FCC Radio Test Report

FCC ID: V7TI21

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

Project No.	:	1709C145
Equipment	:	Wireless Dual Band Ceiling Access Point
Test Model	:	i21
Series Model	:	N/A
Applicant	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address	:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

Date of Receipt	:	Sep. 16, 2017
Date of Test	:	Sep. 16, 2017 ~ Nov. 26, 2017
Issued Date	:	Nov. 27, 2017
Tested by	:	BTL Inc.

Testing Engineer : Jivey Jiang
(Jivey Jiang)

Technical Manager : Shawn Xiao
(Shawn Xiao)

Authorized Signatory : David Mao
(David Mao)

BTL INC.

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

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

NVLAP Lab Code: 200788-0

Declaration

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

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

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

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

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

Limitation

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

Table of Contents Page

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1709C145	Original Issue.	Nov. 27, 2017

1. CERTIFICATION

Equipment	:	Wireless Dual Band Ceiling Access Point
Brand Name	:	Tenda
Test Model	:	i21
Series Model	:	N/A
Applicant	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Manufacturer	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address	:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
Date of Test	:	Sep. 16, 2017 ~ Nov. 26, 2017
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part15, Subpart E(15.407) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1709C145) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Dual Band Ceiling Access Point	
Brand Name	Tenda	
Test Model	i21	
Series Model	N/A	
Model Difference	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	867Mbps
	Output Power (Max.)for UNII-1	802.11a: 25.50dBm 802.11n (20M): 27.45dBm 802.11n (40M): 27.58dBm 802.11ac (20M): 26.74dBm 802.11ac (40M): 27.15dBm 802.11ac (80M): 27.19dBm
	Output Power (Max.)for UNII-3	802.11n (20M): 28.44dBm 802.11n (40M): 28.49dBm 802.11ac (20M): 29.64dBm 802.11ac (40M): 29.65dBm 802.11ac (80M): 28.33dBm
Power Source	1# DC Voltage supplied from AC/DC adapter (support unit). 2# Supplied from PoE.	
Power Rating	1# I/P: 12V⎓ 1A 2# PoE 51V	

Note:

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

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

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

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Integral	N/A	3.5
2	N/A	N/A	Integral	N/A	3.5

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

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

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

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

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

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

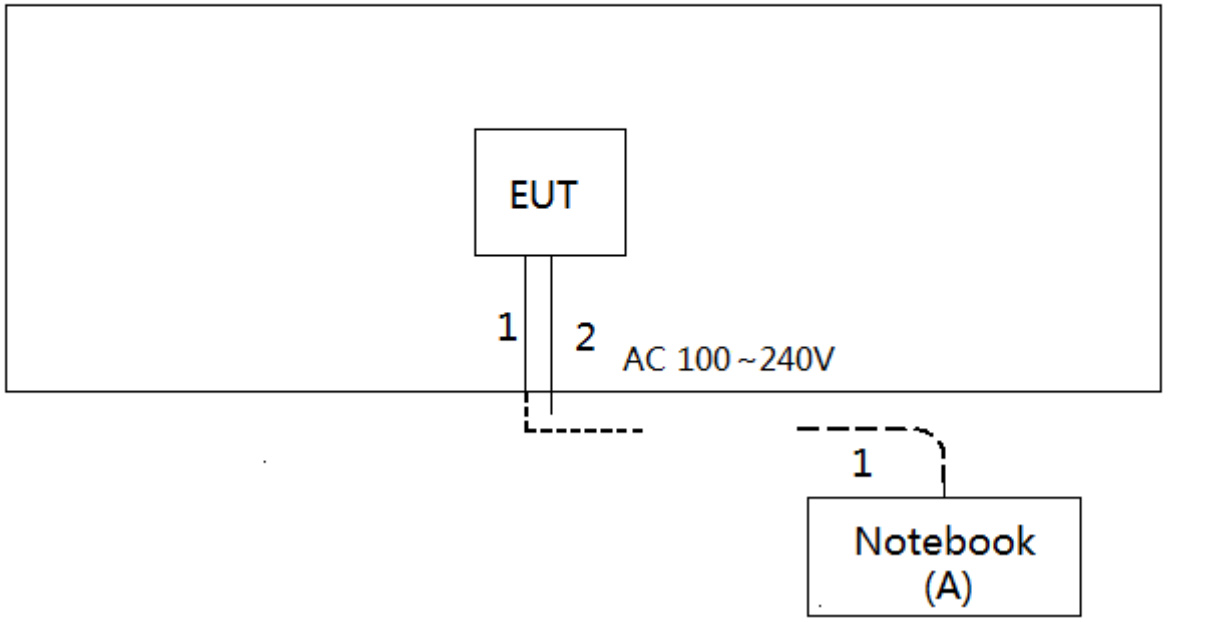
3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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

UNII-1			
Test Software Version	MP_TEST		
Frequency (MHz)	5180	5200	5240
A Mode	52	52	50
N20 Mode	53	52	47
Frequency (MHz)	5190	5230	
N40 Mode	45	53	
AC20 Mode	52	52	49
Frequency (MHz)	5190	5230	
AC40 Mode	45	52	
Frequency (MHz)	5210		
AC80 Mode	44		

UNII-3			
Test Software Version	MP_TEST		
Frequency (MHz)	5745	5785	5825
A Mode	63	63	63
N20 Mode	42	42	42
Frequency (MHz)	5755	5795	
N40 Mode	43	43	
Frequency (MHz)	5745	5785	5825
AC20 Mode	49	49	48
Frequency (MHz)	5755	5795	
AC40 Mode	45	45	
Frequency (MHz)	5775		
AC80 Mode	45		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	Notebook	DELL	INSPIRON 1420	N/A	JX193A01SDC2

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	10m	RJ45 Cable
2	NO	NO	1.2m	DC Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

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

4.1.2 TEST PROCEDURE

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

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

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

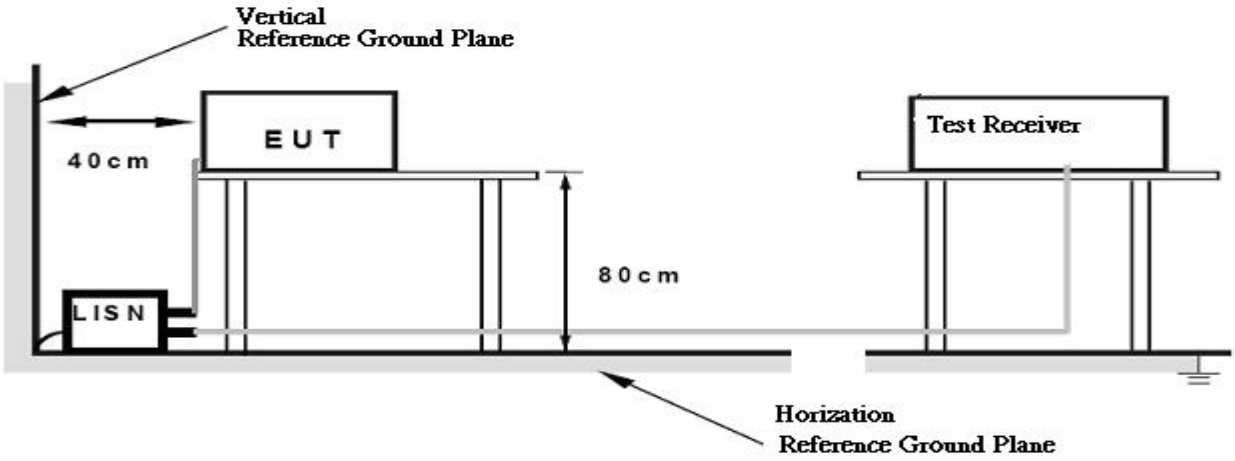
d. LISN at least 80 cm from nearest part of EUT chassis.

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Appendix A.

Remark:

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

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

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

Note:

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

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

4.2.2 TEST PROCEDURE

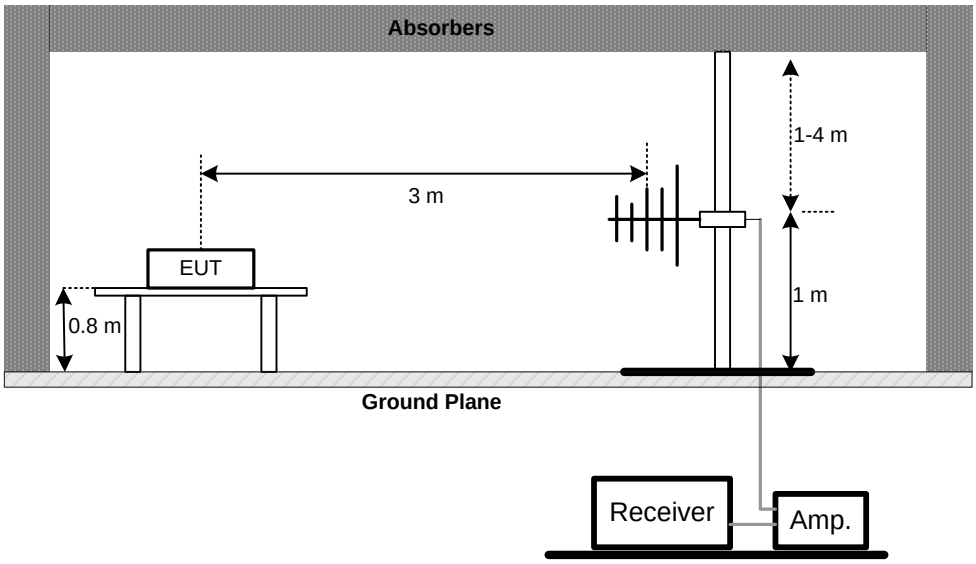
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

4.2.3 DEVIATION FROM TEST STANDARD

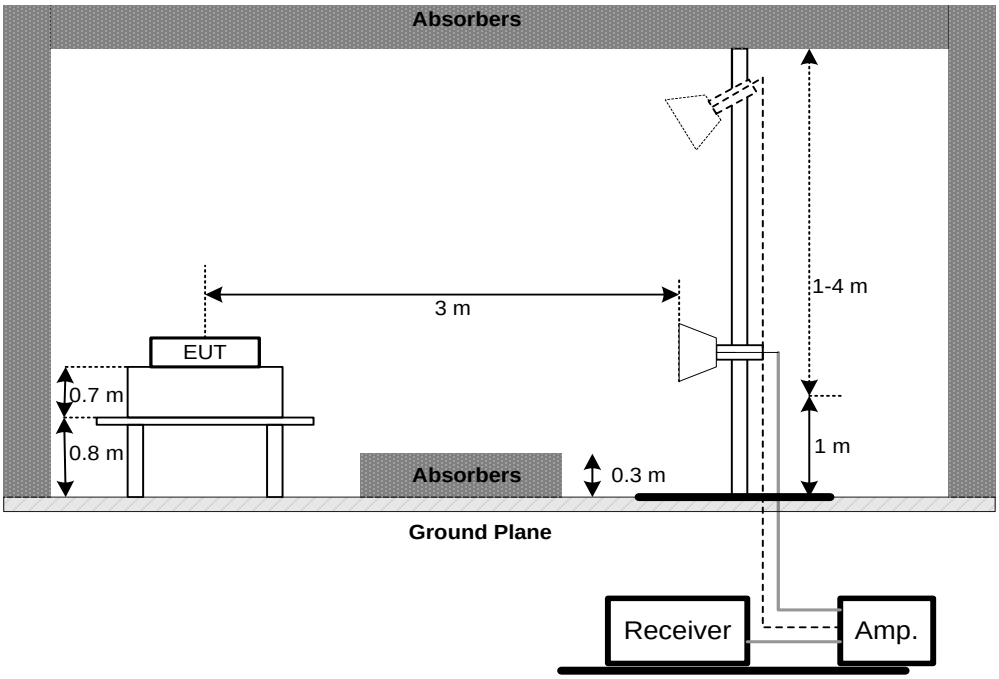
No deviation

4.2.4 TEST SETUP

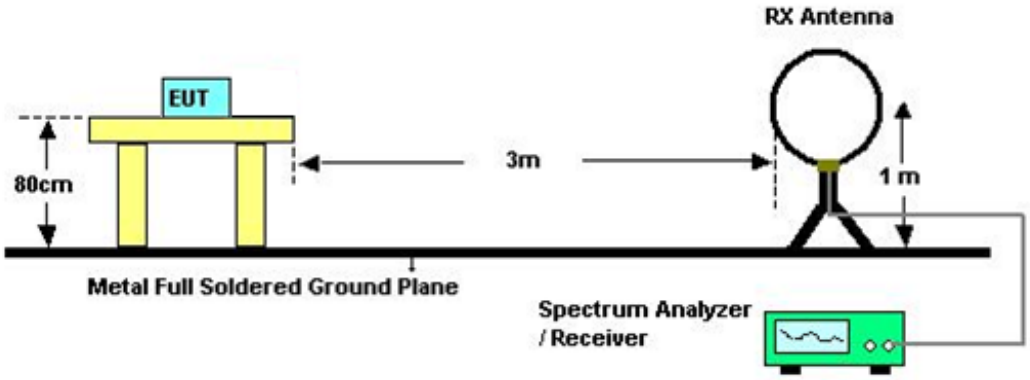
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



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



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Appendix B

Remark:

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

4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHz)

Please refer to the Appendix C.

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Appendix D.

Remark:

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

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

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

5.1.1 TEST PROCEDURE

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

b.

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

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Appendix E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

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

b.

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

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Appendix F.

7. POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

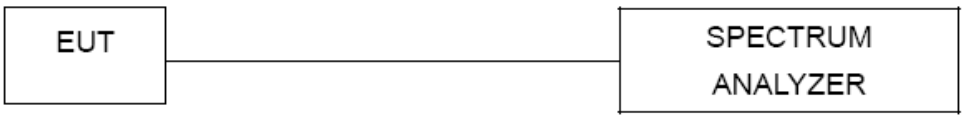
Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01r02, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
2. The value measured with RBW=1MHz is to be added with 10log(500kHz/1MHz) which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

7.1.1 DEVIATION FROM STANDARD

No deviation.

7.1.2 TEST SETUP



7.1.3 EUT OPERATION CONDITIONS

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

7.1.4 EUT TEST CONDITIONS

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

7.1.5 TEST RESULTS

Please refer to the Appendix H.

8. FREQUENCY STABILITY MEASUREMENT

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

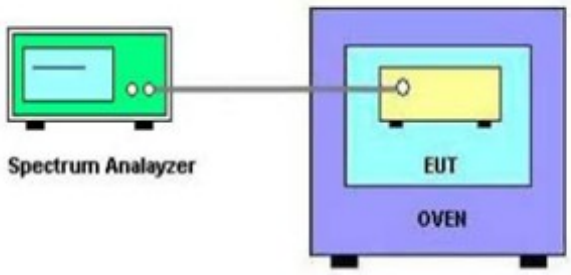
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Appendix I.

9. MEASUREMENT INSTRUMENTS LIST

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

Radiated Emission Below 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 19, 2018
3	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	Jun. 26, 2018
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Aug. 20, 2018

Radiated Emission Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 26, 2018
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 08, 2018
3	Amplifier	Agilent	8449B	3008A02274	May. 16, 2018
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
5	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
6	Antenna	EM	EM-6876-1	230	Mar. 06, 2018
7	Controller	CT	SC100	N/A	N/A
8	Controller	MF	MF-7802	MF780208416	N/A
9	Cable	emci	EMC104-SM-SM-1 2000(12m)	N/A	Jun. 26, 2018
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 2018

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

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 2018

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 2018
2	Precision Oven Tester	Bell	BTH-50C	20170306001	Mar. 26, 2018

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

10. EUT TEST PHOTOS

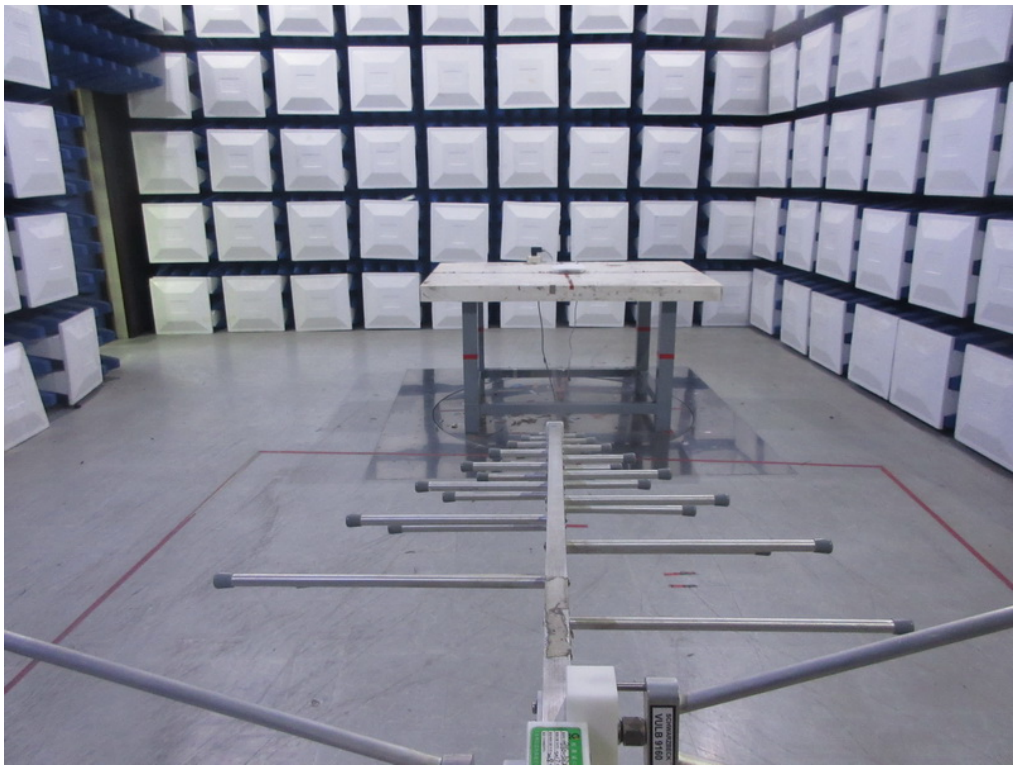
Conducted Measurement Photos

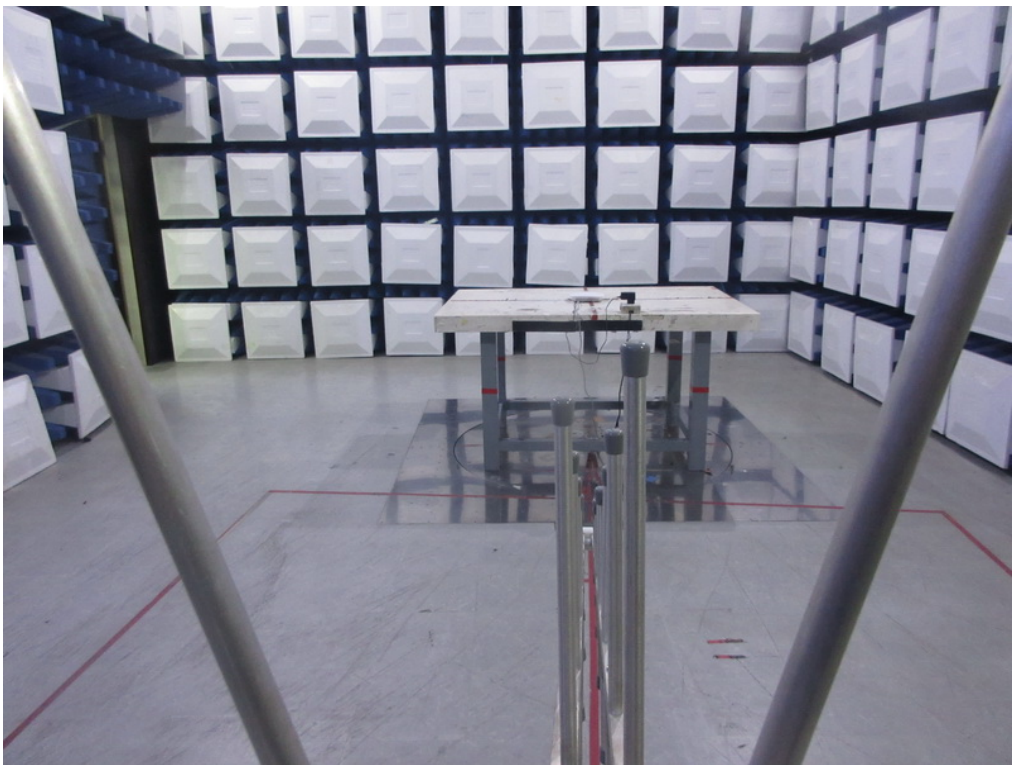
Radiated Measurement Photos

9KHz to 30MHz

Radiated Measurement Photos

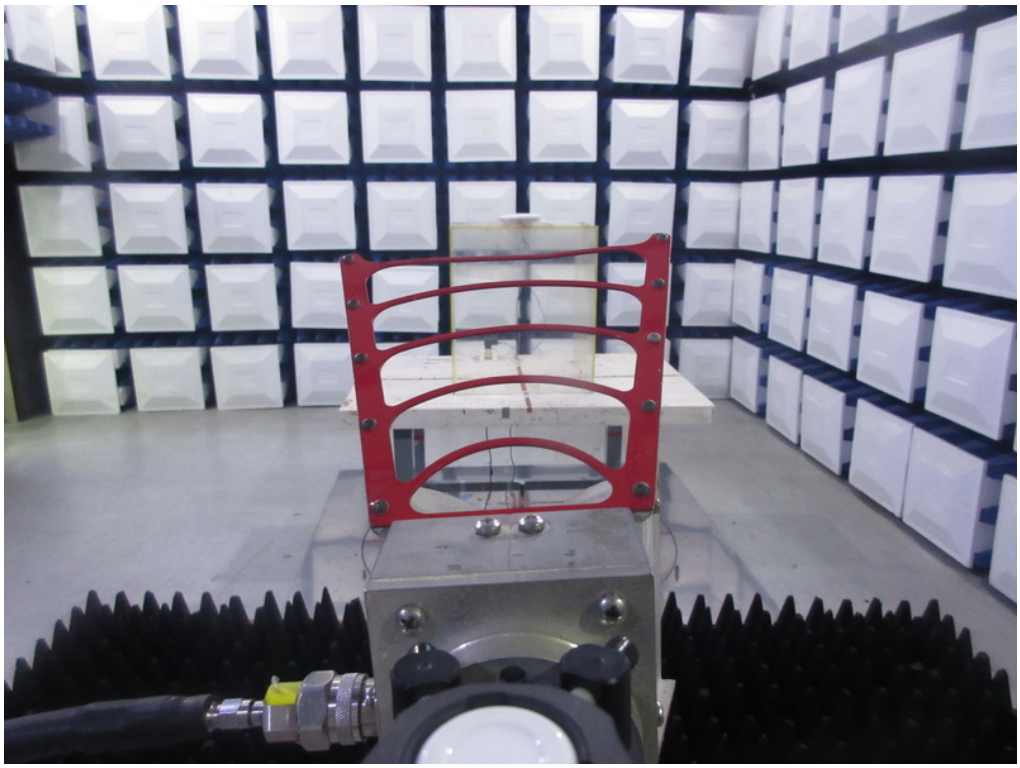
30MHz to 1000MHz





Radiated Measurement Photos

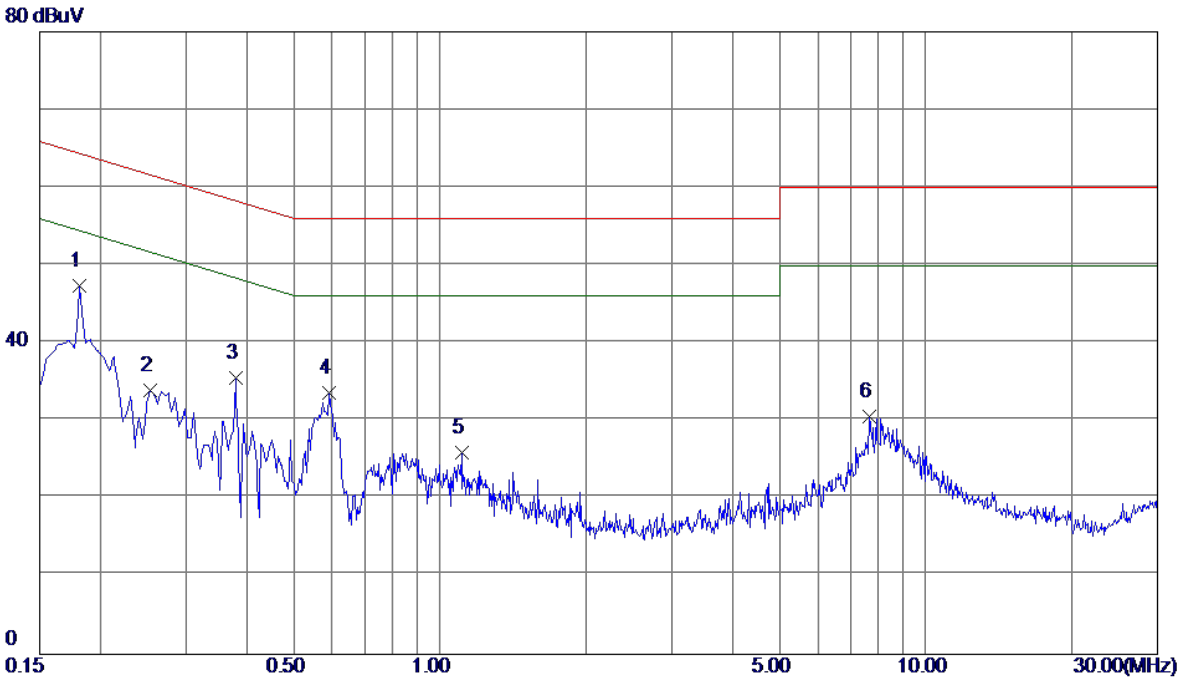
Above 1000MHz



APPENDIX A - CONDUCTED EMISSION

Test Mode:	TX MODE

Line

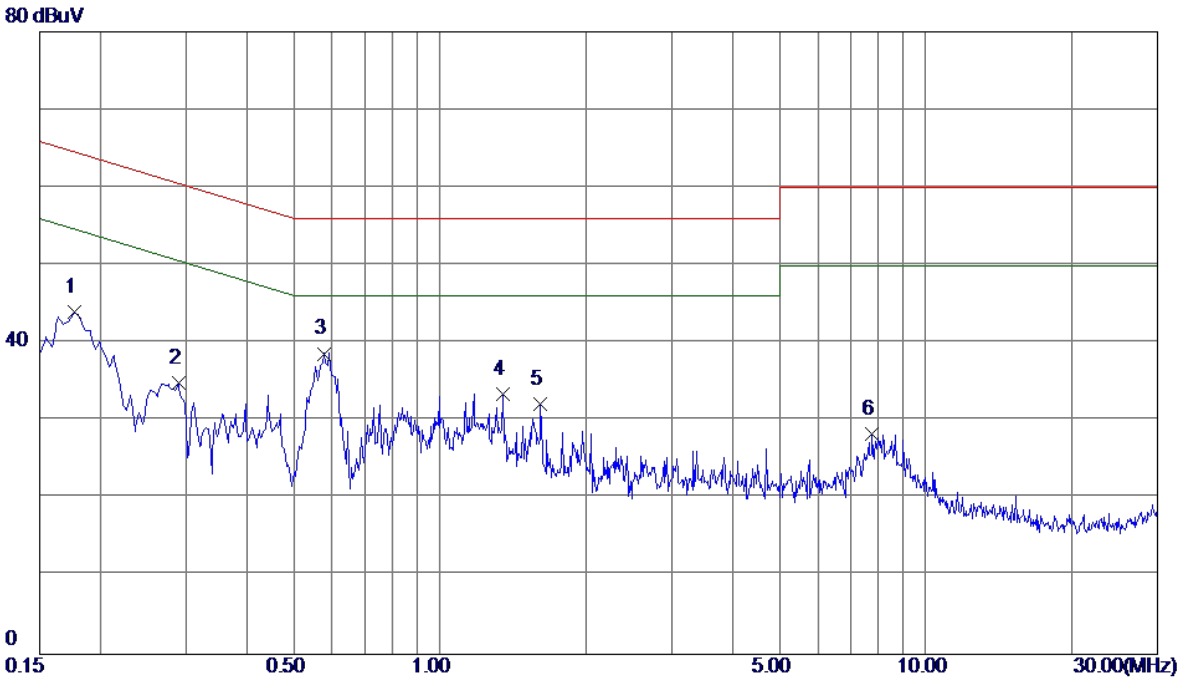


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1815	37.57	9.73	47.30	64.42	-17.12	Peak	
2	0.2535	24.27	9.72	33.99	61.64	-27.65	Peak	
3	0.3795	25.70	9.75	35.45	58.29	-22.84	Peak	
4	0.5910	23.79	9.76	33.55	56.00	-22.45	Peak	
5	1.1085	16.10	9.78	25.88	56.00	-30.12	Peak	
6	7.6605	20.52	10.00	30.52	60.00	-29.48	Peak	

Note：The test result has included the cable loss.

Test Mode:	TX MODE

Neutral



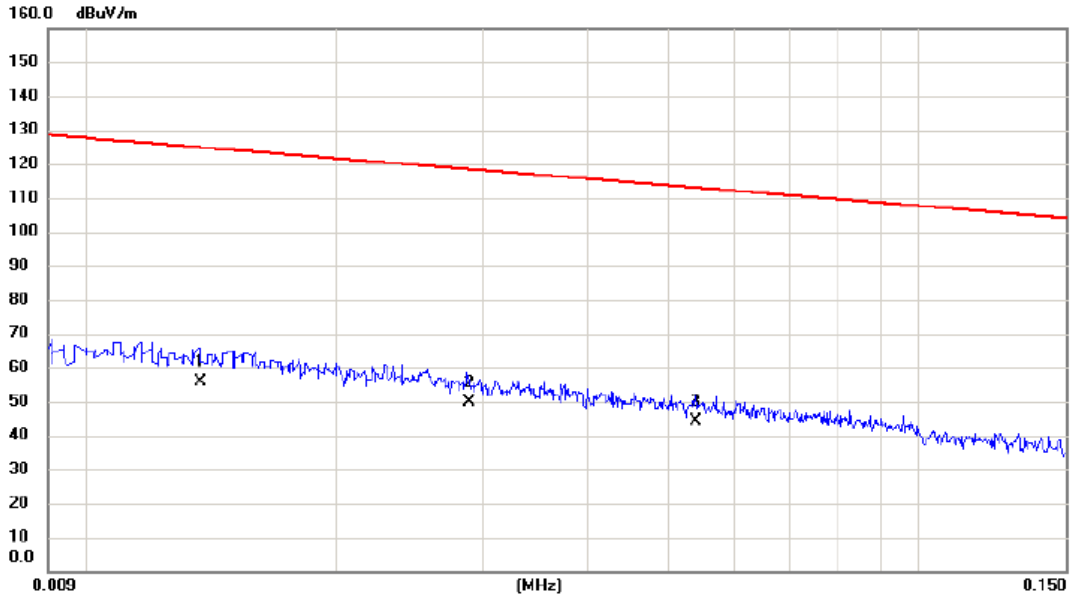
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1770	34.35	9.64	43.99	64.63	-20.64	Peak	
2	0.2895	25.18	9.64	34.82	60.54	-25.72	Peak	
3 *	0.5775	28.98	9.66	38.64	56.00	-17.36	Peak	
4	1.3515	23.71	9.69	33.40	56.00	-22.60	Peak	
5	1.6125	22.52	9.71	32.23	56.00	-23.77	Peak	
6	7.7640	18.45	9.93	28.38	60.00	-31.62	Peak	

Note：The test result has included the cable loss.

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

Test Mode:	TX MODE

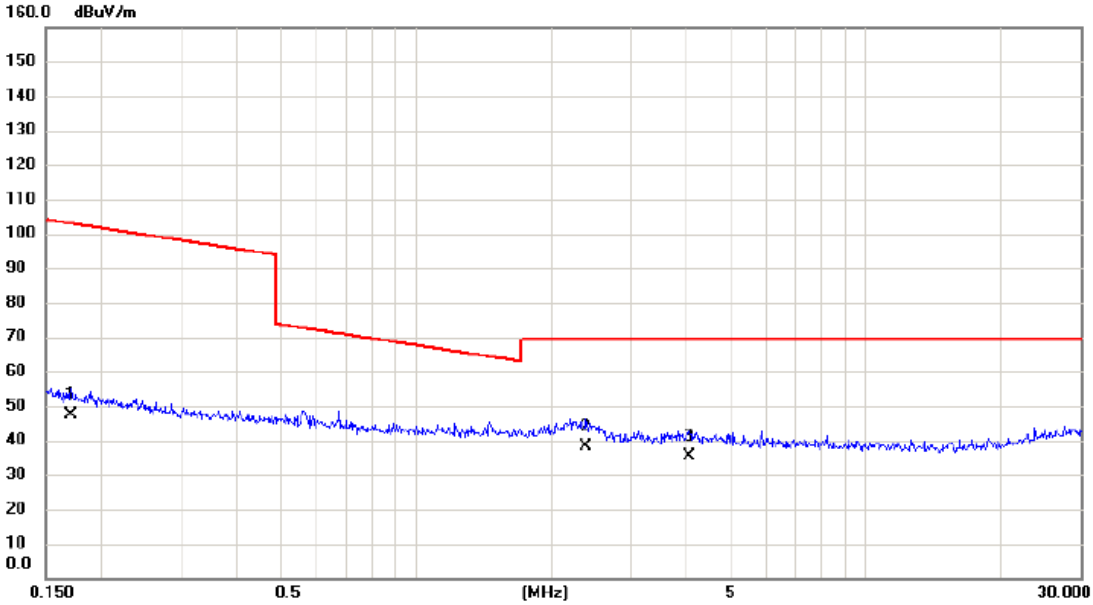
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0137	35.22	20.44	55.66	124.87	-69.21	AVG	
2	*	0.0288	30.48	19.36	49.84	118.42	-68.58	AVG	
3		0.0540	25.49	18.64	44.13	112.96	-68.83	AVG	

Test Mode:	TX MODE

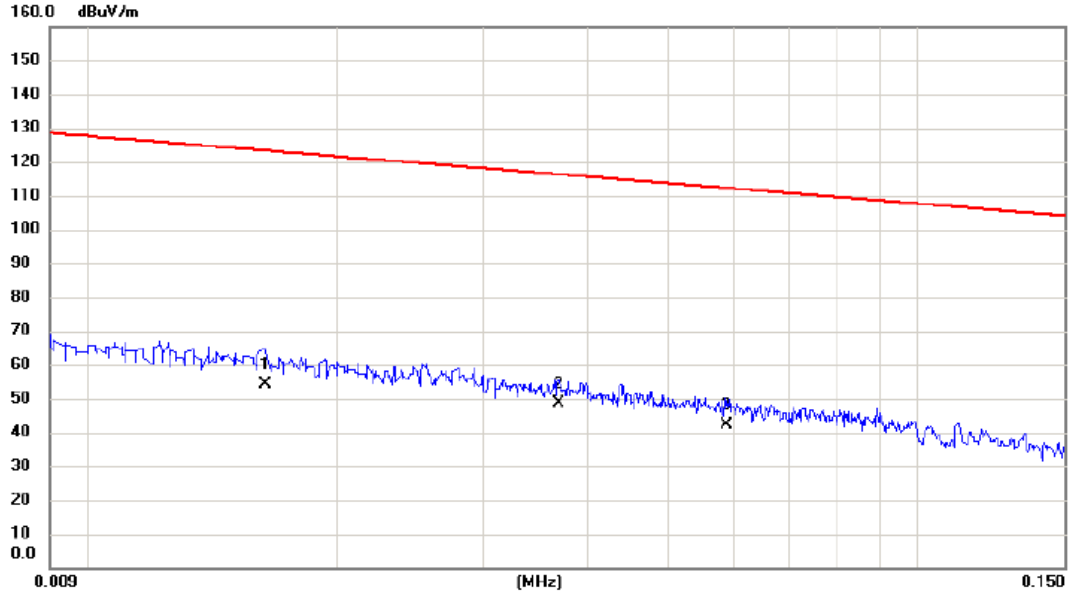
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1712	30.41	16.89	47.30	102.94	-55.64	AVG	
2	*	2.3836	22.69	15.40	38.09	69.54	-31.45	QP	
3		4.0490	20.47	14.92	35.39	69.54	-34.15	QP	

Test Mode:	TX MODE

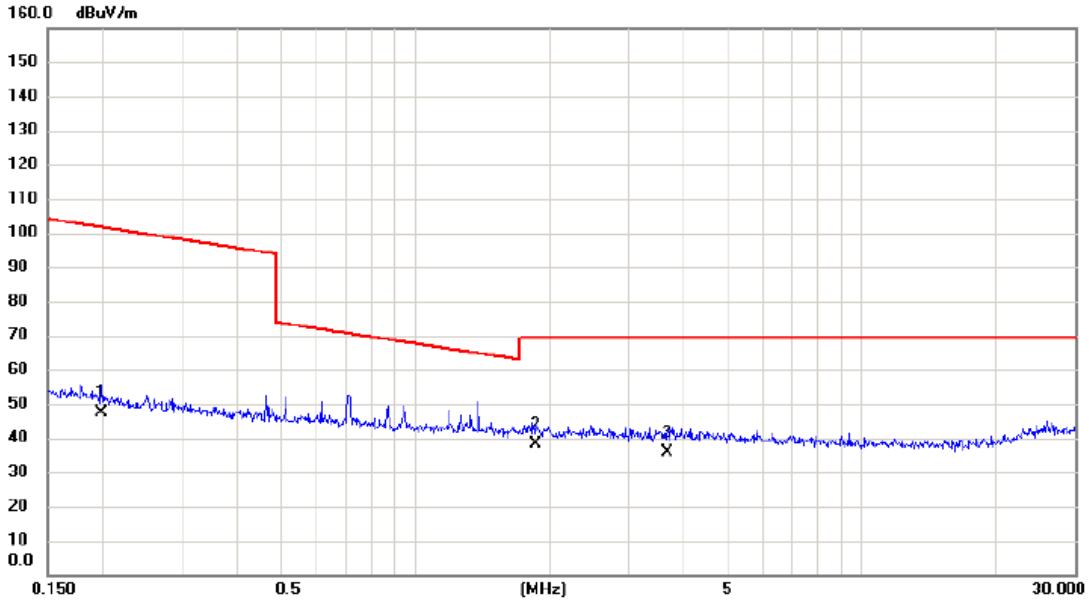
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0164	34.26	20.09	54.35	123.31	-68.96	AVG	
2	*	0.0370	29.48	19.11	48.59	116.24	-67.65	AVG	
3		0.0588	23.57	18.55	42.12	112.22	-70.10	AVG	

Test Mode:	TX MODE

Ant 90°

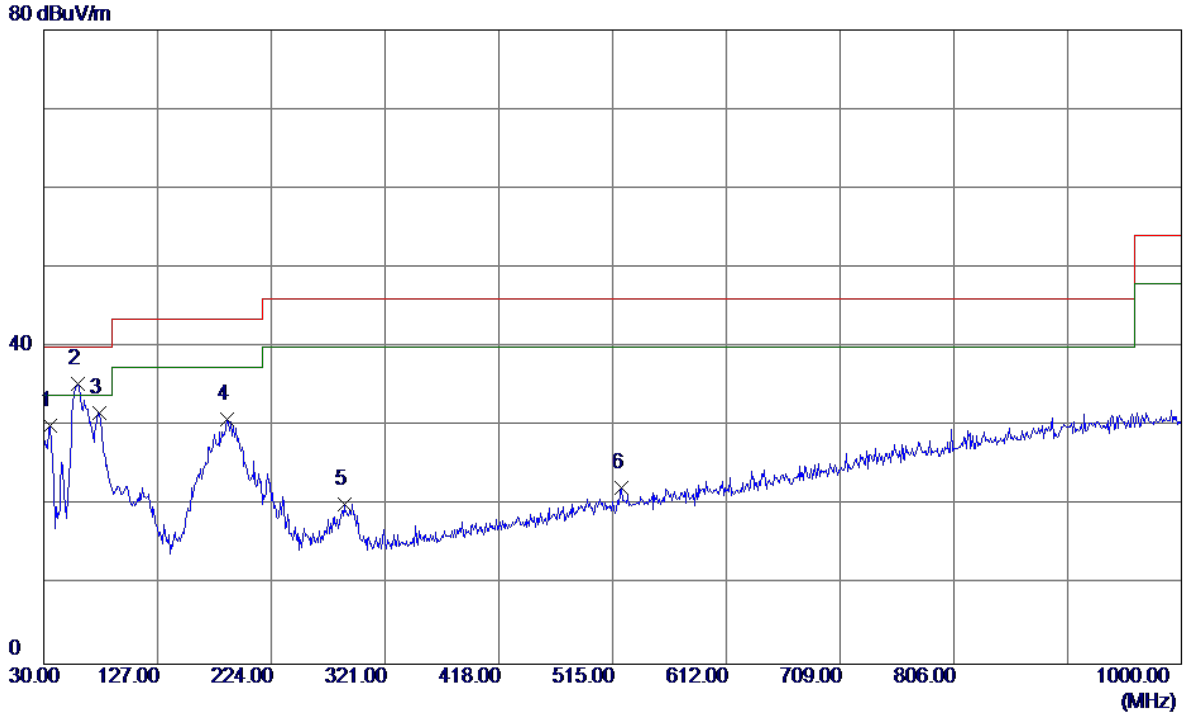


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1986	30.48	16.80	47.28	101.65	-54.37	AVG	
2	*	1.8581	22.76	15.57	38.33	69.54	-31.21	QP	
3		3.6611	20.61	15.04	35.65	69.54	-33.89	QP	

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

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

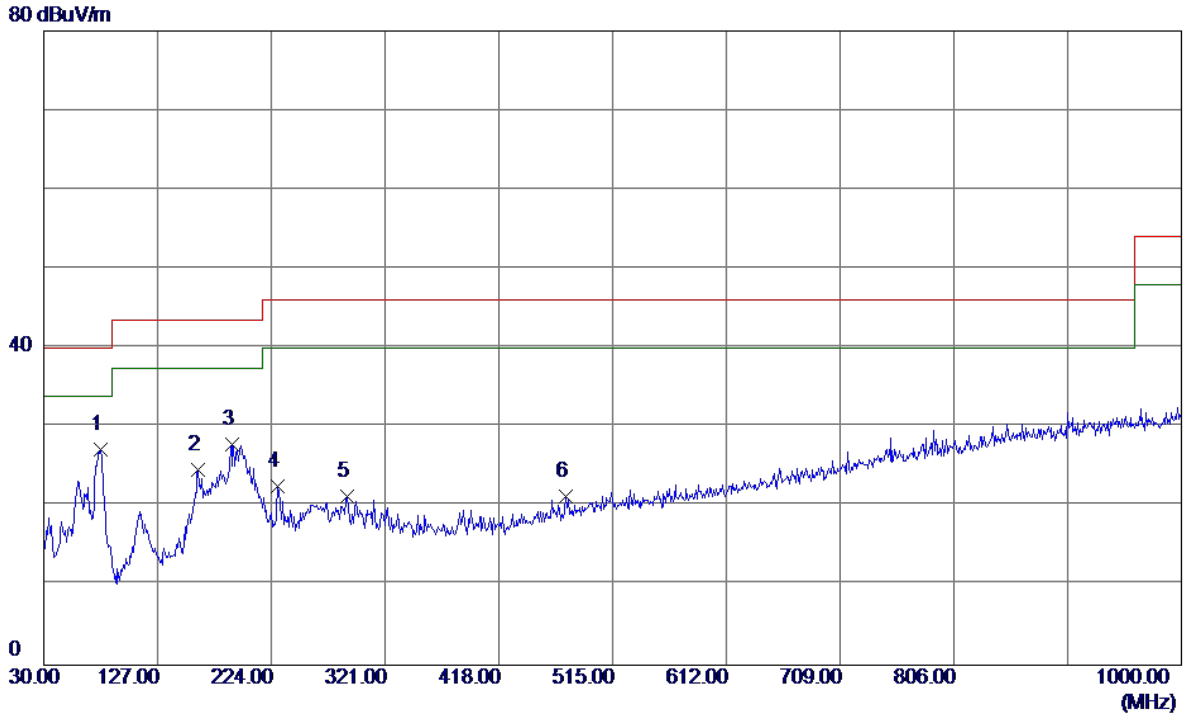
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	35.8200	44.53	-14.51	30.02	40.00	-9.98	Peak	
2 *	59.1000	49.57	-14.22	35.35	40.00	-4.65	Peak	
3	77.5300	49.38	-17.67	31.71	40.00	-8.29	Peak	
4	186.1700	43.49	-12.54	30.95	43.50	-12.55	Peak	
5	286.0799	34.59	-14.42	20.17	46.00	-25.83	Peak	
6	522.7600	30.56	-8.26	22.30	46.00	-23.70	Peak	

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

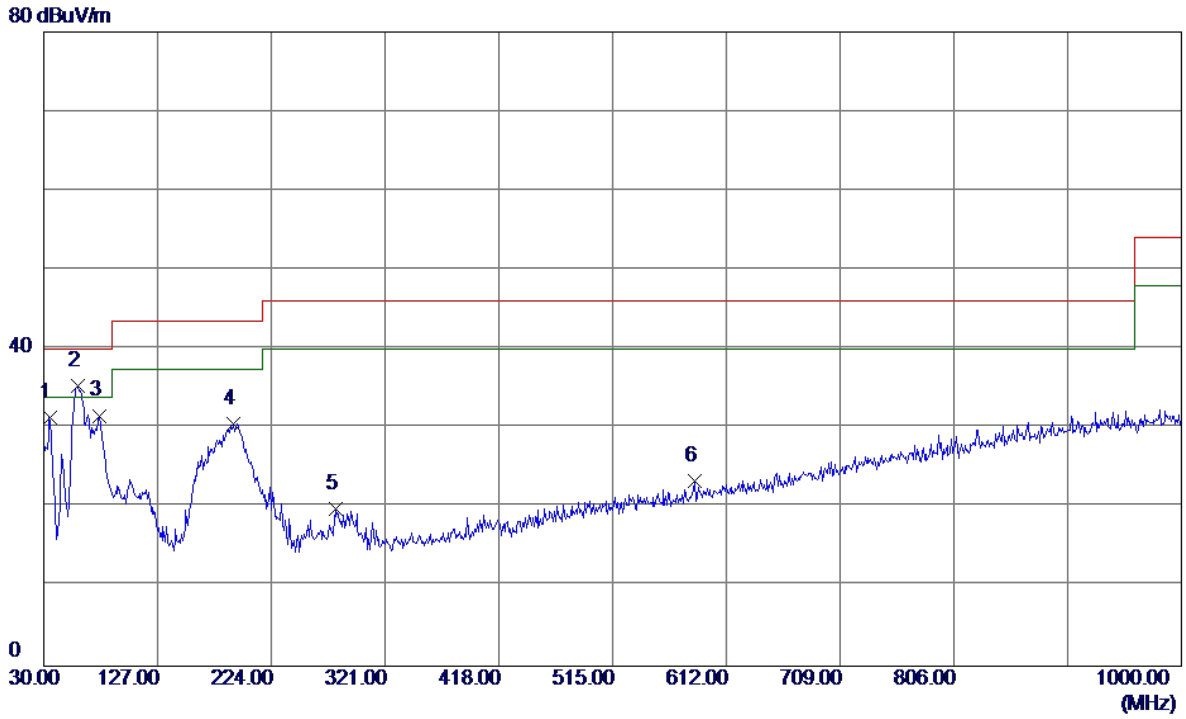
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	78.5000	45.08	-17.89	27.19	40.00	-12.81	Peak	
2	161.9200	37.48	-12.82	24.66	43.50	-18.84	Peak	
3	190.0500	40.65	-12.85	27.80	43.50	-15.70	Peak	
4	229.8200	36.72	-14.13	22.59	46.00	-23.41	Peak	
5	288.9900	35.48	-14.26	21.22	46.00	-24.78	Peak	
6	475.2300	30.54	-9.32	21.22	46.00	-24.78	Peak	

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

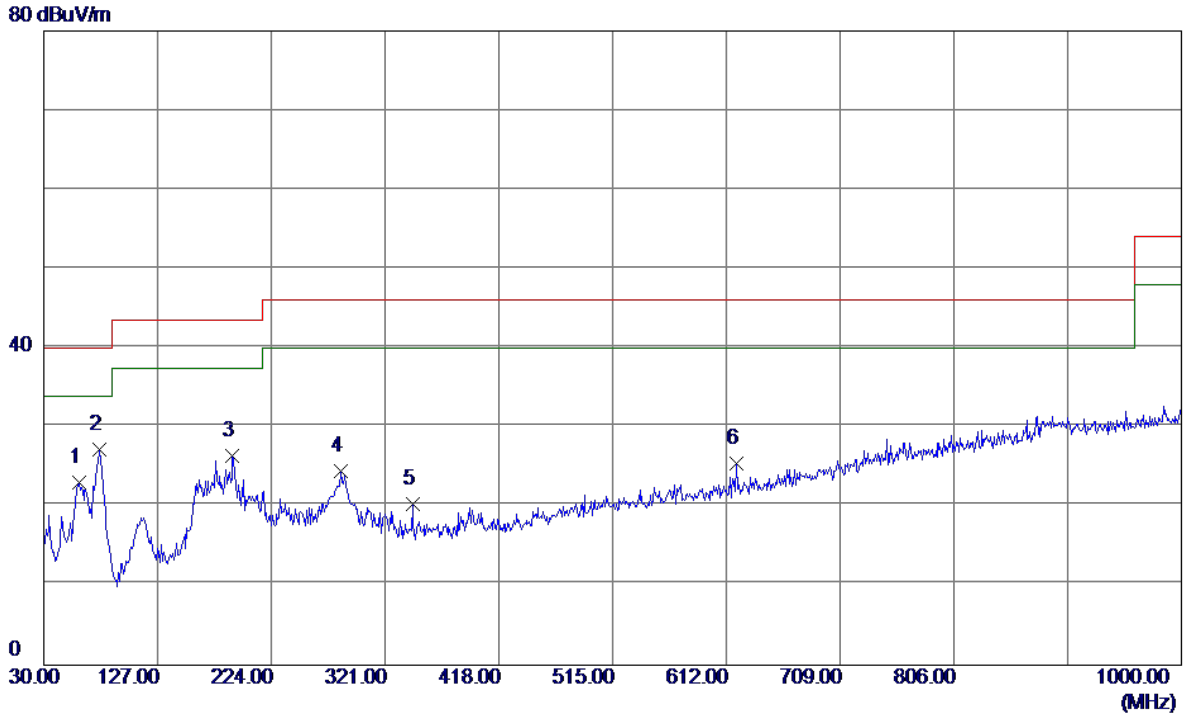
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	34.8500	45.92	-14.62	31.30	40.00	-8.70	Peak	
2 *	59.1000	49.54	-14.22	35.32	40.00	-4.68	Peak	
3	77.5300	49.27	-17.67	31.60	40.00	-8.40	Peak	
4	191.9900	43.66	-13.03	30.63	43.50	-12.87	Peak	
5	279.2900	34.65	-14.85	19.80	46.00	-26.20	Peak	
6	584.8400	30.18	-6.81	23.37	46.00	-22.63	Peak	

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

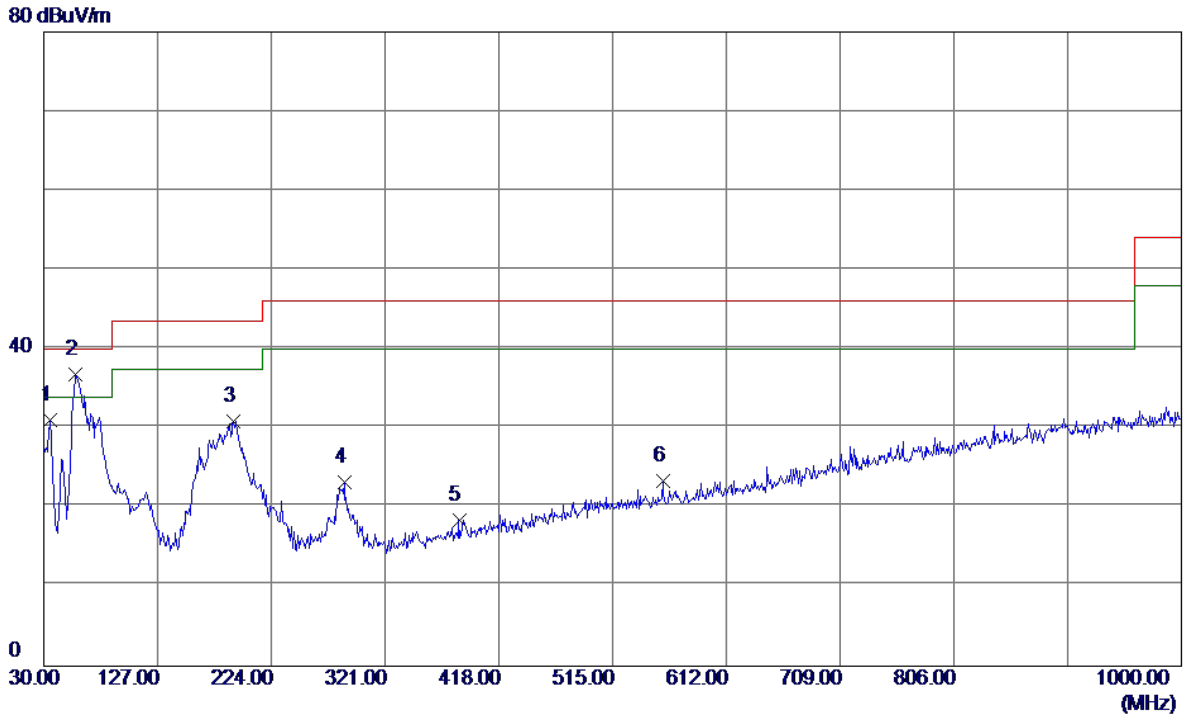
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	60.0700	37.37	-14.32	23.05	40.00	-16.95	Peak	
2 *	77.5300	44.84	-17.67	27.17	40.00	-12.83	Peak	
3	191.0200	39.36	-12.94	26.42	43.50	-17.08	Peak	
4	283.1700	39.13	-14.59	24.54	46.00	-21.46	Peak	
5	344.2800	32.40	-12.06	20.34	46.00	-25.66	Peak	
6	620.7300	31.45	-6.03	25.42	46.00	-20.58	Peak	

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

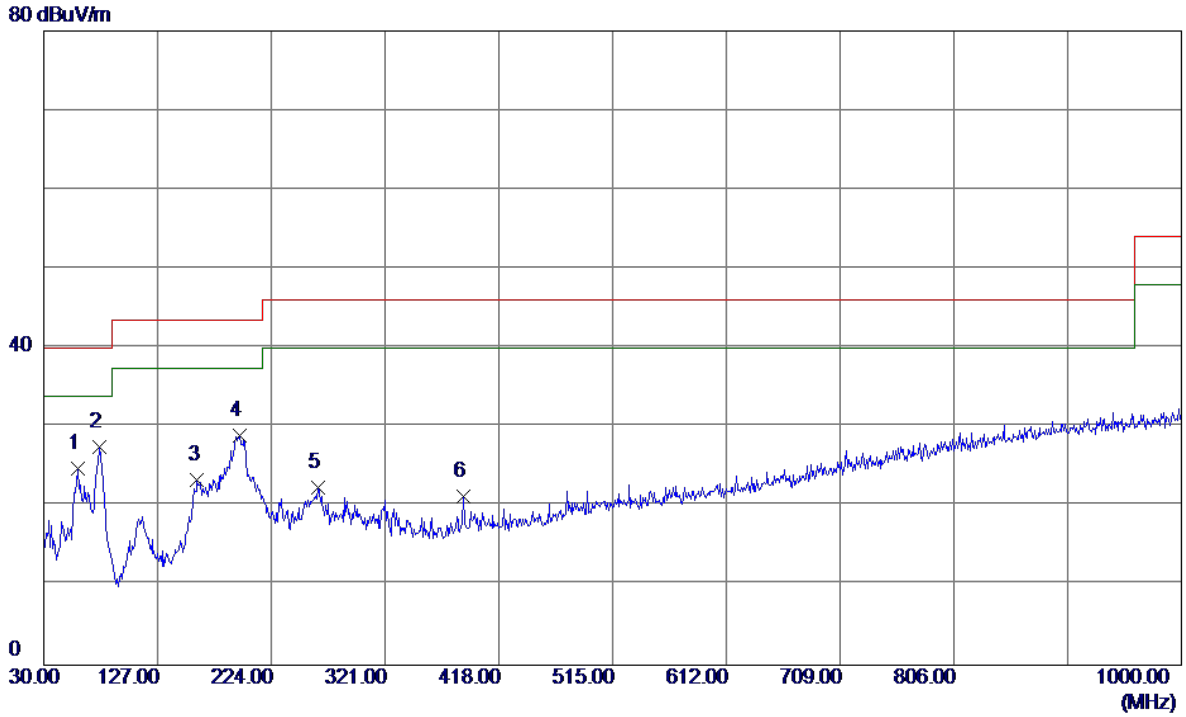
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	35.8200	45.58	-14.51	31.07	40.00	-8.93	Peak	
2 *	57.1600	50.78	-14.04	36.74	40.00	-3.26	Peak	
3	191.9900	43.89	-13.03	30.86	43.50	-12.64	Peak	
4	286.0799	37.64	-14.42	23.22	46.00	-22.78	Peak	
5	384.0500	29.90	-11.55	18.35	46.00	-27.65	Peak	
6	557.6800	30.83	-7.52	23.31	46.00	-22.69	Peak	

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

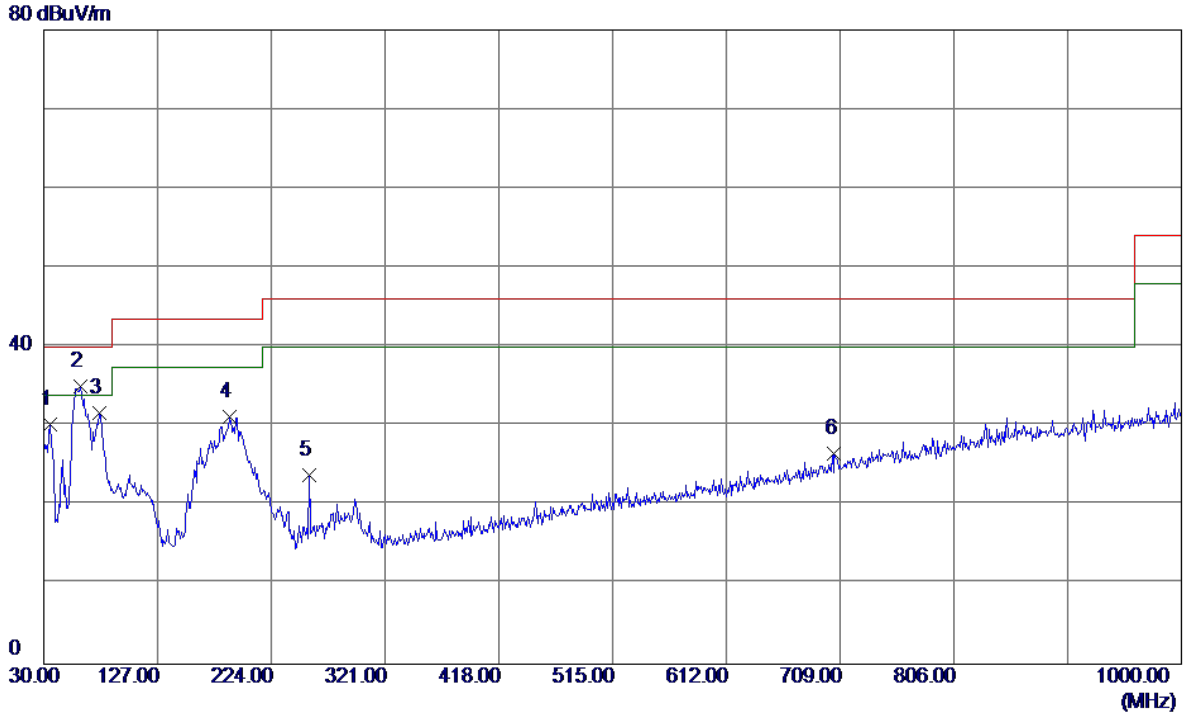
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	59.1000	38.97	-14.22	24.75	40.00	-15.25	Peak	
2 *	77.5300	45.24	-17.67	27.57	40.00	-12.43	Peak	
3	160.9500	36.24	-12.87	23.37	43.50	-20.13	Peak	
4	196.8400	42.40	-13.46	28.94	43.50	-14.56	Peak	
5	263.7700	38.19	-15.76	22.43	46.00	-23.57	Peak	
6	387.9300	32.85	-11.50	21.35	46.00	-24.65	Peak	

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

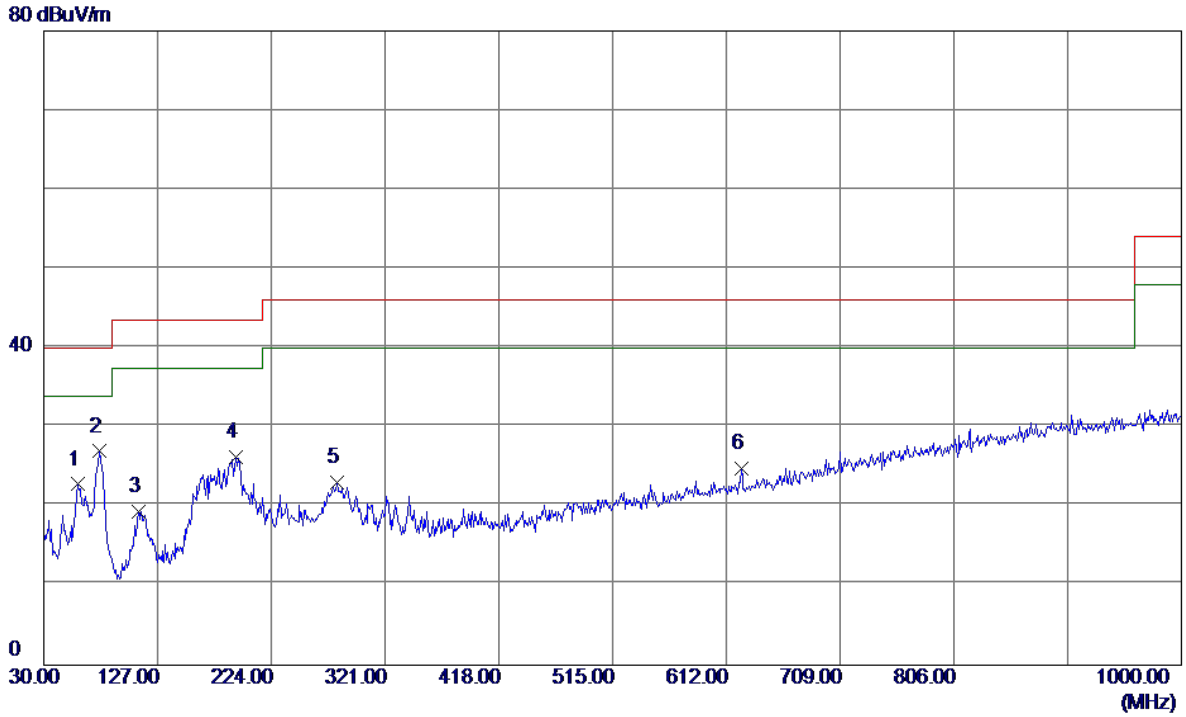
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	35.8200	44.73	-14.51	30.22	40.00	-9.78	Peak	
2 *	61.0400	49.50	-14.48	35.02	40.00	-4.98	Peak	
3	77.5300	49.33	-17.67	31.66	40.00	-8.34	Peak	
4	188.1100	43.92	-12.69	31.23	43.50	-12.27	Peak	
5	256.0100	39.22	-15.38	23.84	46.00	-22.16	Peak	
6	704.1500	30.38	-3.82	26.56	46.00	-19.44	Peak	

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

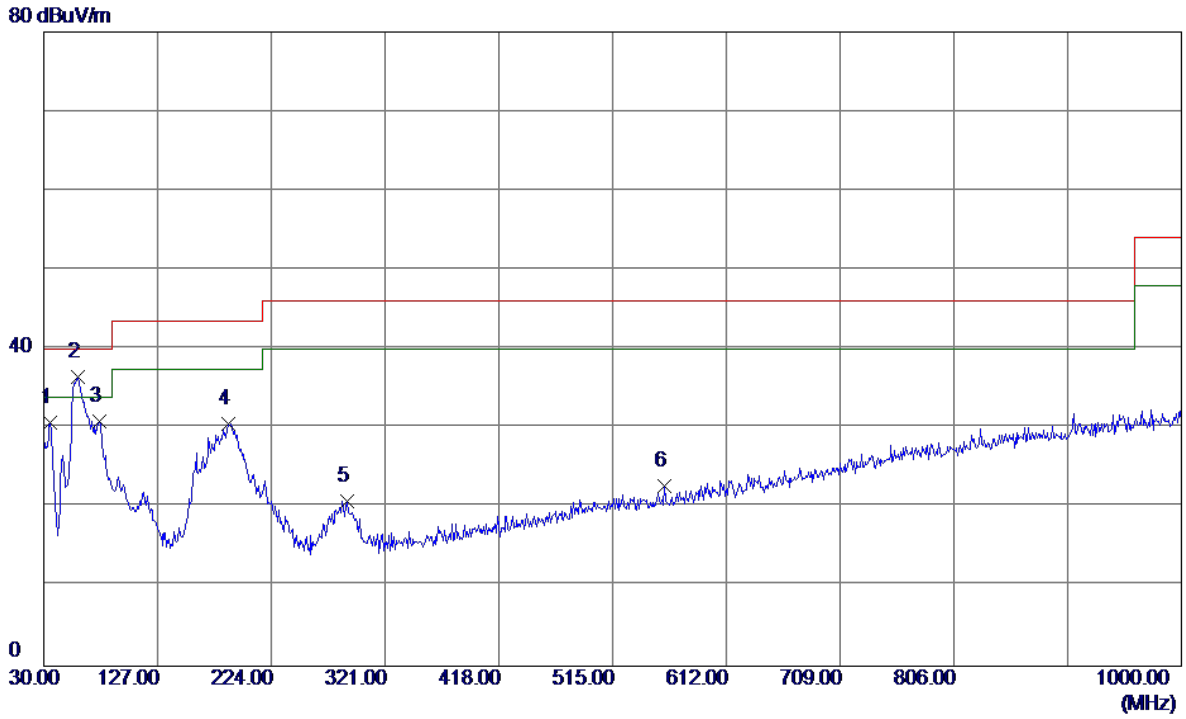
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	59.1000	37.02	-14.22	22.80	40.00	-17.20	Peak	
2 *	77.5300	44.63	-17.67	26.96	40.00	-13.04	Peak	
3	110.5100	35.57	-16.15	19.42	43.50	-24.08	Peak	
4	193.9299	39.39	-13.20	26.19	43.50	-17.31	Peak	
5	280.2600	37.83	-14.76	23.07	46.00	-22.93	Peak	
6	624.6100	30.72	-5.95	24.77	46.00	-21.23	Peak	

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

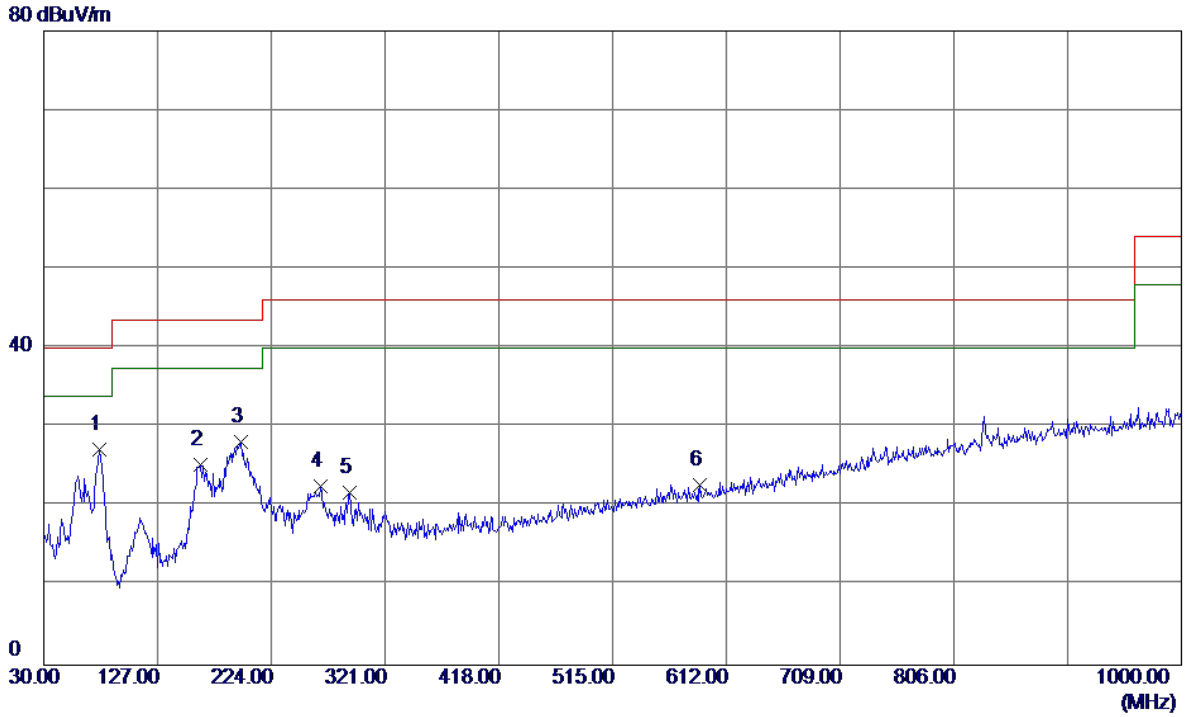
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	35.8200	45.26	-14.51	30.75	40.00	-9.25	Peak	
2 *	59.1000	50.63	-14.22	36.41	40.00	-3.59	Peak	
3	77.5300	48.60	-17.67	30.93	40.00	-9.07	Peak	
4	187.1400	43.19	-12.61	30.58	43.50	-12.92	Peak	
5	288.9900	35.09	-14.26	20.83	46.00	-25.17	Peak	
6	559.6200	30.24	-7.47	22.77	46.00	-23.23	Peak	

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

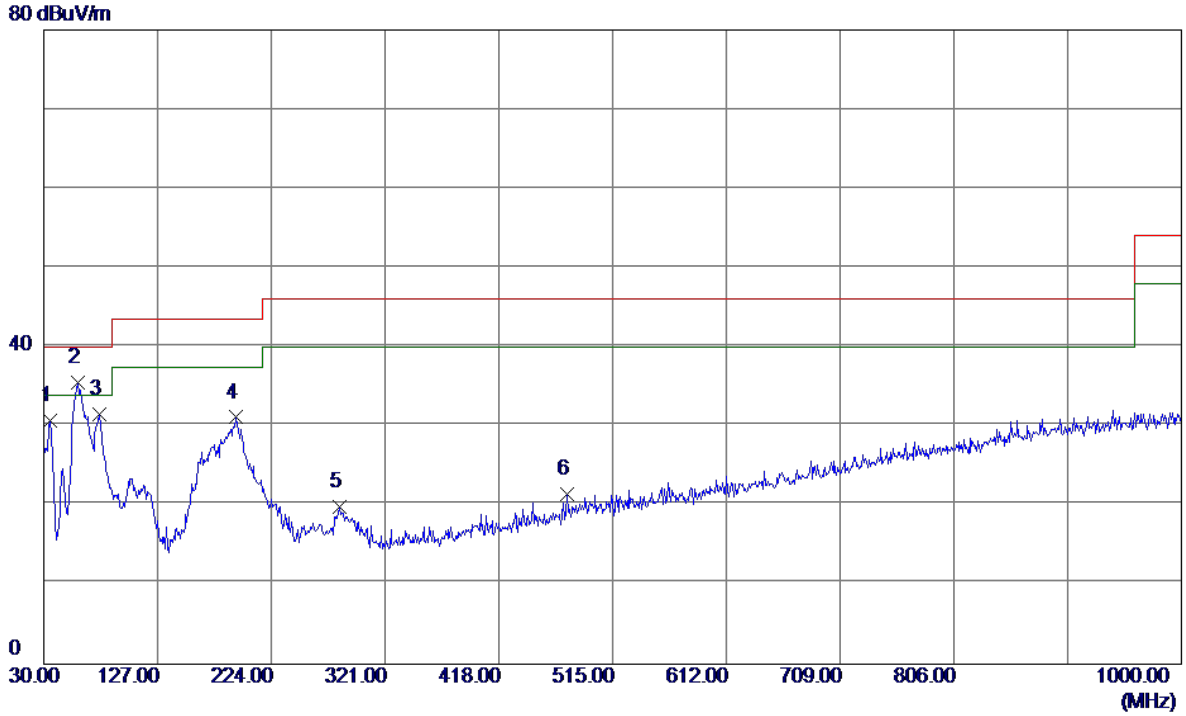
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	77.5300	44.80	-17.67	27.13	40.00	-12.87	Peak	
2	163.8600	37.98	-12.70	25.28	43.50	-18.22	Peak	
3	197.8100	41.69	-13.55	28.14	43.50	-15.36	Peak	
4	265.7100	38.34	-15.79	22.55	46.00	-23.45	Peak	
5	290.9300	35.87	-14.07	21.80	46.00	-24.20	Peak	
6	589.6900	29.42	-6.69	22.73	46.00	-23.27	Peak	

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

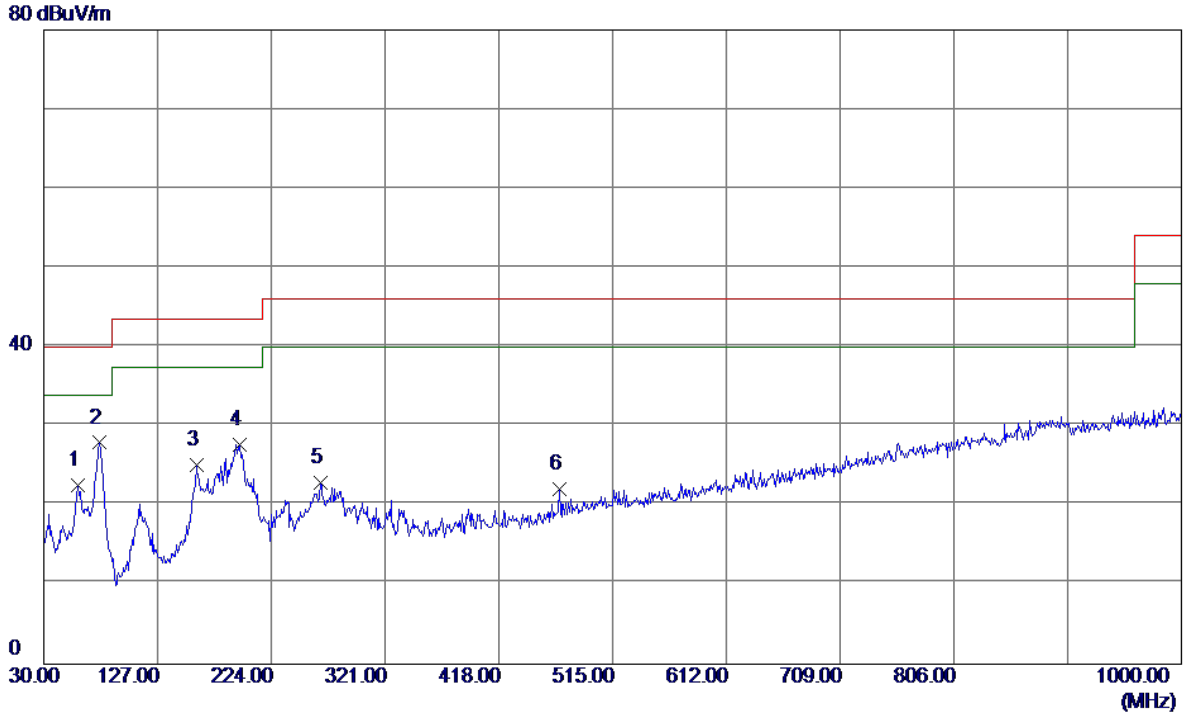
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	35.8200	45.21	-14.51	30.70	40.00	-9.30	Peak	
2 *	59.1000	49.74	-14.22	35.52	40.00	-4.48	Peak	
3	77.5300	49.21	-17.67	31.54	40.00	-8.46	Peak	
4	193.9299	44.32	-13.20	31.12	43.50	-12.38	Peak	
5	282.2000	34.53	-14.65	19.88	46.00	-26.12	Peak	
6	476.2000	30.68	-9.30	21.38	46.00	-24.62	Peak	

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

Horizontal

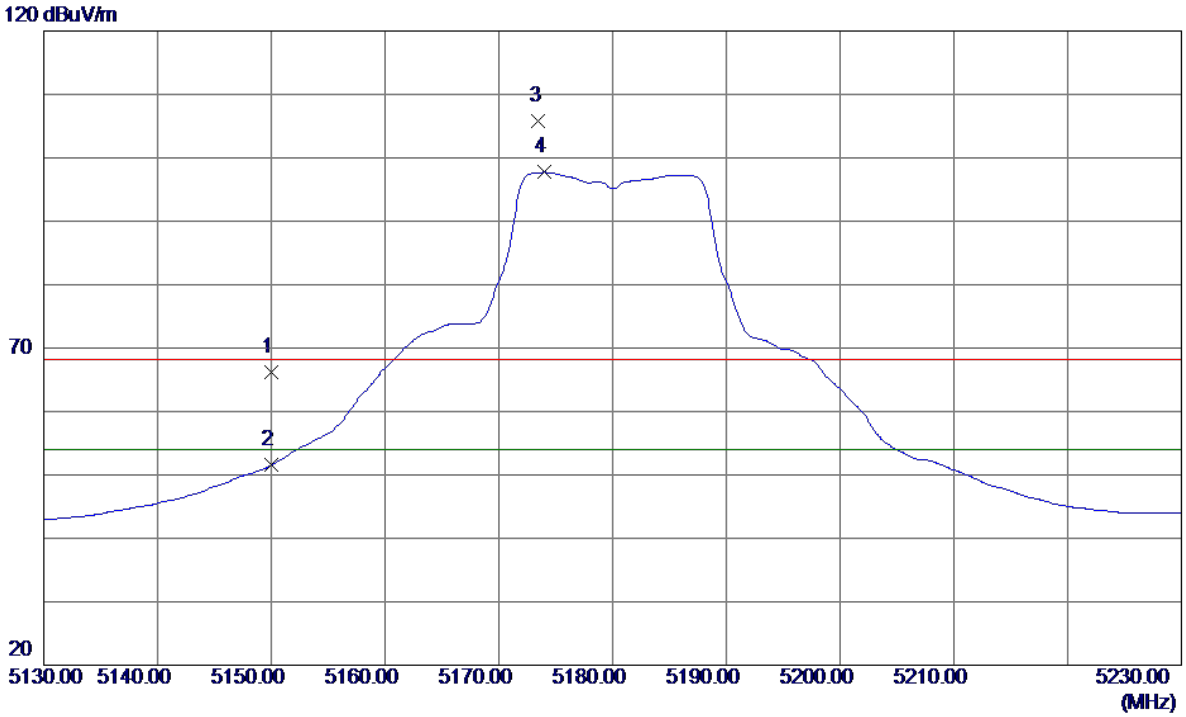


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	59.1000	36.77	-14.22	22.55	40.00	-17.45	Peak	
2 *	77.5300	45.59	-17.67	27.92	40.00	-12.08	Peak	
3	159.9800	38.02	-12.93	25.09	43.50	-18.41	Peak	
4	196.8400	41.11	-13.46	27.65	43.50	-15.85	Peak	
5	265.7100	38.69	-15.79	22.90	46.00	-23.10	Peak	
6	469.4100	31.53	-9.47	22.06	46.00	-23.94	Peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

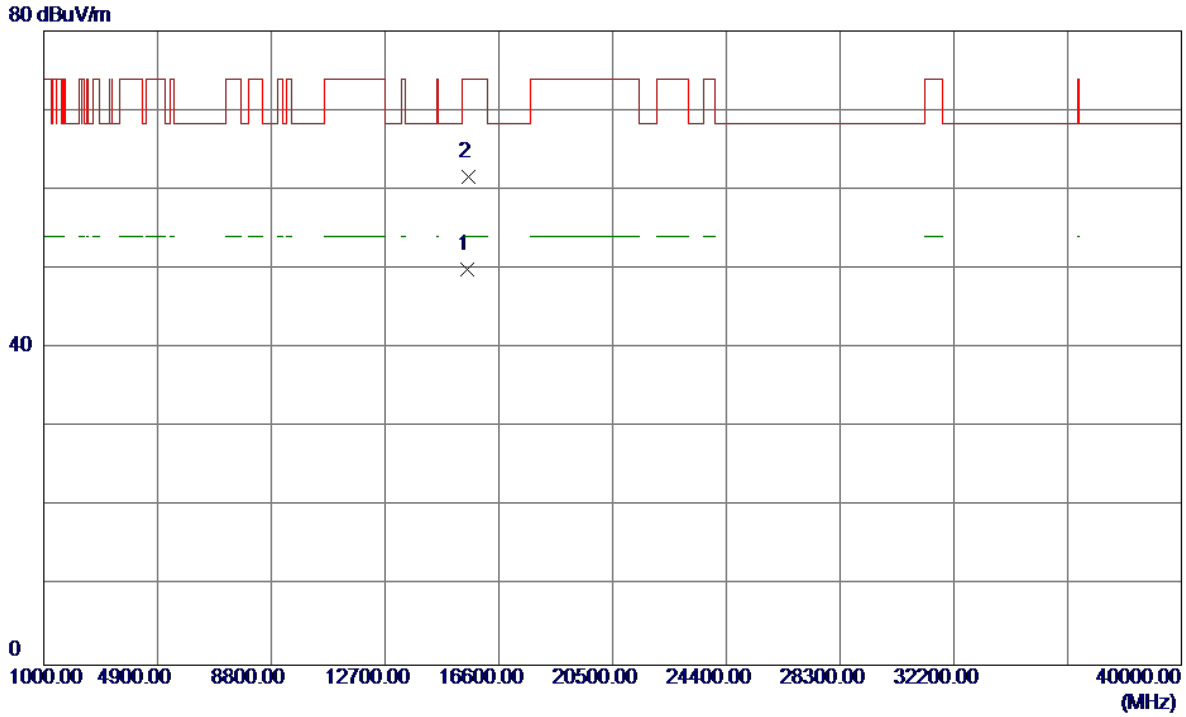
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	25.03	41.10	66.13	68.30	-2.17	Peak	
2	5150.0000	10.48	41.10	51.58	54.00	-2.42	AVG	
3	5173.5000	64.67	41.22	105.89	68.30	37.59	Peak	No Limit
4 *	5174.0000	56.49	41.22	97.71	54.00	43.71	AVG	No Limit

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

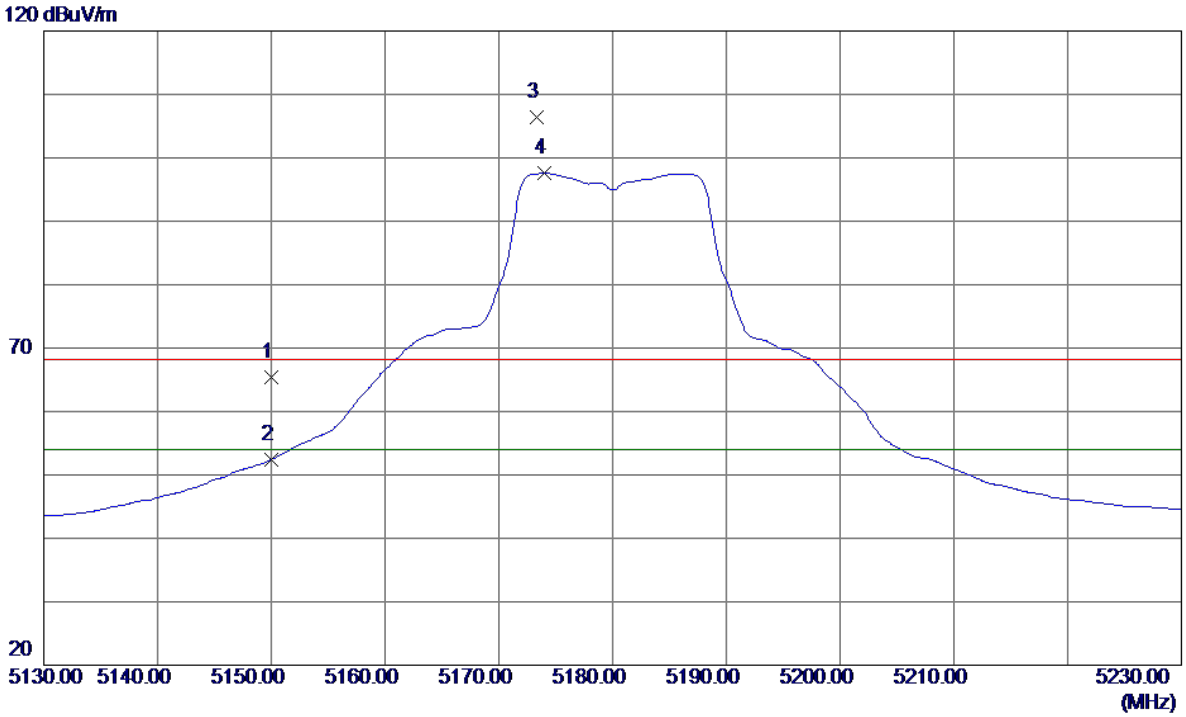
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	15537.4500	26.59	23.27	49.86	54.00	-4.14	AVG	
2	15541.6000	38.38	23.27	61.65	74.00	-12.35	Peak	

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

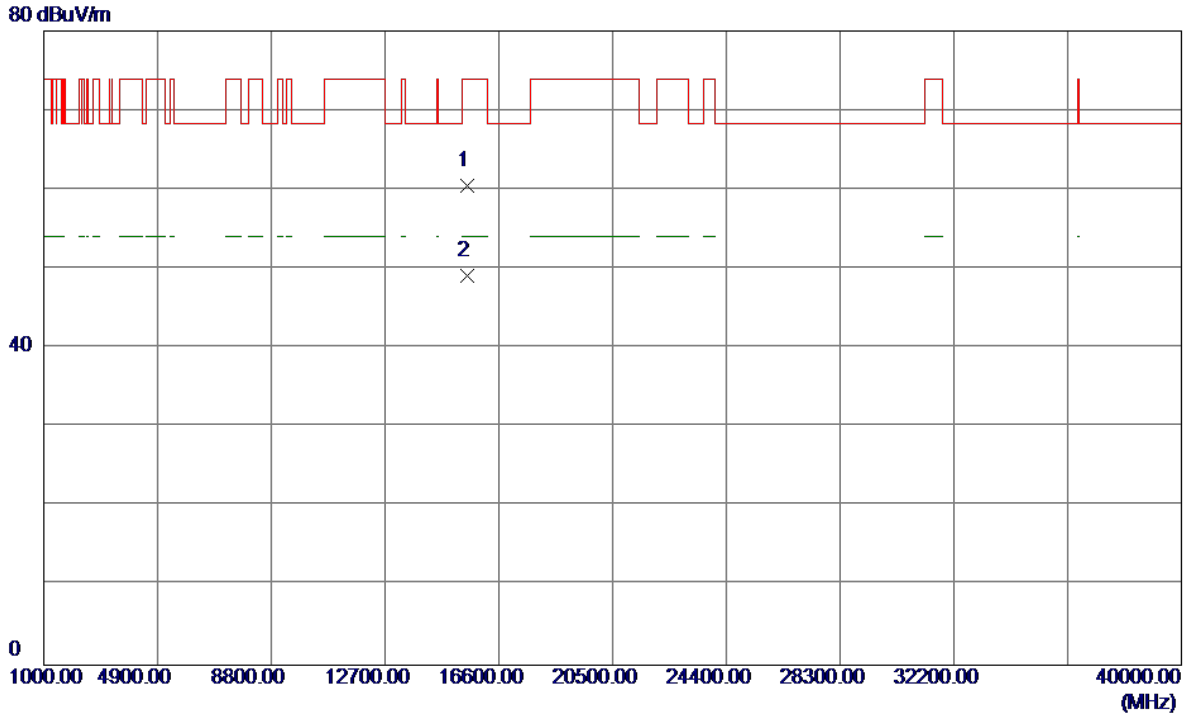
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	24.30	41.10	65.40	68.30	-2.90	Peak	
2	5150.0000	11.34	41.10	52.44	54.00	-1.56	AVG	
3	5173.3000	65.16	41.22	106.38	68.30	38.08	Peak	No Limit
4 *	5174.0000	56.33	41.22	97.55	54.00	43.55	AVG	No Limit

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

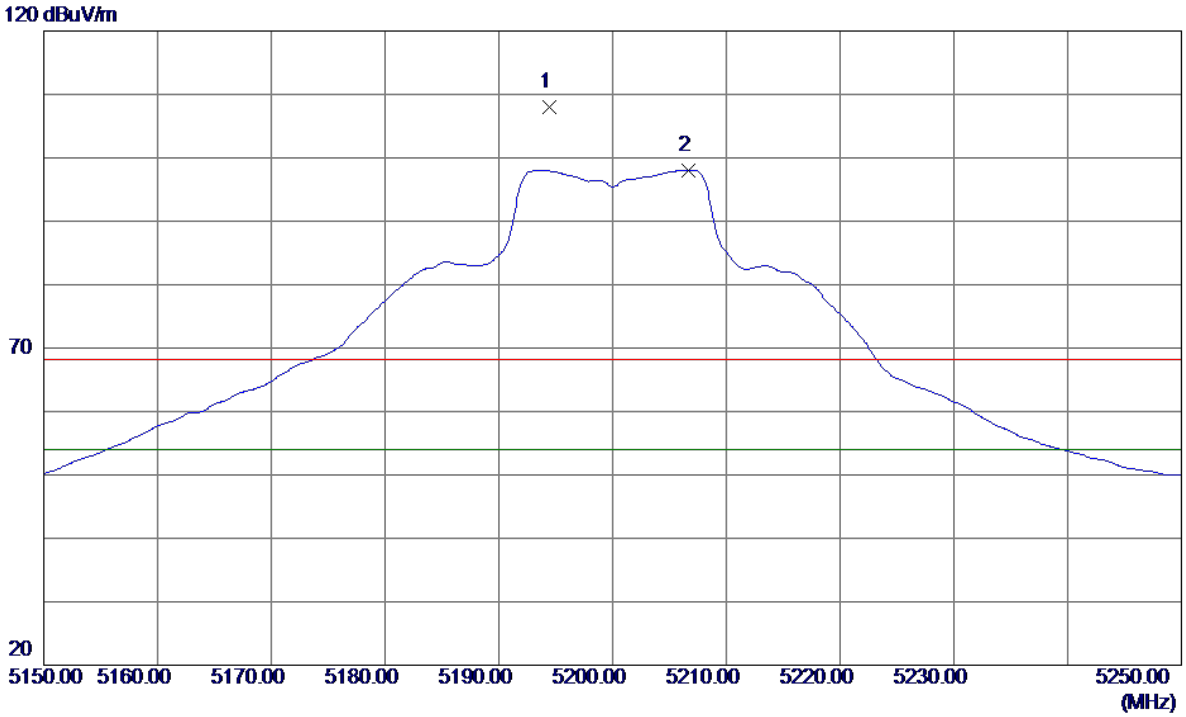
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	15536.5400	37.27	23.26	60.53	74.00	-13.47	Peak	
2 *	15537.1000	25.89	23.27	49.16	54.00	-4.84	AVG	

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

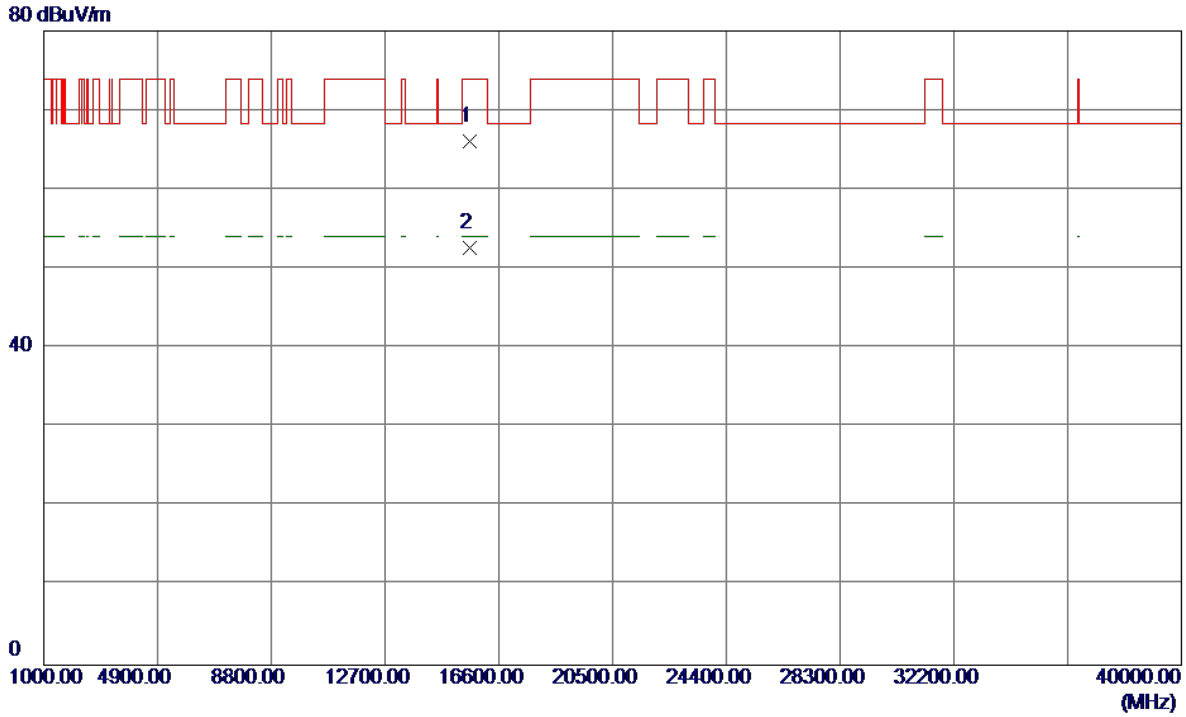
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.4000	66.69	41.33	108.02	68.30	39.72	Peak	No Limit
2 *	5206.7000	56.70	41.39	98.09	54.00	44.09	AVG	No Limit

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

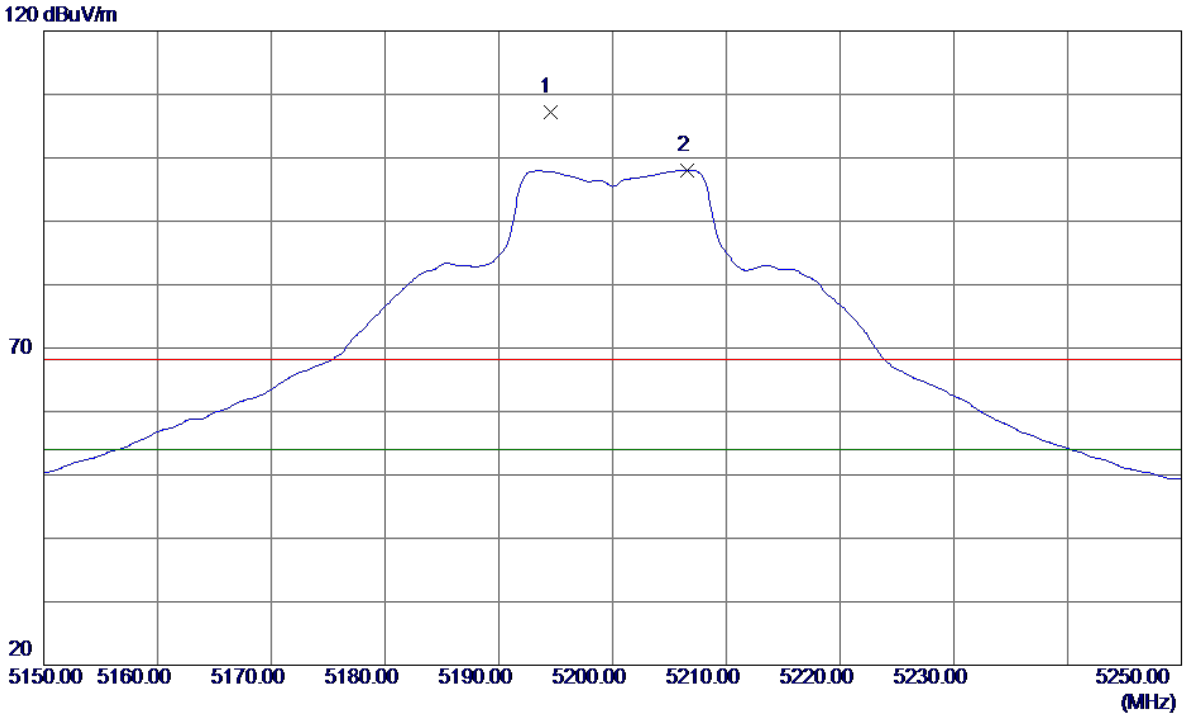
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	15596.7400	42.71	23.30	66.01	74.00	-7.99	Peak	
2 *	15599.2200	29.39	23.30	52.69	54.00	-1.31	AVG	

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

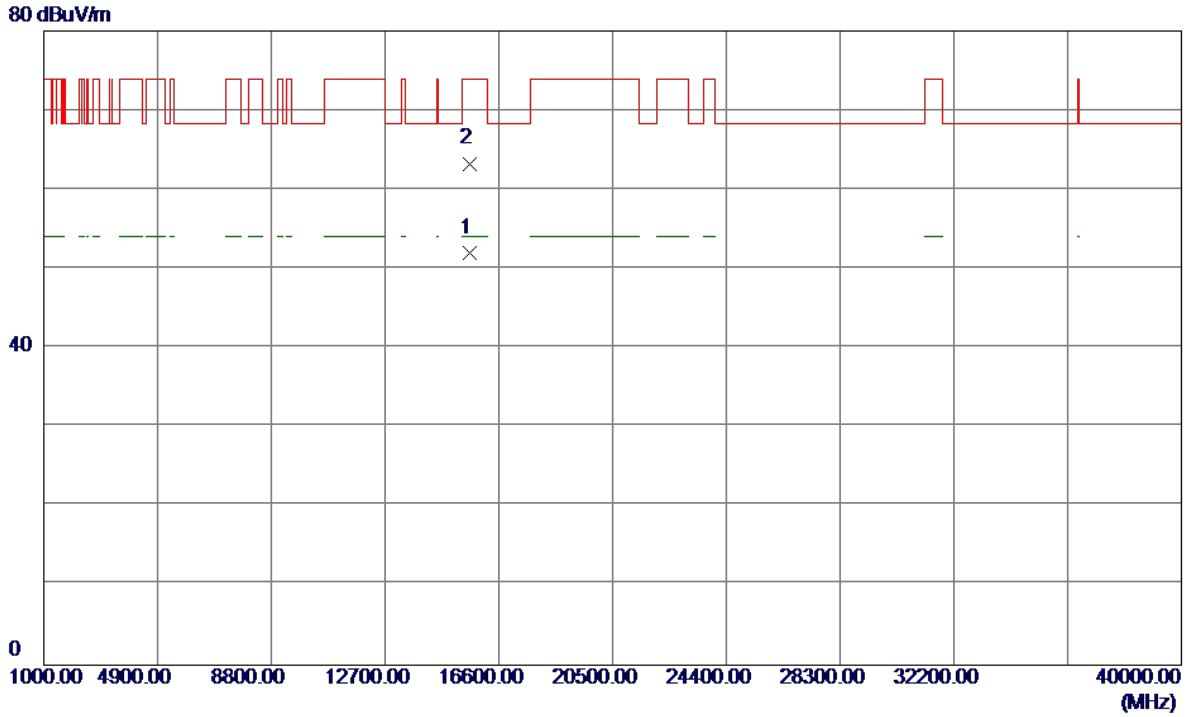
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.5000	65.87	41.33	107.20	68.30	38.90	Peak	No Limit
2 *	5206.6000	56.67	41.39	98.06	54.00	44.06	AVG	No Limit

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

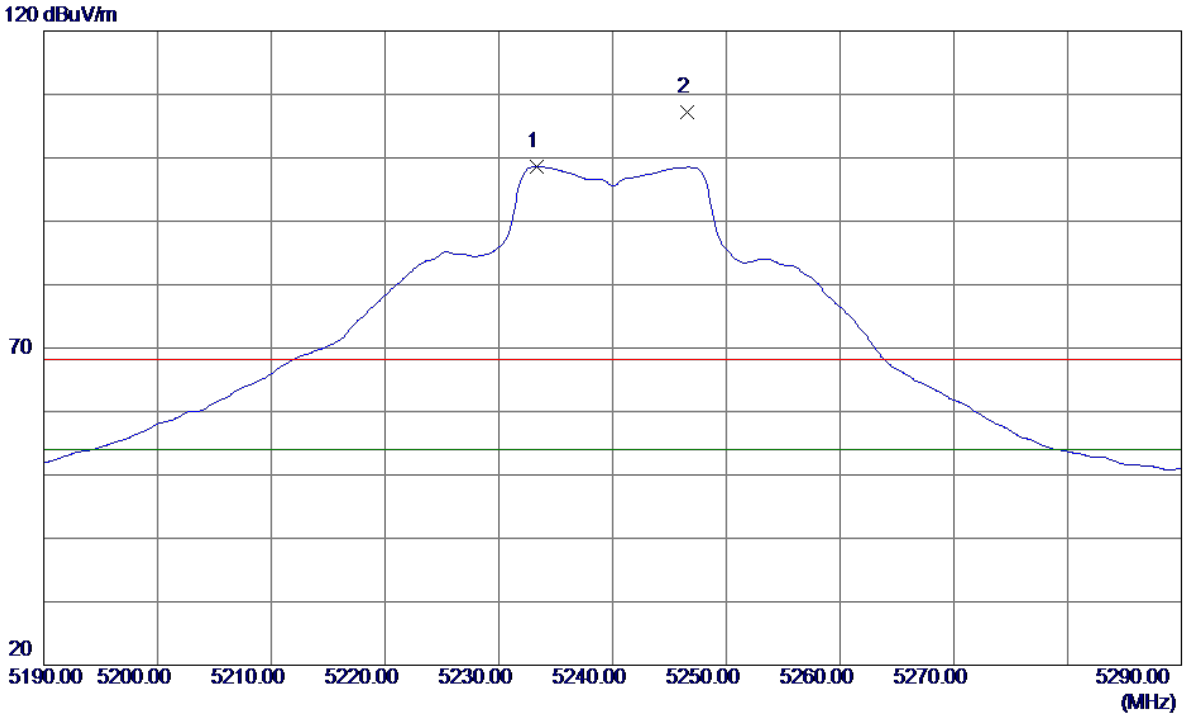
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	15599.0200	28.77	23.30	52.07	54.00	-1.93	AVG	
2	15602.7600	39.98	23.30	63.28	74.00	-10.72	Peak	

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

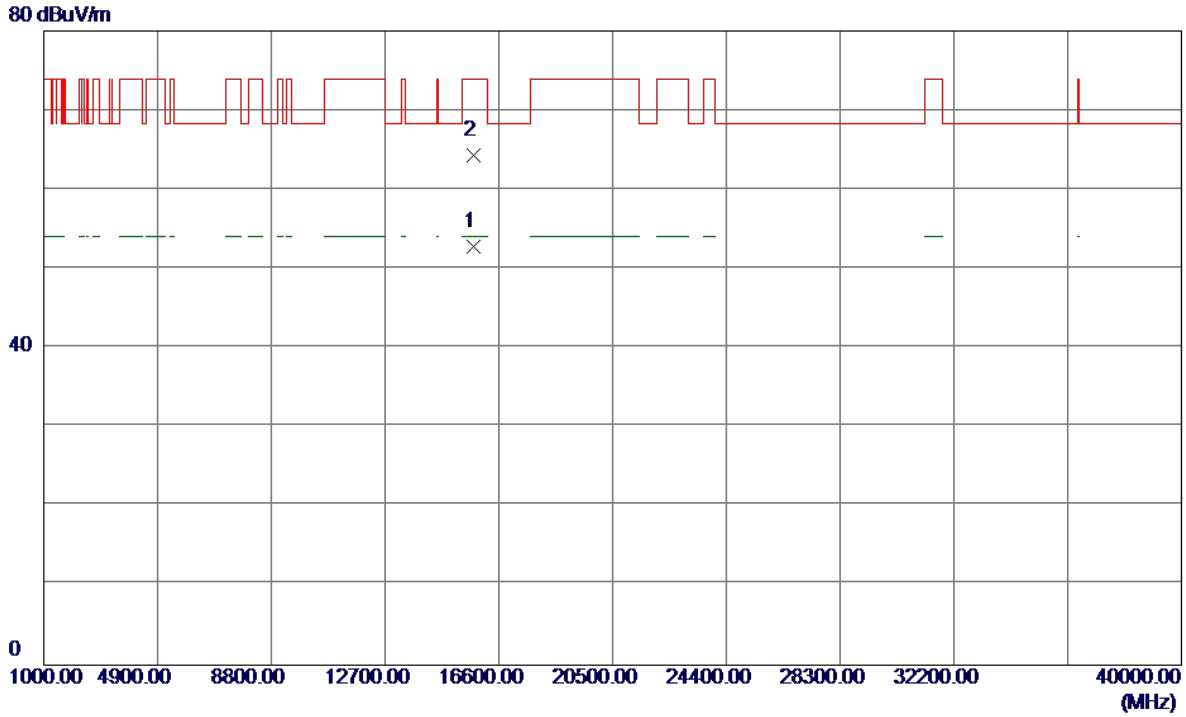
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5233.3000	57.07	41.53	98.60	54.00	44.60	AVG	No Limit
2	5246.6000	65.66	41.59	107.25	68.30	38.95	Peak	No Limit

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

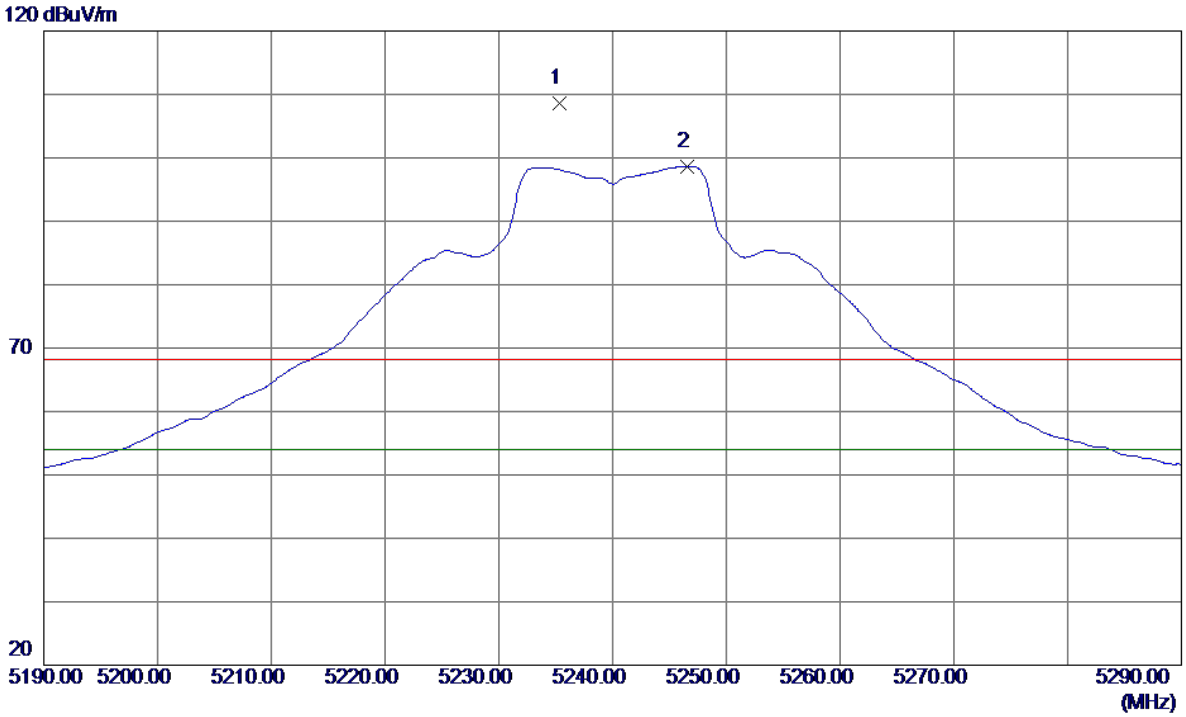
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	15719.2200	29.50	23.37	52.87	54.00	-1.13	AVG	
2	15721.8200	41.01	23.37	64.38	74.00	-9.62	Peak	

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

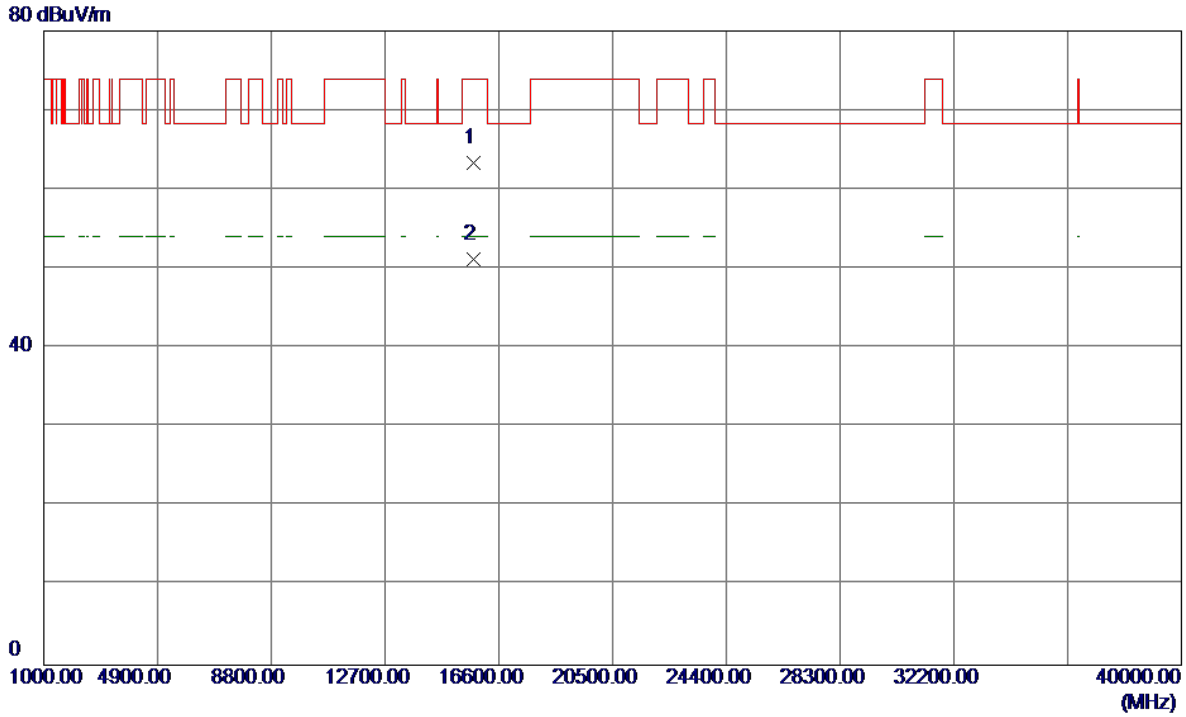
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5235.3000	67.12	41.54	108.66	68.30	40.36	Peak	No Limit
2 *	5246.6000	57.07	41.59	98.66	54.00	44.66	AVG	No Limit

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

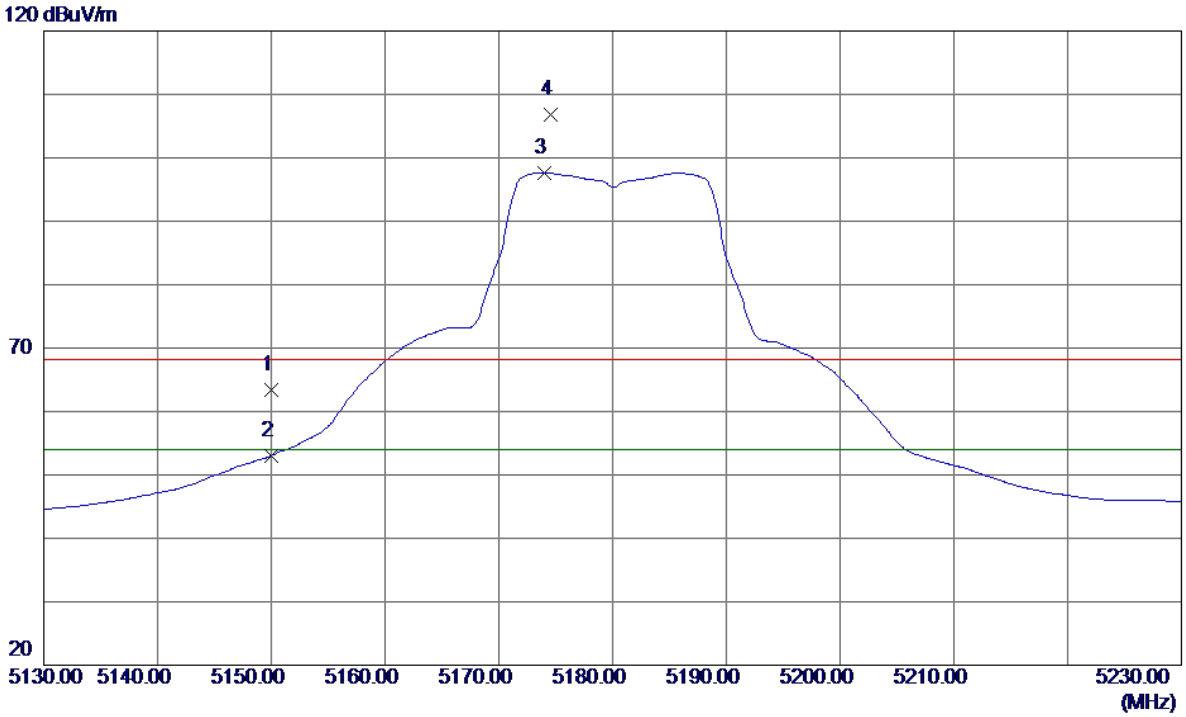
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	15721.5200	39.95	23.37	63.32	74.00	-10.68	Peak	
2 *	15723.0600	27.80	23.37	51.17	54.00	-2.83	AVG	

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

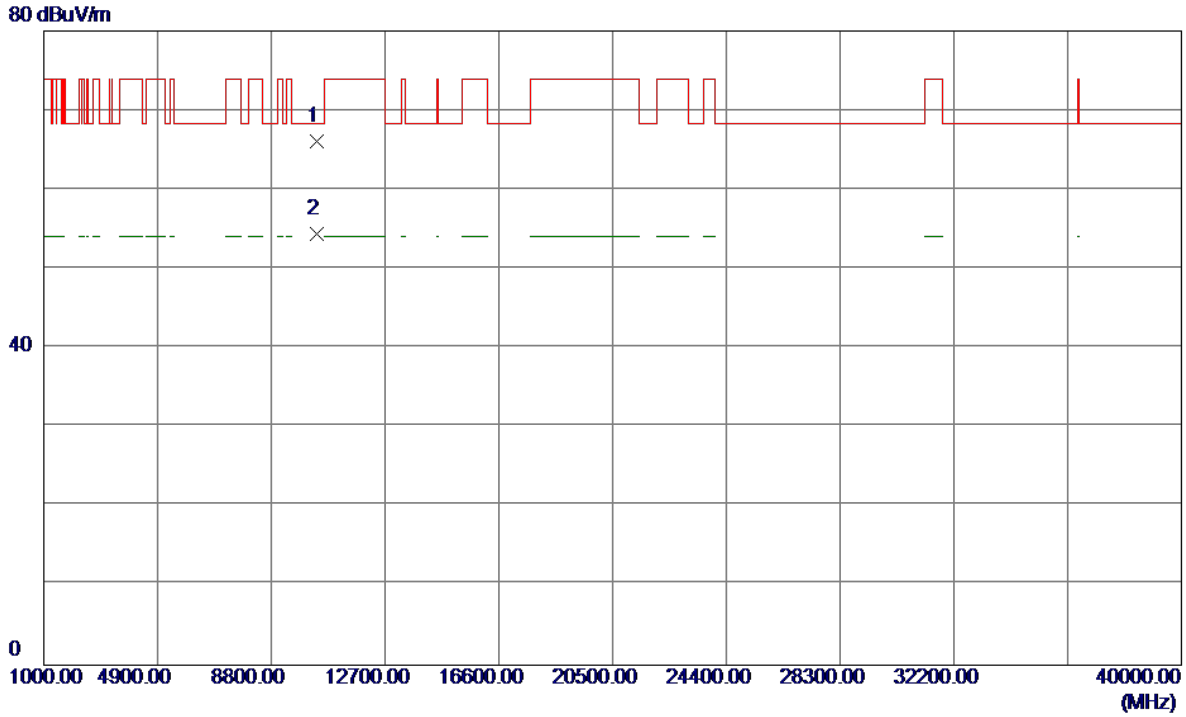
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.37	41.10	63.47	68.30	-4.83	Peak	
2	5150.0000	11.93	41.10	53.03	54.00	-0.97	AVG	
3 *	5174.0000	56.43	41.22	97.65	54.00	43.65	AVG	No Limit
4	5174.6000	65.55	41.23	106.78	68.30	38.48	Peak	No Limit

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

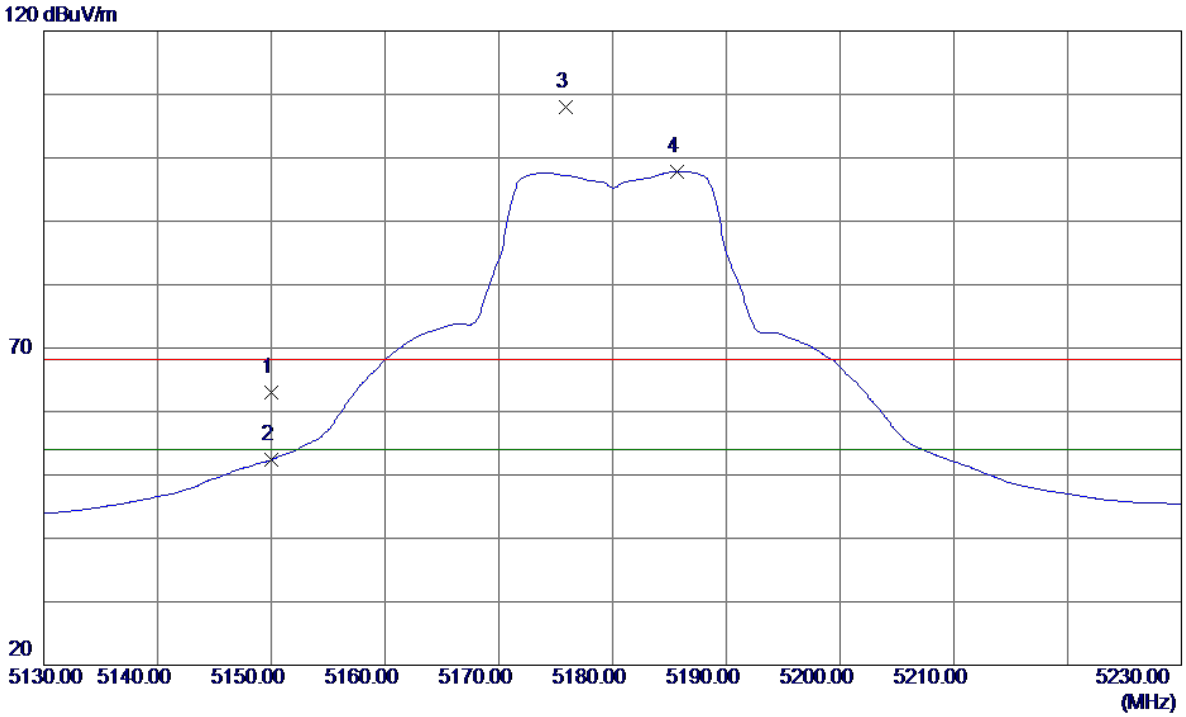
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.1200	49.73	16.33	66.06	68.30	-2.24	Peak	
2	10360.5000	38.14	16.33	54.47	999.00	-944.53	AVG	

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

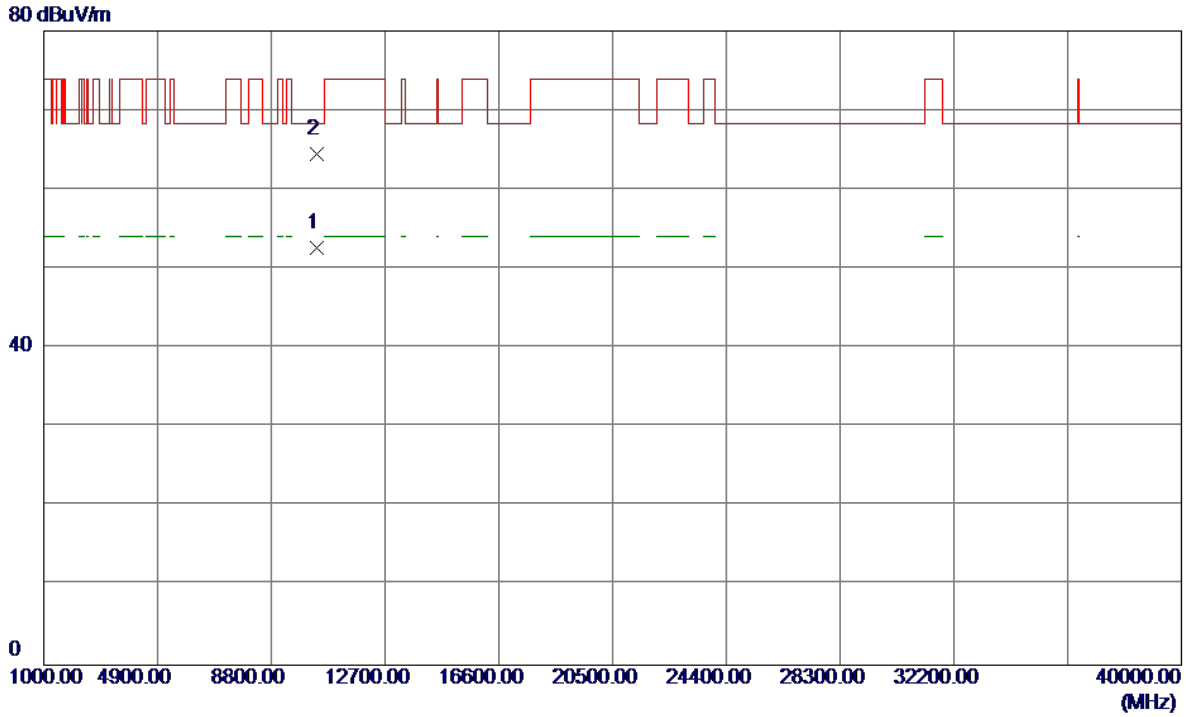
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	21.97	41.10	63.07	68.30	-5.23	Peak	
2	5150.0000	11.26	41.10	52.36	54.00	-1.64	AVG	
3	5175.9000	66.86	41.23	108.09	68.30	39.79	Peak	No Limit
4 *	5185.7000	56.54	41.28	97.82	54.00	43.82	AVG	No Limit

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

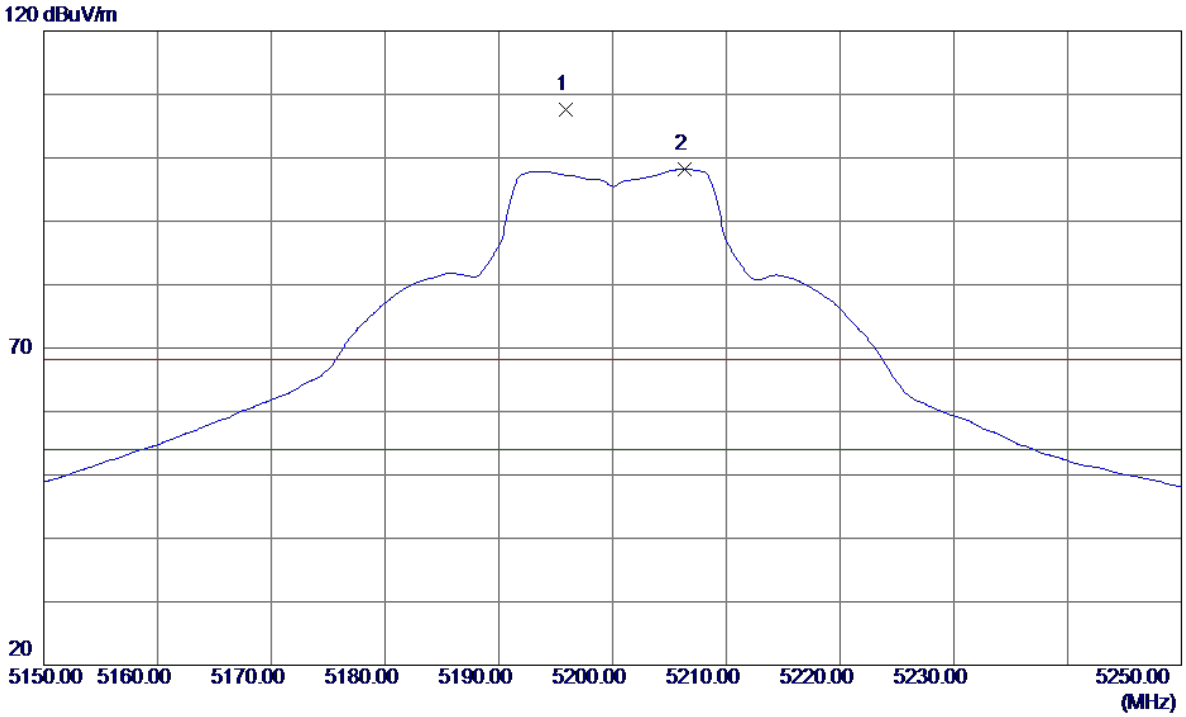
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.1500	36.34	16.33	52.67	999.00	-946.33	AVG	
2 *	10360.8000	48.12	16.33	64.45	68.30	-3.85	Peak	

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

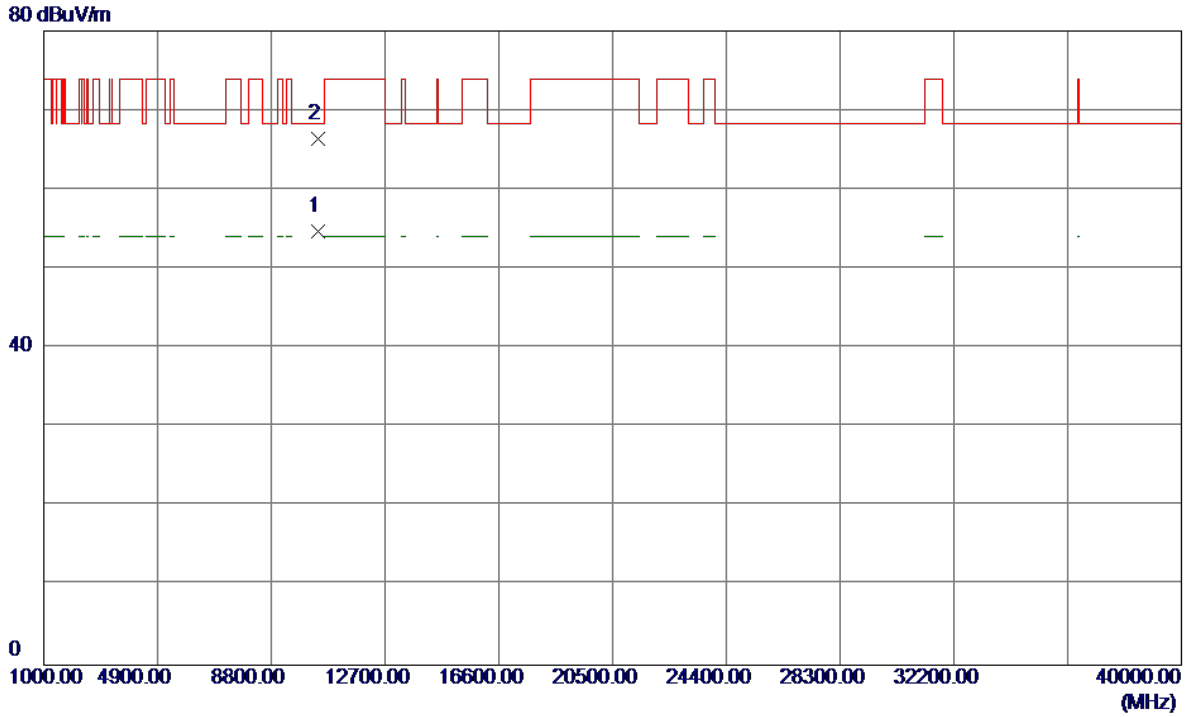
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5195.9000	66.35	41.34	107.69	68.30	39.39	Peak	No Limit
2 *	5206.3000	56.77	41.39	98.16	54.00	44.16	AVG	No Limit

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

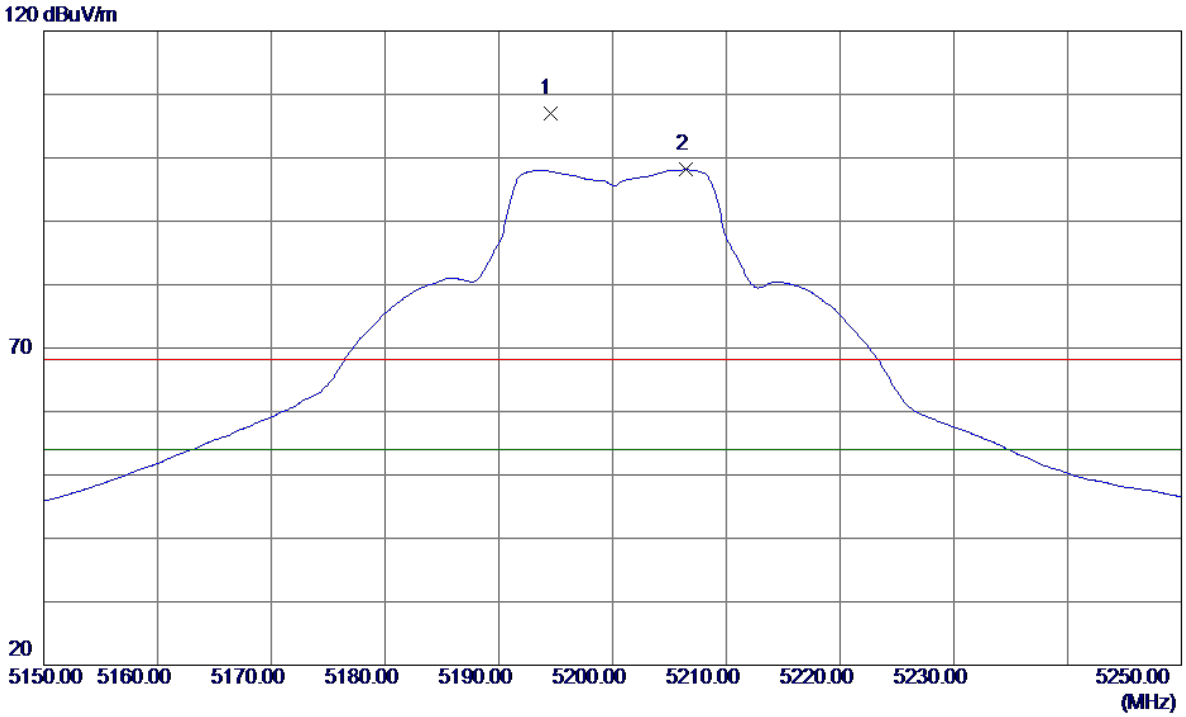
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.2300	38.29	16.44	54.73	999.00	-944.27	AVG	
2 *	10400.3300	50.02	16.44	66.46	68.30	-1.84	Peak	

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

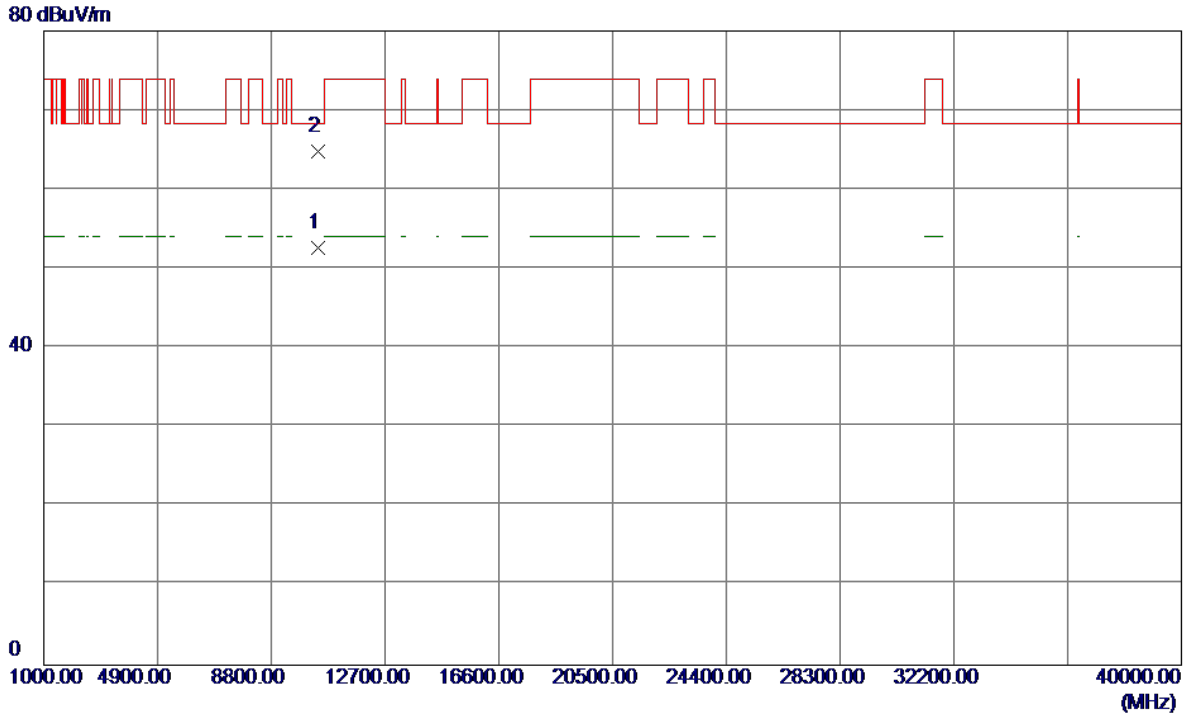
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.5000	65.70	41.33	107.03	68.30	38.73	Peak	No Limit
2 *	5206.4000	56.72	41.39	98.11	54.00	44.11	AVG	No Limit

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

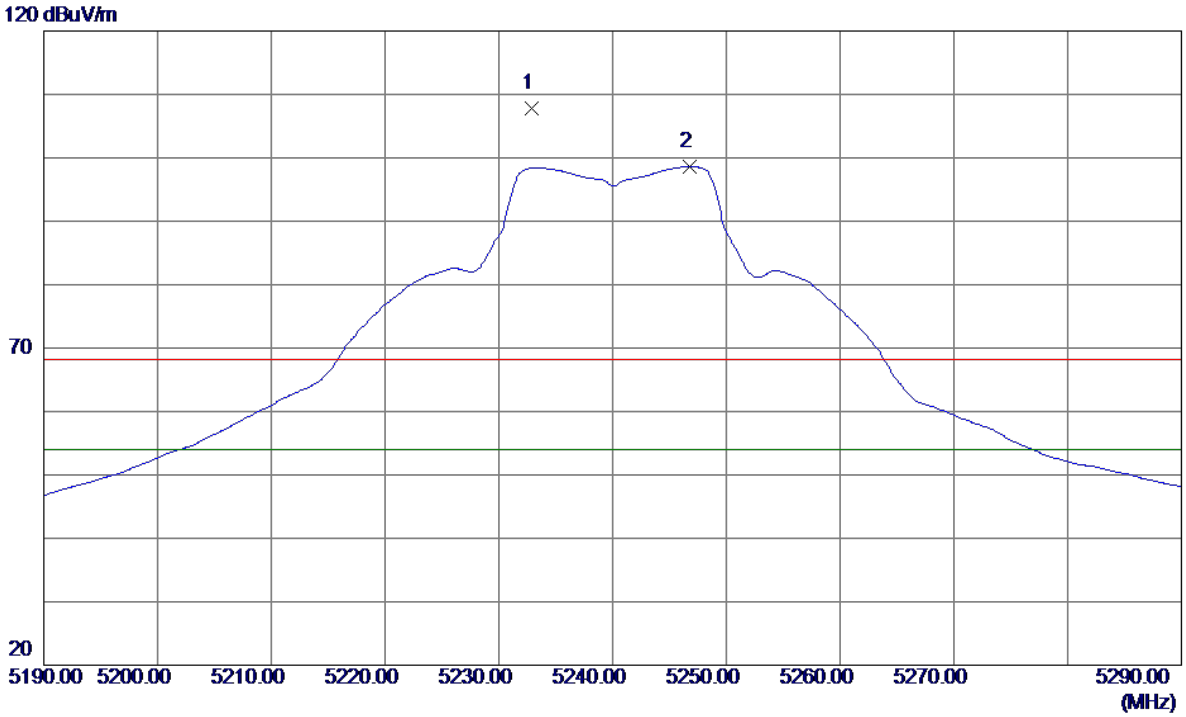
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.1500	36.13	16.44	52.57	999.00	-946.43	AVG	
2 *	10400.9000	48.34	16.44	64.78	68.30	-3.52	Peak	

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

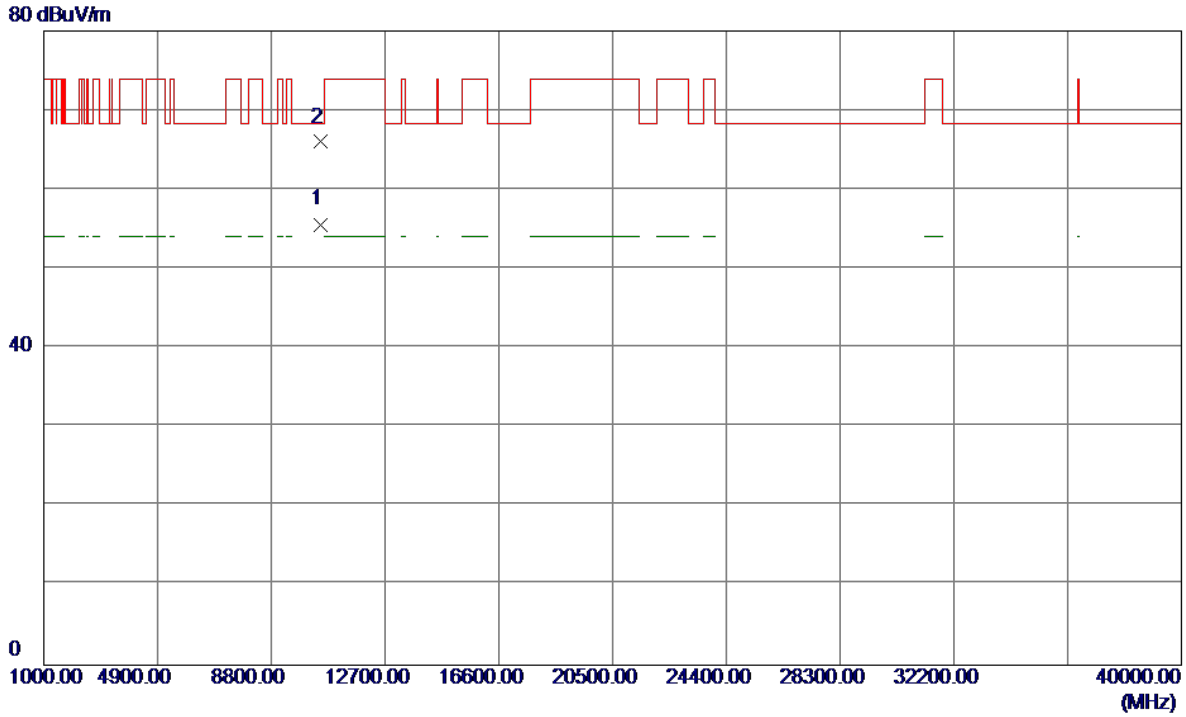
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5232.9000	66.22	41.52	107.74	68.30	39.44	Peak	No Limit
2 *	5246.8000	57.04	41.59	98.63	54.00	44.63	AVG	No Limit

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

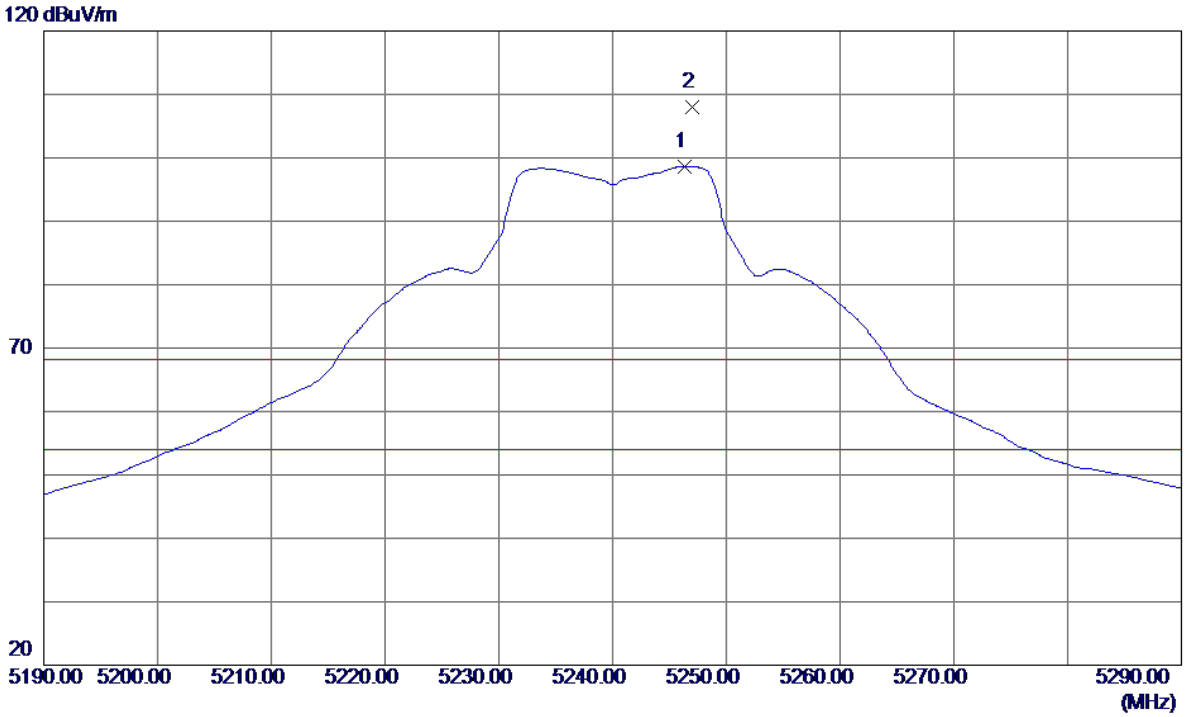
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.0100	38.95	16.65	55.60	999.00	-943.40	AVG	
2 *	10480.5000	49.35	16.65	66.00	68.30	-2.30	Peak	

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

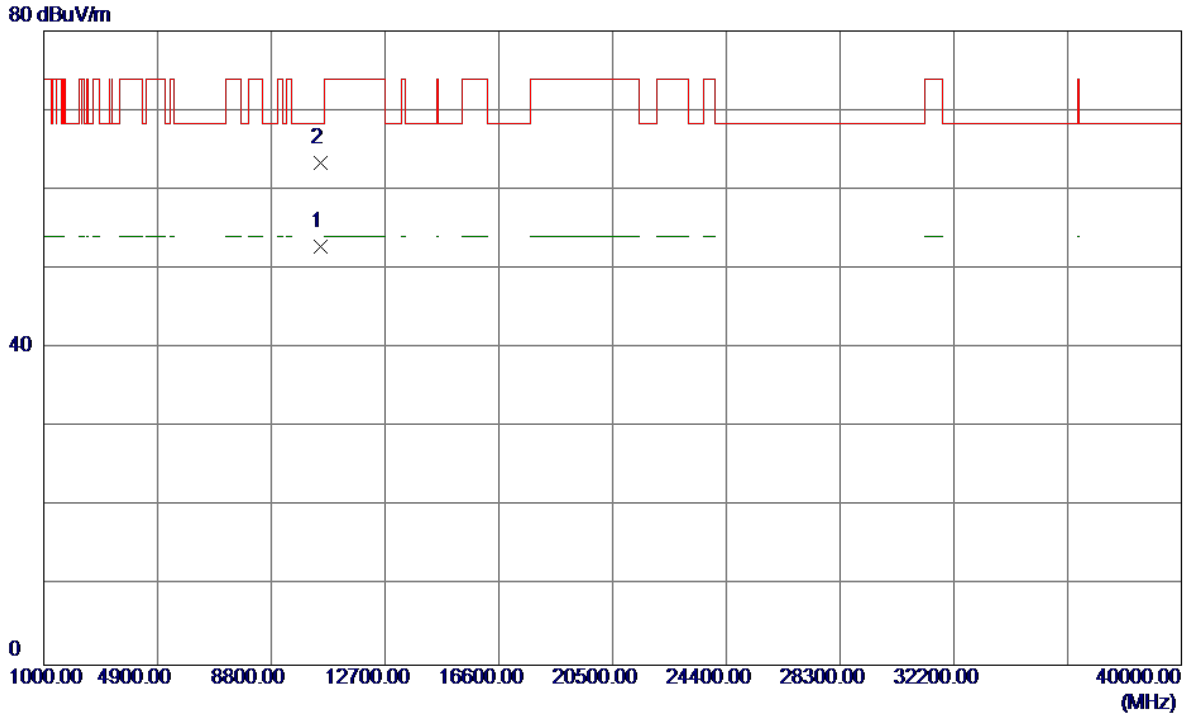
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5246.3000	57.02	41.59	98.61	54.00	44.61	AVG	No Limit
2	5247.0000	66.49	41.59	108.08	68.30	39.78	Peak	No Limit

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

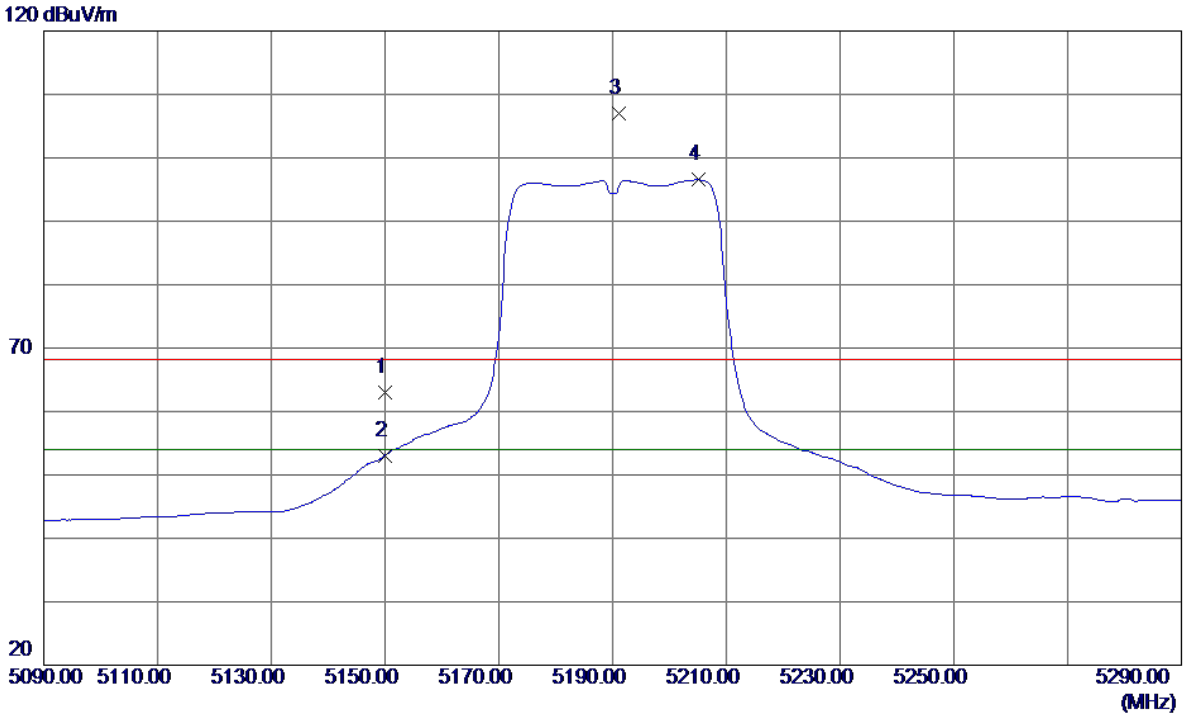
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10479.9500	36.20	16.65	52.85	999.00	-946.15	AVG	
2 *	10484.5500	46.66	16.66	63.32	68.30	-4.98	Peak	

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

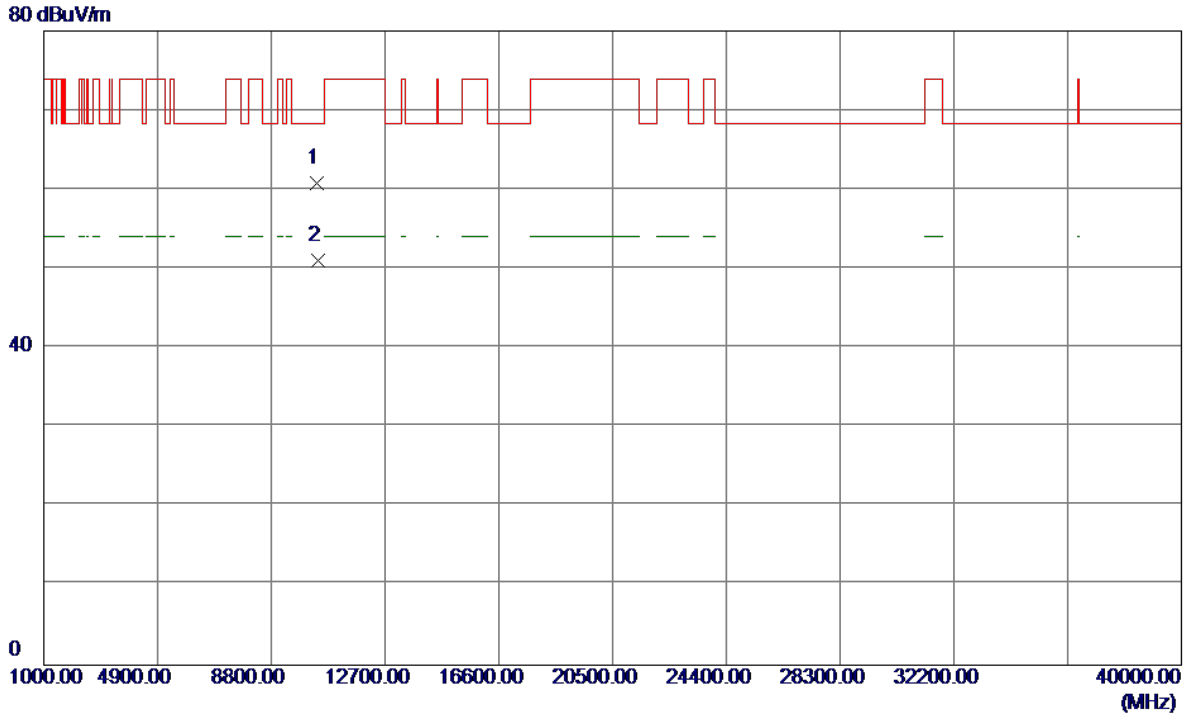
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	21.90	41.10	63.00	68.30	-5.30	Peak	
2	5150.0000	11.85	41.10	52.95	54.00	-1.05	AVG	
3	5191.2000	65.78	41.31	107.09	68.30	38.79	Peak	No Limit
4 *	5205.2000	55.16	41.38	96.54	54.00	42.54	AVG	No Limit

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

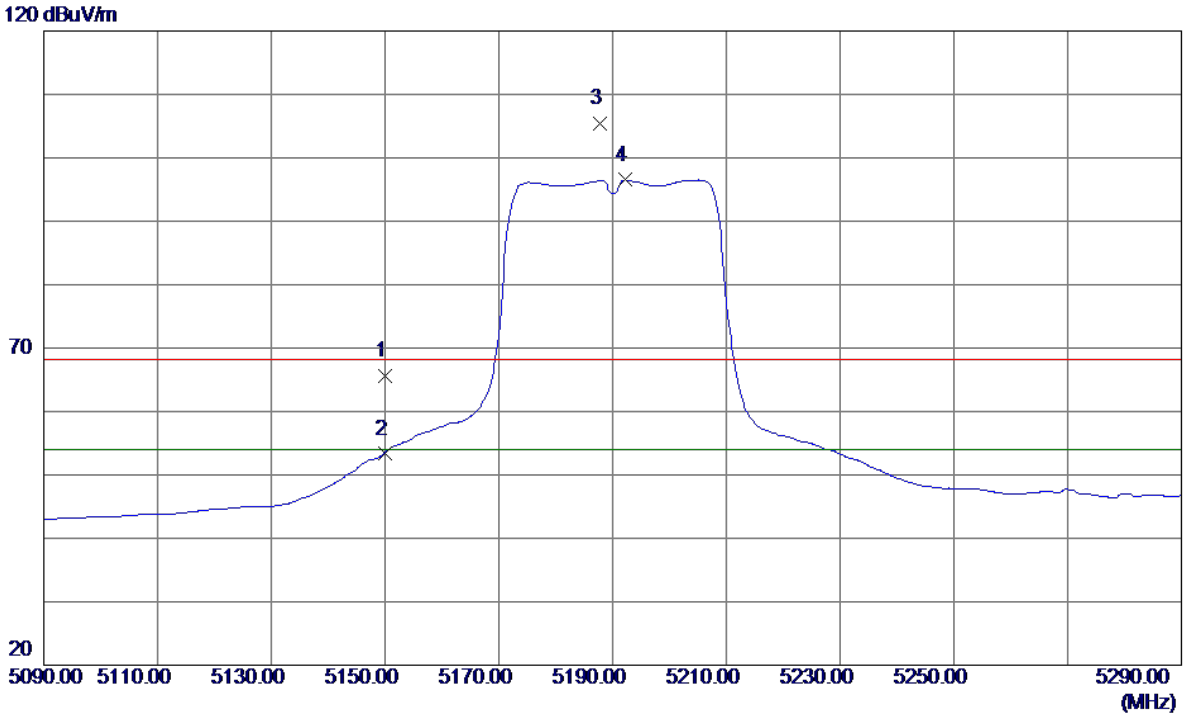
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10373.3000	44.40	16.37	60.77	68.30	-7.53	Peak	
2	10386.5500	34.59	16.40	50.99	999.00	-948.01	AVG	

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

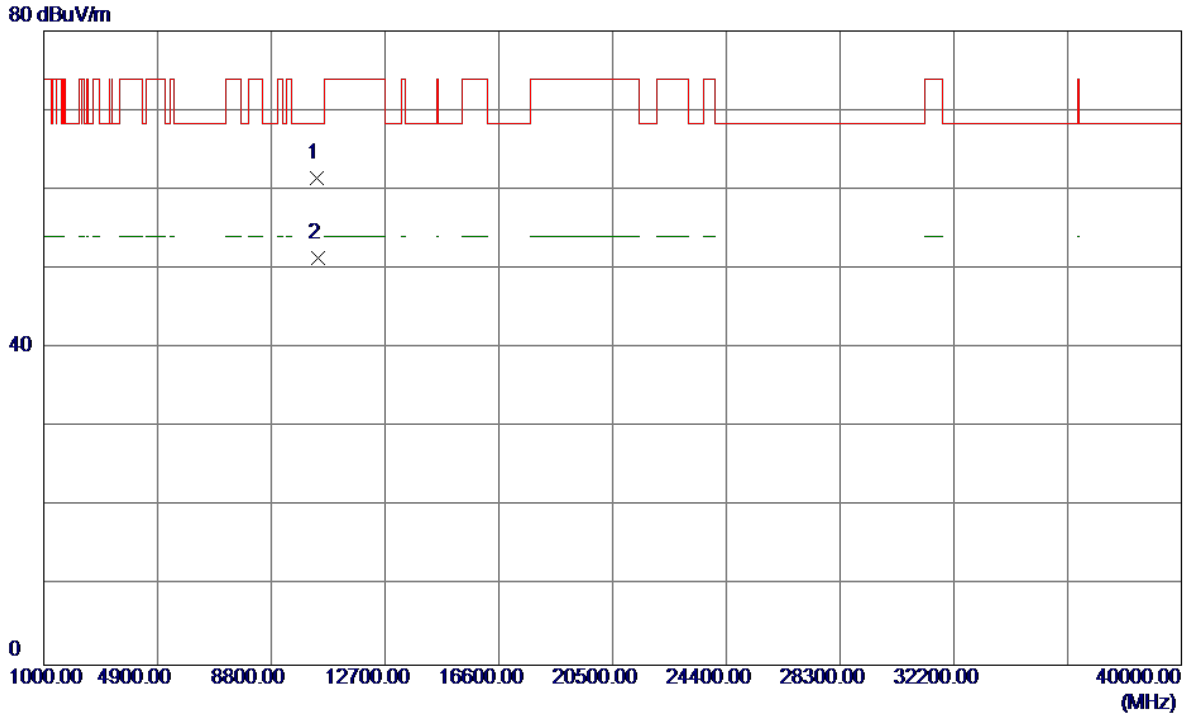
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	24.51	41.10	65.61	68.30	-2.69	Peak	
2	5150.0000	12.20	41.10	53.30	54.00	-0.70	AVG	
3	5187.8000	64.08	41.29	105.37	68.30	37.07	Peak	No Limit
4 *	5192.2000	55.18	41.32	96.50	54.00	42.50	AVG	No Limit

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

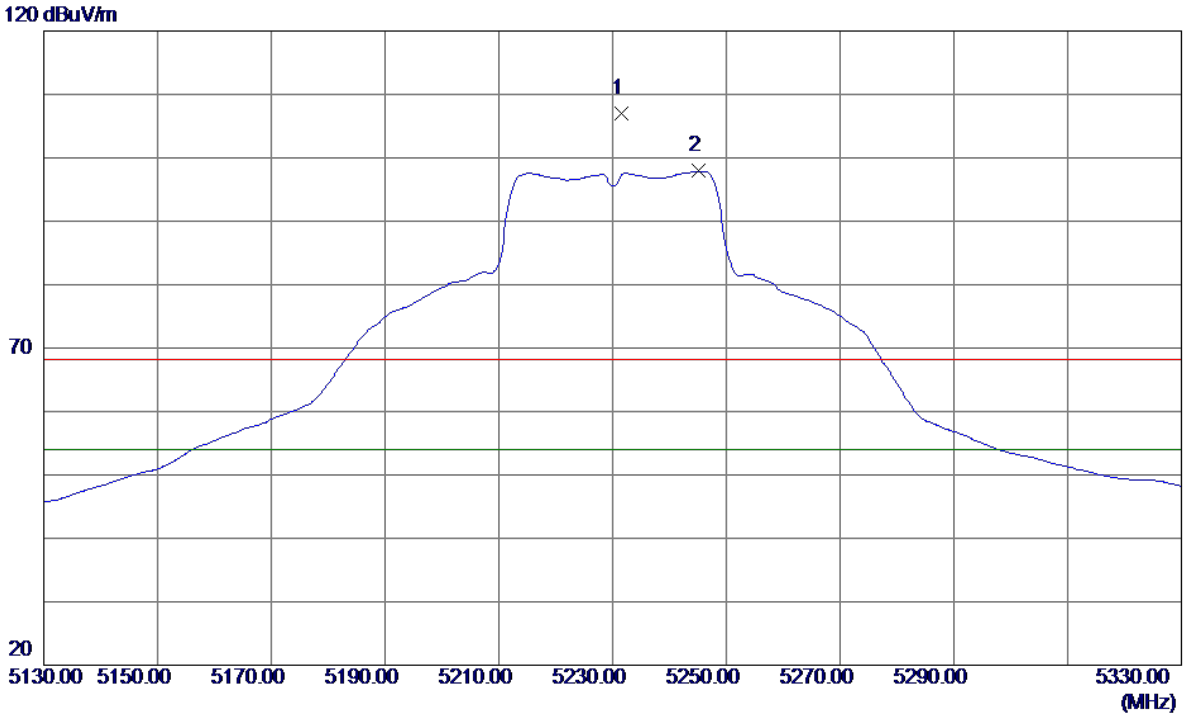
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10373.4000	45.11	16.37	61.48	68.30	-6.82	Peak	
2	10389.0000	34.95	16.41	51.36	999.00	-947.64	AVG	

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

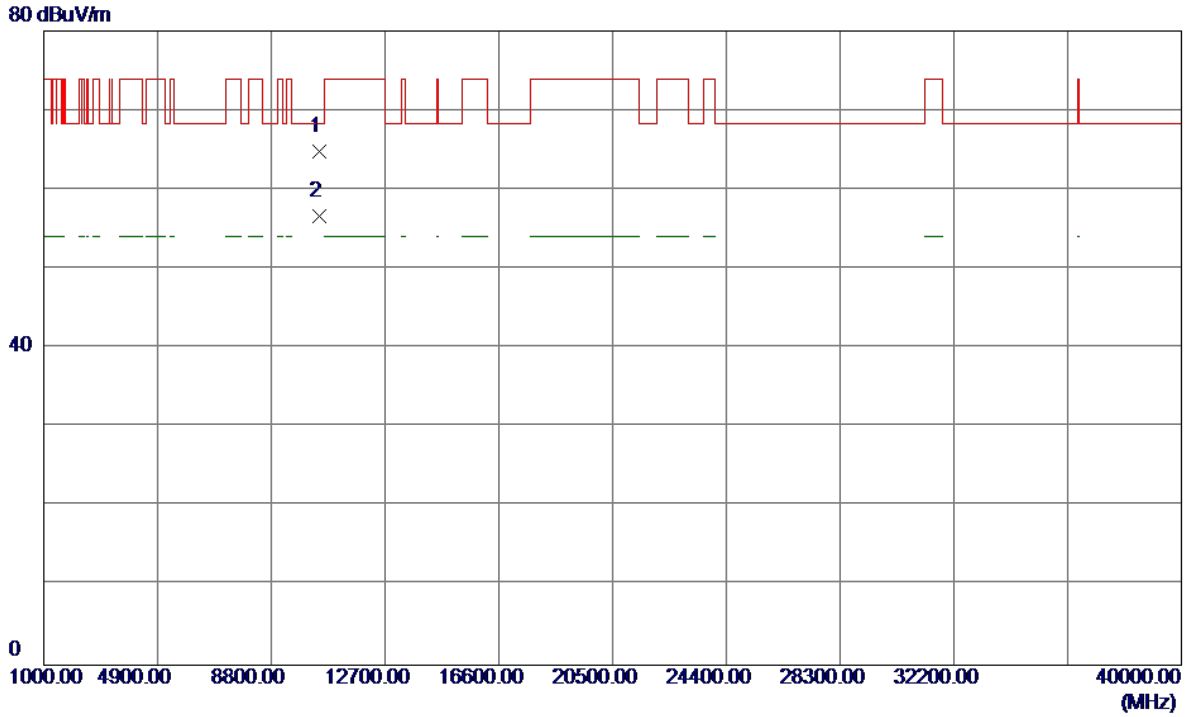
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5231.6000	65.55	41.52	107.07	68.30	38.77	Peak	No Limit
2 *	5245.2000	56.31	41.59	97.90	54.00	43.90	AVG	No Limit

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

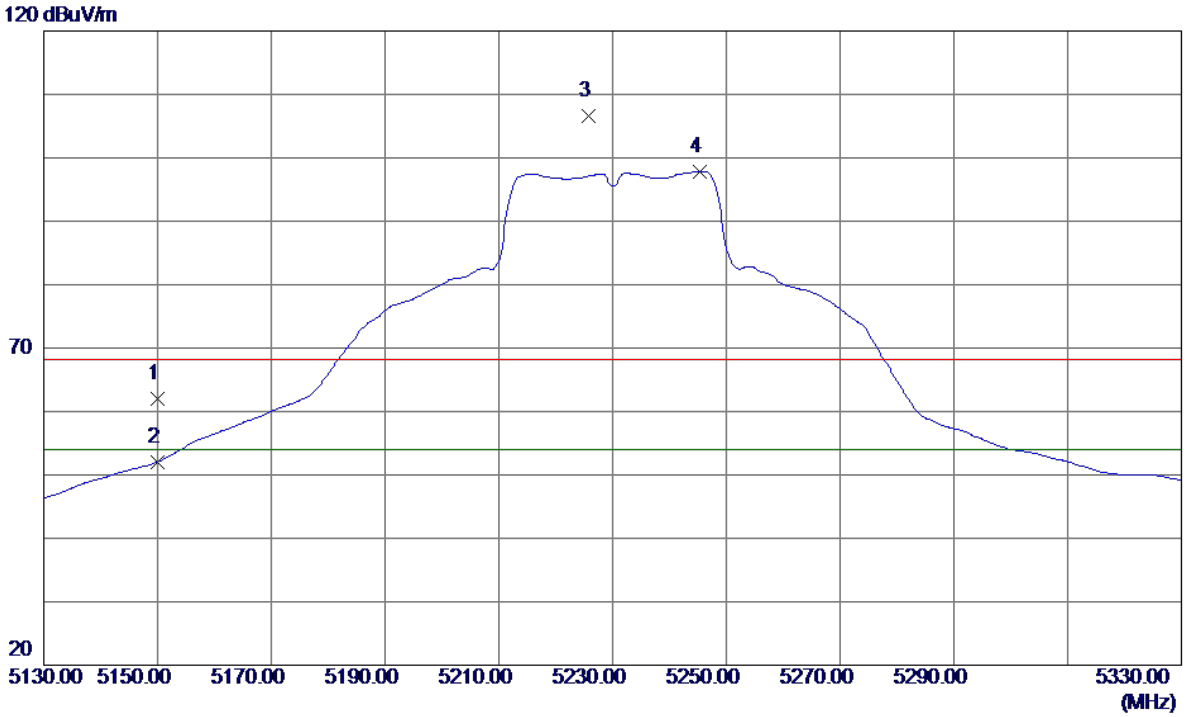
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10462.3500	48.13	16.60	64.73	68.30	-3.57	Peak	
2	10462.5500	40.03	16.60	56.63	999.00	-942.37	AVG	

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

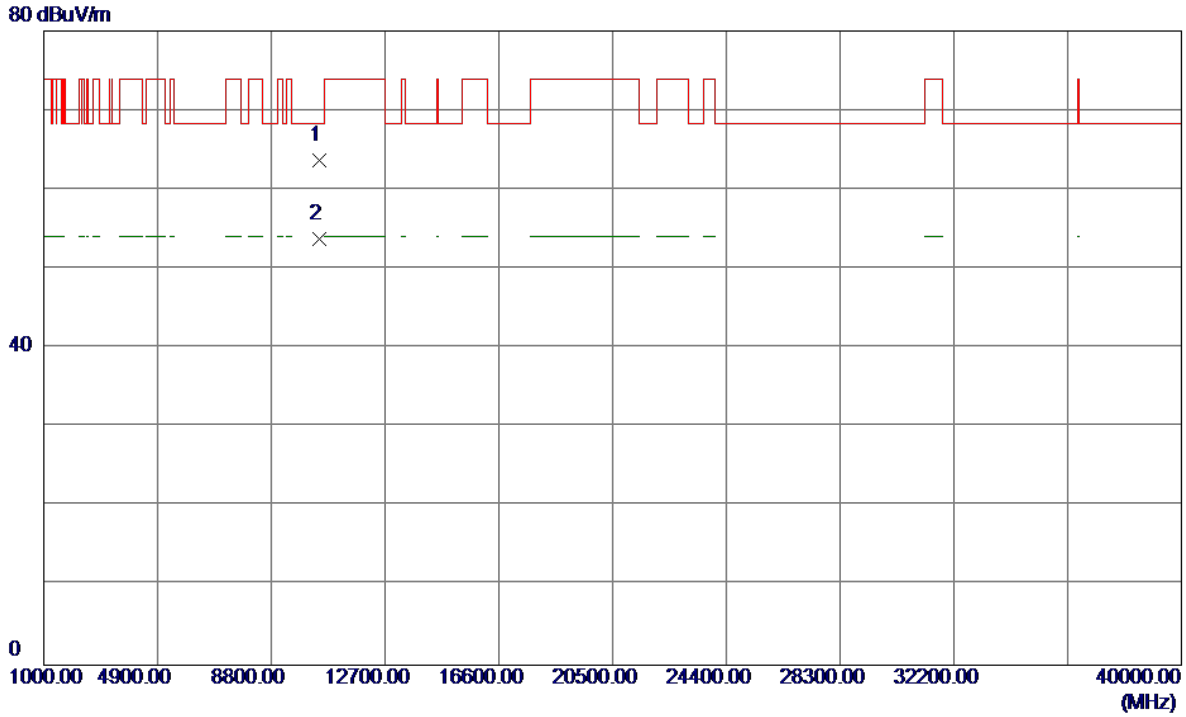
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.85	41.10	61.95	68.30	-6.35	Peak	
2	5150.0000	10.96	41.10	52.06	54.00	-1.94	AVG	
3	5225.8000	65.13	41.49	106.62	68.30	38.32	Peak	No Limit
4 *	5245.4000	56.25	41.59	97.84	54.00	43.84	AVG	No Limit

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

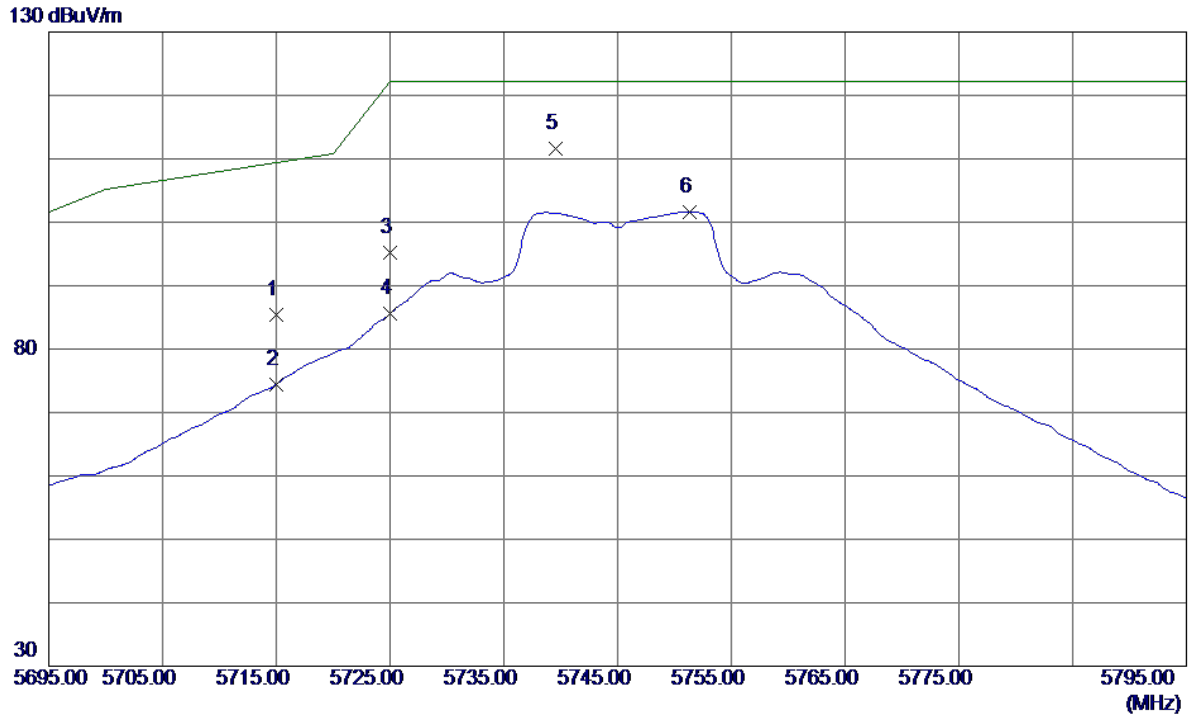
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.1000	47.08	16.60	63.68	68.30	-4.62	Peak	
2	10466.6000	37.07	16.62	53.69	999.00	-945.31	AVG	

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

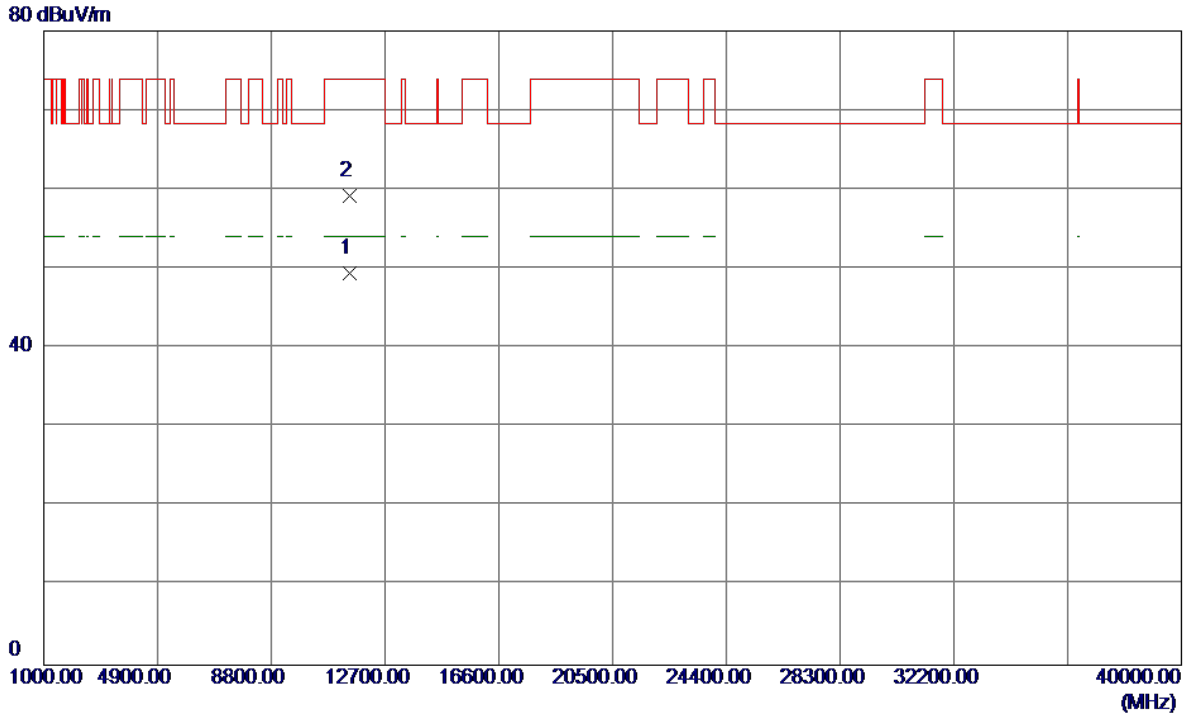
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	41.89	43.53	85.42	109.40	-23.98	Peak	
2	5715.0000	30.94	43.53	74.47	109.40	-34.93	AVG	
3	5725.0000	51.71	43.56	95.27	122.20	-26.93	Peak	
4	5725.0000	42.02	43.56	85.58	122.20	-36.62	AVG	
5 *	5739.6000	67.92	43.60	111.52	122.20	-10.68	Peak	
6	5751.3000	57.99	43.64	101.63	122.20	-20.57	AVG	

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

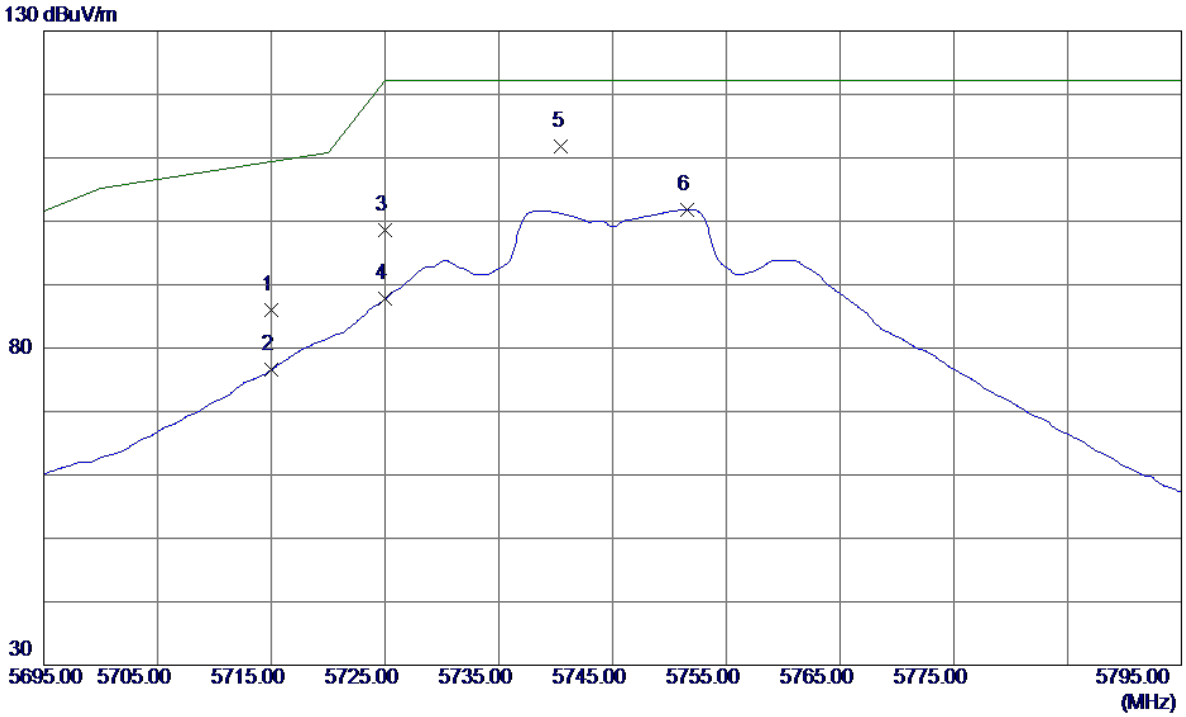
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11490.0500	31.69	17.75	49.44	54.00	-4.56	AVG	
2	11493.1500	41.42	17.76	59.18	74.00	-14.82	Peak	

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

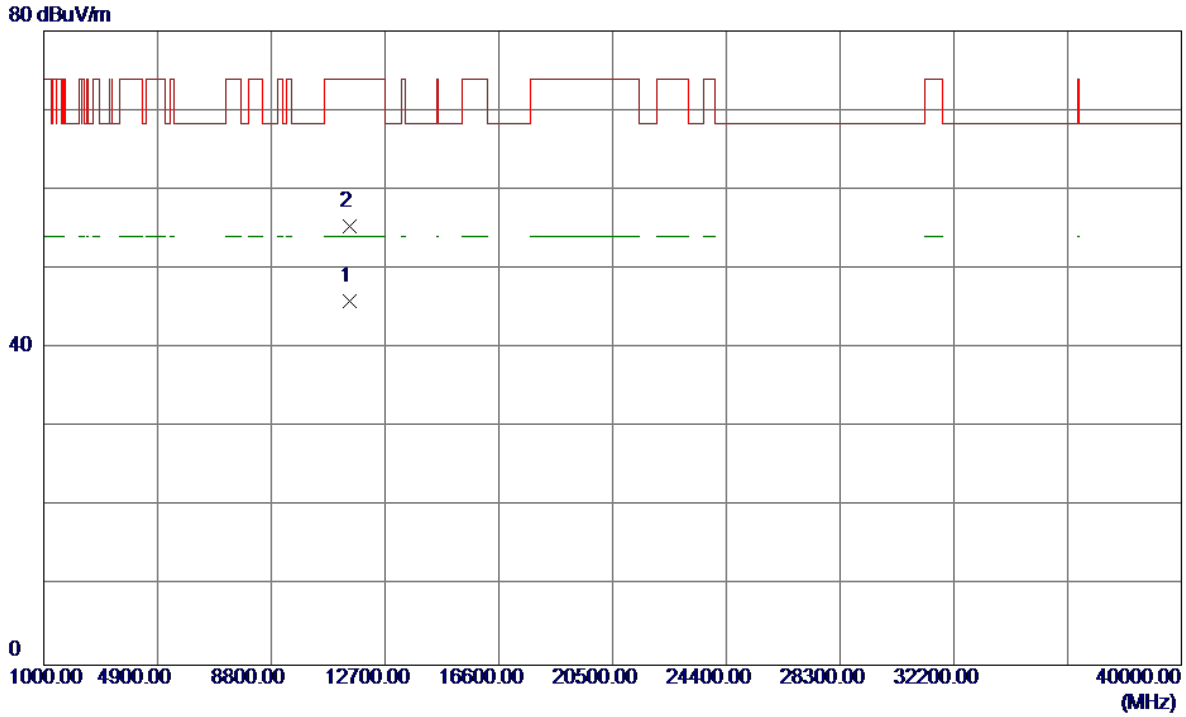
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	42.38	43.53	85.91	109.40	-23.49	Peak	
2	5715.0000	33.02	43.53	76.55	109.40	-32.85	AVG	
3	5725.0000	55.00	43.56	98.56	122.20	-23.64	Peak	
4	5725.0000	44.15	43.56	87.71	122.20	-34.49	AVG	
5 *	5740.5000	68.10	43.61	111.71	122.20	-10.49	Peak	
6	5751.6000	58.18	43.64	101.82	122.20	-20.38	AVG	

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

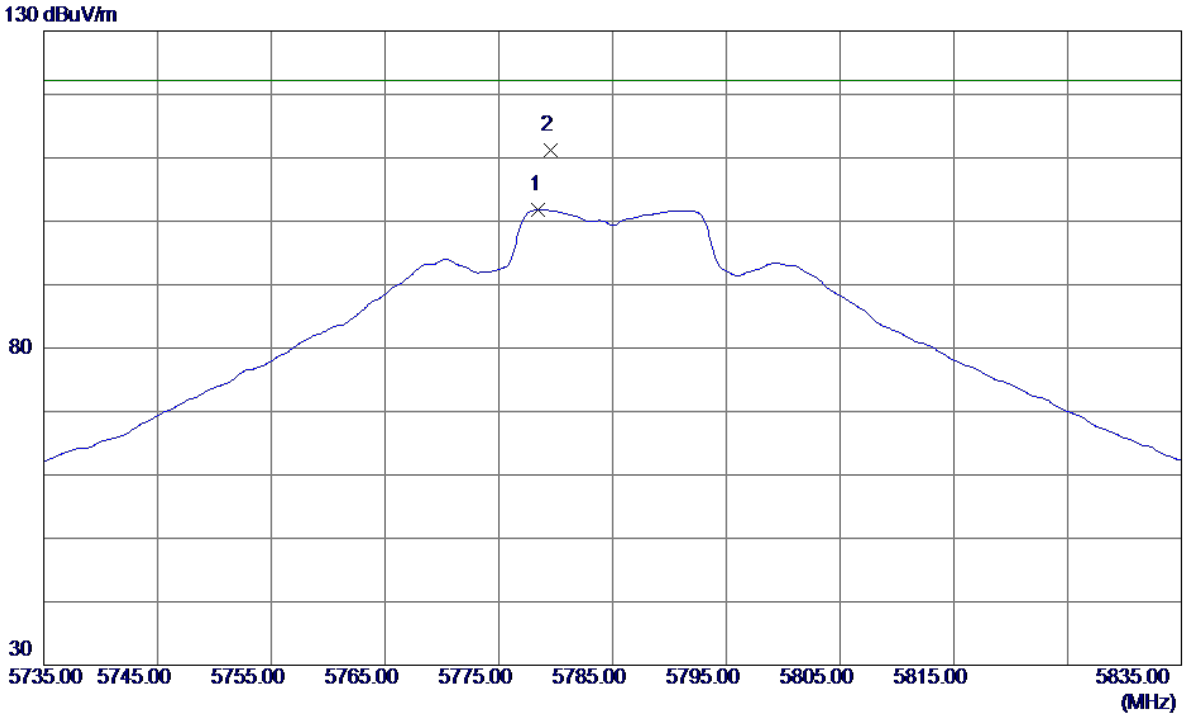
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11490.0000	28.22	17.75	45.97	54.00	-8.03	AVG	
2	11493.1000	37.63	17.76	55.39	74.00	-18.61	Peak	

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

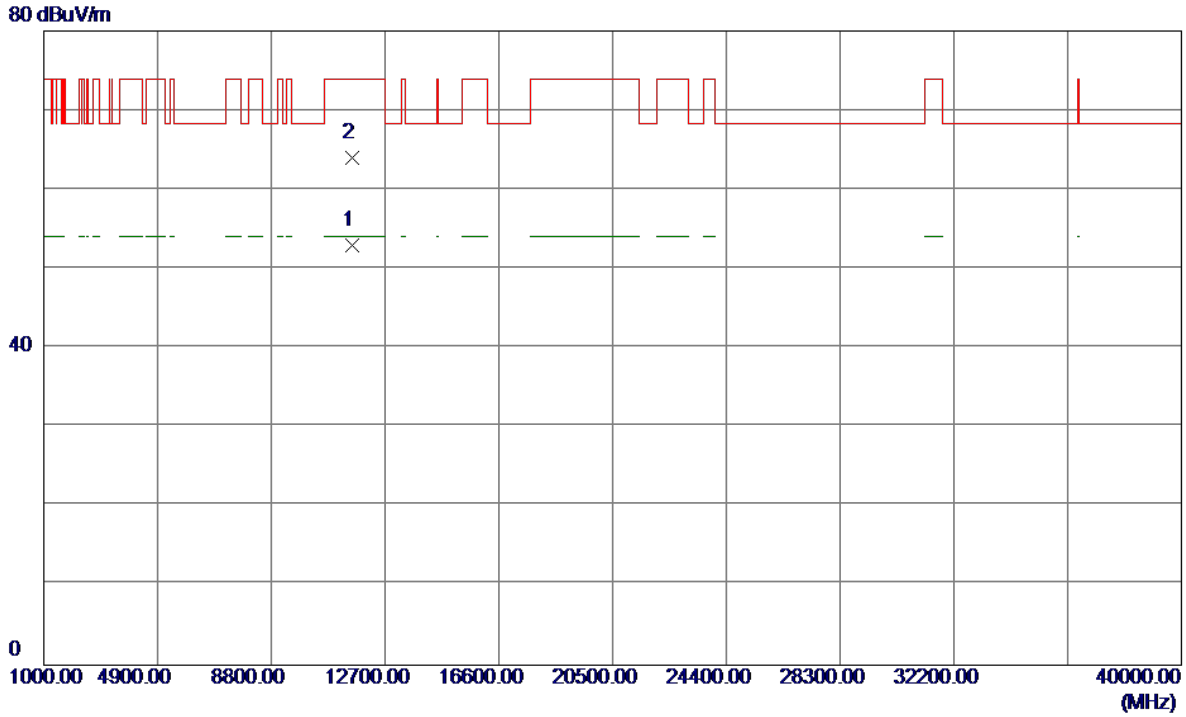
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5778.5000	58.06	43.72	101.78	122.20	-20.42	AVG	
2 *	5779.6000	67.45	43.72	111.17	122.20	-11.03	Peak	

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

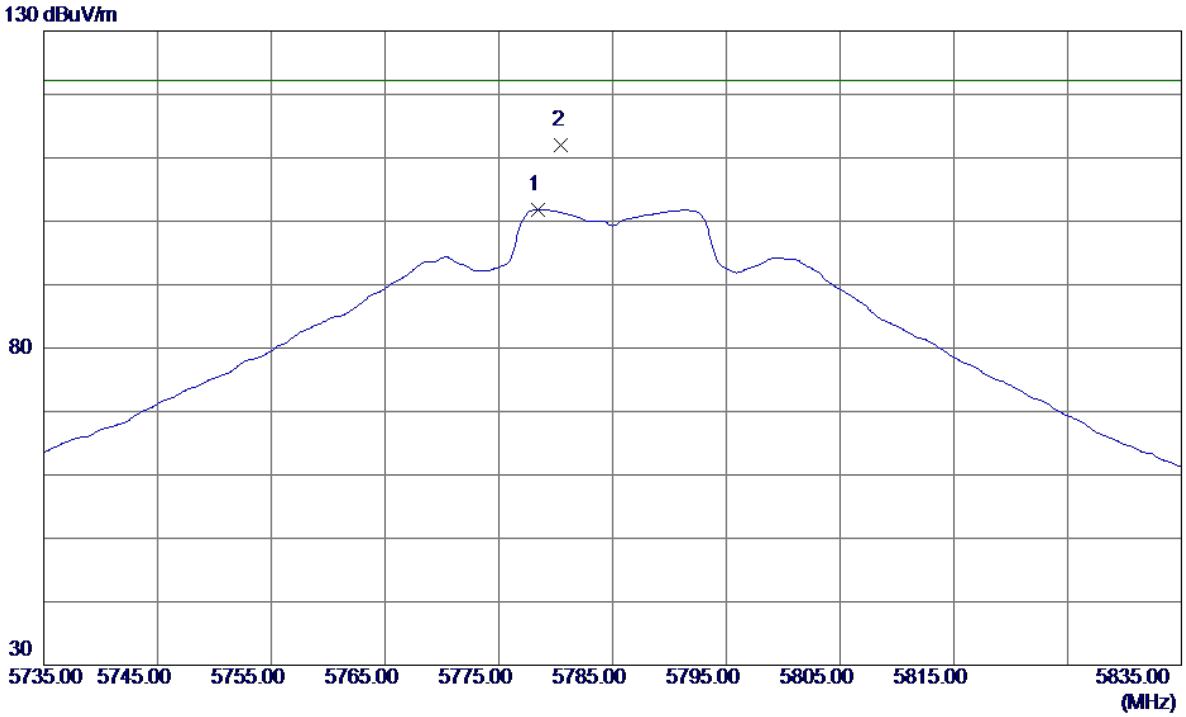
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11570.0199	35.16	17.82	52.98	54.00	-1.02	AVG	
2	11571.7400	46.17	17.82	63.99	74.00	-10.01	Peak	

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

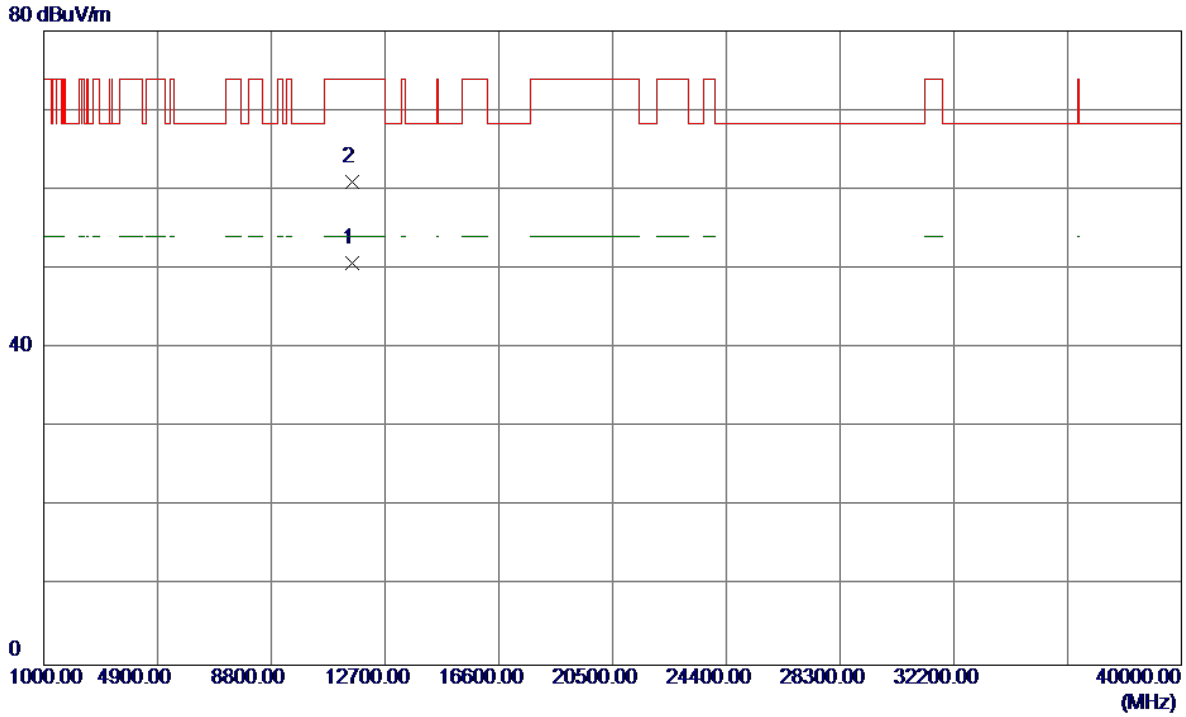
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5778.4000	58.12	43.72	101.84	122.20	-20.36	AVG	
2 *	5780.5000	68.24	43.73	111.97	122.20	-10.23	Peak	

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

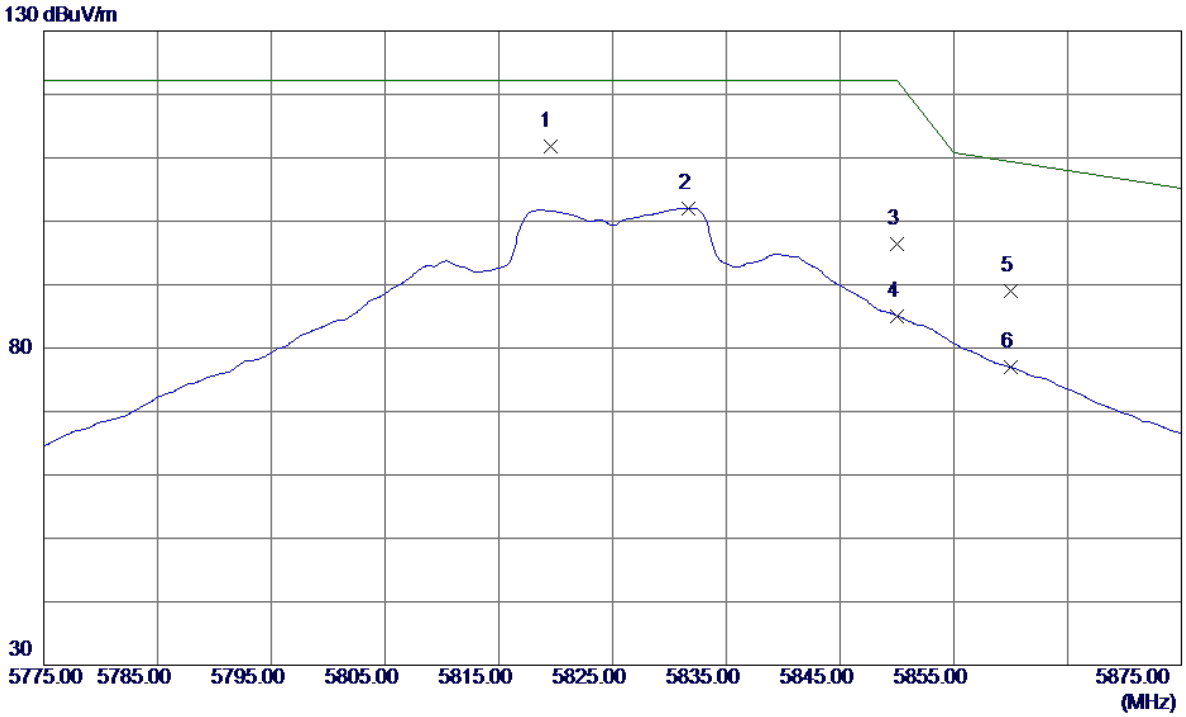
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11570.0599	32.88	17.82	50.70	54.00	-3.30	AVG	
2	11571.9200	43.10	17.82	60.92	74.00	-13.08	Peak	

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

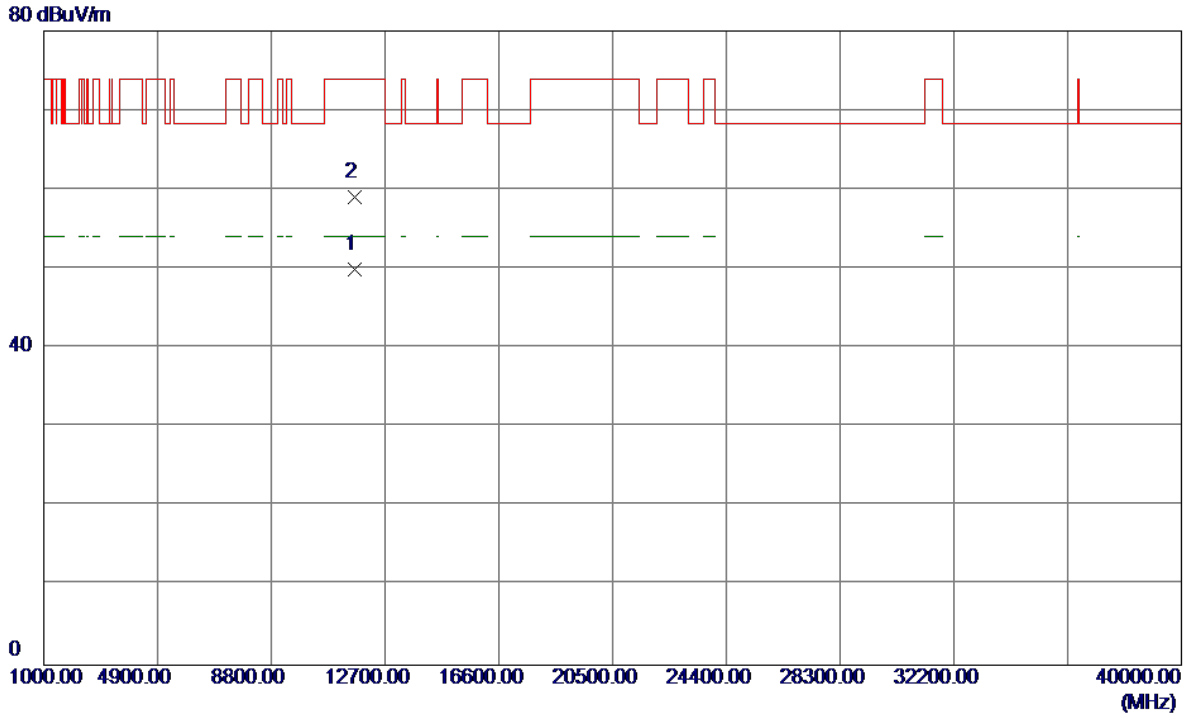
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5819.5000	67.89	43.84	111.73	122.20	-10.47	Peak	
2	5831.7000	58.17	43.88	102.05	122.20	-20.15	AVG	
3	5850.0000	52.52	43.94	96.46	122.20	-25.74	Peak	
4	5850.0000	41.13	43.94	85.07	122.20	-37.13	AVG	
5	5860.0000	45.00	43.97	88.97	109.40	-20.43	Peak	
6	5860.0000	33.01	43.97	76.98	109.40	-32.42	AVG	

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

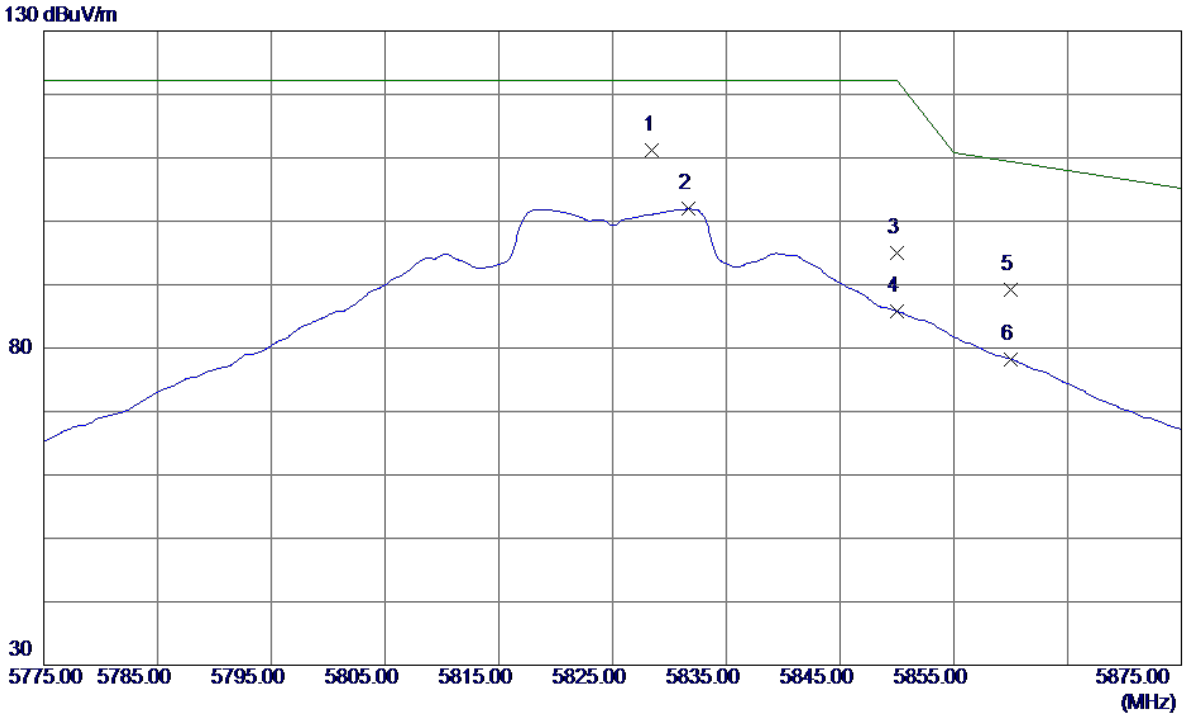
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11649.9500	32.04	17.86	49.90	54.00	-4.10	AVG	
2	11651.8000	41.11	17.86	58.97	74.00	-15.03	Peak	

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

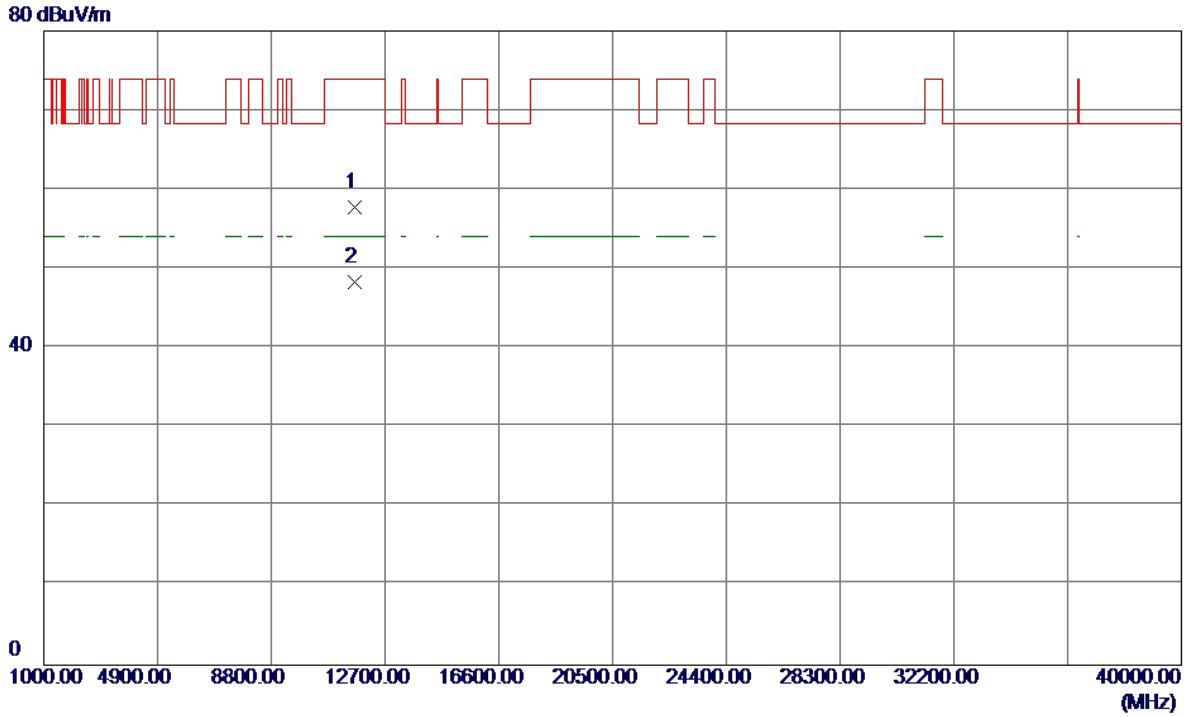
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5828.5000	67.36	43.87	111.23	122.20	-10.97	Peak	
2	5831.7000	58.03	43.88	101.91	122.20	-20.29	AVG	
3	5850.0000	51.12	43.94	95.06	122.20	-27.14	Peak	
4	5850.0000	41.88	43.94	85.82	122.20	-36.38	AVG	
5	5860.0000	45.28	43.97	89.25	109.40	-20.15	Peak	
6	5860.0000	34.28	43.97	78.25	109.40	-31.15	AVG	

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

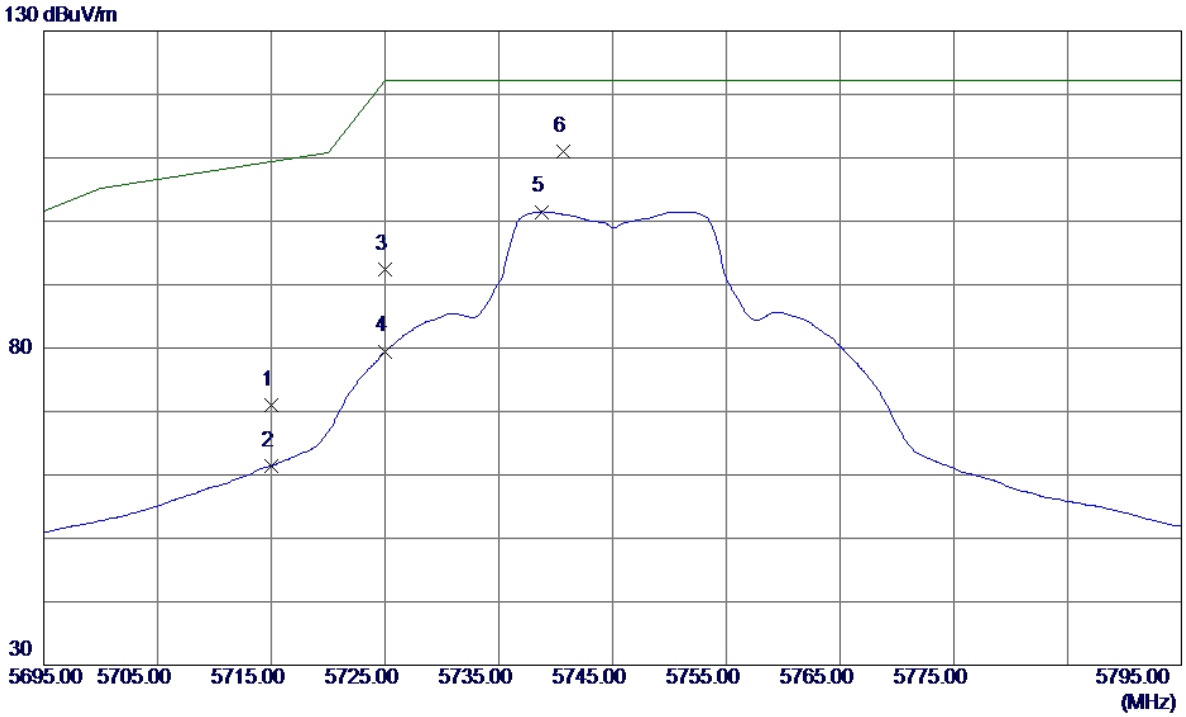
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11654.7000	39.86	17.86	57.72	74.00	-16.28	Peak	
2 *	11655.8500	30.44	17.86	48.30	54.00	-5.70	AVG	

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

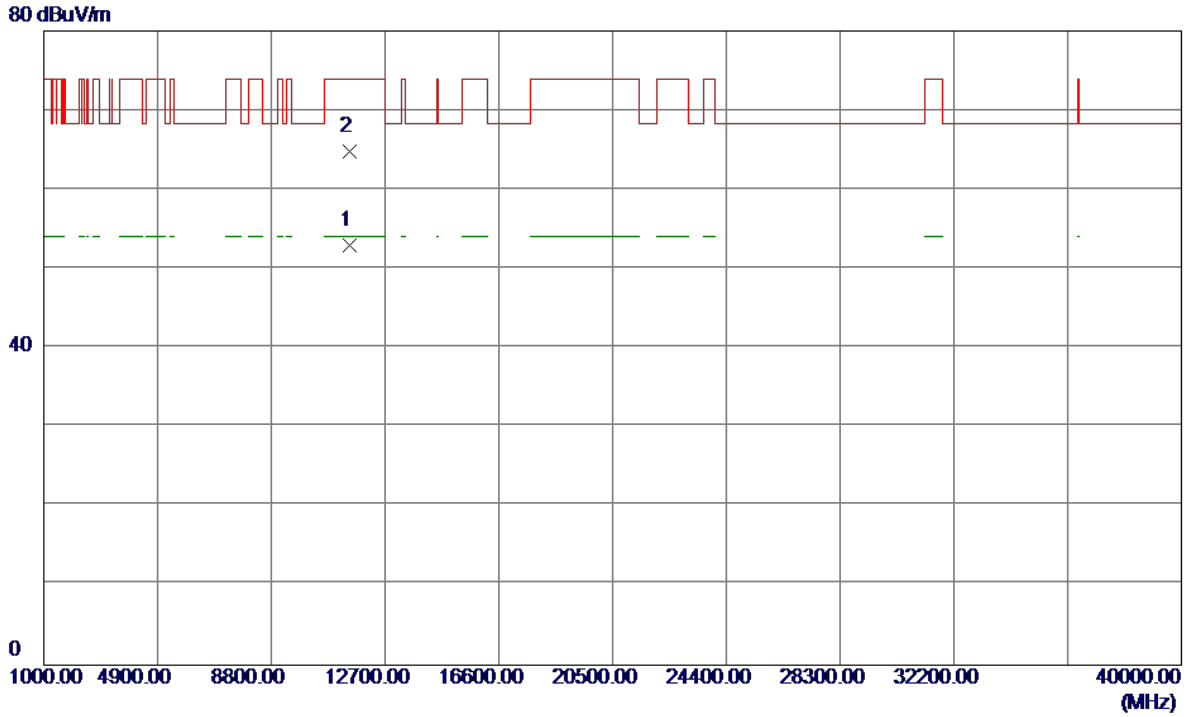
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	27.48	43.53	71.01	109.40	-38.39	Peak	
2	5715.0000	17.90	43.53	61.43	109.40	-47.97	AVG	
3	5725.0000	48.77	43.56	92.33	122.20	-29.87	Peak	
4	5725.0000	35.94	43.56	79.50	122.20	-42.70	AVG	
5	5738.8000	57.90	43.60	101.50	122.20	-20.70	AVG	
6 *	5740.7000	67.43	43.61	111.04	122.20	-11.16	Peak	

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

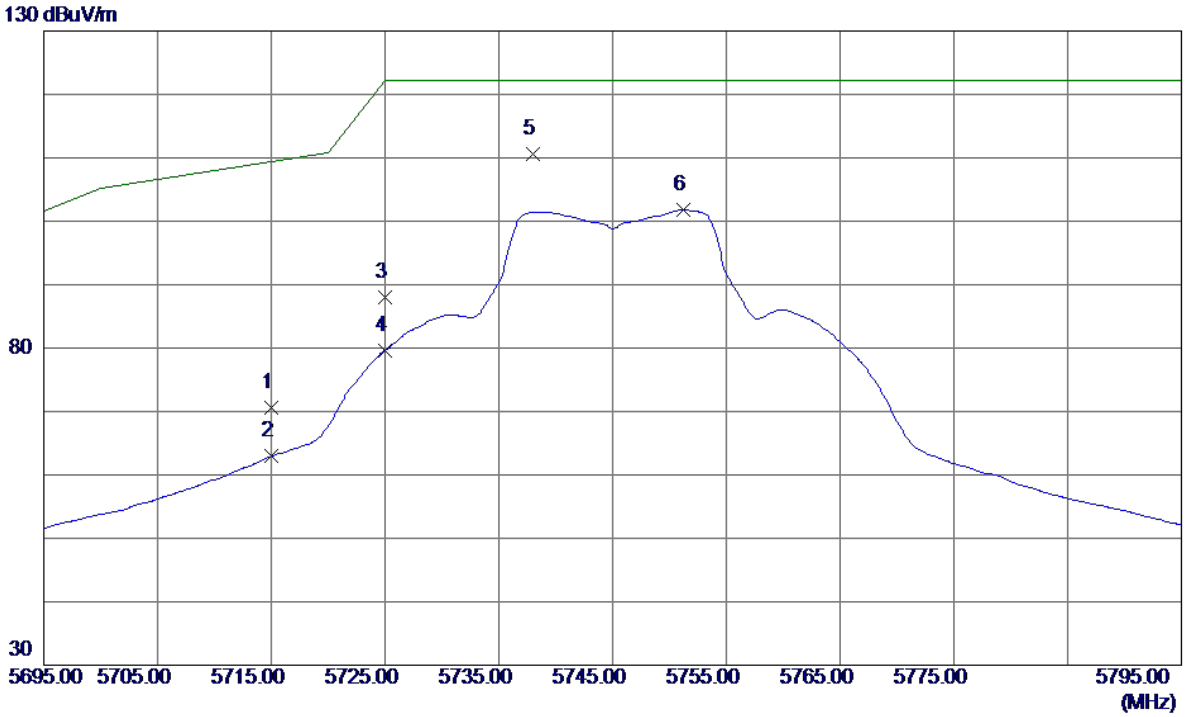
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11489.1800	35.13	17.75	52.88	54.00	-1.12	AVG	
2	11490.4400	47.00	17.75	64.75	74.00	-9.25	Peak	

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

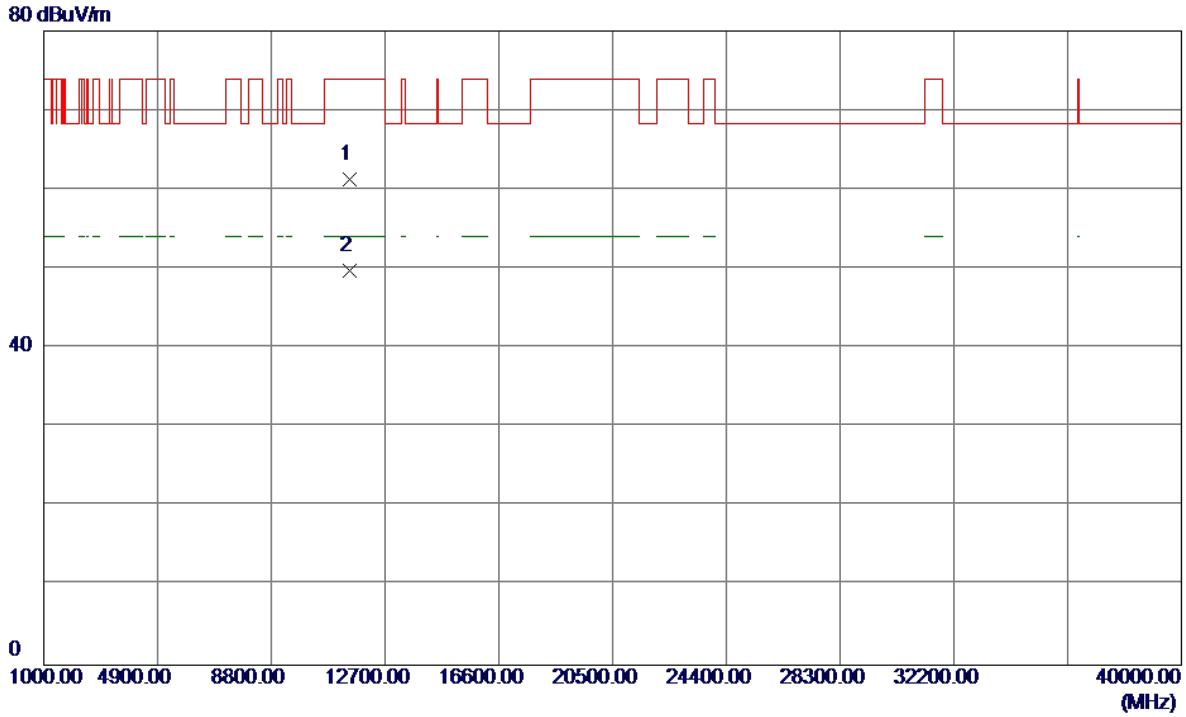
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	27.06	43.53	70.59	109.40	-38.81	Peak	
2	5715.0000	19.44	43.53	62.97	109.40	-46.43	AVG	
3	5725.0000	44.41	43.56	87.97	122.20	-34.23	Peak	
4	5725.0000	36.07	43.56	79.63	122.20	-42.57	AVG	
5 *	5738.0000	66.91	43.60	110.51	122.20	-11.69	Peak	
6	5751.2000	58.11	43.64	101.75	122.20	-20.45	AVG	

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

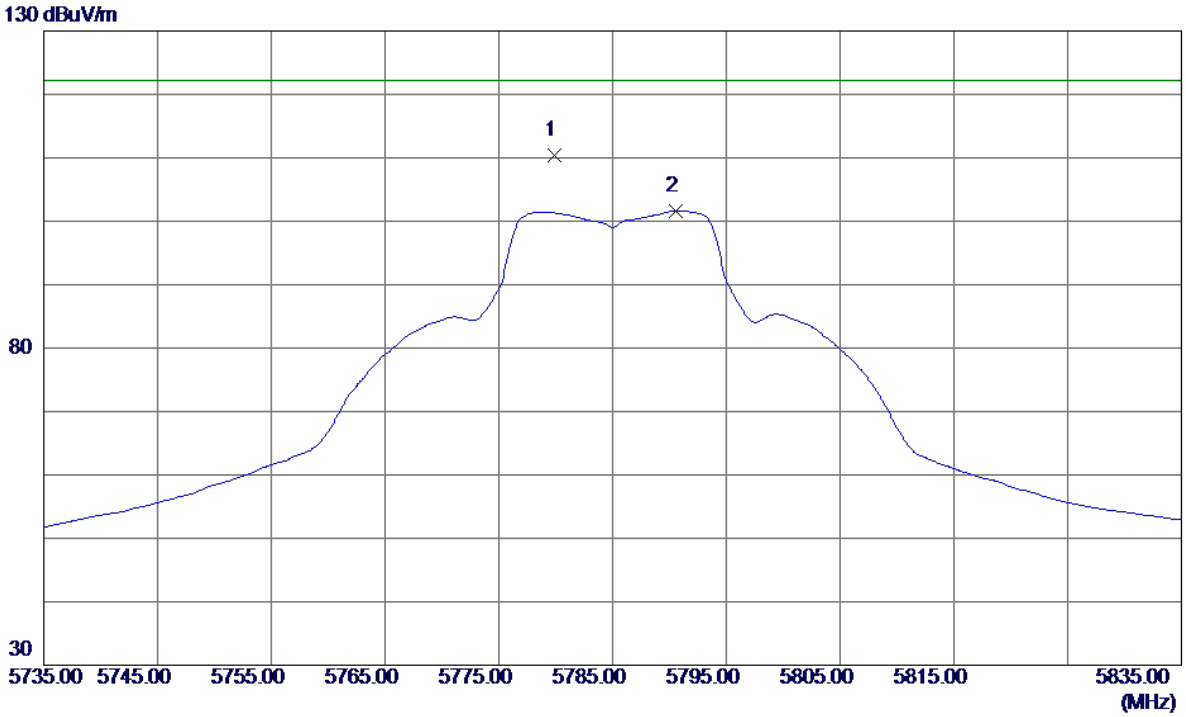
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11487.9400	43.54	17.74	61.28	74.00	-12.72	Peak	
2 *	11489.3800	31.95	17.75	49.70	54.00	-4.30	AVG	

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

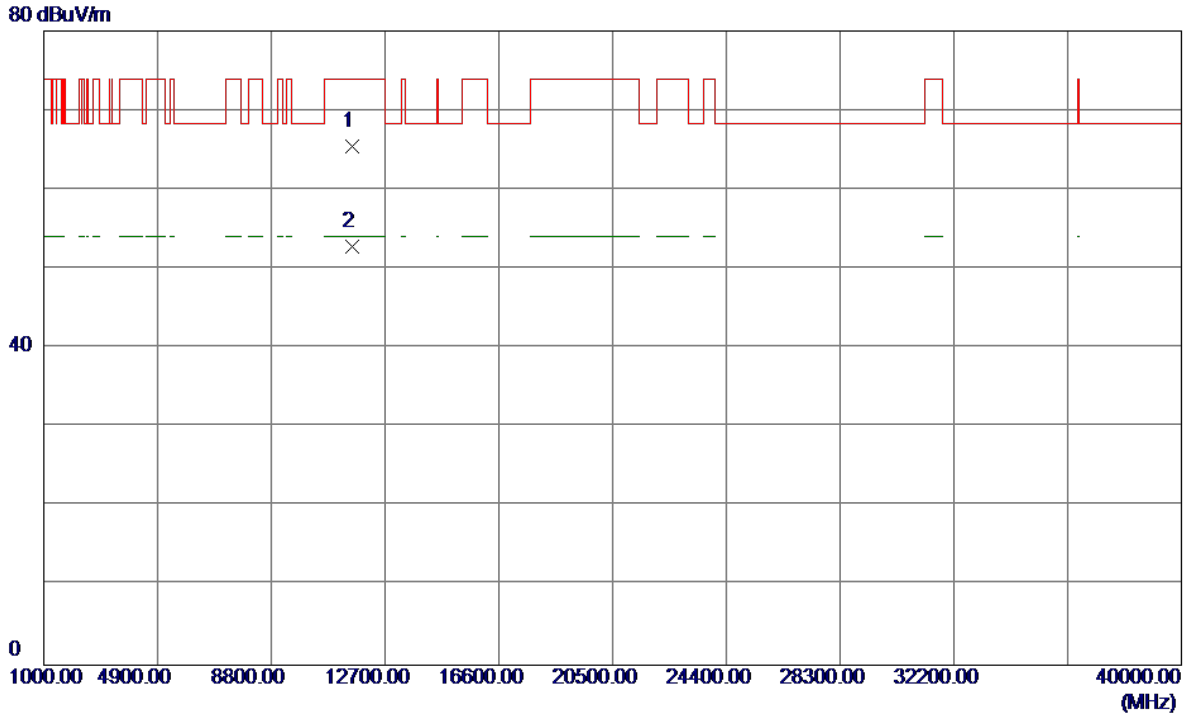
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5779.9000	66.63	43.73	110.36	122.20	-11.84	Peak	
2	5790.6000	57.91	43.76	101.67	122.20	-20.53	AVG	

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

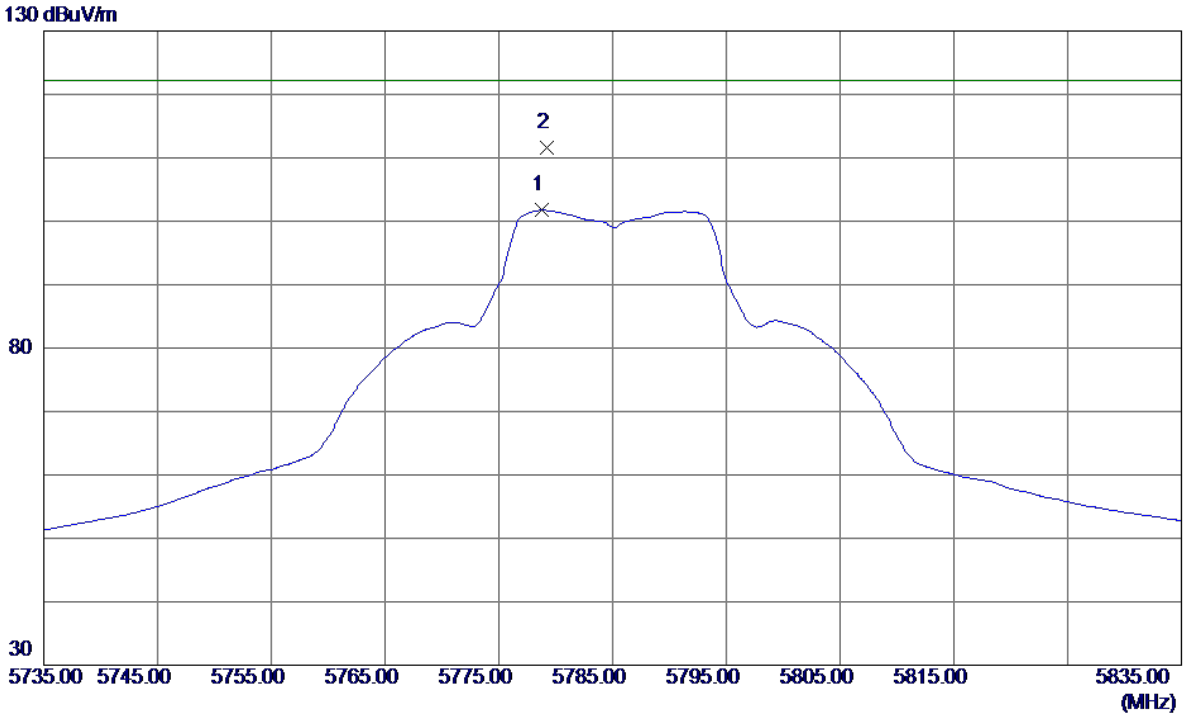
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11567.8500	47.61	17.82	65.43	74.00	-8.57	Peak	
2 *	11569.4500	35.02	17.82	52.84	54.00	-1.16	AVG	

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

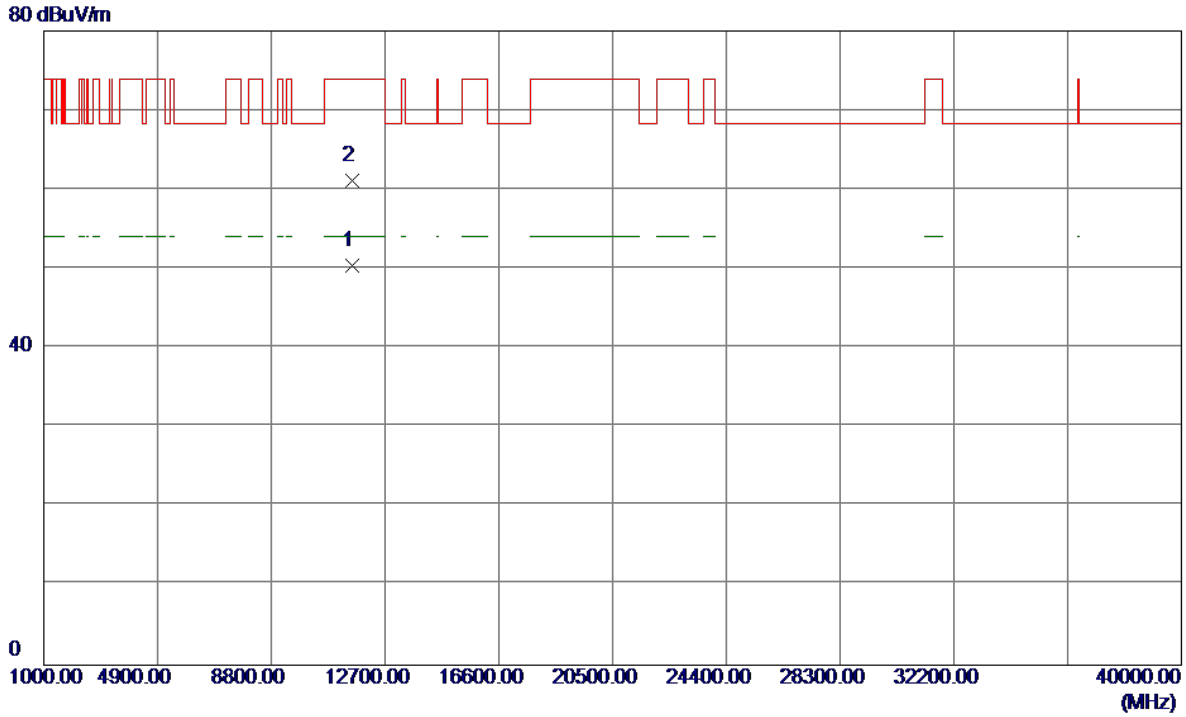
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5778.8000	58.02	43.72	101.74	122.20	-20.46	AVG	
2 *	5779.2000	67.92	43.72	111.64	122.20	-10.56	Peak	

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

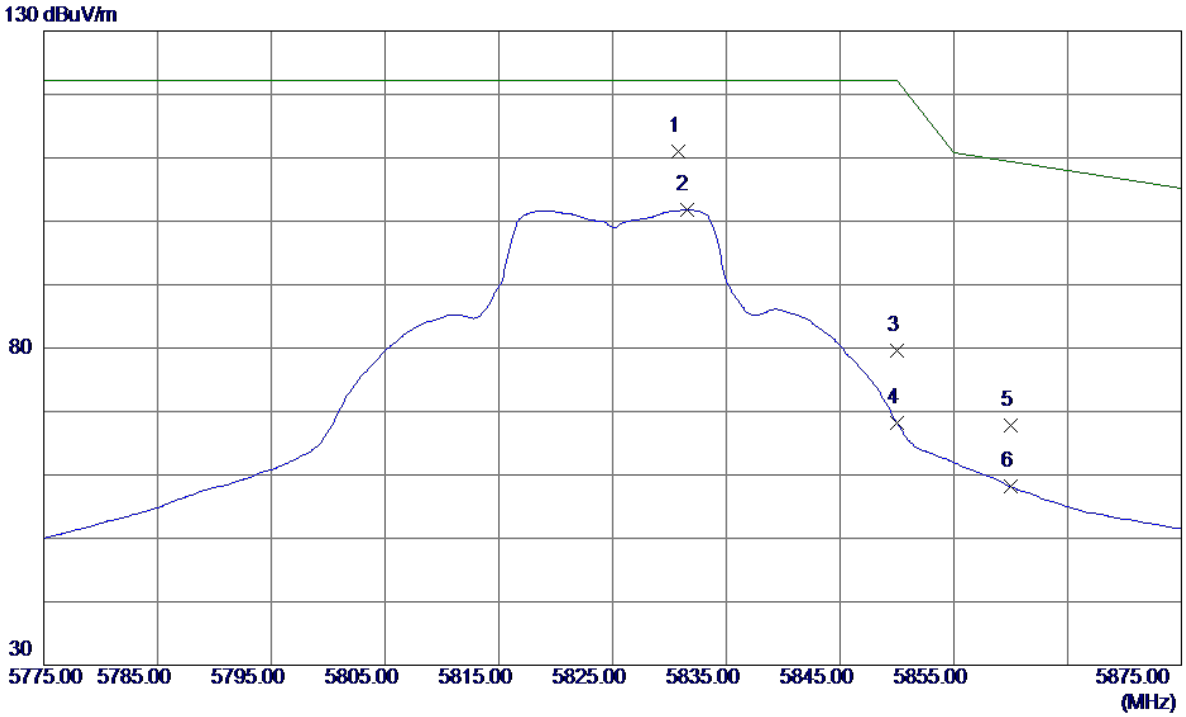
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11569.7500	32.64	17.82	50.46	54.00	-3.54	AVG	
2	11572.2000	43.25	17.82	61.07	74.00	-12.93	Peak	

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

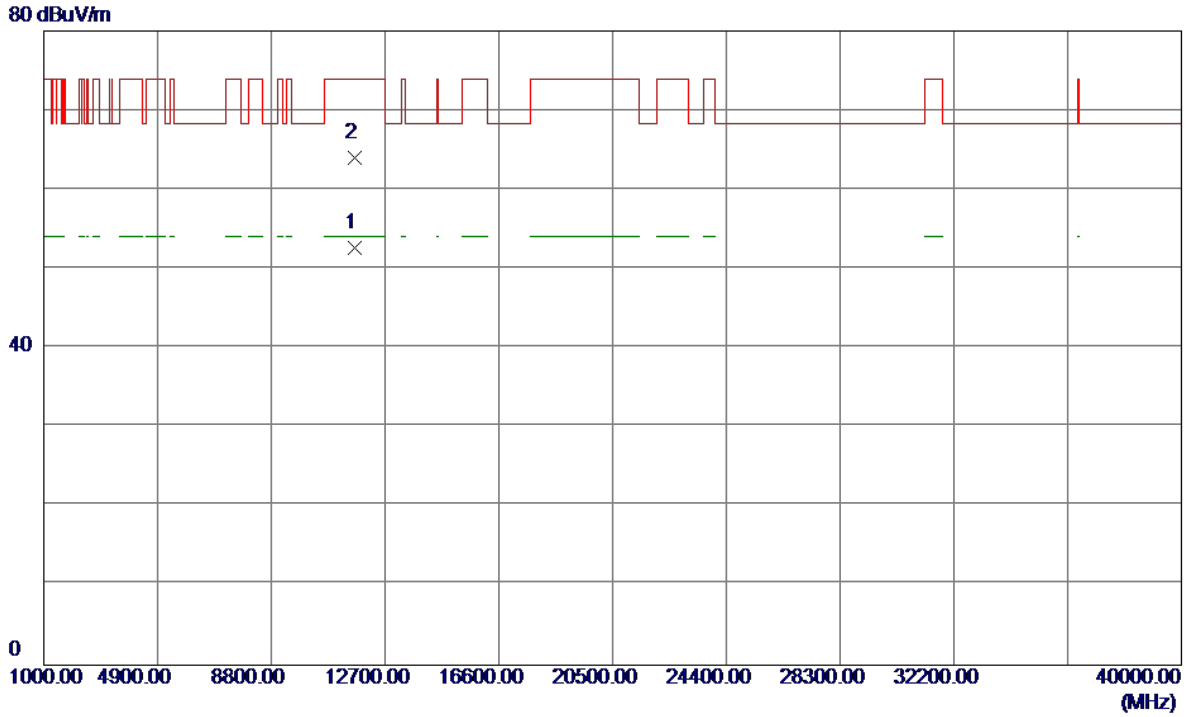
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5830.8000	67.11	43.88	110.99	122.20	-11.21	Peak	
2	5831.5000	57.88	43.88	101.76	122.20	-20.44	AVG	
3	5850.0000	35.65	43.94	79.59	122.20	-42.61	Peak	
4	5850.0000	24.25	43.94	68.19	122.20	-54.01	AVG	
5	5860.0000	23.86	43.97	67.83	109.40	-41.57	Peak	
6	5860.0000	14.15	43.97	58.12	109.40	-51.28	AVG	

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

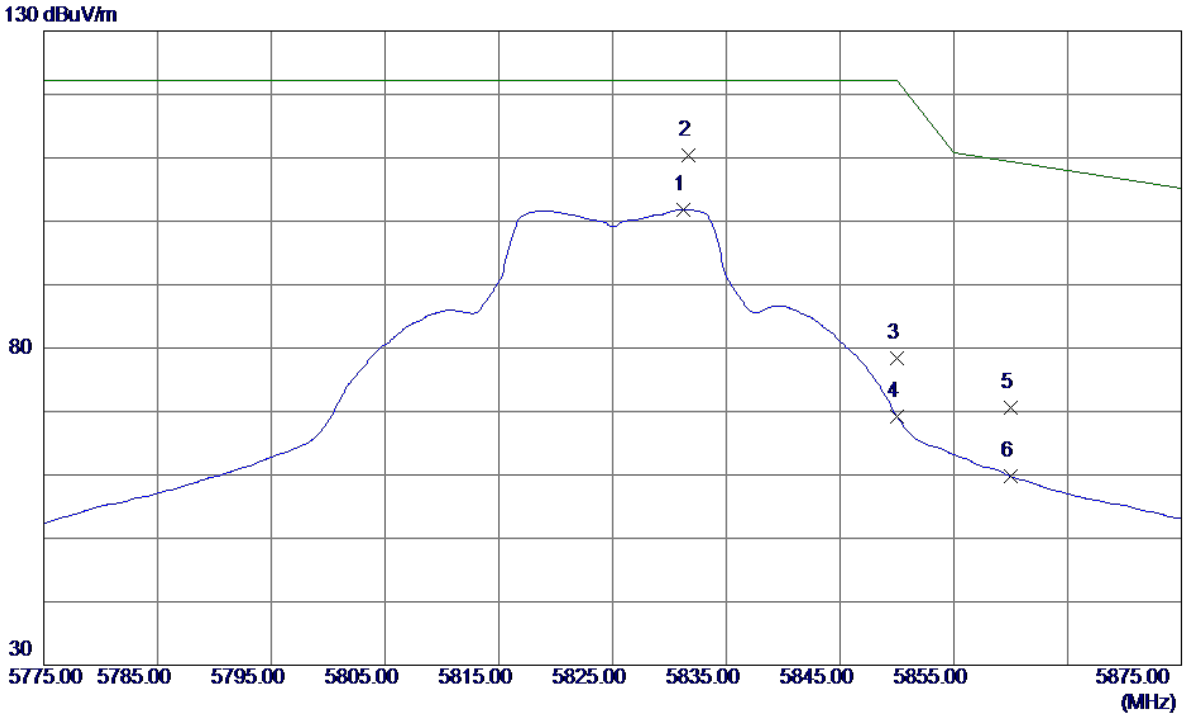
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11650.4500	34.83	17.86	52.69	54.00	-1.31	AVG	
2	11650.7000	46.08	17.86	63.94	74.00	-10.06	Peak	

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

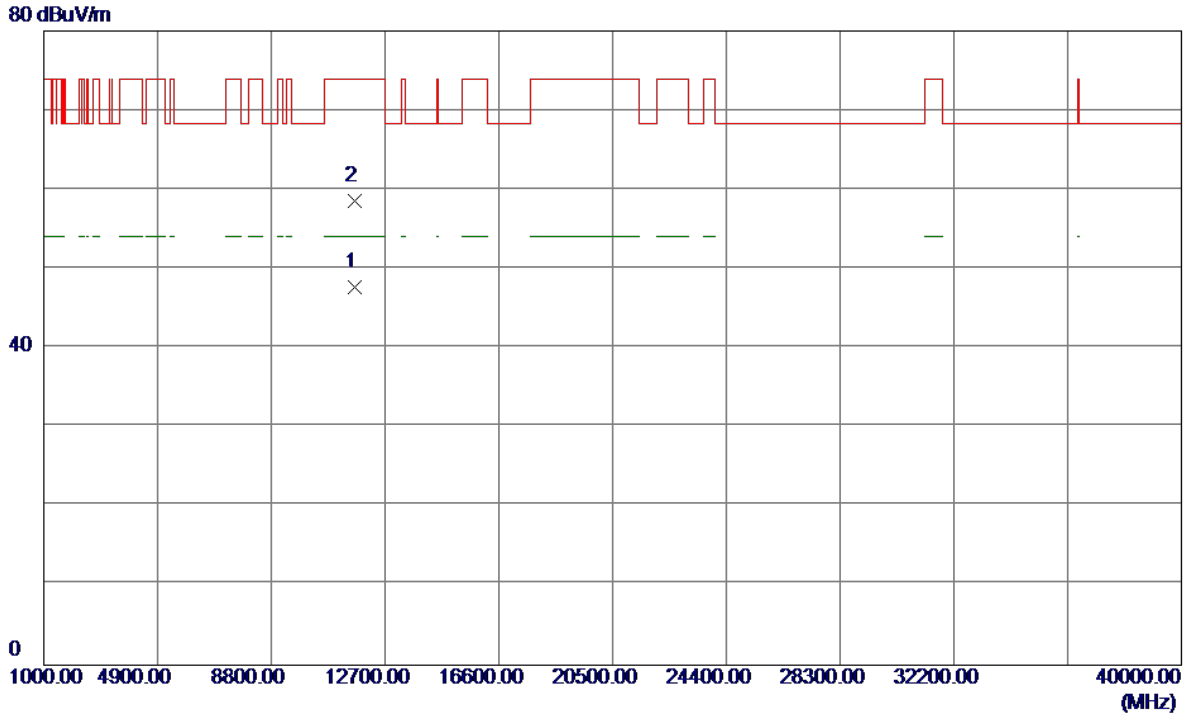
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5831.2000	57.94	43.88	101.82	122.20	-20.38	AVG	
2 *	5831.7000	66.45	43.88	110.33	122.20	-11.87	Peak	
3	5850.0000	34.41	43.94	78.35	122.20	-43.85	Peak	
4	5850.0000	25.29	43.94	69.23	122.20	-52.97	AVG	
5	5860.0000	26.54	43.97	70.51	109.40	-38.89	Peak	
6	5860.0000	15.77	43.97	59.74	109.40	-49.66	AVG	

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

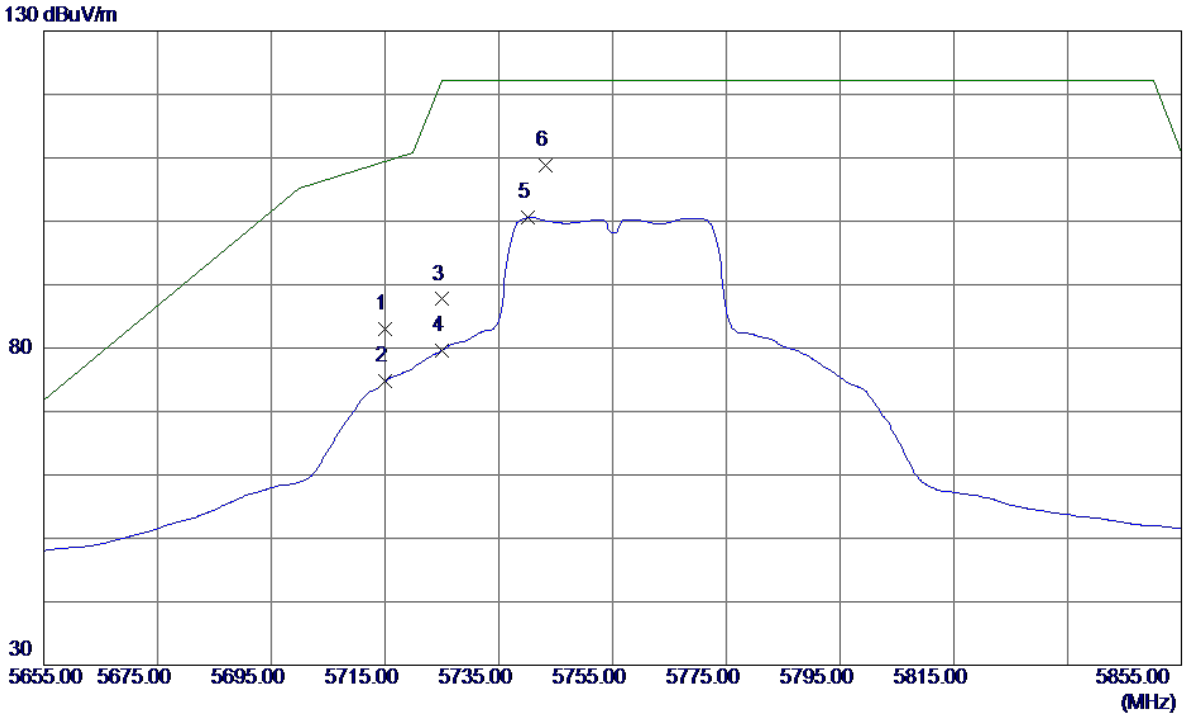
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11650.4000	29.90	17.86	47.76	54.00	-6.24	AVG	
2	11651.4000	40.71	17.86	58.57	74.00	-15.43	Peak	

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

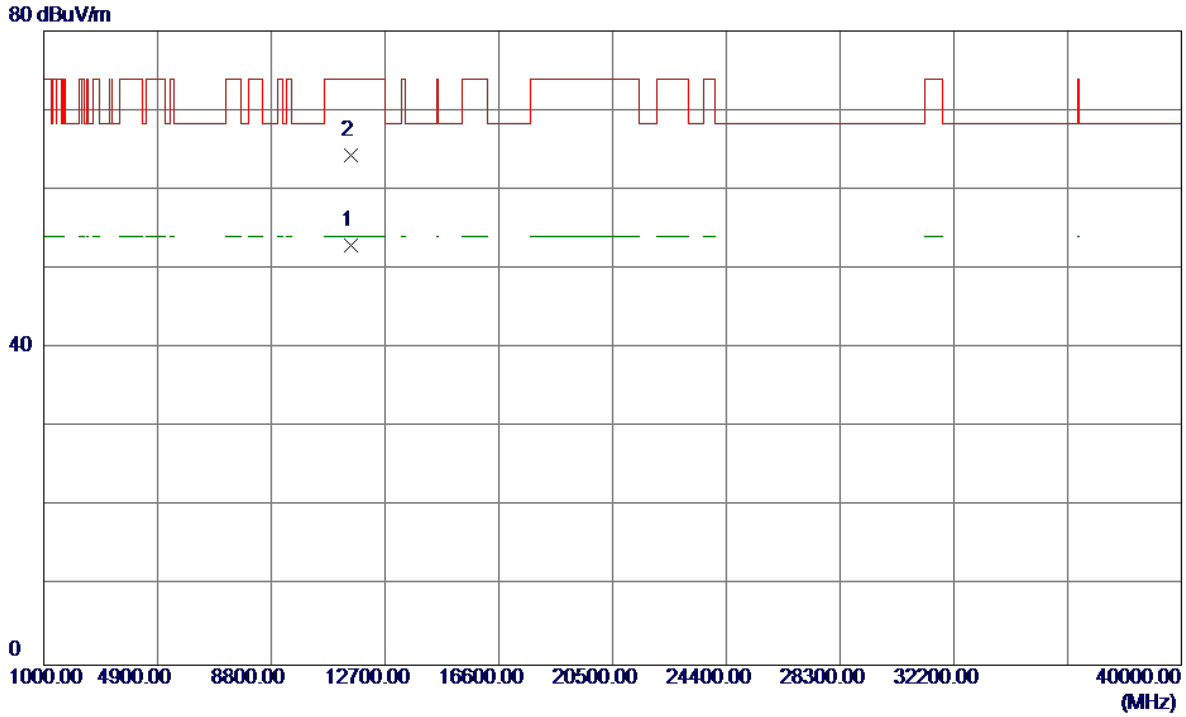
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	39.38	43.53	82.91	109.40	-26.49	Peak	
2	5715.0000	31.22	43.53	74.75	109.40	-34.65	AVG	
3	5725.0000	44.14	43.56	87.70	122.20	-34.50	Peak	
4	5725.0000	36.07	43.56	79.63	122.20	-42.57	AVG	
5	5740.2000	56.98	43.61	100.59	122.20	-21.61	AVG	
6 *	5743.2000	65.26	43.61	108.87	122.20	-13.33	Peak	

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

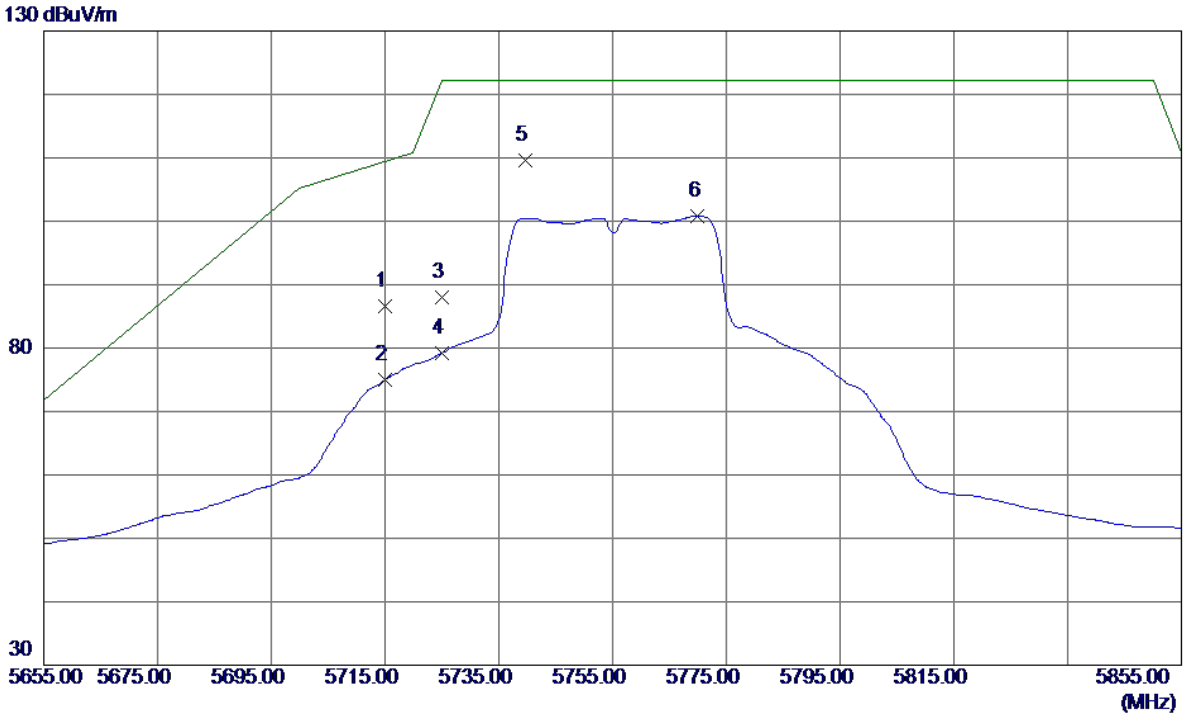
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11514.2500	35.19	17.79	52.98	54.00	-1.02	AVG	
2	11518.0000	46.60	17.79	64.39	74.00	-9.61	Peak	

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

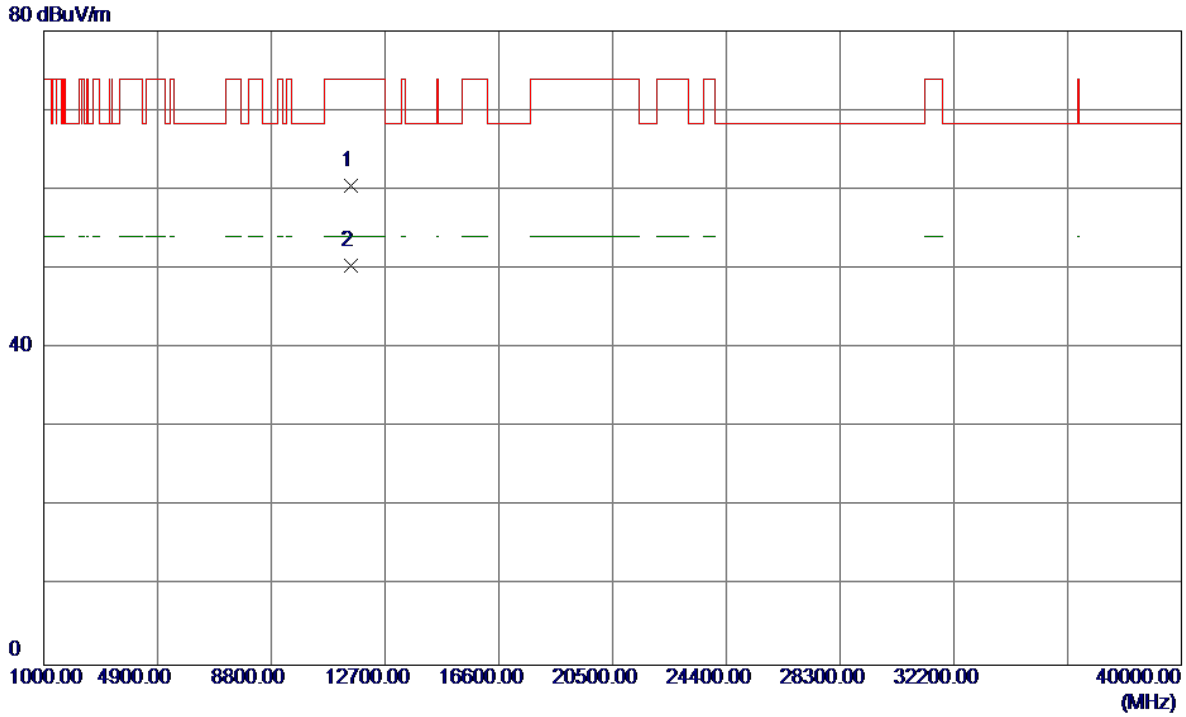
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	43.08	43.53	86.61	109.40	-22.79	Peak	
2	5715.0000	31.50	43.53	75.03	109.40	-34.37	AVG	
3	5725.0000	44.44	43.56	88.00	122.20	-34.20	Peak	
4	5725.0000	35.71	43.56	79.27	122.20	-42.93	AVG	
5 *	5739.6000	66.04	43.60	109.64	122.20	-12.56	Peak	
6	5770.0000	57.17	43.70	100.87	122.20	-21.33	AVG	

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

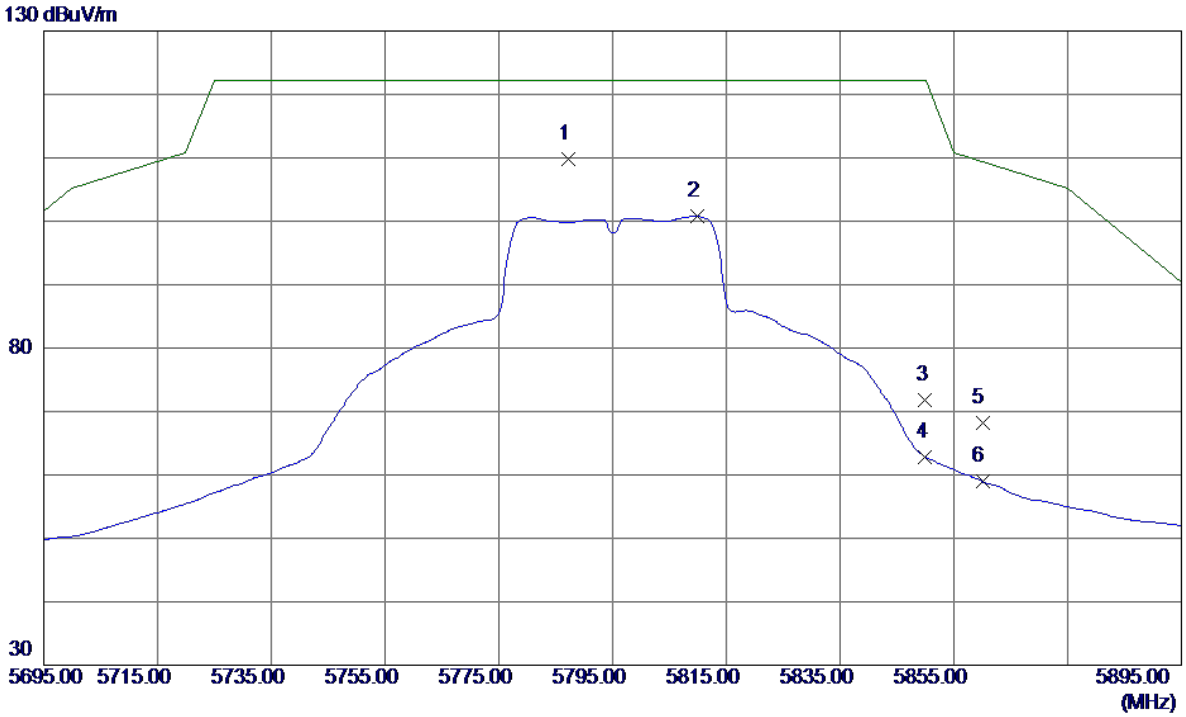
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11508.3500	42.65	17.79	60.44	74.00	-13.56	Peak	
2 *	11509.2000	32.54	17.79	50.33	54.00	-3.67	AVG	

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

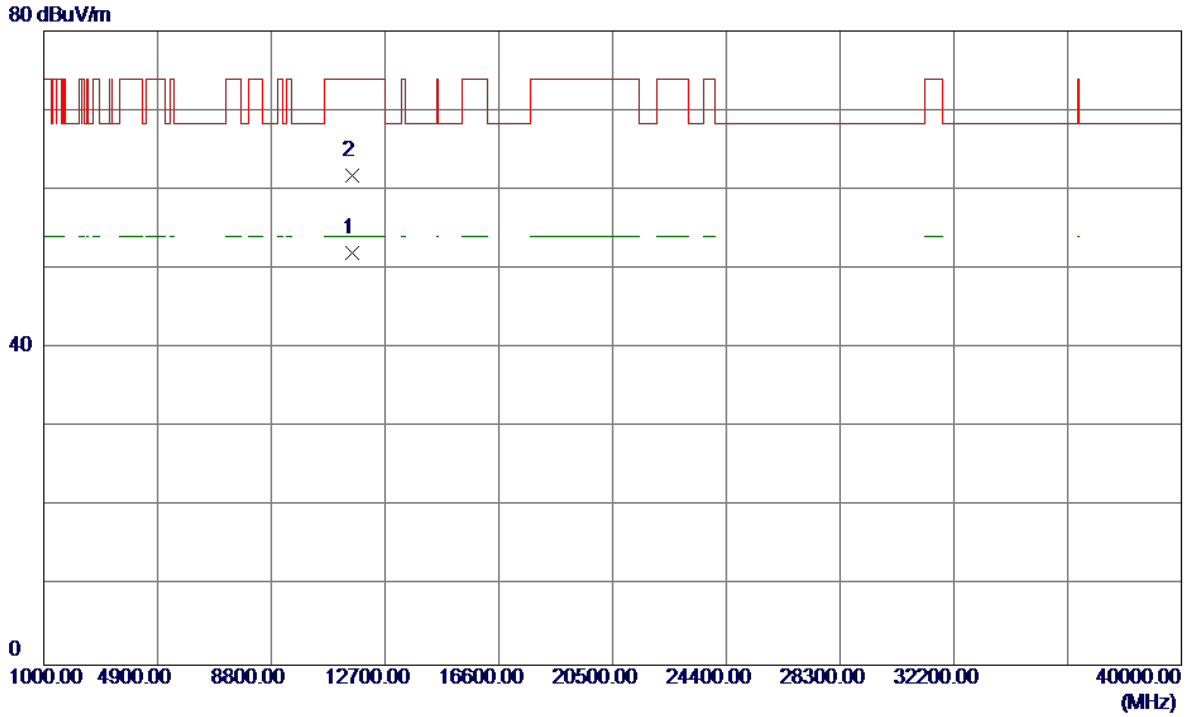
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5787.2000	66.14	43.75	109.89	122.20	-12.31	Peak	
2	5809.8000	56.99	43.82	100.81	122.20	-21.39	AVG	
3	5850.0000	27.85	43.94	71.79	122.20	-50.41	Peak	
4	5850.0000	18.87	43.94	62.81	122.20	-59.39	AVG	
5	5860.0000	24.28	43.97	68.25	109.40	-41.15	Peak	
6	5860.0000	15.01	43.97	58.98	109.40	-50.42	AVG	

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

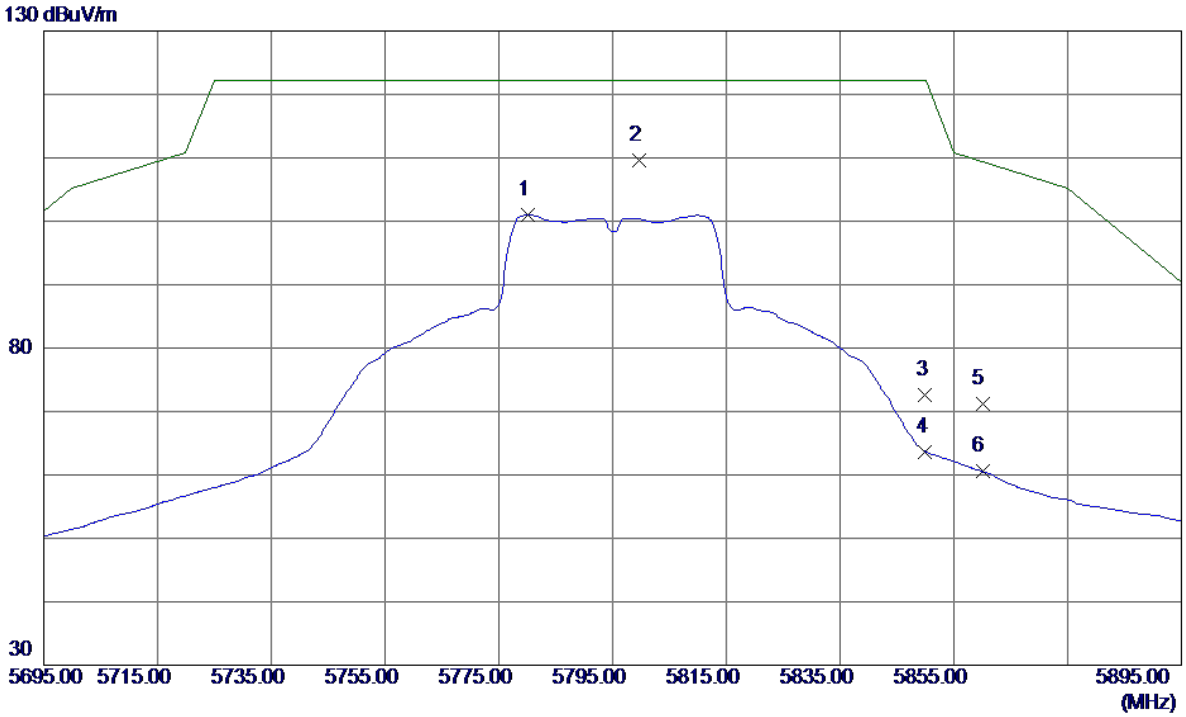
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11588.4000	34.16	17.83	51.99	54.00	-2.01	AVG	
2	11589.6000	43.94	17.83	61.77	74.00	-12.23	Peak	

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

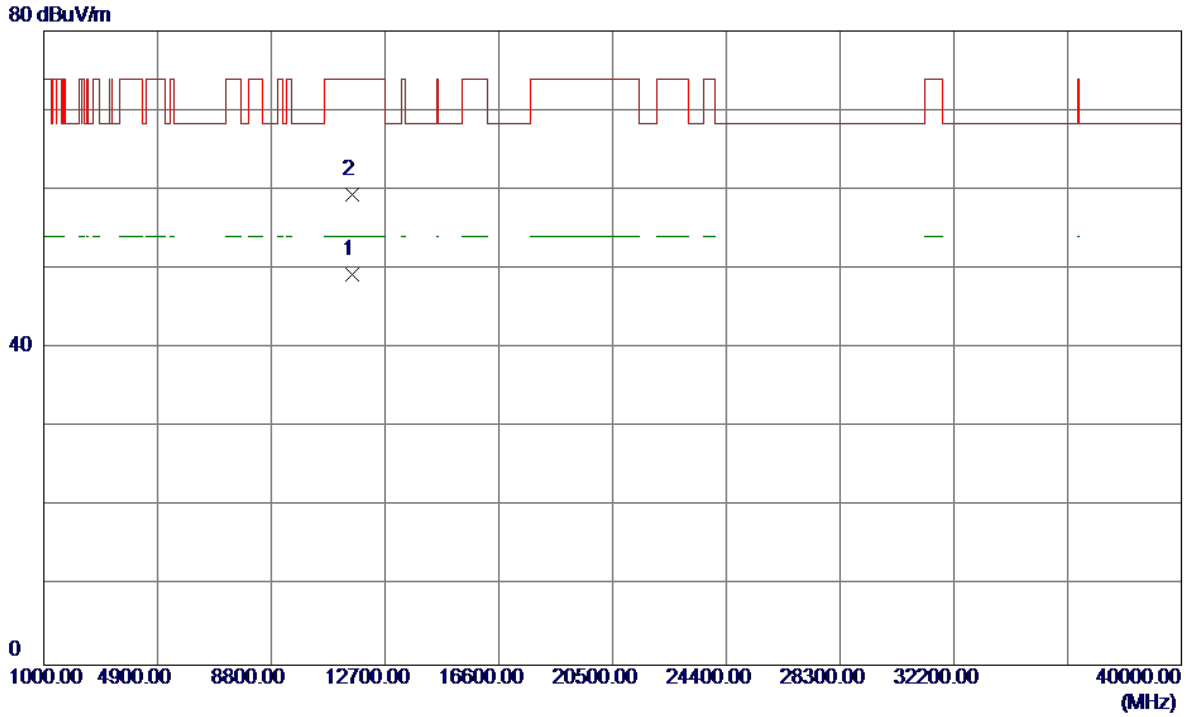
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5780.2000	57.33	43.73	101.06	122.20	-21.14	AVG	
2 *	5799.6000	65.79	43.78	109.57	122.20	-12.63	Peak	
3	5850.0000	28.64	43.94	72.58	122.20	-49.62	Peak	
4	5850.0000	19.75	43.94	63.69	122.20	-58.51	AVG	
5	5860.0000	27.31	43.97	71.28	109.40	-38.12	Peak	
6	5860.0000	16.59	43.97	60.56	109.40	-48.84	AVG	

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

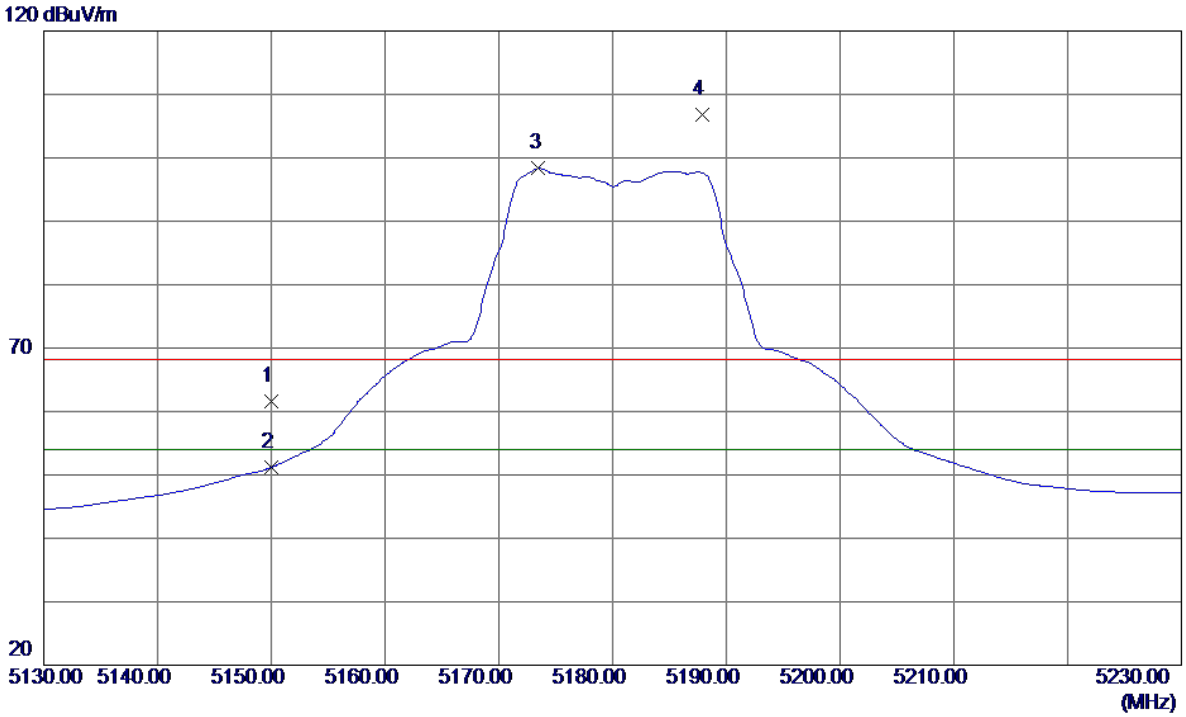
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11589.7000	31.40	17.83	49.23	54.00	-4.77	AVG	
2	11594.2000	41.57	17.83	59.40	74.00	-14.60	Peak	

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

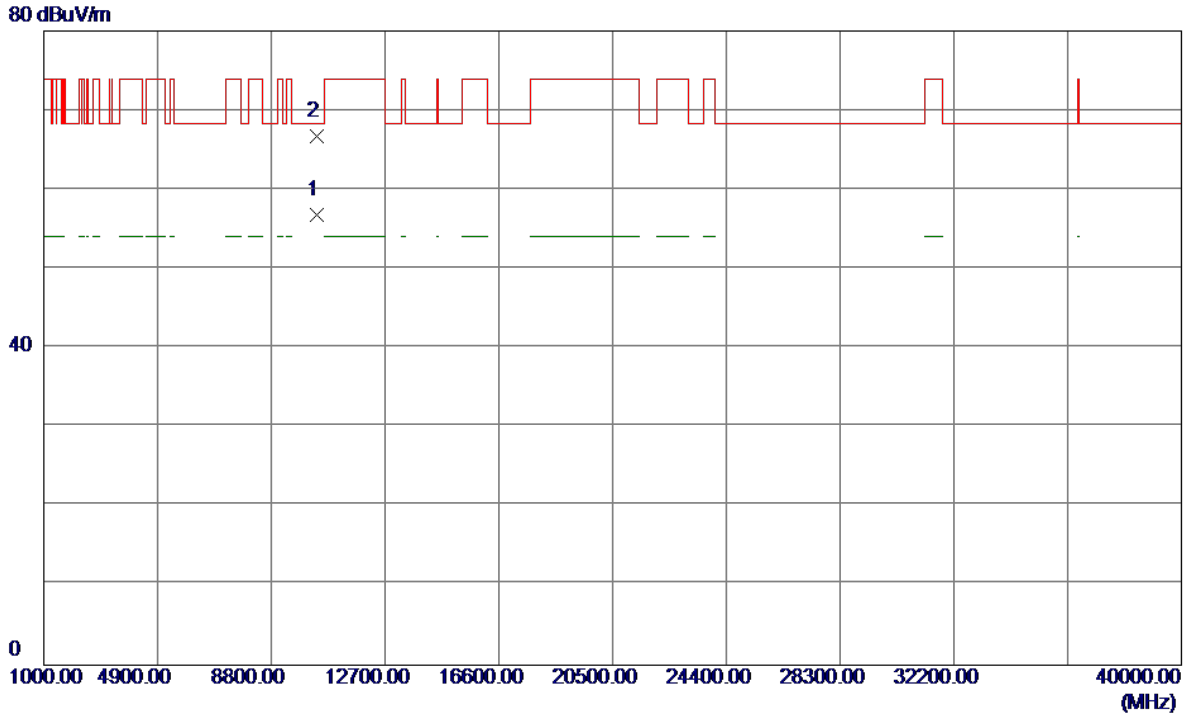
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.48	41.10	61.58	68.30	-6.72	Peak	
2	5150.0000	10.09	41.10	51.19	54.00	-2.81	AVG	
3 *	5173.5000	57.11	41.22	98.33	54.00	44.33	AVG	No Limit
4	5187.9000	65.54	41.29	106.83	68.30	38.53	Peak	No Limit

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

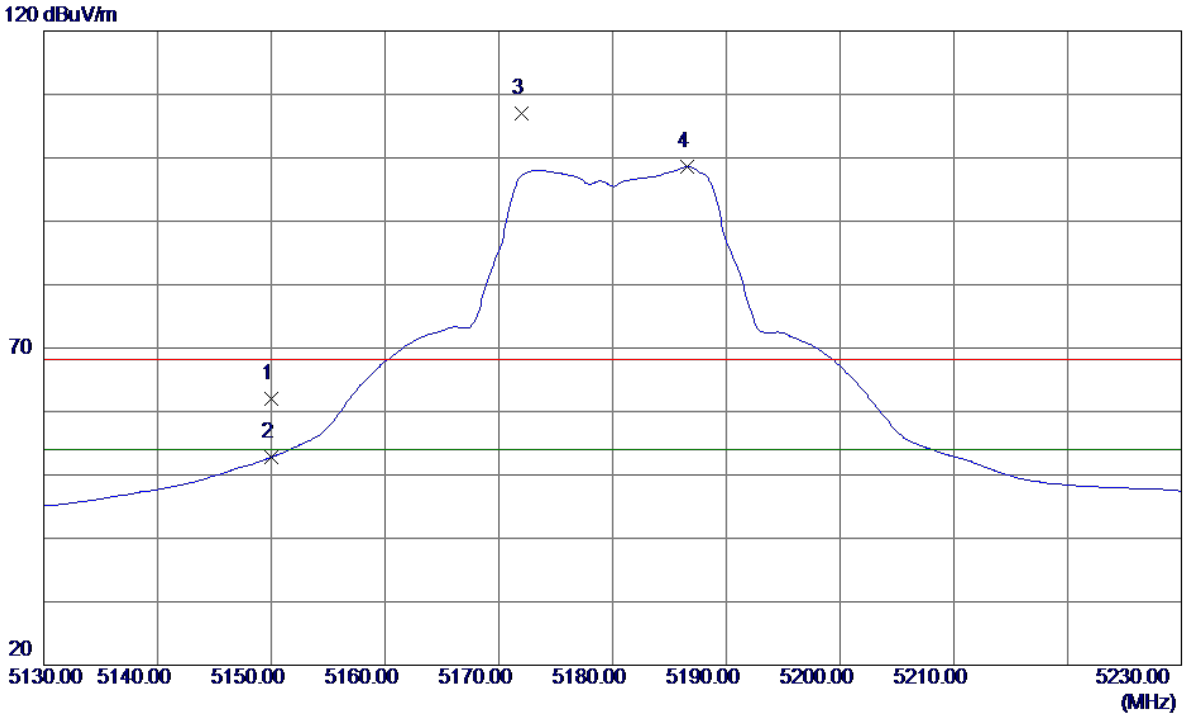
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.4000	40.48	16.33	56.81	999.00	-942.19	AVG	
2 *	10360.6600	50.37	16.33	66.70	68.30	-1.60	Peak	

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

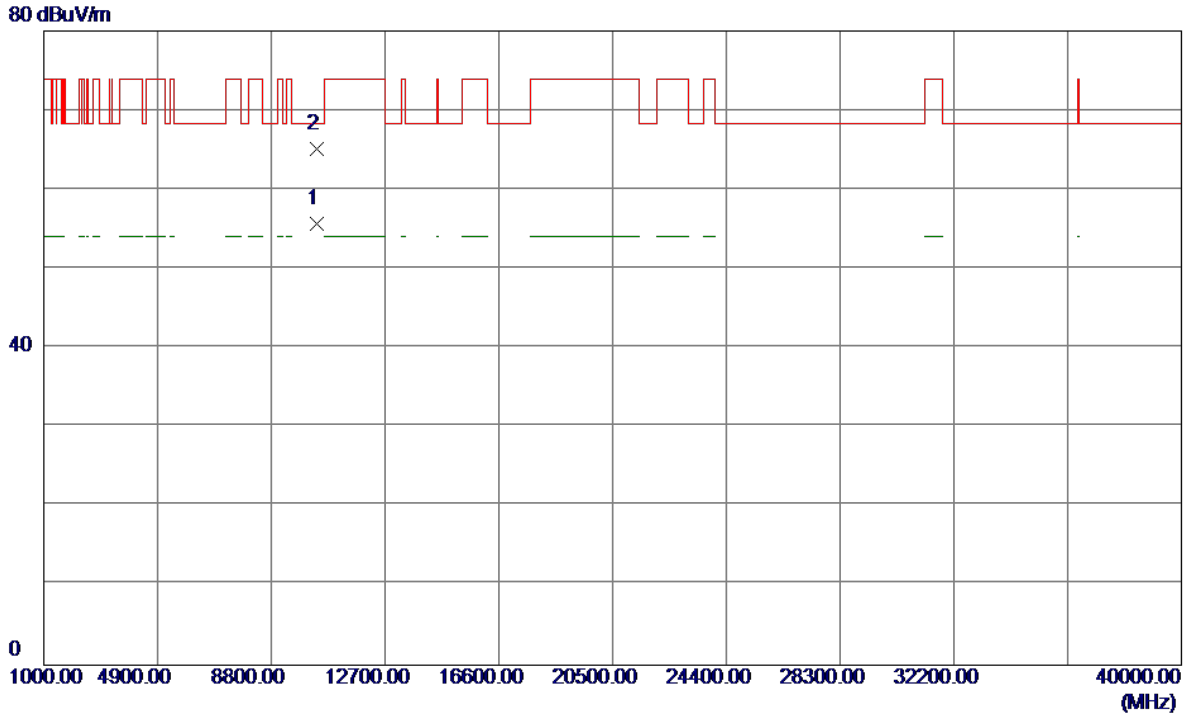
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.91	41.10	62.01	68.30	-6.29	Peak	
2	5150.0000	11.68	41.10	52.78	54.00	-1.22	AVG	
3	5172.0000	65.70	41.21	106.91	68.30	38.61	Peak	No Limit
4 *	5186.6000	57.33	41.29	98.62	54.00	44.62	AVG	No Limit

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

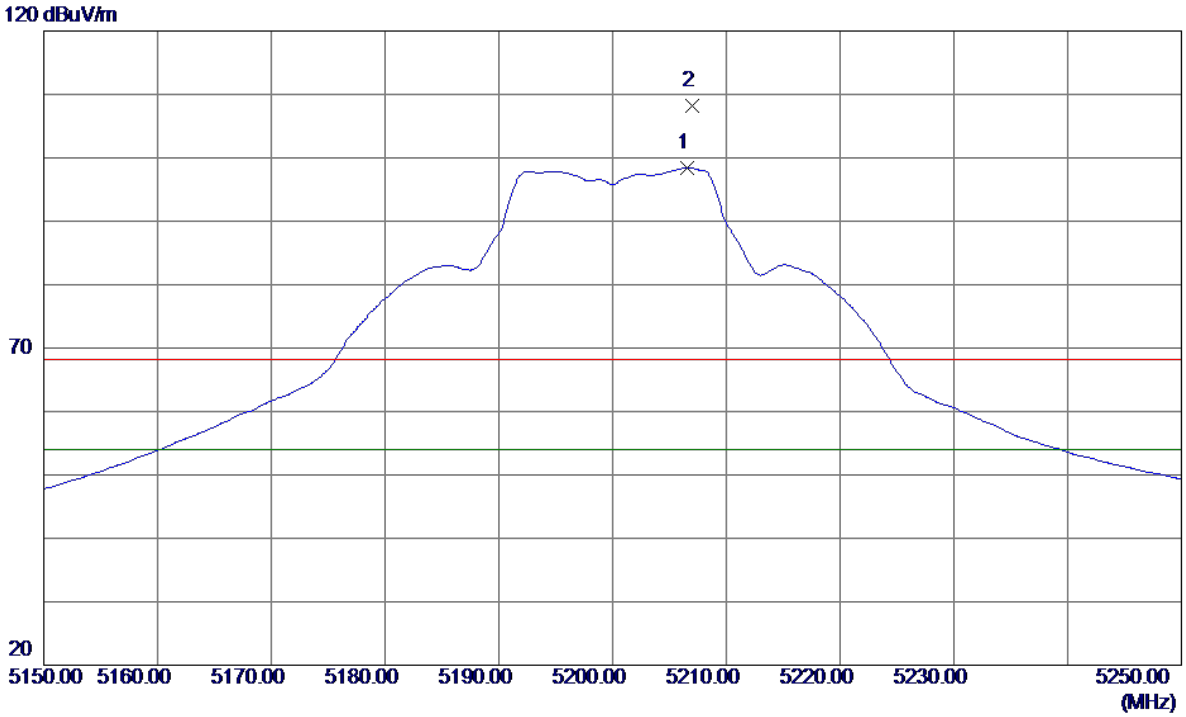
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.7000	39.39	16.33	55.72	999.00	-943.28	AVG	
2 *	10368.5500	48.84	16.35	65.19	68.30	-3.11	Peak	

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

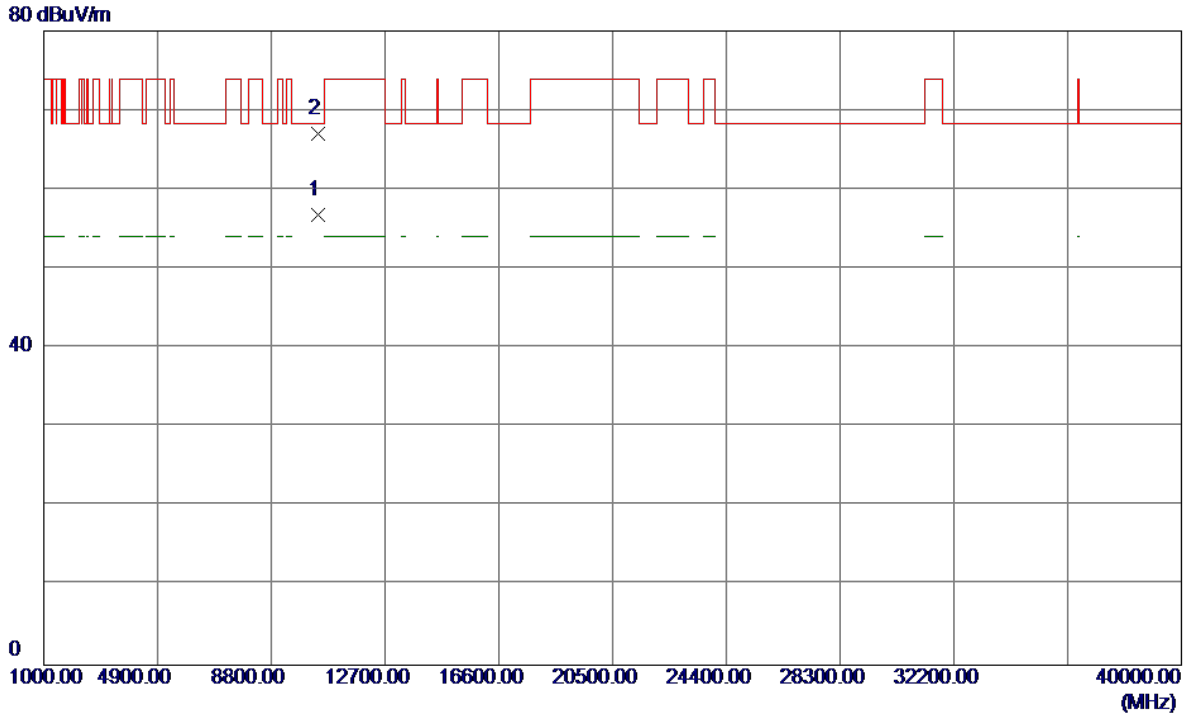
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5206.6000	57.07	41.39	98.46	54.00	44.46	AVG	No Limit
2	5207.0000	66.84	41.39	108.23	68.30	39.93	Peak	No Limit

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

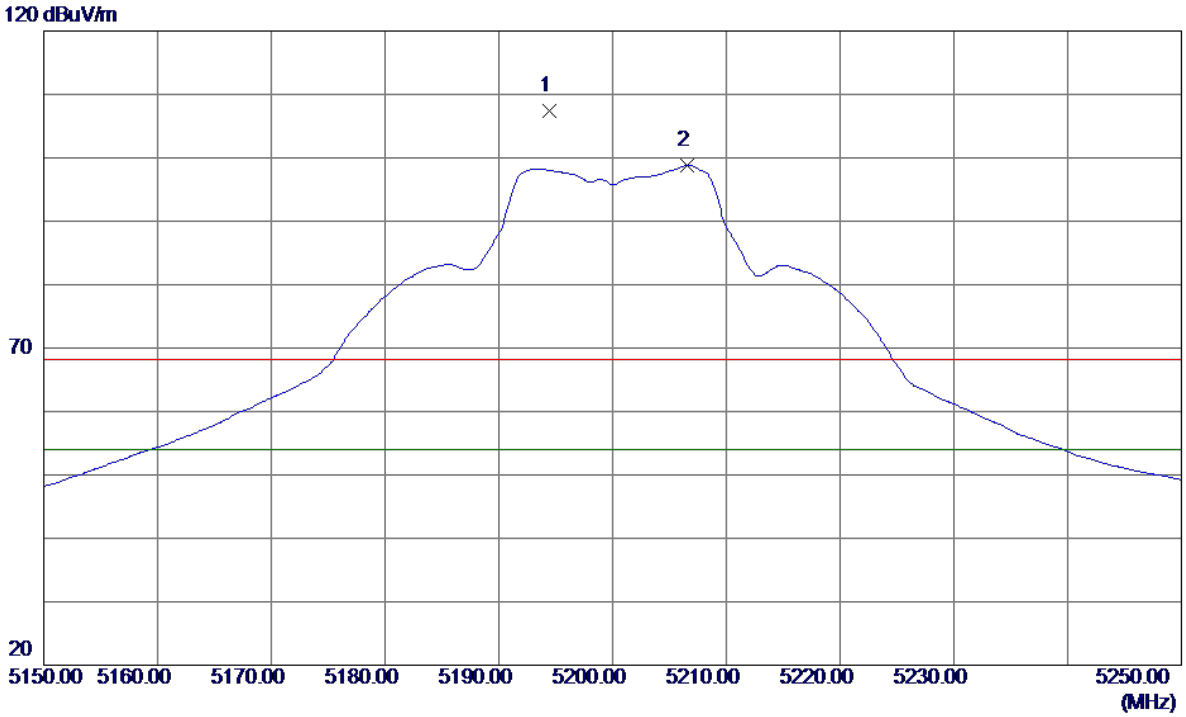
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.2600	40.36	16.44	56.80	999.00	-942.20	AVG	
2 *	10400.5199	50.66	16.44	67.10	68.30	-1.20	Peak	

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

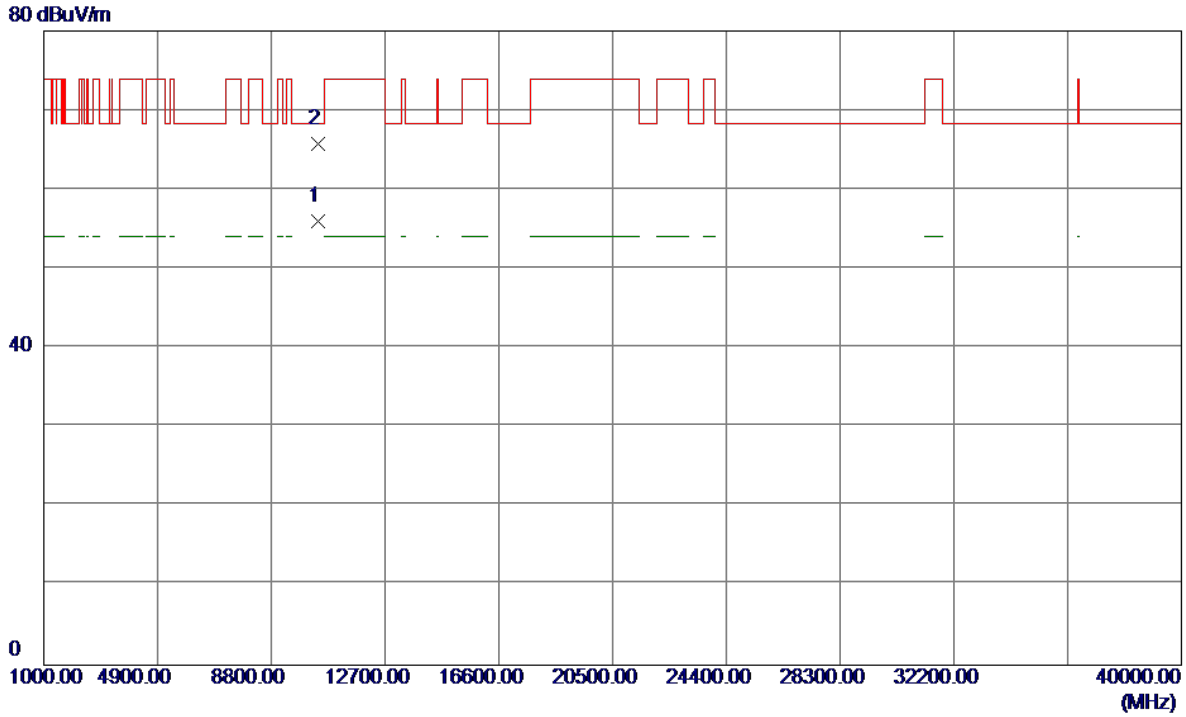
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.4000	66.08	41.33	107.41	68.30	39.11	Peak	No Limit
2 *	5206.6000	57.47	41.39	98.86	54.00	44.86	AVG	No Limit

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

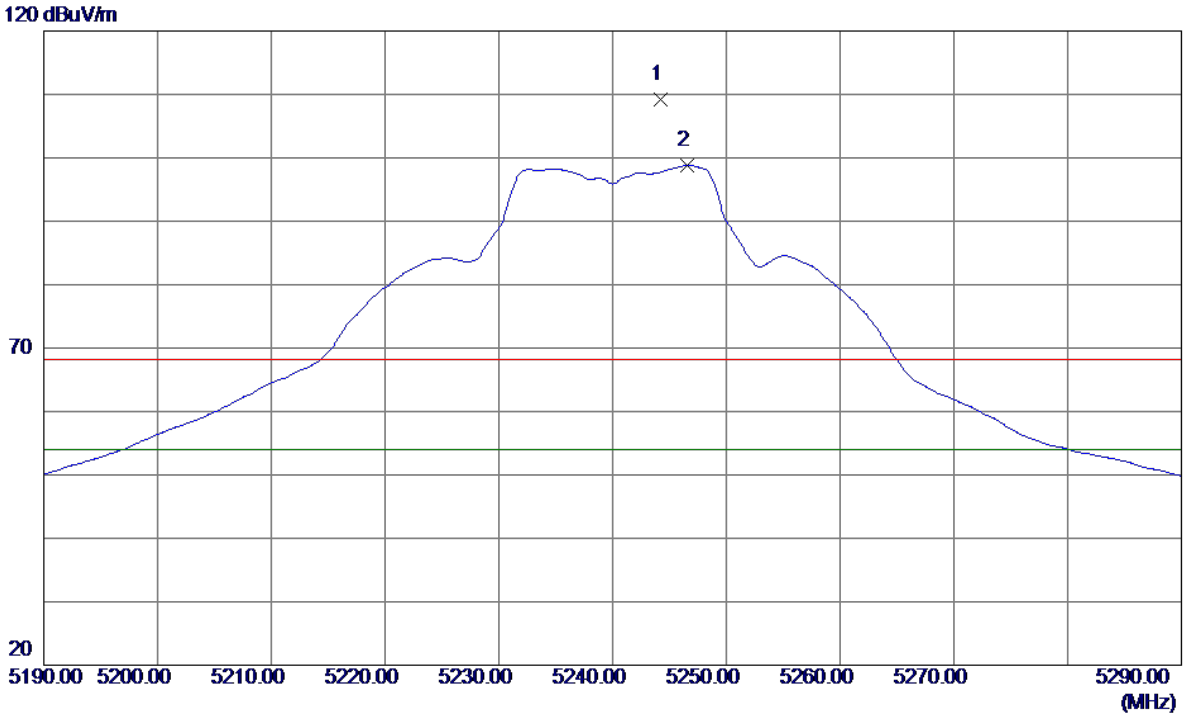
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.2000	39.56	16.44	56.00	999.00	-943.00	AVG	
2 *	10407.0000	49.33	16.46	65.79	68.30	-2.51	Peak	

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

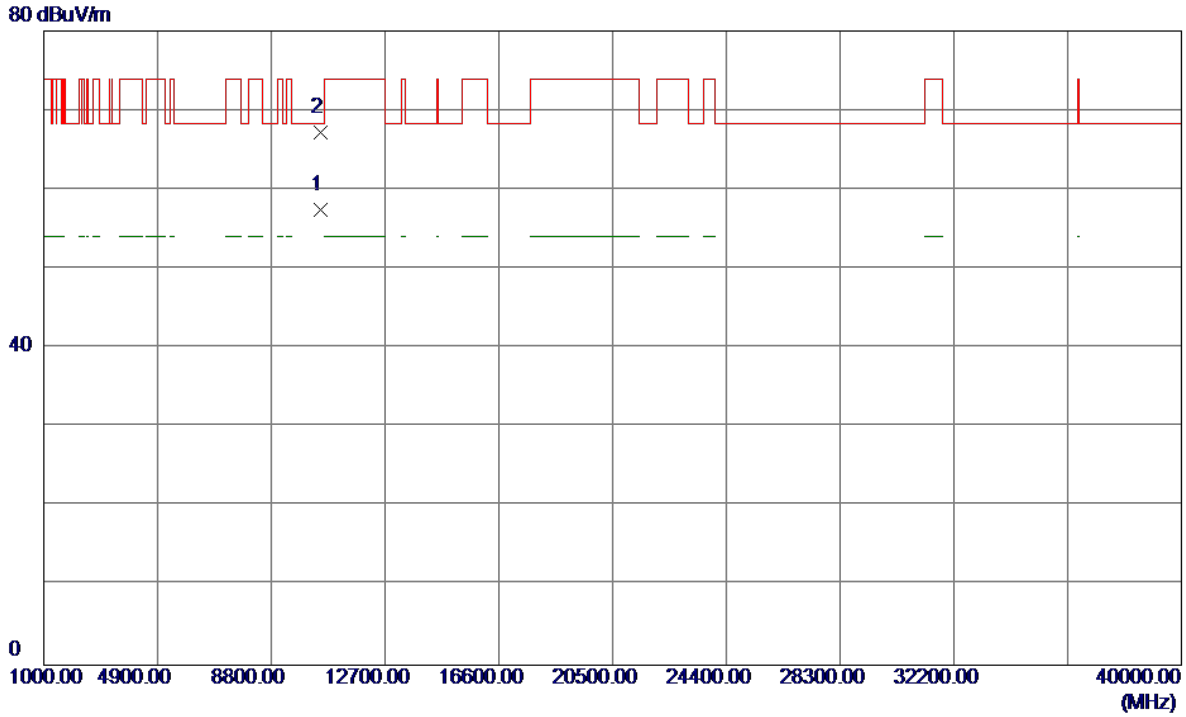
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5244.2000	67.64	41.58	109.22	68.30	40.92	Peak	No Limit
2 *	5246.6000	57.25	41.59	98.84	54.00	44.84	AVG	No Limit

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

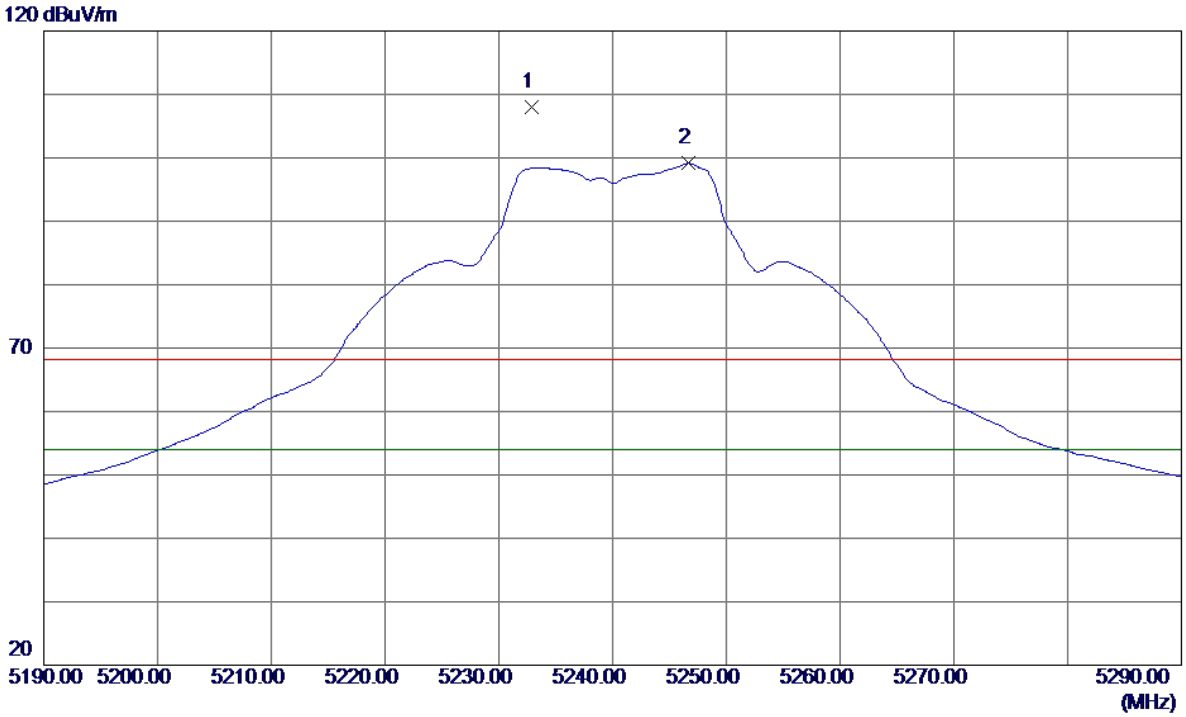
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.8800	40.75	16.65	57.40	999.00	-941.60	AVG	
2 *	10489.4200	50.45	16.68	67.13	68.30	-1.17	Peak	

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

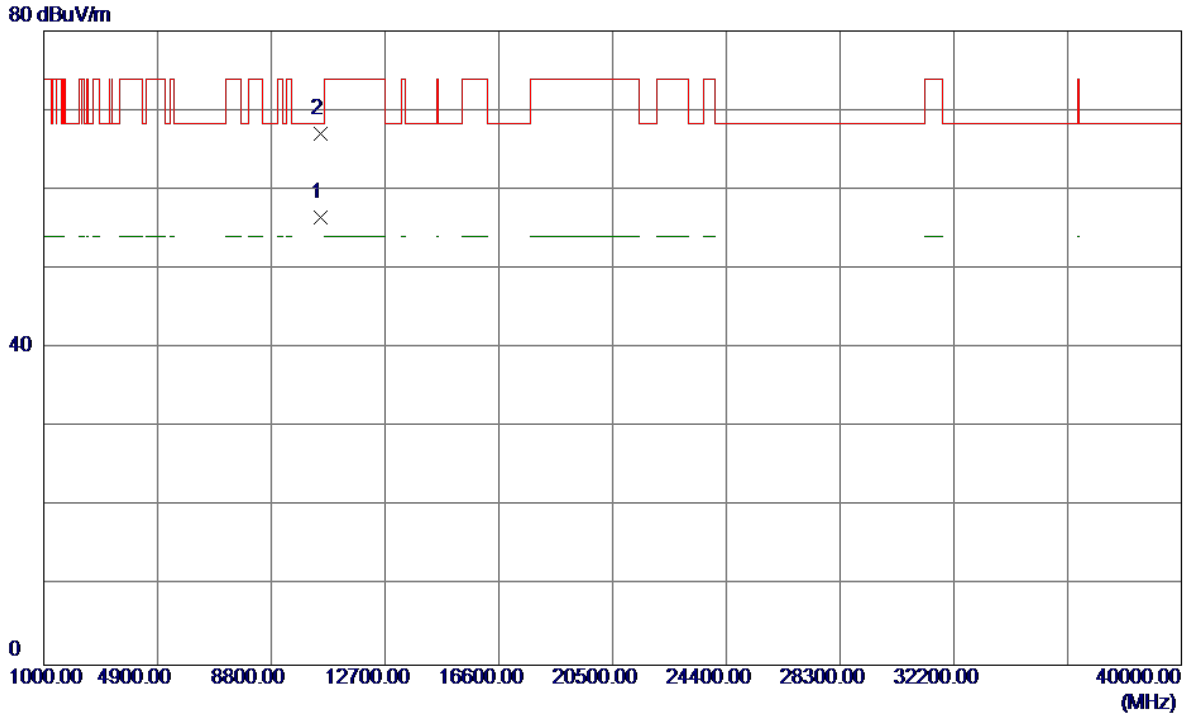
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5232.9000	66.52	41.52	108.04	68.30	39.74	Peak	No Limit
2 *	5246.7000	57.54	41.59	99.13	54.00	45.13	AVG	No Limit

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

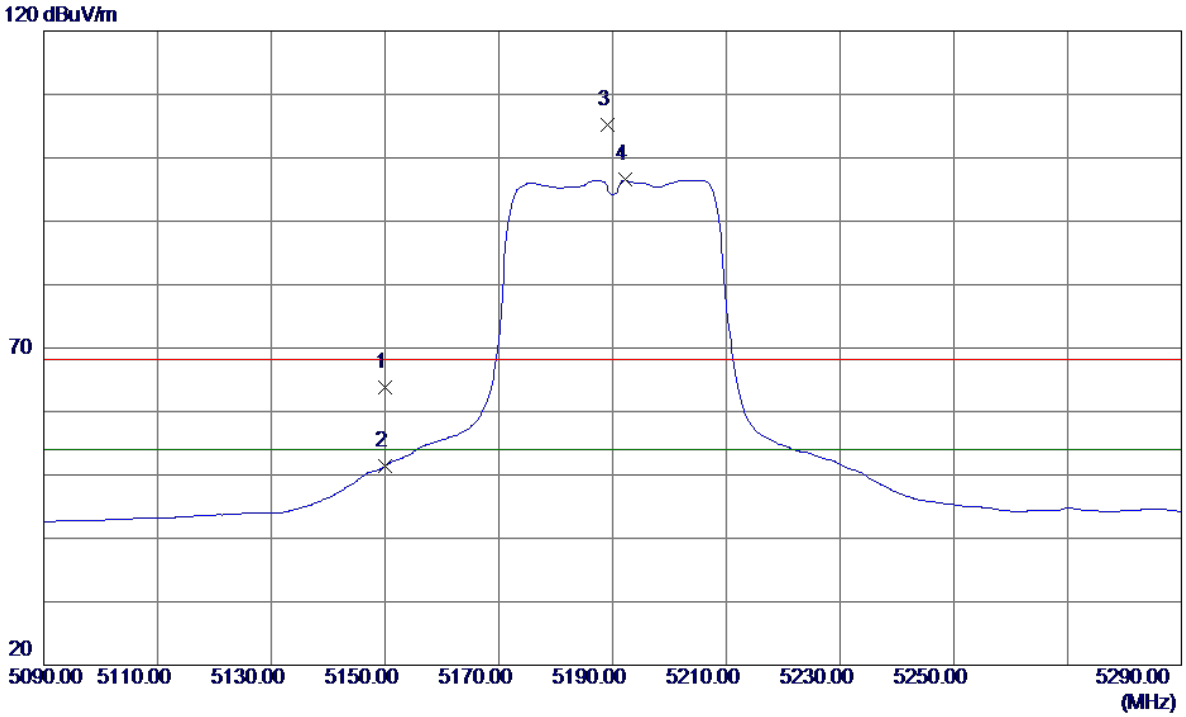
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.7500	39.76	16.65	56.41	999.00	-942.59	AVG	
2 *	10489.6000	50.31	16.68	66.99	68.30	-1.31	Peak	

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

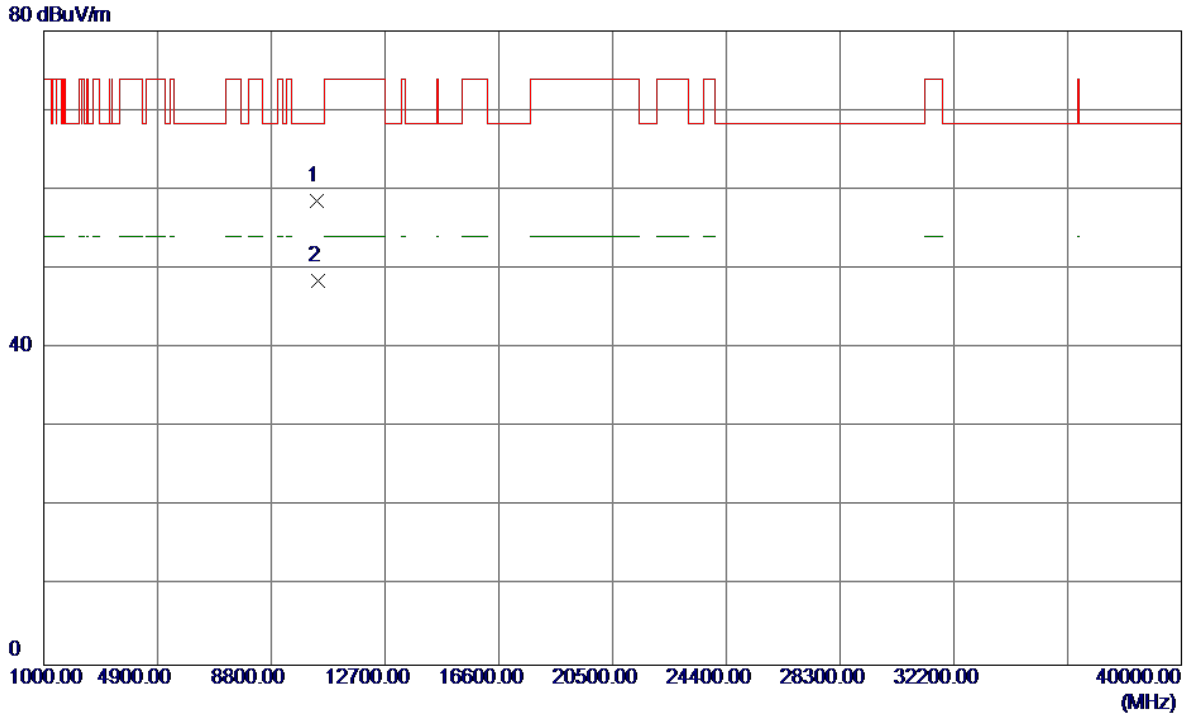
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.77	41.10	63.87	68.30	-4.43	Peak	
2	5150.0000	10.35	41.10	51.45	54.00	-2.55	AVG	
3	5189.2000	63.88	41.30	105.18	68.30	36.88	Peak	No Limit
4 *	5192.2000	55.19	41.32	96.51	54.00	42.51	AVG	No Limit

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

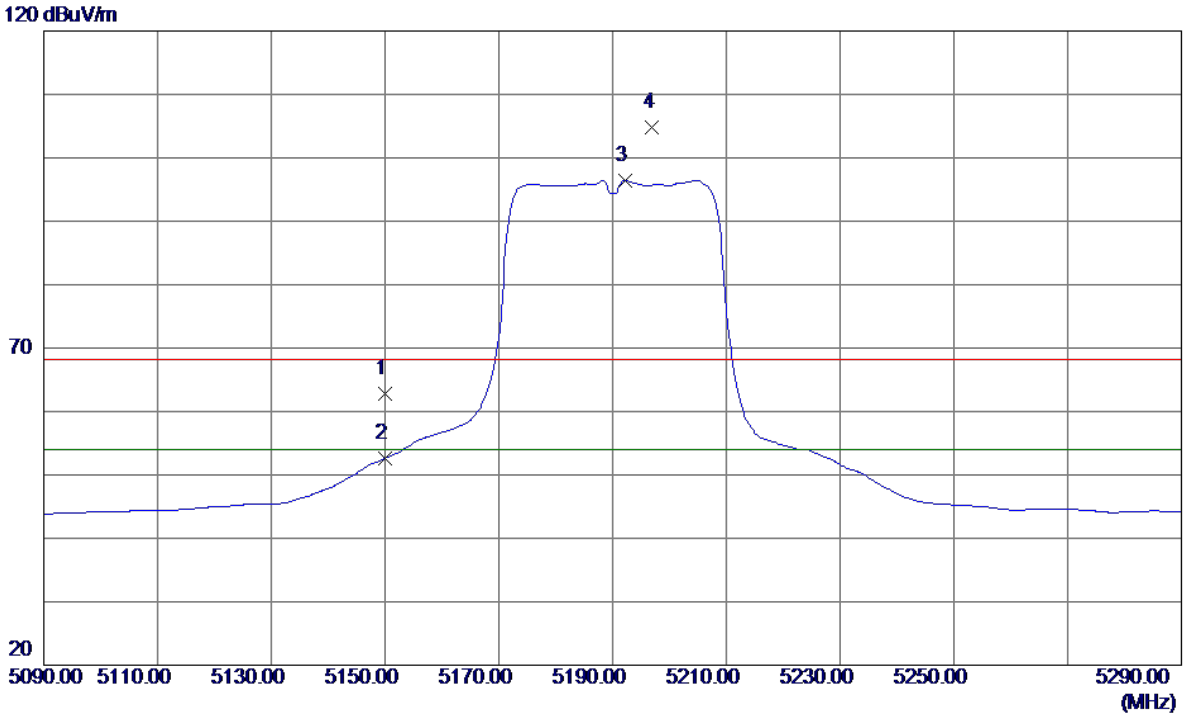
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.6200	42.16	16.39	58.55	68.30	-9.75	Peak	
2	10383.0000	32.09	16.39	48.48	999.00	-950.52	AVG	

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

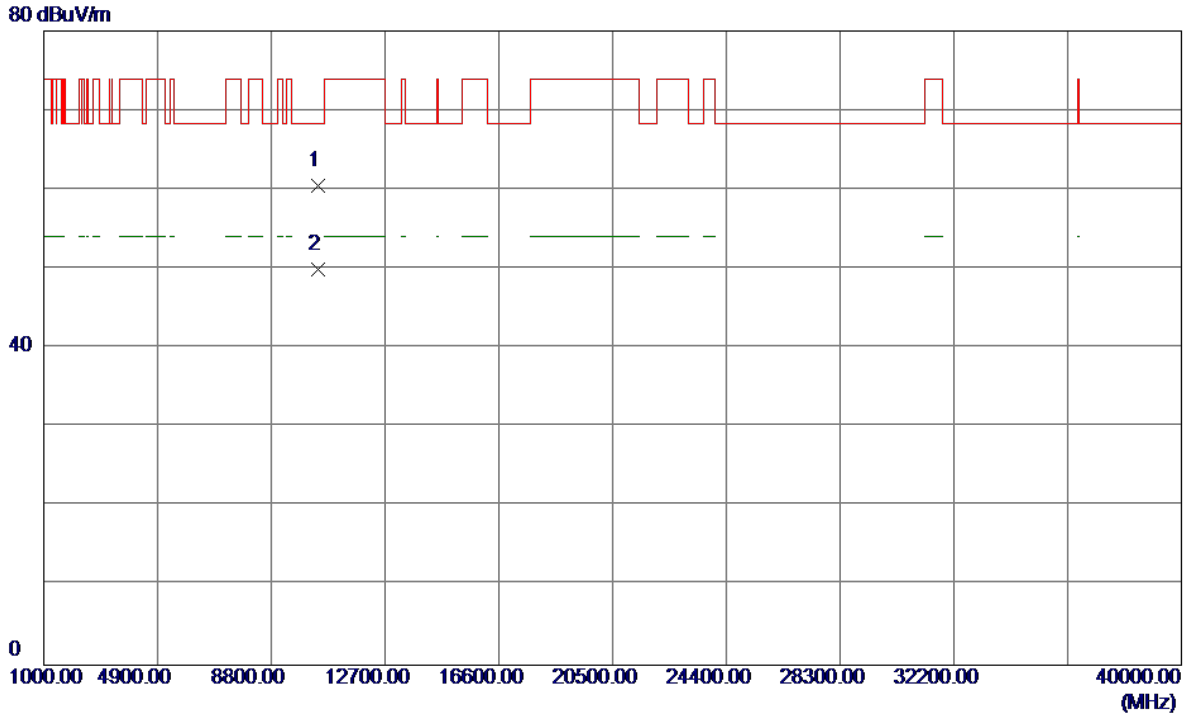
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	21.71	41.10	62.81	68.30	-5.49	Peak	
2	5150.0000	11.57	41.10	52.67	54.00	-1.33	AVG	
3 *	5192.2000	55.06	41.32	96.38	54.00	42.38	AVG	No Limit
4	5197.0000	63.52	41.34	104.86	68.30	36.56	Peak	No Limit

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

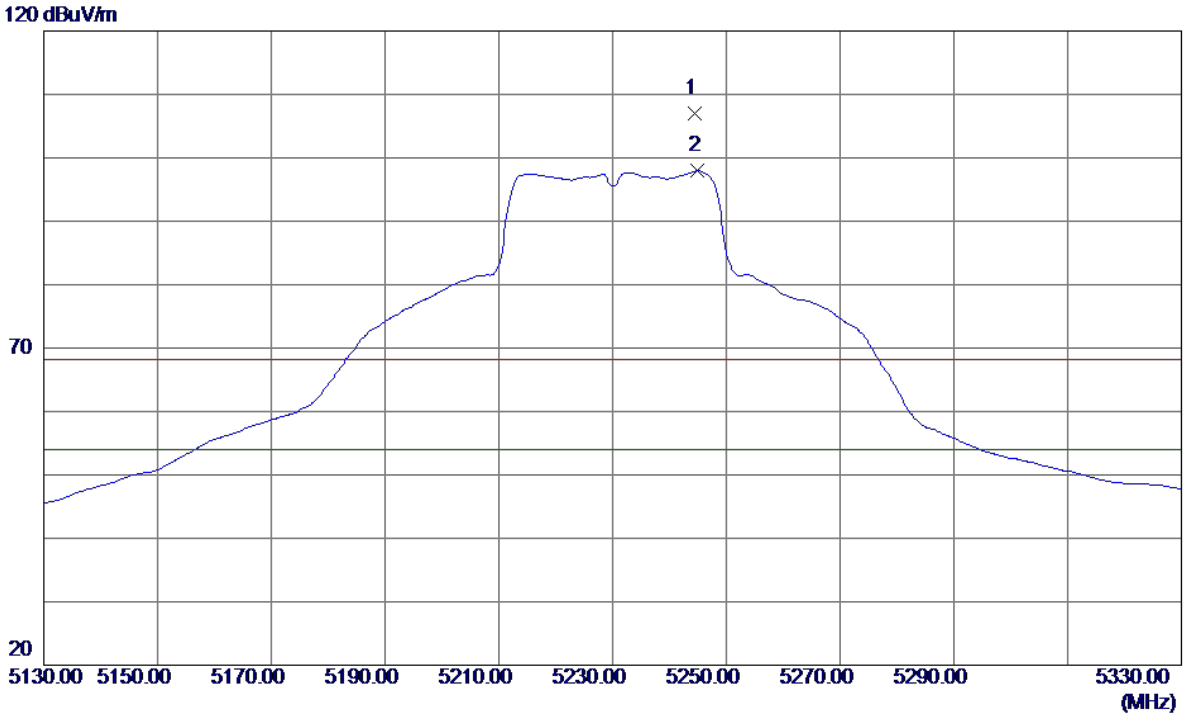
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10383.5000	44.09	16.39	60.48	68.30	-7.82	Peak	
2	10387.3000	33.54	16.40	49.94	999.00	-949.06	AVG	

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

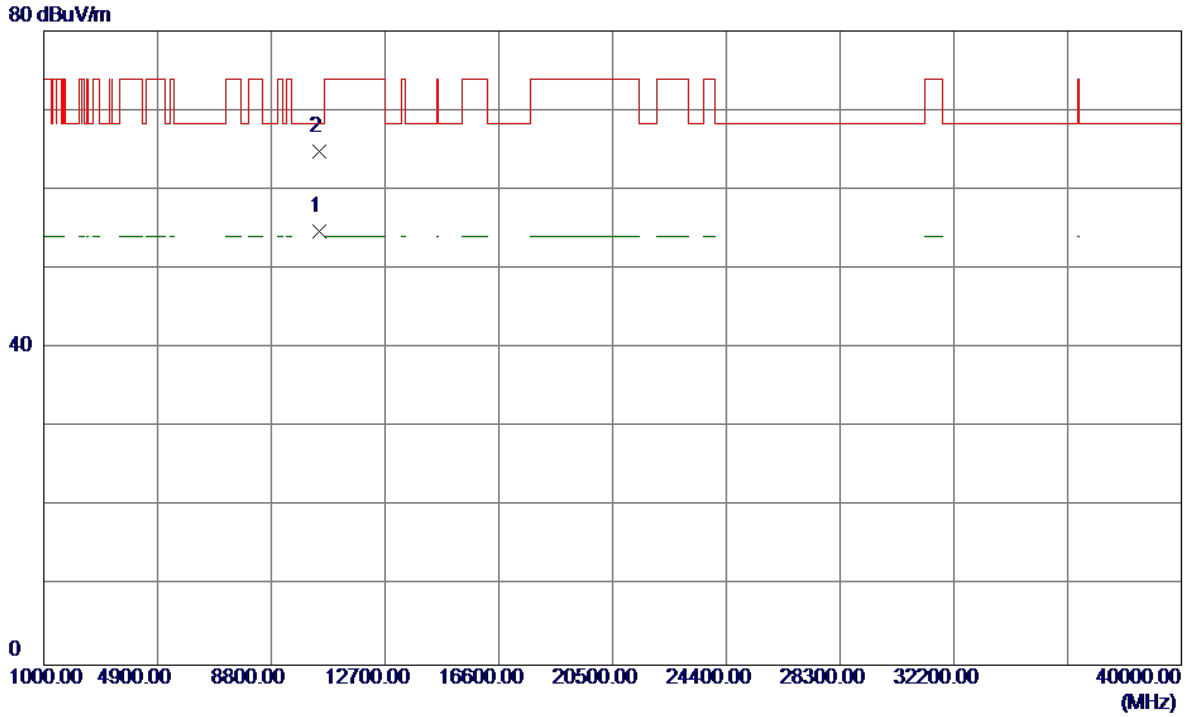
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5244.4000	65.51	41.58	107.09	68.30	38.79	Peak	No Limit
2 *	5245.0000	56.39	41.58	97.97	54.00	43.97	AVG	No Limit

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

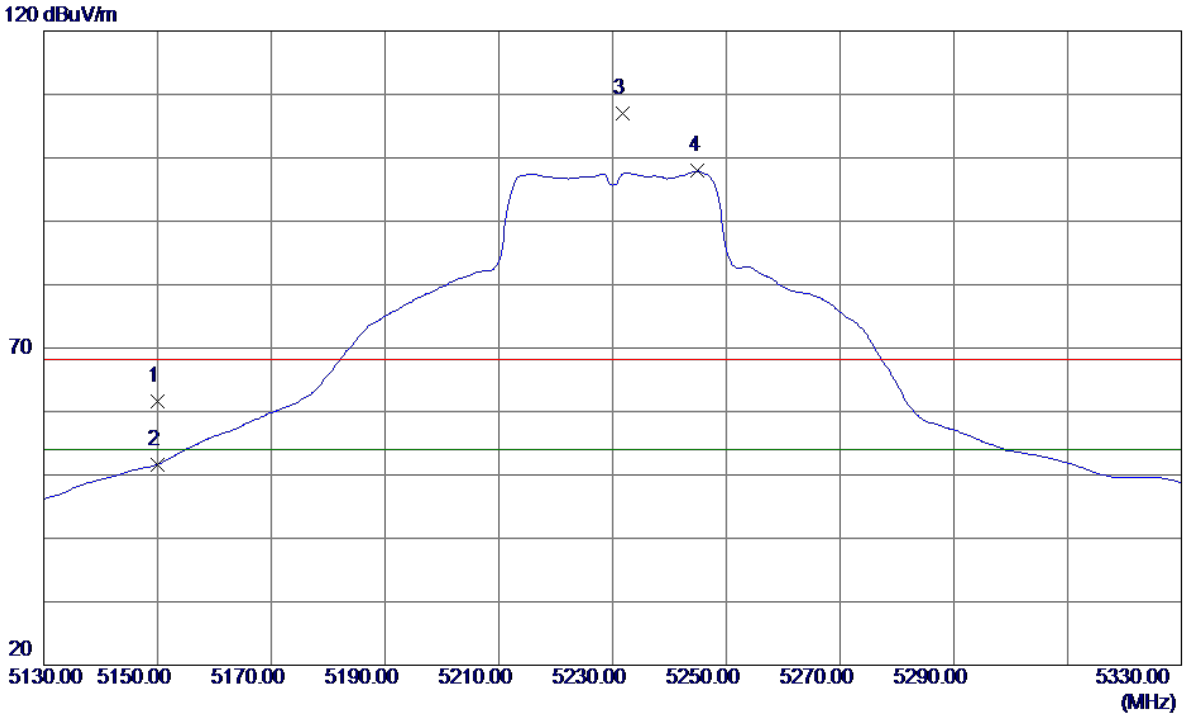
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10462.8500	38.06	16.61	54.67	999.00	-944.33	AVG	
2 *	10466.8500	48.23	16.62	64.85	68.30	-3.45	Peak	

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

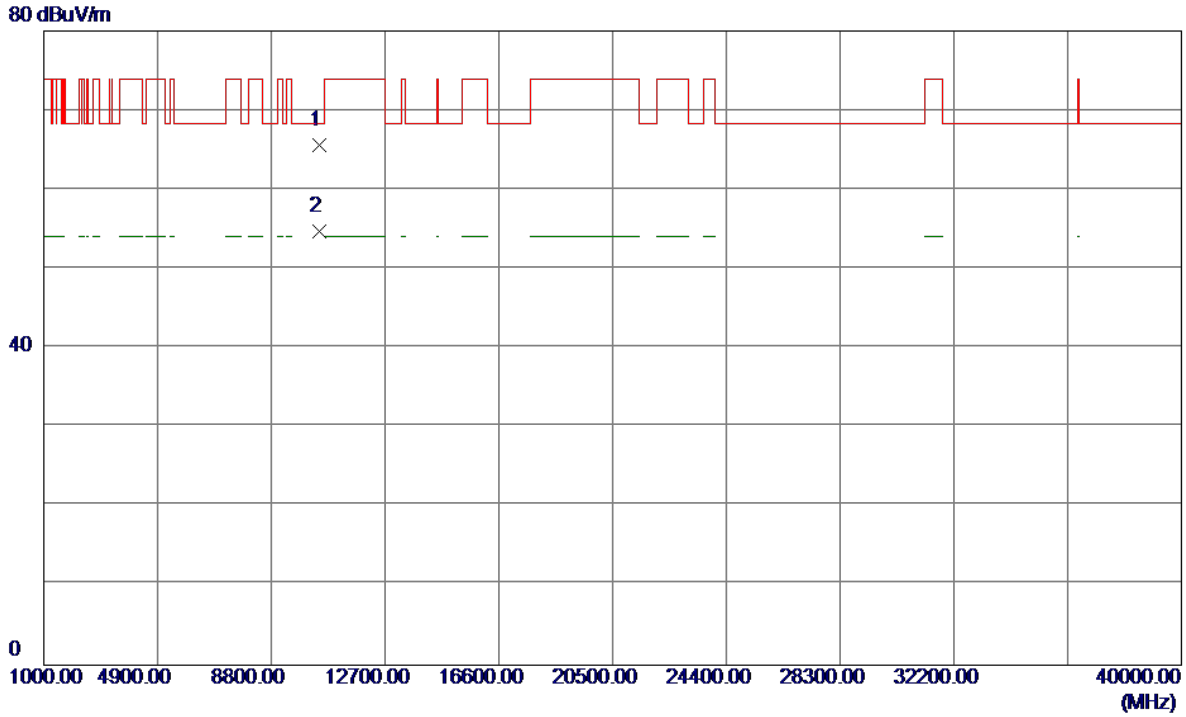
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.59	41.10	61.69	68.30	-6.61	Peak	
2	5150.0000	10.56	41.10	51.66	54.00	-2.34	AVG	
3	5231.8000	65.55	41.52	107.07	68.30	38.77	Peak	No Limit
4 *	5245.0000	56.33	41.58	97.91	54.00	43.91	AVG	No Limit

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

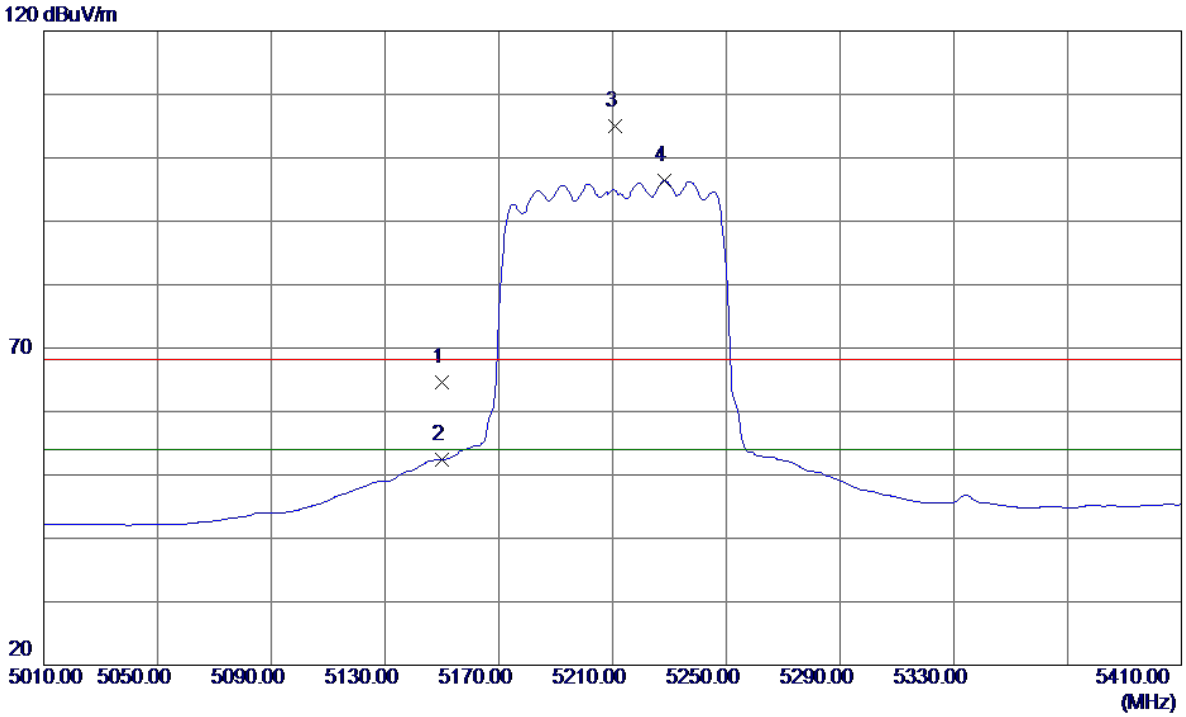
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10462.8500	48.94	16.61	65.55	68.30	-2.75	Peak	
2	10462.9500	38.08	16.61	54.69	999.00	-944.31	AVG	

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

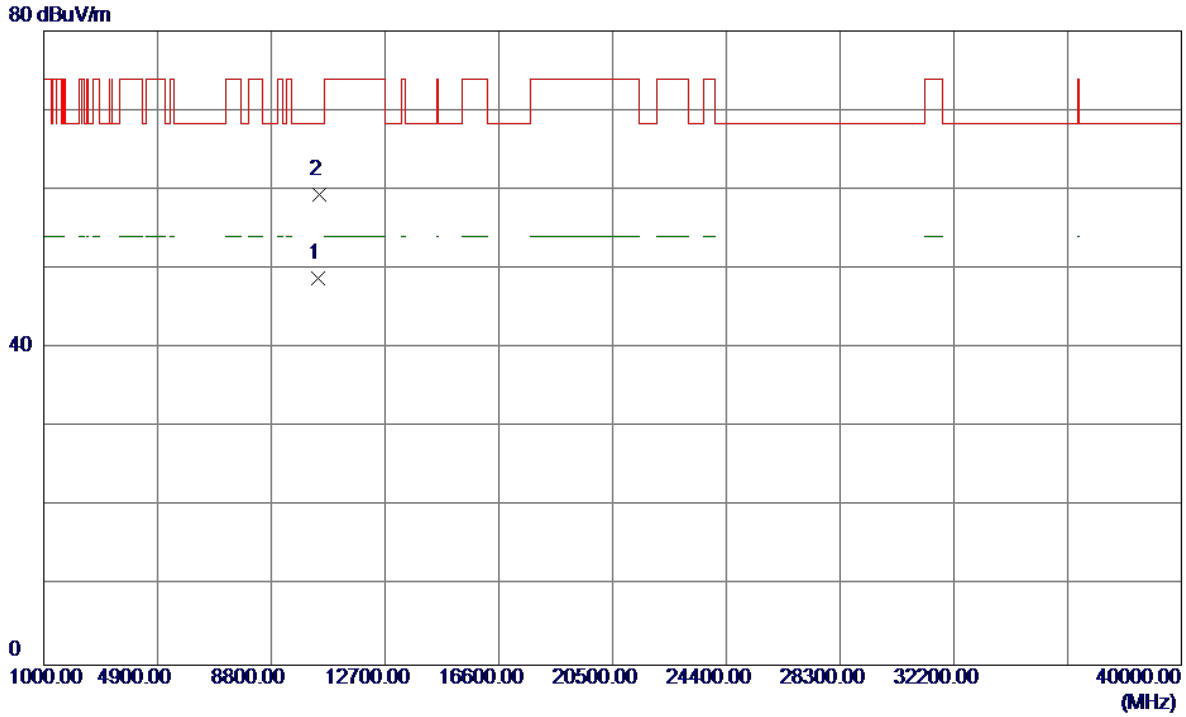
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.57	41.10	64.67	68.30	-3.63	Peak	
2	5150.0000	11.31	41.10	52.41	54.00	-1.59	AVG	
3	5210.8000	63.56	41.41	104.97	68.30	36.67	Peak	No Limit
4 *	5228.4000	54.89	41.50	96.39	54.00	42.39	AVG	No Limit

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

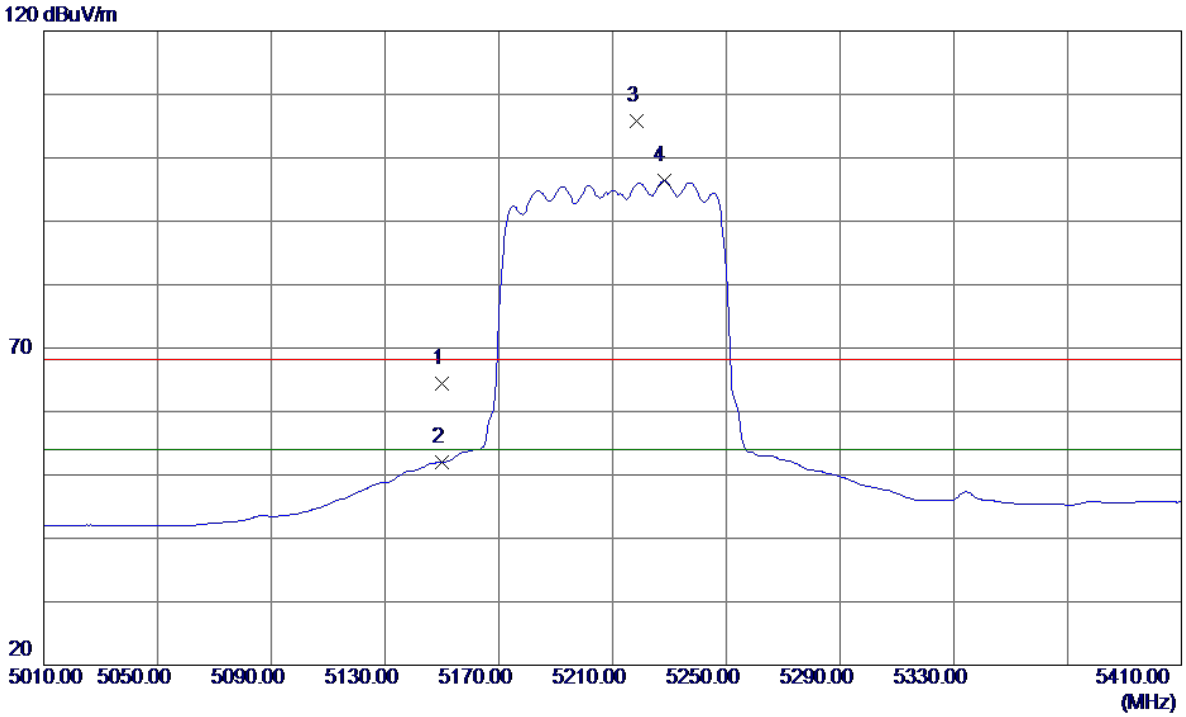
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10420.4500	32.38	16.49	48.87	999.00	-950.13	AVG	
2 *	10428.1000	42.81	16.51	59.32	68.30	-8.98	Peak	

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

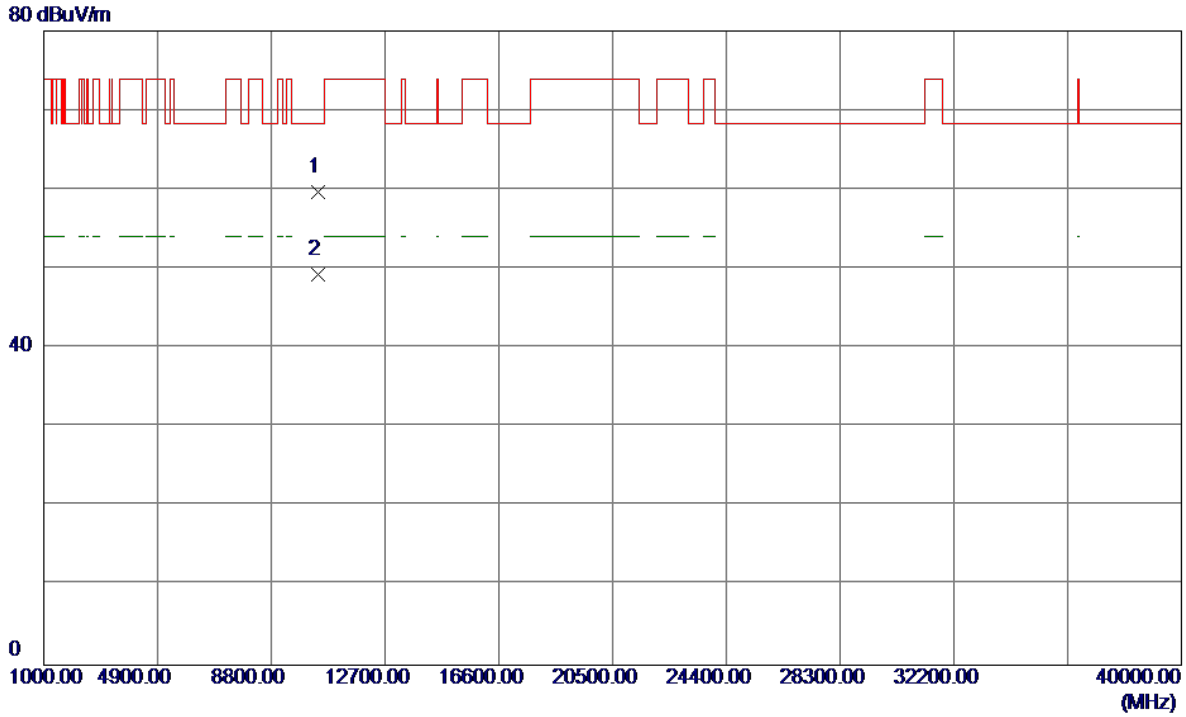
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.26	41.10	64.36	68.30	-3.94	Peak	
2	5150.0000	10.85	41.10	51.95	54.00	-2.05	AVG	
3	5218.4000	64.34	41.45	105.79	68.30	37.49	Peak	No Limit
4 *	5228.0000	54.95	41.50	96.45	54.00	42.45	AVG	No Limit

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

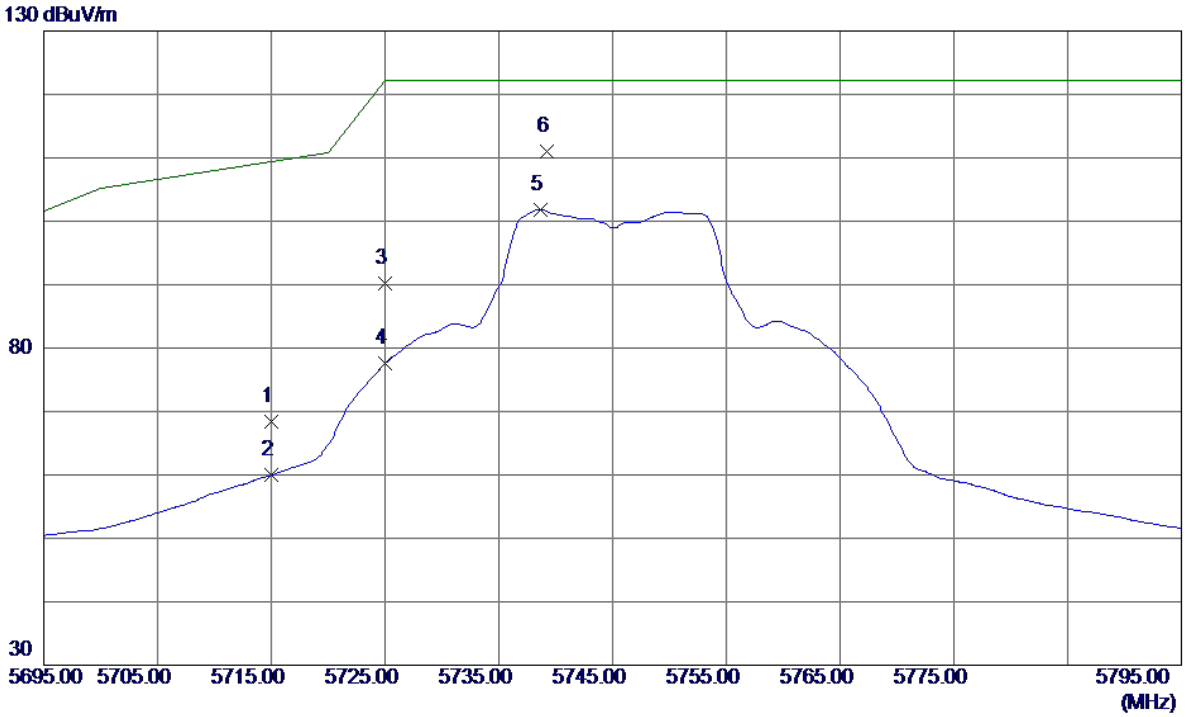
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.4000	43.21	16.49	59.70	68.30	-8.60	Peak	
2	10420.4000	32.71	16.49	49.20	999.00	-949.80	AVG	

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

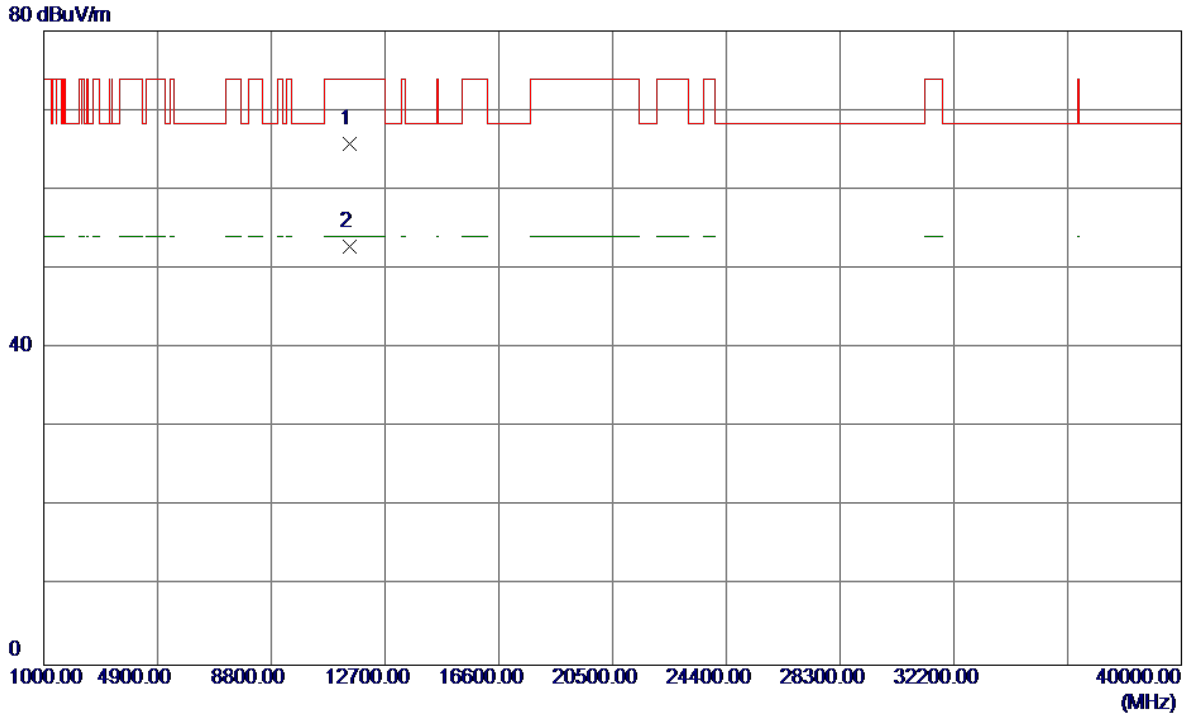
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	24.94	43.53	68.47	109.40	-40.93	Peak	
2	5715.0000	16.43	43.53	59.96	109.40	-49.44	AVG	
3	5725.0000	46.59	43.56	90.15	122.20	-32.05	Peak	
4	5725.0000	34.01	43.56	77.57	122.20	-44.63	AVG	
5	5738.7000	58.24	43.60	101.84	122.20	-20.36	AVG	
6 *	5739.2000	67.43	43.60	111.03	122.20	-11.17	Peak	

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

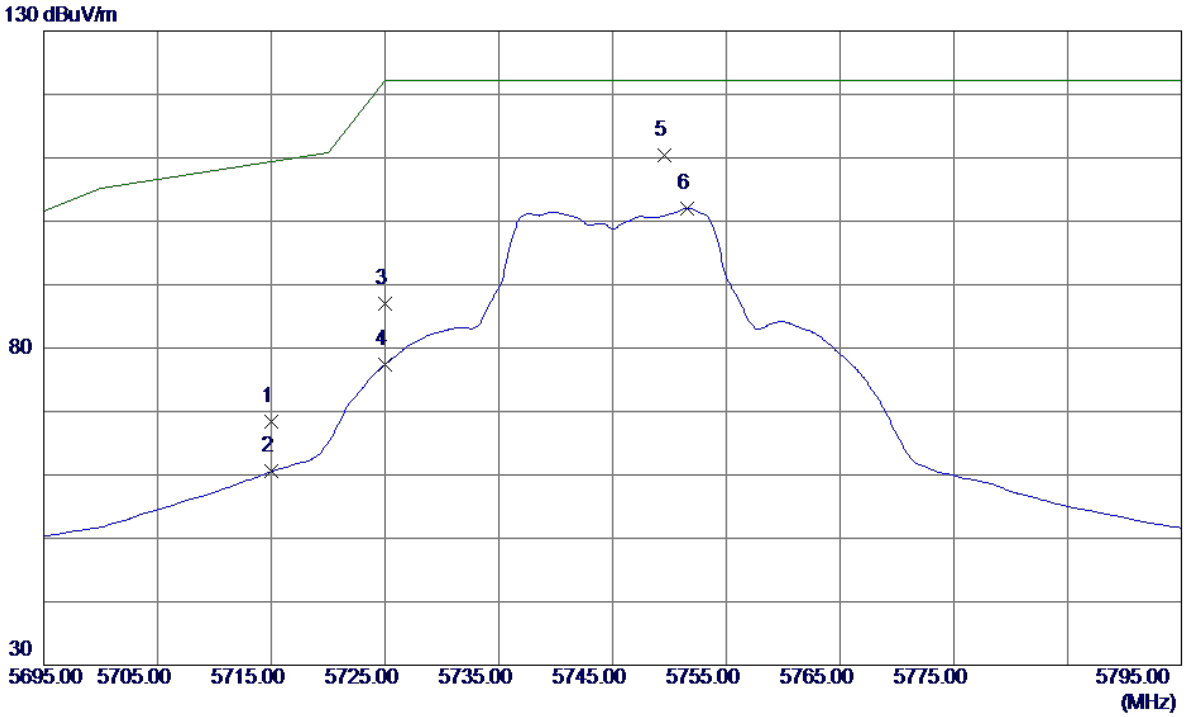
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11489.3000	47.97	17.75	65.72	74.00	-8.28	Peak	
2 *	11489.8600	35.11	17.75	52.86	54.00	-1.14	AVG	

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

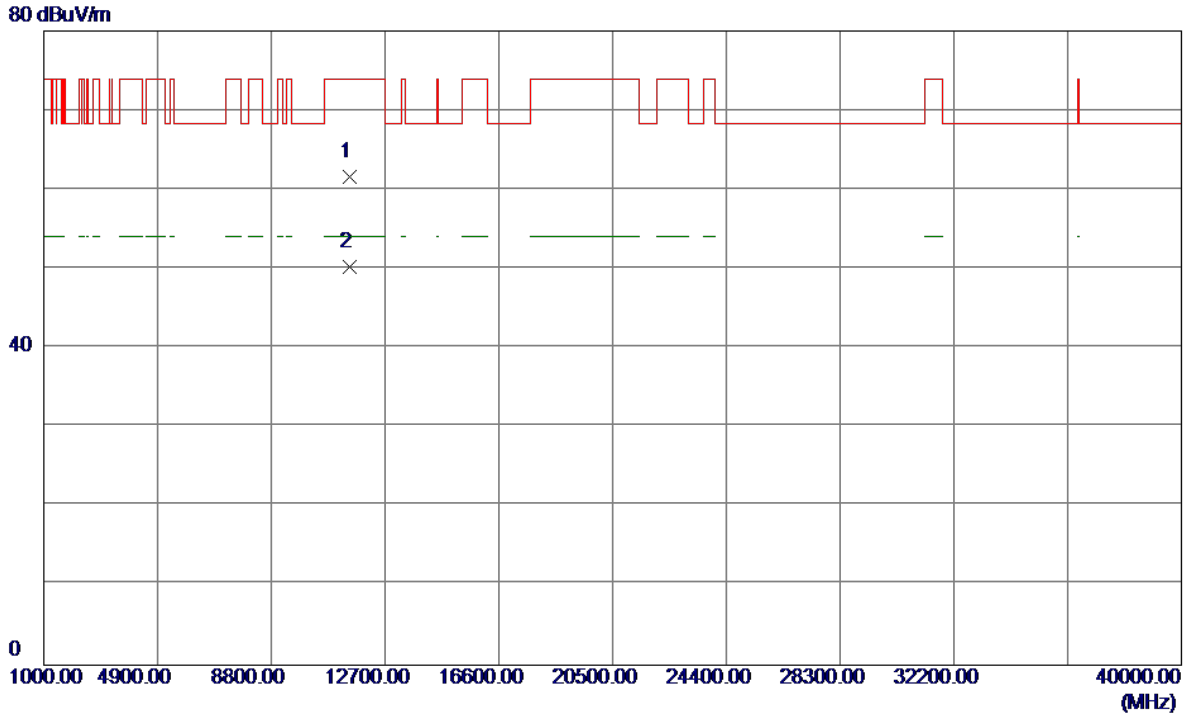
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	24.86	43.53	68.39	109.40	-41.01	Peak	
2	5715.0000	17.00	43.53	60.53	109.40	-48.87	AVG	
3	5725.0000	43.40	43.56	86.96	122.20	-35.24	Peak	
4	5725.0000	33.89	43.56	77.45	122.20	-44.75	AVG	
5 *	5749.6000	66.70	43.63	110.33	122.20	-11.87	Peak	
6	5751.6000	58.41	43.64	102.05	122.20	-20.15	AVG	

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

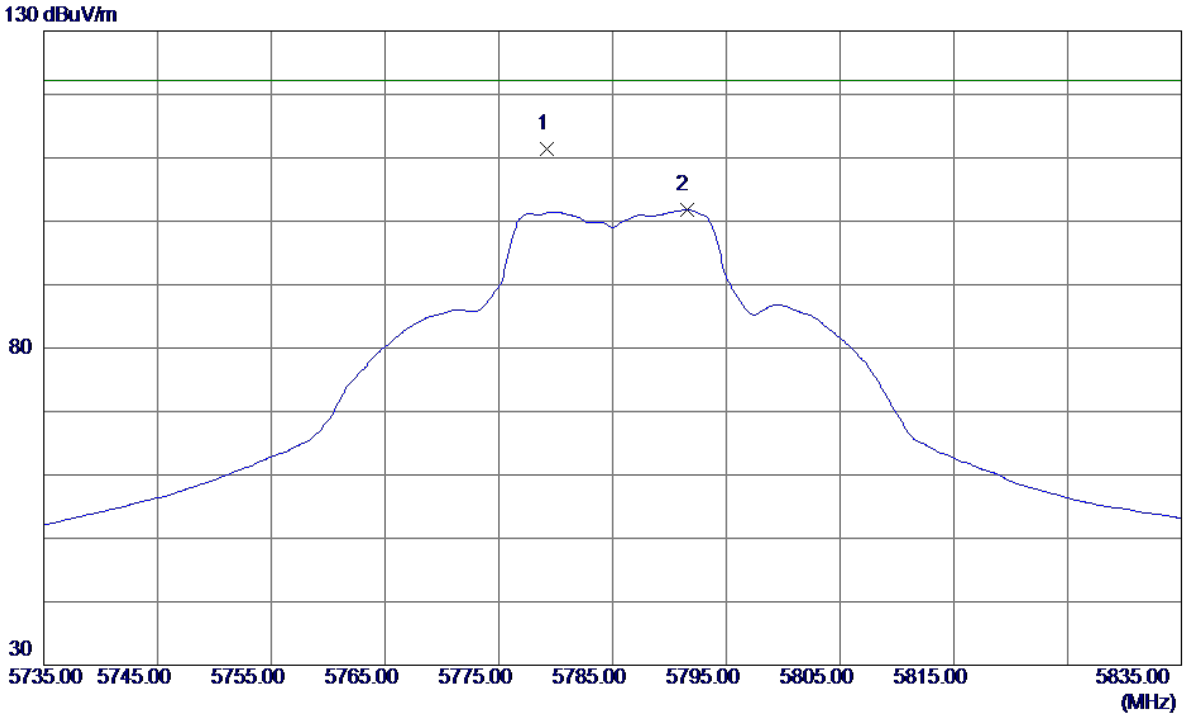
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11488.0000	43.85	17.74	61.59	74.00	-12.41	Peak	
2 *	11489.8800	32.46	17.75	50.21	54.00	-3.79	AVG	

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

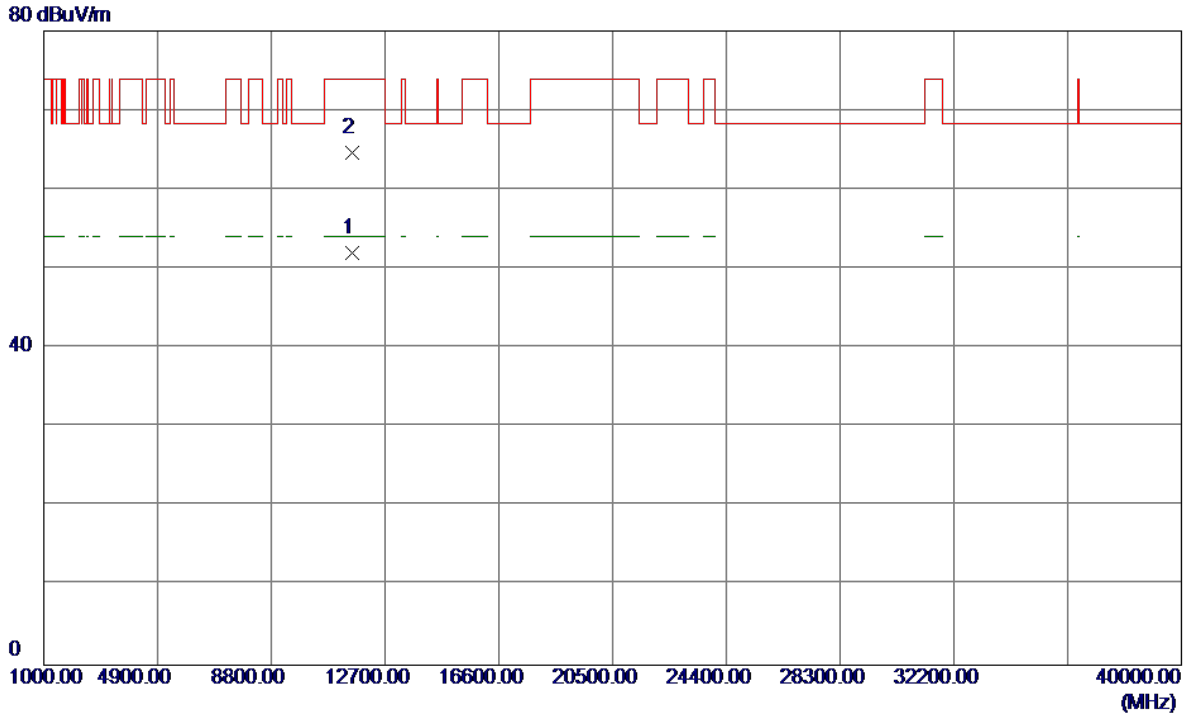
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5779.2000	67.67	43.72	111.39	122.20	-10.81	Peak	
2	5791.5000	58.05	43.76	101.81	122.20	-20.39	AVG	

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

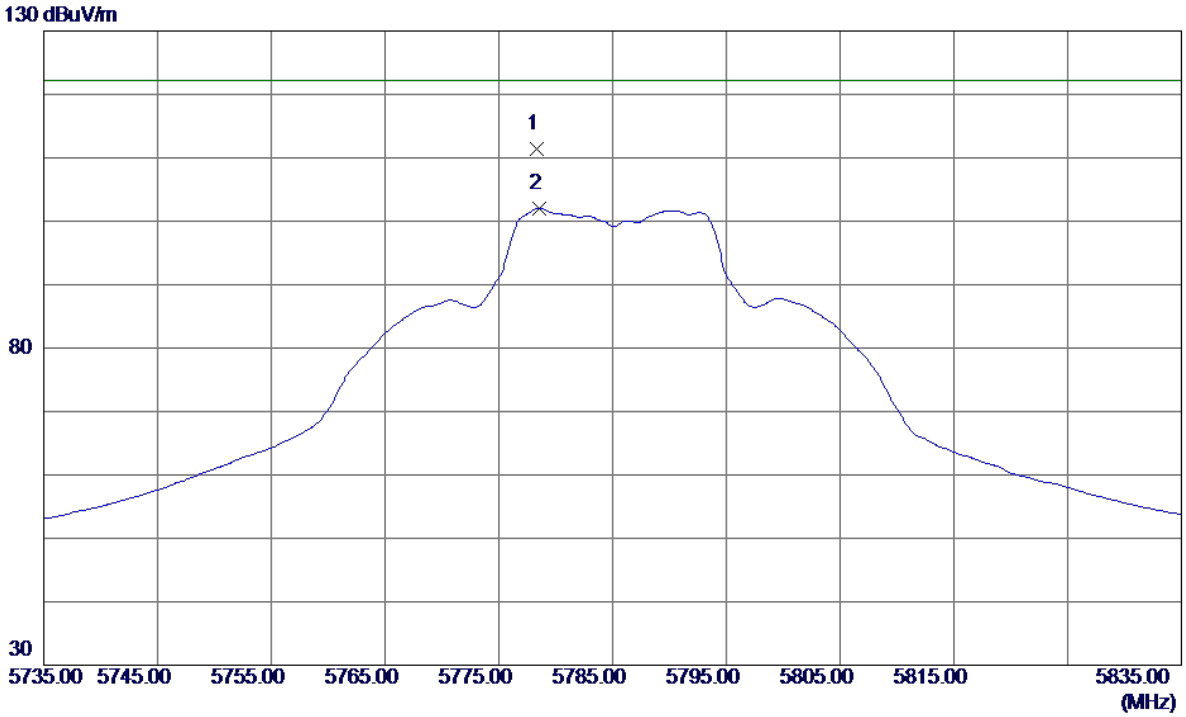
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11569.9000	34.25	17.82	52.07	54.00	-1.93	AVG	
2	11572.7600	46.89	17.82	64.71	74.00	-9.29	Peak	

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

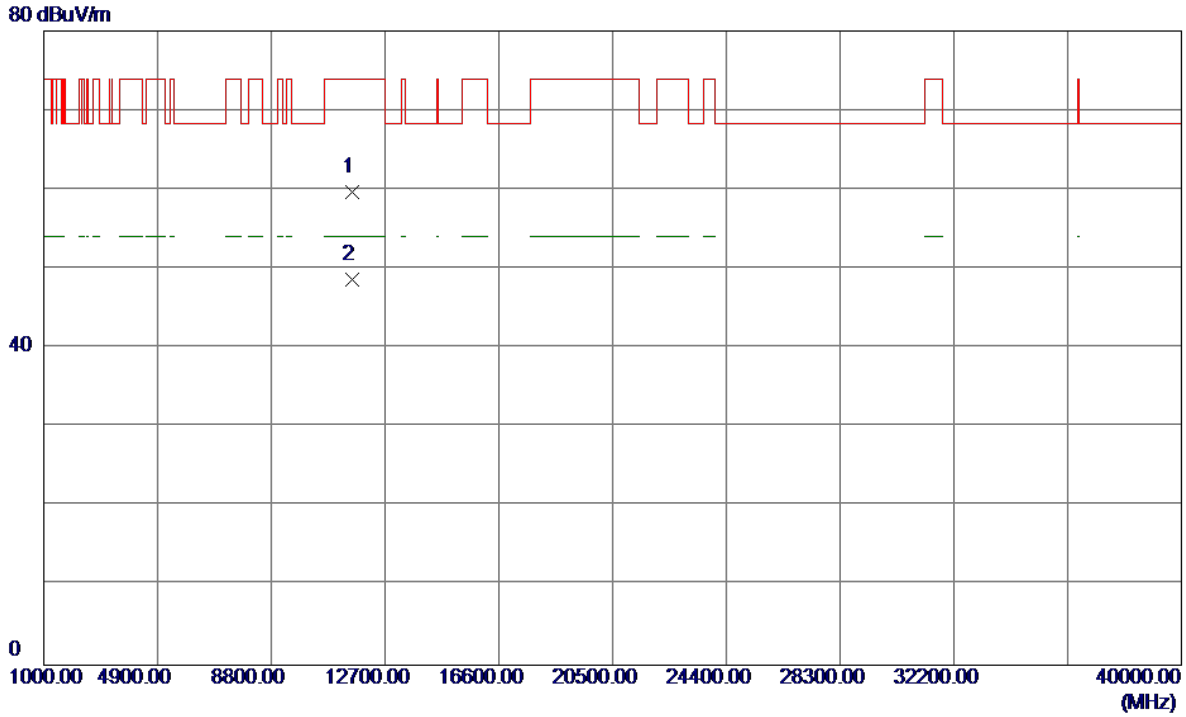
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5778.3000	67.77	43.72	111.49	122.20	-10.71	Peak	
2	5778.6000	58.36	43.72	102.08	122.20	-20.12	AVG	

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

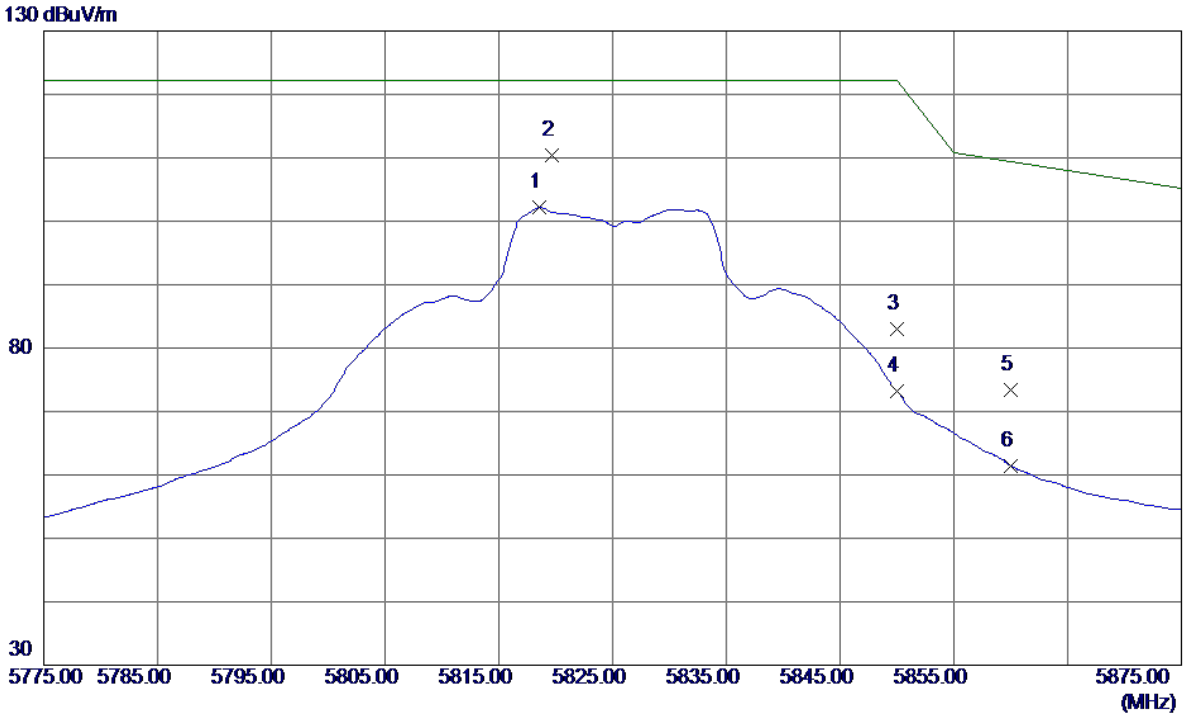
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11563.6000	41.85	17.82	59.67	74.00	-14.33	Peak	
2 *	11569.6200	30.78	17.82	48.60	54.00	-5.40	AVG	

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

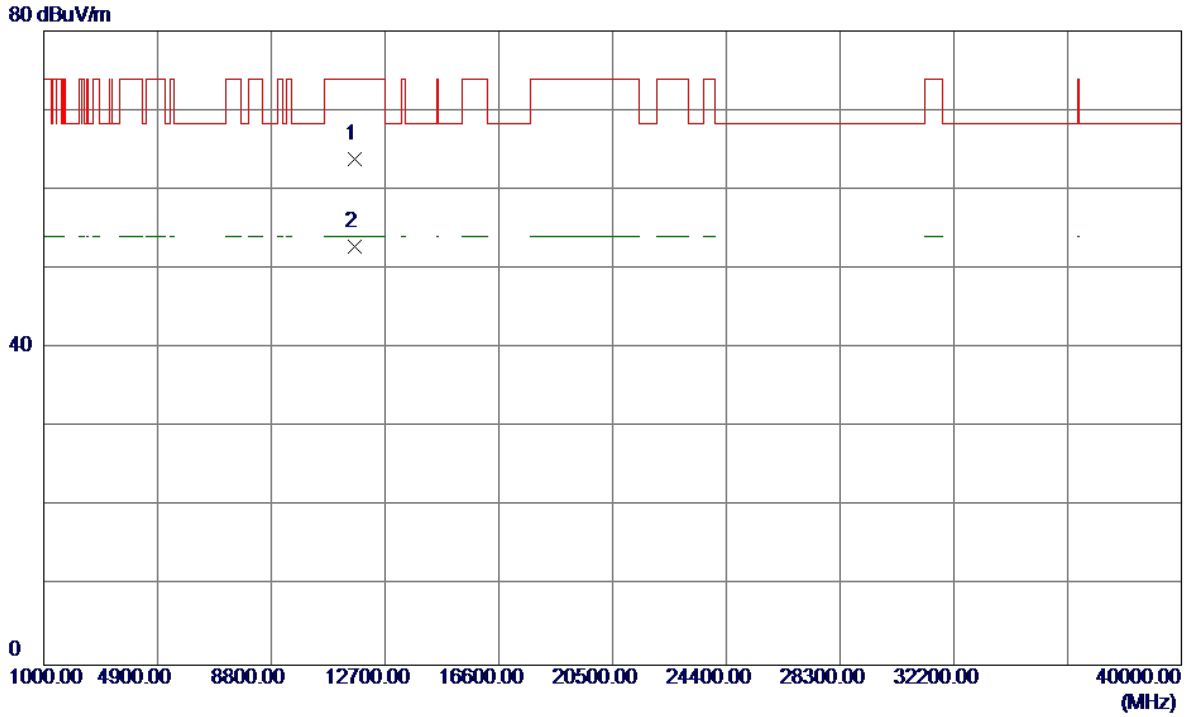
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5818.6000	58.32	43.84	102.16	122.20	-20.04	AVG	
2 *	5819.7000	66.49	43.85	110.34	122.20	-11.86	Peak	
3	5850.0000	38.97	43.94	82.91	122.20	-39.29	Peak	
4	5850.0000	29.22	43.94	73.16	122.20	-49.04	AVG	
5	5860.0000	29.42	43.97	73.39	109.40	-36.01	Peak	
6	5860.0000	17.46	43.97	61.43	109.40	-47.97	AVG	

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

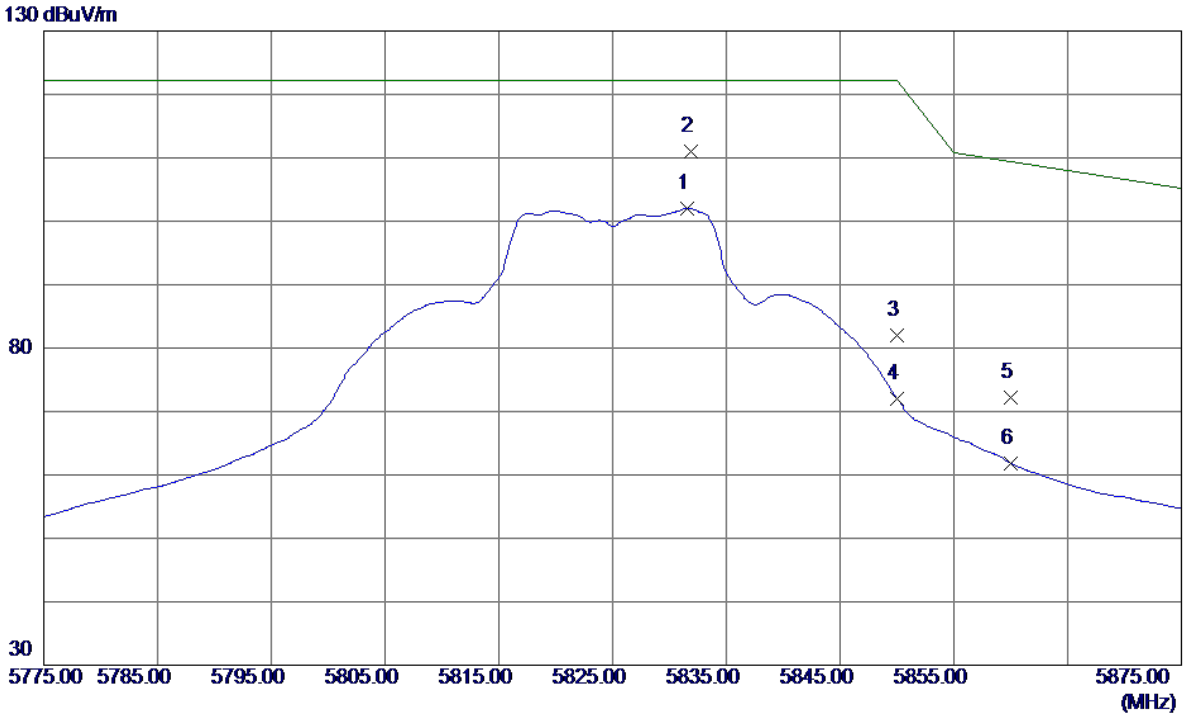
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11649.0400	46.00	17.86	63.86	74.00	-10.14	Peak	
2 *	11649.9200	34.95	17.86	52.81	54.00	-1.19	AVG	

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

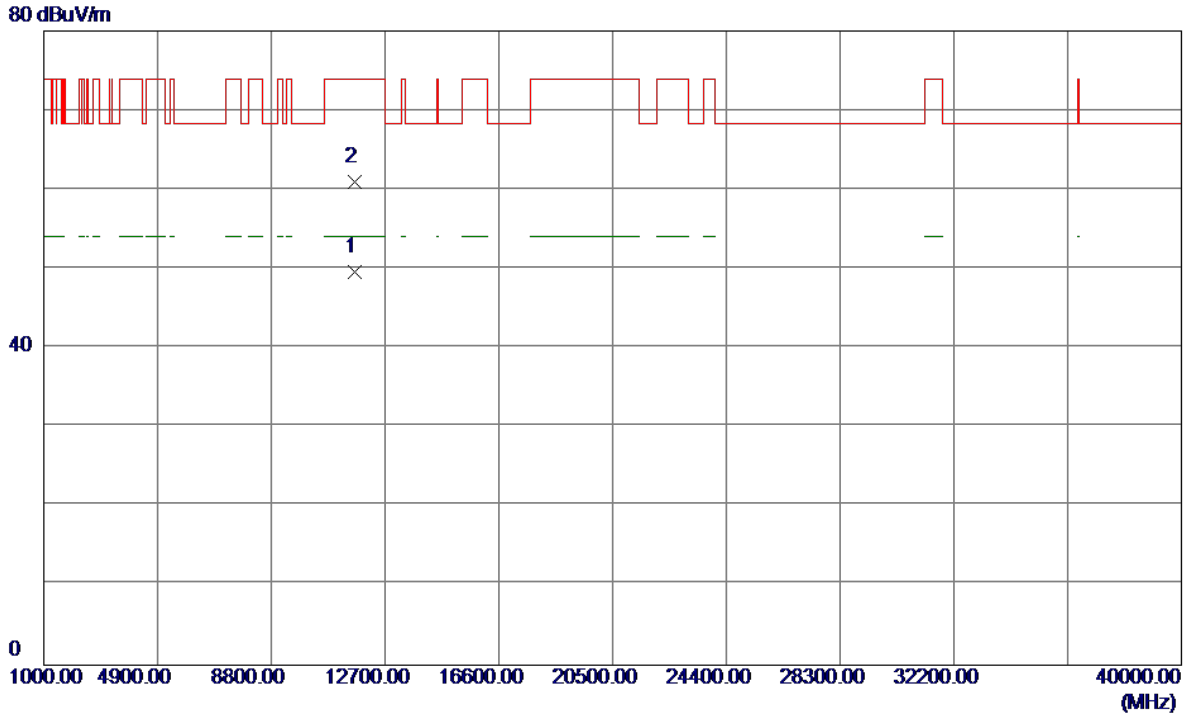
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5831.6000	58.15	43.88	102.03	122.20	-20.17	AVG	
2 *	5831.9000	67.05	43.88	110.93	122.20	-11.27	Peak	
3	5850.0000	38.00	43.94	81.94	122.20	-40.26	Peak	
4	5850.0000	28.11	43.94	72.05	122.20	-50.15	AVG	
5	5860.0000	28.21	43.97	72.18	109.40	-37.22	Peak	
6	5860.0000	17.87	43.97	61.84	109.40	-47.56	AVG	

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

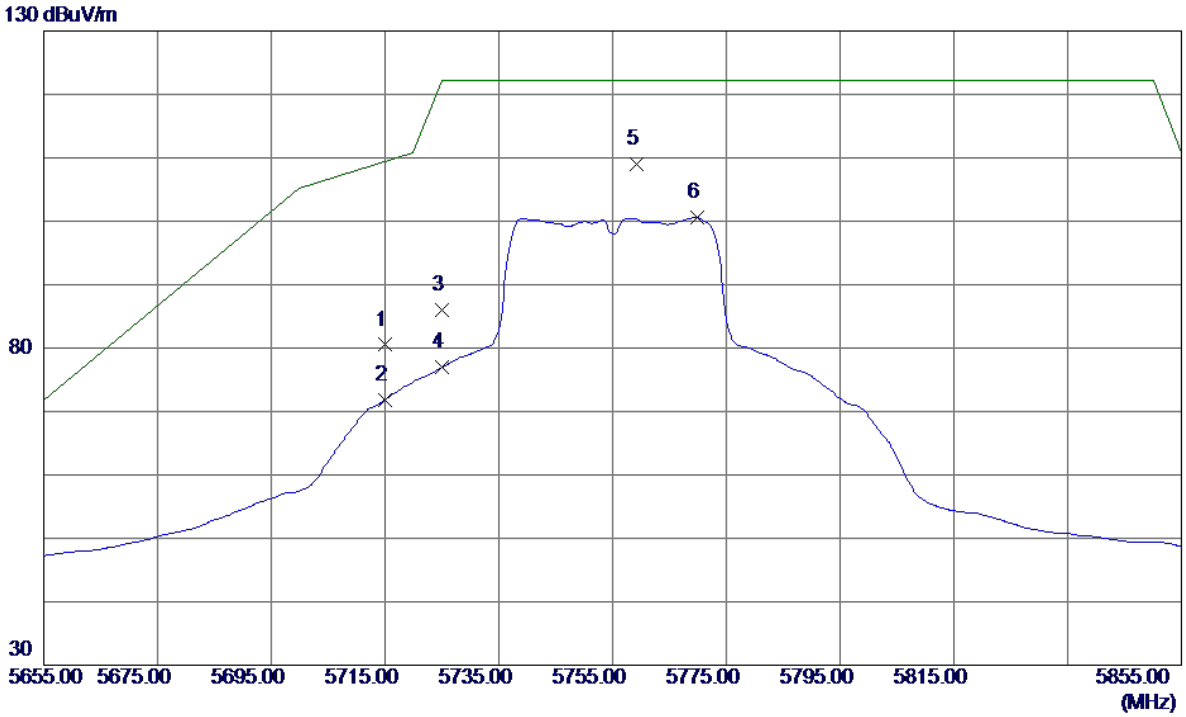
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11649.8400	31.76	17.86	49.62	54.00	-4.38	AVG	
2	11652.8800	43.17	17.86	61.03	74.00	-12.97	Peak	

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

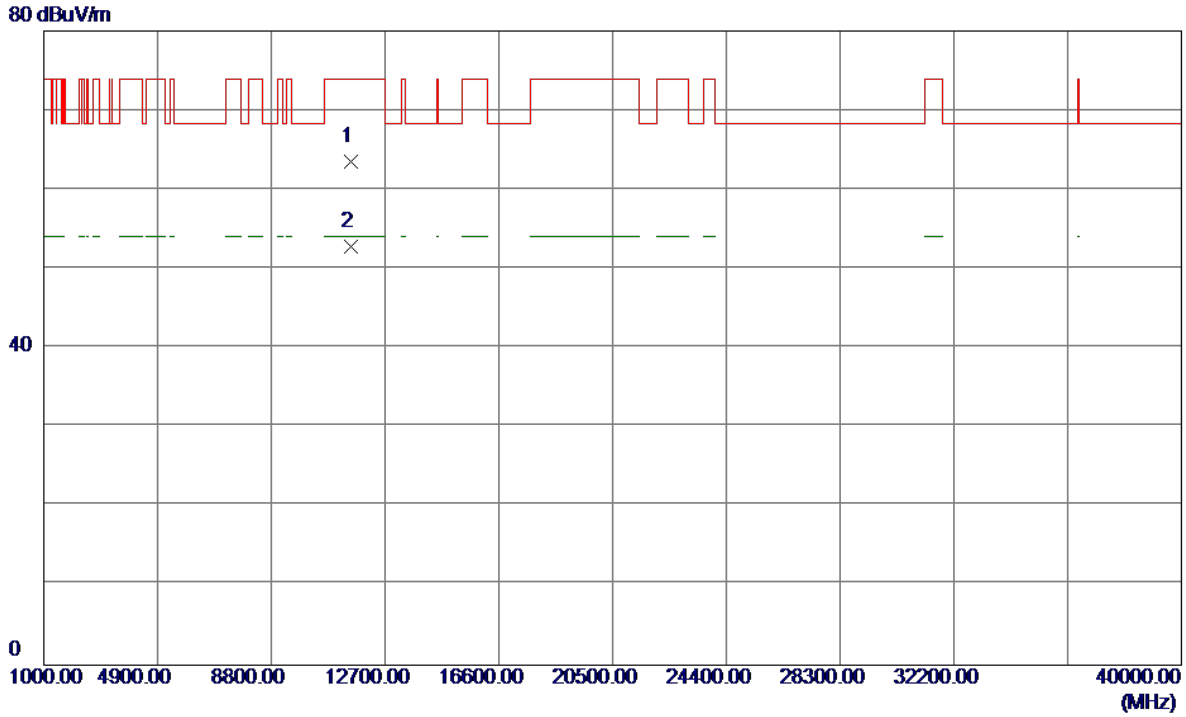
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	36.97	43.53	80.50	109.40	-28.90	Peak	
2	5715.0000	28.36	43.53	71.89	109.40	-37.51	AVG	
3	5725.0000	42.53	43.56	86.09	122.20	-36.11	Peak	
4	5725.0000	33.41	43.56	76.97	122.20	-45.23	AVG	
5 *	5759.2000	65.26	43.66	108.92	122.20	-13.28	Peak	
6	5769.8000	56.89	43.69	100.58	122.20	-21.62	AVG	

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

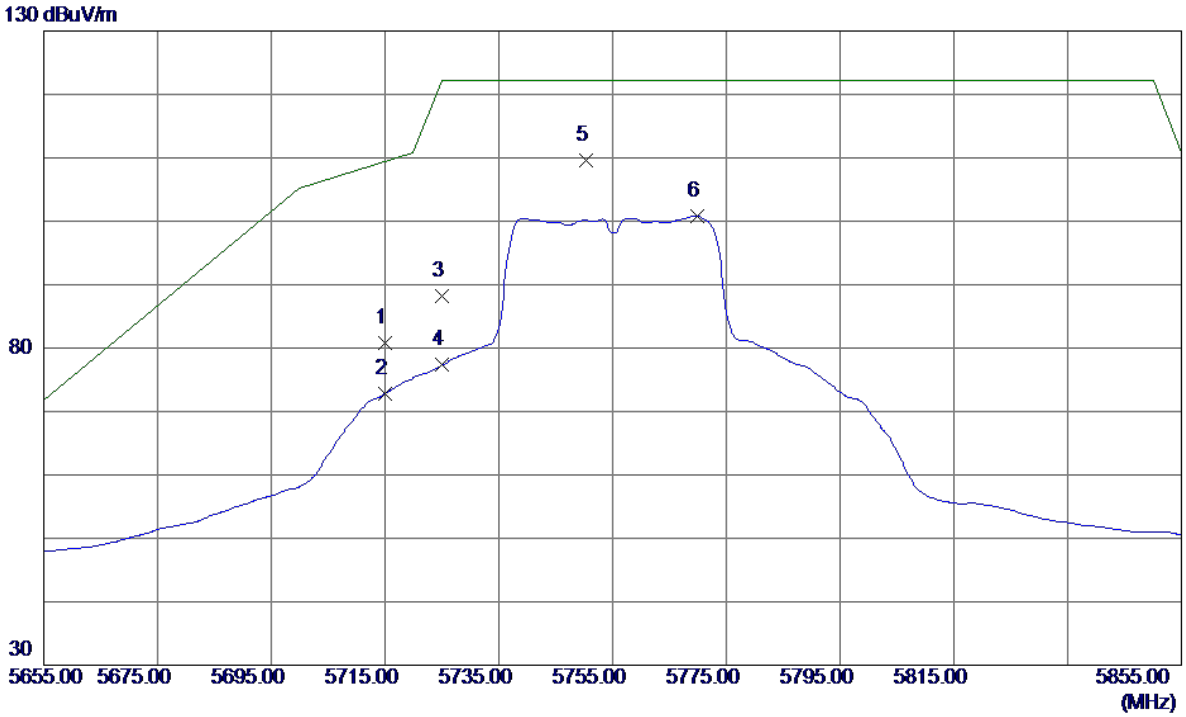
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11509.9000	45.76	17.79	63.55	74.00	-10.45	Peak	
2 *	11510.0000	35.03	17.79	52.82	54.00	-1.18	AVG	

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

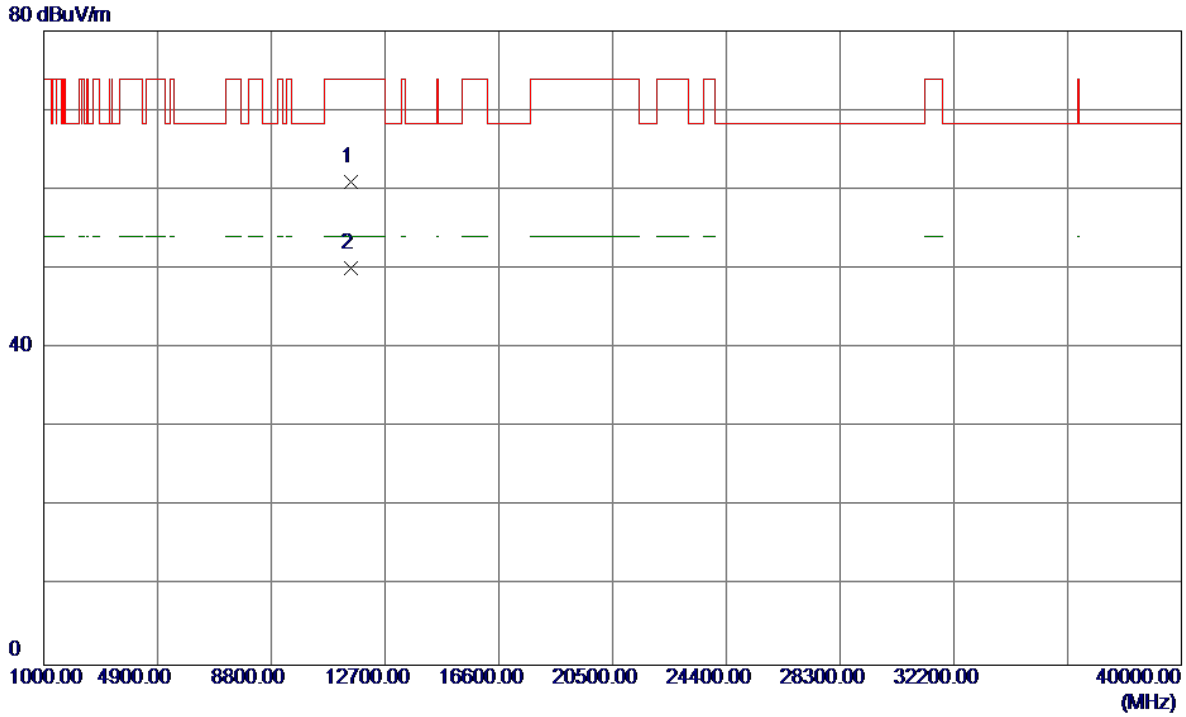
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	37.33	43.53	80.86	109.40	-28.54	Peak	
2	5715.0000	29.33	43.53	72.86	109.40	-36.54	AVG	
3	5725.0000	44.72	43.56	88.28	122.20	-33.92	Peak	
4	5725.0000	33.75	43.56	77.31	122.20	-44.89	AVG	
5 *	5750.4000	65.94	43.64	109.58	122.20	-12.62	Peak	
6	5769.8000	57.12	43.69	100.81	122.20	-21.39	AVG	

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

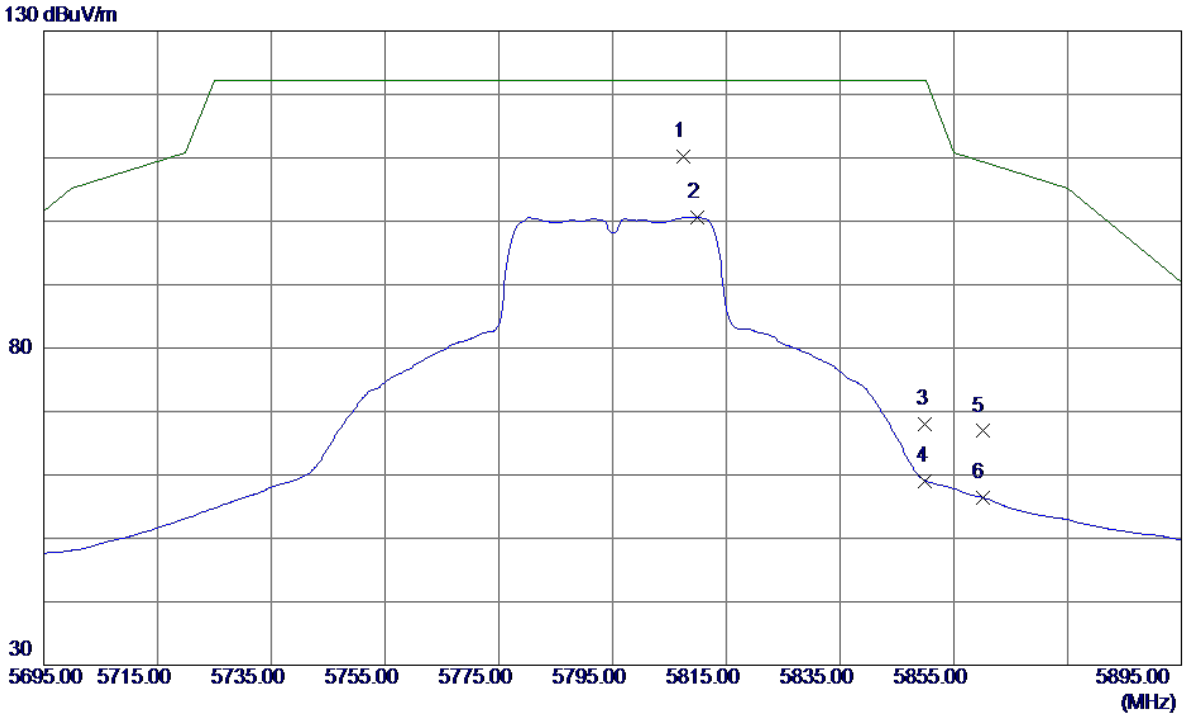
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.3000	43.17	17.79	60.96	74.00	-13.04	Peak	
2 *	11510.5000	32.22	17.79	50.01	54.00	-3.99	AVG	

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

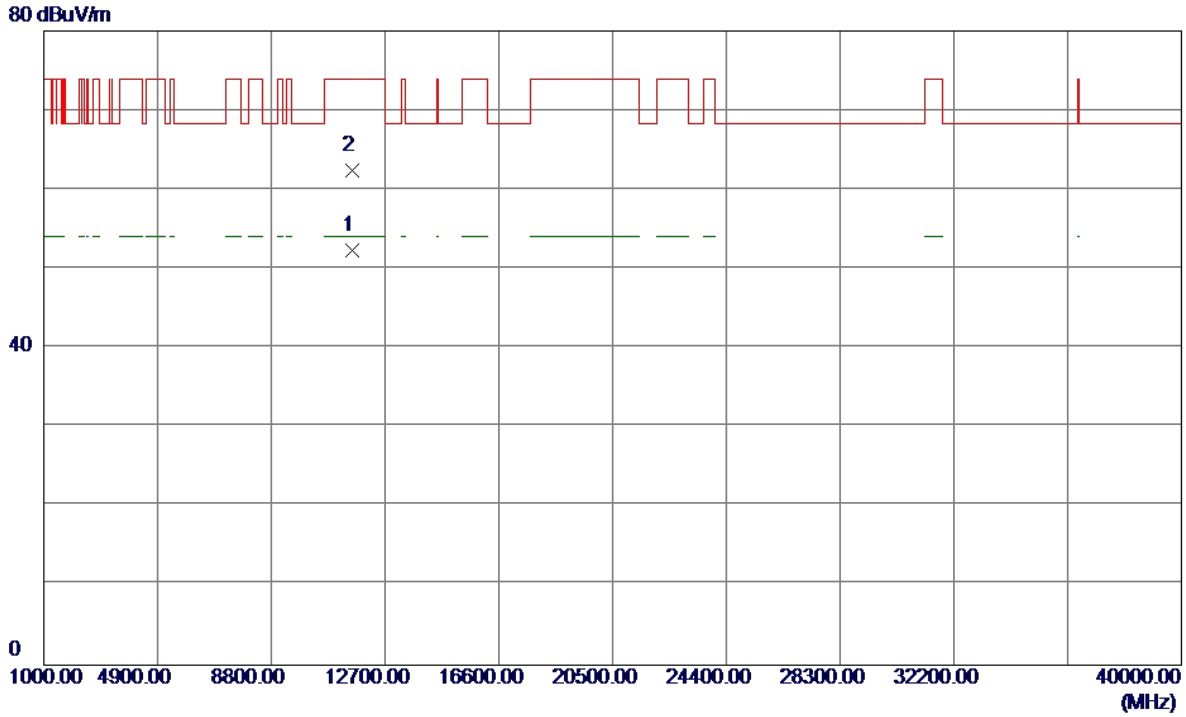
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5807.4000	66.36	43.81	110.17	122.20	-12.03	Peak	
2	5809.8000	56.76	43.82	100.58	122.20	-21.62	AVG	
3	5850.0000	24.08	43.94	68.02	122.20	-54.18	Peak	
4	5850.0000	15.15	43.94	59.09	122.20	-63.11	AVG	
5	5860.0000	22.93	43.97	66.90	109.40	-42.50	Peak	
6	5860.0000	12.47	43.97	56.44	109.40	-52.96	AVG	

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

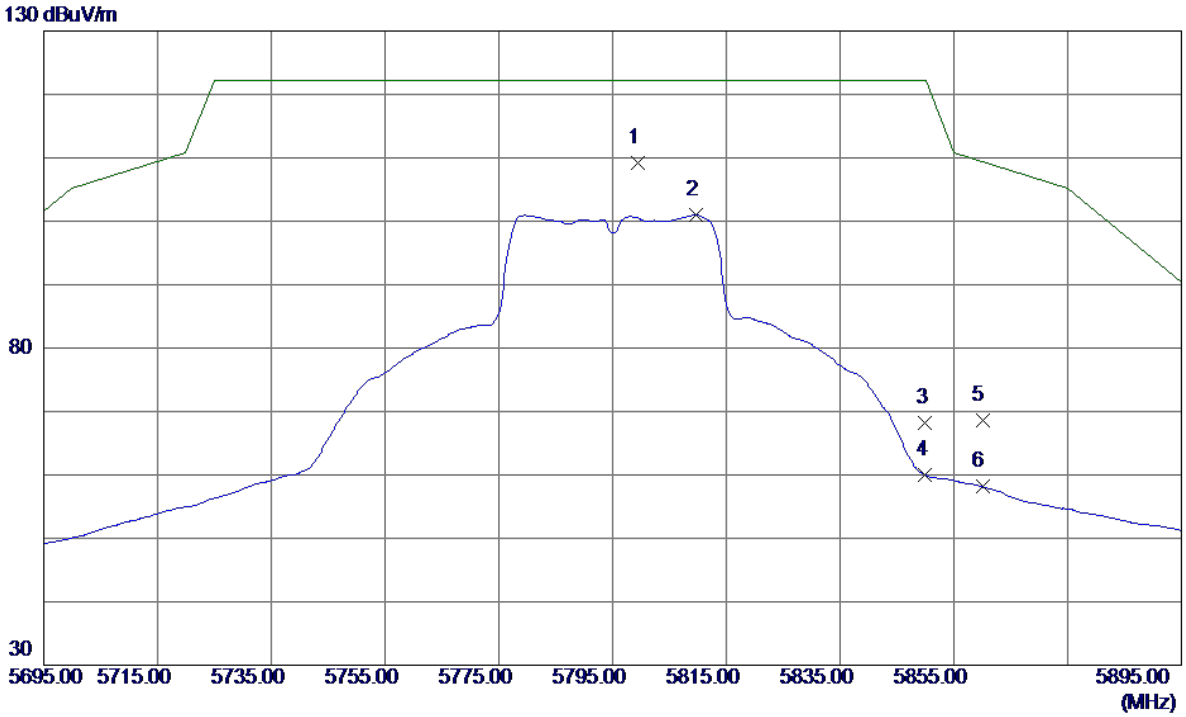
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11590.0000	34.56	17.83	52.39	54.00	-1.61	AVG	
2	11590.5000	44.59	17.83	62.42	74.00	-11.58	Peak	

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

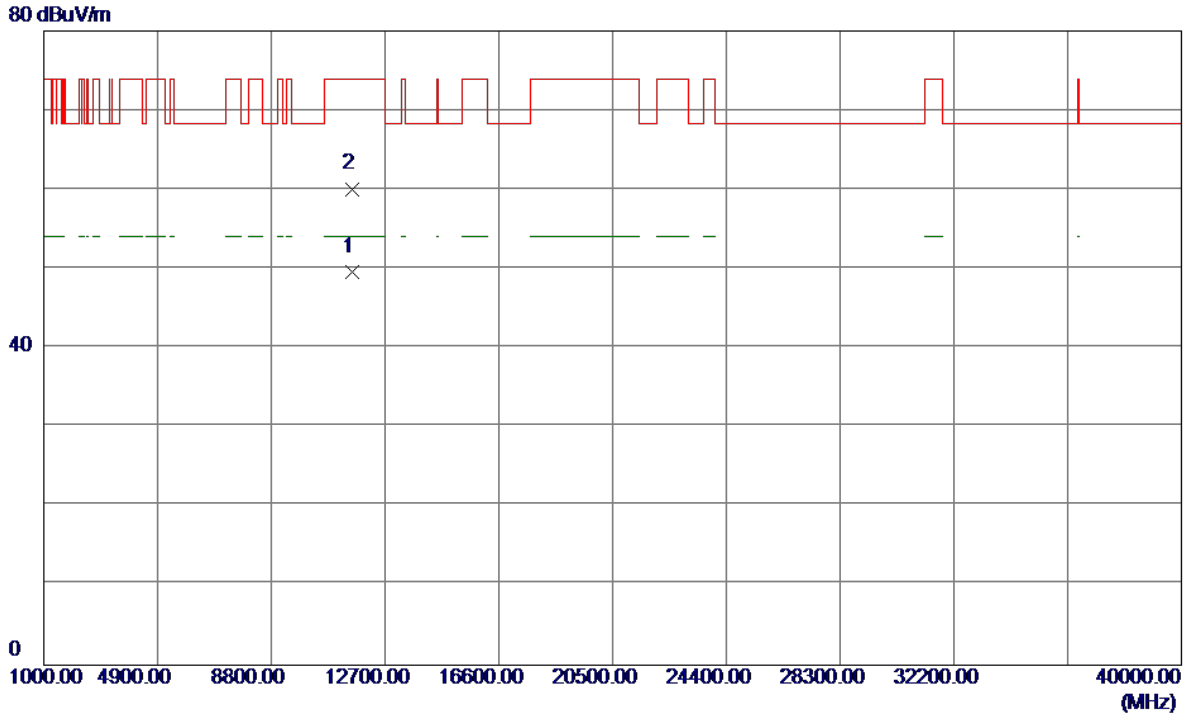
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5799.4000	65.49	43.78	109.27	122.20	-12.93	Peak	
2	5809.6000	57.14	43.81	100.95	122.20	-21.25	AVG	
3	5850.0000	24.24	43.94	68.18	122.20	-54.02	Peak	
4	5850.0000	16.00	43.94	59.94	122.20	-62.26	AVG	
5	5860.0000	24.62	43.97	68.59	109.40	-40.81	Peak	
6	5860.0000	14.19	43.97	58.16	109.40	-51.24	AVG	

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

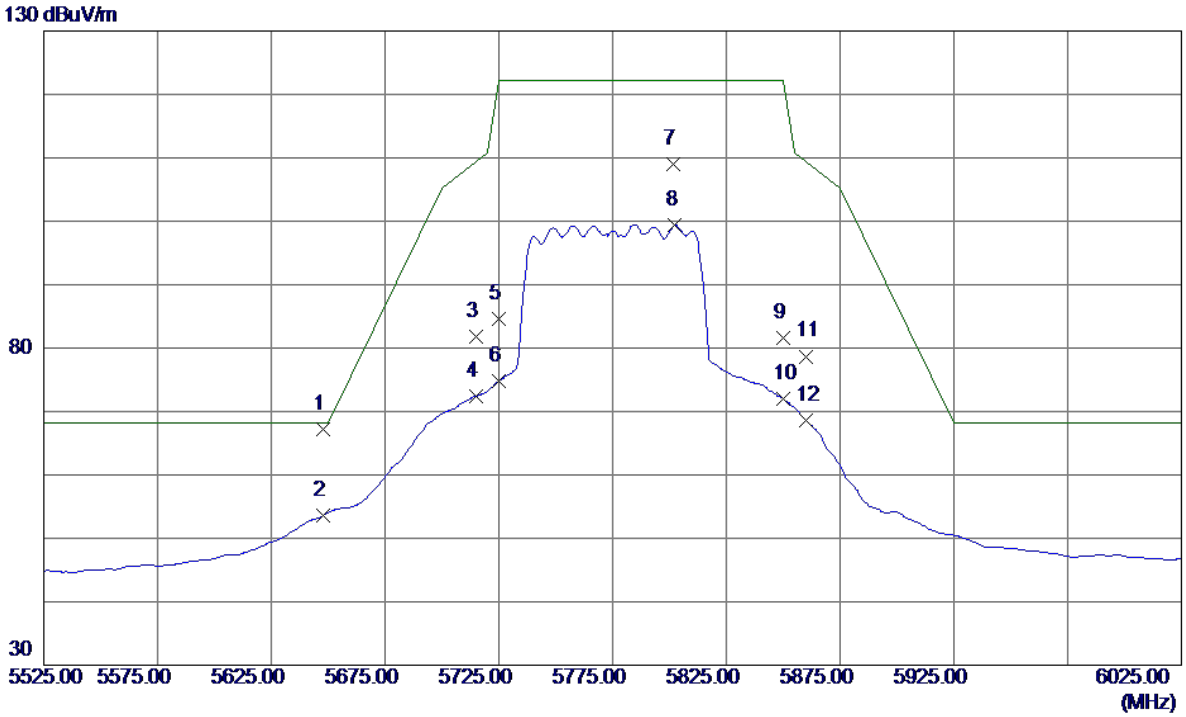
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11589.5000	31.79	17.83	49.62	54.00	-4.38	AVG	
2	11591.8000	42.25	17.83	60.08	74.00	-13.92	Peak	

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

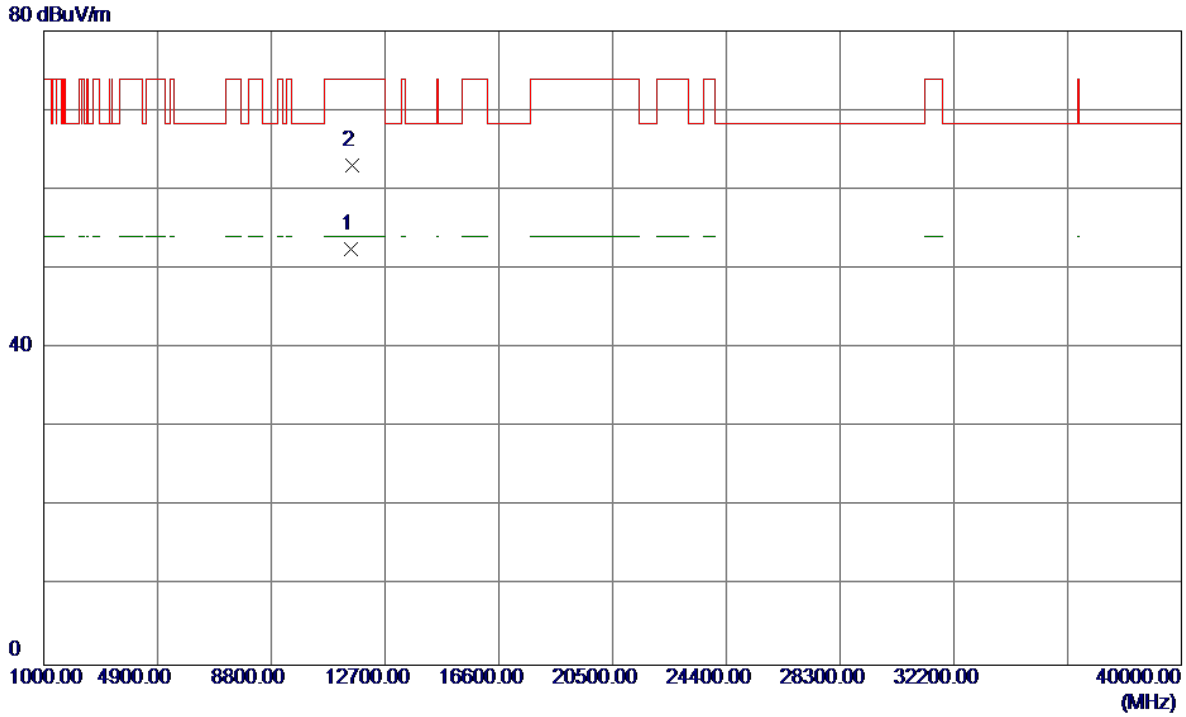
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5648.0000	23.96	43.33	67.29	68.20	-0.91	Peak	
2	5648.0000	10.27	43.33	53.60	68.20	-14.60	AVG	
3	5715.0000	38.28	43.53	81.81	109.40	-27.59	Peak	
4	5715.0000	28.95	43.53	72.48	109.40	-36.92	AVG	
5	5725.0000	41.12	43.56	84.68	122.20	-37.52	Peak	
6	5725.0000	31.30	43.56	74.86	122.20	-47.34	AVG	
7	5801.5000	65.19	43.79	108.98	122.20	-13.22	Peak	
8	5802.5000	55.64	43.79	99.43	122.20	-22.77	AVG	
9	5850.0000	37.59	43.94	81.53	122.20	-40.67	Peak	
10	5850.0000	27.97	43.94	71.91	122.20	-50.29	AVG	
11	5860.0000	34.73	43.97	78.70	109.40	-30.70	Peak	
12	5860.0000	24.57	43.97	68.54	109.40	-40.86	AVG	

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

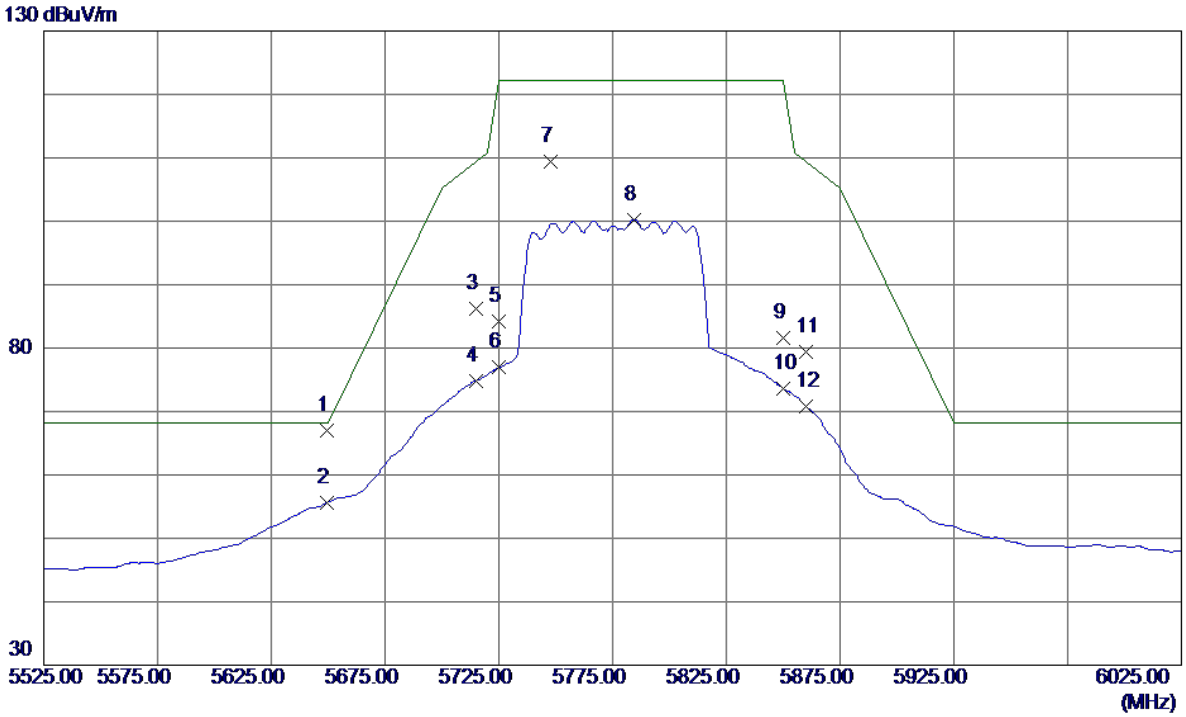
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11550.8000	34.63	17.81	52.44	54.00	-1.56	AVG	
2	11568.0000	45.22	17.82	63.04	74.00	-10.96	Peak	

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

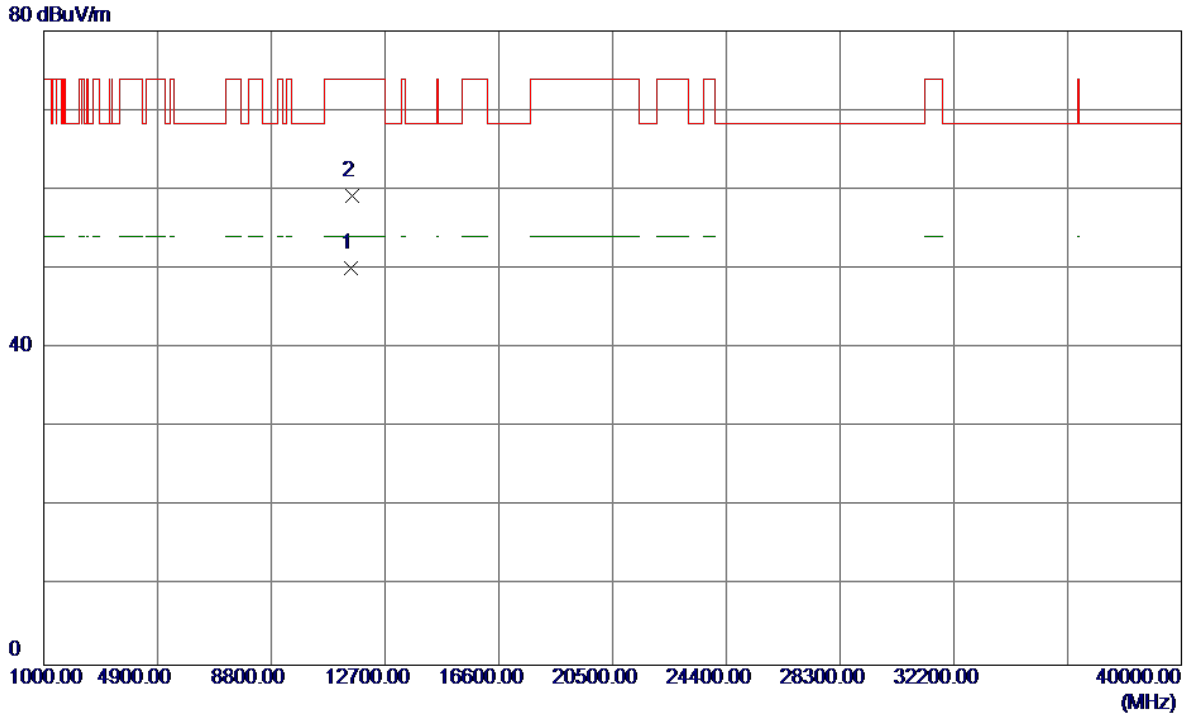
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5649.5000	23.60	43.33	66.93	68.20	-1.27	Peak	
2	5649.5000	12.31	43.33	55.64	68.20	-12.56	AVG	
3	5715.0000	42.59	43.53	86.12	109.40	-23.28	Peak	
4	5715.0000	31.35	43.53	74.88	109.40	-34.52	AVG	
5	5725.0000	40.73	43.56	84.29	122.20	-37.91	Peak	
6	5725.0000	33.42	43.56	76.98	122.20	-45.22	AVG	
7	5748.0000	65.74	43.63	109.37	122.20	-12.83	Peak	
8	5784.5000	56.52	43.74	100.26	122.20	-21.94	AVG	
9	5850.0000	37.59	43.94	81.53	122.20	-40.67	Peak	
10	5850.0000	29.66	43.94	73.60	122.20	-48.60	AVG	
11	5860.0000	35.51	43.97	79.48	109.40	-29.92	Peak	
12	5860.0000	26.84	43.97	70.81	109.40	-38.59	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11549.4000	32.25	17.81	50.06	54.00	-3.94	AVG	
2	11562.6000	41.40	17.82	59.22	74.00	-14.78	Peak	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

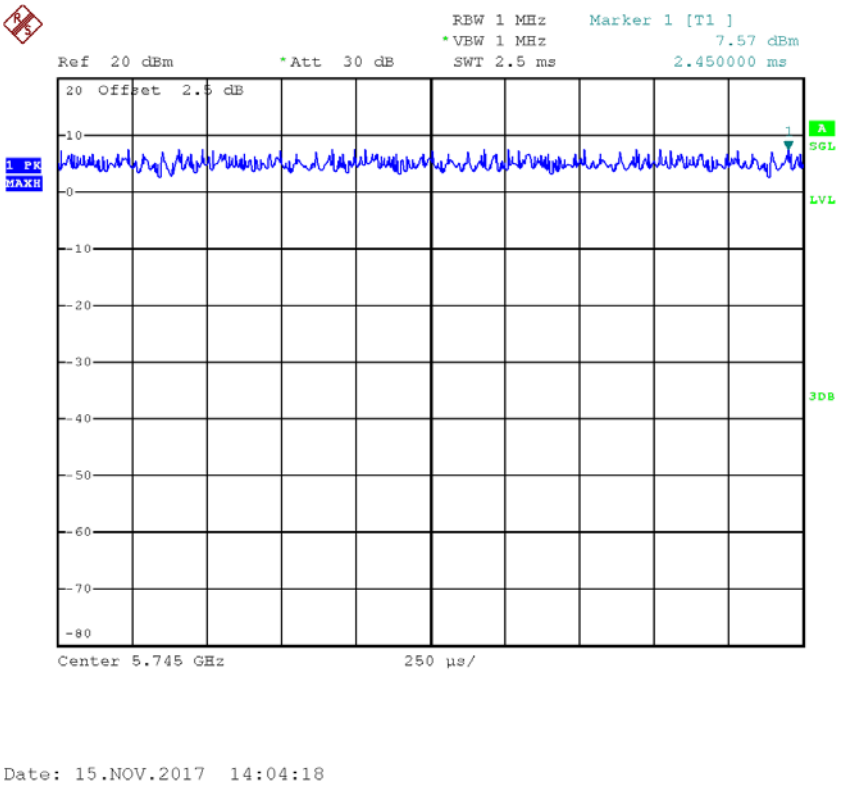
T_{ON}: 100000.00 msec

T_{Total}: 100000.00 msec

Duty cycle: 100.00%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



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

TX N20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

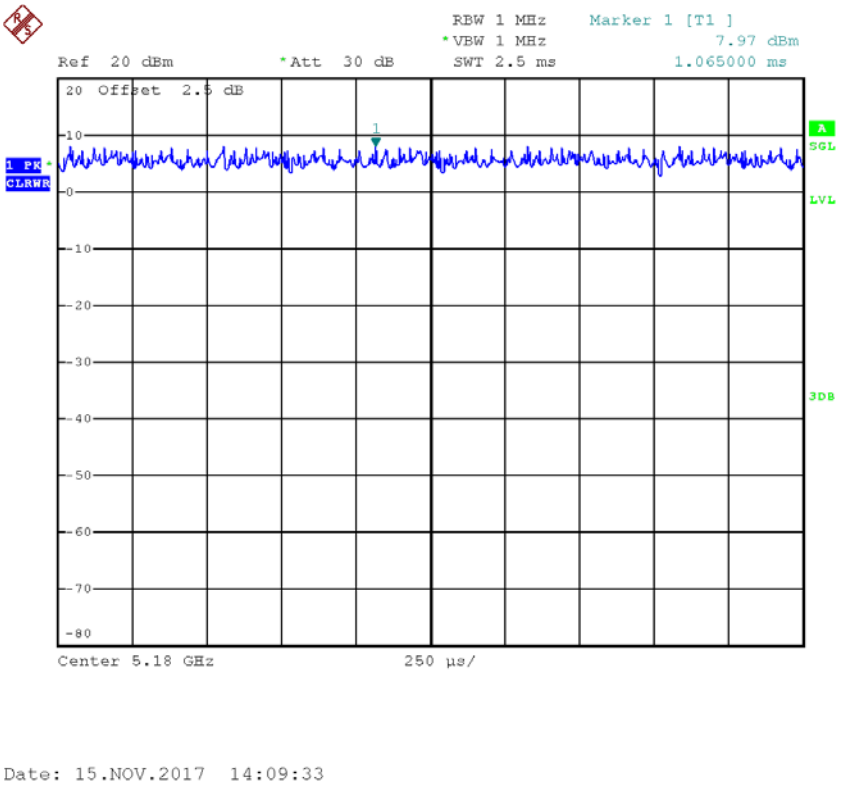
T_{ON}: 100000.00 msec

T_{Total}: 100000.00 msec

Duty cycle: 100.00%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



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

TX N40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

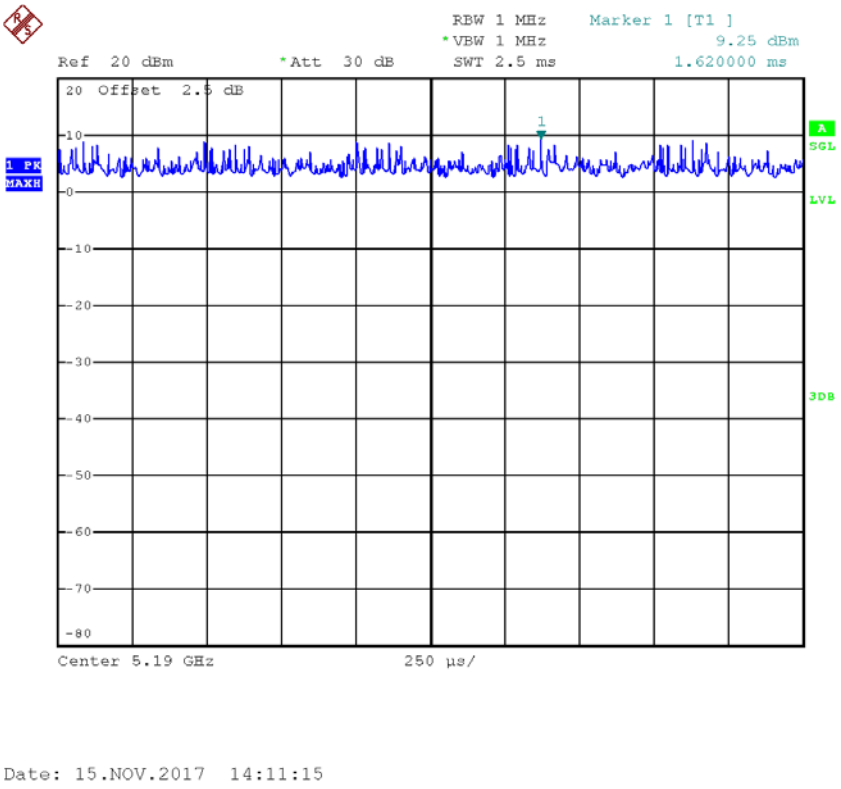
T_{ON}: 100000.00 msec

T_{Total}: 100000.00 msec

Duty cycle: 100.00%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



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

TX AC20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

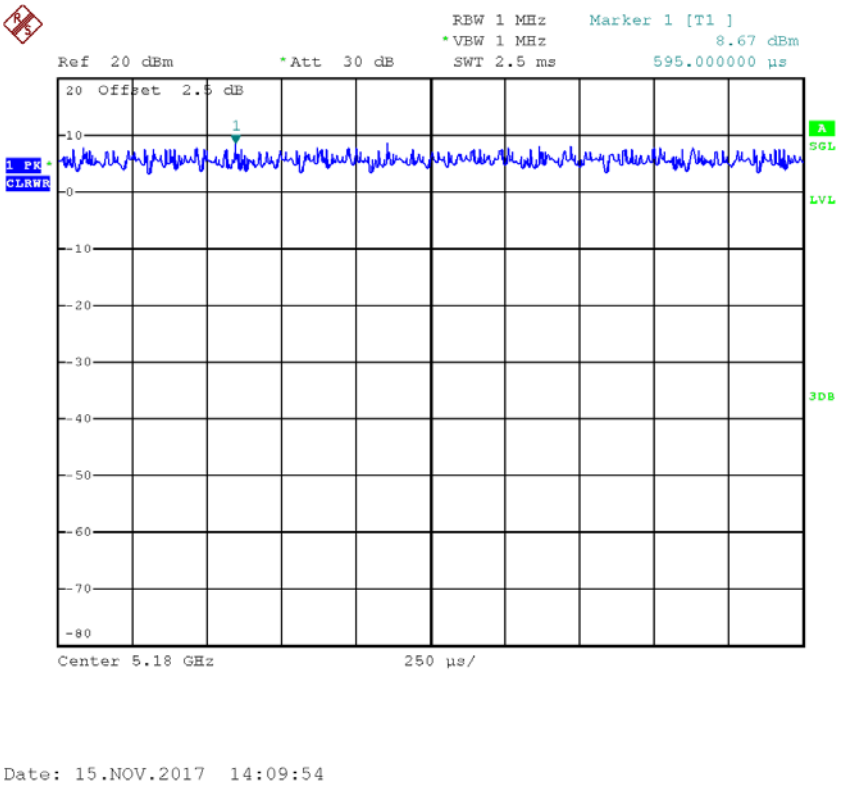
T_{ON}: 100000.00 msec

T_{Total}: 100000.00 msec

Duty cycle: 100.00%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



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

TX AC40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

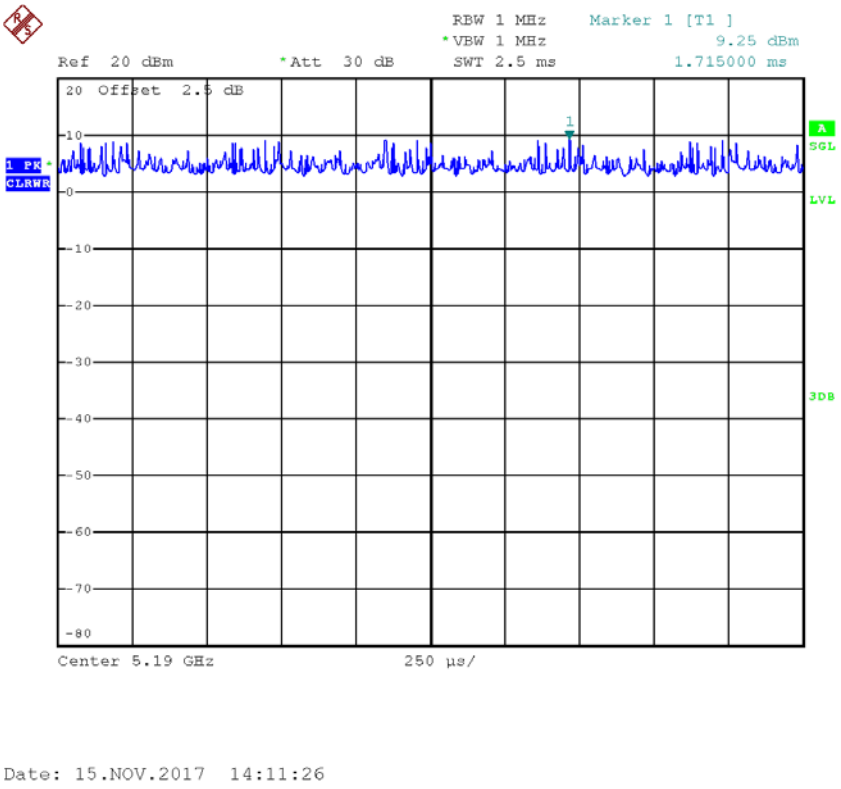
T_{ON}: 100000.00 msec

T_{Total}: 100000.00 msec

Duty cycle: 100.00%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



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

TX AC80 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

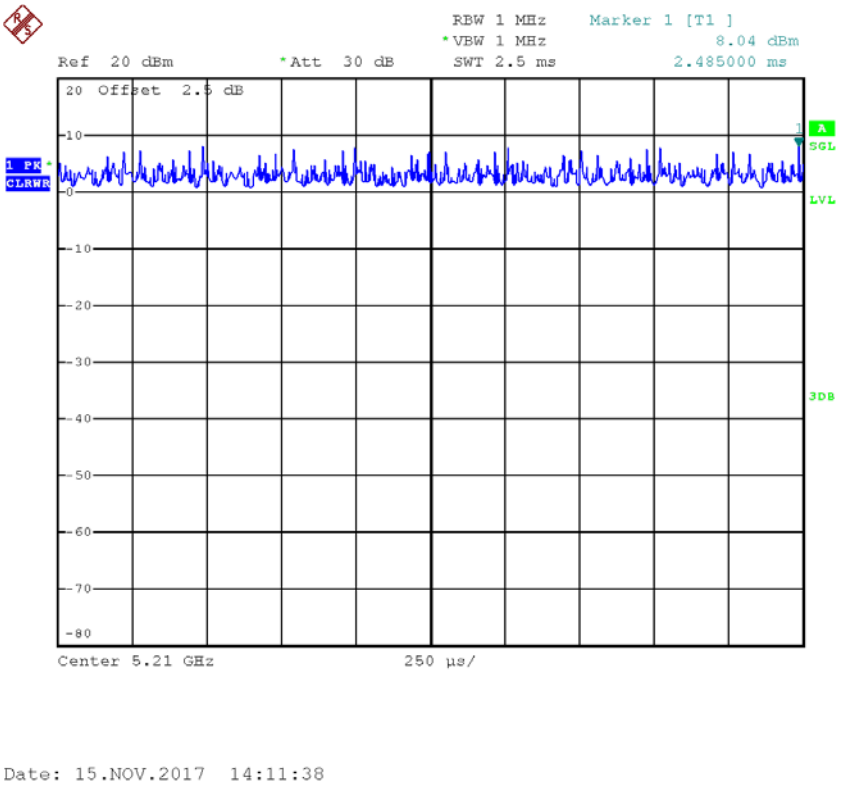
T_{ON}: 100000.00 msec

T_{Total}: 100000.00 msec

Duty cycle: 100.00%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



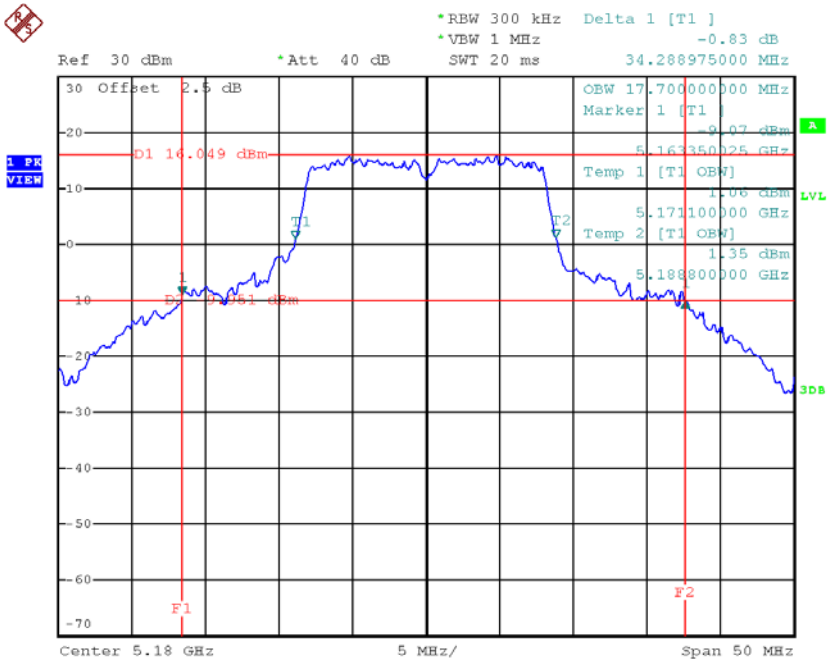
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

APPENDIX E - BANDWIDTH

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

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	34.29	17.70
CH40	5200	34.79	18.30
CH48	5240	34.79	18.50

TX CH36



Date: 15.NOV.2017 14:20:17