FCC Radio Test Report

FCC ID: KA2COVRP2500A1

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

Project No.	:	1708C071
Equipment	:	Whole Home Powerline Wi-Fi Extender、Whole Home Powerline Wi-Fi System
Test Model	:	COVR-P2500
Series Model	:	COVR-P2502
Applicant	:	D-LINK Corporation
Address	:	17595 Mt. Herrmann, Fountain Valley, California, United States 92708

Date of Receipt	:	Aug. 03, 2017
Date of Test	:	Aug. 03, 2017 ~ Sep. 18, 2017
Issued Date	:	Sep. 19, 2017
Tested by	:	BTL Inc.

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NVLAP Lab Code: 200788-0

Declaration

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

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

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-2-1708C071	Original Issue.	Sep. 19, 2017

1. CERTIFICATION

Equipment	:	Whole Home Powerline Wi-Fi Extender、Whole Home Powerline Wi-Fi System
Brand Name	:	D-Link
Test Model	:	COVR-P2500
Series Model	:	COVR-P2502
Applicant	:	D-LINK Corporation
Manufacturer	:	D-LINK Corporation
Address	:	No.289, Sinhu 3rd Rd., Neihu District Taipei City 114, Taiwan, R.O.C
Date of Test	:	Aug. 03, 2017 ~ Sep. 18, 2017
Test Sample	:	ENGINEERING SAMPLE
Standard(s)	:	FCC Part15, Subpart E(15.407) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1708C071) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's test firm number for FCC: 854385
BTL's designation number for FCC: CN5020

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Whole Home Powerline Wi-Fi Extender、Whole Home Powerline Wi-Fi System	
Brand Name	D-Link	
Test Model	COVR-P2500	
Series Model	COVR-P2502	
Model Difference	Only differ in single pack or double pack. COVR - P2500 is single pack while COVR - P2502 is double pack	
Power Source	AC Mains.	
Power Rating	AC 100-240V, 50/60Hz, 0.3A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	867Mbps
	Output Power (Max.)for UNII-1	802.11a: 24.60dBm 802.11n (20M): 24.36dBm 802.11n (40M): 23.35dBm 802.11ac (20M): 24.61dBm 802.11ac (40M): 23.30dBm 802.11ac (80M): 15.18dBm
	Output Power (Max.)for UNII-3	802.11a: 24.42dBm 802.11n (20M): 22.72dBm 802.11n (40M): 20.92dBm 802.11ac (20M): 21.04dBm 802.11ac (40M): 21.52dBm 802.11ac (80M): 22.86dBm

Note:

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

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

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

3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	CHANGSHU HONGBO	DB_ANT-1 TO IPEX	Dipole	N/A	3.94
2	CHANGSHU HONGBO	DB_ANT-1 TO IPEX	Dipole	N/A	3.94

Note:
This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain = G_{ANT}+10log(N)dBi, that is Directional gain=3.94+10log(2)dBi=6.95 greater than 6dB. So, the out power limit is 30-6.95+6=29.05 for UNII-1 and UNII-3,
the power density limit is 17-6.95+6=16.05 for UNII-1, the limit is 30-6.95+6=29.05 for UNII-3.

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

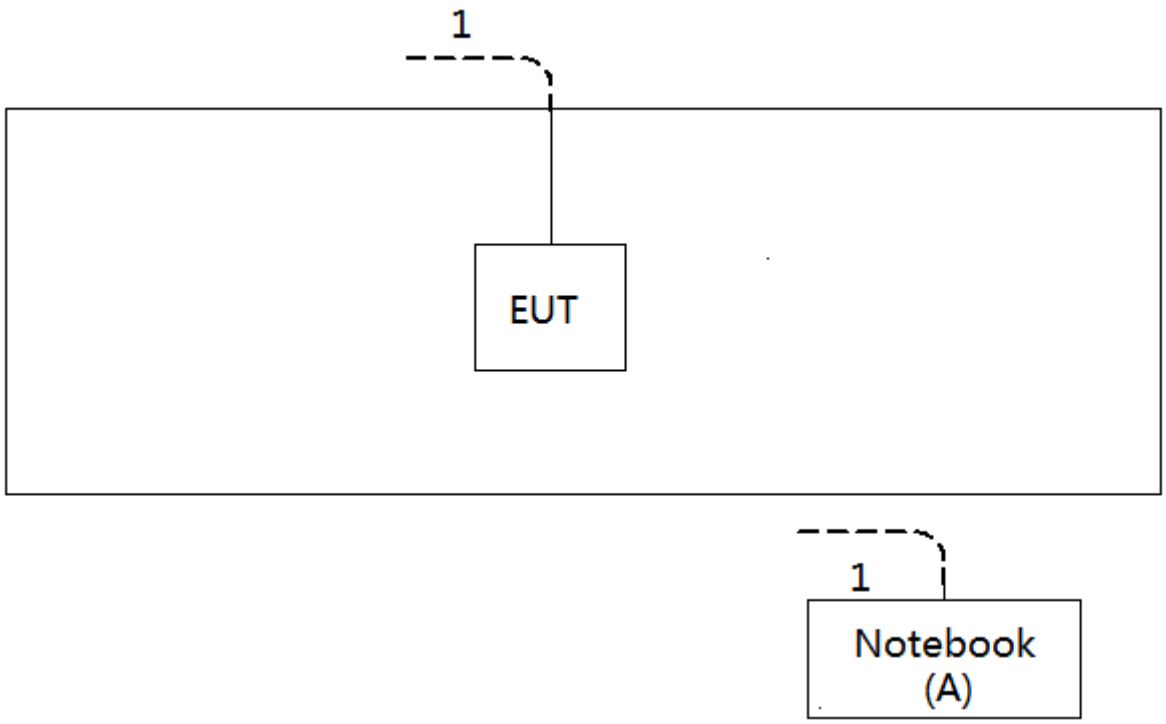
UNII-1			
Test Software Version	QRCT		
Frequency (MHz)	5180	5200	5240
A Mode	18	19	19
Frequency (MHz)	5180	5200	5240
N20 Mode	18	20	19
Frequency (MHz)	5190	5230	
N40 Mode	10	18	

UNII-3			
Test Software Version	QRCT		
Frequency (MHz)	5745	5785	5825
A Mode	24	24	24
Frequency (MHz)	5745	5785	5825
N20 Mode	24	24	24
Frequency (MHz)	5755	5795	
N40 Mode	24	24	

UNII-1			
Test Software Version	QRCT		
Frequency (MHz)	5180	5200	5240
AC20 Mode	18	20	19
Frequency (MHz)	5190	5230	
AC40 Mode	10	18	
Frequency (MHz)	5210		
AC80 Mode	10		

UNII-3			
Test Software Version	QRCT		
Frequency (MHz)	5745	5785	5825
AC20 Mode	24	24	24
Frequency (MHz)	5755	5795	
AC40 Mode	24	24	
Frequency (MHz)	5775		
AC80 Mode	24		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	Notebook	Lenovo	INSPIRON 1420-	DOC	JX193A01SDC2

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

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

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

4.1.2 TEST PROCEDURE

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

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

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

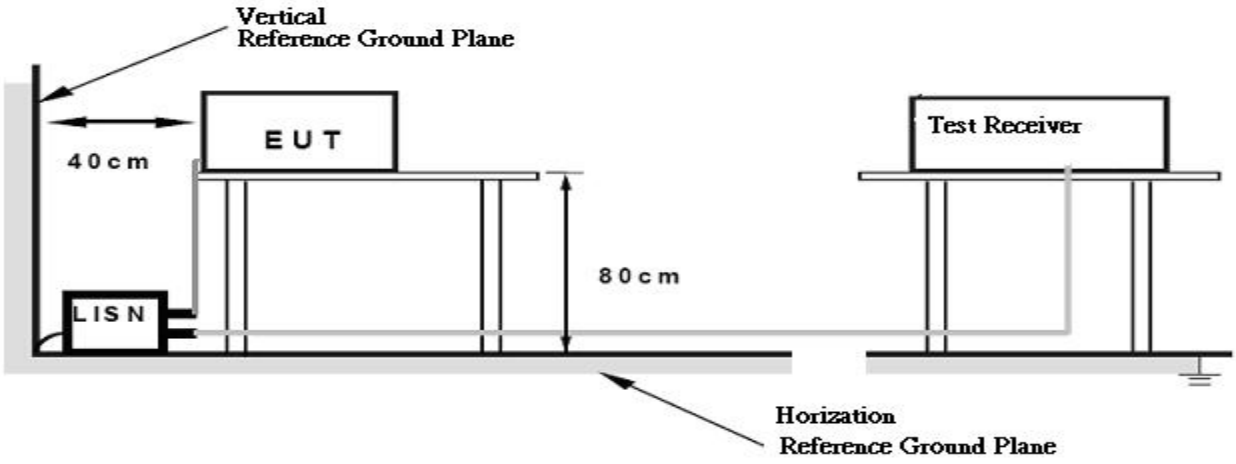
d. LISN at least 80 cm from nearest part of EUT chassis.

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Appendix A.

Remark:

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

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

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3
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

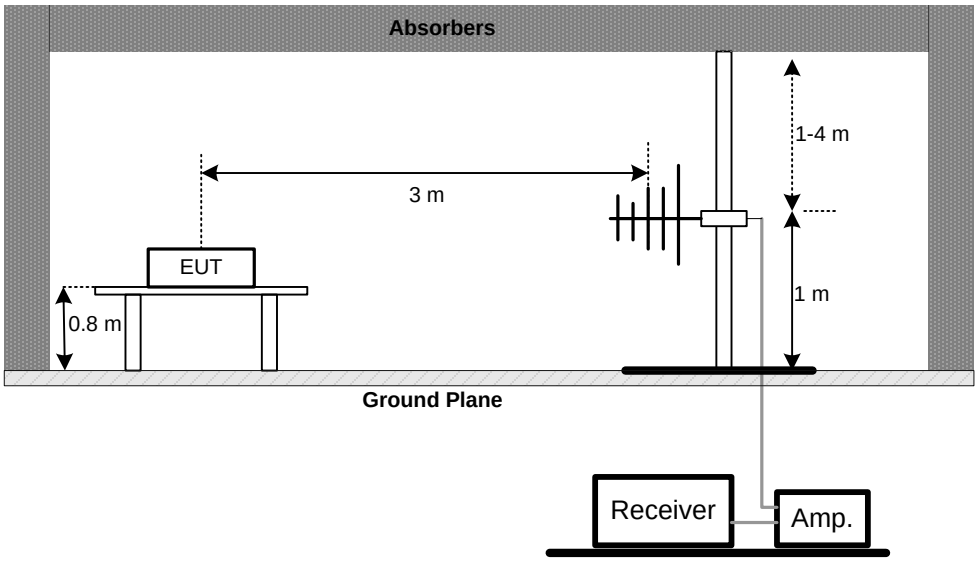
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

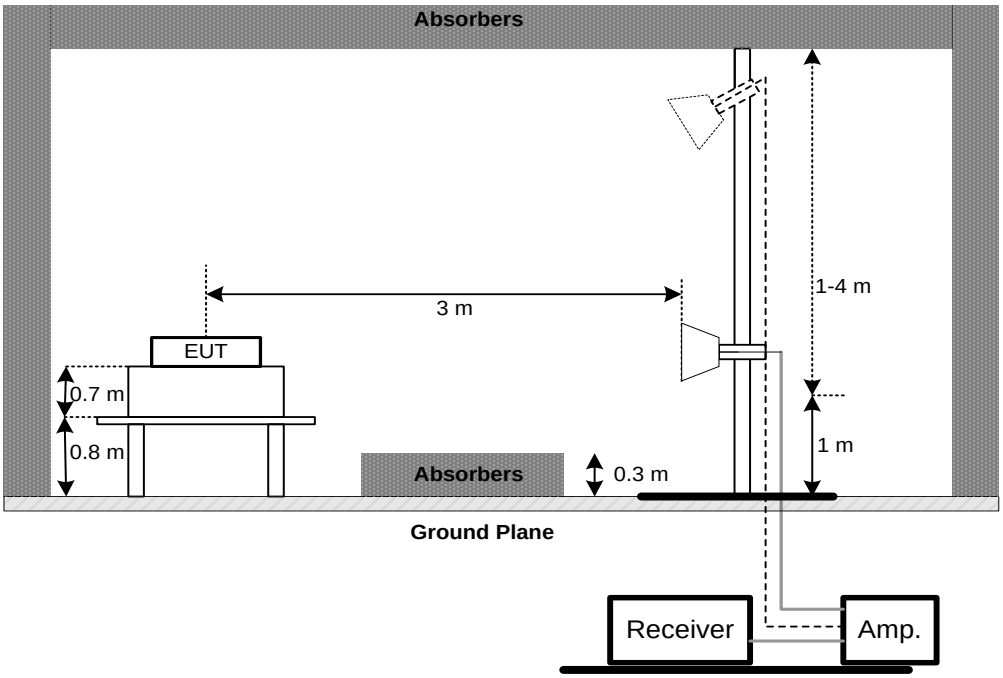
No deviation

4.2.4 TEST SETUP

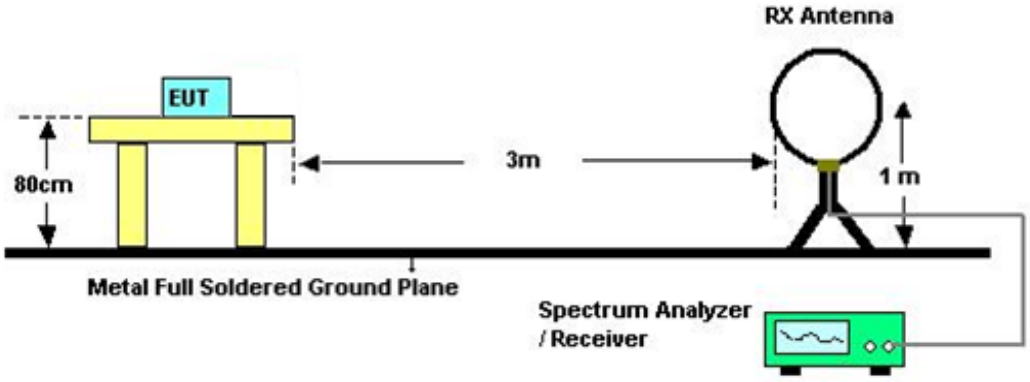
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



(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

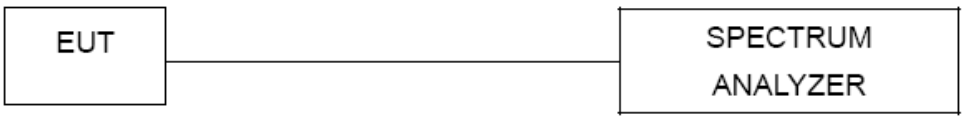
Note:

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

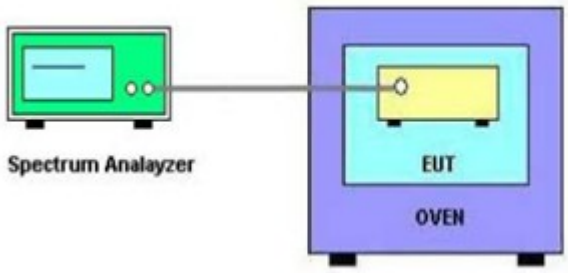
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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. 20, 2017
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Below 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
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 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	FSP 40	100185	Sep. 03, 2018

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Mar. 26, 2018
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Mar. 26, 2018

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 03, 2018

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 03, 2018
2	Precision Oven Tester	HOLINK	H-T-1F-D	BA03101701	Mar. 26, 2018

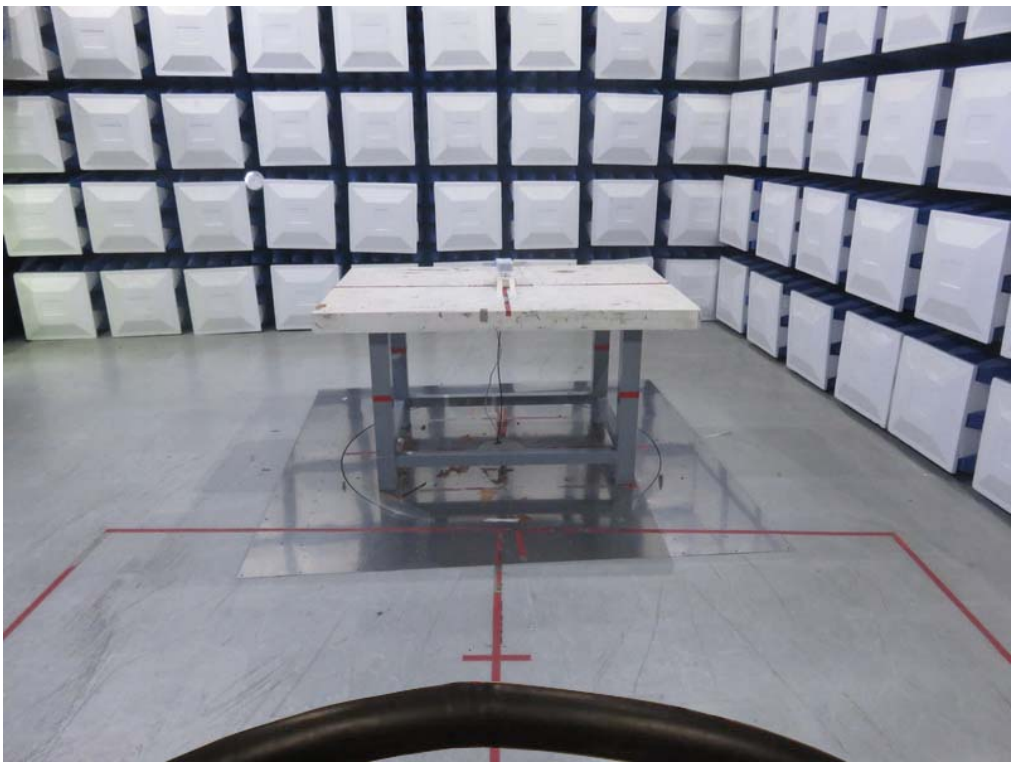
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

10. EUT TEST PHOTOS

Conducted Measurement Photos

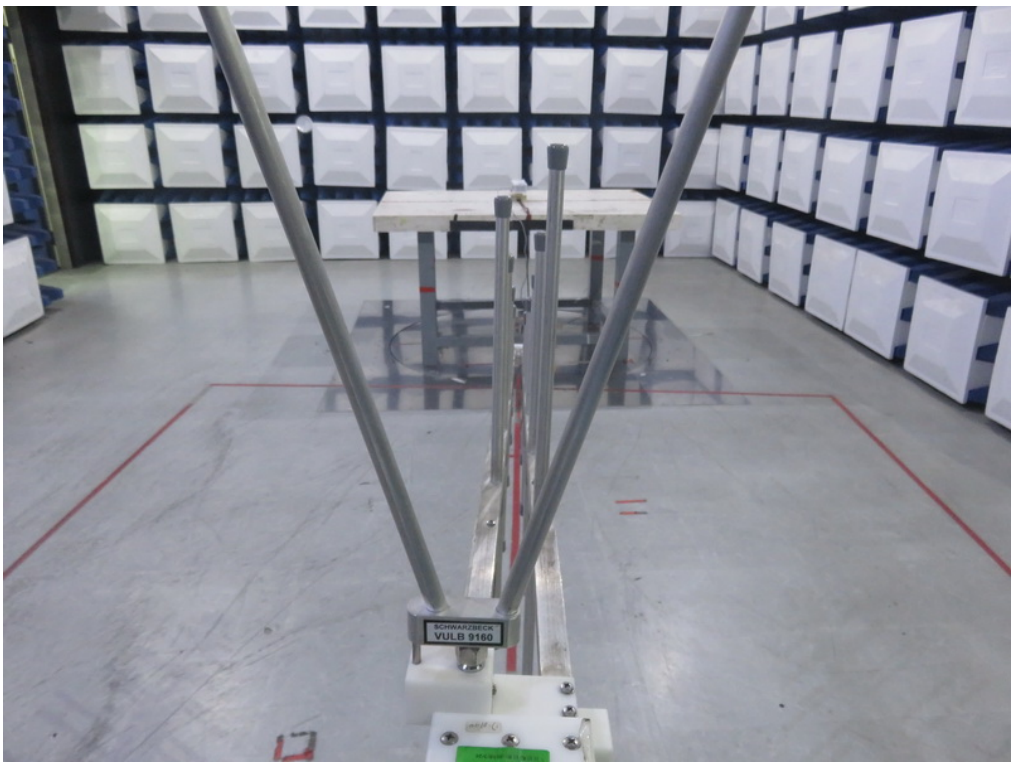
Radiated Measurement Photos

9kHz to 30MHz



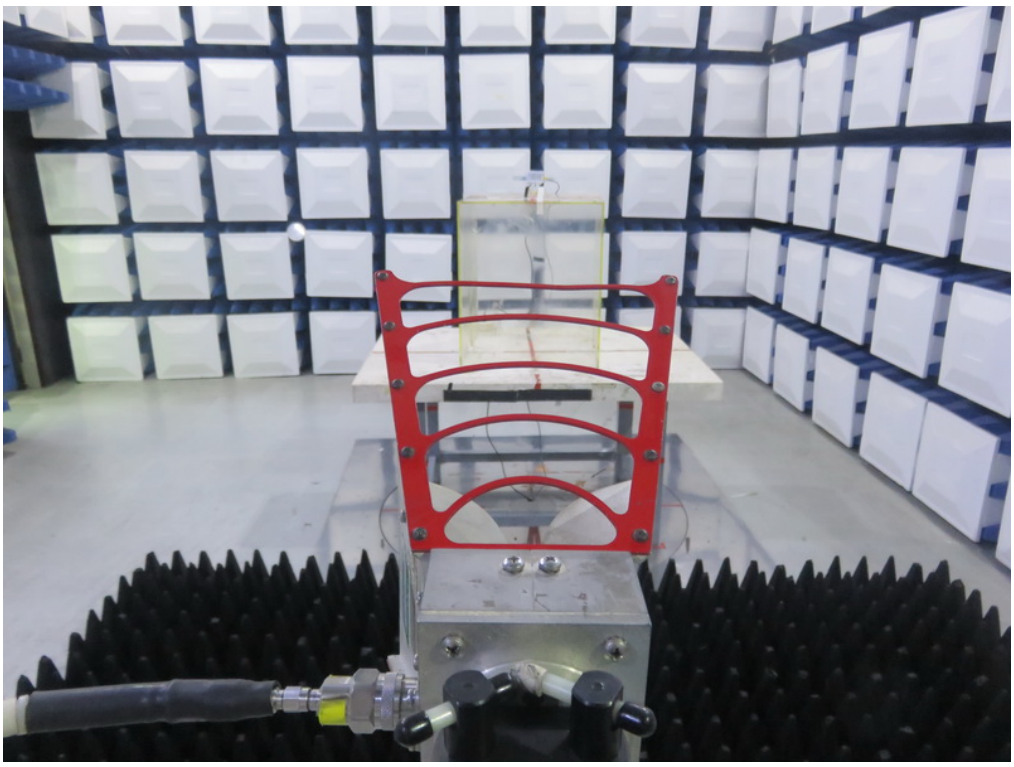
Radiated Measurement Photos

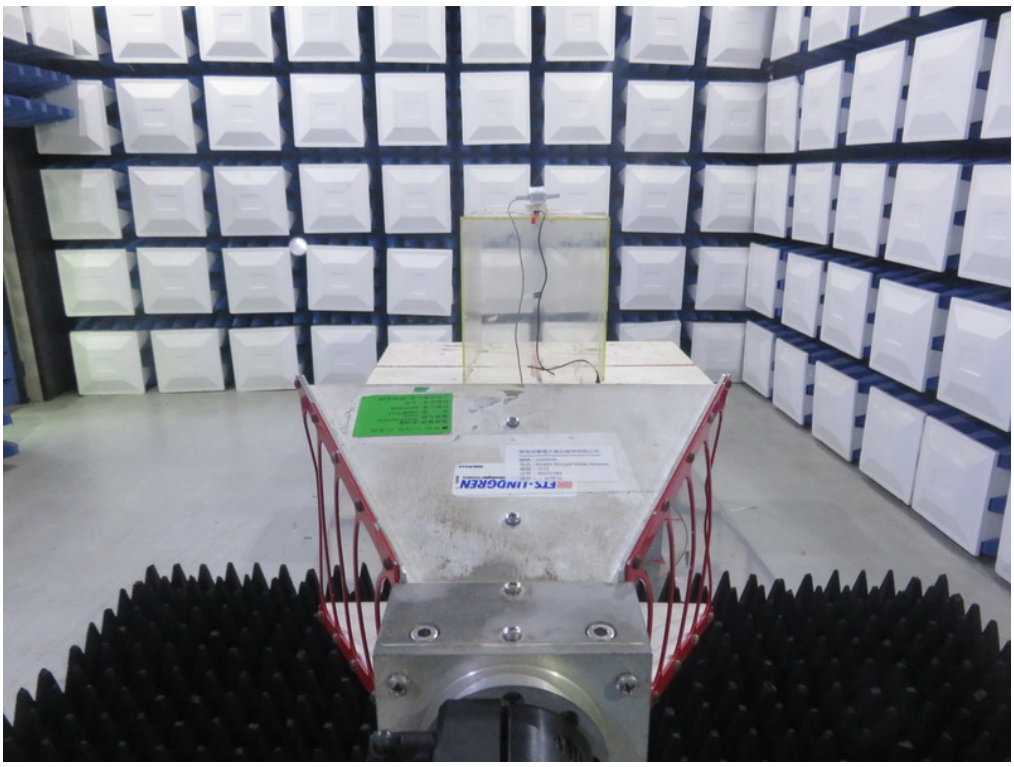
30MHz to 1000MHz



Radiated Measurement Photos

Above 1000MHz

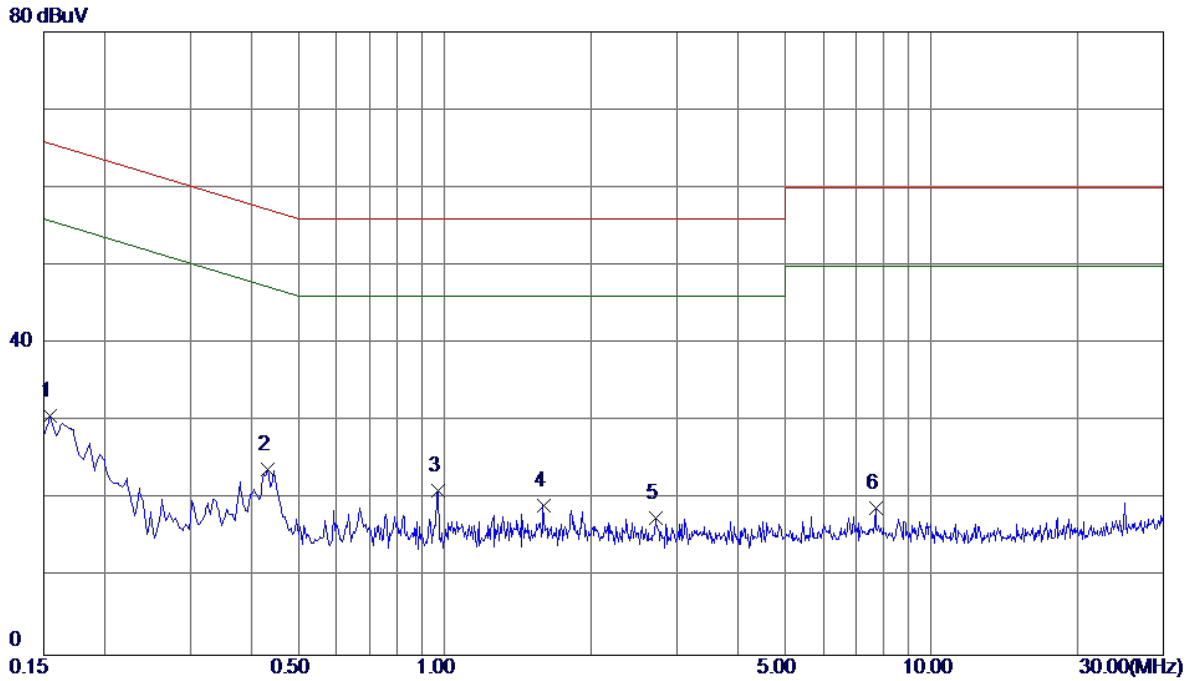




APPENDIX A - CONDUCTED EMISSION

Test Mode:	TX Mode

Line

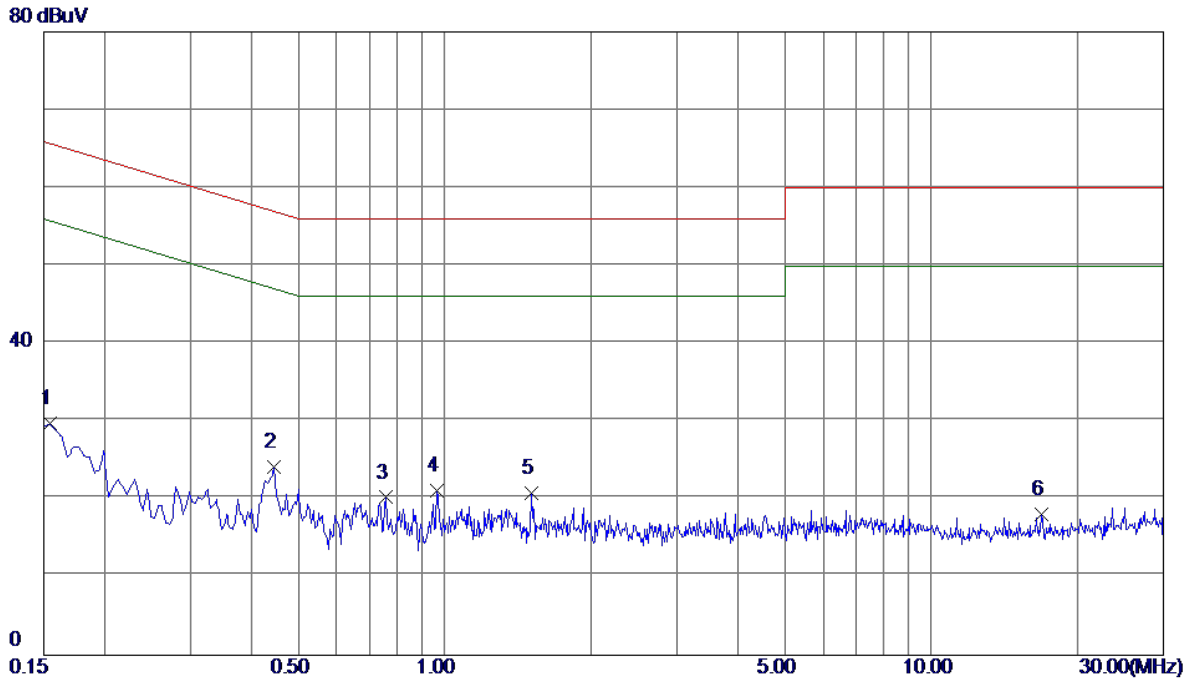


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1545	20.91	9.79	30.70	65.75	-35.05	Peak	
2 *	0.4335	14.02	9.80	23.82	57.19	-33.37	Peak	
3	0.9690	11.23	9.84	21.07	56.00	-34.93	Peak	
4	1.5945	9.26	9.91	19.17	56.00	-36.83	Peak	
5	2.7195	7.69	9.98	17.67	56.00	-38.33	Peak	
6	7.6785	8.71	10.21	18.92	60.00	-41.08	Peak	

Note：The test result has included the cable loss.

Test Mode:	TX Mode

Neutral



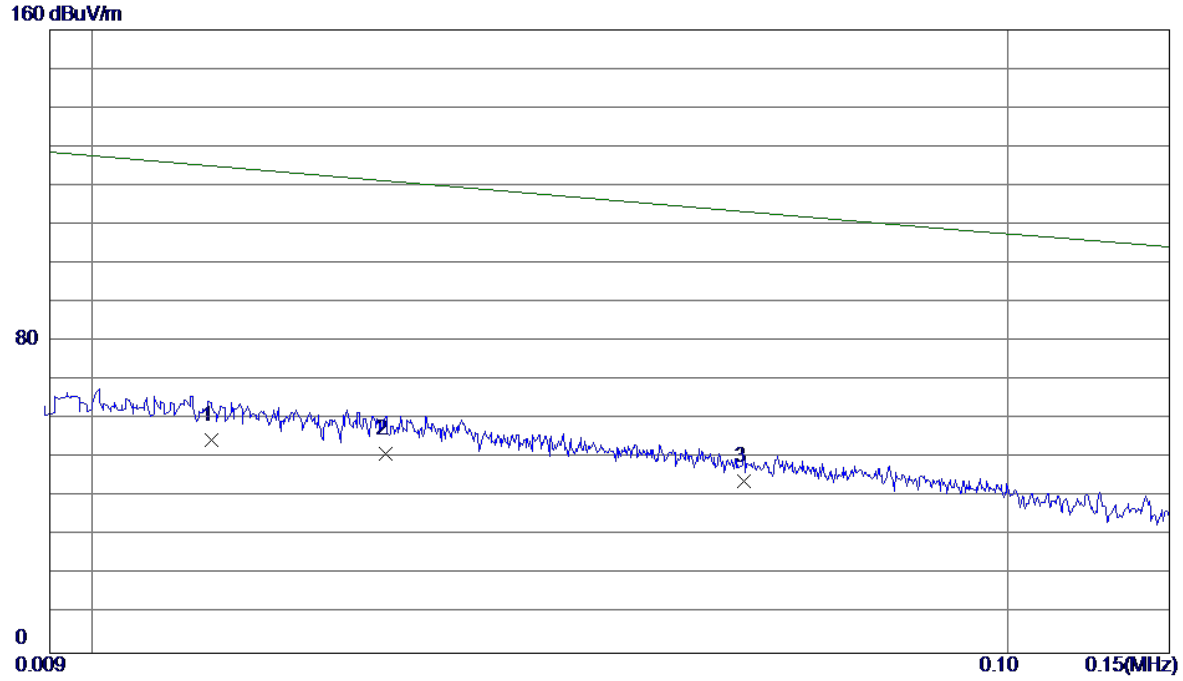
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1545	20.04	9.68	29.72	65.75	-36.03	Peak	
2 *	0.4470	14.44	9.69	24.13	56.93	-32.80	Peak	
3	0.7575	10.52	9.72	20.24	56.00	-35.76	Peak	
4	0.9645	11.44	9.75	21.19	56.00	-34.81	Peak	
5	1.5090	10.95	9.79	20.74	56.00	-35.26	Peak	
6	16.8630	7.39	10.67	18.06	60.00	-41.94	Peak	

Note：The test result has included the cable loss.

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

Test Mode:	TX Mode

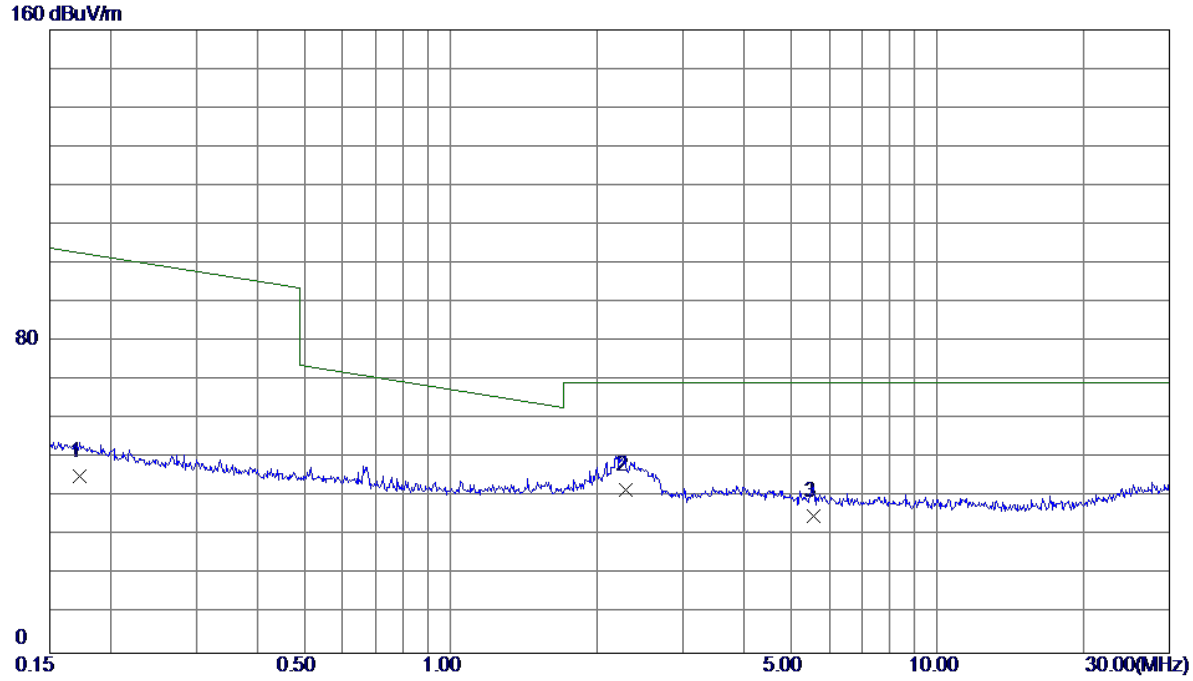
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0135	34.22	20.47	54.69	127.38	-72.69	AVG	
2	0.0209	31.64	19.59	51.23	125.56	-74.33	AVG	
3	0.0515	25.49	18.69	44.18	118.00	-73.82	AVG	

Test Mode:	TX Mode

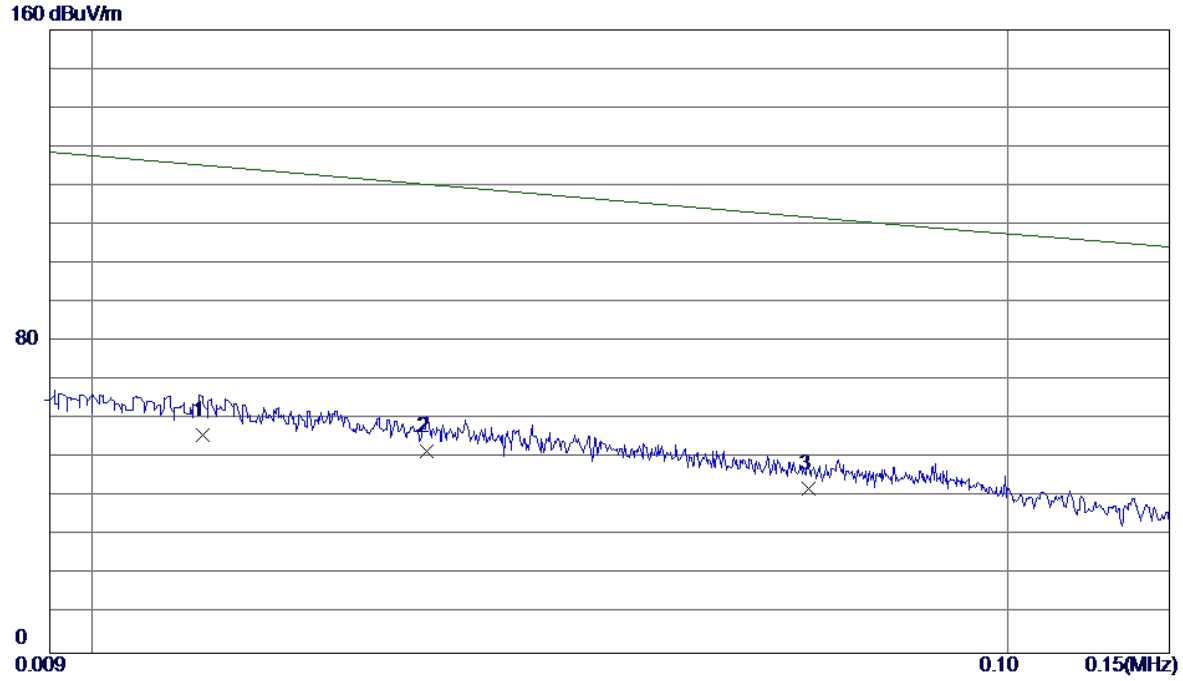
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.1731	28.46	16.88	45.34	104.62	-59.28	AVG	
2 *	2.2847	26.49	15.43	41.92	69.54	-27.62	QP	
3	5.5641	20.75	14.30	35.05	69.54	-34.49	QP	

Test Mode:	TX Mode

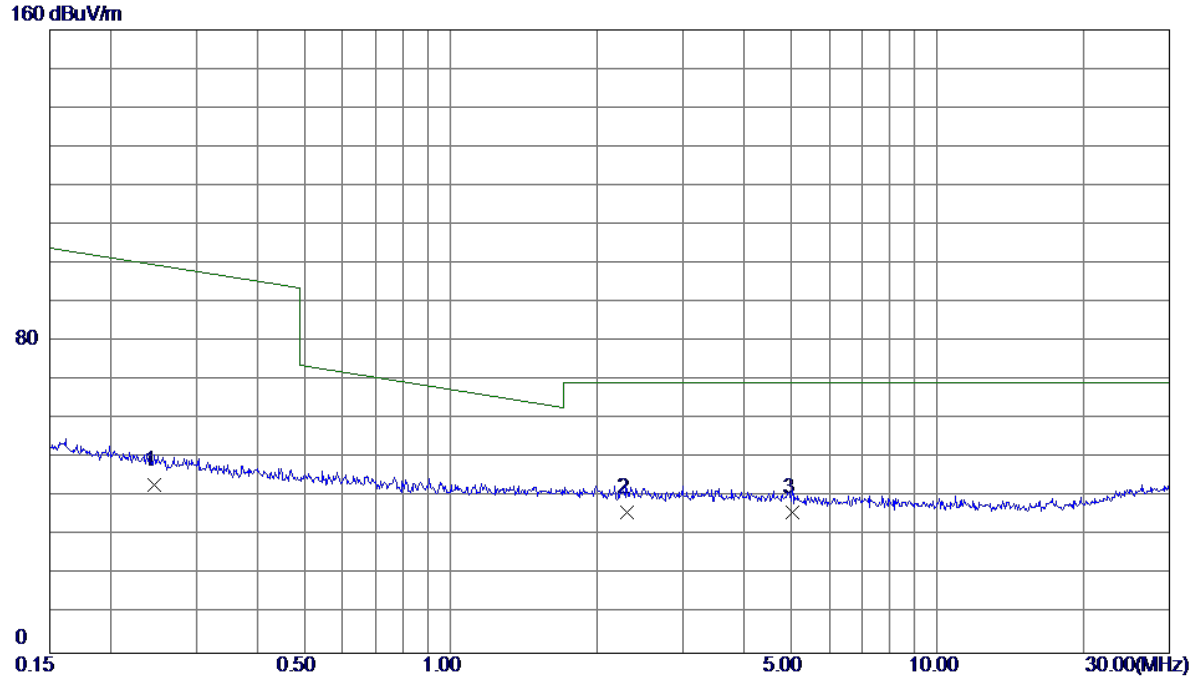
Ant 90°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0132	35.49	20.50	55.99	127.46	-71.47	AVG	
2	0.0232	32.46	19.53	51.99	124.99	-73.00	AVG	
3	0.0605	23.69	18.51	42.20	115.78	-73.58	AVG	

Test Mode:	TX Mode

Ant 90°

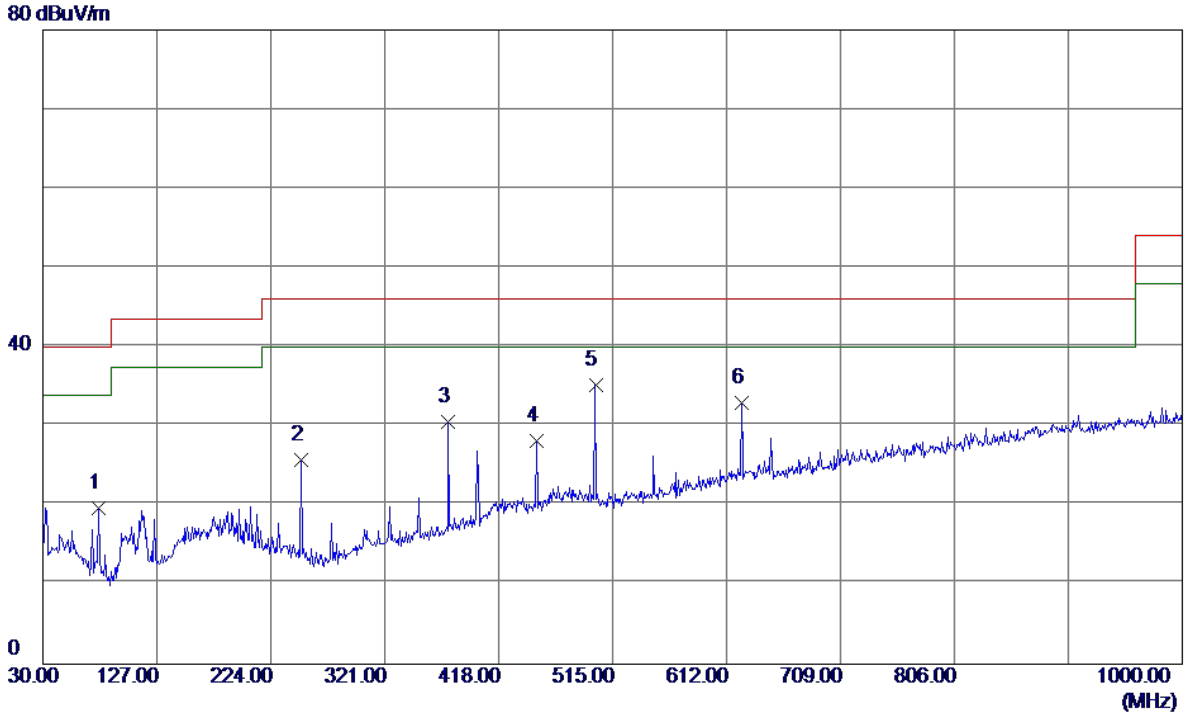


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.2455	26.48	16.67	43.15	102.15	-59.00	AVG	
2 *	2.2968	20.86	15.43	36.29	69.54	-33.25	QP	
3	5.0312	21.71	14.37	36.08	69.54	-33.46	QP	

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

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

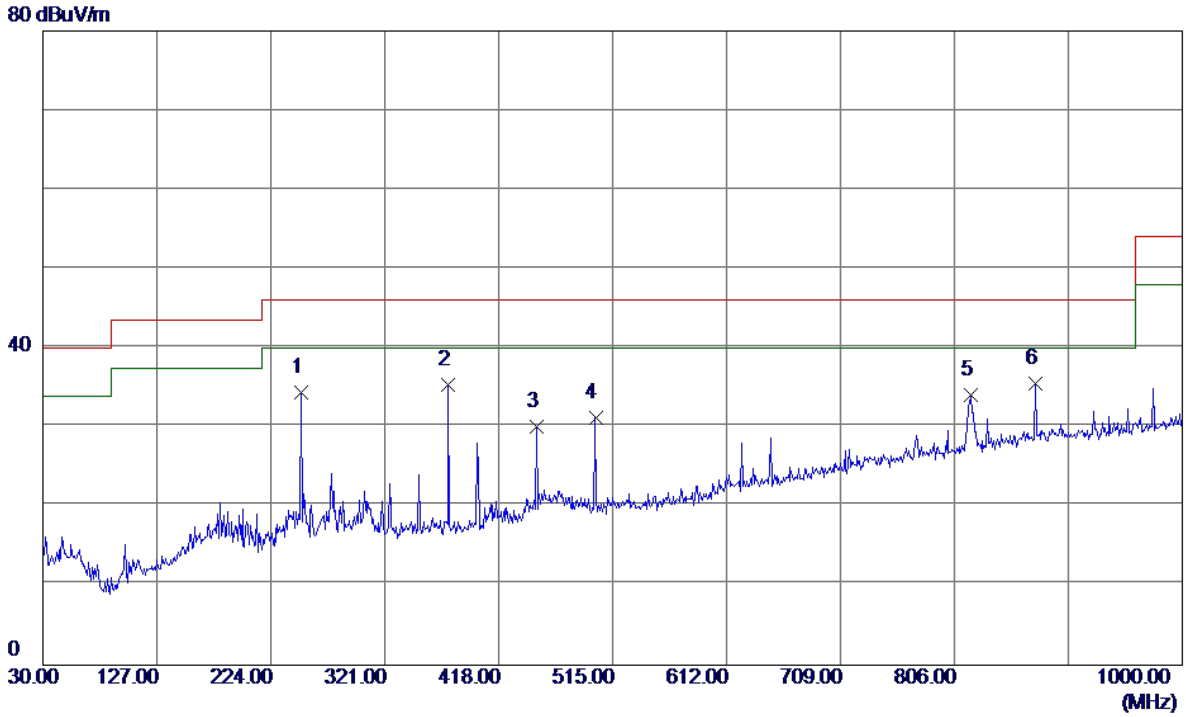
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77.5300	37.40	-17.67	19.73	40.00	-20.27	Peak	
2	250.1900	40.70	-14.90	25.80	46.00	-20.20	Peak	
3	375.3200	42.15	-11.65	30.50	46.00	-15.50	Peak	
4	450.0100	38.12	-9.94	28.18	46.00	-17.82	Peak	
5 *	500.4500	43.93	-8.71	35.22	46.00	-10.78	Peak	
6	624.6100	38.98	-5.95	33.03	46.00	-12.97	Peak	

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

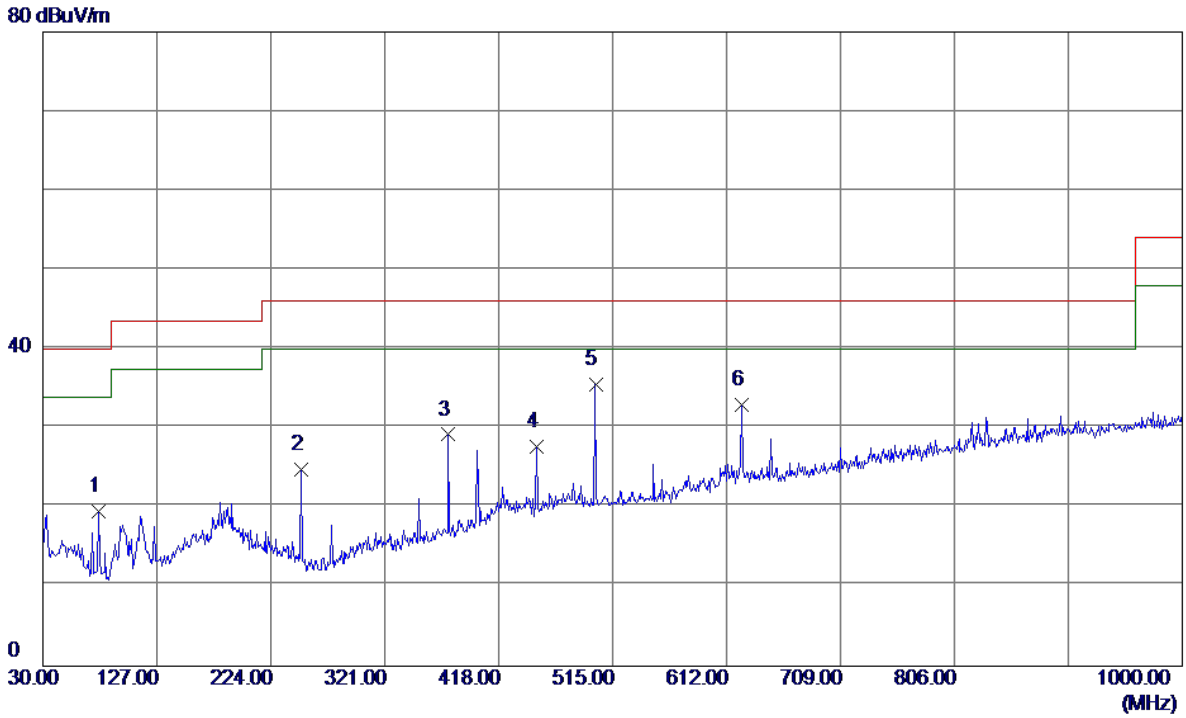
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	250.1900	49.37	-14.90	34.47	46.00	-11.53	Peak	
2	375.3200	47.06	-11.65	35.41	46.00	-10.59	Peak	
3	450.0100	40.02	-9.94	30.08	46.00	-15.92	Peak	
4	500.4500	39.94	-8.71	31.23	46.00	-14.77	Peak	
5	819.5800	34.88	-0.83	34.05	46.00	-11.95	Peak	
6 *	874.8700	34.94	0.51	35.45	46.00	-10.55	Peak	

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

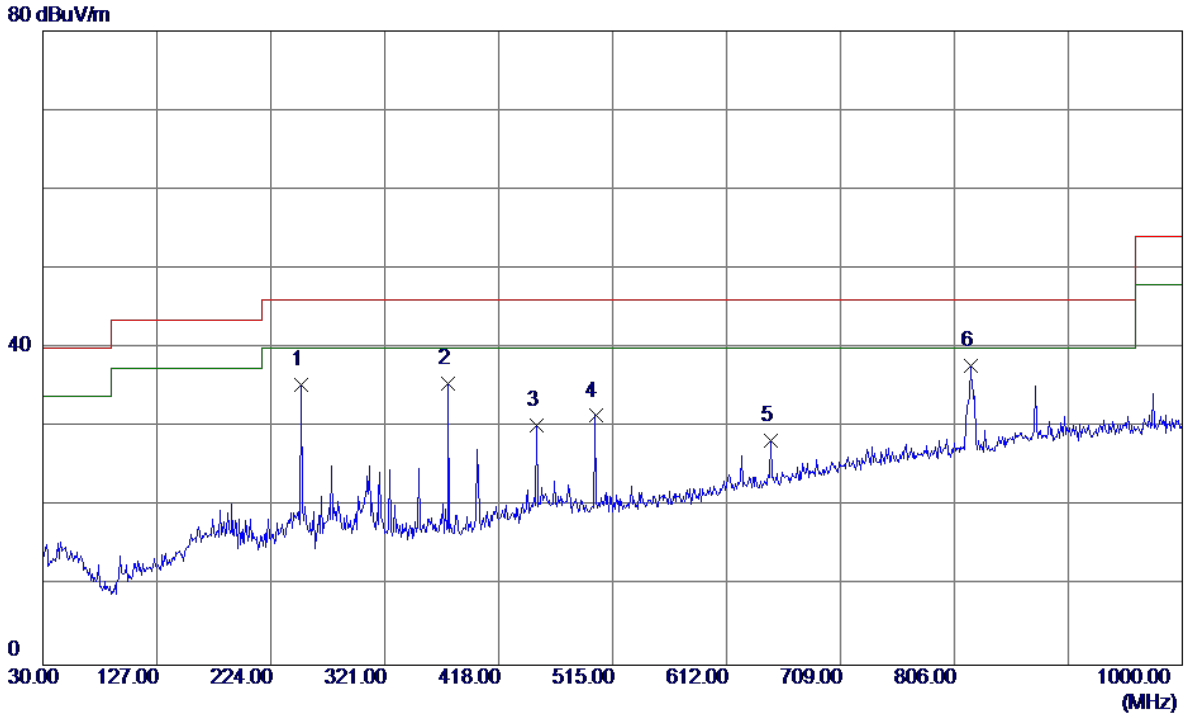
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77.5300	37.17	-17.67	19.50	40.00	-20.50	Peak	
2	250.1900	39.64	-14.90	24.74	46.00	-21.26	Peak	
3	375.3200	40.85	-11.65	29.20	46.00	-16.80	Peak	
4	450.0100	37.69	-9.94	27.75	46.00	-18.25	Peak	
5 *	500.4500	44.17	-8.71	35.46	46.00	-10.54	Peak	
6	624.6100	38.86	-5.95	32.91	46.00	-13.09	Peak	

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

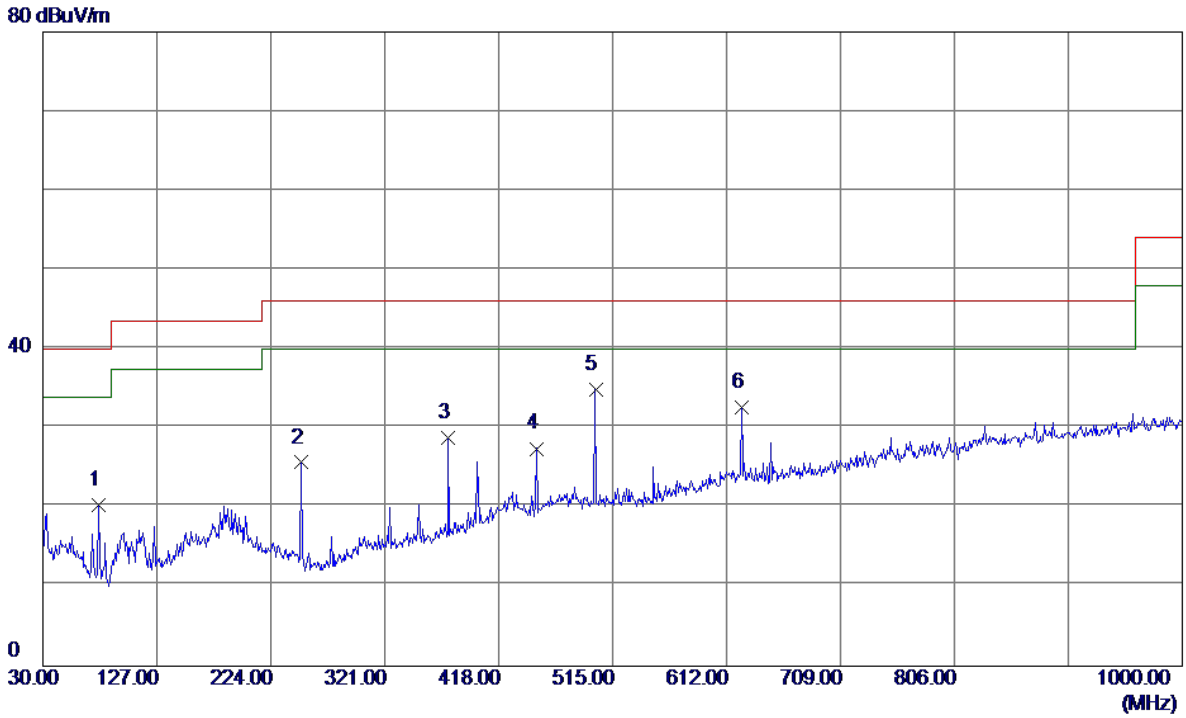
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	250.1900	50.19	-14.90	35.29	46.00	-10.71	Peak	
2	375.3200	47.18	-11.65	35.53	46.00	-10.47	Peak	
3	450.0100	40.12	-9.94	30.18	46.00	-15.82	Peak	
4	500.4500	40.15	-8.71	31.44	46.00	-14.56	Peak	
5	649.8300	33.80	-5.48	28.32	46.00	-17.68	Peak	
6 *	819.5800	38.54	-0.83	37.71	46.00	-8.29	Peak	

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

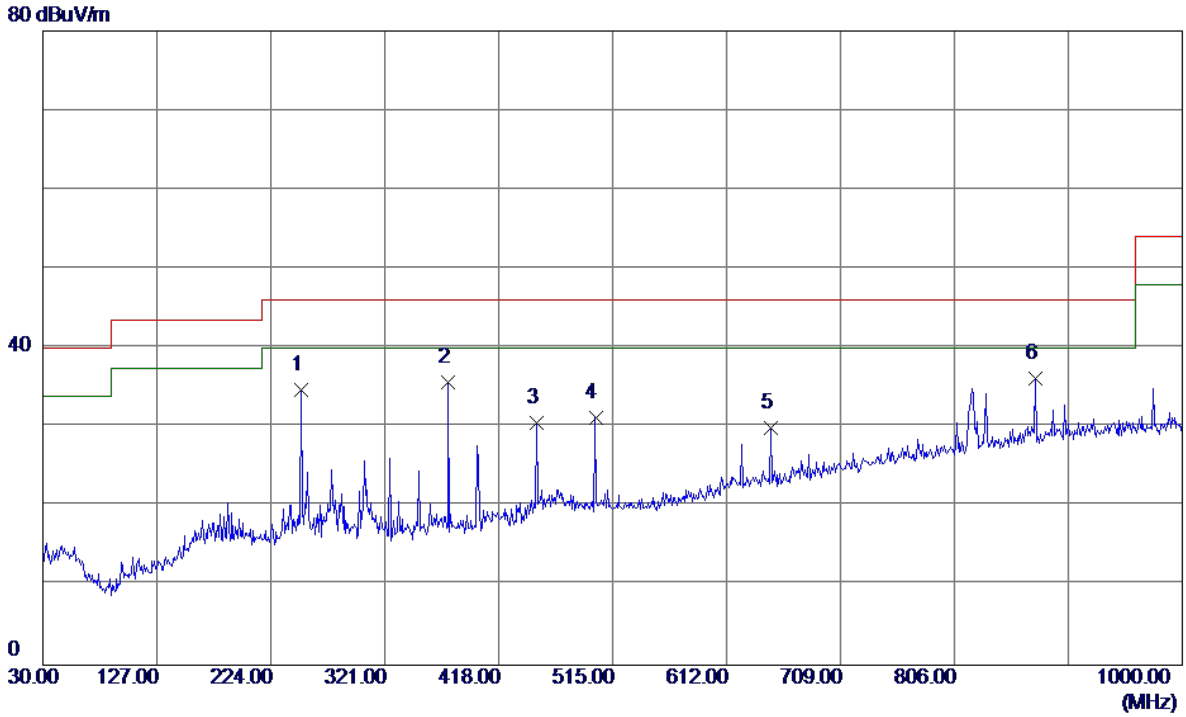
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77.5300	37.92	-17.67	20.25	40.00	-19.75	Peak	
2	250.1900	40.58	-14.90	25.68	46.00	-20.32	Peak	
3	375.3200	40.51	-11.65	28.86	46.00	-17.14	Peak	
4	450.0100	37.38	-9.94	27.44	46.00	-18.56	Peak	
5 *	500.4500	43.53	-8.71	34.82	46.00	-11.18	Peak	
6	624.6100	38.62	-5.95	32.67	46.00	-13.33	Peak	

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

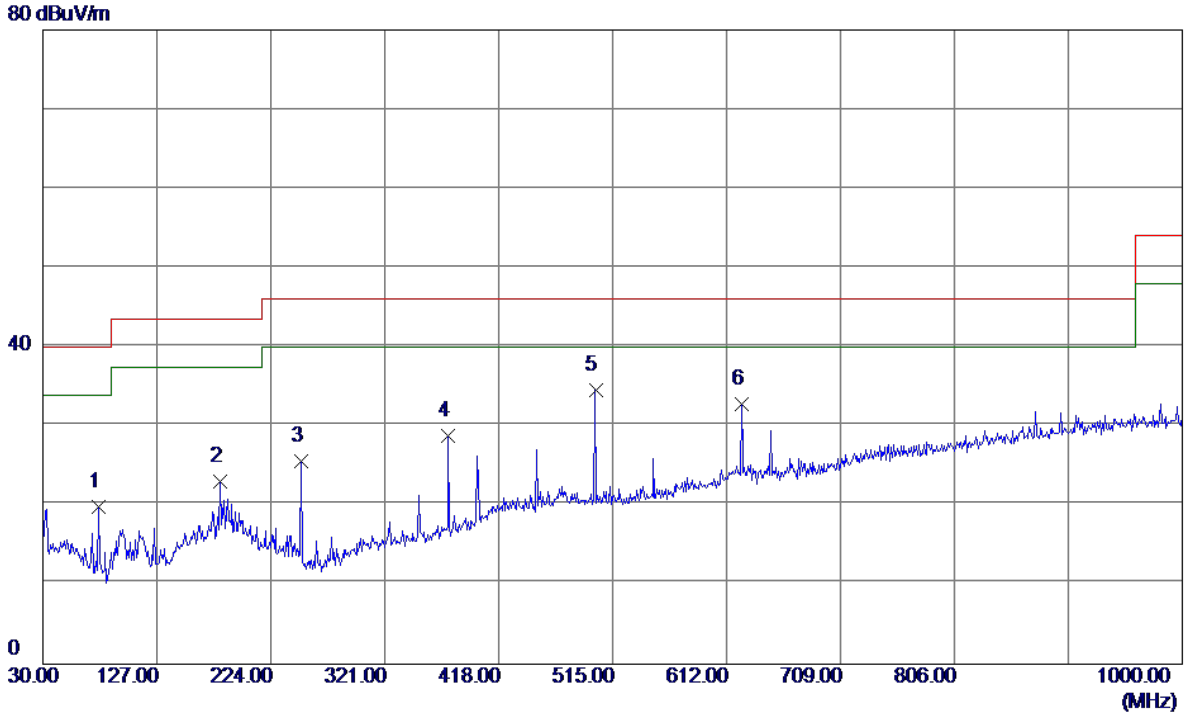
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	250.1900	49.56	-14.90	34.66	46.00	-11.34	Peak	
2	375.3200	47.29	-11.65	35.64	46.00	-10.36	Peak	
3	450.0100	40.48	-9.94	30.54	46.00	-15.46	Peak	
4	500.4500	39.84	-8.71	31.13	46.00	-14.87	Peak	
5	649.8300	35.33	-5.48	29.85	46.00	-16.15	Peak	
6 *	874.8700	35.64	0.51	36.15	46.00	-9.85	Peak	

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

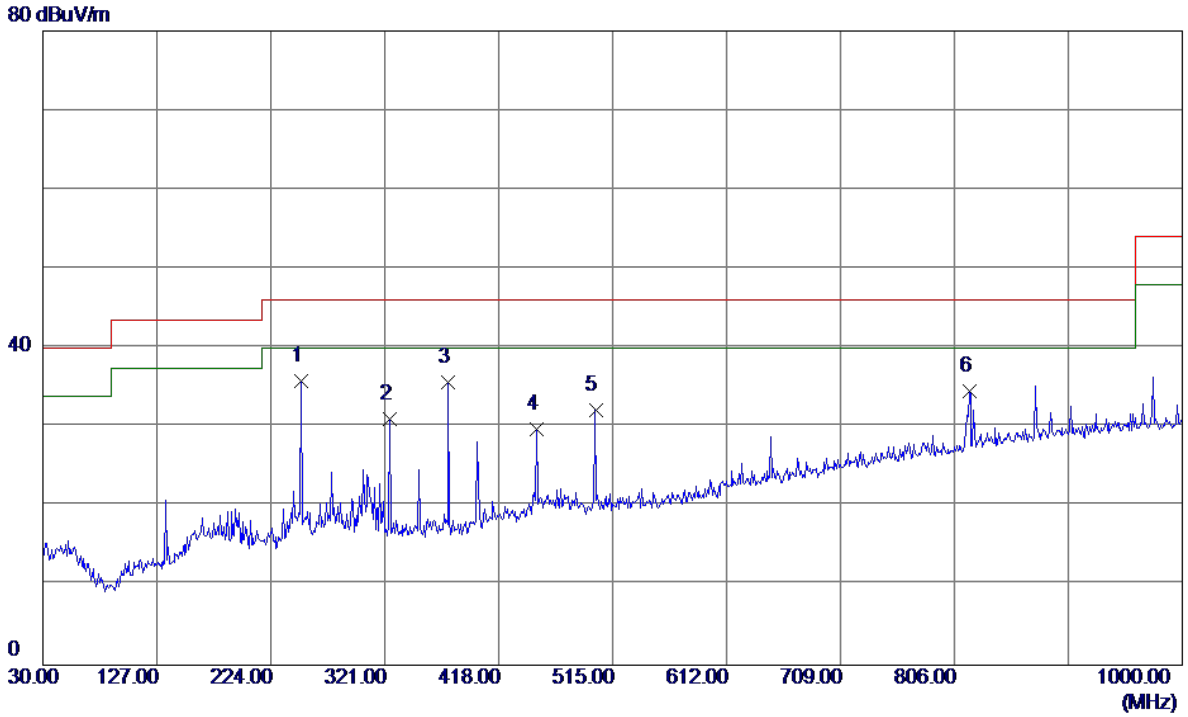
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77.5300	37.49	-17.67	19.82	40.00	-20.18	Peak	
2	181.3200	35.14	-12.15	22.99	43.50	-20.51	Peak	
3	250.1900	40.51	-14.90	25.61	46.00	-20.39	Peak	
4	375.3200	40.51	-11.65	28.86	46.00	-17.14	Peak	
5 *	500.4500	43.29	-8.71	34.58	46.00	-11.42	Peak	
6	624.6100	38.73	-5.95	32.78	46.00	-13.22	Peak	

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

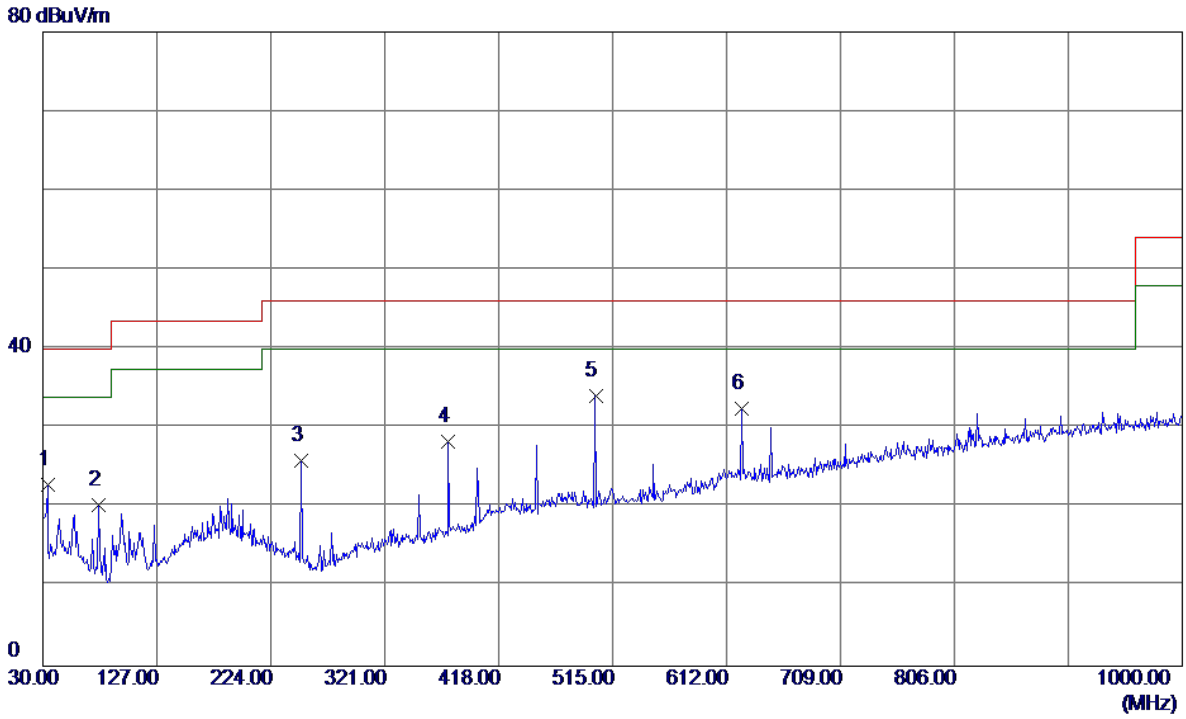
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	250.1900	50.77	-14.90	35.87	46.00	-10.13	Peak	
2	324.8800	43.46	-12.39	31.07	46.00	-14.93	Peak	
3	375.3200	47.34	-11.65	35.69	46.00	-10.31	Peak	
4	450.0100	39.71	-9.94	29.77	46.00	-16.23	Peak	
5	500.4500	40.89	-8.71	32.18	46.00	-13.82	Peak	
6	818.6100	35.41	-0.85	34.56	46.00	-11.44	Peak	

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

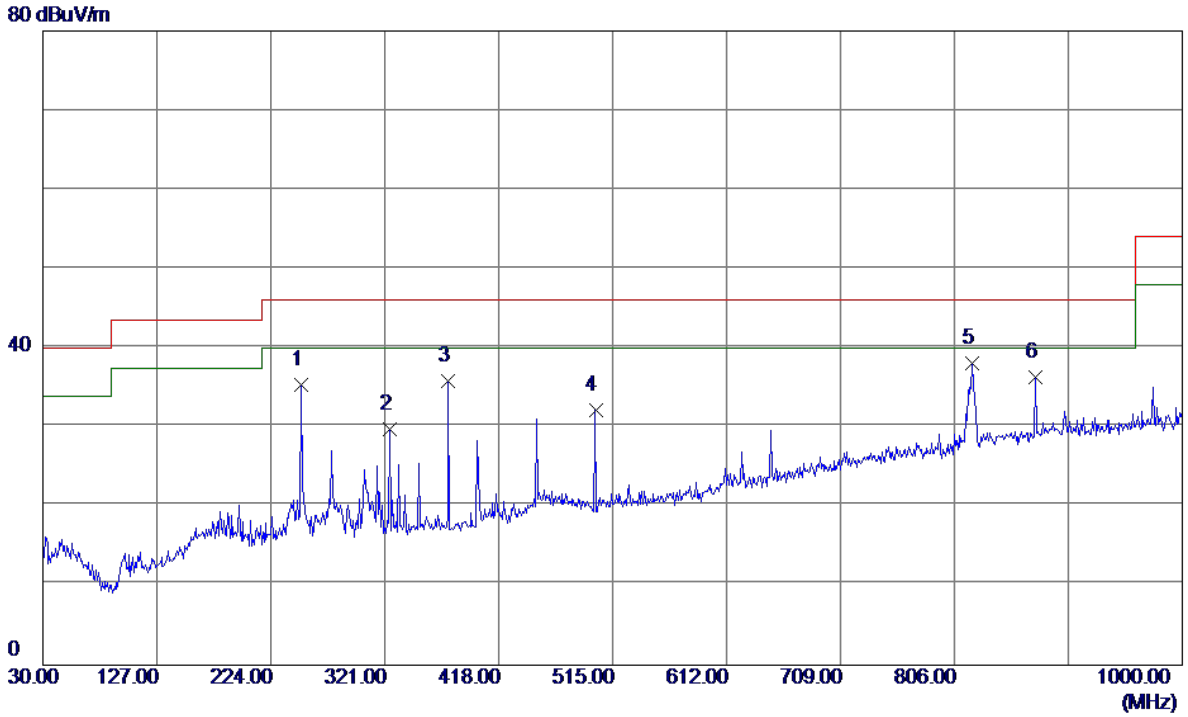
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	33.8800	37.65	-14.73	22.92	40.00	-17.08	Peak	
2	77.5300	38.05	-17.67	20.38	40.00	-19.62	Peak	
3	250.1900	40.77	-14.90	25.87	46.00	-20.13	Peak	
4	375.3200	39.91	-11.65	28.26	46.00	-17.74	Peak	
5 *	500.4500	42.82	-8.71	34.11	46.00	-11.89	Peak	
6	624.6100	38.50	-5.95	32.55	46.00	-13.45	Peak	

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

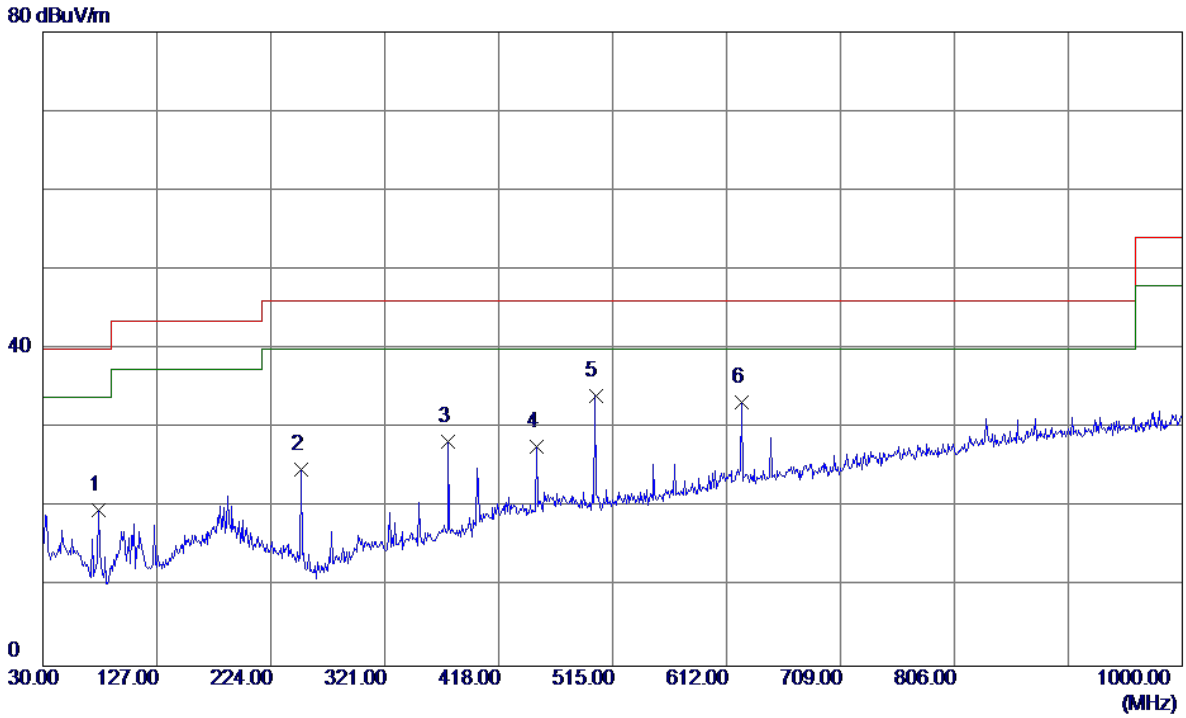
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	250.1900	50.29	-14.90	35.39	46.00	-10.61	Peak	
2	324.8800	42.19	-12.39	29.80	46.00	-16.20	Peak	
3	375.3200	47.54	-11.65	35.89	46.00	-10.11	Peak	
4	500.4500	40.93	-8.71	32.22	46.00	-13.78	Peak	
5 *	821.5200	38.82	-0.77	38.05	46.00	-7.95	Peak	
6	874.8700	35.75	0.51	36.26	46.00	-9.74	Peak	

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

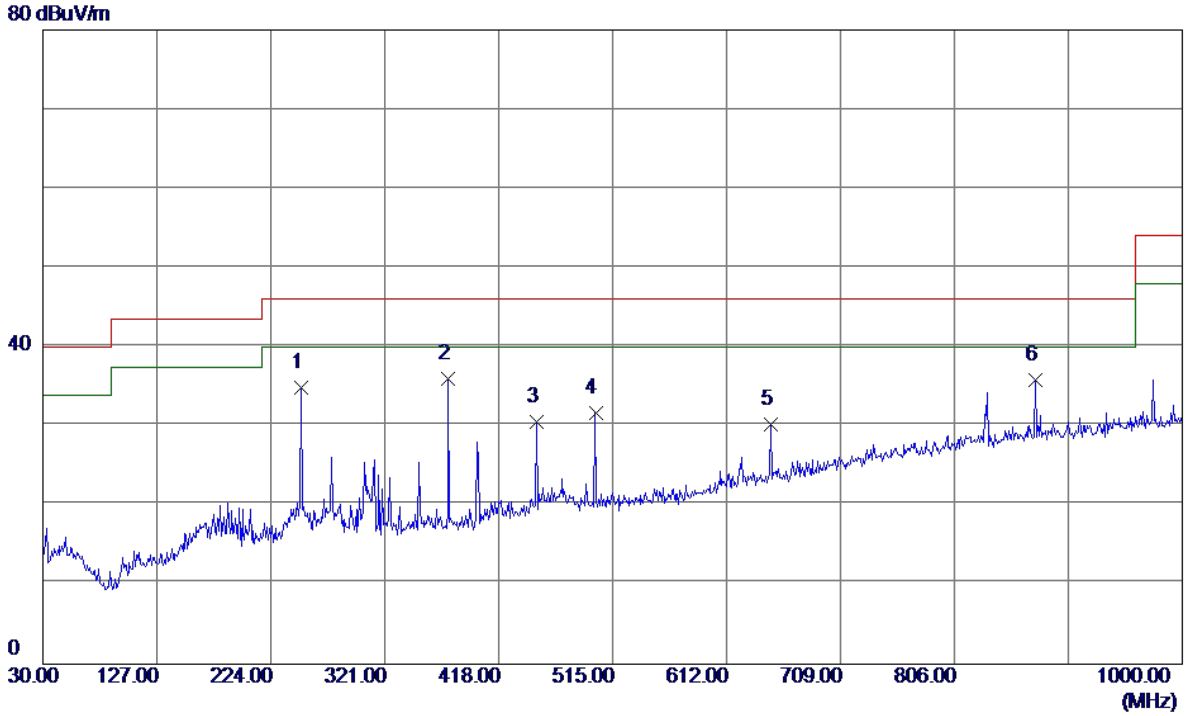
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77.5300	37.36	-17.67	19.69	40.00	-20.31	Peak	
2	250.1900	39.73	-14.90	24.83	46.00	-21.17	Peak	
3	375.3200	40.02	-11.65	28.37	46.00	-17.63	Peak	
4	450.0100	37.66	-9.94	27.72	46.00	-18.28	Peak	
5 *	500.4500	42.72	-8.71	34.01	46.00	-11.99	Peak	
6	624.6100	39.29	-5.95	33.34	46.00	-12.66	Peak	

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

Horizontal

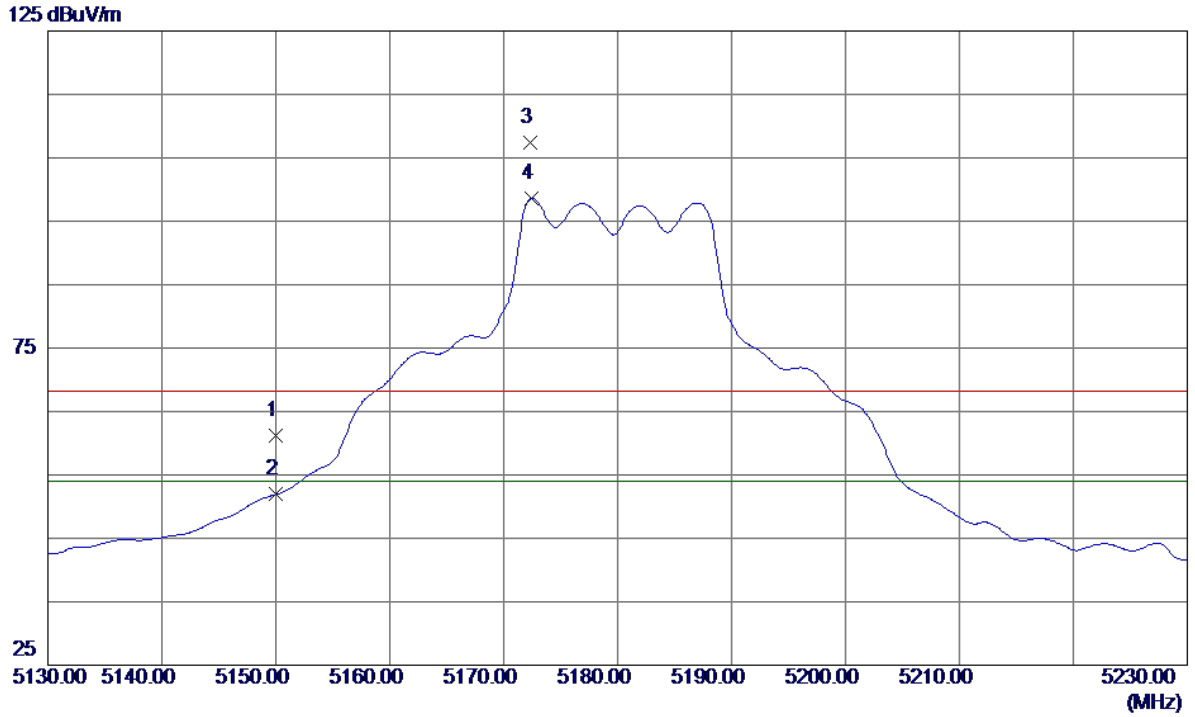


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	250.1900	49.83	-14.90	34.93	46.00	-11.07	Peak	
2 *	375.3200	47.68	-11.65	36.03	46.00	-9.97	Peak	
3	450.0100	40.55	-9.94	30.61	46.00	-15.39	Peak	
4	500.4500	40.35	-8.71	31.64	46.00	-14.36	Peak	
5	649.8300	35.67	-5.48	30.19	46.00	-15.81	Peak	
6	874.8700	35.37	0.51	35.88	46.00	-10.12	Peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

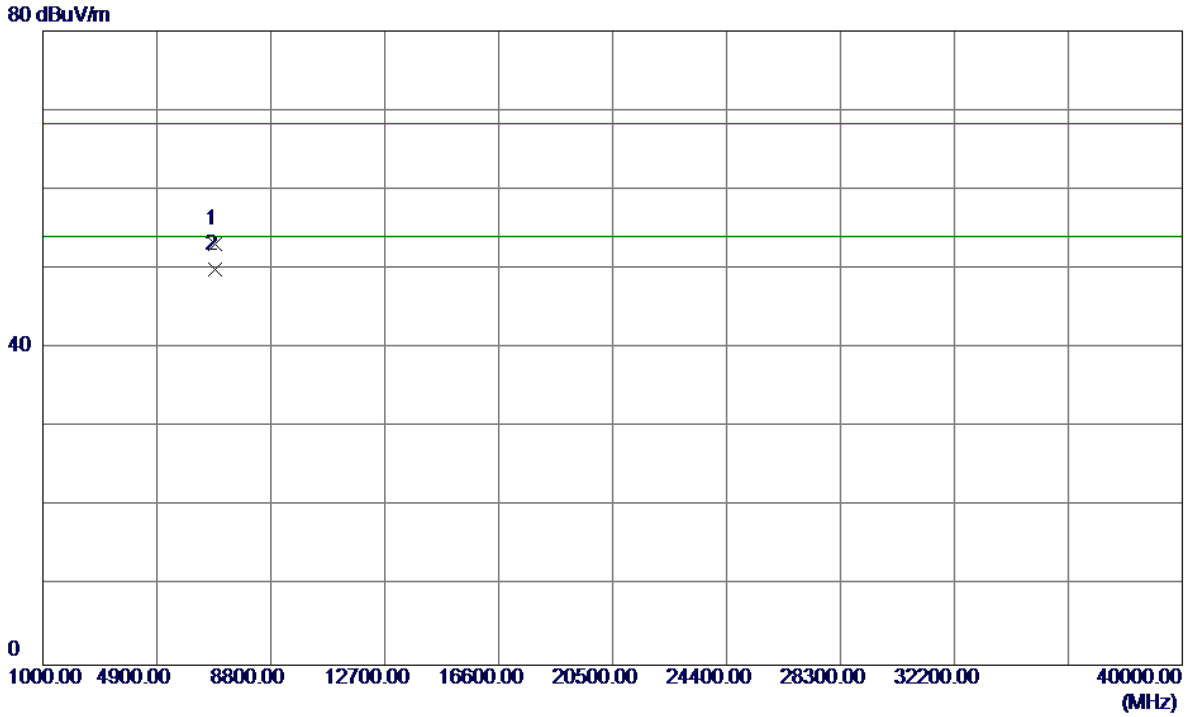
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.11	41.10	61.21	68.30	-7.09	Peak	
2	5150.0000	10.81	41.10	51.91	54.00	-2.09	AVG	
3	5172.3000	66.12	41.22	107.34	68.30	39.04	Peak	No Limit
4 *	5172.4000	57.42	41.22	98.64	54.00	44.64	AVG	No Limit

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

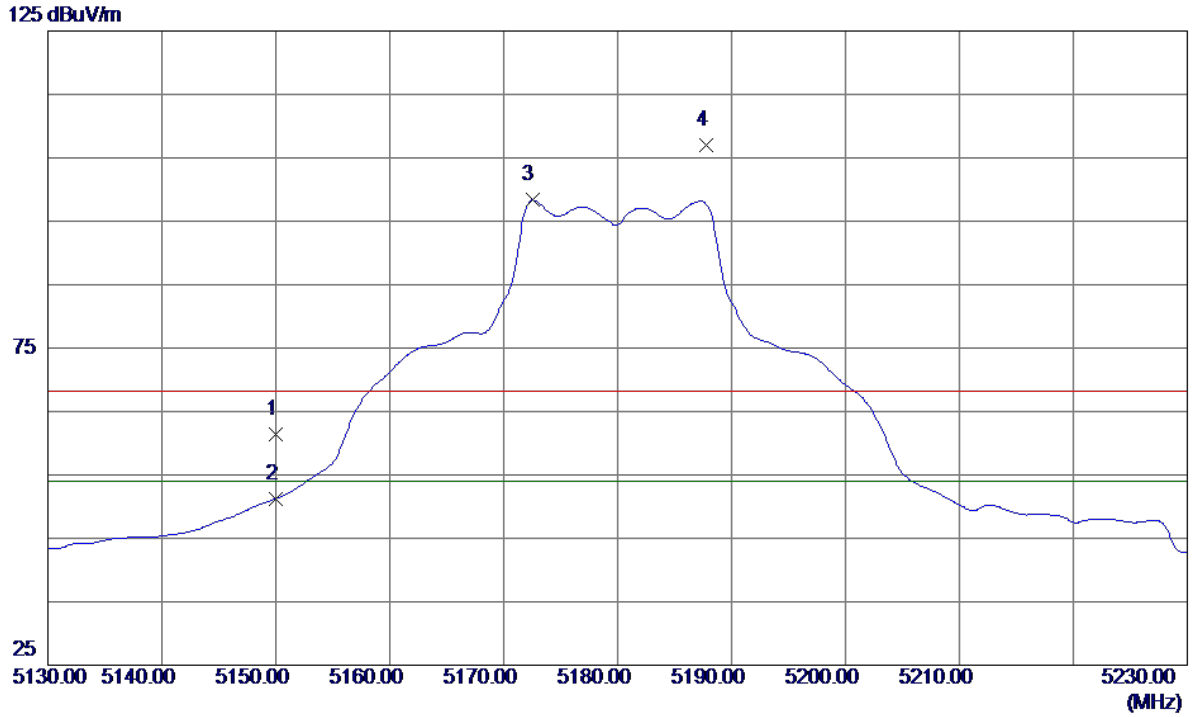
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6906.5860	40.43	12.69	53.12	68.30	-15.18	Peak	
2 *	6906.6400	37.16	12.69	49.85	54.00	-4.15	AVG	

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

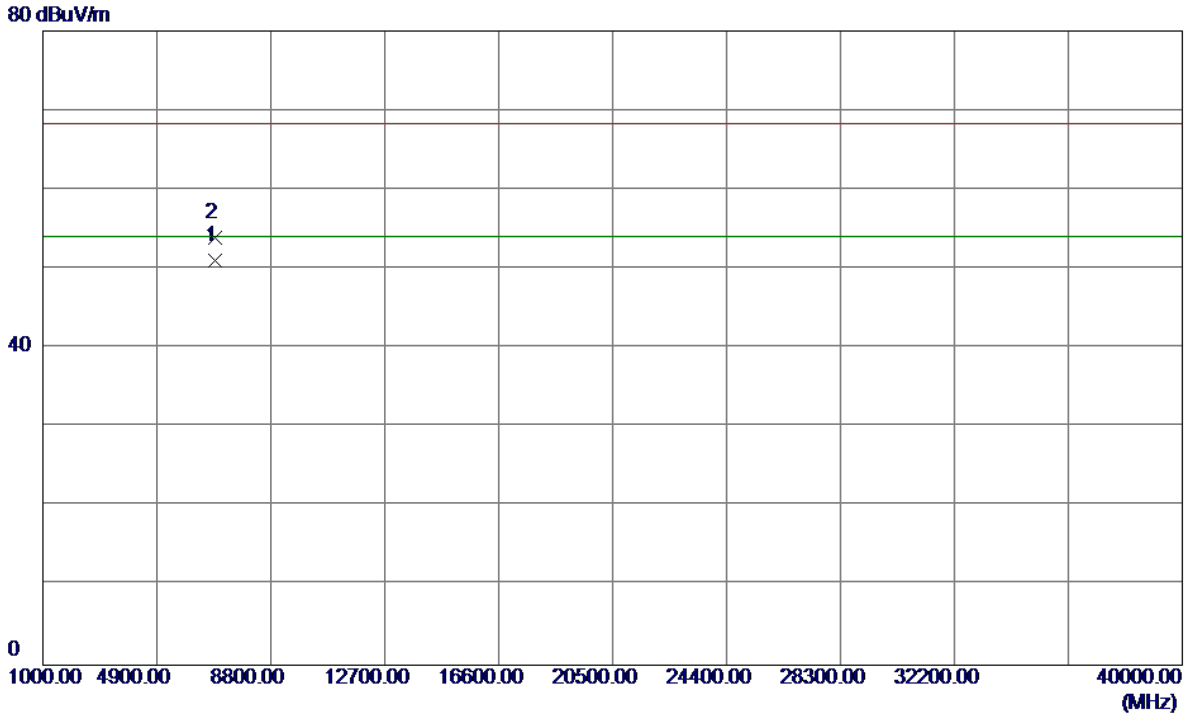
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.36	41.10	61.46	68.30	-6.84	Peak	
2	5150.0000	10.16	41.10	51.26	54.00	-2.74	AVG	
3 *	5172.5000	57.10	41.22	98.32	54.00	44.32	AVG	No Limit
4	5187.8000	65.71	41.29	107.00	68.30	38.70	Peak	No Limit

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

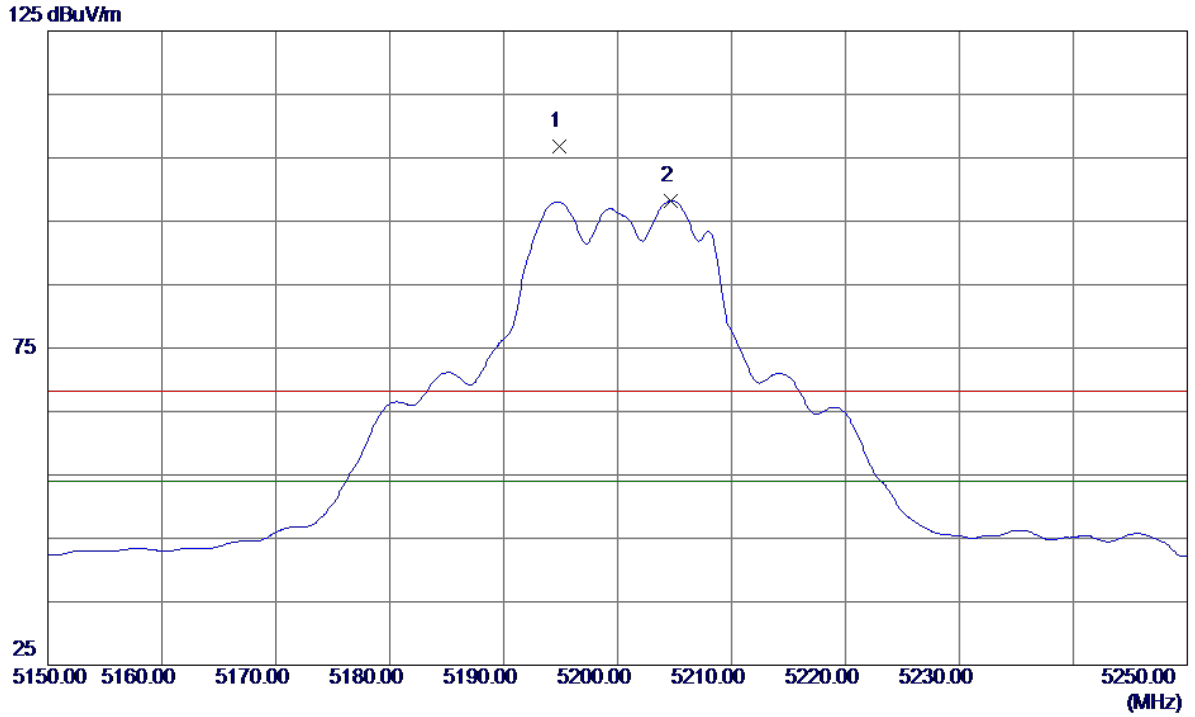
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6906.6820	38.42	12.69	51.11	54.00	-2.89	AVG	
2	6906.6980	41.27	12.69	53.96	68.30	-14.34	Peak	

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

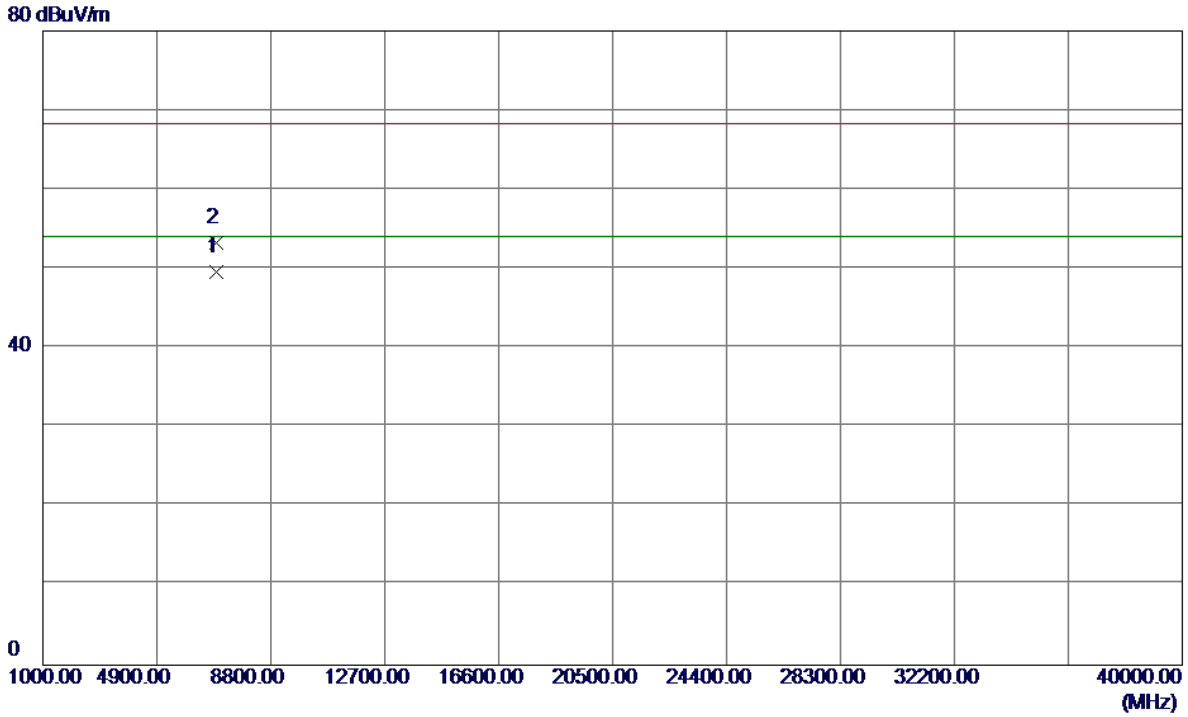
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.9000	65.42	41.33	106.75	68.30	38.45	Peak	No Limit
2 *	5204.7000	56.81	41.38	98.19	54.00	44.19	AVG	No Limit

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

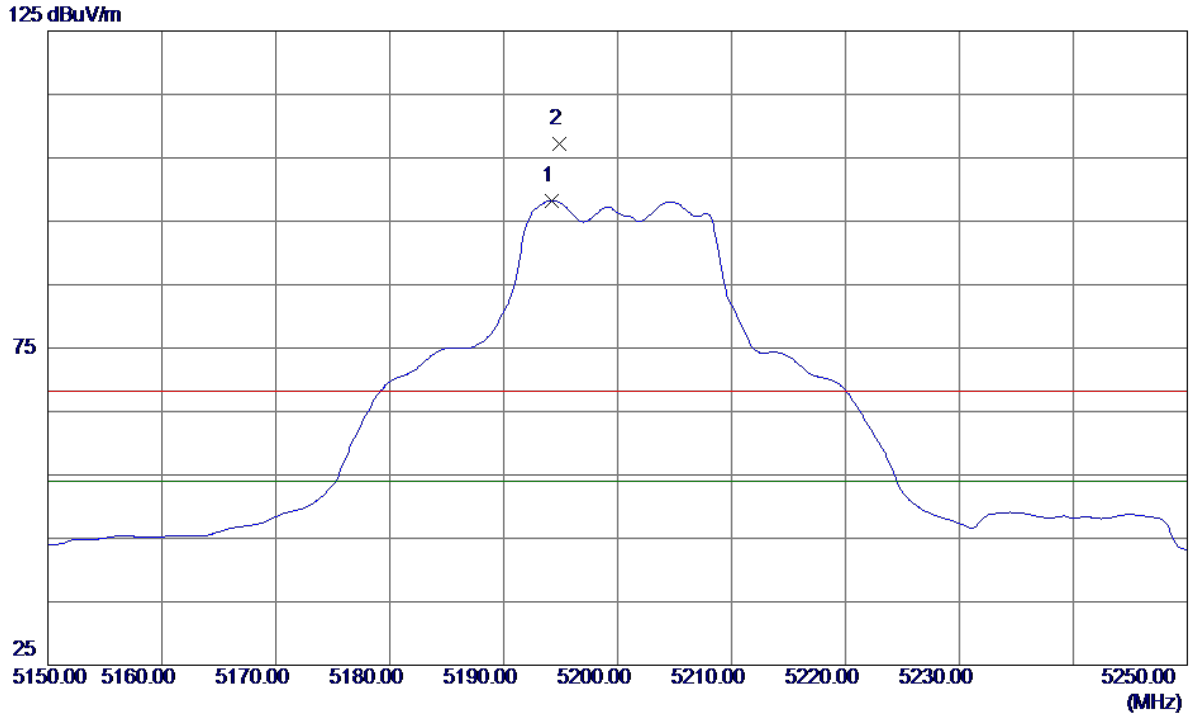
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6933.3340	36.81	12.74	49.55	54.00	-4.45	AVG	
2	6933.3380	40.55	12.74	53.29	68.30	-15.01	Peak	

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

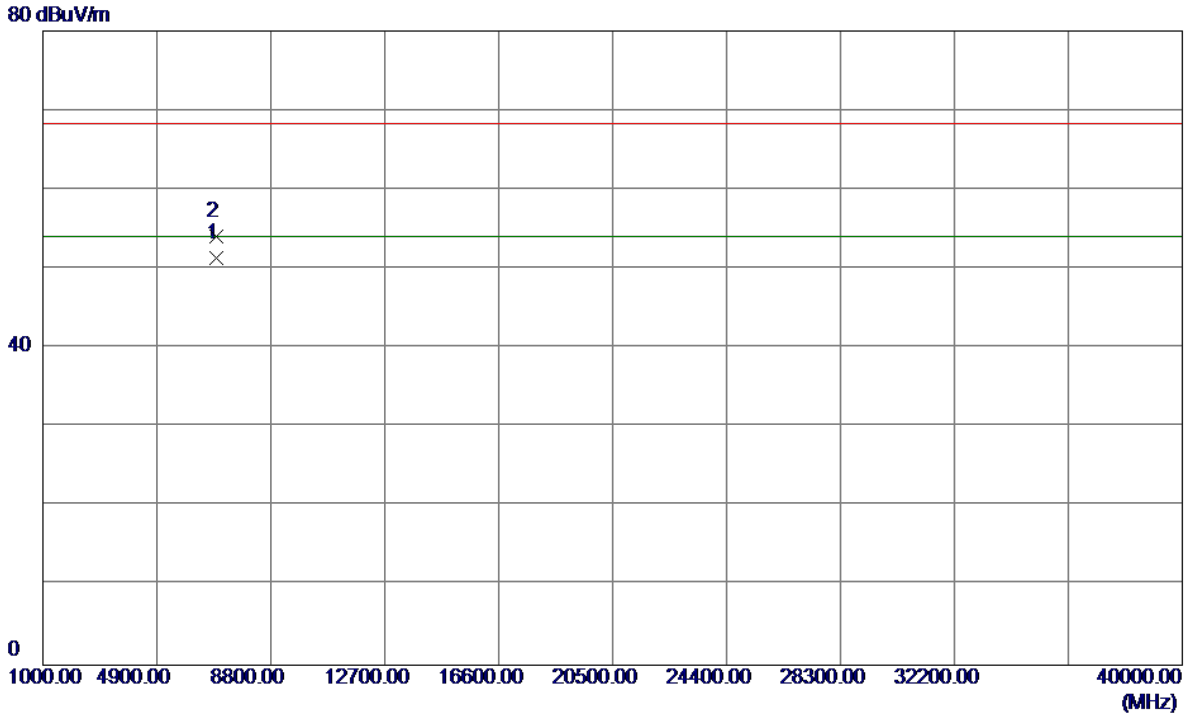
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5194.2000	56.92	41.33	98.25	54.00	44.25	AVG	No Limit
2	5194.9000	65.88	41.33	107.21	68.30	38.91	Peak	No Limit

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

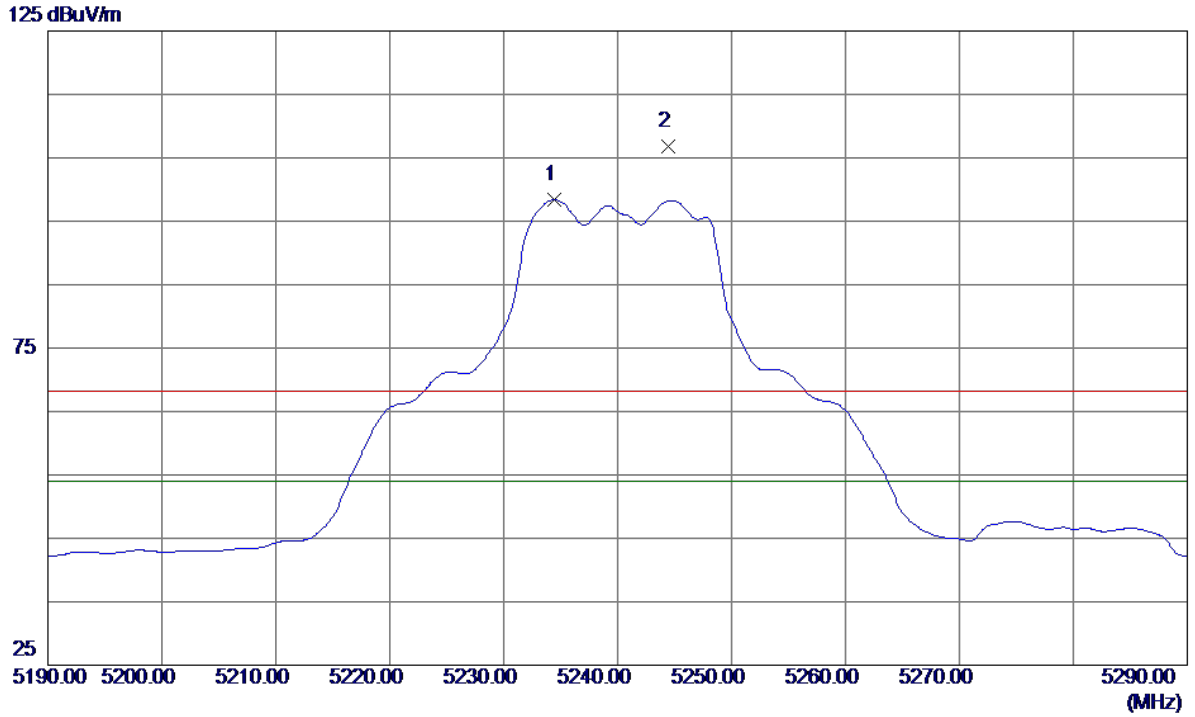
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6933.3760	38.55	12.74	51.29	54.00	-2.71	AVG	
2	6933.3860	41.36	12.74	54.10	68.30	-14.20	Peak	

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

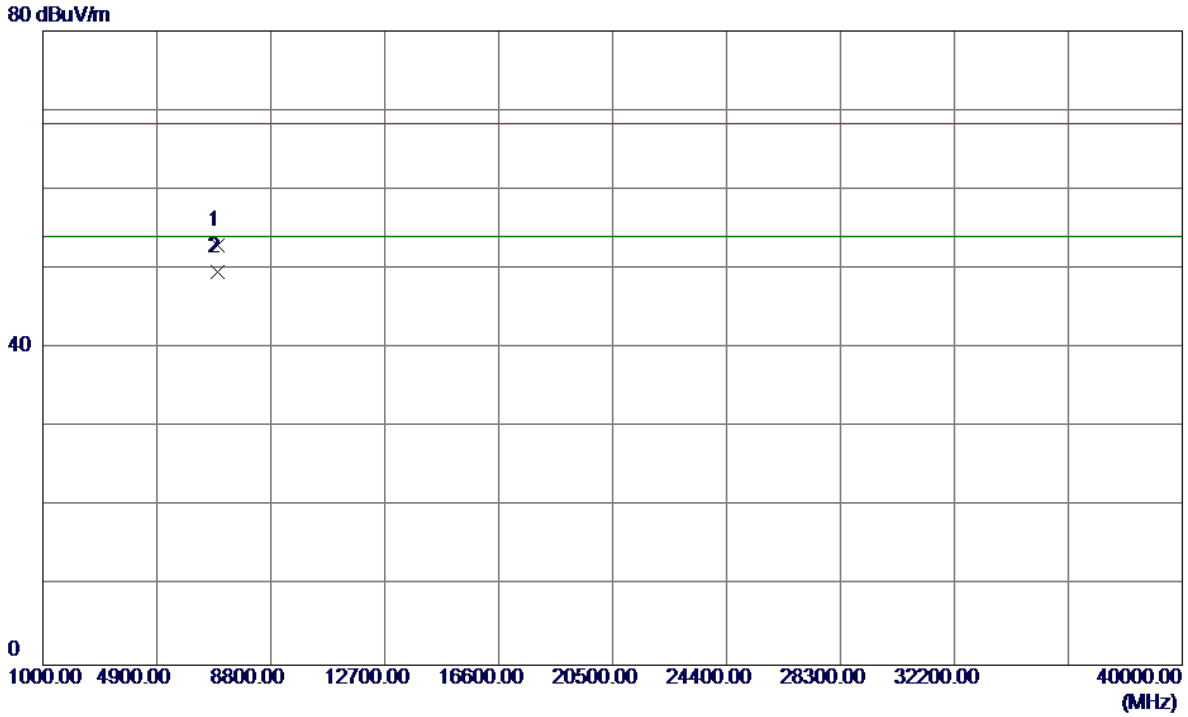
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5234.4000	56.83	41.53	98.36	54.00	44.36	AVG	No Limit
2	5244.4000	65.20	41.58	106.78	68.30	38.48	Peak	No Limit

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

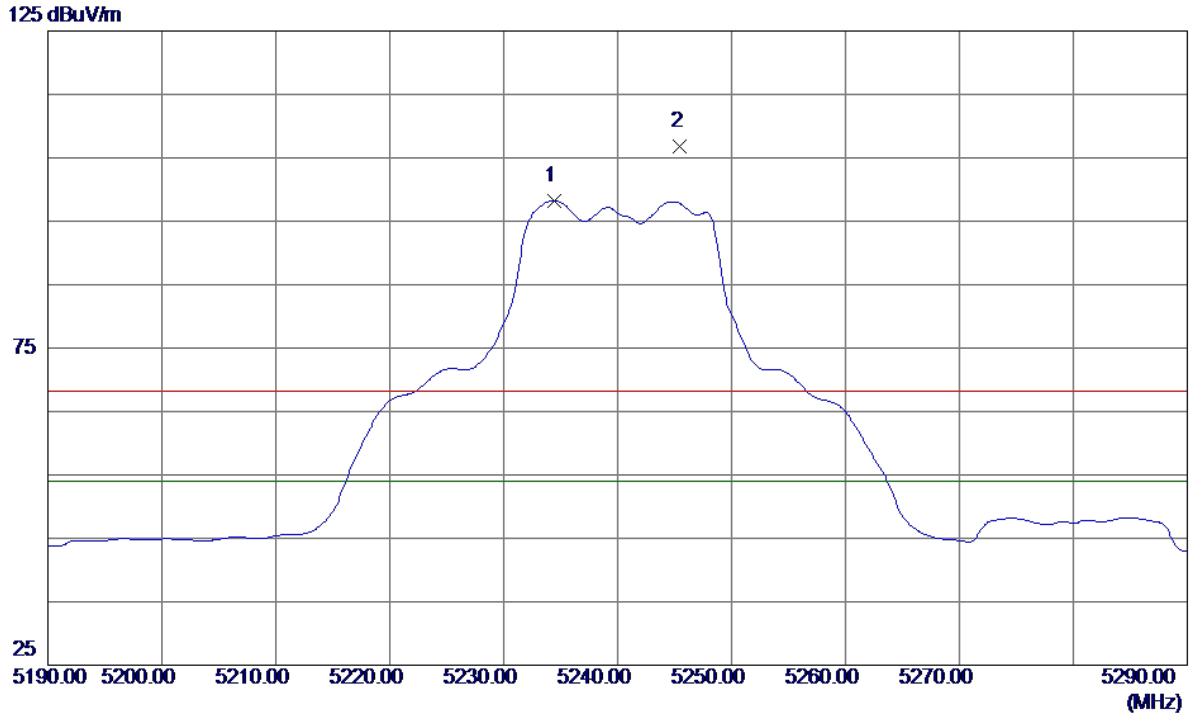
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6986.6200	40.07	12.84	52.91	68.30	-15.39	Peak	
2 *	6986.6480	36.81	12.84	49.65	54.00	-4.35	AVG	

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

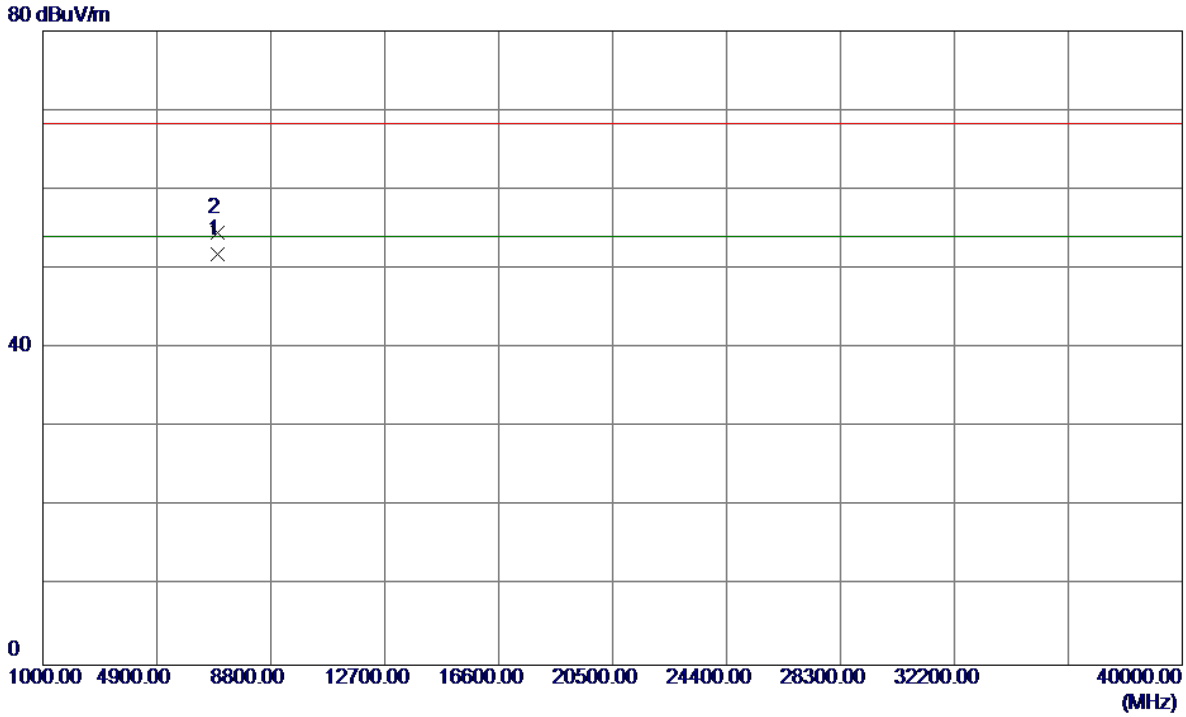
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5234.4000	56.72	41.53	98.25	54.00	44.25	AVG	No Limit
2	5245.5000	65.23	41.59	106.82	68.30	38.52	Peak	No Limit

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

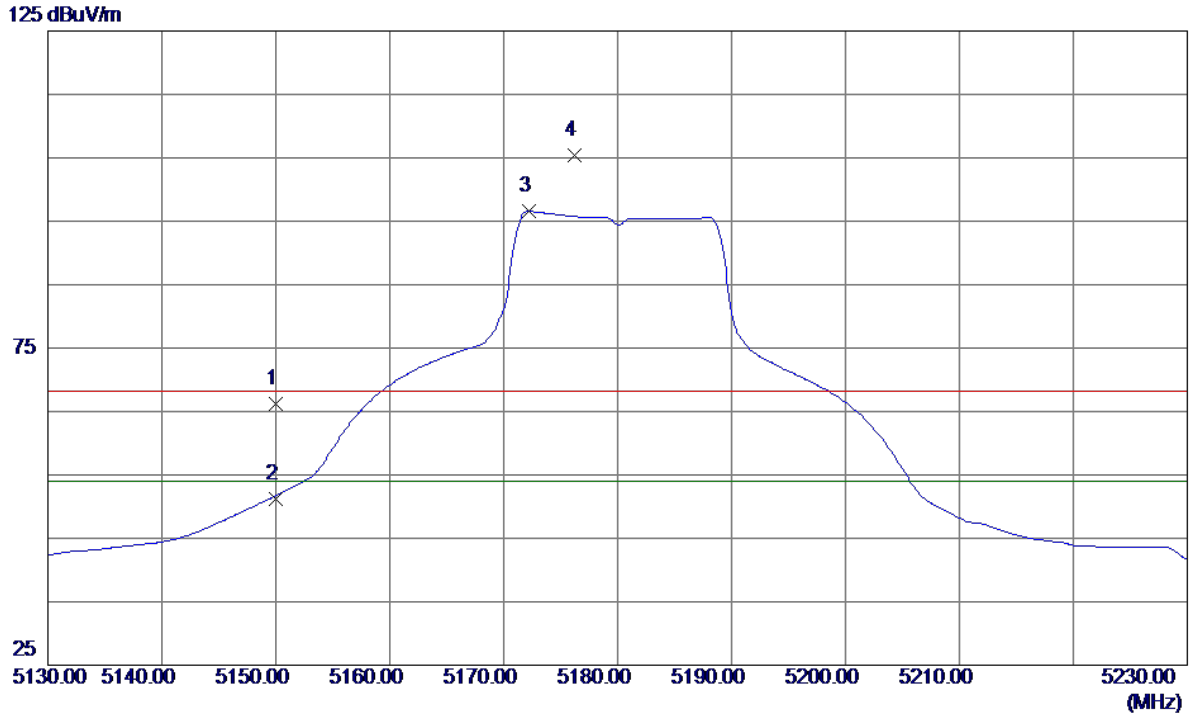
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6986.7040	39.03	12.84	51.87	54.00	-2.13	AVG	
2	6986.8300	41.77	12.84	54.61	68.30	-13.69	Peak	

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

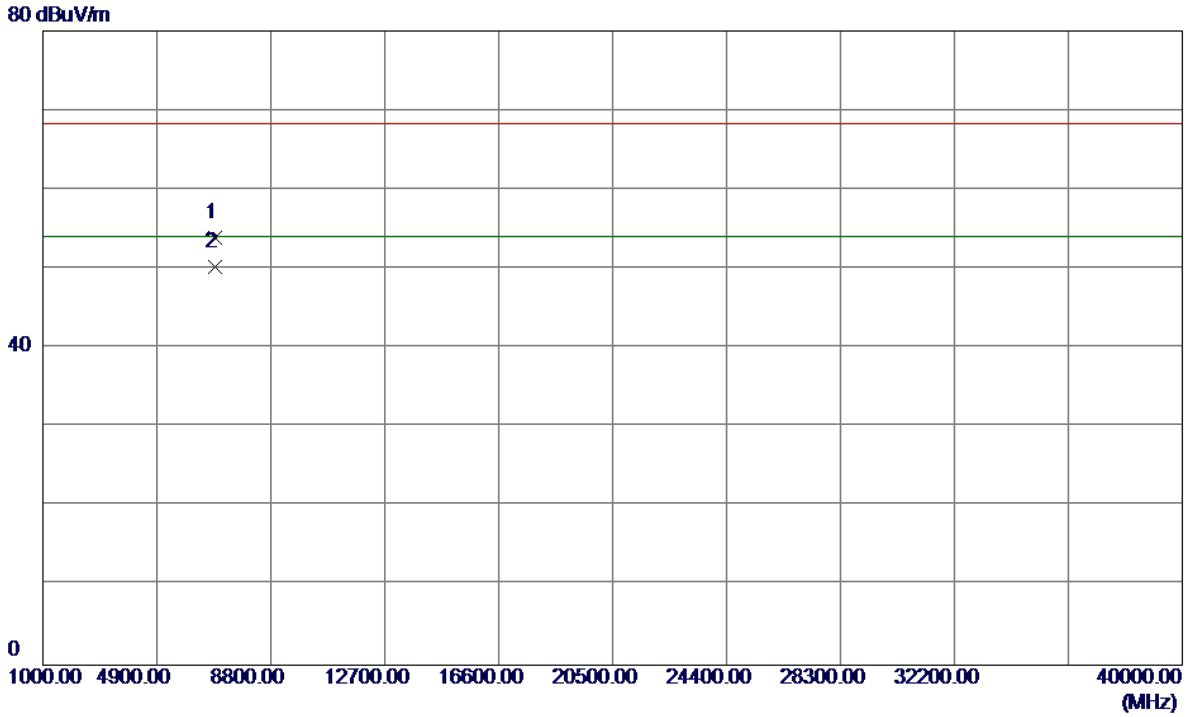
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	25.05	41.10	66.15	68.30	-2.15	Peak	
2	5150.0000	10.16	41.10	51.26	54.00	-2.74	AVG	
3 *	5172.2000	55.35	41.21	96.56	54.00	42.56	AVG	No Limit
4	5176.2000	64.11	41.23	105.34	68.30	37.04	Peak	No Limit

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

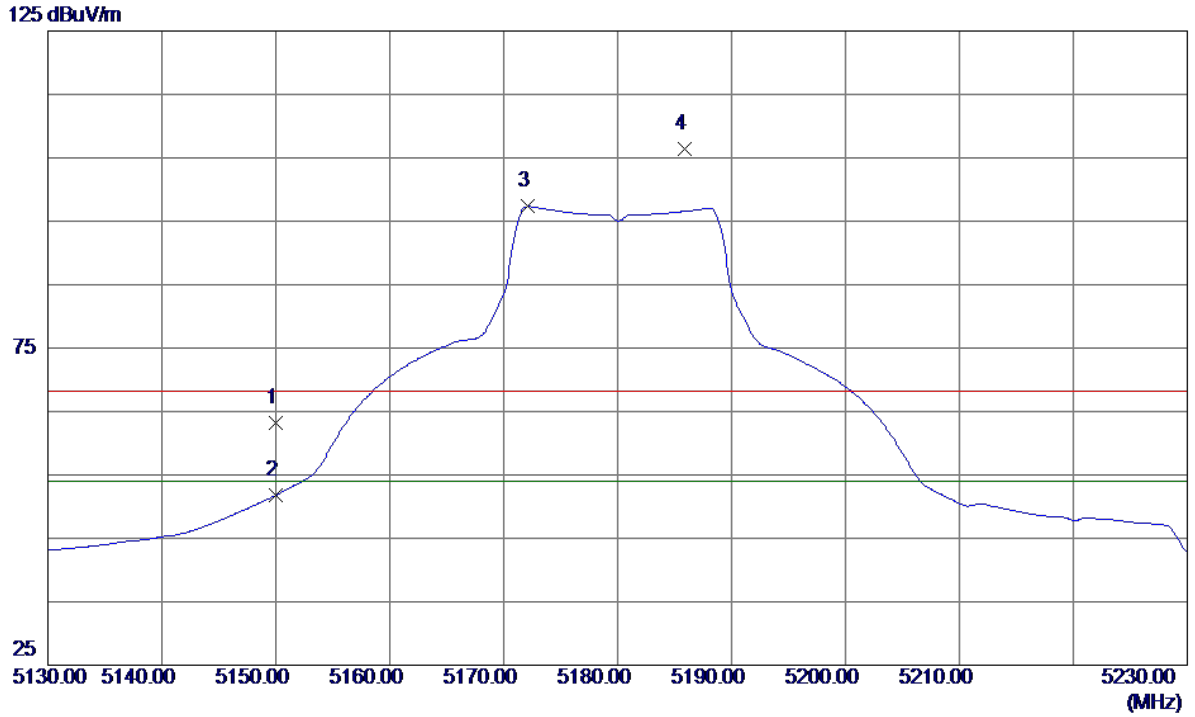
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6906.4640	41.15	12.69	53.84	68.30	-14.46	Peak	
2 *	6906.6560	37.59	12.69	50.28	54.00	-3.72	AVG	

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

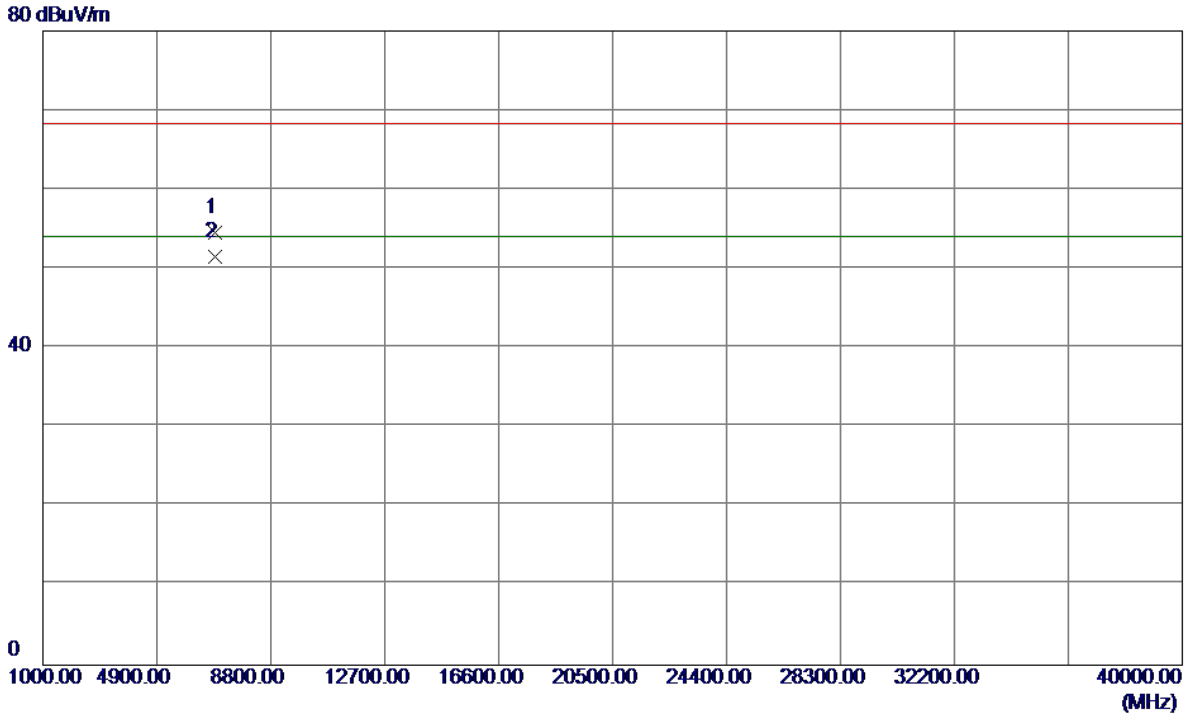
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.09	41.10	63.19	68.30	-5.11	Peak	
2	5150.0000	10.71	41.10	51.81	54.00	-2.19	AVG	
3 *	5172.1000	56.10	41.21	97.31	54.00	43.31	AVG	No Limit
4	5185.9000	65.09	41.28	106.37	68.30	38.07	Peak	No Limit

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

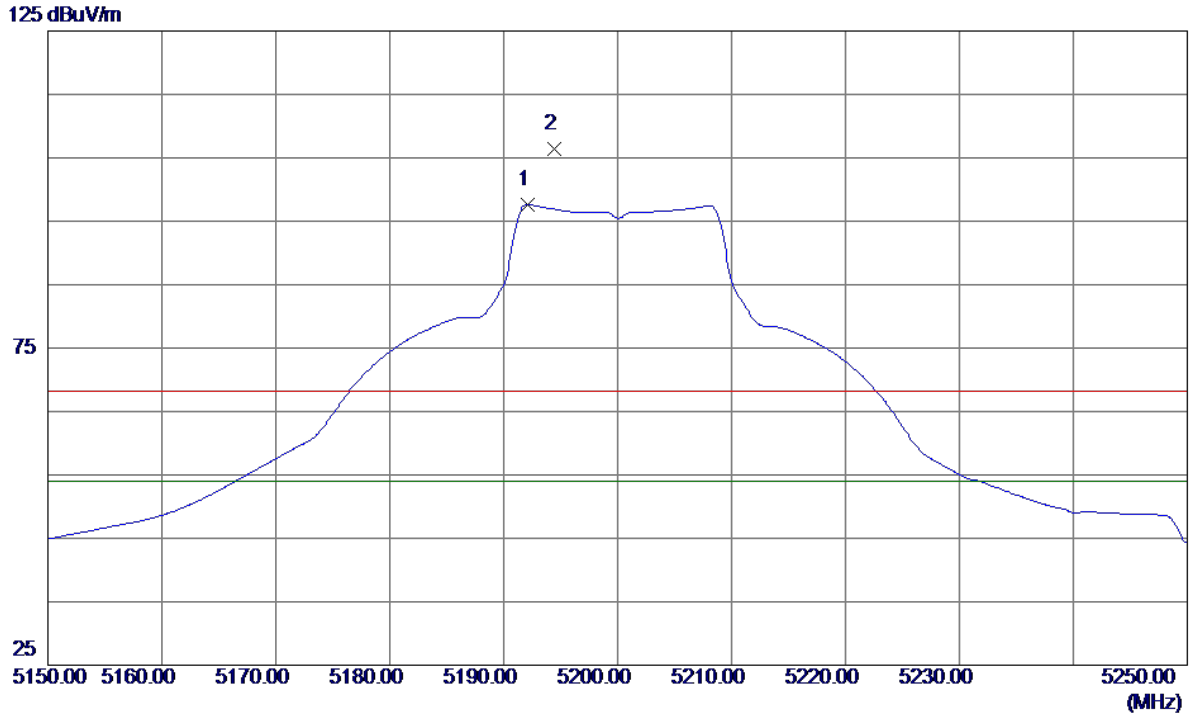
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6906.6020	41.85	12.69	54.54	68.30	-13.76	Peak	
2 *	6906.7280	38.79	12.69	51.48	54.00	-2.52	AVG	

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

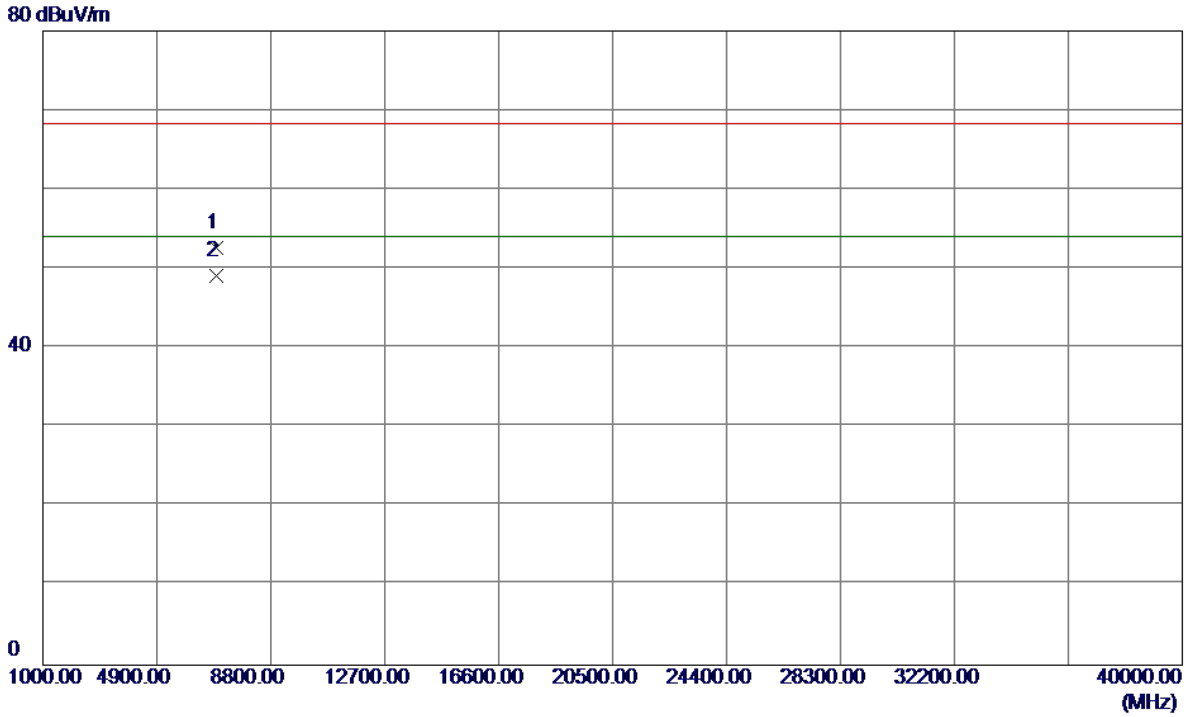
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5192.1000	56.31	41.32	97.63	54.00	43.63	AVG	No Limit
2	5194.4000	65.12	41.33	106.45	68.30	38.15	Peak	No Limit

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

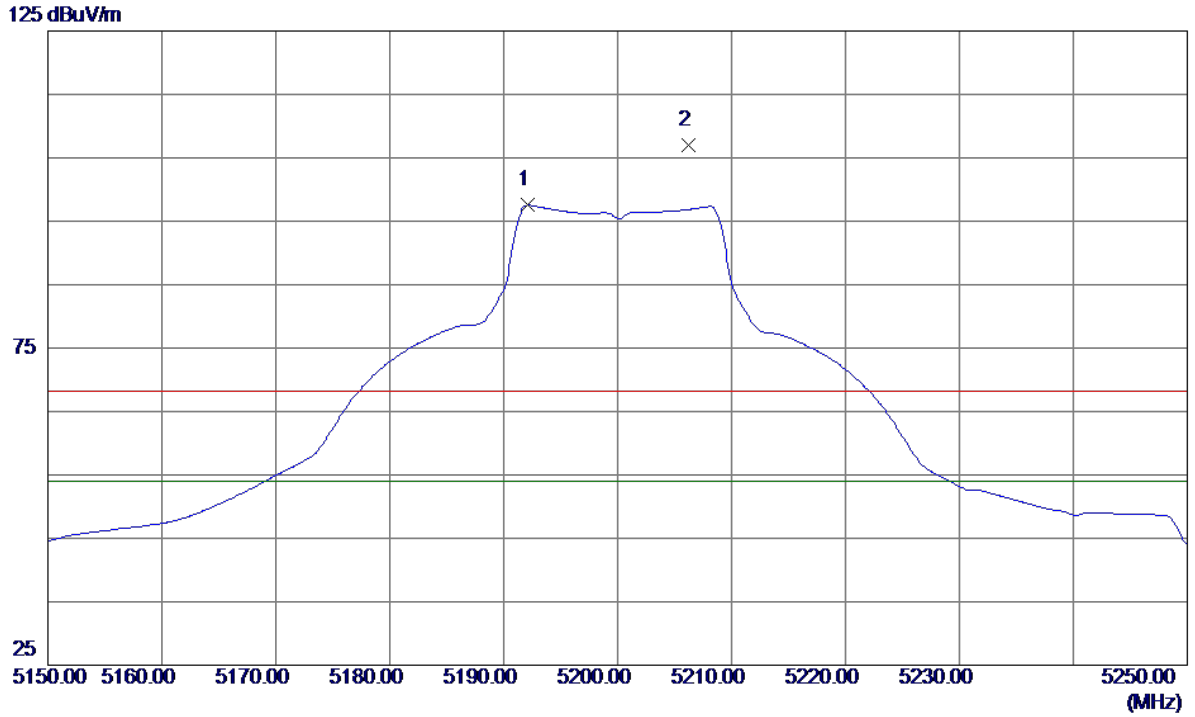
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6933.2580	39.85	12.74	52.59	68.30	-15.71	Peak	
2 *	6933.3380	36.35	12.74	49.09	54.00	-4.91	AVG	

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

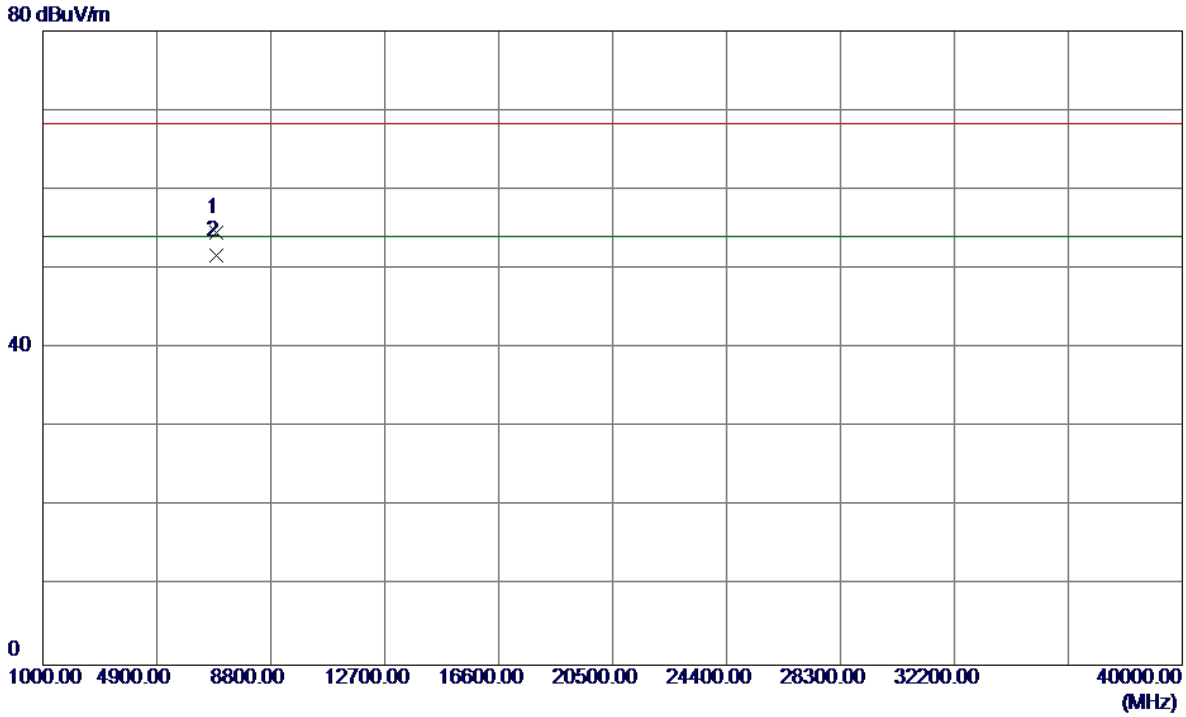
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5192.1000	56.20	41.32	97.52	54.00	43.52	AVG	No Limit
2	5206.2000	65.54	41.39	106.93	68.30	38.63	Peak	No Limit

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

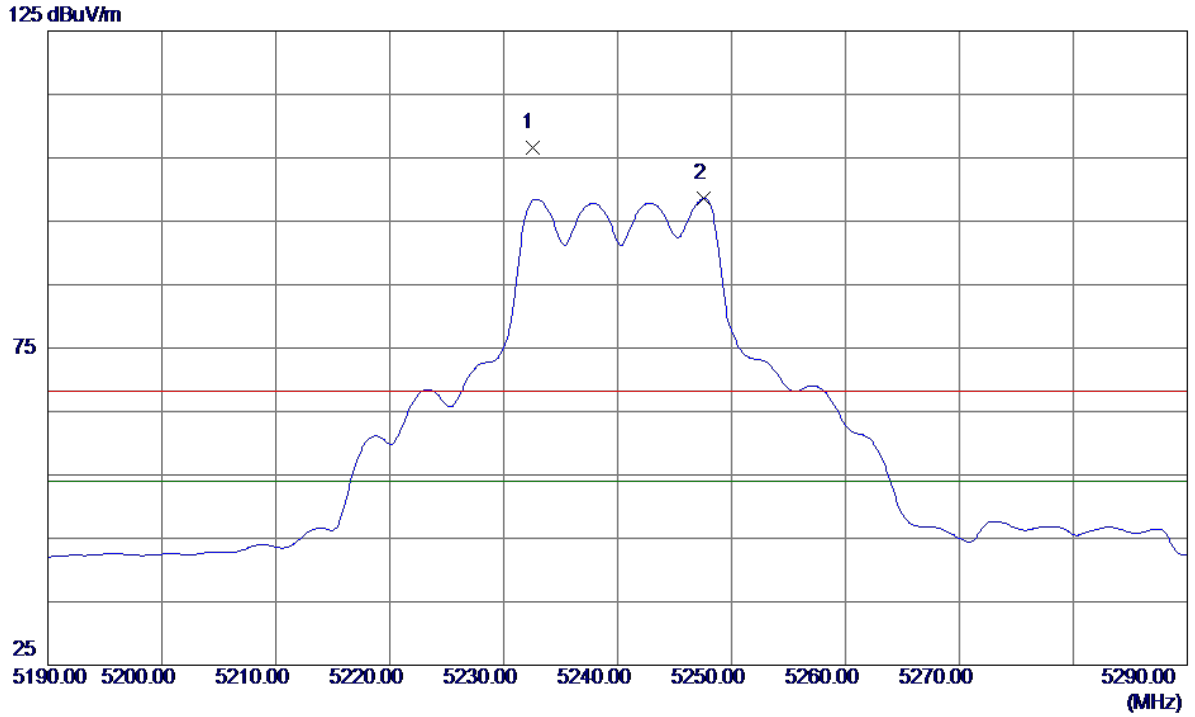
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6933.3560	41.89	12.74	54.63	68.30	-13.67	Peak	
2 *	6933.3960	38.87	12.74	51.61	54.00	-2.39	AVG	

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

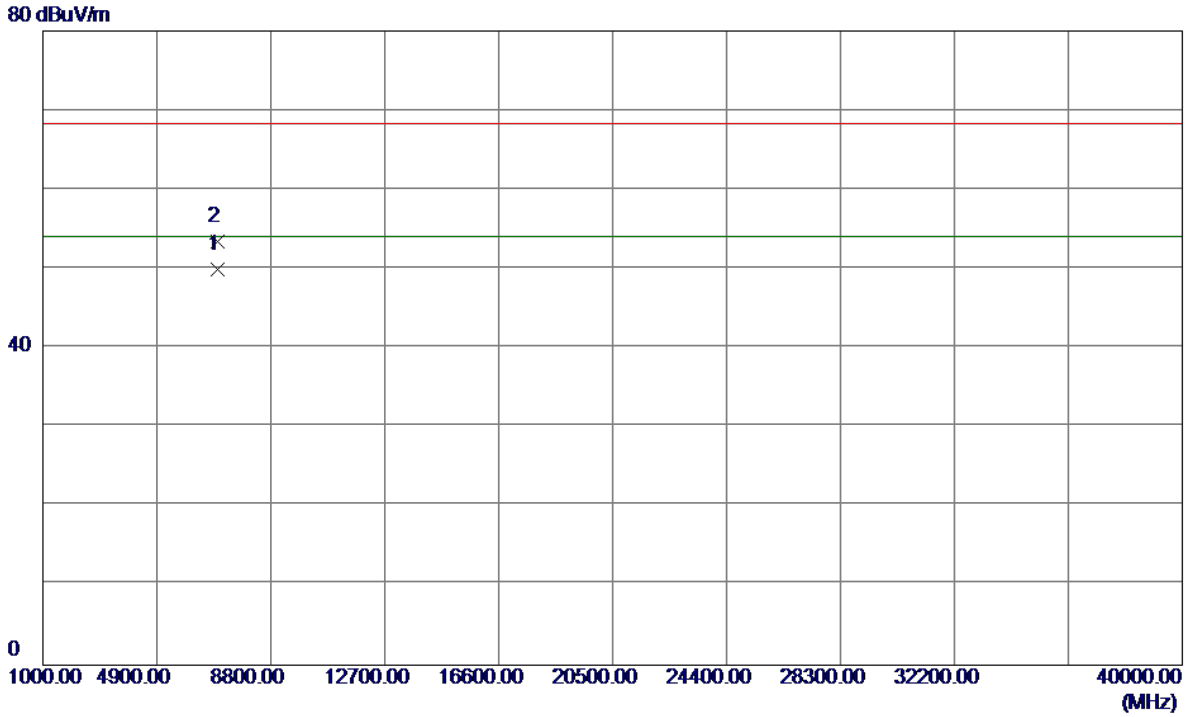
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5232.5000	65.11	41.52	106.63	68.30	38.33	Peak	No Limit
2 *	5247.6000	57.03	41.60	98.63	54.00	44.63	AVG	No Limit

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

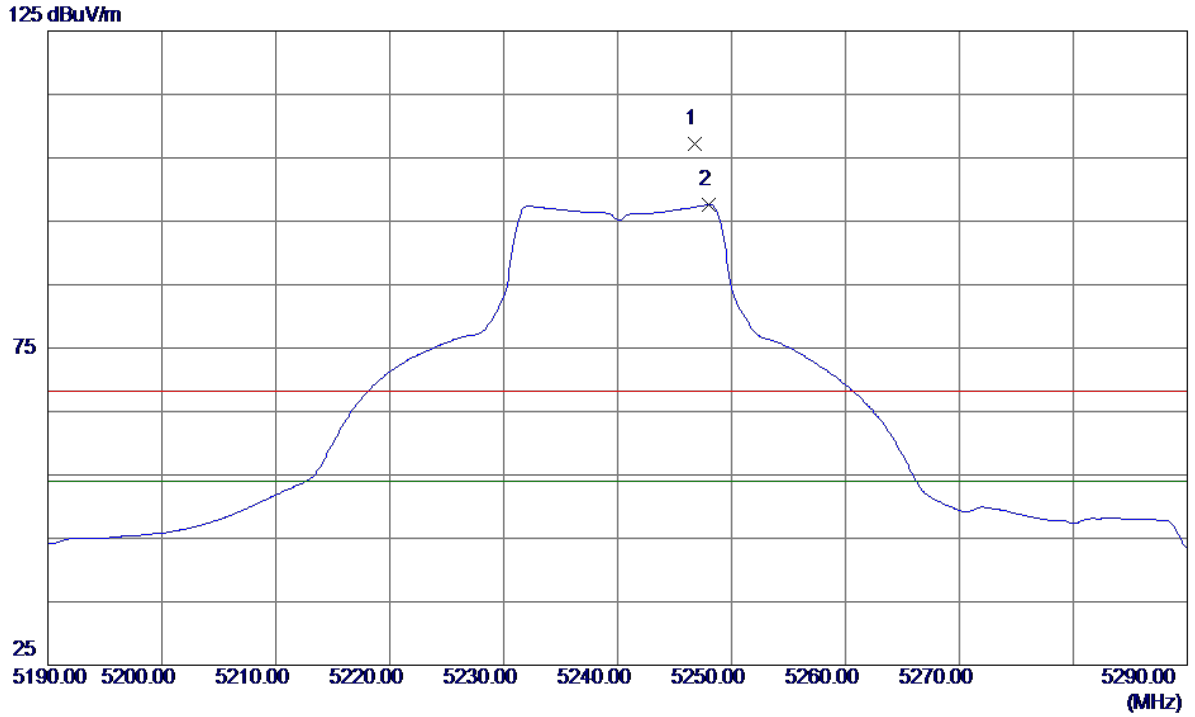
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6986.6460	37.08	12.84	49.92	54.00	-4.08	AVG	
2	6986.6480	40.53	12.84	53.37	68.30	-14.93	Peak	

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

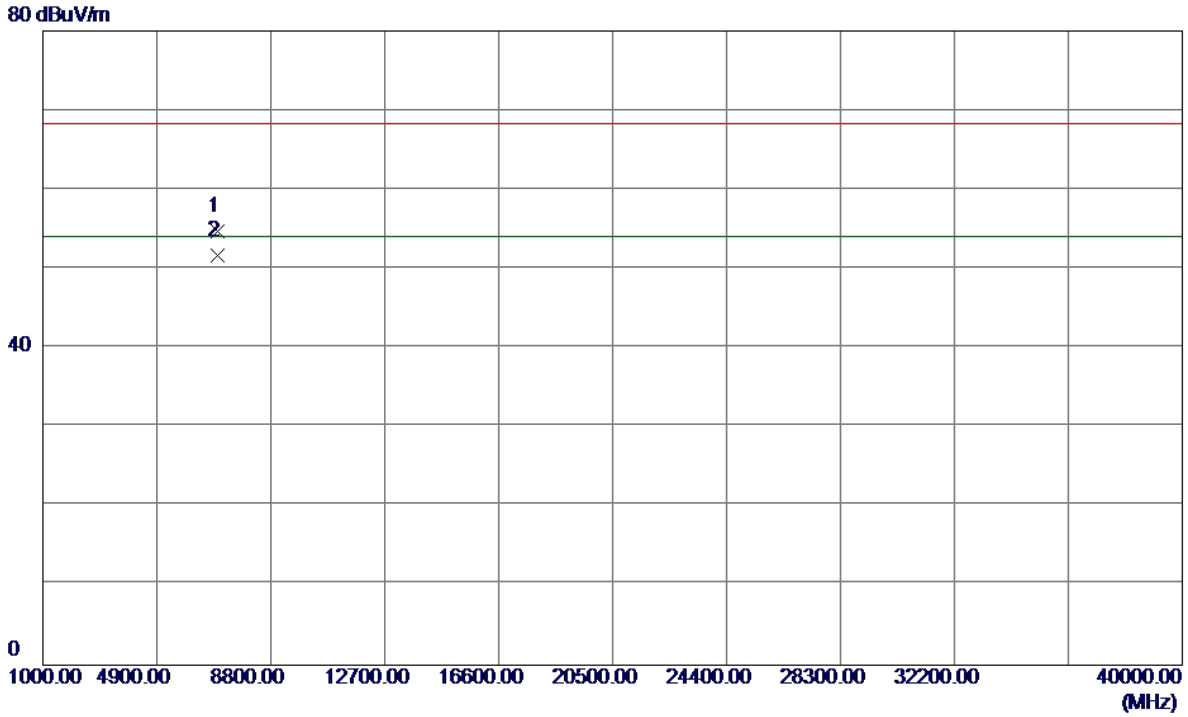
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5246.8000	65.62	41.59	107.21	68.30	38.91	Peak	No Limit
2 *	5248.0000	55.98	41.60	97.58	54.00	43.58	AVG	No Limit

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

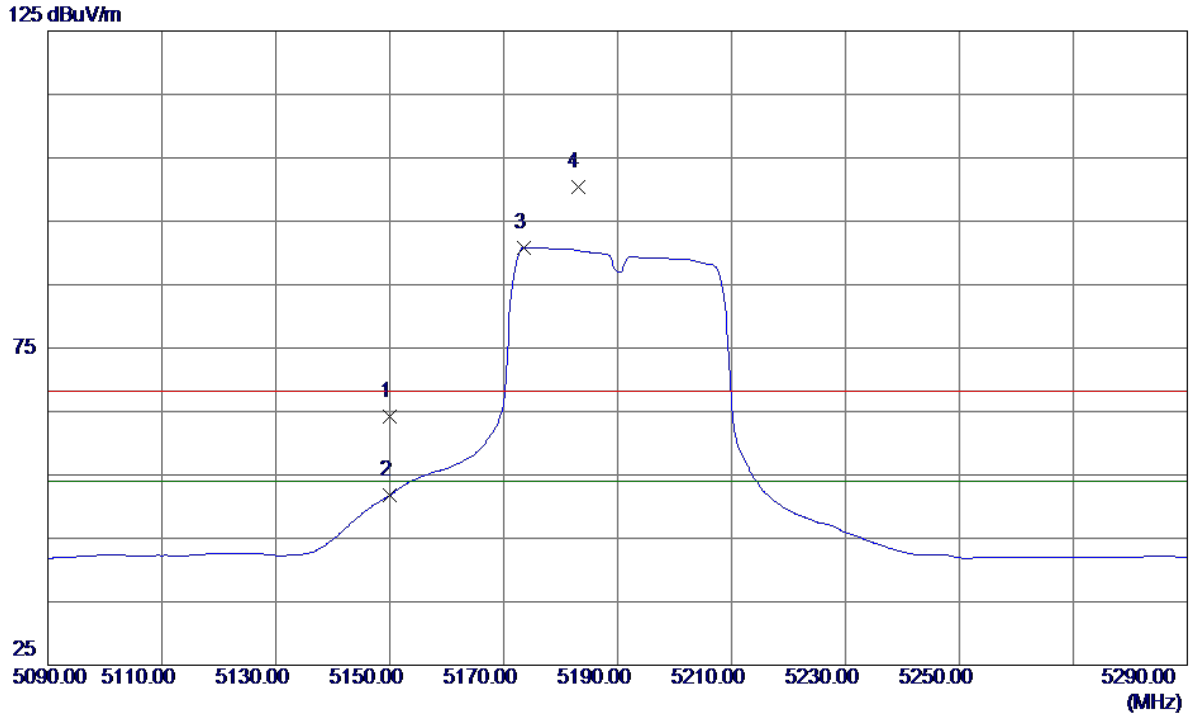
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6986.5840	41.96	12.84	54.80	68.30	-13.50	Peak	
2 *	6986.7040	38.82	12.84	51.66	54.00	-2.34	AVG	

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

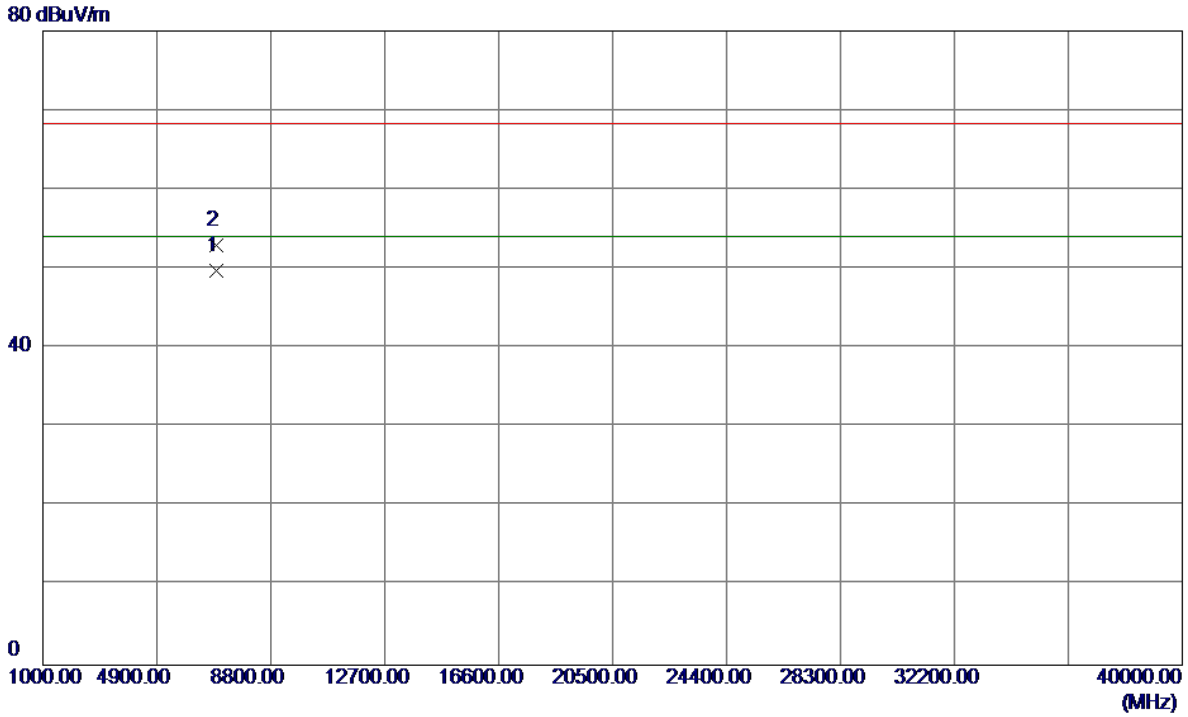
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.06	41.10	64.16	68.30	-4.14	Peak	
2	5150.0000	10.67	41.10	51.77	54.00	-2.23	AVG	
3 *	5173.6000	49.54	41.22	90.76	54.00	36.76	AVG	No Limit
4	5183.0000	59.09	41.27	100.36	68.30	32.06	Peak	No Limit

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

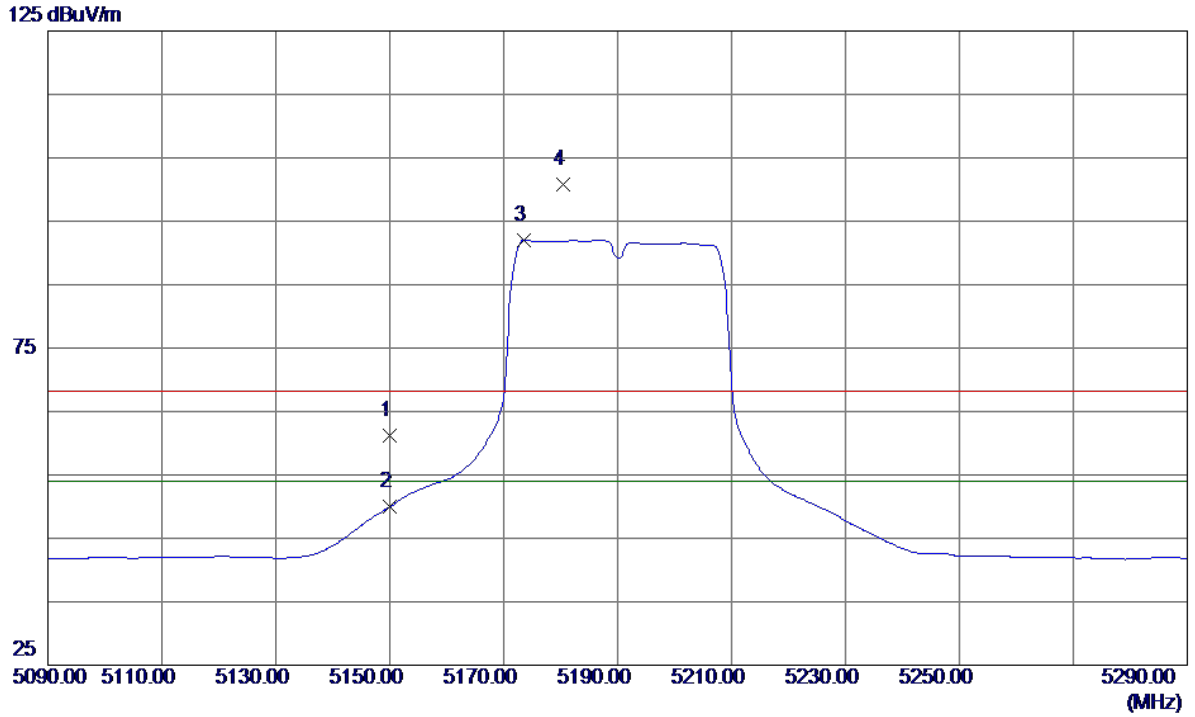
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6920.0020	37.08	12.71	49.79	54.00	-4.21	AVG	
2	6920.0240	40.27	12.71	52.98	68.30	-15.32	Peak	

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

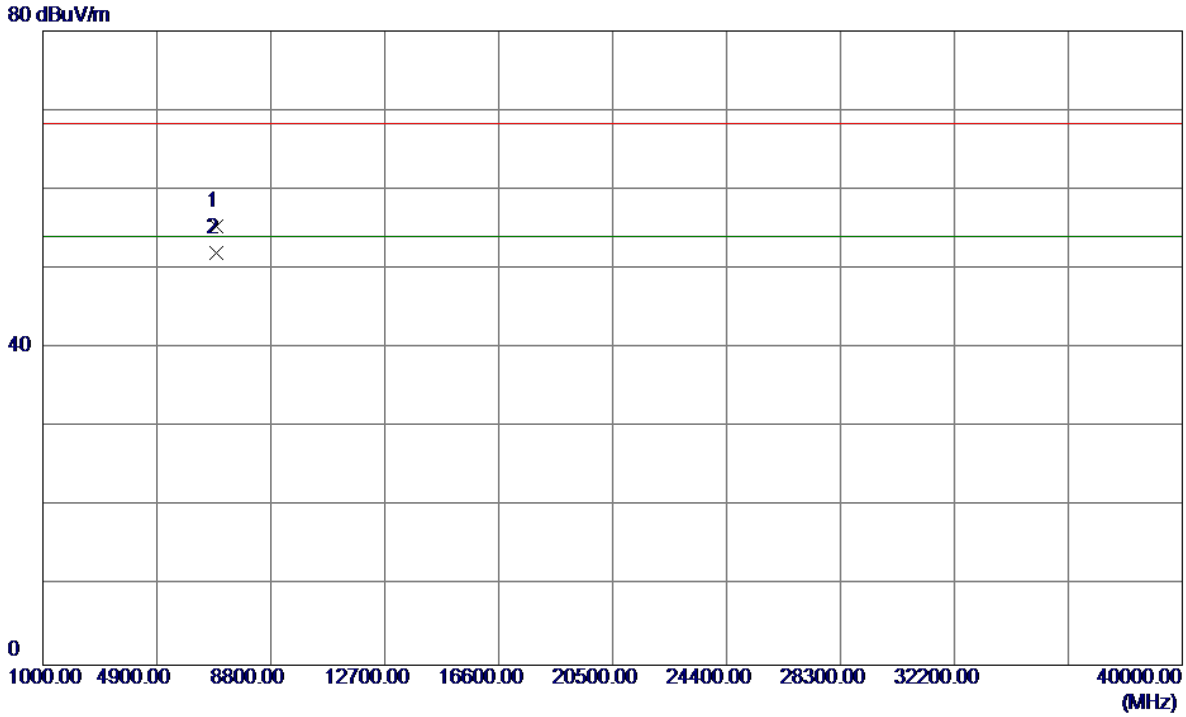
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.13	41.10	61.23	68.30	-7.07	Peak	
2	5150.0000	8.85	41.10	49.95	54.00	-4.05	AVG	
3 *	5173.6000	50.76	41.22	91.98	54.00	37.98	AVG	No Limit
4	5180.4000	59.58	41.26	100.84	68.30	32.54	Peak	No Limit

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

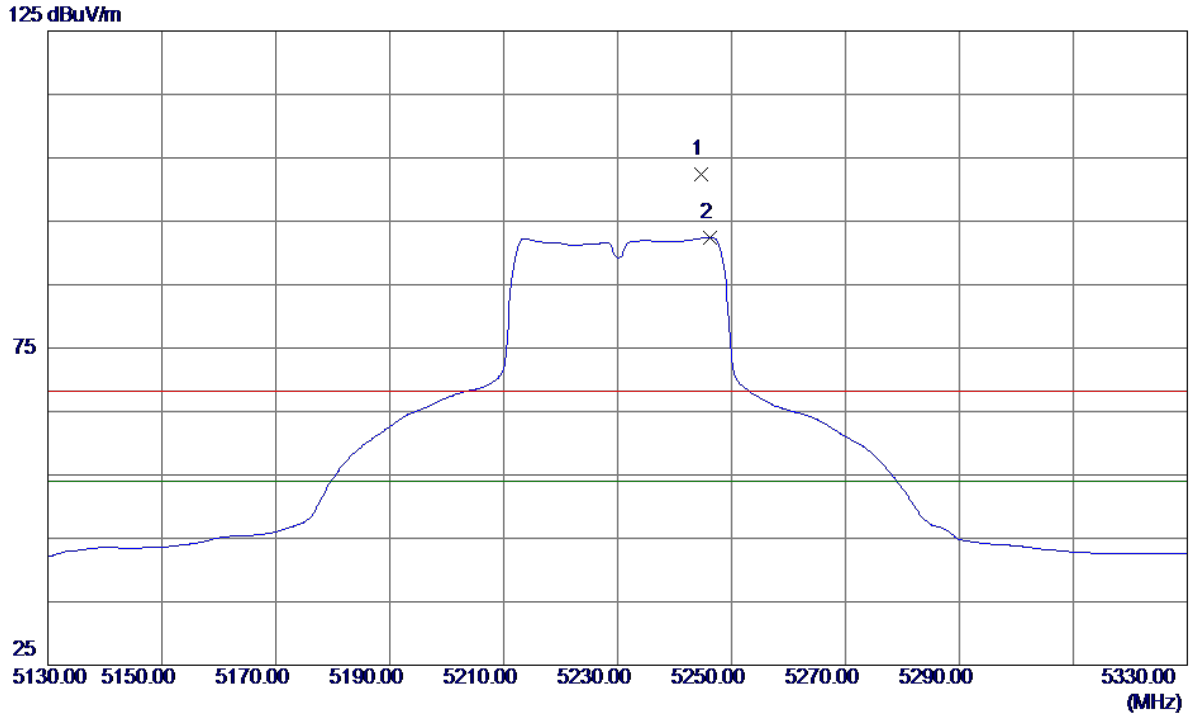
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6919.9260	42.64	12.71	55.35	68.30	-12.95	Peak	
2 *	6920.0340	39.29	12.71	52.00	54.00	-2.00	AVG	

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

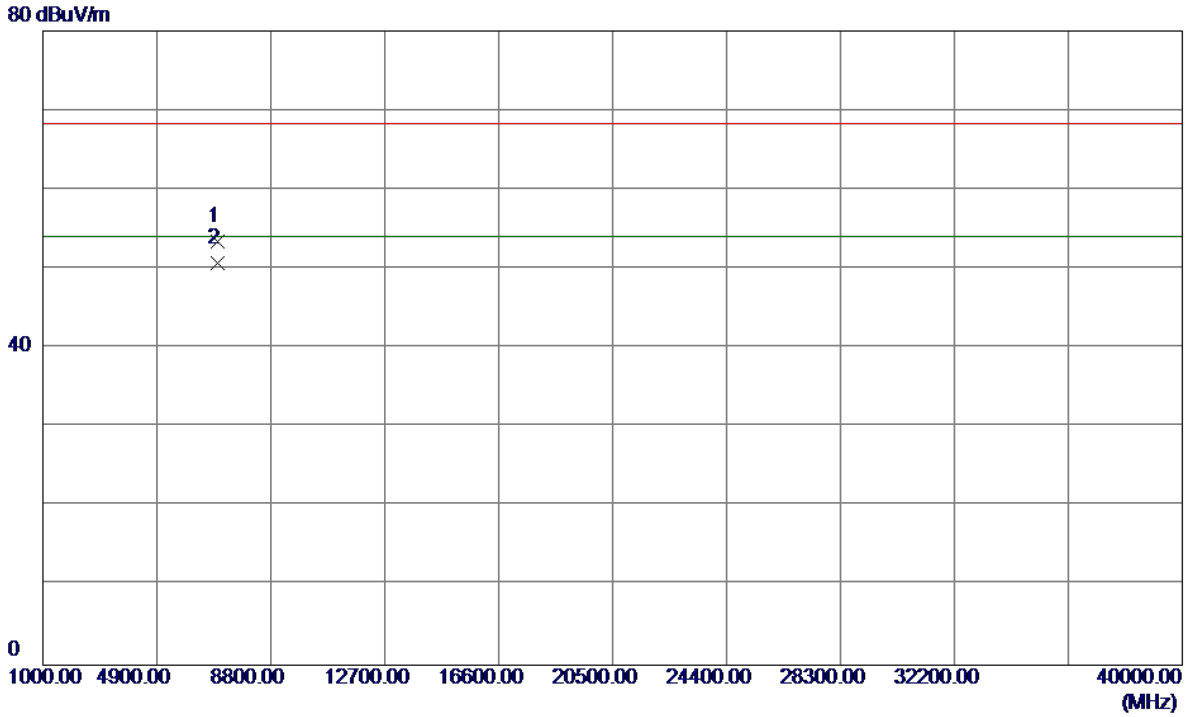
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5244.6000	60.84	41.58	102.42	68.30	34.12	Peak	No Limit
2 *	5246.2000	50.79	41.59	92.38	54.00	38.38	AVG	No Limit

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

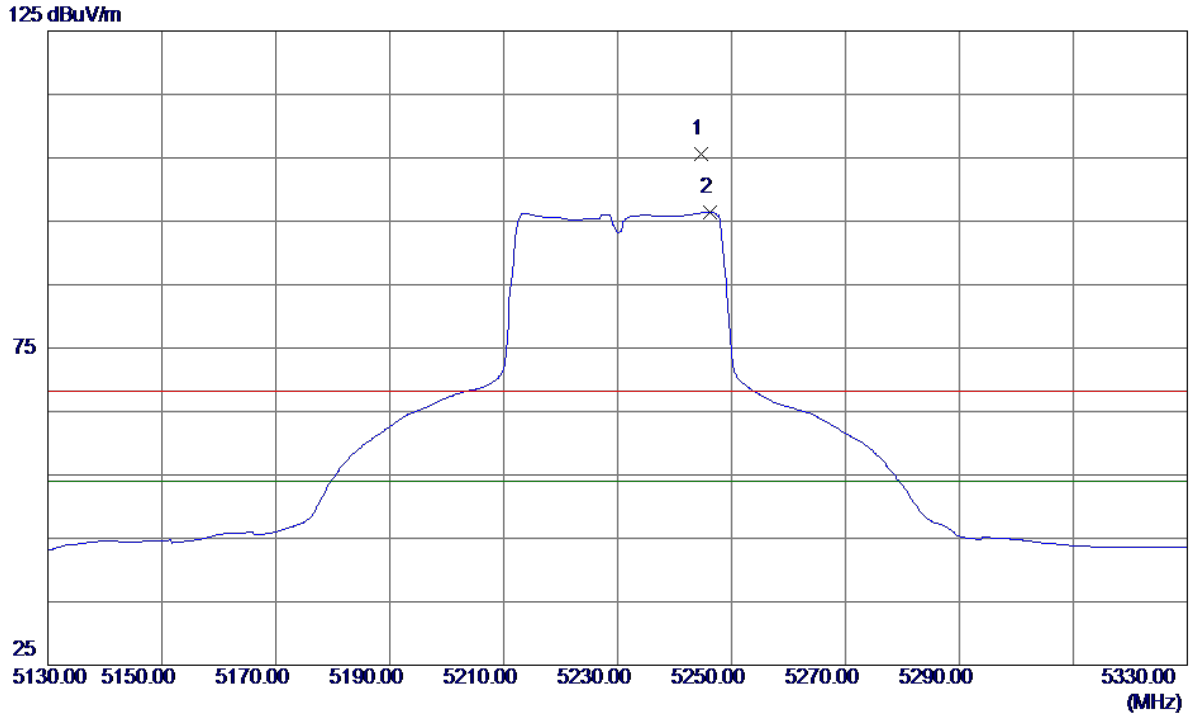
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6973.2980	40.56	12.81	53.37	68.30	-14.93	Peak	
2 *	6973.3320	37.92	12.81	50.73	54.00	-3.27	AVG	

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

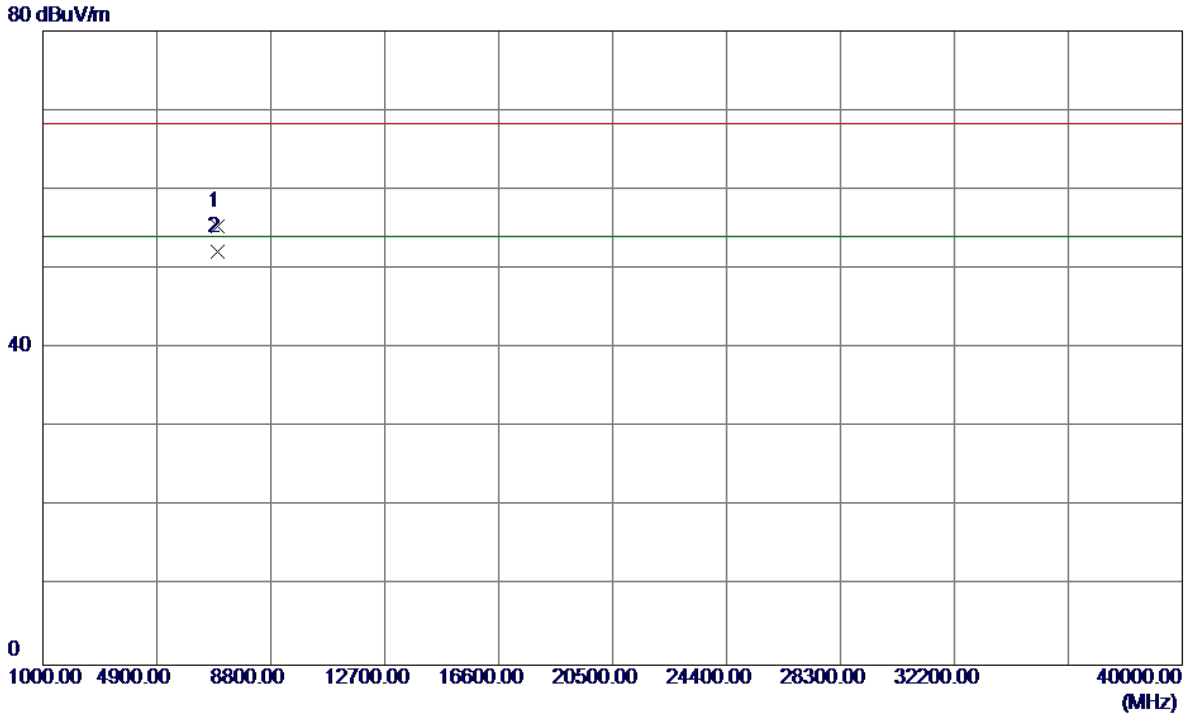
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5244.6000	64.06	41.58	105.64	68.30	37.34	Peak	No Limit
2 *	5246.2000	54.79	41.59	96.38	54.00	42.38	AVG	No Limit

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

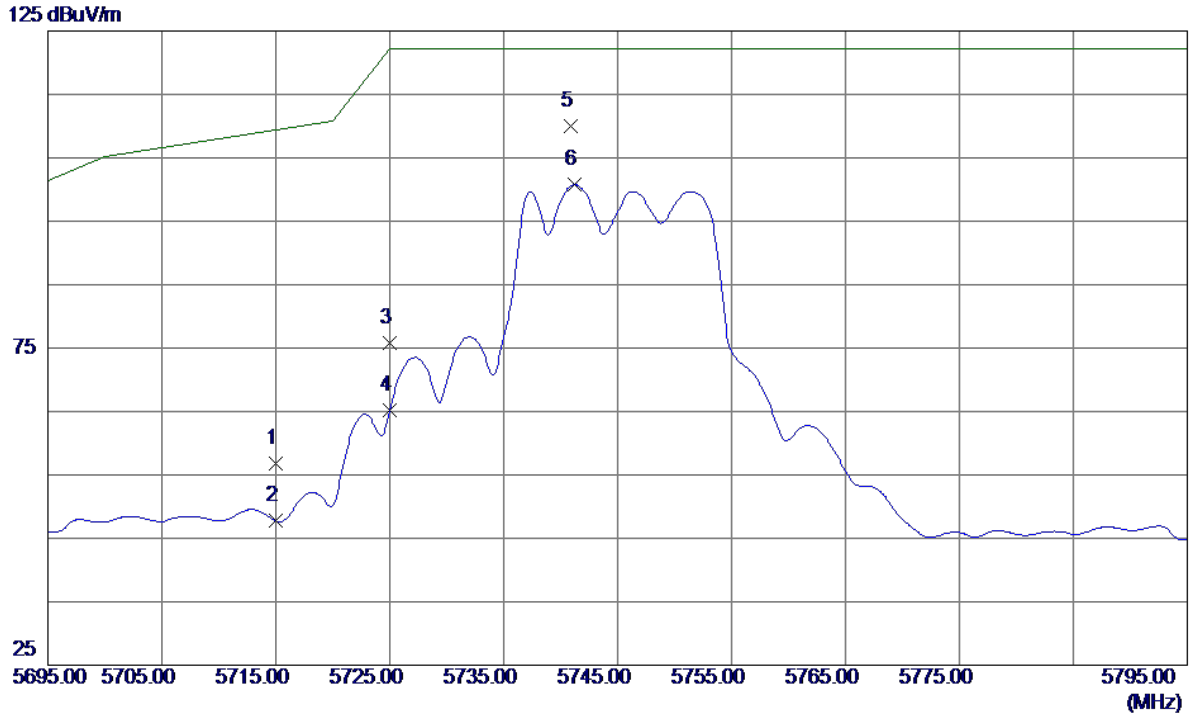
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6973.3360	42.59	12.81	55.40	68.30	-12.90	Peak	
2 *	6973.3800	39.39	12.81	52.20	54.00	-1.80	AVG	

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

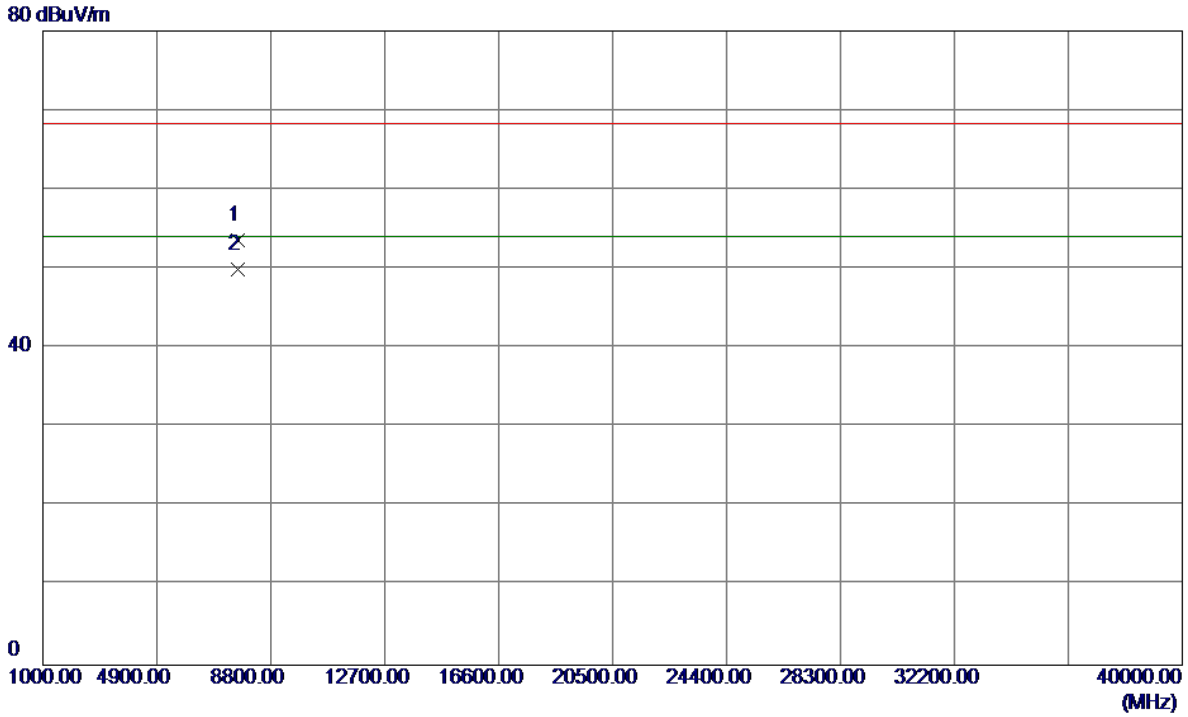
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	13.33	43.53	56.86	109.40	-52.54	Peak	
2	5715.0000	4.18	43.53	47.71	109.40	-61.69	AVG	
3	5725.0000	32.15	43.56	75.71	122.20	-46.49	Peak	
4	5725.0000	21.67	43.56	65.23	122.20	-56.97	AVG	
5 *	5740.9000	66.48	43.61	110.09	122.20	-12.11	Peak	
6	5741.2000	57.13	43.61	100.74	122.20	-21.46	AVG	

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

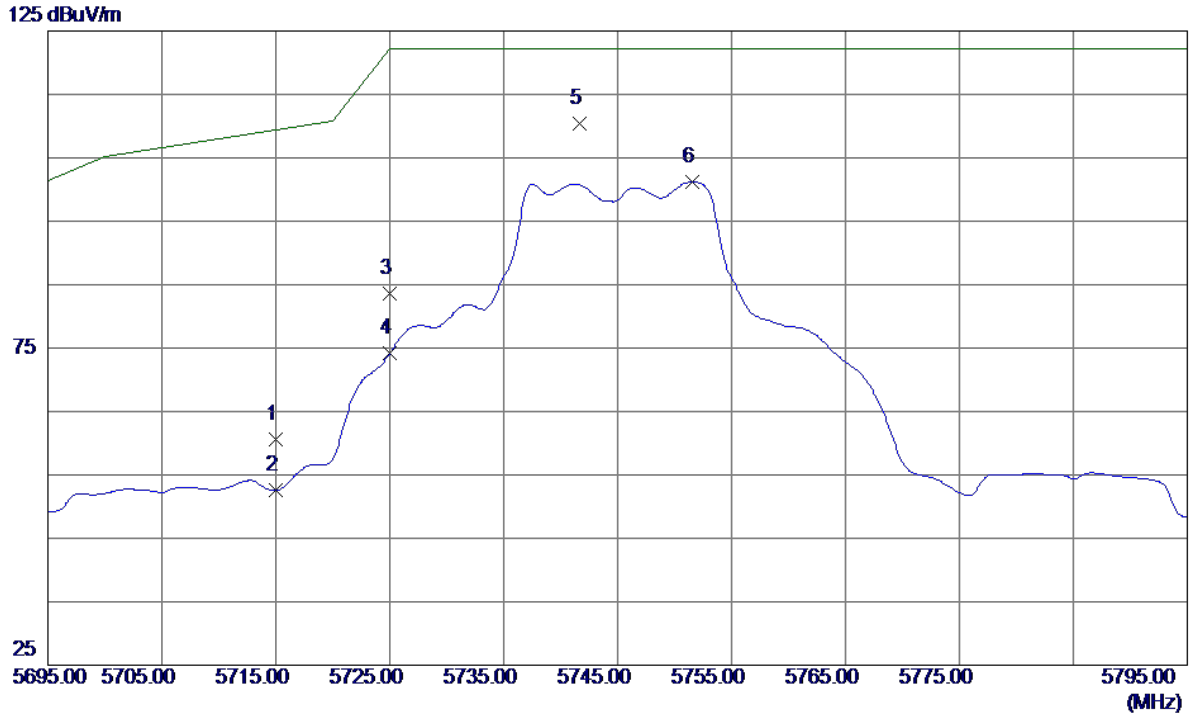
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7660.1350	39.74	13.82	53.56	68.30	-14.74	Peak	
2 *	7660.1700	36.07	13.82	49.89	54.00	-4.11	AVG	

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

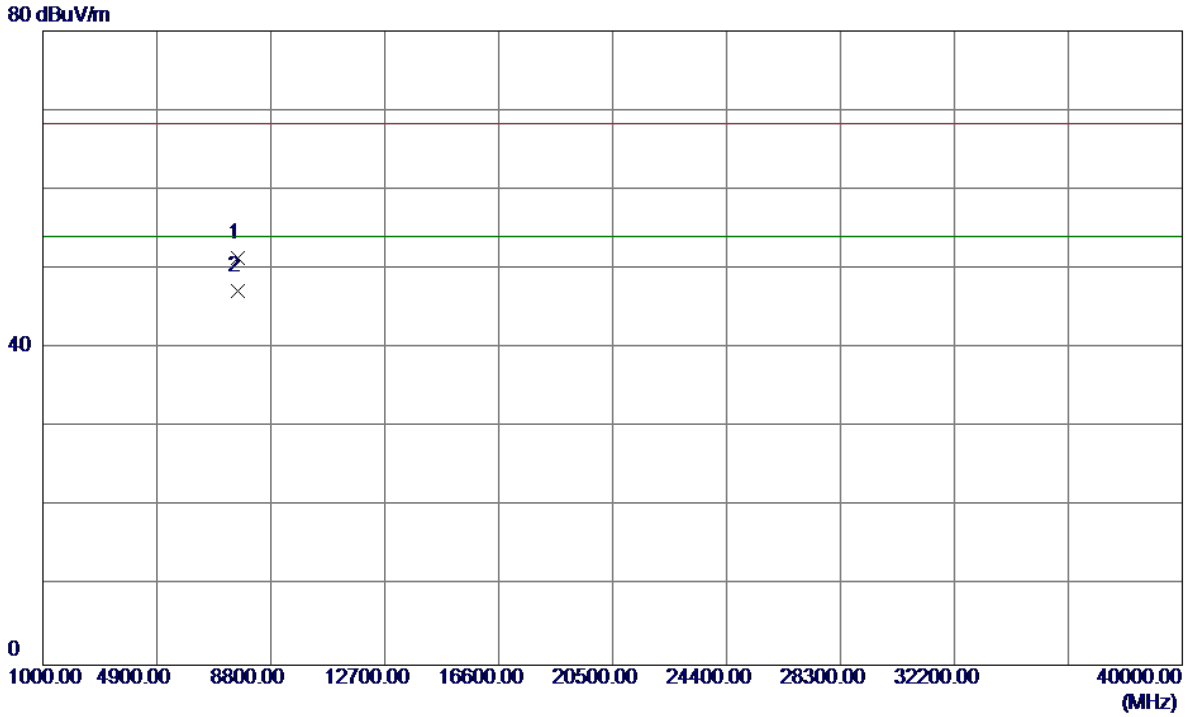
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	17.12	43.53	60.65	109.40	-48.75	Peak	
2	5715.0000	9.02	43.53	52.55	109.40	-56.85	AVG	
3	5725.0000	40.07	43.56	83.63	122.20	-38.57	Peak	
4	5725.0000	30.64	43.56	74.20	122.20	-48.00	AVG	
5 *	5741.7000	66.85	43.61	110.46	122.20	-11.74	Peak	
6	5751.6000	57.57	43.64	101.21	122.20	-20.99	AVG	

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

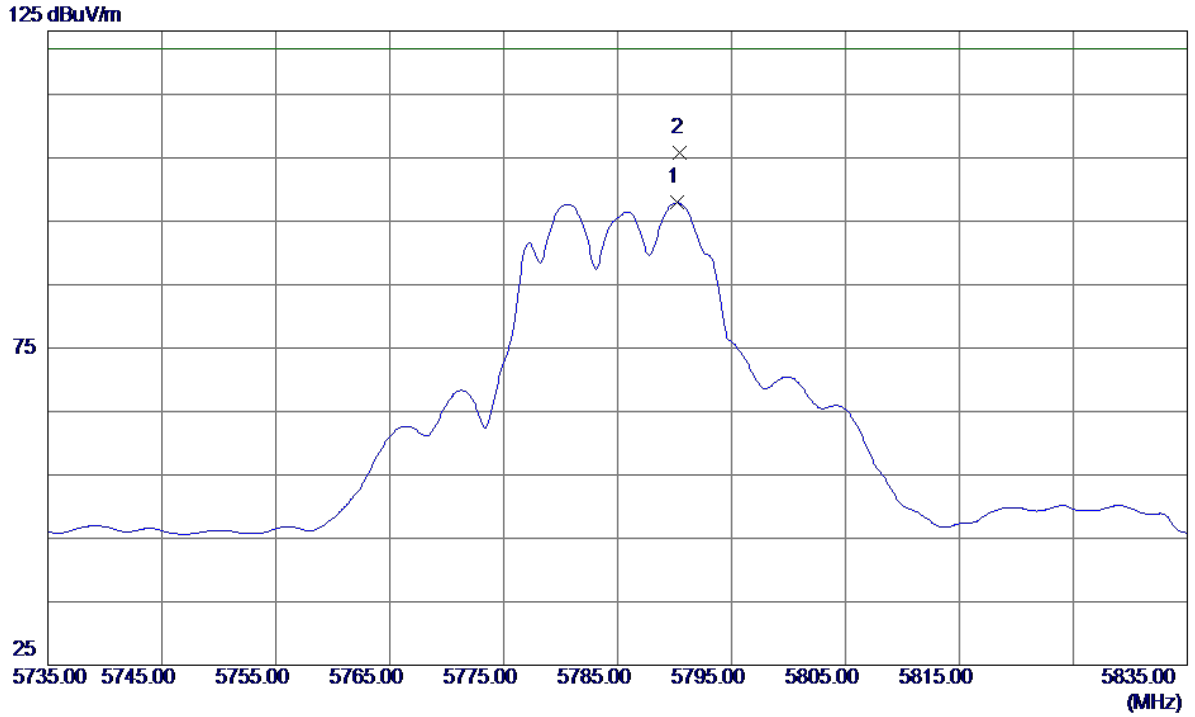
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7660.0750	37.47	13.82	51.29	68.30	-17.01	Peak	
2 *	7660.1500	33.38	13.82	47.20	54.00	-6.80	AVG	

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

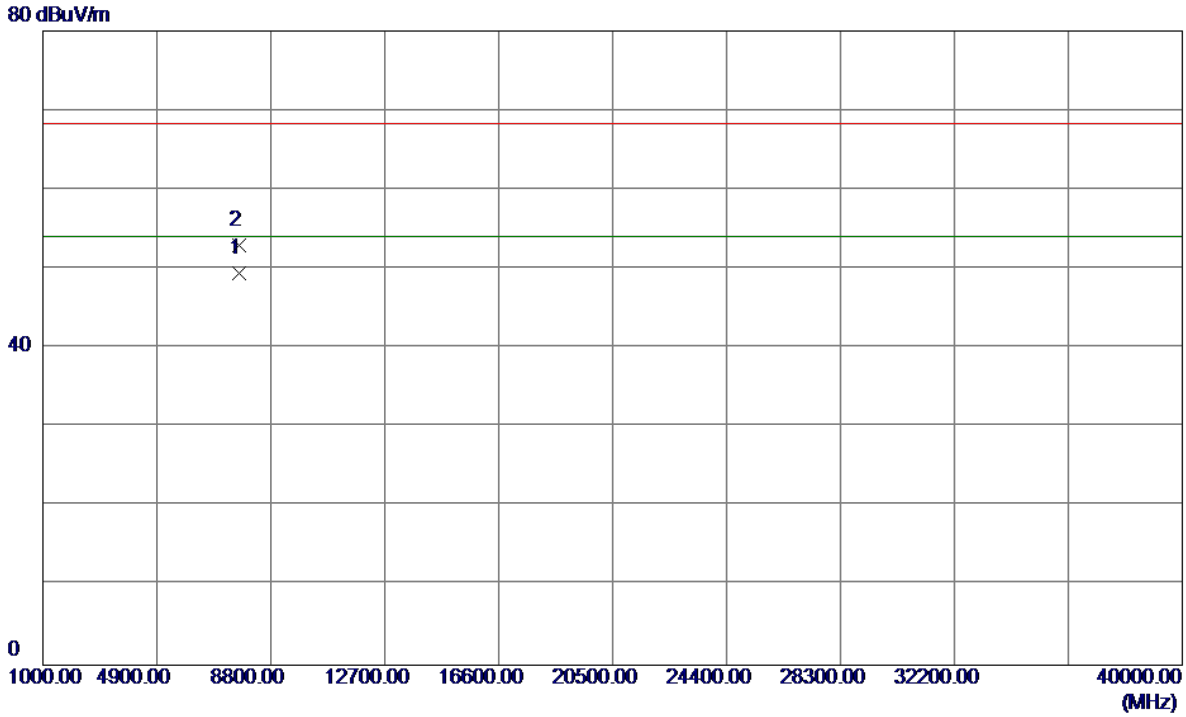
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5790.2000	54.15	43.76	97.91	122.20	-24.29	AVG	
2 *	5790.5000	62.03	43.76	105.79	122.20	-16.41	Peak	

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

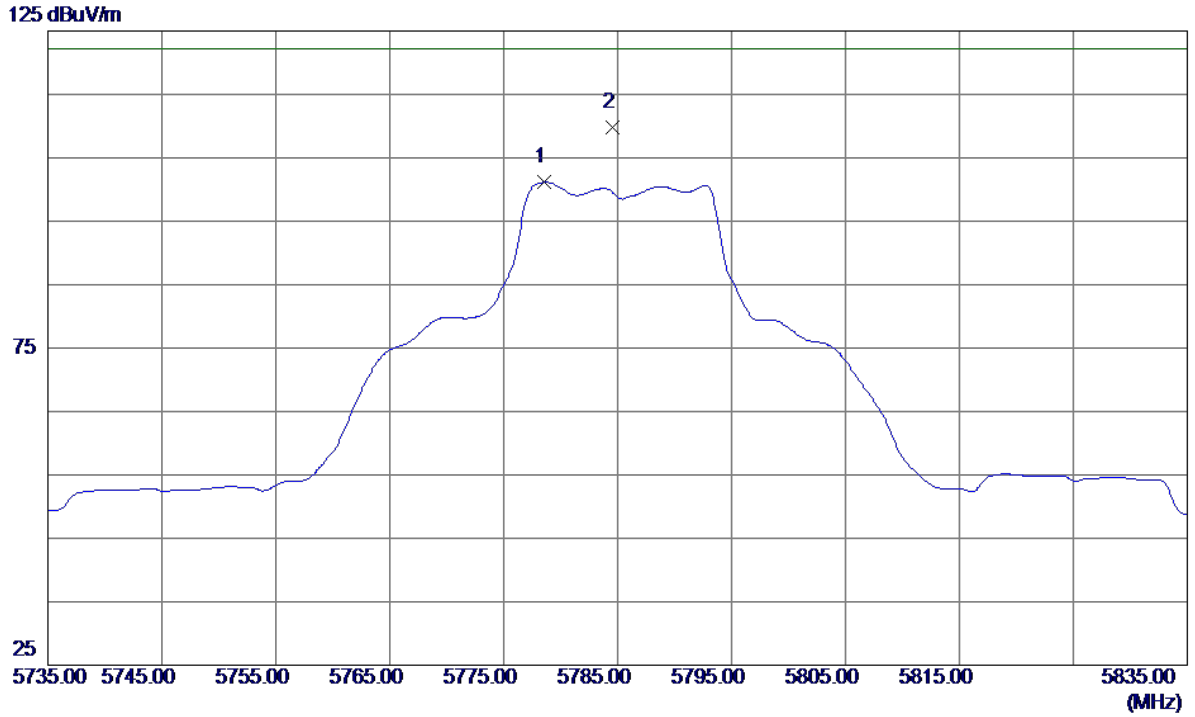
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7713.4950	35.62	13.87	49.49	54.00	-4.51	AVG	
2	7713.5400	39.15	13.87	53.02	68.30	-15.28	Peak	

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

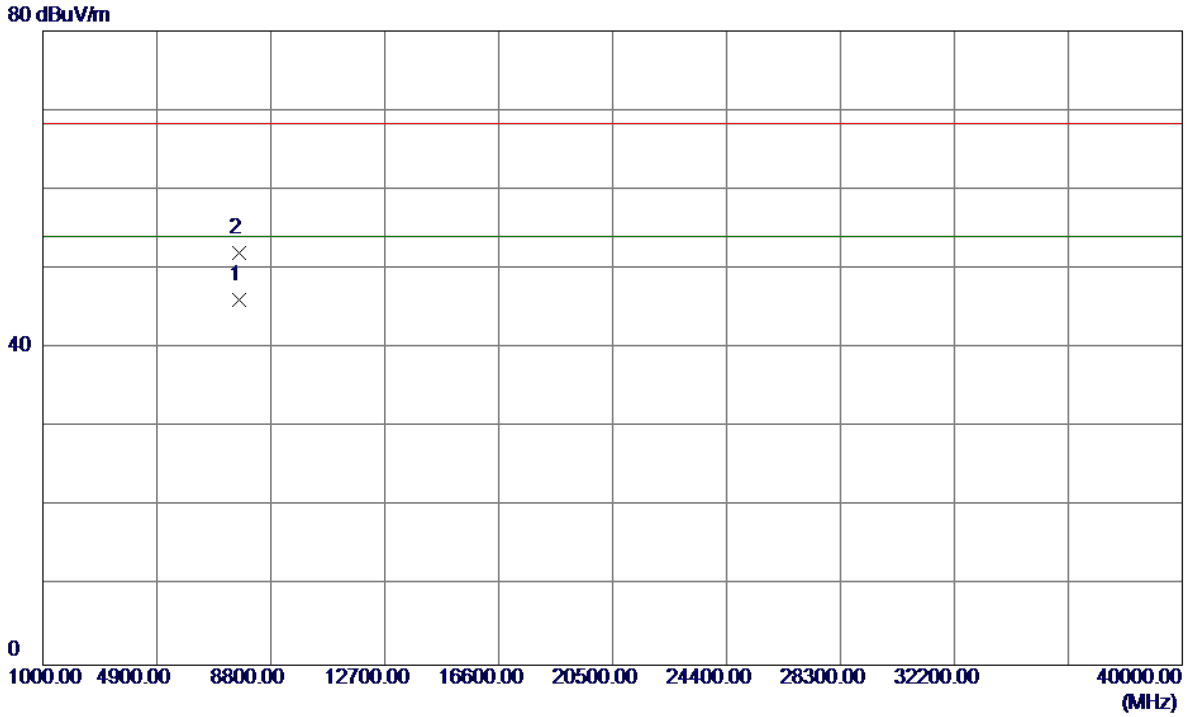
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5778.6000	57.41	43.72	101.13	122.20	-21.07	AVG	
2 *	5784.6000	66.09	43.74	109.83	122.20	-12.37	Peak	

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

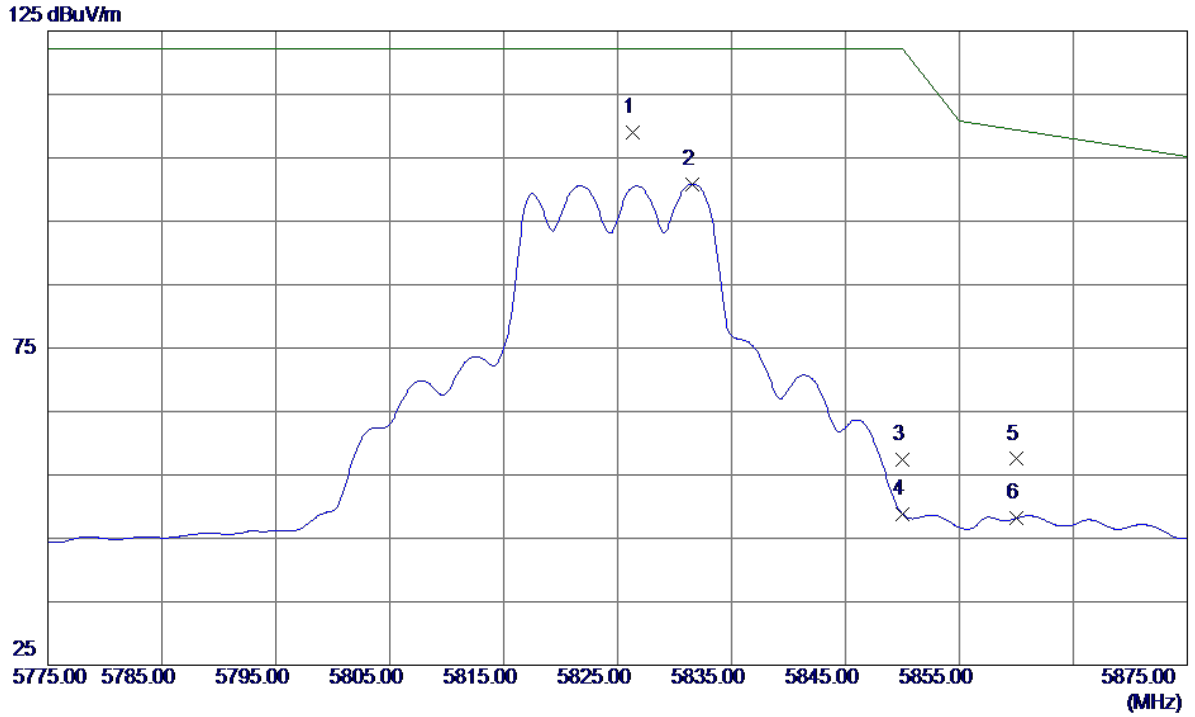
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7713.4100	32.28	13.87	46.15	54.00	-7.85	AVG	
2	7713.4150	38.13	13.87	52.00	68.30	-16.30	Peak	

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

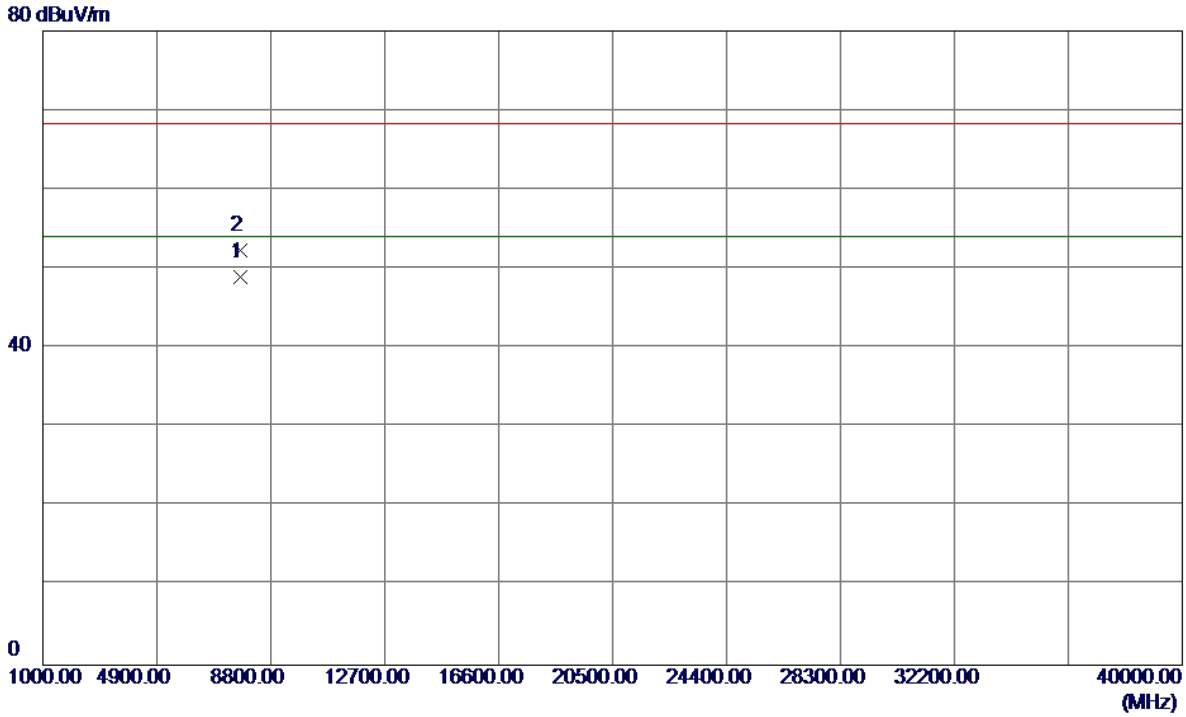
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5826.3000	65.12	43.87	108.99	122.20	-13.21	Peak	
2	5831.6000	56.98	43.88	100.86	122.20	-21.34	AVG	
3	5850.0000	13.37	43.94	57.31	122.20	-64.89	Peak	
4	5850.0000	4.93	43.94	48.87	122.20	-73.33	AVG	
5	5860.0000	13.53	43.97	57.50	109.40	-51.90	Peak	
6	5860.0000	4.22	43.97	48.19	109.40	-61.21	AVG	

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

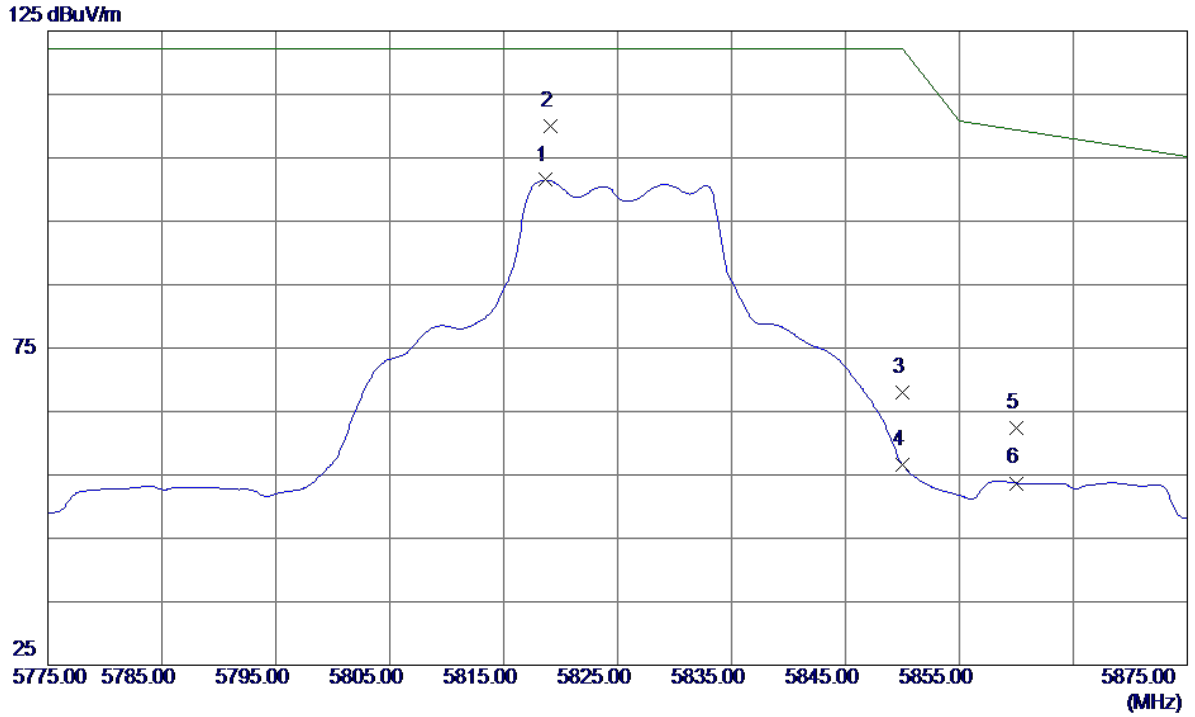
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7766.7900	35.03	13.92	48.95	54.00	-5.05	AVG	
2	7766.8800	38.38	13.92	52.30	68.30	-16.00	Peak	

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

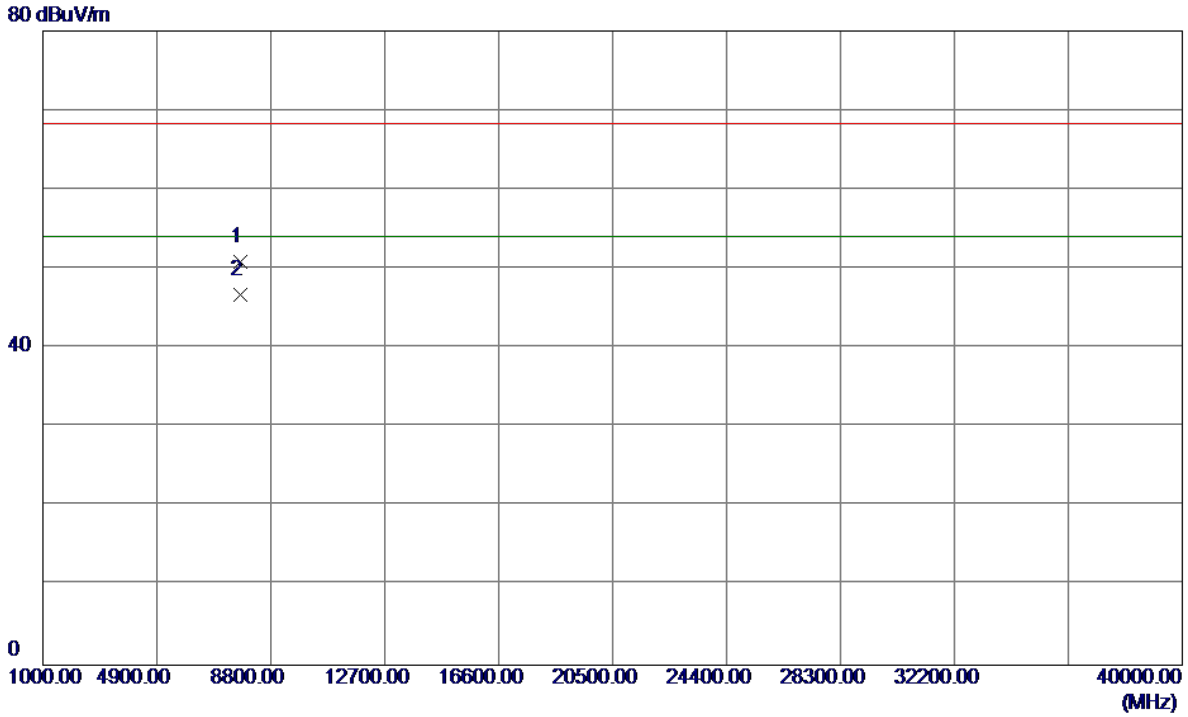
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5818.7000	57.66	43.84	101.50	122.20	-20.70	AVG	
2 *	5819.1000	66.07	43.84	109.91	122.20	-12.29	Peak	
3	5850.0000	23.97	43.94	67.91	122.20	-54.29	Peak	
4	5850.0000	12.67	43.94	56.61	122.20	-65.59	AVG	
5	5860.0000	18.42	43.97	62.39	109.40	-47.01	Peak	
6	5860.0000	9.73	43.97	53.70	109.40	-55.70	AVG	

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

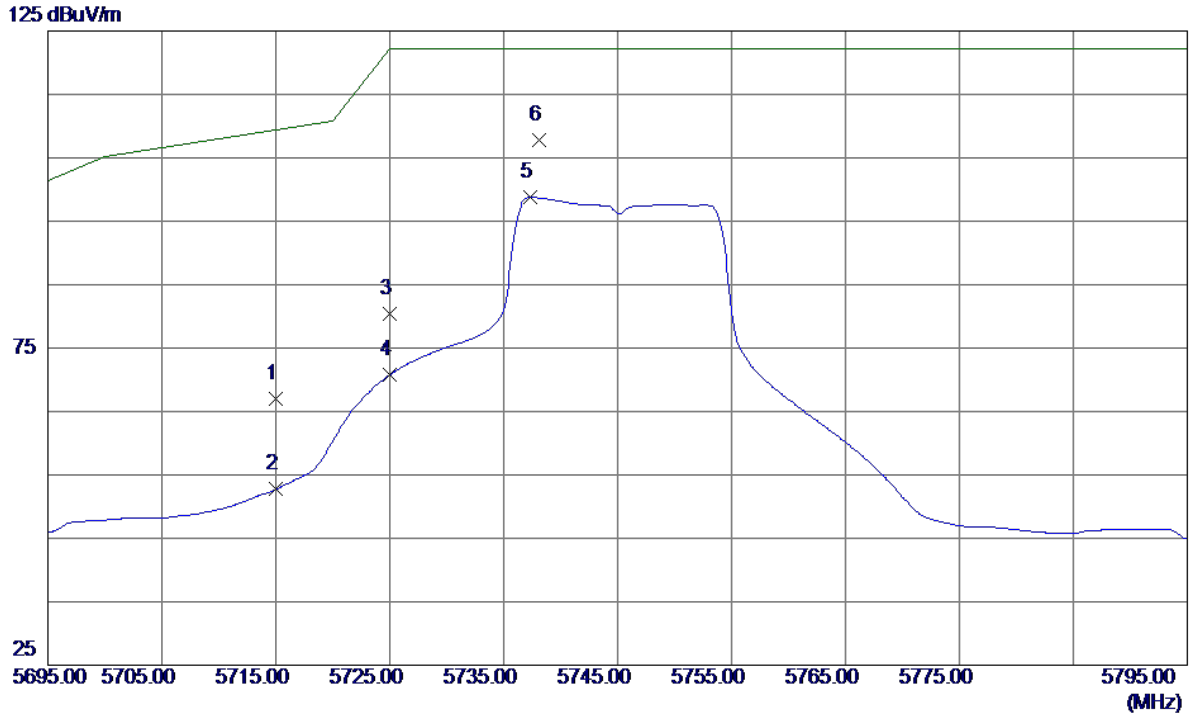
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7766.7350	36.95	13.92	50.87	68.30	-17.43	Peak	
2 *	7766.7600	32.81	13.92	46.73	54.00	-7.27	AVG	

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

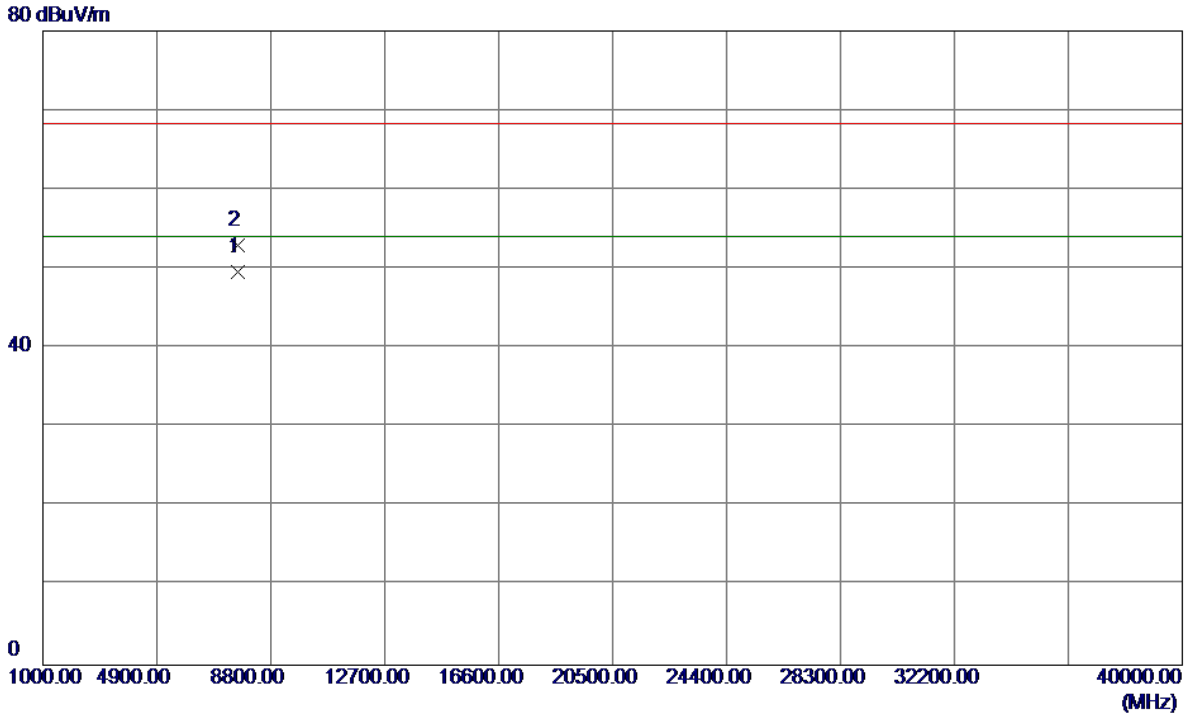
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	23.47	43.53	67.00	109.40	-42.40	Peak	
2	5715.0000	9.19	43.53	52.72	109.40	-56.68	AVG	
3	5725.0000	36.89	43.56	80.45	122.20	-41.75	Peak	
4	5725.0000	27.23	43.56	70.79	122.20	-51.41	AVG	
5	5737.3000	55.17	43.60	98.77	122.20	-23.43	AVG	
6 *	5738.1000	64.20	43.60	107.80	122.20	-14.40	Peak	

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

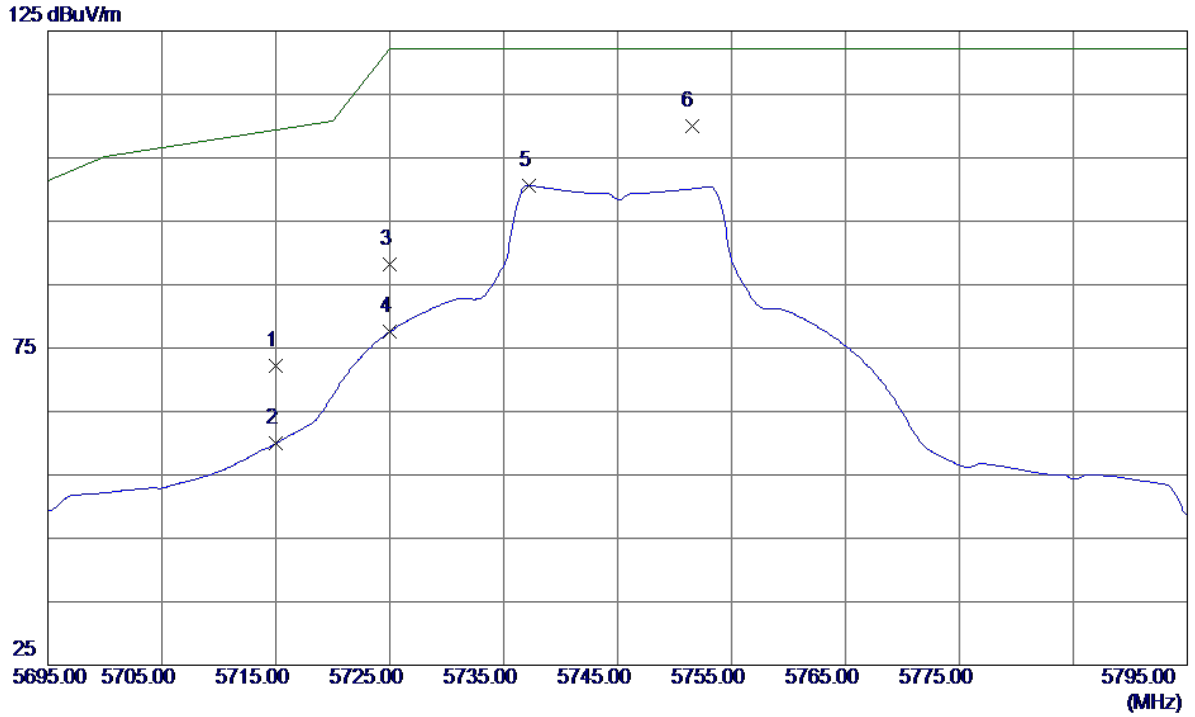
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7660.0850	35.72	13.82	49.54	54.00	-4.46	AVG	
2	7660.1150	39.21	13.82	53.03	68.30	-15.27	Peak	

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

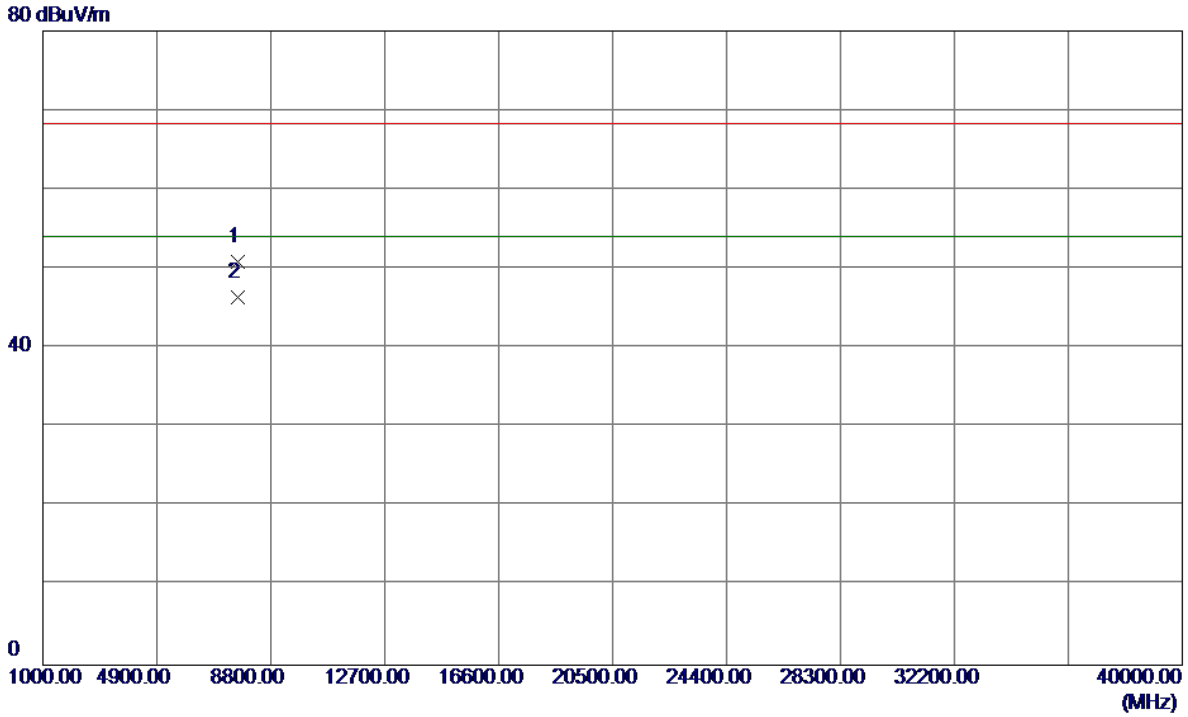
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	28.66	43.53	72.19	109.40	-37.21	Peak	
2	5715.0000	16.46	43.53	59.99	109.40	-49.41	AVG	
3	5725.0000	44.62	43.56	88.18	122.20	-34.02	Peak	
4	5725.0000	33.99	43.56	77.55	122.20	-44.65	AVG	
5	5737.2000	57.05	43.60	100.65	122.20	-21.55	AVG	
6 *	5751.5000	66.27	43.64	109.91	122.20	-12.29	Peak	

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

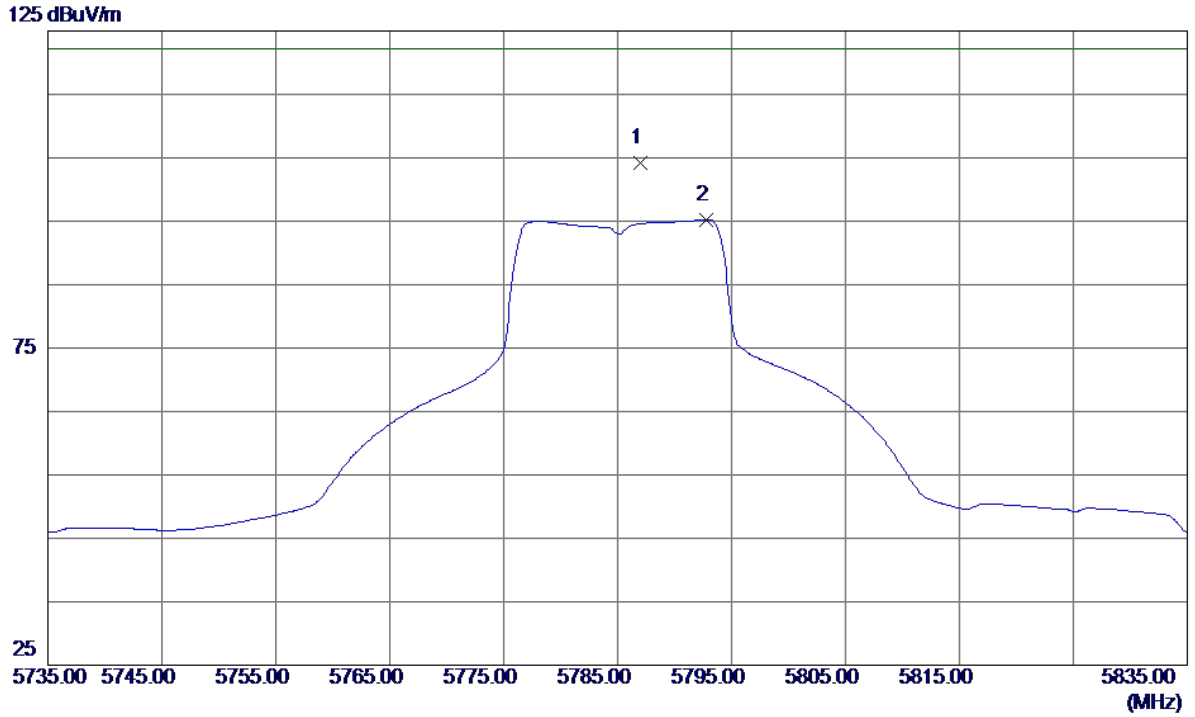
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7659.9750	37.11	13.82	50.93	68.30	-17.37	Peak	
2 *	7660.1050	32.53	13.82	46.35	54.00	-7.65	AVG	

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

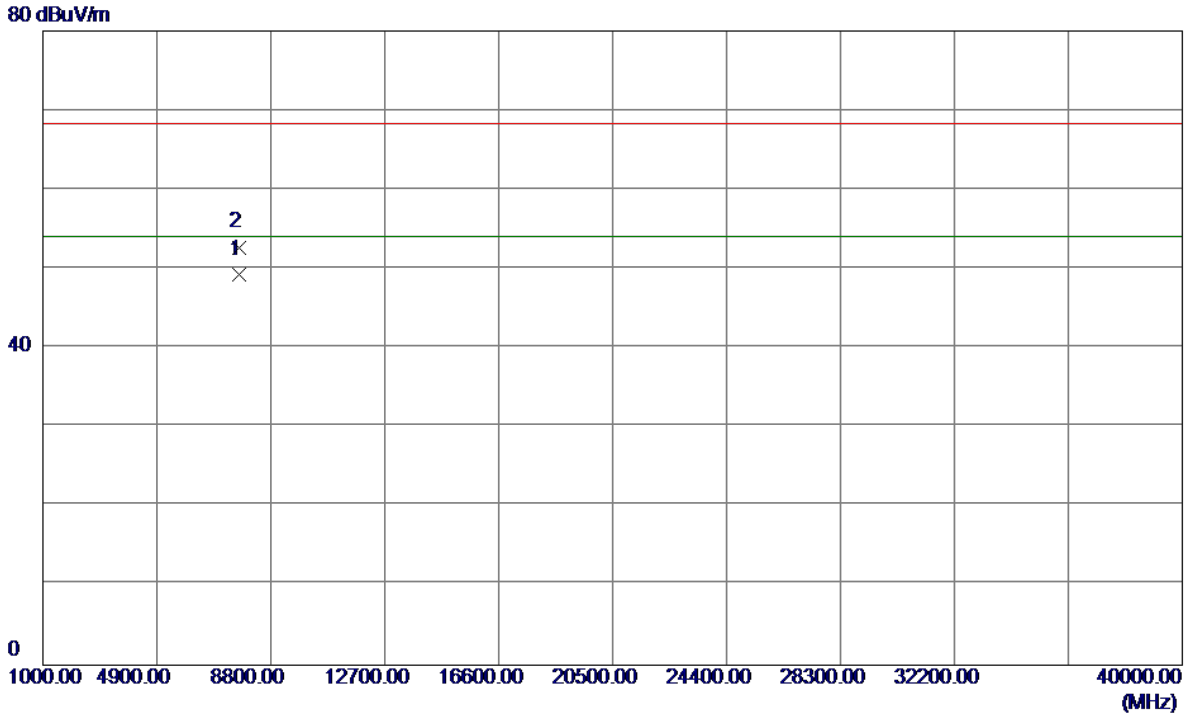
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5787.0000	60.49	43.75	104.24	122.20	-17.96	Peak	
2	5792.8000	51.48	43.76	95.24	122.20	-26.96	AVG	

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

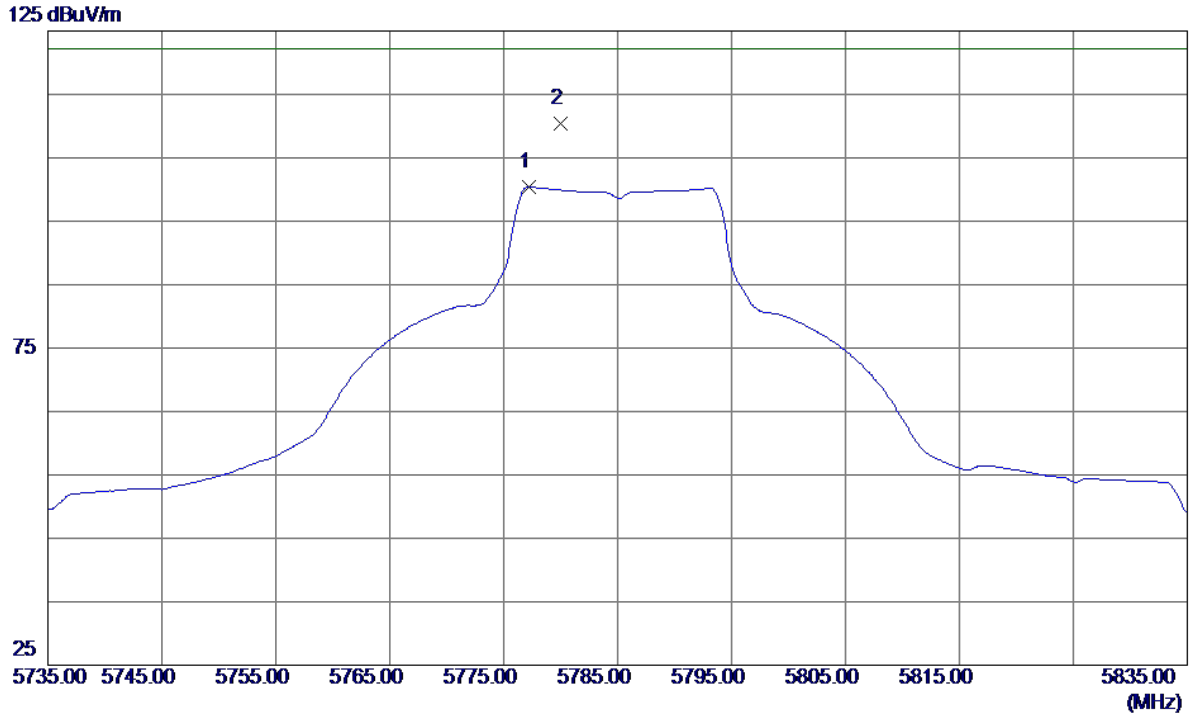
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7713.4550	35.34	13.87	49.21	54.00	-4.79	AVG	
2	7713.5550	38.85	13.87	52.72	68.30	-15.58	Peak	

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

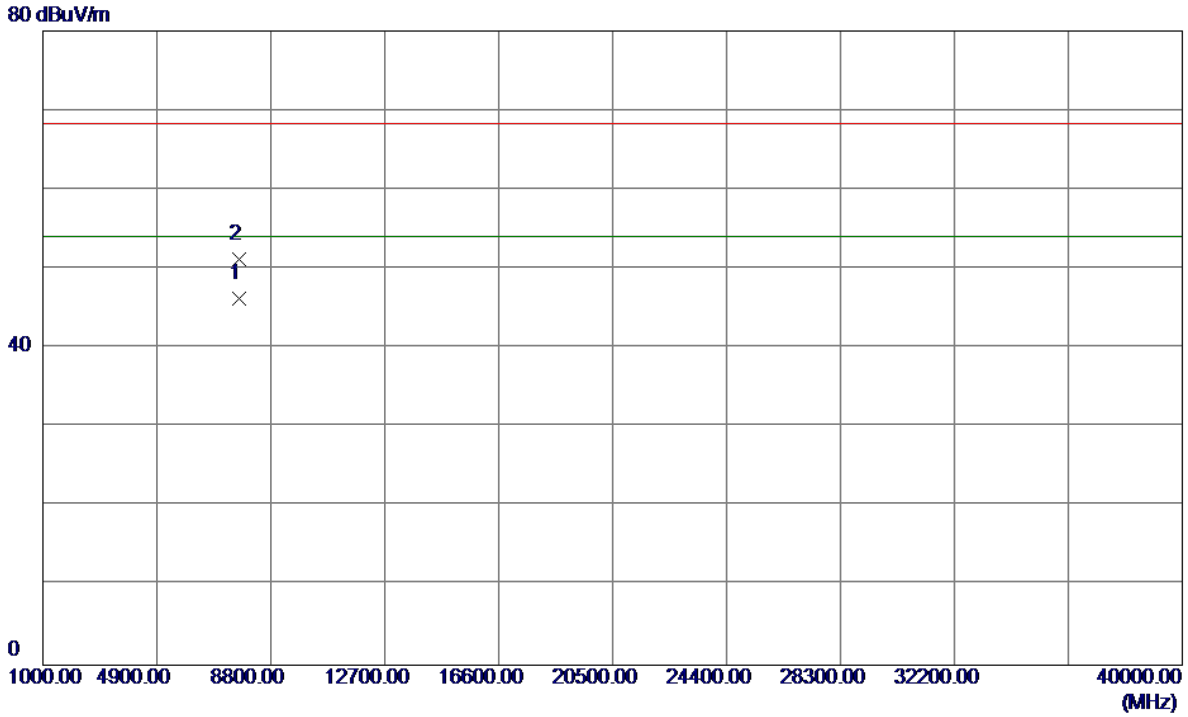
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5777.2000	56.66	43.72	100.38	122.20	-21.82	AVG	
2 *	5780.0000	66.64	43.73	110.37	122.20	-11.83	Peak	

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

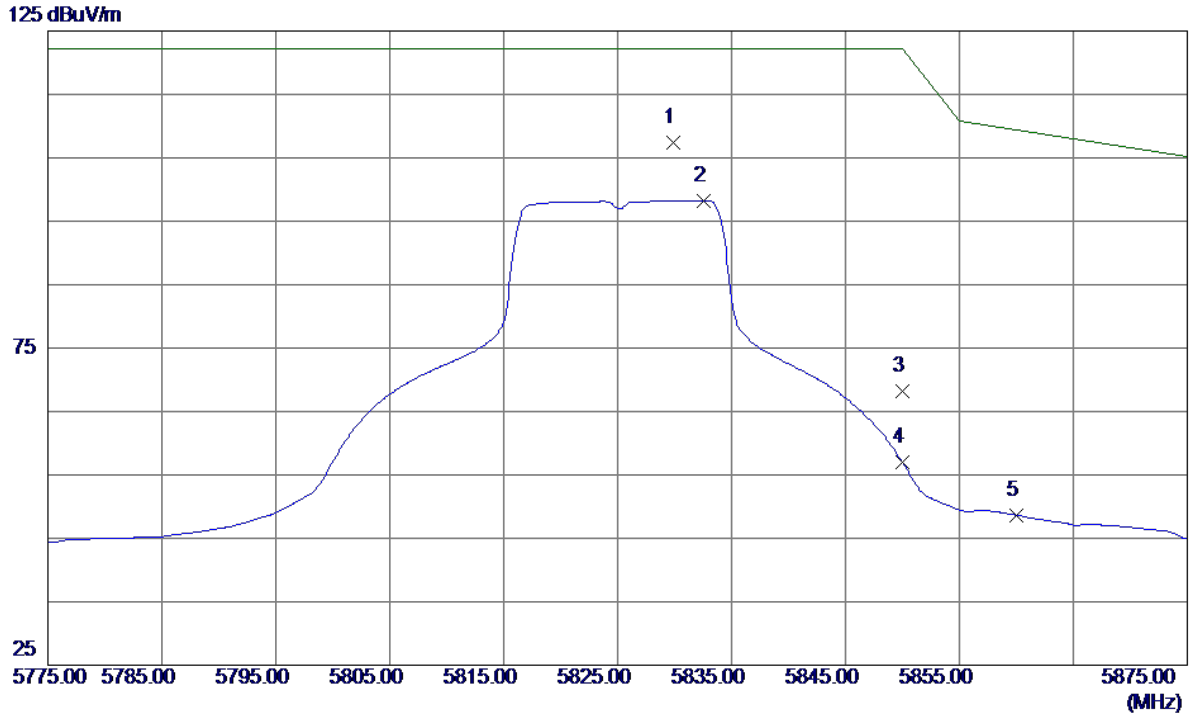
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7713.4350	32.36	13.87	46.23	54.00	-7.77	AVG	
2	7713.5600	37.36	13.87	51.23	68.30	-17.07	Peak	

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

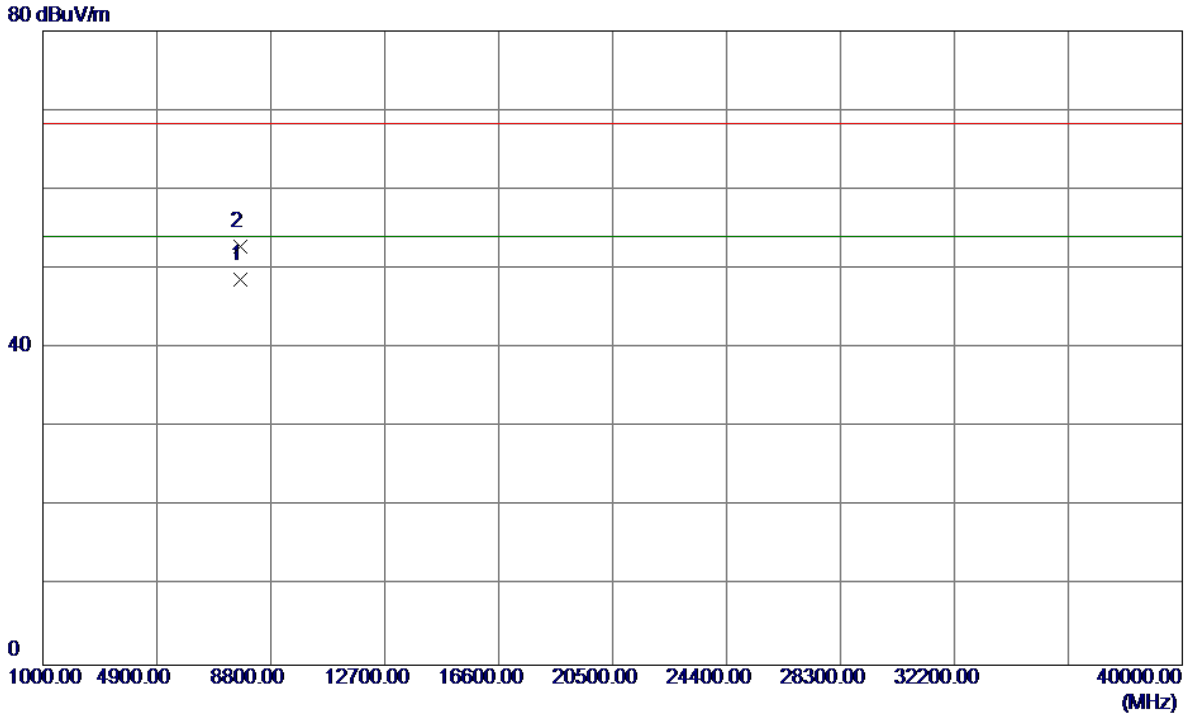
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5829.9000	63.59	43.88	107.47	122.20	-14.73	Peak	
2	5832.6000	54.32	43.88	98.20	122.20	-24.00	AVG	
3	5850.0000	24.18	43.94	68.12	122.20	-54.08	Peak	
4	5850.0000	13.02	43.94	56.96	122.20	-65.24	AVG	
5	5860.0000	4.68	43.97	48.65	109.40	-60.75	AVG	

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

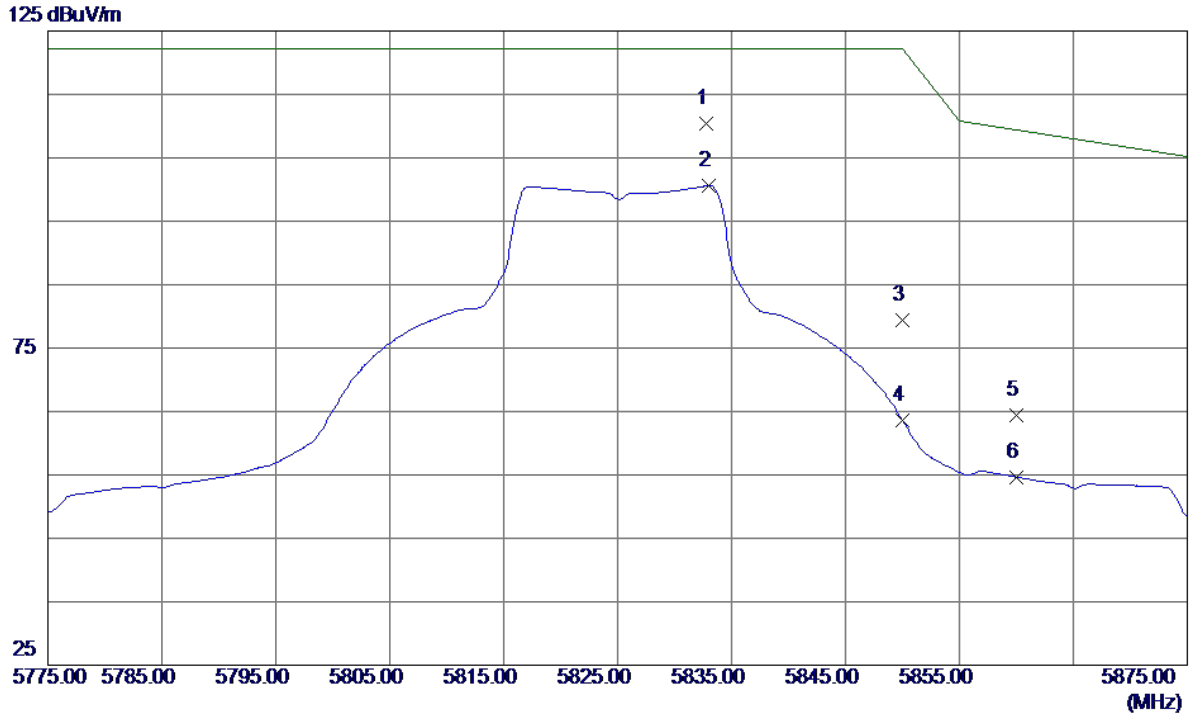
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7766.8700	34.75	13.92	48.67	54.00	-5.33	AVG	
2	7767.0600	38.88	13.92	52.80	68.30	-15.50	Peak	

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

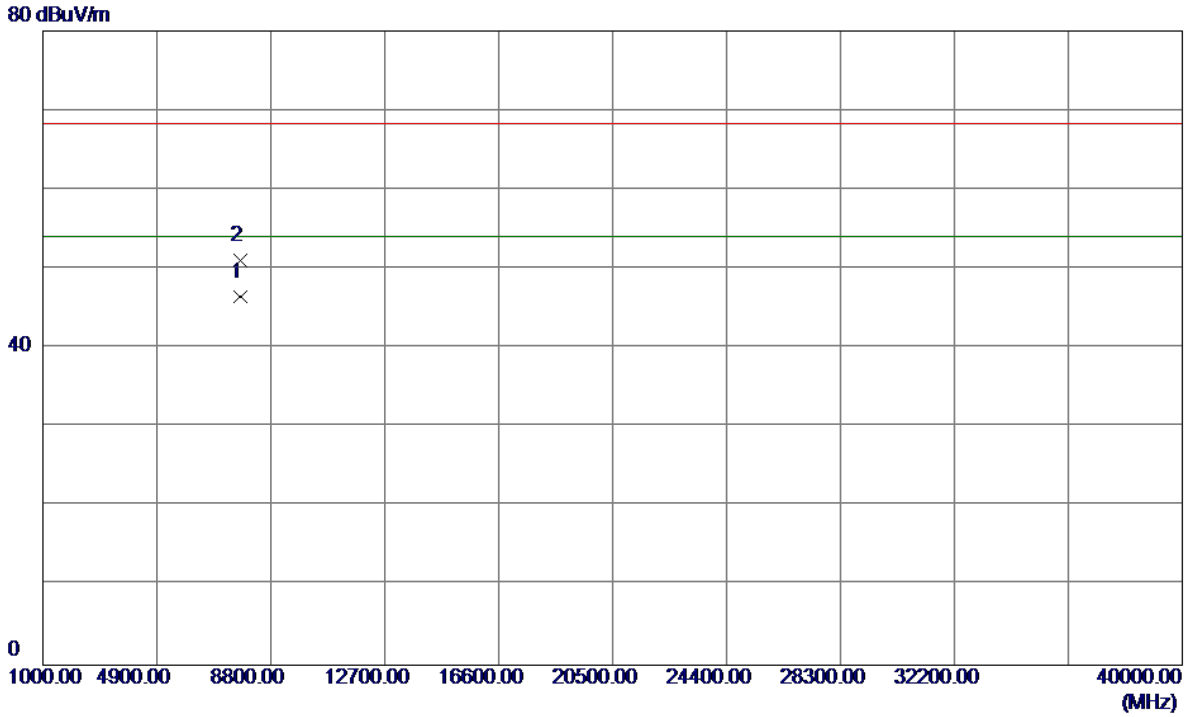
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5832.8000	66.44	43.88	110.32	122.20	-11.88	Peak	
2	5833.0000	56.70	43.89	100.59	122.20	-21.61	AVG	
3	5850.0000	35.42	43.94	79.36	122.20	-42.84	Peak	
4	5850.0000	19.70	43.94	63.64	122.20	-58.56	AVG	
5	5860.0000	20.42	43.97	64.39	109.40	-45.01	Peak	
6	5860.0000	10.67	43.97	54.64	109.40	-54.76	AVG	

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

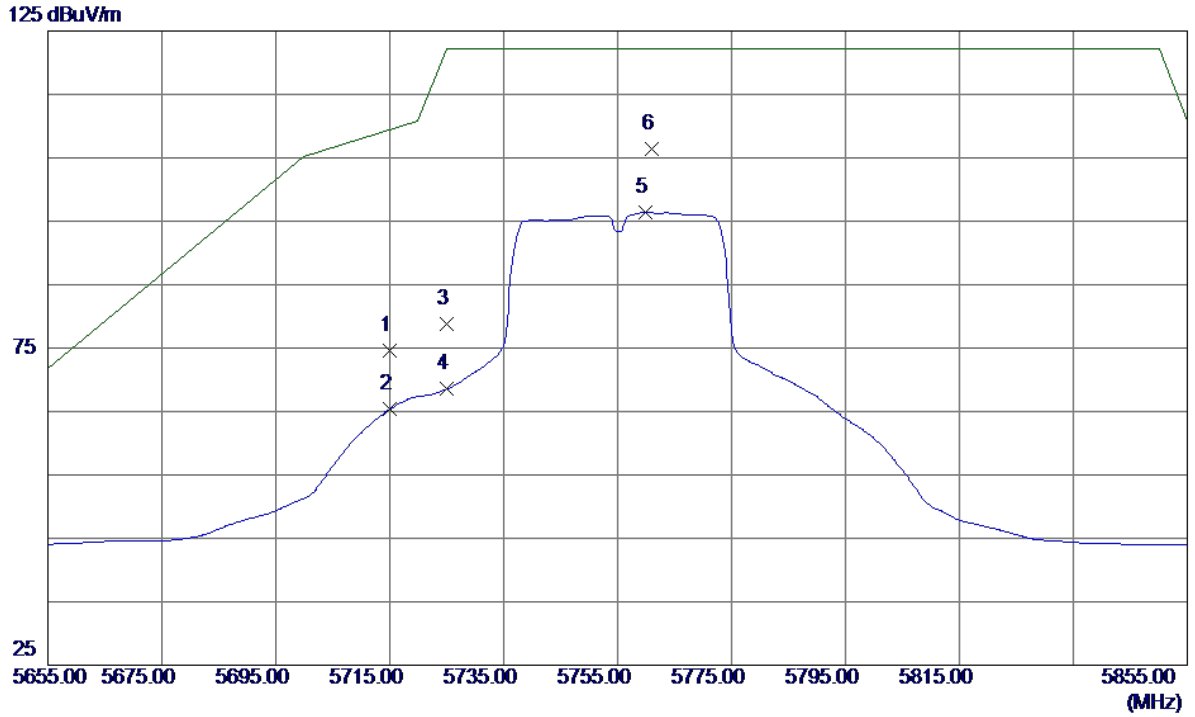
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7766.7350	32.56	13.92	46.48	54.00	-7.52	AVG	
2	7766.7800	37.15	13.92	51.07	68.30	-17.23	Peak	

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

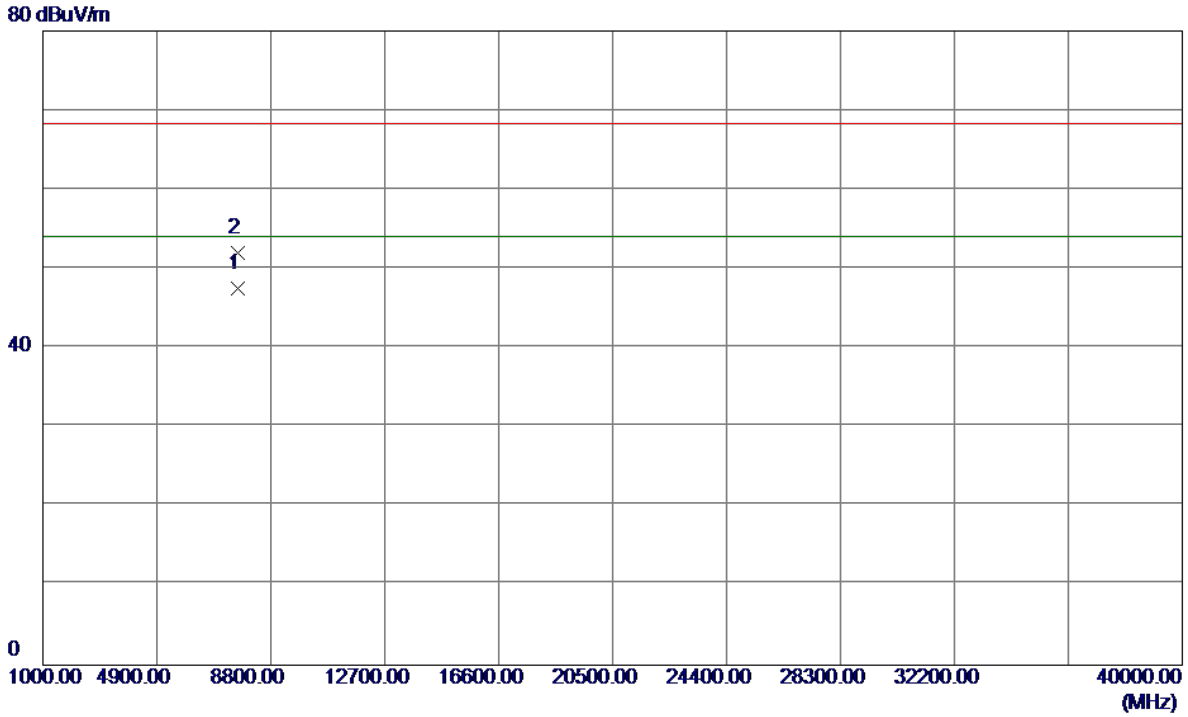
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	31.15	43.53	74.68	109.40	-34.72	Peak	
2	5715.0000	21.86	43.53	65.39	109.40	-44.01	AVG	
3	5725.0000	35.25	43.56	78.81	122.20	-43.39	Peak	
4	5725.0000	24.97	43.56	68.53	122.20	-53.67	AVG	
5	5759.8000	52.72	43.66	96.38	122.20	-25.82	AVG	
6 *	5761.0000	62.75	43.67	106.42	122.20	-15.78	Peak	

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

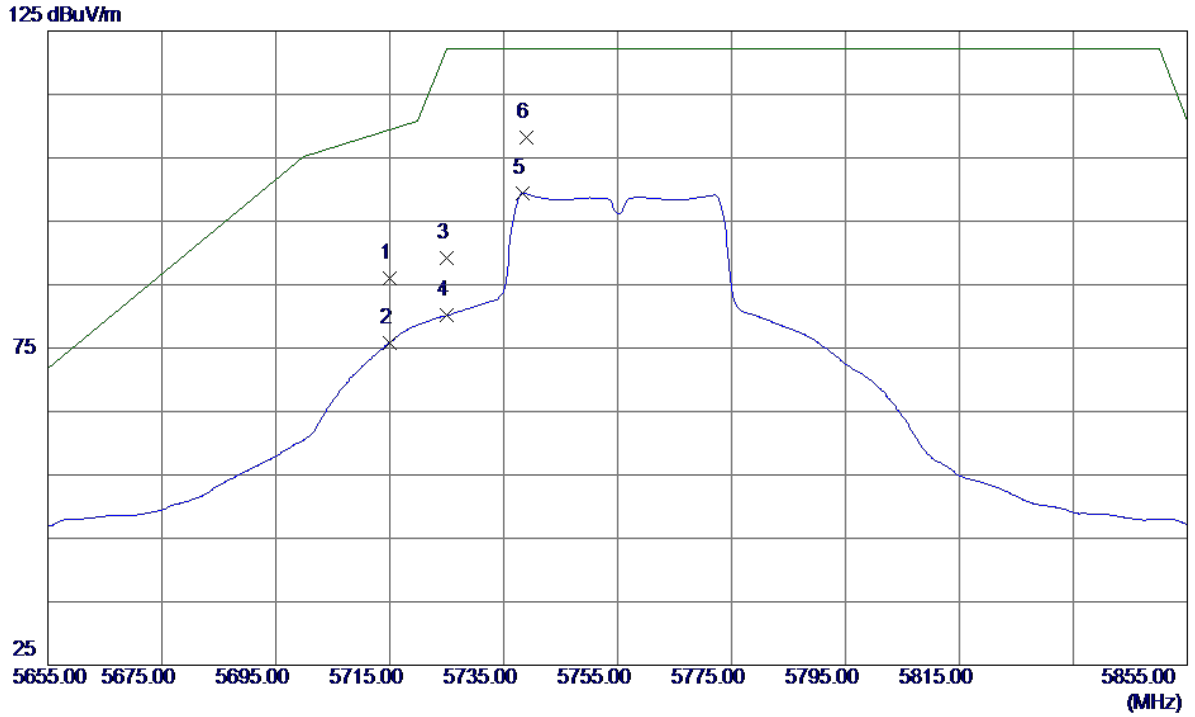
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7673.3360	33.68	13.84	47.52	54.00	-6.48	AVG	
2	7673.4860	38.21	13.84	52.05	68.30	-16.25	Peak	

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

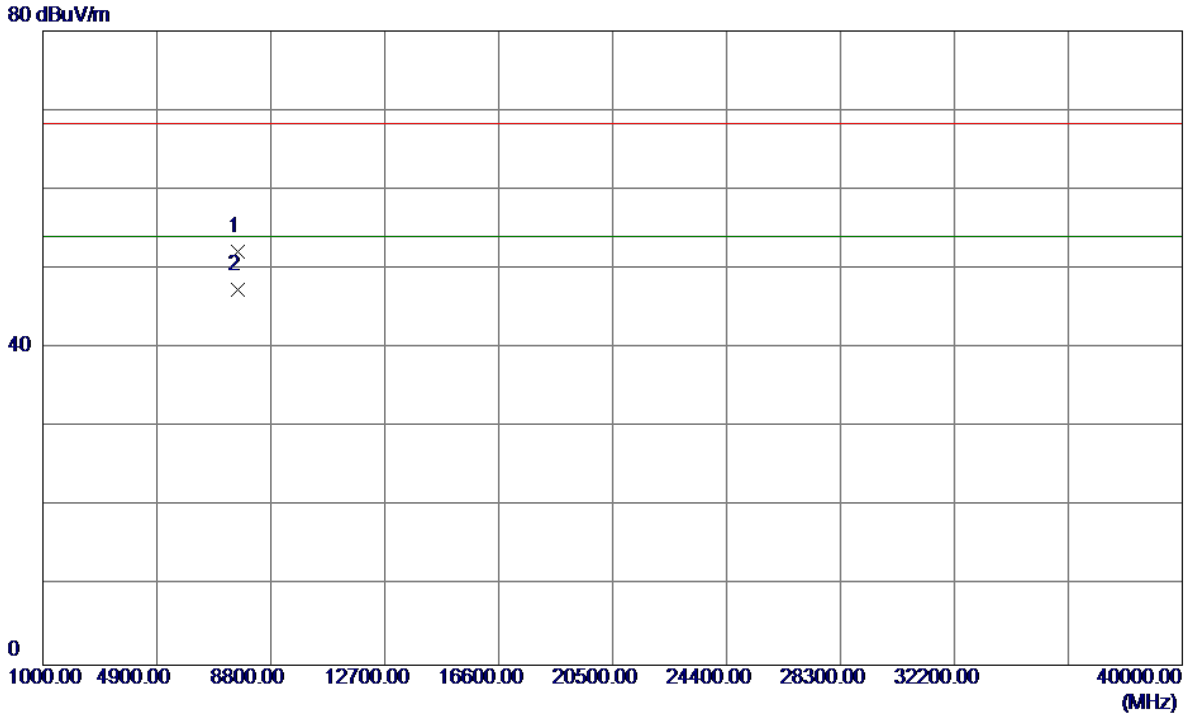
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	42.43	43.53	85.96	109.40	-23.44	Peak	
2	5715.0000	32.35	43.53	75.88	109.40	-33.52	AVG	
3	5725.0000	45.55	43.56	89.11	122.20	-33.09	Peak	
4	5725.0000	36.59	43.56	80.15	122.20	-42.05	AVG	
5	5738.4000	55.82	43.60	99.42	122.20	-22.78	AVG	
6 *	5739.0000	64.51	43.60	108.11	122.20	-14.09	Peak	

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

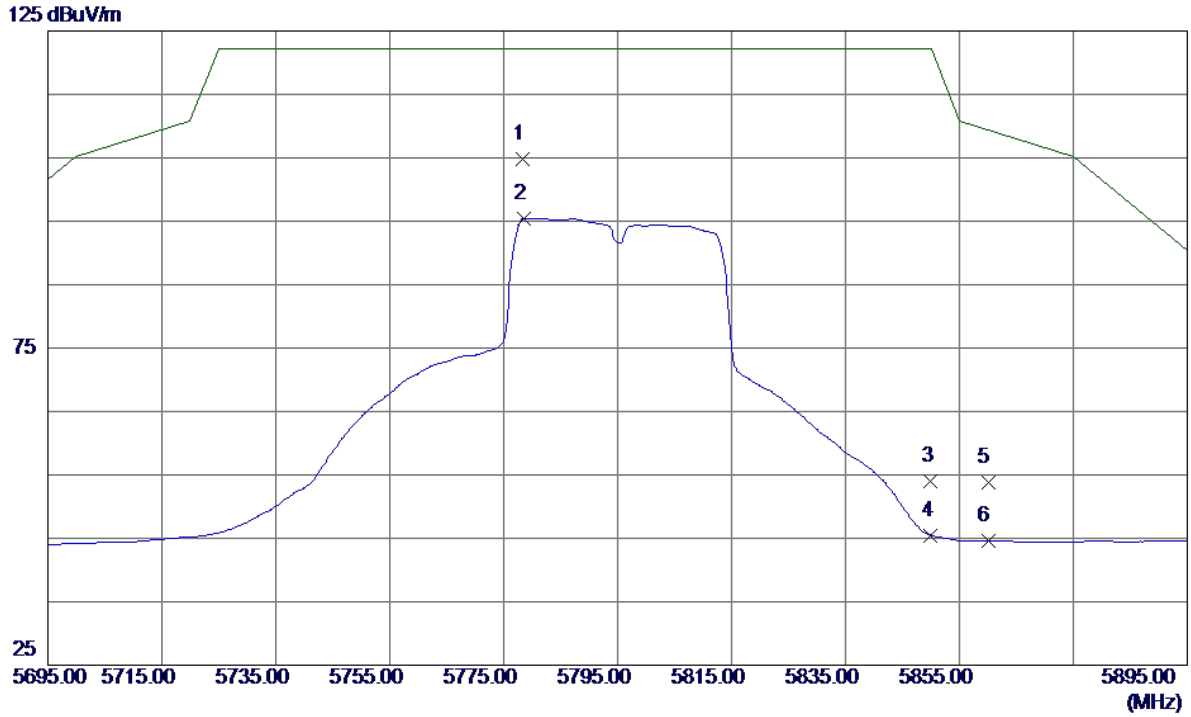
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7673.2340	38.27	13.84	52.11	68.30	-16.19	Peak	
2 *	7673.3620	33.57	13.84	47.41	54.00	-6.59	AVG	

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

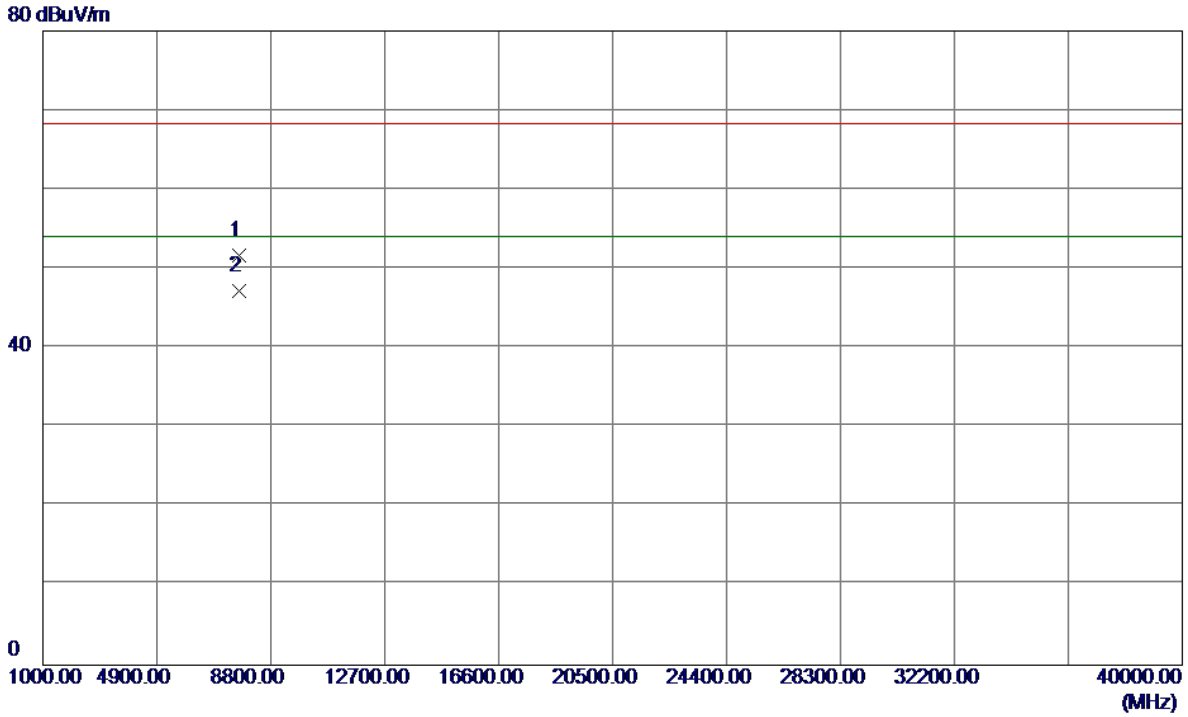
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5778.4000	61.15	43.72	104.87	122.20	-17.33	Peak	
2	5778.6000	51.70	43.72	95.42	122.20	-26.78	AVG	
3	5850.0000	10.07	43.94	54.01	122.20	-68.19	Peak	
4	5850.0000	1.51	43.94	45.45	122.20	-76.75	AVG	
5	5860.0000	9.82	43.97	53.79	109.40	-55.61	Peak	
6	5860.0000	0.69	43.97	44.66	109.40	-64.74	AVG	

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

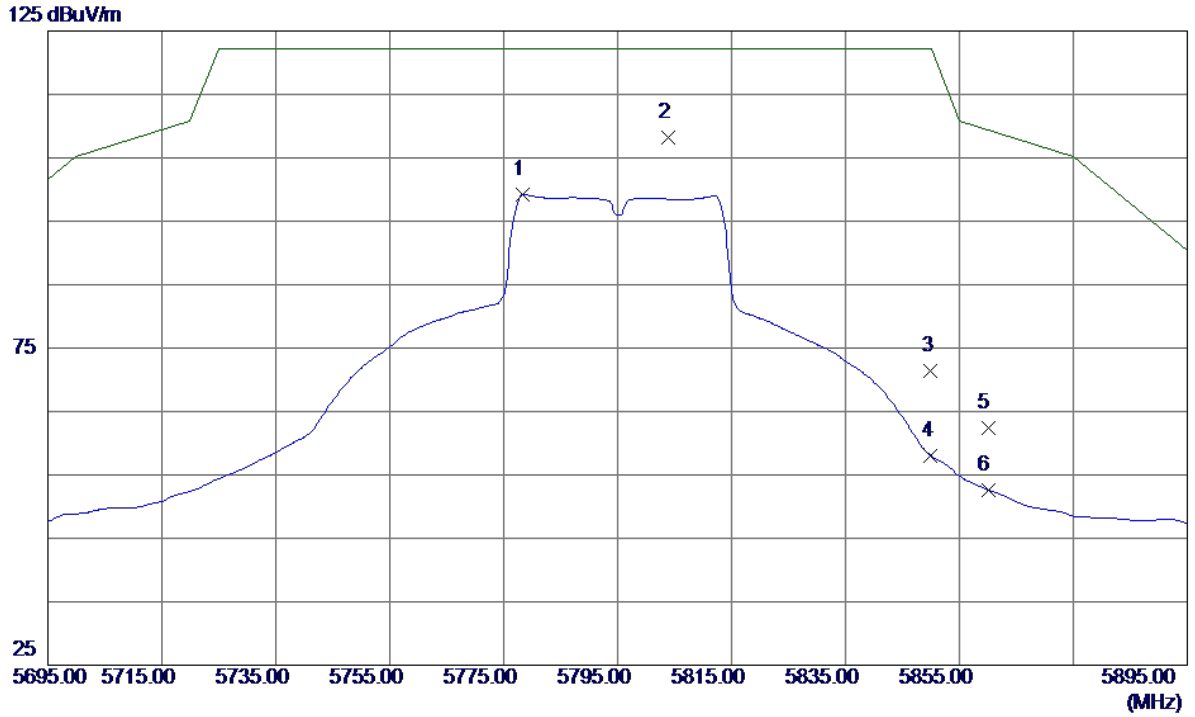
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7726.6440	37.83	13.88	51.71	68.30	-16.59	Peak	
2 *	7726.7640	33.36	13.88	47.24	54.00	-6.76	AVG	

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

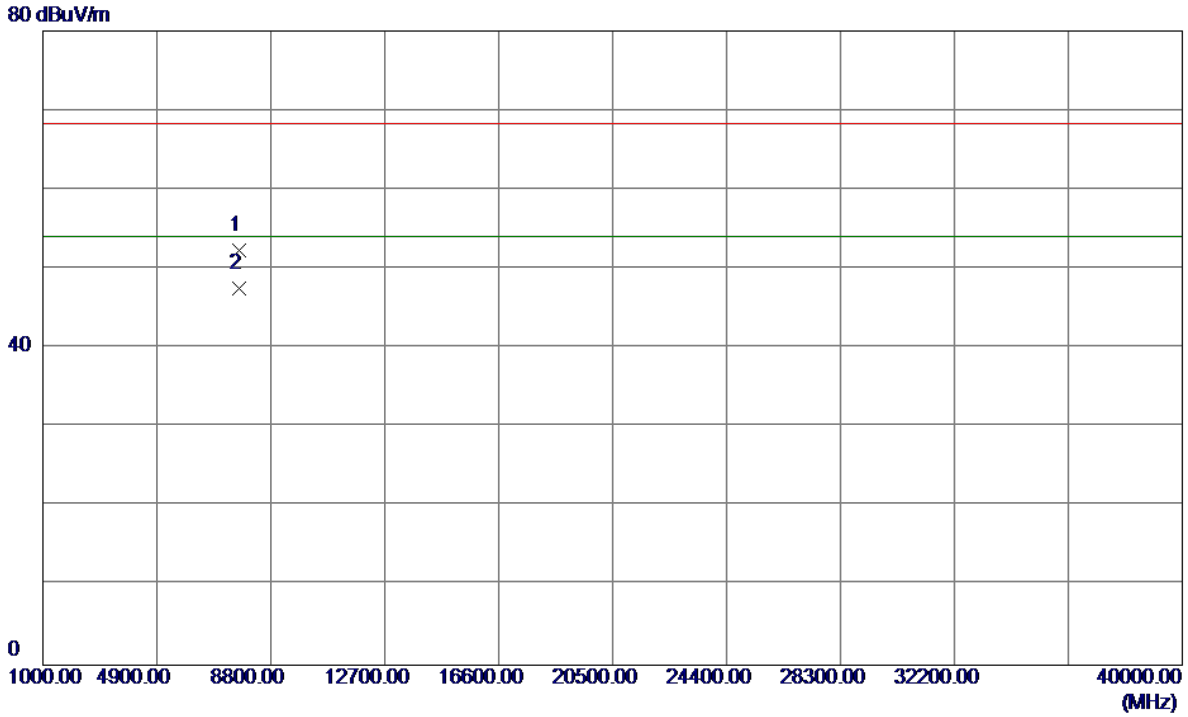
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5778.4000	55.49	43.72	99.21	122.20	-22.99	AVG	
2 *	5803.8000	64.33	43.80	108.13	122.20	-14.07	Peak	
3	5850.0000	27.43	43.94	71.37	122.20	-50.83	Peak	
4	5850.0000	14.05	43.94	57.99	122.20	-64.21	AVG	
5	5860.0000	18.45	43.97	62.42	109.40	-46.98	Peak	
6	5860.0000	8.71	43.97	52.68	109.40	-56.72	AVG	

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

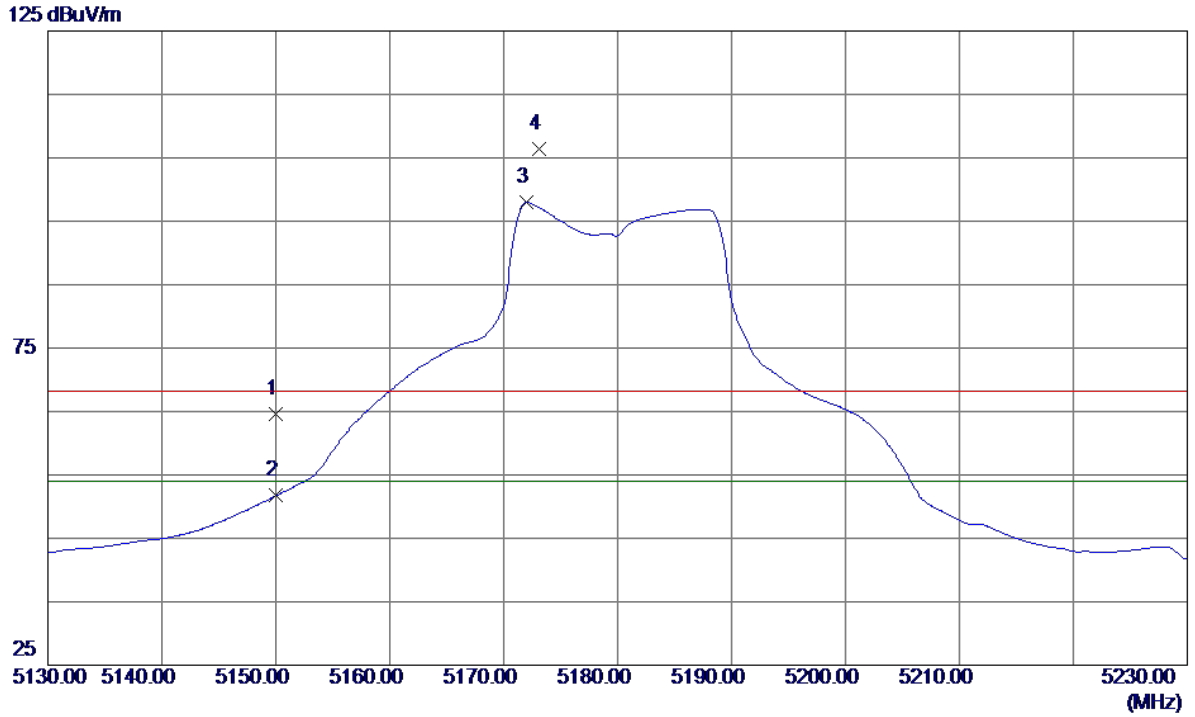
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7726.5940	38.37	13.88	52.25	68.30	-16.05	Peak	
2 *	7726.6440	33.68	13.88	47.56	54.00	-6.44	AVG	

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

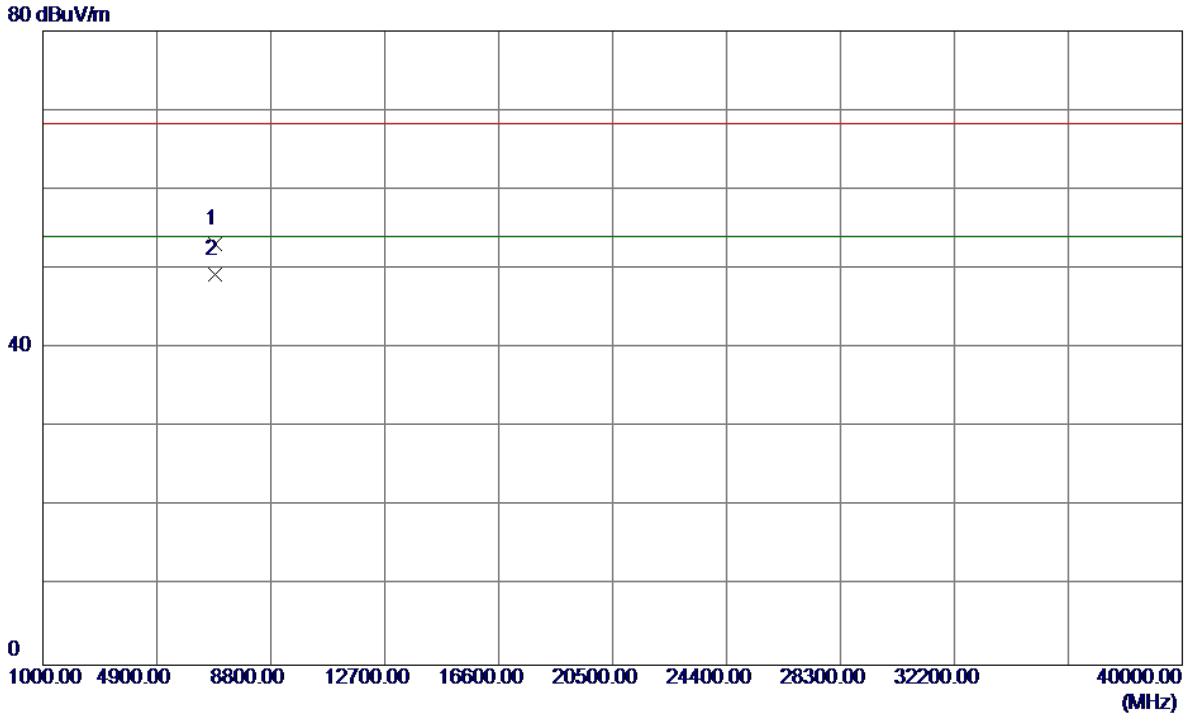
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.41	41.10	64.51	68.30	-3.79	Peak	
2	5150.0000	10.61	41.10	51.71	54.00	-2.29	AVG	
3 *	5172.0000	56.74	41.21	97.95	54.00	43.95	AVG	No Limit
4	5173.1000	65.11	41.22	106.33	68.30	38.03	Peak	No Limit

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

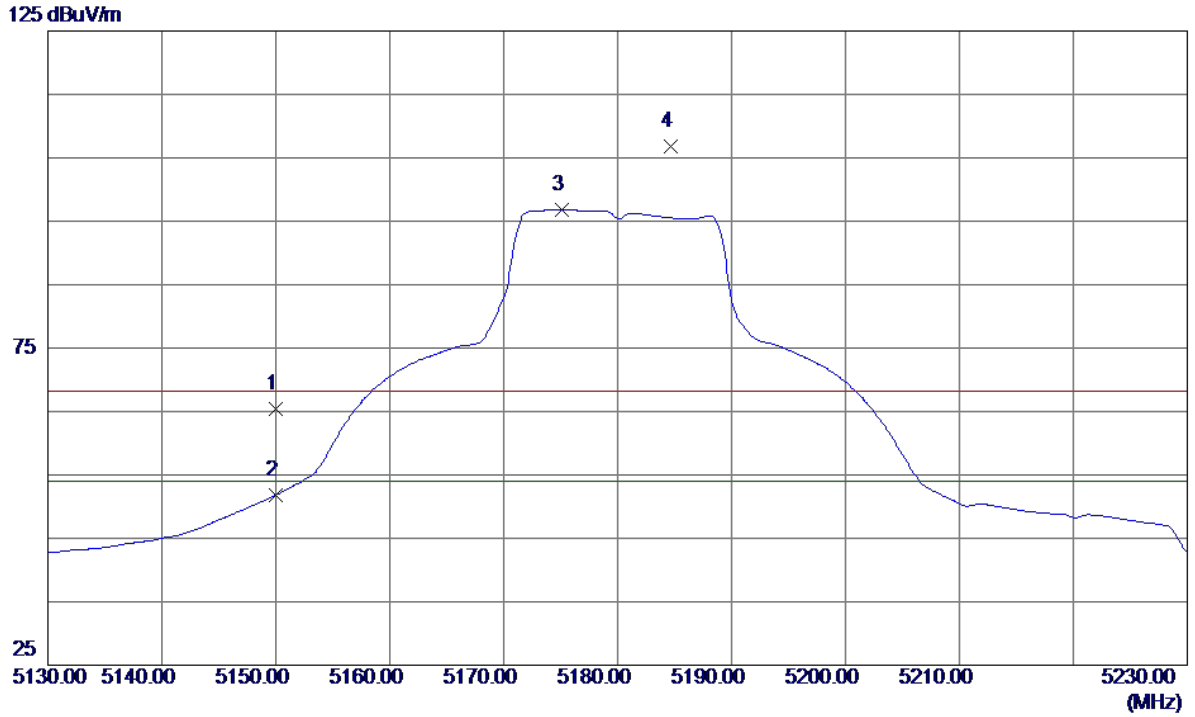
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6906.6740	40.39	12.69	53.08	68.30	-15.22	Peak	
2 *	6906.7580	36.59	12.69	49.28	54.00	-4.72	AVG	

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

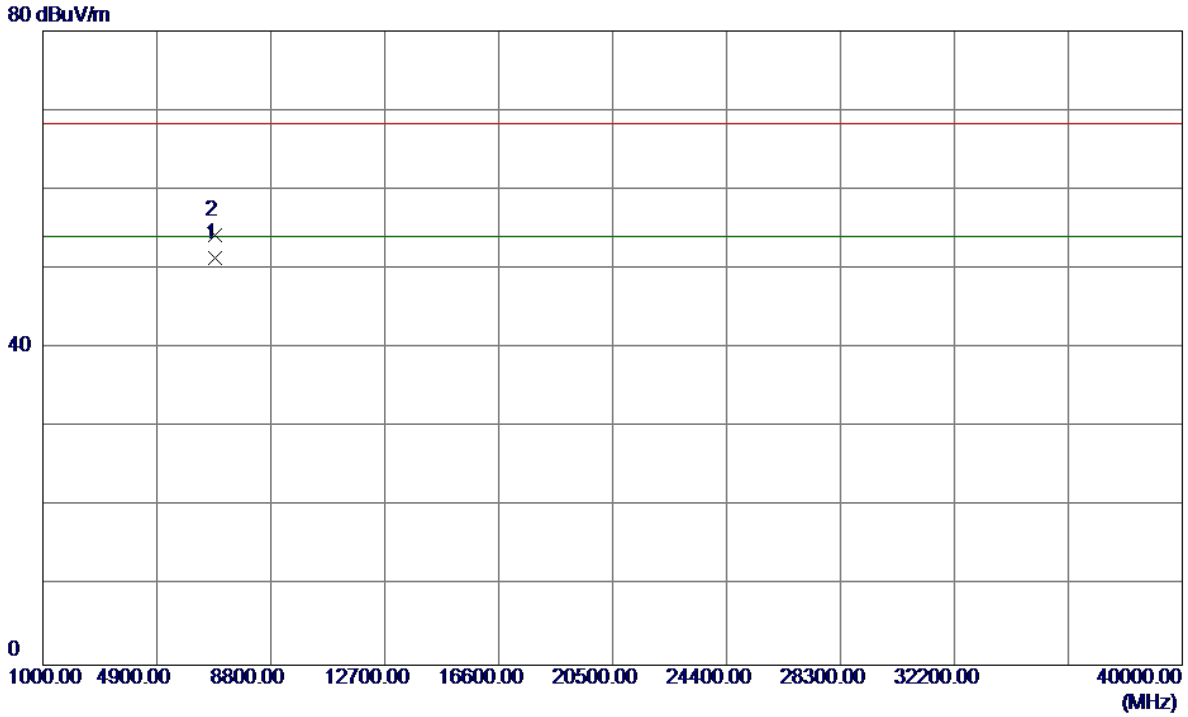
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	24.32	41.10	65.42	68.30	-2.88	Peak	
2	5150.0000	10.76	41.10	51.86	54.00	-2.14	AVG	
3 *	5175.1000	55.53	41.23	96.76	54.00	42.76	AVG	No Limit
4	5184.7000	65.52	41.28	106.80	68.30	38.50	Peak	No Limit

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

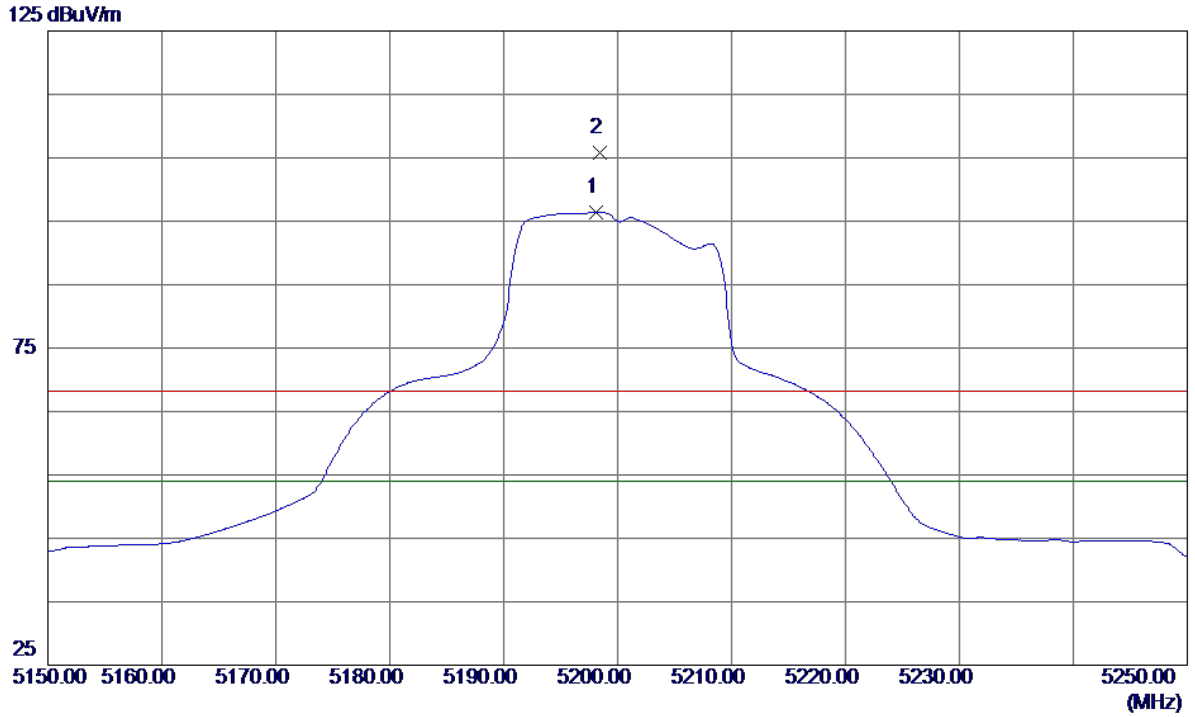
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6906.6500	38.73	12.69	51.42	54.00	-2.58	AVG	
2	6906.6600	41.60	12.69	54.29	68.30	-14.01	Peak	

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

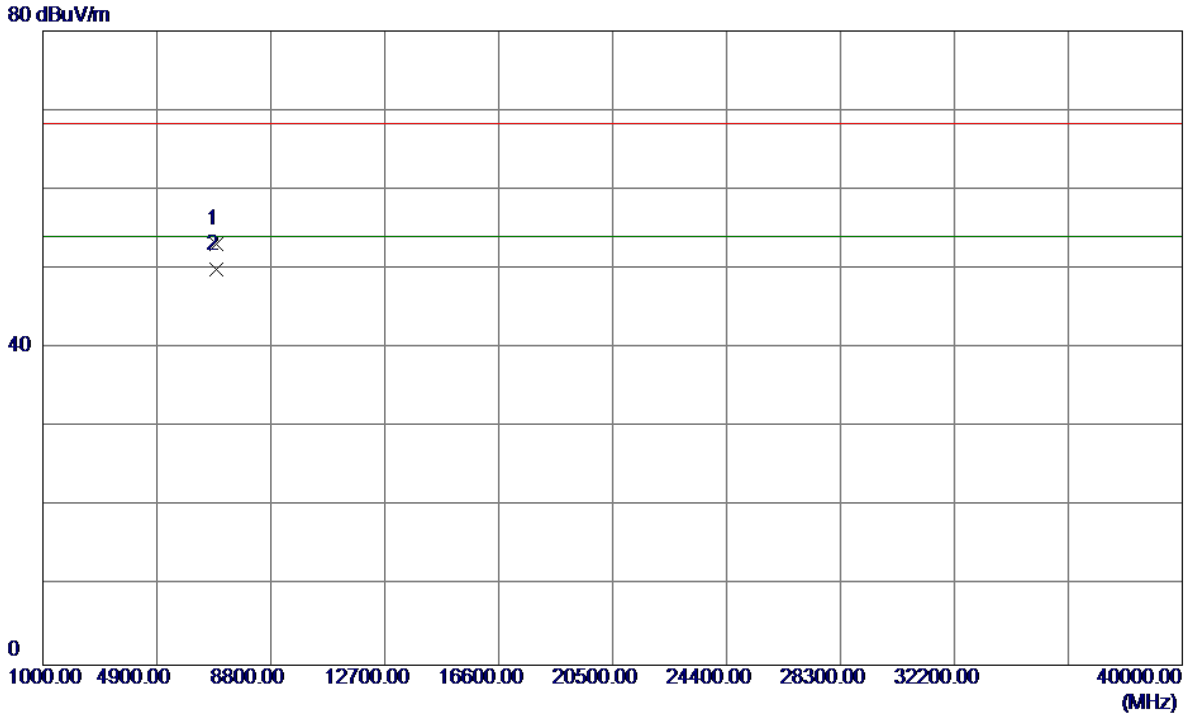
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5198.1000	55.00	41.35	96.35	54.00	42.35	AVG	No Limit
2	5198.4000	64.50	41.35	105.85	68.30	37.55	Peak	No Limit

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

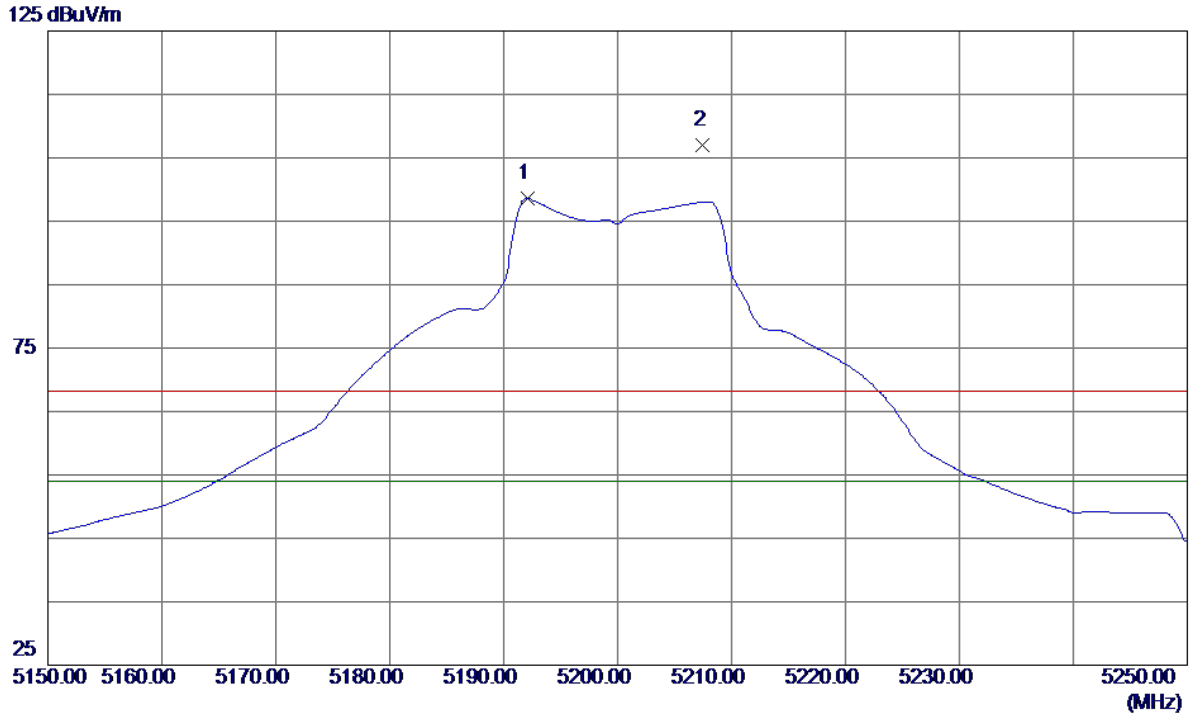
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6933.2840	40.38	12.74	53.12	68.30	-15.18	Peak	
2 *	6933.3580	37.13	12.74	49.87	54.00	-4.13	AVG	

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

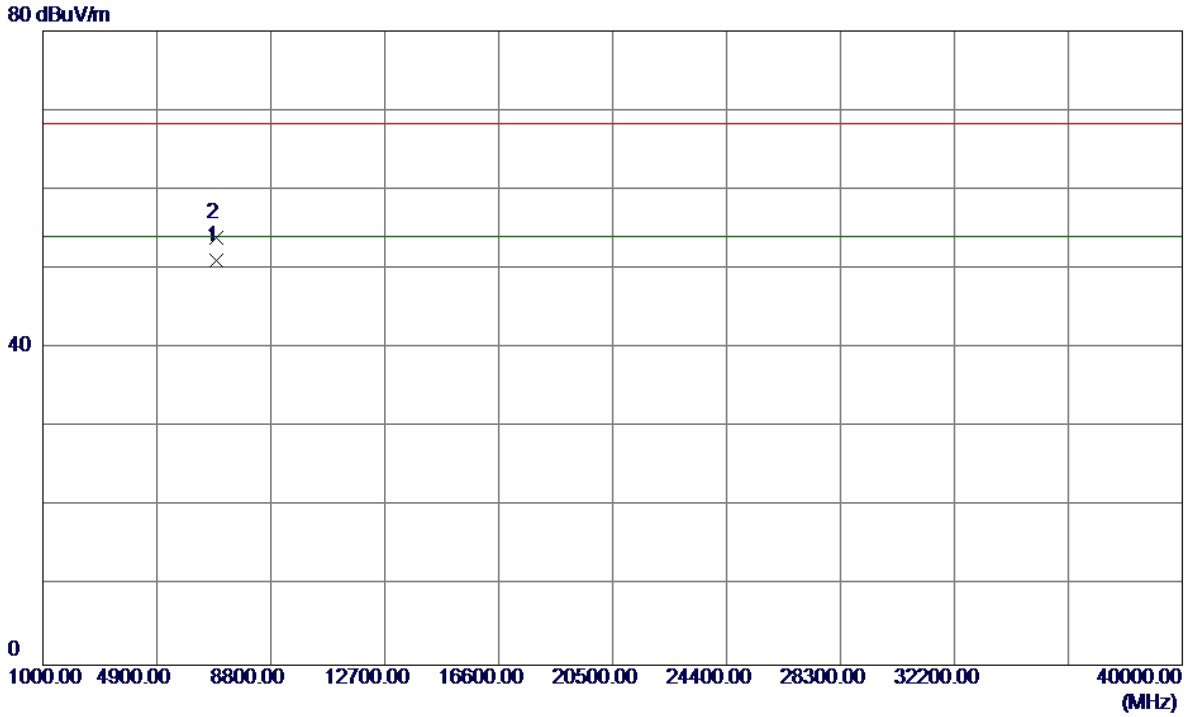
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5192.1000	57.25	41.32	98.57	54.00	44.57	AVG	No Limit
2	5207.5000	65.58	41.39	106.97	68.30	38.67	Peak	No Limit

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

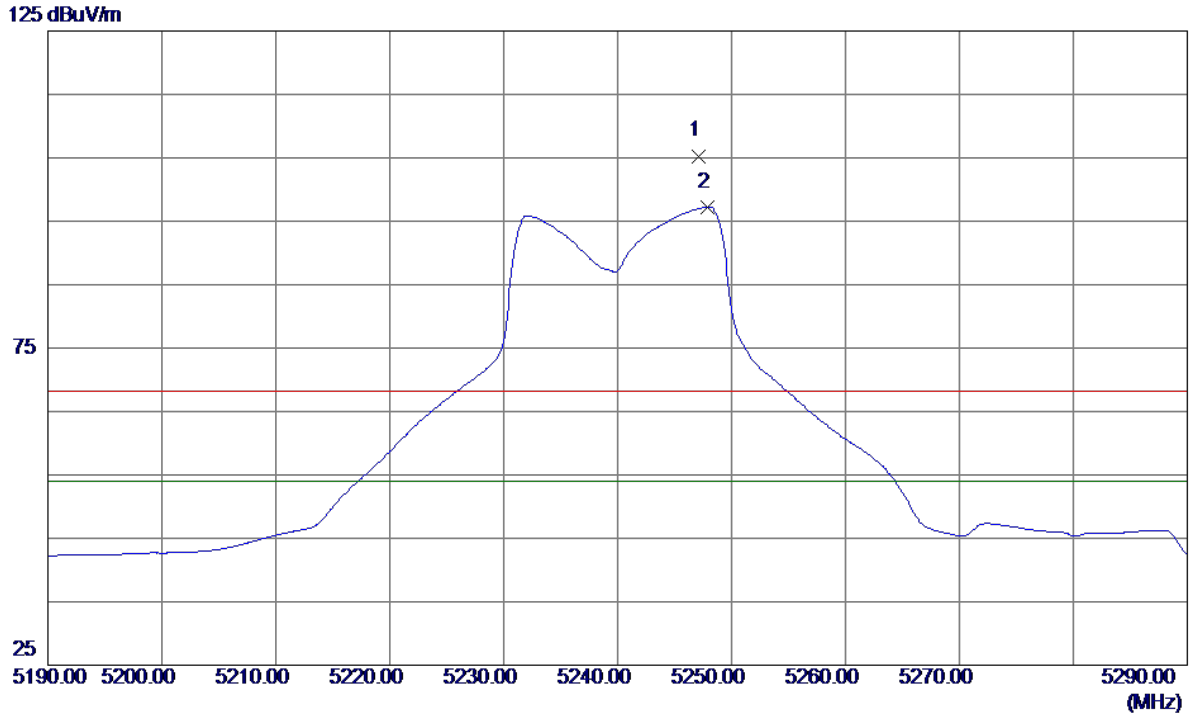
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6933.3680	38.33	12.74	51.07	54.00	-2.93	AVG	
2	6933.3960	41.25	12.74	53.99	68.30	-14.31	Peak	

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

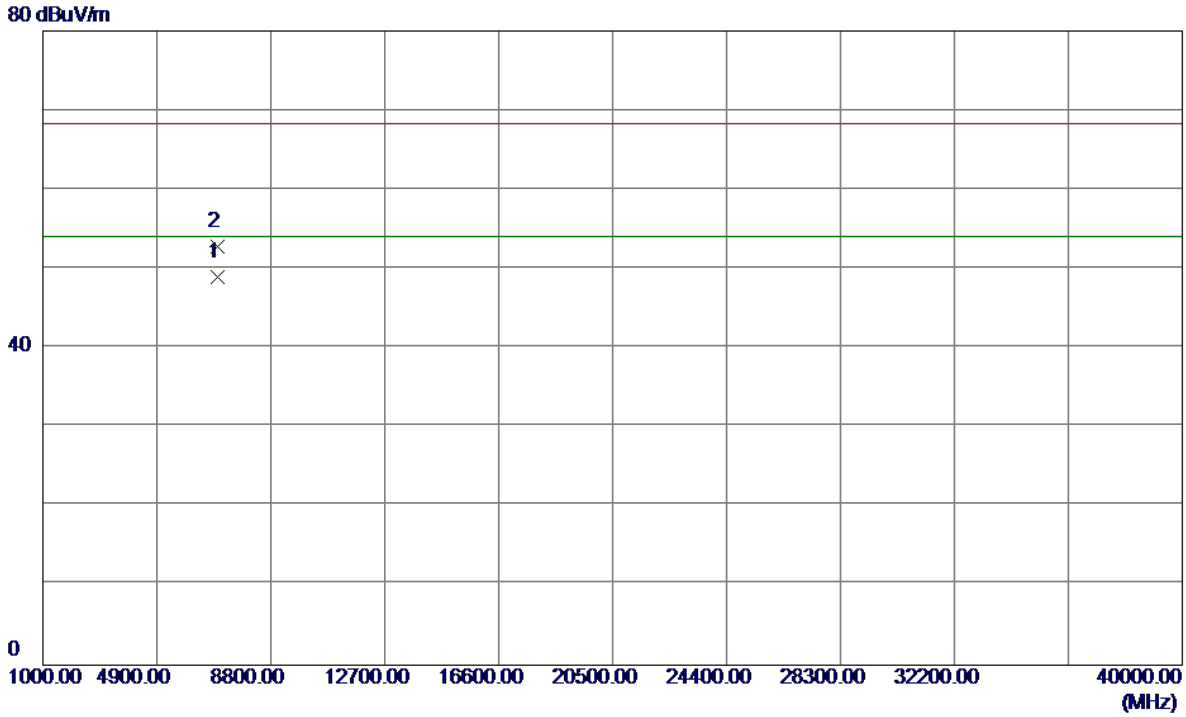
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5247.1000	63.70	41.60	105.30	68.30	37.00	Peak	No Limit
2 *	5247.9000	55.62	41.60	97.22	54.00	43.22	AVG	No Limit

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

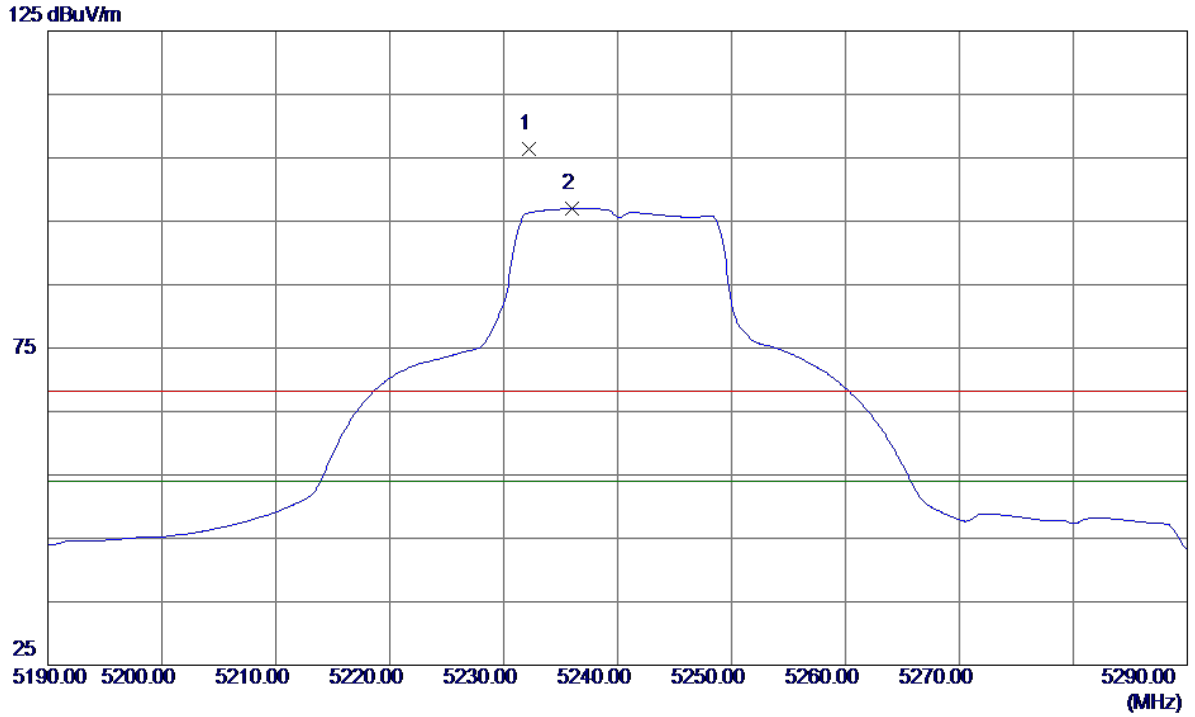
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6986.6620	36.05	12.84	48.89	54.00	-5.11	AVG	
2	6986.9520	39.94	12.84	52.78	68.30	-15.52	Peak	

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

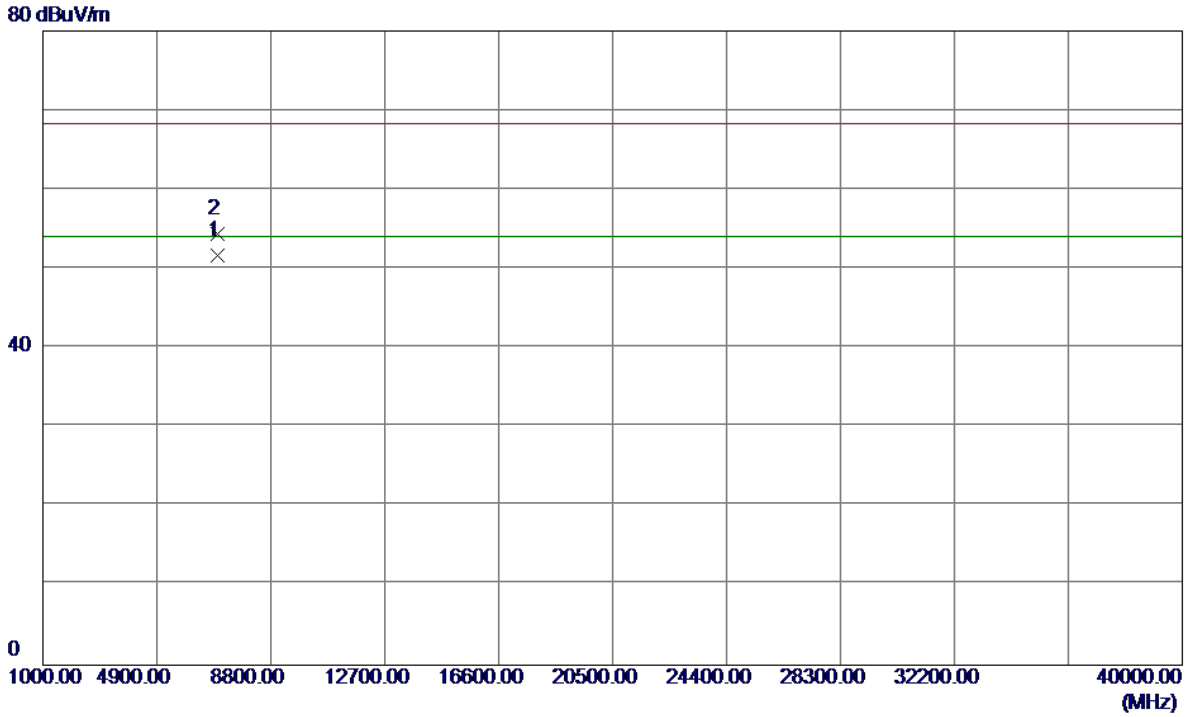
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5232.2000	64.93	41.52	106.45	68.30	38.15	Peak	No Limit
2 *	5236.0000	55.42	41.54	96.96	54.00	42.96	AVG	No Limit

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

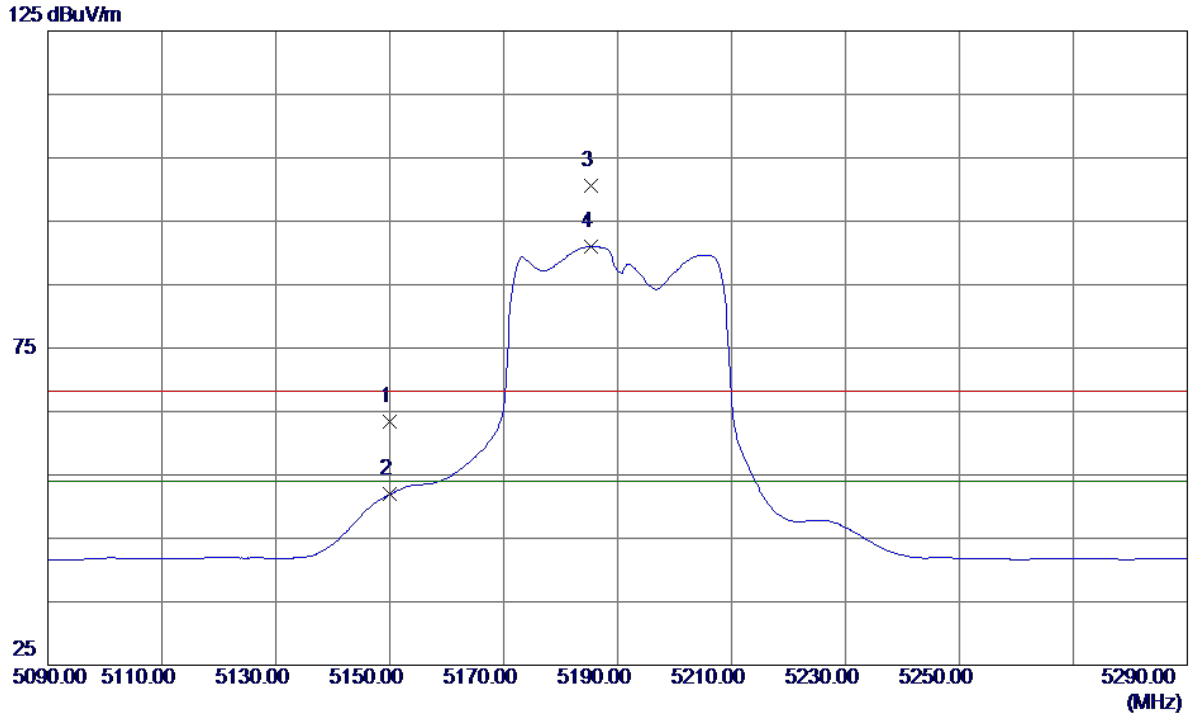
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6986.7160	38.84	12.84	51.68	54.00	-2.32	AVG	
2	6986.7820	41.56	12.84	54.40	68.30	-13.90	Peak	

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

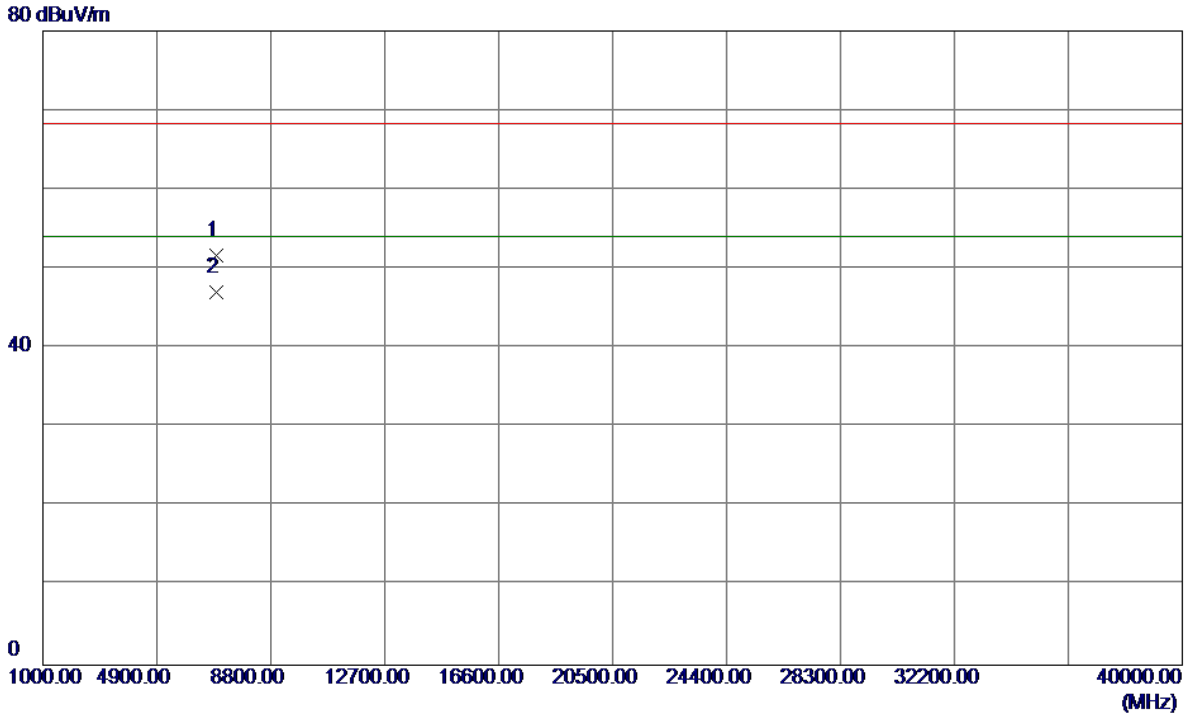
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.39	41.10	63.49	68.30	-4.81	Peak	
2	5150.0000	10.82	41.10	51.92	54.00	-2.08	AVG	
3	5185.4000	59.26	41.28	100.54	68.30	32.24	Peak	No Limit
4 *	5185.4000	49.74	41.28	91.02	54.00	37.02	AVG	No Limit

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

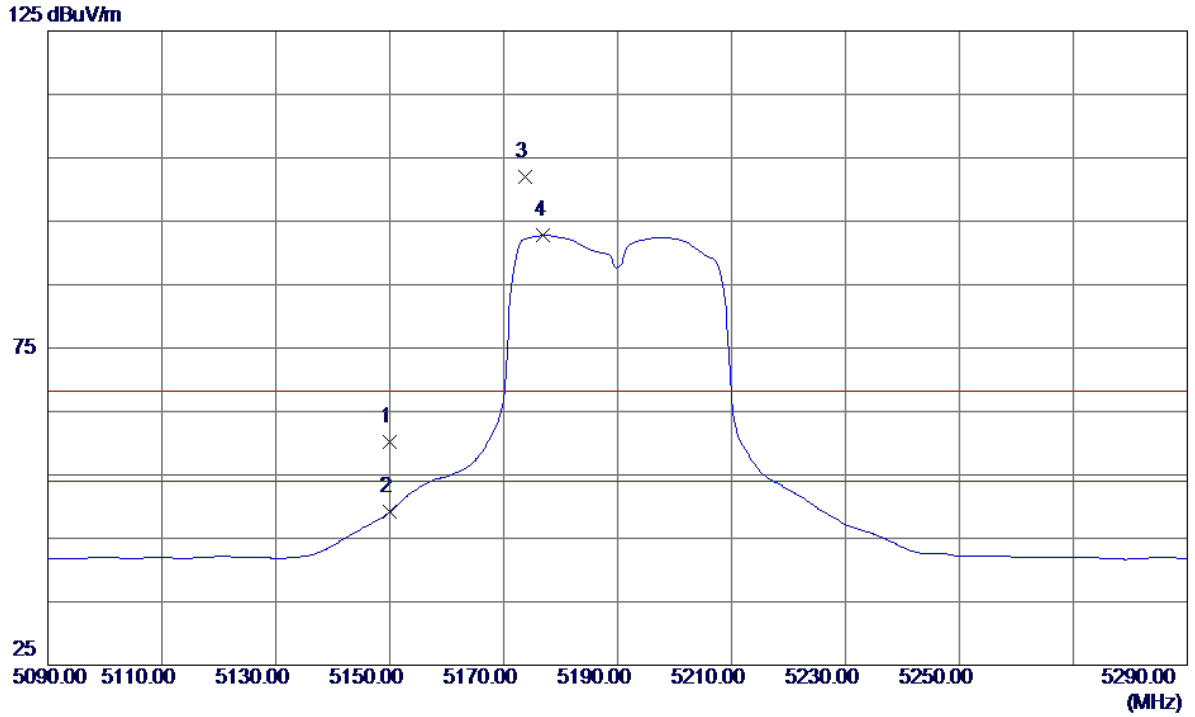
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6919.9380	38.91	12.71	51.62	68.30	-16.68	Peak	
2 *	6920.0080	34.26	12.71	46.97	54.00	-7.03	AVG	

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

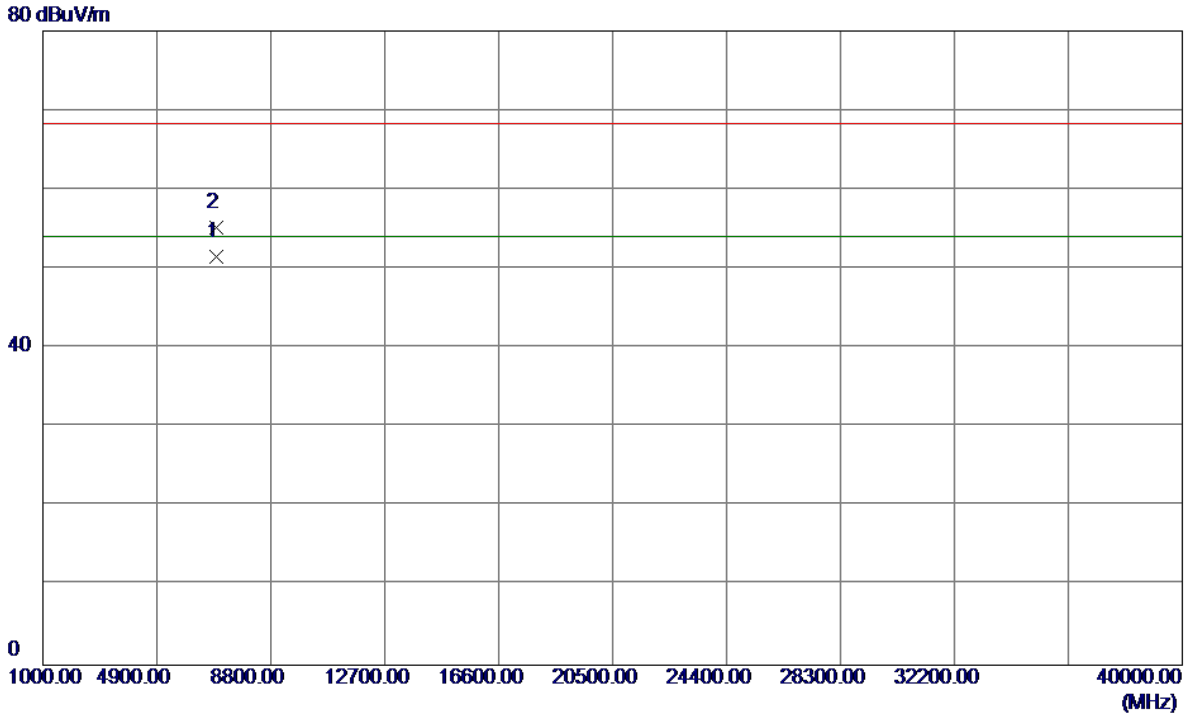
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	19.06	41.10	60.16	68.30	-8.14	Peak	
2	5150.0000	8.02	41.10	49.12	54.00	-4.88	AVG	
3	5173.8000	60.86	41.22	102.08	68.30	33.78	Peak	No Limit
4 *	5177.0000	51.49	41.24	92.73	54.00	38.73	AVG	No Limit

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

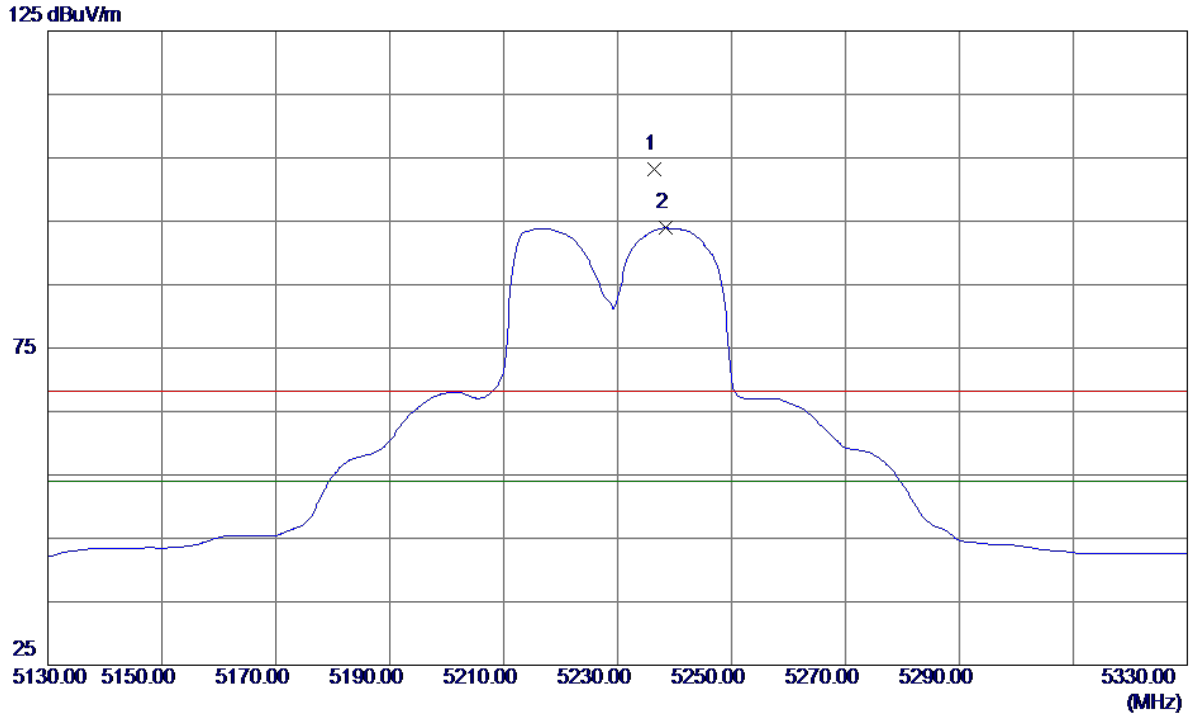
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6920.0260	38.78	12.71	51.49	54.00	-2.51	AVG	
2	6920.1060	42.44	12.71	55.15	68.30	-13.15	Peak	

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

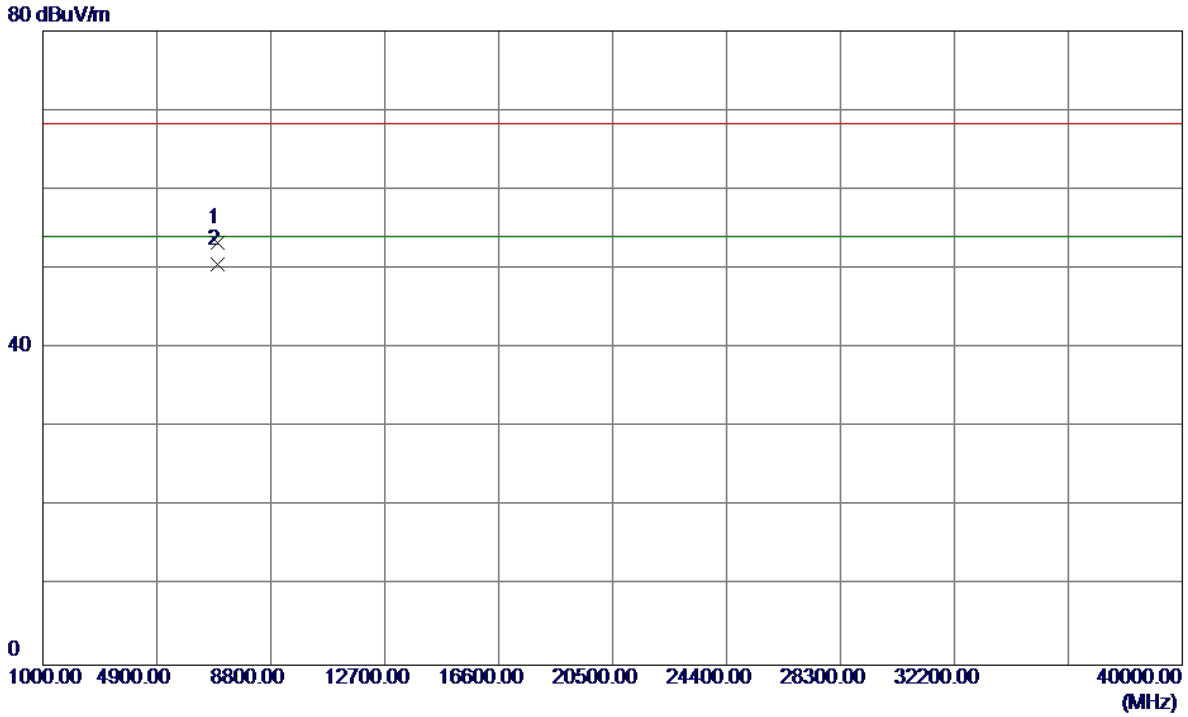
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5236.4000	61.62	41.54	103.16	68.30	34.86	Peak	No Limit
2 *	5238.4000	52.38	41.55	93.93	54.00	39.93	AVG	No Limit

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

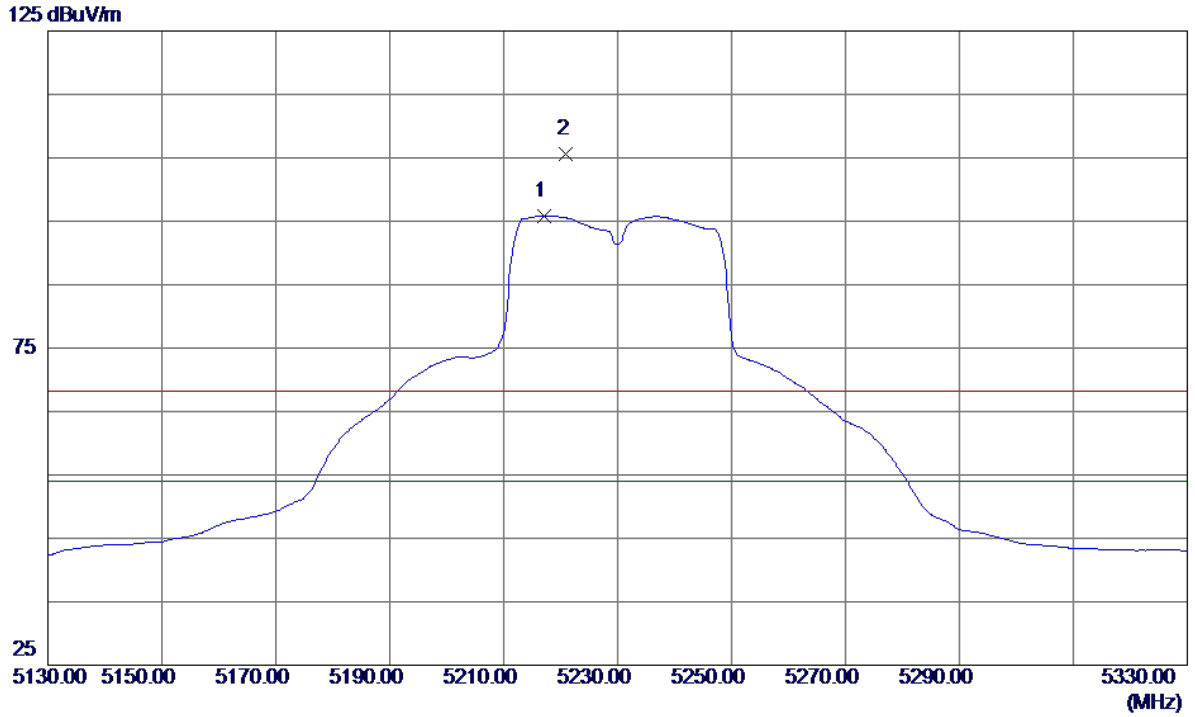
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6973.2640	40.39	12.81	53.20	68.30	-15.10	Peak	
2 *	6973.3700	37.71	12.81	50.52	54.00	-3.48	AVG	

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

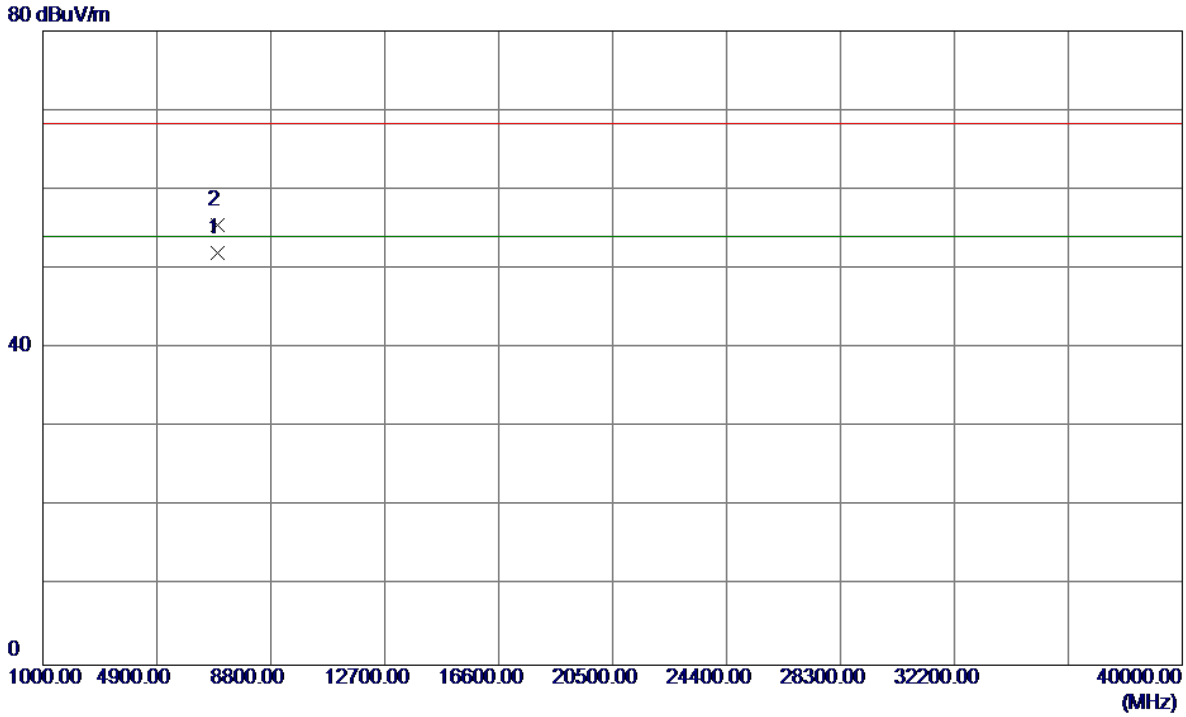
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5217.2000	54.41	41.44	95.85	54.00	41.85	AVG	No Limit
2	5221.0000	64.19	41.46	105.65	68.30	37.35	Peak	No Limit

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

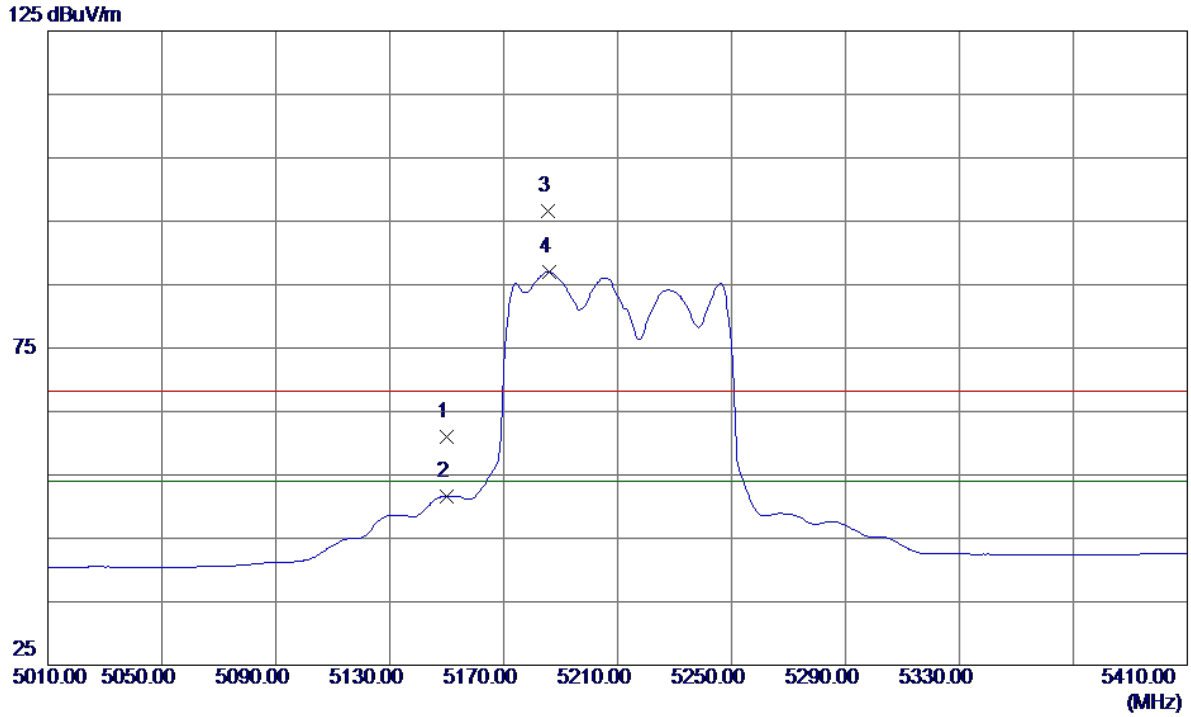
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6973.3660	39.19	12.81	52.00	54.00	-2.00	AVG	
2	6973.5060	42.71	12.81	55.52	68.30	-12.78	Peak	

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

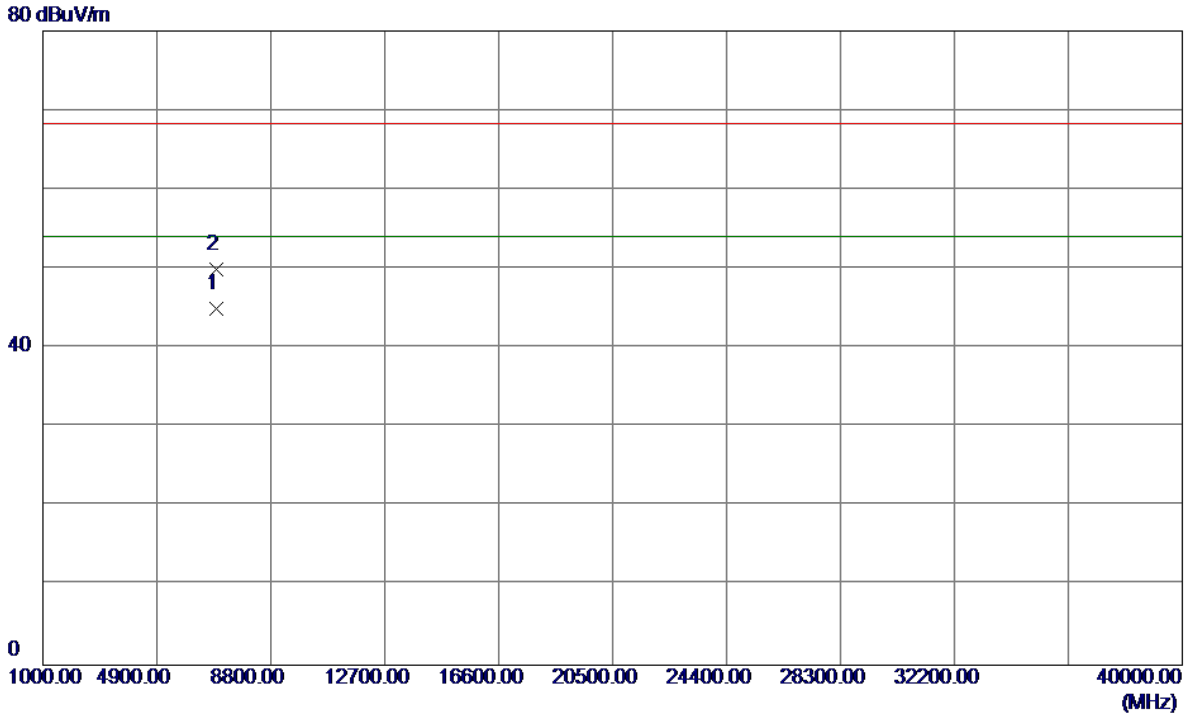
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	19.96	41.10	61.06	68.30	-7.24	Peak	
2	5150.0000	10.53	41.10	51.63	54.00	-2.37	AVG	
3	5185.4000	55.25	41.28	96.53	68.30	28.23	Peak	No Limit
4 *	5186.0000	45.71	41.28	86.99	54.00	32.99	AVG	No Limit

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

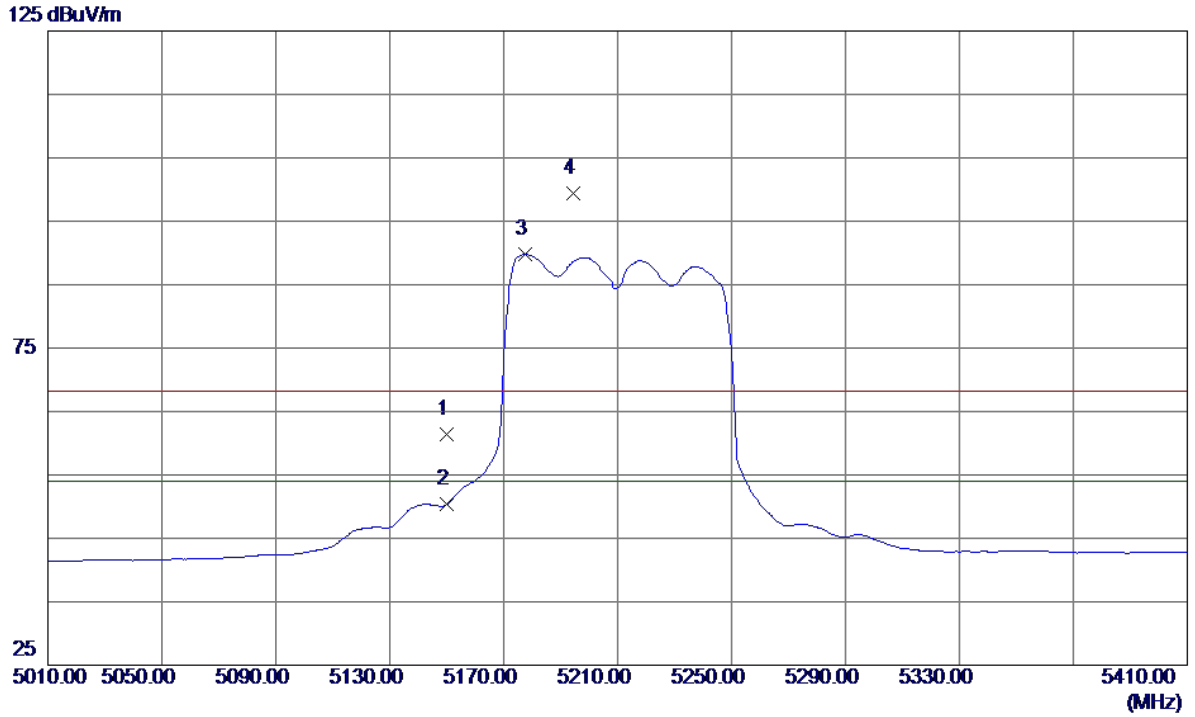
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6946.6140	32.27	12.76	45.03	54.00	-8.97	AVG	
2	6946.7160	37.22	12.76	49.98	68.30	-18.32	Peak	

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

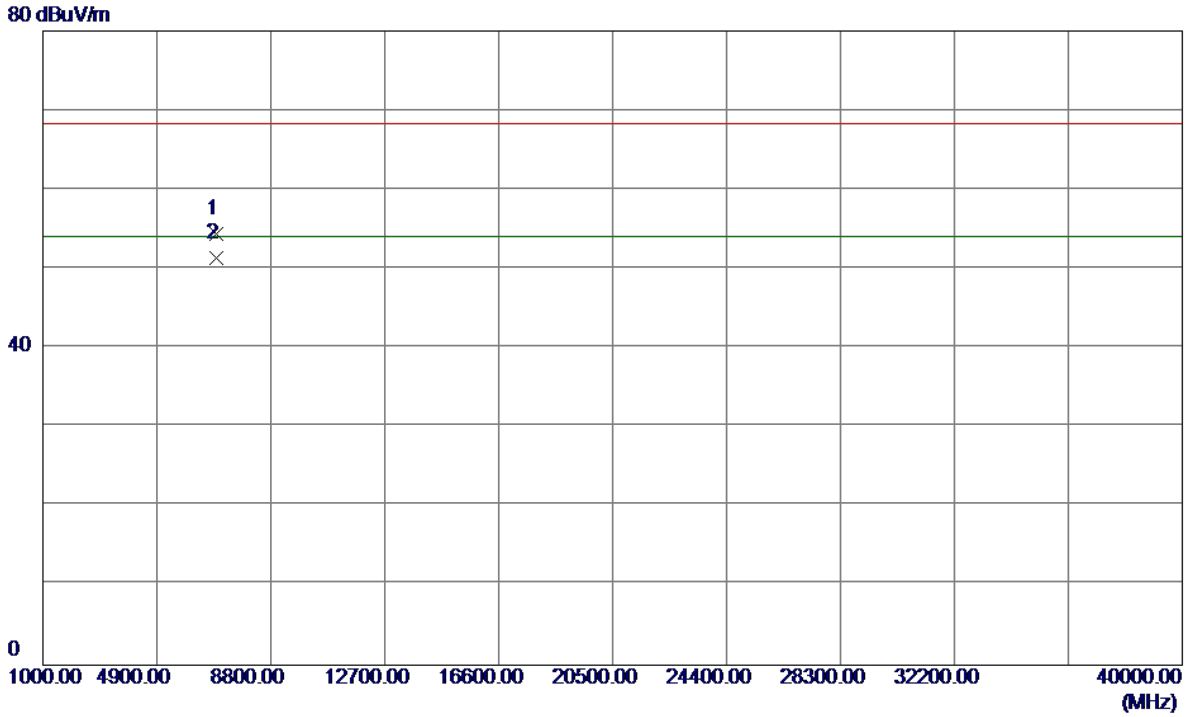
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.35	41.10	61.45	68.30	-6.85	Peak	
2	5150.0000	9.23	41.10	50.33	54.00	-3.67	AVG	
3 *	5177.6000	48.52	41.24	89.76	54.00	35.76	AVG	No Limit
4	5194.4000	58.14	41.33	99.47	68.30	31.17	Peak	No Limit

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

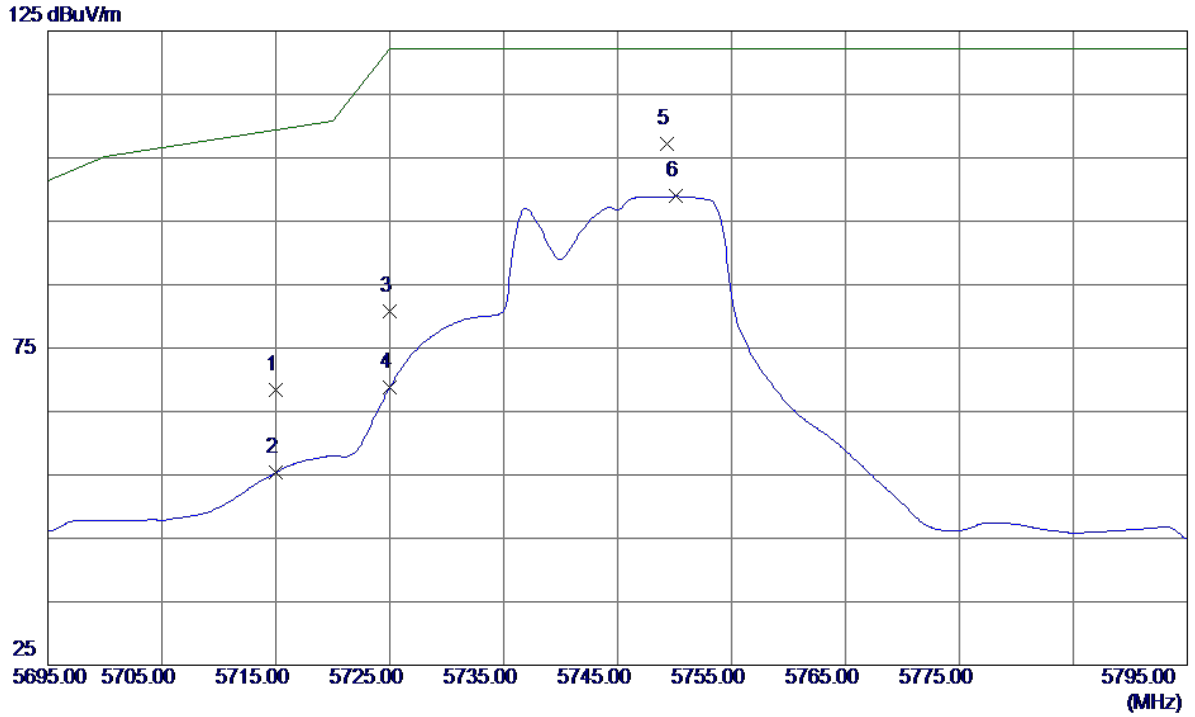
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6946.6320	41.57	12.76	54.33	68.30	-13.97	Peak	
2 *	6946.7600	38.53	12.76	51.29	54.00	-2.71	AVG	

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

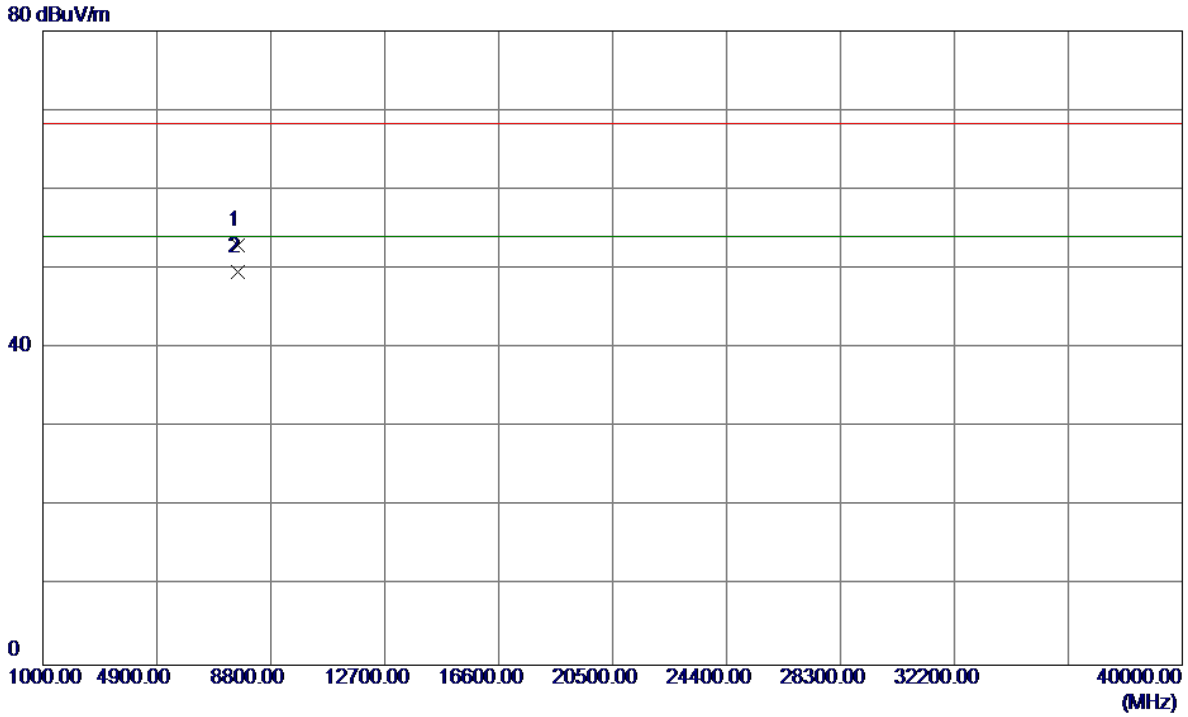
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	24.78	43.53	68.31	109.40	-41.09	Peak	
2	5715.0000	11.85	43.53	55.38	109.40	-54.02	AVG	
3	5725.0000	37.20	43.56	80.76	122.20	-41.44	Peak	
4	5725.0000	25.30	43.56	68.86	122.20	-53.34	AVG	
5 *	5749.3000	63.59	43.63	107.22	122.20	-14.98	Peak	
6	5750.1000	55.27	43.64	98.91	122.20	-23.29	AVG	

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

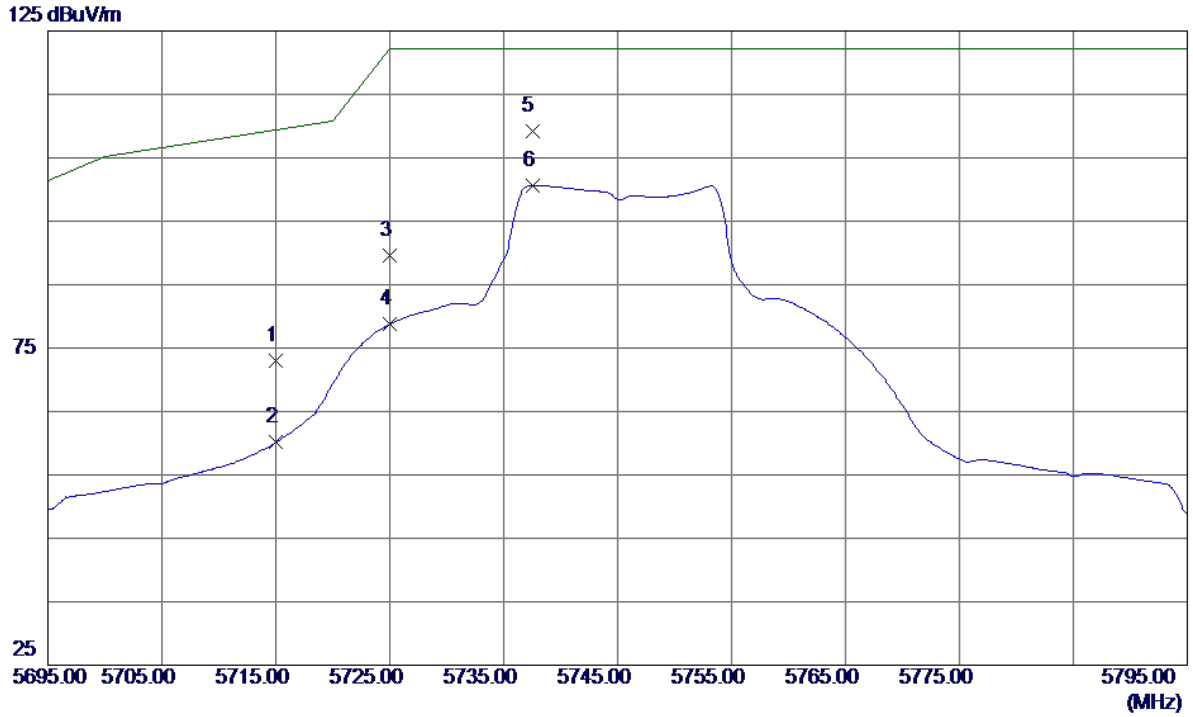
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7660.0550	39.12	13.82	52.94	68.30	-15.36	Peak	
2 *	7660.0750	35.74	13.82	49.56	54.00	-4.44	AVG	

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

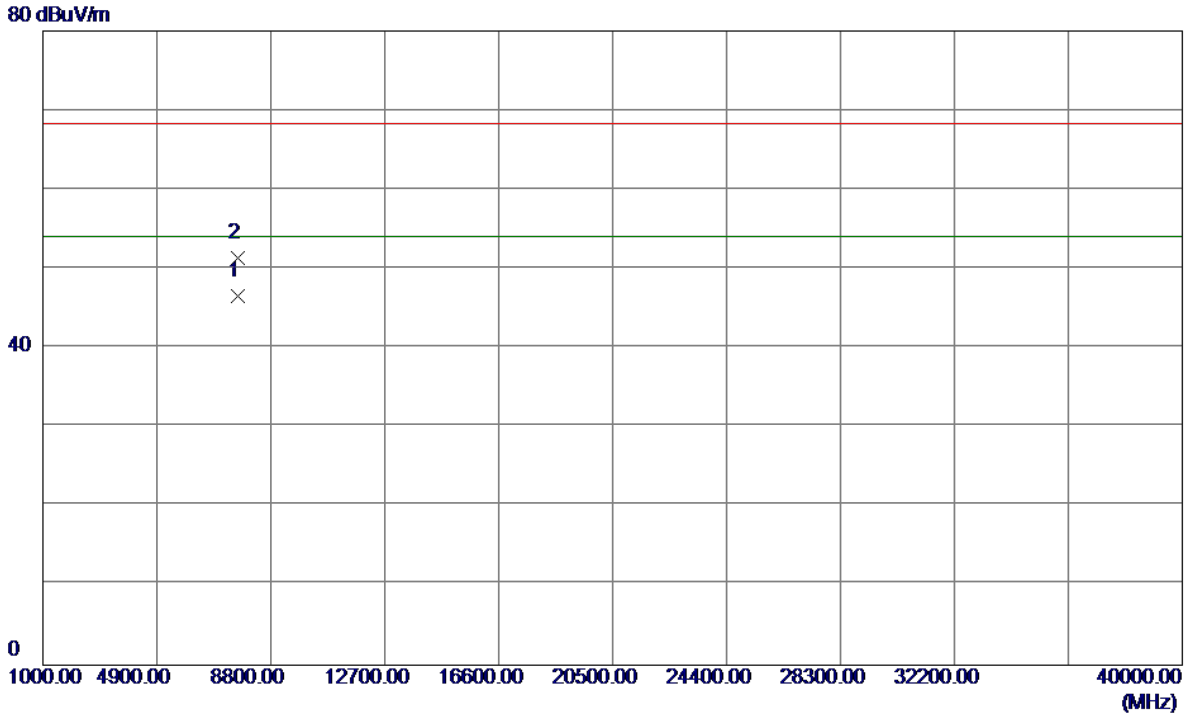
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	29.38	43.53	72.91	109.40	-36.49	Peak	
2	5715.0000	16.58	43.53	60.11	109.40	-49.29	AVG	
3	5725.0000	45.99	43.56	89.55	122.20	-32.65	Peak	
4	5725.0000	35.21	43.56	78.77	122.20	-43.43	AVG	
5 *	5737.5000	65.53	43.60	109.13	122.20	-13.07	Peak	
6	5737.6000	57.00	43.60	100.60	122.20	-21.60	AVG	

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

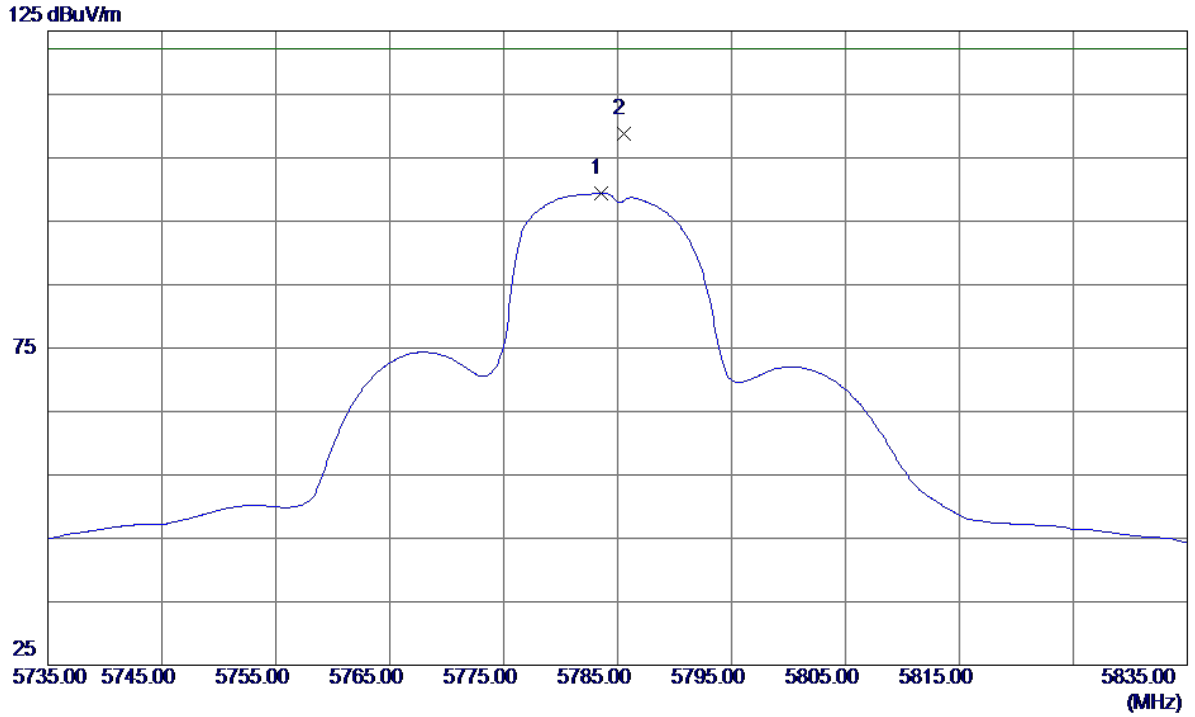
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7660.0300	32.73	13.82	46.55	54.00	-7.45	AVG	
2	7660.1000	37.55	13.82	51.37	68.30	-16.93	Peak	

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

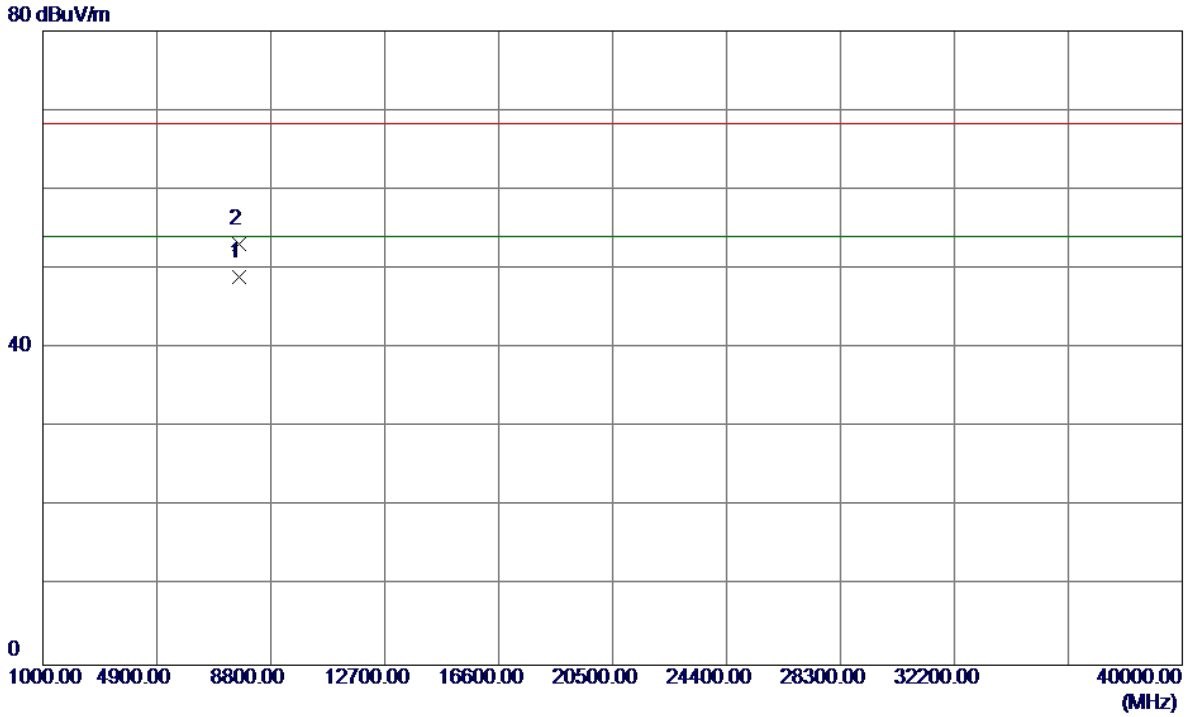
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5783.5000	55.62	43.74	99.36	122.20	-22.84	AVG	
2 *	5785.5000	65.11	43.74	108.85	122.20	-13.35	Peak	

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

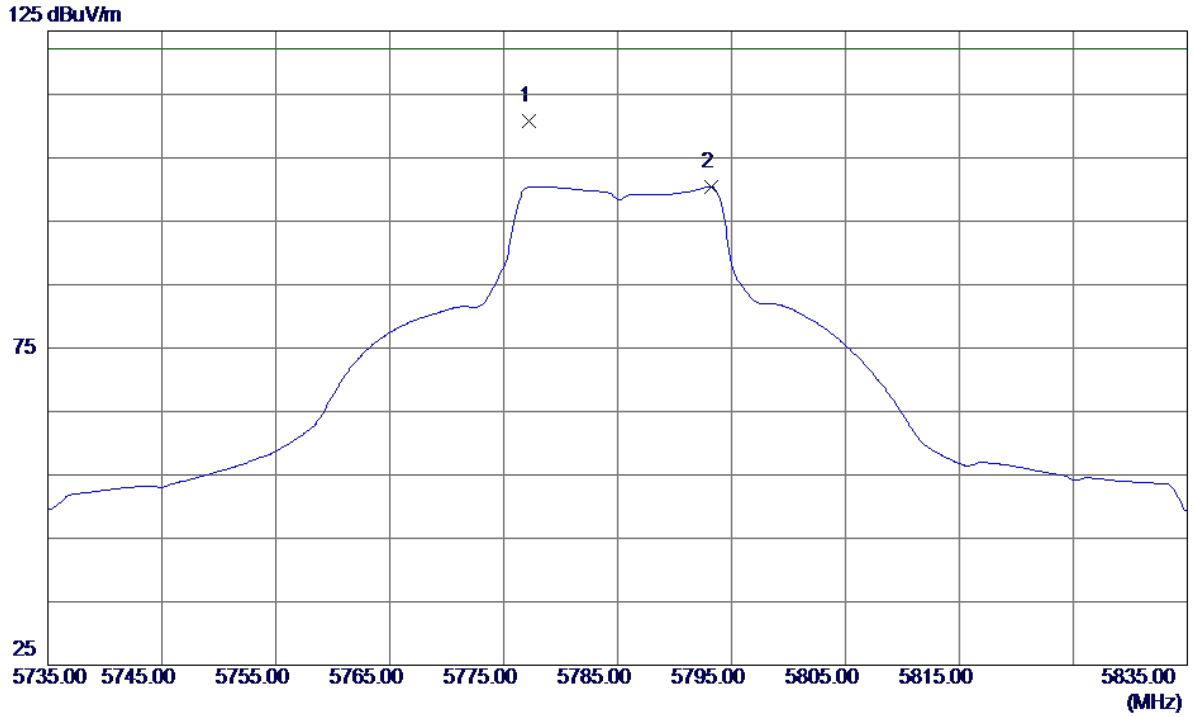
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7713.4850	35.09	13.87	48.96	54.00	-5.04	AVG	
2	7713.5800	39.24	13.87	53.11	68.30	-15.19	Peak	

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

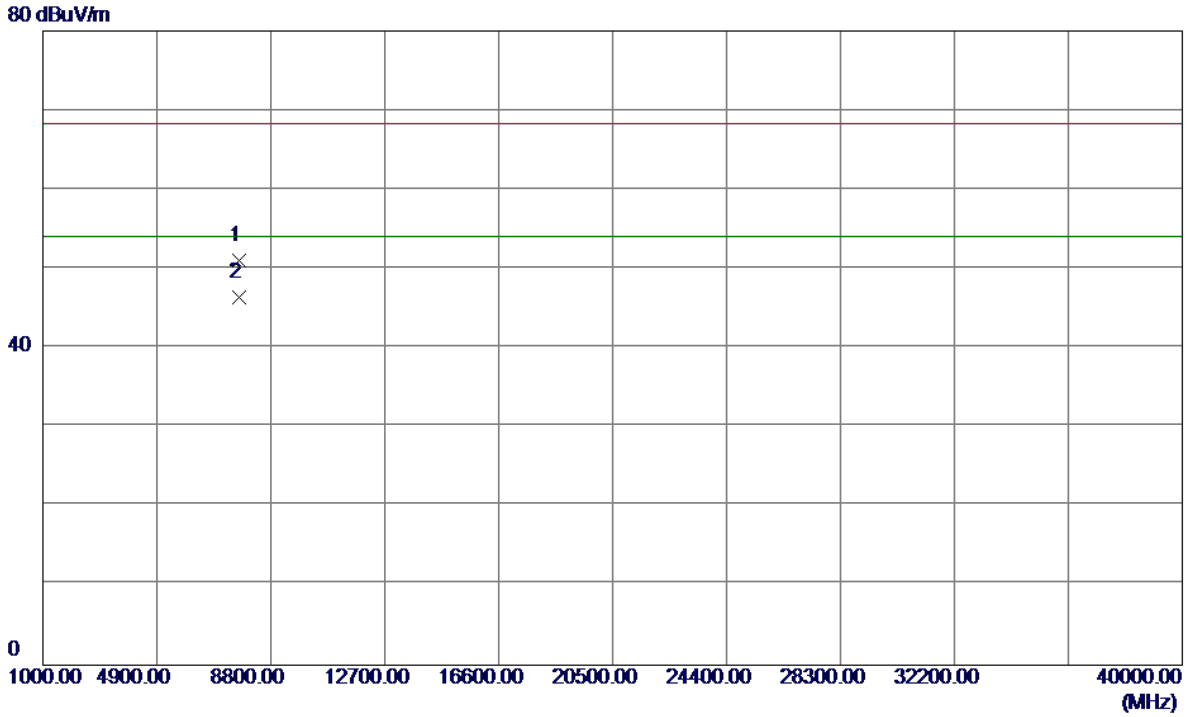
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5777.2000	67.04	43.72	110.76	122.20	-11.44	Peak	
2	5793.2000	56.69	43.77	100.46	122.20	-21.74	AVG	

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

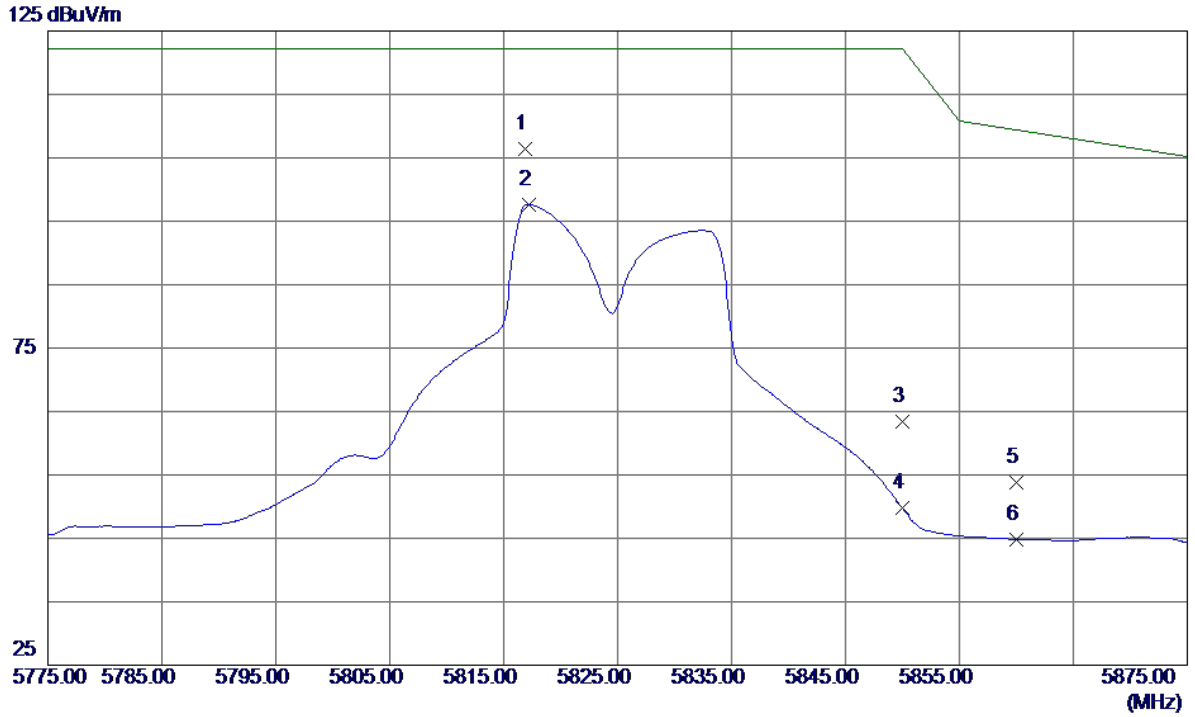
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7713.4050	37.13	13.87	51.00	68.30	-17.30	Peak	
2 *	7713.4300	32.48	13.87	46.35	54.00	-7.65	AVG	

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

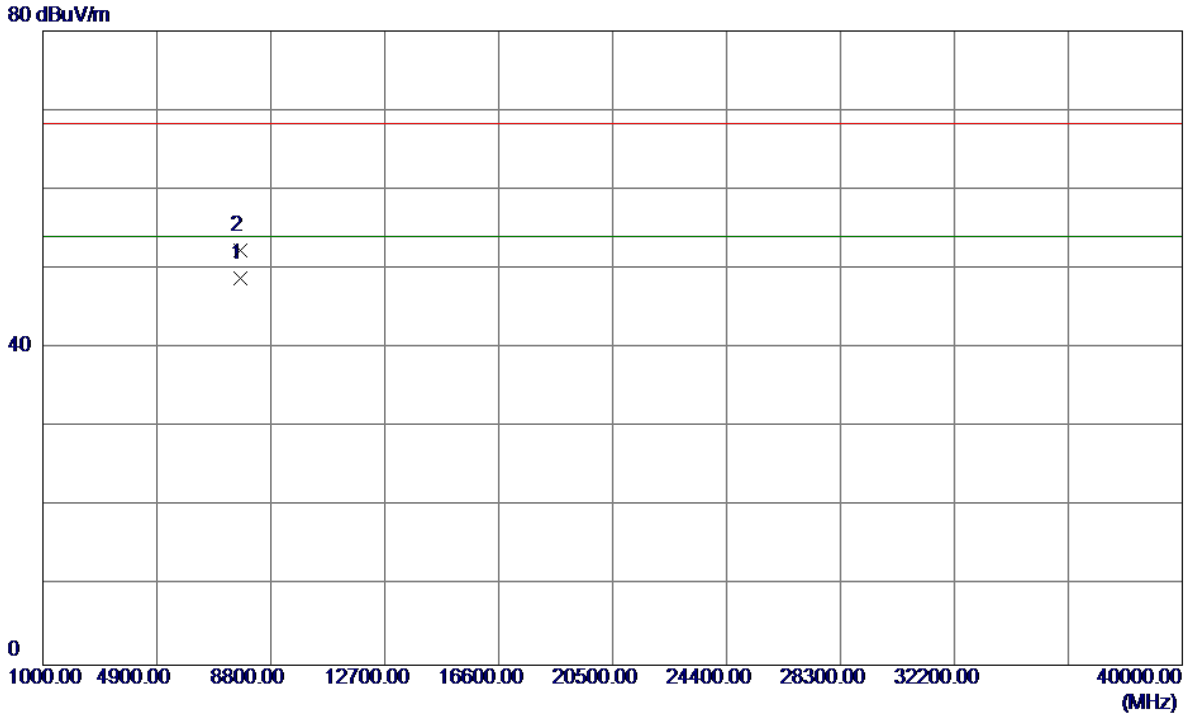
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5816.9000	62.60	43.84	106.44	122.20	-15.76	Peak	
2	5817.2000	53.82	43.84	97.66	122.20	-24.54	AVG	
3	5850.0000	19.38	43.94	63.32	122.20	-58.88	Peak	
4	5850.0000	5.80	43.94	49.74	122.20	-72.46	AVG	
5	5860.0000	9.79	43.97	53.76	109.40	-55.64	Peak	
6	5860.0000	0.88	43.97	44.85	109.40	-64.55	AVG	

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

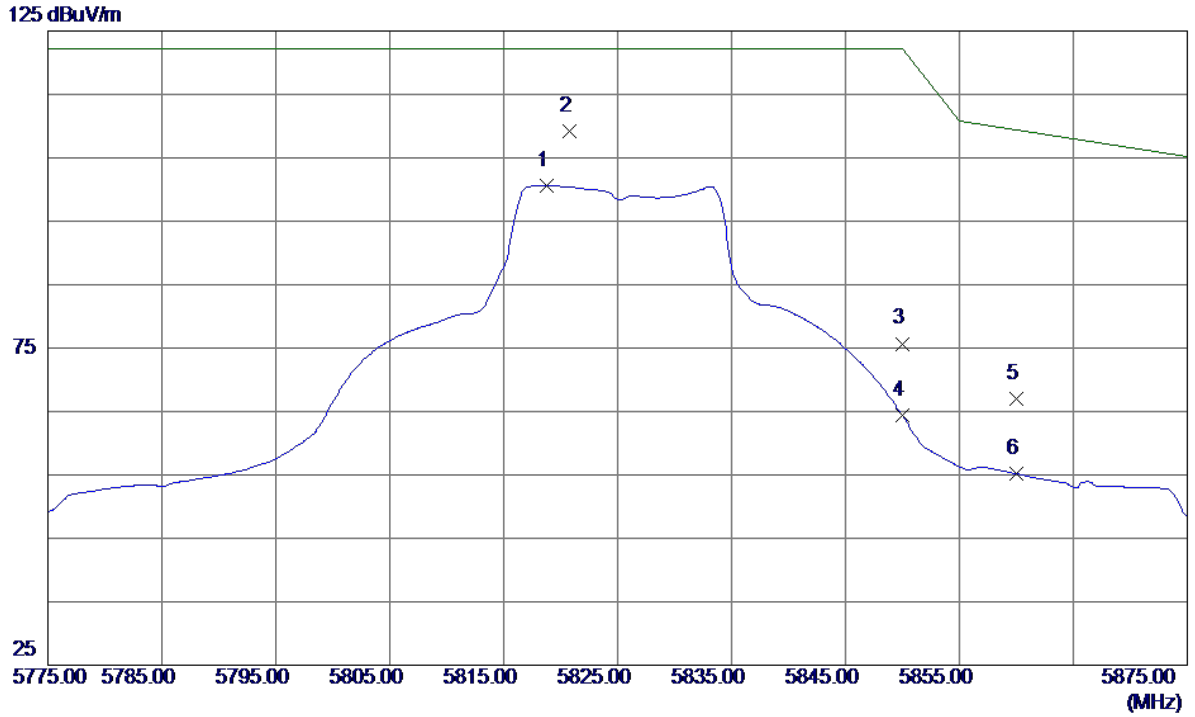
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7766.7700	34.89	13.92	48.81	54.00	-5.19	AVG	
2	7766.9500	38.42	13.92	52.34	68.30	-15.96	Peak	

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

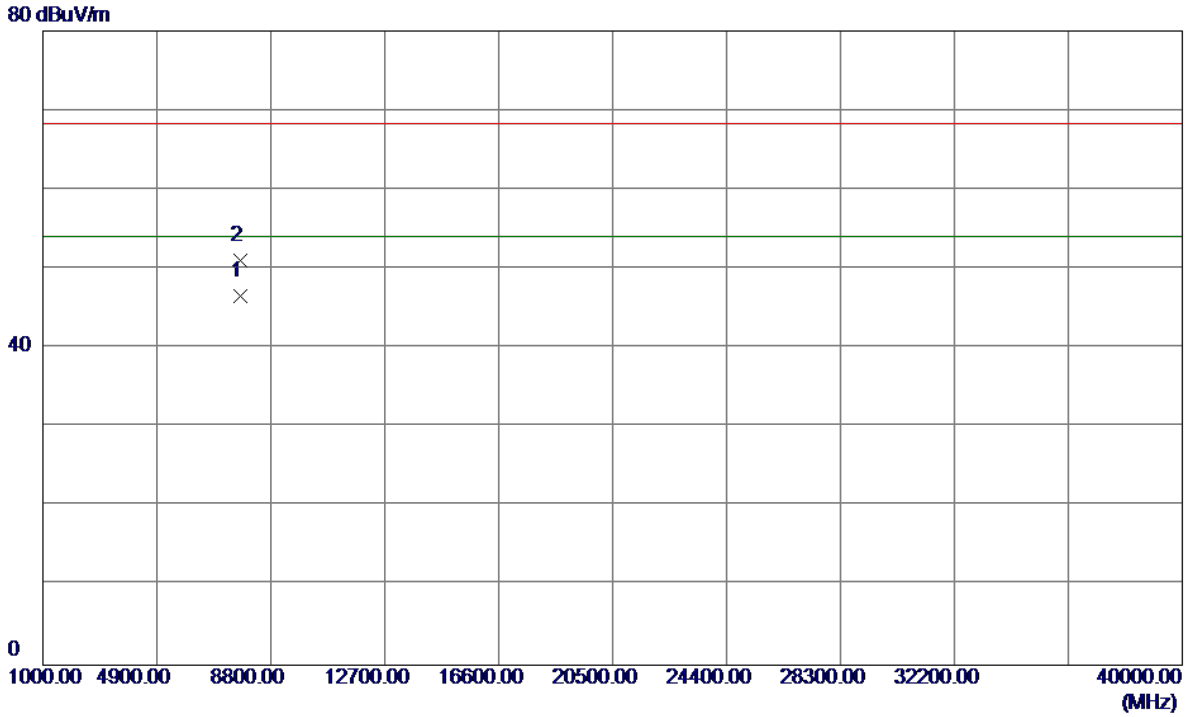
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5818.8000	56.75	43.84	100.59	122.20	-21.61	AVG	
2 *	5820.8000	65.26	43.85	109.11	122.20	-13.09	Peak	
3	5850.0000	31.76	43.94	75.70	122.20	-46.50	Peak	
4	5850.0000	20.41	43.94	64.35	122.20	-57.85	AVG	
5	5860.0000	23.12	43.97	67.09	109.40	-42.31	Peak	
6	5860.0000	11.21	43.97	55.18	109.40	-54.22	AVG	

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

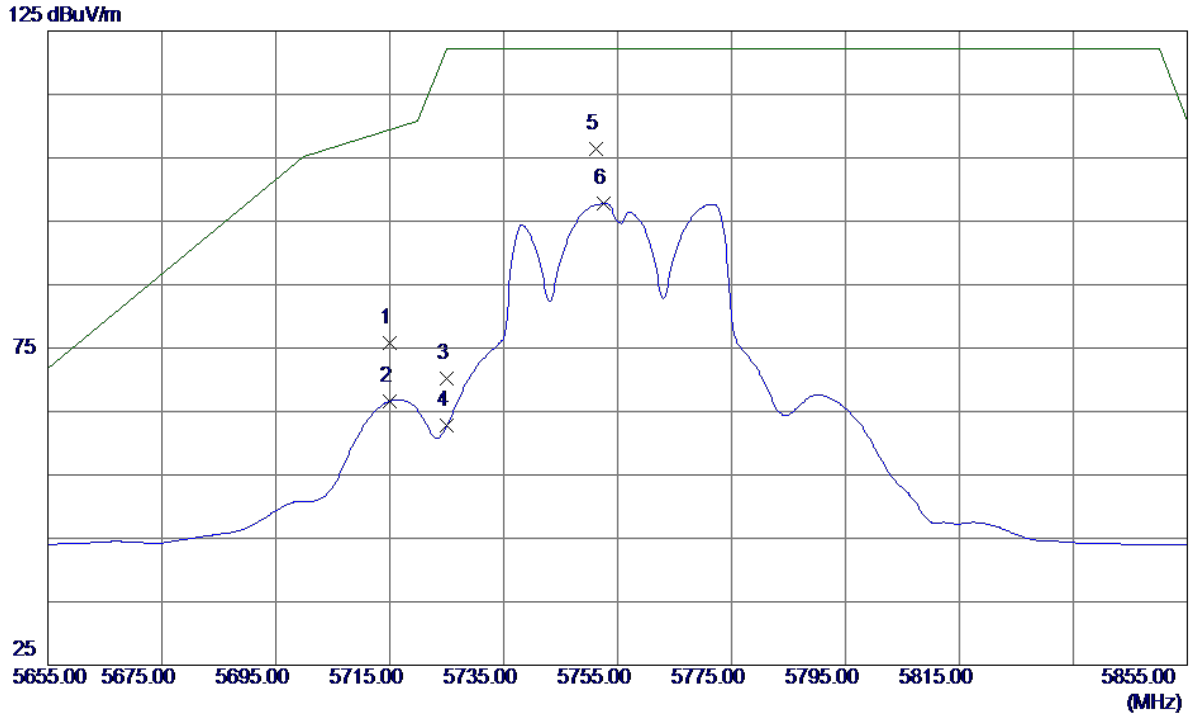
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7766.7300	32.64	13.92	46.56	54.00	-7.44	AVG	
2	7766.8450	37.14	13.92	51.06	68.30	-17.24	Peak	

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

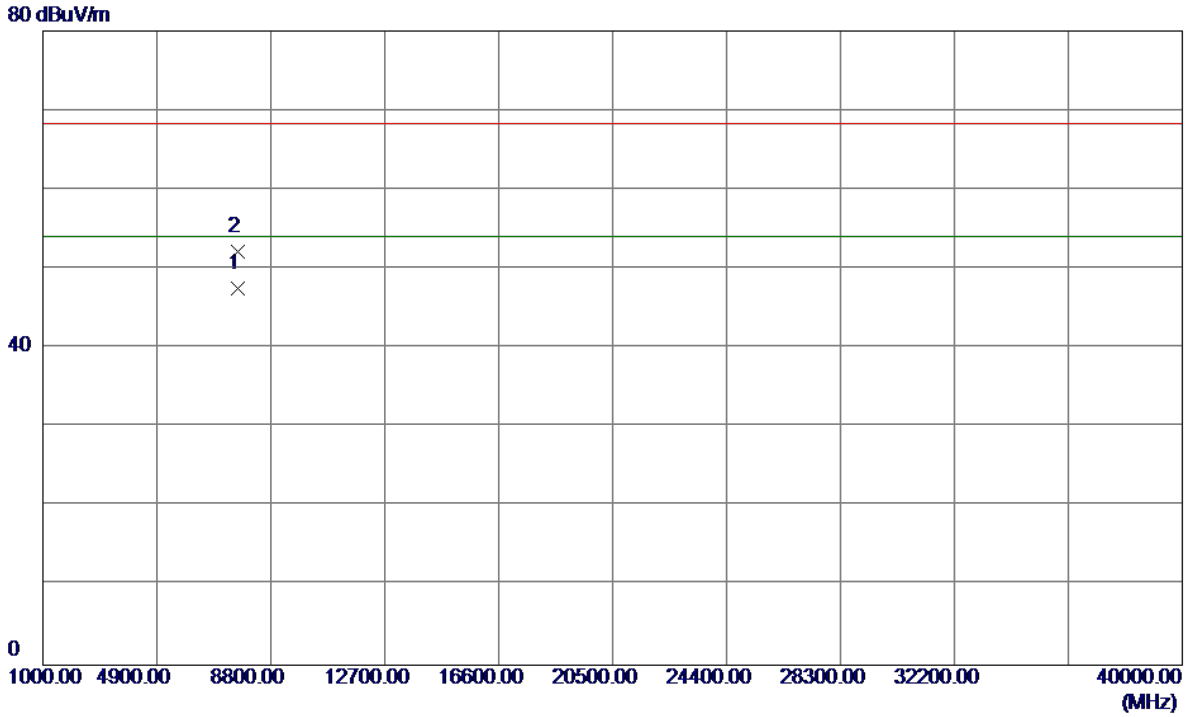
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	32.22	43.53	75.75	109.40	-33.65	Peak	
2	5715.0000	23.08	43.53	66.61	109.40	-42.79	AVG	
3	5725.0000	26.67	43.56	70.23	122.20	-51.97	Peak	
4	5725.0000	19.15	43.56	62.71	122.20	-59.49	AVG	
5 *	5751.2000	62.71	43.64	106.35	122.20	-15.85	Peak	
6	5752.6000	54.10	43.64	97.74	122.20	-24.46	AVG	

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

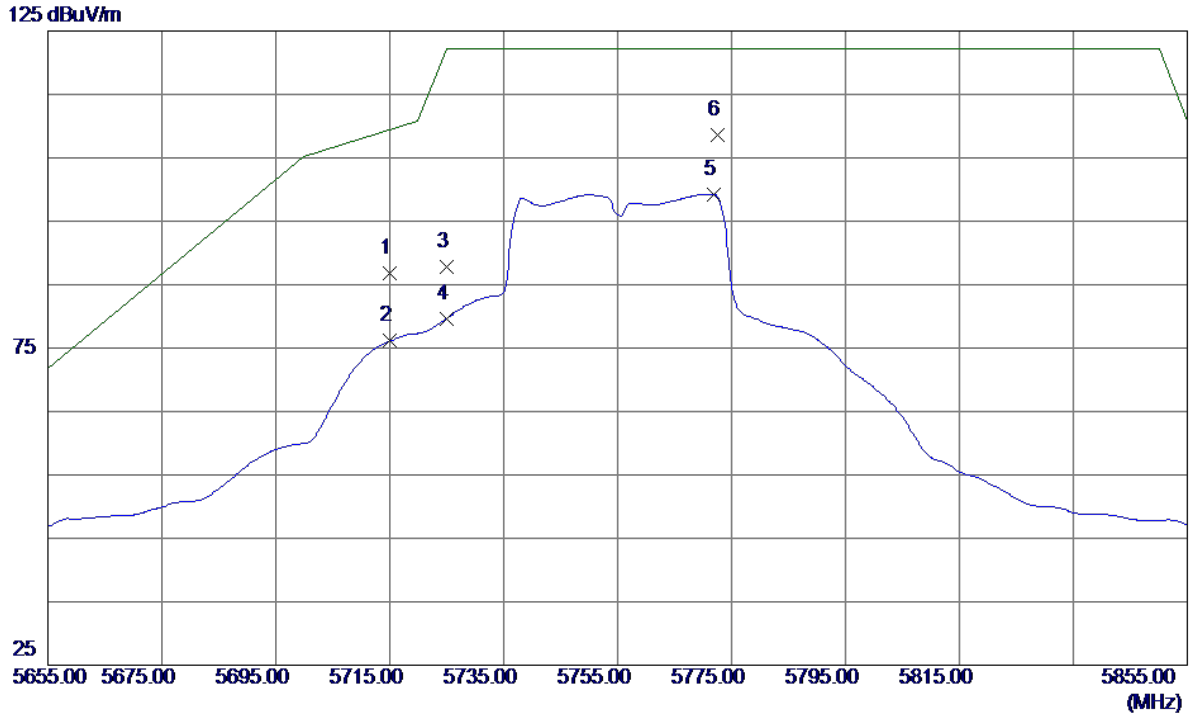
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7673.3500	33.73	13.84	47.57	54.00	-6.43	AVG	
2	7673.4640	38.25	13.84	52.09	68.30	-16.21	Peak	

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

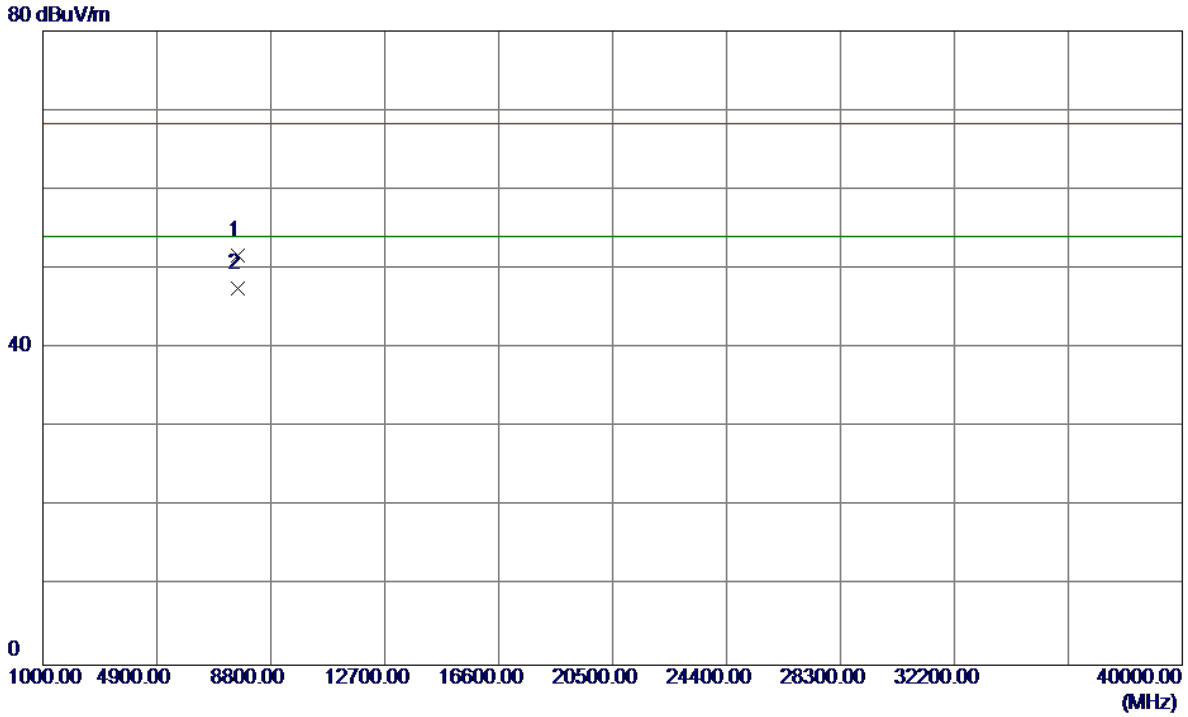
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	43.21	43.53	86.74	109.40	-22.66	Peak	
2	5715.0000	32.58	43.53	76.11	109.40	-33.29	AVG	
3	5725.0000	44.29	43.56	87.85	122.20	-34.35	Peak	
4	5725.0000	36.11	43.56	79.67	122.20	-42.53	AVG	
5	5771.8000	55.56	43.70	99.26	122.20	-22.94	AVG	
6 *	5772.6000	64.82	43.70	108.52	122.20	-13.68	Peak	

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

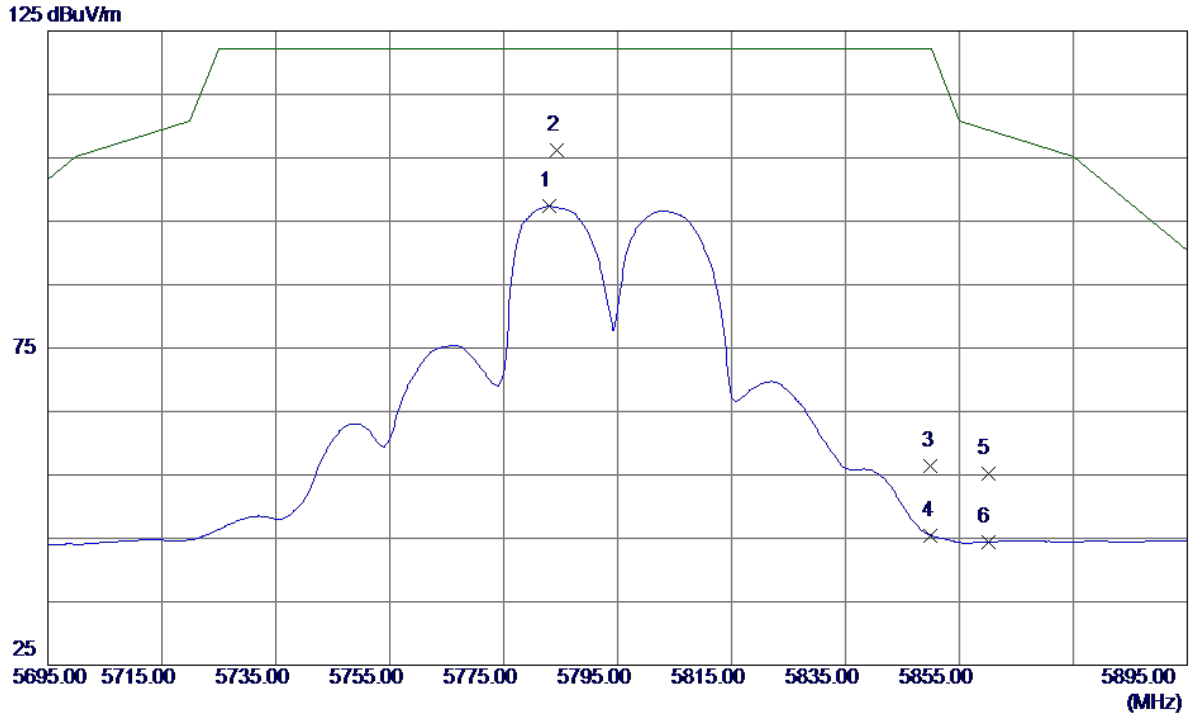
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7673.3460	37.87	13.84	51.71	68.30	-16.59	Peak	
2 *	7673.3640	33.63	13.84	47.47	54.00	-6.53	AVG	

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

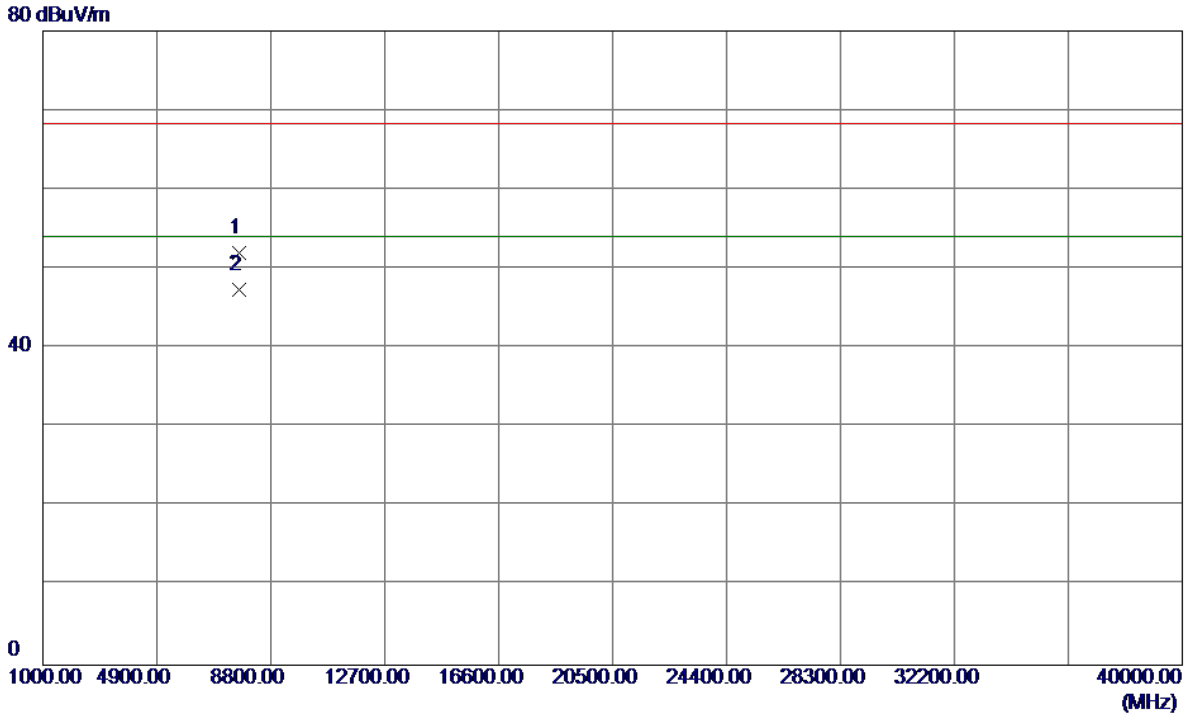
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5783.0000	53.59	43.73	97.32	122.20	-24.88	AVG	
2 *	5784.4000	62.55	43.74	106.29	122.20	-15.91	Peak	
3	5850.0000	12.39	43.94	56.33	122.20	-65.87	Peak	
4	5850.0000	1.50	43.94	45.44	122.20	-76.76	AVG	
5	5860.0000	11.15	43.97	55.12	109.40	-54.28	Peak	
6	5860.0000	0.45	43.97	44.42	109.40	-64.98	AVG	

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

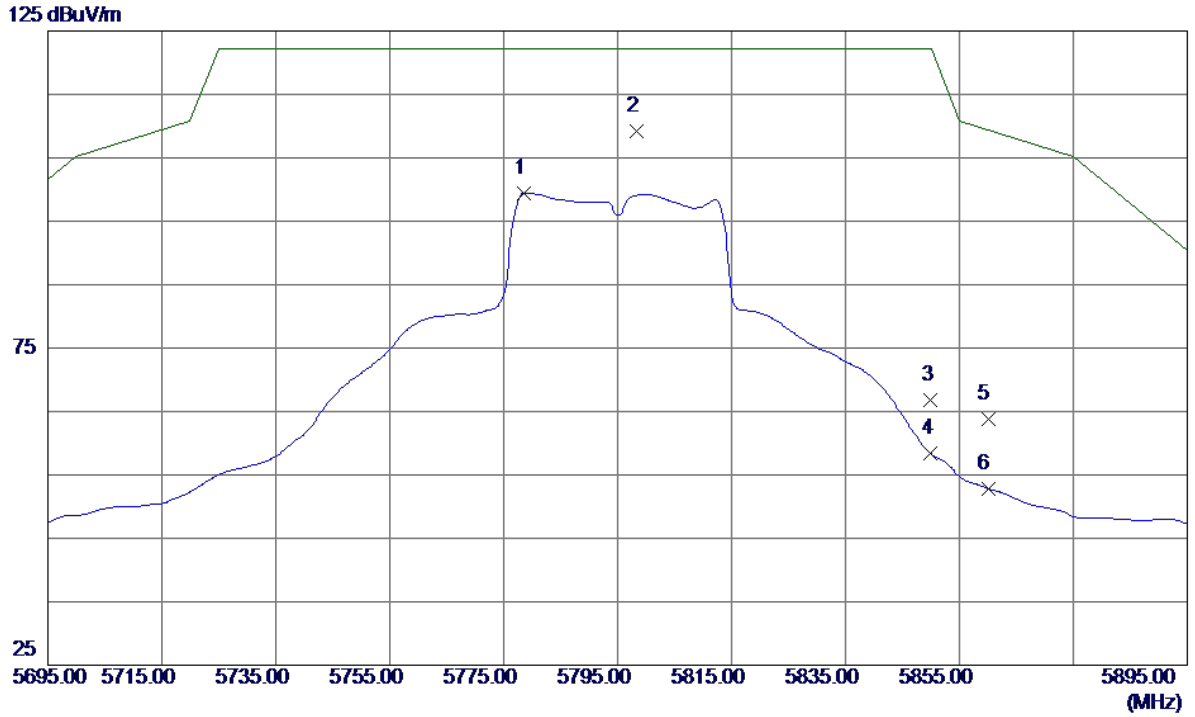
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7726.6760	38.10	13.88	51.98	68.30	-16.32	Peak	
2 *	7726.6940	33.48	13.88	47.36	54.00	-6.64	AVG	

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

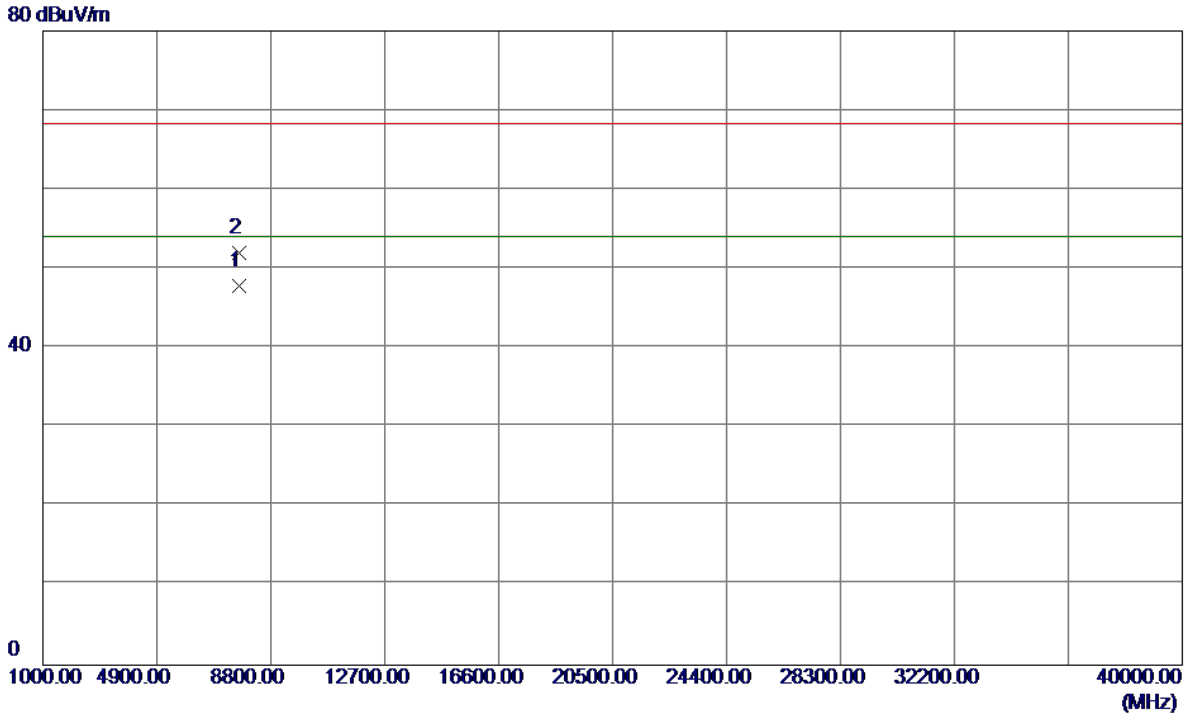
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5778.6000	55.71	43.72	99.43	122.20	-22.77	AVG	
2 *	5798.4000	65.34	43.78	109.12	122.20	-13.08	Peak	
3	5850.0000	22.90	43.94	66.84	122.20	-55.36	Peak	
4	5850.0000	14.42	43.94	58.36	122.20	-63.84	AVG	
5	5860.0000	19.84	43.97	63.81	109.40	-45.59	Peak	
6	5860.0000	8.89	43.97	52.86	109.40	-56.54	AVG	

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

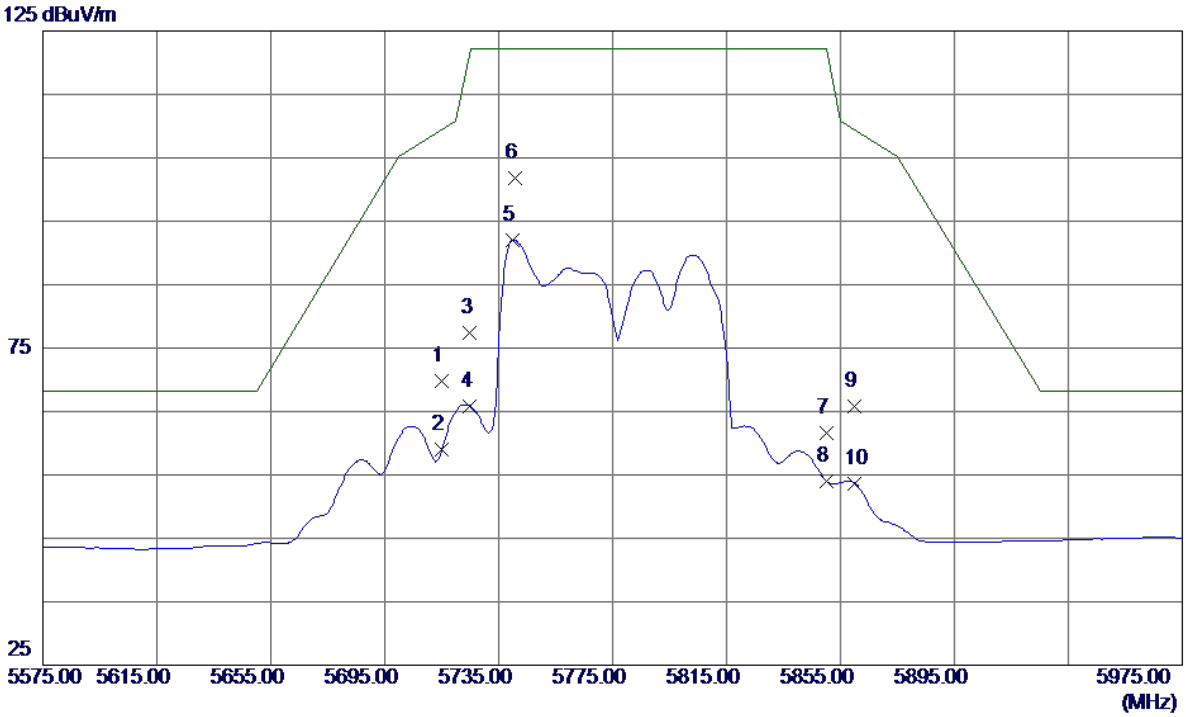
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7726.6480	33.89	13.88	47.77	54.00	-6.23	AVG	
2	7726.7840	38.15	13.88	52.03	68.30	-16.27	Peak	

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

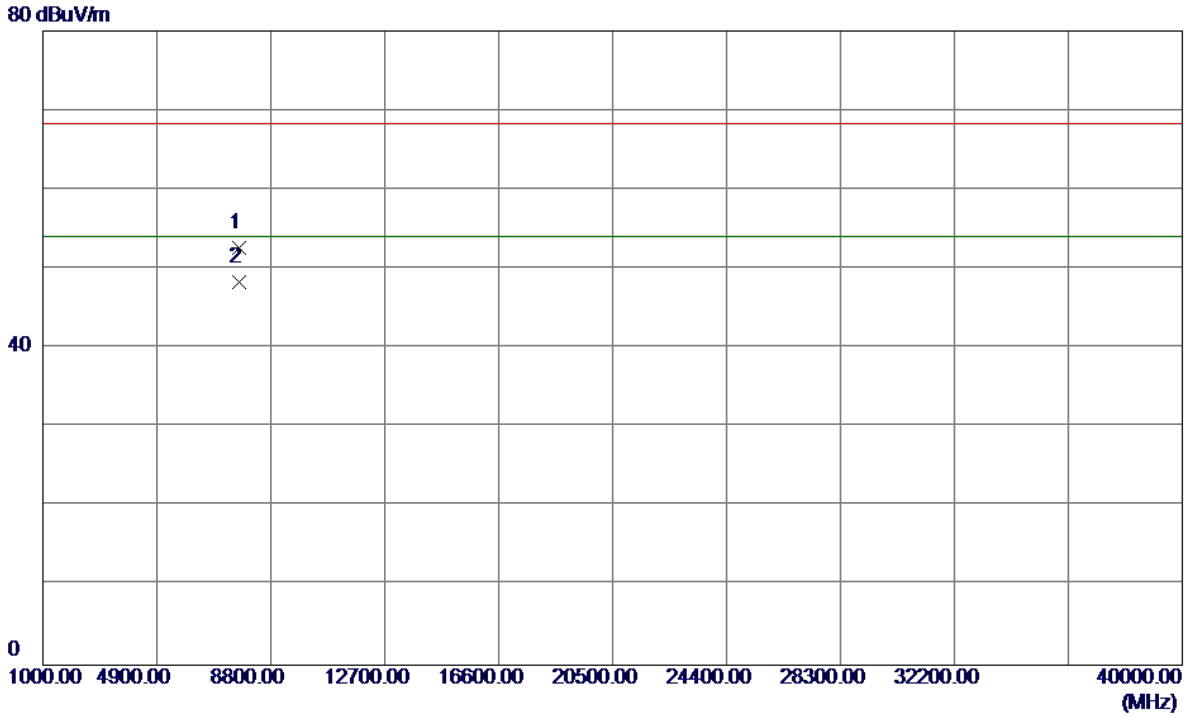
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	26.34	43.53	69.87	109.40	-39.53	Peak	
2	5715.0000	15.44	43.53	58.97	109.40	-50.43	AVG	
3	5725.0000	33.81	43.56	77.37	122.20	-44.83	Peak	
4	5725.0000	22.28	43.56	65.84	122.20	-56.36	AVG	
5	5739.8000	48.44	43.60	92.04	122.20	-30.16	AVG	
6 *	5740.6000	58.13	43.61	101.74	122.20	-20.46	Peak	
7	5850.0000	17.63	43.94	61.57	122.20	-60.63	Peak	
8	5850.0000	10.03	43.94	53.97	122.20	-68.23	AVG	
9	5860.0000	21.86	43.97	65.83	109.40	-43.57	Peak	
10	5860.0000	9.68	43.97	53.65	109.40	-55.75	AVG	

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

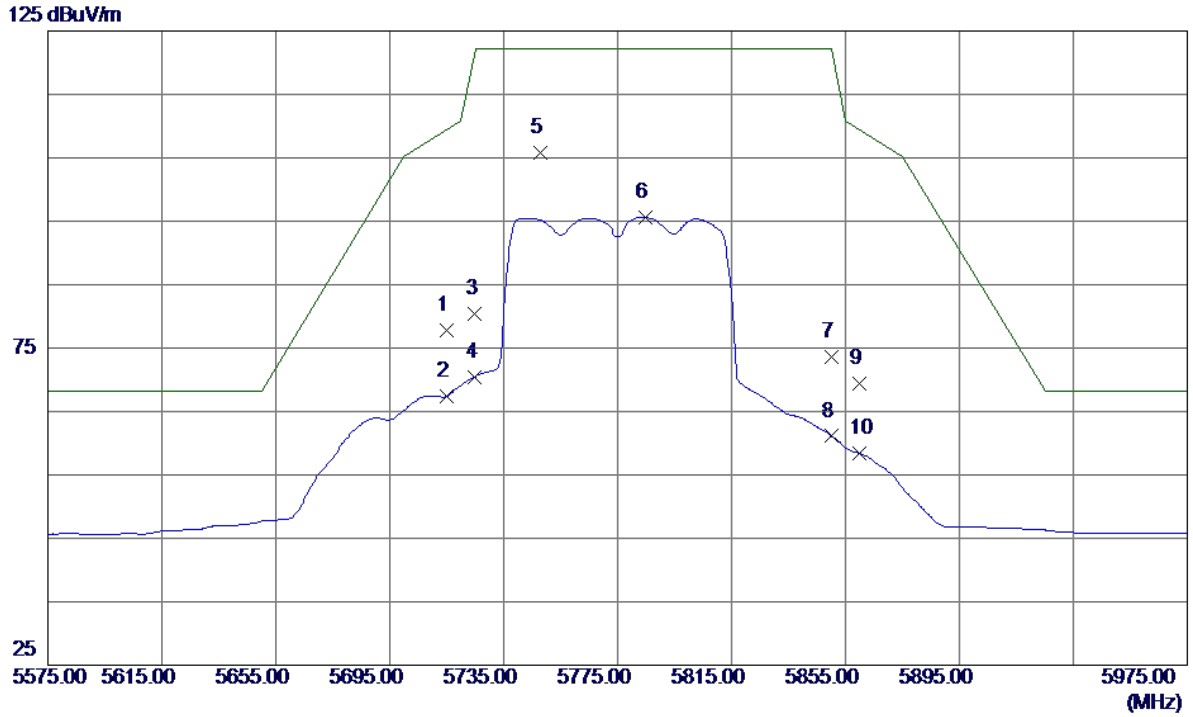
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	7700.0180	38.82	13.86	52.68	68.30	-15.62	Peak	
2 *	7700.0480	34.46	13.86	48.32	54.00	-5.68	AVG	

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

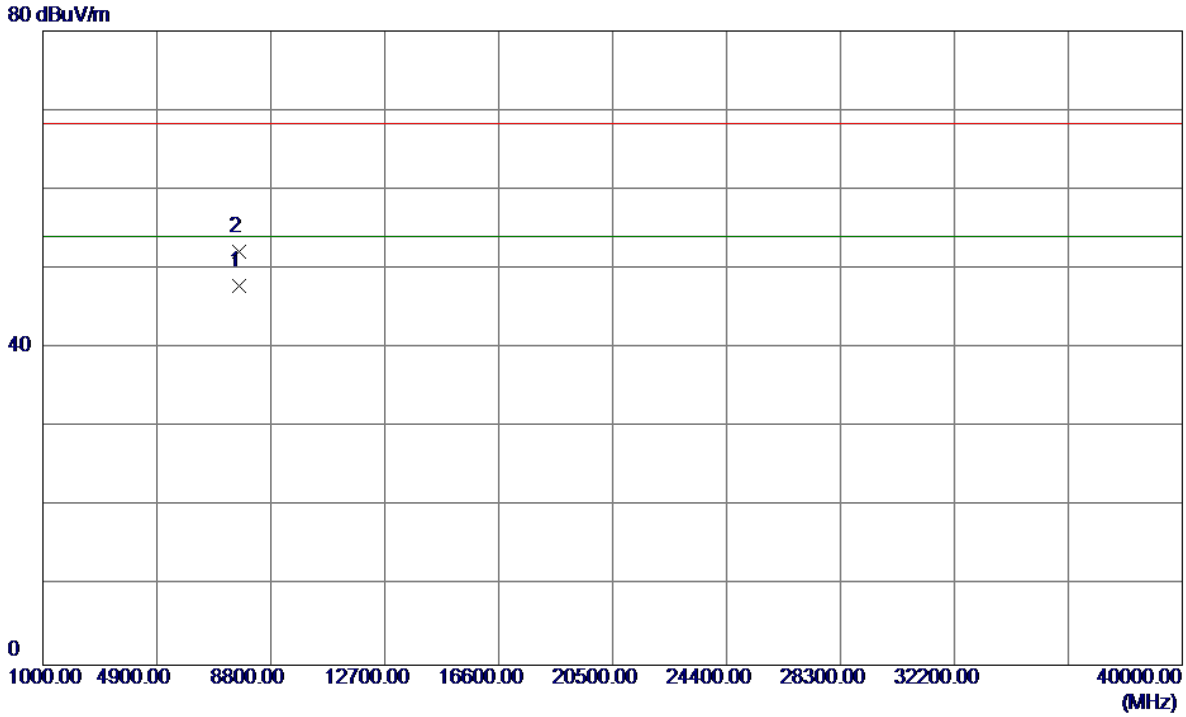
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	34.36	43.53	77.89	109.40	-31.51	Peak	
2	5715.0000	23.88	43.53	67.41	109.40	-41.99	AVG	
3	5725.0000	36.93	43.56	80.49	122.20	-41.71	Peak	
4	5725.0000	26.93	43.56	70.49	122.20	-51.71	AVG	
5 *	5747.8000	62.15	43.63	105.78	122.20	-16.42	Peak	
6	5784.6000	51.86	43.74	95.60	122.20	-26.60	AVG	
7	5850.0000	29.61	43.94	73.55	122.20	-48.65	Peak	
8	5850.0000	17.16	43.94	61.10	122.20	-61.10	AVG	
9	5860.0000	25.34	43.97	69.31	109.40	-40.09	Peak	
10	5860.0000	14.39	43.97	58.36	109.40	-51.04	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	7700.0080	33.95	13.86	47.81	54.00	-6.19	AVG	
2	7700.1020	38.33	13.86	52.19	68.30	-16.11	Peak	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

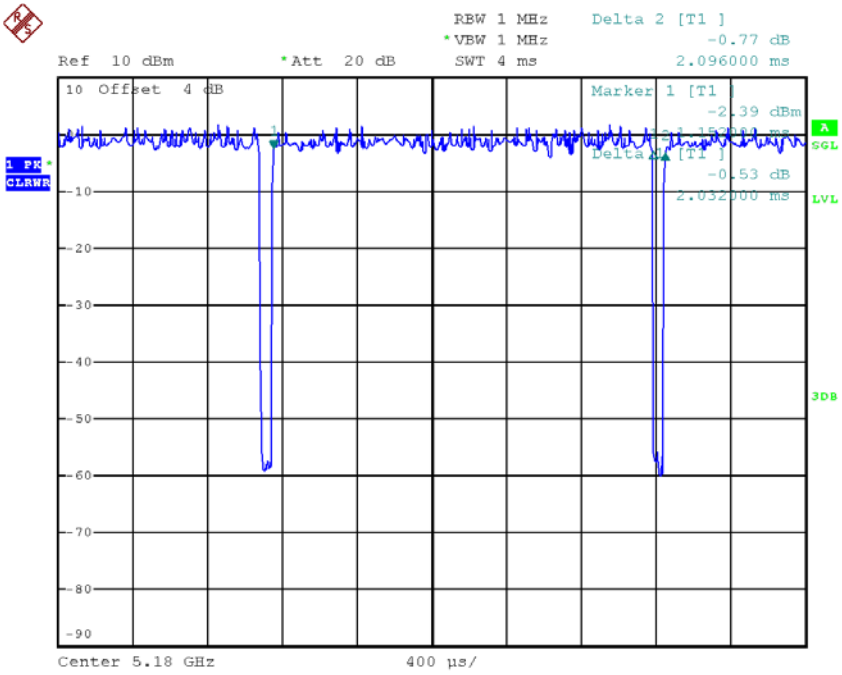
T_{ON}: 2.03 msec

T_{Total}: 2.10 msec

Duty cycle: 96.67%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.15



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

TX N20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

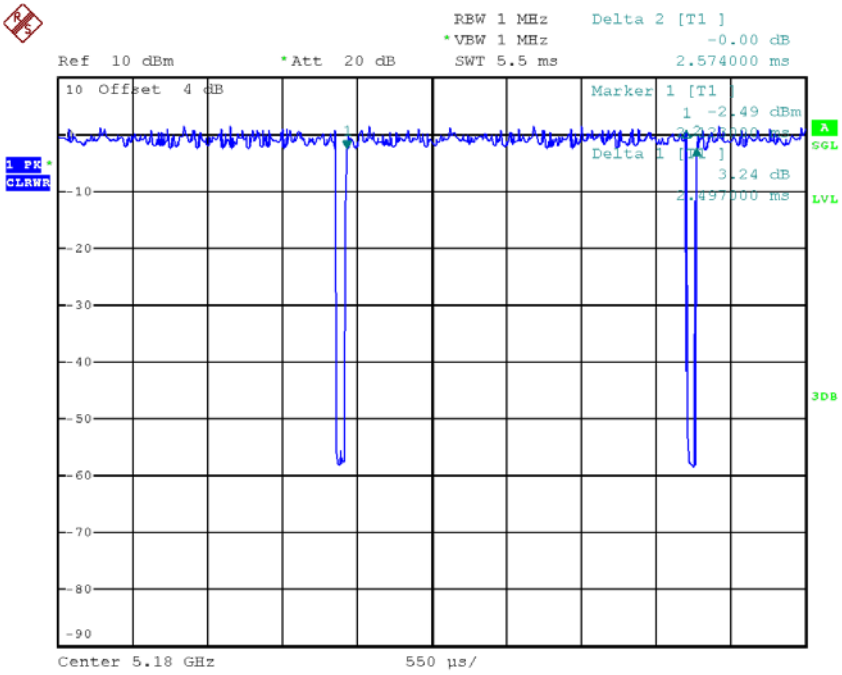
T_{ON}: 2.50 msec

T_{Total}: 2.57 msec

Duty cycle: 97.28%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.12



Date: 16.AUG.2017 19:54:59

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