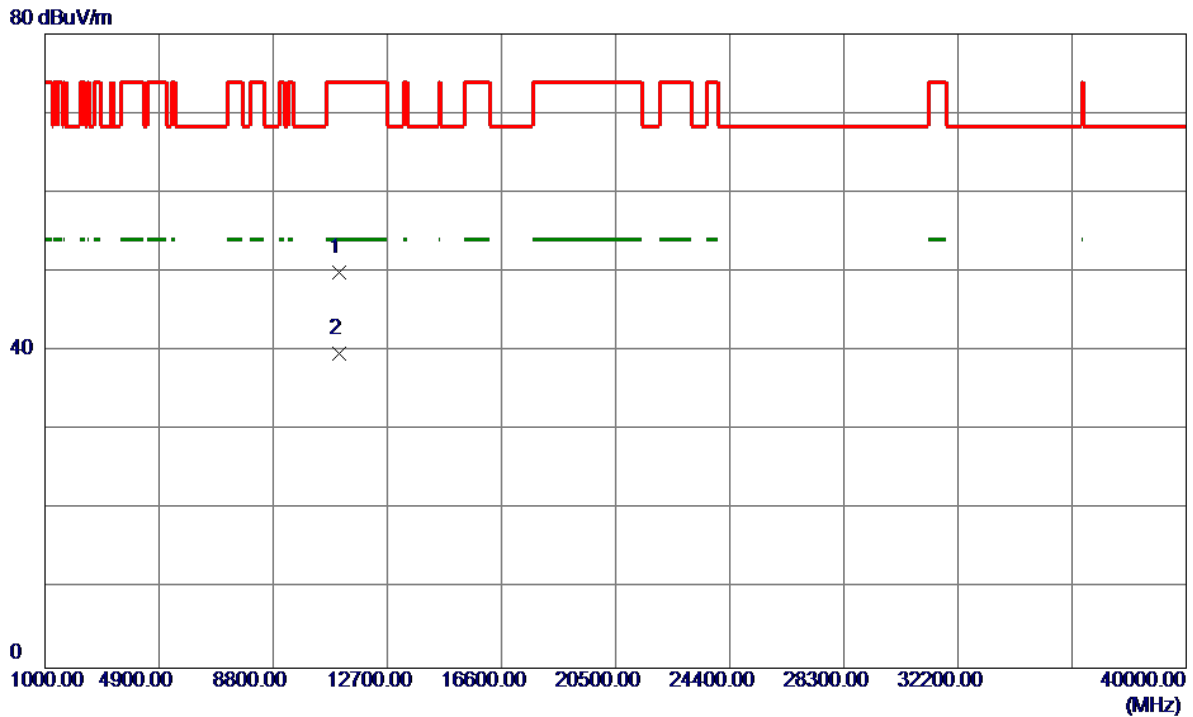
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.0000	23.06	39.65	62.71	74.00	-11.29	Peak	
2	5350.0000	5.57	39.65	45.22	999.00	-953.78	AVG	
3	5456.2000	24.06	40.00	64.06	74.00	-9.94	Peak	
4	5456.2000	13.97	40.00	53.97	54.00	-0.03	AVG	
5	5460.0000	23.37	40.01	63.38	74.00	-10.62	Peak	
6	5460.0000	12.65	40.01	52.66	54.00	-1.34	AVG	
7	5470.0000	24.78	40.04	64.82	68.30	-3.48	Peak	
8 *	5547.6000	61.60	40.18	101.78	68.30	33.48	Peak	No Limit
9	5557.0000	54.93	40.19	95.12	999.00	-903.88	AVG	No Limit
10	5725.0000	22.87	40.33	63.20	68.30	-5.10	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5530MHz

### Horizontal

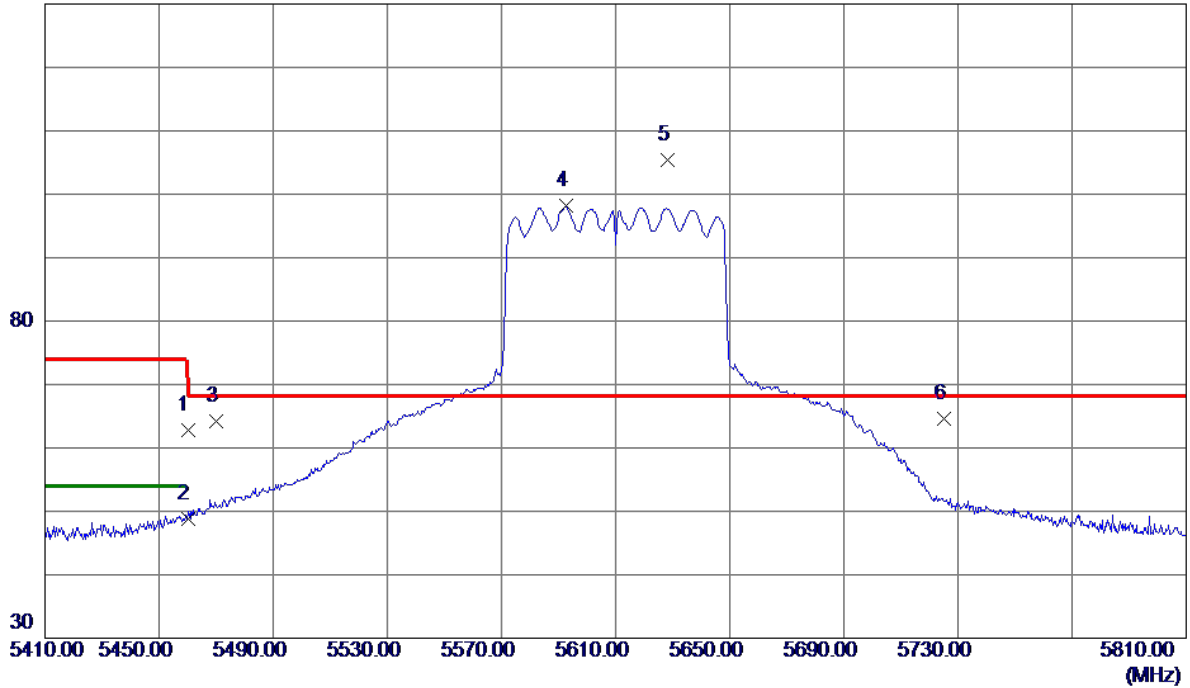


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11059.4000	47.49	2.42	49.91	74.00	-24.09	Peak	
2 *	11061.4500	37.27	2.42	39.69	54.00	-14.31	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5610MHz

### Vertical

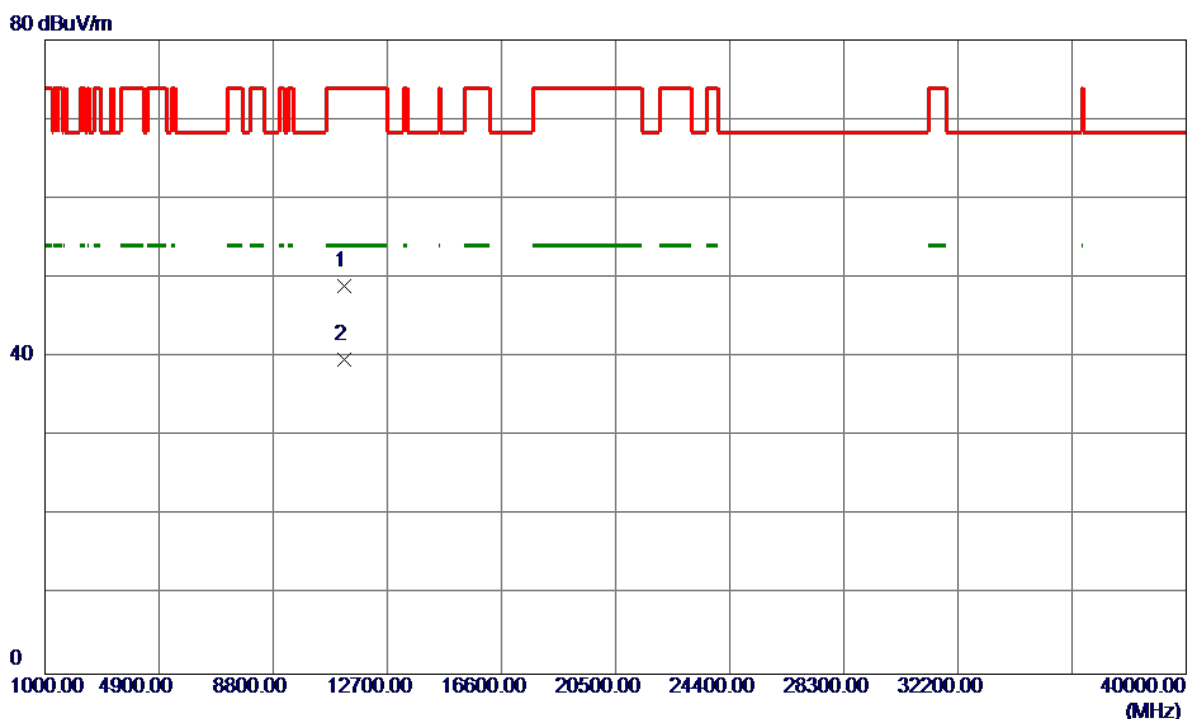
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	22.79	40.01	62.80	74.00	-11.20	Peak	
2	5460.0000	8.84	40.01	48.85	54.00	-5.15	AVG	
3	5470.0000	24.12	40.04	64.16	68.30	-4.14	Peak	
4	5592.6000	57.96	40.22	98.18	999.00	-900.82	AVG	No Limit
5 *	5628.4000	65.24	40.25	105.49	68.30	37.19	Peak	No Limit
6	5725.0000	24.22	40.33	64.55	68.30	-3.75	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5610MHz

# Vertical

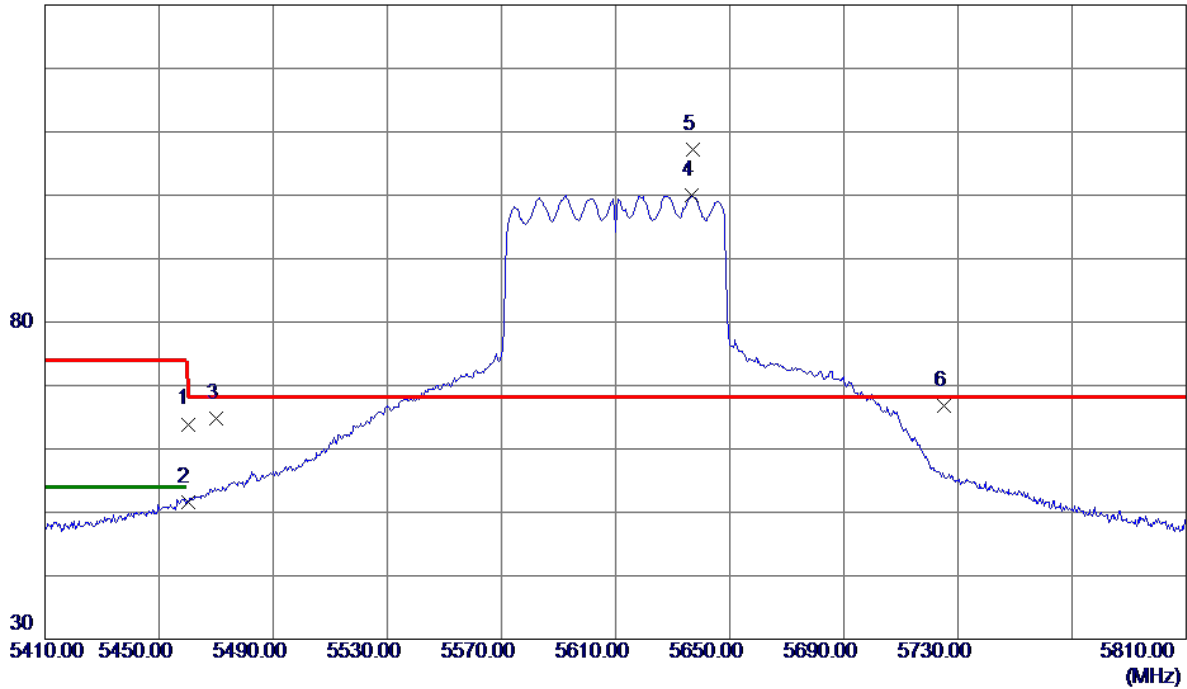


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11220.6000	46.73	2.26	48.99	74.00	-25.01	Peak	
2 *	11219.0500	37.45	2.26	39.71	54.00	-14.29	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5610MHz

### Horizontal

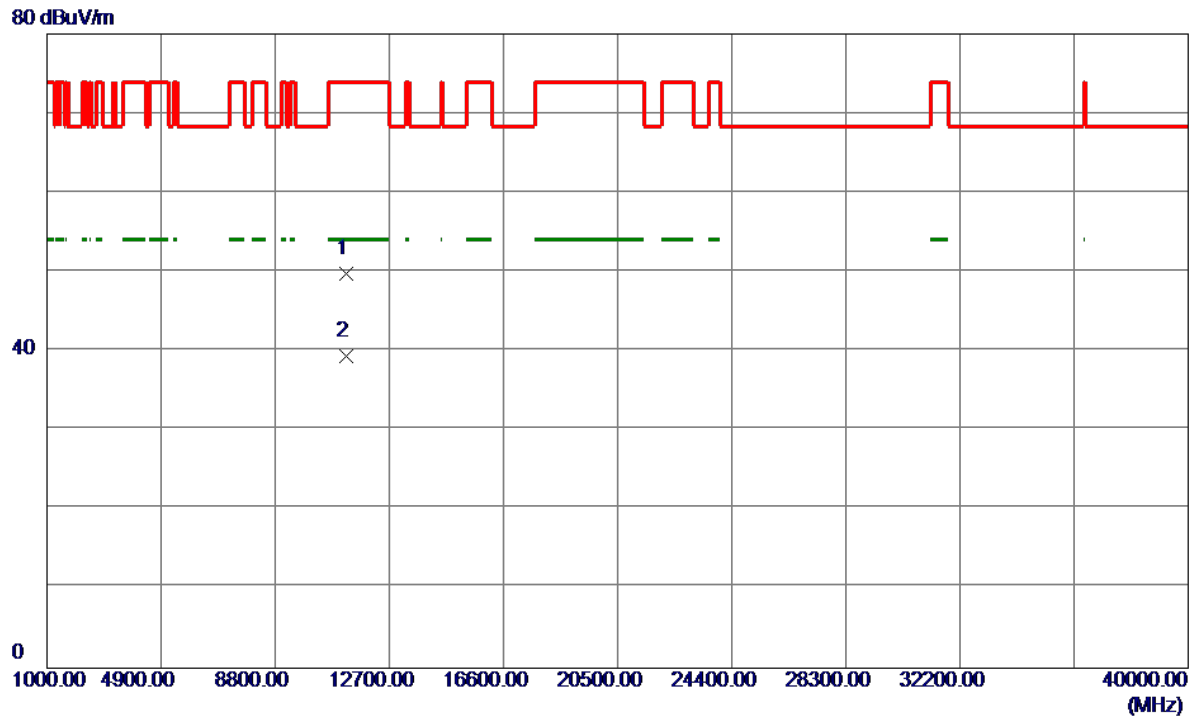
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	23.89	40.01	63.90	74.00	-10.10	Peak	
2	5460.0000	11.67	40.01	51.68	54.00	-2.32	AVG	
3	5470.0000	24.83	40.04	64.87	68.30	-3.43	Peak	
4	5636.8000	59.70	40.26	99.96	999.00	-899.04	AVG	No Limit
5 *	5637.0000	66.87	40.26	107.13	68.30	38.83	Peak	No Limit
6	5725.0000	26.41	40.33	66.74	68.30	-1.56	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5610MHz

### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11219.4500	47.51	2.26	49.77	74.00	-24.23	Peak	
2 *	11221.2500	37.14	2.26	39.40	54.00	-14.60	AVG	



### TX N20 Mode\_DUTY CYCLE

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

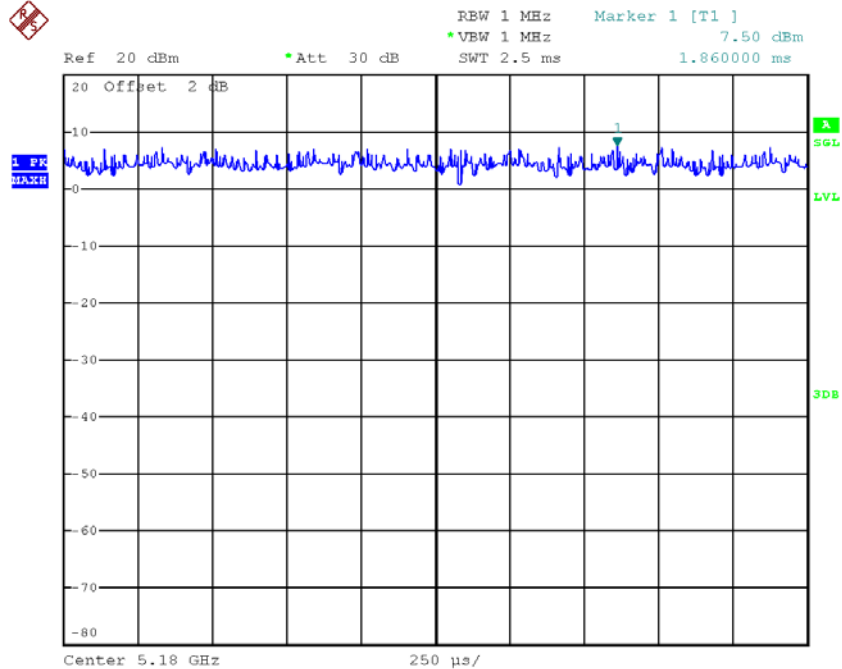
$T_{\text{ON}}$ : 2.500 msec

$T_{\text{Total}}$ : 2.500 msec

Duty cycle: 100%

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

Duty Factor = 0.00



Date: 16.OCT.2018 17:24:59

Note: The duty cycle is  $\geq 98\%$  no need to calculate as Duty Factor.



### TX N40 Mode\_DUTY CYCLE

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

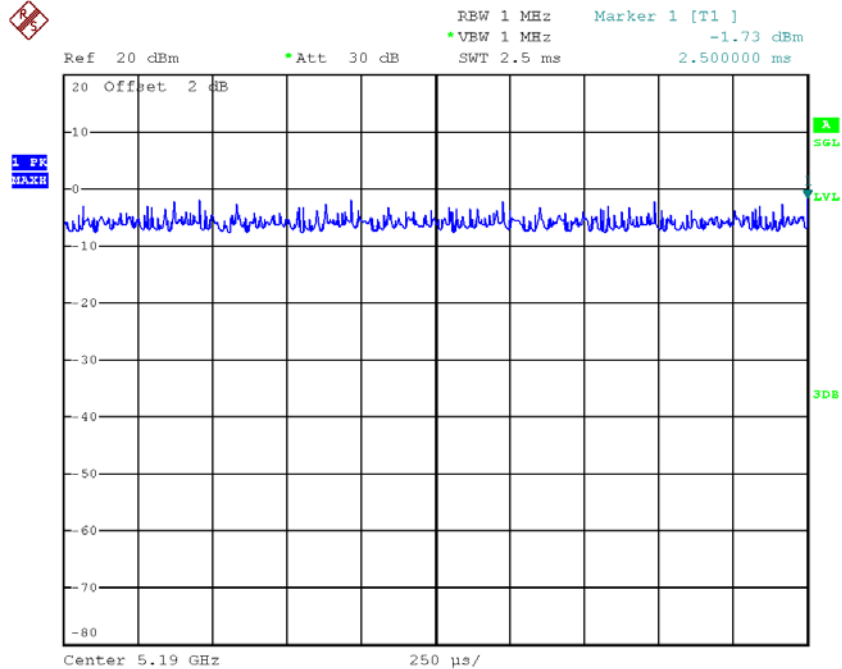
$T_{\text{ON}}$ : 2.500 msec

$T_{\text{Total}}$ : 2.500 msec

Duty cycle: 100%

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

Duty Factor = 0.00



Date: 16.OCT.2018 19:46:01

Note: The duty cycle is  $\geq 98\%$  no need to calculated as Duty Factor.

### TX AC20 Mode\_DUTY CYCLE

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

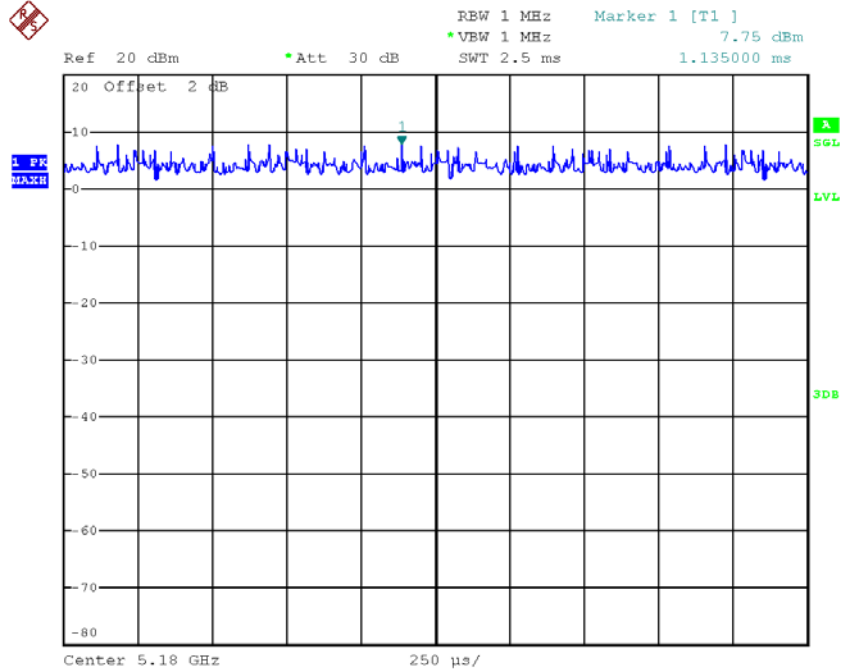
$T_{\text{ON}}$ : 2.500 msec

$T_{\text{Total}}$ : 2.500 msec

Duty cycle: 100%

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

Duty Factor = 0.00



Date: 16.OCT.2018 18:09:15

Note: The duty cycle is  $\geq 98\%$  no need to calculated as Duty Factor.

## TX AC40 Mode\_DUTY CYCLE

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

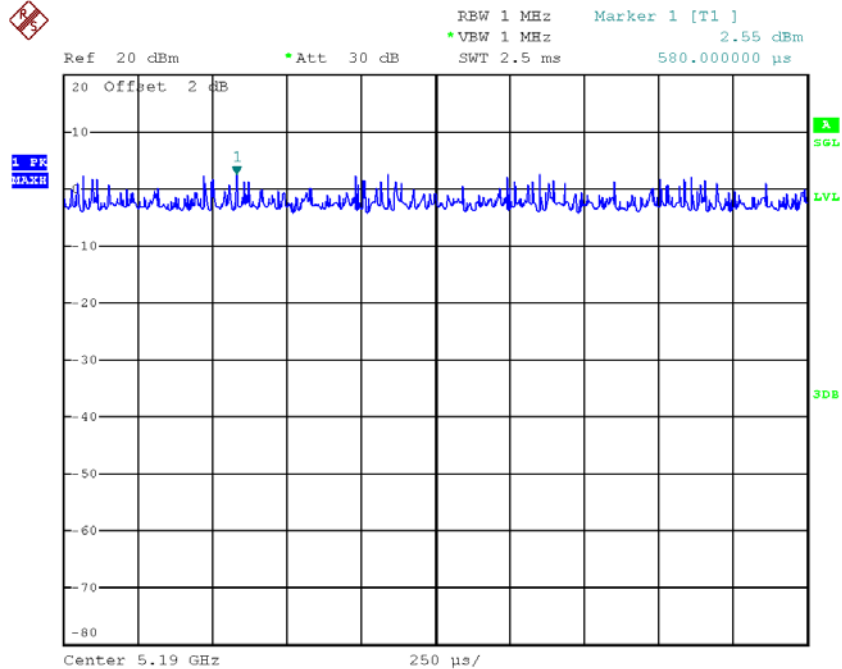
$T_{\text{ON}}$ : 2.500 msec

$T_{\text{Total}}$ : 2.500 msec

Duty cycle: 100%

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

Duty Factor = 0.00



Date: 16.OCT.2018 20:29:15

Note: The duty cycle is  $\geq 98\%$  no need to calculate as Duty Factor.

## TX AC80 Mode\_DUTY CYCLE

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

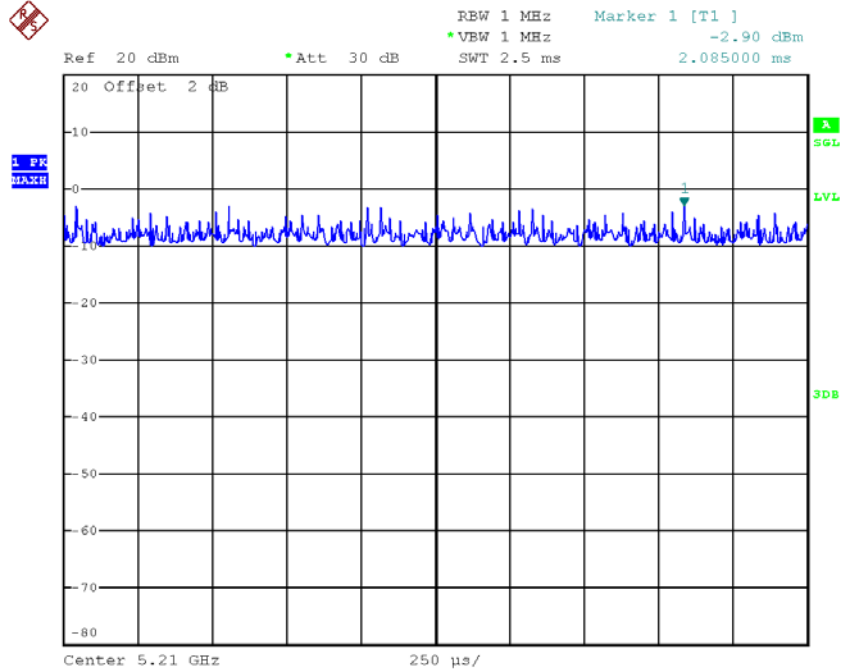
$T_{\text{ON}}$ : 2.500 msec

$T_{\text{Total}}$ : 2.500 msec

Duty cycle: 100%

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

Duty Factor = 0.00



Date: 16.OCT.2018 21:09:44

Note: The duty cycle is  $\geq 98\%$  no need to calculate as Duty Factor.

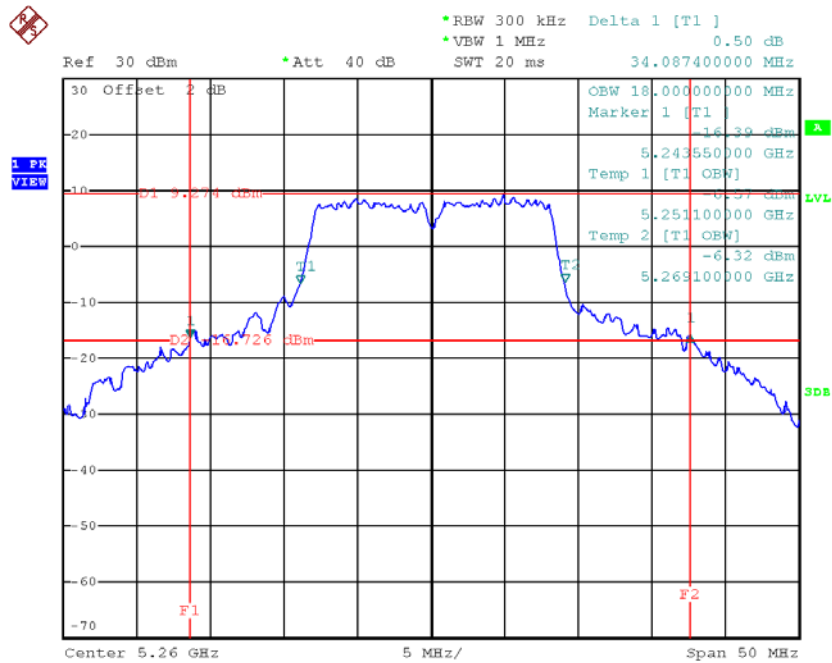
## APPENDIX E - BANDWIDTH

## Beamforming

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	34.09	18.00
CH60	5300	33.09	17.50
CH64	5320	20.89	16.80

### TX CH52



Date: 16.OCT.2018 16:21:32