

FCC Radio Test Report

FCC ID: YJYKE2P

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

Project No. : 1710C189
Equipment : AC1300 Dual Band Gigabit Wireless Router
Model Name : KE 2P
Applicant : Phicomm (Shanghai) Co., Lt
Address : No.3666, Sixian Rd., Songjiang District, Shanghai, China

Date of Receipt : Oct. 23, 2017
Date of Test : Oct. 23, 2017 ~ Nov. 10, 2017
Issued Date : Nov. 13, 2017
Tested by : BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1710C189	Original Issue.	Nov. 13, 2017

1. CERTIFICATION

Equipment : AC1300 Dual Band Gigabit Wireless Router
Brand Name : PHICOMM
Model Name : KE 2P
Applicant : Phicomm (Shanghai) Co., Lt
Manufacturer : Phicomm (Shanghai) Co., Ltd.
Address : No.3666, Sixian Rd., Songjiang District, Shanghai, China
Factory : Phicomm Manufacture (Shanghai) Co., Ltd.
Address : NO.1-10,Lane 2100,Songzheng Road, Shi hudang Town, Songjiang, Shanghai
Date of Test : Oct. 23, 2017 ~ Nov. 17, 2017
Test Sample : Engineering Sample
Standard(s) : FCC Part15, Subpart E(15.407) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1710C189) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

(1)" N/A" denotes test is not applicable in this test report.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's test firm number for FCC: 854385

BTL's designation number for FCC: CN5020

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{CISPR} requirement.

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	AC1300 Dual Band Gigabit Wireless Router	
Brand Name	PHICOMM	
Model Name	KE 2P	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	1200 Mbps
Output Power	Output Power (Max.)for UNII-1	802.11a: 23.10dBm 802.11n (20M): 23.57dBm 802.11n (40M): 23.20dBm 802.11ac (20M): 23.82dBm 802.11ac (40M): 22.32dBm 802.11ac (80M): 22.69dBm
	Output Power (Max.)for UNII-3	802.11a: 25.35dBm 802.11n (20M): 26.48dBm 802.11n (40M): 25.41dBm 802.11ac (20M): 25.92dBm 802.11ac (40M): 27.12dBm 802.11ac (80M): 23.85dBm
Power Source	DC Voltage supplied from AC/DC adapter. Model: MSP-C15001C12.0-18F-US	
Power Rating	I/P:100-240V~50/60Hz 0.6A max O/P:12.0V---1.5A	

Note:

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

2. Channel List:

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

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

3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	Dipole	N/A	5	N/A
2	N/A	N/A	Dipole	N/A	5	N/A

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=5.

4.

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

3.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC40 Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC80 Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC40 Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC80 Mode / CH155 (UNII-3)
Mode 13	TX Mode

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

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

For Radiated Test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC40 Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC80 Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC40 Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC80 Mode / CH155 (UNII-3)

Note:

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

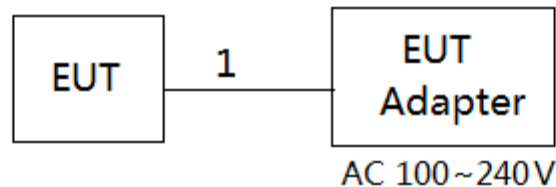
3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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

UNII-1			
Test Software Version	QATool_Dbg		
Frequency (MHz)	5180	5200	5240
A Mode	21	21	21
Frequency (MHz)	5180	5200	5240
N20 Mode	22	23	23
Frequency (MHz)	5190	5230	
N40 Mode	23	23	
Frequency (MHz)	5180	5200	5240
AC20 Mode	24	24	22
Frequency (MHz)	5190	5230	
AC40 Mode	21	21	
Frequency (MHz)	5210		
AC80 Mode	20		

UNII-3			
Test Software Version	QATool_Dbg		
Frequency (MHz)	5745	5785	5825
A Mode	24	26	24
Frequency (MHz)	5745	5785	5825
N20 Mode	27	29	29
Frequency (MHz)	5755	5795	
N40 Mode	24	28	
Frequency (MHz)	5745	5785	5825
AC20 Mode	26	28	26
Frequency (MHz)	5755	5795	
AC40 Mode	21	2C	
Frequency (MHz)	5775		
AC80 Mode	23		

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.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.5M	DC Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

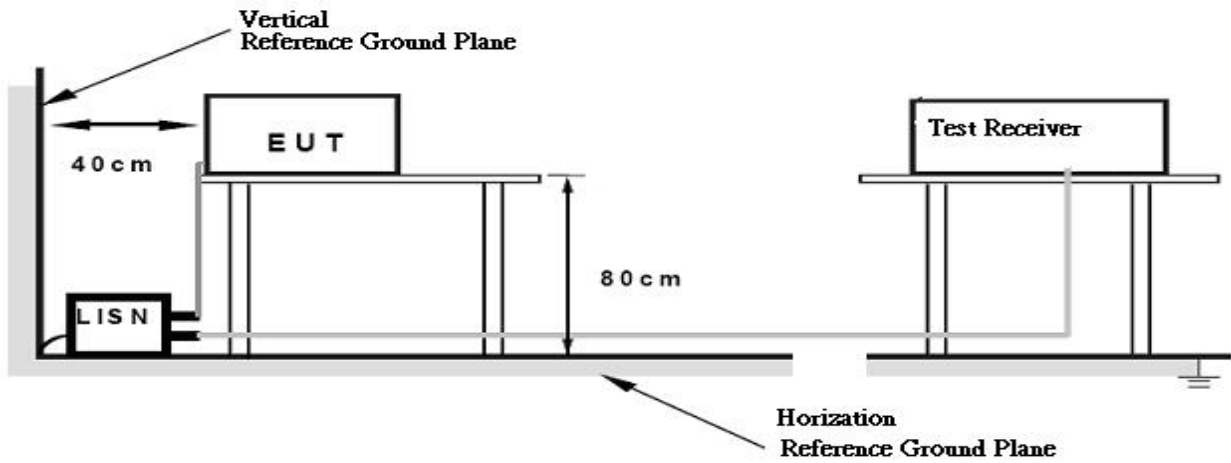
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

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

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 53% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Appendix A.

Remark:

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

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

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

Note:

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

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

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

4.2.2 TEST PROCEDURE

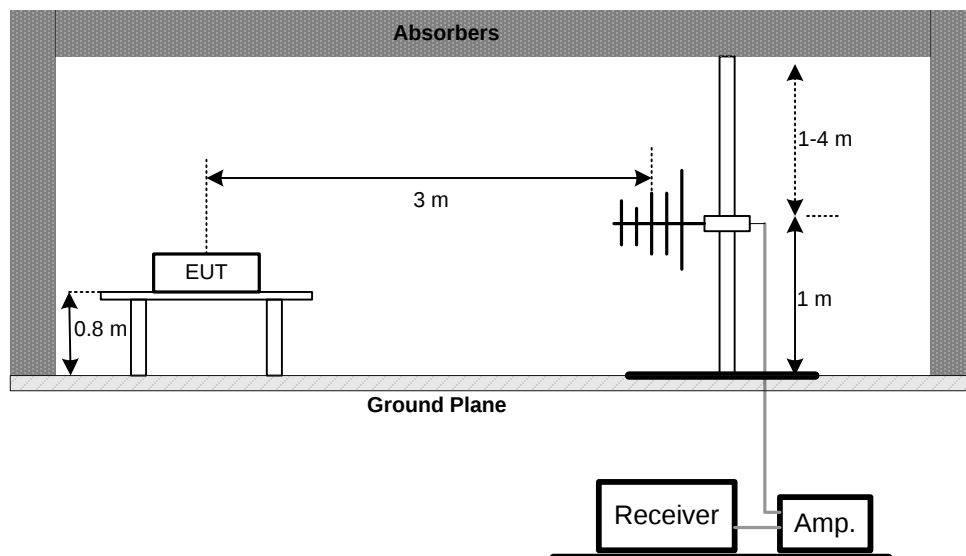
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

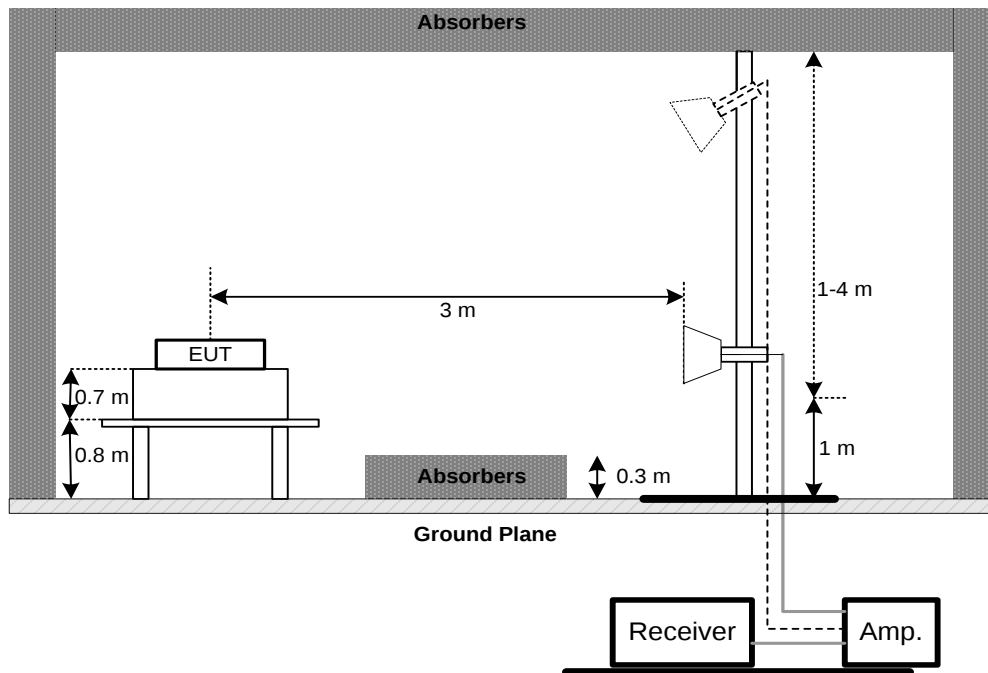
No deviation

4.2.4 TEST SETUP

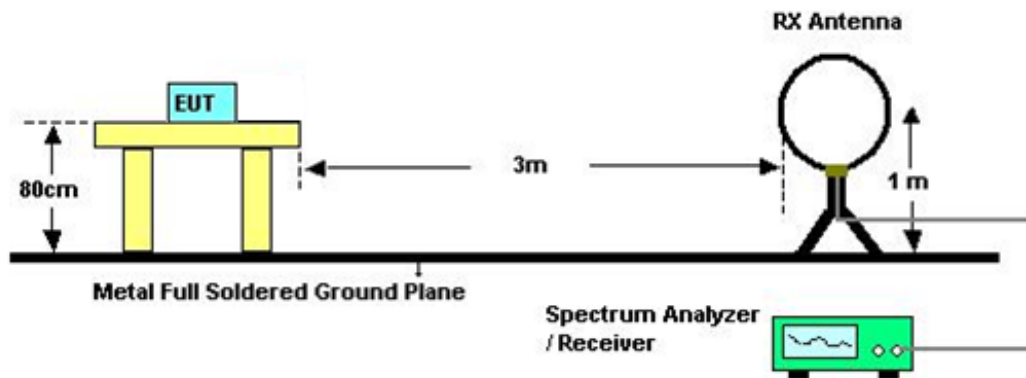
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



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



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Appendix B

Remark:

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

4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHz)

Please refer to the Appendix C.

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Appendix D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

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

5.1.1 TEST PROCEDURE

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

b.

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

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Appendix E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- b. Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
789033 D02 General UNII Test Procedures New Rules v02r01 Page 9.
 - The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
 - At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
 - The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
 - (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
 - (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
 - (iv) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle.
- c. Test was performed in accordance with method of KDB 789033 D02.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Appendix F.

7. POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

Note:

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

7.1.1 DEVIATION FROM STANDARD

No deviation.

7.1.2 TEST SETUP



7.1.3 EUT OPERATION CONDITIONS

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

7.1.4 EUT TEST CONDITIONS

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

7.1.5 TEST RESULTS

Please refer to the Appendix H.

8. FREQUENCY STABILITY MEASUREMENT

8.1 APPLIED PROCEDURES / LIMIT

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

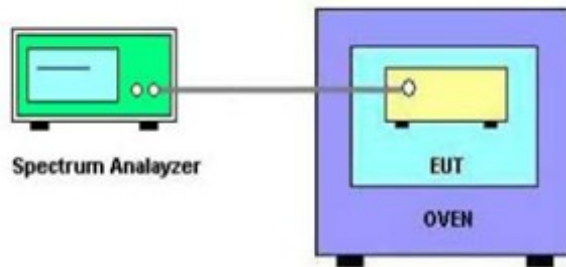
8.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b.
- | Spectrum Parameter | Setting |
|--------------------|--|
| Attenuation | Auto |
| Span Frequency | Entire absence of modulation emissions bandwidth |
| RBW | 10 kHz |
| VBW | 10 kHz |
| Sweep Time | Auto |
- c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- d. User manual temperature is 0°C~40°C.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Appendix I.

9. MEASUREMENT INSTRUMENTS LIST

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

Radiated Emission Below 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 19, 2018
3	Receiver	Agilent	N9038A	MY52130039	Sep. 03, 2018
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	Jun. 26, 2018
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Antenna	EM	EM-6876-1	230	Mar. 06, 2018

Radiated Emission Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 26, 2018
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 08, 2018
3	Amplifier	Agilent	8449B	3008A02274	May. 16, 2018
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
5	Receiver	Agilent	N9038A	MY52130039	Sep. 03, 2018
6	Antenna	EM	EM-6876-1	230	Jul. 07, 2018
7	Controller	CT	SC100	N/A	N/A
8	Controller	MF	MF-7802	MF780208416	N/A
9	Cable	emci	EMC104-SM-SM-1 2000(12m)	N/A	Jun. 26, 2018
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

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

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

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

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

10. EUT TEST PHOTOS

Conducted Measurement Photos



Radiated Measurement Photos

9KHz to 30MHz



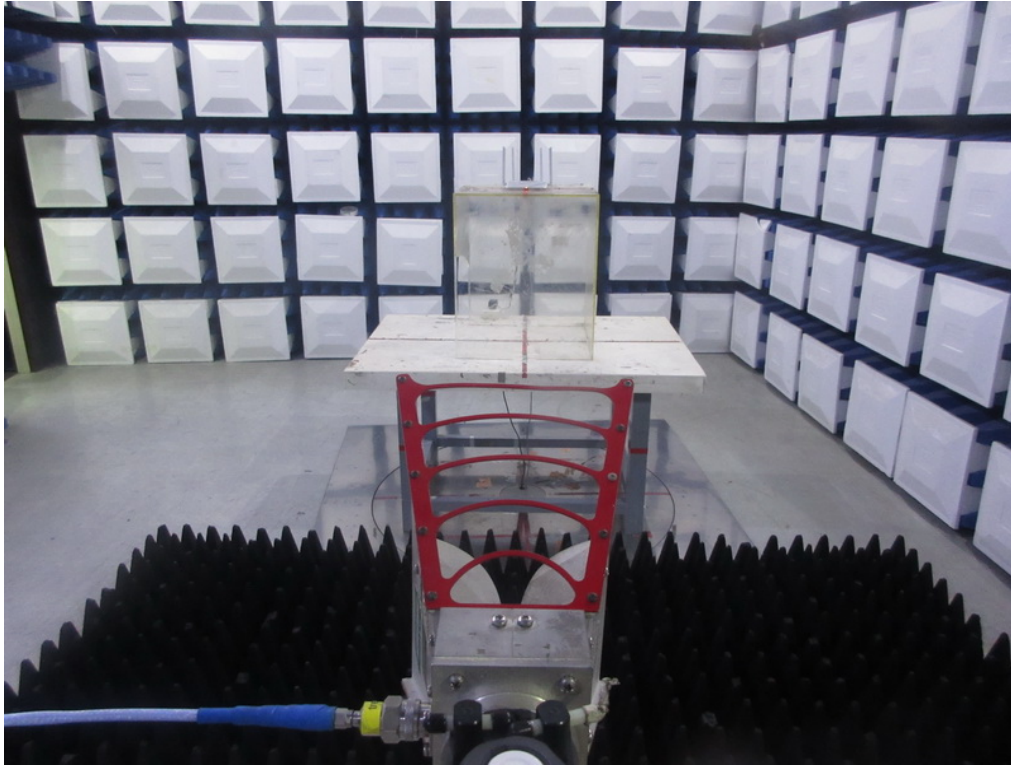
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

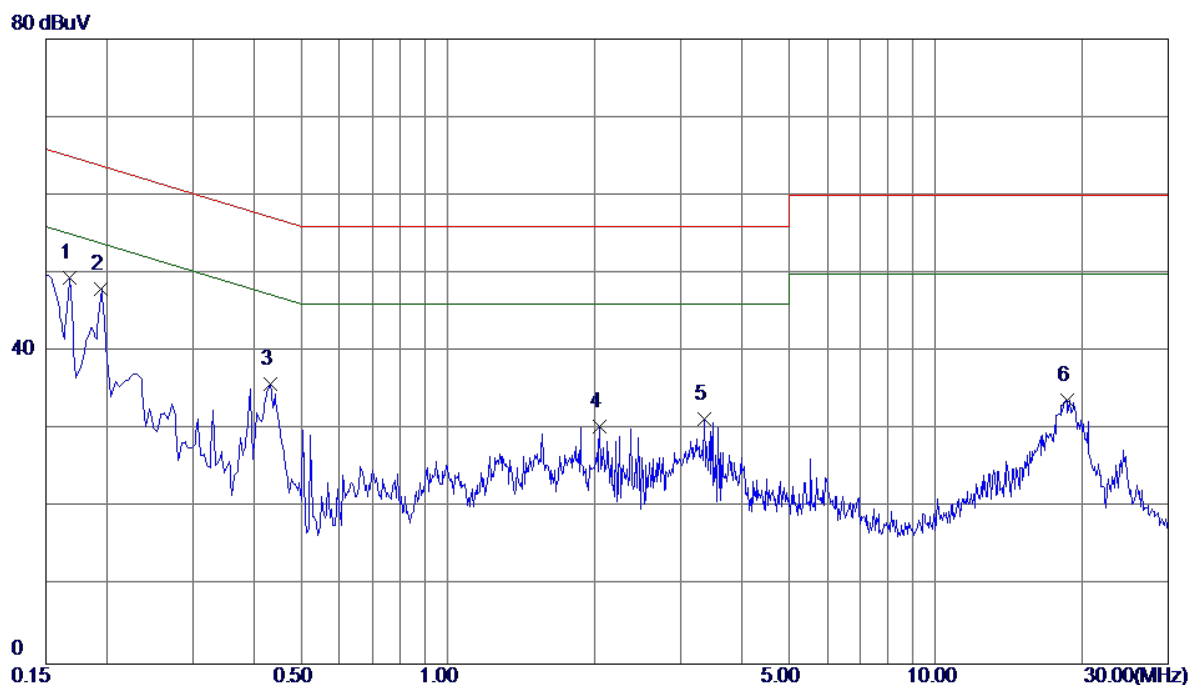
Above 1000MHz



APPENDIX A - CONDUCTED EMISSION

Test Mode: TX MODE

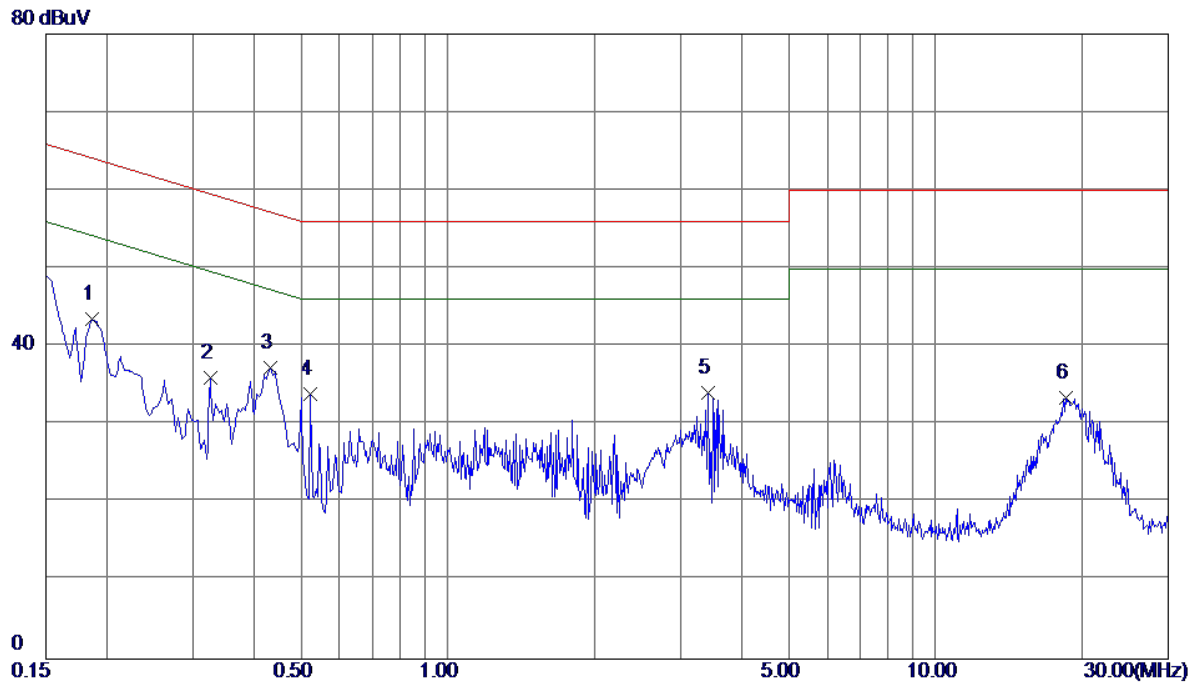
Line



Note : The test result has included the cable loss.

Test Mode: TX MODE

Neutral



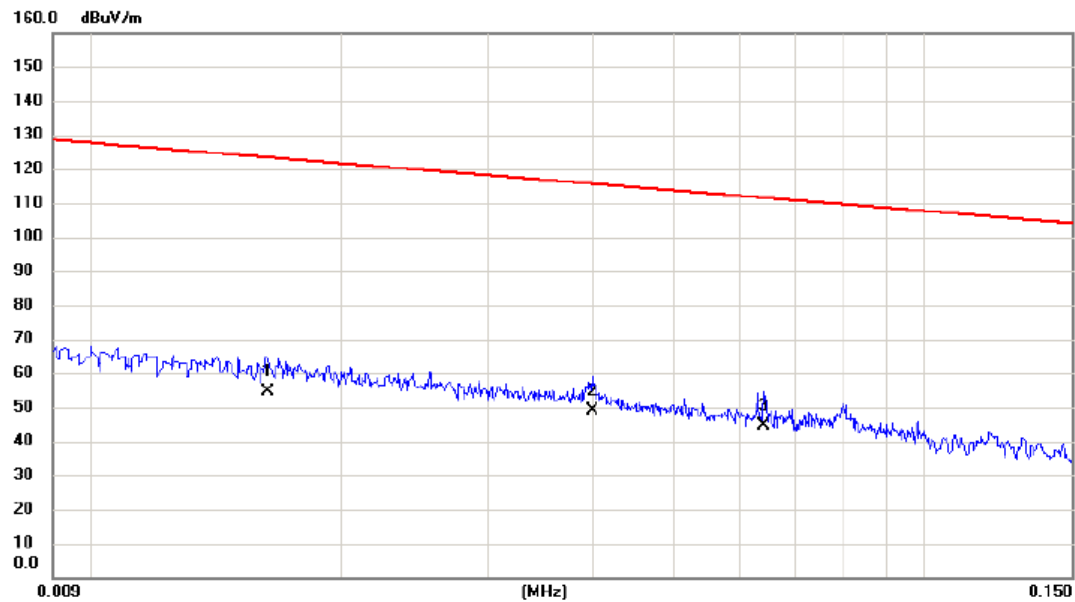
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1860	33.85	9.65	43.50	64.21	-20.71	Peak	
2	0.3255	26.30	9.65	35.95	59.57	-23.62	Peak	
3 *	0.4335	27.67	9.65	37.32	57.19	-19.87	Peak	
4	0.5235	24.26	9.66	33.92	56.00	-22.08	Peak	
5	3.4215	24.35	9.77	34.12	56.00	-21.88	Peak	
6	18.5415	23.03	10.34	33.37	60.00	-26.63	Peak	

Note : The test result has included the cable loss.

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

Test Mode: TX MODE

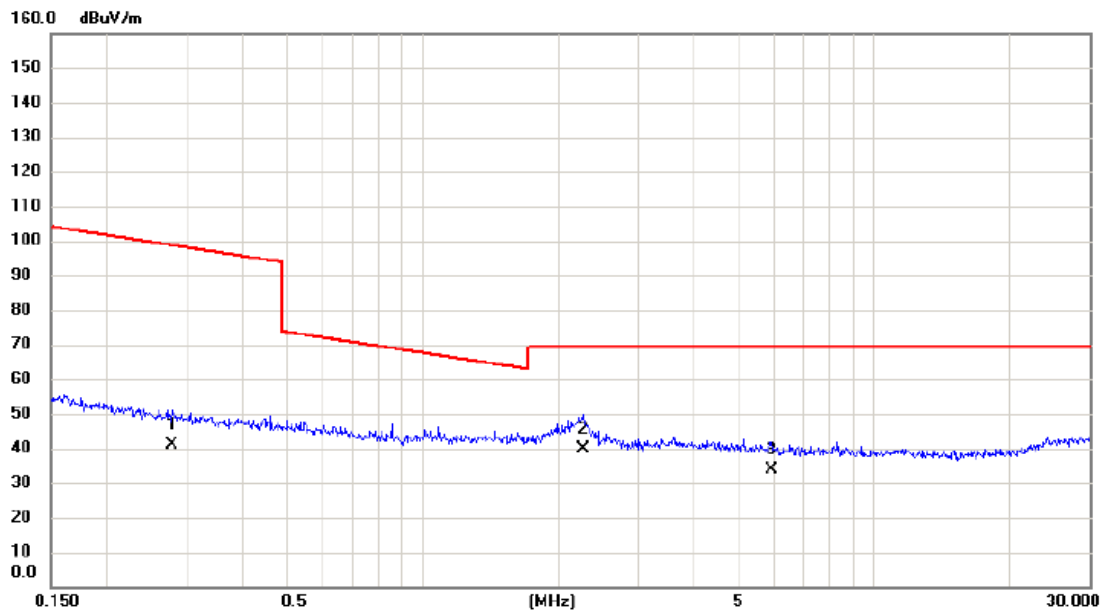
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0163	34.46	20.10	54.56	123.36	-68.80	AVG	
2	*	0.0400	29.83	19.02	48.85	115.56	-66.71	AVG	
3		0.0641	26.20	18.45	44.65	111.47	-66.82	AVG	

Test Mode: TX MODE

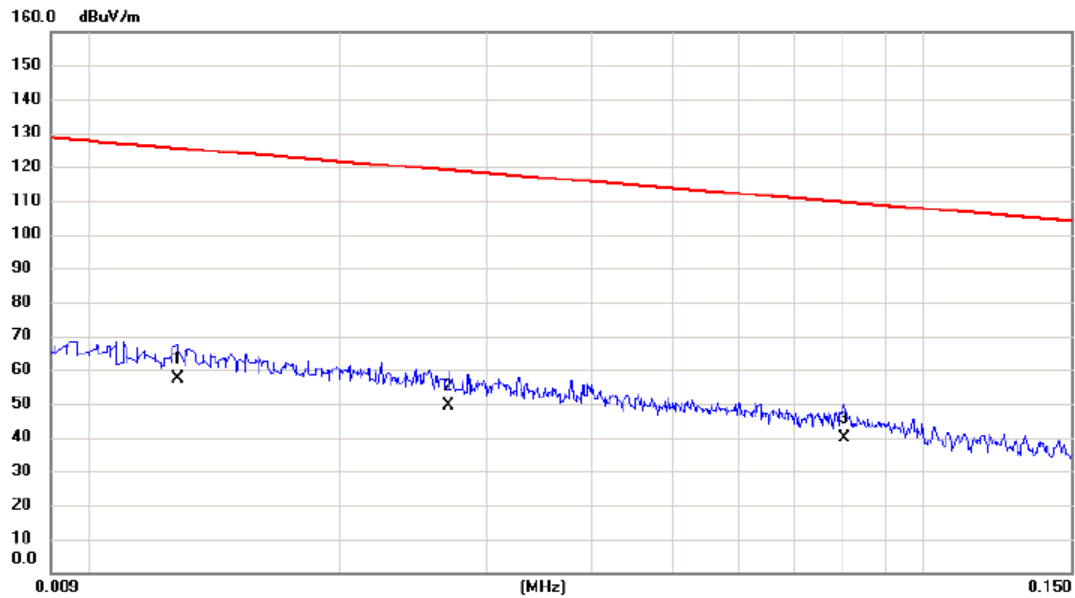
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2788	24.22	16.64	40.86	98.70	-57.84	AVG	
2	*	2.2726	24.47	15.44	39.91	69.54	-29.63	QP	
3		5.9293	19.38	14.25	33.63	69.54	-35.91	QP	

Test Mode: TX MODE

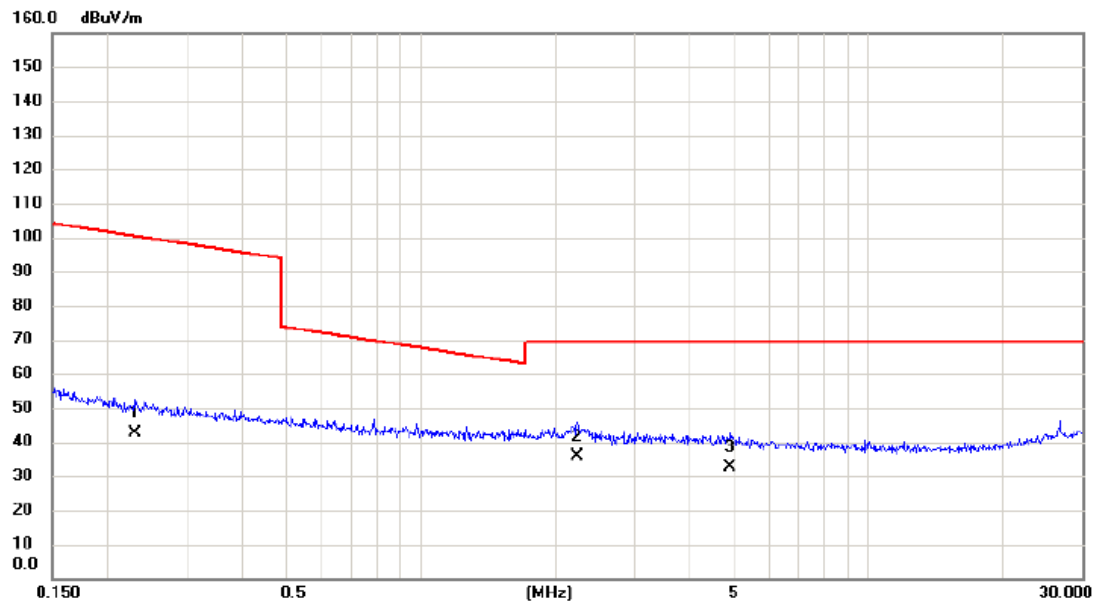
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.0128	37.00	20.56	57.56	125.46	-67.90	AVG	
2		0.0270	29.93	19.41	49.34	118.98	-69.64	AVG	
3		0.0803	21.53	18.10	39.63	109.51	-69.88	AVG	

Test Mode: TX MODE

Ant 90°

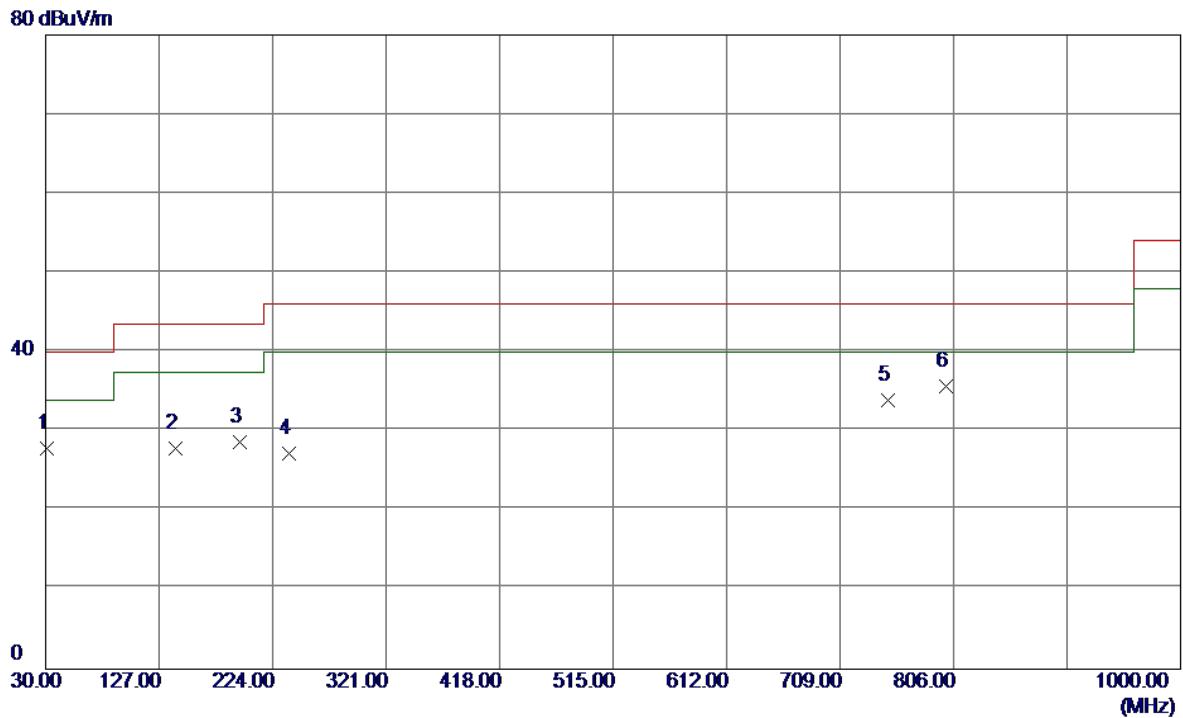


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2304	25.80	16.71	42.51	100.36	-57.85	AVG	
2	*	2.2367	20.23	15.44	35.67	69.54	-33.87	QP	
3		4.8997	18.13	14.43	32.56	69.54	-36.98	QP	

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

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

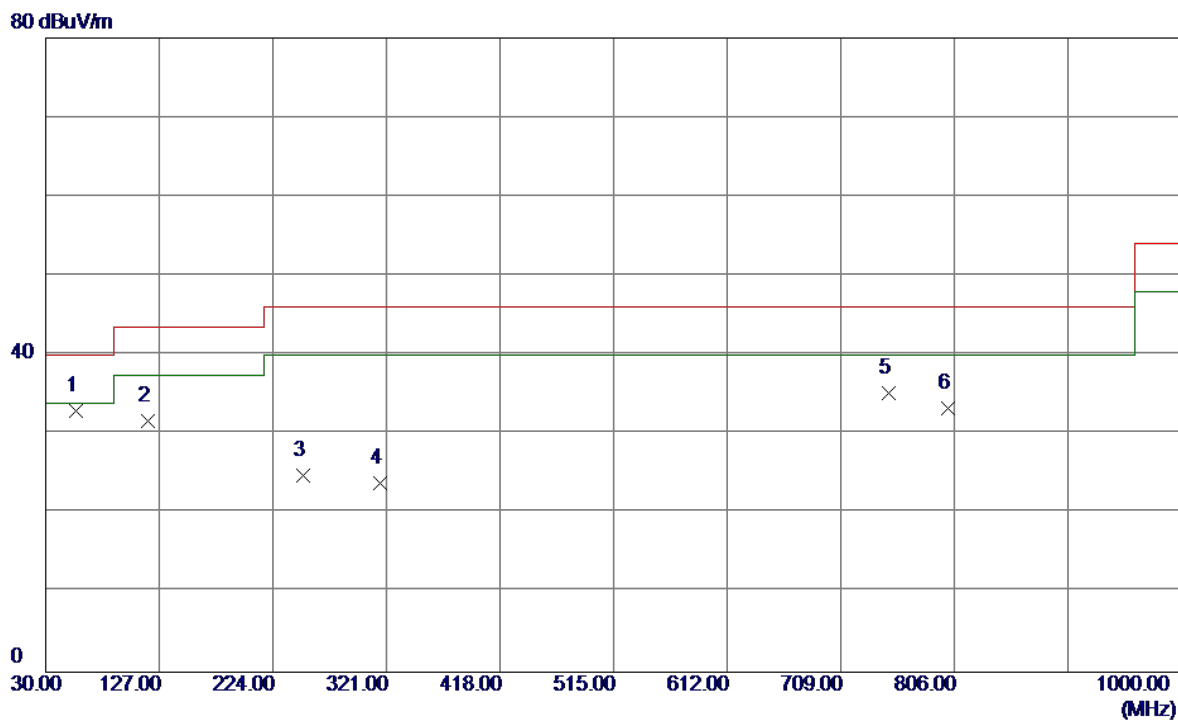
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	30.9700	42.96	-15.14	27.82	40.00	-12.18	Peak	
2	140.5800	41.98	-14.18	27.80	43.50	-15.70	Peak	
3	195.8700	41.96	-13.38	28.58	43.50	-14.92	Peak	
4	237.5800	41.50	-14.30	27.20	46.00	-18.80	Peak	
5	749.7400	36.31	-2.45	33.86	46.00	-12.14	Peak	
6 *	799.2100	37.08	-1.38	35.70	46.00	-10.30	Peak	

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

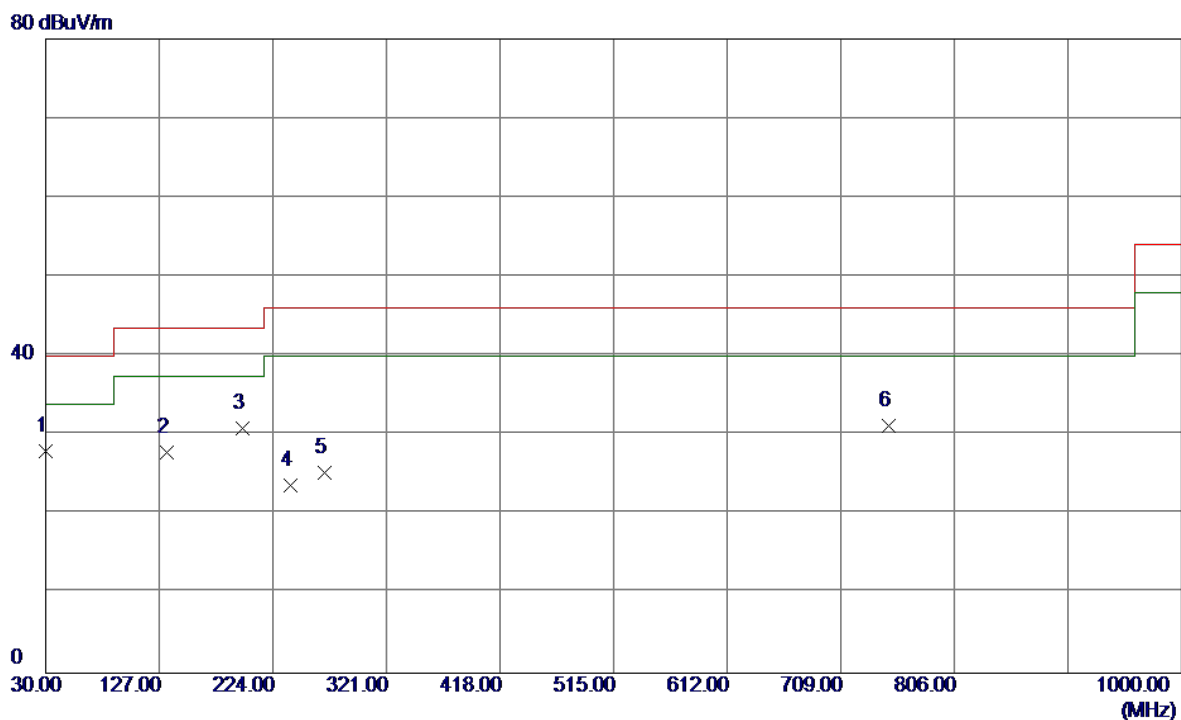
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	56.1900	46.91	-13.95	32.96	40.00	-7.04	Peak	
2	117.3000	47.35	-15.61	31.74	43.50	-11.76	Peak	
3	250.1900	39.67	-14.90	24.77	46.00	-21.23	Peak	
4	315.1800	36.47	-12.56	23.91	46.00	-22.09	Peak	
5	749.7400	37.70	-2.45	35.25	46.00	-10.75	Peak	
6	800.1800	34.70	-1.36	33.34	46.00	-12.66	Peak	

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

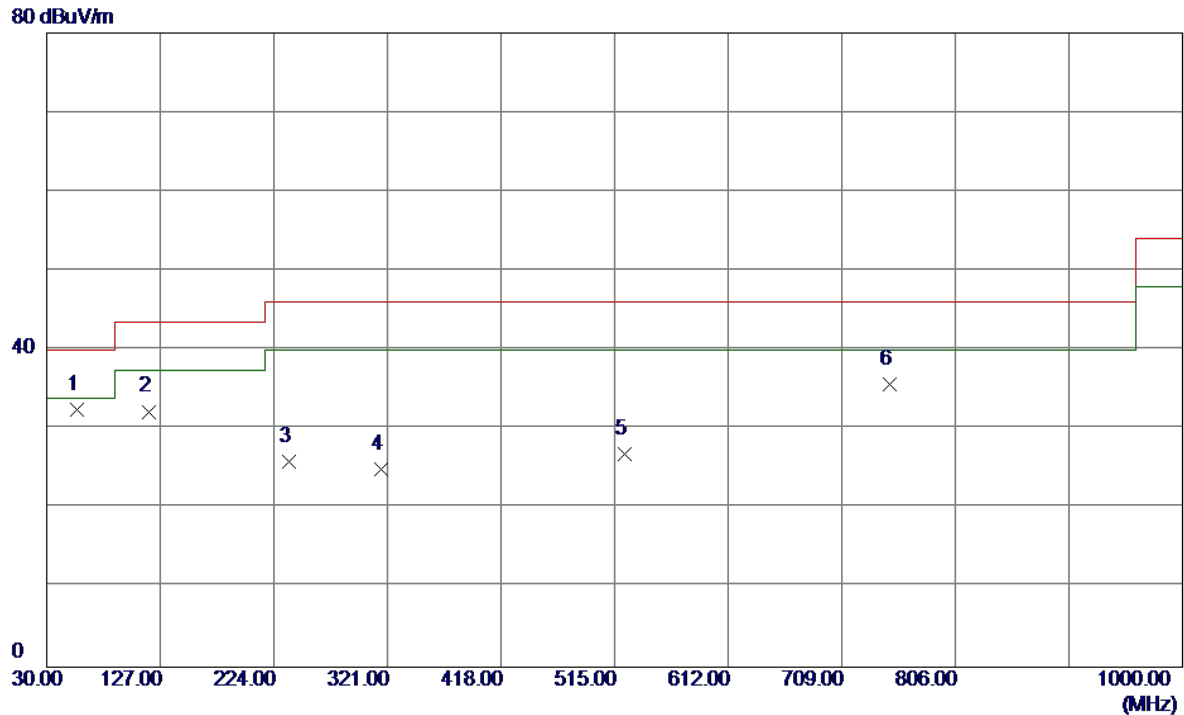
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.0000	43.28	-15.25	28.03	40.00	-11.97	Peak	
2	133.7899	42.34	-14.52	27.82	43.50	-15.68	Peak	
3	197.8100	44.40	-13.55	30.85	43.50	-12.65	Peak	
4	238.5500	38.00	-14.33	23.67	46.00	-22.33	Peak	
5	268.6200	41.10	-15.83	25.27	46.00	-20.73	Peak	
6	749.7400	33.71	-2.45	31.26	46.00	-14.74	Peak	

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

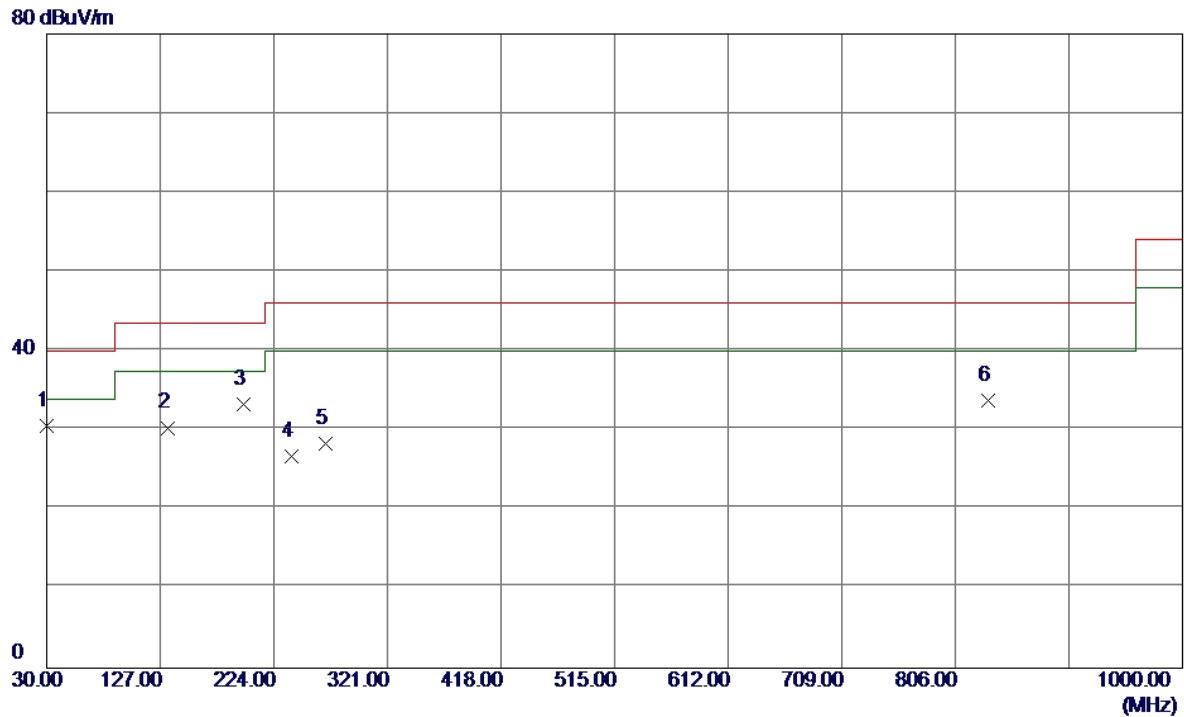
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	56.1900	46.41	-13.95	32.46	40.00	-7.54	Peak	
2	117.3000	47.85	-15.61	32.24	43.50	-11.26	Peak	
3	236.6100	40.16	-14.28	25.88	46.00	-20.12	Peak	
4	315.1800	37.47	-12.56	24.91	46.00	-21.09	Peak	
5	523.7300	35.13	-8.24	26.89	46.00	-19.11	Peak	
6	749.7400	38.20	-2.45	35.75	46.00	-10.25	Peak	

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

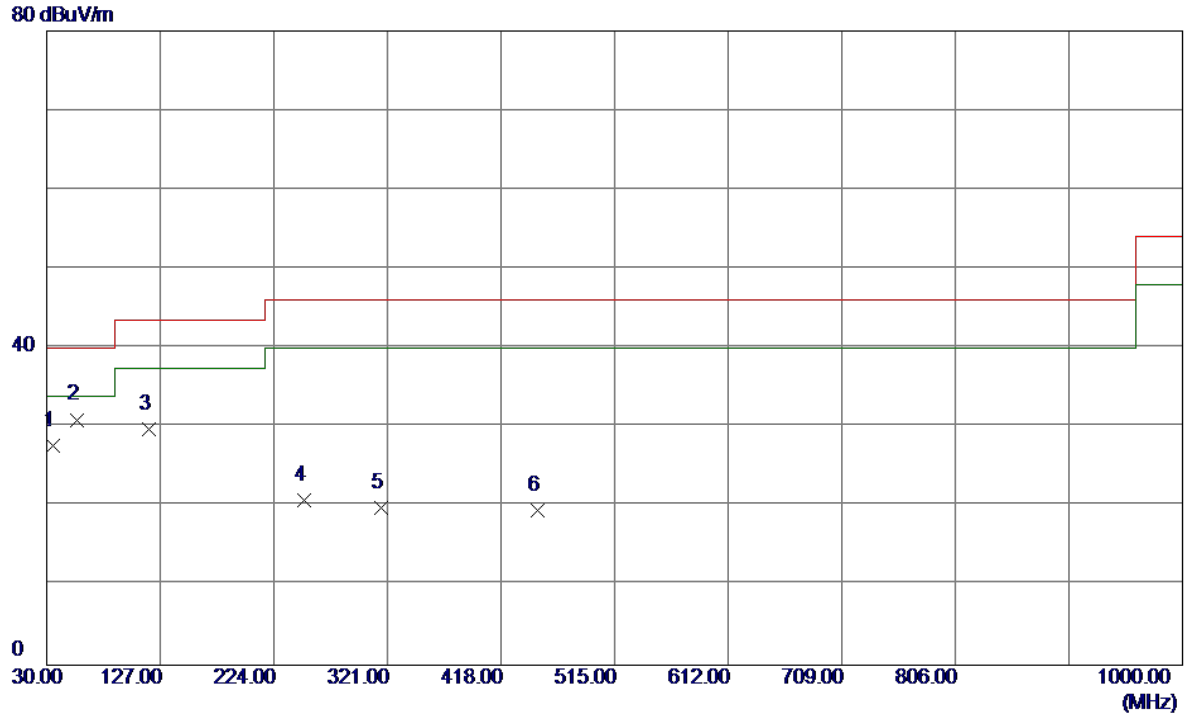
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.0000	45.78	-15.25	30.53	40.00	-9.47	Peak	
2	133.7899	44.84	-14.52	30.32	43.50	-13.18	Peak	
3	197.8100	46.90	-13.55	33.35	43.50	-10.15	Peak	
4	238.5500	41.00	-14.33	26.67	46.00	-19.33	Peak	
5	268.6200	44.10	-15.83	28.27	46.00	-17.73	Peak	
6	834.1300	34.15	-0.43	33.72	46.00	-12.28	Peak	

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

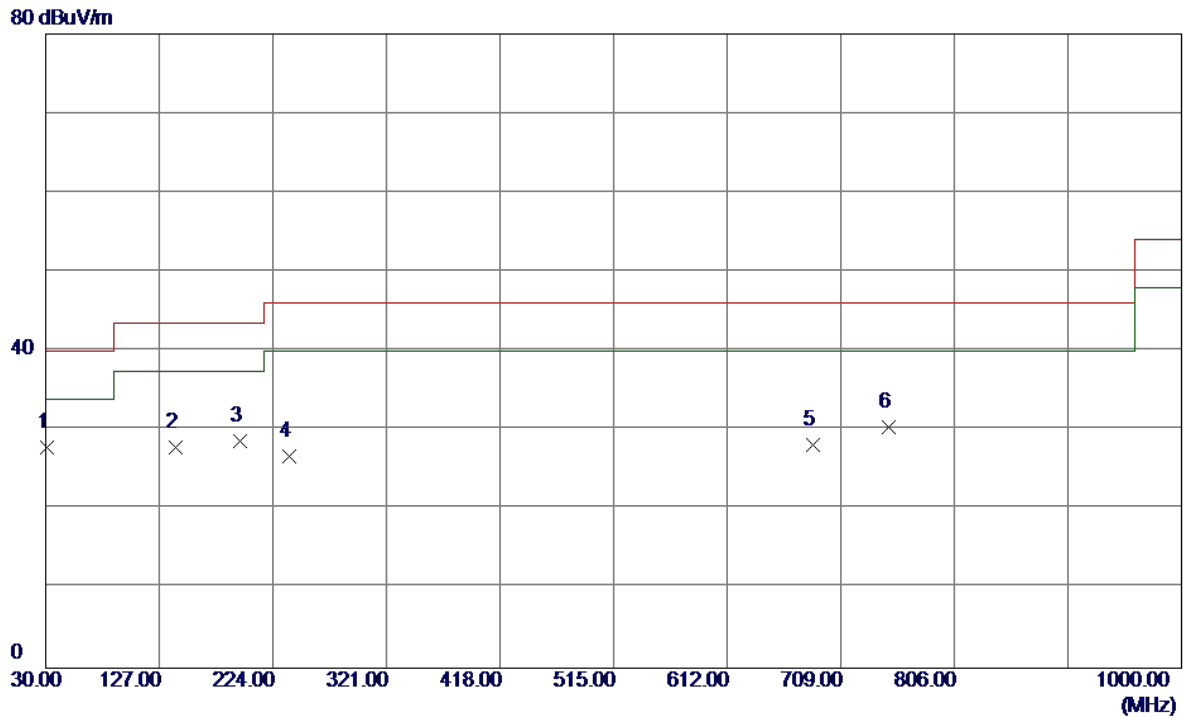
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	35.8200	42.12	-14.51	27.61	40.00	-12.39	Peak	
2 *	56.1900	44.91	-13.95	30.96	40.00	-9.04	Peak	
3	117.3000	45.35	-15.61	29.74	43.50	-13.76	Peak	
4	250.1900	35.67	-14.90	20.77	46.00	-25.23	Peak	
5	315.1800	32.47	-12.56	19.91	46.00	-26.09	Peak	
6	449.0400	29.47	-9.97	19.50	46.00	-26.50	Peak	

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

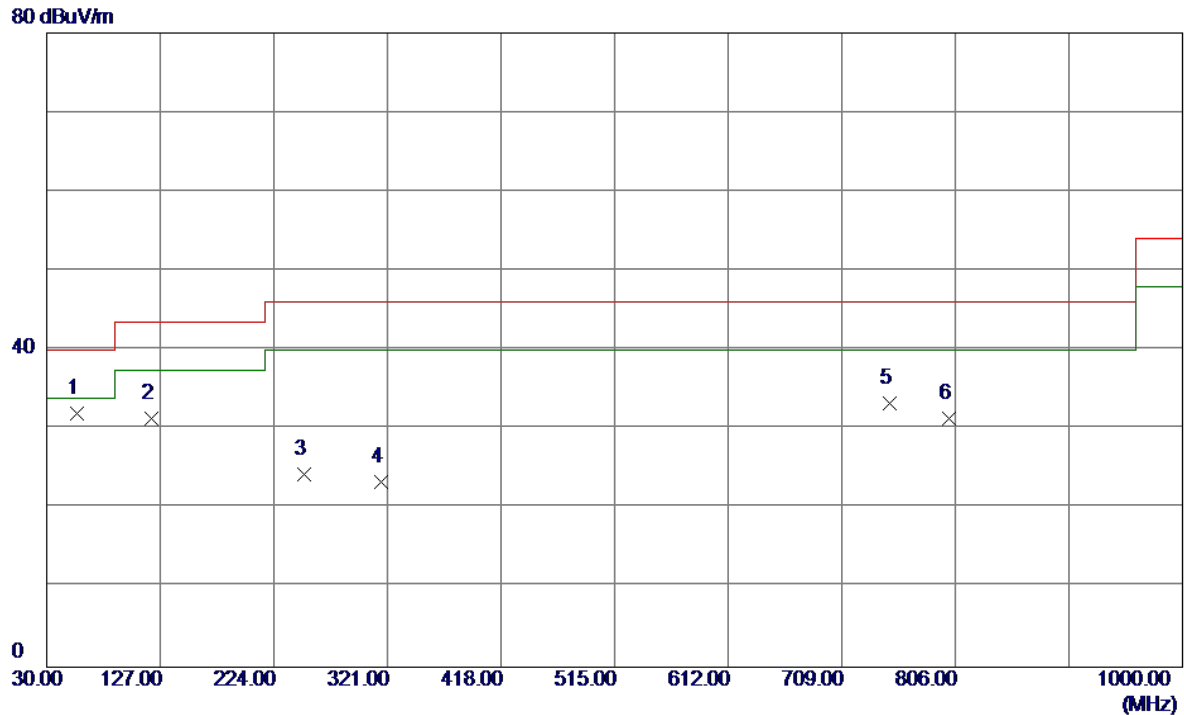
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.9700	42.96	-15.14	27.82	40.00	-12.18	Peak	
2	140.5800	41.98	-14.18	27.80	43.50	-15.70	Peak	
3	195.8700	41.96	-13.38	28.58	43.50	-14.92	Peak	
4	237.5800	41.00	-14.30	26.70	46.00	-19.30	Peak	
5	685.7199	32.48	-4.38	28.10	46.00	-17.90	Peak	
6	749.7400	32.81	-2.45	30.36	46.00	-15.64	Peak	

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

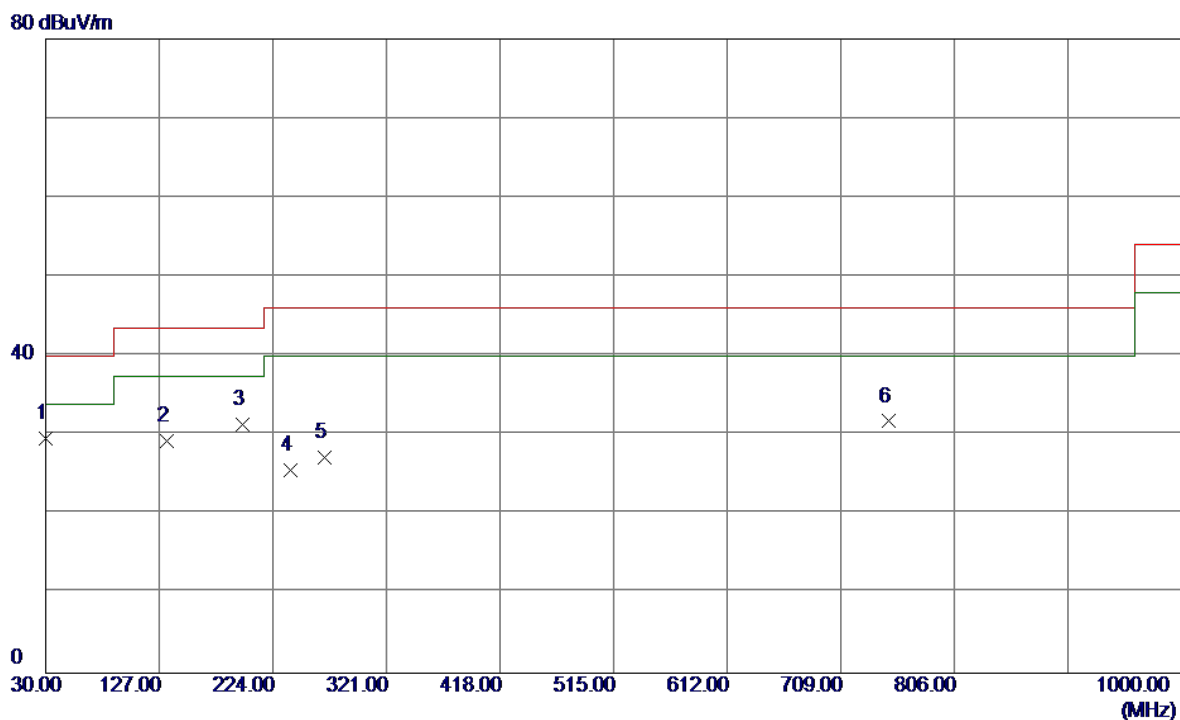
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	56.1900	45.91	-13.95	31.96	40.00	-8.04	Peak	
2	119.2400	46.87	-15.46	31.41	43.50	-12.09	Peak	
3	250.1900	39.17	-14.90	24.27	46.00	-21.73	Peak	
4	315.1800	35.97	-12.56	23.41	46.00	-22.59	Peak	
5	749.7400	35.70	-2.45	33.25	46.00	-12.75	Peak	
6	800.1800	32.70	-1.36	31.34	46.00	-14.66	Peak	

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

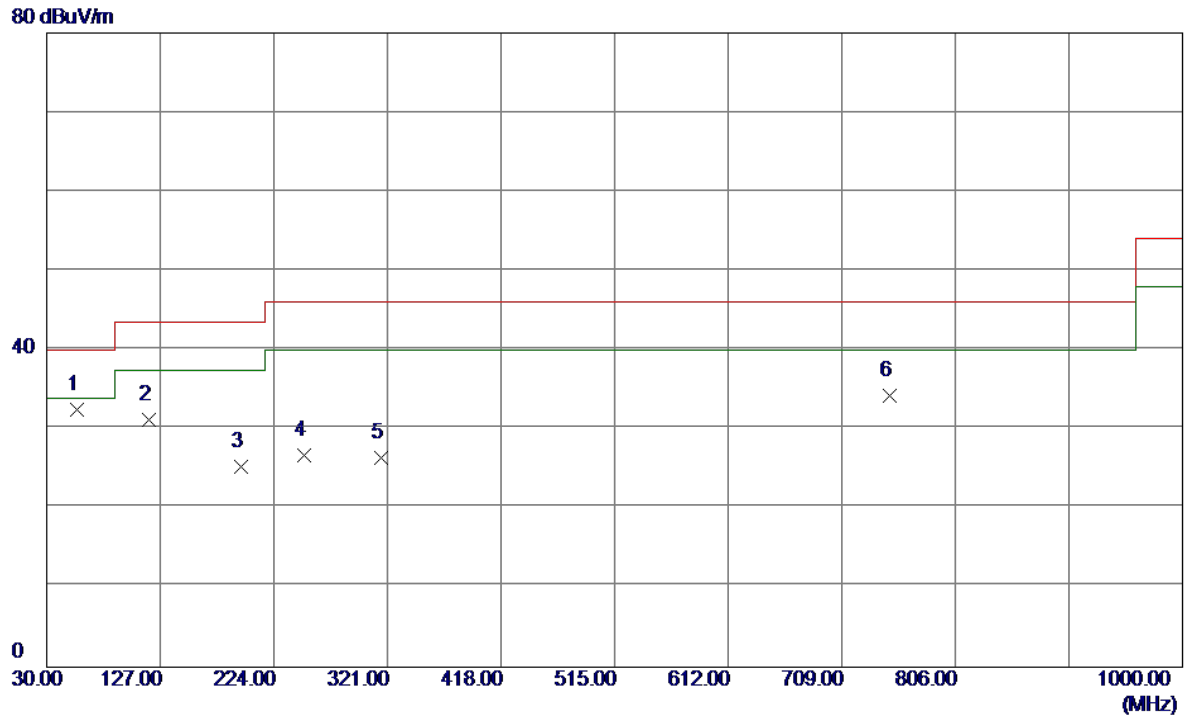
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.0000	44.78	-15.25	29.53	40.00	-10.47	Peak	
2	133.7899	43.84	-14.52	29.32	43.50	-14.18	Peak	
3	197.8100	44.90	-13.55	31.35	43.50	-12.15	Peak	
4	238.5500	40.00	-14.33	25.67	46.00	-20.33	Peak	
5	268.6200	43.10	-15.83	27.27	46.00	-18.73	Peak	
6	749.7400	34.21	-2.45	31.76	46.00	-14.24	Peak	

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

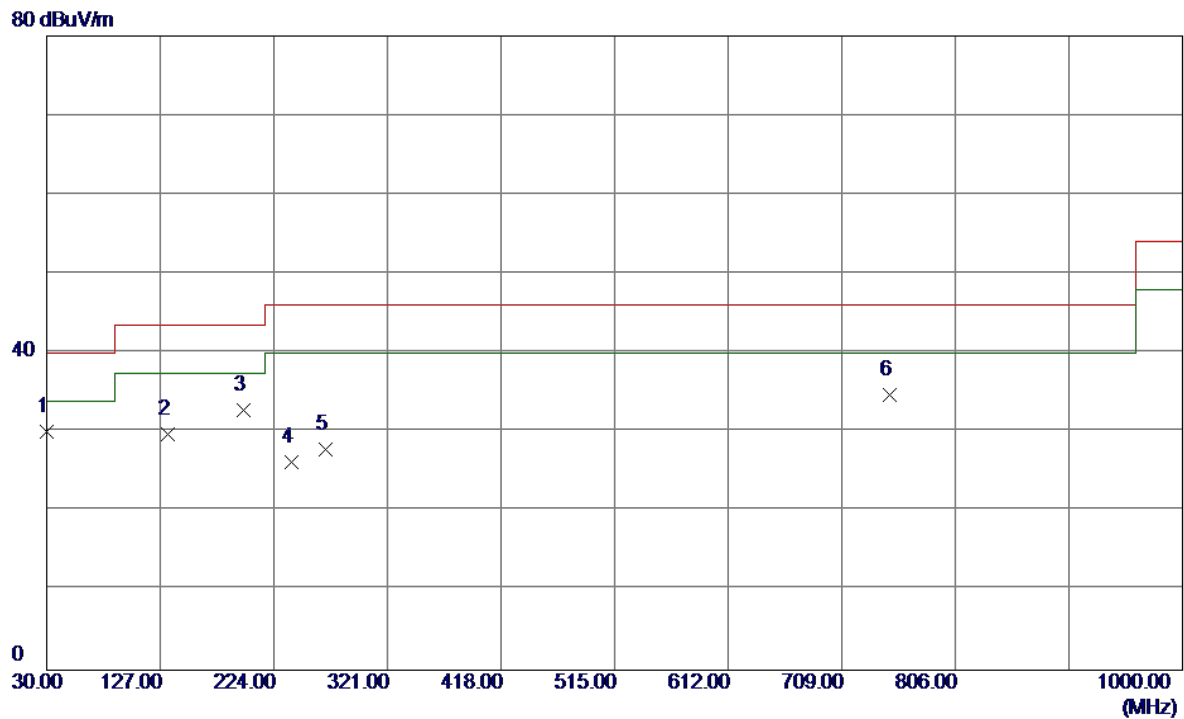
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	56.1900	46.41	-13.95	32.46	40.00	-7.54	Peak	
2	117.3000	46.85	-15.61	31.24	43.50	-12.26	Peak	
3	195.8700	38.69	-13.38	25.31	43.50	-18.19	Peak	
4	250.1900	41.67	-14.90	26.77	46.00	-19.23	Peak	
5	315.1800	38.97	-12.56	26.41	46.00	-19.59	Peak	
6	749.7400	36.70	-2.45	34.25	46.00	-11.75	Peak	

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

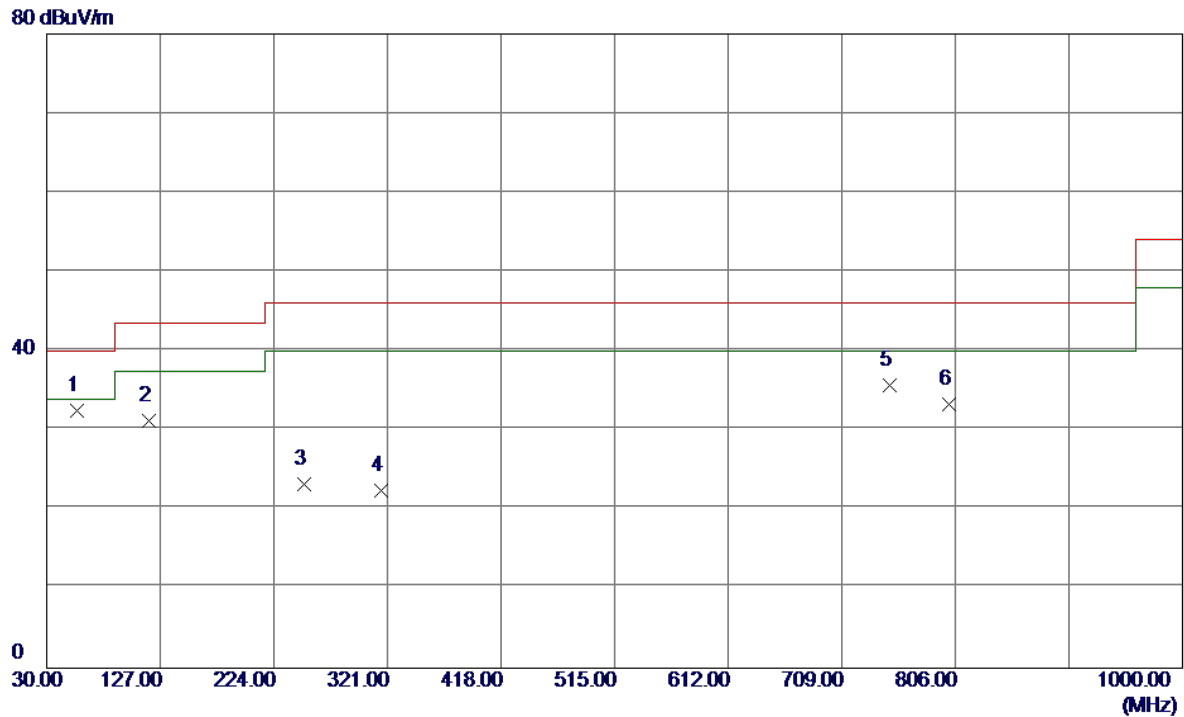
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.0000	45.28	-15.25	30.03	40.00	-9.97	Peak	
2	133.7899	44.34	-14.52	29.82	43.50	-13.68	Peak	
3	197.8100	46.40	-13.55	32.85	43.50	-10.65	Peak	
4	238.5500	40.50	-14.33	26.17	46.00	-19.83	Peak	
5	268.6200	43.60	-15.83	27.77	46.00	-18.23	Peak	
6	749.7400	37.21	-2.45	34.76	46.00	-11.24	Peak	

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

Horizontal



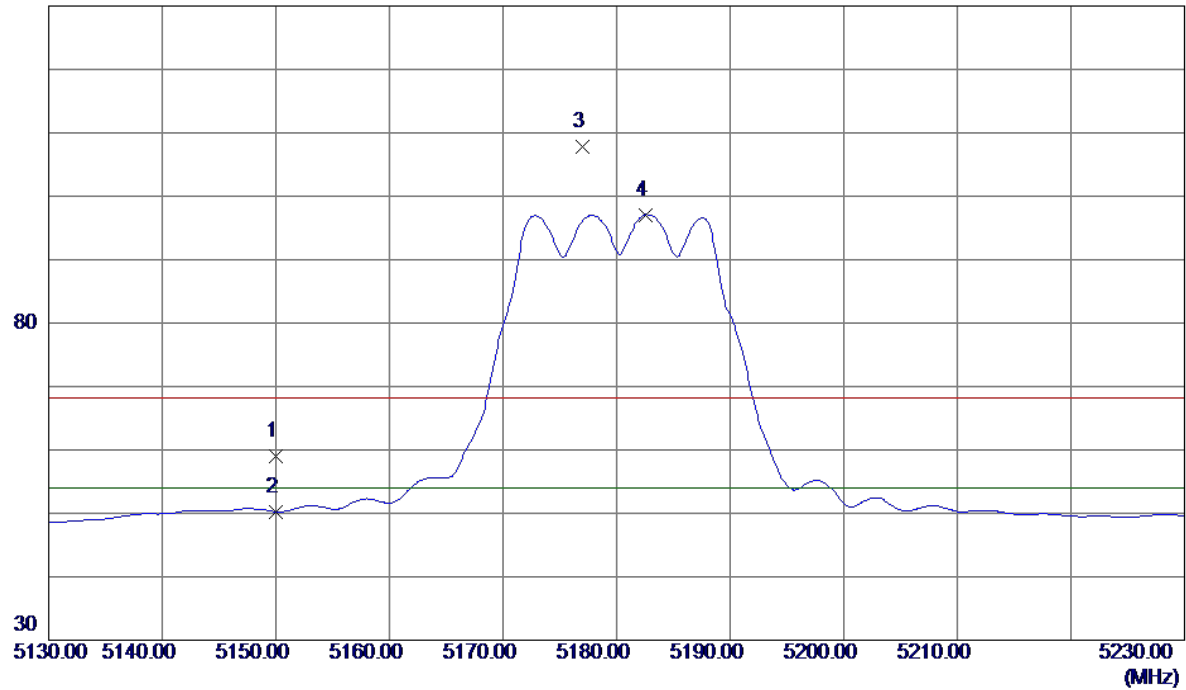
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	56.1900	46.41	-13.95	32.46	40.00	-7.54	Peak	
2	117.3000	46.85	-15.61	31.24	43.50	-12.26	Peak	
3	250.1900	38.17	-14.90	23.27	46.00	-22.73	Peak	
4	315.1800	34.97	-12.56	22.41	46.00	-23.59	Peak	
5	749.7400	38.20	-2.45	35.75	46.00	-10.25	Peak	
6	800.1800	34.70	-1.36	33.34	46.00	-12.66	Peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

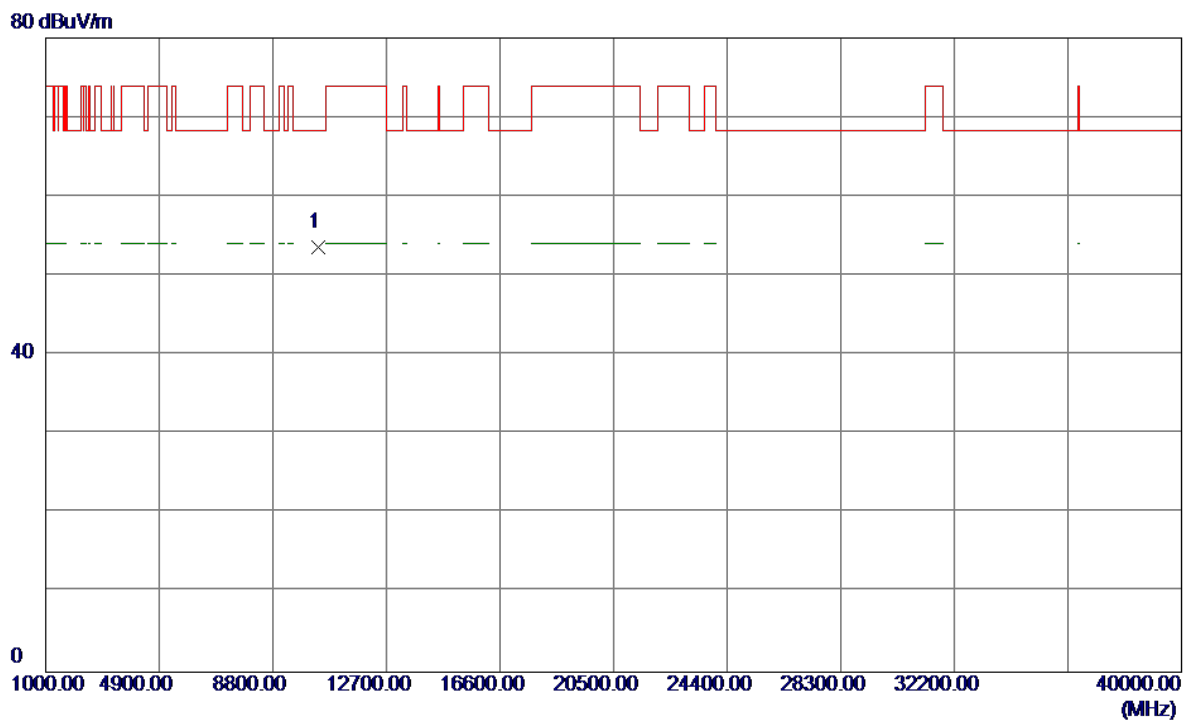
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	17.87	41.10	58.97	68.30	-9.33	Peak	
2	5150.0000	9.14	41.10	50.24	54.00	-3.76	AVG	
3	5177.0000	66.55	41.24	107.79	68.30	39.49	Peak	No Limit
4 *	5182.6000	55.83	41.27	97.10	54.00	43.10	AVG	No Limit

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

Vertical

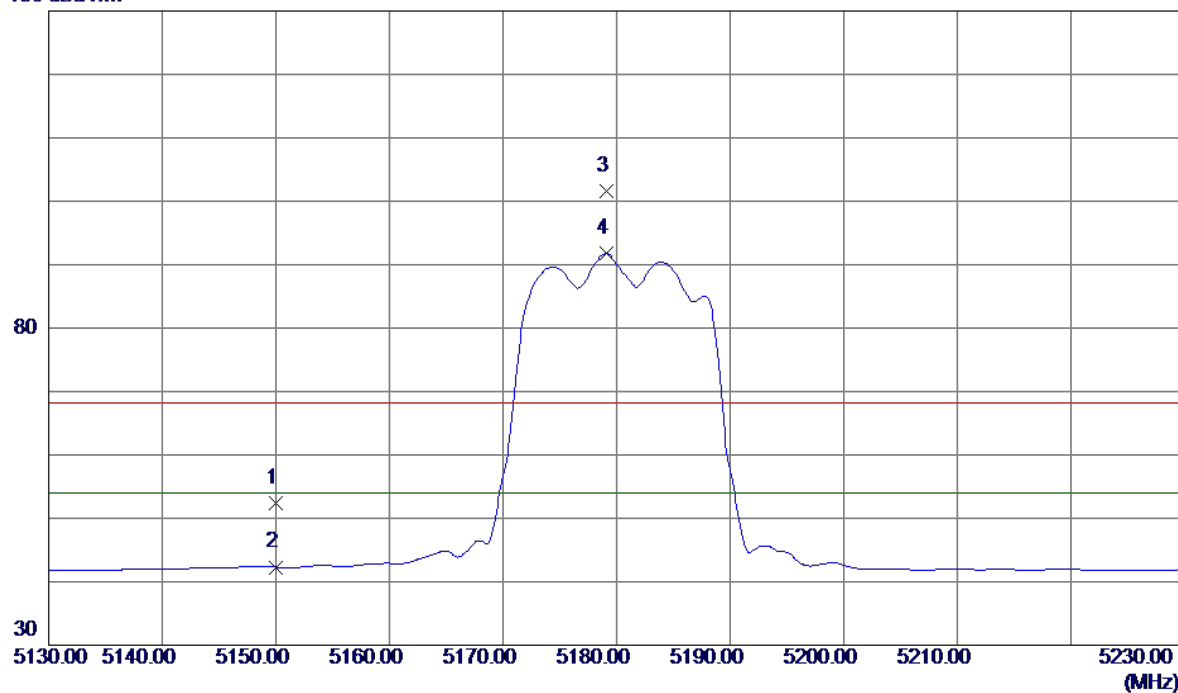


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10356.5000	37.31	16.32	53.63	68.30	-14.67	Peak	

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

Horizontal

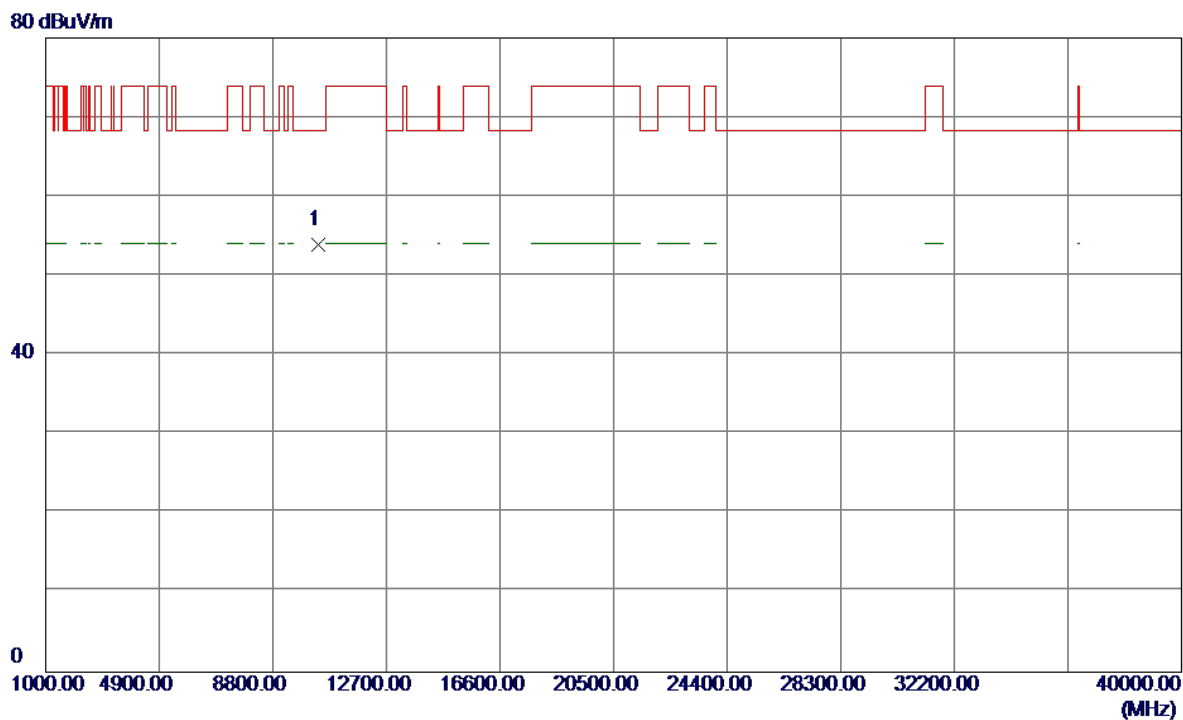
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	11.29	41.10	52.39	68.30	-15.91	Peak	
2	5150.0000	1.20	41.10	42.30	54.00	-11.70	AVG	
3	5179.1000	60.44	41.25	101.69	68.30	33.39	Peak	No Limit
4 *	5179.1000	50.49	41.25	91.74	54.00	37.74	AVG	No Limit

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

Horizontal

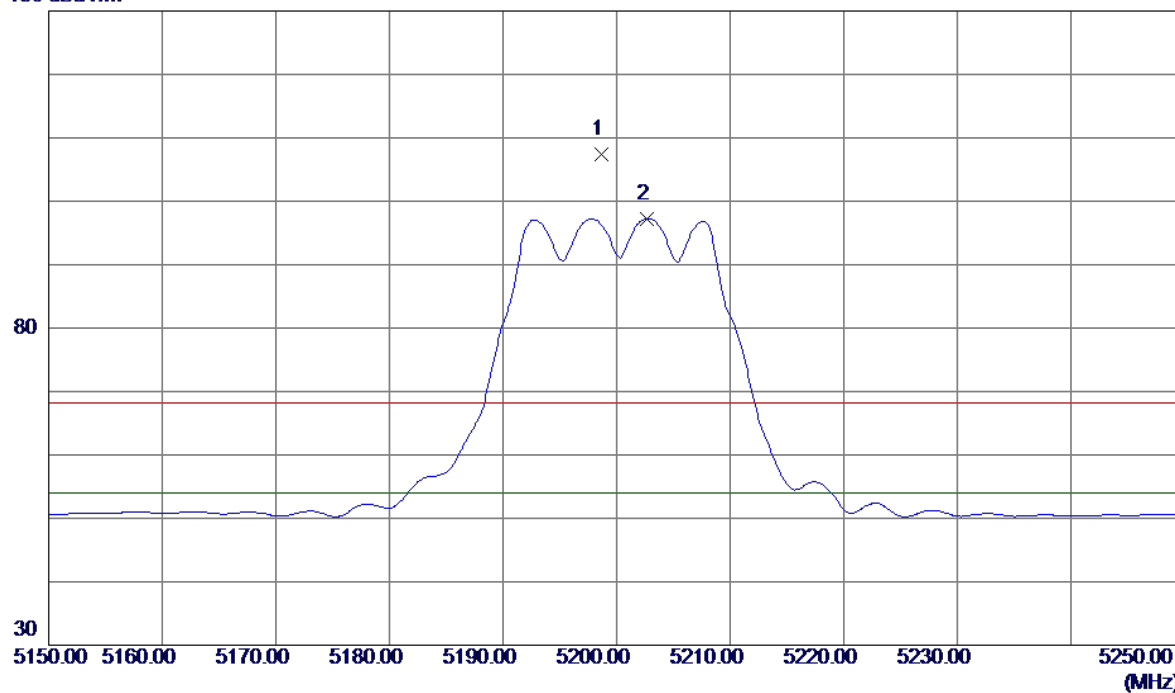


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10350.8200	37.53	16.31	53.84	68.30	-14.46	Peak	

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

Vertical

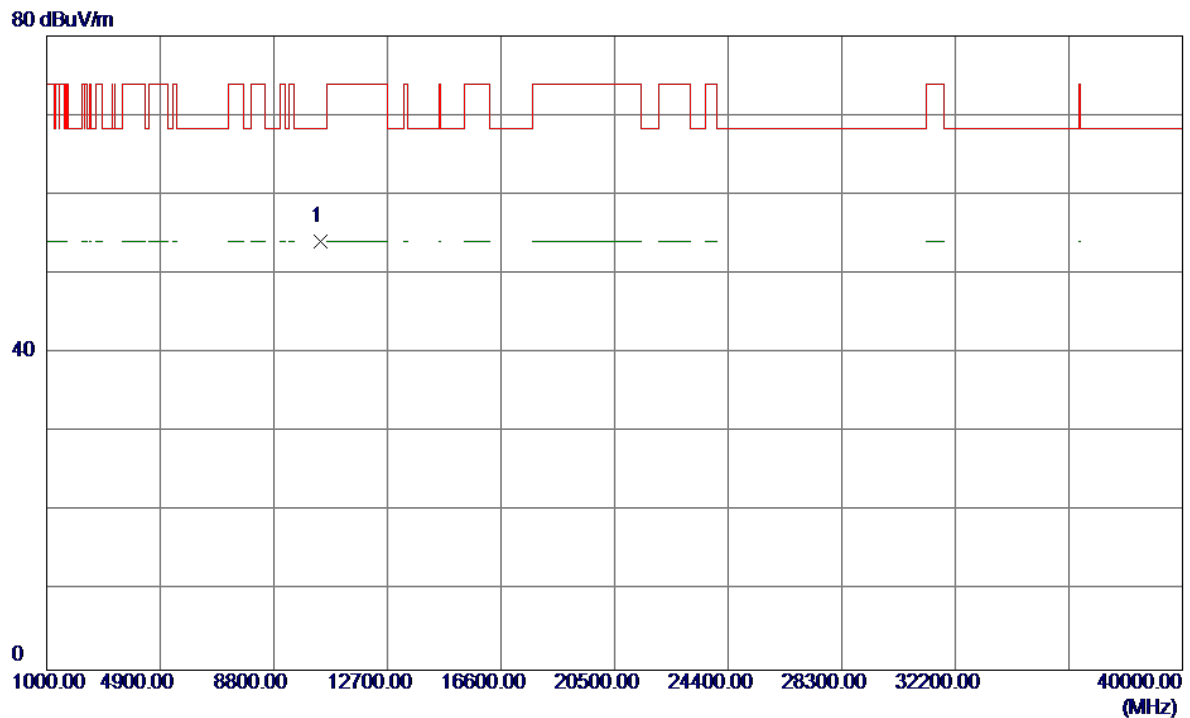
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5198.7000	66.00	41.35	107.35	68.30	39.05	Peak	No Limit
2 *	5202.7000	55.91	41.37	97.28	54.00	43.28	AVG	No Limit

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

Vertical

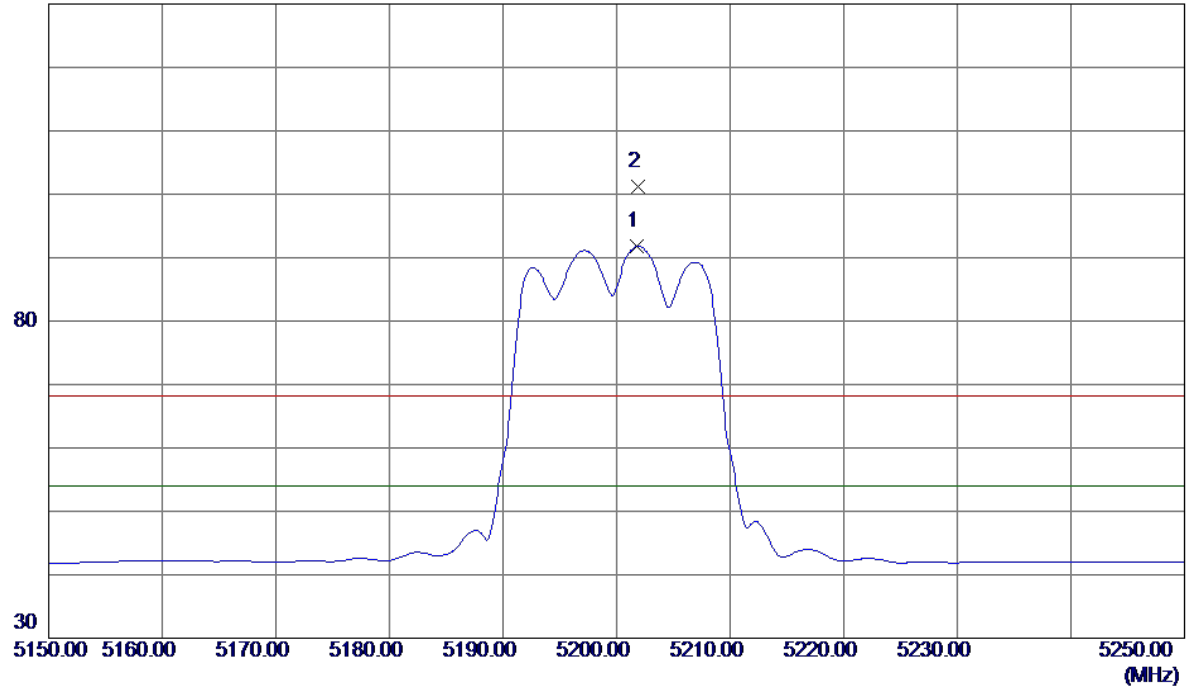


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10401.6200	37.59	16.44	54.03	68.30	-14.27	Peak	

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

Horizontal

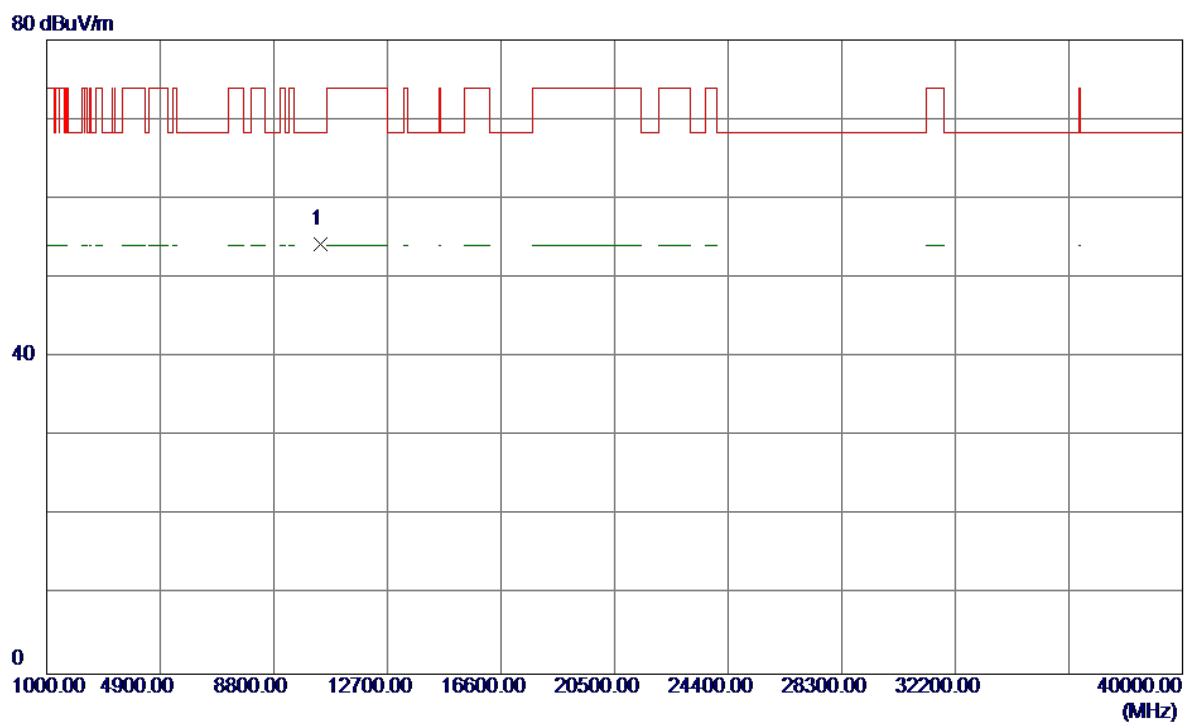
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5201.8000	50.40	41.37	91.77	54.00	37.77	AVG	No Limit
2	5201.9000	59.81	41.37	101.18	68.30	32.88	Peak	No Limit

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

Horizontal

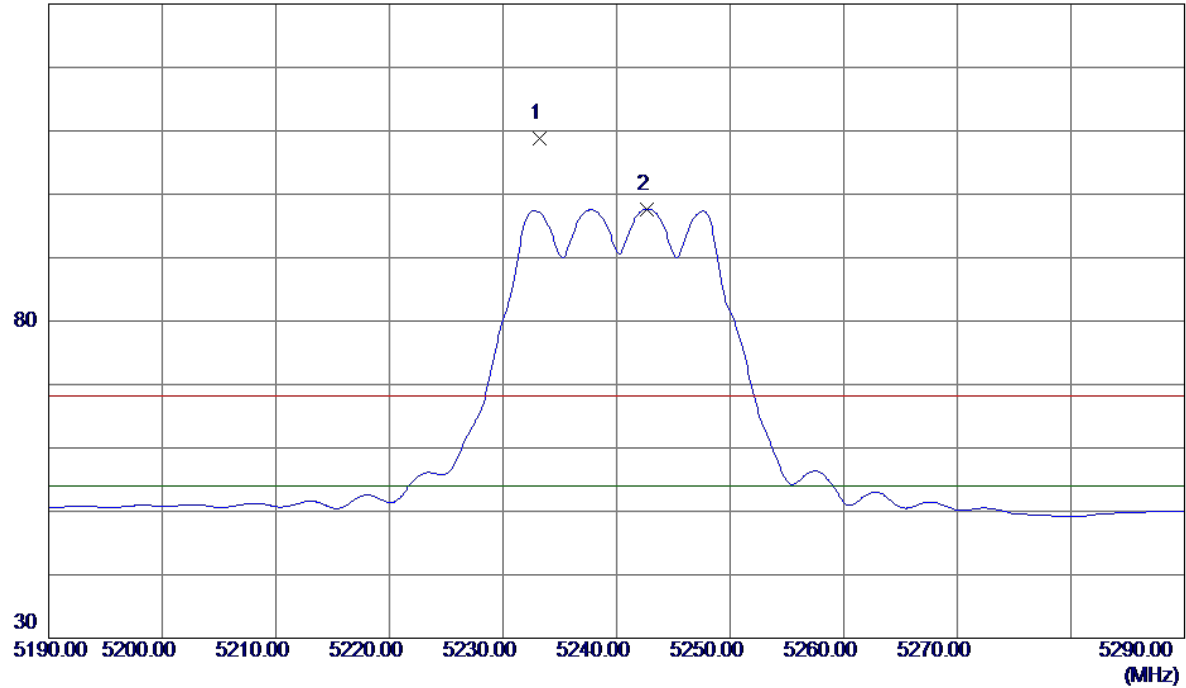


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10395.6600	37.79	16.43	54.22	68.30	-14.08	Peak	

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

Vertical

130 dBuV/m

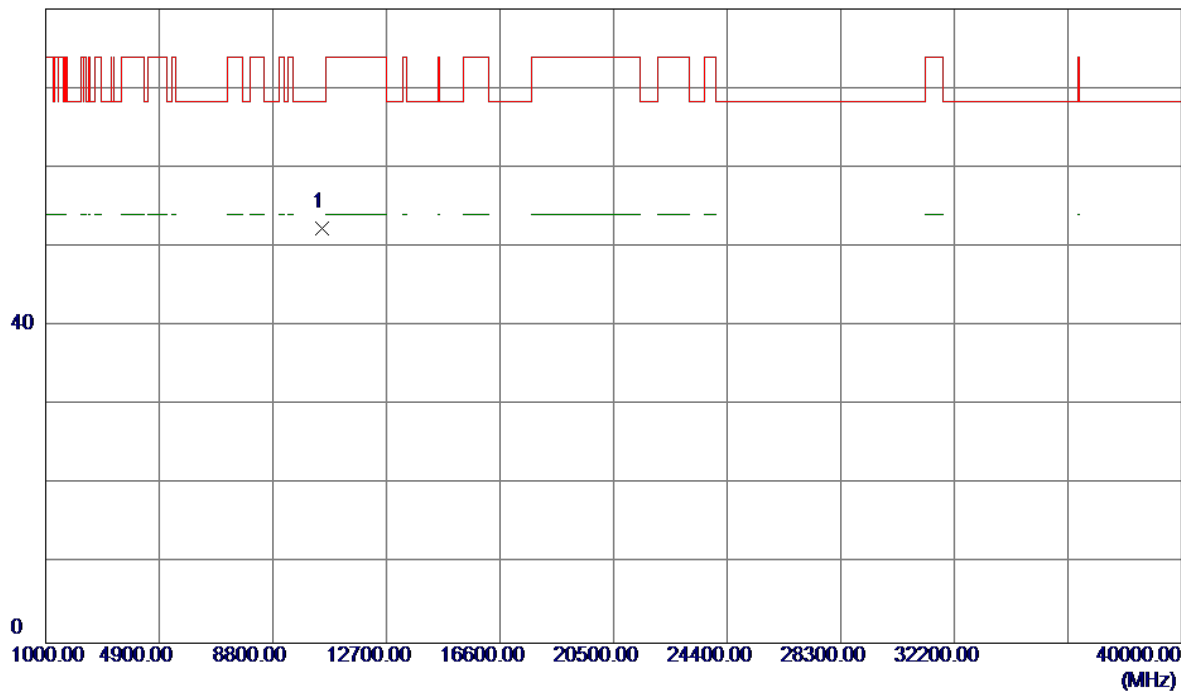


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5233.2000	67.19	41.52	108.71	68.30	40.41	Peak	No Limit
2 *	5242.7000	56.12	41.57	97.69	54.00	43.69	AVG	No Limit

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

Vertical

80 dBuV/m

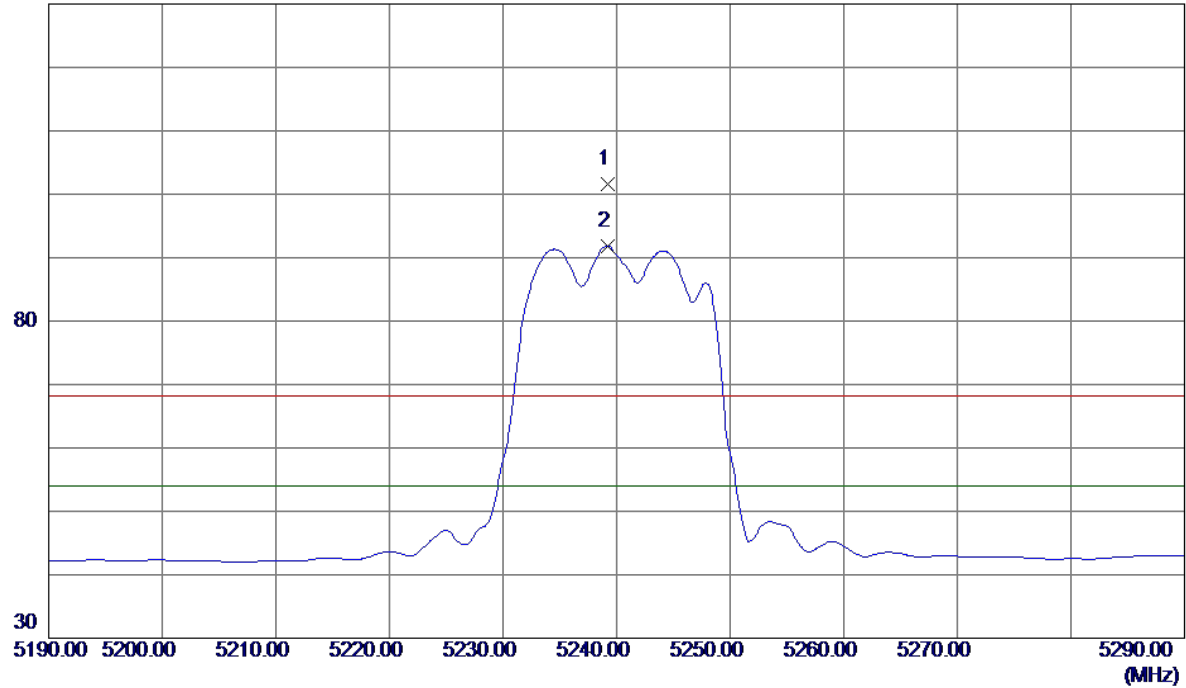


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10480.7600	35.75	16.65	52.40	68.30	-15.90	Peak	

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

Horizontal

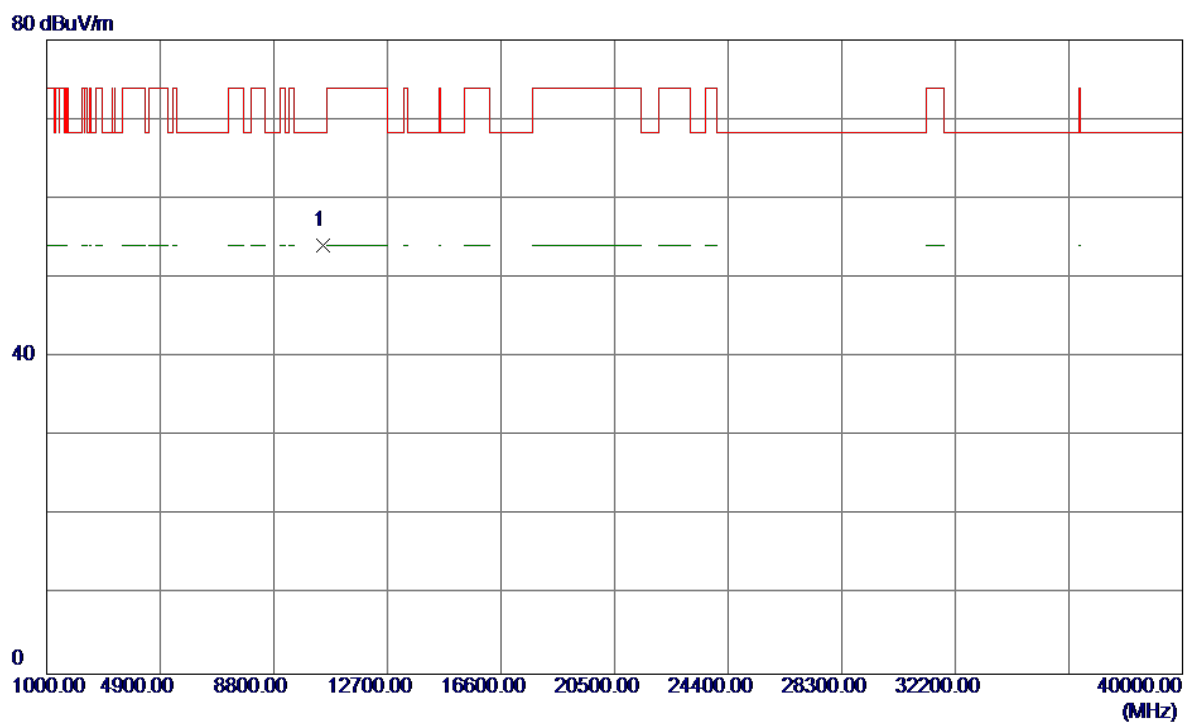
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5239.2000	60.13	41.56	101.69	68.30	33.39	Peak	No Limit
2 *	5239.2000	50.27	41.56	91.83	54.00	37.83	AVG	No Limit

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

Horizontal

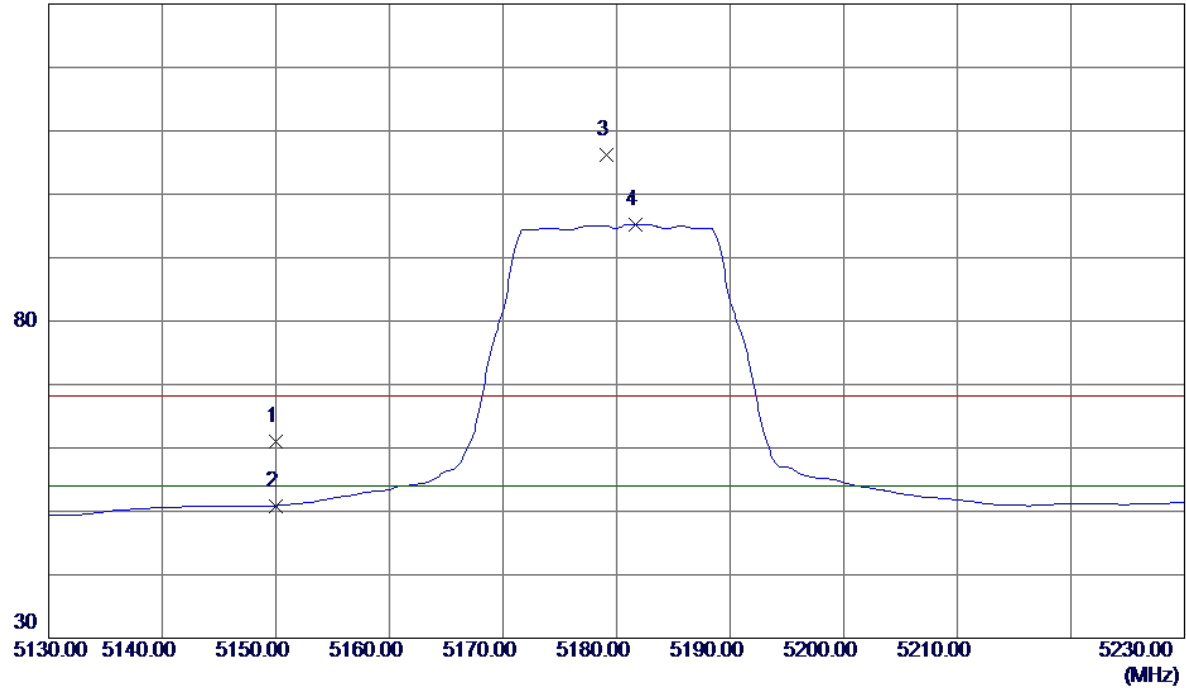


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10476.2000	37.47	16.64	54.11	68.30	-14.19	Peak	

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

Vertical

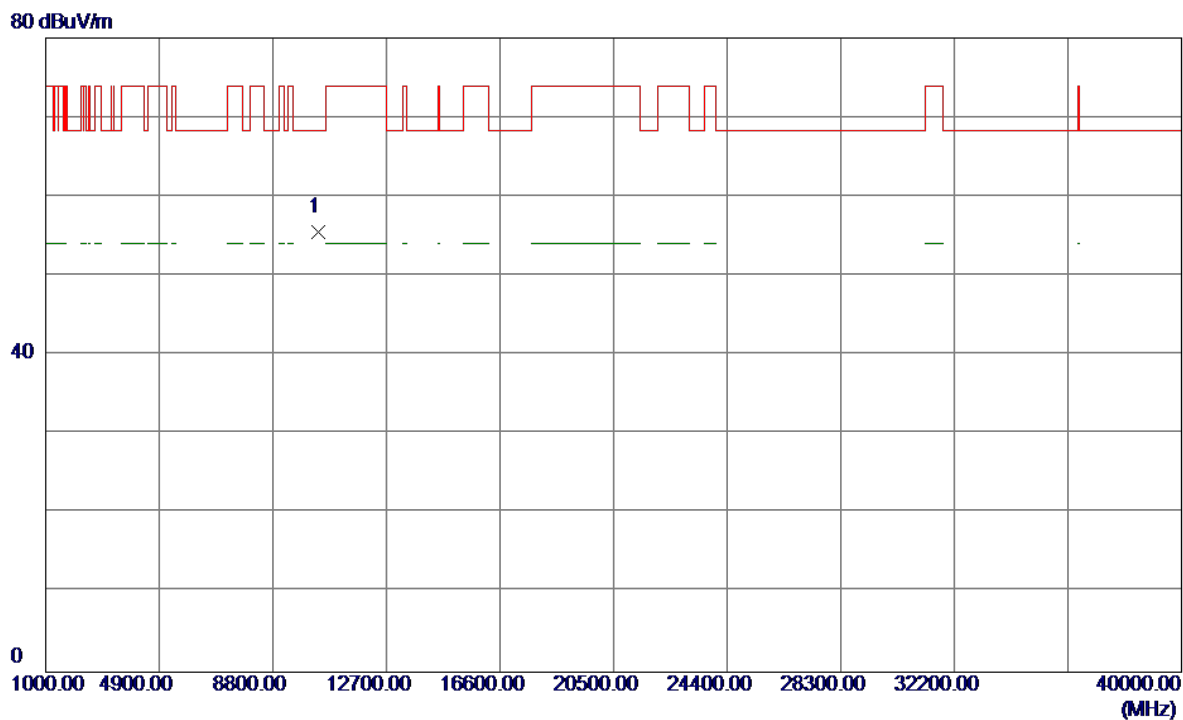
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	19.92	41.10	61.02	68.30	-7.28	Peak	
2	5150.0000	9.79	41.10	50.89	54.00	-3.11	AVG	
3	5179.1000	65.01	41.25	106.26	68.30	37.96	Peak	No Limit
4 *	5181.7000	54.03	41.26	95.29	54.00	41.29	AVG	No Limit

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

Vertical

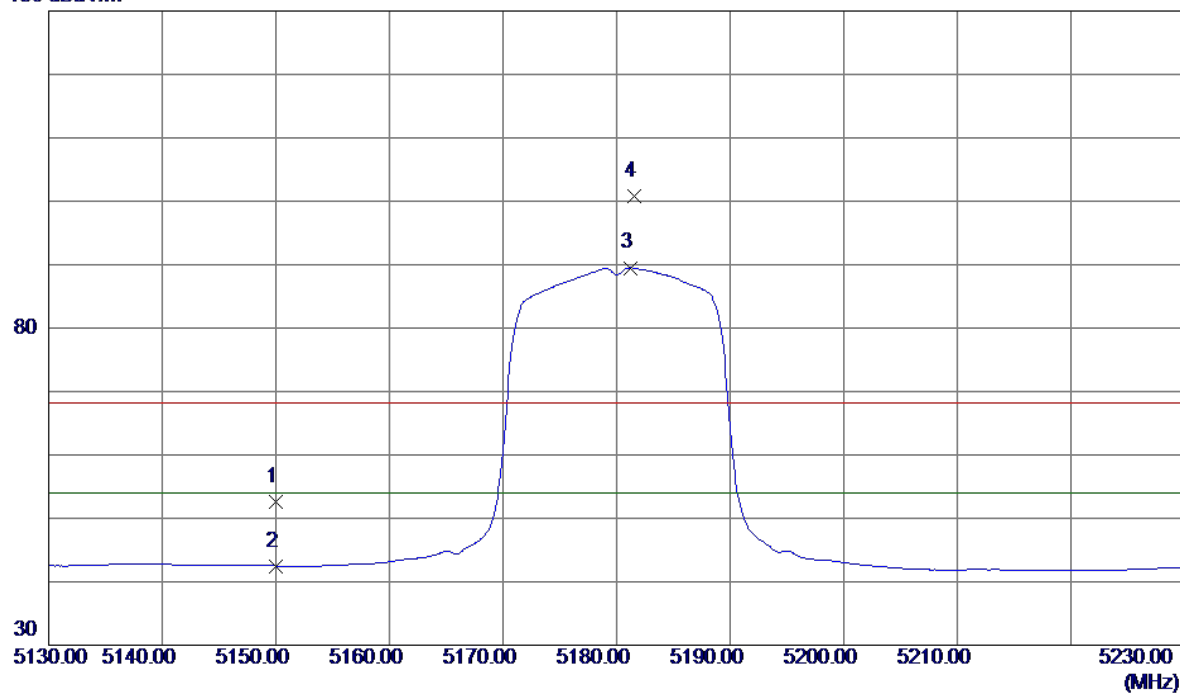


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10357.6400	39.24	16.32	55.56	68.30	-12.74	Peak	

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

Horizontal

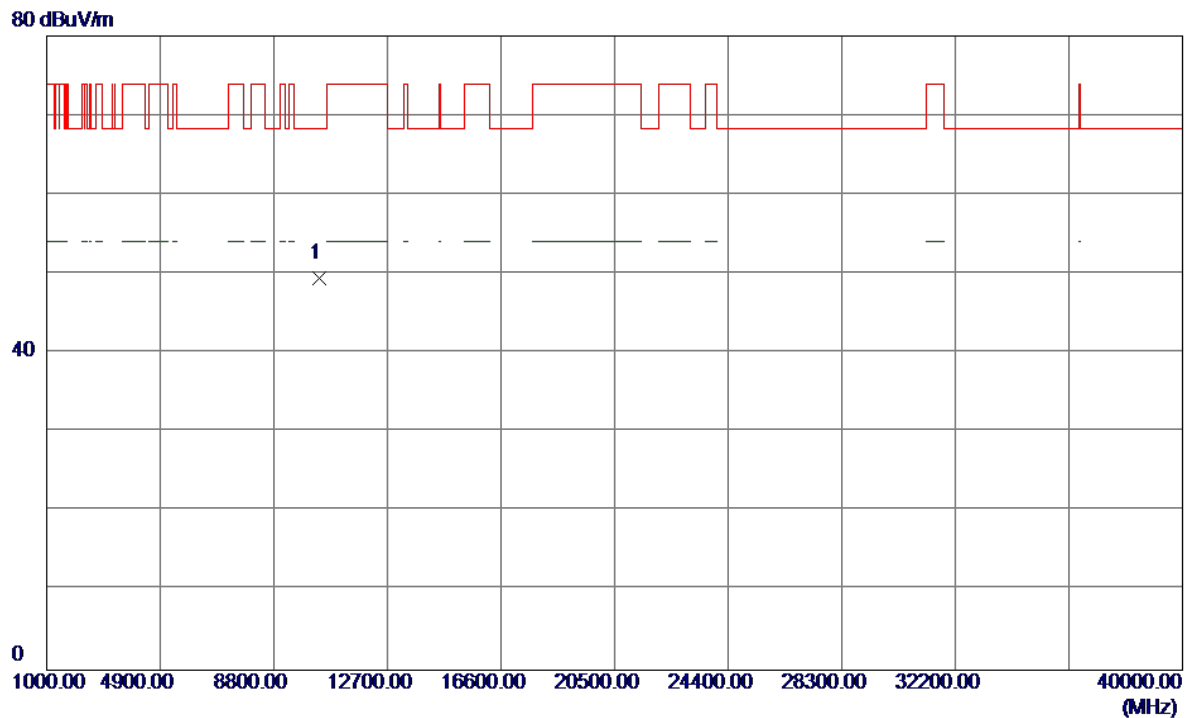
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	11.56	41.10	52.66	68.30	-15.64	Peak	
2	5150.0000	1.39	41.10	42.49	54.00	-11.51	AVG	
3 *	5181.2000	48.24	41.26	89.50	54.00	35.50	AVG	No Limit
4	5181.6000	59.56	41.26	100.82	68.30	32.52	Peak	No Limit

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

Horizontal

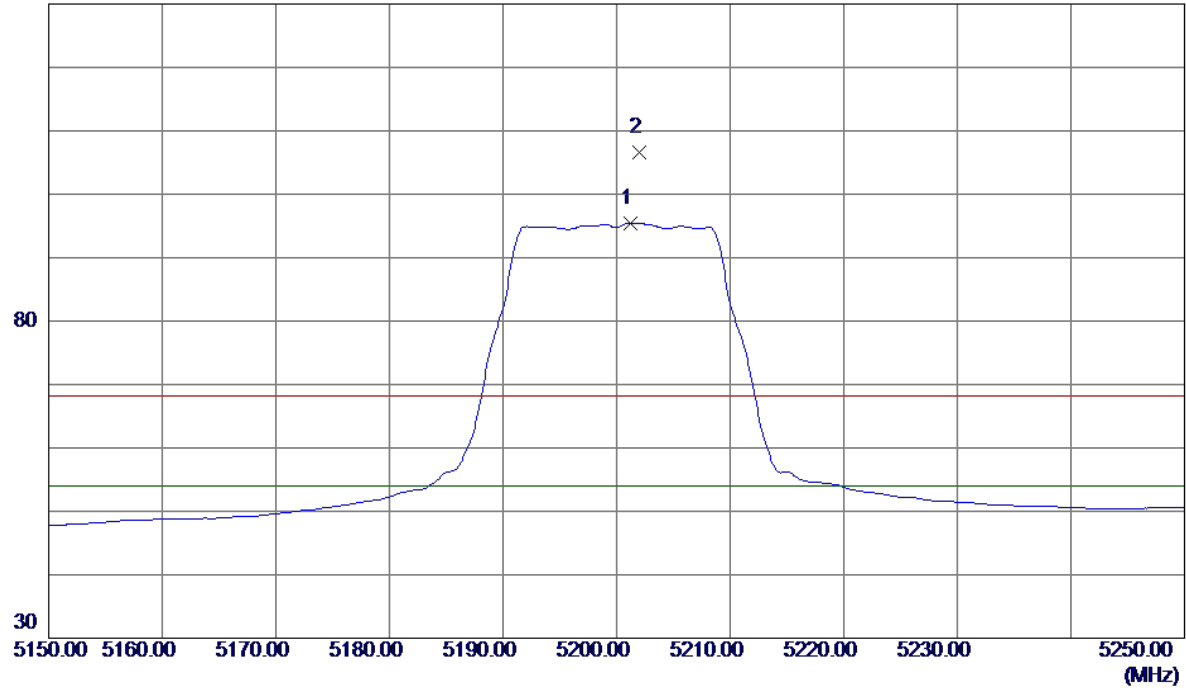


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10359.8800	33.07	16.33	49.40	68.30	-18.90	Peak	

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

Vertical

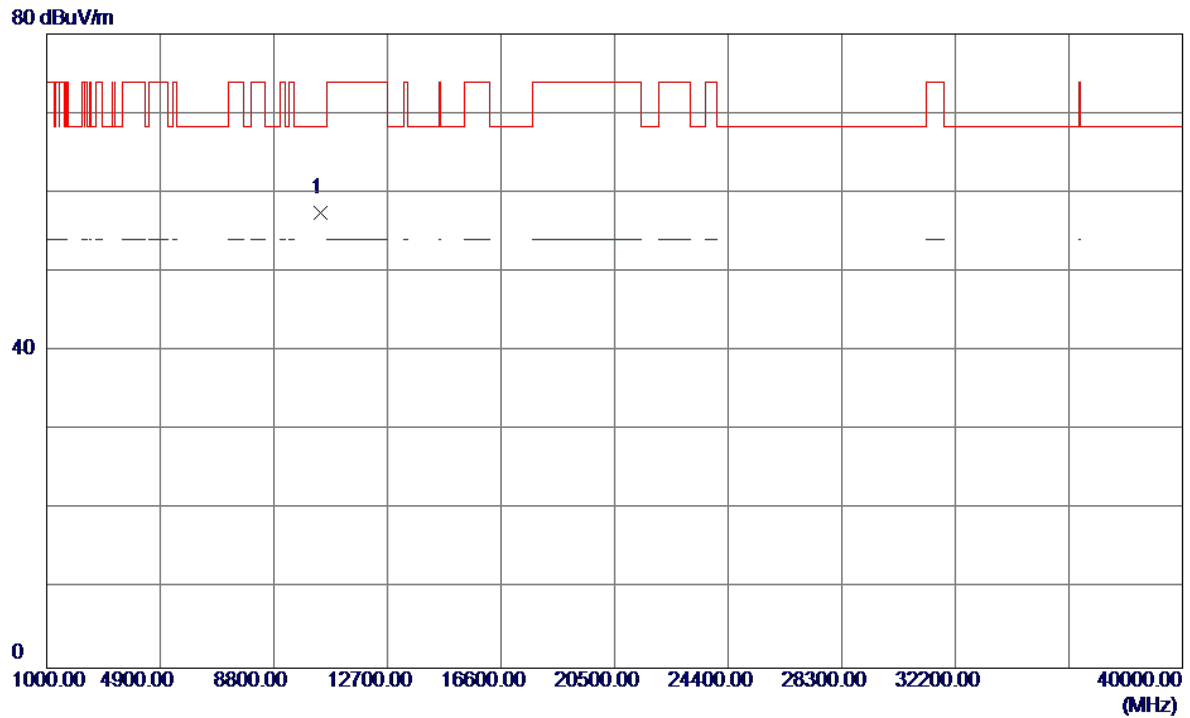
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5201.2000	54.05	41.36	95.41	54.00	41.41	AVG	No Limit
2	5202.0000	65.20	41.37	106.57	68.30	38.27	Peak	No Limit

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

Vertical

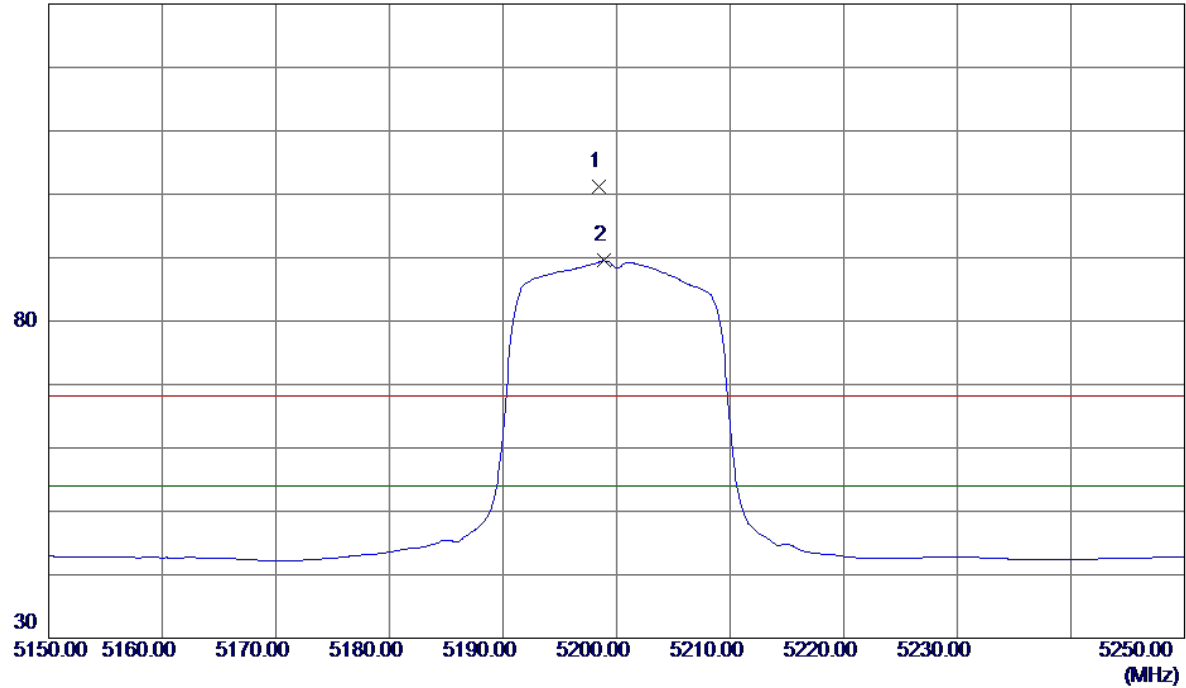


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10396.9600	40.99	16.43	57.42	68.30	-10.88	Peak	

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

Horizontal

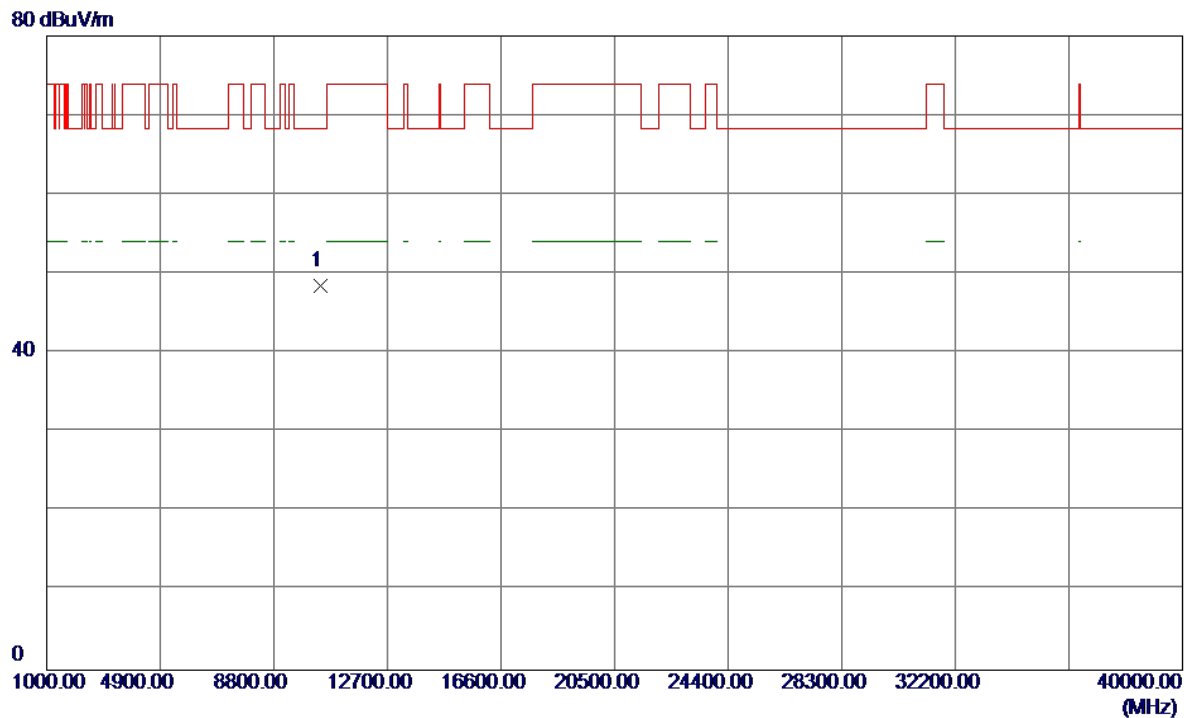
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5198.4000	59.83	41.35	101.18	68.30	32.88	Peak	No Limit
2 *	5198.9000	48.16	41.35	89.51	54.00	35.51	AVG	No Limit

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

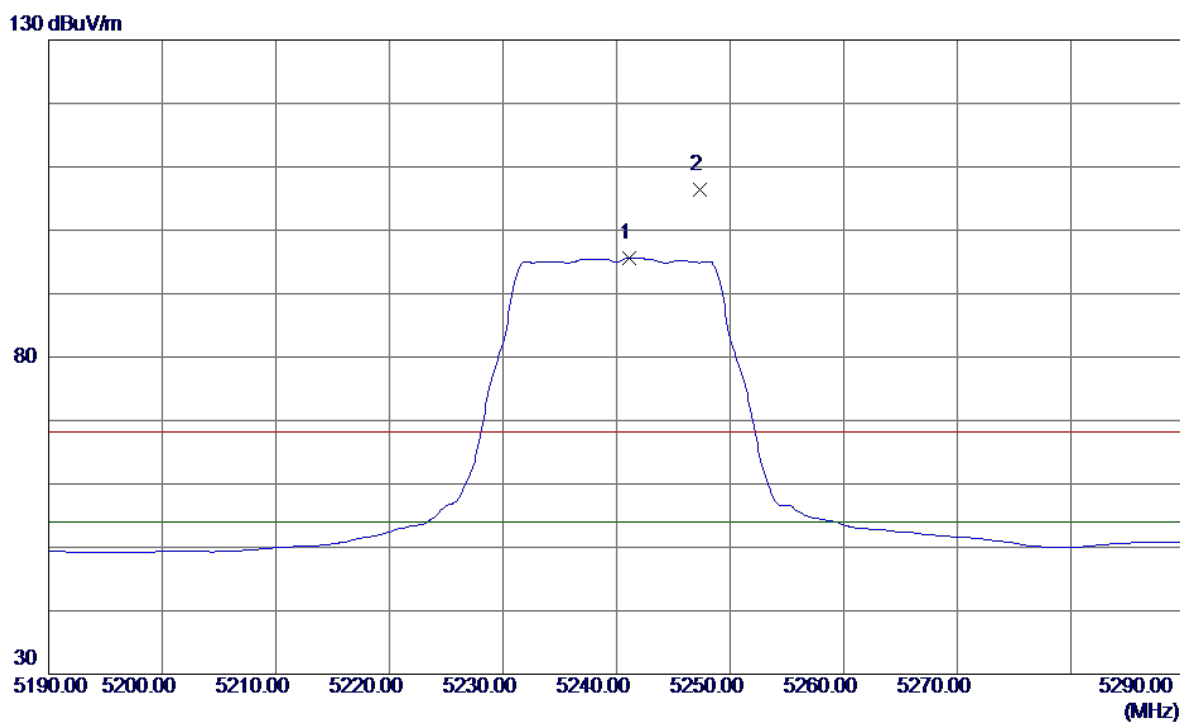
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10399.7600	32.09	16.44	48.53	68.30	-19.77	Peak	

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

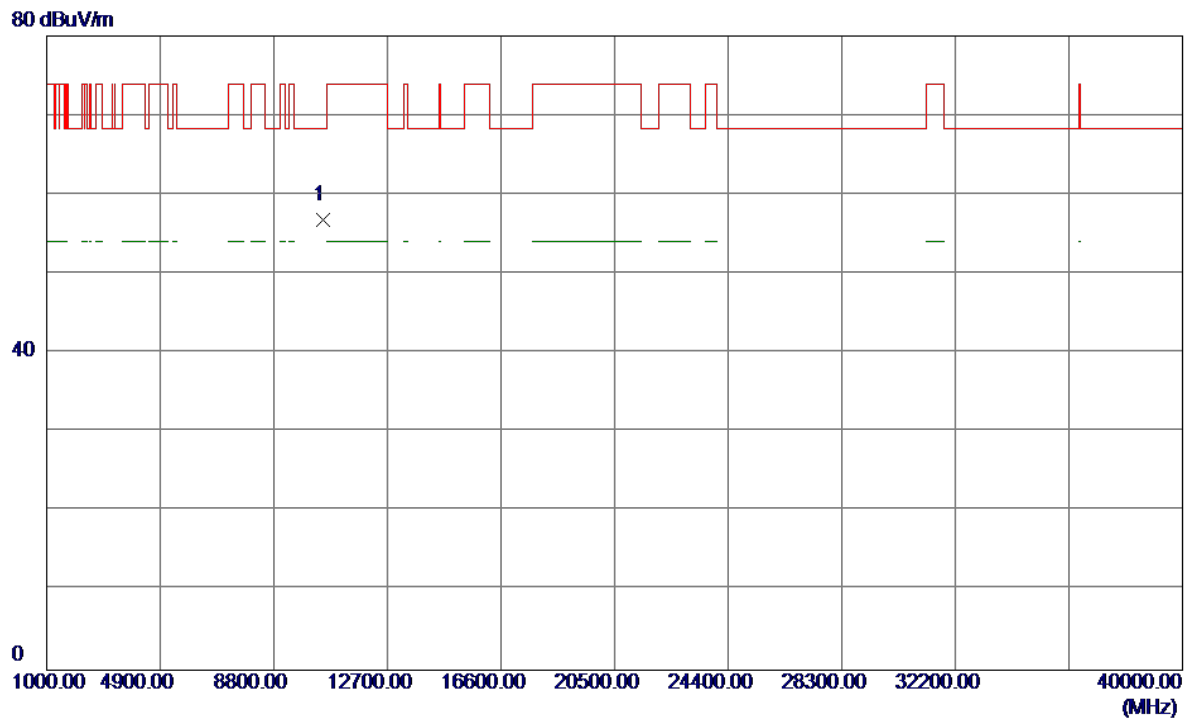
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5241.1000	54.02	41.56	95.58	54.00	41.58	AVG	No Limit
2	5247.3000	64.85	41.60	106.45	68.30	38.15	Peak	No Limit

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

Vertical

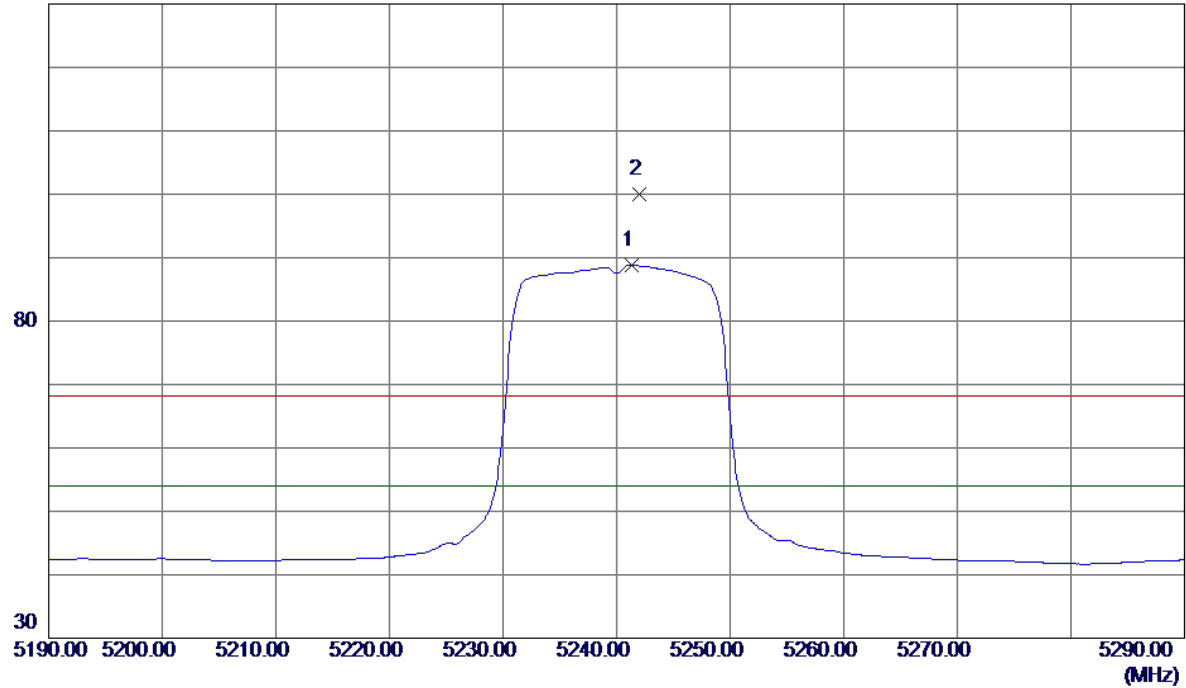


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10482.6000	40.08	16.66	56.74	68.30	-11.56	Peak	

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

Horizontal

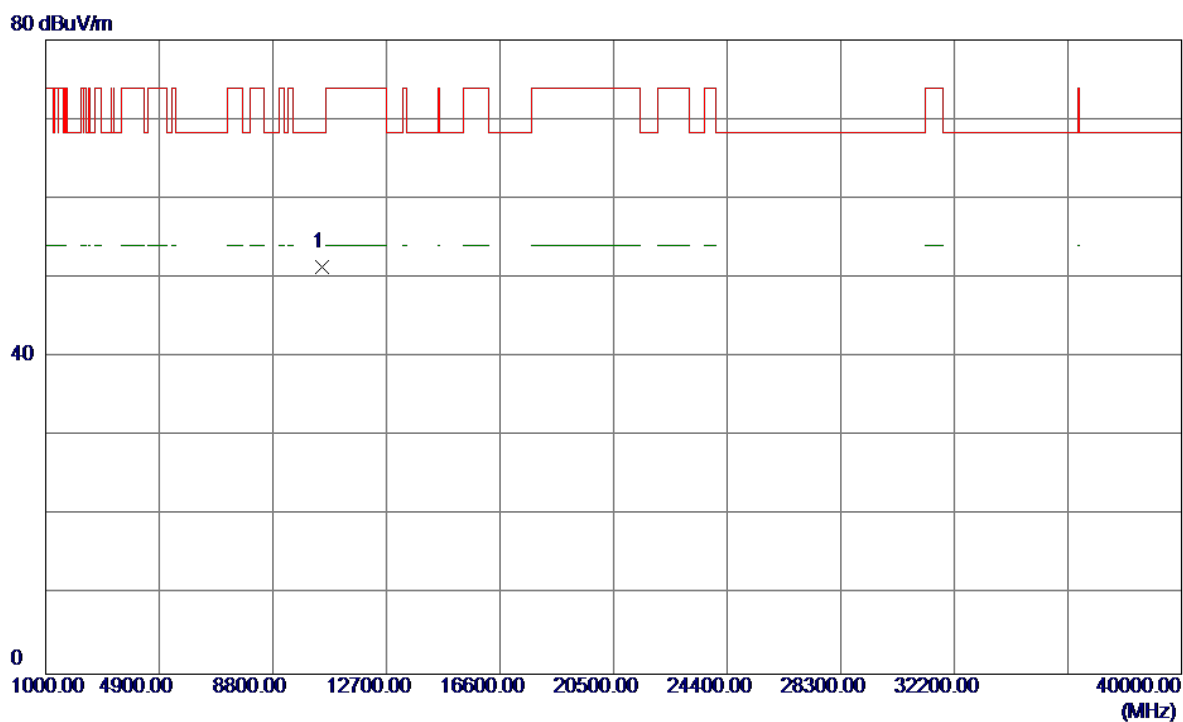
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5241.3000	47.29	41.57	88.86	54.00	34.86	AVG	No Limit
2	5242.0000	58.53	41.57	100.10	68.30	31.80	Peak	No Limit

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

Horizontal

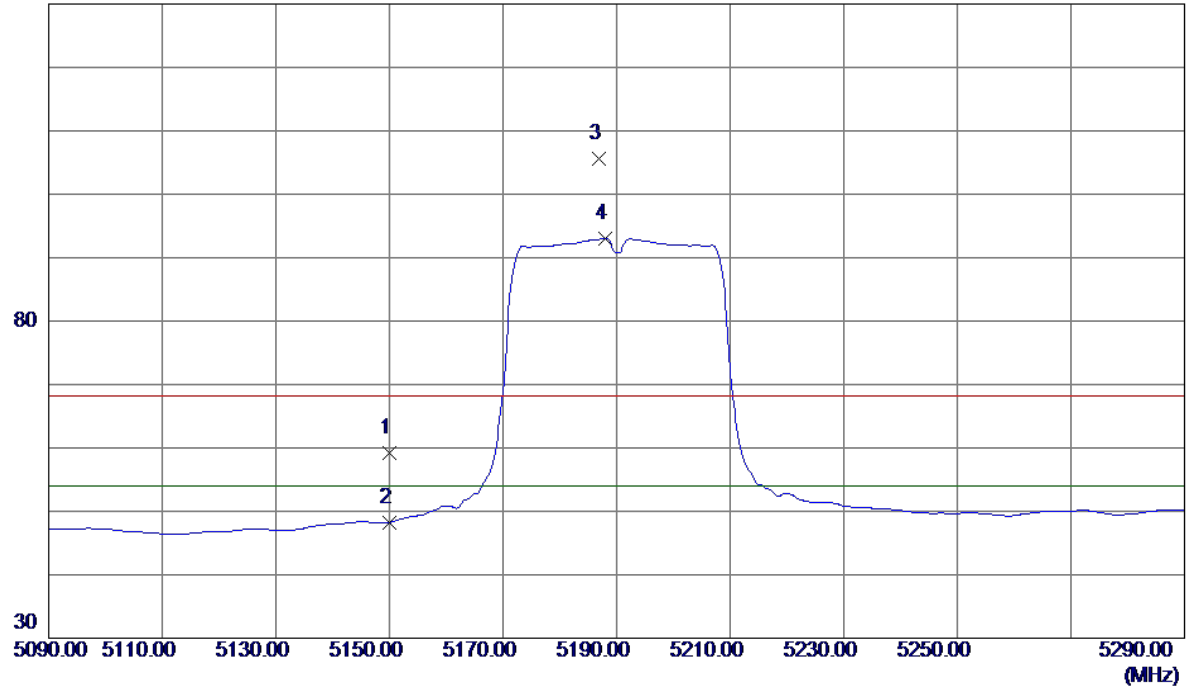


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10481.2000	34.74	16.65	51.39	68.30	-16.91	Peak	

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

Vertical

130 dBuV/m

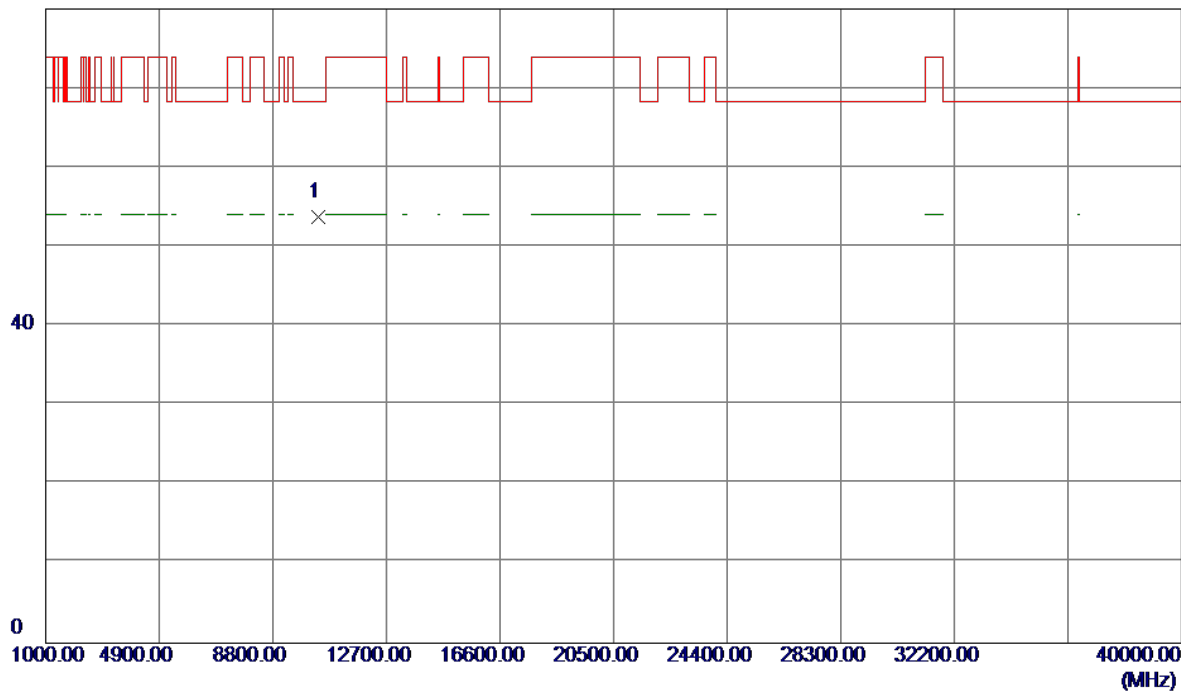


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	18.14	41.10	59.24	68.30	-9.06	Peak	
2	5150.0000	7.16	41.10	48.26	54.00	-5.74	AVG	
3	5186.8000	64.38	41.29	105.67	68.30	37.37	Peak	No Limit
4 *	5188.0000	51.68	41.29	92.97	54.00	38.97	AVG	No Limit

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

Vertical

80 dBuV/m

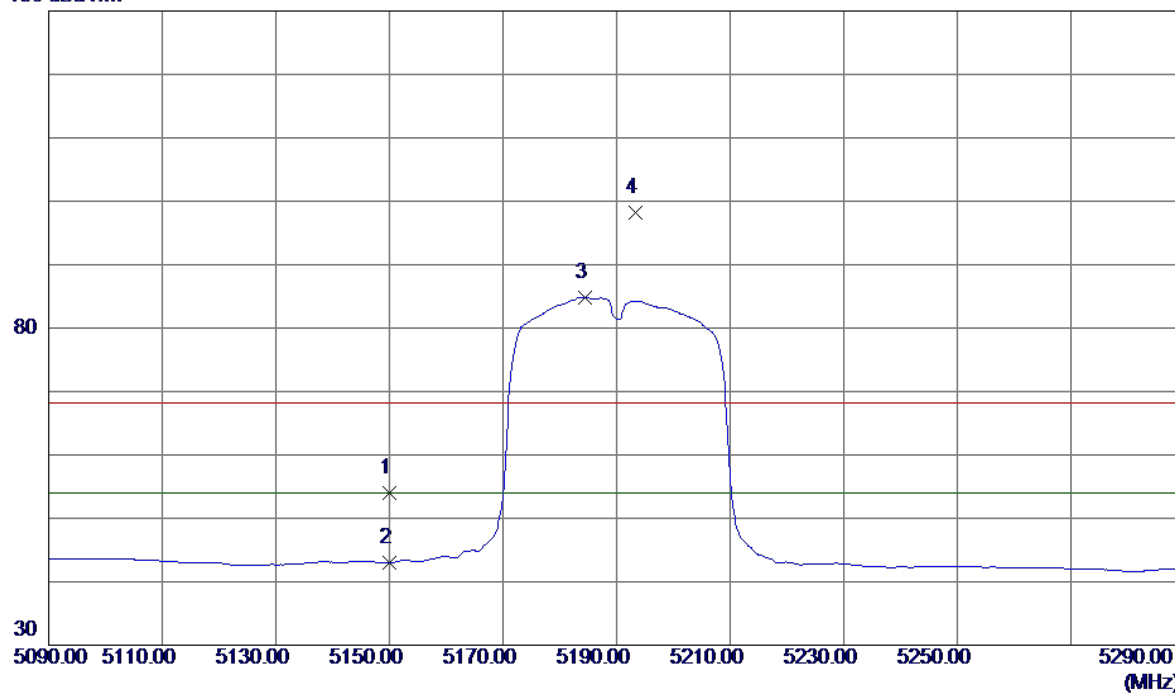


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10379.6000	37.33	16.38	53.71	68.30	-14.59	Peak	

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

Horizontal

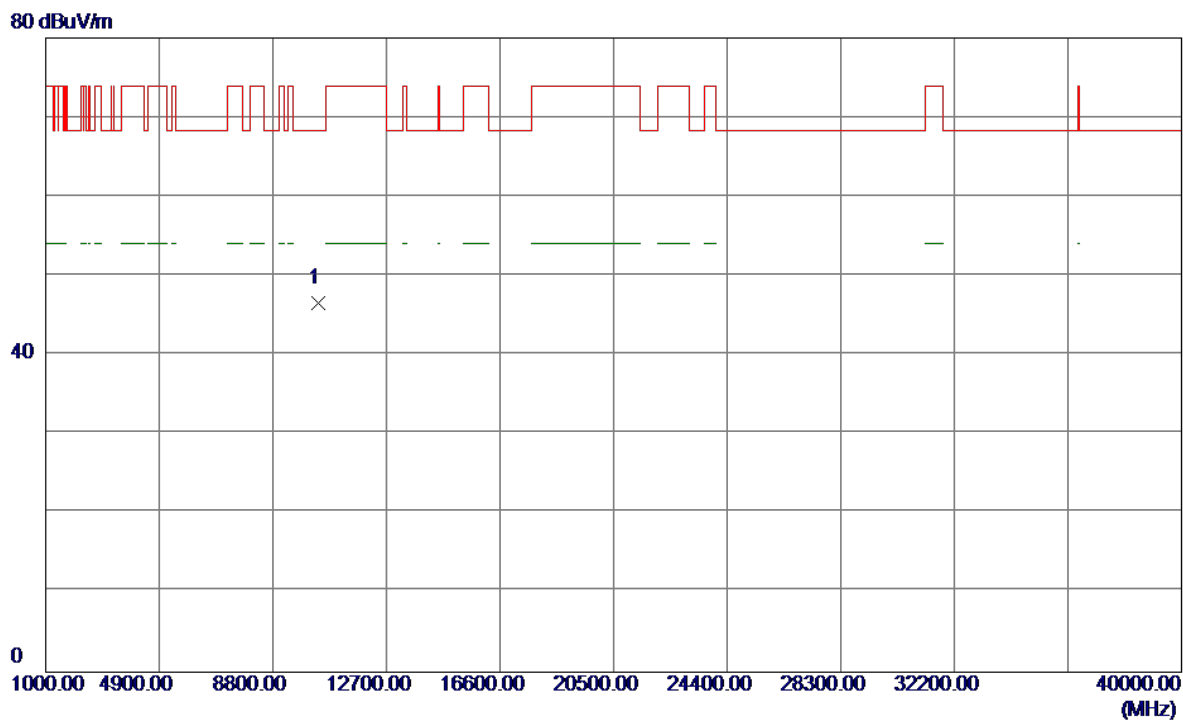
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	12.86	41.10	53.96	68.30	-14.34	Peak	
2	5150.0000	1.91	41.10	43.01	54.00	-10.99	AVG	
3 *	5184.4000	43.53	41.28	84.81	54.00	30.81	AVG	No Limit
4	5193.4000	56.96	41.32	98.28	68.30	29.98	Peak	No Limit

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

Horizontal

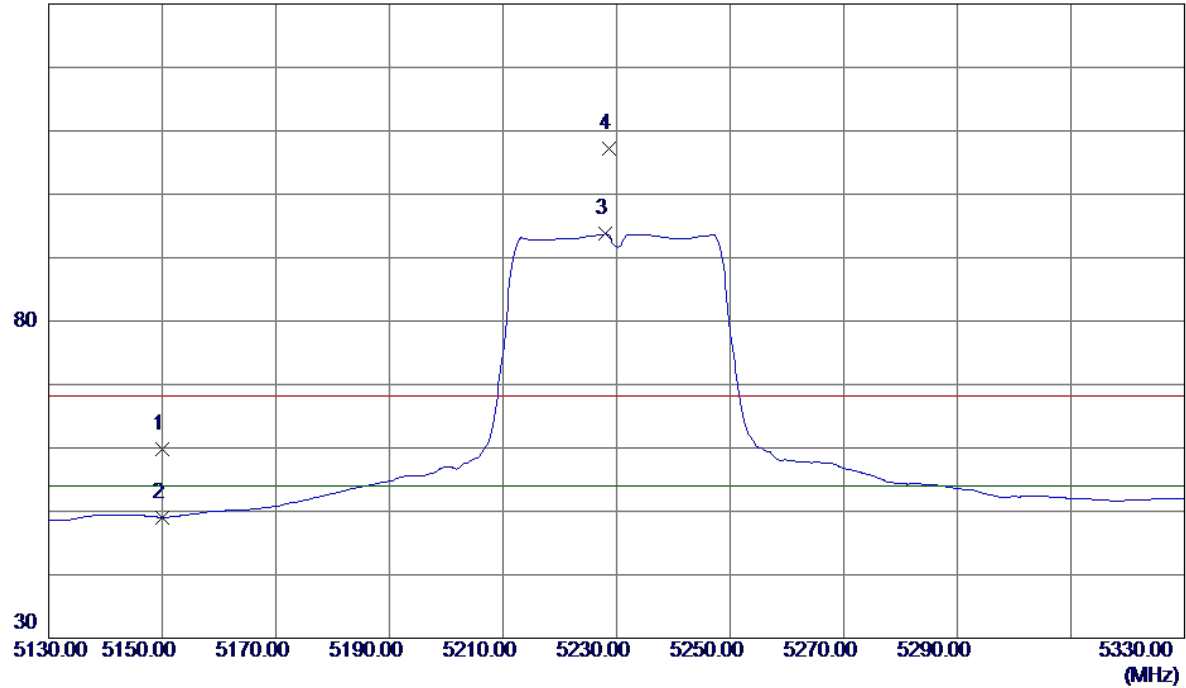


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10374.3400	30.14	16.37	46.51	68.30	-21.79	Peak	

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

Vertical

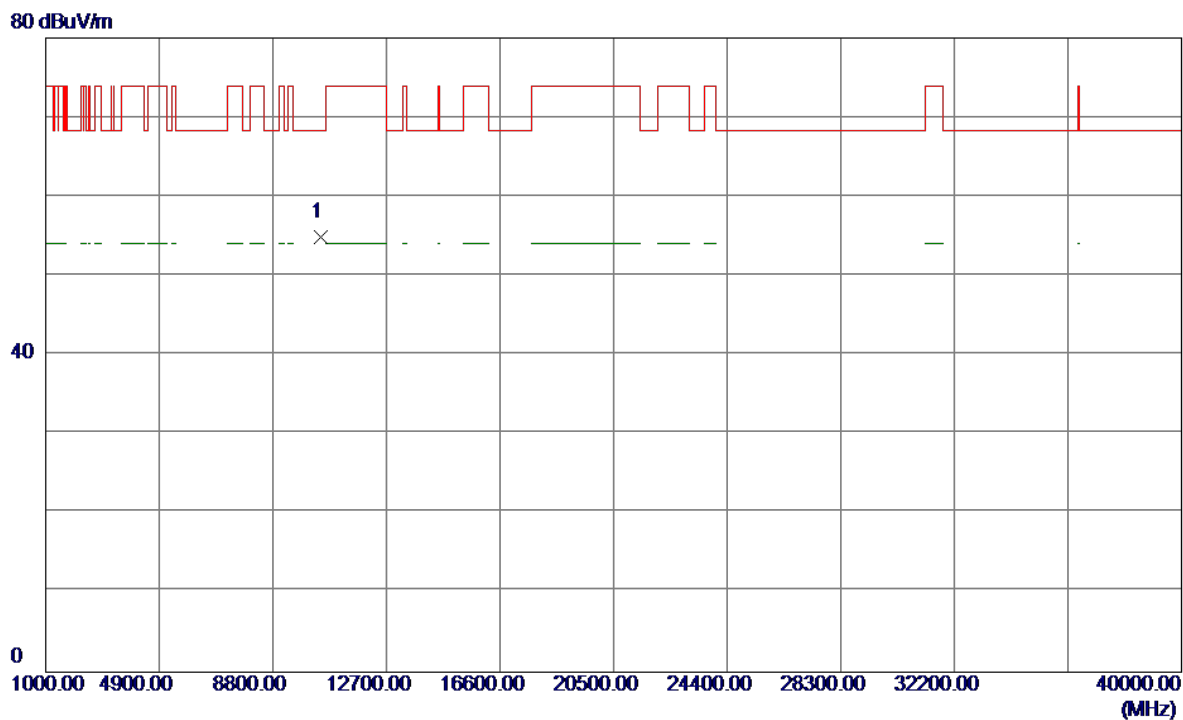
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	18.73	41.10	59.83	68.30	-8.47	Peak	
2	5150.0000	7.94	41.10	49.04	54.00	-4.96	AVG	
3 *	5228.0000	52.22	41.50	93.72	54.00	39.72	AVG	No Limit
4	5228.6000	65.62	41.50	107.12	68.30	38.82	Peak	No Limit

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

Vertical

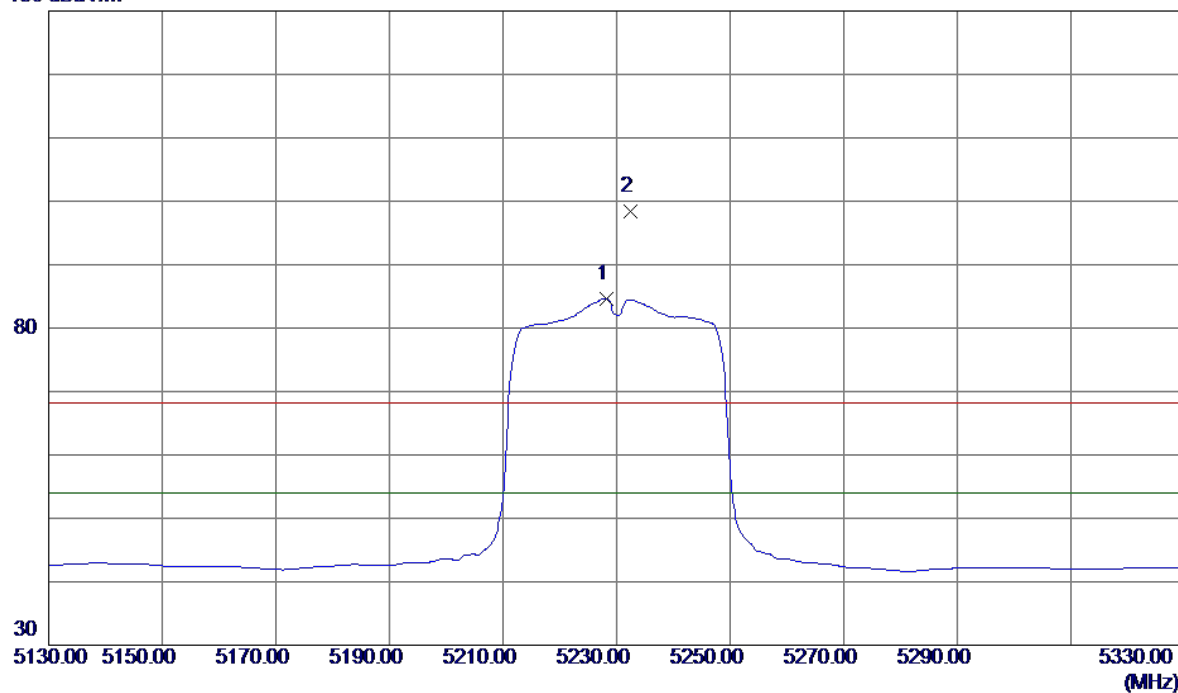


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10458.0000	38.24	16.59	54.83	68.30	-13.47	Peak	

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

Horizontal

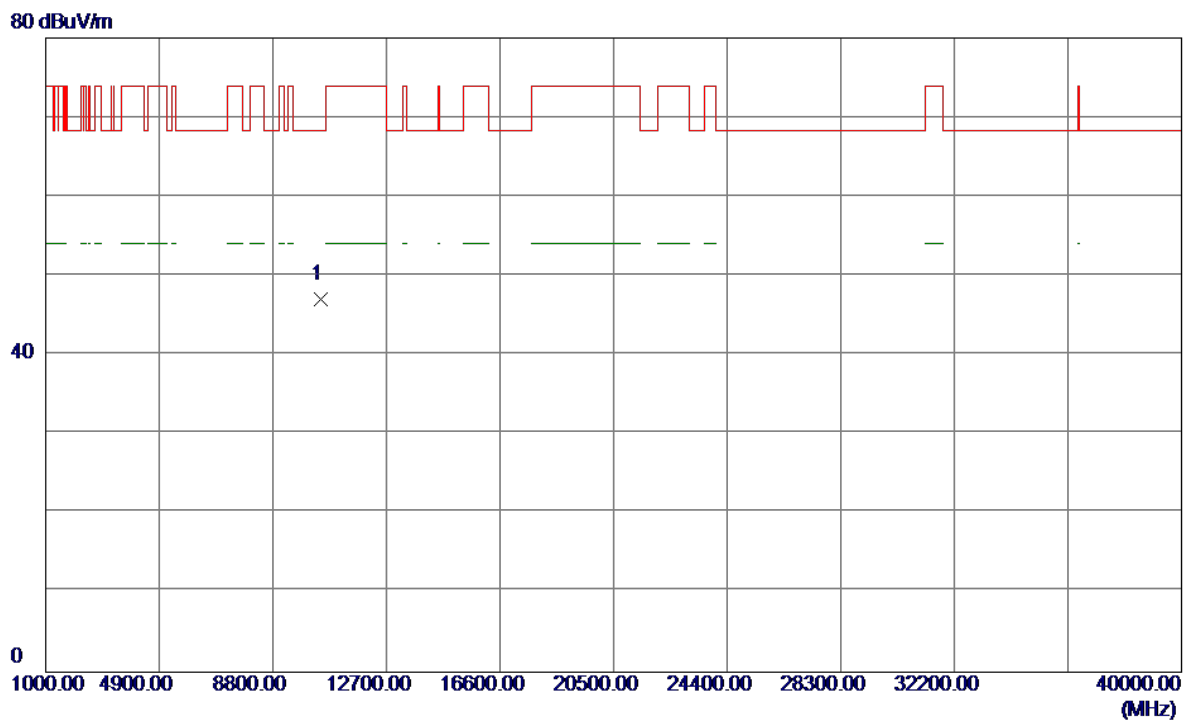
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5228.2000	43.09	41.50	84.59	54.00	30.59	AVG	No Limit
2	5232.4000	56.91	41.52	98.43	68.30	30.13	Peak	No Limit

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

Horizontal

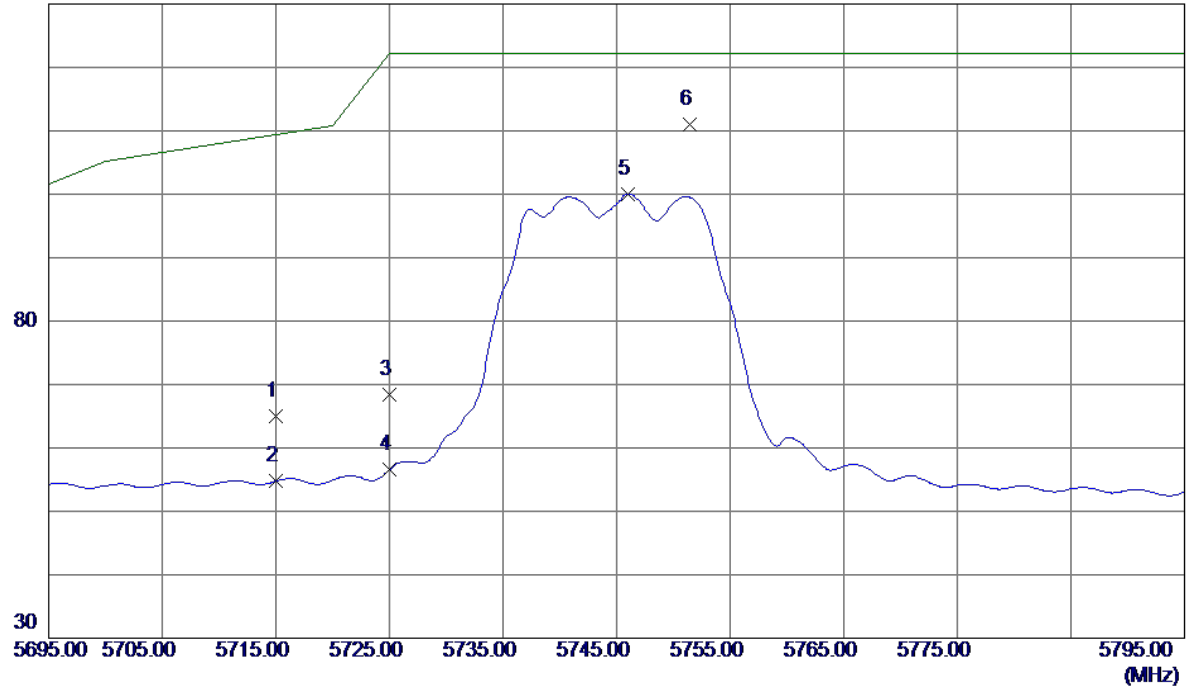


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10462.8000	30.43	16.61	47.04	68.30	-21.26	Peak	

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

Vertical

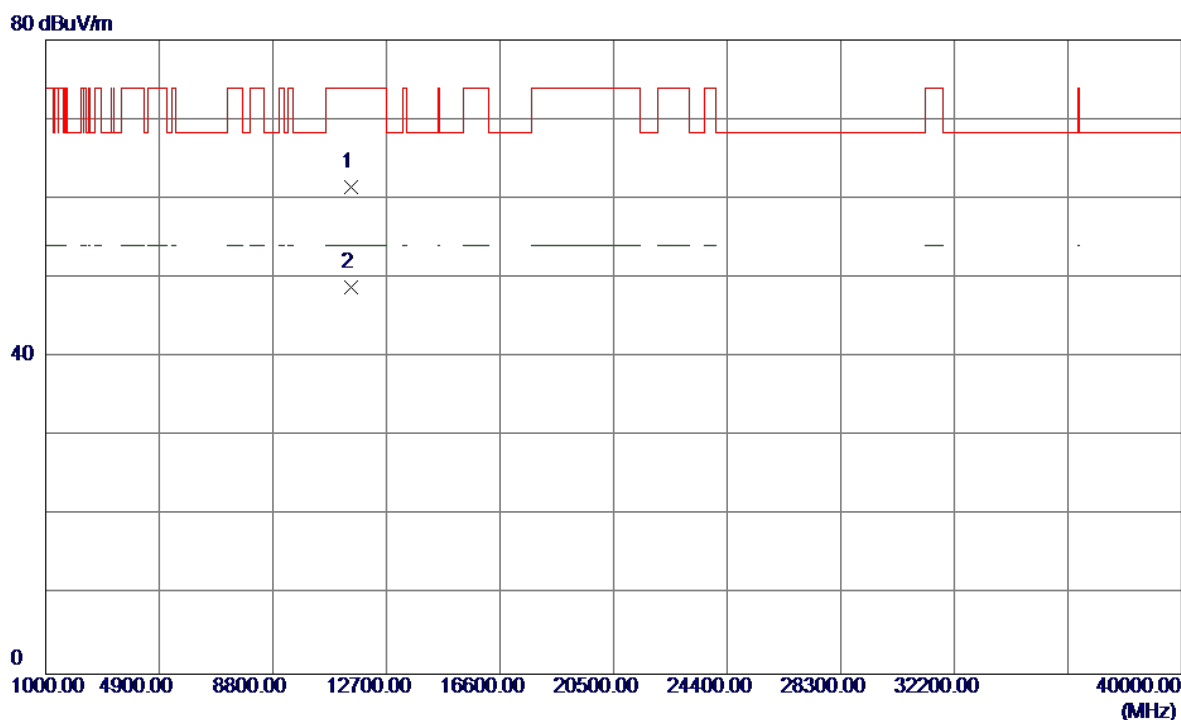
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	21.47	43.53	65.00	109.40	-44.40	Peak	
2	5715.0000	11.24	43.53	54.77	109.40	-54.63	AVG	
3	5725.0000	24.80	43.56	68.36	122.20	-53.84	Peak	
4	5725.0000	12.97	43.56	56.53	122.20	-65.67	AVG	
5	5746.0000	56.38	43.62	100.00	122.20	-22.20	AVG	
6 *	5751.4000	67.39	43.64	111.03	122.20	-11.17	Peak	

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

Vertical

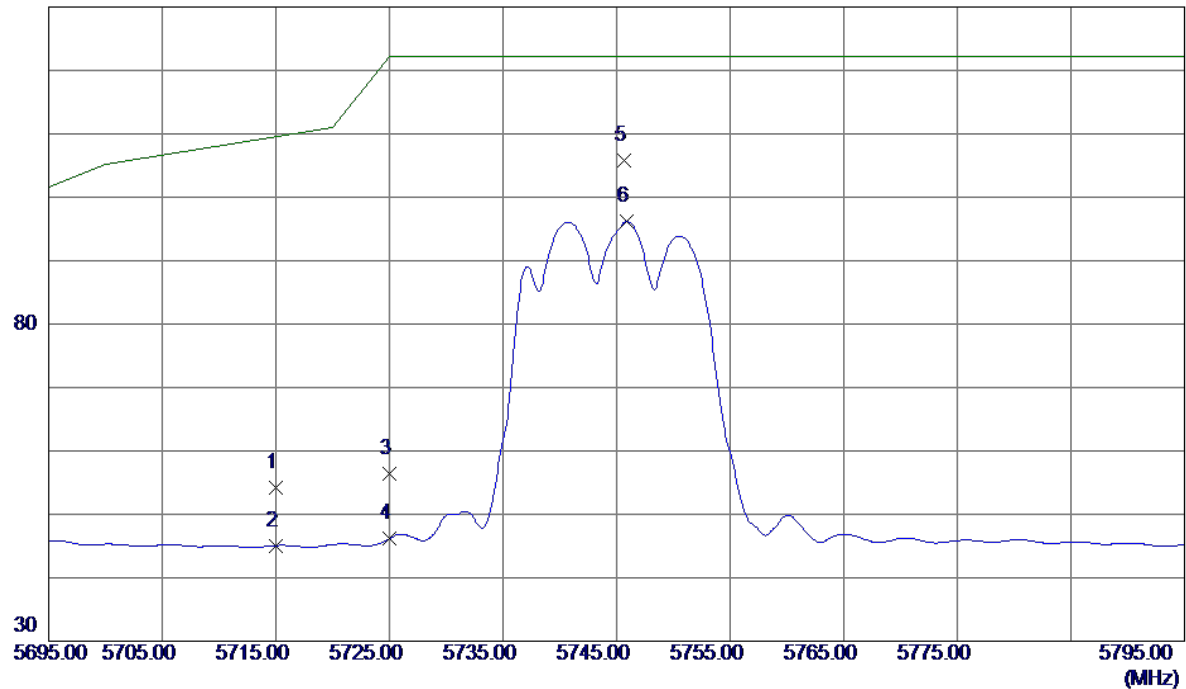


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11492.0199	43.68	17.76	61.44	74.00	-12.56	Peak	
2 *	11492.0199	31.08	17.76	48.84	54.00	-5.16	AVG	

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

Horizontal

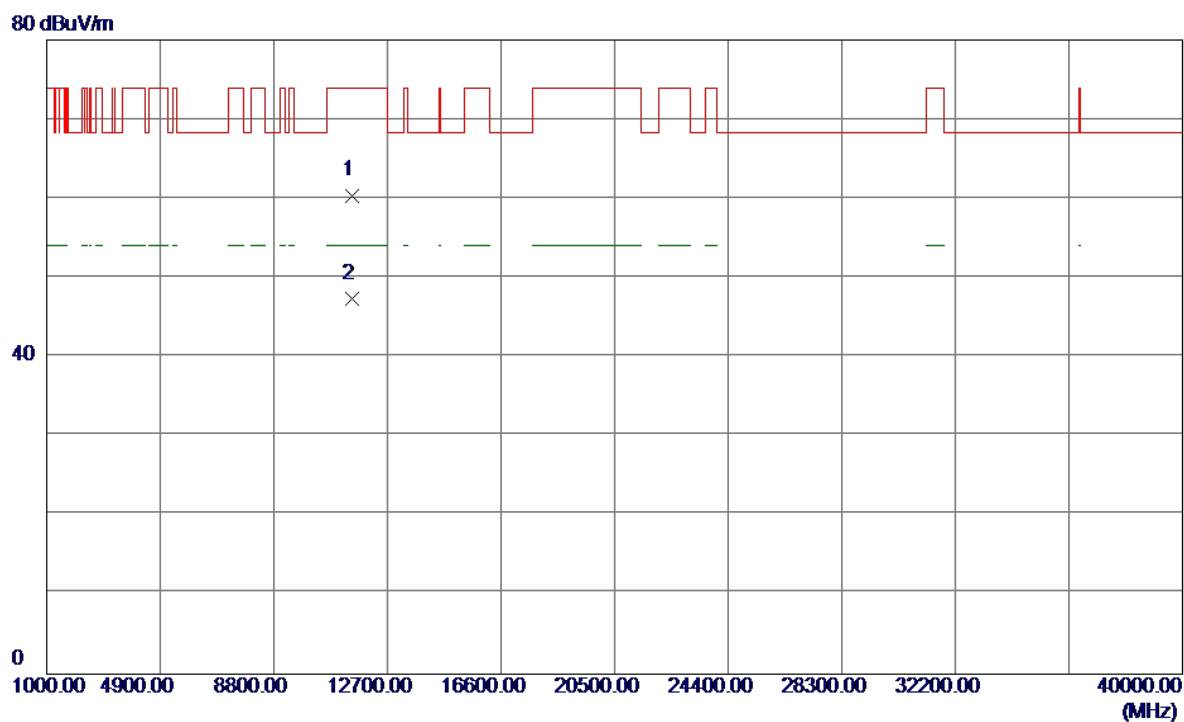
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	10.68	43.53	54.21	109.50	-55.29	Peak	
2	5715.0000	1.55	43.53	45.08	109.50	-64.42	AVG	
3	5725.0000	12.76	43.56	56.32	122.30	-65.98	Peak	
4	5725.0000	2.59	43.56	46.15	122.30	-76.15	AVG	
5 *	5745.7000	62.18	43.62	105.80	122.30	-16.50	Peak	
6	5745.9000	52.51	43.62	96.13	122.30	-26.17	AVG	

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

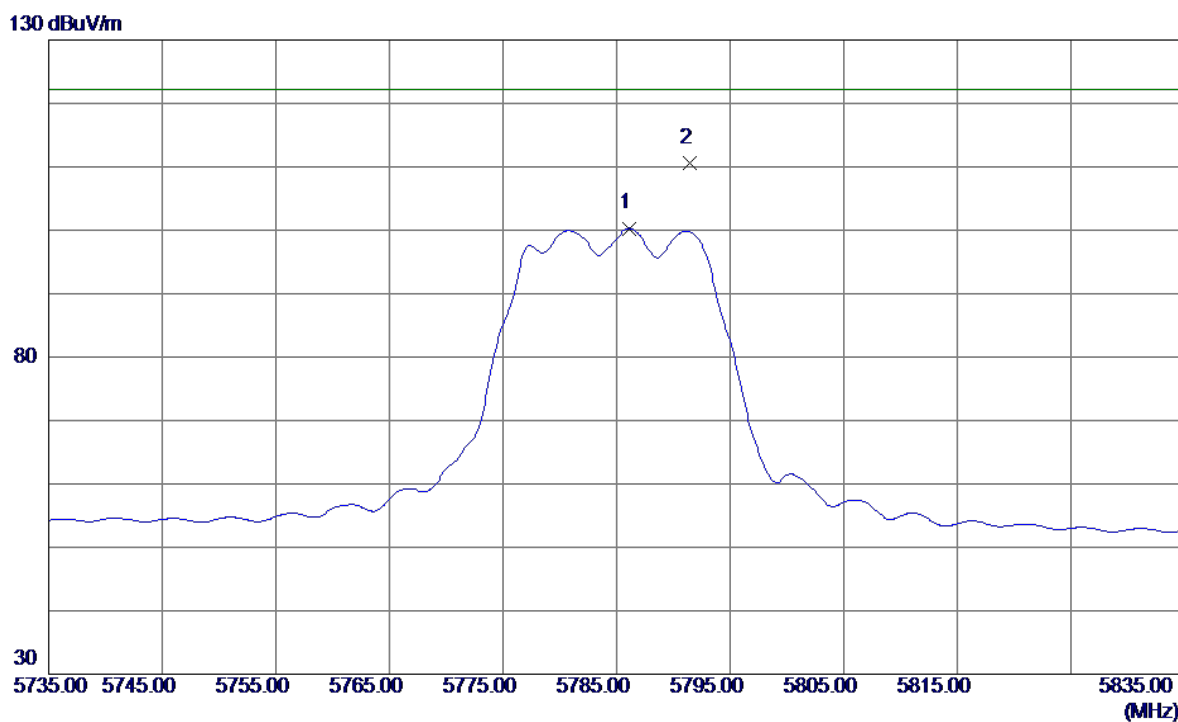
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11491.7200	42.64	17.76	60.40	74.00	-13.60	Peak	
2 *	11491.9800	29.55	17.76	47.31	54.00	-6.69	AVG	

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

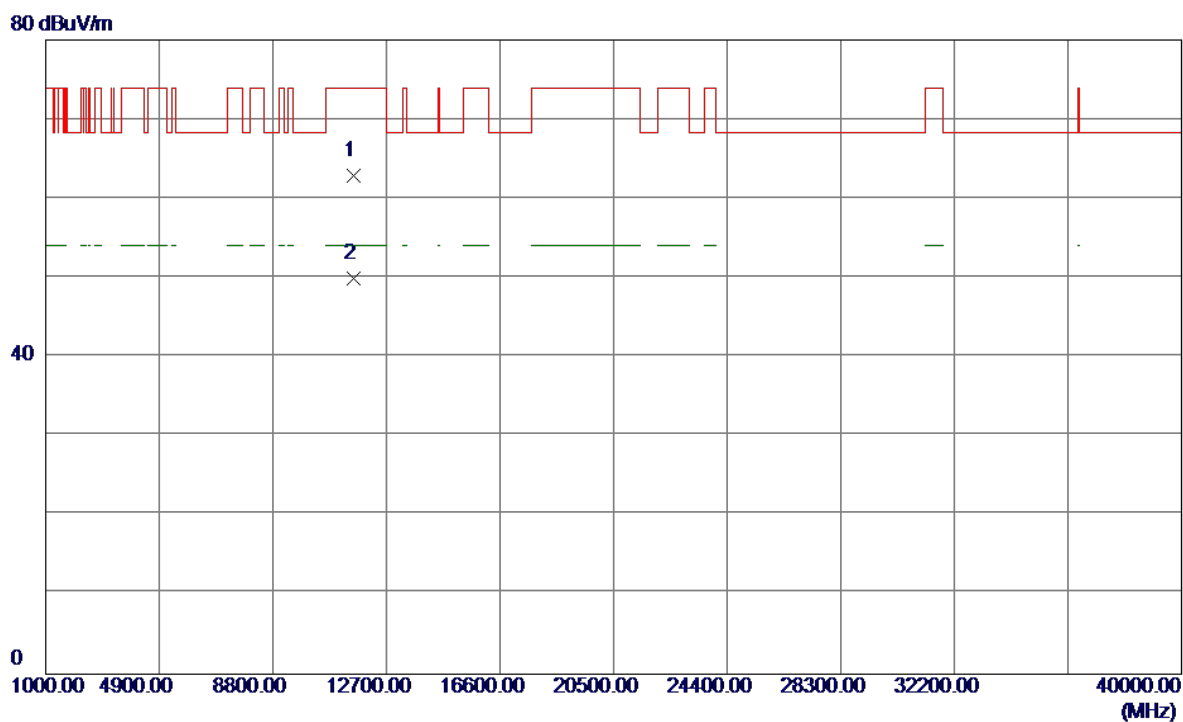
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5786.1000	56.56	43.74	100.30	122.20	-21.90	AVG	
2 *	5791.4000	66.85	43.76	110.61	122.20	-11.59	Peak	

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

Vertical

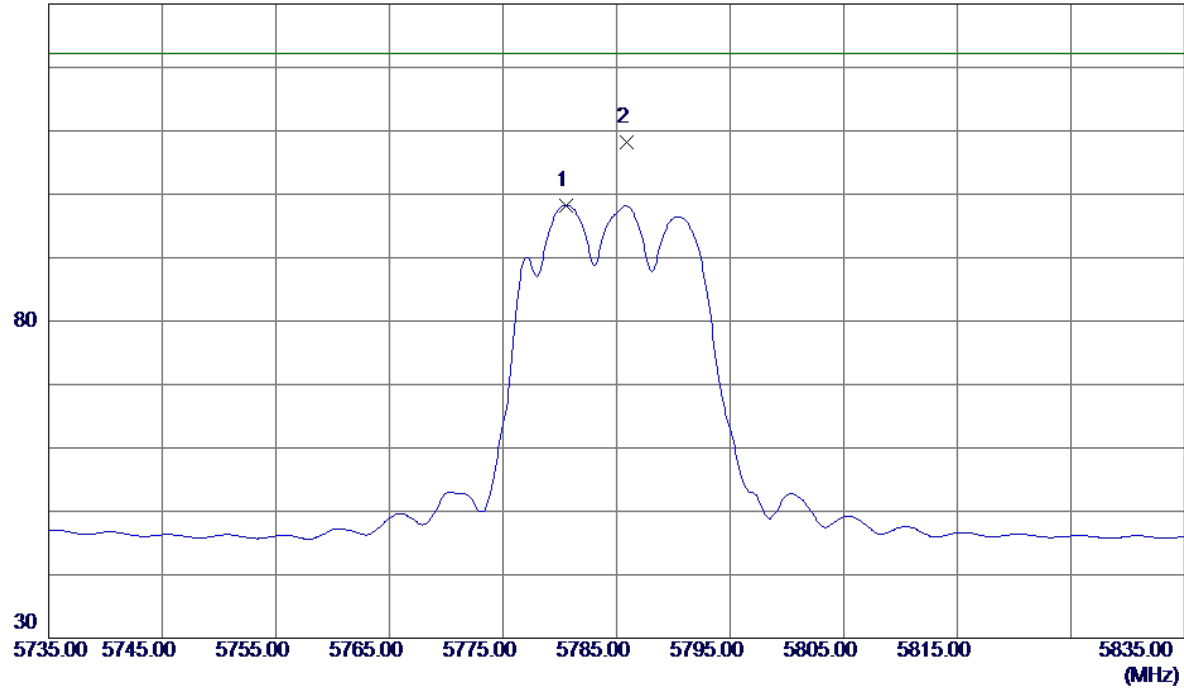


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11572.1400	45.02	17.82	62.84	74.00	-11.16	Peak	
2 *	11572.1600	32.14	17.82	49.96	54.00	-4.04	AVG	

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

Horizontal

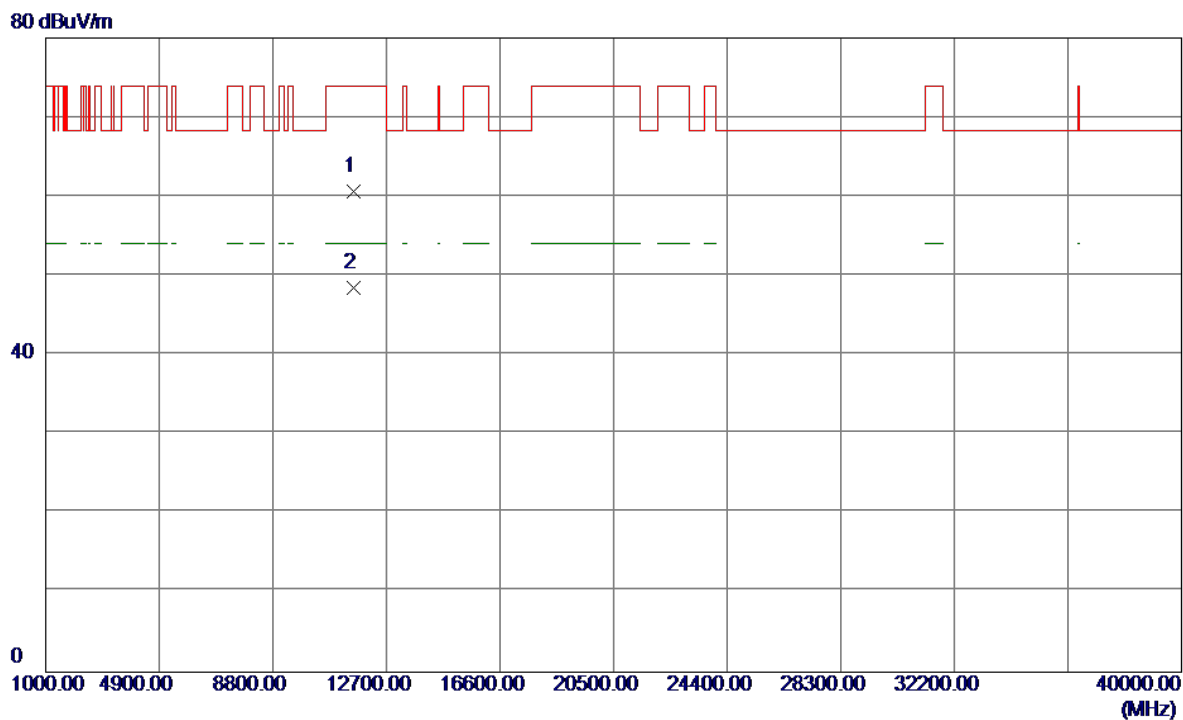
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5780.6000	54.55	43.73	98.28	122.20	-23.92	AVG	
2 *	5785.9000	64.53	43.74	108.27	122.20	-13.93	Peak	

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

Horizontal

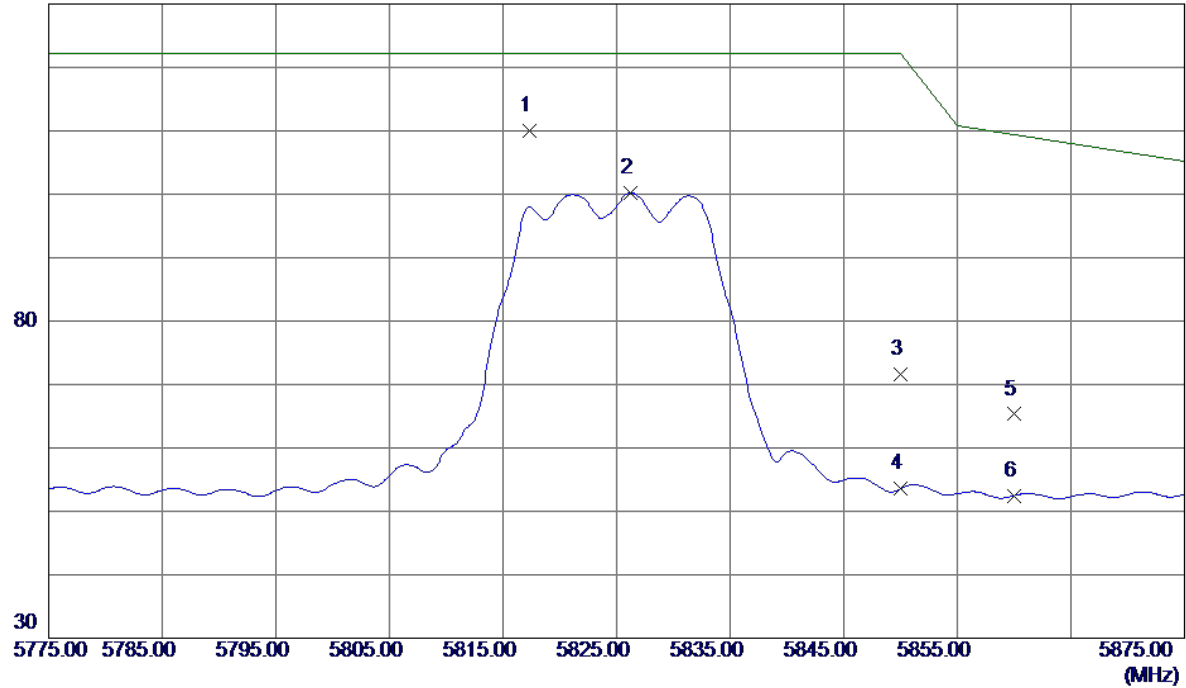


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11572.0400	42.84	17.82	60.66	74.00	-13.34	Peak	
2 *	11572.0800	30.60	17.82	48.42	54.00	-5.58	AVG	

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

Vertical

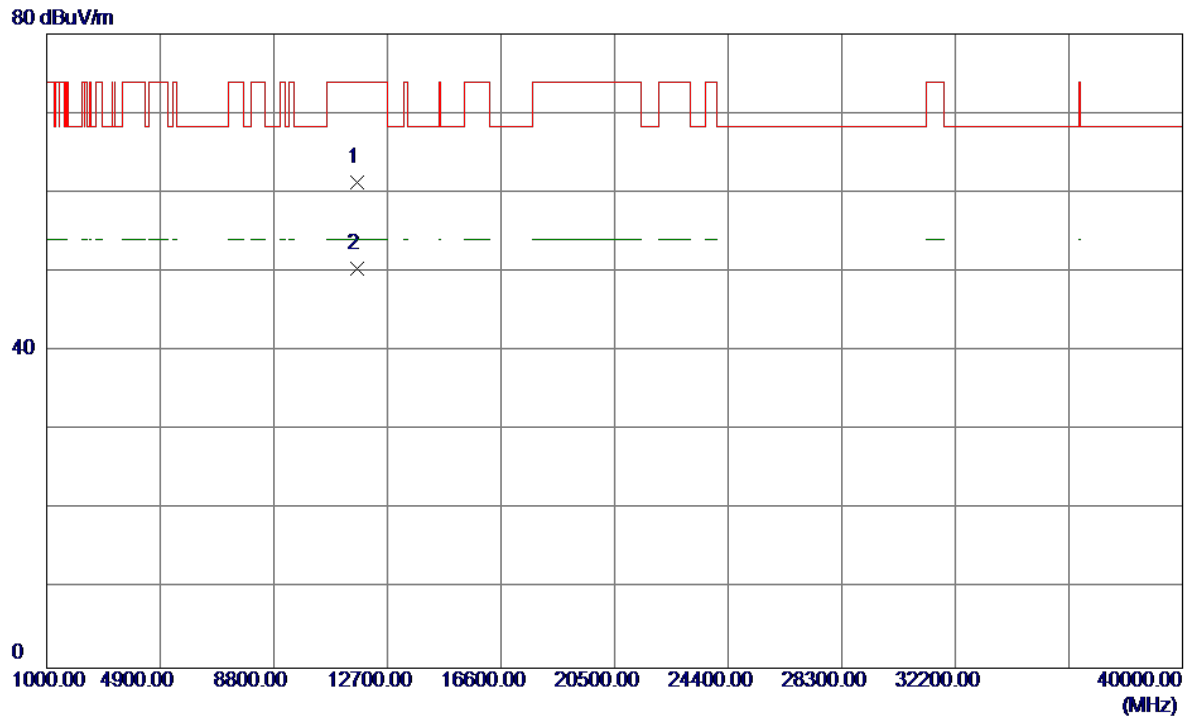
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5817.3000	66.23	43.84	110.07	122.20	-12.13	Peak	
2	5826.2000	56.32	43.87	100.19	122.20	-22.01	AVG	
3	5850.0000	27.71	43.94	71.65	122.20	-50.55	Peak	
4	5850.0000	9.63	43.94	53.57	122.20	-68.63	AVG	
5	5860.0000	21.33	43.97	65.30	109.40	-44.10	Peak	
6	5860.0000	8.50	43.97	52.47	109.40	-56.93	AVG	

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

Vertical

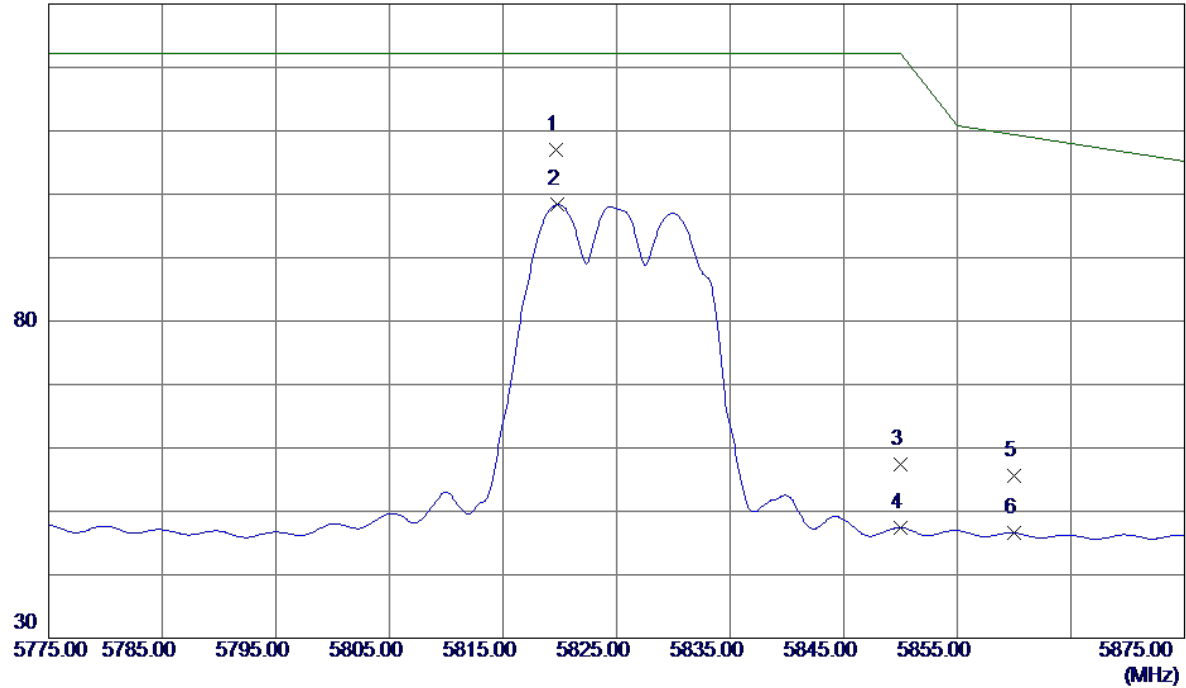


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11646.6000	43.43	17.86	61.29	74.00	-12.71	Peak	
2 *	11647.4000	32.56	17.86	50.42	54.00	-3.58	AVG	

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

Horizontal

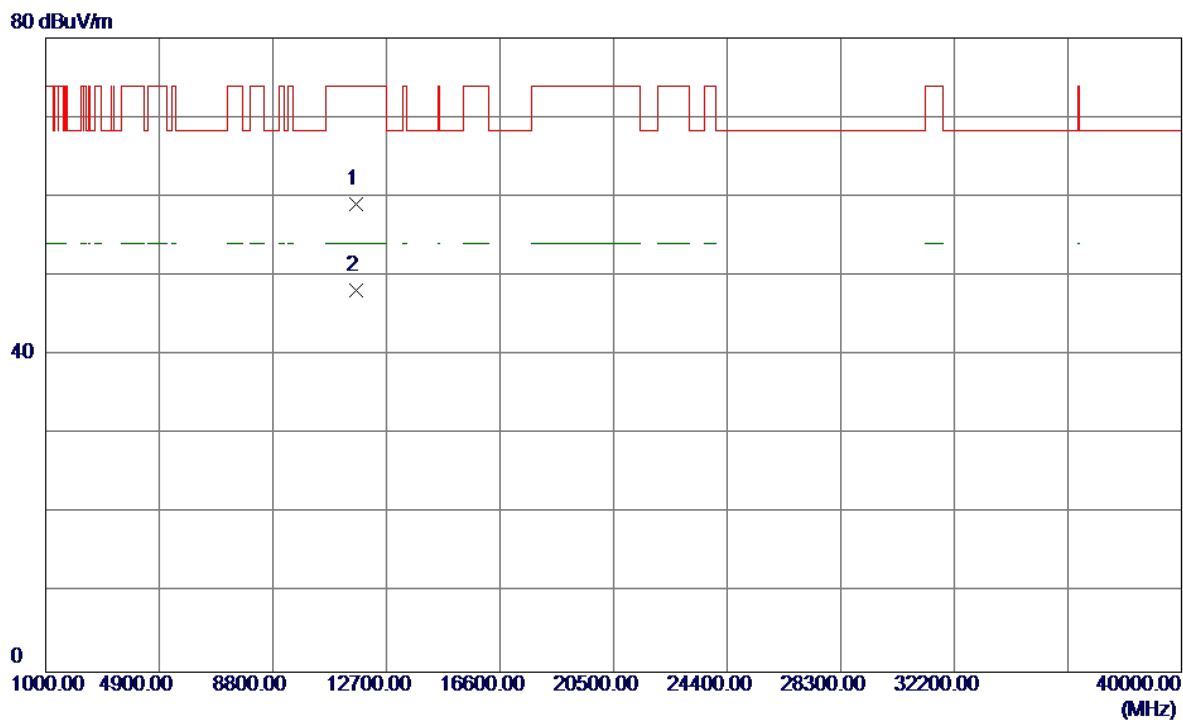
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5819.7000	63.08	43.85	106.93	122.20	-15.27	Peak	
2	5819.8000	54.50	43.85	98.35	122.20	-23.85	AVG	
3	5850.0000	13.40	43.94	57.34	122.20	-64.86	Peak	
4	5850.0000	3.44	43.94	47.38	122.20	-74.82	AVG	
5	5860.0000	11.55	43.97	55.52	109.40	-53.88	Peak	
6	5860.0000	2.63	43.97	46.60	109.40	-62.80	AVG	

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

Horizontal

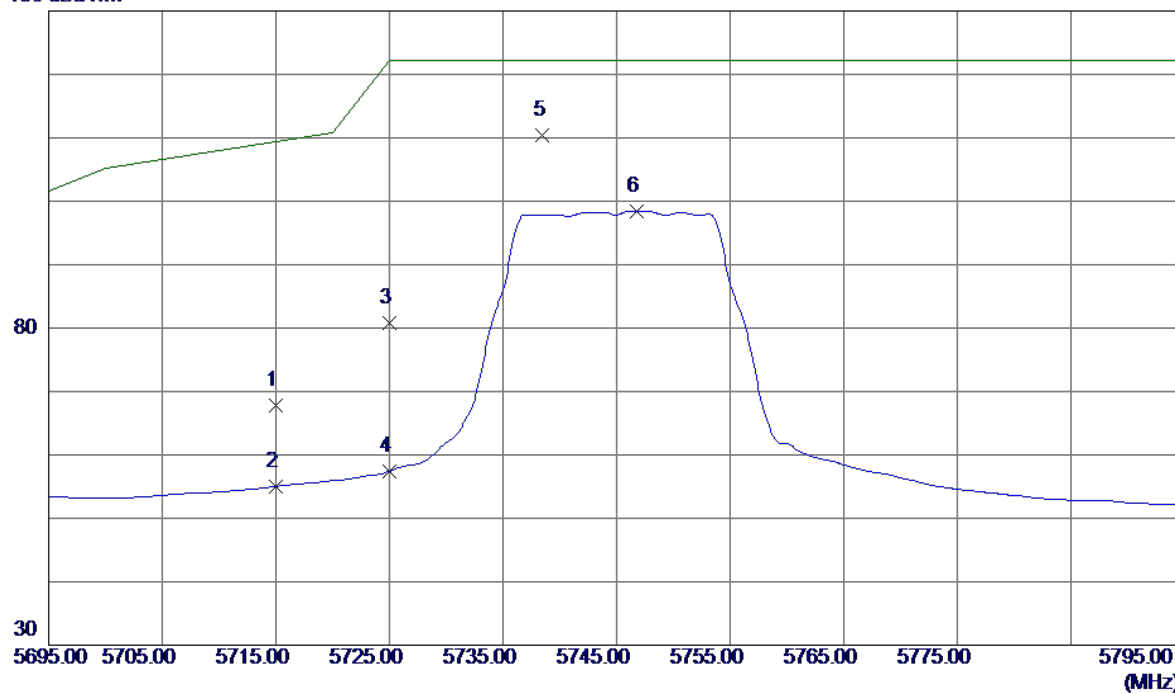


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11651.5400	41.13	17.86	58.99	74.00	-15.01	Peak	
2 *	11651.8600	30.29	17.86	48.15	54.00	-5.85	AVG	

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

Vertical

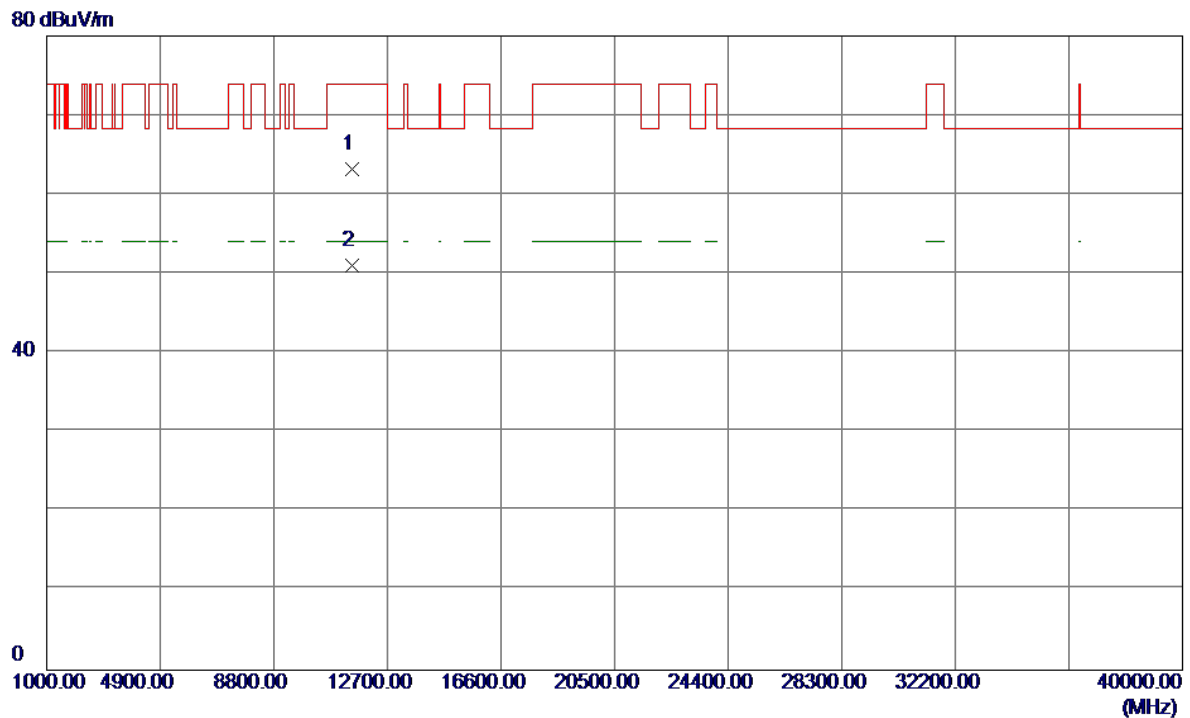
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	24.19	43.53	67.72	109.40	-41.68	Peak	
2	5715.0000	11.53	43.53	55.06	109.40	-54.34	AVG	
3	5725.0000	37.28	43.56	80.84	122.20	-41.36	Peak	
4	5725.0000	13.87	43.56	57.43	122.20	-64.77	AVG	
5 *	5738.5000	66.76	43.60	110.36	122.20	-11.84	Peak	
6	5746.8000	54.81	43.63	98.44	122.20	-23.76	AVG	

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

Vertical

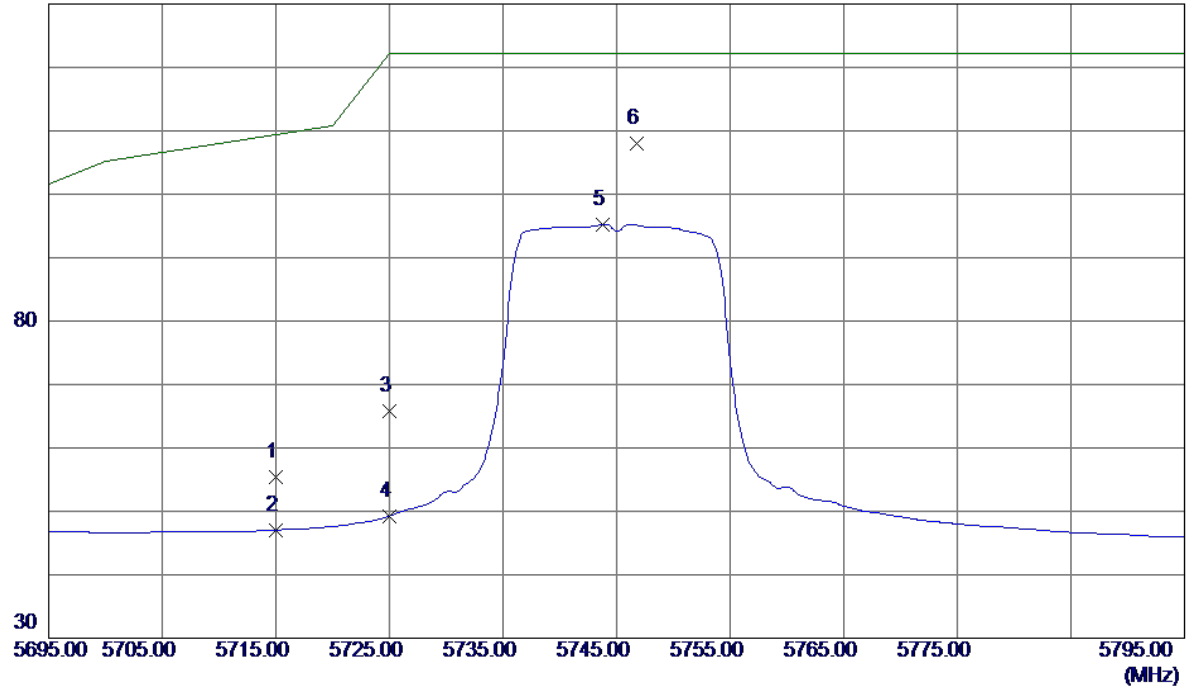


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11489.8800	45.47	17.75	63.22	74.00	-10.78	Peak	
2 *	11490.8400	33.29	17.75	51.04	54.00	-2.96	AVG	

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

Horizontal

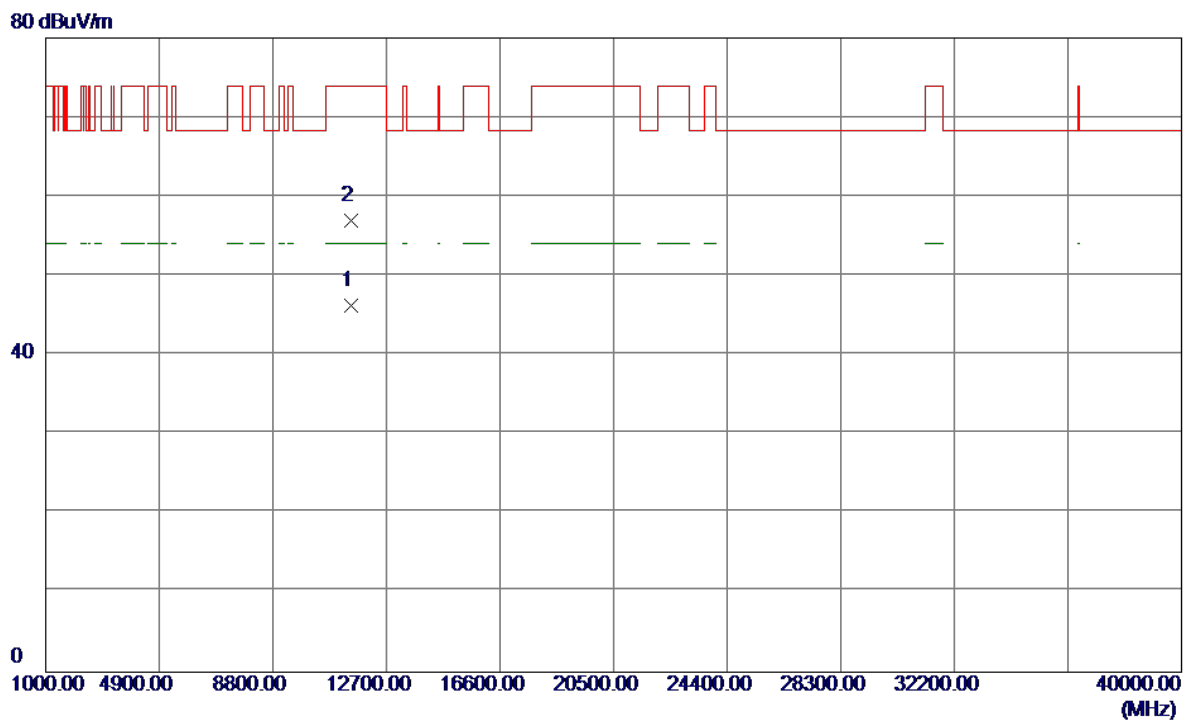
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	11.92	43.53	55.45	109.40	-53.95	Peak	
2	5715.0000	3.49	43.53	47.02	109.40	-62.38	AVG	
3	5725.0000	22.31	43.56	65.87	122.20	-56.33	Peak	
4	5725.0000	5.69	43.56	49.25	122.20	-72.95	AVG	
5	5743.8000	51.65	43.62	95.27	122.20	-26.93	AVG	
6 *	5746.8000	64.45	43.63	108.08	122.20	-14.12	Peak	

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

Horizontal

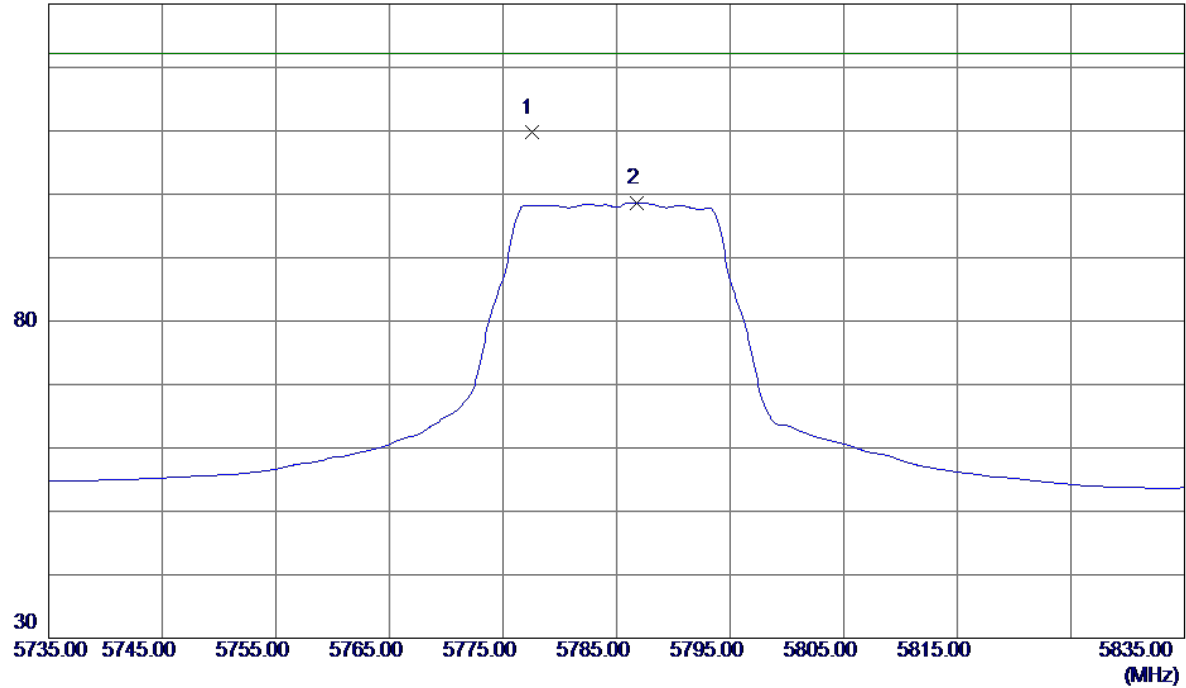


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11485.5599	28.54	17.73	46.27	54.00	-7.73	AVG	
2	11486.3600	39.26	17.74	57.00	74.00	-17.00	Peak	

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

Vertical

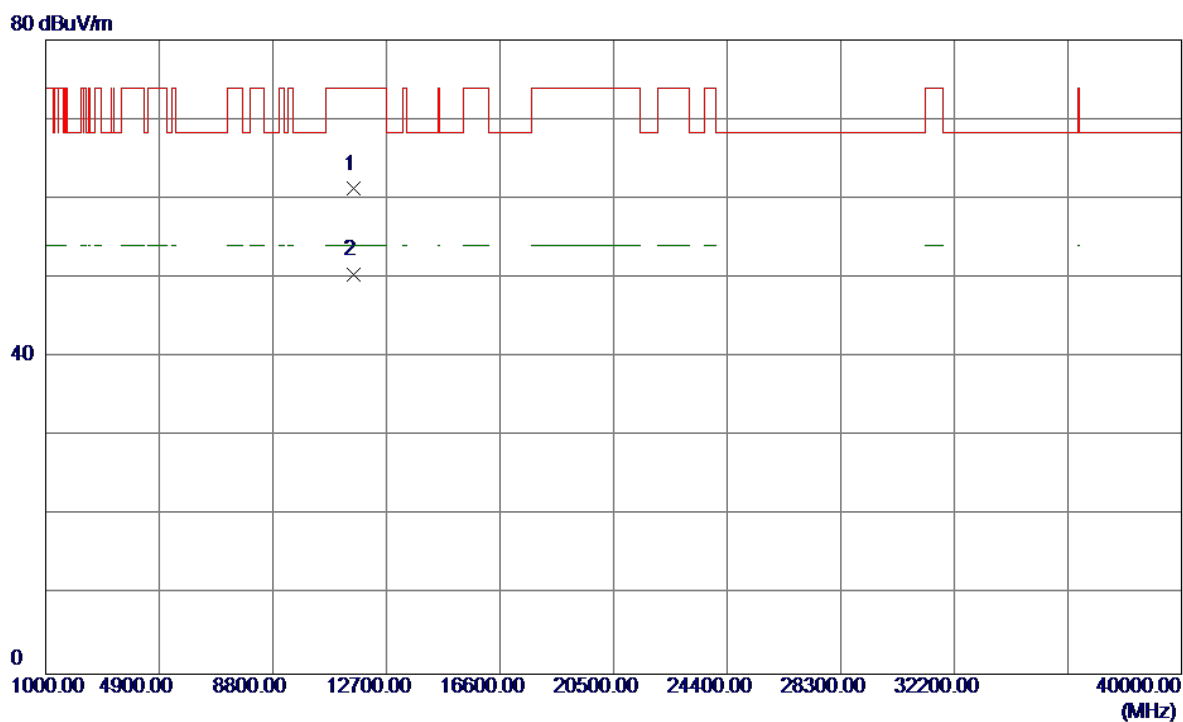
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5777.5000	65.98	43.72	109.70	122.20	-12.50	Peak	
2	5786.8000	54.87	43.75	98.62	122.20	-23.58	AVG	

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

Vertical

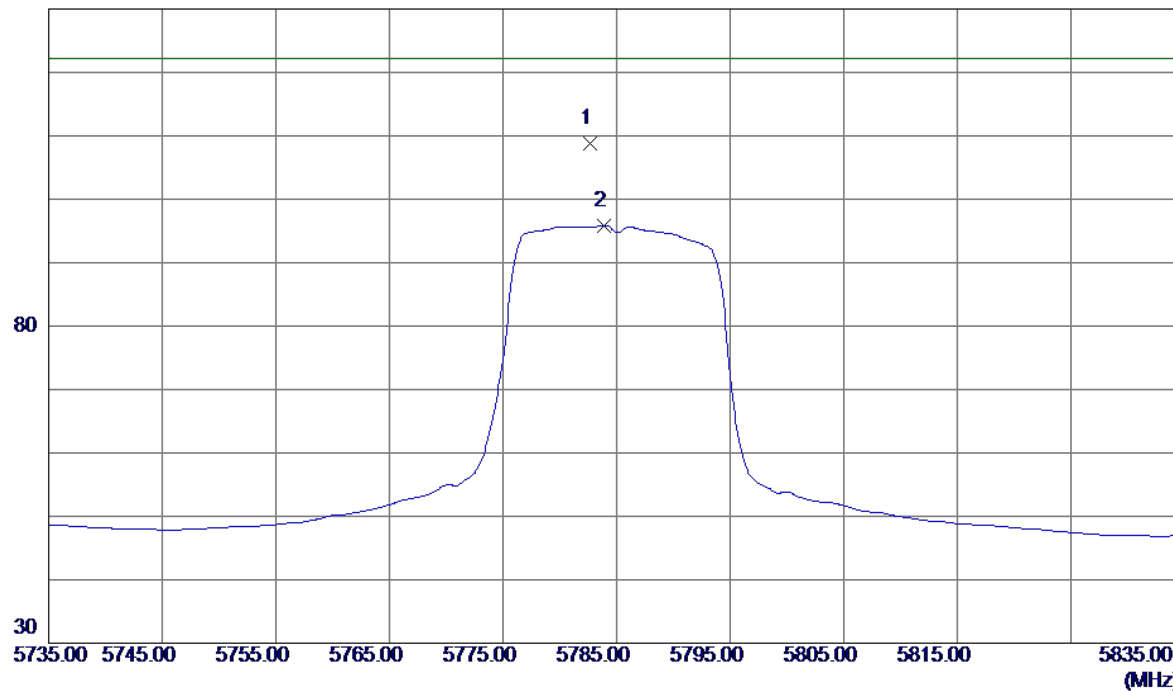


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11571.2000	43.38	17.82	61.20	74.00	-12.80	Peak	
2 *	11572.2000	32.62	17.82	50.44	54.00	-3.56	AVG	

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

Horizontal

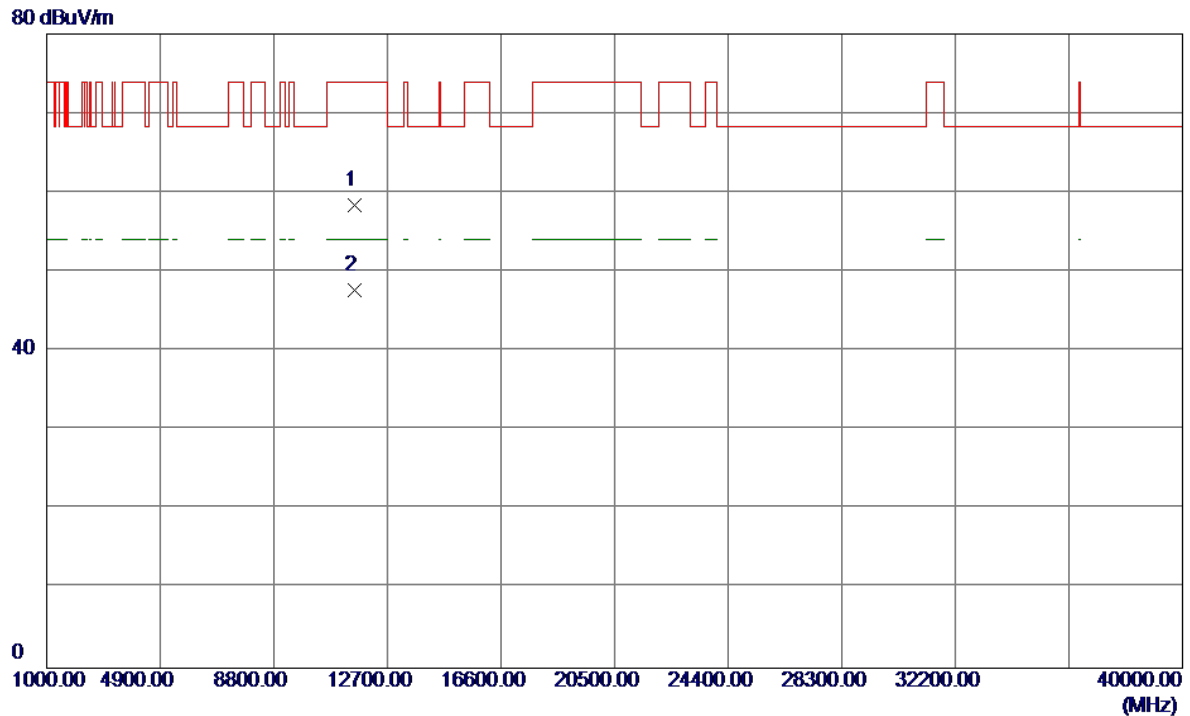
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5782.7000	65.11	43.73	108.84	122.20	-13.36	Peak	
2	5783.9000	52.15	43.74	95.89	122.20	-26.31	AVG	

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

Horizontal

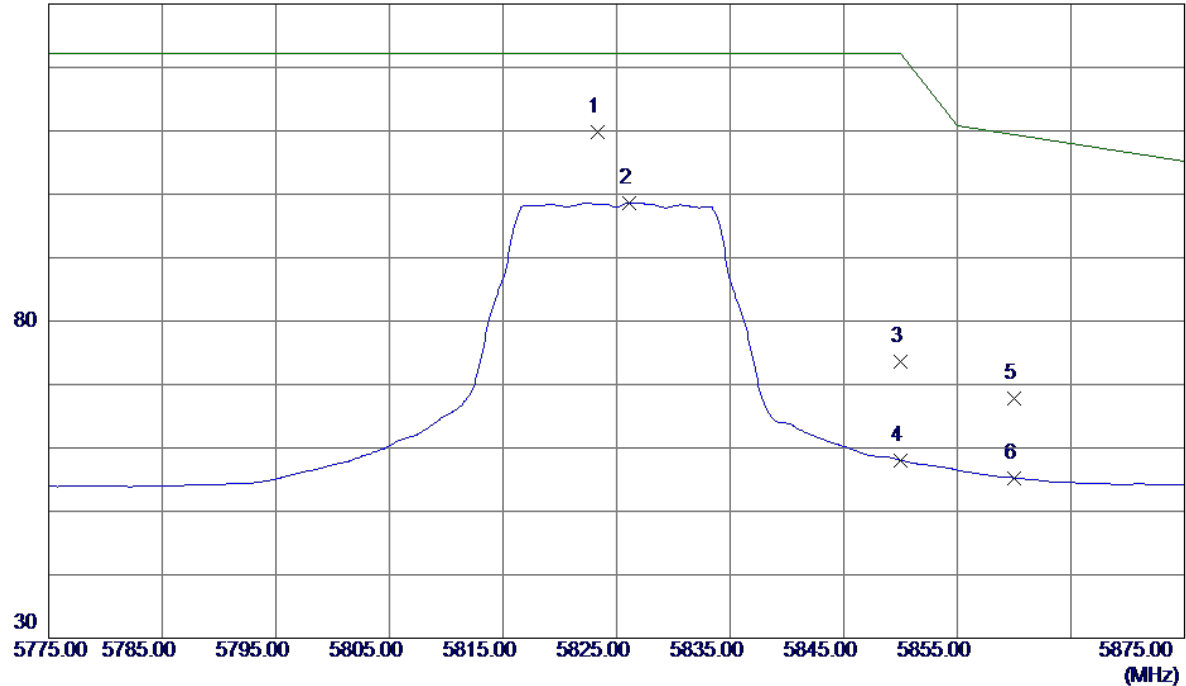


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11571.3600	40.57	17.82	58.39	74.00	-15.61	Peak	
2 *	11572.0199	29.86	17.82	47.68	54.00	-6.32	AVG	

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

Vertical

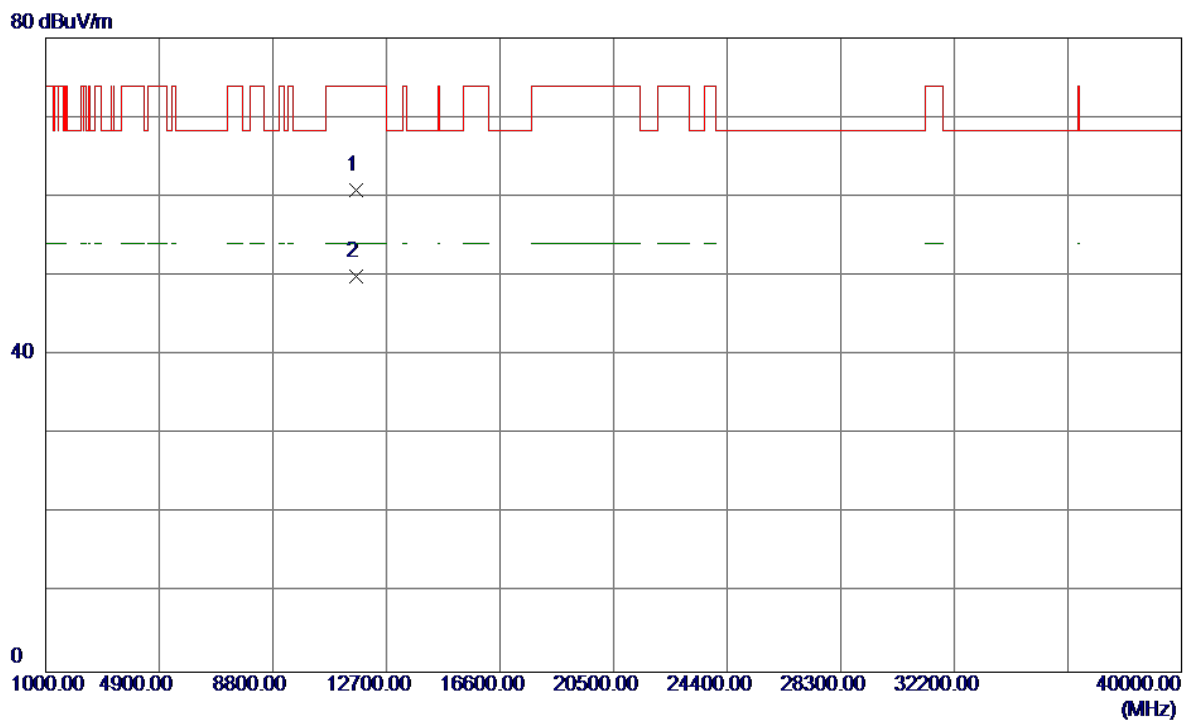
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5823.3000	65.88	43.86	109.74	122.20	-12.46	Peak	
2	5826.1000	54.71	43.86	98.57	122.20	-23.63	AVG	
3	5850.0000	29.75	43.94	73.69	122.20	-48.51	Peak	
4	5850.0000	14.10	43.94	58.04	122.20	-64.16	AVG	
5	5860.0000	23.76	43.97	67.73	109.40	-41.67	Peak	
6	5860.0000	11.32	43.97	55.29	109.40	-54.11	AVG	

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

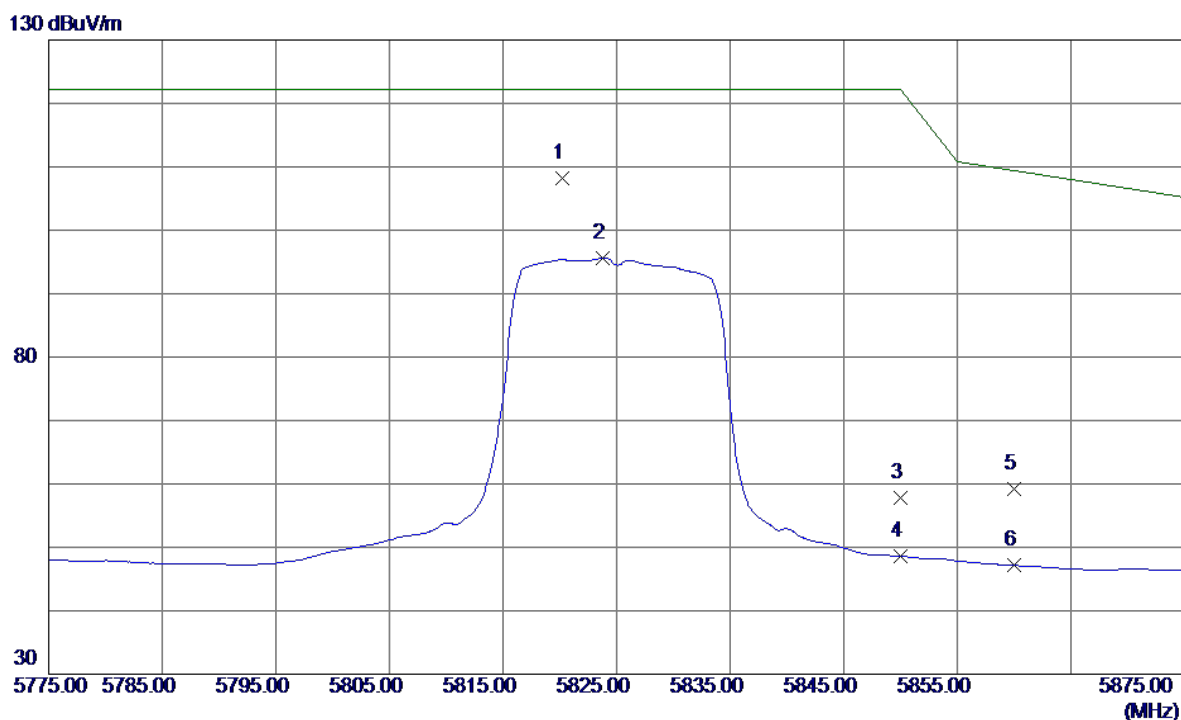
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11649.6200	42.99	17.86	60.85	74.00	-13.15	Peak	
2 *	11651.0800	32.04	17.86	49.90	54.00	-4.10	AVG	

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

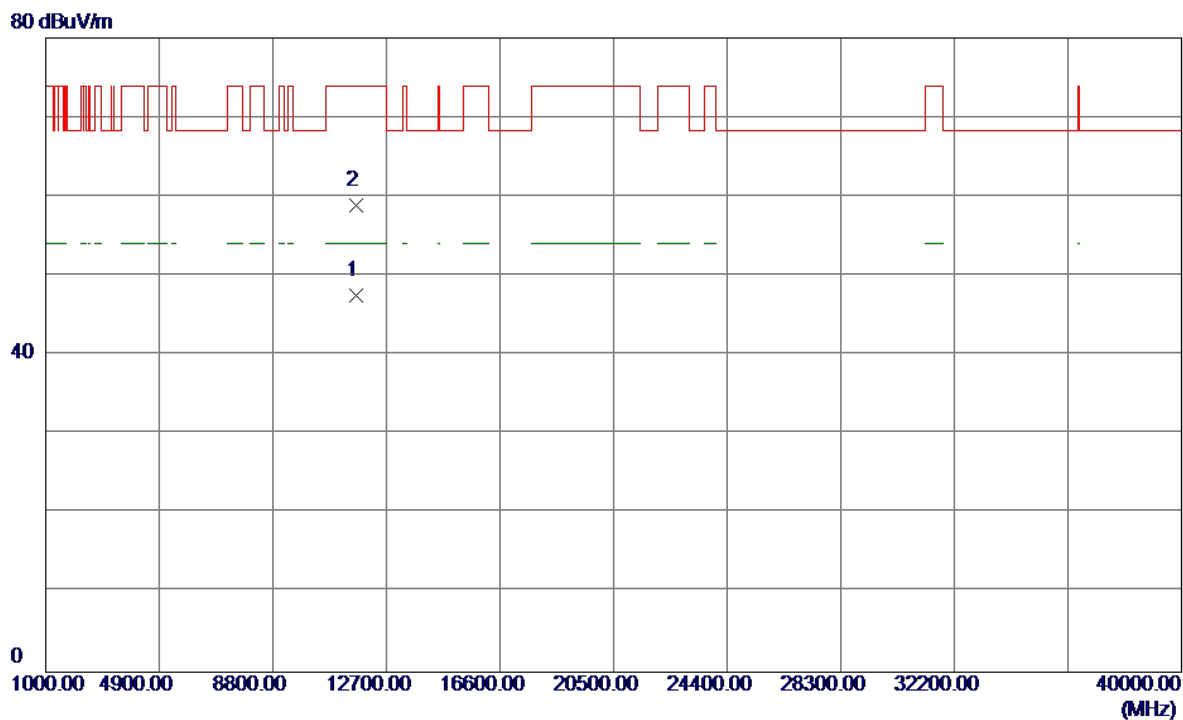
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5820.2000	64.26	43.85	108.11	122.20	-14.09	Peak	
2	5823.8000	51.77	43.86	95.63	122.20	-26.57	AVG	
3	5850.0000	13.90	43.94	57.84	122.20	-64.36	Peak	
4	5850.0000	4.62	43.94	48.56	122.20	-73.64	AVG	
5	5860.0000	15.20	43.97	59.17	109.40	-50.23	Peak	
6	5860.0000	3.16	43.97	47.13	109.40	-62.27	AVG	

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

Horizontal

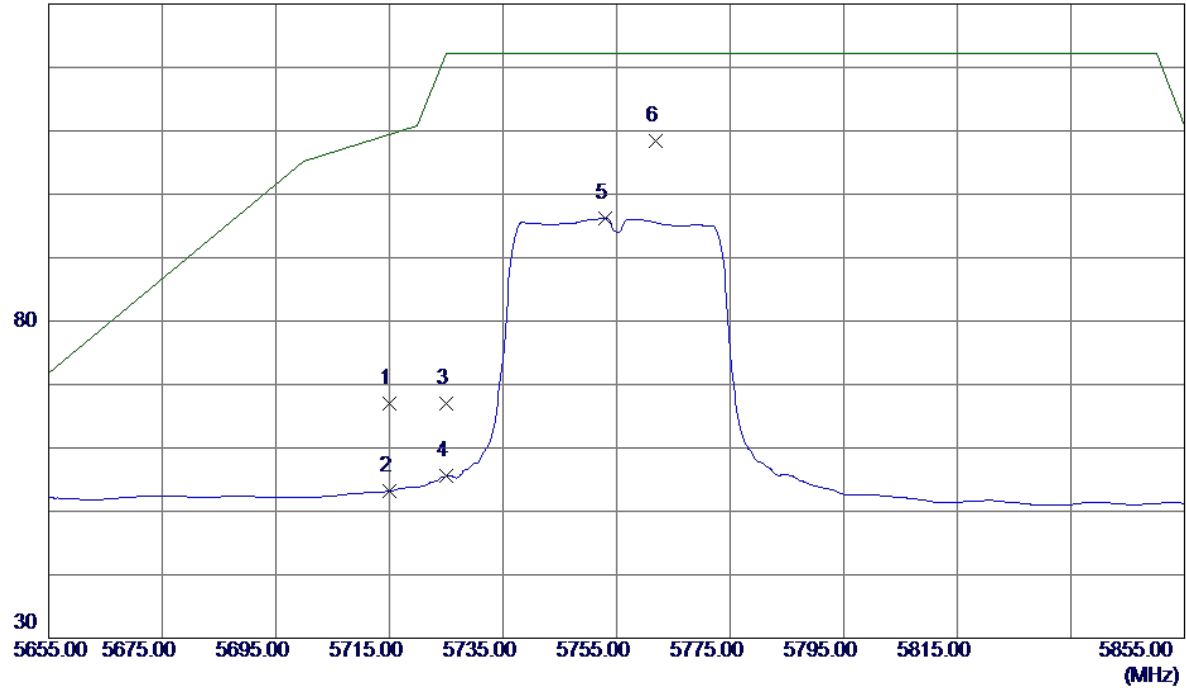


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11648.7200	29.67	17.86	47.53	54.00	-6.47	AVG	
2	11649.8800	40.99	17.86	58.85	74.00	-15.15	Peak	

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

Vertical

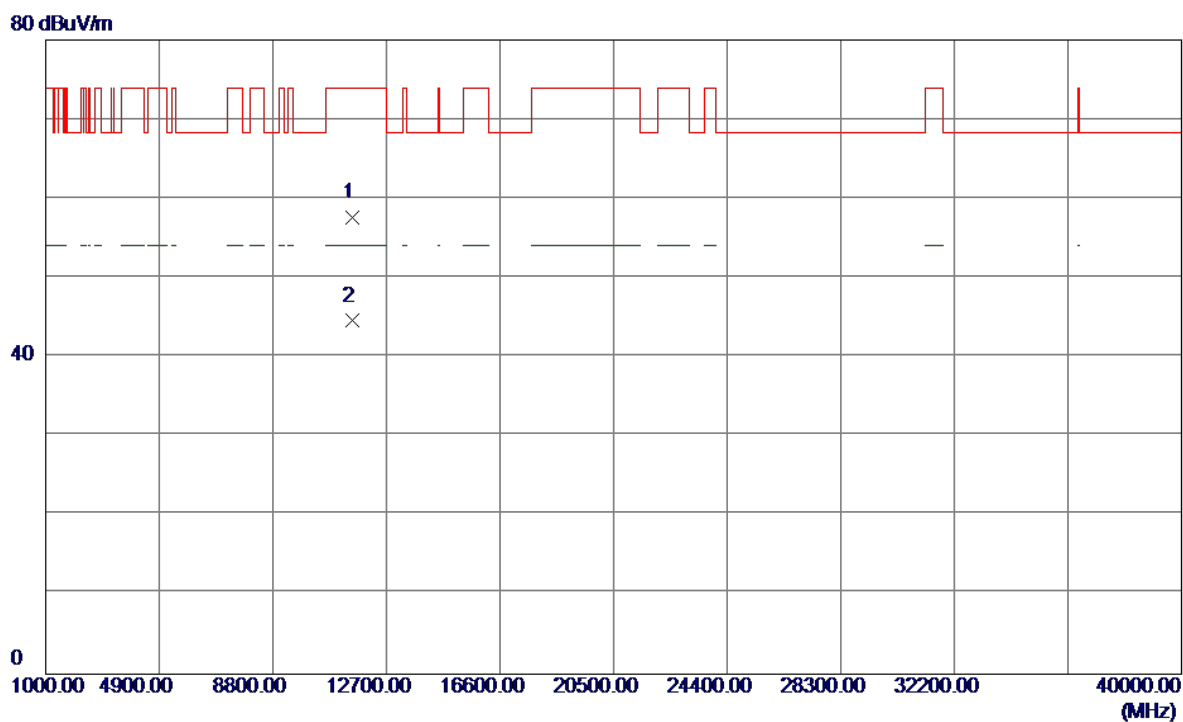
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	23.39	43.53	66.92	109.40	-42.48	Peak	
2	5715.0000	9.62	43.53	53.15	109.40	-56.25	AVG	
3	5725.0000	23.42	43.56	66.98	122.20	-55.22	Peak	
4	5725.0000	11.96	43.56	55.52	122.20	-66.68	AVG	
5	5753.0000	52.58	43.64	96.22	122.20	-25.98	AVG	
6 *	5761.8000	64.82	43.67	108.49	122.20	-13.71	Peak	

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

Vertical

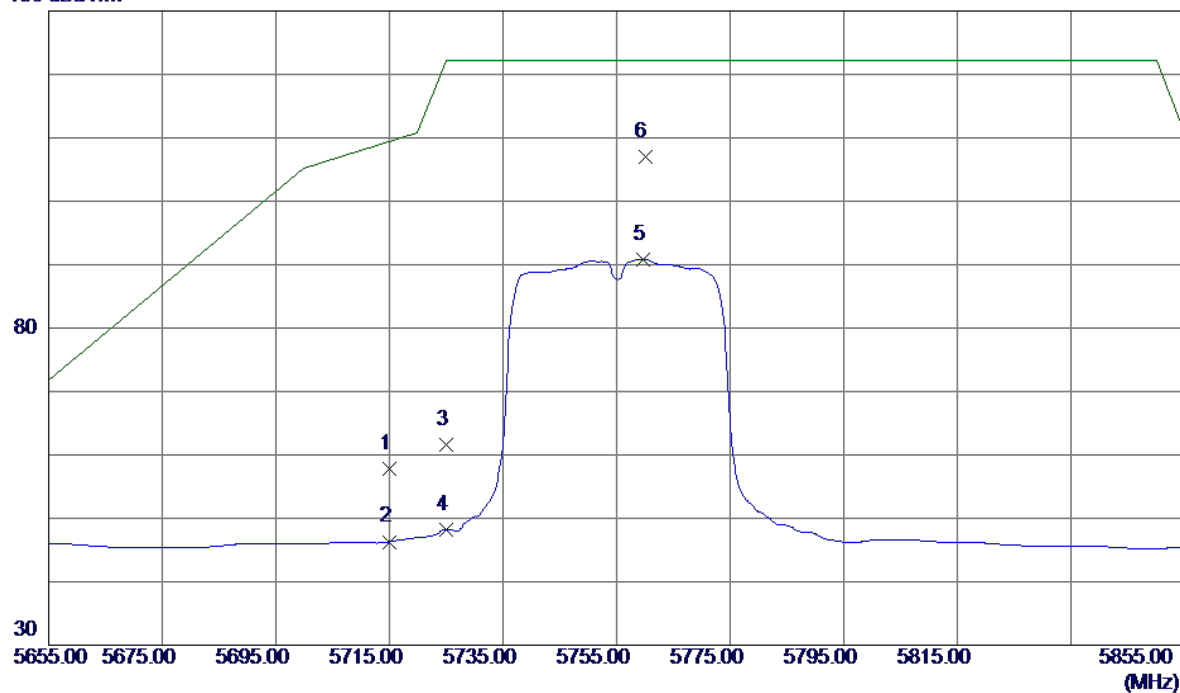


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11508.6150	39.84	17.79	57.63	74.00	-16.37	Peak	
2 *	11511.1200	26.77	17.79	44.56	54.00	-9.44	AVG	

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

Horizontal

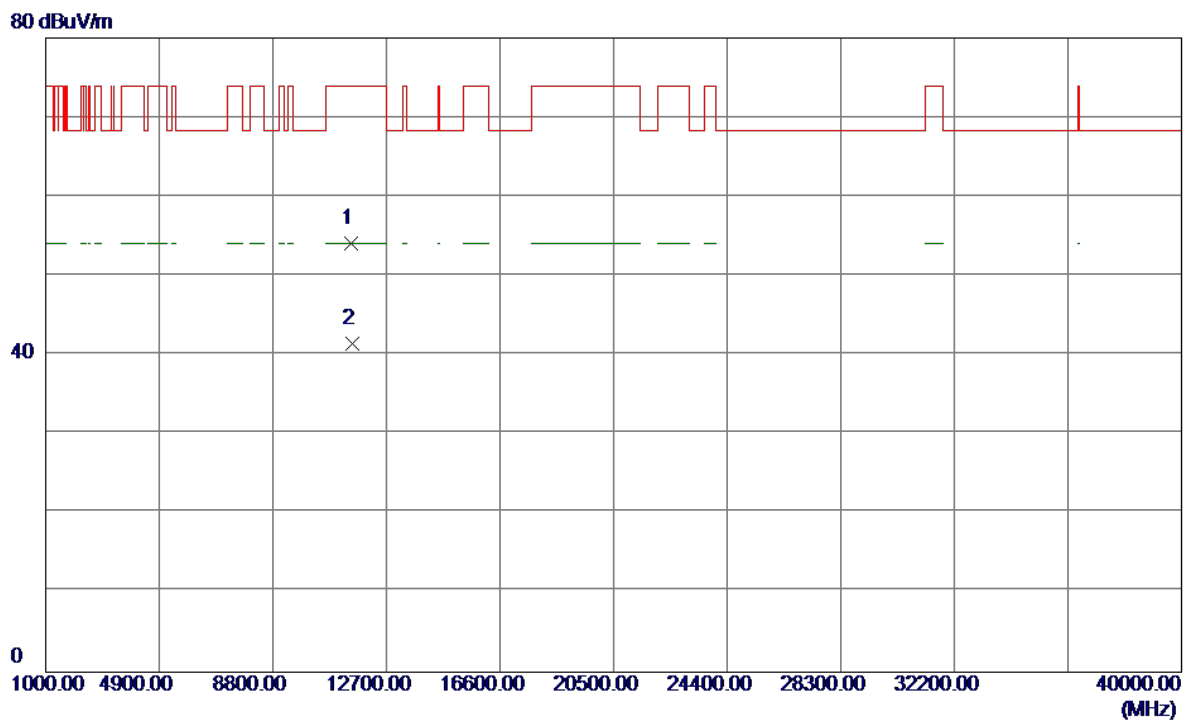
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	14.19	43.53	57.72	109.40	-51.68	Peak	
2	5715.0000	2.77	43.53	46.30	109.40	-63.10	AVG	
3	5725.0000	18.02	43.56	61.58	122.20	-60.62	Peak	
4	5725.0000	4.72	43.56	48.28	122.20	-73.92	AVG	
5	5759.6000	47.23	43.66	90.89	122.20	-31.31	AVG	
6 *	5760.0000	63.24	43.67	106.91	122.20	-15.29	Peak	

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

Horizontal

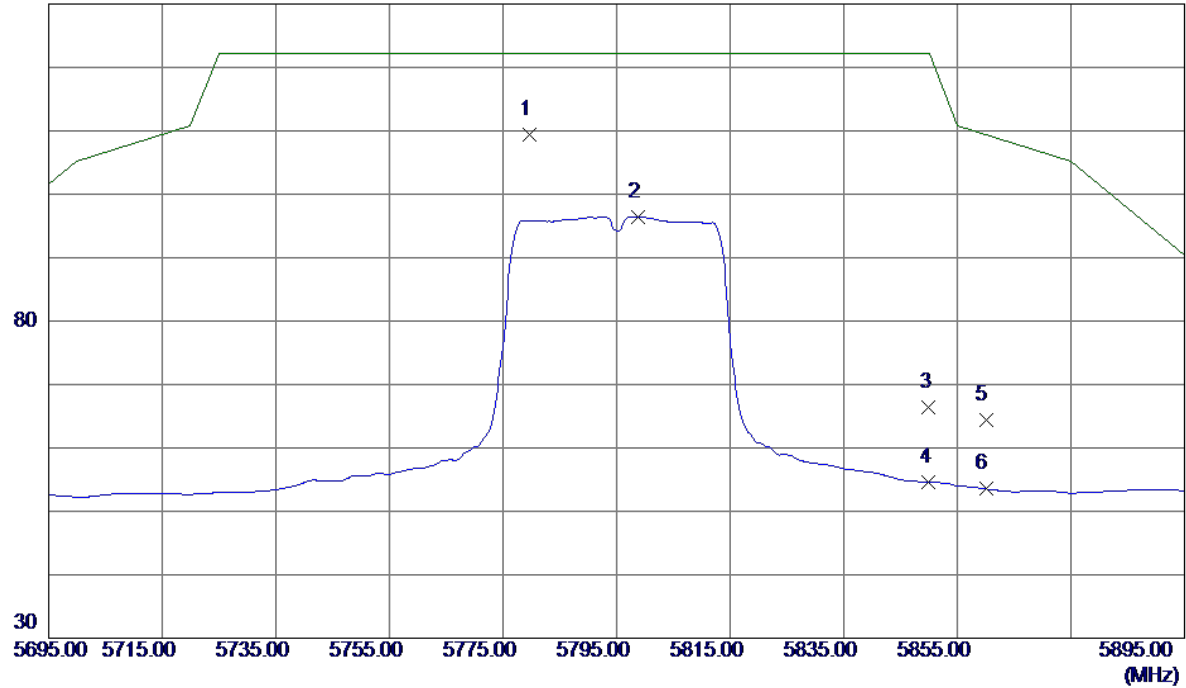


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11508.2150	36.22	17.79	54.01	74.00	-19.99	Peak	
2 *	11512.4700	23.64	17.79	41.43	54.00	-12.57	AVG	

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

Vertical

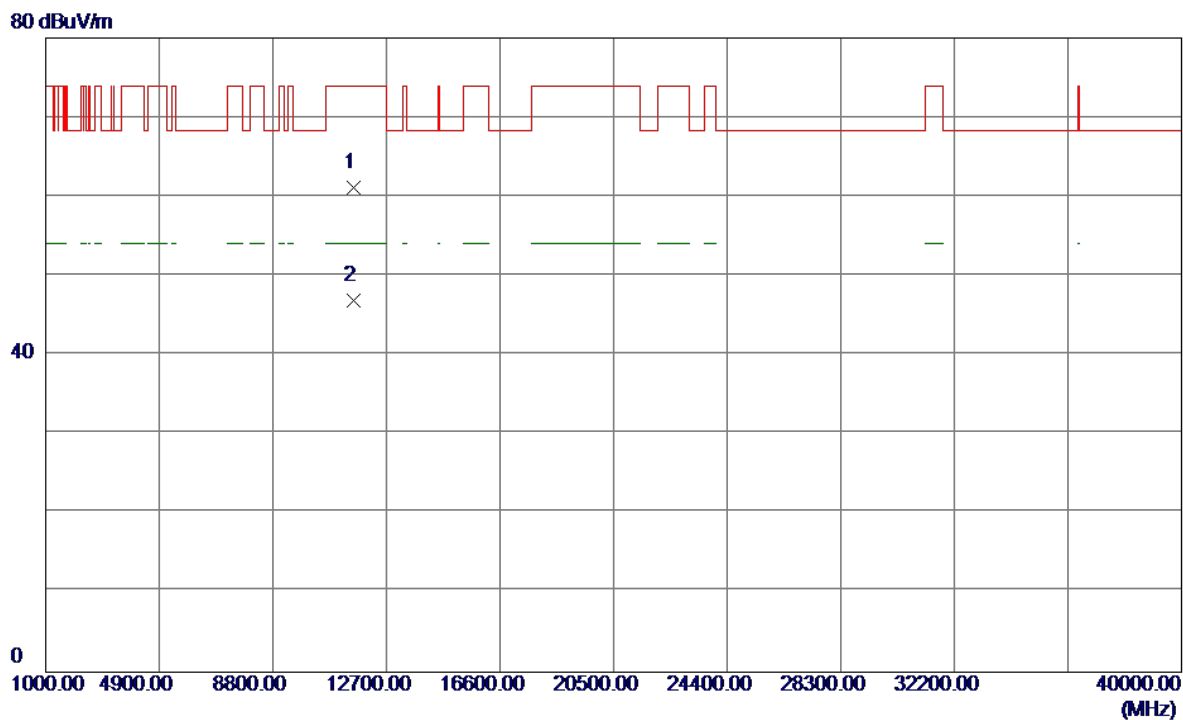
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5779.6000	65.70	43.72	109.42	122.20	-12.78	Peak	
2	5798.8000	52.61	43.78	96.39	122.20	-25.81	AVG	
3	5850.0000	22.47	43.94	66.41	122.20	-55.79	Peak	
4	5850.0000	10.73	43.94	54.67	122.20	-67.53	AVG	
5	5860.0000	20.52	43.97	64.49	109.40	-44.91	Peak	
6	5860.0000	9.58	43.97	53.55	109.40	-55.85	AVG	

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

Vertical

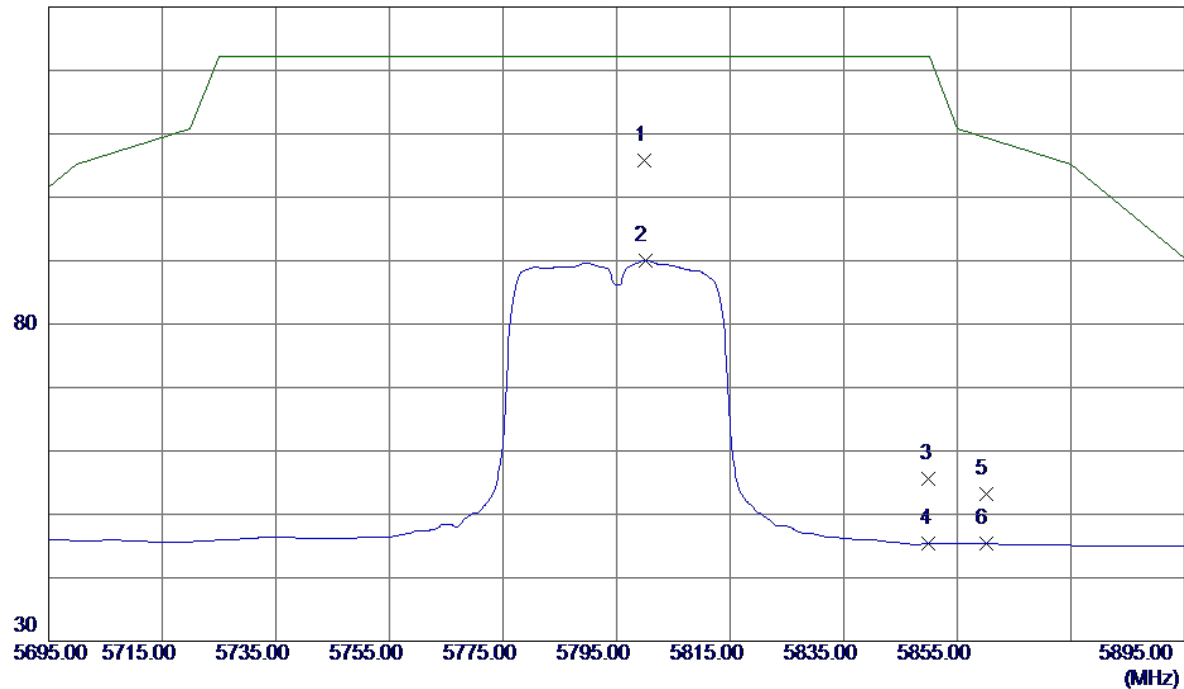


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11586.4050	43.24	17.83	61.07	74.00	-12.93	Peak	
2 *	11586.9100	29.03	17.83	46.86	54.00	-7.14	AVG	

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

Horizontal

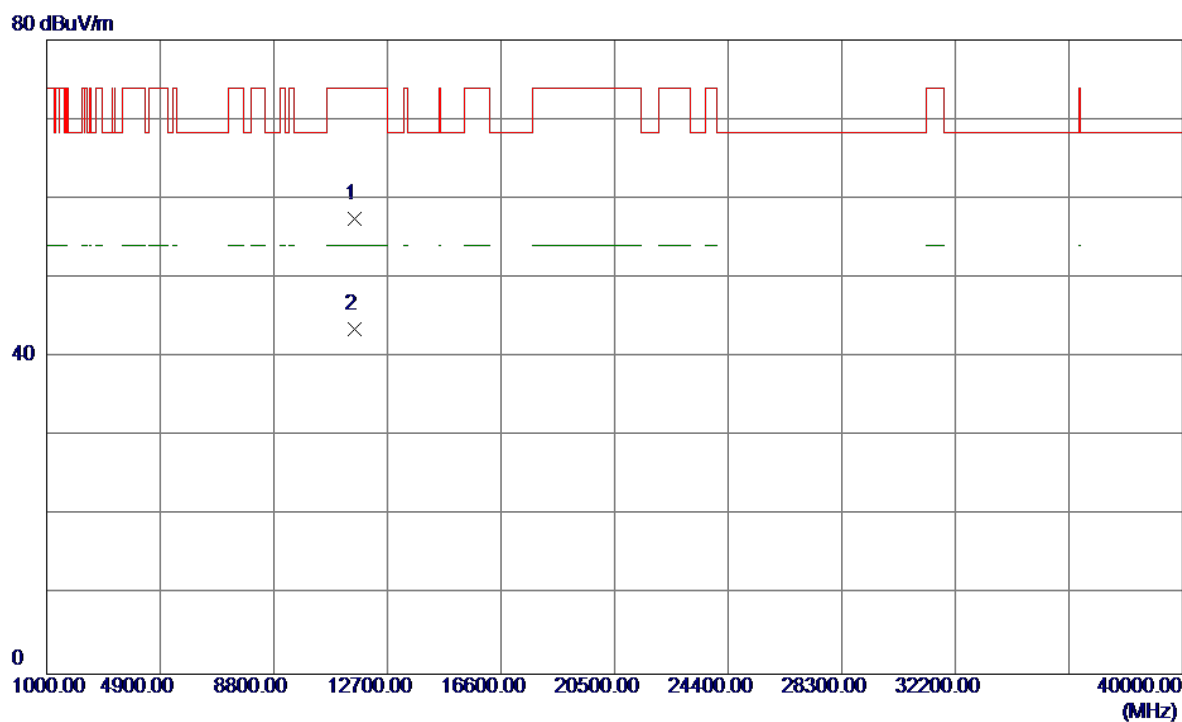
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5799.8000	62.09	43.79	105.88	122.20	-16.32	Peak	
2	5800.0000	46.17	43.79	89.96	122.20	-32.24	AVG	
3	5850.0000	11.74	43.94	55.68	122.20	-66.52	Peak	
4	5850.0000	1.42	43.94	45.36	122.20	-76.84	AVG	
5	5860.0000	9.16	43.97	53.13	109.40	-56.27	Peak	
6	5860.0000	1.42	43.97	45.39	109.40	-64.01	AVG	

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

Horizontal

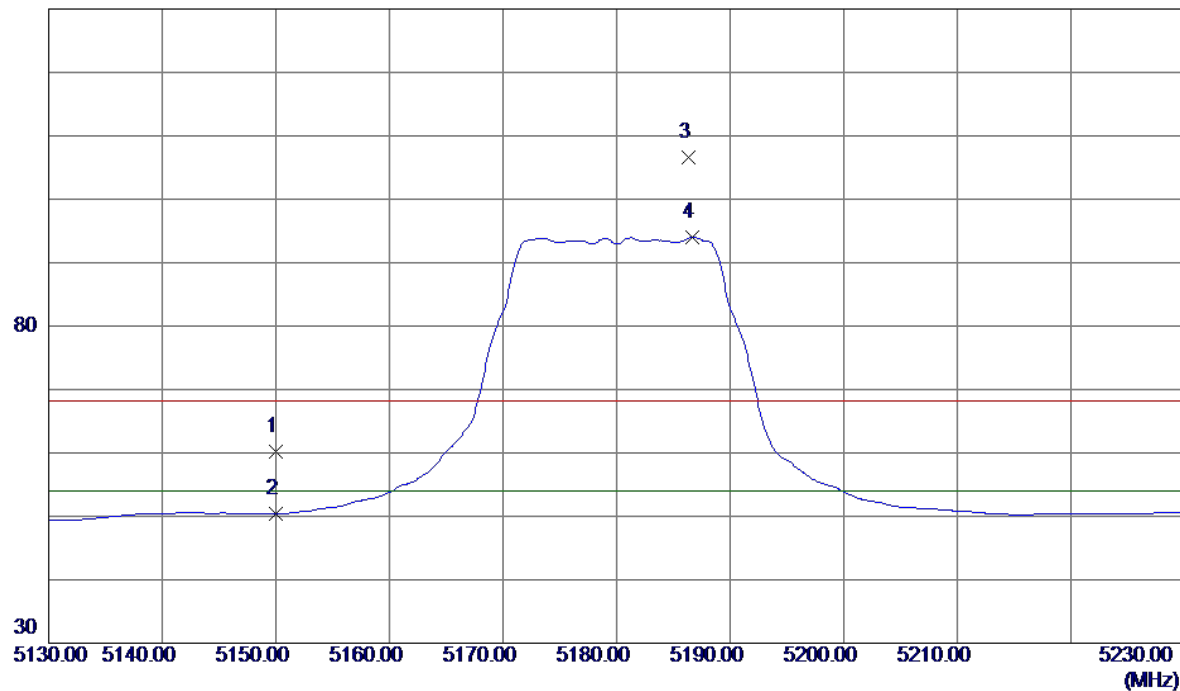


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11586.5199	39.65	17.83	57.48	74.00	-16.52	Peak	
2 *	11586.8200	25.68	17.83	43.51	54.00	-10.49	AVG	

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

Vertical

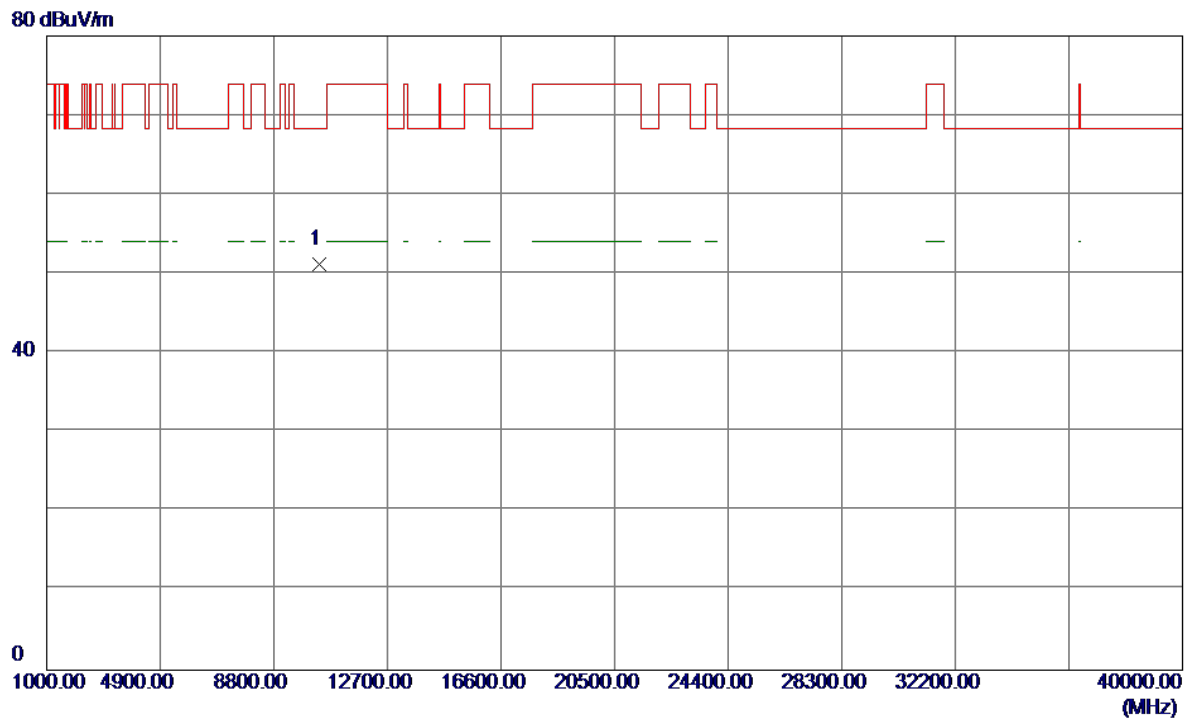
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	19.07	41.10	60.17	68.30	-8.13	Peak	
2	5150.0000	9.25	41.10	50.35	54.00	-3.65	AVG	
3	5186.3000	65.33	41.29	106.62	68.30	38.32	Peak	No Limit
4 *	5186.7000	52.73	41.29	94.02	54.00	40.02	AVG	No Limit

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

Vertical

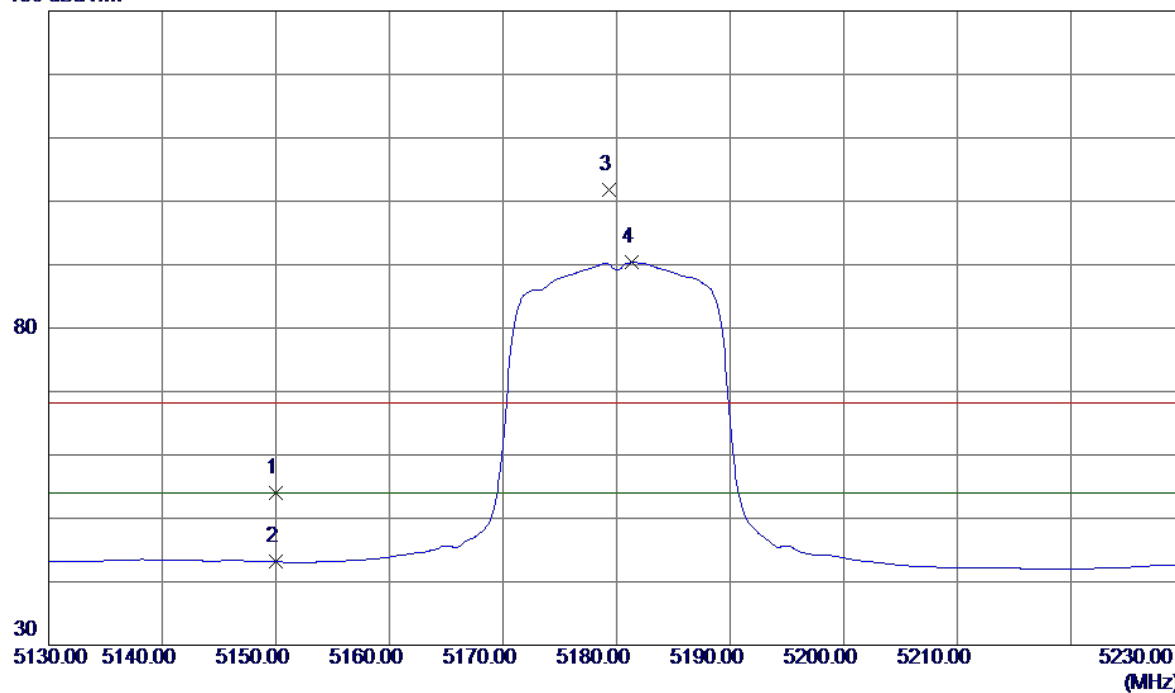


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.2200	34.83	16.33	51.16	68.30	-17.14	Peak	

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

Horizontal

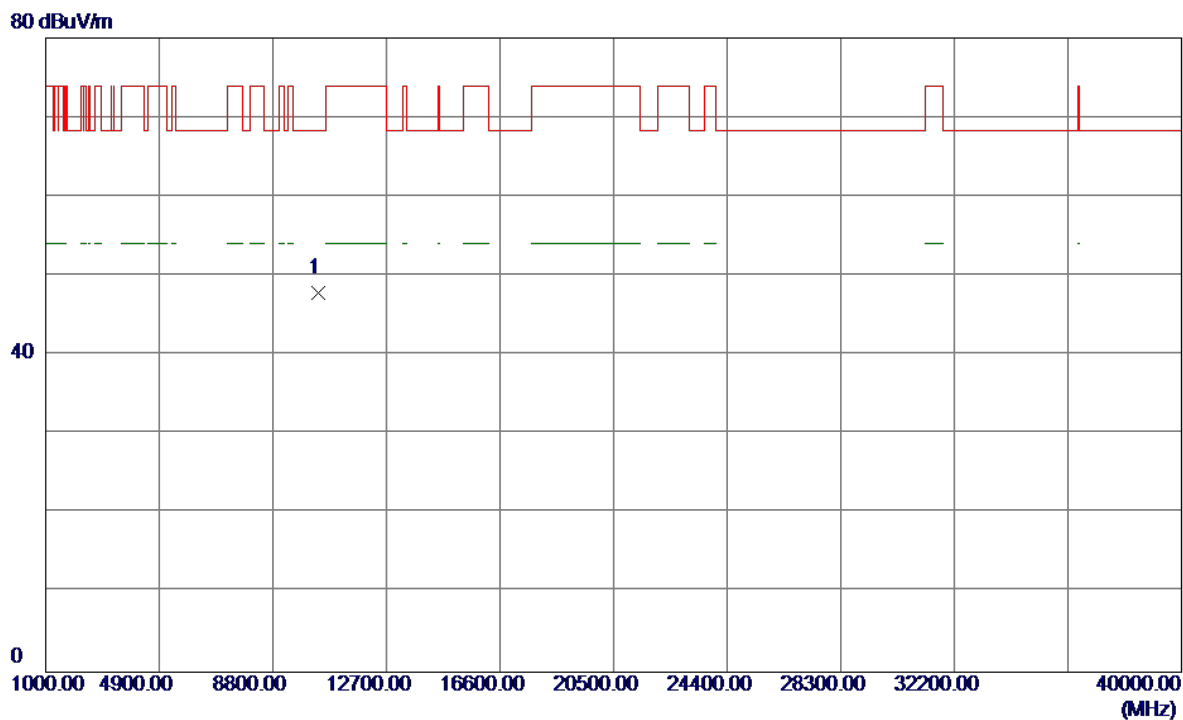
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	12.84	41.10	53.94	68.30	-14.36	Peak	
2	5150.0000	2.06	41.10	43.16	54.00	-10.84	AVG	
3	5179.3000	60.54	41.25	101.79	68.30	33.49	Peak	No Limit
4 *	5181.3000	49.05	41.26	90.31	54.00	36.31	AVG	No Limit

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

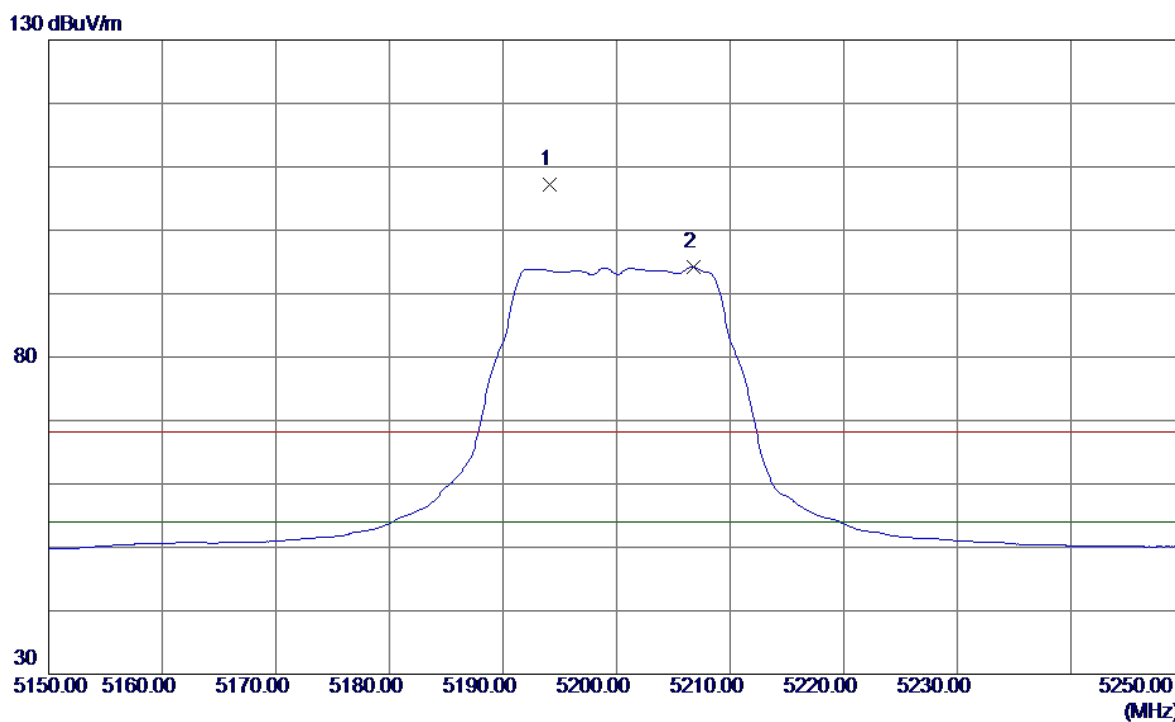
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10362.1600	31.44	16.34	47.78	68.30	-20.52	Peak	

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

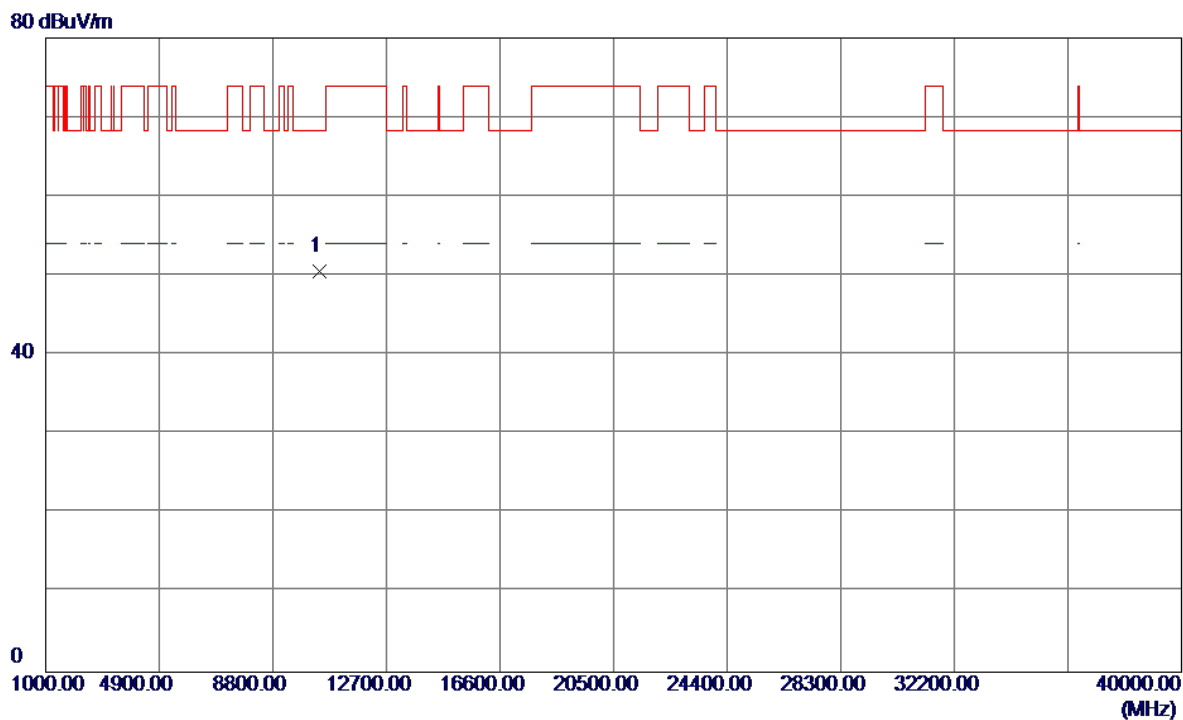
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.1000	65.95	41.33	107.28	68.30	38.98	Peak	No Limit
2 *	5206.8000	52.79	41.39	94.18	54.00	40.18	AVG	No Limit

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

Vertical

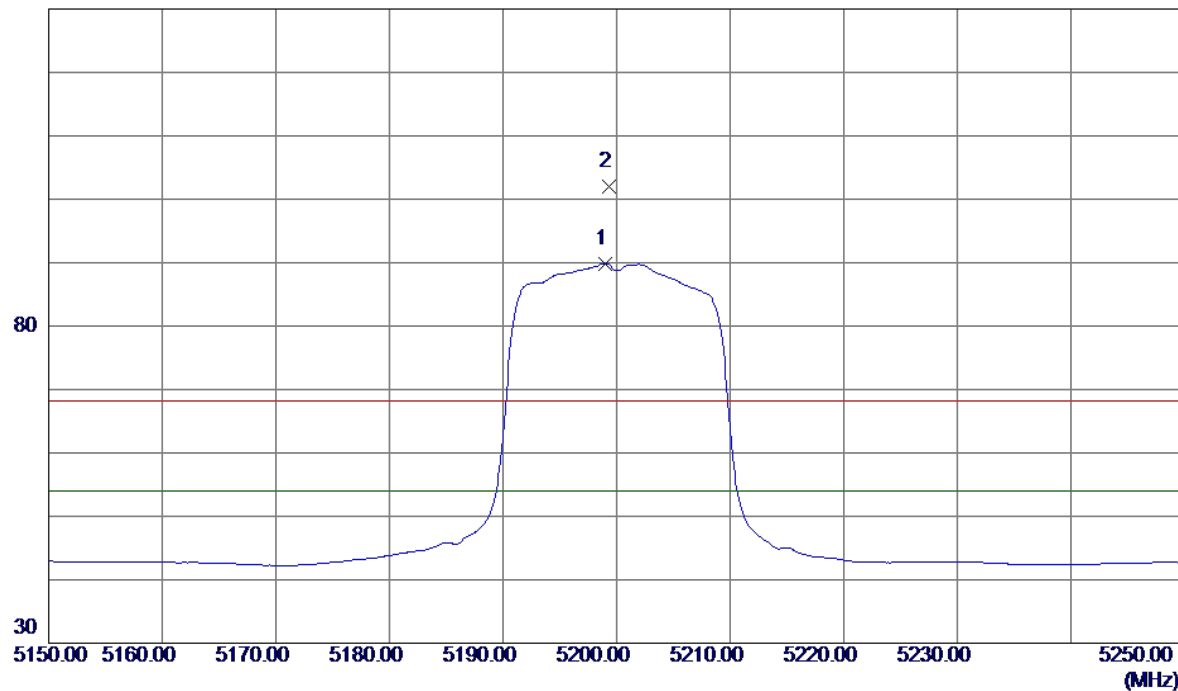


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.9600	34.08	16.44	50.52	68.30	-17.78	Peak	

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

Horizontal

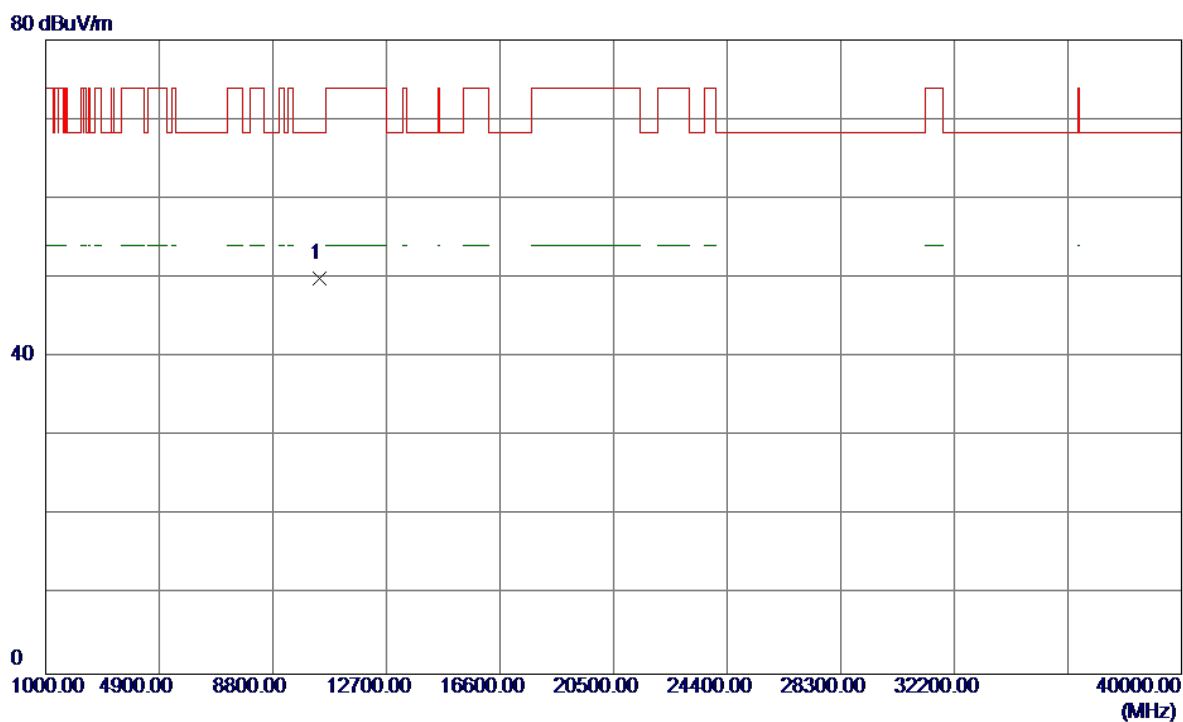
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5199.0000	48.50	41.35	89.85	54.00	35.85	AVG	No Limit
2	5199.3000	60.66	41.35	102.01	68.30	33.71	Peak	No Limit

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

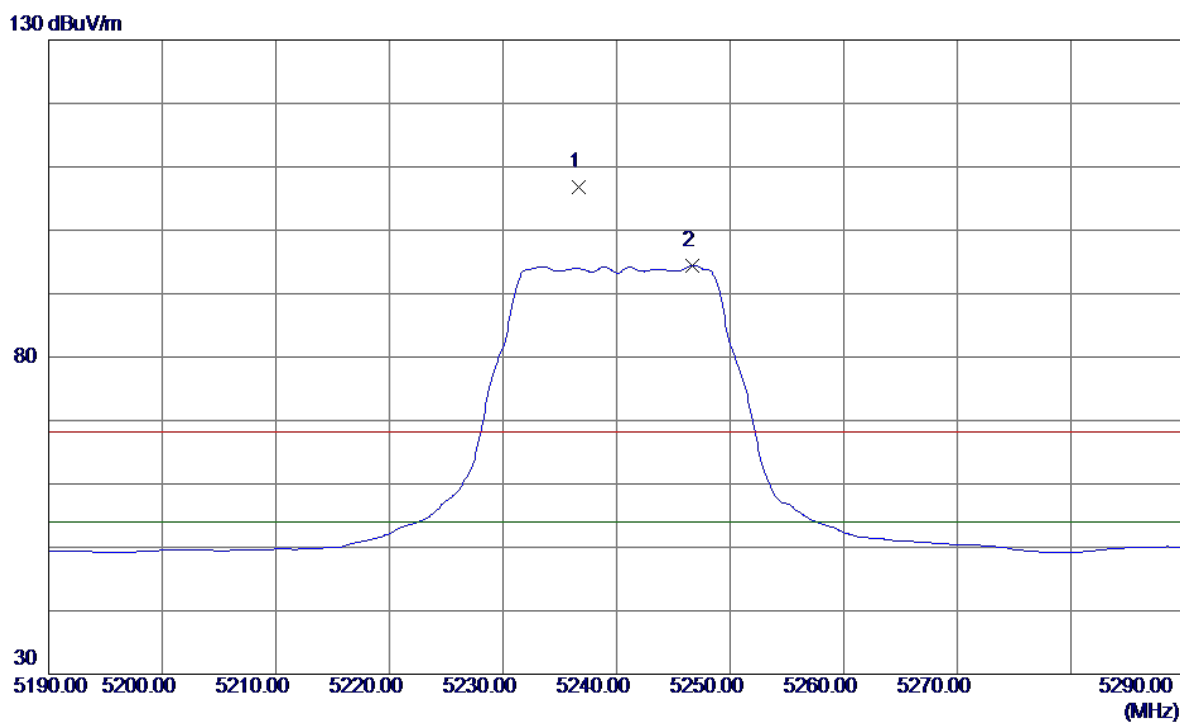
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10399.4200	33.53	16.44	49.97	68.30	-18.33	Peak	

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

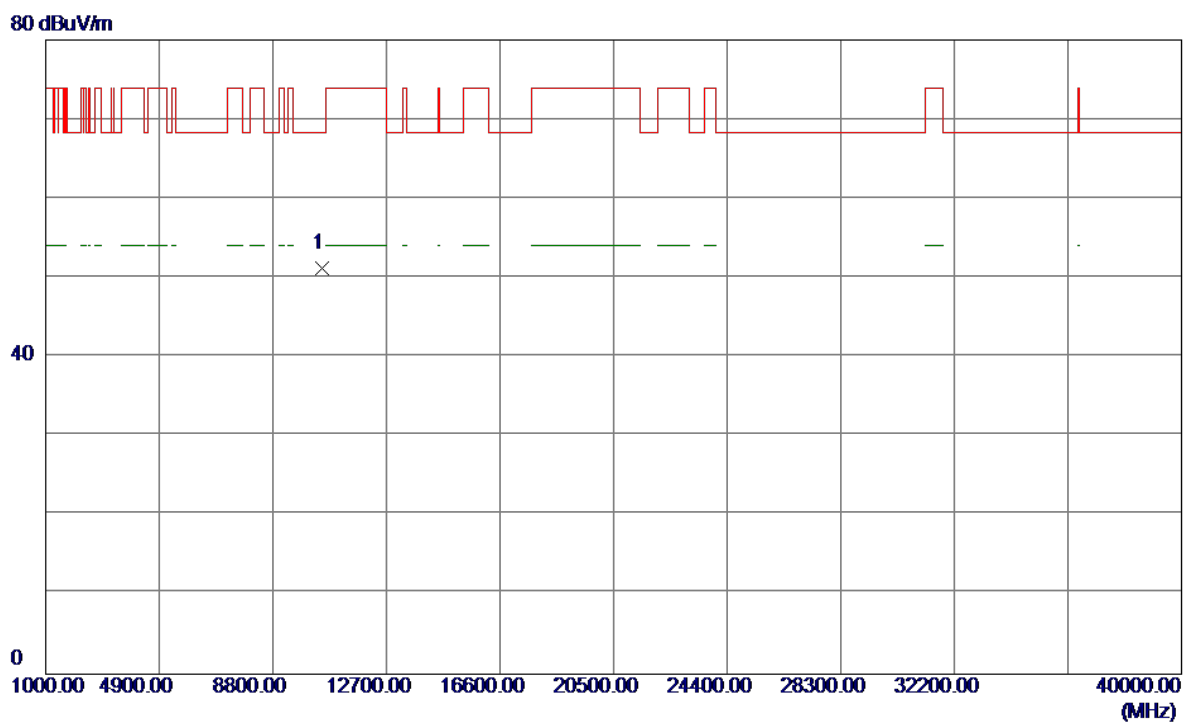
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5236.7000	65.24	41.54	106.78	68.30	38.48	Peak	No Limit
2 *	5246.7000	52.83	41.59	94.42	54.00	40.42	AVG	No Limit

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

Vertical

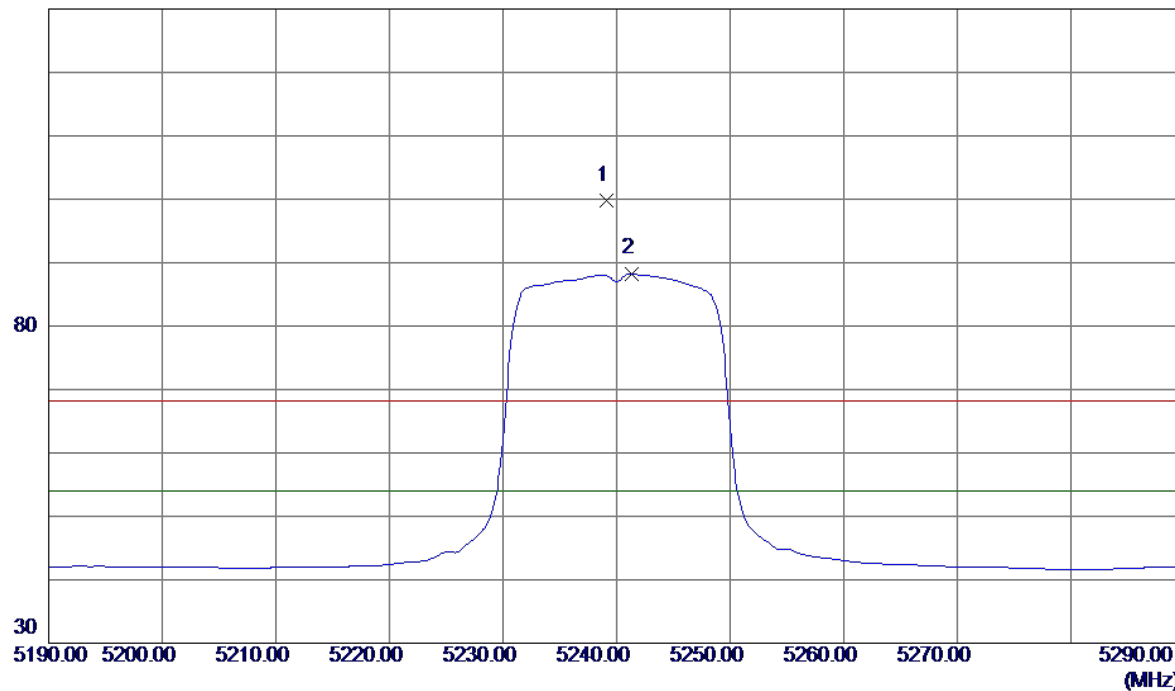


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10482.4000	34.50	16.66	51.16	68.30	-17.14	Peak	

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

Horizontal

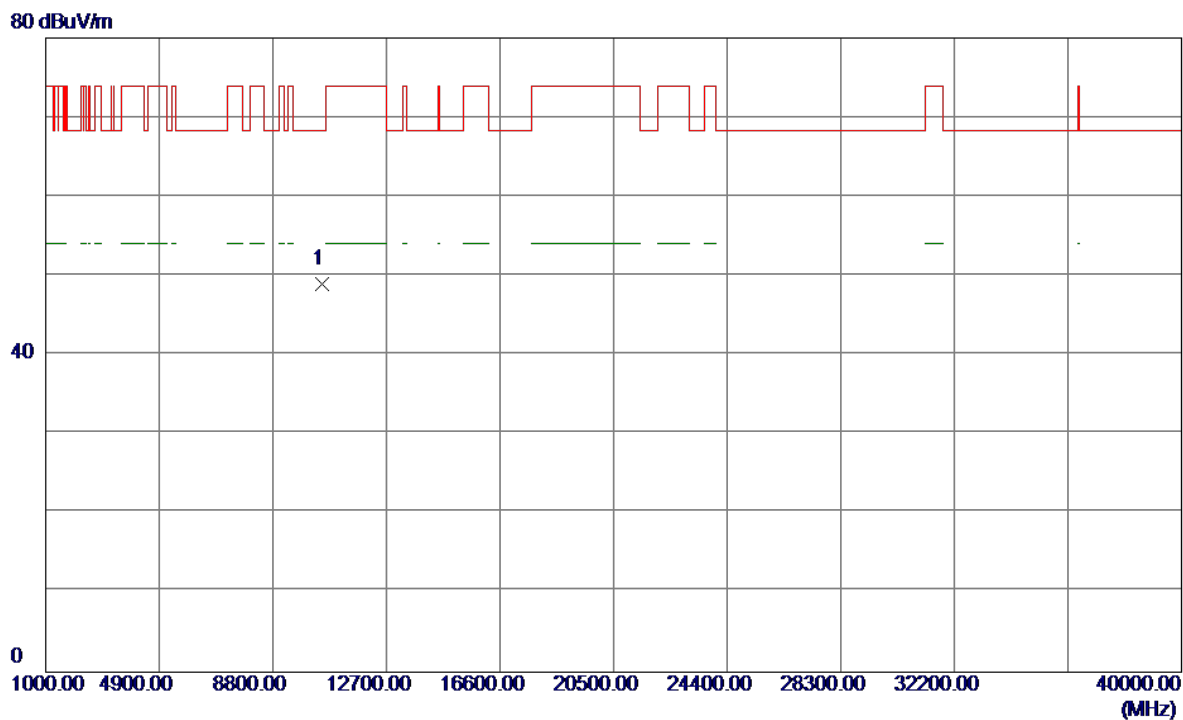
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5239.1000	58.29	41.55	99.84	68.30	31.54	Peak	No Limit
2 *	5241.3000	46.73	41.57	88.30	54.00	34.30	AVG	No Limit

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

Horizontal

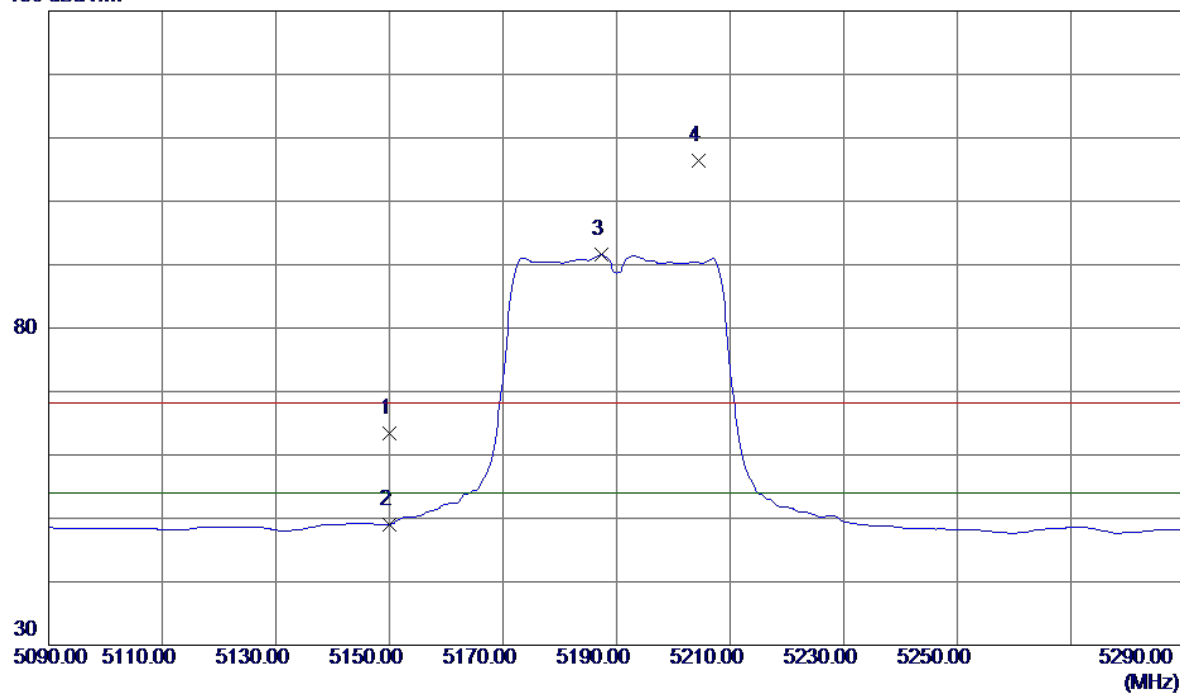


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.3600	32.27	16.65	48.92	68.30	-19.38	Peak	

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

Vertical

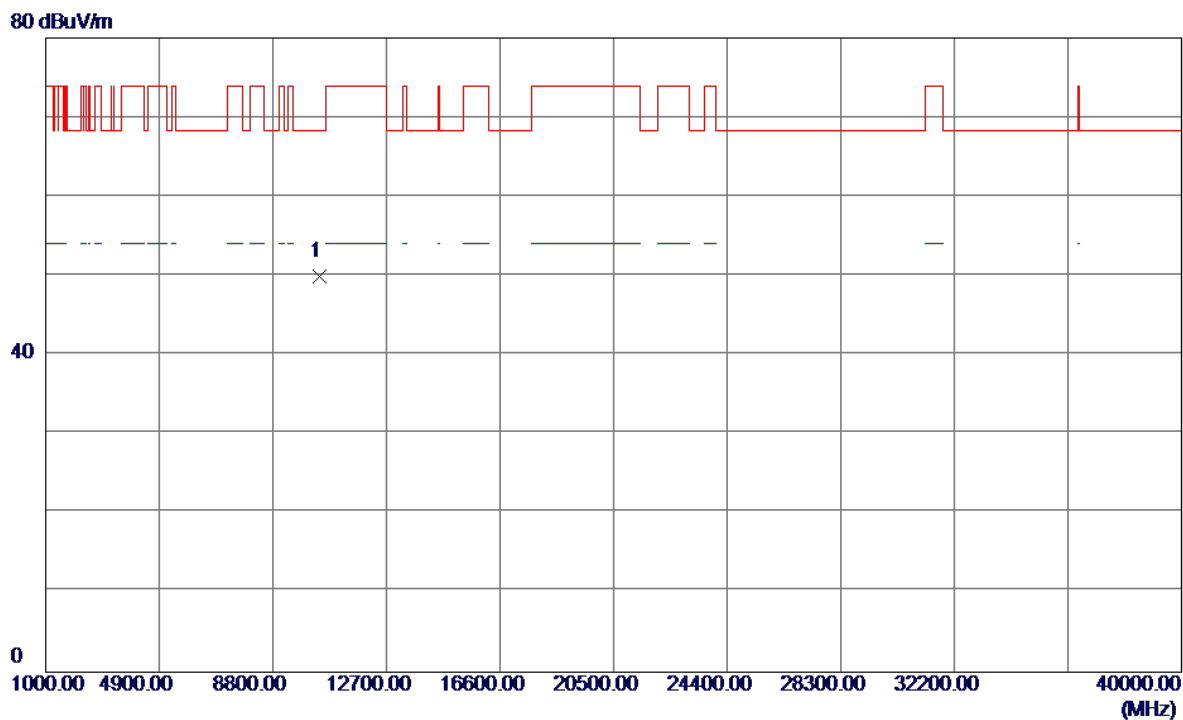
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.33	41.10	63.43	68.30	-4.87	Peak	
2	5150.0000	7.95	41.10	49.05	54.00	-4.95	AVG	
3	5187.4000	50.23	41.29	91.52	54.00	37.52	AVG	No Limit
4 *	5204.4000	65.10	41.38	106.48	68.30	38.18	Peak	No Limit

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

Vertical

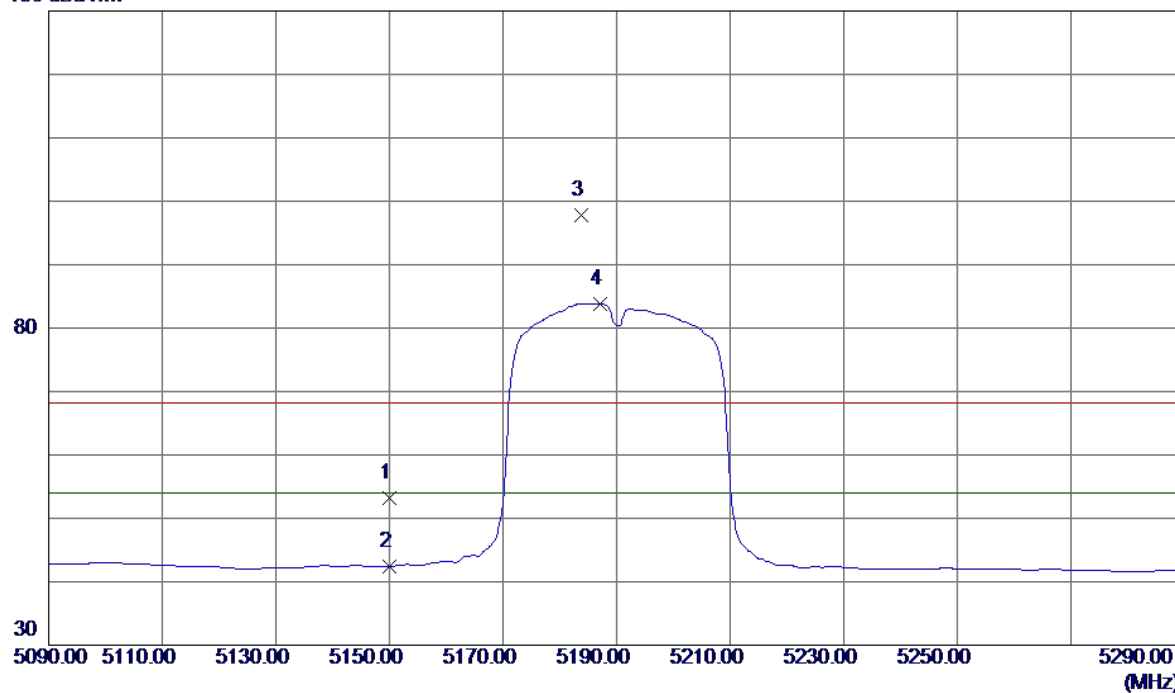


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10385.4400	33.49	16.40	49.89	68.30	-18.41	Peak	

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

Horizontal

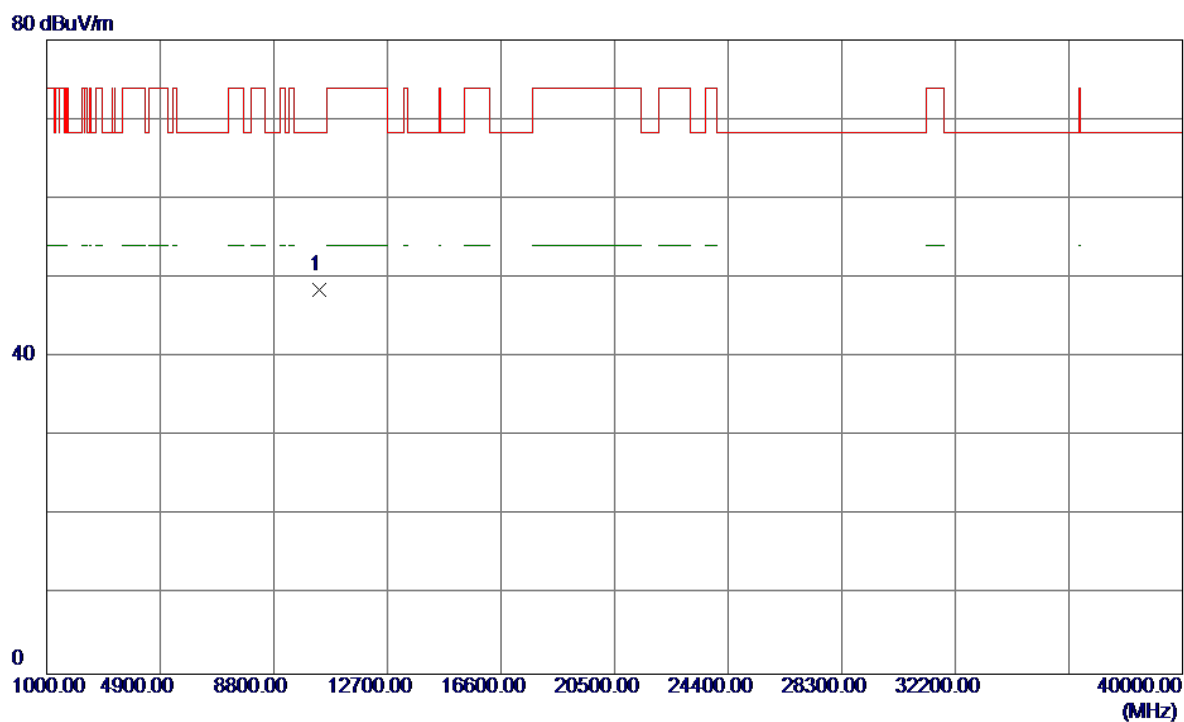
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	12.16	41.10	53.26	68.30	-15.04	Peak	
2	5150.0000	1.31	41.10	42.41	54.00	-11.59	AVG	
3	5183.8000	56.48	41.27	97.75	68.30	29.45	Peak	No Limit
4 *	5187.2000	42.60	41.29	83.89	54.00	29.89	AVG	No Limit

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

Horizontal

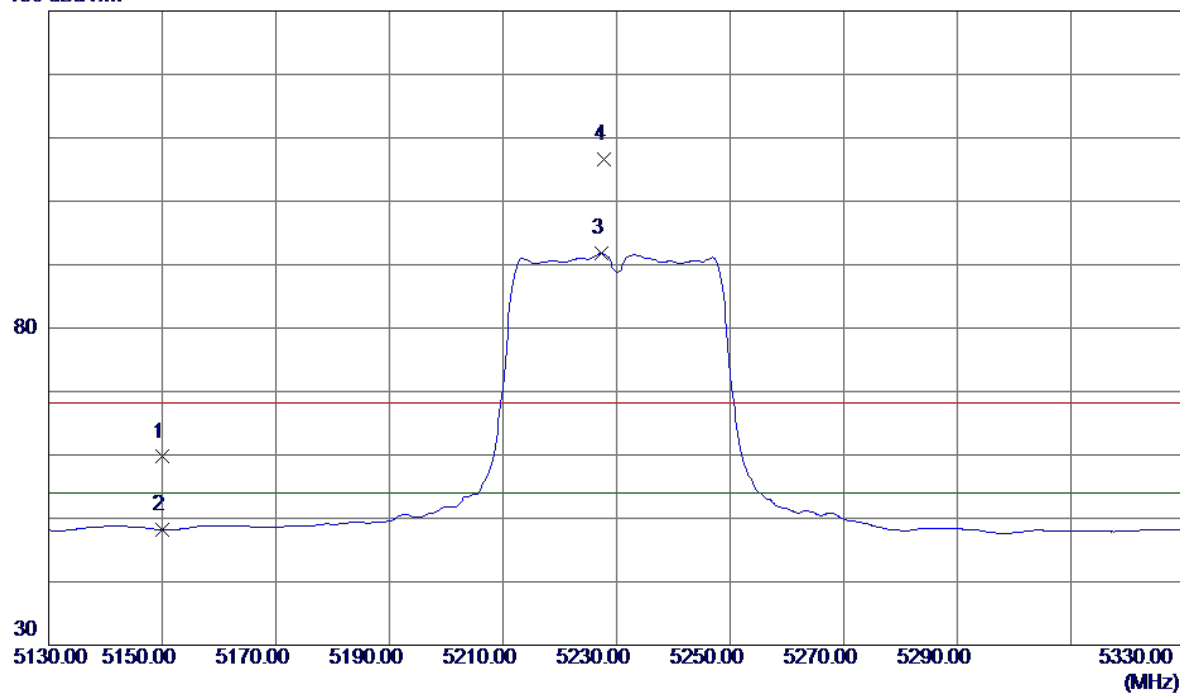


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10378.0400	32.15	16.38	48.53	68.30	-19.77	Peak	

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

Vertical

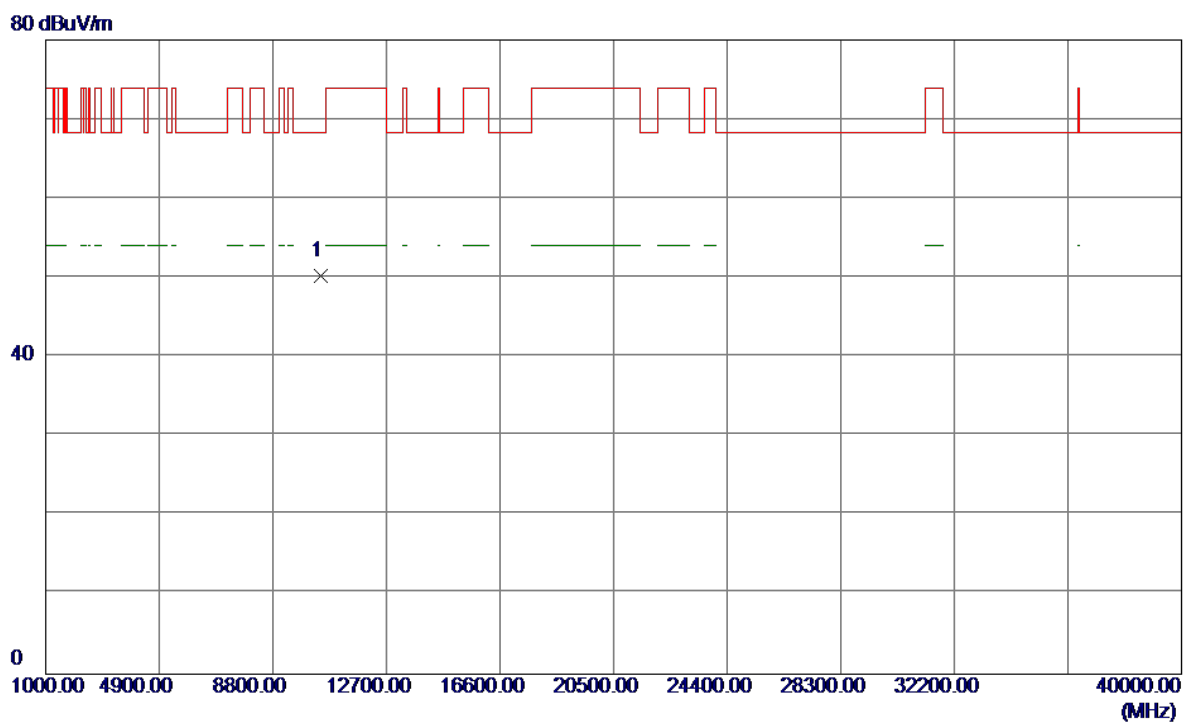
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	18.60	41.10	59.70	68.30	-8.60	Peak	
2	5150.0000	7.02	41.10	48.12	54.00	-5.88	AVG	
3	5227.4000	50.27	41.50	91.77	54.00	37.77	AVG	No Limit
4 *	5227.8000	65.08	41.50	106.58	68.30	38.28	Peak	No Limit

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

Vertical

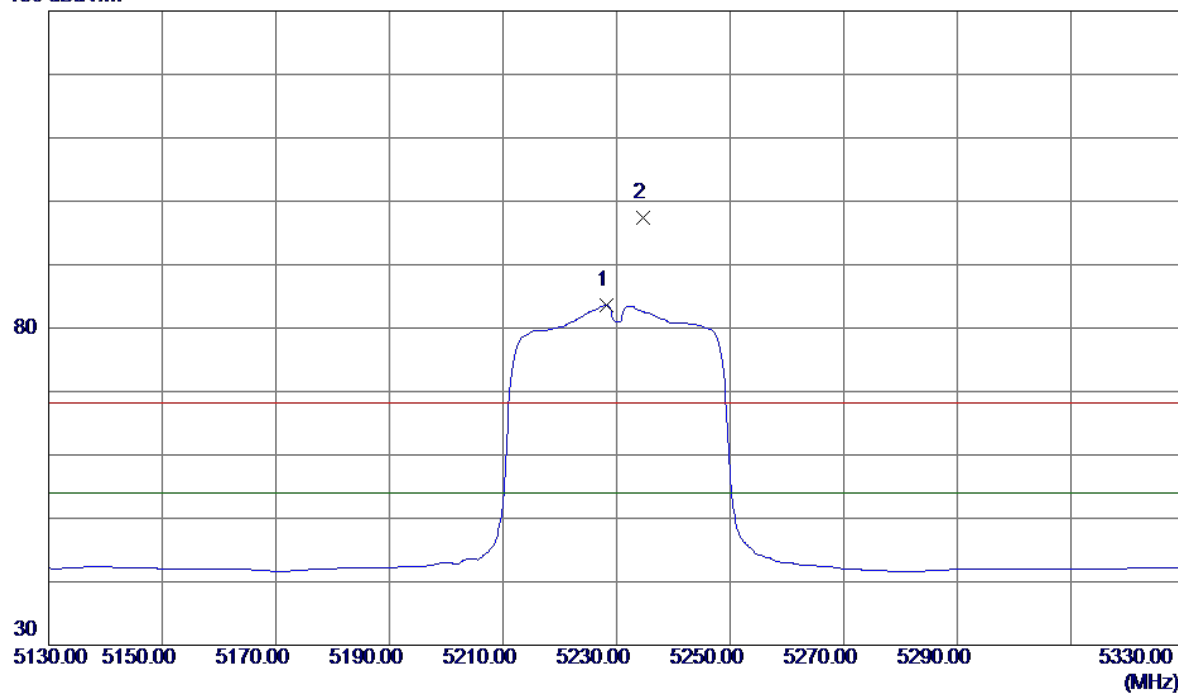


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10459.7000	33.71	16.60	50.31	68.30	-17.99	Peak	

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

Horizontal

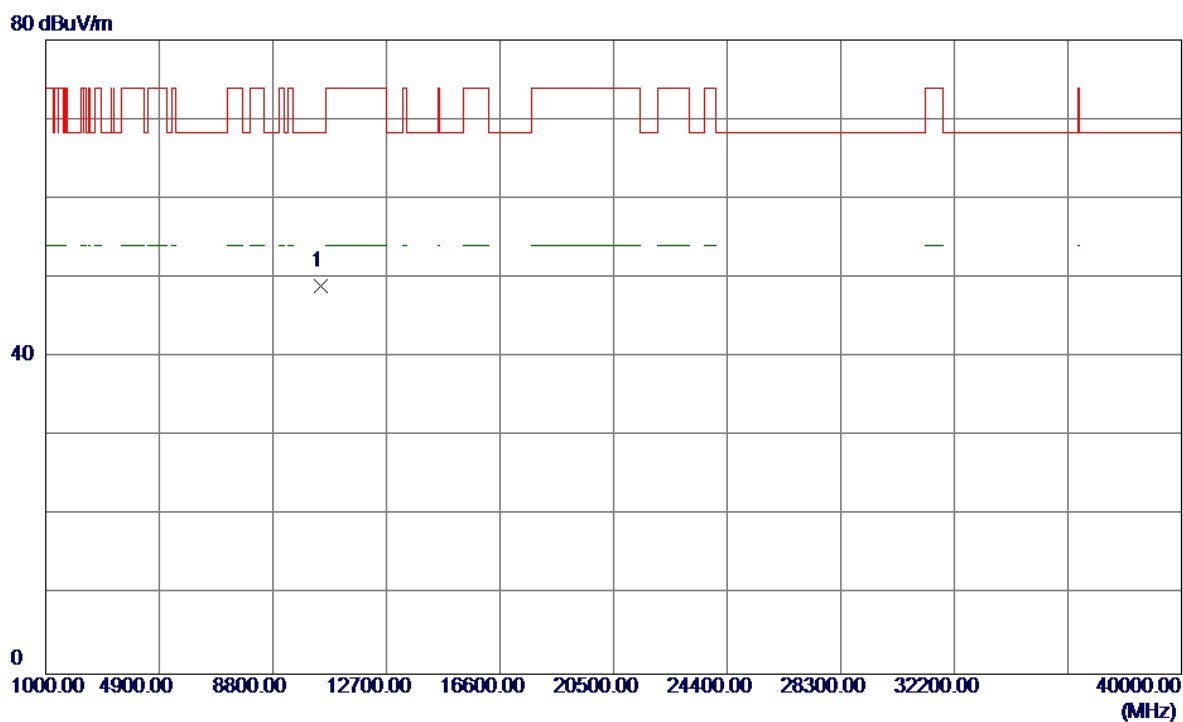
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5228.2000	42.10	41.50	83.60	54.00	29.60	AVG	No Limit
2	5234.6000	55.85	41.53	97.38	68.30	29.08	Peak	No Limit

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

Horizontal

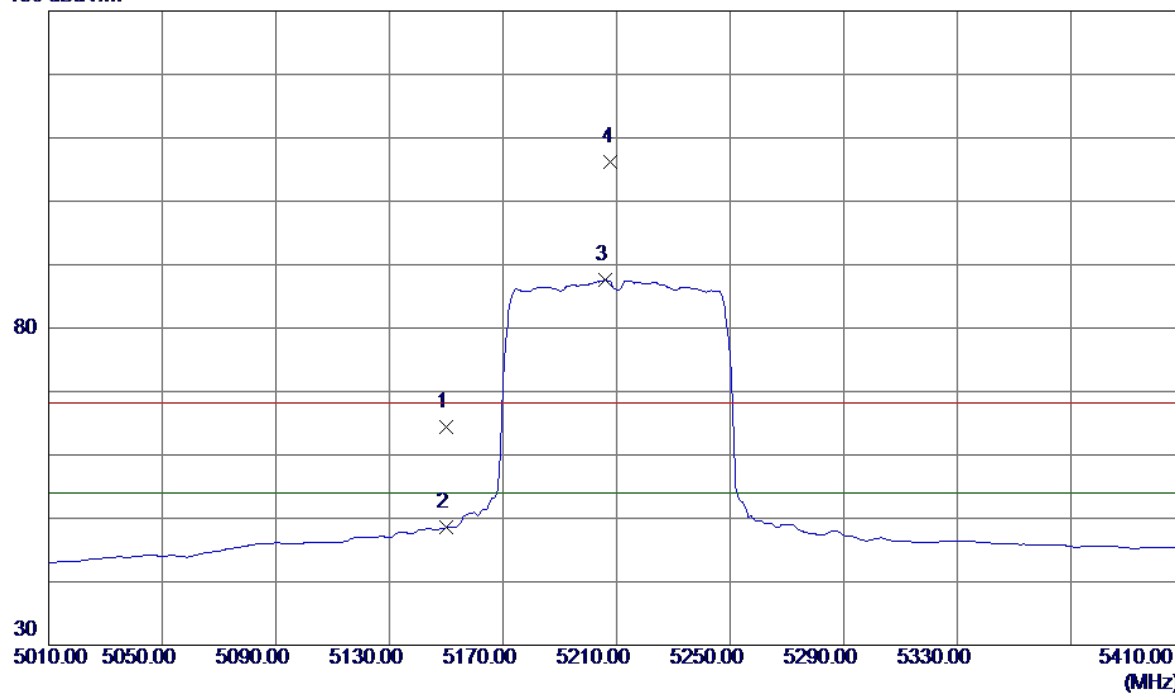


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10461.6400	32.31	16.60	48.91	68.30	-19.39	Peak	

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

Vertical

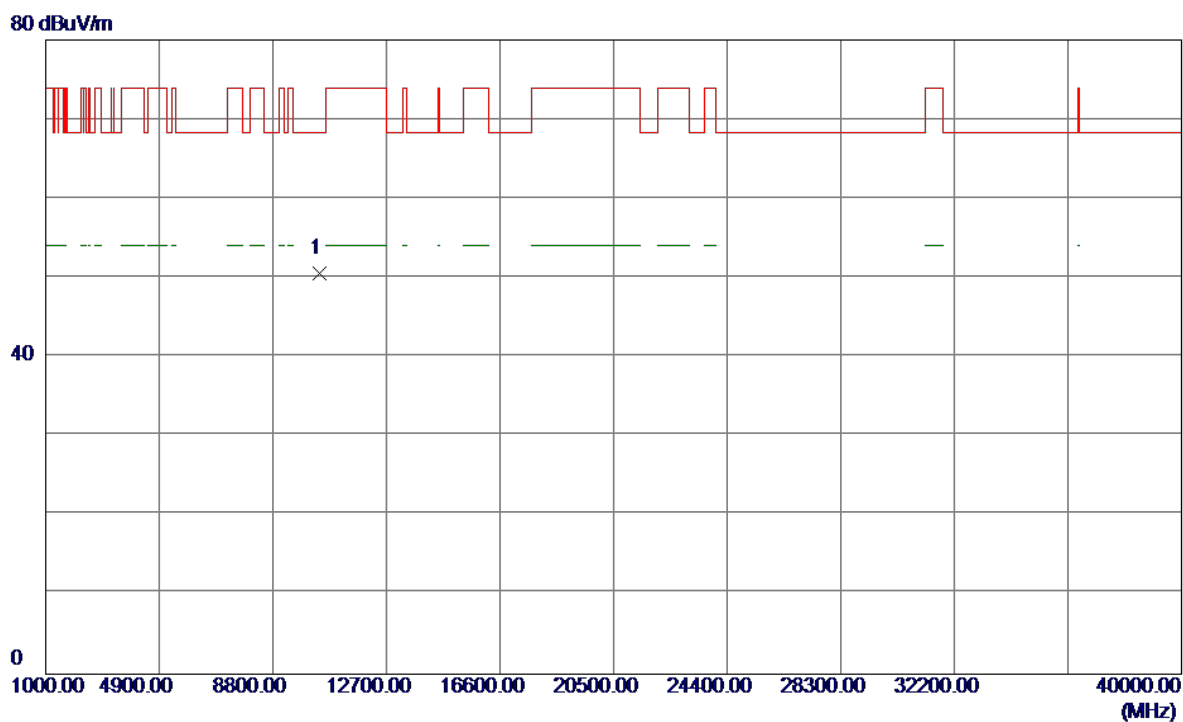
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.31	41.10	64.41	68.30	-3.89	Peak	
2	5150.0000	7.42	41.10	48.52	54.00	-5.48	AVG	
3	5206.0000	46.16	41.39	87.55	54.00	33.55	AVG	No Limit
4 *	5208.0000	64.73	41.40	106.13	68.30	37.83	Peak	No Limit

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

Vertical

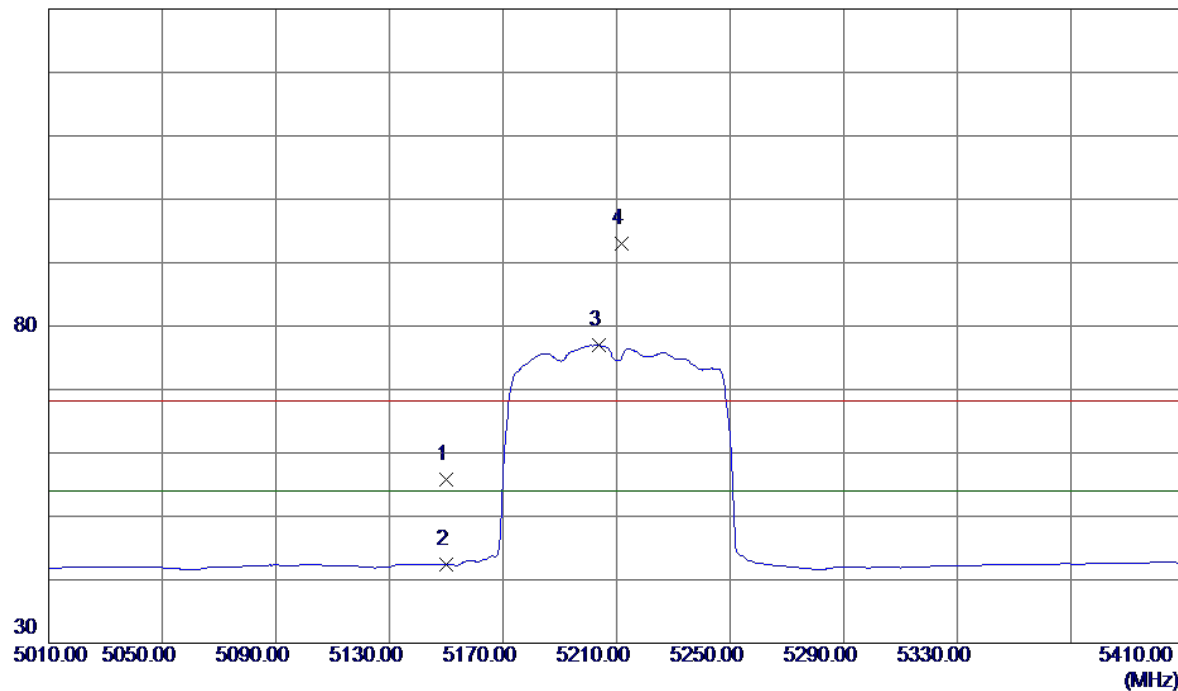


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10417.3000	34.02	16.48	50.50	68.30	-17.80	Peak	

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

Horizontal

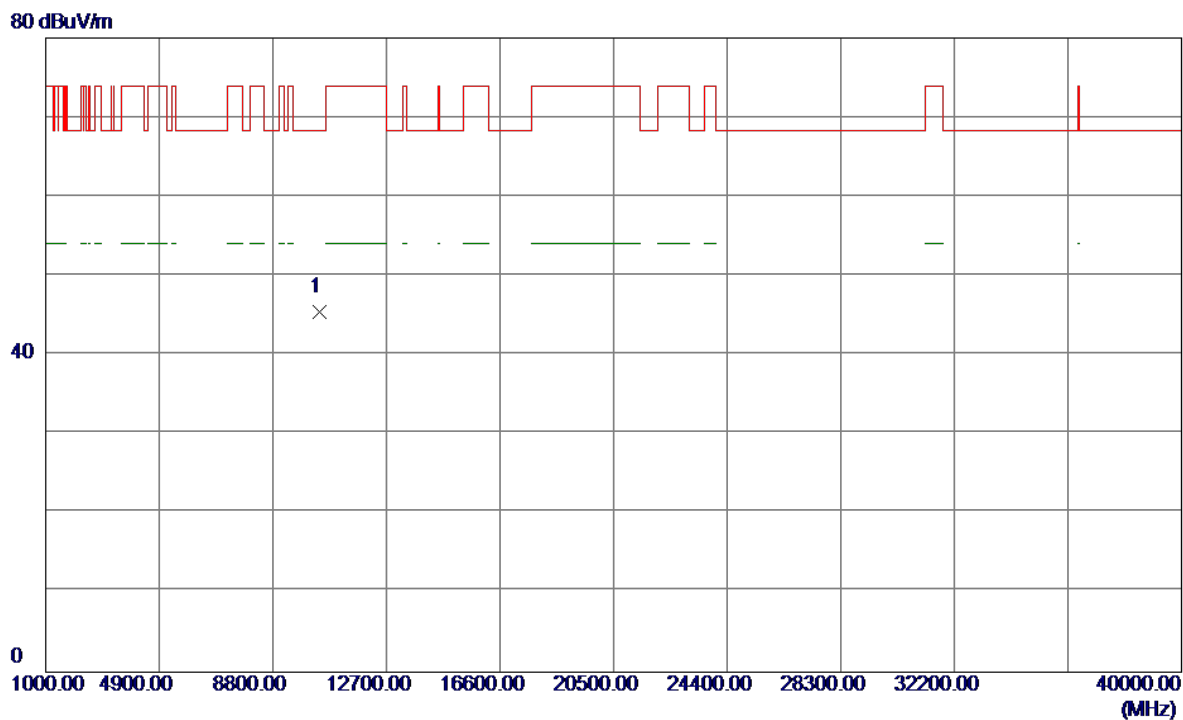
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	14.62	41.10	55.72	68.30	-12.58	Peak	
2	5150.0000	1.36	41.10	42.46	54.00	-11.54	AVG	
3	5203.6000	35.66	41.37	77.03	54.00	23.03	AVG	No Limit
4 *	5211.6000	51.67	41.41	93.08	68.30	24.78	Peak	No Limit

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

Horizontal

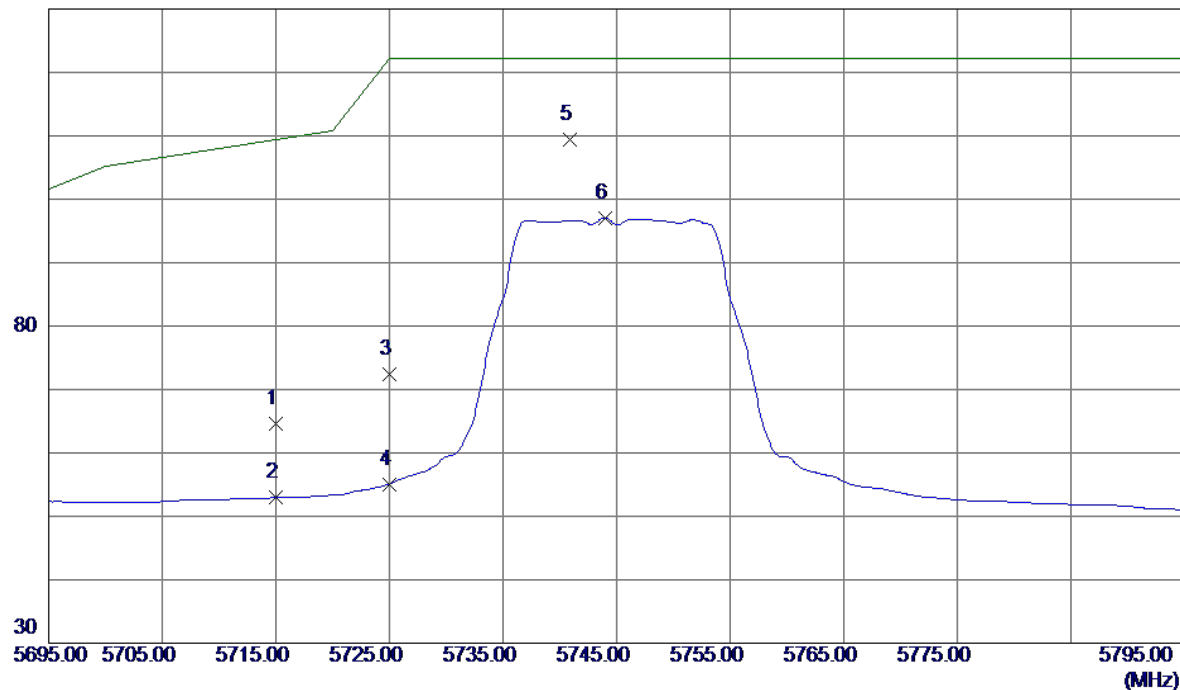


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10418.1000	28.99	16.49	45.48	68.30	-22.82	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

Vertical

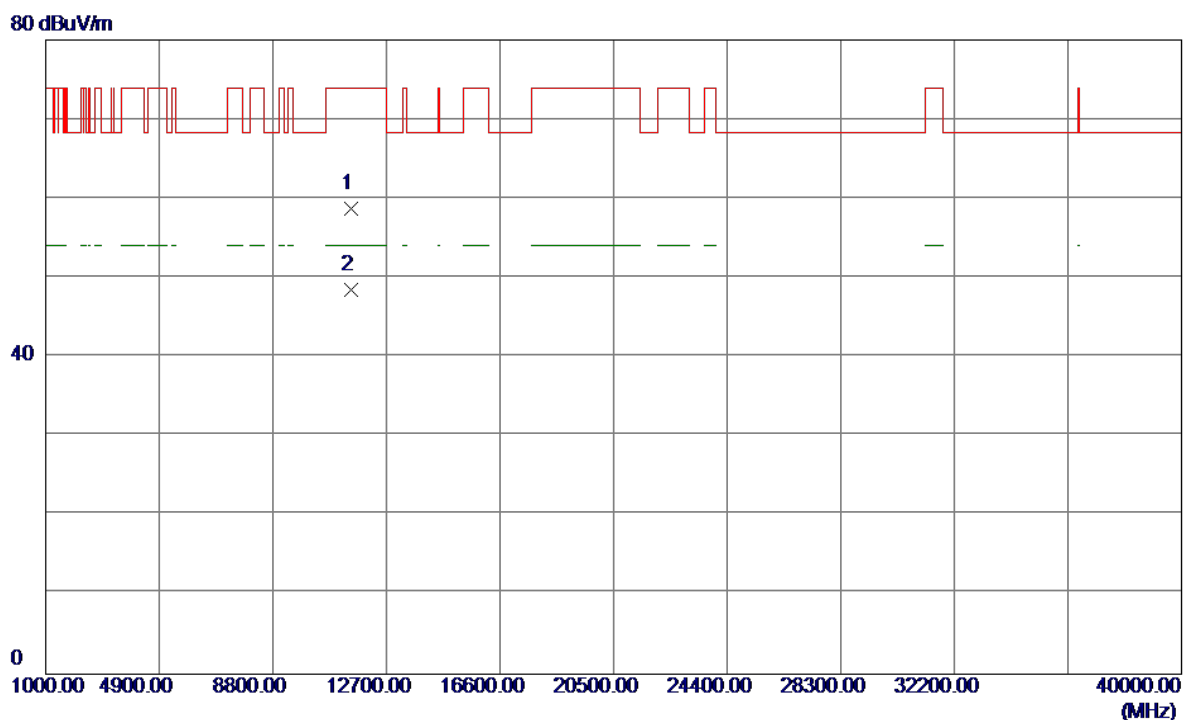
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	21.06	43.53	64.59	109.40	-44.81	Peak	
2	5715.0000	9.39	43.53	52.92	109.40	-56.48	AVG	
3	5725.0000	28.89	43.56	72.45	122.20	-49.75	Peak	
4	5725.0000	11.53	43.56	55.09	122.20	-67.11	AVG	
5 *	5740.9000	65.87	43.61	109.48	122.20	-12.72	Peak	
6	5744.0000	53.39	43.62	97.01	122.20	-25.19	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

Vertical

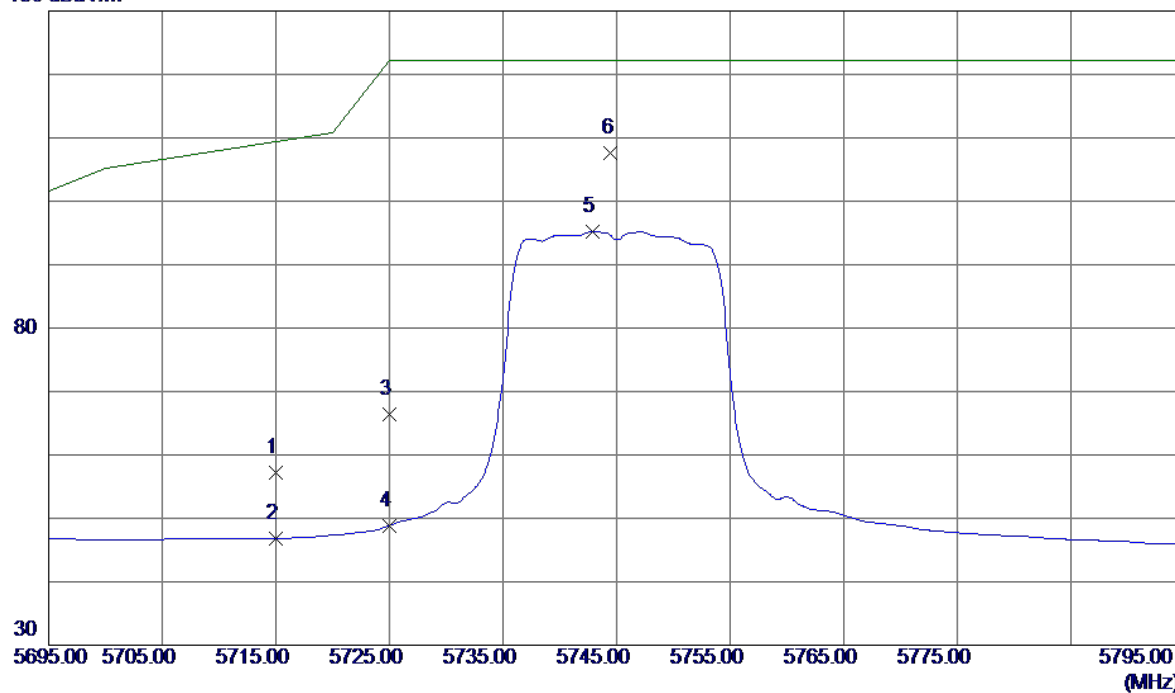


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11488.7600	40.94	17.75	58.69	74.00	-15.31	Peak	
2 *	11491.7000	30.72	17.76	48.48	54.00	-5.52	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

Horizontal

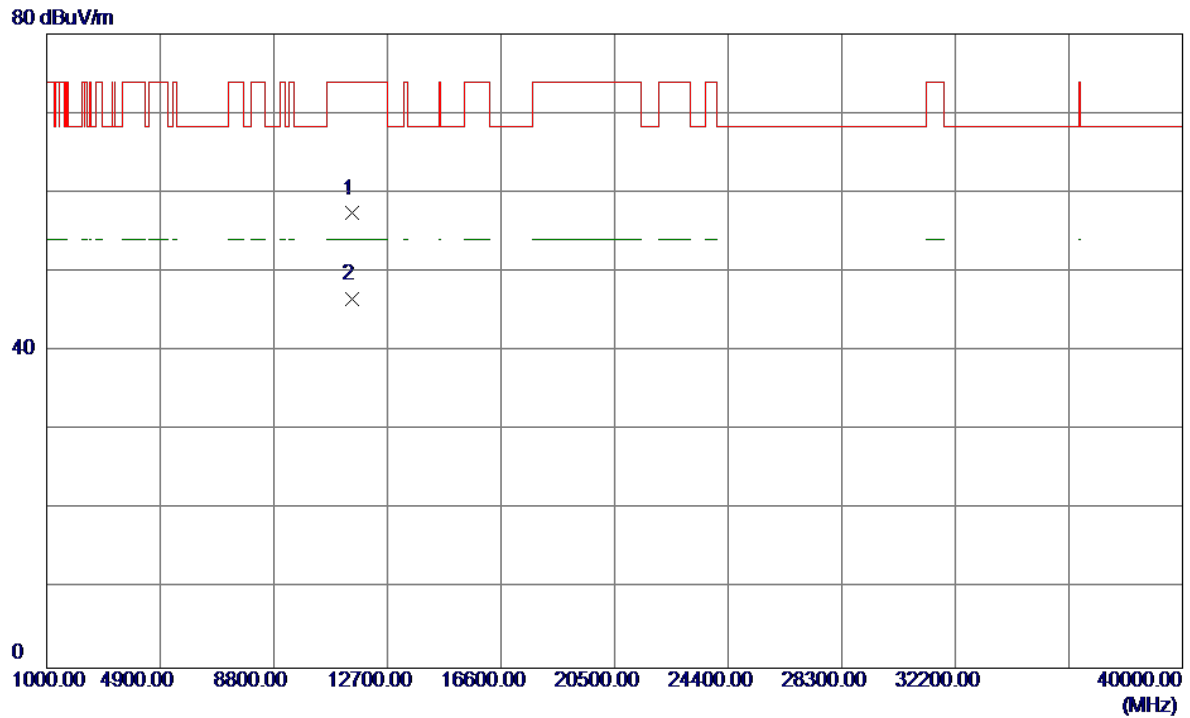
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	13.72	43.53	57.25	109.40	-52.15	Peak	
2	5715.0000	3.28	43.53	46.81	109.40	-62.59	AVG	
3	5725.0000	22.88	43.56	66.44	122.20	-55.76	Peak	
4	5725.0000	5.32	43.56	48.88	122.20	-73.32	AVG	
5	5742.9000	51.64	43.61	95.25	122.20	-26.95	AVG	
6 *	5744.5000	64.03	43.62	107.65	122.20	-14.55	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

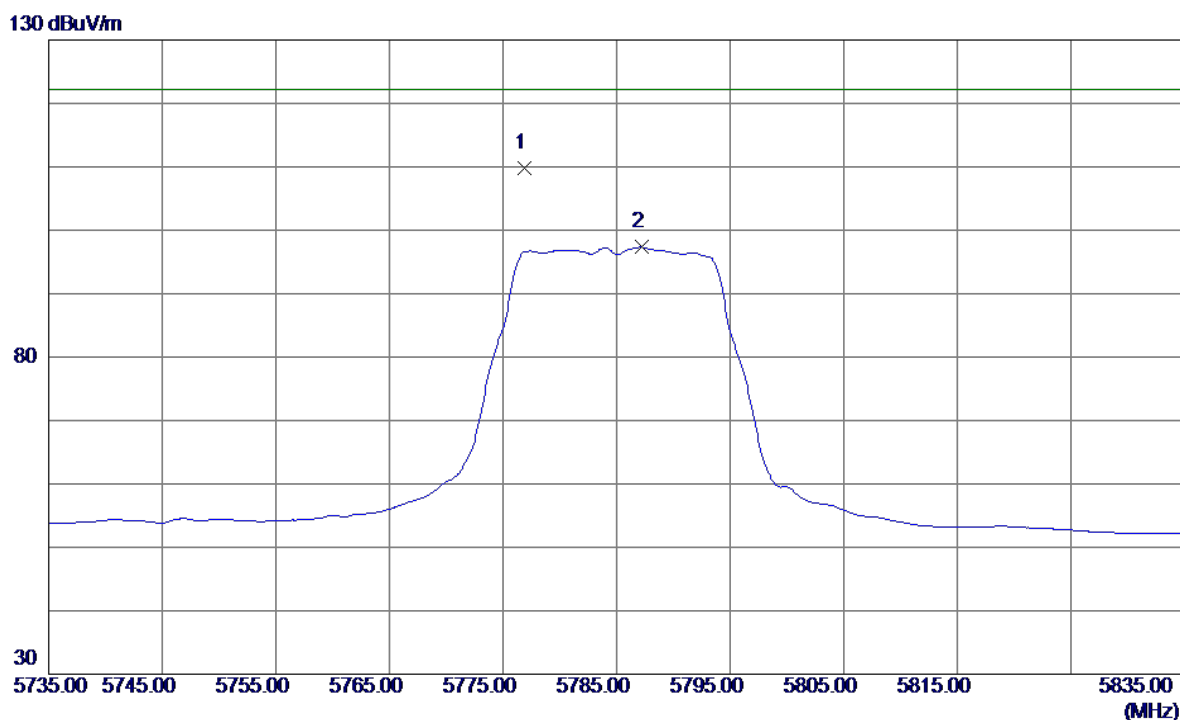
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11486.7600	39.62	17.74	57.36	74.00	-16.64	Peak	
2 *	11487.9800	28.82	17.74	46.56	54.00	-7.44	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

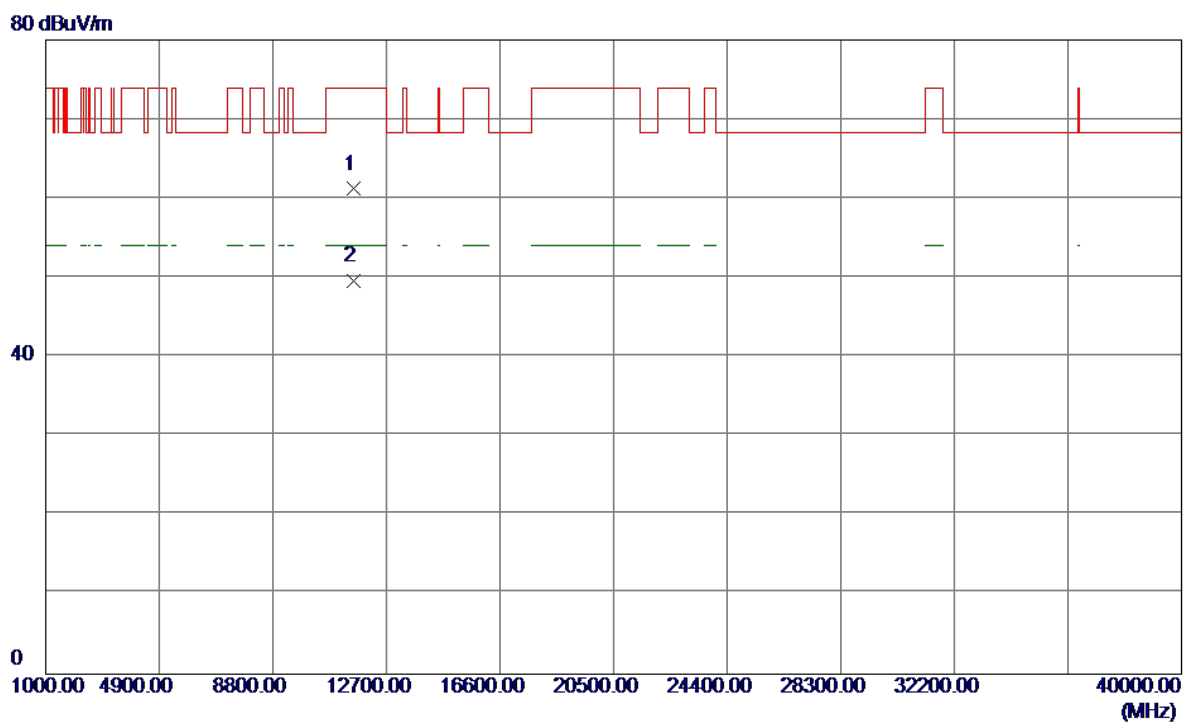
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5776.9000	66.05	43.72	109.77	122.20	-12.43	Peak	
2	5787.2000	53.56	43.75	97.31	122.20	-24.89	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

Vertical

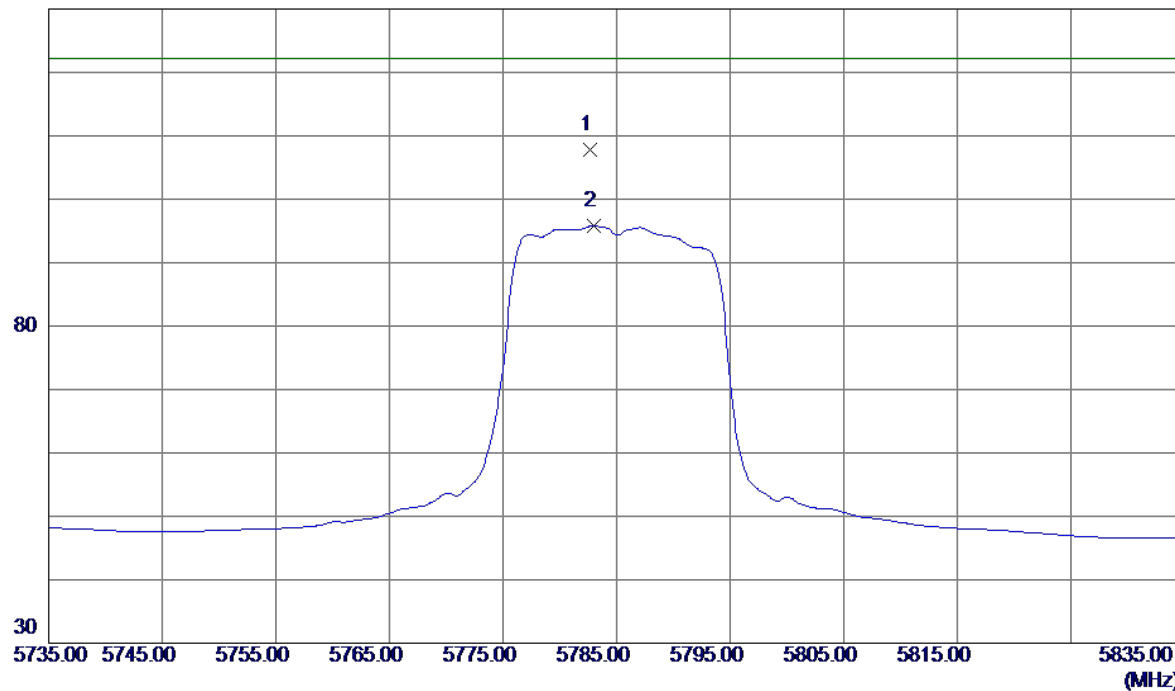


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11568.2200	43.38	17.82	61.20	74.00	-12.80	Peak	
2 *	11571.9800	31.80	17.82	49.62	54.00	-4.38	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

Horizontal

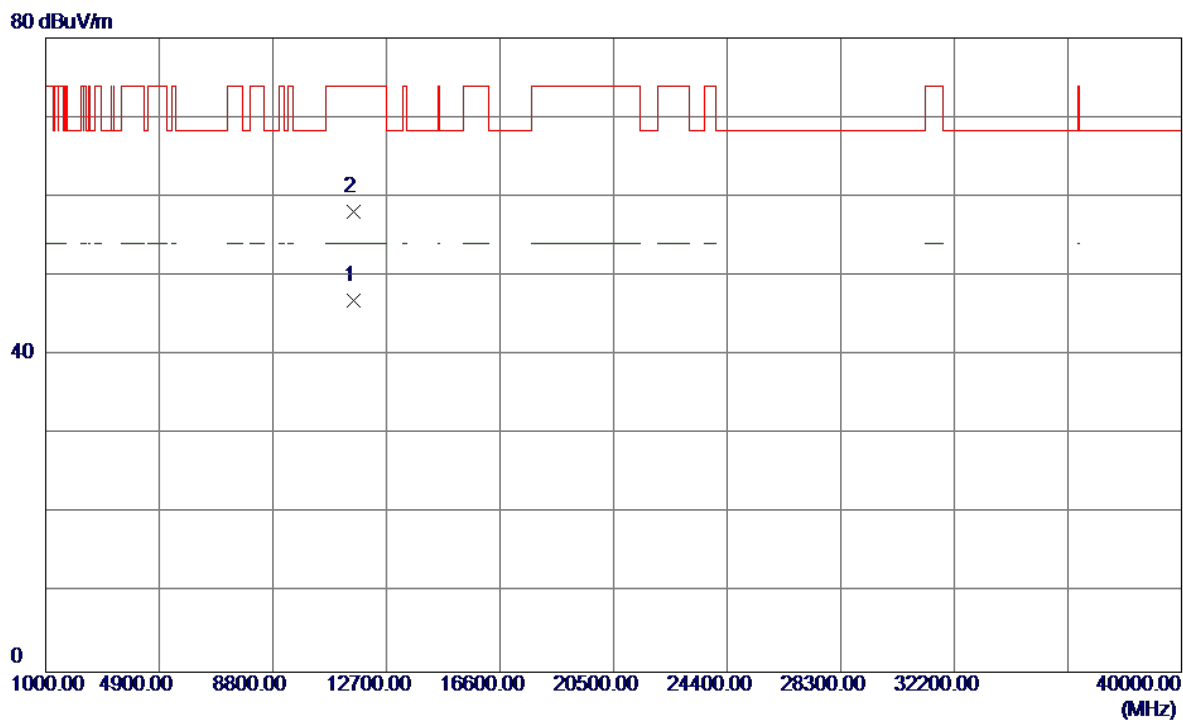
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5782.7000	64.16	43.73	107.89	122.20	-14.31	Peak	
2	5783.0000	52.04	43.73	95.77	122.20	-26.43	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

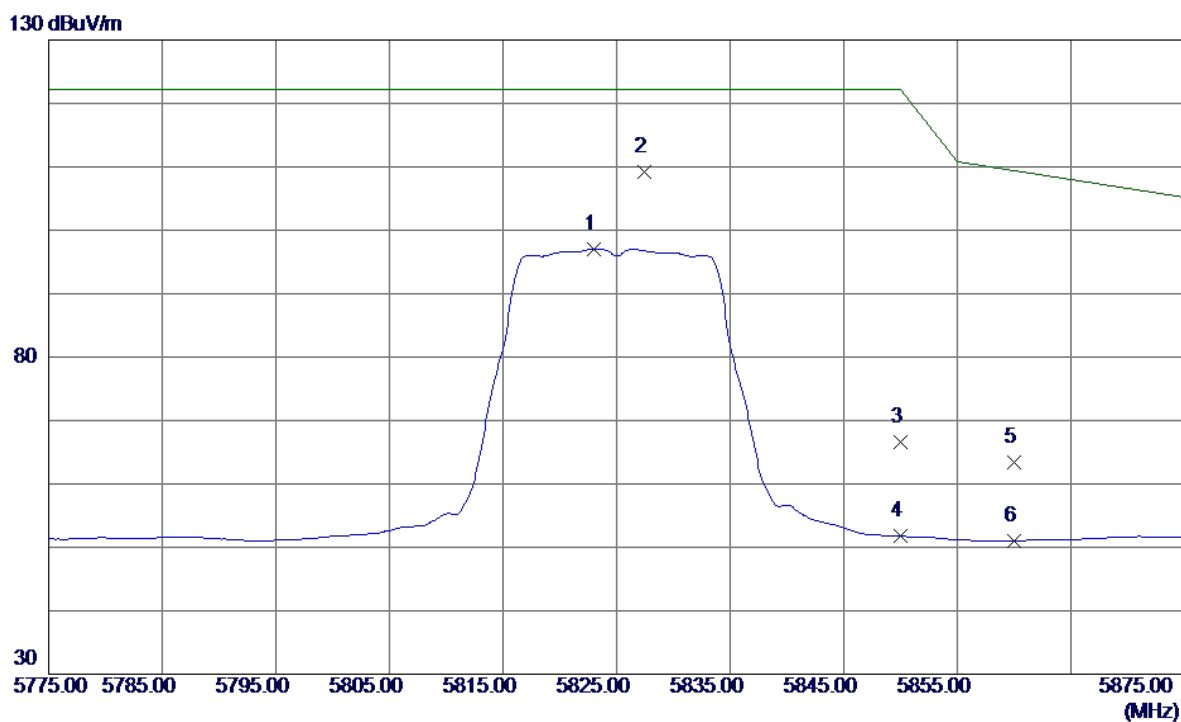
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11571.0000	29.01	17.82	46.83	54.00	-7.17	AVG	
2	11572.8200	40.19	17.82	58.01	74.00	-15.99	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

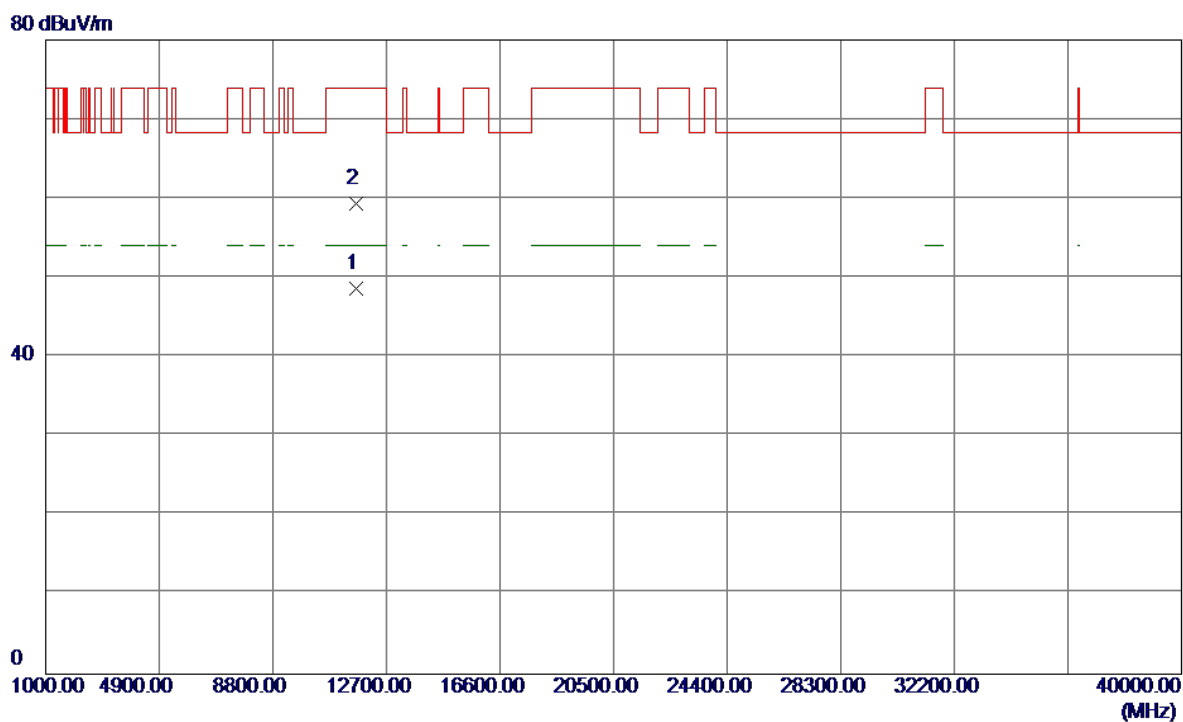
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5823.0000	53.17	43.86	97.03	122.20	-25.17	AVG	
2 *	5827.4000	65.41	43.87	109.28	122.20	-12.92	Peak	
3	5850.0000	22.69	43.94	66.63	122.20	-55.57	Peak	
4	5850.0000	7.80	43.94	51.74	122.20	-70.46	AVG	
5	5860.0000	19.47	43.97	63.44	109.40	-45.96	Peak	
6	5860.0000	7.07	43.97	51.04	109.40	-58.36	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

Vertical

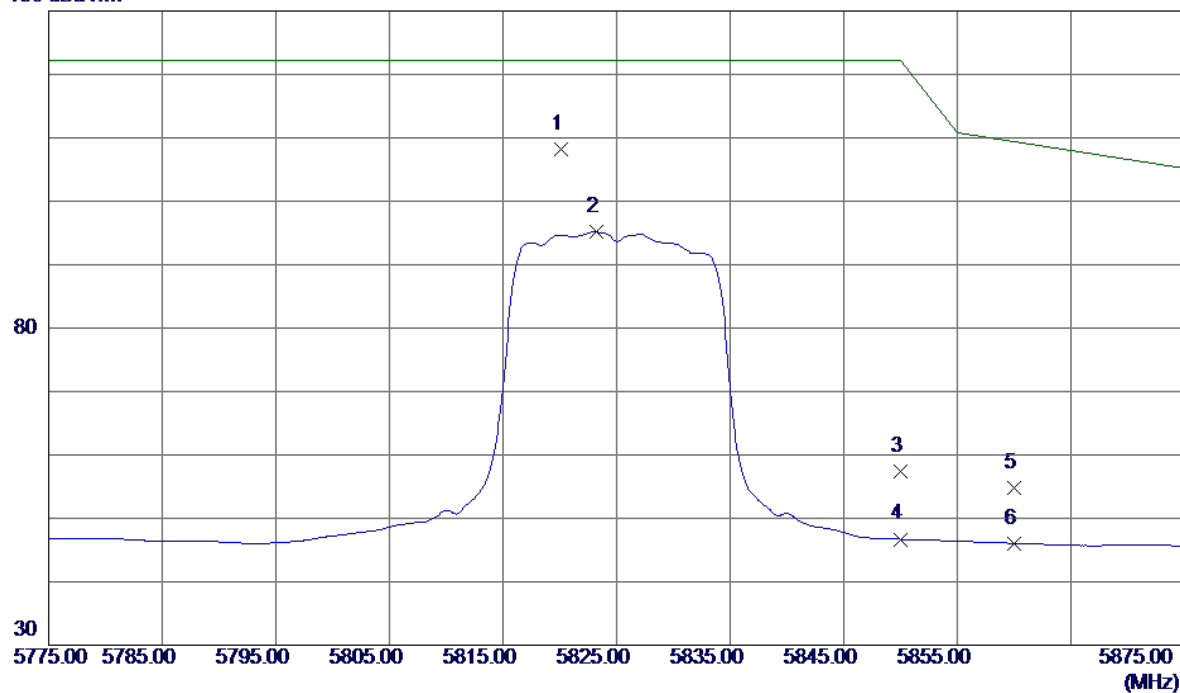


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11648.3200	30.74	17.86	48.60	54.00	-5.40	AVG	
2	11649.5800	41.50	17.86	59.36	74.00	-14.64	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

Horizontal

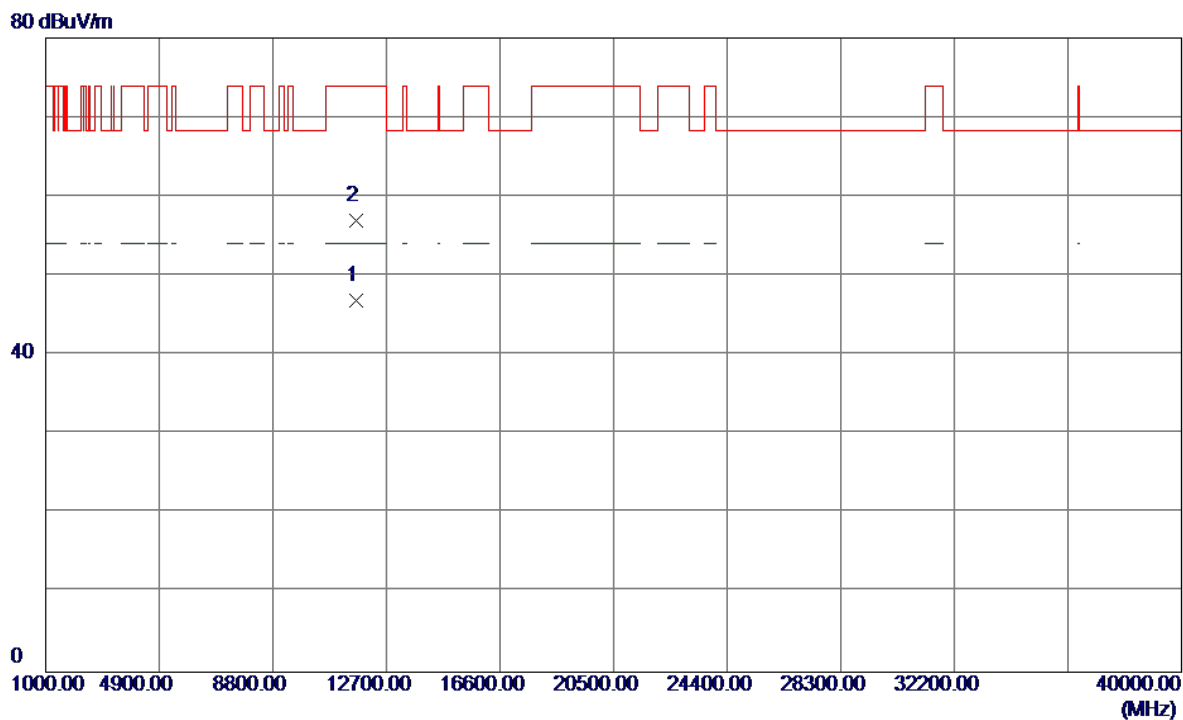
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5820.1000	64.33	43.85	108.18	122.20	-14.02	Peak	
2	5823.2000	51.28	43.86	95.14	122.20	-27.06	AVG	
3	5850.0000	13.42	43.94	57.36	122.20	-64.84	Peak	
4	5850.0000	2.76	43.94	46.70	122.20	-75.50	AVG	
5	5860.0000	10.87	43.97	54.84	109.40	-54.56	Peak	
6	5860.0000	2.09	43.97	46.06	109.40	-63.34	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

Horizontal

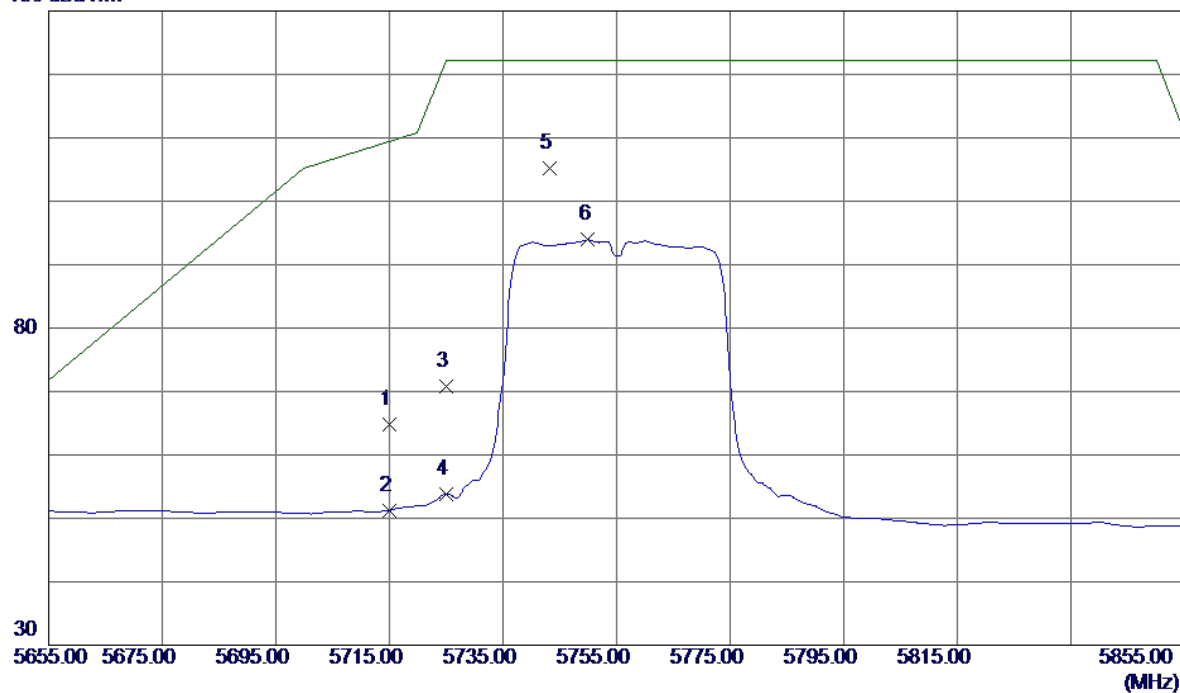


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11645.4800	28.97	17.86	46.83	54.00	-7.17	AVG	
2	11650.1200	39.11	17.86	56.97	74.00	-17.03	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

Vertical

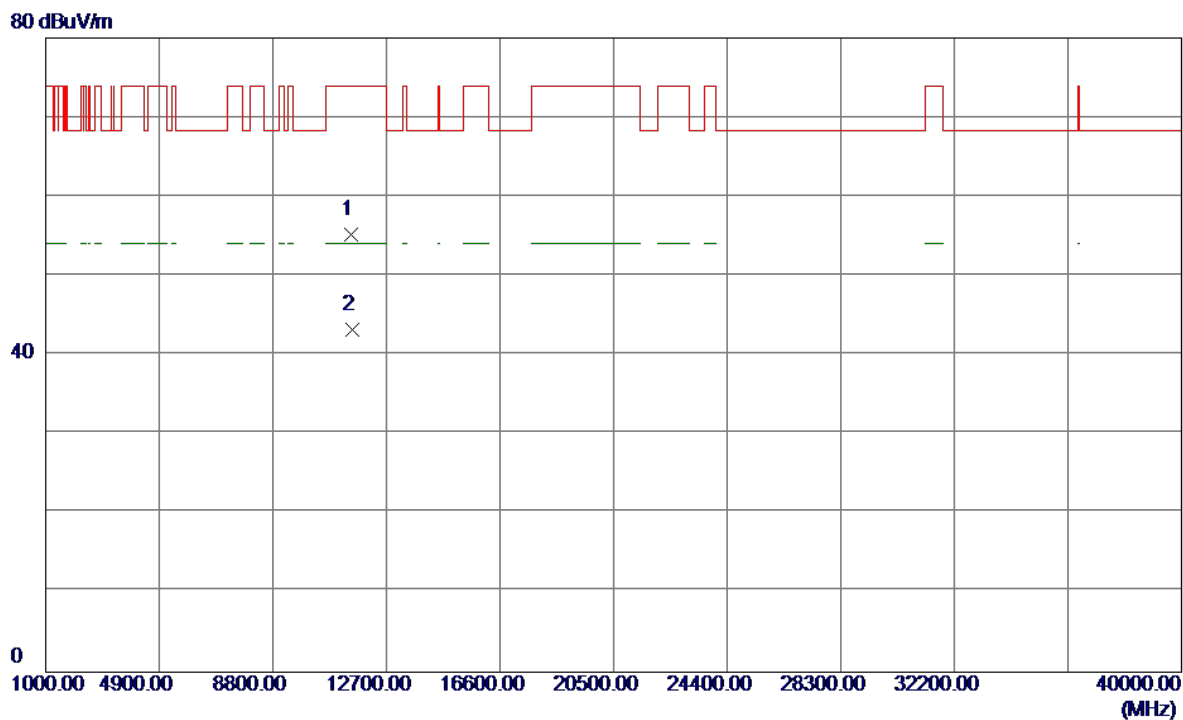
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	21.30	43.53	64.83	109.40	-44.57	Peak	
2	5715.0000	7.74	43.53	51.27	109.40	-58.13	AVG	
3	5725.0000	27.26	43.56	70.82	122.20	-51.38	Peak	
4	5725.0000	10.21	43.56	53.77	122.20	-68.43	AVG	
5 *	5743.2000	61.56	43.61	105.17	122.20	-17.03	Peak	
6	5750.0000	50.30	43.63	93.93	122.20	-28.27	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

Vertical

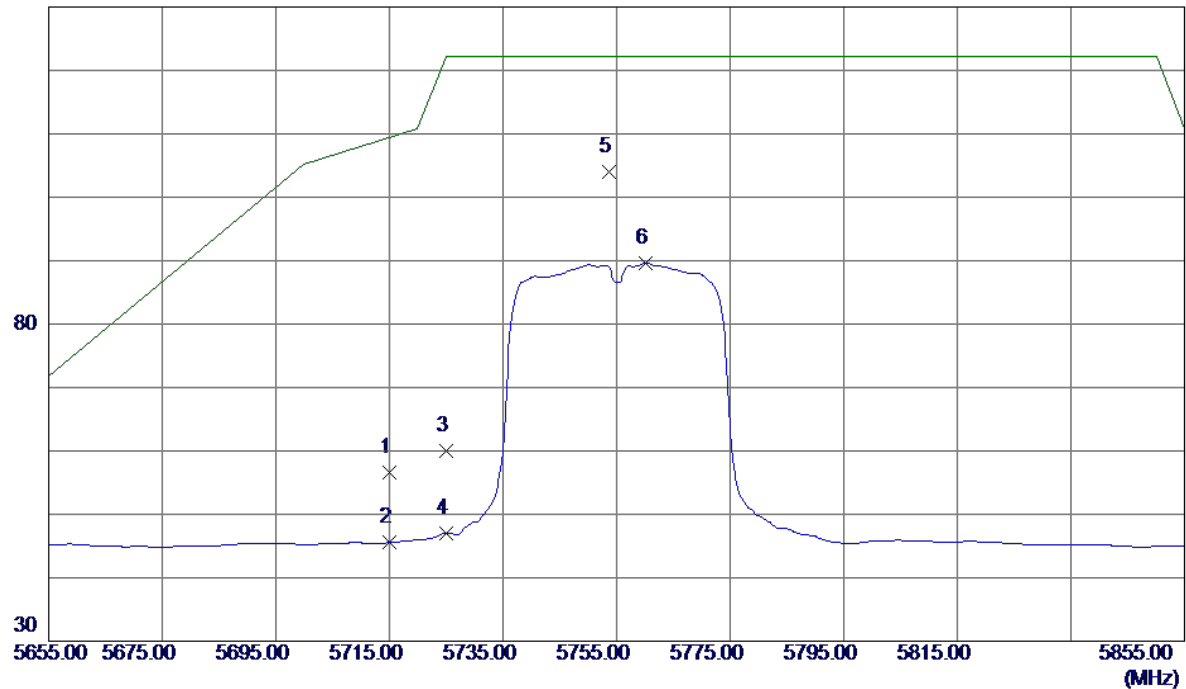


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11506.4800	37.42	17.79	55.21	74.00	-18.79	Peak	
2 *	11511.1600	25.38	17.79	43.17	54.00	-10.83	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

Horizontal

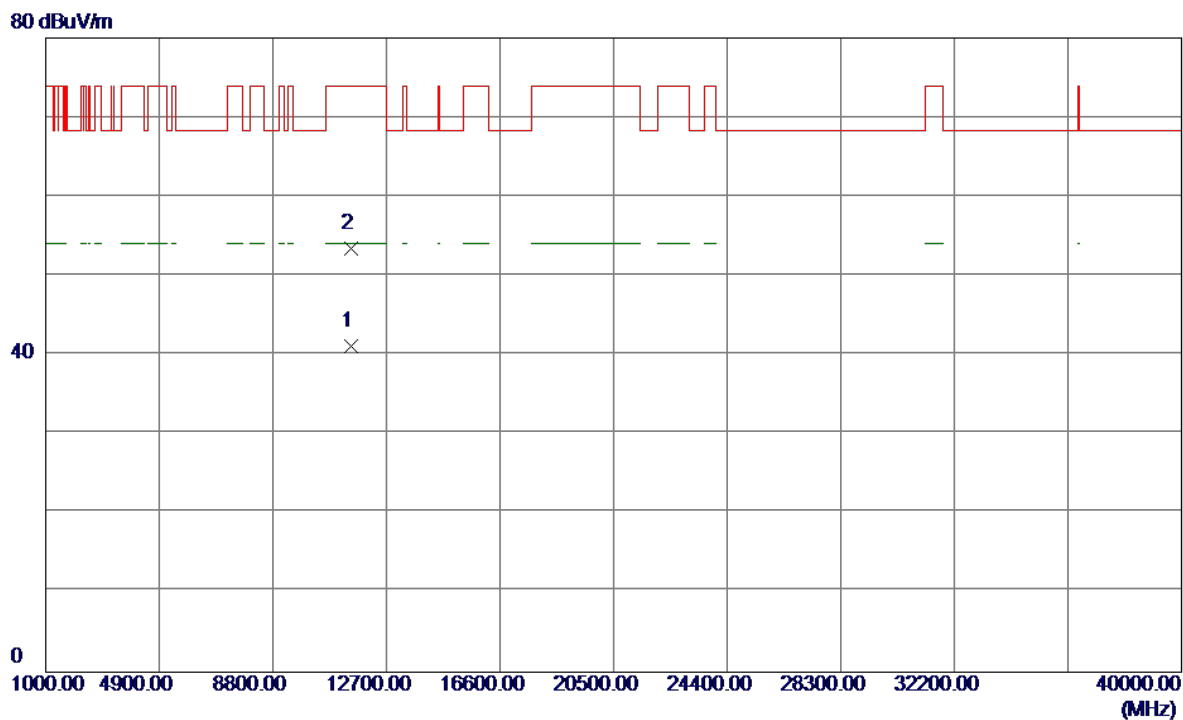
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	13.05	43.53	56.58	109.40	-52.82	Peak	
2	5715.0000	1.99	43.53	45.52	109.40	-63.88	AVG	
3	5725.0000	16.42	43.56	59.98	122.20	-62.22	Peak	
4	5725.0000	3.49	43.56	47.05	122.20	-75.15	AVG	
5 *	5753.6000	60.43	43.65	104.08	122.20	-18.12	Peak	
6	5760.2000	45.99	43.67	89.66	122.20	-32.54	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11503.6400	23.27	17.79	41.06	54.00	-12.94	AVG	
2	11506.5800	35.63	17.79	53.42	74.00	-20.58	Peak	