FCC Radio Test Report

FCC ID: TE7EAP225WALL

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

Project No.	:	1805C099
Equipment	:	AC1200 Wireless MU-MIMO Wall Plate Access Point
Test Model	:	EAP225-Wall
Series Model	:	N/A
Applicant	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China

Date of Receipt	:	May 29, 2018
Date of Test	:	Jun. 01, 2018 ~ Jul. 31, 2018
Issued Date	:	Sep. 06, 2018
Tested by	:	BTL Inc.

Testing Engineer : Welly Zhou
(Welly Zhou)

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(David Mao)

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NVLAP® TESTING NVLAP LAB CODE 200788-0

Declaration

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

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

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This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our 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.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements in all the possible configurations as representative of its intended use.

Limitation

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

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REPORT ISSUED HISTORY

Issued No.	VER.	Description	Issued Date
BTL-FCCP-2-1805C099	V01	Original Issue.	Aug. 10, 2018
BTL-FCCP-2-1805C099	V02	1. The EUT's A mode doesn't support Beamforming, so deleted the test datas of A mode with Beamforming. 2. Changed the brand name.	Sep. 06, 2018

1. CERTIFICATION

Equipment	:	AC1200 Wireless MU-MIMO Wall Plate Access Point
Brand Name	:	Omada
Test Model	:	EAP225-Wall
Series Model	:	N/A
Applicant	:	TP-Link Technologies Co., Ltd.
Manufacturer	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China
Date of Test	:	Jun. 01, 2018 ~ Jul. 31, 2018
Test Sample	:	Engineering Sample No.: D180504296
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-2-1805C099) 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).

Test results included in this report is only for the RLAN 5GHz UNII-1 & UNII-3 part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

The measurement uncertainty figures shall be calculated according the methods described in the ETSI TR 100 028 and shall correspond to an expansion factor (coverage factor) k=1.96 or k=2(which provide confidence levels of respectively 90% and 95.45% in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)). Measurement Uncertainty for a Level of Confidence of 95 %, U=2xUc(y).

The BTL measurement uncertainty as below table:

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150 KHz ~ 30MHz	2.32

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	AC1200 Wireless MU-MIMO Wall Plate Access Point	
Brand Name	Omada	
Model Name	EAP225-Wall	
Series Model	N/A	
Model Difference	N/A	
Software Version	1.0.0	
Hardware Version	1.0	
Product Description	Operation Frequency	UNII-1: 5150 ~ 5250 MHz UNII-3: 5725 ~ 5850 MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	867 Mbps
	Output Power (Max.)for UNII-1	802.11a: 22.12dBm 802.11n (20M): 21.98dBm 802.11n (40M): 21.65dBm 802.11ac (20M): 21.84dBm 802.11ac (40M): 21.58dBm 802.11ac (80M): 18.29dBm
	Output Power (Max.)for UNII-3	802.11a: 22.65dBm 802.11n (20M): 21.99dBm 802.11n (40M): 21.97dBm 802.11ac (20M): 21.93dBm 802.11ac (40M): 21.95dBm 802.11ac (80M): 21.60dBm
	Output Power (Max.)for UNII-1 With Beamforming	802.11n (20M): 21.88dBm 802.11n (40M): 21.20dBm 802.11ac (20M): 21.65dBm 802.11ac (40M): 21.43dBm 802.11ac (80M): 17.88dBm
	Output Power (Max.)for UNII-3 With Beamforming	802.11n (20M): 21.59dBm 802.11n (40M): 21.75dBm 802.11ac (20M): 21.69dBm 802.11ac (40M): 21.76dBm 802.11ac (80M): 21.29dBm
Power Source	DC voltage supplied from PoE Switch.	
Power Rating	DC 42.5~57V 0.6A	

Note:

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

2. Channel List:

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

802.11a 802.11n 20MHz 802.11ac 20MHz		802.11n 40MHz 802.11ac 40MHz		802.11ac 80MHz	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

3. Antenna Specification:

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

Note:

(1) This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain = G_{ANT}+10log(N)dBi, that is Directional gain=3+10log(2)dBi=6.01; So, the UNII-1, UNII-3 output power limit is 30-6.01+6=29.99. The UNII-1 power density limit is 17-6.01+6=16.99, the UNII-3 power density limit is 30-6.01+6=29.99.

(2) Beamforming Gain: 3.01 dBi, Directional gain=3+10log(2)dBi=6.01. Then, the UNII-1, UNII-3 output power limit is 30-6.01+6=29.99. The UNII-1 power density limit is 17-6.01+6=16.99, the UNII-3 power density limit is 30-6.01+6=29.99.

4.

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

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

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

Note:

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

(2) The EUT is considered a portable unit; it was pre-tested on the positioned of each 3 axis. The worst case was found positioned on Z-plane. Therefore only the test data of this Z-plane was used for radiated emission measurement test.

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

Non-Beamforming

UNII-1			
Test Software Version	QRCT		
Frequency (MHz)	5180	5200	5240
A Mode	19	19	19
N20 Mode	19	19	19
AC20 Mode	19	19	19
Frequency (MHz)	5190	5230	
N40 Mode	15	18	
AC40 Mode	15	18	
Frequency (MHz)	5210		
AC80 Mode	15		

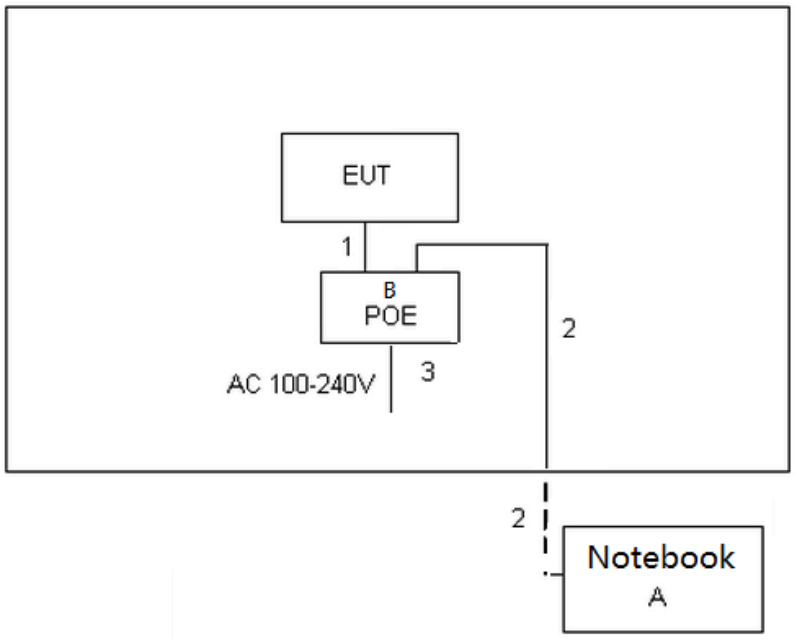
UNII-3			
Test Software Version	QRCT		
Frequency (MHz)	5745	5785	5825
A Mode	22	22	22
N20 Mode	22	22	22
AC20 Mode	22	22	22
Frequency (MHz)	5755	5795	
N40 Mode	22	22	
AC40 Mode	22	22	
Frequency (MHz)	5775		
AC80 Mode	22		

With Beamforming

UNII-1			
Test Software Version	QRCT		
Frequency (MHz)	5180	5200	5240
N20 Mode	19	19	19
AC20 Mode	19	19	19
Frequency (MHz)	5190	5230	
N40 Mode	15	18	
AC40 Mode	15	18	
Frequency (MHz)	5210		
AC80 Mode	15		

UNII-3			
Test Software Version	QRCT		
Frequency (MHz)	5745	5785	5825
N20 Mode	22	22	22
AC20 Mode	22	22	22
Frequency (MHz)	5755	5795	
N40 Mode	22	22	
AC40 Mode	22	22	
Frequency (MHz)	5775		
AC80 Mode	22		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.5m	RJ45 Cable
2	NO	NO	10m	RJ45 Cable
3	NO	NO	1.5m	AC 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 -0.50	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.

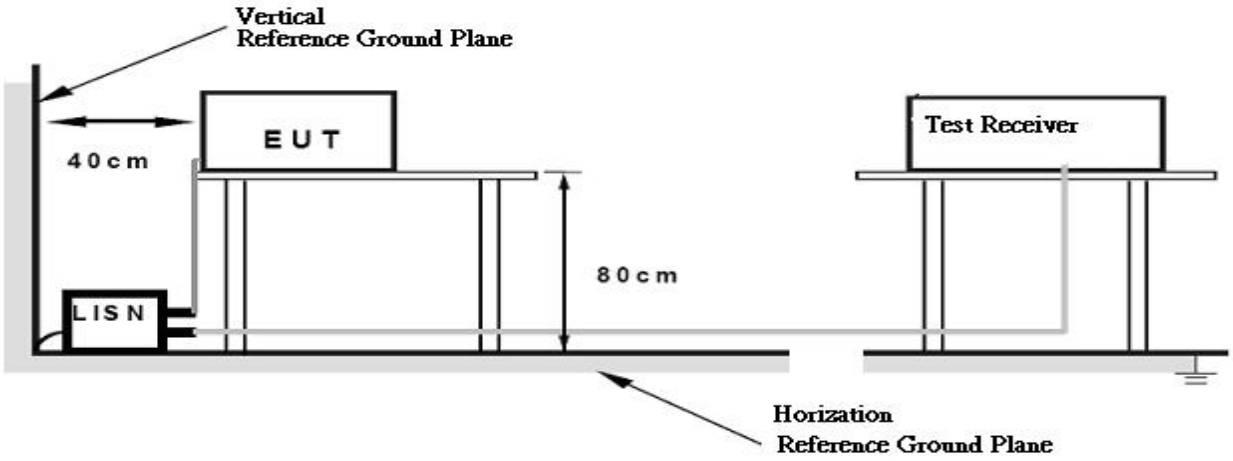
d. LISN at least 80 cm from nearest part of EUT chassis.

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

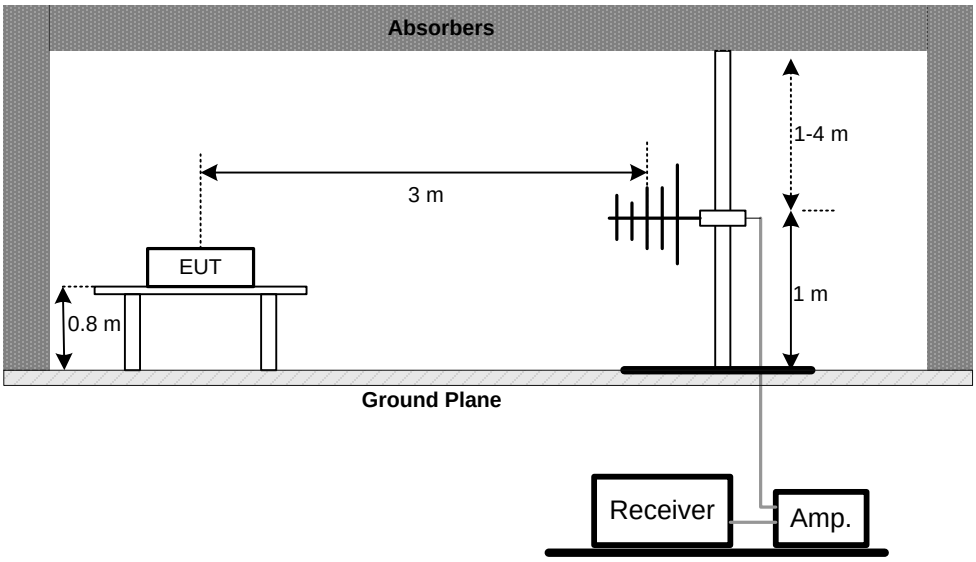
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

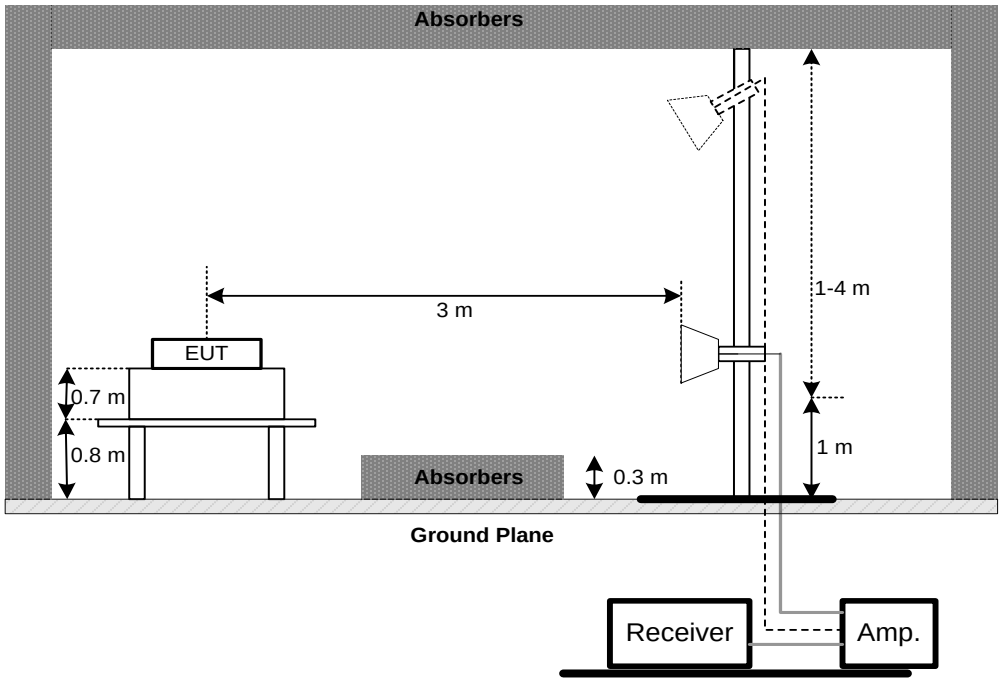
No deviation

4.2.4 TEST SETUP

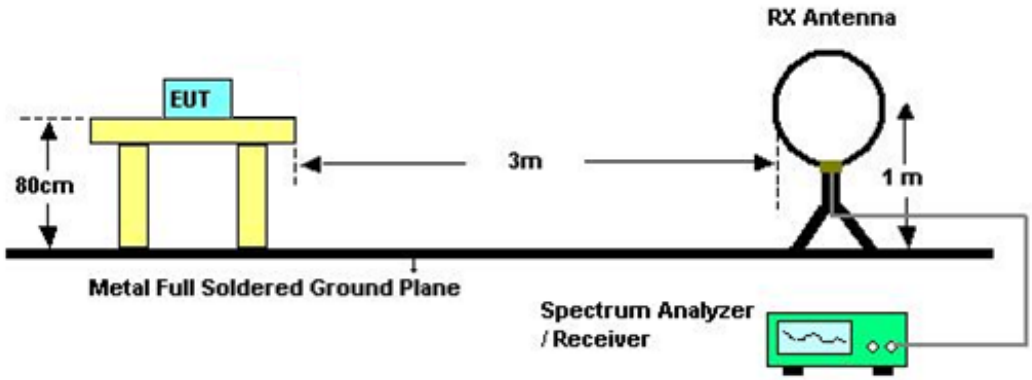
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



(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 spectrum analyzer and antenna output port as show in the block diagram below,
b. Used spectrum analyzer band power measurement function.
c.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Sweep points	≥2 x span / RBW
Detector	RMS
Trace	Trace average at least 100 traces in power averaging(rms) mode.
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

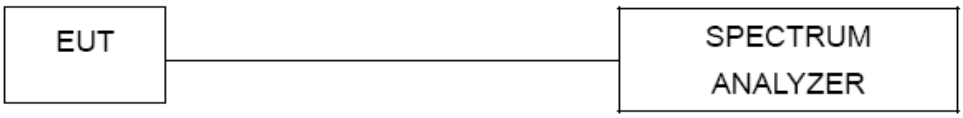
Note:

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

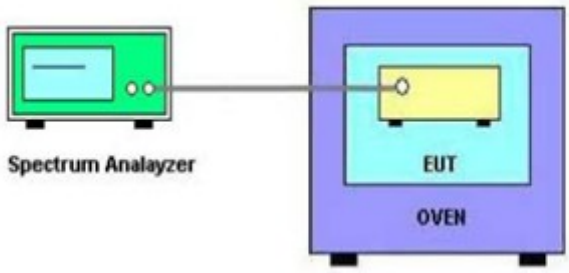
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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 Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 11, 2019
2	LISN	EMCO	3816/2	52765	Mar. 11, 2019
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 11, 2019
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 11, 2019
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 Measurement - 9KHZ TO 30MHZ					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EM	EM-6876-1	230	Feb. 07, 2019
2	Cable	N/A	RG 213/U	C-102	Jun. 01, 2019
3	EMI Test Receiver	R&S	ESCI	100382	Mar. 11, 2019

Radiated Emission Measurement - Below 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 11, 2019
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	May 25, 2019
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	Antenna	EM	EM-6876-1	230	Feb. 07, 2019

Radiated Emission Measurement - Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 11, 2019
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2019
3	Amplifier	Agilent	8449B	3008A02274	Mar. 11, 2019
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 11, 2019
5	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	N/A	CA500-SMSM-12M (1-26.5GHz)	N/A	Sep. 29, 2018
9	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	Spectrum Analyzer	R&S	FSP40	100185	Aug. 20, 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. 11, 2019

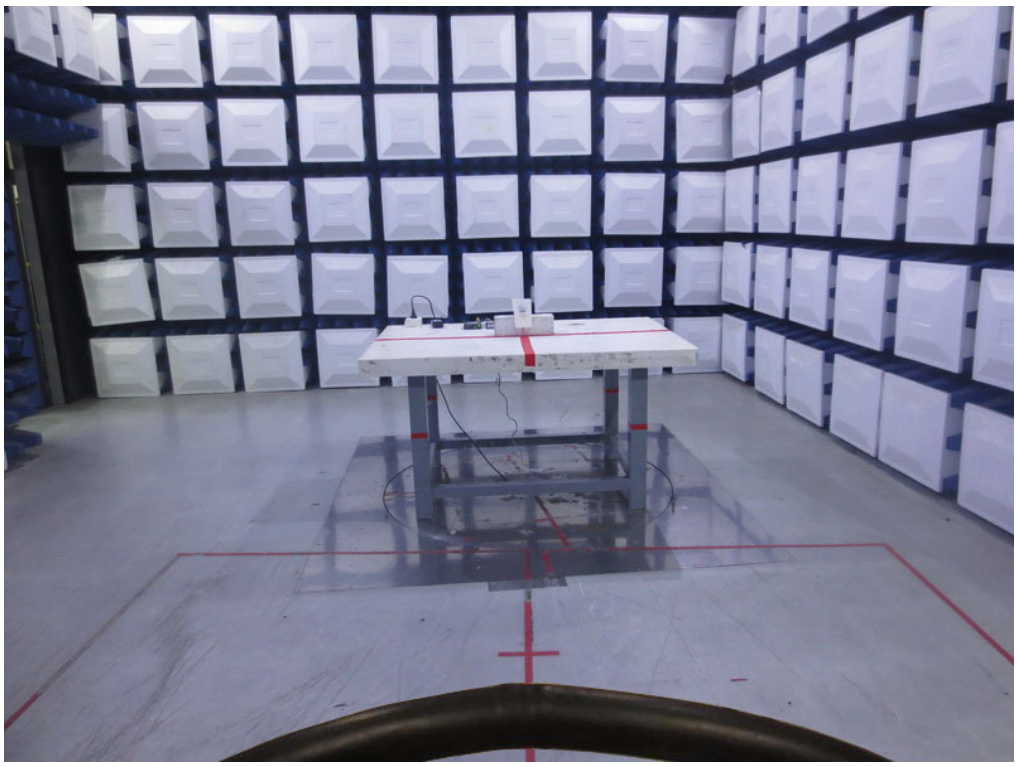
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

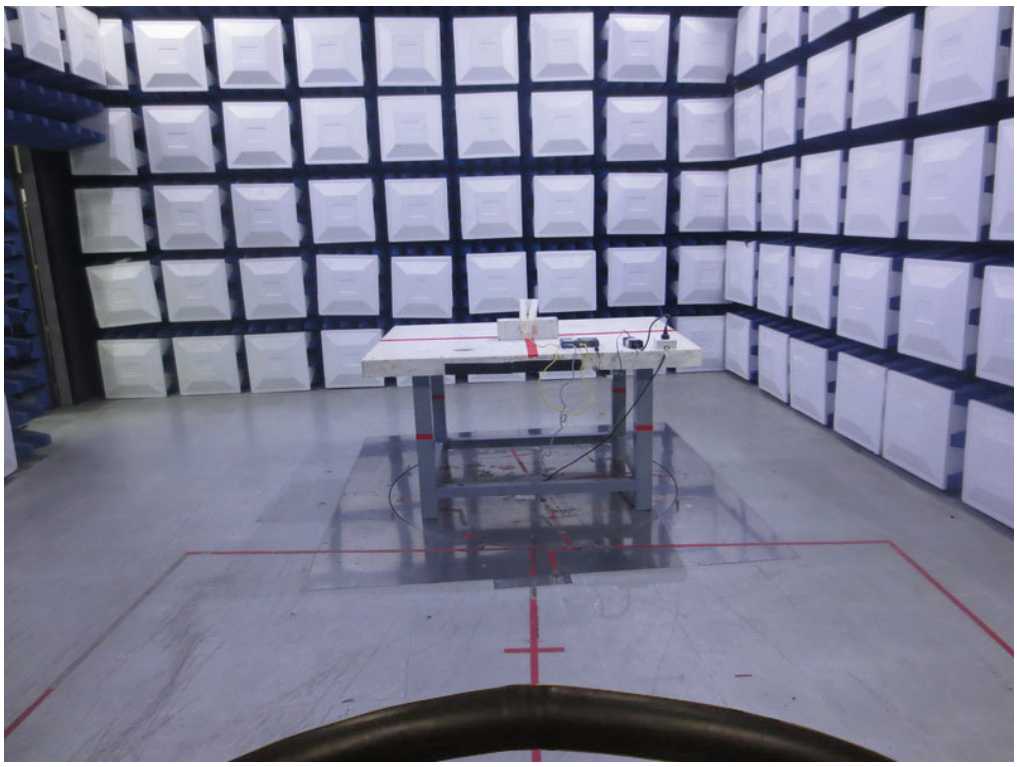
10. EUT TEST PHOTOS

Conducted Measurement Photos

Radiated Measurement Photos

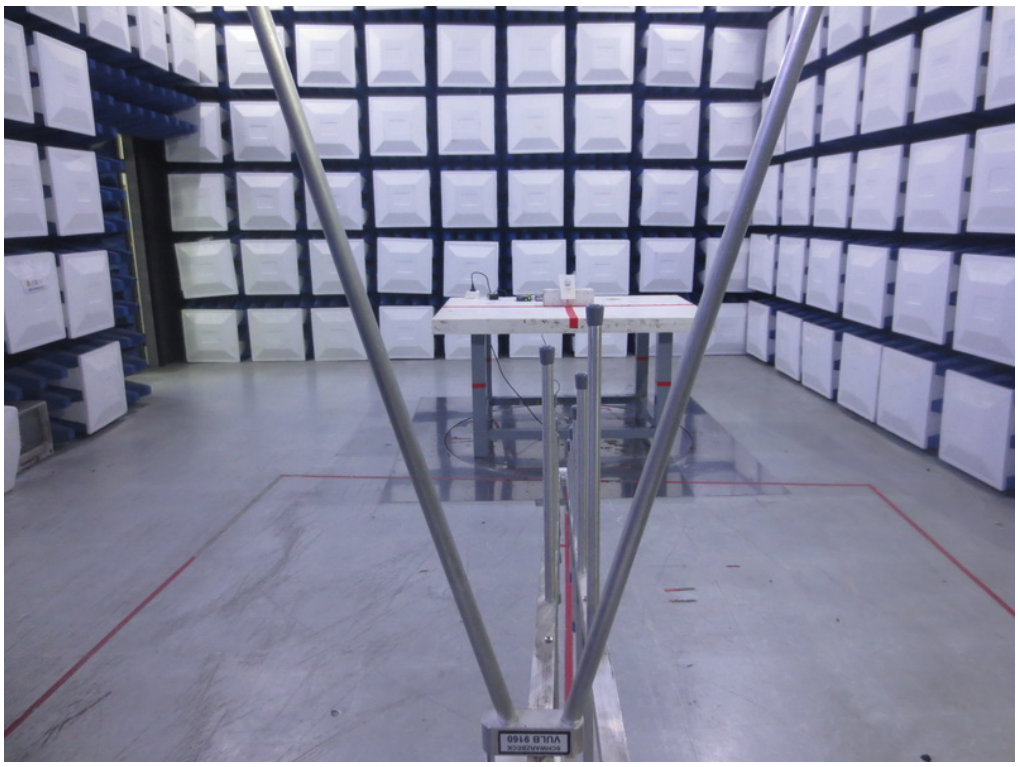
9kHz to 30MHz

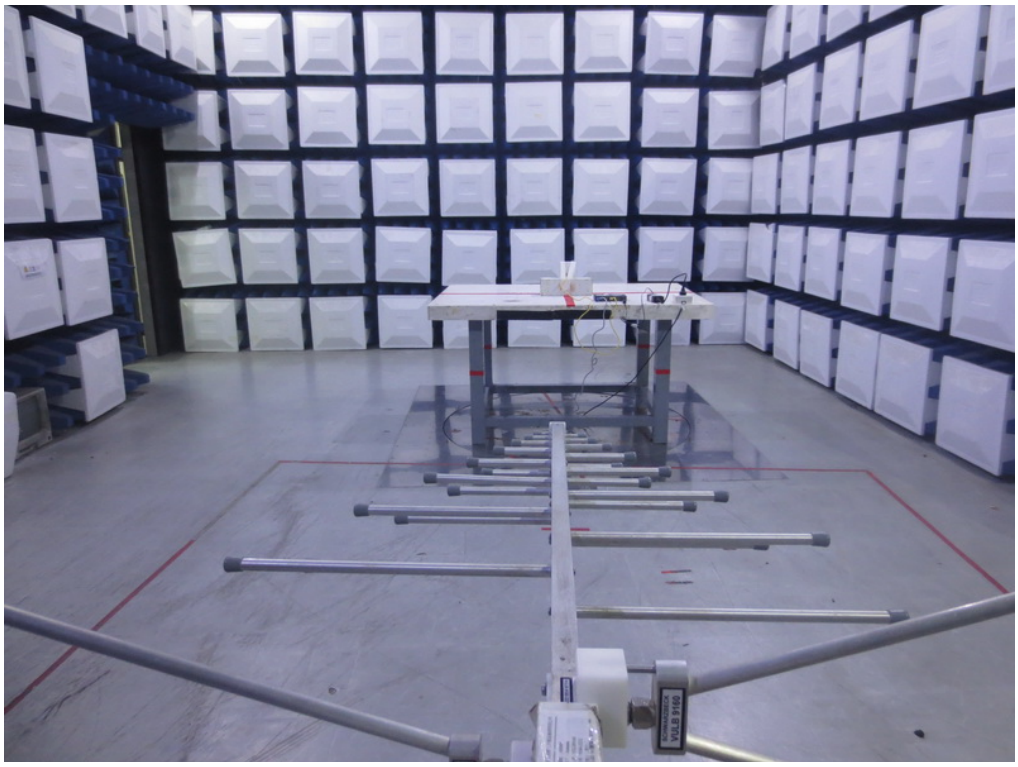




Radiated Measurement Photos

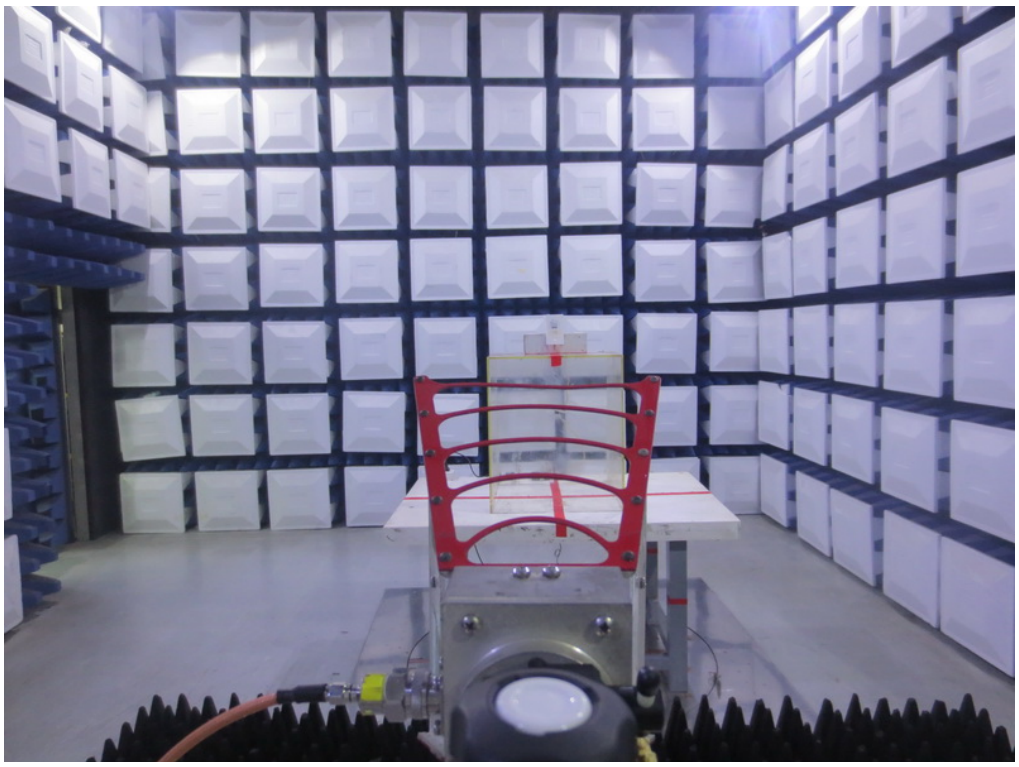
30MHz to 1000MHz

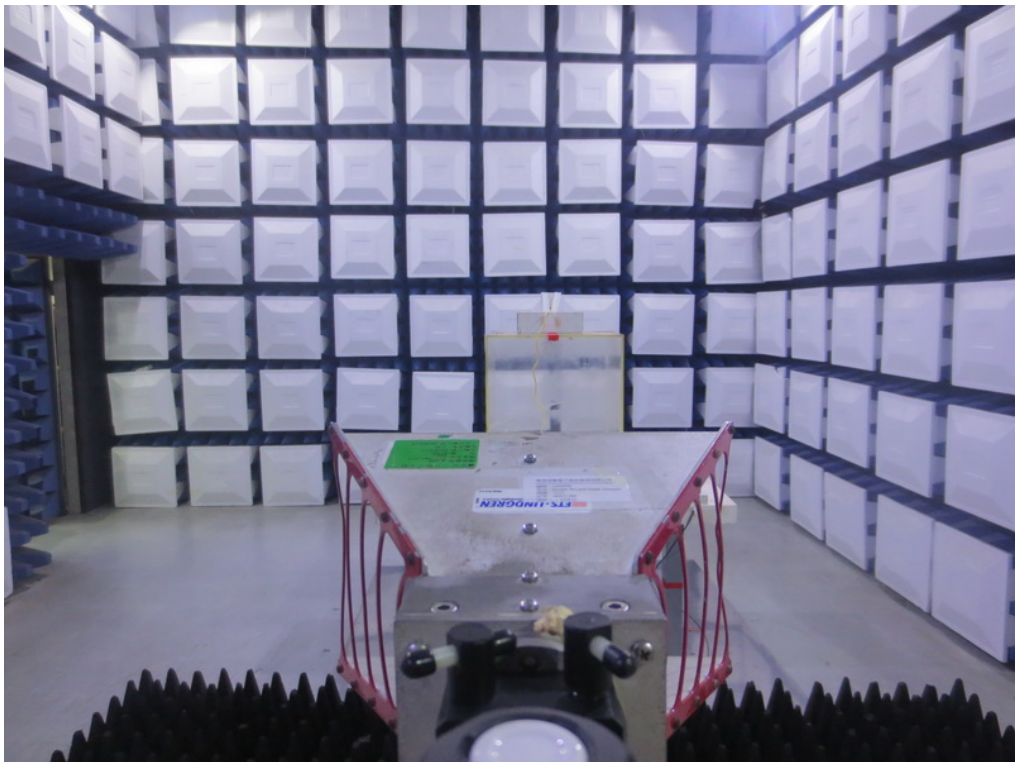




Radiated Measurement Photos

Above 1000MHz

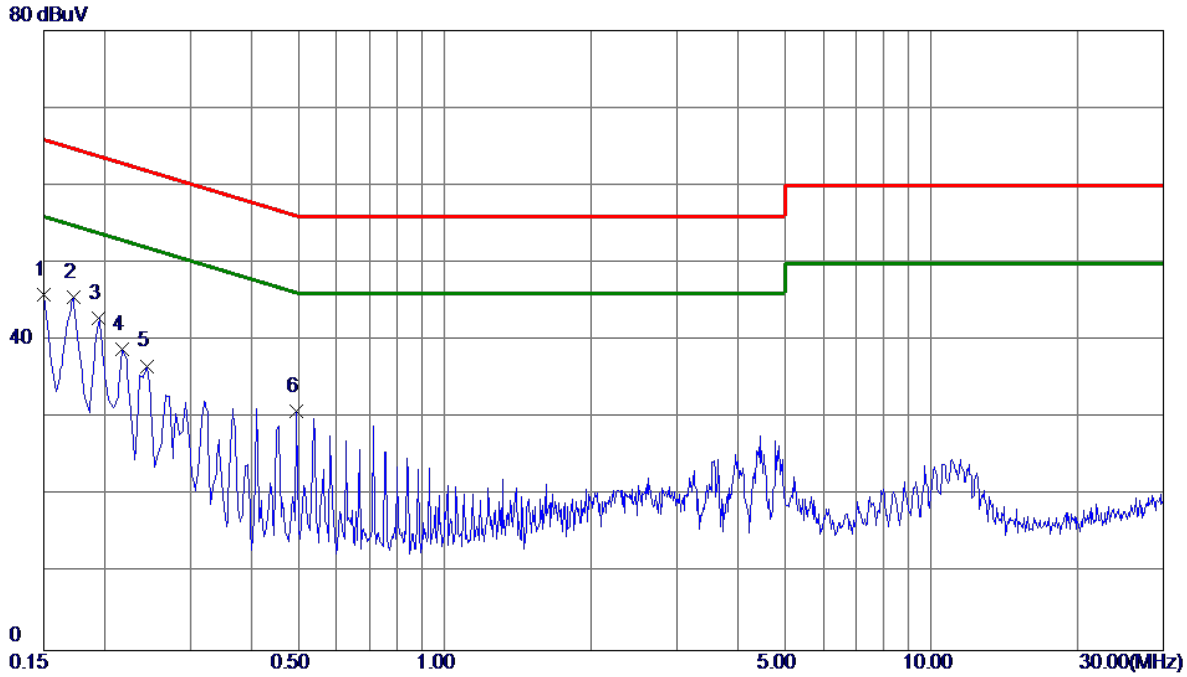




APPENDIX A - CONDUCTED EMISSION

Test Mode:	TX MODE

Line

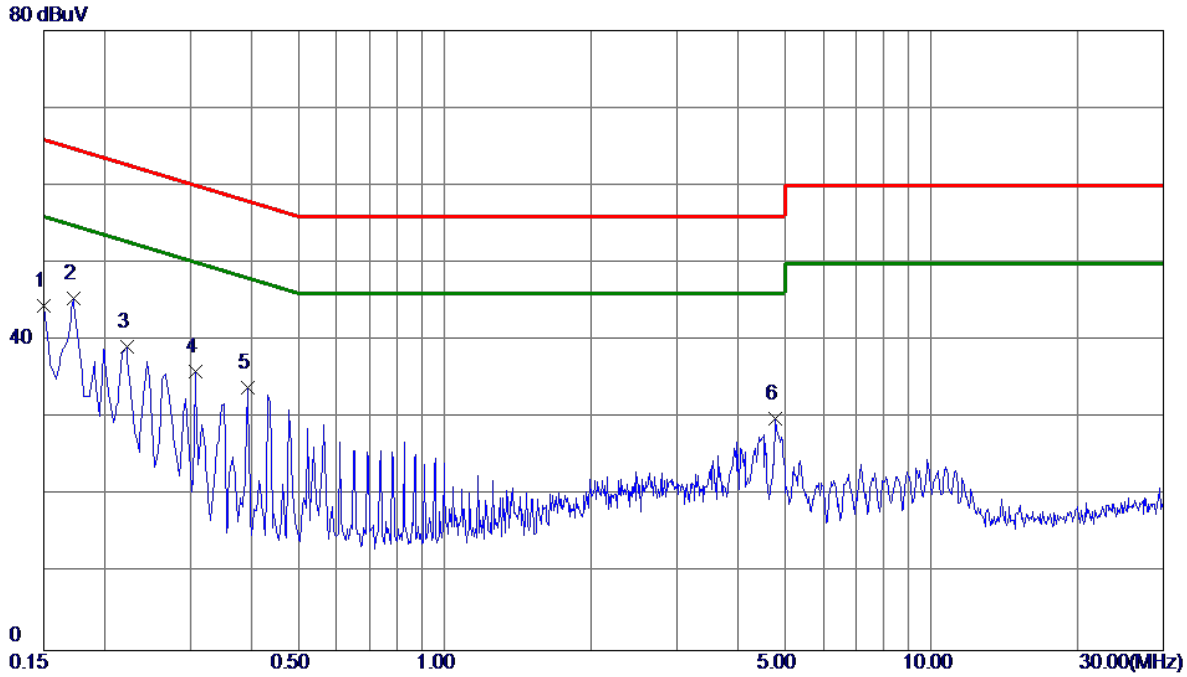


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1500	36.17	9.82	45.99	66.00	-20.01	Peak	
2 *	0.1725	35.80	9.82	45.62	64.84	-19.22	Peak	
3	0.1949	33.13	9.82	42.95	63.83	-20.88	Peak	
4	0.2175	29.12	9.82	38.94	62.91	-23.97	Peak	
5	0.2445	26.90	9.82	36.72	61.94	-25.22	Peak	
6	0.4965	21.05	9.79	30.84	56.06	-25.22	Peak	

Note：The test result has included the cable loss.

Test Mode:	TX MODE

Neutral



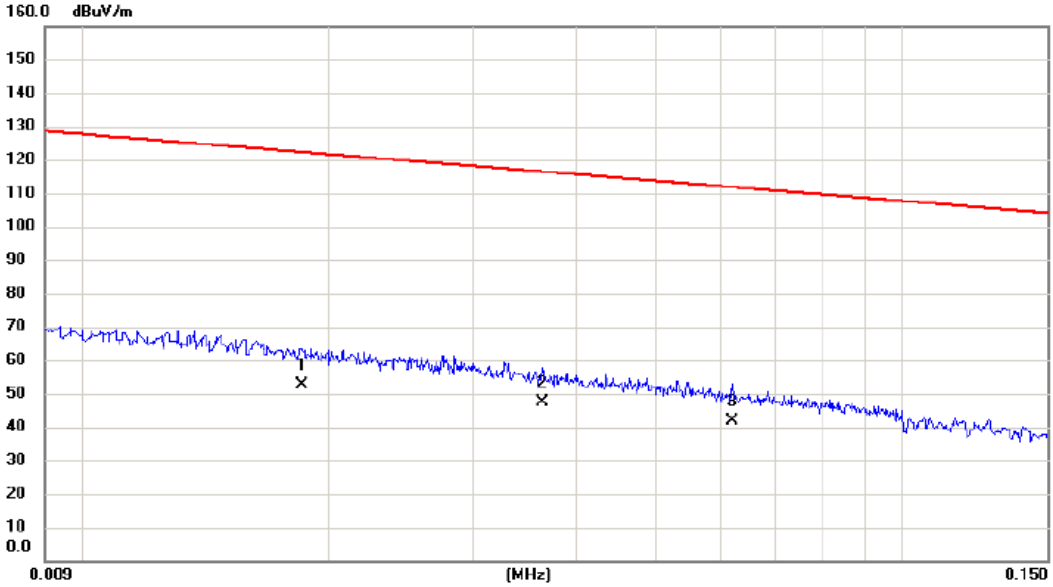
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1500	34.54	9.91	44.45	66.00	-21.55	Peak	
2 *	0.1725	35.54	9.91	45.45	64.84	-19.39	Peak	
3	0.2220	29.36	9.91	39.27	62.74	-23.47	Peak	
4	0.3075	26.05	9.93	35.98	60.04	-24.06	Peak	
5	0.3930	23.95	9.95	33.90	58.00	-24.10	Peak	
6	4.7940	19.47	10.38	29.85	56.00	-26.15	Peak	

Note：The test result has included the cable loss.

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

Test Mode:	TX MODE

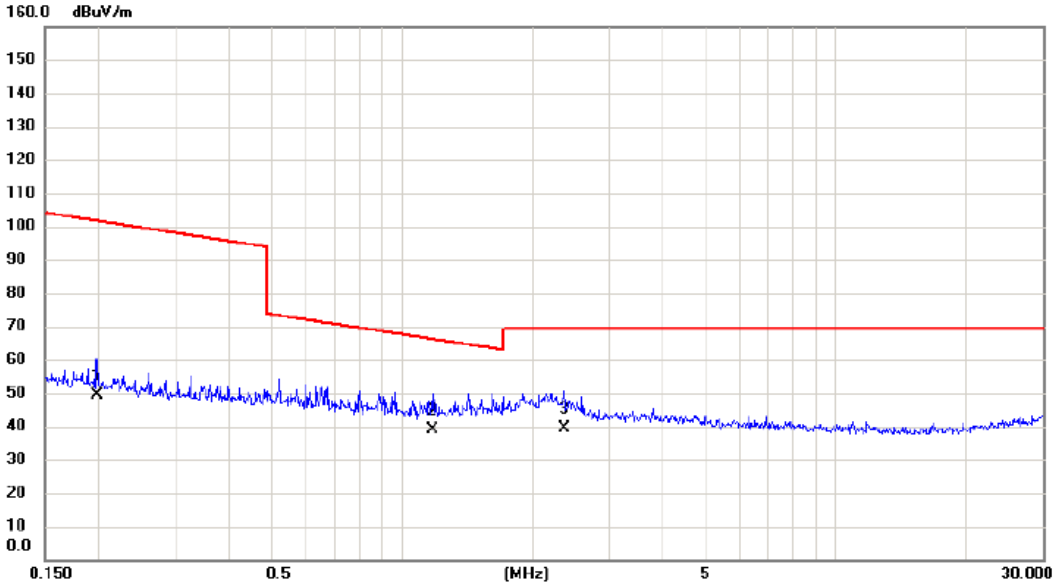
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0185	32.50	20.23	52.73	122.26	-69.53	AVG	
2	*	0.0364	27.80	19.75	47.55	116.38	-68.83	AVG	
3		0.0620	22.60	19.29	41.89	111.76	-69.87	AVG	

Test Mode:	TX MODE

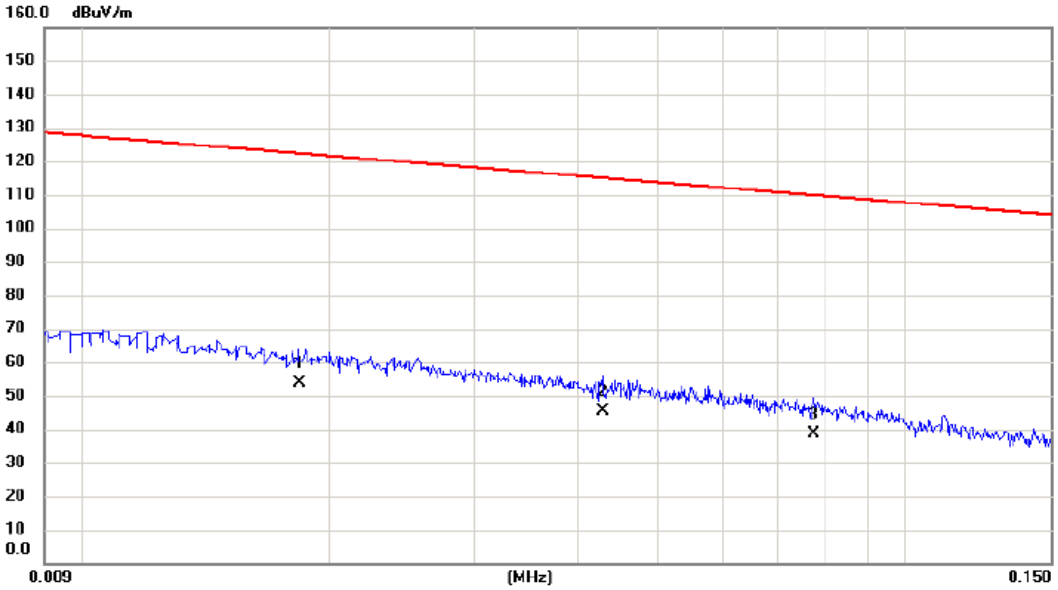
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1986	32.40	17.15	49.55	101.65	-52.10	AVG	
2	*	1.1720	22.30	16.68	38.98	66.23	-27.25	QP	
3		2.3710	22.50	16.90	39.40	69.54	-30.14	QP	

Test Mode:	TX MODE

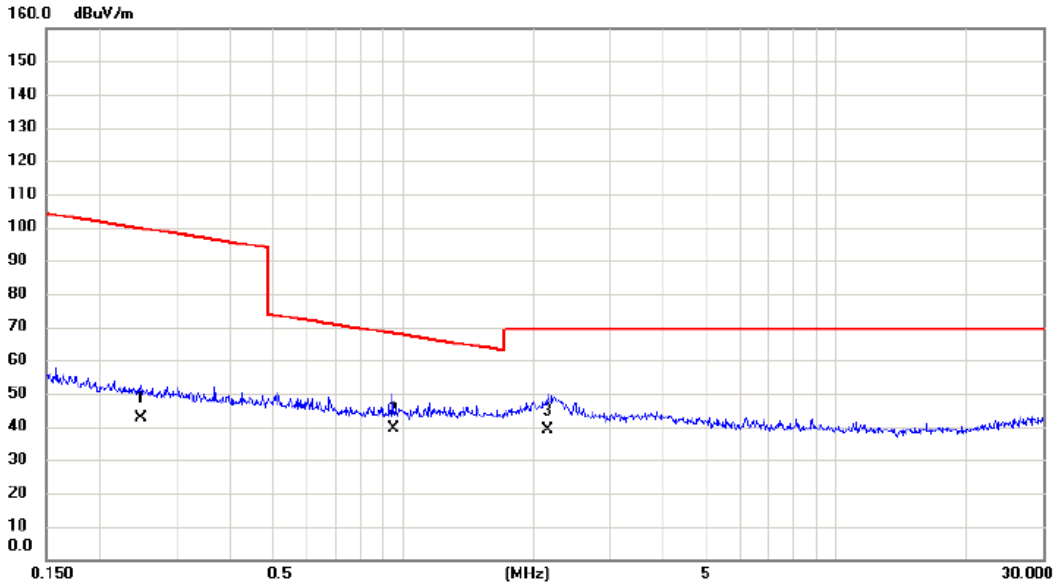
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0184	33.50	20.24	53.74	122.31	-68.57	AVG	
2		0.0430	25.80	19.64	45.44	114.94	-69.50	AVG	
3		0.0774	19.70	18.97	38.67	109.83	-71.16	AVG	

Test Mode:	TX MODE

Ant 90°

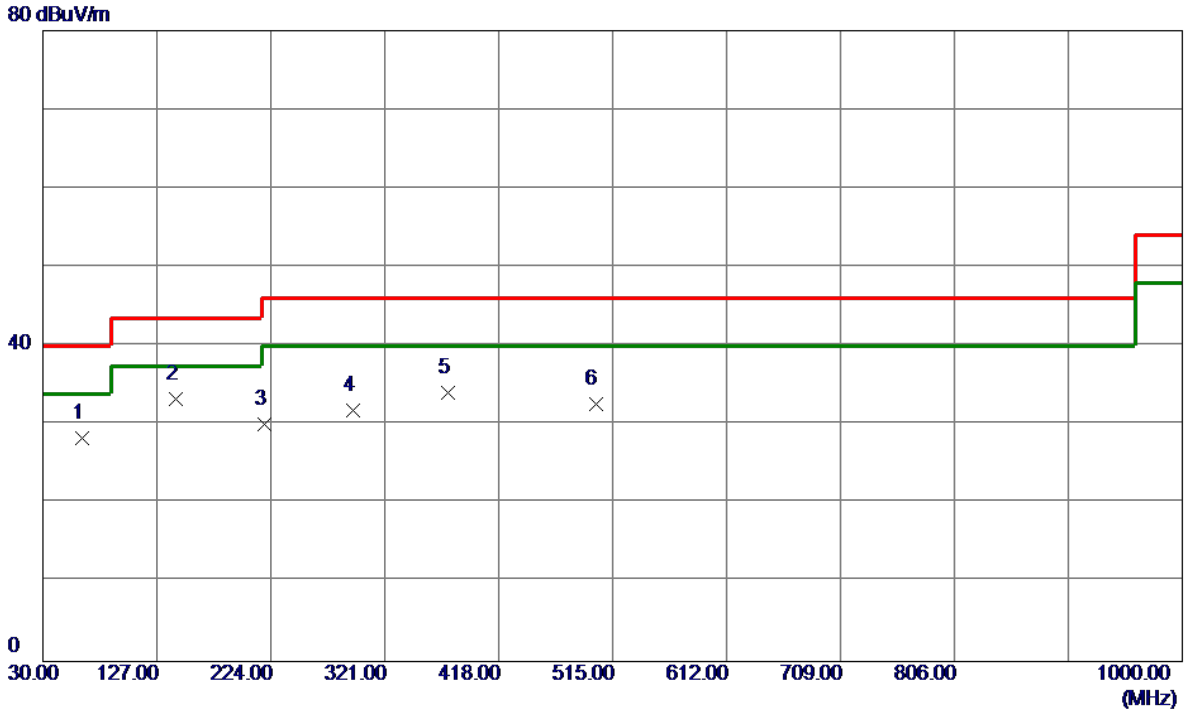


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2481	25.70	17.06	42.76	99.71	-56.95	AVG	
2	*	0.9481	22.60	16.65	39.25	68.07	-28.82	QP	
3		2.1552	21.80	17.02	38.82	69.54	-30.72	QP	

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

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

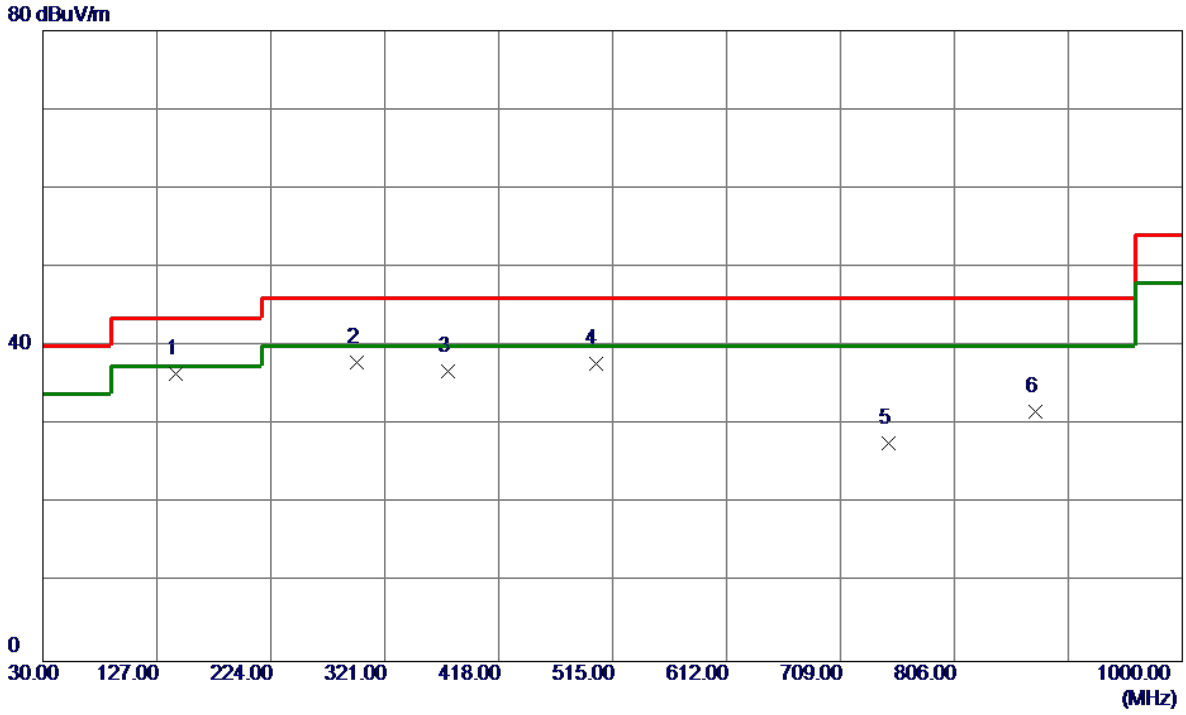
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	62.9800	44.80	-16.41	28.39	40.00	-11.61	Peak	
2 *	143.4900	45.53	-12.19	33.34	43.50	-10.16	Peak	
3	218.1800	45.30	-15.29	30.01	46.00	-15.99	Peak	
4	293.8400	42.99	-11.16	31.83	46.00	-14.17	Peak	
5	375.3200	44.83	-10.71	34.12	46.00	-11.88	Peak	
6	500.4500	41.72	-9.10	32.62	46.00	-13.38	Peak	

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

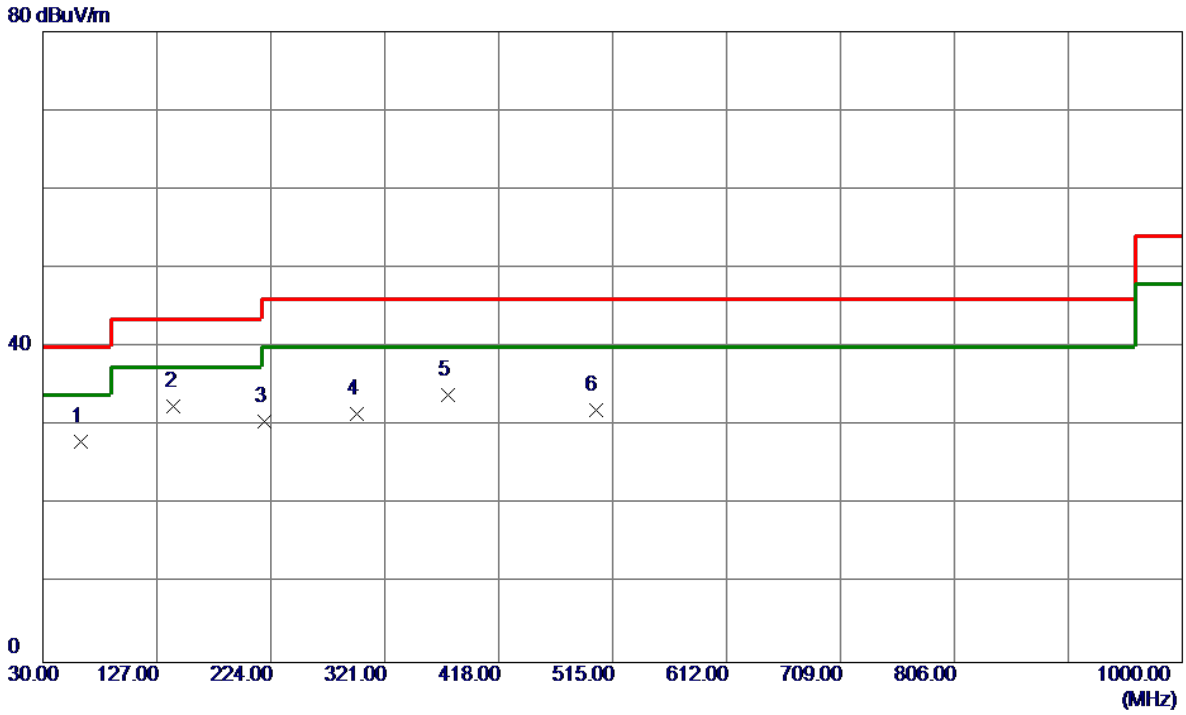
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	143.4900	48.60	-12.19	36.41	43.50	-7.09	Peak	
2	297.7200	48.80	-10.94	37.86	46.00	-8.14	Peak	
3	375.3200	47.57	-10.71	36.86	46.00	-9.14	Peak	
4	500.4500	46.84	-9.10	37.74	46.00	-8.26	Peak	
5	749.7400	32.52	-4.81	27.71	46.00	-18.29	Peak	
6	874.8700	33.78	-2.08	31.70	46.00	-14.30	Peak	

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

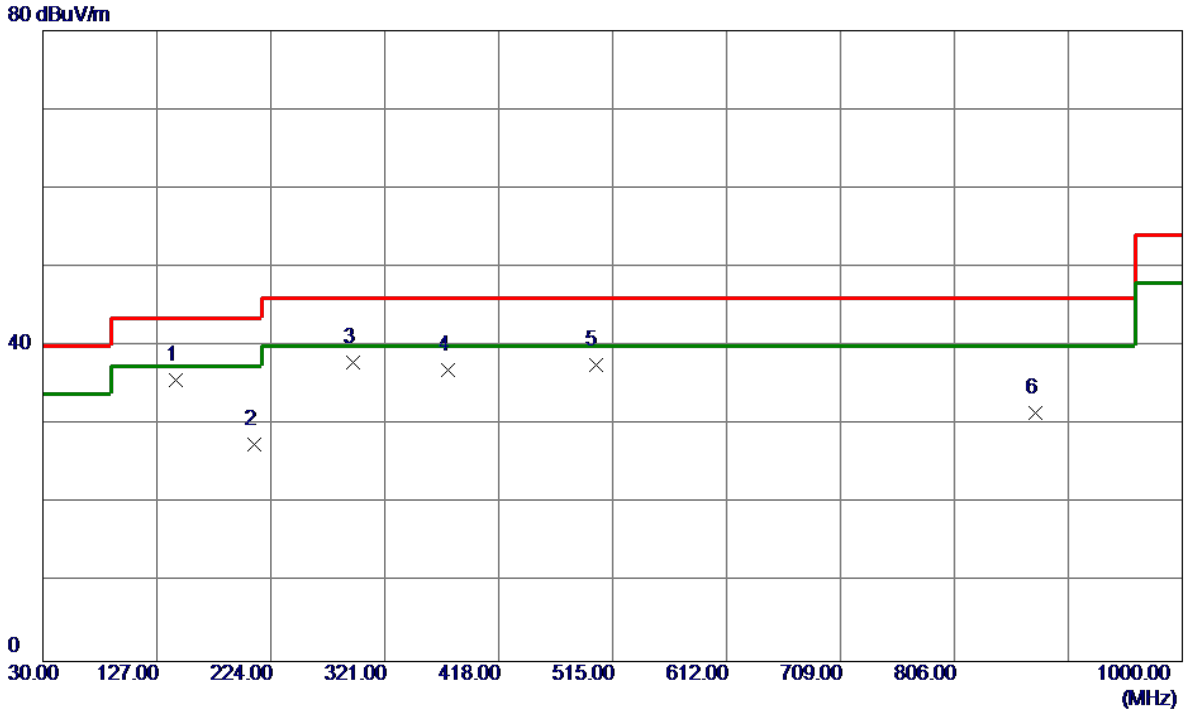
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	62.0100	44.19	-16.24	27.95	40.00	-12.05	Peak	
2 *	141.5500	44.74	-12.31	32.43	43.50	-11.07	Peak	
3	218.1800	45.89	-15.29	30.60	46.00	-15.40	Peak	
4	297.7200	42.51	-10.94	31.57	46.00	-14.43	Peak	
5	375.3200	44.59	-10.71	33.88	46.00	-12.12	Peak	
6	500.4500	41.09	-9.10	31.99	46.00	-14.01	Peak	

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

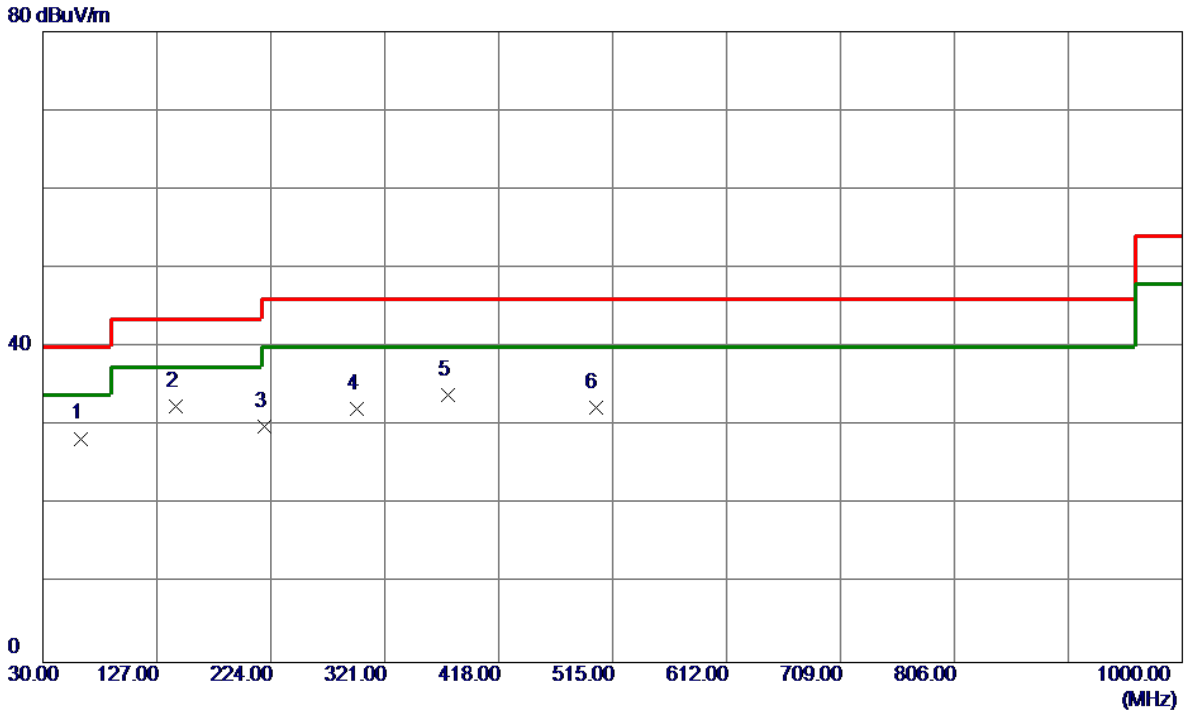
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	143.4900	47.92	-12.19	35.73	43.50	-7.77	Peak	
2	210.4200	43.07	-15.58	27.49	43.50	-16.01	Peak	
3	293.8400	49.14	-11.16	37.98	46.00	-8.02	Peak	
4	375.3200	47.60	-10.71	36.89	46.00	-9.11	Peak	
5	500.4500	46.67	-9.10	37.57	46.00	-8.43	Peak	
6	874.8700	33.62	-2.08	31.54	46.00	-14.46	Peak	

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

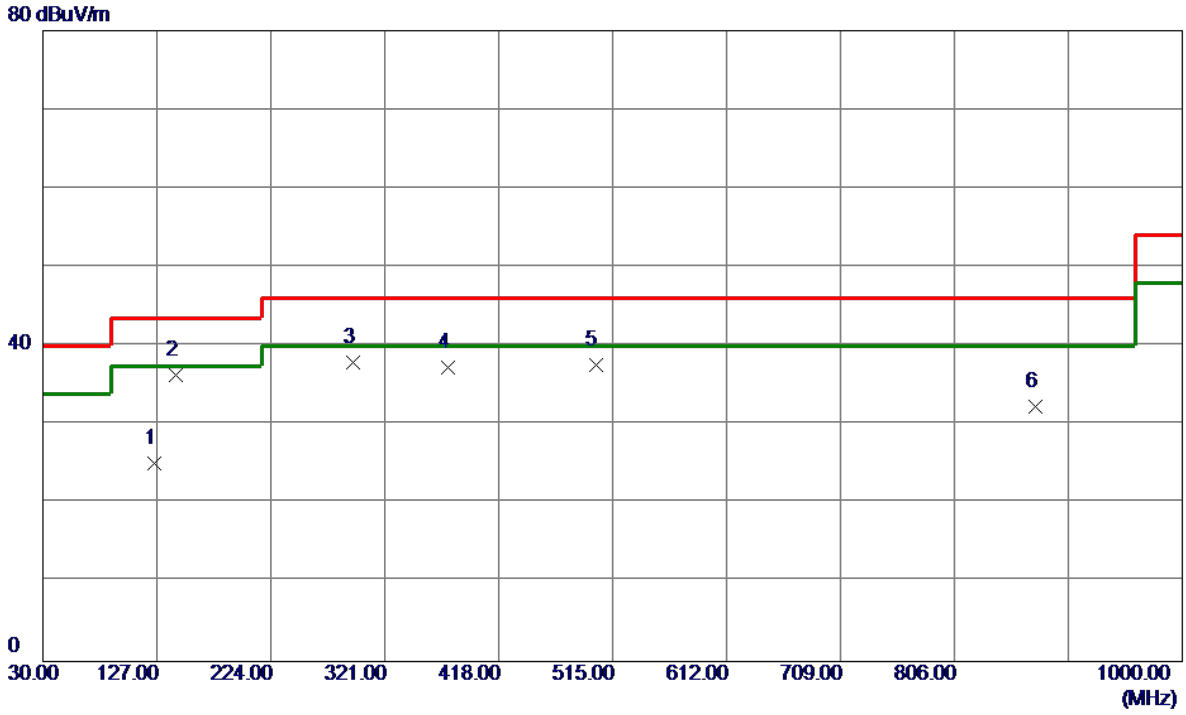
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	62.0100	44.64	-16.24	28.40	40.00	-11.60	Peak	
2 *	143.4900	44.73	-12.19	32.54	43.50	-10.96	Peak	
3	218.1800	45.21	-15.29	29.92	46.00	-16.08	Peak	
4	297.7200	43.09	-10.94	32.15	46.00	-13.85	Peak	
5	375.3200	44.68	-10.71	33.97	46.00	-12.03	Peak	
6	500.4500	41.41	-9.10	32.31	46.00	-13.69	Peak	

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

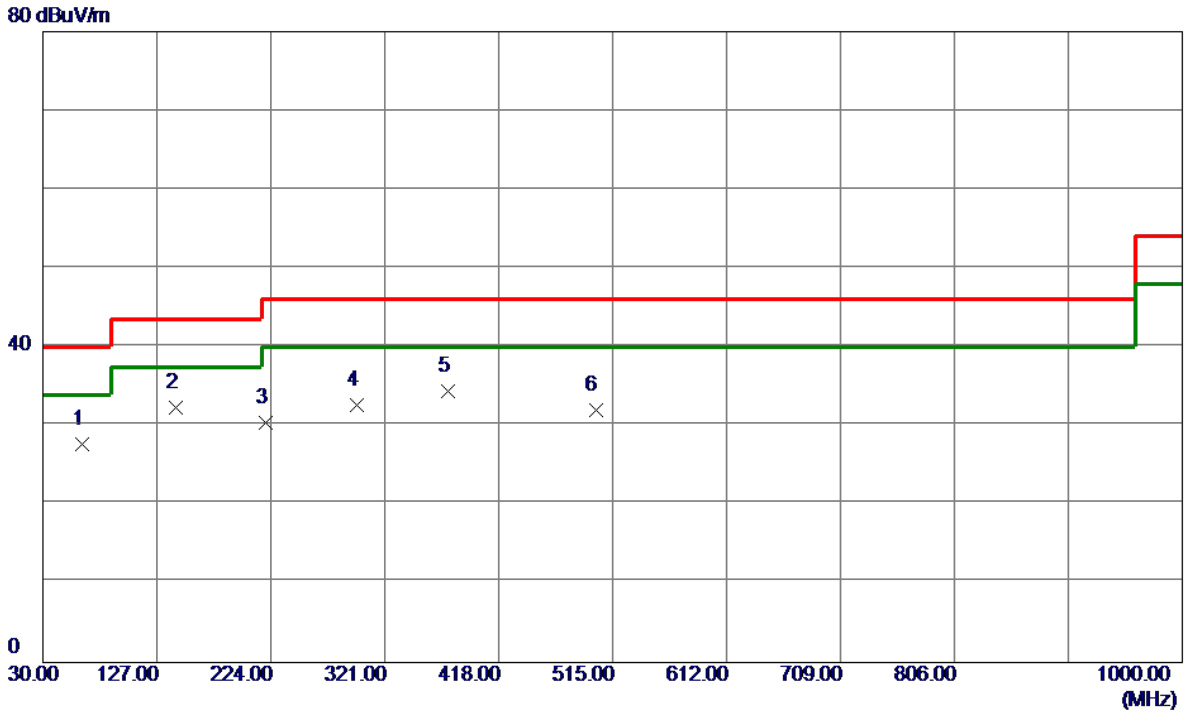
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	125.0600	39.41	-14.32	25.09	43.50	-18.41	Peak	
2 *	143.4900	48.56	-12.19	36.37	43.50	-7.13	Peak	
3	293.8400	49.13	-11.16	37.97	46.00	-8.03	Peak	
4	375.3200	47.99	-10.71	37.28	46.00	-8.72	Peak	
5	500.4500	46.77	-9.10	37.67	46.00	-8.33	Peak	
6	874.8700	34.42	-2.08	32.34	46.00	-13.66	Peak	

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

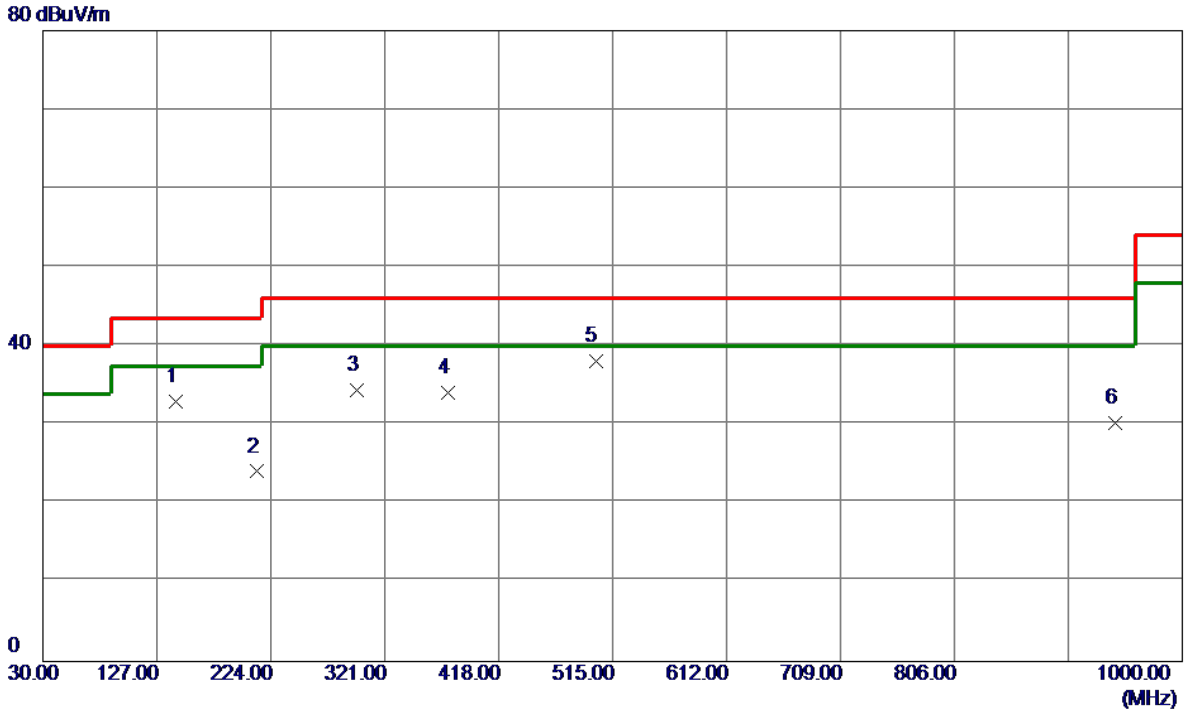
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	62.9800	44.13	-16.41	27.72	40.00	-12.28	Peak	
2 *	143.4900	44.50	-12.19	32.31	43.50	-11.19	Peak	
3	220.1200	45.67	-15.22	30.45	46.00	-15.55	Peak	
4	297.7200	43.53	-10.94	32.59	46.00	-13.41	Peak	
5	375.3200	45.09	-10.71	34.38	46.00	-11.62	Peak	
6	500.4500	41.05	-9.10	31.95	46.00	-14.05	Peak	

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

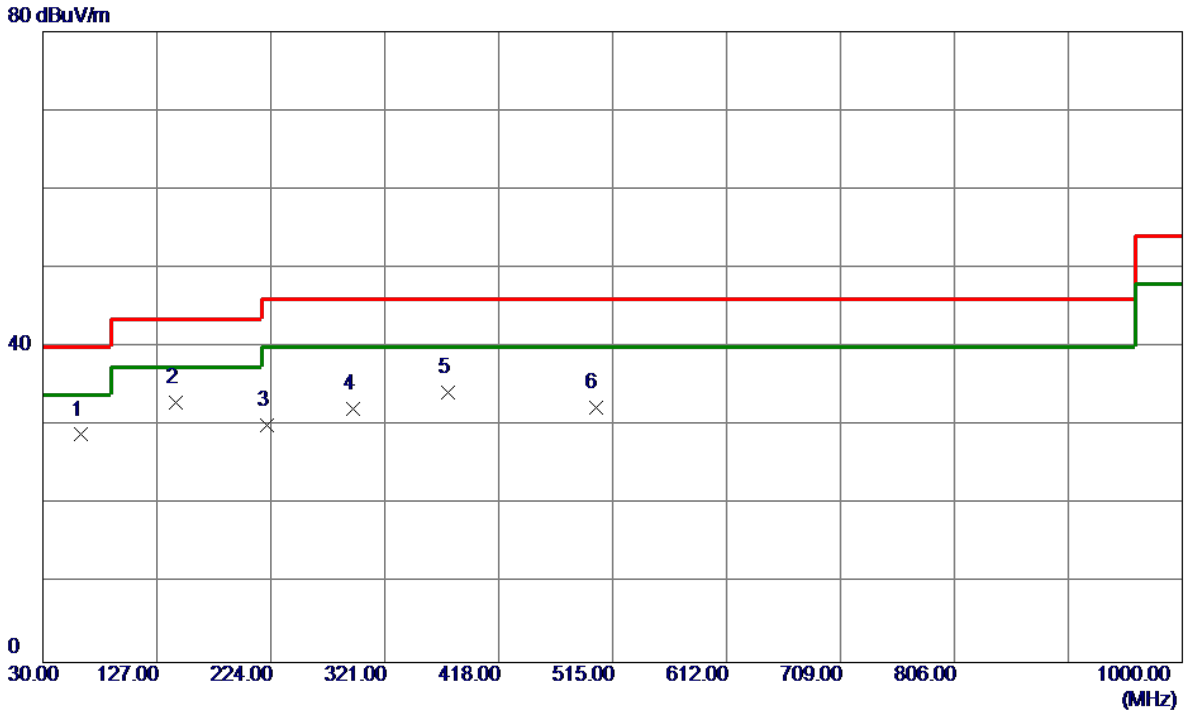
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	143.4900	45.08	-12.19	32.89	43.50	-10.61	Peak	
2	212.3600	39.59	-15.51	24.08	43.50	-19.42	Peak	
3	297.7200	45.35	-10.94	34.41	46.00	-11.59	Peak	
4	375.3200	44.79	-10.71	34.08	46.00	-11.92	Peak	
5 *	500.4500	47.23	-9.10	38.13	46.00	-7.87	Peak	
6	942.7700	30.06	0.21	30.27	46.00	-15.73	Peak	

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

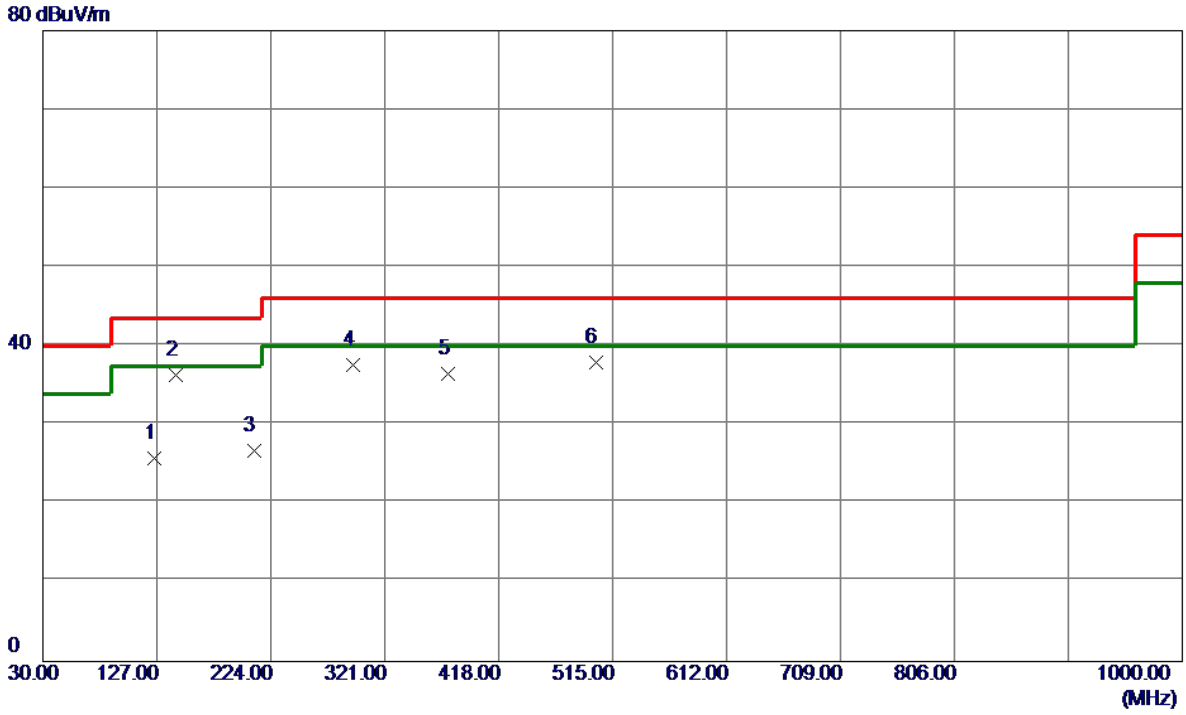
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	62.0100	45.12	-16.24	28.88	40.00	-11.12	Peak	
2 *	143.4900	45.11	-12.19	32.92	43.50	-10.58	Peak	
3	221.0900	45.25	-15.23	30.02	46.00	-15.98	Peak	
4	293.8400	43.35	-11.16	32.19	46.00	-13.81	Peak	
5	375.3200	45.01	-10.71	34.30	46.00	-11.70	Peak	
6	500.4500	41.39	-9.10	32.29	46.00	-13.71	Peak	

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

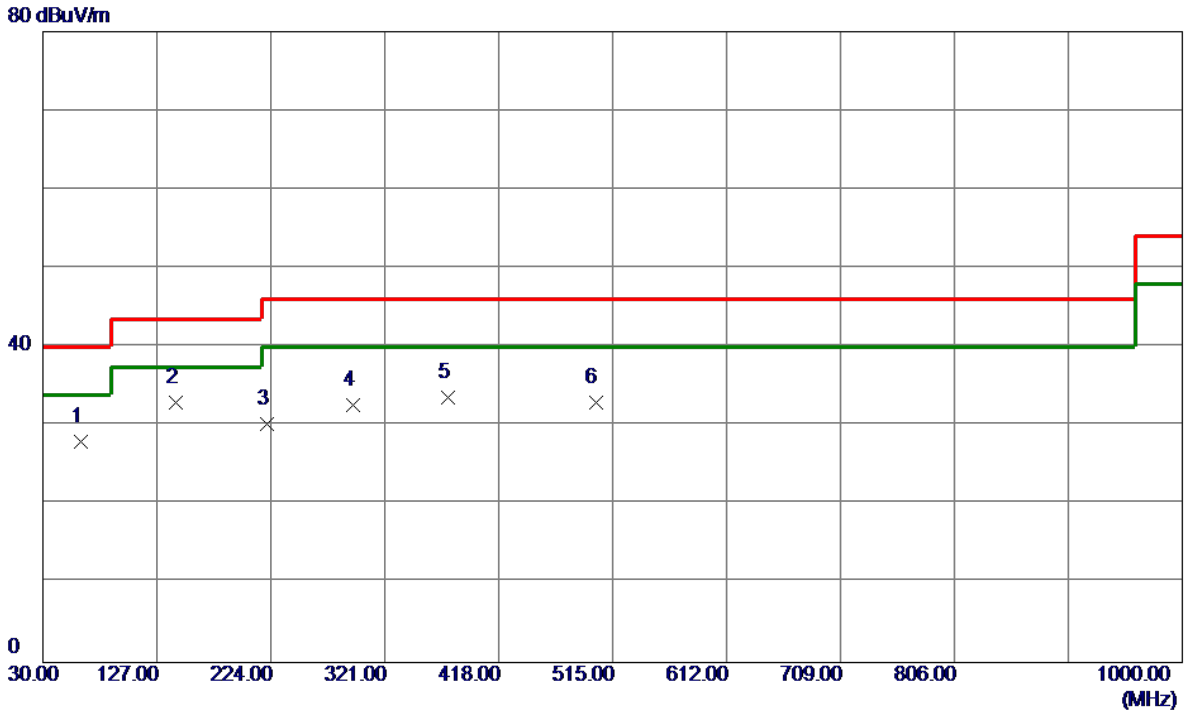
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	125.0600	40.14	-14.32	25.82	43.50	-17.68	Peak	
2 *	143.4900	48.56	-12.19	36.37	43.50	-7.13	Peak	
3	209.4500	42.36	-15.59	26.77	43.50	-16.73	Peak	
4	293.8400	48.78	-11.16	37.62	46.00	-8.38	Peak	
5	375.3200	47.16	-10.71	36.45	46.00	-9.55	Peak	
6	500.4500	46.98	-9.10	37.88	46.00	-8.12	Peak	

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

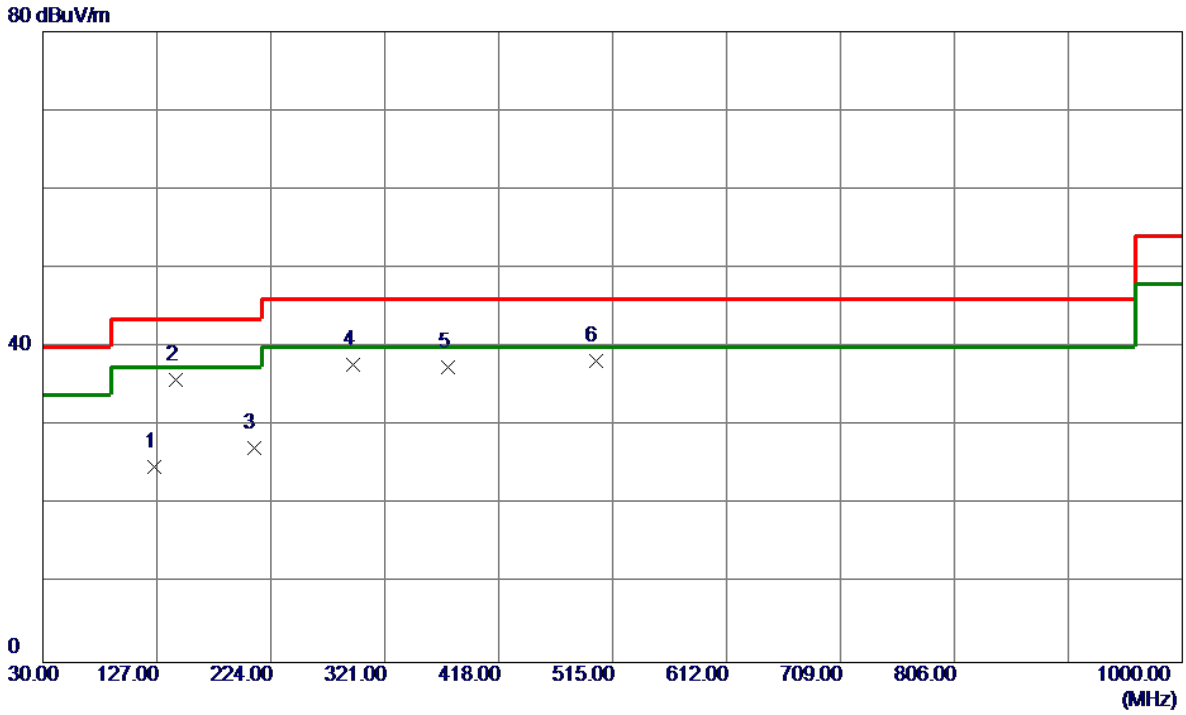
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	62.0100	44.19	-16.24	27.95	40.00	-12.05	Peak	
2 *	143.4900	45.11	-12.19	32.92	43.50	-10.58	Peak	
3	221.0900	45.41	-15.23	30.18	46.00	-15.82	Peak	
4	293.8400	43.76	-11.16	32.60	46.00	-13.40	Peak	
5	375.3200	44.30	-10.71	33.59	46.00	-12.41	Peak	
6	500.4500	42.08	-9.10	32.98	46.00	-13.02	Peak	

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

Horizontal

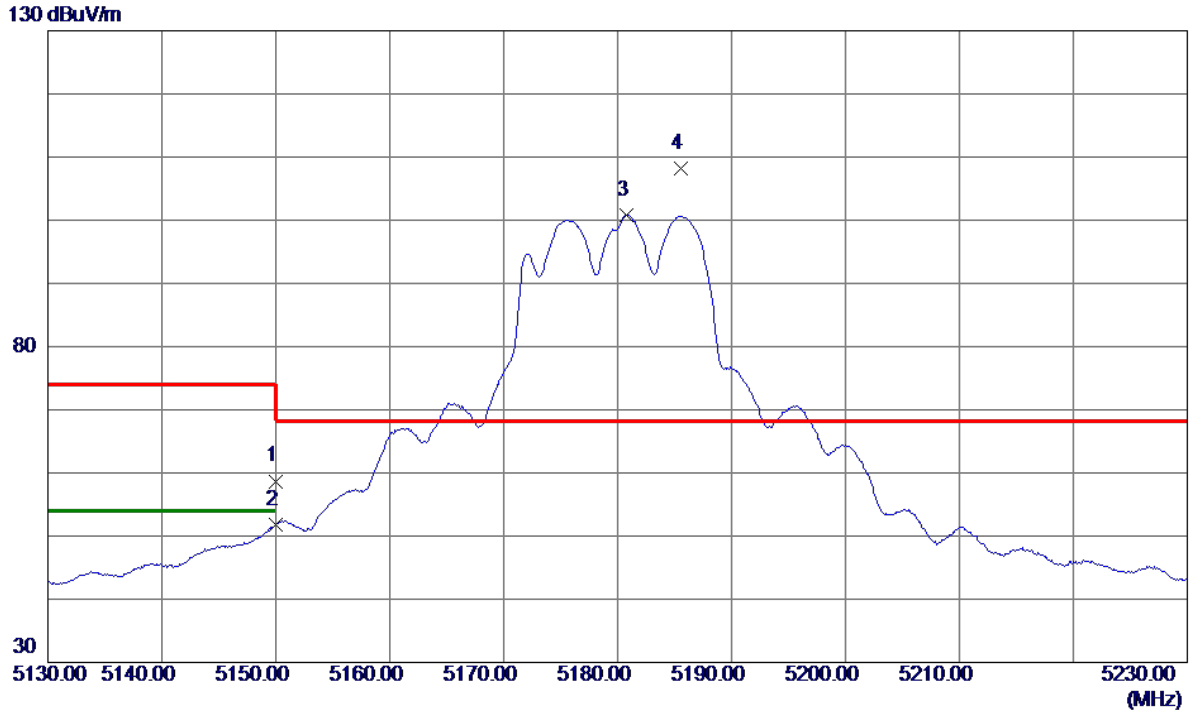


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	125.0600	39.18	-14.32	24.86	43.50	-18.64	Peak	
2 *	143.4900	48.10	-12.19	35.91	43.50	-7.59	Peak	
3	209.4500	42.81	-15.59	27.22	43.50	-16.28	Peak	
4	293.8400	48.99	-11.16	37.83	46.00	-8.17	Peak	
5	375.3200	48.13	-10.71	37.42	46.00	-8.58	Peak	
6	500.4500	47.36	-9.10	38.26	46.00	-7.74	Peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

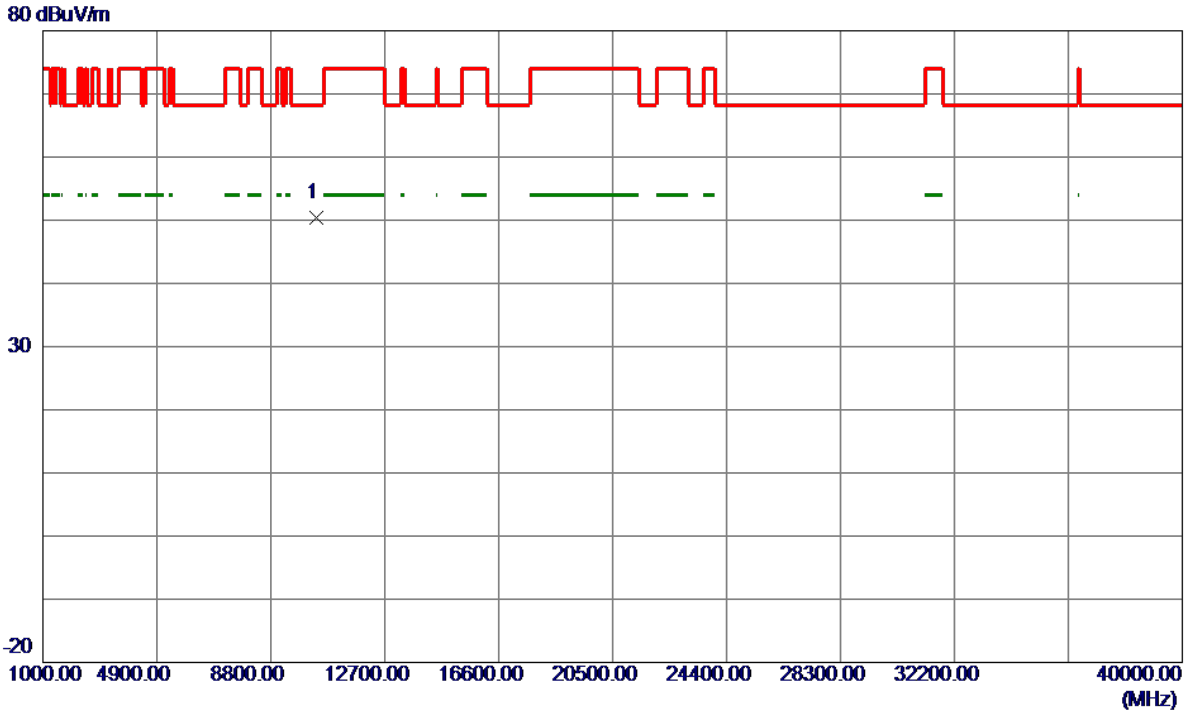
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	42.05	16.65	58.70	74.00	-15.30	Peak	
2	5150.0000	35.07	16.65	51.72	54.00	-2.28	AVG	
3	5180.8000	84.08	16.73	100.81	999.00	-898.19	AVG	No Limit
4 *	5185.6000	91.46	16.75	108.21	68.30	39.91	Peak	No Limit

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

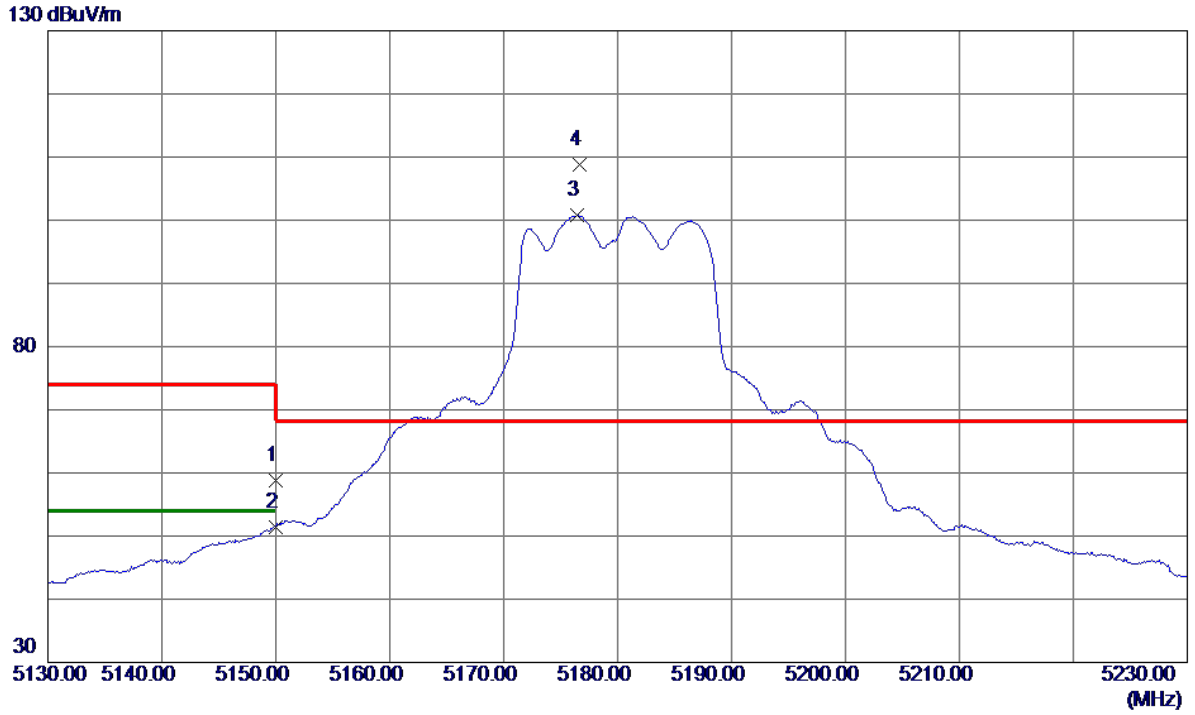
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10363.1500	35.61	14.85	50.46	68.30	-17.84	Peak	

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

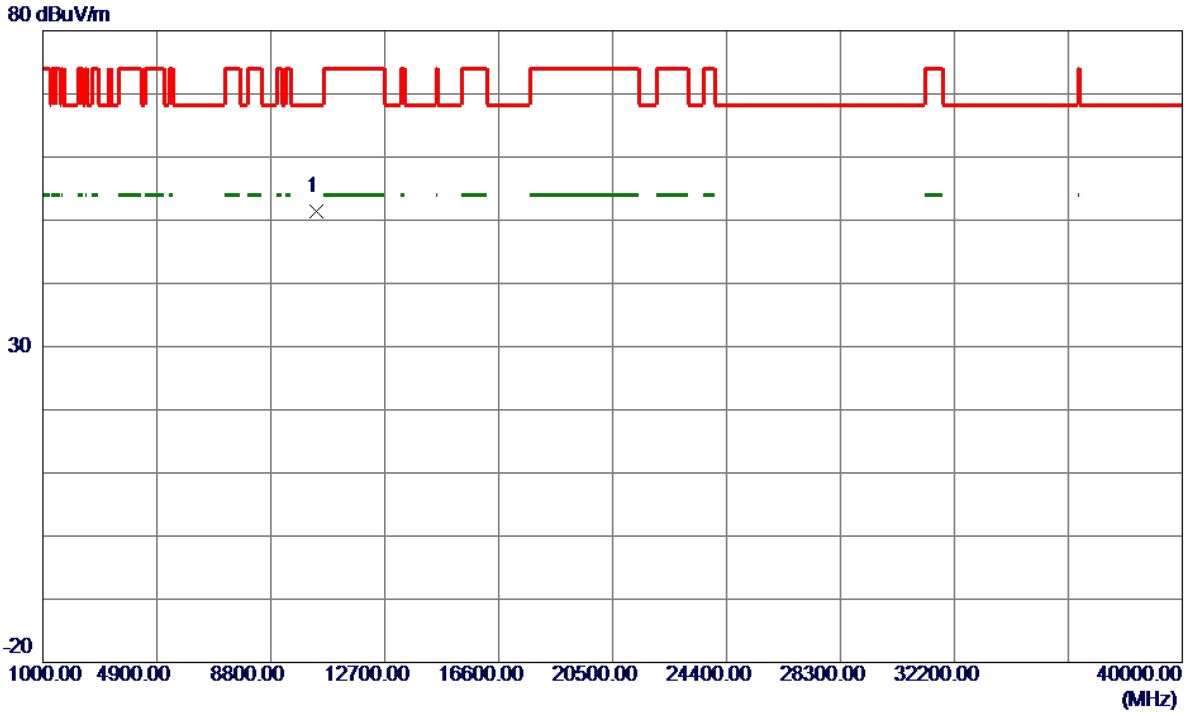
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	42.19	16.65	58.84	74.00	-15.16	Peak	
2	5150.0000	34.83	16.65	51.48	54.00	-2.52	AVG	
3	5176.4000	84.00	16.72	100.72	999.00	-898.28	AVG	No Limit
4 *	5176.7000	92.14	16.72	108.86	68.30	40.56	Peak	No Limit

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

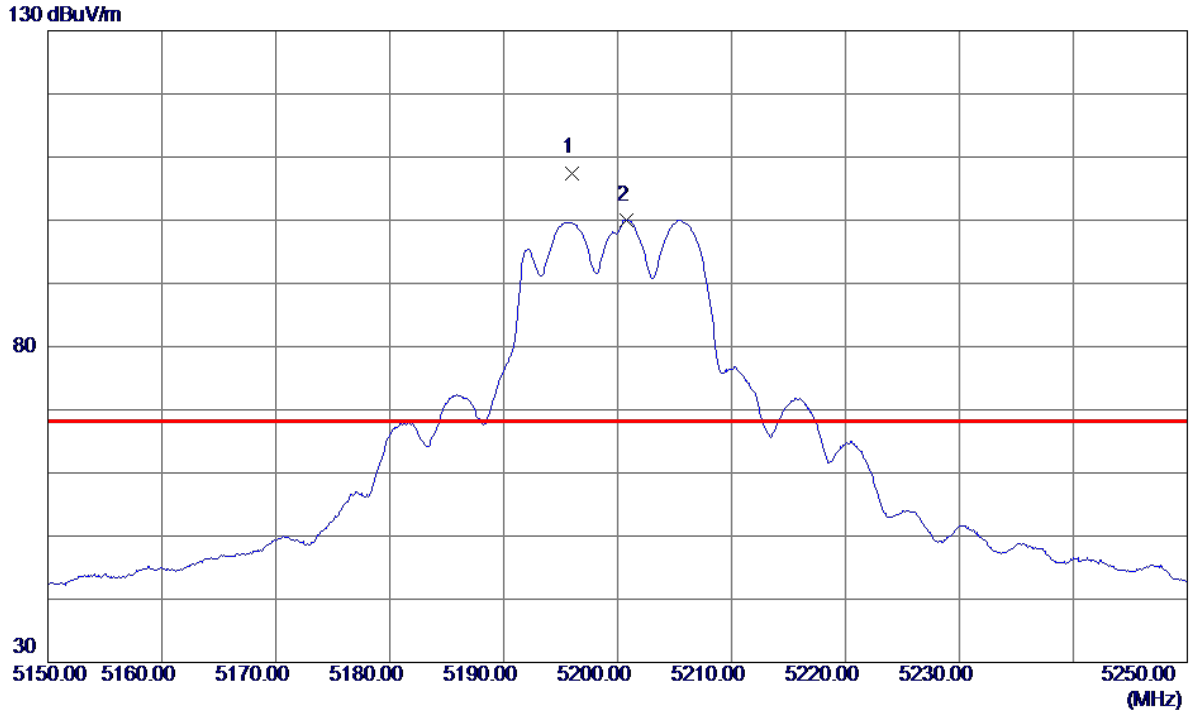
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.4500	36.55	14.85	51.40	68.30	-16.90	Peak	

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

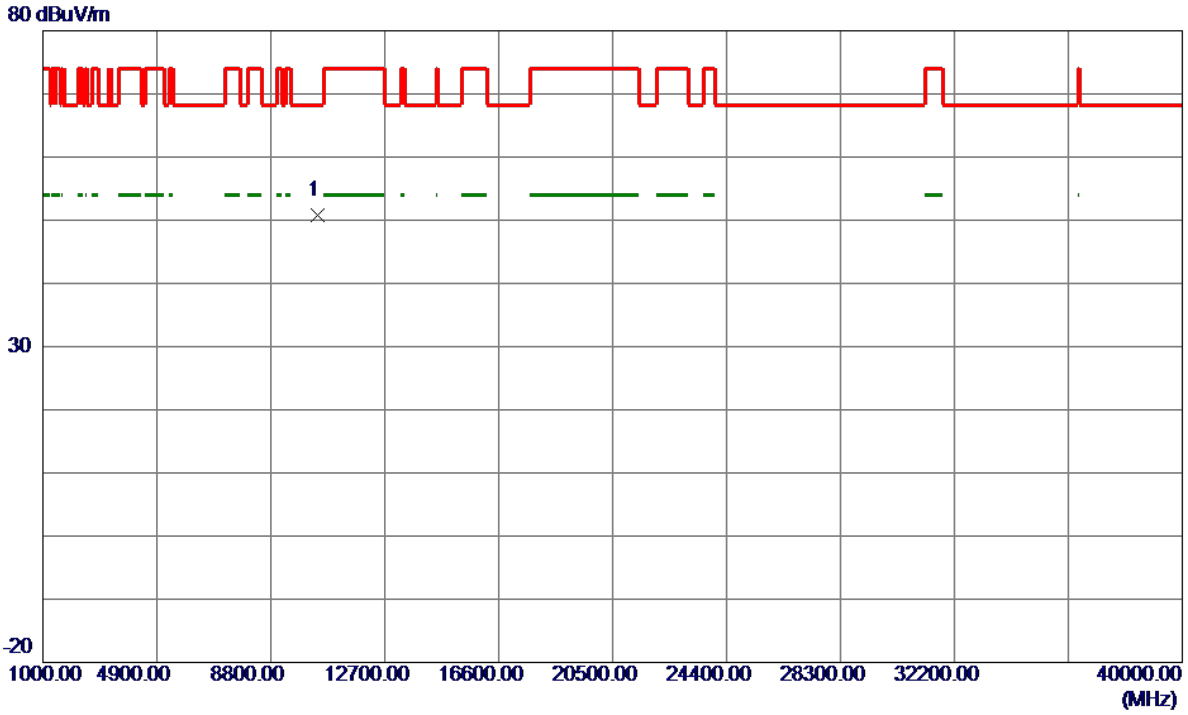
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5196.0000	90.72	16.78	107.50	68.30	39.20	Peak	No Limit
2	5200.8000	83.25	16.79	100.04	999.00	-898.96	AVG	No Limit

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

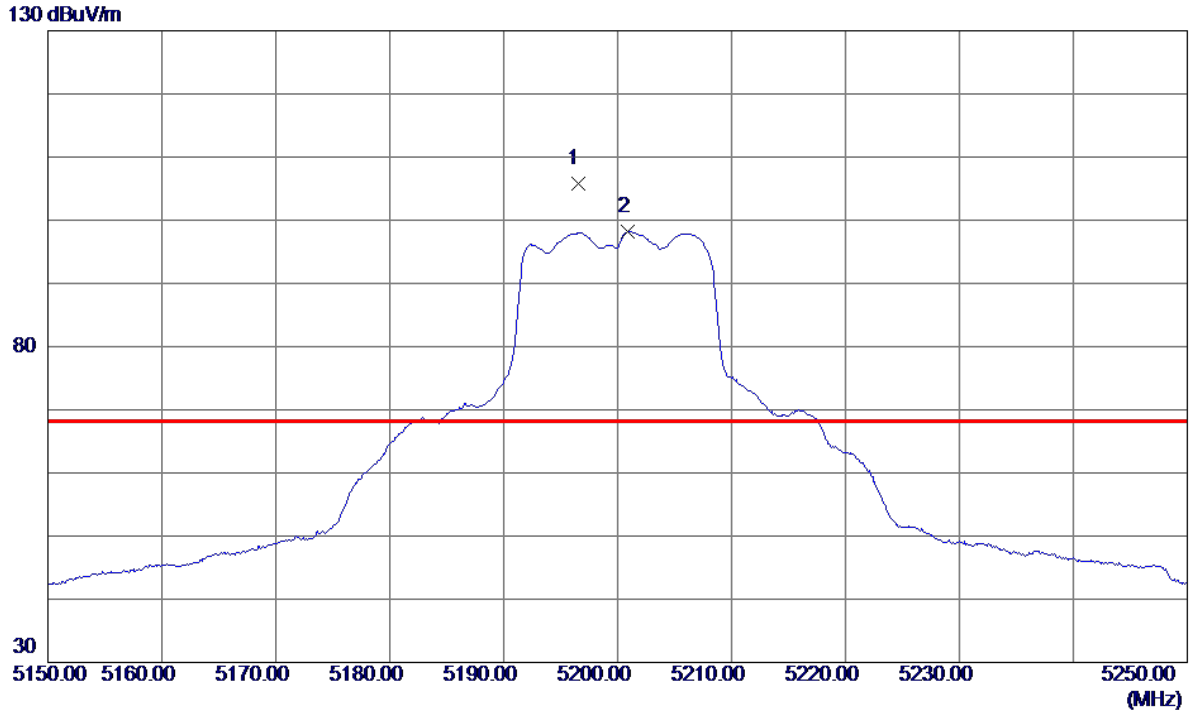
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10401.5000	35.97	14.92	50.89	68.30	-17.41	Peak	

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

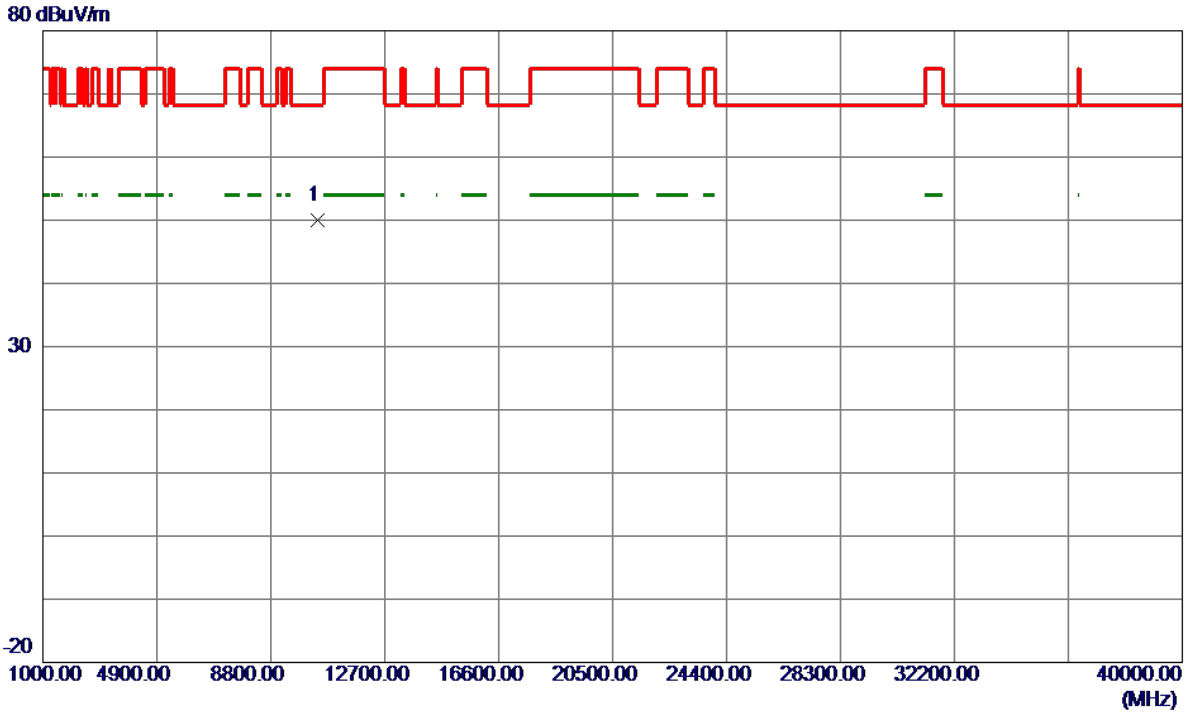
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5196.5000	89.11	16.78	105.89	68.30	37.59	Peak	No Limit
2	5200.9000	81.46	16.79	98.25	999.00	-900.75	AVG	No Limit

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

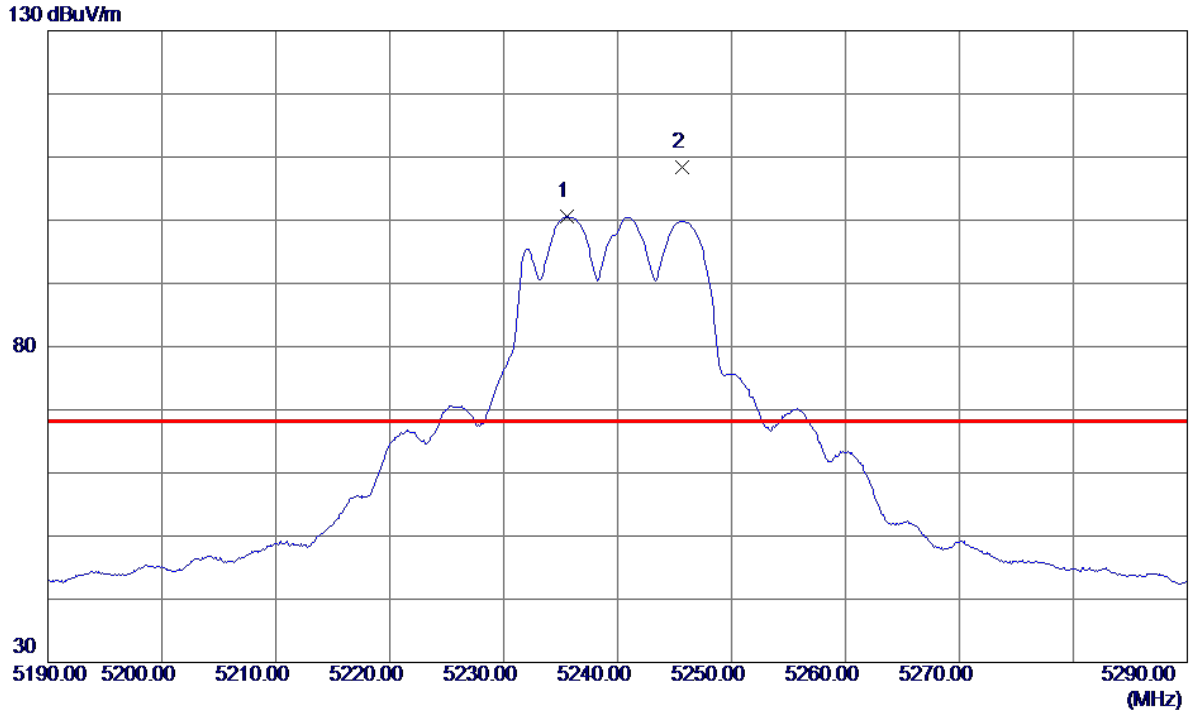
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10395.5500	35.10	14.91	50.01	68.30	-18.29	Peak	

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

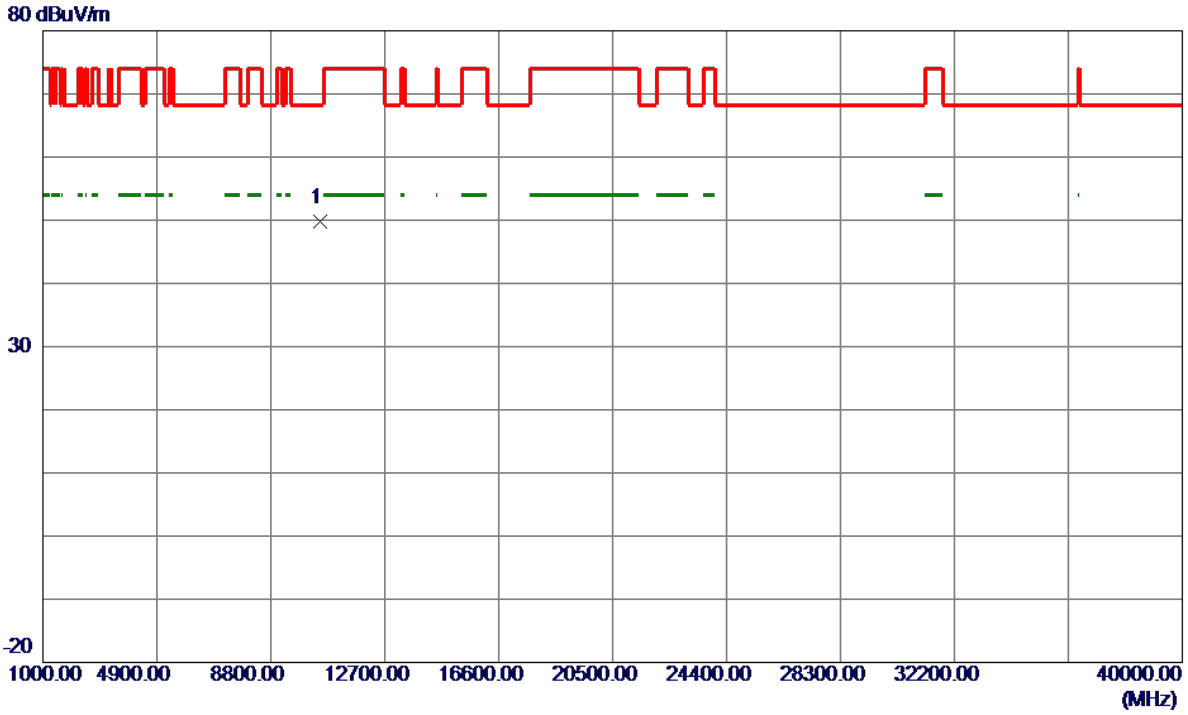
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5235.6000	83.71	16.89	100.60	999.00	-898.40	AVG	No Limit
2 *	5245.7000	91.57	16.92	108.49	68.30	40.19	Peak	No Limit

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

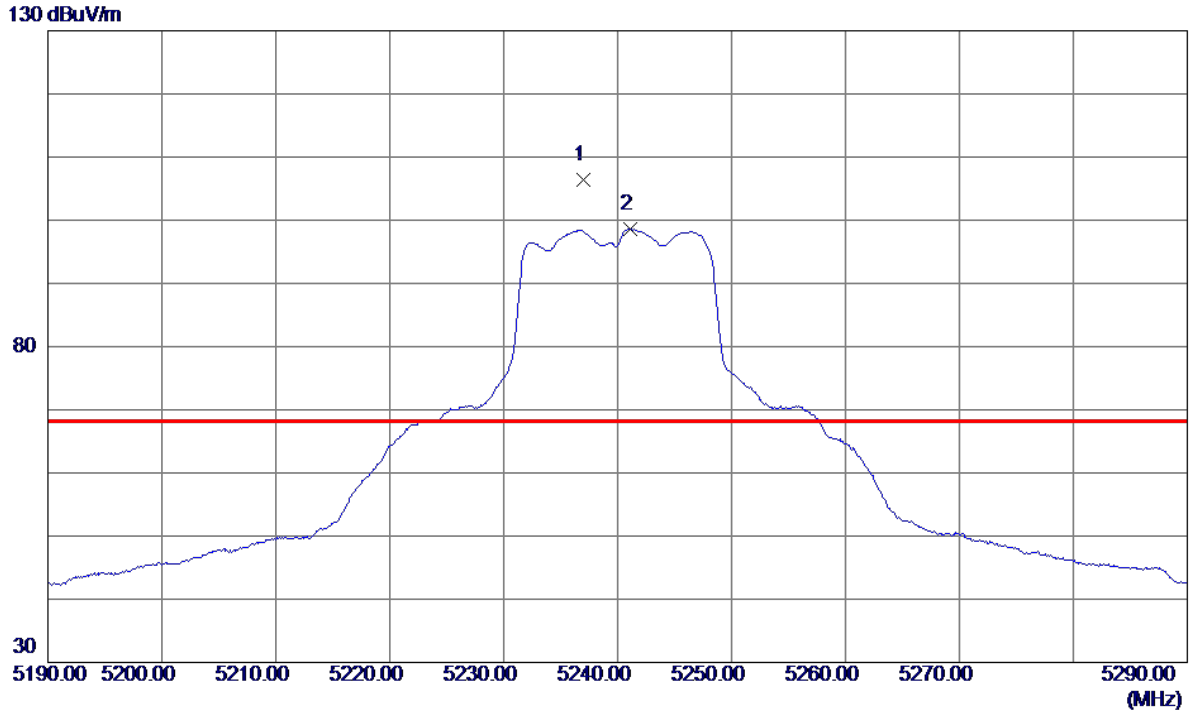
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10486.8000	34.63	15.07	49.70	68.30	-18.60	Peak	

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

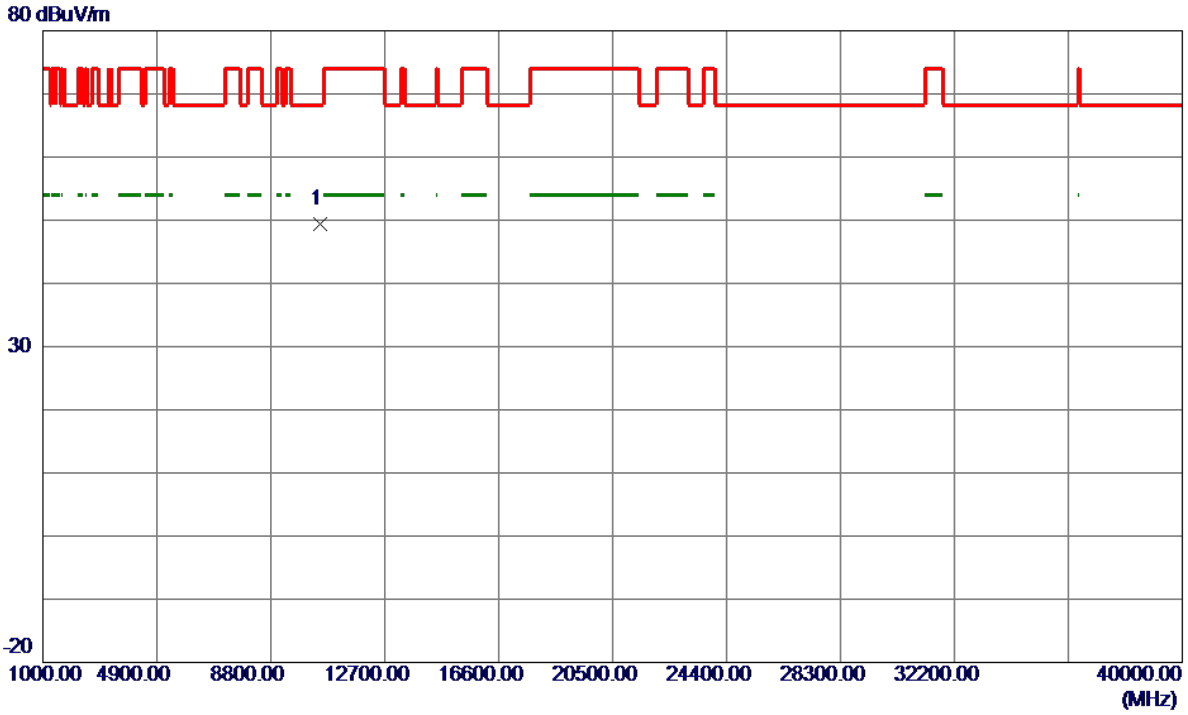
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5237.0000	89.42	16.89	106.31	68.30	38.01	Peak	No Limit
2	5241.1000	81.74	16.90	98.64	999.00	-900.36	AVG	No Limit

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

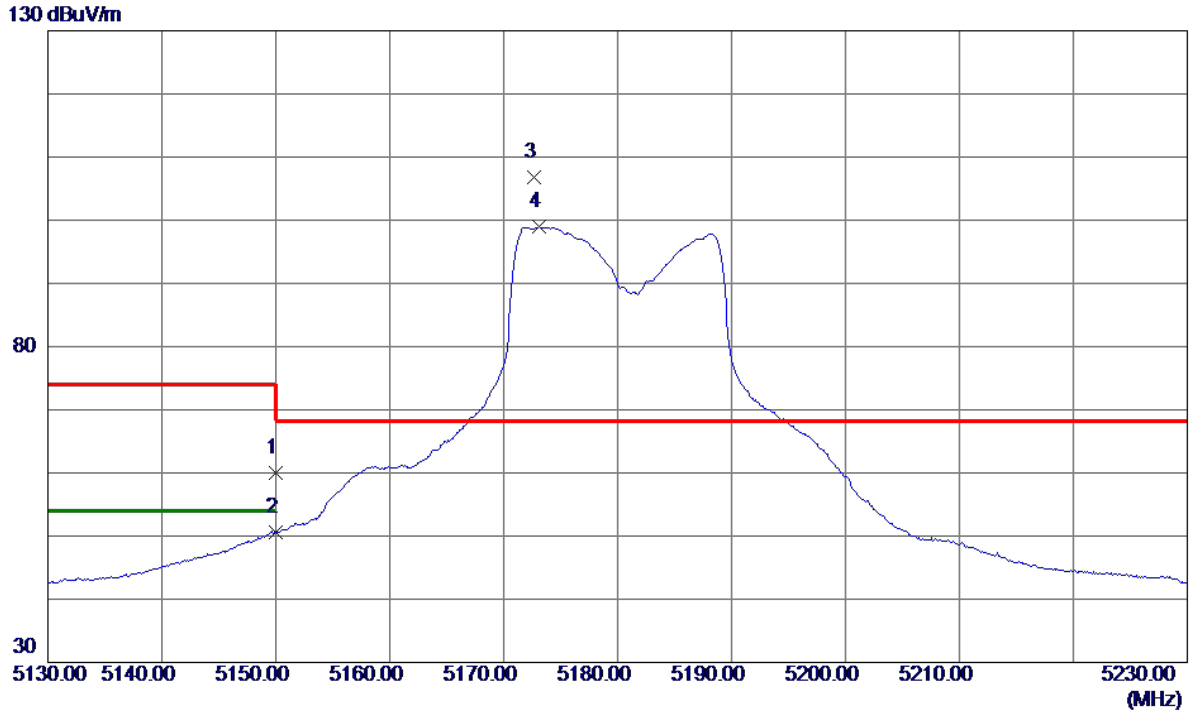
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10474.3500	34.38	15.05	49.43	68.30	-18.87	Peak	

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

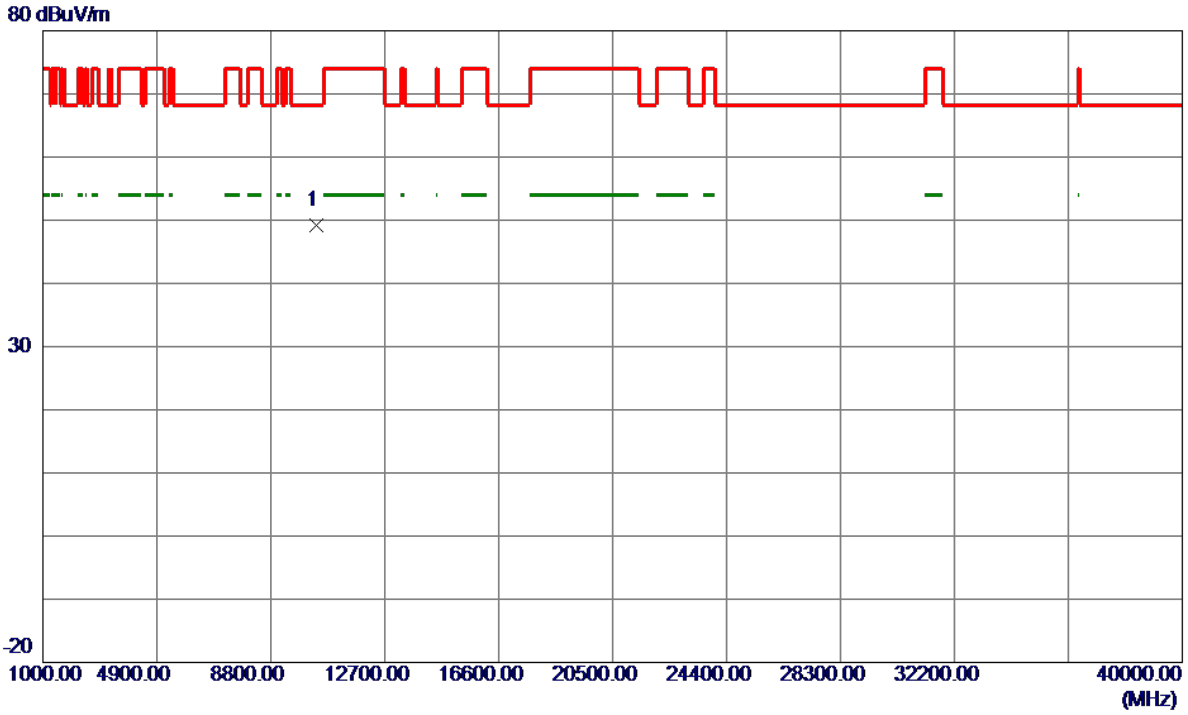
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	43.29	16.65	59.94	74.00	-14.06	Peak	
2	5150.0000	33.93	16.65	50.58	54.00	-3.42	AVG	
3 *	5172.7000	90.13	16.71	106.84	68.30	38.54	Peak	No Limit
4	5173.1000	82.19	16.71	98.90	999.00	-900.10	AVG	No Limit

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

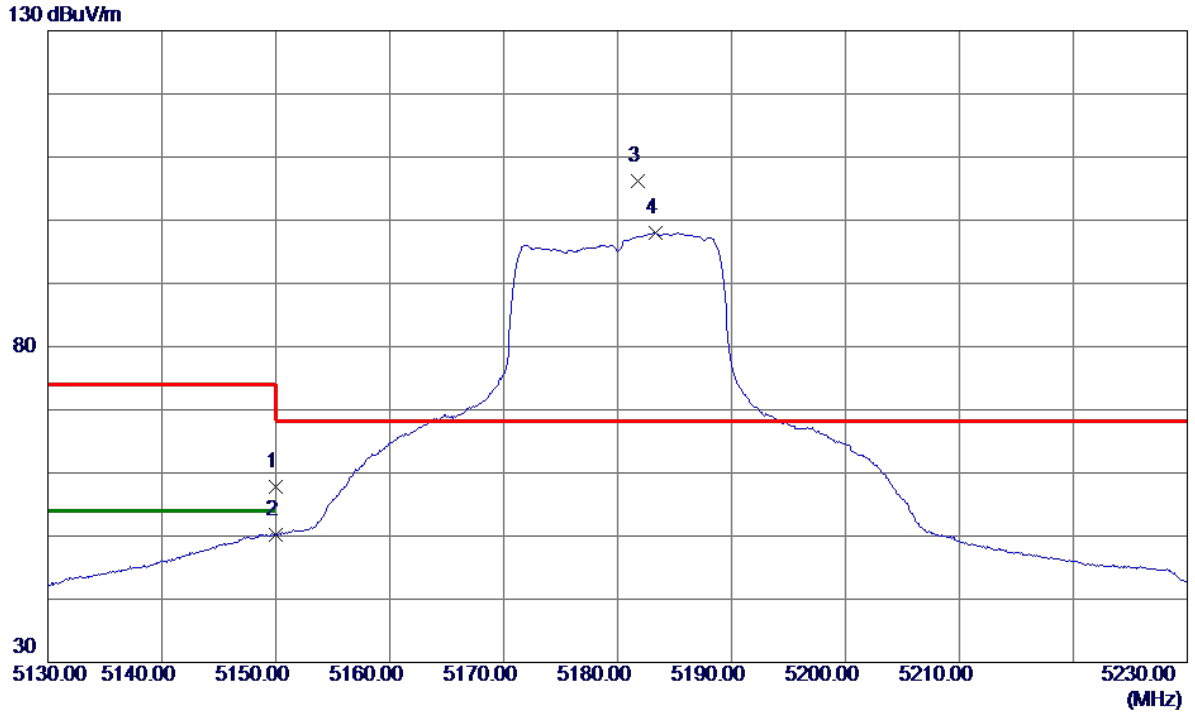
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.6500	34.34	14.85	49.19	68.30	-19.11	Peak	

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

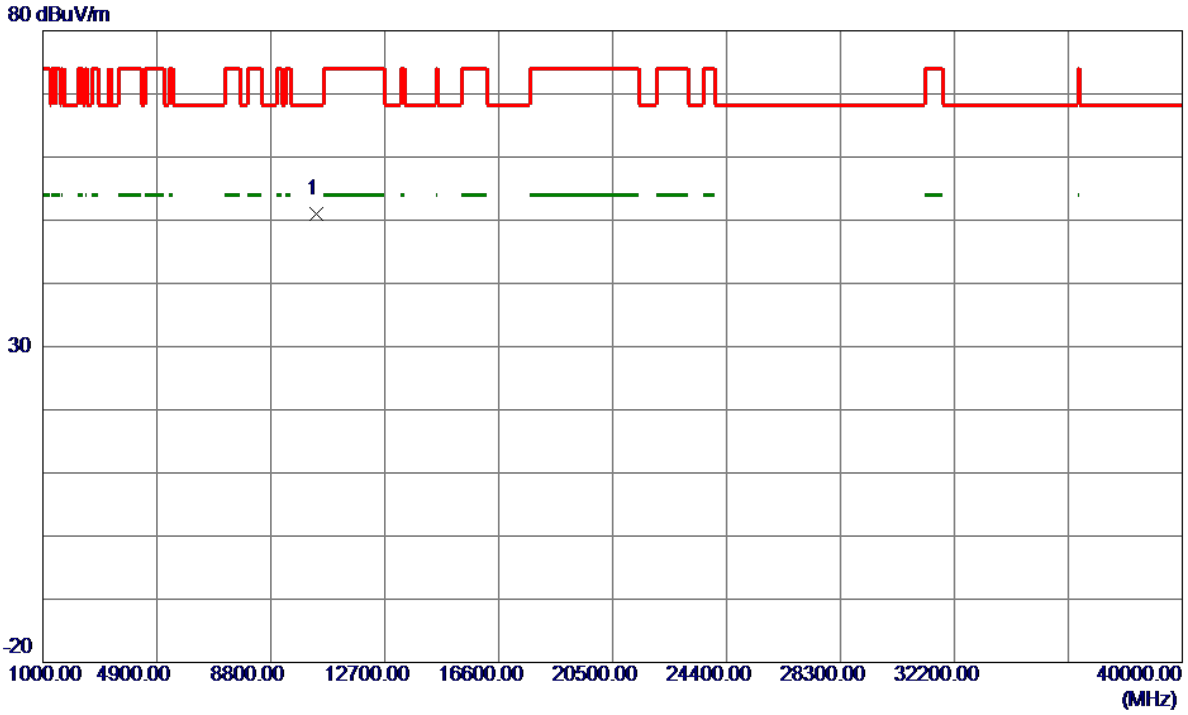
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	41.13	16.65	57.78	74.00	-16.22	Peak	
2	5150.0000	33.56	16.65	50.21	54.00	-3.79	AVG	
3 *	5181.8000	89.52	16.74	106.26	68.30	37.96	Peak	No Limit
4	5183.3000	81.21	16.74	97.95	999.00	-901.05	AVG	No Limit

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

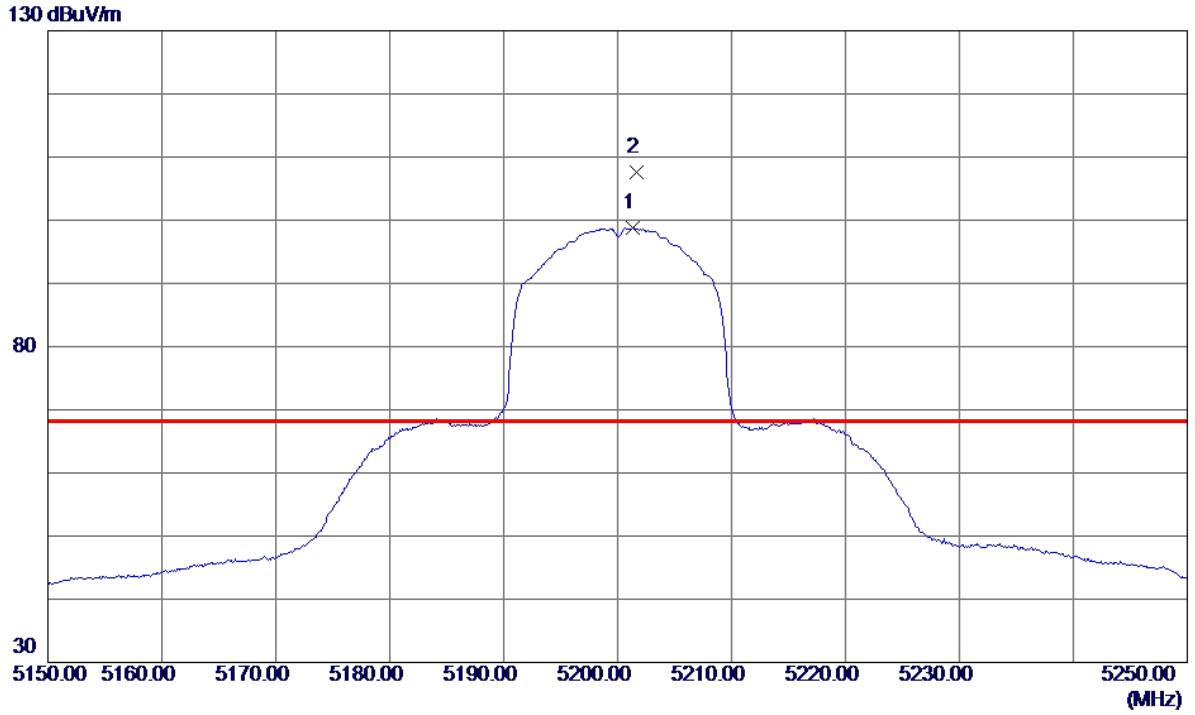
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10364.5000	36.12	14.86	50.98	68.30	-17.32	Peak	

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

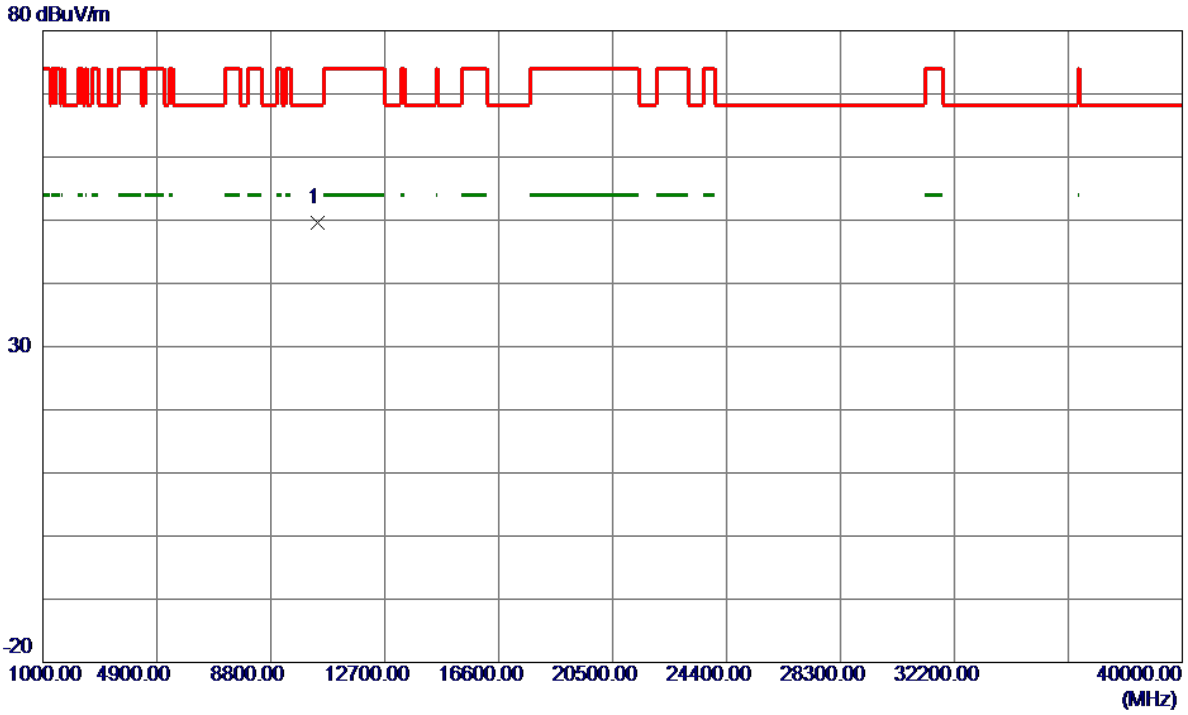
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5201.3000	82.00	16.79	98.79	999.00	-900.21	AVG	No Limit
2 *	5201.7000	90.85	16.79	107.64	68.30	39.34	Peak	No Limit

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

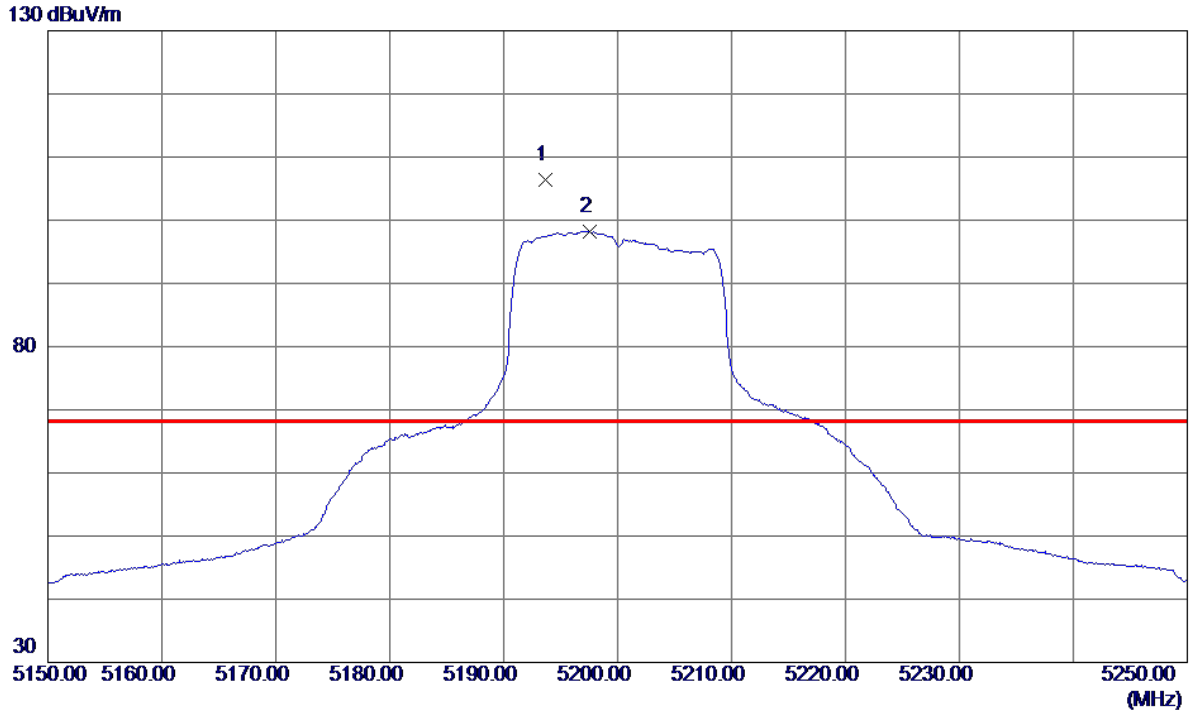
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10410.3500	34.67	14.94	49.61	68.30	-18.69	Peak	

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

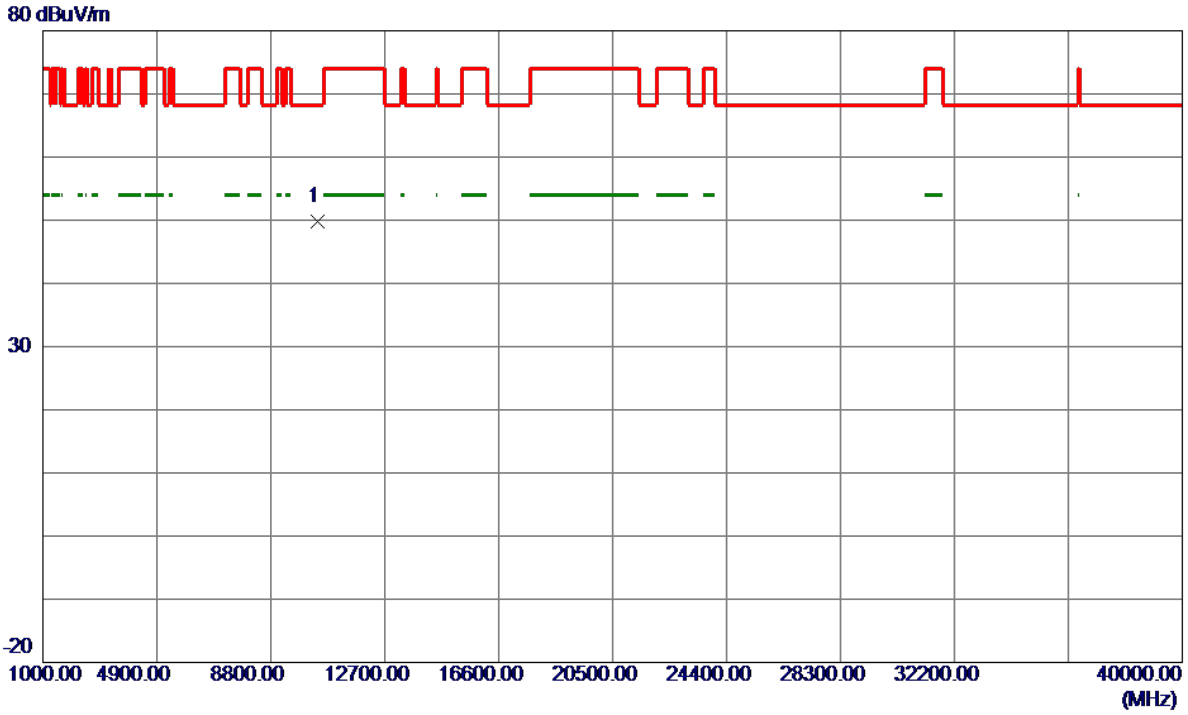
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5193.7000	89.58	16.77	106.35	68.30	38.05	Peak	No Limit
2	5197.6000	81.48	16.78	98.26	999.00	-900.74	AVG	No Limit

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

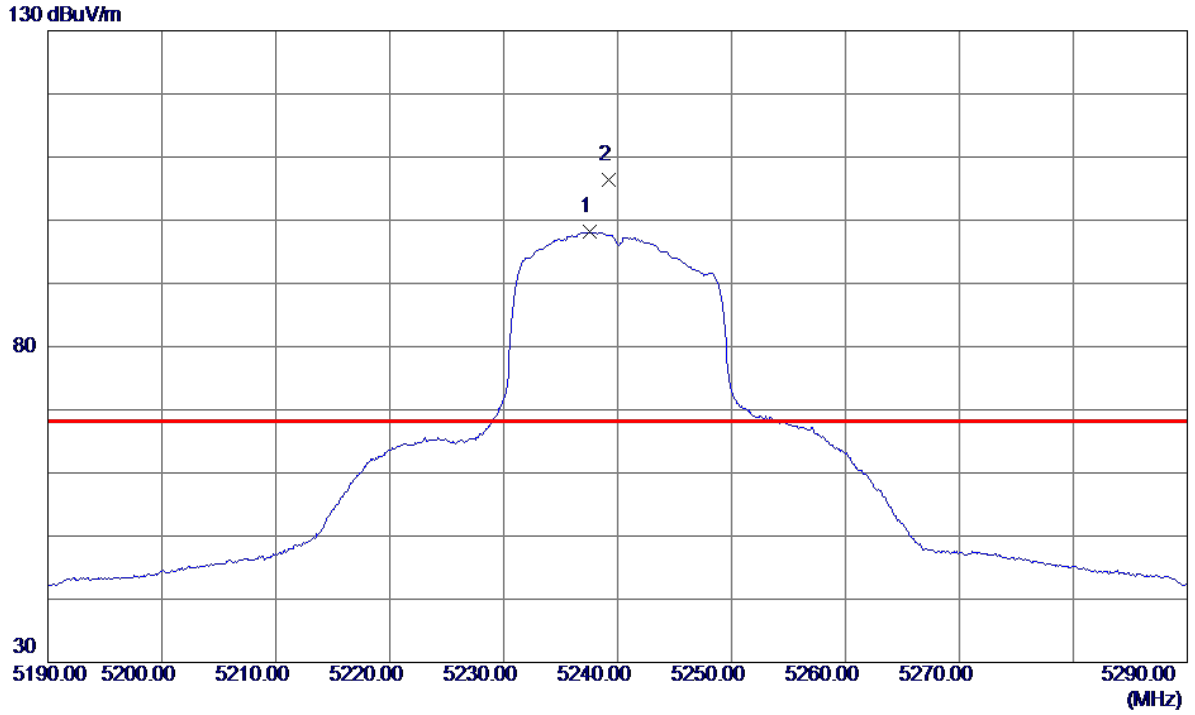
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.7000	34.84	14.92	49.76	68.30	-18.54	Peak	

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

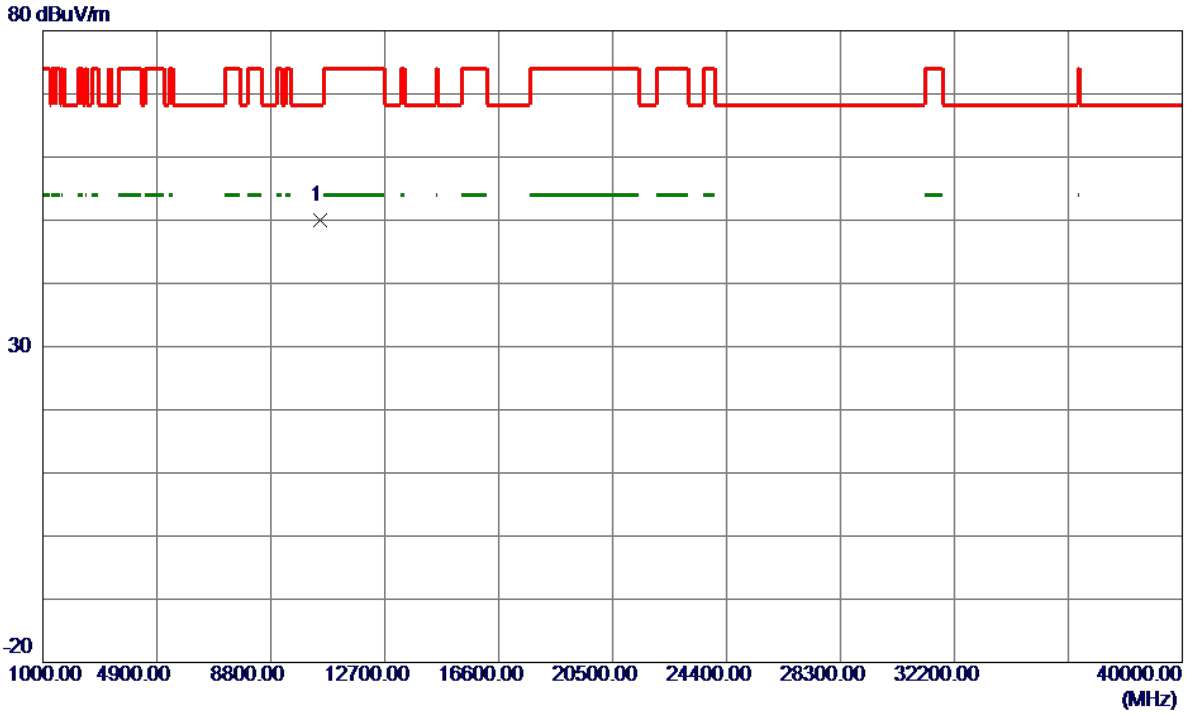
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5237.6000	81.24	16.89	98.13	999.00	-900.87	AVG	No Limit
2 *	5239.2000	89.59	16.90	106.49	68.30	38.19	Peak	No Limit

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

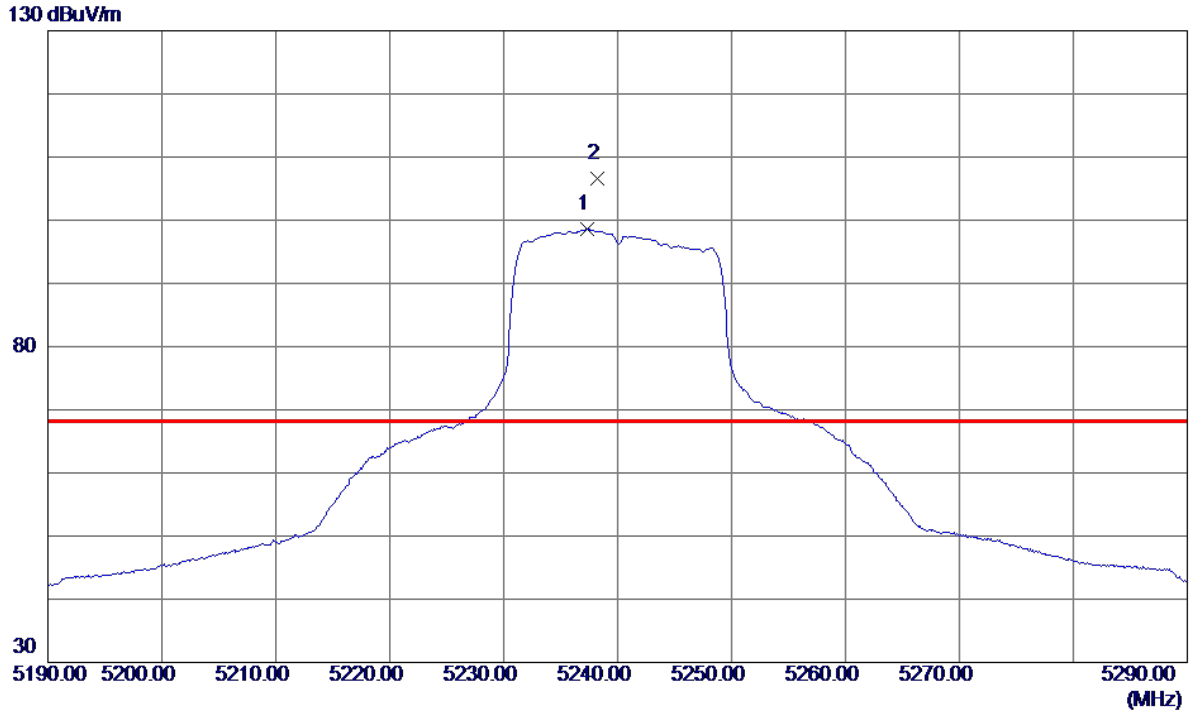
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10478.5000	34.97	15.06	50.03	68.30	-18.27	Peak	

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

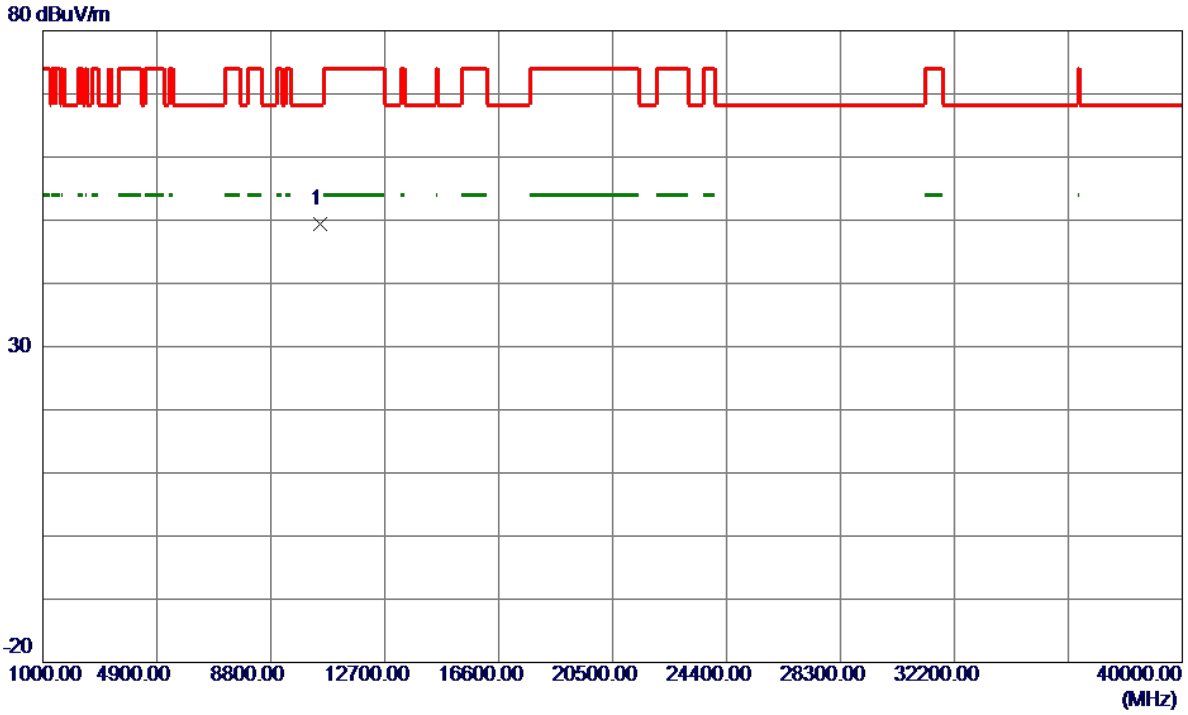
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5237.3000	81.69	16.89	98.58	999.00	-900.42	AVG	No Limit
2 *	5238.2000	89.61	16.90	106.51	68.30	38.21	Peak	No Limit

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

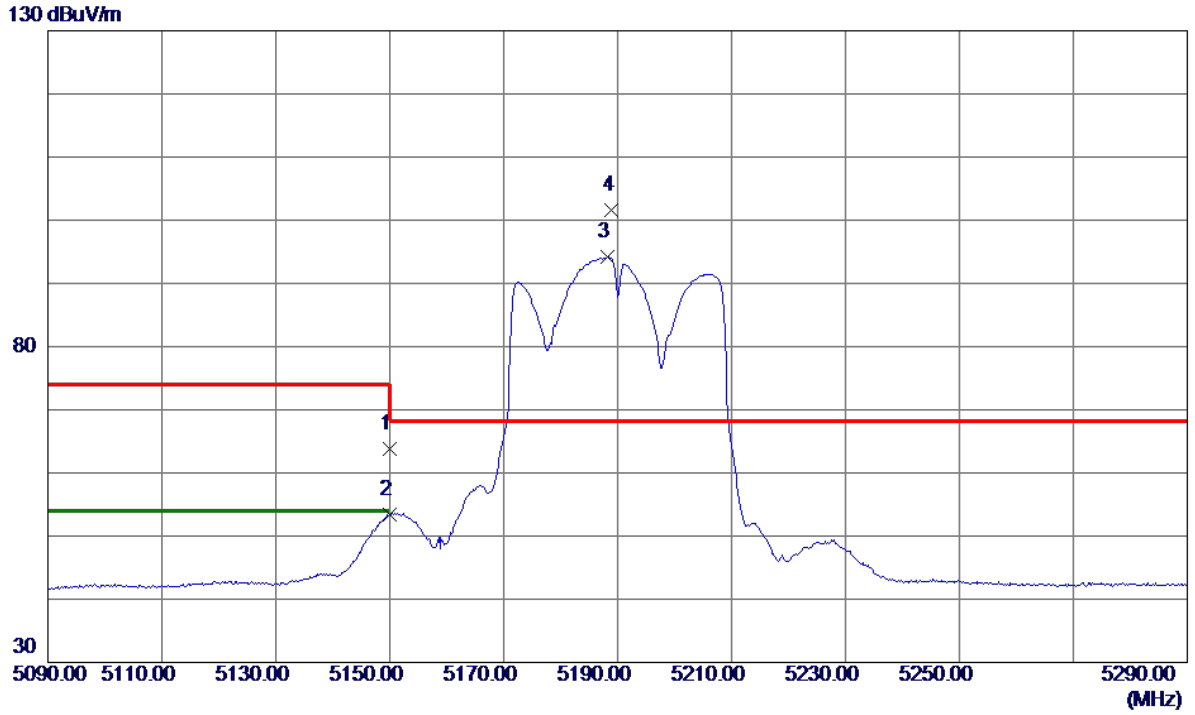
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10479.7000	34.40	15.06	49.46	68.30	-18.84	Peak	

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

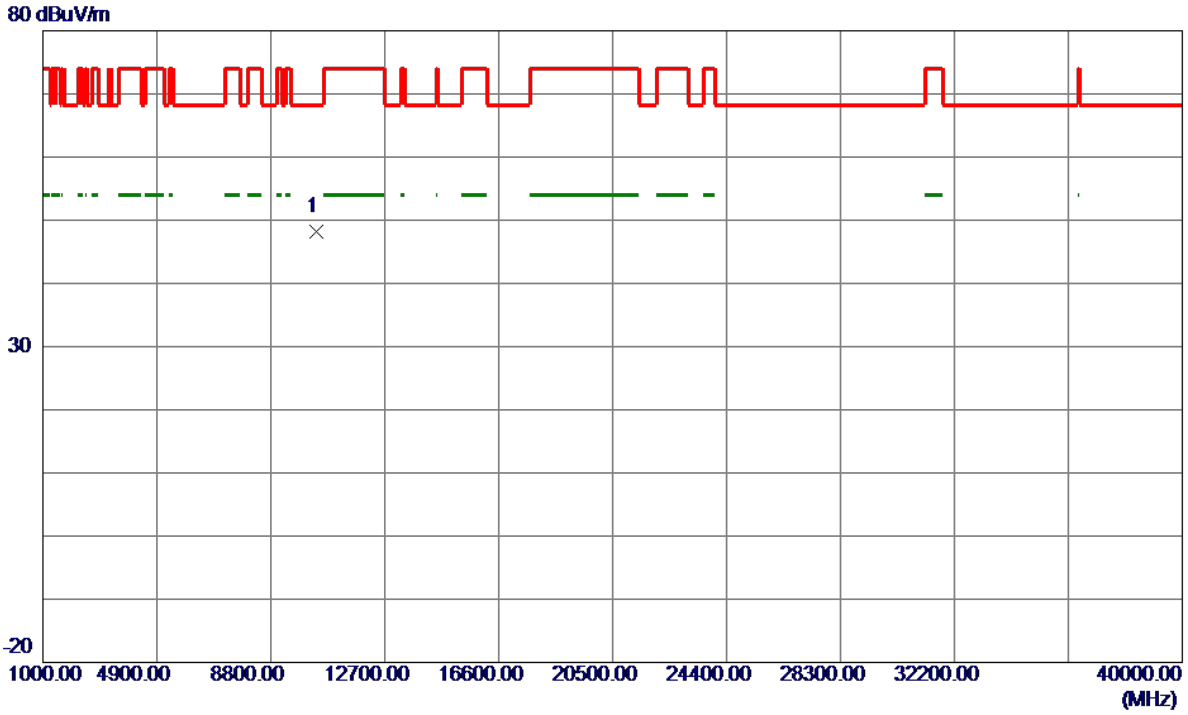
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	47.19	16.65	63.84	74.00	-10.16	Peak	
2	5150.0000	36.78	16.65	53.43	54.00	-0.57	AVG	
3	5188.2000	77.42	16.75	94.17	999.00	-904.83	AVG	No Limit
4 *	5189.0000	84.75	16.76	101.51	68.30	33.21	Peak	No Limit

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

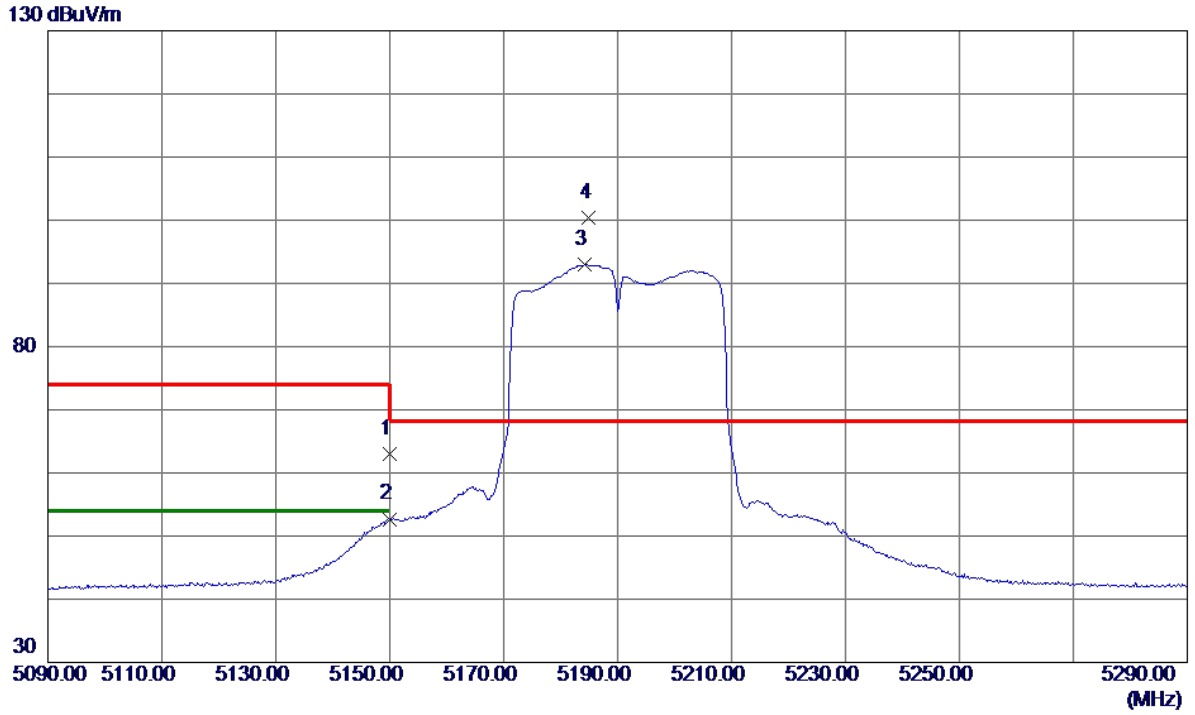
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10374.3500	33.32	14.87	48.19	68.30	-20.11	Peak	

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

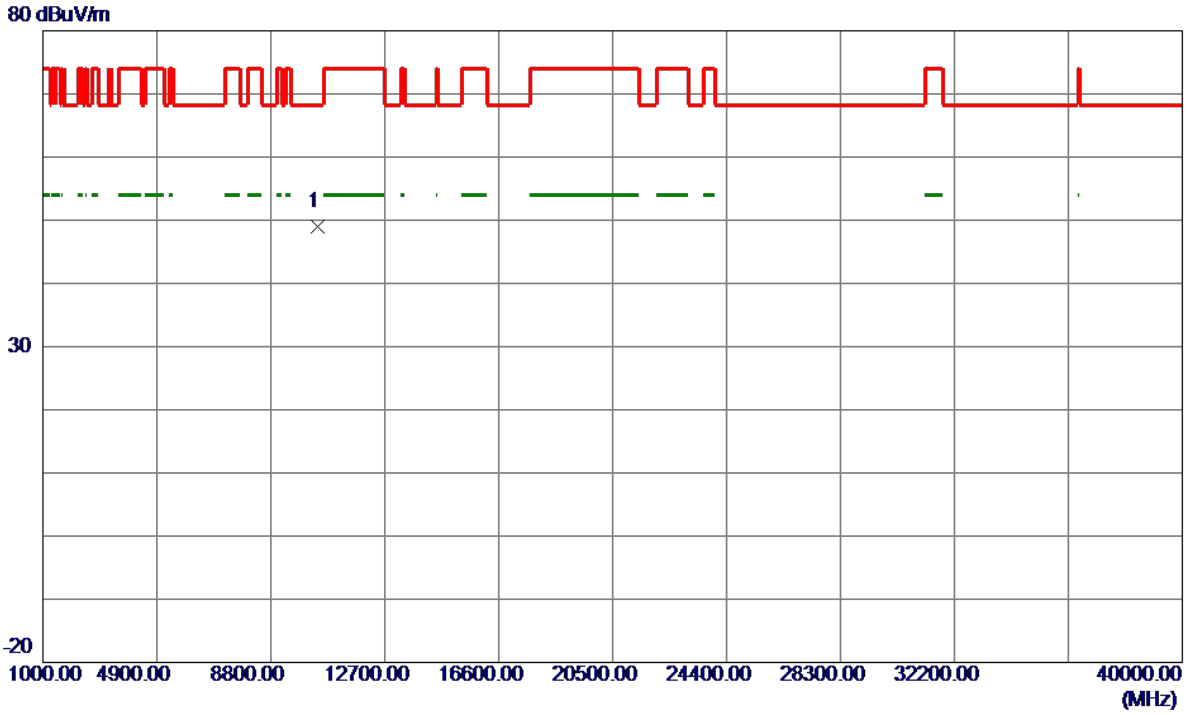
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	46.34	16.65	62.99	74.00	-11.01	Peak	
2	5150.0000	36.05	16.65	52.70	54.00	-1.30	AVG	
3	5184.2000	76.17	16.74	92.91	999.00	-906.09	AVG	No Limit
4 *	5185.0000	83.72	16.75	100.47	68.30	32.17	Peak	No Limit

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

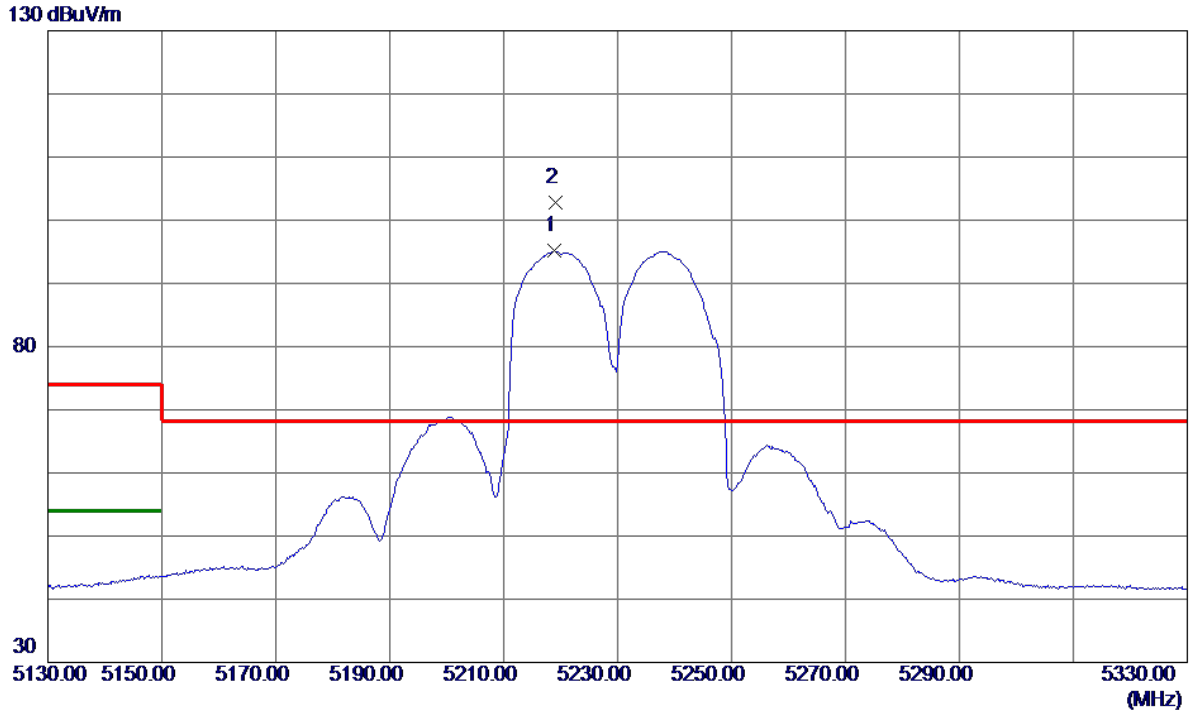
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10383.6000	34.05	14.89	48.94	68.30	-19.36	Peak	

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

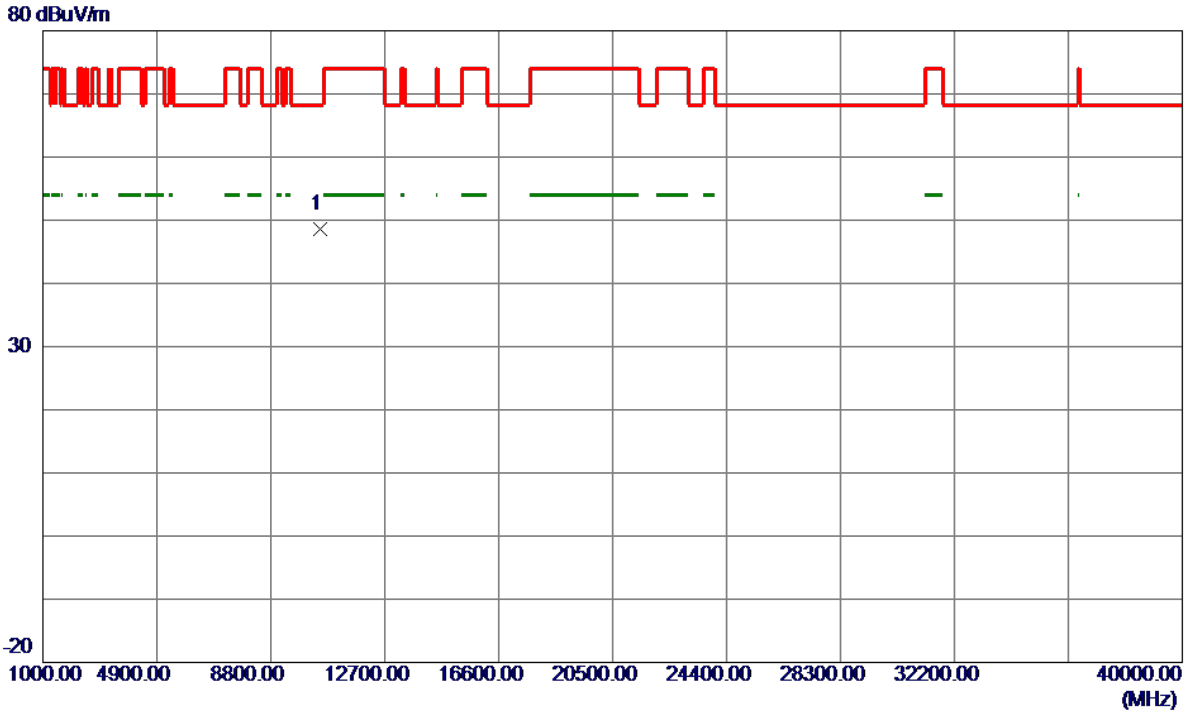
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5218.8000	78.28	16.84	95.12	999.00	-903.88	AVG	No Limit
2 *	5219.2000	85.94	16.84	102.78	68.30	34.48	Peak	No Limit

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

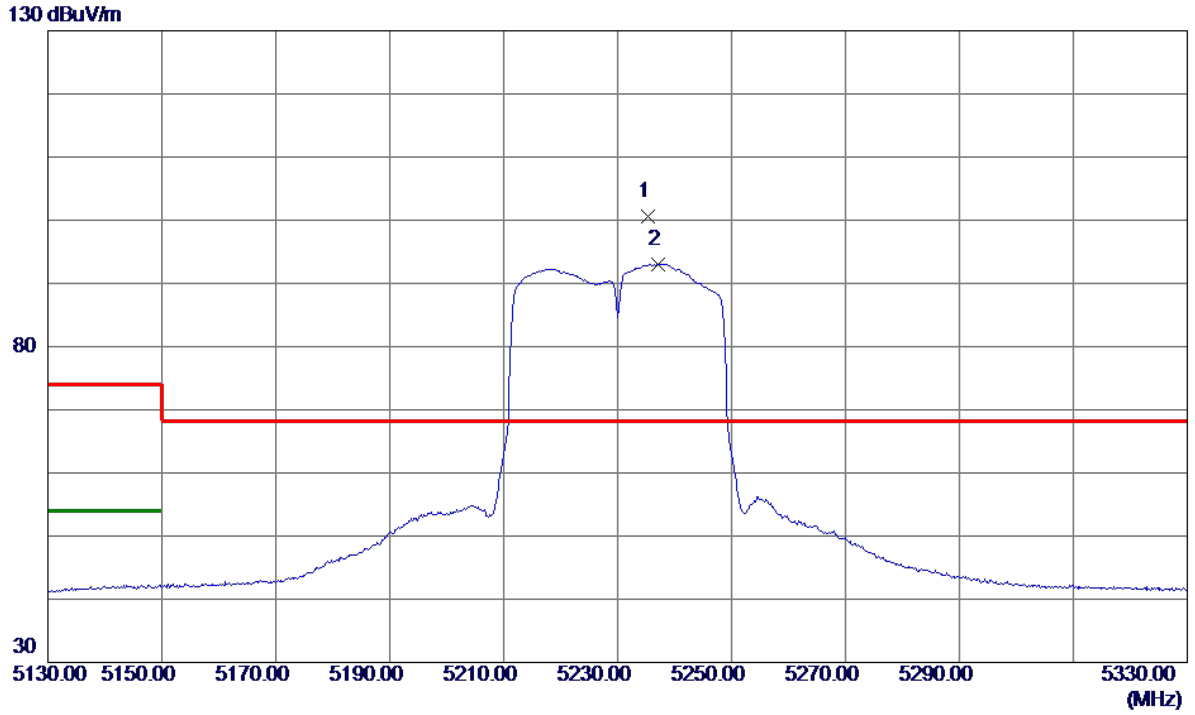
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10484.5000	33.59	15.07	48.66	68.30	-19.64	Peak	

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

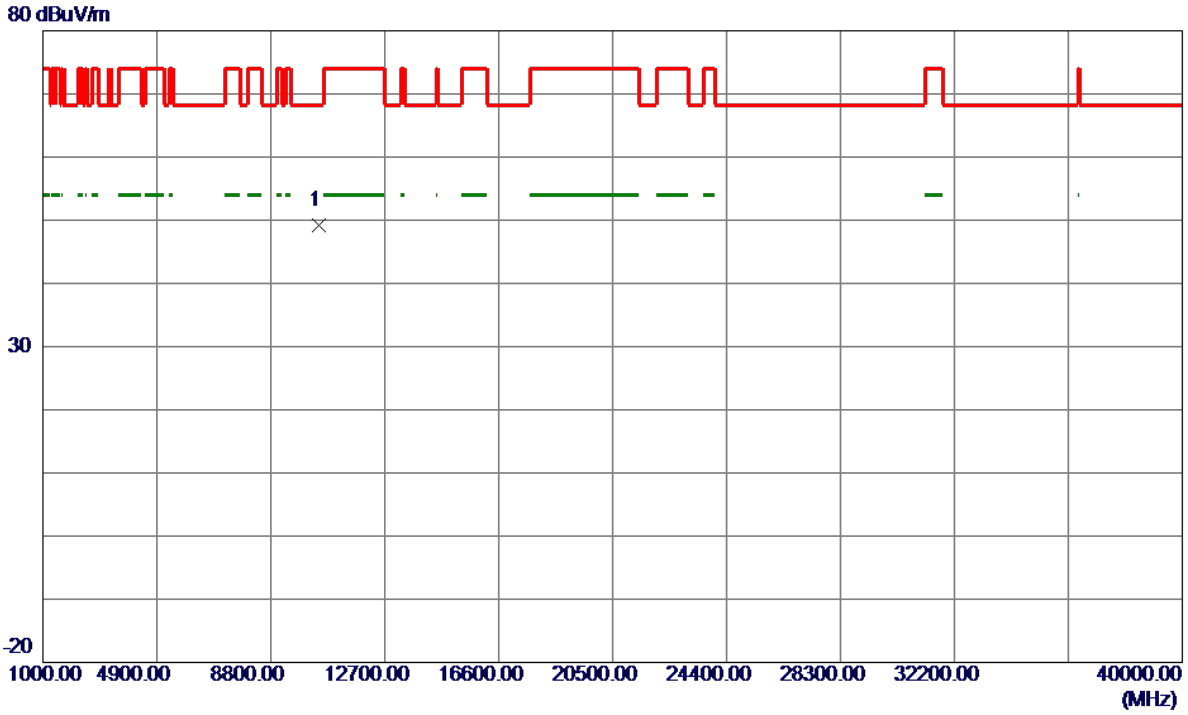
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5235.4000	83.62	16.89	100.51	68.30	32.21	Peak	No Limit
2	5237.2000	76.19	16.89	93.08	999.00	-905.92	AVG	No Limit

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

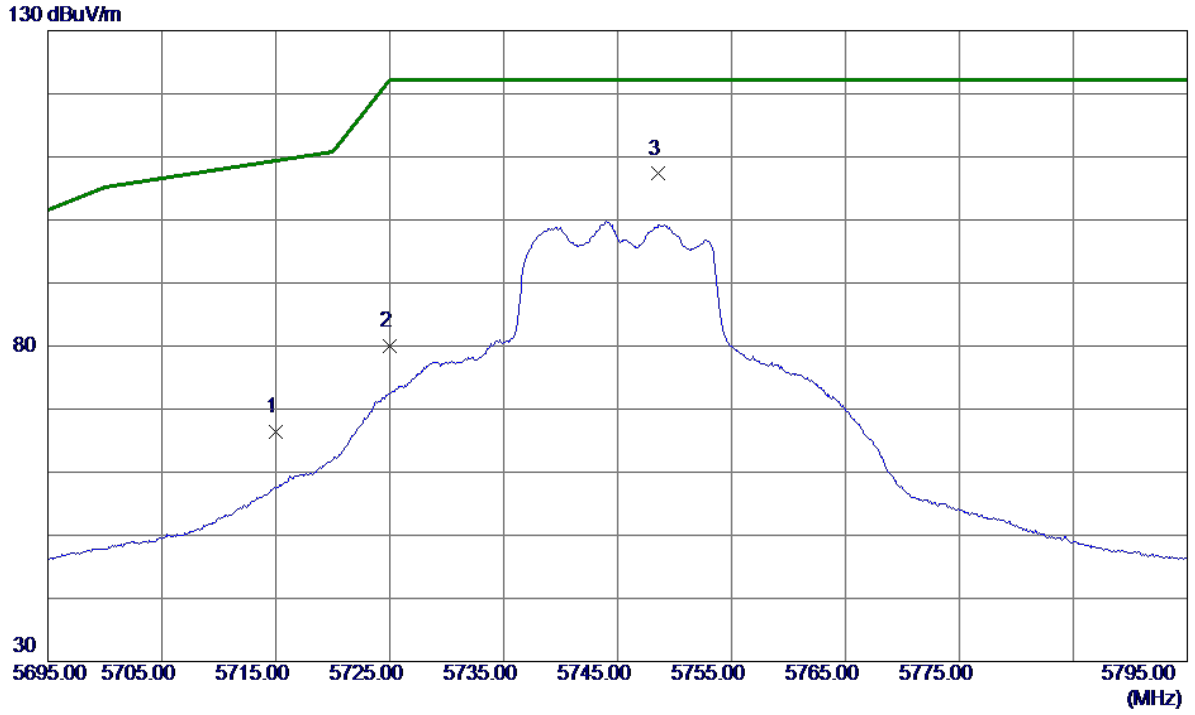
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10461.0000	34.21	15.03	49.24	68.30	-19.06	Peak	

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

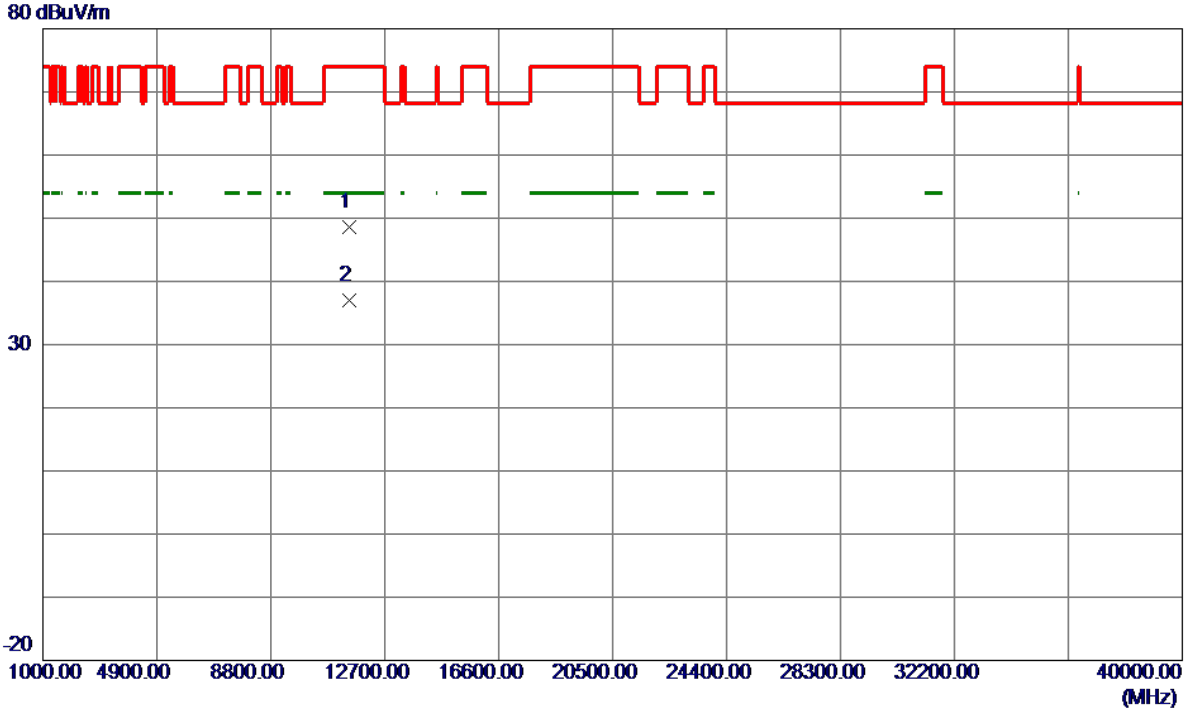
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	47.99	18.40	66.39	109.40	-43.01	Peak	
2	5725.0000	61.48	18.44	79.92	122.20	-42.28	Peak	
3 *	5748.6000	88.78	18.52	107.30	122.20	-14.90	Peak	

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

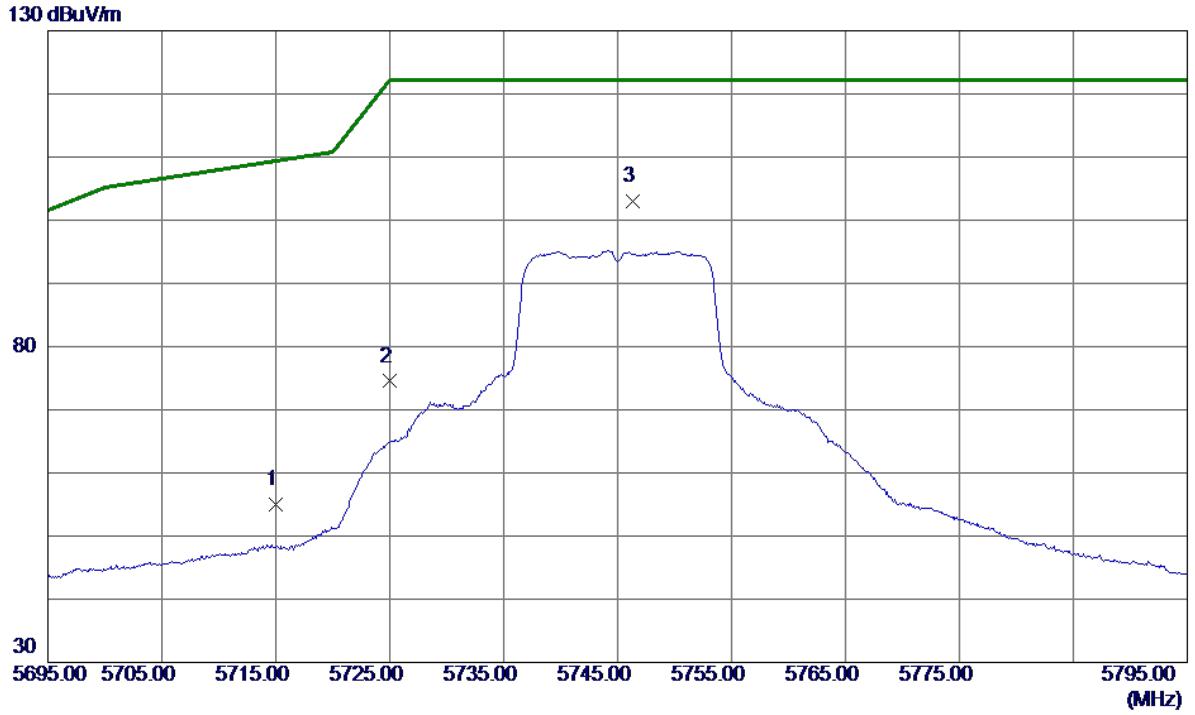
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11483.9500	32.58	15.94	48.52	74.00	-25.48	Peak	
2 *	11488.5000	21.04	15.94	36.98	54.00	-17.02	AVG	

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

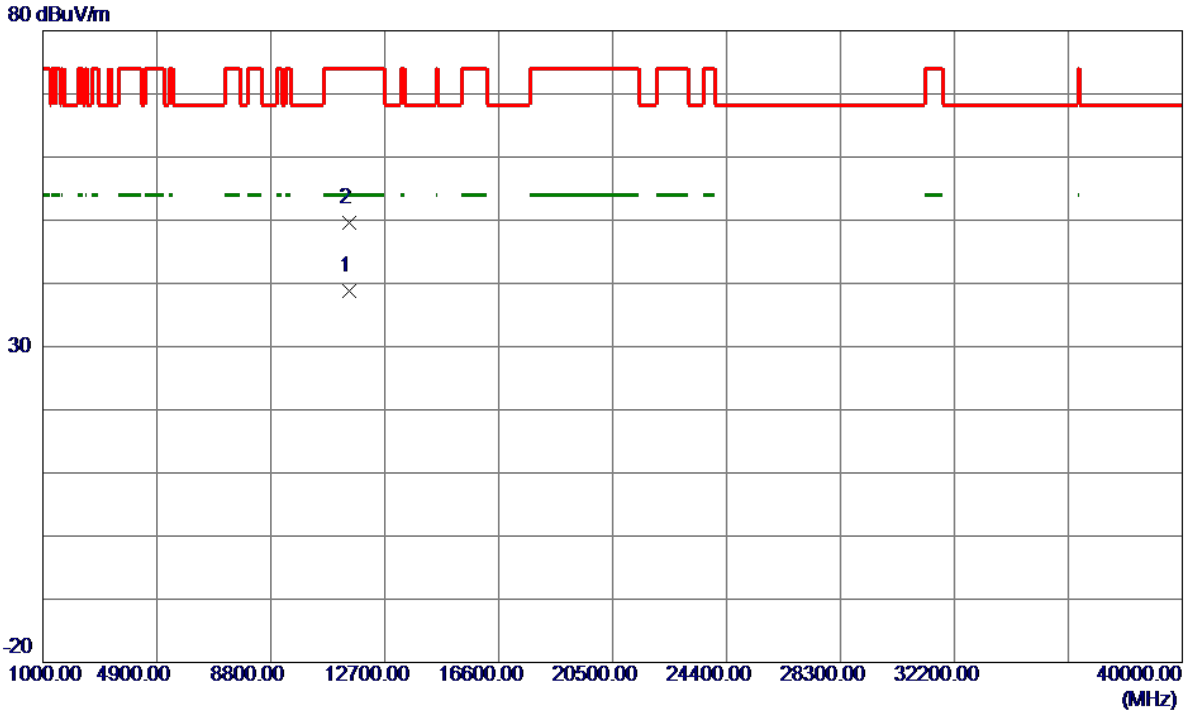
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	36.61	18.40	55.01	109.40	-54.39	Peak	
2	5725.0000	56.06	18.44	74.50	122.20	-47.70	Peak	
3 *	5746.3000	84.54	18.51	103.05	122.20	-19.15	Peak	

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

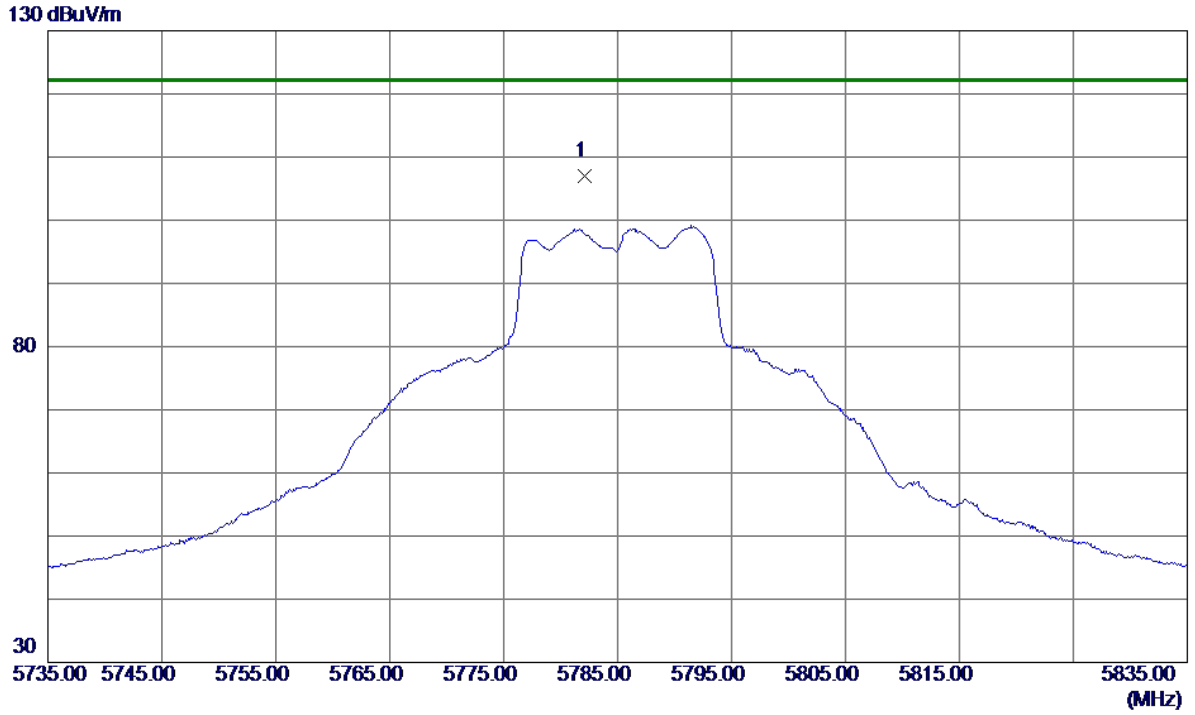
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11489.9500	22.86	15.94	38.80	54.00	-15.20	AVG	
2	11490.3000	33.61	15.94	49.55	74.00	-24.45	Peak	

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

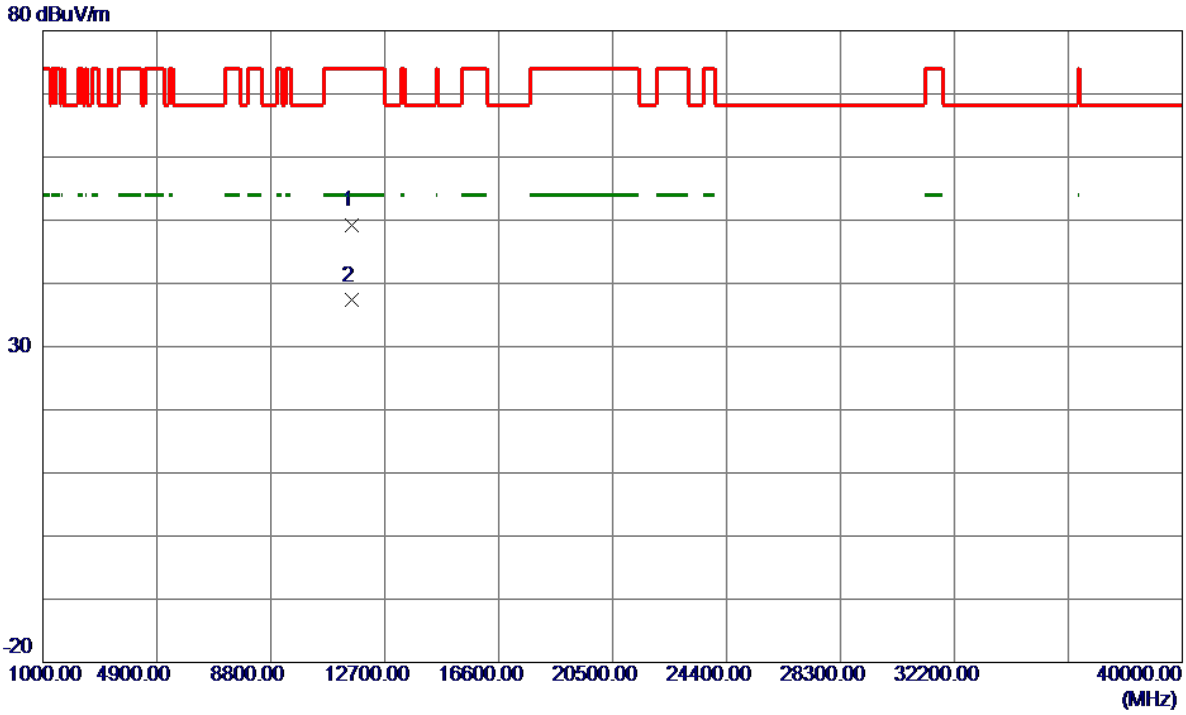
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5782.1000	88.31	18.64	106.95	122.20	-15.25	Peak	

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

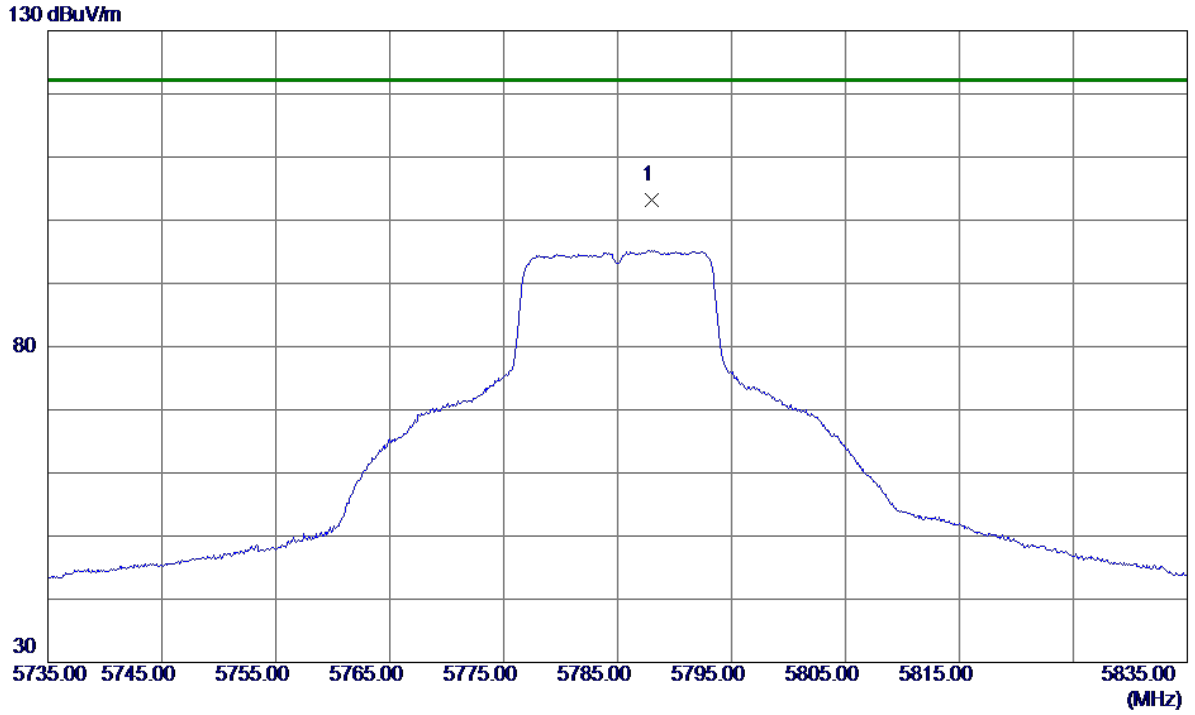
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11563.4000	33.19	15.99	49.18	74.00	-24.82	Peak	
2 *	11572.0500	21.31	15.99	37.30	54.00	-16.70	AVG	

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

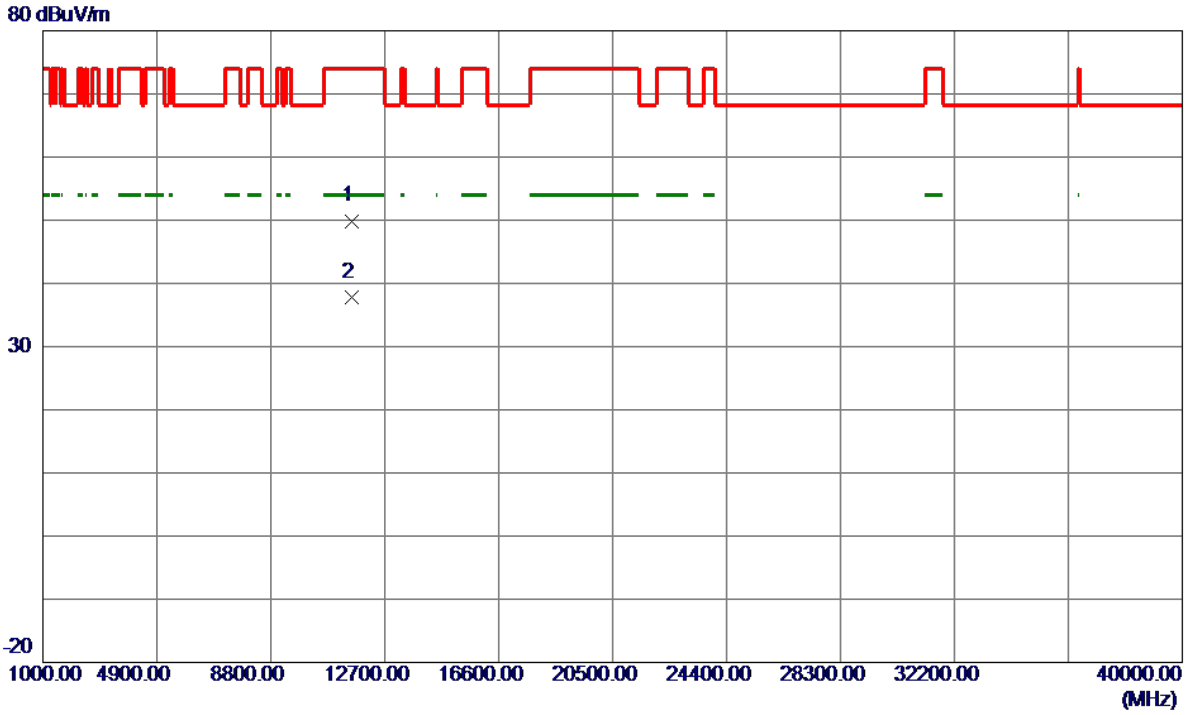
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5788.0000	84.47	18.66	103.13	122.20	-19.07	Peak	

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

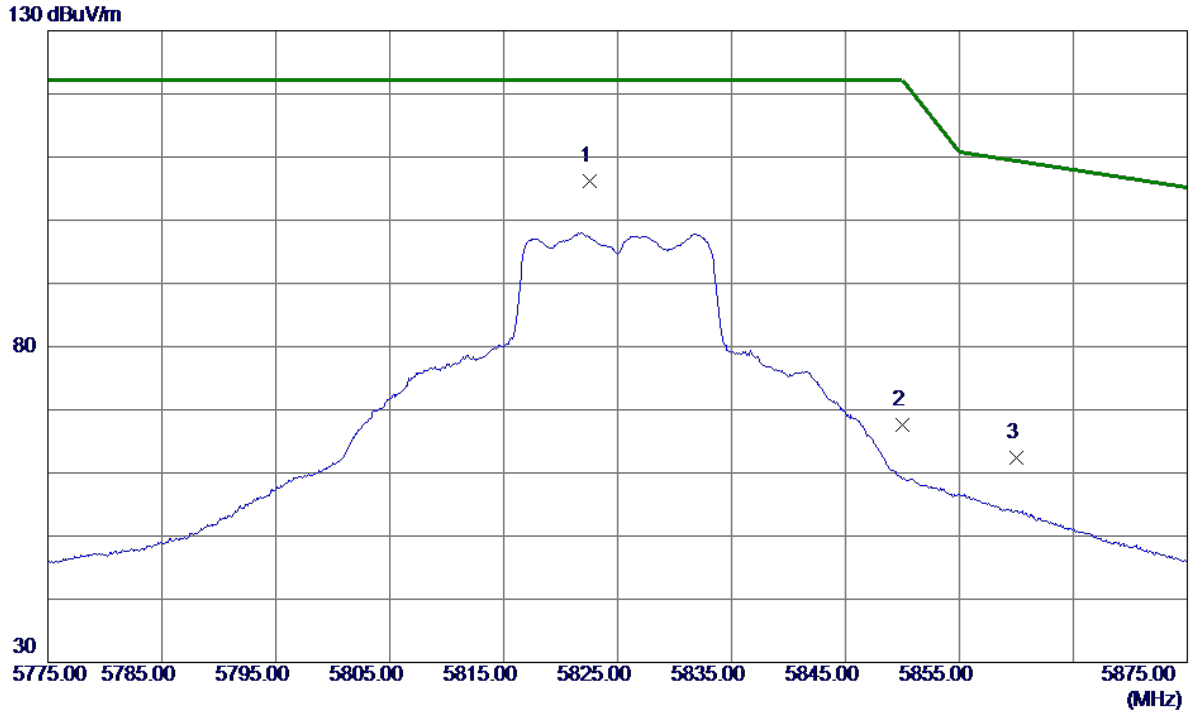
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.7000	33.91	15.99	49.90	74.00	-24.10	Peak	
2 *	11570.7500	21.90	15.99	37.89	54.00	-16.11	AVG	

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

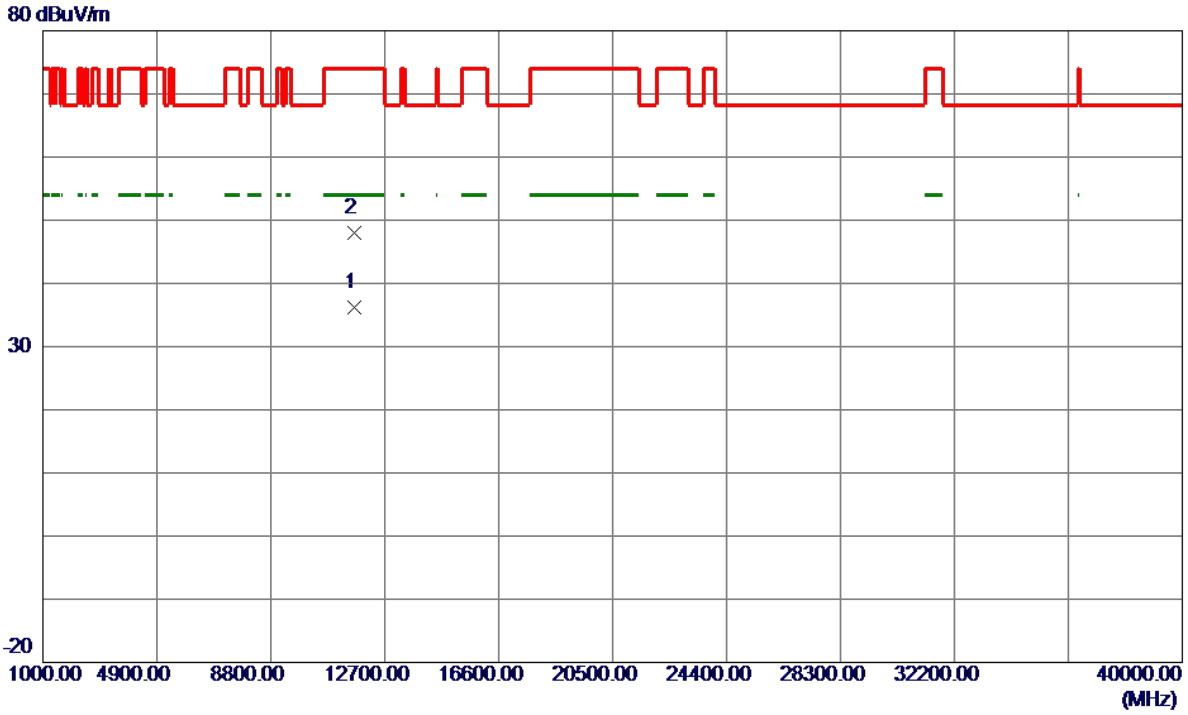
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5822.6000	87.41	18.78	106.19	122.20	-16.01	Peak	
2	5850.0000	48.72	18.88	67.60	122.20	-54.60	Peak	
3	5860.0000	43.57	18.91	62.48	109.40	-46.92	Peak	

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

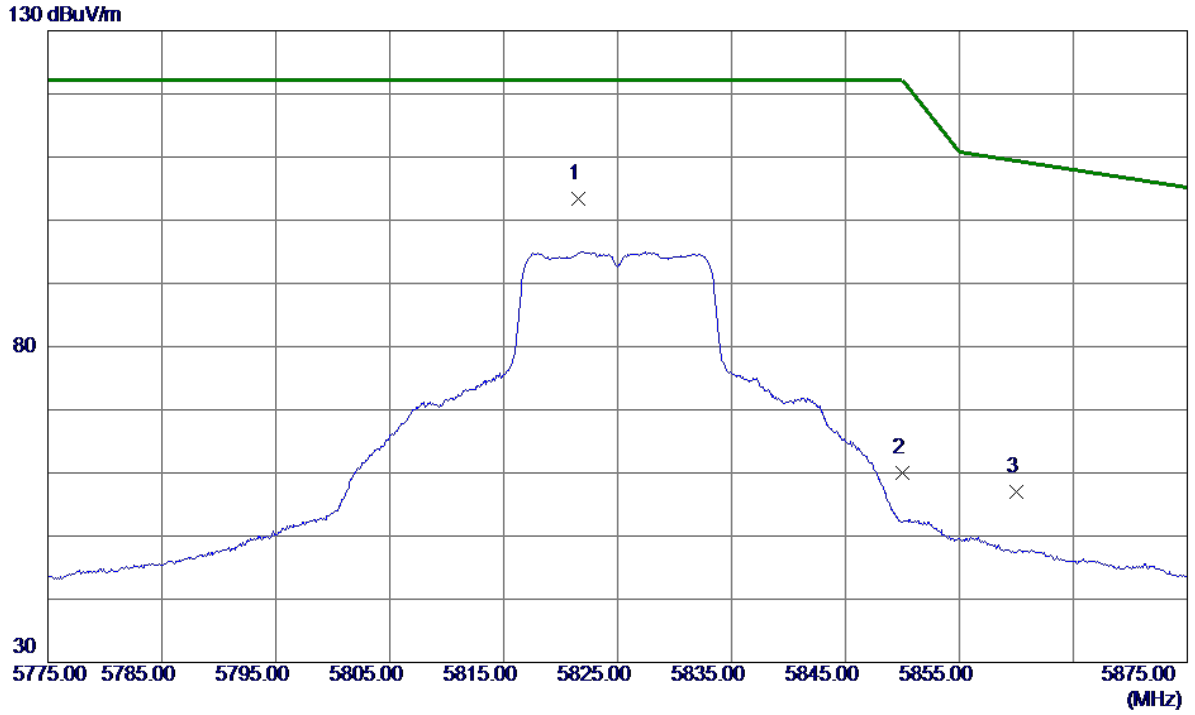
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11652.5500	20.11	16.04	36.15	54.00	-17.85	AVG	
2	11653.1000	31.98	16.04	48.02	74.00	-25.98	Peak	

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

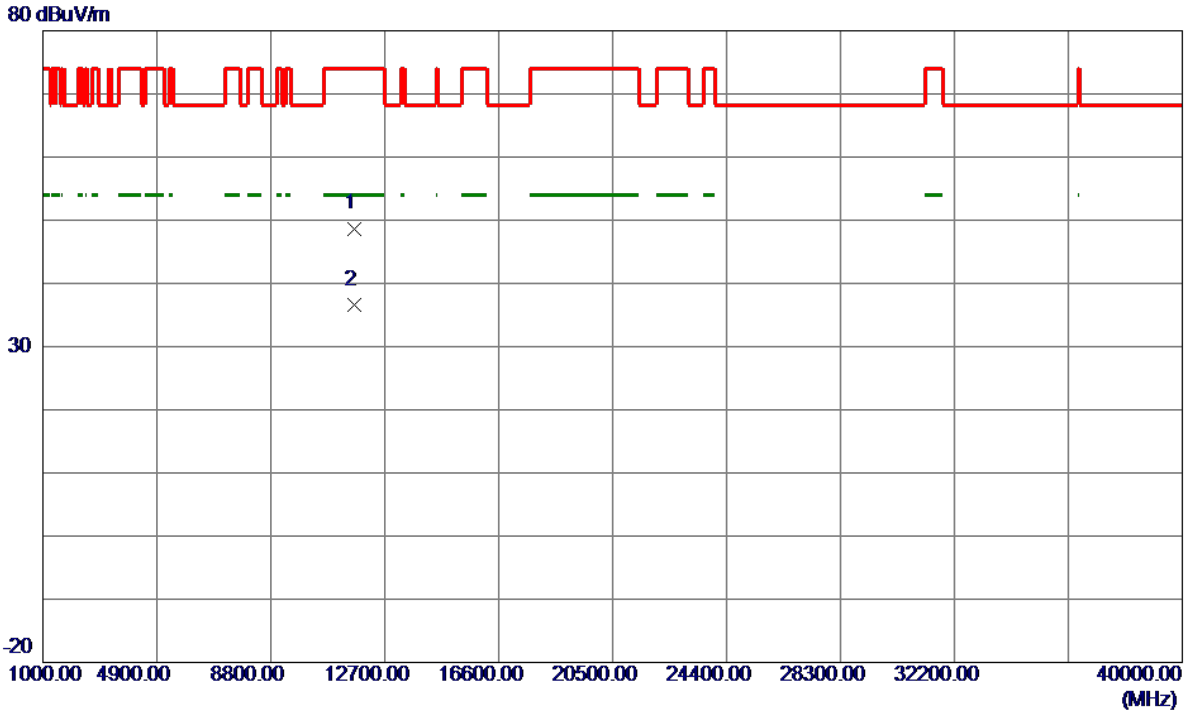
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5821.6000	84.59	18.78	103.37	122.20	-18.83	Peak	
2	5850.0000	41.14	18.88	60.02	122.20	-62.18	Peak	
3	5860.0000	38.03	18.91	56.94	109.40	-52.46	Peak	

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

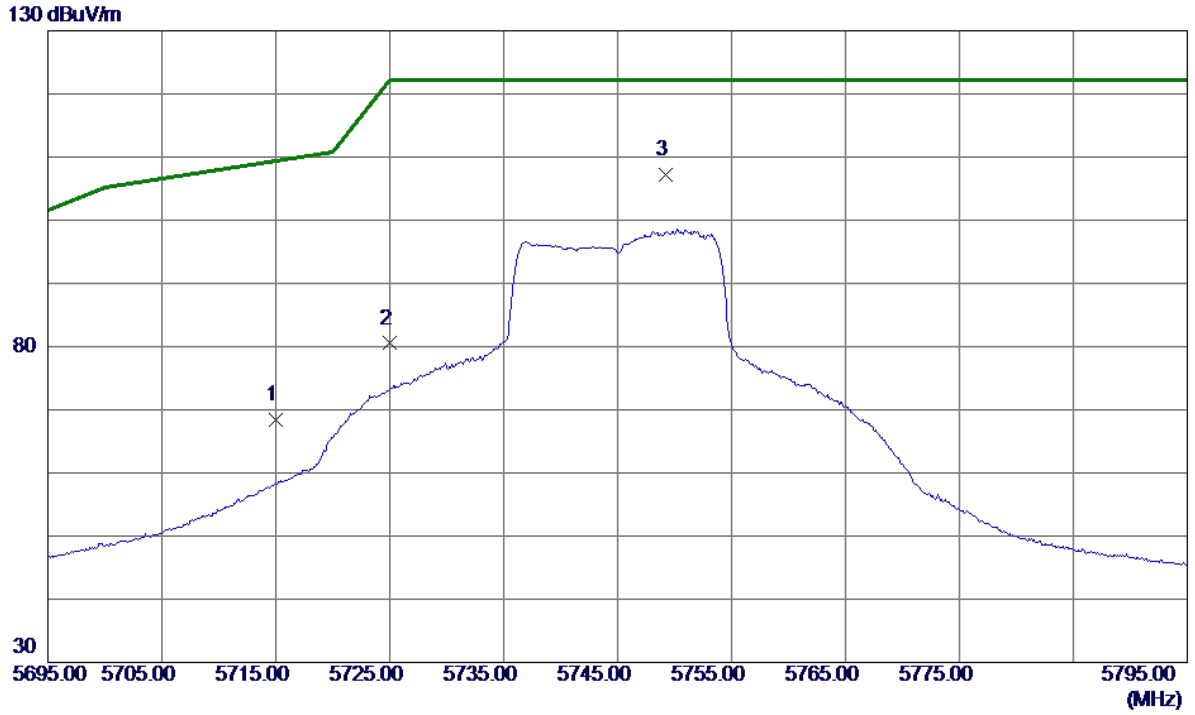
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.2000	32.67	16.03	48.70	74.00	-25.30	Peak	
2 *	11650.5500	20.59	16.03	36.62	54.00	-17.38	AVG	

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

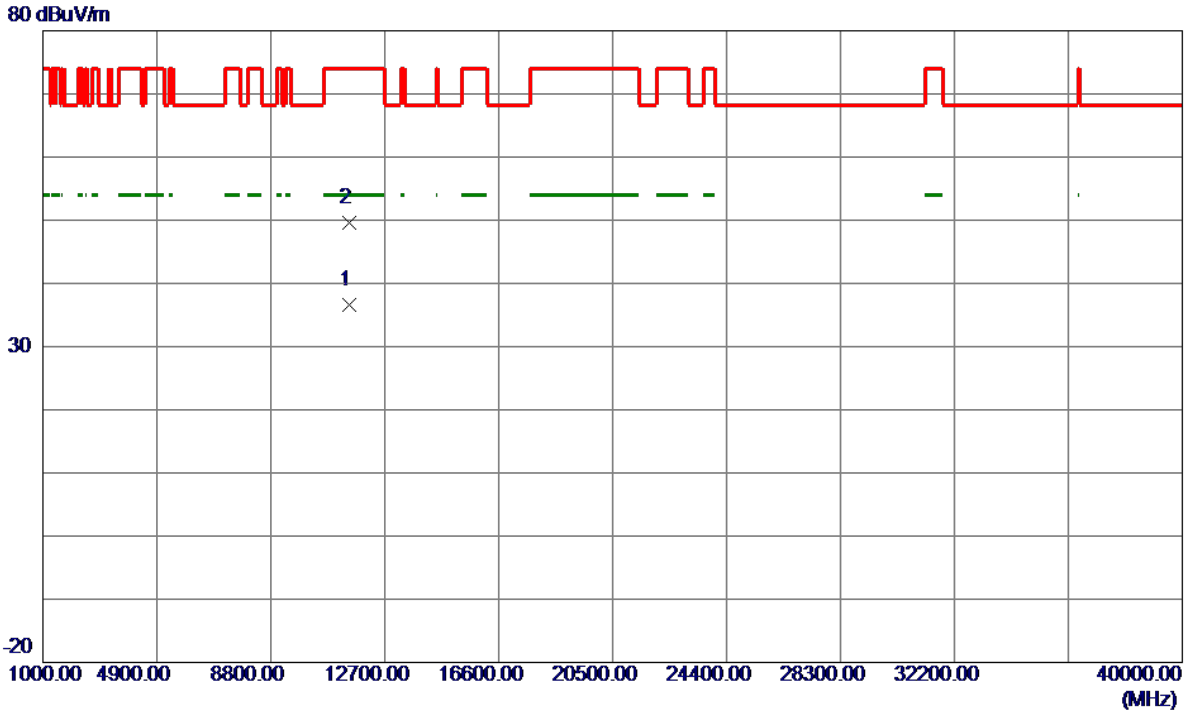
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	50.00	18.40	68.40	109.40	-41.00	Peak	
2	5725.0000	62.06	18.44	80.50	122.20	-41.70	Peak	
3 *	5749.2000	88.68	18.52	107.20	122.20	-15.00	Peak	

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

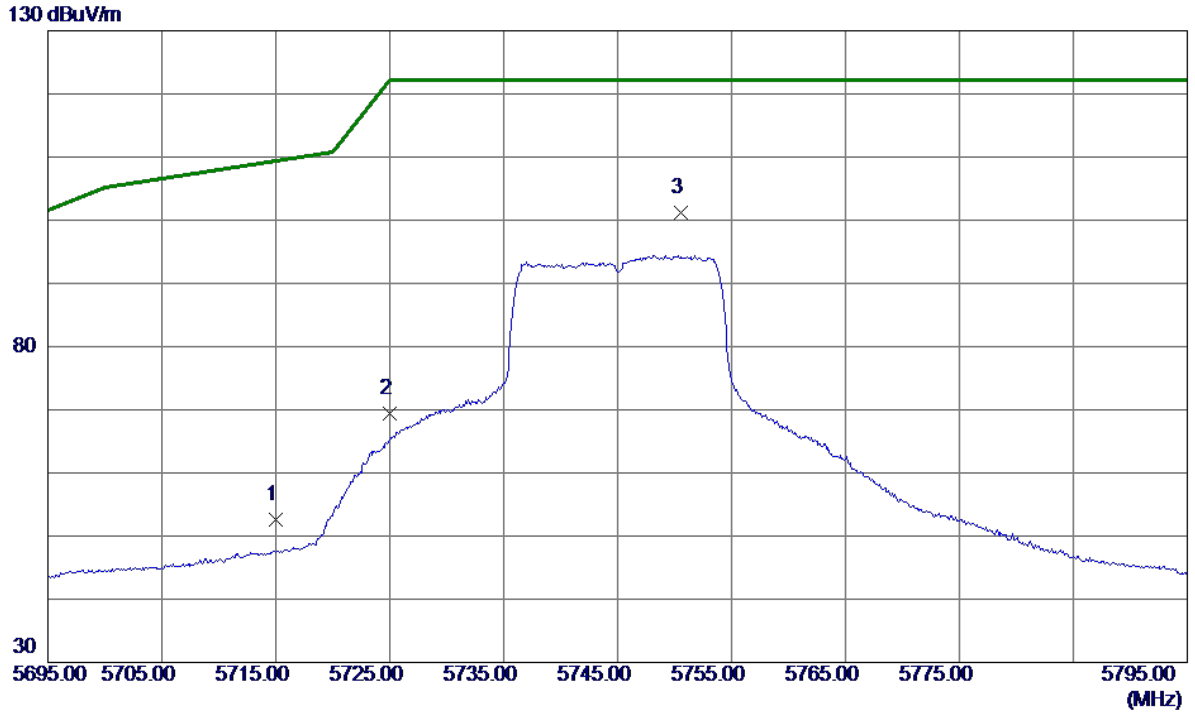
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11483.5500	20.75	15.94	36.69	54.00	-17.31	AVG	
2	11483.7000	33.64	15.94	49.58	74.00	-24.42	Peak	

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

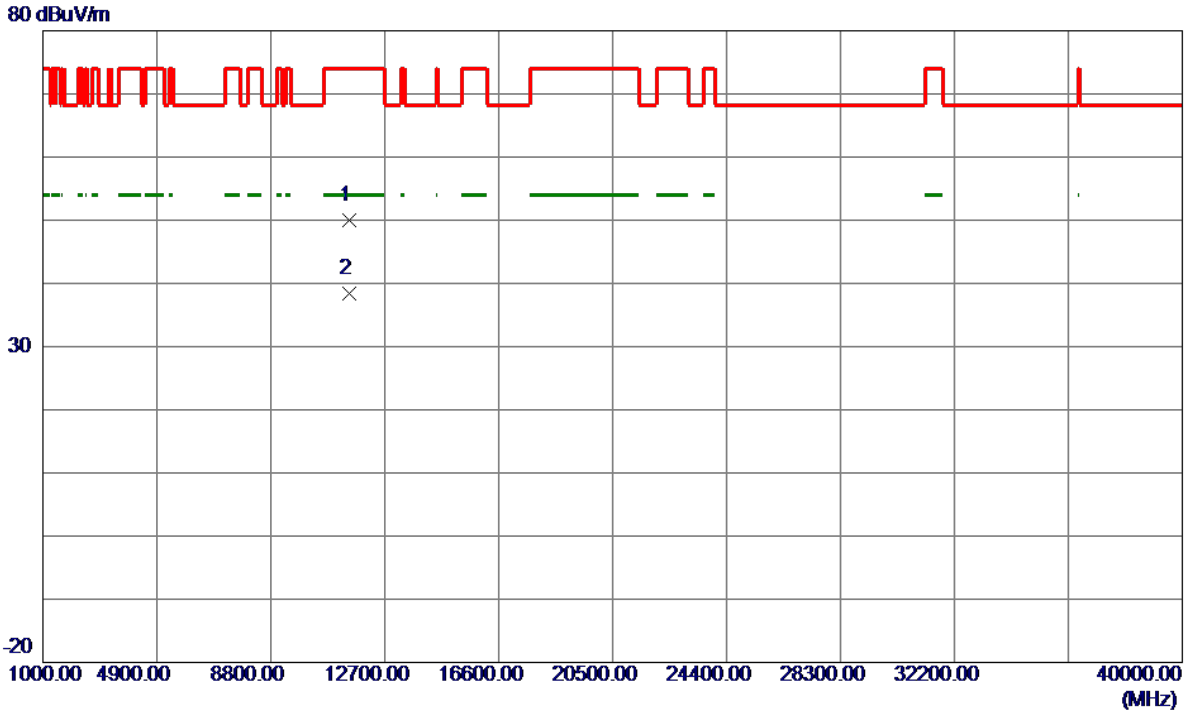
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	34.19	18.40	52.59	109.40	-56.81	Peak	
2	5725.0000	51.00	18.44	69.44	122.20	-52.76	Peak	
3 *	5750.6000	82.70	18.53	101.23	122.20	-20.97	Peak	

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

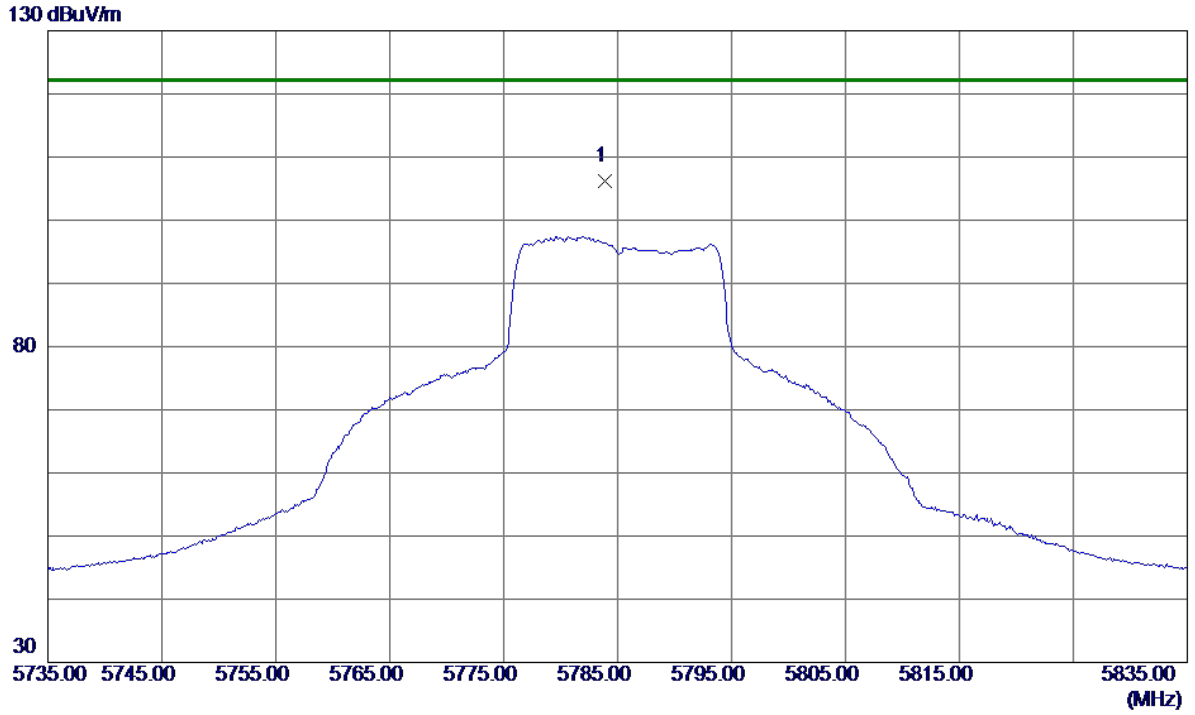
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11489.7500	34.05	15.94	49.99	74.00	-24.01	Peak	
2 *	11492.9000	22.42	15.95	38.37	54.00	-15.63	AVG	

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

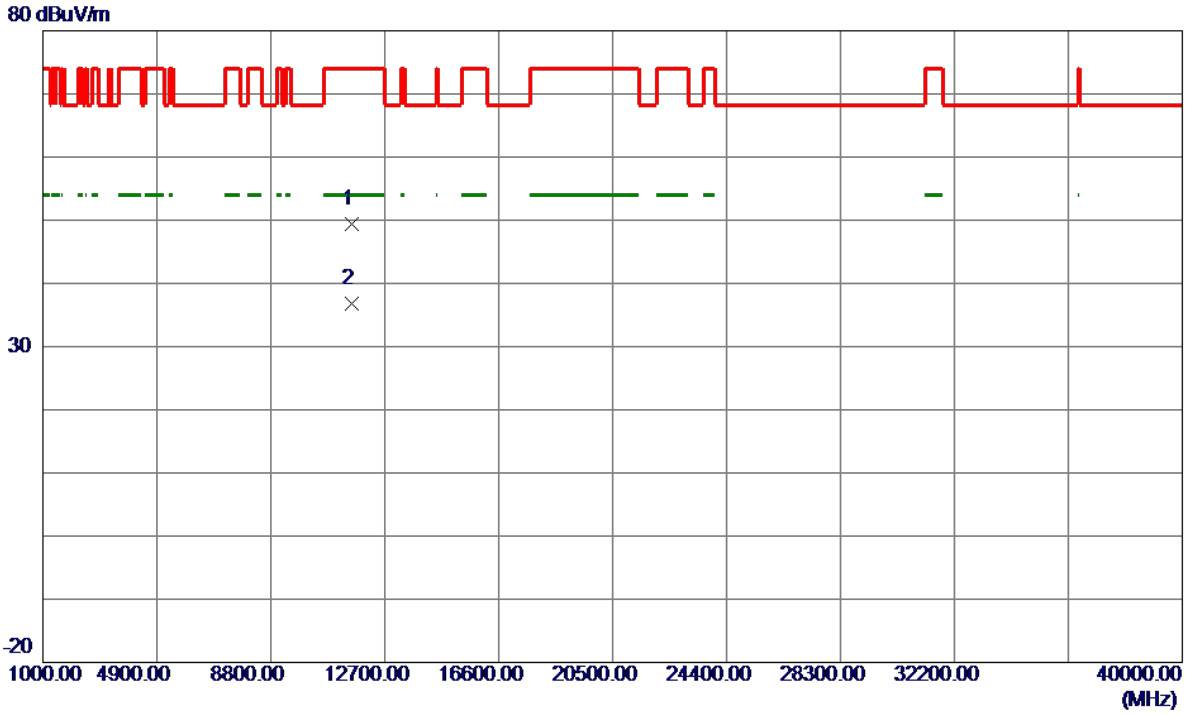
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5783.9000	87.64	18.64	106.28	122.20	-15.92	Peak	

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

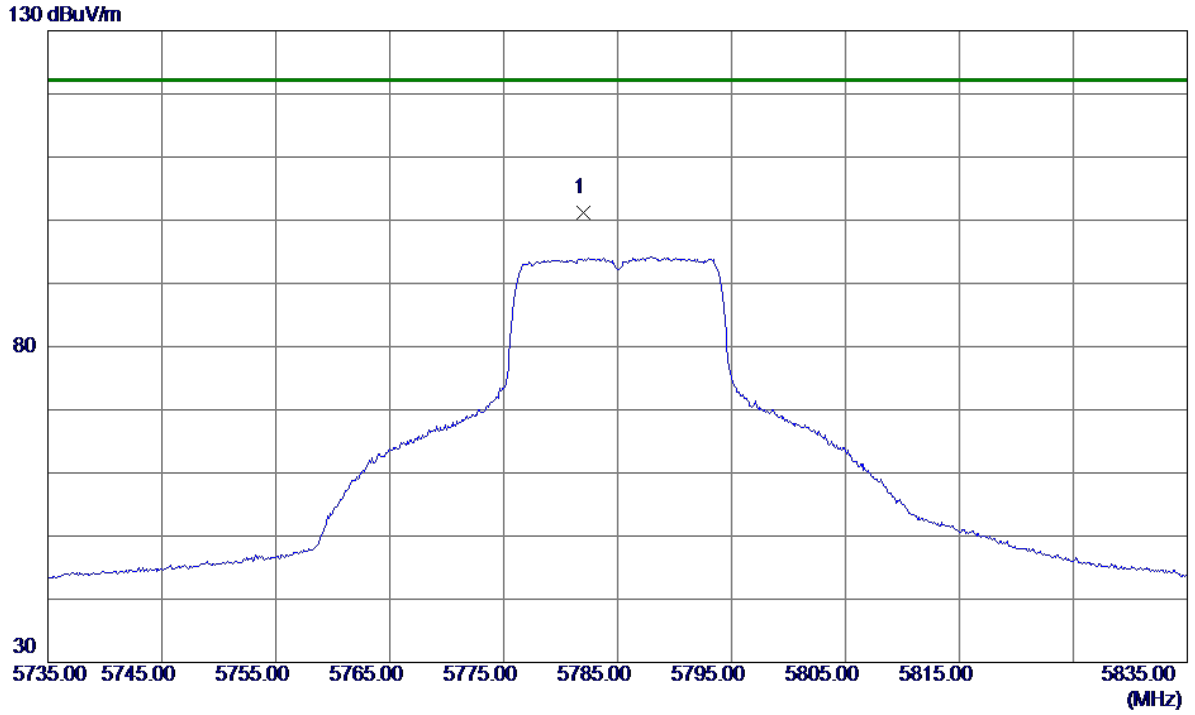
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11562.7500	33.35	15.99	49.34	74.00	-24.66	Peak	
2 *	11577.0000	20.82	16.00	36.82	54.00	-17.18	AVG	

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

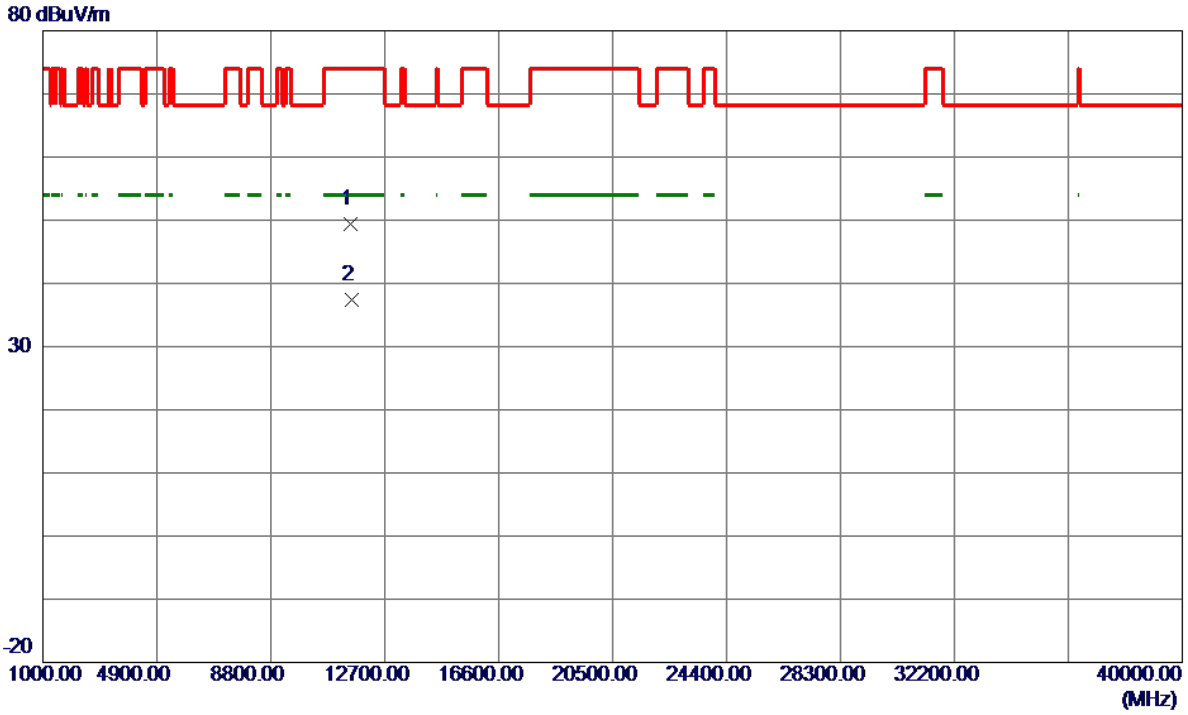
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5782.0000	82.57	18.64	101.21	122.20	-20.99	Peak	

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

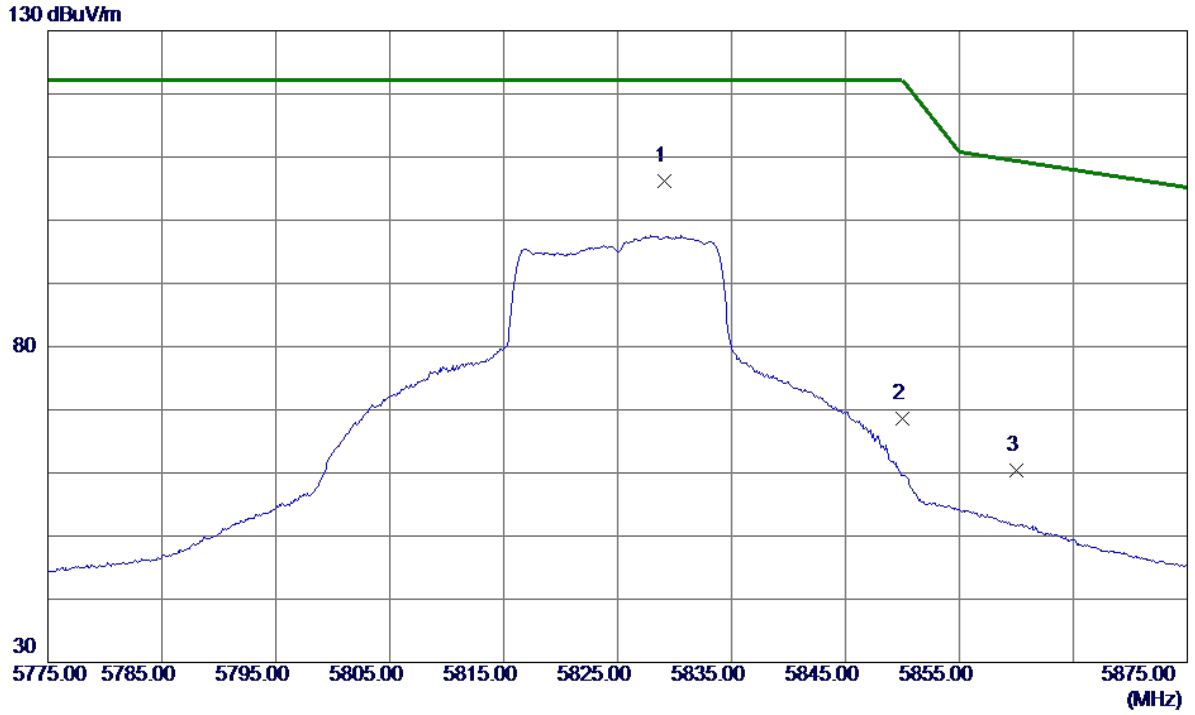
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11549.3500	33.41	15.98	49.39	74.00	-24.61	Peak	
2 *	11573.6000	21.43	15.99	37.42	54.00	-16.58	AVG	

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

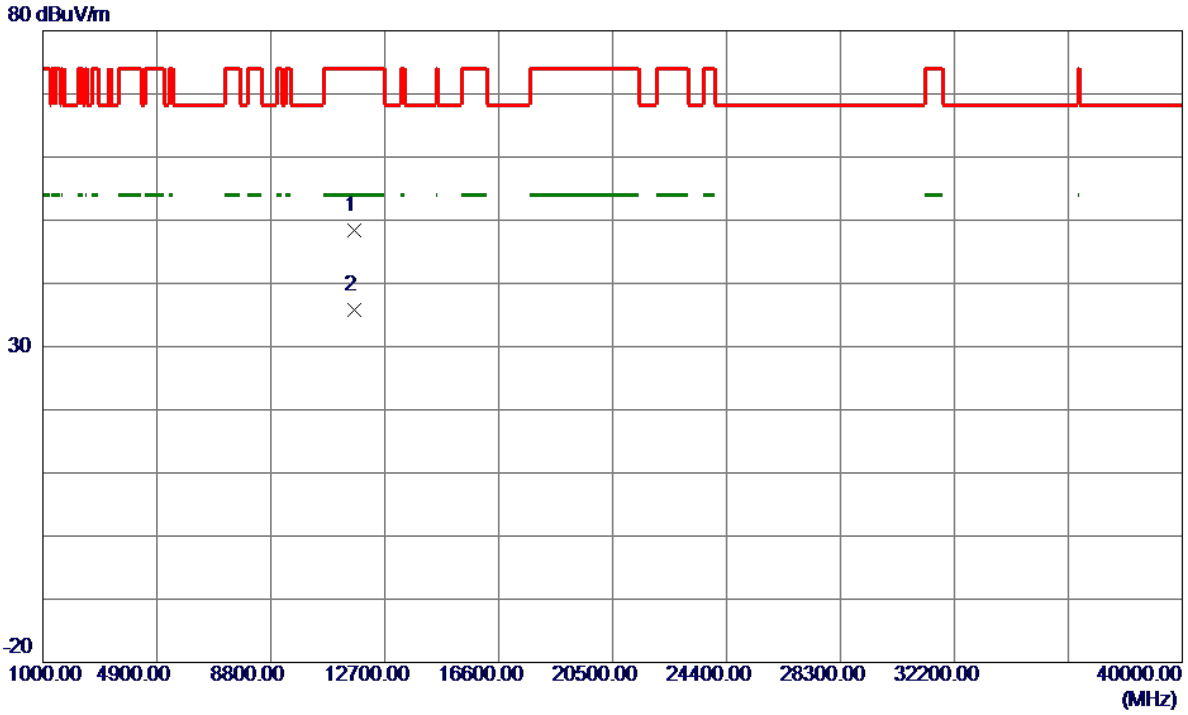
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5829.1000	87.42	18.80	106.22	122.20	-15.98	Peak	
2	5850.0000	49.64	18.88	68.52	122.20	-53.68	Peak	
3	5860.0000	41.45	18.91	60.36	109.40	-49.04	Peak	

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

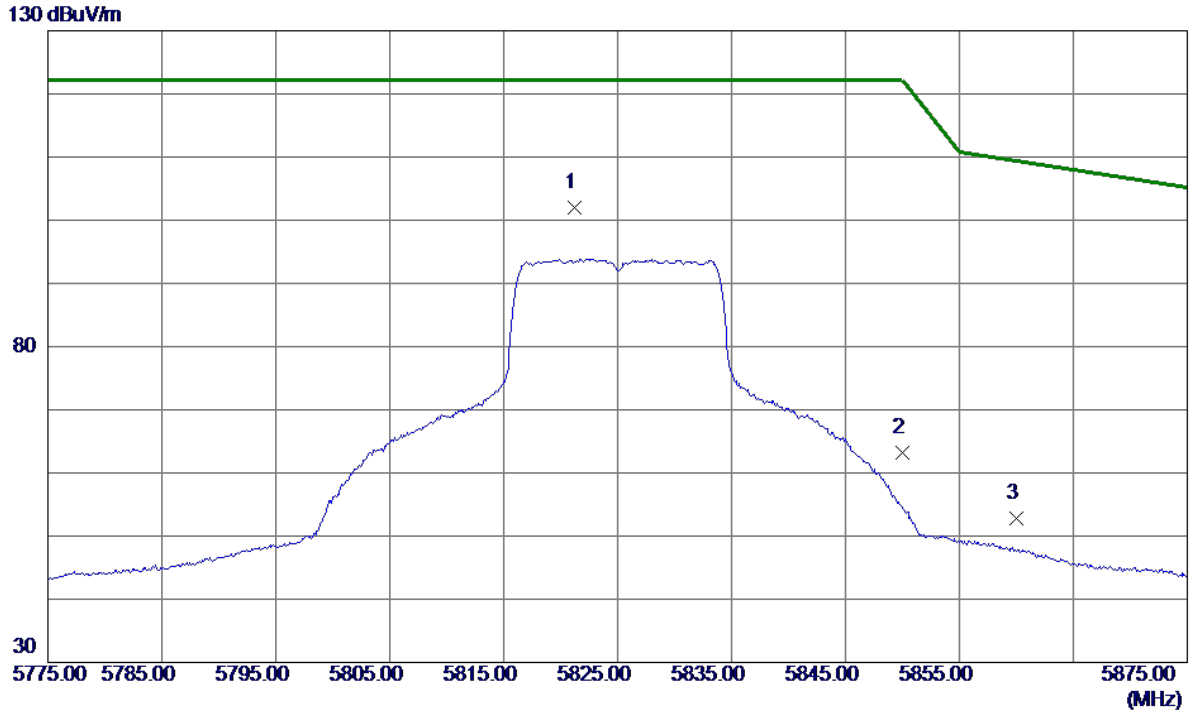
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11639.0000	32.35	16.03	48.38	74.00	-25.62	Peak	
2 *	11657.0500	19.79	16.04	35.83	54.00	-18.17	AVG	

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

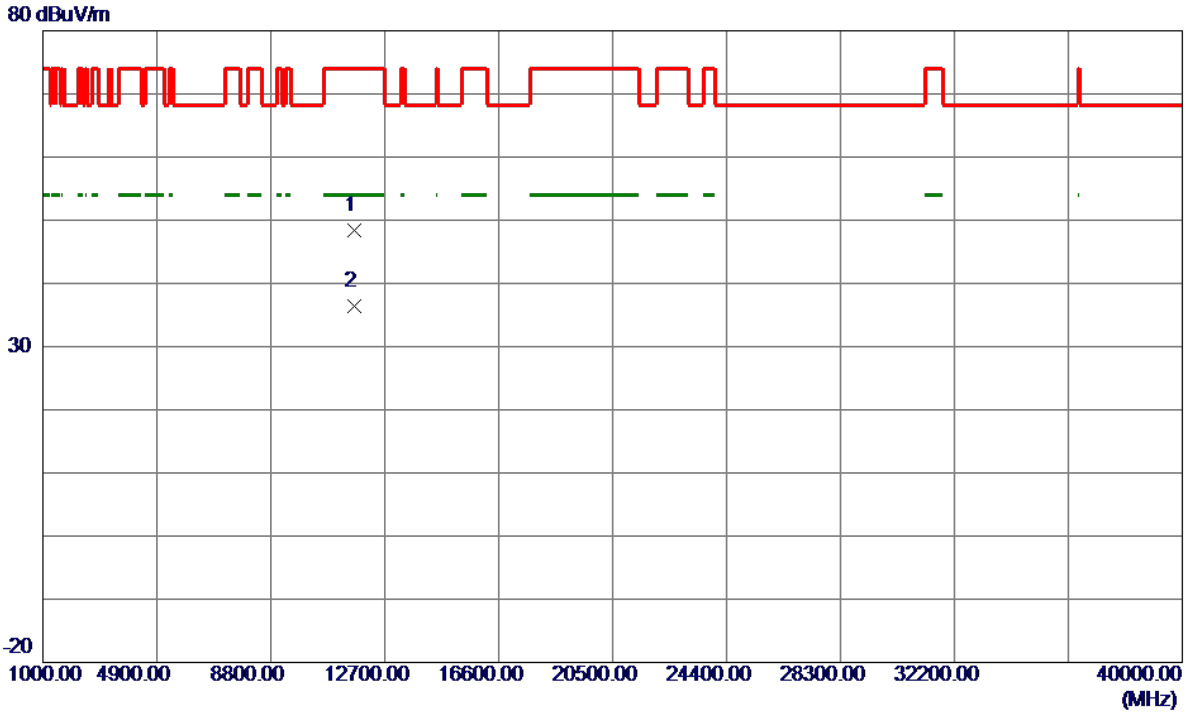
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5821.2000	83.32	18.78	102.10	122.20	-20.10	Peak	
2	5850.0000	44.30	18.88	63.18	122.20	-59.02	Peak	
3	5860.0000	33.97	18.91	52.88	109.40	-56.52	Peak	

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

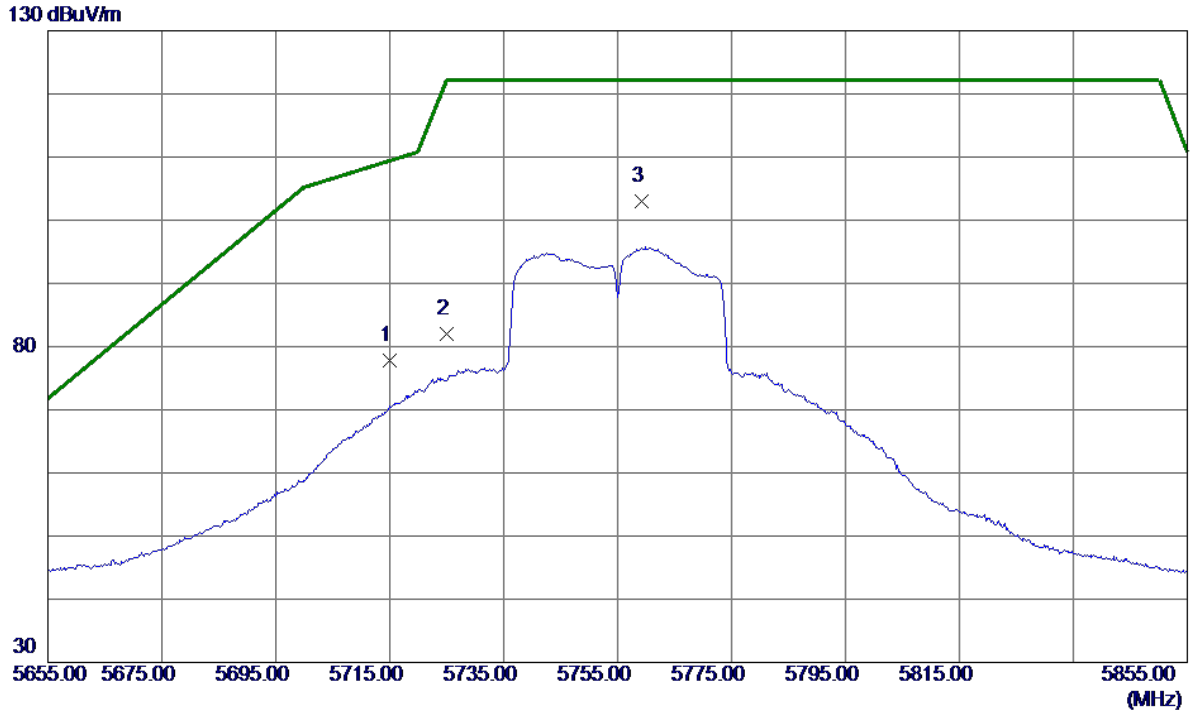
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11649.1500	32.42	16.03	48.45	74.00	-25.55	Peak	
2 *	11649.7500	20.45	16.03	36.48	54.00	-17.52	AVG	

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

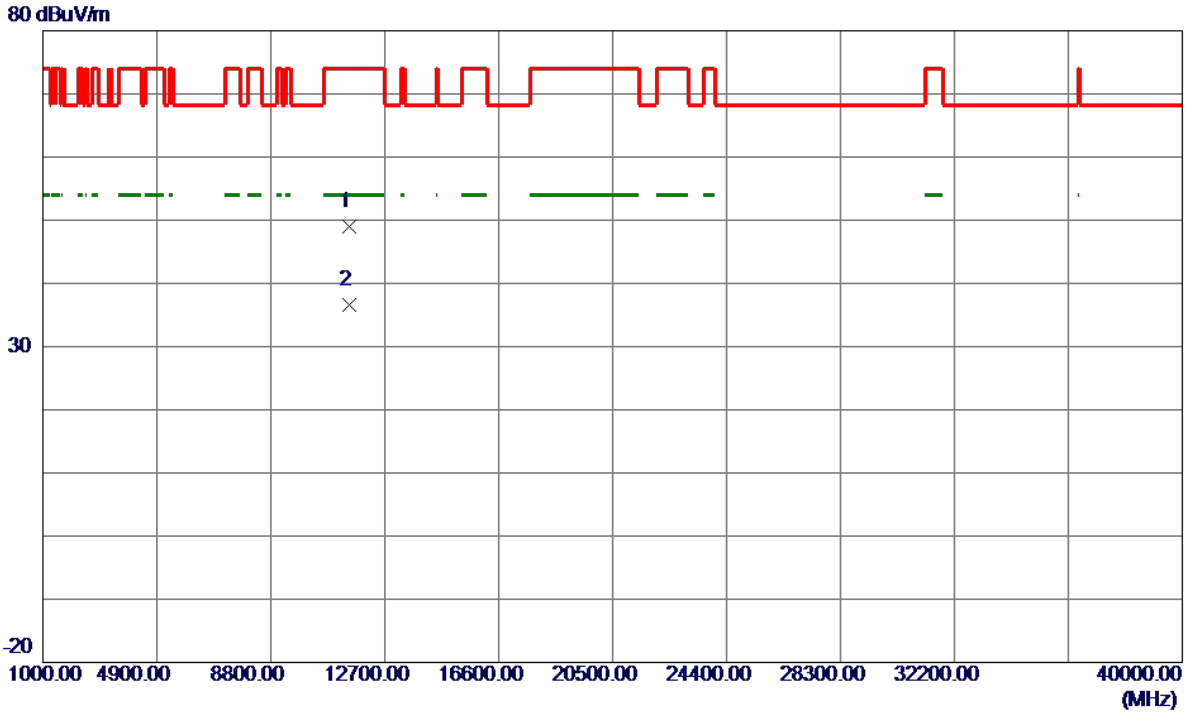
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	59.34	18.40	77.74	109.40	-31.66	Peak	
2	5725.0000	63.57	18.44	82.01	122.20	-40.19	Peak	
3 *	5759.2000	84.45	18.56	103.01	122.20	-19.19	Peak	

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

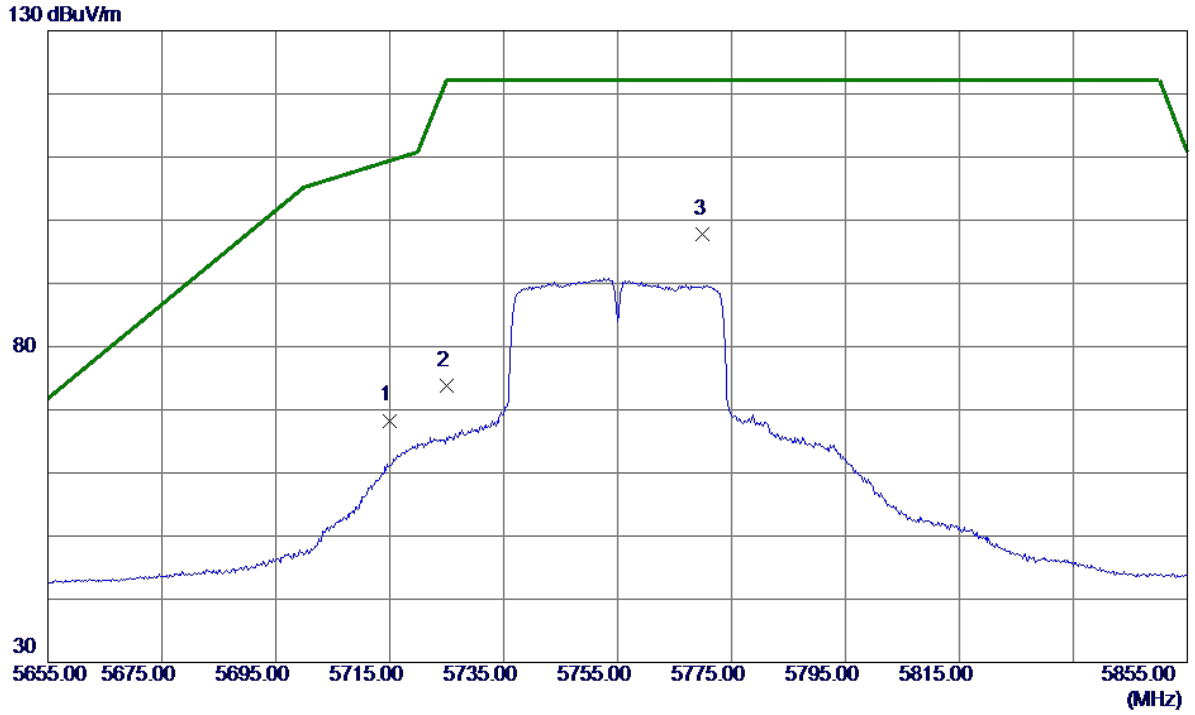
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11505.7000	33.09	15.96	49.05	74.00	-24.95	Peak	
2 *	11506.0000	20.57	15.96	36.53	54.00	-17.47	AVG	

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

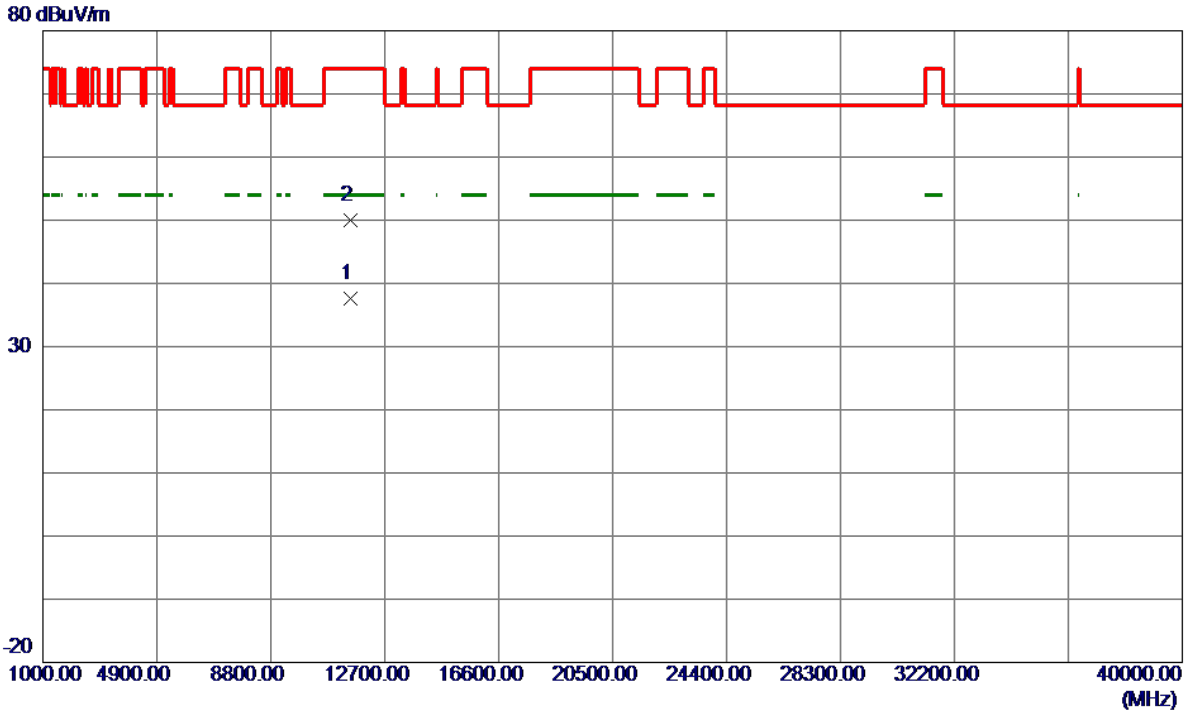
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	49.90	18.40	68.30	109.40	-41.10	Peak	
2	5725.0000	55.40	18.44	73.84	122.20	-48.36	Peak	
3 *	5770.0000	79.12	18.60	97.72	122.20	-24.48	Peak	

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

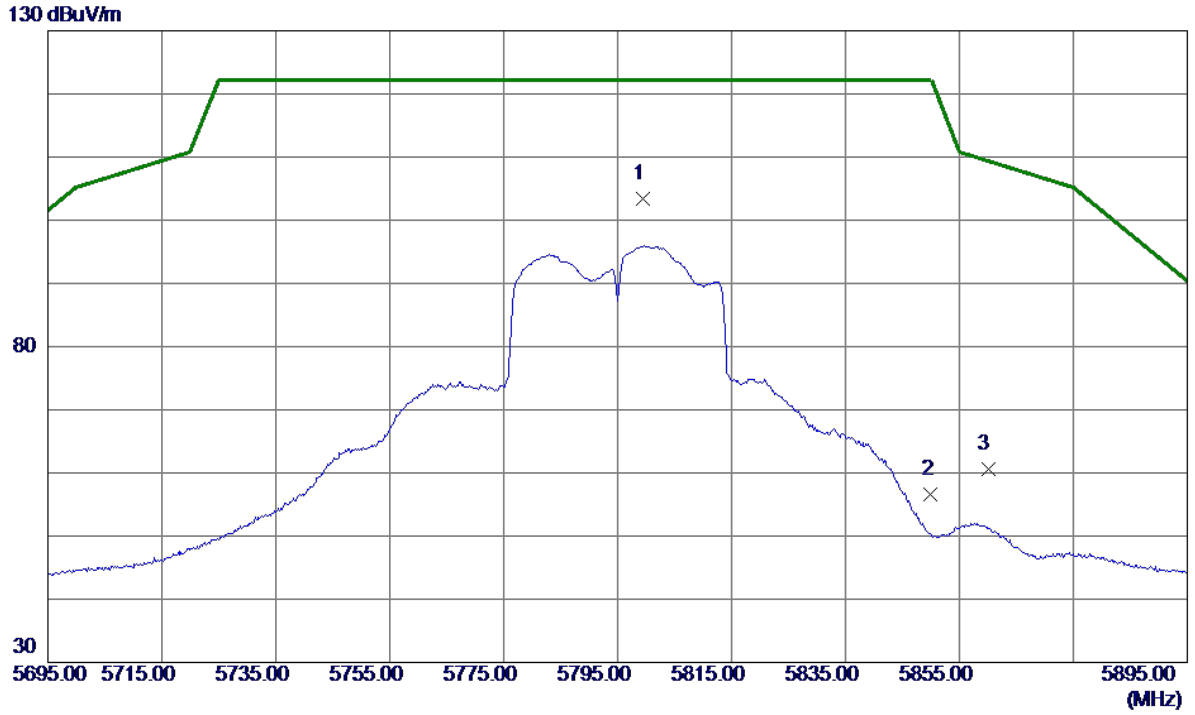
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11510.0000	21.70	15.96	37.66	54.00	-16.34	AVG	
2	11510.2000	34.03	15.96	49.99	74.00	-24.01	Peak	

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

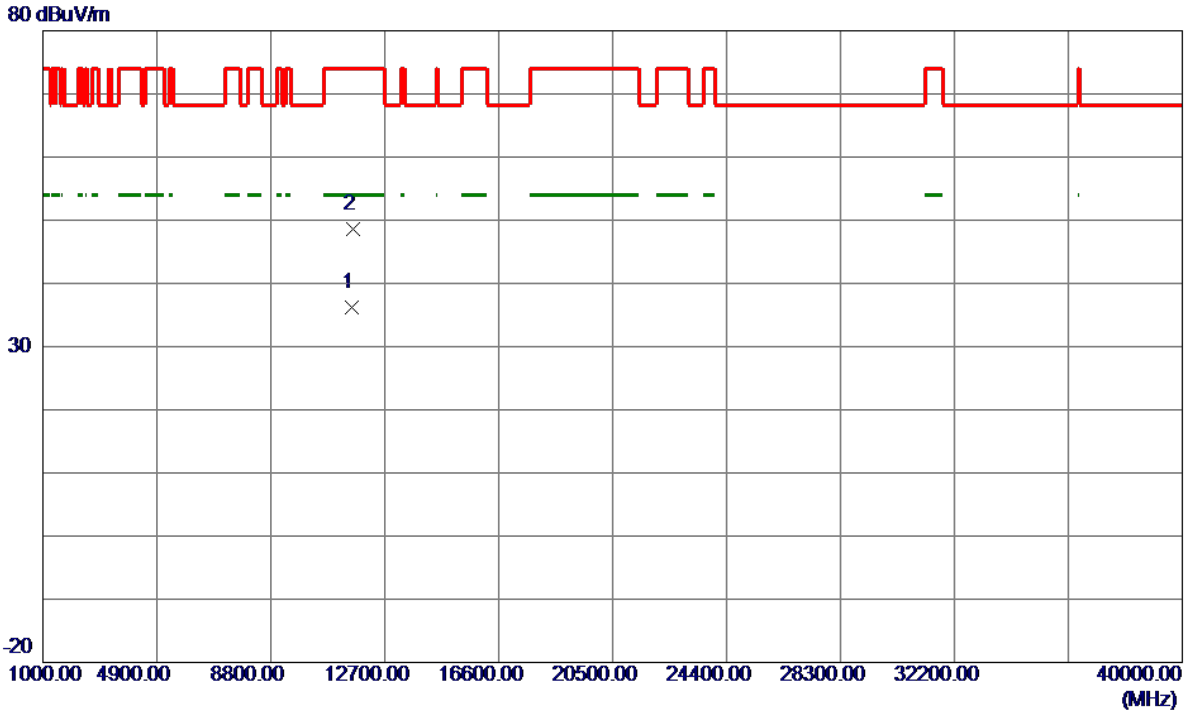
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5799.4000	84.61	18.70	103.31	122.20	-18.89	Peak	
2	5850.0000	37.68	18.88	56.56	122.20	-65.64	Peak	
3	5860.0000	41.70	18.91	60.61	109.40	-48.79	Peak	

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

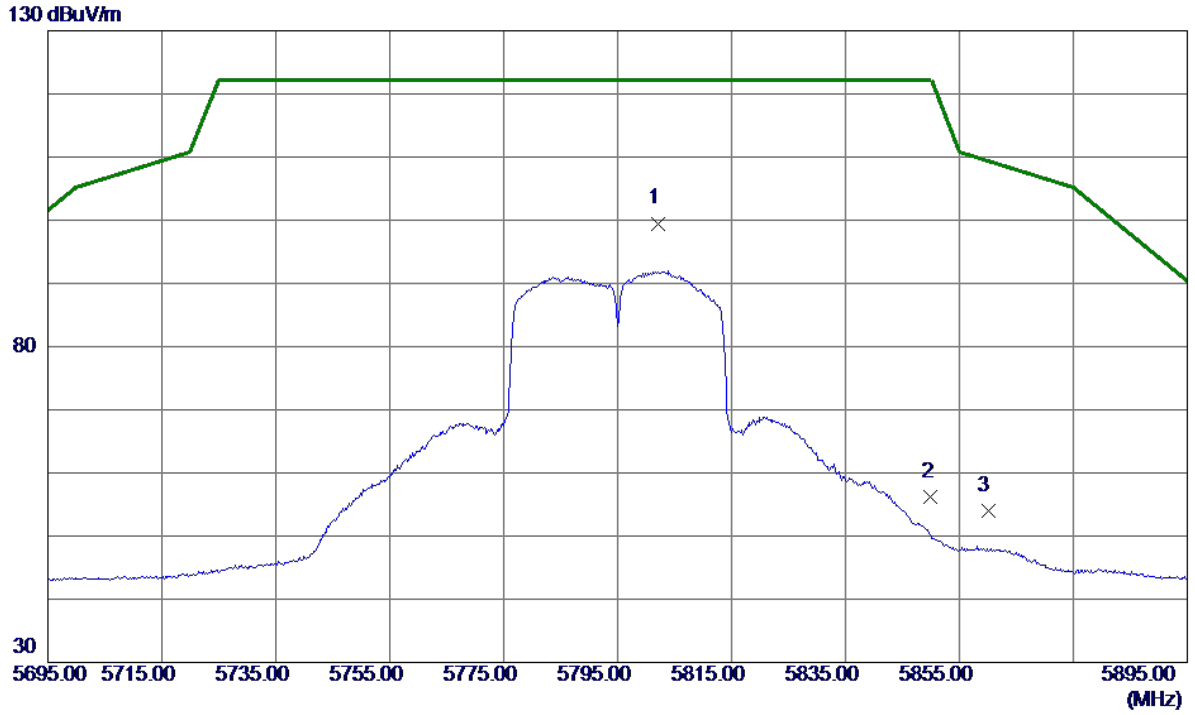
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11590.0000	20.25	16.00	36.25	54.00	-17.75	AVG	
2	11597.9000	32.66	16.01	48.67	74.00	-25.33	Peak	

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

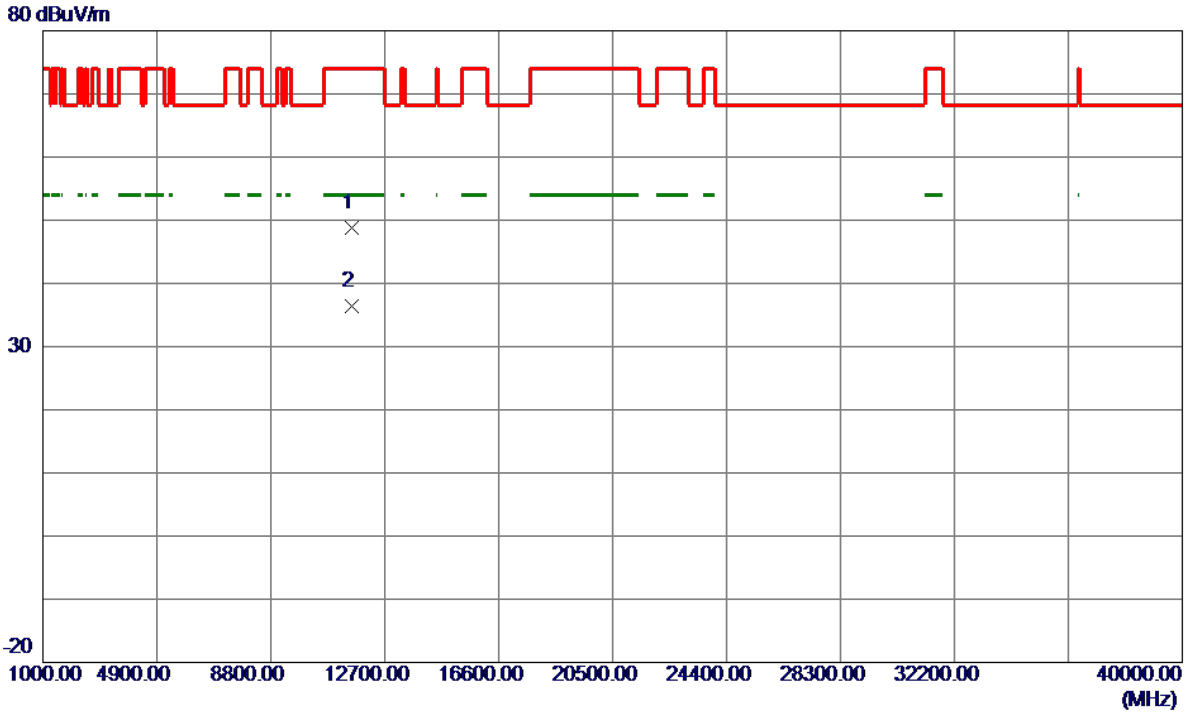
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5802.2000	80.79	18.71	99.50	122.20	-22.70	Peak	
2	5850.0000	37.34	18.88	56.22	122.20	-65.98	Peak	
3	5860.0000	35.02	18.91	53.93	109.40	-55.47	Peak	

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

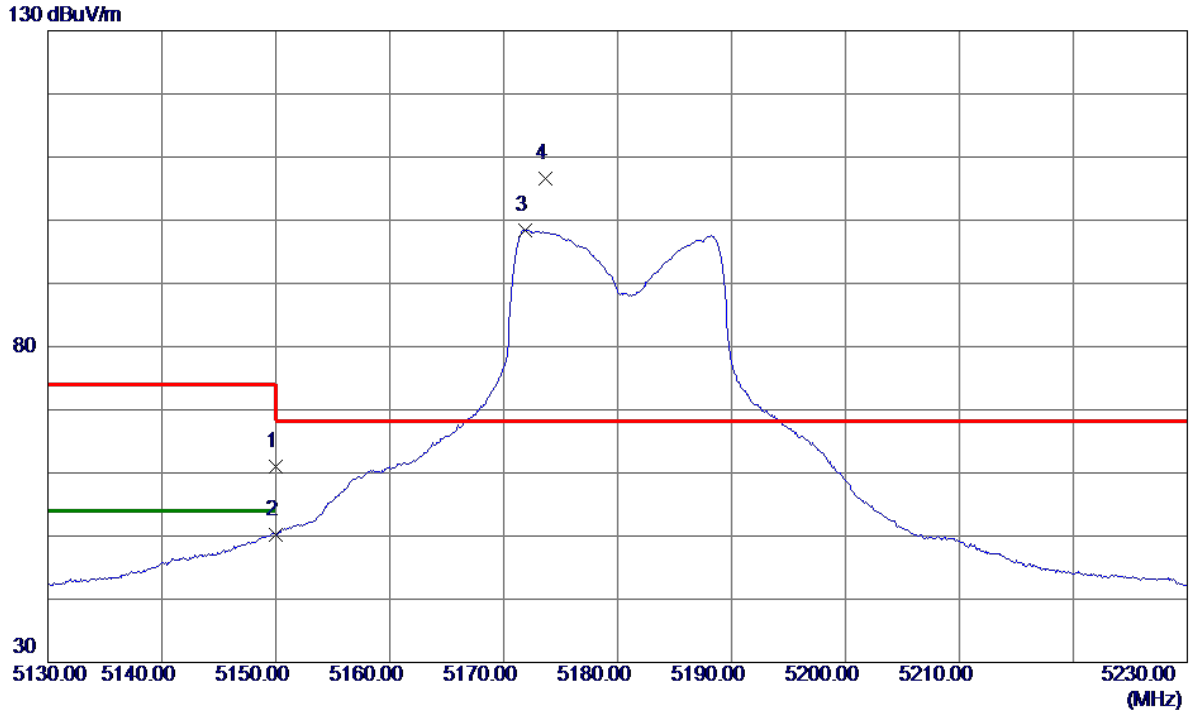
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11584.1500	32.85	16.00	48.85	74.00	-25.15	Peak	
2 *	11589.2500	20.39	16.00	36.39	54.00	-17.61	AVG	

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

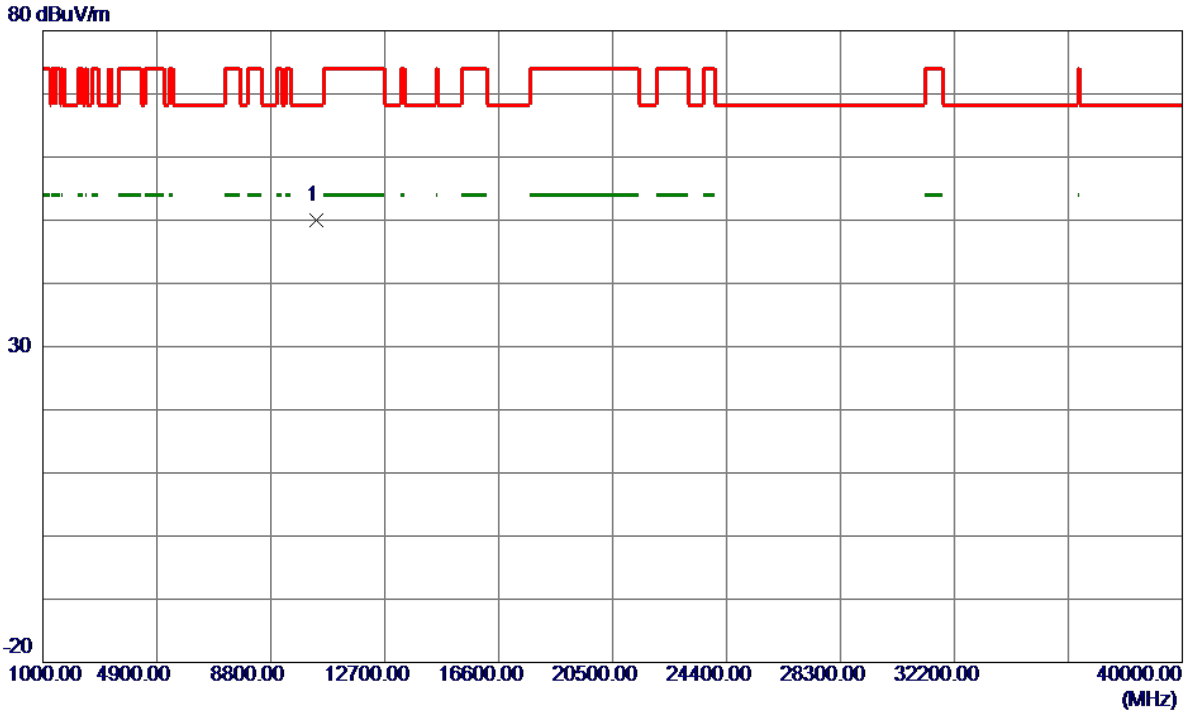
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	44.39	16.65	61.04	74.00	-12.96	Peak	
2	5150.0000	33.49	16.65	50.14	54.00	-3.86	AVG	
3	5171.9000	81.78	16.71	98.49	999.00	-900.51	AVG	No Limit
4 *	5173.7000	89.93	16.71	106.64	68.30	38.34	Peak	No Limit

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

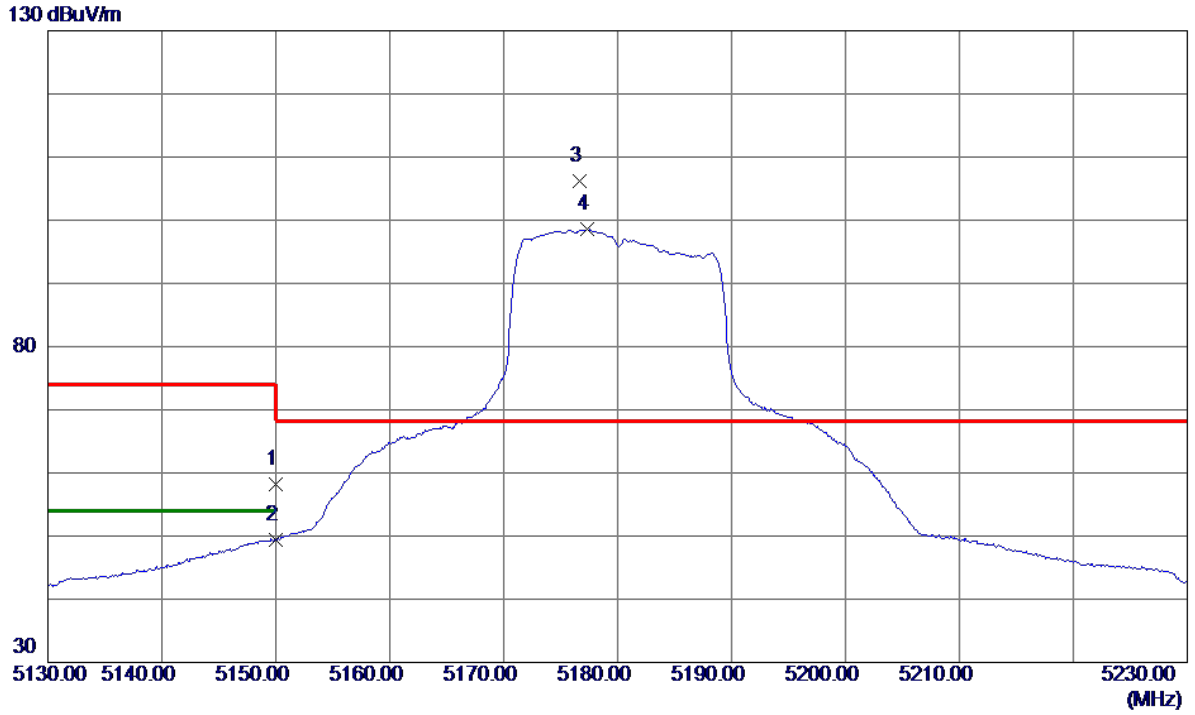
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10357.9500	35.11	14.84	49.95	68.30	-18.35	Peak	

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

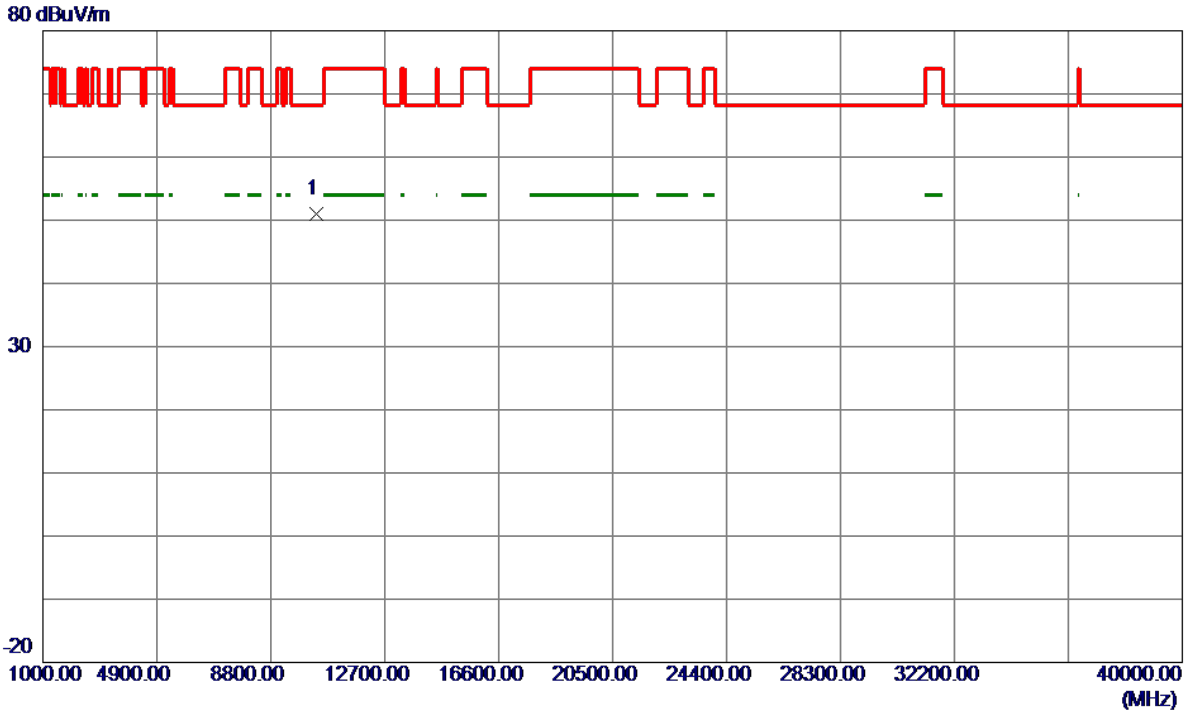
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	41.60	16.65	58.25	74.00	-15.75	Peak	
2	5150.0000	32.66	16.65	49.31	54.00	-4.69	AVG	
3 *	5176.7000	89.49	16.72	106.21	68.30	37.91	Peak	No Limit
4	5177.3000	81.84	16.72	98.56	999.00	-900.44	AVG	No Limit

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

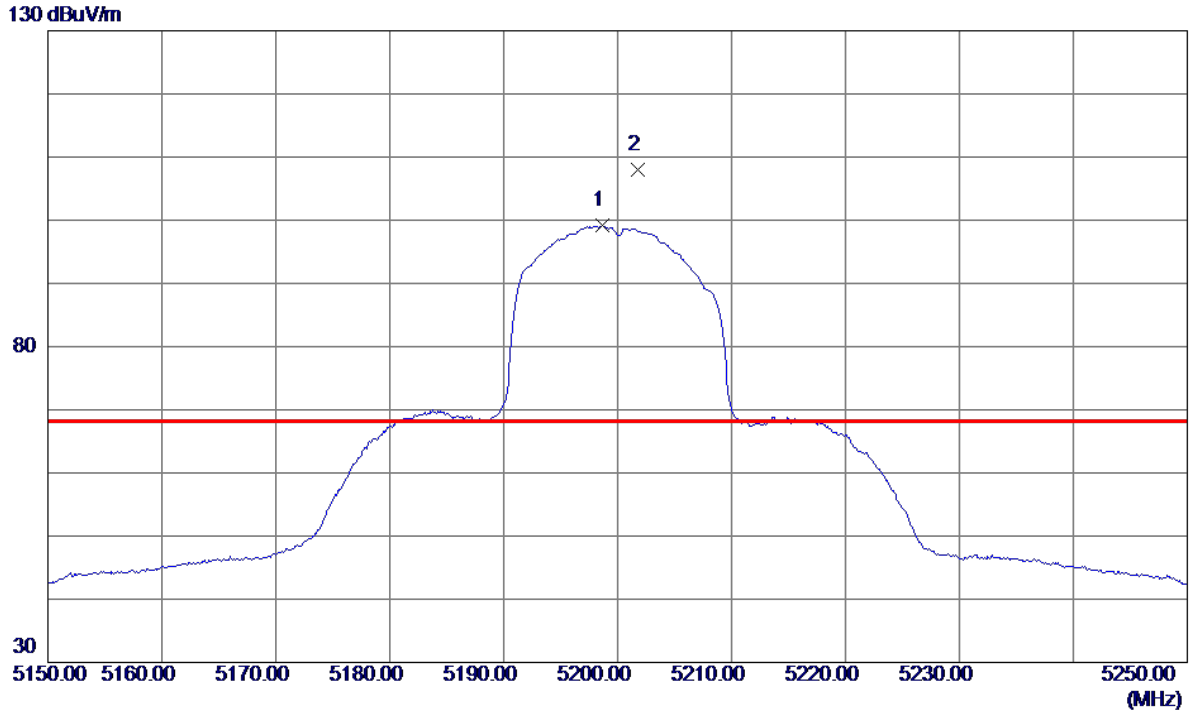
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.5000	36.08	14.85	50.93	68.30	-17.37	Peak	

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

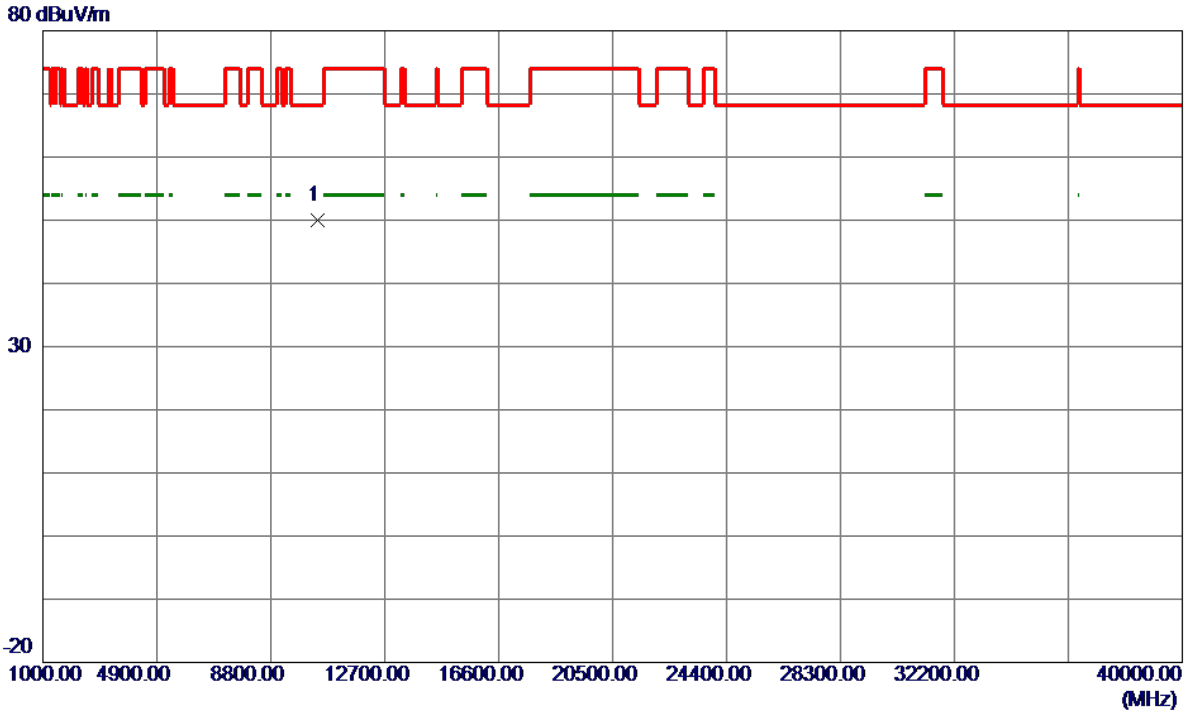
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5198.7000	82.33	16.78	99.11	999.00	-899.89	AVG	No Limit
2 *	5201.8000	91.29	16.79	108.08	68.30	39.78	Peak	No Limit

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

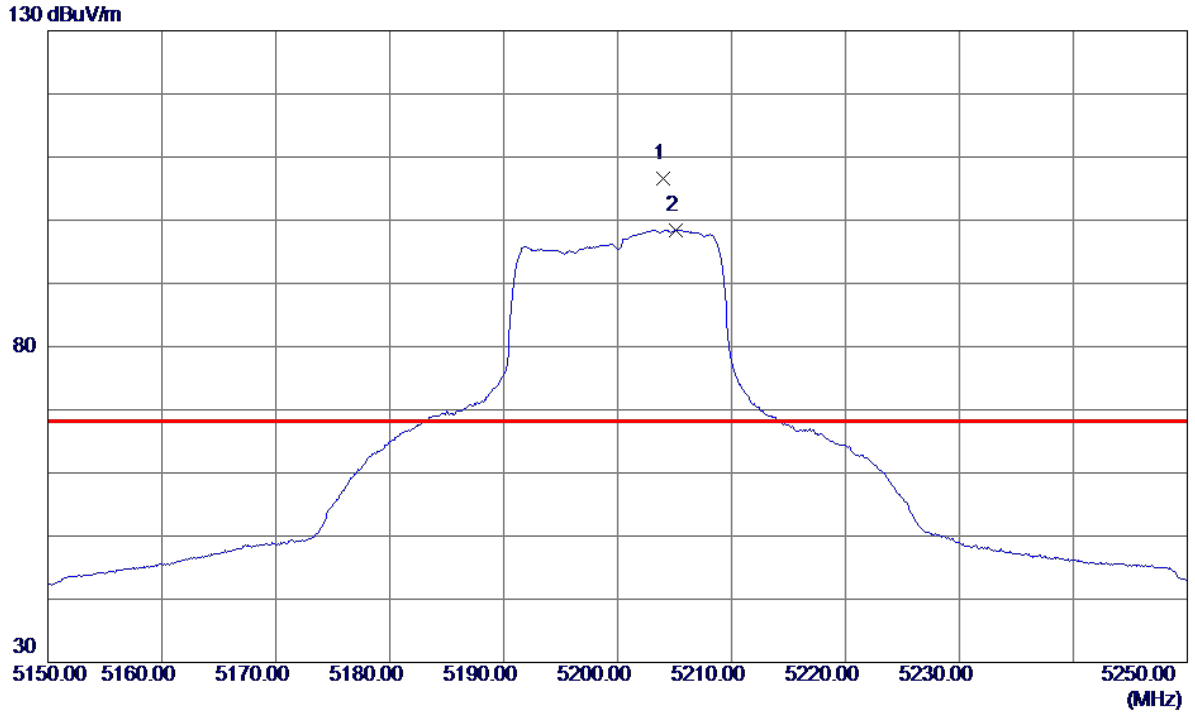
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10396.2500	35.13	14.91	50.04	68.30	-18.26	Peak	

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

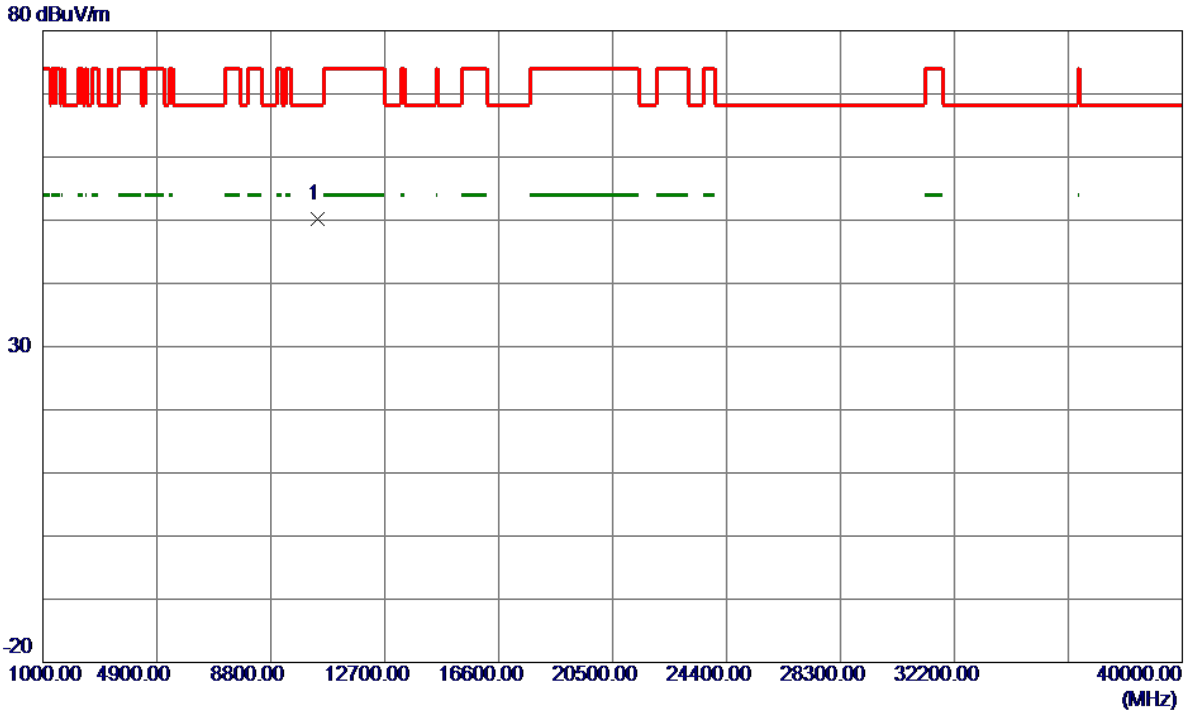
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5204.0000	89.78	16.80	106.58	68.30	38.28	Peak	No Limit
2	5205.1000	81.64	16.80	98.44	999.00	-900.56	AVG	No Limit

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

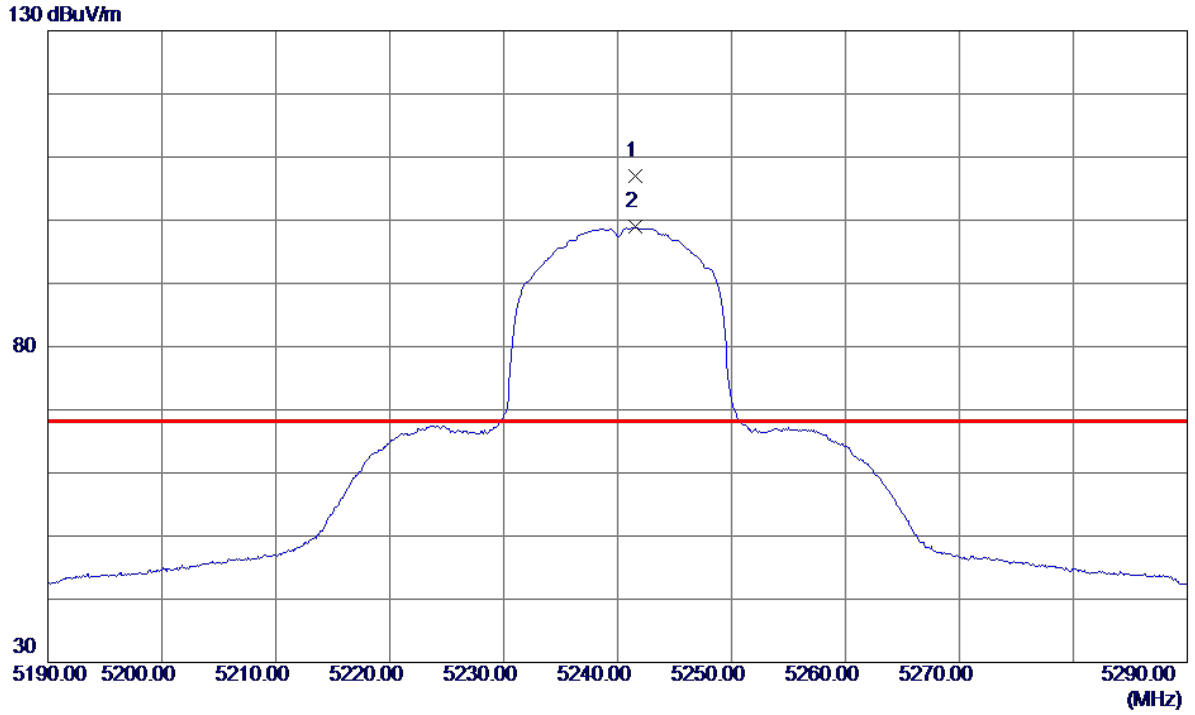
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10403.8000	35.24	14.92	50.16	68.30	-18.14	Peak	

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

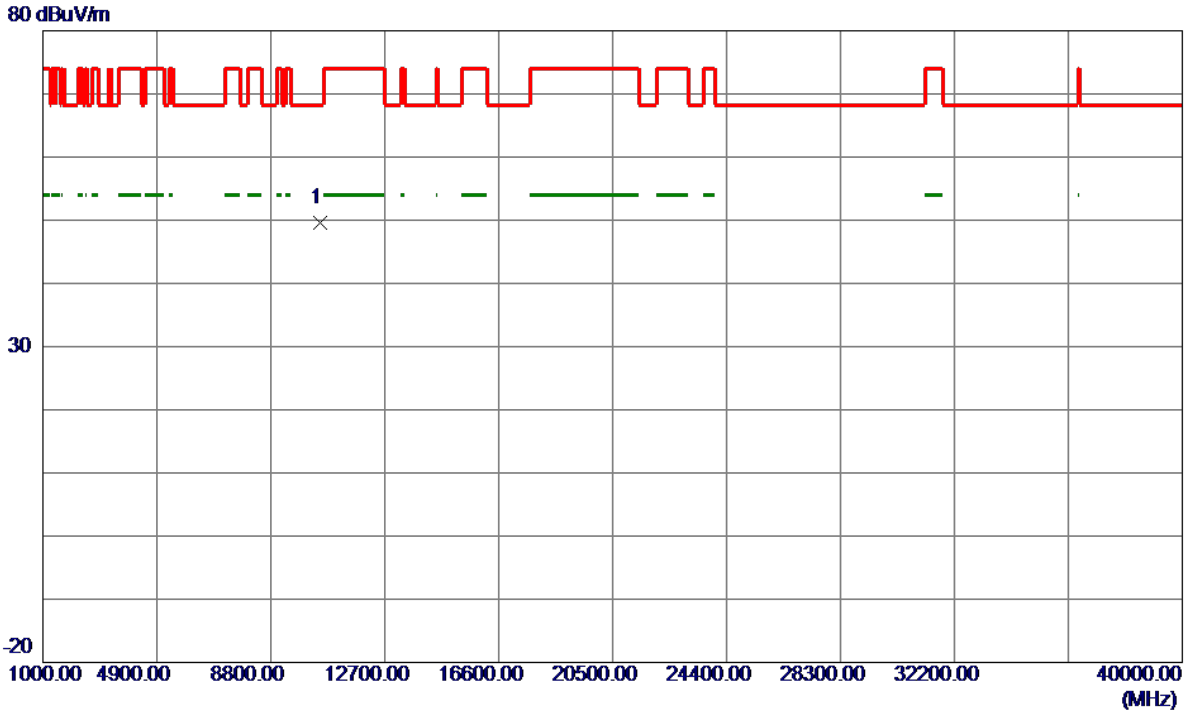
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5241.6000	90.04	16.91	106.95	68.30	38.65	Peak	No Limit
2	5241.6000	82.01	16.91	98.92	999.00	-900.08	AVG	No Limit

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

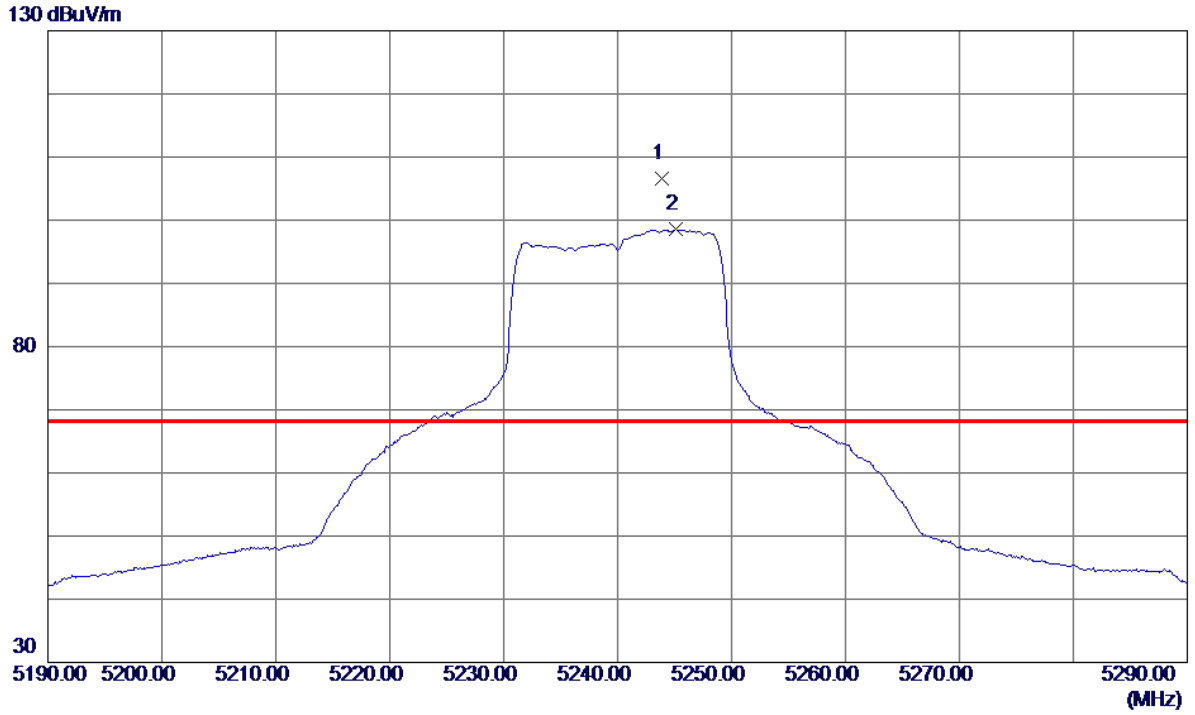
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10487.3500	34.52	15.07	49.59	68.30	-18.71	Peak	

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

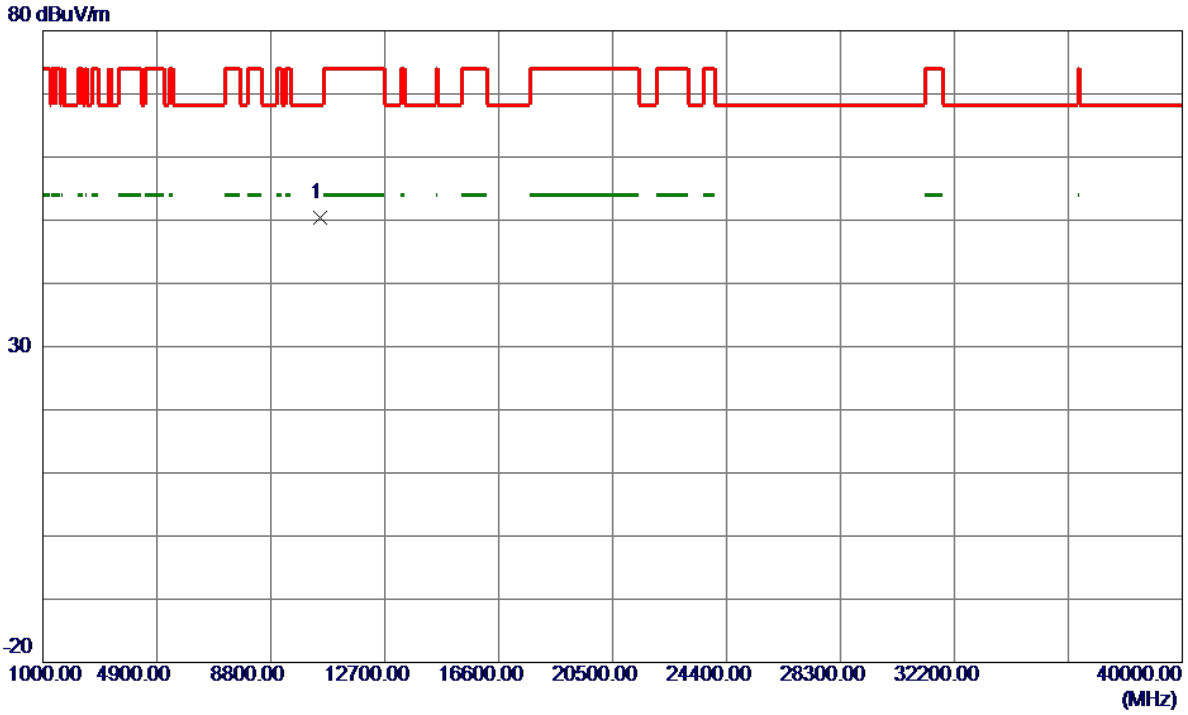
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5243.9000	89.68	16.91	106.59	68.30	38.29	Peak	No Limit
2	5245.1000	81.59	16.92	98.51	999.00	-900.49	AVG	No Limit

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

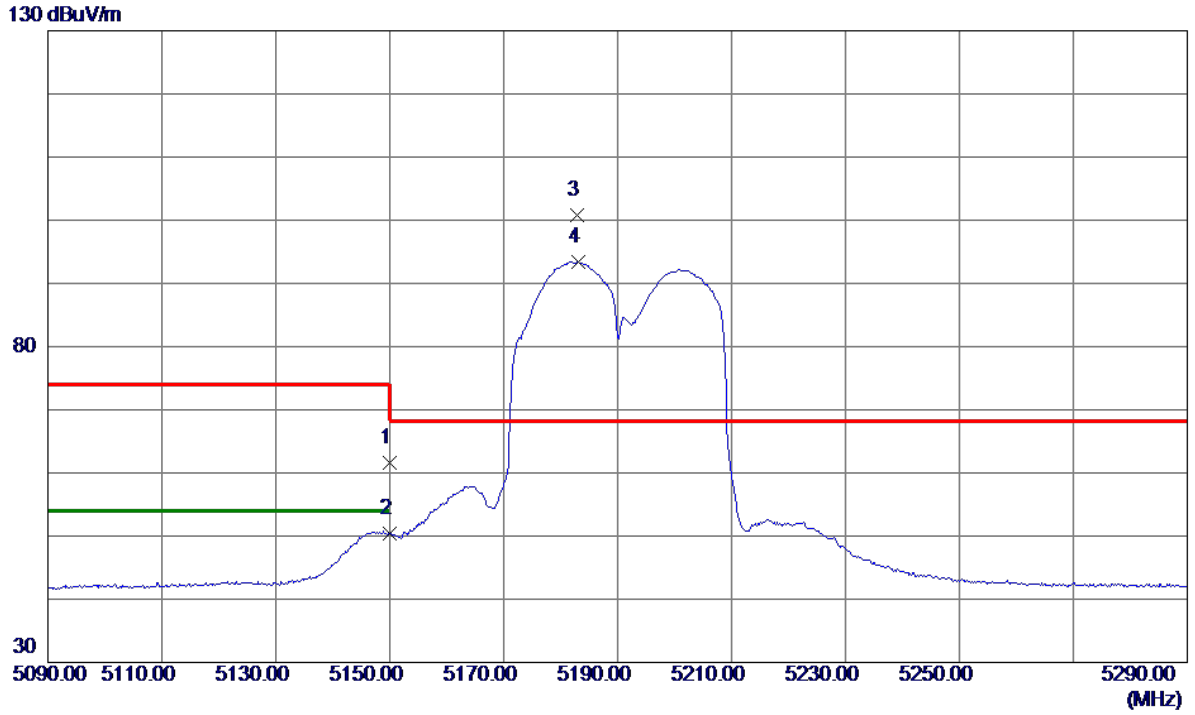
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10485.0000	35.31	15.07	50.38	68.30	-17.92	Peak	

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

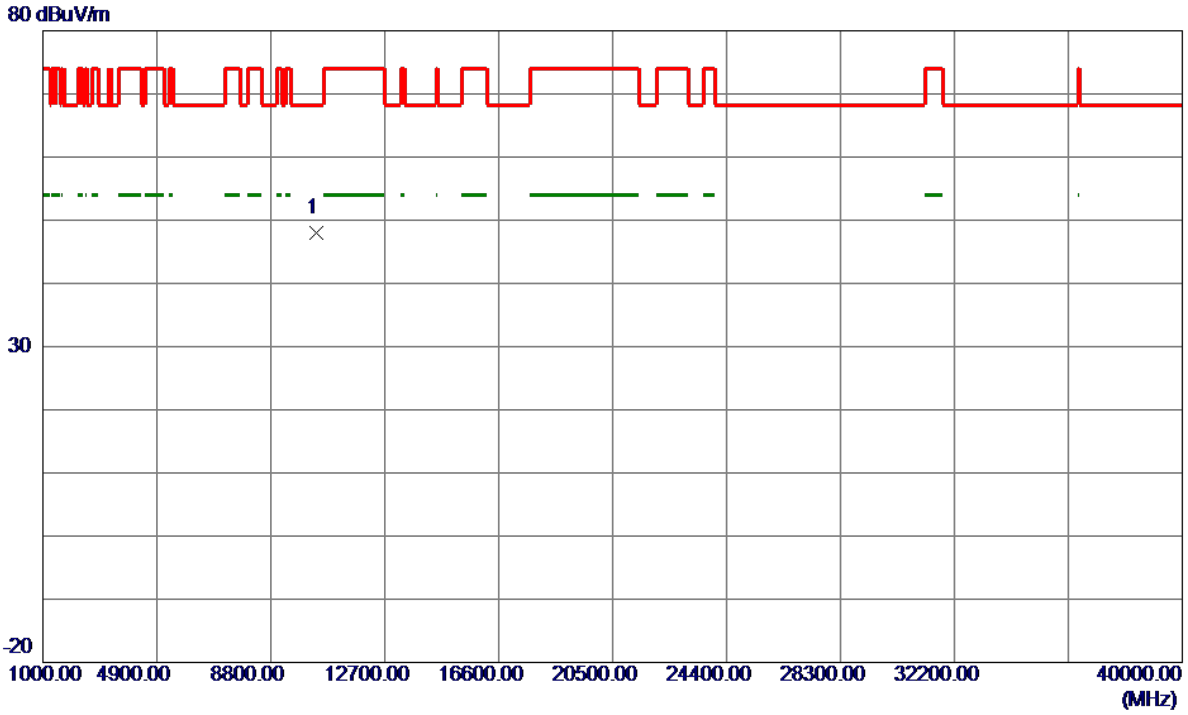
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	44.94	16.65	61.59	74.00	-12.41	Peak	
2	5150.0000	33.68	16.65	50.33	54.00	-3.67	AVG	
3 *	5182.8000	84.06	16.74	100.80	68.30	32.50	Peak	No Limit
4	5183.2000	76.64	16.74	93.38	999.00	-905.62	AVG	No Limit

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

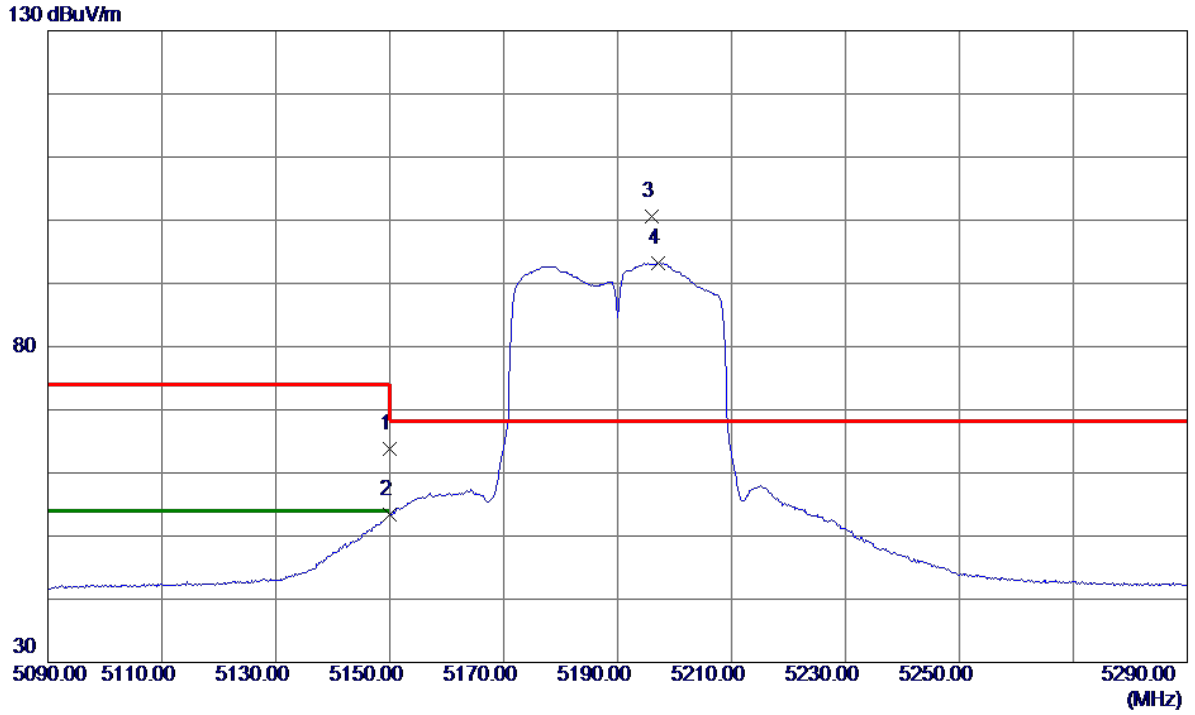
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10370.3000	33.22	14.87	48.09	68.30	-20.21	Peak	

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

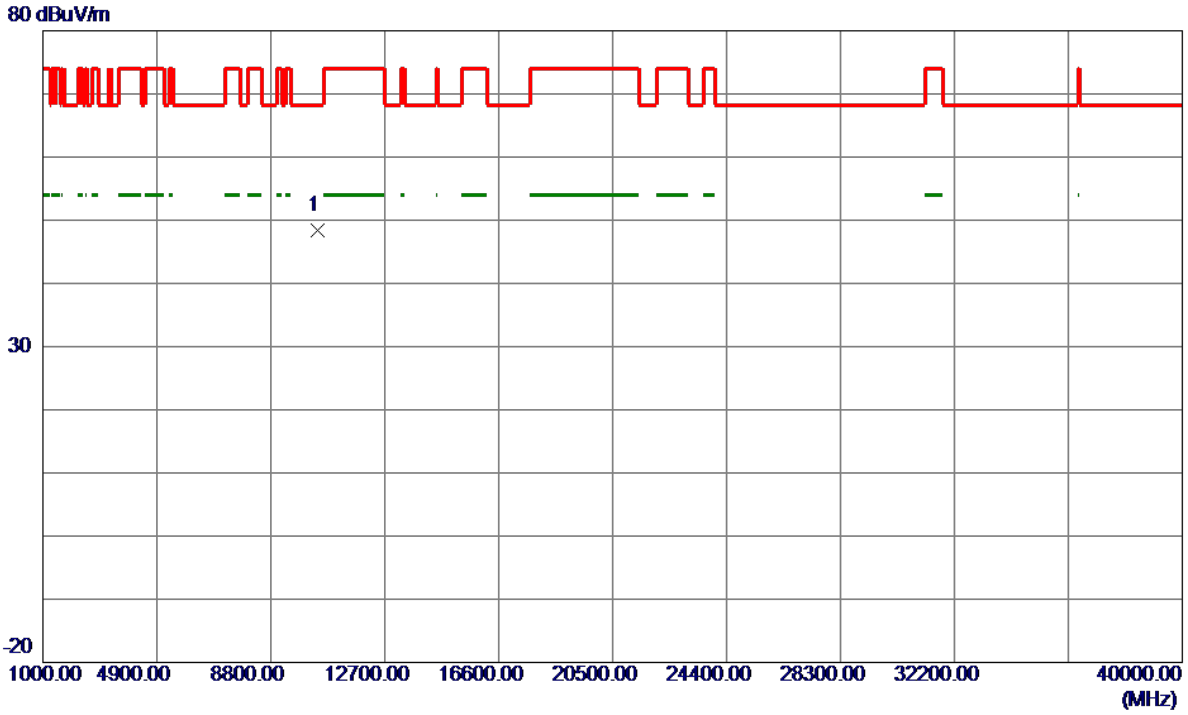
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	47.23	16.65	63.88	74.00	-10.12	Peak	
2	5150.0000	36.80	16.65	53.45	54.00	-0.55	AVG	
3 *	5196.0000	83.86	16.78	100.64	68.30	32.34	Peak	No Limit
4	5197.2000	76.41	16.78	93.19	999.00	-905.81	AVG	No Limit

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

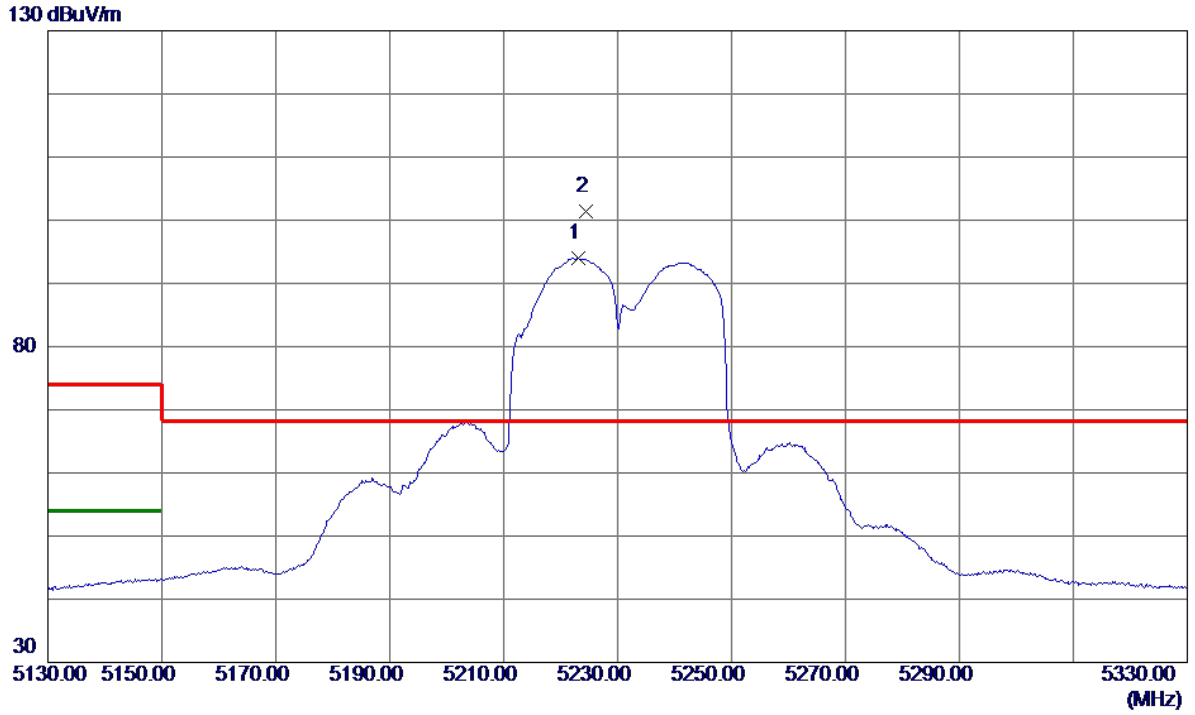
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10383.2000	33.55	14.89	48.44	68.30	-19.86	Peak	

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

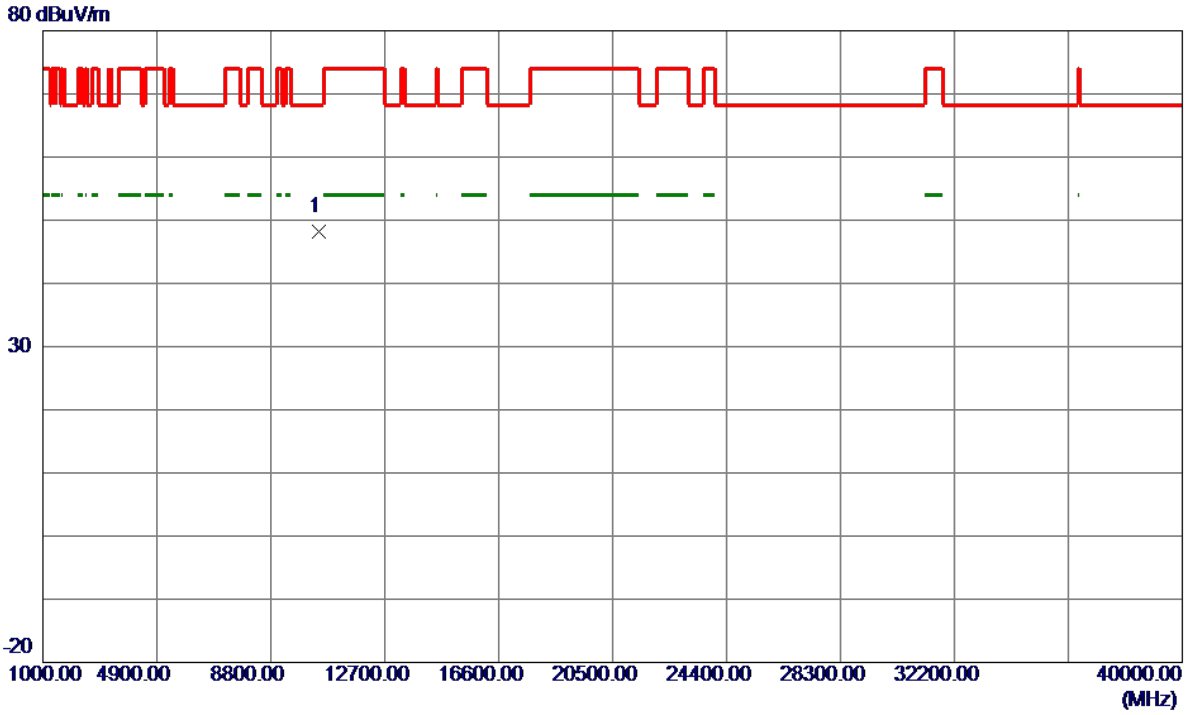
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5223.2000	77.20	16.85	94.05	999.00	-904.95	AVG	No Limit
2 *	5224.4000	84.56	16.86	101.42	68.30	33.12	Peak	No Limit

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

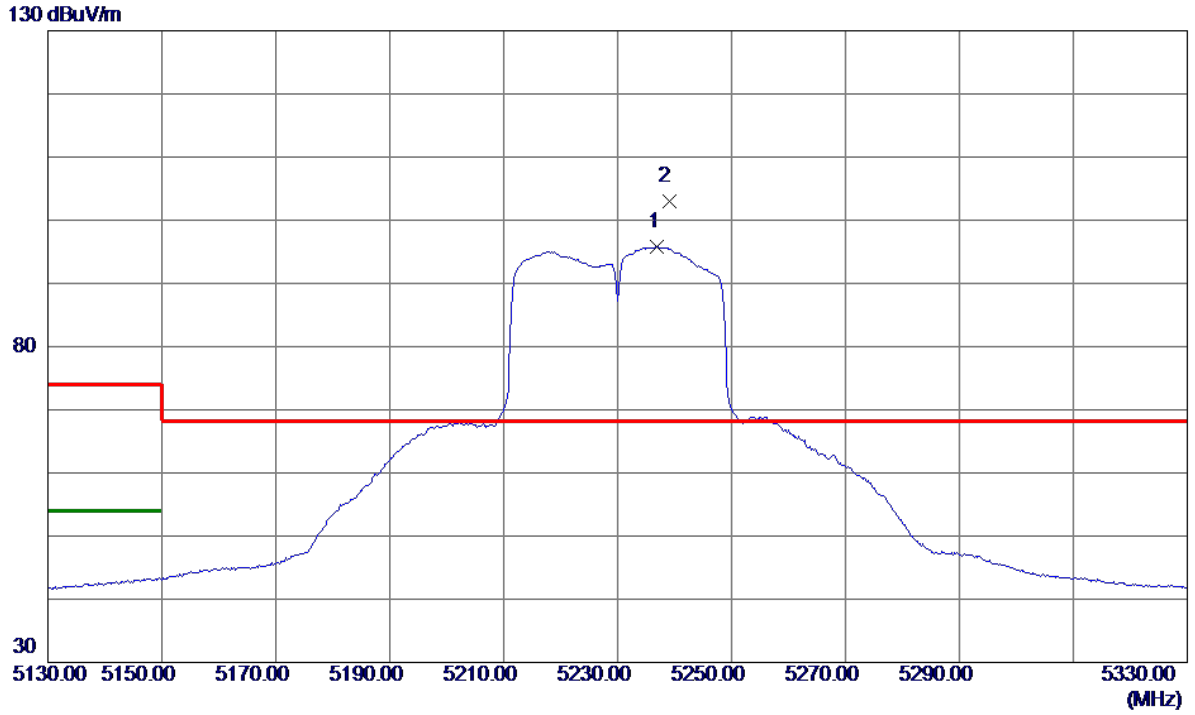
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10466.9500	33.22	15.04	48.26	68.30	-20.04	Peak	

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

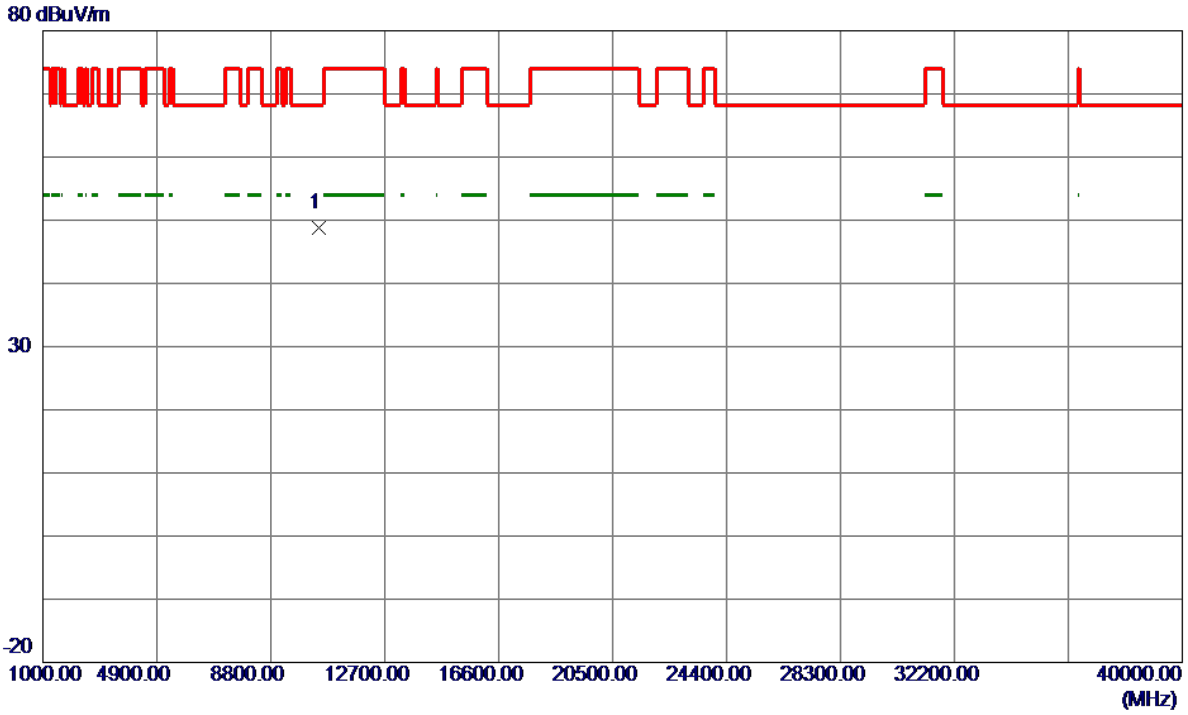
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5237.0000	78.90	16.89	95.79	999.00	-903.21	AVG	No Limit
2 *	5239.0000	86.20	16.90	103.10	68.30	34.80	Peak	No Limit

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

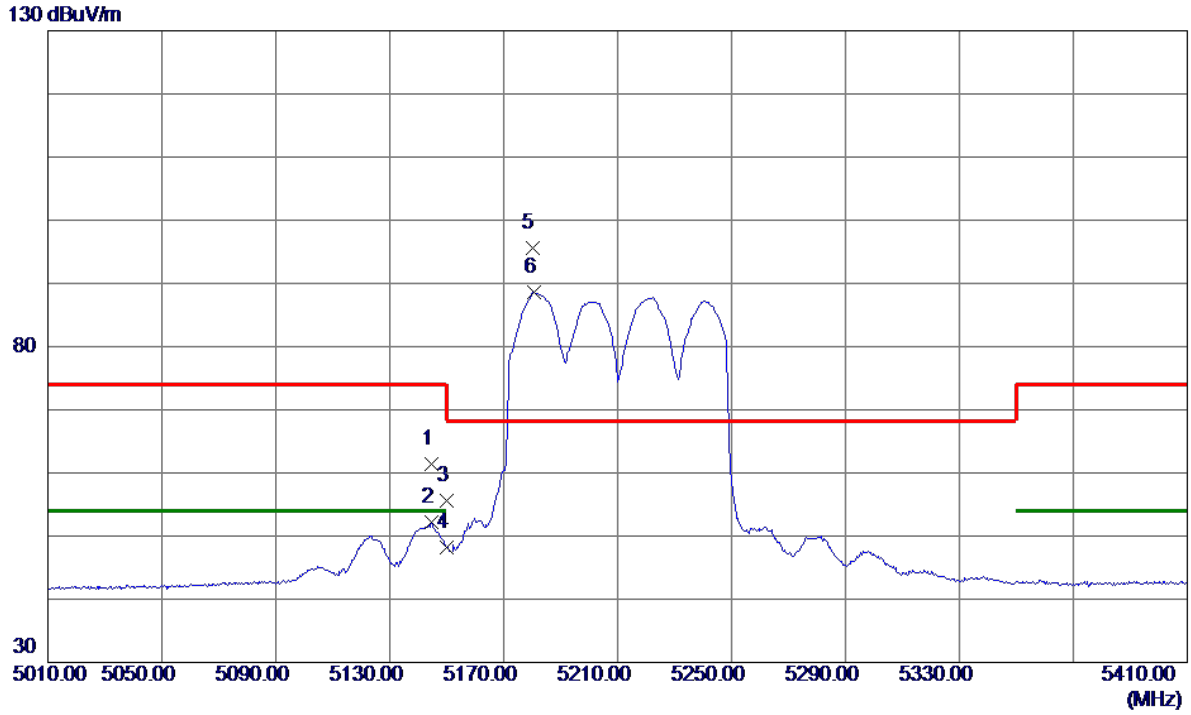
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10467.4000	33.76	15.04	48.80	68.30	-19.50	Peak	

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

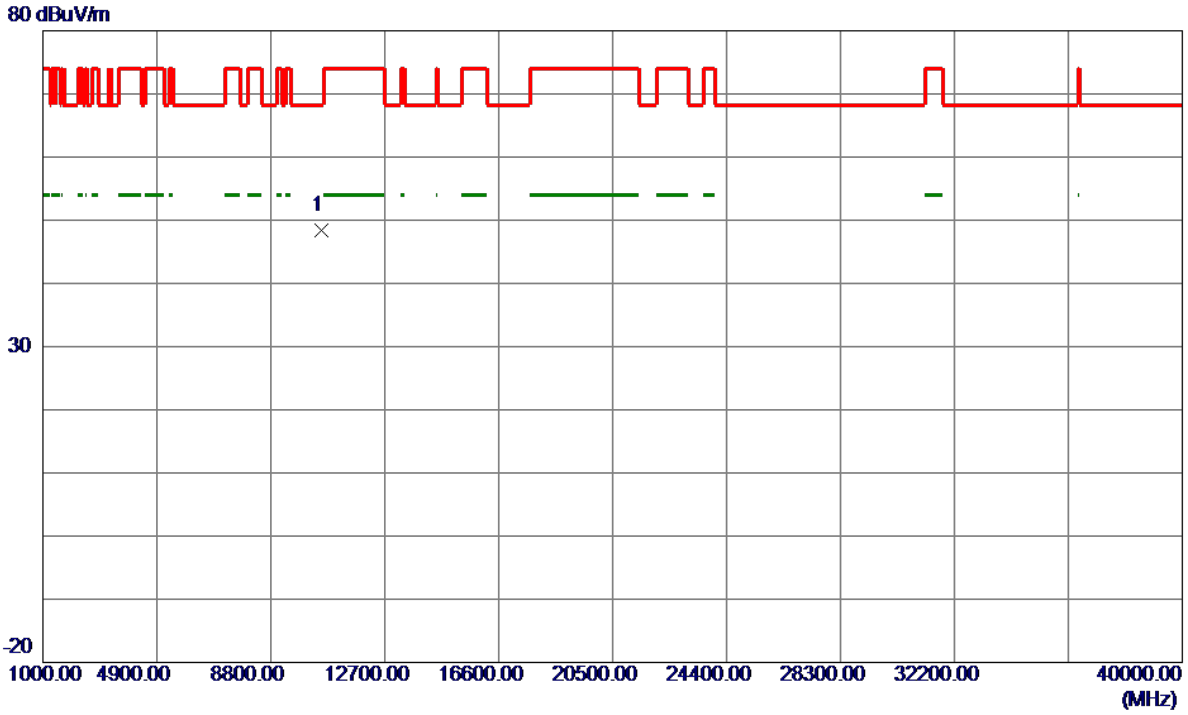
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5144.8000	44.77	16.63	61.40	74.00	-12.60	Peak	
2	5144.8000	35.60	16.63	52.23	54.00	-1.77	AVG	
3	5150.0000	38.99	16.65	55.64	74.00	-18.36	Peak	
4	5150.0000	31.62	16.65	48.27	54.00	-5.73	AVG	
5 *	5180.0000	78.92	16.73	95.65	68.30	27.35	Peak	No Limit
6	5180.8000	71.81	16.73	88.54	999.00	-910.46	AVG	No Limit

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

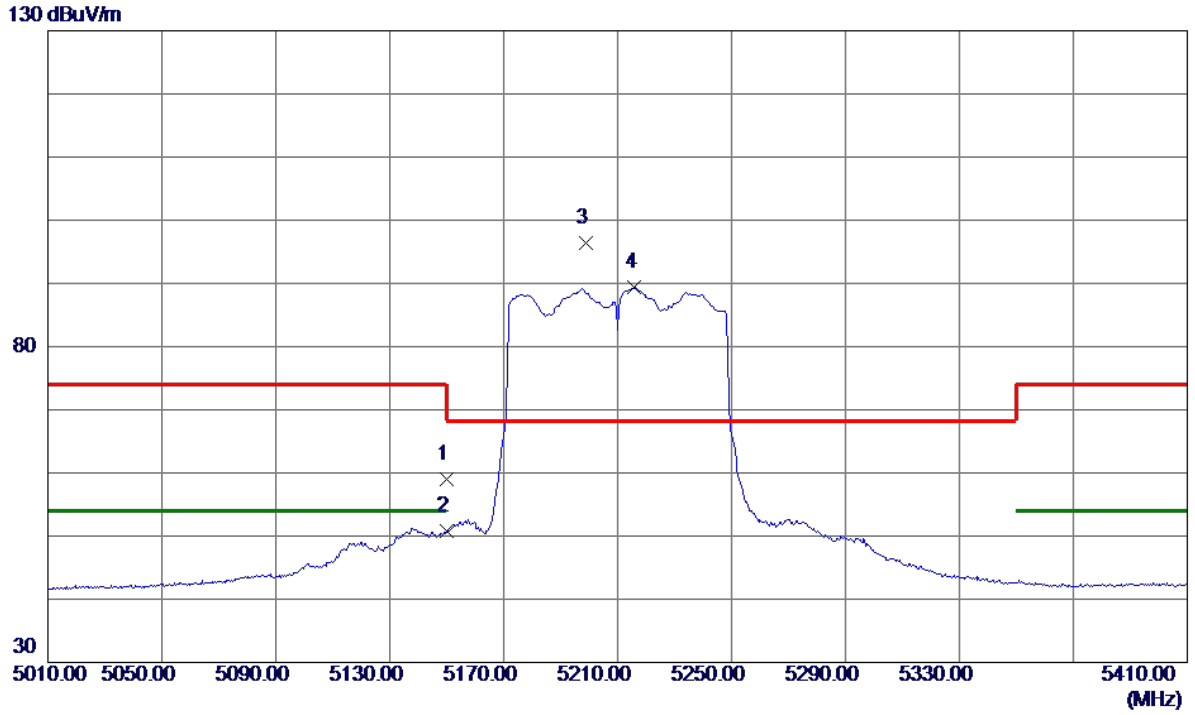
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10513.4000	33.28	15.10	48.38	68.30	-19.92	Peak	

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

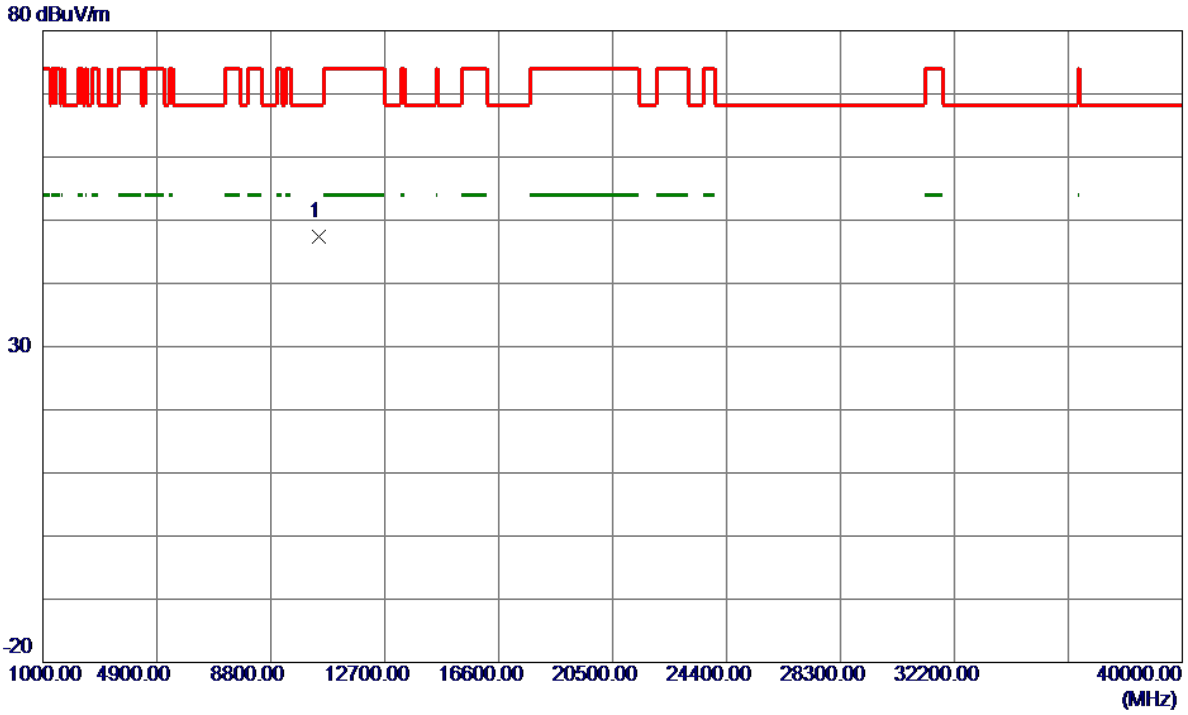
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	42.26	16.65	58.91	74.00	-15.09	Peak	
2	5150.0000	34.18	16.65	50.83	54.00	-3.17	AVG	
3 *	5198.8000	79.53	16.78	96.31	68.30	28.01	Peak	No Limit
4	5216.0000	72.65	16.83	89.48	999.00	-909.52	AVG	No Limit

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

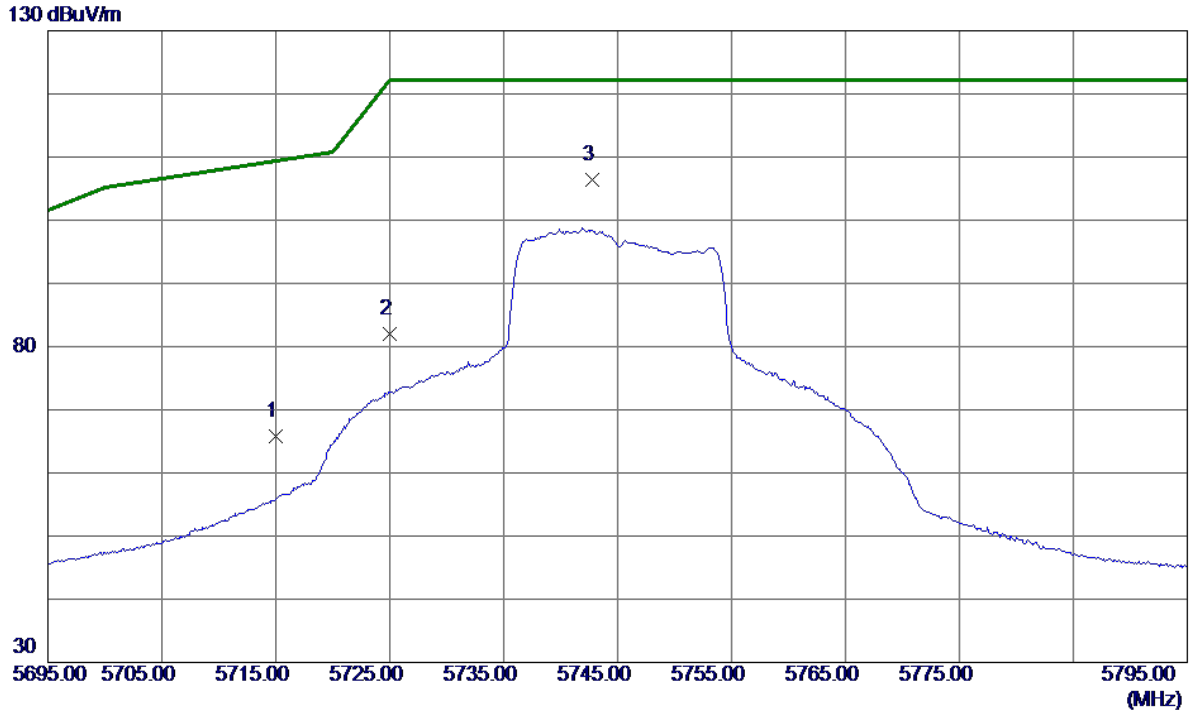
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10425.8000	32.47	14.96	47.43	68.30	-20.87	Peak	

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

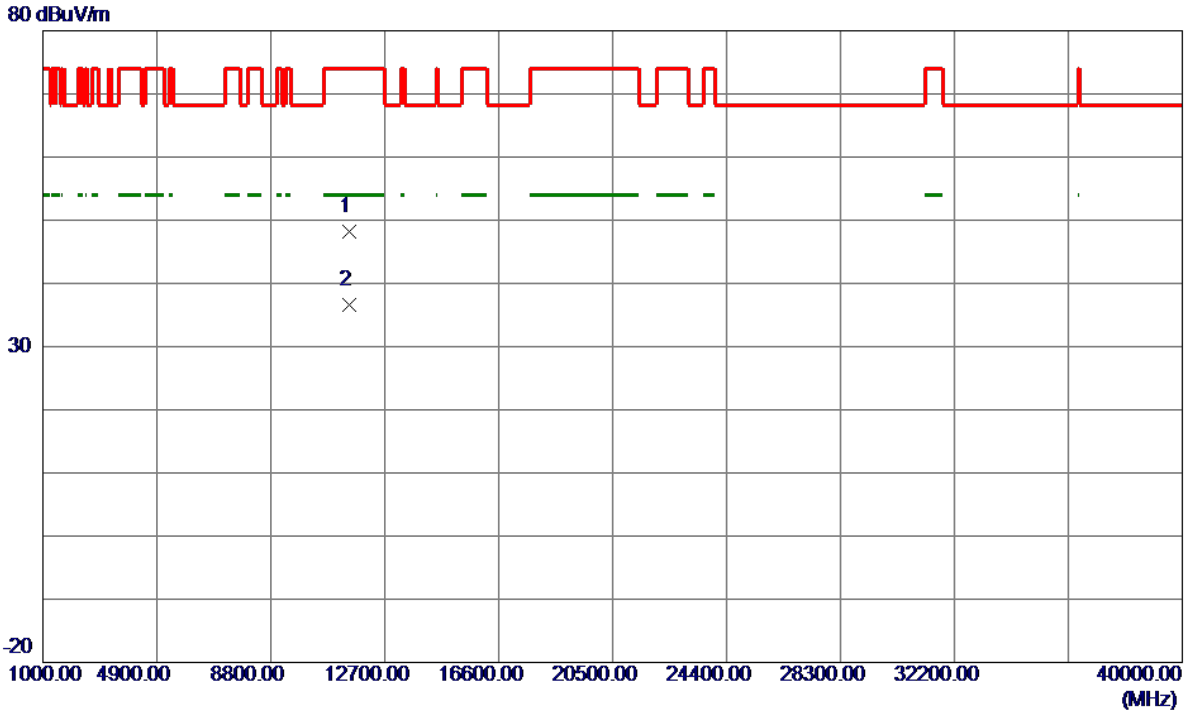
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	47.43	18.40	65.83	109.40	-43.57	Peak	
2	5725.0000	63.57	18.44	82.01	122.20	-40.19	Peak	
3 *	5742.8000	87.84	18.50	106.34	122.20	-15.86	Peak	

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

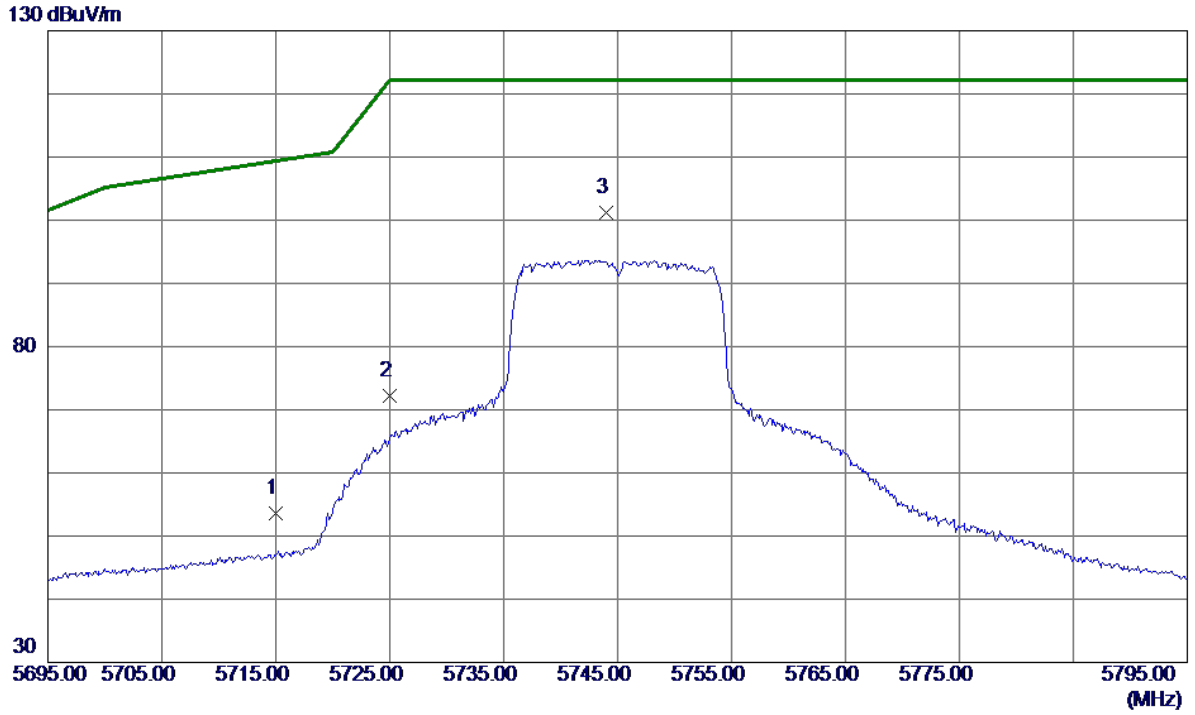
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11482.3500	32.26	15.94	48.20	74.00	-25.80	Peak	
2 *	11484.5500	20.67	15.94	36.61	54.00	-17.39	AVG	

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

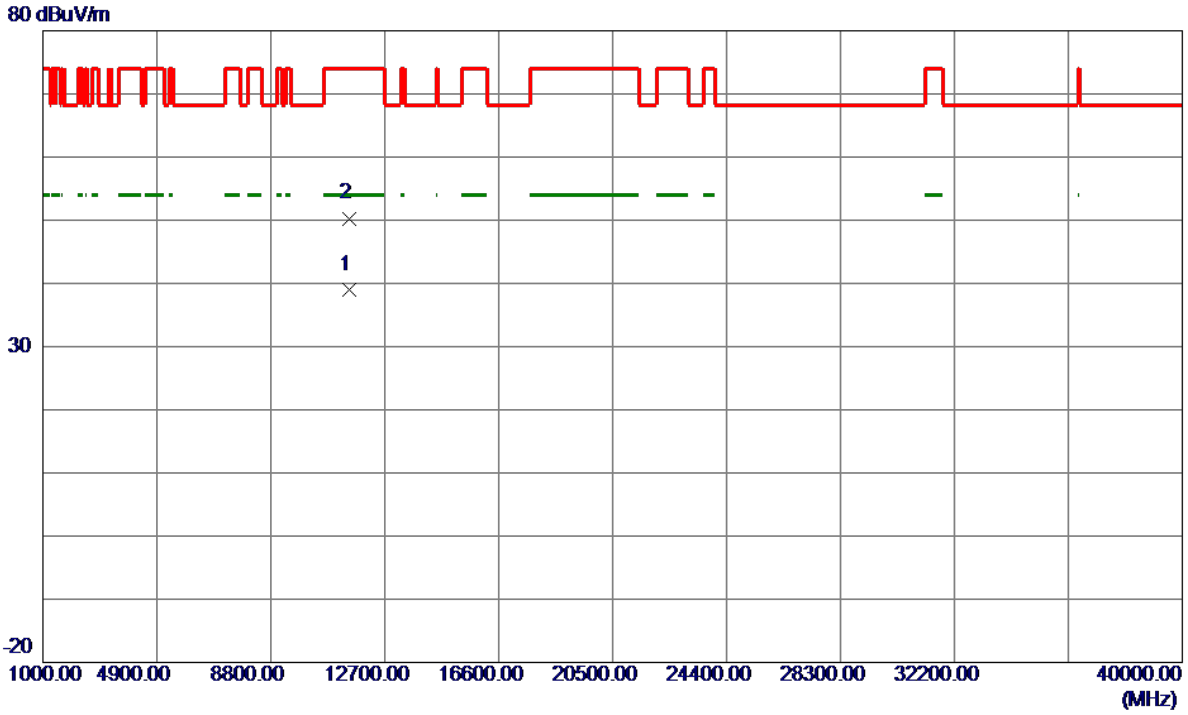
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	35.14	18.40	53.54	109.40	-55.86	Peak	
2	5725.0000	53.80	18.44	72.24	122.20	-49.96	Peak	
3 *	5744.0000	82.74	18.50	101.24	122.20	-20.96	Peak	

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

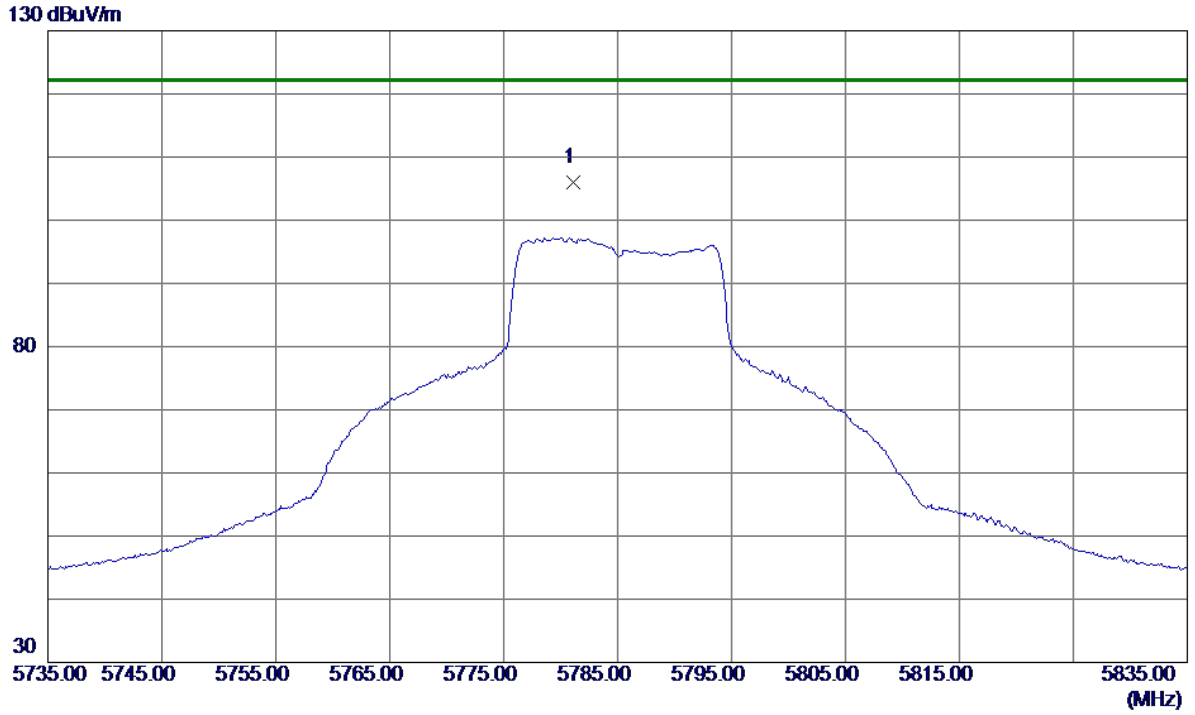
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11490.0500	22.97	15.94	38.91	54.00	-15.09	AVG	
2	11492.2500	34.35	15.95	50.30	74.00	-23.70	Peak	

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

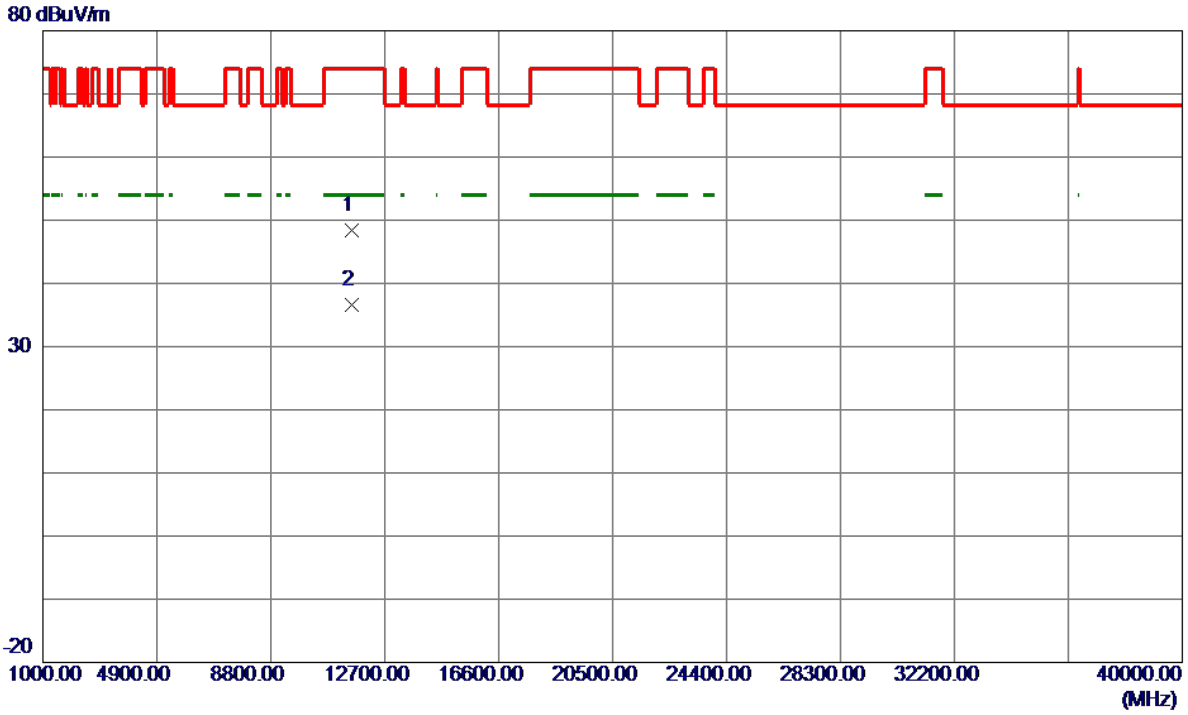
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5781.1000	87.43	18.64	106.07	122.20	-16.13	Peak	

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

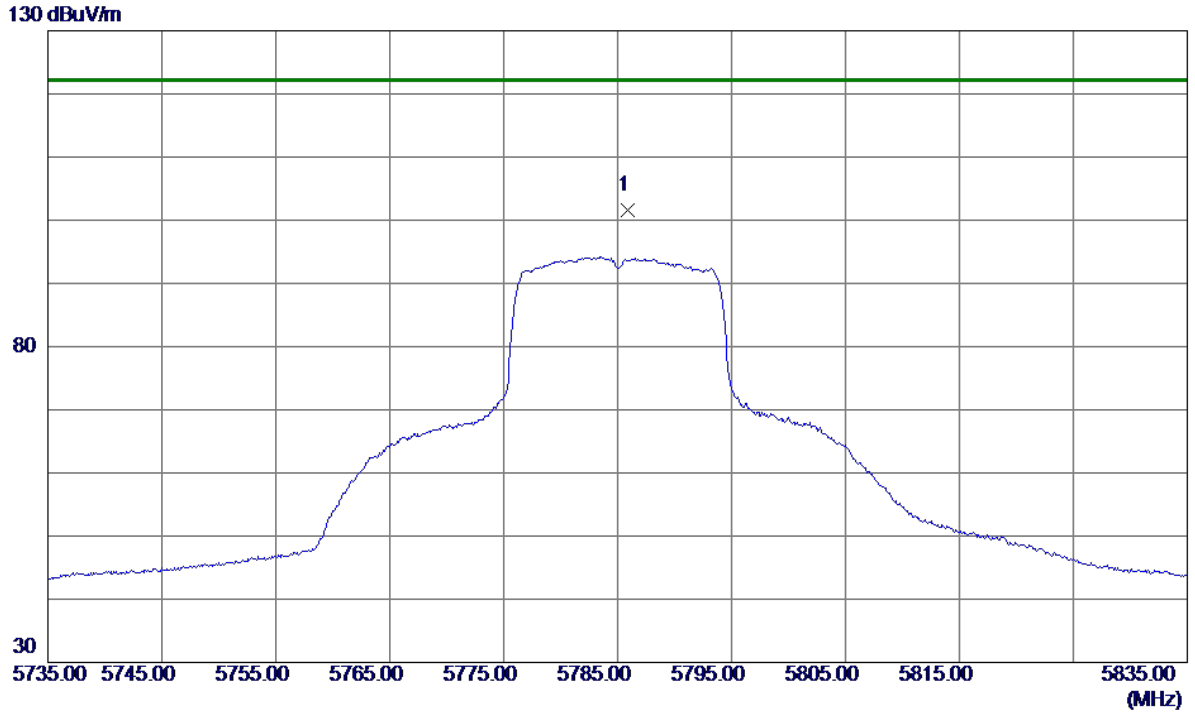
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11561.3000	32.39	15.99	48.38	74.00	-25.62	Peak	
2 *	11561.8000	20.58	15.99	36.57	54.00	-17.43	AVG	

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

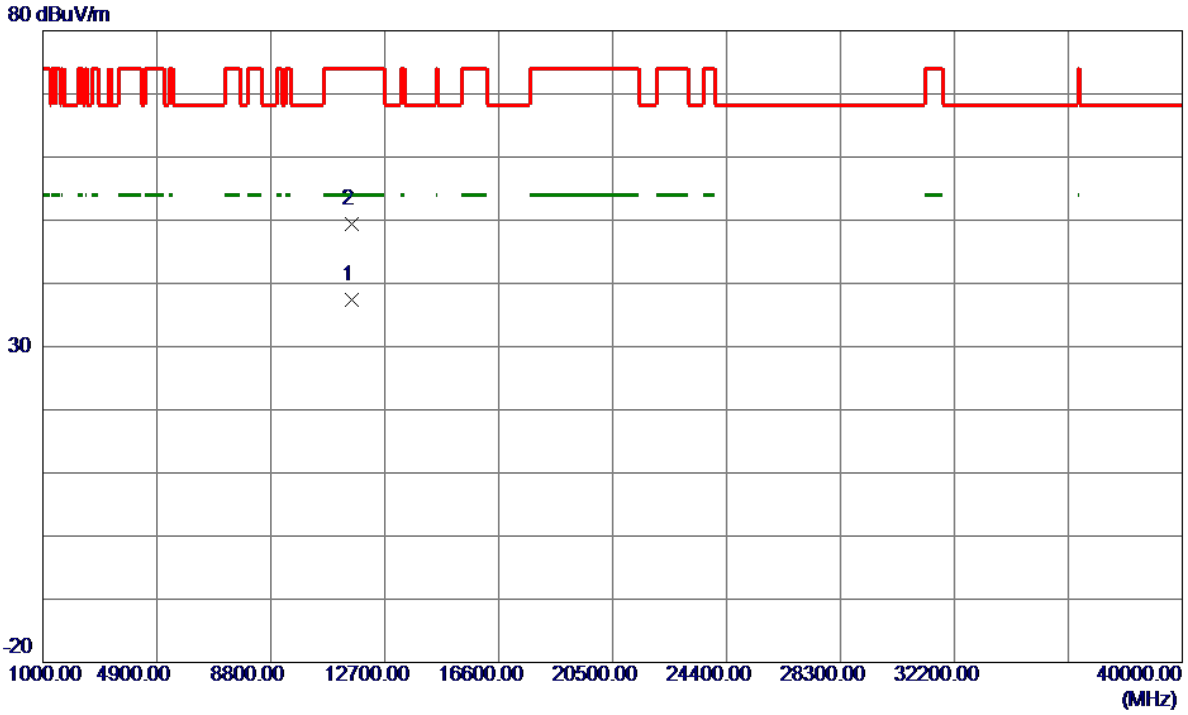
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5785.9000	83.04	18.65	101.69	122.20	-20.51	Peak	

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

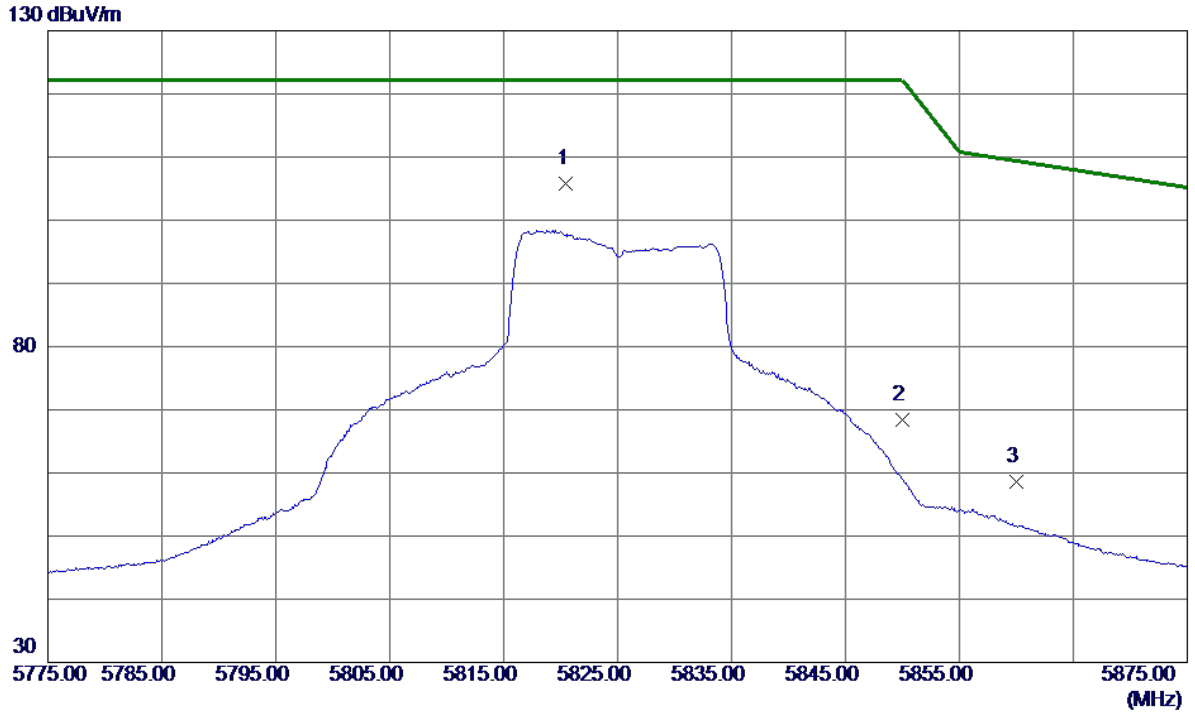
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11568.7000	21.39	15.99	37.38	54.00	-16.62	AVG	
2	11570.5000	33.49	15.99	49.48	74.00	-24.52	Peak	

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

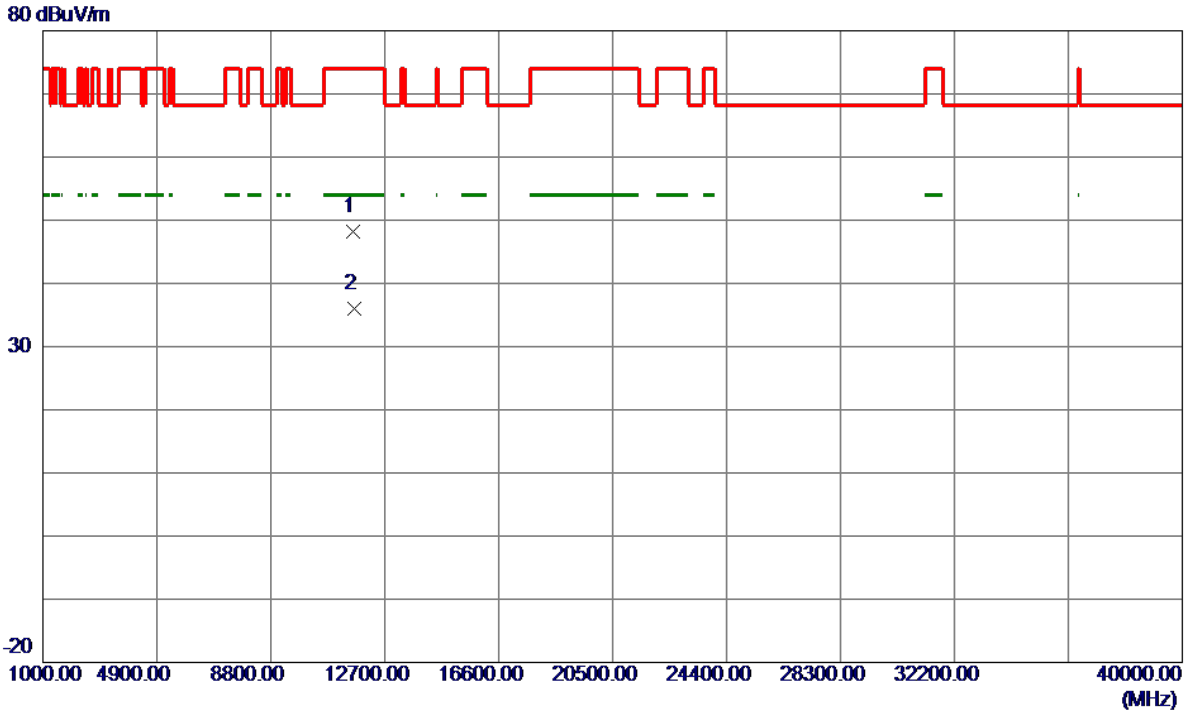
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5820.5000	87.06	18.77	105.83	122.20	-16.37	Peak	
2	5850.0000	49.60	18.88	68.48	122.20	-53.72	Peak	
3	5860.0000	39.67	18.91	58.58	109.40	-50.82	Peak	

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

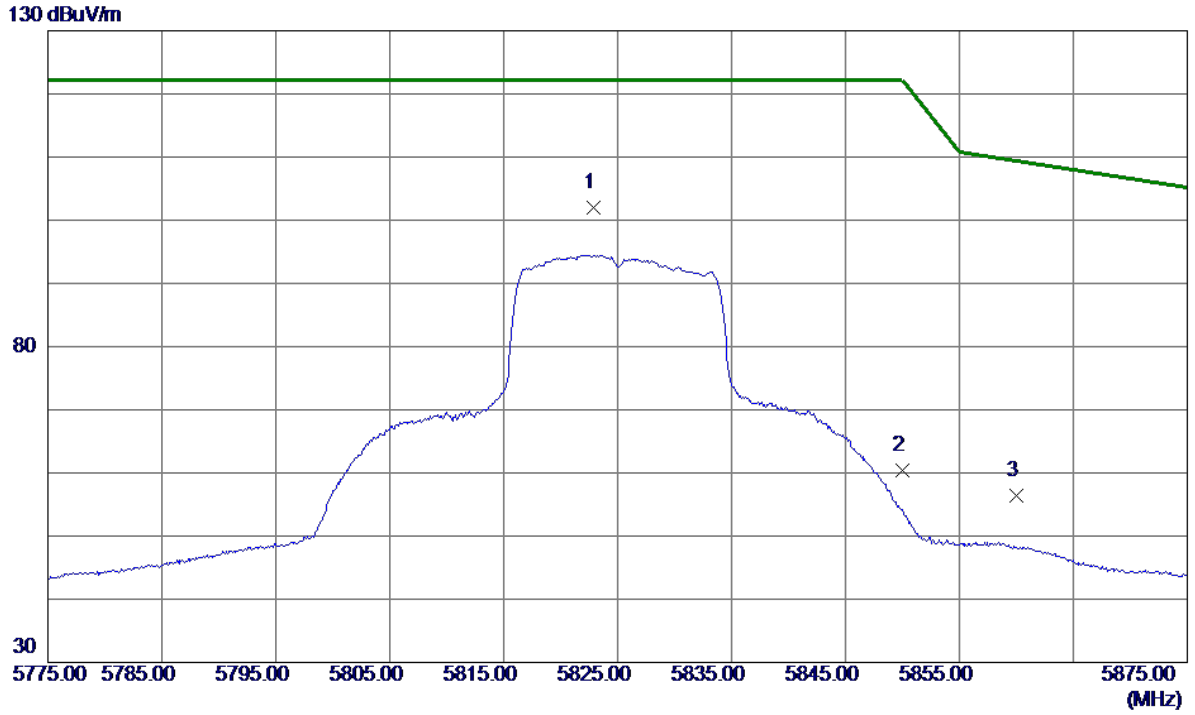
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11630.7000	32.27	16.02	48.29	74.00	-25.71	Peak	
2 *	11656.4500	19.89	16.04	35.93	54.00	-18.07	AVG	

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

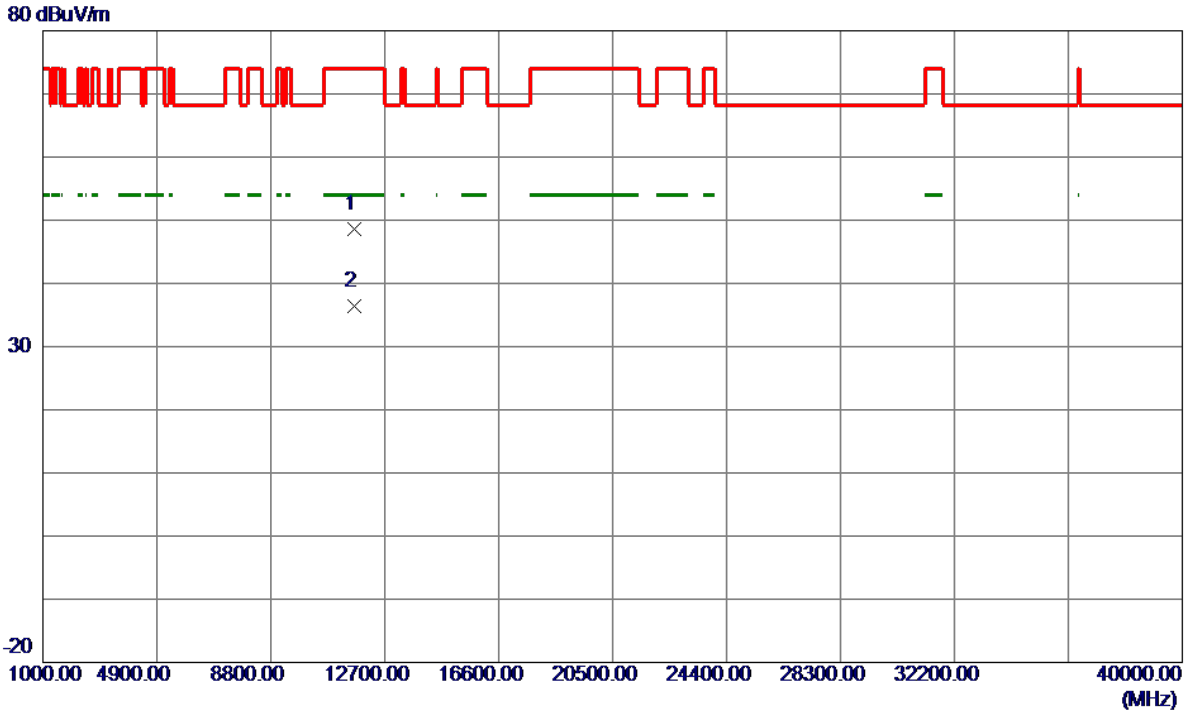
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5822.9000	83.21	18.78	101.99	122.20	-20.21	Peak	
2	5850.0000	41.48	18.88	60.36	122.20	-61.84	Peak	
3	5860.0000	37.44	18.91	56.35	109.40	-53.05	Peak	

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

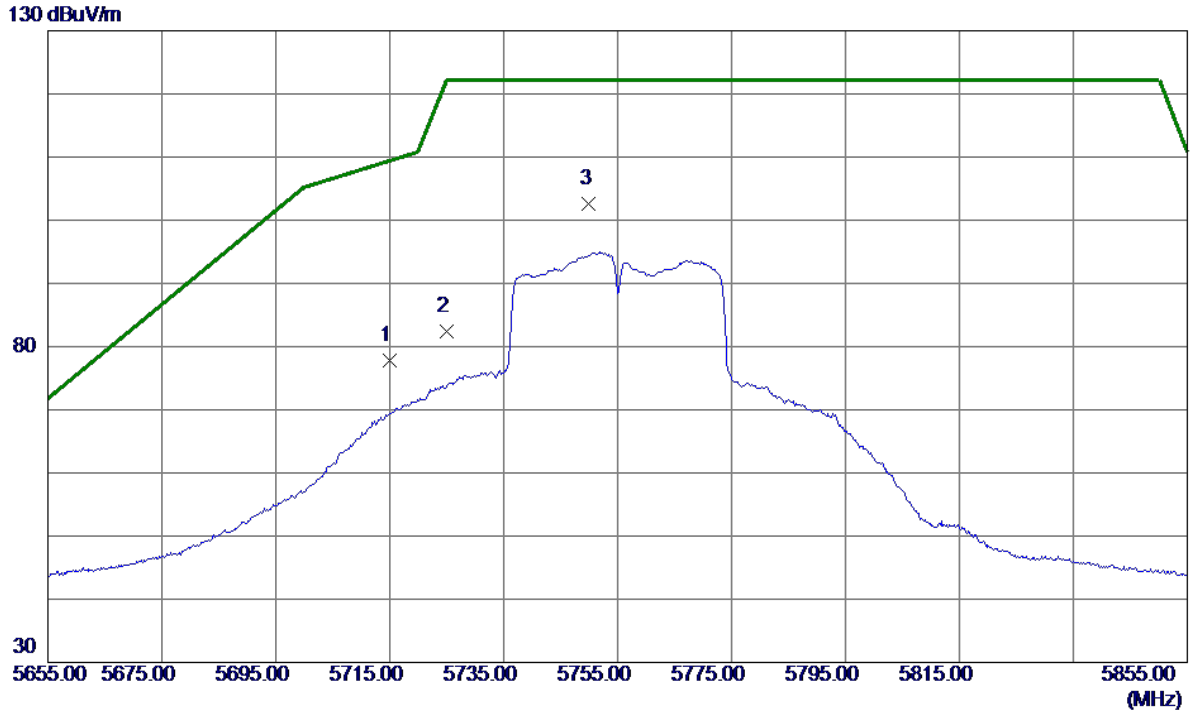
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11649.9500	32.52	16.03	48.55	74.00	-25.45	Peak	
2 *	11650.0500	20.35	16.03	36.38	54.00	-17.62	AVG	

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

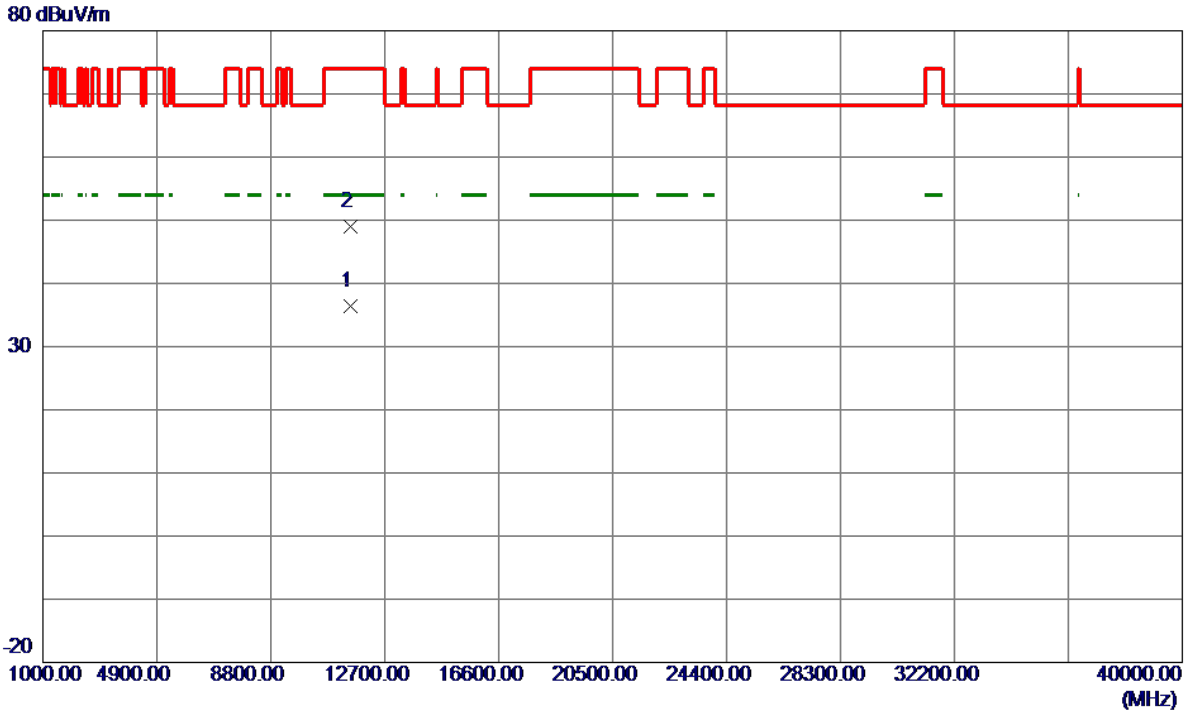
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	59.44	18.40	77.84	109.40	-31.56	Peak	
2	5725.0000	63.96	18.44	82.40	122.20	-39.80	Peak	
3 *	5750.0000	84.07	18.52	102.59	122.20	-19.61	Peak	

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

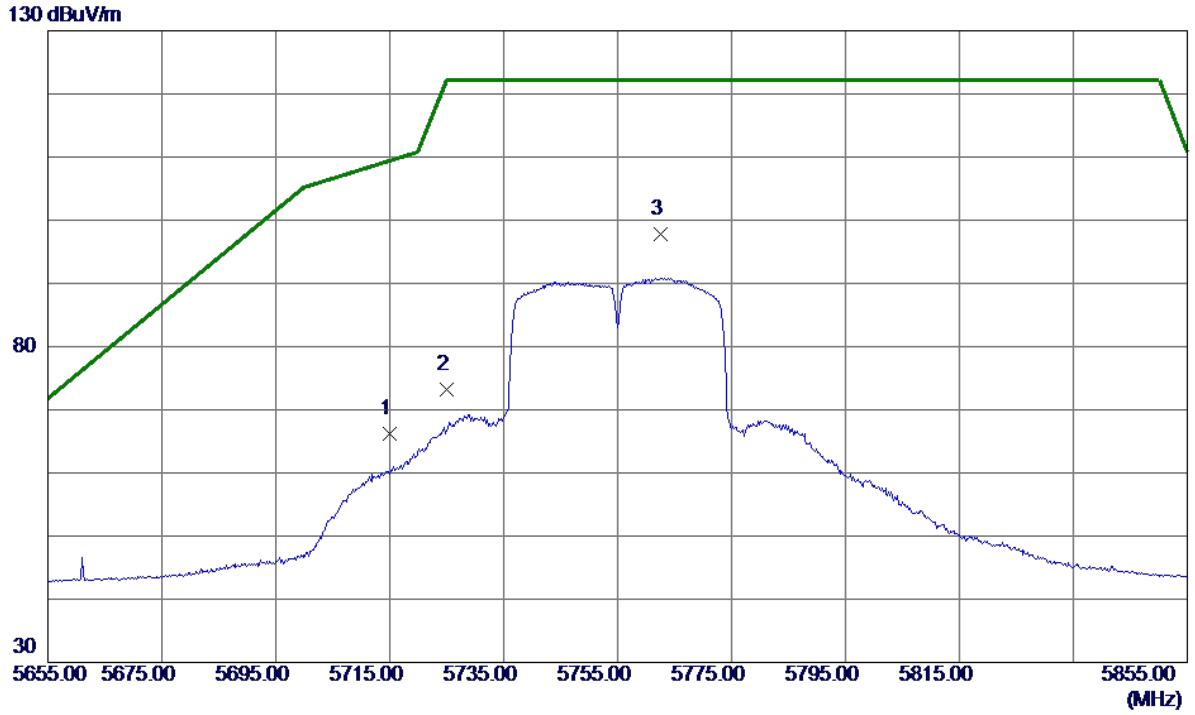
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11510.0000	20.39	15.96	36.35	54.00	-17.65	AVG	
2	11511.5000	33.01	15.96	48.97	74.00	-25.03	Peak	

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

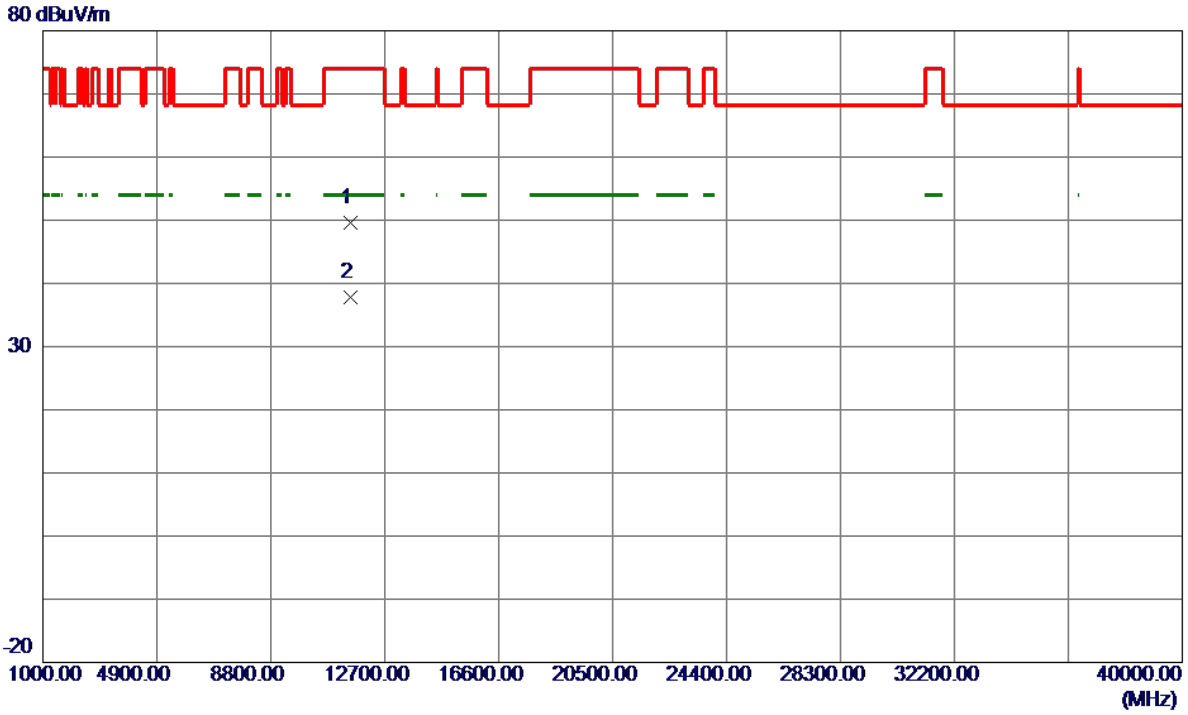
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	47.79	18.40	66.19	109.40	-43.21	Peak	
2	5725.0000	54.82	18.44	73.26	122.20	-48.94	Peak	
3 *	5762.6000	79.24	18.57	97.81	122.20	-24.39	Peak	

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

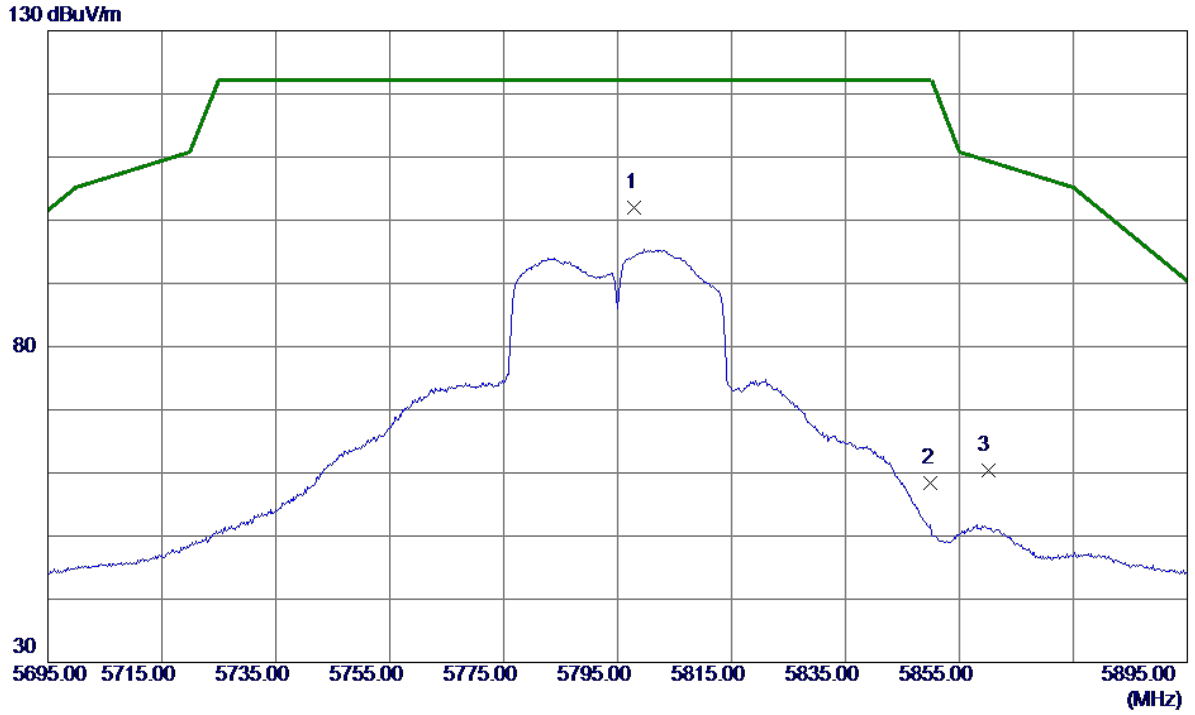
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11509.7000	33.56	15.96	49.52	74.00	-24.48	Peak	
2 *	11510.2000	21.93	15.96	37.89	54.00	-16.11	AVG	

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

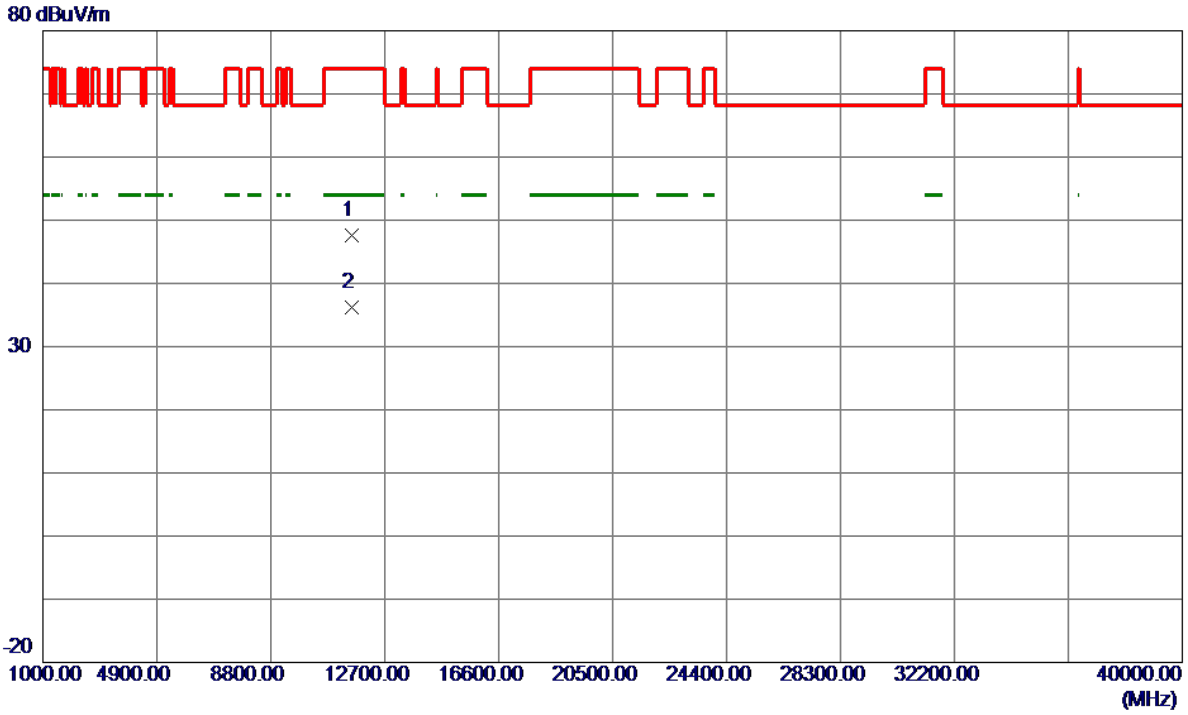
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5798.0000	83.29	18.69	101.98	122.20	-20.22	Peak	
2	5850.0000	39.47	18.88	58.35	122.20	-63.85	Peak	
3	5860.0000	41.46	18.91	60.37	109.40	-49.03	Peak	

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

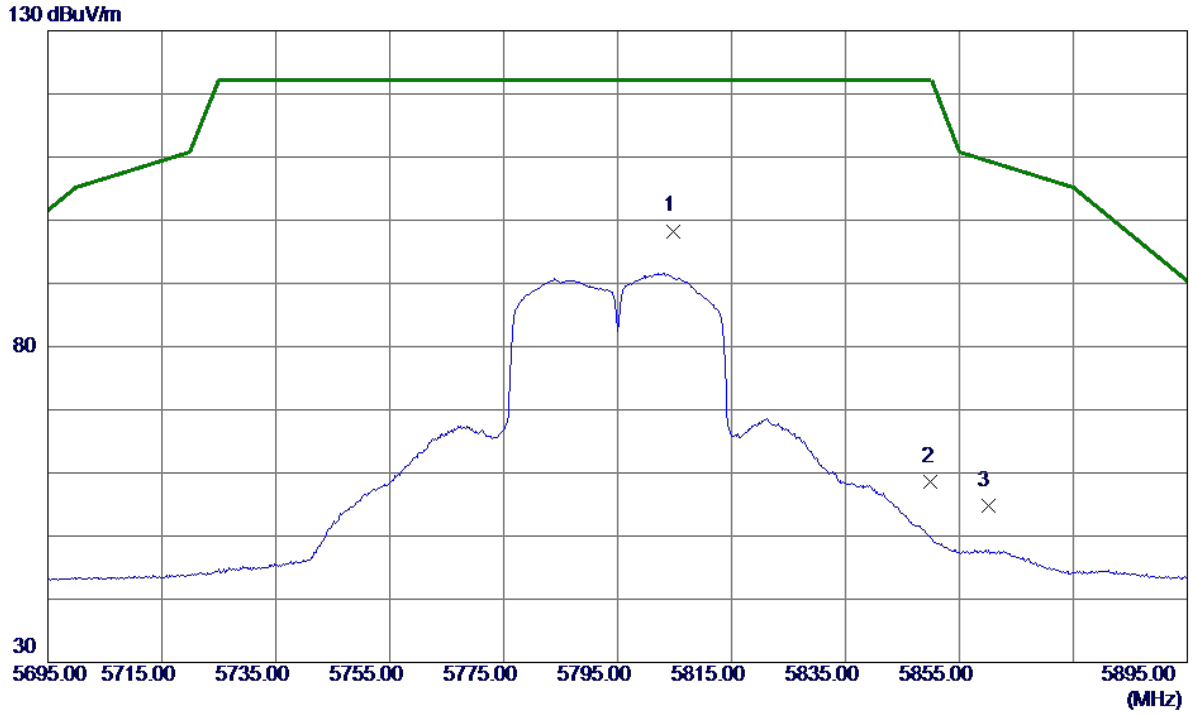
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11571.2000	31.66	15.99	47.65	74.00	-26.35	Peak	
2 *	11586.5500	20.25	16.00	36.25	54.00	-17.75	AVG	

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

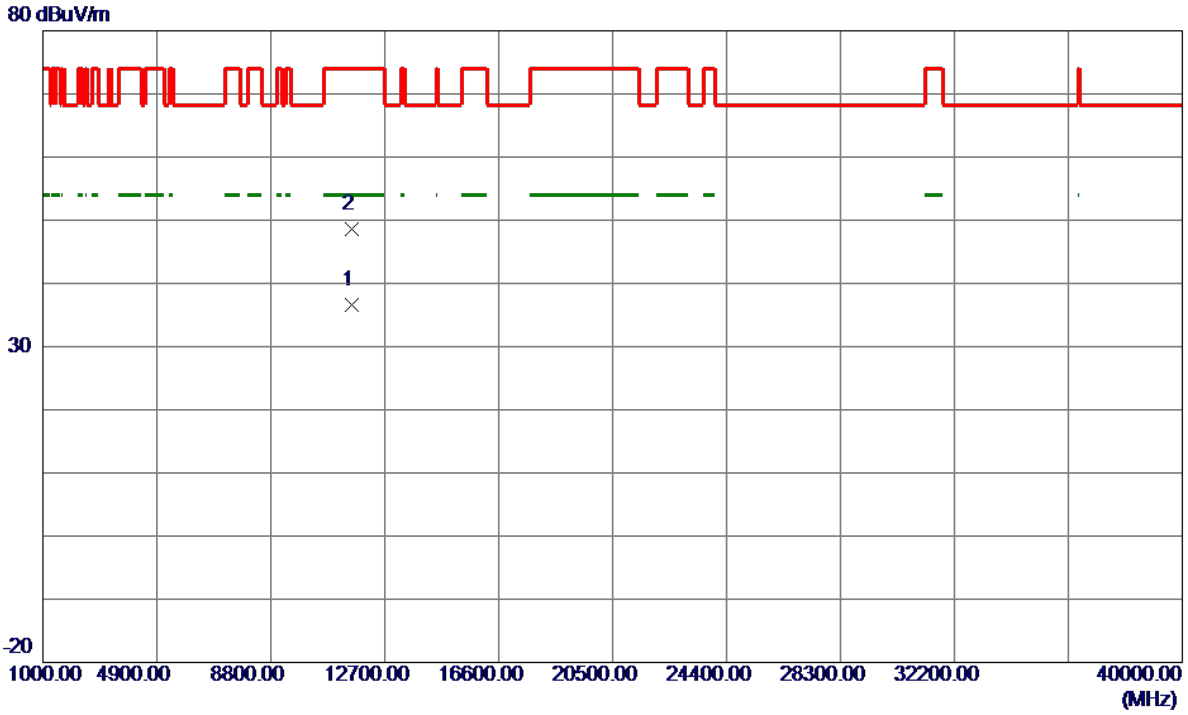
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5804.8000	79.58	18.72	98.30	122.20	-23.90	Peak	
2	5850.0000	39.76	18.88	58.64	122.20	-63.56	Peak	
3	5860.0000	35.96	18.91	54.87	109.40	-54.53	Peak	

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

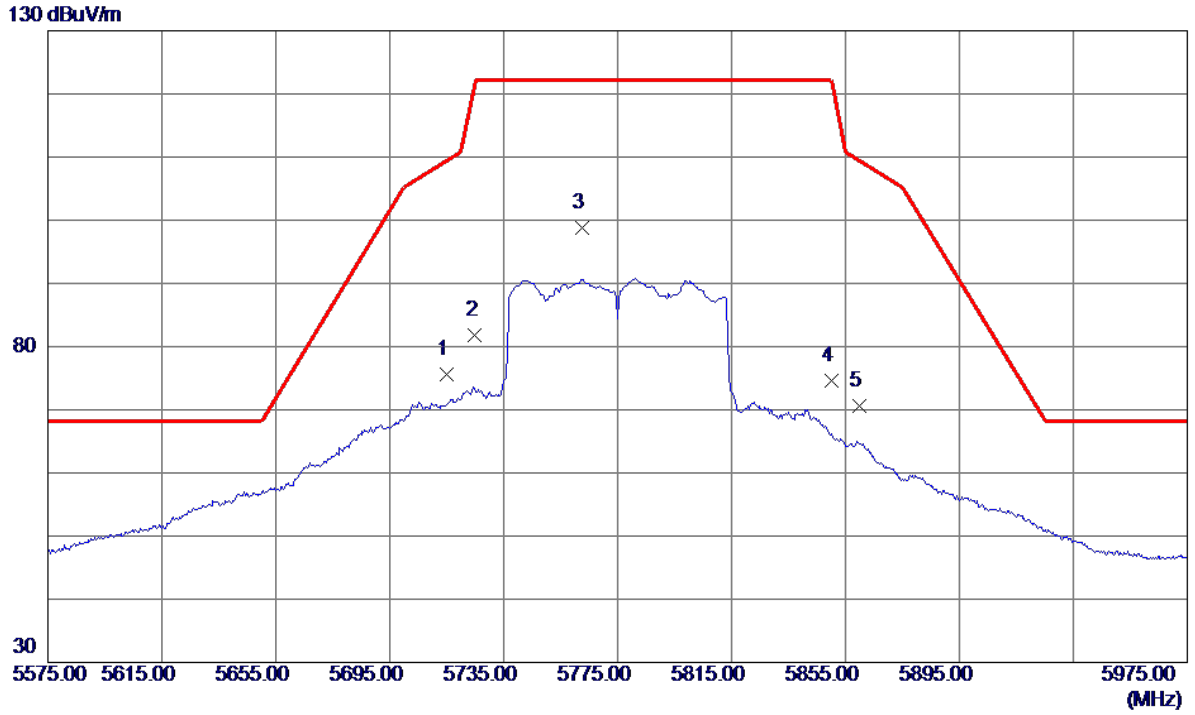
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11590.0000	20.64	16.00	36.64	54.00	-17.36	AVG	
2	11590.5500	32.57	16.00	48.57	74.00	-25.43	Peak	

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

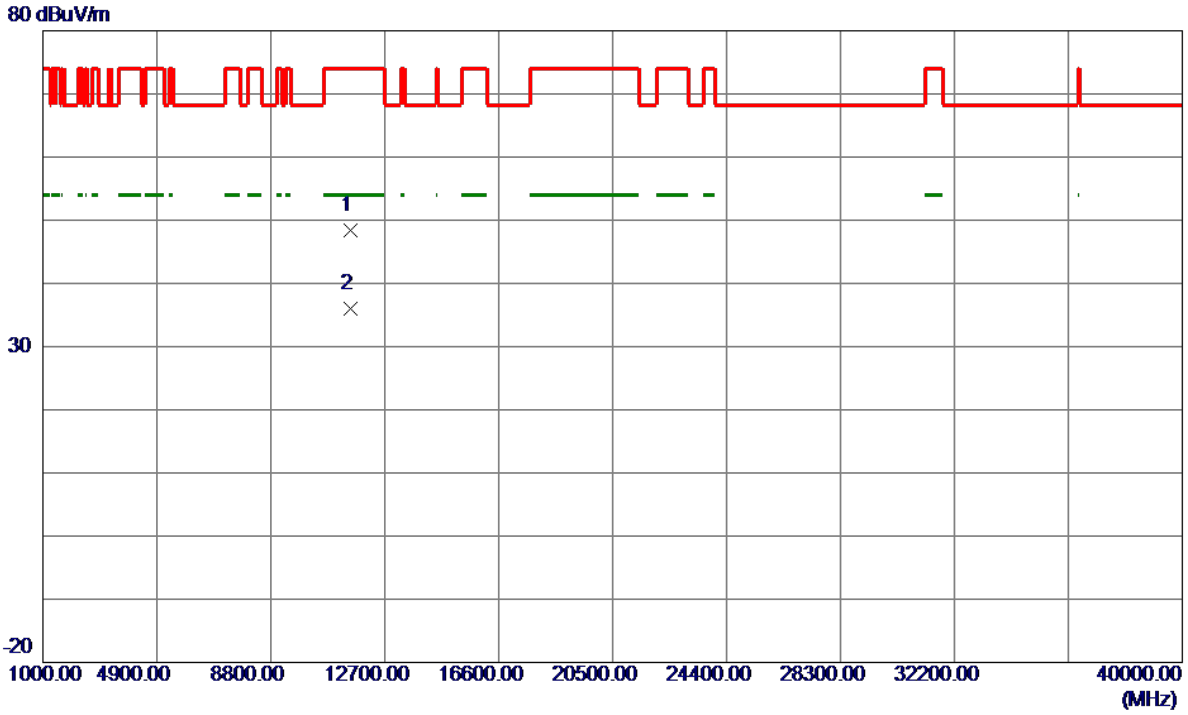
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	57.29	18.40	75.69	109.40	-33.71	Peak	
2	5725.0000	63.38	18.44	81.82	122.20	-40.38	Peak	
3 *	5762.6000	80.32	18.57	98.89	122.20	-23.31	Peak	
4	5850.0000	55.71	18.88	74.59	122.20	-47.61	Peak	
5	5860.0000	51.75	18.91	70.66	109.40	-38.74	Peak	

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

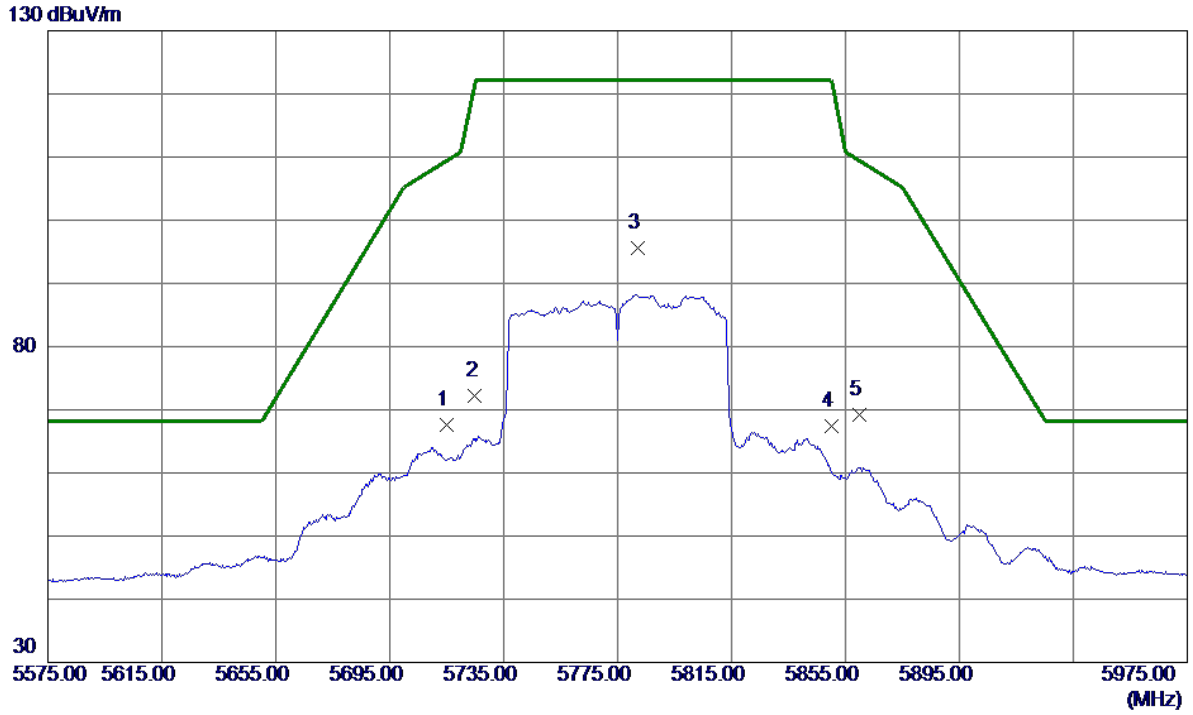
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11535.8000	32.49	15.97	48.46	74.00	-25.54	Peak	
2 *	11545.1000	19.97	15.98	35.95	54.00	-18.05	AVG	

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

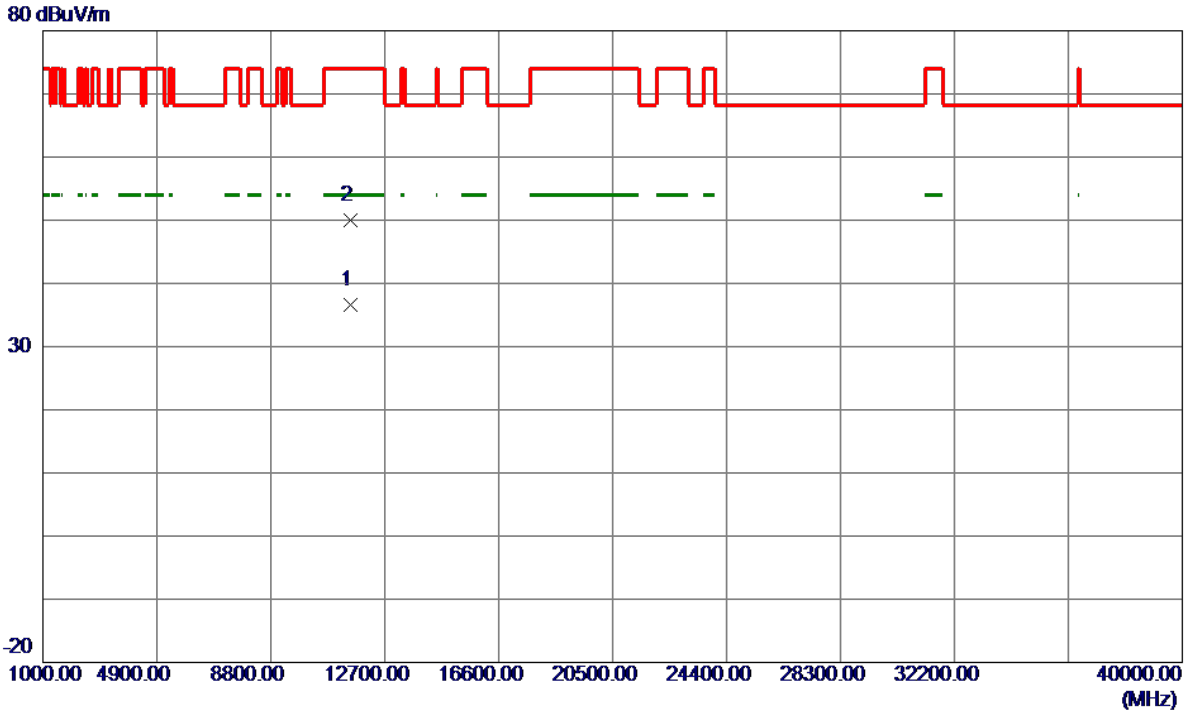
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	49.20	18.40	67.60	109.40	-41.80	Peak	
2	5725.0000	53.79	18.44	72.23	122.20	-49.97	Peak	
3 *	5782.2000	76.88	18.64	95.52	122.20	-26.68	Peak	
4	5850.0000	48.57	18.88	67.45	122.20	-54.75	Peak	
5	5860.0000	50.23	18.91	69.14	109.40	-40.26	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11549.7500	20.57	15.98	36.55	54.00	-17.45	AVG	
2	11551.6500	33.95	15.98	49.93	74.00	-24.07	Peak	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

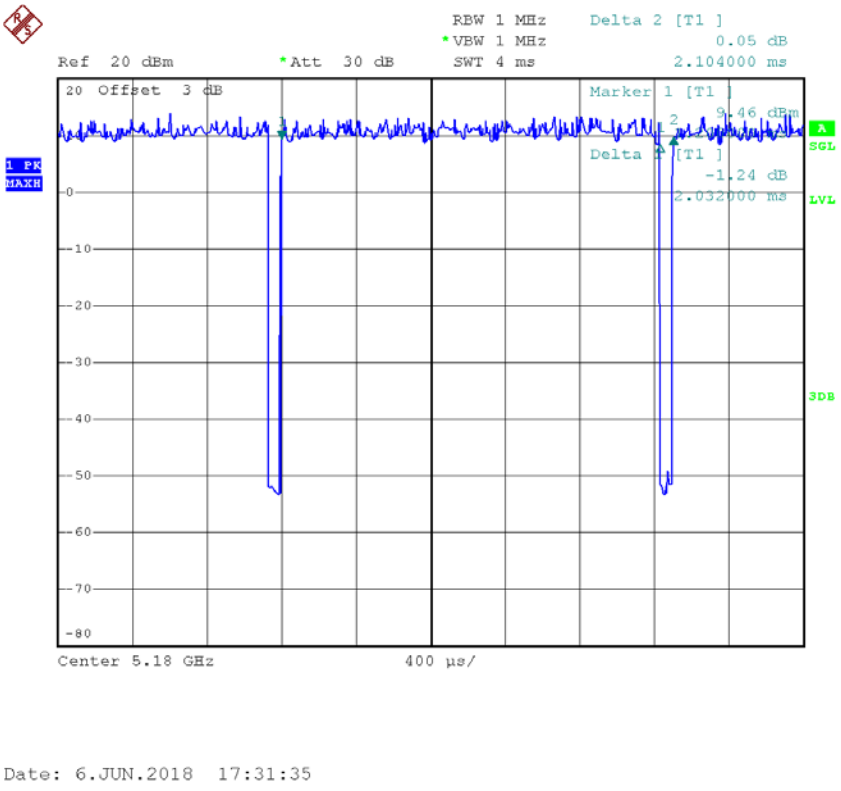
T_{ON}: 2.032 msec

T_{Total}: 2.104 msec

Duty cycle: 96.578%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.15



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is 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}

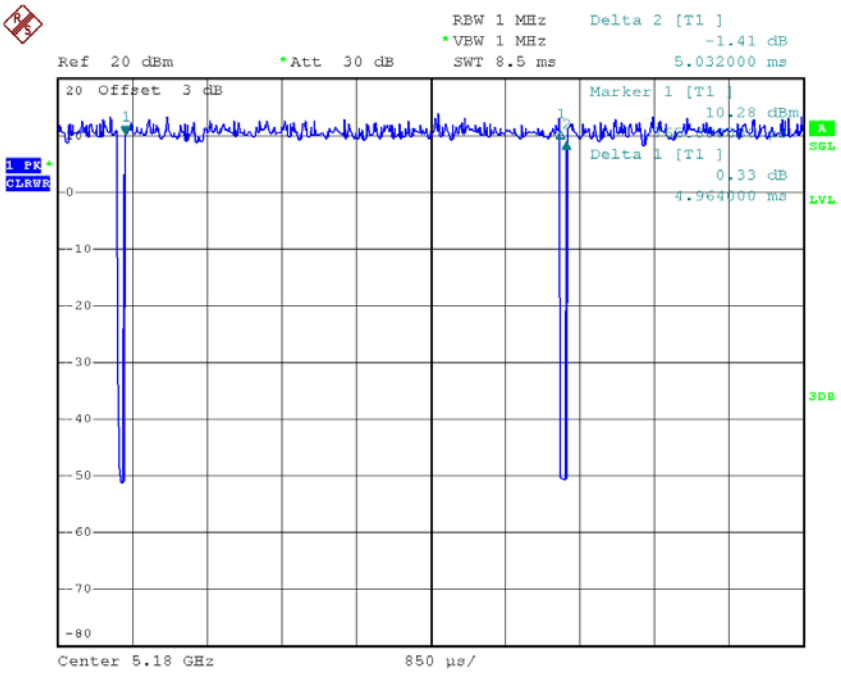
T_{ON}: 4.964 msec

T_{Total}: 5.032 msec

Duty cycle: 98.649%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.06



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}

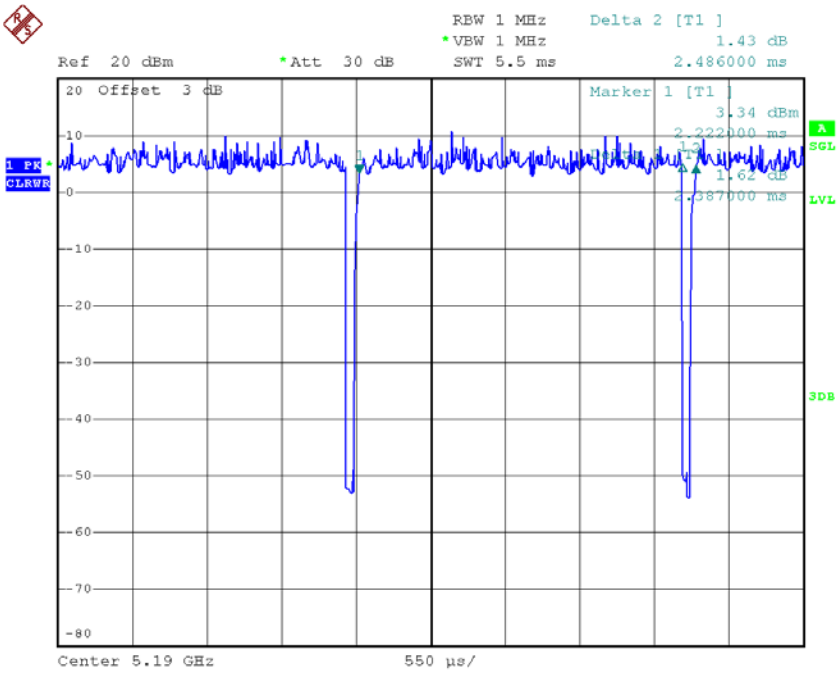
T_{ON}: 2.387 msec

T_{Total}: 2.486 msec

Duty cycle: 96.018%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.18



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is 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}

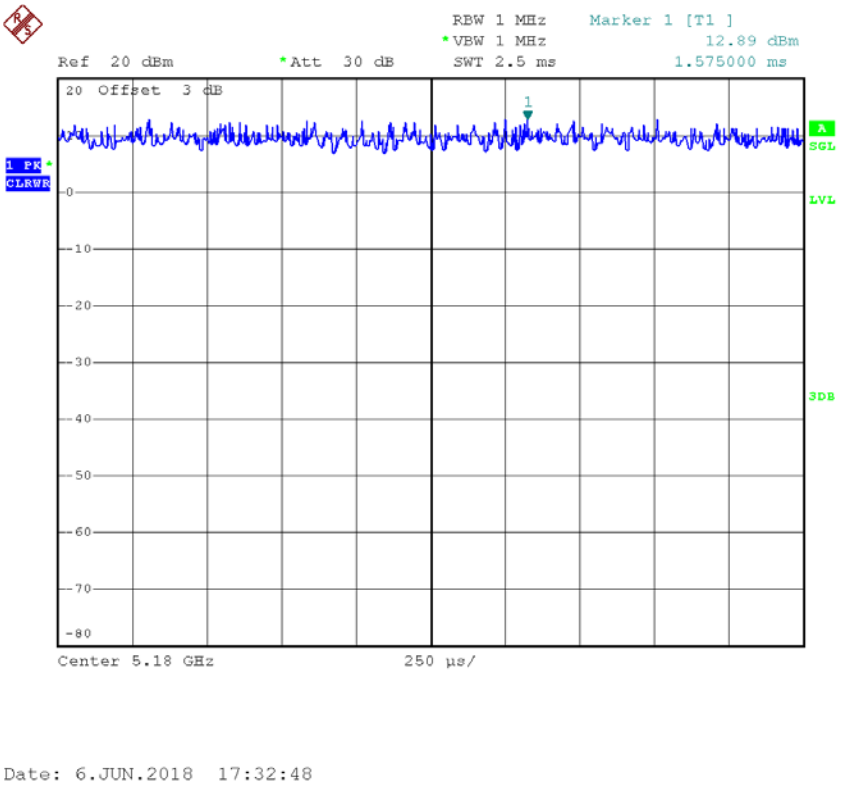
T_{ON}: 2.5 msec

T_{Total}: 2.5 msec

Duty cycle: 100%

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}

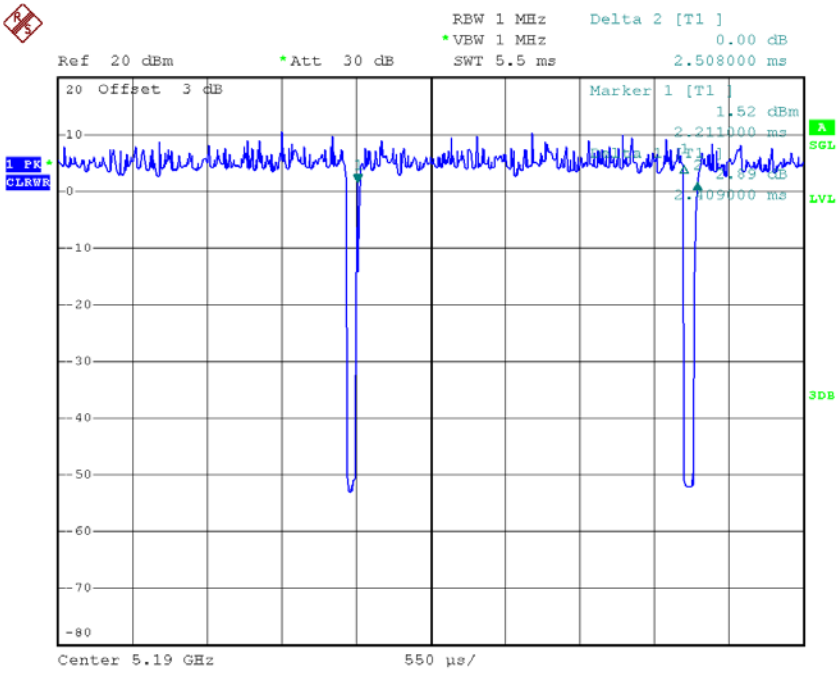
T_{ON}: 2.409 msec

T_{Total}: 2.508 msec

Duty cycle: 96.053%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.17



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is 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}

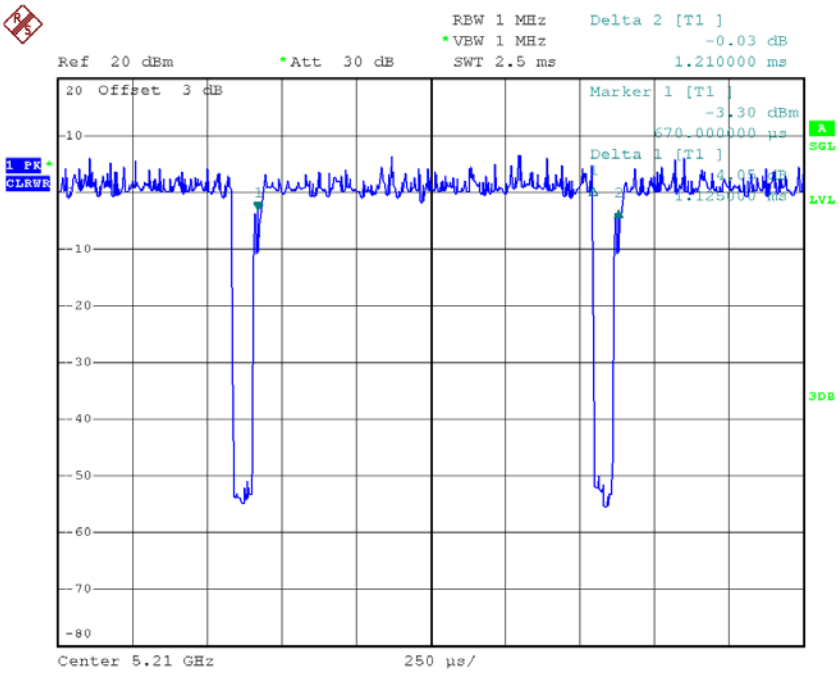
T_{ON}: 1.125 msec

T_{Total}: 1.210 msec

Duty cycle: 92.975%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.32



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is 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