FCCRadio Test Report

FCC ID:I38VDSL5038GRV

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

Project No.	:	1502C148
Equipment	:	VDSL2 WIRELESS-AC 4-PORT GATEWAY WITH USB 2.0 HOST
Model Name	:	VDSL5038GRV(AC)
Applicant	:	AZTECH TECHNOLOGIES PTE LTD.
Address	:	31, Ubi Road 1, #09-01, Singapore 408694

Date of Receipt	:	Feb. 25, 2015
Date of Test	:	Feb. 25, 2015~ Apr. 07, 2015
Issued Date	:	Apr. 08, 2015
Tested by	:	BTL Inc.

Testing Engineer : David Mao
(David Mao)

Technical Manager : Leo Hung
(Leo Hung)

Authorized Signatory : Steven Lu
(Steven Lu)

BTL INC.

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Declaration

BTLrepresents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**., or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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Limitation

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

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1502C148	Original Issue.	Apr. 08, 2015

1. CERTIFICATION

Equipment	:	VDSL2 WIRELESS-AC 4-PORT GATEWAY WITH USB 2.0 HOST
Brand Name	:	Aztech
Model Name	:	VDSL5038GRV(AC)
Applicant	:	AZTECH TECHNOLOGIES PTE LTD.
Manufacturer	:	Aztech Technologies Pte Ltd.
Address	:	31, Ubi Road 1, #09-01, Singapore 408694
Factory	:	Aztech Communication Device (DG) LTD
Address	:	JiuJiangshui, Chang Ping town, Dongguan, Guang Dong
Date of Test	:	Feb. 25, 2015~ Apr. 07, 2015
Test Sample	:	ENGINEERING SAMPLE
Standard(s)	:	FCC Part15, Subpart E(15.407) / ANSI C63.4: 2009 FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

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-2-1502C148) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E			
Standard(s) Section FCC	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) FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

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

The reported uncertainty of measurement **y** ±**U**, where expended uncertainty **U** is based on astandard 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)	Note
DG-C02	CISPR	150 KHz~30MHz	1.94	

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)	Note
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	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	VDSL2 WIRELESS-AC 4-PORT GATEWAY WITH USB 2.0 HOST	
Brand Name	Aztech	
Model Name	VDSL5038GRV(AC)	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	900Mbps
	Output Power (Max.)for UNII-1	802.11a:16.43dBm 802.11n (20M): 16.95dBm 802.11n (40M): 17.78dBm 802.11ac (20M): 19.20dBm 802.11ac (40M): 19.69dBm 802.11ac (80M): 15.60dBm
	Output Power (Max.)for UNII-3	802.11a:16.47dBm 802.11n (20M): 16.96dBm 802.11n (40M): 17.58dBm 802.11ac (20M): 19.12dBm 802.11ac (40M): 18.85dBm 802.11ac (80M): 14.24dBm
Power Source	DC Voltage supplied from AC/DC adapter. Brand/Model:AMIGO/AMS3-1202000FU	
Power Rating	I/P: AC 100-240V, 50/60Hz,0.8A O/P:12V/2.0A	

Note:

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

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

802.11a 802.11n 20MHz 802.11ac 20MHz		802.11n 40MHz 802.11ac 40MHz		802.11ac 80MHz	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Chann l	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.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Walsin	RFPCA5010-01	Internal	N/A	4.00	TX/RX
2	Walsin	RFPCA5010-01	Internal	N/A	4.00	TX/RX

Note:

(1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then,**Direction gain = G_{ANT}**, that is Directional gain=4.

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 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)
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

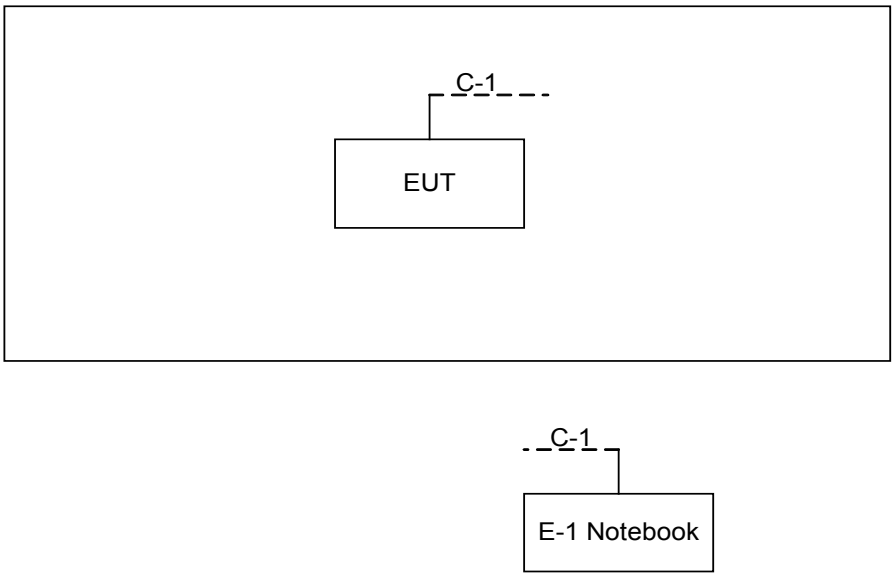
Test Software Version	N/A		
Frequency (MHz)	5180	5200	5240
A Mode	27	28	28
Frequency (MHz)	5180	5200	5240
N20 Mode	2A	2A	2A
Frequency (MHz)	5190	5230	
N40 Mode	9	15	

Test Software Version	N/A		
Frequency (MHz)	5745	5785	5825
A Mode	12	14	18
Frequency (MHz)	5745	5785	5825
N20 Mode	9	0C	0D
Frequency (MHz)	5755	5795	
N40 Mode	5	0A	

Test Software Version	N/A		
Frequency (MHz)	5180	5200	5240
AC20 Mode	22	27	25
Frequency (MHz)	5190	5230	
AC40 Mode	13	1F	
Frequency (MHz)	5210		
AC80 Mode	0D		

Test Software Version	N/A		
Frequency (MHz)	5745	5785	5825
AC20 Mode	17	1A	16
Frequency (MHz)	5755	5795	
AC40 Mode	0A	11	
Frequency (MHz)	5775		
AC80 Mode	5		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5DESCRIPTION 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/IC	Series No.	Note
E-1	Notebook	DELL	INSPIRON 1420	DOC	N/A	

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

4.EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

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

(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value - Limit Value

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 equipmentspowered 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 groundplane 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.

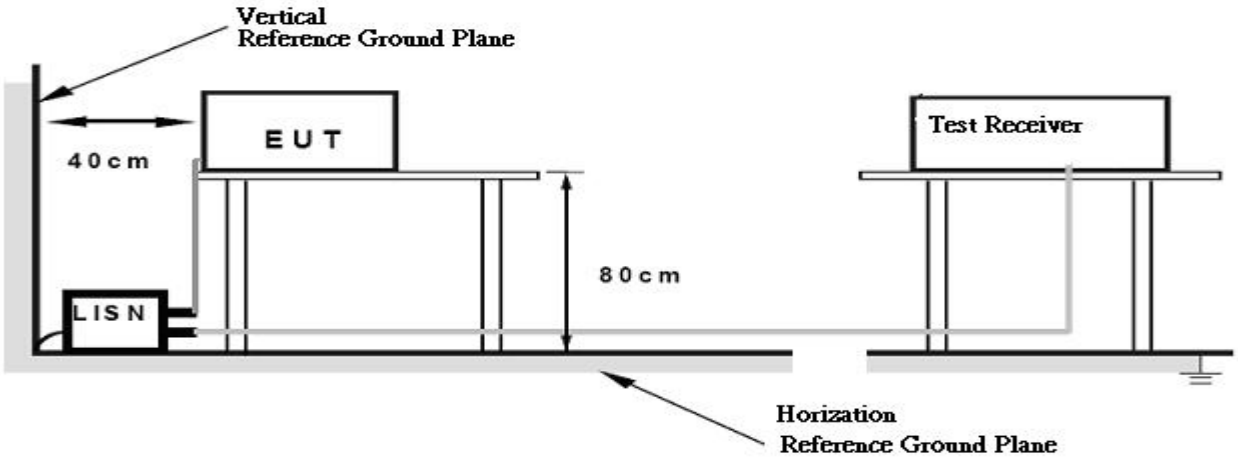
d. LISN at least 80 cm from nearest part of EUT chassis.

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

4.1.3DEVIATIONFROMTESTSTANDARD

No deviation

4.1.4 TESTSETUP



4.1.5EUT 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.

4.1.6EUT TEST CONDITIONS

Temperature: 26°CRelative Humidity: 65%Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

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

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

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

Note:

(1) The limit for radiated test was performed according to FCC PART 15C.

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

(3) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

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 (beyond 10MHz of the bandedge)	68.3
	-17 (within 10 MHz of band edge)	78.3

Note: 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)

4.2.2 TESTPROCEDURE

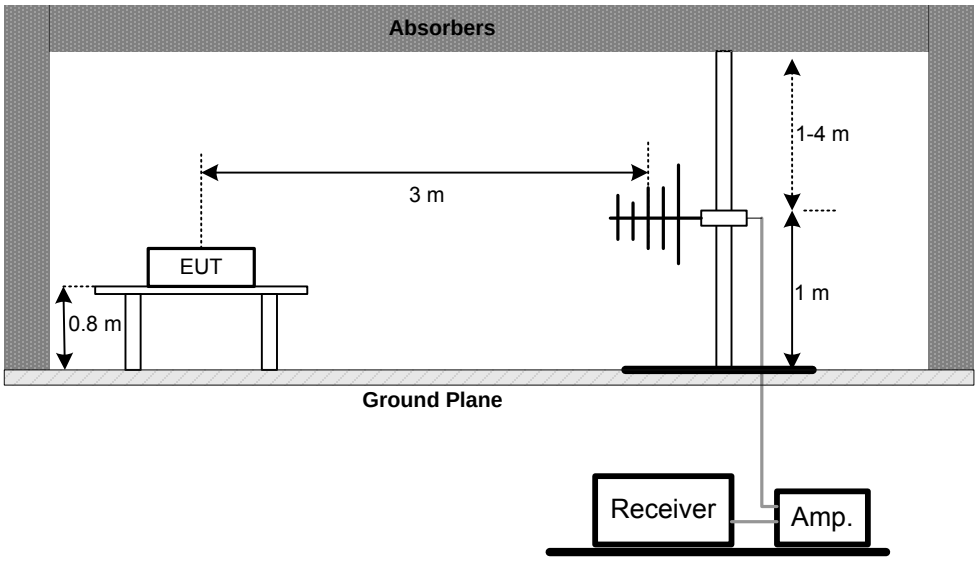
a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m; 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. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3DEVIATIONFROMTESTSTANDARD

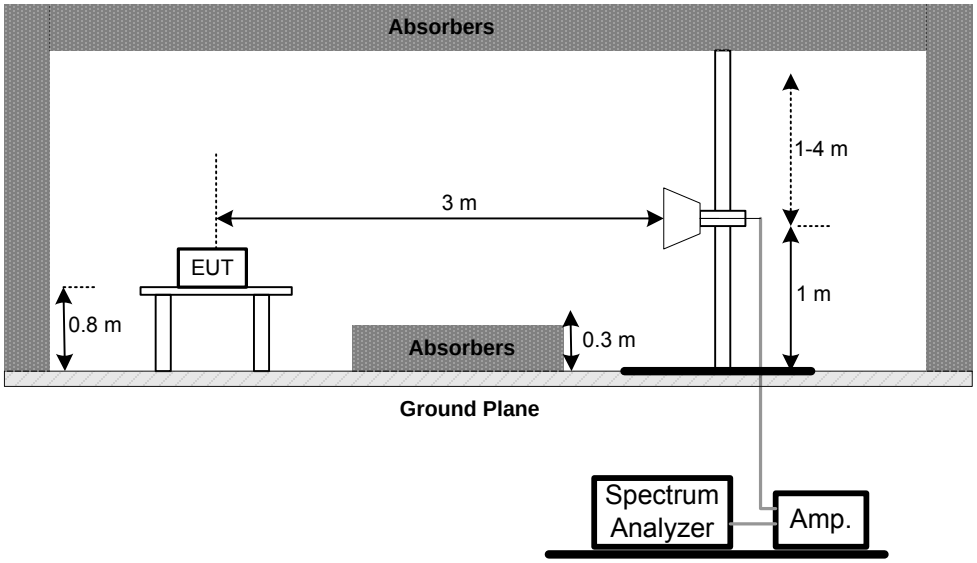
No deviation

4.2.4 TESTSETUP

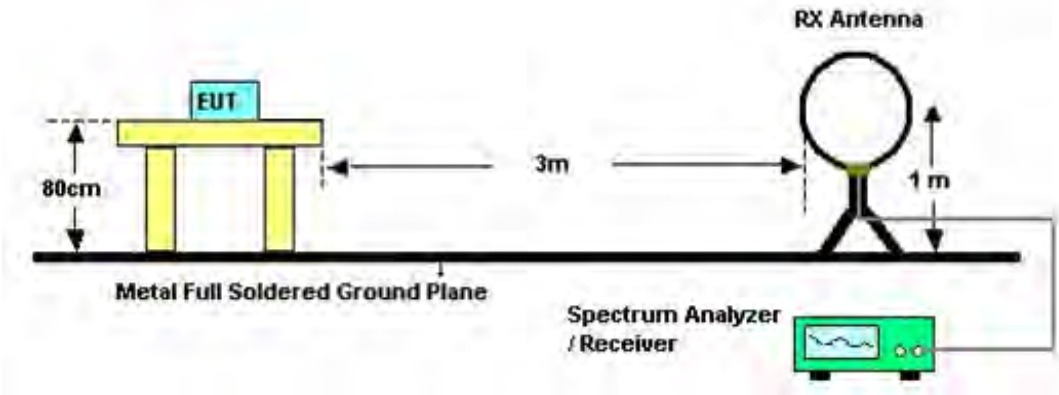
(A) Radiated Emission Test Set-Up Frequency Below 1GHz



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



(C) Radiated emissions below 30MHz



4.2.5EUT OPERATING CONDITIONS

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

4.2.6EUT TEST CONDITIONS

Temperature: 28°CRelative Humidity: 60% Test Voltage: AC 120V/60Hz

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS(BETWEEN30 TO 1000 MHz)

Please refer to the Attachment C.

Remark:

(1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Modewith Detector BW=120kHz；SPA setting in RBW=120kHz, VBW =120kHz, Swp. Time = 0.3 sec./MHz。
(2) 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。
(3) Measuring frequency range from 30MHz to 1000MHz。
(4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table。

4.2.9 TEST RESULTS (ABOVE1000 MHz)

Please refer to the Attachment D.

Remark:

(1) Spectrum Setting: 30MHz – 1000MHz , RBW= 100kHz, VBW=100kHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.
(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。
(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
(6) EUT Orthogonal Axes:
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand
(7) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.
(8) 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

5.1APPLIED 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

5.1.1TEST PROCEDURE

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

b.

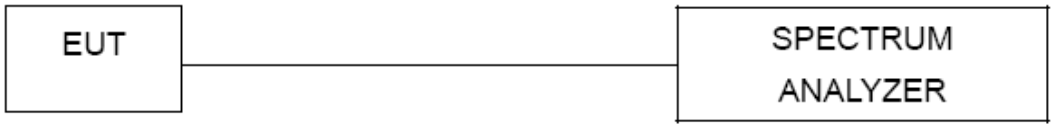
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz
VBW	1000 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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

5.1.2DEVIATION FROM STANDARD

No deviation.

5.1.3TEST SETUP



5.1.4EUT 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.

5.1.5EUT TEST CONDITIONS

Temperature: 28°CRelative Humidity: 60% Test Voltage: AC 120V/60Hz

5.1.6TEST RESULTS

Please refer to the Attachment E.

6.MAXIMUM CONDUCTED OUTPUT POWER

6.1APPLIED 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)			

6.1.1TEST PROCEDURE

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

b.

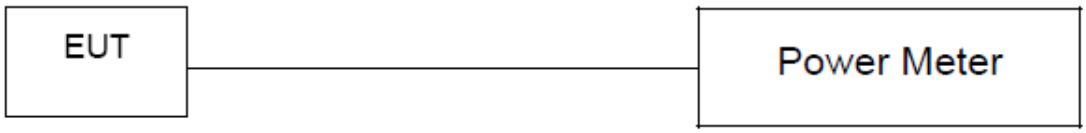
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) ofthe signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

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

6.1.2DEVIATION FROM STANDARD

No deviation.

6.1.3TEST SETUP



6.1.4EUT 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.

6.1.5EUT TEST CONDITIONS

Temperature: 28°CRelative Humidity: 60% Test Voltage: AC 120V/60Hz

6.1.6TEST RESULTS

Please refer to the Attachment F.

7.ANTENNA CONDUCTED SPURIOUS EMISSION

7.1APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27dBm/MHz	5150-5250	PASS
	Below -17dBm/MHz within 10MHz of band edge, below -27dBm/MHz beyond 10MHz of the band edge	5725-5850	PASS

7.1.1TEST PROCEDURE

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

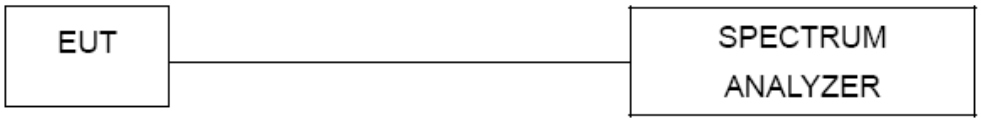
b.

Spectrum Parameter	Setting
Attenuation	Auto
RBW	1000kHz
VBW	1000kHz
Trace	Max Hold
Sweep Time	Auto

7.1.2DEVIATION FROM STANDARD

No deviation.

7.1.3TEST SETUP



7.1.4EUT 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.

7.1.5EUT TEST CONDITIONS

Temperature: 28°CRelative Humidity: 60% Test Voltage: AC 120V/60Hz

7.1.6TEST RESULTS

Please refer to the Attachment G.

8.POWER SPECTRAL DENSITY TEST

8.1APPLIED 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) ofthe signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

Note:

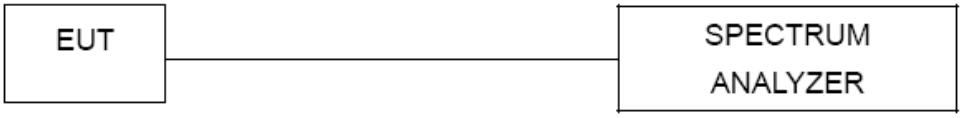
1.For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.

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.

8.1.1DEVIATION FROM STANDARD

No deviation.

8.1.2TEST SETUP



8.1.3EUT 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.

8.1.4EUT TEST CONDITIONS

Temperature: 28°CRelative Humidity: 60% Test Voltage: AC 120V/60Hz

8.1.5TEST RESULTS

Please refer to the Attachment H.

9. FREQUENCY STABILITY MEASUREMENT

9.1APPLIED PROCEDURES / LIMIT

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

9.1.1TEST 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 emissionsbandwidth
RBW	10 kHz
VBW	10kHz
Sweep Time	Auto

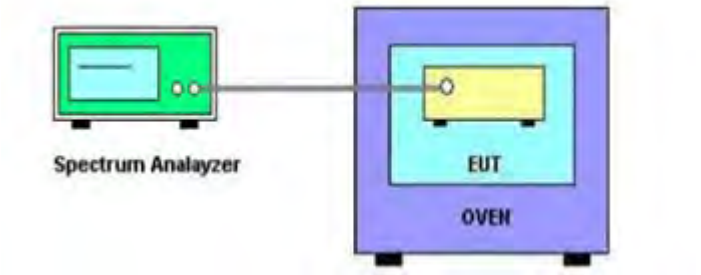
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is0°C~40°C.

9.1.2DEVIATION FROM STANDARD

No deviation.

9.1.3TEST SETUP



9.1.4EUT 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.

EUT TEST CONDITIONS

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

9.1.5TEST RESULTS

Please refer to the Attachment I.

10. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Mar. 28, 2016
2	LISN	R&S	ENV216	100087	Mar. 28, 2016
3	Test Cable	N/A	C_17	N/A	Mar. 13, 2016
4	EMI TEST RECEIVER	R&S	ESCS30	826547/022	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 28, 2016
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. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Mar. 28, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 01, 2015
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Mar. 28, 2016
8	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
9	Test Cable	HUBER+SUHNER	C-48	N/A	Apr. 30, 2015
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Feb. 21, 2016
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 21, 2016
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 28, 2016
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Spectrum BandwidthMeasurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Mar. 28, 2016
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Mar. 28, 2016

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015
2	Precision Oven Tester	HOLINK	H-T-1F-D	BA03101701	May. 24, 2015

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

11.EUT TEST PHOTOS

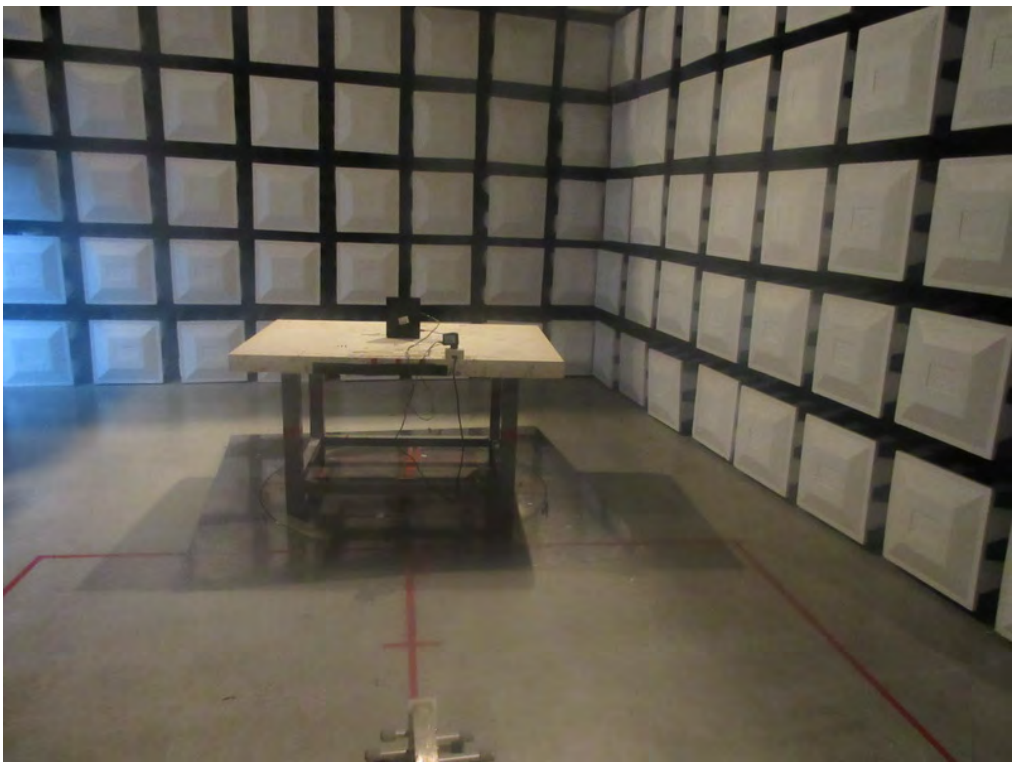
Conducted Measurement Photos

Radiated Measurement Photos

9kHz to 30MHz

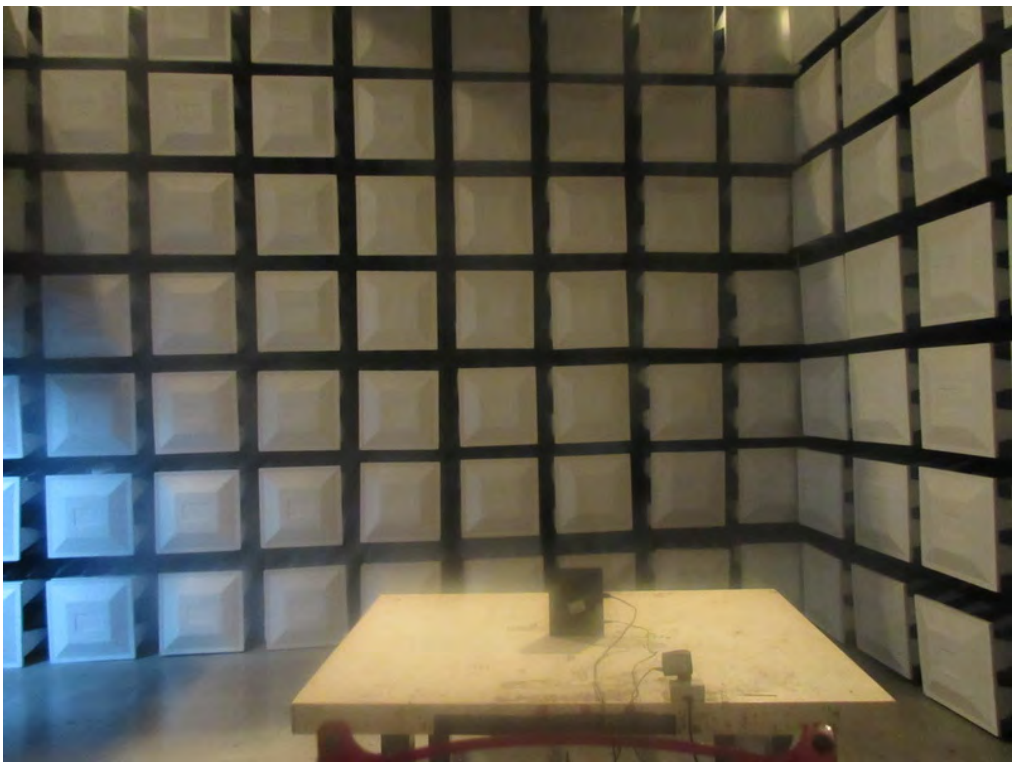
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

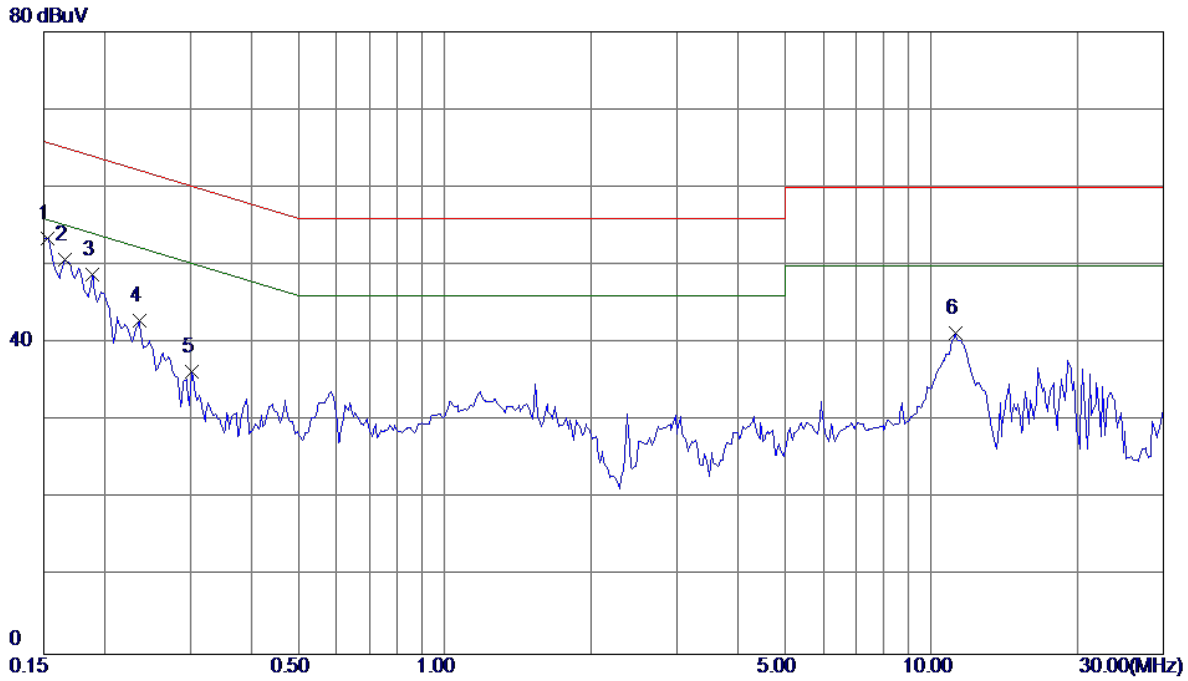
Above 1000MHz



ATTACHMENTA -CONDUCTED EMISSION

Test Mode:	TX MODE

Line

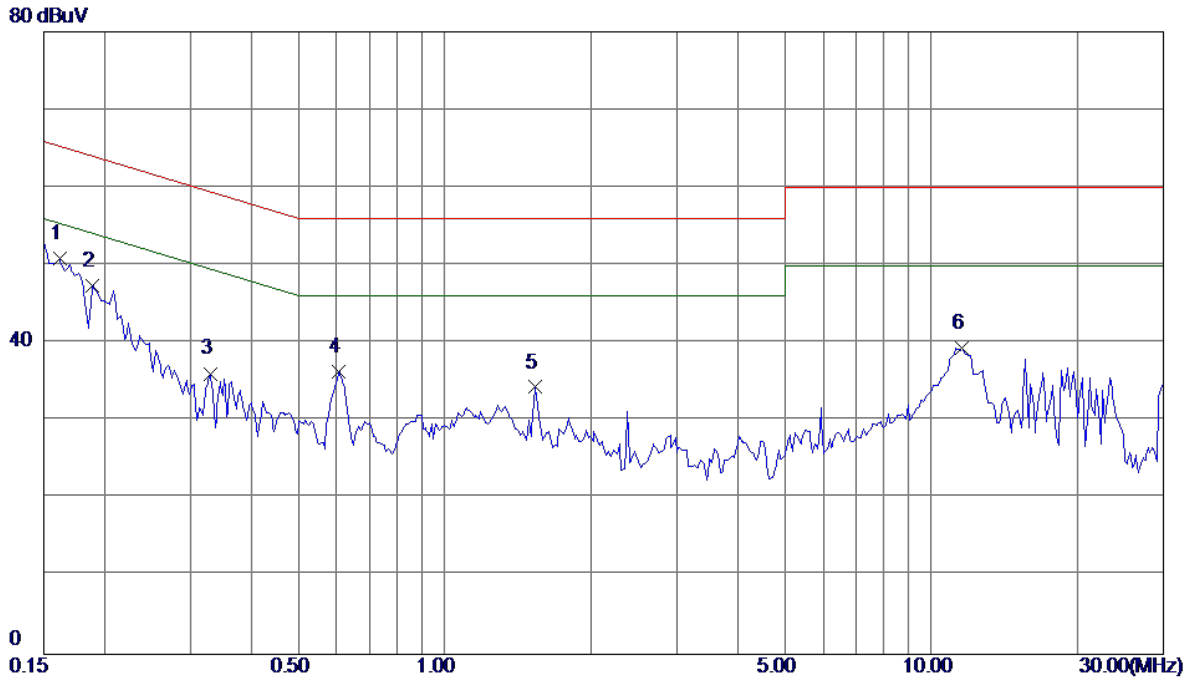


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1524	44.01	9.48	53.49	65.87	-12.38	Peak	
2	0.1655	41.22	9.49	50.71	65.18	-14.47	Peak	
3	0.1891	39.27	9.50	48.77	64.08	-15.31	Peak	
4	0.2359	33.41	9.52	42.93	62.24	-19.31	Peak	
5	0.3023	26.70	9.55	36.25	60.18	-23.93	Peak	
6	11.2227	31.43	9.81	41.24	60.00	-18.76	Peak	

Note：The test result has included the cable loss.

Test Mode:	TX MODE

Neutral



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1617	41.32	9.59	50.91	65.38	-14.47	Peak	
2	0.1891	37.86	9.57	47.43	64.08	-16.65	Peak	
3	0.3297	26.51	9.57	36.08	59.46	-23.38	Peak	
4	0.6070	26.75	9.58	36.33	56.00	-19.67	Peak	
5	1.5367	24.70	9.62	34.32	56.00	-21.68	Peak	
6	11.5781	29.51	9.84	39.35	60.00	-20.65	Peak	

Note：The test result has included the cable loss.

ATTACHMENTB -RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode:	TX MODE

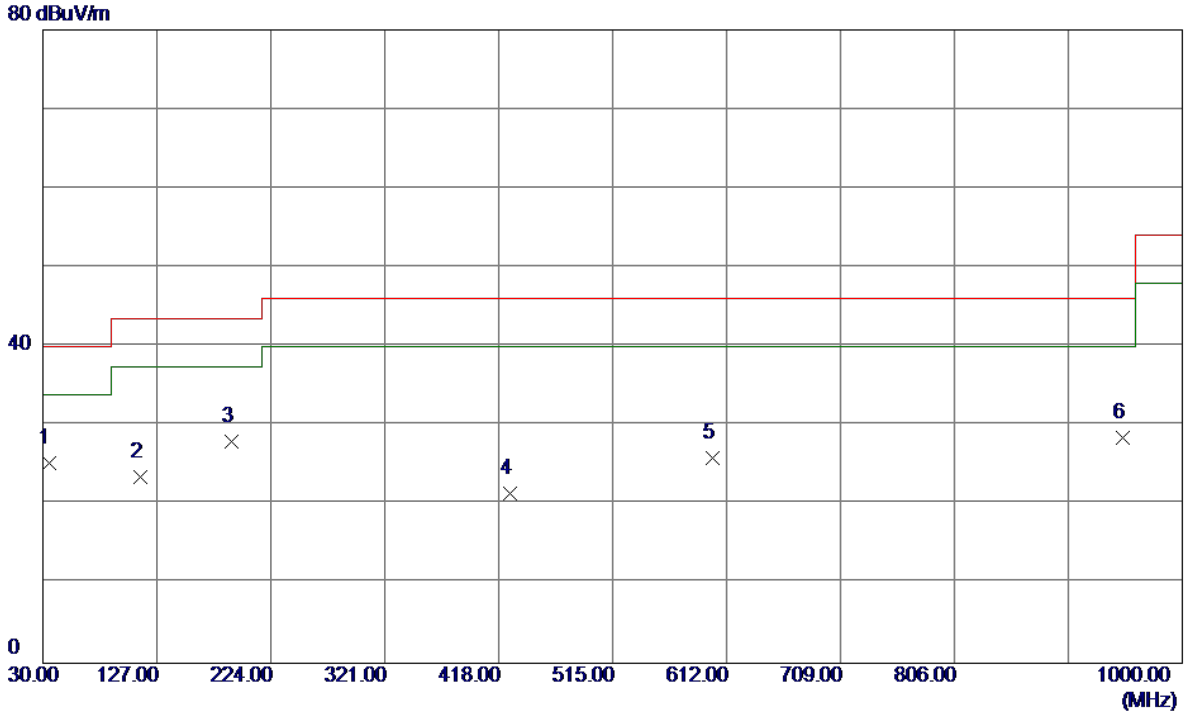
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.01176	0°	10.06	24.8219	34.8819	106.1961	-71.3142	AVG
0.01176	0°	13.52	24.8219	38.3419	126.1961	-87.8542	PEAK
0.0283	0°	7.59	23.7743	31.3643	98.5685	-67.2042	AVG
0.0283	0°	9.24	23.7743	33.0143	118.5685	-85.5542	PEAK
0.0406	0°	5.36	22.9953	28.3553	95.4337	-67.0784	AVG
0.0406	0°	6.52	22.9953	29.5153	115.4337	-85.9184	PEAK
0.0517	0°	1.72	22.3660	24.0860	93.3344	-69.2484	AVG
0.0517	0°	2.58	22.3660	24.9460	113.3344	-88.3884	PEAK
0.6019	0°	18.23	20.1261	38.3561	72.0137	-33.6577	QP
2.0175	0°	24.19	19.4895	43.6795	69.5400	-25.8605	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0089	90°	7.26	24.3000	31.5600	128.6164	-97.0564	AVG
0.0089	90°	10.13	24.3000	34.4300	148.6164	-114.1864	PEAK
0.0185	90°	5.72	24.3000	30.0200	122.2608	-92.2408	AVG
0.0185	90°	6.18	24.3000	30.4800	142.2608	-111.7808	PEAK
0.0268	90°	2.05	23.8693	25.9193	119.0415	-93.1222	AVG
0.0268	90°	3.82	23.8693	27.6893	139.0415	-111.3522	PEAK
0.0431	90°	0.13	22.8370	22.9670	114.9147	-91.9477	AVG
0.0431	90°	1.52	22.8370	24.3570	134.9147	-110.5577	PEAK
0.4752	90°	20.07	19.8595	39.9295	94.0667	-54.1372	QP
1.9317	90°	25.36	19.5068	44.8668	69.5400	-24.6732	QP

ATTACHMENTC -RADIATED EMISSION (30MHZ TO 1000MHZ)

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

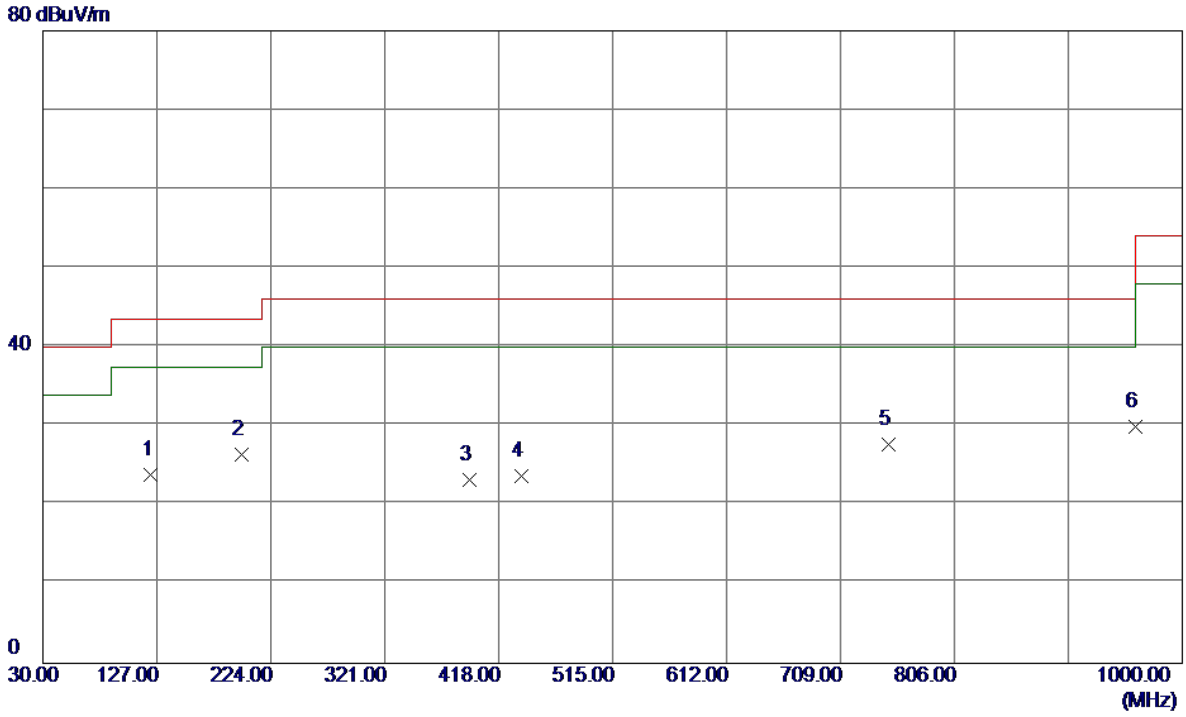
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	34.8500	39.99	-14.76	25.23	40.00	-14.77	Peak	
2	113.4200	38.45	-14.91	23.54	43.50	-19.96	Peak	
3	190.0500	42.36	-14.35	28.01	43.50	-15.49	Peak	
4	427.7000	30.41	-9.03	21.38	46.00	-24.62	Peak	
5	600.3600	33.75	-7.89	25.86	46.00	-20.14	Peak	
6	949.5600	28.75	-0.22	28.53	46.00	-17.47	Peak	

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

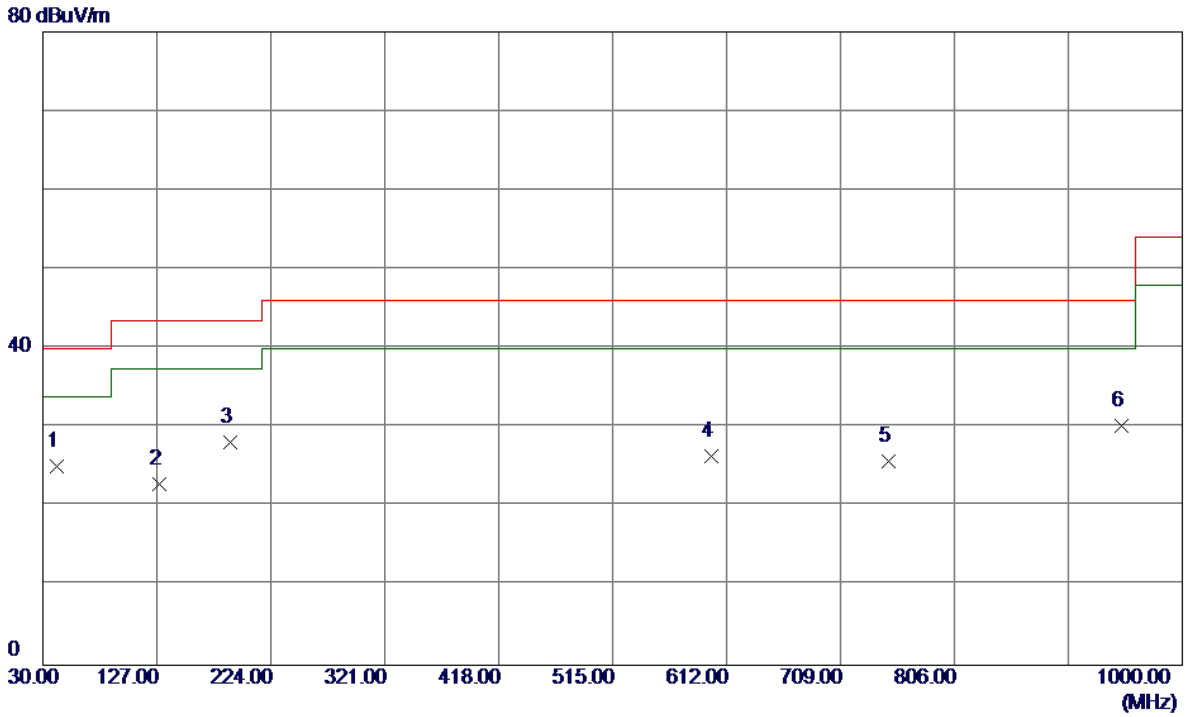
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	122.1500	37.75	-13.96	23.79	43.50	-19.71	Peak	
2	198.7800	41.31	-14.91	26.40	43.50	-17.10	Peak	
3	392.7800	33.13	-9.86	23.27	46.00	-22.73	Peak	
4	437.4000	32.48	-8.85	23.63	46.00	-22.37	Peak	
5	749.7400	32.38	-4.63	27.75	46.00	-18.25	Peak	
6	960.2300	30.18	-0.25	29.93	54.00	-24.07	Peak	

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

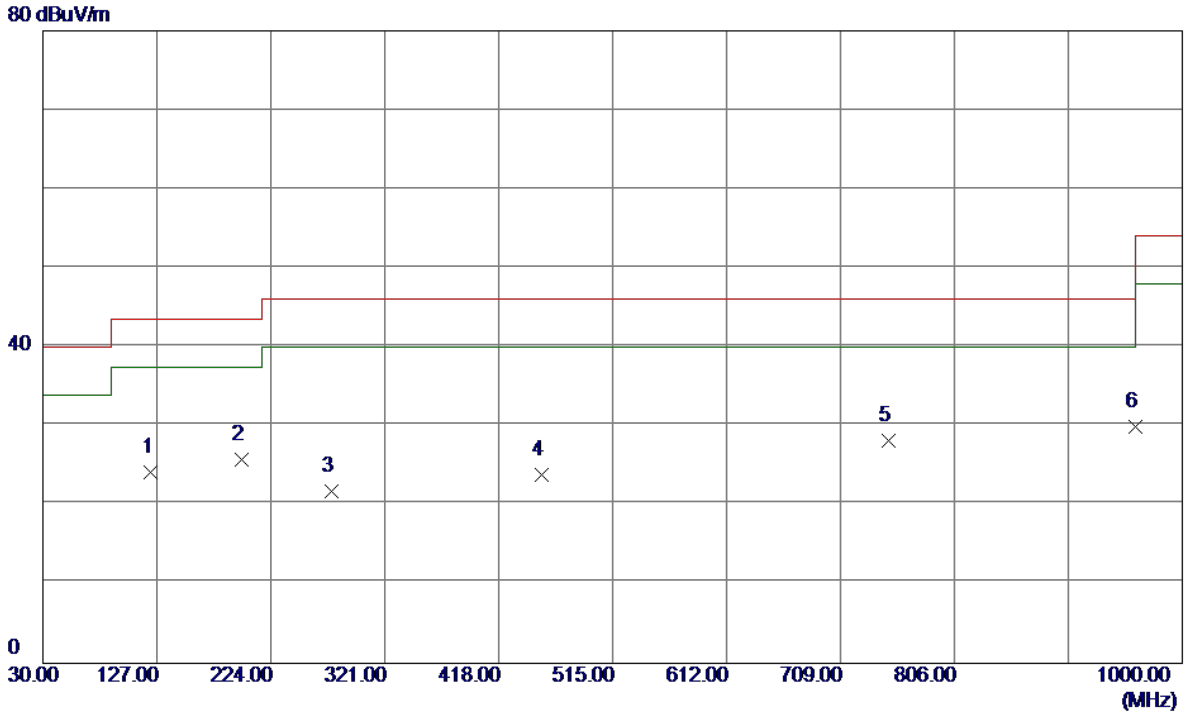
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	41.6400	39.19	-14.02	25.17	40.00	-14.83	Peak	
2	128.9400	36.00	-13.18	22.82	43.50	-20.68	Peak	
3	189.0800	42.35	-14.23	28.12	43.50	-15.38	Peak	
4	599.3900	34.27	-7.91	26.36	46.00	-19.64	Peak	
5	749.7400	30.43	-4.63	25.80	46.00	-20.20	Peak	
6	948.5900	30.54	-0.25	30.29	46.00	-15.71	Peak	

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

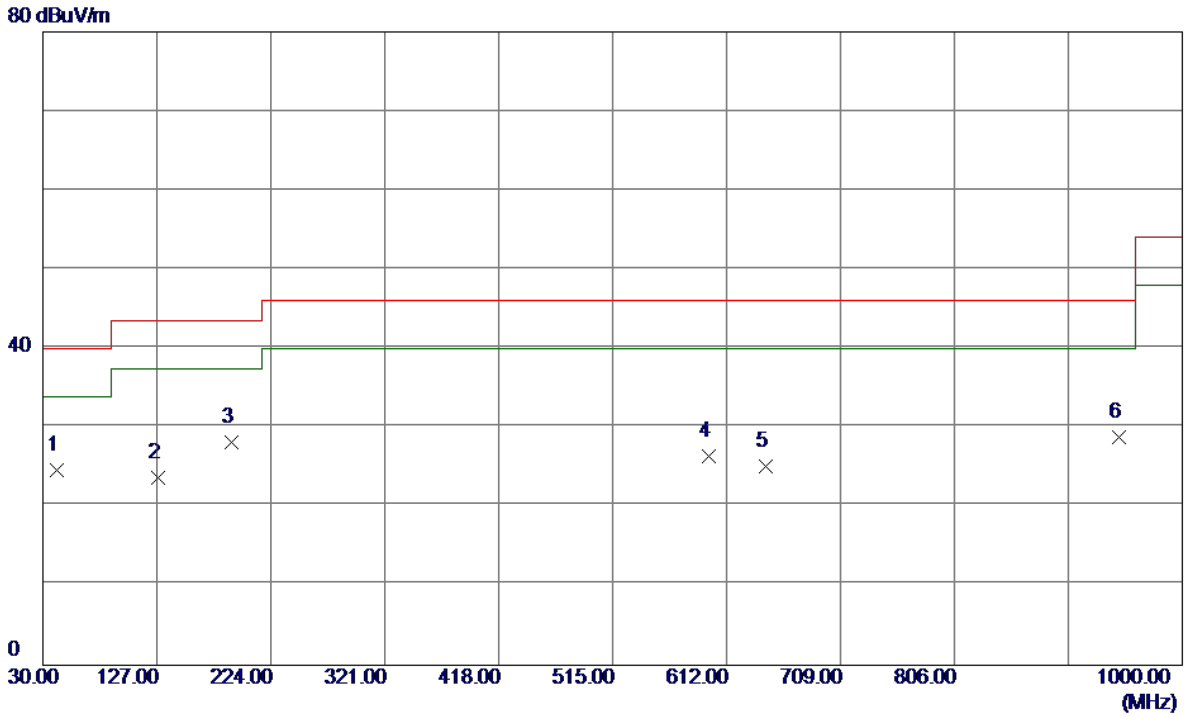
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	122.1500	38.10	-13.96	24.14	43.50	-19.36	Peak	
2	198.7800	40.67	-14.91	25.76	43.50	-17.74	Peak	
3	275.4100	34.53	-12.72	21.81	46.00	-24.19	Peak	
4	454.8600	32.67	-8.80	23.87	46.00	-22.13	Peak	
5	749.7400	32.72	-4.63	28.09	46.00	-17.91	Peak	
6	960.2300	30.17	-0.25	29.92	54.00	-24.08	Peak	

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

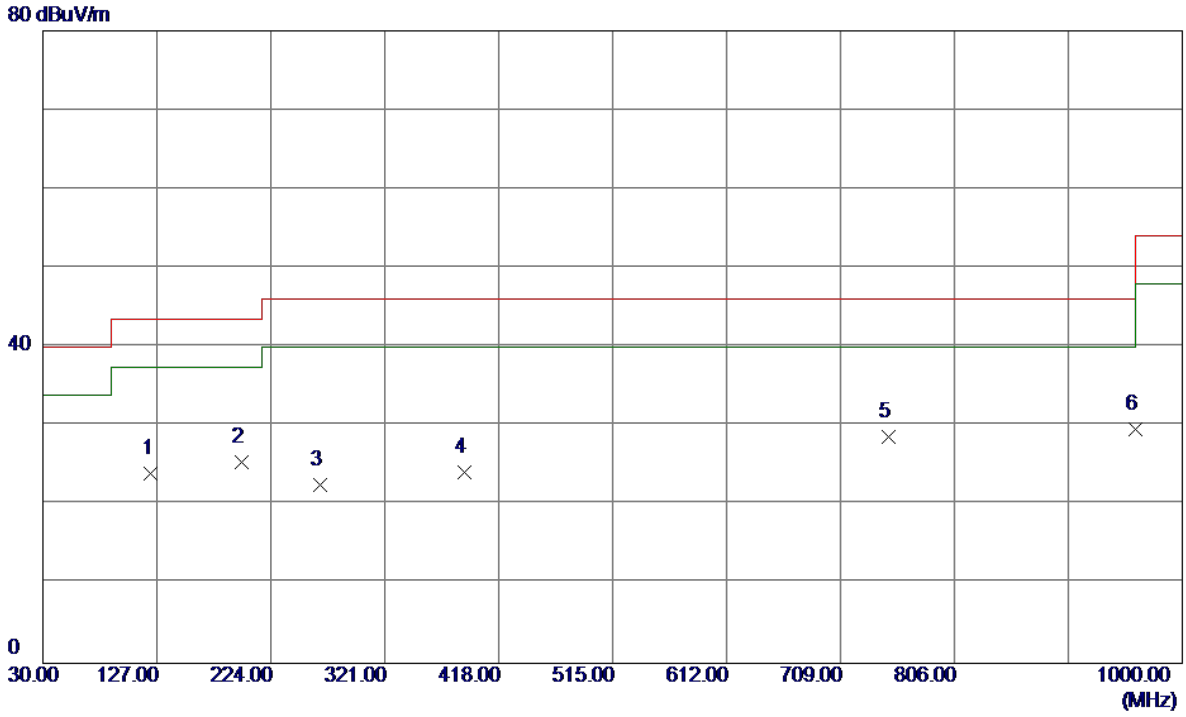
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	41.6400	38.60	-14.02	24.58	40.00	-15.42	Peak	
2	127.9700	36.90	-13.29	23.61	43.50	-19.89	Peak	
3	190.0500	42.52	-14.35	28.17	43.50	-15.33	Peak	
4	596.4800	34.27	-7.91	26.36	46.00	-19.64	Peak	
5	644.9800	30.61	-5.43	25.18	46.00	-20.82	Peak	
6	945.6800	29.14	-0.32	28.82	46.00	-17.18	Peak	

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

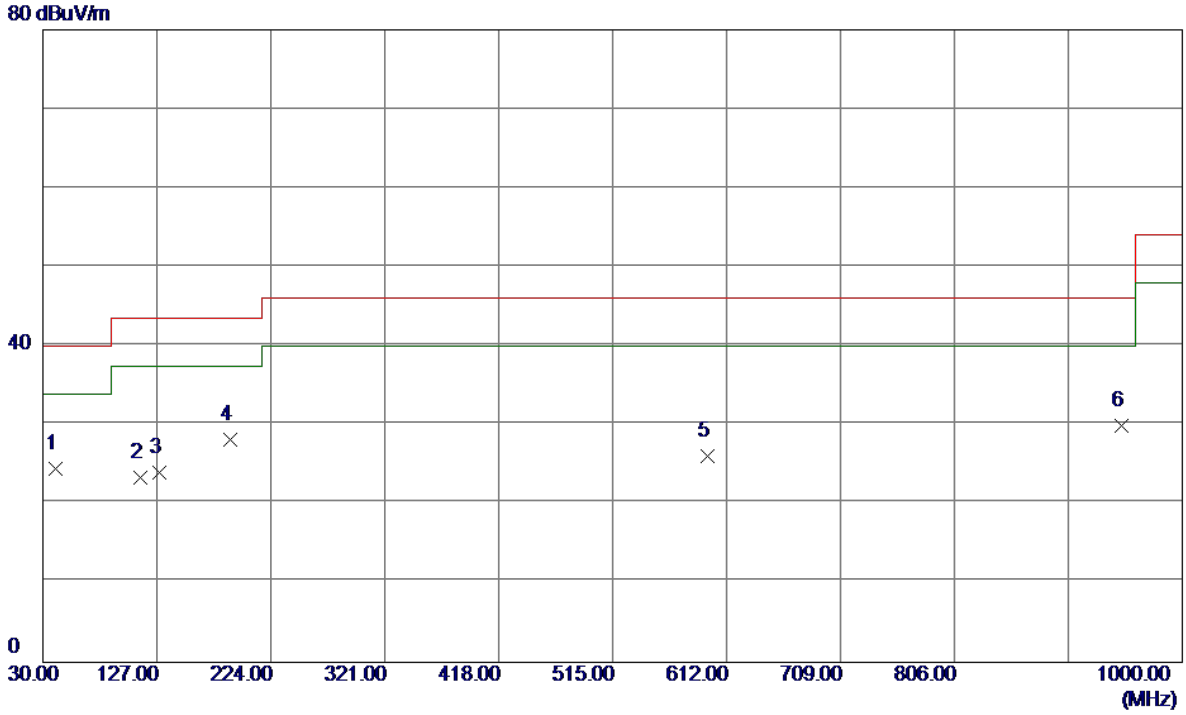
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	122.1500	37.95	-13.96	23.99	43.50	-19.51	Peak	
2	198.7800	40.30	-14.91	25.39	43.50	-18.11	Peak	
3	265.7100	36.07	-13.46	22.61	46.00	-23.39	Peak	
4	388.9000	34.18	-10.03	24.15	46.00	-21.85	Peak	
5	749.7400	33.24	-4.63	28.61	46.00	-17.39	Peak	
6	960.2300	29.88	-0.25	29.63	54.00	-24.37	Peak	

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

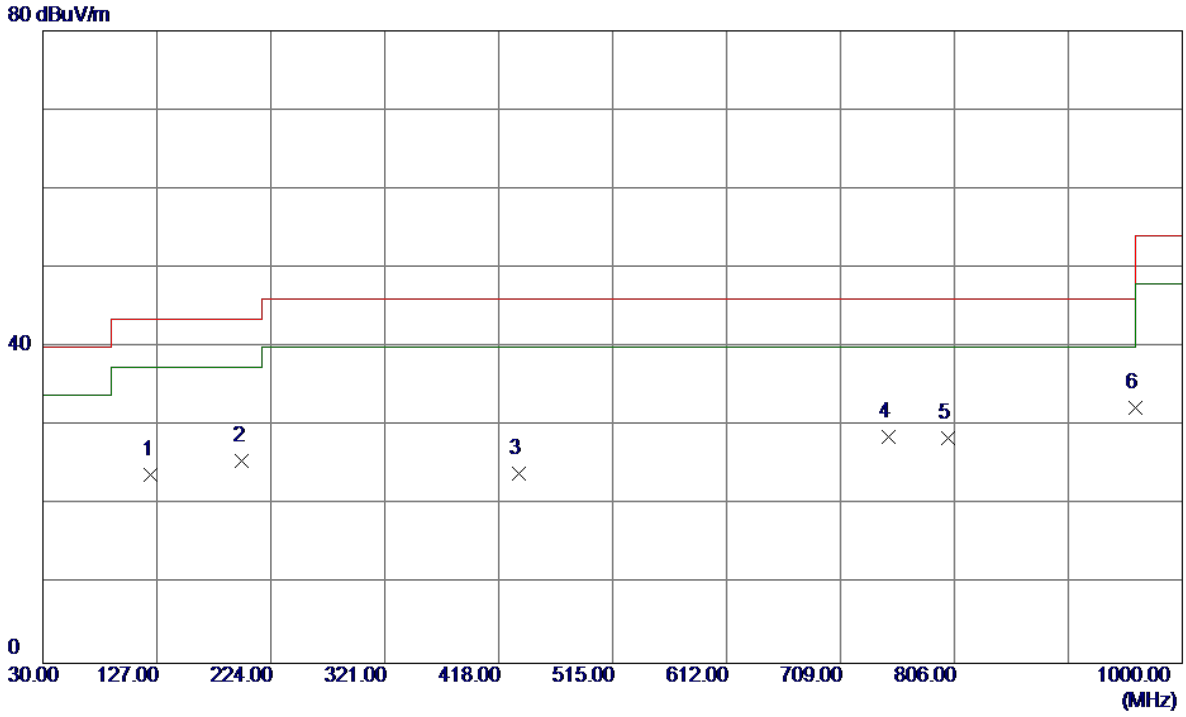
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	40.6699	38.71	-14.16	24.55	40.00	-15.45	Peak	
2	113.4200	38.23	-14.91	23.32	43.50	-20.18	Peak	
3	128.9400	37.19	-13.18	24.01	43.50	-19.49	Peak	
4	189.0800	42.43	-14.23	28.20	43.50	-15.30	Peak	
5	595.5100	33.94	-7.91	26.03	46.00	-19.97	Peak	
6	948.5900	30.23	-0.25	29.98	46.00	-16.02	Peak	

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

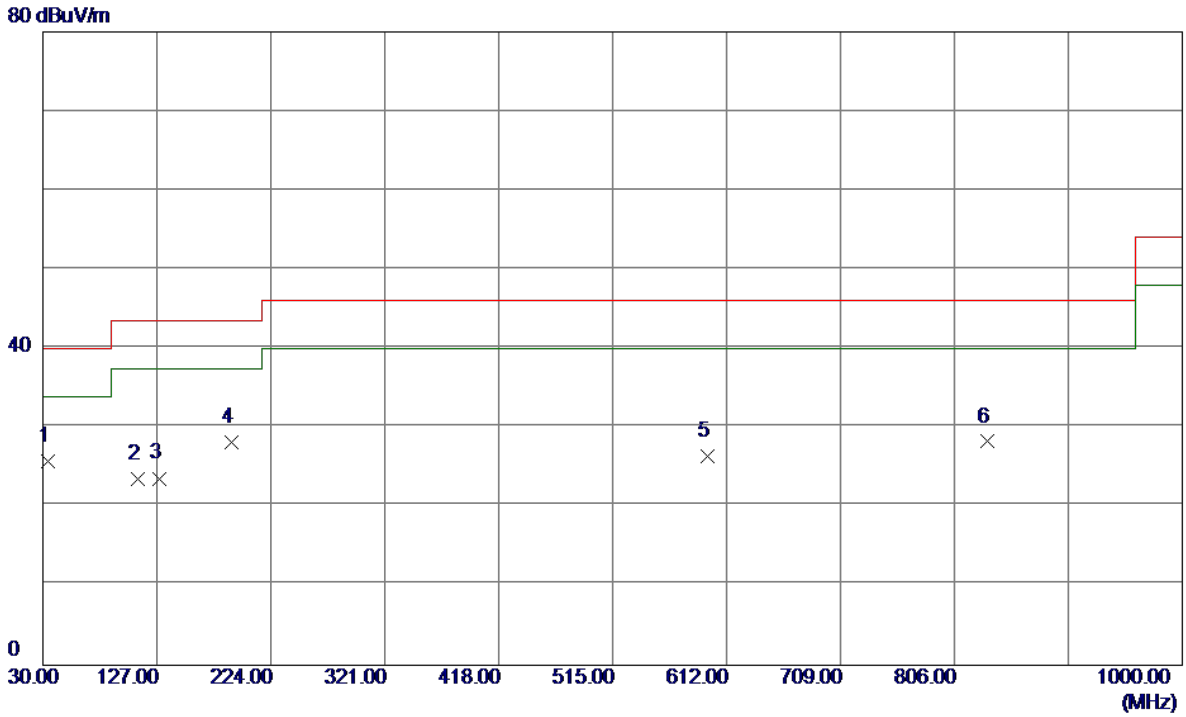
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	122.1500	37.73	-13.96	23.77	43.50	-19.73	Peak	
2	199.7500	40.55	-14.97	25.58	43.50	-17.92	Peak	
3	435.4600	32.87	-8.88	23.99	46.00	-22.01	Peak	
4	749.7400	33.21	-4.63	28.58	46.00	-17.42	Peak	
5	800.1800	31.34	-2.89	28.45	46.00	-17.55	Peak	
6	960.2300	32.61	-0.25	32.36	54.00	-21.64	Peak	

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

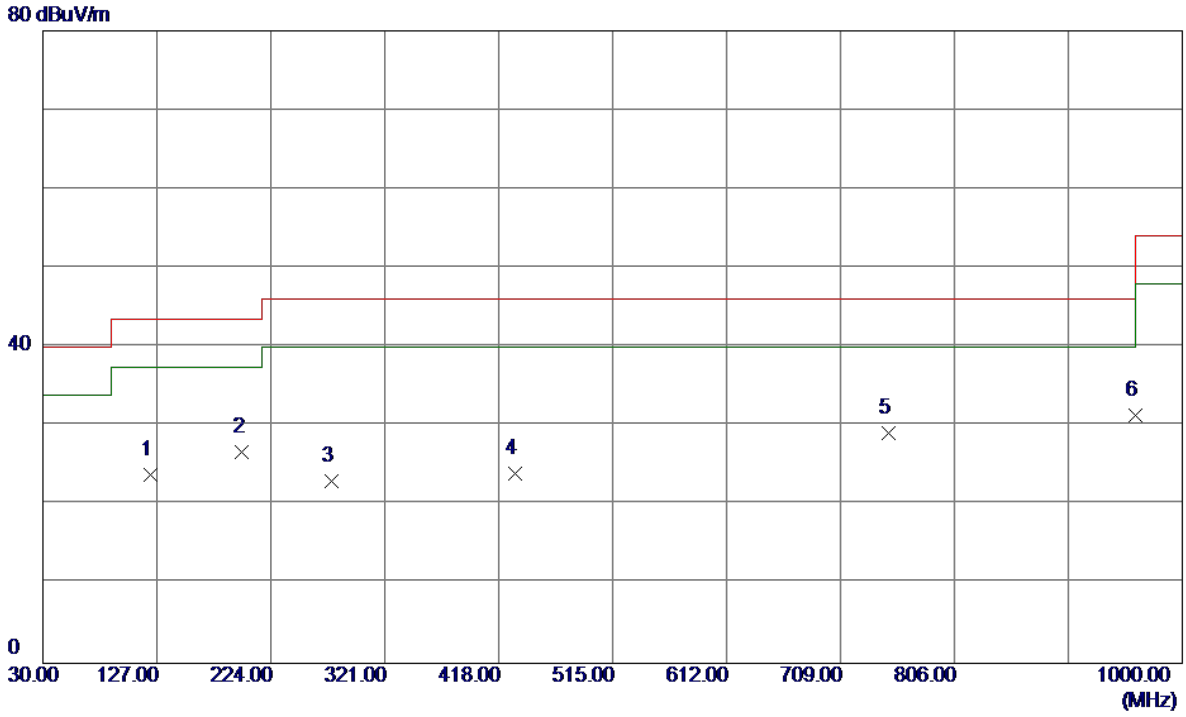
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	33.8800	40.64	-14.94	25.70	40.00	-14.30	Peak	
2	110.5100	38.77	-15.23	23.54	43.50	-19.96	Peak	
3	128.9400	36.78	-13.18	23.60	43.50	-19.90	Peak	
4	190.0500	42.58	-14.35	28.23	43.50	-15.27	Peak	
5	595.5100	34.31	-7.91	26.40	46.00	-19.60	Peak	
6	834.1300	31.31	-3.07	28.24	46.00	-17.76	Peak	

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

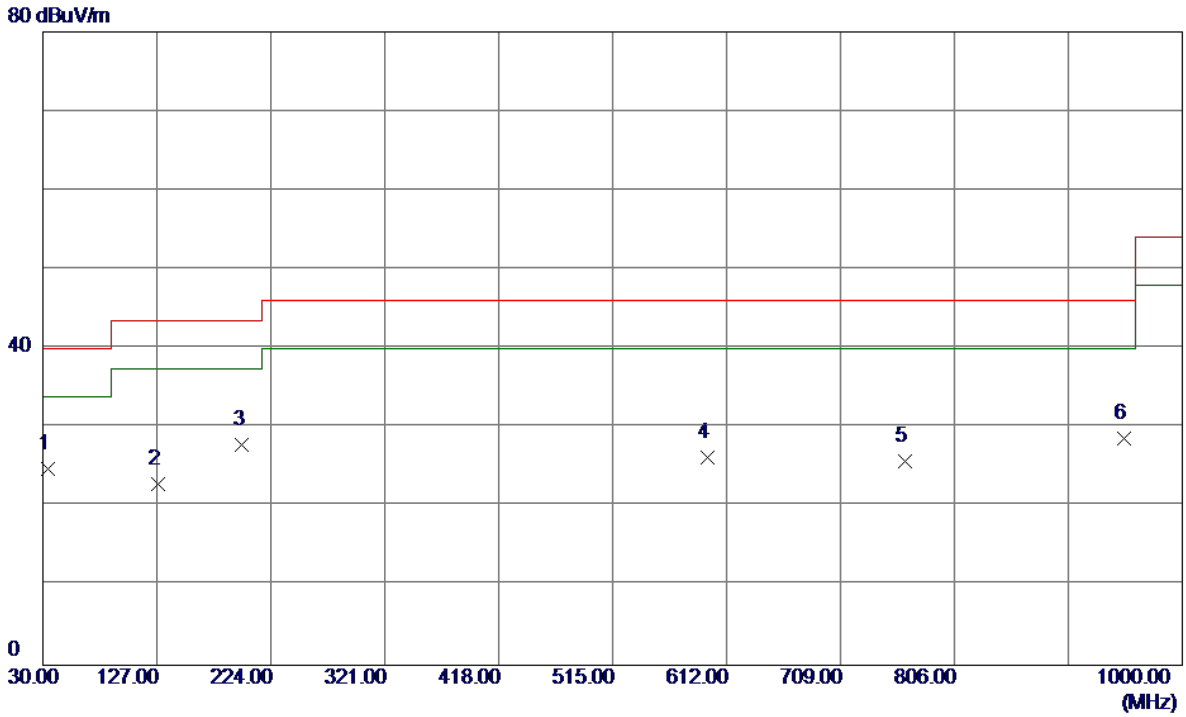
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	121.1800	37.89	-14.07	23.82	43.50	-19.68	Peak	
2	199.7500	41.70	-14.97	26.73	43.50	-16.77	Peak	
3	275.4100	35.77	-12.72	23.05	46.00	-22.95	Peak	
4	431.5800	33.00	-8.96	24.04	46.00	-21.96	Peak	
5	749.7400	33.74	-4.63	29.11	46.00	-16.89	Peak	
6	960.2300	31.61	-0.25	31.36	54.00	-22.64	Peak	

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

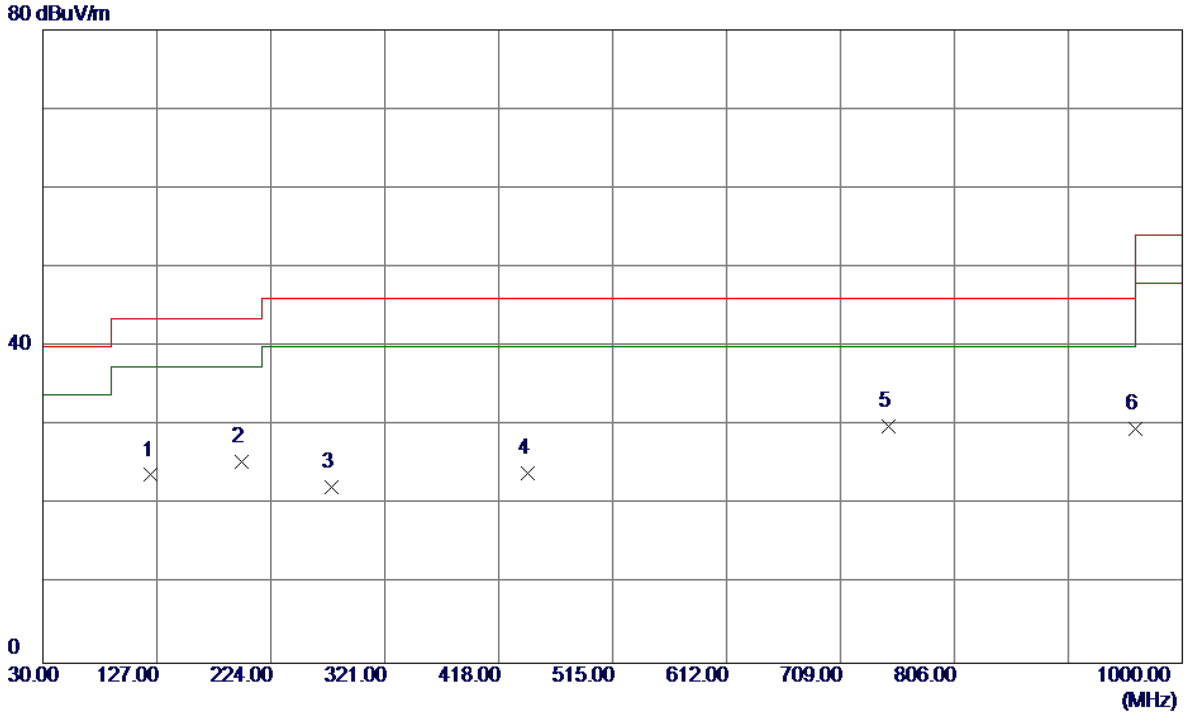
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	33.8800	39.77	-14.94	24.83	40.00	-15.17	Peak	
2	127.9700	36.23	-13.29	22.94	43.50	-20.56	Peak	
3	199.7500	42.79	-14.97	27.82	43.50	-15.68	Peak	
4	595.5100	34.14	-7.91	26.23	46.00	-19.77	Peak	
5	764.2900	29.88	-4.13	25.75	46.00	-20.25	Peak	
6	950.5300	28.80	-0.21	28.59	46.00	-17.41	Peak	

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

Horizontal

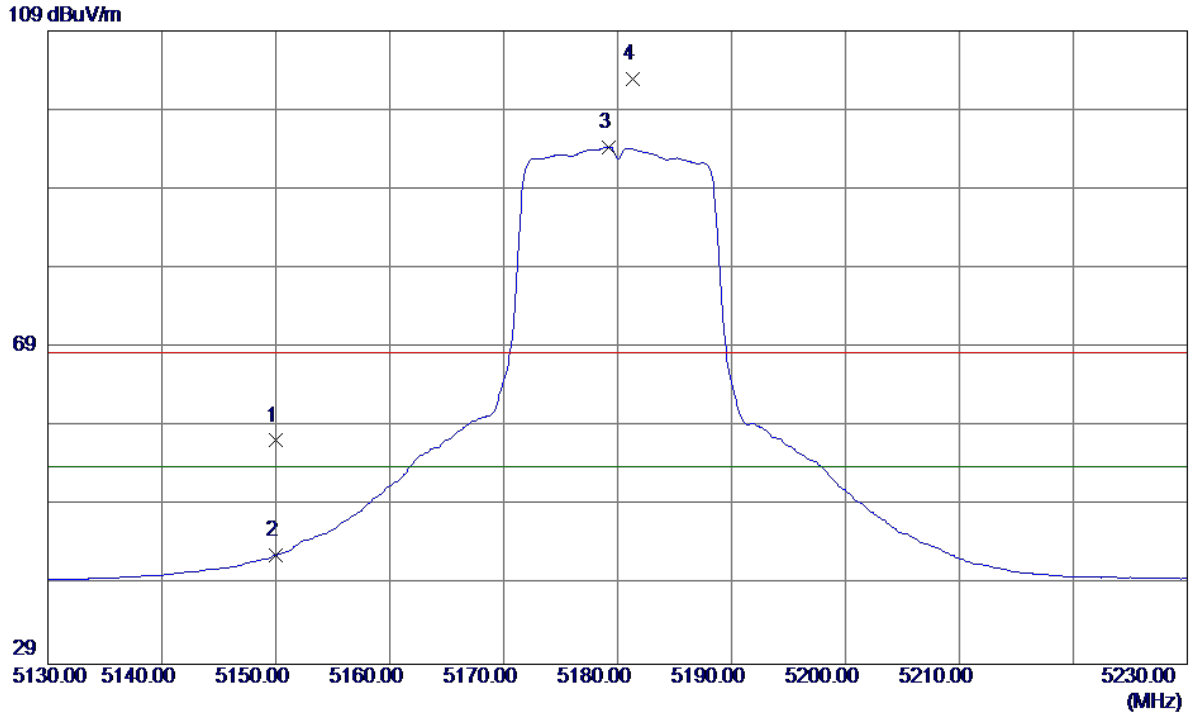


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	122.1500	37.72	-13.96	23.76	43.50	-19.74	Peak	
2	198.7800	40.38	-14.91	25.47	43.50	-18.03	Peak	
3	275.4100	35.03	-12.72	22.31	46.00	-23.69	Peak	
4	443.2200	32.81	-8.74	24.07	46.00	-21.93	Peak	
5	749.7400	34.55	-4.63	29.92	46.00	-16.08	Peak	
6	960.2300	29.91	-0.25	29.66	54.00	-24.34	Peak	

ATTACHMENTD -RADIATED EMISSION (ABOVE 1000MHZ)

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

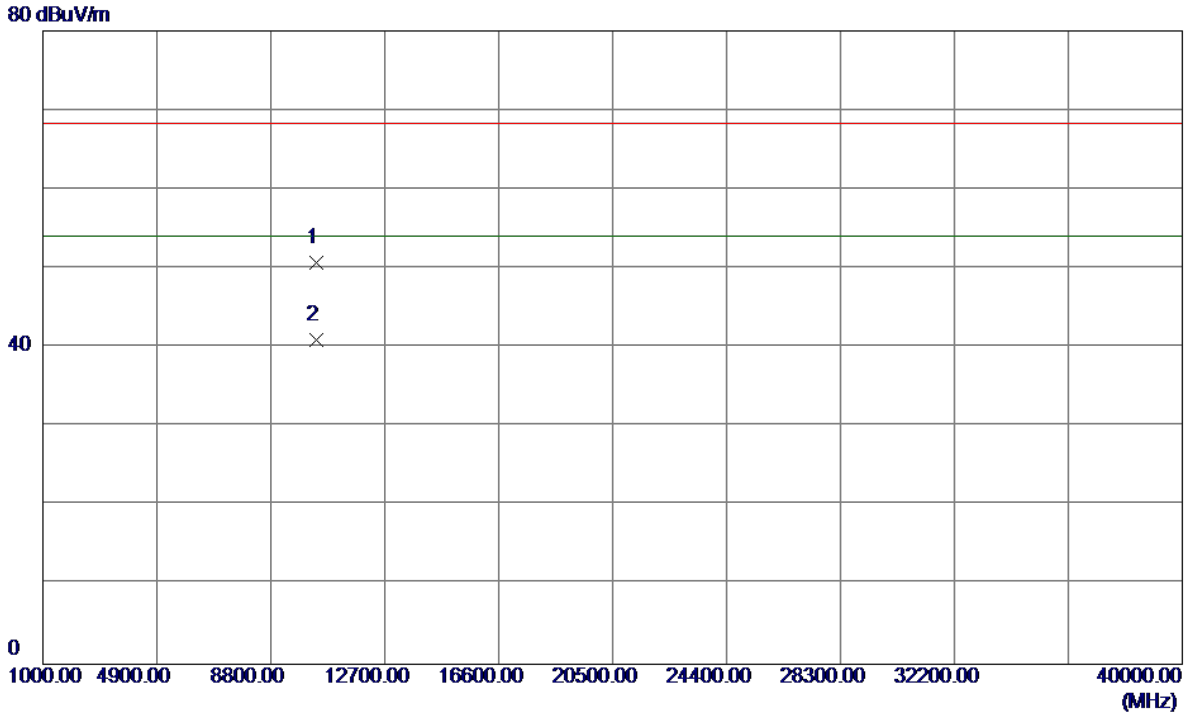
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	18.24	39.00	57.24	68.30	-11.06	Peak	
2	5150.0000	3.73	39.00	42.73	54.00	-11.27	AVG	
3	5179.2000	55.25	39.09	94.34	54.00	40.34	AVG	No Limit
4	5181.3000	63.89	39.10	102.99	68.30	34.69	Peak	No Limit

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

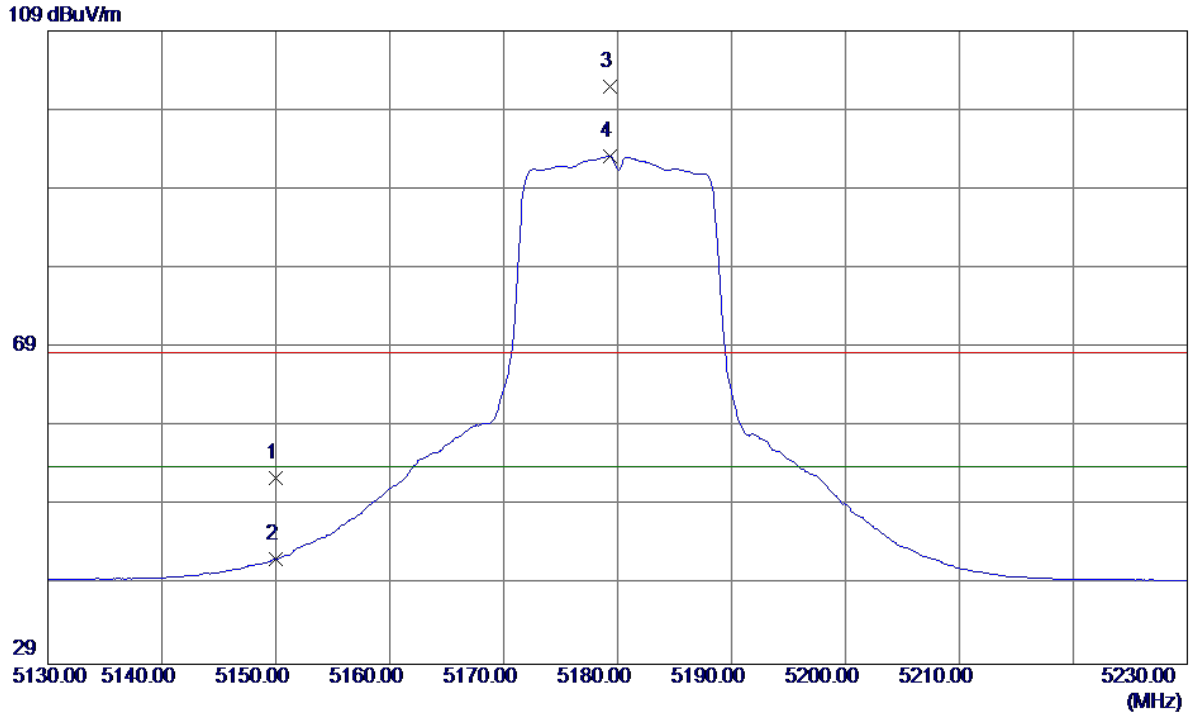
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.0500	39.68	11.11	50.79	68.30	-17.51	Peak	
2	10360.0500	29.85	11.11	40.96	54.00	-13.04	AVG	

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

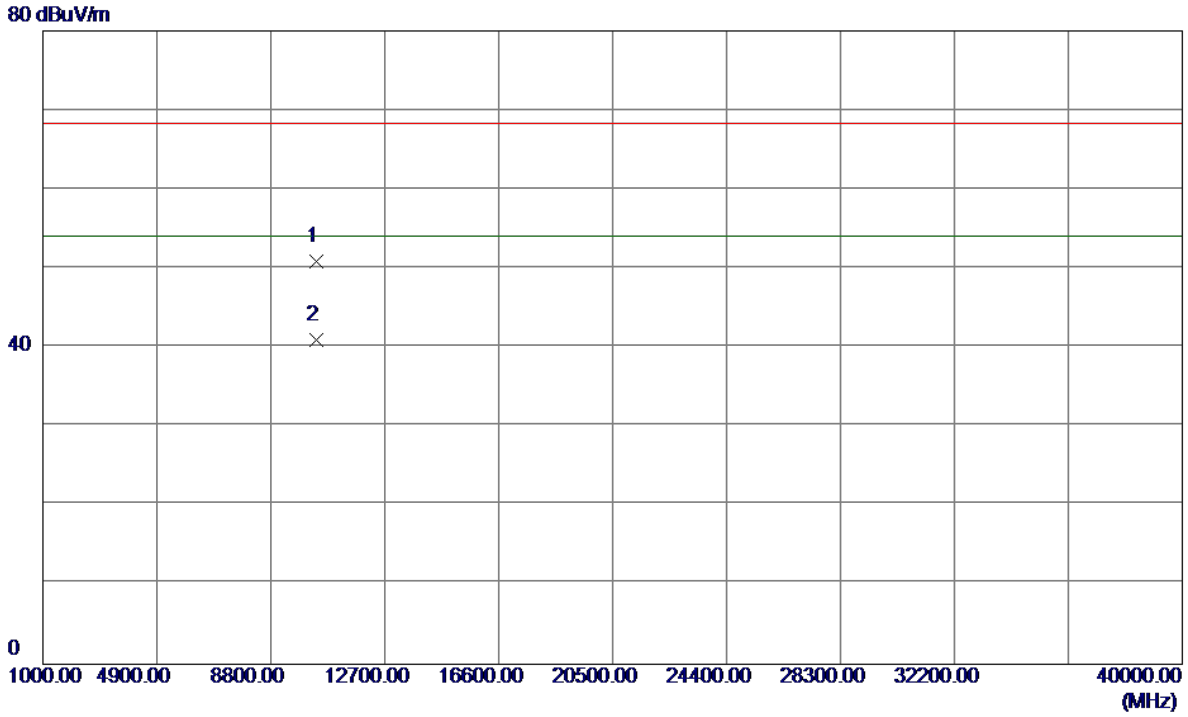
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	13.52	39.00	52.52	68.30	-15.78	Peak	
2	5150.0000	3.30	39.00	42.30	54.00	-11.70	AVG	
3	5179.3000	62.79	39.10	101.89	68.30	33.59	Peak	No Limit
4	5179.3000	54.07	39.10	93.17	54.00	39.17	AVG	No Limit

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

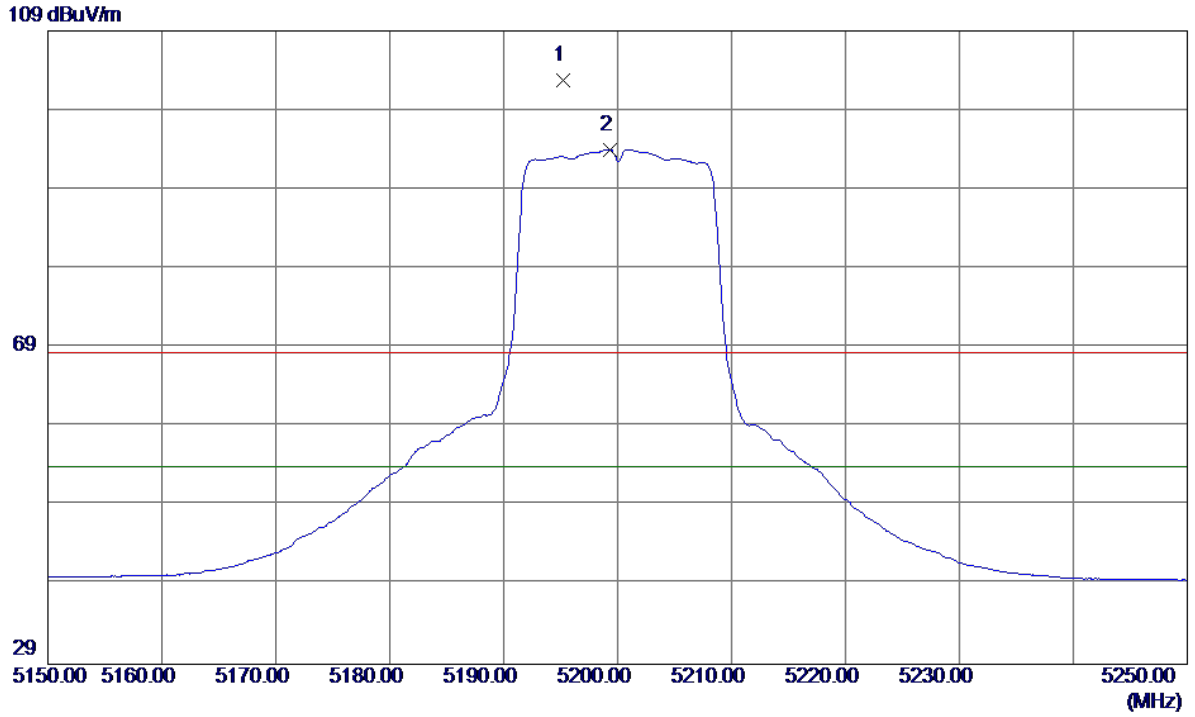
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10359.9900	39.79	11.11	50.90	68.30	-17.40	Peak	
2	10359.9900	29.82	11.11	40.93	54.00	-13.07	AVG	

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

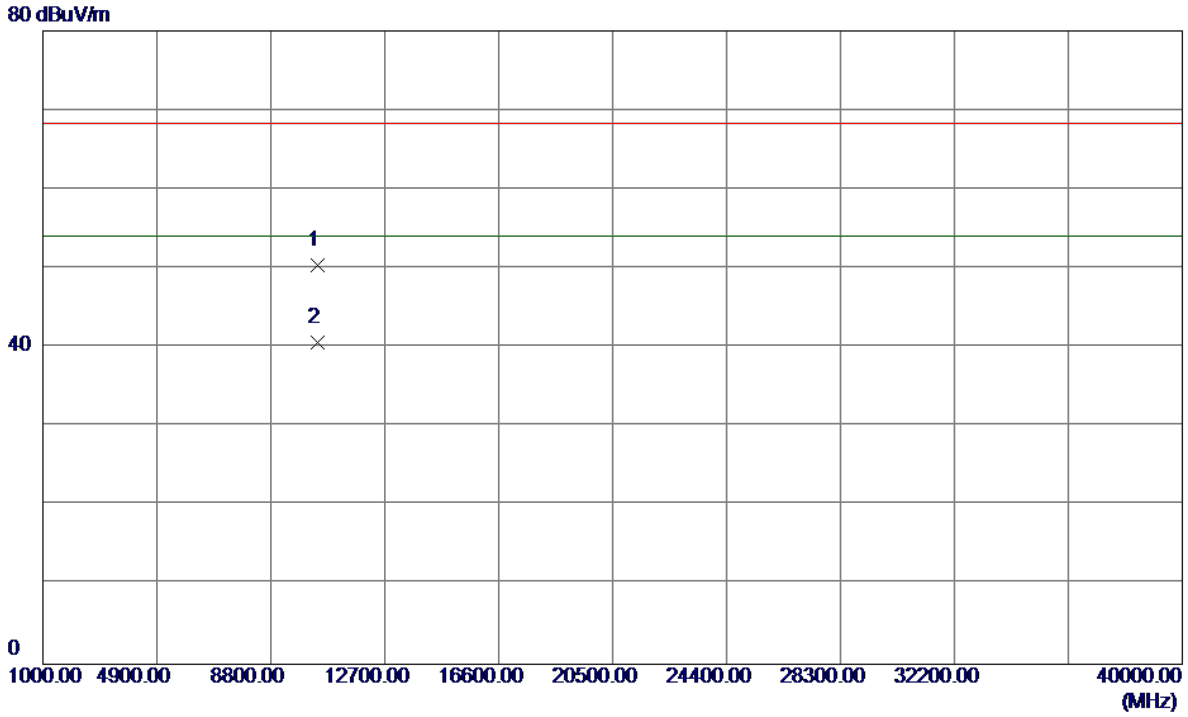
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5195.2000	63.58	39.15	102.73	68.30	34.43	Peak	No Limit
2	5199.3000	54.86	39.16	94.02	54.00	40.02	AVG	No Limit

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

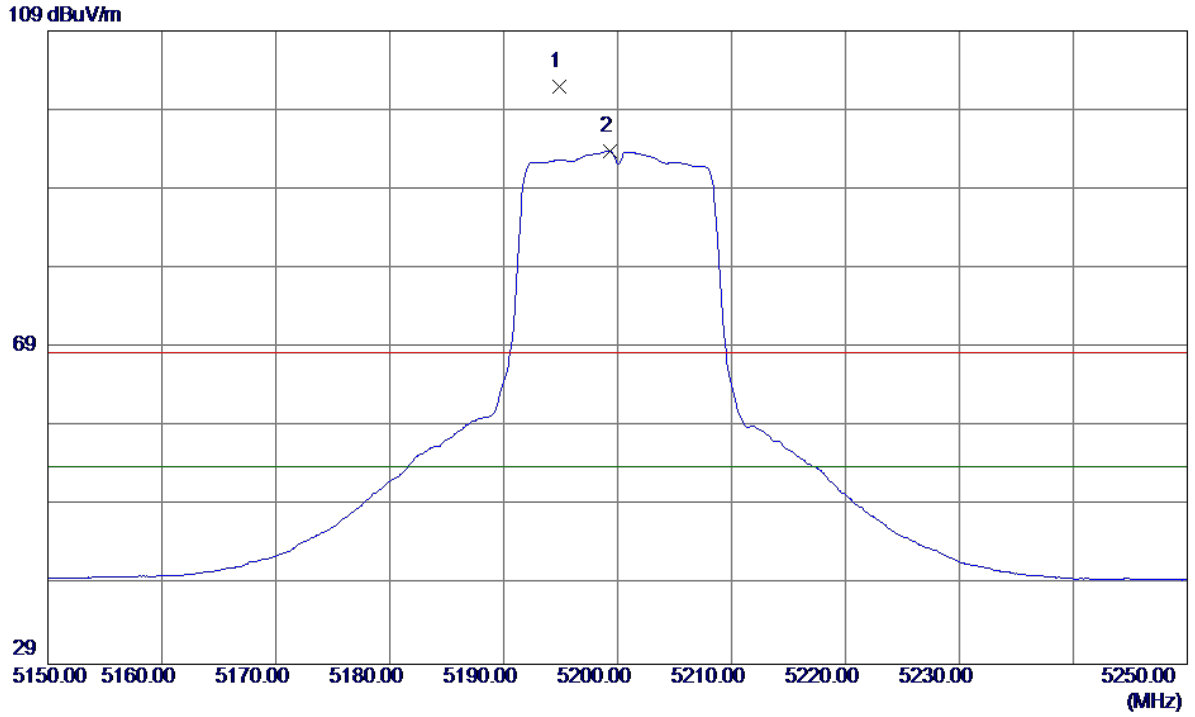
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.0300	39.40	11.05	50.45	68.30	-17.85	Peak	
2	10400.0300	29.54	11.05	40.59	54.00	-13.41	AVG	

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

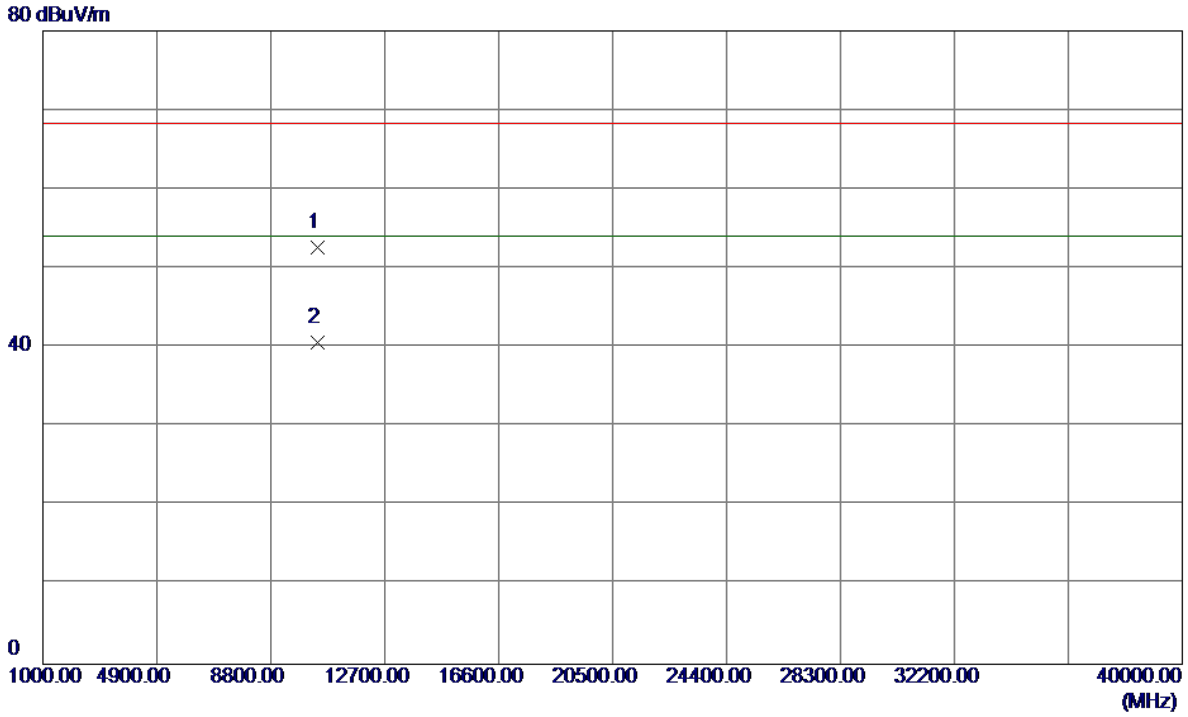
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.9000	62.84	39.15	101.99	68.30	33.69	Peak	No Limit
2	5199.3000	54.64	39.16	93.80	54.00	39.80	AVG	No Limit

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

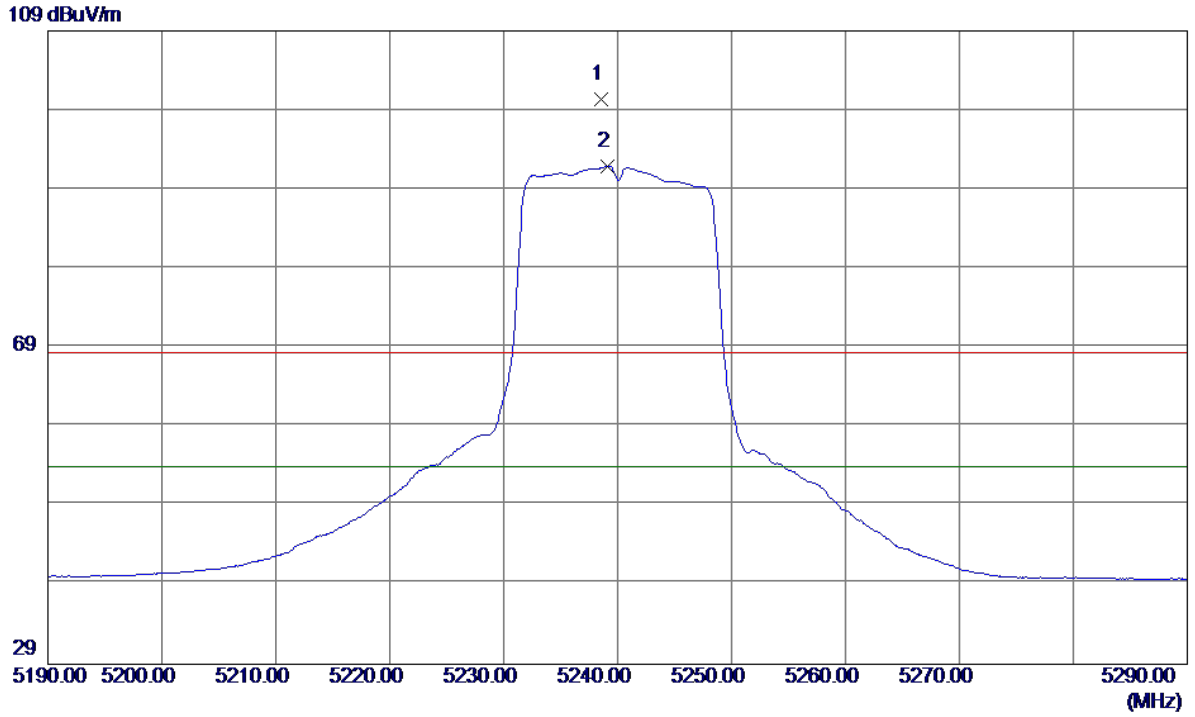
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.0000	41.63	11.05	52.68	68.30	-15.62	Peak	
2	10400.0100	29.58	11.05	40.63	54.00	-13.37	AVG	

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

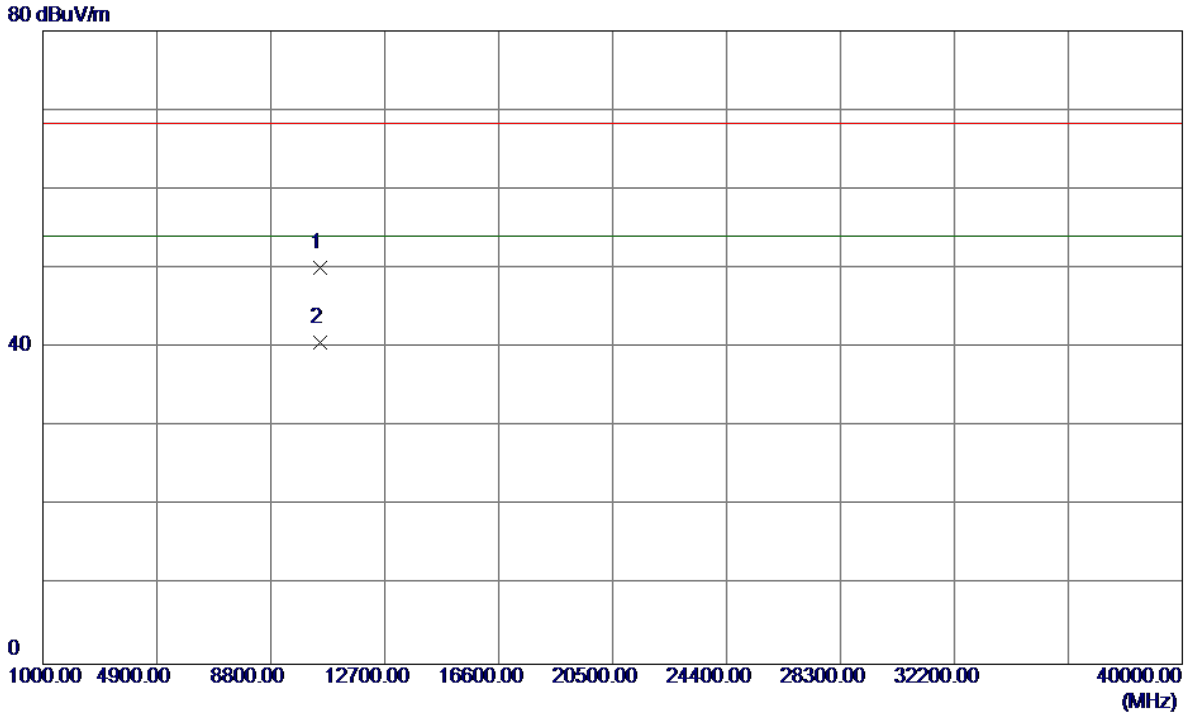
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5238.6000	61.11	39.29	100.40	68.30	32.10	Peak	No Limit
2	5239.1000	52.57	39.29	91.86	54.00	37.86	AVG	No Limit

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

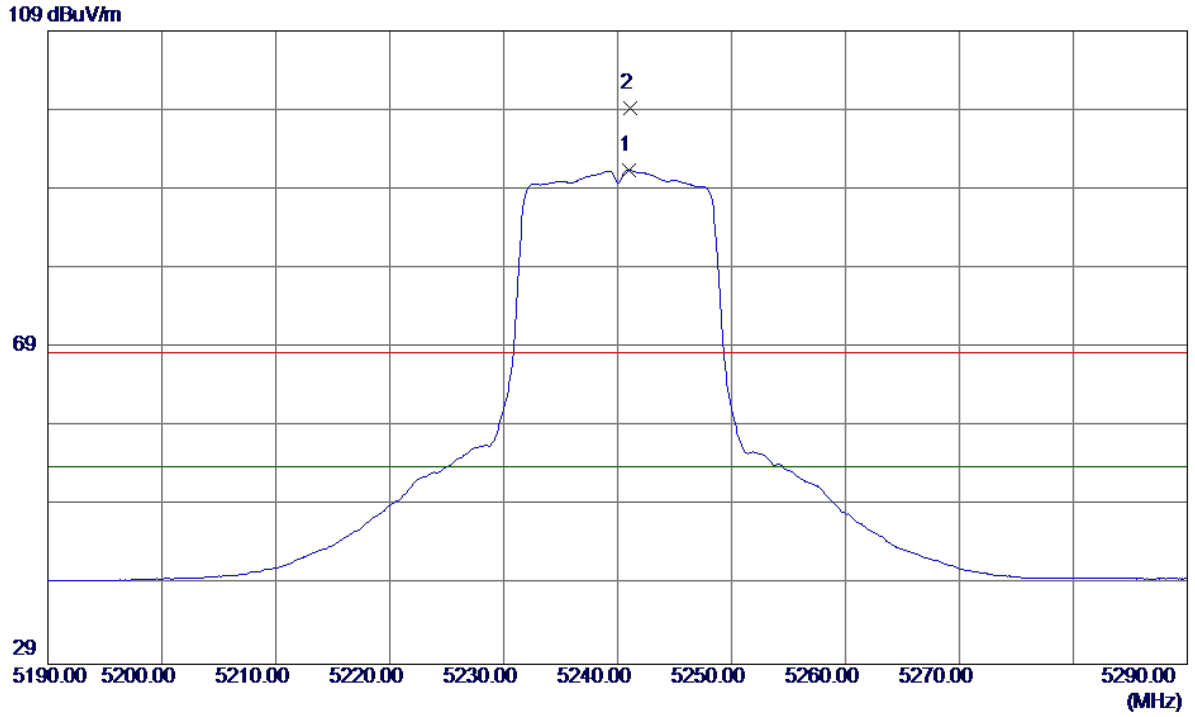
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.0000	39.13	10.94	50.07	68.30	-18.23	Peak	
2	10480.0000	29.76	10.94	40.70	54.00	-13.30	AVG	

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

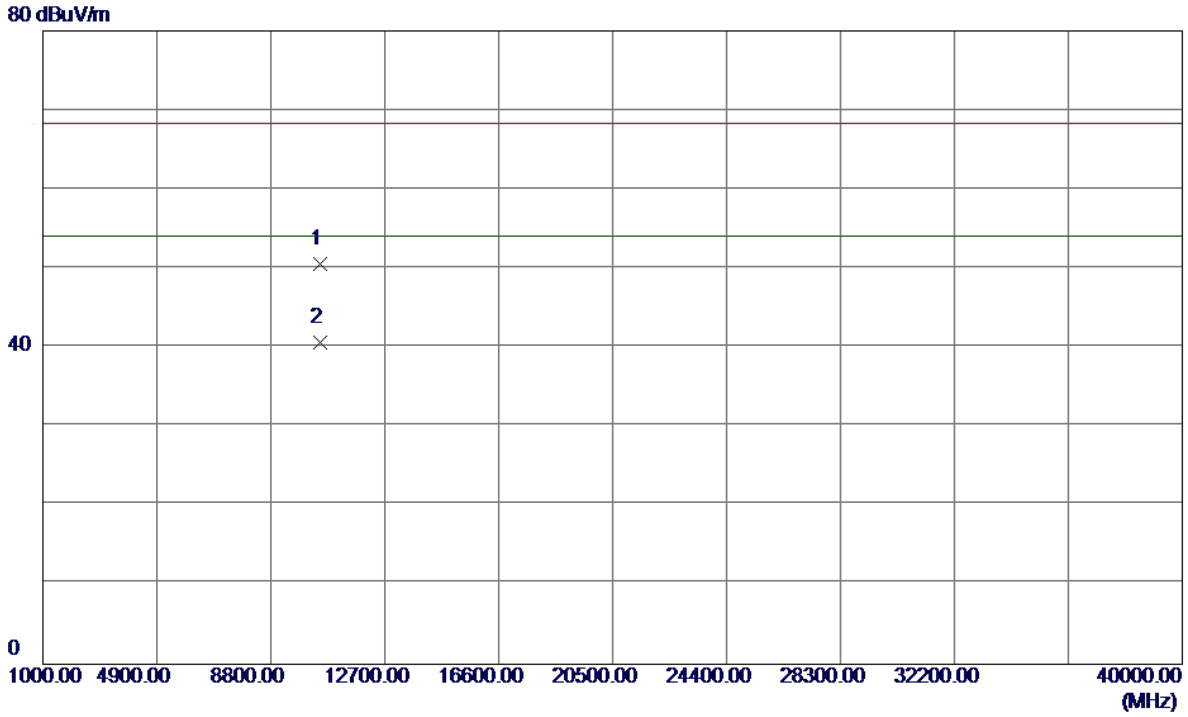
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5241.0000	52.05	39.30	91.35	54.00	37.35	AVG	No Limit
2	5241.1000	59.87	39.30	99.17	68.30	30.87	Peak	No Limit

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

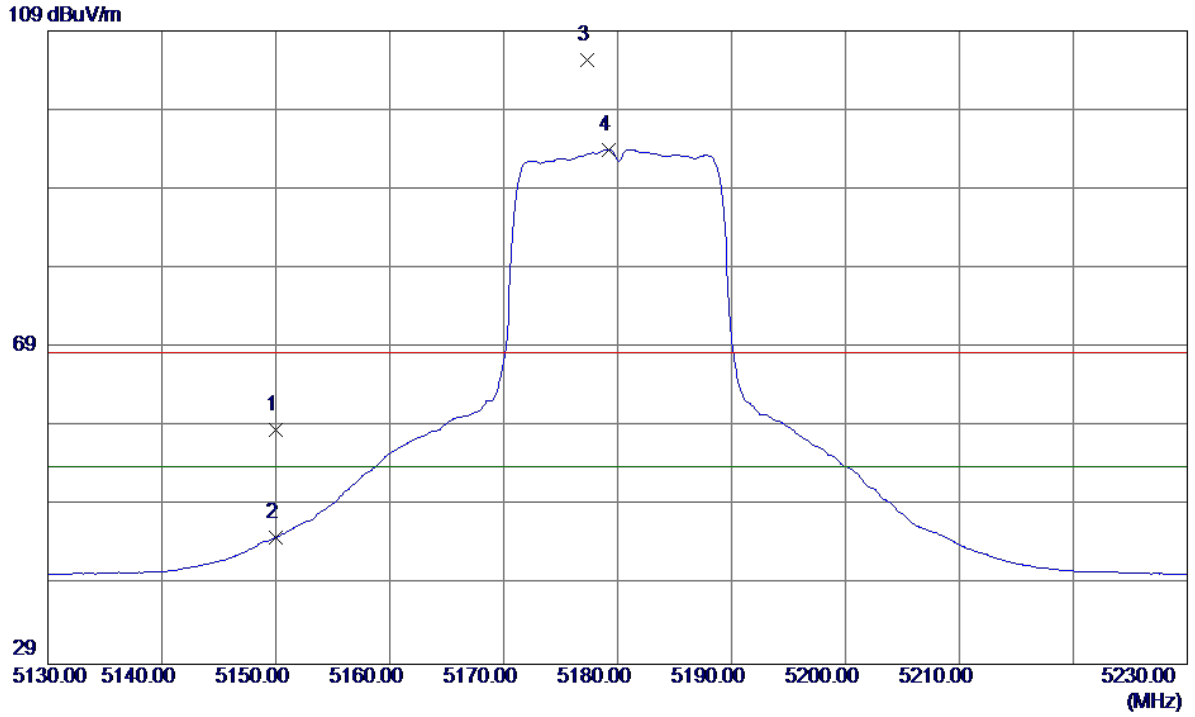
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.0100	39.64	10.94	50.58	68.30	-17.72	Peak	
2	10480.0100	29.76	10.94	40.70	54.00	-13.30	AVG	

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

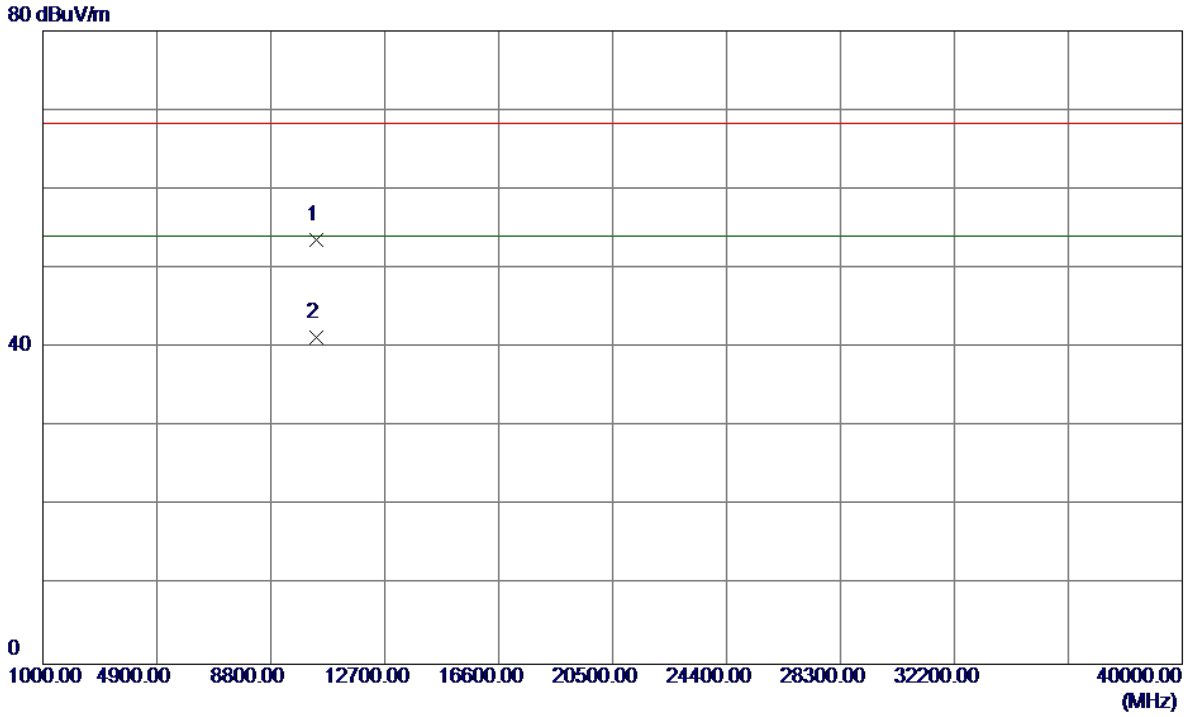
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	19.58	39.00	58.58	68.30	-9.72	Peak	
2	5150.0000	6.00	39.00	45.00	54.00	-9.00	AVG	
3	5177.3000	66.17	39.09	105.26	68.30	36.96	Peak	No Limit
4	5179.2000	54.94	39.09	94.03	54.00	40.03	AVG	No Limit

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

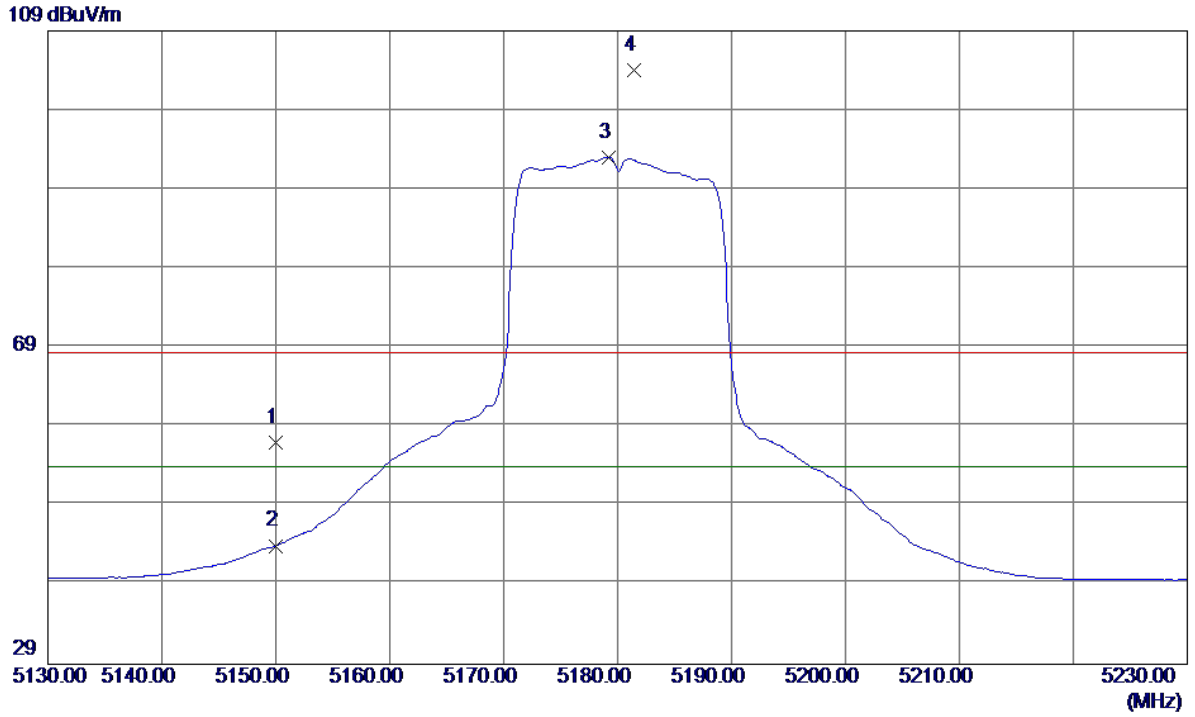
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10359.7000	42.56	11.11	53.67	68.30	-14.63	Peak	
2	10360.0800	30.12	11.11	41.23	54.00	-12.77	AVG	

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

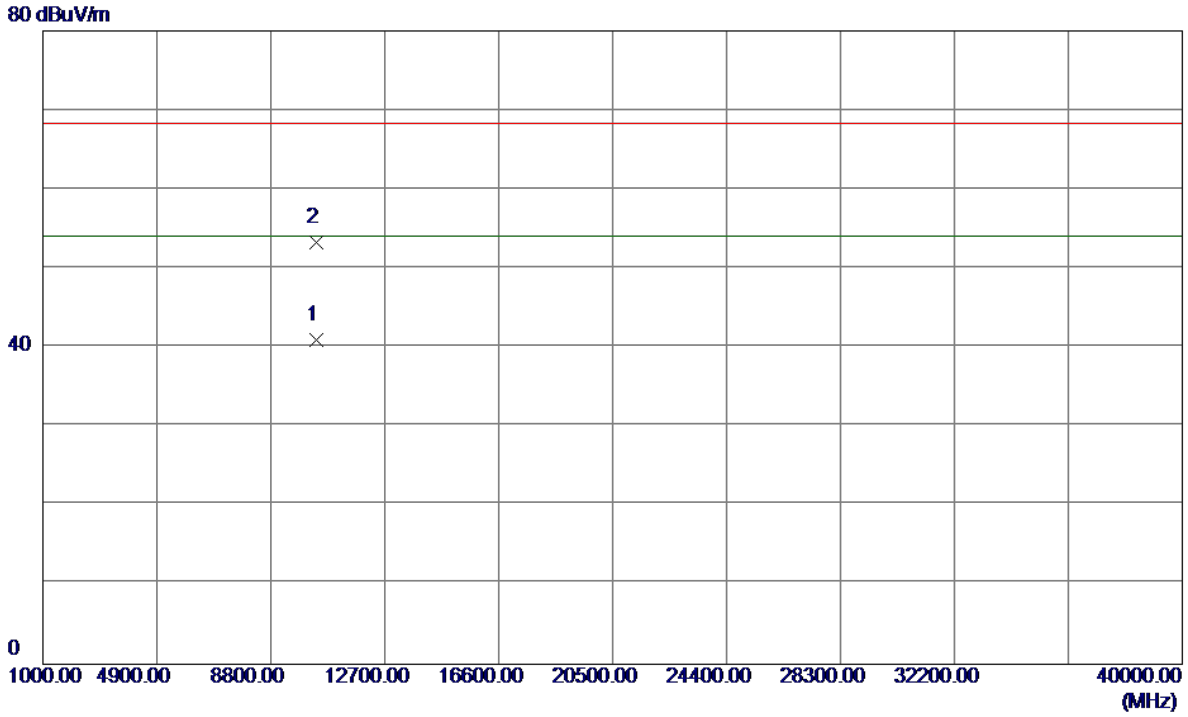
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	18.01	39.00	57.01	68.30	-11.29	Peak	
2	5150.0000	4.96	39.00	43.96	54.00	-10.04	AVG	
3	5179.2000	53.97	39.09	93.06	54.00	39.06	AVG	No Limit
4	5181.4000	64.99	39.10	104.09	68.30	35.79	Peak	No Limit

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

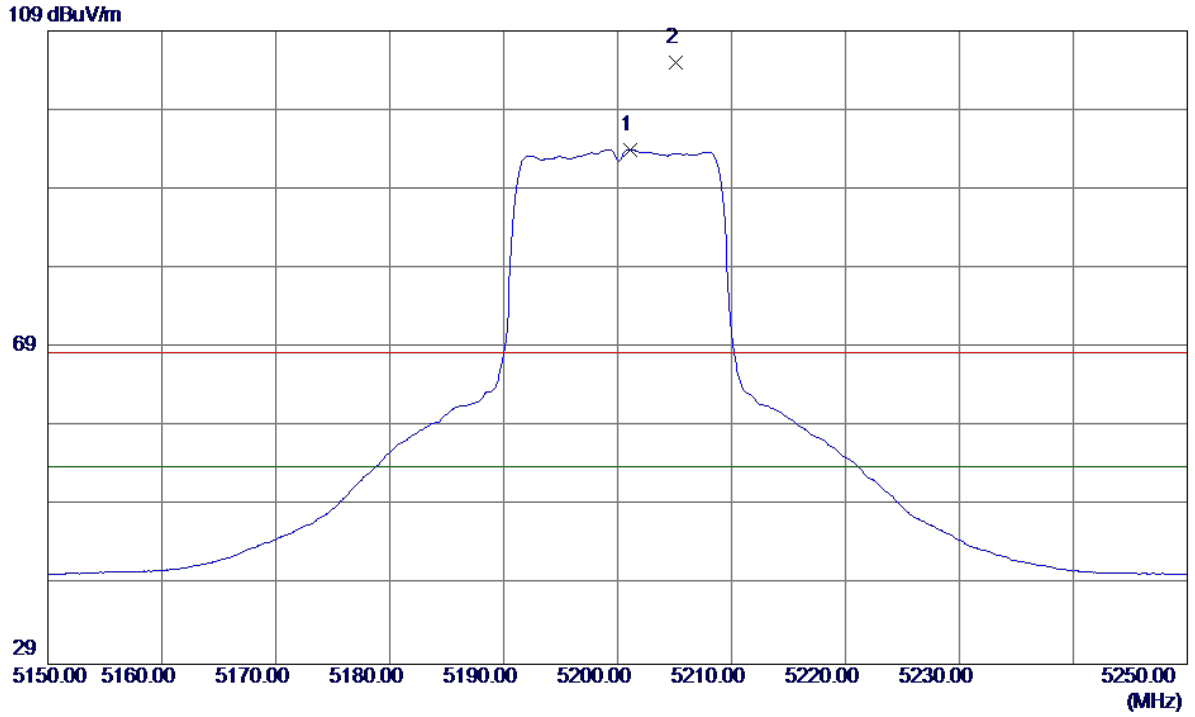
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.0100	29.88	11.11	40.99	54.00	-13.01	AVG	
2	10360.1900	42.13	11.11	53.24	68.30	-15.06	Peak	

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

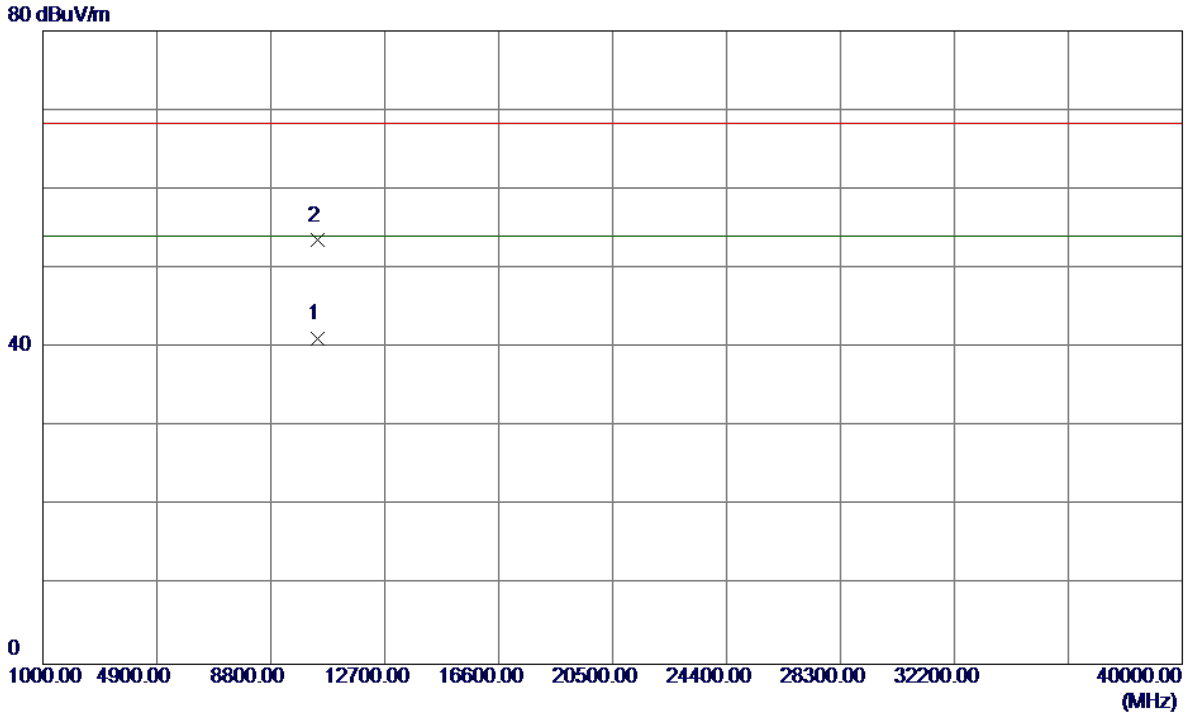
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5201.1000	54.82	39.17	93.99	54.00	39.99	AVG	No Limit
2	5205.1000	65.84	39.18	105.02	68.30	36.72	Peak	No Limit

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

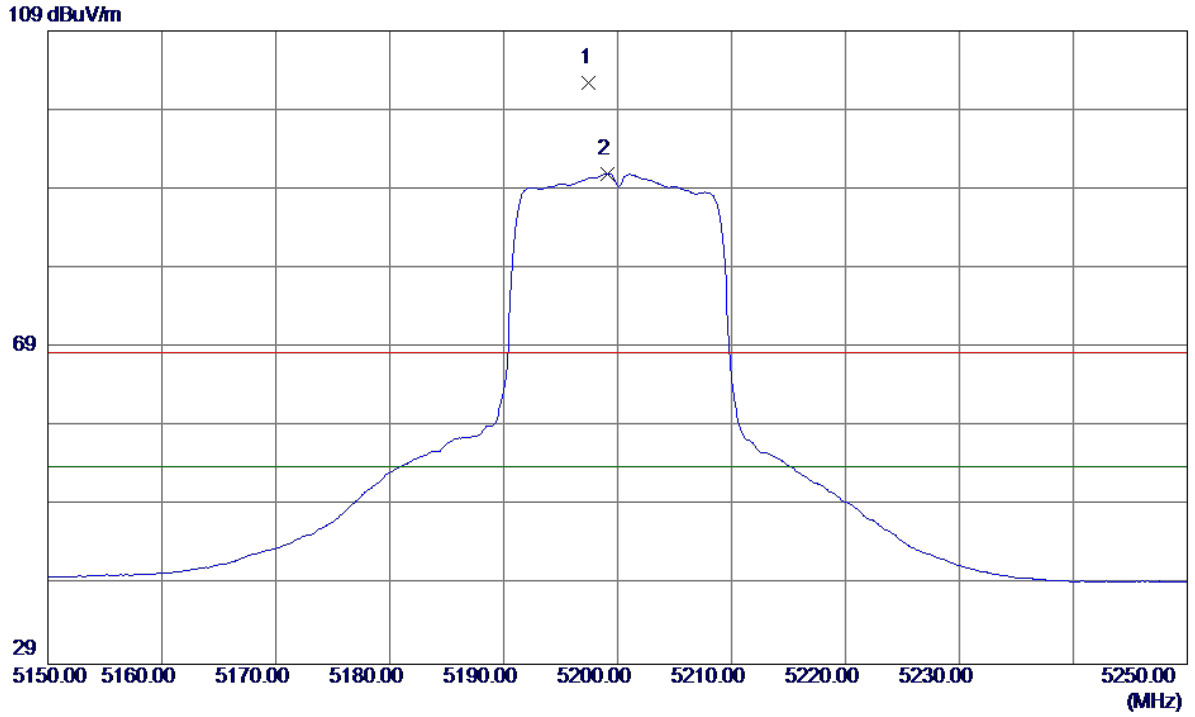
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.0000	30.07	11.05	41.12	54.00	-12.88	AVG	
2	10400.1900	42.47	11.05	53.52	68.30	-14.78	Peak	

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

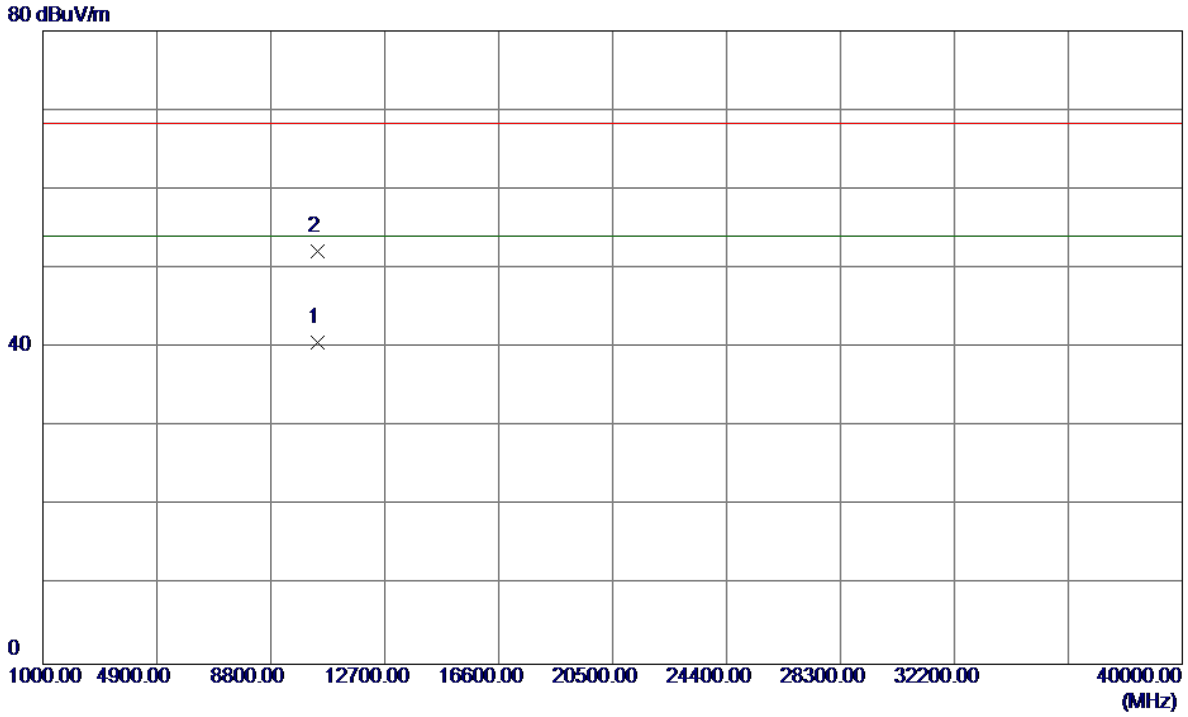
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5197.5000	63.33	39.16	102.49	68.30	34.19	Peak	No Limit
2	5199.1000	51.82	39.16	90.98	54.00	36.98	AVG	No Limit

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

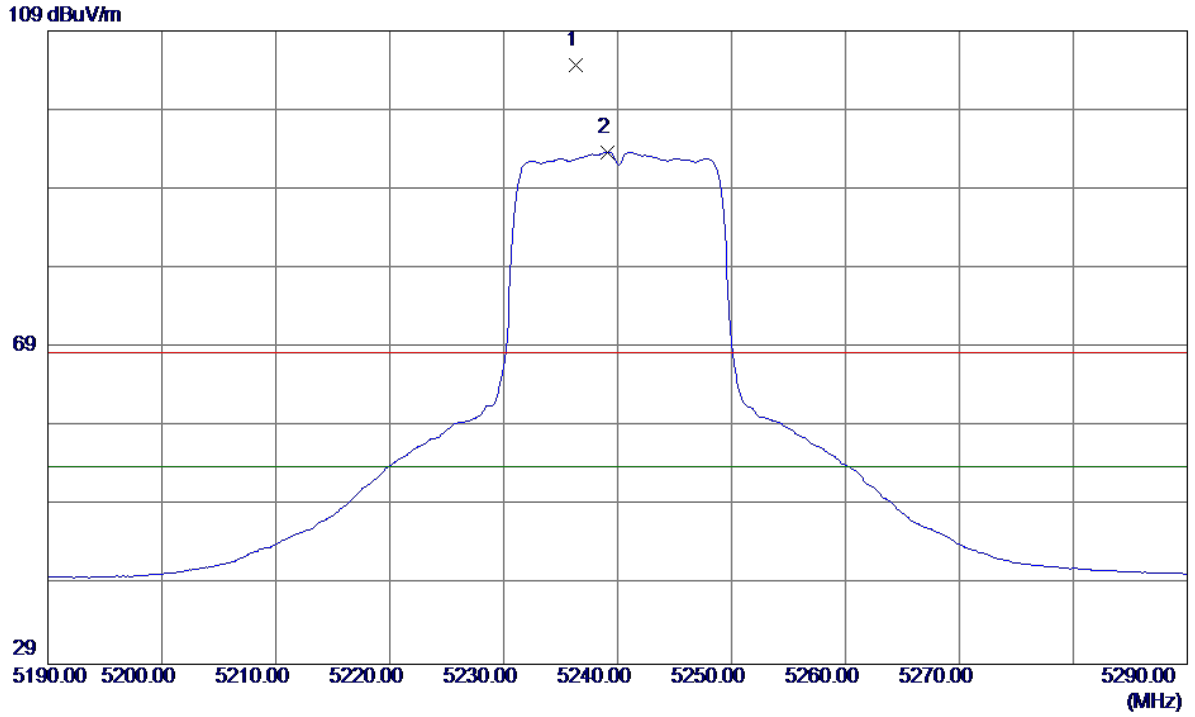
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10399.9400	29.60	11.05	40.65	54.00	-13.35	AVG	
2	10400.0700	41.15	11.05	52.20	68.30	-16.10	Peak	

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

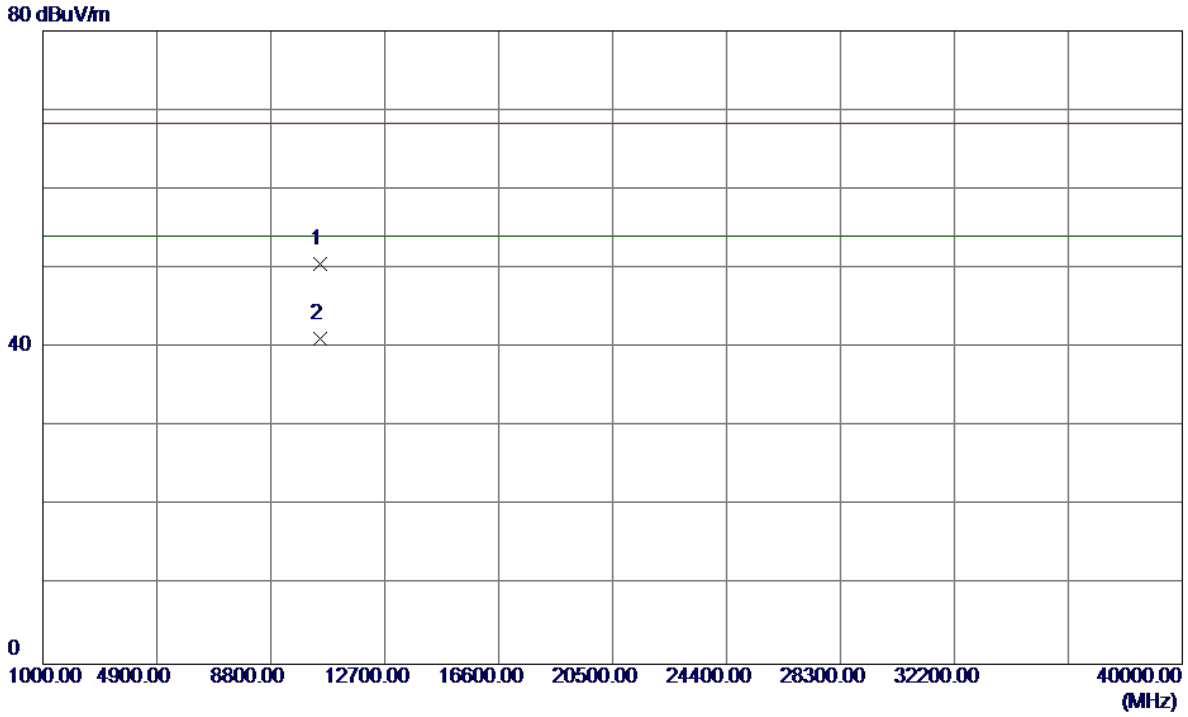
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5236.3000	65.33	39.28	104.61	68.30	36.31	Peak	No Limit
2	5239.1000	54.39	39.29	93.68	54.00	39.68	AVG	No Limit

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

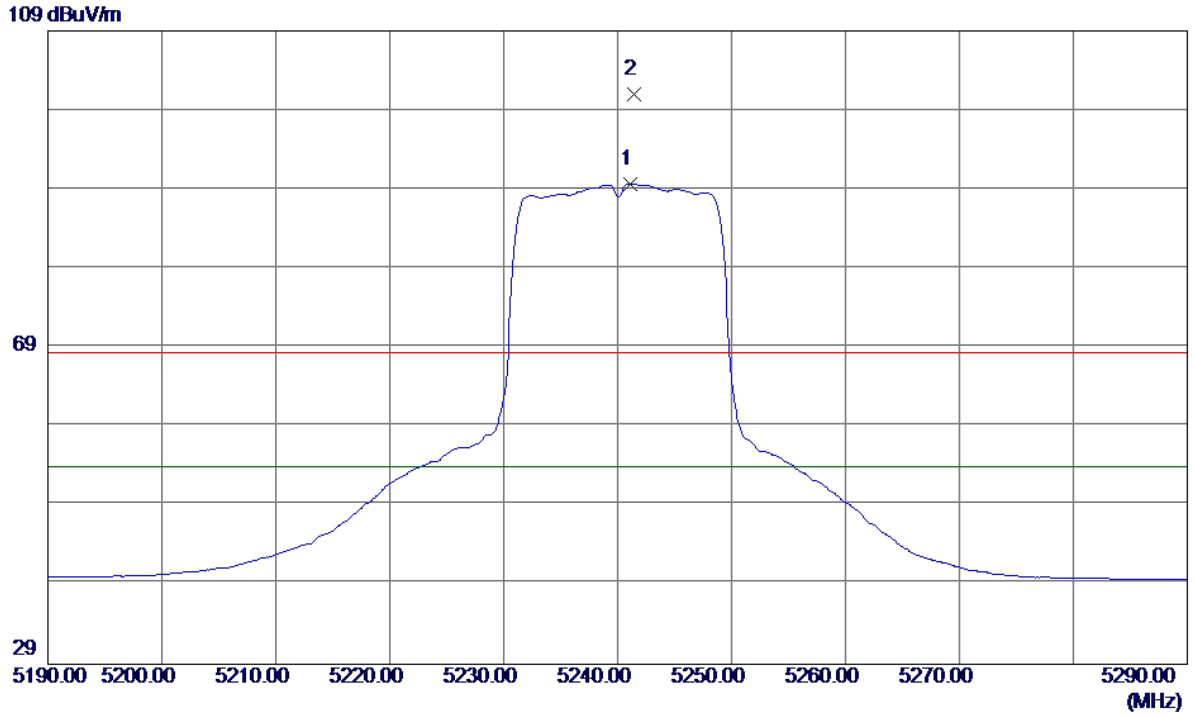
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.0900	39.58	10.94	50.52	68.30	-17.78	Peak	
2	10480.0900	30.13	10.94	41.07	54.00	-12.93	AVG	

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

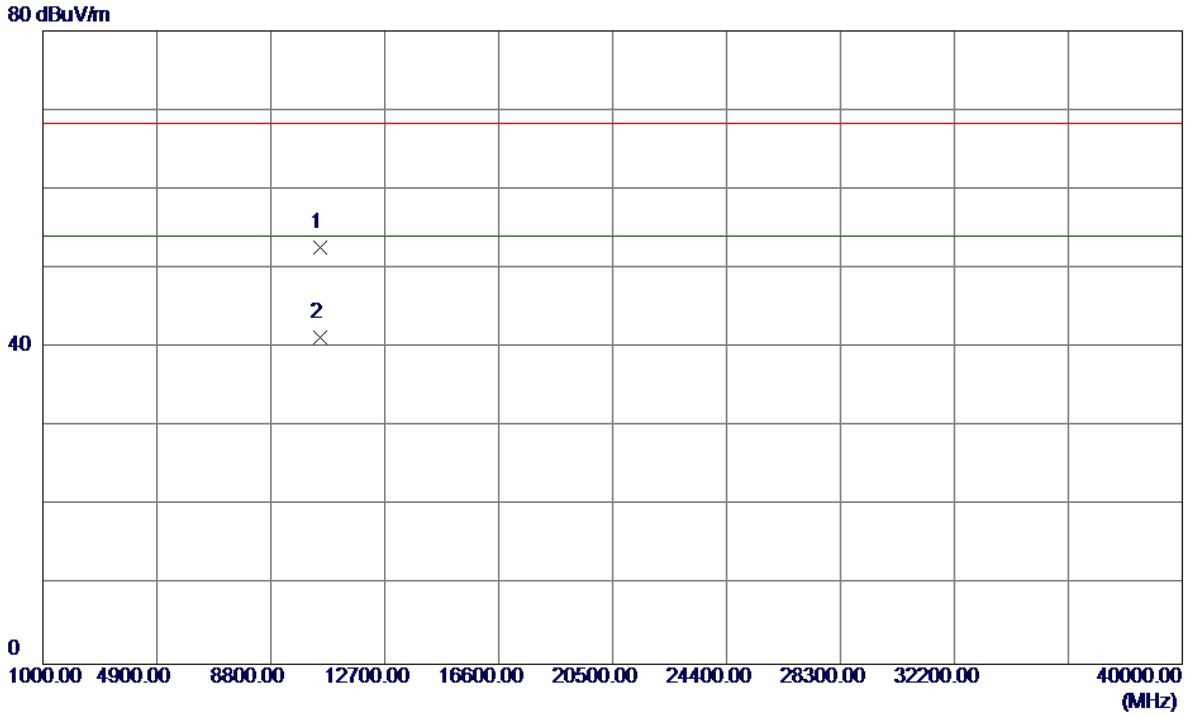
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5241.1000	50.38	39.30	89.68	54.00	35.68	AVG	No Limit
2	5241.4000	61.77	39.30	101.07	68.30	32.77	Peak	No Limit

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

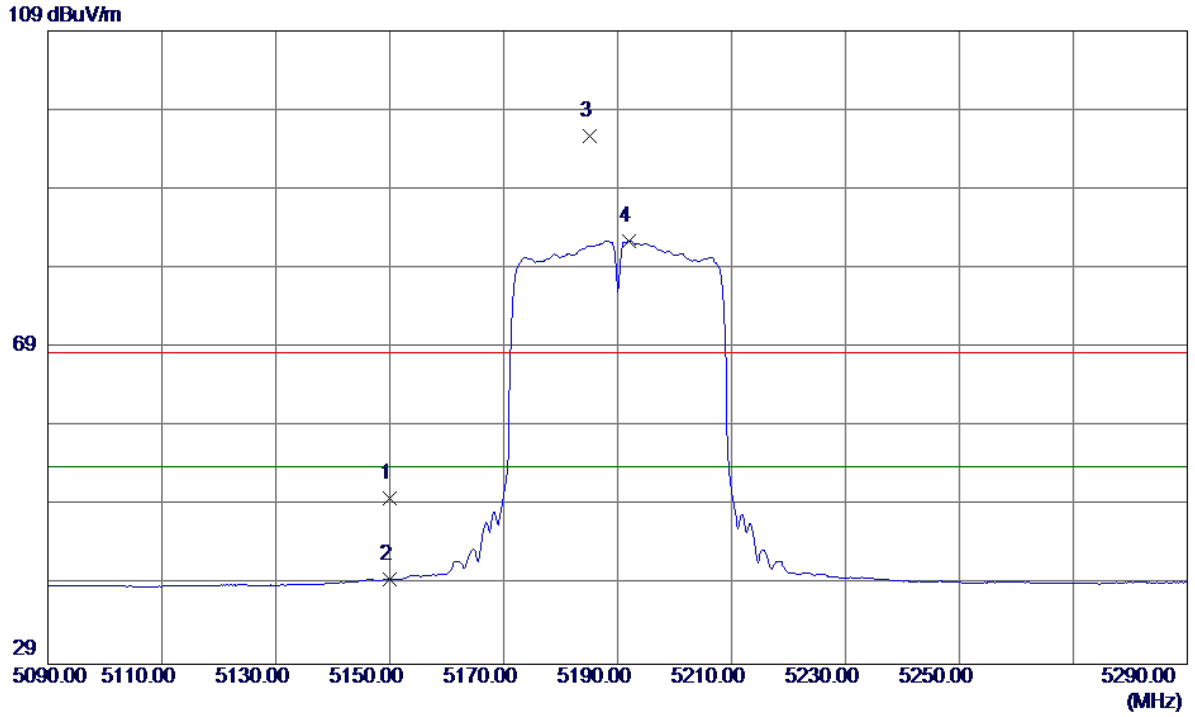
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10479.9100	41.63	10.94	52.57	68.30	-15.73	Peak	
2	10480.0000	30.37	10.94	41.31	54.00	-12.69	AVG	

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

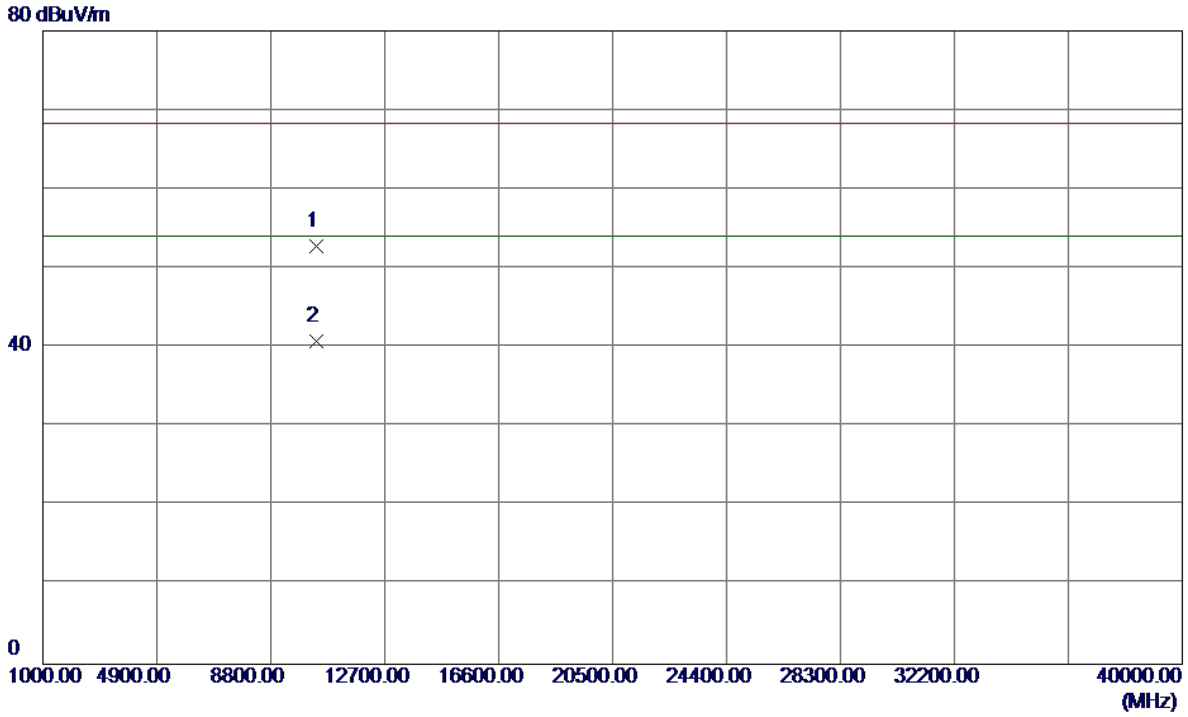
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	10.93	39.00	49.93	68.30	-18.37	Peak	
2	5150.0000	0.73	39.00	39.73	54.00	-14.27	AVG	
3	5185.2000	56.55	39.11	95.66	68.30	27.36	Peak	No Limit
4	5192.0000	43.37	39.14	82.51	54.00	28.51	AVG	No Limit

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

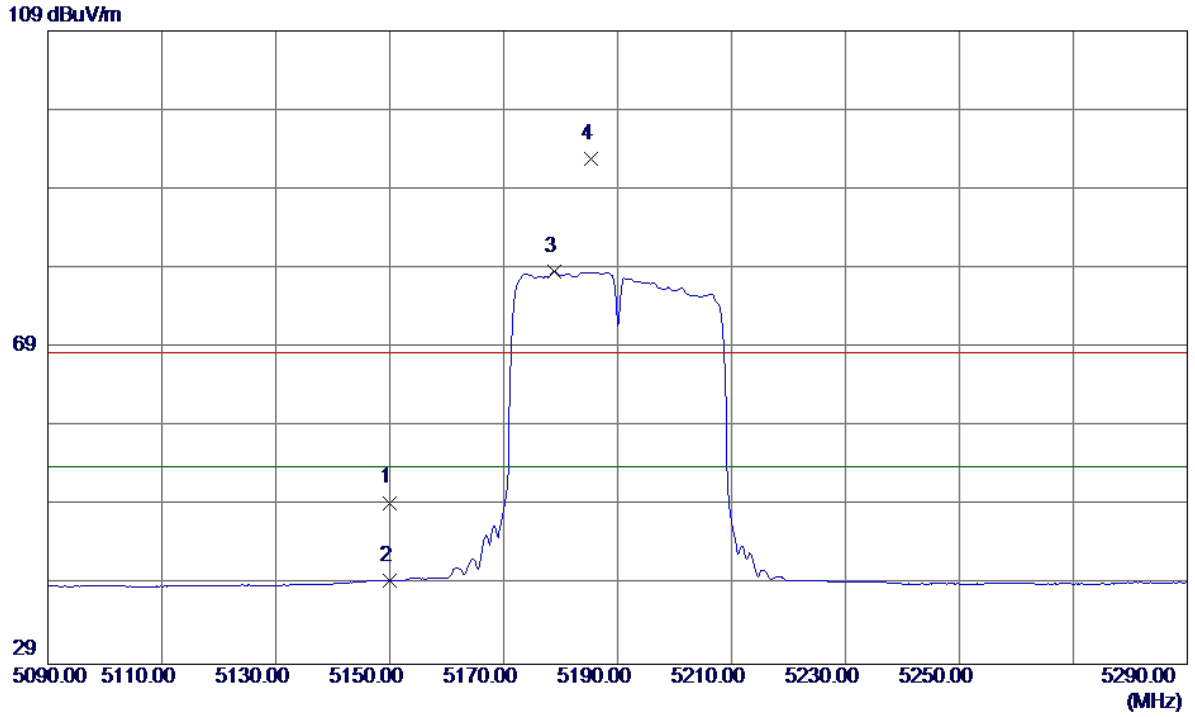
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.0900	41.68	11.08	52.76	68.30	-15.54	Peak	
2	10380.0900	29.71	11.08	40.79	54.00	-13.21	AVG	

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

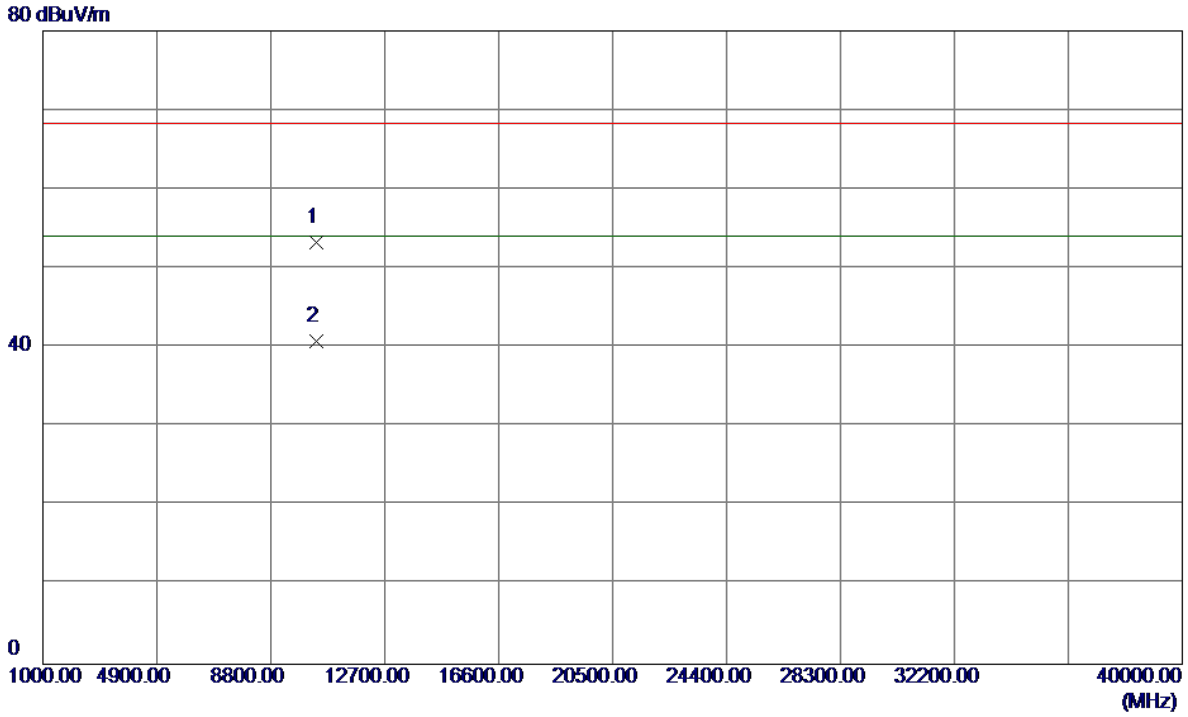
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	10.40	39.00	49.40	68.30	-18.90	Peak	
2	5150.0000	0.53	39.00	39.53	54.00	-14.47	AVG	
3	5178.8000	39.53	39.09	78.62	54.00	24.62	AVG	No Limit
4	5185.4000	53.71	39.12	92.83	68.30	24.53	Peak	No Limit

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

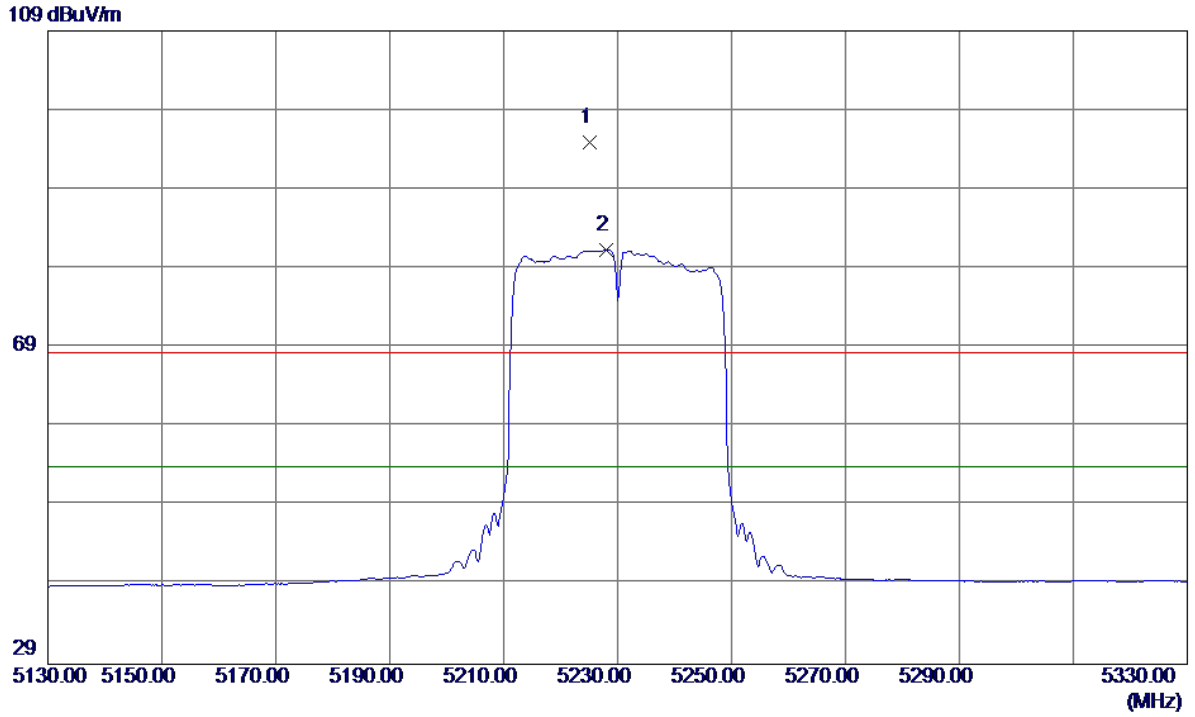
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10379.9800	42.23	11.08	53.31	68.30	-14.99	Peak	
2	10380.0900	29.66	11.08	40.74	54.00	-13.26	AVG	

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

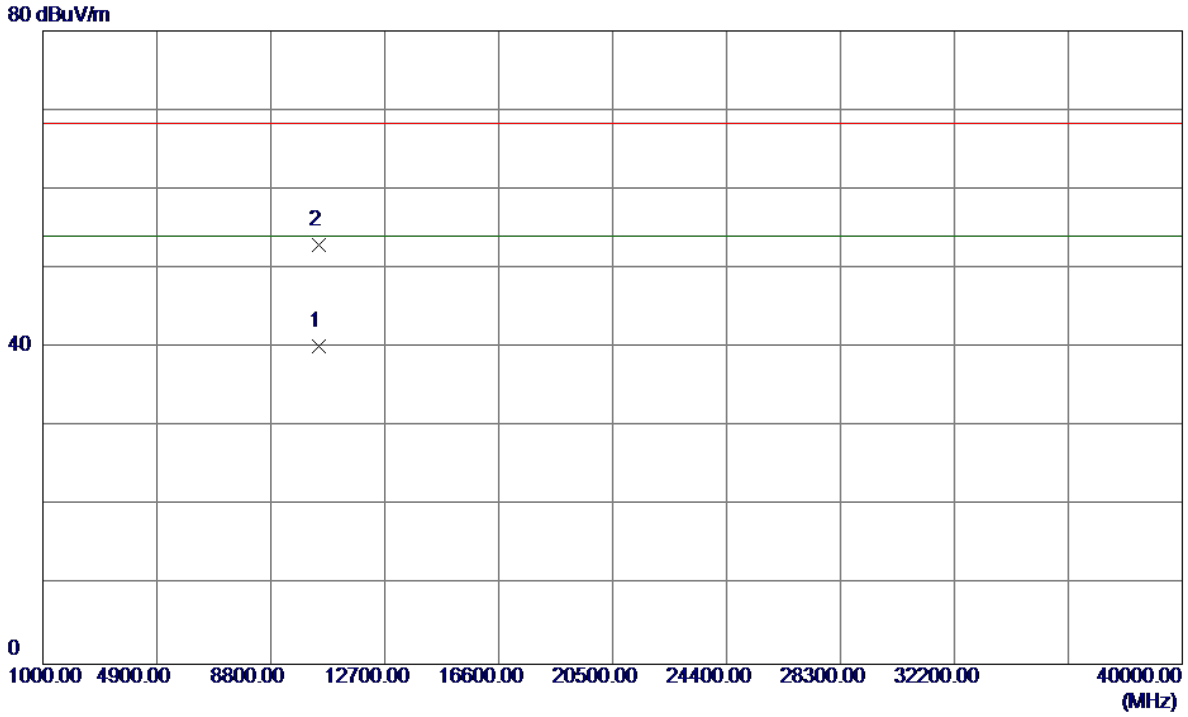
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5225.2000	55.72	39.25	94.97	68.30	26.67	Peak	No Limit
2	5228.0000	42.10	39.26	81.36	54.00	27.36	AVG	No Limit

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

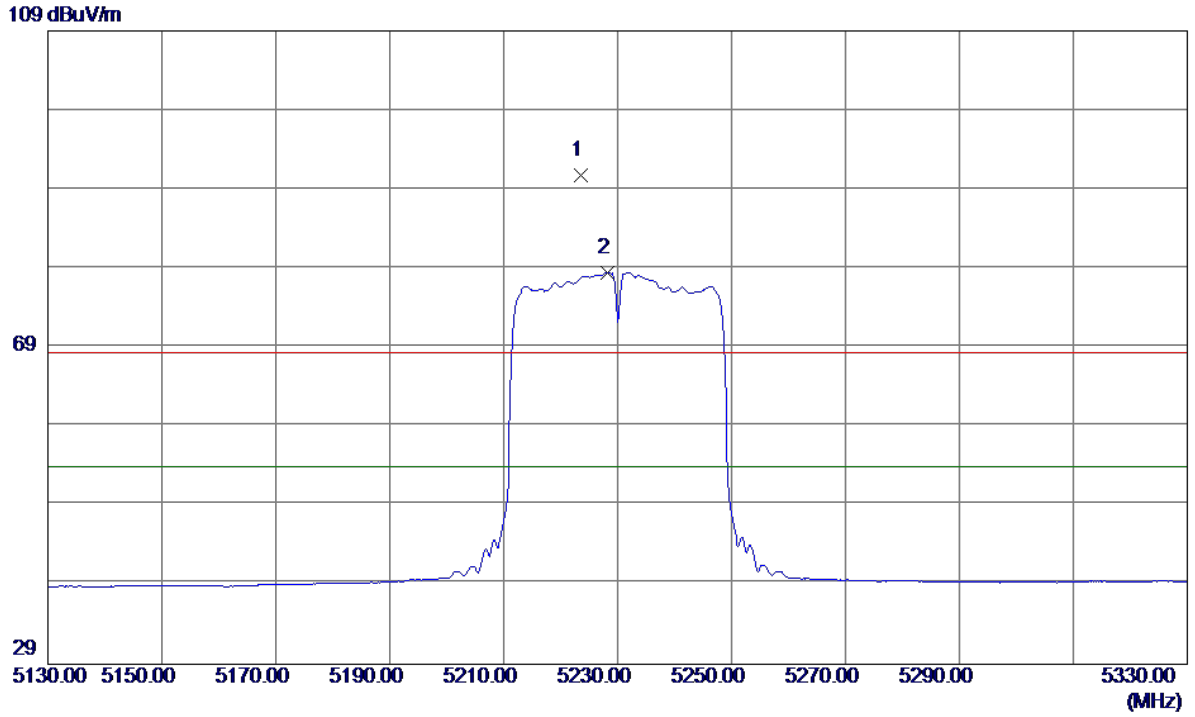
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10459.9700	29.21	10.97	40.18	54.00	-13.82	AVG	
2	10460.0100	41.95	10.97	52.92	68.30	-15.38	Peak	

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

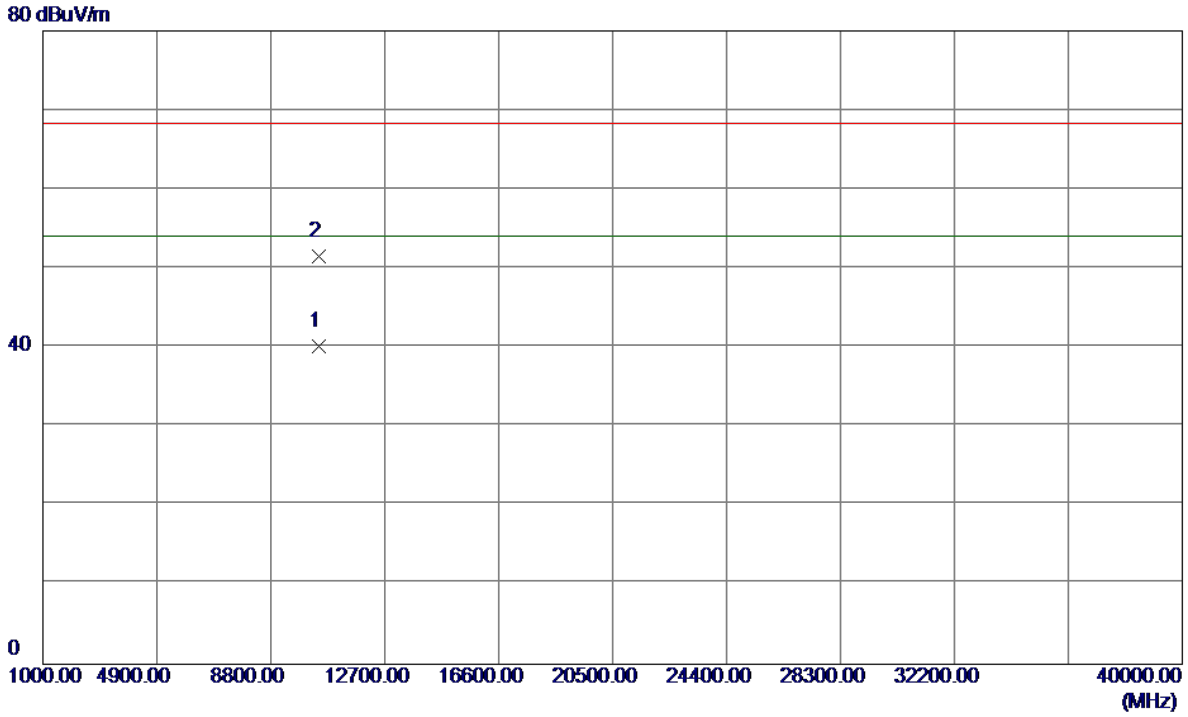
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5223.6000	51.46	39.24	90.70	68.30	22.40	Peak	No Limit
2	5228.2000	39.24	39.26	78.50	54.00	24.50	AVG	No Limit

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

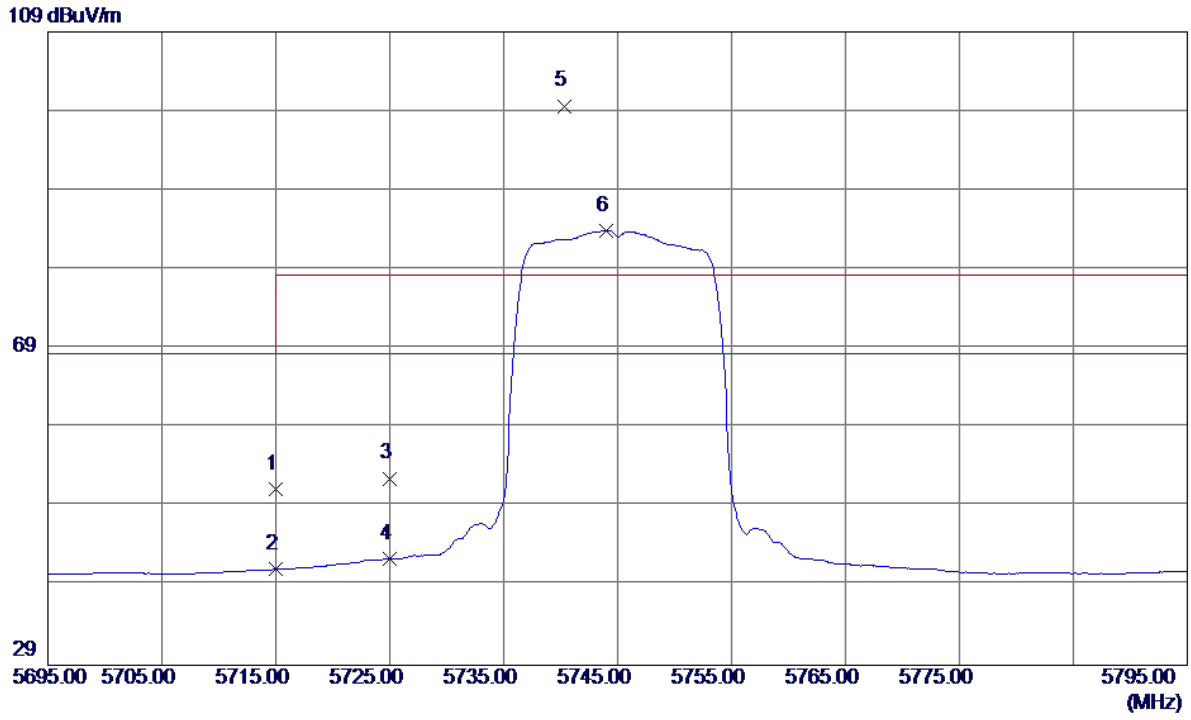
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10459.8800	29.20	10.97	40.17	54.00	-13.83	AVG	
2	10459.9500	40.57	10.97	51.54	68.30	-16.76	Peak	

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

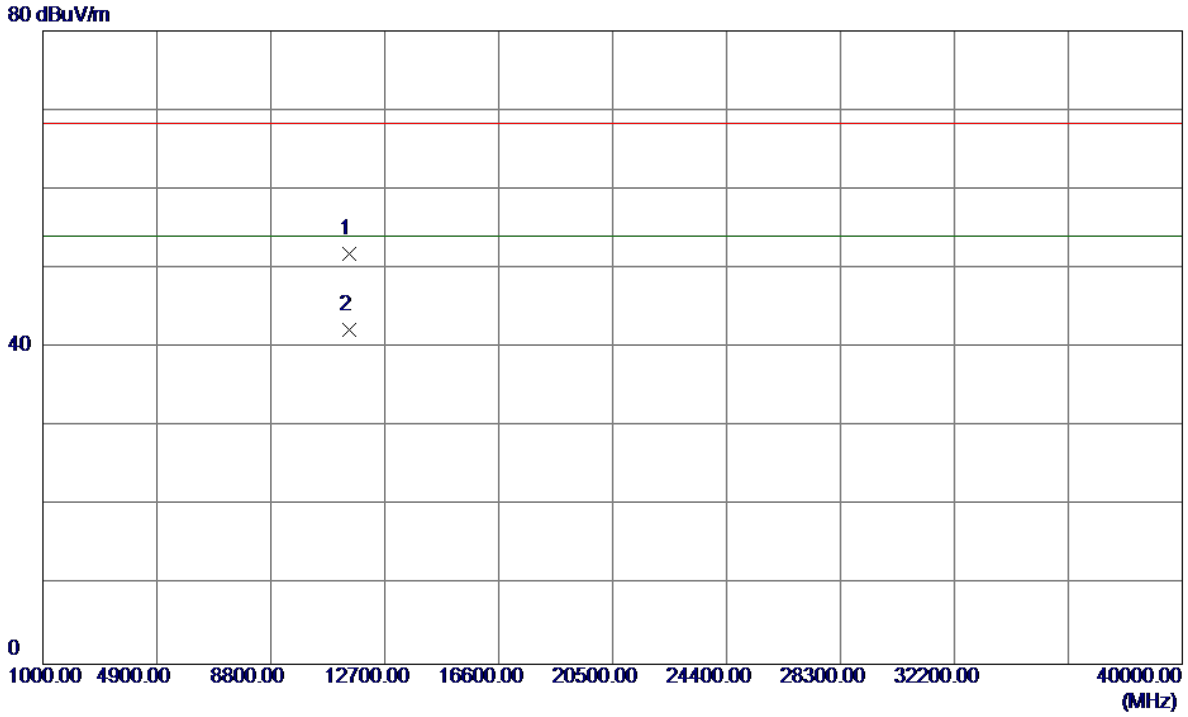
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	10.25	41.05	51.30	68.30	-17.00	Peak	
2	5715.0000	0.04	41.05	41.09	68.30	-27.21	AVG	
3	5725.0000	11.50	41.10	52.60	78.30	-25.70	Peak	
4	5725.0000	1.28	41.10	42.38	68.30	-25.92	AVG	
5	5740.3000	58.48	41.16	99.64	78.30	21.34	Peak	No Limit
6	5744.0000	42.74	41.18	83.92	68.30	15.62	AVG	No Limit

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

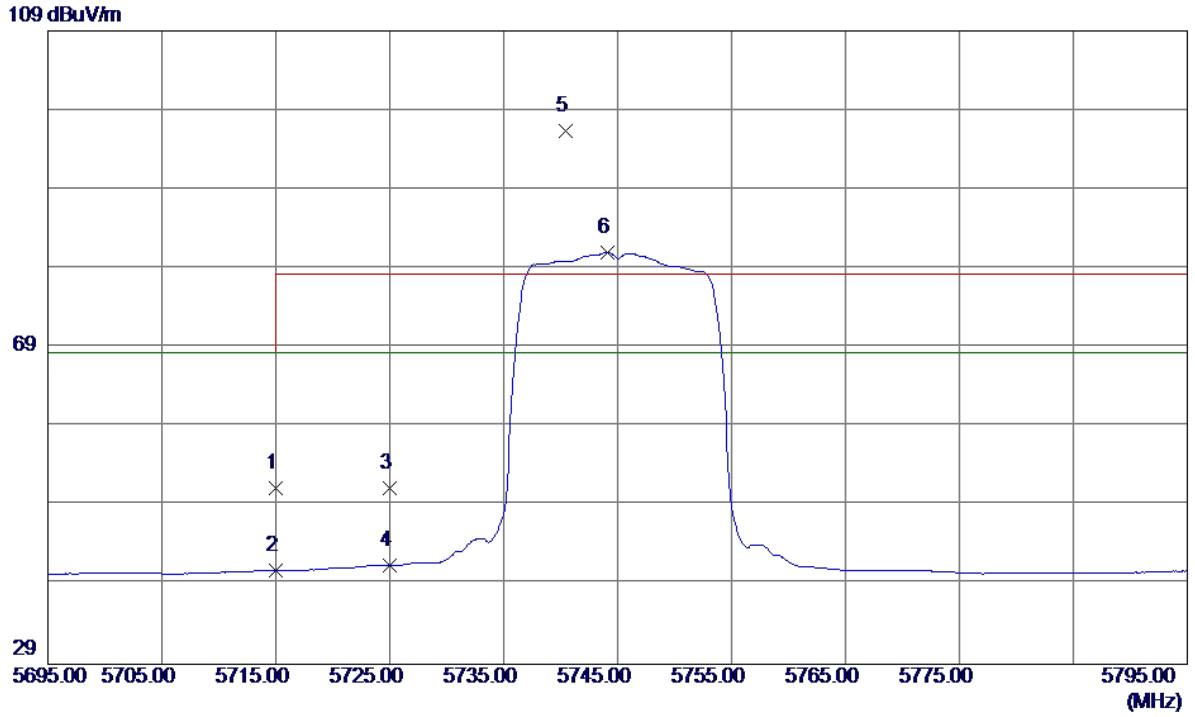
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.1900	39.00	12.91	51.91	68.30	-16.39	Peak	
2	11490.1900	29.32	12.91	42.23	54.00	-11.77	AVG	

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

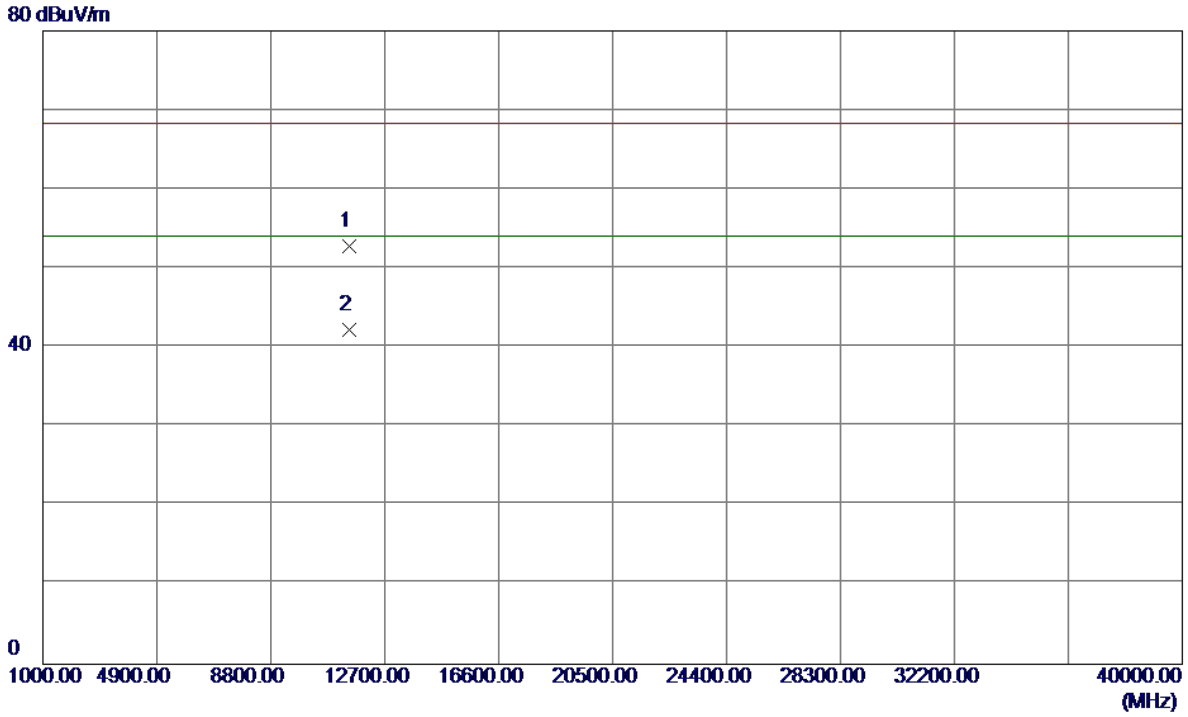
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	10.26	41.05	51.31	68.30	-16.99	Peak	
2	5715.0000	-0.25	41.05	40.80	68.30	-27.50	AVG	
3	5725.0000	10.11	41.10	51.21	78.30	-27.09	Peak	
4	5725.0000	0.39	41.10	41.49	68.30	-26.81	AVG	
5	5740.4000	55.13	41.16	96.29	78.30	17.99	Peak	No Limit
6	5744.1000	39.80	41.18	80.98	68.30	12.68	AVG	No Limit

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

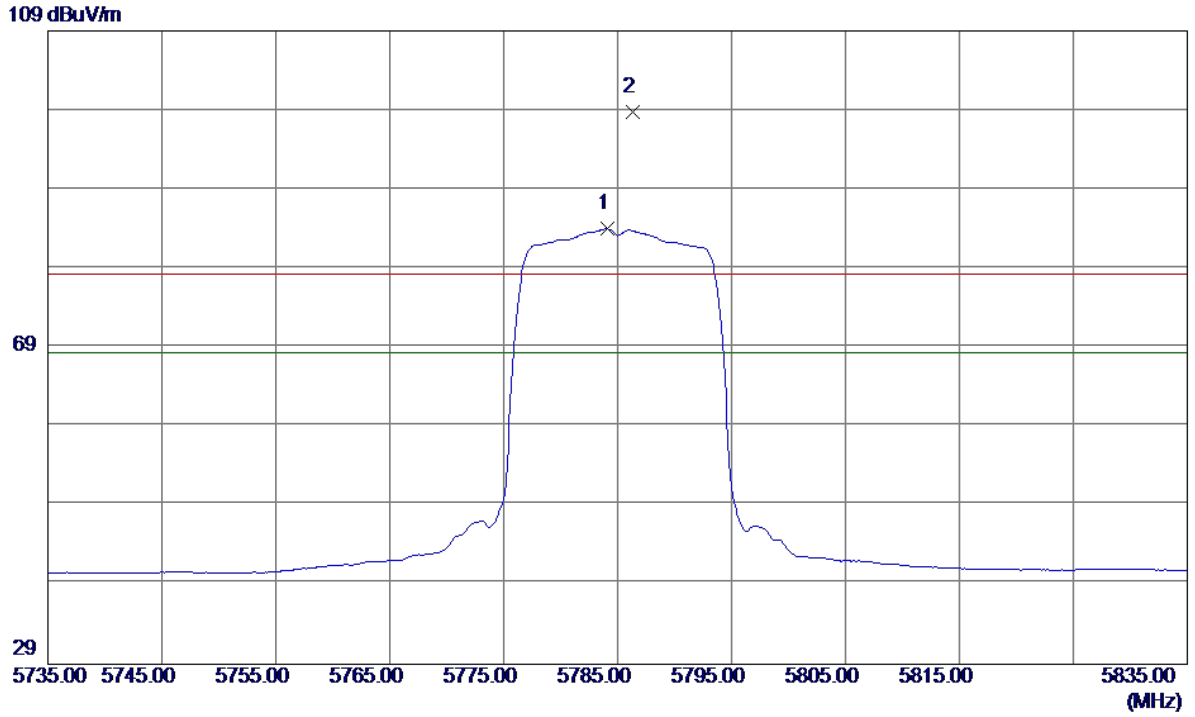
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.0000	39.84	12.91	52.75	68.30	-15.55	Peak	
2	11490.0199	29.31	12.91	42.22	54.00	-11.78	AVG	

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

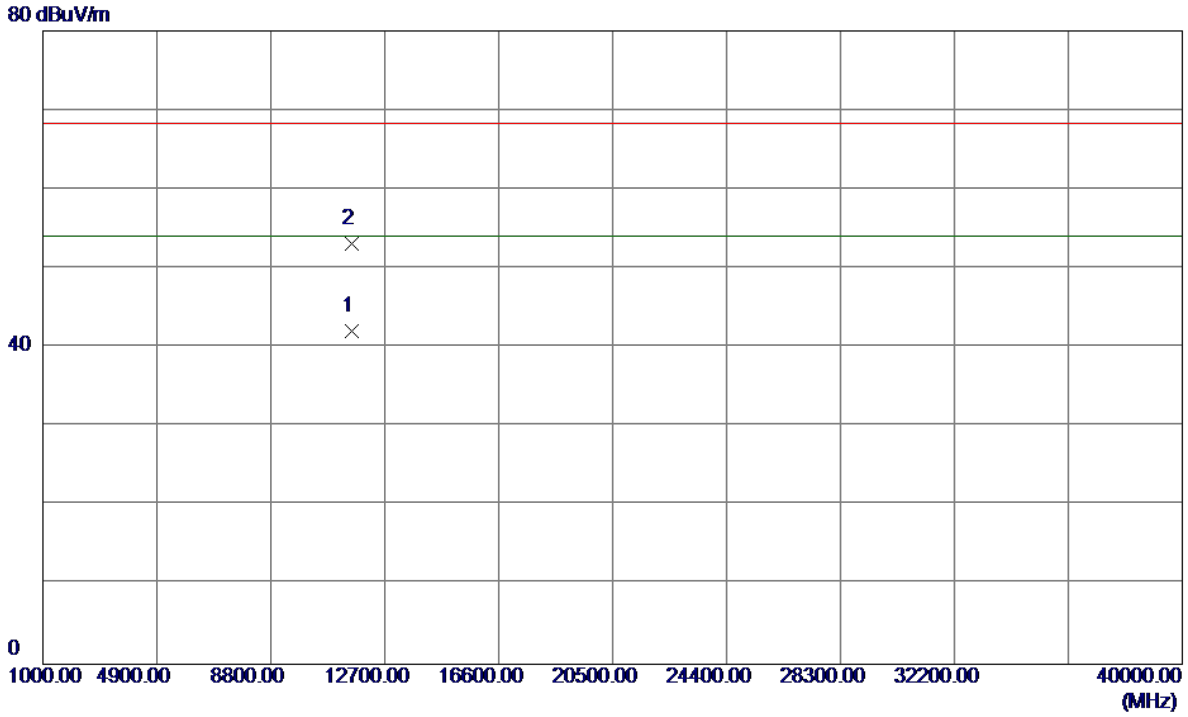
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5784.1000	42.63	41.34	83.97	68.30	15.67	AVG	No Limit
2	5786.3000	57.41	41.35	98.76	78.30	20.46	Peak	No Limit

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

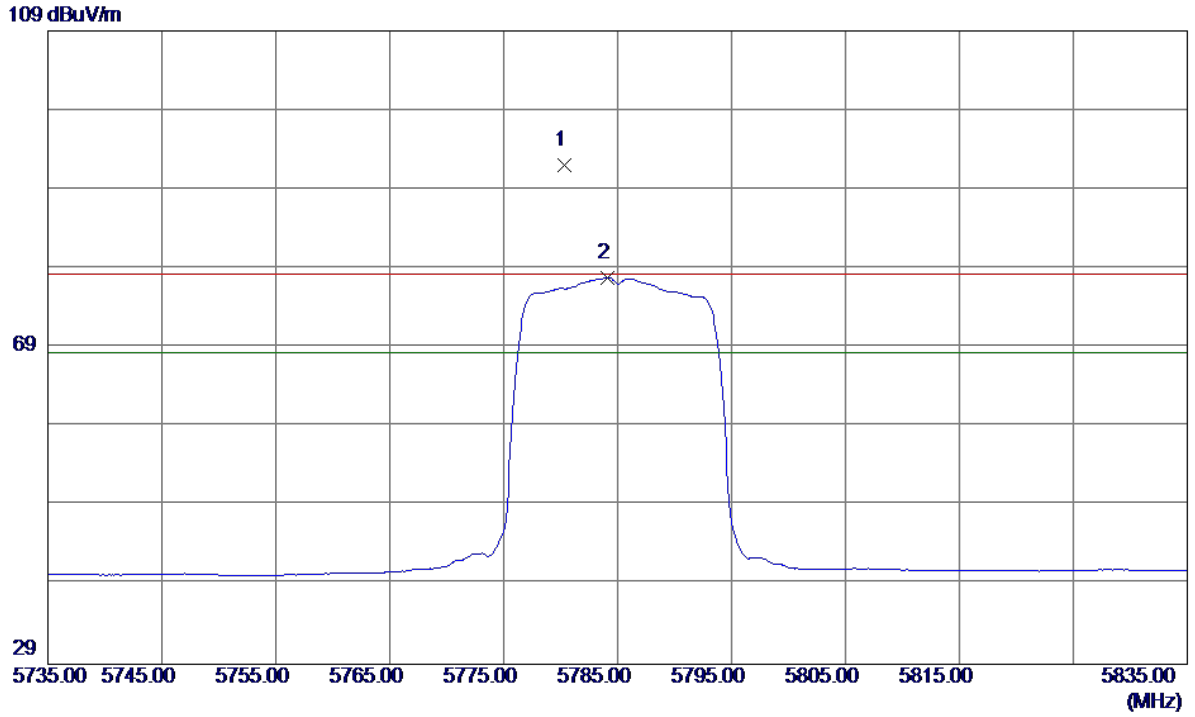
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11569.9400	29.17	12.89	42.06	54.00	-11.94	AVG	
2	11570.0800	40.24	12.89	53.13	68.30	-15.17	Peak	

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

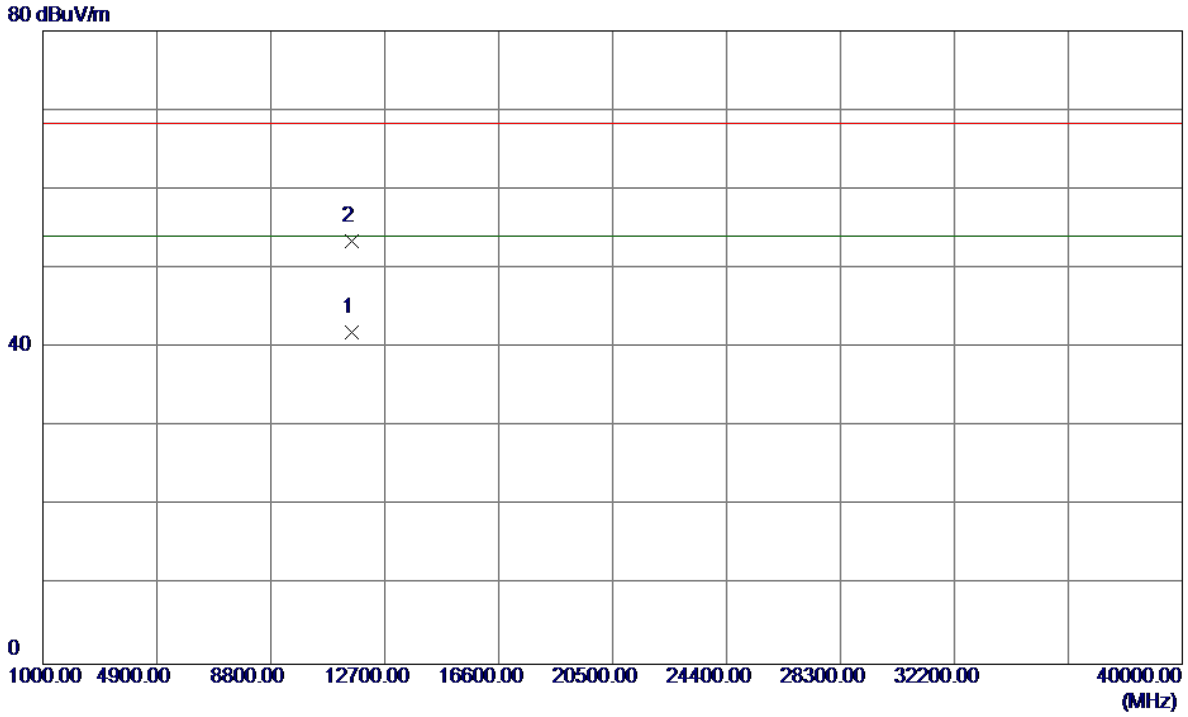
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5780.3000	50.72	41.33	92.05	78.30	13.75	Peak	No Limit
2	5784.1000	36.49	41.34	77.83	68.30	9.53	AVG	No Limit

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

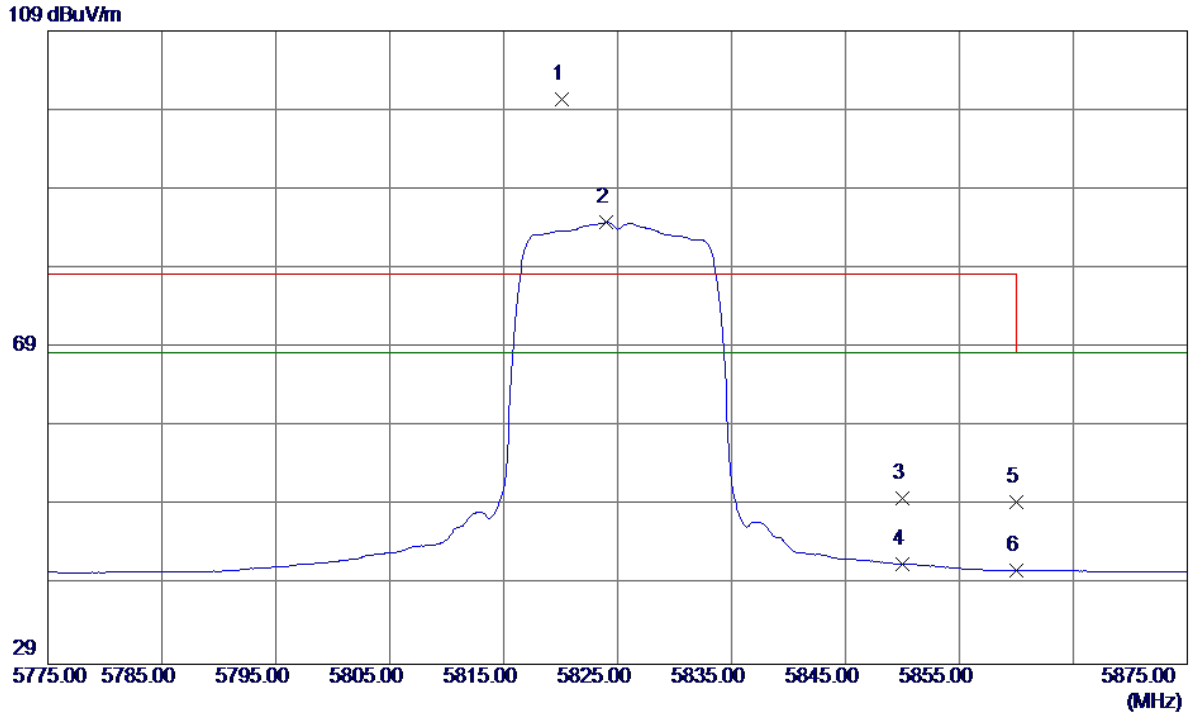
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.0500	29.10	12.89	41.99	54.00	-12.01	AVG	
2	11570.0900	40.61	12.89	53.50	68.30	-14.80	Peak	

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

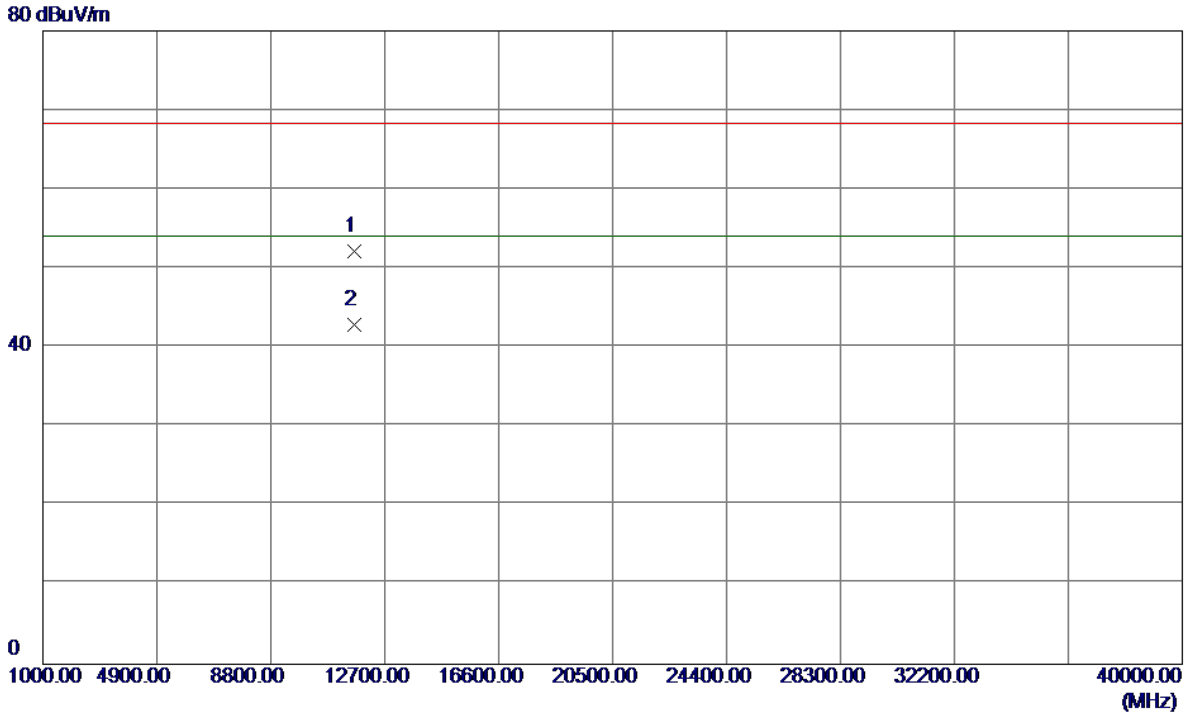
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5820.1000	58.81	41.49	100.30	78.30	22.00	Peak	No Limit
2	5824.0000	43.28	41.51	84.79	68.30	16.49	AVG	No Limit
3	5850.0000	8.35	41.62	49.97	78.30	-28.33	Peak	
4	5850.0000	0.06	41.62	41.68	68.30	-26.62	AVG	
5	5860.0000	7.84	41.66	49.50	78.30	-28.80	Peak	
6	5860.0000	-0.85	41.66	40.81	68.30	-27.49	AVG	

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

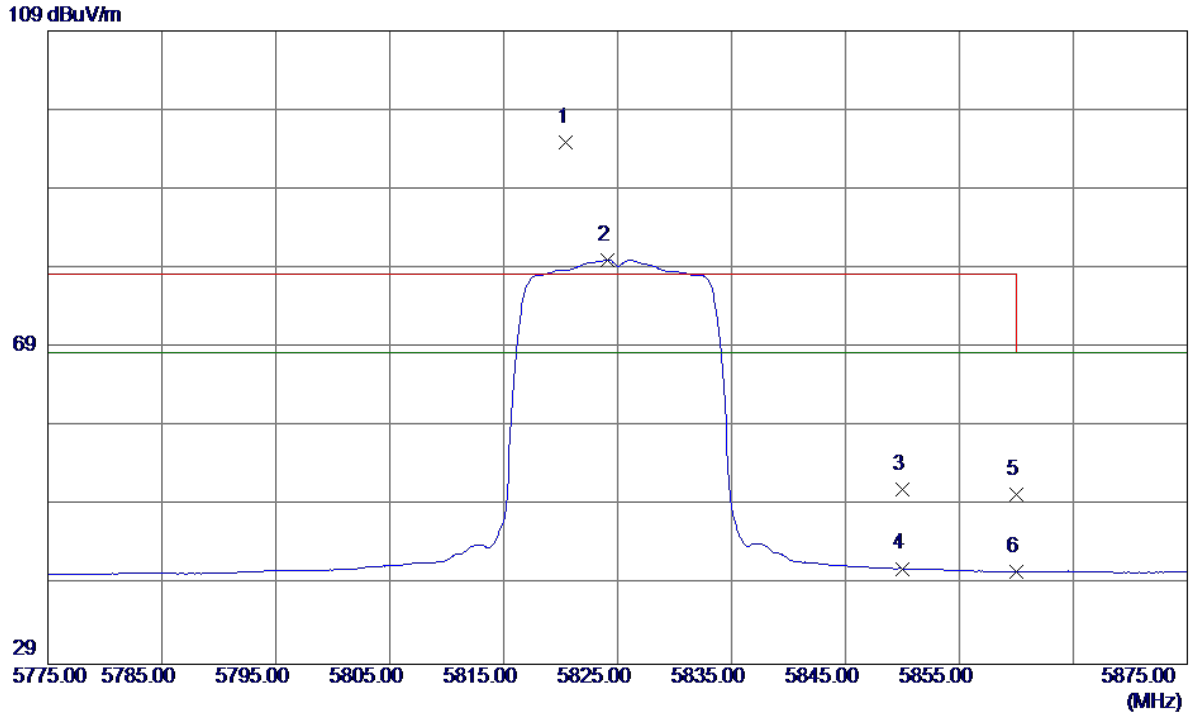
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.0500	39.30	12.84	52.14	68.30	-16.16	Peak	
2	11650.0500	30.02	12.84	42.86	54.00	-11.14	AVG	

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

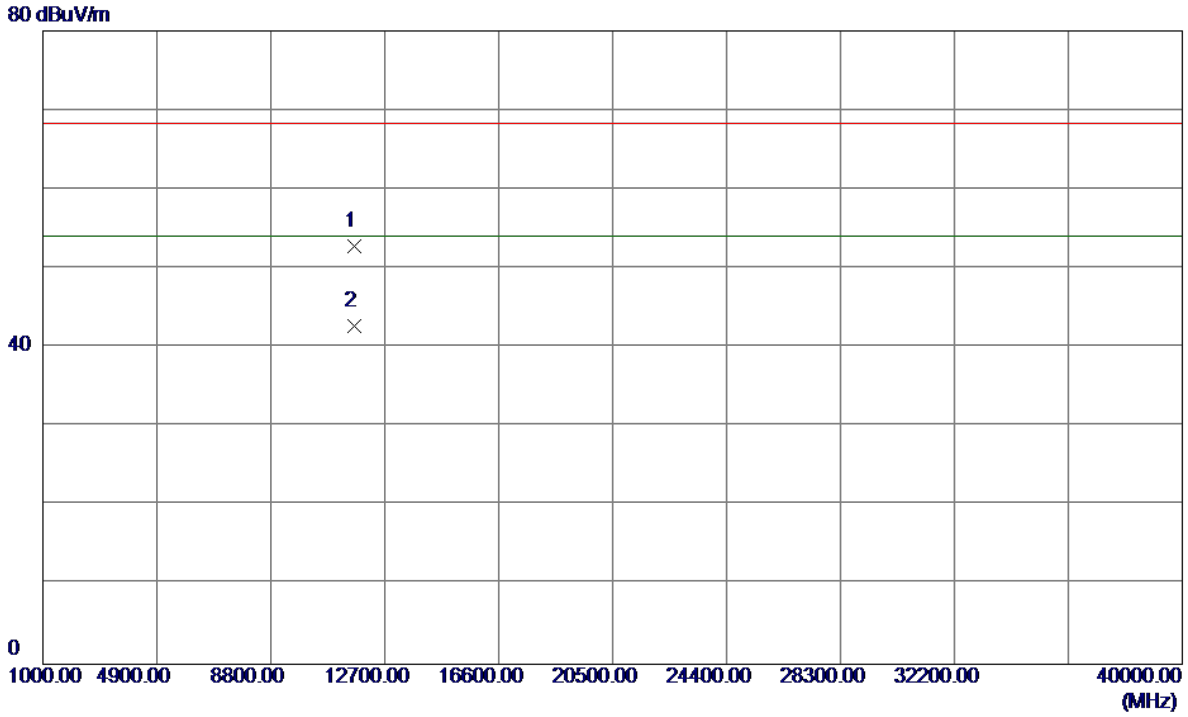
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5820.5000	53.37	41.49	94.86	78.30	16.56	Peak	No Limit
2	5824.1000	38.56	41.51	80.07	68.30	11.77	AVG	No Limit
3	5850.0000	9.53	41.62	51.15	78.30	-27.15	Peak	
4	5850.0000	-0.54	41.62	41.08	68.30	-27.22	AVG	
5	5860.0000	8.79	41.66	50.45	78.30	-27.85	Peak	
6	5860.0000	-1.03	41.66	40.63	68.30	-27.67	AVG	

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

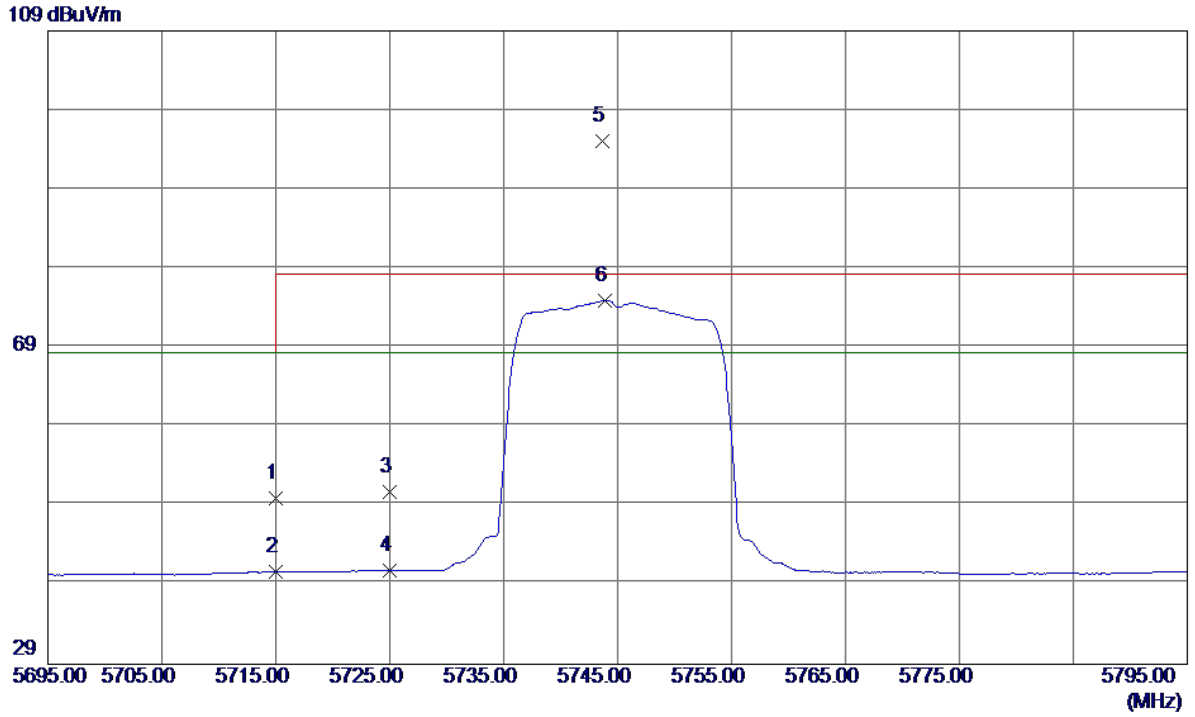
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.0400	39.96	12.84	52.80	68.30	-15.50	Peak	
2	11650.0400	29.81	12.84	42.65	54.00	-11.35	AVG	

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

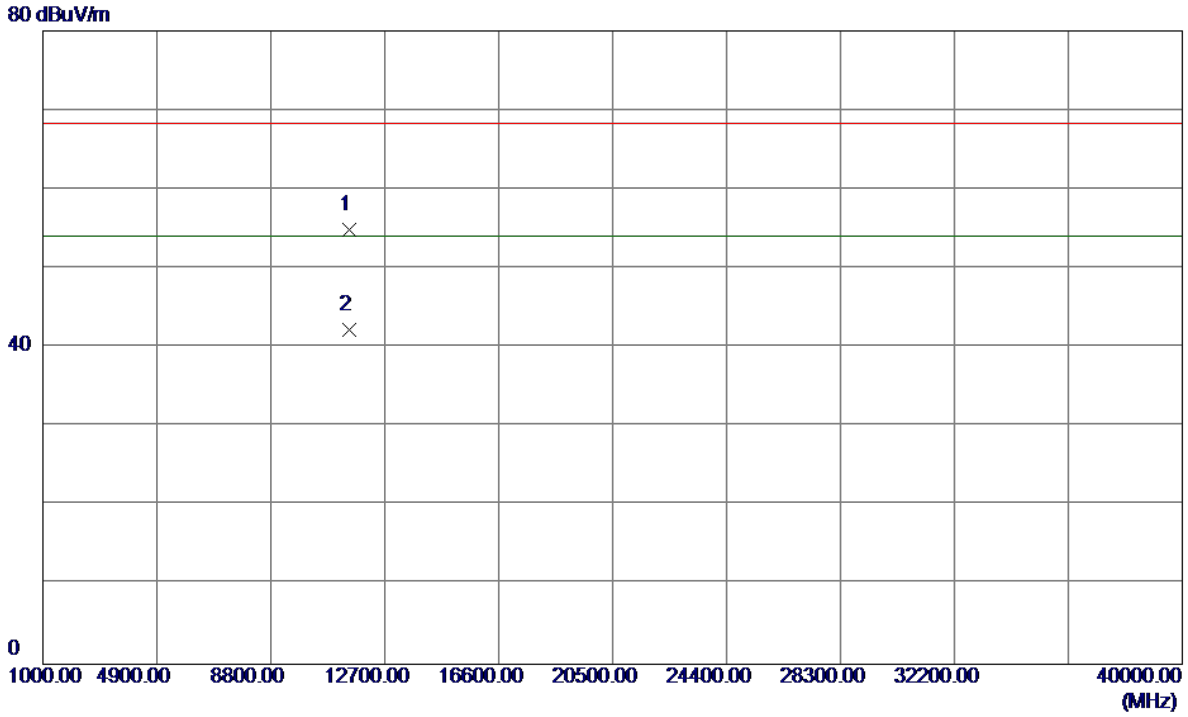
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	8.97	41.05	50.02	68.30	-18.28	Peak	
2	5715.0000	-0.41	41.05	40.64	68.30	-27.66	AVG	
3	5725.0000	9.68	41.10	50.78	78.30	-27.52	Peak	
4	5725.0000	-0.20	41.10	40.90	68.30	-27.40	AVG	
5	5743.7000	53.90	41.17	95.07	78.30	16.77	Peak	No Limit
6	5743.9000	33.81	41.17	74.98	68.30	6.68	AVG	No Limit

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

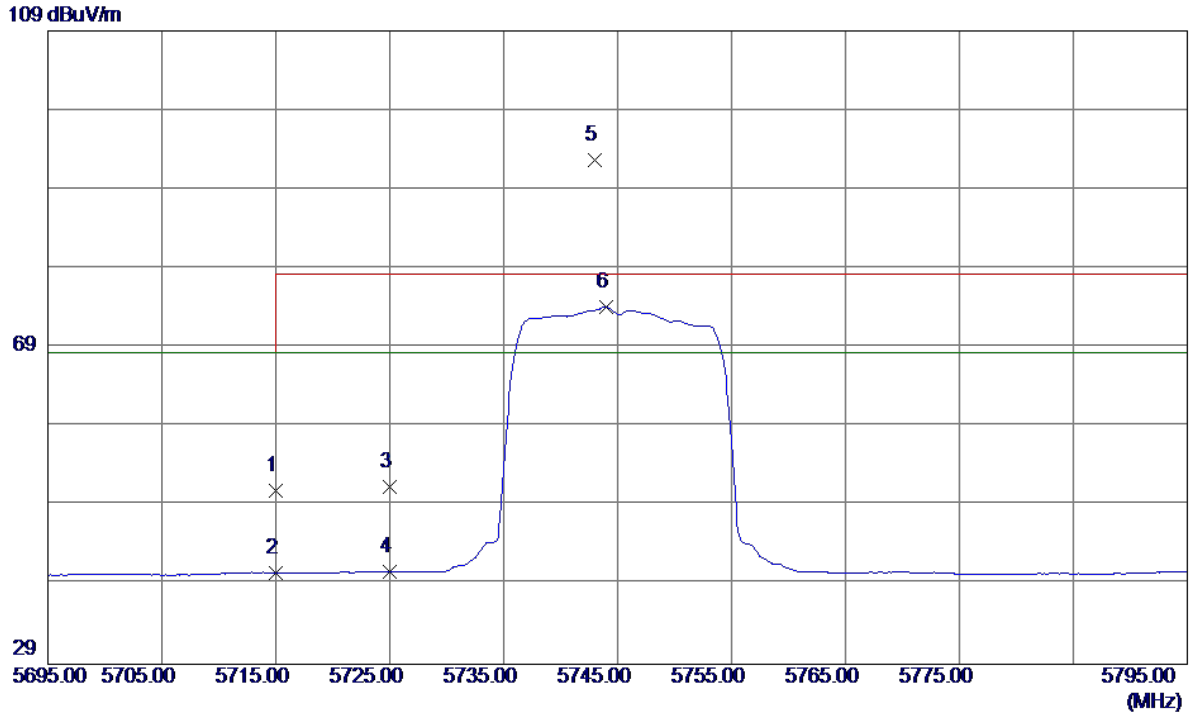
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11489.8500	41.94	12.91	54.85	68.30	-13.45	Peak	
2	11490.0100	29.27	12.91	42.18	54.00	-11.82	AVG	

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

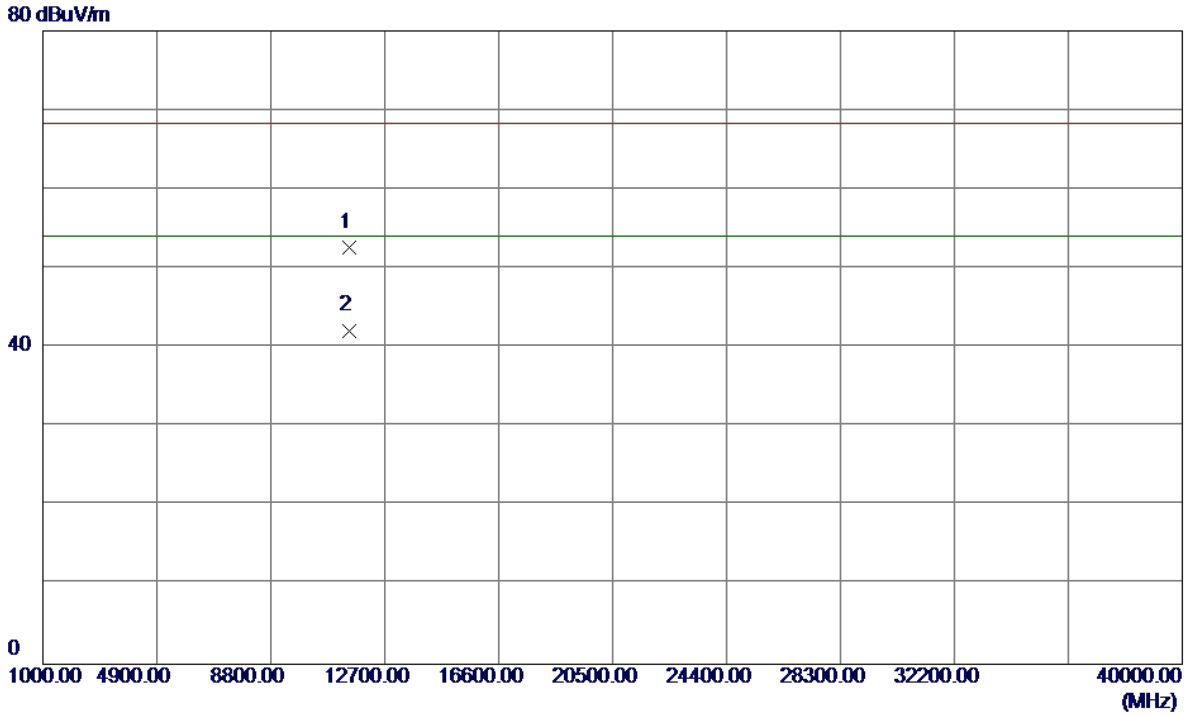
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	9.93	41.05	50.98	68.30	-17.32	Peak	
2	5715.0000	-0.49	41.05	40.56	68.30	-27.74	AVG	
3	5725.0000	10.35	41.10	51.45	78.30	-26.85	Peak	
4	5725.0000	-0.39	41.10	40.71	68.30	-27.59	AVG	
5	5743.0000	51.47	41.17	92.64	78.30	14.34	Peak	No Limit
6	5744.0000	32.90	41.18	74.08	68.30	5.78	AVG	No Limit

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

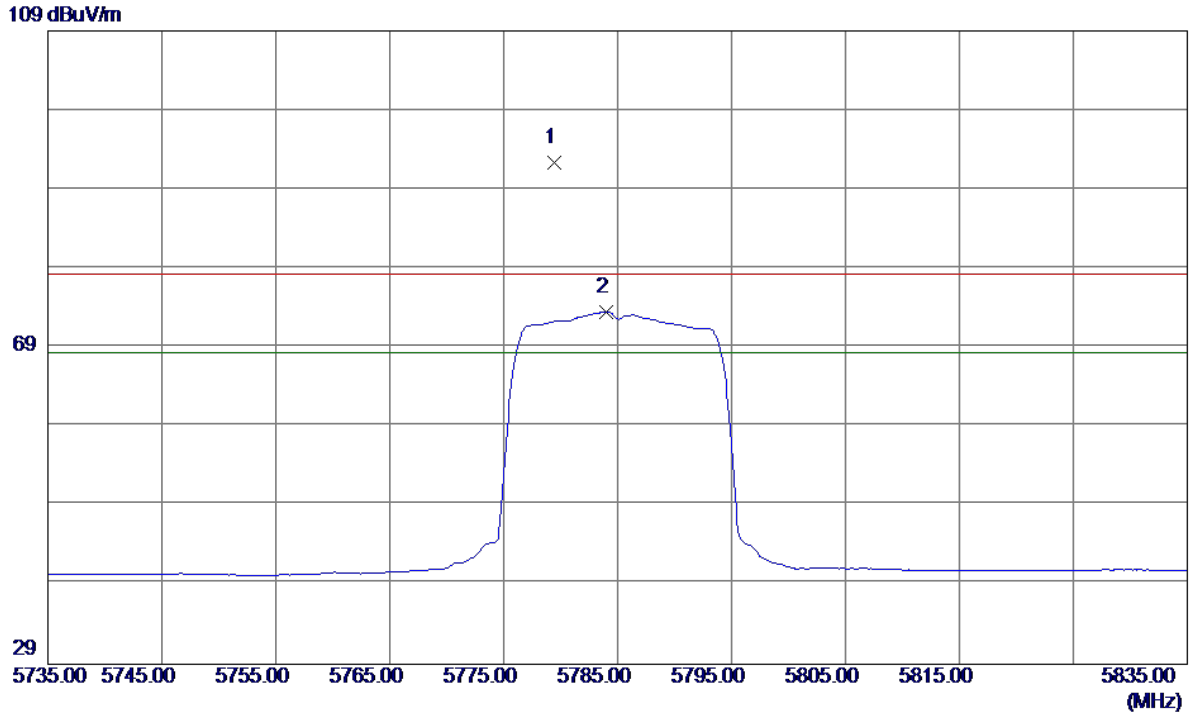
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.0700	39.76	12.91	52.67	68.30	-15.63	Peak	
2	11490.0700	29.25	12.91	42.16	54.00	-11.84	AVG	

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

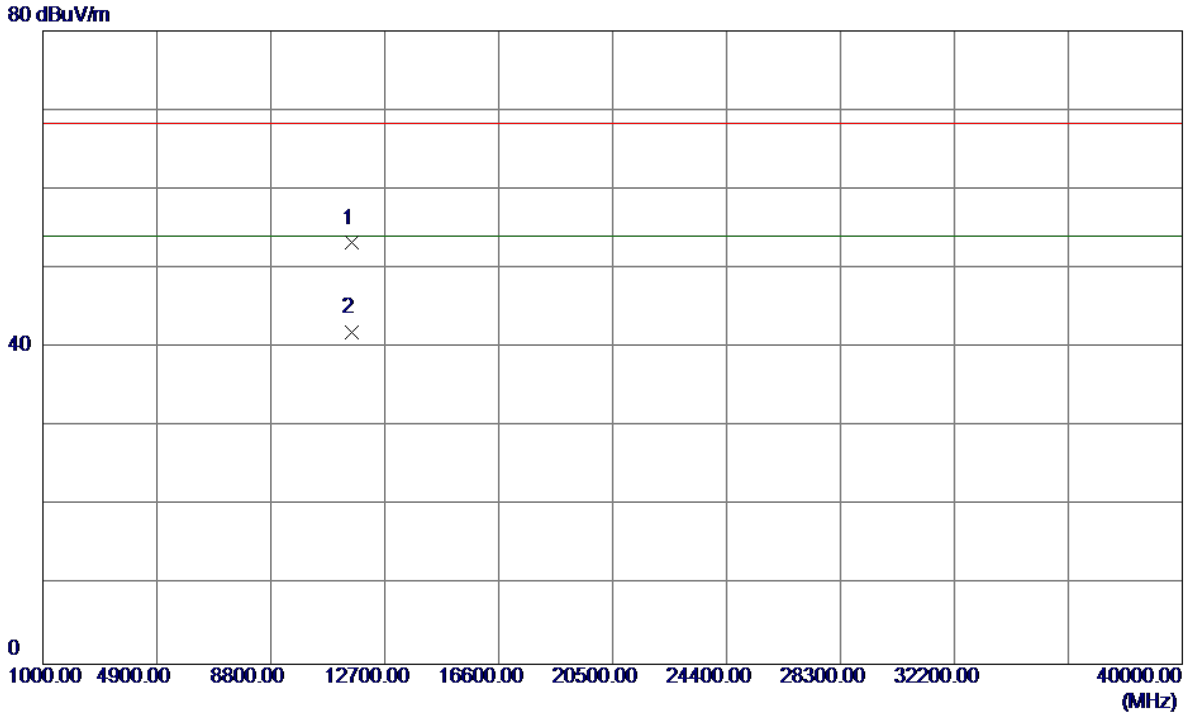
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5779.4000	51.11	41.32	92.43	78.30	14.13	Peak	No Limit
2	5784.0000	32.21	41.34	73.55	68.30	5.25	AVG	No Limit

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

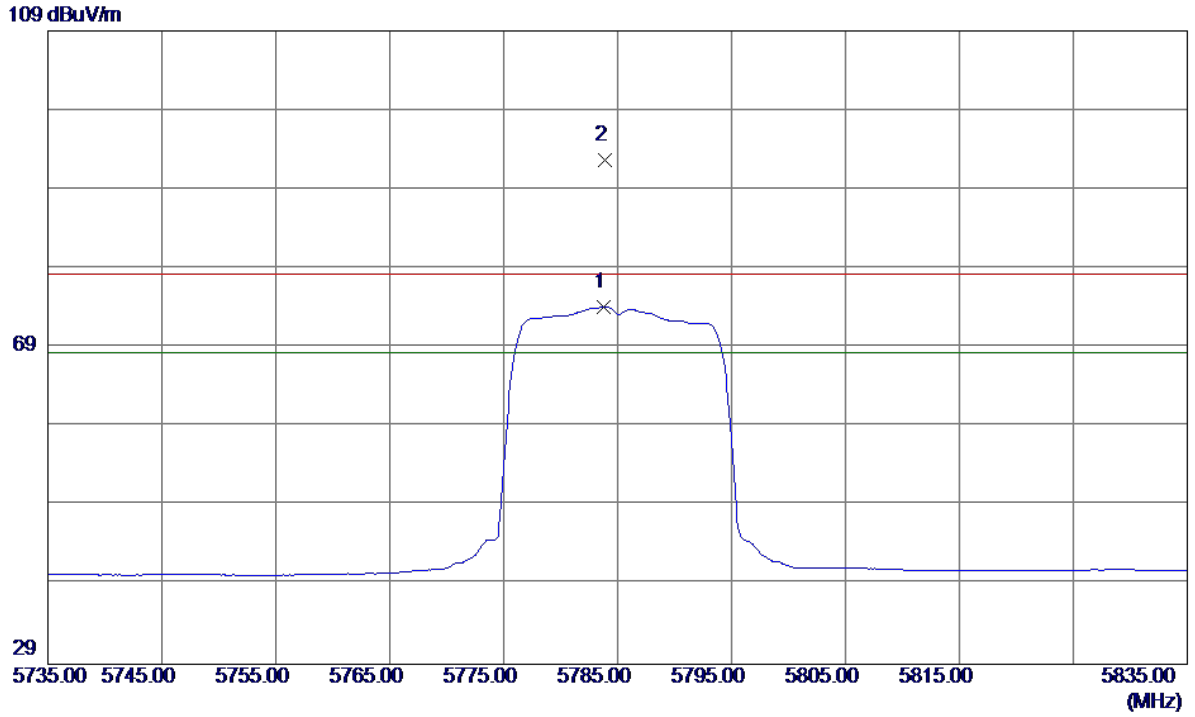
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.1300	40.31	12.89	53.20	68.30	-15.10	Peak	
2	11570.1600	29.05	12.89	41.94	54.00	-12.06	AVG	

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

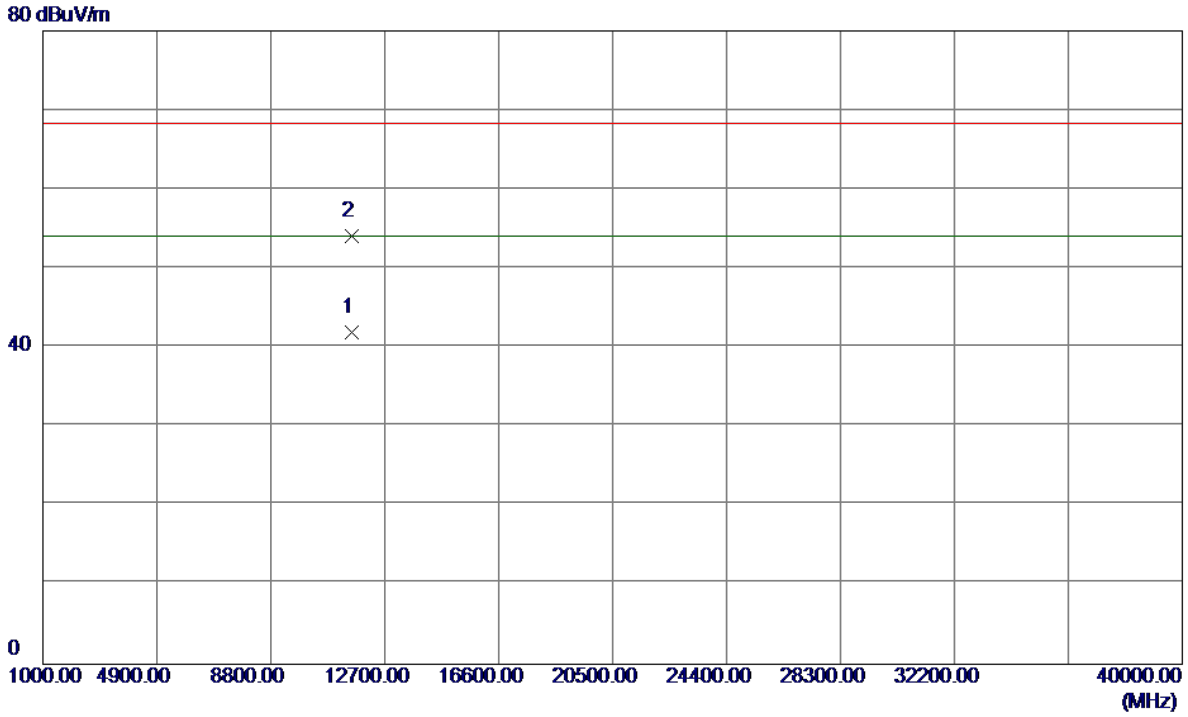
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5783.8000	32.82	41.34	74.16	68.30	5.86	AVG	No Limit
2	5783.9000	51.34	41.34	92.68	78.30	14.38	Peak	No Limit

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

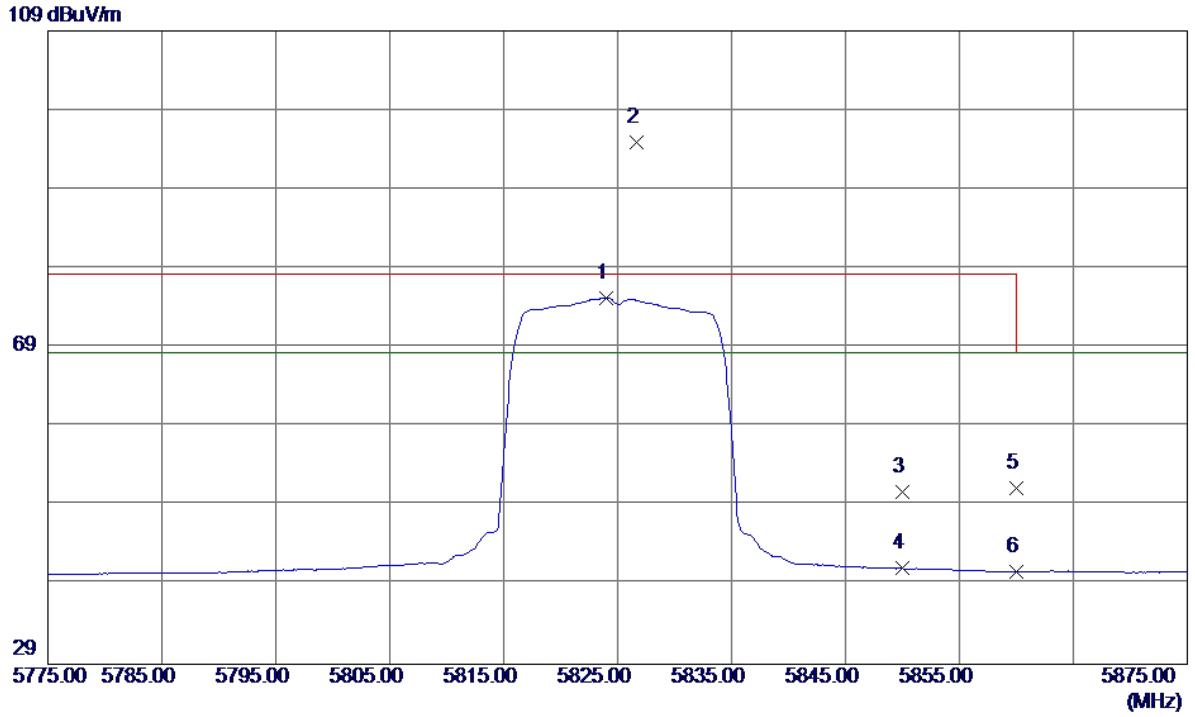
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11569.9300	29.01	12.89	41.90	54.00	-12.10	AVG	
2	11570.0599	41.16	12.89	54.05	68.30	-14.25	Peak	

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

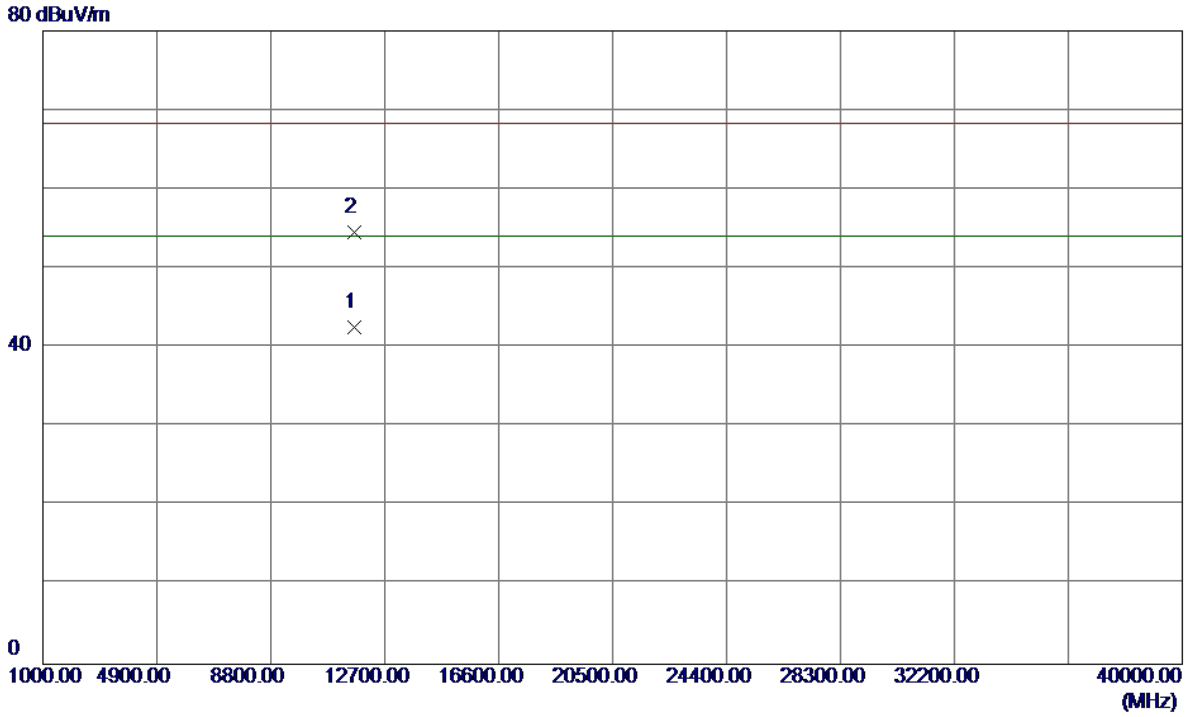
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5824.0000	33.78	41.51	75.29	68.30	6.99	AVG	No Limit
2	5826.7000	53.41	41.52	94.93	78.30	16.63	Peak	No Limit
3	5850.0000	9.15	41.62	50.77	78.30	-27.53	Peak	
4	5850.0000	-0.52	41.62	41.10	68.30	-27.20	AVG	
5	5860.0000	9.56	41.66	51.22	78.30	-27.08	Peak	
6	5860.0000	-0.96	41.66	40.70	68.30	-27.60	AVG	

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

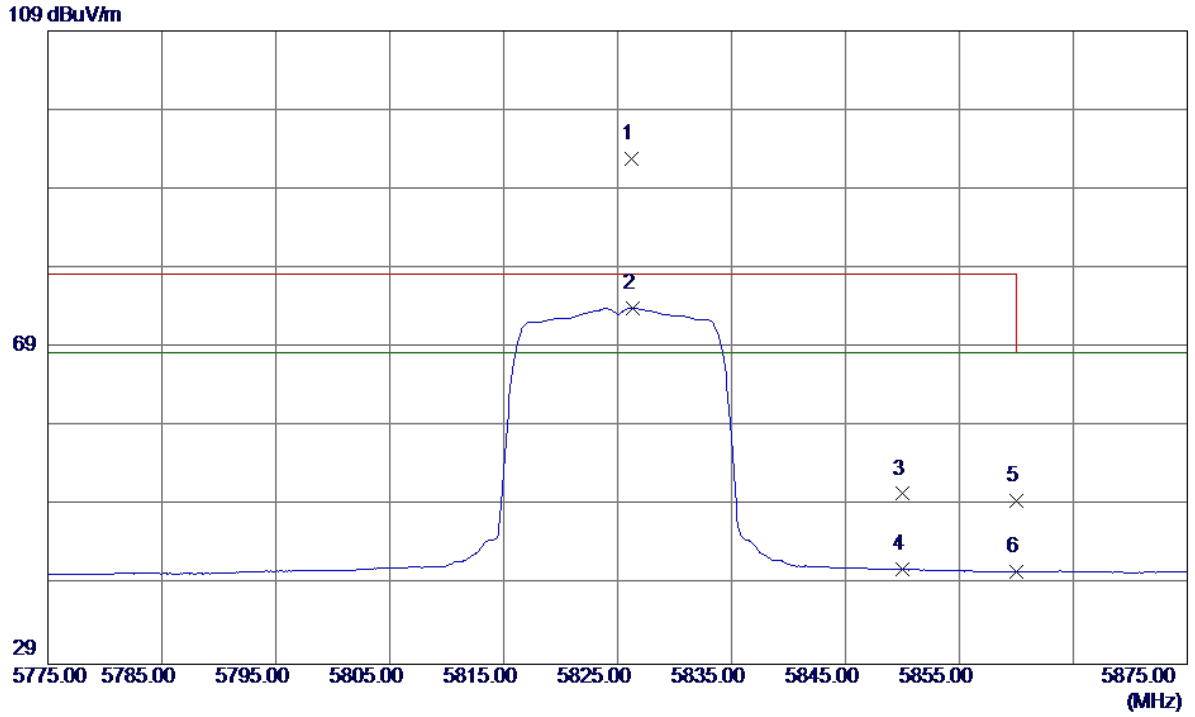
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.0900	29.65	12.84	42.49	54.00	-11.51	AVG	
2	11650.1600	41.68	12.84	54.52	68.30	-13.78	Peak	

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

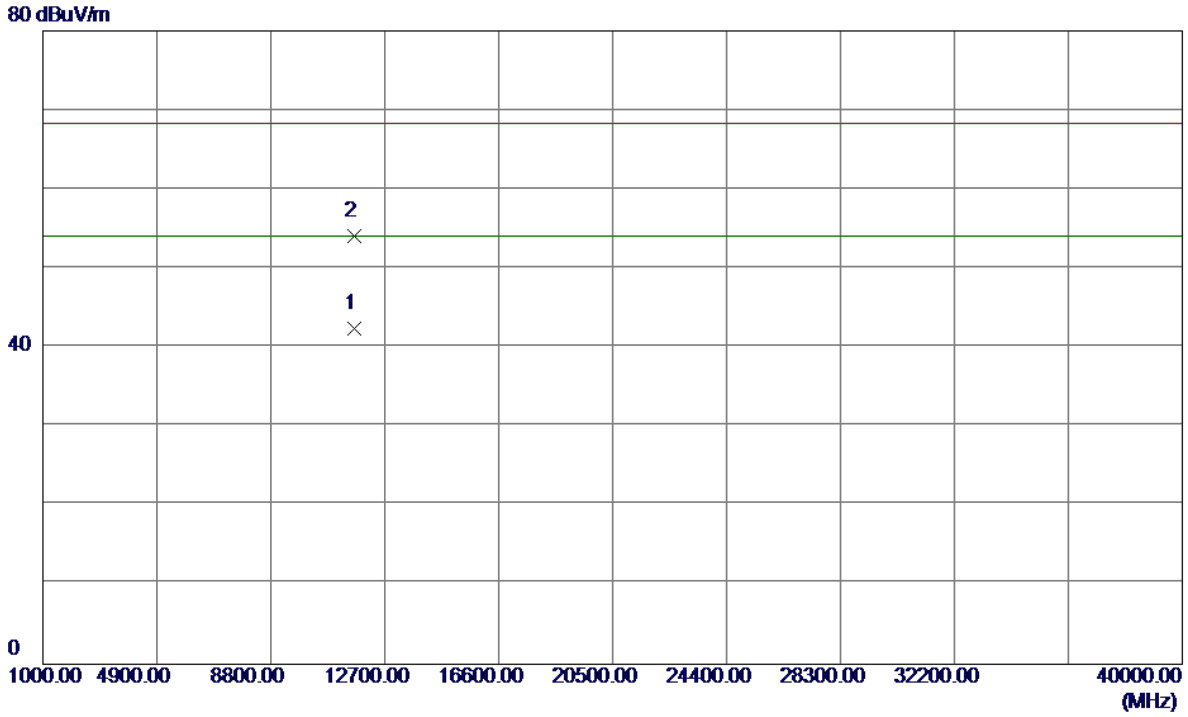
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5826.2000	51.25	41.52	92.77	78.30	14.47	Peak	No Limit
2	5826.3000	32.48	41.52	74.00	68.30	5.70	AVG	No Limit
3	5850.0000	8.90	41.62	50.52	78.30	-27.78	Peak	
4	5850.0000	-0.64	41.62	40.98	68.30	-27.32	AVG	
5	5860.0000	7.94	41.66	49.60	78.30	-28.70	Peak	
6	5860.0000	-1.02	41.66	40.64	68.30	-27.66	AVG	

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

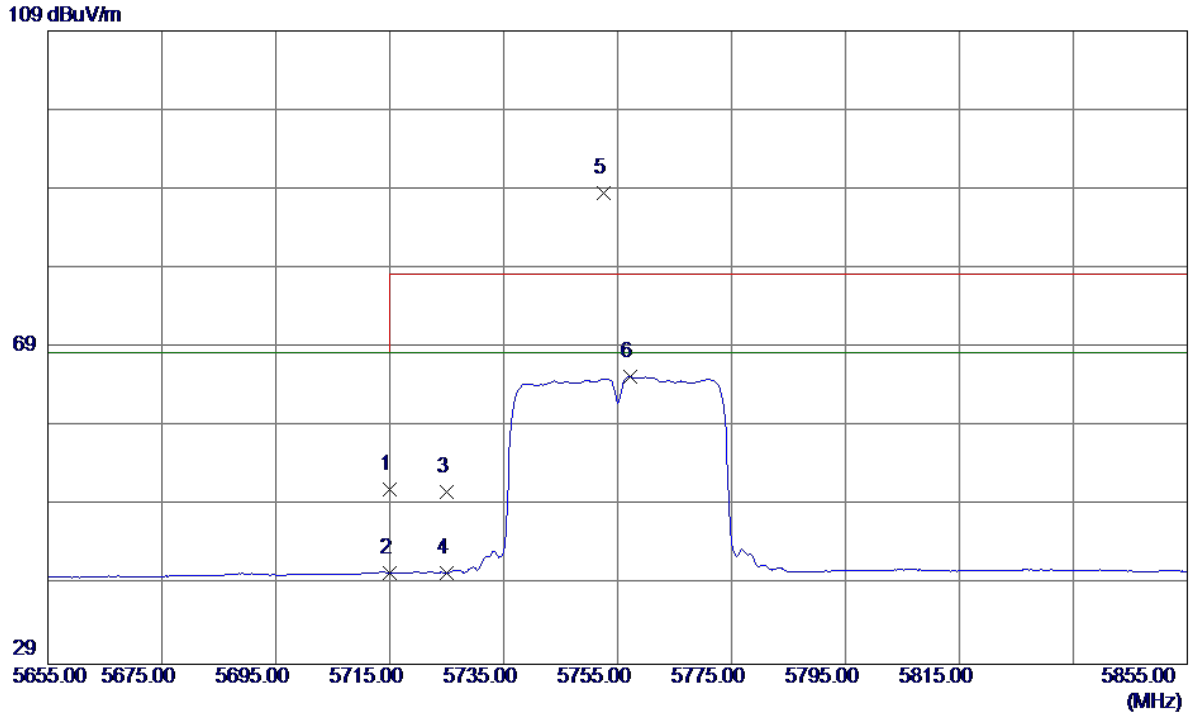
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.1600	29.63	12.84	42.47	54.00	-11.53	AVG	
2	11650.3400	41.27	12.84	54.11	68.30	-14.19	Peak	

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

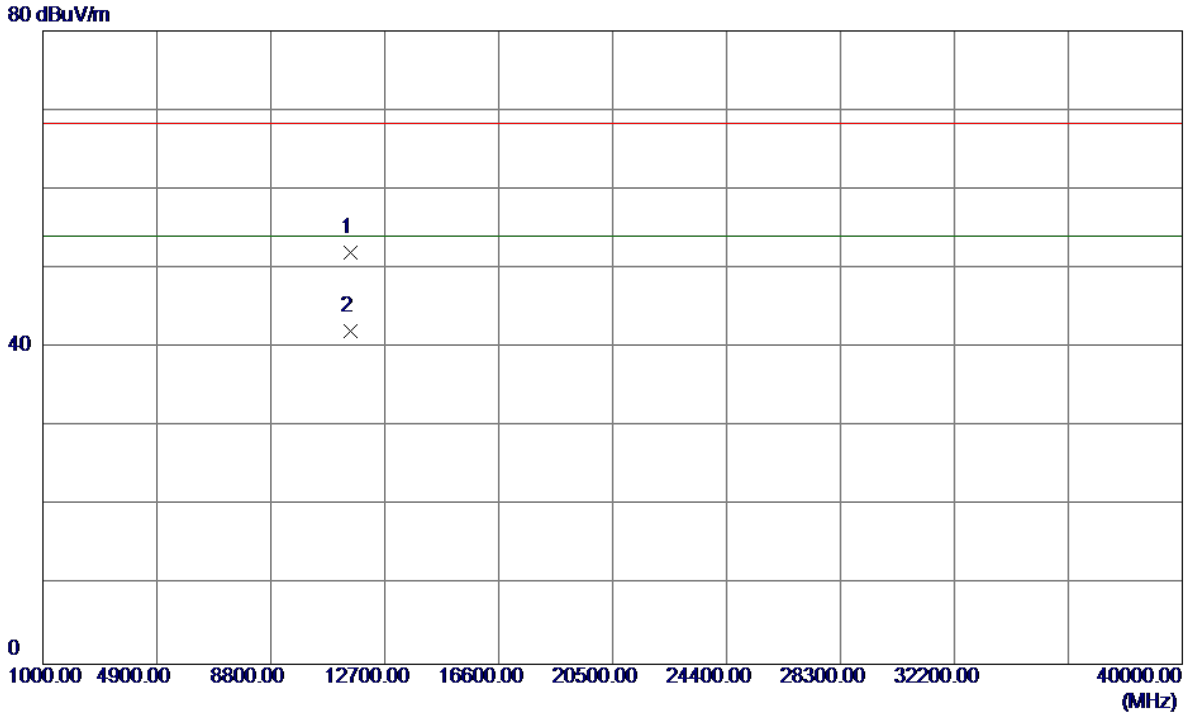
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	10.00	41.05	51.05	68.30	-17.25	Peak	
2	5715.0000	-0.46	41.05	40.59	68.30	-27.71	AVG	
3	5725.0000	9.67	41.10	50.77	78.30	-27.53	Peak	
4	5725.0000	-0.55	41.10	40.55	68.30	-27.75	AVG	
5	5752.6000	47.35	41.21	88.56	78.30	10.26	Peak	No Limit
6	5757.2000	24.10	41.23	65.33	68.30	-2.97	AVG	No Limit

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

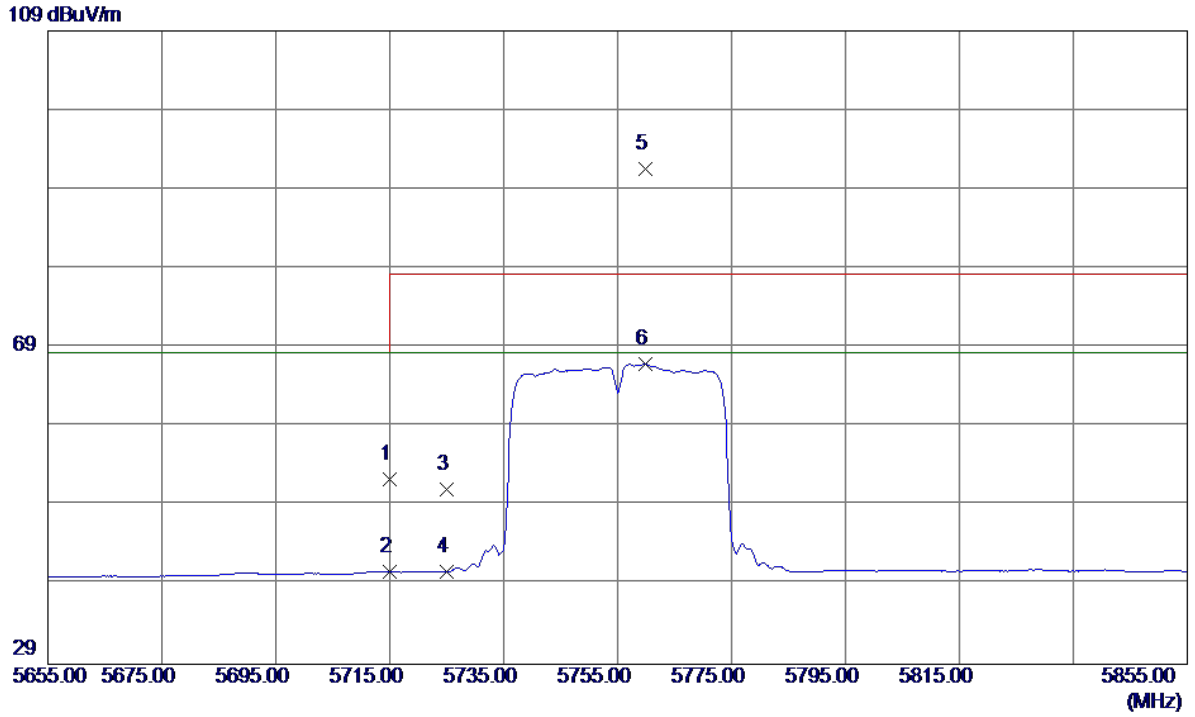
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.0400	39.00	12.93	51.93	68.30	-16.37	Peak	
2	11510.0400	29.15	12.93	42.08	54.00	-11.92	AVG	

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

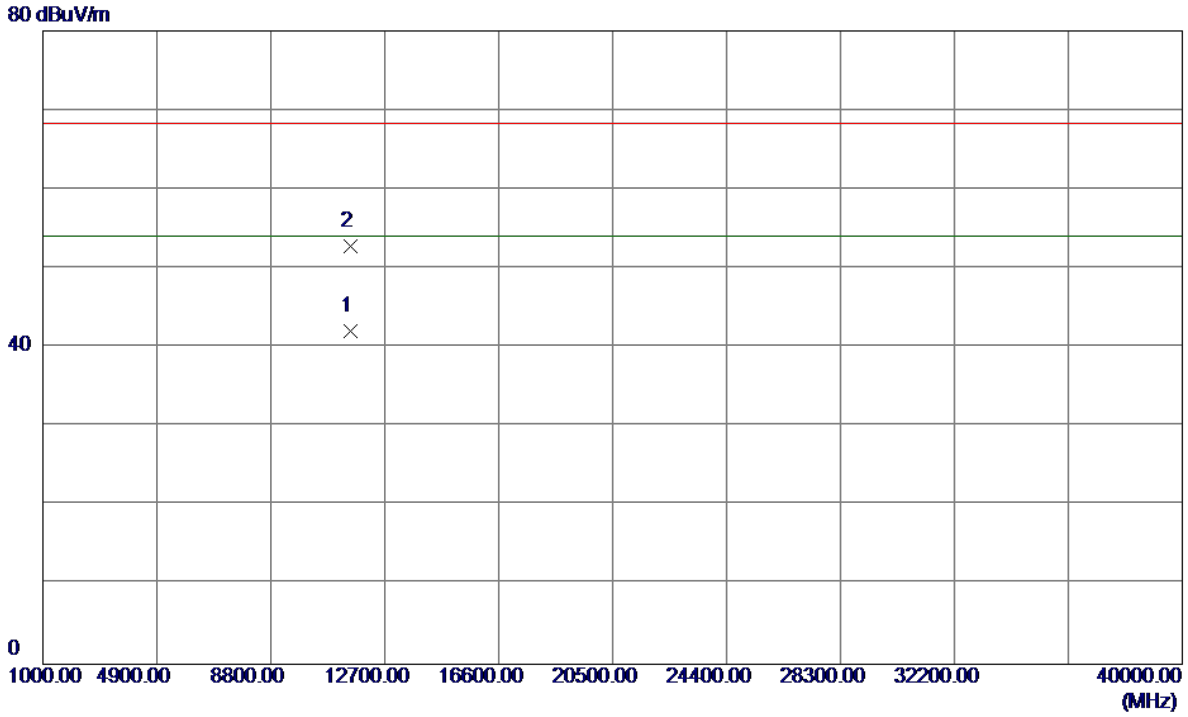
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	11.31	41.05	52.36	68.30	-15.94	Peak	
2	5715.0000	-0.39	41.05	40.66	68.30	-27.64	AVG	
3	5725.0000	9.99	41.10	51.09	78.30	-27.21	Peak	
4	5725.0000	-0.44	41.10	40.66	68.30	-27.64	AVG	
5	5759.8000	50.28	41.24	91.52	78.30	13.22	Peak	No Limit
6	5759.8000	25.68	41.24	66.92	68.30	-1.38	AVG	No Limit

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

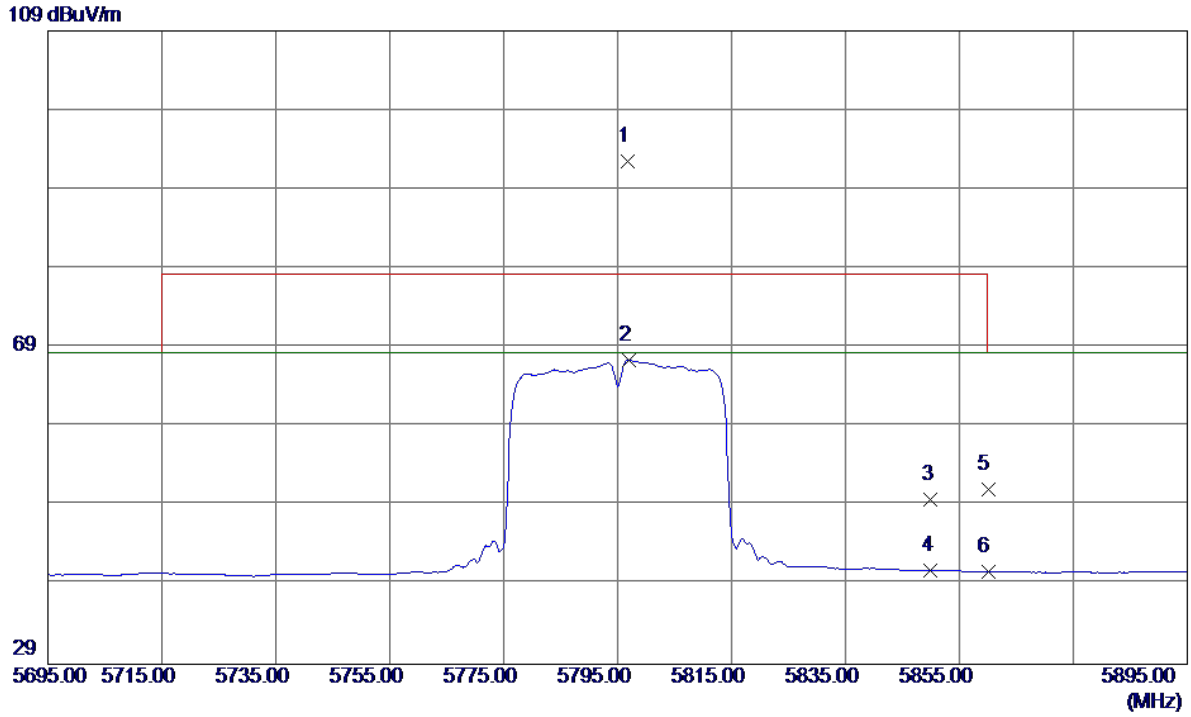
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.2900	29.14	12.93	42.07	54.00	-11.93	AVG	
2	11510.3500	39.81	12.93	52.74	68.30	-15.56	Peak	

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

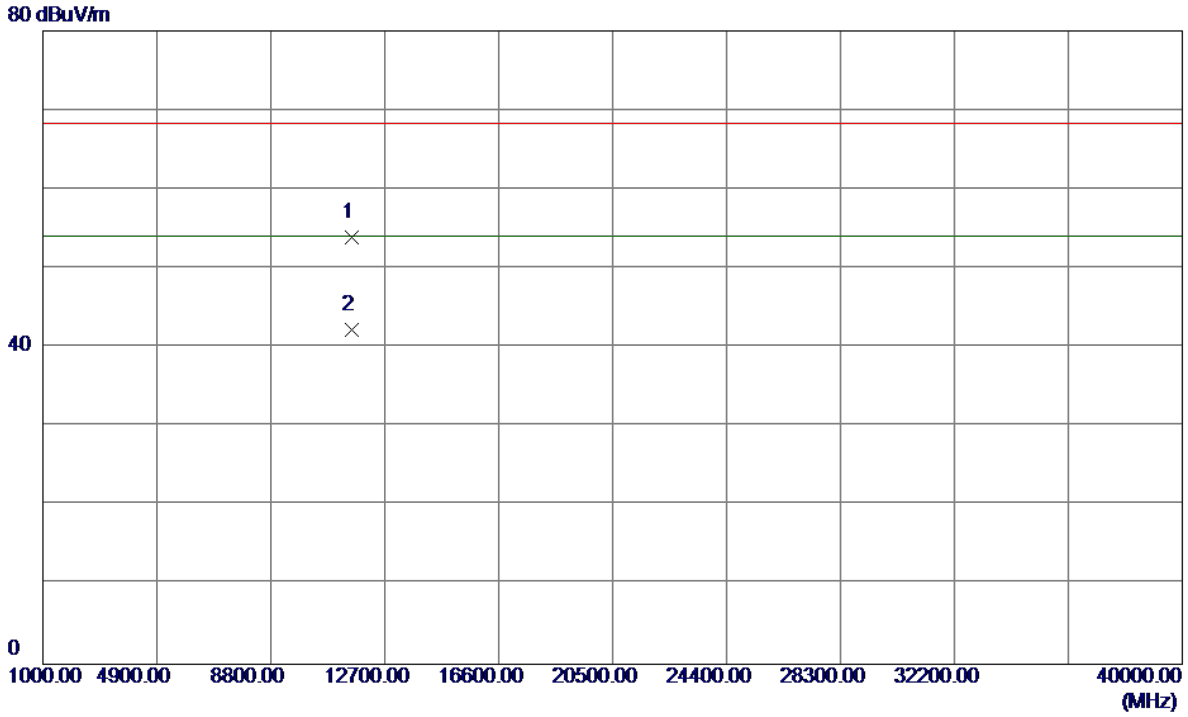
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5796.8000	51.19	41.39	92.58	78.30	14.28	Peak	No Limit
2	5797.0000	26.04	41.40	67.44	68.30	-0.86	AVG	No Limit
3	5850.0000	8.19	41.62	49.81	78.30	-28.49	Peak	
4	5850.0000	-0.74	41.62	40.88	68.30	-27.42	AVG	
5	5860.0000	9.45	41.66	51.11	78.30	-27.19	Peak	
6	5860.0000	-1.05	41.66	40.61	68.30	-27.69	AVG	

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

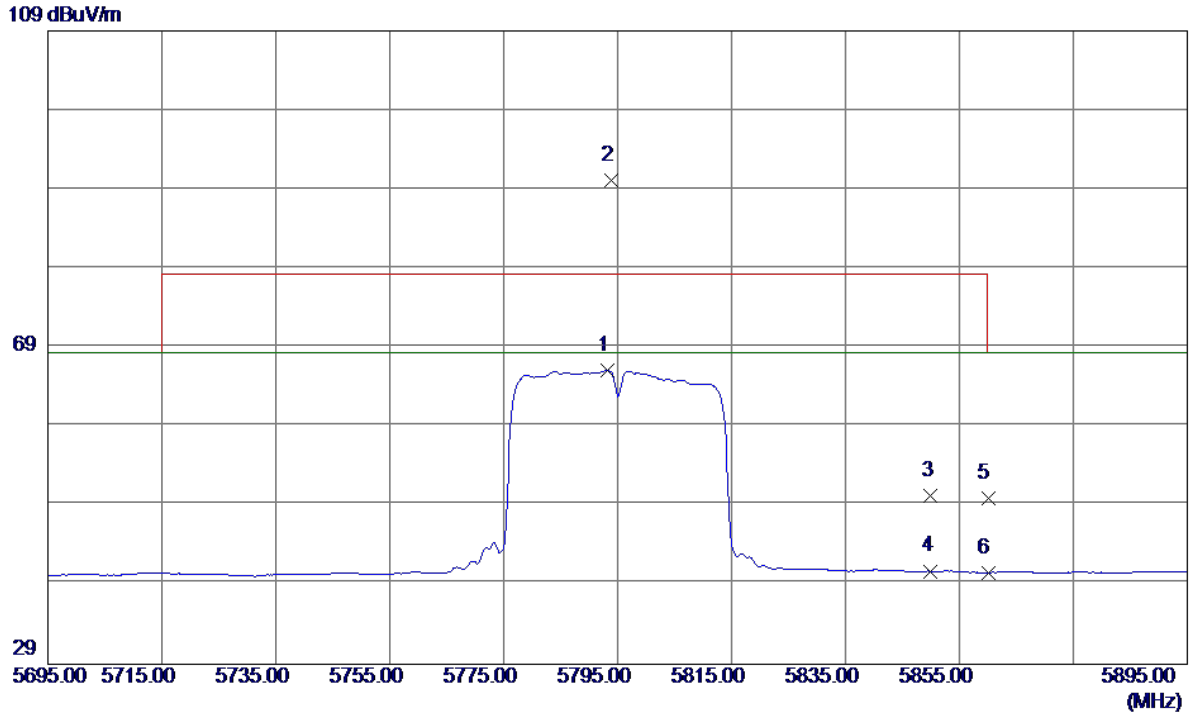
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11589.9500	41.09	12.88	53.97	68.30	-14.33	Peak	
2	11589.9600	29.37	12.88	42.25	54.00	-11.75	AVG	

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

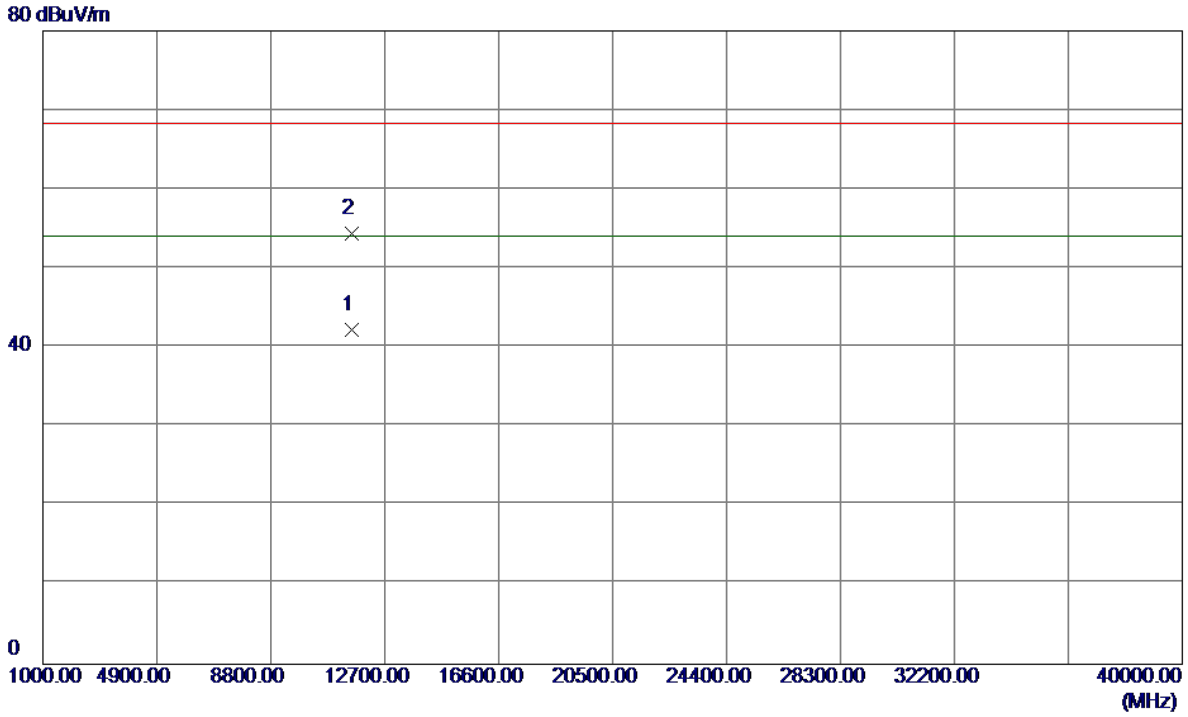
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5793.2000	24.74	41.38	66.12	68.30	-2.18	AVG	No Limit
2	5793.8000	48.75	41.38	90.13	78.30	11.83	Peak	No Limit
3	5850.0000	8.68	41.62	50.30	78.30	-28.00	Peak	
4	5850.0000	-0.86	41.62	40.76	68.30	-27.54	AVG	
5	5860.0000	8.32	41.66	49.98	78.30	-28.32	Peak	
6	5860.0000	-1.07	41.66	40.59	68.30	-27.71	AVG	

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

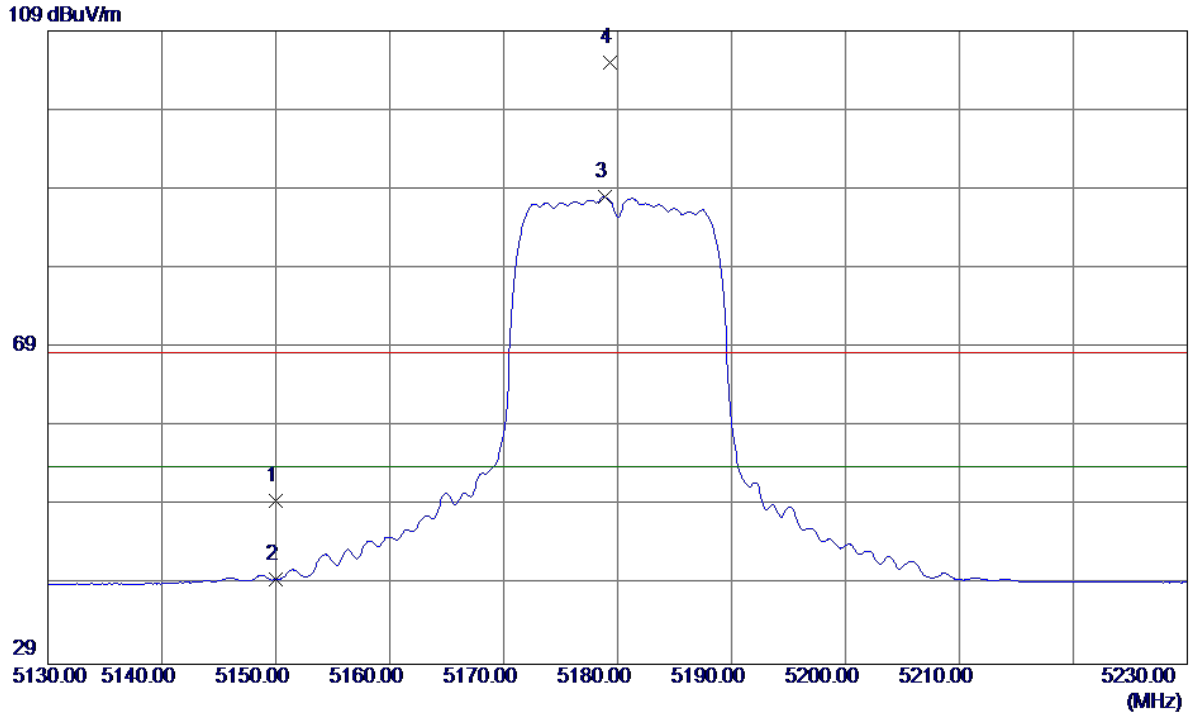
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.0400	29.34	12.88	42.22	54.00	-11.78	AVG	
2	11590.1000	41.48	12.88	54.36	68.30	-13.94	Peak	

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

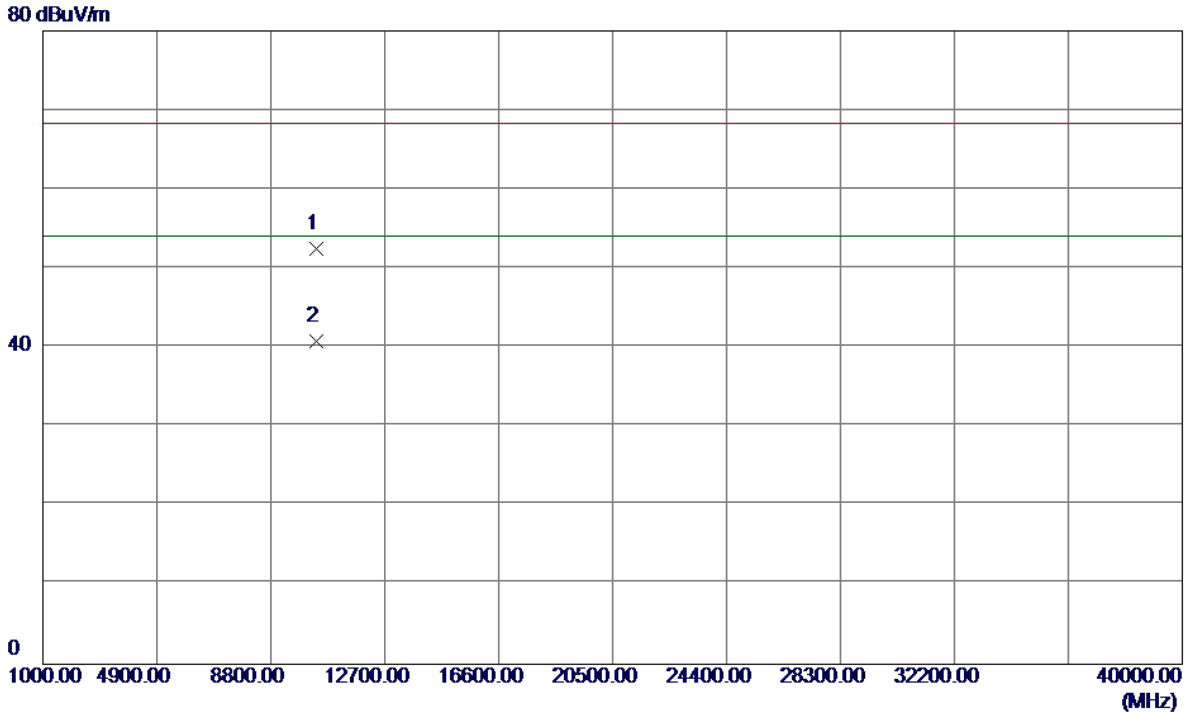
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	10.59	39.00	49.59	68.30	-18.71	Peak	
2	5150.0000	0.65	39.00	39.65	54.00	-14.35	AVG	
3	5178.9000	48.91	39.09	88.00	54.00	34.00	AVG	No Limit
4	5179.3000	65.85	39.10	104.95	68.30	36.65	Peak	No Limit

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

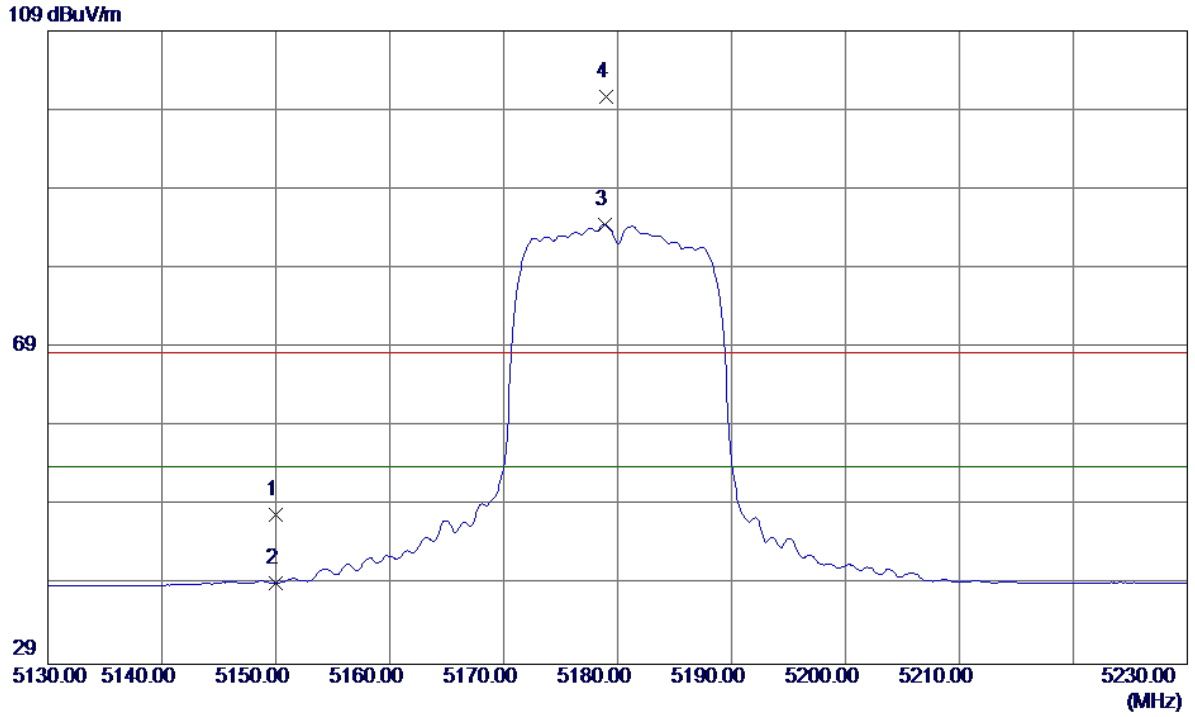
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10359.9900	41.36	11.11	52.47	68.30	-15.83	Peak	
2	10360.1100	29.71	11.11	40.82	54.00	-13.18	AVG	

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

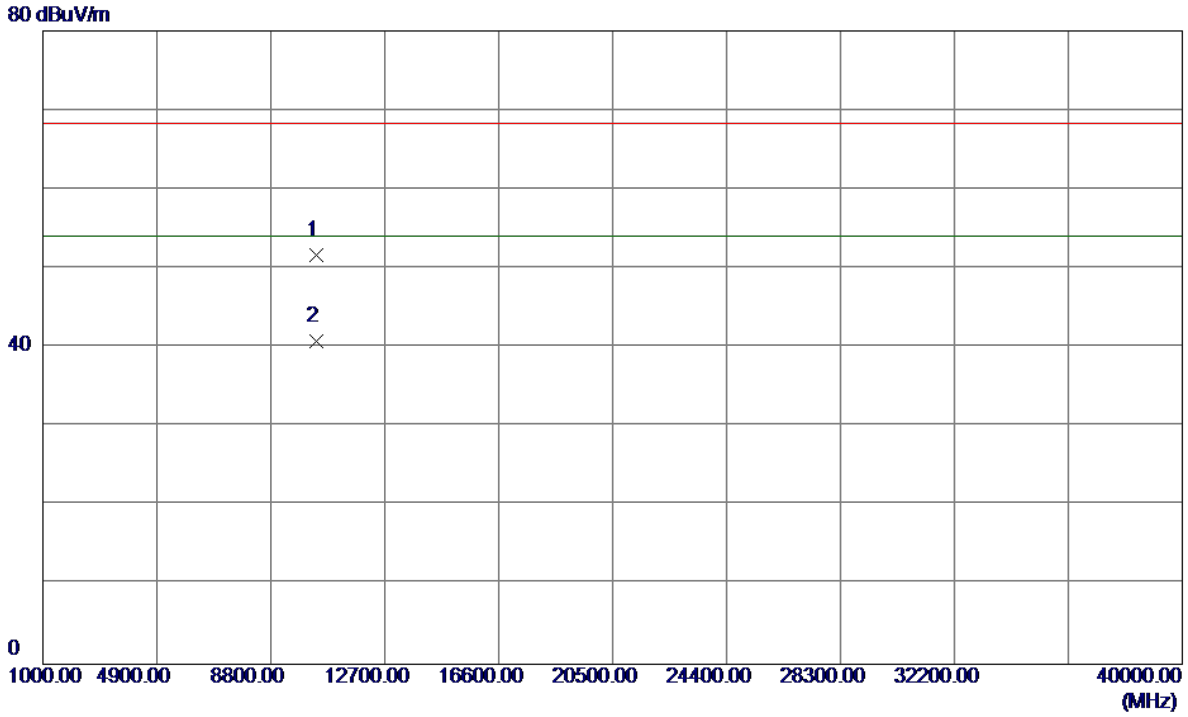
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	8.92	39.00	47.92	68.30	-20.38	Peak	
2	5150.0000	0.25	39.00	39.25	54.00	-14.75	AVG	
3	5178.9000	45.46	39.09	84.55	54.00	30.55	AVG	No Limit
4	5179.0000	61.61	39.09	100.70	68.30	32.40	Peak	No Limit

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

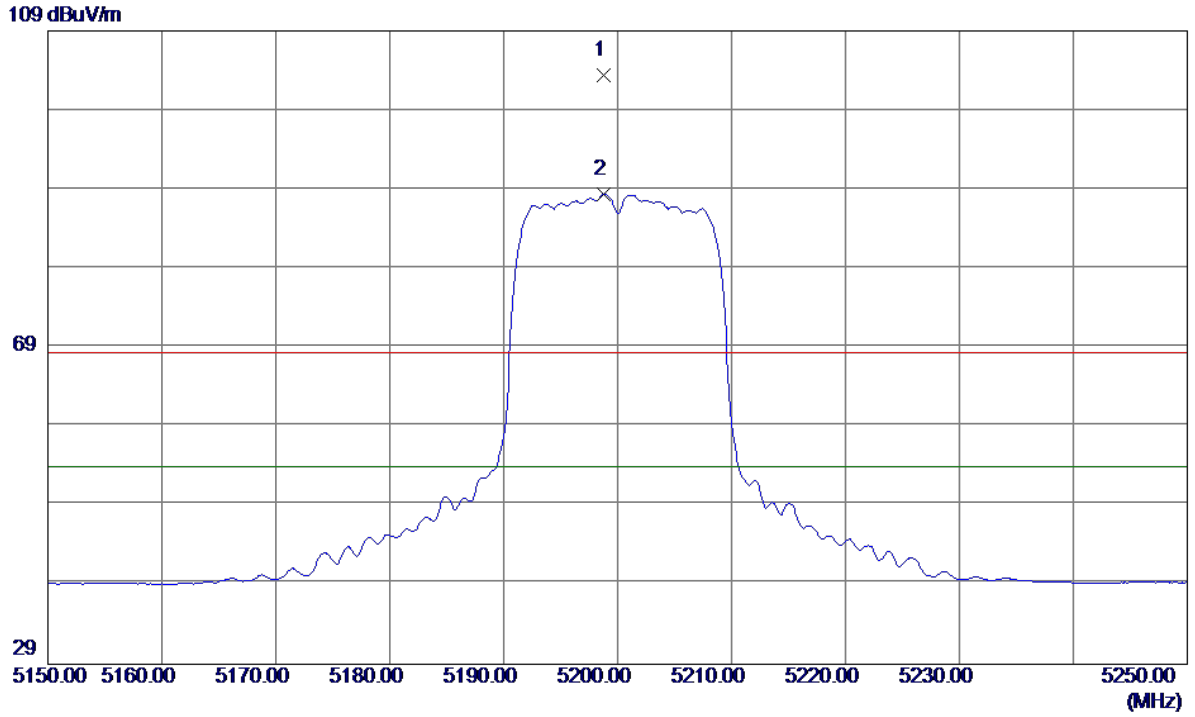
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.0599	40.54	11.11	51.65	68.30	-16.65	Peak	
2	10360.1400	29.74	11.11	40.85	54.00	-13.15	AVG	

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

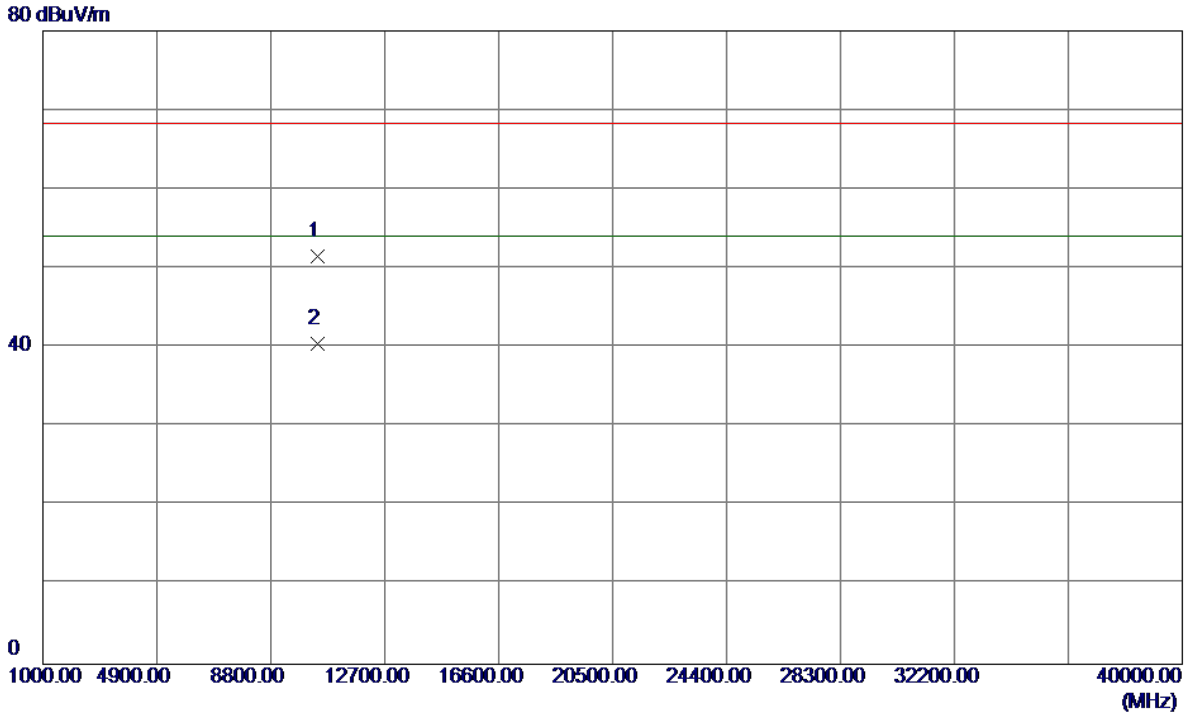
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5198.8000	64.20	39.16	103.36	68.30	35.06	Peak	No Limit
2	5198.8000	49.17	39.16	88.33	54.00	34.33	AVG	No Limit

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

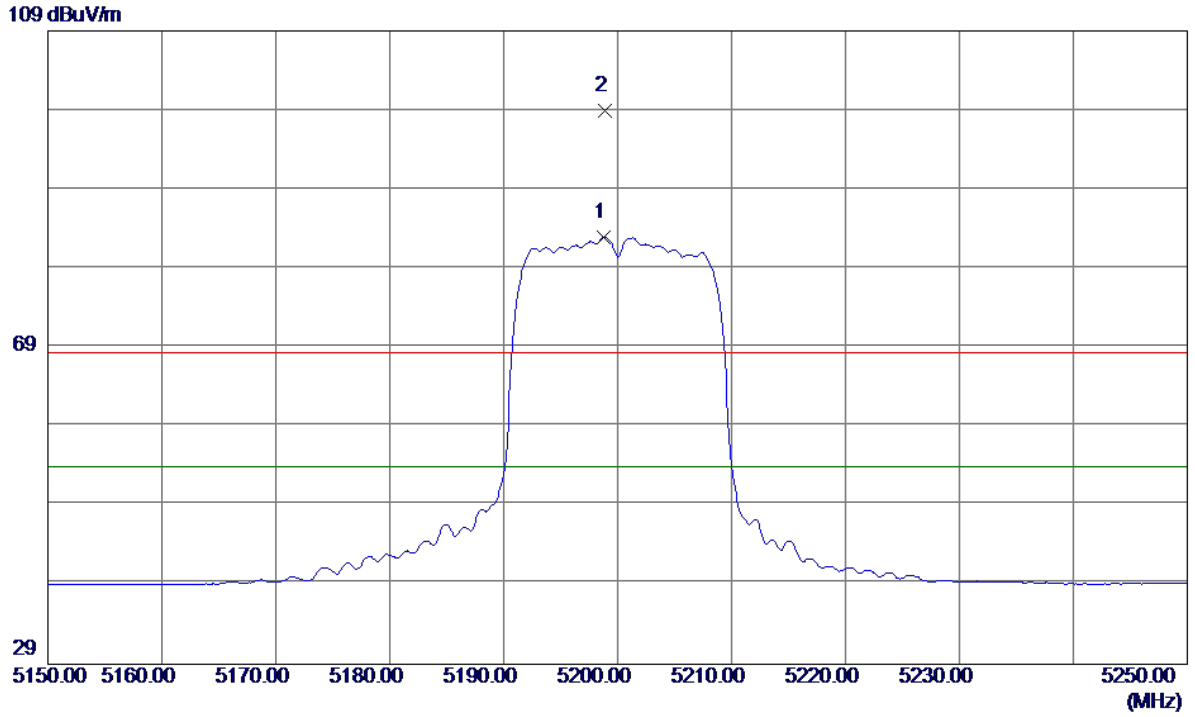
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.0599	40.48	11.05	51.53	68.30	-16.77	Peak	
2	10400.0599	29.47	11.05	40.52	54.00	-13.48	AVG	

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

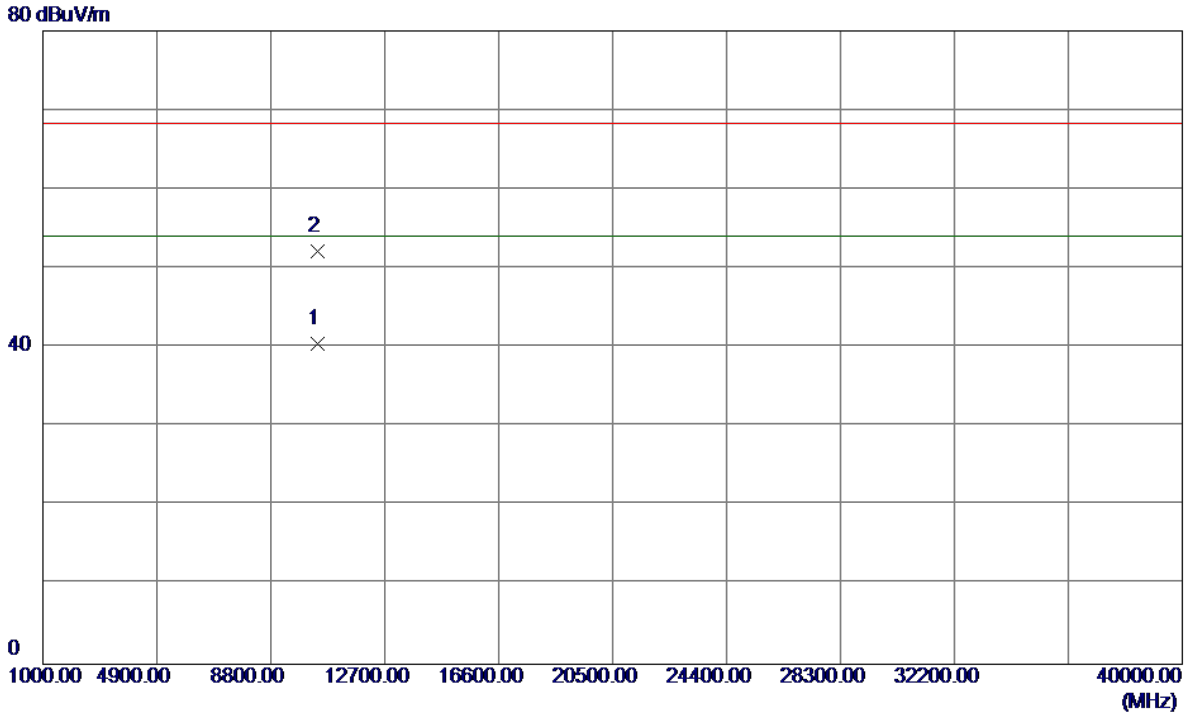
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5198.8000	43.78	39.16	82.94	54.00	28.94	AVG	No Limit
2	5198.9000	59.80	39.16	98.96	68.30	30.66	Peak	No Limit

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

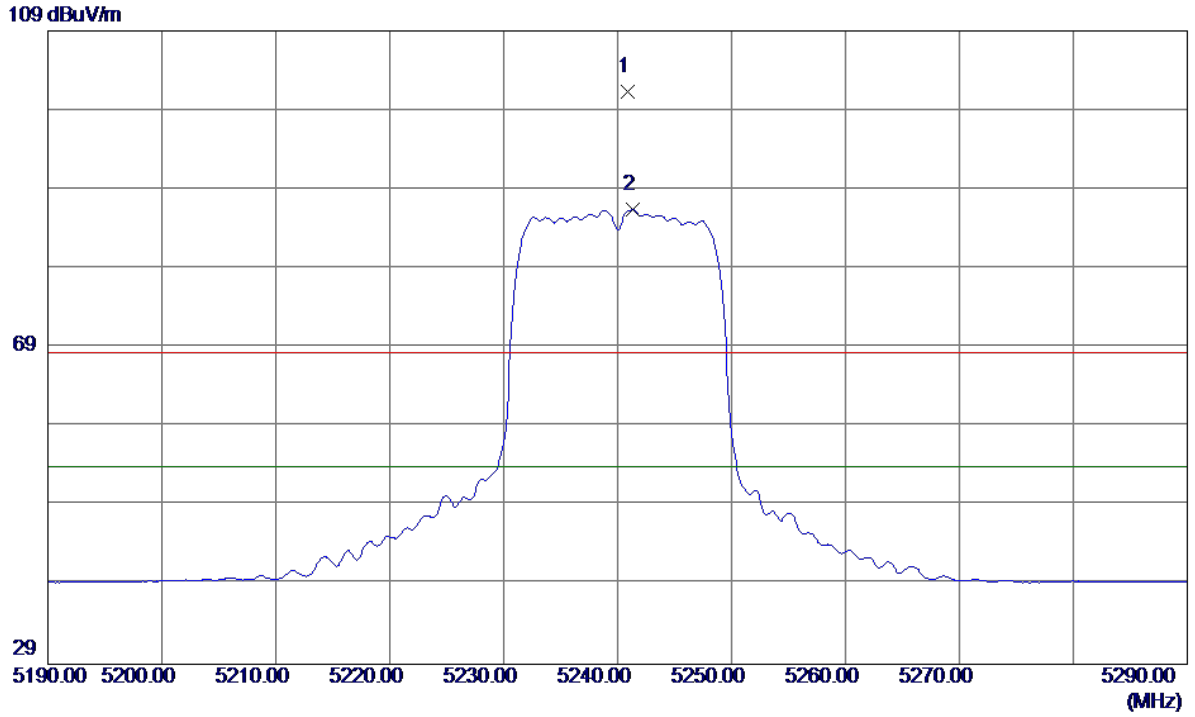
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10399.8400	29.43	11.05	40.48	54.00	-13.52	AVG	
2	10400.1300	41.17	11.05	52.22	68.30	-16.08	Peak	

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

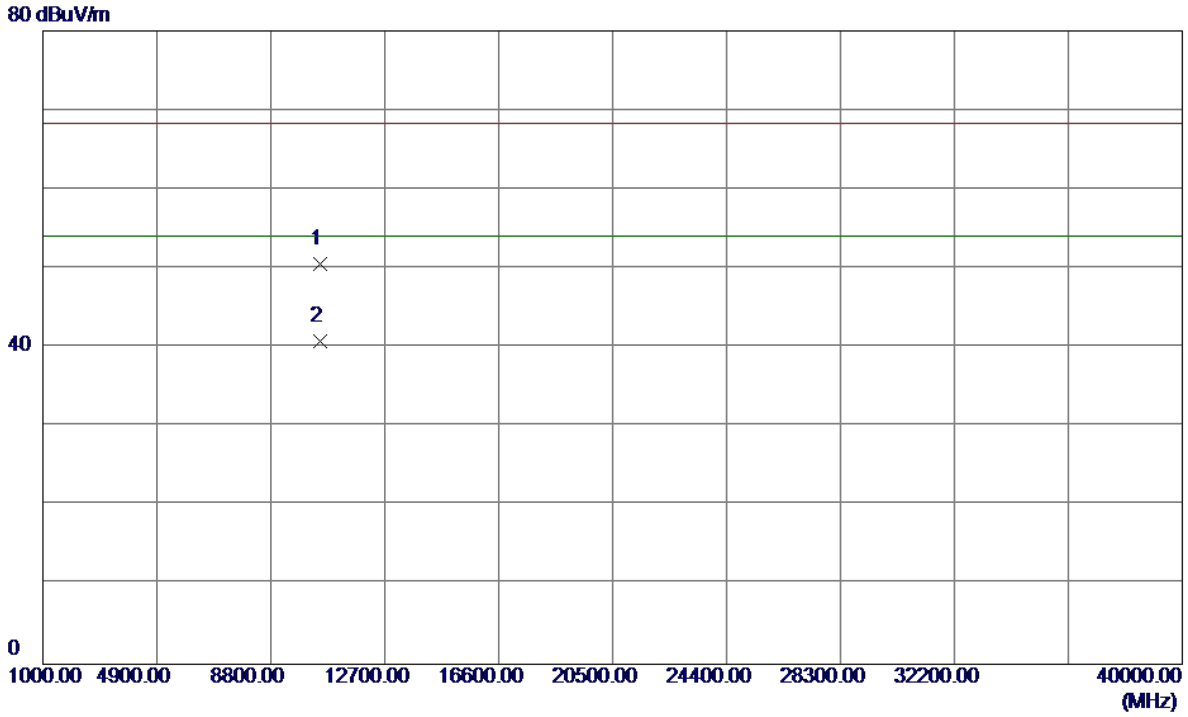
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5240.9000	61.97	39.30	101.27	68.30	32.97	Peak	No Limit
2	5241.3000	47.08	39.30	86.38	54.00	32.38	AVG	No Limit

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

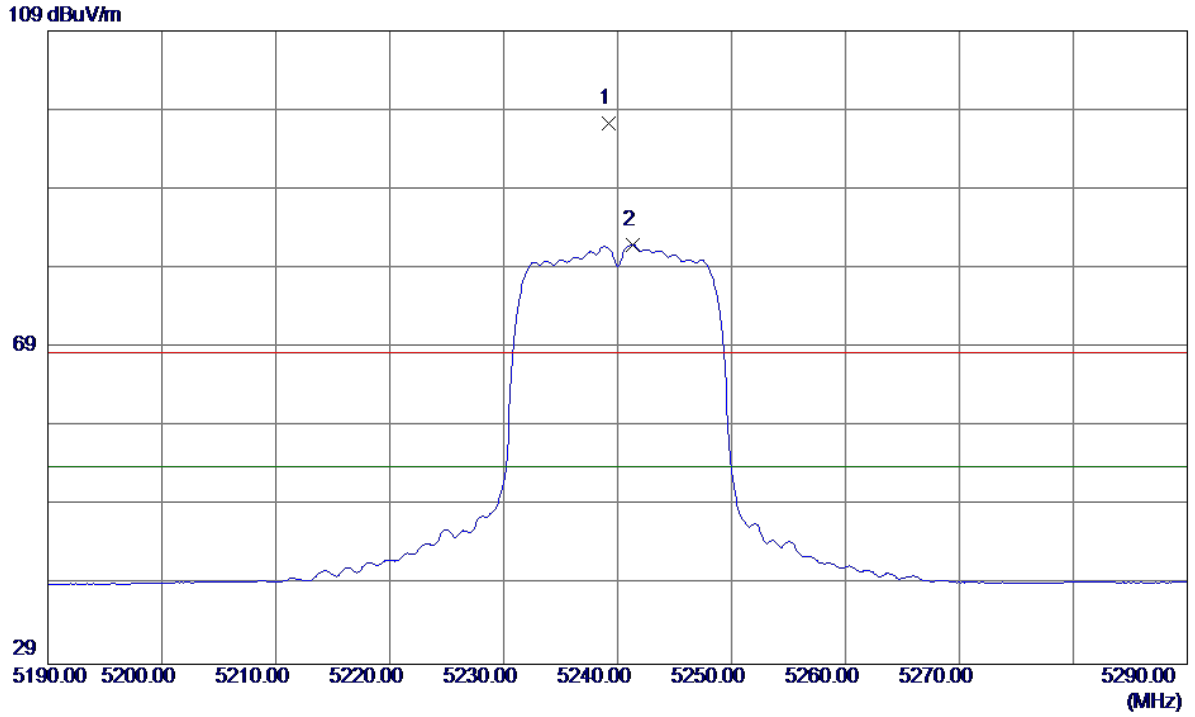
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.1300	39.65	10.94	50.59	68.30	-17.71	Peak	
2	10480.1300	29.83	10.94	40.77	54.00	-13.23	AVG	

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

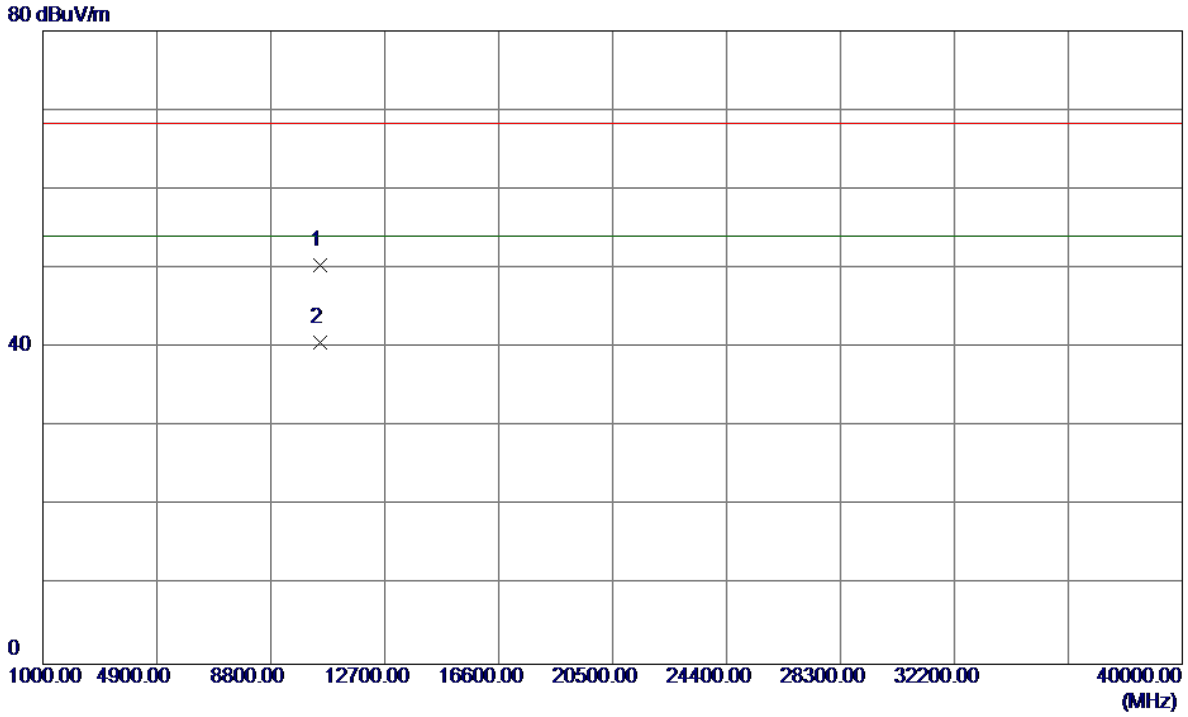
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5239.2000	58.00	39.29	97.29	68.30	28.99	Peak	No Limit
2	5241.3000	42.64	39.30	81.94	54.00	27.94	AVG	No Limit

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

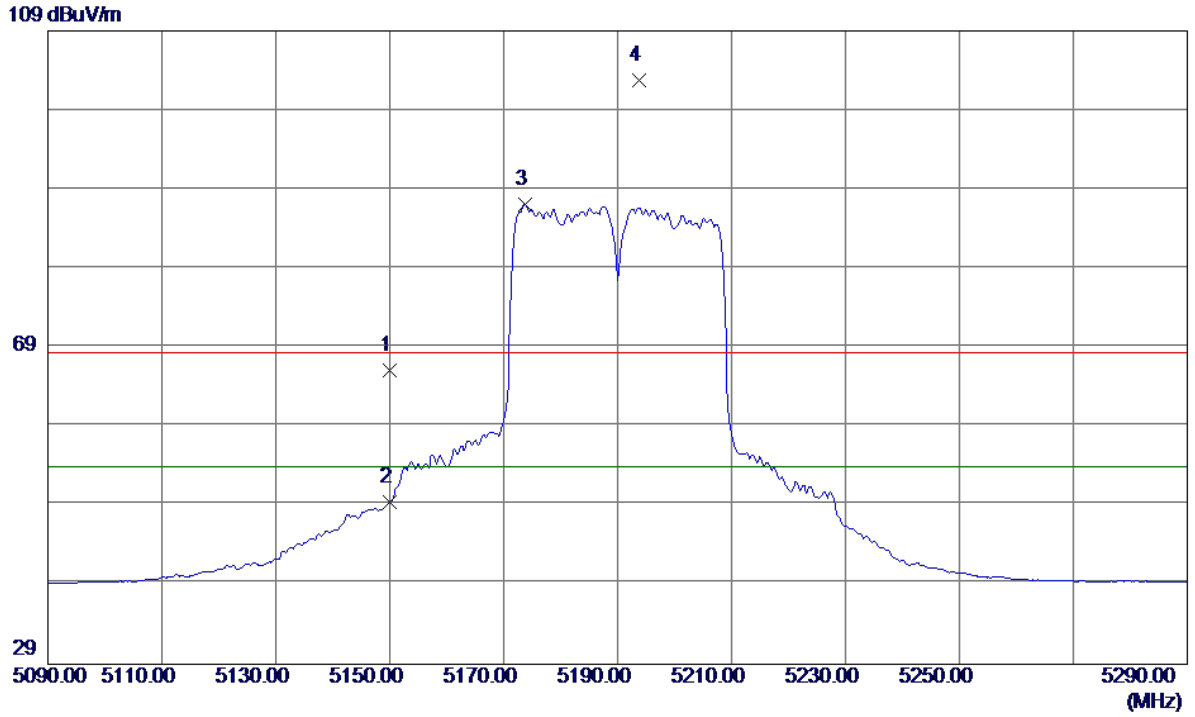
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10479.9000	39.40	10.94	50.34	68.30	-17.96	Peak	
2	10479.9000	29.68	10.94	40.62	54.00	-13.38	AVG	

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

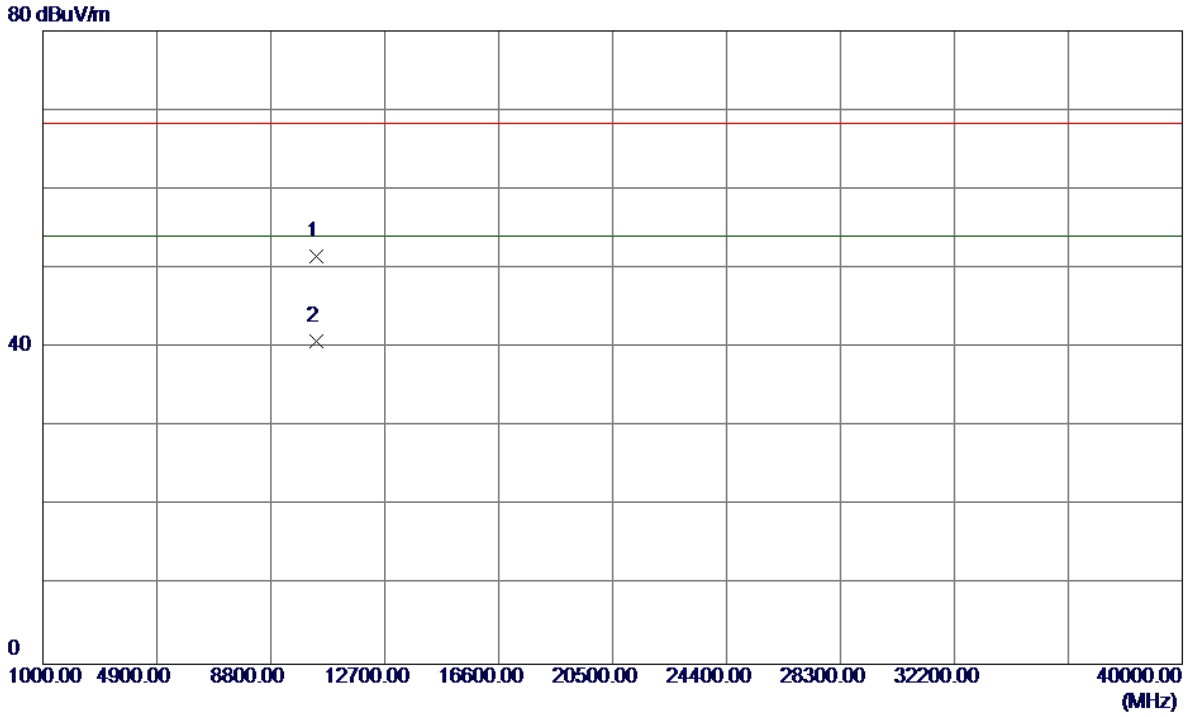
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	27.12	39.00	66.12	68.30	-2.18	Peak	
2	5150.0000	10.52	39.00	49.52	54.00	-4.48	AVG	
3	5173.8000	48.05	39.08	87.13	54.00	33.13	AVG	No Limit
4	5193.8000	63.69	39.14	102.83	68.30	34.53	Peak	No Limit

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

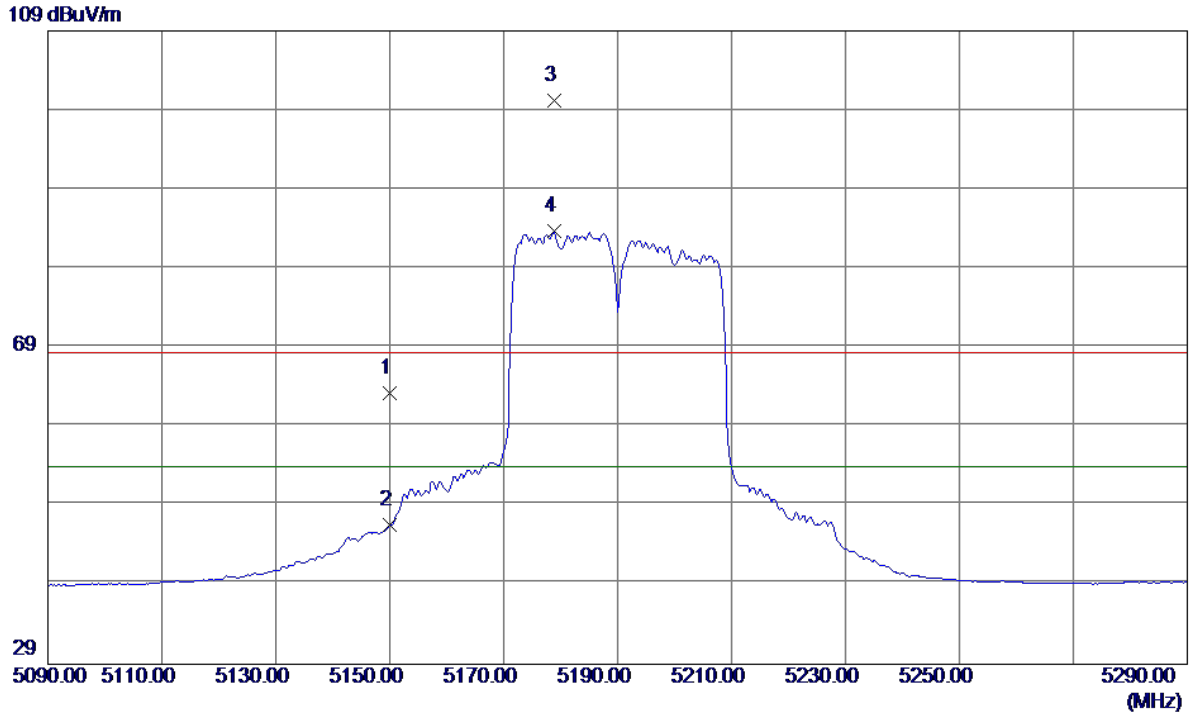
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10379.9700	40.40	11.08	51.48	68.30	-16.82	Peak	
2	10379.9700	29.72	11.08	40.80	54.00	-13.20	AVG	

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

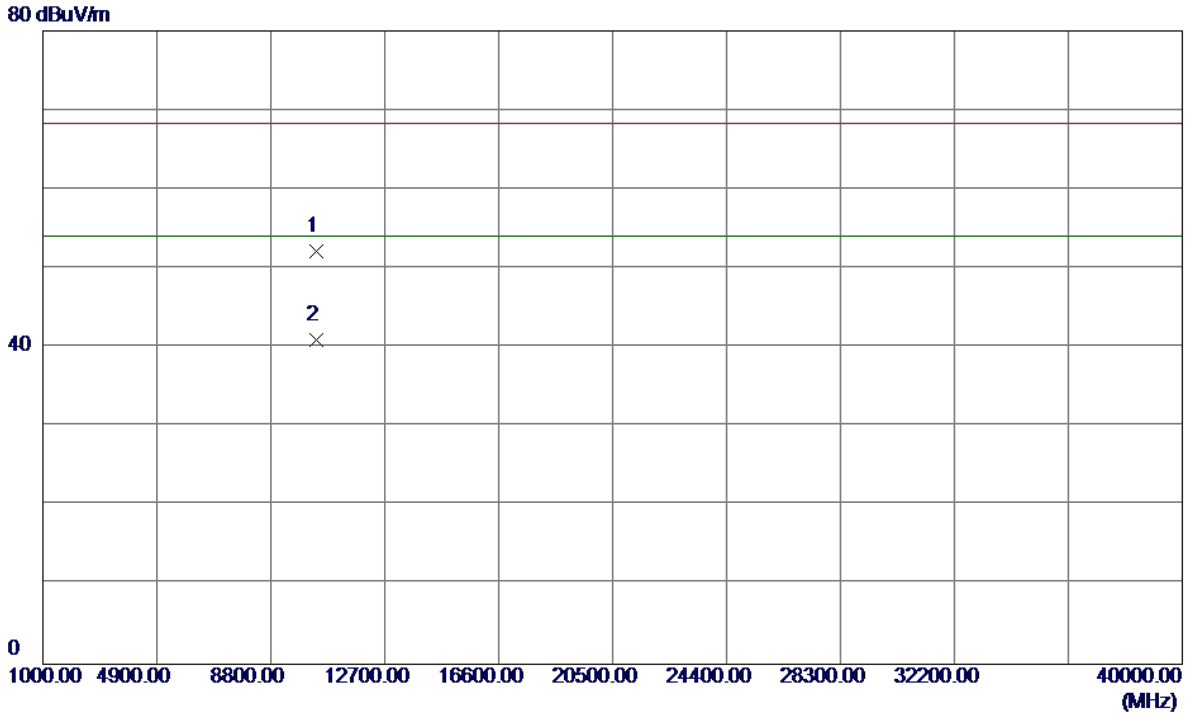
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	24.29	39.00	63.29	68.30	-5.01	Peak	
2	5150.0000	7.55	39.00	46.55	54.00	-7.45	AVG	
3	5178.8000	61.09	39.09	100.18	68.30	31.88	Peak	No Limit
4	5178.8000	44.57	39.09	83.66	54.00	29.66	AVG	No Limit

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

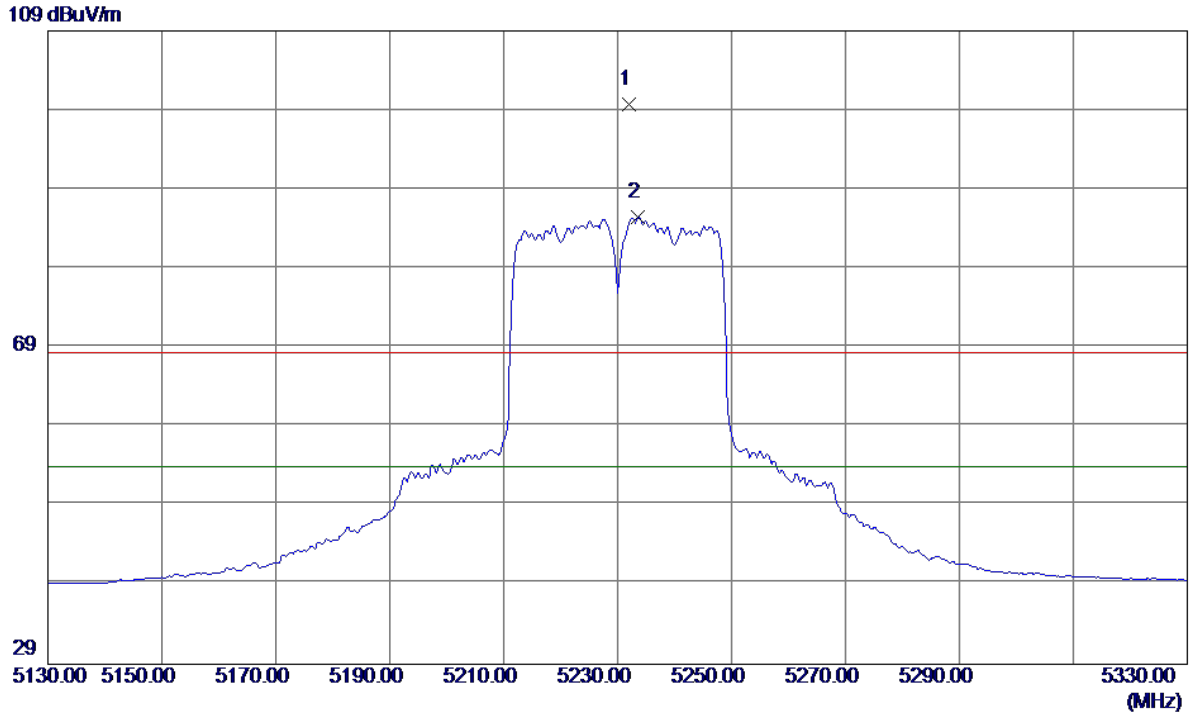
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10379.7699	41.08	11.08	52.16	68.30	-16.14	Peak	
2	10379.7699	29.92	11.08	41.00	54.00	-13.00	AVG	

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

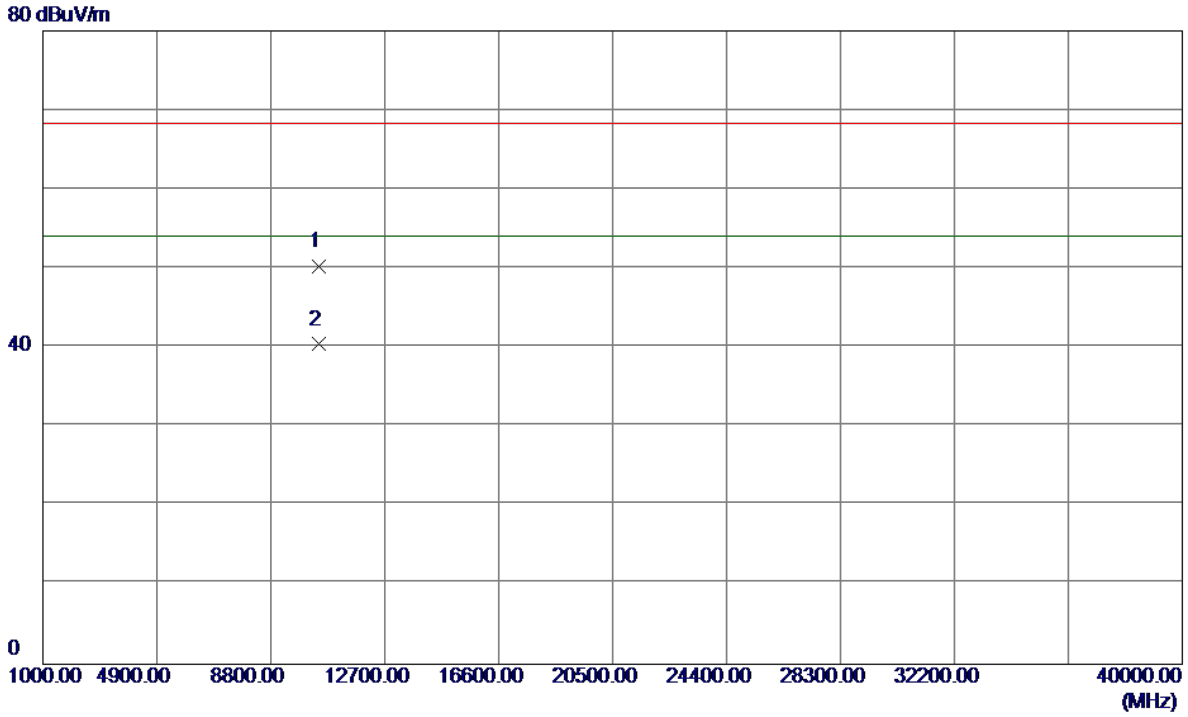
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5232.0000	60.46	39.27	99.73	68.30	31.43	Peak	No Limit
2	5233.6000	46.15	39.28	85.43	54.00	31.43	AVG	No Limit

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

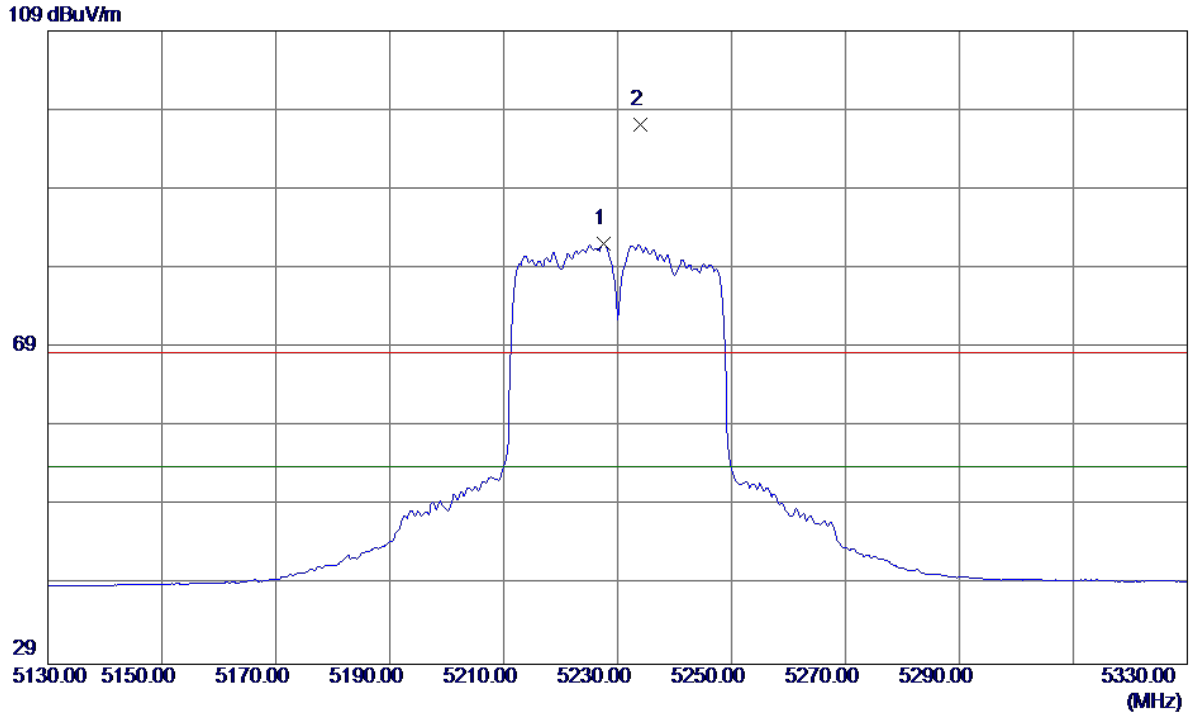
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.0300	39.23	10.97	50.20	68.30	-18.10	Peak	
2	10460.0300	29.43	10.97	40.40	54.00	-13.60	AVG	

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

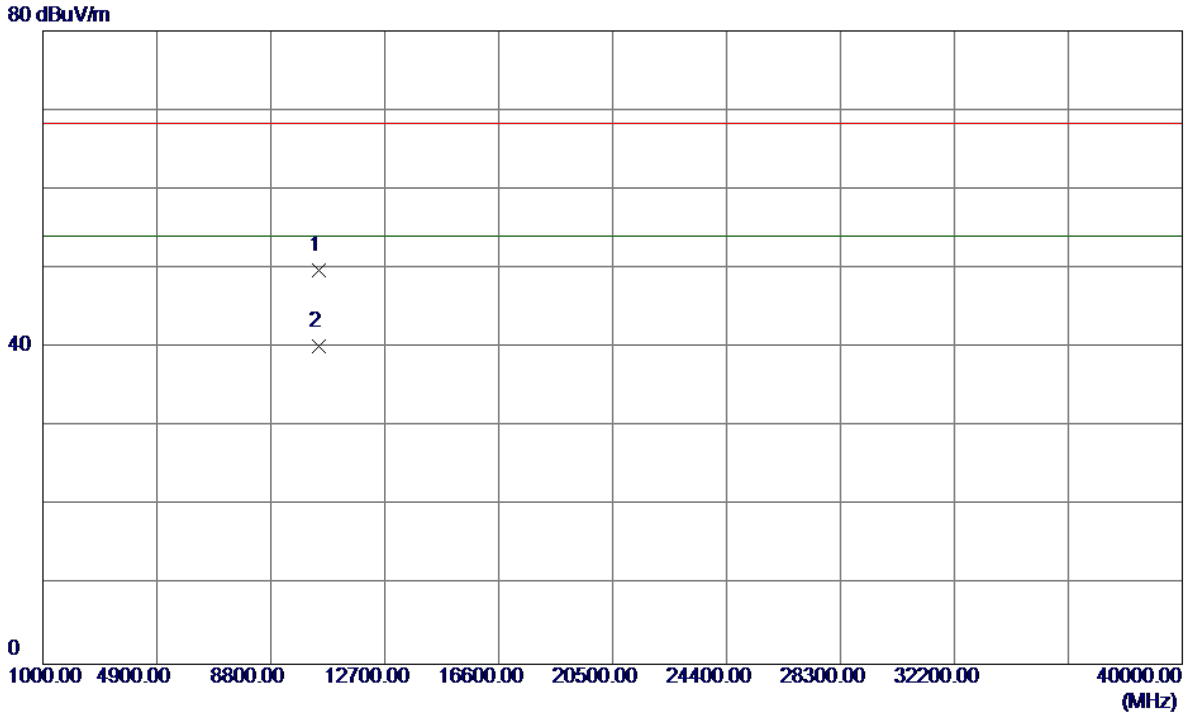
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5227.6000	42.79	39.26	82.05	54.00	28.05	AVG	No Limit
2	5234.0000	57.84	39.28	97.12	68.30	28.82	Peak	No Limit

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

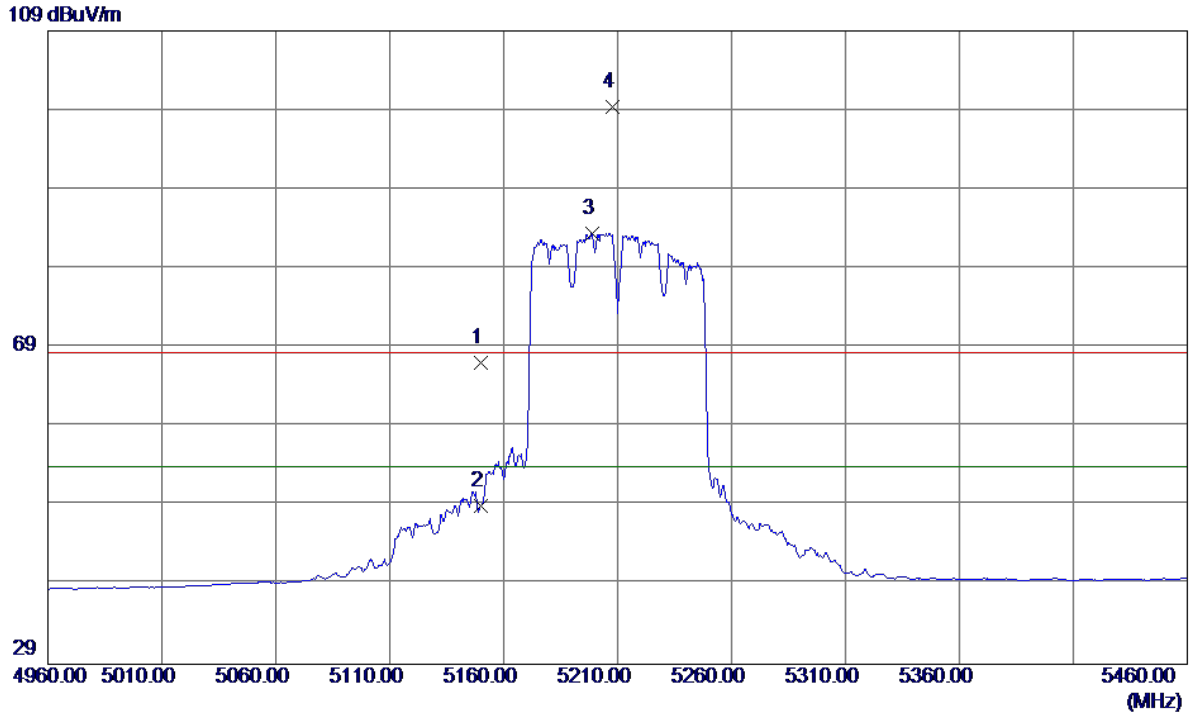
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.0100	38.78	10.97	49.75	68.30	-18.55	Peak	
2	10460.0100	29.26	10.97	40.23	54.00	-13.77	AVG	

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

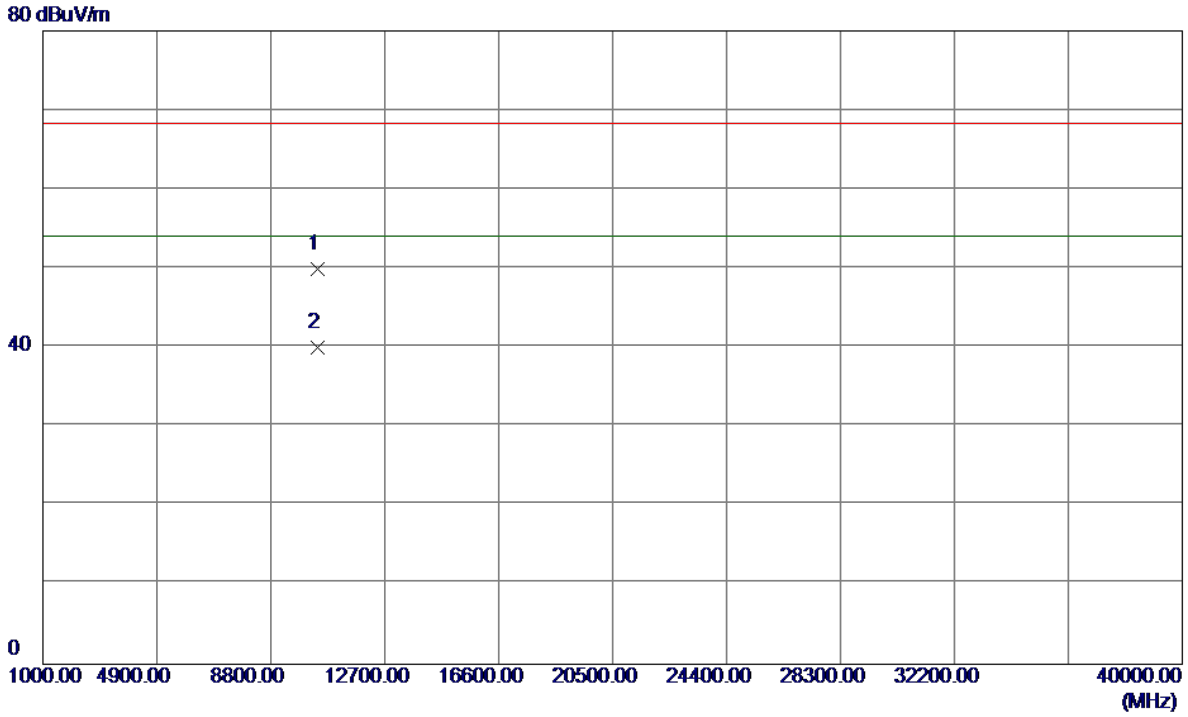
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	28.01	39.00	67.01	68.30	-1.29	Peak	
2	5150.0000	10.07	39.00	49.07	54.00	-4.93	AVG	
3	5199.0000	44.27	39.16	83.43	54.00	29.43	AVG	No Limit
4	5208.0000	60.21	39.19	99.40	68.30	31.10	Peak	No Limit

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

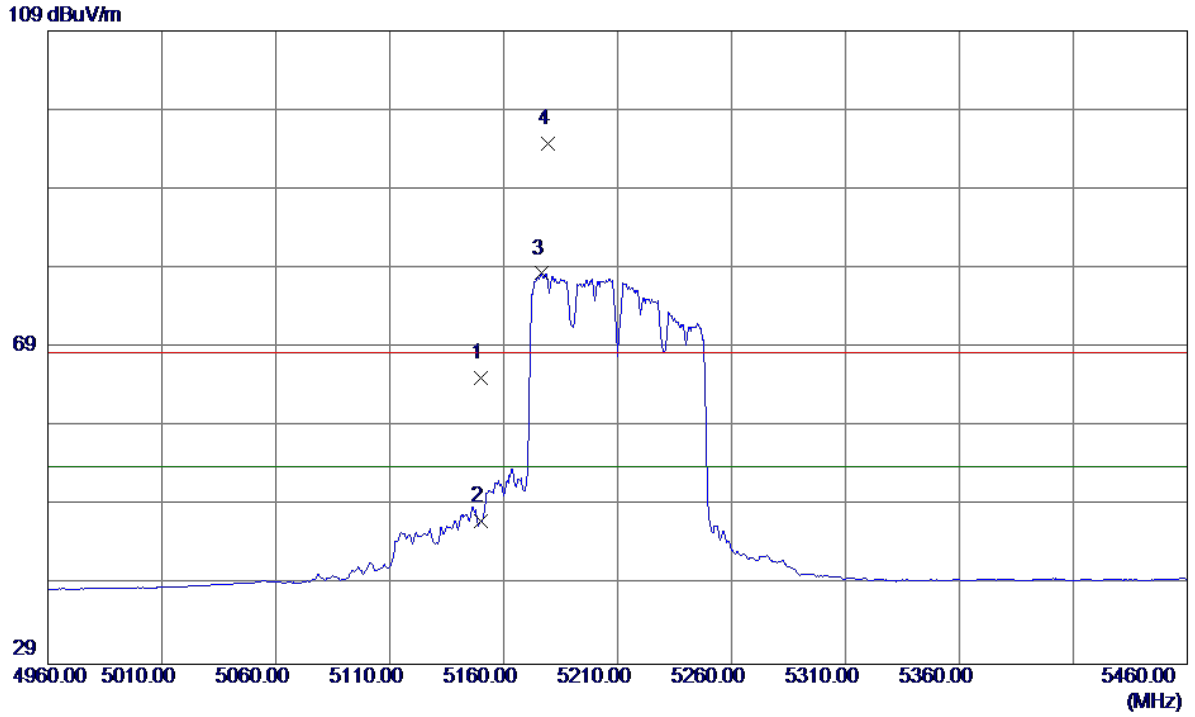
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10420.0000	38.90	11.02	49.92	68.30	-18.38	Peak	
2	10420.0000	28.92	11.02	39.94	54.00	-14.06	AVG	

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

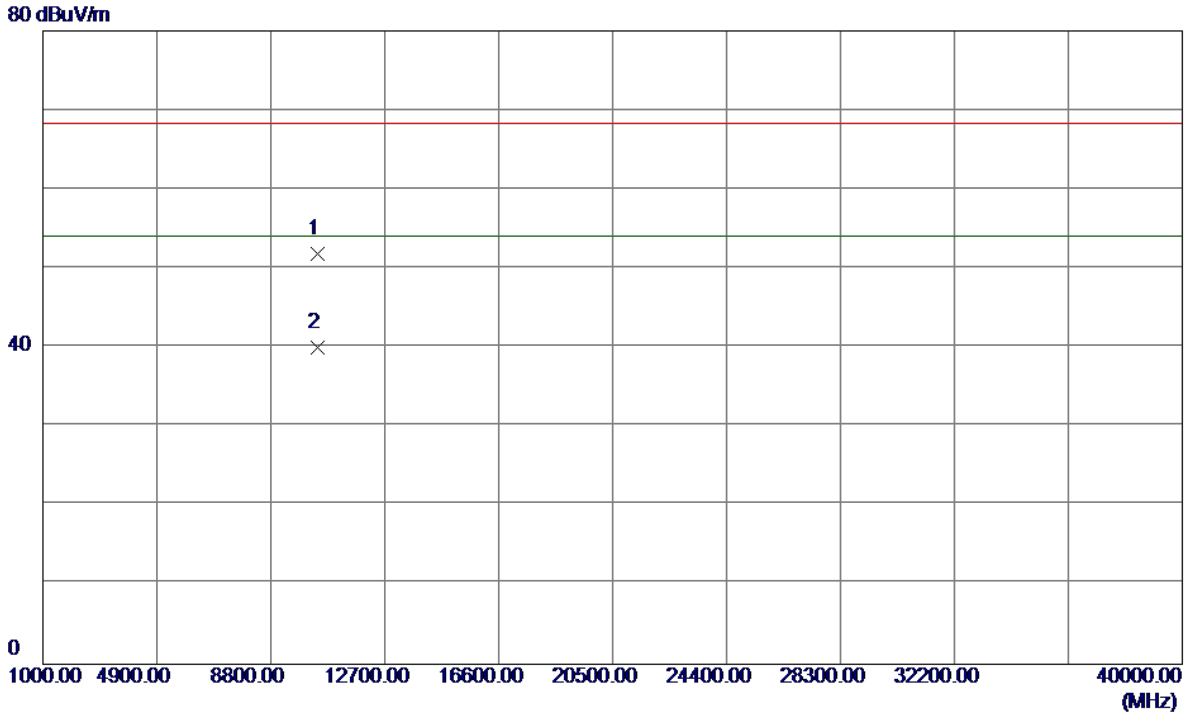
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	26.12	39.00	65.12	68.30	-3.18	Peak	
2	5150.0000	8.08	39.00	47.08	54.00	-6.92	AVG	
3	5176.5000	39.27	39.09	78.36	54.00	24.36	AVG	No Limit
4	5179.5000	55.72	39.10	94.82	68.30	26.52	Peak	No Limit

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

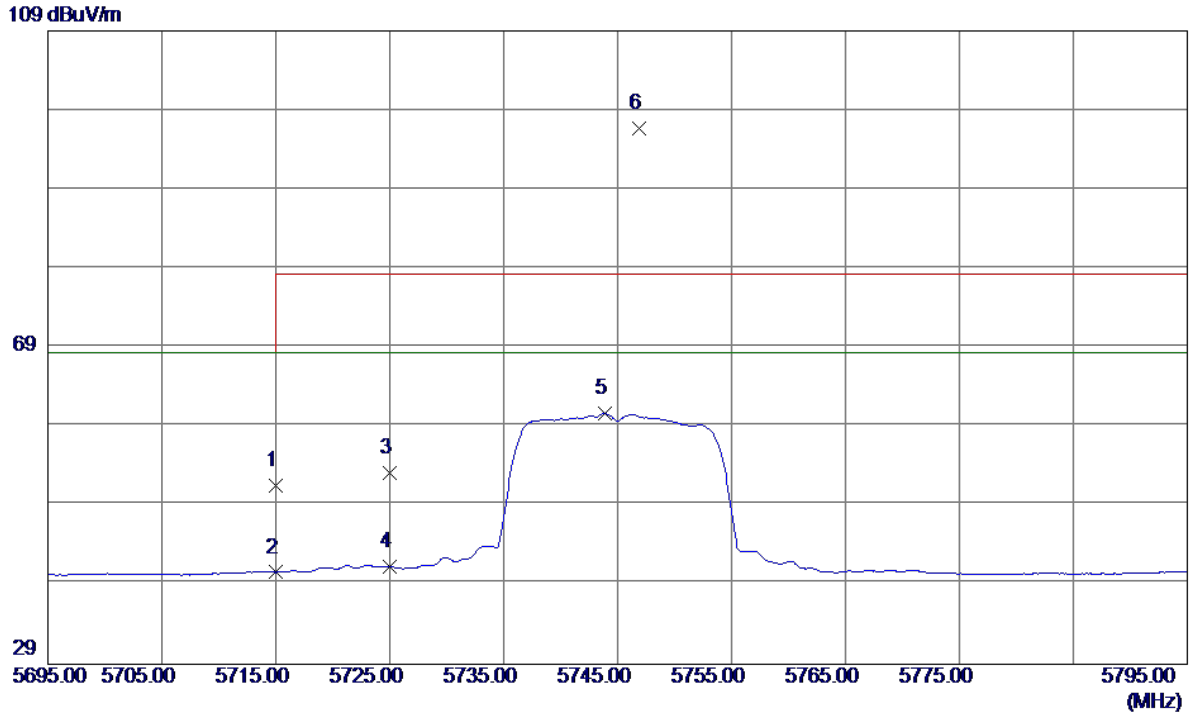
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10419.9600	40.83	11.02	51.85	68.30	-16.45	Peak	
2	10420.0300	29.01	11.02	40.03	54.00	-13.97	AVG	

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

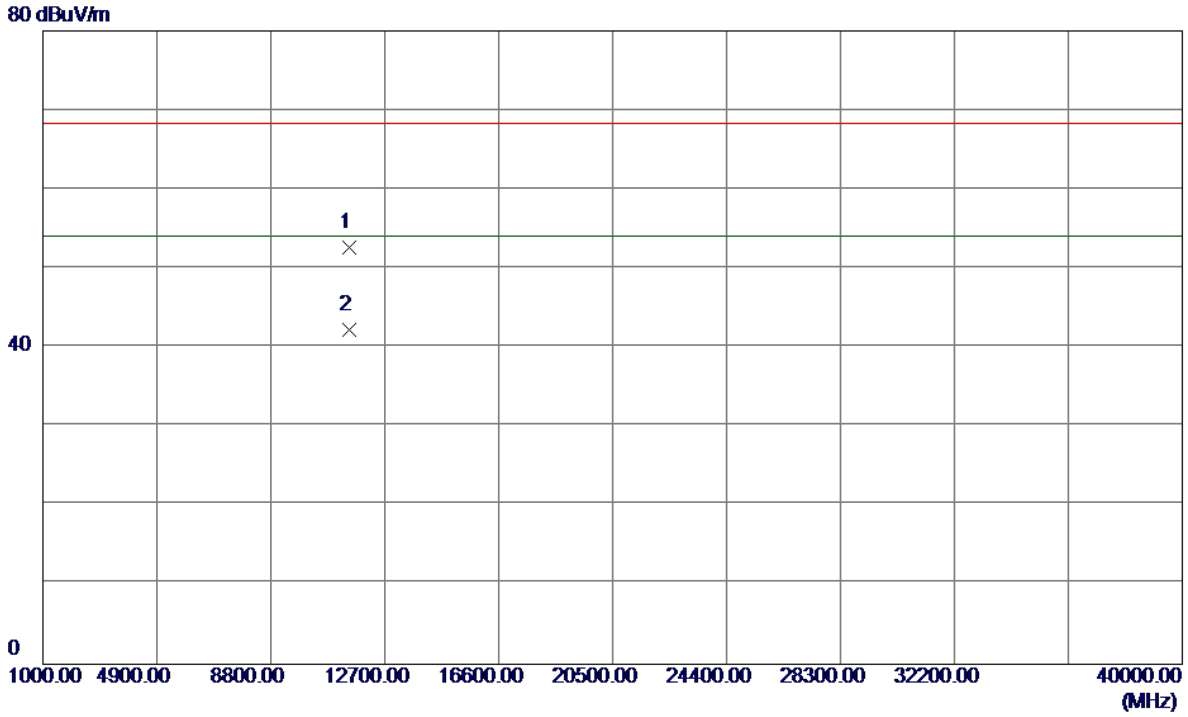
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	10.48	41.05	51.53	68.30	-16.77	Peak	
2	5715.0000	-0.45	41.05	40.60	68.30	-27.70	AVG	
3	5725.0000	12.05	41.10	53.15	78.30	-25.15	Peak	
4	5725.0000	0.28	41.10	41.38	68.30	-26.92	AVG	
5	5743.9000	19.46	41.17	60.63	68.30	-7.67	AVG	No Limit
6	5746.9000	55.47	41.19	96.66	78.30	18.36	Peak	No Limit

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

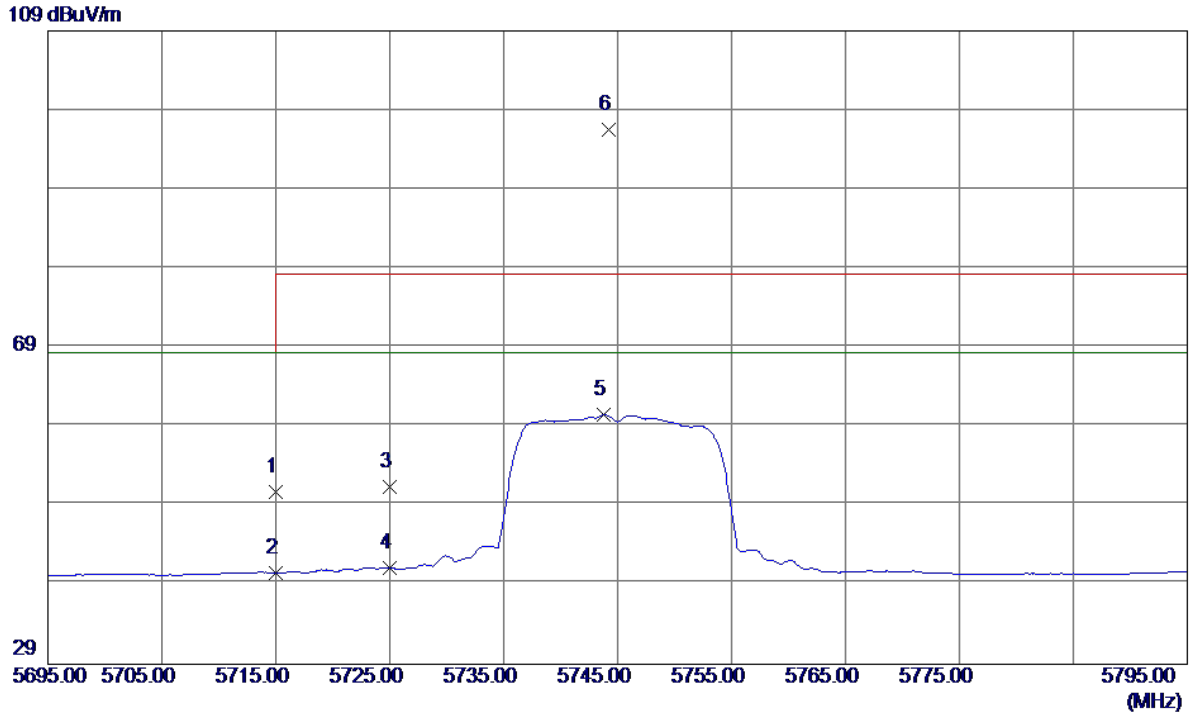
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.0000	39.76	12.91	52.67	68.30	-15.63	Peak	
2	11490.0400	29.27	12.91	42.18	54.00	-11.82	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	9.68	41.05	50.73	68.30	-17.57	Peak	
2	5715.0000	-0.47	41.05	40.58	68.30	-27.72	AVG	
3	5725.0000	10.37	41.10	51.47	78.30	-26.83	Peak	
4	5725.0000	0.10	41.10	41.20	68.30	-27.10	AVG	
5	5743.8000	19.30	41.17	60.47	68.30	-7.83	AVG	No Limit
6	5744.2000	55.31	41.18	96.49	78.30	18.19	Peak	No Limit