FCC Radio Test Report

FCC ID: V7TU12

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

Project No.	:	1611C207
Equipment	:	AC1300 Wireless Dual Band USB Adapter
Model Name	:	U12
Applicant	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address	:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

Date of Receipt	:	Nov. 28, 2016
Date of Test	:	Nov. 28, 2016 ~ Dec. 12, 2016
Issued Date	:	Dec. 13, 2016
Tested by	:	BTL Inc.

Testing Engineer : Shawn Xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

Authorized Signatory : Steven Lu
(Steven Lu)

BTL INC.

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

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

Declaration

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

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

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

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

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

Limitation

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

Table of Contents Page

1 . CERTIFICATION 6

2 . SUMMARY OF TEST RESULTS 7

2.1 TEST FACILITY 8

2.2 MEASUREMENT UNCERTAINTY 8

3 . GENERAL INFORMATION 9

3.1 GENERAL DESCRIPTION OF EUT 9

3.2 DESCRIPTION OF TEST MODES 11

3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING 13

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED 14

3.5 DESCRIPTION OF SUPPORT UNITS 14

4 . EMC EMISSION TEST 15

4.1 CONDUCTED EMISSION MEASUREMENT 15

4.1.1 POWER LINE CONDUCTED EMISSION 15

4.1.2 TEST PROCEDURE 15

4.1.3 DEVIATION FROM TEST STANDARD 15

4.1.4 TEST SETUP 16

4.1.5 EUT OPERATING CONDITIONS 16

4.1.6 EUT TEST CONDITIONS 16

4.1.7 TEST RESULTS 16

4.2 RADIATED EMISSION MEASUREMENT 17

4.2.1 RADIATED EMISSION LIMITS 17

4.2.2 TEST PROCEDURE 18

4.2.3 DEVIATION FROM TEST STANDARD 18

4.2.4 TEST SETUP 18

4.2.5 EUT OPERATING CONDITIONS 19

4.2.6 EUT TEST CONDITIONS 19

4.2.7 TEST RESULTS (9K TO 30MHz) 20

4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHz) 20

4.2.9 TEST RESULTS (ABOVE 1000 MHz) 20

5 . 26dB SPECTRUM BANDWIDTH 21

5.1 APPLIED PROCEDURES / LIMIT 21

5.1.1 TEST PROCEDURE 21

5.1.2 DEVIATION FROM STANDARD 21

5.1.3 TEST SETUP 21

5.1.4 EUT OPERATION CONDITIONS 21

5.1.5 EUT TEST CONDITIONS 22

5.1.6 TEST RESULTS 22

6 . MAXIMUM CONDUCTED OUTPUT POWER 23

Table of Contents Page

6.1 APPLIED PROCEDURES / LIMIT 23
6.1.1 TEST PROCEDURE 23
6.1.2 DEVIATION FROM STANDARD 24
6.1.3 TEST SETUP 24
6.1.4 EUT OPERATION CONDITIONS 24
6.1.5 EUT TEST CONDITIONS 24
6.1.6 TEST RESULTS 24

7 . POWER SPECTRAL DENSITY TEST 25

7.1 APPLIED PROCEDURES / LIMIT 25
8.1.1 TEST PROCEDURE 25
7.1.1 DEVIATION FROM STANDARD 26
7.1.2 TEST SETUP 26
7.1.3 EUT OPERATION CONDITIONS 26
7.1.4 EUT TEST CONDITIONS 26
7.1.5 TEST RESULTS 26

8 . FREQUENCY STABILITY MEASUREMENT 27

8.1 APPLIED PROCEDURES / LIMIT 27
8.1.1 TEST PROCEDURE 27
8.1.2 DEVIATION FROM STANDARD 27
8.1.3 TEST SETUP 28
8.1.4 EUT OPERATION CONDITIONS 28
8.1.5 EUT TEST CONDITIONS 28
8.1.6 TEST RESULTS 28

9 . MEASUREMENT INSTRUMENTS LIST 29

10 . EUT TEST PHOTOS 31

ATTACHMENT A - CONDUCTED EMISSION 35

ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ) 38

ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ) 43

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ) 56

ATTACHMENT E - BANDWIDTH 175

ATTACHMENT F - MAXIMUM OUTPUT POWER 198

ATTACHMENT H - POWER SPECTRAL DENSITY 211

ATTACHMENT H - FREQUENCY STABILITY 263

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1611C207	Original Issue.	Dec. 13, 2016

1. CERTIFICATION

Equipment	:	AC1300 Wireless Dual Band USB Adapter
Brand Name	:	Tenda
Model Name	:	U12
Applicant	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Manufacturer	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address	:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
Date of Test	:	Nov. 28, 2016 ~ Dec. 12, 2016
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-2-1611C207) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for 5G UNII-1 and UNII-3 part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	AC1300 Wireless Dual Band USB Adapter	
Brand Name	Tenda	
Model Name	U12	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	300Mbps
	Output Power (Max.)for UNII-1	802.11a: 7.86dBm 802.11n (20M): 7.82dBm 802.11n (40M): 7.81dBm 802.11ac (20M): 7.82dBm 802.11ac (40M): 7.80dBm 802.11ac (80M):7.83dBm
	Output Power (Max.)for UNII-3	802.11a: 7.85dBm 802.11n (20M): 7.84dBm 802.11n (40M): 7.82dBm 802.11ac (20M): 7.86dBm 802.11ac (40M): 7.79dBm 802.11ac (80M): 7.71dBm
Power Source	Supplied from PC USB port.	
Power Rating	DC 5V	

Note:

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

2. Channel List:

UNII-1 802.11a/802.11n(20M)/ 802.11ac (20 MHz)		UNII-1 802.11n(40M)/ 802.11ac (40 MHz)		UNII-1 802.11ac (80 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

UNII-3 802.11a/802.11n(20M)/ 802.11ac (20 MHz)		UNII-3 802.11n(40M)/ 802.11ac (40 MHz)		UNII-3 802.11ac (80 MHz)	
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	N/A	N/A	Printed	N/A	2
2	N/A	N/A	Printed	N/A	2

Note:

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

4. The worst case for 1TX/2TX/ as following:

Operating Mode / TX Mode	1TX	2TX
802.11a	V (ANT 1)	-
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.

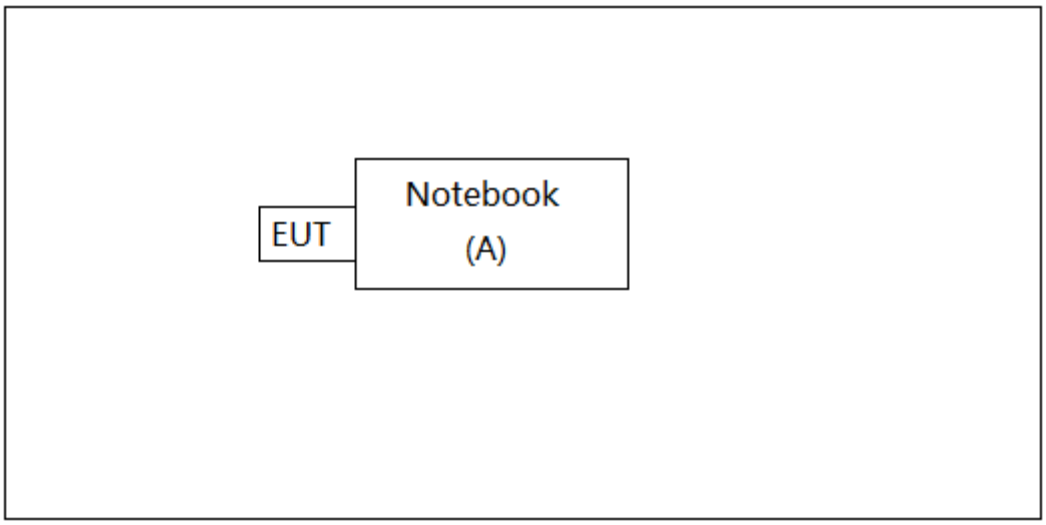
3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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	MPTool		
Frequency (MHz)	5180	5200	5240
A Mode	26	26	27
N20 Mode	28	27	26
AC20 Mode	28	27	26
Frequency (MHz)	5190	5230	
N40 Mode	30	27	
AC40 Mode	29	28	
Frequency (MHz)	5210		
AC80 Mode	30		

UNII-3			
Test Software Version	MPTool		
Frequency (MHz)	5745	5785	5825
A Mode	28	27	26
N20 Mode	23	21	19
AC20 Mode	23	21	20
Frequency (MHz)	5755	5795	
N40 Mode	25	23	
AC40 Mode	25	23	
Frequency (MHz)	5775		
AC80 Mode	25		

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
-	-	-	-	-

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.

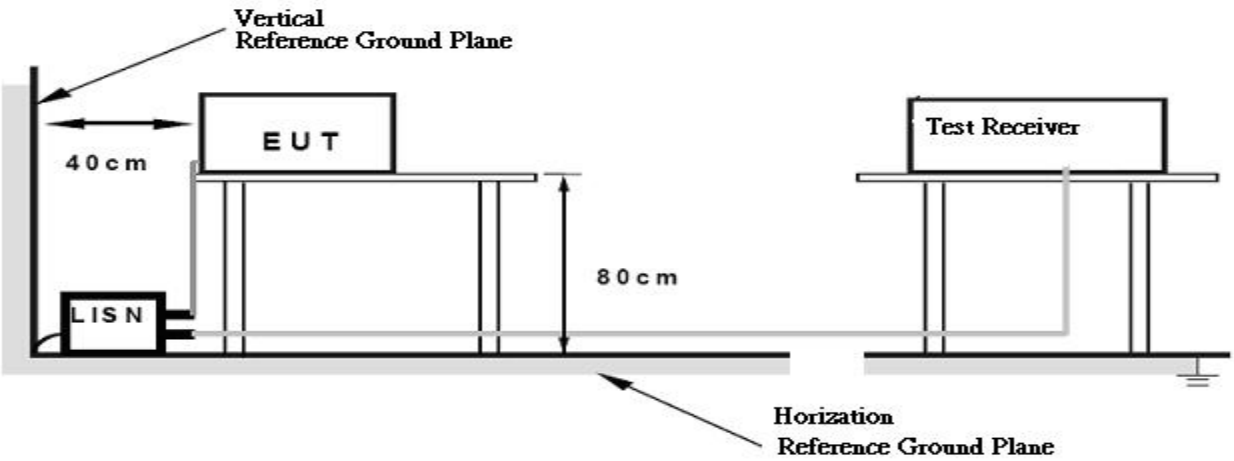
d. LISN at least 80 cm from nearest part of EUT chassis.

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: DC 5V

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

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

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

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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

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

Note:

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

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

4.2.2 TEST PROCEDURE

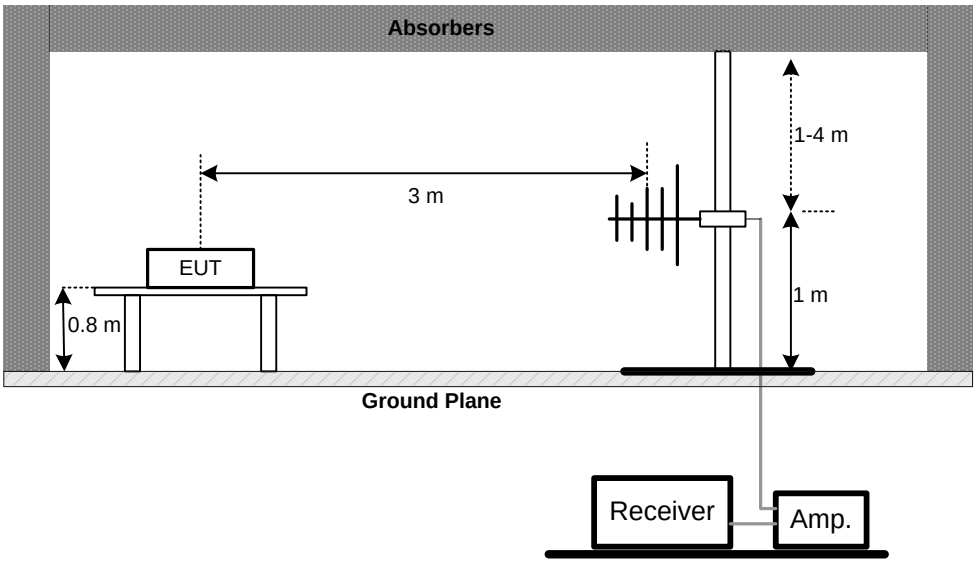
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1GHz)
i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

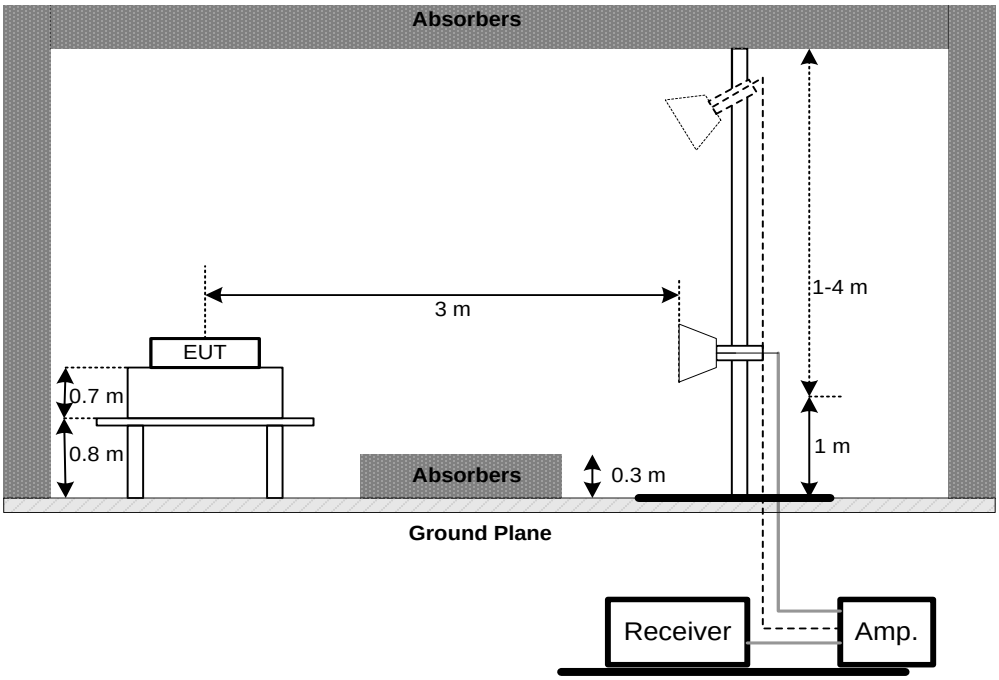
No deviation

4.2.4 TEST SETUP

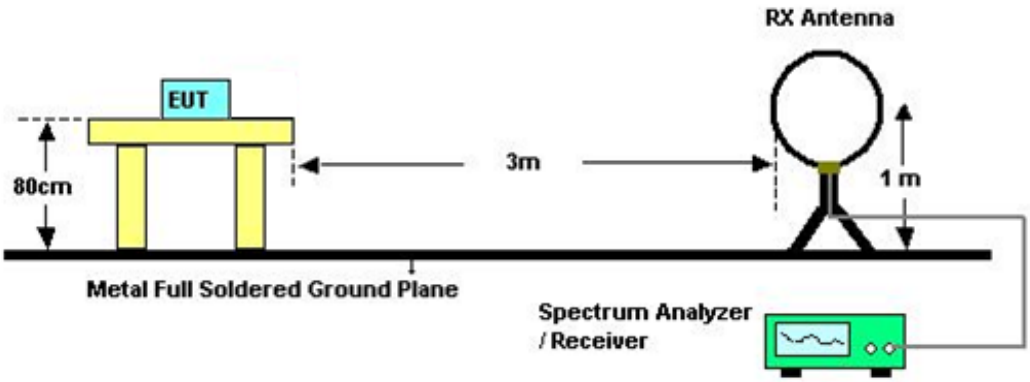
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



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



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 60% Test Voltage: DC 5V

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Attachment B

Remark:

(1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
(2) Distance extrapolation factor = 40 log (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 Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Attachment D.

Remark:

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

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

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

5.1.1 TEST PROCEDURE

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

b.

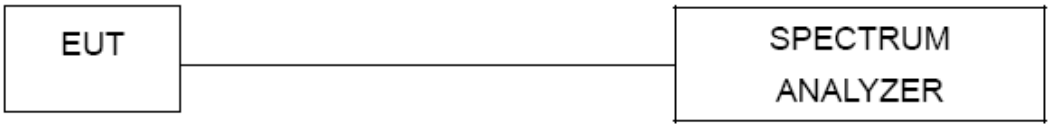
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz(Bandwidth 20MHz) 1MHz(Bandwidth 40MHz and 80MHz)
VBW	1MHz(Bandwidth 20MHz) 3MHz(Bandwidth 40MHz and 80MHz)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 60% Test Voltage: DC 5V

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

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

b.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	≥ 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: DC 5V

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

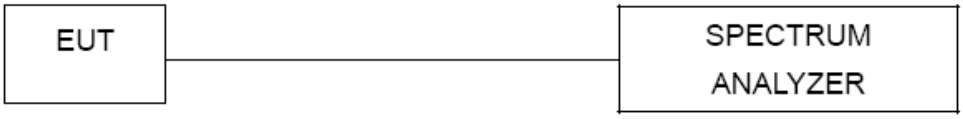
Note:

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: DC 5V

7.1.5 TEST RESULTS

Please refer to the Attachment H.

8. FREQUENCY STABILITY MEASUREMENT

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

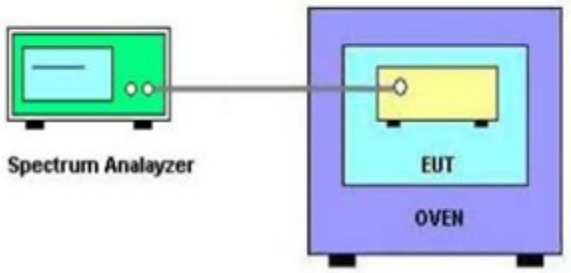
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 5V

8.1.6 TEST RESULTS

Please refer to the Attachment I.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	0052765	Mar. 27, 2017
2	LISN	R&S	ENV216	101447	Mar. 27, 2017
3	Test Cable	emci	RG223(9KHz-30 MHz)	C_17	Mar. 10, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 27, 2017
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 26, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 27, 2017
8	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
9	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
10	Test Cable	emci	EMC104-SM-SM-10000(1GHz－26.5GHz)	C-68	Jun. 26, 2017
11	Controller	CT	SC100	N/A	N/A
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
13	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
14	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
15	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. 04, 2017

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Sep. 04, 2017
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Sep. 04, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017
2	Precision Oven Tester	HOLINK	H-T-1F-D	BA03101701	May 22, 2017

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

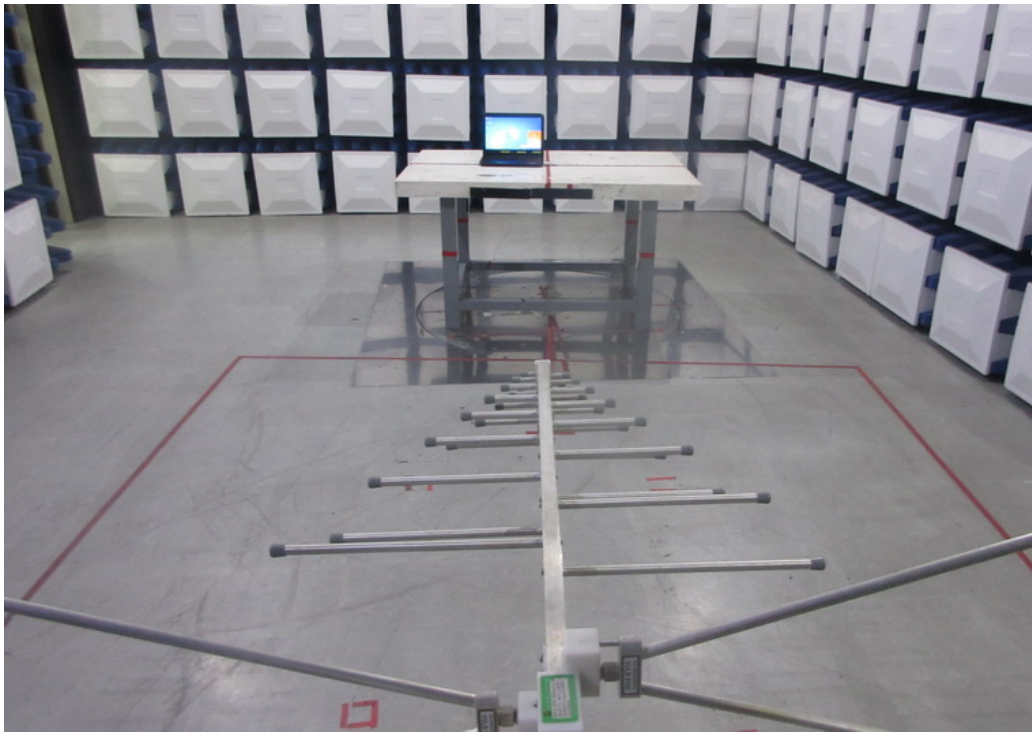
Conducted Measurement Photos

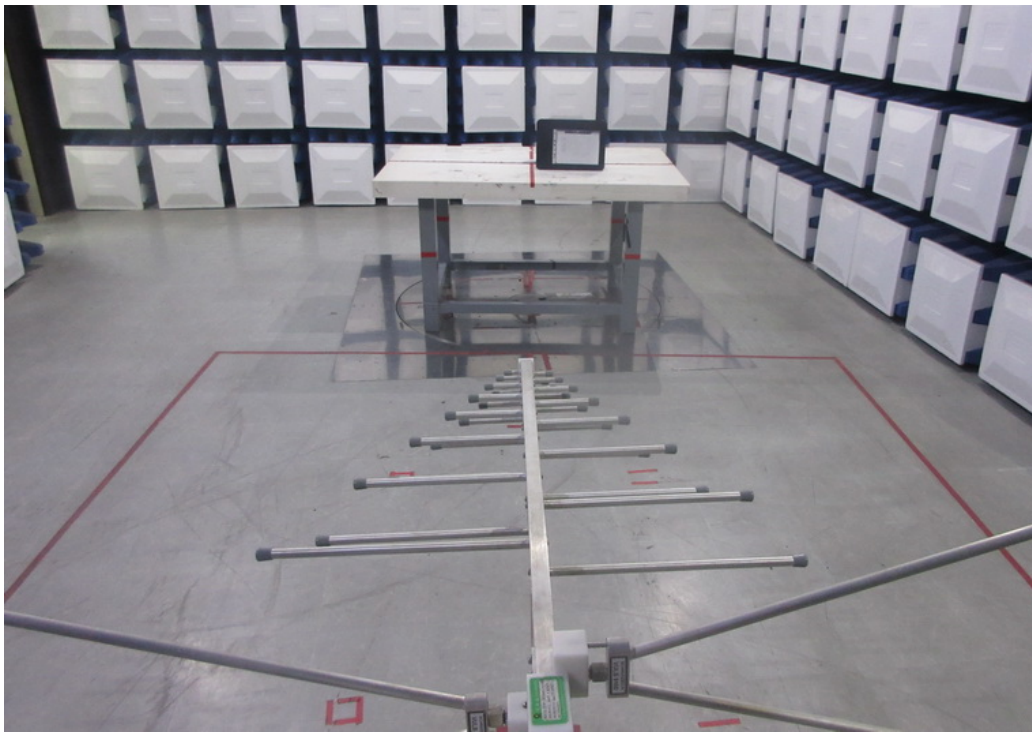
Radiated Measurement Photos

9kHz to 30MHz

Radiated Measurement Photos

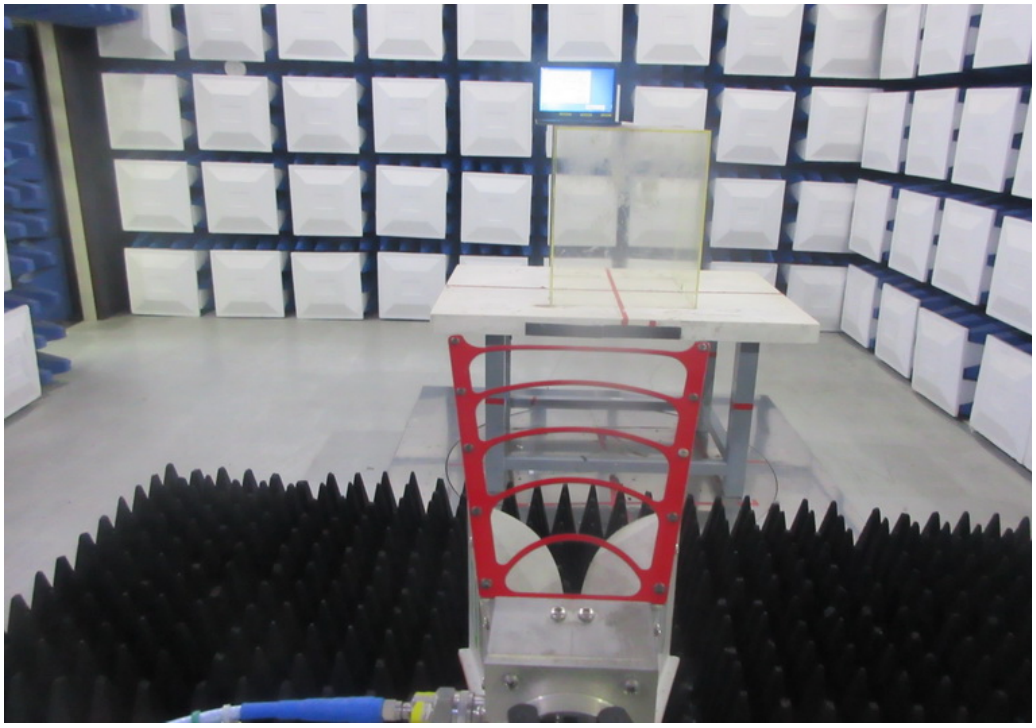
30MHz to 1000MHz

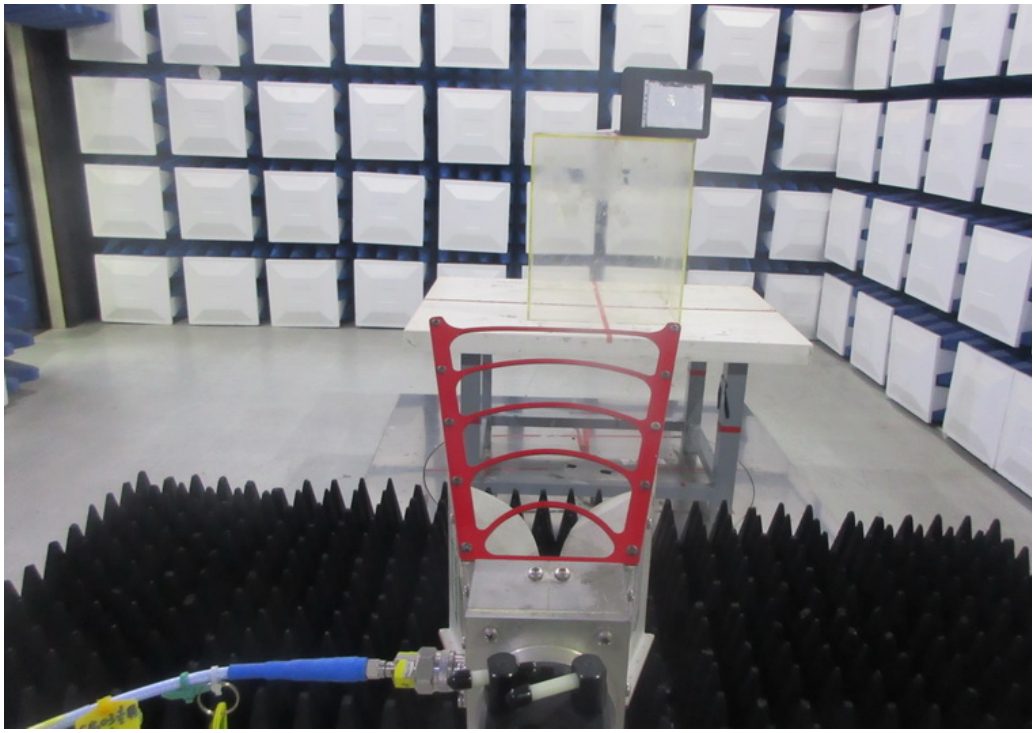




Radiated Measurement Photos

Above 1000MHz

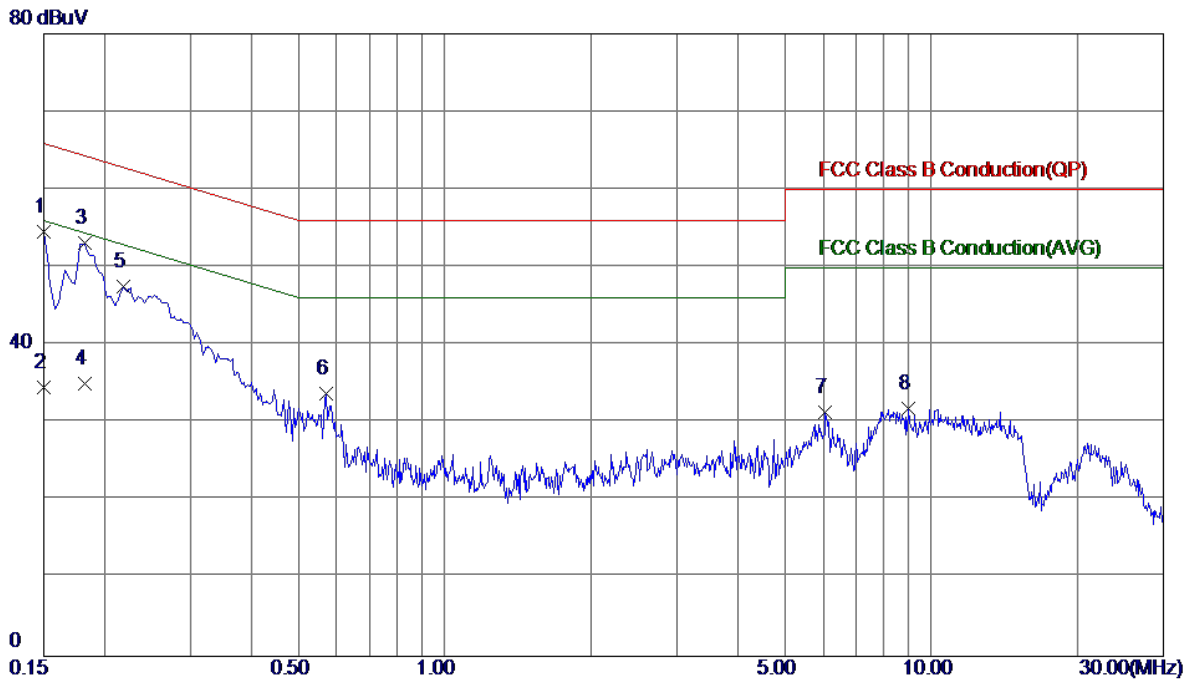




ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX MODE

Line

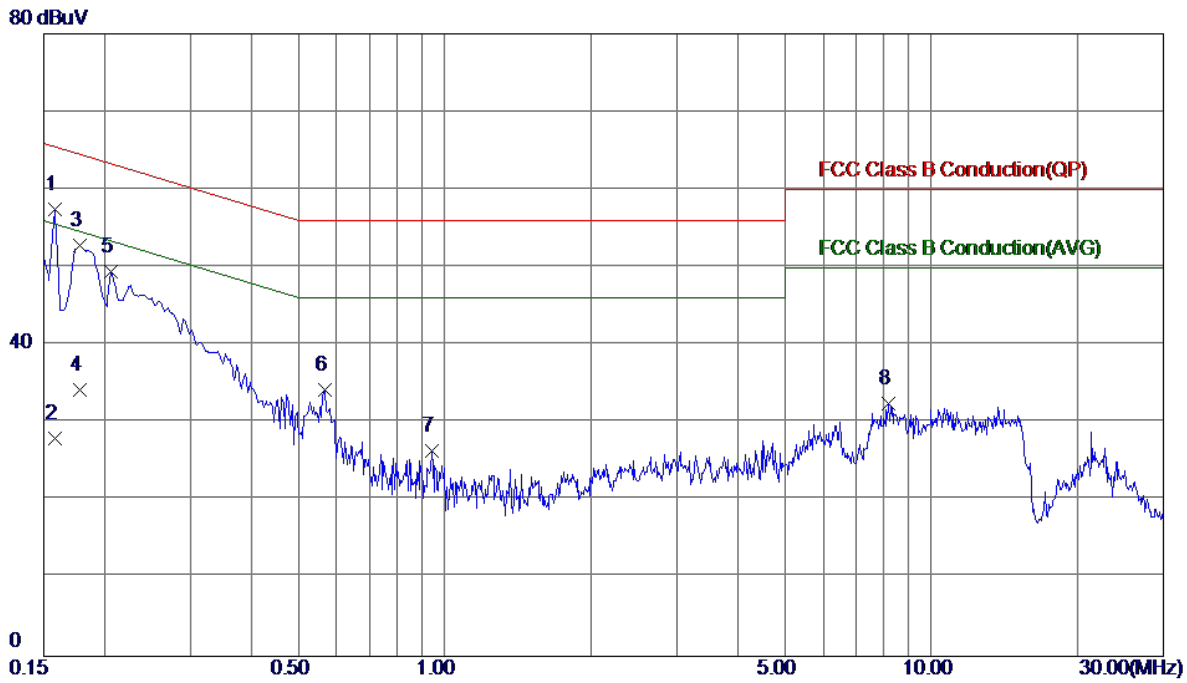


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1500	44.95	9.62	54.57	66.00	-11.43	Peak	
2	0.1500	24.92	9.62	34.54	56.00	-21.46	AVG	
3 *	0.1819	43.44	9.63	53.07	64.40	-11.33	Peak	
4	0.1819	25.39	9.63	35.02	54.40	-19.38	AVG	
5	0.2180	37.88	9.67	47.55	62.89	-15.34	Peak	
6	0.5700	23.99	9.81	33.80	56.00	-22.20	Peak	
7	6.0580	21.69	9.72	31.41	60.00	-28.59	Peak	
8	8.9660	21.94	9.93	31.87	60.00	-28.13	Peak	

Note：The test result has included the cable loss.

Test Mode:	TX MODE

Neutral



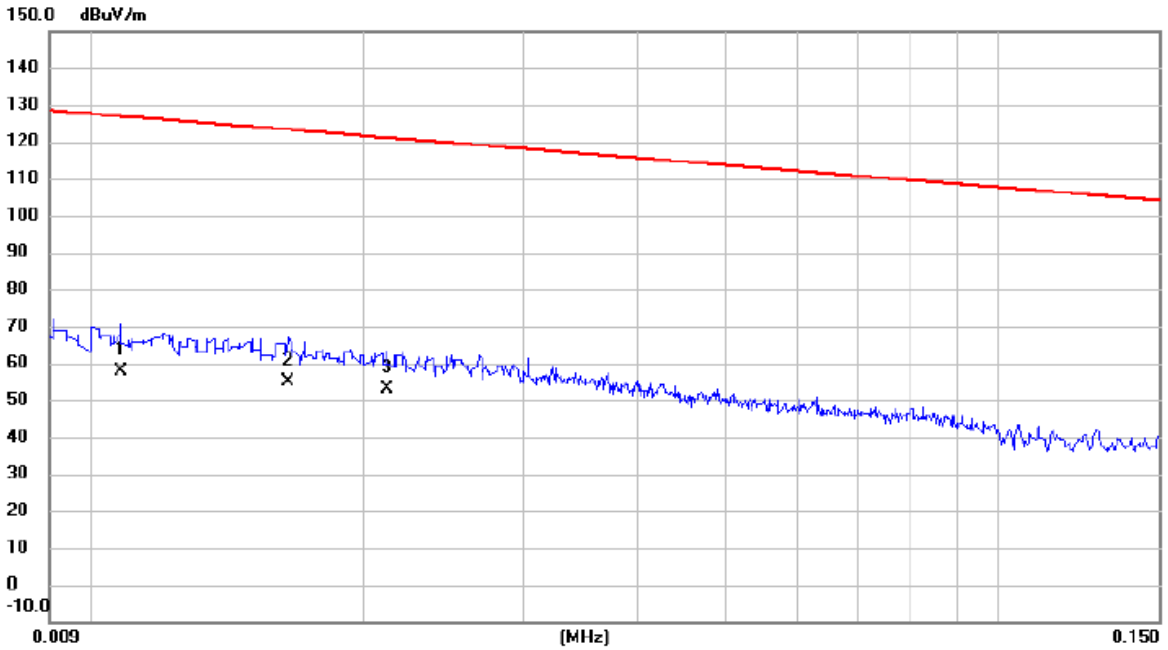
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1580	47.92	9.52	57.44	65.57	-8.13	Peak	
2	0.1580	18.46	9.52	27.98	55.57	-27.59	AVG	
3	0.1780	43.19	9.55	52.74	64.58	-11.84	Peak	
4	0.1780	24.68	9.55	34.23	54.58	-20.35	AVG	
5	0.2060	39.78	9.63	49.41	63.37	-13.96	Peak	
6	0.5660	24.55	9.64	34.19	56.00	-21.81	Peak	
7	0.9420	16.78	9.66	26.44	56.00	-29.56	Peak	
8	8.1899	22.58	9.84	32.42	60.00	-27.58	Peak	

Note：The test result has included the cable loss.

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

Test Mode:	TX MODE

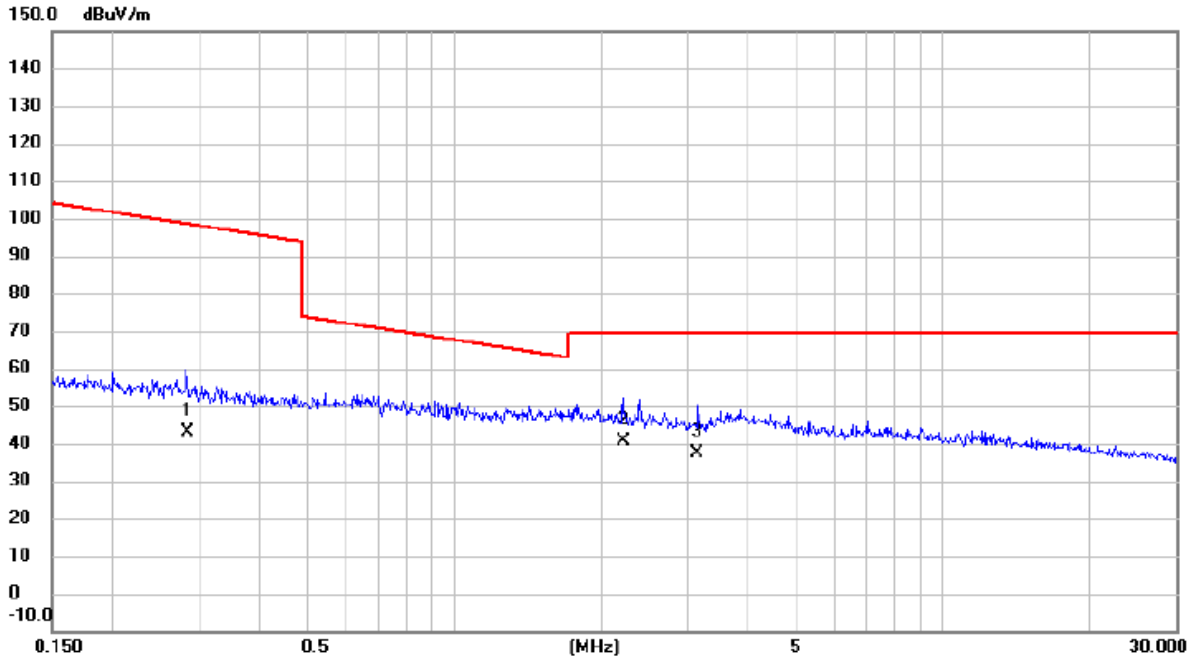
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.011	33.80	24.07	57.87	126.94	-69.07	AVG	
2		0.017	31.20	23.73	54.93	123.26	-68.33	AVG	
3	*	0.021	29.49	23.37	52.86	121.08	-68.22	AVG	

Test Mode:	TX MODE

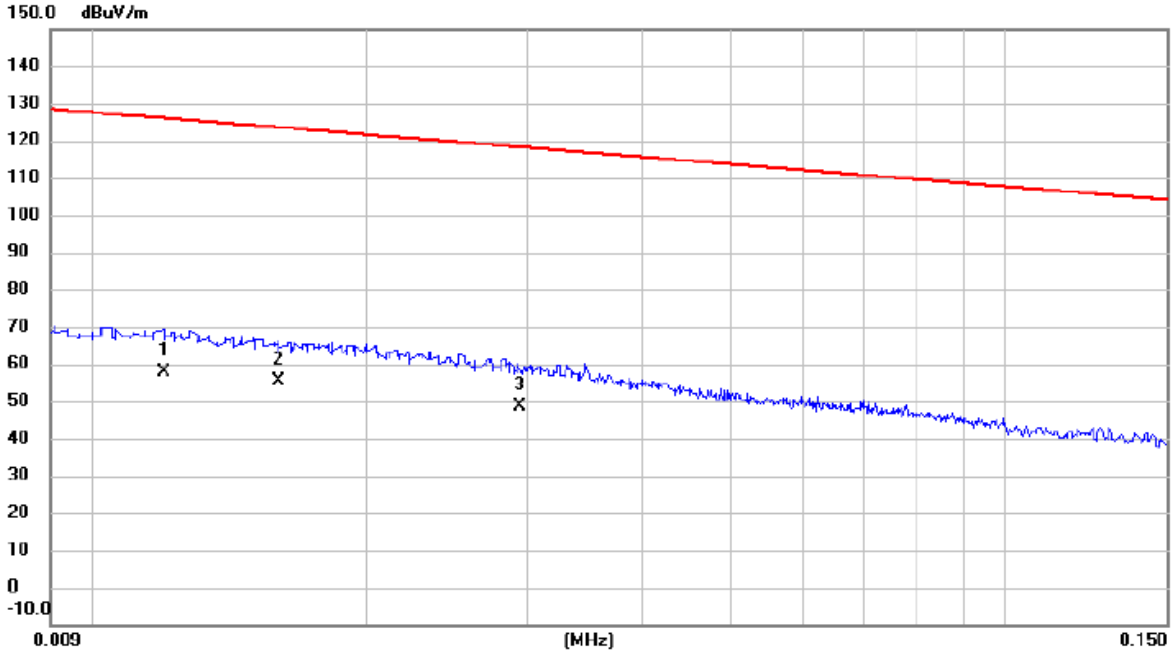
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.283	24.30	18.61	42.91	98.56	-55.65	AVG	
2	*	2.213	22.80	17.63	40.43	69.54	-29.11	QP	
3		3.140	20.50	16.92	37.42	69.54	-32.12	QP	

Test Mode:	TX MODE

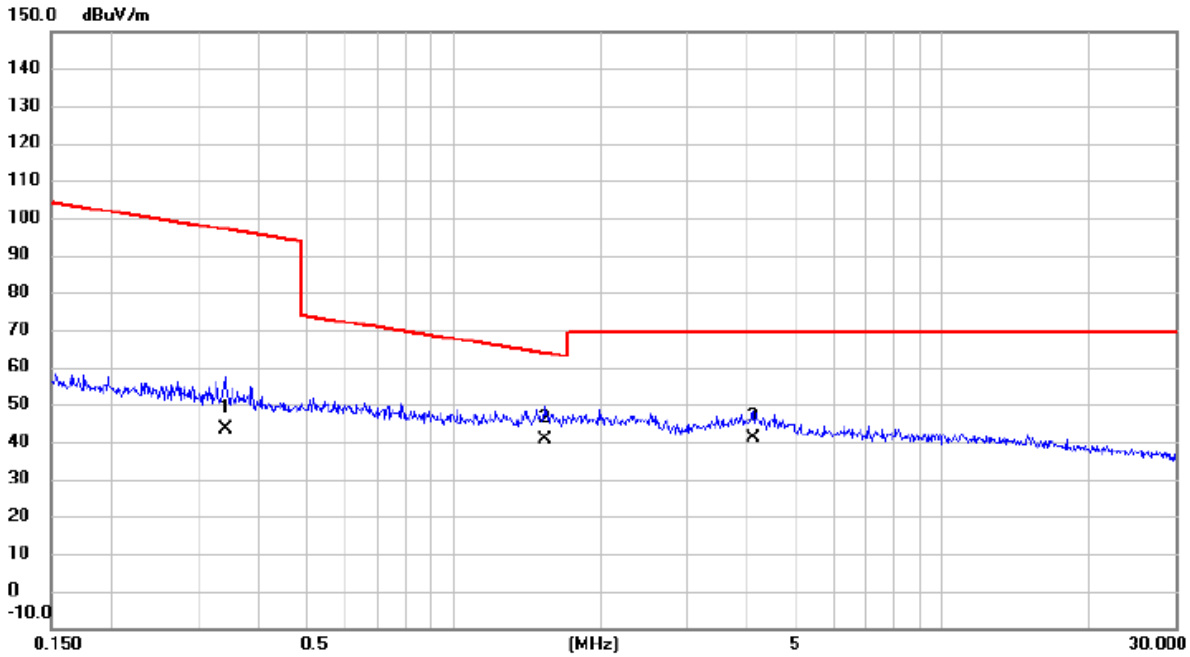
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.012	33.80	24.00	57.80	126.02	-68.22	AVG	
2	*	0.016	31.60	23.76	55.36	123.52	-68.16	AVG	
3		0.029	26.10	22.36	48.46	118.24	-69.78	AVG	

Test Mode:	TX MODE

Ant 90°

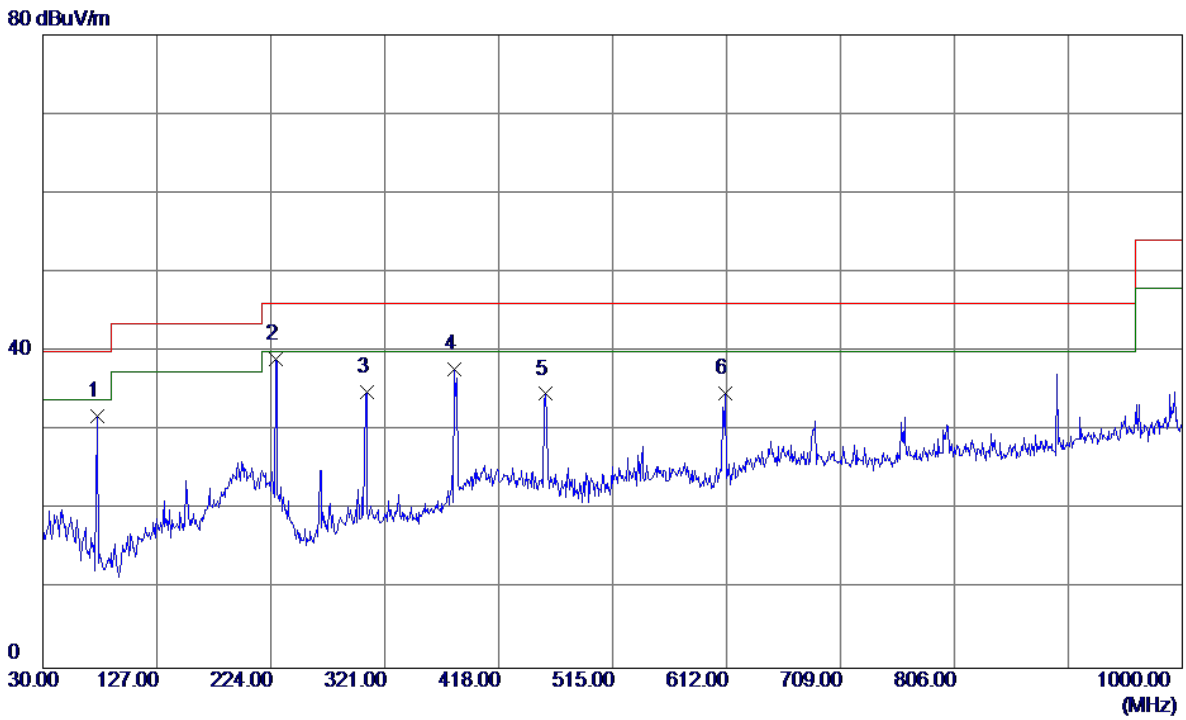


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.341	24.80	18.55	43.35	96.95	-53.60	AVG	
2	*	1.536	22.70	17.80	40.50	63.88	-23.38	QP	
3		4.092	22.50	18.57	41.07	69.54	-28.47	QP	

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

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

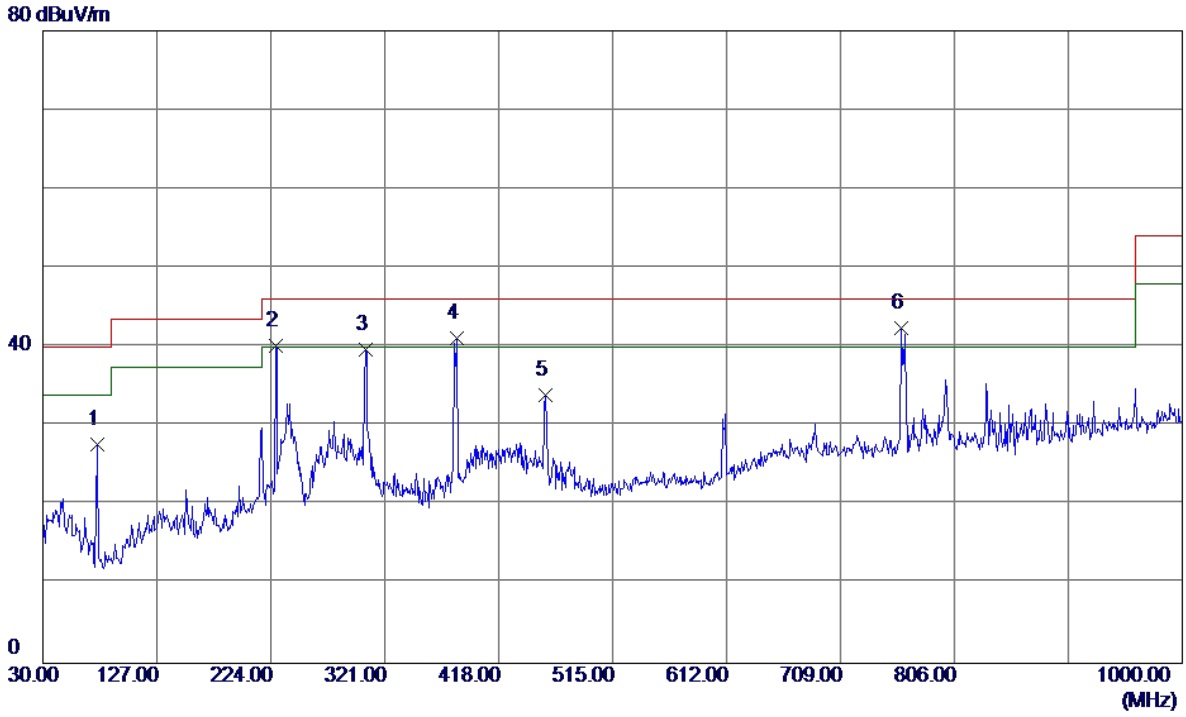
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	48.18	-16.31	31.87	40.00	-8.13	Peak	
2 *	228.3650	52.14	-13.09	39.05	46.00	-6.95	Peak	
3	305.4800	44.96	-10.03	34.93	46.00	-11.07	Peak	
4	380.6550	46.29	-8.58	37.71	46.00	-8.29	Peak	
5	458.2550	41.81	-7.17	34.64	46.00	-11.36	Peak	
6	611.0300	38.90	-4.14	34.76	46.00	-11.24	Peak	

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

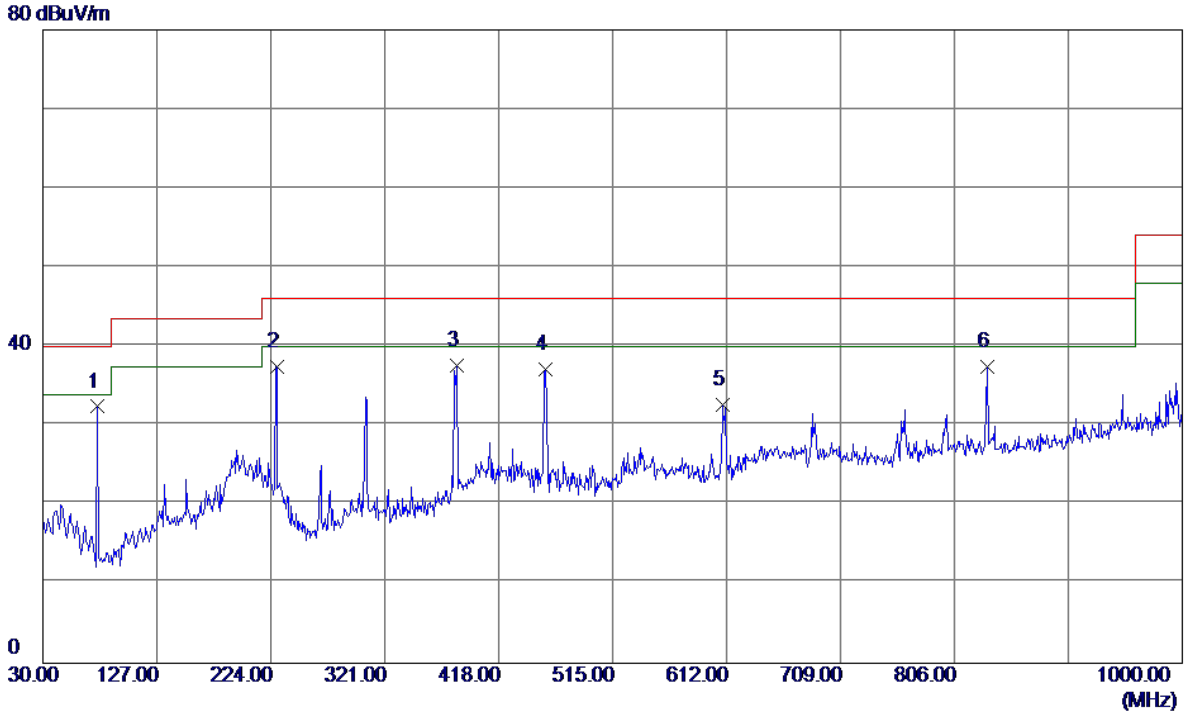
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	43.93	-16.31	27.62	40.00	-12.38	Peak	
2	228.3650	53.19	-13.09	40.10	46.00	-5.90	Peak	
3	304.5100	49.70	-10.01	39.69	46.00	-6.31	Peak	
4	382.1099	49.61	-8.48	41.13	46.00	-4.87	Peak	
5	458.2550	41.10	-7.17	33.93	46.00	-12.07	Peak	
6 *	760.8950	42.89	-0.55	42.34	46.00	-3.66	Peak	

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

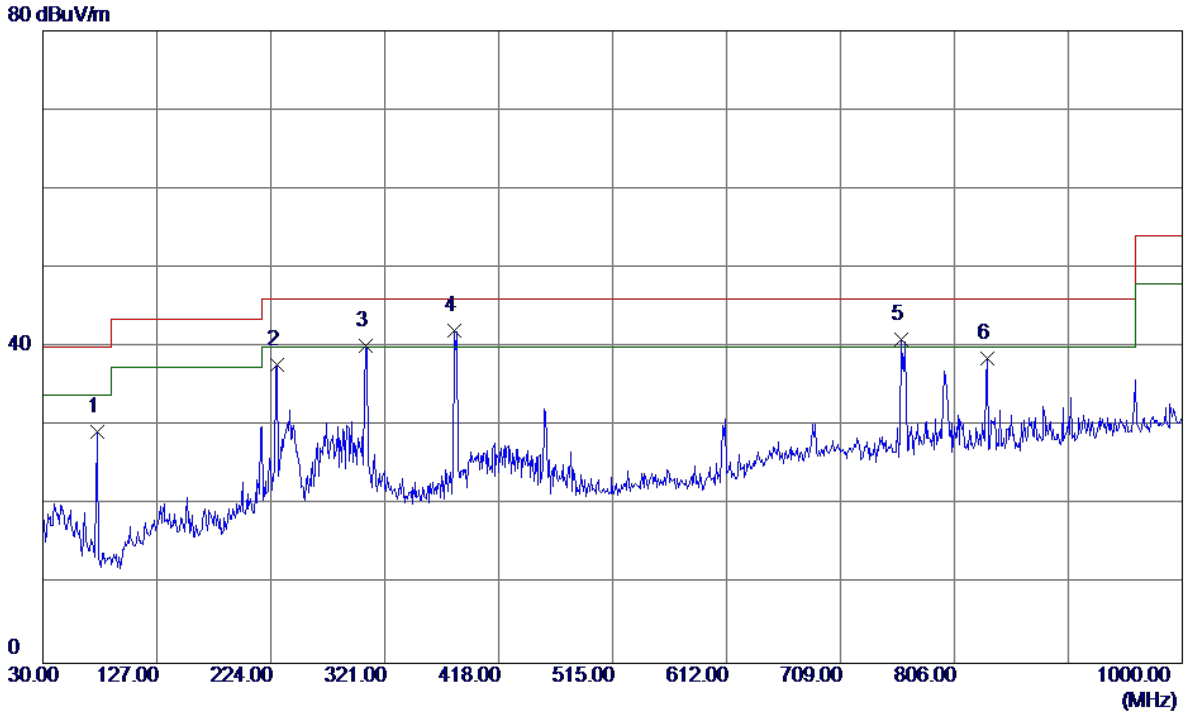
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	76.0750	48.71	-16.31	32.40	40.00	-7.60	Peak	
2	229.3350	50.43	-12.99	37.44	46.00	-8.56	Peak	
3	382.1099	46.06	-8.48	37.58	46.00	-8.42	Peak	
4	458.2550	44.25	-7.17	37.08	46.00	-8.92	Peak	
5	608.6050	36.98	-4.29	32.69	46.00	-13.31	Peak	
6	834.1300	36.87	0.60	37.47	46.00	-8.53	Peak	

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

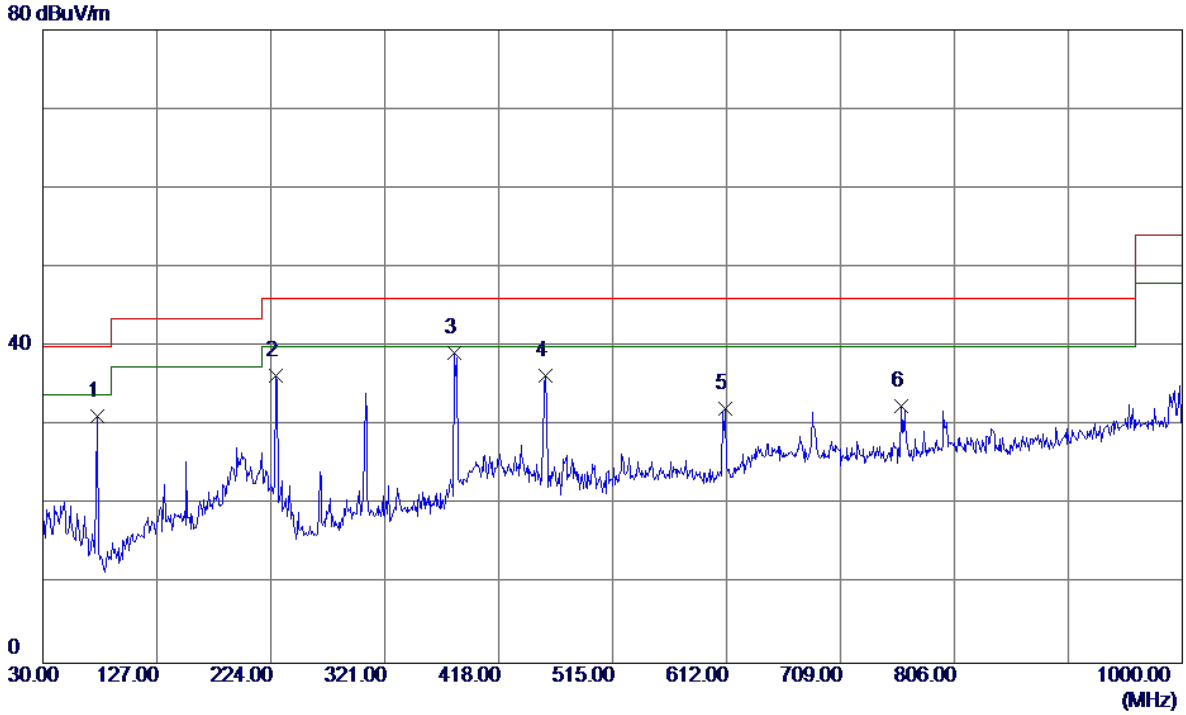
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	45.56	-16.31	29.25	40.00	-10.75	Peak	
2	229.3350	50.68	-12.99	37.69	46.00	-8.31	Peak	
3	304.5100	50.24	-10.01	40.23	46.00	-5.77	Peak	
4 *	380.6550	50.68	-8.58	42.10	46.00	-3.90	Peak	
5	760.8950	41.57	-0.55	41.02	46.00	-4.98	Peak	
6	833.6450	37.96	0.60	38.56	46.00	-7.44	Peak	

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

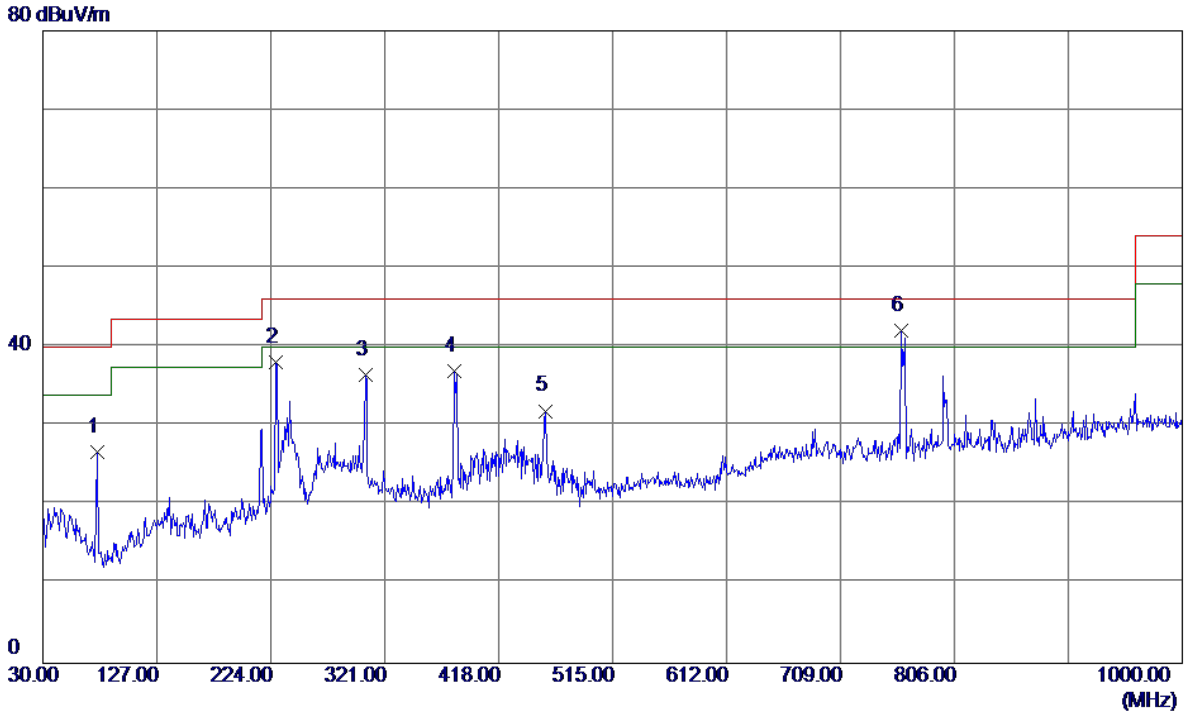
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	47.49	-16.31	31.18	40.00	-8.82	Peak	
2	228.3650	49.44	-13.09	36.35	46.00	-9.65	Peak	
3 *	380.6550	47.75	-8.58	39.17	46.00	-6.83	Peak	
4	458.2550	43.48	-7.17	36.31	46.00	-9.69	Peak	
5	611.0300	36.24	-4.14	32.10	46.00	-13.90	Peak	
6	760.8950	32.97	-0.55	32.42	46.00	-13.58	Peak	

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

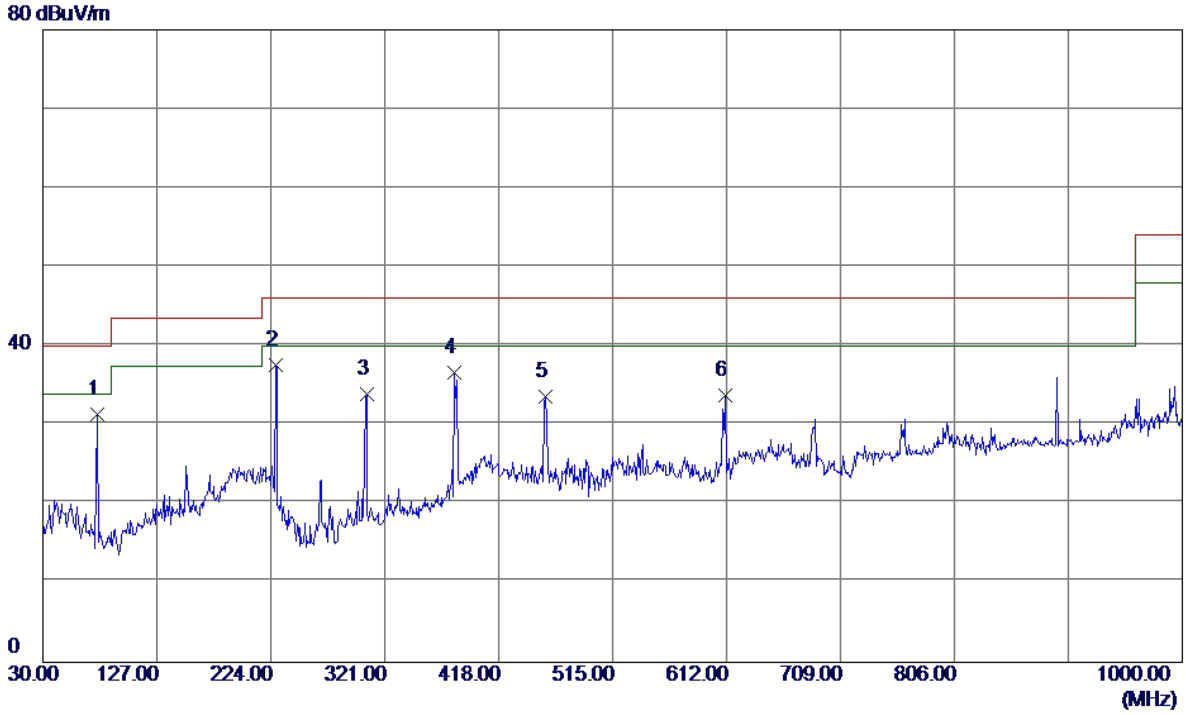
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	43.09	-16.31	26.78	40.00	-13.22	Peak	
2	228.3650	51.24	-13.09	38.15	46.00	-7.85	Peak	
3	304.5100	46.43	-10.01	36.42	46.00	-9.58	Peak	
4	380.6550	45.49	-8.58	36.91	46.00	-9.09	Peak	
5	458.2550	39.09	-7.17	31.92	46.00	-14.08	Peak	
6 *	760.8950	42.60	-0.55	42.05	46.00	-3.95	Peak	

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

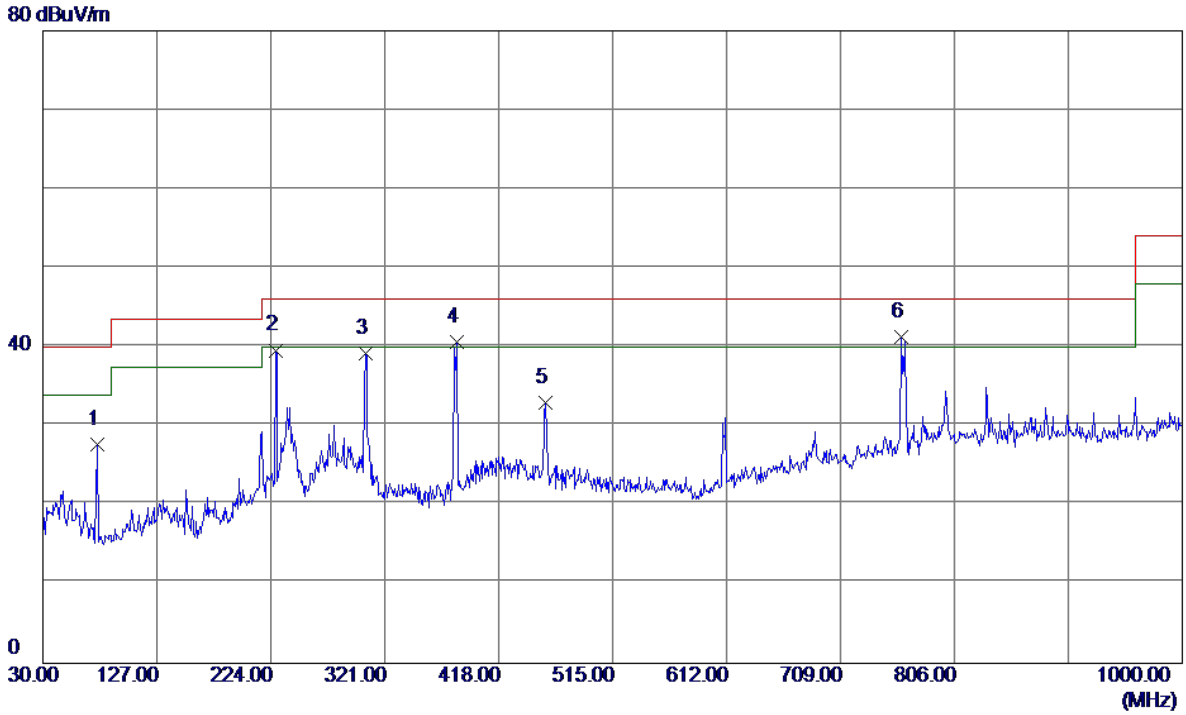
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	47.68	-16.31	31.37	40.00	-8.63	Peak	
2 *	228.3650	50.64	-13.09	37.55	46.00	-8.45	Peak	
3	305.4800	43.96	-10.03	33.93	46.00	-12.07	Peak	
4	380.6550	45.29	-8.58	36.71	46.00	-9.29	Peak	
5	458.2550	40.81	-7.17	33.64	46.00	-12.36	Peak	
6	611.0300	37.90	-4.14	33.76	46.00	-12.24	Peak	

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

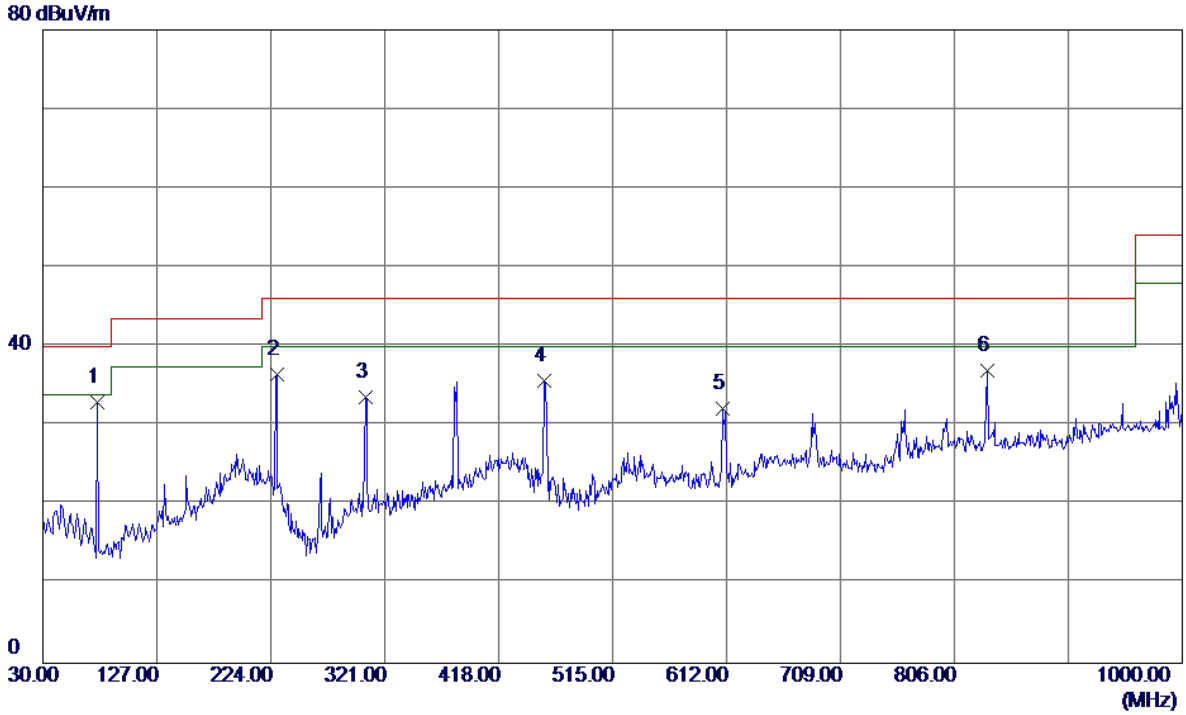
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	43.93	-16.31	27.62	40.00	-12.38	Peak	
2	228.3650	52.69	-13.09	39.60	46.00	-6.40	Peak	
3	304.5100	49.20	-10.01	39.19	46.00	-6.81	Peak	
4	382.1099	49.11	-8.48	40.63	46.00	-5.37	Peak	
5	458.2550	40.10	-7.17	32.93	46.00	-13.07	Peak	
6 *	760.8950	41.89	-0.55	41.34	46.00	-4.66	Peak	

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

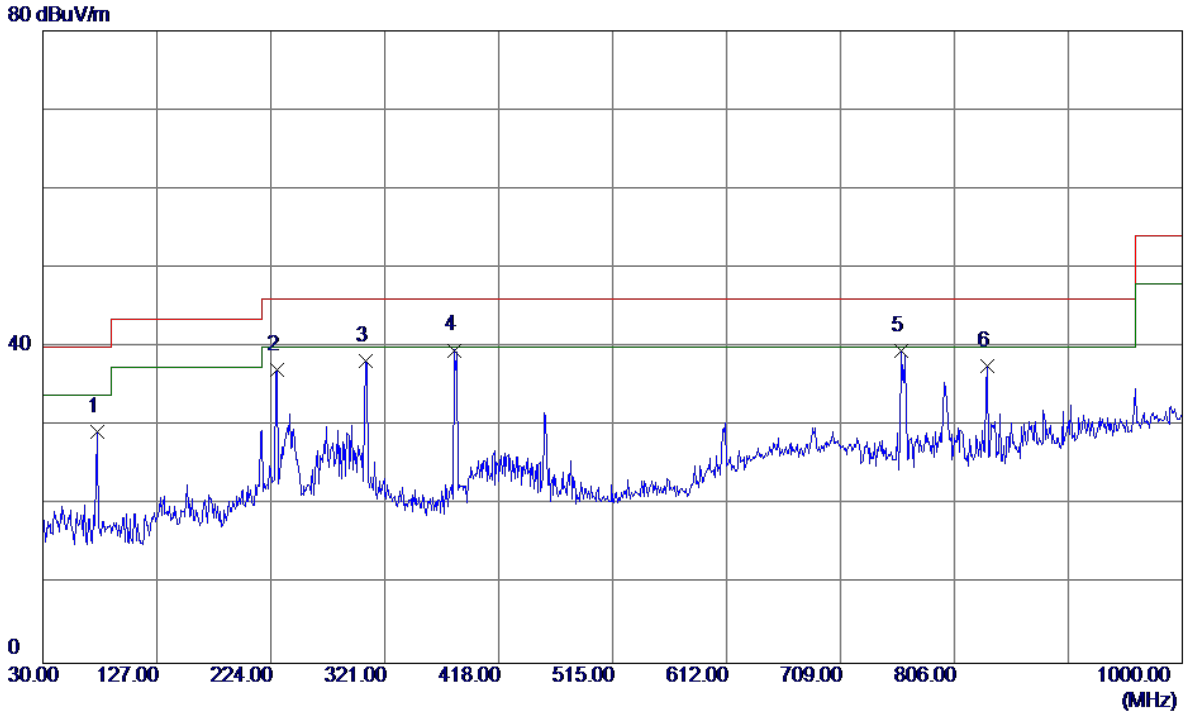
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	76.0750	49.21	-16.31	32.90	40.00	-7.10	Peak	
2	229.3350	49.43	-12.99	36.44	46.00	-9.56	Peak	
3	304.5100	43.63	-10.01	33.62	46.00	-12.38	Peak	
4	456.3150	42.80	-7.15	35.65	46.00	-10.35	Peak	
5	608.6050	36.48	-4.29	32.19	46.00	-13.81	Peak	
6	834.1300	36.37	0.60	36.97	46.00	-9.03	Peak	

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

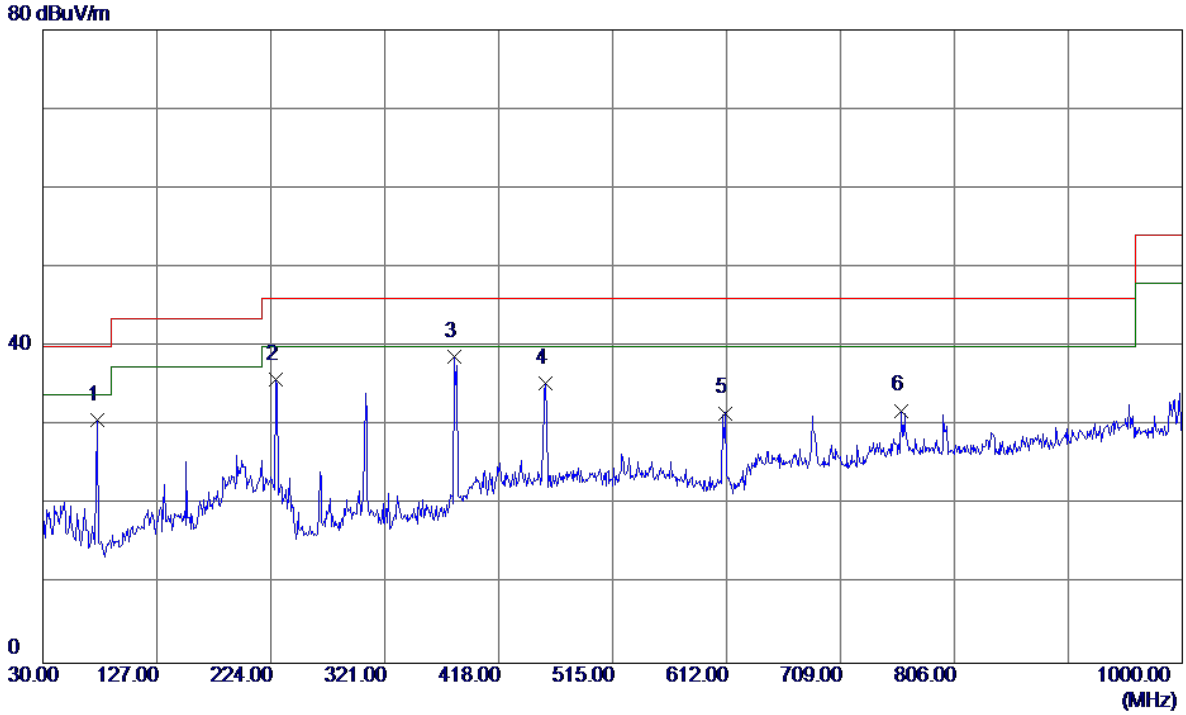
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	45.56	-16.31	29.25	40.00	-10.75	Peak	
2	229.3350	50.18	-12.99	37.19	46.00	-8.81	Peak	
3	304.5100	48.24	-10.01	38.23	46.00	-7.77	Peak	
4 *	380.6550	48.18	-8.58	39.60	46.00	-6.40	Peak	
5	760.8950	40.07	-0.55	39.52	46.00	-6.48	Peak	
6	833.6450	36.96	0.60	37.56	46.00	-8.44	Peak	

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

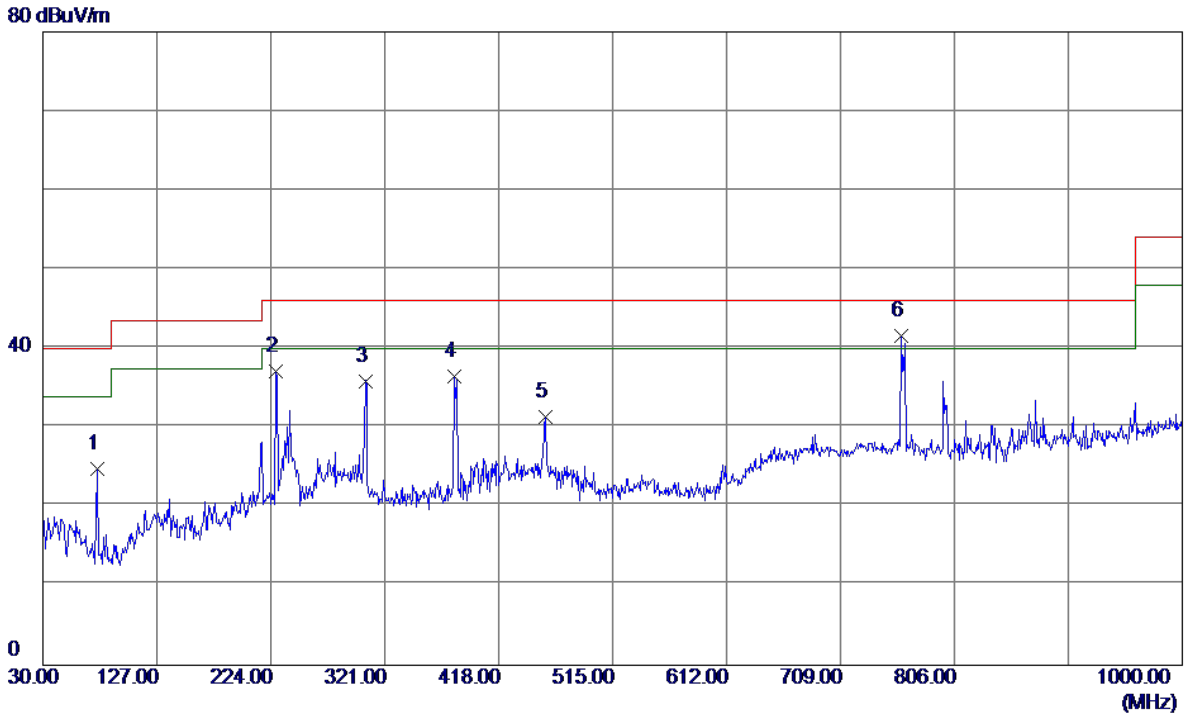
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	46.99	-16.31	30.68	40.00	-9.32	Peak	
2	228.3650	48.94	-13.09	35.85	46.00	-10.15	Peak	
3 *	380.6550	47.25	-8.58	38.67	46.00	-7.33	Peak	
4	458.2550	42.48	-7.17	35.31	46.00	-10.69	Peak	
5	611.0300	35.74	-4.14	31.60	46.00	-14.40	Peak	
6	760.8950	32.47	-0.55	31.92	46.00	-14.08	Peak	

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

Horizontal

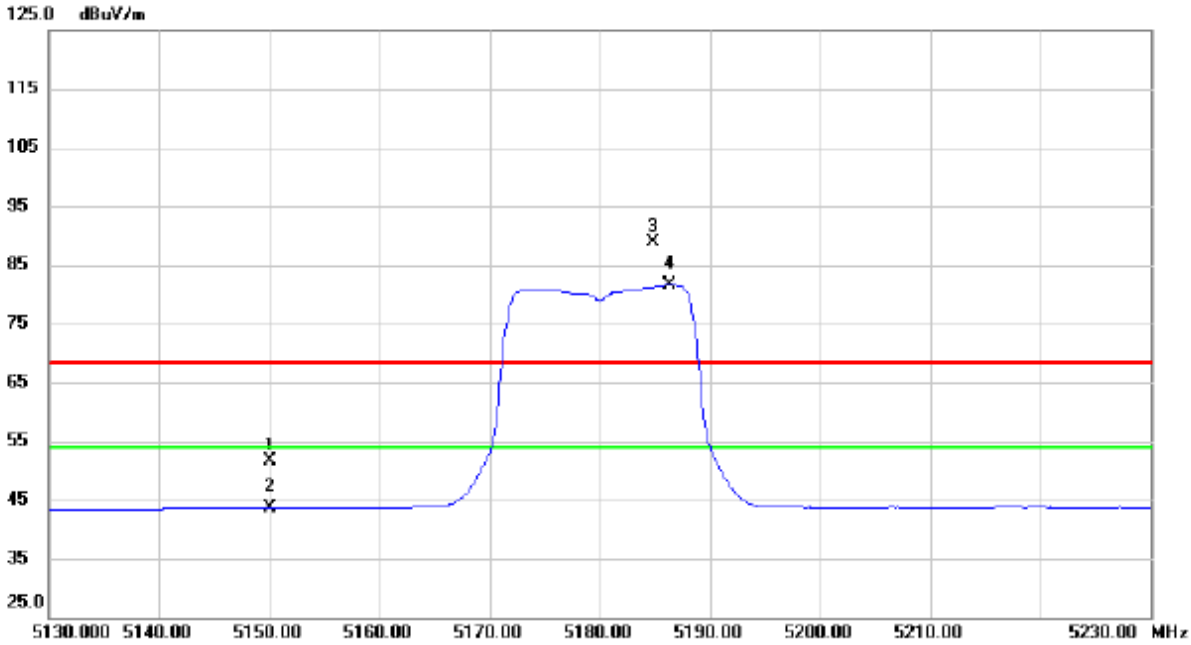


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	76.0750	41.09	-16.31	24.78	40.00	-15.22	Peak	
2	228.3650	50.24	-13.09	37.15	46.00	-8.85	Peak	
3	304.5100	45.93	-10.01	35.92	46.00	-10.08	Peak	
4	380.6550	44.99	-8.58	36.41	46.00	-9.59	Peak	
5	458.2550	38.59	-7.17	31.42	46.00	-14.58	Peak	
6 *	760.8950	42.10	-0.55	41.55	46.00	-4.45	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

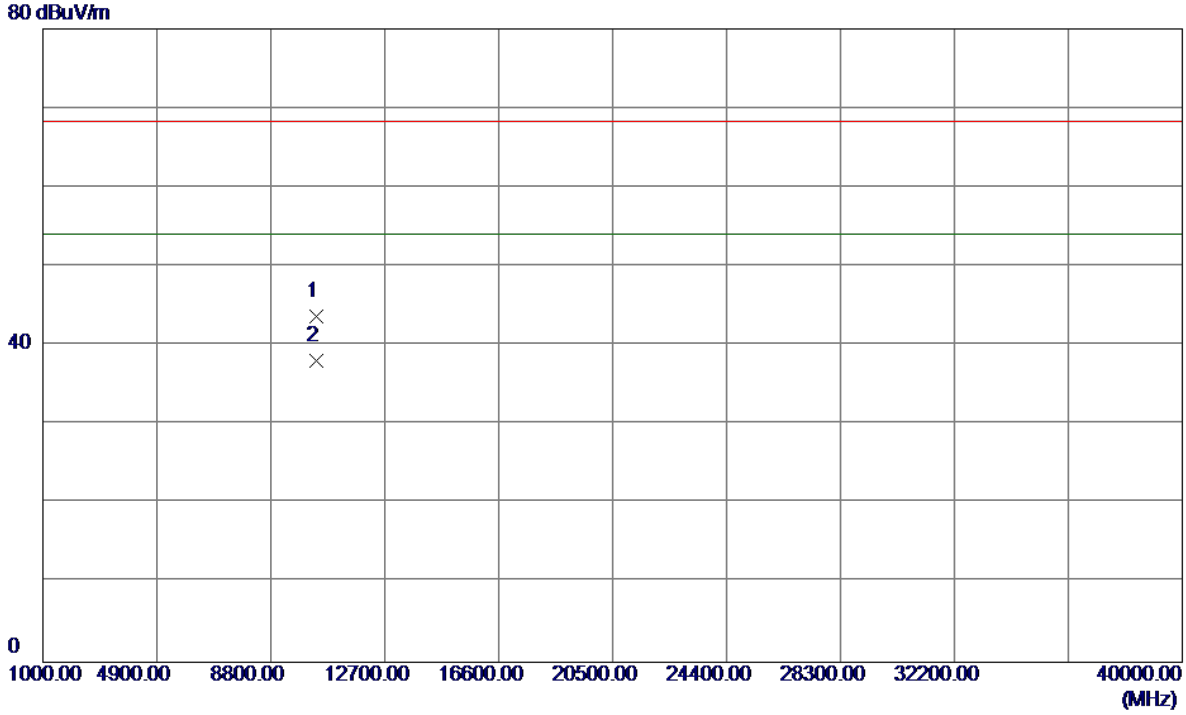
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	10.18	41.35	51.53	68.30	-16.77	peak	
2		5150.000	2.22	41.35	43.57	54.00	-10.43	AVG	
3	X	5184.800	47.32	41.46	88.78	68.30	20.48	peak	No Limit
4	*	5186.400	40.08	41.47	81.55	54.00	27.55	AVG	No Limit

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

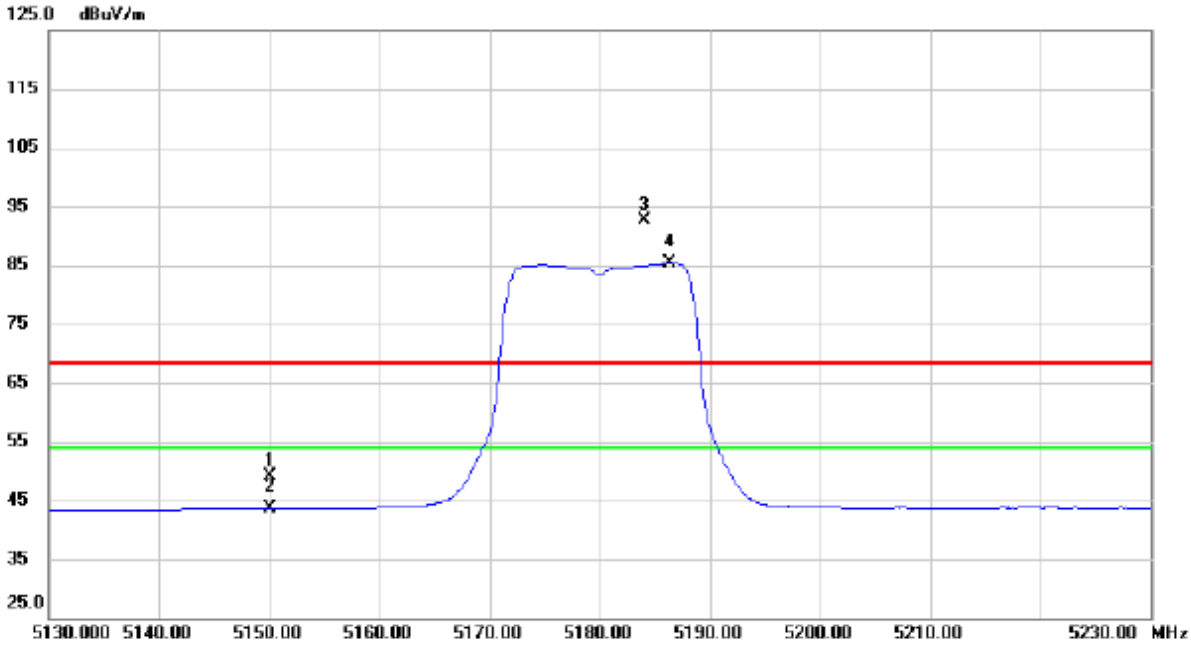
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.8099	28.73	14.96	43.69	68.30	-24.61	Peak	
2 *	10360.8750	23.12	14.96	38.08	54.00	-15.92	AVG	

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

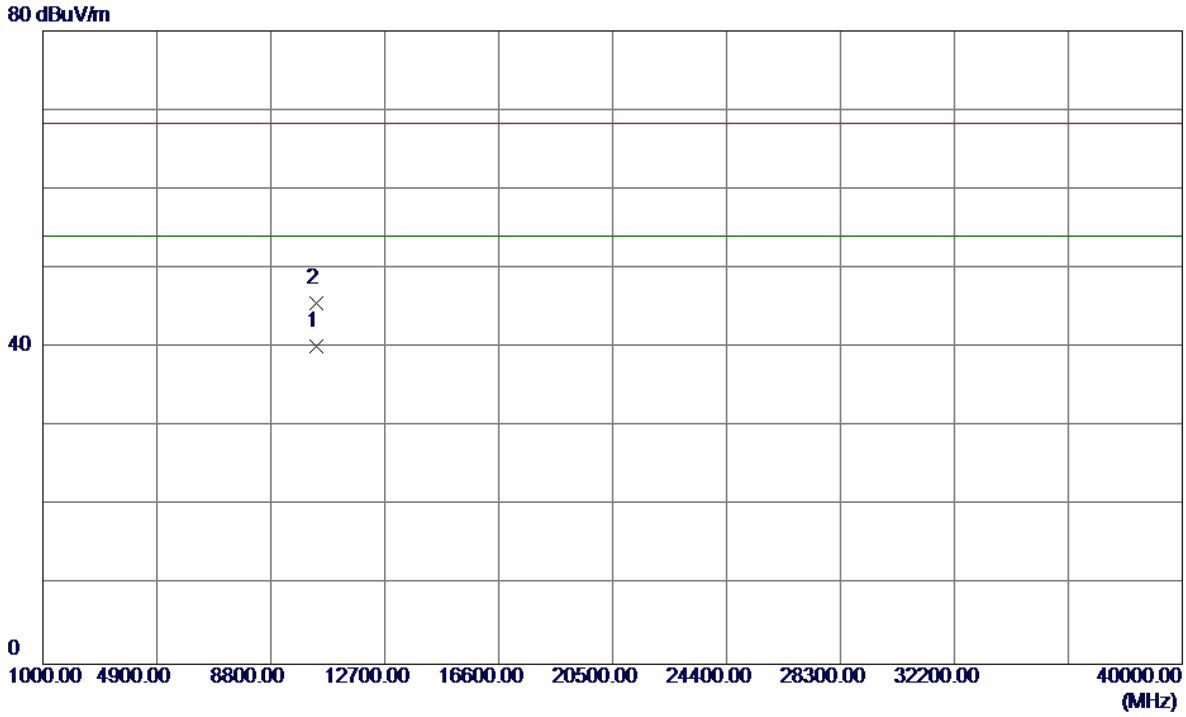
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	7.68	41.35	49.03	68.30	-19.27	peak	
2		5150.000	2.26	41.35	43.61	54.00	-10.39	AVG	
3	X	5184.000	51.07	41.46	92.53	68.30	24.23	peak	No Limit
4	*	5186.300	43.87	41.47	85.34	54.00	31.34	AVG	No Limit

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

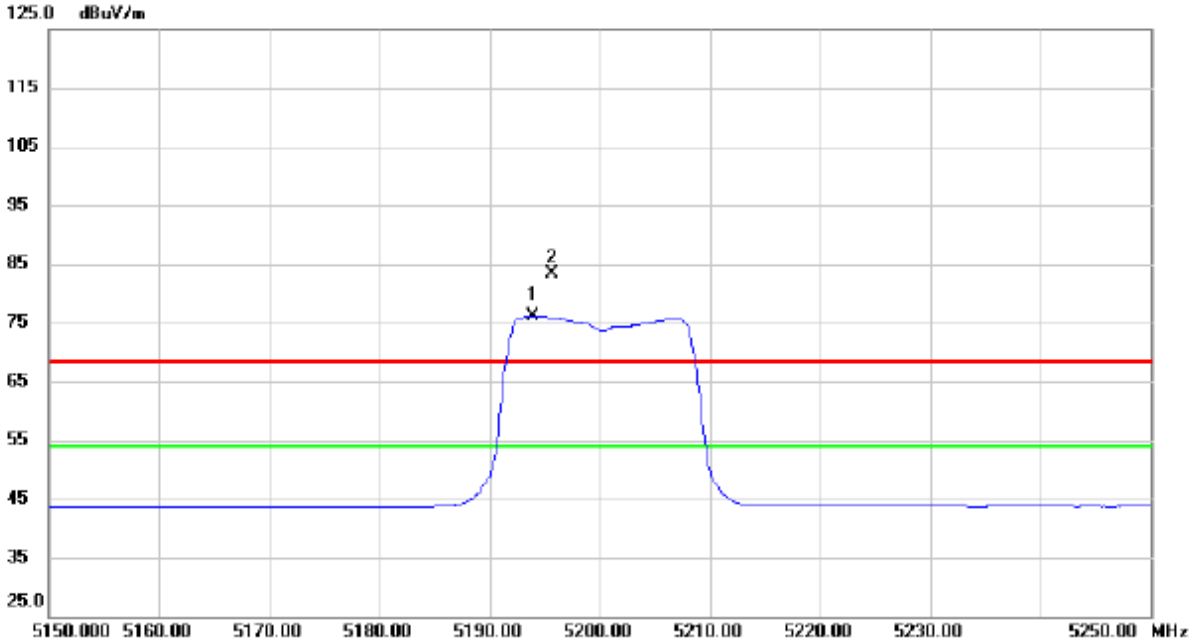
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.3250	25.15	14.96	40.11	54.00	-13.89	AVG	
2	10360.8550	30.56	14.96	45.52	68.30	-22.78	Peak	

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

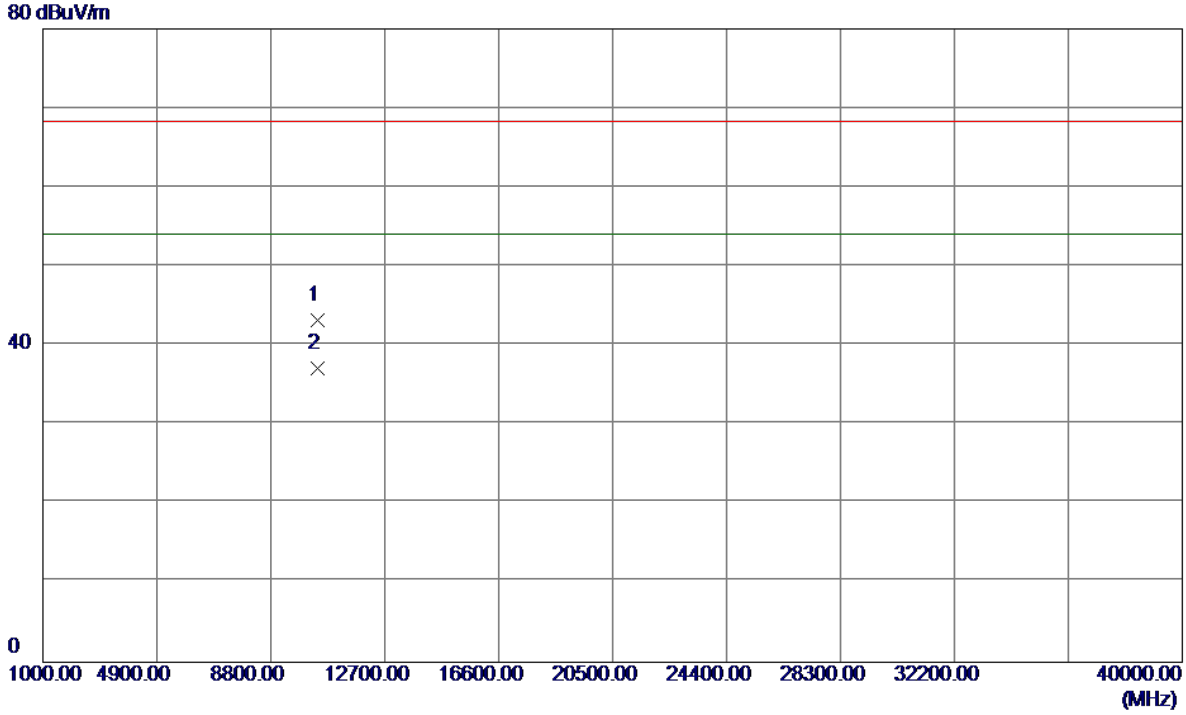
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5193.900	34.62	41.50	76.12	54.00	22.12	AVG	No Limit
2	X	5195.600	41.76	41.50	83.26	68.30	14.96	peak	No Limit

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

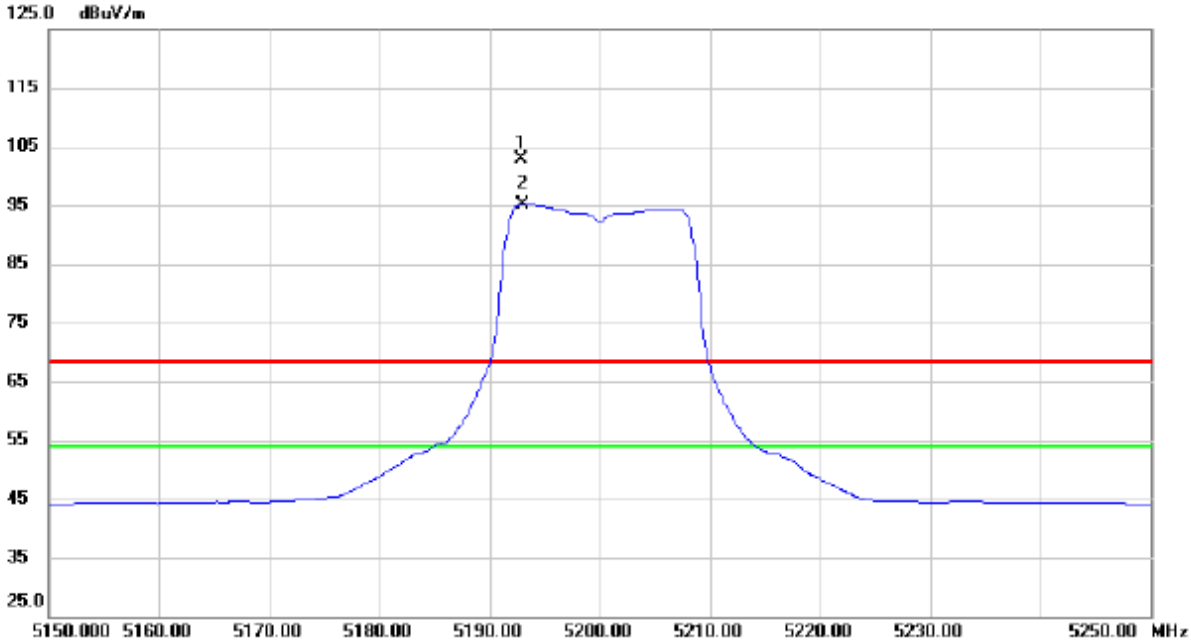
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.5250	28.07	15.06	43.13	68.30	-25.17	Peak	
2 *	10400.5350	22.11	15.06	37.17	54.00	-16.83	AVG	

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

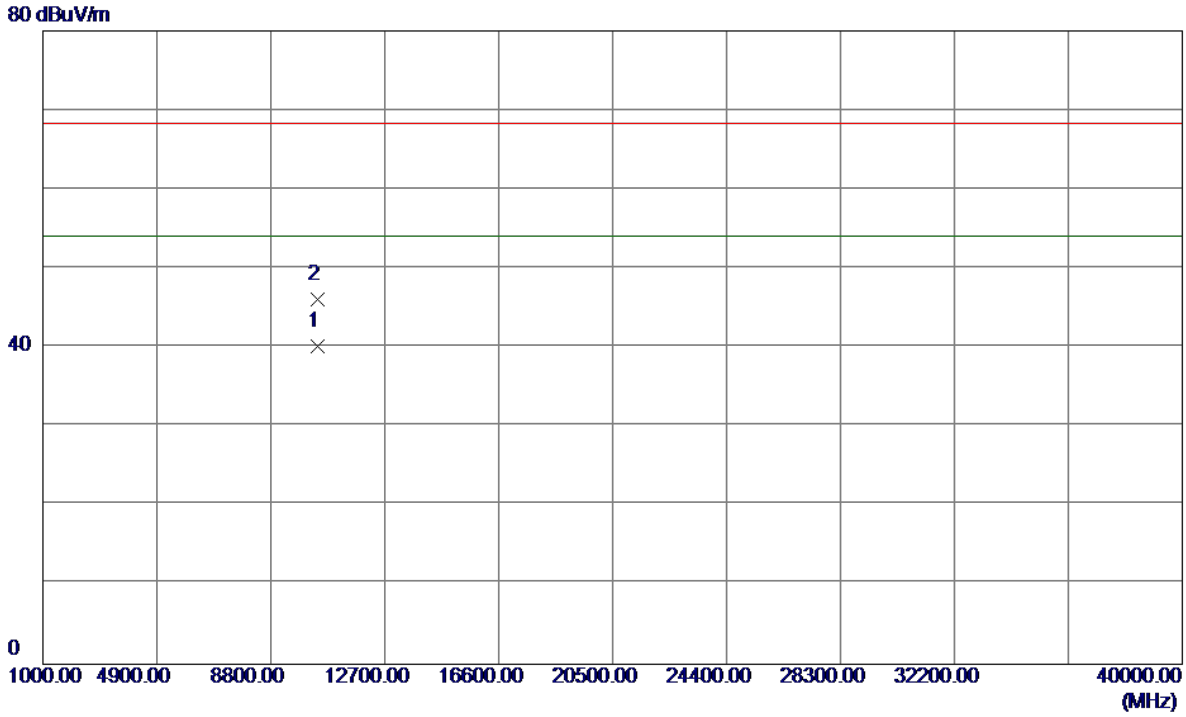
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5192.900	61.41	41.49	102.90	68.30	34.60	peak	No Limit
2	*	5193.000	53.59	41.49	95.08	54.00	41.08	AVG	No Limit

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

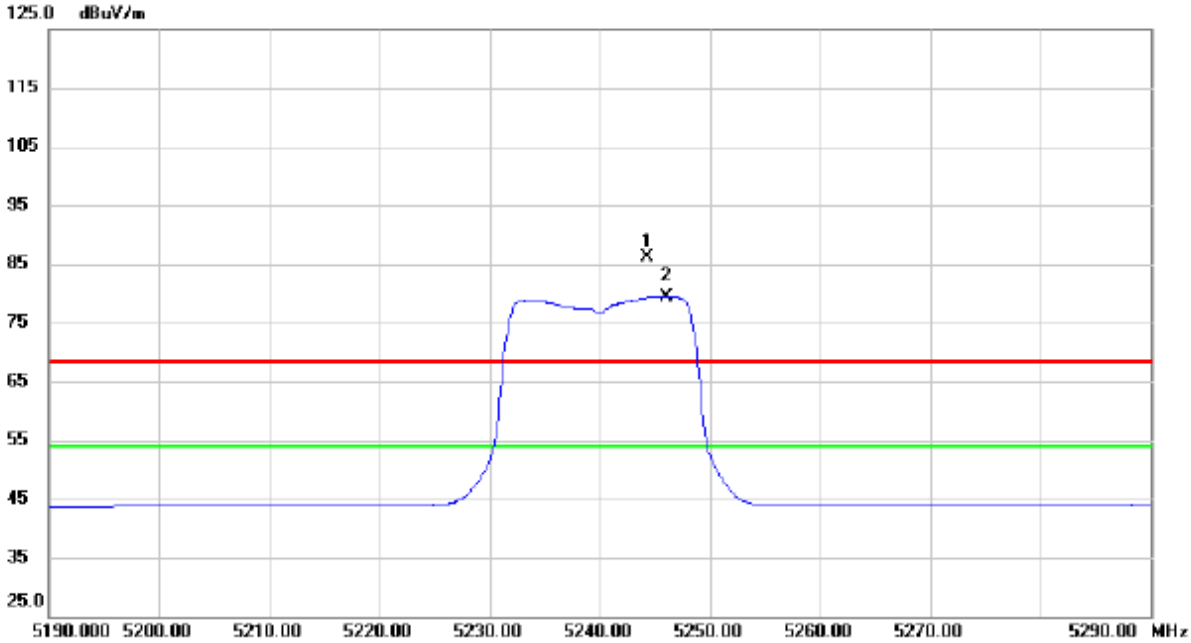
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.3550	25.03	15.06	40.09	54.00	-13.91	AVG	
2	10400.4250	31.09	15.06	46.15	68.30	-22.15	Peak	

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

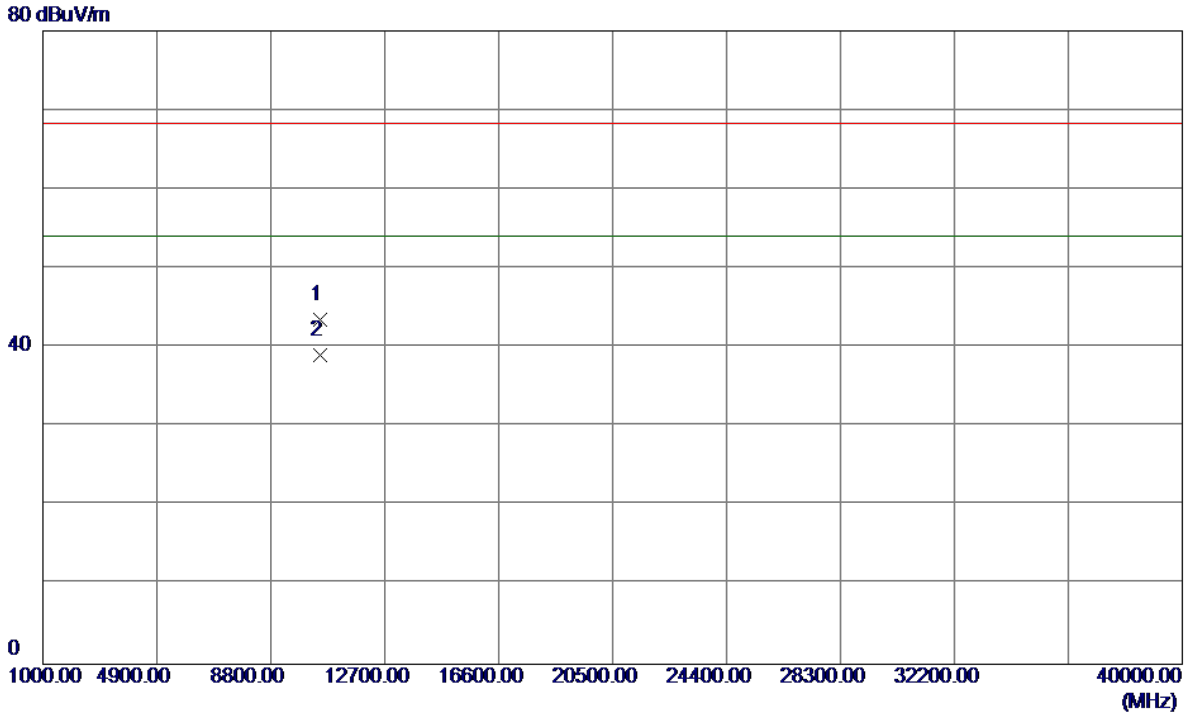
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5244.400	44.57	41.67	86.24	68.30	17.94	peak	No Limit
2	*	5246.000	37.83	41.67	79.50	54.00	25.50	AVG	No Limit

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

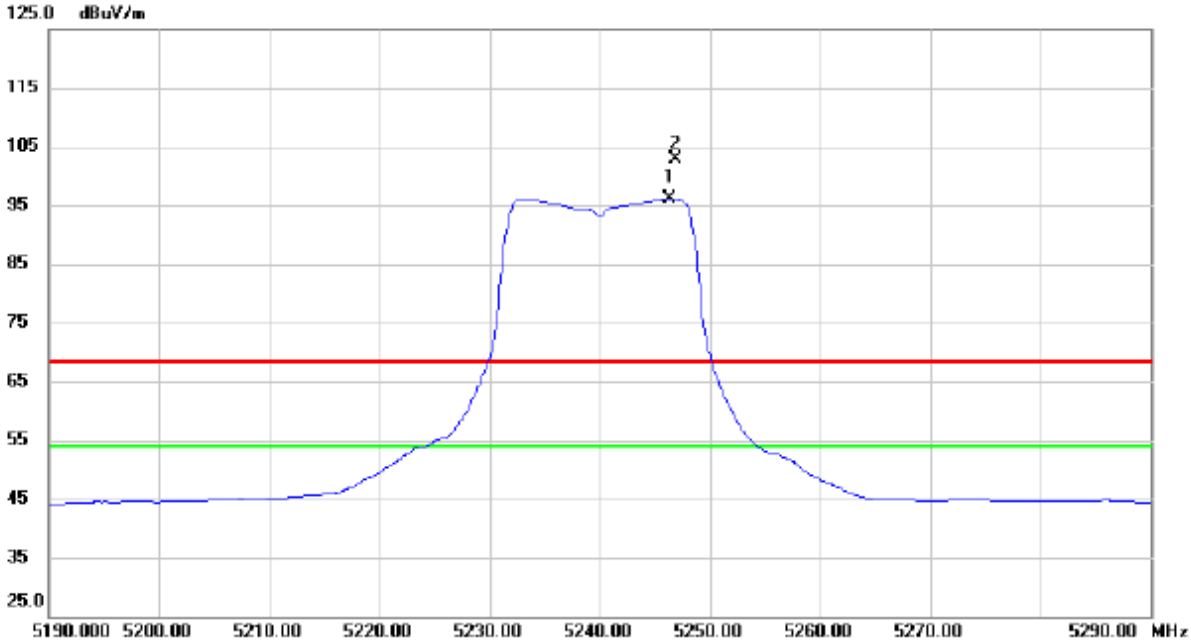
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.8099	28.25	15.25	43.50	68.30	-24.80	Peak	
2 *	10480.8800	23.77	15.25	39.02	54.00	-14.98	AVG	

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

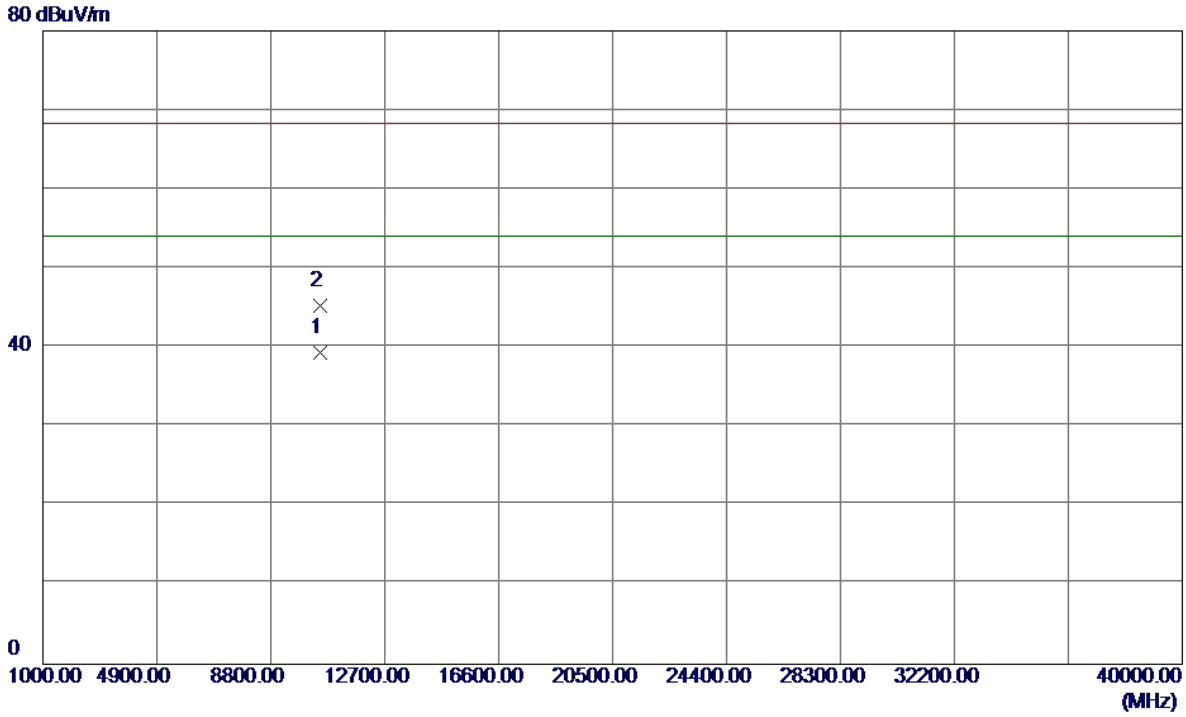
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5246.400	54.43	41.67	96.10	54.00	42.10	AVG	No Limit
2	X	5246.800	61.15	41.67	102.82	68.30	34.52	peak	No Limit

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

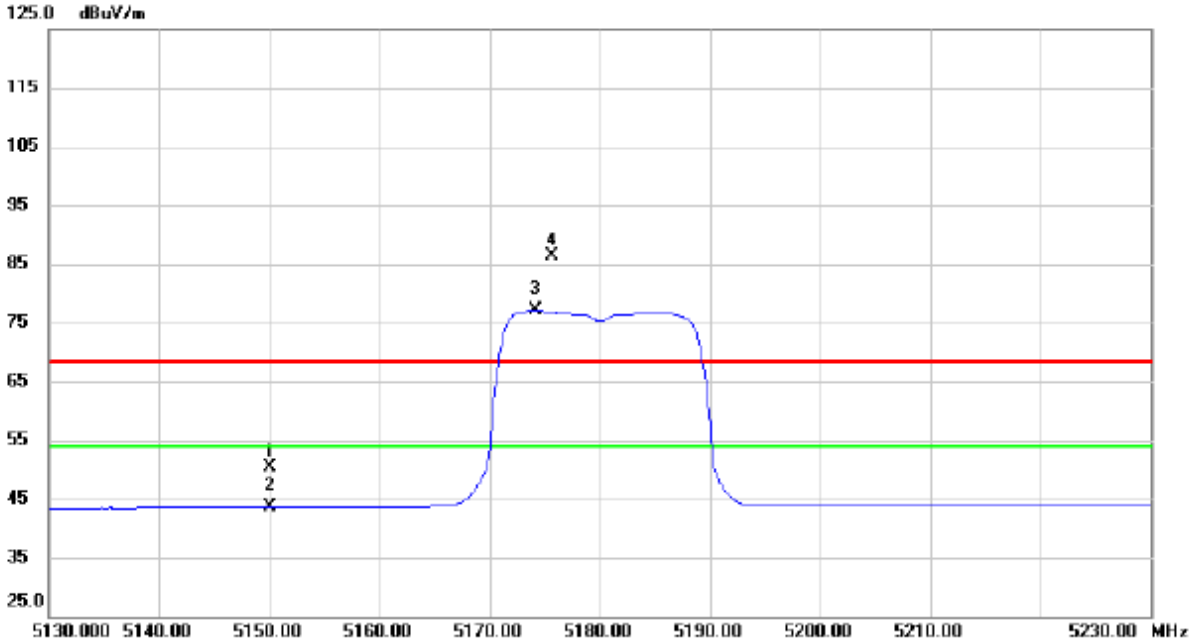
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.7500	24.05	15.24	39.29	54.00	-14.71	AVG	
2	10480.8500	30.08	15.25	45.33	68.30	-22.97	Peak	

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

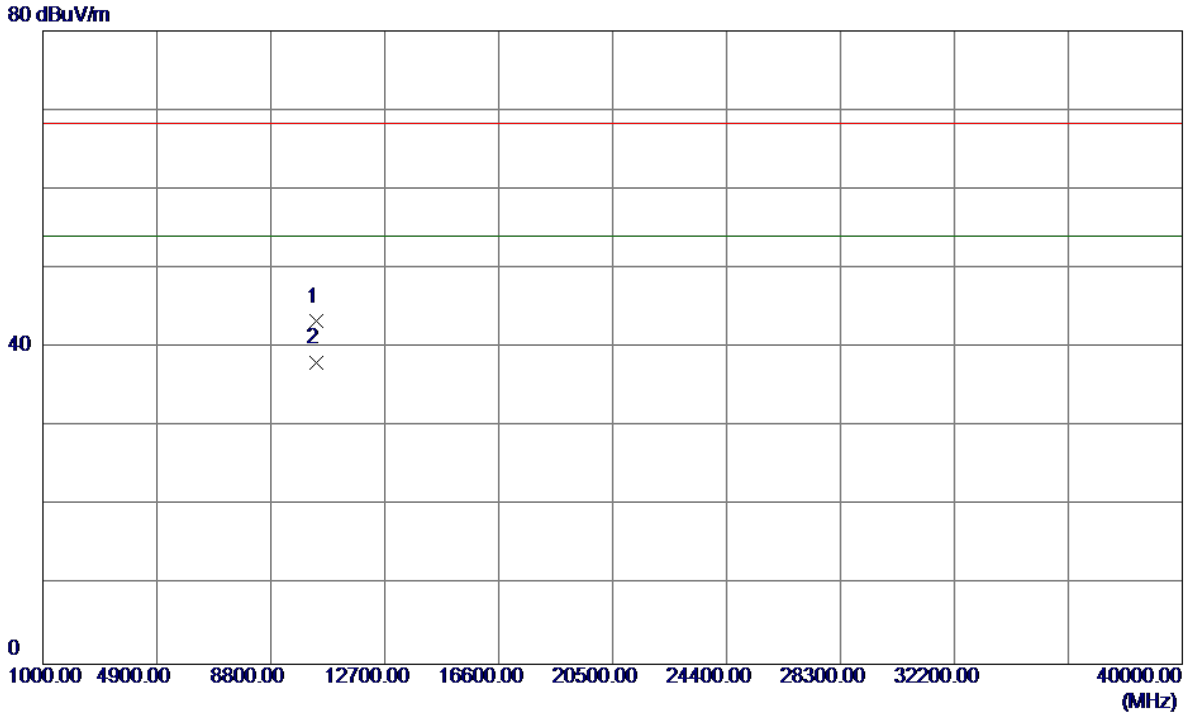
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	9.04	41.35	50.39	68.30	-17.91	peak	
2		5150.000	2.29	41.35	43.64	54.00	-10.36	AVG	
3	*	5174.200	35.67	41.43	77.10	54.00	23.10	AVG	No Limit
4	X	5175.700	45.07	41.43	86.50	68.30	18.20	peak	No Limit

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

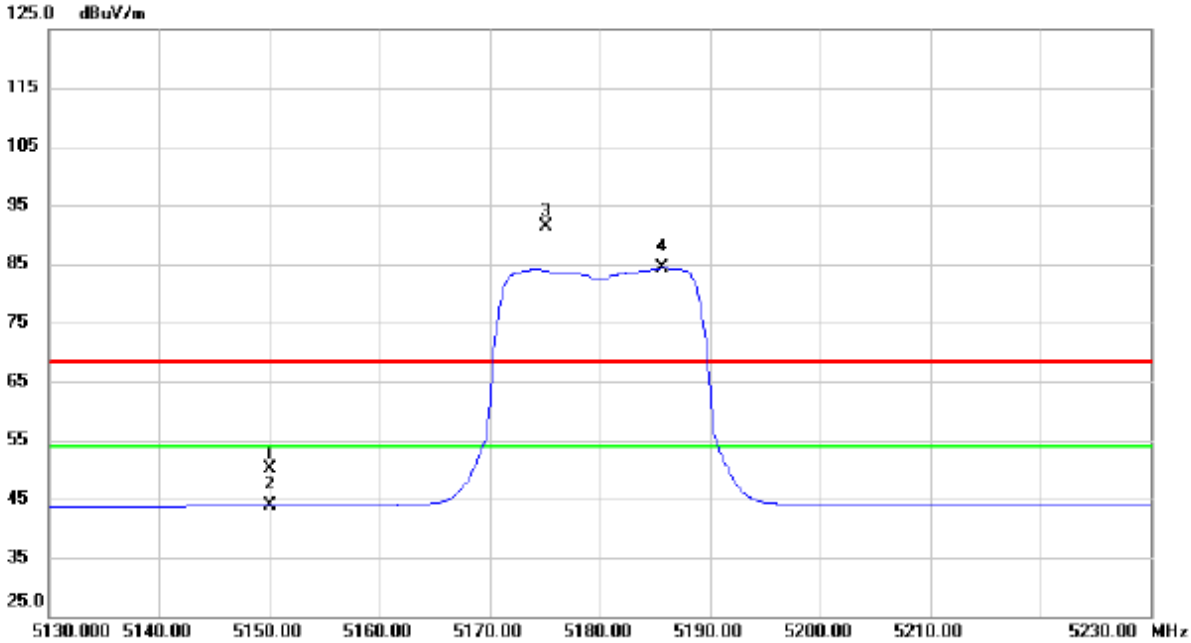
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.8650	28.32	14.96	43.28	68.30	-25.02	Peak	
2 *	10360.8700	23.10	14.96	38.06	54.00	-15.94	AVG	

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

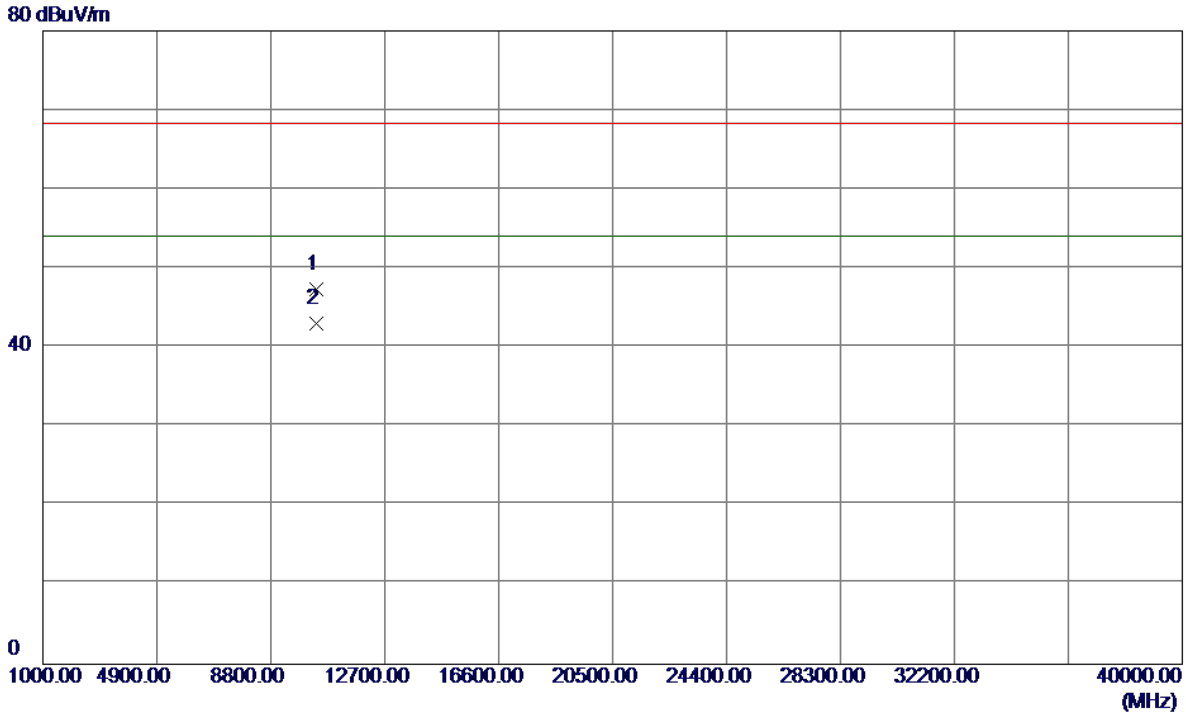
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	8.78	41.35	50.13	68.30	-18.17	peak	
2		5150.000	2.48	41.35	43.83	54.00	-10.17	AVG	
3	X	5175.200	50.06	41.43	91.49	68.30	23.19	peak	No Limit
4	*	5185.700	42.83	41.47	84.30	54.00	30.30	AVG	No Limit

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

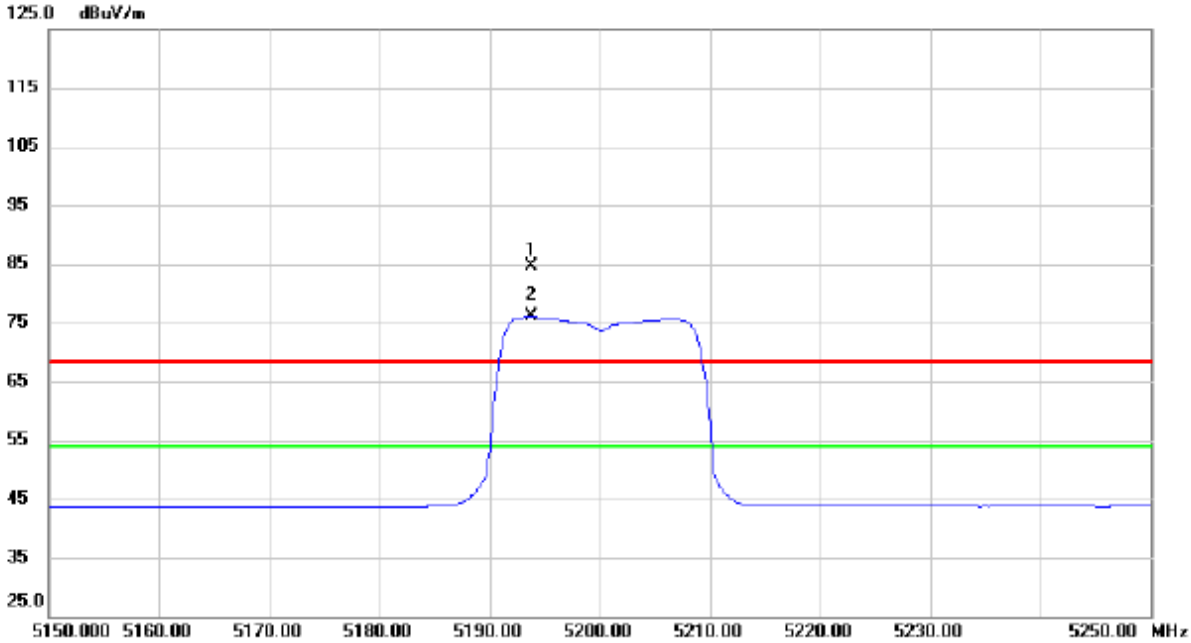
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.7550	32.37	14.96	47.33	68.30	-20.97	Peak	
2 *	10360.8000	28.15	14.96	43.11	54.00	-10.89	AVG	

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

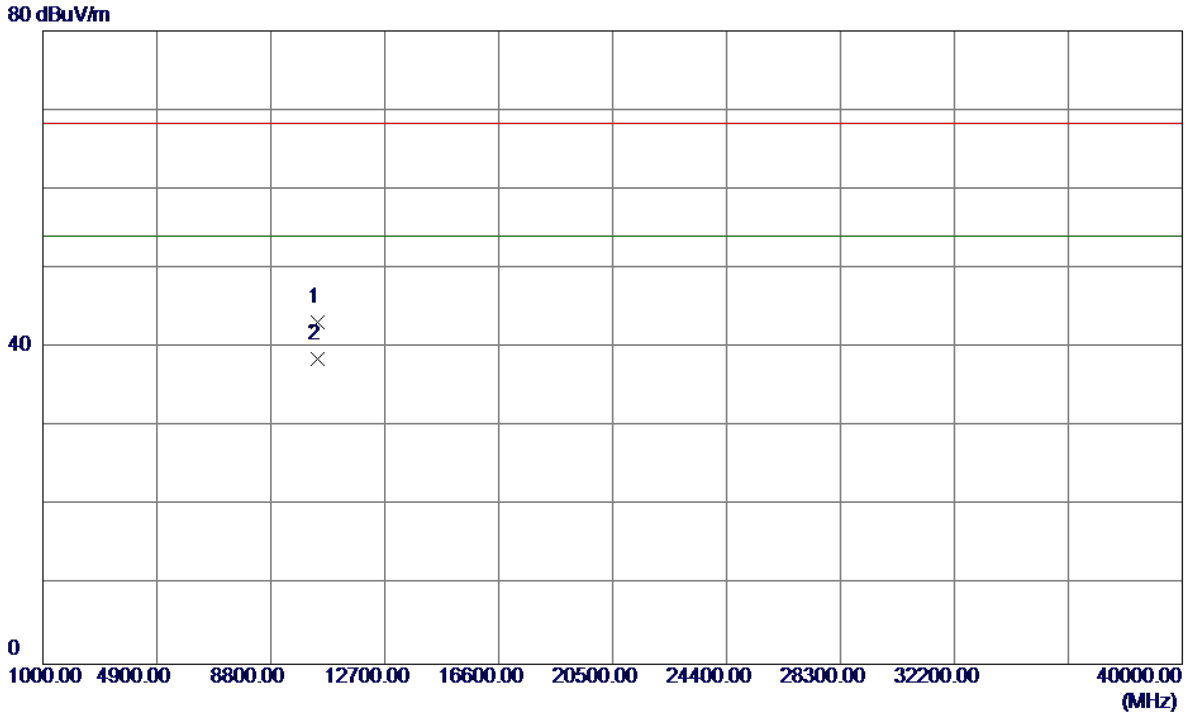
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5193.800	43.14	41.50	84.64	68.30	16.34	peak	No Limit
2	*	5193.800	34.55	41.50	76.05	54.00	22.05	AVG	No Limit

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

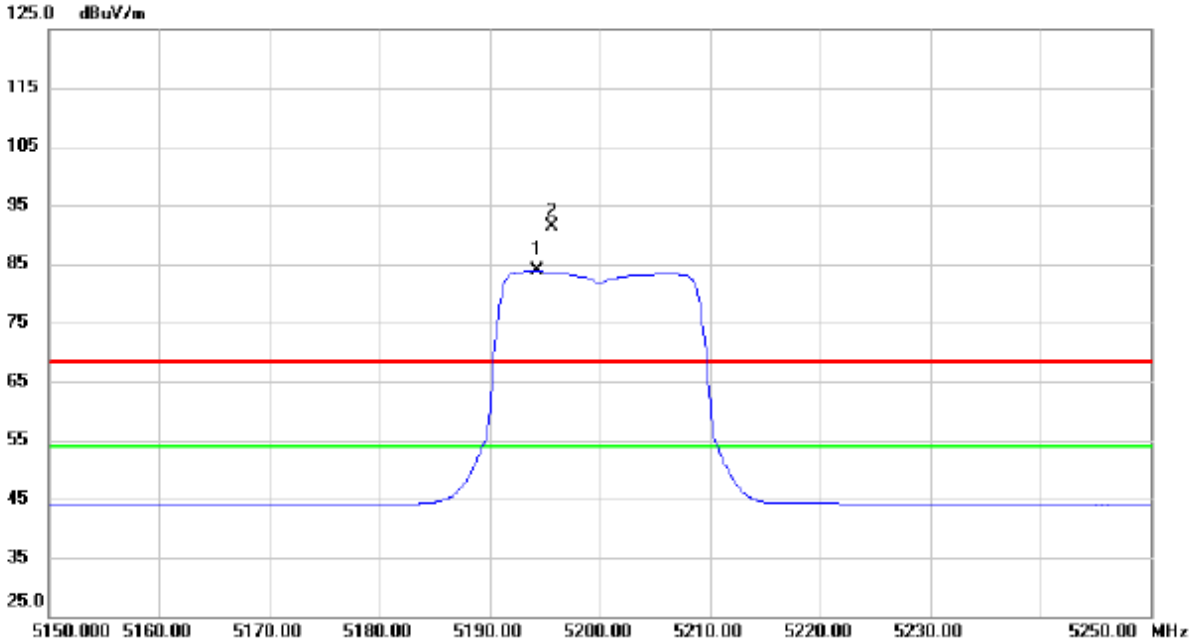
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.5100	28.07	15.06	43.13	68.30	-25.17	Peak	
2 *	10400.5599	23.44	15.06	38.50	54.00	-15.50	AVG	

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

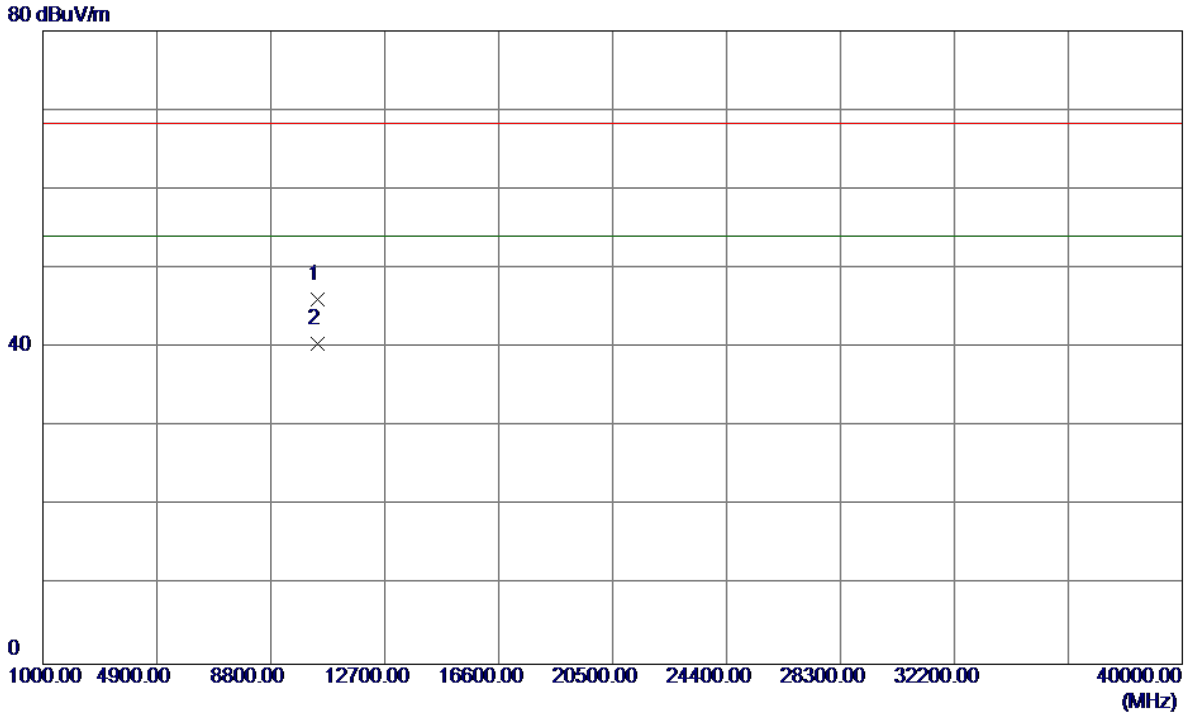
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5194.300	42.45	41.50	83.95	54.00	29.95	AVG	No Limit
2	X	5195.700	49.84	41.50	91.34	68.30	23.04	peak	No Limit

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

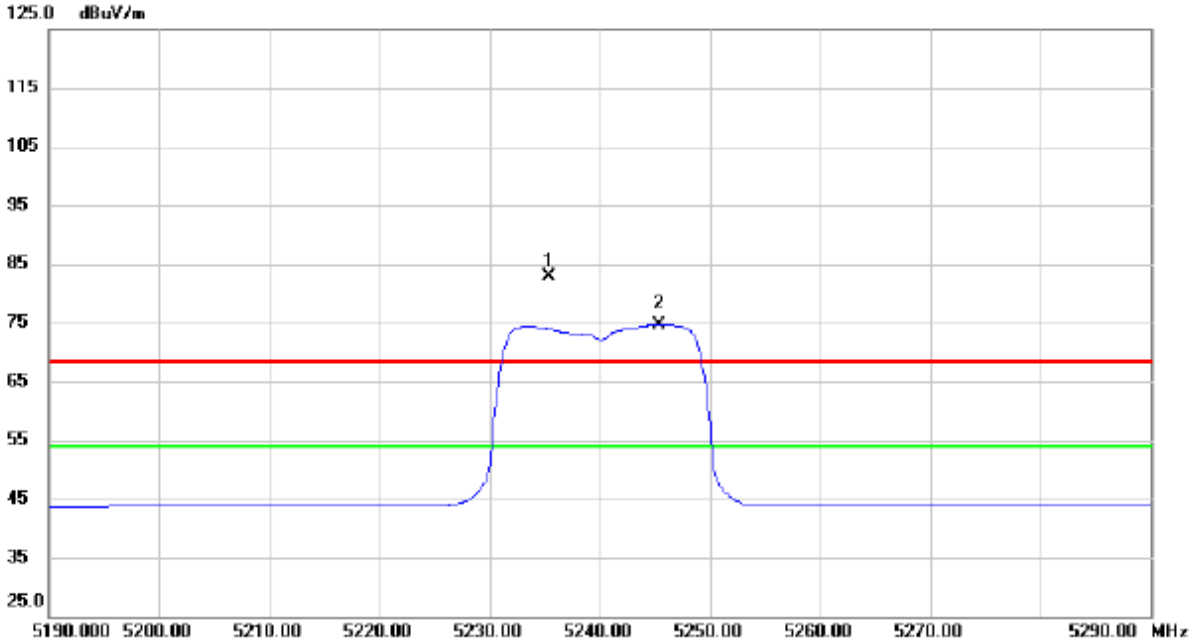
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.5500	31.03	15.06	46.09	68.30	-22.21	Peak	
2 *	10400.5800	25.46	15.06	40.52	54.00	-13.48	AVG	

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

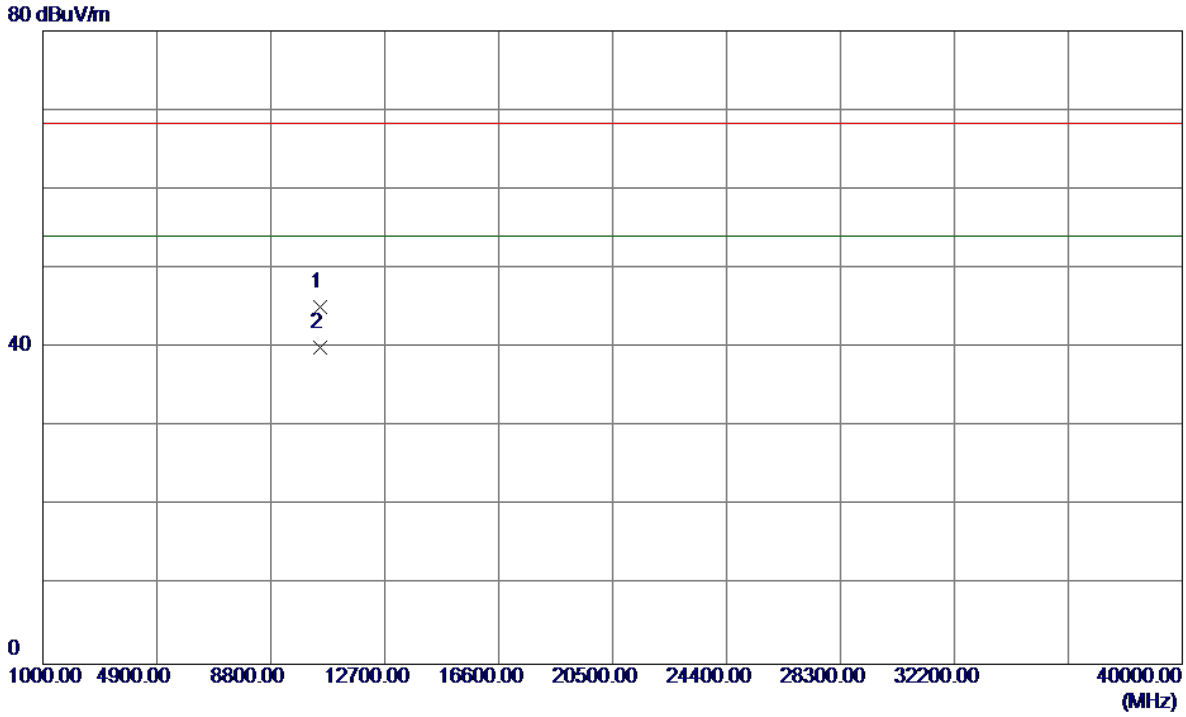
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5235.400	41.15	41.63	82.78	68.30	14.48	peak	No Limit
2	*	5245.400	32.98	41.67	74.65	54.00	20.65	AVG	No Limit

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

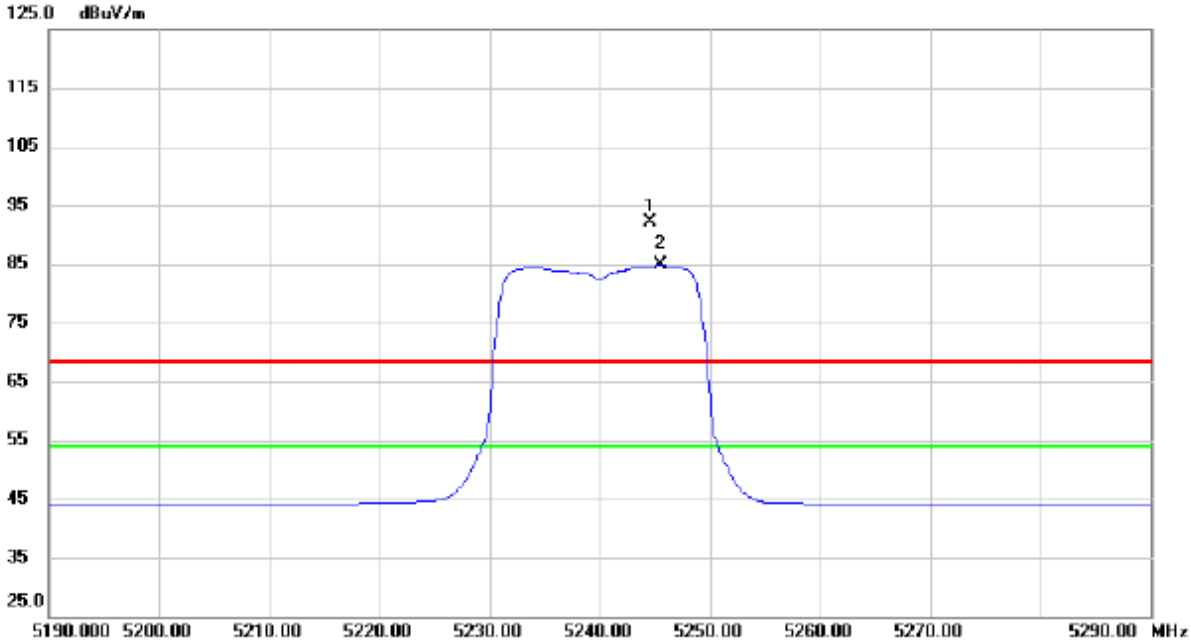
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.8900	29.85	15.25	45.10	68.30	-23.20	Peak	
2 *	10480.9200	24.74	15.25	39.99	54.00	-14.01	AVG	

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

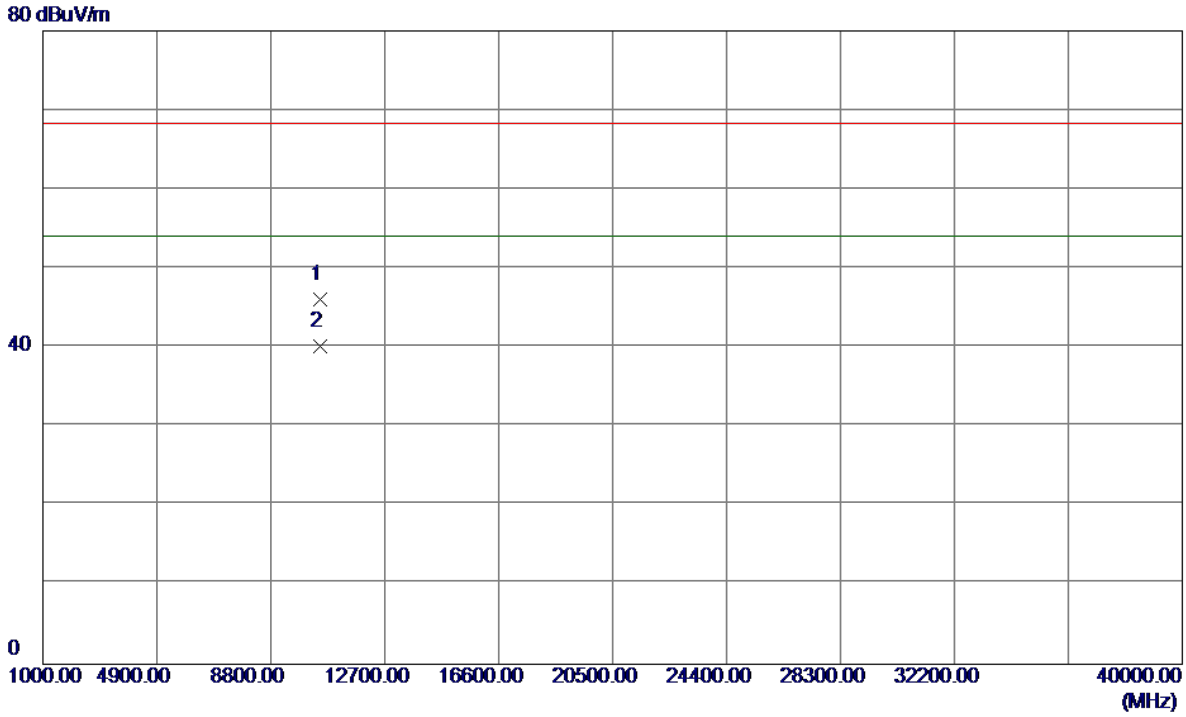
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5244.600	50.55	41.67	92.22	68.30	23.92	peak	No Limit
2	*	5245.500	43.17	41.67	84.84	54.00	30.84	AVG	No Limit

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

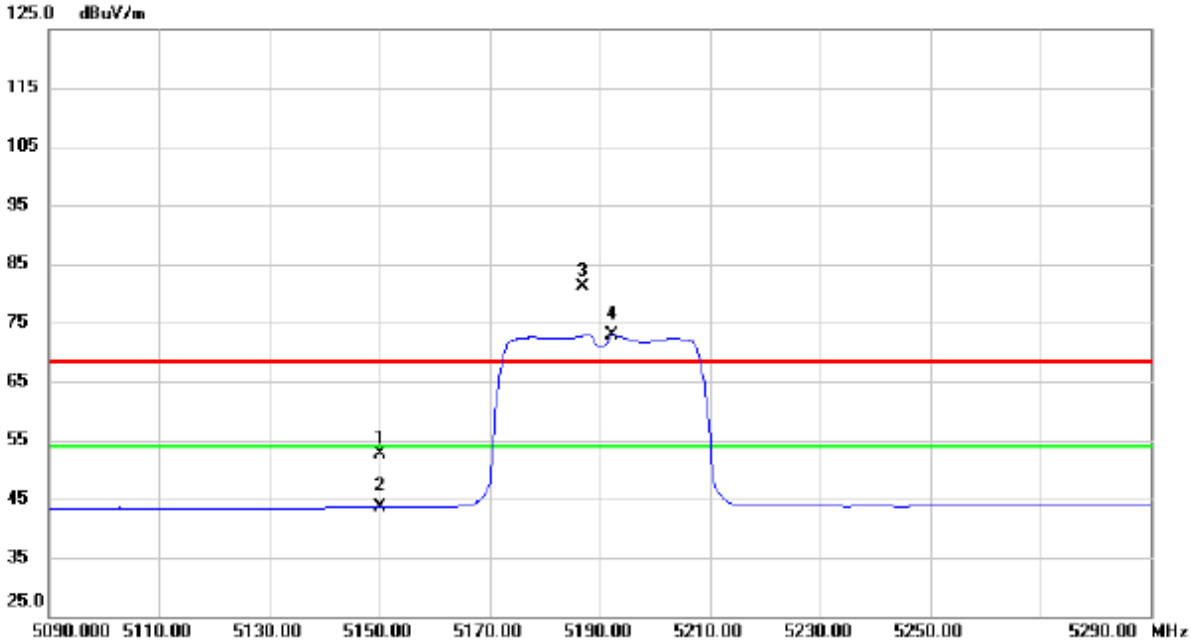
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.7800	30.84	15.25	46.09	68.30	-22.21	Peak	
2 *	10480.8900	24.94	15.25	40.19	54.00	-13.81	AVG	

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

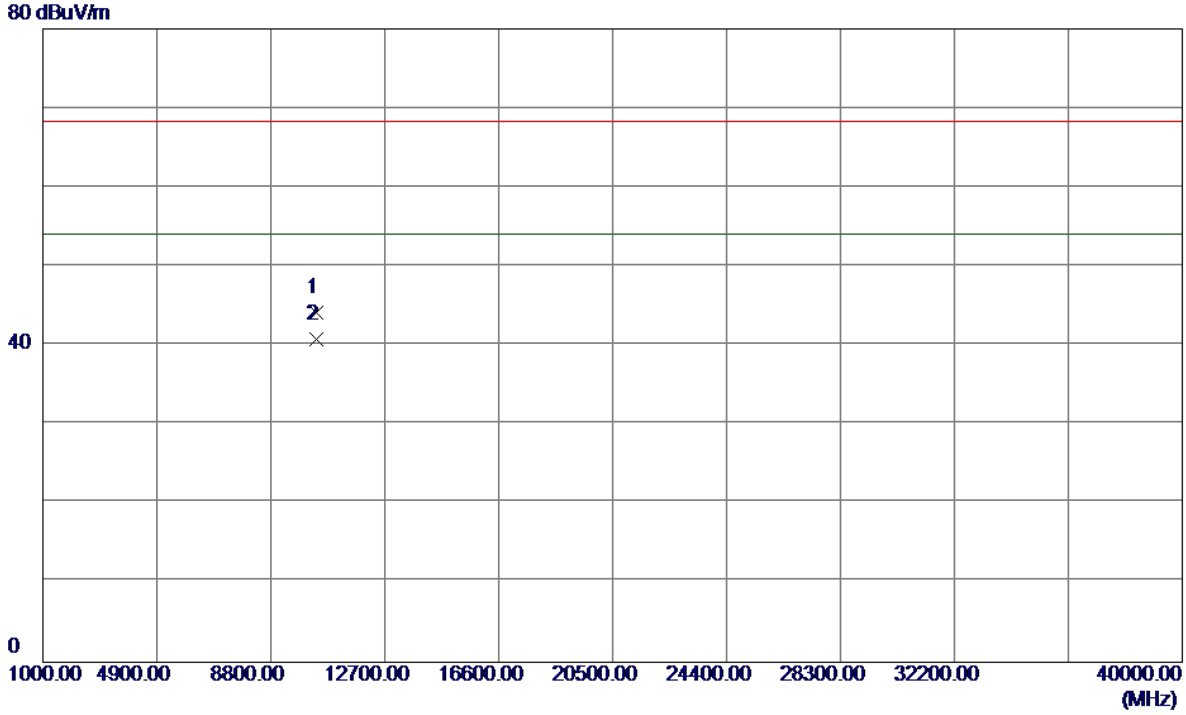
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	11.32	41.35	52.67	68.30	-15.63	peak	
2		5150.000	2.28	41.35	43.63	54.00	-10.37	AVG	
3	X	5187.000	39.72	41.47	81.19	68.30	12.89	peak	No Limit
4	*	5192.400	31.47	41.49	72.96	54.00	18.96	AVG	No Limit

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

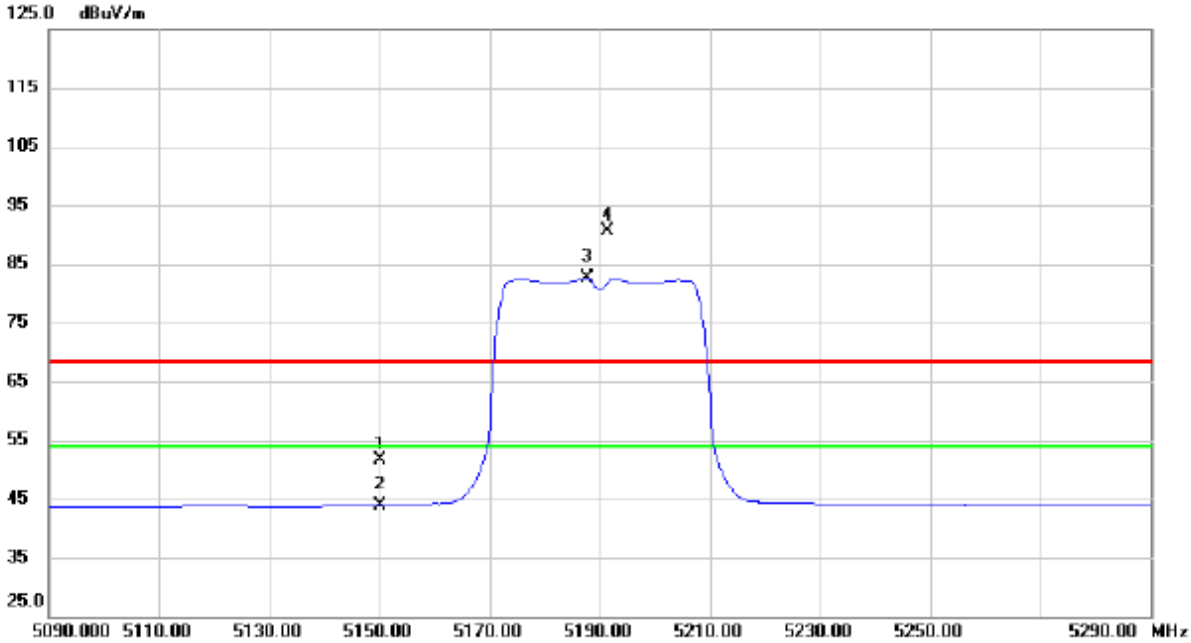
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.1900	29.10	15.01	44.11	68.30	-24.19	Peak	
2 *	10380.2050	25.79	15.01	40.80	54.00	-13.20	AVG	

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

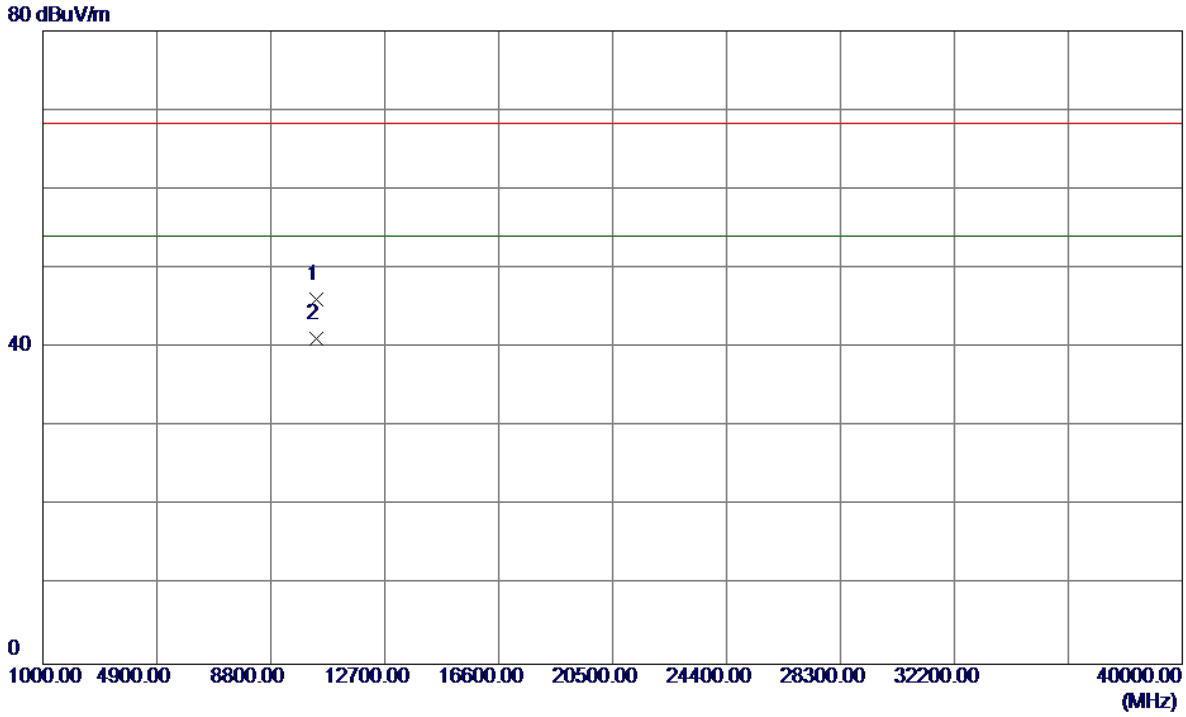
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	10.30	41.35	51.65	68.30	-16.65	peak	
2		5150.000	2.62	41.35	43.97	54.00	-10.03	AVG	
3	*	5187.800	41.12	41.47	82.59	54.00	28.59	AVG	No Limit
4	X	5191.400	49.09	41.49	90.58	68.30	22.28	peak	No Limit

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

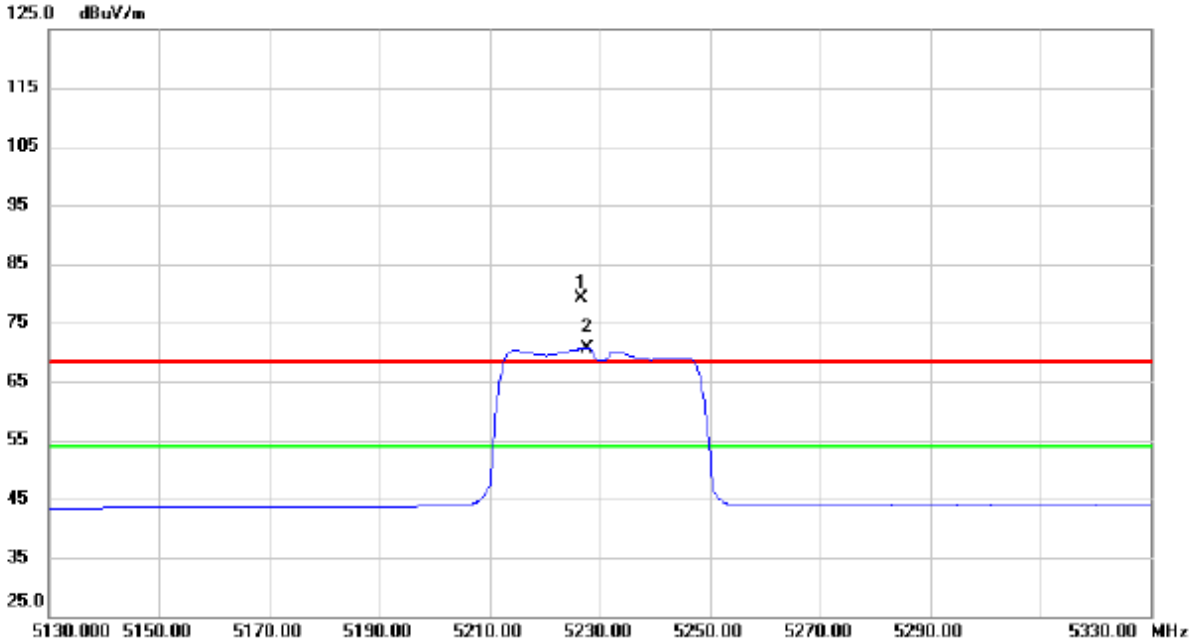
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.2250	31.11	15.01	46.12	68.30	-22.18	Peak	
2 *	10380.2500	26.09	15.01	41.10	54.00	-12.90	AVG	

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

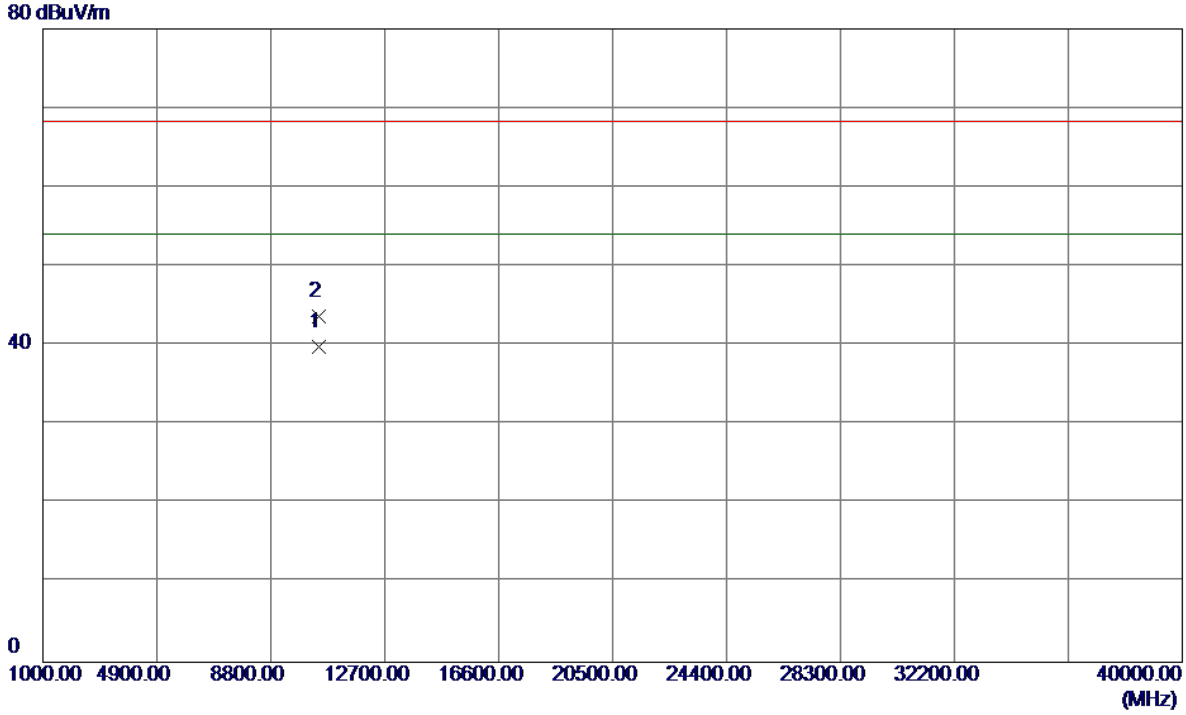
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5226.600	37.45	41.60	79.05	68.30	10.75	peak	No Limit
2	*	5227.800	29.07	41.61	70.68	54.00	16.68	AVG	No Limit

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

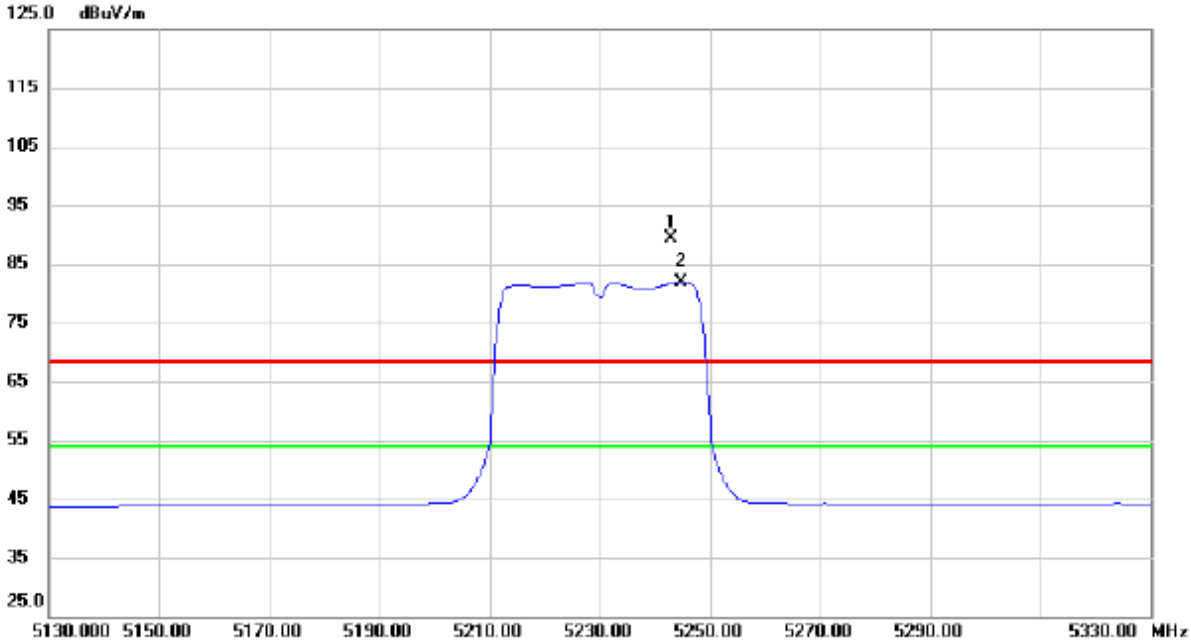
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.5850	24.68	15.20	39.88	54.00	-14.12	AVG	
2	10460.5950	28.47	15.20	43.67	68.30	-24.63	Peak	

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

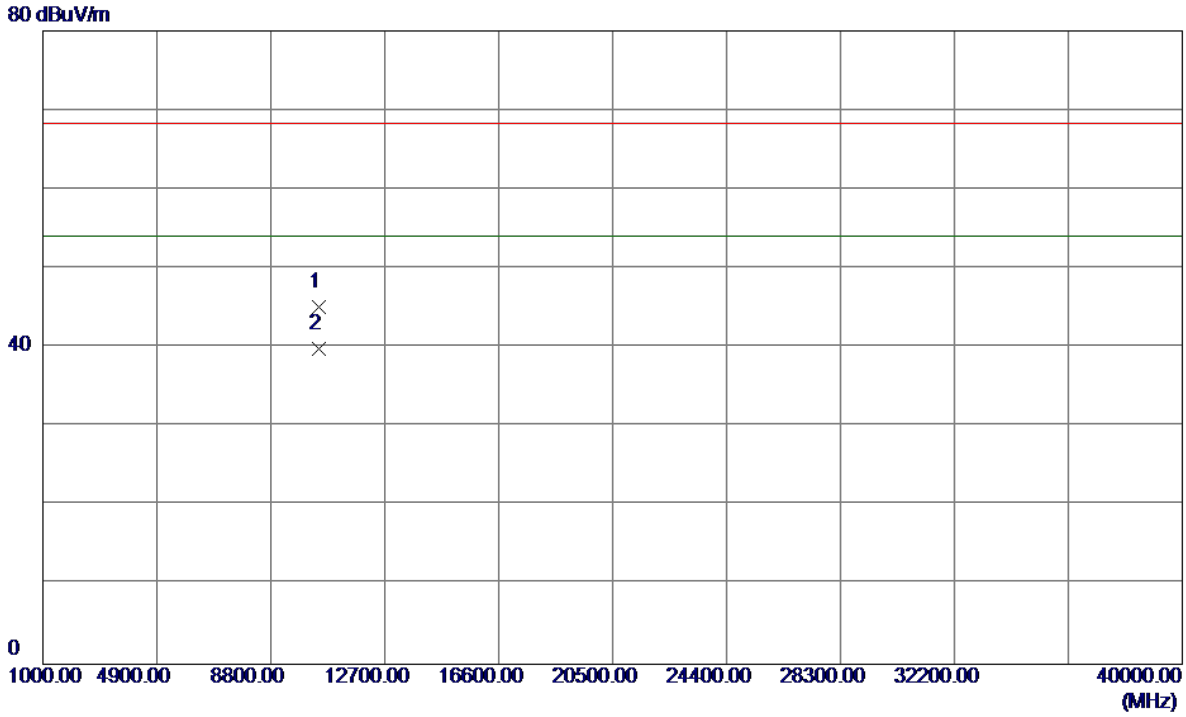
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5243.000	47.68	41.66	89.34	68.30	21.04	peak	No Limit
2	*	5244.800	40.23	41.67	81.90	54.00	27.90	AVG	No Limit

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

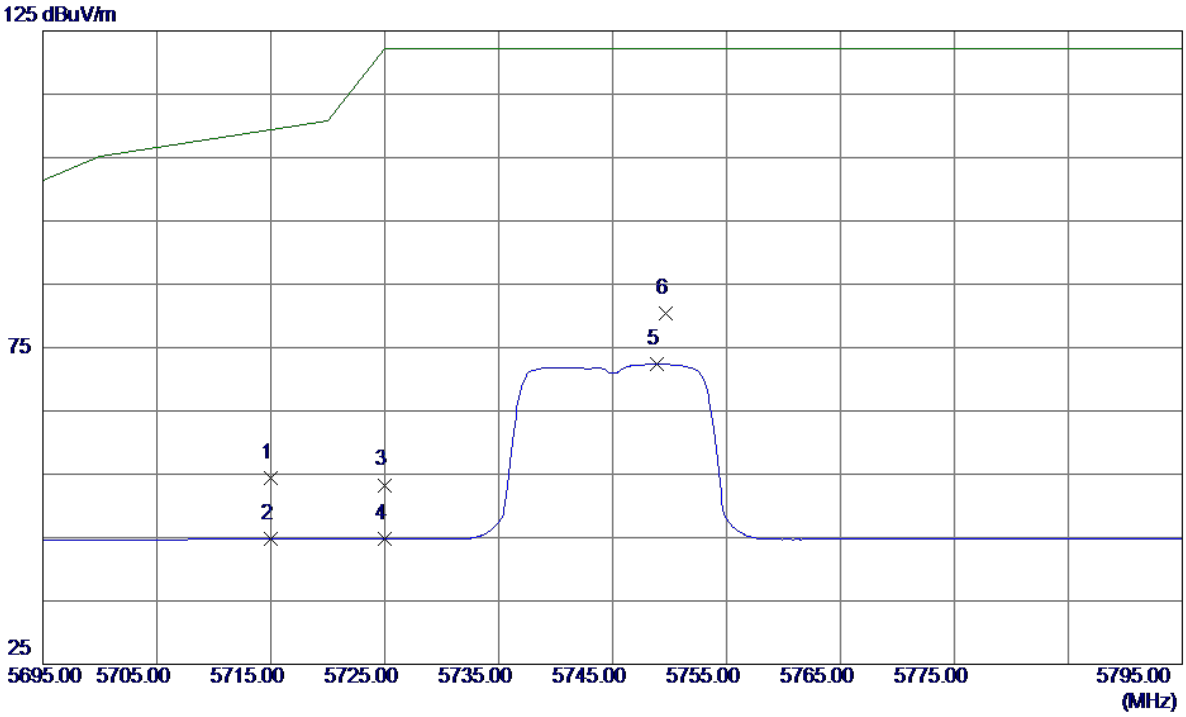
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.5650	29.95	15.20	45.15	68.30	-23.15	Peak	
2 *	10460.5750	24.71	15.20	39.91	54.00	-14.09	AVG	

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

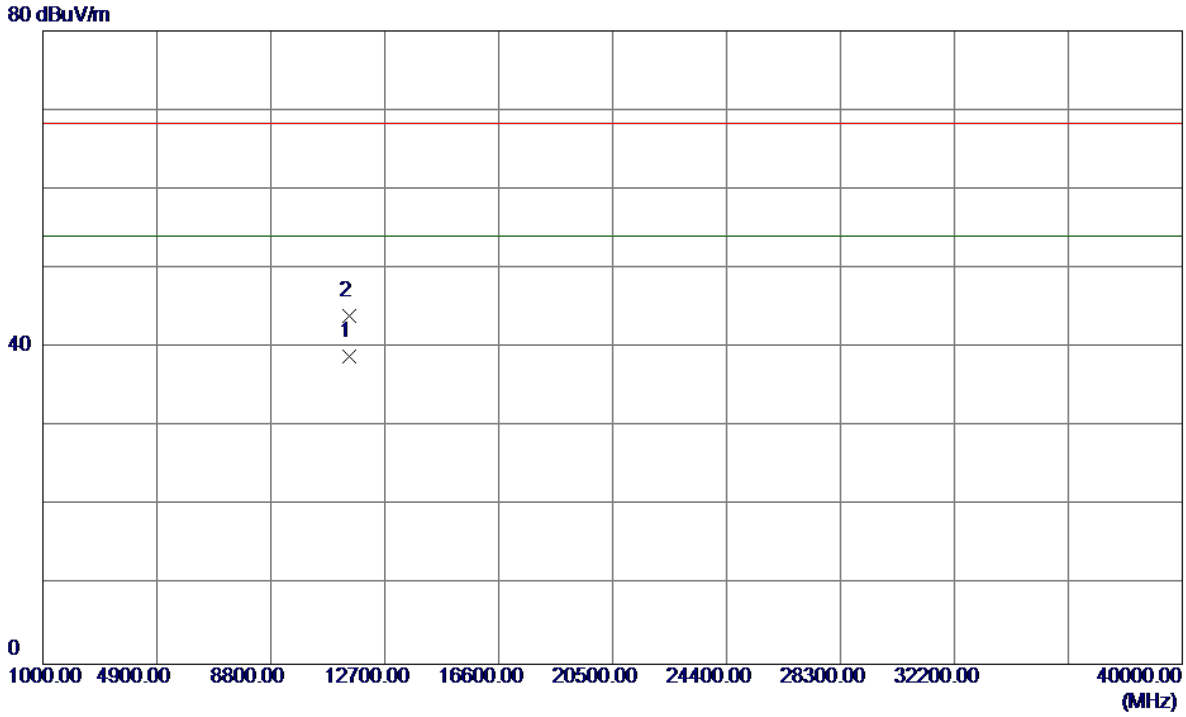
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	11.68	42.72	54.40	109.40	-55.00	Peak	
2	5715.0000	2.13	42.72	44.85	109.40	-64.55	AVG	
3	5725.0000	10.57	42.73	53.30	122.20	-68.90	Peak	
4	5725.0000	2.09	42.73	44.82	122.20	-77.38	AVG	
5	5748.9000	29.65	42.75	72.40	122.20	-49.80	AVG	
6 *	5749.7000	37.62	42.75	80.37	122.20	-41.83	Peak	

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

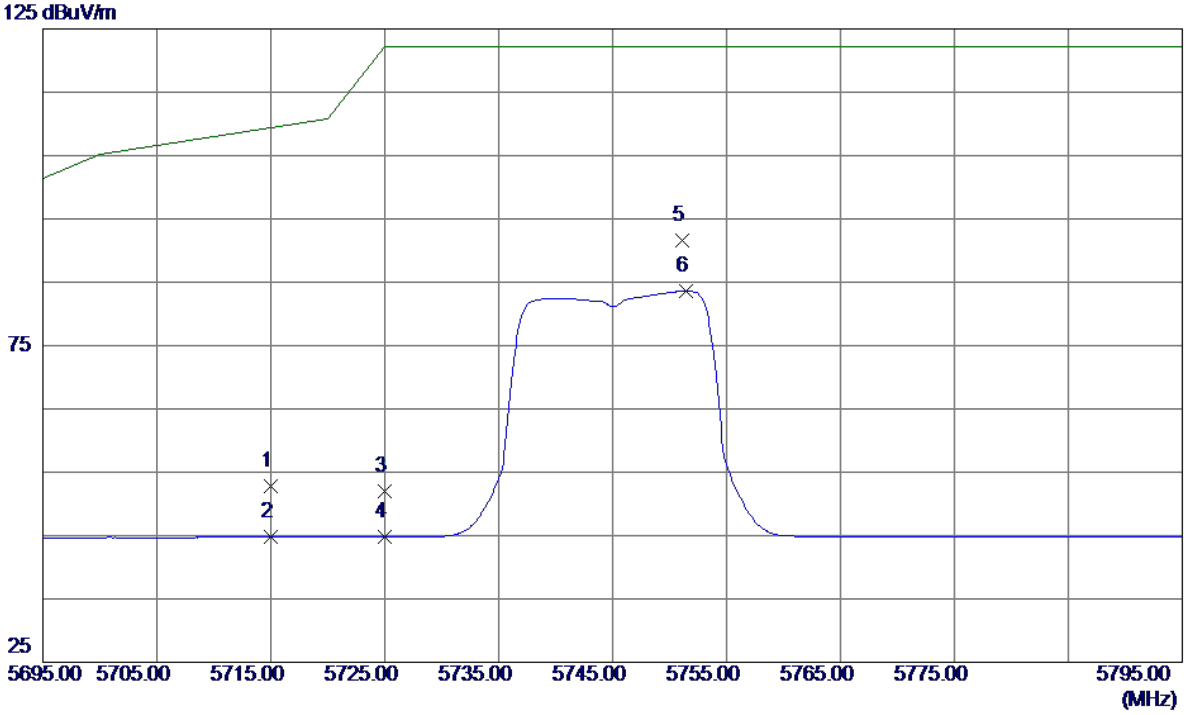
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11490.2550	23.42	15.49	38.91	54.00	-15.09	AVG	
2	11490.3900	28.44	15.49	43.93	68.30	-24.37	Peak	

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

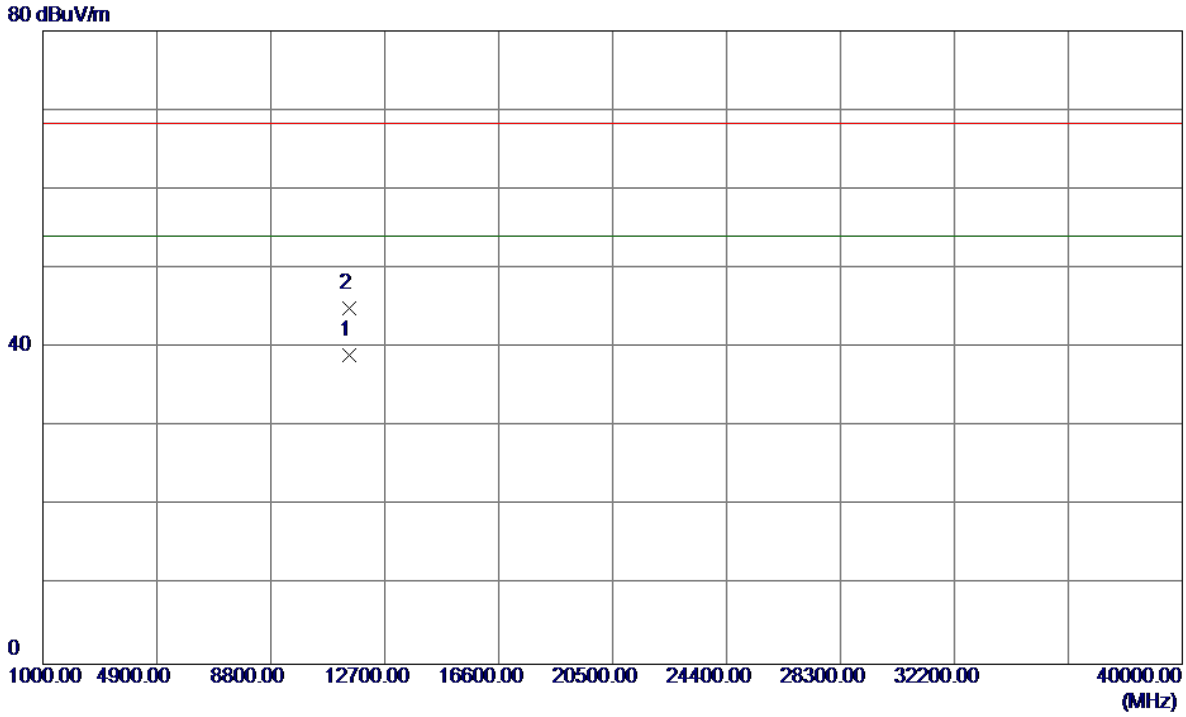
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	10.11	42.72	52.83	109.40	-56.57	Peak	
2	5715.0000	2.09	42.72	44.81	109.40	-64.59	AVG	
3	5725.0000	9.29	42.73	52.02	122.20	-70.18	Peak	
4	5725.0000	2.05	42.73	44.78	122.20	-77.42	AVG	
5 *	5751.1000	48.89	42.75	91.64	122.20	-30.56	Peak	
6	5751.4000	40.84	42.75	83.59	122.20	-38.61	AVG	

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

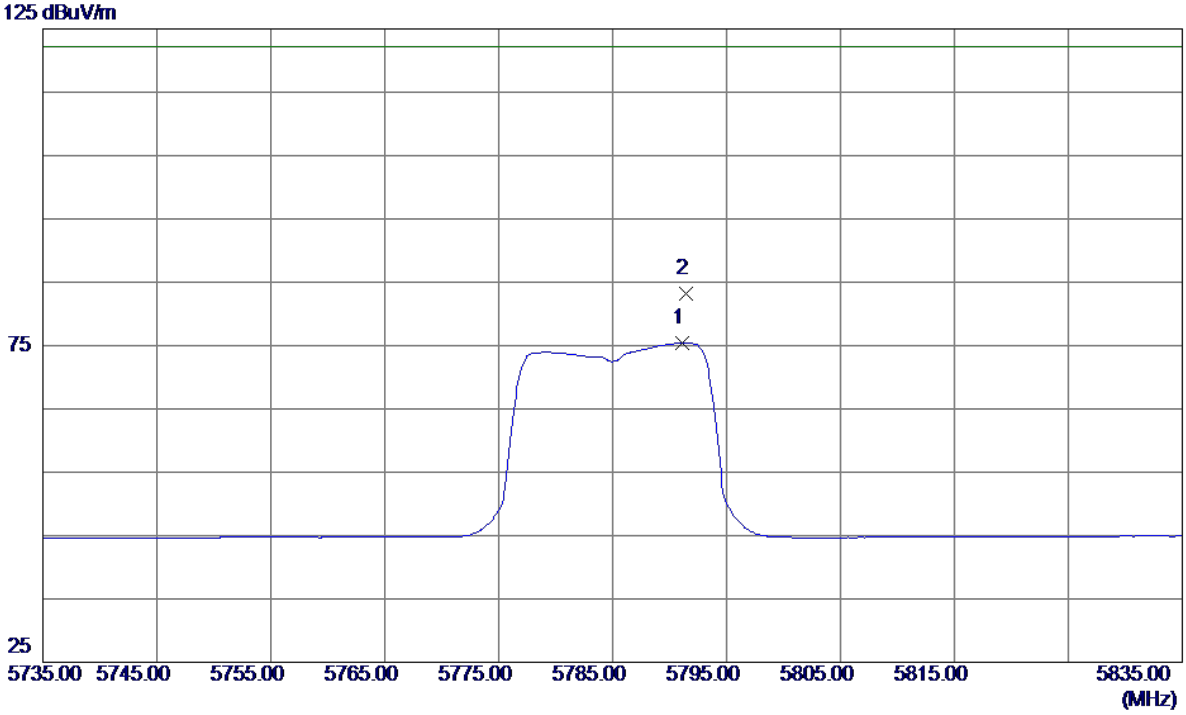
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11490.2500	23.58	15.49	39.07	54.00	-14.93	AVG	
2	11490.3700	29.53	15.49	45.02	68.30	-23.28	Peak	

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

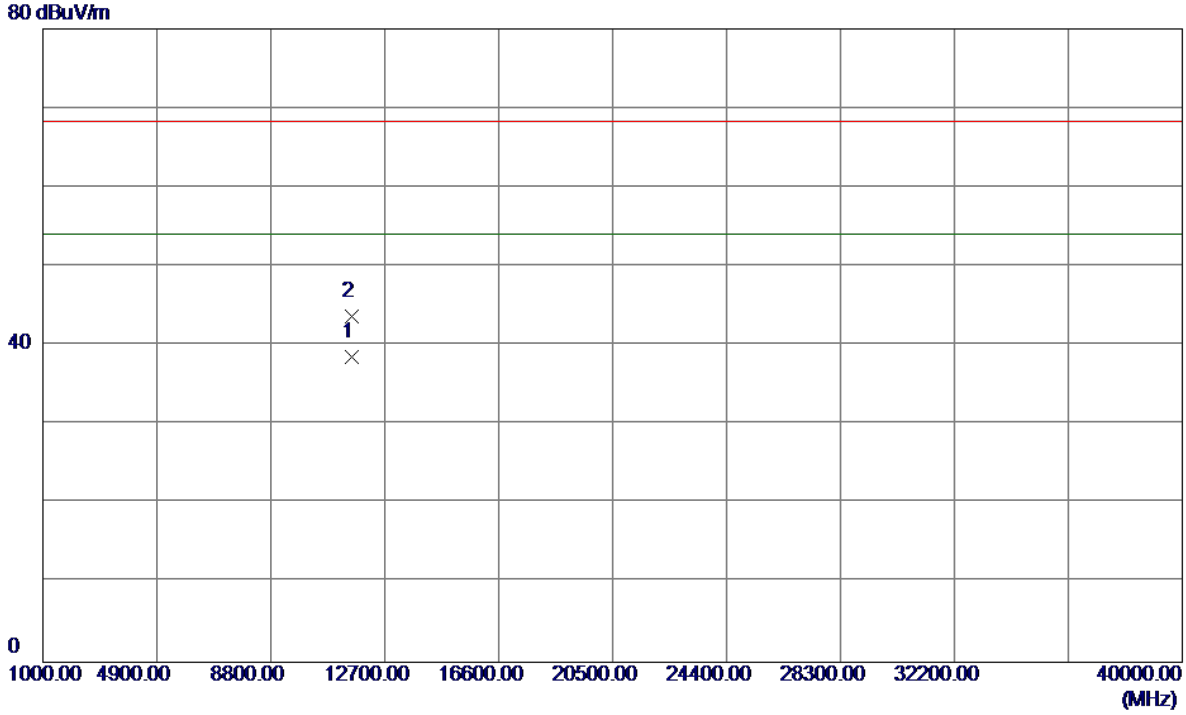
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5791.1000	32.64	42.79	75.43	122.20	-46.77	AVG	
2 *	5791.4000	40.35	42.79	83.14	122.20	-39.06	Peak	

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

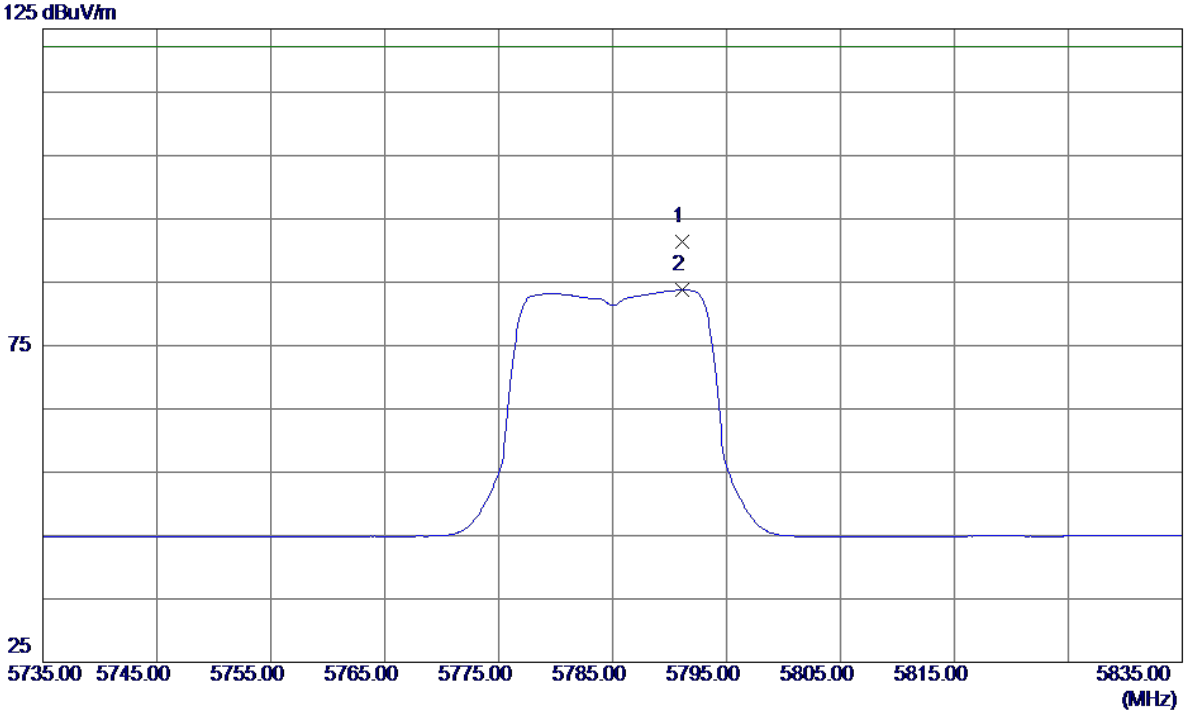
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11570.6000	23.12	15.48	38.60	54.00	-15.40	AVG	
2	11570.6900	28.24	15.48	43.72	68.30	-24.58	Peak	

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

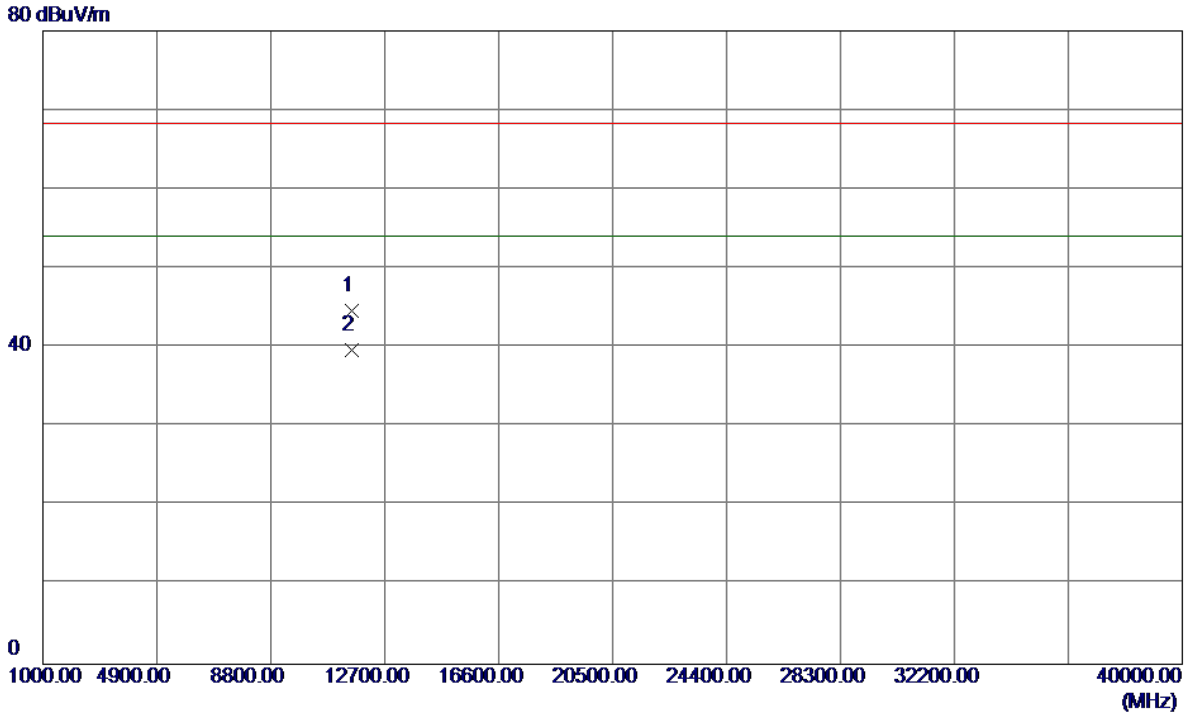
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5791.1000	48.56	42.79	91.35	122.20	-30.85	Peak	
2	5791.1000	40.99	42.79	83.78	122.20	-38.42	AVG	

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

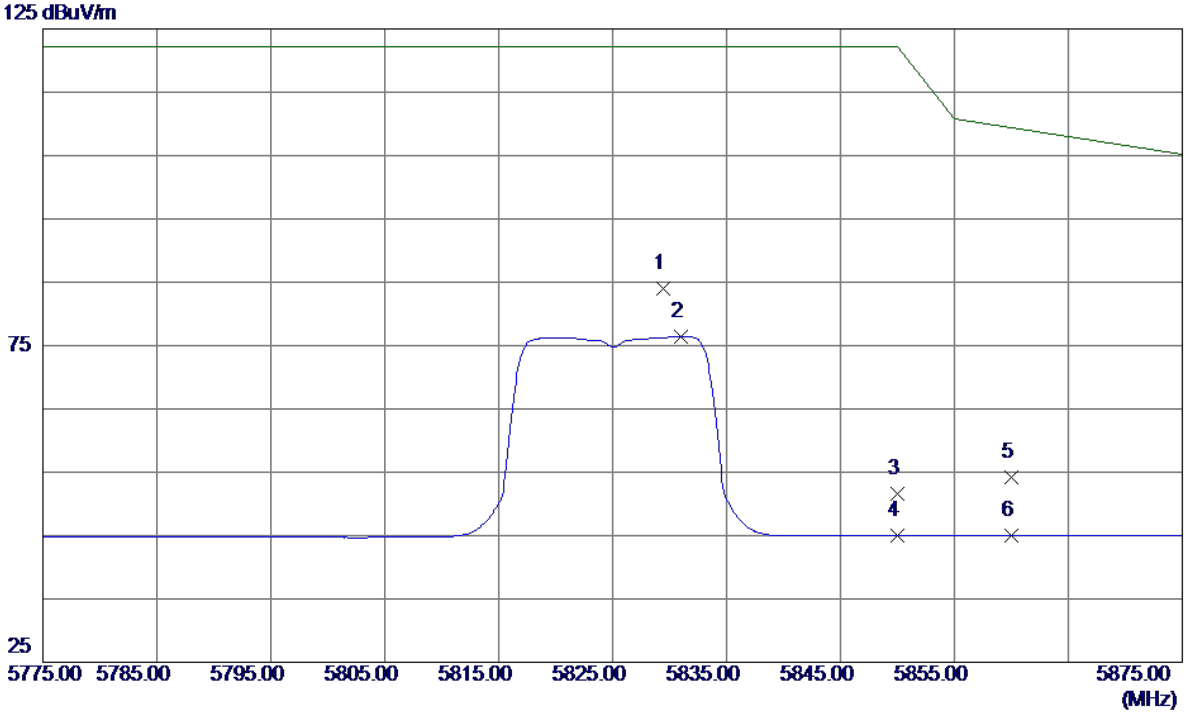
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.6500	29.14	15.48	44.62	68.30	-23.68	Peak	
2 *	11570.7000	24.14	15.48	39.62	54.00	-14.38	AVG	

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

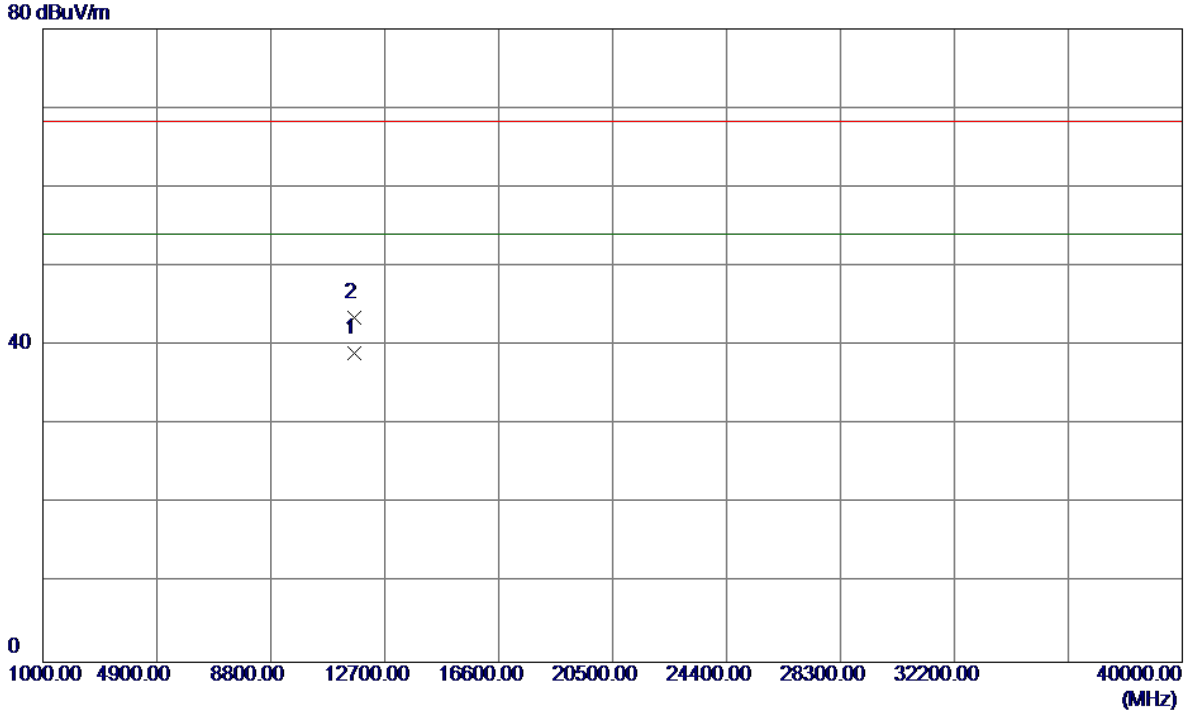
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5829.4000	41.22	42.82	84.04	122.20	-38.16	Peak	
2	5831.0000	33.61	42.82	76.43	122.20	-45.77	AVG	
3	5850.0000	8.84	42.84	51.68	122.20	-70.52	Peak	
4	5850.0000	2.20	42.84	45.04	122.20	-77.16	AVG	
5	5860.0000	11.26	42.85	54.11	109.40	-55.29	Peak	
6	5860.0000	2.23	42.85	45.08	109.40	-64.32	AVG	

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

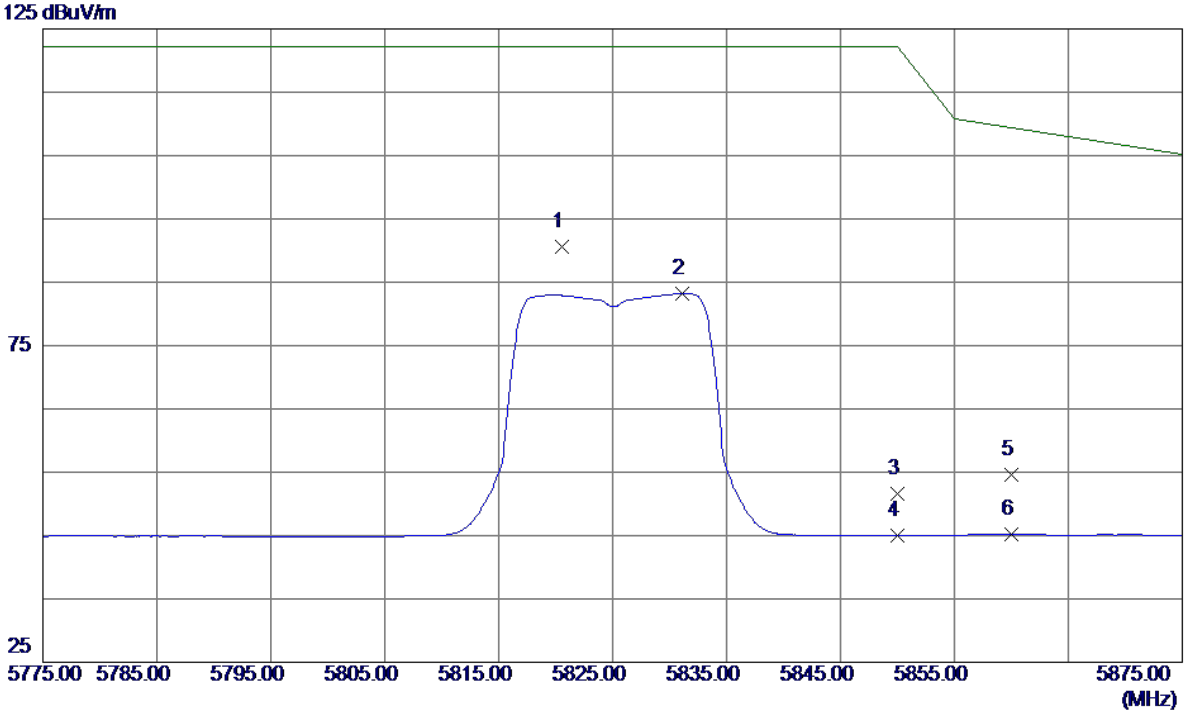
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11650.0599	23.52	15.48	39.00	54.00	-15.00	AVG	
2	11650.9349	28.04	15.48	43.52	68.30	-24.78	Peak	

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

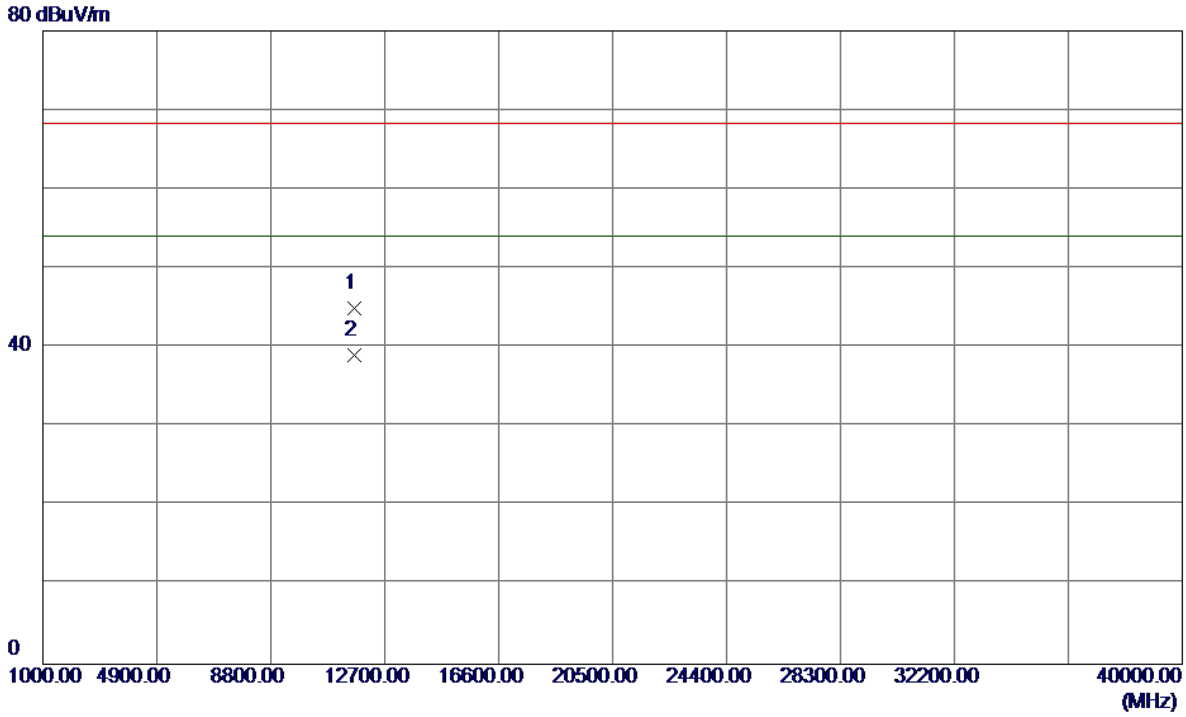
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5820.6000	47.70	42.81	90.51	122.20	-31.69	Peak	
2	5831.1000	40.43	42.82	83.25	122.20	-38.95	AVG	
3	5850.0000	8.75	42.84	51.59	122.20	-70.61	Peak	
4	5850.0000	2.25	42.84	45.09	122.20	-77.11	AVG	
5	5860.0000	11.78	42.85	54.63	109.40	-54.77	Peak	
6	5860.0000	2.28	42.85	45.13	109.40	-64.27	AVG	

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

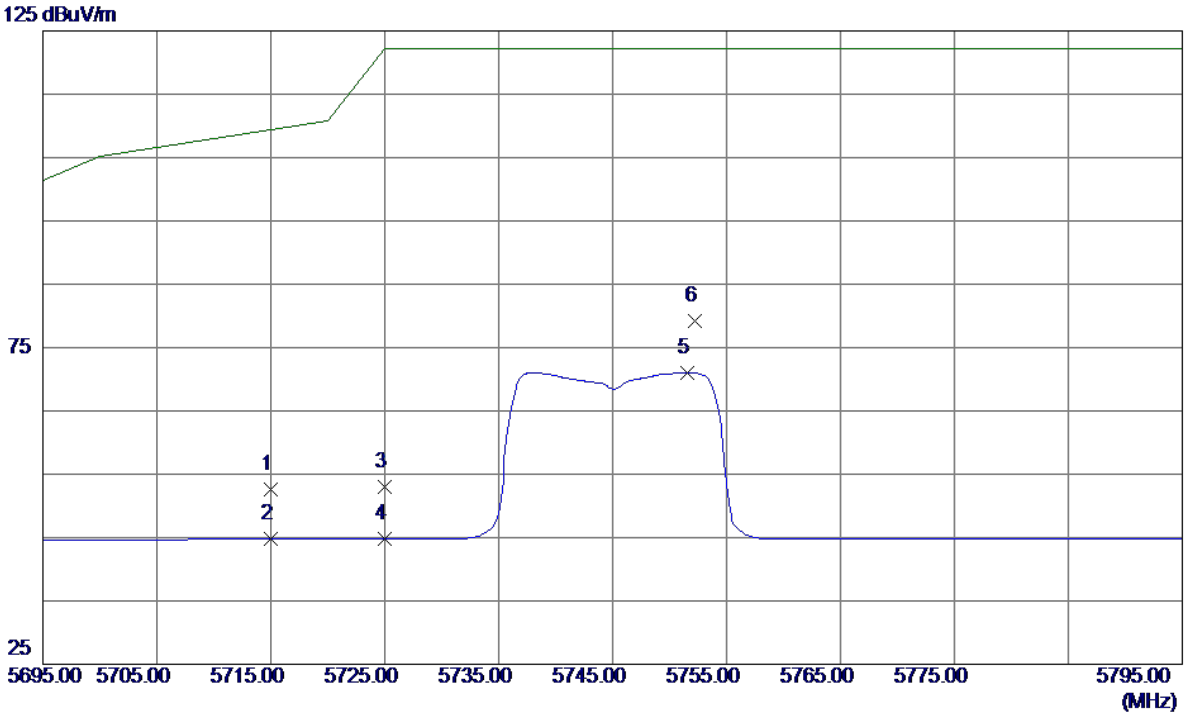
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.0700	29.51	15.48	44.99	68.30	-23.31	Peak	
2 *	11650.8550	23.59	15.48	39.07	54.00	-14.93	AVG	

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

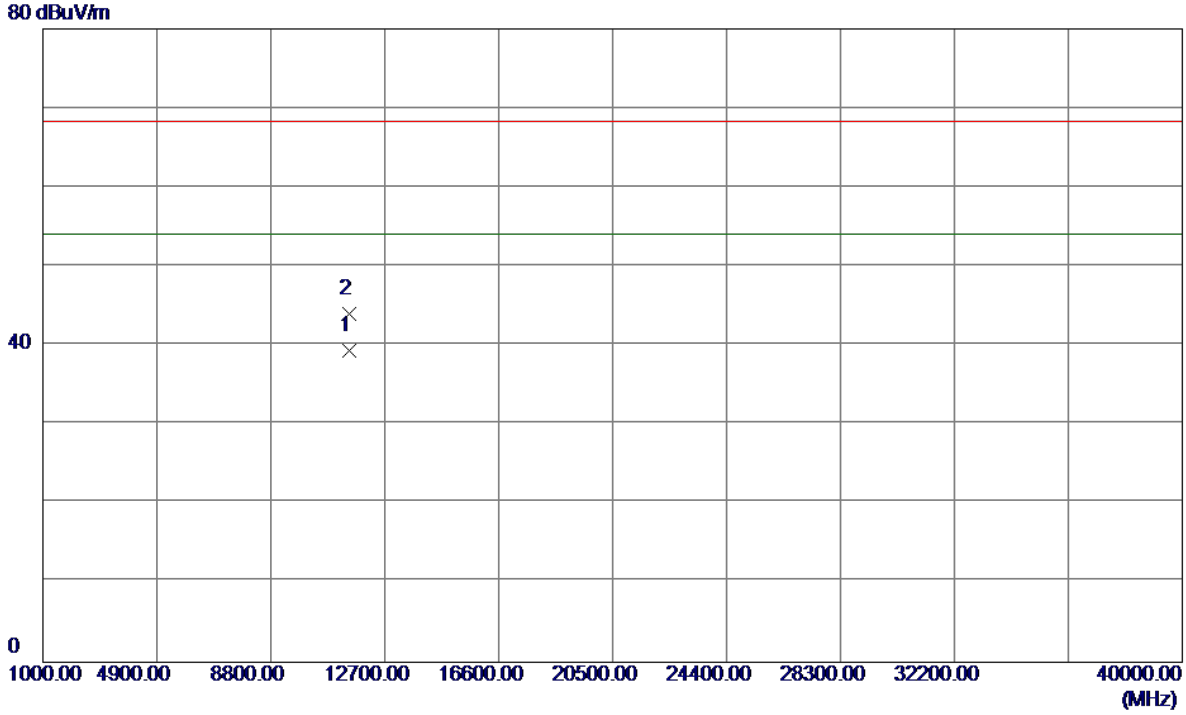
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	9.85	42.72	52.57	109.40	-56.83	Peak	
2	5715.0000	2.13	42.72	44.85	109.40	-64.55	AVG	
3	5725.0000	10.28	42.73	53.01	122.20	-69.19	Peak	
4	5725.0000	2.09	42.73	44.82	122.20	-77.38	AVG	
5	5751.6000	28.30	42.75	71.05	122.20	-51.15	AVG	
6 *	5752.2000	36.42	42.75	79.17	122.20	-43.03	Peak	

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

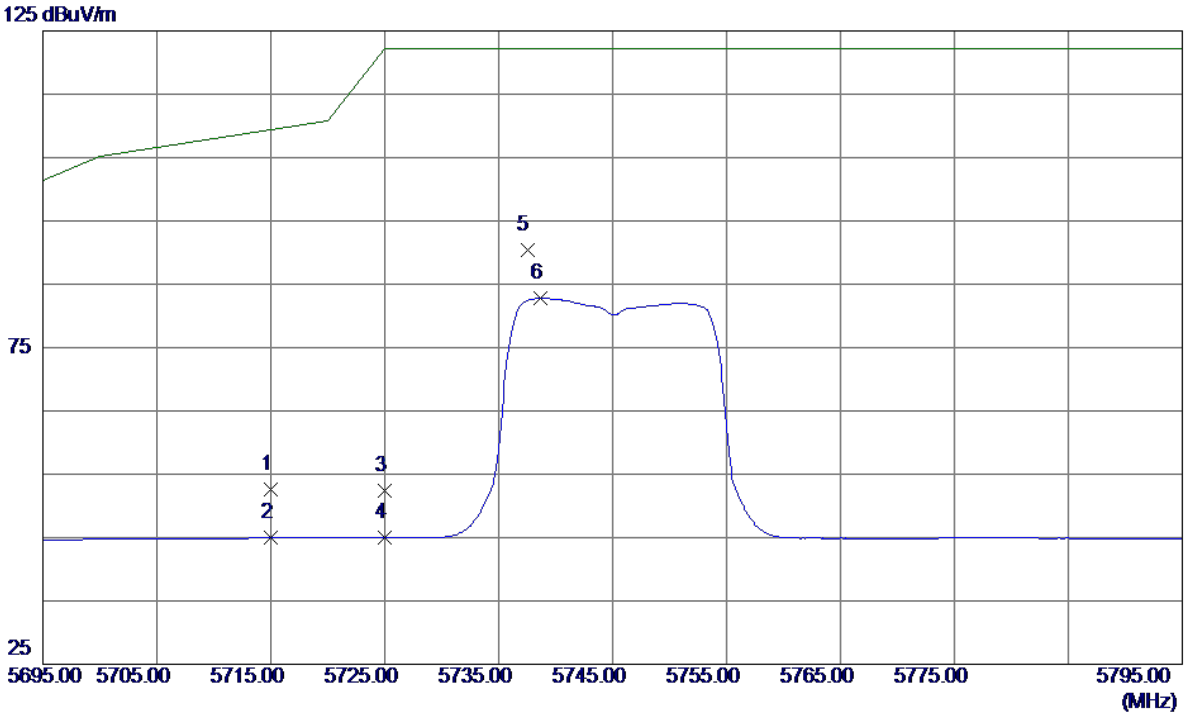
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11490.2250	23.87	15.49	39.36	54.00	-14.64	AVG	
2	11490.3700	28.58	15.49	44.07	68.30	-24.23	Peak	

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

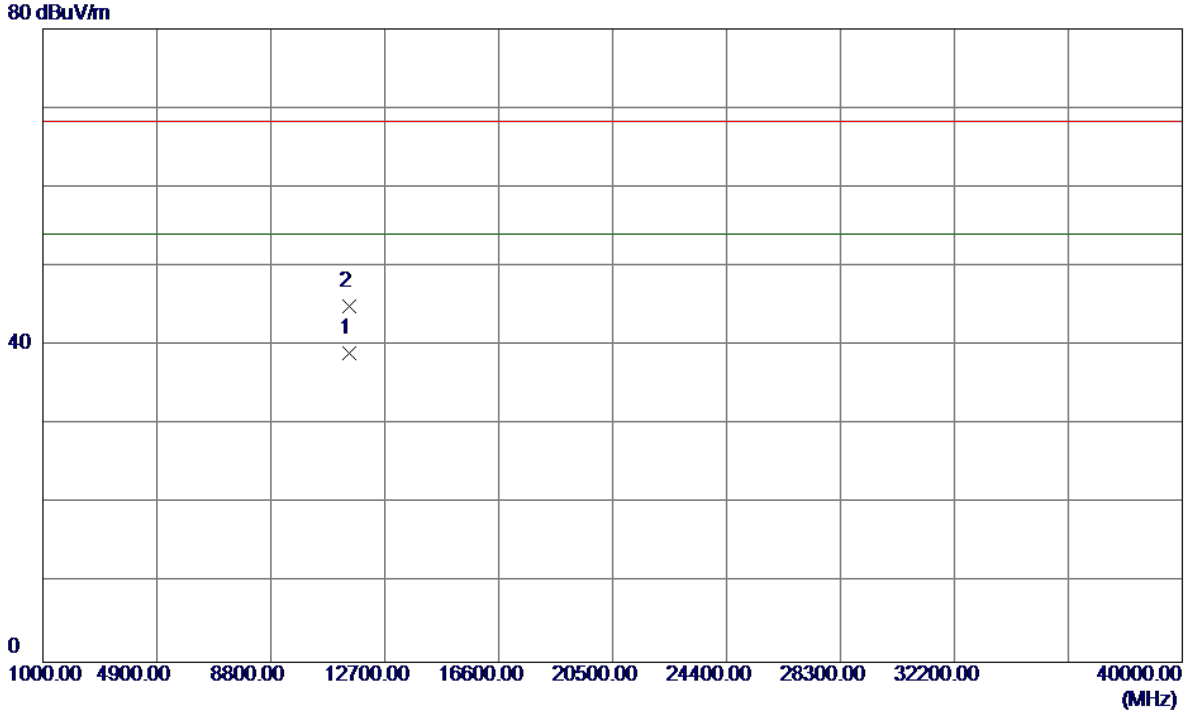
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	9.86	42.72	52.58	109.40	-56.82	Peak	
2	5715.0000	2.20	42.72	44.92	109.40	-64.48	AVG	
3	5725.0000	9.58	42.73	52.31	122.20	-69.89	Peak	
4	5725.0000	2.22	42.73	44.95	122.20	-77.25	AVG	
5 *	5737.5000	47.57	42.74	90.31	122.20	-31.89	Peak	
6	5738.7000	40.04	42.74	82.78	122.20	-39.42	AVG	

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

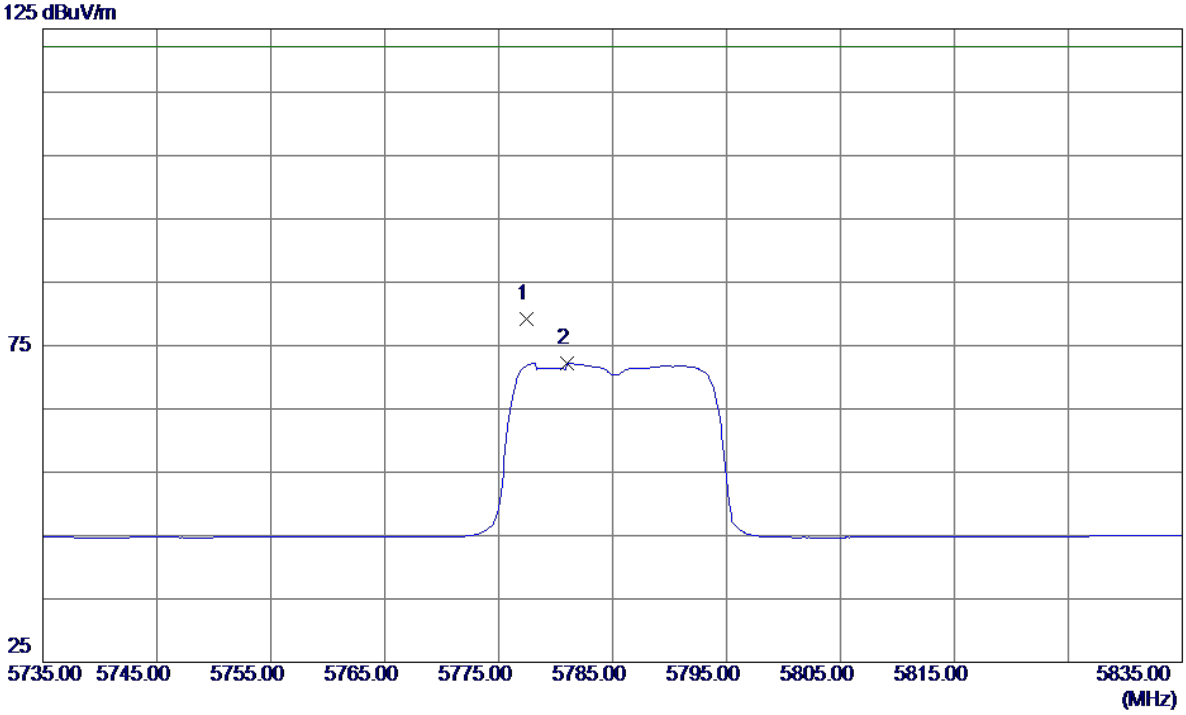
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11490.1250	23.58	15.49	39.07	54.00	-14.93	AVG	
2	11490.4500	29.50	15.49	44.99	68.30	-23.31	Peak	

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

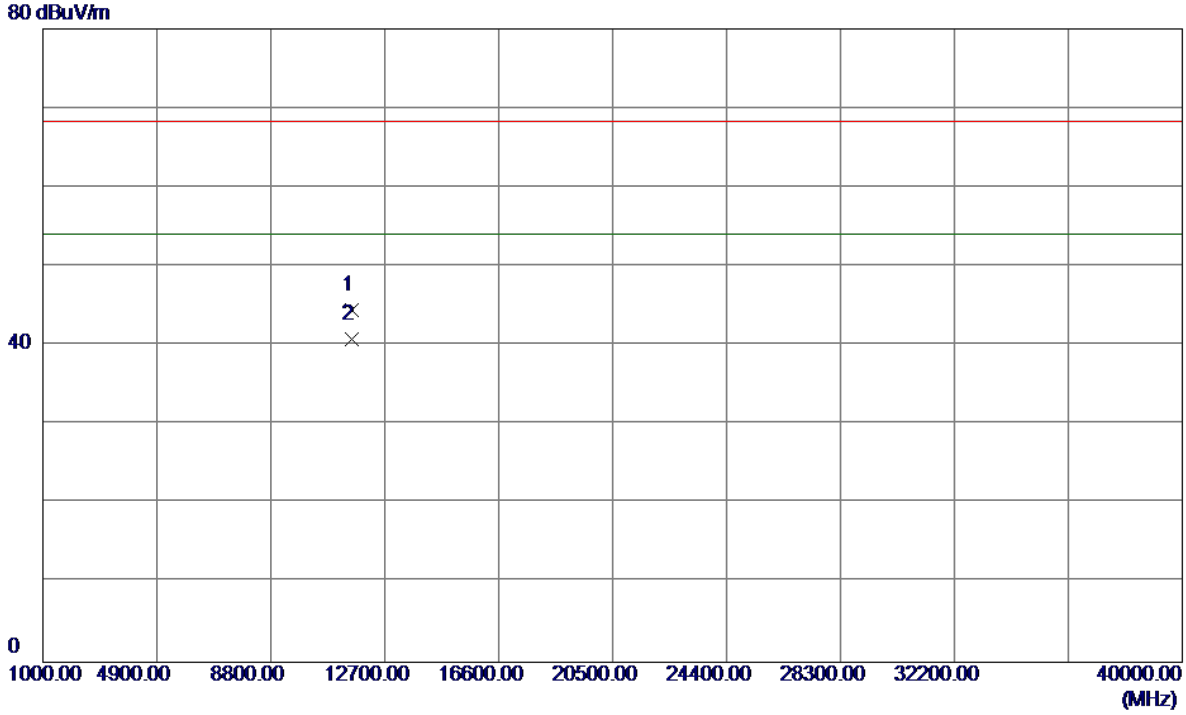
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5777.4000	36.48	42.77	79.25	122.20	-42.95	Peak	
2	5781.0000	29.47	42.78	72.25	122.20	-49.95	AVG	

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

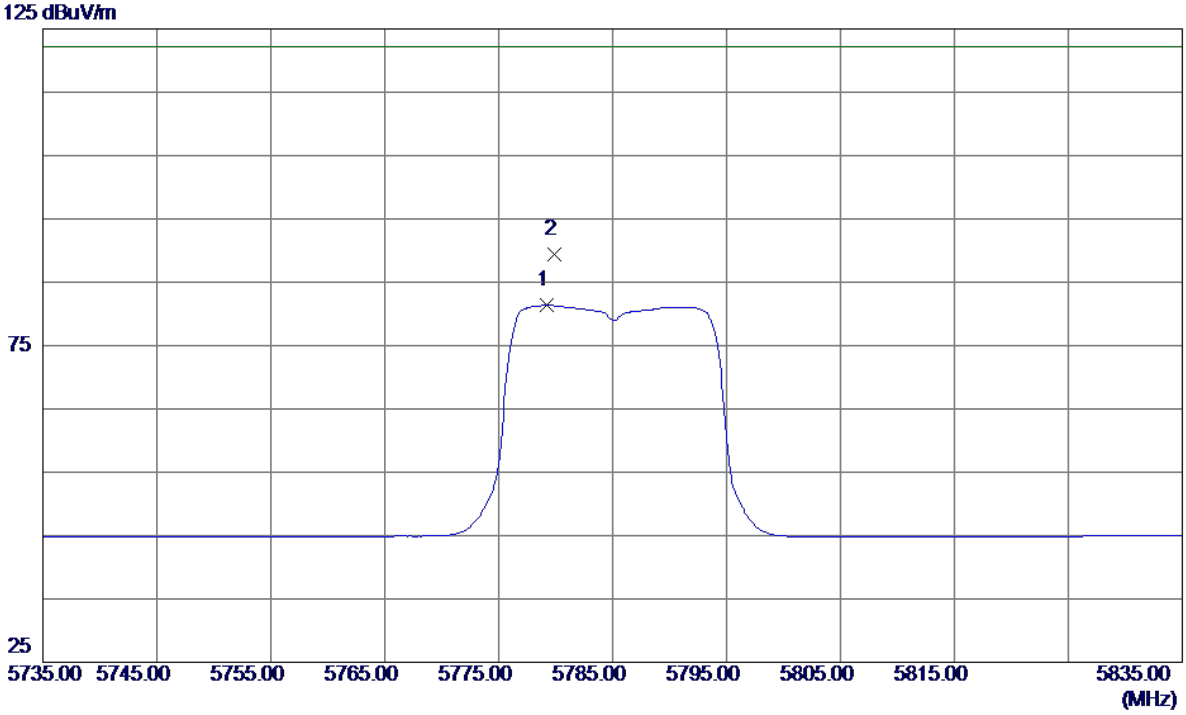
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.5500	28.97	15.48	44.45	68.30	-23.85	Peak	
2 *	11570.5850	25.31	15.48	40.79	54.00	-13.21	AVG	

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

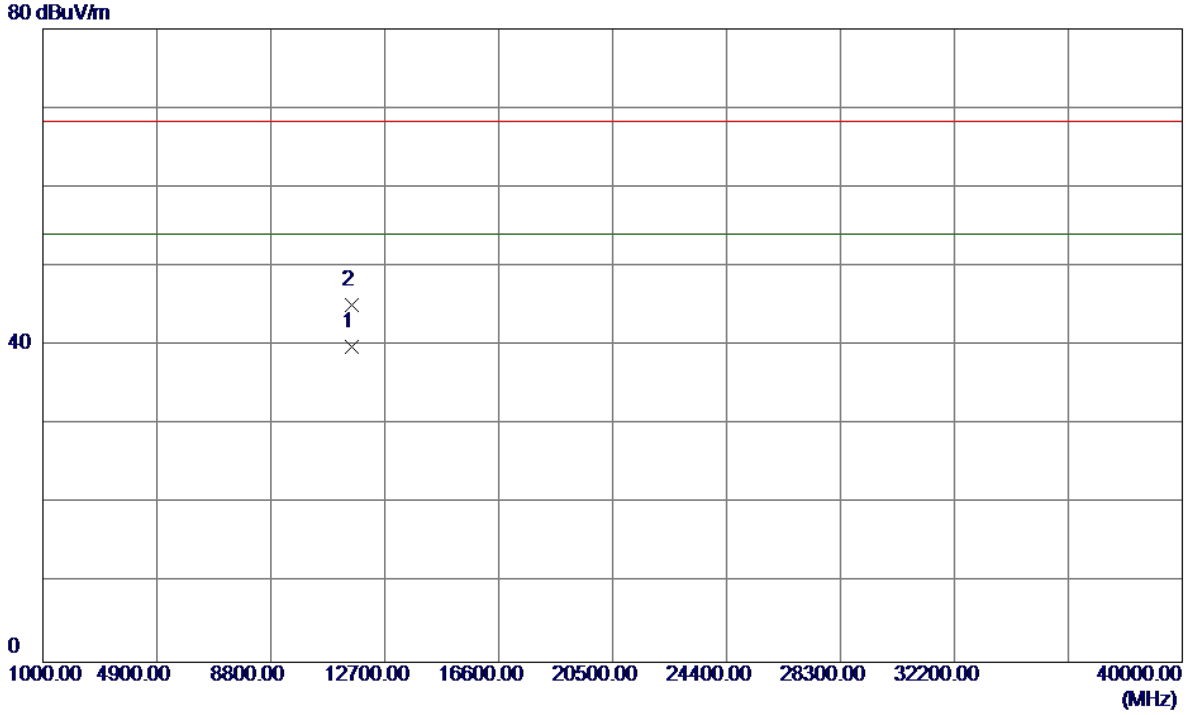
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5779.2000	38.57	42.78	81.35	122.20	-40.85	AVG	
2 *	5779.9000	46.58	42.78	89.36	122.20	-32.84	Peak	

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

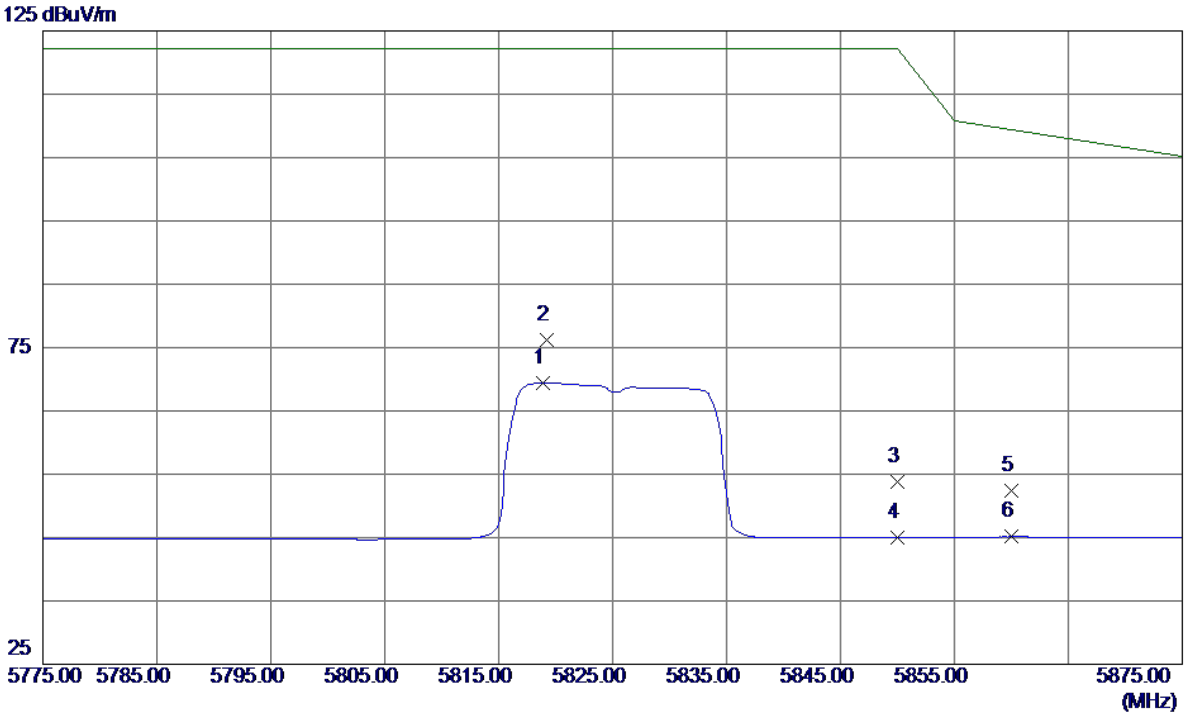
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11570.5650	24.38	15.48	39.86	54.00	-14.14	AVG	
2	11570.5800	29.71	15.48	45.19	68.30	-23.11	Peak	

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

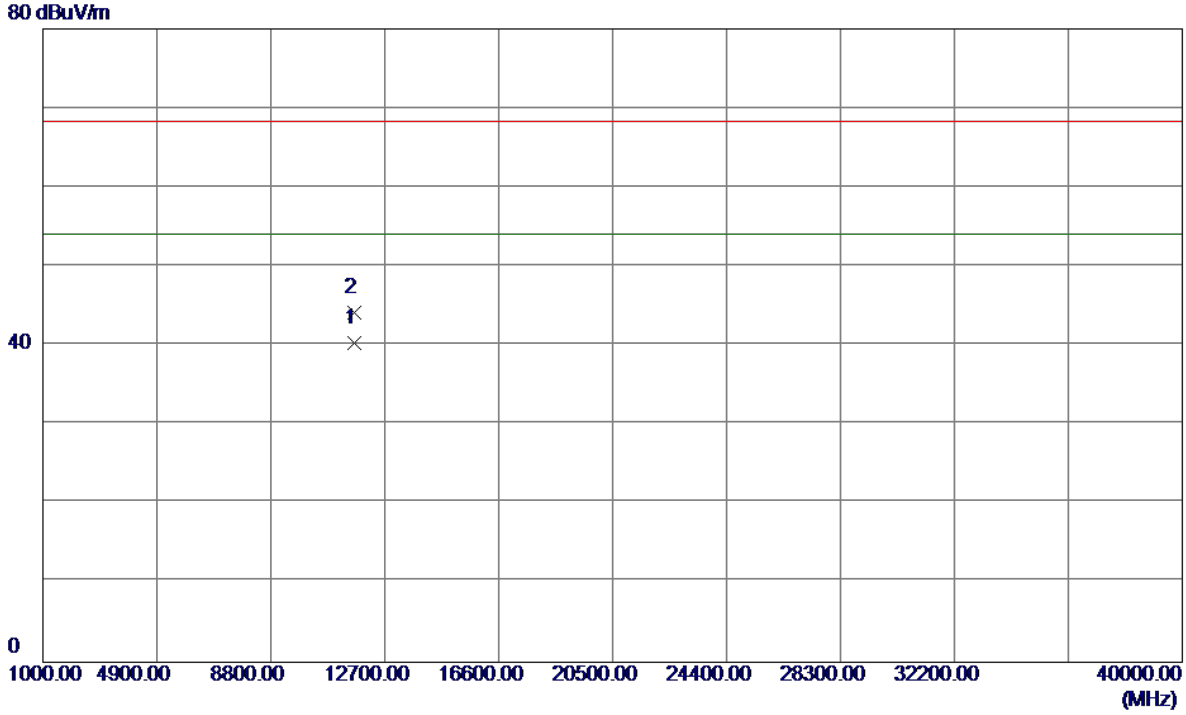
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5818.9000	26.60	42.81	69.41	122.20	-52.79	AVG	
2 *	5819.2000	33.31	42.81	76.12	122.20	-46.08	Peak	
3	5850.0000	10.89	42.84	53.73	122.20	-68.47	Peak	
4	5850.0000	2.20	42.84	45.04	122.20	-77.16	AVG	
5	5860.0000	9.59	42.85	52.44	109.40	-56.96	Peak	
6	5860.0000	2.26	42.85	45.11	109.40	-64.29	AVG	

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

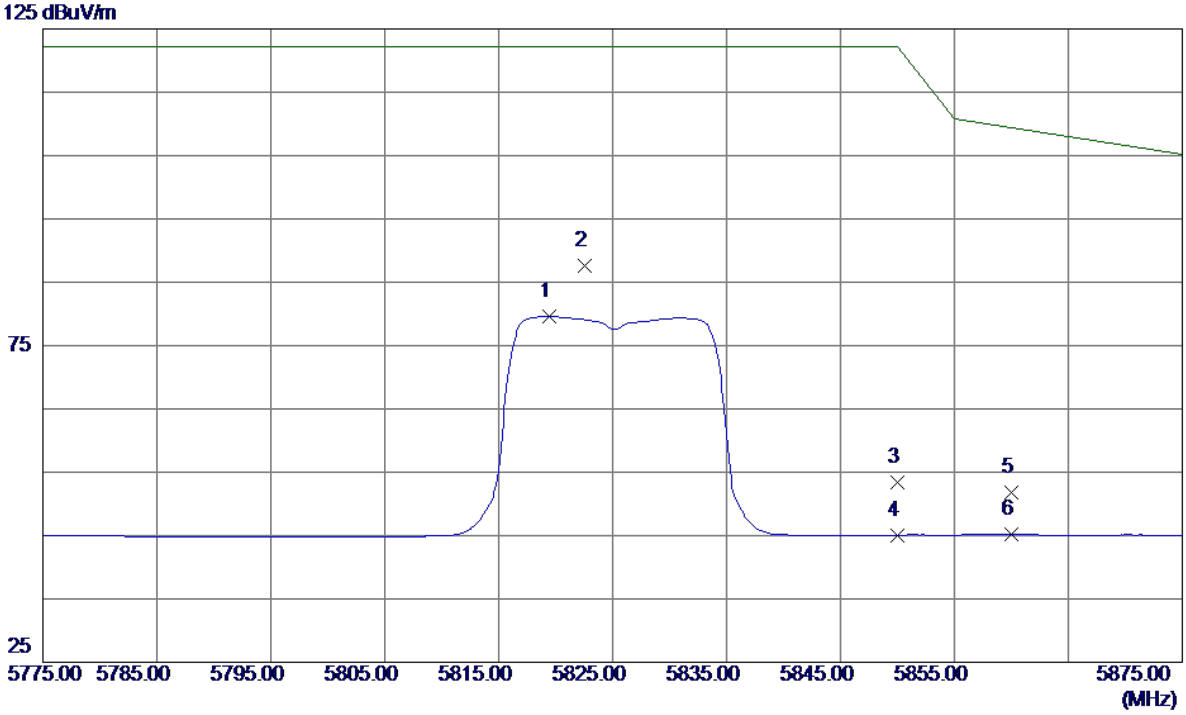
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11650.9000	24.81	15.48	40.29	54.00	-13.71	AVG	
2	11650.9600	28.64	15.48	44.12	68.30	-24.18	Peak	

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

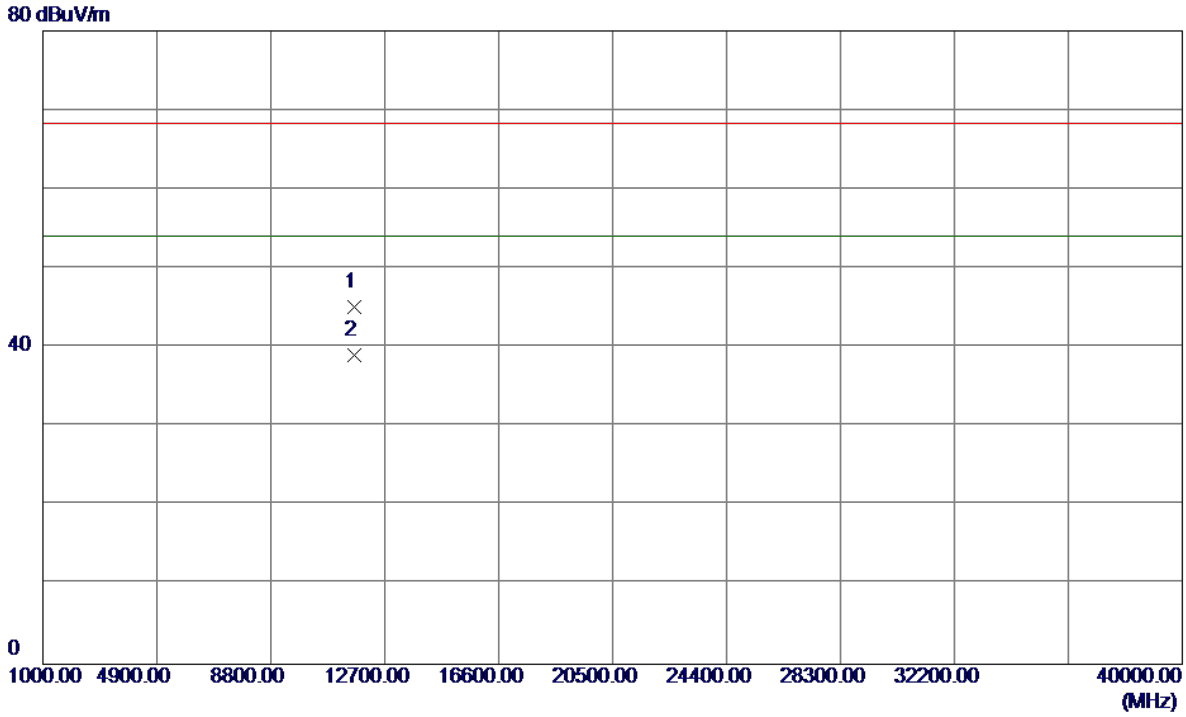
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5819.4000	36.77	42.81	79.58	122.20	-42.62	AVG	
2 *	5822.6000	44.86	42.81	87.67	122.20	-34.53	Peak	
3	5850.0000	10.59	42.84	53.43	122.20	-68.77	Peak	
4	5850.0000	2.25	42.84	45.09	122.20	-77.11	AVG	
5	5860.0000	8.88	42.85	51.73	109.40	-57.67	Peak	
6	5860.0000	2.28	42.85	45.13	109.40	-64.27	AVG	

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

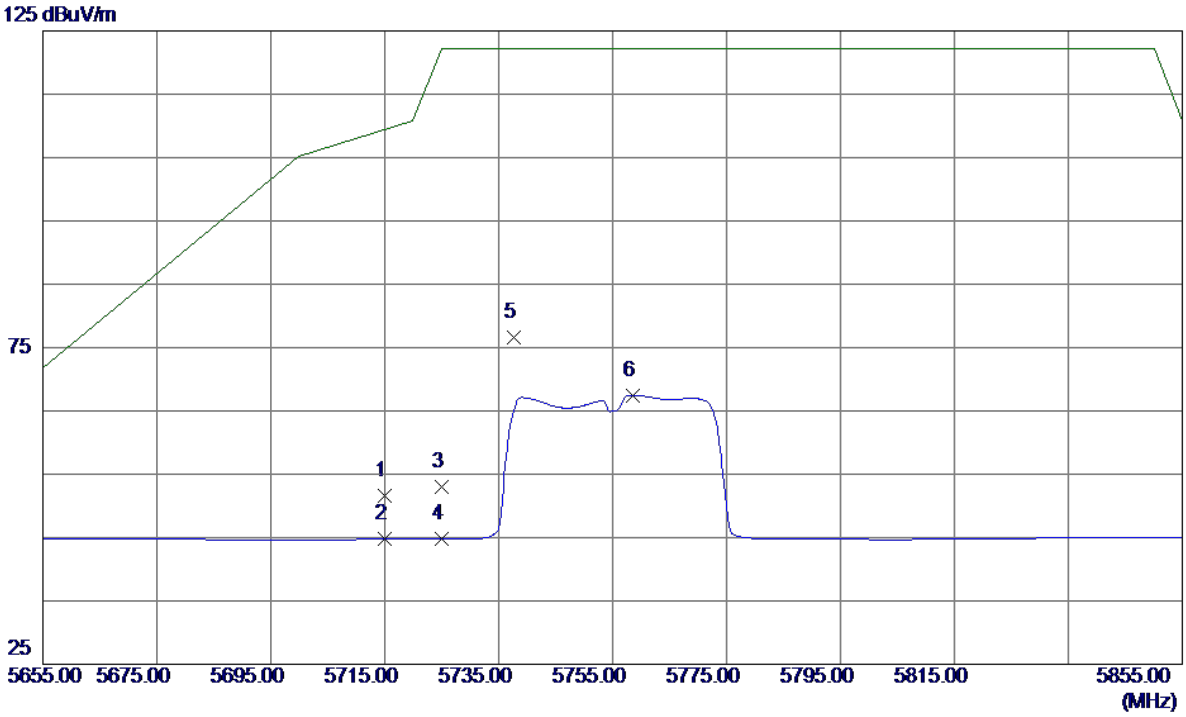
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.9250	29.61	15.48	45.09	68.30	-23.21	Peak	
2 *	11650.9800	23.61	15.48	39.09	54.00	-14.91	AVG	

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

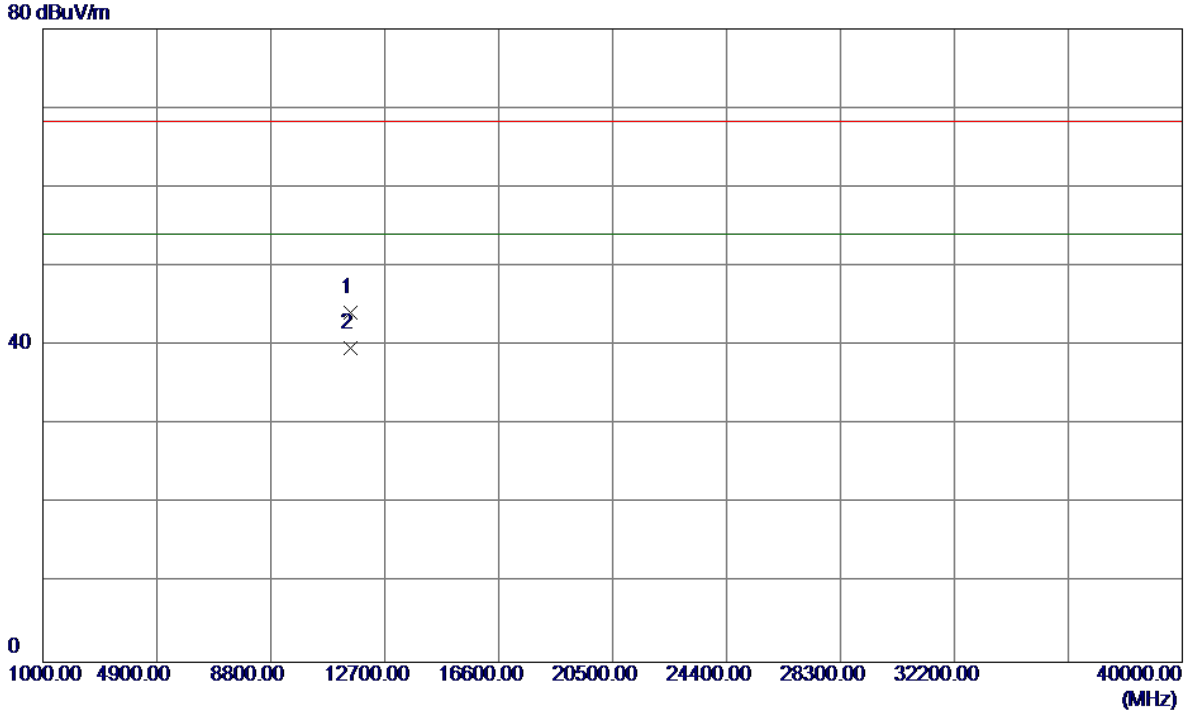
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	8.90	42.72	51.62	109.40	-57.78	Peak	
2	5715.0000	2.09	42.72	44.81	109.40	-64.59	AVG	
3	5725.0000	10.31	42.73	53.04	122.20	-69.16	Peak	
4	5725.0000	2.04	42.73	44.77	122.20	-77.43	AVG	
5 *	5737.6000	33.85	42.74	76.59	122.20	-45.61	Peak	
6	5758.6000	24.72	42.76	67.48	122.20	-54.72	AVG	

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

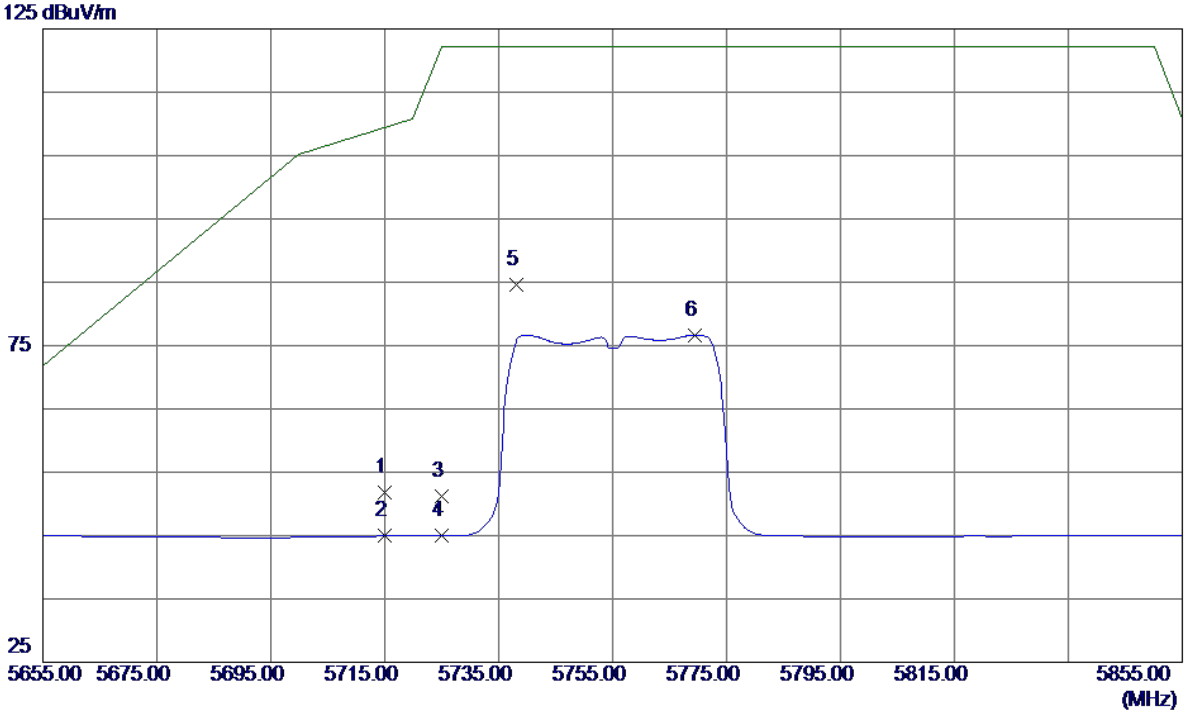
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.4150	28.69	15.48	44.17	68.30	-24.13	Peak	
2 *	11510.5599	24.25	15.48	39.73	54.00	-14.27	AVG	

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

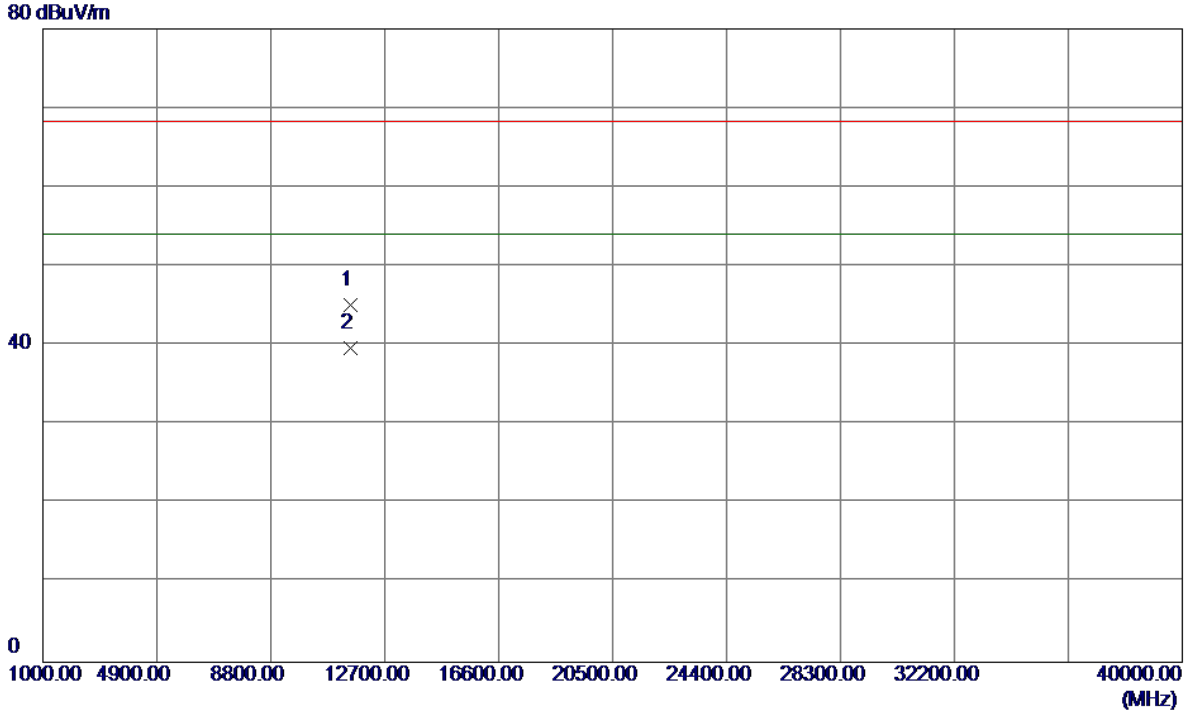
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	9.03	42.72	51.75	109.40	-57.65	Peak	
2	5715.0000	2.22	42.72	44.94	109.40	-64.46	AVG	
3	5725.0000	8.42	42.73	51.15	122.20	-71.05	Peak	
4	5725.0000	2.19	42.73	44.92	122.20	-77.28	AVG	
5 *	5738.2000	41.81	42.74	84.55	122.20	-37.65	Peak	
6	5769.4000	33.89	42.77	76.66	122.20	-45.54	AVG	

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

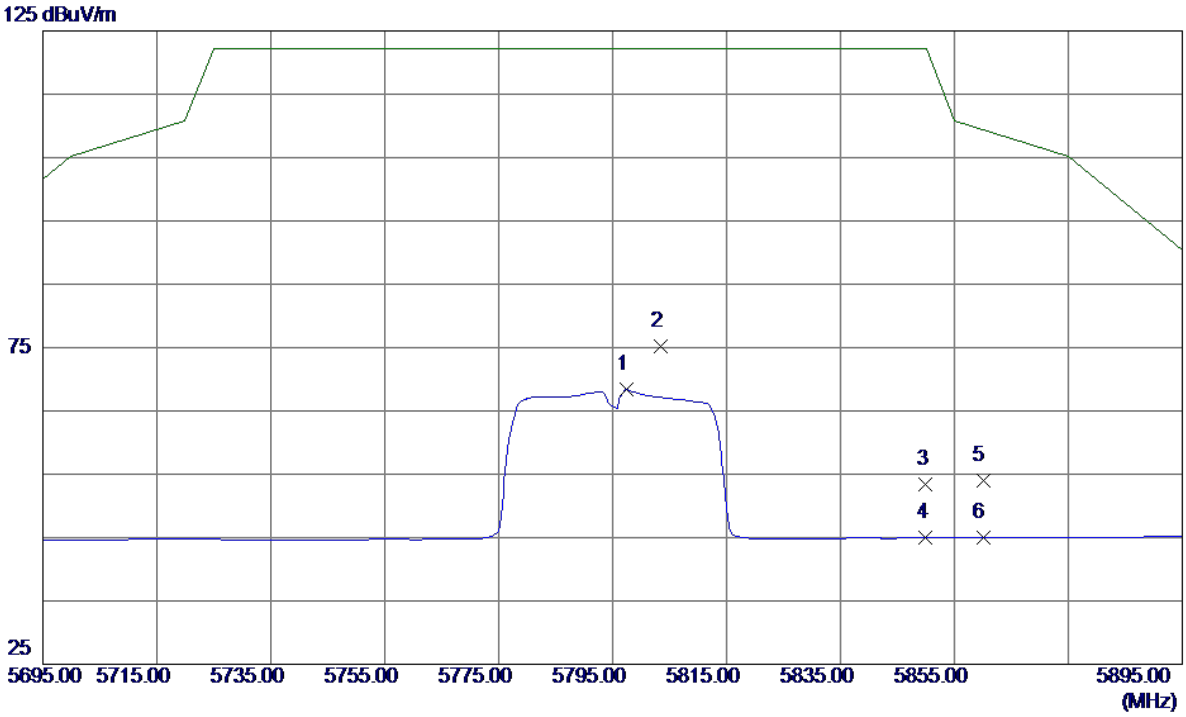
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.3450	29.61	15.48	45.09	68.30	-23.21	Peak	
2 *	11510.6500	24.14	15.48	39.62	54.00	-14.38	AVG	

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

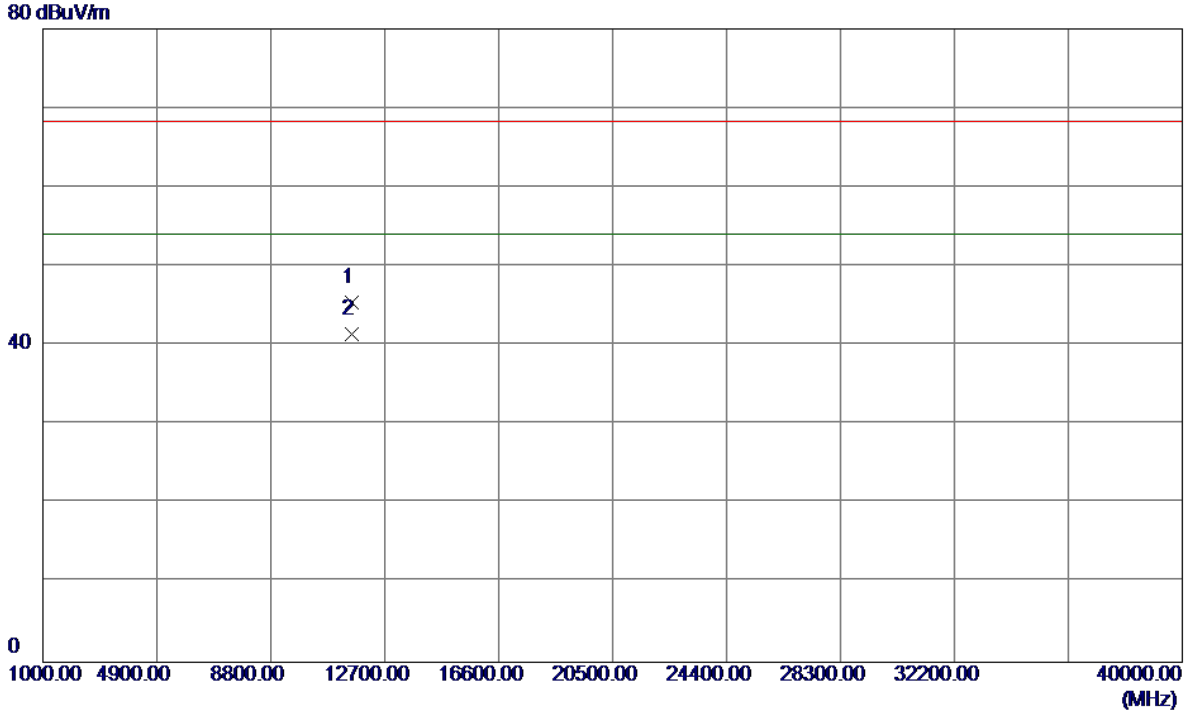
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5797.4000	25.55	42.79	68.34	122.20	-53.86	AVG	
2 *	5803.4000	32.32	42.80	75.12	122.20	-47.08	Peak	
3	5850.0000	10.56	42.84	53.40	122.20	-68.80	Peak	
4	5850.0000	2.18	42.84	45.02	122.20	-77.18	AVG	
5	5860.0000	11.22	42.85	54.07	109.40	-55.33	Peak	
6	5860.0000	2.23	42.85	45.08	109.40	-64.32	AVG	

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

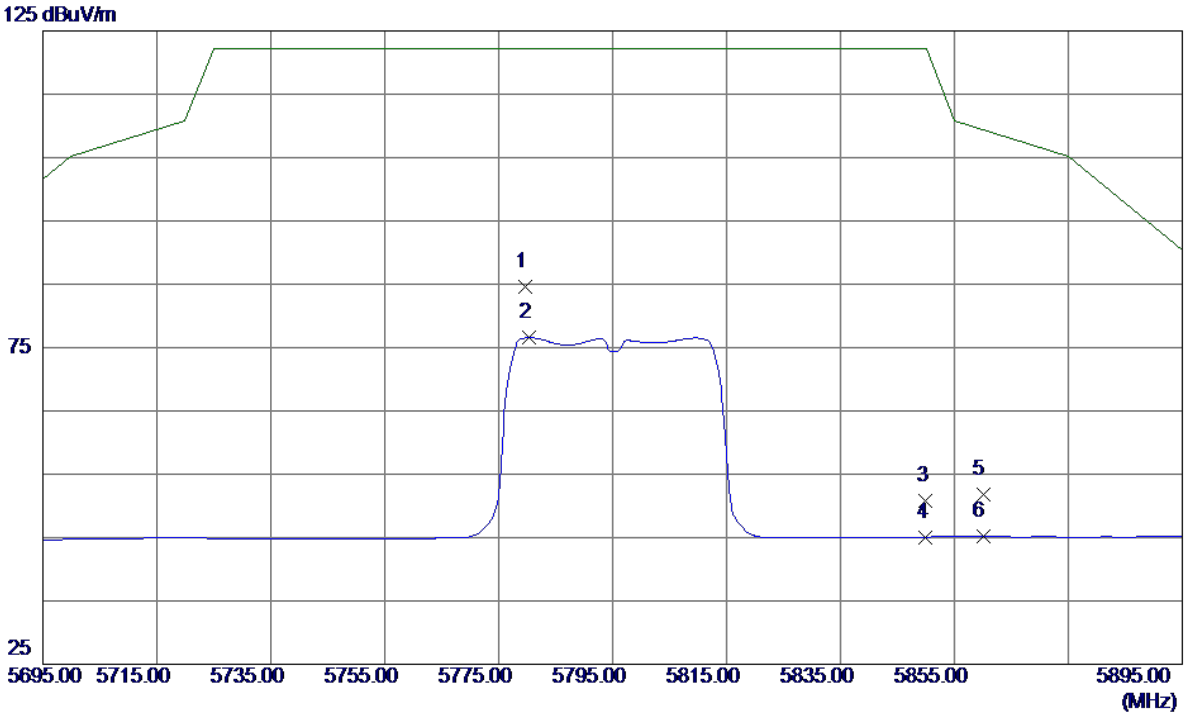
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.9200	29.89	15.48	45.37	68.30	-22.93	Peak	
2 *	11590.9500	25.96	15.48	41.44	54.00	-12.56	AVG	

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

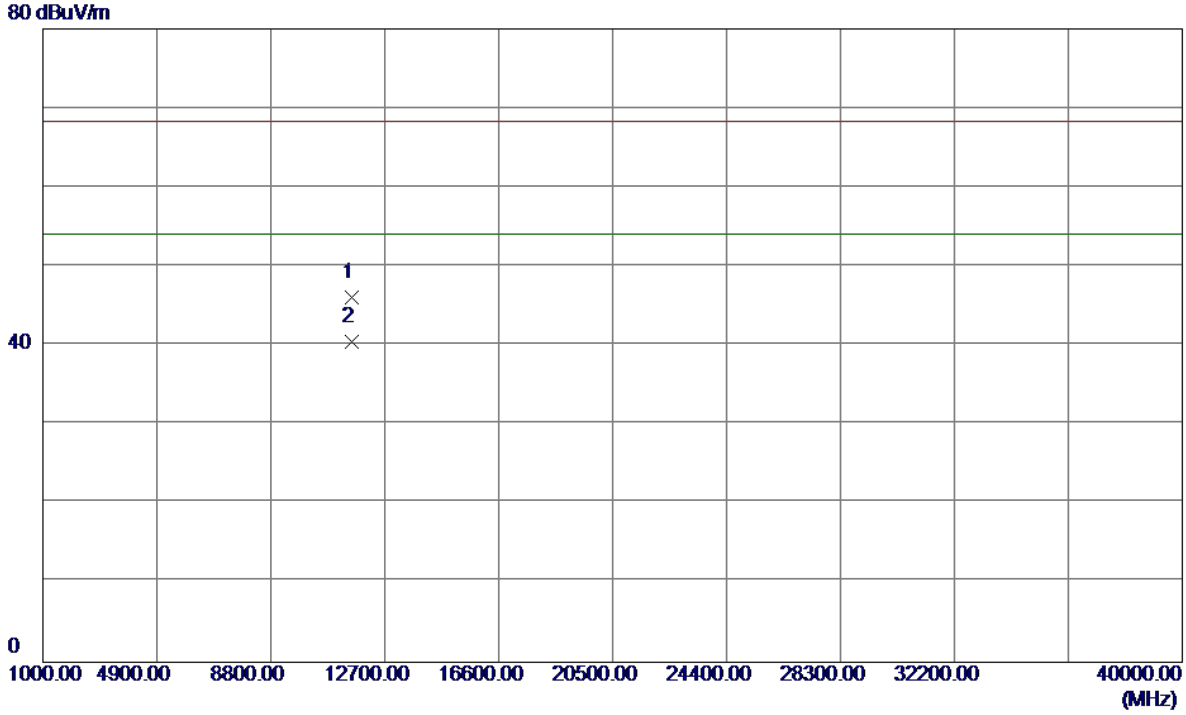
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5779.6000	41.91	42.78	84.69	122.20	-37.51	Peak	
2	5780.4000	33.79	42.78	76.57	122.20	-45.63	AVG	
3	5850.0000	7.90	42.84	50.74	122.20	-71.46	Peak	
4	5850.0000	2.23	42.84	45.07	122.20	-77.13	AVG	
5	5860.0000	9.01	42.85	51.86	109.40	-57.54	Peak	
6	5860.0000	2.30	42.85	45.15	109.40	-64.25	AVG	

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

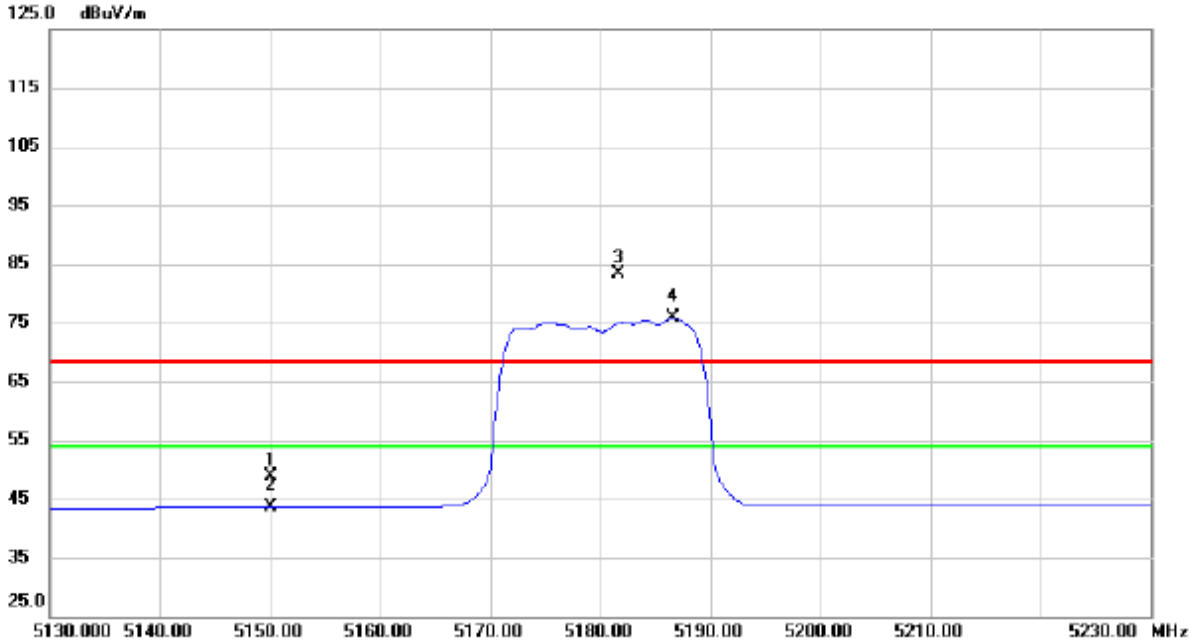
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.8500	30.59	15.48	46.07	68.30	-22.23	Peak	
2 *	11590.9450	25.01	15.48	40.49	54.00	-13.51	AVG	

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

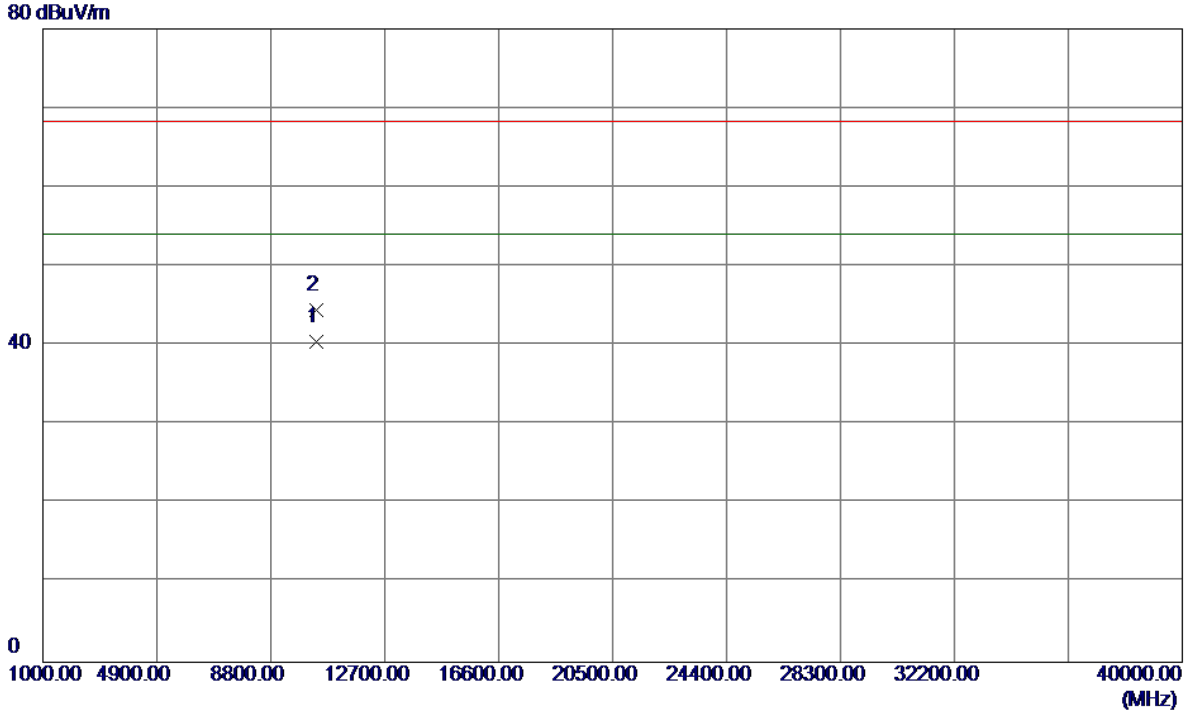
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	7.46	41.35	48.81	68.30	-19.49	peak	
2		5150.000	2.30	41.35	43.65	54.00	-10.35	AVG	
3	X	5181.600	42.04	41.46	83.50	68.30	15.20	peak	No Limit
4	*	5186.600	34.52	41.47	75.99	54.00	21.99	AVG	No Limit

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

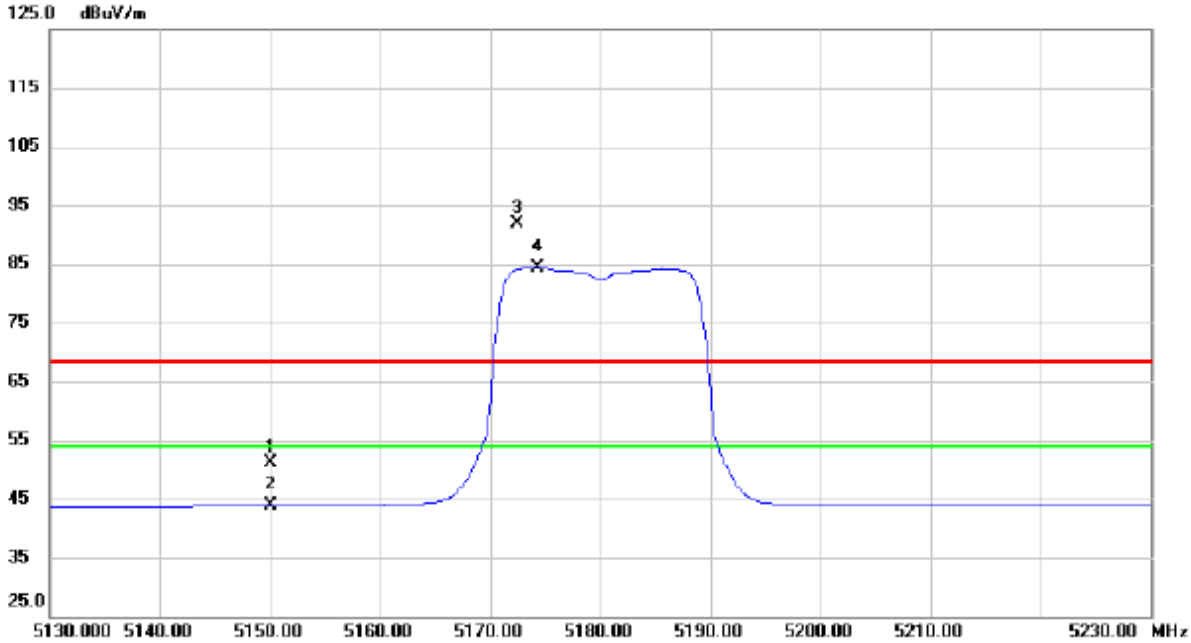
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.8650	25.52	14.96	40.48	54.00	-13.52	AVG	
2	10360.9100	29.49	14.96	44.45	68.30	-23.85	Peak	

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

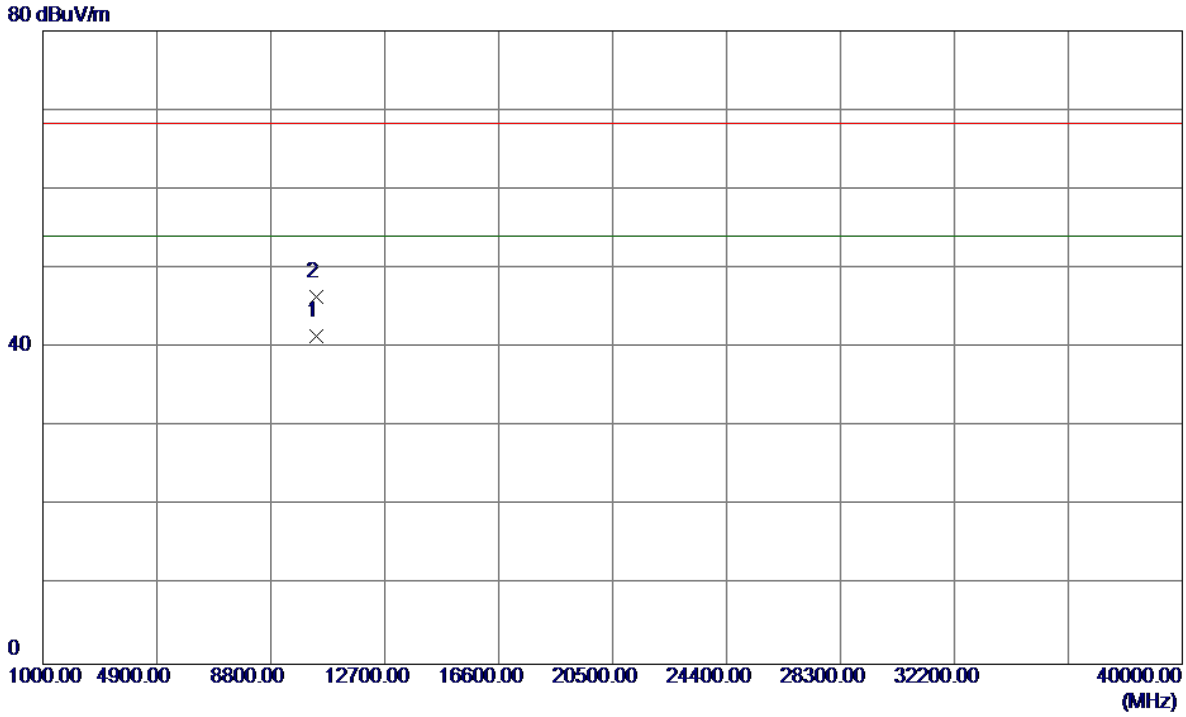
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	9.84	41.35	51.19	68.30	-17.11	peak	
2		5150.000	2.46	41.35	43.81	54.00	-10.19	AVG	
3	X	5172.500	50.47	41.42	91.89	68.30	23.59	peak	No Limit
4	*	5174.300	43.06	41.43	84.49	54.00	30.49	AVG	No Limit

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

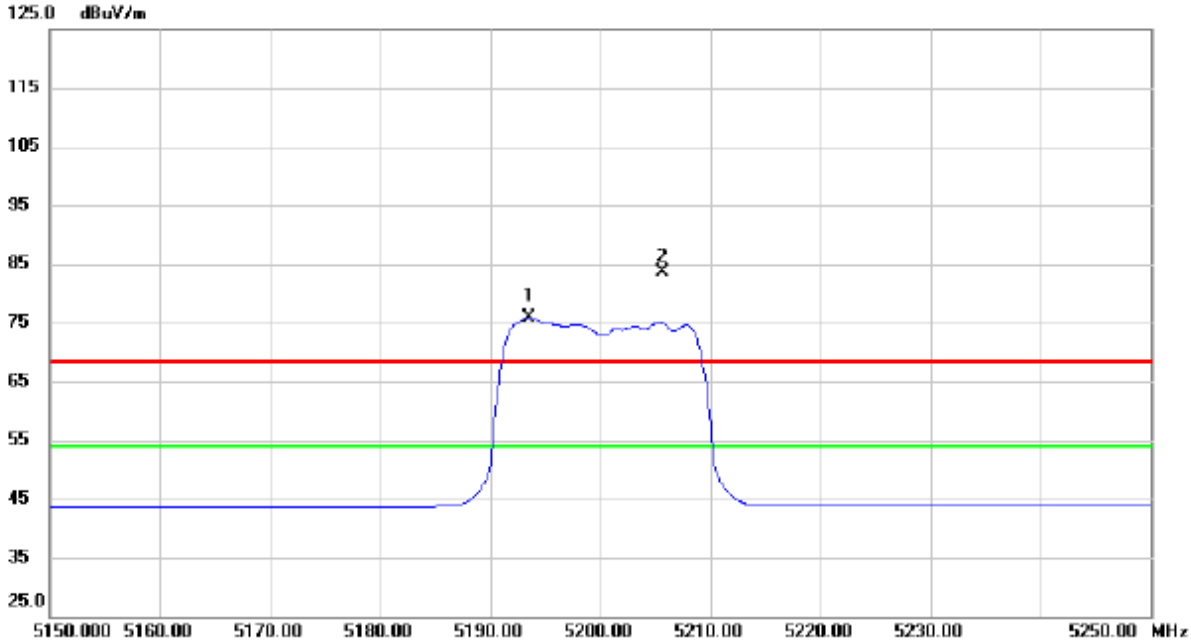
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.7550	26.54	14.96	41.50	54.00	-12.50	AVG	
2	10360.8500	31.37	14.96	46.33	68.30	-21.97	Peak	

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

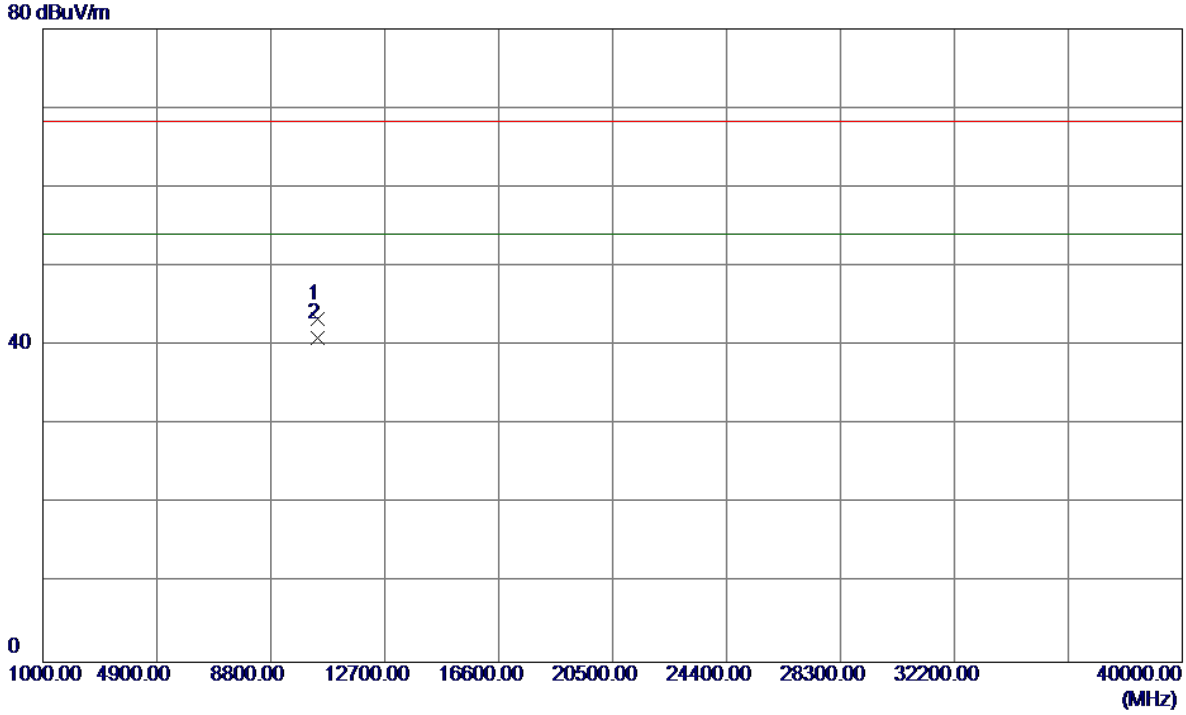
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5193.500	34.28	41.49	75.77	54.00	21.77	AVG	No Limit
2	X	5205.700	42.07	41.53	83.60	68.30	15.30	peak	No Limit

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

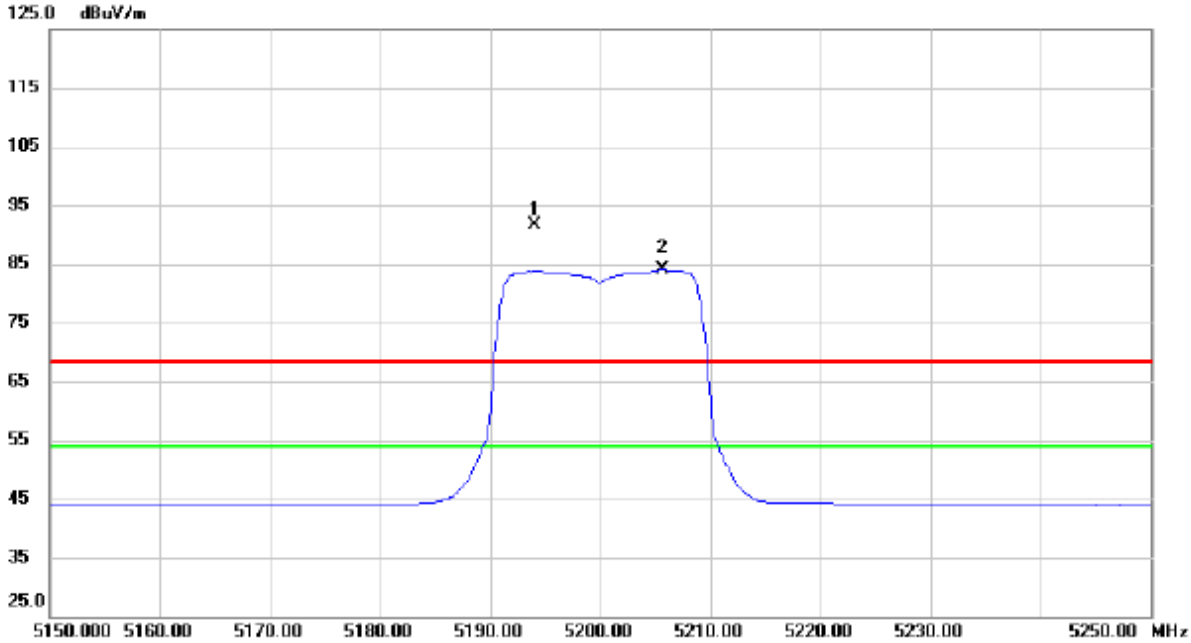
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.3800	28.25	15.06	43.31	68.30	-24.99	Peak	
2 *	10400.5800	25.87	15.06	40.93	54.00	-13.07	AVG	

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

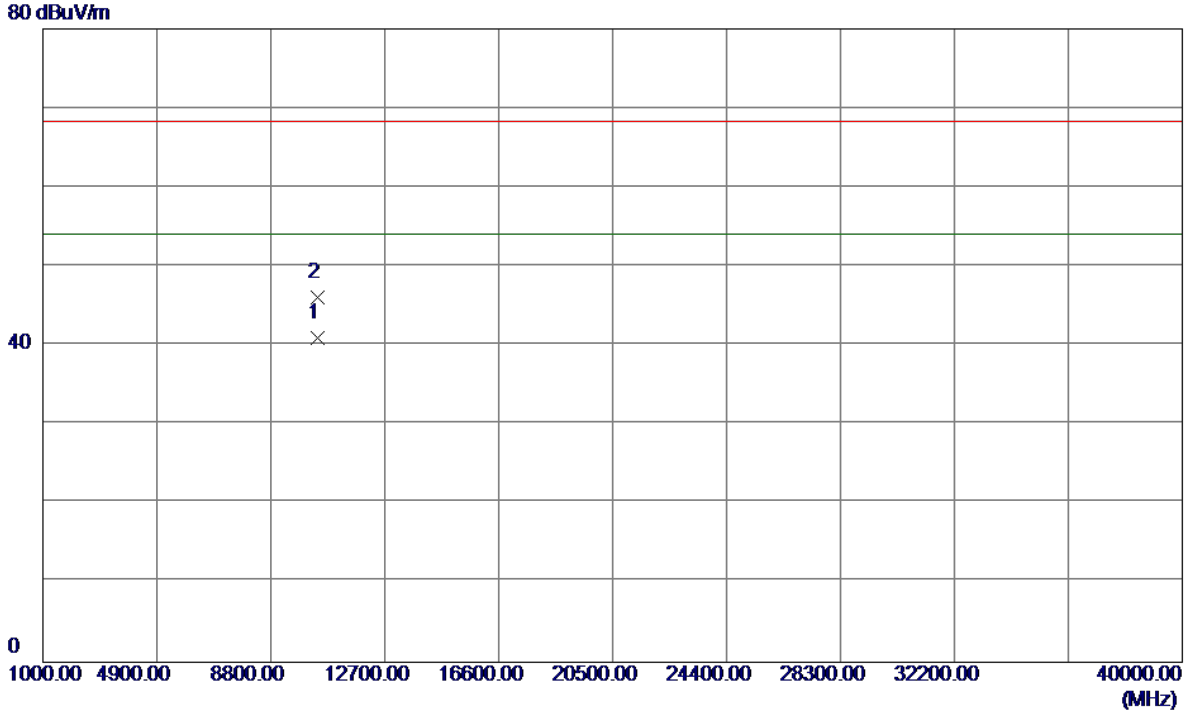
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5194.000	50.09	41.50	91.59	68.30	23.29	peak	No Limit
2	*	5205.600	42.51	41.53	84.04	54.00	30.04	AVG	No Limit

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

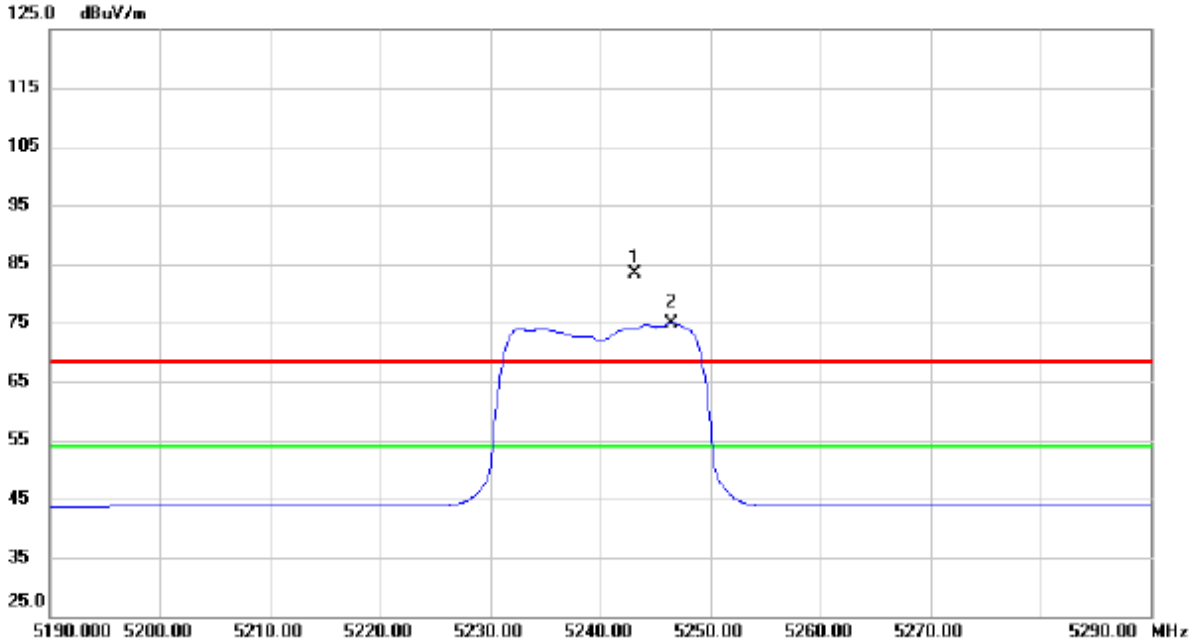
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.3250	25.83	15.06	40.89	54.00	-13.11	AVG	
2	10400.4250	31.04	15.06	46.10	68.30	-22.20	Peak	

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

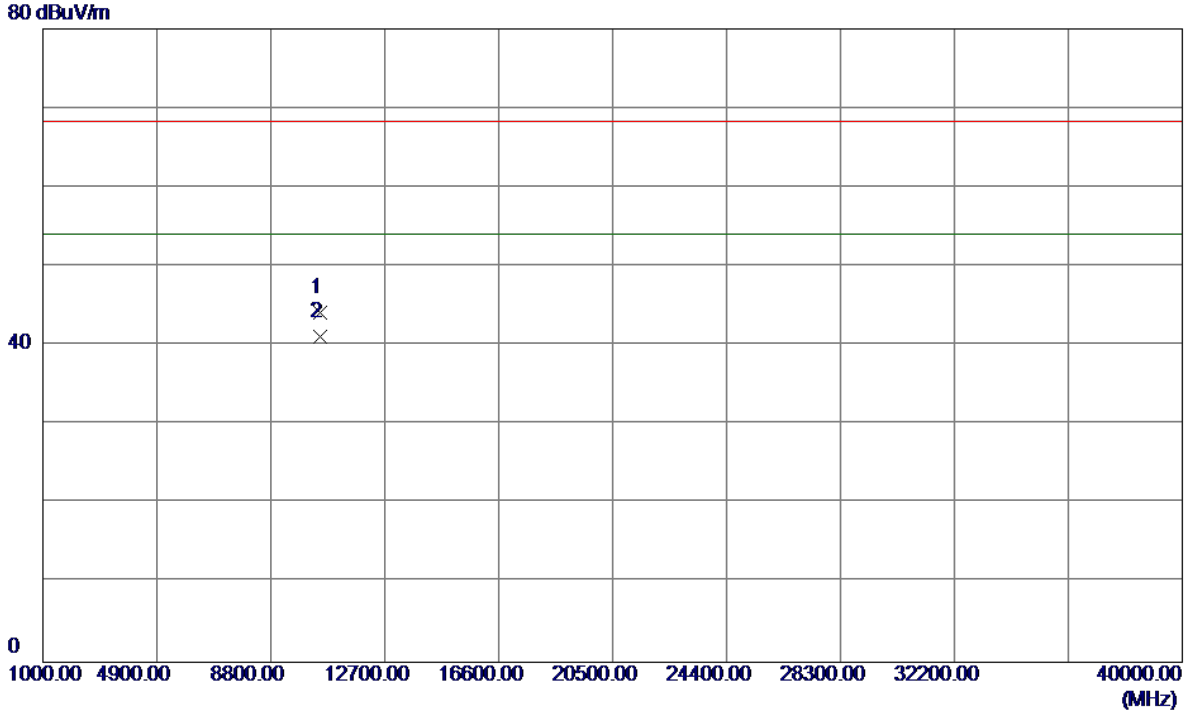
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5243.100	41.79	41.66	83.45	68.30	15.15	peak	No Limit
2	*	5246.500	33.20	41.67	74.87	54.00	20.87	AVG	No Limit

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

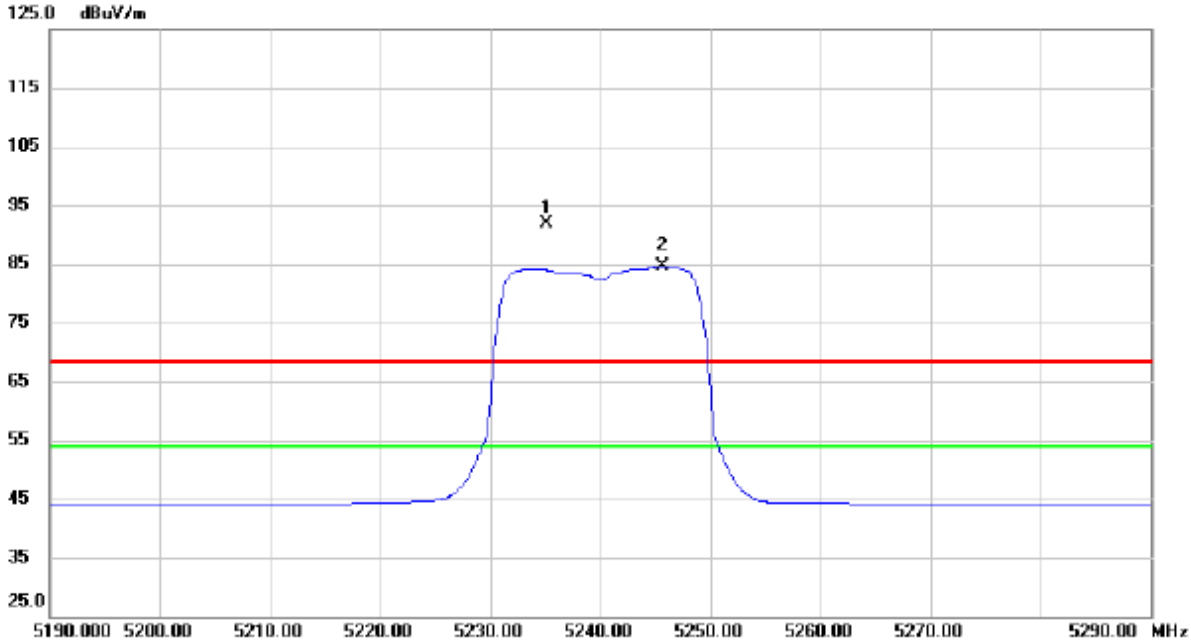
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.0500	28.85	15.24	44.09	68.30	-24.21	Peak	
2 *	10480.8800	25.90	15.25	41.15	54.00	-12.85	AVG	

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

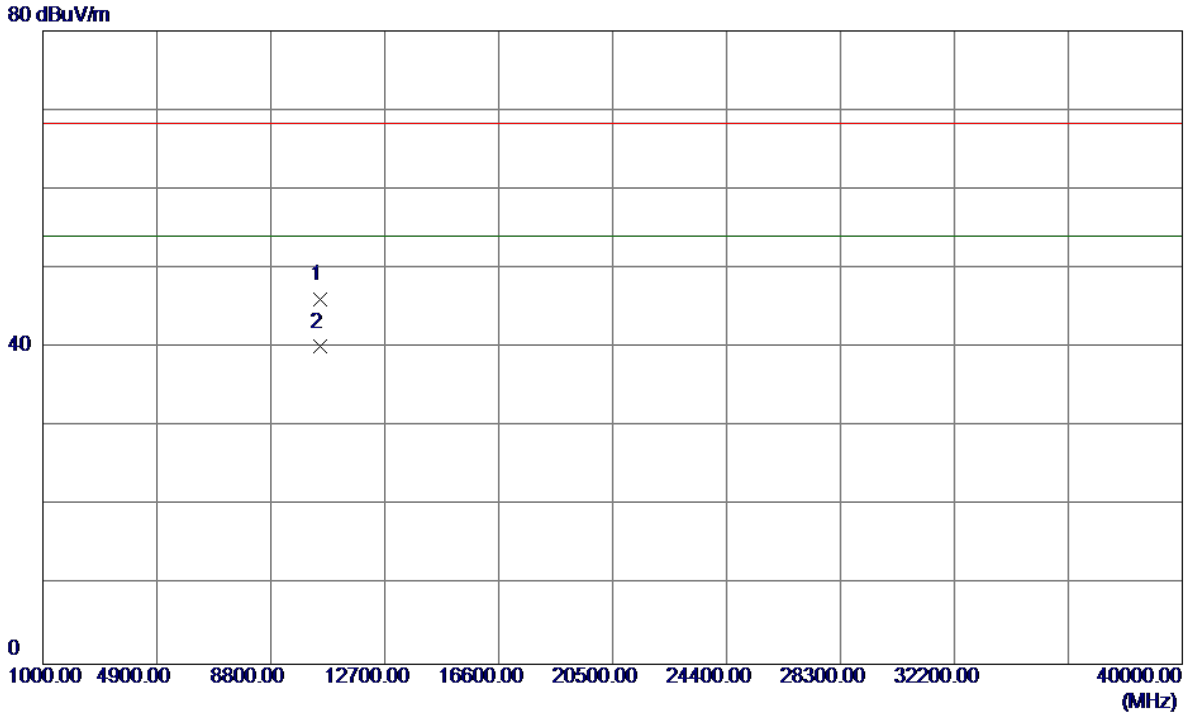
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5235.100	50.21	41.63	91.84	68.30	23.54	peak	No Limit
2	*	5245.700	42.97	41.67	84.64	54.00	30.64	AVG	No Limit

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

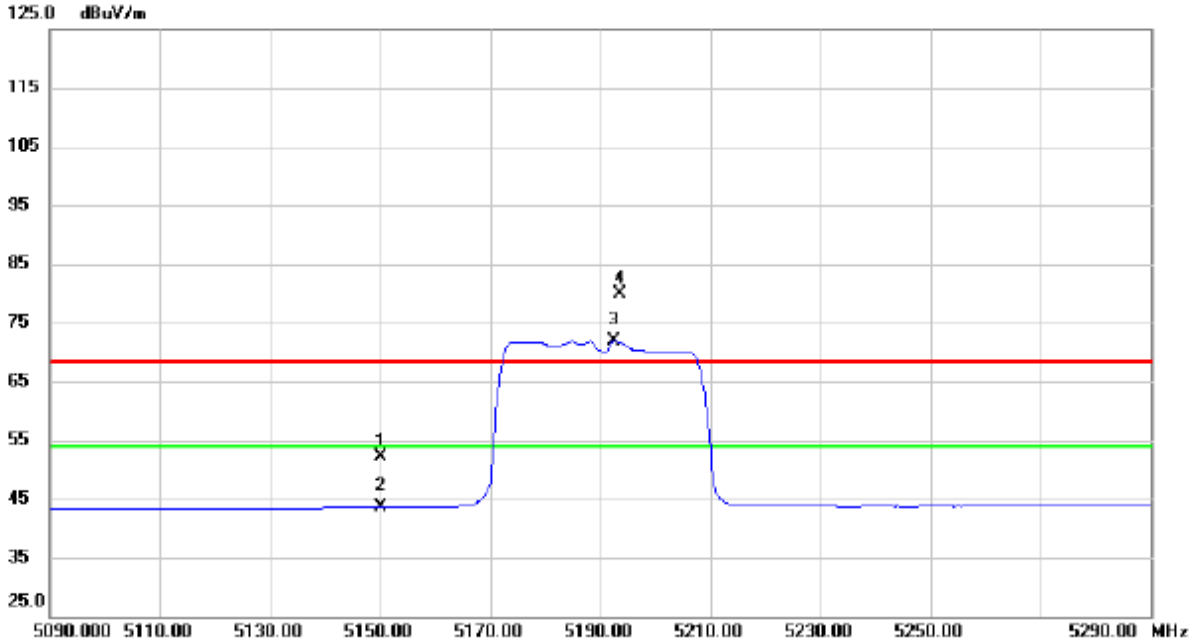
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.1500	30.84	15.24	46.08	68.30	-22.22	Peak	
2 *	10480.8750	24.83	15.25	40.08	54.00	-13.92	AVG	

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

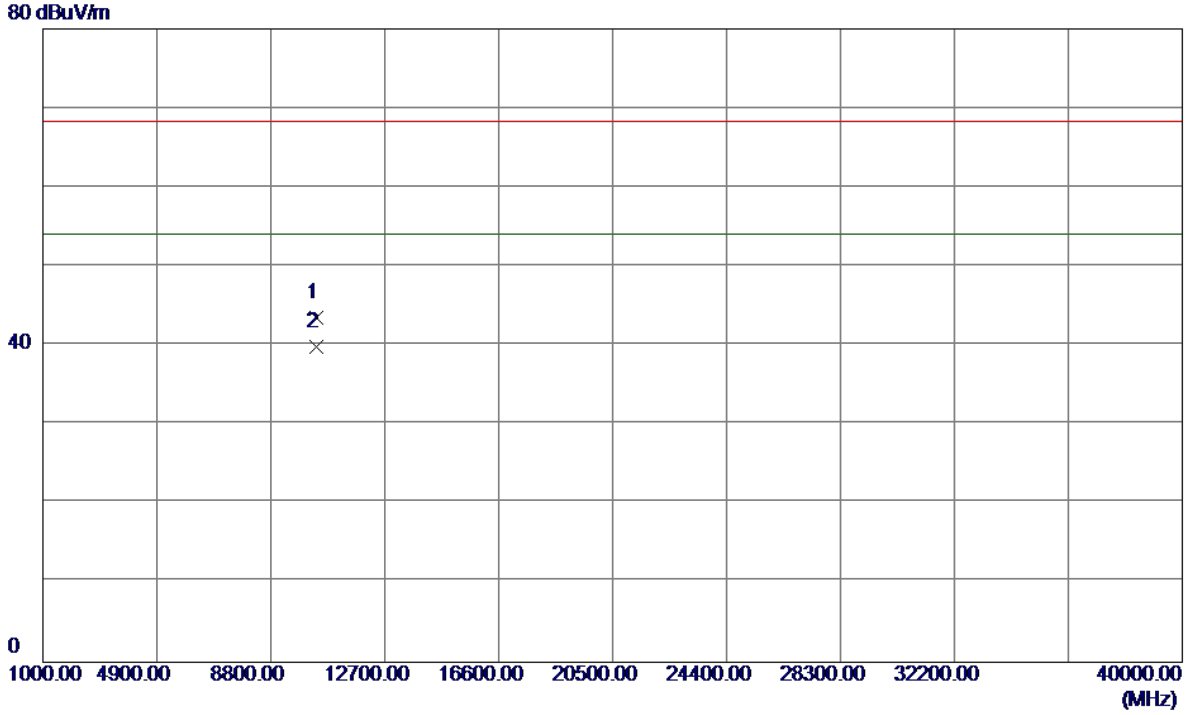
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	10.80	41.35	52.15	68.30	-16.15	peak	
2		5150.000	2.29	41.35	43.64	54.00	-10.36	AVG	
3	*	5192.600	30.39	41.49	71.88	54.00	17.88	AVG	No Limit
4	X	5193.600	38.27	41.49	79.76	68.30	11.46	peak	No Limit

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

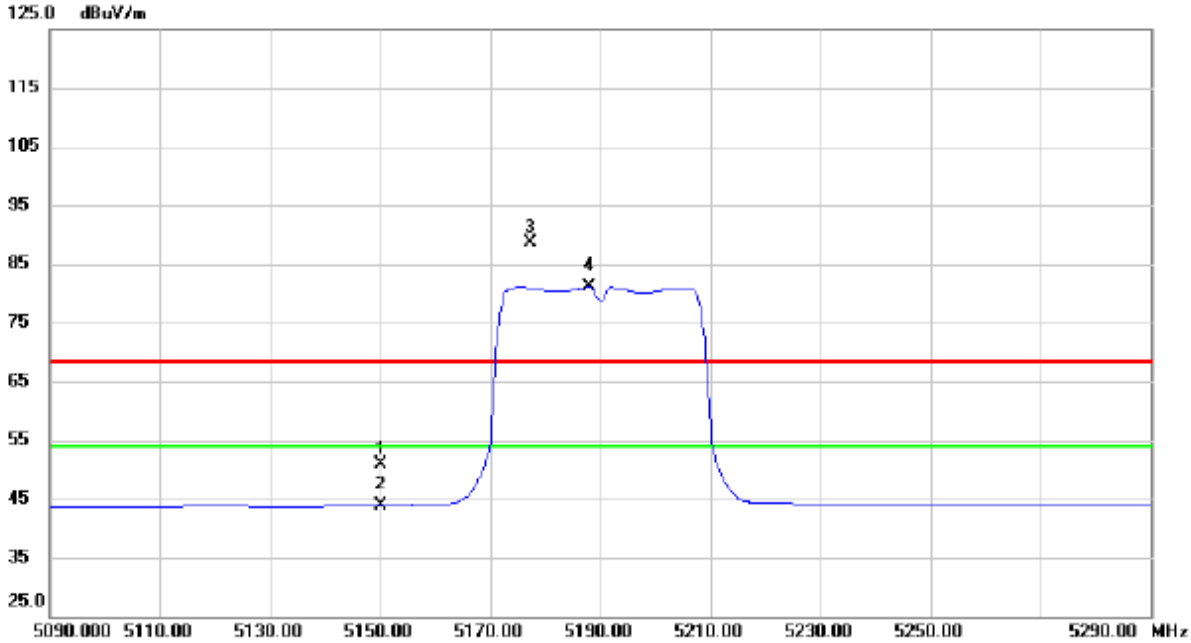
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.1550	28.52	15.01	43.53	68.30	-24.77	Peak	
2 *	10380.2400	24.80	15.01	39.81	54.00	-14.19	AVG	

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

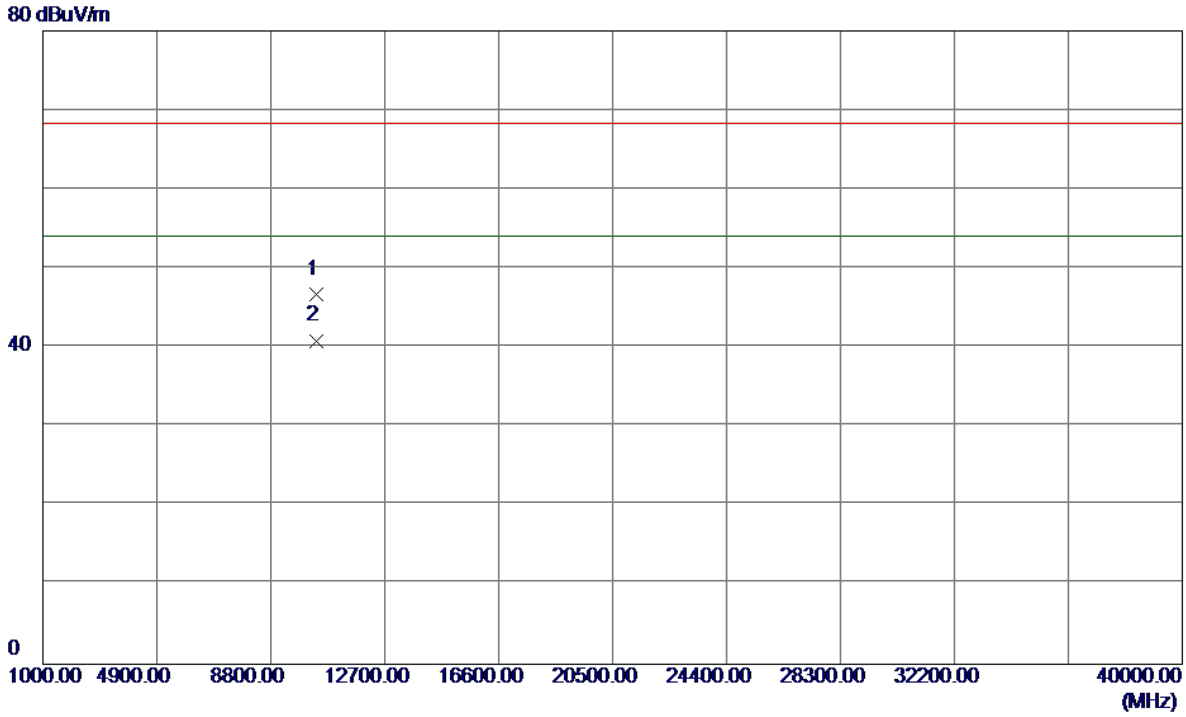
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	9.60	41.35	50.95	68.30	-17.35	peak	
2		5150.000	2.59	41.35	43.94	54.00	-10.06	AVG	
3	X	5177.400	47.13	41.44	88.57	68.30	20.27	peak	No Limit
4	*	5188.000	39.60	41.47	81.07	54.00	27.07	AVG	No Limit

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

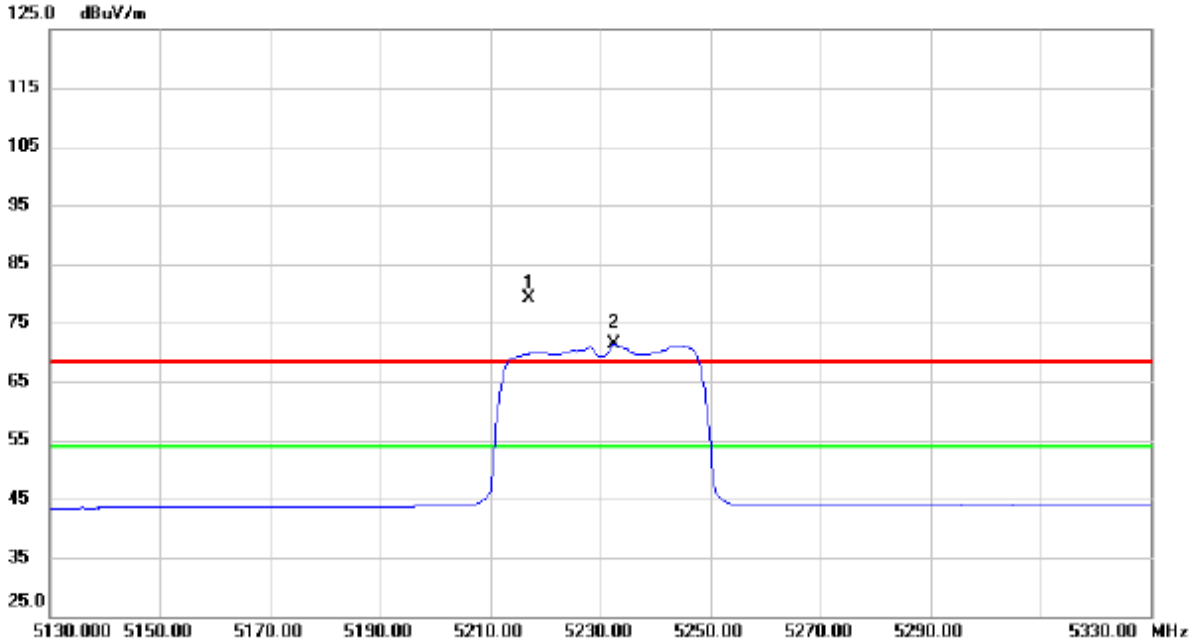
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.1250	31.64	15.01	46.65	68.30	-21.65	Peak	
2 *	10380.2450	25.87	15.01	40.88	54.00	-13.12	AVG	

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

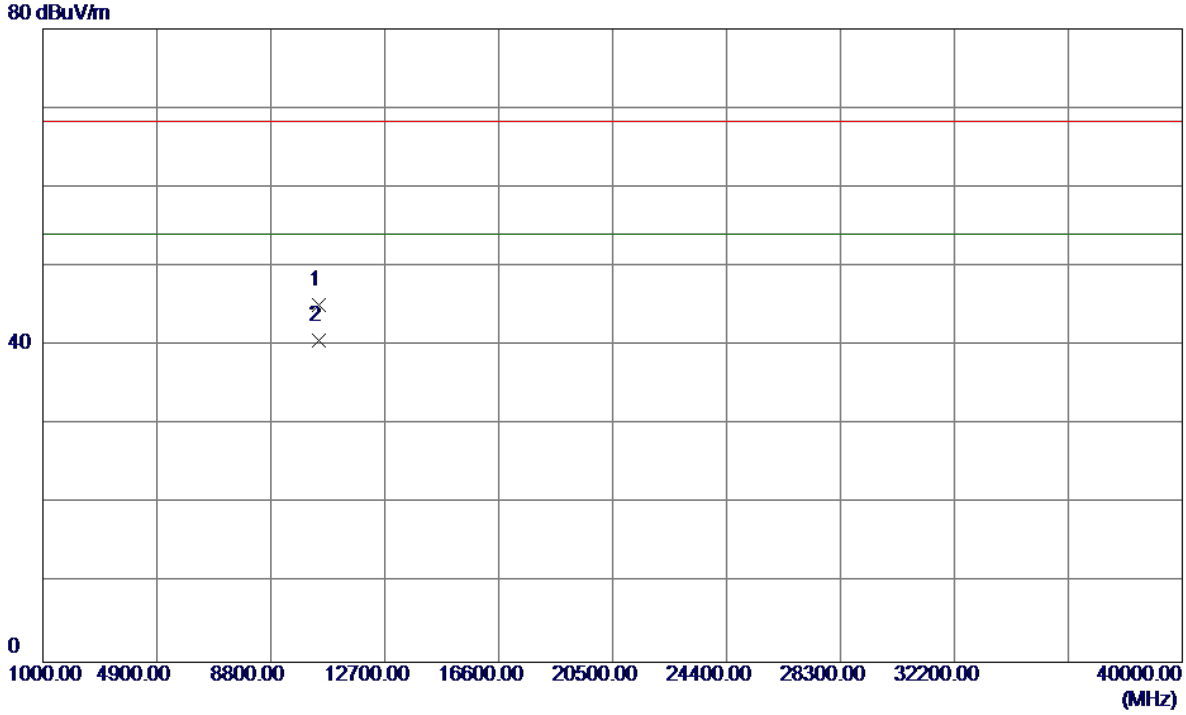
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5217.200	37.67	41.57	79.24	68.30	10.94	peak	No Limit
2	*	5232.600	29.71	41.63	71.34	54.00	17.34	AVG	No Limit

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

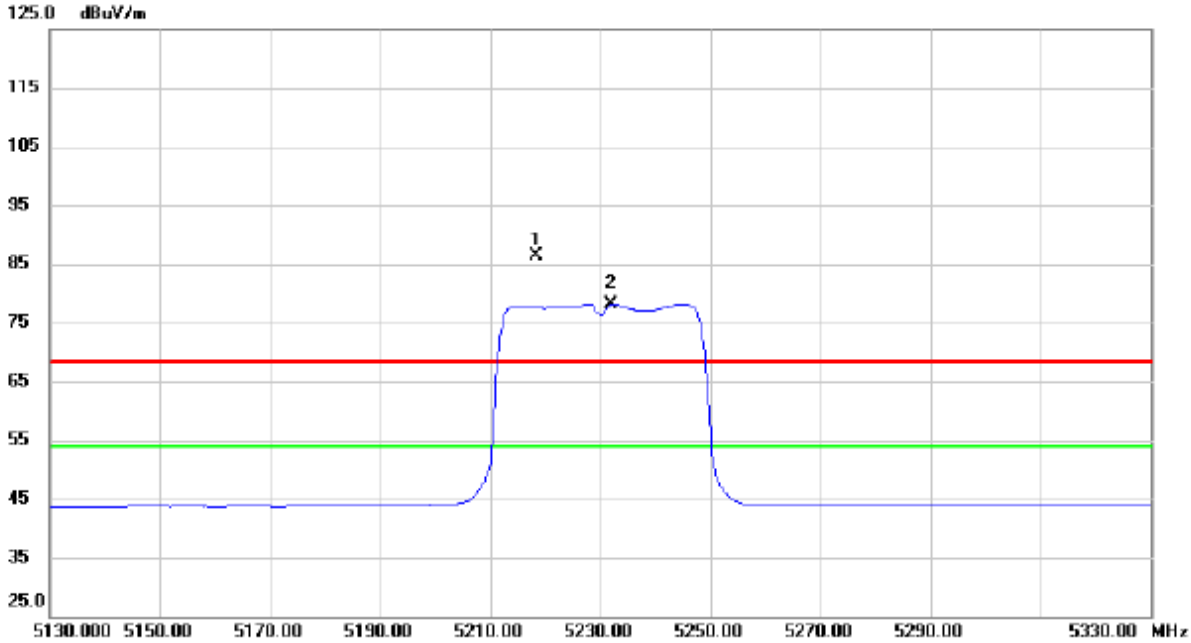
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.4750	29.97	15.20	45.17	68.30	-23.13	Peak	
2 *	10460.5850	25.41	15.20	40.61	54.00	-13.39	AVG	

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

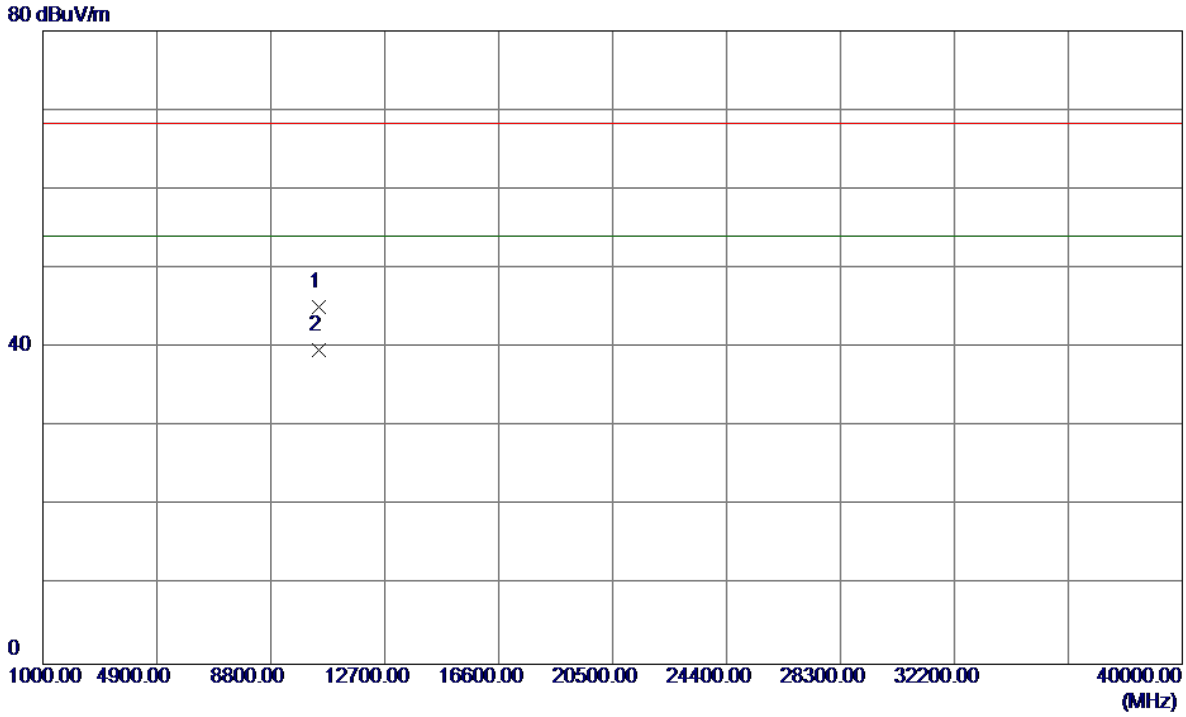
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5218.400	44.90	41.57	86.47	68.30	18.17	peak	No Limit
2	*	5232.000	36.56	41.63	78.19	54.00	24.19	AVG	No Limit

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

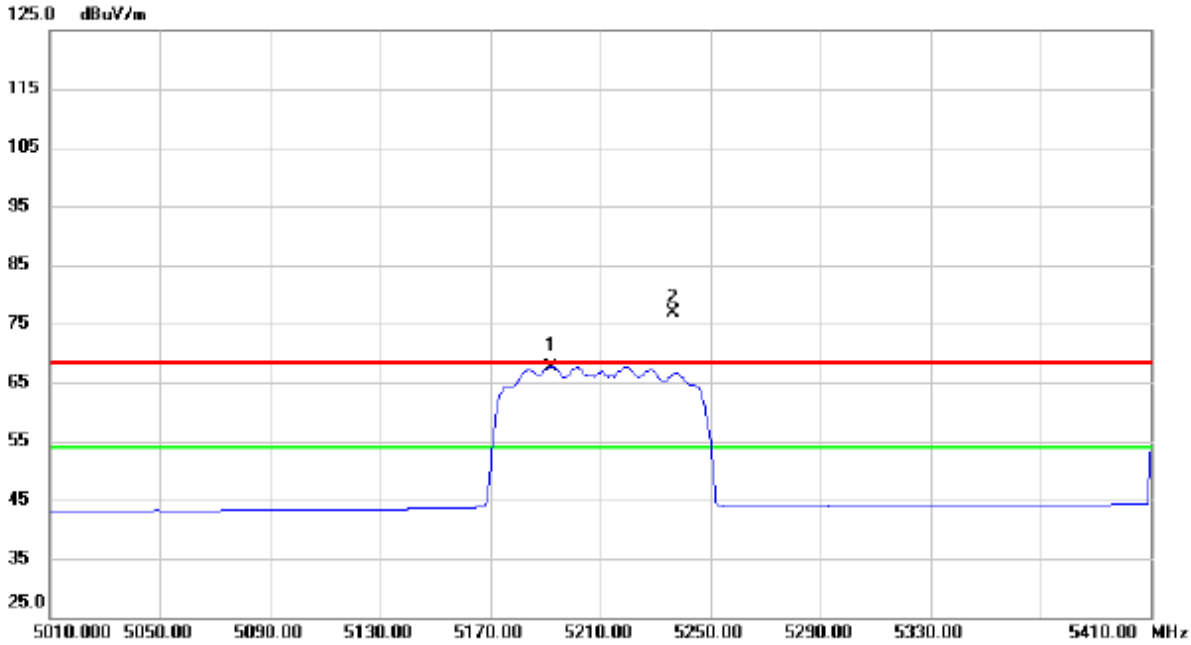
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.4550	29.99	15.20	45.19	68.30	-23.11	Peak	
2 *	10460.5950	24.44	15.20	39.64	54.00	-14.36	AVG	

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

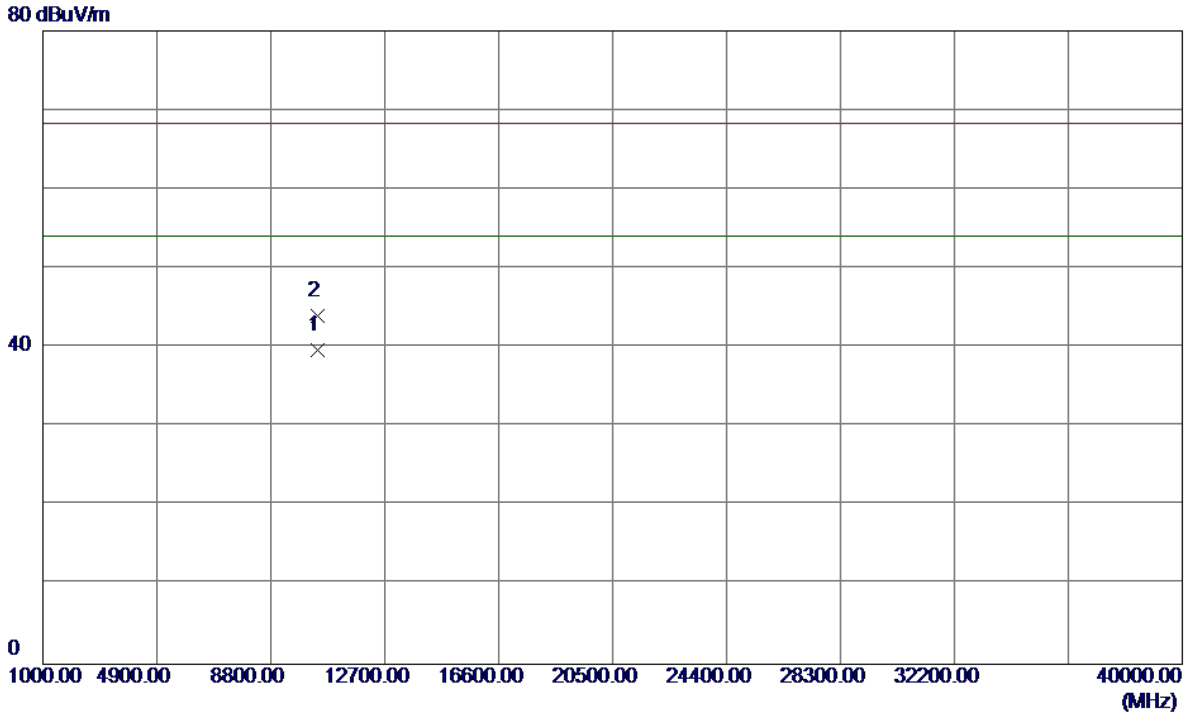
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5192.000	26.26	41.49	67.75	54.00	13.75	AVG	No Limit
2	X	5236.400	35.35	41.64	76.99	68.30	8.69	peak	No Limit

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

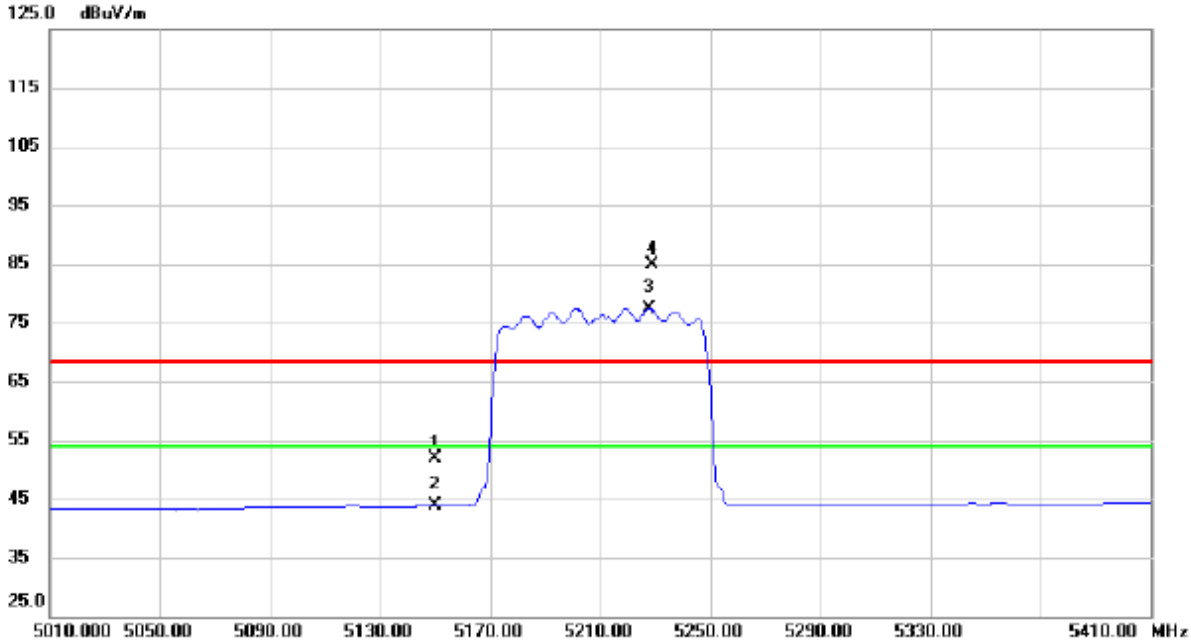
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.8600	24.62	15.10	39.72	54.00	-14.28	AVG	
2	10420.8700	28.91	15.10	44.01	68.30	-24.29	Peak	

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

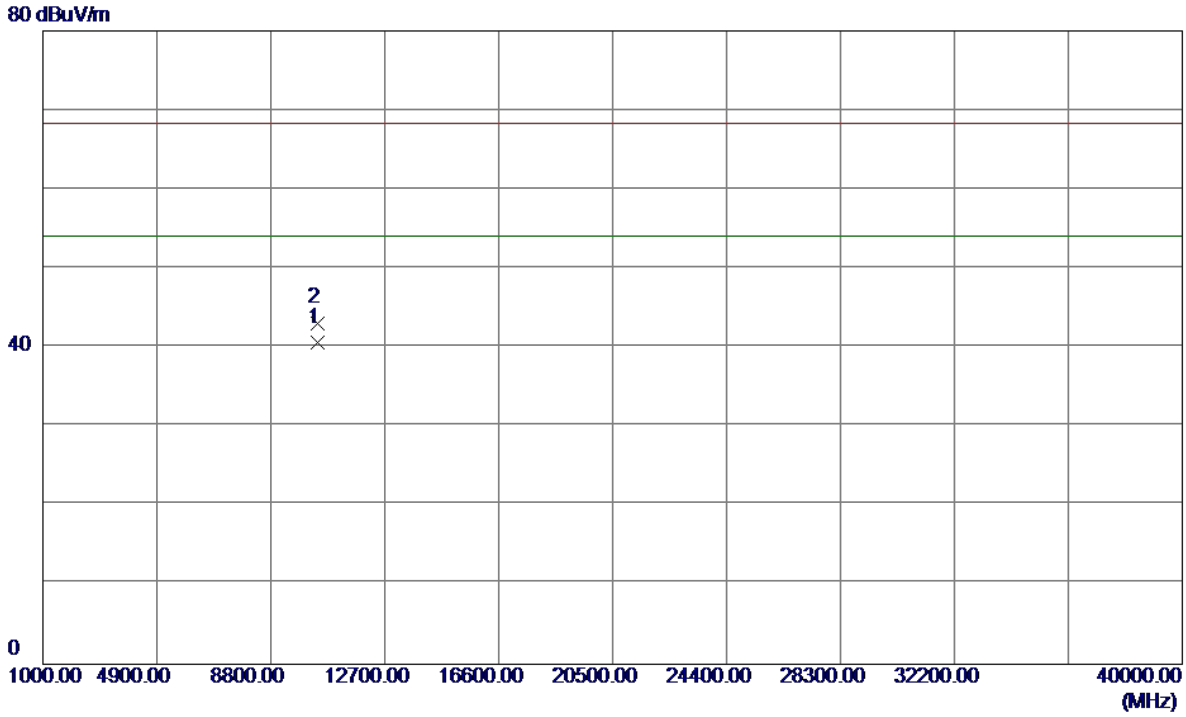
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	10.47	41.35	51.82	68.30	-16.48	peak	
2		5150.000	2.49	41.35	43.84	54.00	-10.16	AVG	
3	*	5228.000	35.84	41.61	77.45	54.00	23.45	AVG	No Limit
4	X	5229.200	43.16	41.61	84.77	68.30	16.47	peak	No Limit

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

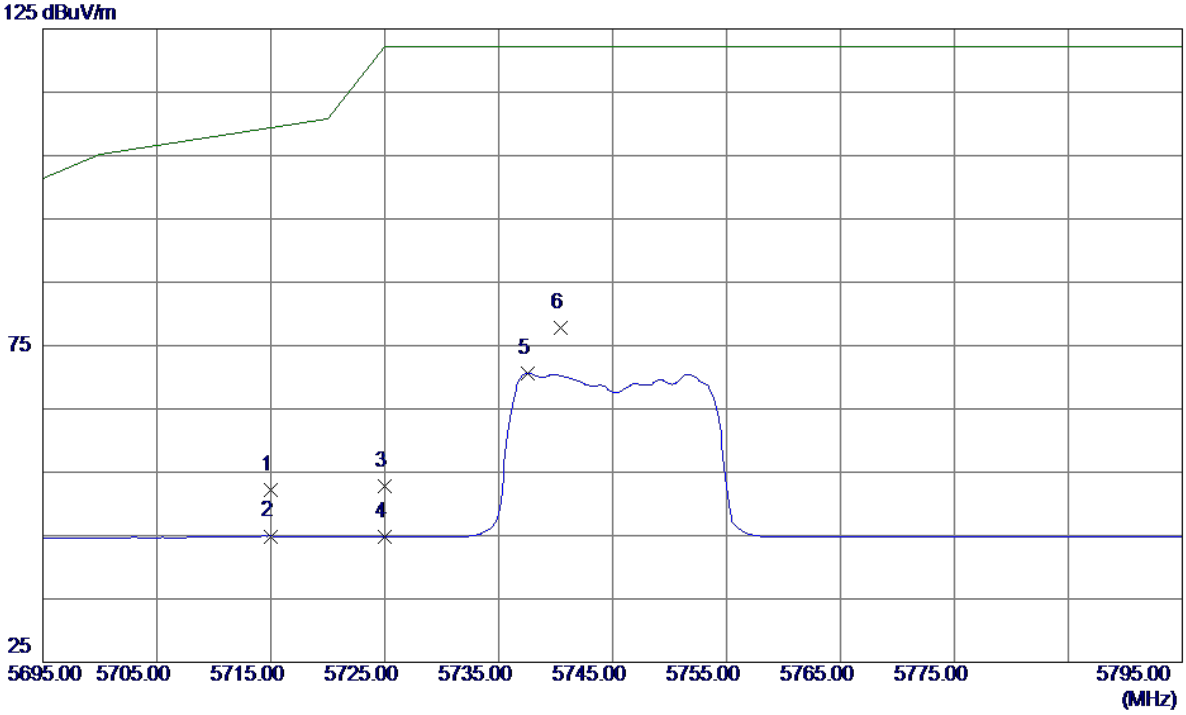
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.2500	25.55	15.10	40.65	54.00	-13.35	AVG	
2	10420.8550	28.02	15.10	43.12	68.30	-25.18	Peak	

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

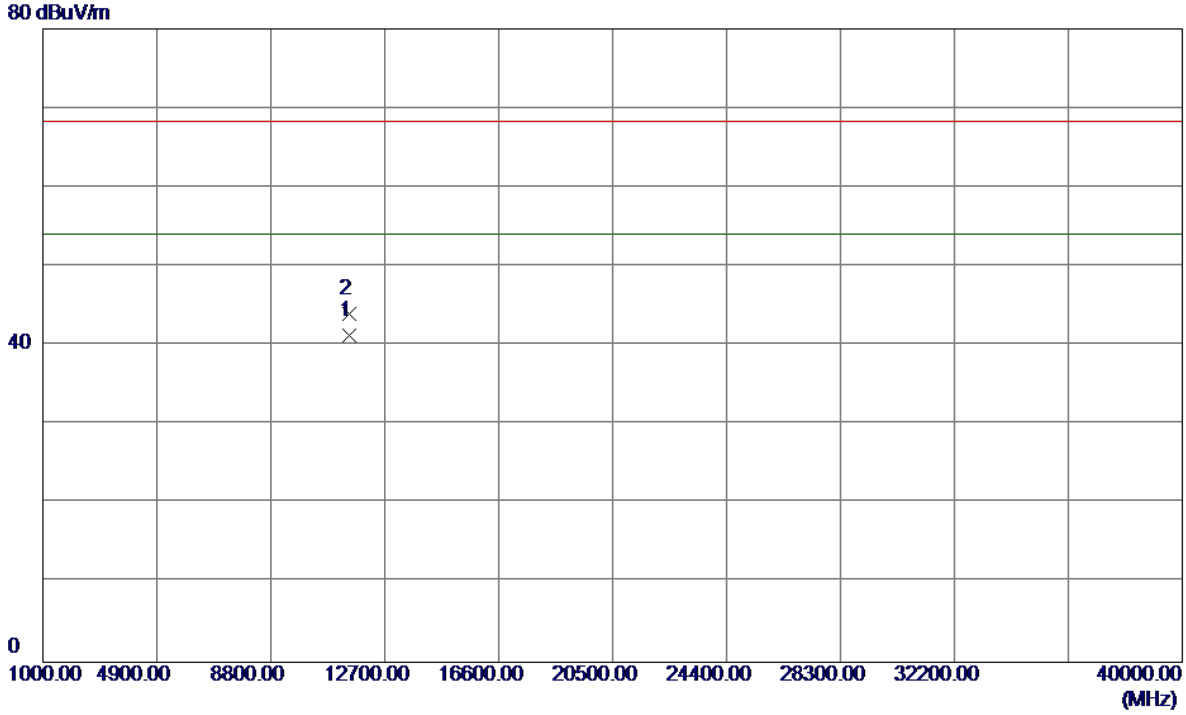
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	9.41	42.72	52.13	109.40	-57.27	Peak	
2	5715.0000	2.18	42.72	44.90	109.40	-64.50	AVG	
3	5725.0000	10.08	42.73	52.81	122.20	-69.39	Peak	
4	5725.0000	2.10	42.73	44.83	122.20	-77.37	AVG	
5	5737.6000	27.90	42.74	70.64	122.20	-51.56	AVG	
6 *	5740.4000	35.13	42.74	77.87	122.20	-44.33	Peak	

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

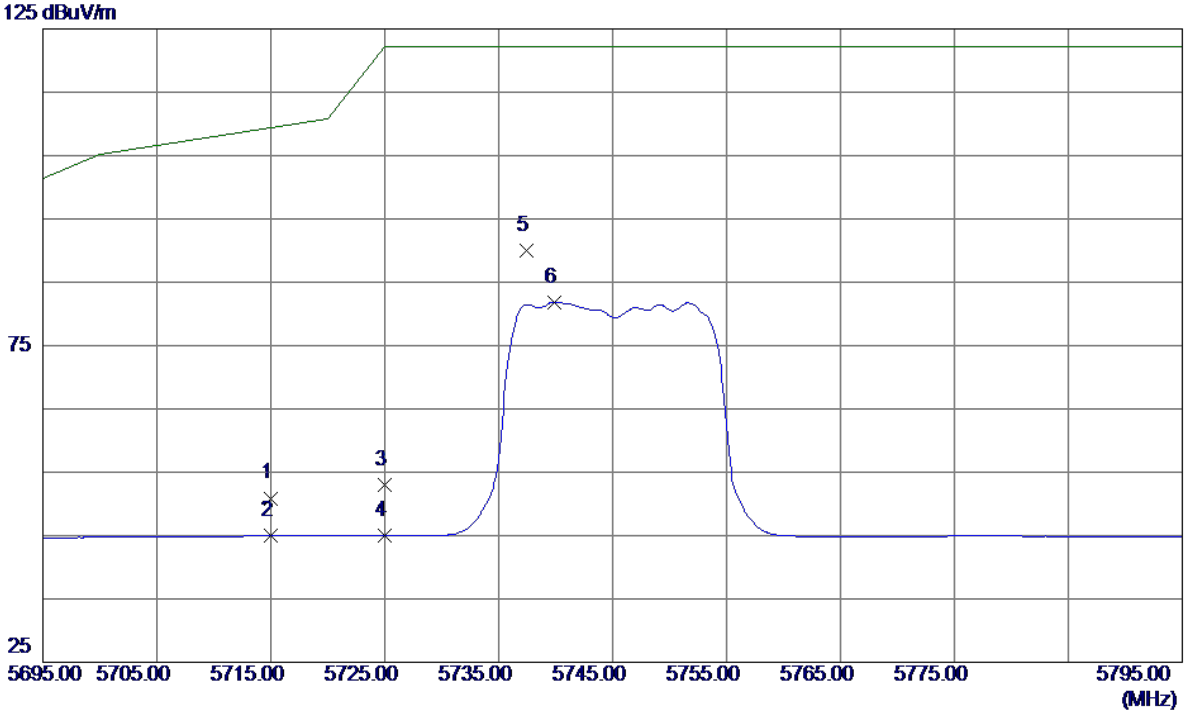
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11490.2450	25.81	15.49	41.30	54.00	-12.70	AVG	
2	11490.2650	28.48	15.49	43.97	68.30	-24.33	Peak	

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

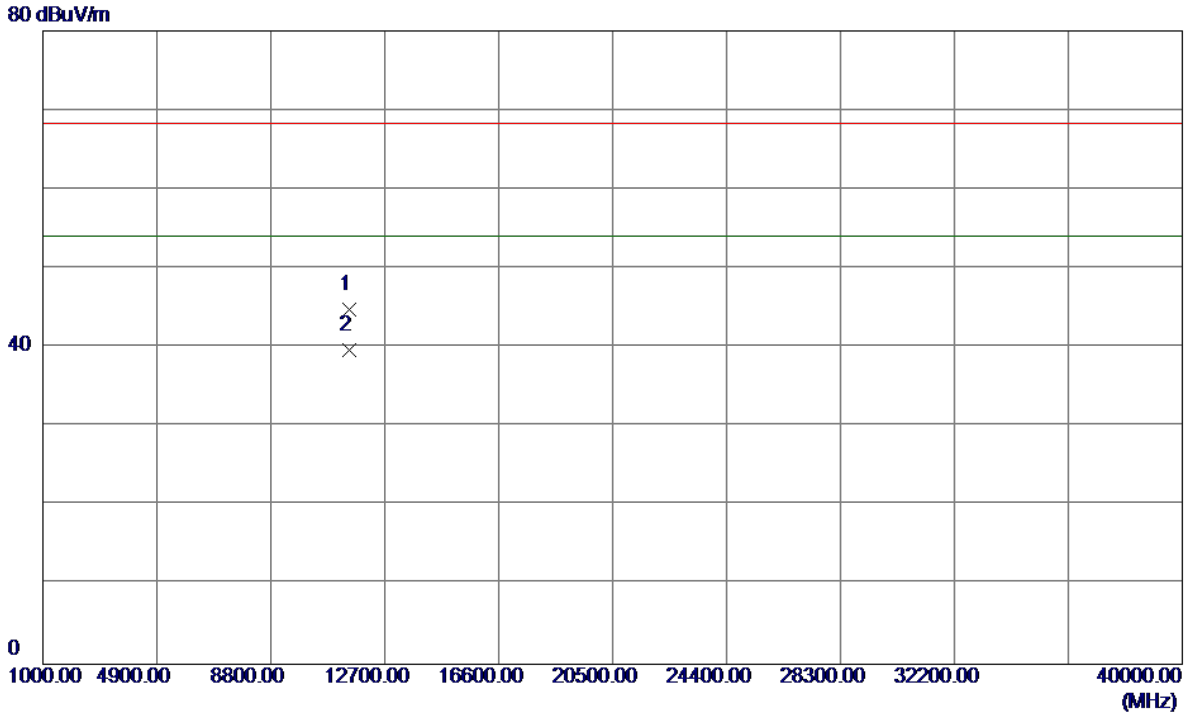
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	8.18	42.72	50.90	109.40	-58.50	Peak	
2	5715.0000	2.22	42.72	44.94	109.40	-64.46	AVG	
3	5725.0000	10.36	42.73	53.09	122.20	-69.11	Peak	
4	5725.0000	2.20	42.73	44.93	122.20	-77.27	AVG	
5 *	5737.4000	47.16	42.74	89.90	122.20	-32.30	Peak	
6	5739.9000	39.12	42.74	81.86	122.20	-40.34	AVG	

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

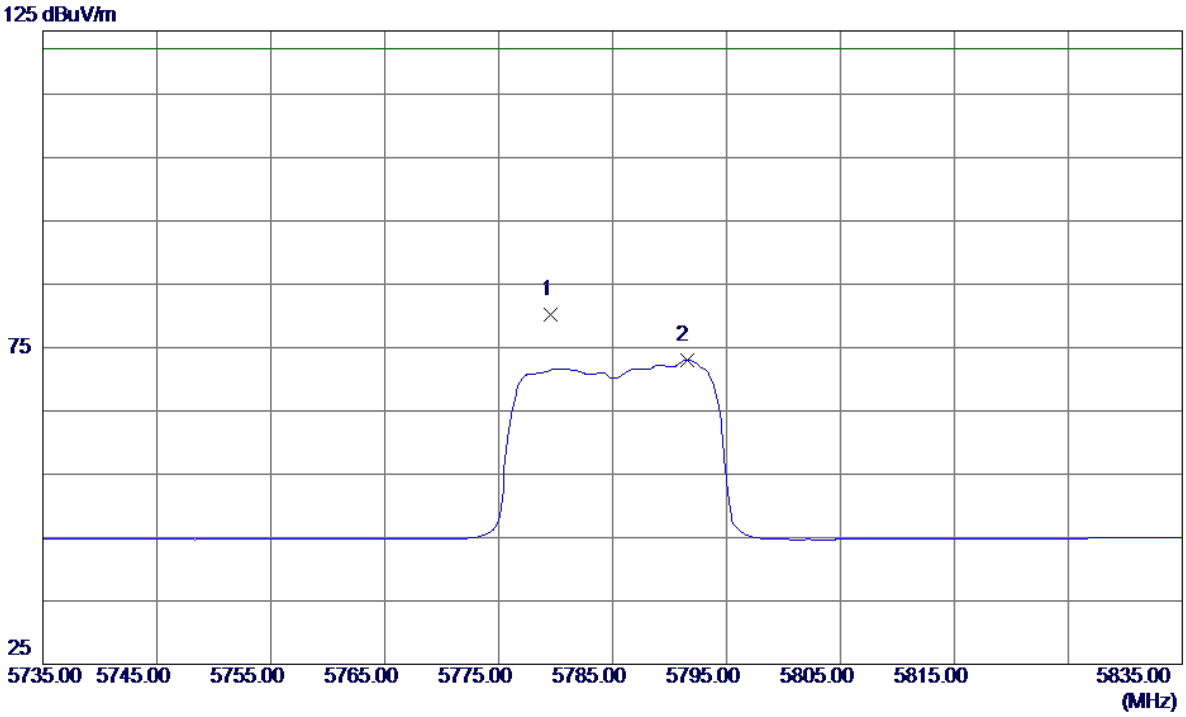
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.3450	29.37	15.49	44.86	68.30	-23.44	Peak	
2 *	11490.5500	24.13	15.49	39.62	54.00	-14.38	AVG	

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

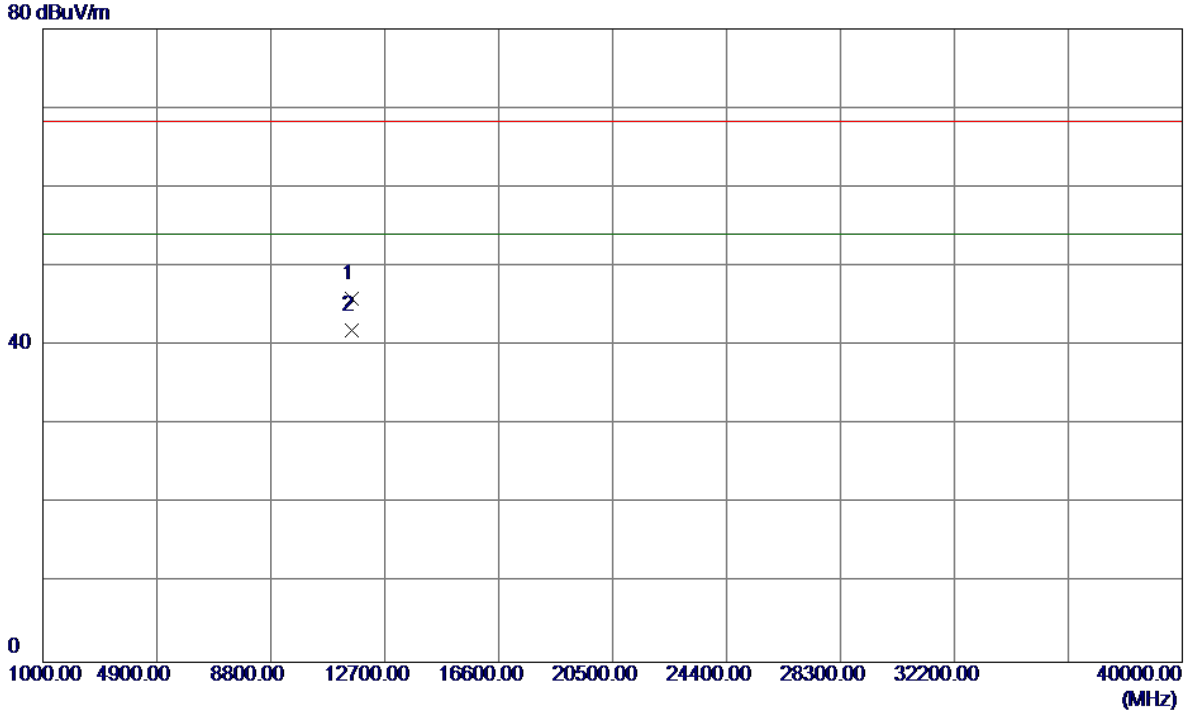
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5779.6000	37.43	42.78	80.21	122.20	-41.99	Peak	
2	5791.5000	30.26	42.79	73.05	122.20	-49.15	AVG	

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

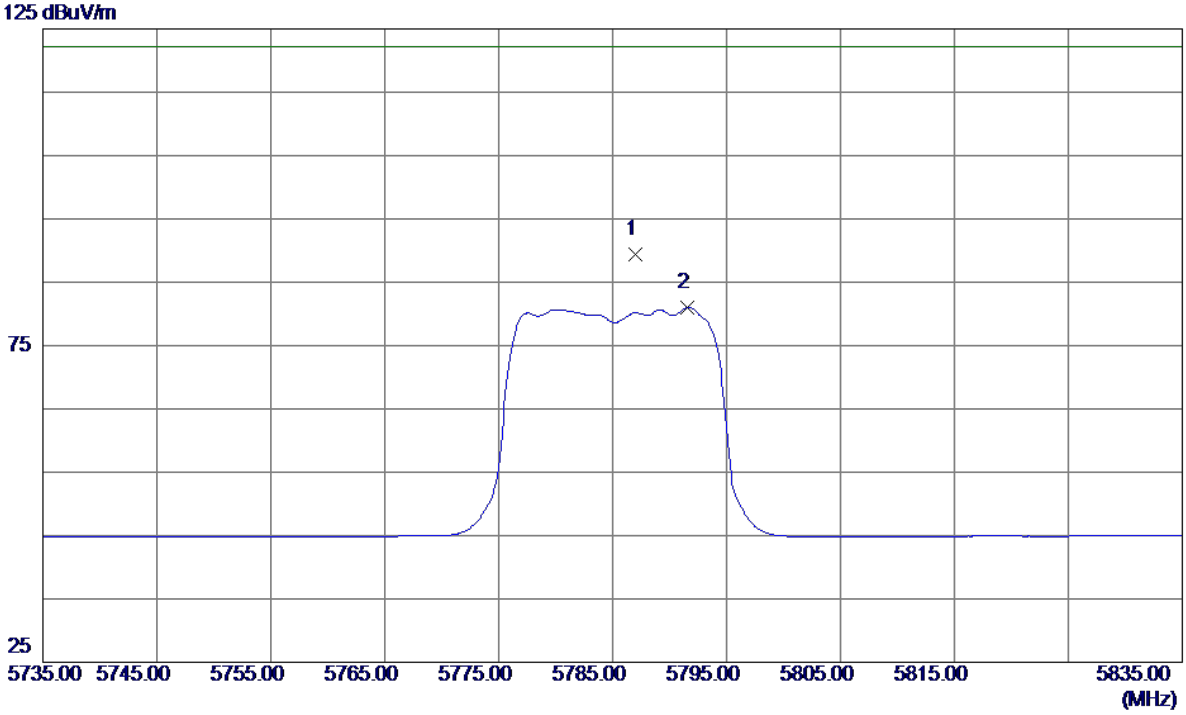
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.5800	30.42	15.48	45.90	68.30	-22.40	Peak	
2 *	11570.6000	26.46	15.48	41.94	54.00	-12.06	AVG	

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

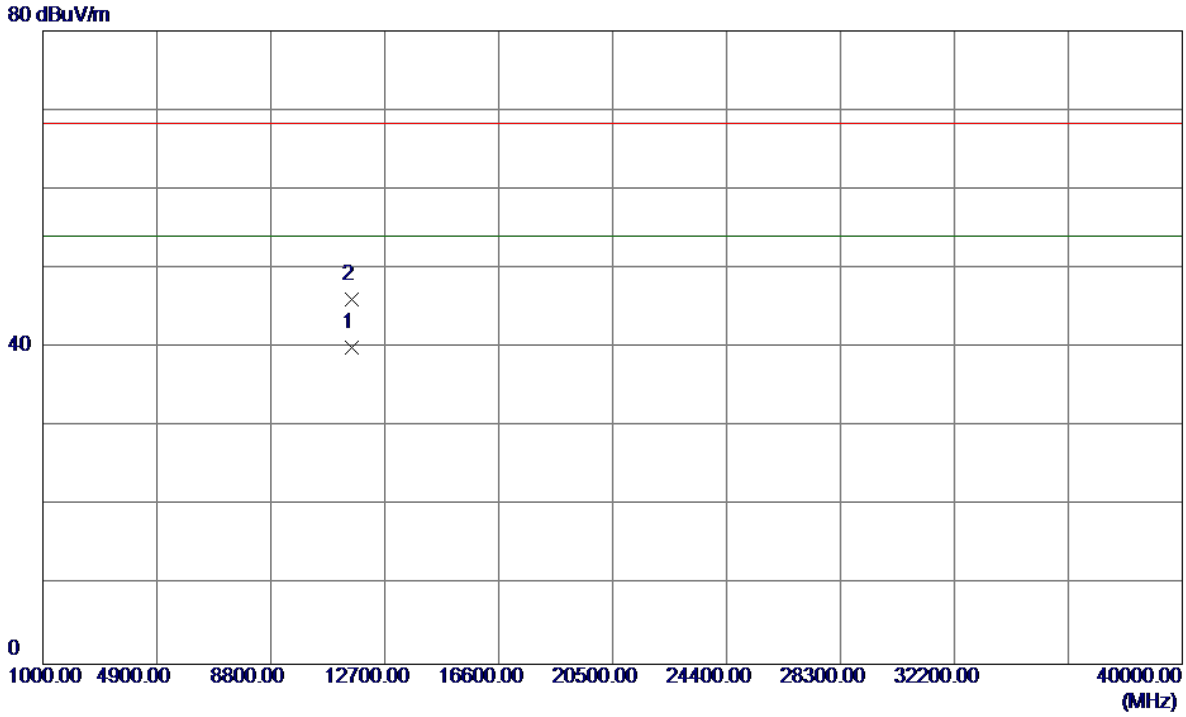
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5787.0000	46.57	42.78	89.35	122.20	-32.85	Peak	
2	5791.6000	38.18	42.79	80.97	122.20	-41.23	AVG	

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

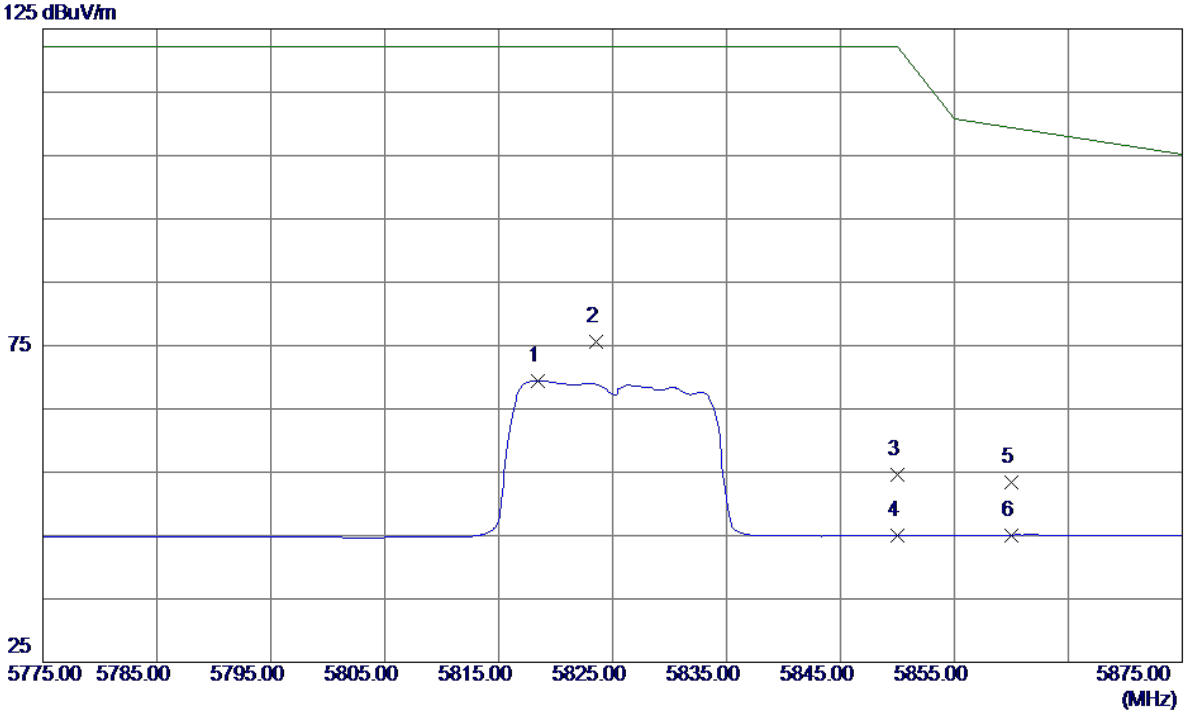
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11570.5750	24.59	15.48	40.07	54.00	-13.93	AVG	
2	11570.6250	30.54	15.48	46.02	68.30	-22.28	Peak	

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

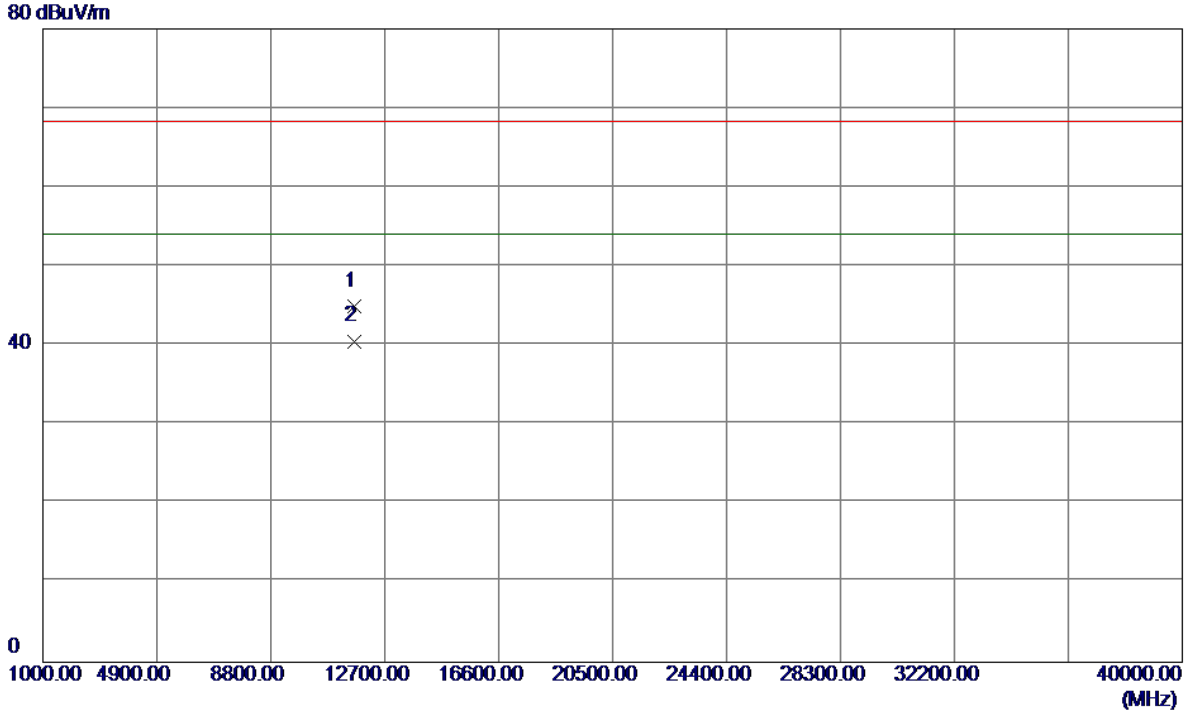
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5818.4000	26.68	42.81	69.49	122.20	-52.71	AVG	
2 *	5823.6000	32.83	42.81	75.64	122.20	-46.56	Peak	
3	5850.0000	11.83	42.84	54.67	122.20	-67.53	Peak	
4	5850.0000	2.21	42.84	45.05	122.20	-77.15	AVG	
5	5860.0000	10.53	42.85	53.38	109.40	-56.02	Peak	
6	5860.0000	2.24	42.85	45.09	109.40	-64.31	AVG	

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

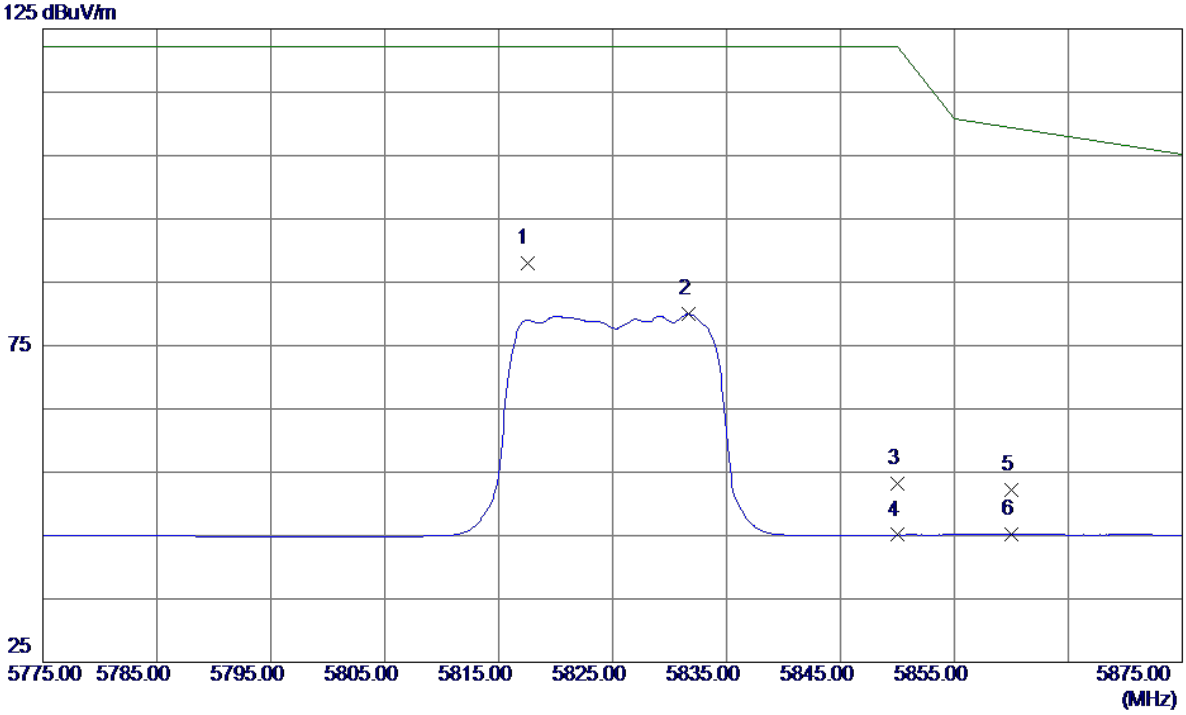
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.9349	29.53	15.48	45.01	68.30	-23.29	Peak	
2 *	11650.9450	25.08	15.48	40.56	54.00	-13.44	AVG	

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

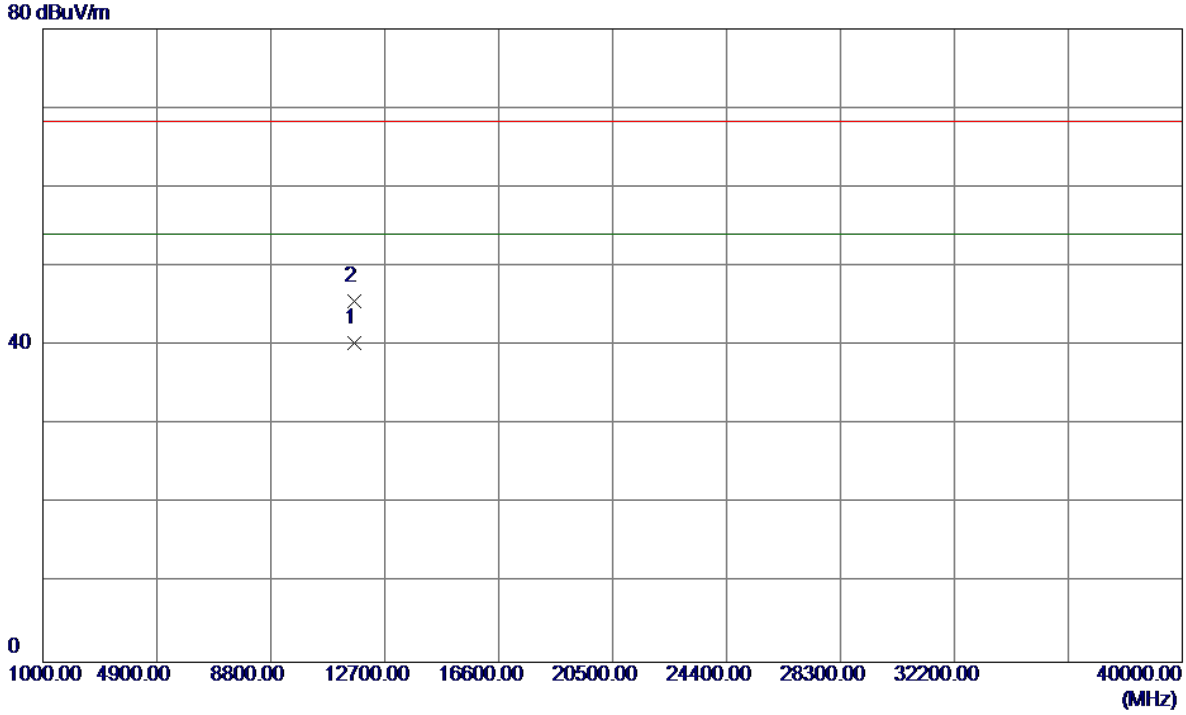
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5817.5000	45.14	42.81	87.95	122.20	-34.25	Peak	
2	5831.7000	37.11	42.82	79.93	122.20	-42.27	AVG	
3	5850.0000	10.30	42.84	53.14	122.20	-69.06	Peak	
4	5850.0000	2.26	42.84	45.10	122.20	-77.10	AVG	
5	5860.0000	9.33	42.85	52.18	109.40	-57.22	Peak	
6	5860.0000	2.28	42.85	45.13	109.40	-64.27	AVG	

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

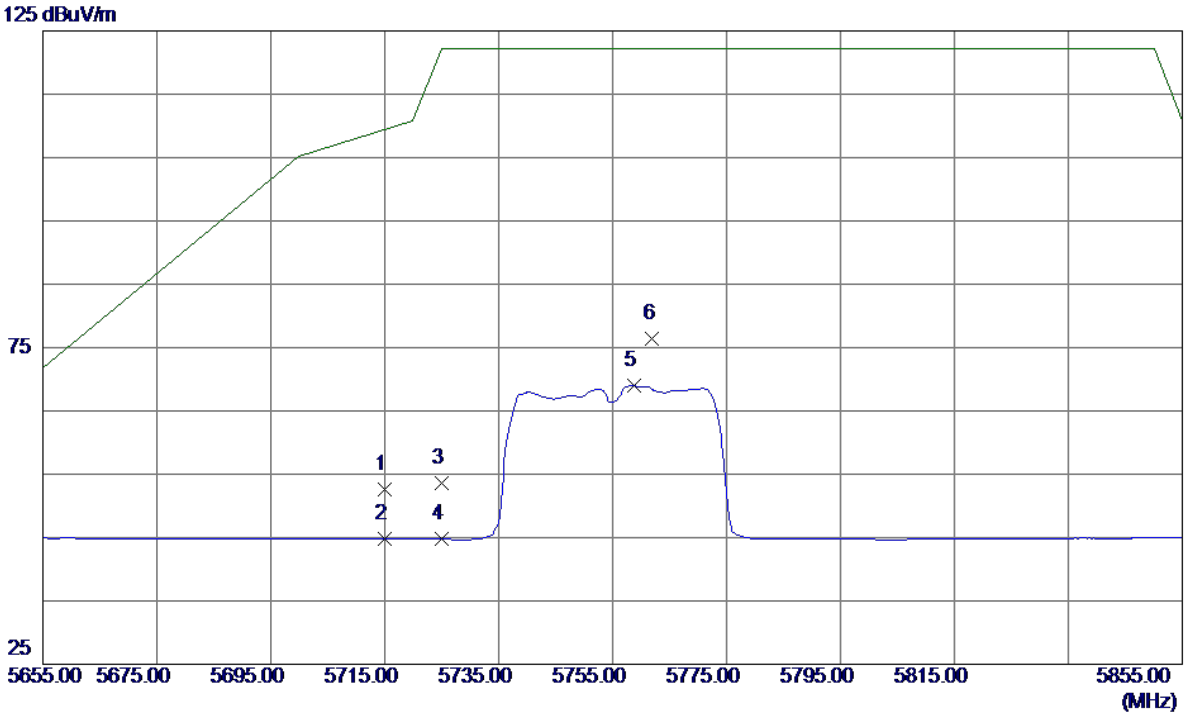
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11650.9250	24.91	15.48	40.39	54.00	-13.61	AVG	
2	11650.9550	30.14	15.48	45.62	68.30	-22.68	Peak	

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

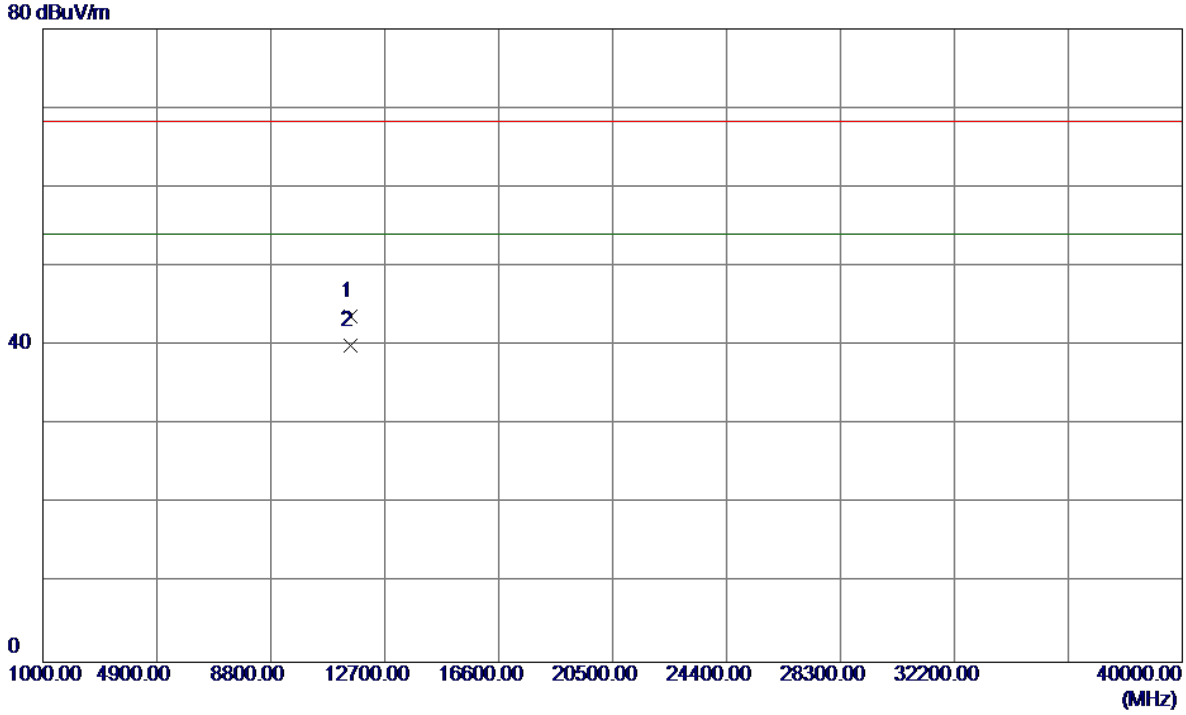
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	9.95	42.72	52.67	109.40	-56.73	Peak	
2	5715.0000	2.15	42.72	44.87	109.40	-64.53	AVG	
3	5725.0000	10.90	42.73	53.63	122.20	-68.57	Peak	
4	5725.0000	2.02	42.73	44.75	122.20	-77.45	AVG	
5	5758.8000	26.16	42.76	68.92	122.20	-53.28	AVG	
6 *	5762.0000	33.58	42.76	76.34	122.20	-45.86	Peak	

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

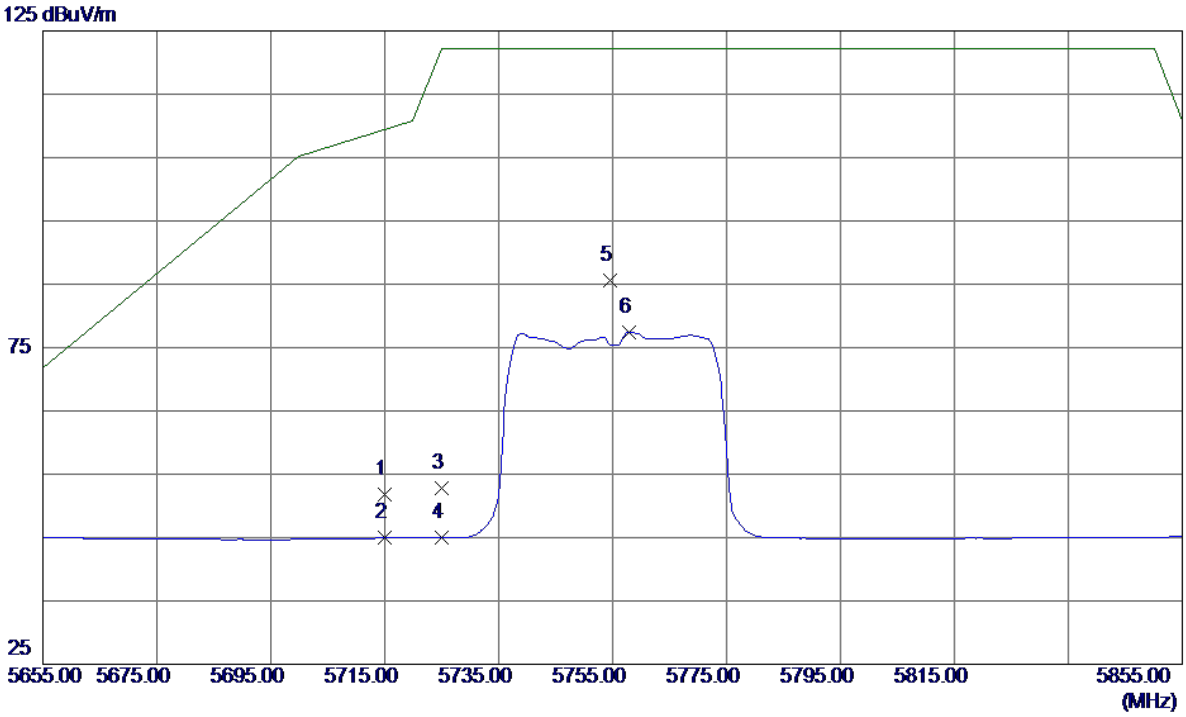
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.6100	28.23	15.48	43.71	68.30	-24.59	Peak	
2 *	11510.7200	24.56	15.48	40.04	54.00	-13.96	AVG	

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

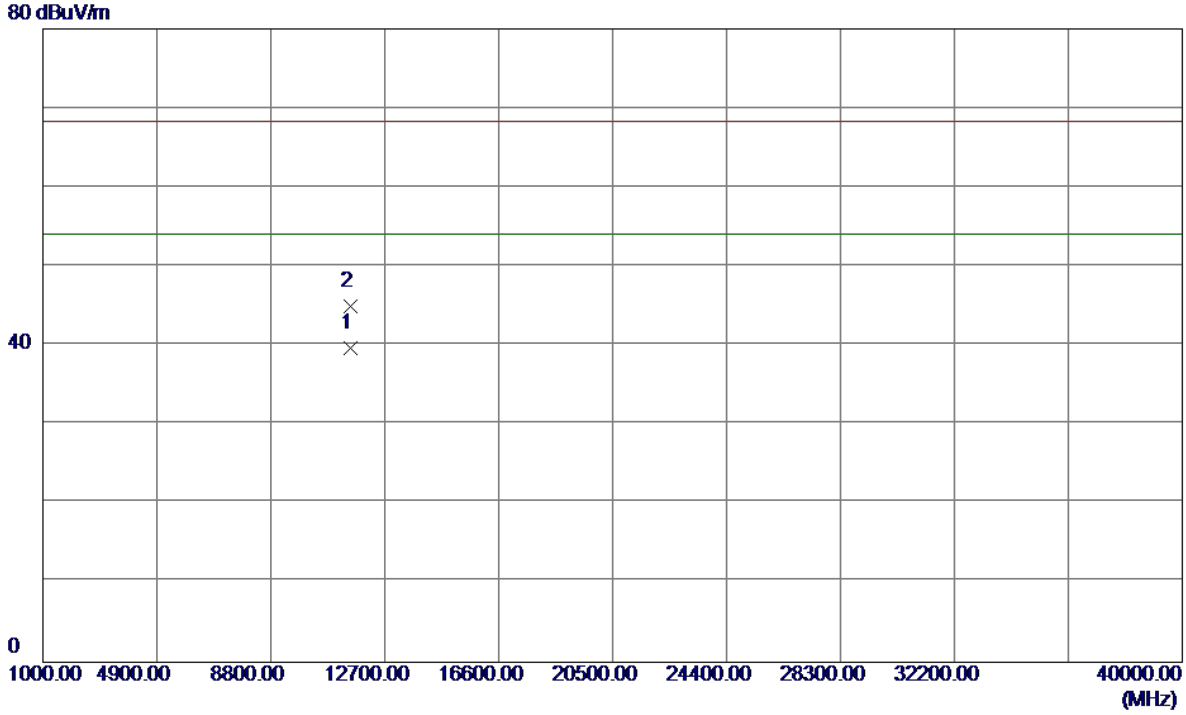
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	9.17	42.72	51.89	109.40	-57.51	Peak	
2	5715.0000	2.20	42.72	44.92	109.40	-64.48	AVG	
3	5725.0000	10.08	42.73	52.81	122.20	-69.39	Peak	
4	5725.0000	2.19	42.73	44.92	122.20	-77.28	AVG	
5 *	5754.6000	42.87	42.75	85.62	122.20	-36.58	Peak	
6	5757.8000	34.68	42.76	77.44	122.20	-44.76	AVG	

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

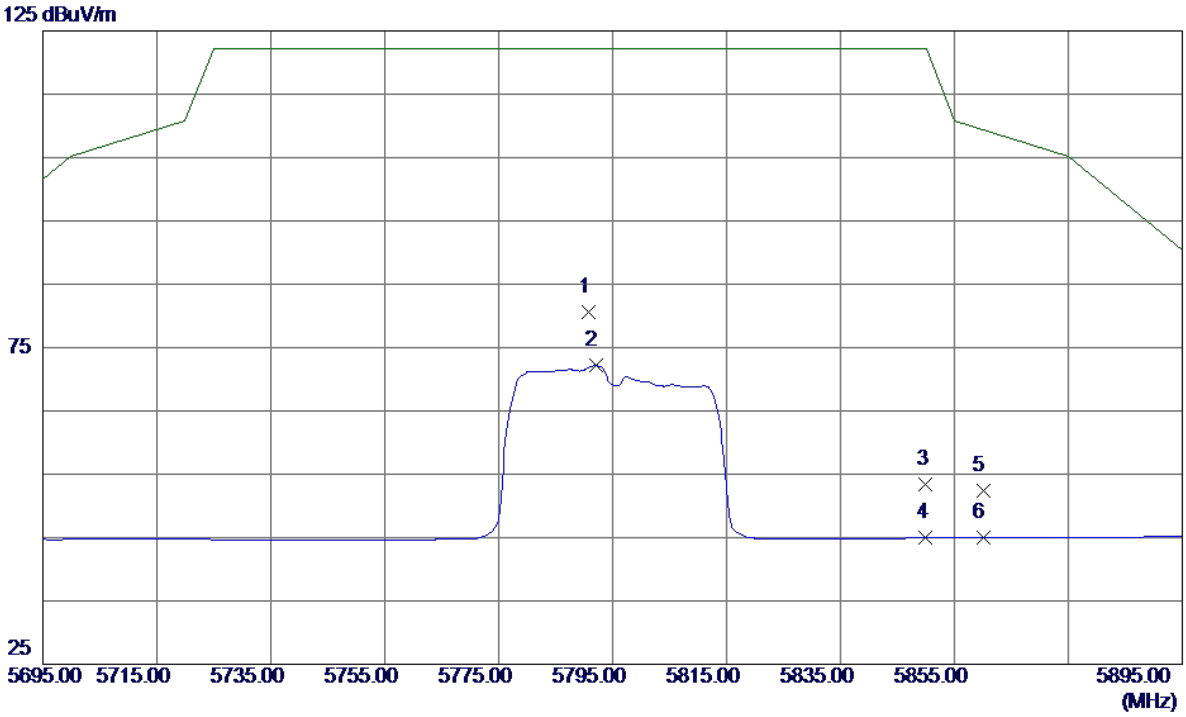
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11510.6100	24.21	15.48	39.69	54.00	-14.31	AVG	
2	11510.7200	29.54	15.48	45.02	68.30	-23.28	Peak	

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

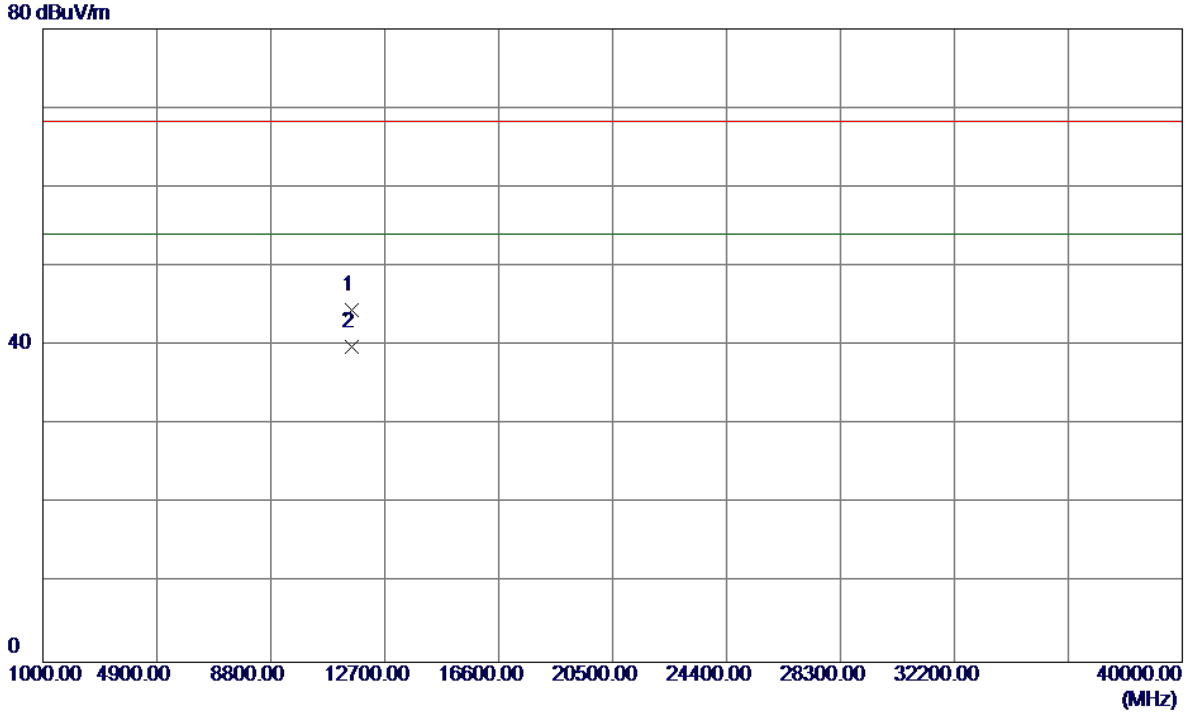
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5790.8000	37.76	42.79	80.55	122.20	-41.65	Peak	
2	5792.0000	29.36	42.79	72.15	122.20	-50.05	AVG	
3	5850.0000	10.58	42.84	53.42	122.20	-68.78	Peak	
4	5850.0000	2.15	42.84	44.99	122.20	-77.21	AVG	
5	5860.0000	9.55	42.85	52.40	109.40	-57.00	Peak	
6	5860.0000	2.22	42.85	45.07	109.40	-64.33	AVG	

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

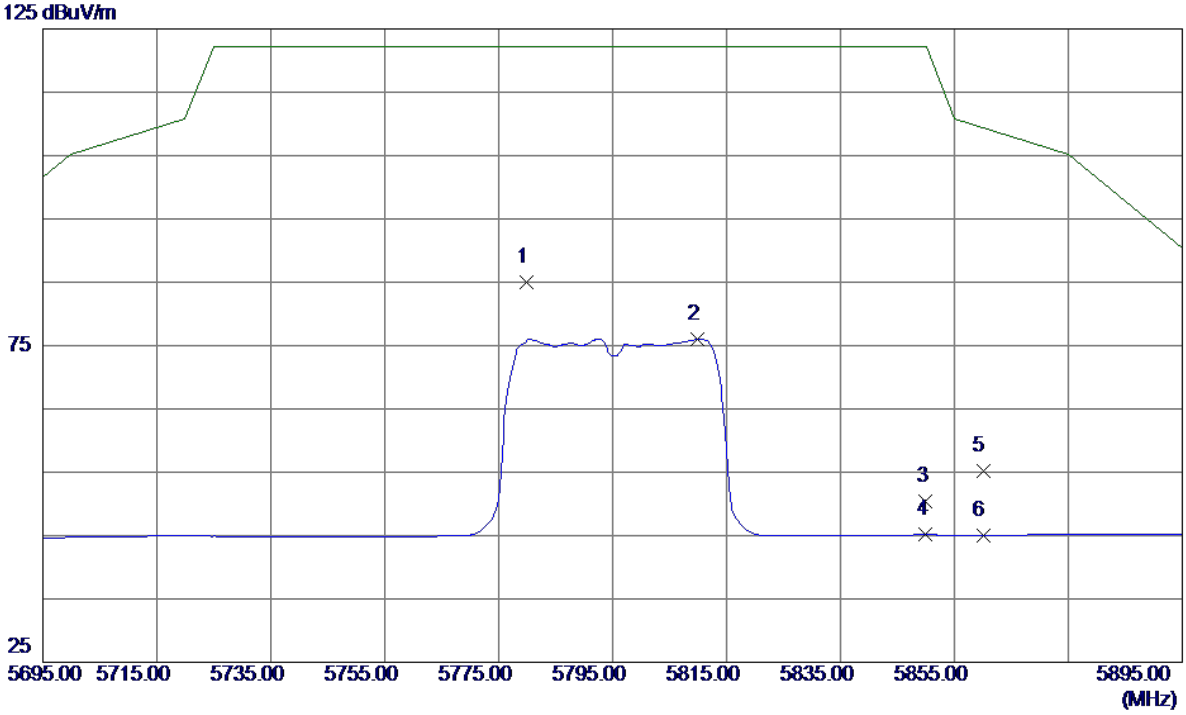
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.8750	28.95	15.48	44.43	68.30	-23.87	Peak	
2 *	11590.8949	24.29	15.48	39.77	54.00	-14.23	AVG	

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

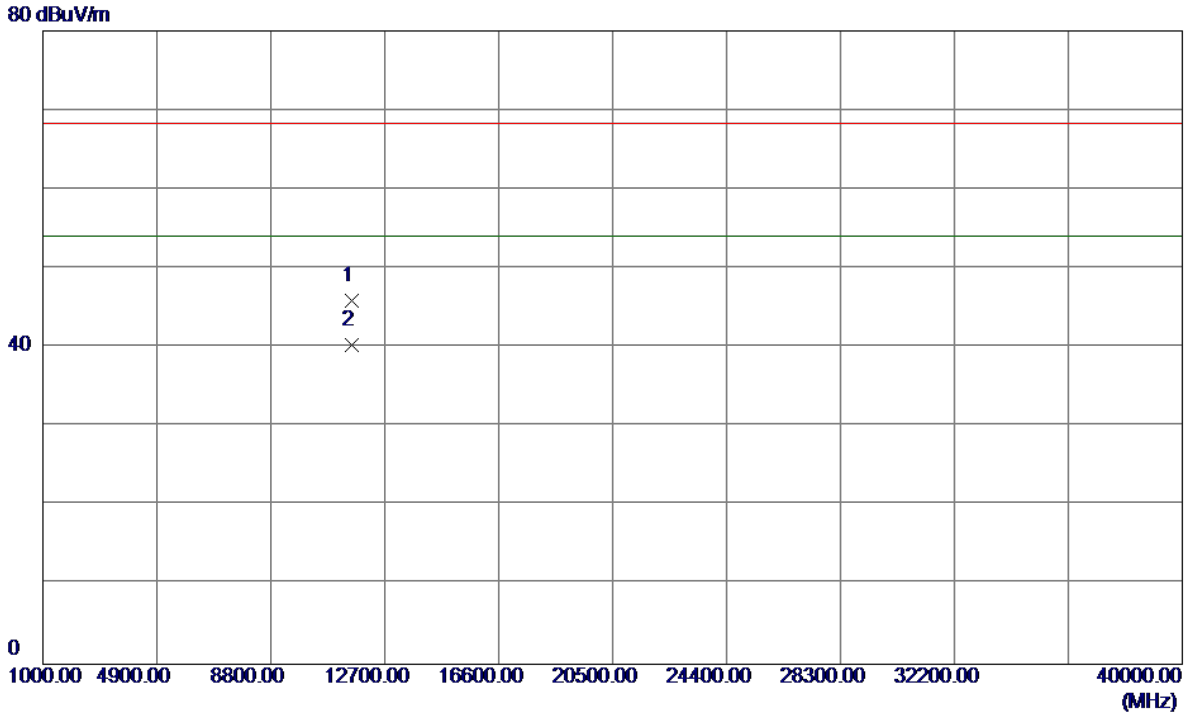
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5779.8000	42.21	42.78	84.99	122.20	-37.21	Peak	
2	5809.8000	33.18	42.80	75.98	122.20	-46.22	AVG	
3	5850.0000	7.59	42.84	50.43	122.20	-71.77	Peak	
4	5850.0000	2.27	42.84	45.11	122.20	-77.09	AVG	
5	5860.0000	12.26	42.85	55.11	109.40	-54.29	Peak	
6	5860.0000	2.21	42.85	45.06	109.40	-64.34	AVG	

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

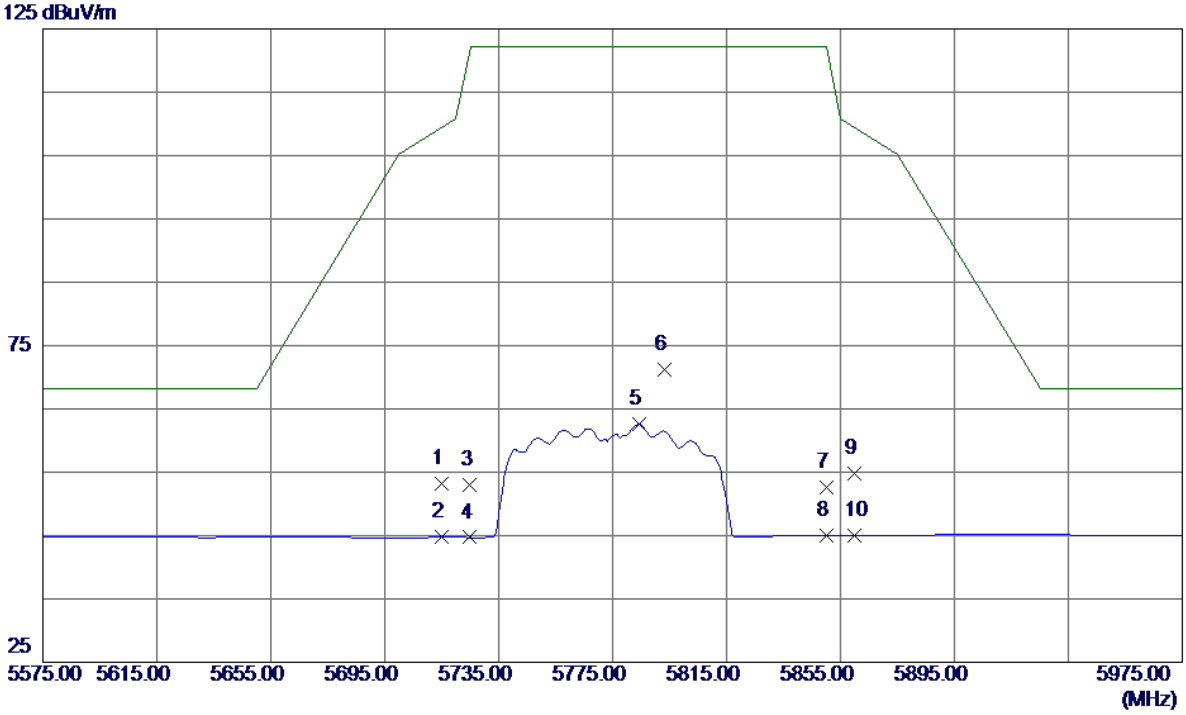
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.3500	30.37	15.48	45.85	68.30	-22.45	Peak	
2 *	11590.8450	24.81	15.48	40.29	54.00	-13.71	AVG	

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

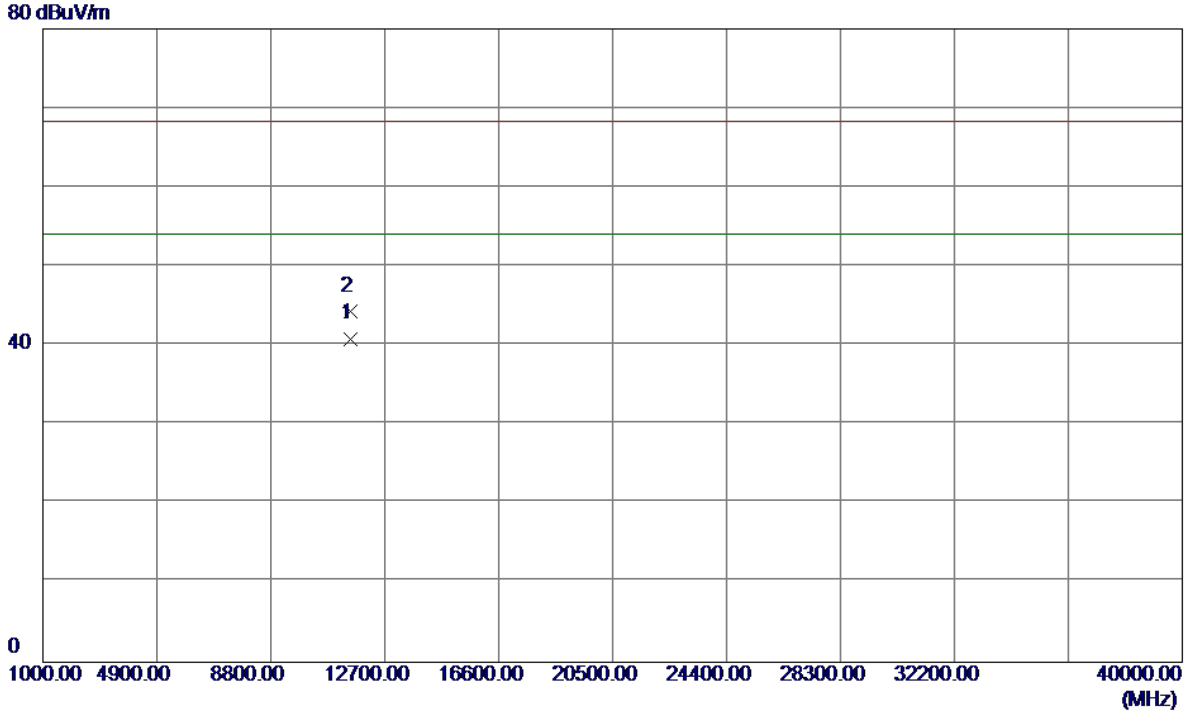
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	10.46	42.72	53.18	109.40	-56.22	AVG	
2	5715.0000	2.04	42.72	44.76	109.40	-64.64	AVG	
3	5725.0000	10.21	42.73	52.94	122.20	-69.26	Peak	
4	5725.0000	1.97	42.73	44.70	122.20	-77.50	AVG	
5	5784.2000	19.81	42.78	62.59	122.20	-59.61	AVG	
6 *	5793.4000	28.50	42.79	71.29	122.20	-50.91	Peak	
7	5850.0000	9.74	42.84	52.58	122.20	-69.62	Peak	
8	5850.0000	2.18	42.84	45.02	122.20	-77.18	AVG	
9	5860.0000	11.92	42.85	54.77	109.40	-54.63	Peak	
10	5860.0000	2.21	42.85	45.06	109.40	-64.34	AVG	

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

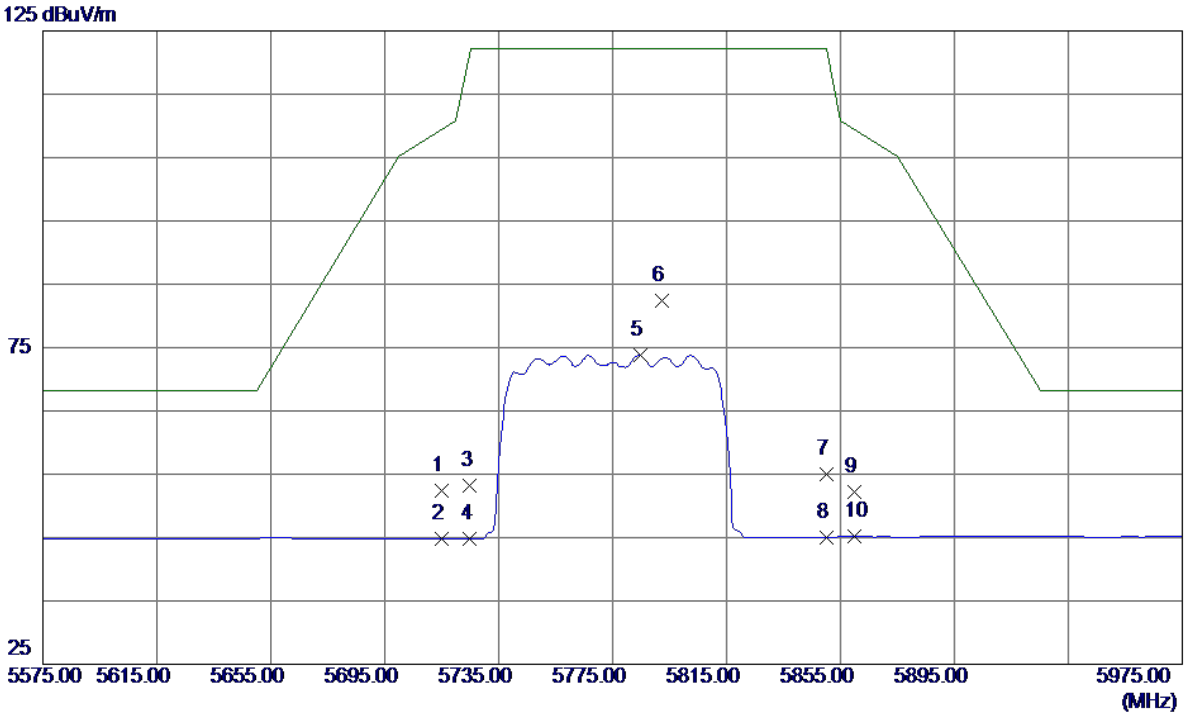
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11550.2400	25.40	15.48	40.88	54.00	-13.12	AVG	
2	11550.2550	28.85	15.48	44.33	68.30	-23.97	Peak	

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

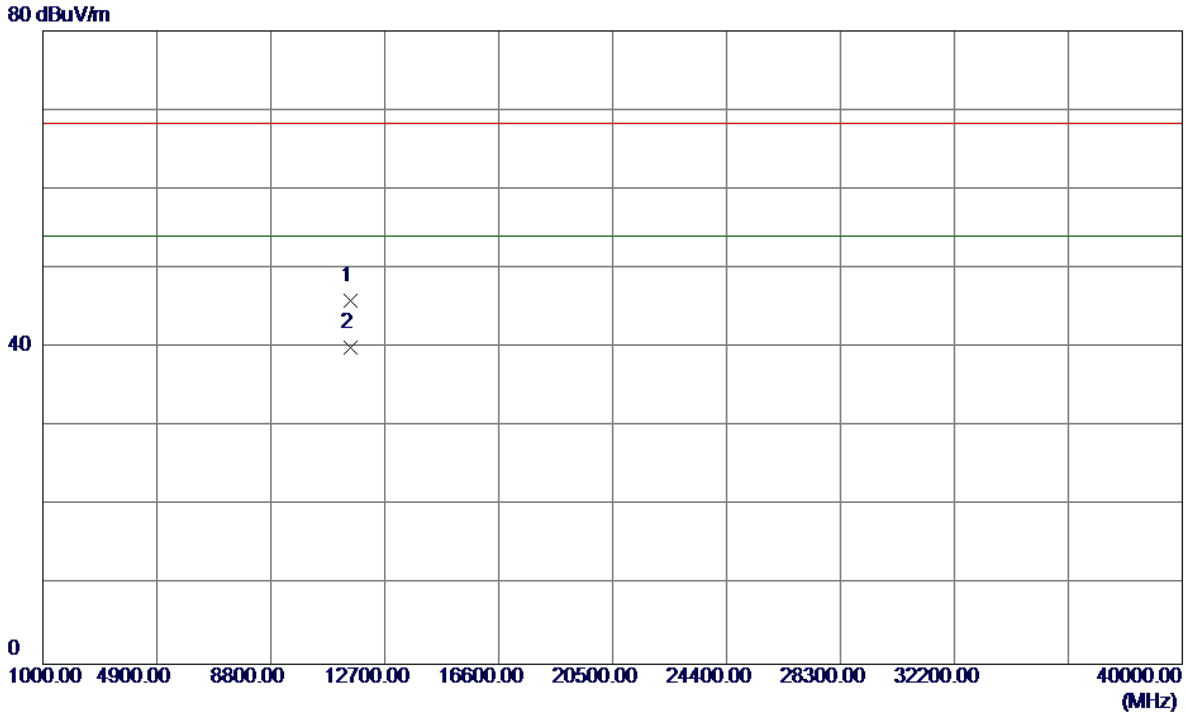
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	9.67	42.72	52.39	109.40	-57.01	Peak	
2	5715.0000	2.14	42.72	44.86	109.40	-64.54	AVG	
3	5725.0000	10.38	42.73	53.11	122.20	-69.09	Peak	
4	5725.0000	2.08	42.73	44.81	122.20	-77.39	AVG	
5	5784.6000	30.99	42.78	73.77	122.20	-48.43	AVG	
6 *	5792.2000	39.62	42.79	82.41	122.20	-39.79	Peak	
7	5850.0000	12.12	42.84	54.96	122.20	-67.24	Peak	
8	5850.0000	2.24	42.84	45.08	122.20	-77.12	AVG	
9	5860.0000	9.31	42.85	52.16	109.40	-57.24	Peak	
10	5860.0000	2.29	42.85	45.14	109.40	-64.26	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	11550.2450	30.37	15.48	45.85	68.30	-22.45	Peak	
2 *	11550.2450	24.57	15.48	40.05	54.00	-13.95	AVG	