FCC Radio Test Report

FCC ID: KA2AP1530A1

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

Project No.	:	1708C079
Equipment	:	DAP-1530 : AC750 Plus WiFi Range Extender DAP-1610 : AC1200 WiFi Range Extender
Test Model	:	DAP-1530
Series Model	:	DAP-1610
Applicant	:	D-LINK Corporation
Address	:	17595 Mt. Herrmann, Fountain Valley, California, United States 92708

Date of Receipt	:	Aug. 04, 2017 Jan. 04, 2018
Date of Test	:	Aug. 04, 2017 ~ Sep. 13, 2017
Issued Date	:	Jan. 26, 2018
Tested by	:	BTL Inc.

Testing Engineer : Shawn Xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

Authorized Signatory : Steven Lu
(Steven Lu)

BTL INC.

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

NVLAP® TESTING
NVLAP LAB CODE 200788-0

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL**shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

BTL's report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **BTL-self**, extracts from the test report shall not be reproduced except in full with **BTL**'s authorized written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

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.

Table of Contents Page

1 . CERTIFICATION 6

2 . SUMMARY OF TEST RESULTS 7

2.1 TEST FACILITY 8

2.2 MEASUREMENT UNCERTAINTY 8

3 . GENERAL INFORMATION 9

3.1 GENERAL DESCRIPTION OF EUT 9

3.2 DESCRIPTION OF TEST MODES 11

3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING 13

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED 15

3.5 DESCRIPTION OF SUPPORT UNITS 15

4 . EMC EMISSION TEST 16

4.1 CONDUCTED EMISSION MEASUREMENT 16

4.1.1 POWER LINE CONDUCTED EMISSION 16

4.1.2 TEST PROCEDURE 16

4.1.3 DEVIATION FROM TEST STANDARD 16

4.1.4 TEST SETUP 17

4.1.5 EUT OPERATING CONDITIONS 17

4.1.6 EUT TEST CONDITIONS 17

4.1.7 TEST RESULTS 17

4.2 RADIATED EMISSION MEASUREMENT 18

4.2.1 RADIATED EMISSION LIMITS 18

4.2.2 TEST PROCEDURE 19

4.2.3 DEVIATION FROM TEST STANDARD 19

4.2.4 TEST SETUP 19

4.2.5 EUT OPERATING CONDITIONS 20

4.2.6 EUT TEST CONDITIONS 20

4.2.7 TEST RESULTS (9K TO 30MHz) 21

4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHz) 21

4.2.9 TEST RESULTS (ABOVE 1000 MHz) 21

5 . 26dB SPECTRUM BANDWIDTH 22

5.1 APPLIED PROCEDURES / LIMIT 22

5.1.1 TEST PROCEDURE 22

5.1.2 DEVIATION FROM STANDARD 22

5.1.3 TEST SETUP 22

5.1.4 EUT OPERATION CONDITIONS 22

5.1.5 EUT TEST CONDITIONS 23

5.1.6 TEST RESULTS 23

6 . MAXIMUM CONDUCTED OUTPUT POWER 24

Table of Contents Page

6.1 APPLIED PROCEDURES / LIMIT 24
6.1.1 TEST PROCEDURE 24
6.1.2 DEVIATION FROM STANDARD 25
6.1.3 TEST SETUP 25
6.1.4 EUT OPERATION CONDITIONS 25
6.1.5 EUT TEST CONDITIONS 25
6.1.6 TEST RESULTS 25

7 . POWER SPECTRAL DENSITY TEST 26

7.1 APPLIED PROCEDURES / LIMIT 26
8.1.1 TEST PROCEDURE 26
7.1.1 DEVIATION FROM STANDARD 27
7.1.2 TEST SETUP 27
7.1.3 EUT OPERATION CONDITIONS 27
7.1.4 EUT TEST CONDITIONS 27
7.1.5 TEST RESULTS 27

8 . FREQUENCY STABILITY MEASUREMENT 28

8.1 APPLIED PROCEDURES / LIMIT 28
8.1.1 TEST PROCEDURE 28
8.1.2 DEVIATION FROM STANDARD 28
8.1.3 TEST SETUP 29
8.1.4 EUT OPERATION CONDITIONS 29
8.1.5 EUT TEST CONDITIONS 29
8.1.6 TEST RESULTS 29

9 . MEASUREMENT INSTRUMENTS LIST 30

10 . EUT TEST PHOTOS 32

APPENDIX A - CONDUCTED EMISSION 36

APPENDIX B - RADIATED EMISSION (9KHZ TO 30MHZ) 39

APPENDIX C - RADIATED EMISSION (30MHZ TO 1000MHZ) 44

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ) 57

APPENDIX E - BANDWIDTH 176

APPENDIX F - MAXIMUM OUTPUT POWER 199

APPENDIX G - POWER SPECTRAL DENSITY 212

APPENDIX H - FREQUENCY STABILITY 269

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1708C079	Original Report.	Sep. 13, 2017
BTL-FCCP-4-1708C079	Compared with previous report (BTL-FCCP-2-1708C079), only the heat sink of the product is updated, all test items are verified and found no test data is worse, thus all test results are kept as same.	Jan. 26, 2018

1. CERTIFICATION

Equipment	:	DAP-1530 : AC750 Plus WiFi Range Extender DAP-1610 : AC1200 WiFi Range Extender
Brand Name	:	D-LINK
Test Model	:	DAP-1530
Series Model	:	DAP-1610
Applicant	:	D-LINK Corporation
Manufacturer	:	D-LINK Corporation
Address	:	17595 Mt. Herrmann, Fountain Valley, California, United States 92708
Factory	:	Huizhou MTN WEIYE Technology Development Co.,Ltd
Address	:	No.2 Huitai Road, Huinan High-tech Industrial Park, Huiao Avenue,Huizhou City,Guangdong Province,China.
Date of Test	:	Aug. 04, 2017 ~ Sep. 13, 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-4-1708C079) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's test firm number for FCC: 854385

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 ± 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

<table>
<tr><td>Equipment</td><td colspan="2">DAP-1530 : AC750 Plus WiFi Range Extender
DAP-1610 : AC1200 WiFi Range Extender</td></tr>
<tr><td>Brand Name</td><td colspan="2">D-LINK</td></tr>
<tr><td>Test Model</td><td colspan="2">DAP-1530</td></tr>
<tr><td>Series Model</td><td colspan="2">DAP-1610</td></tr>
<tr><td>Model Difference</td><td colspan="2">Only different as below:
<table>
<tr><td>Model Name</td><td>Product name</td></tr>
<tr><td>DAP-1530</td><td>AC750 Plus WiFi Range Extender</td></tr>
<tr><td>DAP-1610</td><td>AC1200 WiFi Range Extender</td></tr>
</table></td></tr>
<tr><td rowspan="5">Product Description</td><td>Operation Frequency</td><td>UNII-1: 5150-5250MHz
UNII-3: 5725-5850MHz</td></tr>
<tr><td>Modulation Type</td><td>OFDM</td></tr>
<tr><td>Bit Rate of Transmitter</td><td>866Mbps</td></tr>
<tr><td>Output Power (Max.)for UNII-1</td><td>802.11a: 17.92dBm
802.11n (20M): 15.51dBm
802.11n (40M): 15.24dBm
802.11ac (20M): 13.57dBm
802.11ac (40M): 15.64dBm
802.11ac (80M): 15.72dBm</td></tr>
<tr><td>Output Power (Max.)for UNII-3</td><td>802.11a: 17.88dBm
802.11n (20M): 15.61dBm
802.11n (40M): 15.26dBm
802.11ac (20M): 13.65dBm
802.11ac (40M): 15.61dBm
802.11ac (80M): 15.71dBm</td></tr>
<tr><td>Power Source</td><td colspan="2">AC Mains</td></tr>
<tr><td>Power Rating</td><td colspan="2">I/P: AC 100-240V 0.3A Max O/P: DC 12V 0.6A</td></tr>
</table>

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. Table for Filed Antenna

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

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

4.

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

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

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

Note:

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

3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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

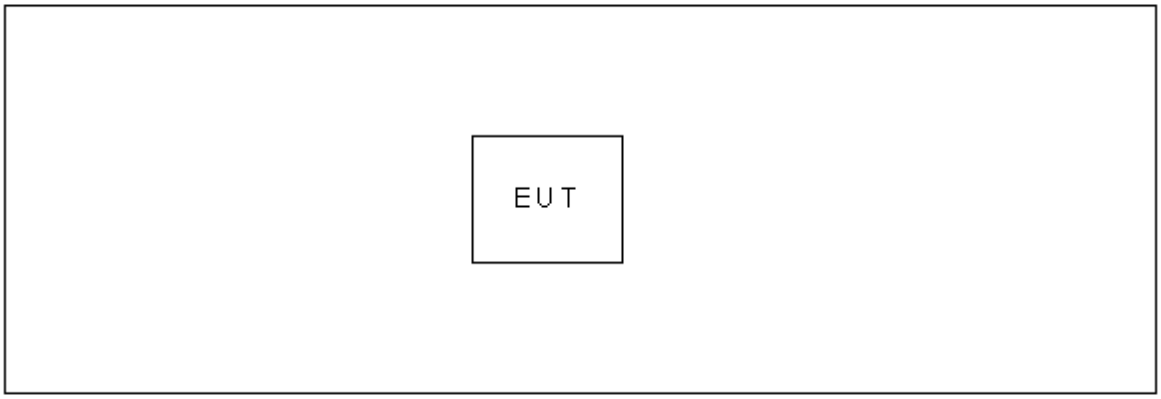
UNII-1			
Test Software Version	MT76xxE_AP		
Frequency (MHz)	5180	5200	5240
A Mode	10	12	0C
Frequency (MHz)	5180	5200	5240
N20 Mode	10	10	0F
Frequency (MHz)	5190	5230	
N40 Mode	0F	0E	

UNII-1			
Test Software Version	MT76xxE_AP		
Frequency (MHz)	5180	5200	5240
AC20 Mode	13	13	13
Frequency (MHz)	5190	5230	
AC40 Mode	14	13	
Frequency (MHz)	5210		
AC80 Mode	15		

UNII-3			
Test Software Version	MT76xxE_AP		
Frequency (MHz)	5745	5785	5825
A Mode	18	19	1A
Frequency (MHz)	5745	5785	5825
N20 Mode	16	17	18
Frequency (MHz)	5755	5795	
N40 Mode	14	15	

UNII-3			
Test Software Version	MT76xxE_AP		
Frequency (MHz)	5745	5785	5825
AC20 Mode	19	1A	1B
Frequency (MHz)	5755	5795	
AC40 Mode	1B	1C	
Frequency (MHz)	5775		
AC80 Mode	1D		

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
-	-	-	-	-

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.1.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

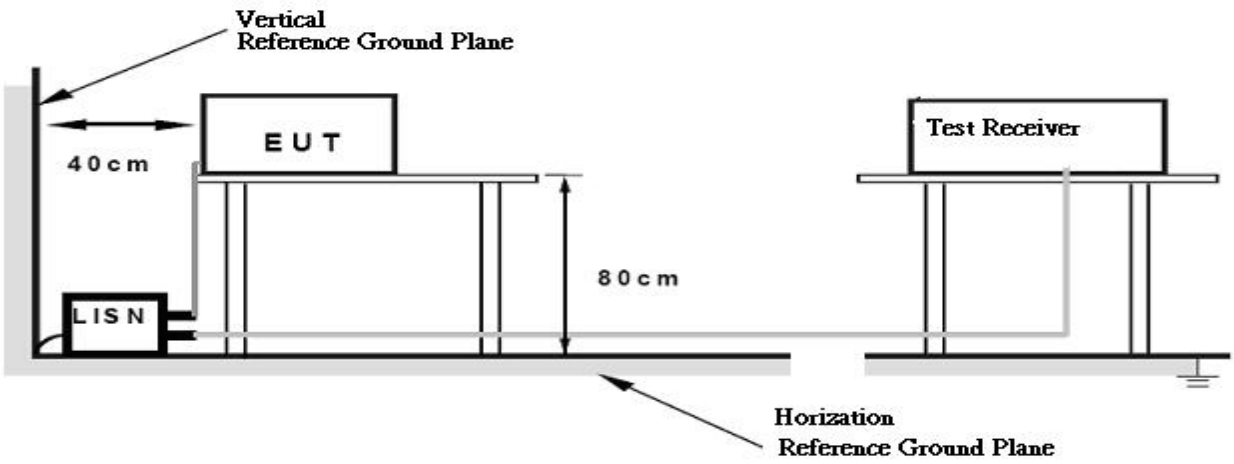
d. LISN at least 80 cm from nearest part of EUT chassis.

e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Appendix A.

Remark:

(1) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform。In this case, a " * " marked in AVG Mode column of Interference Voltage Measured。

(2) Measuring frequency range from 150kHz to 30MHz。

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

Note:

1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E = \frac{1000000\sqrt{30P}}{3}$ μV/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 theband 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 orbelow 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

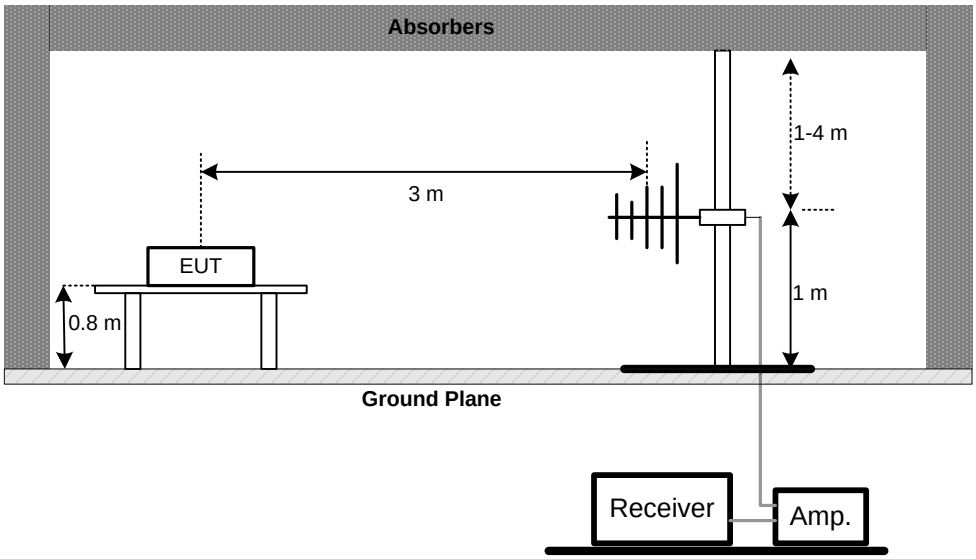
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

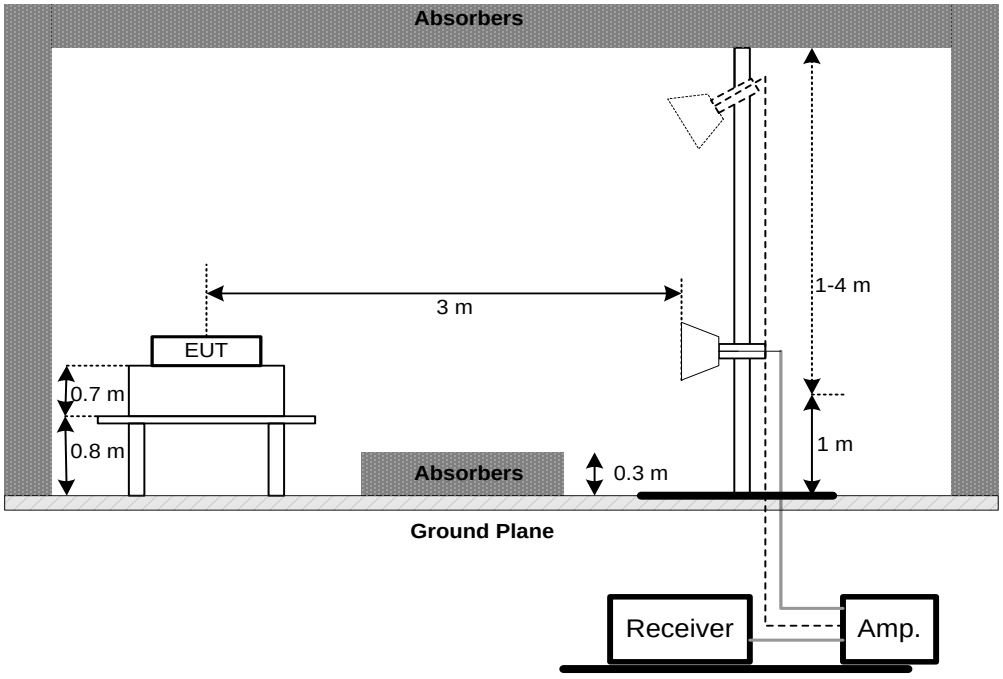
No deviation

4.2.4 TEST SETUP

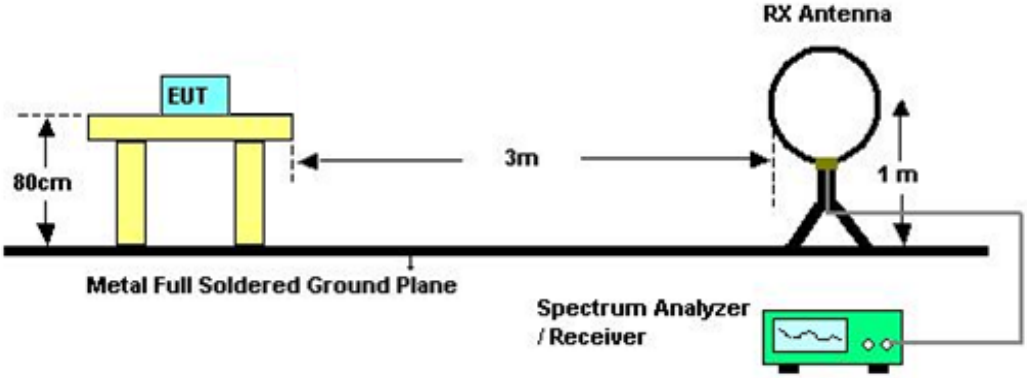
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



(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 Appendix B

Remark:

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

4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHz)

Please refer to the Appendix C.

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Appendix D.

Remark:

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

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

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

5.1.1 TEST PROCEDURE

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

b.

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

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Appendix E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Conducted Output Power	Fixed:1 Watt (30dBm) Mobile and portable: 250mW (24dBm)	5150-5250	PASS
	1 Watt (30dBm)	5725-5850	PASS
Note: The maximum e.i.r.p at 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.

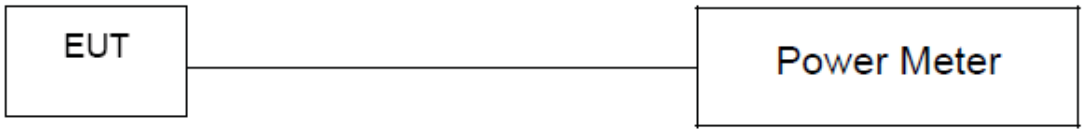
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	⩾ 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Appendix F.

7. POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

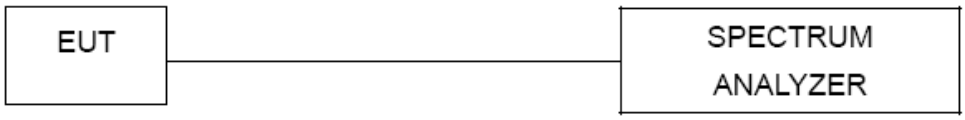
Note:

1. 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.
2. The value measured with RBW=1MHz is to be added with 10log(500kHz/1MHz) which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

7.1.1 DEVIATION FROM STANDARD

No deviation.

7.1.2 TEST SETUP



7.1.3 EUT OPERATION CONDITIONS

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

7.1.4 EUT TEST CONDITIONS

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

7.1.5 TEST RESULTS

Please refer to the Appendix H.

8. FREQUENCY STABILITY MEASUREMENT

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

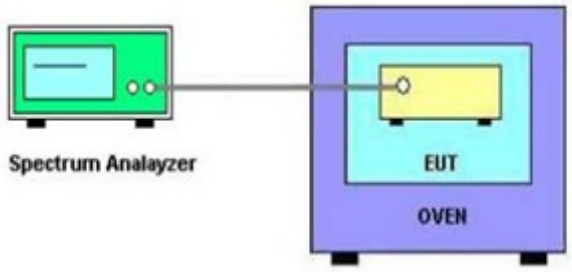
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is 0°C~40°C.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Appendix I.

9. MEASUREMENT INSTRUMENTS LIST

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

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

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

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

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

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

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

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

10. EUT TEST PHOTOS

Conducted Measurement Photos

Radiated Measurement Photos

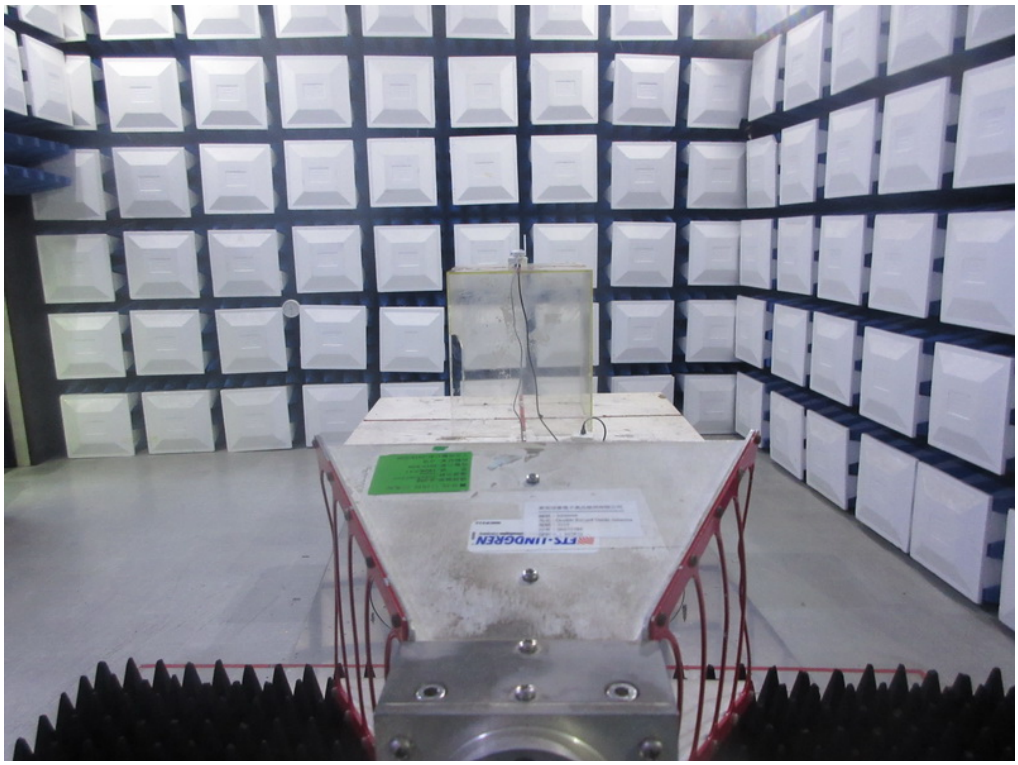
9kHz to 30MHz

Radiated Measurement Photos

30MHz to 1000MHz

Radiated Measurement Photos

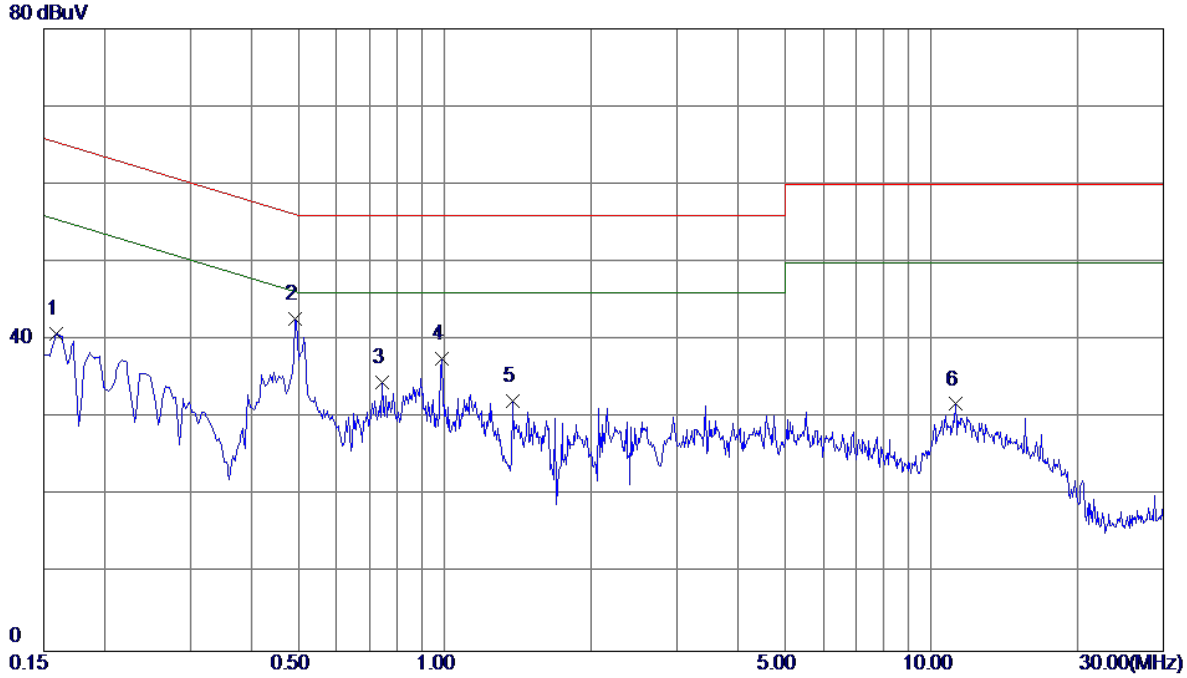
Above 1000MHz



APPENDIX A - CONDUCTED EMISSION

Test Mode:	TX Mode

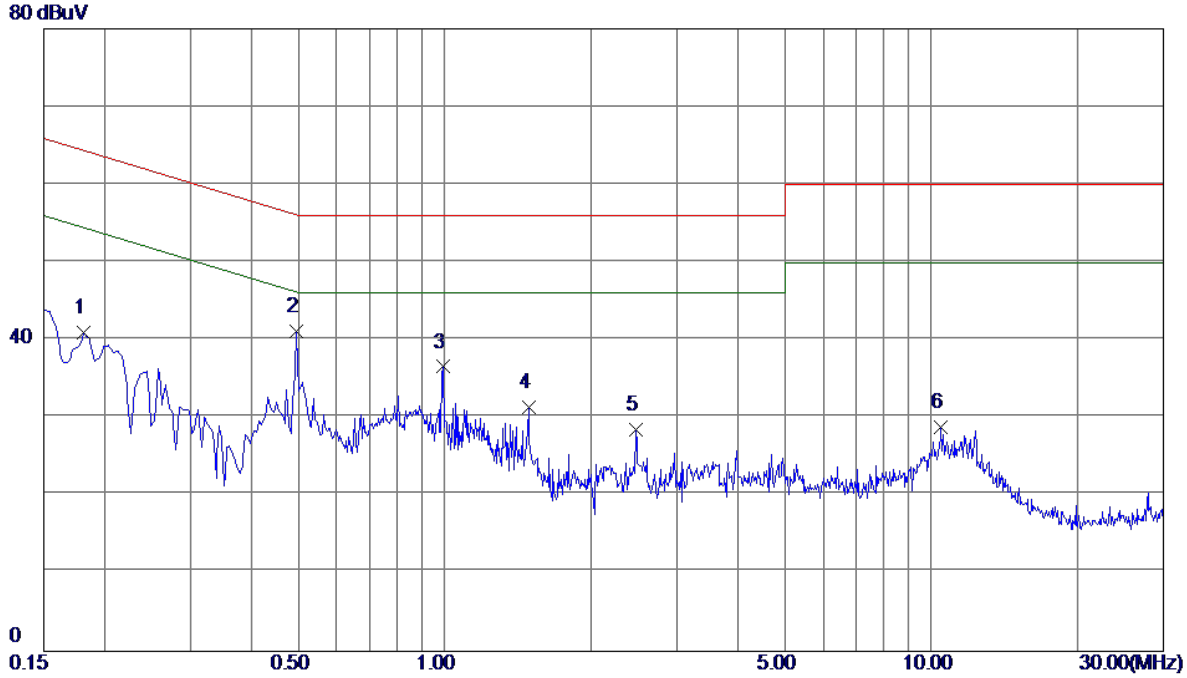
Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1590	31.05	9.79	40.84	65.52	-24.68	Peak	
2 *	0.4920	32.93	9.80	42.73	56.13	-13.40	Peak	
3	0.7440	24.80	9.82	34.62	56.00	-21.38	Peak	
4	0.9870	27.79	9.84	37.63	56.00	-18.37	Peak	
5	1.3785	22.23	9.89	32.12	56.00	-23.88	Peak	
6	11.2514	21.37	10.39	31.76	60.00	-28.24	Peak	

Test Mode:	TX Mode

Neutral

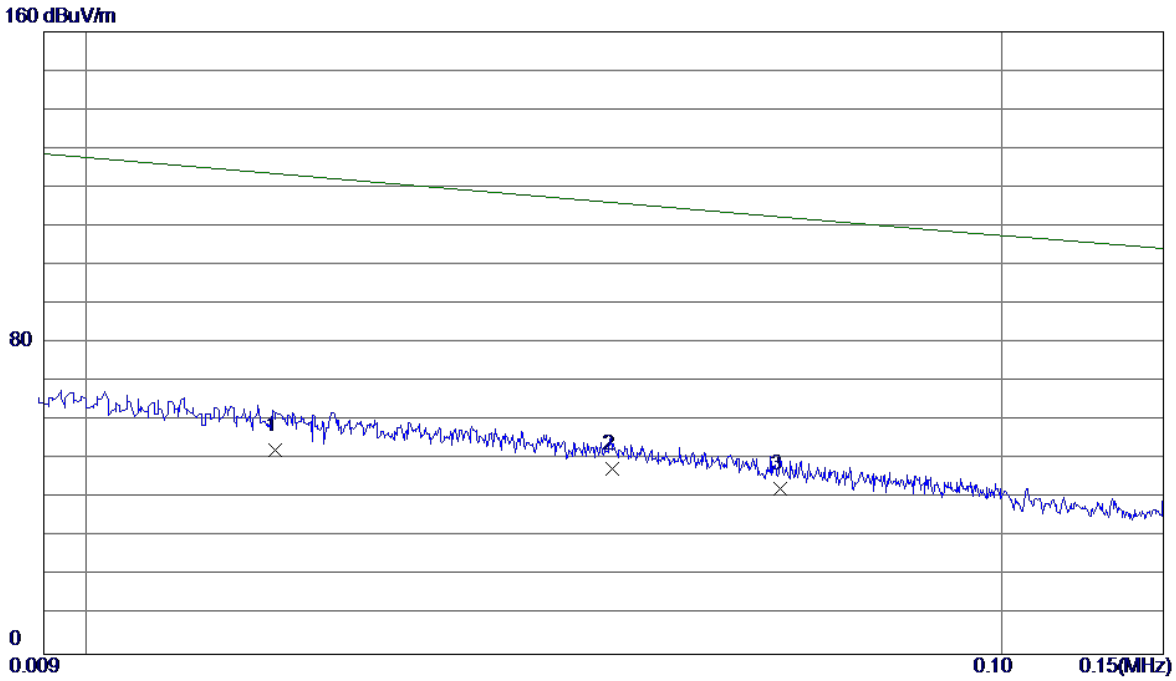


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1815	31.26	9.68	40.94	64.42	-23.48	Peak	
2 *	0.4965	31.43	9.70	41.13	56.06	-14.93	Peak	
3	0.9915	26.81	9.75	36.56	56.00	-19.44	Peak	
4	1.4865	21.60	9.78	31.38	56.00	-24.62	Peak	
5	2.4720	18.68	9.86	28.54	56.00	-27.46	Peak	
6	10.4685	18.43	10.30	28.73	60.00	-31.27	Peak	

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

Test Mode:	TX Mode

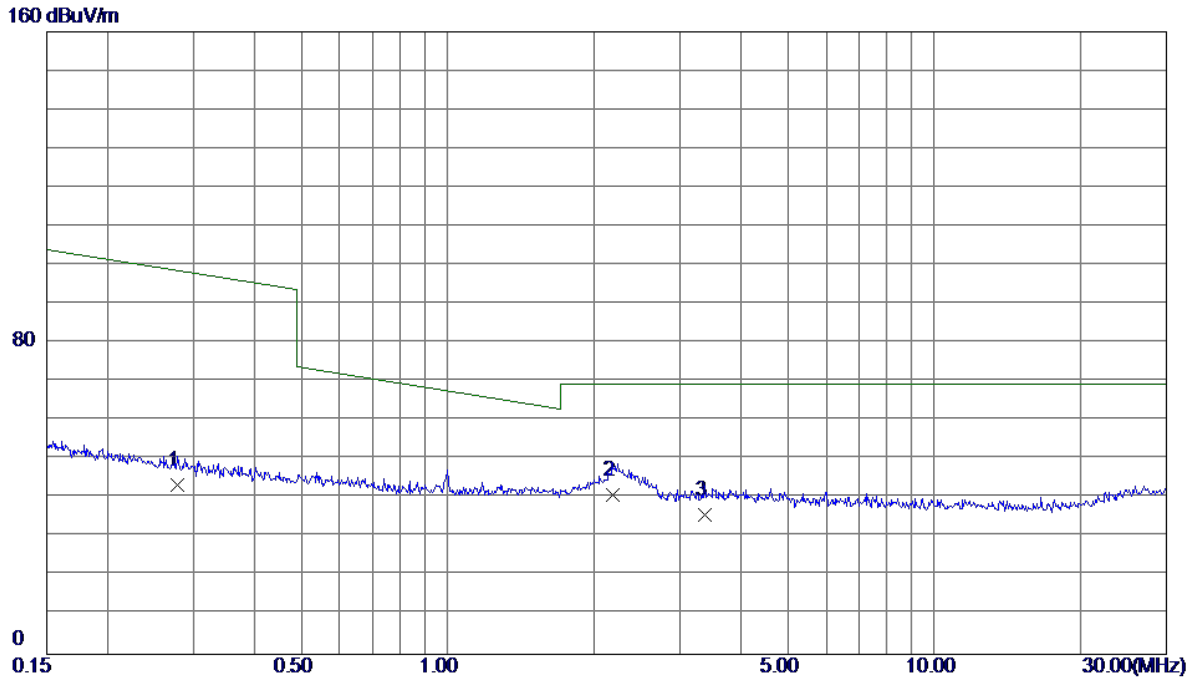
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0161	32.48	20.13	52.61	126.74	-74.13	AVG	
2 *	0.0375	28.73	19.10	47.83	121.46	-73.63	AVG	
3	0.0573	23.96	18.58	42.54	116.57	-74.03	AVG	

Test Mode:	TX Mode

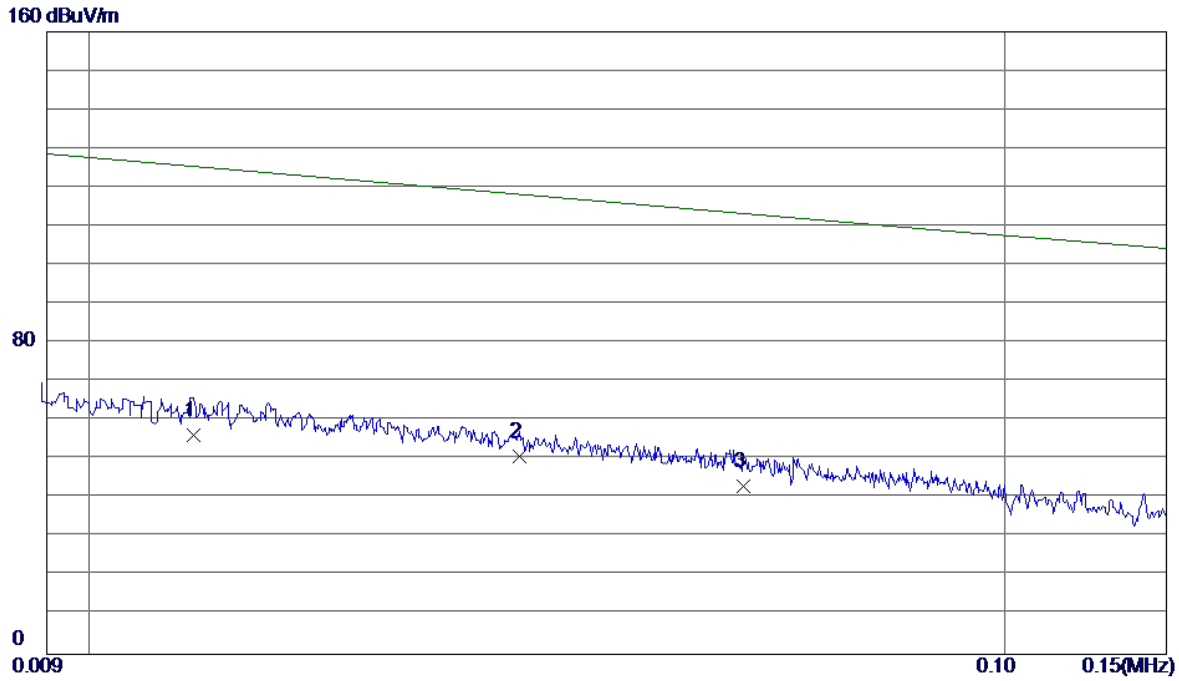
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.2788	26.88	16.63	43.51	101.01	-57.50	AVG	
2 *	2.1783	25.49	15.46	40.95	69.54	-28.59	QP	
3	3.3814	20.68	15.12	35.80	69.54	-33.74	QP	

Test Mode:	TX Mode

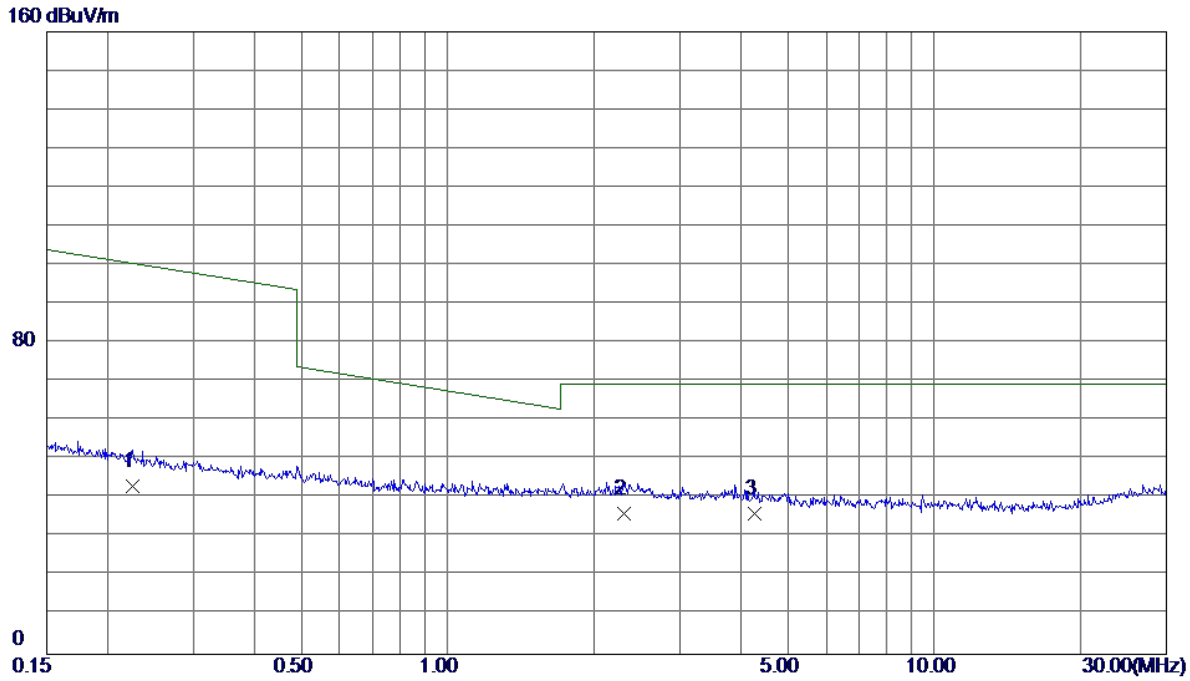
Ant 90°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0130	35.68	20.53	56.21	127.51	-71.30	AVG	
2	0.0295	31.57	19.34	50.91	123.43	-72.52	AVG	
3	0.0519	24.62	18.69	43.31	117.90	-74.59	AVG	

Test Mode:	TX Mode

Ant 90°

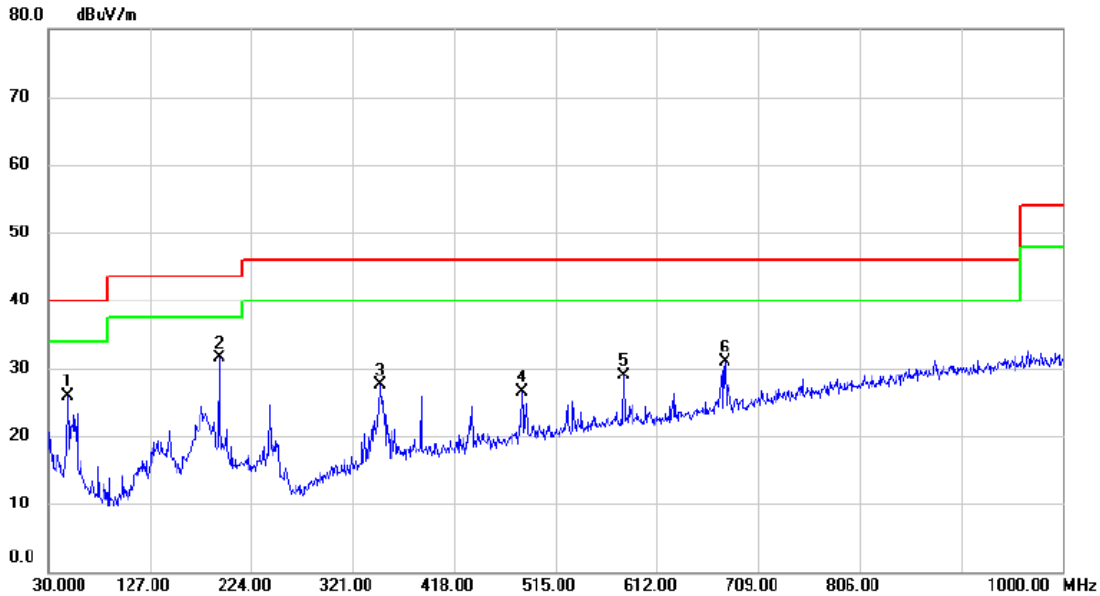


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.2256	26.47	16.73	43.20	102.83	-59.63	AVG	
2	2.3090	20.60	15.42	36.02	69.54	-33.52	QP	
3 *	4.2692	21.47	14.79	36.26	69.54	-33.28	QP	

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

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

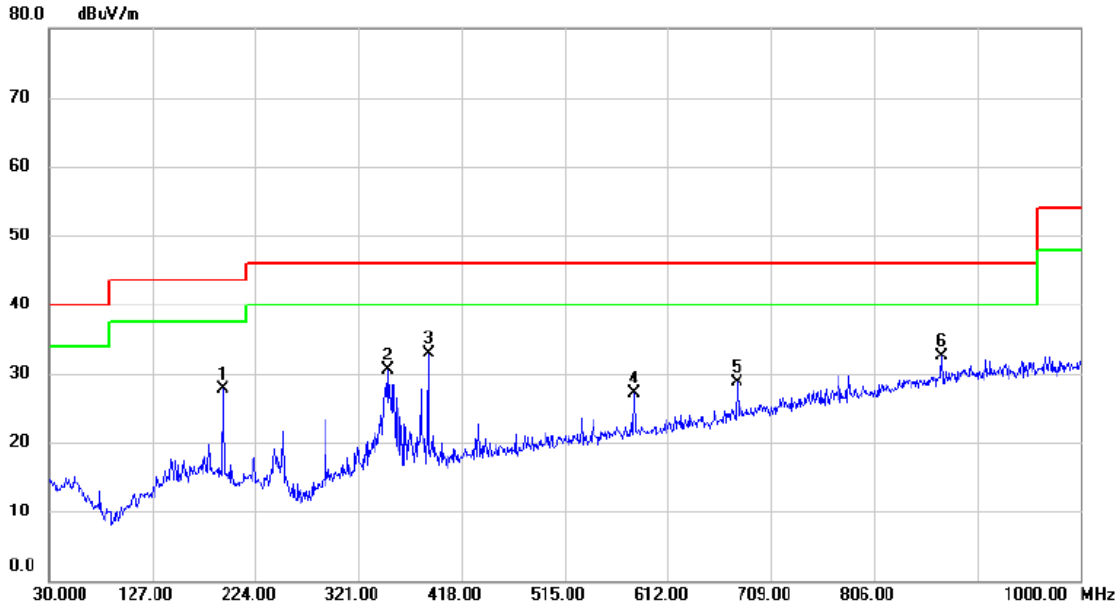
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		48.430	39.19	-13.28	25.91	40.00	-14.09	peak	
2	*	192.960	44.63	-13.12	31.51	43.50	-11.99	peak	
3		347.190	39.52	-12.00	27.52	46.00	-18.48	peak	
4		482.990	35.64	-9.13	26.51	46.00	-19.49	peak	
5		579.990	35.83	-6.93	28.90	46.00	-17.10	peak	
6		676.990	35.55	-4.65	30.90	46.00	-15.10	peak	

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

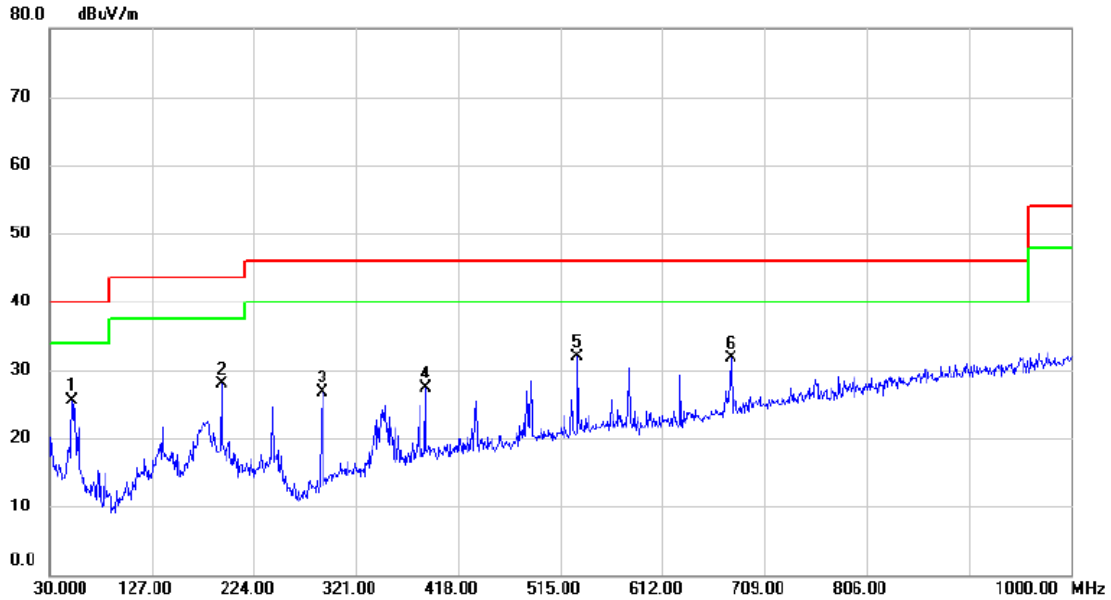
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		192.960	40.76	-13.12	27.64	43.50	-15.86	peak	
2		348.160	42.43	-11.99	30.44	46.00	-15.56	peak	
3	*	386.960	44.35	-11.51	32.84	46.00	-13.16	peak	
4		579.990	34.01	-6.93	27.08	46.00	-18.92	peak	
5		676.990	33.41	-4.65	28.76	46.00	-17.24	peak	
6		870.020	32.14	0.41	32.55	46.00	-13.45	peak	

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

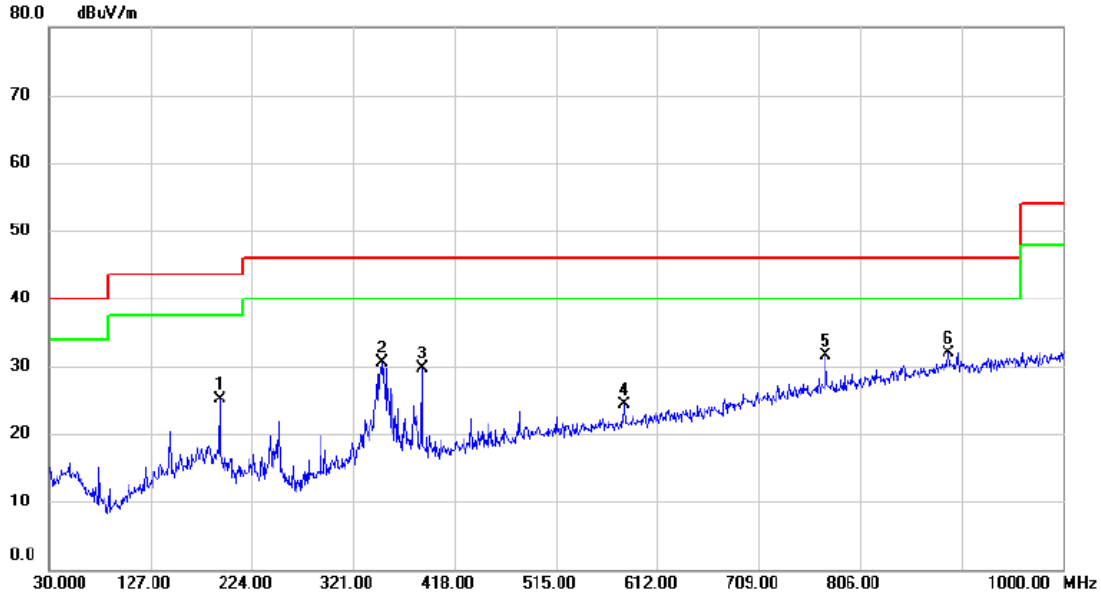
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		51.340	39.23	-13.70	25.53	40.00	-14.47	peak	
2		192.960	40.99	-13.12	27.87	43.50	-15.63	peak	
3		288.990	40.96	-14.26	26.70	46.00	-19.30	peak	
4		386.960	38.87	-11.51	27.36	46.00	-18.64	peak	
5	*	531.490	39.95	-8.08	31.87	46.00	-14.13	peak	
6		676.990	36.42	-4.65	31.77	46.00	-14.23	peak	

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

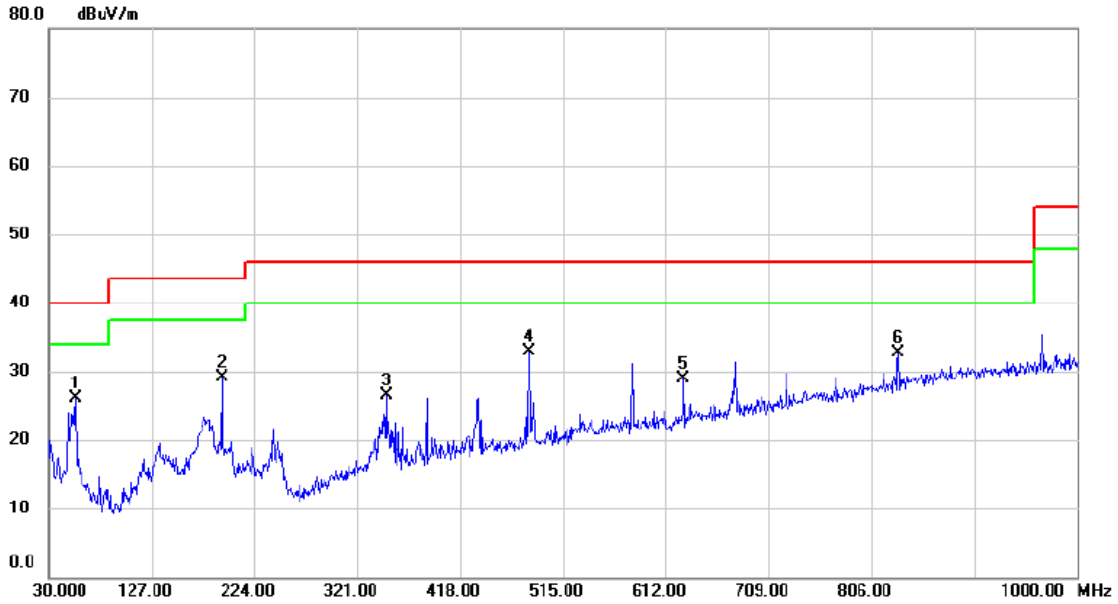
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		192.960	38.13	-13.12	25.01	43.50	-18.49	peak	
2		348.160	42.51	-11.99	30.52	46.00	-15.48	peak	
3		386.960	41.29	-11.51	29.78	46.00	-16.22	peak	
4		579.990	31.21	-6.93	24.28	46.00	-21.72	peak	
5		773.020	33.41	-1.95	31.46	46.00	-14.54	peak	
6	*	890.390	31.11	0.84	31.95	46.00	-14.05	peak	

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

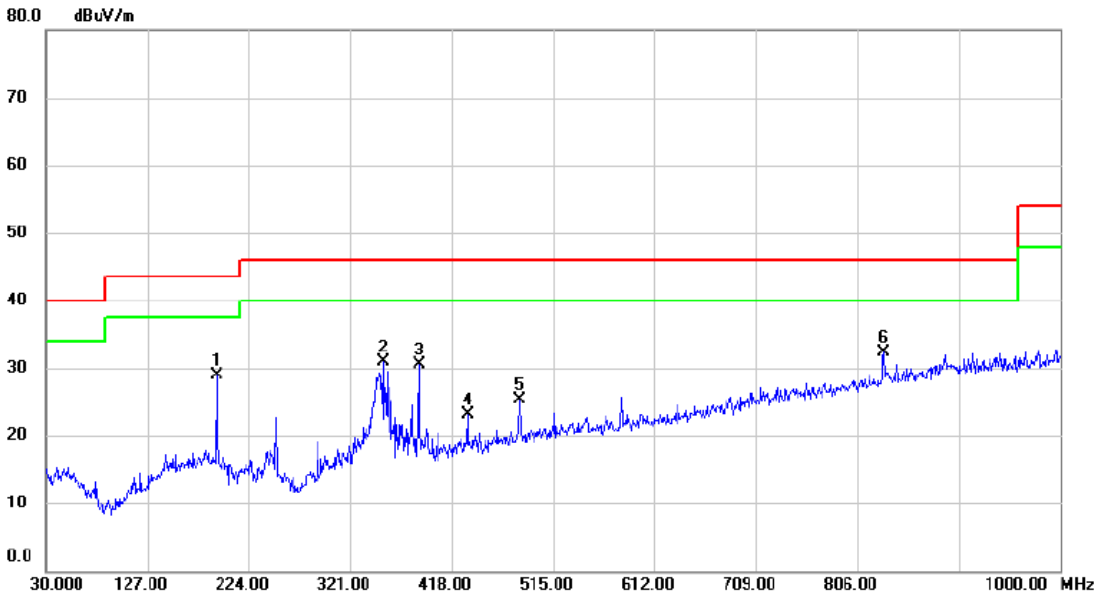
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		55.220	39.97	-13.94	26.03	40.00	-13.97	peak	
2		192.960	42.28	-13.12	29.16	43.50	-14.34	peak	
3		348.160	38.46	-11.99	26.47	46.00	-19.53	peak	
4	*	482.990	41.94	-9.13	32.81	46.00	-13.19	peak	
5		628.490	34.70	-5.88	28.82	46.00	-17.18	peak	
6		831.220	33.22	-0.52	32.70	46.00	-13.30	peak	

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

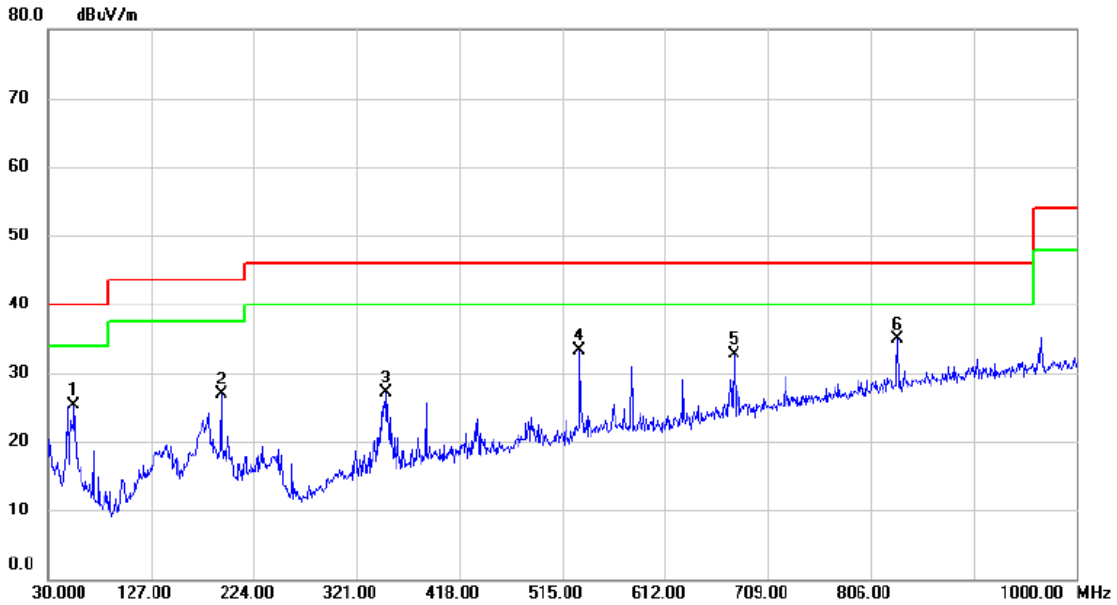
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		192.960	42.12	-13.12	29.00	43.50	-14.50	peak	
2		352.040	42.85	-11.93	30.92	46.00	-15.08	peak	
3		386.960	42.10	-11.51	30.59	46.00	-15.41	peak	
4		433.520	33.59	-10.41	23.18	46.00	-22.82	peak	
5		482.990	34.52	-9.13	25.39	46.00	-20.61	peak	
6	*	831.220	32.92	-0.52	32.40	46.00	-13.60	peak	

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

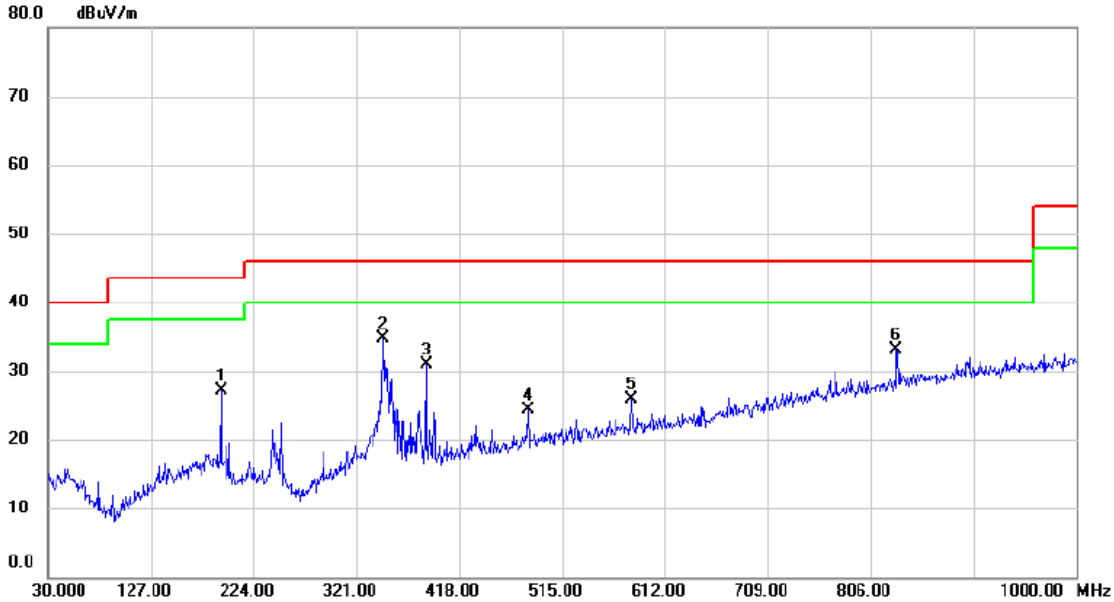
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		54.250	39.18	-13.95	25.23	40.00	-14.77	peak	
2		192.960	40.06	-13.12	26.94	43.50	-16.56	peak	
3		348.160	39.11	-11.99	27.12	46.00	-18.88	peak	
4		531.490	41.32	-8.08	33.24	46.00	-12.76	peak	
5		676.990	37.42	-4.65	32.77	46.00	-13.23	peak	
6	*	831.220	35.34	-0.52	34.82	46.00	-11.18	peak	

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

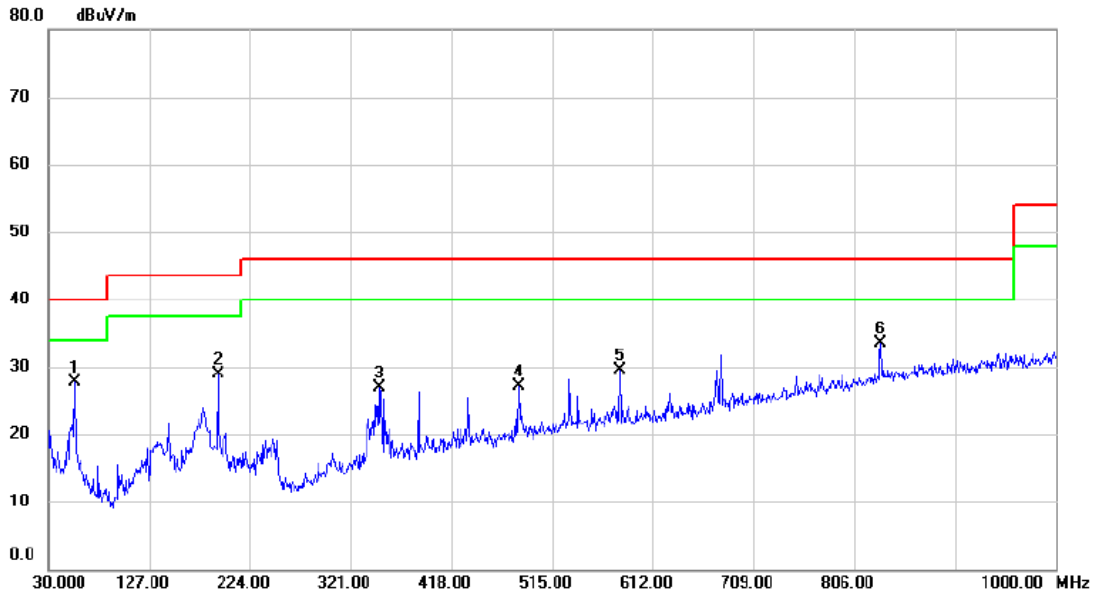
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		192.960	40.21	-13.12	27.09	43.50	-16.41	peak	
2	*	346.220	46.66	-12.03	34.63	46.00	-11.37	peak	
3		386.960	42.44	-11.51	30.93	46.00	-15.07	peak	
4		482.990	33.53	-9.13	24.40	46.00	-21.60	peak	
5		579.990	32.85	-6.93	25.92	46.00	-20.08	peak	
6		830.250	33.74	-0.54	33.20	46.00	-12.80	peak	

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

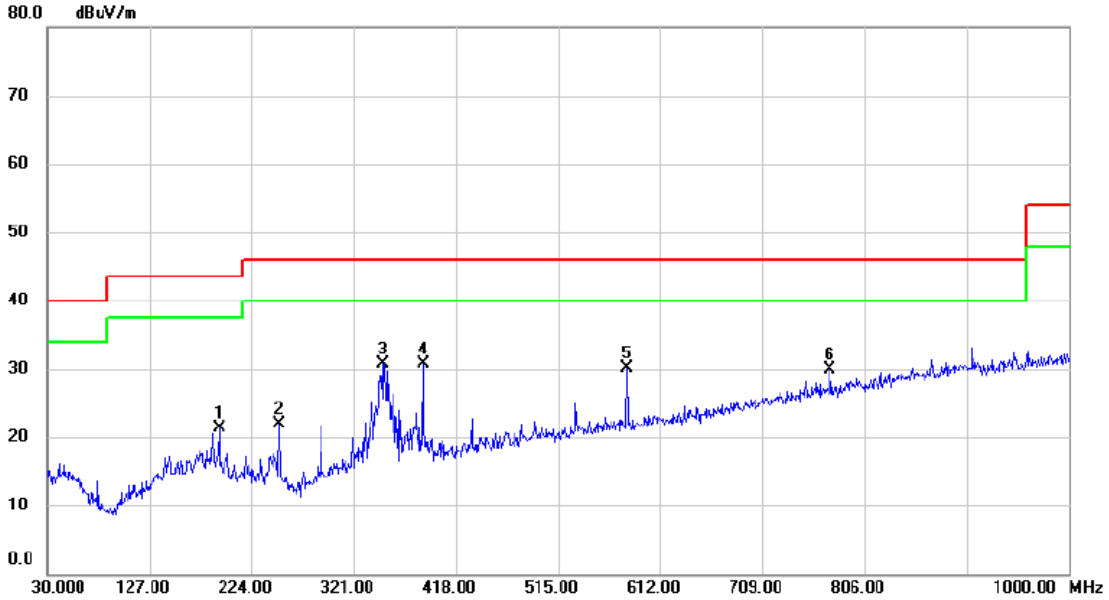
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	55.220	41.72	-13.94	27.78	40.00	-12.22	peak	
2		192.960	42.05	-13.12	28.93	43.50	-14.57	peak	
3		348.160	38.92	-11.99	26.93	46.00	-19.07	peak	
4		482.990	36.23	-9.13	27.10	46.00	-18.90	peak	
5		579.990	36.37	-6.93	29.44	46.00	-16.56	peak	
6		831.220	33.98	-0.52	33.46	46.00	-12.54	peak	

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

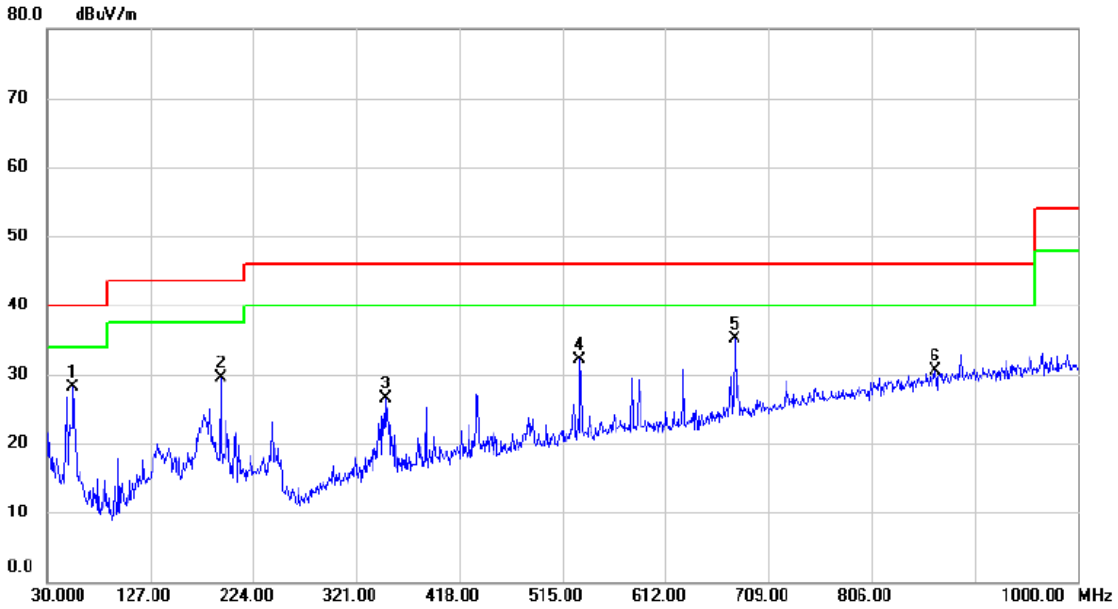
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		192.960	34.45	-13.12	21.33	43.50	-22.17	peak	
2		250.190	36.85	-14.90	21.95	46.00	-24.05	peak	
3	*	348.160	42.68	-11.99	30.69	46.00	-15.31	peak	
4		386.960	42.12	-11.51	30.61	46.00	-15.39	peak	
5		579.990	37.06	-6.93	30.13	46.00	-15.87	peak	
6		773.020	31.83	-1.95	29.88	46.00	-16.12	peak	

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

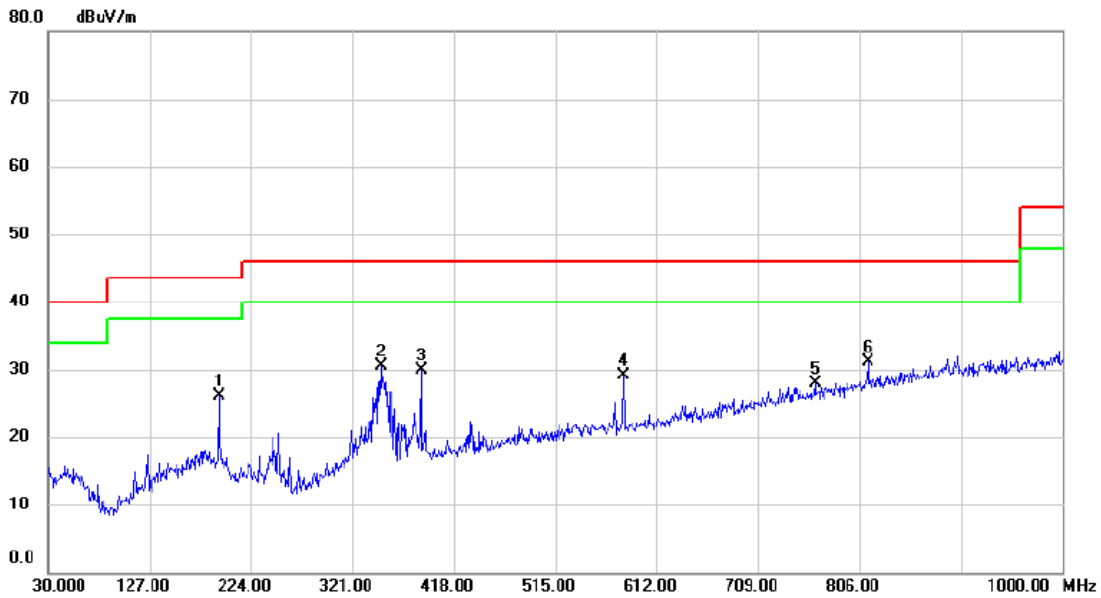
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		54.250	42.02	-13.95	28.07	40.00	-11.93	peak	
2		192.960	42.68	-13.12	29.56	43.50	-13.94	peak	
3		348.160	38.58	-11.99	26.59	46.00	-19.41	peak	
4		531.490	40.11	-8.08	32.03	46.00	-13.97	peak	
5	*	676.990	39.69	-4.65	35.04	46.00	-10.96	peak	
6		866.140	30.20	0.34	30.54	46.00	-15.46	peak	

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

Horizontal

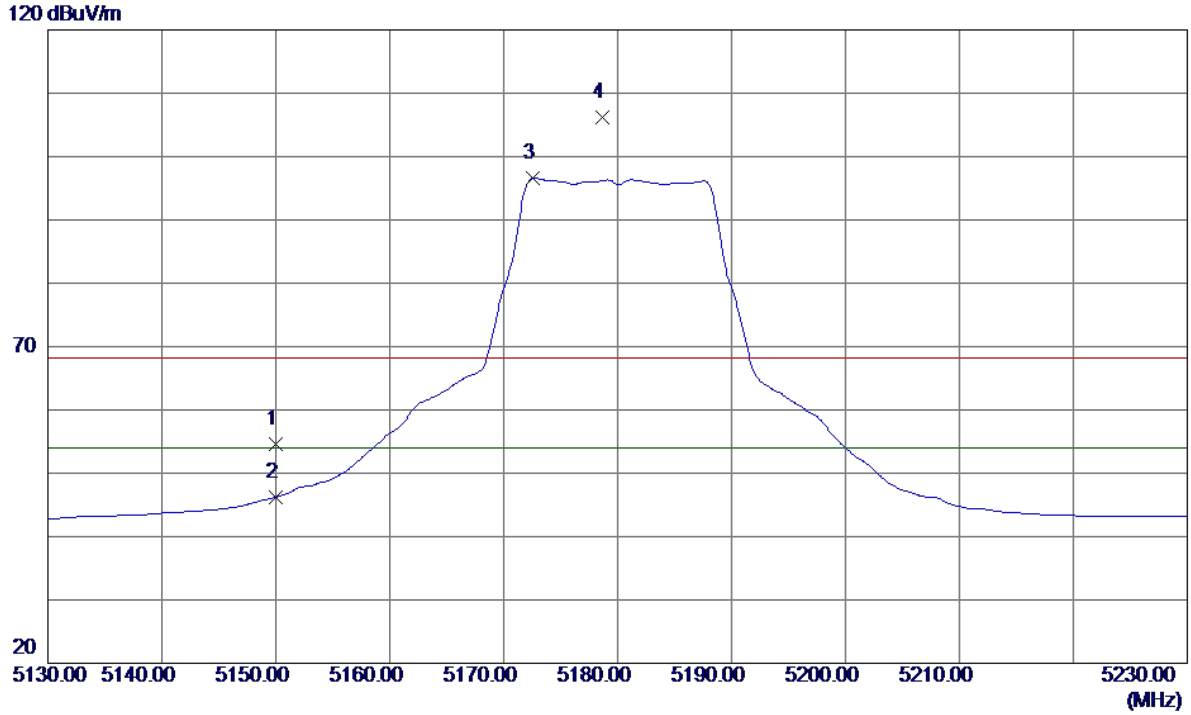


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		192.960	39.13	-13.12	26.01	43.50	-17.49	peak	
2		348.160	42.48	-11.99	30.49	46.00	-15.51	peak	
3		386.960	41.34	-11.51	29.83	46.00	-16.17	peak	
4		579.990	35.95	-6.93	29.02	46.00	-16.98	peak	
5		763.320	30.02	-2.16	27.86	46.00	-18.14	peak	
6	*	813.760	32.02	-0.98	31.04	46.00	-14.96	peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

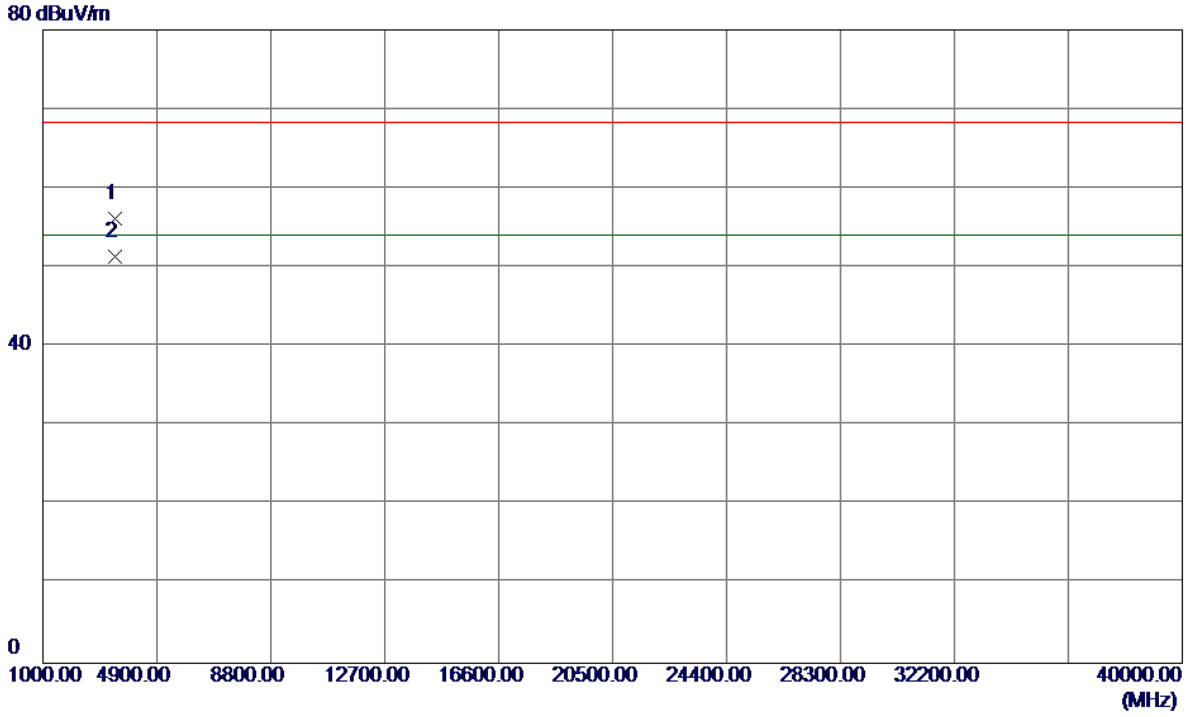
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	13.43	41.10	54.53	68.30	-13.77	Peak	
2	5150.0000	5.10	41.10	46.20	54.00	-7.80	AVG	
3 *	5172.6000	55.42	41.22	96.64	54.00	42.64	AVG	No Limit
4	5178.7000	64.91	41.25	106.16	68.30	37.86	Peak	No Limit

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

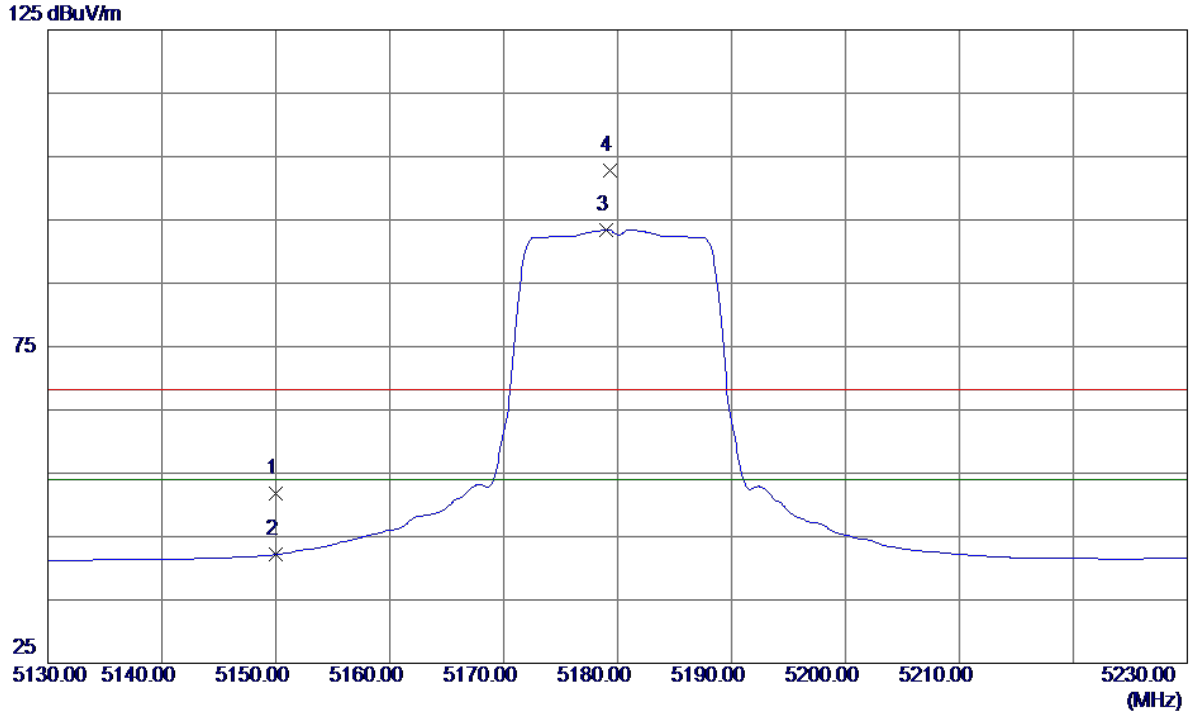
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3453.0740	53.18	2.96	56.14	68.30	-12.16	Peak	
2 *	3453.7770	48.46	2.96	51.42	54.00	-2.58	AVG	

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

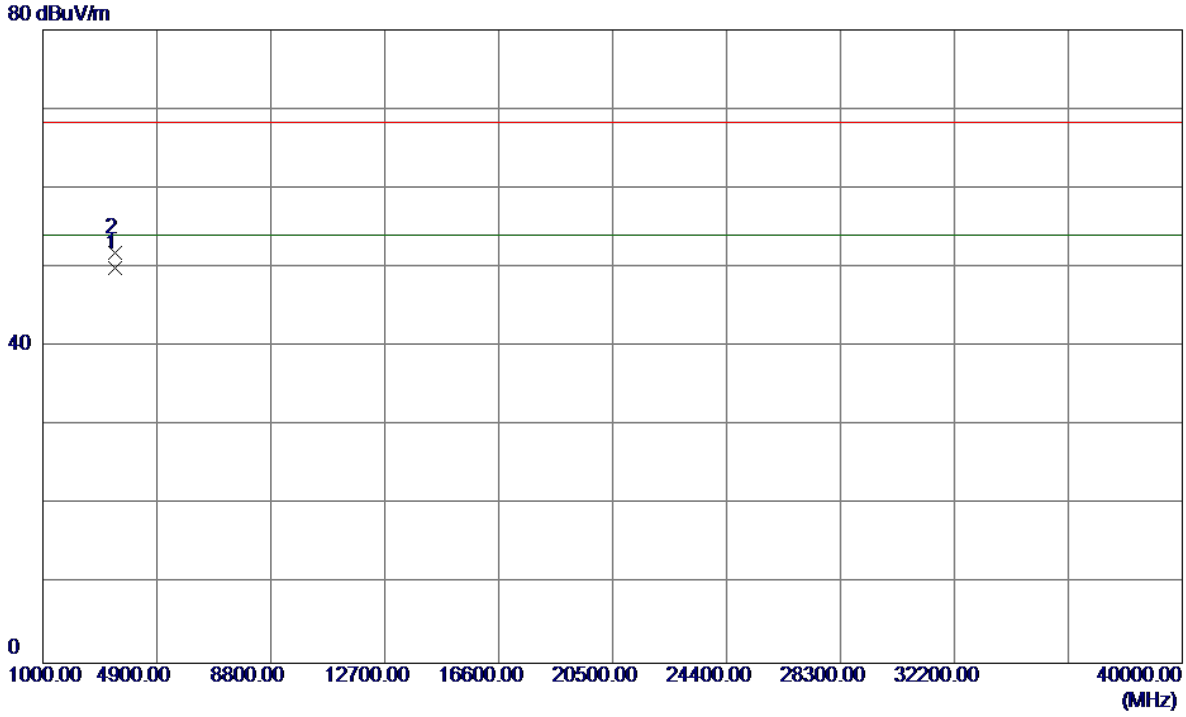
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	10.62	41.10	51.72	68.30	-16.58	Peak	
2	5150.0000	1.06	41.10	42.16	54.00	-11.84	AVG	
3 *	5179.0000	52.21	41.25	93.46	54.00	39.46	AVG	No Limit
4	5179.3000	61.47	41.25	102.72	68.30	34.42	Peak	No Limit

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

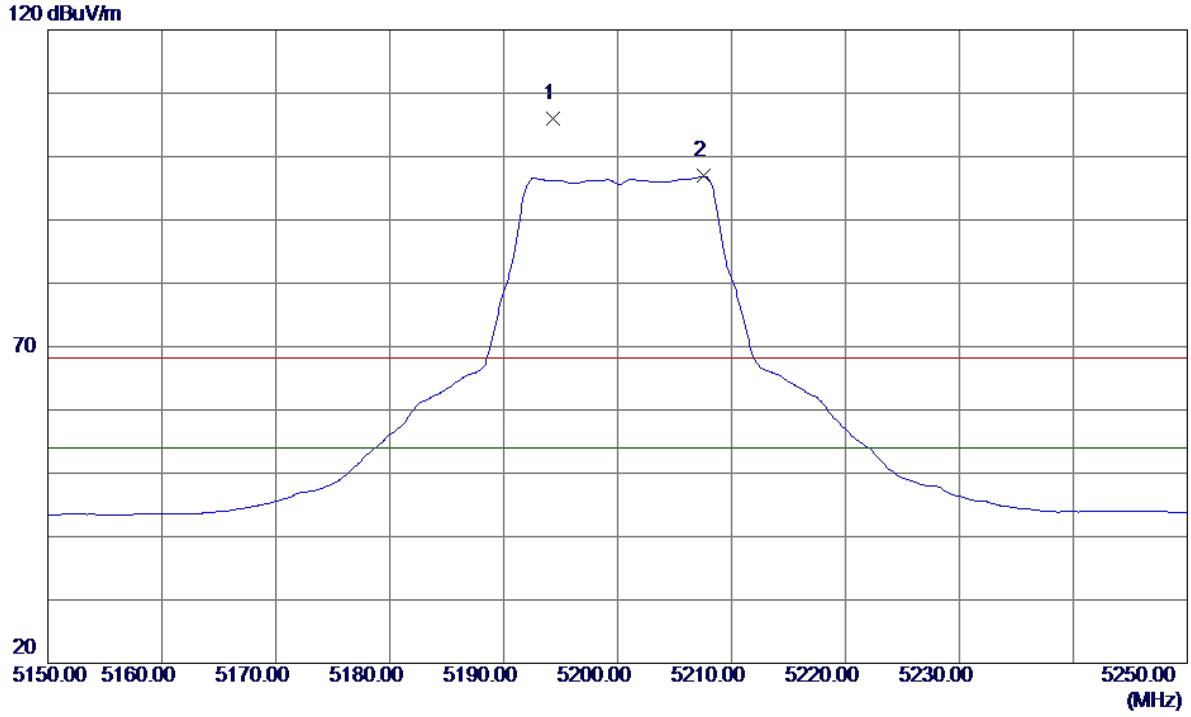
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3453.3500	46.98	2.96	49.94	54.00	-4.06	AVG	
2	3453.3960	48.83	2.96	51.79	68.30	-16.51	Peak	

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

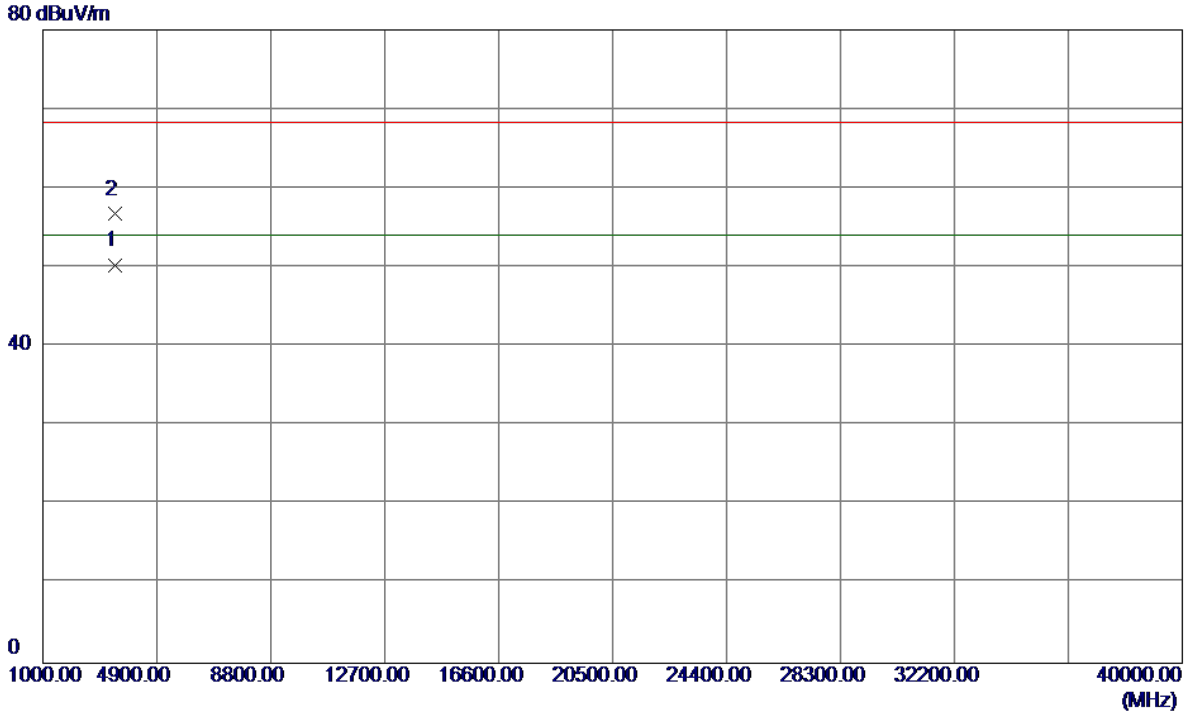
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.3000	64.76	41.33	106.09	68.30	37.79	Peak	No Limit
2 *	5207.6000	55.51	41.39	96.90	54.00	42.90	AVG	No Limit

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

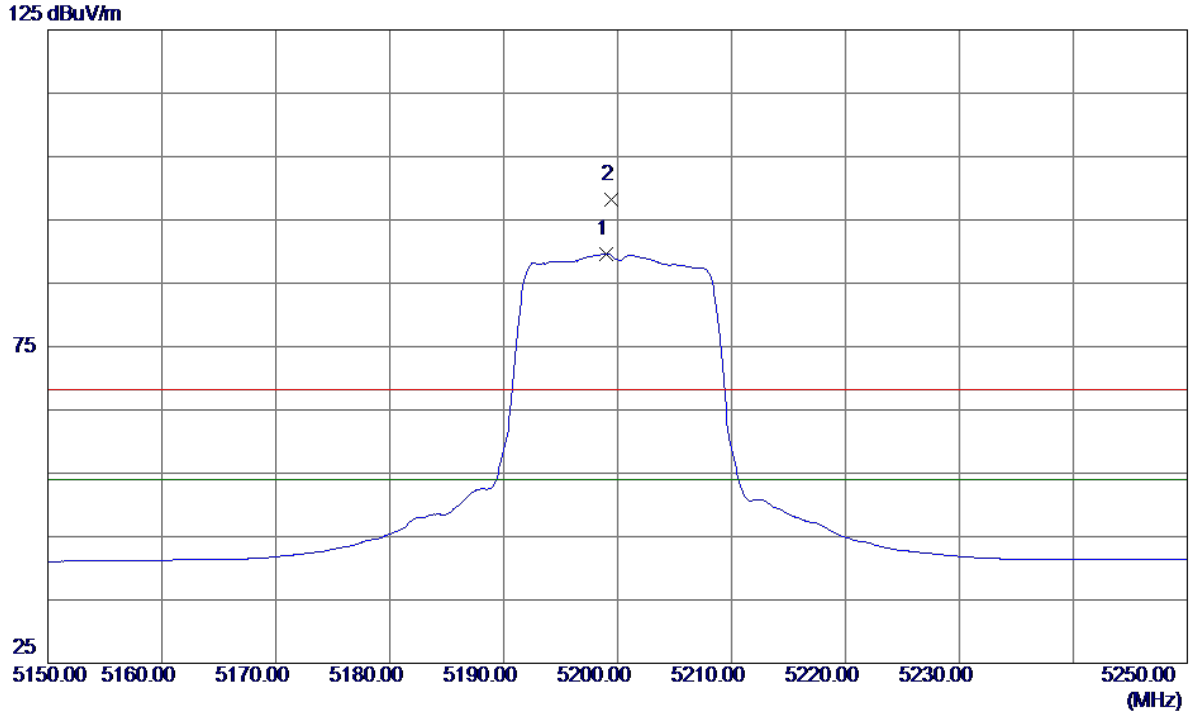
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3466.1140	47.17	3.00	50.17	54.00	-3.83	AVG	
2	3466.8770	53.72	3.00	56.72	68.30	-11.58	Peak	

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

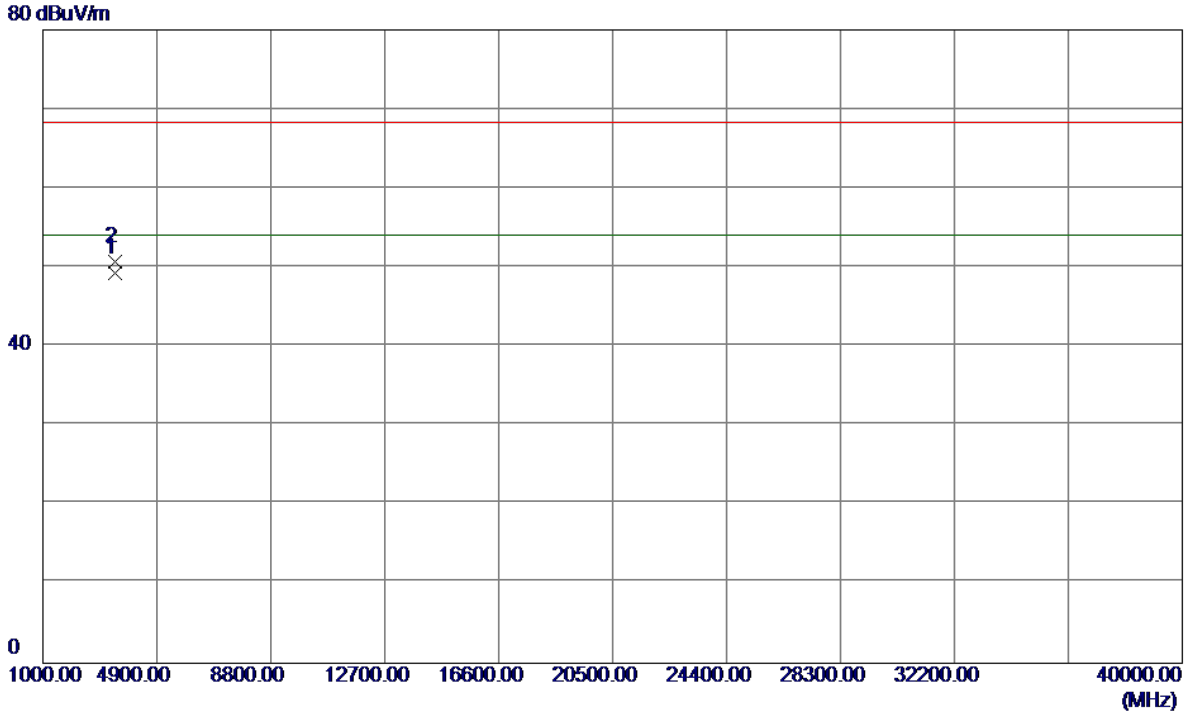
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5199.0000	48.24	41.35	89.59	54.00	35.59	AVG	No Limit
2	5199.4000	56.93	41.35	98.28	68.30	29.98	Peak	No Limit

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

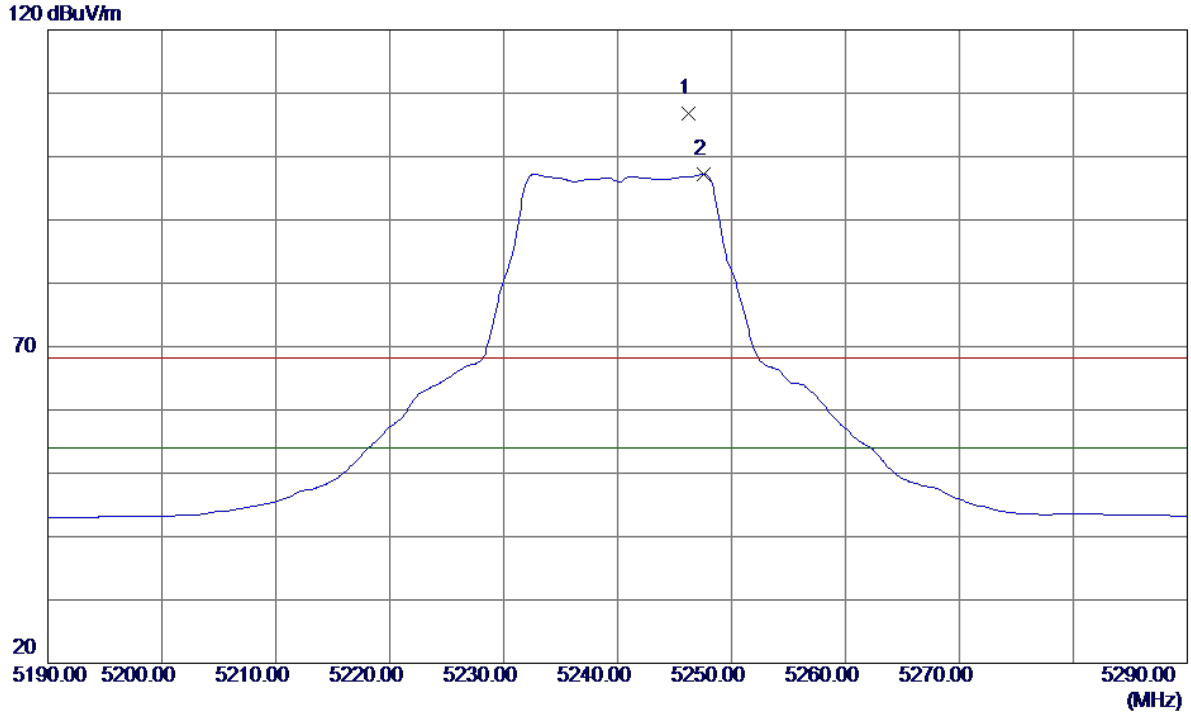
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3466.6840	46.35	3.00	49.35	54.00	-4.65	AVG	
2	3466.8120	47.73	3.00	50.73	68.30	-17.57	Peak	

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

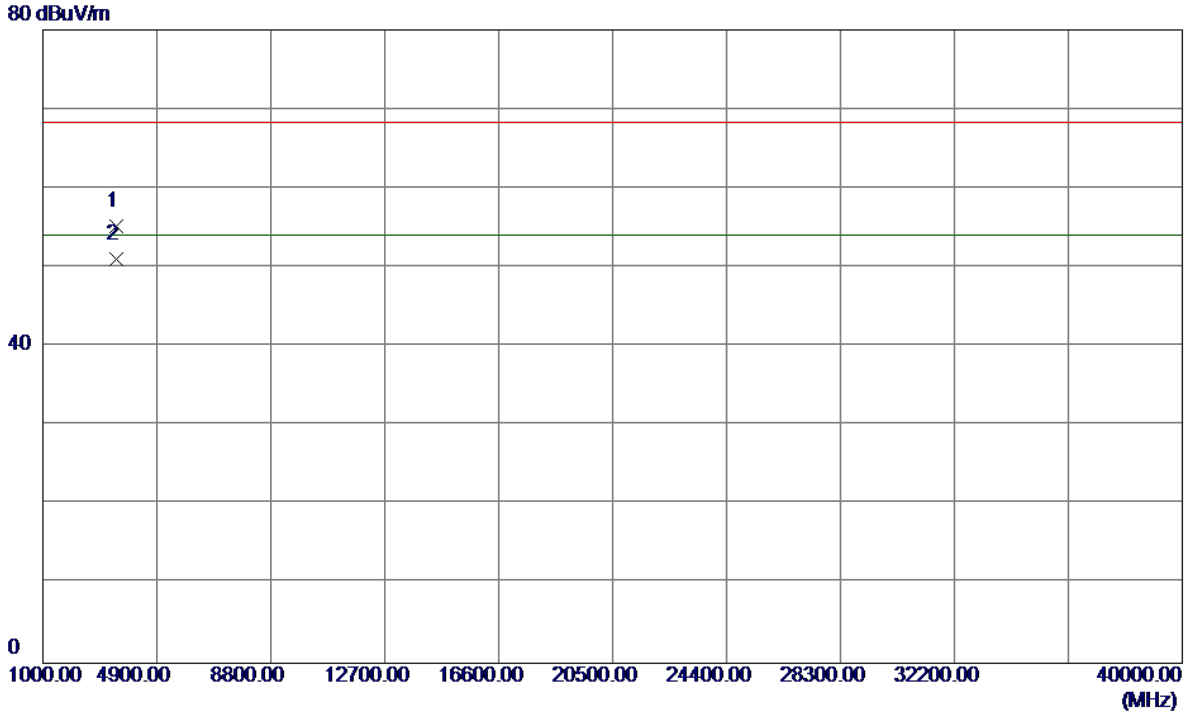
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5246.2000	65.18	41.59	106.77	68.30	38.47	Peak	No Limit
2 *	5247.6000	55.65	41.60	97.25	54.00	43.25	AVG	No Limit

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

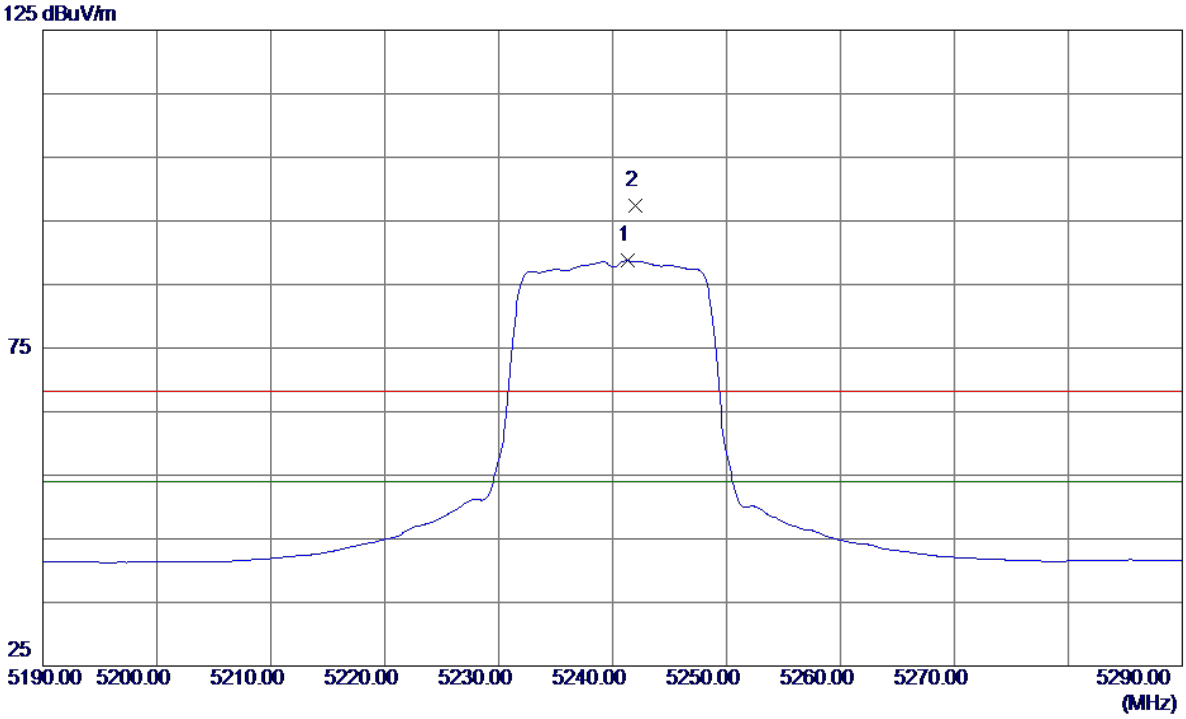
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3493.2240	52.15	3.07	55.22	68.30	-13.08	Peak	
2 *	3493.6470	47.99	3.07	51.06	54.00	-2.94	AVG	

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

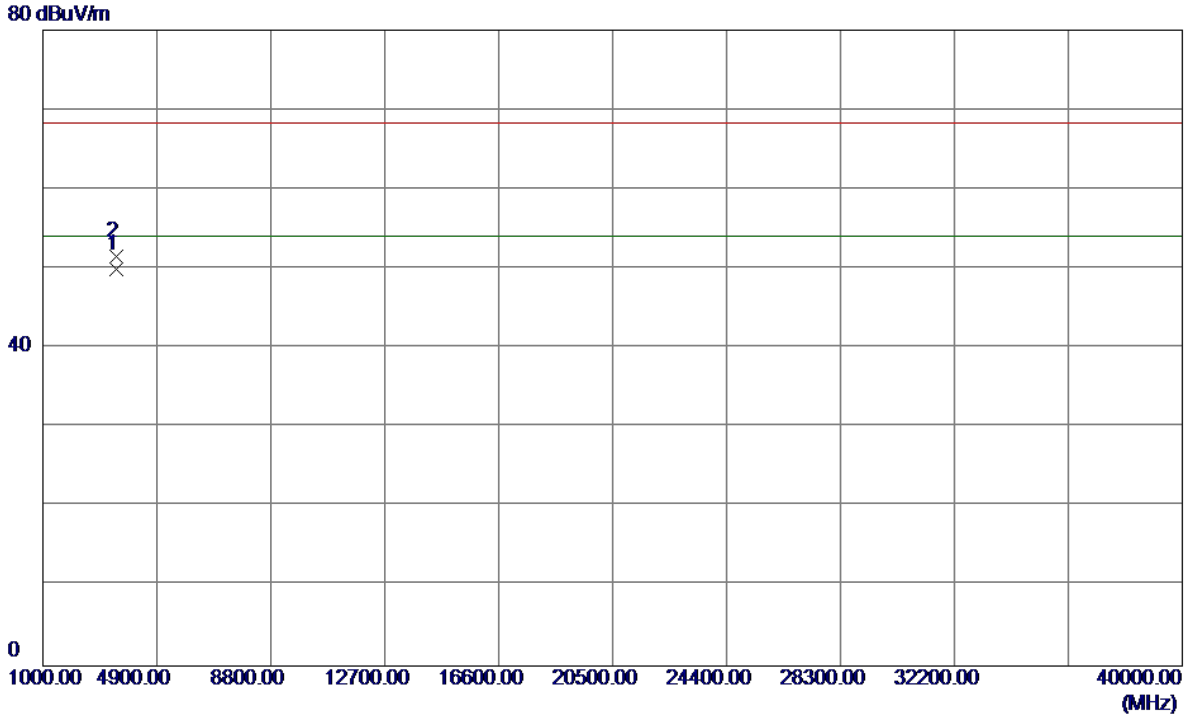
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5241.3000	47.14	41.57	88.71	54.00	34.71	AVG	No Limit
2	5242.0000	55.85	41.57	97.42	68.30	29.12	Peak	No Limit

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

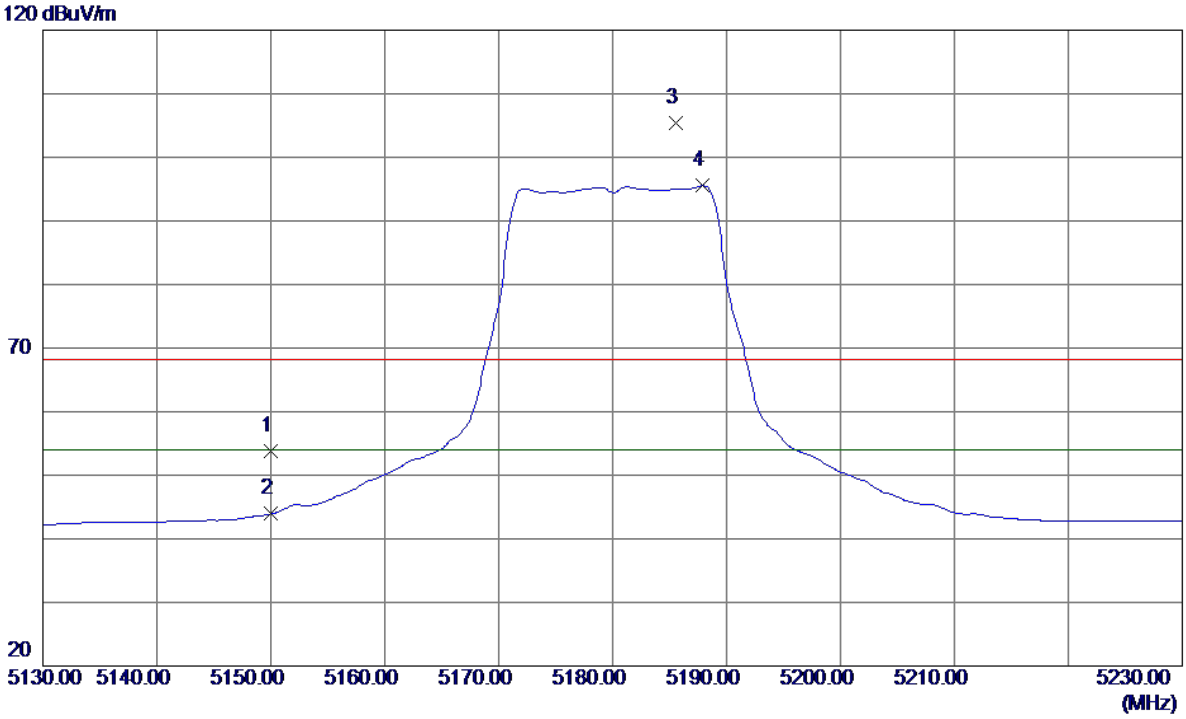
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3493.3740	46.82	3.07	49.89	54.00	-4.11	AVG	
2	3493.4260	48.52	3.07	51.59	68.30	-16.71	Peak	

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

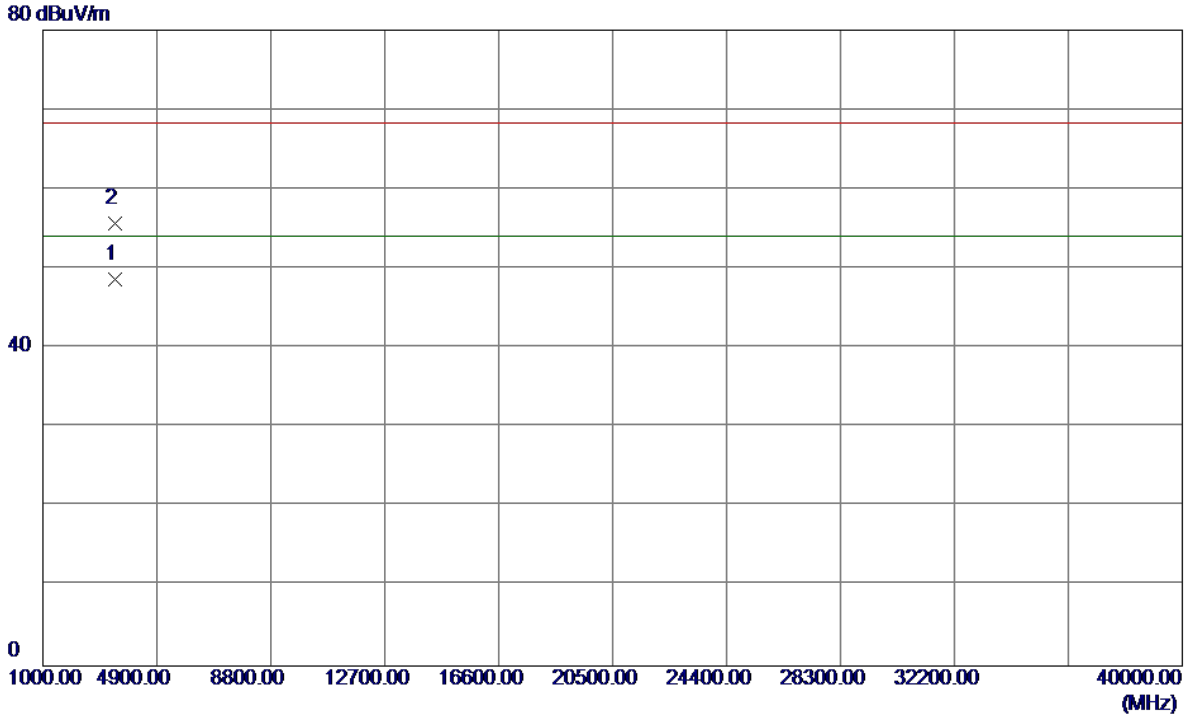
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	12.70	41.10	53.80	68.30	-14.50	Peak	
2	5150.0000	2.83	41.10	43.93	54.00	-10.07	AVG	
3	5185.6000	64.19	41.28	105.47	68.30	37.17	Peak	No Limit
4 *	5187.9000	54.23	41.29	95.52	54.00	41.52	AVG	No Limit

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

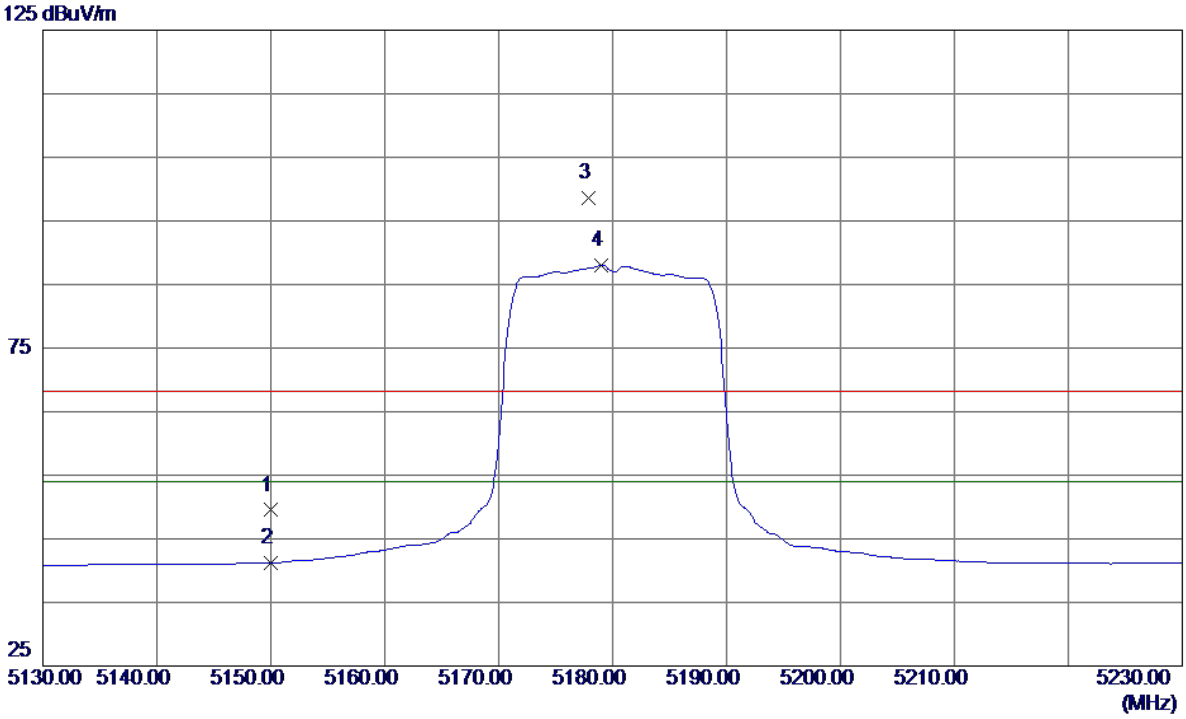
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3453.4470	45.64	2.96	48.60	54.00	-5.40	AVG	
2	3453.5770	52.78	2.96	55.74	68.30	-12.56	Peak	

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

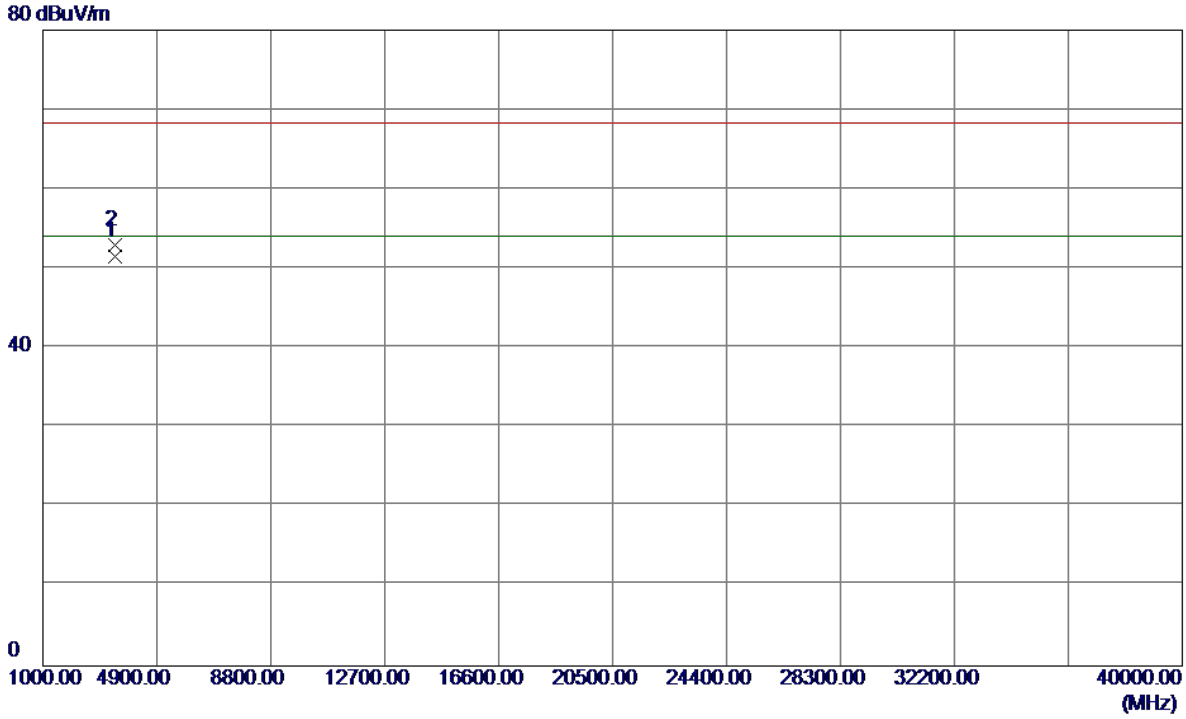
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	8.40	41.10	49.50	68.30	-18.80	Peak	
2	5150.0000	0.08	41.10	41.18	54.00	-12.82	AVG	
3	5177.9000	57.30	41.24	98.54	68.30	30.24	Peak	No Limit
4 *	5179.0000	46.72	41.25	87.97	54.00	33.97	AVG	No Limit

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

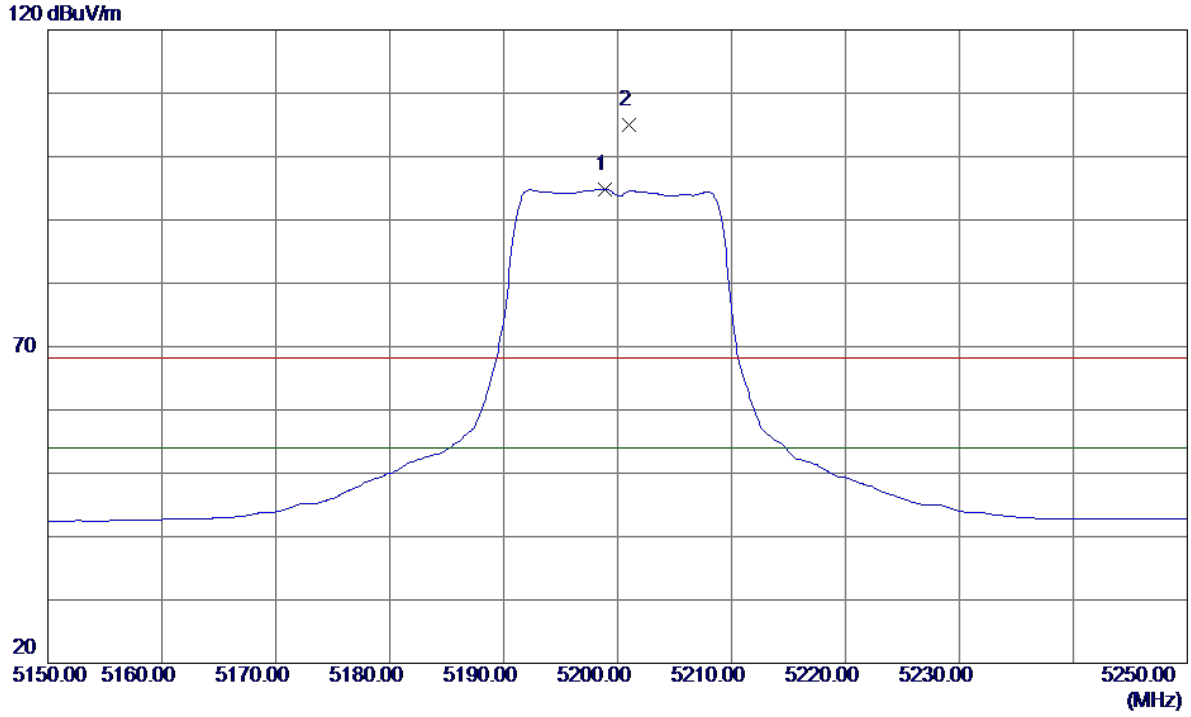
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3453.3560	48.51	2.96	51.47	54.00	-2.53	AVG	
2	3453.3800	50.07	2.96	53.03	68.30	-15.27	Peak	

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

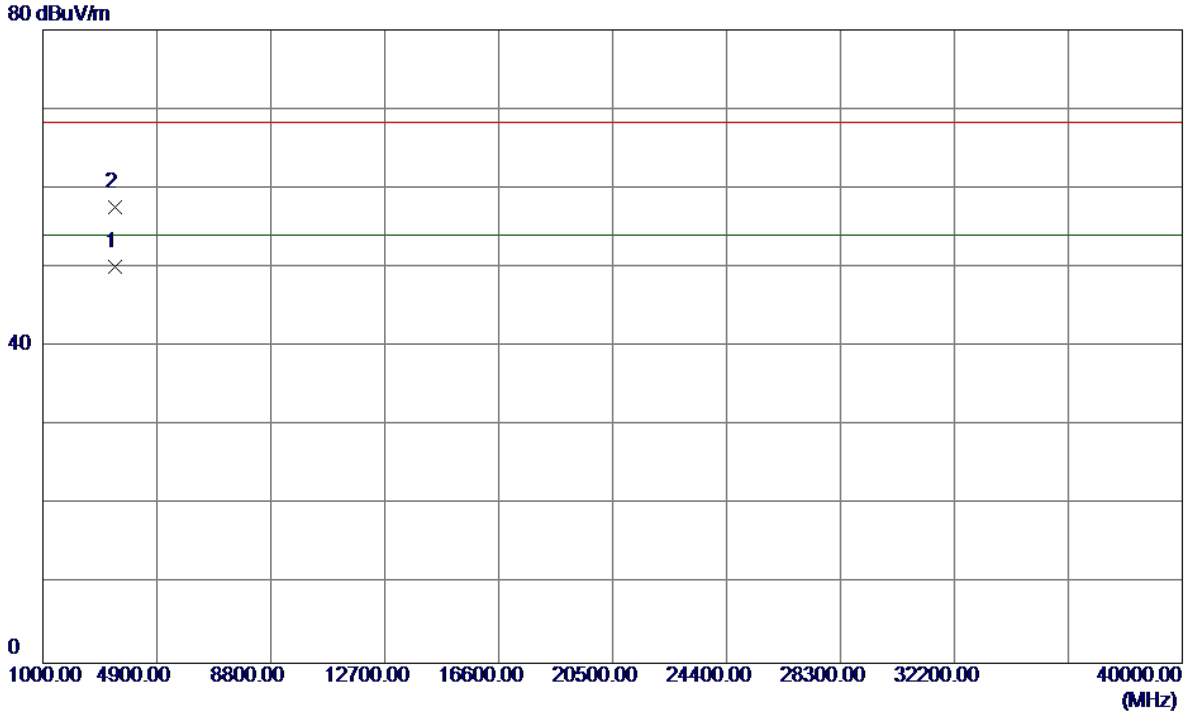
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5198.9000	53.49	41.35	94.84	54.00	40.84	AVG	No Limit
2	5201.0000	63.69	41.36	105.05	68.30	36.75	Peak	No Limit

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

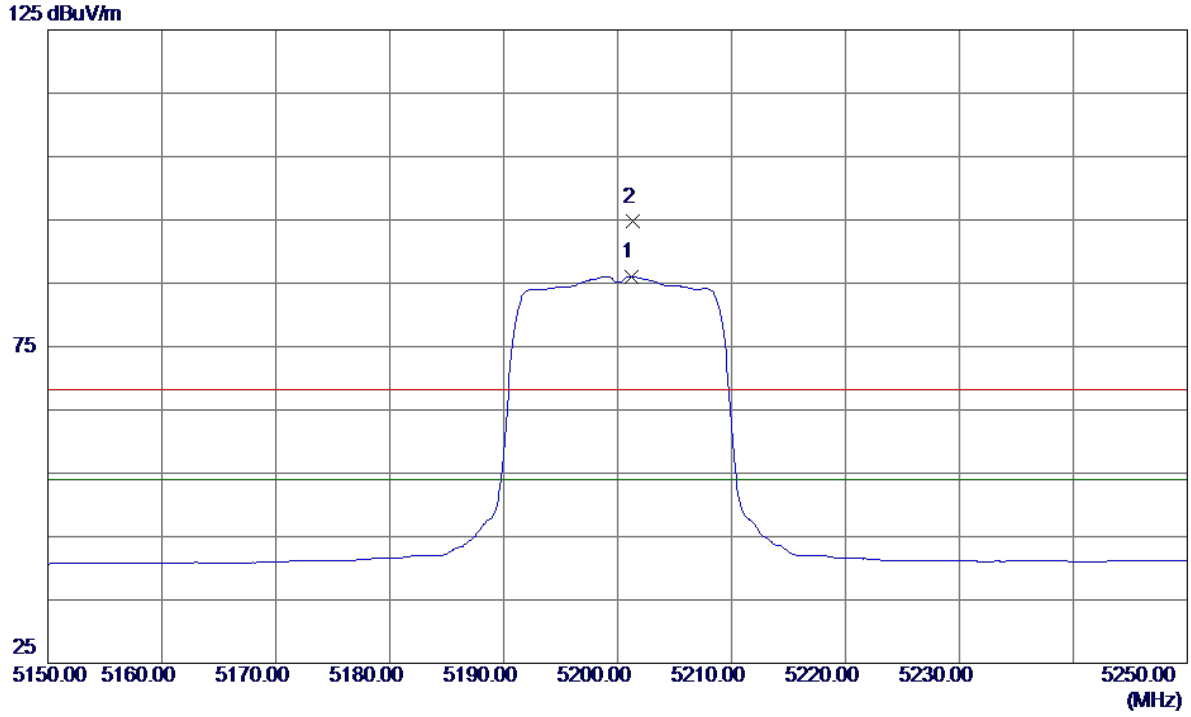
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3466.0150	47.07	3.00	50.07	54.00	-3.93	AVG	
2	3466.3040	54.60	3.00	57.60	68.30	-10.70	Peak	

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

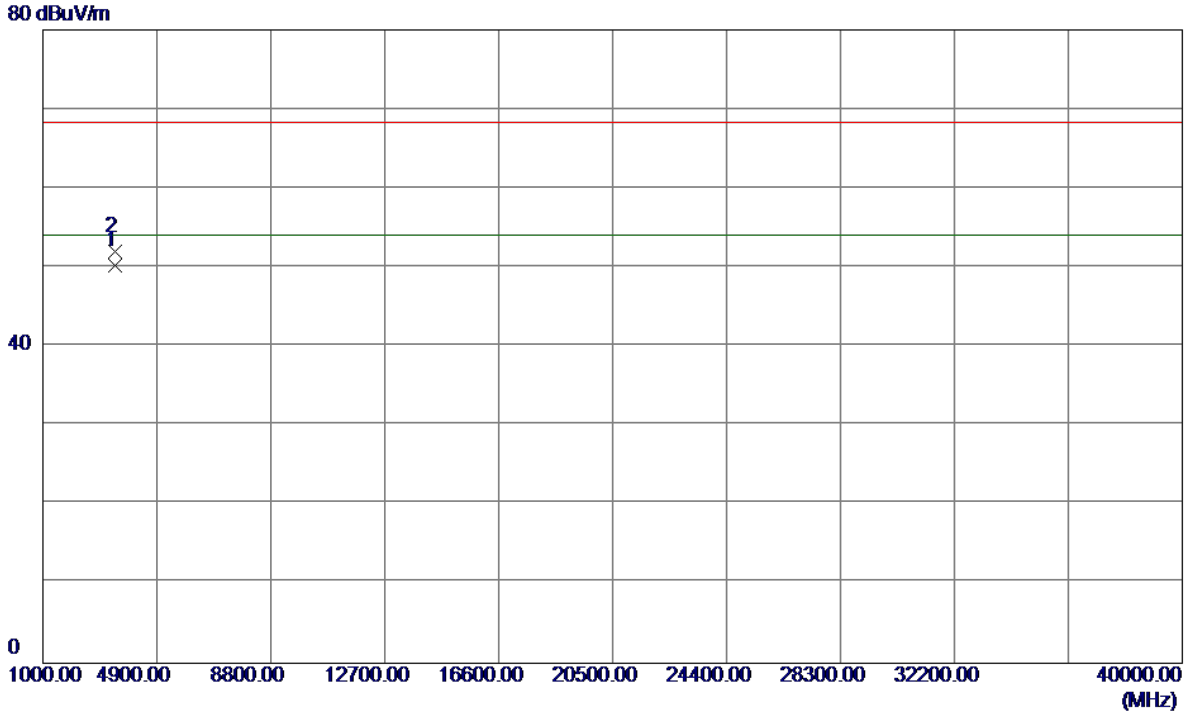
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5201.2000	44.71	41.36	86.07	54.00	32.07	AVG	No Limit
2	5201.3000	53.34	41.36	94.70	68.30	26.40	Peak	No Limit

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

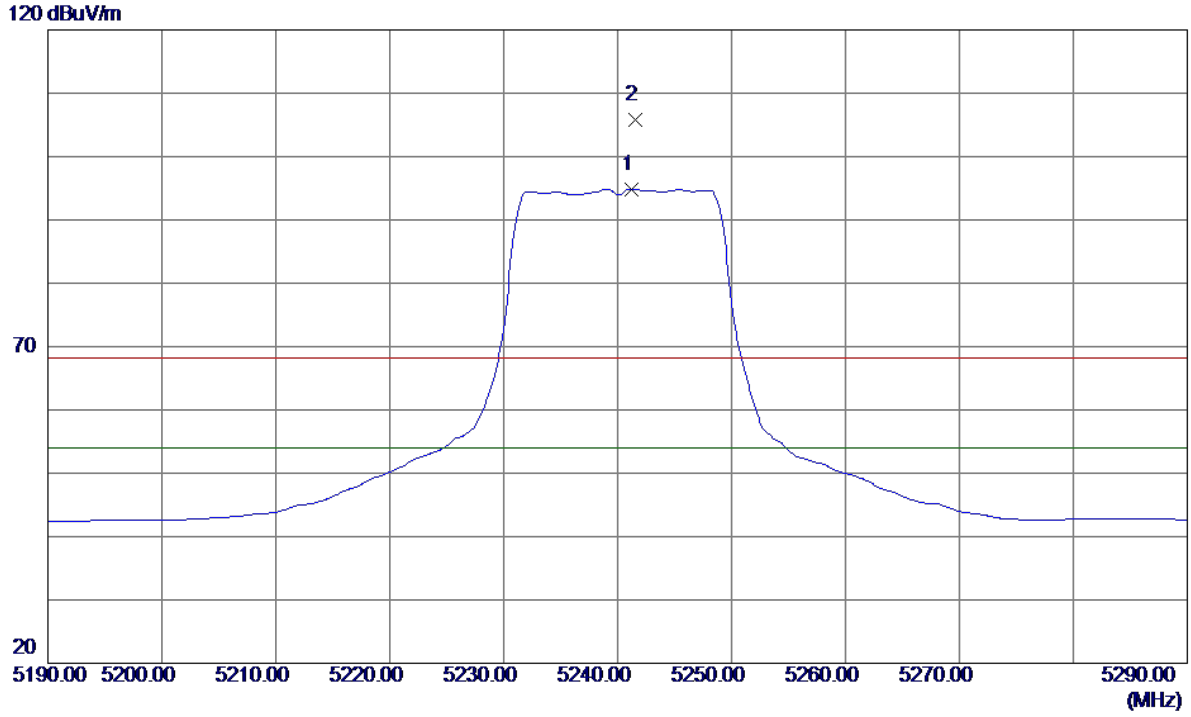
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3466.7140	47.29	3.00	50.29	54.00	-3.71	AVG	
2	3466.7540	49.04	3.00	52.04	68.30	-16.26	Peak	

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

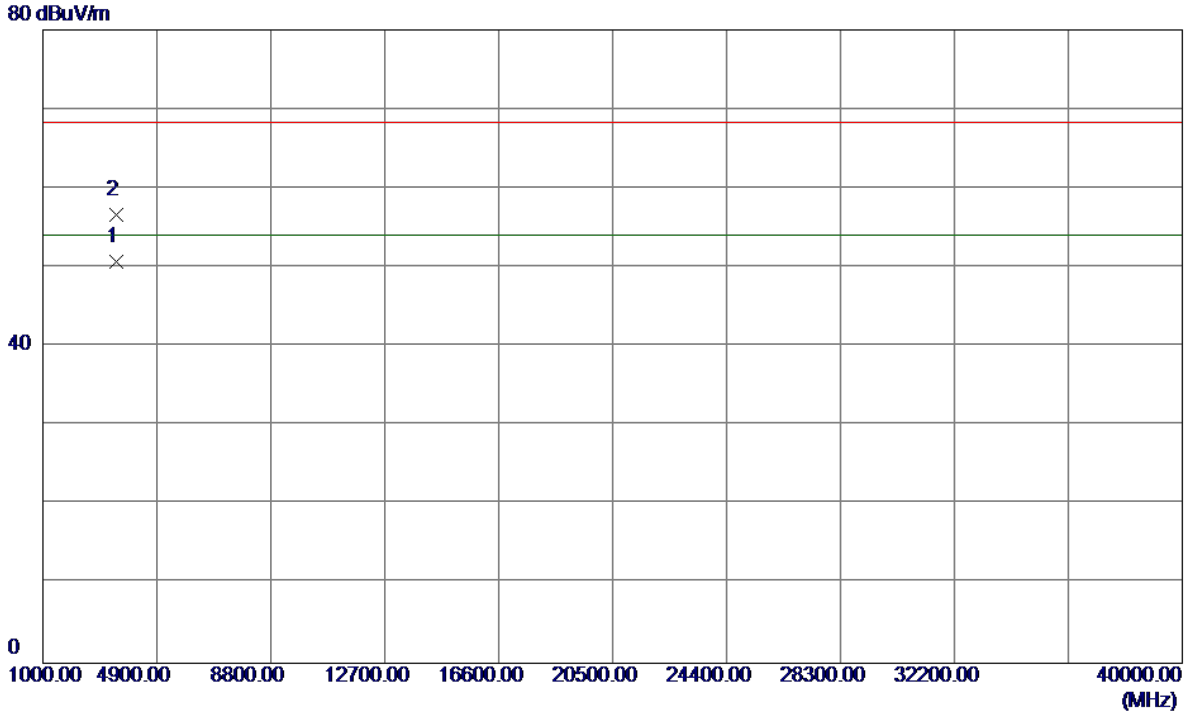
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5241.2000	53.29	41.57	94.86	54.00	40.86	AVG	No Limit
2	5241.6000	64.28	41.57	105.85	68.30	37.55	Peak	No Limit

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

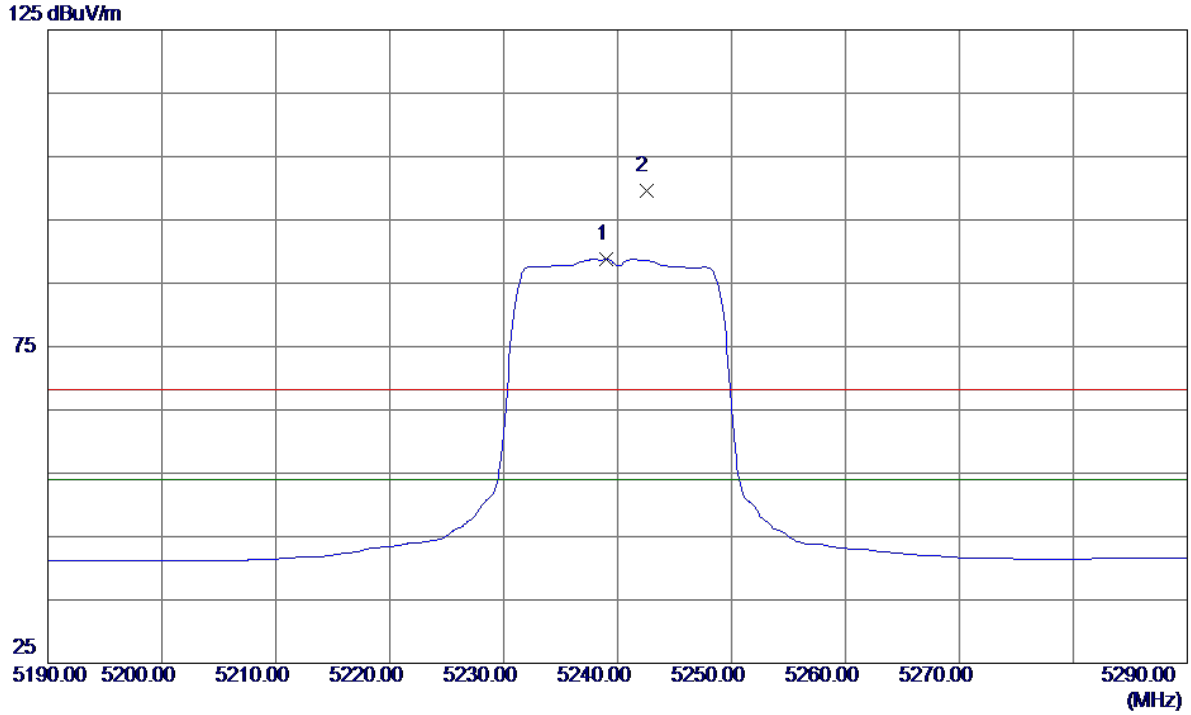
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3493.2210	47.73	3.07	50.80	54.00	-3.20	AVG	
2	3493.3270	53.52	3.07	56.59	68.30	-11.71	Peak	

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

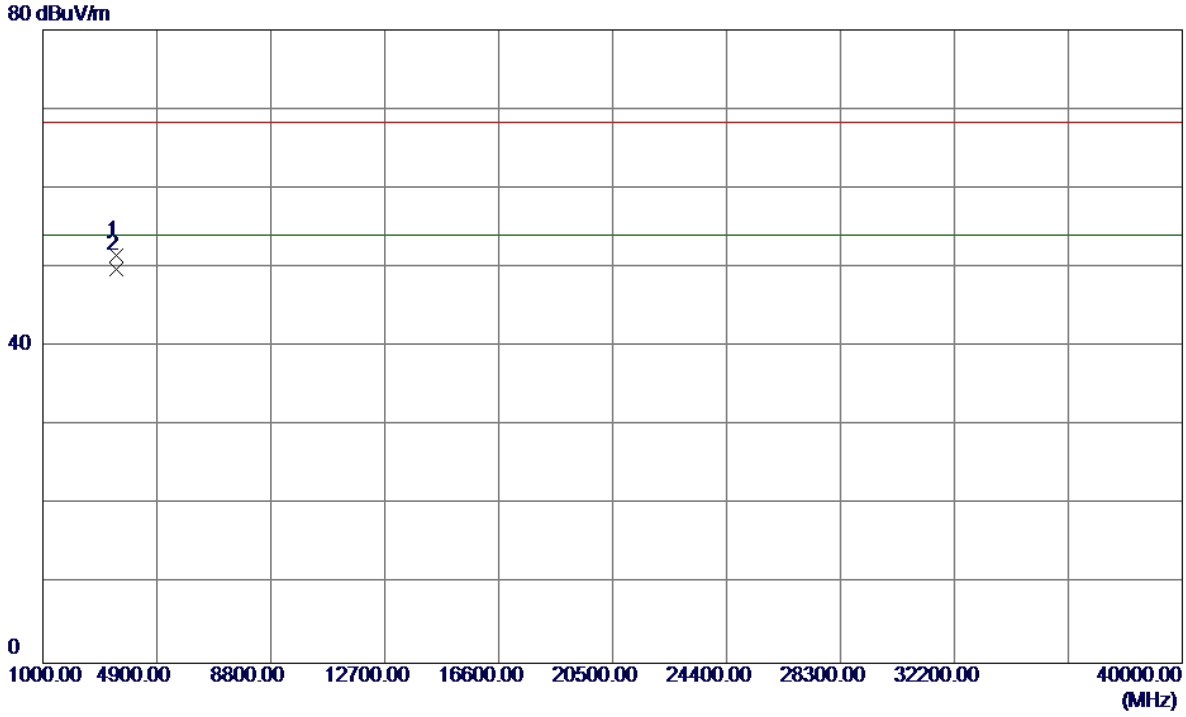
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5239.0000	47.22	41.55	88.77	54.00	34.77	AVG	No Limit
2	5242.5000	57.99	41.57	99.56	68.30	31.26	Peak	No Limit

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

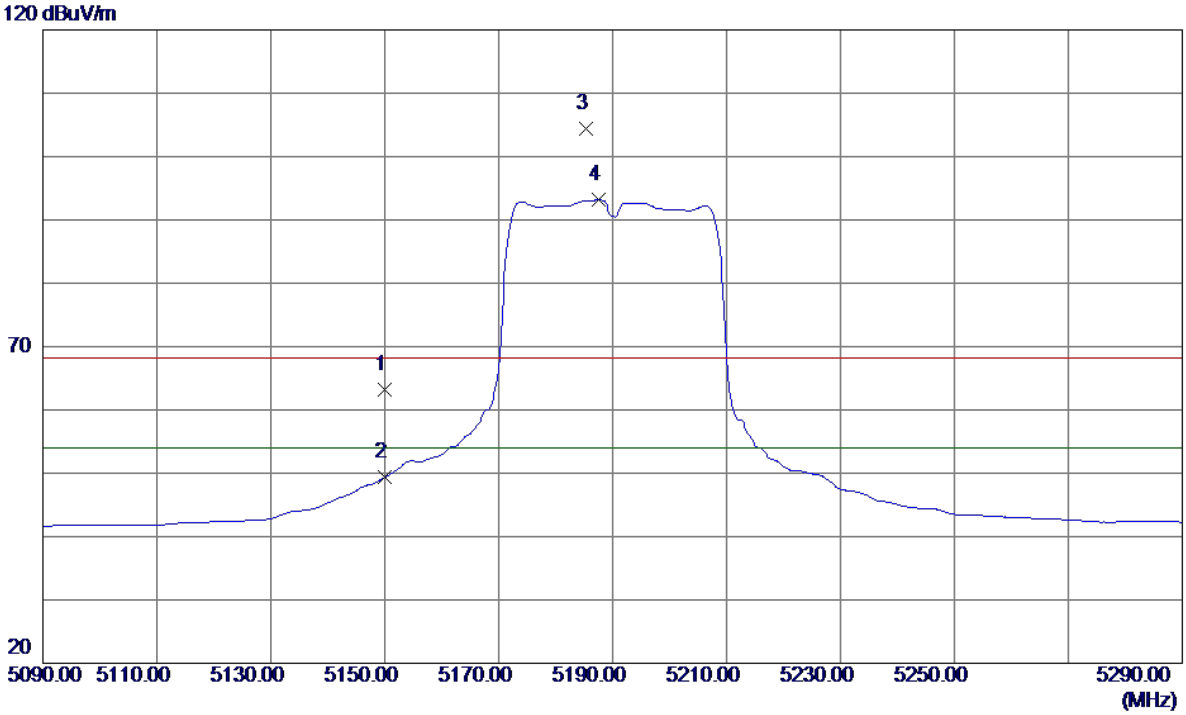
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3493.2540	48.52	3.07	51.59	68.30	-16.71	Peak	
2 *	3493.3840	46.71	3.07	49.78	54.00	-4.22	AVG	

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

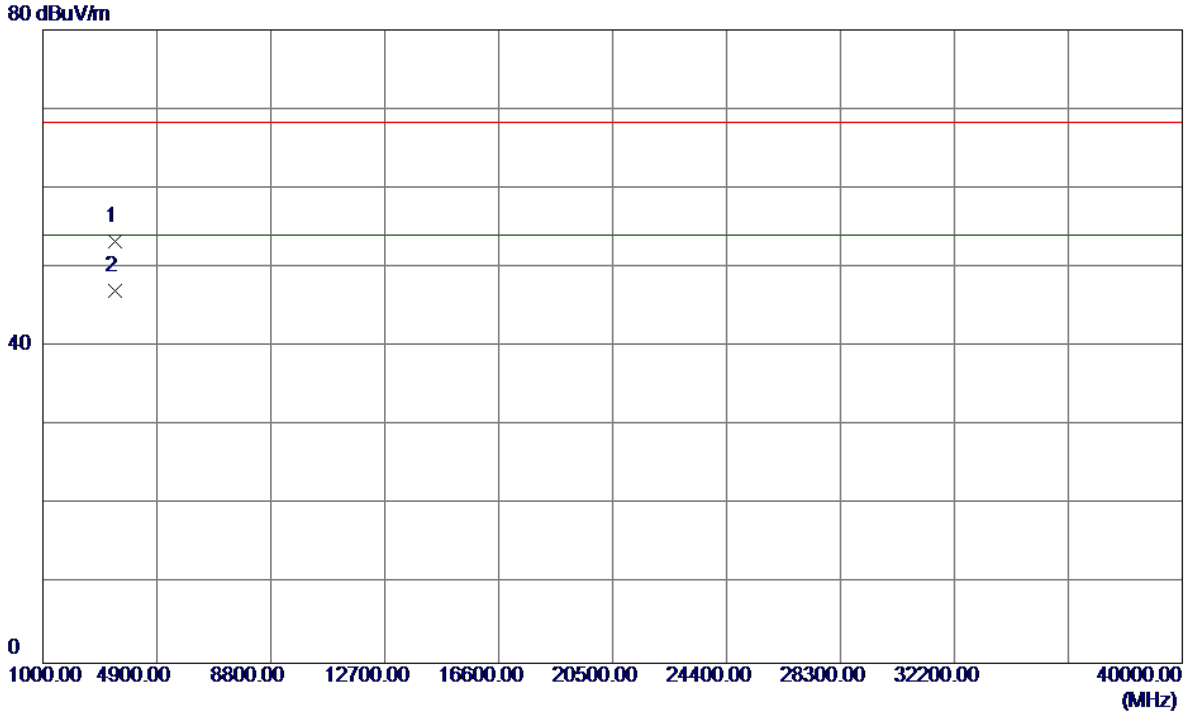
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.05	41.10	63.15	68.30	-5.15	Peak	
2	5150.0000	8.26	41.10	49.36	54.00	-4.64	AVG	
3	5185.4000	63.09	41.28	104.37	68.30	36.07	Peak	No Limit
4 *	5187.6000	51.87	41.29	93.16	54.00	39.16	AVG	No Limit

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

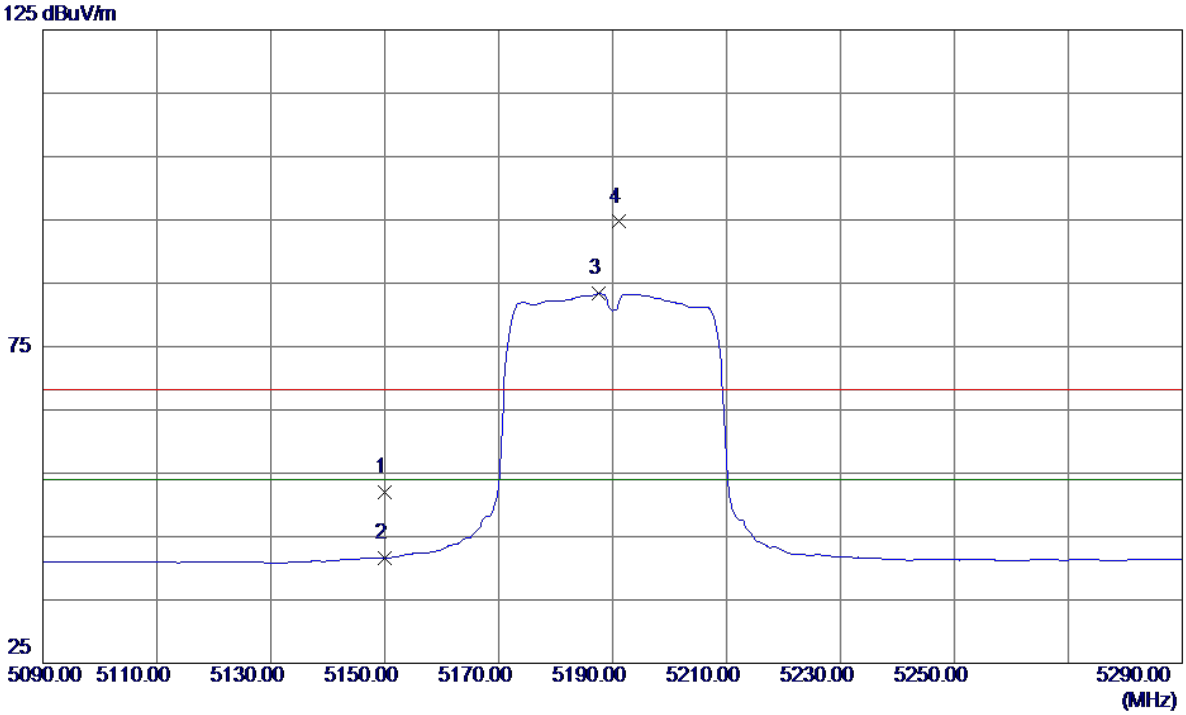
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3460.0260	50.37	2.98	53.35	68.30	-14.95	Peak	
2 *	3460.6340	44.01	2.98	46.99	54.00	-7.01	AVG	

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

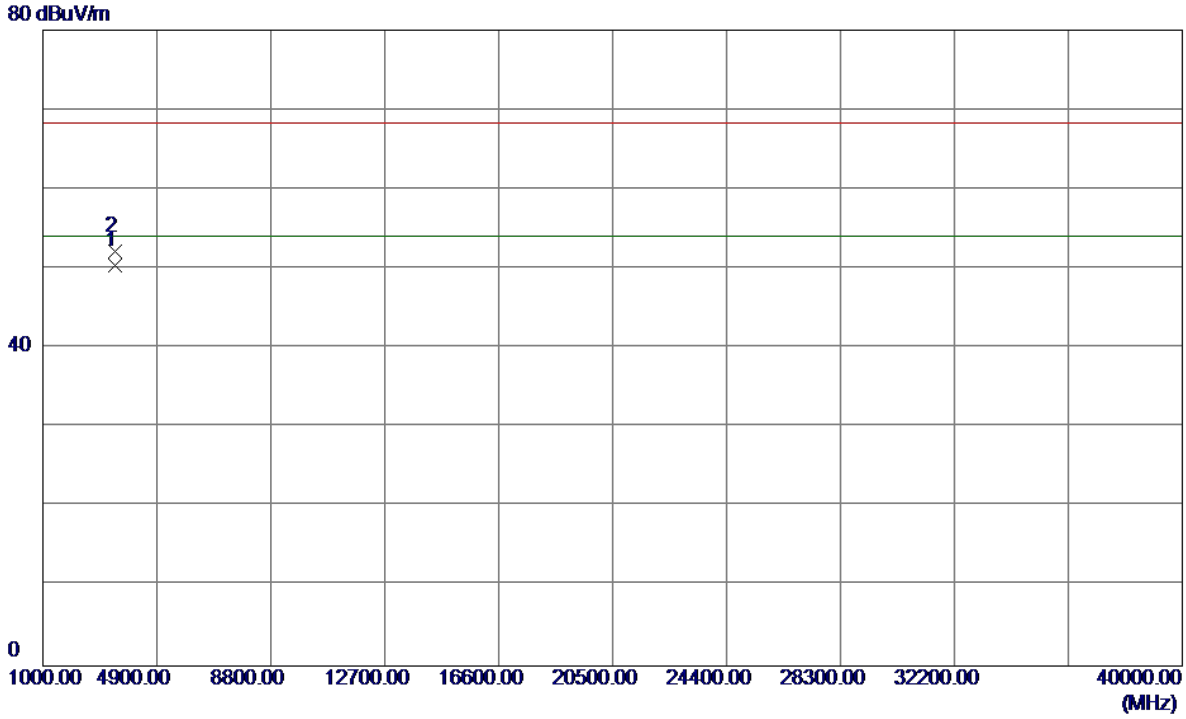
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	10.93	41.10	52.03	68.30	-16.27	Peak	
2	5150.0000	0.47	41.10	41.57	54.00	-12.43	AVG	
3 *	5187.6000	42.04	41.29	83.33	54.00	29.33	AVG	No Limit
4	5191.2000	53.39	41.31	94.70	68.30	26.40	Peak	No Limit

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

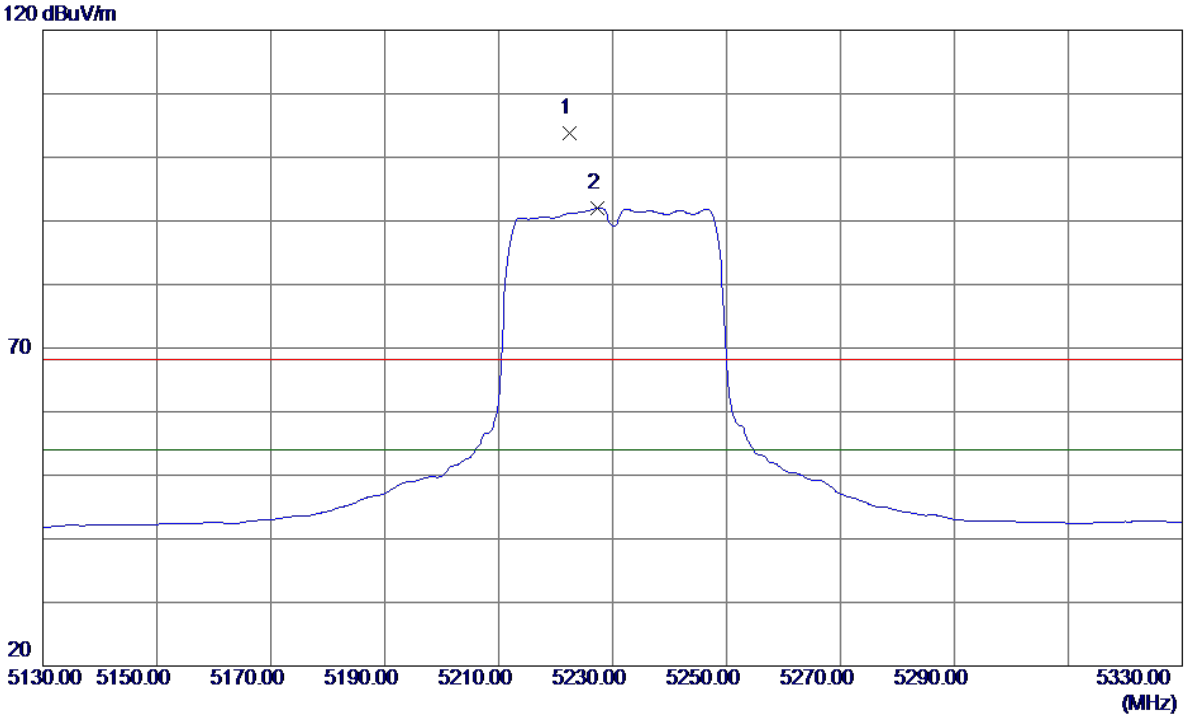
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3460.0060	47.38	2.98	50.36	54.00	-3.64	AVG	
2	3460.0320	49.17	2.98	52.15	68.30	-16.15	Peak	

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

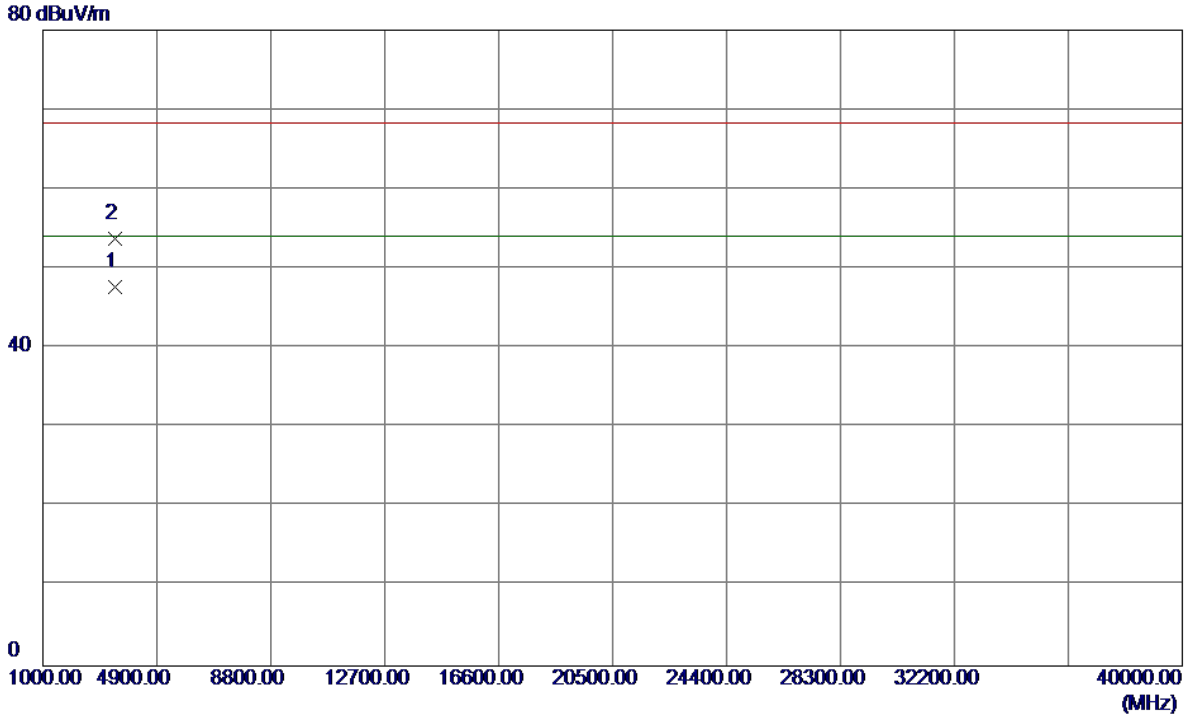
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5222.4000	62.28	41.47	103.75	68.30	35.45	Peak	No Limit
2 *	5227.4000	50.55	41.50	92.05	54.00	38.05	AVG	No Limit

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

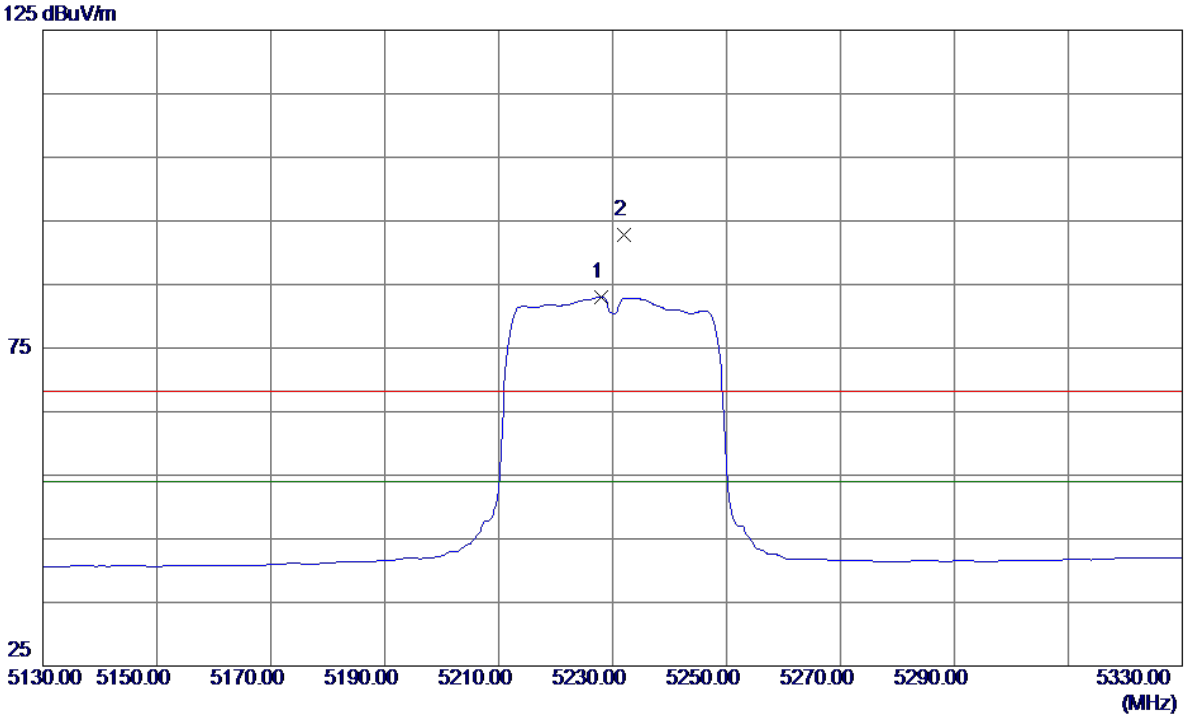
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3486.1170	44.65	3.05	47.70	54.00	-6.30	AVG	
2	3486.3670	50.67	3.05	53.72	68.30	-14.58	Peak	

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

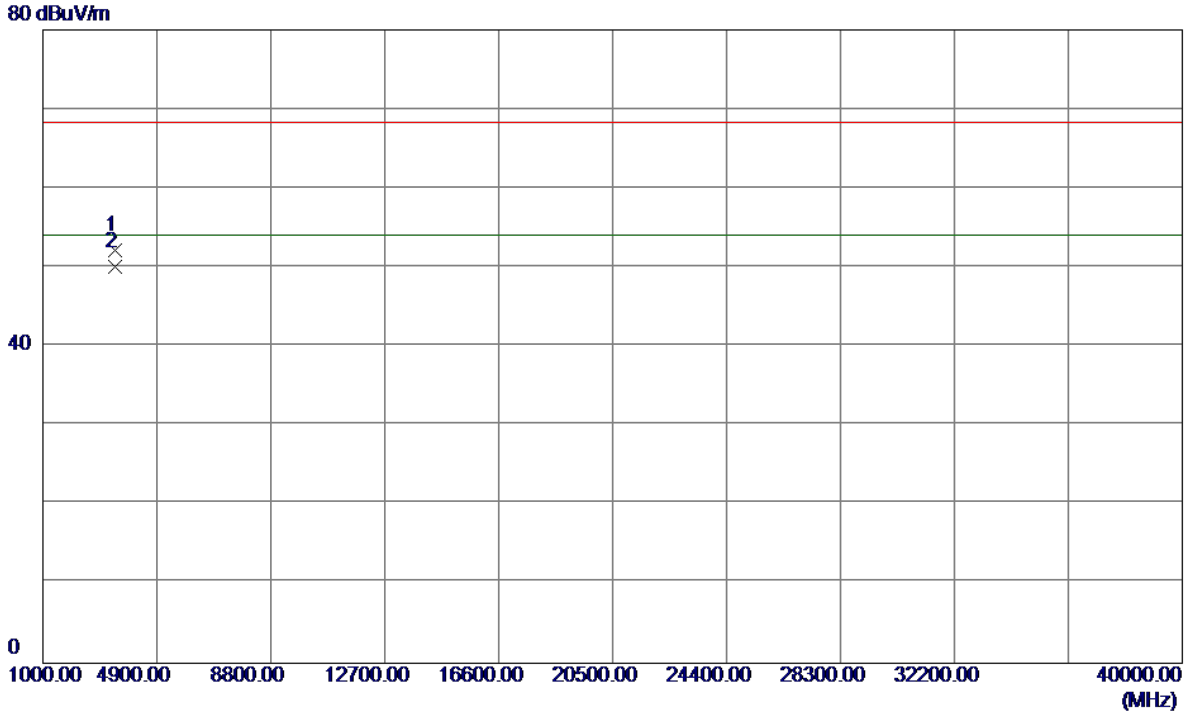
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5228.0000	41.45	41.50	82.95	54.00	28.95	AVG	No Limit
2	5232.0000	51.29	41.52	92.81	68.30	24.51	Peak	No Limit

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

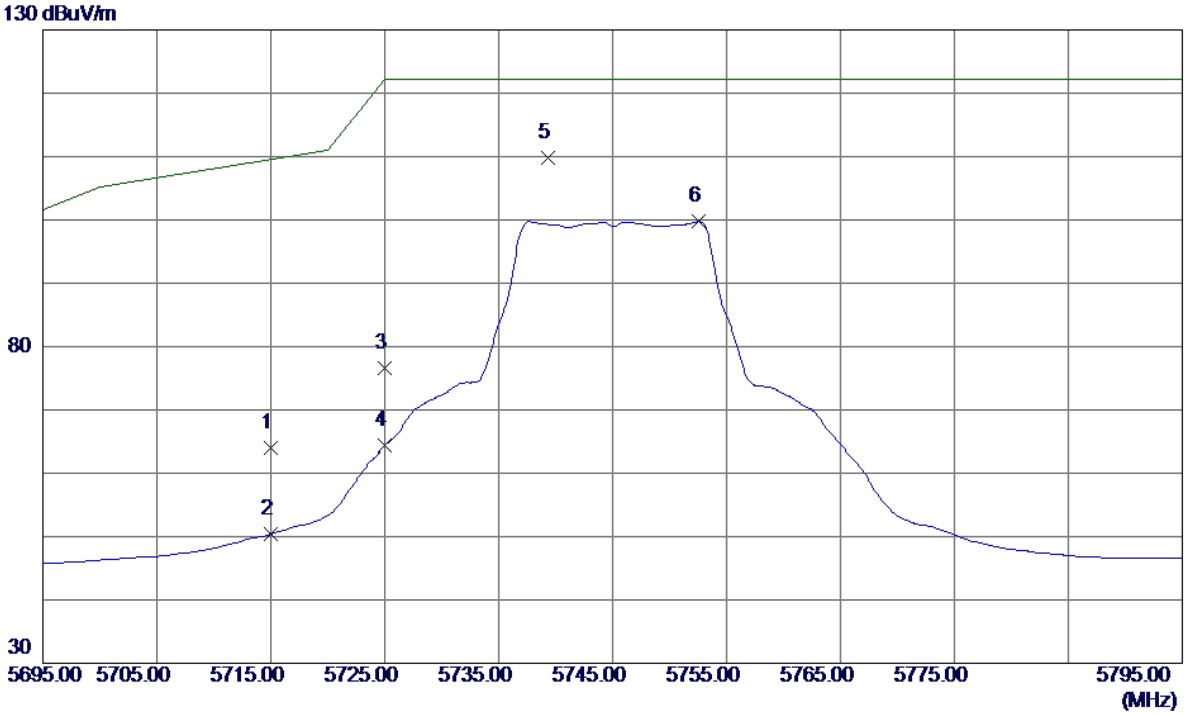
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3486.6900	49.16	3.05	52.21	68.30	-16.09	Peak	
2 *	3486.7020	46.96	3.05	50.01	54.00	-3.99	AVG	

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

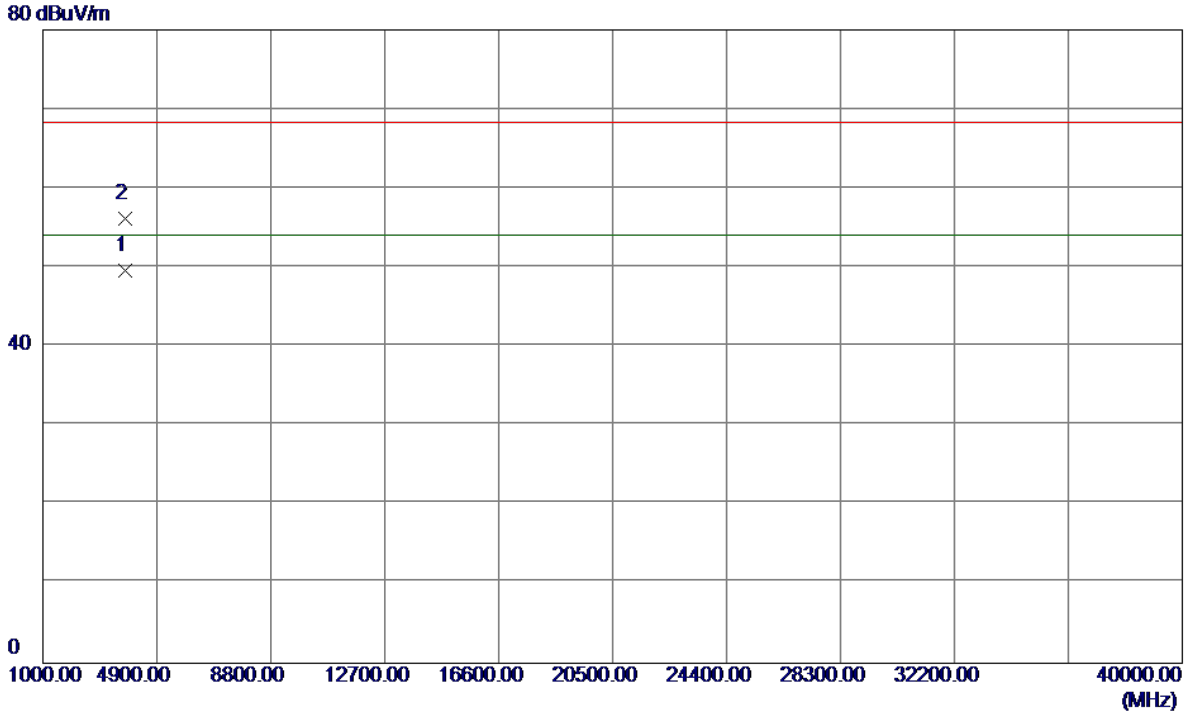
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	20.42	43.53	63.95	109.50	-45.55	Peak	
2	5715.0000	6.88	43.53	50.41	109.50	-59.09	AVG	
3	5725.0000	33.06	43.56	76.62	122.30	-45.68	Peak	
4	5725.0000	20.80	43.56	64.36	122.30	-57.94	AVG	
5 *	5739.3000	66.15	43.60	109.75	122.30	-12.55	Peak	
6	5752.6000	56.13	43.64	99.77	122.30	-22.53	AVG	

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

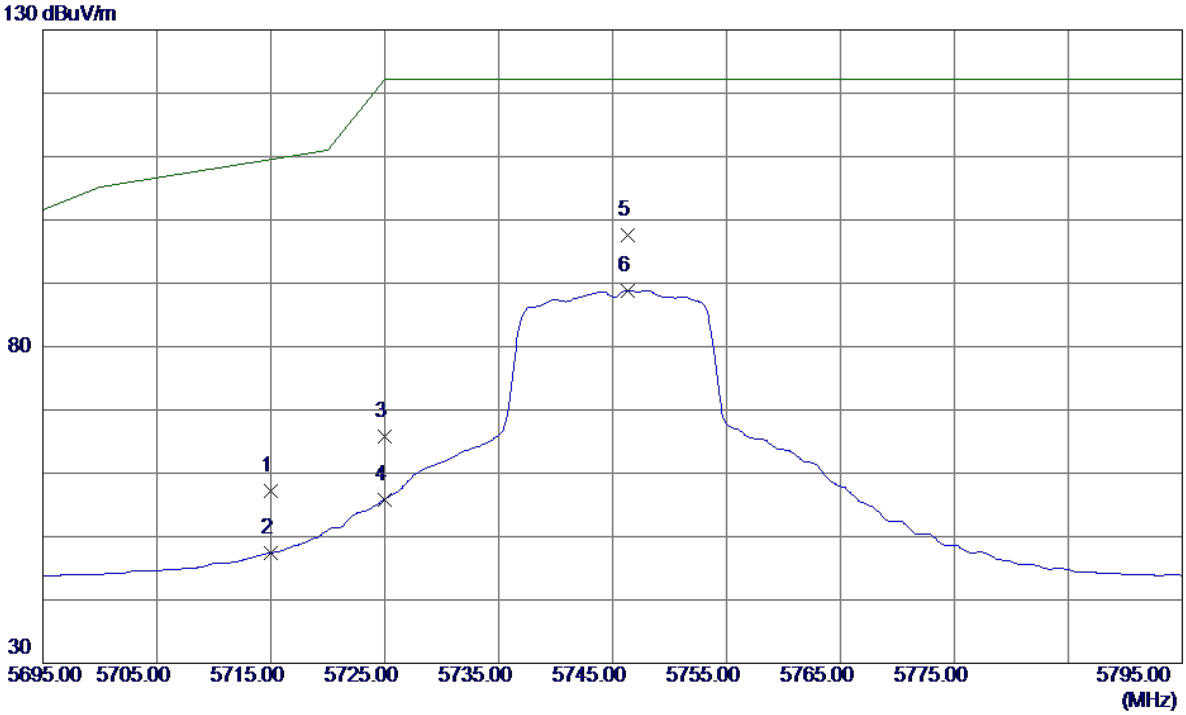
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3829.2580	45.72	3.93	49.65	54.00	-4.35	AVG	
2	3829.9890	52.18	3.93	56.11	68.30	-12.19	Peak	

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

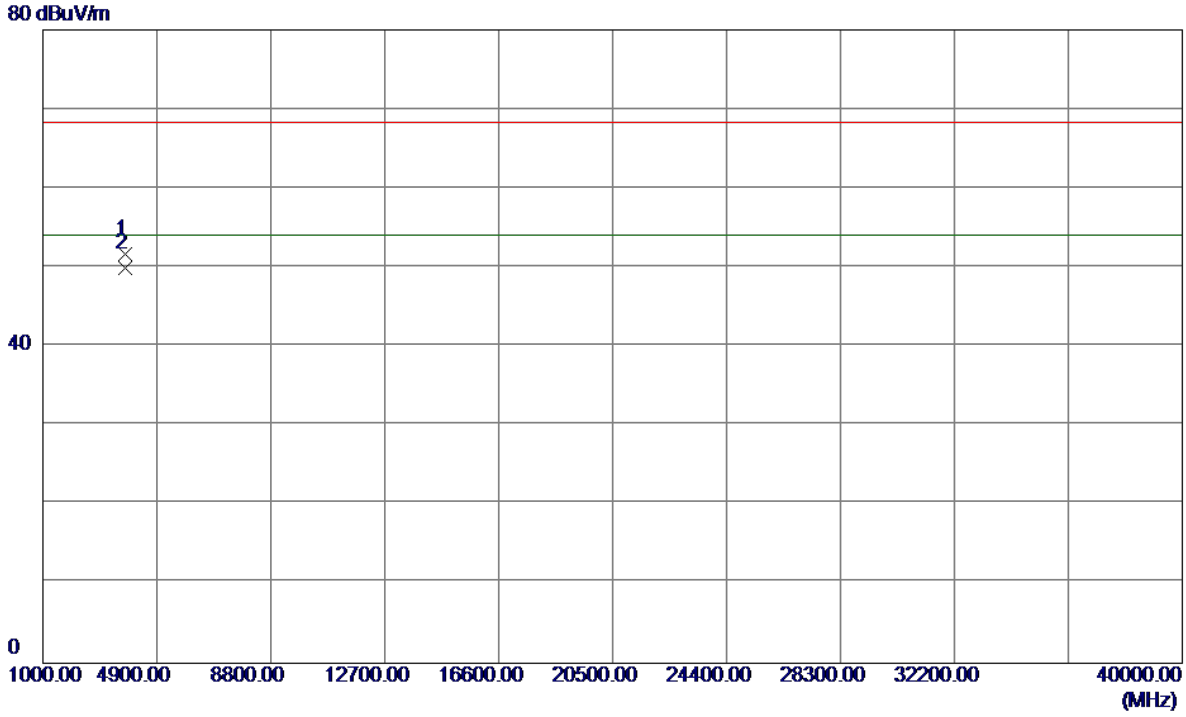
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	13.64	43.53	57.17	109.50	-52.33	Peak	
2	5715.0000	3.87	43.53	47.40	109.50	-62.10	AVG	
3	5725.0000	22.19	43.56	65.75	122.30	-56.55	Peak	
4	5725.0000	12.32	43.56	55.88	122.30	-66.42	AVG	
5 *	5746.3000	53.89	43.62	97.51	122.30	-24.79	Peak	
6	5746.3000	45.19	43.62	88.81	122.30	-33.49	AVG	

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

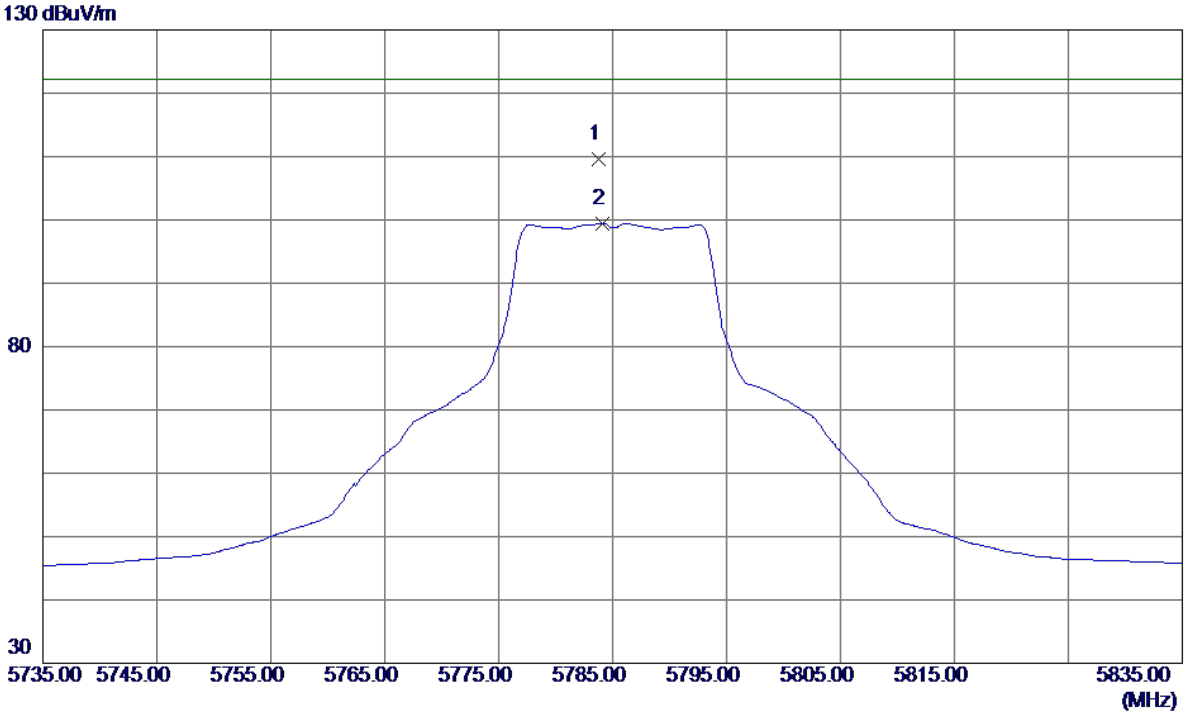
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3829.9750	47.77	3.93	51.70	68.30	-16.60	Peak	
2 *	3830.0250	46.01	3.93	49.94	54.00	-4.06	AVG	

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

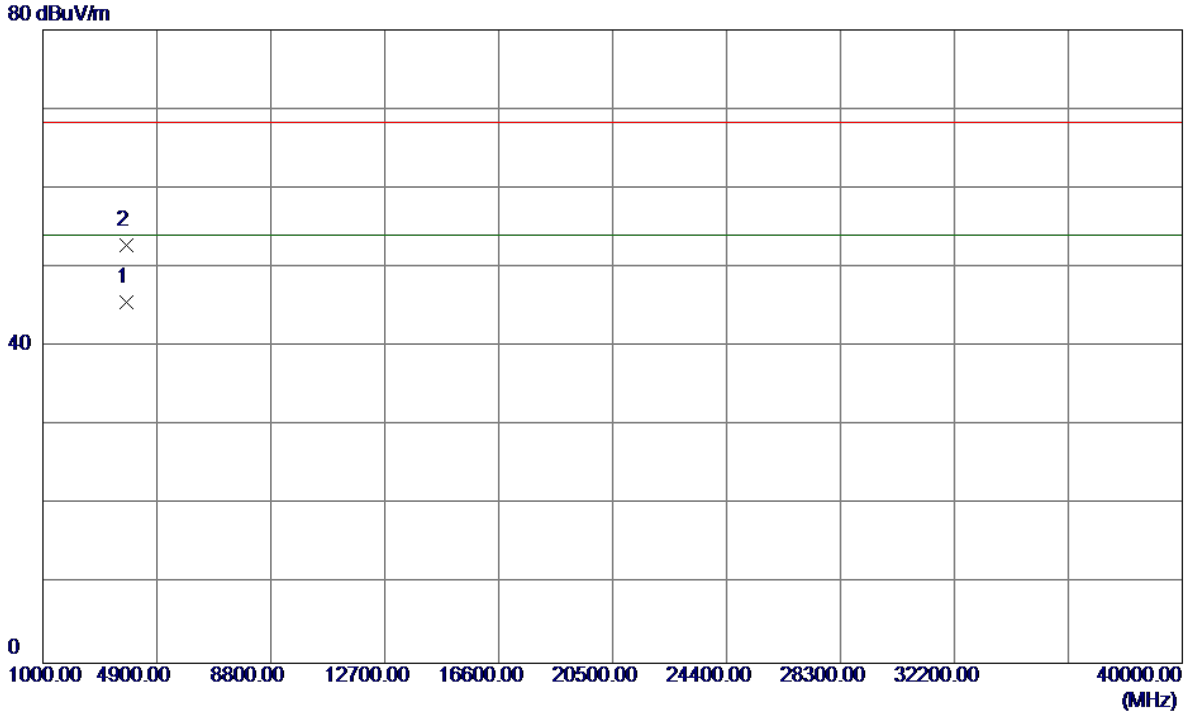
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5783.8000	65.79	43.74	109.53	122.30	-12.77	Peak	
2	5784.1000	55.73	43.74	99.47	122.30	-22.83	AVG	

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

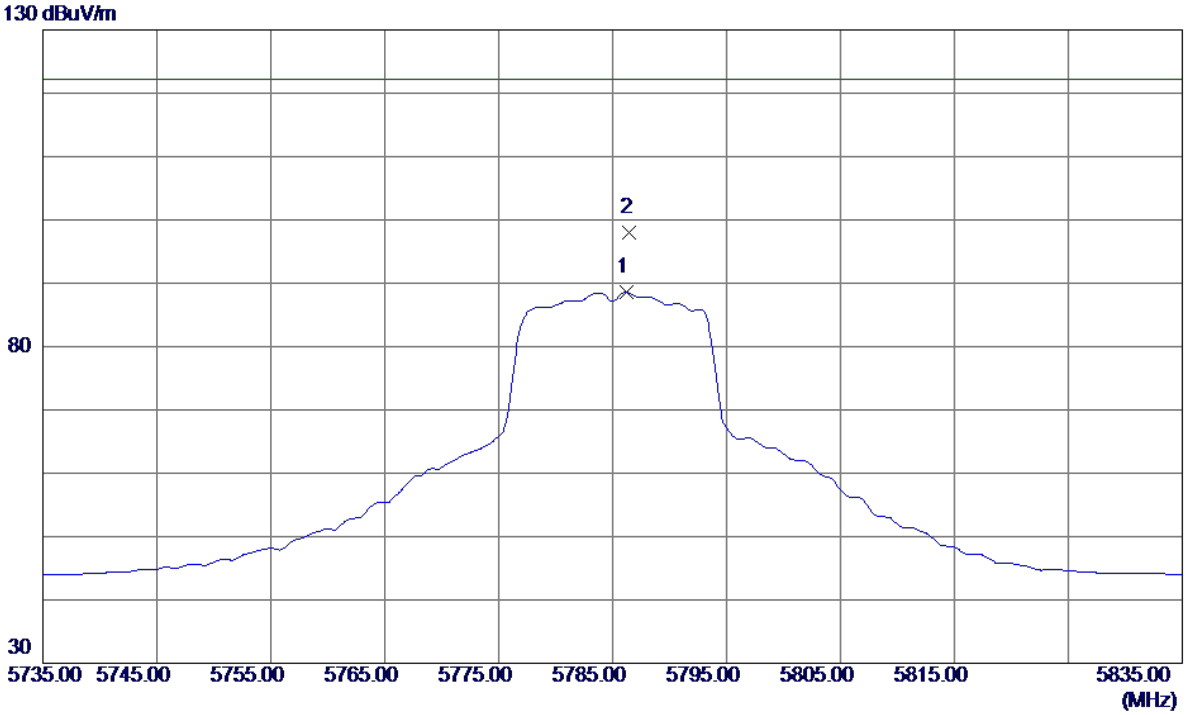
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3856.4420	41.52	4.00	45.52	54.00	-8.48	AVG	
2	3856.5750	48.85	4.00	52.85	68.30	-15.45	Peak	

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

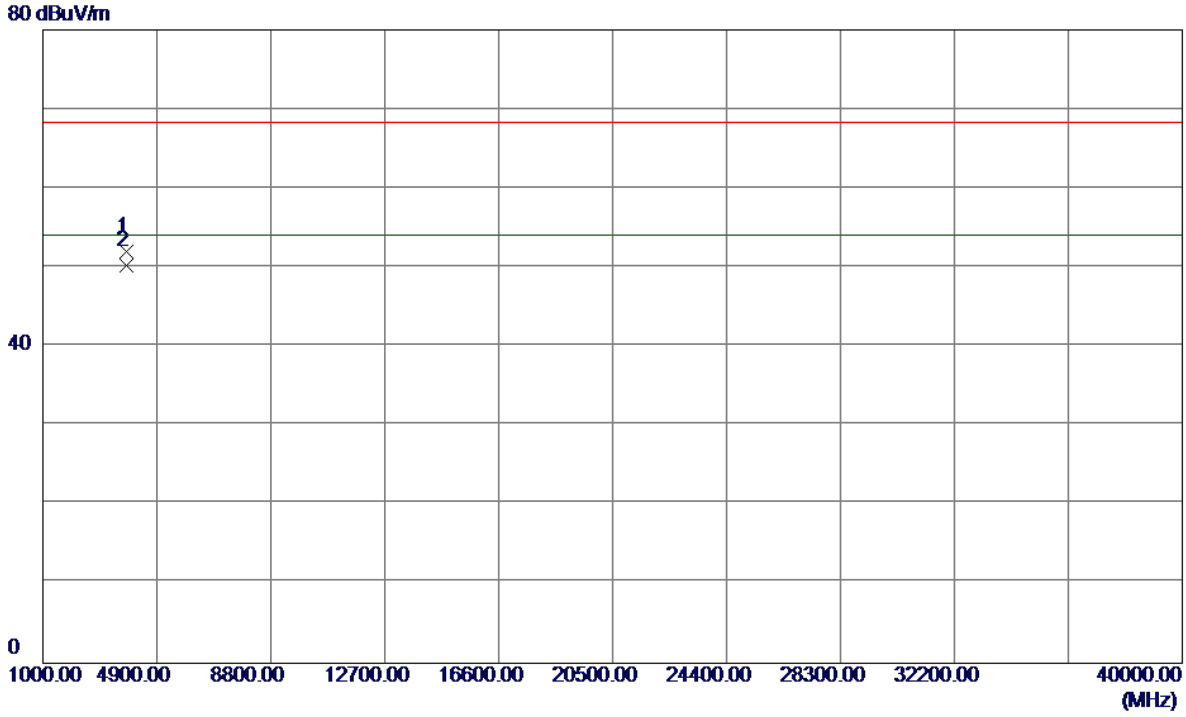
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5786.2000	44.87	43.74	88.61	122.30	-33.69	AVG	
2 *	5786.5000	54.17	43.75	97.92	122.30	-24.38	Peak	

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

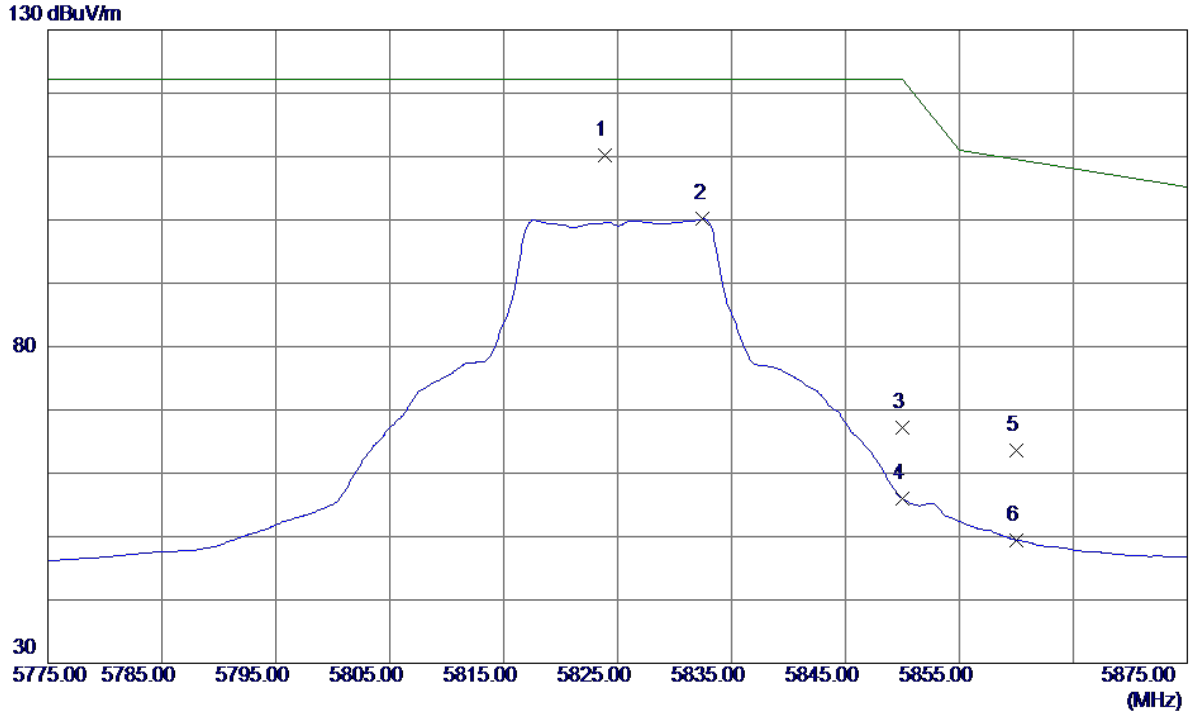
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3856.6700	48.01	4.00	52.01	68.30	-16.29	Peak	
2 *	3856.6800	46.28	4.00	50.28	54.00	-3.72	AVG	

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

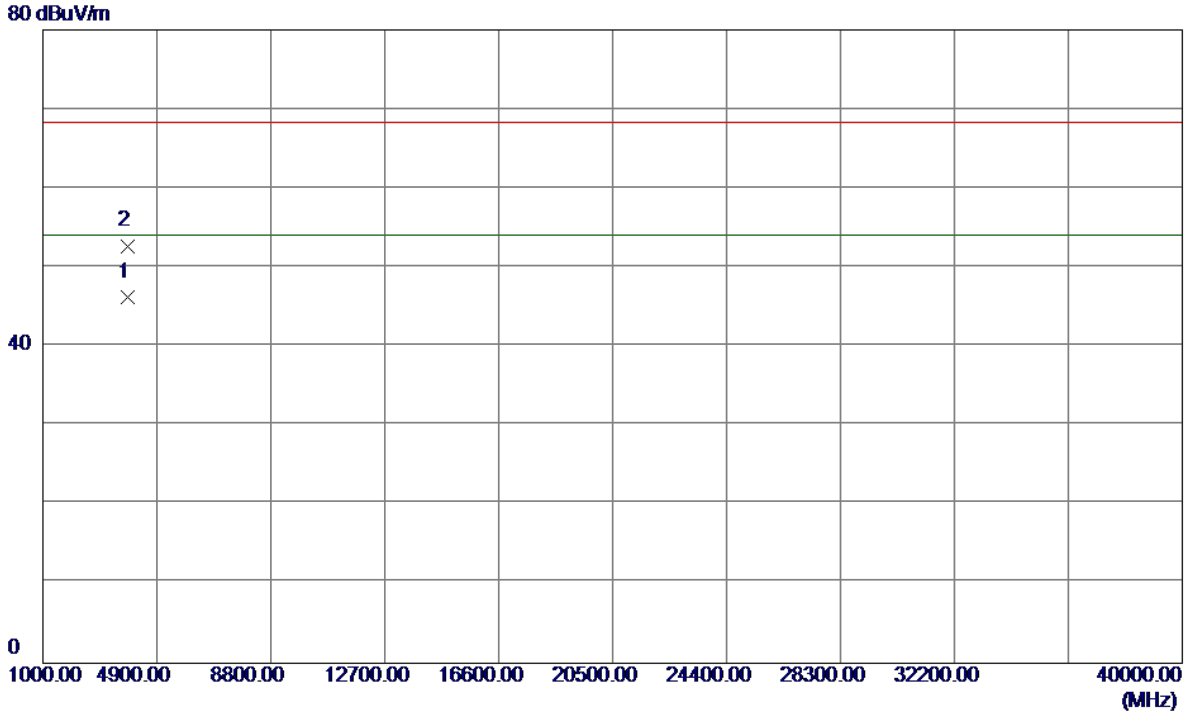
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5823.9000	66.42	43.86	110.28	122.30	-12.02	Peak	
2	5832.5000	56.26	43.88	100.14	122.30	-22.16	AVG	
3	5850.0000	23.19	43.94	67.13	122.30	-55.17	Peak	
4	5850.0000	12.01	43.94	55.95	122.30	-66.35	AVG	
5	5860.0000	19.58	43.97	63.55	109.50	-45.95	Peak	
6	5860.0000	5.46	43.97	49.43	109.50	-60.07	AVG	

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

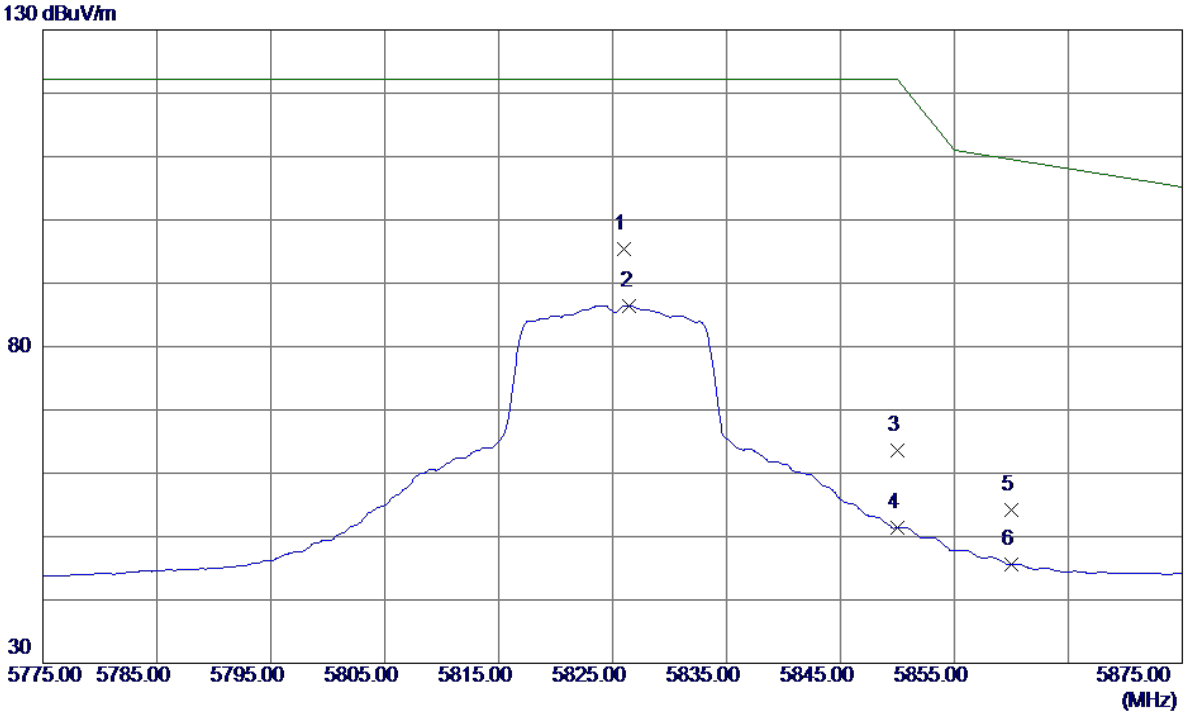
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3883.2210	42.10	4.07	46.17	54.00	-7.83	AVG	
2	3883.3910	48.65	4.07	52.72	68.30	-15.58	Peak	

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

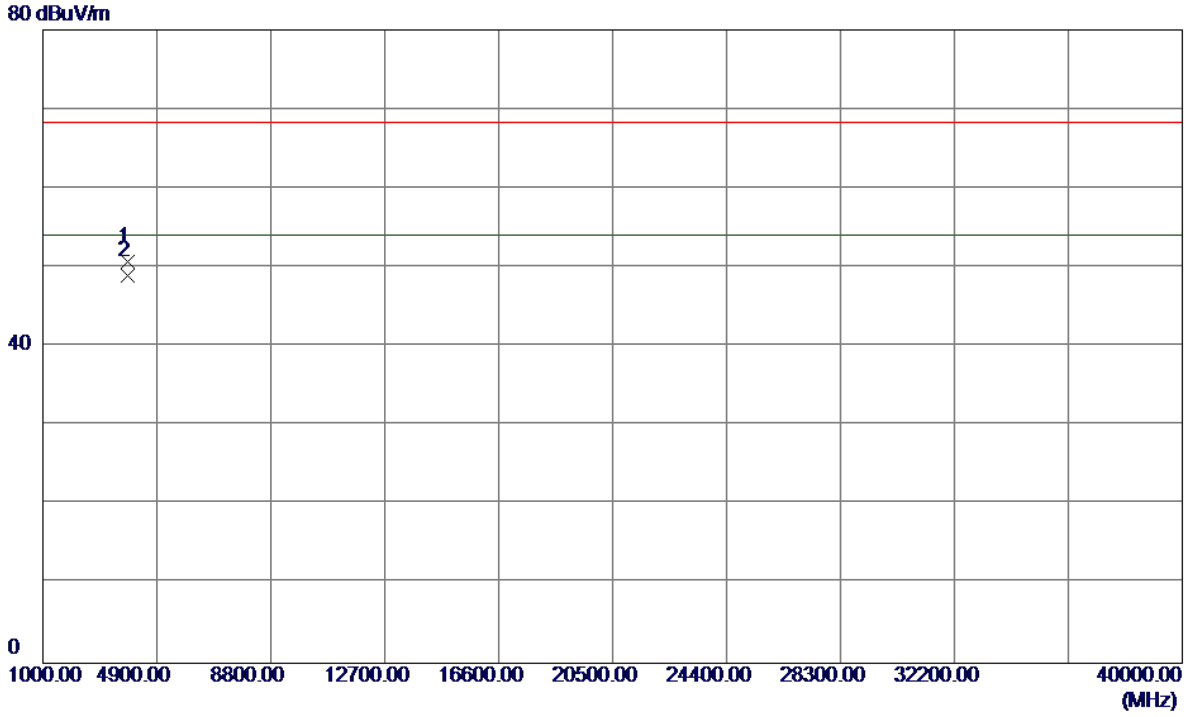
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5826.0000	51.55	43.86	95.41	122.30	-26.89	Peak	
2	5826.5000	42.58	43.87	86.45	122.30	-35.85	AVG	
3	5850.0000	19.58	43.94	63.52	122.30	-58.78	Peak	
4	5850.0000	7.42	43.94	51.36	122.30	-70.94	AVG	
5	5860.0000	10.19	43.97	54.16	109.50	-55.34	Peak	
6	5860.0000	1.58	43.97	45.55	109.50	-63.95	AVG	

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

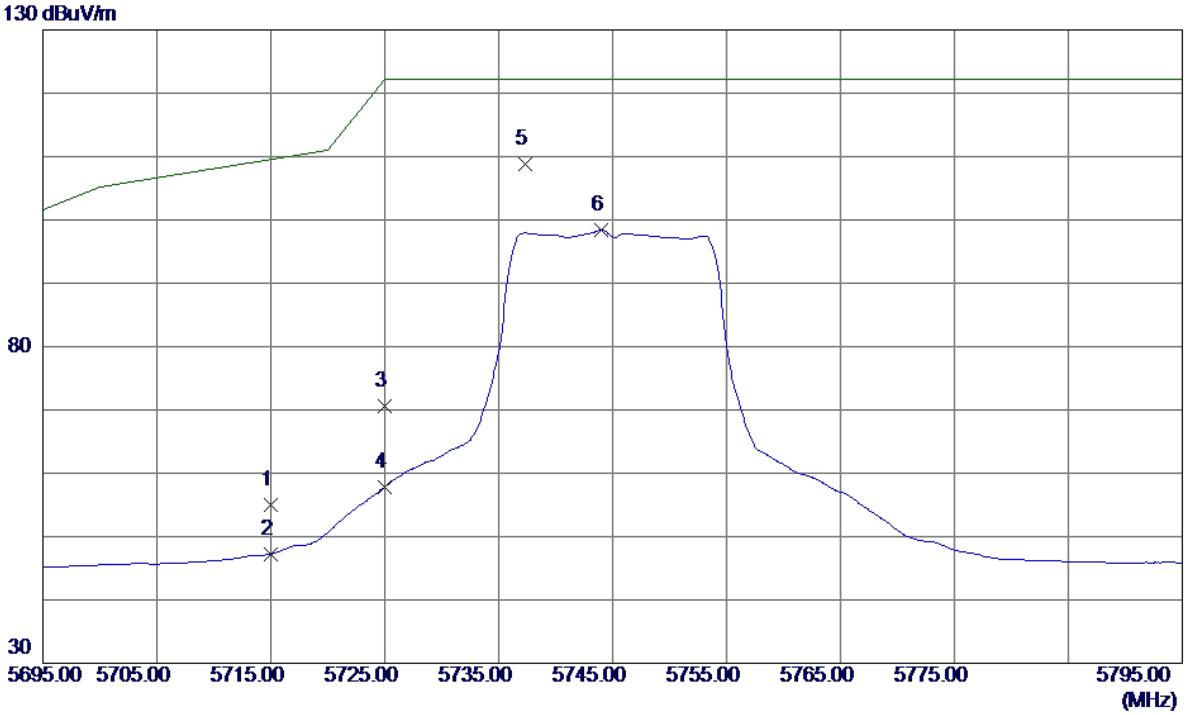
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.3400	46.63	4.07	50.70	68.30	-17.60	Peak	
2 *	3883.3450	44.83	4.07	48.90	54.00	-5.10	AVG	

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

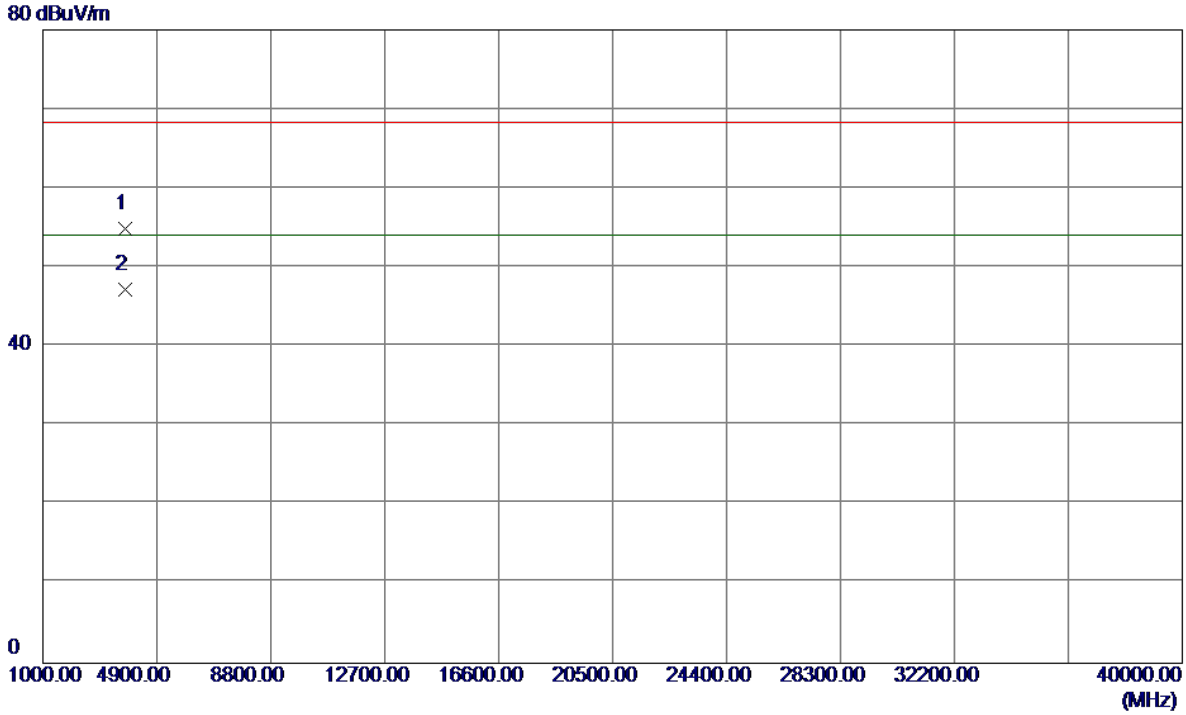
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	11.38	43.53	54.91	109.50	-54.59	Peak	
2	5715.0000	3.73	43.53	47.26	109.50	-62.24	AVG	
3	5725.0000	27.12	43.56	70.68	122.30	-51.62	Peak	
4	5725.0000	14.30	43.56	57.86	122.30	-64.44	AVG	
5 *	5737.3000	65.17	43.60	108.77	122.30	-13.53	Peak	
6	5744.0000	54.73	43.62	98.35	122.30	-23.95	AVG	

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

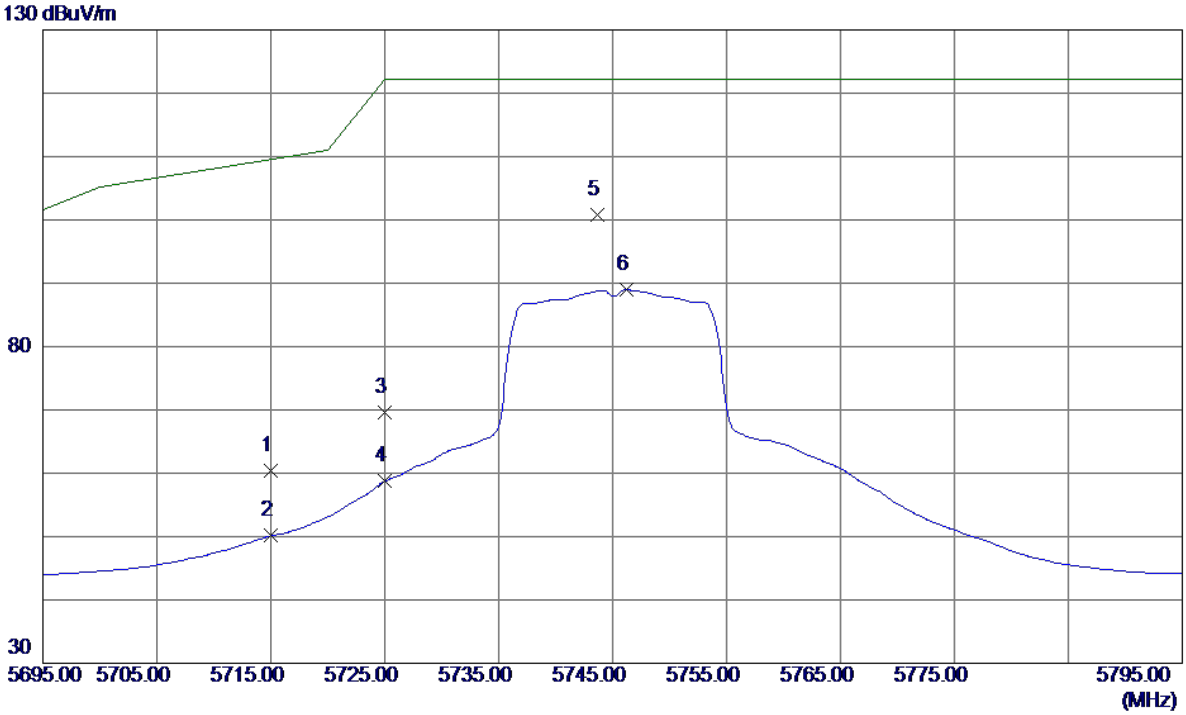
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3830.1480	50.97	3.94	54.91	68.30	-13.39	Peak	
2 *	3830.2450	43.33	3.94	47.27	54.00	-6.73	AVG	

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

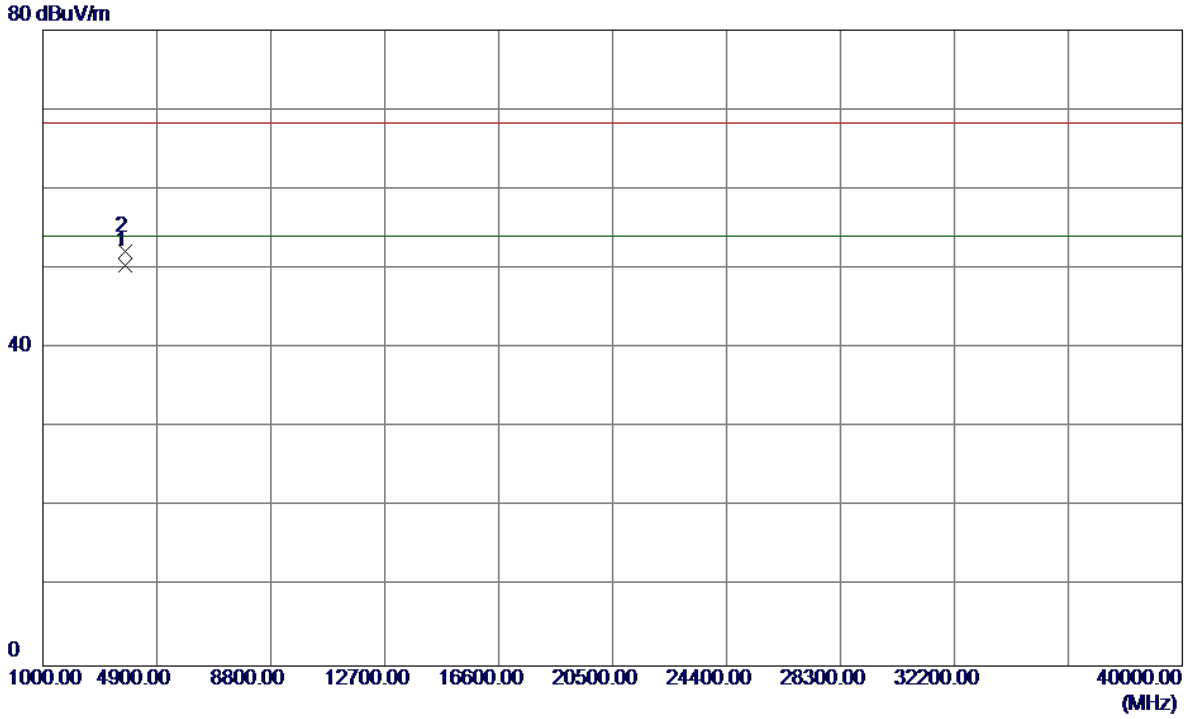
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	16.88	43.53	60.41	109.50	-49.09	Peak	
2	5715.0000	6.58	43.53	50.11	109.50	-59.39	AVG	
3	5725.0000	25.95	43.56	69.51	122.30	-52.79	Peak	
4	5725.0000	15.17	43.56	58.73	122.30	-63.57	AVG	
5 *	5743.7000	57.19	43.62	100.81	122.30	-21.49	Peak	
6	5746.2000	45.35	43.62	88.97	122.30	-33.33	AVG	

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

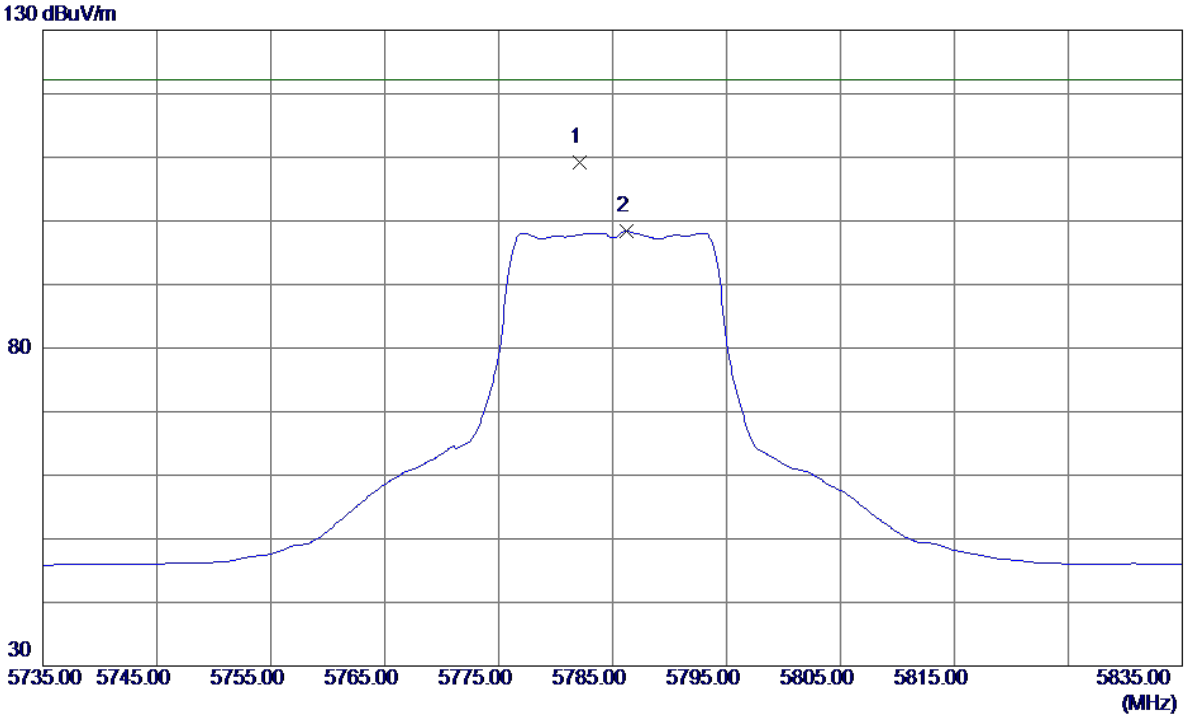
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3830.0250	46.44	3.93	50.37	54.00	-3.63	AVG	
2	3830.0700	48.23	3.93	52.16	68.30	-16.14	Peak	

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

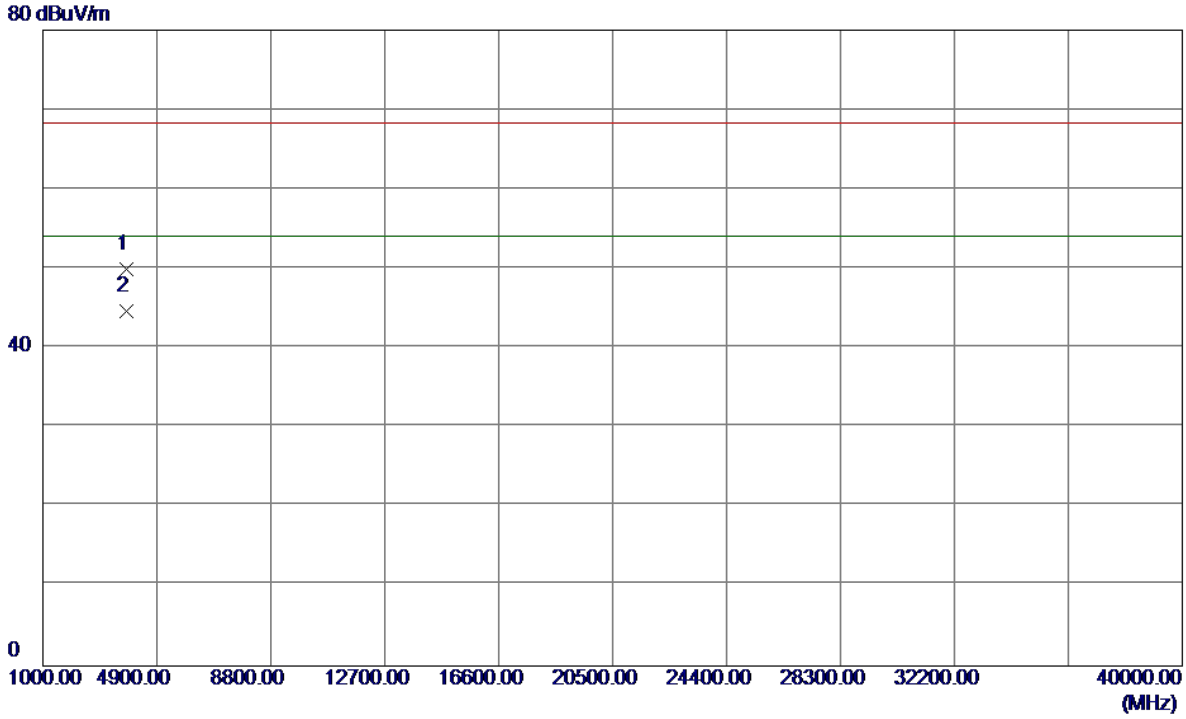
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5782.1000	65.50	43.73	109.23	122.30	-13.07	Peak	
2	5786.2000	54.60	43.74	98.34	122.30	-23.96	AVG	

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

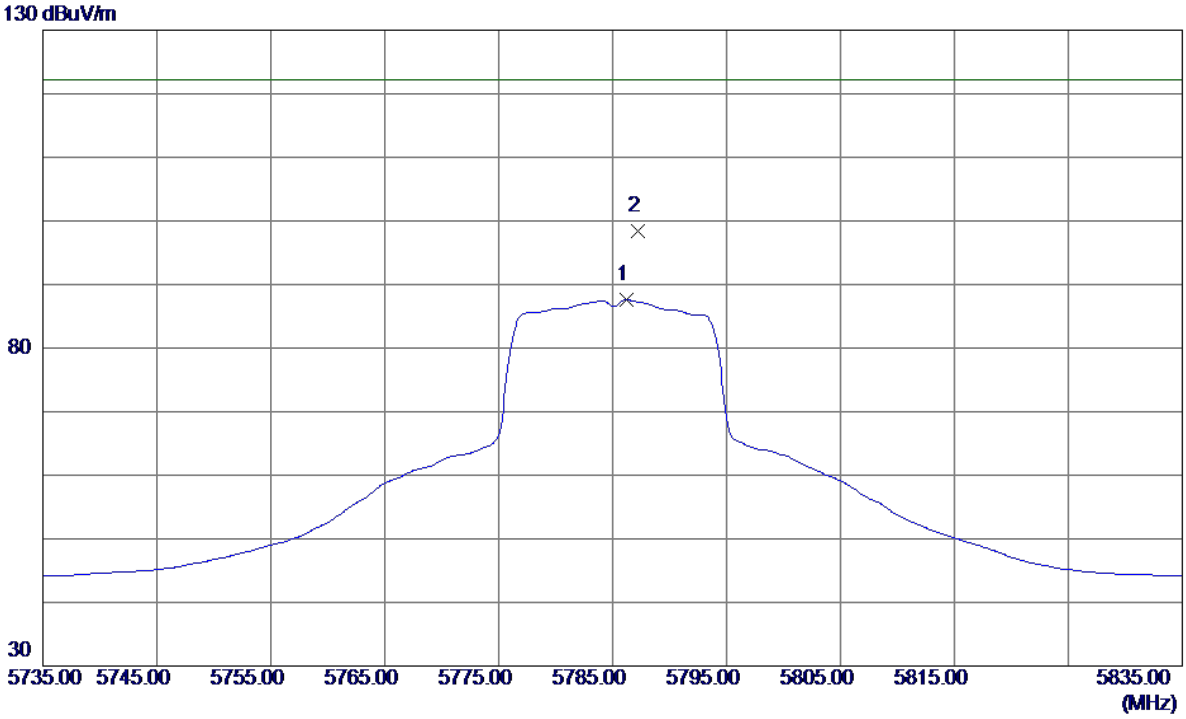
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3856.1160	45.91	4.00	49.91	68.30	-18.39	Peak	
2 *	3856.2470	40.63	4.00	44.63	54.00	-9.37	AVG	

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

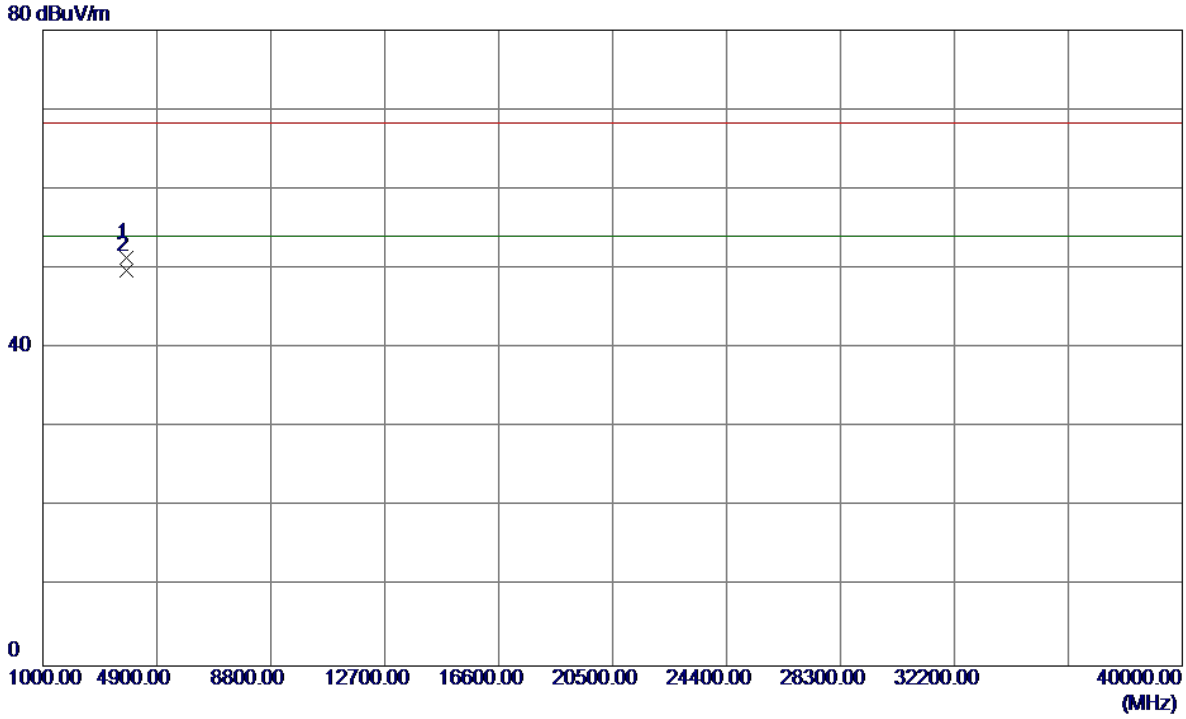
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5786.2000	43.82	43.74	87.56	122.30	-34.74	AVG	
2 *	5787.2000	54.63	43.75	98.38	122.30	-23.92	Peak	

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

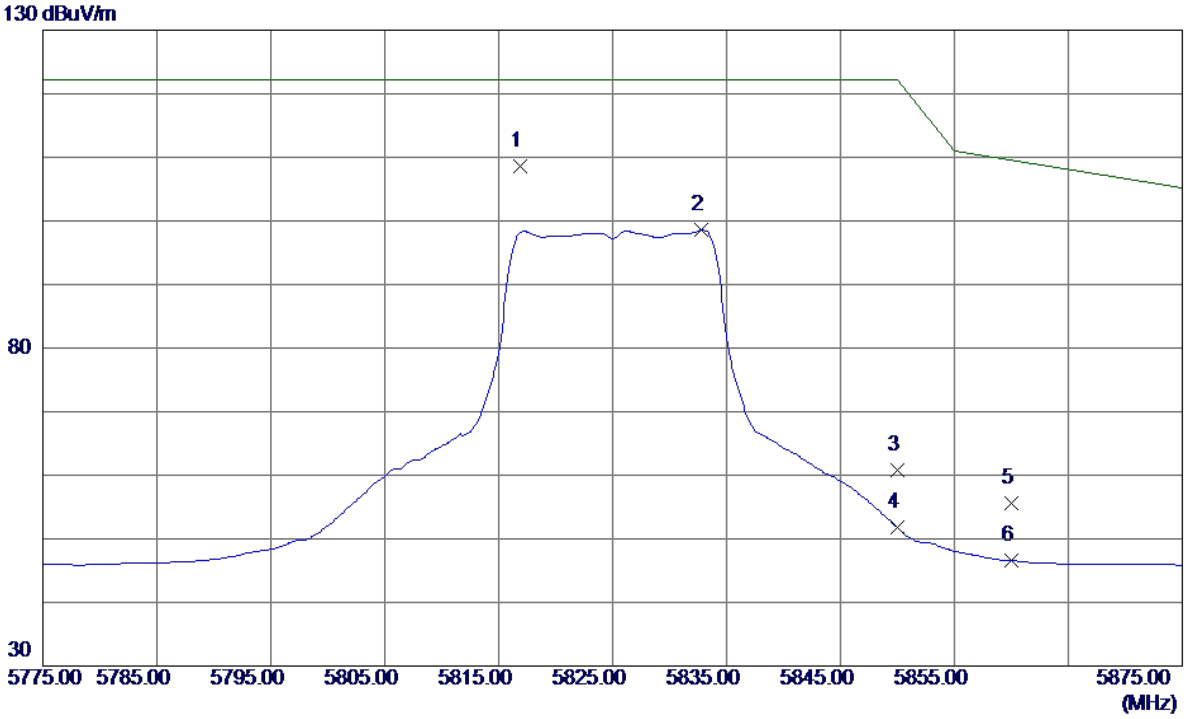
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3856.6650	47.34	4.00	51.34	68.30	-16.96	Peak	
2 *	3856.6900	45.78	4.00	49.78	54.00	-4.22	AVG	

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

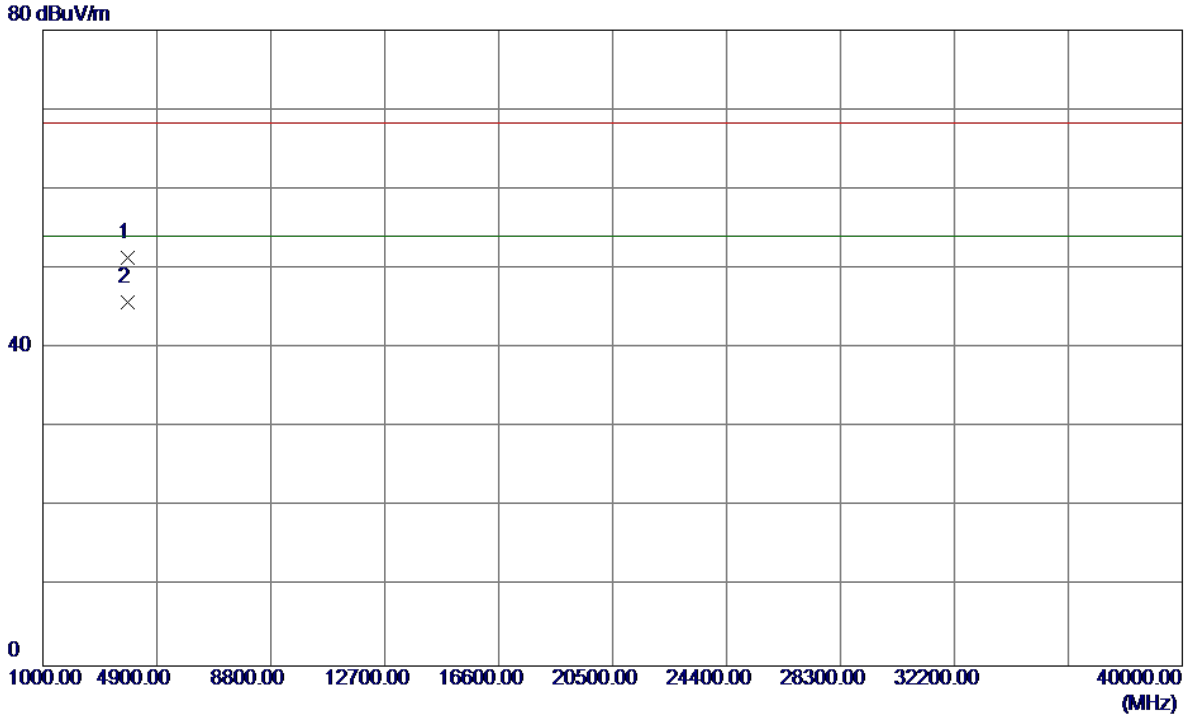
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5816.9000	64.76	43.84	108.60	122.30	-13.70	Peak	
2	5832.8000	54.65	43.88	98.53	122.30	-23.77	AVG	
3	5850.0000	16.85	43.94	60.79	122.30	-61.51	Peak	
4	5850.0000	7.80	43.94	51.74	122.30	-70.56	AVG	
5	5860.0000	11.64	43.97	55.61	109.50	-53.89	Peak	
6	5860.0000	2.58	43.97	46.55	109.50	-62.95	AVG	

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

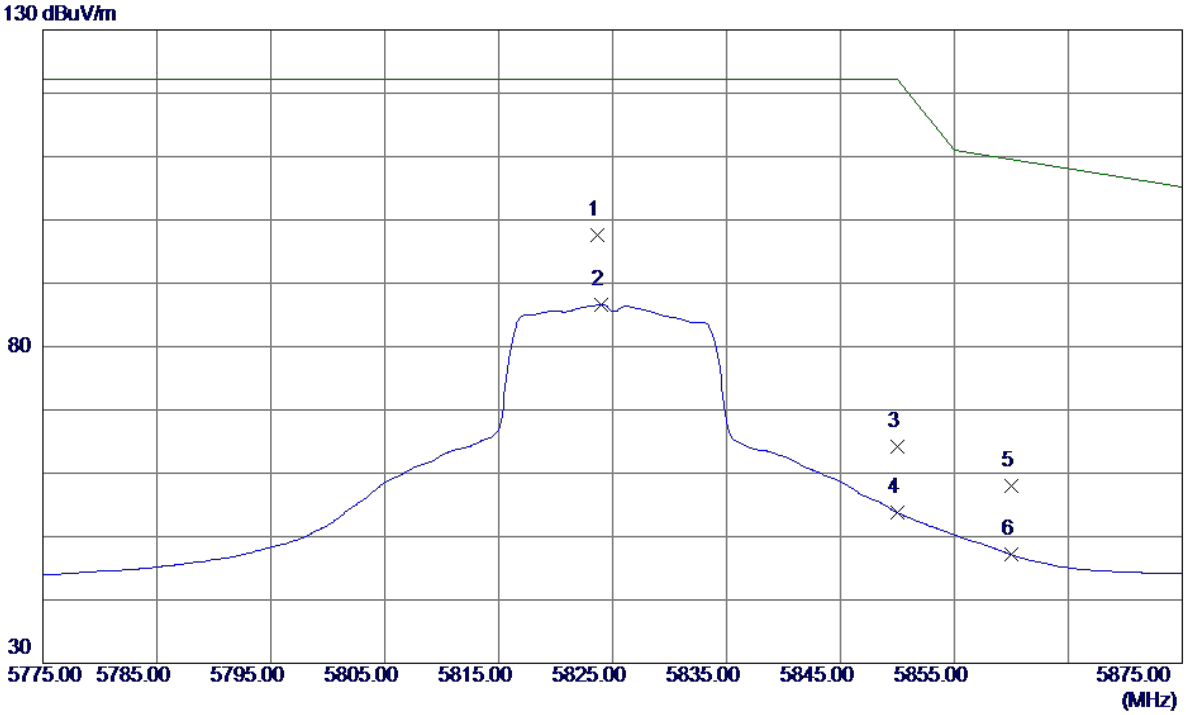
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.0040	47.28	4.07	51.35	68.30	-16.95	Peak	
2 *	3883.2770	41.62	4.07	45.69	54.00	-8.31	AVG	

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

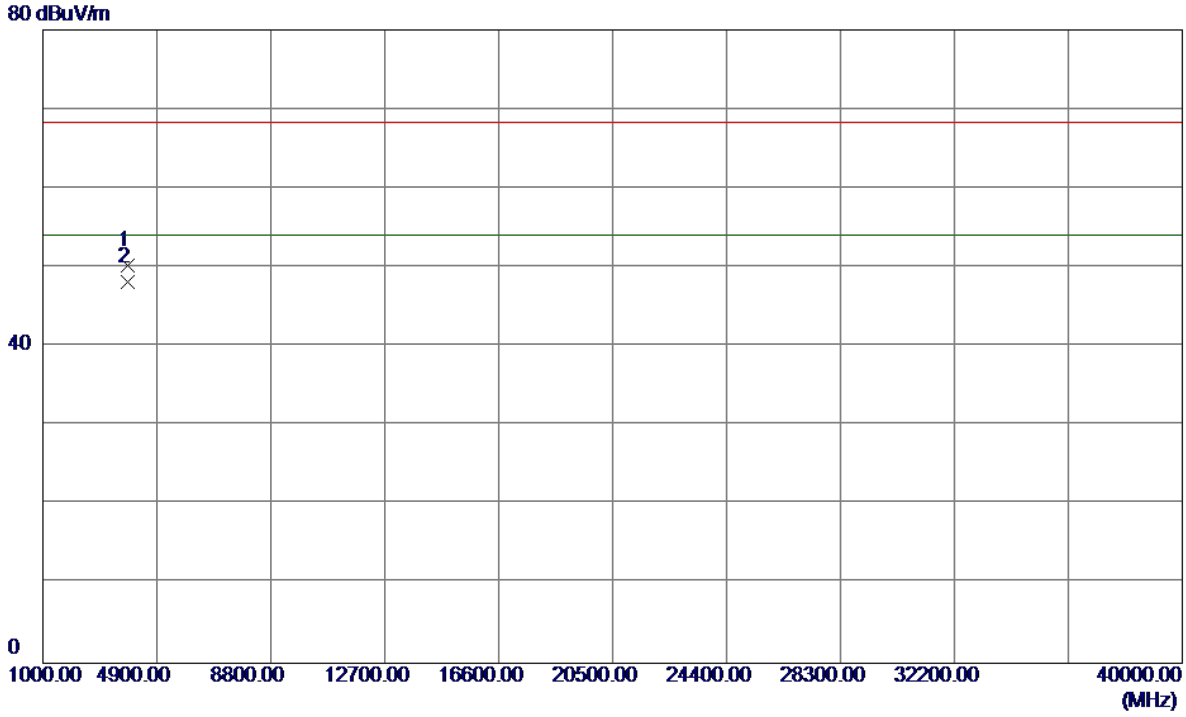
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5823.7000	53.67	43.86	97.53	122.30	-24.77	Peak	
2	5824.0000	42.76	43.86	86.62	122.30	-35.68	AVG	
3	5850.0000	20.25	43.94	64.19	122.30	-58.11	Peak	
4	5850.0000	9.82	43.94	53.76	122.30	-68.54	AVG	
5	5860.0000	13.99	43.97	57.96	109.50	-51.54	Peak	
6	5860.0000	3.15	43.97	47.12	109.50	-62.38	AVG	

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

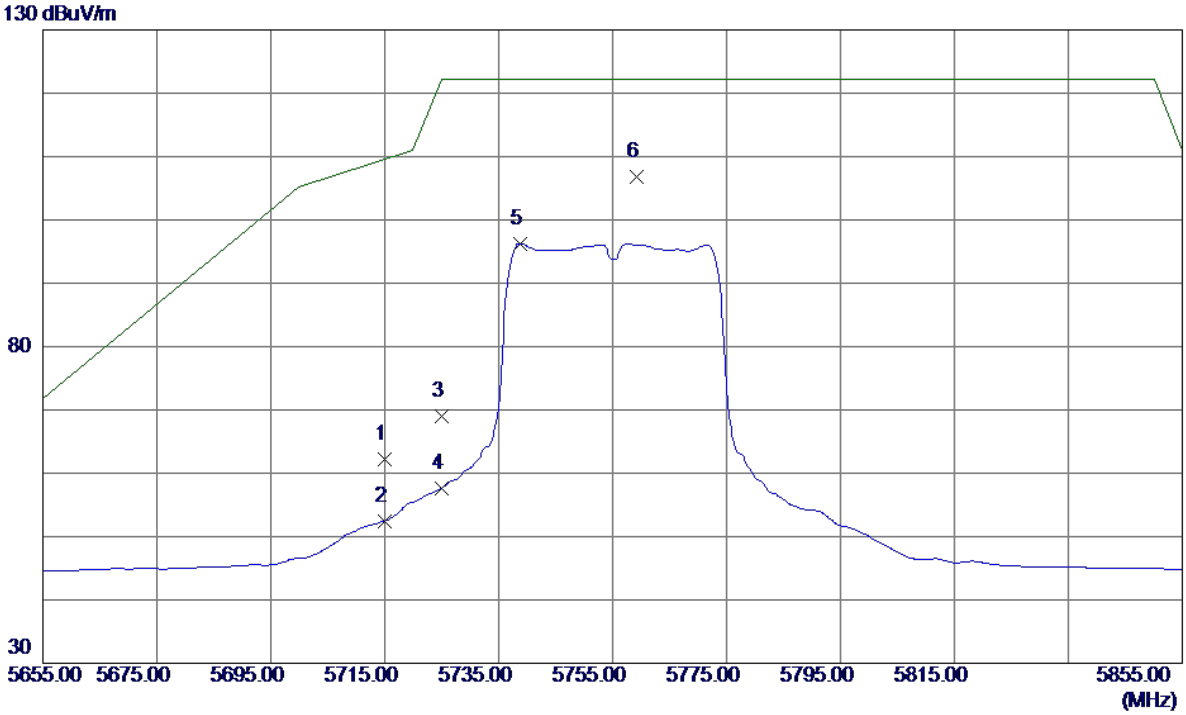
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.3050	46.15	4.07	50.22	68.30	-18.08	Peak	
2 *	3883.3750	44.14	4.07	48.21	54.00	-5.79	AVG	

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

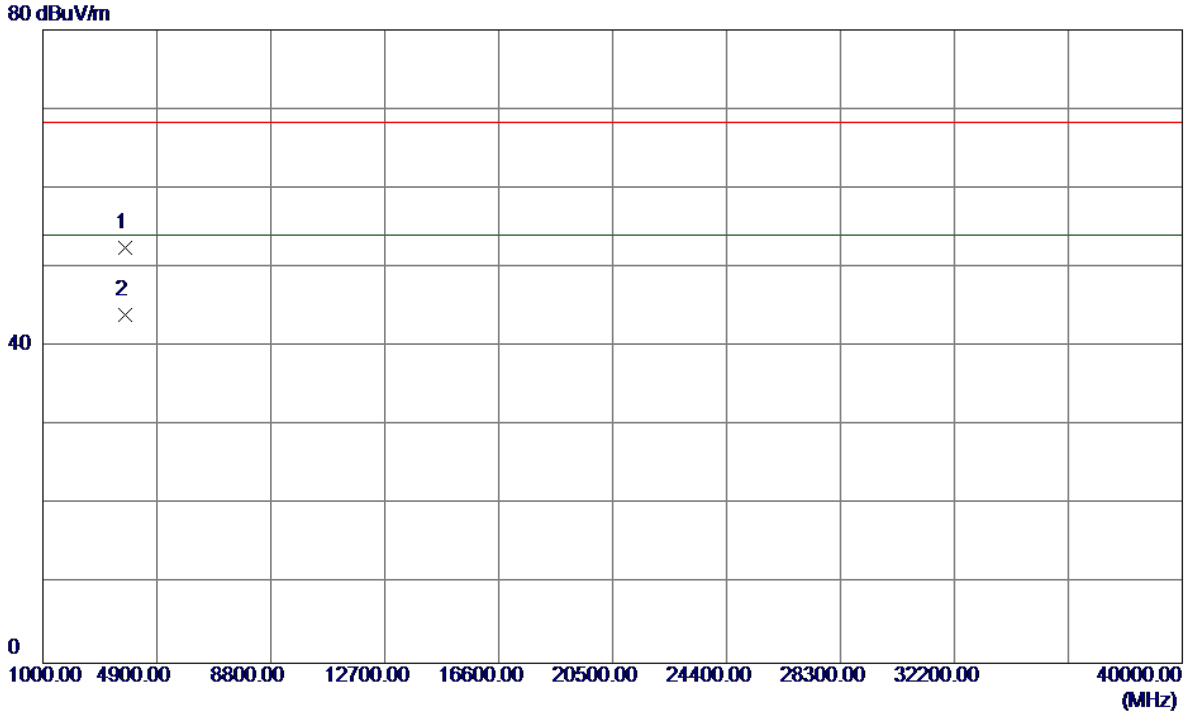
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	18.70	43.53	62.23	109.50	-47.27	Peak	
2	5715.0000	8.94	43.53	52.47	109.50	-57.03	AVG	
3	5725.0000	25.48	43.56	69.04	122.30	-53.26	Peak	
4	5725.0000	14.10	43.56	57.66	122.30	-64.64	AVG	
5	5738.8000	52.62	43.60	96.22	122.30	-26.08	AVG	
6 *	5759.2000	63.12	43.66	106.78	122.30	-15.52	Peak	

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

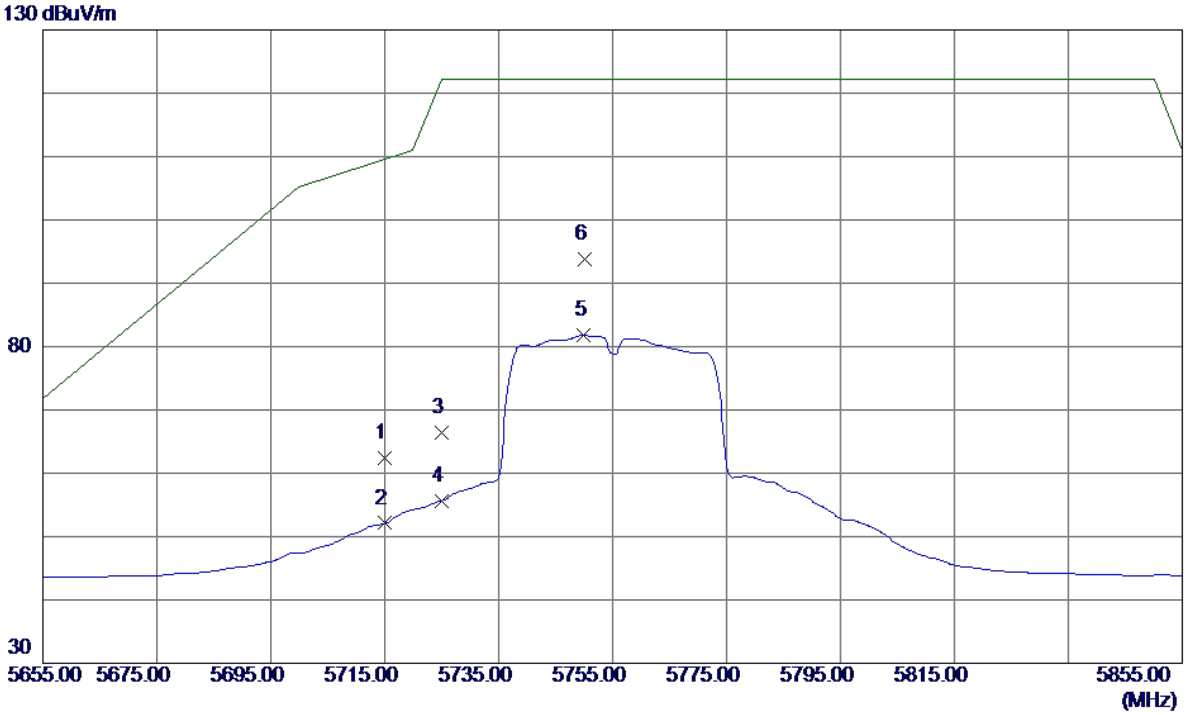
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3836.0430	48.56	3.95	52.51	68.30	-15.79	Peak	
2 *	3836.4720	40.12	3.95	44.07	54.00	-9.93	AVG	

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

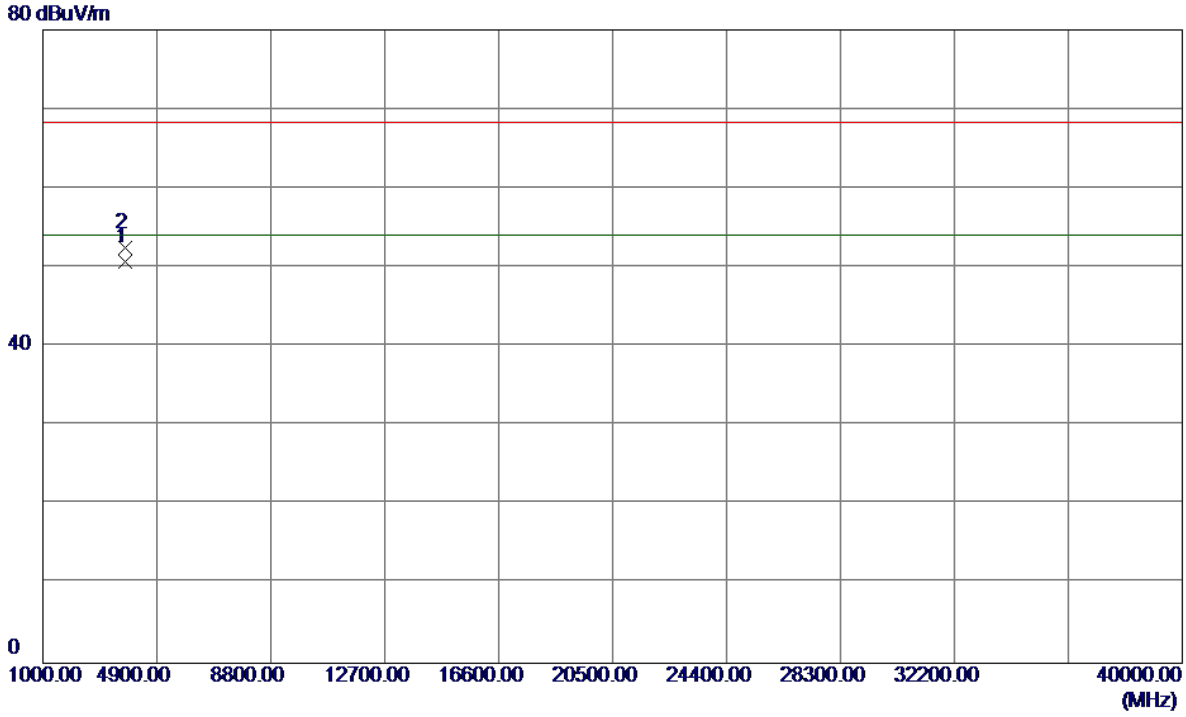
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	18.96	43.53	62.49	109.50	-47.01	Peak	
2	5715.0000	8.57	43.53	52.10	109.50	-57.40	AVG	
3	5725.0000	22.83	43.56	66.39	122.30	-55.91	Peak	
4	5725.0000	12.10	43.56	55.66	122.30	-66.64	AVG	
5	5750.0000	38.15	43.63	81.78	122.30	-40.52	AVG	
6 *	5750.2000	50.18	43.64	93.82	122.30	-28.48	Peak	

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

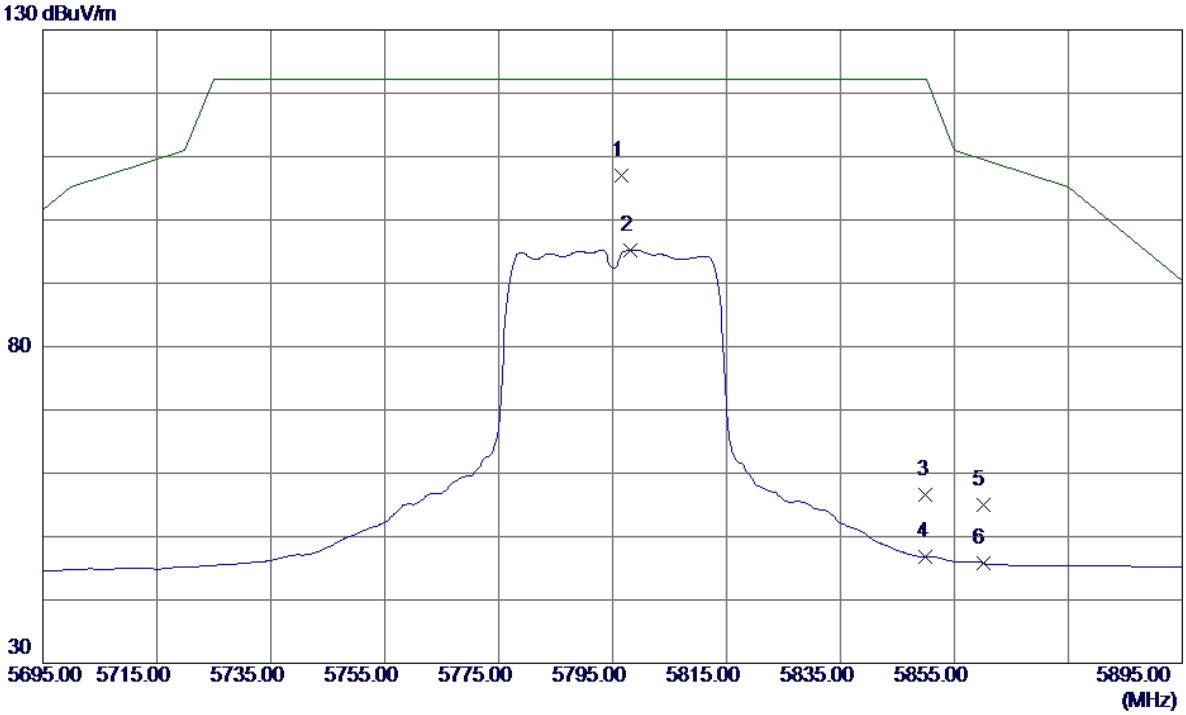
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3836.6900	46.81	3.95	50.76	54.00	-3.24	AVG	
2	3836.6950	48.49	3.95	52.44	68.30	-15.86	Peak	

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

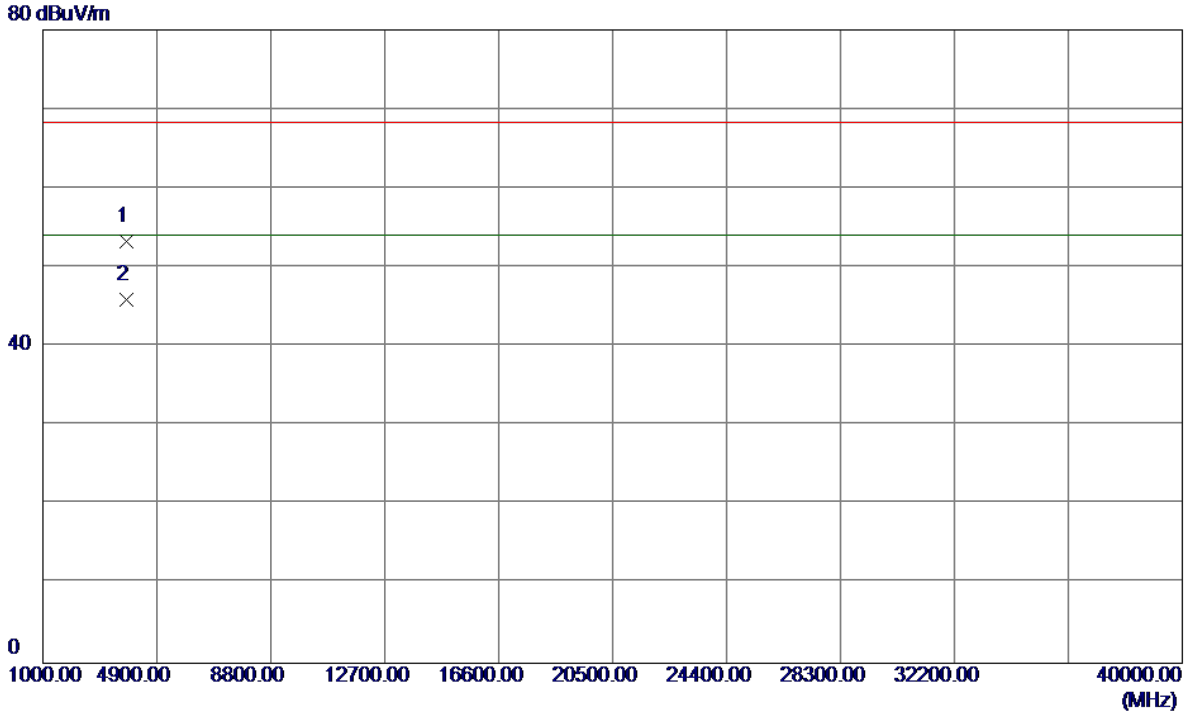
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5796.6000	63.21	43.78	106.99	122.30	-15.31	Peak	
2	5798.2000	51.49	43.78	95.27	122.30	-27.03	AVG	
3	5850.0000	12.70	43.94	56.64	122.30	-65.66	Peak	
4	5850.0000	2.85	43.94	46.79	122.30	-75.51	AVG	
5	5860.0000	11.04	43.97	55.01	109.50	-54.49	Peak	
6	5860.0000	1.85	43.97	45.82	109.50	-63.68	AVG	

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

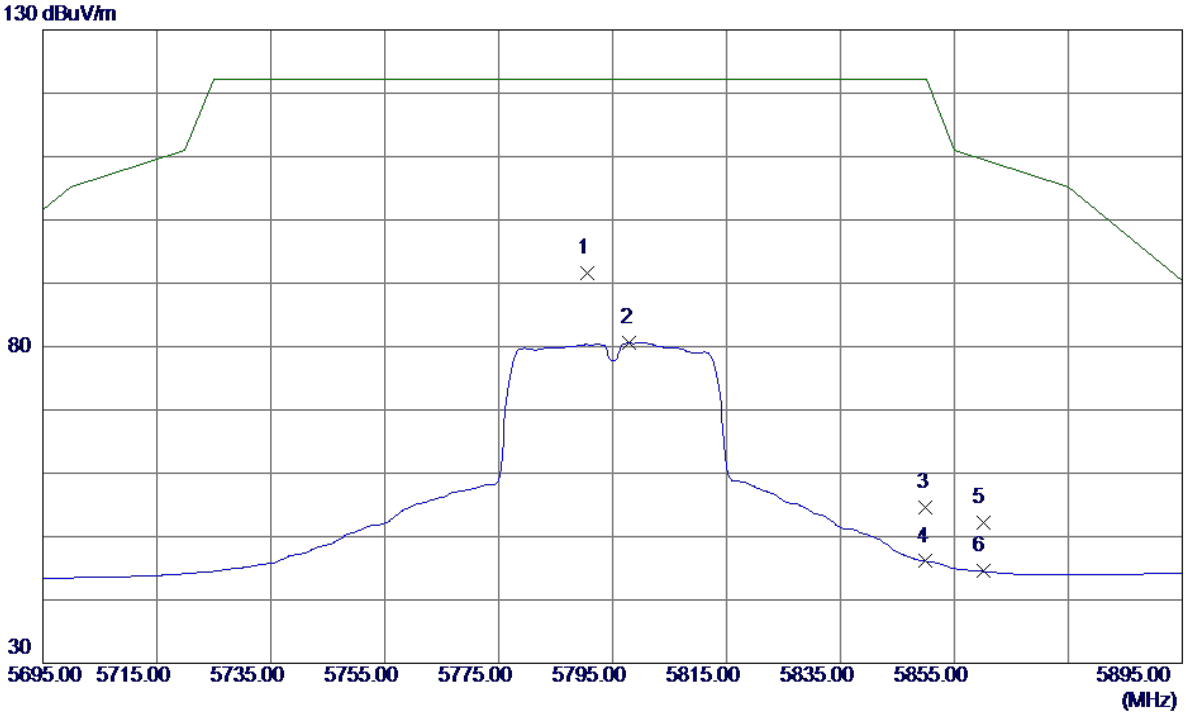
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3863.0140	49.24	4.02	53.26	68.30	-15.04	Peak	
2 *	3863.9720	41.83	4.02	45.85	54.00	-8.15	AVG	

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

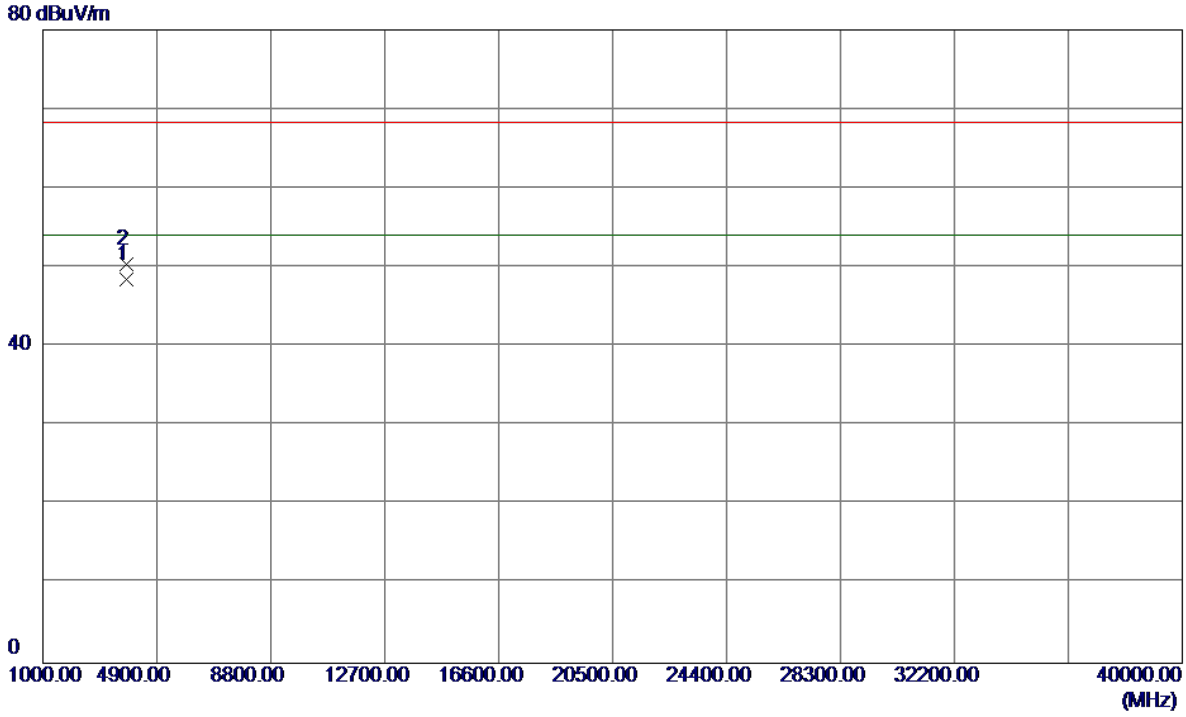
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5790.6000	47.78	43.76	91.54	122.30	-30.76	Peak	
2	5798.0000	36.80	43.78	80.58	122.30	-41.72	AVG	
3	5850.0000	10.72	43.94	54.66	122.30	-67.64	Peak	
4	5850.0000	2.16	43.94	46.10	122.30	-76.20	AVG	
5	5860.0000	8.22	43.97	52.19	109.50	-57.31	Peak	
6	5860.0000	0.54	43.97	44.51	109.50	-64.99	AVG	

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

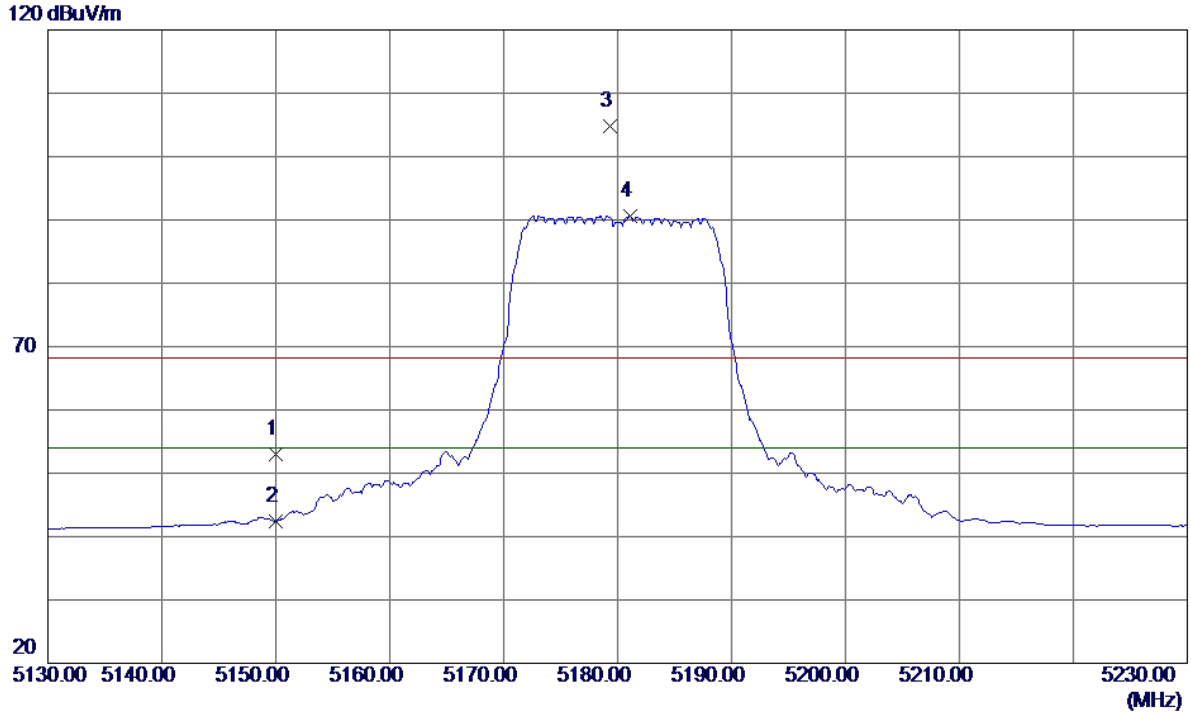
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3863.3600	44.50	4.02	48.52	54.00	-5.48	AVG	
2	3863.4500	46.45	4.02	50.47	68.30	-17.83	Peak	

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

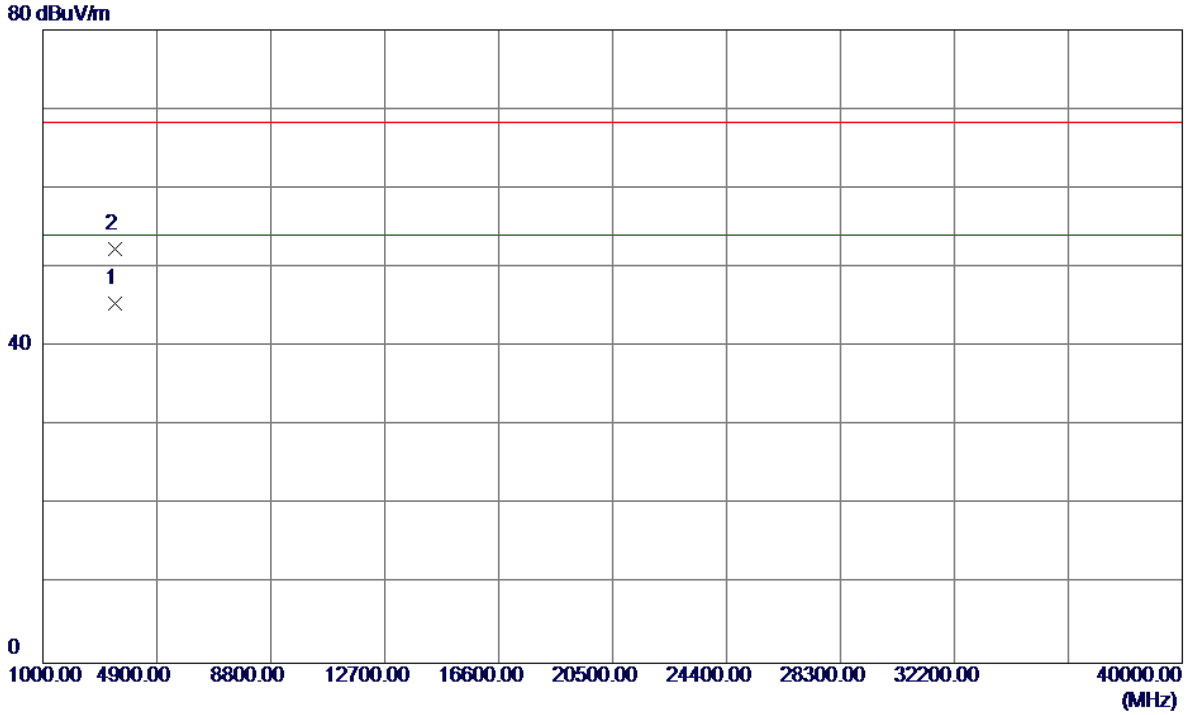
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	11.96	41.10	53.06	68.30	-15.24	Peak	
2	5150.0000	1.25	41.10	42.35	54.00	-11.65	AVG	
3	5179.3000	63.59	41.25	104.84	68.30	36.54	Peak	No Limit
4 *	5181.1000	49.33	41.26	90.59	54.00	36.59	AVG	No Limit

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

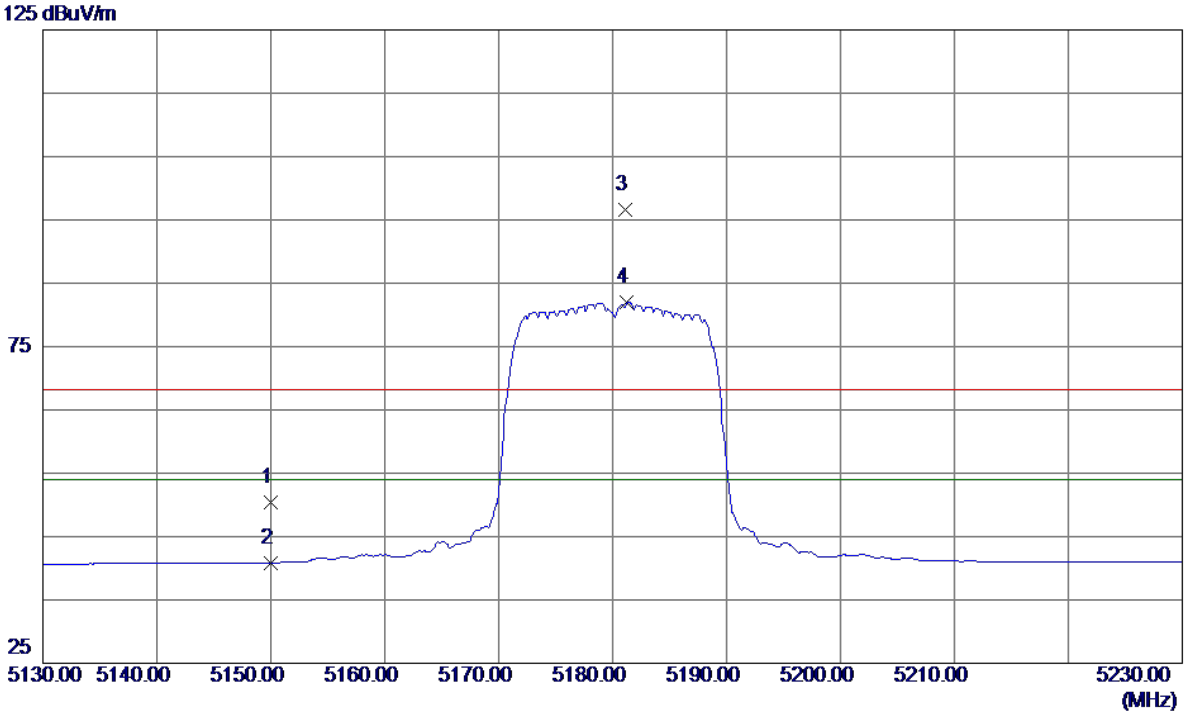
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3453.2240	42.50	2.96	45.46	54.00	-8.54	AVG	
2	3453.6710	49.30	2.96	52.26	68.30	-16.04	Peak	

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

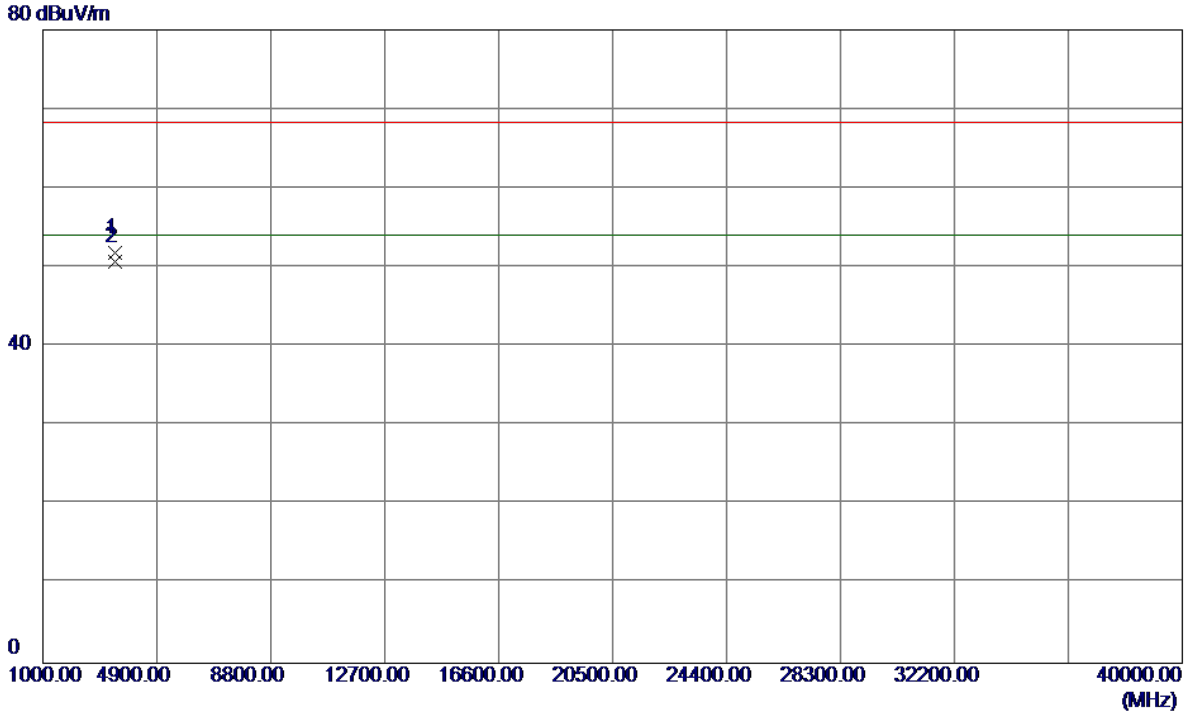
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	9.29	41.10	50.39	68.30	-17.91	Peak	
2	5150.0000	-0.32	41.10	40.78	54.00	-13.22	AVG	
3 *	5181.1000	55.33	41.26	96.59	68.30	28.29	Peak	No Limit
4	5181.2000	40.81	41.26	82.07	54.00	28.07	AVG	No Limit

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

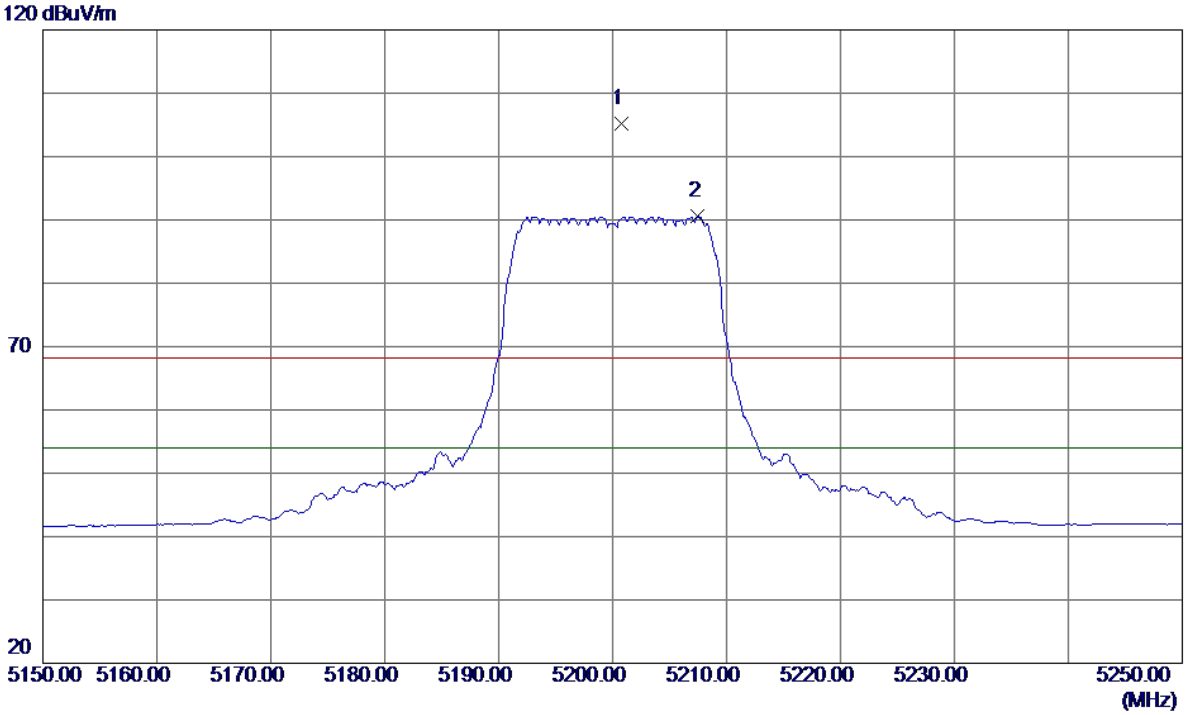
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3453.3420	48.85	2.96	51.81	68.30	-16.49	Peak	
2 *	3453.3540	47.75	2.96	50.71	54.00	-3.29	AVG	

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

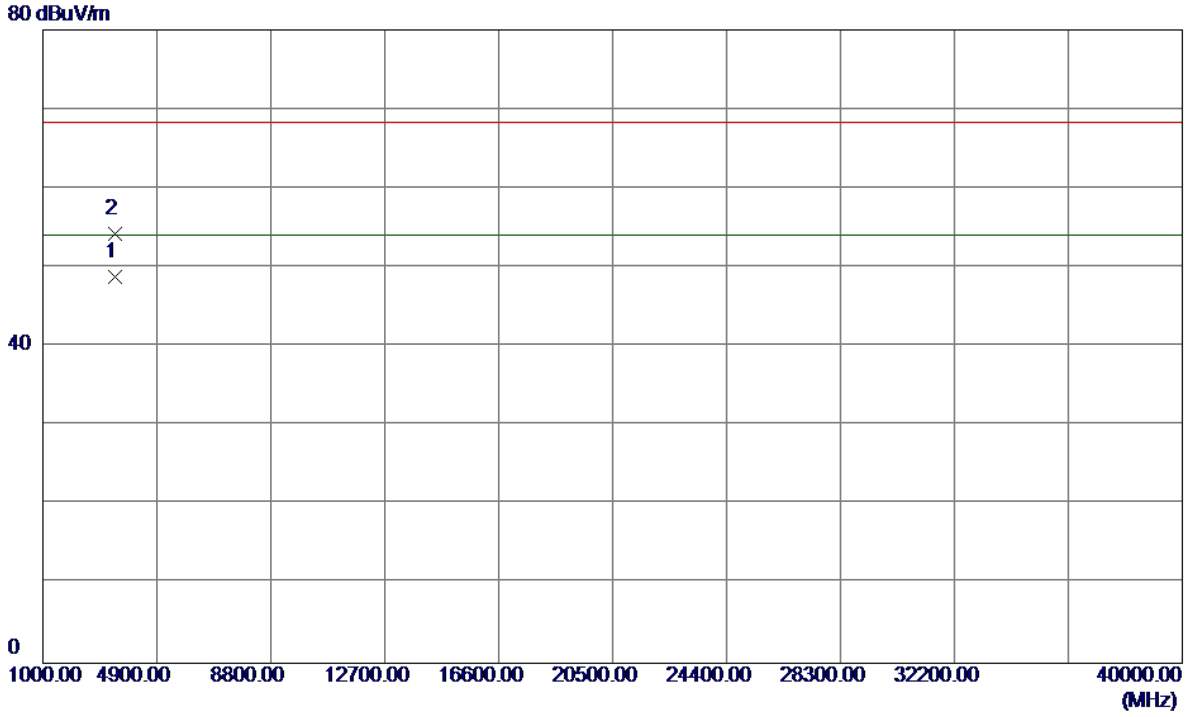
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5200.8000	63.93	41.36	105.29	68.30	36.99	Peak	No Limit
2	5207.5000	49.13	41.39	90.52	54.00	36.52	AVG	No Limit

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

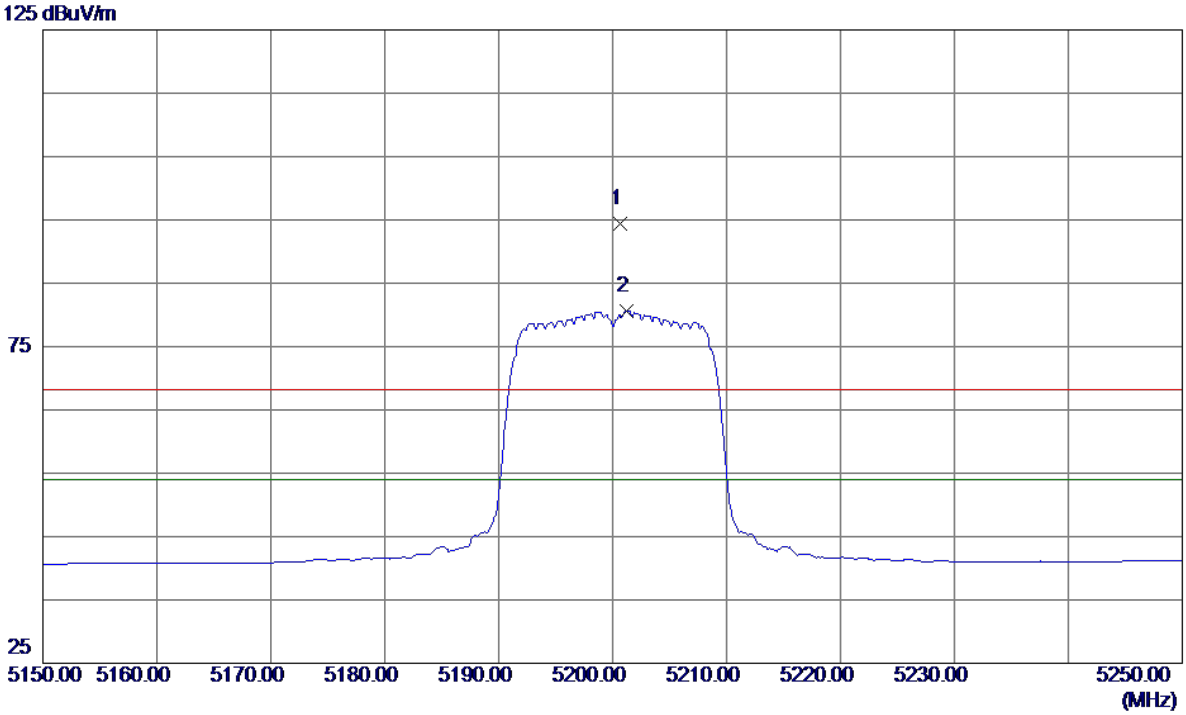
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3466.0210	45.74	3.00	48.74	54.00	-5.26	AVG	
2	3466.5040	51.26	3.00	54.26	68.30	-14.04	Peak	

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

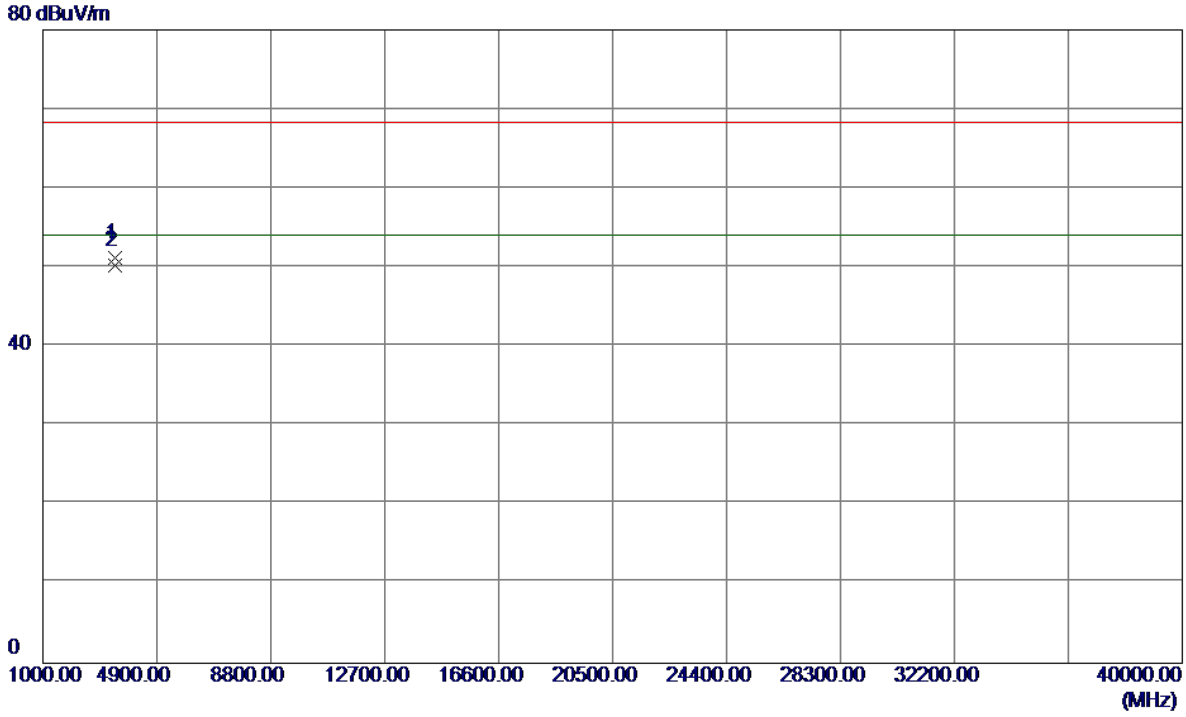
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5200.7000	53.10	41.36	94.46	68.30	26.16	Peak	No Limit
2 *	5201.2000	39.33	41.36	80.69	54.00	26.69	AVG	No Limit

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

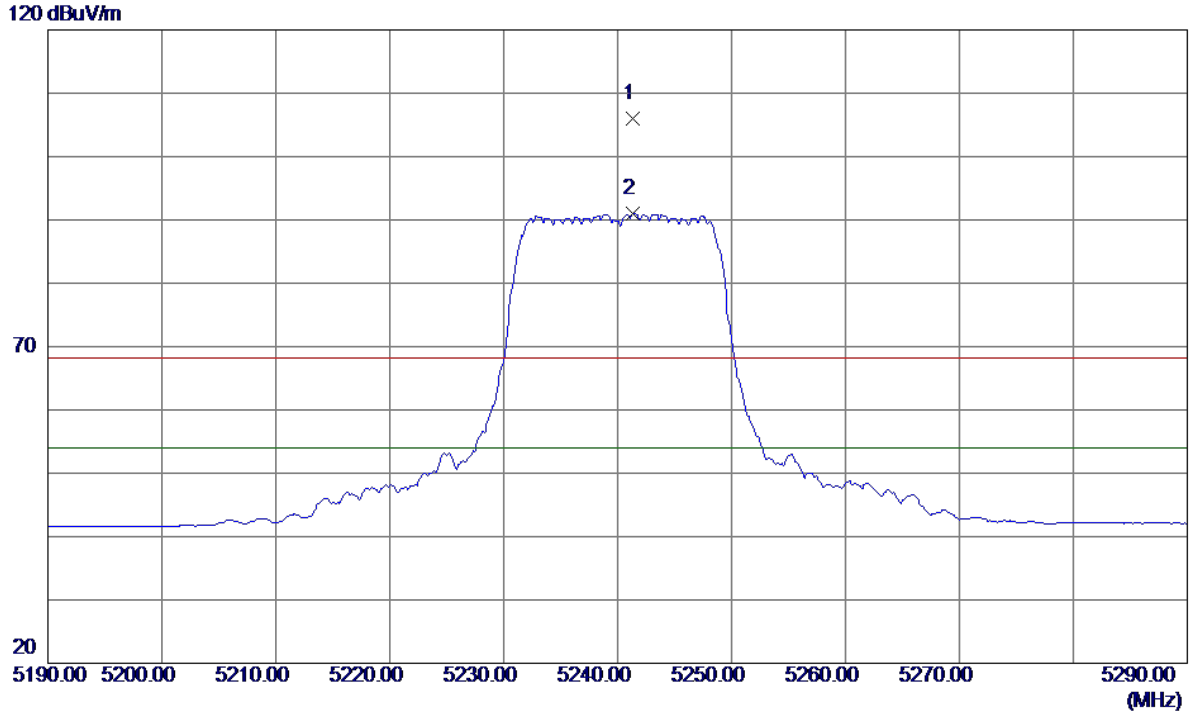
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3466.6280	48.26	3.00	51.26	68.30	-17.04	Peak	
2 *	3466.6640	47.23	3.00	50.23	54.00	-3.77	AVG	

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

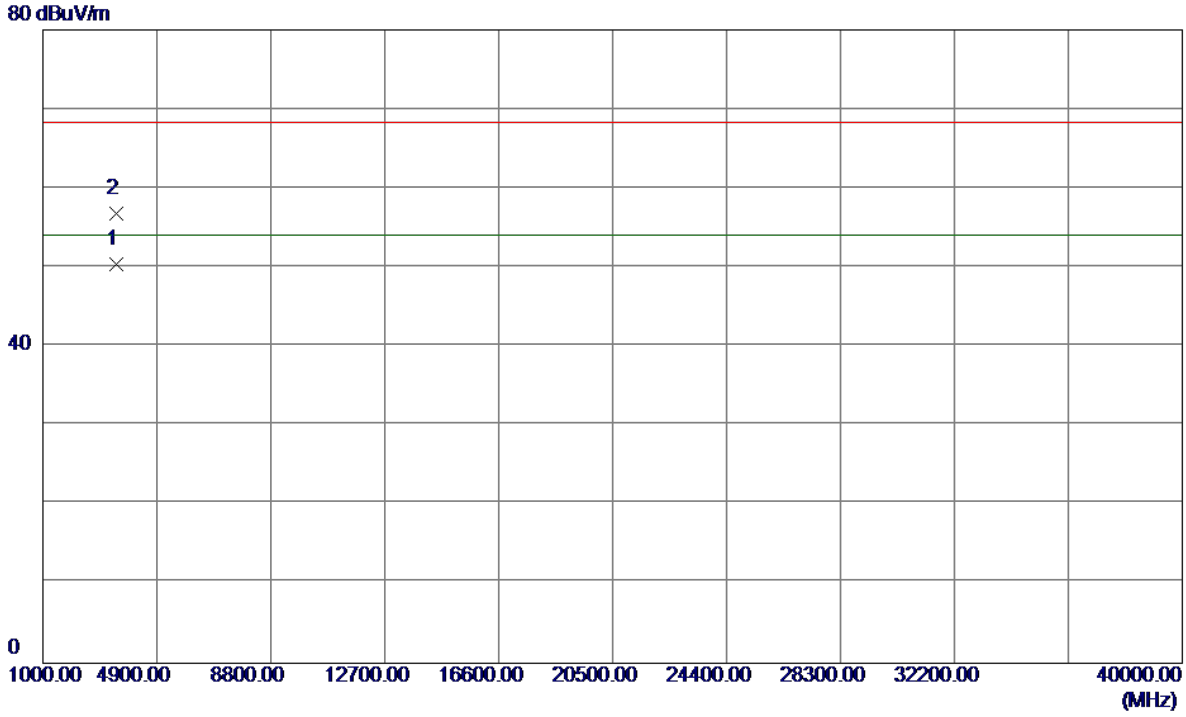
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5241.3000	64.37	41.57	105.94	68.30	37.64	Peak	No Limit
2	5241.3000	49.48	41.57	91.05	54.00	37.05	AVG	No Limit

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

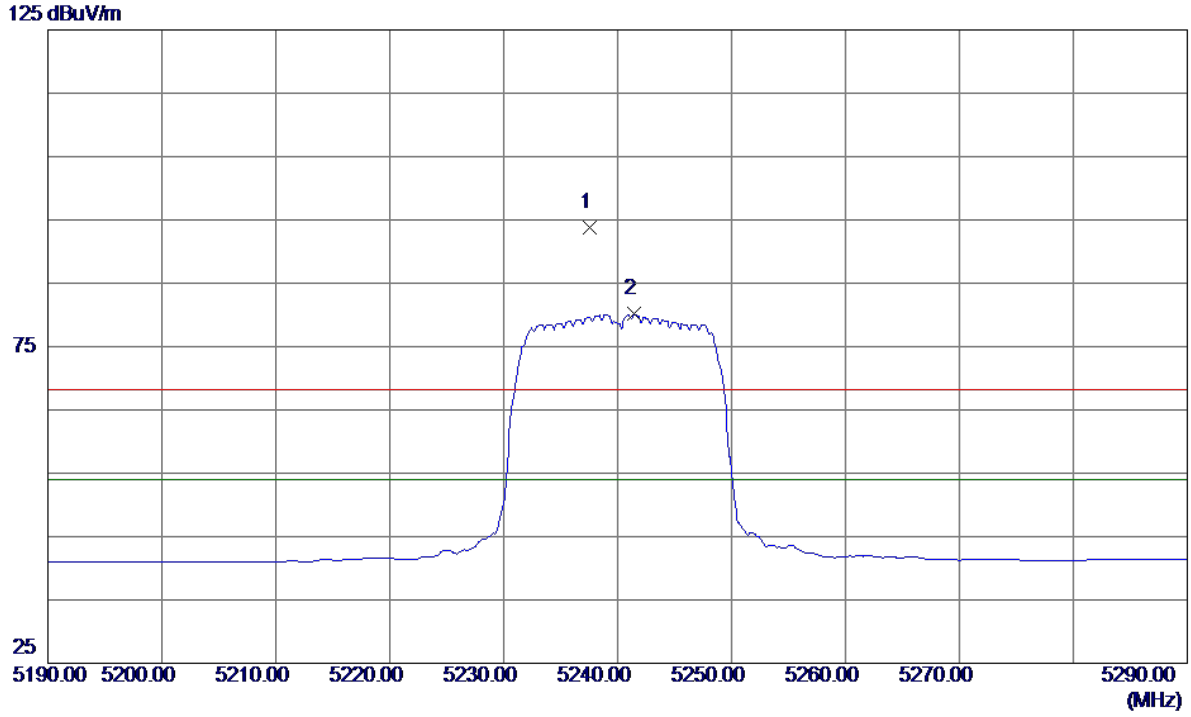
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3493.5470	47.29	3.07	50.36	54.00	-3.64	AVG	
2	3493.9540	53.77	3.07	56.84	68.30	-11.46	Peak	

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

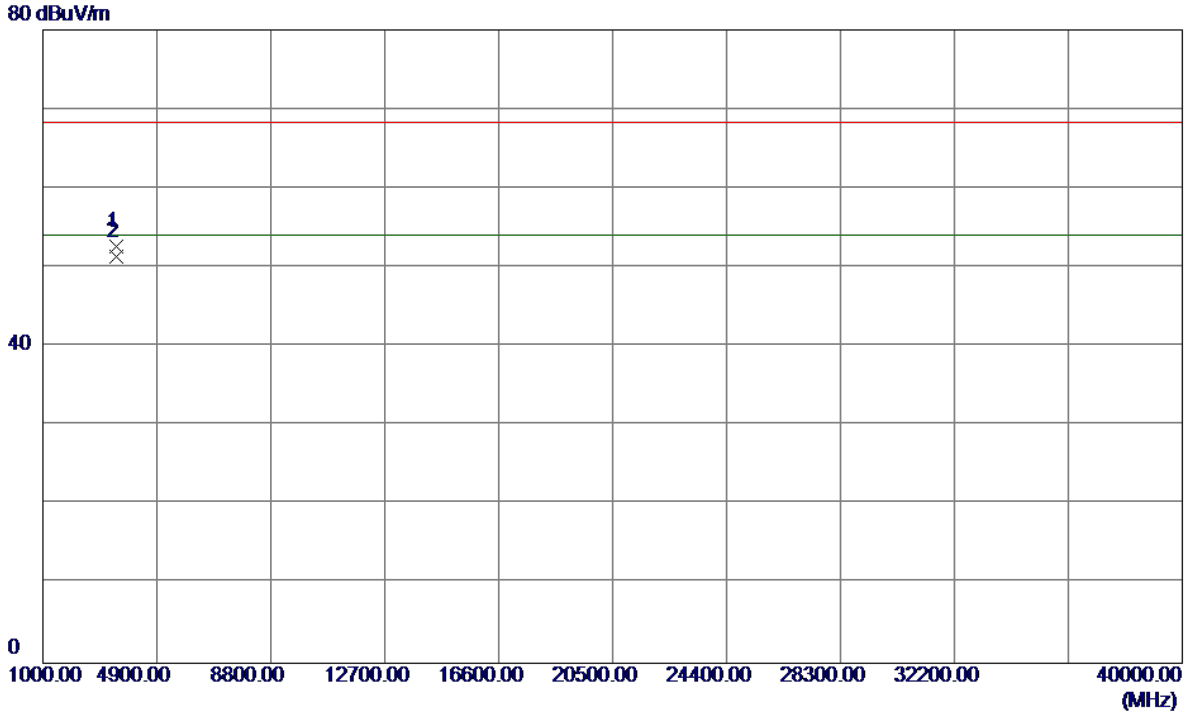
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5237.6000	52.24	41.55	93.79	68.30	25.49	Peak	No Limit
2 *	5241.4000	38.54	41.57	80.11	54.00	26.11	AVG	No Limit

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

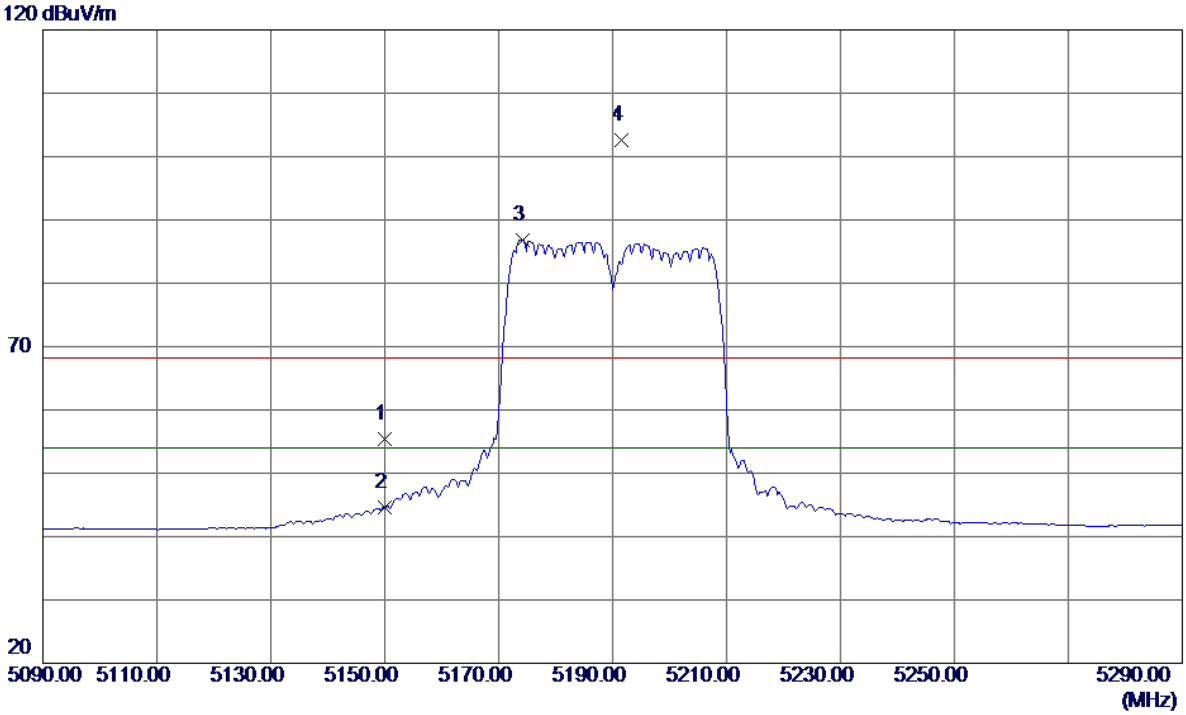
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3493.3220	49.62	3.07	52.69	68.30	-15.61	Peak	
2 *	3493.3900	48.33	3.07	51.40	54.00	-2.60	AVG	

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

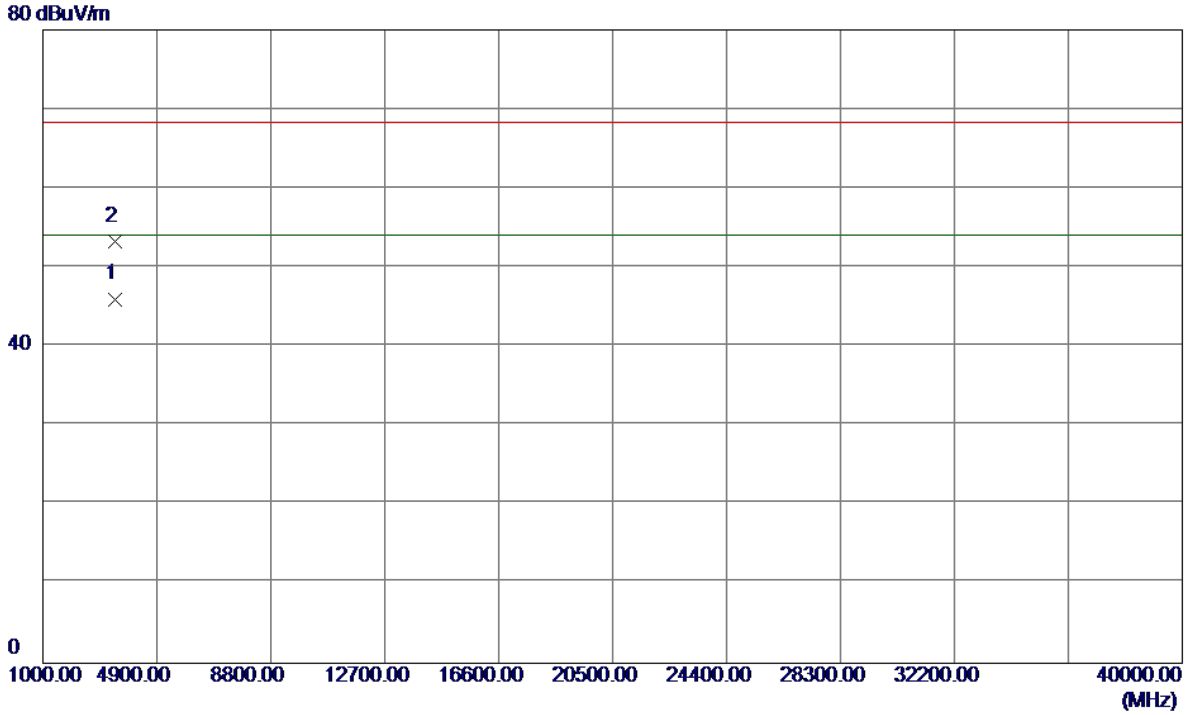
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	14.34	41.10	55.44	68.30	-12.86	Peak	
2	5150.0000	3.58	41.10	44.68	54.00	-9.32	AVG	
3	5174.2000	45.63	41.22	86.85	54.00	32.85	AVG	No Limit
4 *	5191.6000	61.28	41.31	102.59	68.30	34.29	Peak	No Limit

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

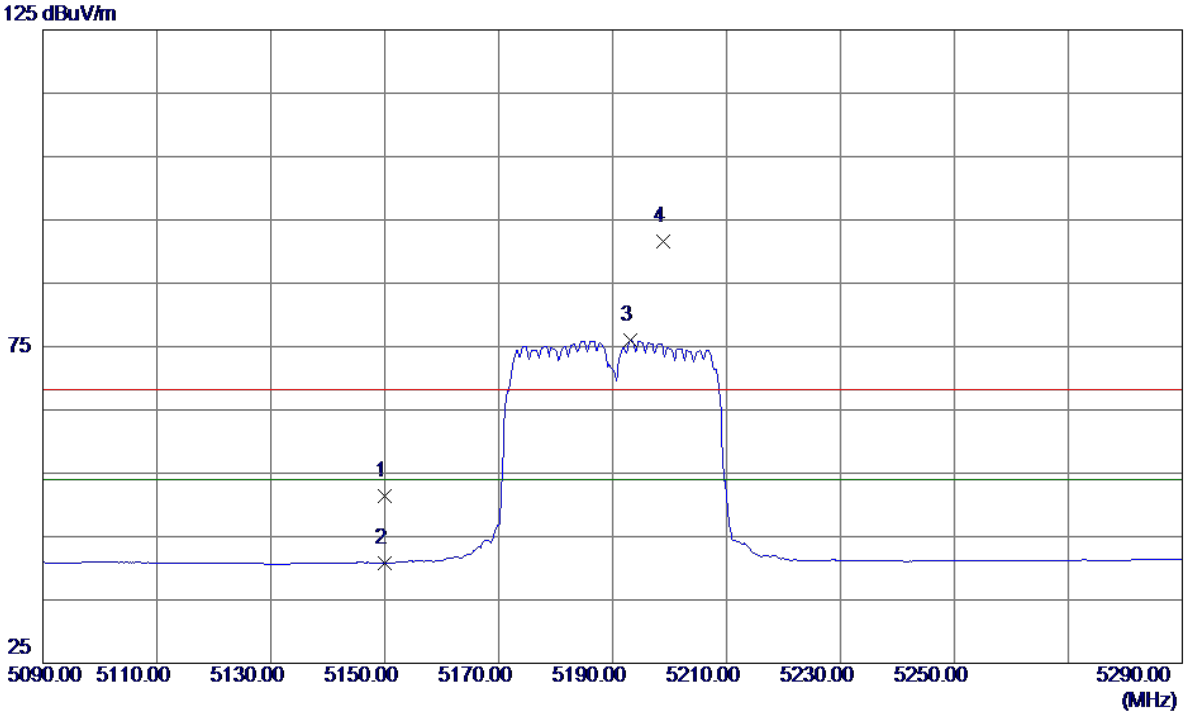
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3459.6720	43.02	2.98	46.00	54.00	-8.00	AVG	
2	3459.6830	50.30	2.98	53.28	68.30	-15.02	Peak	

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

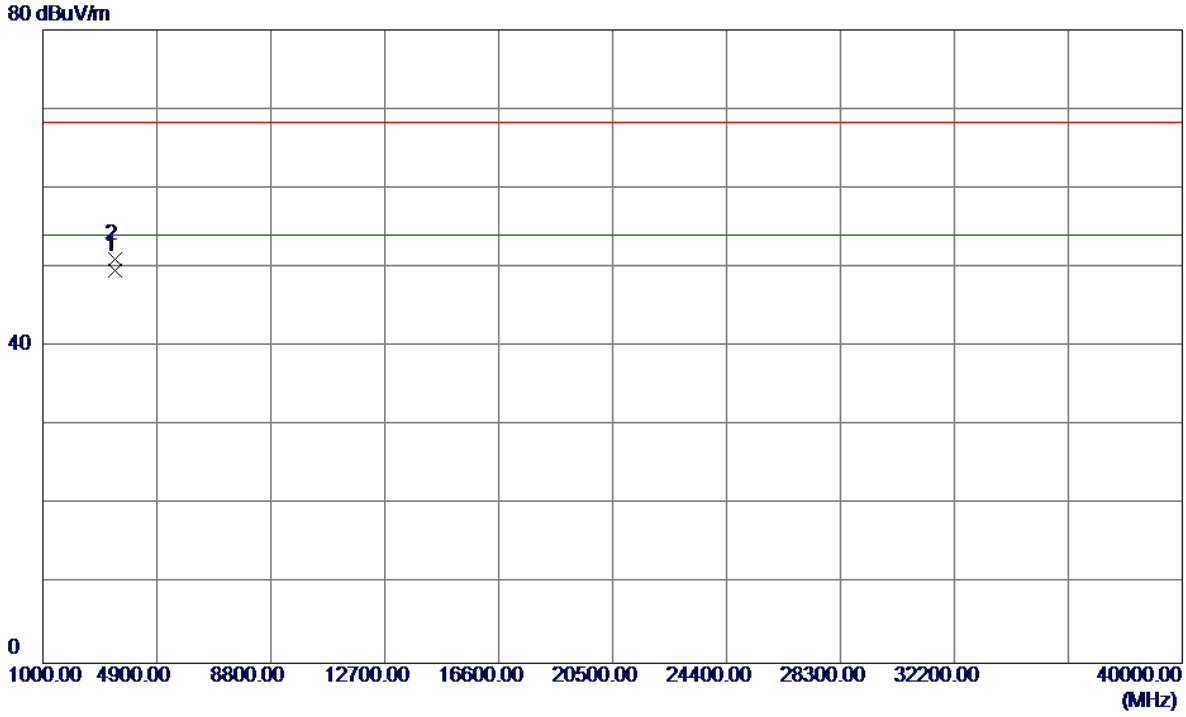
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	10.23	41.10	51.33	68.30	-16.97	Peak	
2	5150.0000	-0.32	41.10	40.78	54.00	-13.22	AVG	
3	5193.2000	34.63	41.32	75.95	54.00	21.95	AVG	No Limit
4 *	5198.8000	50.20	41.35	91.55	68.30	23.25	Peak	No Limit

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

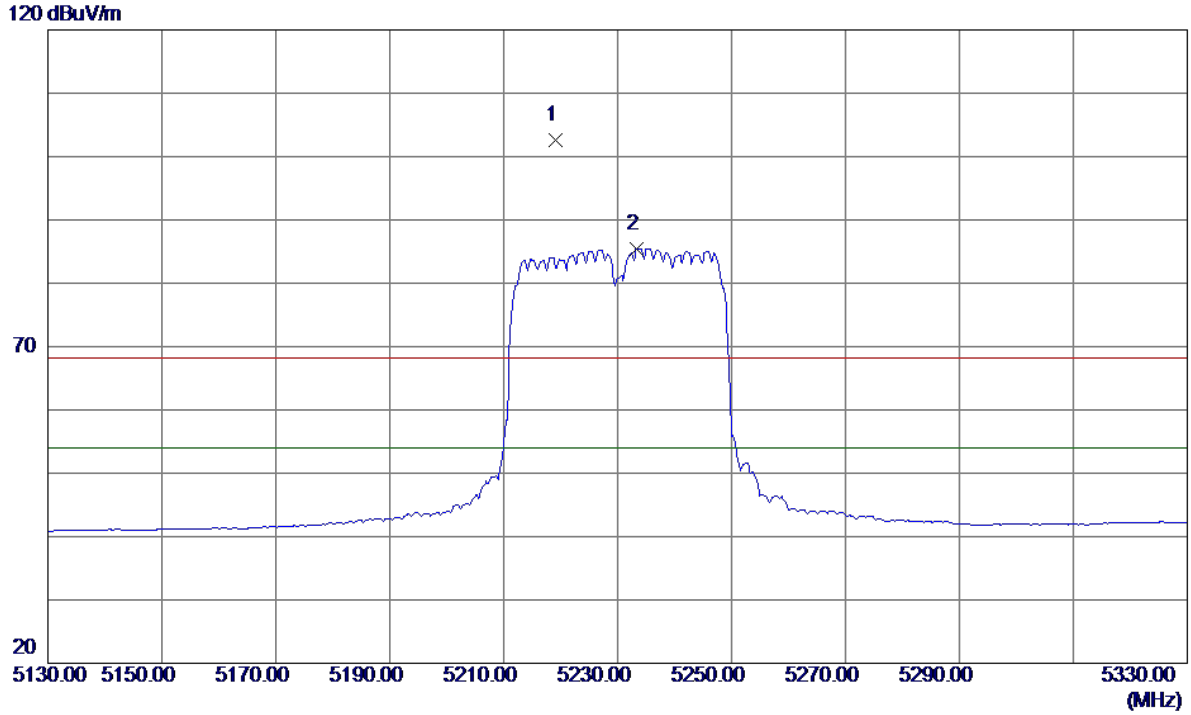
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3459.9800	46.56	2.98	49.54	54.00	-4.46	AVG	
2	3460.0680	48.14	2.98	51.12	68.30	-17.18	Peak	

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

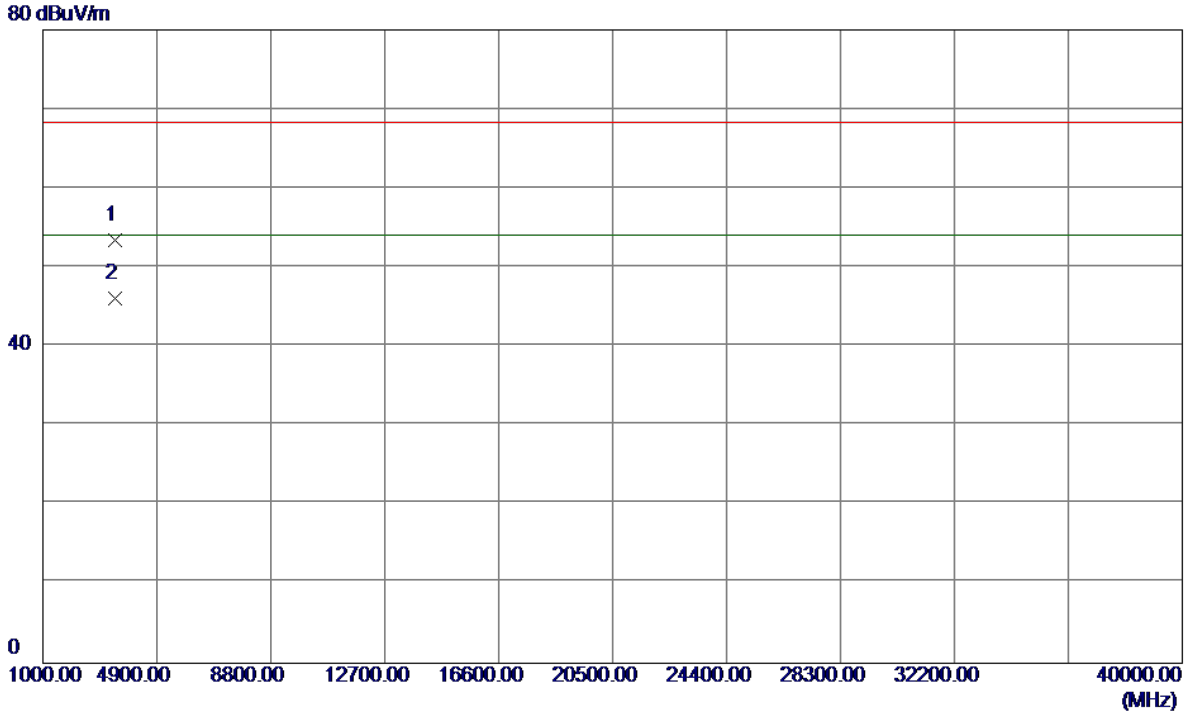
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5219.2000	61.20	41.45	102.65	68.30	34.35	Peak	No Limit
2	5233.4000	43.91	41.53	85.44	54.00	31.44	AVG	No Limit

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

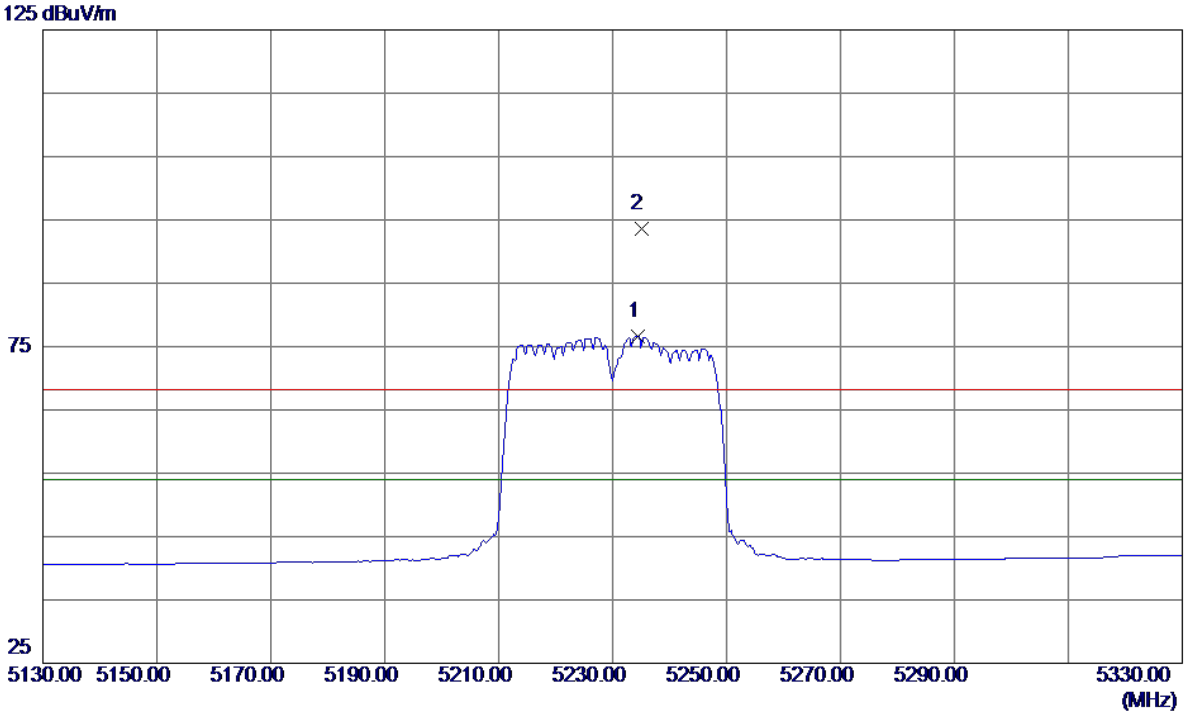
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3486.2240	50.43	3.05	53.48	68.30	-14.82	Peak	
2 *	3486.5570	43.04	3.05	46.09	54.00	-7.91	AVG	

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

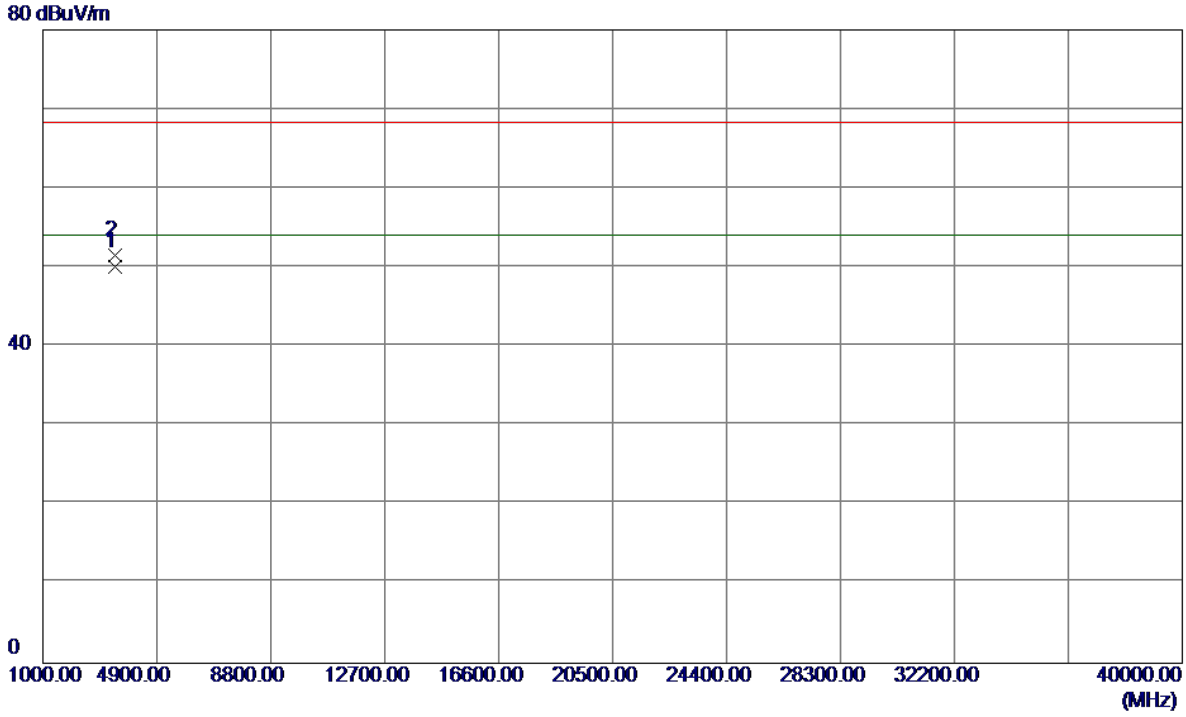
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5234.4000	35.00	41.53	76.53	54.00	22.53	AVG	No Limit
2 *	5235.0000	52.04	41.53	93.57	68.30	25.27	Peak	No Limit

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

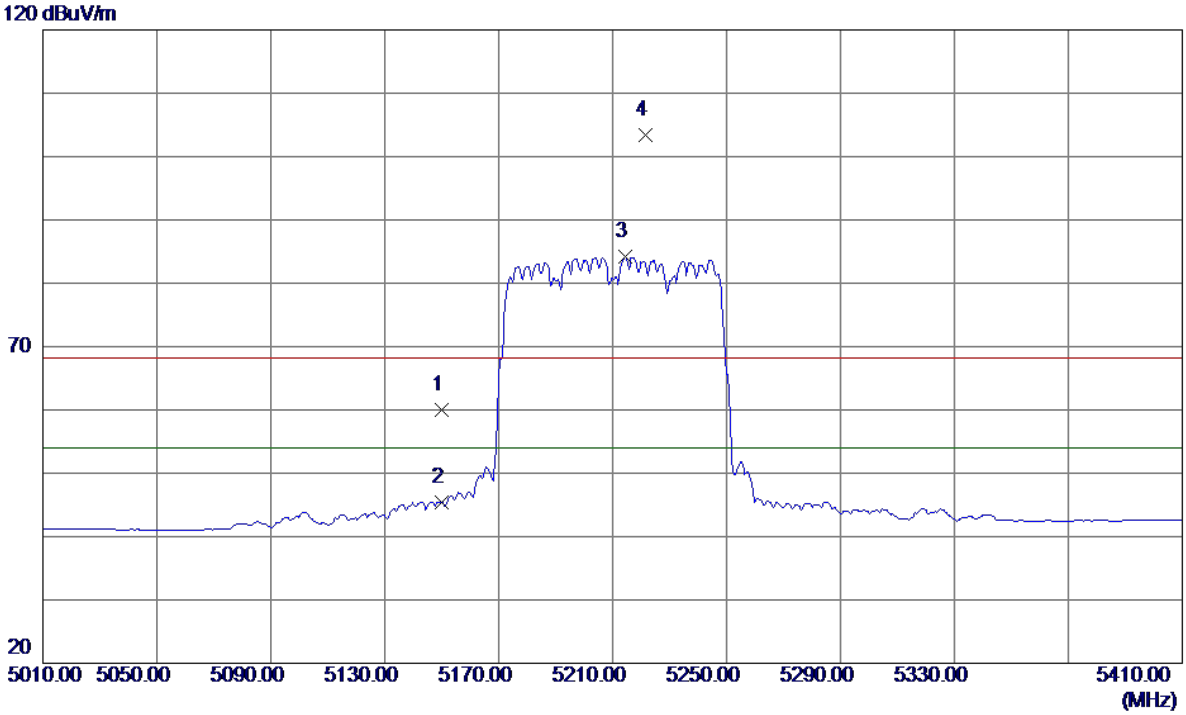
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3486.6840	46.97	3.05	50.02	54.00	-3.98	AVG	
2	3486.7160	48.53	3.05	51.58	68.30	-16.72	Peak	

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

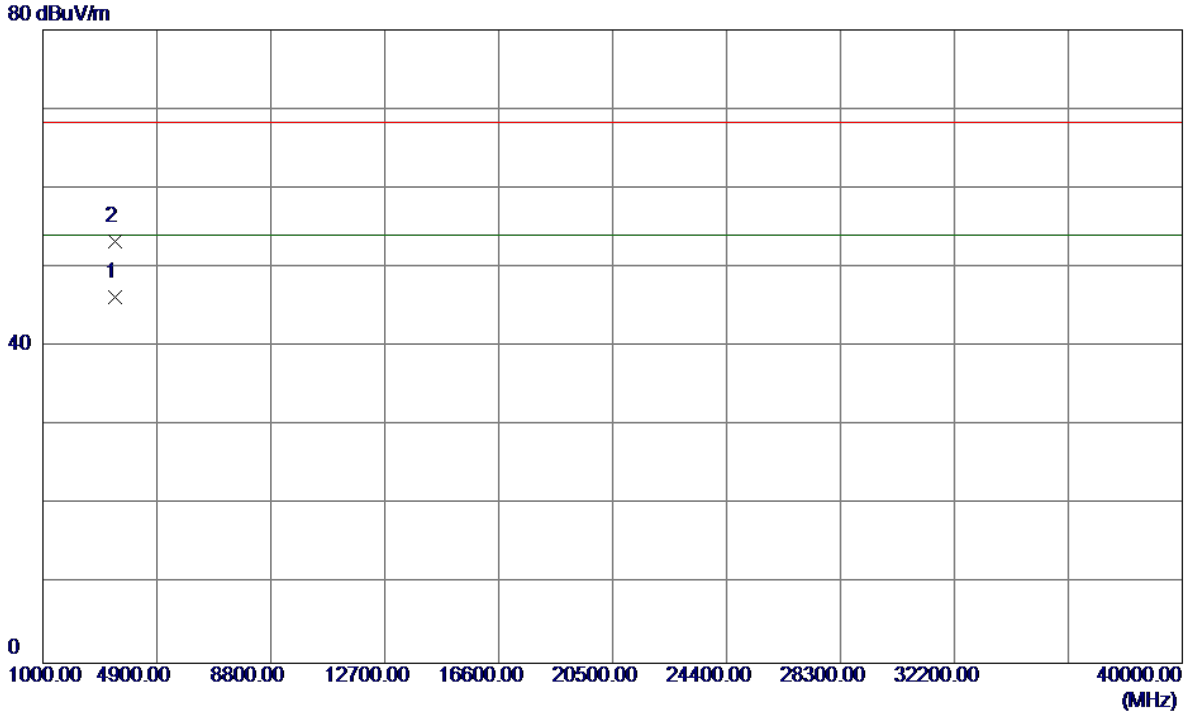
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	18.82	41.10	59.92	68.30	-8.38	Peak	
2	5150.0000	4.38	41.10	45.48	54.00	-8.52	AVG	
3	5214.4000	42.70	41.43	84.13	54.00	30.13	AVG	No Limit
4 *	5221.6000	61.85	41.47	103.32	68.30	35.02	Peak	No Limit

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

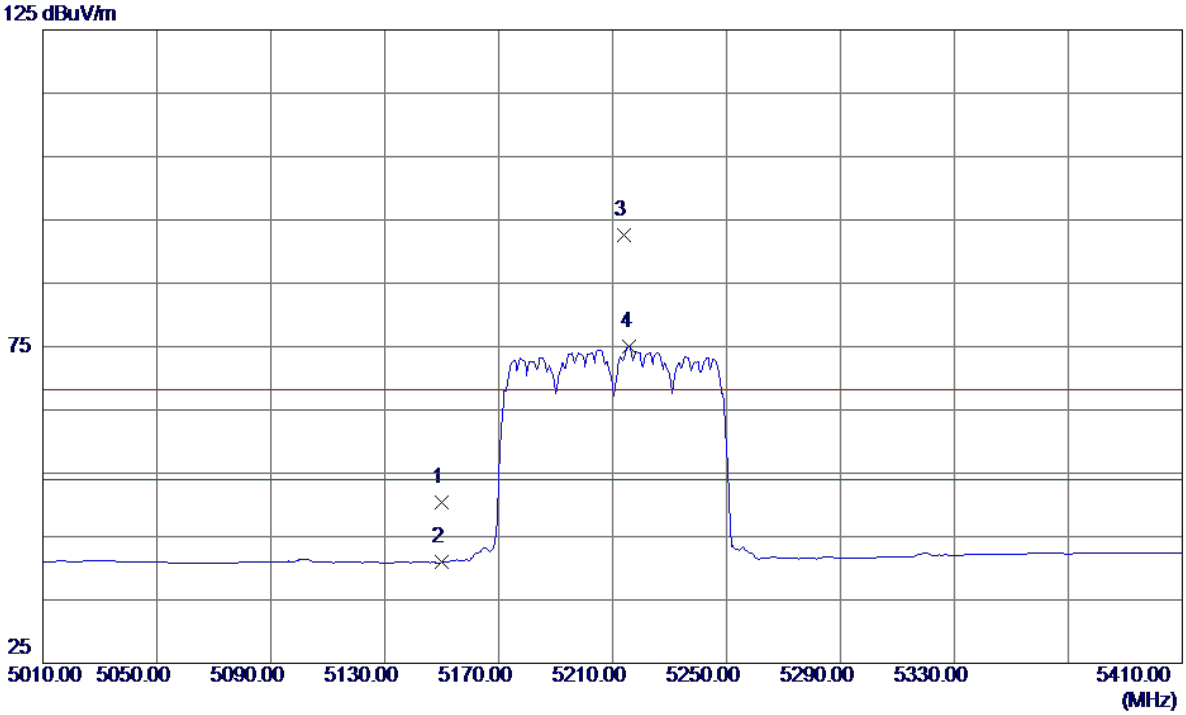
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3472.4830	43.25	3.01	46.26	54.00	-7.74	AVG	
2	3473.4730	50.27	3.02	53.29	68.30	-15.01	Peak	

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

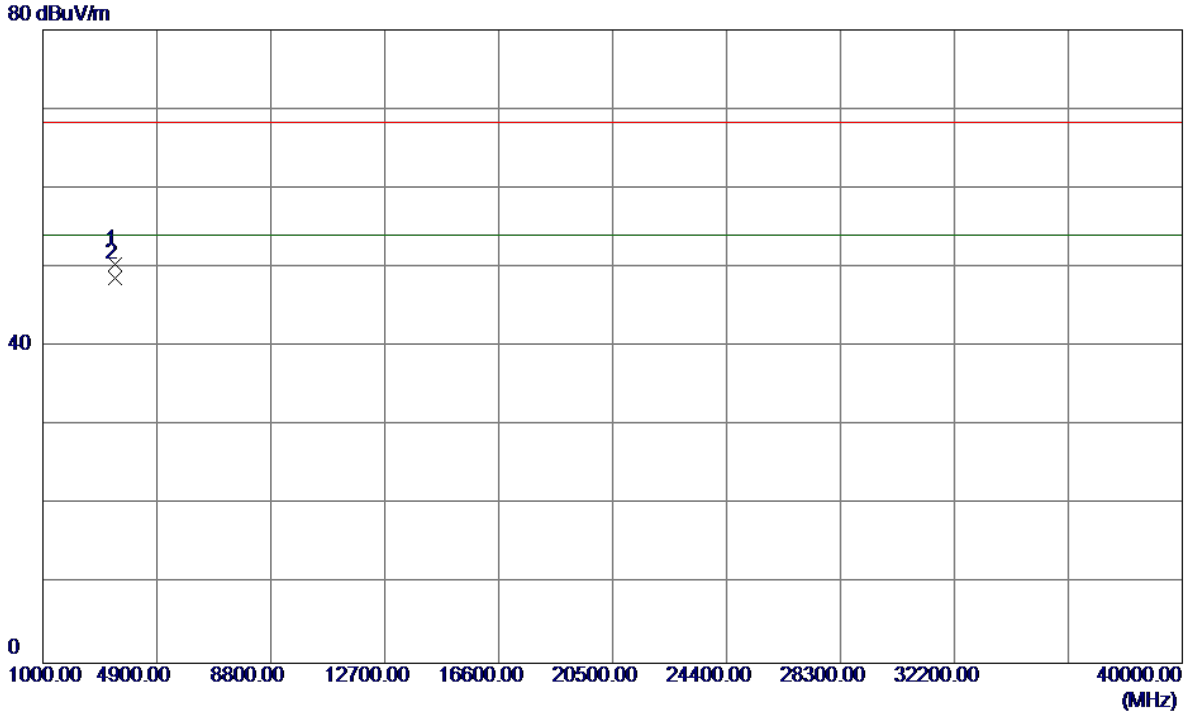
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	9.26	41.10	50.36	68.30	-17.94	Peak	
2	5150.0000	-0.17	41.10	40.93	54.00	-13.07	AVG	
3 *	5214.0000	51.22	41.43	92.65	68.30	24.35	Peak	No Limit
4	5216.0000	33.51	41.44	74.95	54.00	20.95	AVG	No Limit

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

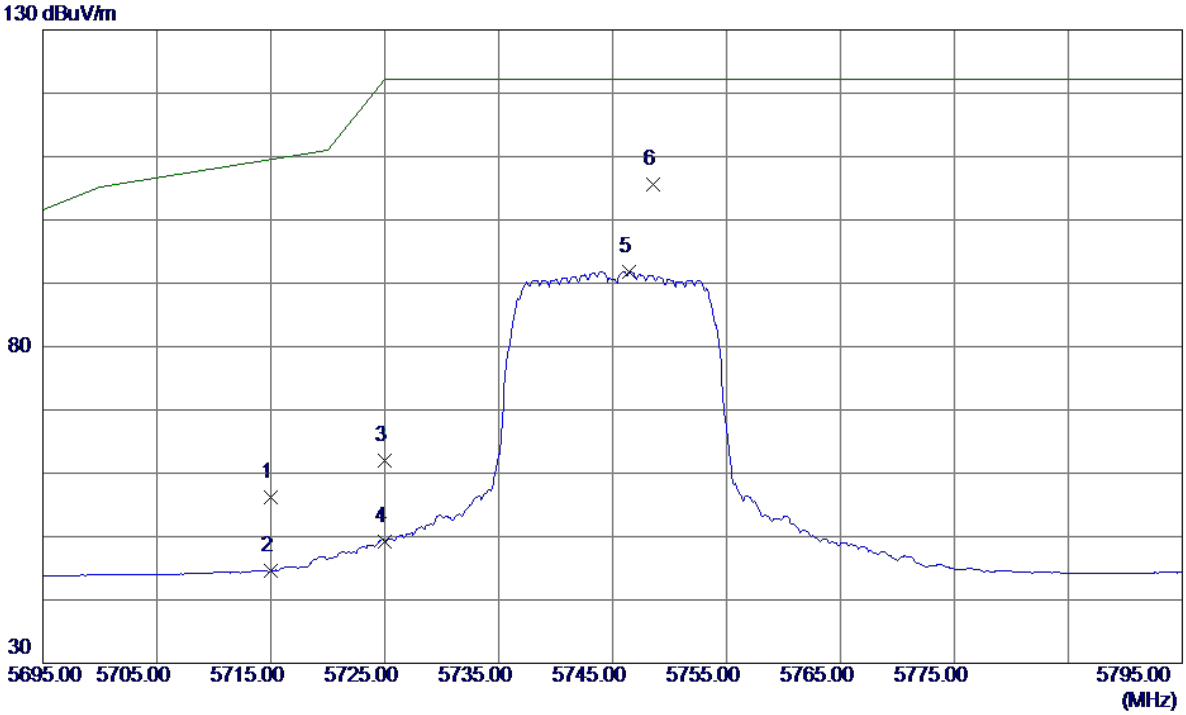
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3473.3400	47.45	3.02	50.47	68.30	-17.83	Peak	
2 *	3473.3460	45.60	3.02	48.62	54.00	-5.38	AVG	

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

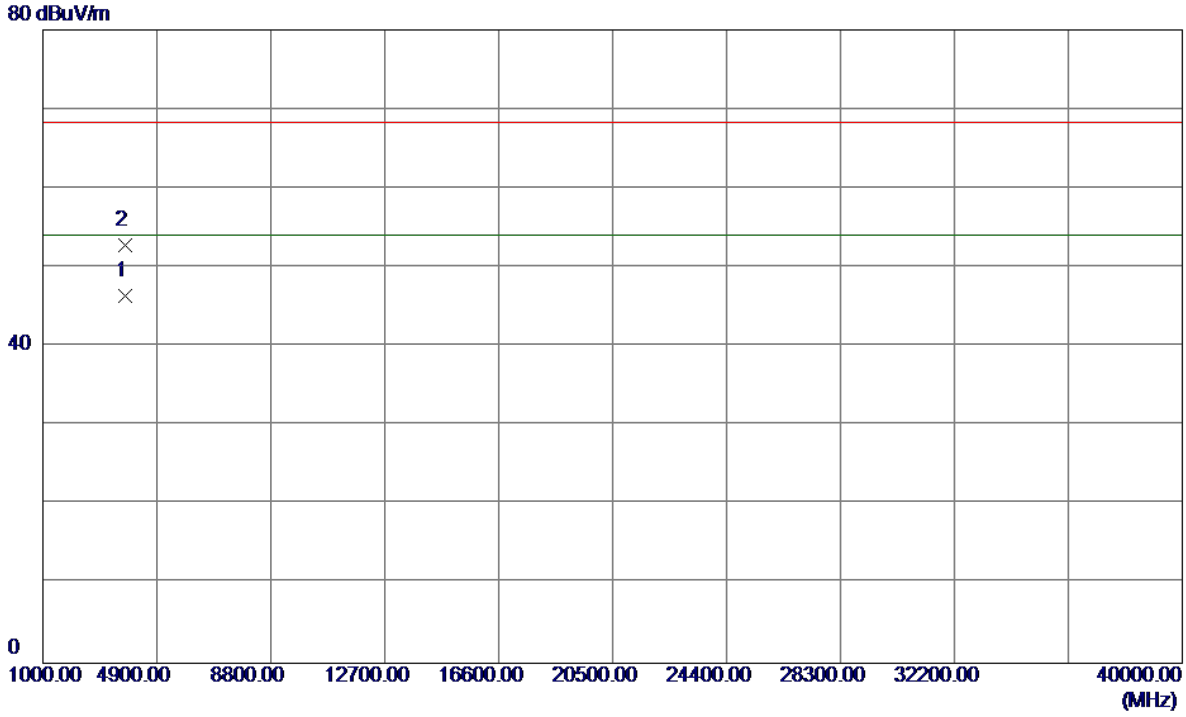
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	12.74	43.53	56.27	109.50	-53.23	Peak	
2	5715.0000	1.05	43.53	44.58	109.50	-64.92	AVG	
3	5725.0000	18.45	43.56	62.01	122.30	-60.29	Peak	
4	5725.0000	5.67	43.56	49.23	122.30	-73.07	AVG	
5	5746.4000	48.26	43.62	91.88	122.30	-30.42	AVG	
6 *	5748.6000	62.01	43.63	105.64	122.30	-16.66	Peak	

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

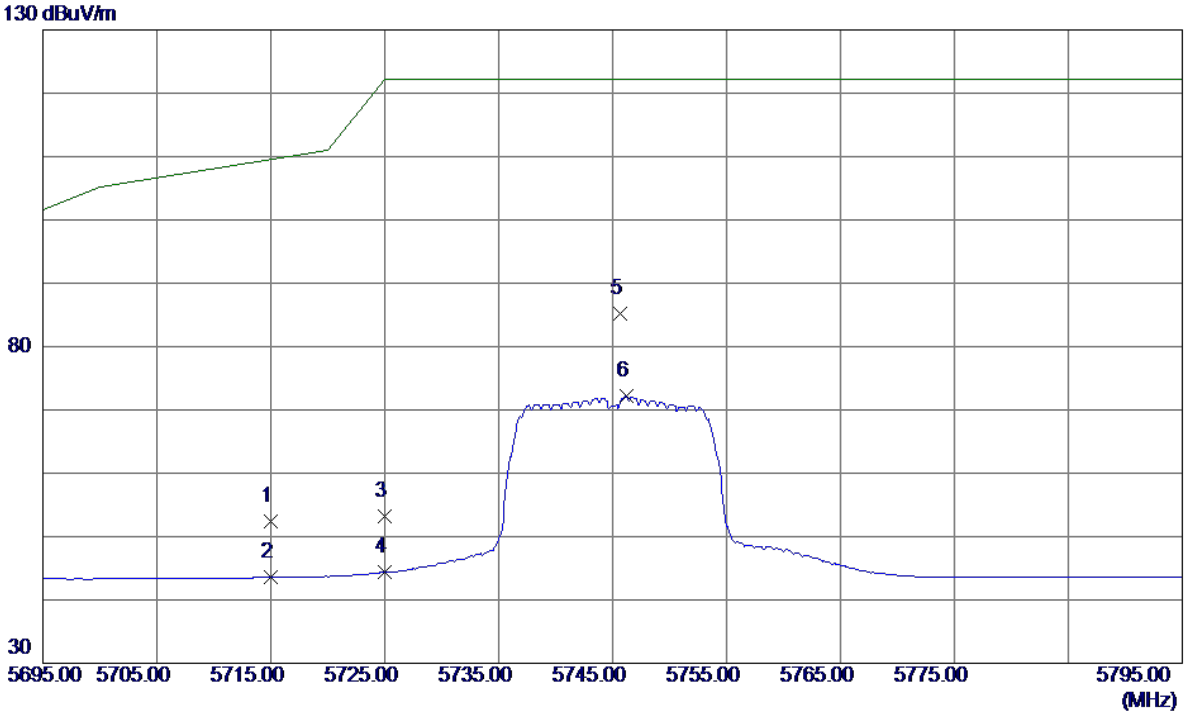
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3830.3240	42.42	3.94	46.36	54.00	-7.64	AVG	
2	3830.7490	48.93	3.94	52.87	68.30	-15.43	Peak	

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

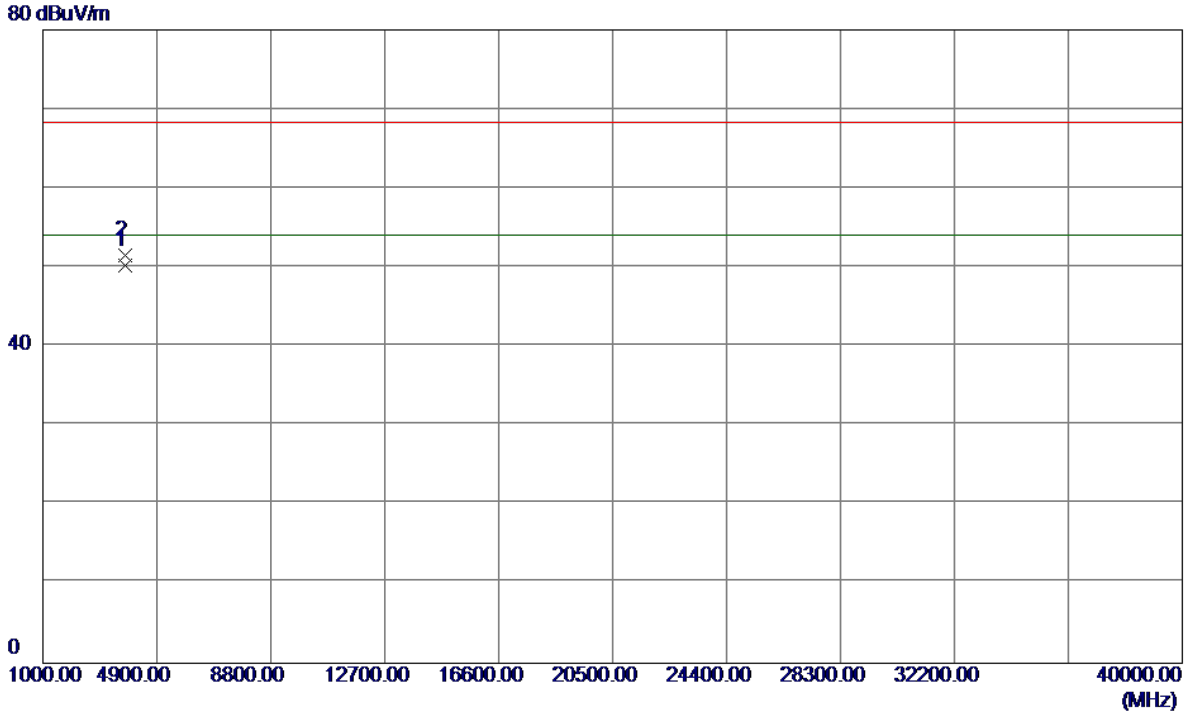
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	8.88	43.53	52.41	109.50	-57.09	Peak	
2	5715.0000	0.01	43.53	43.54	109.50	-65.96	AVG	
3	5725.0000	9.68	43.56	53.24	122.30	-69.06	Peak	
4	5725.0000	0.80	43.56	44.36	122.30	-77.94	AVG	
5 *	5745.7000	41.54	43.62	85.16	122.30	-37.14	Peak	
6	5746.2000	28.51	43.62	72.13	122.30	-50.17	AVG	

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

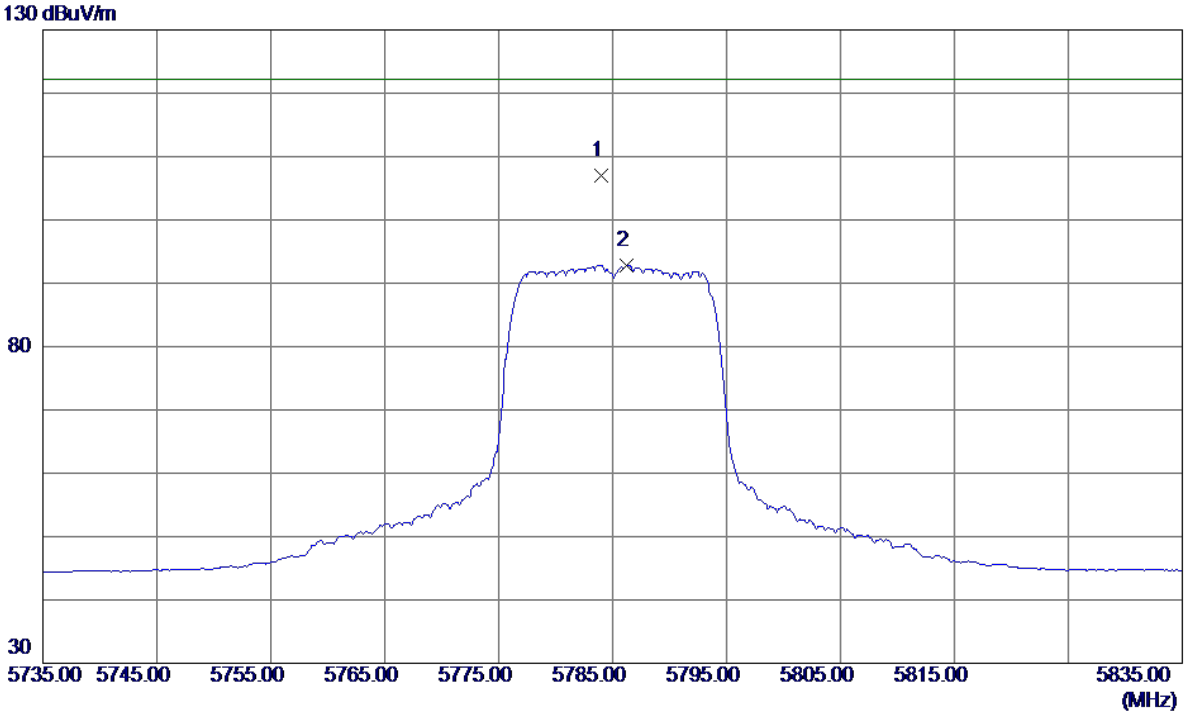
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3830.0350	46.30	3.93	50.23	54.00	-3.77	AVG	
2	3830.0600	47.66	3.93	51.59	68.30	-16.71	Peak	

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

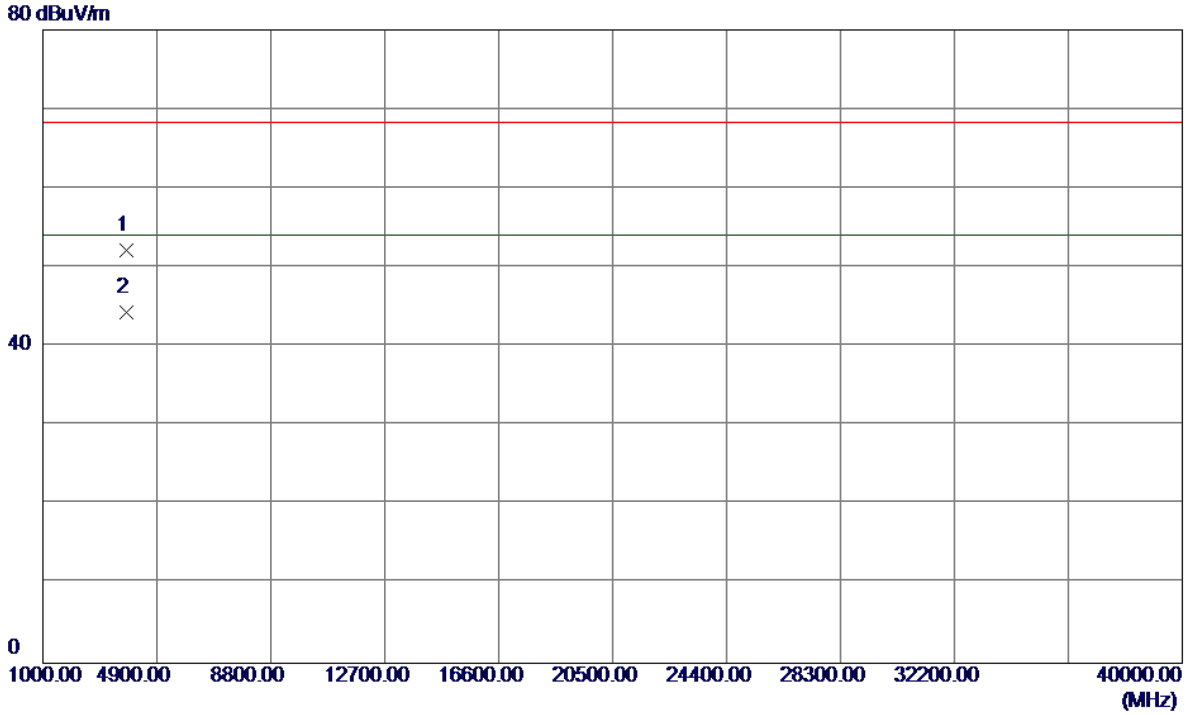
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5784.0000	63.31	43.74	107.05	122.30	-15.25	Peak	
2	5786.2000	49.11	43.74	92.85	122.30	-29.45	AVG	

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

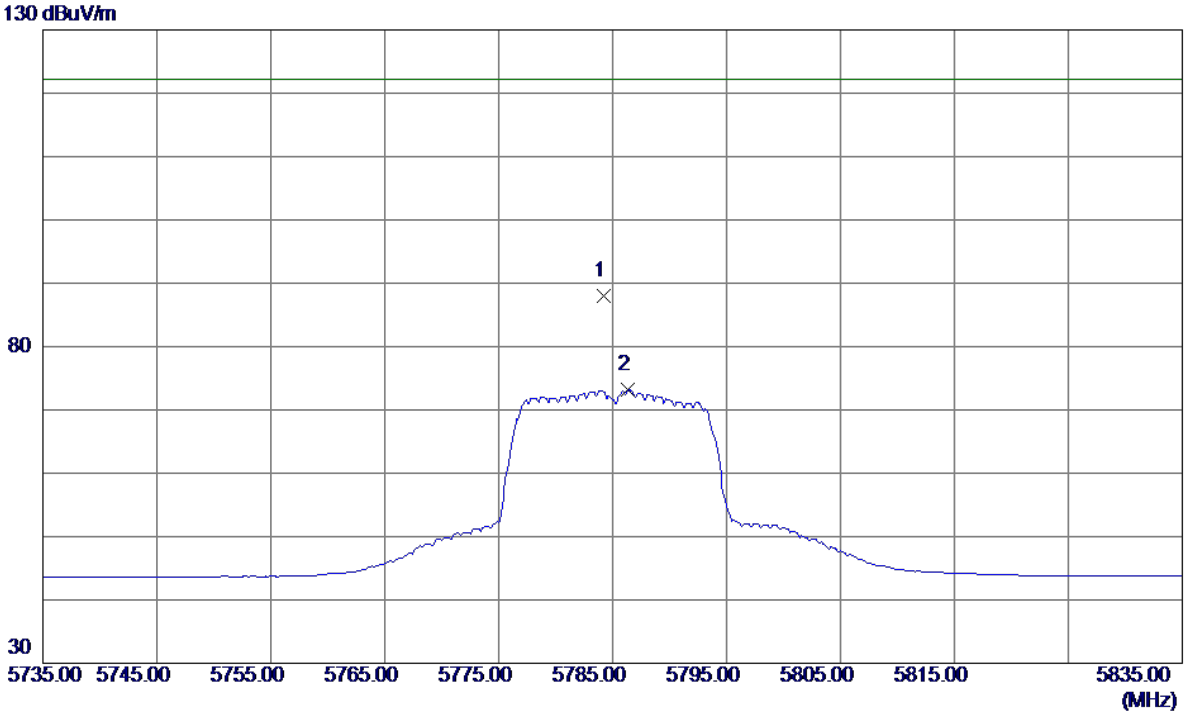
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3855.2450	48.16	4.00	52.16	68.30	-16.14	Peak	
2 *	3856.7240	40.28	4.00	44.28	54.00	-9.72	AVG	

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

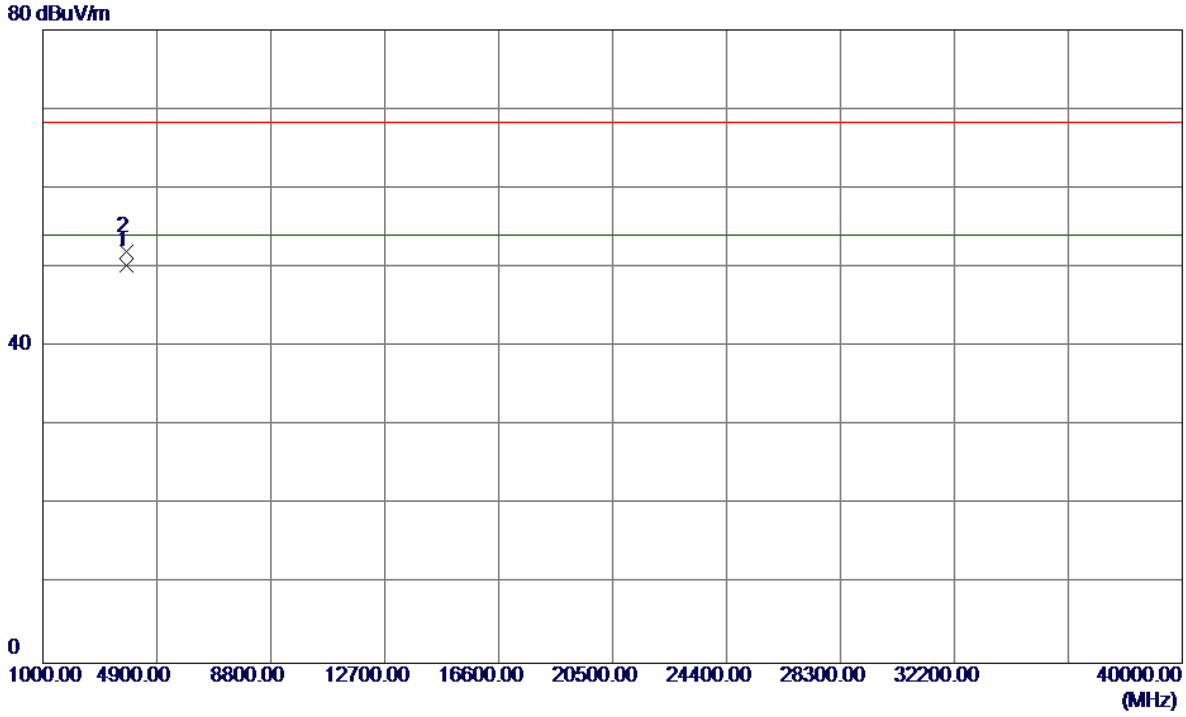
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5784.2000	44.29	43.74	88.03	122.30	-34.27	Peak	
2	5786.3000	29.41	43.74	73.15	122.30	-49.15	AVG	

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

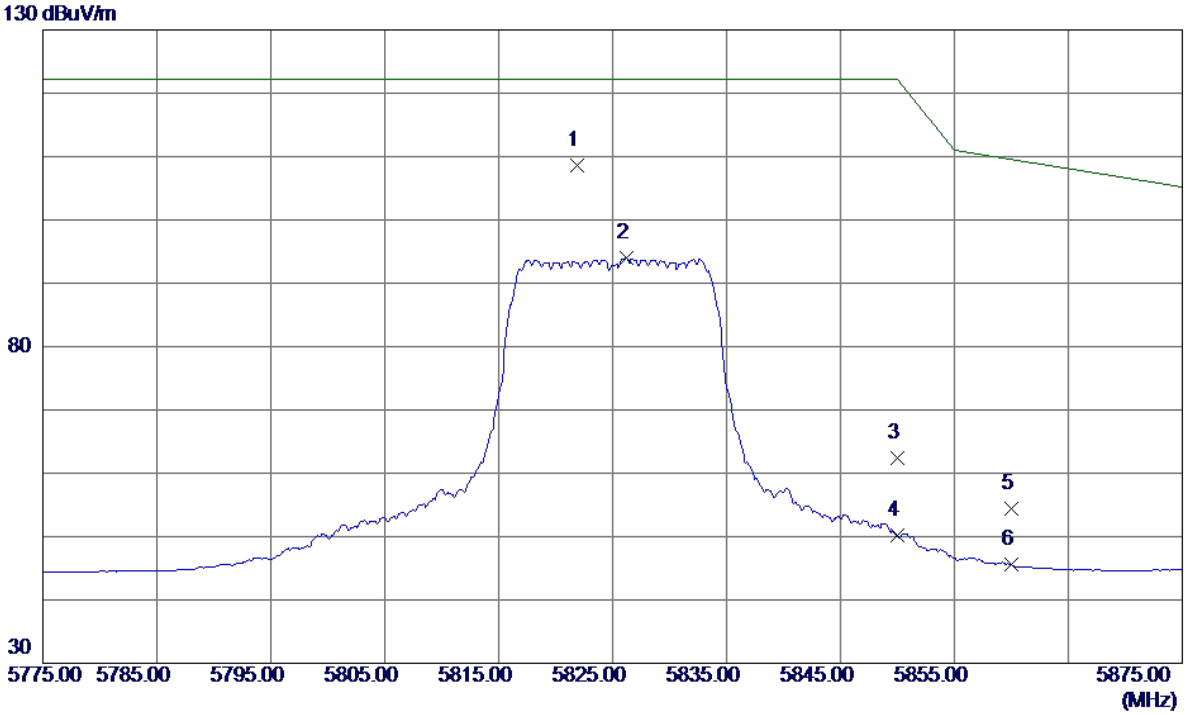
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3856.7000	46.22	4.00	50.22	54.00	-3.78	AVG	
2	3856.7300	47.95	4.00	51.95	68.30	-16.35	Peak	

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

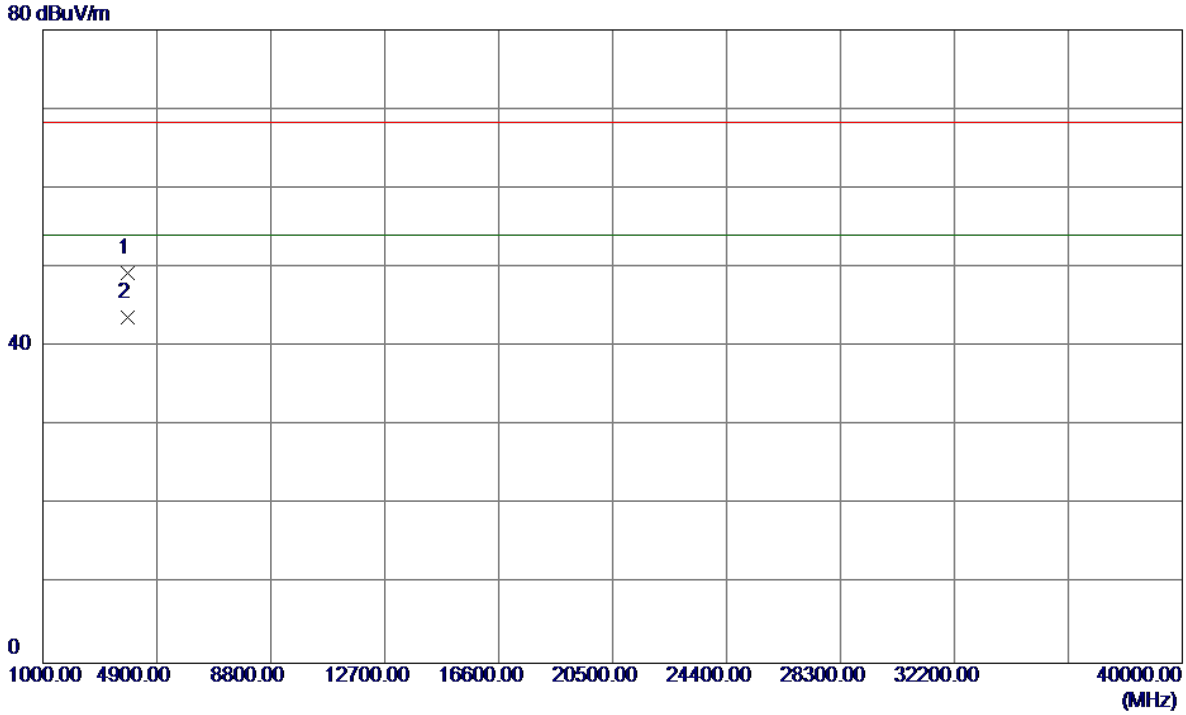
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5821.9000	64.72	43.85	108.57	122.30	-13.73	Peak	
2	5826.2000	50.05	43.87	93.92	122.30	-28.38	AVG	
3	5850.0000	18.55	43.94	62.49	122.30	-59.81	Peak	
4	5850.0000	6.18	43.94	50.12	122.30	-72.18	AVG	
5	5860.0000	10.50	43.97	54.47	109.50	-55.03	Peak	
6	5860.0000	1.55	43.97	45.52	109.50	-63.98	AVG	

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

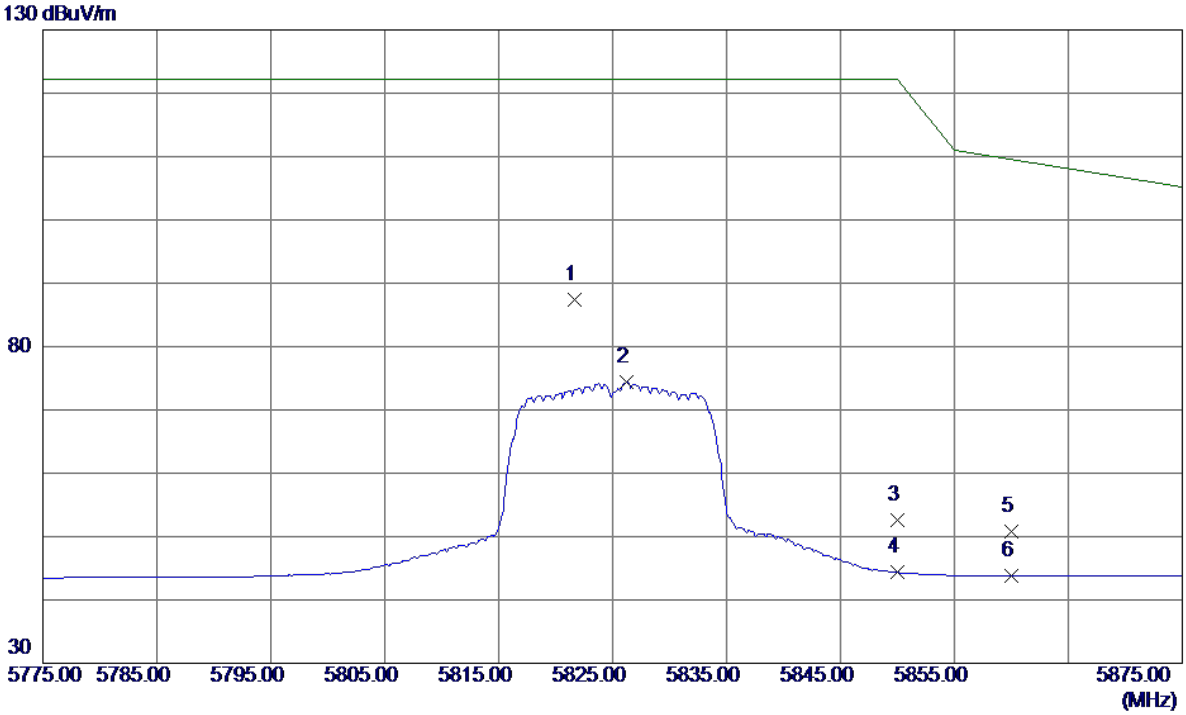
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.1170	45.19	4.07	49.26	68.30	-19.04	Peak	
2 *	3883.9470	39.59	4.07	43.66	54.00	-10.34	AVG	

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

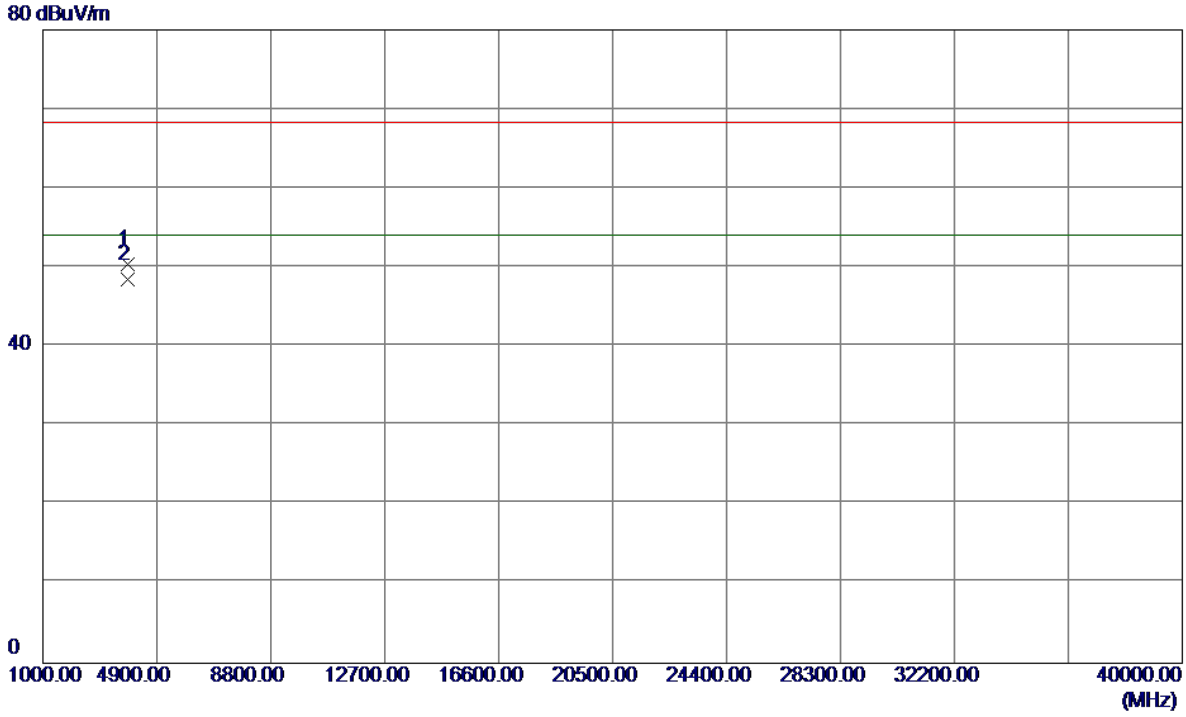
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5821.7000	43.64	43.85	87.49	122.30	-34.81	Peak	
2	5826.2000	30.45	43.87	74.32	122.30	-47.98	AVG	
3	5850.0000	8.67	43.94	52.61	122.30	-69.69	Peak	
4	5850.0000	0.40	43.94	44.34	122.30	-77.96	AVG	
5	5860.0000	6.89	43.97	50.86	109.50	-58.64	Peak	
6	5860.0000	-0.22	43.97	43.75	109.50	-65.75	AVG	

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

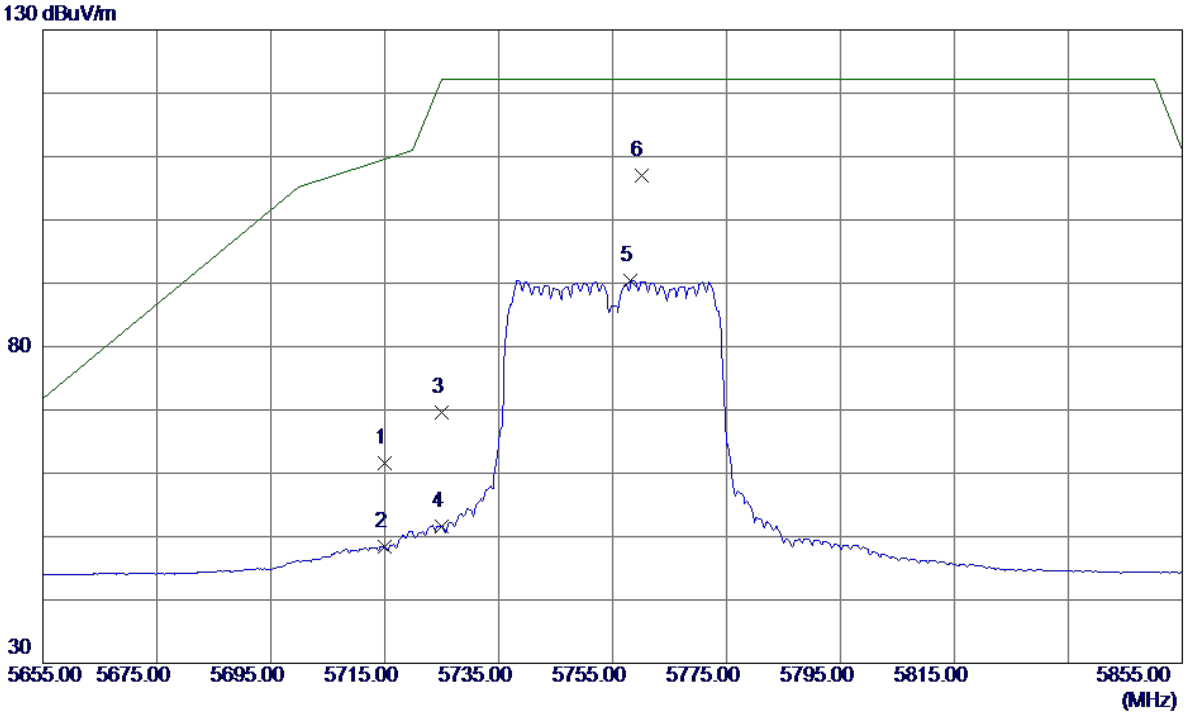
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.2600	46.41	4.07	50.48	68.30	-17.82	Peak	
2 *	3883.3700	44.39	4.07	48.46	54.00	-5.54	AVG	

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

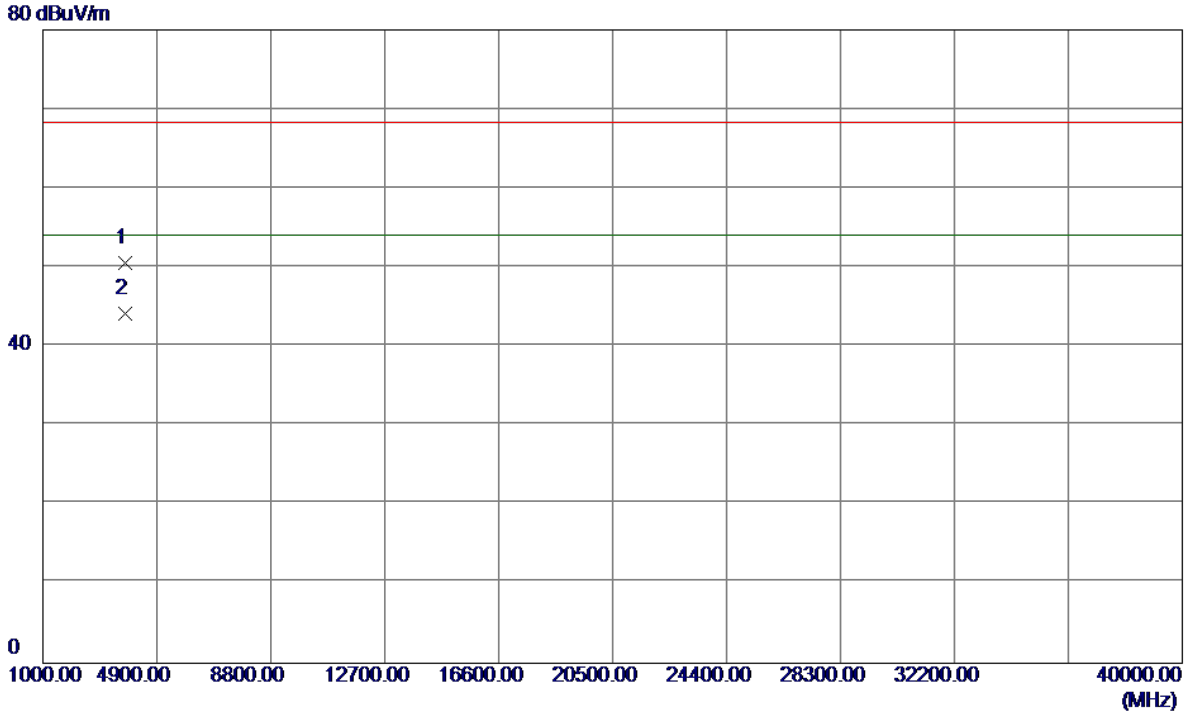
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	18.04	43.53	61.57	109.50	-47.93	Peak	
2	5715.0000	4.83	43.53	48.36	109.50	-61.14	AVG	
3	5725.0000	26.05	43.56	69.61	122.30	-52.69	Peak	
4	5725.0000	8.00	43.56	51.56	122.30	-70.74	AVG	
5	5758.2000	46.75	43.66	90.41	122.30	-31.89	AVG	
6 *	5760.0000	63.38	43.67	107.05	122.30	-15.25	Peak	

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

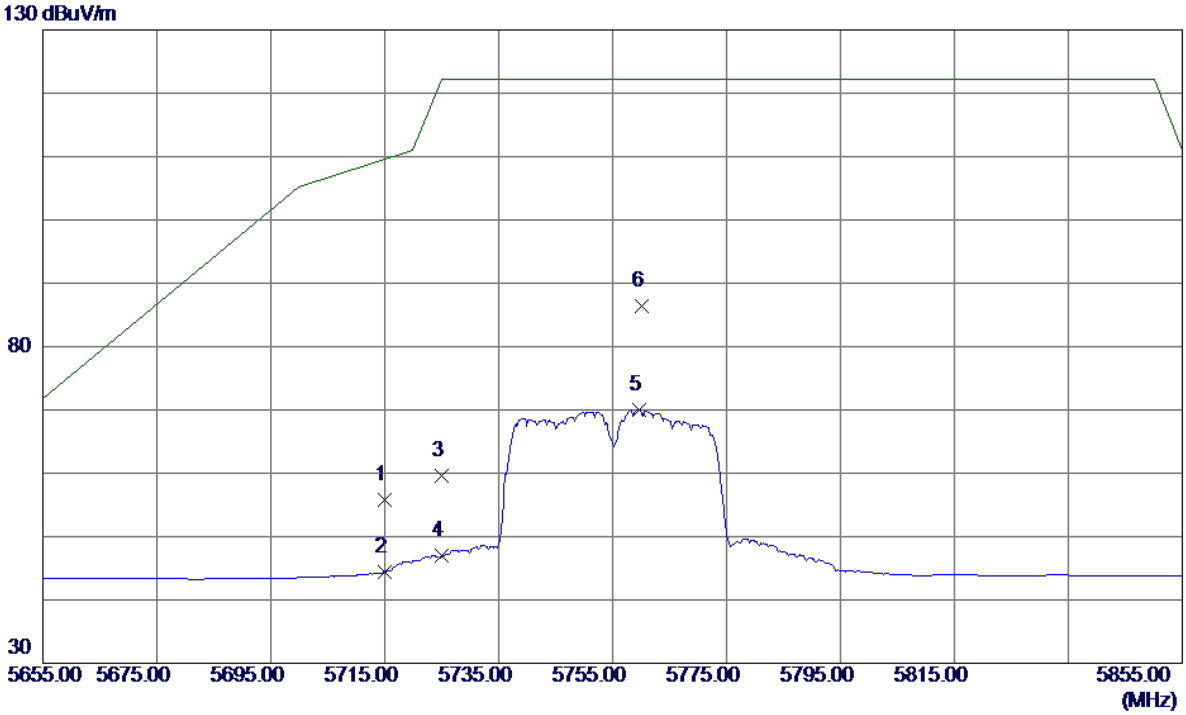
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3836.6680	46.62	3.95	50.57	68.30	-17.73	Peak	
2 *	3836.9870	40.25	3.95	44.20	54.00	-9.80	AVG	

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

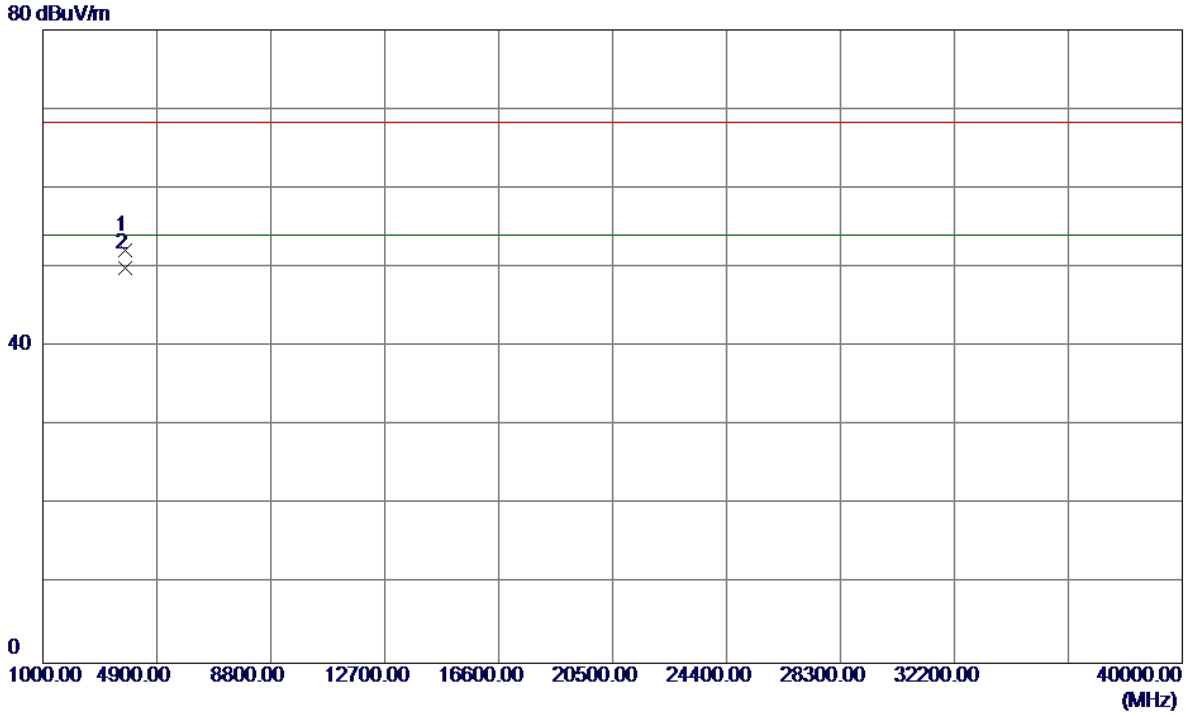
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	12.19	43.53	55.72	109.50	-53.78	Peak	
2	5715.0000	0.88	43.53	44.41	109.50	-65.09	AVG	
3	5725.0000	15.95	43.56	59.51	122.30	-62.79	Peak	
4	5725.0000	3.36	43.56	46.92	122.30	-75.38	AVG	
5	5759.6000	26.35	43.66	70.01	122.30	-52.29	AVG	
6 *	5760.2000	42.66	43.67	86.33	122.30	-35.97	Peak	

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

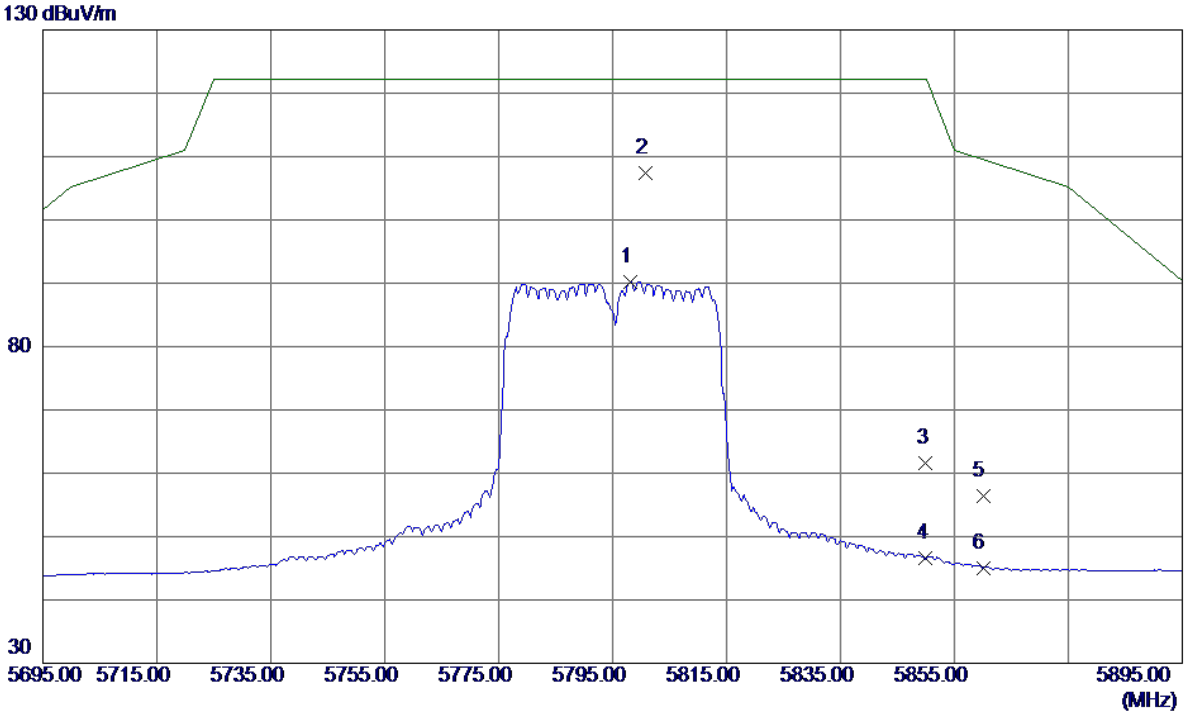
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3836.3240	48.17	3.95	52.12	68.30	-16.18	Peak	
2 *	3836.3750	46.01	3.95	49.96	54.00	-4.04	AVG	

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

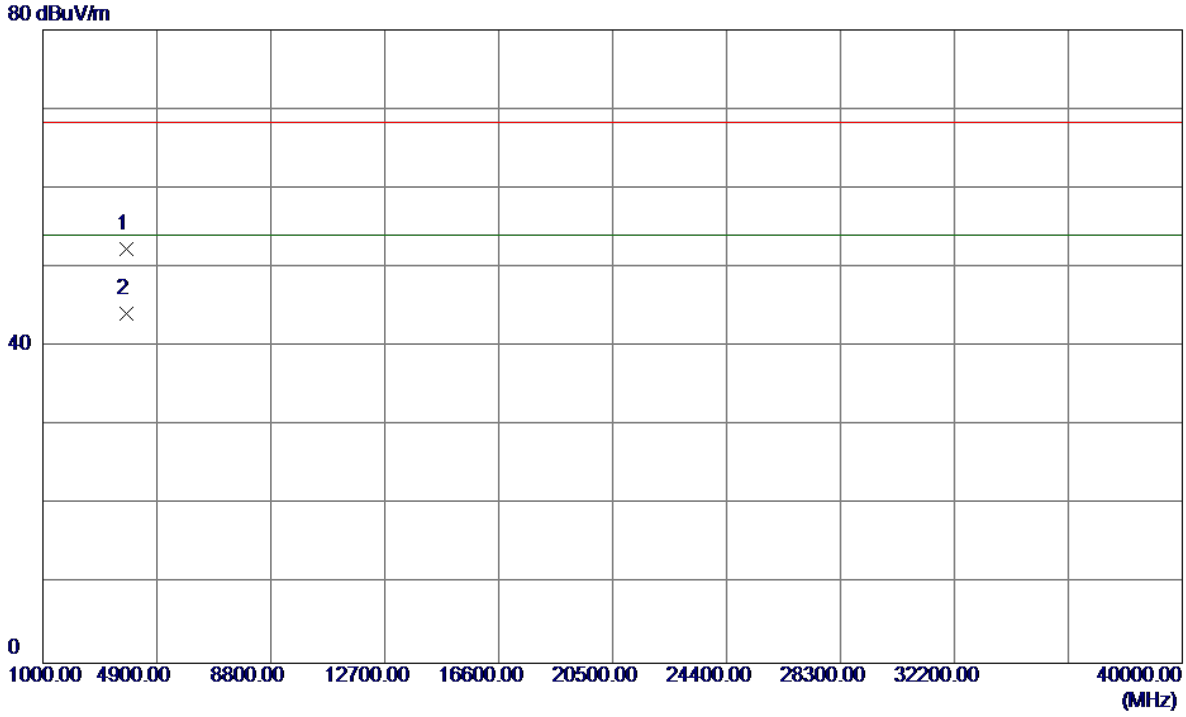
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5798.2000	46.43	43.78	90.21	122.30	-32.09	AVG	
2 *	5800.8000	63.68	43.79	107.47	122.30	-14.83	Peak	
3	5850.0000	17.75	43.94	61.69	122.30	-60.61	Peak	
4	5850.0000	2.66	43.94	46.60	122.30	-75.70	AVG	
5	5860.0000	12.47	43.97	56.44	109.50	-53.06	Peak	
6	5860.0000	1.04	43.97	45.01	109.50	-64.49	AVG	

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3863.2450	48.30	4.02	52.32	68.30	-15.98	Peak	
2 *	3863.6790	40.11	4.02	44.13	54.00	-9.87	AVG	