

FCC Radio Test Report

FCC ID: 2AFG6-RK3399

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

Project No. : 1703C059
Equipment : Android Module
Model Name : RK3399
Applicant : Guangzhou Shirui Electronics Co.,Ltd
Address : 192 Kezhu Road, Sciencetech Park, Guangzhou
Economic & Technology Development District,
Guangzhou,Guangdong,China

Date of Receipt : Mar. 08, 2017
Date of Test : Mar. 08, 2017 ~ Apr. 20, 2017
Issued Date : Apr. 21, 2017
Tested by : BTL Inc.

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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

Issued No.	Description	Issued Date
BTL-FCCP-1-1703C059	Original Issue.	Apr. 21, 2017

1. CERTIFICATION

Equipment : Android Module
Brand Name : SEEWO
Model Name : RK3399
Applicant : Guangzhou Shirui Electronics Co.,Ltd
Manufacturer: Guangzhou Shirui Electronics Co.,Ltd
Address : 192 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology
Development District, Guangzhou,Guangdong,China
Date of Test : Mar. 09, 2017 ~ Apr. 20, 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-4-1703C059) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

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: 319330

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	Android Module	
Brand Name	SEEWO	
Model Name	RK3399	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	150Mbps
Power Source	DC voltage supplied from AC/DC adapter.(Support Unit)	
Power Rating	12/19V 1.5A	
Output Power	Output Power (Max.)for UNII-1	802.11a: 14.37dBm 802.11n (20M): 14.59dBm 802.11n (40M): 10.54dBm 802.11ac (20M): 12.17dBm 802.11ac (40M): 10.58dBm 802.11ac (80M): 10.64dBm
	Output Power (Max.)for UNII-3	802.11a: 12.79dBm 802.11n (20M): 12.71dBm 802.11n (40M): 11.00dBm 802.11ac (20M): 11.61dBm 802.11ac (40M): 10.63dBm 802.11ac (80M): 10.25dBm

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	4.03	N/A

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

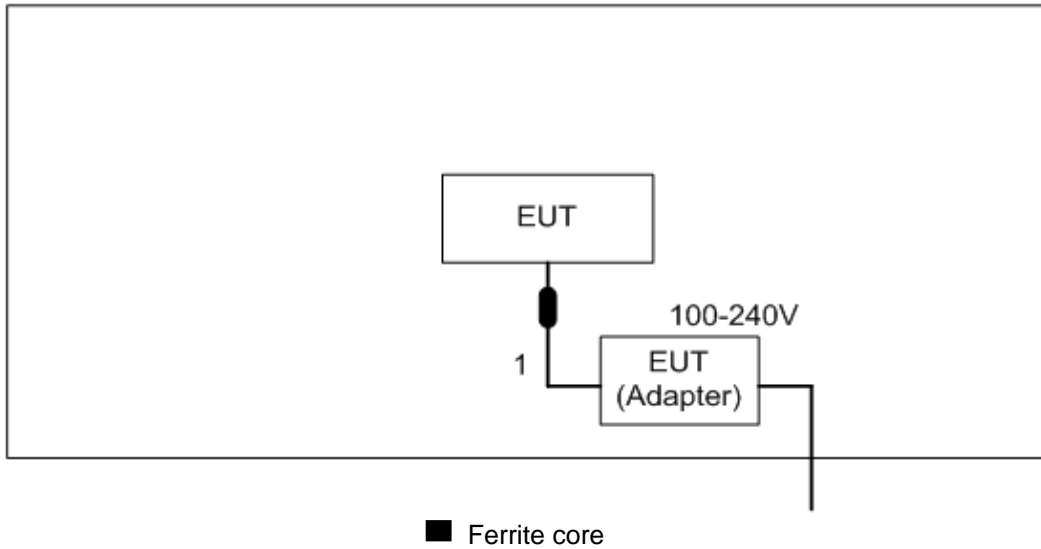
UNII-1			
Test Software Version	RFtest		
Frequency (MHz)	5180	5200	5240
A Mode	58	65	61
Frequency (MHz)	5180	5200	5240
N20 Mode	57	66	61
Frequency (MHz)	5190	5230	
N40 Mode	52	59	

UNII-1			
Test Software Version	RFtest		
Frequency (MHz)	5180	5200	5240
AC20 Mode	57	65	61
Frequency (MHz)	5190	5230	
AC40 Mode	52	59	
Frequency (MHz)	5210		
AC80 Mode	60		

UNII-3			
Test Software Version	RFtest		
Frequency (MHz)	5745	5785	5825
A Mode	64	64	61
Frequency (MHz)	5745	5785	5825
N20 Mode	64	64	63
Frequency (MHz)	5755	5795	
N40 Mode	61	60	

UNII-3			
Test Software Version	RFtest		
Frequency (MHz)	5745	5785	5825
AC20 Mode	64	64	61
Frequency (MHz)	5755	5795	
AC40 Mode	61	61	
Frequency (MHz)	5775		
AC80 Mode	60		

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	YES	1.5 m	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.

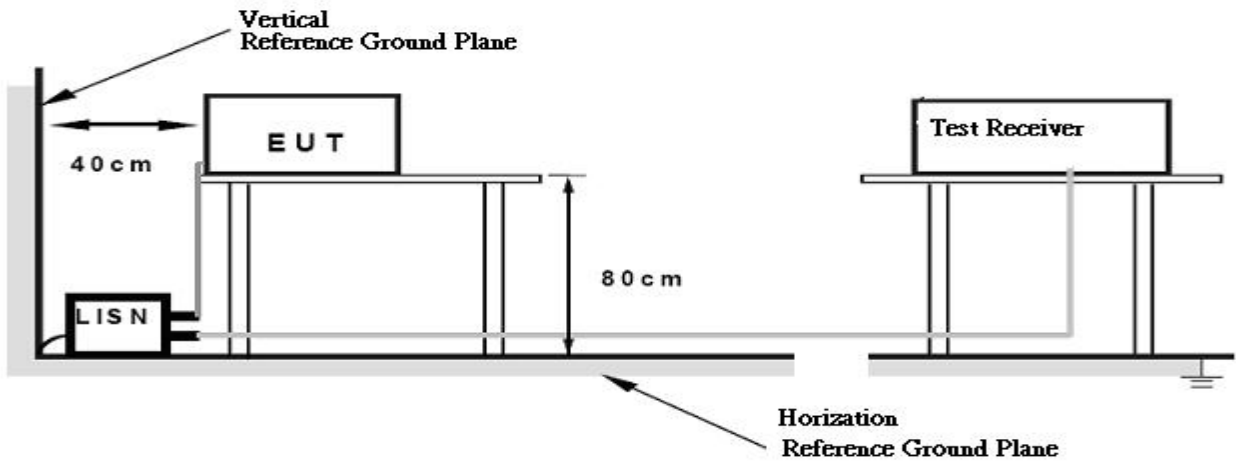
4.1.2 TEST PROCEDURE

- 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: 24°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

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

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

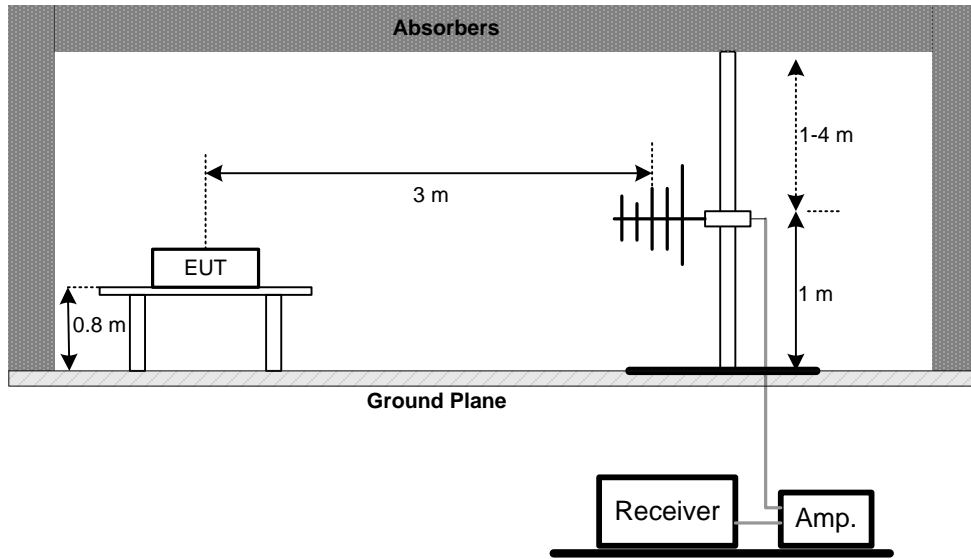
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

4.2.3 DEVIATION FROM TEST STANDARD

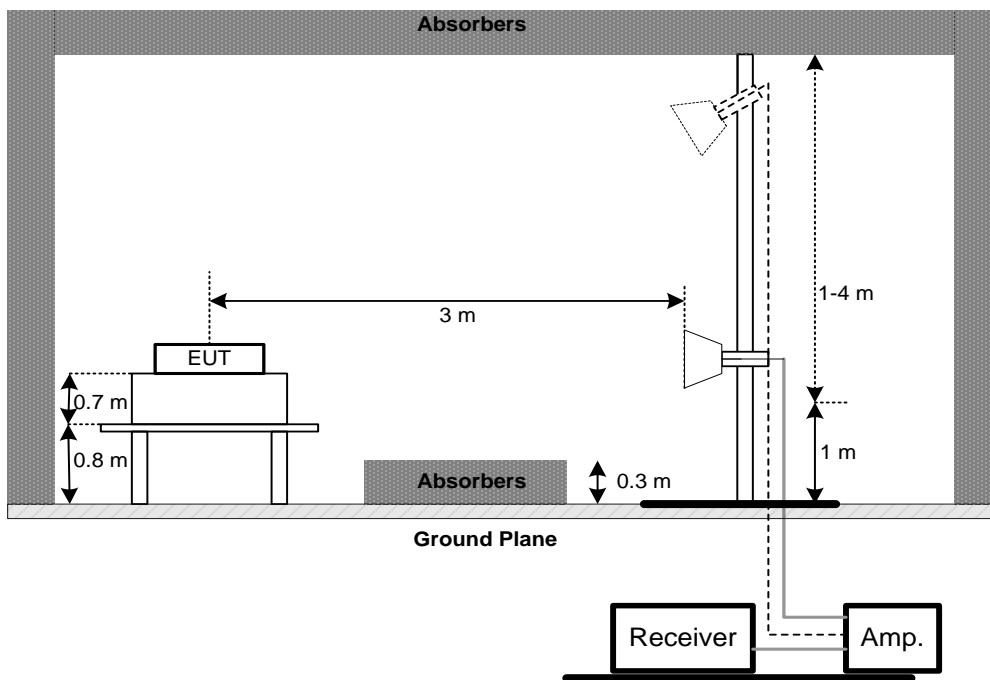
No deviation

4.2.4 TEST SETUP

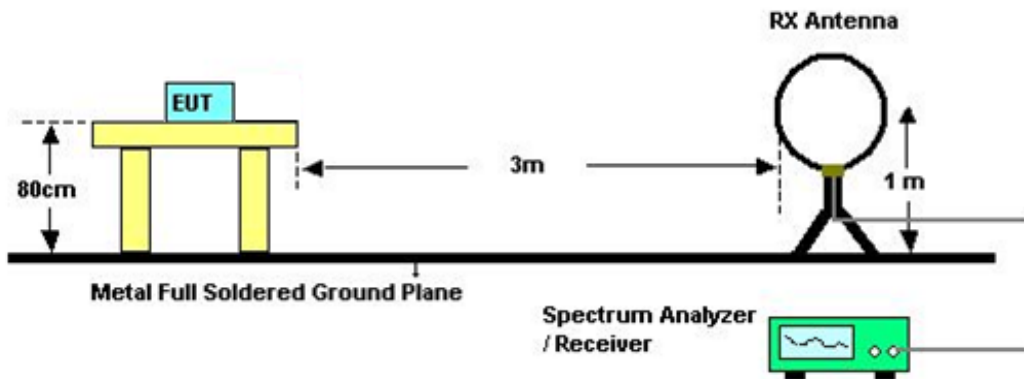
(A) Radiated Emission Test Set-Up Frequency Below 1GHz



(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 Attachment B

Remark:

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

4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHz)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Attachment D.

Remark:

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

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Bandwidth	26 dB Bandwidth	5150-5250	PASS
	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 Attachment E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

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

b.

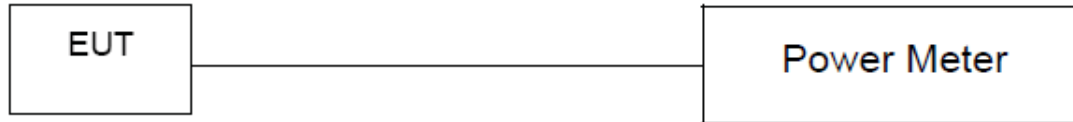
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	\geq 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	Other then 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 Attachment 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

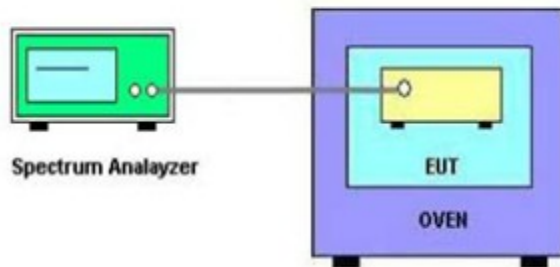
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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 Attachment I.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 26, 2018
2	TWO-LINE V-NETWORK	R&S	ENV216	100526	Mar. 26, 2018
3	EMI Test Receiver	R&S	ESR3	101862	Sep. 04, 2017
4	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Sep. 04, 2017
5	Cable	N/A	RG400 12m	N/A	Mar. 09, 2018
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
3	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
4	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	Jun. 27, 2017
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	Amplifier	Agilent	8449B	3008A02274	Mar. 09, 2018
9	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
10	Antenna	EM	EM-6876-1	230	Jul. 08, 2017
11	Controller	CT	SC100	N/A	N/A
12	Controller	MF	MF-7802	MF780208416	N/A
13	Cable	emci	EMC104-SM-S M-12000(12m)	N/A	Jul. 06, 2017
14	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
15	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017
16	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
17	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. 04, 2017

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. 04, 2017

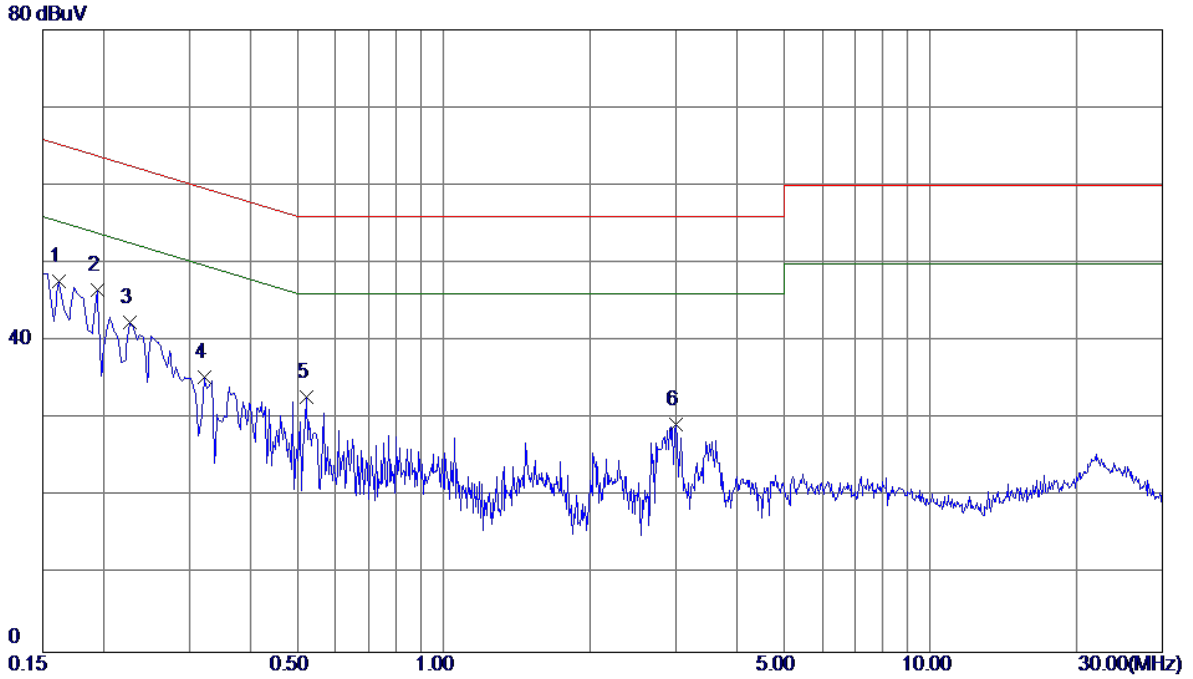
Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

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

ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX MODE

Line

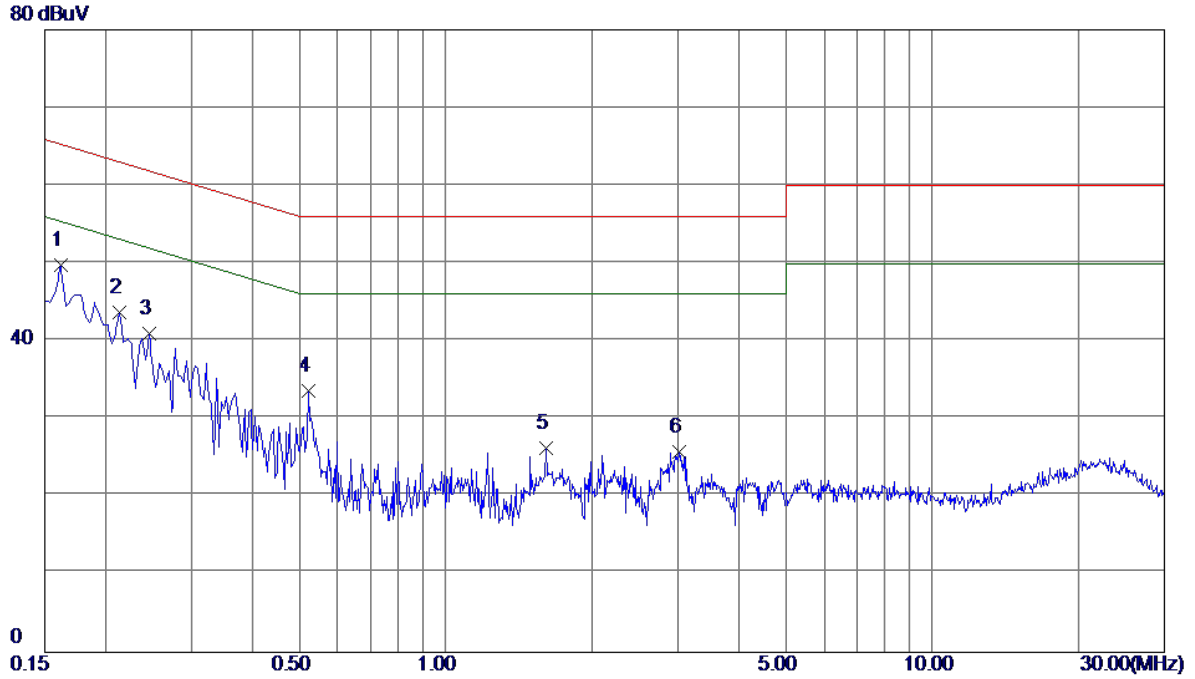


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1620	38.09	9.57	47.66	65.36	-17.70	Peak	
2 *	0.1940	36.95	9.57	46.52	63.86	-17.34	Peak	
3	0.2260	32.80	9.57	42.37	62.60	-20.23	Peak	
4	0.3220	25.74	9.58	35.32	59.66	-24.34	Peak	
5	0.5220	23.14	9.69	32.83	56.00	-23.17	Peak	
6	3.0059	19.09	10.26	29.35	56.00	-26.65	Peak	

Note : The test result has included the cable loss.

Test Mode: TX MODE

Neutral



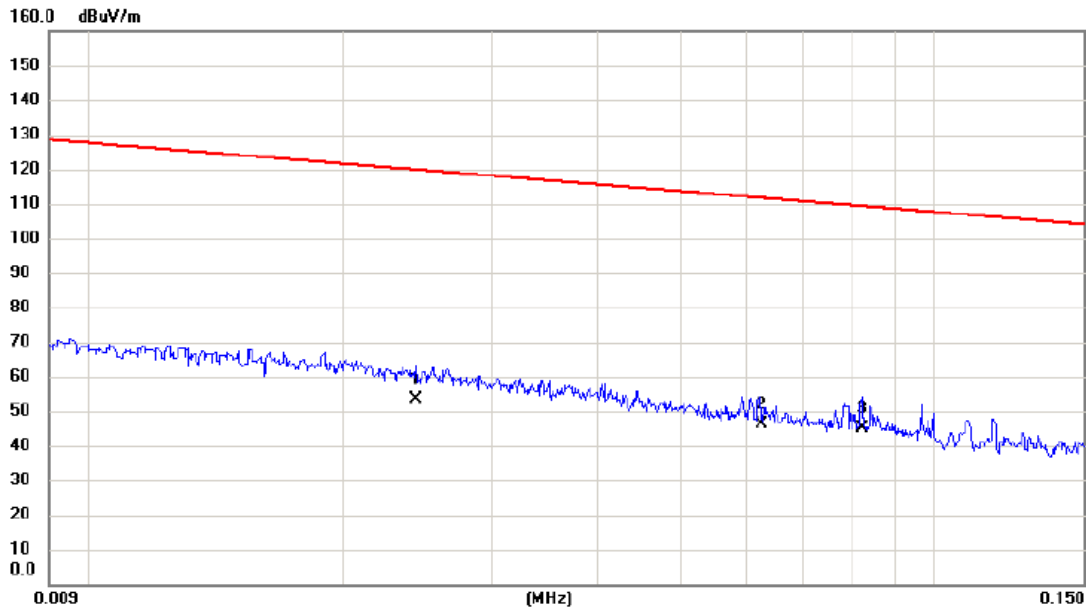
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1620	40.22	9.51	49.73	65.36	-15.63	Peak	
2	0.2140	34.09	9.57	43.66	63.05	-19.39	Peak	
3	0.2460	31.34	9.57	40.91	61.89	-20.98	Peak	
4	0.5220	24.06	9.49	33.55	56.00	-22.45	Peak	
5	1.6060	16.48	9.78	26.26	56.00	-29.74	Peak	
6	3.0180	15.78	9.96	25.74	56.00	-30.26	Peak	

Note : The test result has included the cable loss.

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

Test Mode: TX Mode

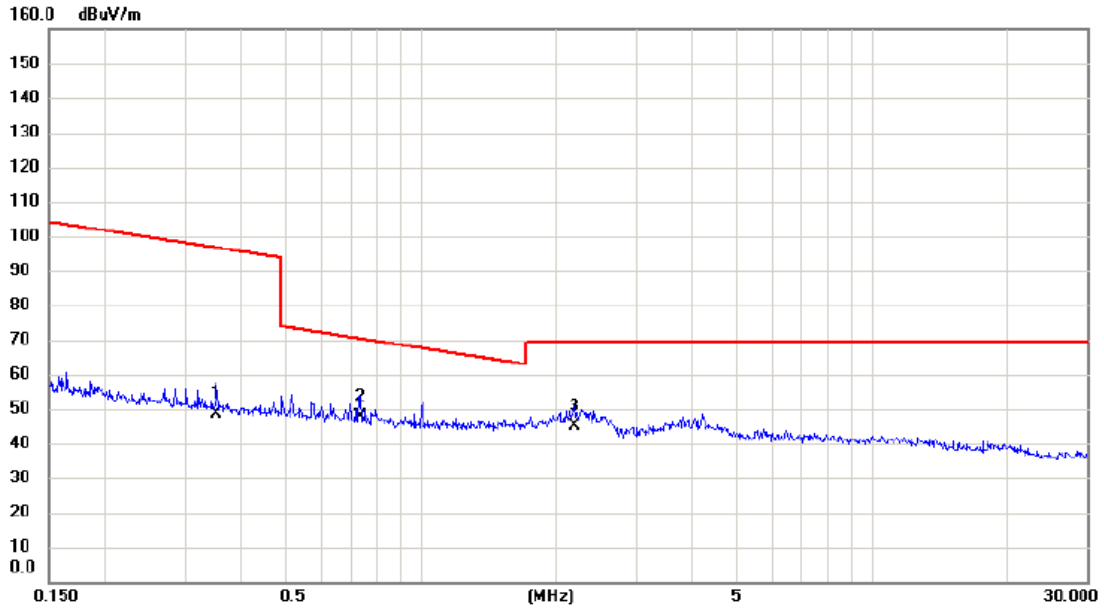
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.0244	30.33	22.98	53.31	119.86	-66.55	AVG	
2		0.0624	26.44	19.68	46.12	111.70	-65.58	AVG	
3	*	0.0820	25.83	19.22	45.05	109.33	-64.28	AVG	

Test Mode: TX Mode

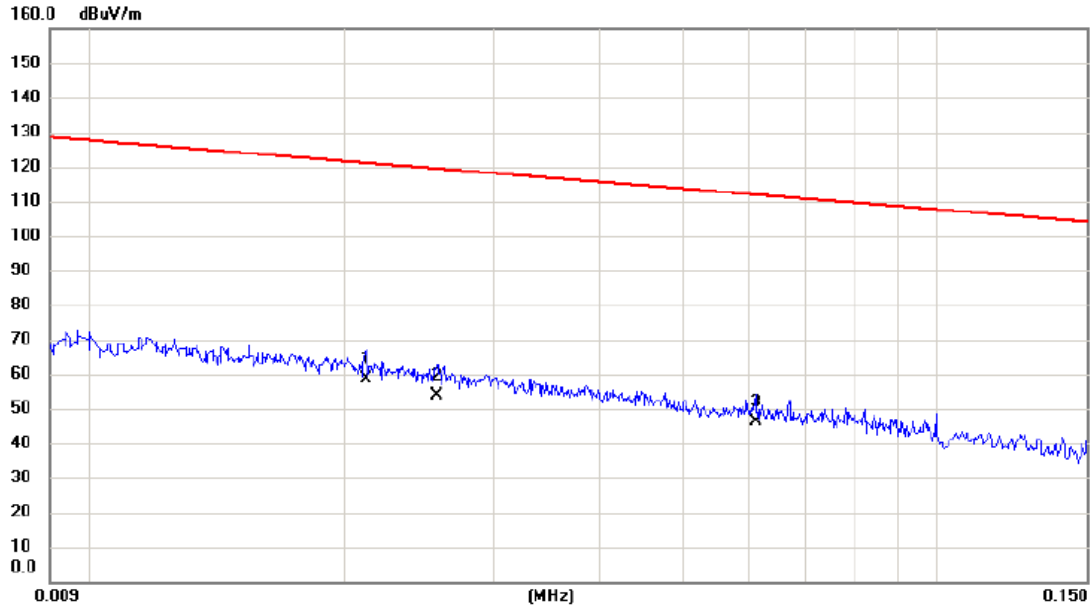
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.3520	29.96	18.54	48.50	96.67	-48.17	AVG	
2	*	0.7313	29.47	18.46	47.93	70.32	-22.39	QP	
3		2.1898	27.45	17.66	45.11	69.54	-24.43	QP	

Test Mode: TX Mode

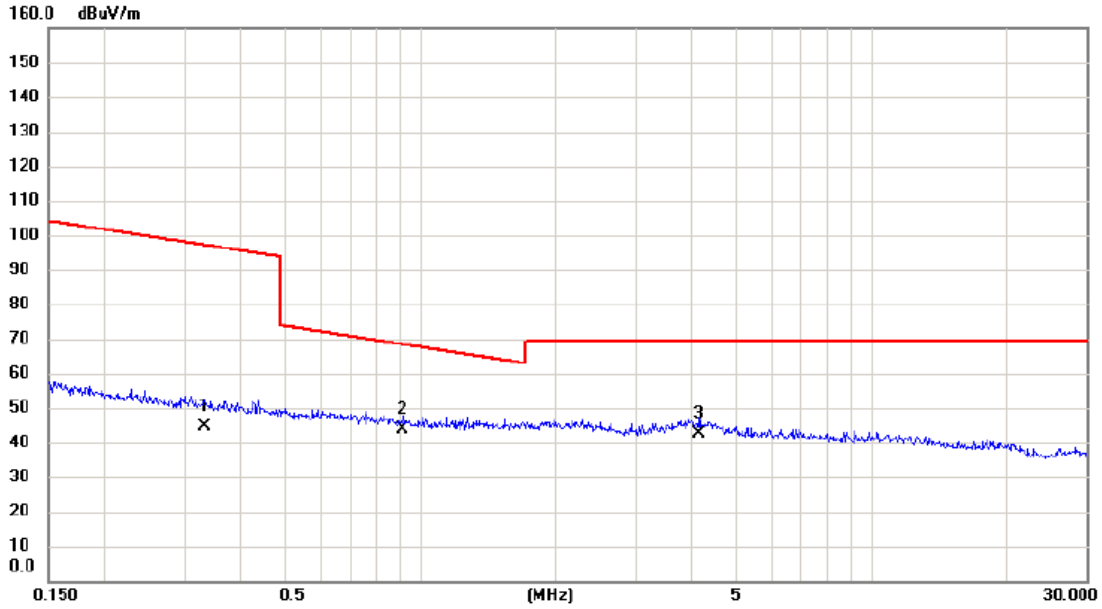
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	0.0212	35.43	23.37	58.80	121.08	-62.28	AVG	
2		0.0257	30.91	22.82	53.73	119.41	-65.68	AVG	
3		0.0610	26.36	19.70	46.06	111.90	-65.84	AVG	

Test Mode: TX Mode

Ant 90°

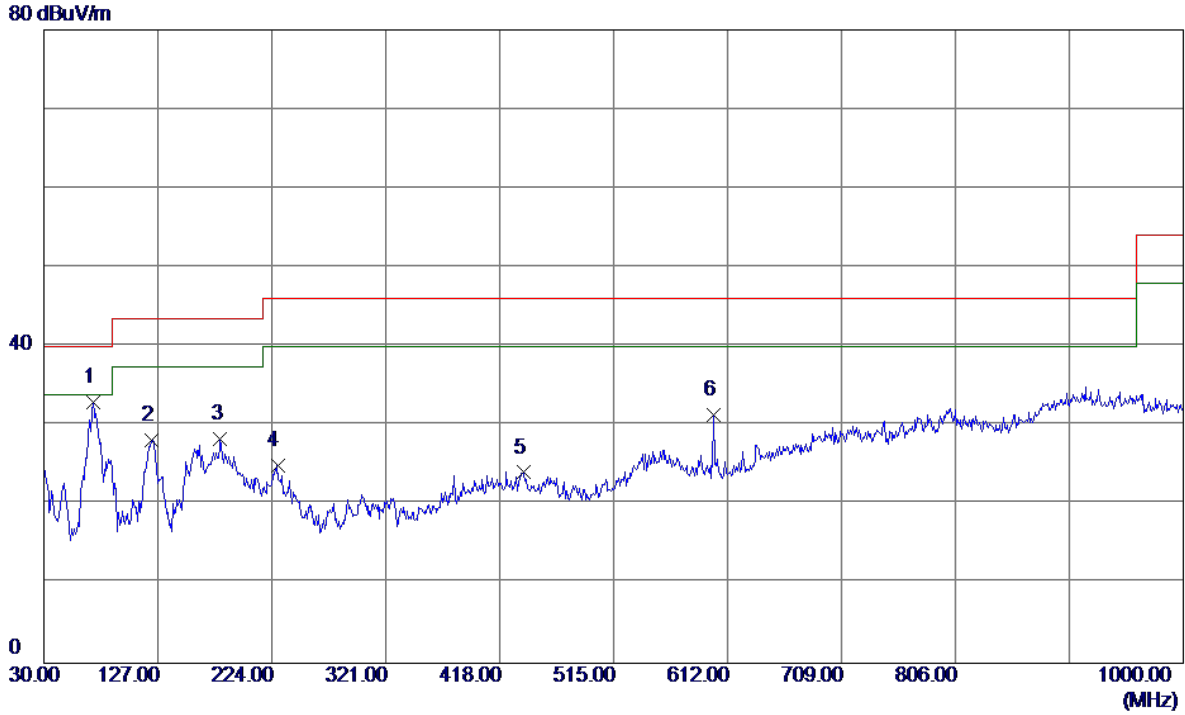


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.3321	26.23	18.56	44.79	97.18	-52.39	AVG	
2	*	0.9136	25.87	17.96	43.83	68.39	-24.56	QP	
3		4.1356	24.06	18.48	42.54	69.54	-27.00	QP	

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

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

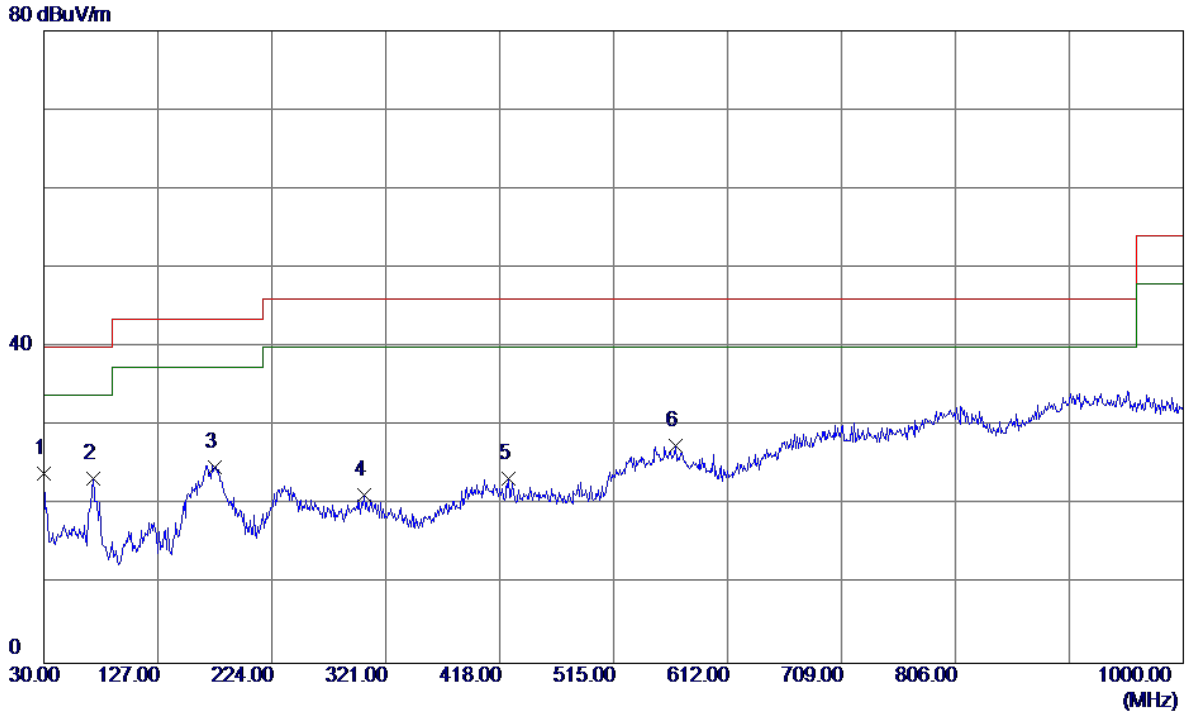
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	71.7100	49.49	-16.55	32.94	40.00	-7.06	Peak	
2	121.1800	41.50	-13.33	28.17	43.50	-15.33	Peak	
3	180.3500	41.13	-12.88	28.25	43.50	-15.25	Peak	
4	228.8500	38.45	-13.47	24.98	46.00	-21.02	Peak	
5	438.3700	32.03	-7.95	24.08	46.00	-21.92	Peak	
6	600.3600	38.34	-7.04	31.30	46.00	-14.70	Peak	

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

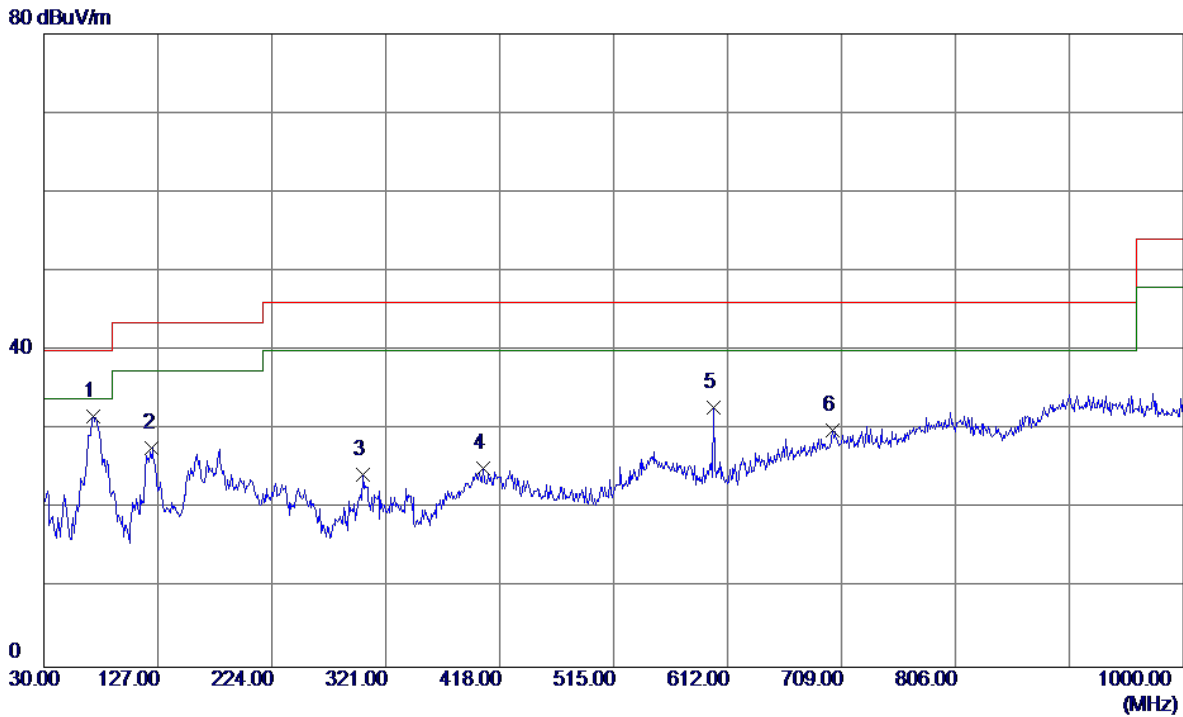
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.0000	38.08	-14.03	24.05	40.00	-15.95	Peak	
2	71.7100	39.97	-16.55	23.42	40.00	-16.58	Peak	
3	175.5000	37.39	-12.57	24.82	43.50	-18.68	Peak	
4	302.5700	31.56	-10.21	21.35	46.00	-24.65	Peak	
5	425.7600	31.24	-7.89	23.35	46.00	-22.65	Peak	
6	567.3800	32.94	-5.42	27.52	46.00	-18.48	Peak	

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

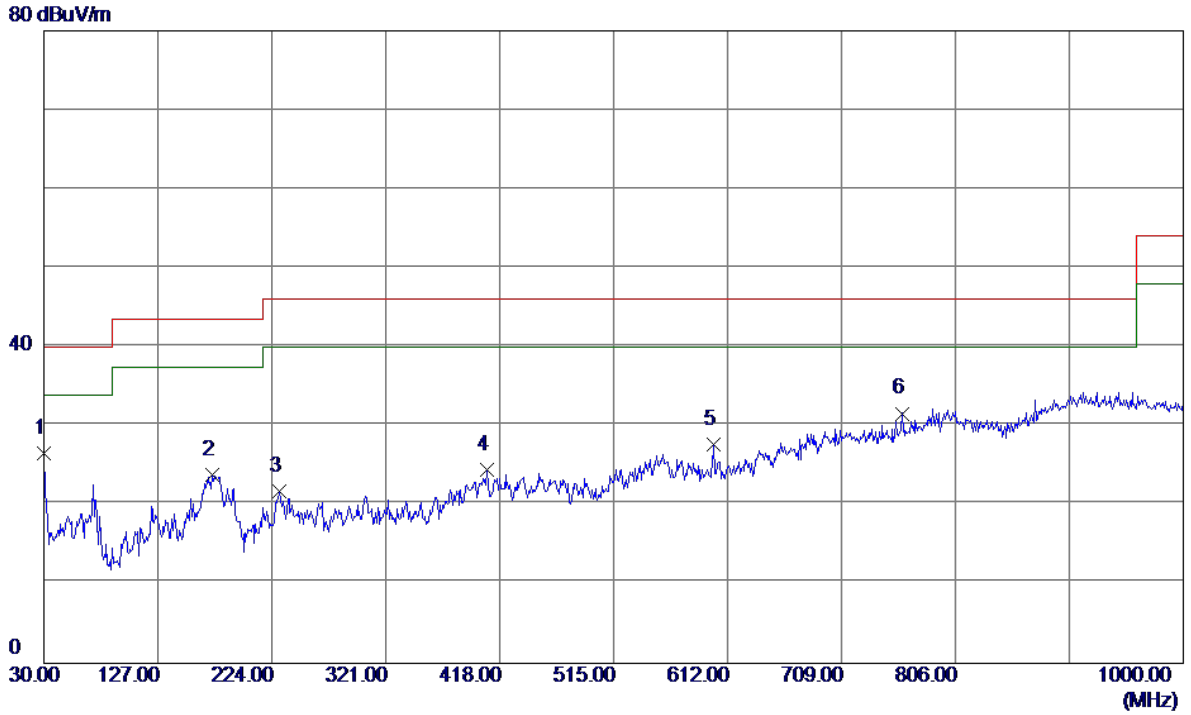
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	71.7100	48.16	-16.55	31.61	40.00	-8.39	Peak	
2	122.1500	40.92	-13.22	27.70	43.50	-15.80	Peak	
3	301.6000	34.50	-10.19	24.31	46.00	-21.69	Peak	
4	404.4200	32.86	-7.80	25.06	46.00	-20.94	Peak	
5	600.3600	39.80	-7.04	32.76	46.00	-13.24	Peak	
6	701.2400	32.09	-2.10	29.99	46.00	-16.01	Peak	

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

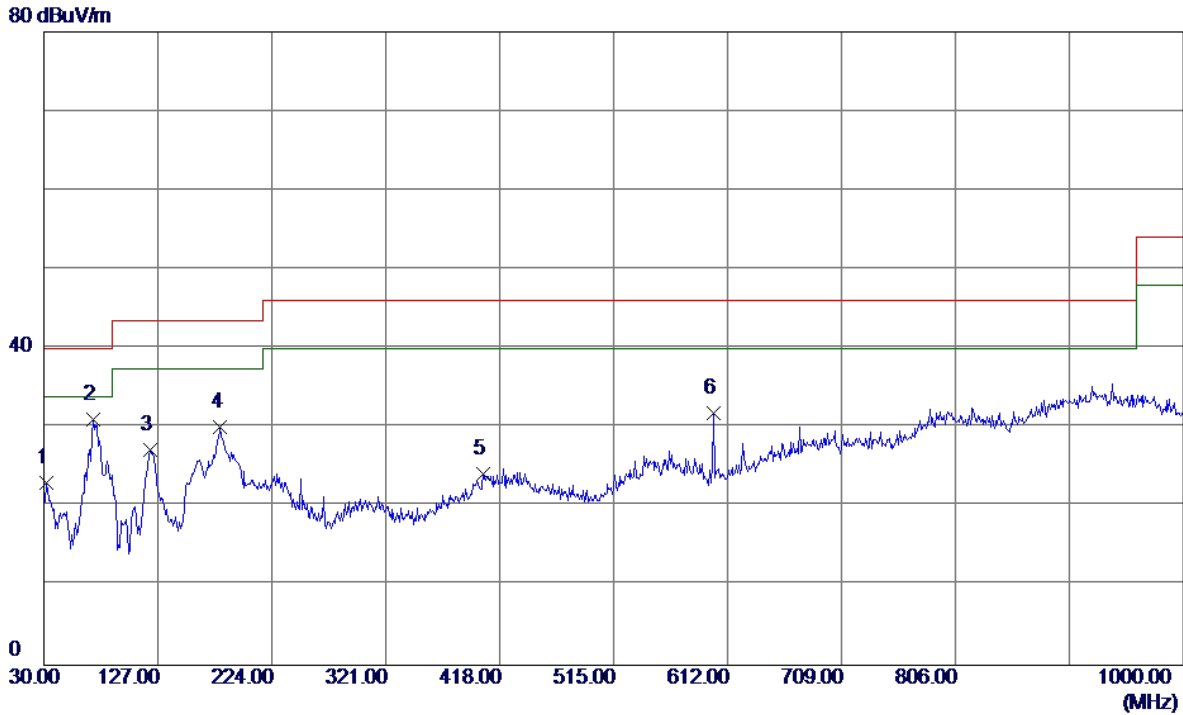
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.0000	40.61	-14.03	26.58	40.00	-13.42	Peak	
2	173.5600	36.36	-12.45	23.91	43.50	-19.59	Peak	
3	230.7900	35.20	-13.40	21.80	46.00	-24.20	Peak	
4	407.3299	32.33	-7.81	24.52	46.00	-21.48	Peak	
5	600.3600	34.74	-7.04	27.70	46.00	-18.30	Peak	
6	760.4099	33.11	-1.51	31.60	46.00	-14.40	Peak	

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

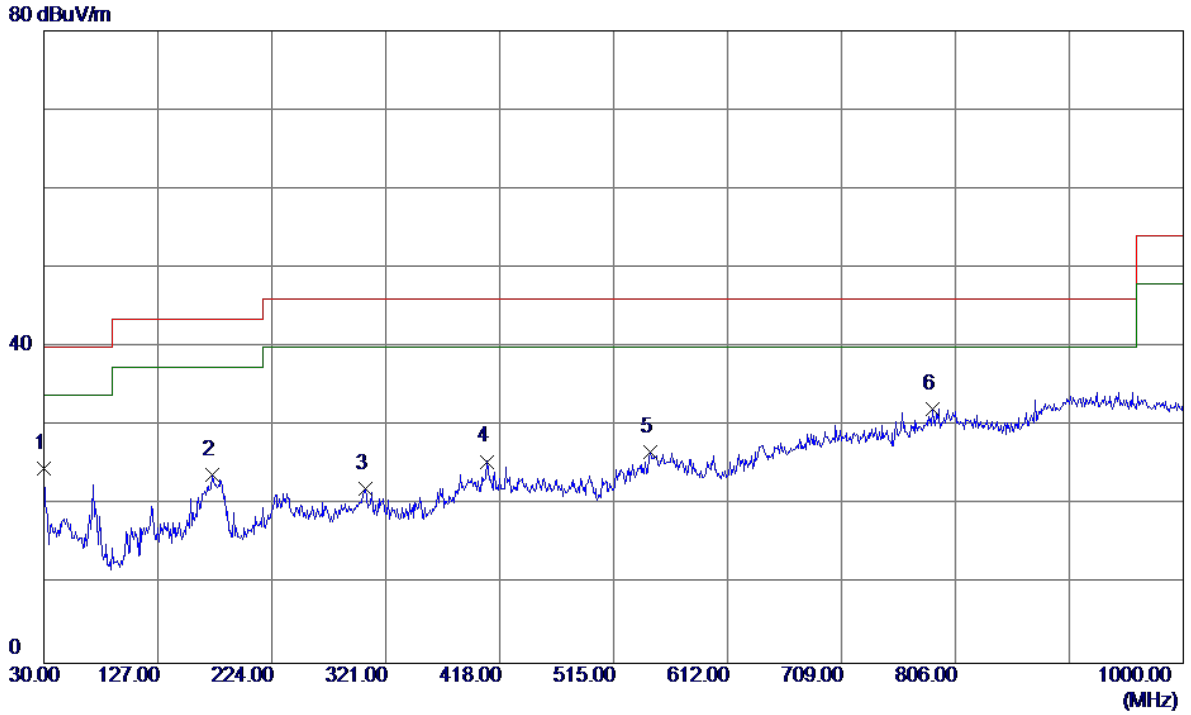
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	31.9400	37.28	-14.20	23.08	40.00	-16.92	Peak	
2 *	71.7100	47.59	-16.55	31.04	40.00	-8.96	Peak	
3	120.2100	40.57	-13.43	27.14	43.50	-16.36	Peak	
4	180.3500	43.00	-12.88	30.12	43.50	-13.38	Peak	
5	404.4200	31.94	-7.80	24.14	46.00	-21.86	Peak	
6	600.3600	38.82	-7.04	31.78	46.00	-14.22	Peak	

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

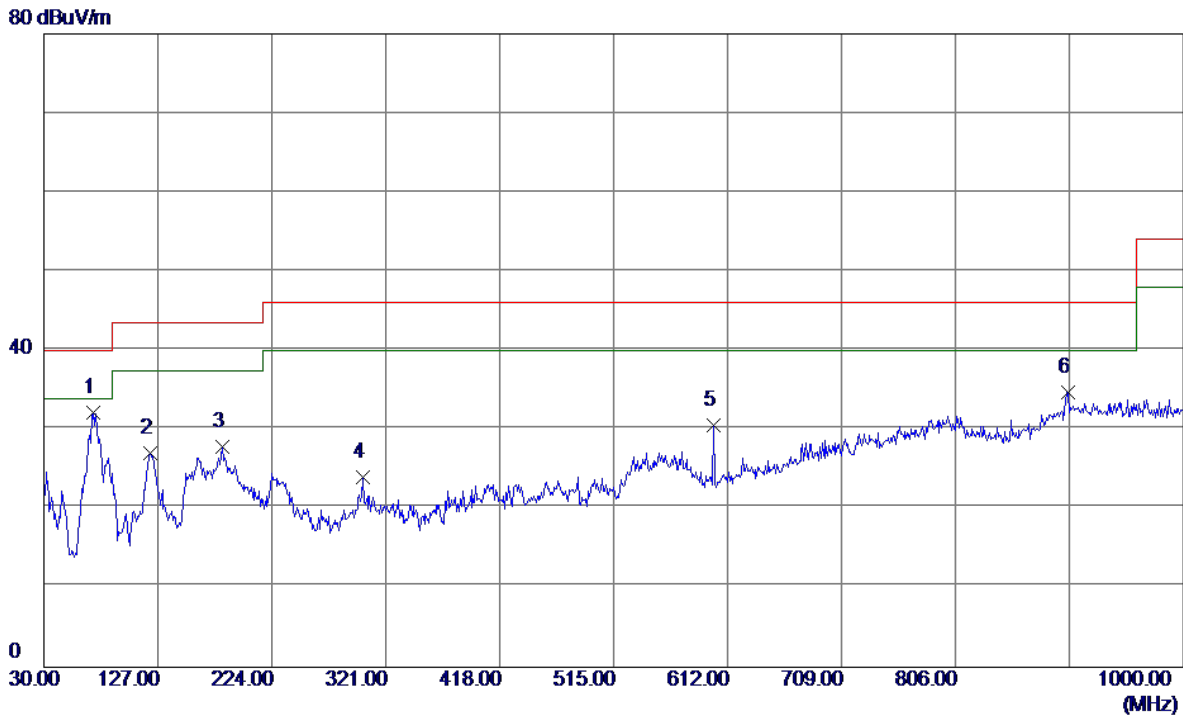
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	30.0000	38.61	-14.03	24.58	40.00	-15.42	Peak	
2	173.5600	36.36	-12.45	23.91	43.50	-19.59	Peak	
3	303.5400	32.29	-10.24	22.05	46.00	-23.95	Peak	
4	407.3299	33.33	-7.81	25.52	46.00	-20.48	Peak	
5	546.0400	31.68	-4.95	26.73	46.00	-19.27	Peak	
6 *	786.6000	32.54	-0.34	32.20	46.00	-13.80	Peak	

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

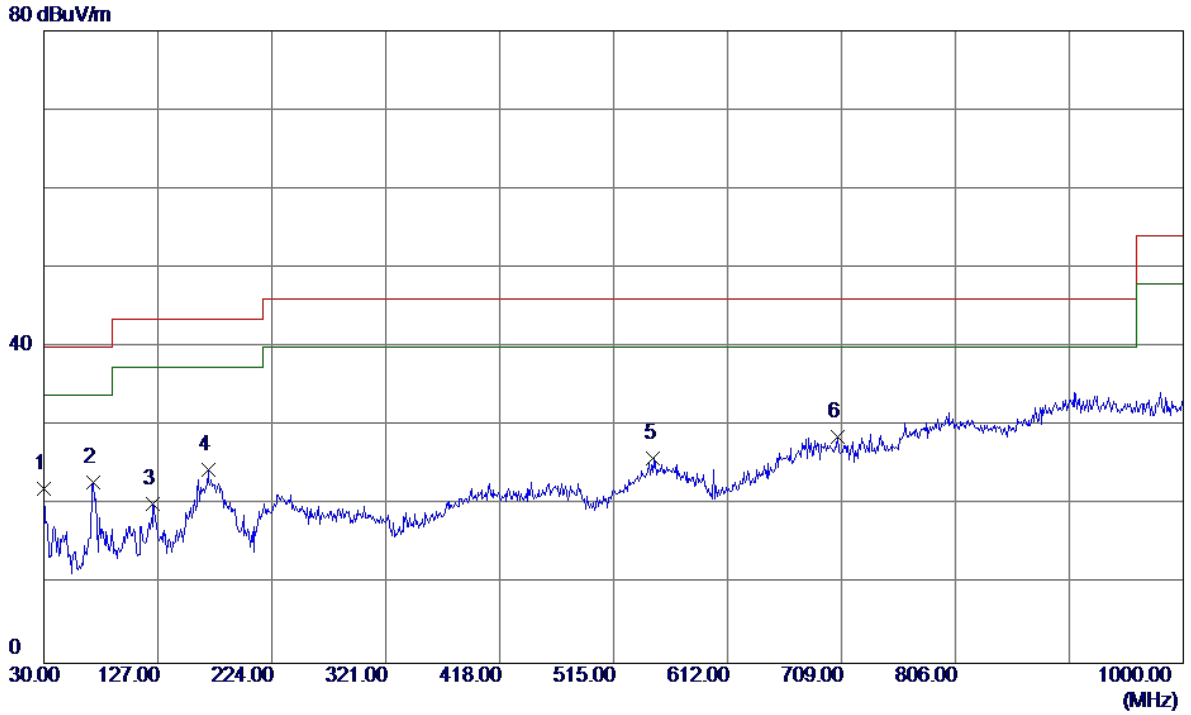
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	71.7100	48.74	-16.55	32.19	40.00	-7.81	Peak	
2	120.2100	40.43	-13.43	27.00	43.50	-16.50	Peak	
3	182.2899	40.91	-13.09	27.82	43.50	-15.68	Peak	
4	301.6000	34.12	-10.19	23.93	46.00	-22.07	Peak	
5	600.3600	37.59	-7.04	30.55	46.00	-15.45	Peak	
6	902.0300	32.15	2.63	34.78	46.00	-11.22	Peak	

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

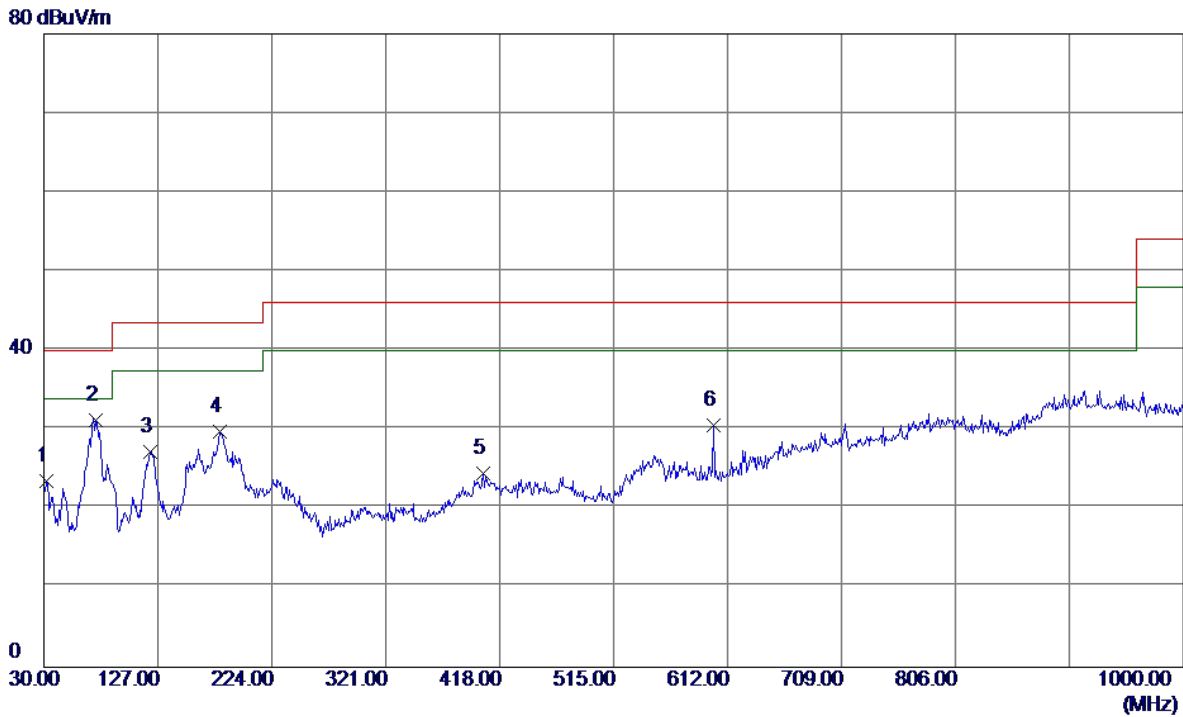
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	30.0000	36.08	-14.03	22.05	40.00	-17.95	Peak	
2 *	71.7100	39.39	-16.55	22.84	40.00	-17.16	Peak	
3	123.1200	33.22	-13.11	20.11	43.50	-23.39	Peak	
4	169.6799	36.74	-12.24	24.50	43.50	-19.00	Peak	
5	548.9500	30.64	-4.65	25.99	46.00	-20.01	Peak	
6	706.0900	30.71	-2.08	28.63	46.00	-17.37	Peak	

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

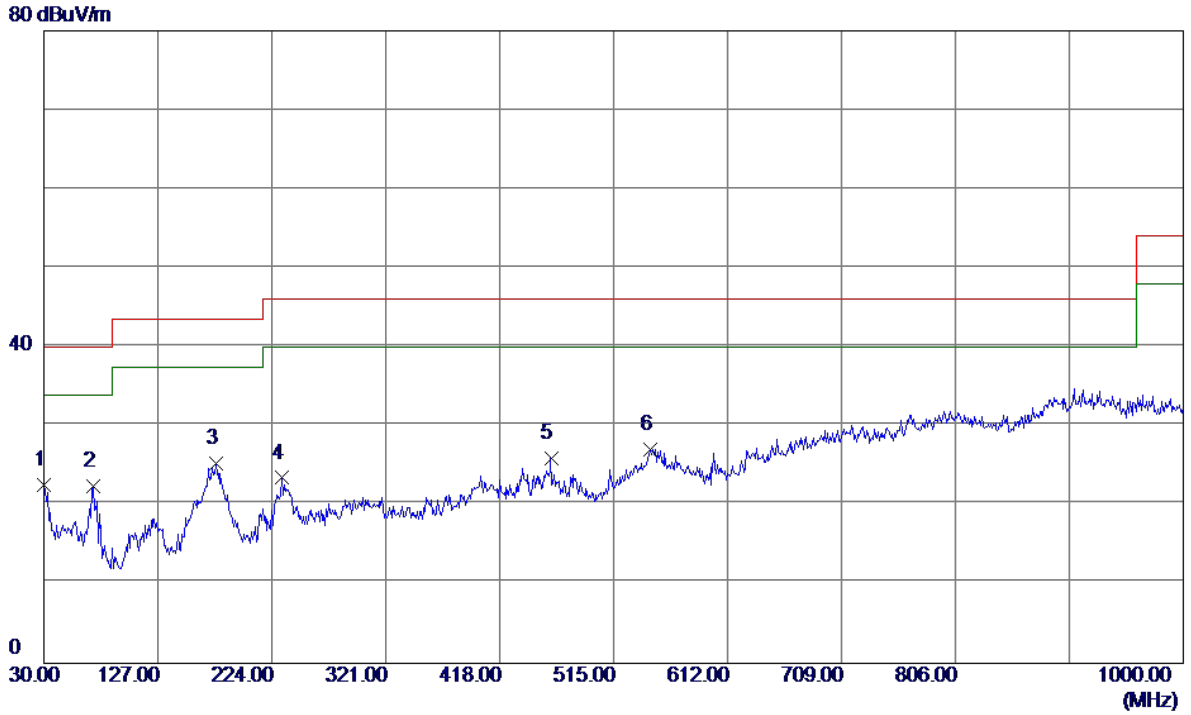
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	31.9400	37.65	-14.20	23.45	40.00	-16.55	Peak	
2 *	74.6200	47.71	-16.58	31.13	40.00	-8.87	Peak	
3	120.2100	40.59	-13.43	27.16	43.50	-16.34	Peak	
4	179.3800	42.52	-12.80	29.72	43.50	-13.78	Peak	
5	404.4200	32.31	-7.80	24.51	46.00	-21.49	Peak	
6	600.3600	37.57	-7.04	30.53	46.00	-15.47	Peak	

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

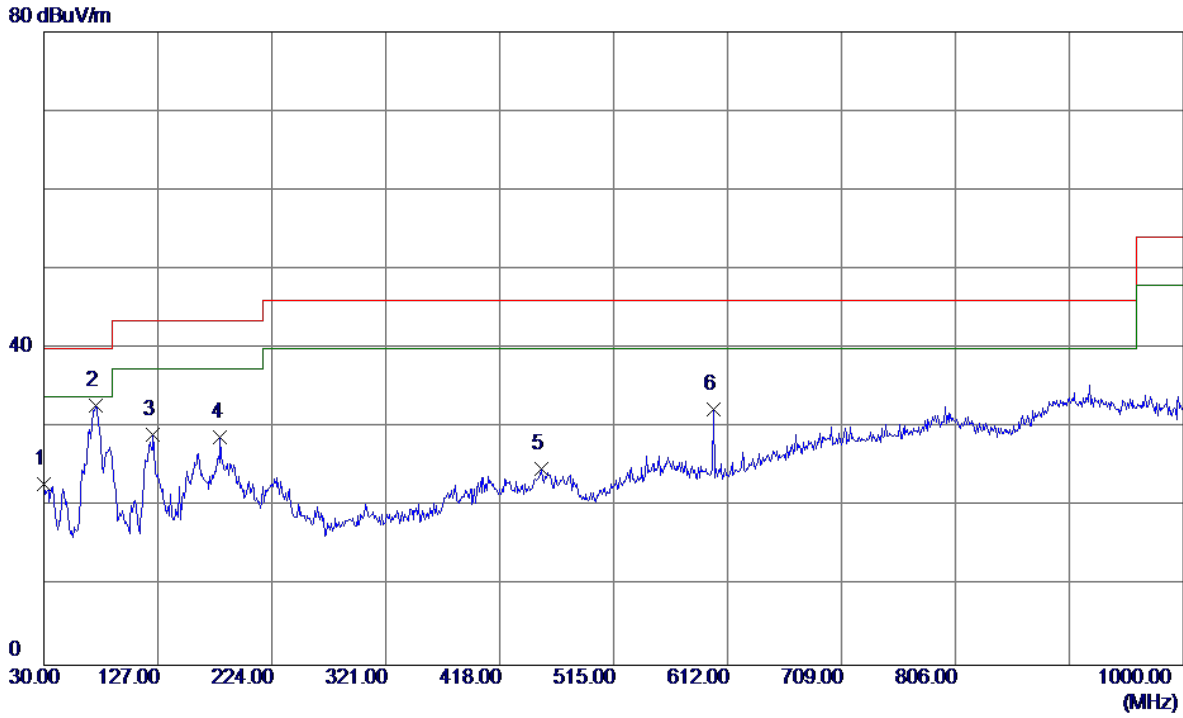
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.0000	36.53	-14.03	22.50	40.00	-17.50	Peak	
2	71.7100	38.95	-16.55	22.40	40.00	-17.60	Peak	
3	176.4700	37.85	-12.63	25.22	43.50	-18.28	Peak	
4	232.7300	36.92	-13.48	23.44	46.00	-22.56	Peak	
5	461.6500	34.33	-8.40	25.93	46.00	-20.07	Peak	
6	546.0400	32.04	-4.95	27.09	46.00	-18.91	Peak	

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

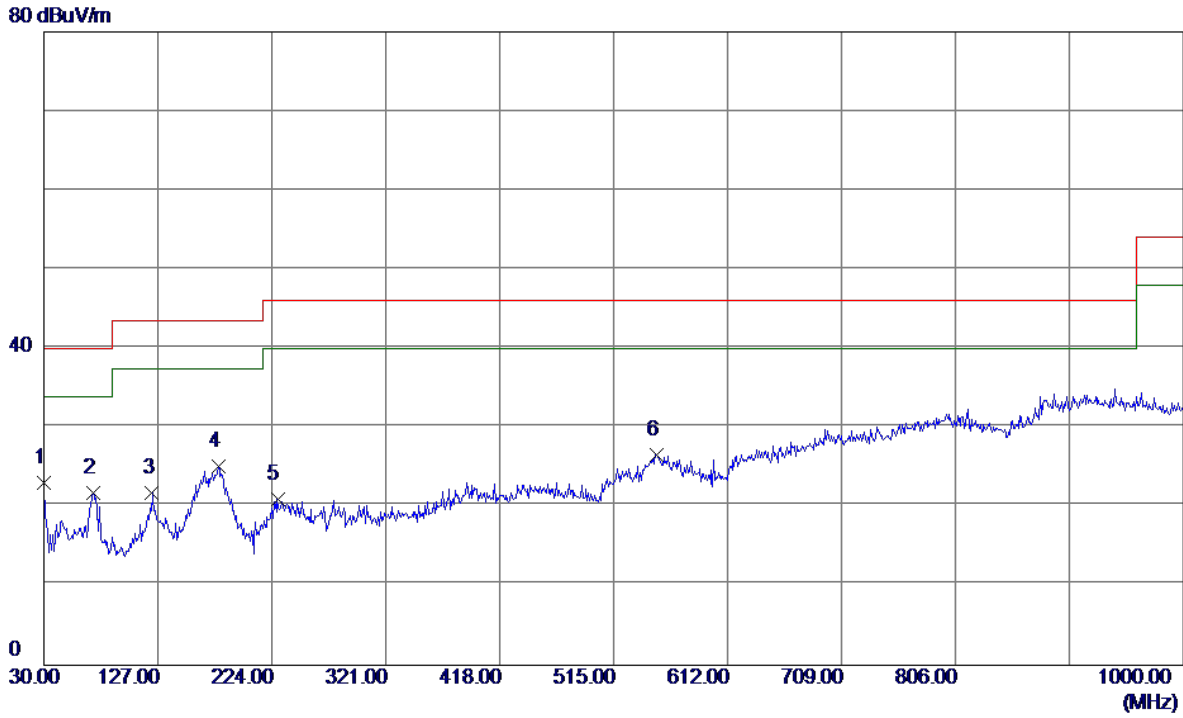
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	30.0000	36.94	-14.03	22.91	40.00	-17.09	Peak	
2 *	74.6200	49.34	-16.58	32.76	40.00	-7.24	Peak	
3	123.1200	42.19	-13.11	29.08	43.50	-14.42	Peak	
4	180.3500	41.63	-12.88	28.75	43.50	-14.75	Peak	
5	453.8900	32.90	-8.13	24.77	46.00	-21.23	Peak	
6	600.3600	39.42	-7.04	32.38	46.00	-13.62	Peak	

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

Horizontal



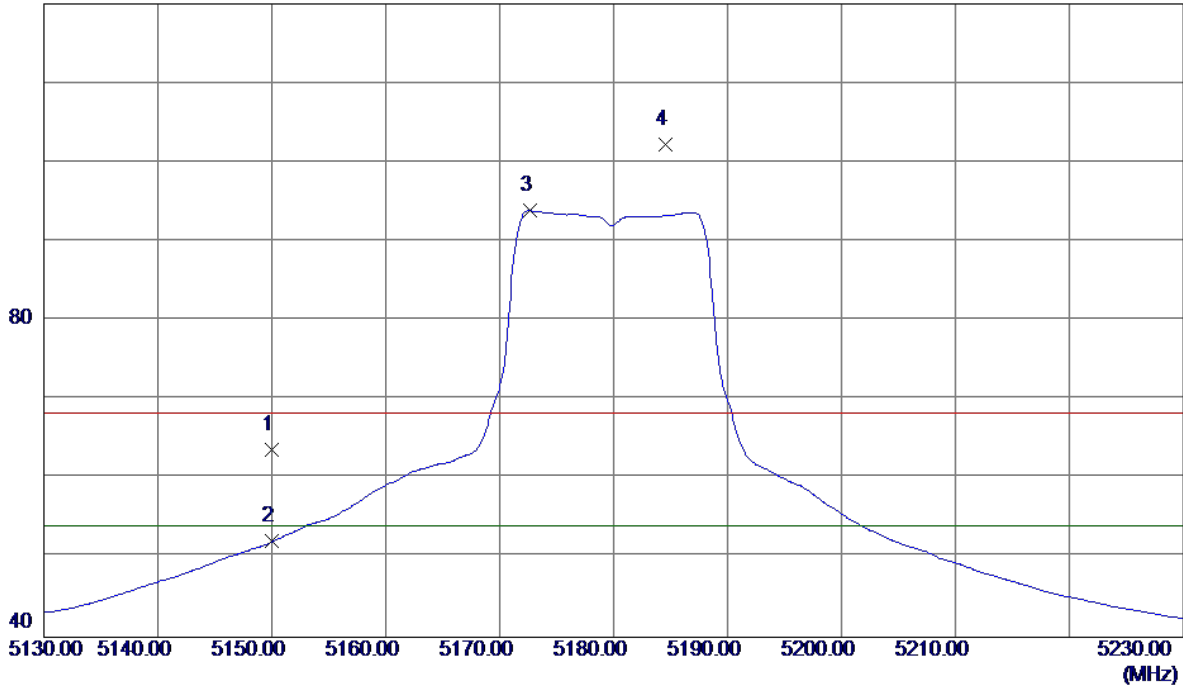
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.0000	37.05	-14.03	23.02	40.00	-16.98	Peak	
2	71.7100	38.28	-16.55	21.73	40.00	-18.27	Peak	
3	122.1500	35.01	-13.22	21.79	43.50	-21.71	Peak	
4	178.4100	37.92	-12.74	25.18	43.50	-18.32	Peak	
5	228.8500	34.41	-13.47	20.94	46.00	-25.06	Peak	
6	551.8600	31.20	-4.63	26.57	46.00	-19.43	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

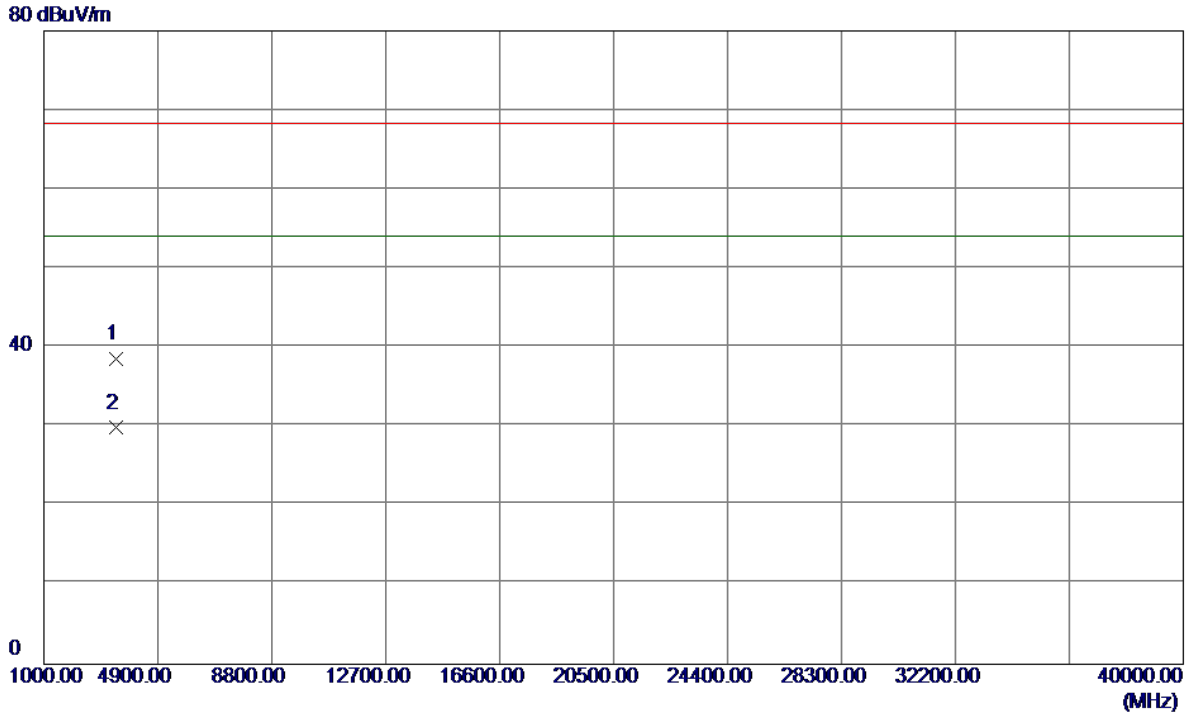
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.05	40.62	63.67	68.30	-4.63	Peak	
2	5150.0000	11.48	40.62	52.10	54.00	-1.90	AVG	
3 *	5172.6500	53.17	40.70	93.87	54.00	39.87	AVG	No Limit
4	5184.6000	61.47	40.74	102.21	68.30	33.91	Peak	No Limit

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

Vertical

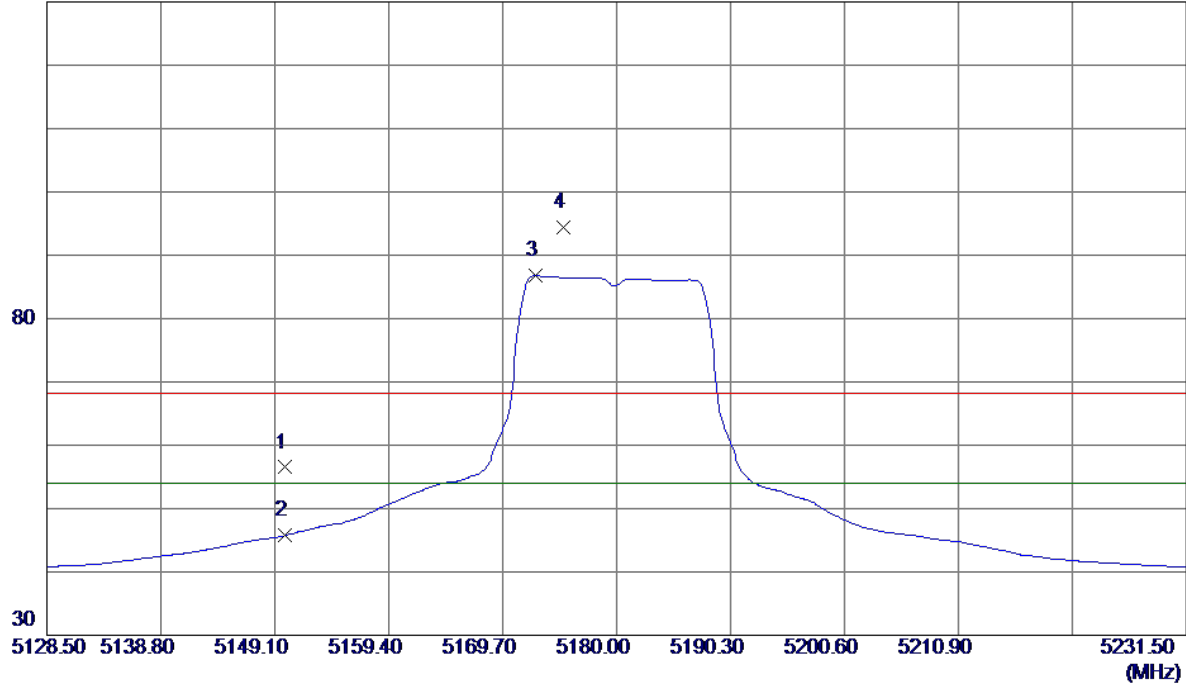


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3453.1550	37.23	1.34	38.57	68.30	-29.73	Peak	
2 *	3453.1570	28.50	1.34	29.84	54.00	-24.16	AVG	

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

Horizontal

130 dBuV/m

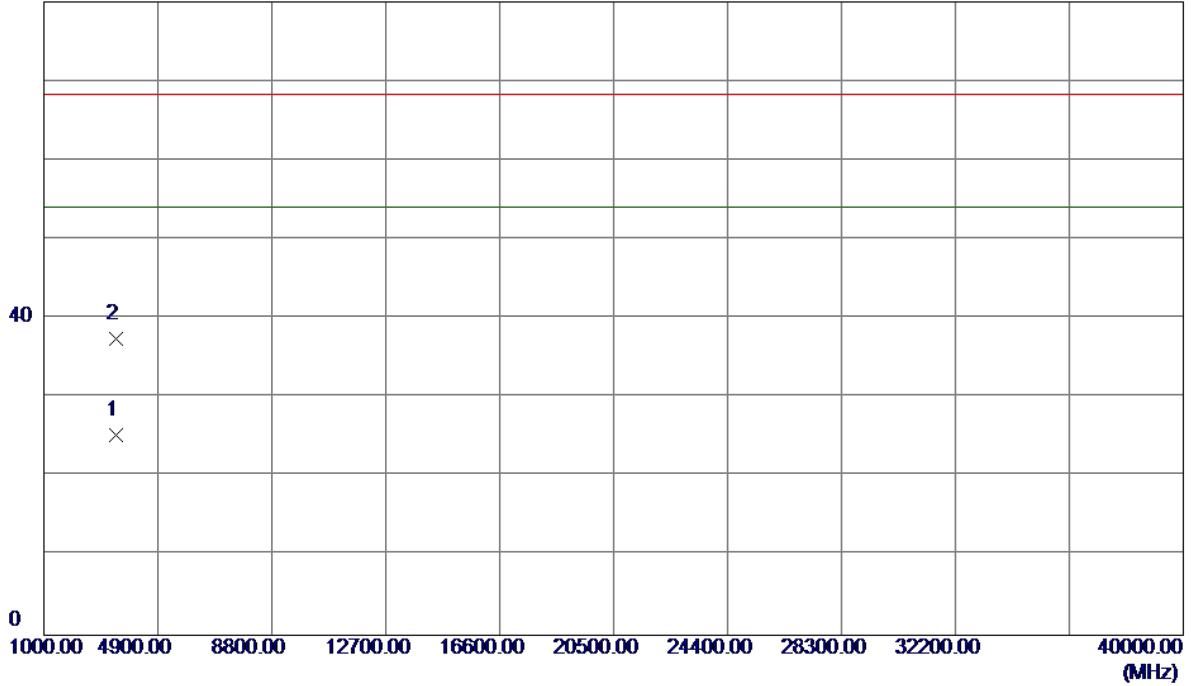


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	15.88	40.62	56.50	68.30	-11.80	Peak	
2	5150.0000	5.16	40.62	45.78	54.00	-8.22	AVG	
3 *	5172.6360	46.05	40.70	86.75	54.00	32.75	AVG	No Limit
4	5175.1589	53.65	40.71	94.36	68.30	26.06	Peak	No Limit

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

Horizontal

80 dBuV/m

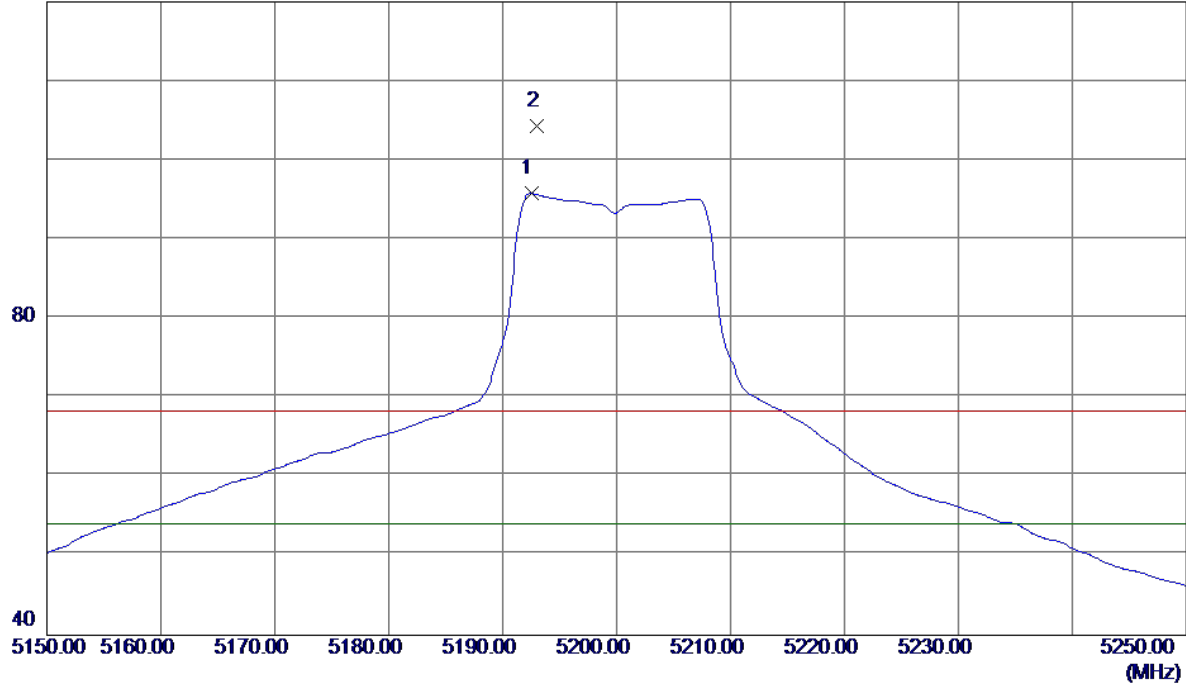


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3453.1980	24.01	1.34	25.35	54.00	-28.65	AVG	
2	3453.4830	36.16	1.34	37.50	68.30	-30.80	Peak	

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

Vertical

120 dBuV/m

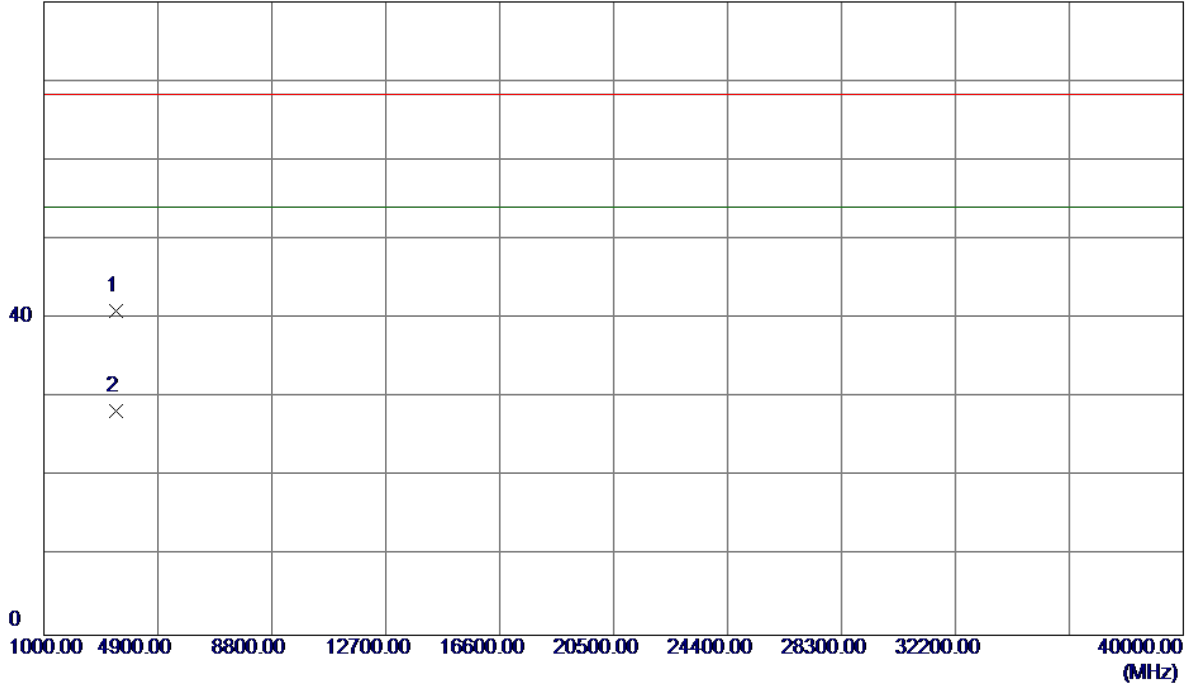


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5192.5000	55.02	40.77	95.79	54.00	41.79	AVG	No Limit
2	5193.0500	63.57	40.77	104.34	68.30	36.04	Peak	No Limit

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

Vertical

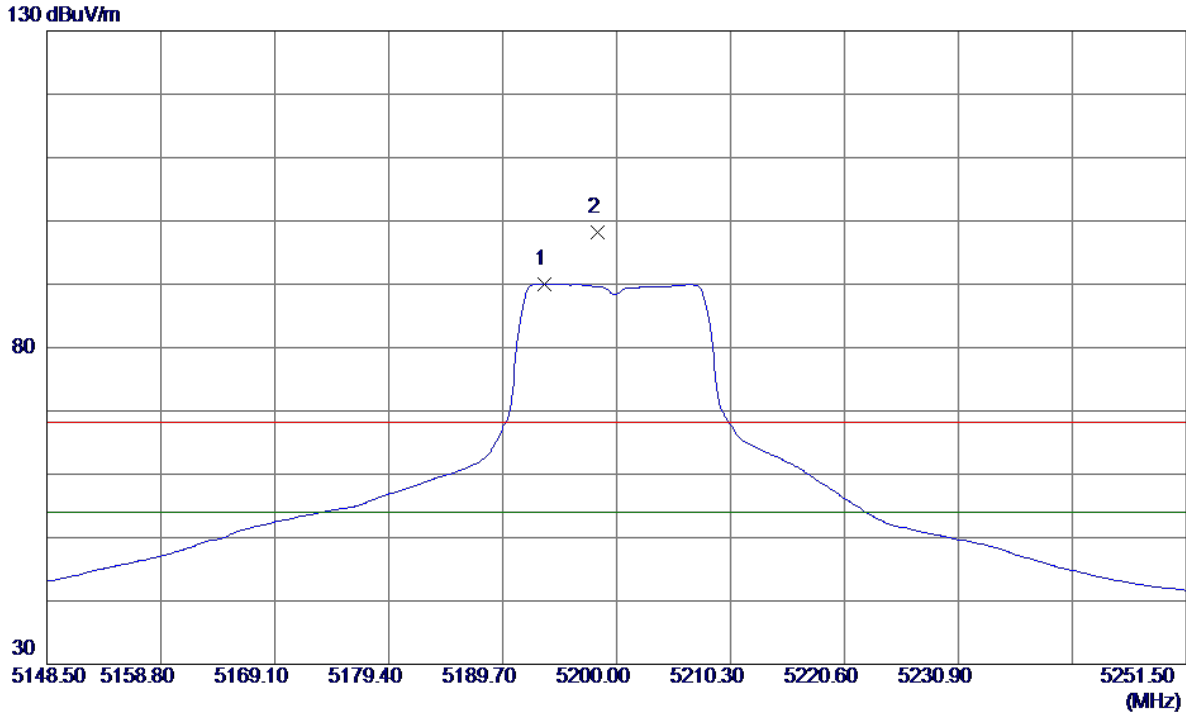
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3466.3520	39.69	1.33	41.02	68.30	-27.28	Peak	
2 *	3466.5080	27.00	1.33	28.33	54.00	-25.67	AVG	

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

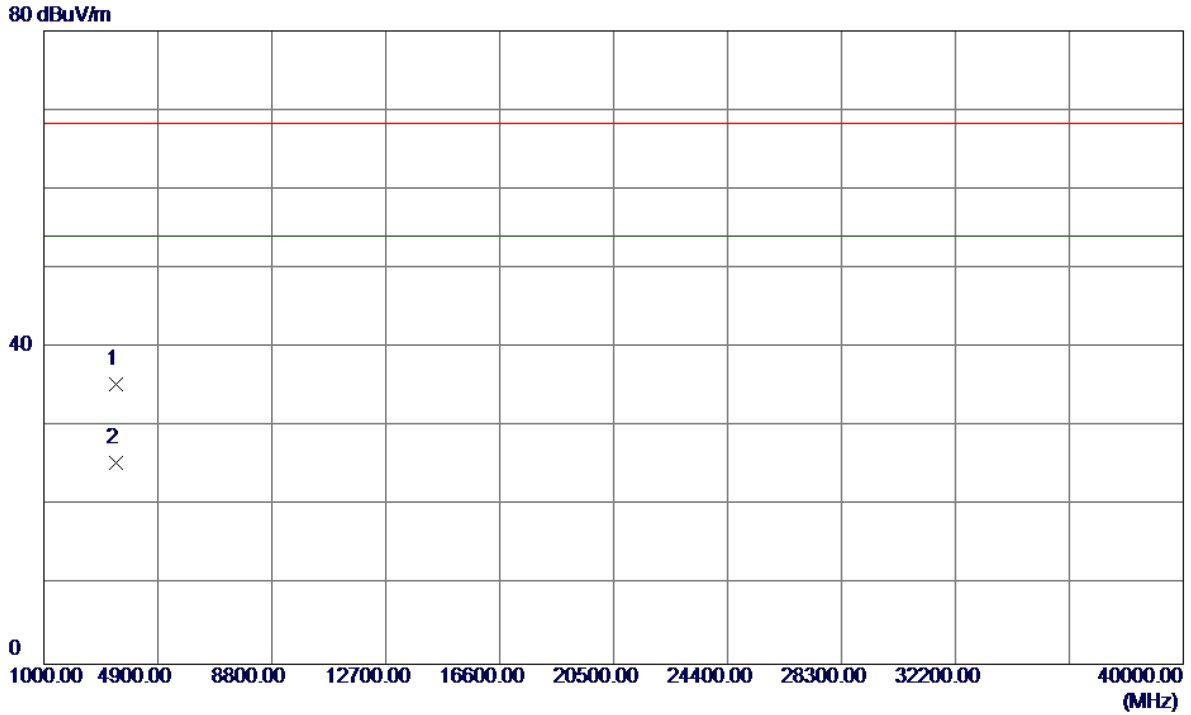
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5193.4590	49.27	40.77	90.04	54.00	36.04	AVG	No Limit
2	5198.2490	57.51	40.78	98.29	68.30	29.99	Peak	No Limit

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

Horizontal

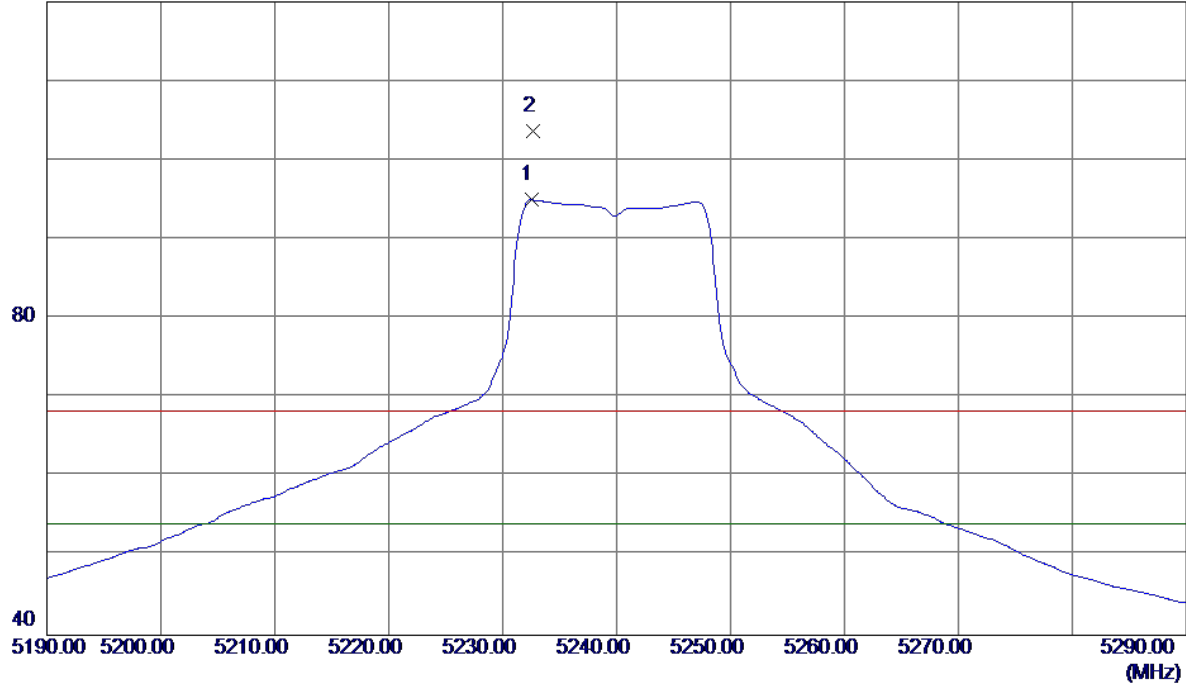


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3466.5080	34.07	1.33	35.40	68.30	-32.90	Peak	
2 *	3466.6930	24.08	1.33	25.41	54.00	-28.59	AVG	

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

Vertical

120 dBuV/m

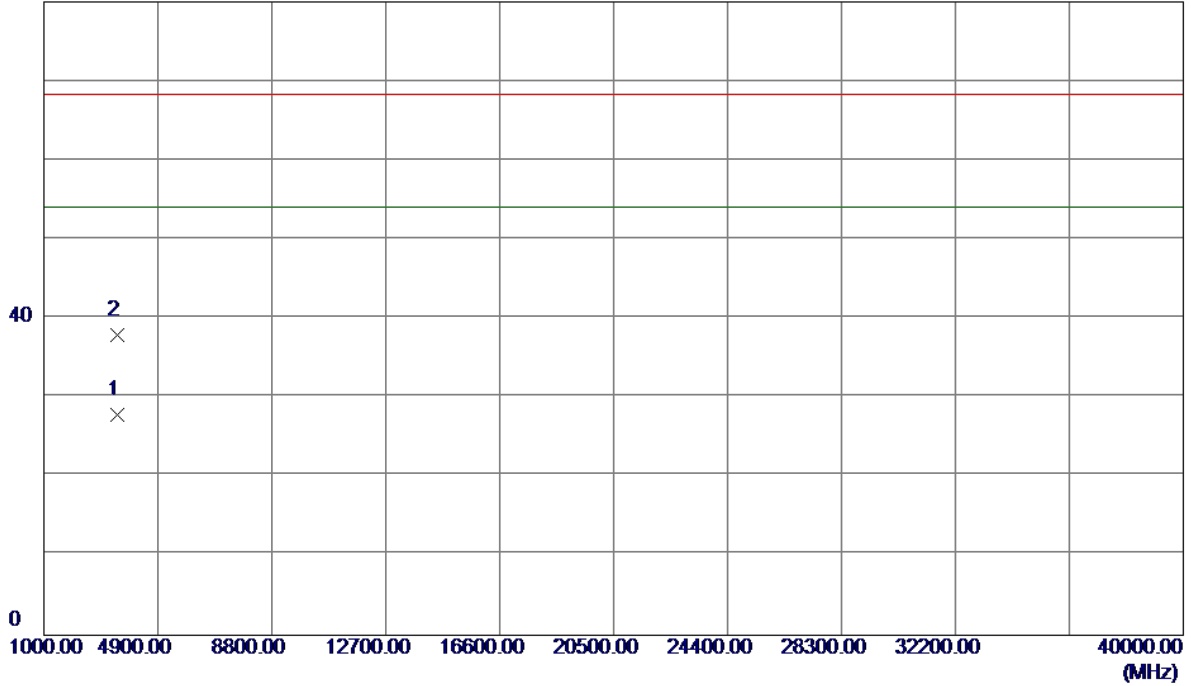


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5232.5000	54.10	40.90	95.00	54.00	41.00	AVG	No Limit
2	5232.7000	62.77	40.90	103.67	68.30	35.37	Peak	No Limit

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

Vertical

80 dBuV/m

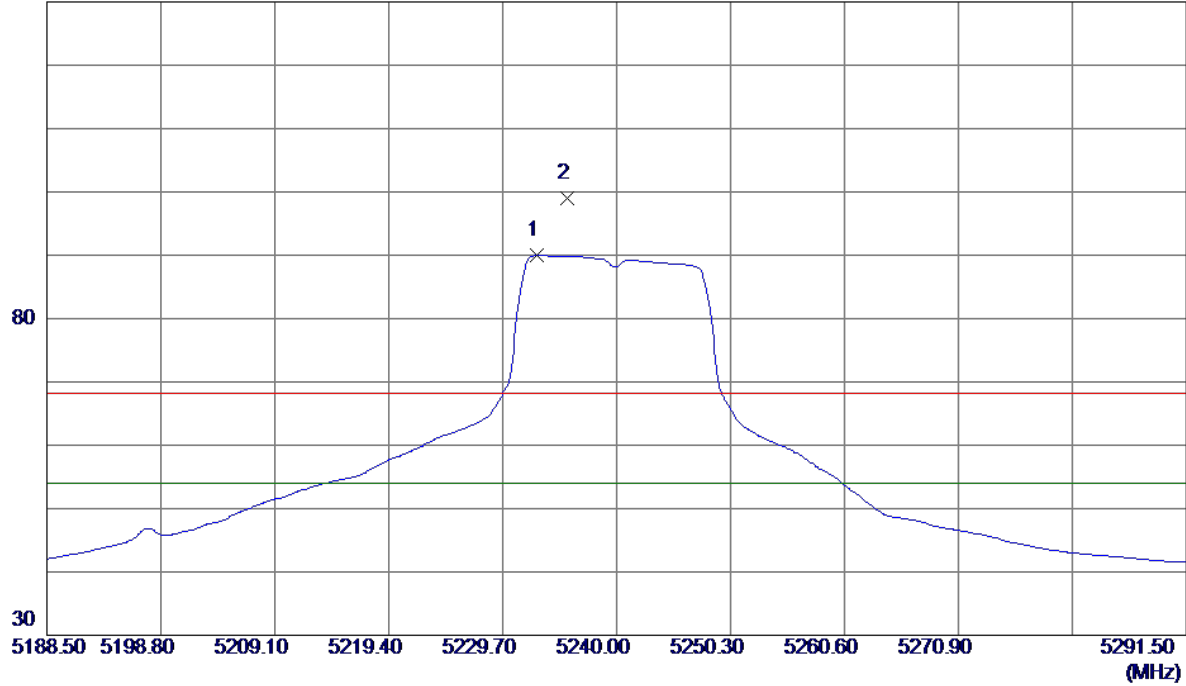


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3493.1730	26.47	1.32	27.79	54.00	-26.21	AVG	
2	3493.4200	36.62	1.32	37.94	68.30	-30.36	Peak	

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

Horizontal

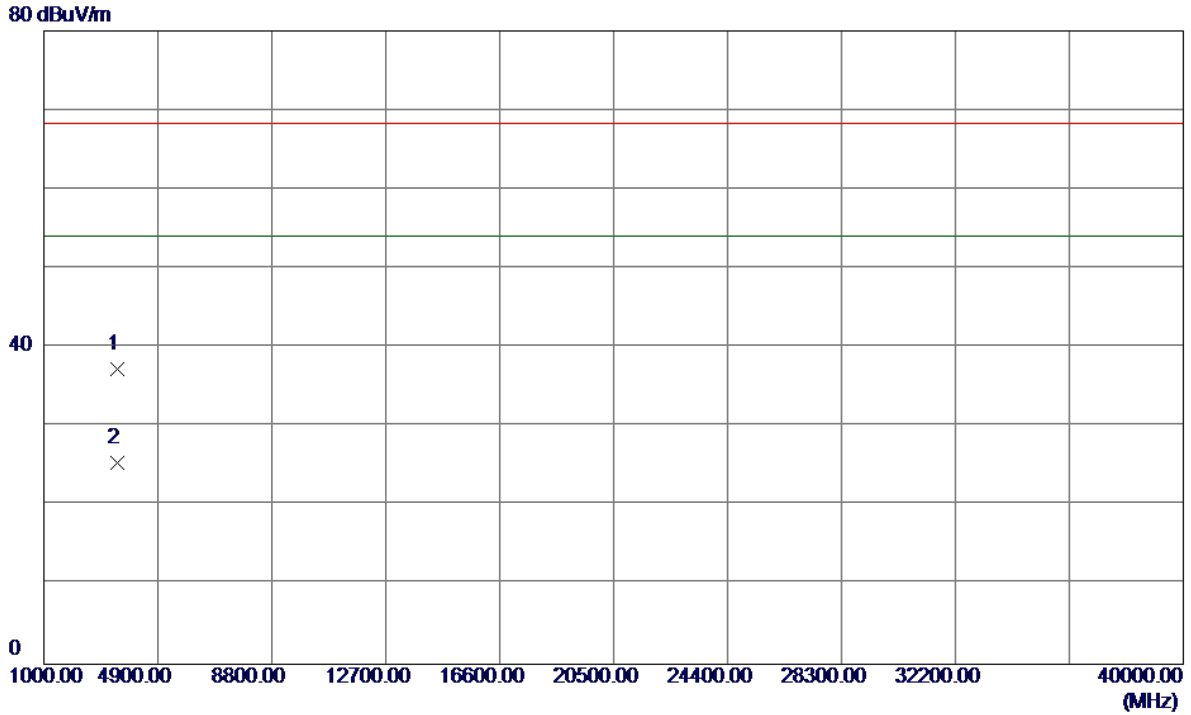
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5232.7900	49.06	40.90	89.96	54.00	35.96	AVG	No Limit
2	5235.5710	58.06	40.91	98.97	68.30	30.67	Peak	No Limit

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

Horizontal

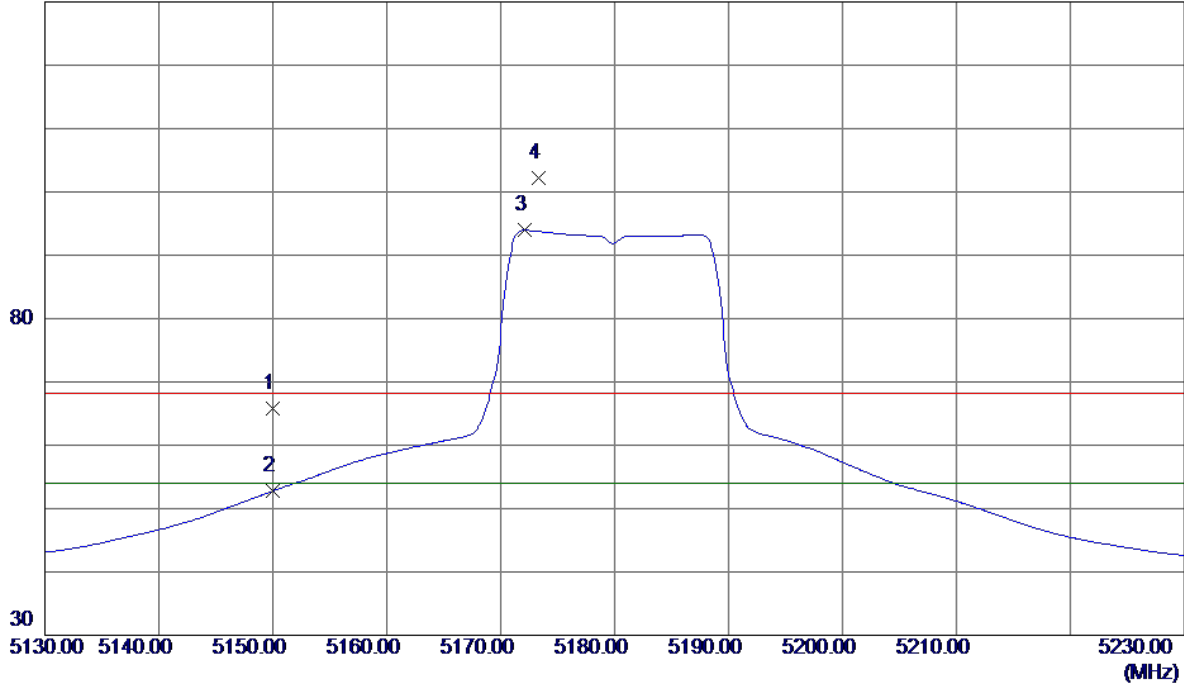


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3492.7930	35.90	1.32	37.22	68.30	-31.08	Peak	
2 *	3493.1680	24.09	1.32	25.41	54.00	-28.59	AVG	

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

Vertical

130 dBuV/m

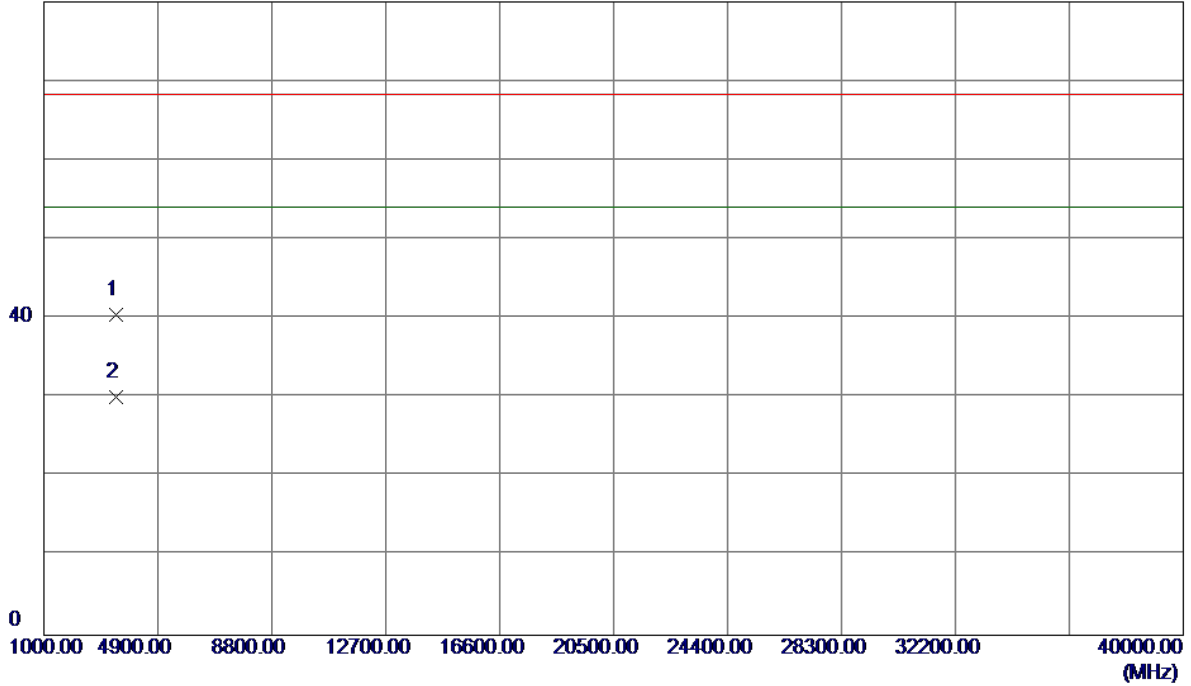


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	25.12	40.62	65.74	68.30	-2.56	Peak	
2	5150.0000	12.18	40.62	52.80	54.00	-1.20	AVG	
3 *	5172.1000	53.24	40.70	93.94	54.00	39.94	AVG	No Limit
4	5173.3000	61.46	40.70	102.16	68.30	33.86	Peak	No Limit

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

Vertical

80 dBuV/m

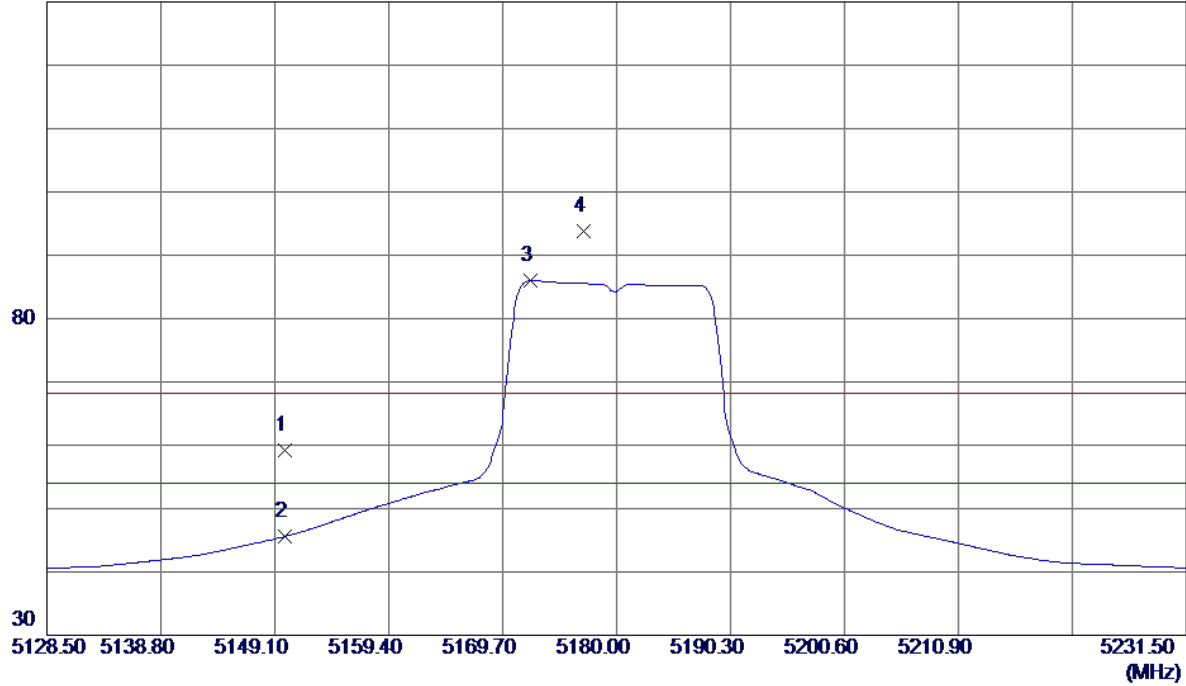


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3453.0520	39.15	1.34	40.49	68.30	-27.81	Peak	
2 *	3453.2550	28.70	1.34	30.04	54.00	-23.96	AVG	

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

Horizontal

130 dBuV/m

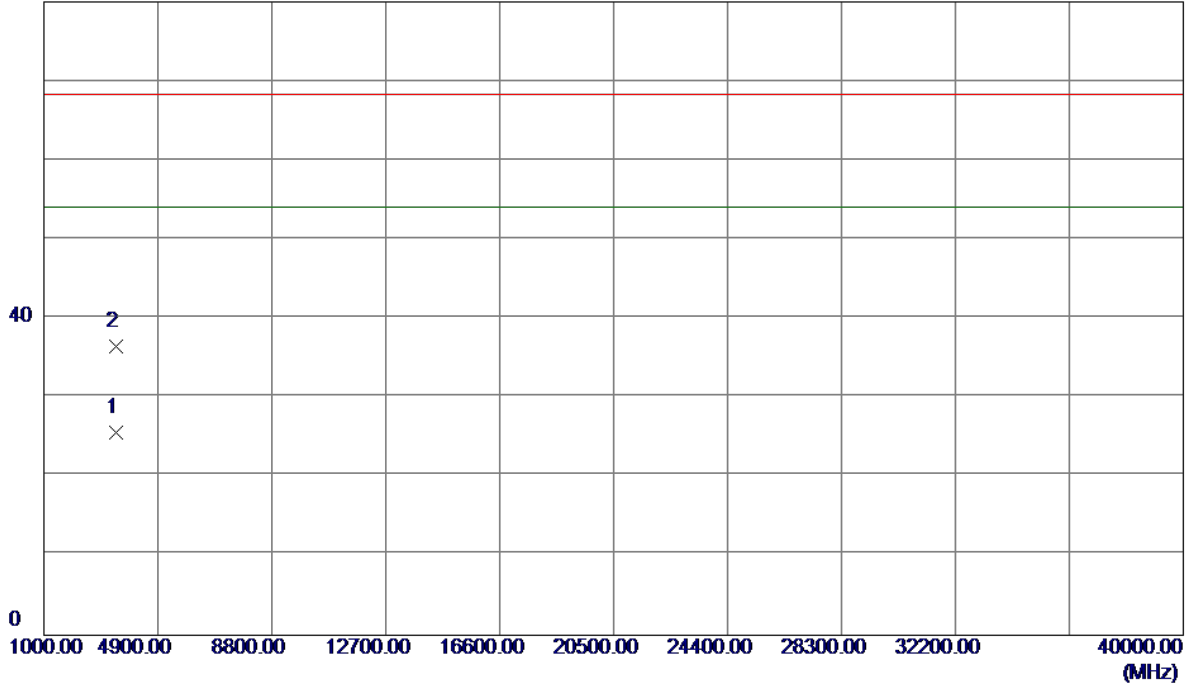


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	18.54	40.62	59.16	68.30	-9.14	Peak	
2	5150.0000	4.99	40.62	45.61	54.00	-8.39	AVG	
3 *	5172.2750	45.25	40.70	85.95	54.00	31.95	AVG	No Limit
4	5177.0650	53.15	40.71	93.86	68.30	25.56	Peak	No Limit

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

Horizontal

80 dBuV/m

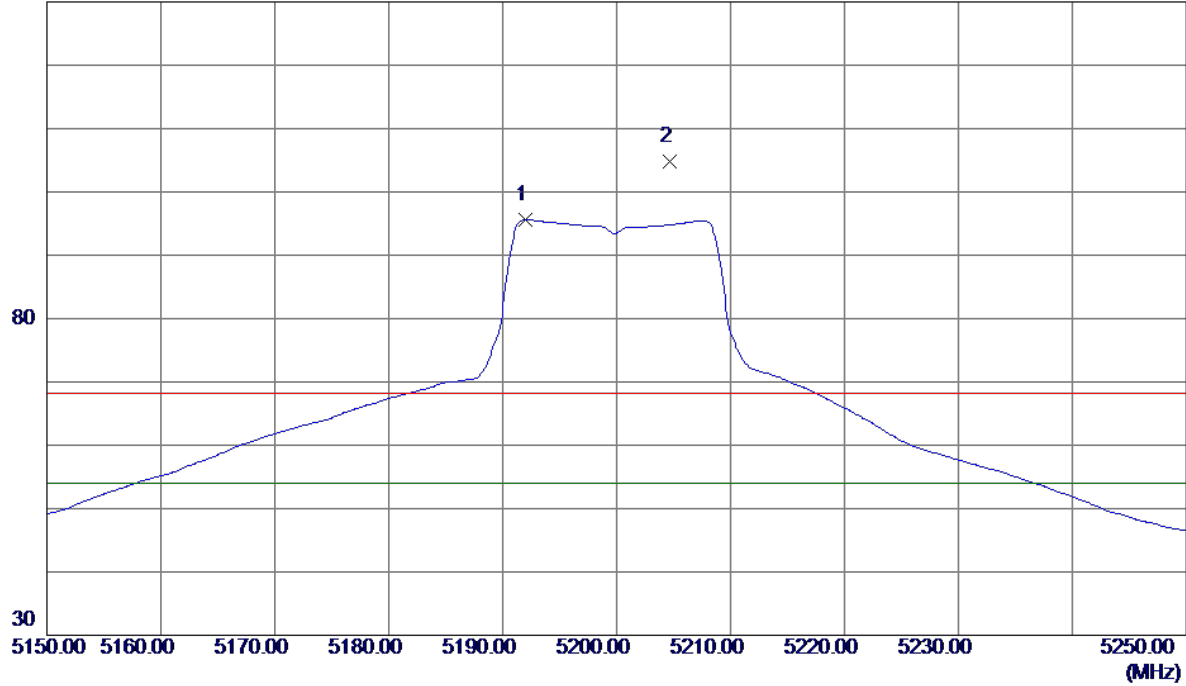


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3452.7400	24.31	1.34	25.65	54.00	-28.35	AVG	
2	3452.7670	35.11	1.34	36.45	68.30	-31.85	Peak	

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

Vertical

130 dBuV/m

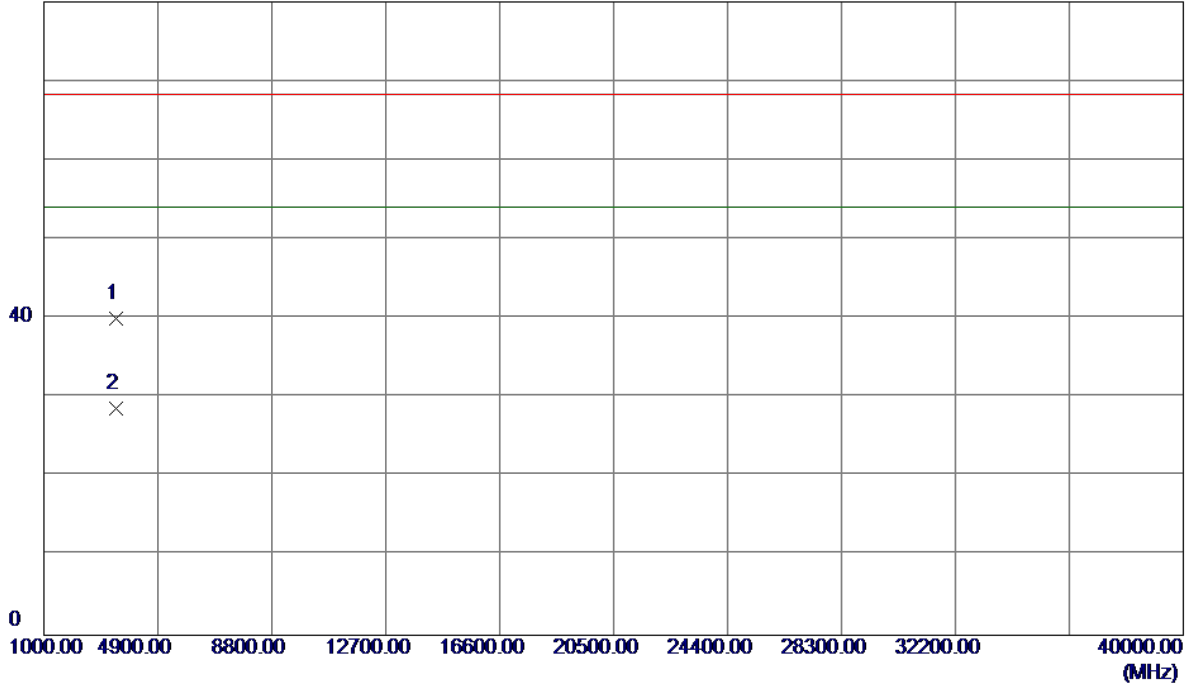


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5192.0500	54.86	40.76	95.62	54.00	41.62	AVG	No Limit
2	5204.6500	63.96	40.81	104.77	68.30	36.47	Peak	No Limit

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

Vertical

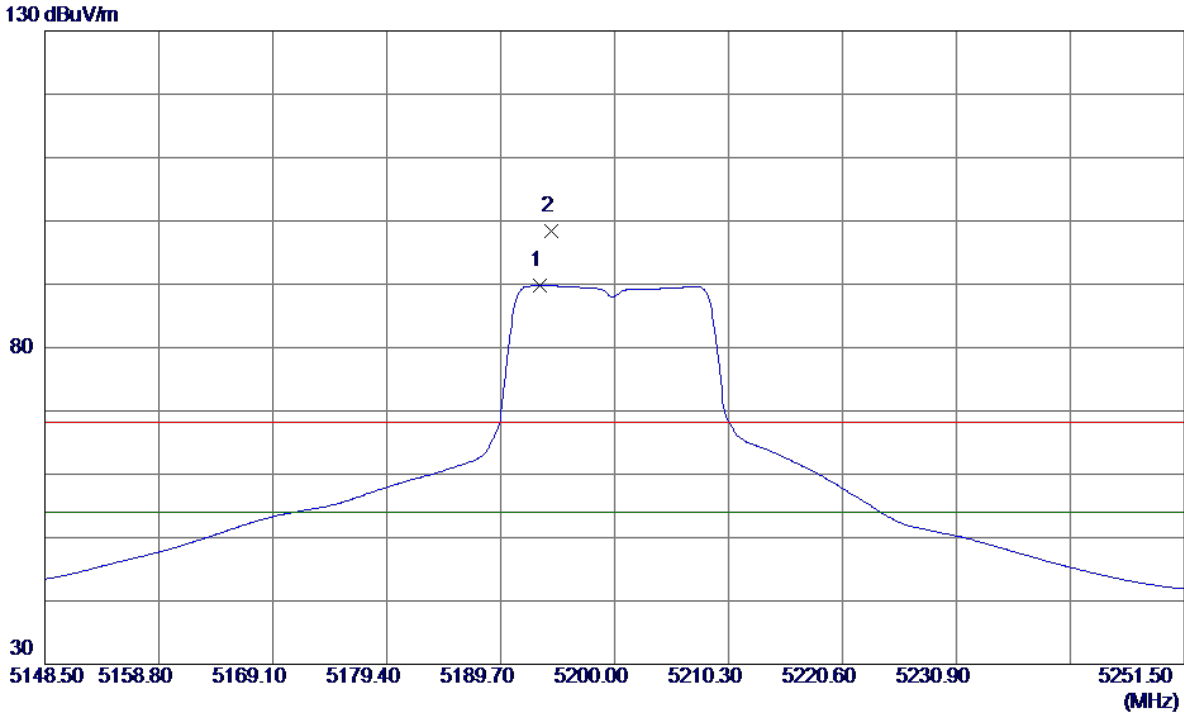
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3466.4720	38.62	1.33	39.95	68.30	-28.35	Peak	
2 *	3466.5750	27.32	1.33	28.65	54.00	-25.35	AVG	

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

Horizontal

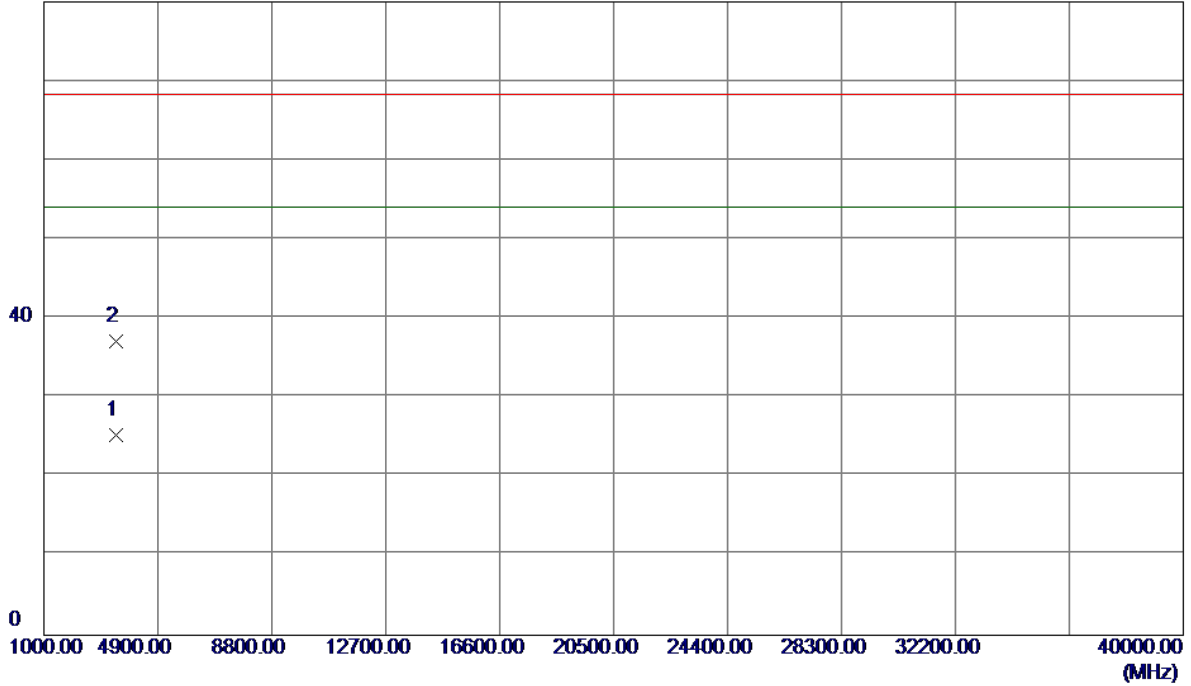


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5193.2020	48.99	40.77	89.76	54.00	35.76	AVG	No Limit
2	5194.2320	57.57	40.77	98.34	68.30	30.04	Peak	No Limit

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

Horizontal

80 dBuV/m

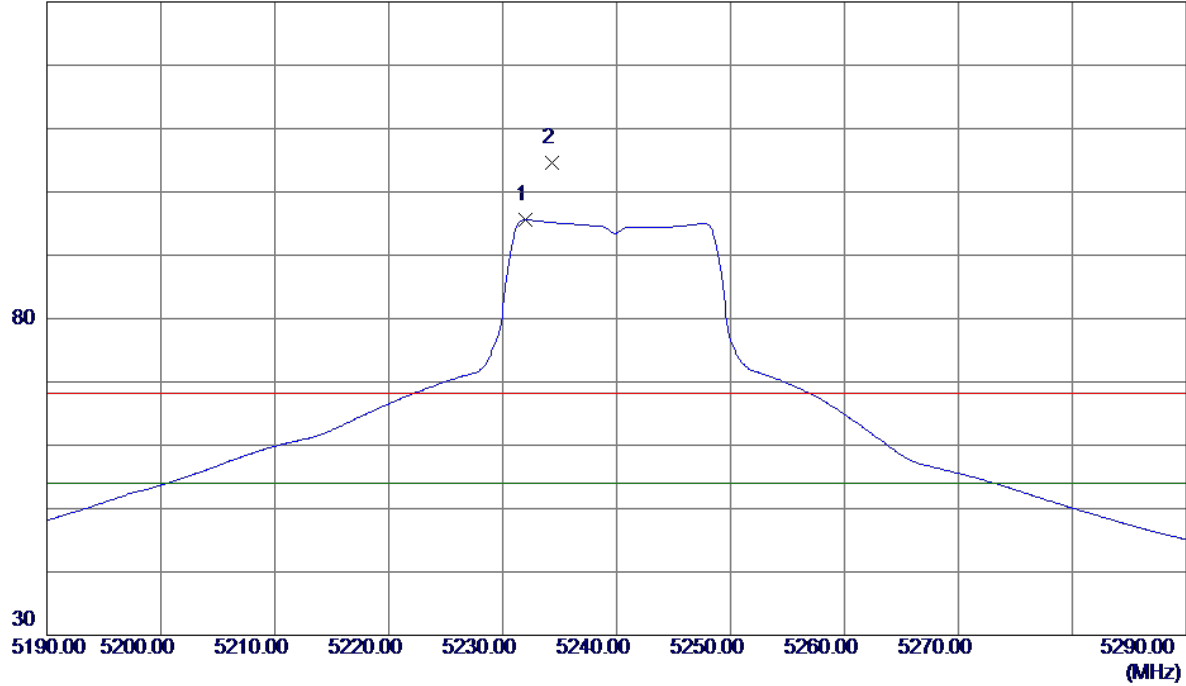


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3466.5900	23.90	1.33	25.23	54.00	-28.77	AVG	
2	3466.6620	35.74	1.33	37.07	68.30	-31.23	Peak	

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

Vertical

130 dBuV/m

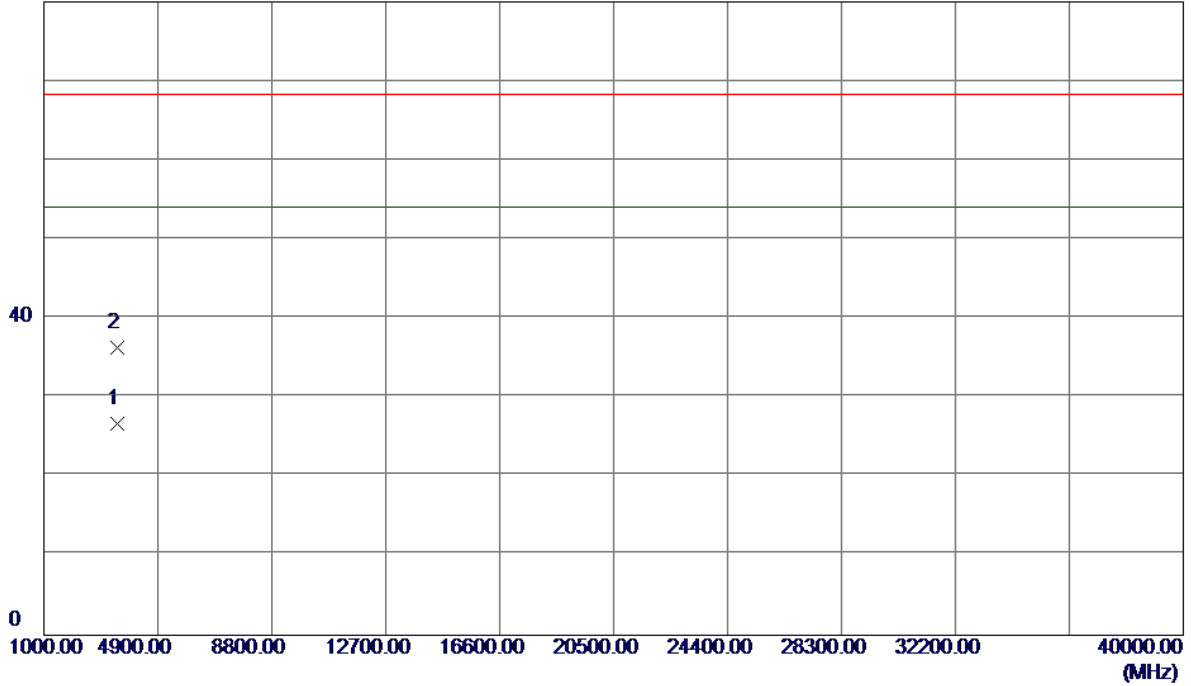


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5232.0500	54.68	40.90	95.58	54.00	41.58	AVG	No Limit
2	5234.3500	63.75	40.90	104.65	68.30	36.35	Peak	No Limit

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

Vertical

80 dBuV/m

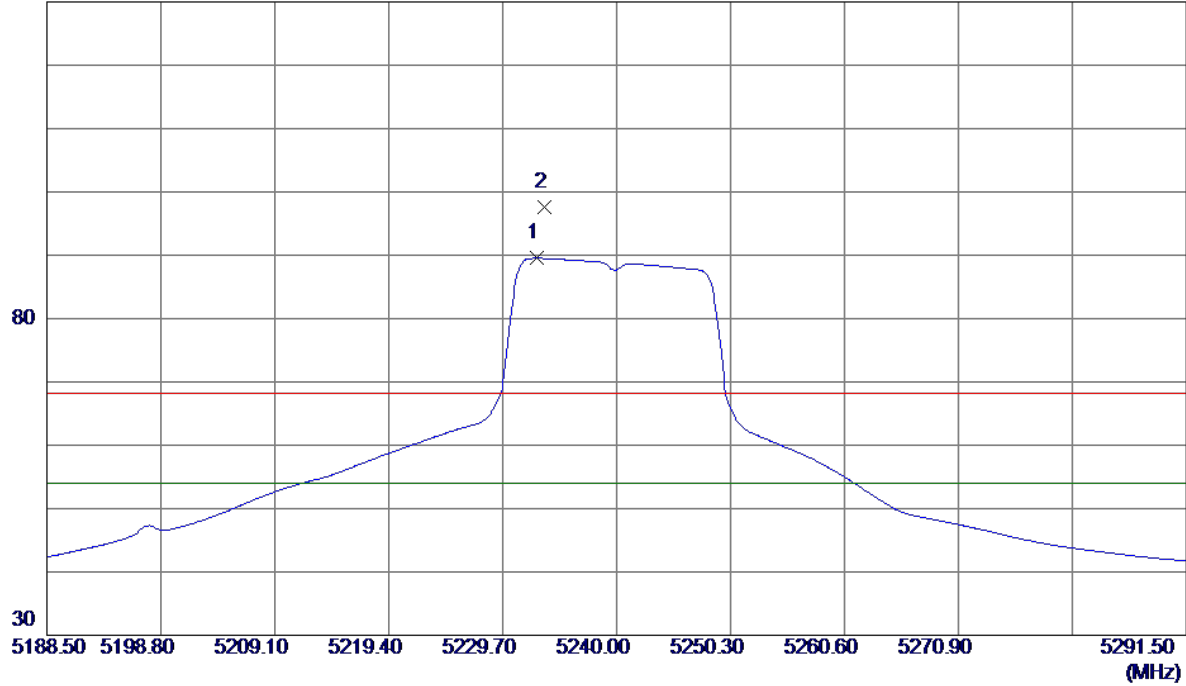


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3493.1950	25.34	1.32	26.66	54.00	-27.34	AVG	
2	3493.3380	35.00	1.32	36.32	68.30	-31.98	Peak	

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

Horizontal

130 dBuV/m

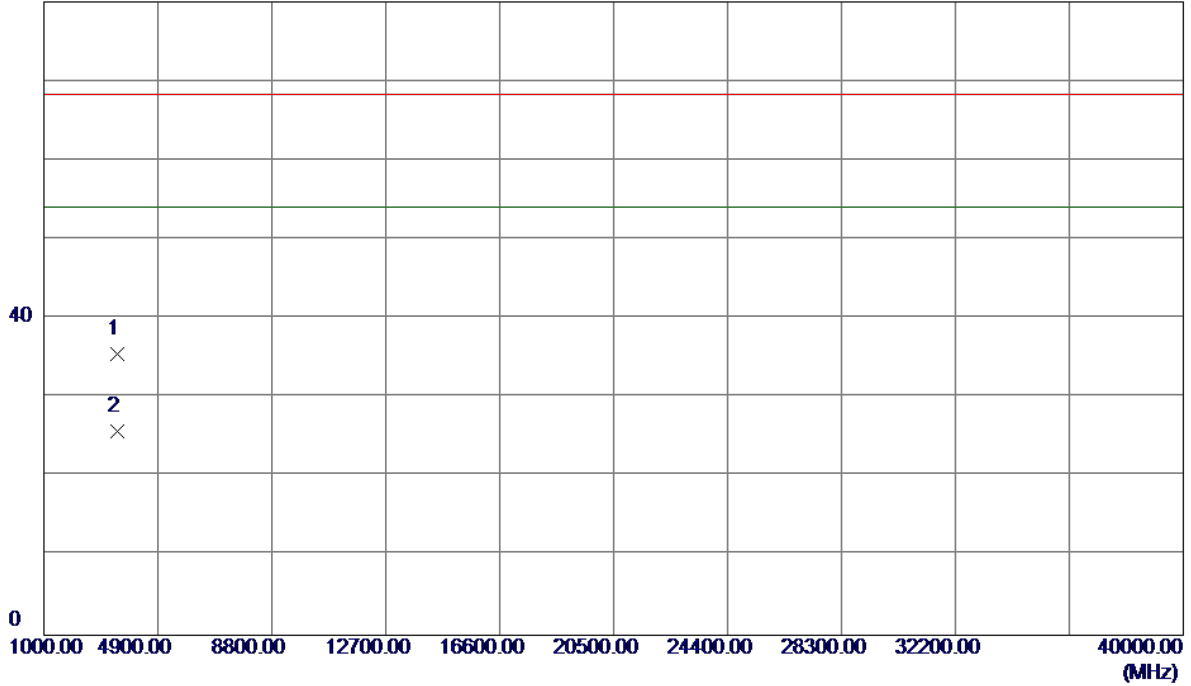


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5232.7900	48.61	40.90	89.51	54.00	35.51	AVG	No Limit
2	5233.4590	56.72	40.90	97.62	68.30	29.32	Peak	No Limit

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

Horizontal

80 dBuV/m

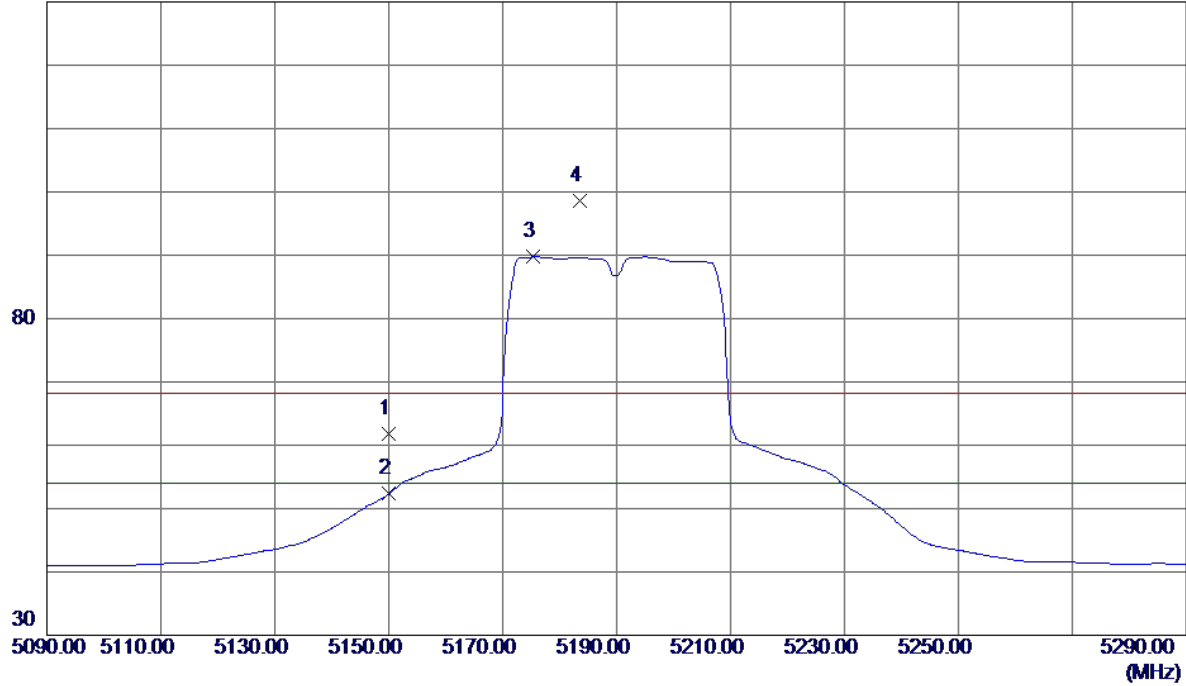


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3493.0630	34.17	1.32	35.49	68.30	-32.81	Peak	
2 *	3493.2780	24.39	1.32	25.71	54.00	-28.29	AVG	

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

Vertical

130 dBuV/m

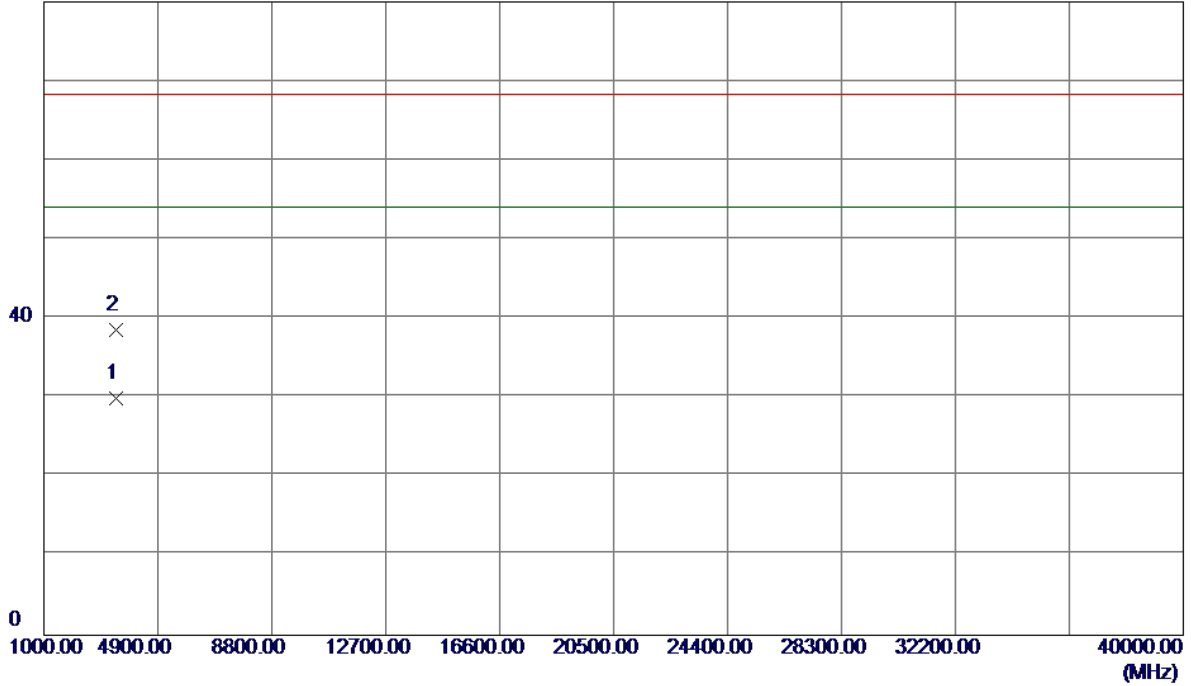


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	21.19	40.62	61.81	68.30	-6.49	Peak	
2	5150.0000	11.77	40.62	52.39	54.00	-1.61	AVG	
3 *	5175.4000	49.02	40.71	89.73	54.00	35.73	AVG	No Limit
4	5183.5000	57.92	40.74	98.66	68.30	30.36	Peak	No Limit

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

Vertical

80 dBuV/m

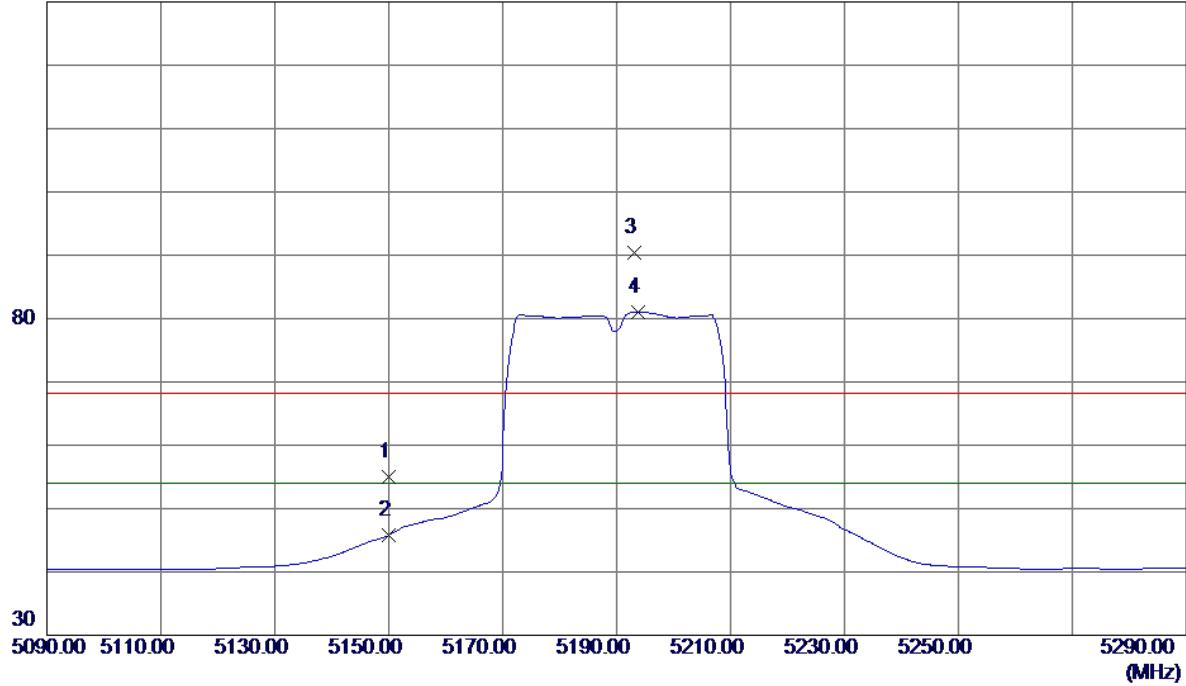


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3459.7650	28.61	1.33	29.94	54.00	-24.06	AVG	
2	3459.8350	37.29	1.33	38.62	68.30	-29.68	Peak	

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

Horizontal

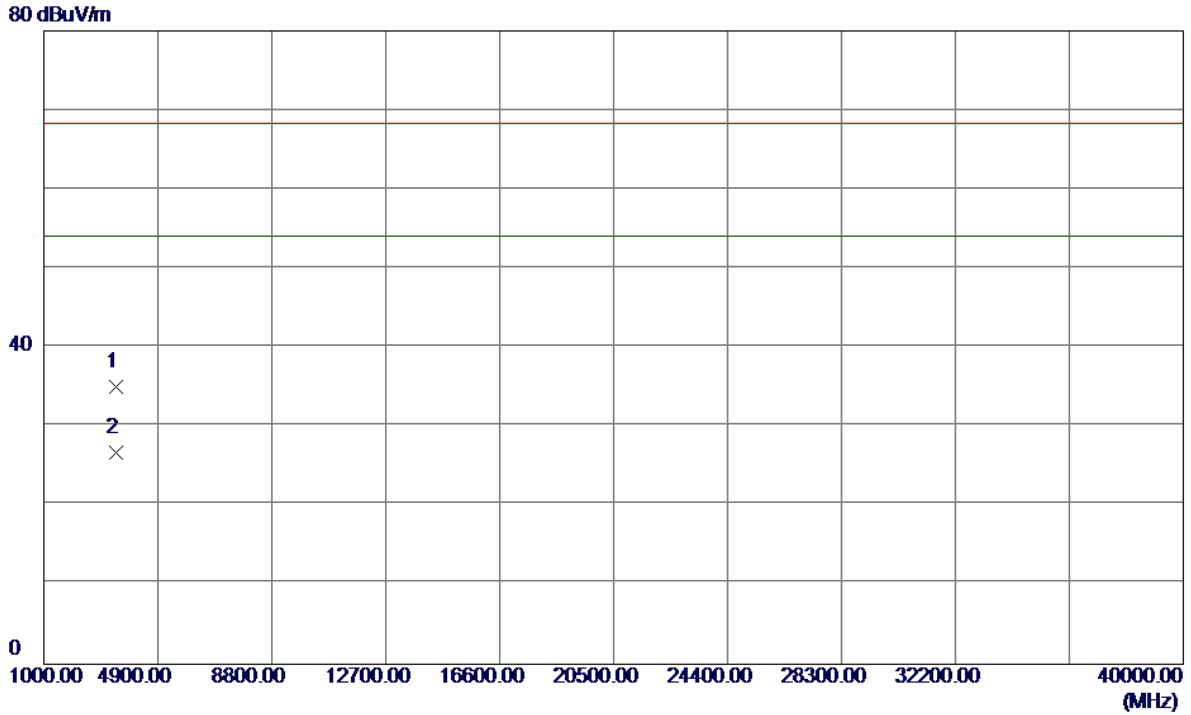
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	14.43	40.62	55.05	68.30	-13.25	Peak	
2	5150.0000	5.22	40.62	45.84	54.00	-8.16	AVG	
3	5193.1000	49.61	40.77	90.38	68.30	22.08	Peak	No Limit
4 *	5193.8000	40.25	40.77	81.02	54.00	27.02	AVG	No Limit

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

Horizontal

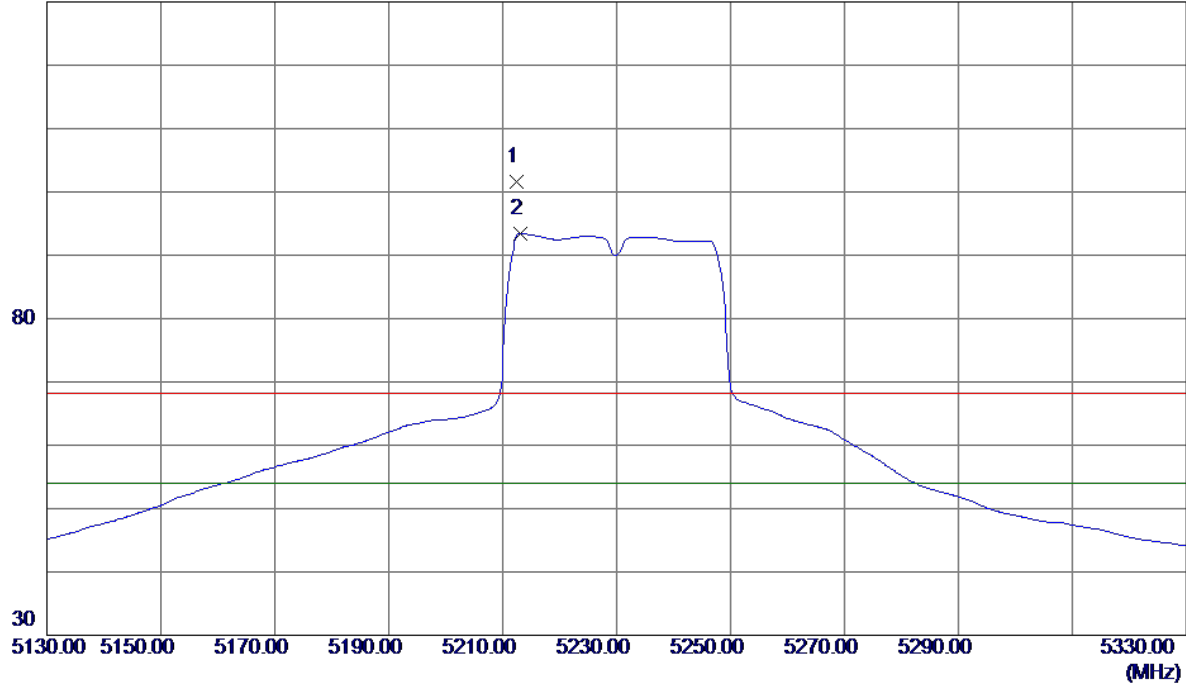


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3459.8080	33.74	1.33	35.07	68.30	-33.23	Peak	
2 *	3459.8780	25.39	1.33	26.72	54.00	-27.28	AVG	

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

Vertical

130 dBuV/m

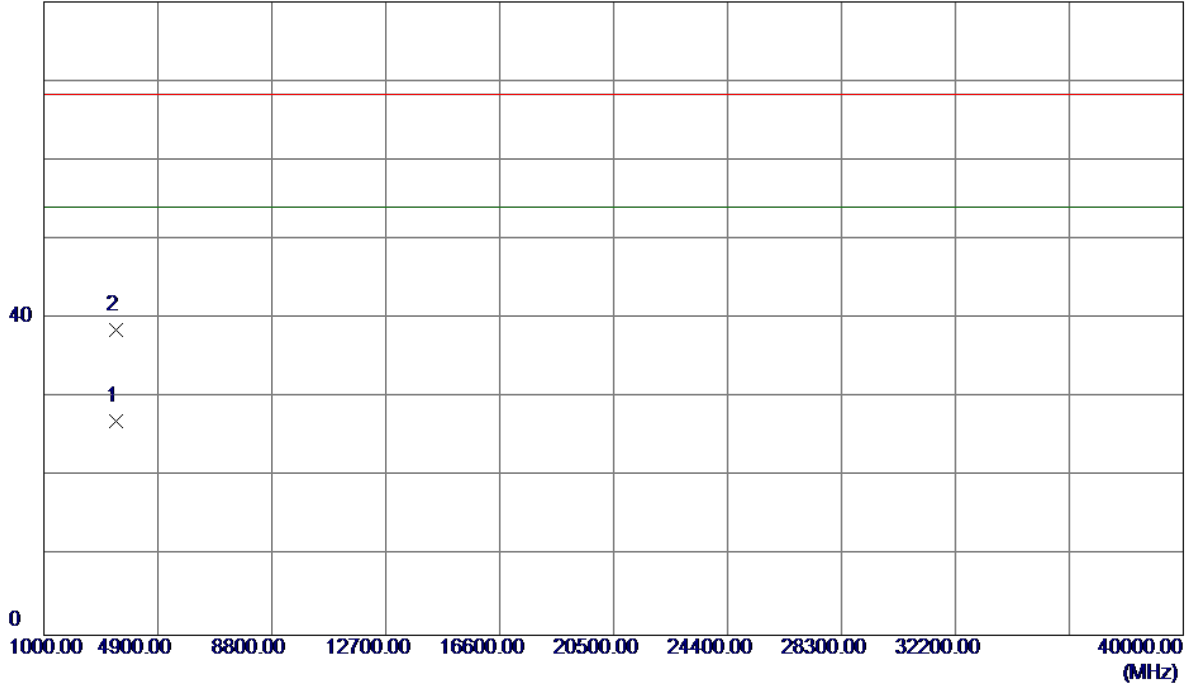


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5212.5000	60.75	40.83	101.58	68.30	33.28	Peak	No Limit
2 *	5213.1000	52.65	40.83	93.48	54.00	39.48	AVG	No Limit

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

Vertical

80 dBuV/m

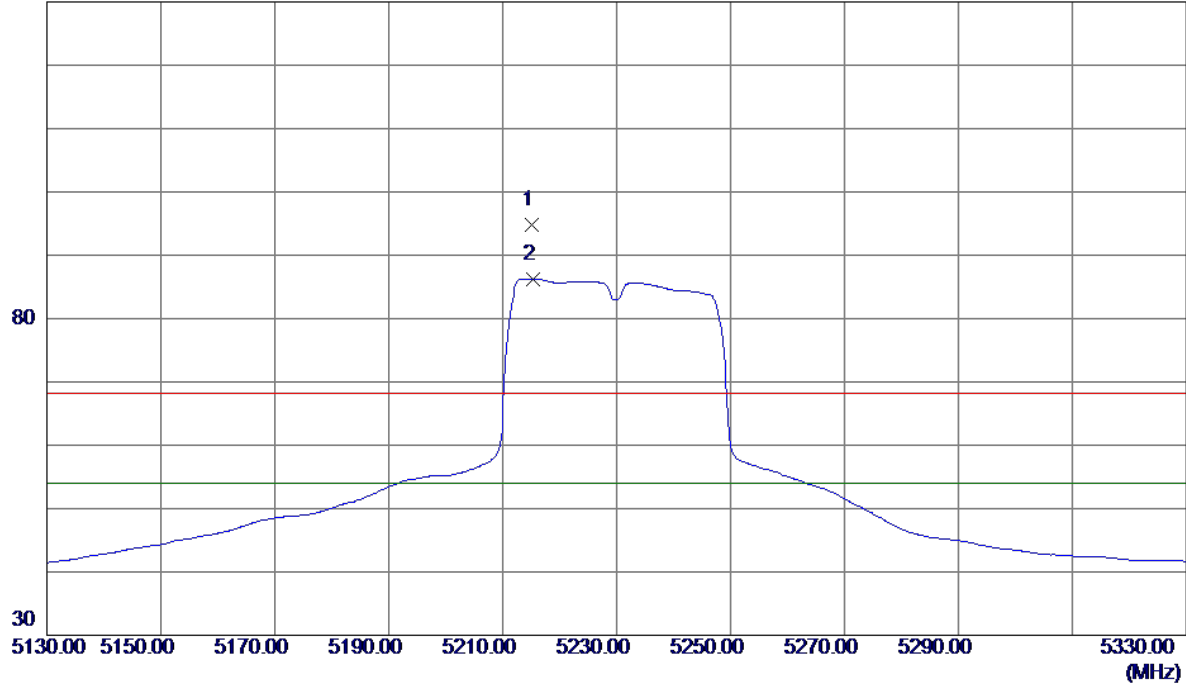


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3486.4950	25.68	1.32	27.00	54.00	-27.00	AVG	
2	3486.8600	37.29	1.32	38.61	68.30	-29.69	Peak	

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

Horizontal

130 dBuV/m

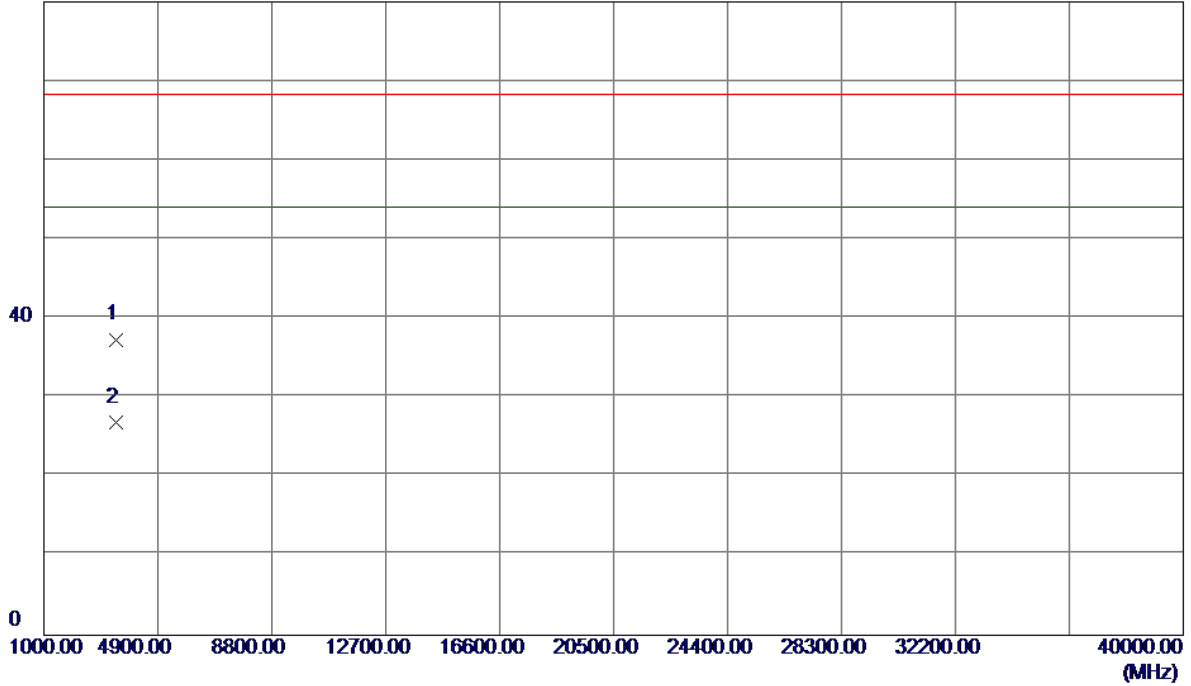


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5215.2000	54.02	40.84	94.86	68.30	26.56	Peak	No Limit
2 *	5215.3000	45.44	40.84	86.28	54.00	32.28	AVG	No Limit

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

Horizontal

80 dBuV/m

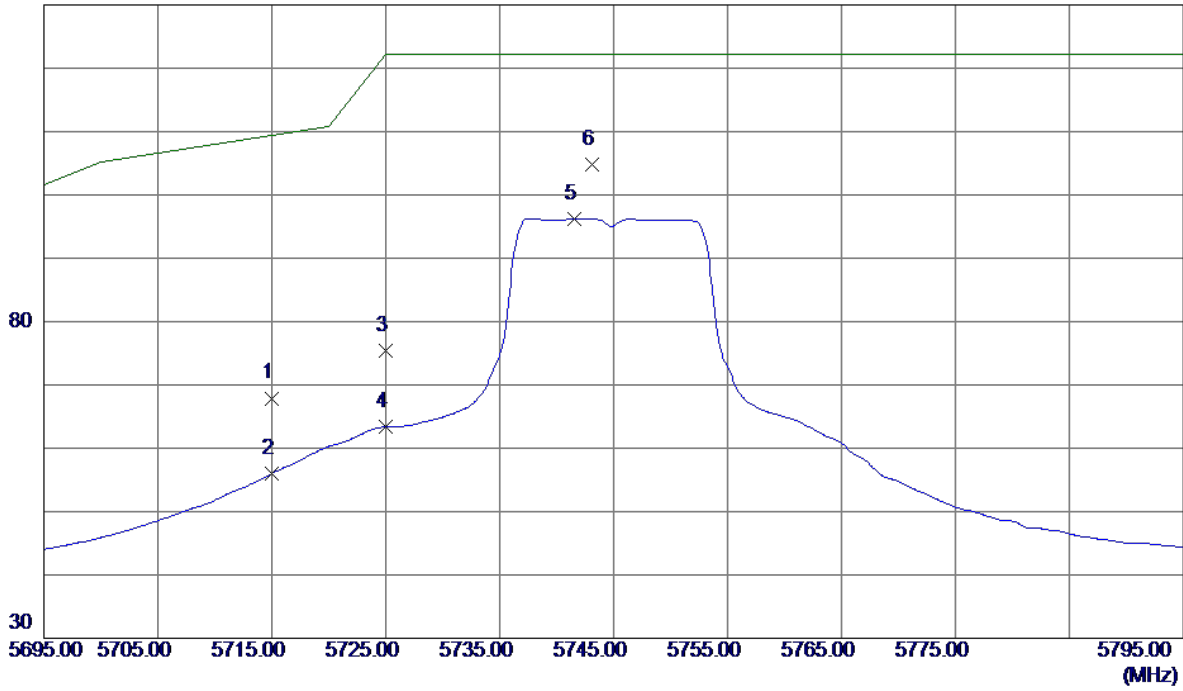


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3486.4120	36.04	1.32	37.36	68.30	-30.94	Peak	
2 *	3486.7130	25.49	1.32	26.81	54.00	-27.19	AVG	

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

Vertical

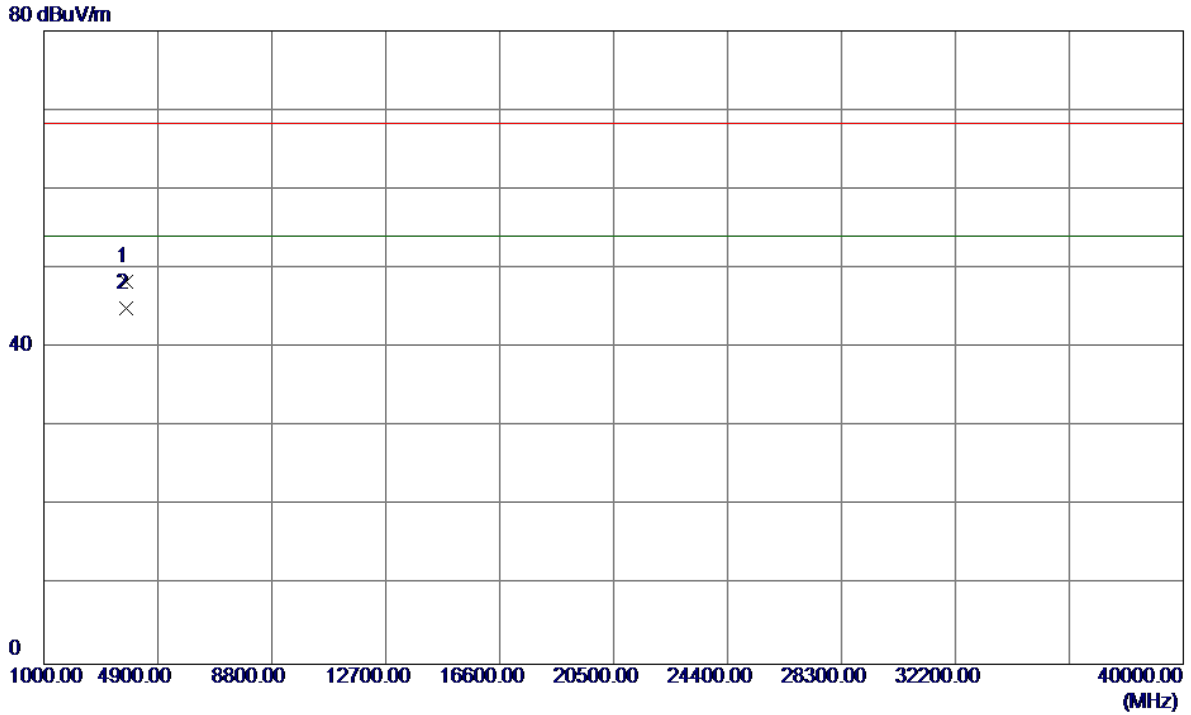
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	25.35	42.55	67.90	109.40	-41.50	Peak	
2	5715.0000	13.49	42.55	56.04	109.40	-53.36	AVG	
3	5725.0000	32.84	42.58	75.42	122.20	-46.78	Peak	
4	5725.0000	20.85	42.58	63.43	122.20	-58.77	AVG	
5	5741.6000	53.63	42.64	96.27	122.20	-25.93	AVG	No Limit
6 *	5743.1500	62.13	42.65	104.78	122.20	-17.42	Peak	No Limit

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

Vertical

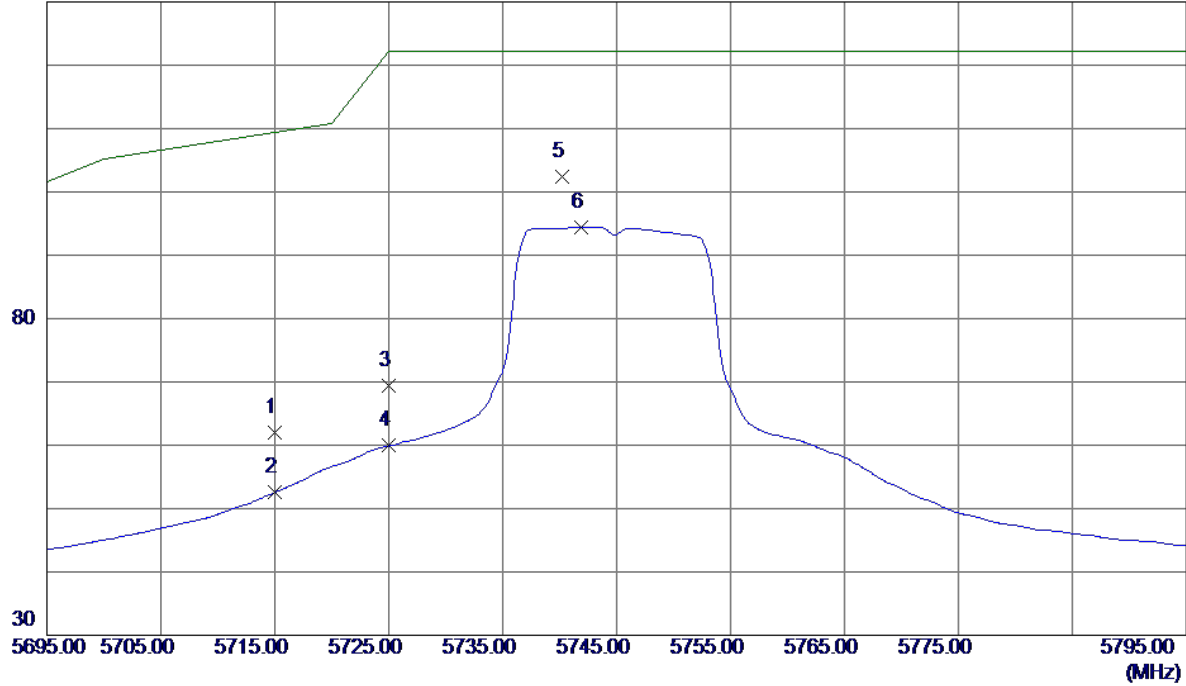


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3829.8150	45.96	2.39	48.35	68.30	-19.95	Peak	
2 *	3829.8230	42.61	2.39	45.00	54.00	-9.00	AVG	

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

Horizontal

130 dBuV/m

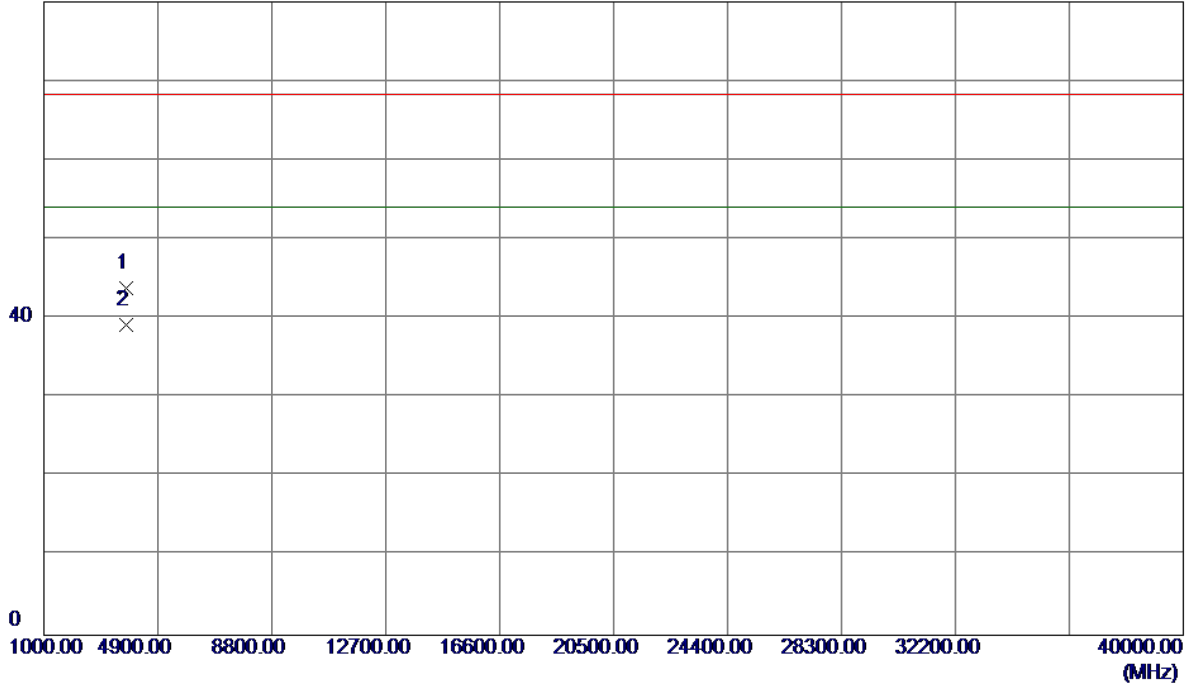


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	19.47	42.55	62.02	109.40	-47.38	Peak	
2	5715.0000	10.06	42.55	52.61	109.40	-56.79	AVG	
3	5725.0000	26.89	42.58	69.47	122.20	-52.73	Peak	
4	5725.0000	17.33	42.58	59.91	122.20	-62.29	AVG	
5 *	5740.2500	59.74	42.64	102.38	122.20	-19.82	Peak	No Limit
6	5741.8500	51.84	42.64	94.48	122.20	-27.72	AVG	No Limit

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

Horizontal

80 dBuV/m

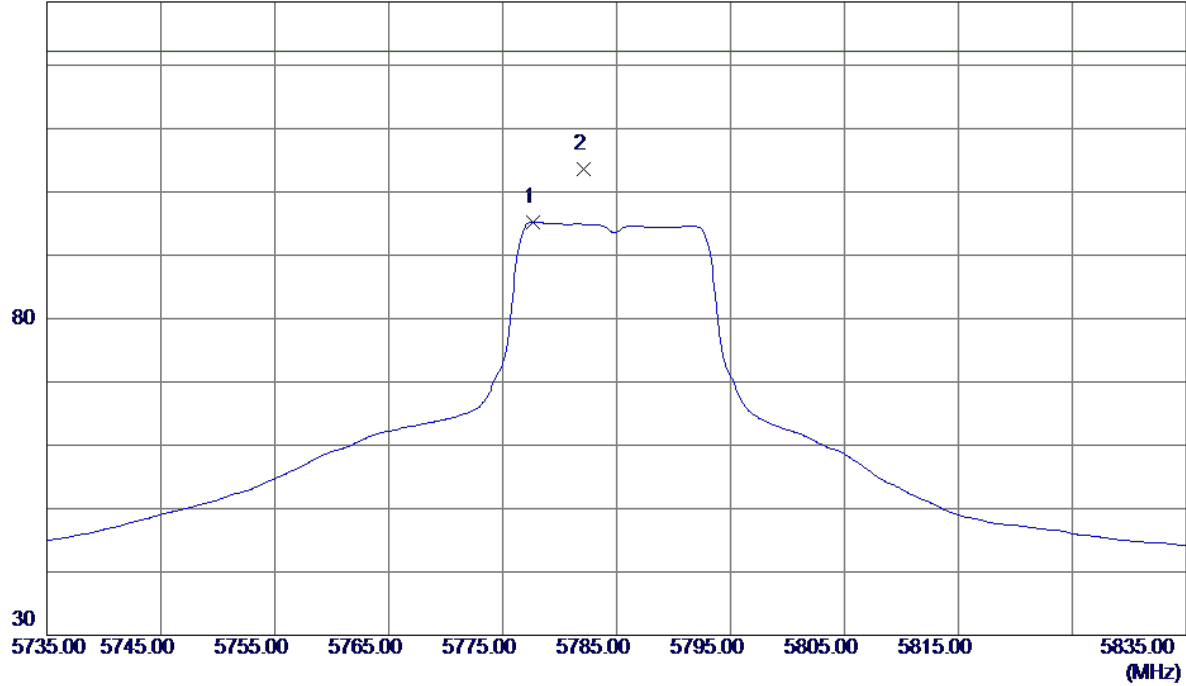


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3829.8520	41.45	2.39	43.84	68.30	-24.46	Peak	
2 *	3829.8600	36.80	2.39	39.19	54.00	-14.81	AVG	

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

Vertical

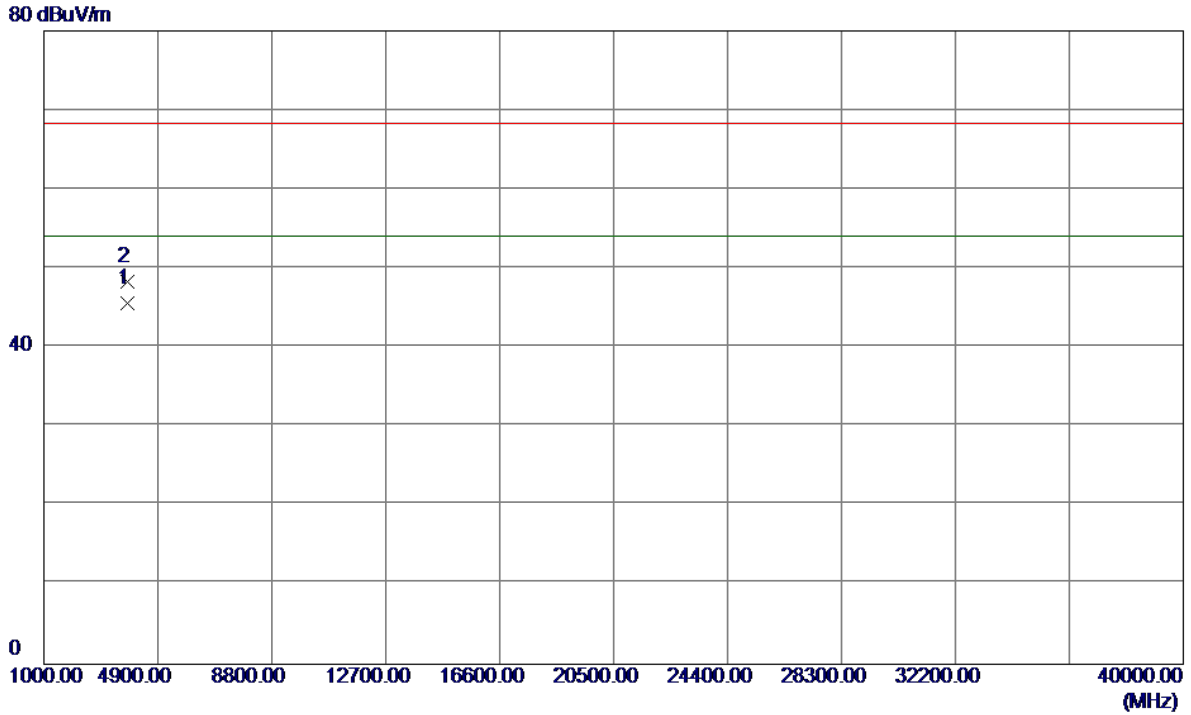
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5777.6500	52.42	42.77	95.19	122.20	-27.01	AVG	No Limit
2 *	5782.1000	60.76	42.78	103.54	122.20	-18.66	Peak	No Limit

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

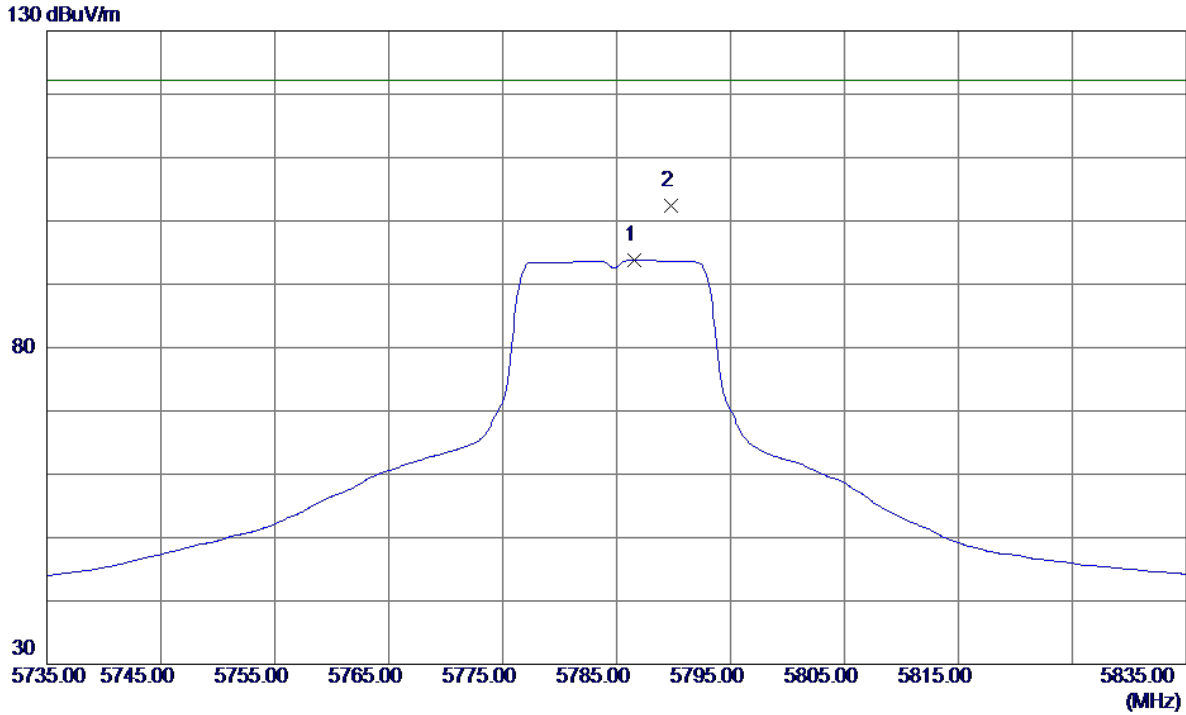
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3856.5200	43.07	2.48	45.55	54.00	-8.45	AVG	
2	3856.5230	45.90	2.48	48.38	68.30	-19.92	Peak	

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

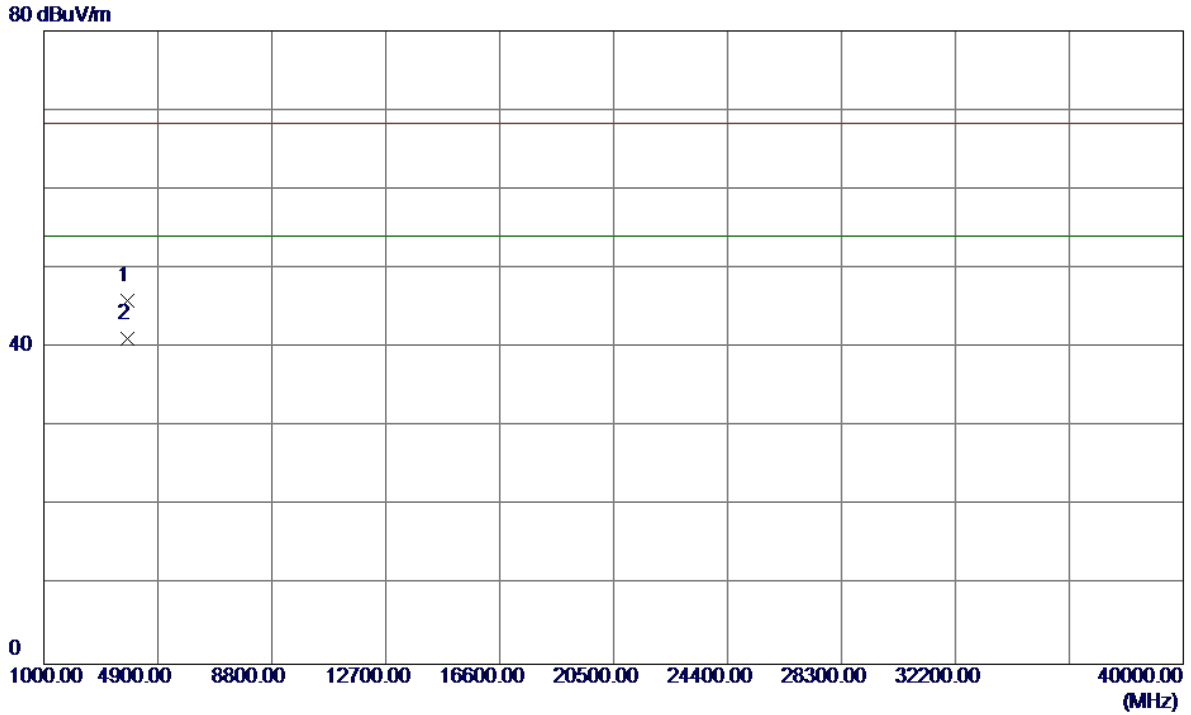
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5786.5500	51.05	42.80	93.85	122.20	-28.35	AVG	No Limit
2 *	5789.7500	59.53	42.81	102.34	122.20	-19.86	Peak	No Limit

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

Horizontal

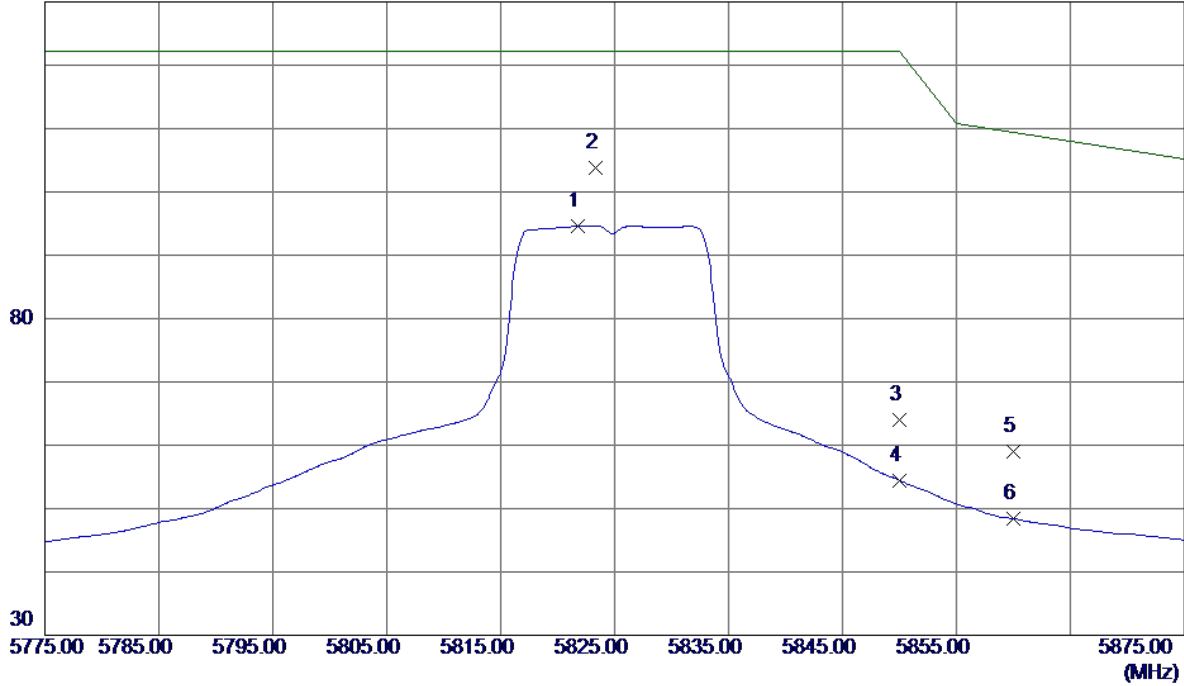


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3856.5000	43.44	2.48	45.92	68.30	-22.38	Peak	
2 *	3856.5150	38.69	2.48	41.17	54.00	-12.83	AVG	

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

Vertical

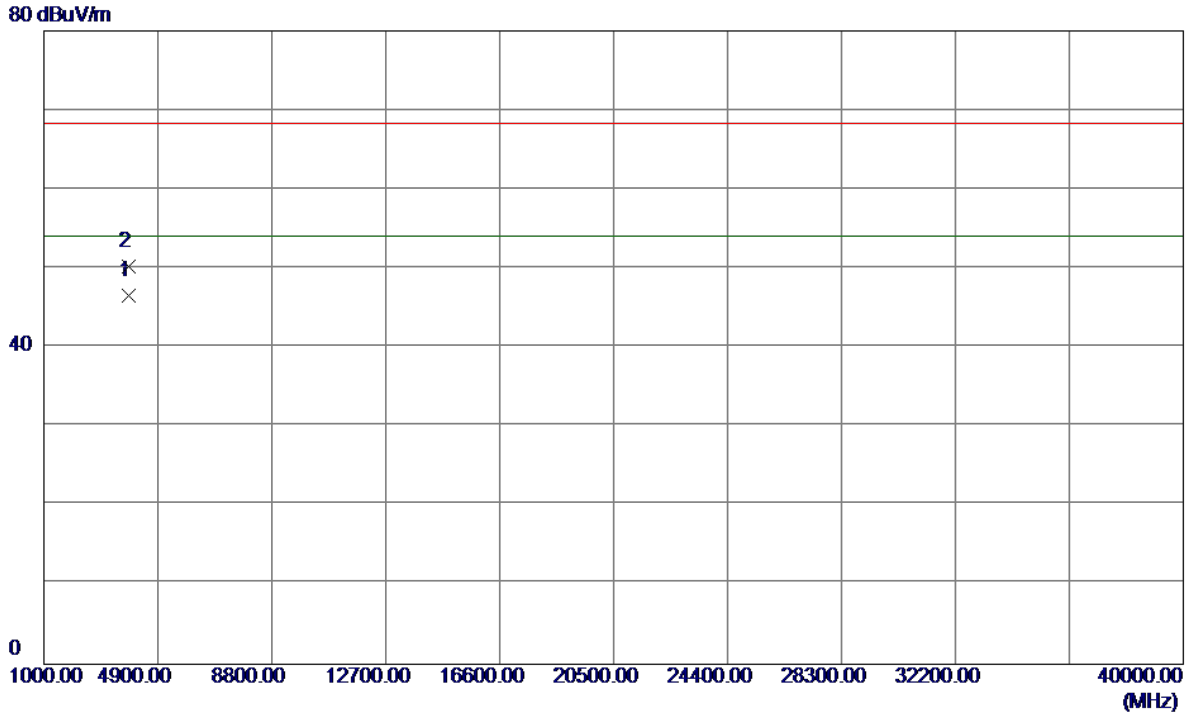
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5821.8000	51.69	42.93	94.62	122.20	-27.58	AVG	No Limit
2 *	5823.3000	60.87	42.93	103.80	122.20	-18.40	Peak	No Limit
3	5850.0000	20.94	43.03	63.97	122.20	-58.23	Peak	
4	5850.0000	11.42	43.03	54.45	122.20	-67.75	AVG	
5	5860.0000	15.98	43.06	59.04	109.40	-50.36	Peak	
6	5860.0000	5.37	43.06	48.43	109.40	-60.97	AVG	

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

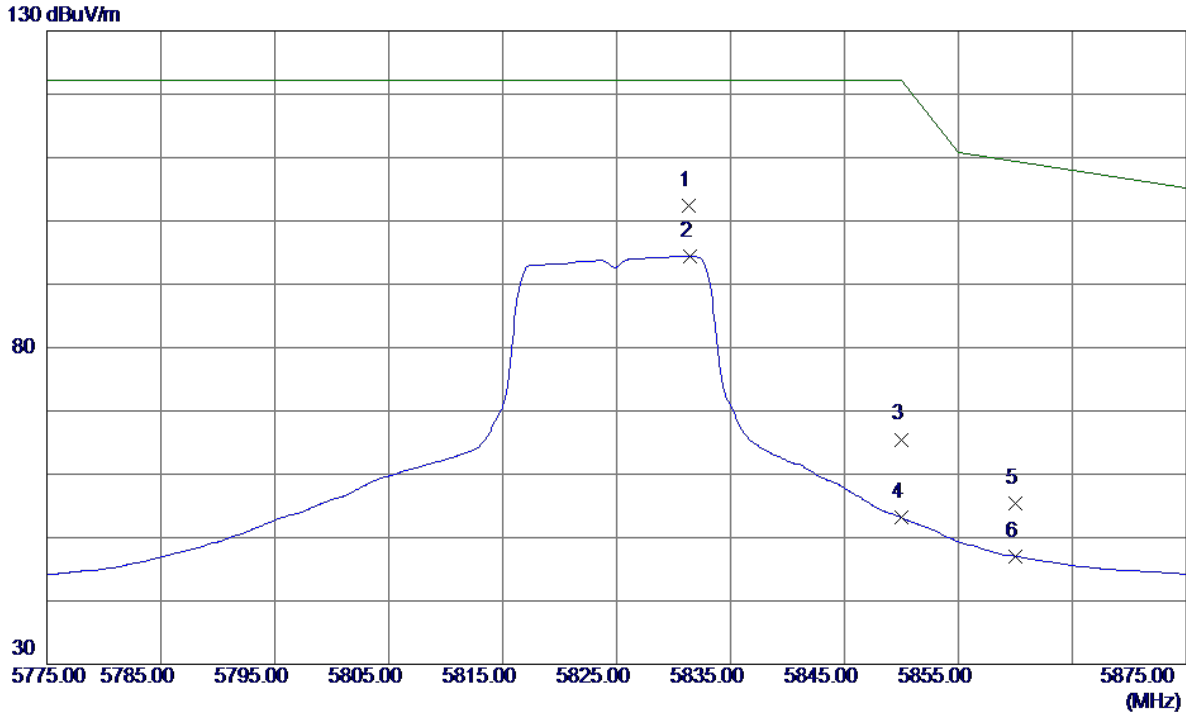
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3883.1700	43.95	2.57	46.52	54.00	-7.48	AVG	
2	3883.1730	47.73	2.57	50.30	68.30	-18.00	Peak	

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

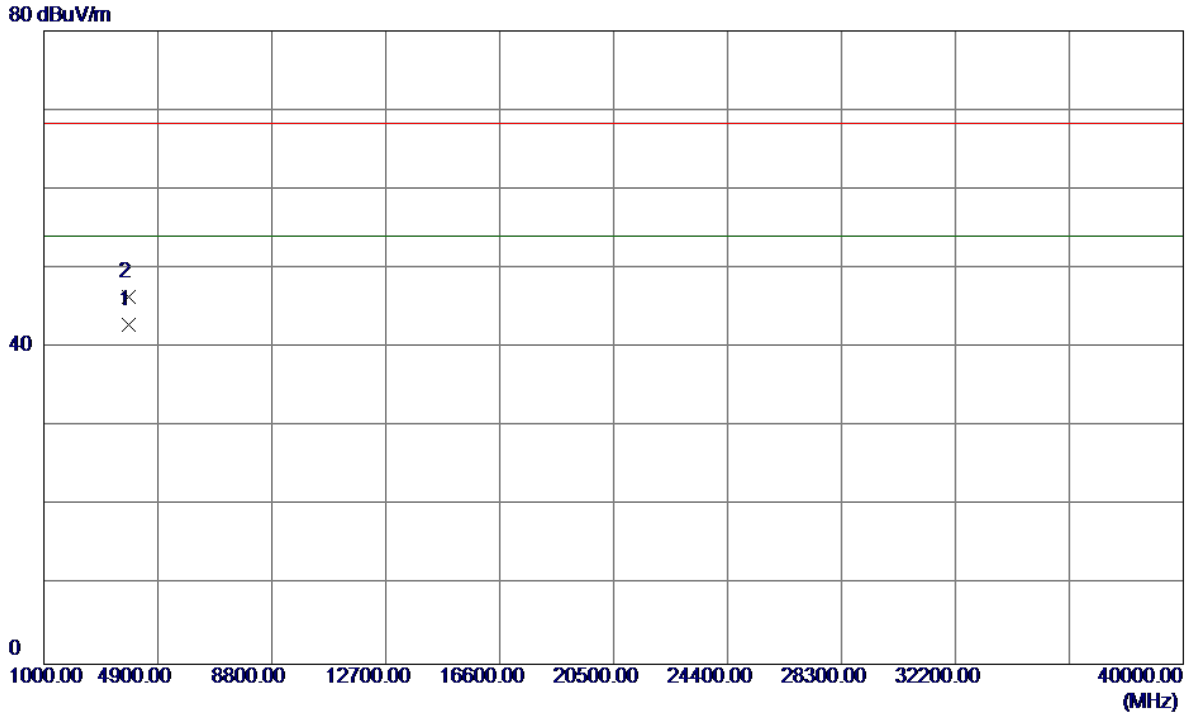
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5831.3000	59.43	42.96	102.39	122.20	-19.81	Peak	No Limit
2	5831.4500	51.46	42.96	94.42	122.20	-27.78	AVG	No Limit
3	5850.0000	22.47	43.03	65.50	122.20	-56.70	Peak	
4	5850.0000	10.13	43.03	53.16	122.20	-69.04	AVG	
5	5860.0000	12.31	43.06	55.37	109.40	-54.03	Peak	
6	5860.0000	4.00	43.06	47.06	109.40	-62.34	AVG	

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

Horizontal

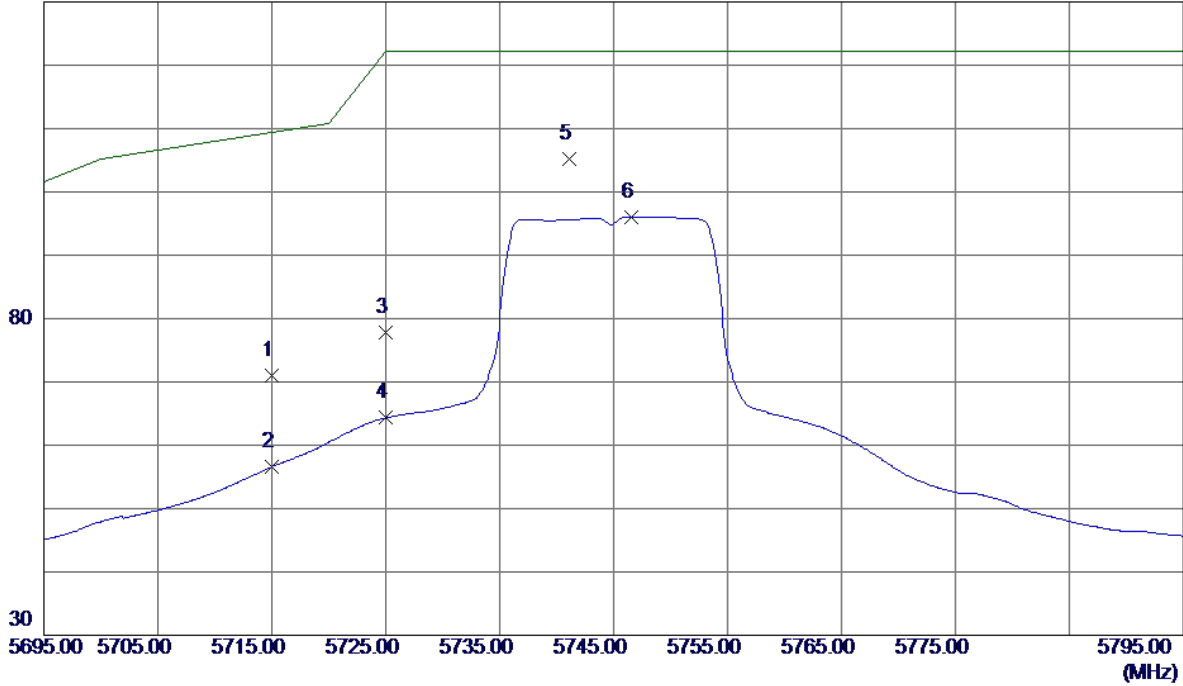


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3883.1880	40.38	2.57	42.95	54.00	-11.05	AVG	
2	3883.1950	43.85	2.57	46.42	68.30	-21.88	Peak	

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

Vertical

130 dBuV/m

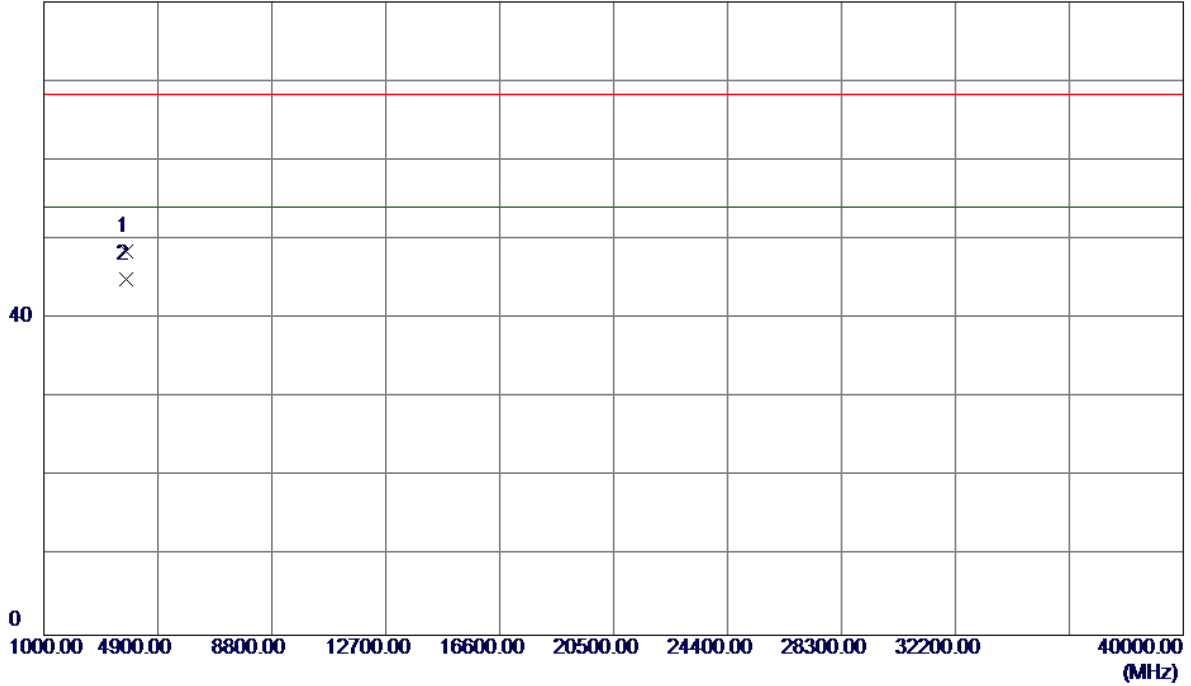


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	28.43	42.55	70.98	109.40	-38.42	Peak	
2	5715.0000	14.10	42.55	56.65	109.40	-52.75	AVG	
3	5725.0000	35.21	42.58	77.79	122.20	-44.41	Peak	
4	5725.0000	21.74	42.58	64.32	122.20	-57.88	AVG	
5 *	5741.1000	62.50	42.64	105.14	122.20	-17.06	Peak	No Limit
6	5746.6000	53.41	42.66	96.07	122.20	-26.13	AVG	No Limit

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

Vertical

80 dBuV/m

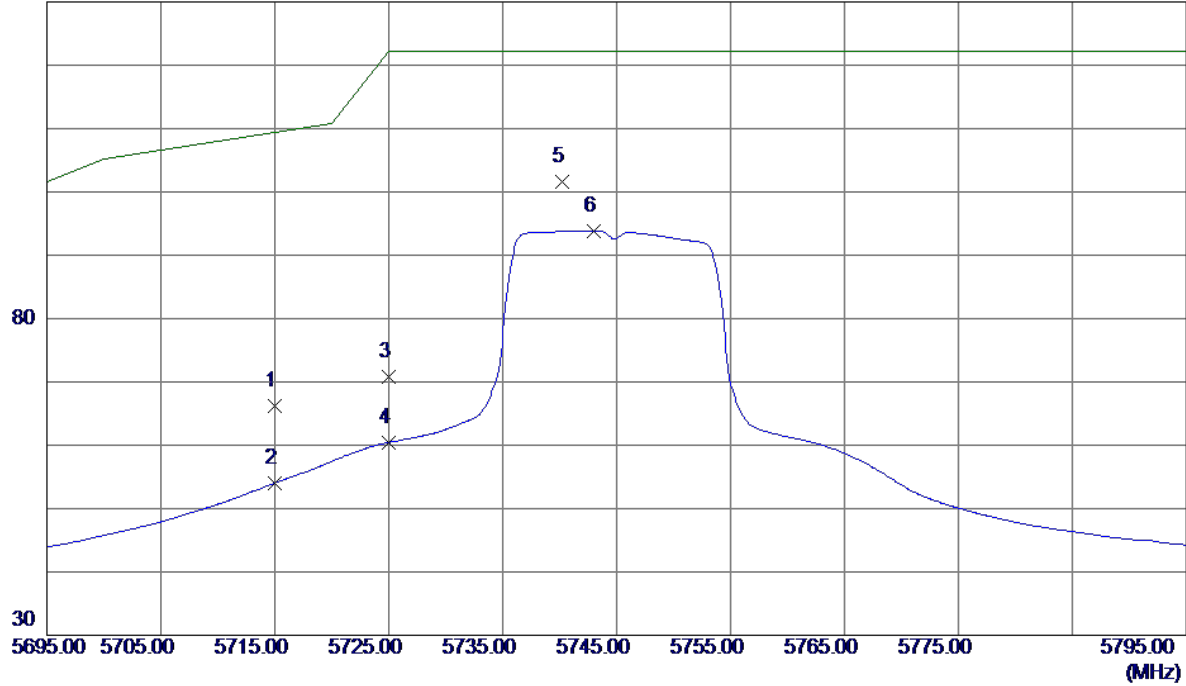


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3829.7200	46.08	2.39	48.47	68.30	-19.83	Peak	
2 *	3829.8850	42.57	2.39	44.96	54.00	-9.04	AVG	

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

Horizontal

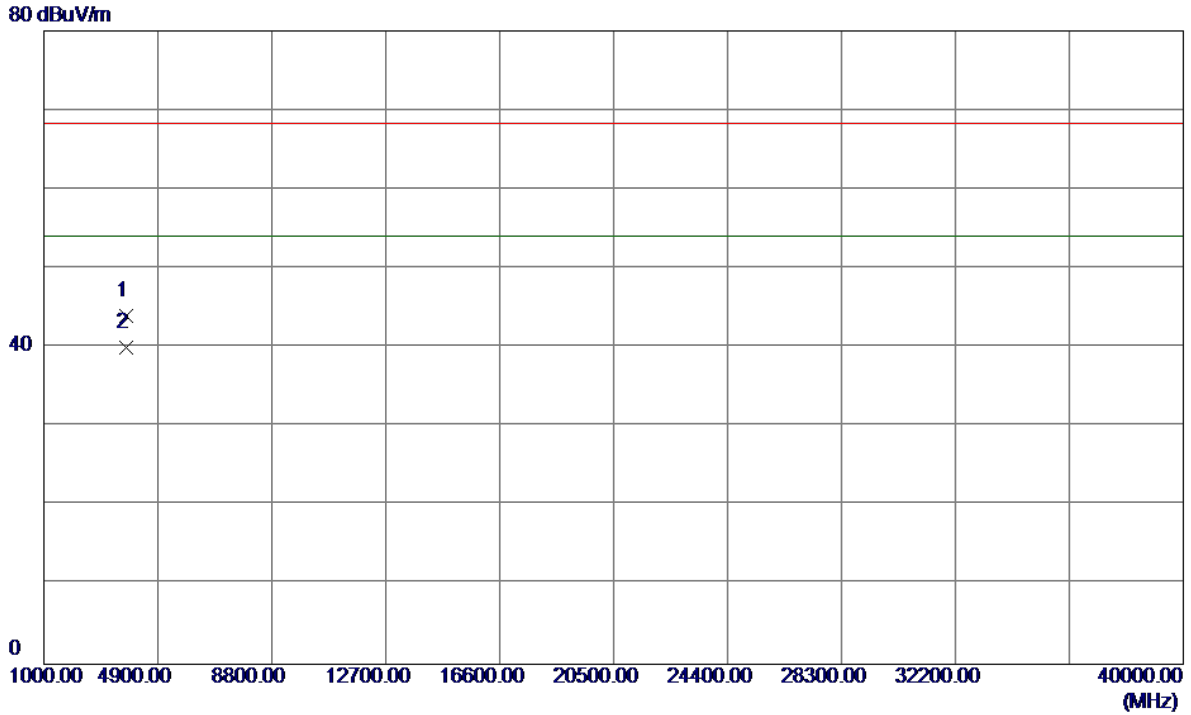
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	23.67	42.55	66.22	109.40	-43.18	Peak	
2	5715.0000	11.54	42.55	54.09	109.40	-55.31	AVG	
3	5725.0000	28.22	42.58	70.80	122.20	-51.40	Peak	
4	5725.0000	17.88	42.58	60.46	122.20	-61.74	AVG	
5 *	5740.2000	59.05	42.63	101.68	122.20	-20.52	Peak	No Limit
6	5743.0000	51.24	42.64	93.88	122.20	-28.32	AVG	No Limit

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

Horizontal

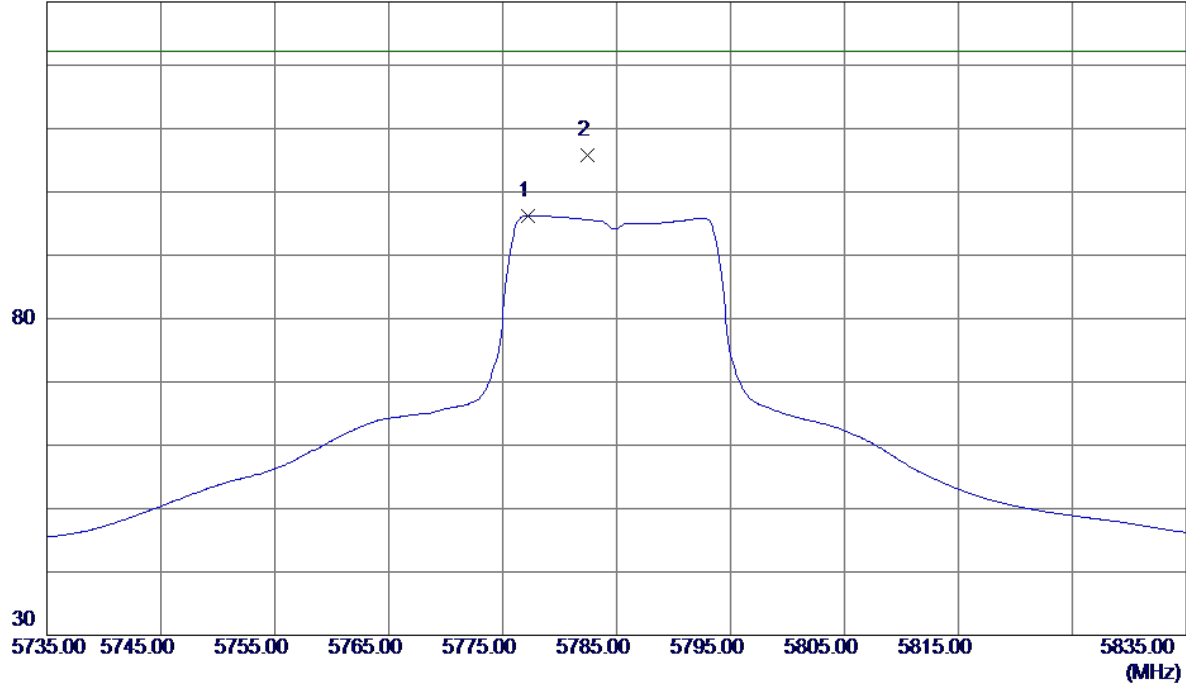


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3829.8070	41.62	2.39	44.01	68.30	-24.29	Peak	
2 *	3829.8350	37.68	2.39	40.07	54.00	-13.93	AVG	

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

Vertical

130 dBuV/m

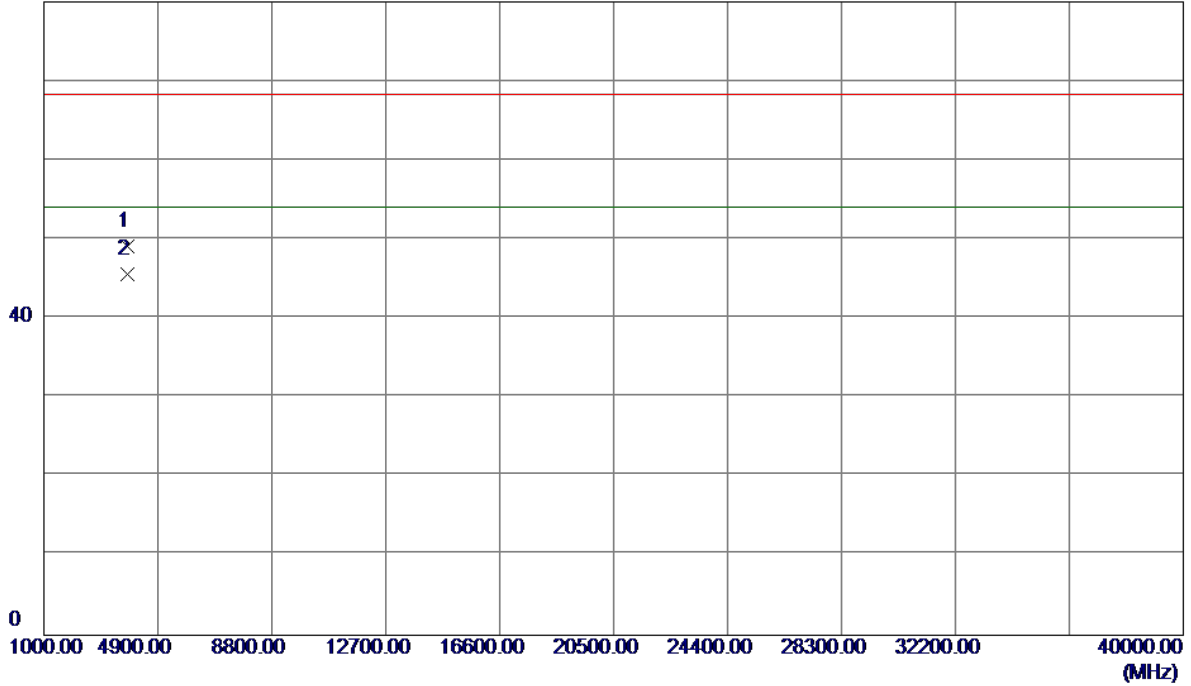


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5777.2500	53.49	42.77	96.26	122.20	-25.94	AVG	No Limit
2 *	5782.4000	63.05	42.79	105.84	122.20	-16.36	Peak	No Limit

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

Vertical

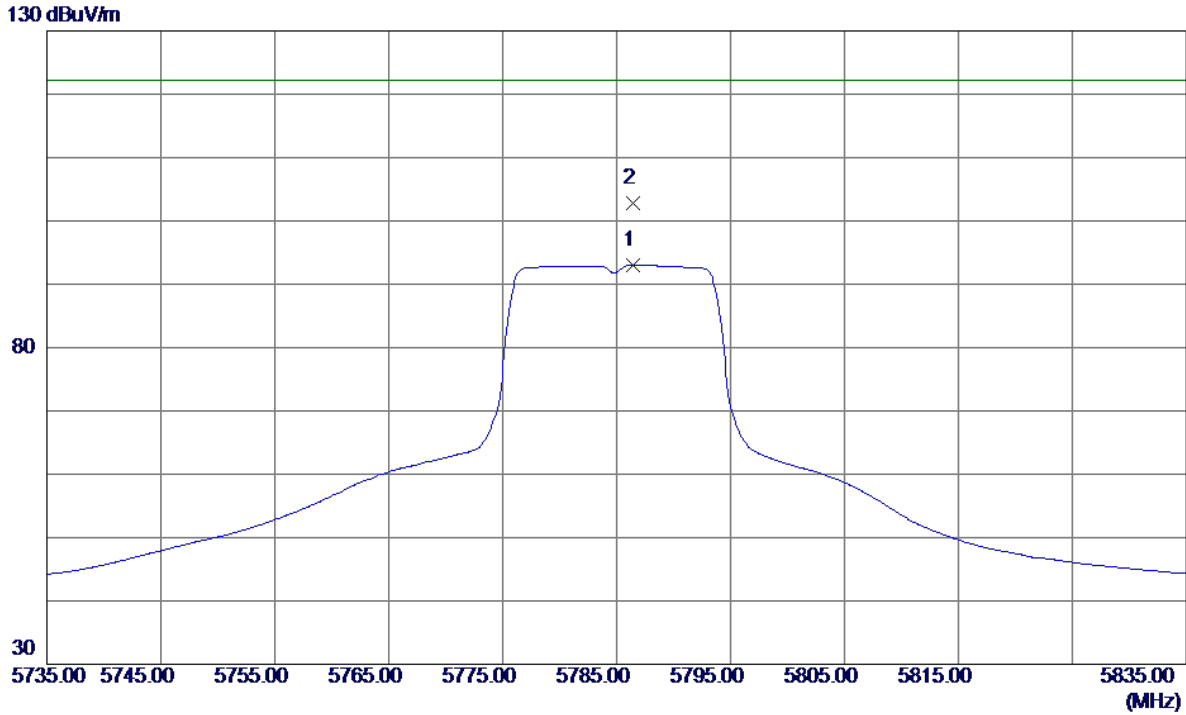
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3856.3650	46.62	2.48	49.10	68.30	-19.20	Peak	
2 *	3856.5050	43.17	2.48	45.65	54.00	-8.35	AVG	

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

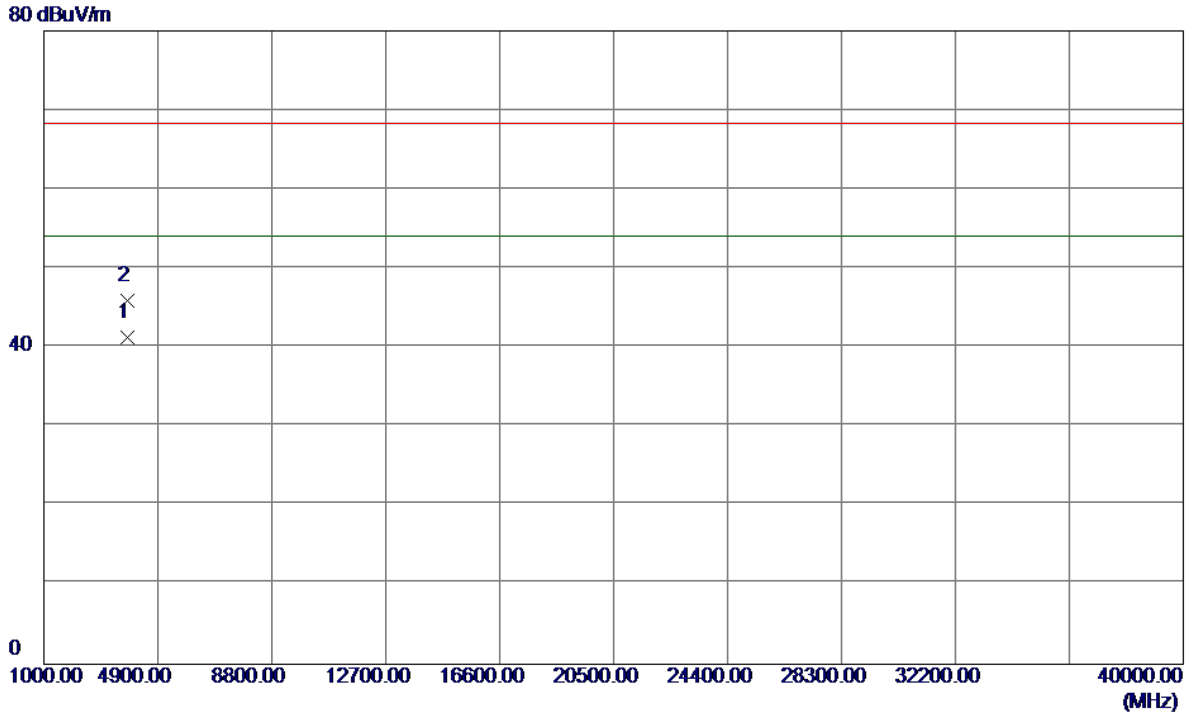
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5786.4000	50.20	42.80	93.00	122.20	-29.20	AVG	No Limit
2 *	5786.4500	60.03	42.80	102.83	122.20	-19.37	Peak	No Limit

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

Horizontal

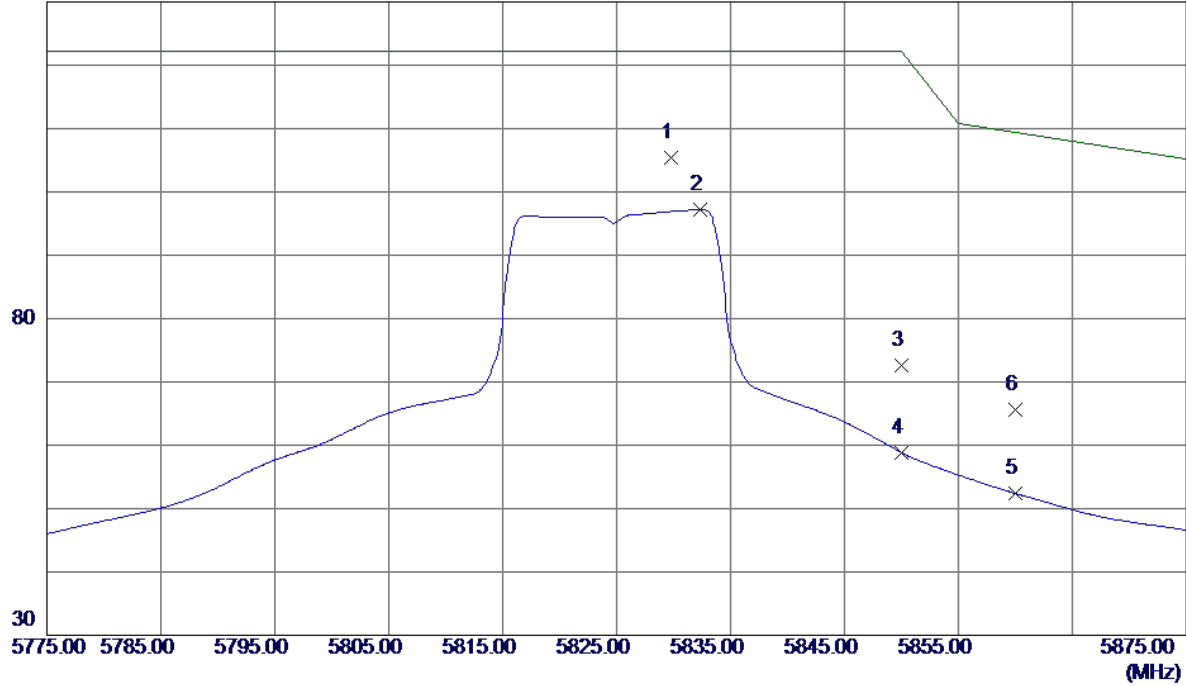


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3856.4900	38.77	2.48	41.25	54.00	-12.75	AVG	
2	3856.4970	43.36	2.48	45.84	68.30	-22.46	Peak	

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

Vertical

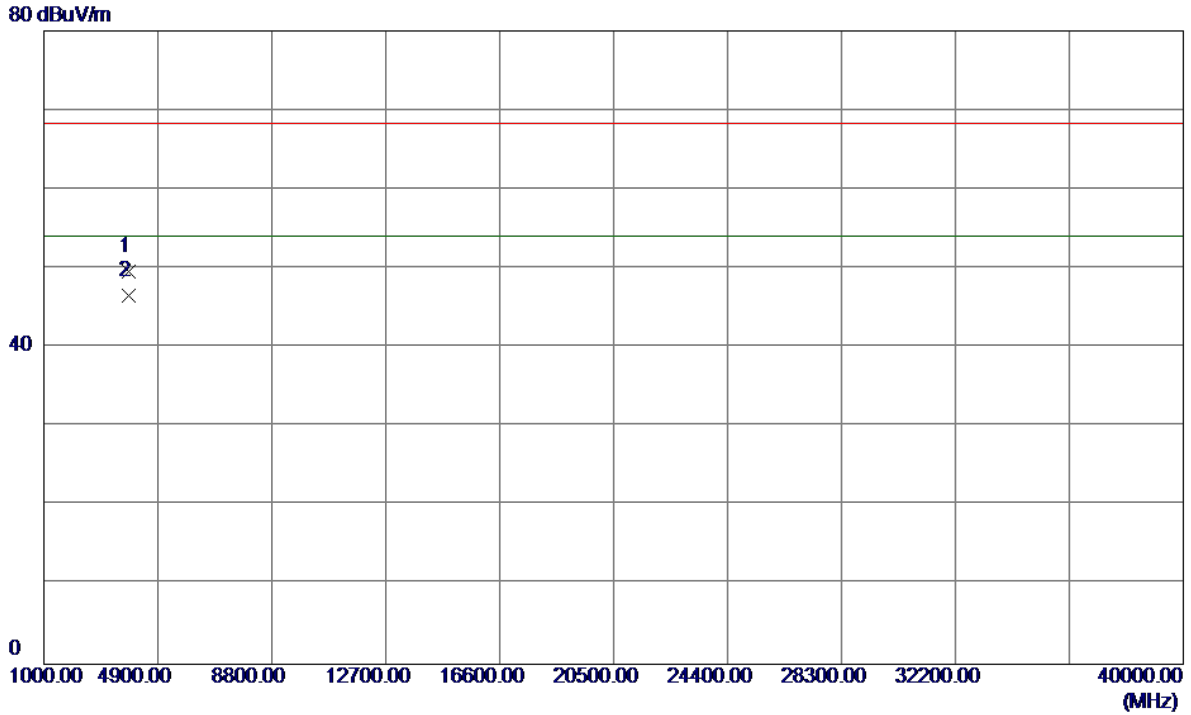
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5829.8000	62.40	42.95	105.35	122.20	-16.85	Peak	No Limit
2	5832.3000	54.27	42.96	97.23	122.20	-24.97	AVG	No Limit
3	5850.0000	29.62	43.03	72.65	122.20	-49.55	Peak	
4	5850.0000	15.81	43.03	58.84	122.20	-63.36	AVG	
5	5860.0000	9.31	43.06	52.37	109.40	-57.03	AVG	
6	5860.0000	22.53	43.06	65.59	109.40	-43.81	Peak	

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

Vertical

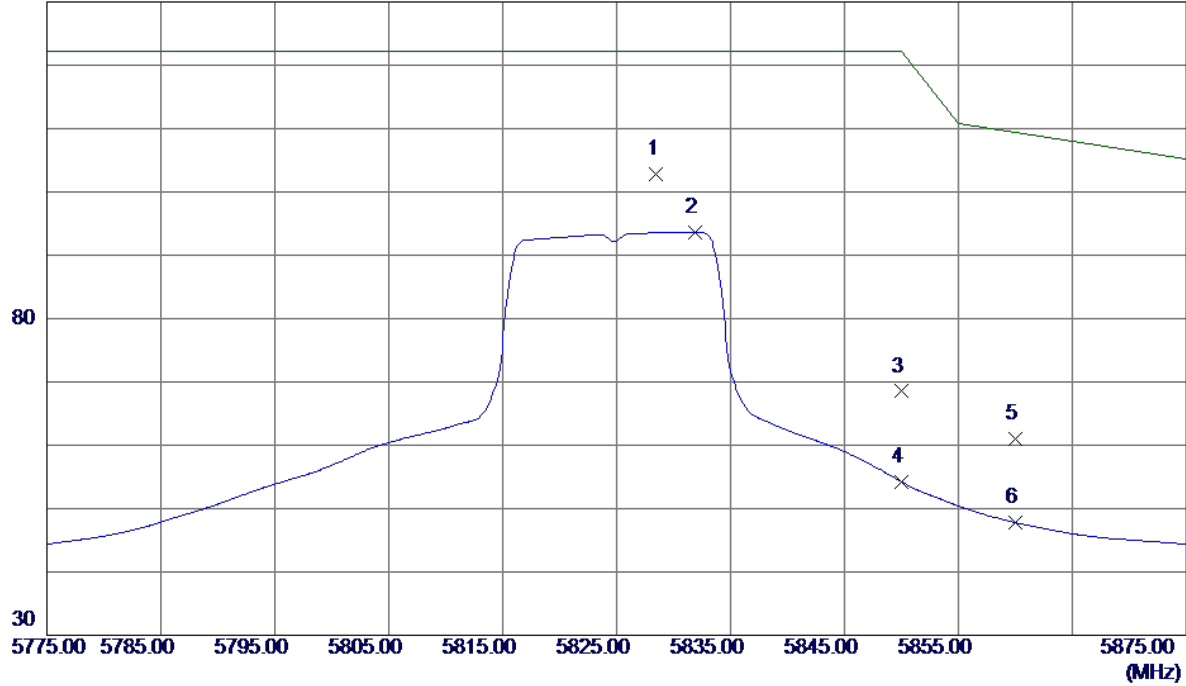


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3883.1050	47.02	2.57	49.59	68.30	-18.71	Peak	
2 *	3883.1620	44.04	2.57	46.61	54.00	-7.39	AVG	

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

Horizontal

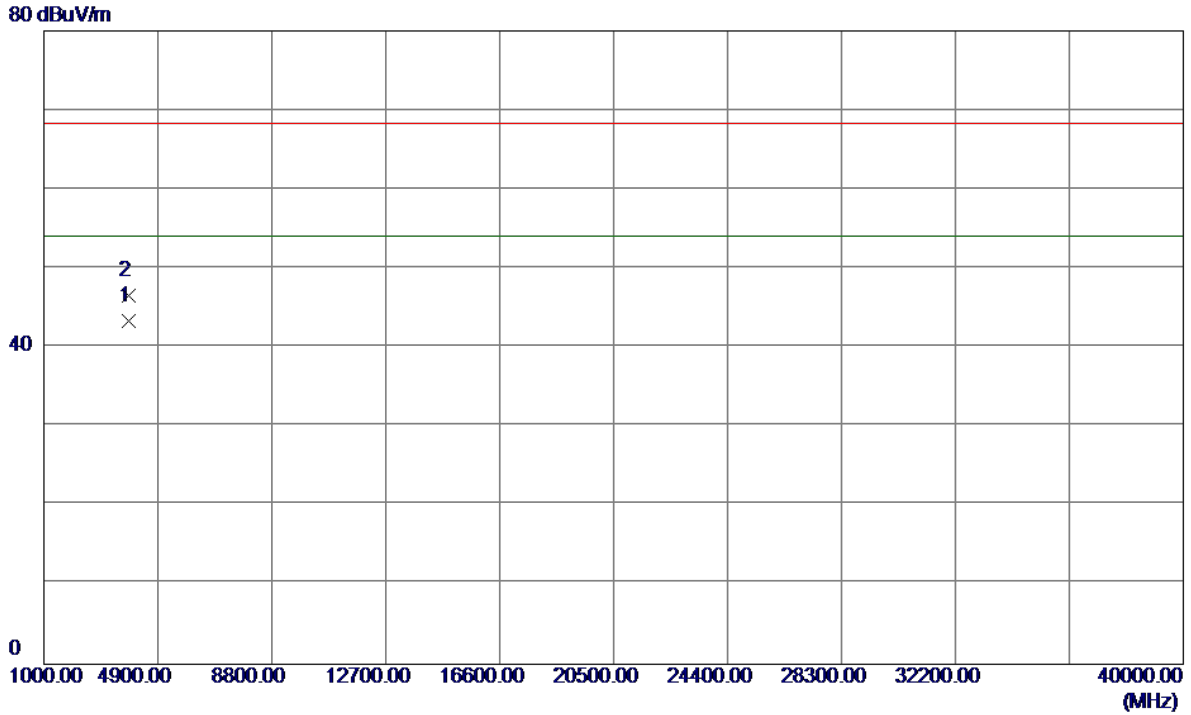
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5828.5000	59.91	42.95	102.86	122.20	-19.34	Peak	No Limit
2	5831.9000	50.67	42.96	93.63	122.20	-28.57	AVG	No Limit
3	5850.0000	25.47	43.03	68.50	122.20	-53.70	Peak	
4	5850.0000	11.17	43.03	54.20	122.20	-68.00	AVG	
5	5860.0000	17.89	43.06	60.95	109.40	-48.45	Peak	
6	5860.0000	4.70	43.06	47.76	109.40	-61.64	AVG	

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

Horizontal

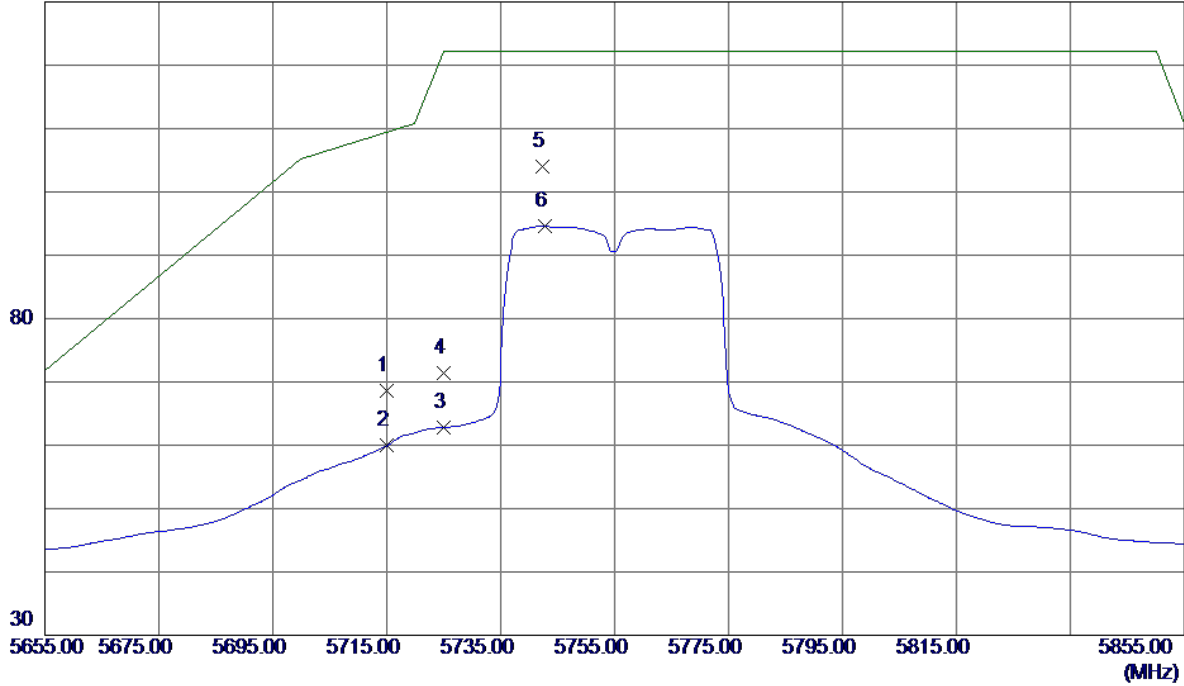


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3883.1600	40.72	2.57	43.29	54.00	-10.71	AVG	
2	3883.1770	44.00	2.57	46.57	68.30	-21.73	Peak	

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

Vertical

130 dBuV/m

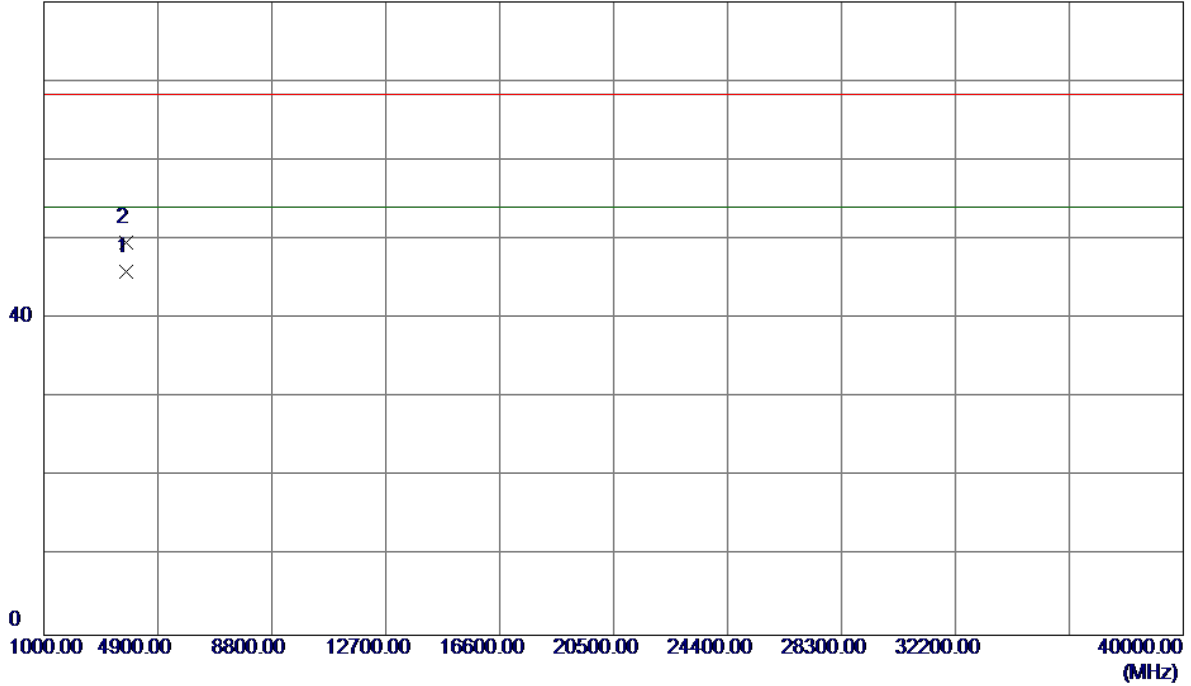


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	26.11	42.55	68.66	109.40	-40.74	Peak	
2	5715.0000	17.42	42.55	59.97	109.40	-49.43	AVG	
3	5725.0000	20.23	42.58	62.81	122.20	-59.39	Peak	
4	5725.0000	28.89	42.58	71.47	122.20	-50.73	Peak	
5 *	5742.3000	61.39	42.64	104.03	122.20	-18.17	Peak	No Limit
6	5742.8000	51.91	42.64	94.55	122.20	-27.65	AVG	No Limit

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

Vertical

80 dBuV/m

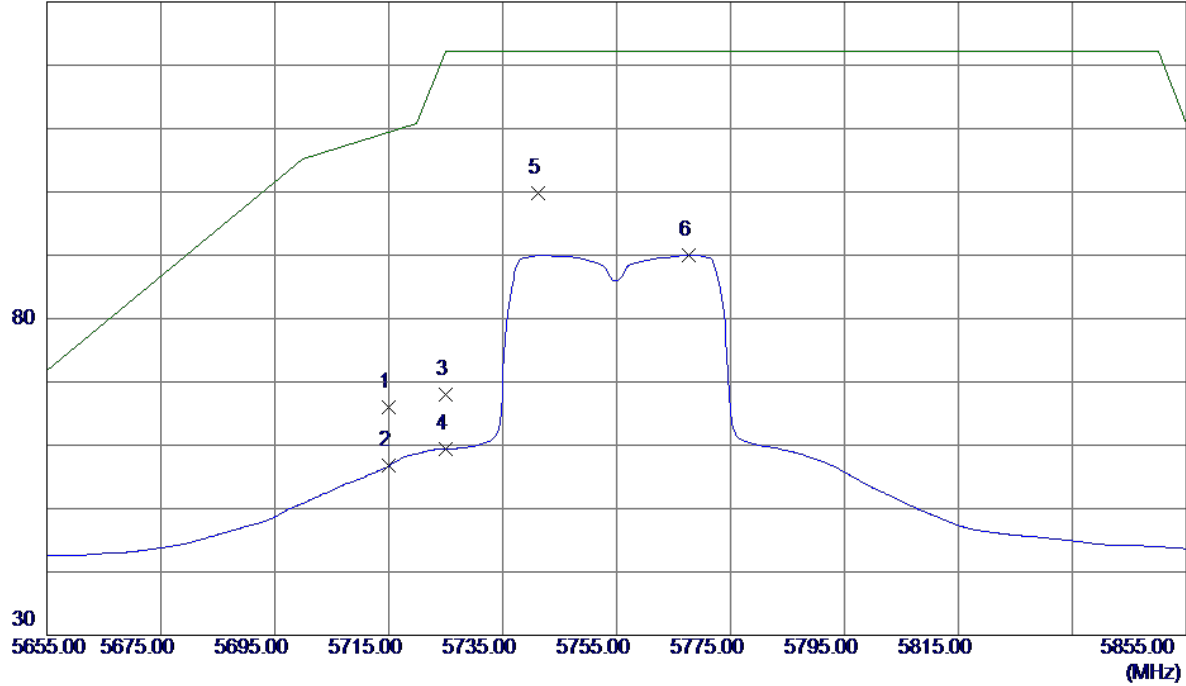


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3836.5300	43.51	2.42	45.93	54.00	-8.07	AVG	
2	3836.6020	47.11	2.42	49.53	68.30	-18.77	Peak	

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

Horizontal

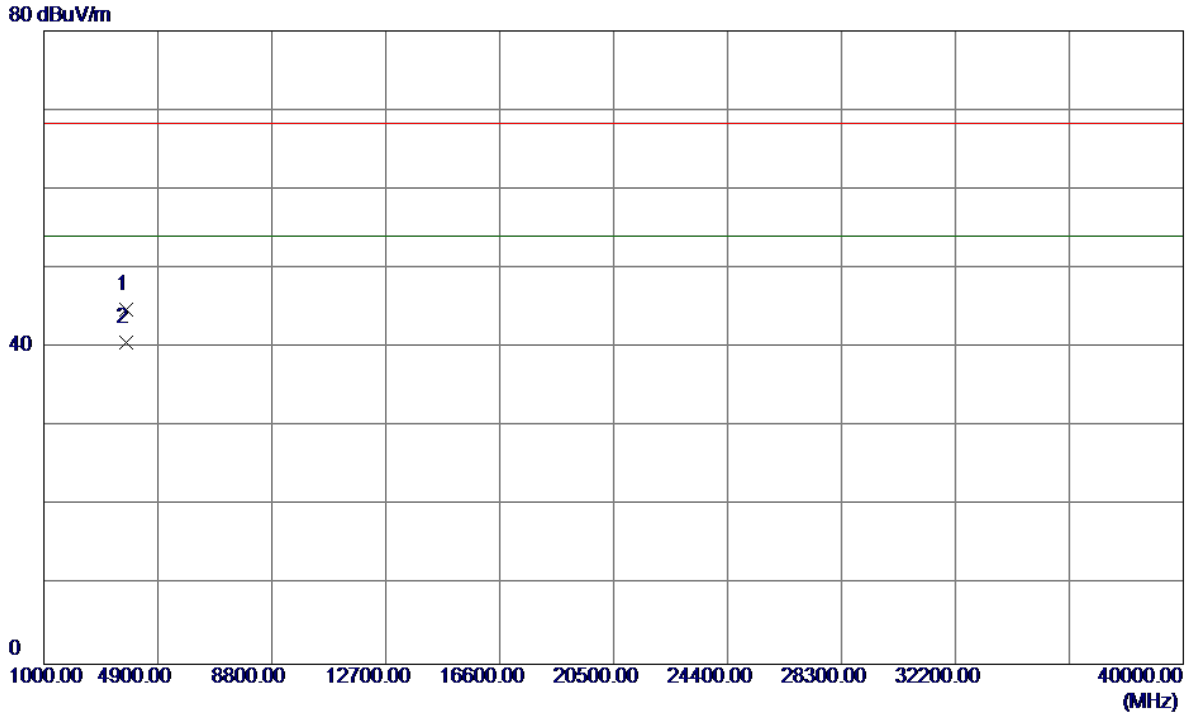
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	23.54	42.55	66.09	109.40	-43.31	Peak	
2	5715.0000	14.21	42.55	56.76	109.40	-52.64	AVG	
3	5725.0000	25.49	42.58	68.07	122.20	-54.13	Peak	
4	5725.0000	16.85	42.58	59.43	122.20	-62.77	AVG	
5 *	5741.2000	57.20	42.64	99.84	122.20	-22.36	Peak	No Limit
6	5767.6000	47.34	42.73	90.07	122.20	-32.13	AVG	No Limit

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

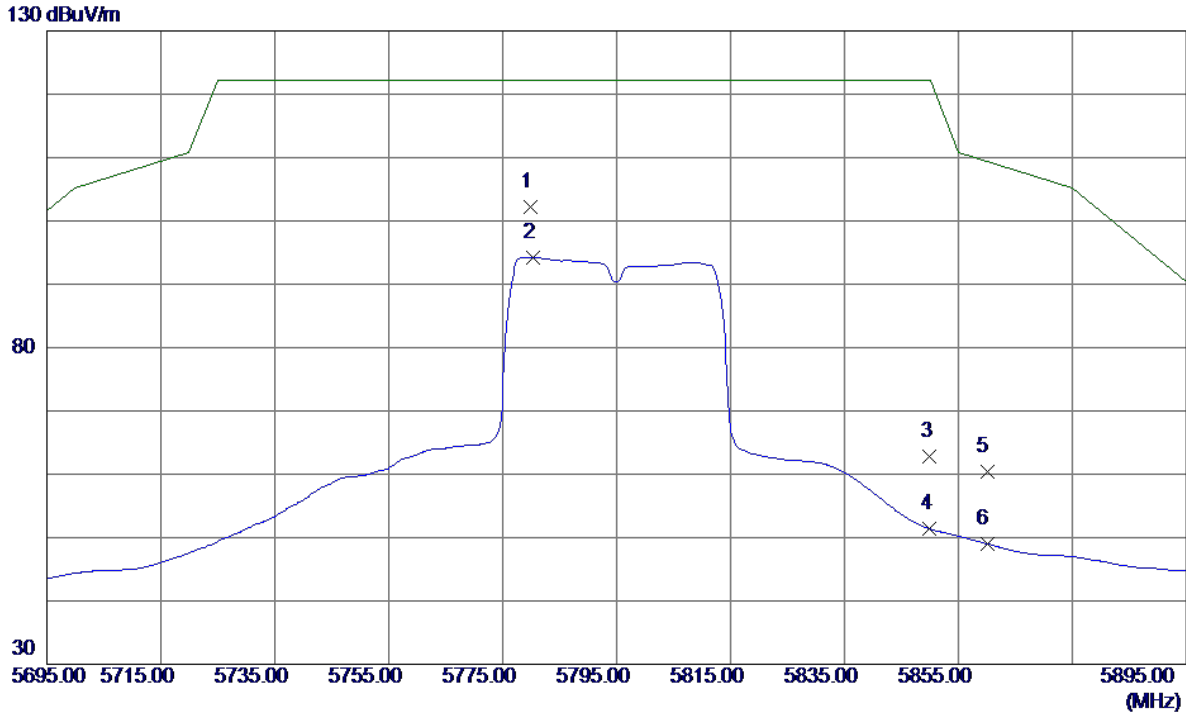
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3836.3920	42.40	2.41	44.81	68.30	-23.49	Peak	
2 *	3836.5680	38.27	2.42	40.69	54.00	-13.31	AVG	

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

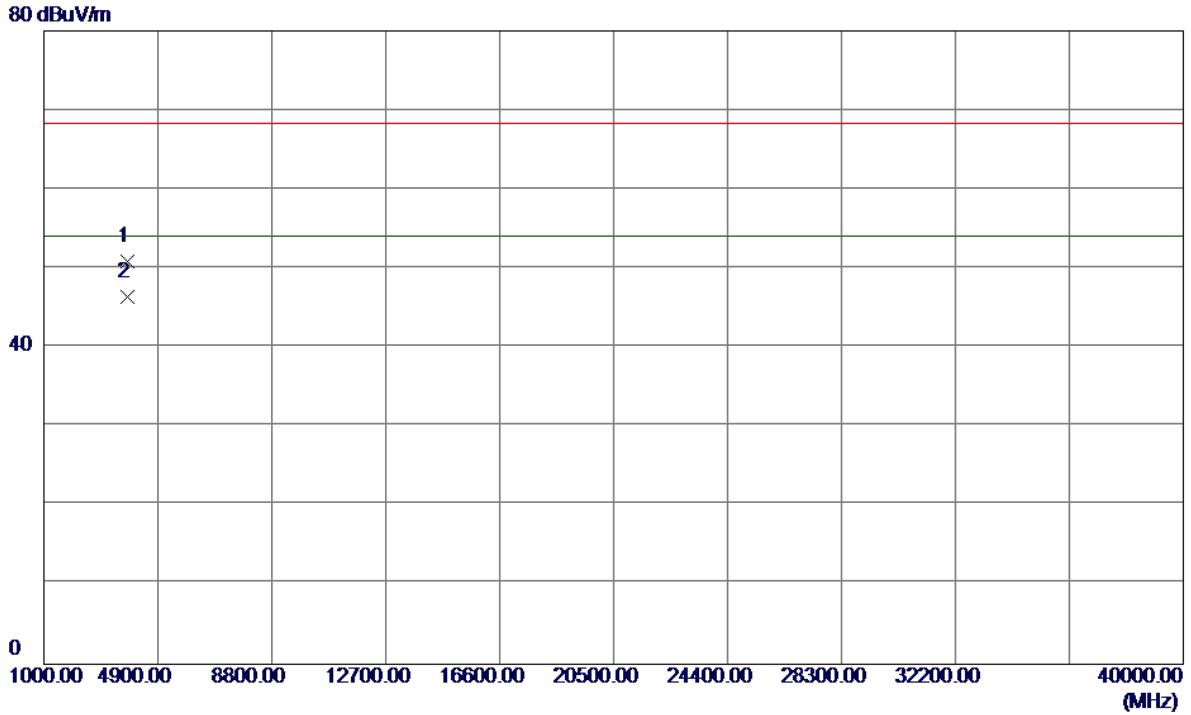
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5779.9000	59.44	42.78	102.22	122.20	-19.98	Peak	No Limit
2	5780.3000	51.41	42.78	94.19	122.20	-28.01	AVG	No Limit
3	5850.0000	19.70	43.03	62.73	122.20	-59.47	Peak	
4	5850.0000	8.30	43.03	51.33	122.20	-70.87	AVG	
5	5860.0000	17.28	43.06	60.34	109.40	-49.06	Peak	
6	5860.0000	5.98	43.06	49.04	109.40	-60.36	AVG	

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

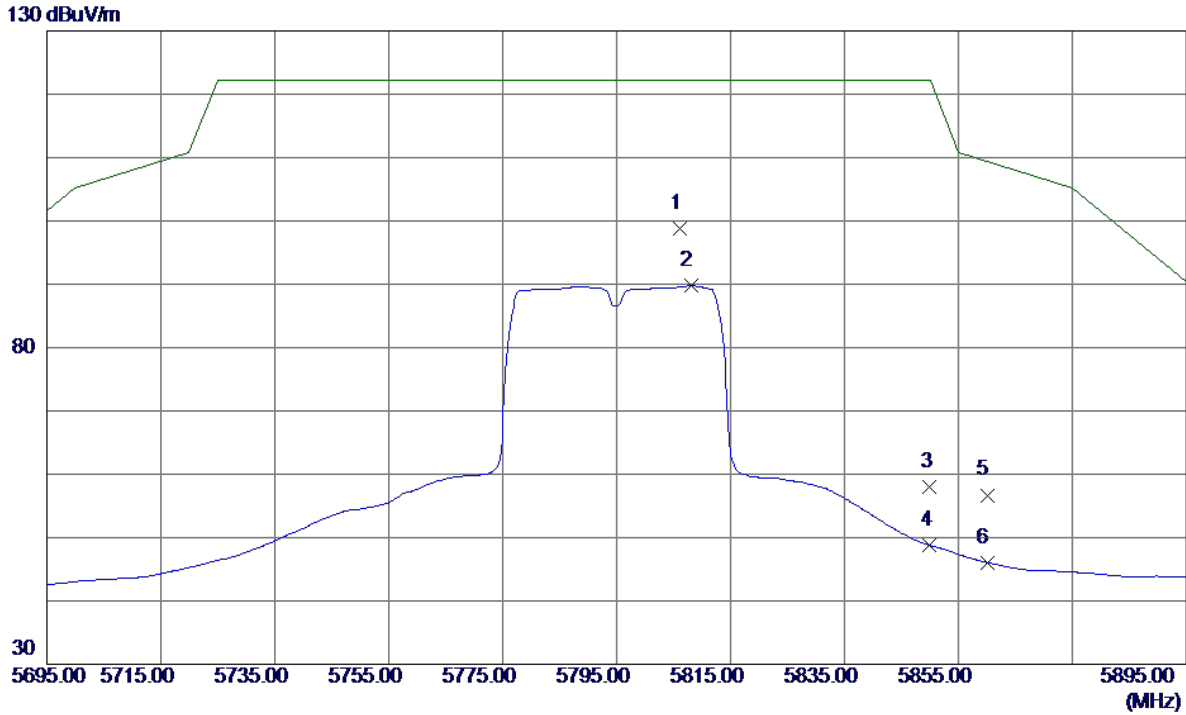
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3863.1730	48.38	2.50	50.88	68.30	-17.42	Peak	
2 *	3863.2050	43.83	2.50	46.33	54.00	-7.67	AVG	

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

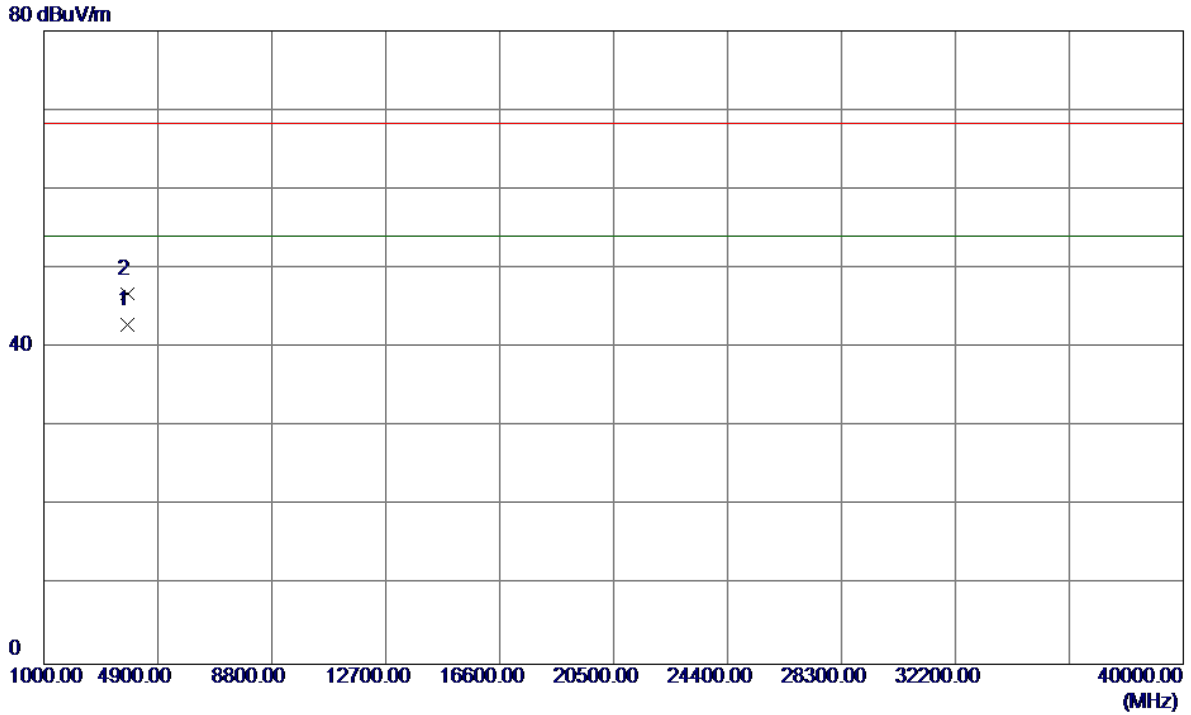
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5806.2000	55.98	42.87	98.85	122.20	-23.35	Peak	No Limit
2	5808.0000	46.84	42.88	89.72	122.20	-32.48	AVG	No Limit
3	5850.0000	15.01	43.03	58.04	122.20	-64.16	Peak	
4	5850.0000	5.74	43.03	48.77	122.20	-73.43	AVG	
5	5860.0000	13.64	43.06	56.70	109.40	-52.70	Peak	
6	5860.0000	3.03	43.06	46.09	109.40	-63.31	AVG	

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

Horizontal

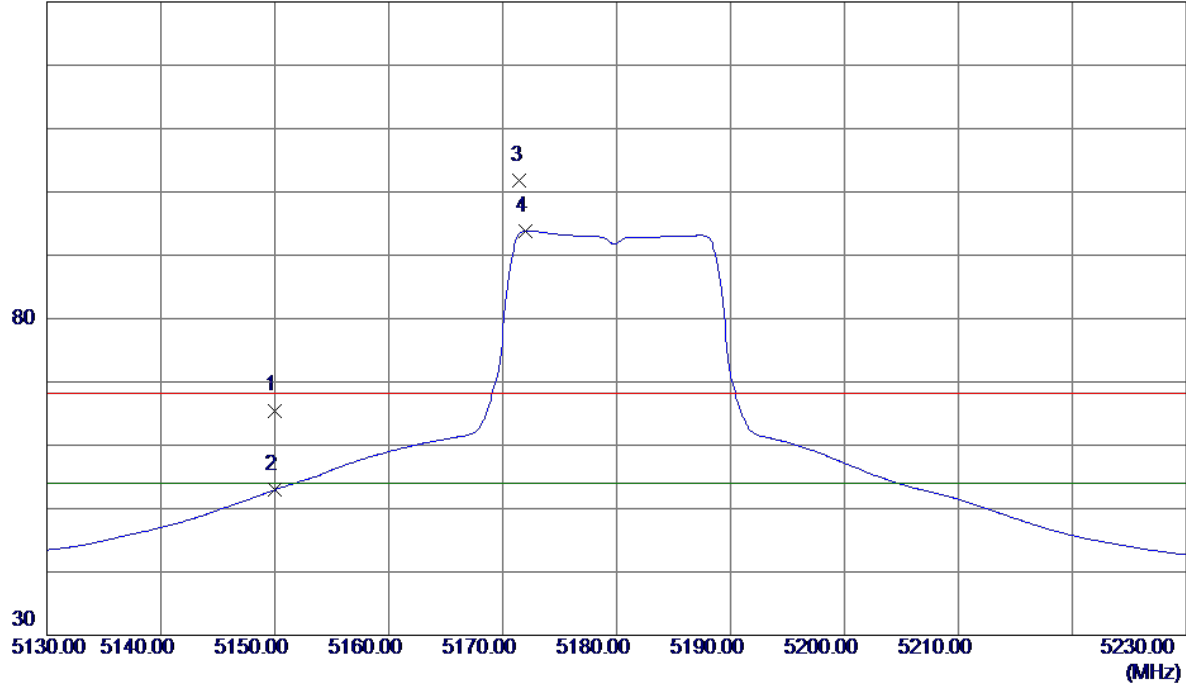


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3863.1680	40.38	2.50	42.88	54.00	-11.12	AVG	
2	3863.2420	44.30	2.50	46.80	68.30	-21.50	Peak	

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

Vertical

130 dBuV/m

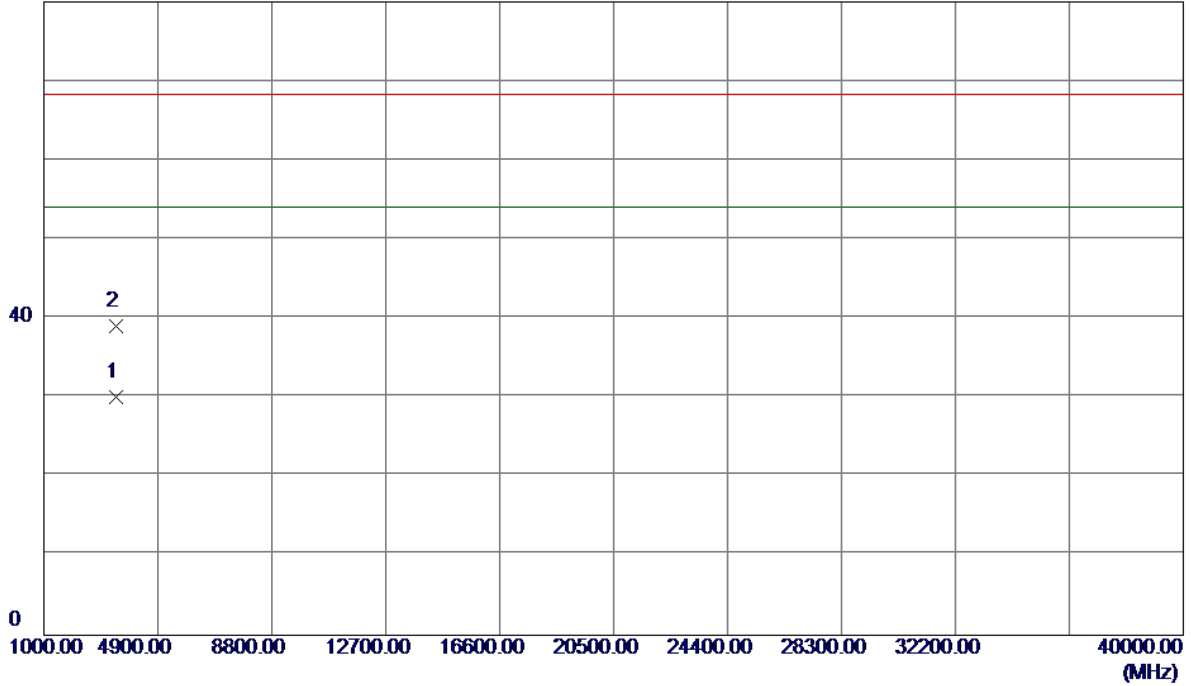


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	24.88	40.62	65.50	68.30	-2.80	Peak	
2	5150.0000	12.35	40.62	52.97	54.00	-1.03	AVG	
3	5171.5000	61.12	40.70	101.82	68.30	33.52	Peak	No Limit
4 *	5172.0000	53.16	40.70	93.86	54.00	39.86	AVG	No Limit

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

Vertical

80 dBuV/m

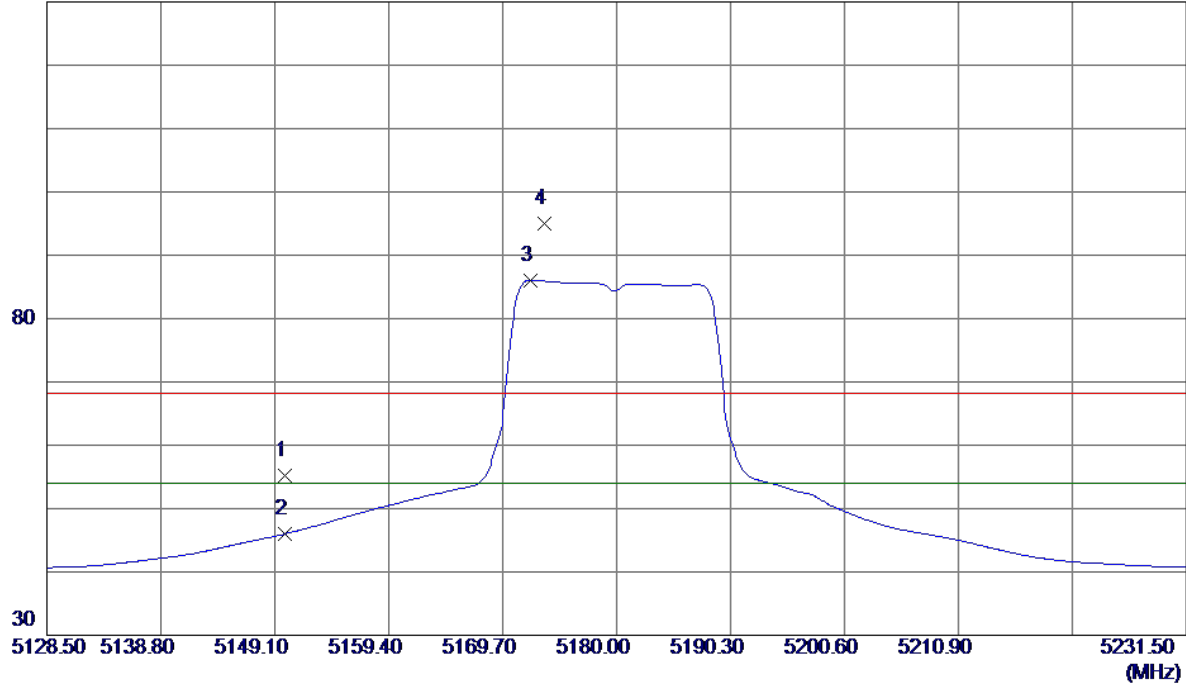


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3453.1350	28.70	1.34	30.04	54.00	-23.96	AVG	
2	3453.3130	37.69	1.34	39.03	68.30	-29.27	Peak	

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

Horizontal

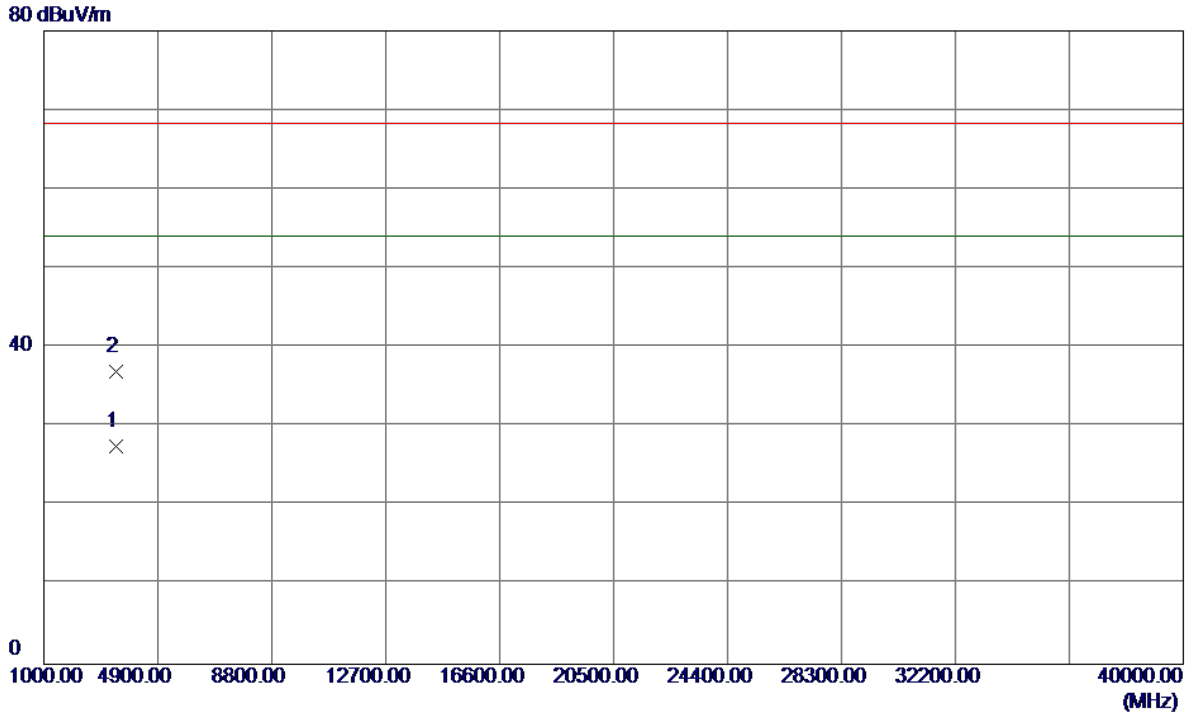
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	14.50	40.62	55.12	68.30	-13.18	Peak	
2	5150.0000	5.40	40.62	46.02	54.00	-7.98	AVG	
3 *	5172.2750	45.32	40.70	86.02	54.00	32.02	AVG	No Limit
4	5173.4590	54.30	40.70	95.00	68.30	26.70	Peak	No Limit

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

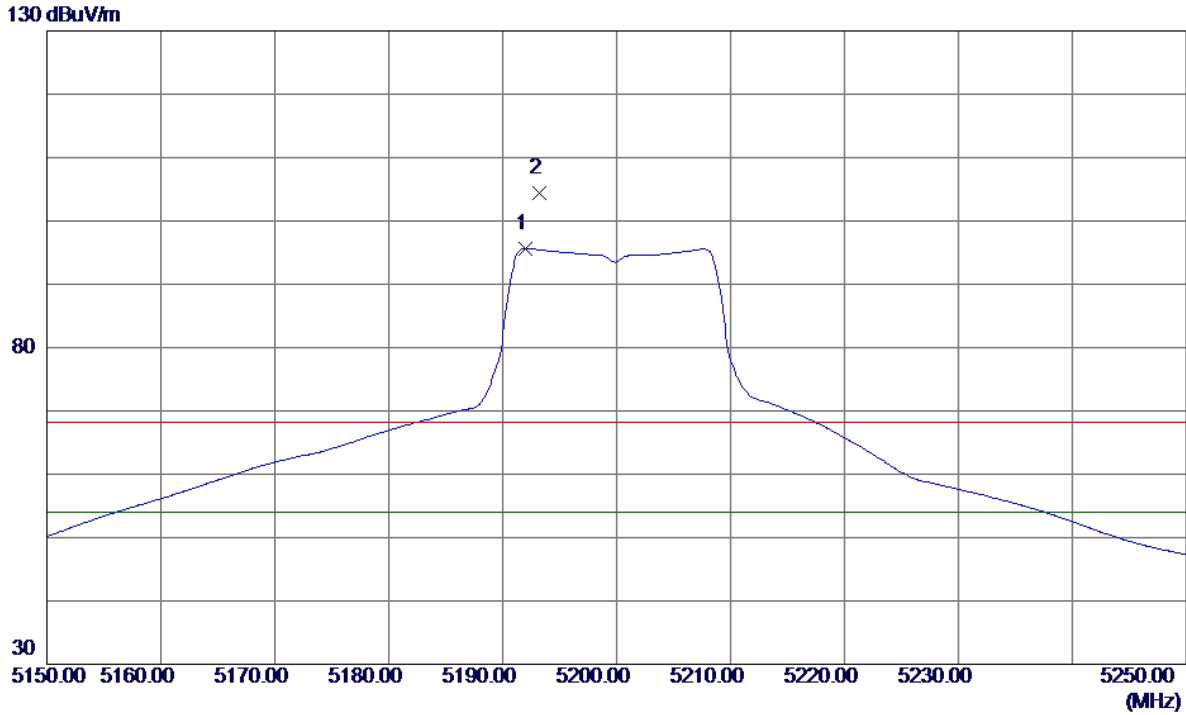
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3453.3670	26.25	1.34	27.59	54.00	-26.41	AVG	
2	3453.4950	35.57	1.34	36.91	68.30	-31.39	Peak	

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

Vertical

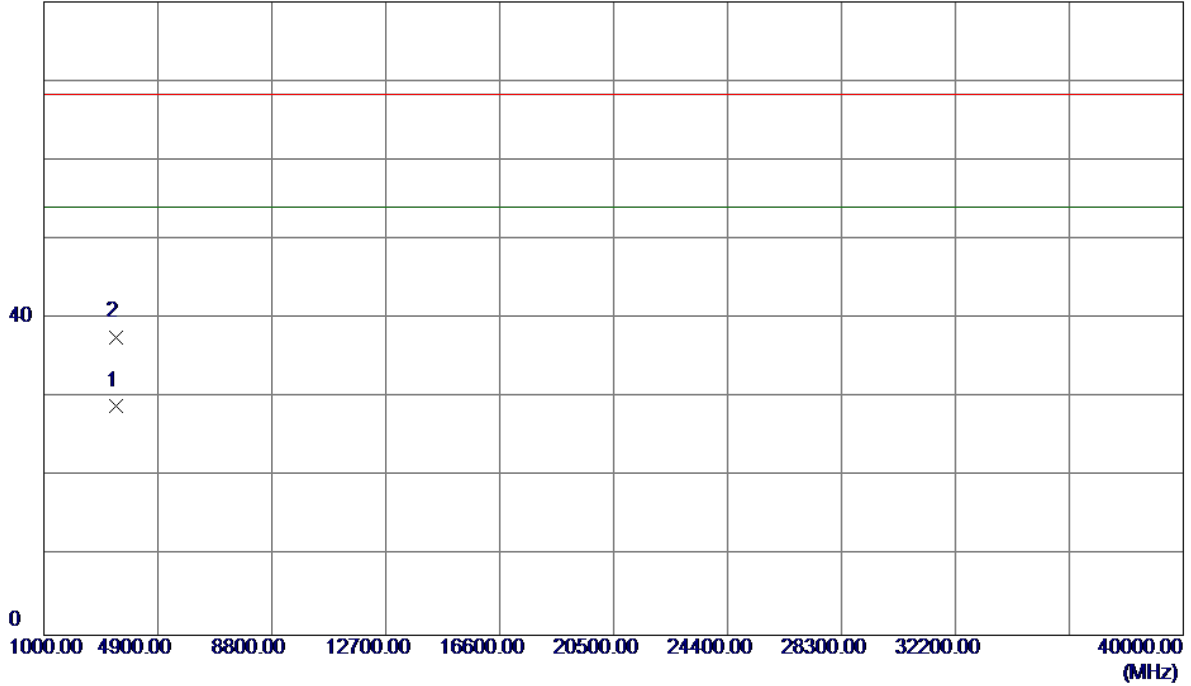


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5192.0000	54.93	40.76	95.69	54.00	41.69	AVG	No Limit
2	5193.2000	63.72	40.77	104.49	68.30	36.19	Peak	No Limit

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

Vertical

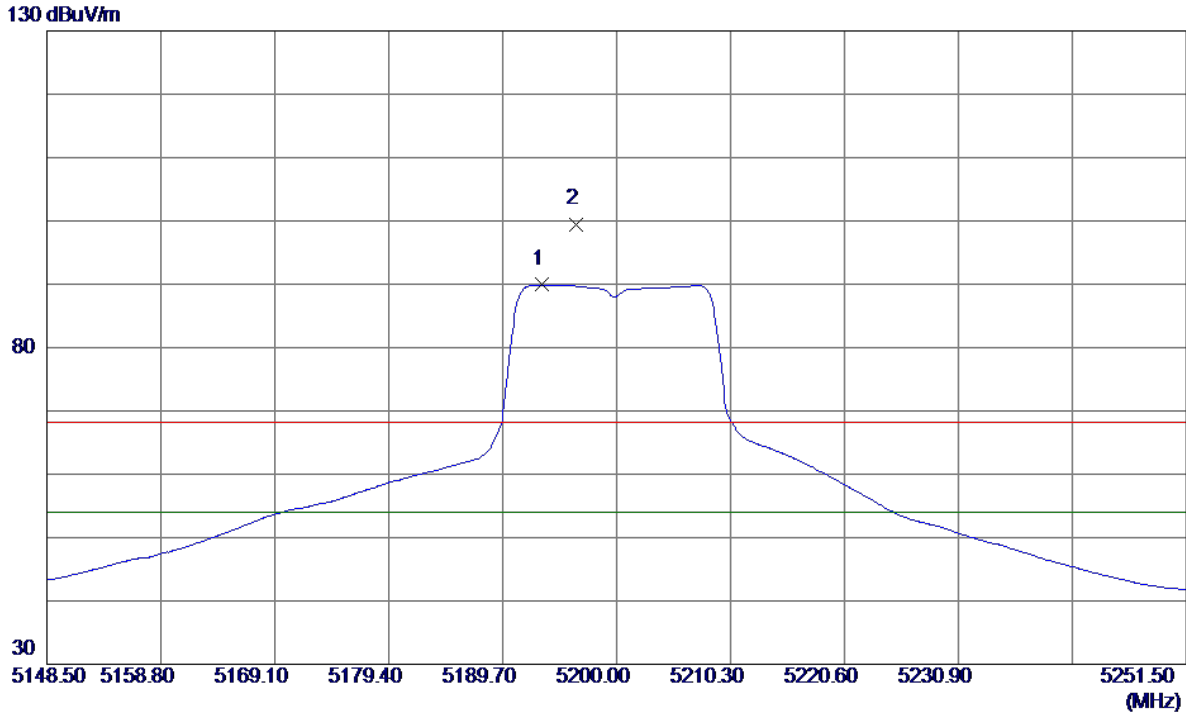
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3466.4570	27.56	1.33	28.89	54.00	-25.11	AVG	
2	3466.5350	36.35	1.33	37.68	68.30	-30.62	Peak	

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

Horizontal

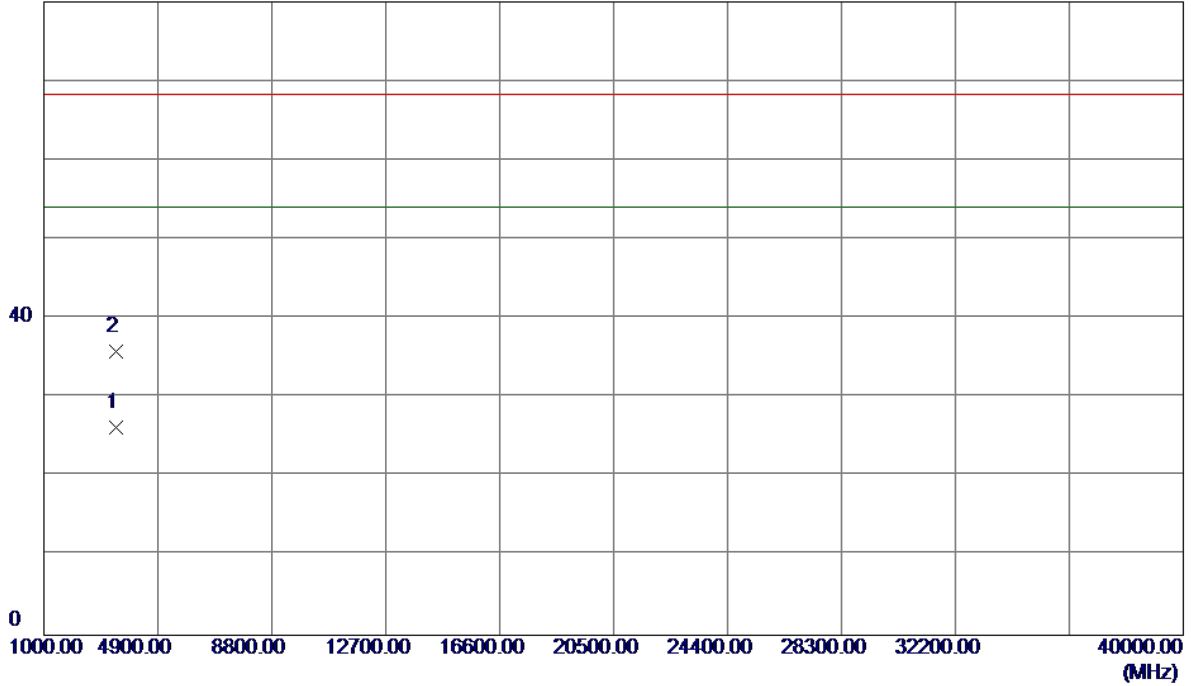


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5193.2020	49.13	40.77	89.90	54.00	35.90	AVG	No Limit
2	5196.3430	58.72	40.78	99.50	68.30	31.20	Peak	No Limit

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

Horizontal

80 dBuV/m

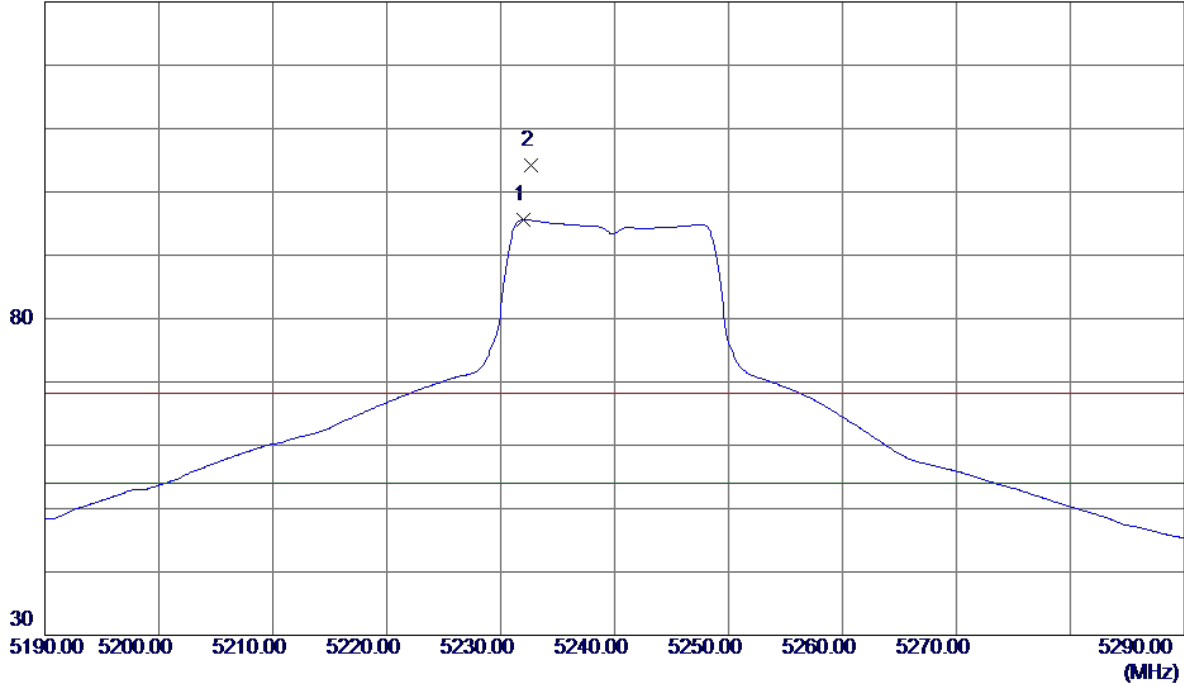


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3466.5280	24.91	1.33	26.24	54.00	-27.76	AVG	
2	3466.9700	34.56	1.33	35.89	68.30	-32.41	Peak	

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

Vertical

130 dBuV/m

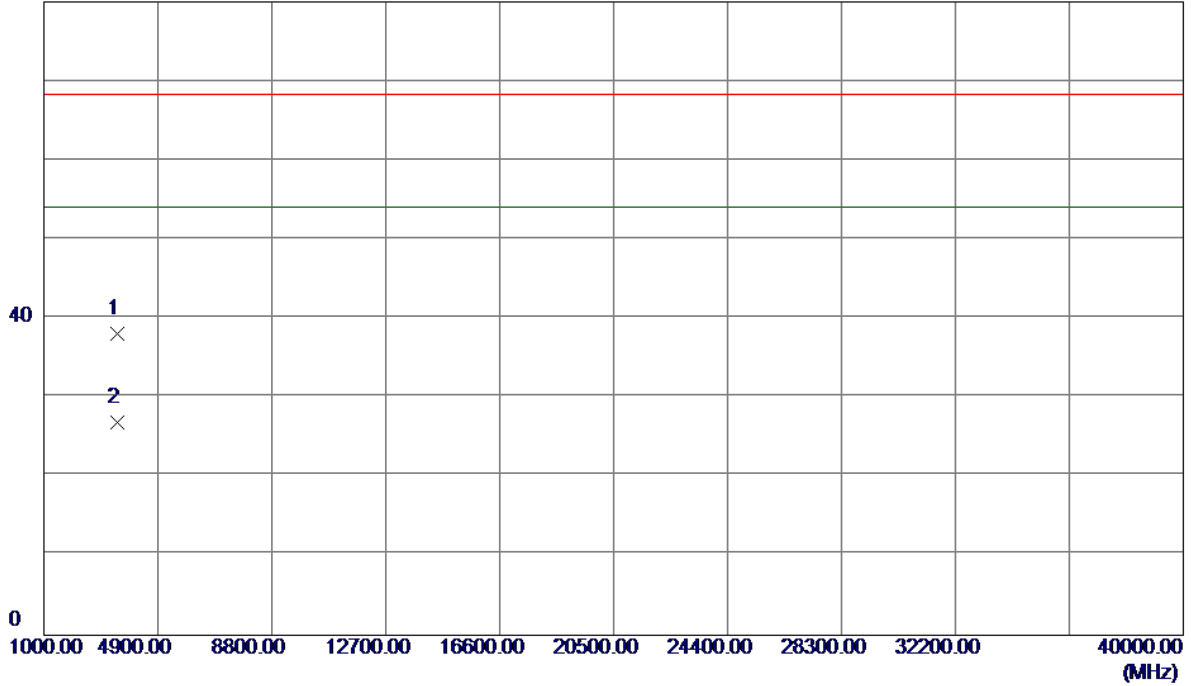


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5232.0000	54.70	40.90	95.60	54.00	41.60	AVG	No Limit
2	5232.7000	63.33	40.90	104.23	68.30	35.93	Peak	No Limit

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

Vertical

80 dBuV/m

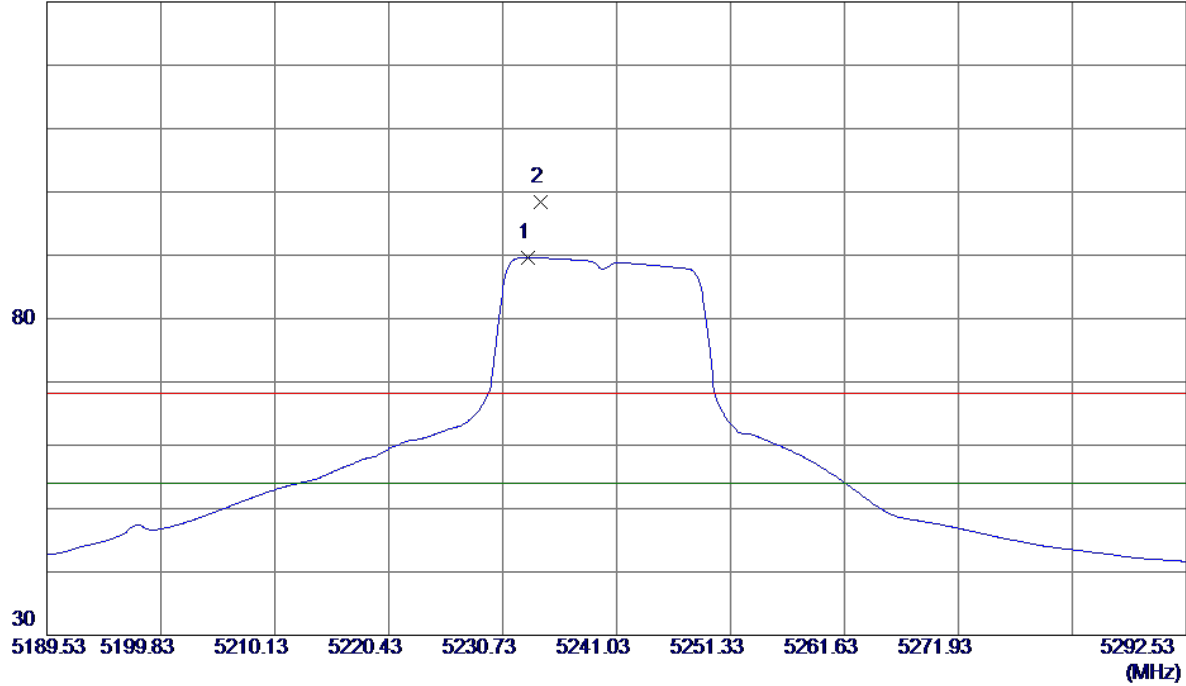


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3493.1250	36.75	1.32	38.07	68.30	-30.23	Peak	
2 *	3493.1800	25.56	1.32	26.88	54.00	-27.12	AVG	

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

Horizontal

130 dBuV/m

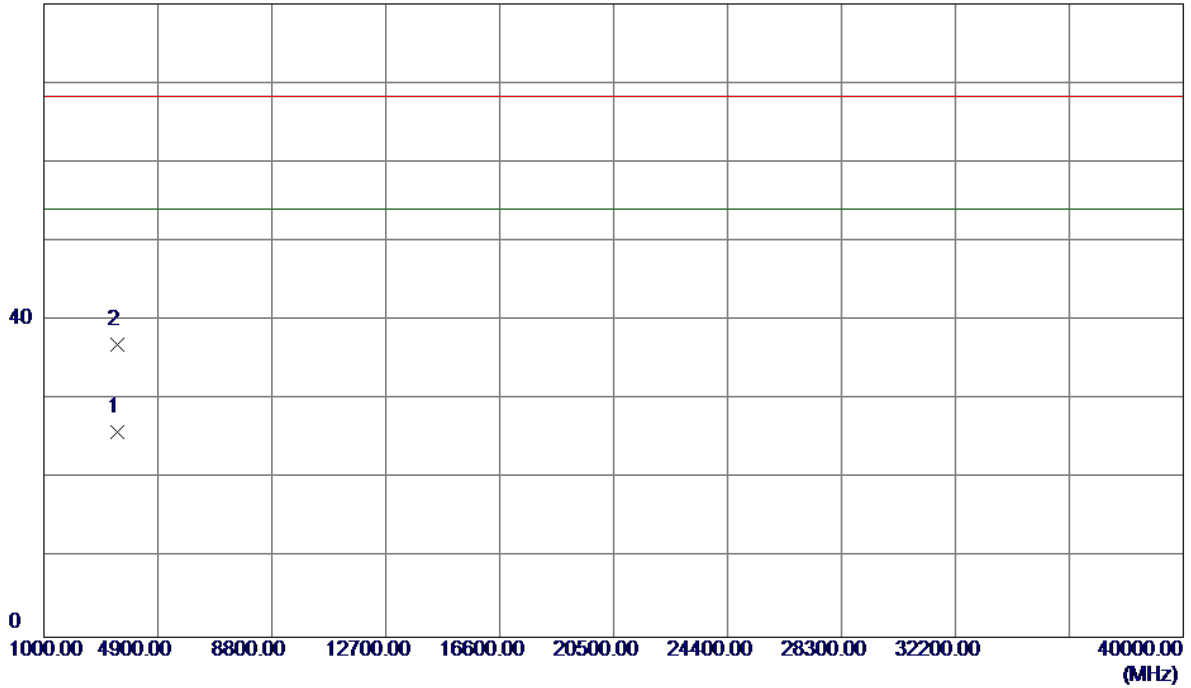


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5233.0470	48.78	40.90	89.68	54.00	35.68	AVG	No Limit
2	5234.1290	57.59	40.90	98.49	68.30	30.19	Peak	No Limit

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

Horizontal

80 dBuV/m

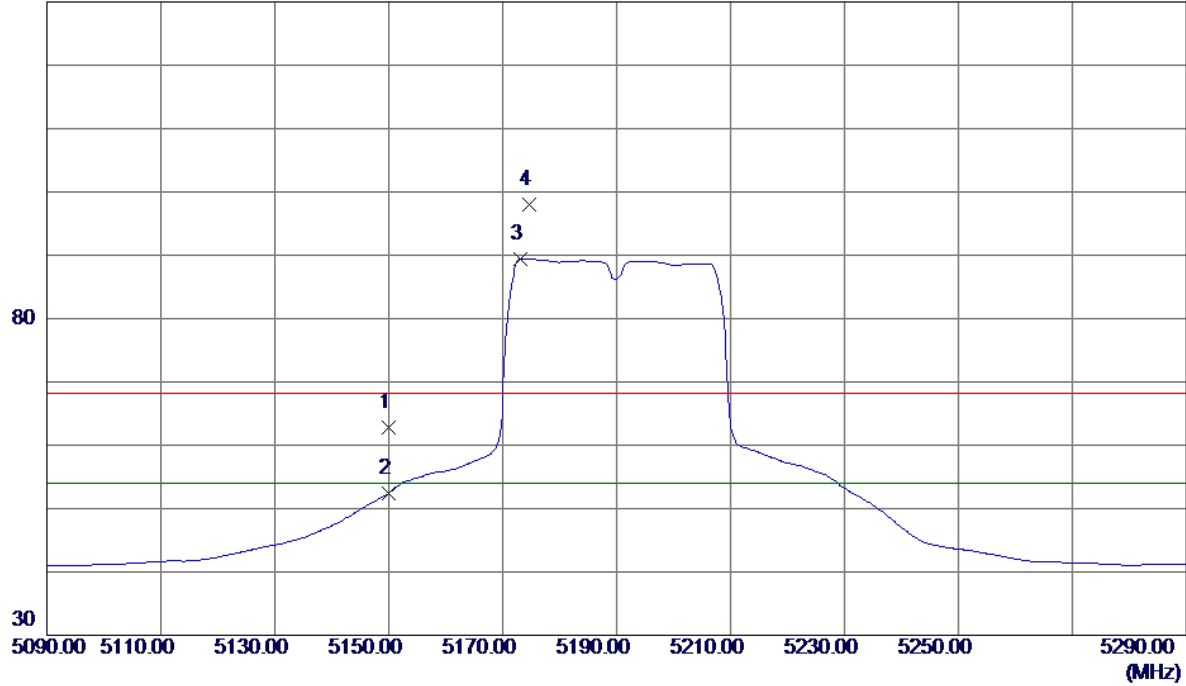


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3493.2620	24.57	1.32	25.89	54.00	-28.11	AVG	
2	3493.7120	35.61	1.32	36.93	68.30	-31.37	Peak	

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

Vertical

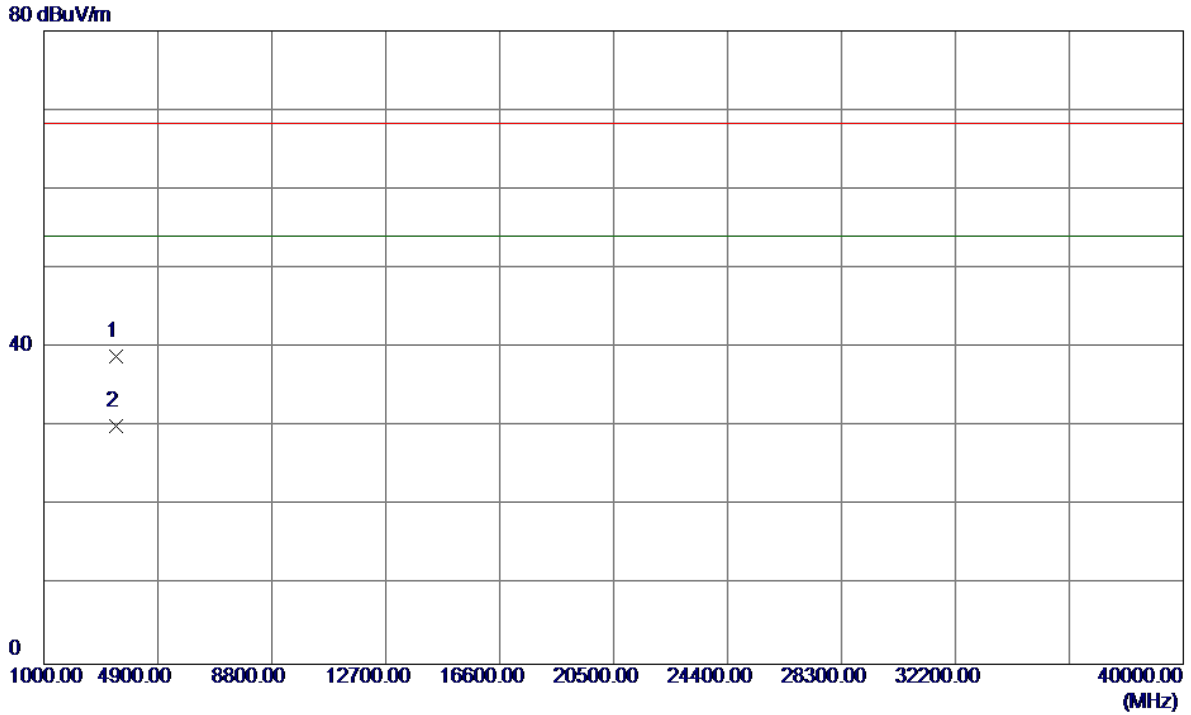
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.21	40.62	62.83	68.30	-5.47	Peak	
2	5150.0000	11.86	40.62	52.48	54.00	-1.52	AVG	
3 *	5173.2000	48.68	40.70	89.38	54.00	35.38	AVG	No Limit
4	5174.7000	57.21	40.71	97.92	68.30	29.62	Peak	No Limit

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

Vertical

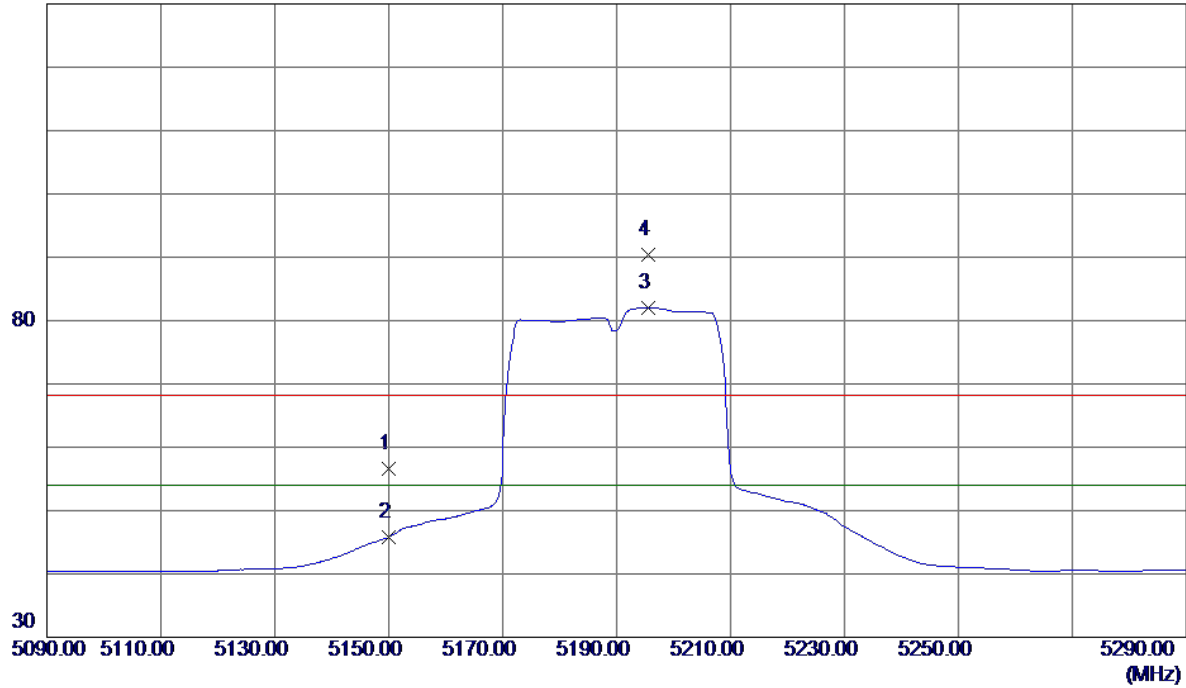


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3459.6680	37.62	1.33	38.95	68.30	-29.35	Peak	
2 *	3459.9120	28.70	1.33	30.03	54.00	-23.97	AVG	

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

Horizontal

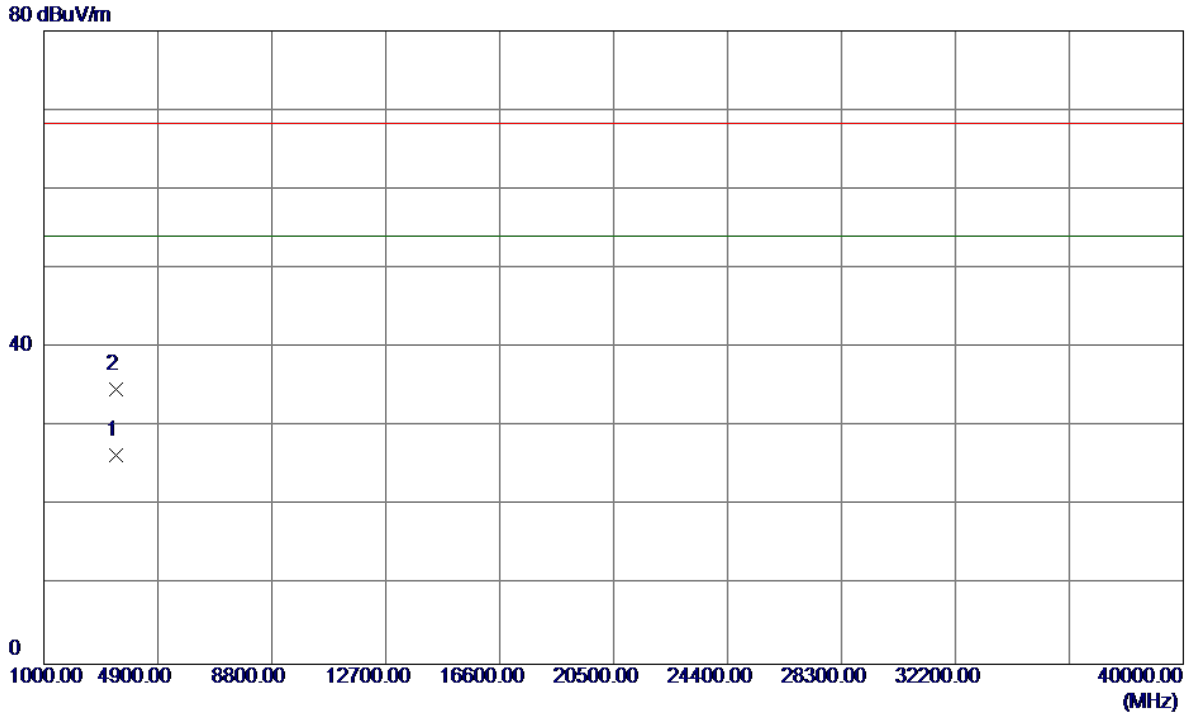
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	16.00	40.62	56.62	68.30	-11.68	Peak	
2	5150.0000	5.25	40.62	45.87	54.00	-8.13	AVG	
3 *	5195.5000	41.27	40.78	82.05	54.00	28.05	AVG	No Limit
4	5195.6000	49.64	40.78	90.42	68.30	22.12	Peak	No Limit

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

Horizontal

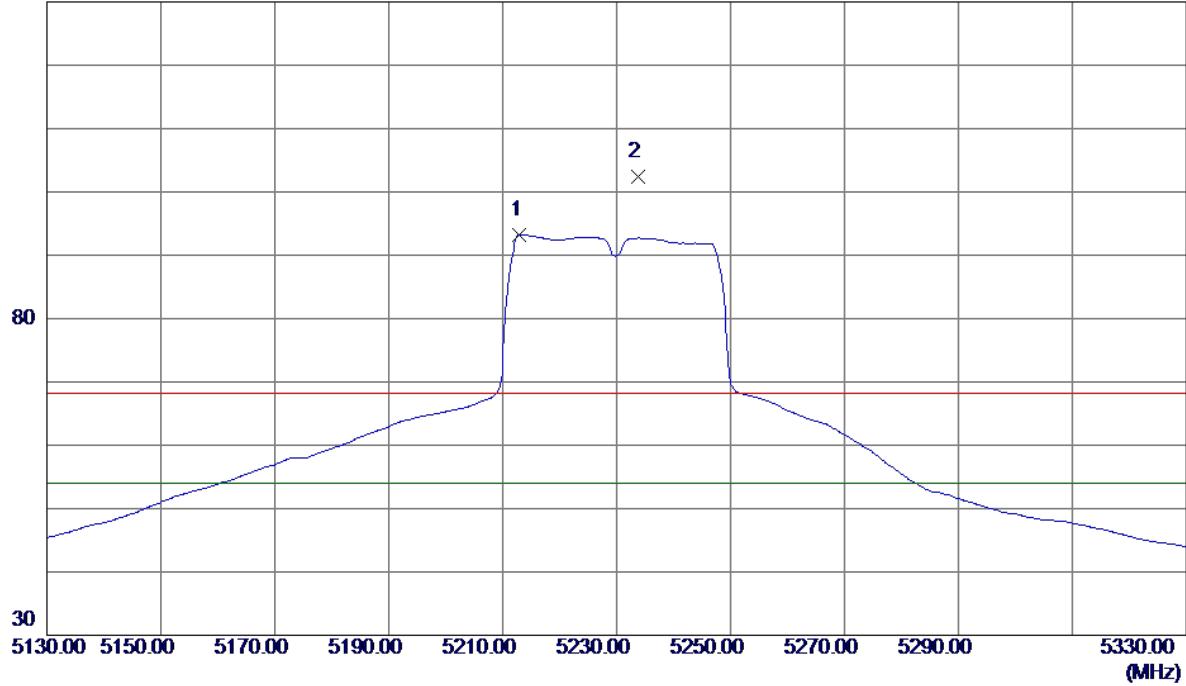


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3459.7730	25.08	1.33	26.41	54.00	-27.59	AVG	
2	3459.8530	33.44	1.33	34.77	68.30	-33.53	Peak	

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

Vertical

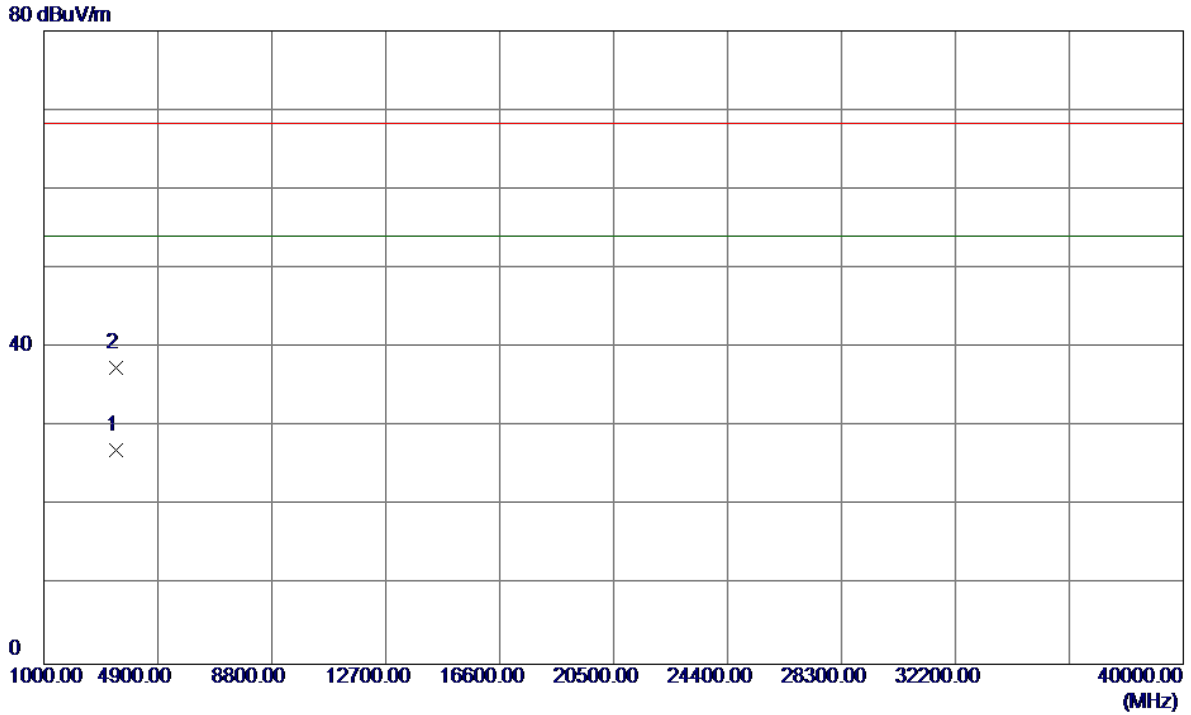
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5213.0000	52.45	40.83	93.28	54.00	39.28	AVG	No Limit
2	5233.8000	61.49	40.90	102.39	68.30	34.09	Peak	No Limit

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

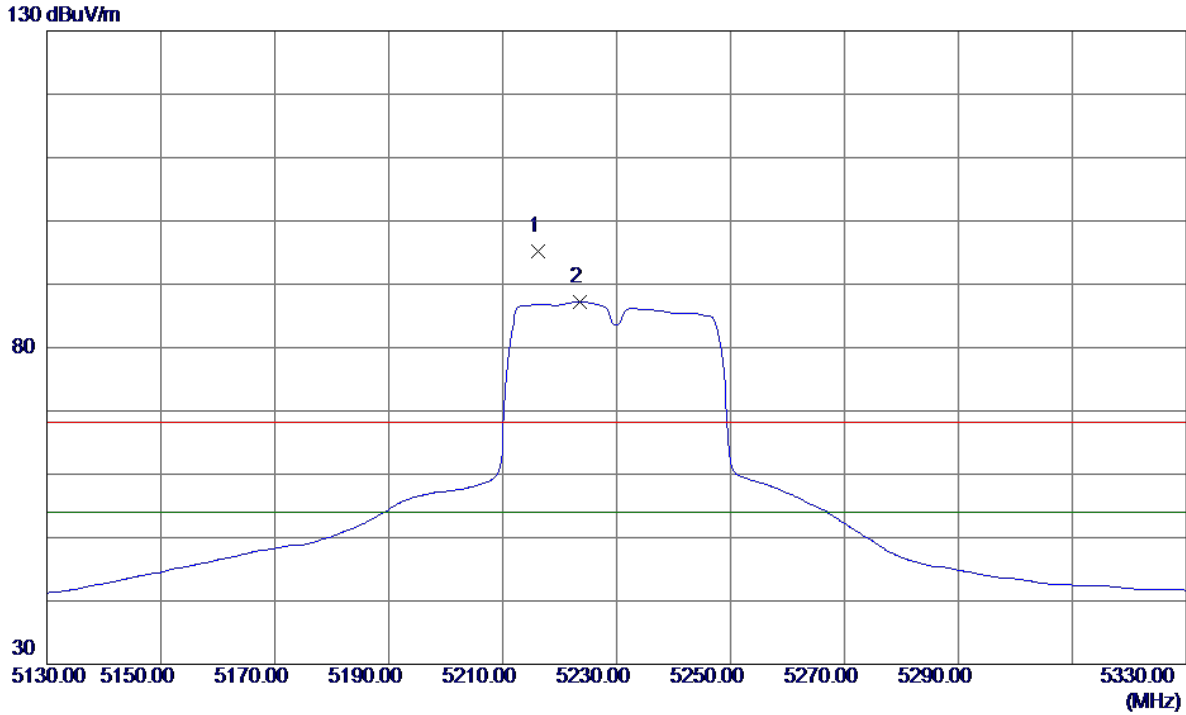
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3486.5200	25.72	1.32	27.04	54.00	-26.96	AVG	
2	3486.5500	36.11	1.32	37.43	68.30	-30.87	Peak	

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

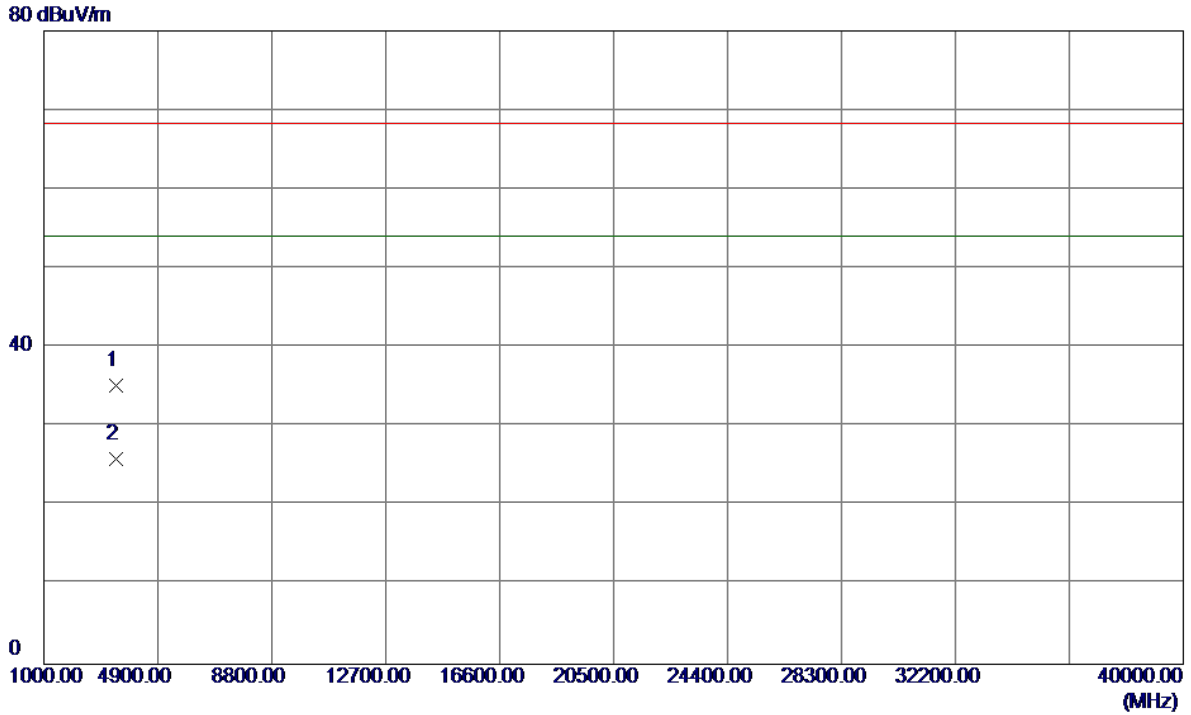
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5216.3000	54.45	40.84	95.29	68.30	26.99	Peak	No Limit
2 *	5223.6000	46.30	40.87	87.17	54.00	33.17	AVG	No Limit

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

Horizontal

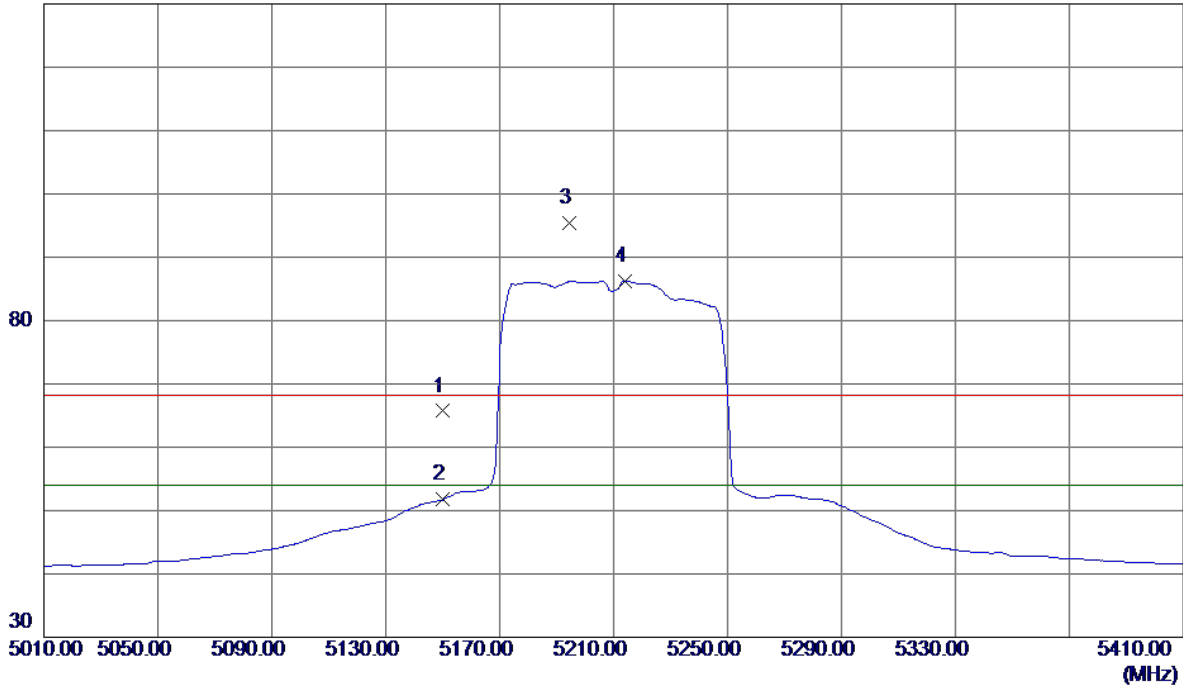


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3486.5550	33.92	1.32	35.24	68.30	-33.06	Peak	
2 *	3486.6900	24.61	1.32	25.93	54.00	-28.07	AVG	

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

Vertical

130 dBuV/m

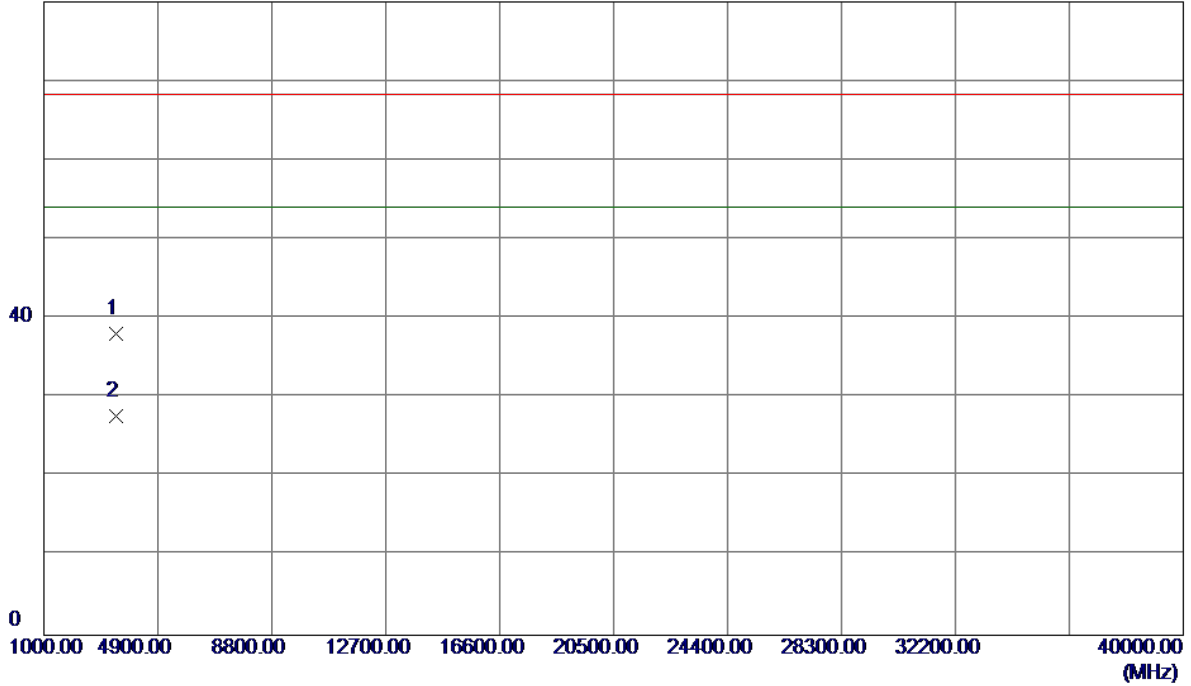


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	25.08	40.62	65.70	68.30	-2.60	Peak	
2	5150.0000	11.14	40.62	51.76	54.00	-2.24	AVG	
3	5194.6000	54.70	40.77	95.47	68.30	27.17	Peak	No Limit
4 *	5214.0000	45.40	40.84	86.24	54.00	32.24	AVG	No Limit

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

Vertical

80 dBuV/m

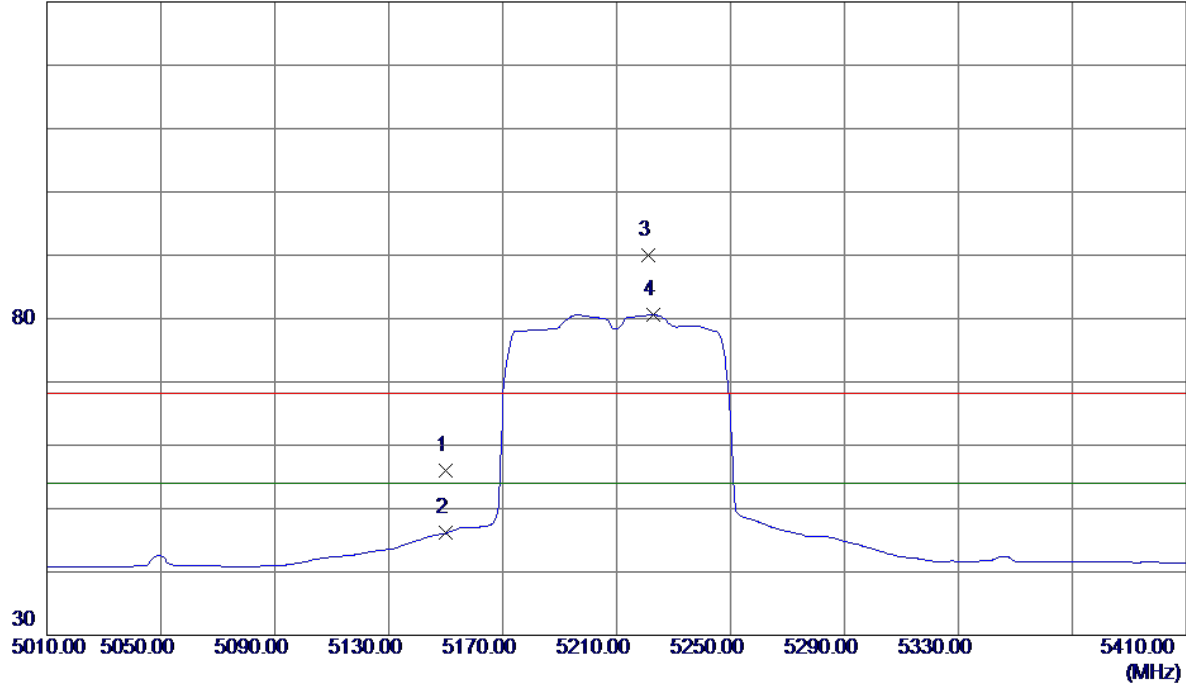


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3473.2050	36.76	1.33	38.09	68.30	-30.21	Peak	
2 *	3473.2550	26.33	1.33	27.66	54.00	-26.34	AVG	

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

Horizontal

130 dBuV/m

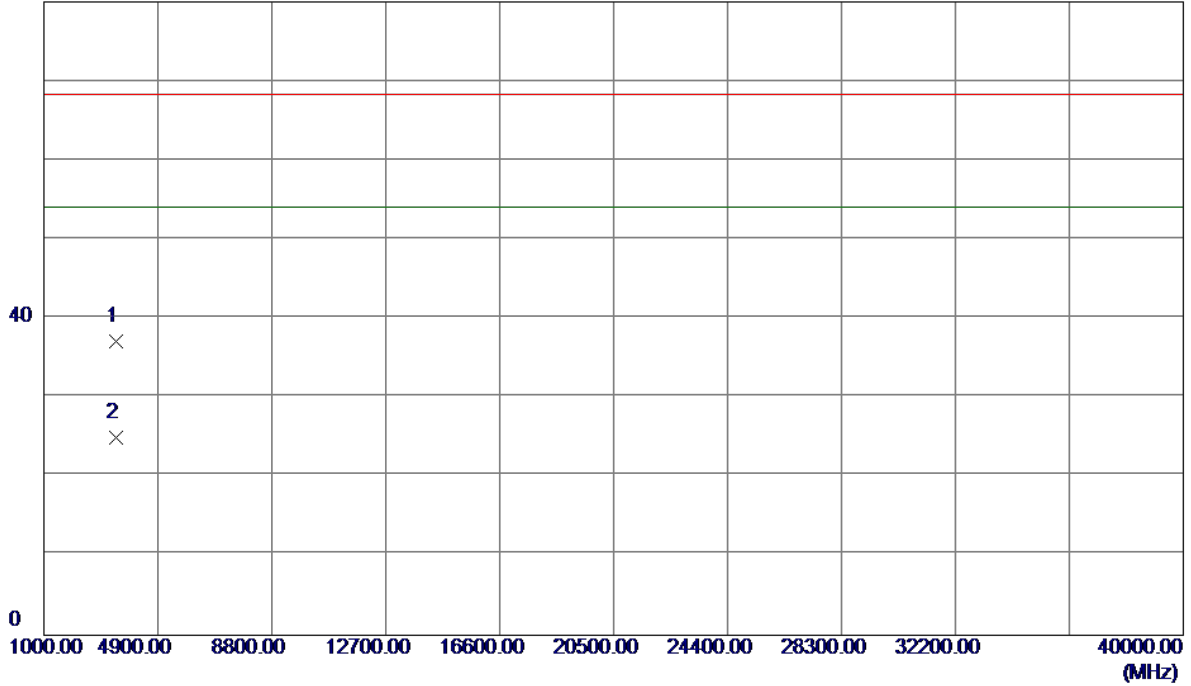


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	15.34	40.62	55.96	68.30	-12.34	Peak	
2	5150.0000	5.52	40.62	46.14	54.00	-7.86	AVG	
3	5221.2000	49.10	40.86	89.96	68.30	21.66	Peak	No Limit
4 *	5222.8000	39.76	40.87	80.63	54.00	26.63	AVG	No Limit

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

Horizontal

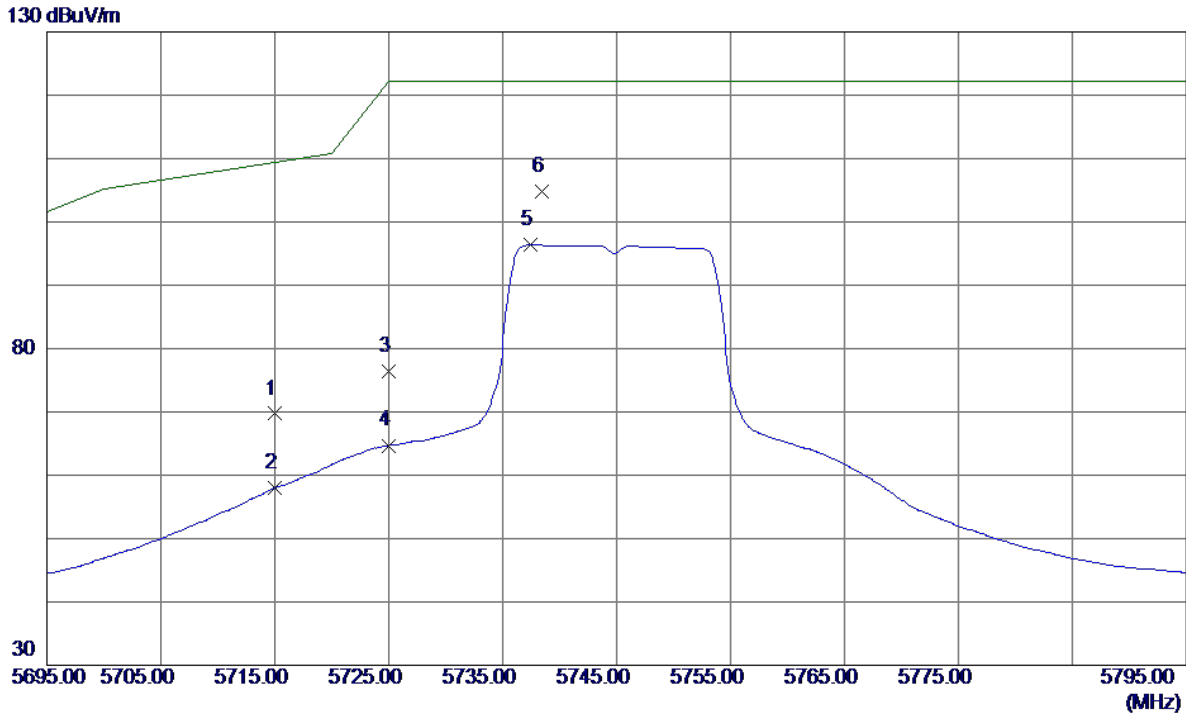
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3473.0850	35.72	1.33	37.05	68.30	-31.25	Peak	
2 *	3473.4300	23.68	1.33	25.01	54.00	-28.99	AVG	

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

Vertical

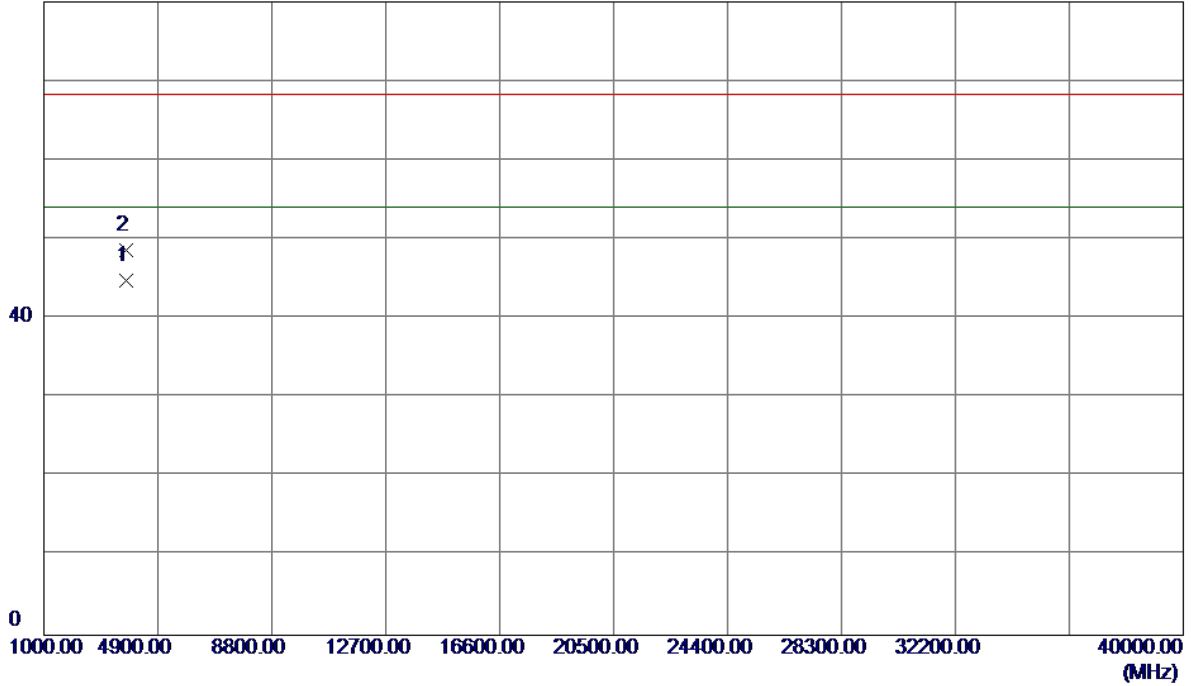


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	27.15	42.55	69.70	109.40	-39.70	Peak	
2	5715.0000	15.47	42.55	58.02	109.40	-51.38	AVG	
3	5725.0000	33.73	42.58	76.31	122.20	-45.89	Peak	
4	5725.0000	22.12	42.58	64.70	122.20	-57.50	AVG	
5	5737.4000	53.70	42.62	96.32	122.20	-25.88	AVG	No Limit
6 *	5738.4000	62.26	42.63	104.89	122.20	-17.31	Peak	No Limit

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

Vertical

80 dBuV/m

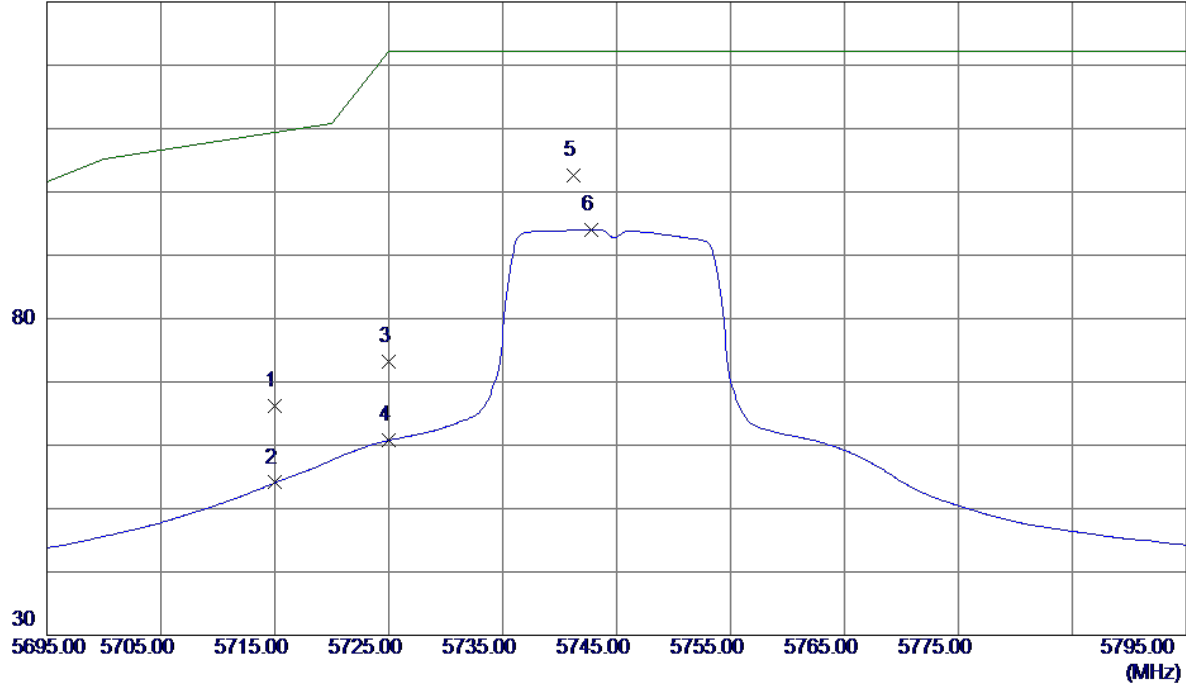


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3829.8250	42.42	2.39	44.81	54.00	-9.19	AVG	
2	3829.8850	46.28	2.39	48.67	68.30	-19.63	Peak	

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

Horizontal

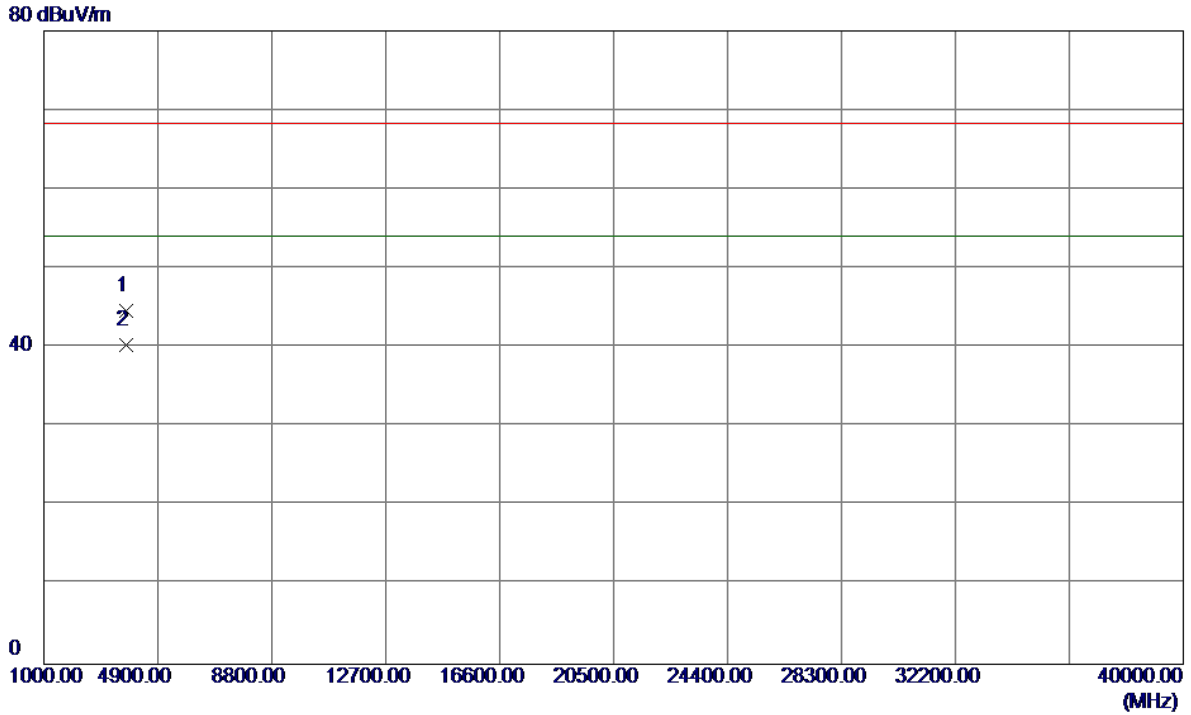
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	23.57	42.55	66.12	109.40	-43.28	Peak	
2	5715.0000	11.55	42.55	54.10	109.40	-55.30	AVG	
3	5725.0000	30.67	42.58	73.25	122.20	-48.95	Peak	
4	5725.0000	18.21	42.58	60.79	122.20	-61.41	AVG	
5 *	5741.2500	59.97	42.64	102.61	122.20	-19.59	Peak	No Limit
6	5742.8000	51.36	42.64	94.00	122.20	-28.20	AVG	No Limit

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

Horizontal

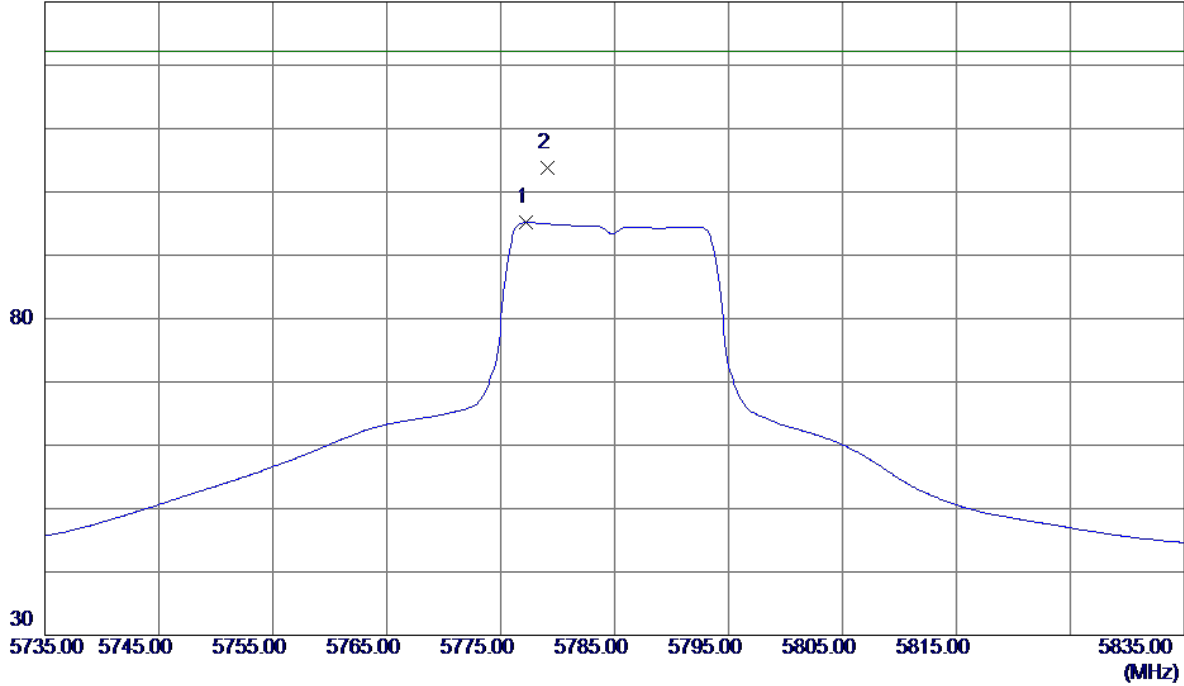


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3829.7600	42.23	2.39	44.62	68.30	-23.68	Peak	
2 *	3829.8270	38.00	2.39	40.39	54.00	-13.61	AVG	

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

Vertical

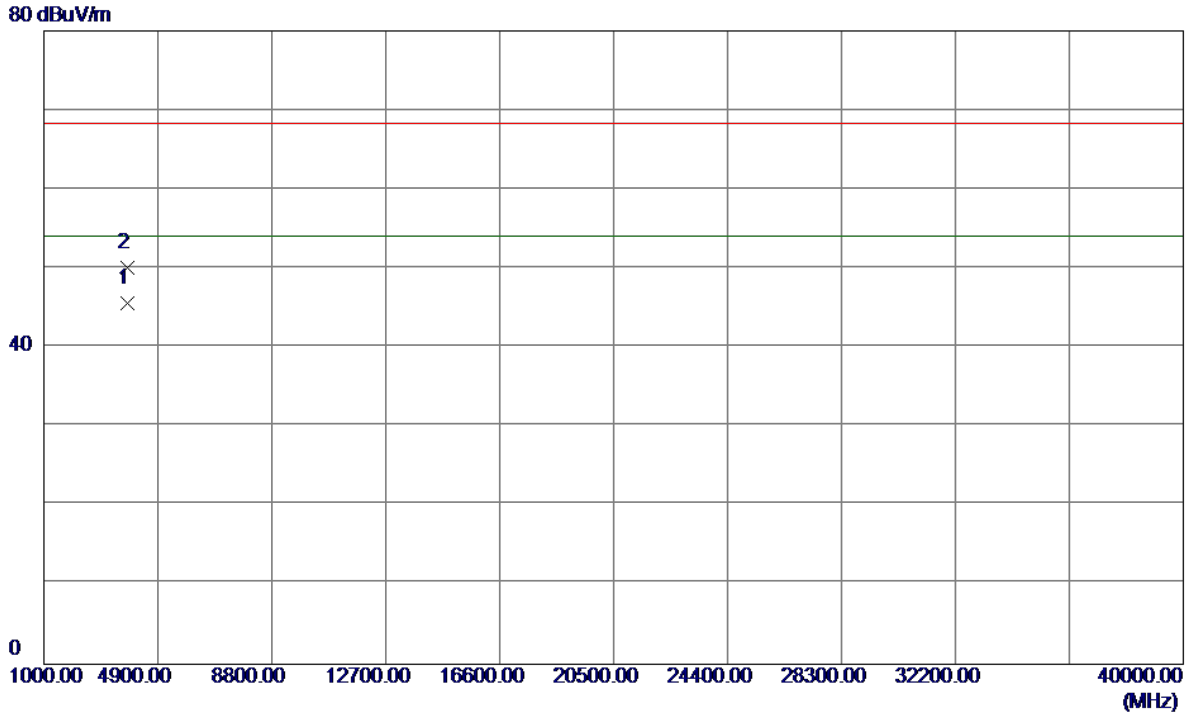
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5777.2000	52.40	42.77	95.17	122.20	-27.03	AVG	No Limit
2 *	5779.1000	61.12	42.77	103.89	122.20	-18.31	Peak	No Limit

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

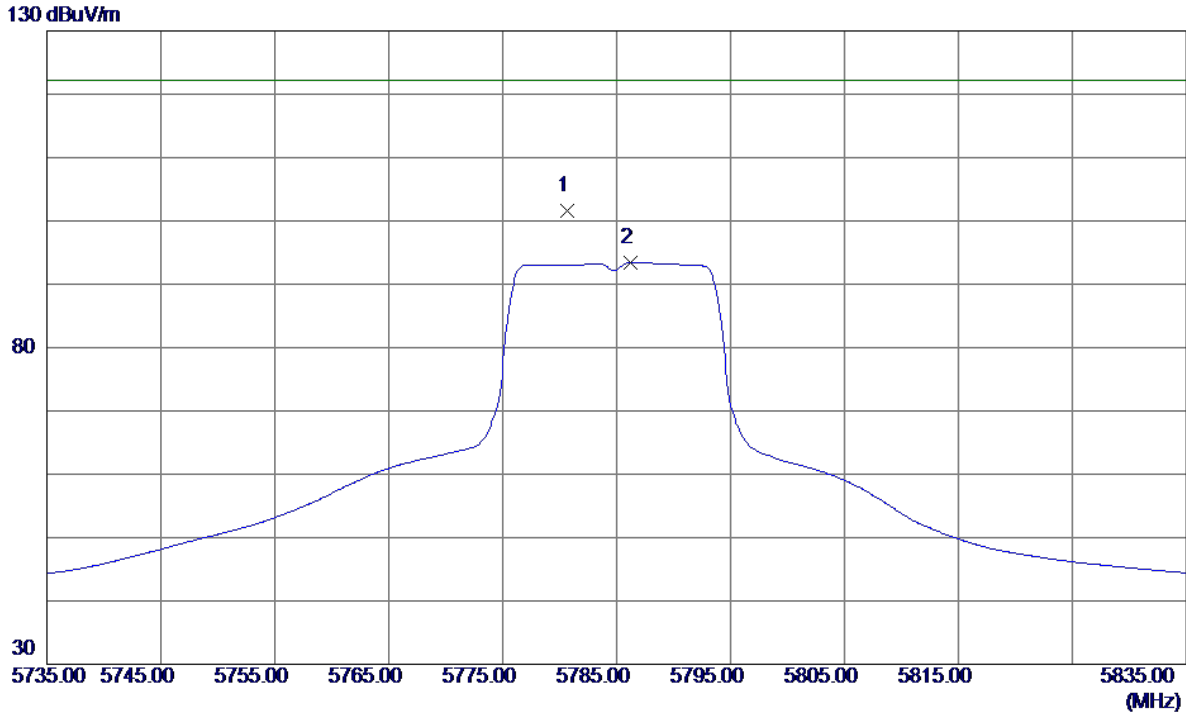
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3856.4830	43.07	2.48	45.55	54.00	-8.45	AVG	
2	3856.5600	47.61	2.48	50.09	68.30	-18.21	Peak	

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

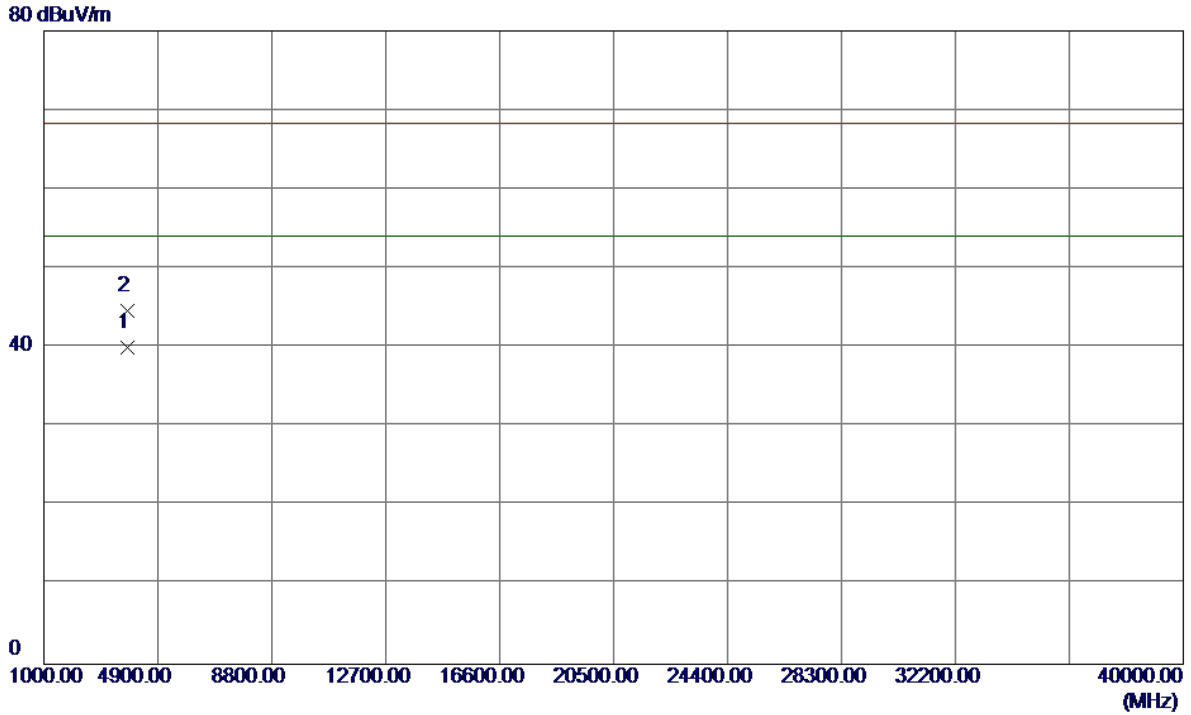
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5780.6500	58.75	42.78	101.53	122.20	-20.67	Peak	No Limit
2	5786.2500	50.57	42.80	93.37	122.20	-28.83	AVG	No Limit

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

Horizontal

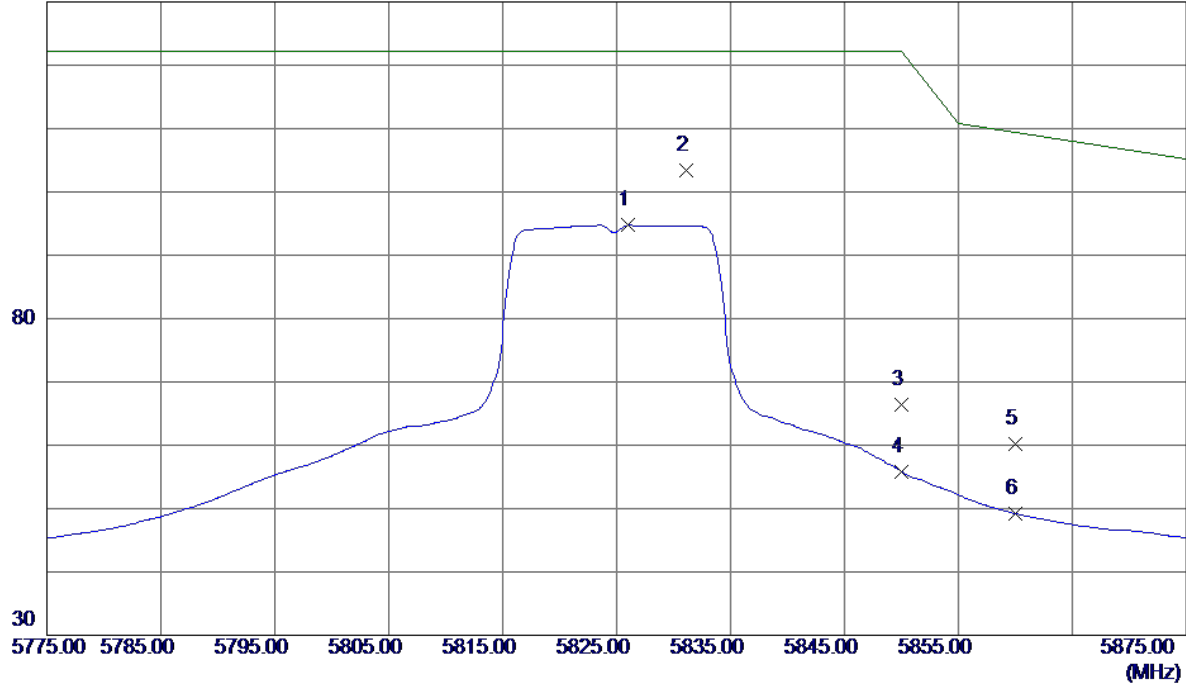


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3856.5080	37.55	2.48	40.03	54.00	-13.97	AVG	
2	3856.5850	42.15	2.48	44.63	68.30	-23.67	Peak	

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

Vertical

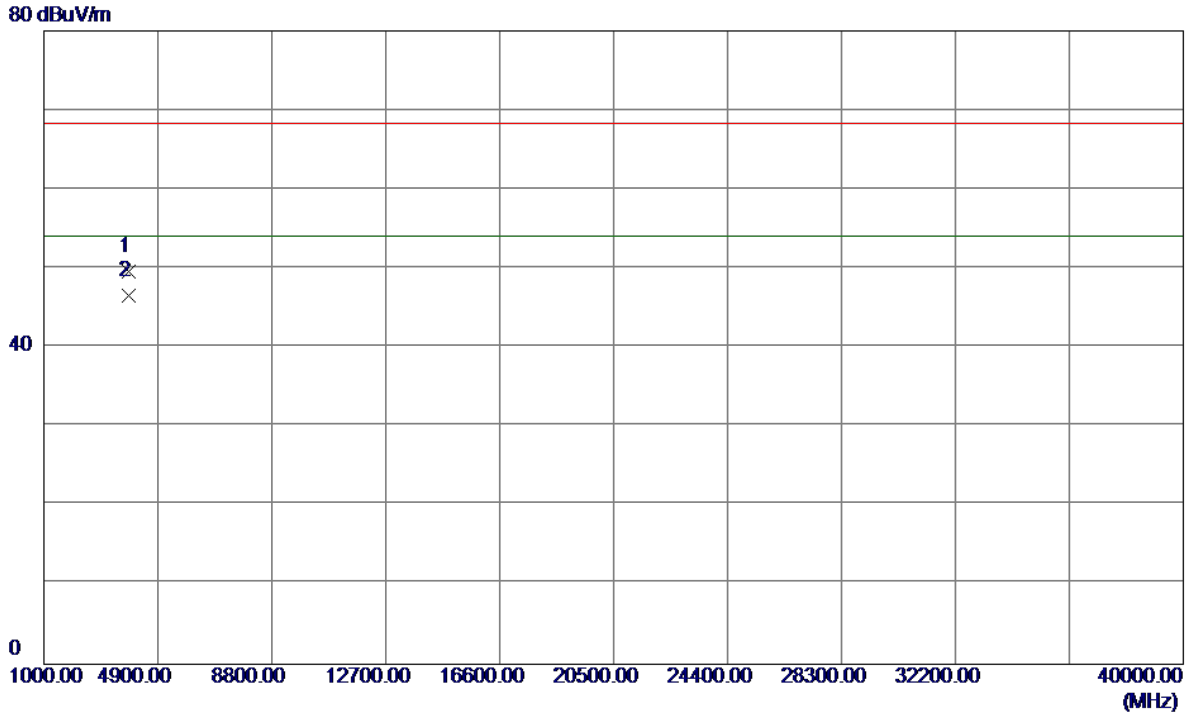
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5826.0500	51.79	42.94	94.73	122.20	-27.47	AVG	No Limit
2 *	5831.1500	60.52	42.96	103.48	122.20	-18.72	Peak	No Limit
3	5850.0000	23.30	43.03	66.33	122.20	-55.87	Peak	
4	5850.0000	12.81	43.03	55.84	122.20	-66.36	AVG	
5	5860.0000	17.09	43.06	60.15	109.40	-49.25	Peak	
6	5860.0000	6.13	43.06	49.19	109.40	-60.21	AVG	

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

Vertical

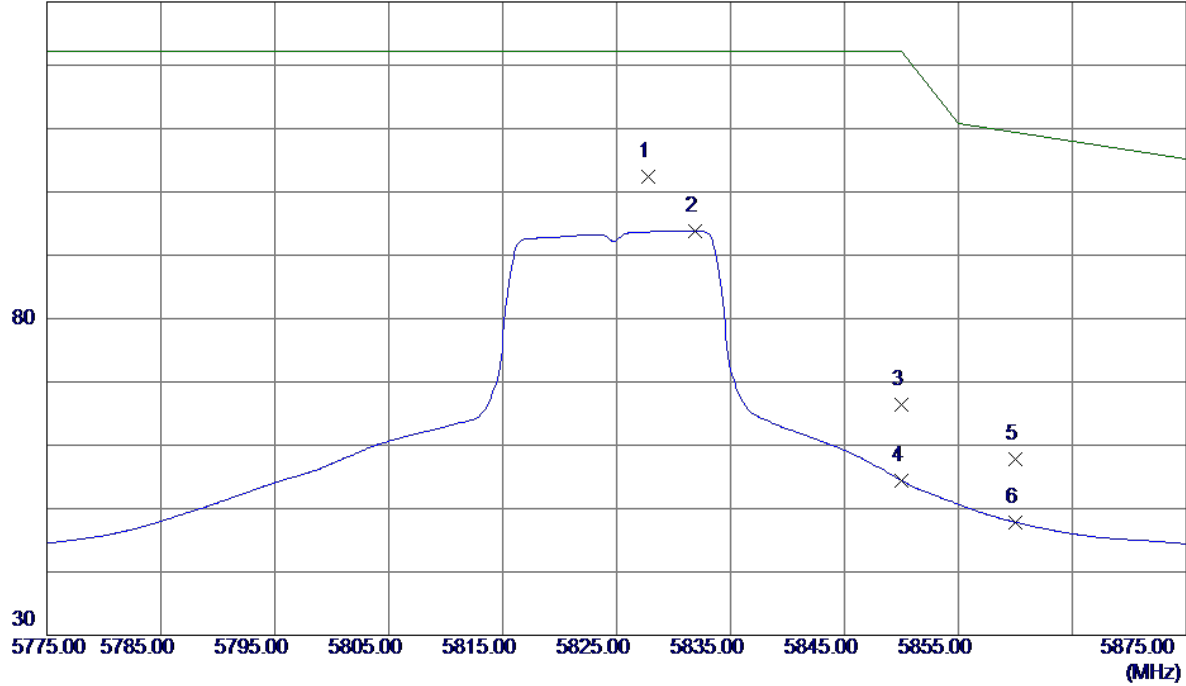


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3883.1280	46.95	2.57	49.52	68.30	-18.78	Peak	
2 *	3883.1550	43.94	2.57	46.51	54.00	-7.49	AVG	

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

Horizontal

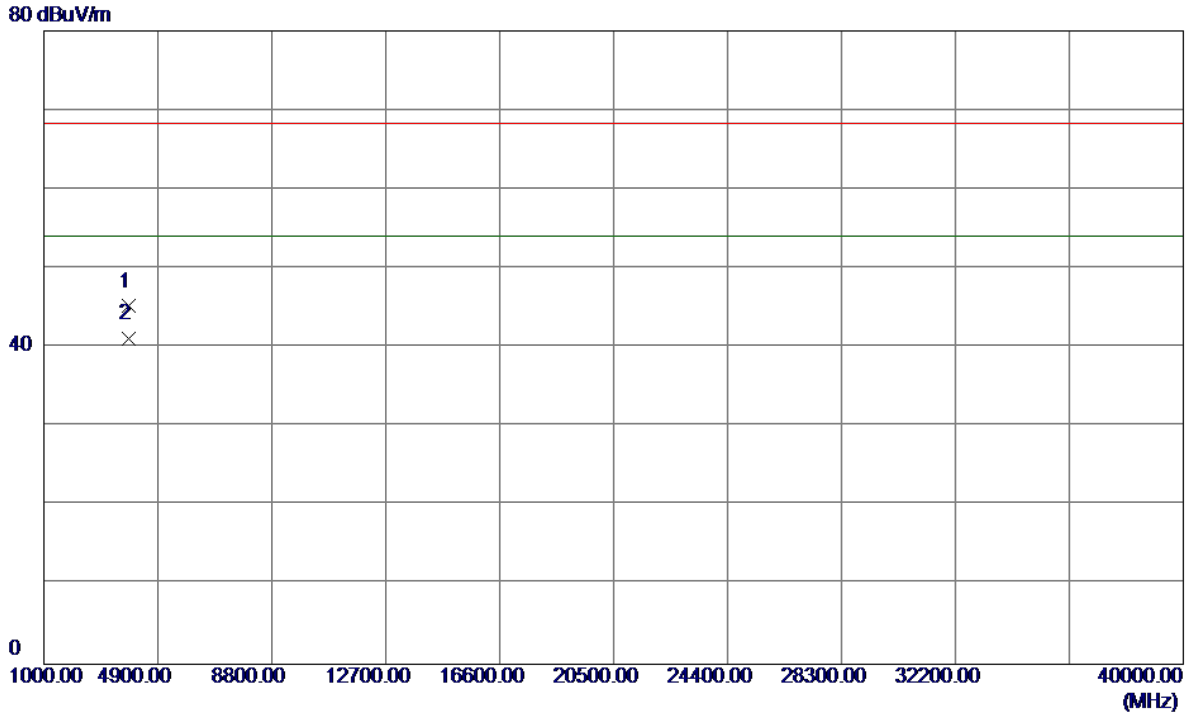
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5827.8000	59.52	42.95	102.47	122.20	-19.73	Peak	No Limit
2	5831.9000	50.93	42.96	93.89	122.20	-28.31	AVG	No Limit
3	5850.0000	23.31	43.03	66.34	122.20	-55.86	Peak	
4	5850.0000	11.39	43.03	54.42	122.20	-67.78	AVG	
5	5860.0000	14.66	43.06	57.72	109.40	-51.68	Peak	
6	5860.0000	4.77	43.06	47.83	109.40	-61.57	AVG	

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

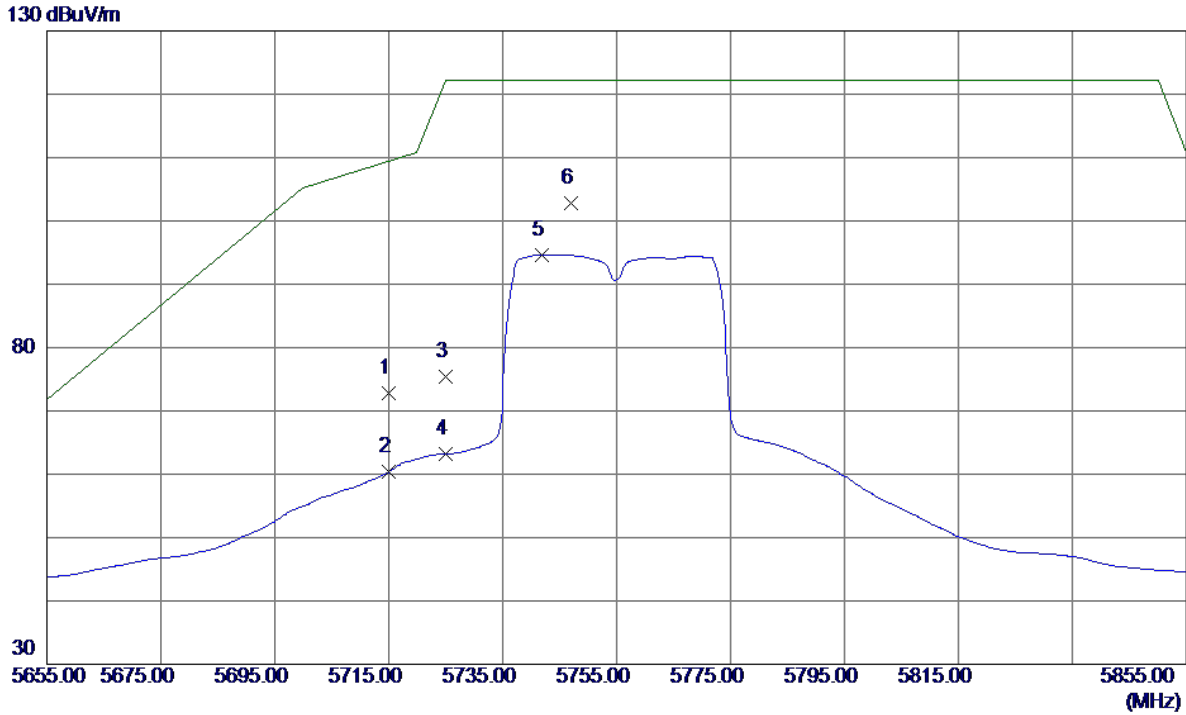
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3883.0280	42.63	2.57	45.20	68.30	-23.10	Peak	
2 *	3883.1850	38.57	2.57	41.14	54.00	-12.86	AVG	

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

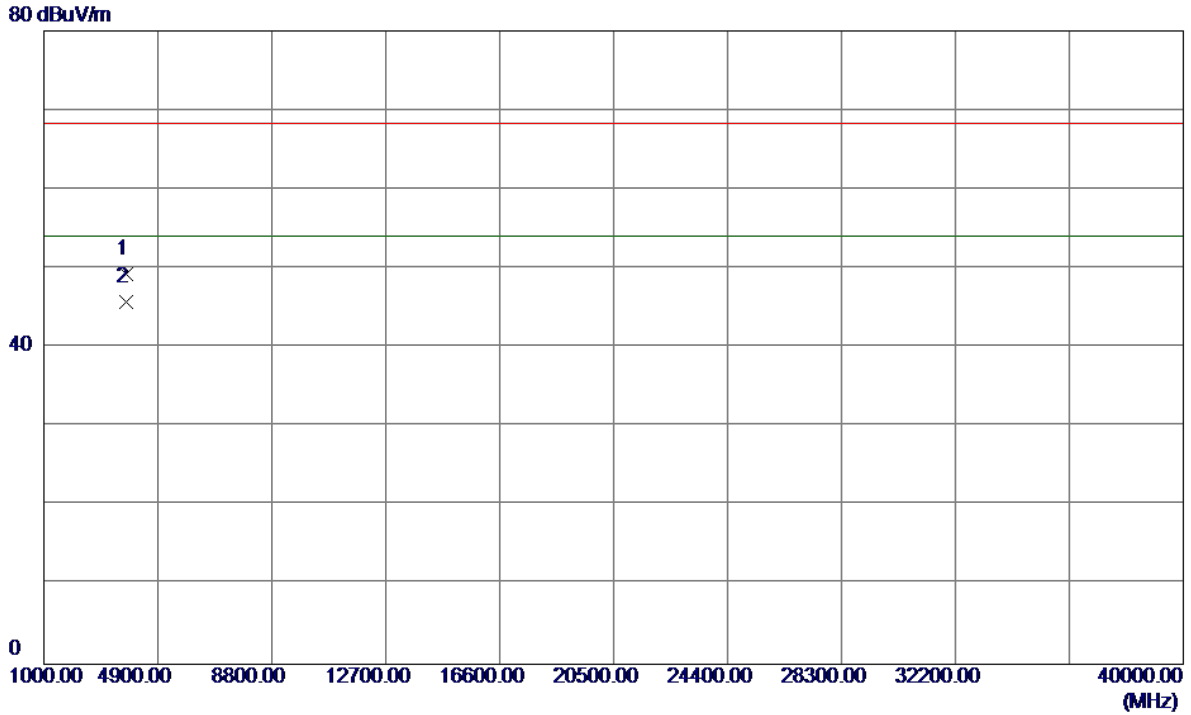
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	30.24	42.55	72.79	109.40	-36.61	Peak	
2	5715.0000	17.88	42.55	60.43	109.40	-48.97	AVG	
3	5725.0000	32.84	42.58	75.42	122.20	-46.78	Peak	
4	5725.0000	20.64	42.58	63.22	122.20	-58.98	AVG	
5	5741.9000	52.01	42.64	94.65	122.20	-27.55	AVG	No Limit
6 *	5746.9000	60.23	42.66	102.89	122.20	-19.31	Peak	No Limit

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

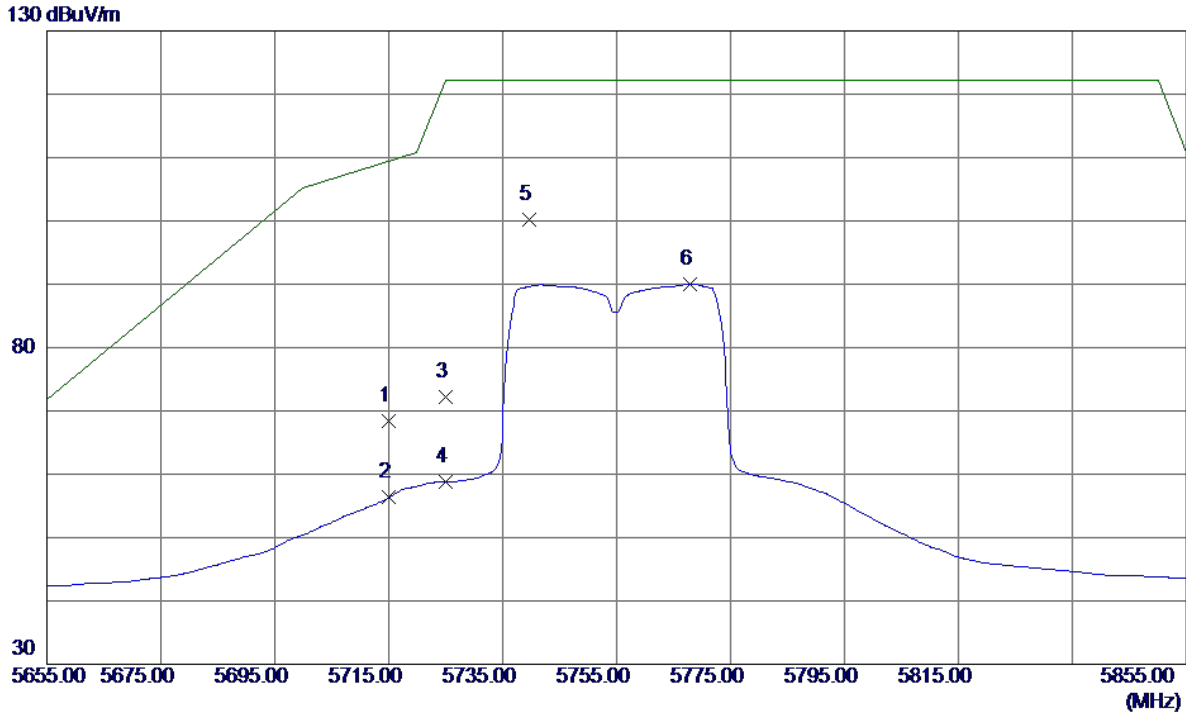
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3836.4450	46.88	2.42	49.30	68.30	-19.00	Peak	
2 *	3836.4970	43.36	2.42	45.78	54.00	-8.22	AVG	

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

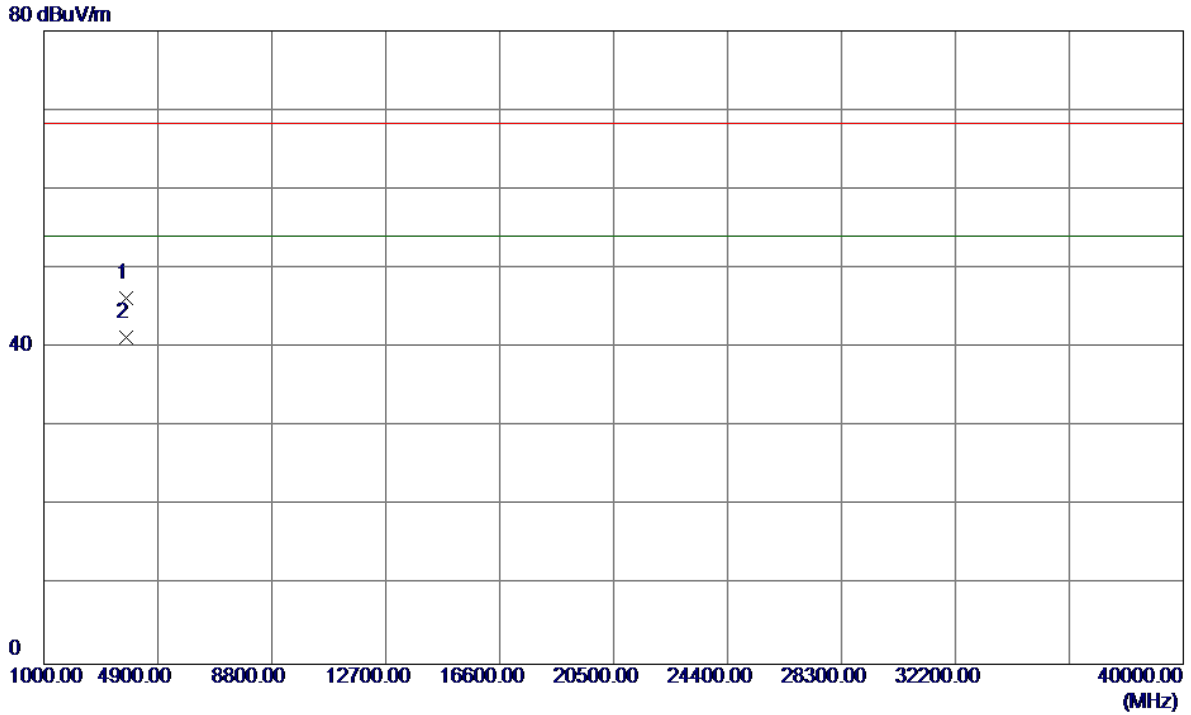
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	25.91	42.55	68.46	109.40	-40.94	Peak	
2	5715.0000	13.79	42.55	56.34	109.40	-53.06	AVG	
3	5725.0000	29.54	42.58	72.12	122.20	-50.08	Peak	
4	5725.0000	16.24	42.58	58.82	122.20	-63.38	AVG	
5 *	5739.6000	57.61	42.63	100.24	122.20	-21.96	Peak	No Limit
6	5767.9000	47.25	42.73	89.98	122.20	-32.22	AVG	No Limit

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

Horizontal

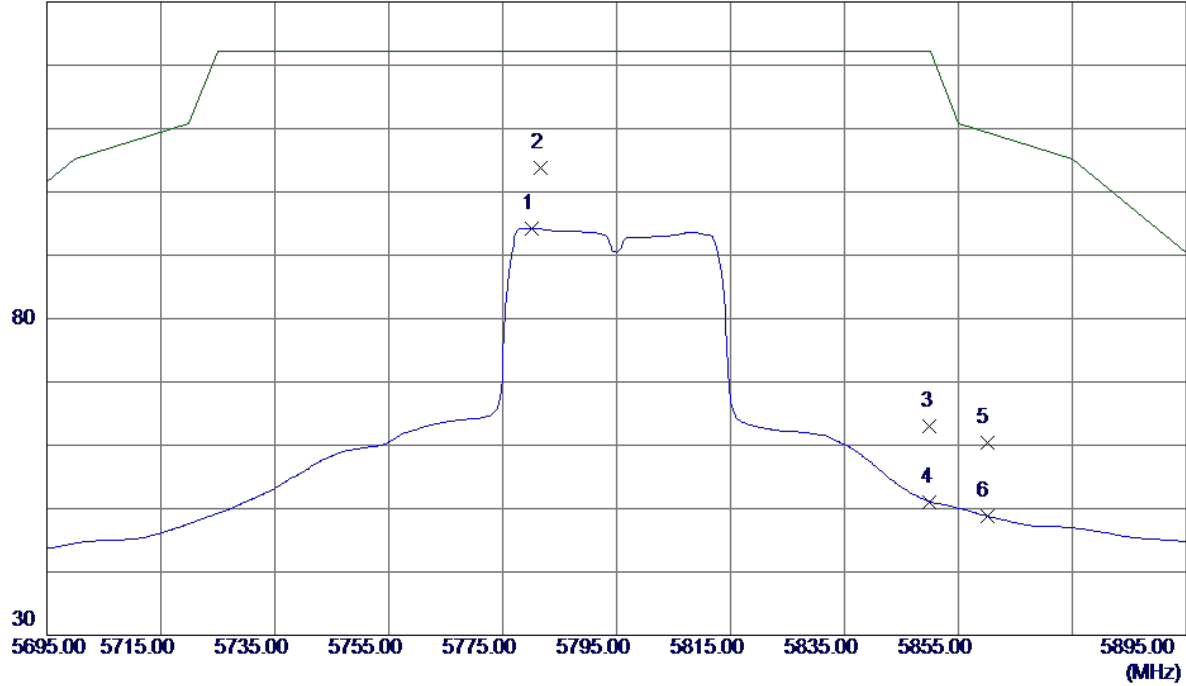


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3836.4100	43.78	2.42	46.20	68.30	-22.10	Peak	
2 *	3836.5200	38.79	2.42	41.21	54.00	-12.79	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

Vertical

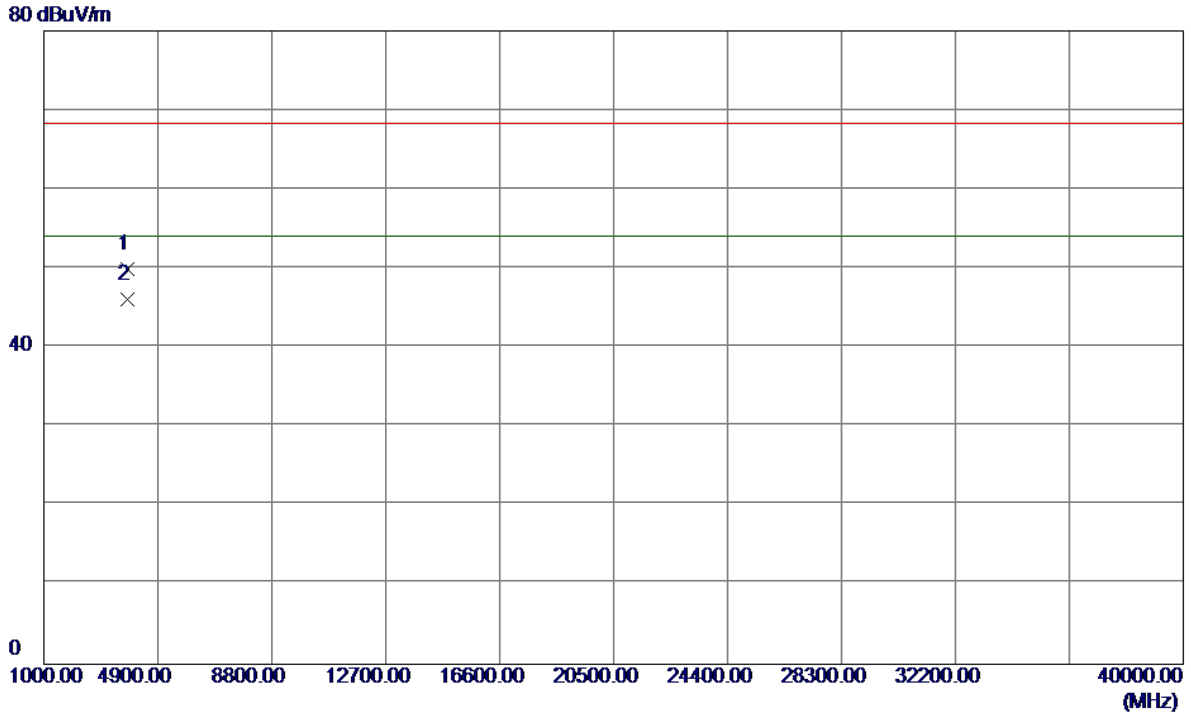
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5780.2000	51.43	42.78	94.21	122.20	-27.99	AVG	No Limit
2 *	5781.7000	60.98	42.78	103.76	122.20	-18.44	Peak	No Limit
3	5850.0000	19.91	43.03	62.94	122.20	-59.26	Peak	
4	5850.0000	8.03	43.03	51.06	122.20	-71.14	AVG	
5	5860.0000	17.32	43.06	60.38	109.40	-49.02	Peak	
6	5860.0000	5.76	43.06	48.82	109.40	-60.58	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

Vertical

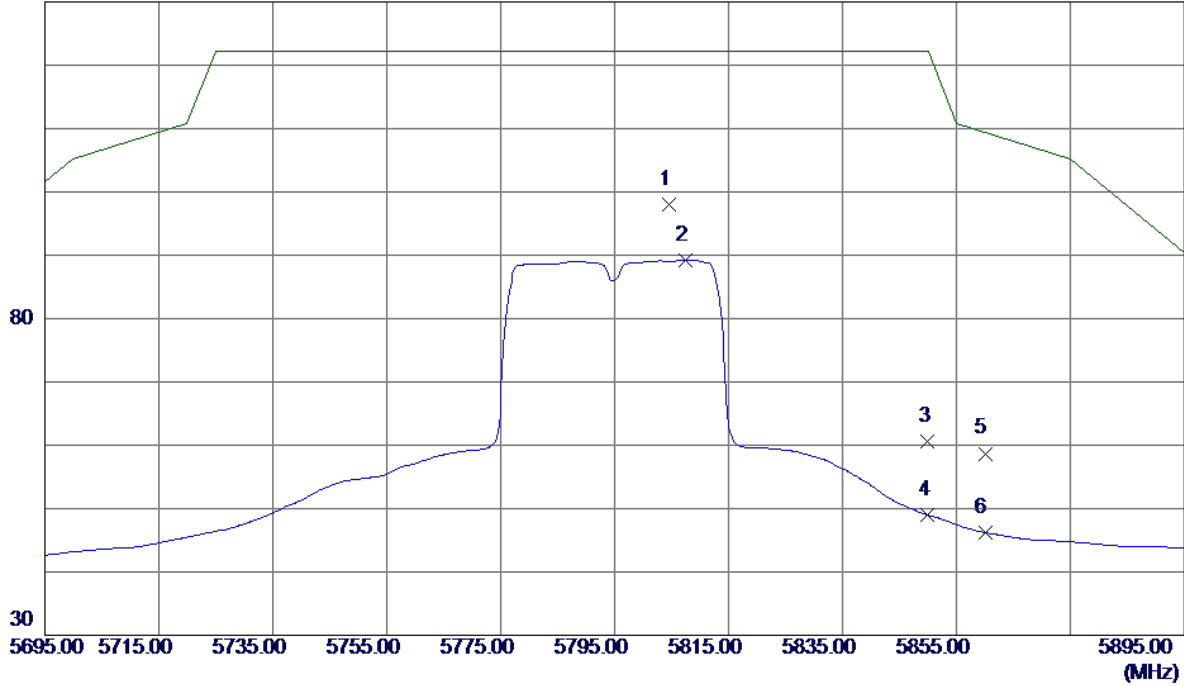


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3863.0700	47.40	2.50	49.90	68.30	-18.40	Peak	
2 *	3863.2220	43.64	2.50	46.14	54.00	-7.86	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

Horizontal

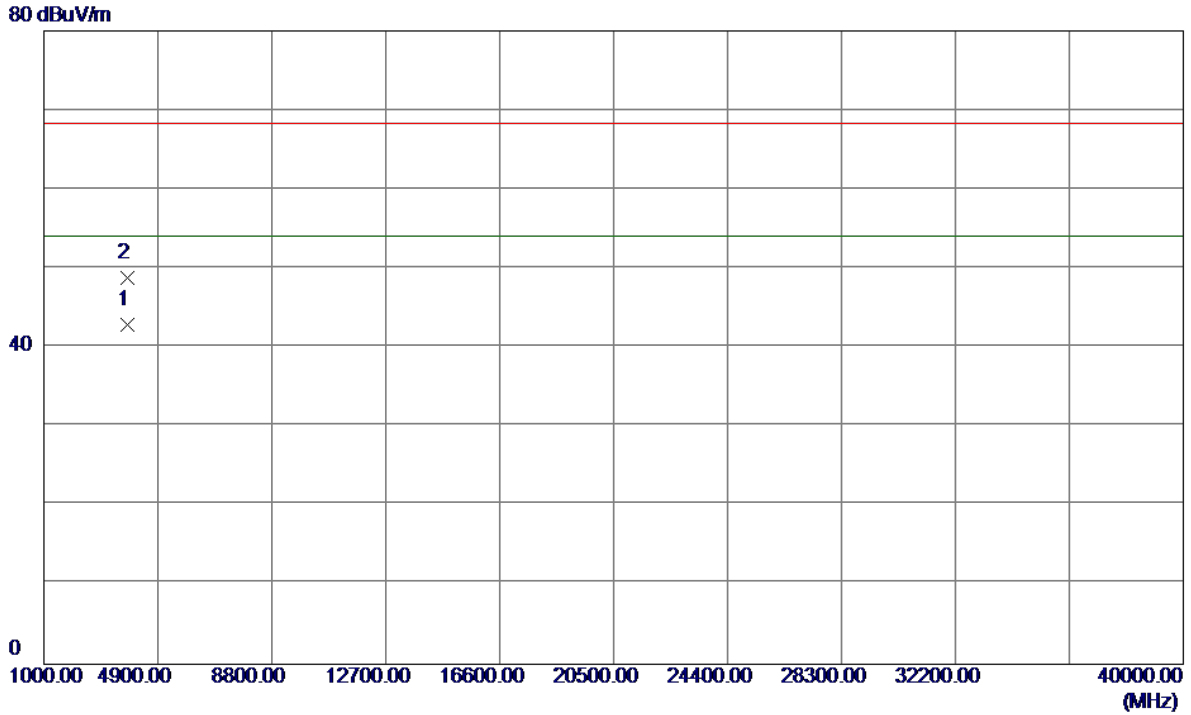
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5804.6000	55.14	42.86	98.00	122.20	-24.20	Peak	No Limit
2	5807.5000	46.37	42.87	89.24	122.20	-32.96	AVG	No Limit
3	5850.0000	17.50	43.03	60.53	122.20	-61.67	Peak	
4	5850.0000	5.90	43.03	48.93	122.20	-73.27	AVG	
5	5860.0000	15.64	43.06	58.70	109.40	-50.70	Peak	
6	5860.0000	3.15	43.06	46.21	109.40	-63.19	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

Horizontal

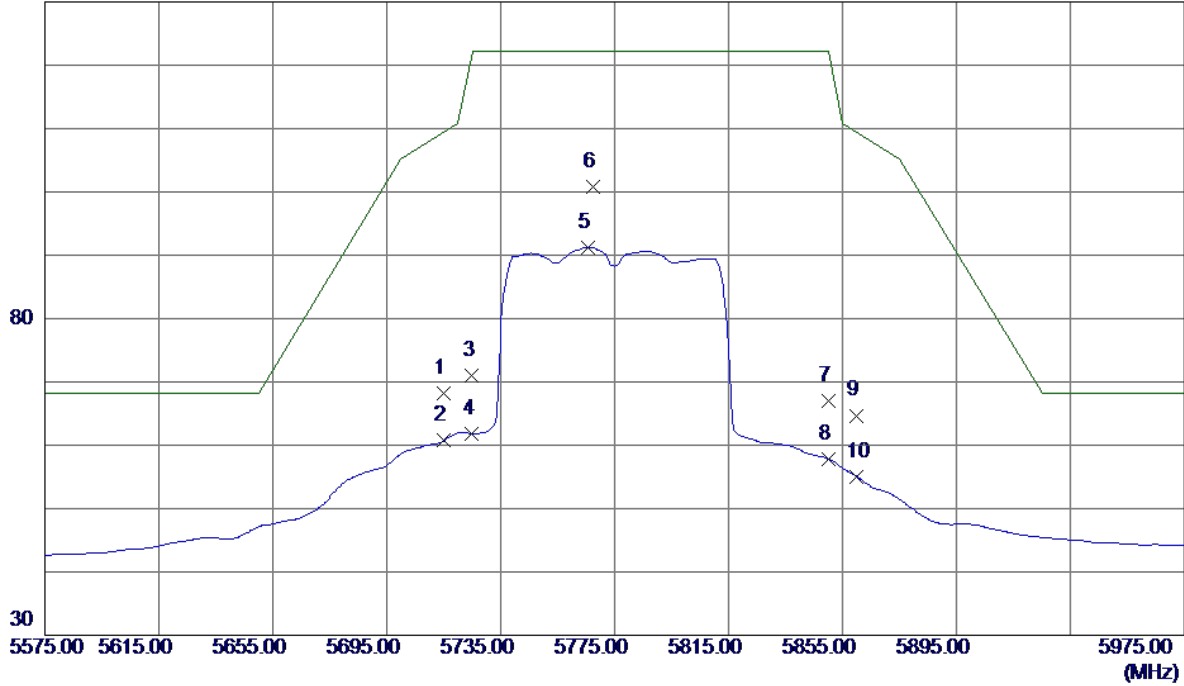


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3863.1850	40.44	2.50	42.94	54.00	-11.06	AVG	
2	3863.2780	46.27	2.50	48.77	68.30	-19.53	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Vertical

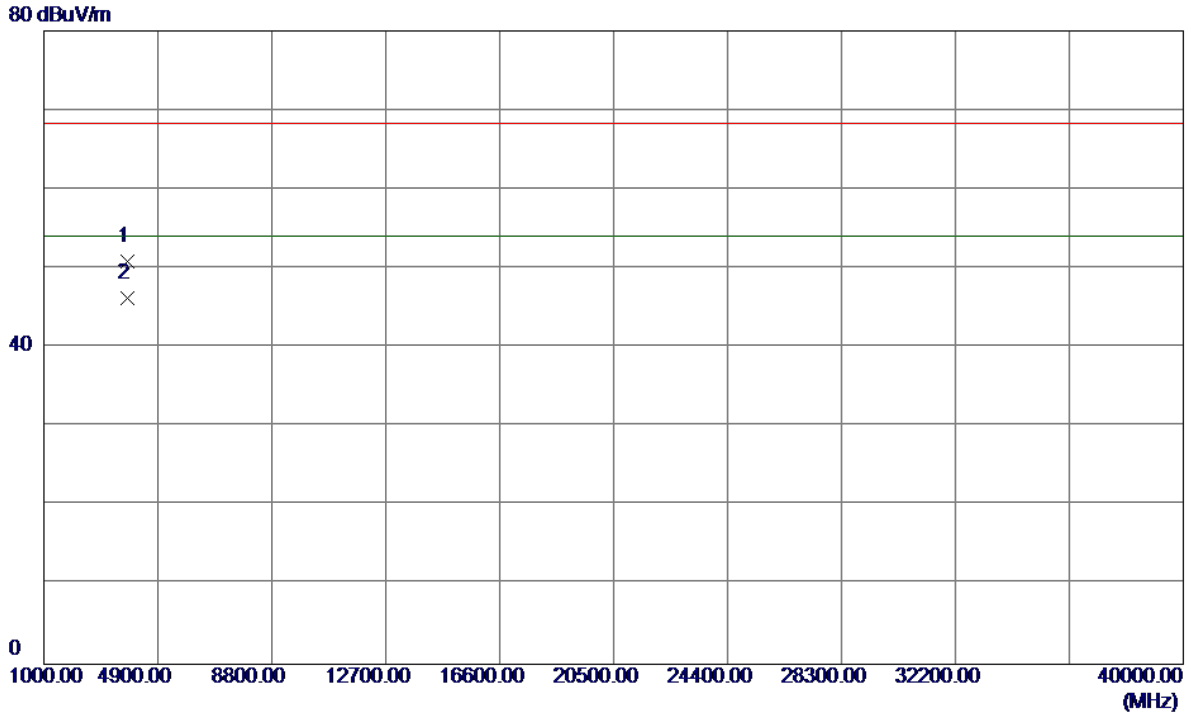
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	25.56	42.55	68.11	109.40	-41.29	Peak	
2	5715.0000	18.23	42.55	60.78	109.40	-48.62	AVG	
3	5725.0000	28.39	42.58	70.97	122.20	-51.23	Peak	
4	5725.0000	19.25	42.58	61.83	122.20	-60.37	AVG	
5	5765.6000	48.45	42.73	91.18	122.20	-31.02	AVG	No Limit
6 *	5767.4000	58.03	42.73	100.76	122.20	-21.44	Peak	No Limit
7	5850.0000	24.01	43.03	67.04	122.20	-55.16	Peak	
8	5850.0000	14.76	43.03	57.79	122.20	-64.41	AVG	
9	5860.0000	21.64	43.06	64.70	109.40	-44.70	Peak	
10	5860.0000	11.92	43.06	54.98	109.40	-54.42	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Vertical

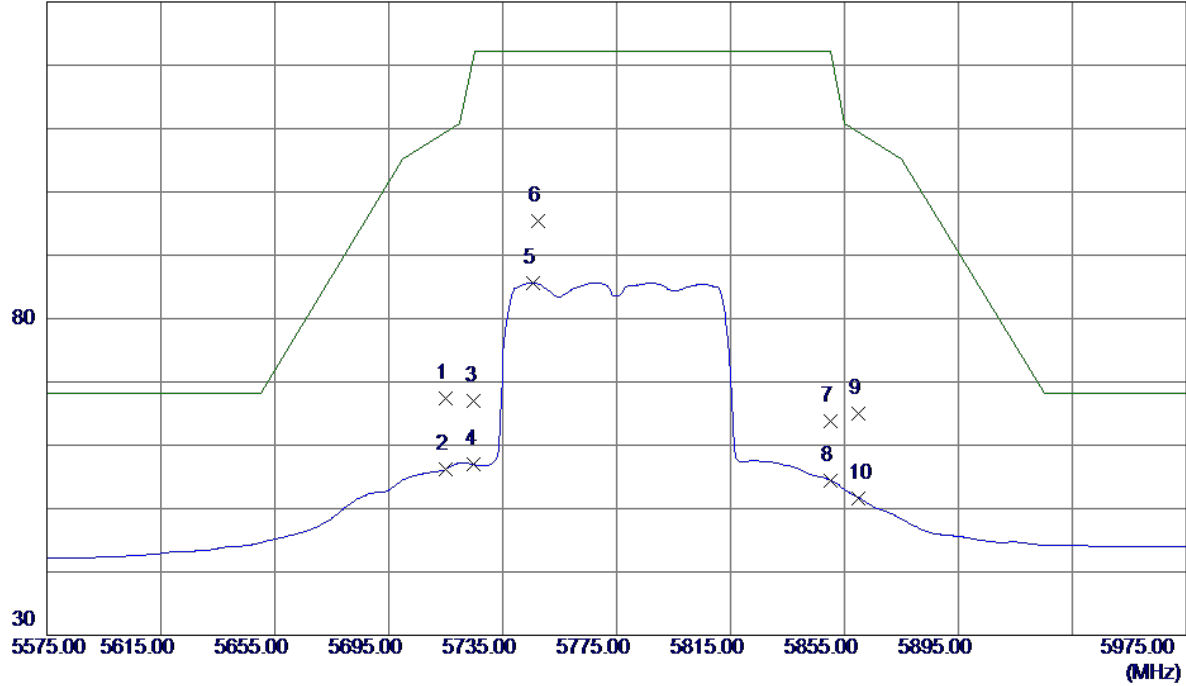


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3849.8100	48.48	2.46	50.94	68.30	-17.36	Peak	
2 *	3849.8450	43.74	2.46	46.20	54.00	-7.80	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Horizontal

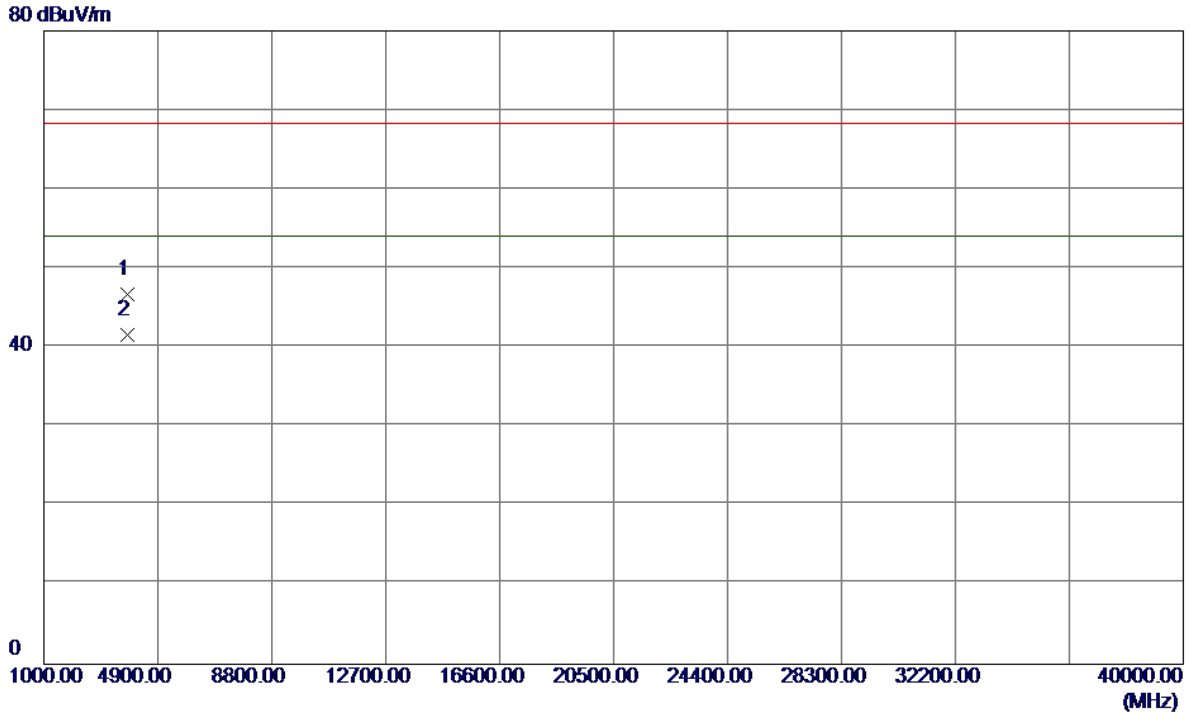
130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	24.81	42.55	67.36	109.40	-42.04	Peak	
2	5715.0000	13.71	42.55	56.26	109.40	-53.14	AVG	
3	5725.0000	24.44	42.58	67.02	122.20	-55.18	Peak	
4	5725.0000	14.34	42.58	56.92	122.20	-65.28	AVG	
5	5745.8000	43.04	42.65	85.69	122.20	-36.51	AVG	No Limit
6 *	5747.6000	52.83	42.66	95.49	122.20	-26.71	Peak	No Limit
7	5850.0000	20.85	43.03	63.88	122.20	-58.32	Peak	
8	5850.0000	11.44	43.03	54.47	122.20	-67.73	AVG	
9	5860.0000	22.02	43.06	65.08	109.40	-44.32	Peak	
10	5860.0000	8.59	43.06	51.65	109.40	-57.75	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	3849.8400	44.22	2.46	46.68	68.30	-21.62	Peak	
2 *	3849.8400	39.16	2.46	41.62	54.00	-12.38	AVG	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

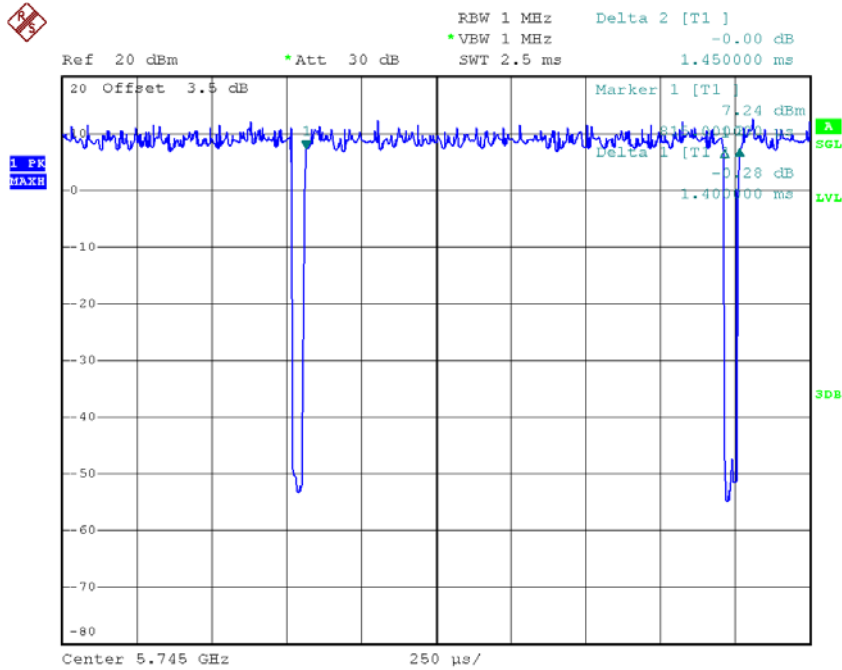
T_{ON} : 1.40 msec

T_{Total} : 1.45 msec

Duty cycle: 96.55%

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

Duty Factor = 0.15



Date: 25.MAR.2017 17:05:50

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

TX N20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

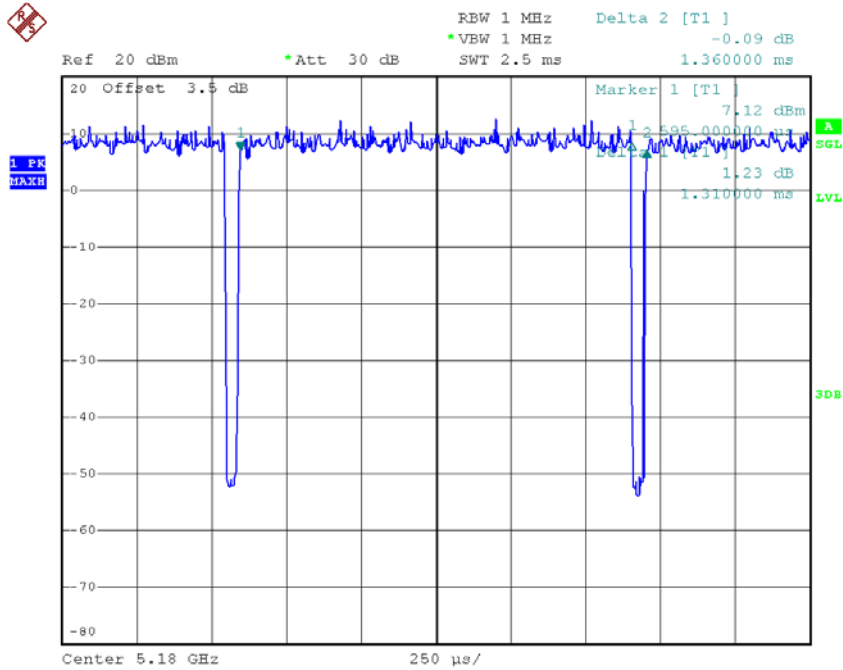
T_{ON} : 1.31 msec

T_{Total} : 1.36 msec

Duty cycle: 96.32%

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

Duty Factor = 0.16



Date: 25.MAR.2017 17:13:26

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

TX N40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

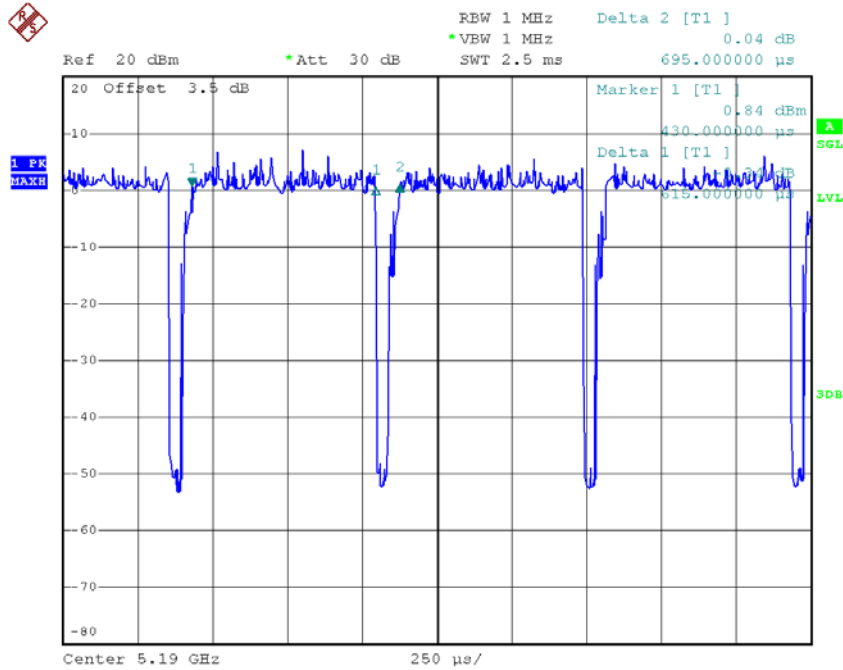
T_{ON} : 0.62 msec

T_{Total} : 0.70 msec

Duty cycle: 88.57%

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

Duty Factor = 0.53



Date: 25.MAR.2017 17:42:02

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

TX AC20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

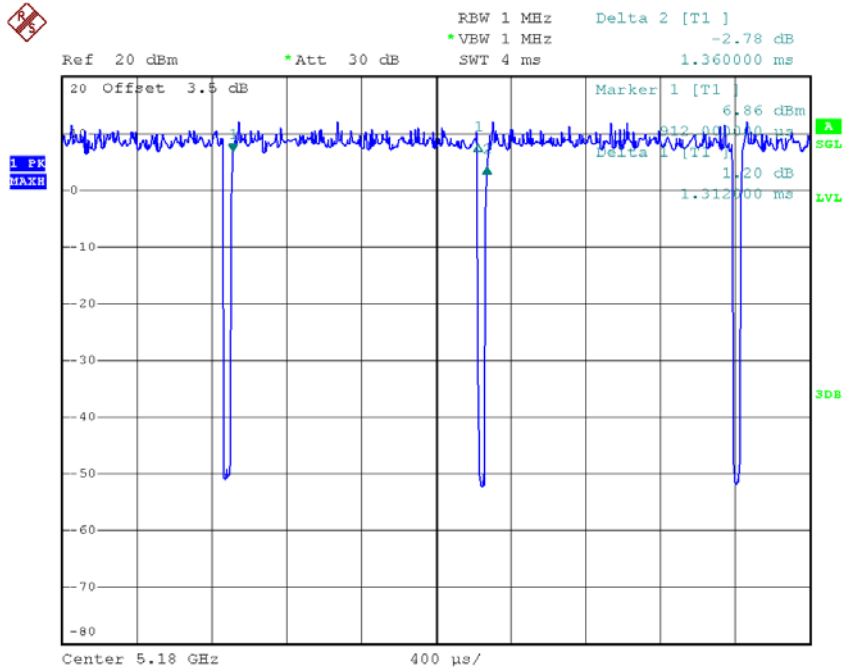
T_{ON} : 1.31 msec

T_{Total} : 1.36 msec

Duty cycle: 96.32%

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

Duty Factor = 0.16



Date: 25.MAR.2017 17:34:20

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

TX AC40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

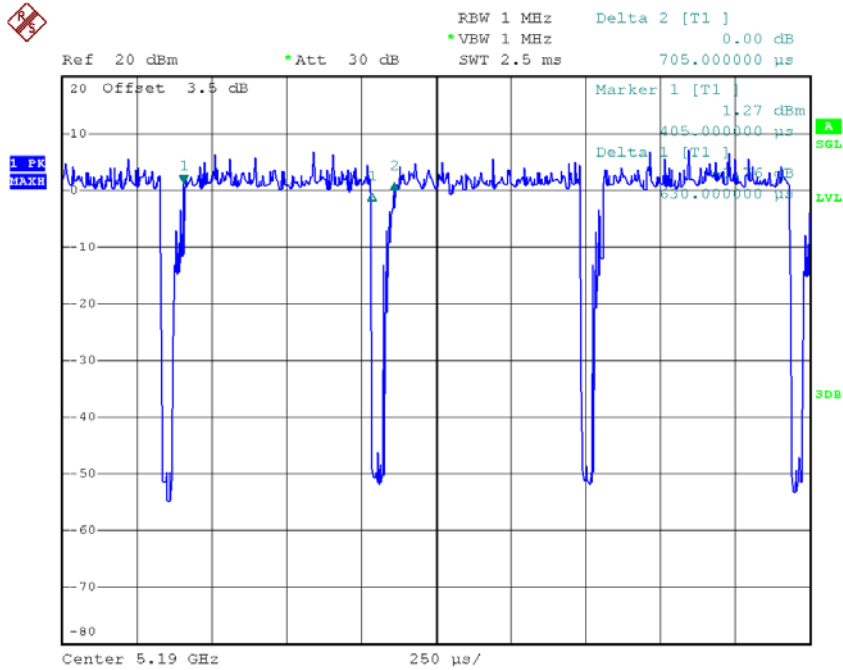
T_{ON} : 0.63 msec

T_{Total} : 0.70 msec

Duty cycle: 90.00%

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

Duty Factor = 0.46



Date: 25.MAR.2017 17:47:02

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

TX AC80 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

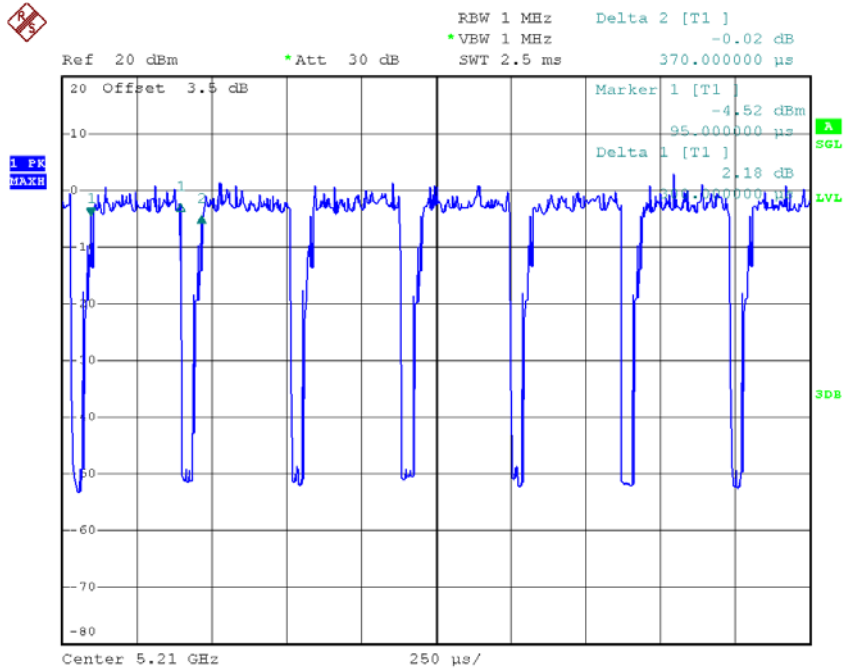
T_{ON} : 0.30 msec

T_{Total} : 0.37 msec

Duty cycle: 81.08%

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

Duty Factor = 0.91



Date: 25.MAR.2017 17:54:36

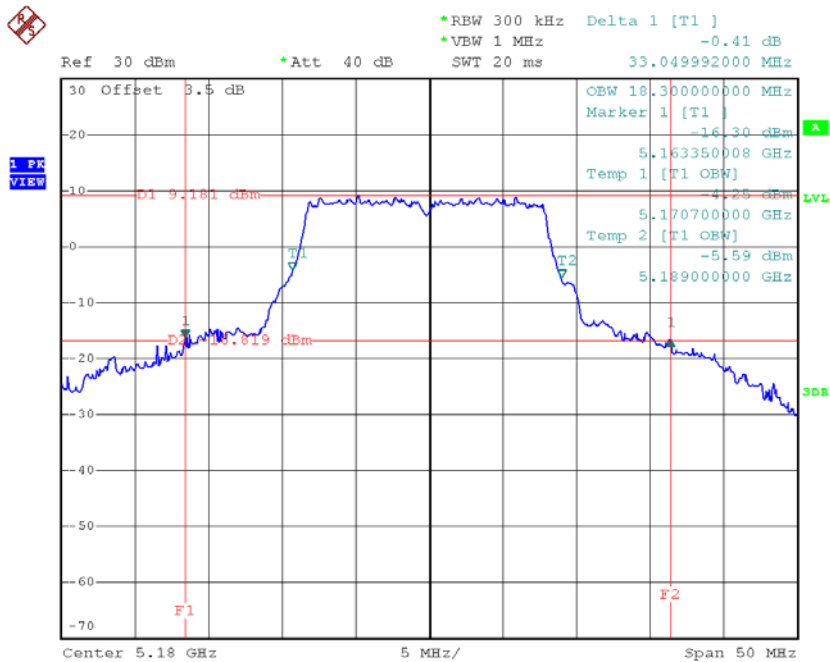
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducus factor
 Power Spectral Density = Measured density + Duty factor

ATTACHMENT E - BANDWIDTH

Test Mode: UNII-1/TX A Mode_CH36/CH40/CH48

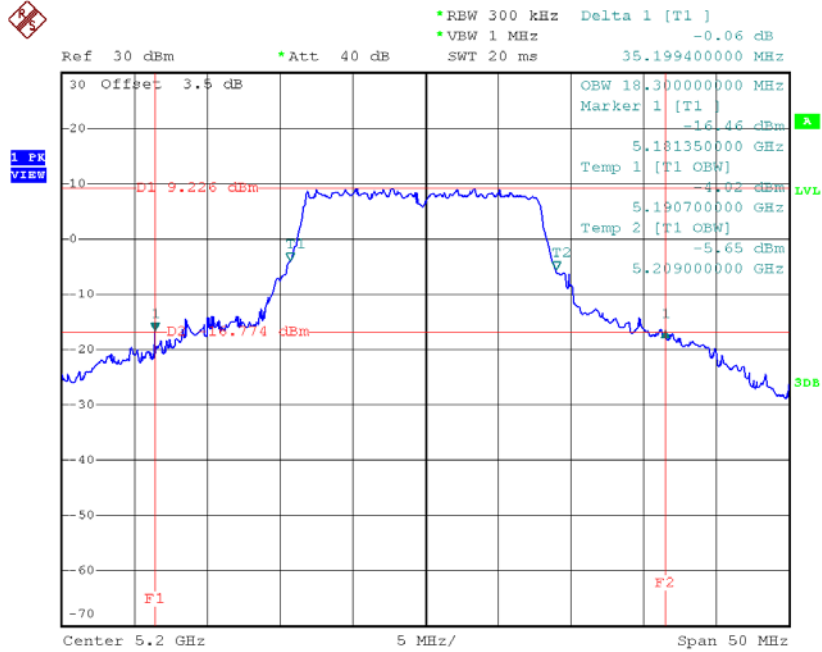
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	33.05	18.30
CH40	5200	35.20	18.30
CH48	5240	32.10	18.40

TX CH36



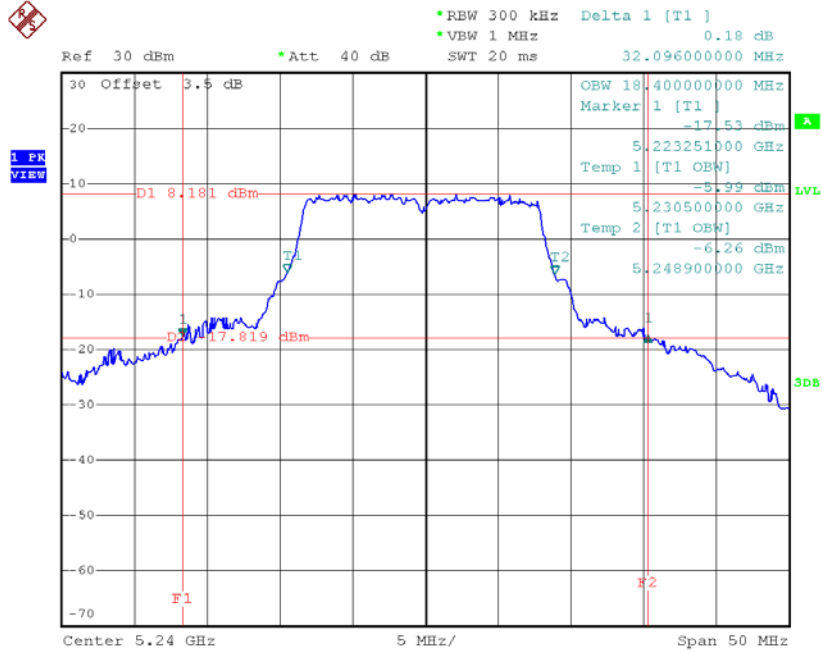
Date: 25.MAR.2017 17:03:07

TX CH40



Date: 25.MAR.2017 17:04:04

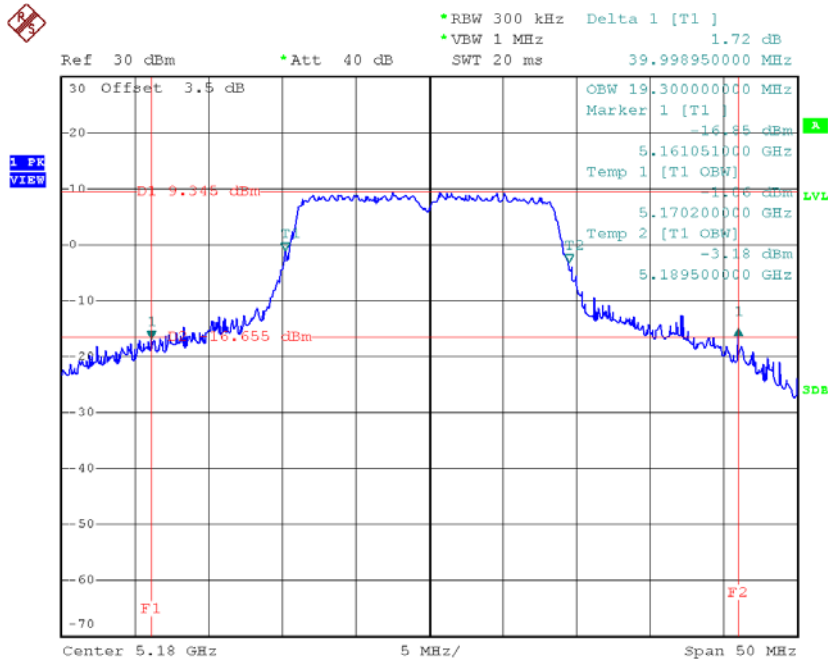
TX CH48



Date: 25.MAR.2017 17:04:46

Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	40.00	19.30
CH40	5200	41.40	19.50
CH48	5240	40.55	19.50

TX CH36


Date: 25.MAR.2017 17:13:12