FCC Radio Test Report

FCC ID: TE7C50V5

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

Project No.	:	1808C179
Equipment	:	AC1200 Wireless Dual Band Router, AC1200 Dual Band Wi-Fi Router
Test Model	:	Archer C50, Archer A5
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	:	Aug. 20, 2018
Date of Test	:	Sep. 03, 2018 ~ Dec. 06, 2018
Issued Date	:	Dec. 07, 2018
Tested by	:	BTL Inc.

Testing Engineer : Welly Zhou
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Certificate #5123.02

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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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 which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and 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

Report Version	Description	Issued Date
R00	Original Issue.	Dec. 04, 2018
R01	Update the Spectrum Bandwidth test data.	Dec. 07, 2018

1. CERTIFICATION

Equipment	:	AC1200 Wireless Dual Band Router, AC1200 Dual Band Wi-Fi Router
Brand Name	:	tp-link
Test Model	:	Archer C50, Archer A5
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	:	Sep. 03, 2018 ~ Nov. 27, 2018
Test Sample	:	Engineering Sample No.: D181110288
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-2-1808C179) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of A2LA according to the ISO-17025 quality assessment standard and technical standard(s).

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

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)			
Standard(s) Section	Test Item	Judgment	Remark
15.207	AC Power Line Conducted Emissions	PASS	
15.407(a)	Spectrum Bandwidth	PASS	
15.407(a)	Maximum 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 ~ 30 MHz	2.32

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9 kHz~30 MHz	V	3.79
		9 kHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	3.82
		30 MHz~200 MHz	H	3.60
		200 MHz~1,000 MHz	V	3.86
		200 MHz~1,000 MHz	H	3.94
		1 GHz~18 GHz	V	3.12
		1 GHz~18 GHz	H	3.68
		18 GHz~40 GHz	V	4.15
		18 GHz~40 GHz	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 Dual Band Router, AC1200 Dual Band Wi-Fi Router	
Brand Name	tp-link	
Test Model	Archer C50, Archer A5	
Series Model	N/A	
Model Difference(s)	Only differ in model name.	
Product Description	Operation Frequency	UNII-1: 5150 MHz~5250 MHz UNII-3: 5725 MHz~5850 MHz
	Modulation Technology	802.11a:OFDM 802.11n:OFDM 802.11ac:OFDM
	Bit Rate of Transmitter	802.11a: 54/48/36/24/18/12/9/6 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 866.7 Mbps
Power Source	DC voltage supplied from AC/DC adapter. Brand/Model: tp-link/ T120100-2B1	
Power Rating	I/P: 100-240V~ 50/60Hz, 0.3A O/P: 12V⎓1A	
Output Power	Output Power (Max.)for UNII-1	802.11a: 27.76dBm 802.11n (20M): 27.56dBm 802.11n (40M): 28.95dBm 802.11ac (20M): 27.56dBm 802.11ac (40M): 27.91dBm 802.11ac (80M): 22.97dBm
	Output Power (Max.)for UNII-3	802.11a: 28.61dBm 802.11n (20M): 27.74dBm 802.11n (40M): 27.94dBm 802.11ac (20M): 27.19dBm 802.11ac (40M): 27.95dBm 802.11ac (80M): 26.39dBm

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

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	1.78
2	N/A	N/A	Dipole	N/A	1.94

Note:

This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain =10log[($10^{G1/20}$+$10^{G2/20}$+...$10G^{N/20}$)^2/N]dBi,

Directional gain=10log[($10^{1.78/20}$+$10^{1.94/20}$)^2/2]dBi =4.87.

4.

Operating Mode / TX Mode	2TX
802.11a	V (ANT 1+ANT 2)
802.11n (20 MHz)	V (ANT 1+ANT 2)
802.11n (40 MHz)	V (ANT 1+ANT 2)
802.11ac (20 MHz)	V (ANT 1+ANT 2)
802.11ac (40 MHz)	V (ANT 1+ANT 2)
802.11ac (80 MHz)	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 30 MHz to 1000 MHz test, the 802.11a mode is found to be the worst case and recorded.

(2) For radiated, the 4TX (ANT 1+ANT 2) is found to be the worst case and recorded.

3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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

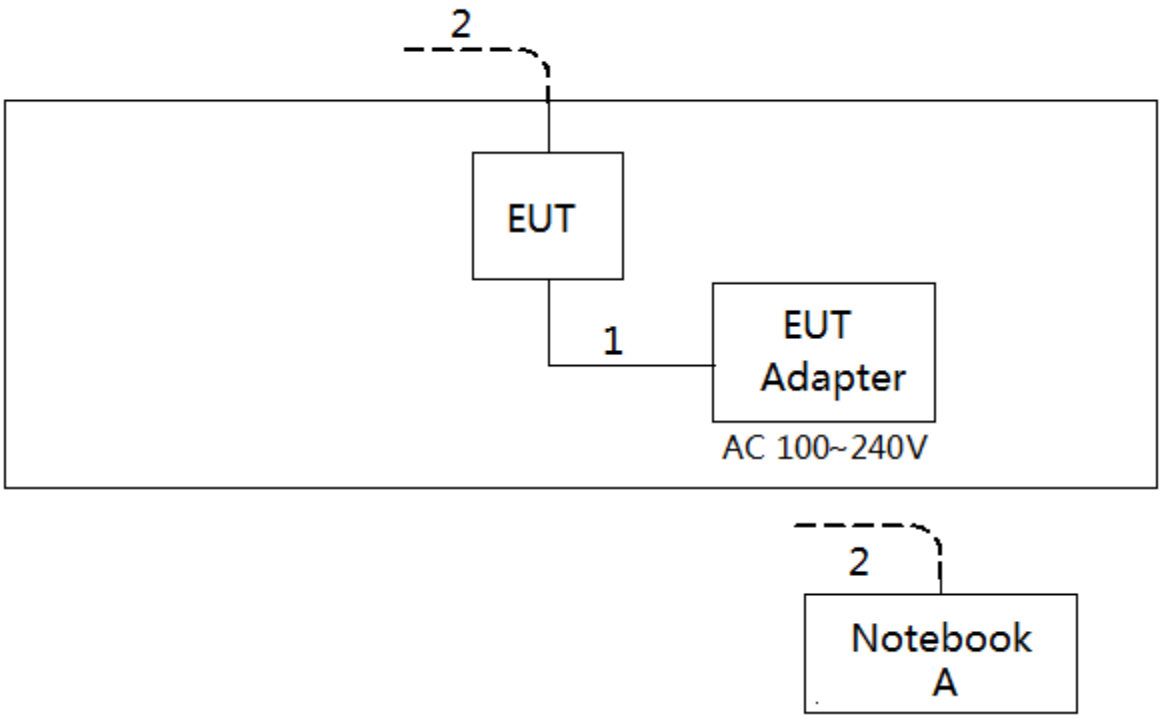
UNII-1			
Test Software Version	N/A		
Frequency (MHz)	5180	5200	5240
A Mode	8324/C026	8328/C027	8327/C029
Frequency (MHz)	5180	5200	5240
N20 Mode	8327/C027	832A/C027	8329/C02A
Frequency (MHz)	5190	5230	
N40 Mode	8317/C025	8330/C02F	

UNII-1			
Test Software Version	N/A		
Frequency (MHz)	5180	5200	5240
AC20 Mode	8327/C028	832A/C028	832A/C02A
Frequency (MHz)	5190	5230	
AC40 Mode	8319/C026	8329/C02F	
Frequency (MHz)	5210		
AC80 Mode	8315/C021		

UNII-3			
Test Software Version	N/A		
Frequency (MHz)	5745	5785	5825
A Mode	8330/842F	8333/8434	8333/8434
Frequency (MHz)	5745	5785	5825
N20 Mode	8330/842F	8333/8434	8333/8434
Frequency (MHz)	5755	5795	
N40 Mode	8333/8434	8333/8434	

UNII-3			
Test Software Version	N/A		
Frequency (MHz)	5745	5785	5825
AC20 Mode	8330/8430	8333/8434	8333/8434
Frequency (MHz)	5755	5795	
AC40 Mode	8333/8434	8333/8434	
Frequency (MHz)	5775		
AC80 Mode	8327/8530		

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	G410	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.5m	DC Cable
2	NO	NO	10m	RJ45 Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 -0.50	66to 56*	56 to 46*
0.50 -5.0	56	46
5.0 -30.0	60	50

Note:

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

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

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

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 equipment 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.

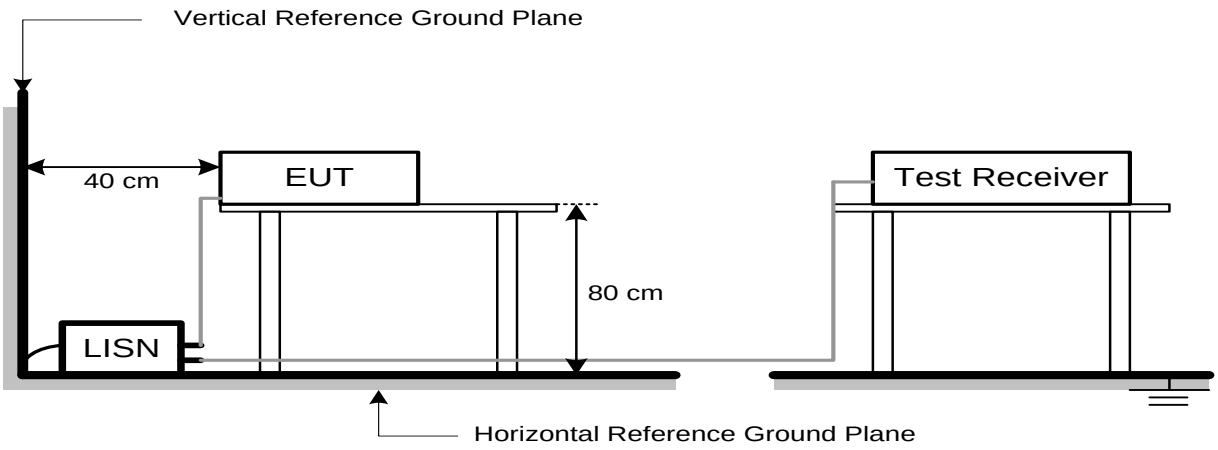
d. LISN at least 80 cm from nearest part of EUT chassis.

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: 60% 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 150 kHz to 30 MHz。

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

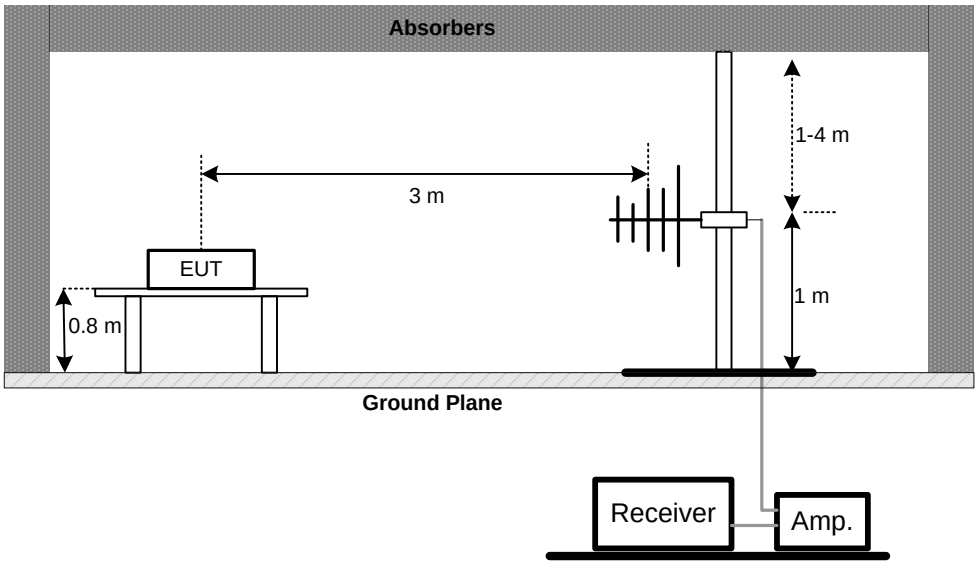
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance 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 1 GHz.
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 1 GHz)
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 1 GHz)
i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

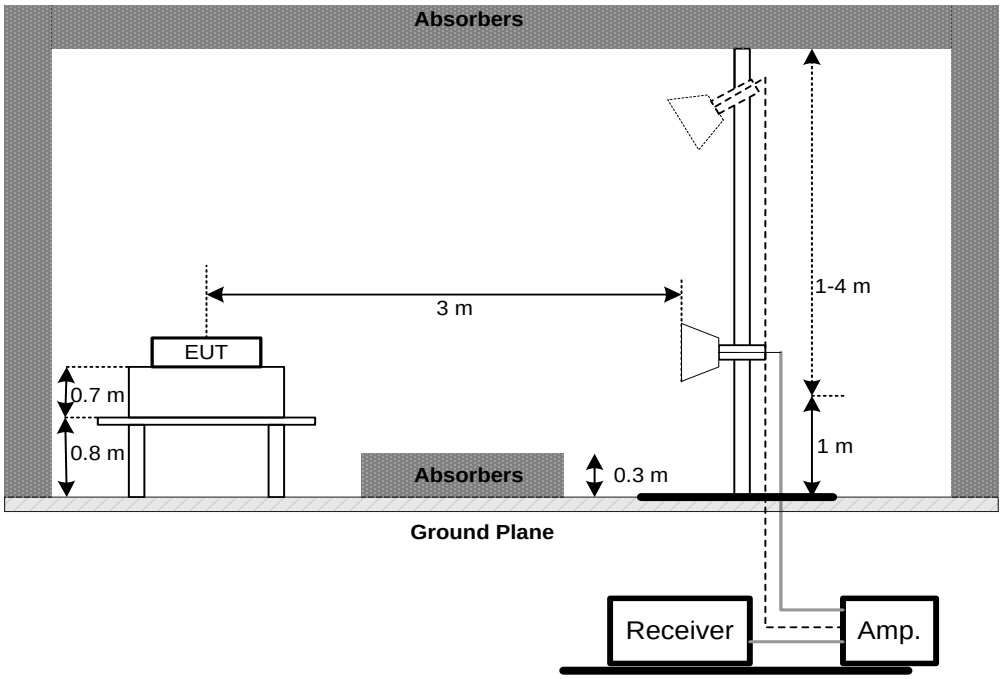
No deviation

4.2.4 TEST SETUP

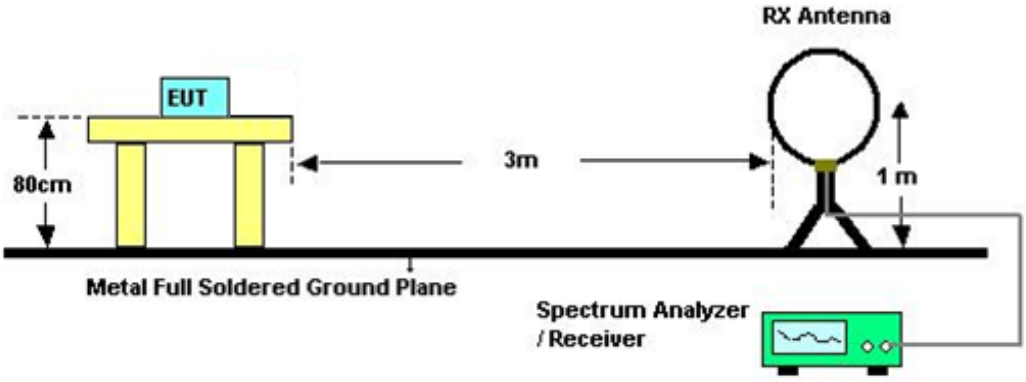
(A)Radiated Emission Test Set-Up Frequency 30 MHz-1000 MHz



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



(C) Radiated emissions below 30 MHz



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 (9 kHz TO 30 MHz)

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 (30 MHz 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. 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 6 dB 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	> 26 dB Bandwidth
RBW	300 kHz(Bandwidth 20 MHz) 1 MHz(Bandwidth 40 MHz and 80 MHz)
VBW	1 MHz(Bandwidth 20 MHz) 3 MHz(Bandwidth 40 MHz and 80 MHz)
Span Frequency	6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. Measured the spectrum width with power higher than 26 dB 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: 26°C Relative Humidity: 58% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Appendix E.

6. MAXIMUM OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Maximum Output Power	Fixed:1 Watt (30 dBm)	5150-5250	PASS
	Mobile and portable: 250 mW (24 dBm)	5150-5250	PASS
	1 Watt (30 dBm)	5725-5850	PASS
Note: For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).			

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	= 1 MHz.
VBW	≥ 3 MHz.
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: 26°C Relative Humidity: 58% 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: 17 dBm/MHz	5150-5250	PASS
	Mobile and portable:11 dBm/MHz	5150-5250	PASS
	30 dBm/500kHz	5725-5850	PASS

7.1.1 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	= 1 MHz.
VBW	≥ 3 MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

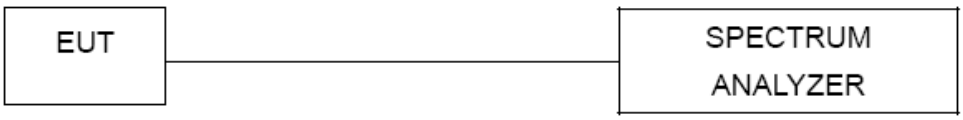
Note:

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 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.
2. The value measured with RBW=1 MHz is to be added with 10log(500 kHz/1 MHz) which is -3 dB. For example, if the measured value is +10dBm using RBW=1 MHz (that is +10 dBm/MHz), then the converted value will be +7dBm/500kHz.

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 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.

7.1.5 EUT TEST CONDITIONS

Temperature: 26°C Relative Humidity: 58% Test Voltage: AC 120V/60Hz

7.1.6 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

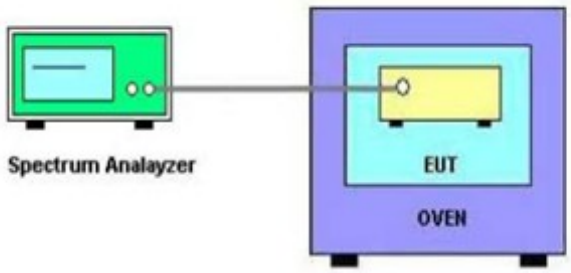
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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: 26°C Relative Humidity: 58% 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	Mar. 23, 2019

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
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement - 30MHZ TO 1000MHZ					
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	Aug. 11, 2019
3	Receiver	Agilent	N9038A	MY52130039	Aug. 11, 2019
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

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. 11, 2019
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	mitron	B10-01-01-12M	18072744	Jul. 30, 2019
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. 11, 2019

Maximum Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 11, 2019

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 11, 2019

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 11, 2019
2	Precision Oven Tester	Bell	BTH-50C	20170306001	Mar. 11, 2019

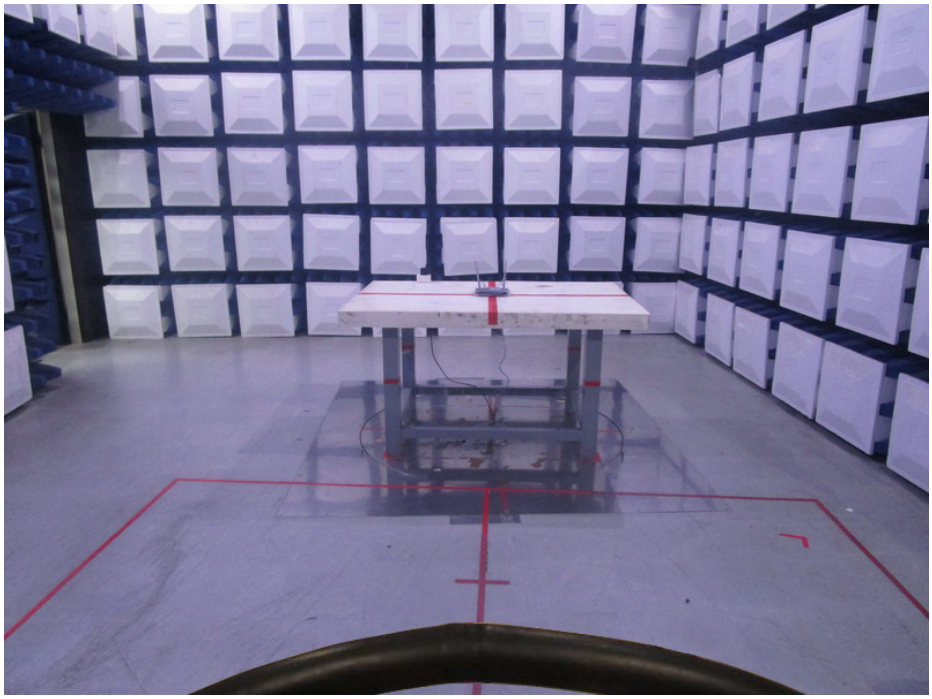
Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

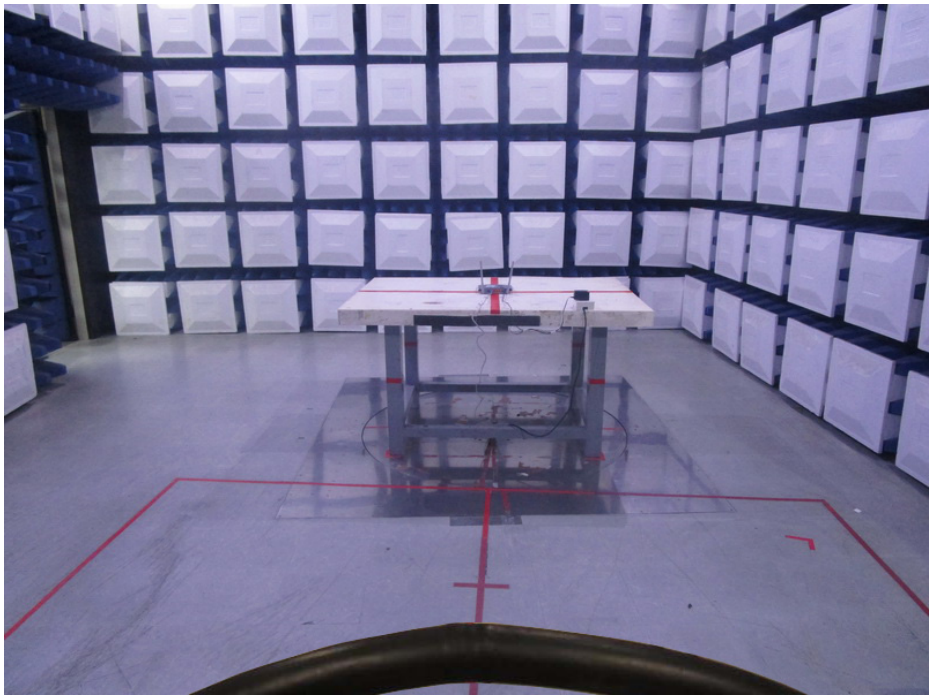
10. EUT TEST PHOTOS

Conducted Measurement Photos

Radiated Measurement Photos

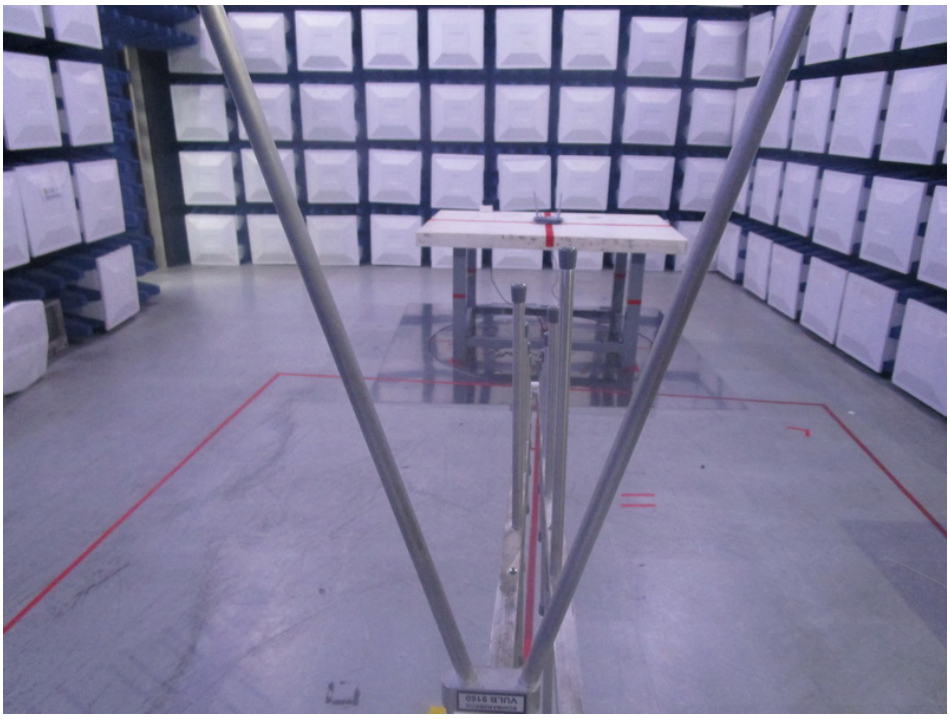
9 kHz to 30 MHz

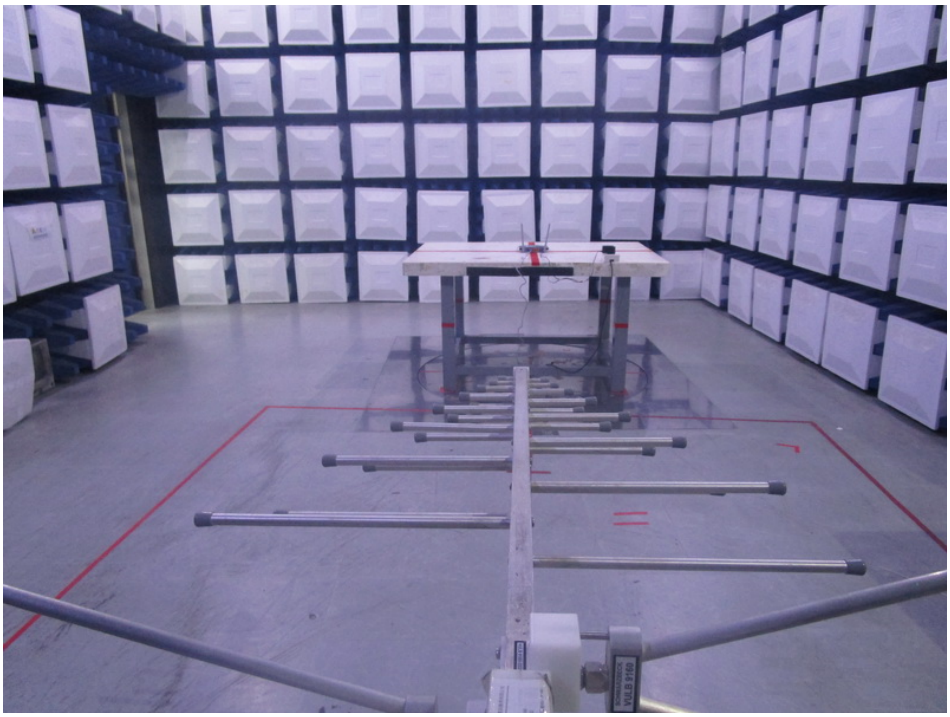




Radiated Measurement Photos

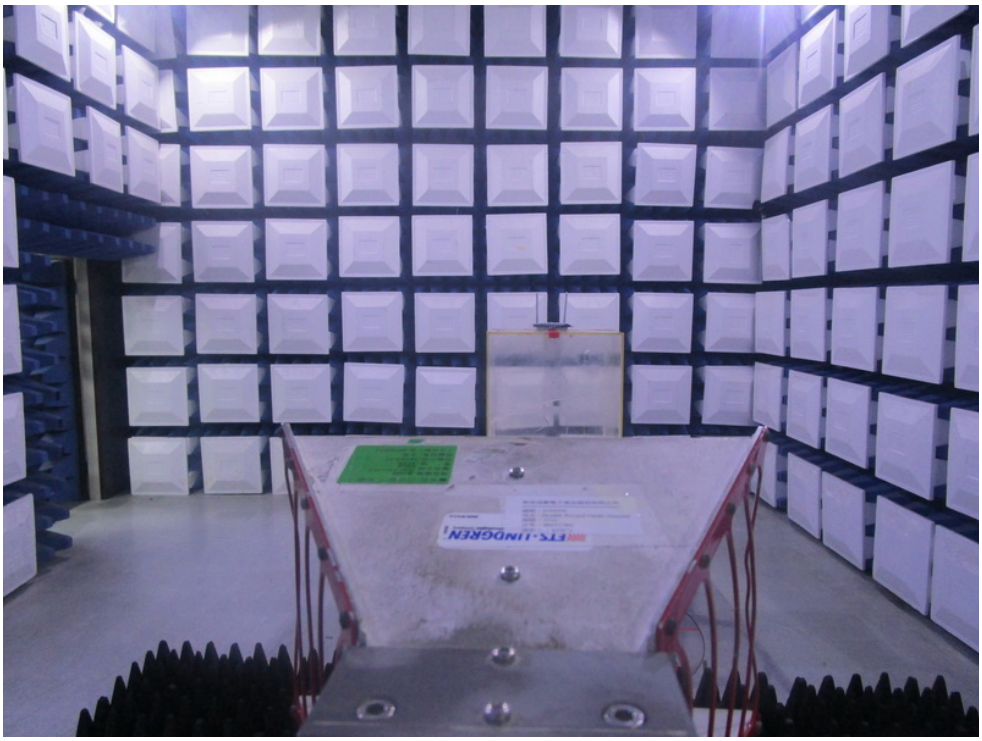
30 MHz to 1000 MHz

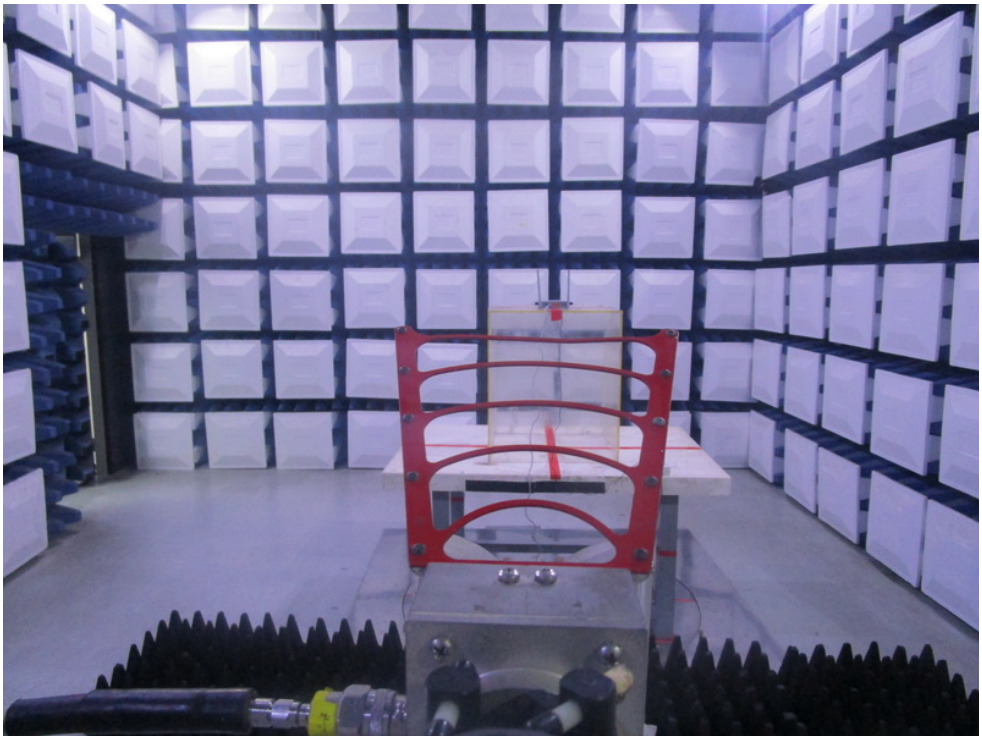




Radiated Measurement Photos

Above 1000 MHz

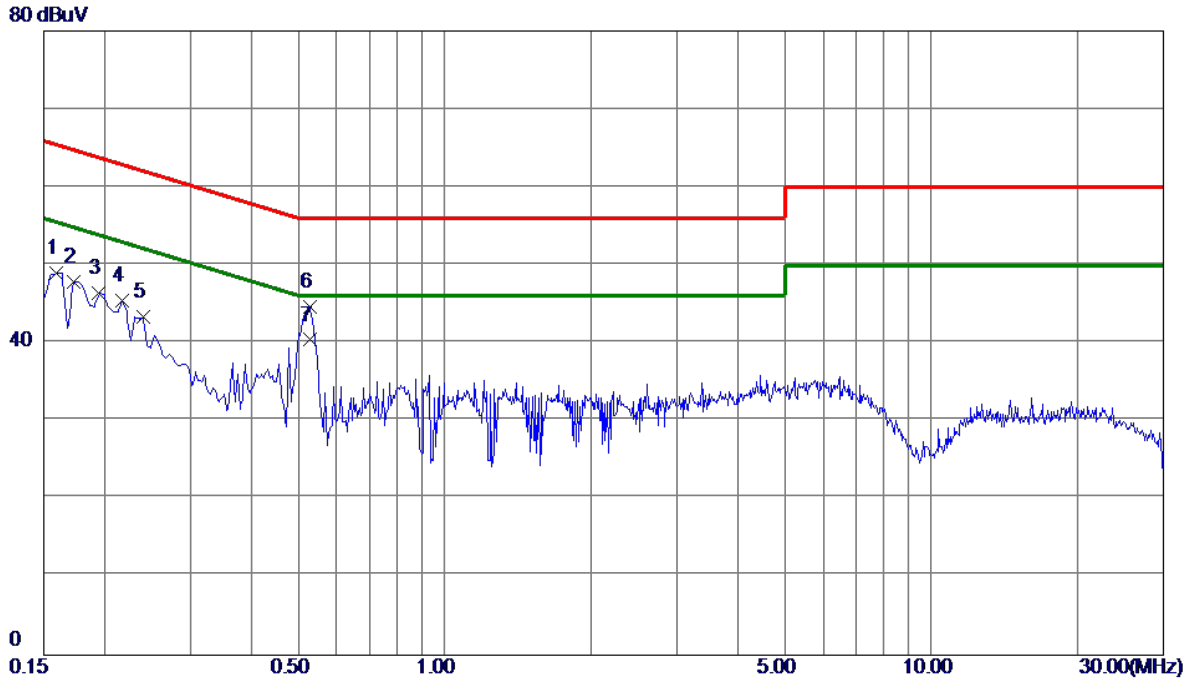




APPENDIX A - CONDUCTED EMISSION

Test Mode:	TX Mode

Line

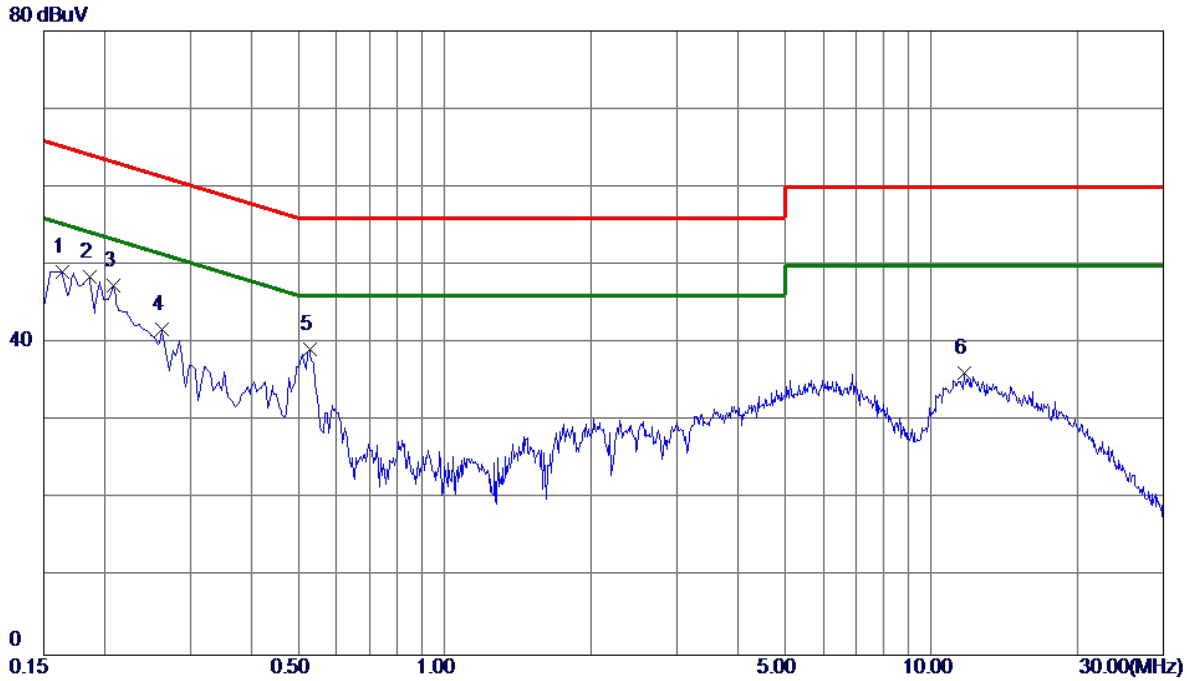


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1590	39.18	9.82	49.00	65.52	-16.52	Peak	
2	0.1725	38.00	9.82	47.82	64.84	-17.02	Peak	
3	0.1949	36.57	9.82	46.39	63.83	-17.44	Peak	
4	0.2175	35.64	9.82	45.46	62.91	-17.45	Peak	
5	0.2400	33.58	9.82	43.40	62.10	-18.70	Peak	
6	0.5280	34.89	9.80	44.69	56.00	-11.31	Peak	
7 *	0.5280	30.60	9.80	40.40	46.00	-5.60	AVG	

Note:The test result has included the cable loss.

Test Mode:	TX Mode

Neutral



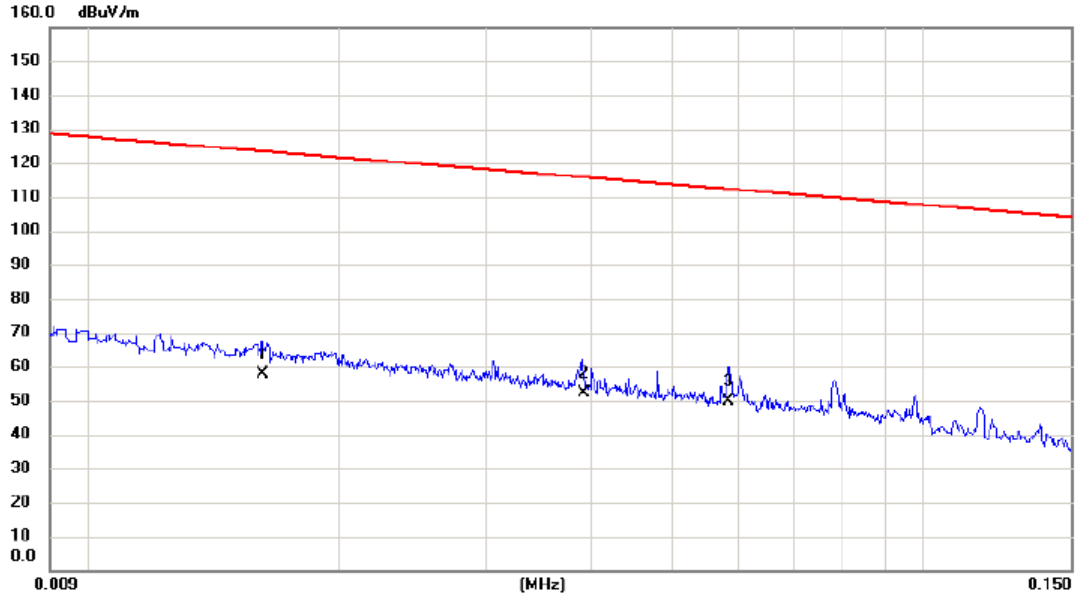
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1635	39.24	9.91	49.15	65.28	-16.13	Peak	
2 *	0.1860	38.54	9.91	48.45	64.21	-15.76	Peak	
3	0.2085	37.43	9.91	47.34	63.26	-15.92	Peak	
4	0.2625	31.81	9.92	41.73	61.35	-19.62	Peak	
5	0.5280	29.27	9.95	39.22	56.00	-16.78	Peak	
6	11.6745	25.36	10.86	36.22	60.00	-23.78	Peak	

Note:The test result has included the cable loss.

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

Test Mode:	TX Mode

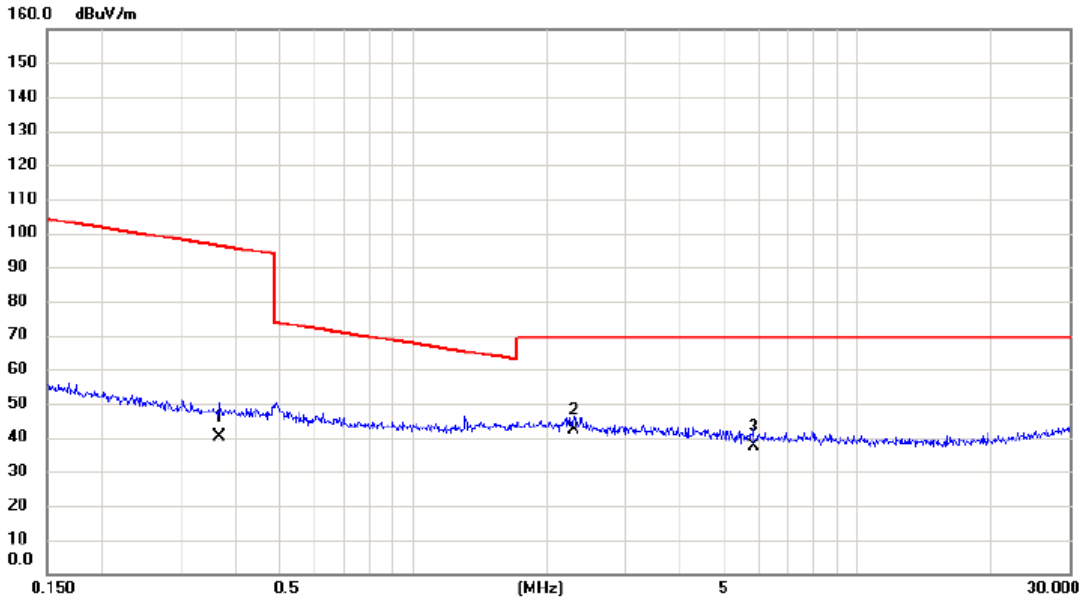
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0162	37.10	20.55	57.65	123.41	-65.76	AVG	
2		0.0392	32.60	19.70	52.30	115.74	-63.44	AVG	
3	*	0.0584	30.60	19.36	49.96	112.28	-62.32	AVG	

Test Mode:	TX Mode

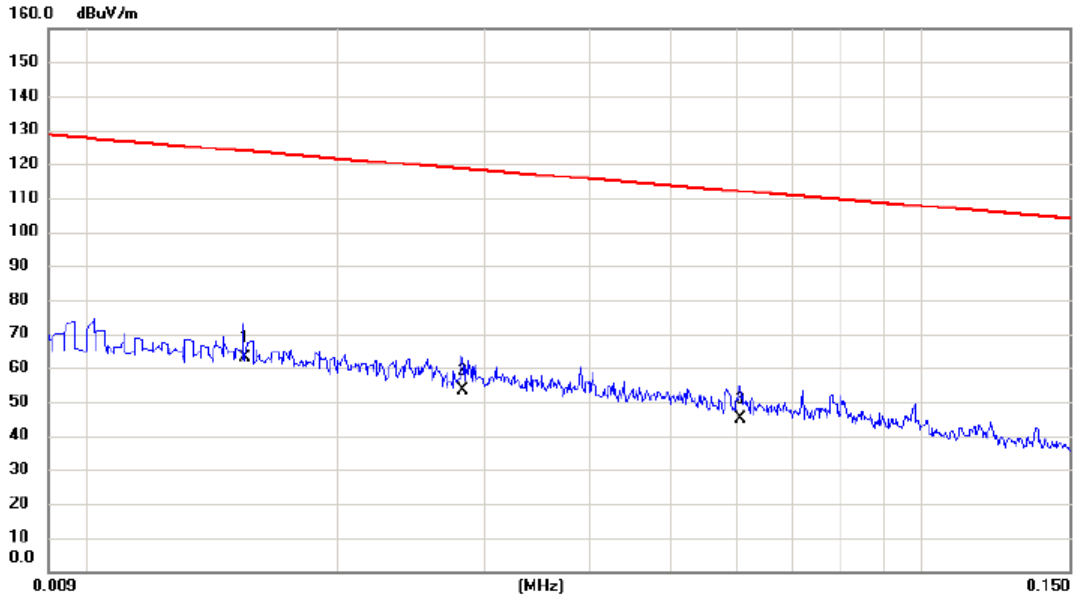
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3673	23.10	17.01	40.11	96.30	-56.19	AVG	
2	*	2.2968	25.20	16.94	42.14	69.54	-27.40	QP	
3		5.8358	22.50	15.03	37.53	69.54	-32.01	QP	

Test Mode:	TX Mode

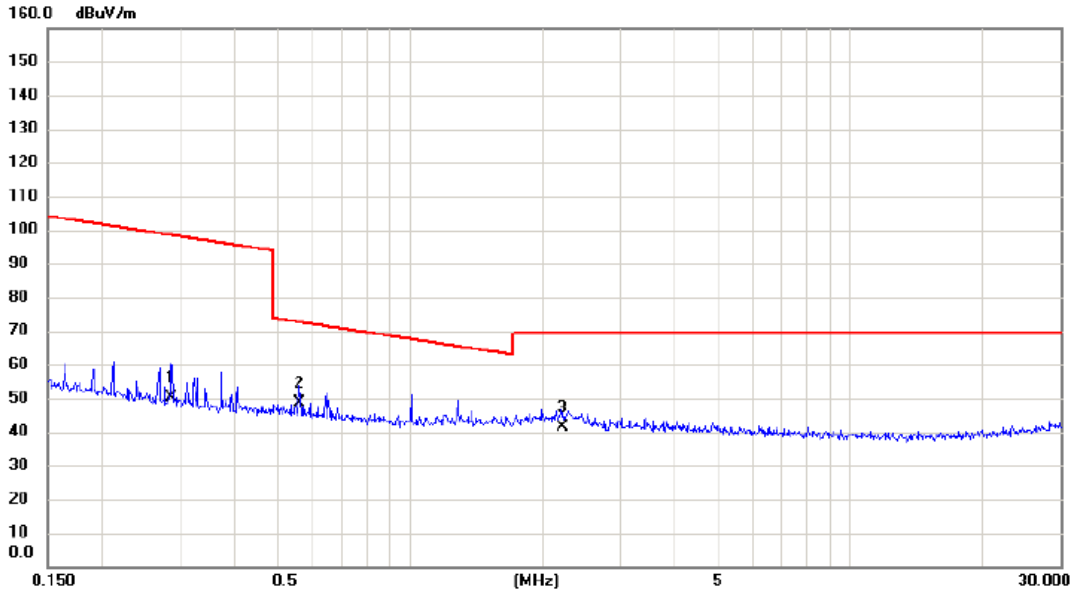
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0155	42.30	20.65	62.95	123.80	-60.85	AVG	
2		0.0282	33.50	19.88	53.38	118.60	-65.22	AVG	
3		0.0606	25.60	19.32	44.92	111.96	-67.04	AVG	

Test Mode:	TX Mode

Ant 90°

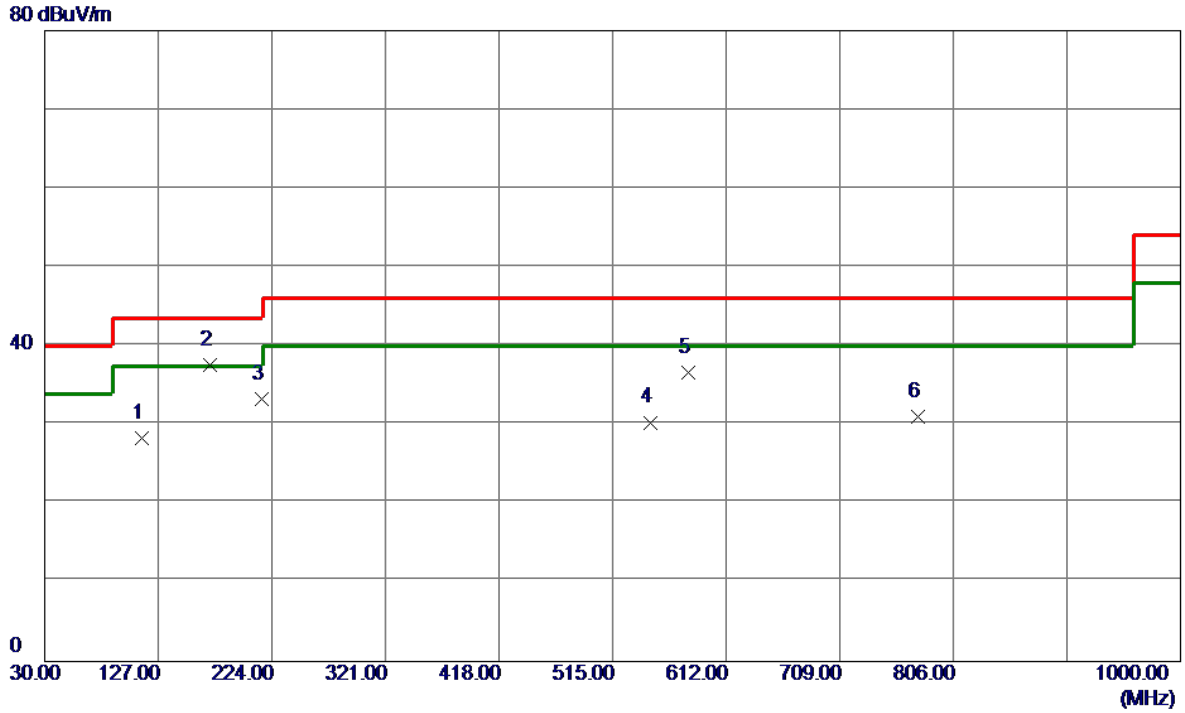


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2863	33.20	17.05	50.25	98.47	-48.22	AVG	
2	*	0.5611	31.80	16.95	48.75	72.62	-23.87	QP	
3		2.2132	24.60	16.98	41.58	69.54	-27.96	QP	

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

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

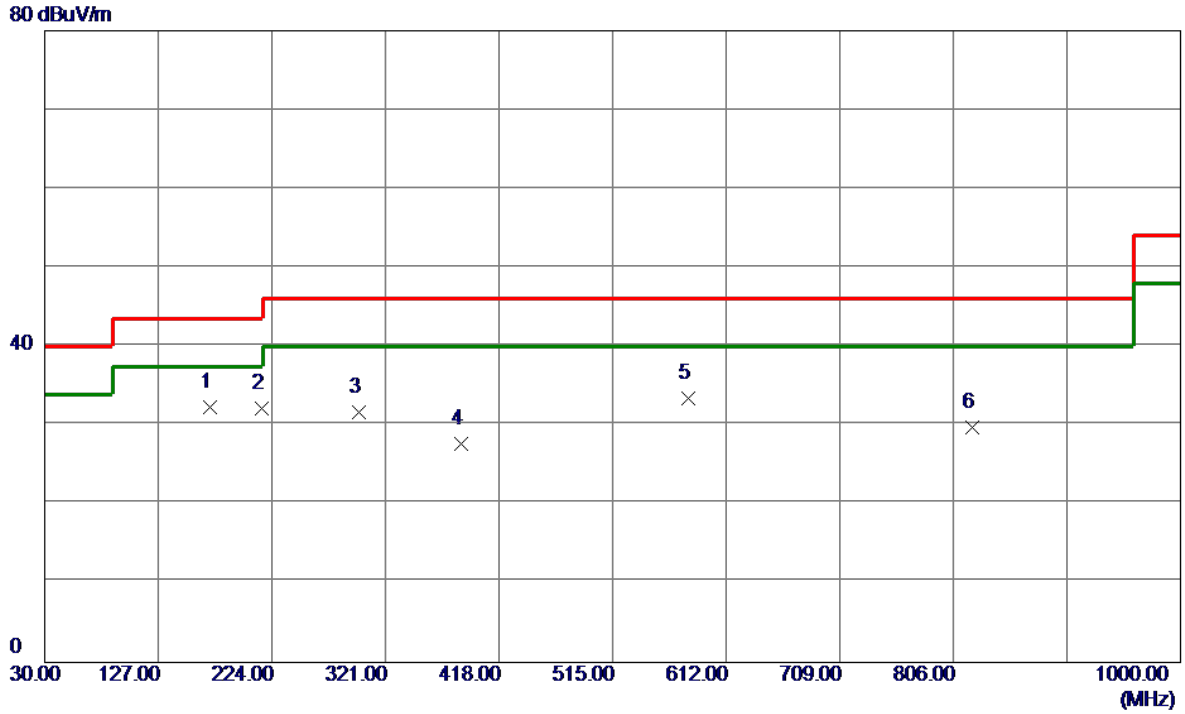
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	113.4200	44.12	-15.74	28.38	43.50	-15.12	Peak	
2 *	171.6200	49.06	-11.46	37.60	43.50	-5.90	Peak	
3	215.2700	48.25	-15.02	33.23	43.50	-10.27	Peak	
4	547.4950	35.94	-5.62	30.32	46.00	-15.68	Peak	
5	579.9900	42.58	-5.97	36.61	46.00	-9.39	Peak	
6	775.4450	33.58	-2.51	31.07	46.00	-14.93	Peak	

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

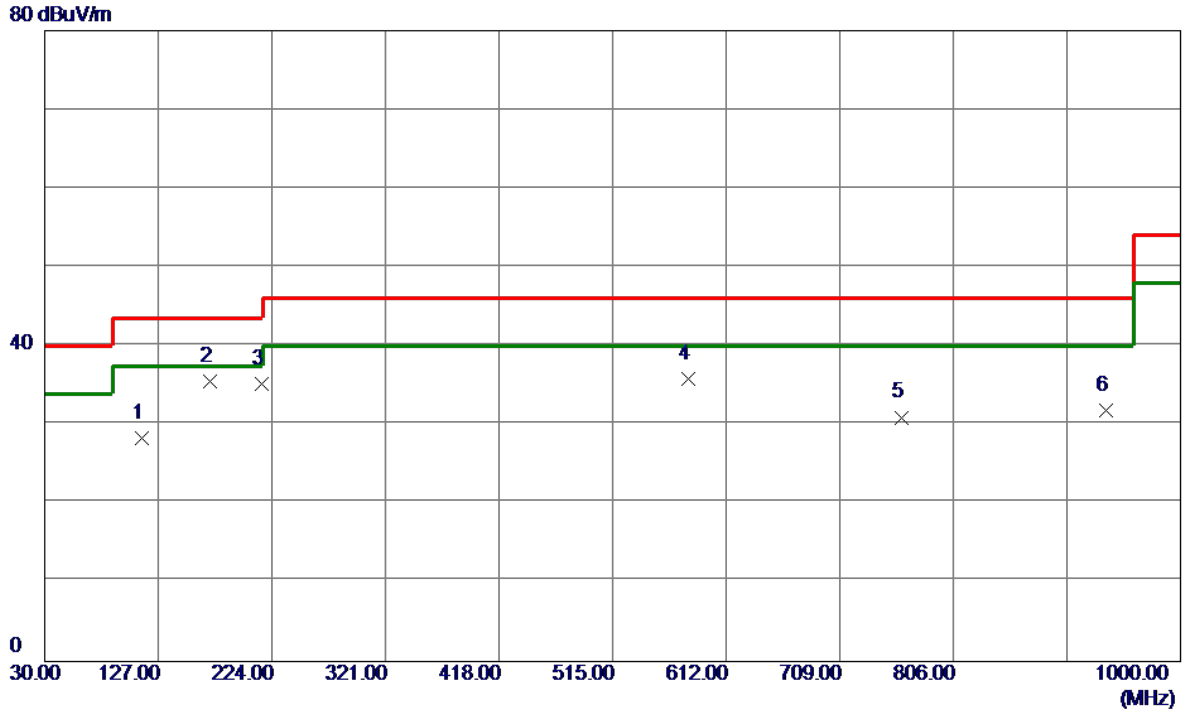
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	171.6200	43.74	-11.46	32.28	43.50	-11.22	Peak	
2	215.2700	47.19	-15.02	32.17	43.50	-11.33	Peak	
3	298.6900	42.20	-10.45	31.75	46.00	-14.25	Peak	
4	385.5050	37.53	-9.87	27.66	46.00	-18.34	Peak	
5	579.9900	39.39	-5.97	33.42	46.00	-12.58	Peak	
6	822.0050	31.10	-1.38	29.72	46.00	-16.28	Peak	

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

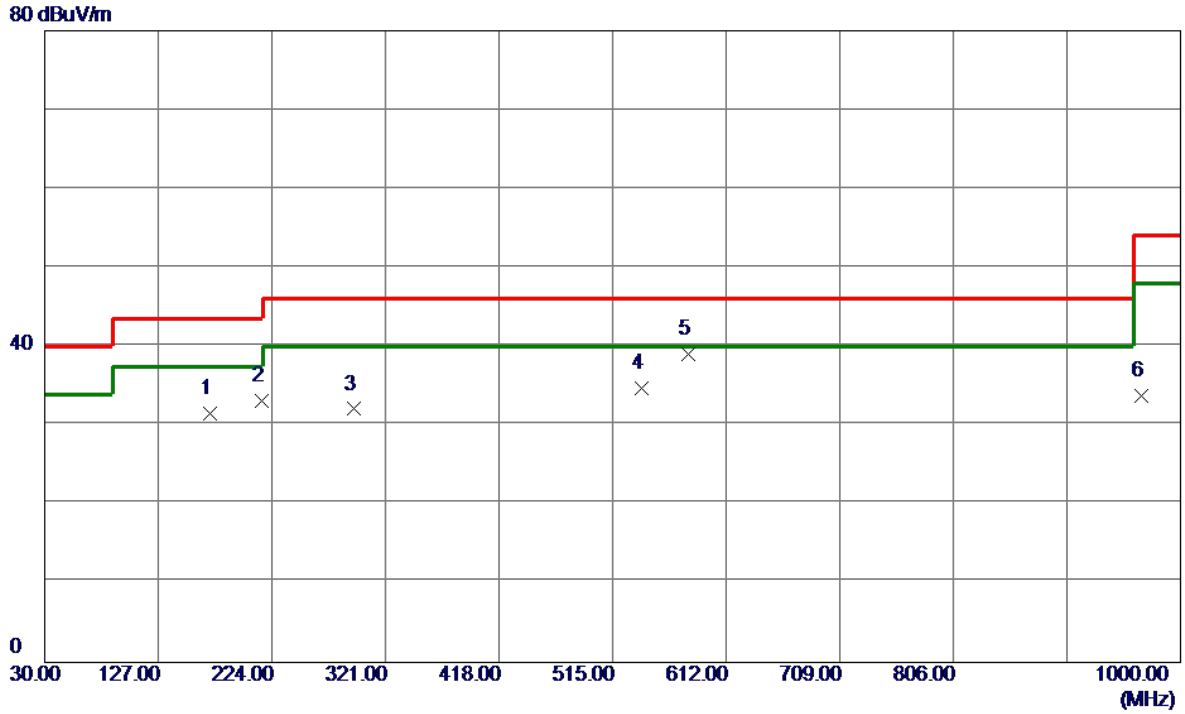
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	112.9350	44.12	-15.81	28.31	43.50	-15.19	Peak	
2 *	171.6200	47.04	-11.46	35.58	43.50	-7.92	Peak	
3	215.7550	50.15	-15.01	35.14	43.50	-8.36	Peak	
4	579.9900	41.87	-5.97	35.90	46.00	-10.10	Peak	
5	761.3800	34.32	-3.36	30.96	46.00	-15.04	Peak	
6	936.4650	31.01	0.87	31.88	46.00	-14.12	Peak	

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

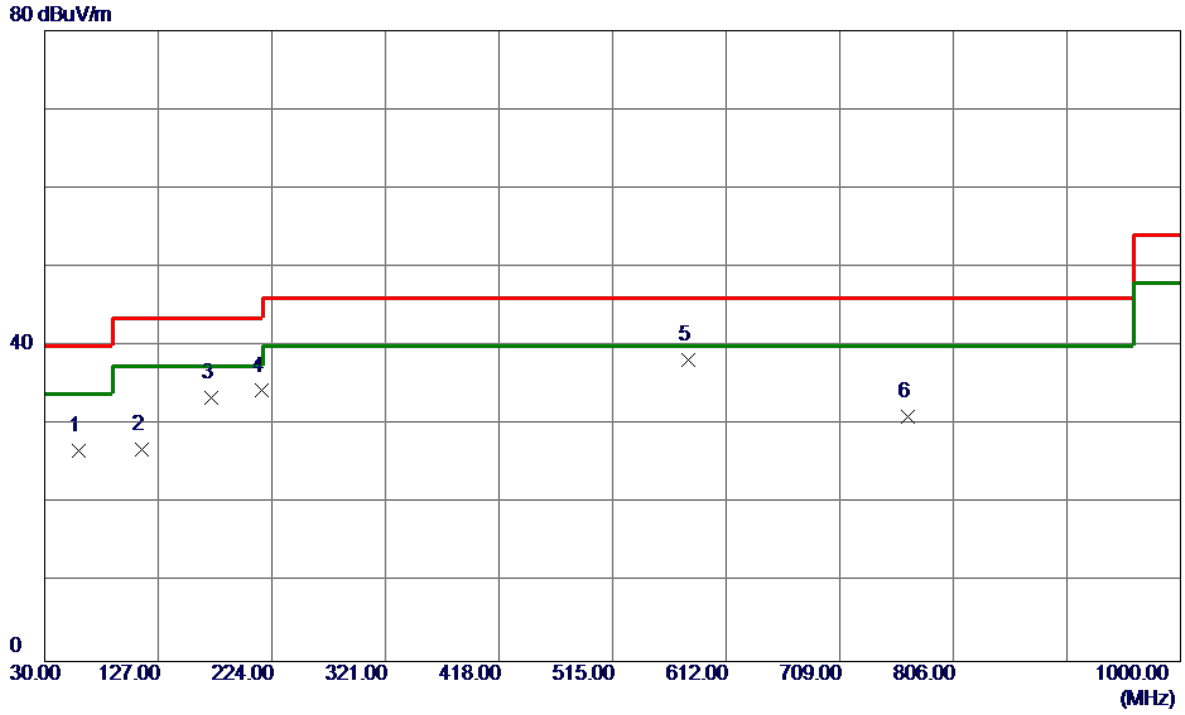
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	171.6200	42.93	-11.46	31.47	43.50	-12.03	Peak	
2	215.2700	48.17	-15.02	33.15	43.50	-10.35	Peak	
3	293.8400	42.81	-10.73	32.08	46.00	-13.92	Peak	
4	540.2199	40.83	-6.06	34.77	46.00	-11.23	Peak	
5 *	579.9900	45.06	-5.97	39.09	46.00	-6.91	Peak	
6	966.5350	32.73	1.02	33.75	54.00	-20.25	Peak	

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

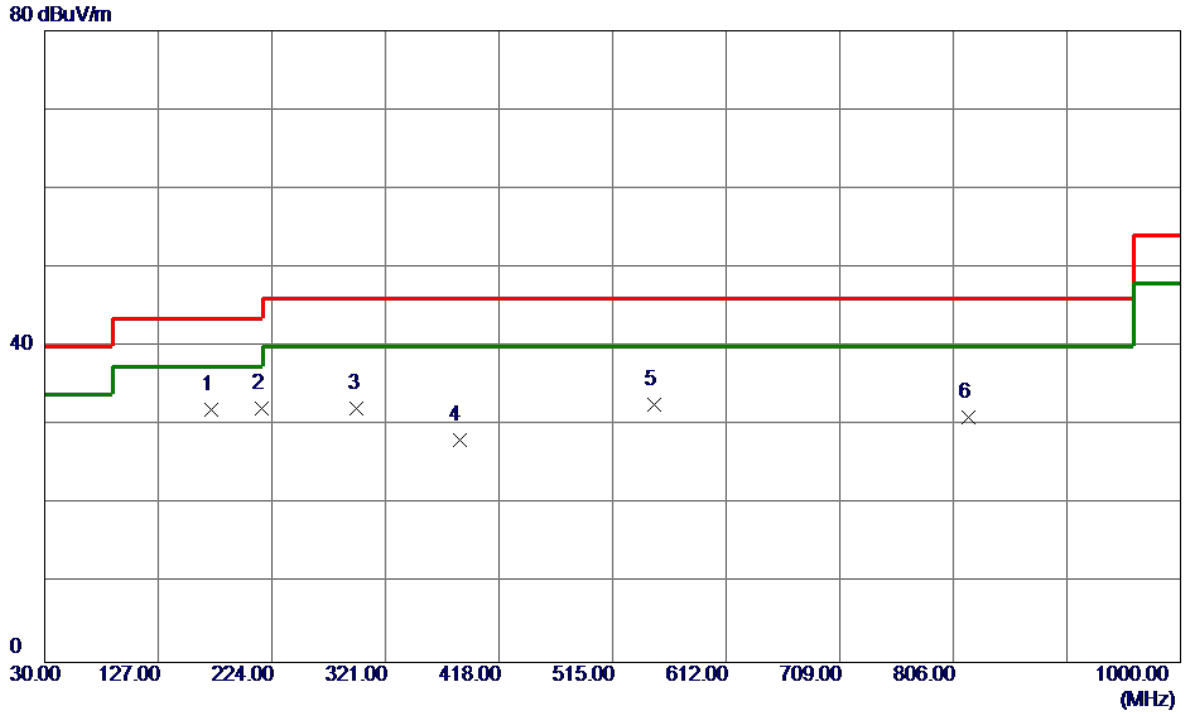
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	58.6150	42.15	-15.49	26.66	40.00	-13.34	Peak	
2	112.9350	42.71	-15.81	26.90	43.50	-16.60	Peak	
3	172.1050	45.02	-11.54	33.48	43.50	-10.02	Peak	
4	215.2700	49.34	-15.02	34.32	43.50	-9.18	Peak	
5 *	579.9900	44.21	-5.97	38.24	46.00	-7.76	Peak	
6	766.7150	34.09	-3.04	31.05	46.00	-14.95	Peak	

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

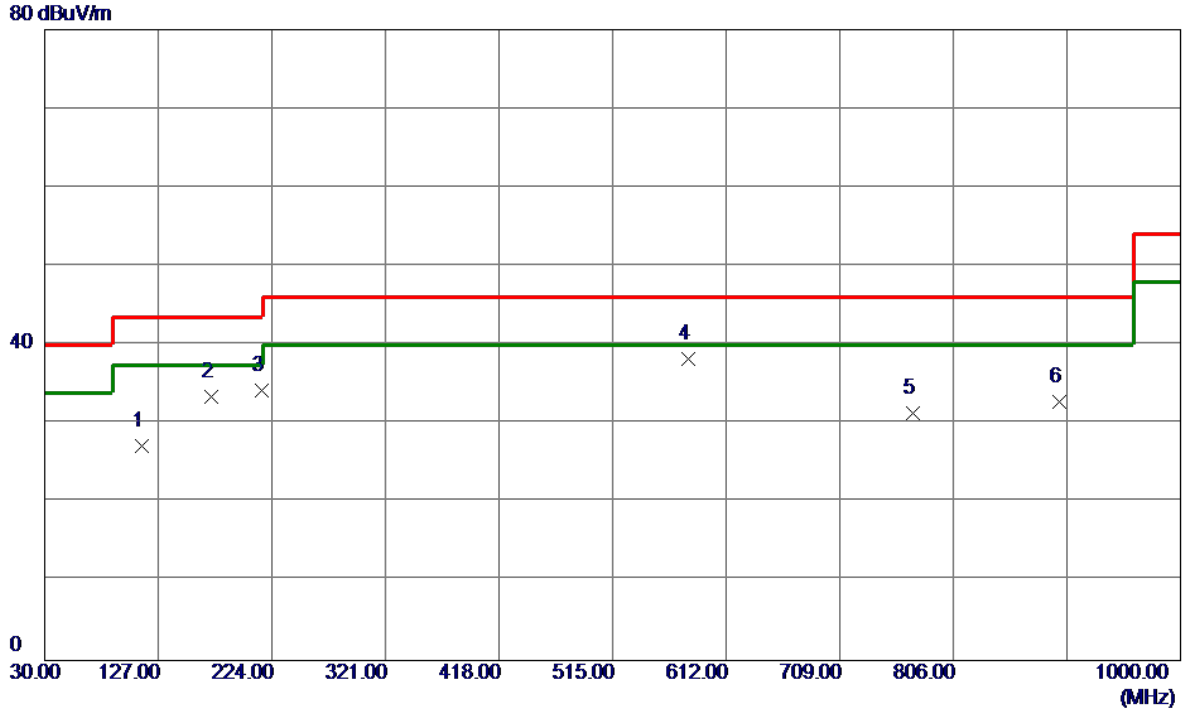
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	172.1050	43.51	-11.54	31.97	43.50	-11.53	Peak	
2 *	215.2700	47.11	-15.02	32.09	43.50	-11.41	Peak	
3	296.7500	42.76	-10.56	32.20	46.00	-13.80	Peak	
4	384.0500	38.10	-9.92	28.18	46.00	-17.82	Peak	
5	550.8900	38.06	-5.48	32.58	46.00	-13.42	Peak	
6	818.6100	32.30	-1.33	30.97	46.00	-15.03	Peak	

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

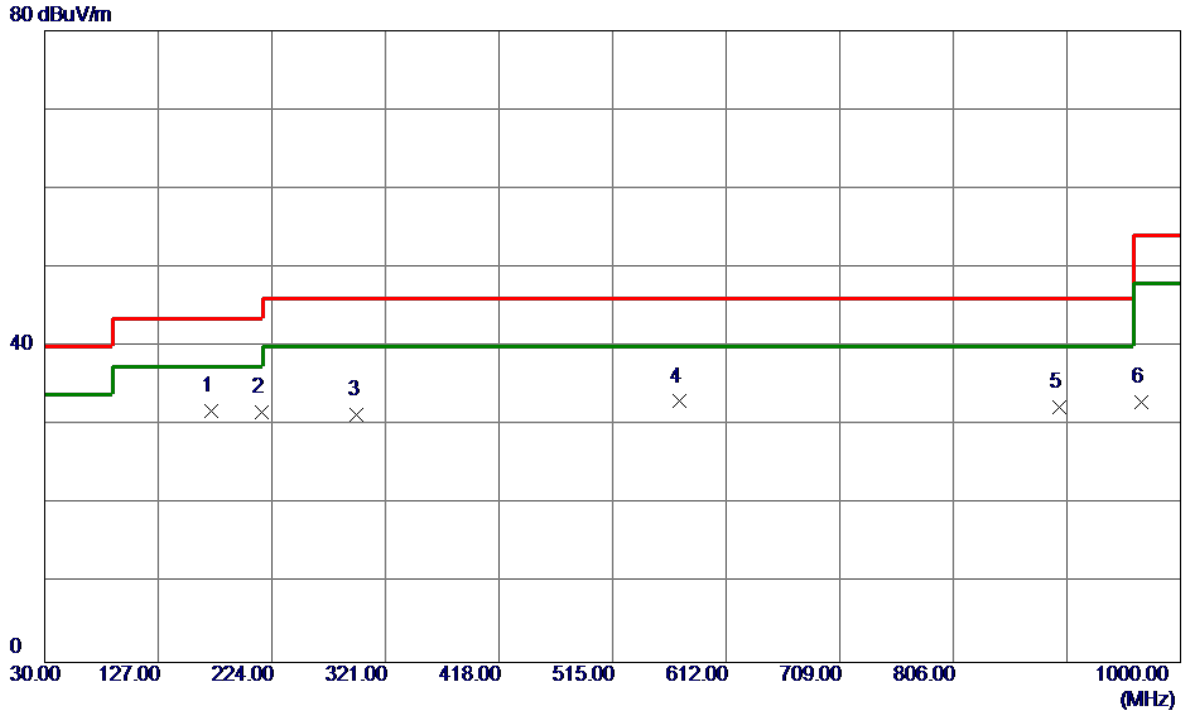
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	113.4200	42.93	-15.74	27.19	43.50	-16.31	Peak	
2	172.1050	45.05	-11.54	33.51	43.50	-9.99	Peak	
3	215.2700	49.33	-15.02	34.31	43.50	-9.19	Peak	
4 *	579.9900	44.16	-5.97	38.19	46.00	-7.81	Peak	
5	771.0800	34.20	-2.78	31.42	46.00	-14.58	Peak	
6	896.6950	33.50	-0.68	32.82	46.00	-13.18	Peak	

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

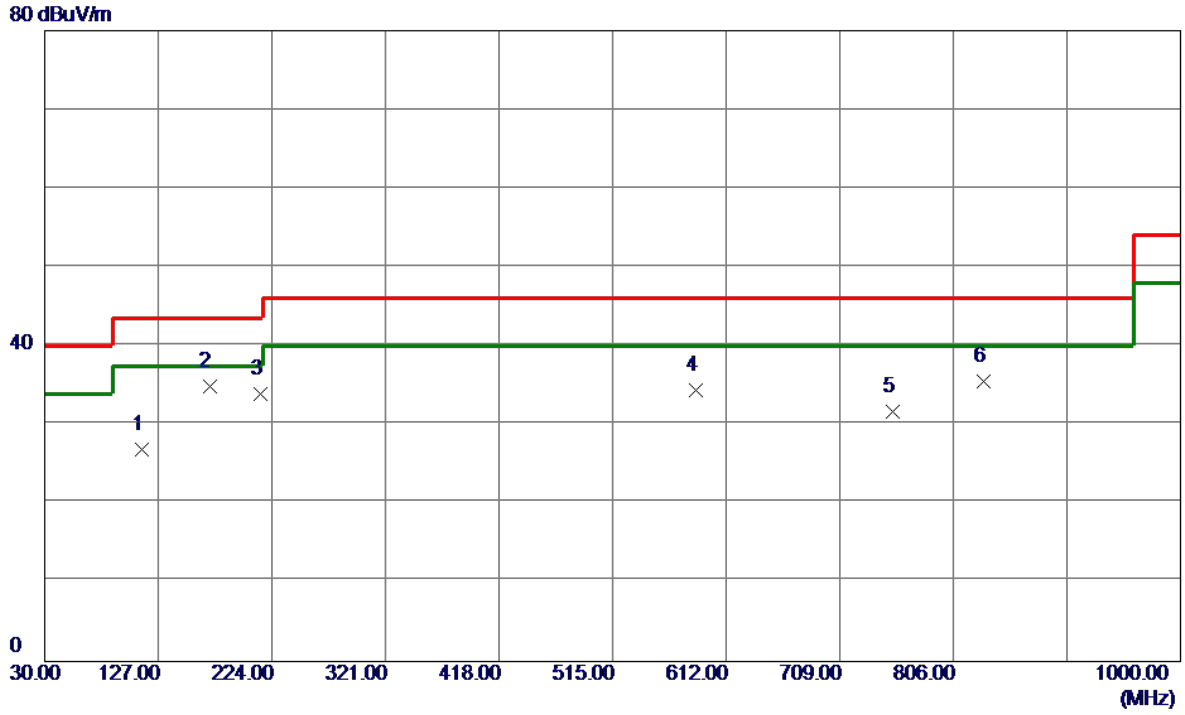
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	172.1050	43.43	-11.54	31.89	43.50	-11.61	Peak	
2	215.2700	46.69	-15.02	31.67	43.50	-11.83	Peak	
3	296.7500	41.90	-10.56	31.34	46.00	-14.66	Peak	
4	572.2300	38.88	-5.84	33.04	46.00	-12.96	Peak	
5	896.6950	33.03	-0.68	32.35	46.00	-13.65	Peak	
6	966.5350	31.97	1.02	32.99	54.00	-21.01	Peak	

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

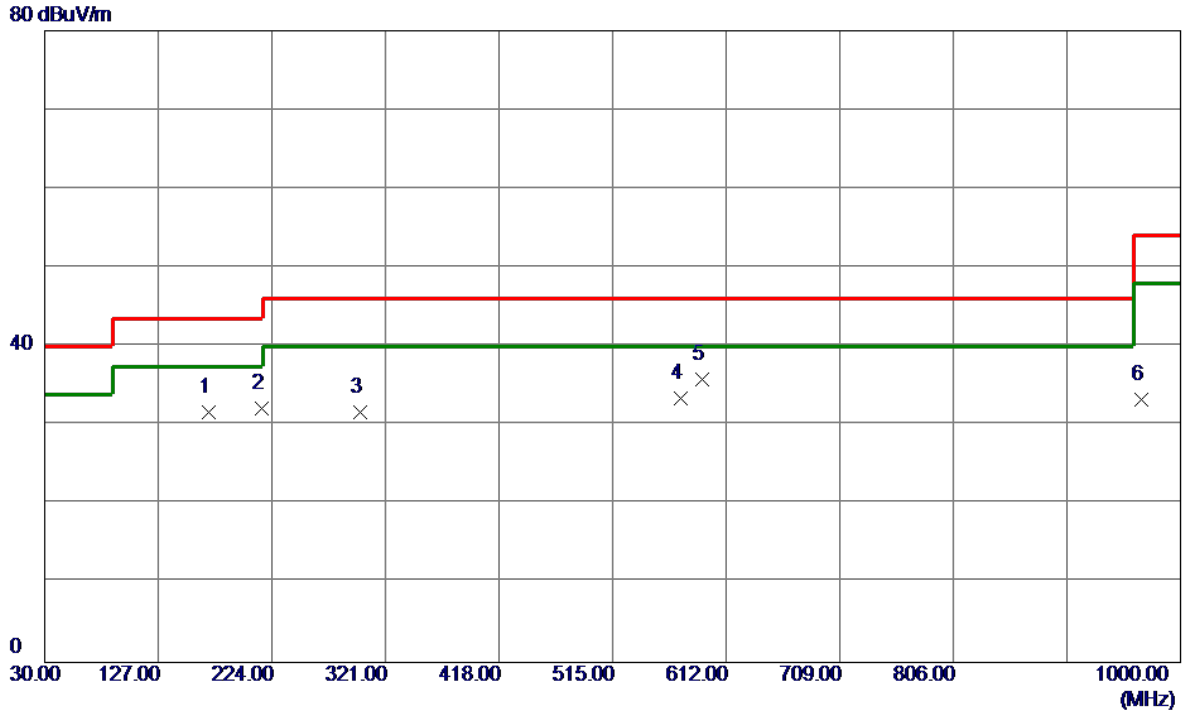
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	113.4200	42.59	-15.74	26.85	43.50	-16.65	Peak	
2 *	170.6500	46.24	-11.31	34.93	43.50	-8.57	Peak	
3	214.7850	48.98	-15.04	33.94	43.50	-9.56	Peak	
4	585.8100	40.44	-6.06	34.38	46.00	-11.62	Peak	
5	754.5900	35.47	-3.77	31.70	46.00	-14.30	Peak	
6	832.1900	37.13	-1.54	35.59	46.00	-10.41	Peak	

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

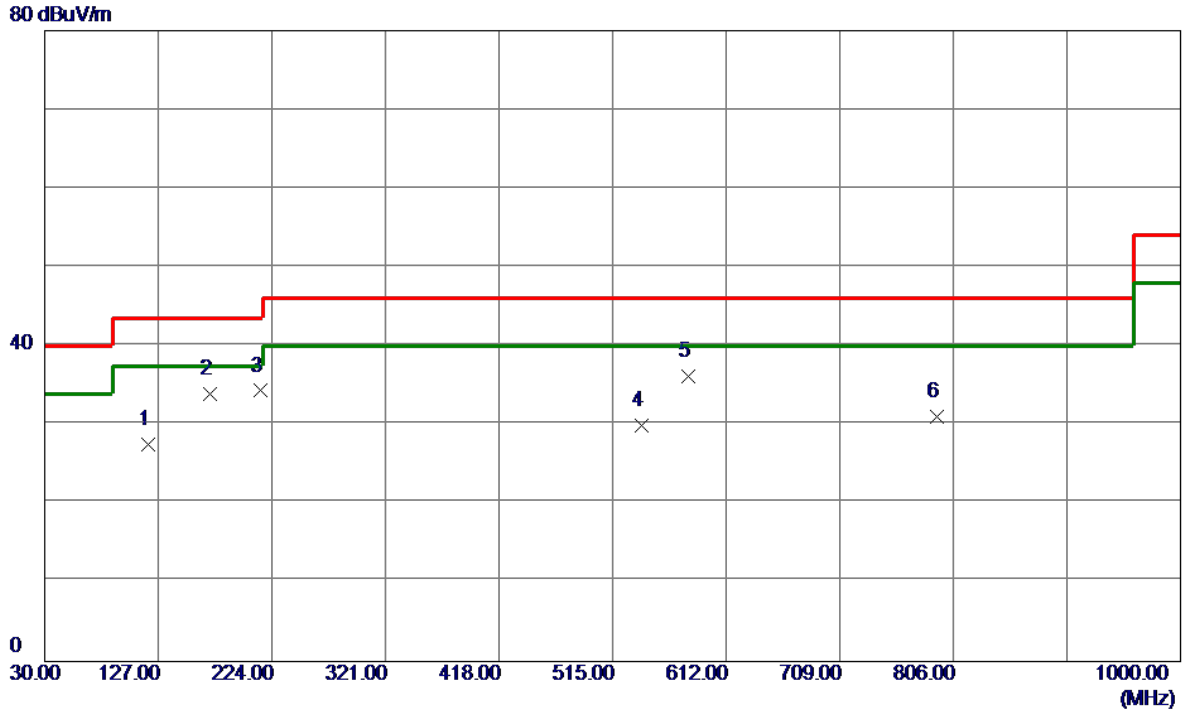
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	170.1649	42.90	-11.23	31.67	43.50	-11.83	Peak	
2	215.7550	47.22	-15.01	32.21	43.50	-11.29	Peak	
3	299.1750	42.05	-10.42	31.63	46.00	-14.37	Peak	
4	573.6850	39.35	-5.86	33.49	46.00	-12.51	Peak	
5 *	591.1450	42.01	-6.15	35.86	46.00	-10.14	Peak	
6	966.5350	32.19	1.02	33.21	54.00	-20.79	Peak	

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

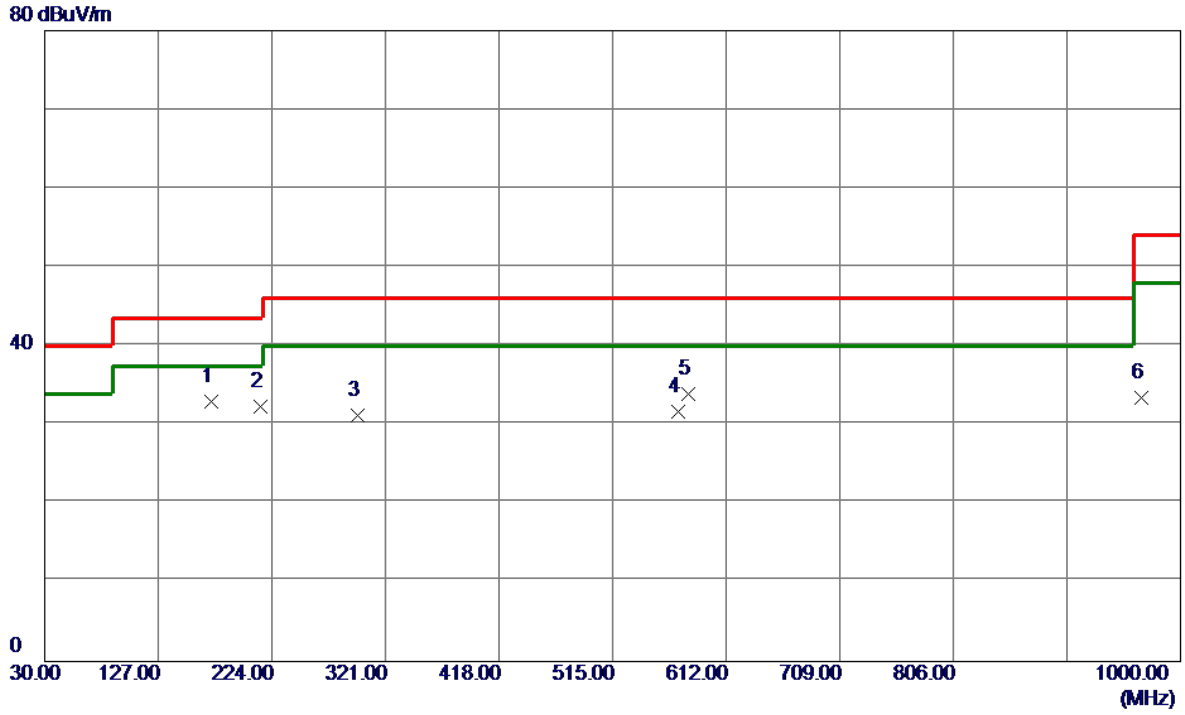
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	118.2700	42.51	-14.96	27.55	43.50	-15.95	Peak	
2	171.1350	45.32	-11.38	33.94	43.50	-9.56	Peak	
3 *	214.7850	49.36	-15.04	34.32	43.50	-9.18	Peak	
4	540.2199	35.96	-6.06	29.90	46.00	-16.10	Peak	
5	579.9900	42.17	-5.97	36.20	46.00	-9.80	Peak	
6	792.4200	32.57	-1.50	31.07	46.00	-14.93	Peak	

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

Horizontal

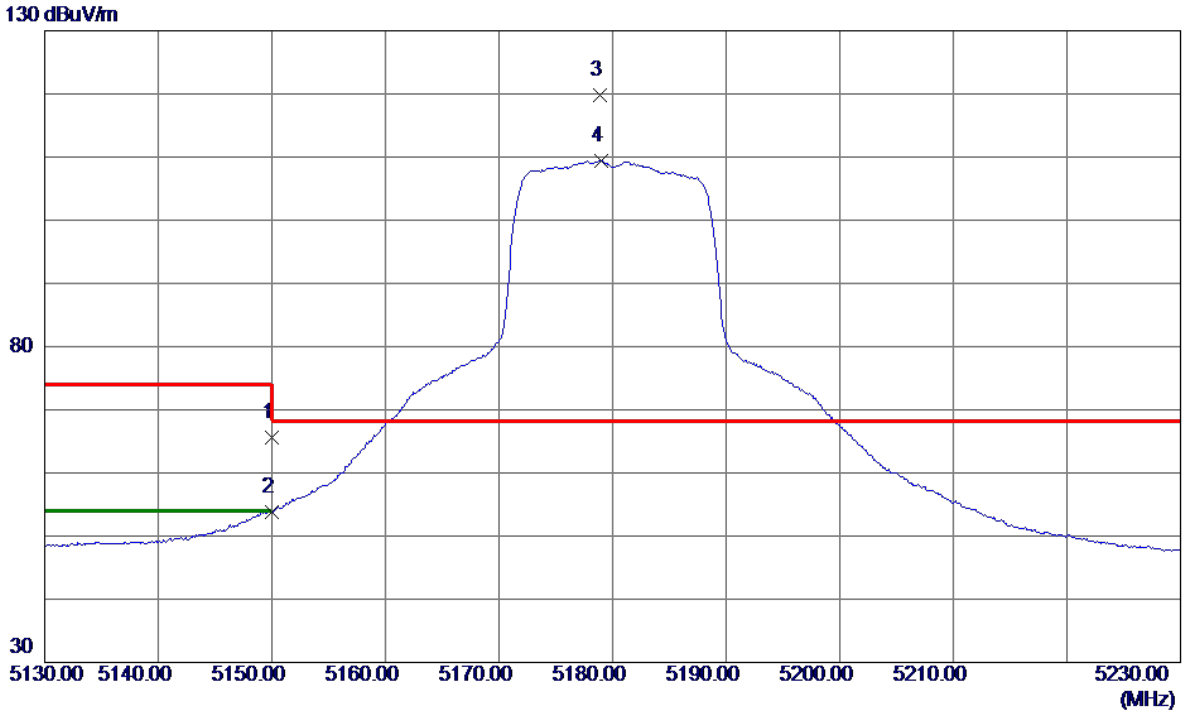


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	172.1050	44.47	-11.54	32.93	43.50	-10.57	Peak	
2	214.3000	47.32	-15.06	32.26	43.50	-11.24	Peak	
3	297.7200	41.71	-10.50	31.21	46.00	-14.79	Peak	
4	570.7750	37.42	-5.81	31.61	46.00	-14.39	Peak	
5	579.9900	39.92	-5.97	33.95	46.00	-12.05	Peak	
6	966.5350	32.49	1.02	33.51	54.00	-20.49	Peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000 MHZ)

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

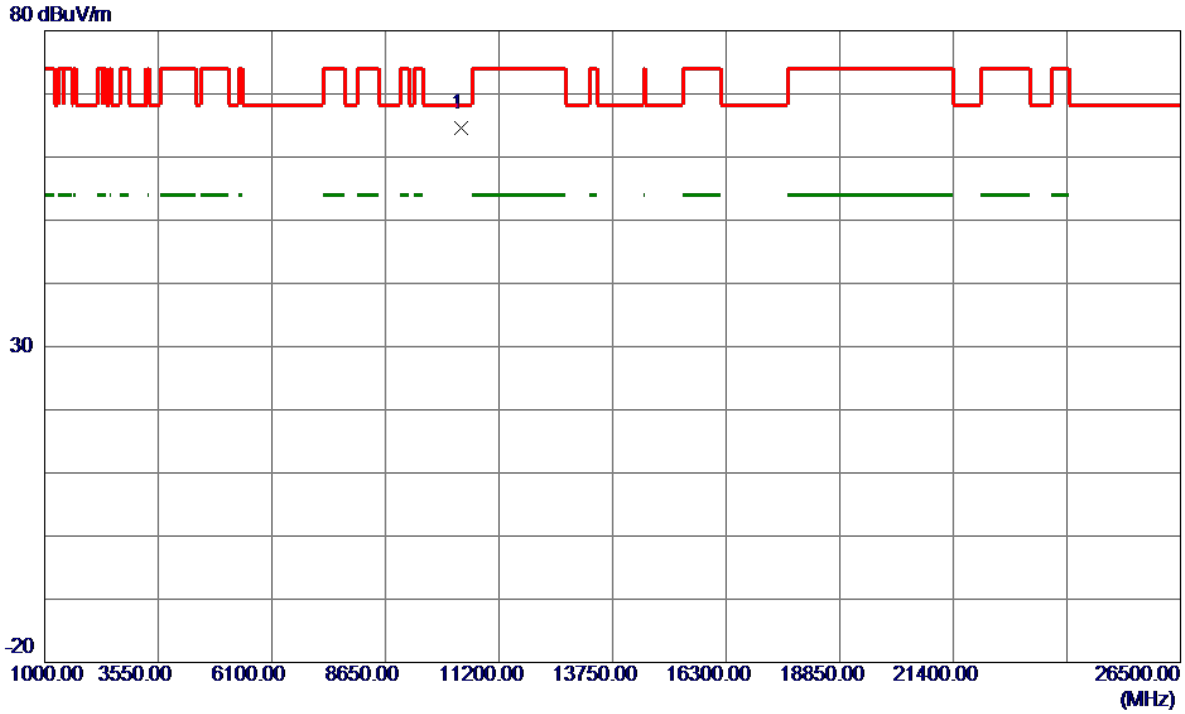
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	50.85	14.70	65.55	74.00	-8.45	Peak	
2	5150.0000	39.10	14.70	53.80	54.00	-0.20	AVG	
3 *	5178.9000	104.97	14.74	119.71	68.30	51.41	Peak	No Limit
4	5178.9500	94.74	14.74	109.48	999.00	-889.52	AVG	No Limit

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

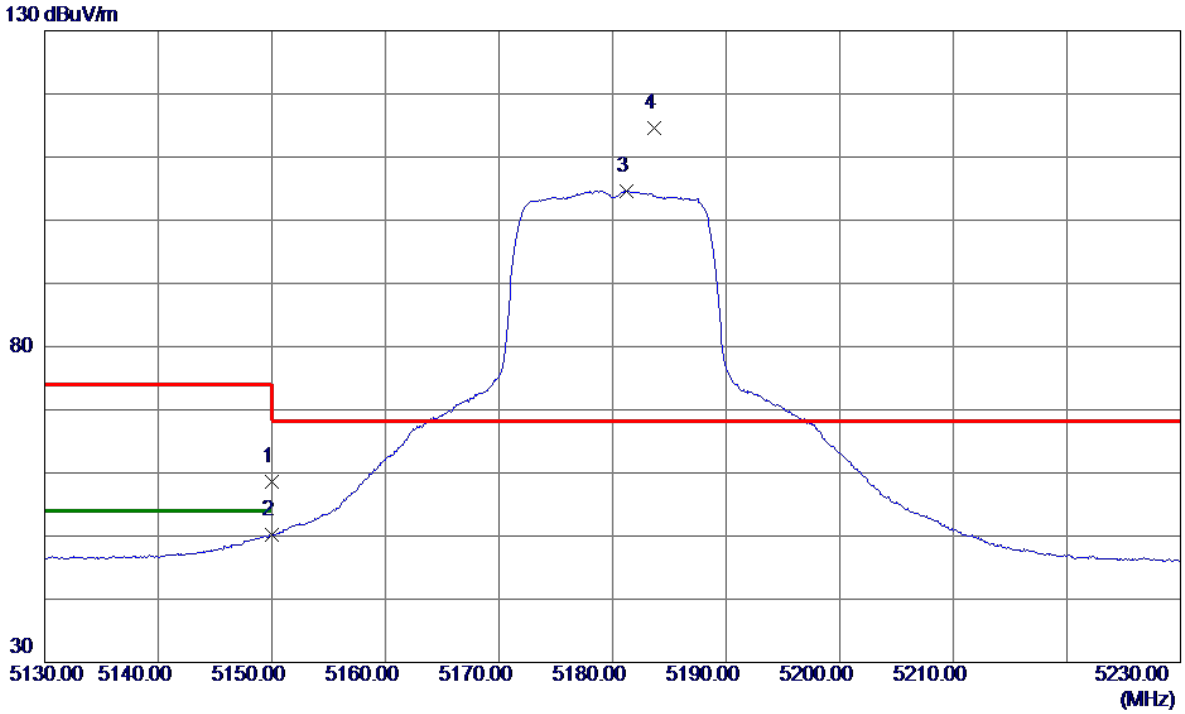
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10359.8250	54.06	10.58	64.64	68.30	-3.66	Peak	

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

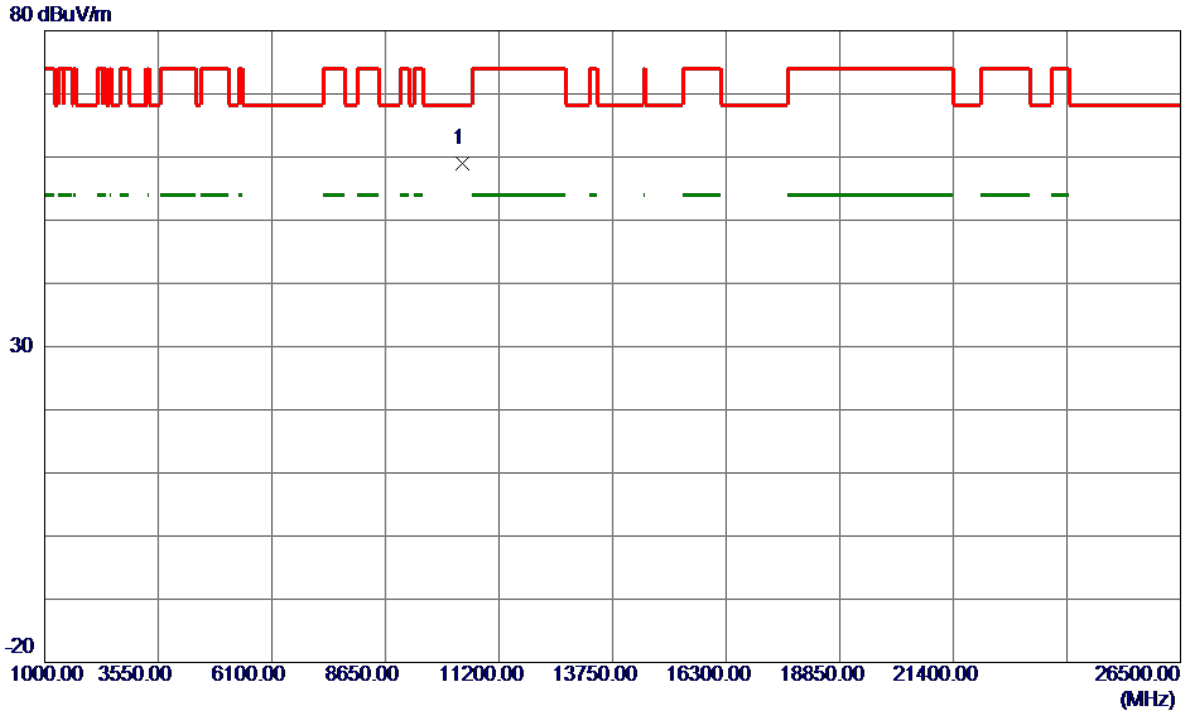
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	43.88	14.70	58.58	74.00	-15.42	Peak	
2	5150.0000	35.50	14.70	50.20	54.00	-3.80	AVG	
3	5181.2500	89.93	14.75	104.68	999.00	-894.32	AVG	No Limit
4 *	5183.6500	99.89	14.75	114.64	68.30	46.34	Peak	No Limit

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

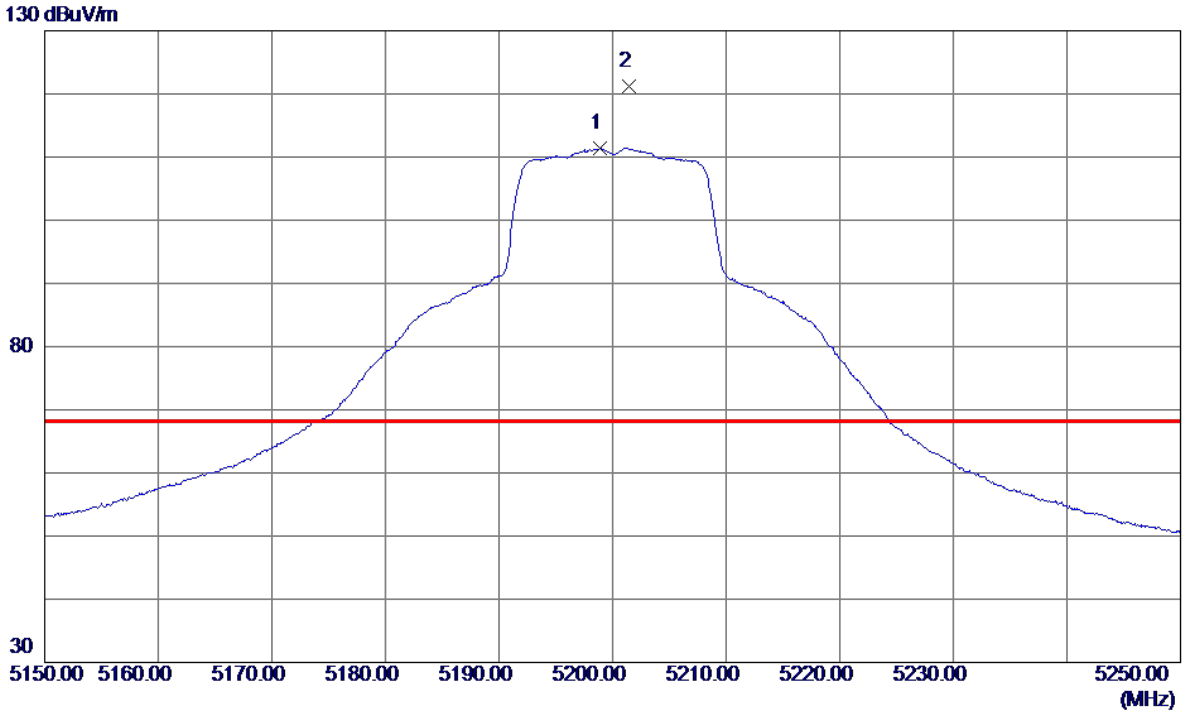
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10366.4500	48.46	10.59	59.05	68.30	-9.25	Peak	

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

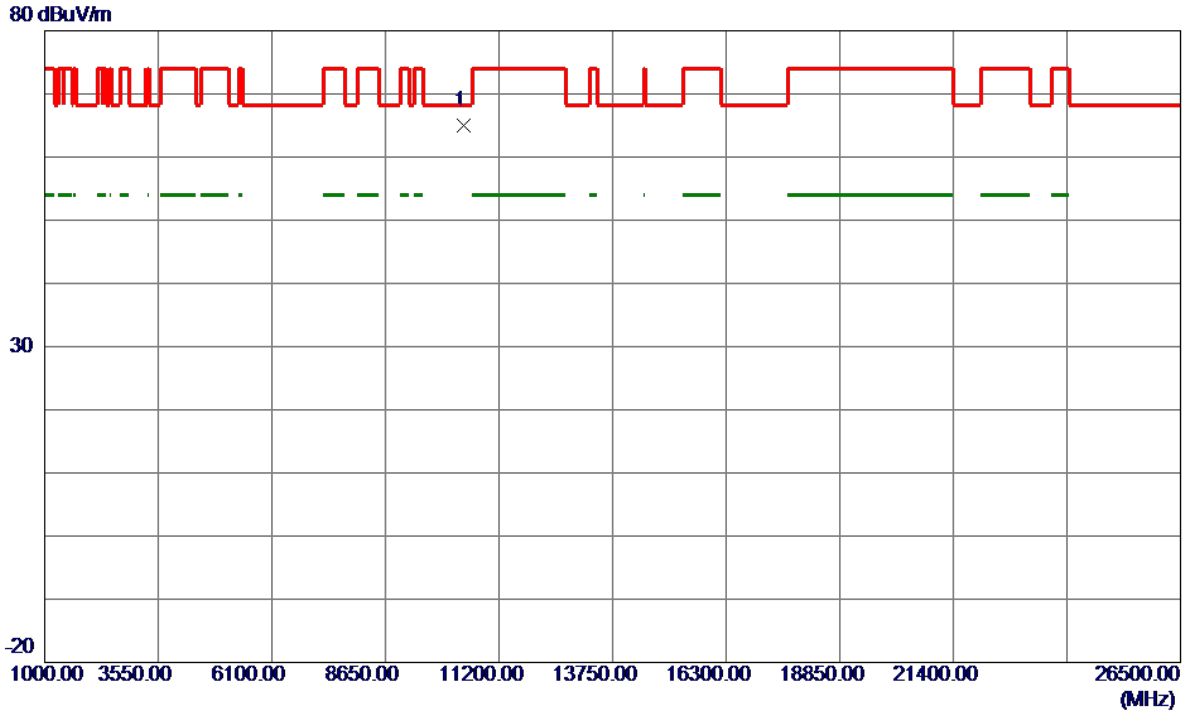
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5198.9000	96.68	14.77	111.45	999.00	-887.55	AVG	No Limit
2 *	5201.4500	106.46	14.77	121.23	68.30	52.93	Peak	No Limit

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

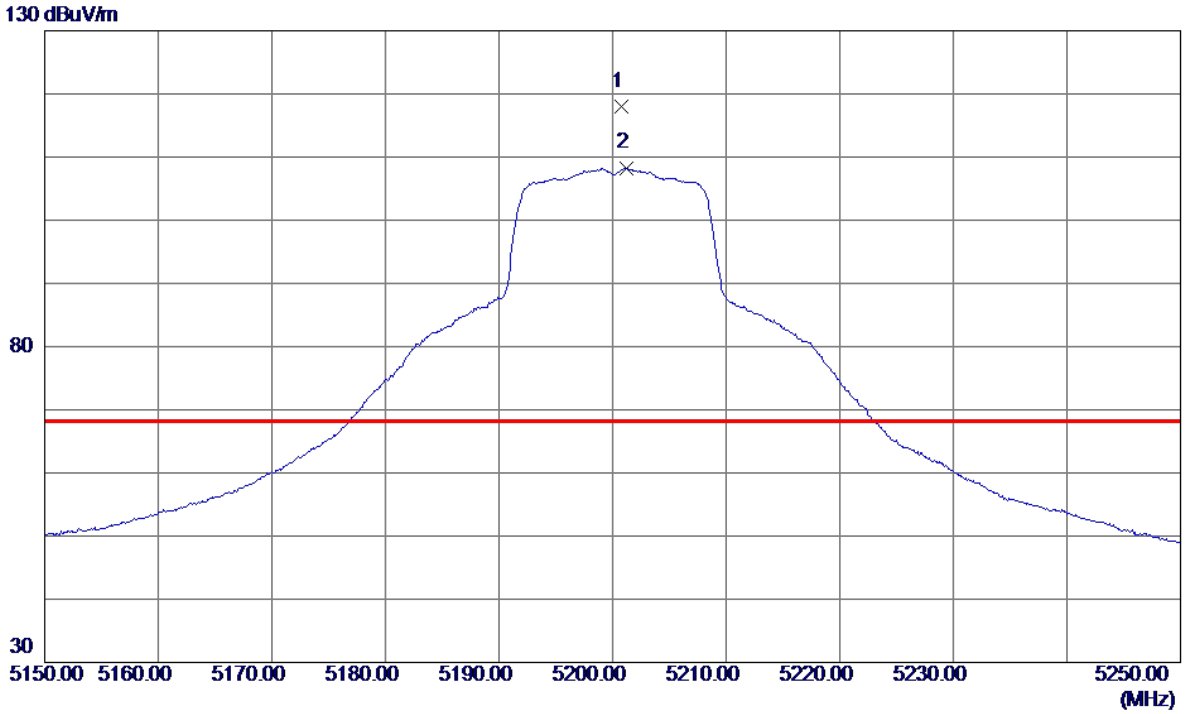
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.9250	54.31	10.63	64.94	68.30	-3.36	Peak	

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

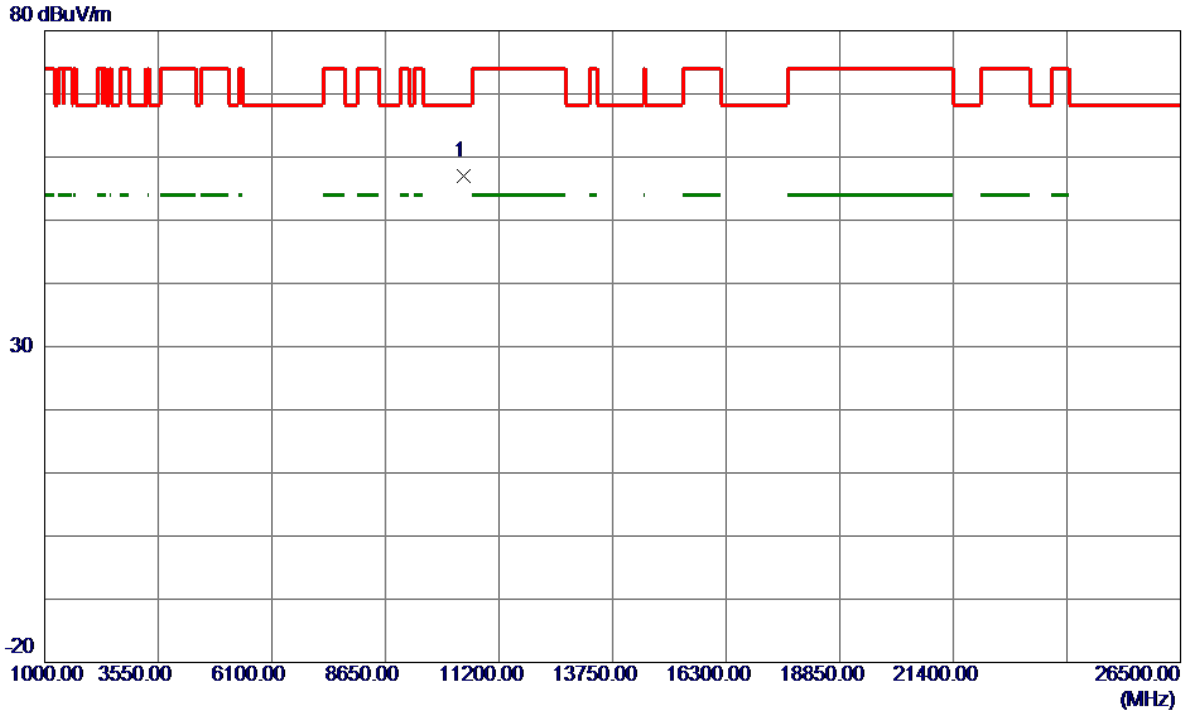
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5200.8000	103.19	14.77	117.96	68.30	49.66	Peak	No Limit
2	5201.2500	93.53	14.77	108.30	999.00	-890.70	AVG	No Limit

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

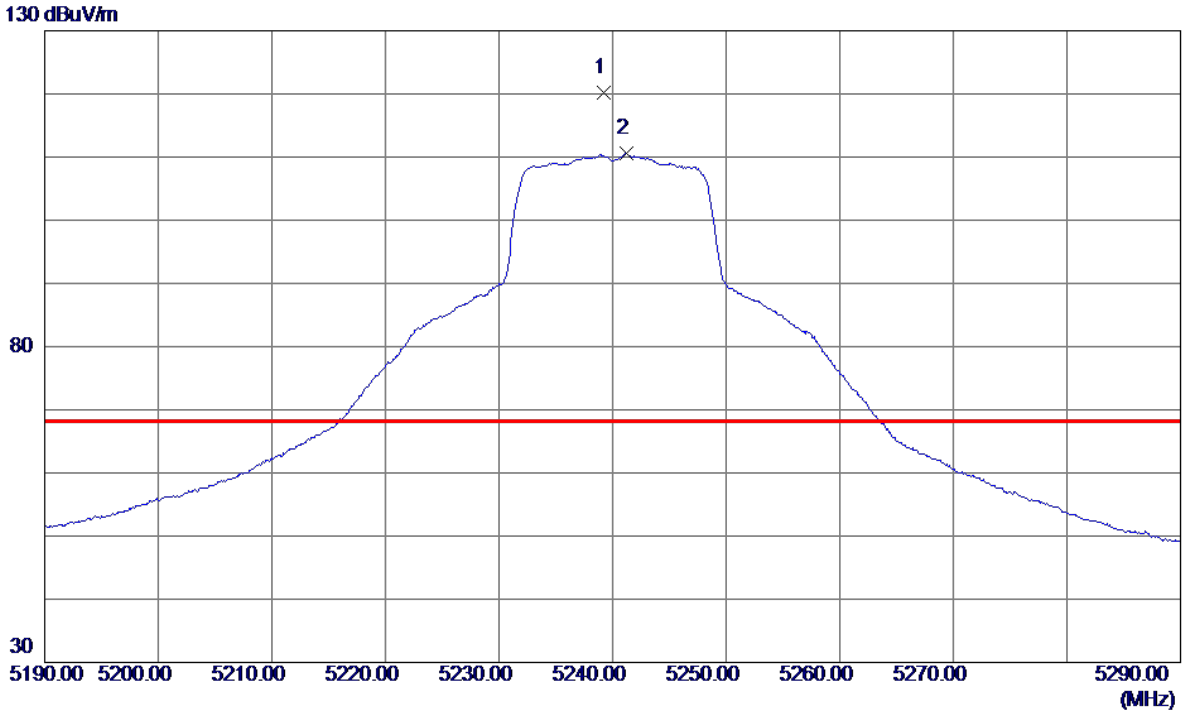
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10403.9750	46.32	10.64	56.96	68.30	-11.34	Peak	

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

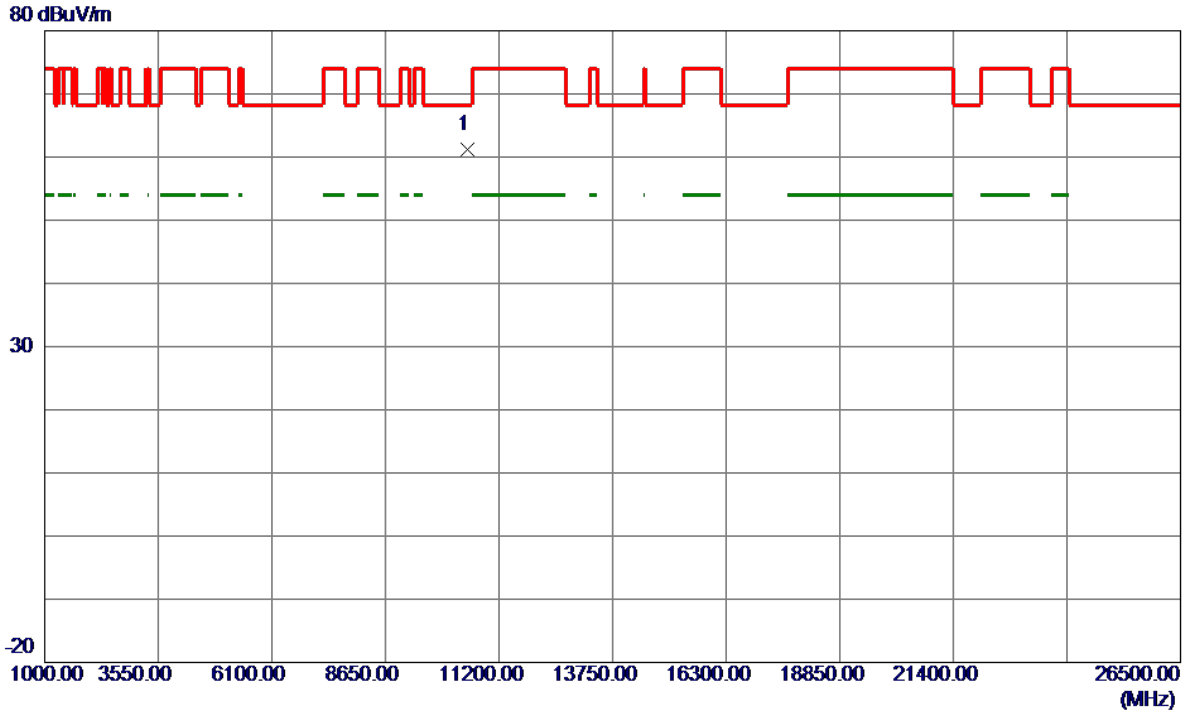
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5239.2500	105.29	14.82	120.11	68.30	51.81	Peak	No Limit
2	5241.2000	95.72	14.82	110.54	999.00	-888.46	AVG	No Limit

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

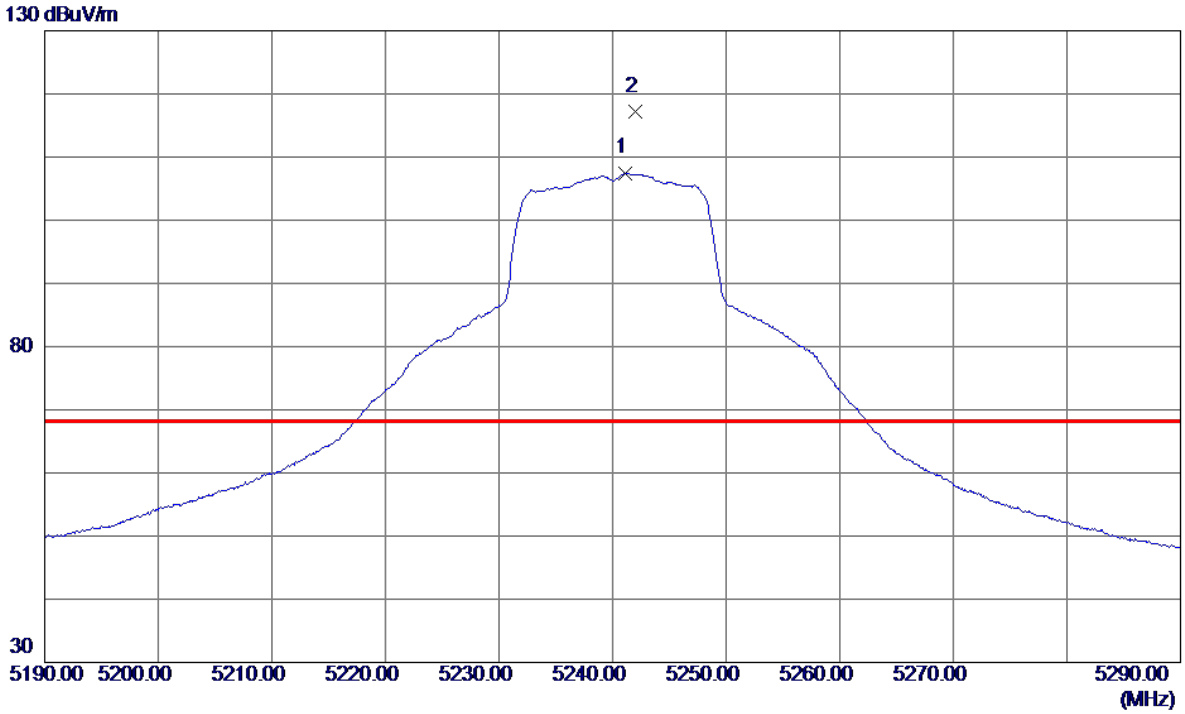
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10478.6750	50.42	10.73	61.15	68.30	-7.15	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5241.1500	92.68	14.82	107.50	999.00	-891.50	AVG	No Limit
2 *	5242.0000	102.32	14.82	117.14	68.30	48.84	Peak	No Limit

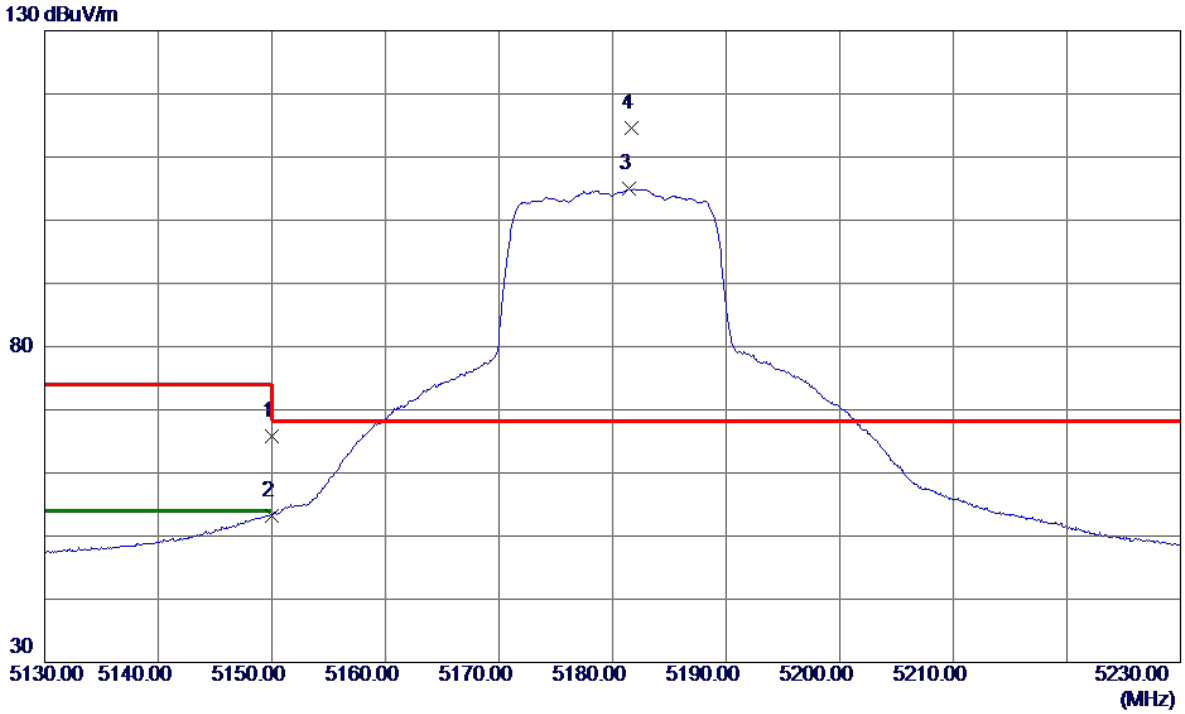
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5240 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.3250	41.25	10.73	51.98	68.30	-16.32	Peak	

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

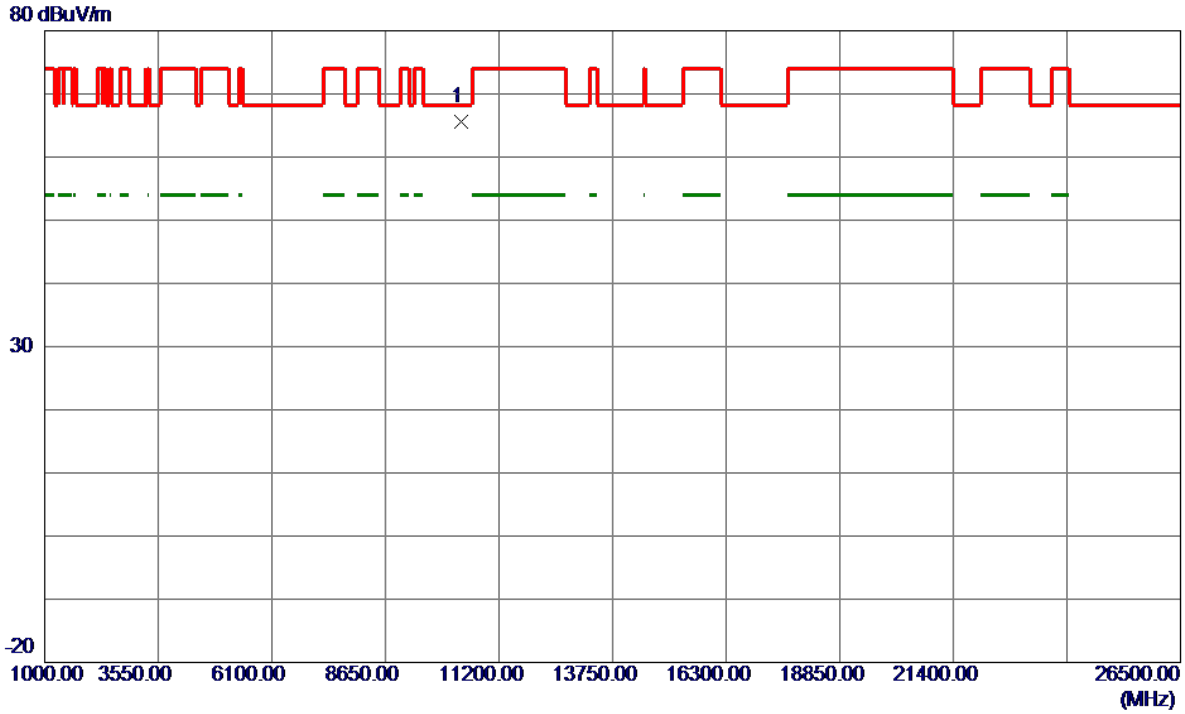
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	51.16	14.70	65.86	74.00	-8.14	Peak	
2	5150.0000	38.57	14.70	53.27	54.00	-0.73	AVG	
3	5181.4500	90.25	14.75	105.00	999.00	-894.00	AVG	No Limit
4 *	5181.7000	99.84	14.75	114.59	68.30	46.29	Peak	No Limit

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

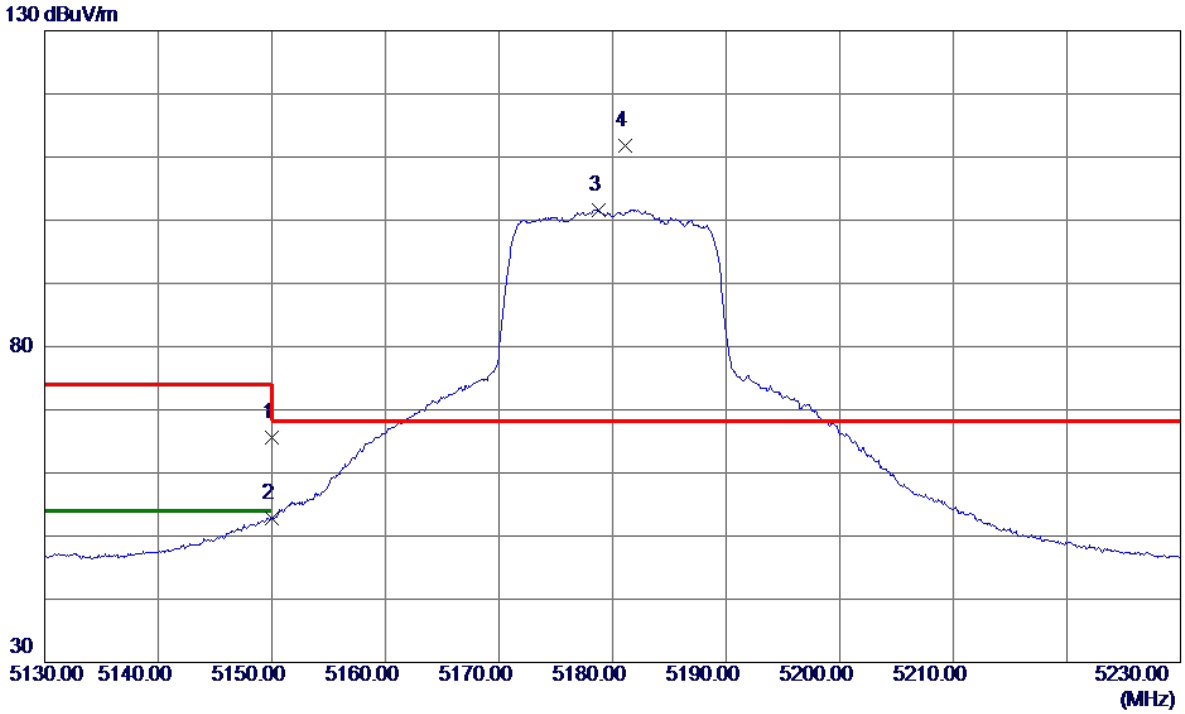
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10358.3500	54.99	10.58	65.57	68.30	-2.73	Peak	

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

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	50.95	14.70	65.65	74.00	-8.35	Peak	
2	5150.0000	38.09	14.70	52.79	54.00	-1.21	AVG	
3	5178.7500	86.93	14.74	101.67	999.00	-897.33	AVG	No Limit
4 *	5181.1000	97.14	14.75	111.89	68.30	43.59	Peak	No Limit

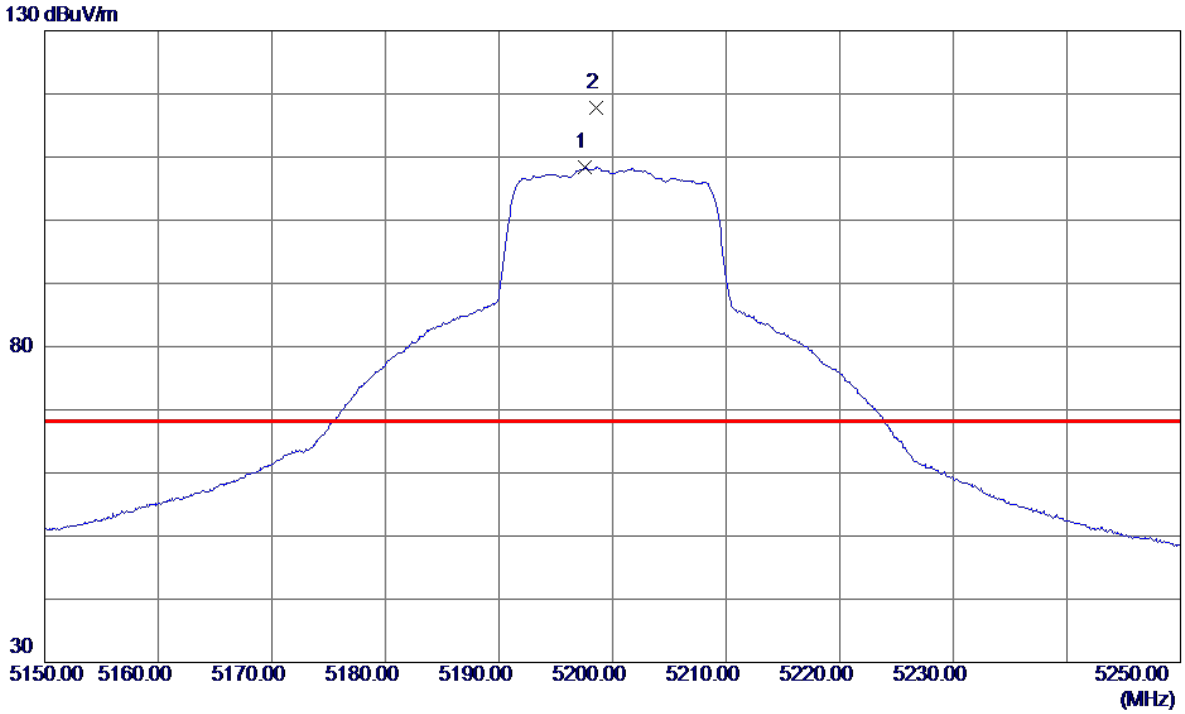
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5180 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10361.1500	44.11	10.58	54.69	68.30	-13.61	Peak	

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

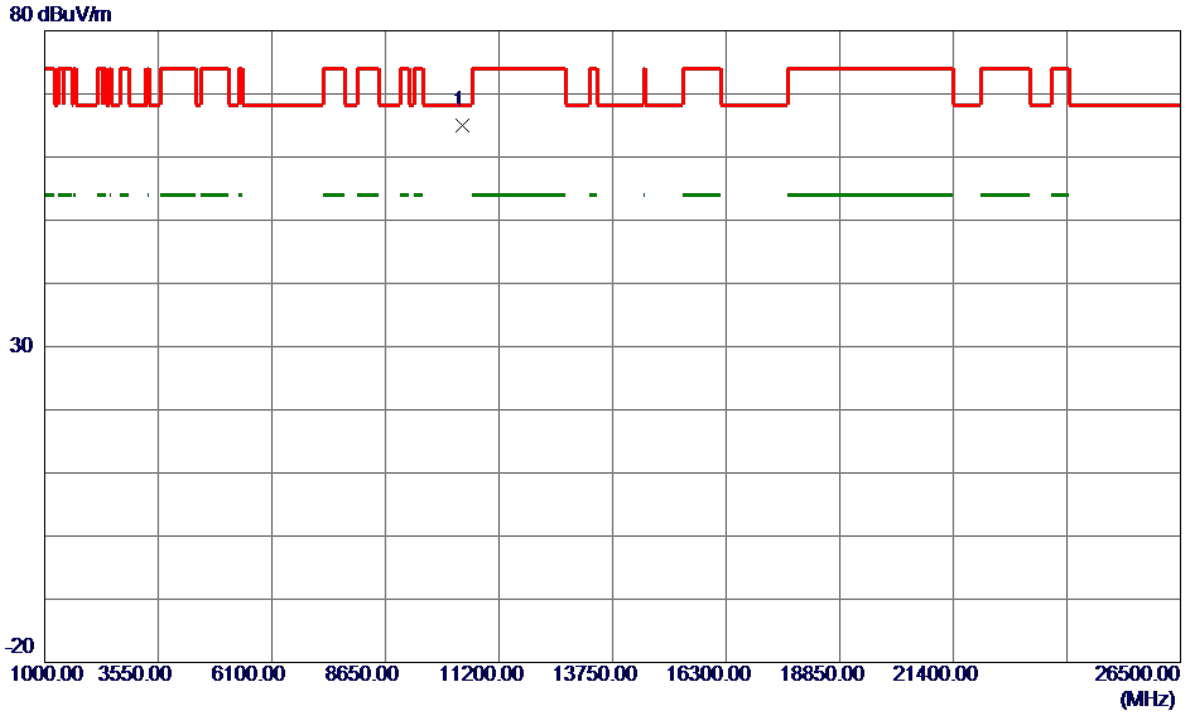
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5197.6000	93.61	14.77	108.38	999.00	-890.62	AVG	No Limit
2 *	5198.6000	102.96	14.77	117.73	68.30	49.43	Peak	No Limit

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

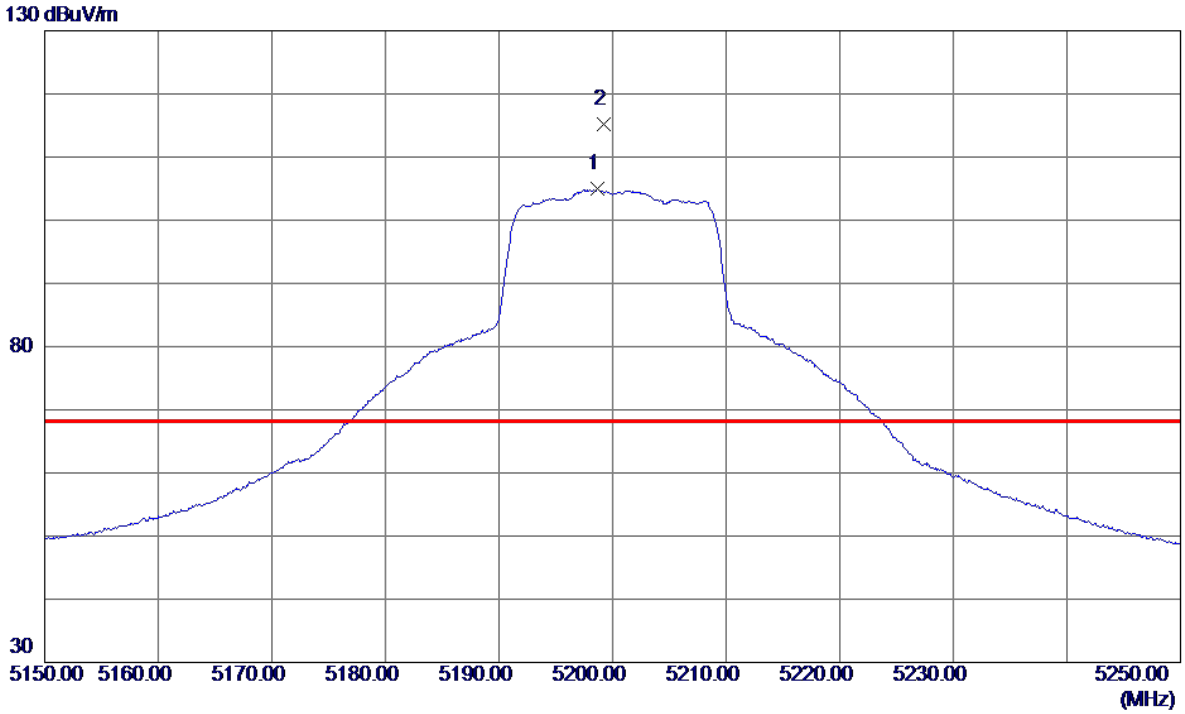
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10392.2750	54.43	10.62	65.05	68.30	-3.25	Peak	

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

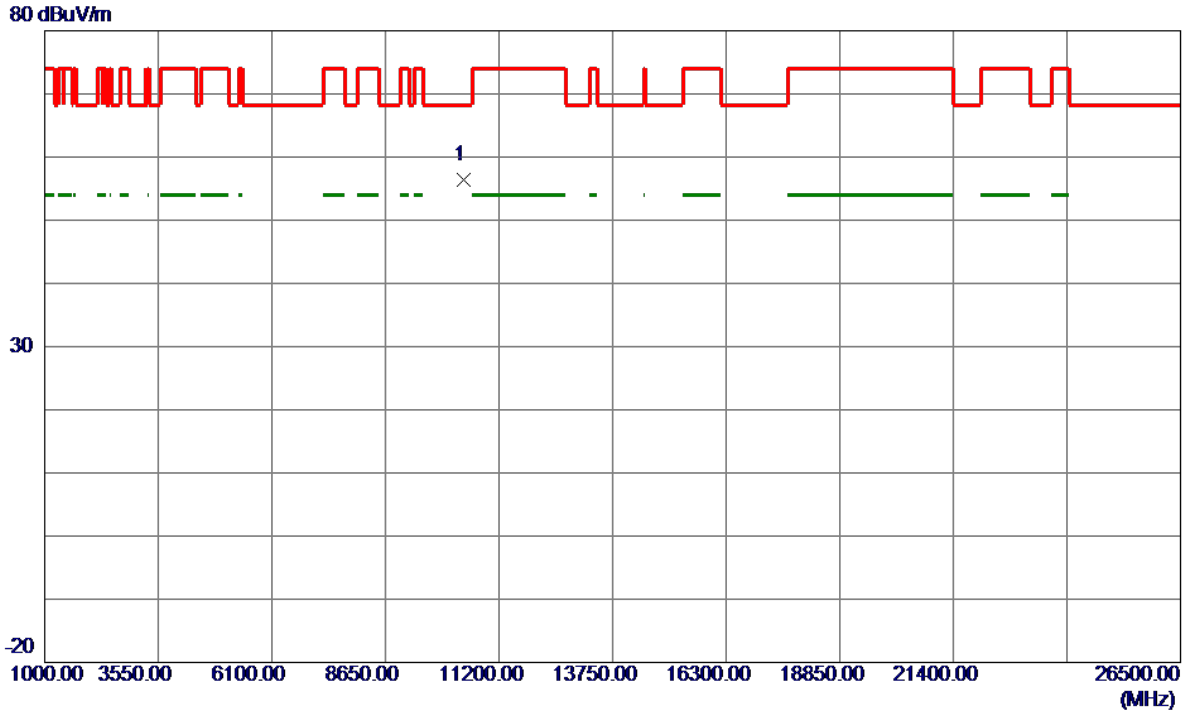
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5198.7000	90.32	14.77	105.09	999.00	-893.91	AVG	No Limit
2 *	5199.2500	100.49	14.77	115.26	68.30	46.96	Peak	No Limit

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

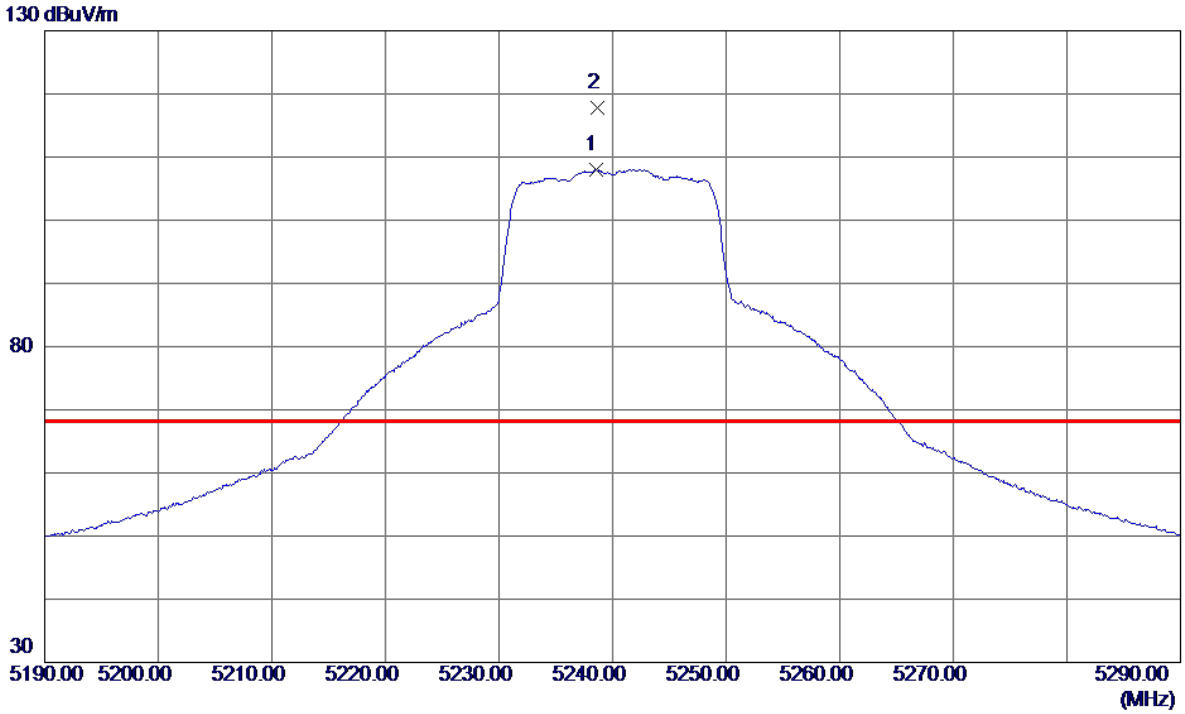
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10398.8250	45.82	10.63	56.45	68.30	-11.85	Peak	

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

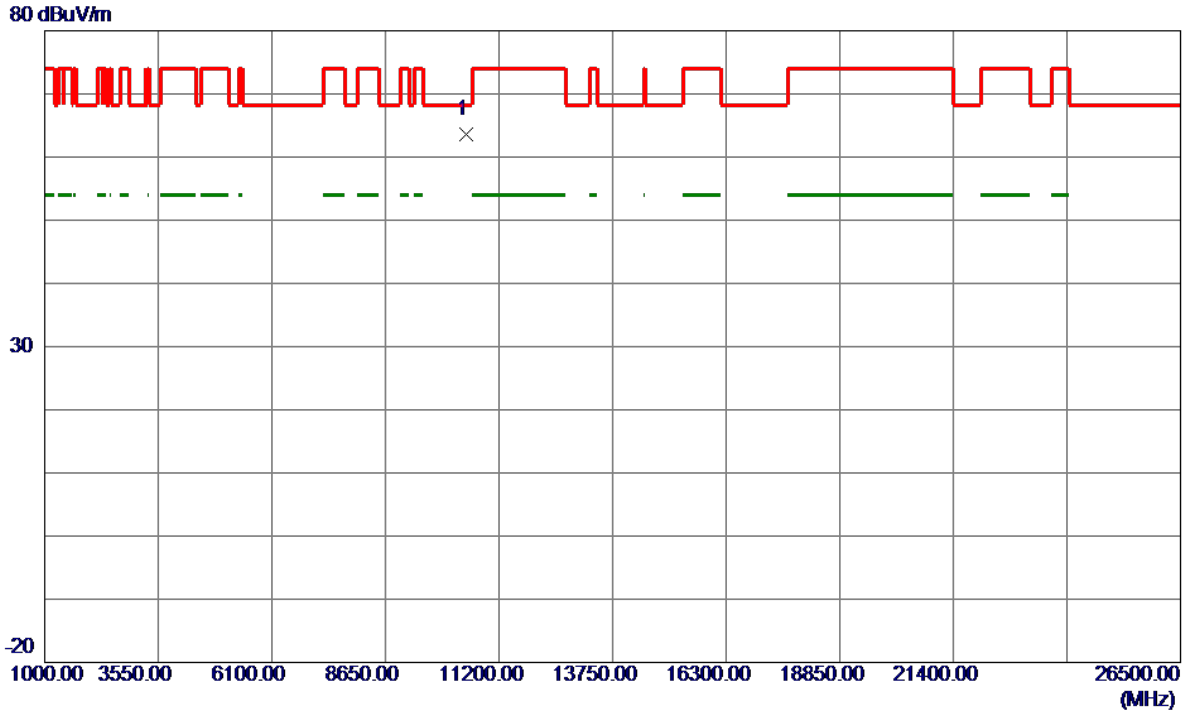
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5238.5000	93.27	14.82	108.09	999.00	-890.91	AVG	No Limit
2 *	5238.7000	103.03	14.82	117.85	68.30	49.55	Peak	No Limit

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

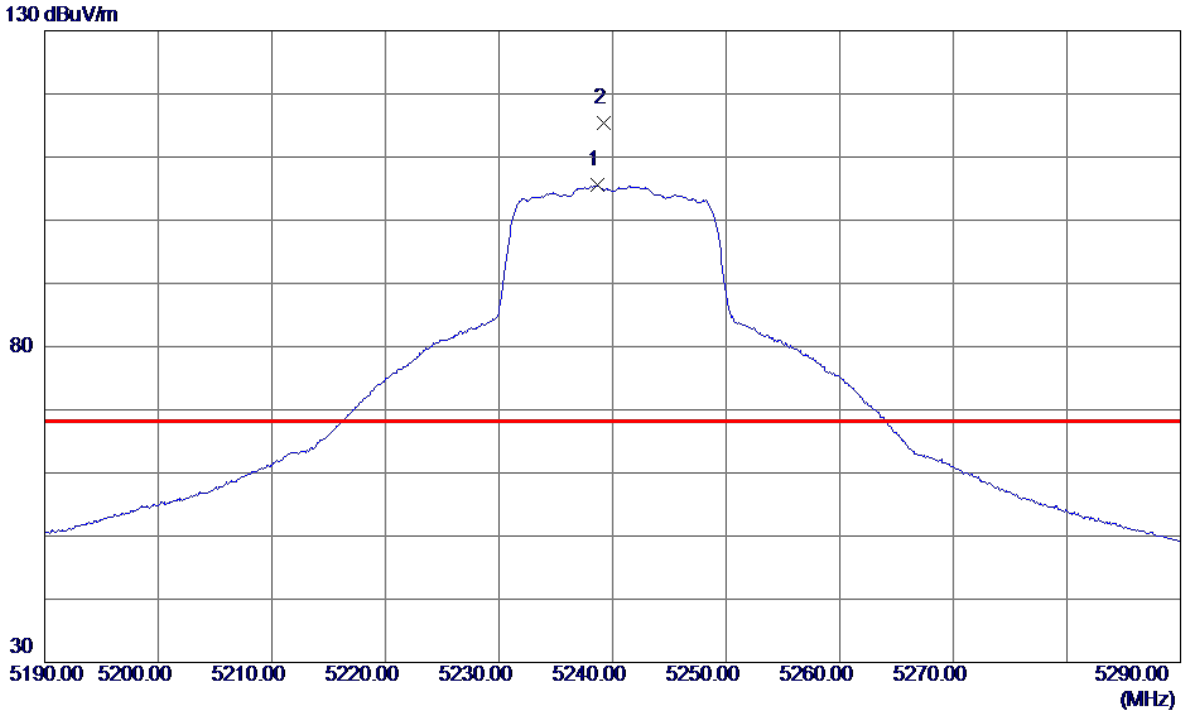
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10475.2000	52.95	10.73	63.68	68.30	-4.62	Peak	

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

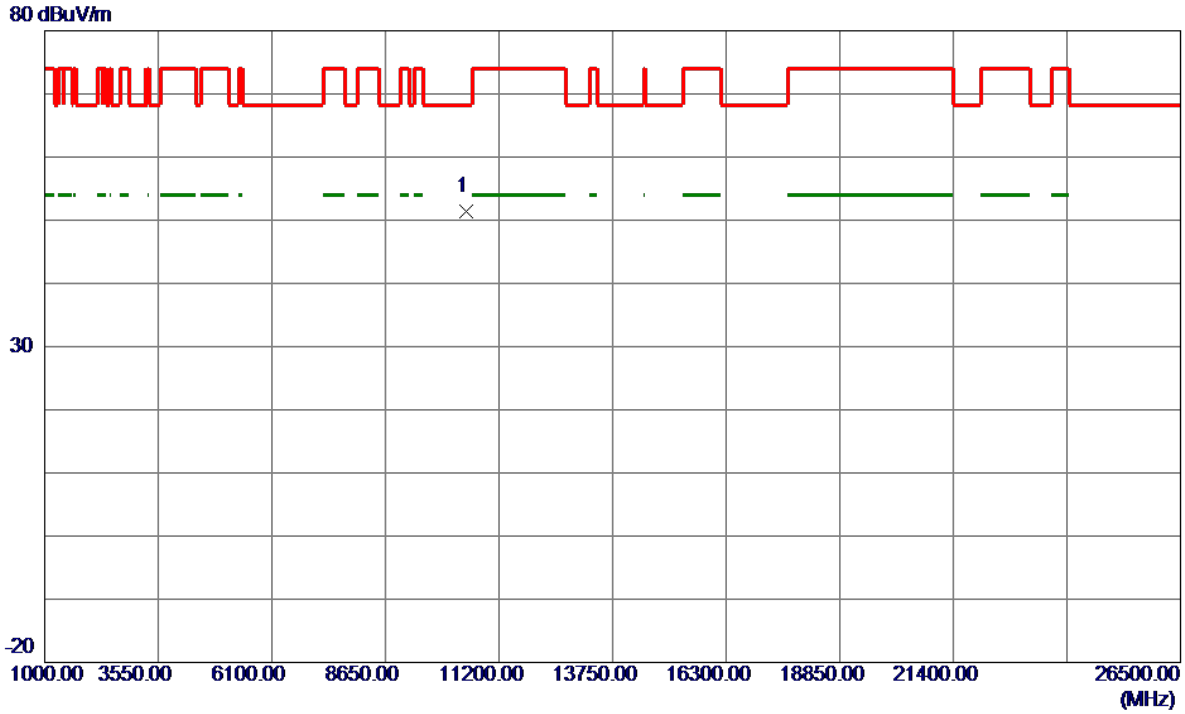
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5238.7000	90.69	14.82	105.51	999.00	-893.49	AVG	No Limit
2 *	5239.2500	100.56	14.82	115.38	68.30	47.08	Peak	No Limit

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

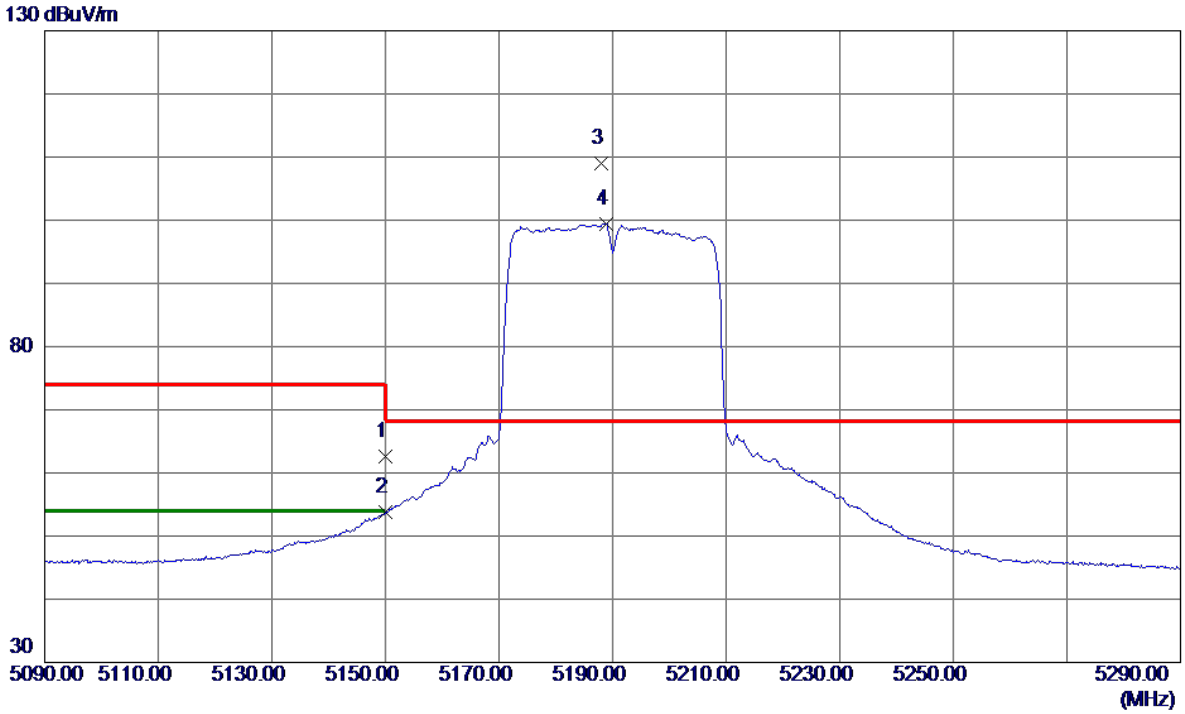
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.6250	40.73	10.71	51.44	68.30	-16.86	Peak	

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

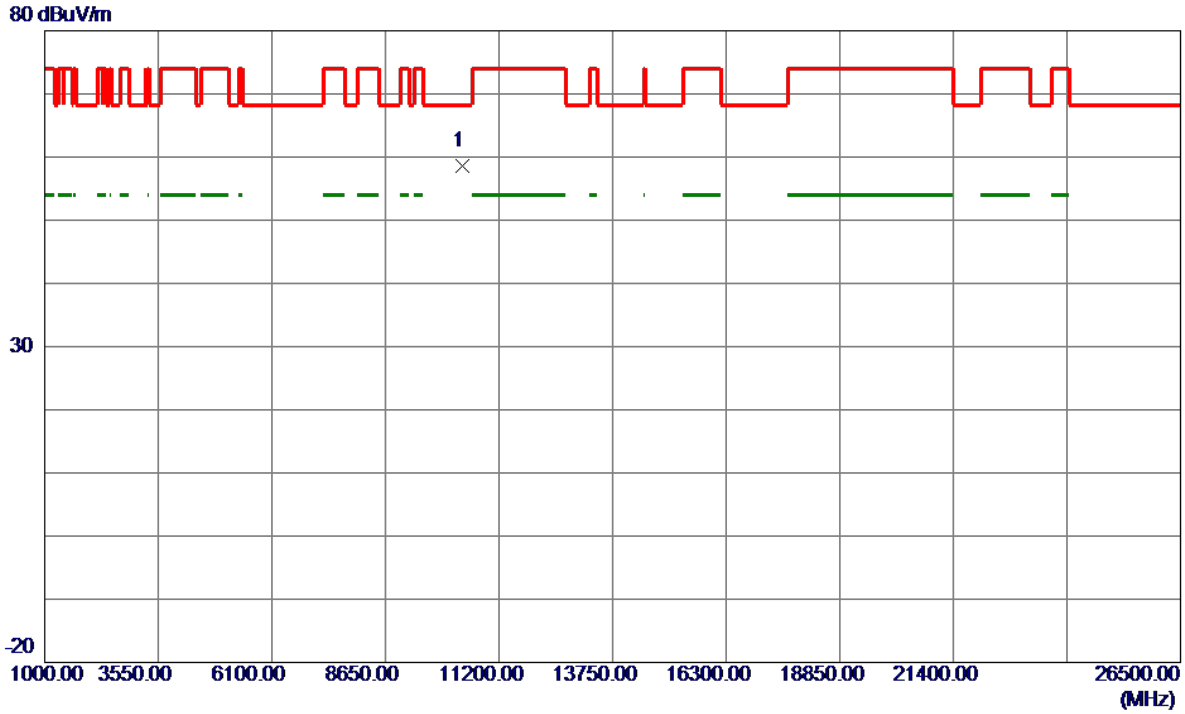
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	47.98	14.70	62.68	74.00	-11.32	Peak	
2	5150.0000	39.02	14.70	53.72	54.00	-0.28	AVG	
3 *	5188.0000	94.27	14.75	109.02	68.30	40.72	Peak	No Limit
4	5188.8000	84.70	14.76	99.46	999.00	-899.54	AVG	No Limit

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

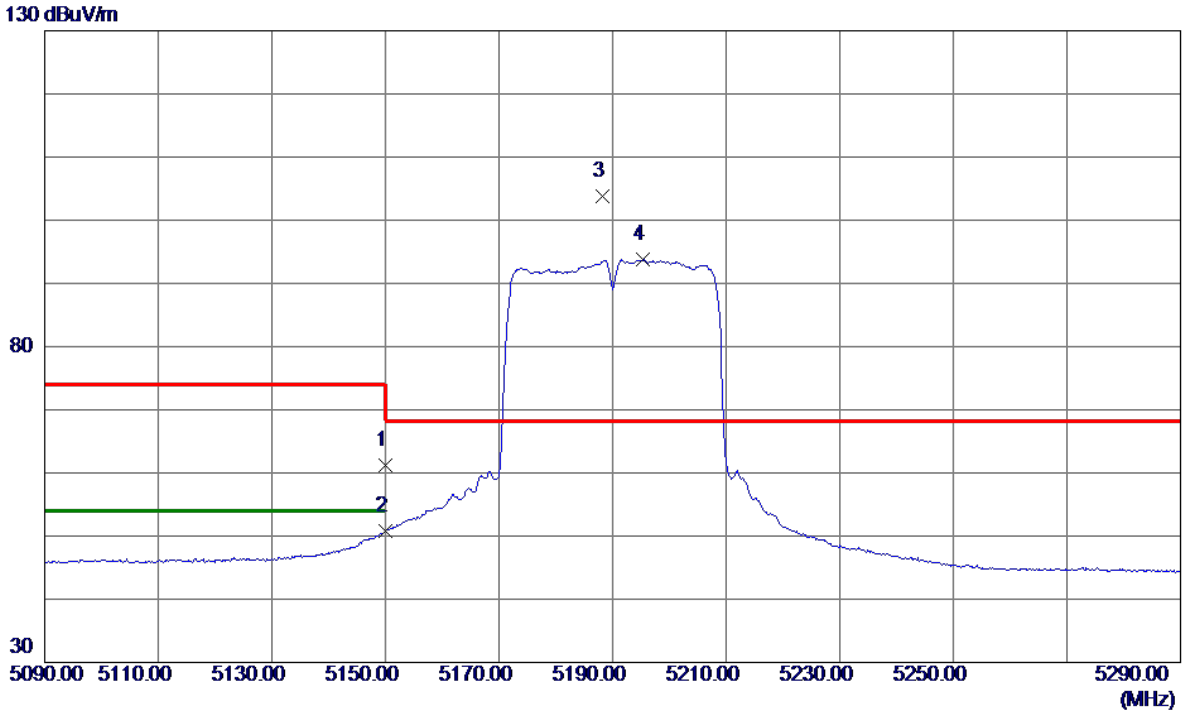
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10381.3500	48.00	10.61	58.61	68.30	-9.69	Peak	

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

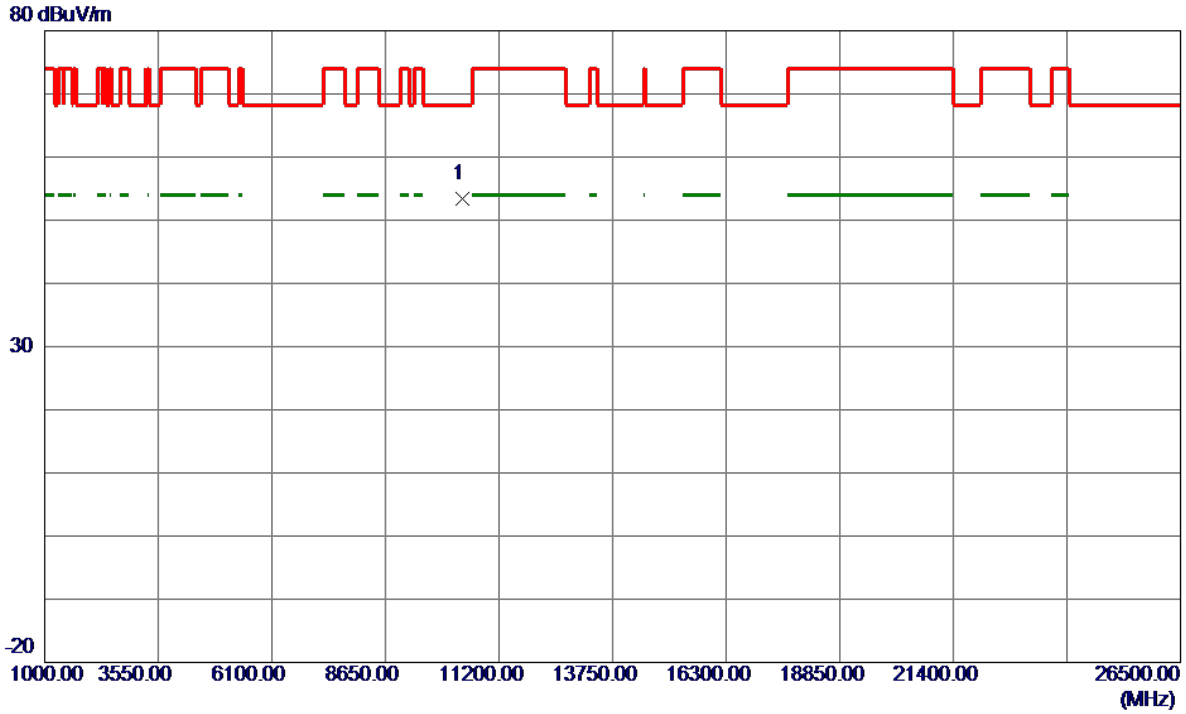
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	46.51	14.70	61.21	74.00	-12.79	Peak	
2	5150.0000	36.09	14.70	50.79	54.00	-3.21	AVG	
3 *	5188.3000	88.98	14.75	103.73	68.30	35.43	Peak	No Limit
4	5195.4000	78.98	14.76	93.74	999.00	-905.26	AVG	No Limit

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

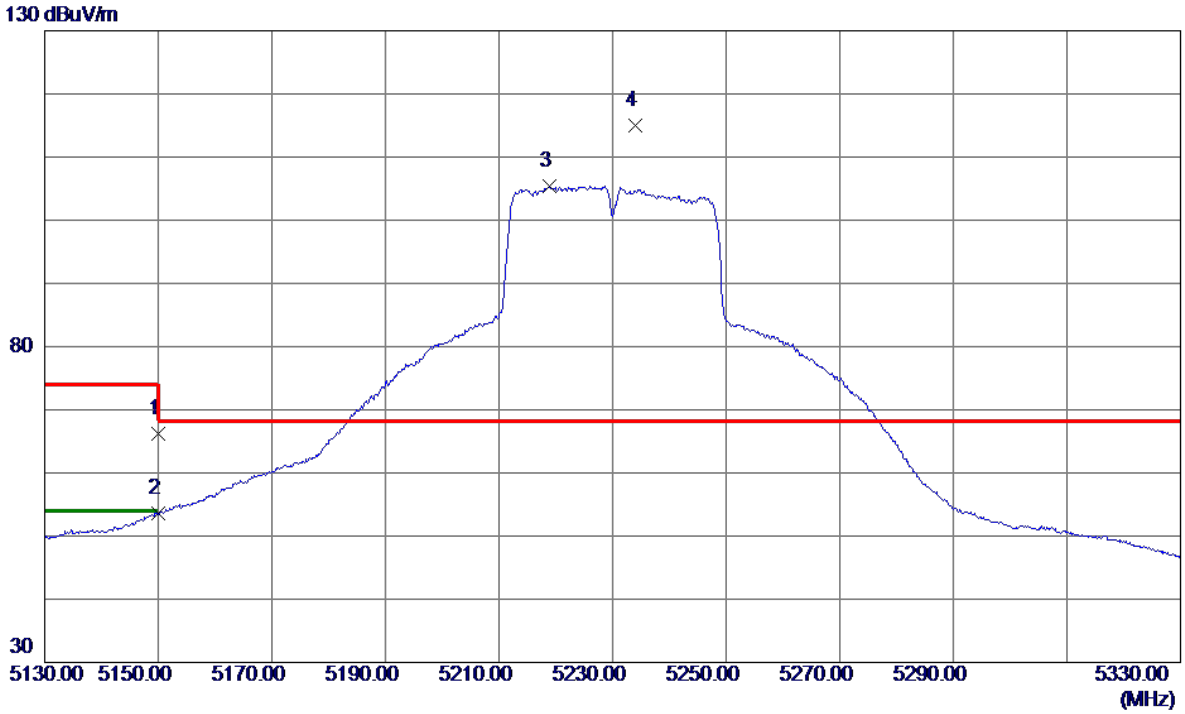
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10381.3500	42.85	10.61	53.46	68.30	-14.84	Peak	

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

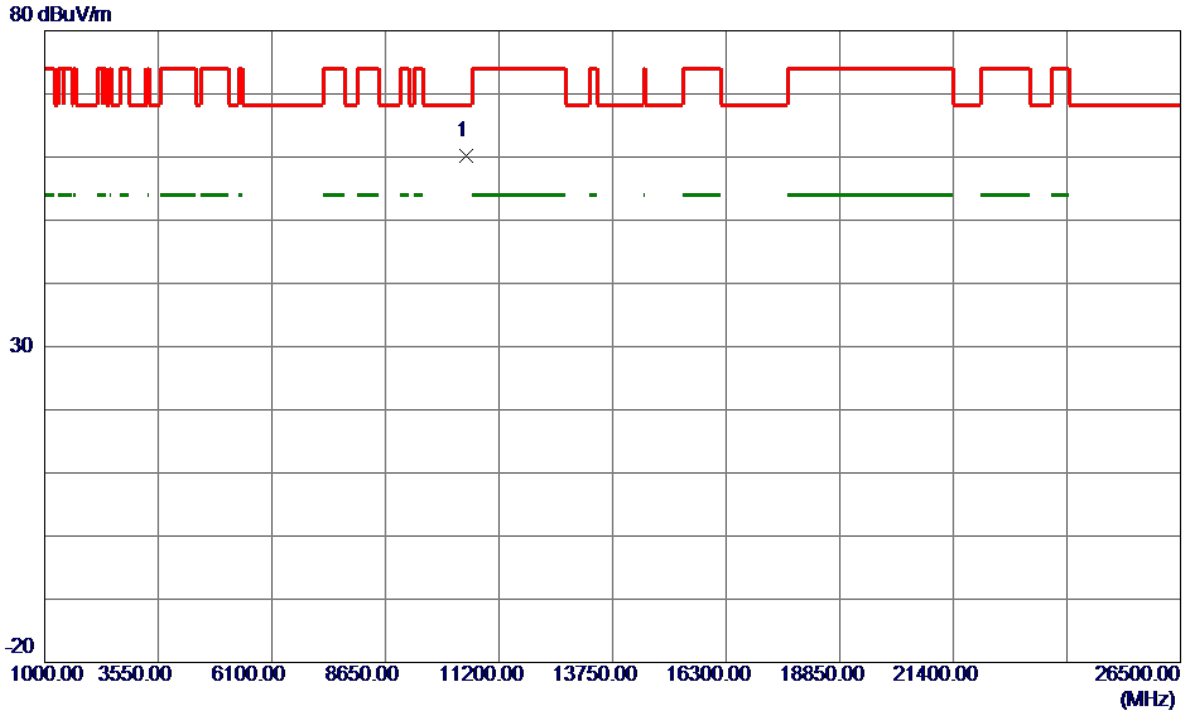
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	51.50	14.70	66.20	74.00	-7.80	Peak	
2	5150.0000	38.93	14.70	53.63	54.00	-0.37	AVG	
3	5218.9000	90.64	14.79	105.43	999.00	-893.57	AVG	No Limit
4 *	5233.9000	100.13	14.81	114.94	68.30	46.64	Peak	No Limit

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

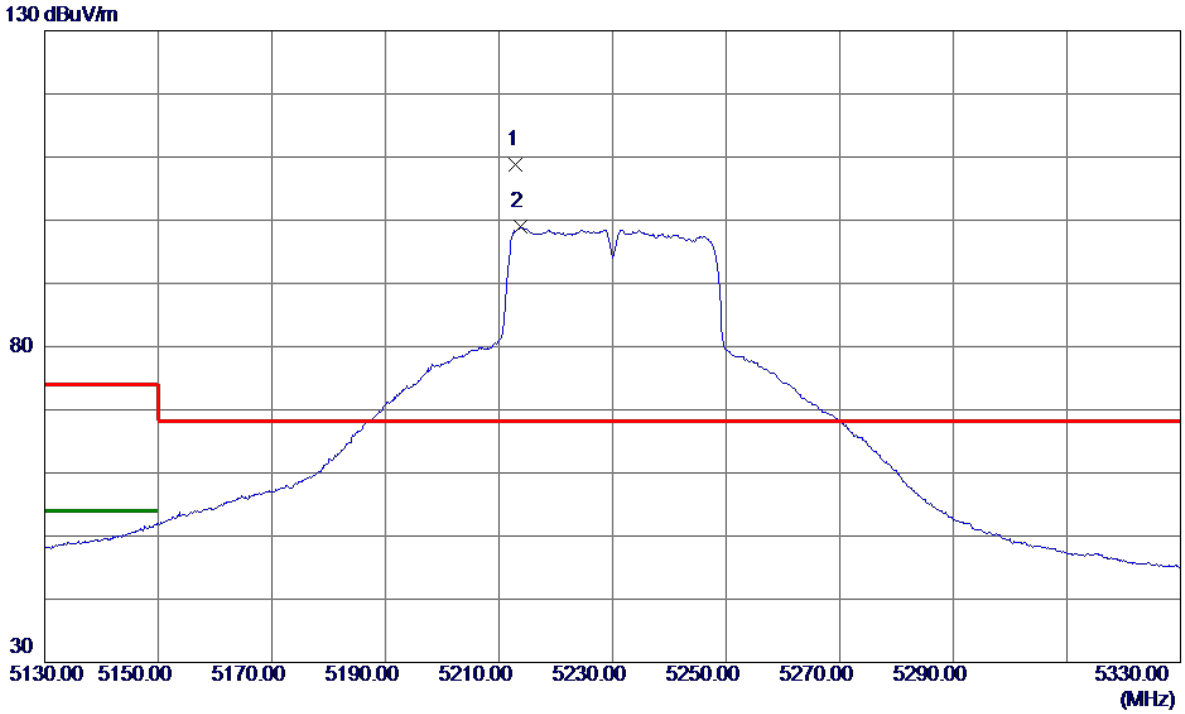
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10457.1000	49.46	10.70	60.16	68.30	-8.14	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 *	5213.0000	93.93	14.79	108.72	68.30	40.42	Peak	No Limit
2	5213.8000	84.18	14.79	98.97	999.00	-900.03	AVG	No Limit

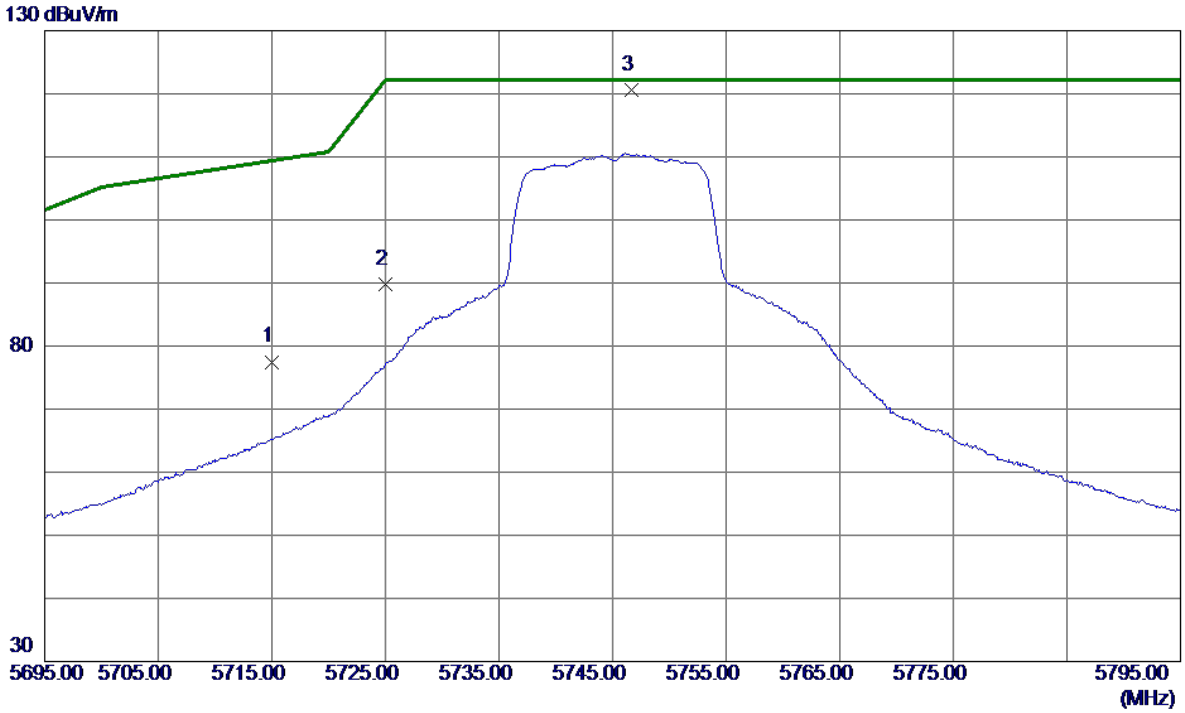
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5230MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10448.1500	41.16	10.69	51.85	68.30	-16.45	Peak	

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

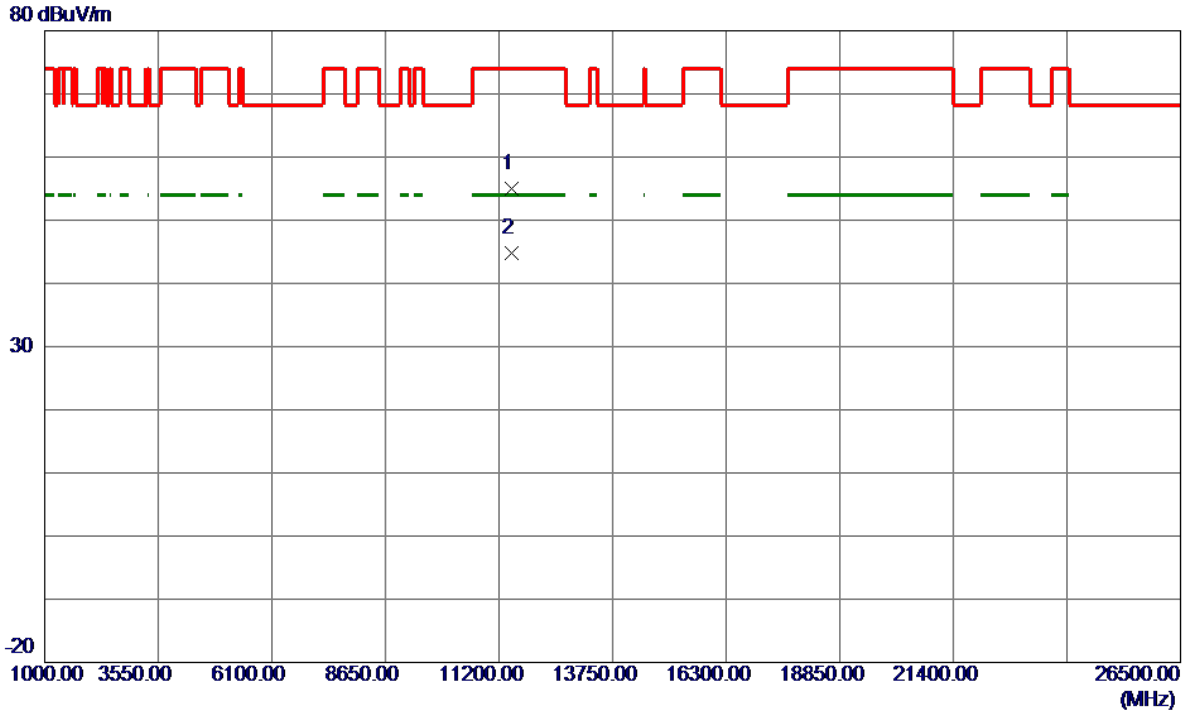
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	62.03	15.47	77.50	109.40	-31.90	Peak	
2	5725.0000	74.28	15.48	89.76	122.20	-32.44	Peak	
3 *	5746.7000	105.09	15.51	120.60	122.20	-1.60	Peak	No Limit

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

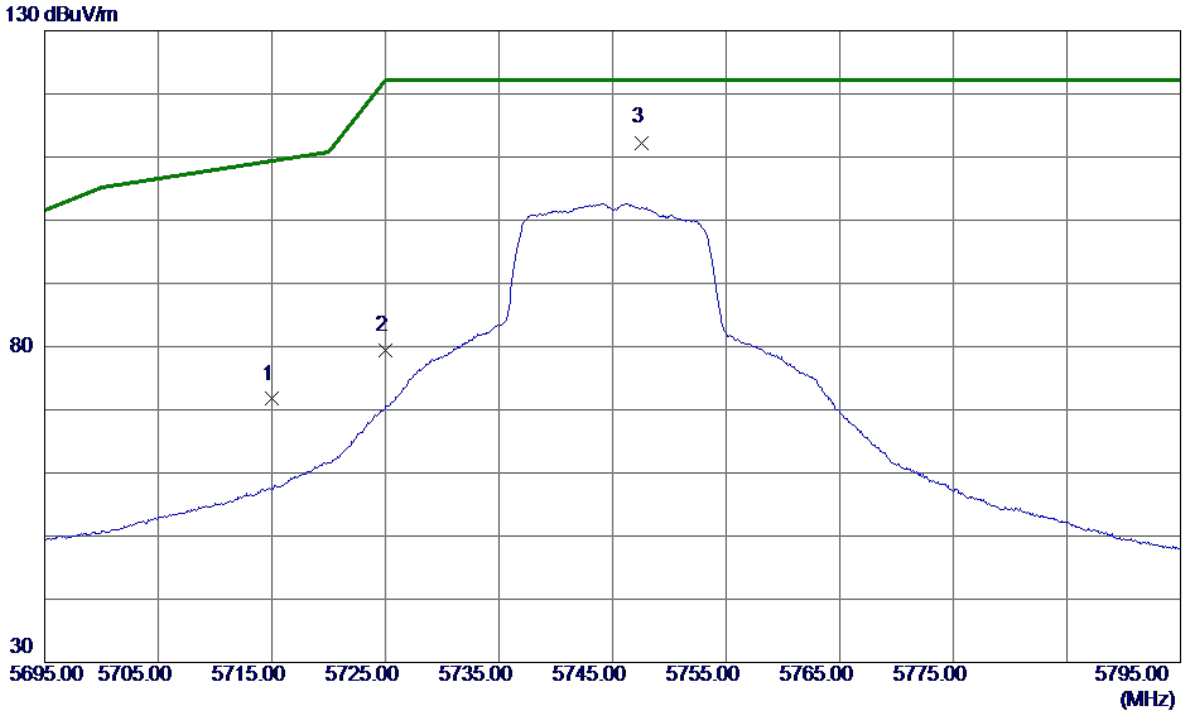
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11488.5500	43.37	11.66	55.03	74.00	-18.97	Peak	
2 *	11490.1500	33.17	11.67	44.84	54.00	-9.16	AVG	

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

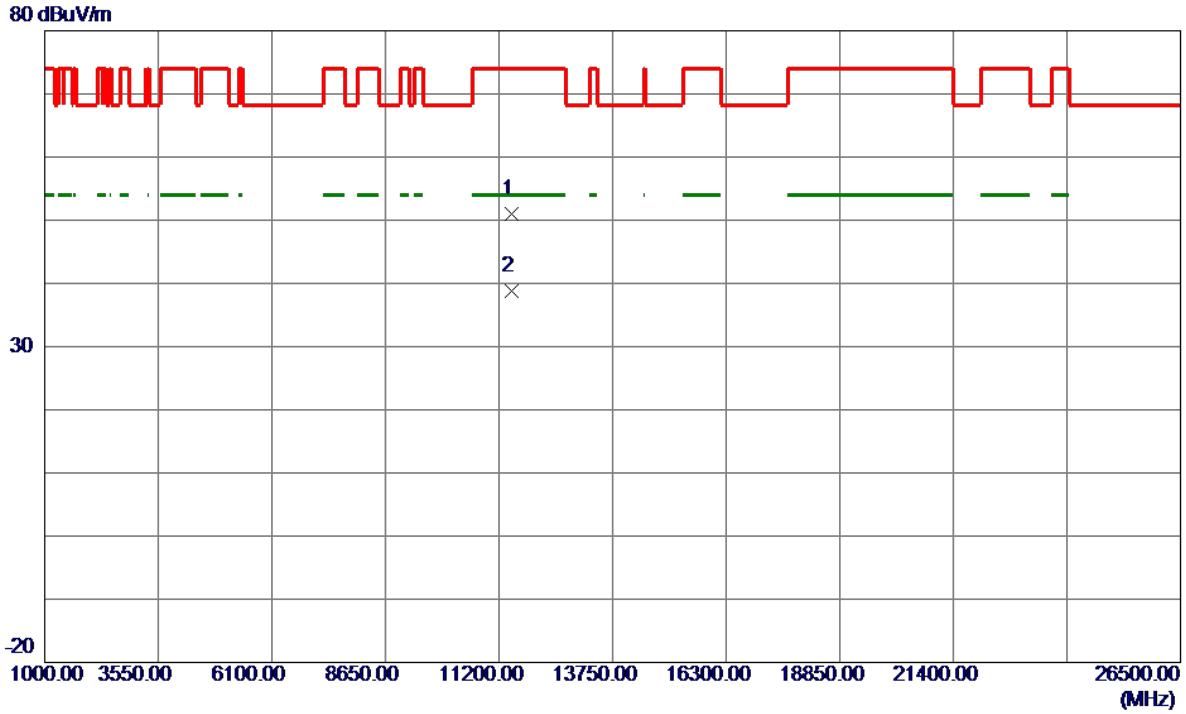
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	56.23	15.47	71.70	109.40	-37.70	Peak	
2	5725.0000	63.84	15.48	79.32	122.20	-42.88	Peak	
3 *	5747.6000	96.79	15.51	112.30	122.20	-9.90	Peak	No Limit

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

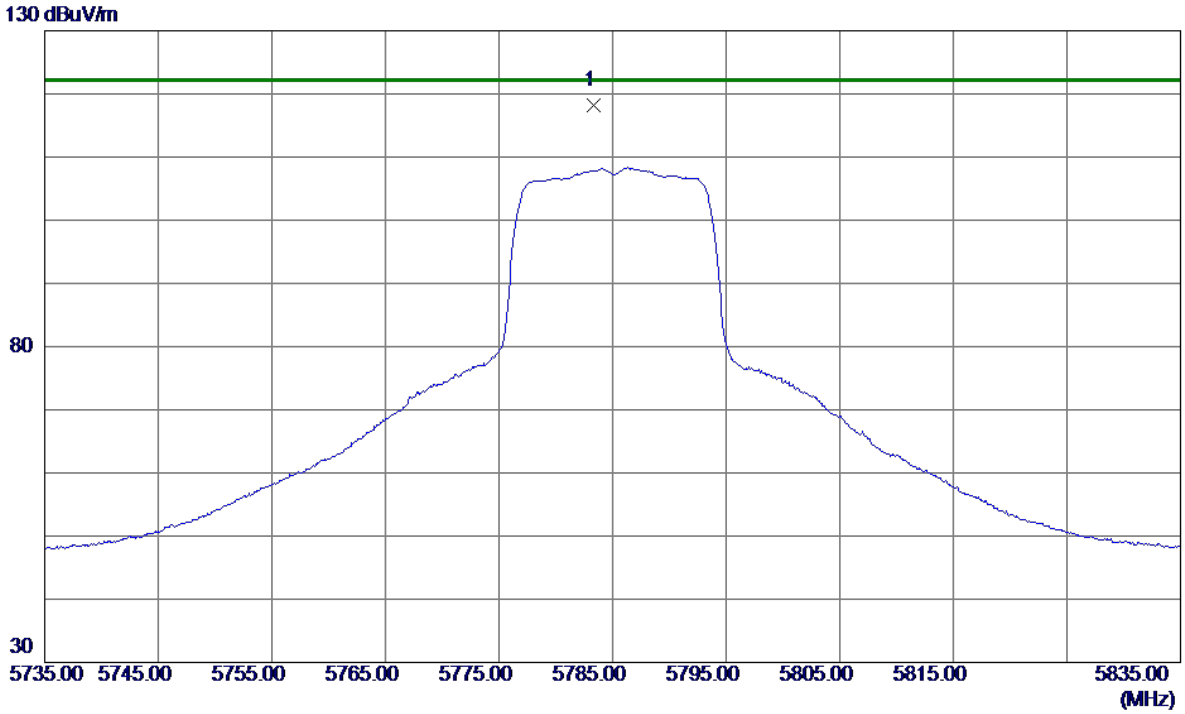
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11488.1500	39.25	11.66	50.91	74.00	-23.09	Peak	
2 *	11492.4500	27.15	11.67	38.82	54.00	-15.18	AVG	

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

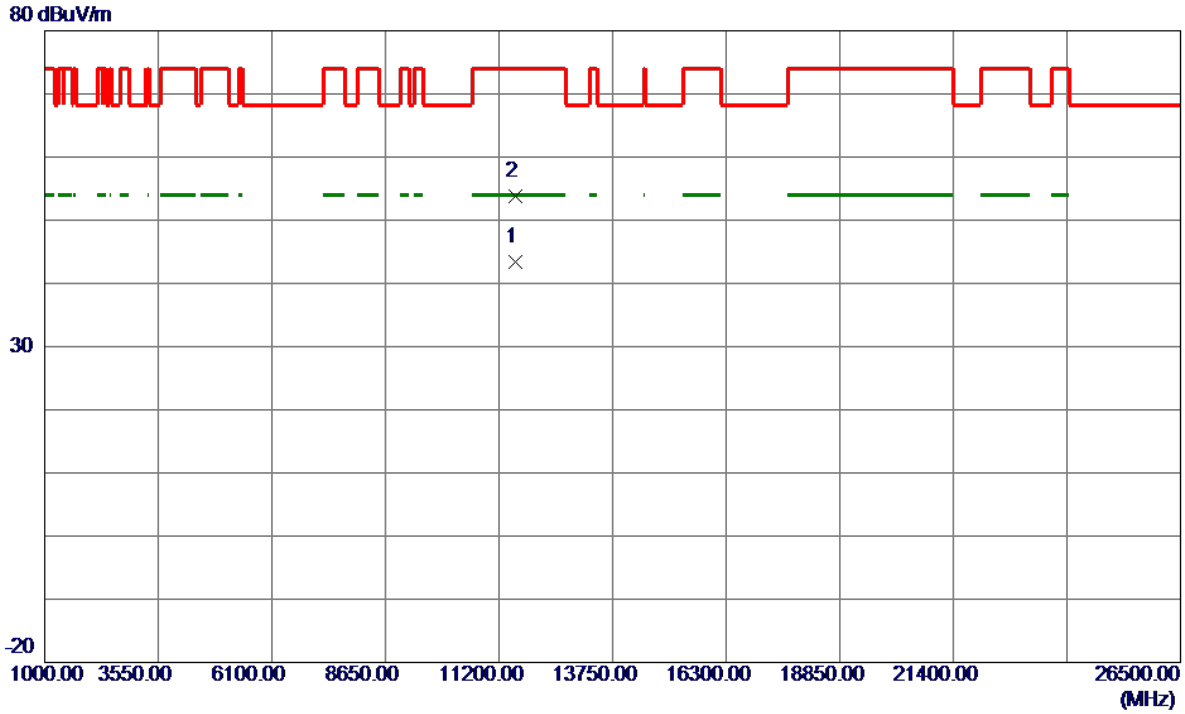
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5783.3000	102.59	15.56	118.15	122.20	-4.05	Peak	No Limit

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

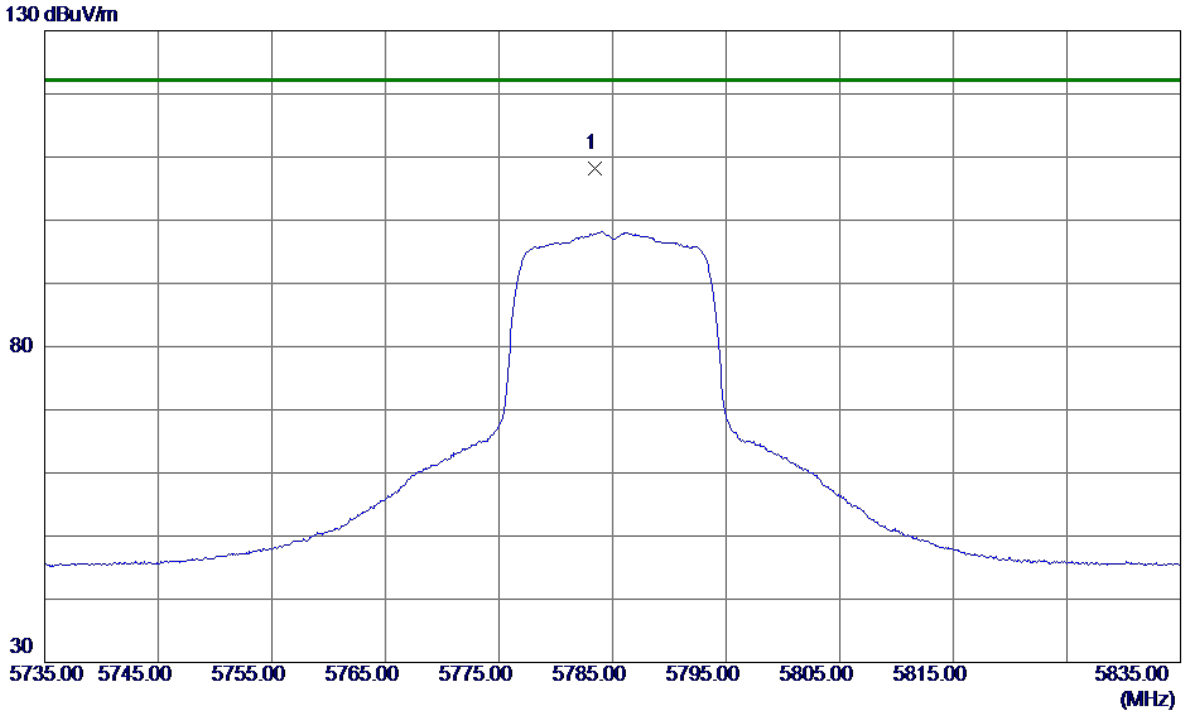
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11568.3250	31.57	11.76	43.33	54.00	-10.67	AVG	
2	11571.8750	41.97	11.77	53.74	74.00	-20.26	Peak	

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

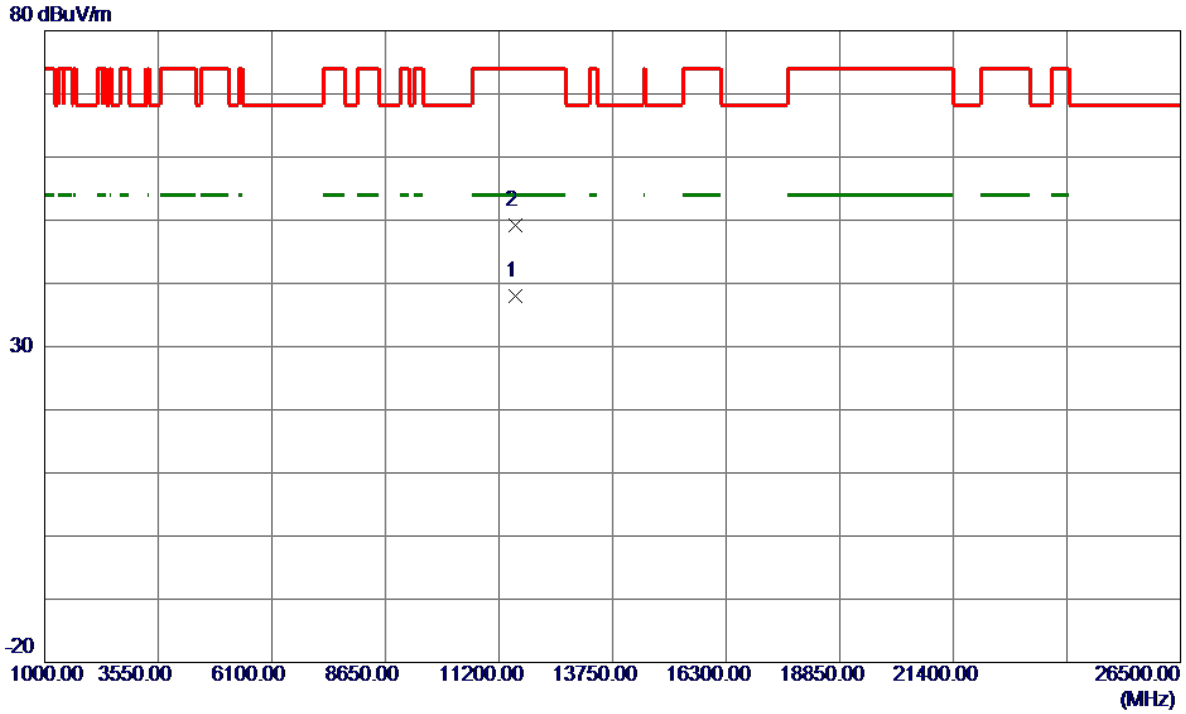
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5783.4000	92.56	15.56	108.12	122.20	-14.08	Peak	No Limit

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

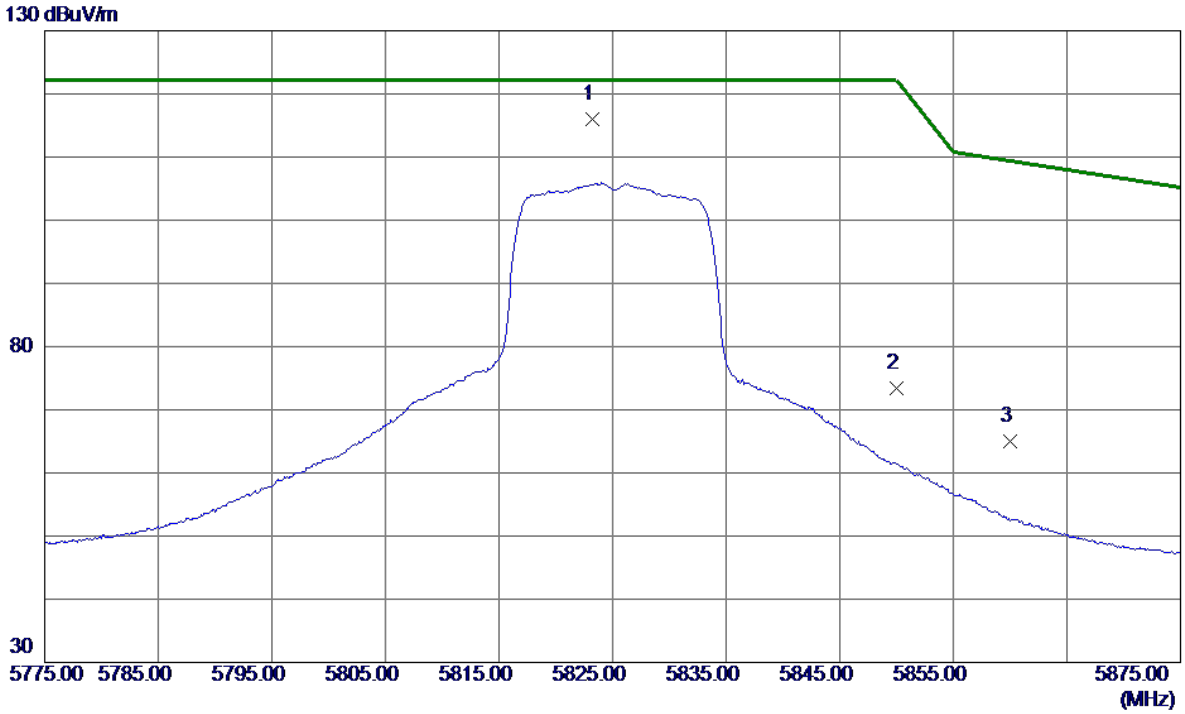
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11567.9500	26.20	11.76	37.96	54.00	-16.04	AVG	
2	11574.6000	37.45	11.77	49.22	74.00	-24.78	Peak	

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

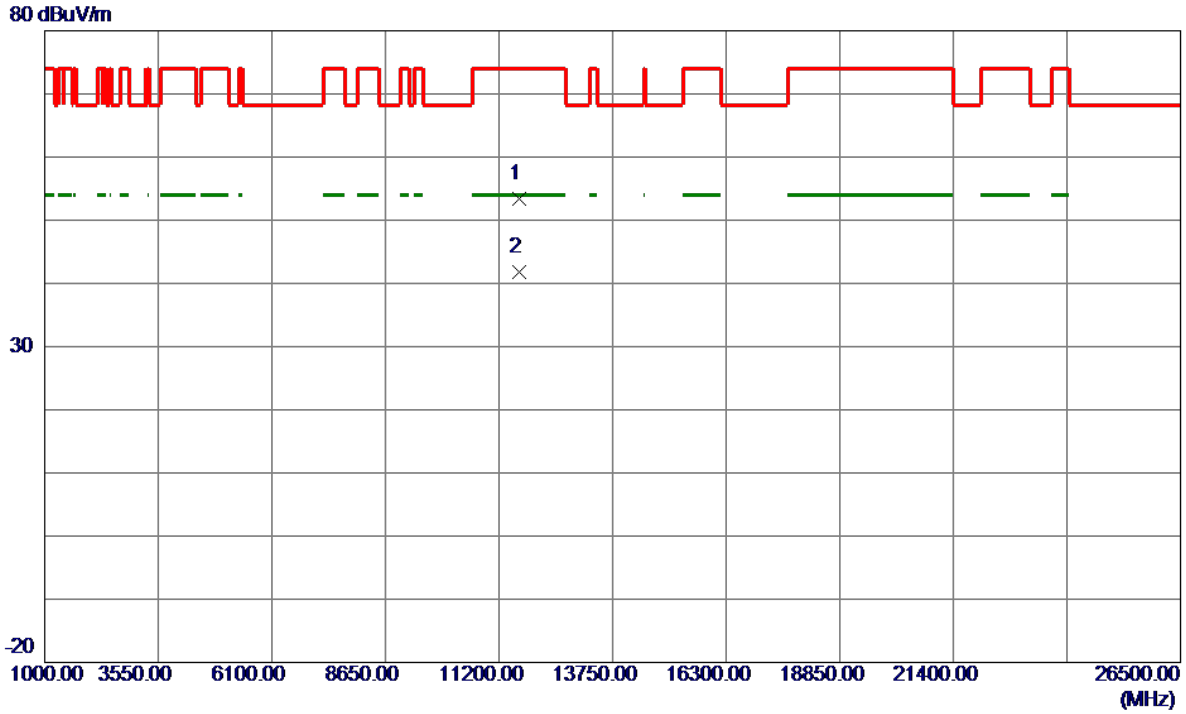
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5823.2000	100.37	15.62	115.99	122.20	-6.21	Peak	No Limit
2	5850.0000	57.66	15.66	73.32	122.20	-48.88	Peak	
3	5860.0000	49.41	15.67	65.08	109.40	-44.32	Peak	

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

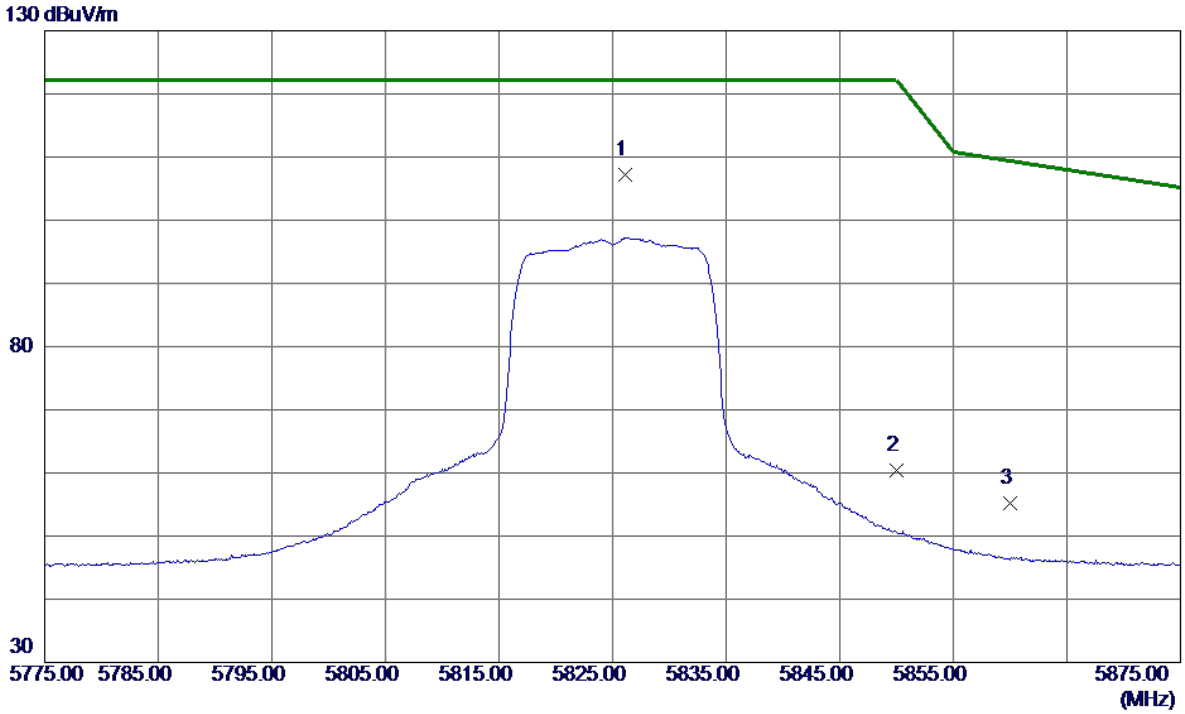
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11643.4750	41.58	11.85	53.43	74.00	-20.57	Peak	
2 *	11648.4250	29.90	11.86	41.76	54.00	-12.24	AVG	

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

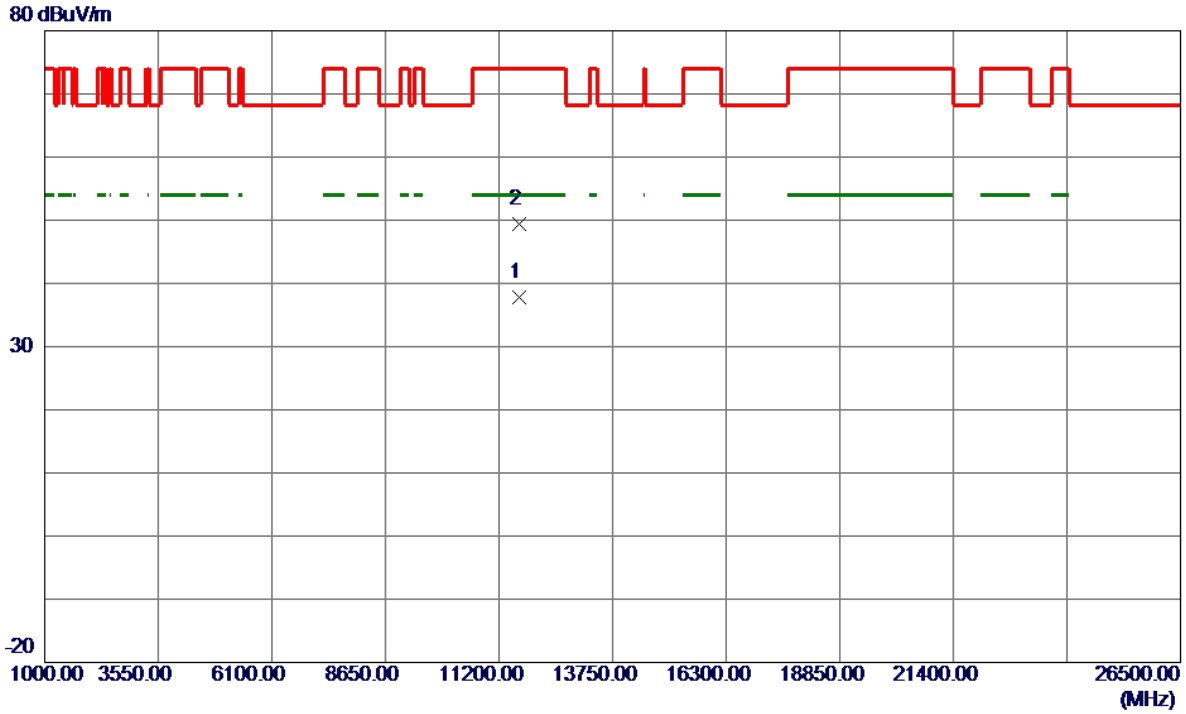
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5826.1500	91.67	15.62	107.29	122.20	-14.91	Peak	No Limit
2	5850.0000	44.80	15.66	60.46	122.20	-61.74	Peak	
3	5860.0000	39.56	15.67	55.23	109.40	-54.17	Peak	

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

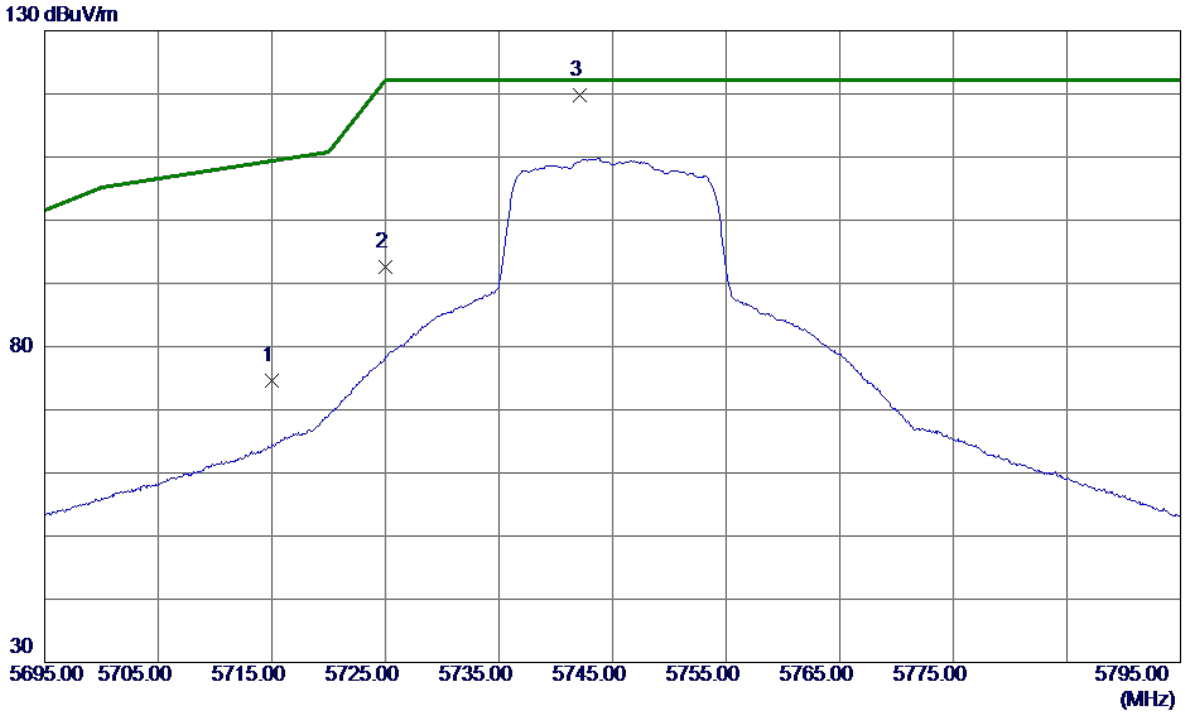
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11649.5500	25.88	11.86	37.74	54.00	-16.26	AVG	
2	11651.5250	37.63	11.86	49.49	74.00	-24.51	Peak	

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

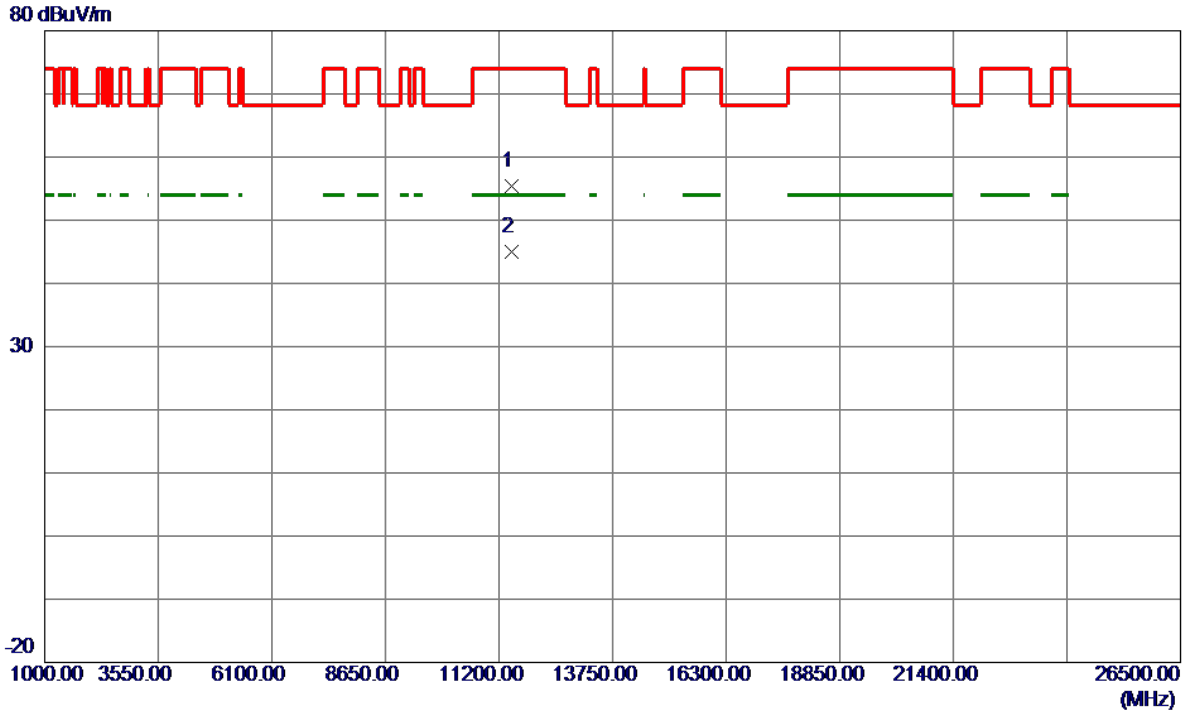
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	59.17	15.47	74.64	109.40	-34.76	Peak	
2	5725.0000	77.12	15.48	92.60	122.20	-29.60	Peak	
3 *	5742.1500	104.37	15.50	119.87	122.20	-2.33	Peak	No Limit

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

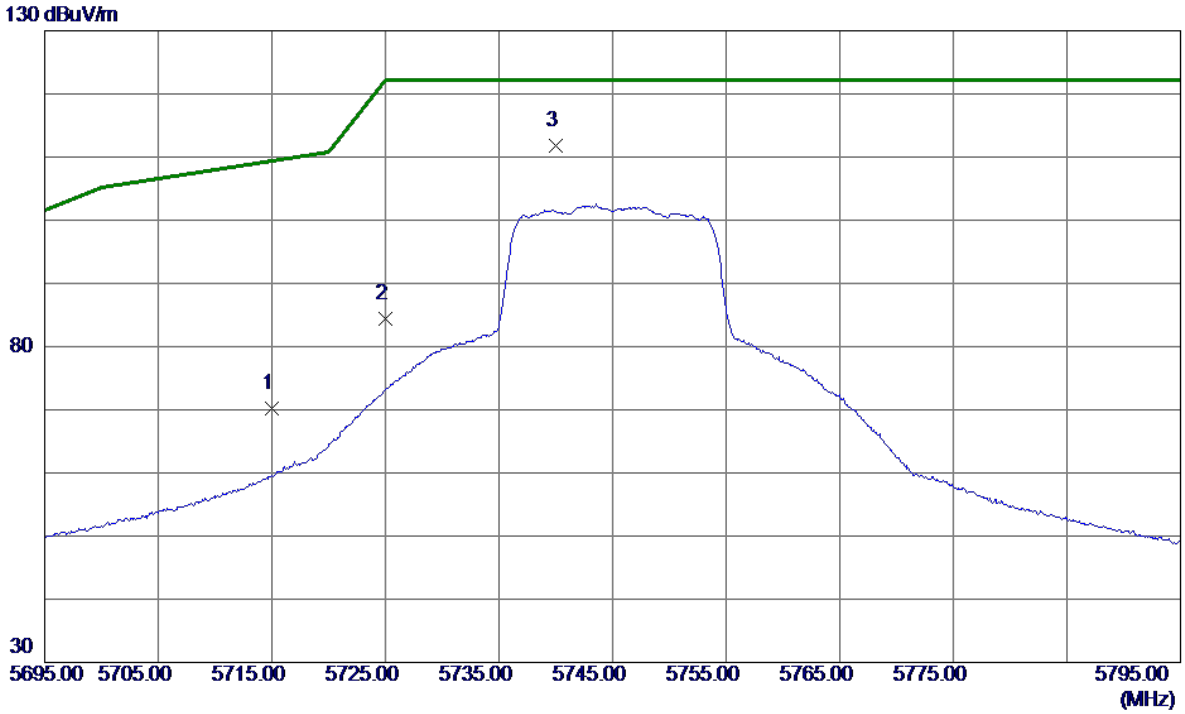
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11481.6000	43.74	11.65	55.39	74.00	-18.61	Peak	
2 *	11484.9750	33.32	11.66	44.98	54.00	-9.02	AVG	

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

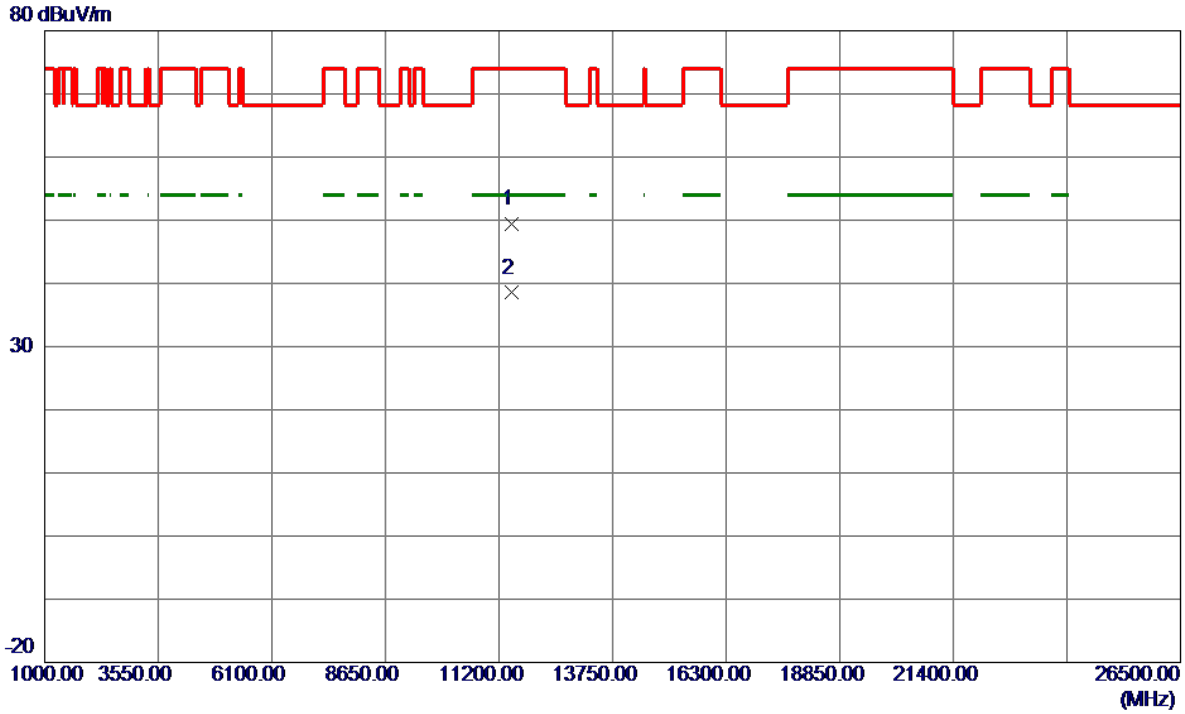
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	54.73	15.47	70.20	109.40	-39.20	Peak	
2	5725.0000	68.83	15.48	84.31	122.20	-37.89	Peak	
3 *	5739.9500	96.26	15.50	111.76	122.20	-10.44	Peak	No Limit

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

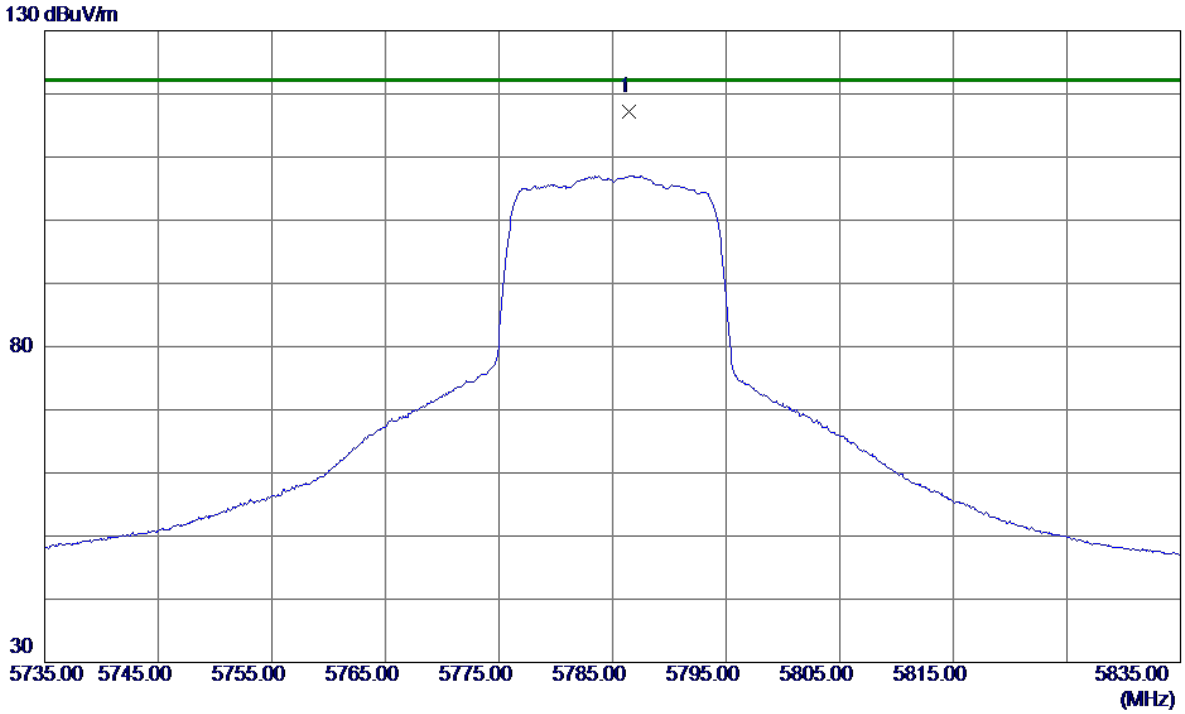
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11481.4500	37.73	11.65	49.38	74.00	-24.62	Peak	
2 *	11491.2500	26.83	11.67	38.50	54.00	-15.50	AVG	

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

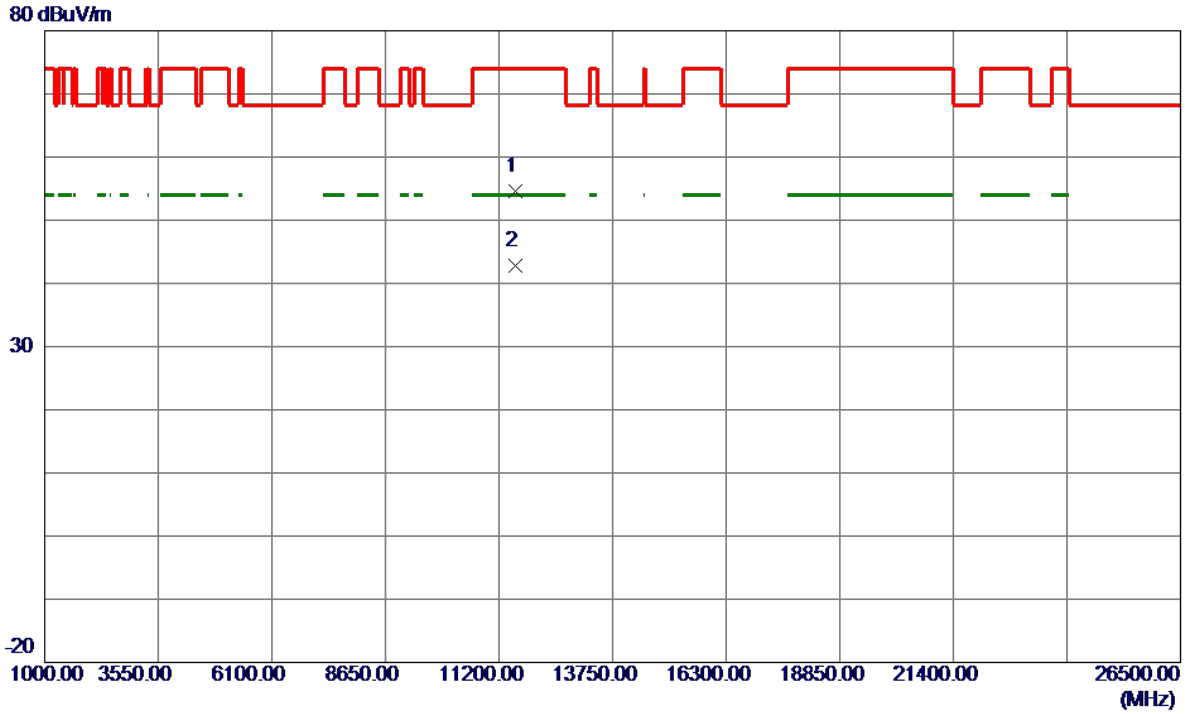
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5786.4000	101.71	15.57	117.28	122.20	-4.92	Peak	No Limit

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

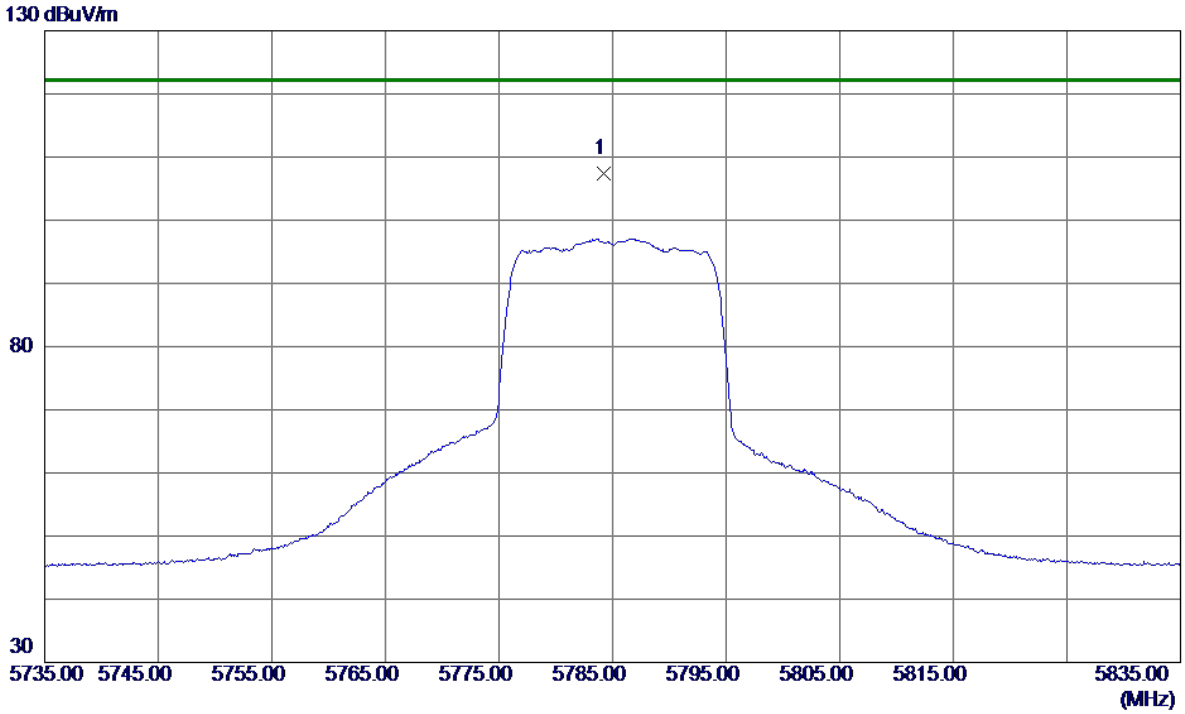
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11560.9750	42.80	11.75	54.55	74.00	-19.45	Peak	
2 *	11568.7750	30.99	11.76	42.75	54.00	-11.25	AVG	

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

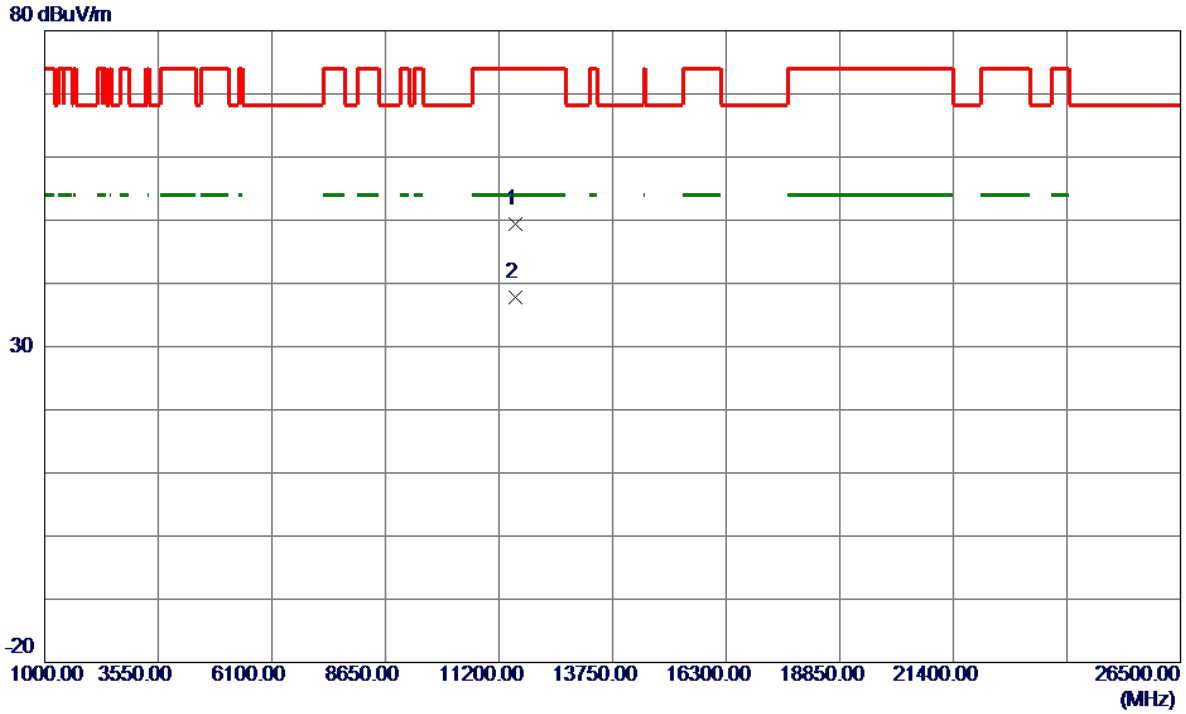
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5784.2000	91.82	15.56	107.38	122.20	-14.82	Peak	No Limit

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

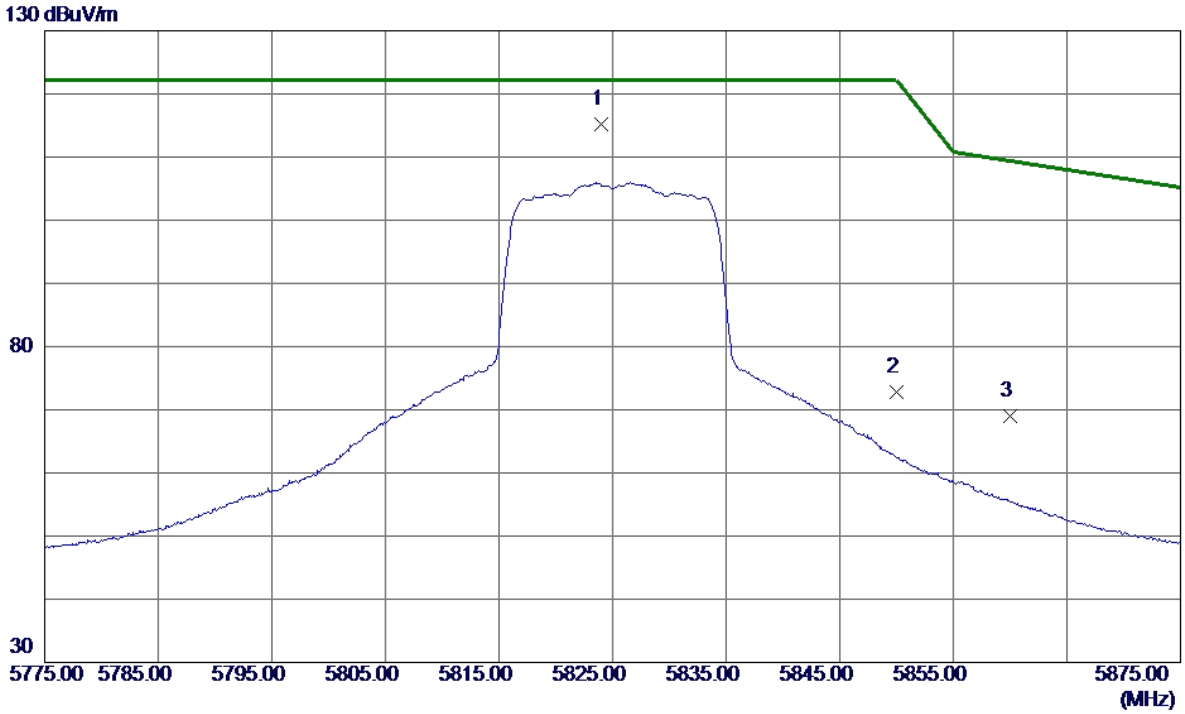
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11565.6000	37.57	11.76	49.33	74.00	-24.67	Peak	
2 *	11569.5750	26.08	11.76	37.84	54.00	-16.16	AVG	

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

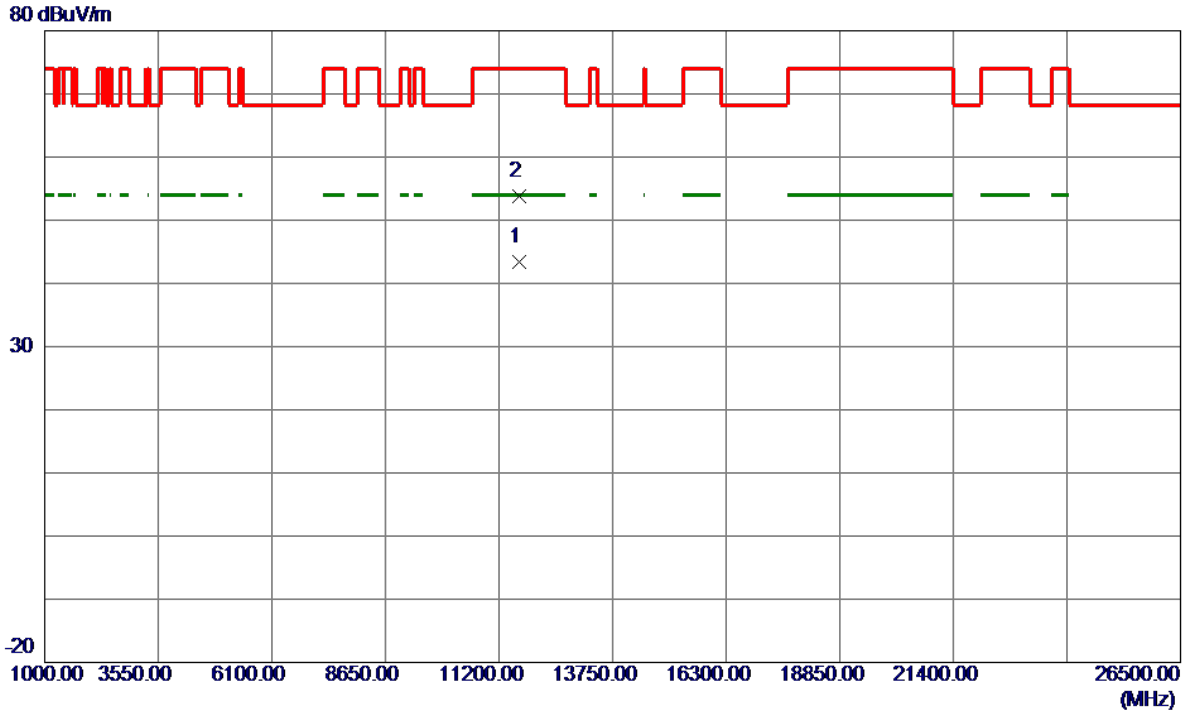
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5824.0500	99.67	15.62	115.29	122.20	-6.91	Peak	No Limit
2	5850.0000	57.15	15.66	72.81	122.20	-49.39	Peak	
3	5860.0000	53.38	15.67	69.05	109.40	-40.35	Peak	

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

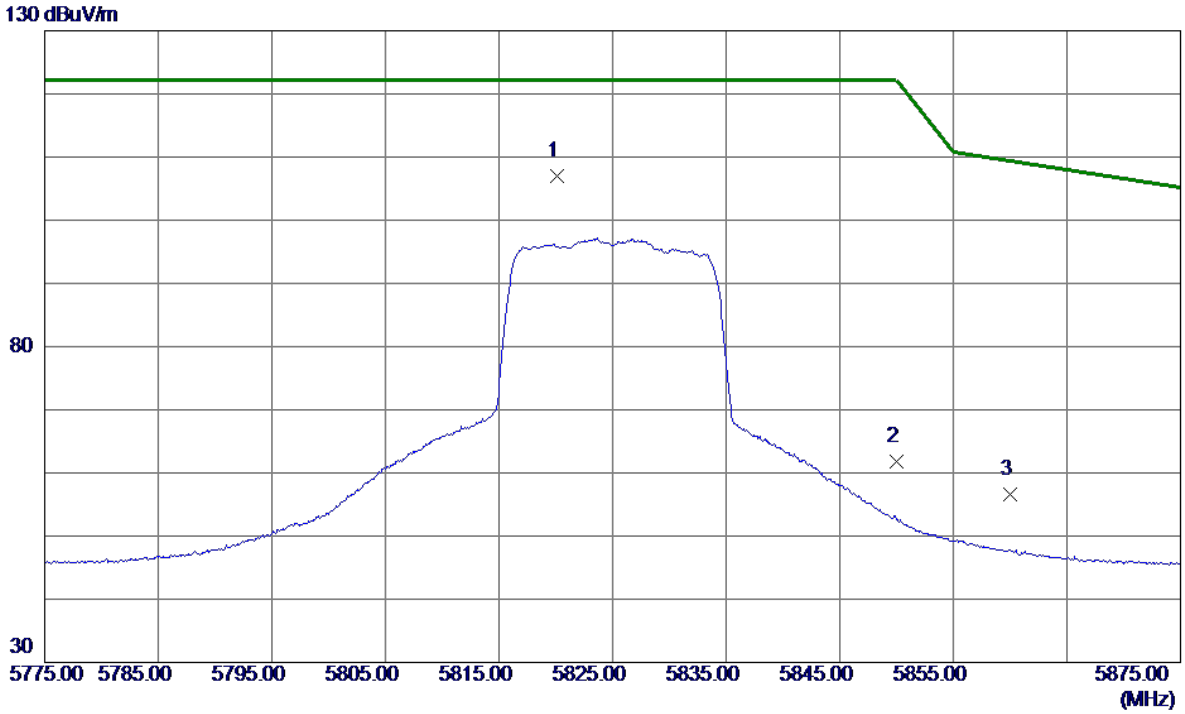
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11648.6500	31.58	11.86	43.44	54.00	-10.56	AVG	
2	11649.2750	41.98	11.86	53.84	74.00	-20.16	Peak	

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

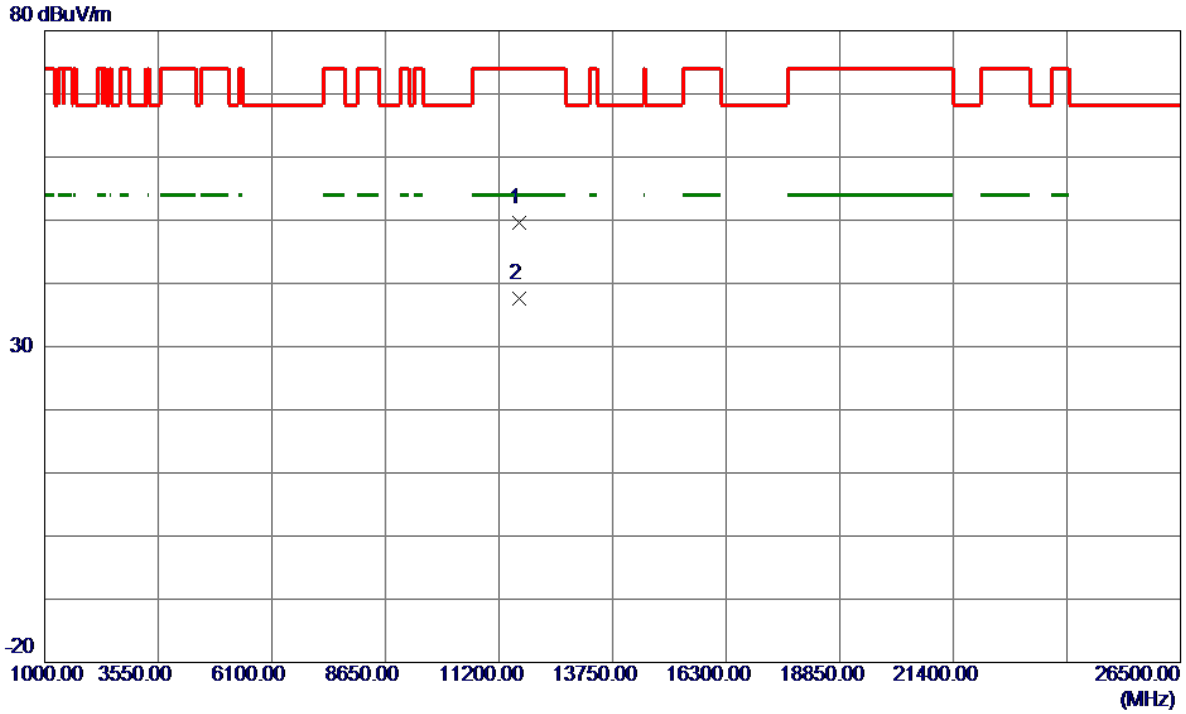
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5820.1000	91.32	15.61	106.93	122.20	-15.27	Peak	No Limit
2	5850.0000	46.17	15.66	61.83	122.20	-60.37	Peak	
3	5860.0000	40.88	15.67	56.55	109.40	-52.85	Peak	

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

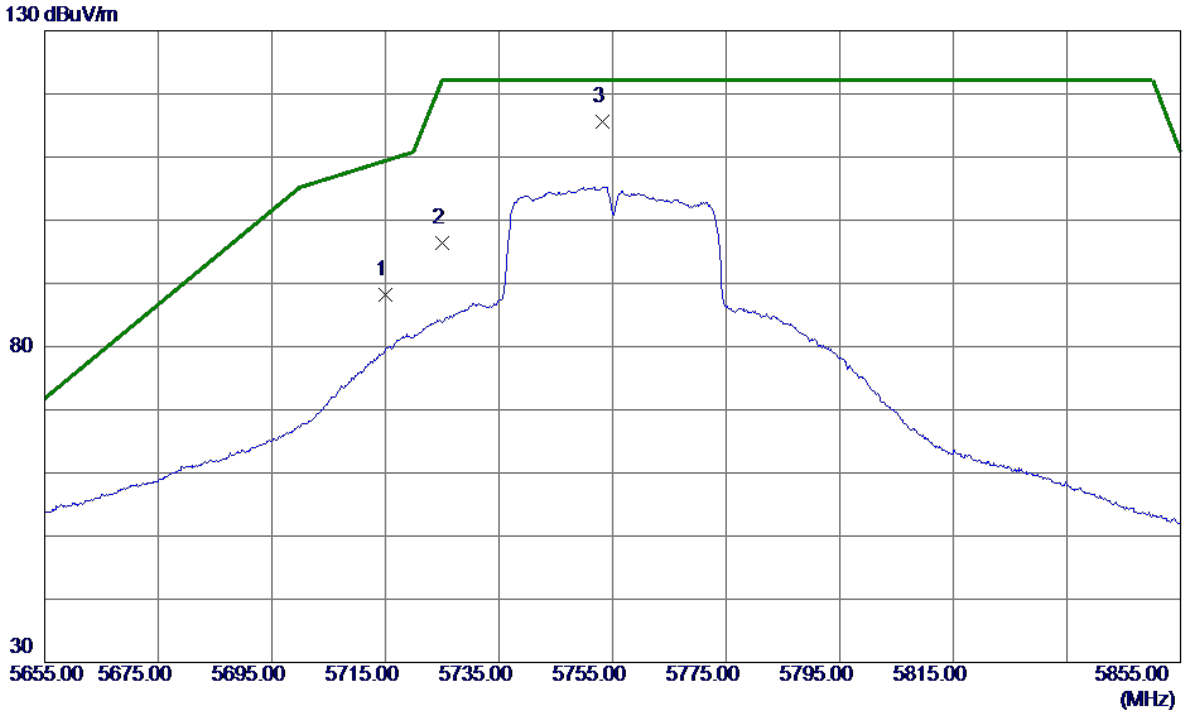
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11645.5750	37.84	11.85	49.69	74.00	-24.31	Peak	
2 *	11647.3000	25.69	11.86	37.55	54.00	-16.45	AVG	

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

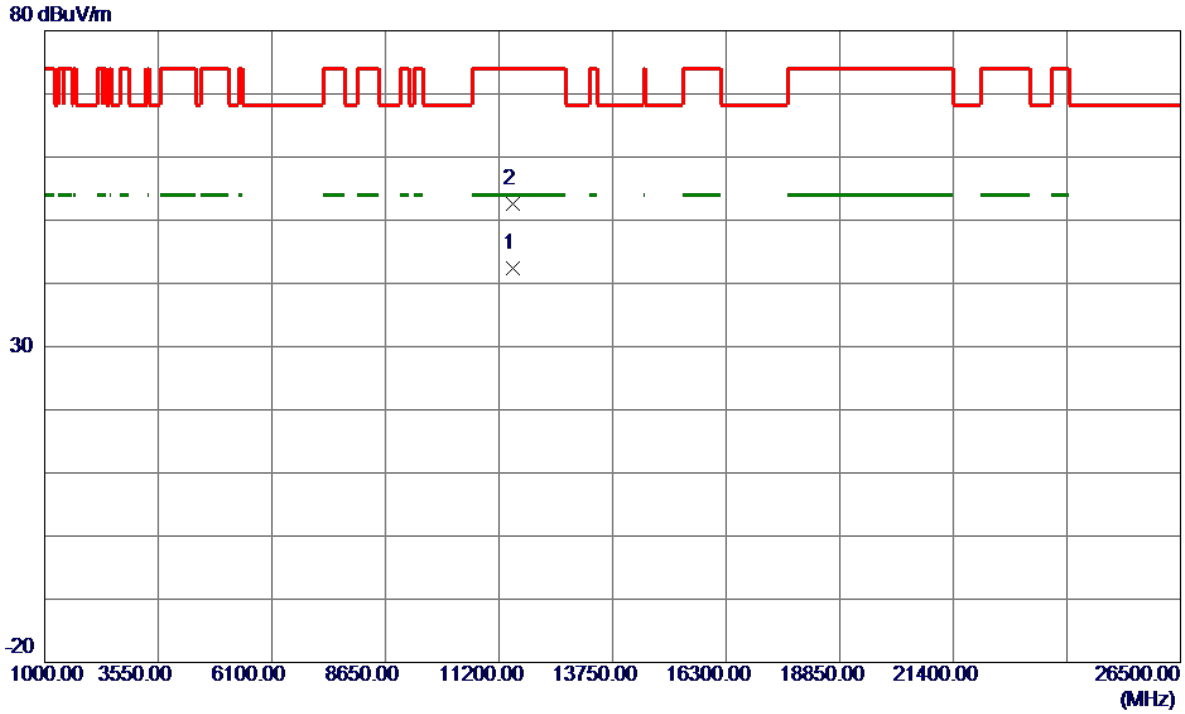
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	72.77	15.47	88.24	109.40	-21.16	Peak	
2	5725.0000	80.94	15.48	96.42	122.20	-25.78	Peak	
3 *	5753.3000	100.12	15.52	115.64	122.20	-6.56	Peak	No Limit

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

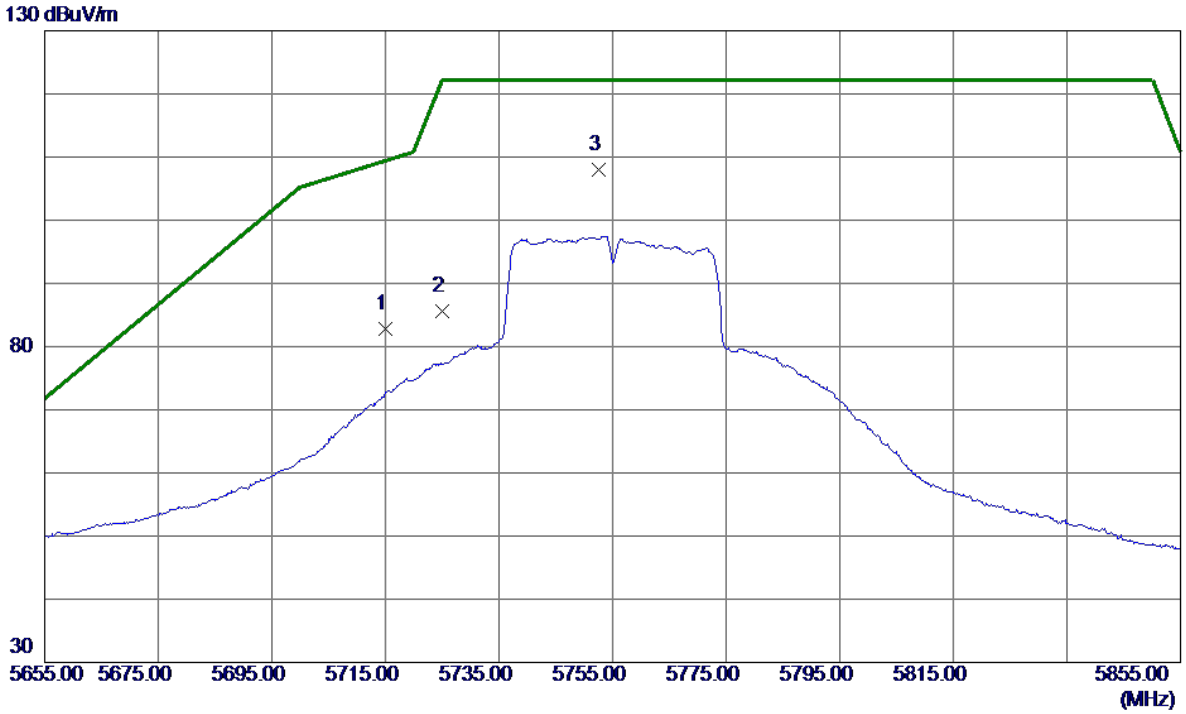
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11510.5000	30.66	11.69	42.35	54.00	-11.65	AVG	
2	11522.7000	40.91	11.71	52.62	74.00	-21.38	Peak	

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

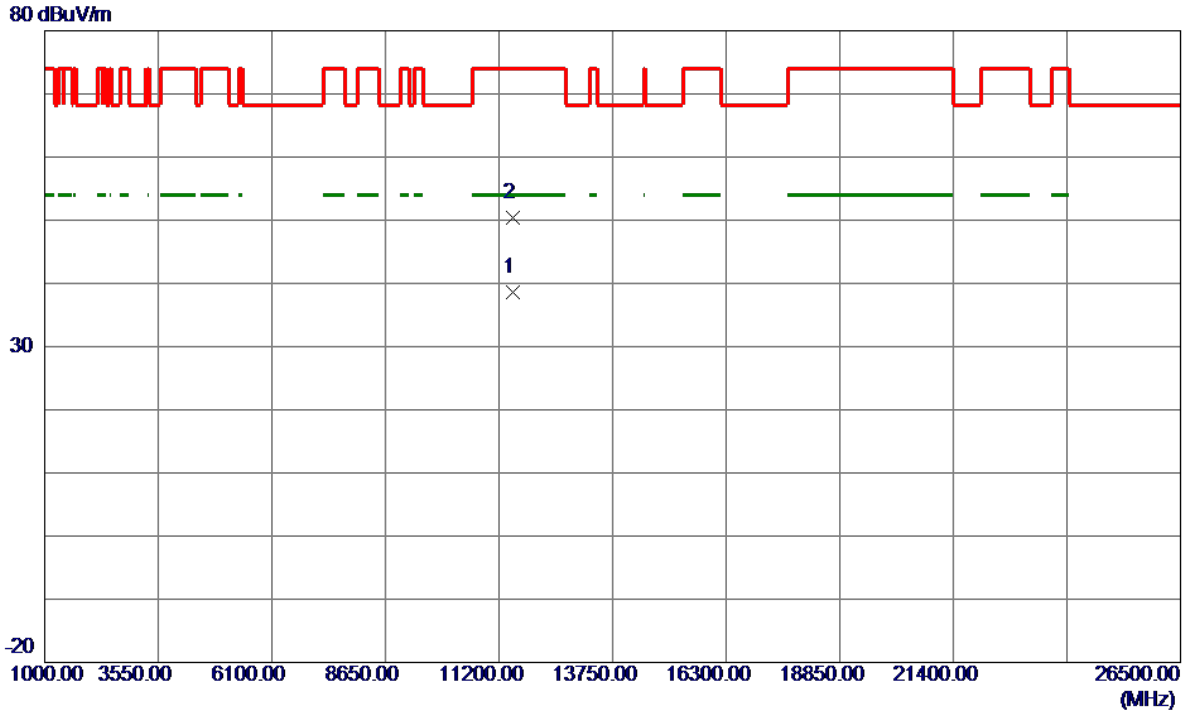
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	67.35	15.47	82.82	109.40	-26.58	Peak	
2	5725.0000	70.13	15.48	85.61	122.20	-36.59	Peak	
3 *	5752.6000	92.56	15.52	108.08	122.20	-14.12	Peak	No Limit

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

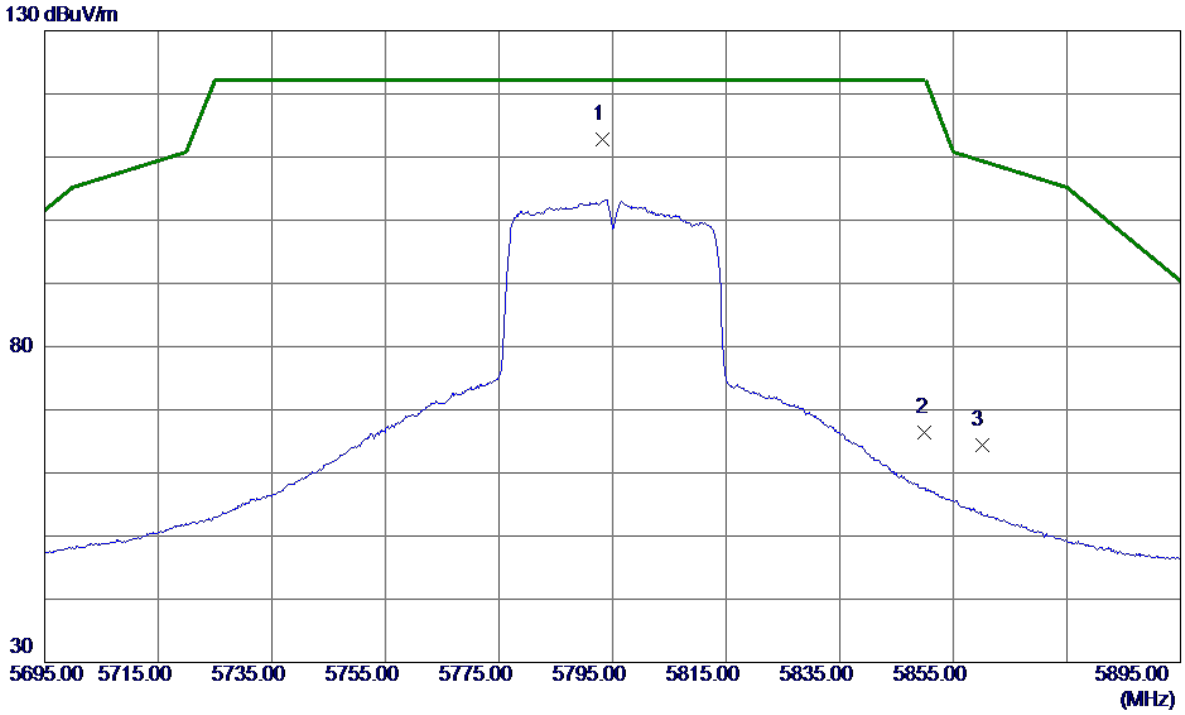
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11514.8000	26.96	11.70	38.66	54.00	-15.34	AVG	
2	11523.4000	38.61	11.71	50.32	74.00	-23.68	Peak	

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

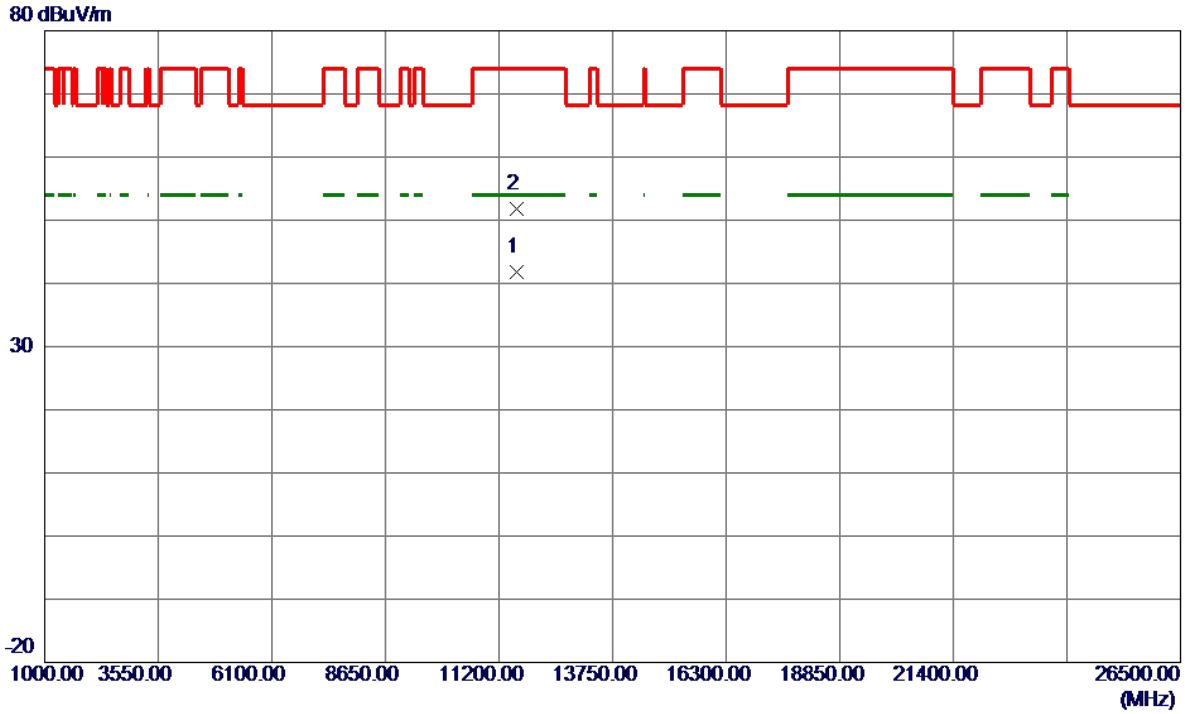
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5793.3000	97.31	15.58	112.89	122.20	-9.31	Peak	No Limit
2	5850.0000	50.67	15.66	66.33	122.20	-55.87	Peak	
3	5860.0000	48.67	15.67	64.34	109.40	-45.06	Peak	

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

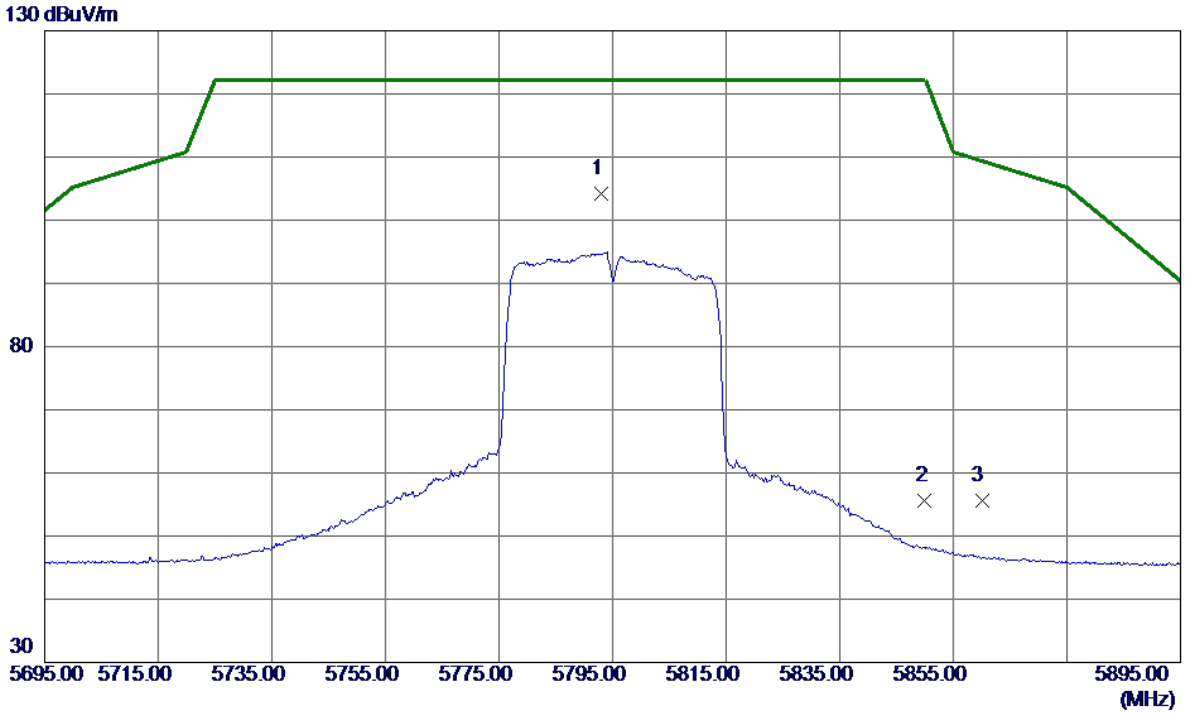
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11590.5000	29.92	11.79	41.71	54.00	-12.29	AVG	
2	11592.1000	39.94	11.79	51.73	74.00	-22.27	Peak	

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

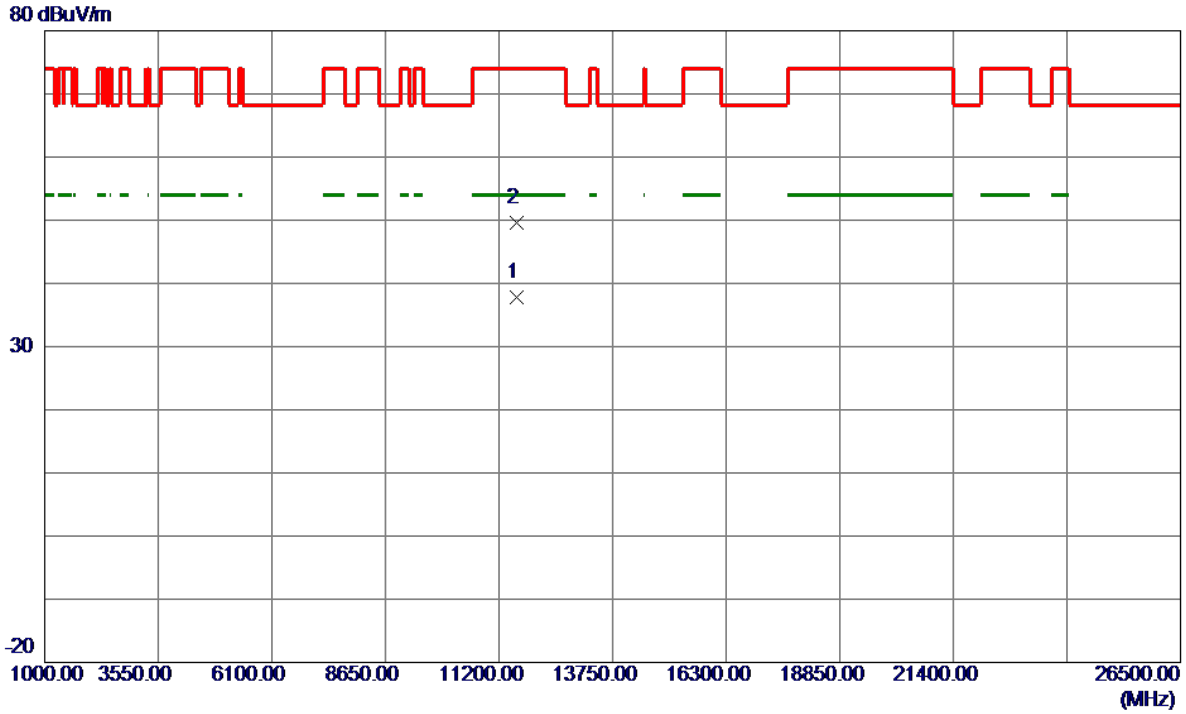
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5793.1000	88.66	15.58	104.24	122.20	-17.96	Peak	No Limit
2	5850.0000	39.86	15.66	55.52	122.20	-66.68	Peak	
3	5860.0000	39.93	15.67	55.60	109.40	-53.80	Peak	

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

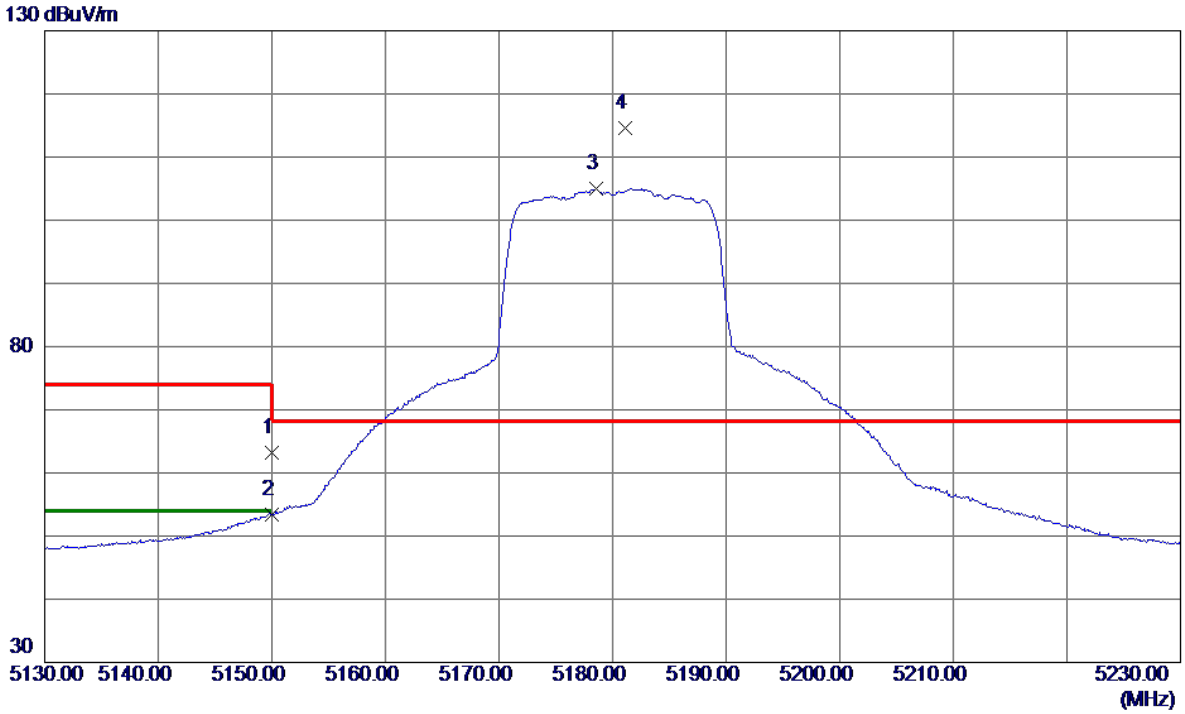
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11591.0500	25.97	11.79	37.76	54.00	-16.24	AVG	
2	11600.3000	37.80	11.80	49.60	74.00	-24.40	Peak	

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

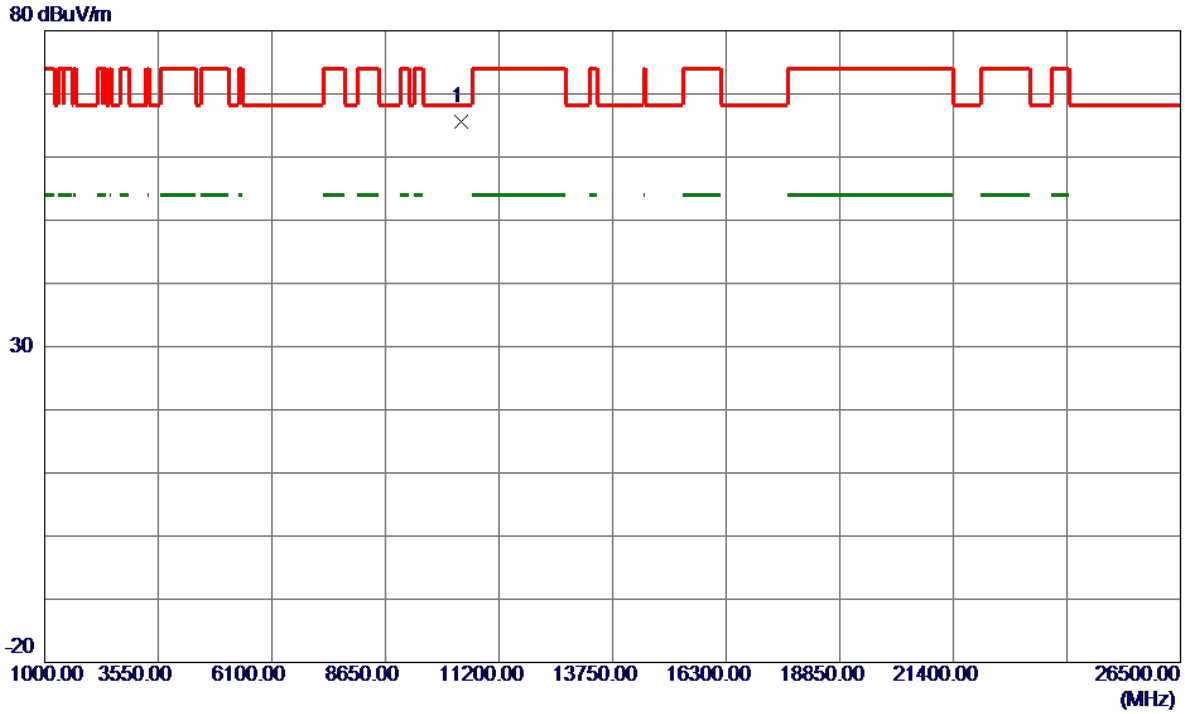
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	48.55	14.70	63.25	74.00	-10.75	Peak	
2	5150.0000	38.73	14.70	53.43	54.00	-0.57	AVG	
3	5178.5500	90.33	14.74	105.07	999.00	-893.93	AVG	No Limit
4 *	5181.1500	99.89	14.75	114.64	68.30	46.34	Peak	No Limit

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

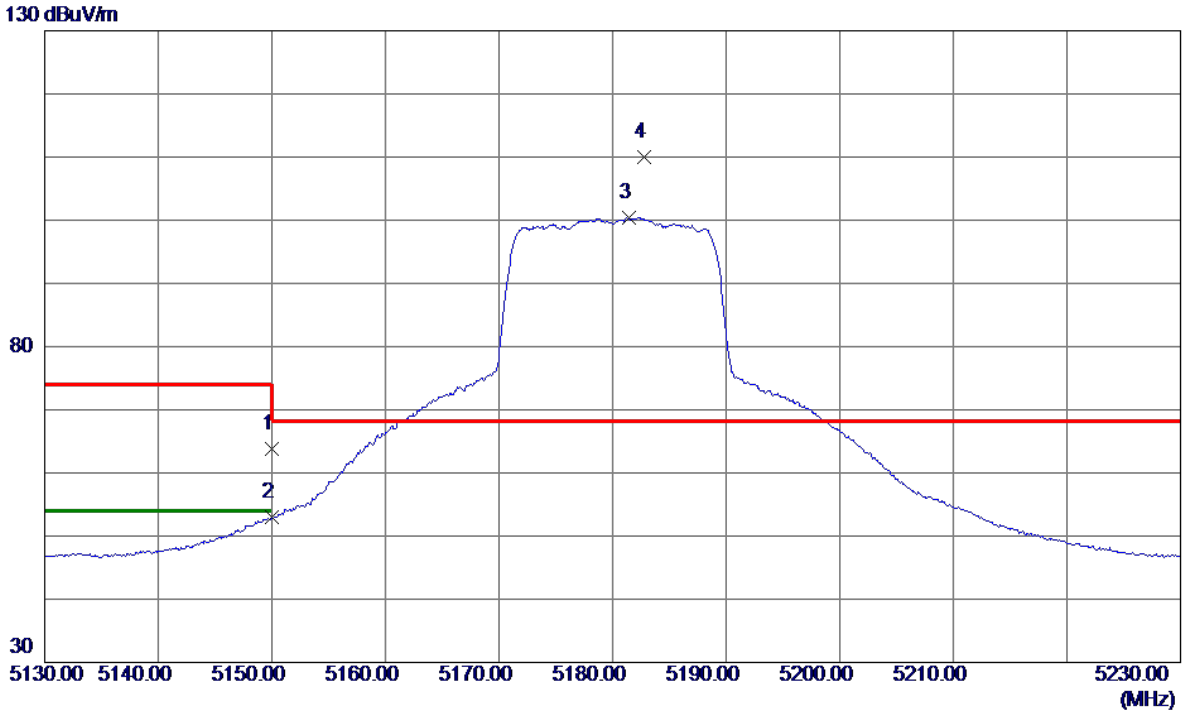
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10358.2250	55.00	10.58	65.58	68.30	-2.72	Peak	

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

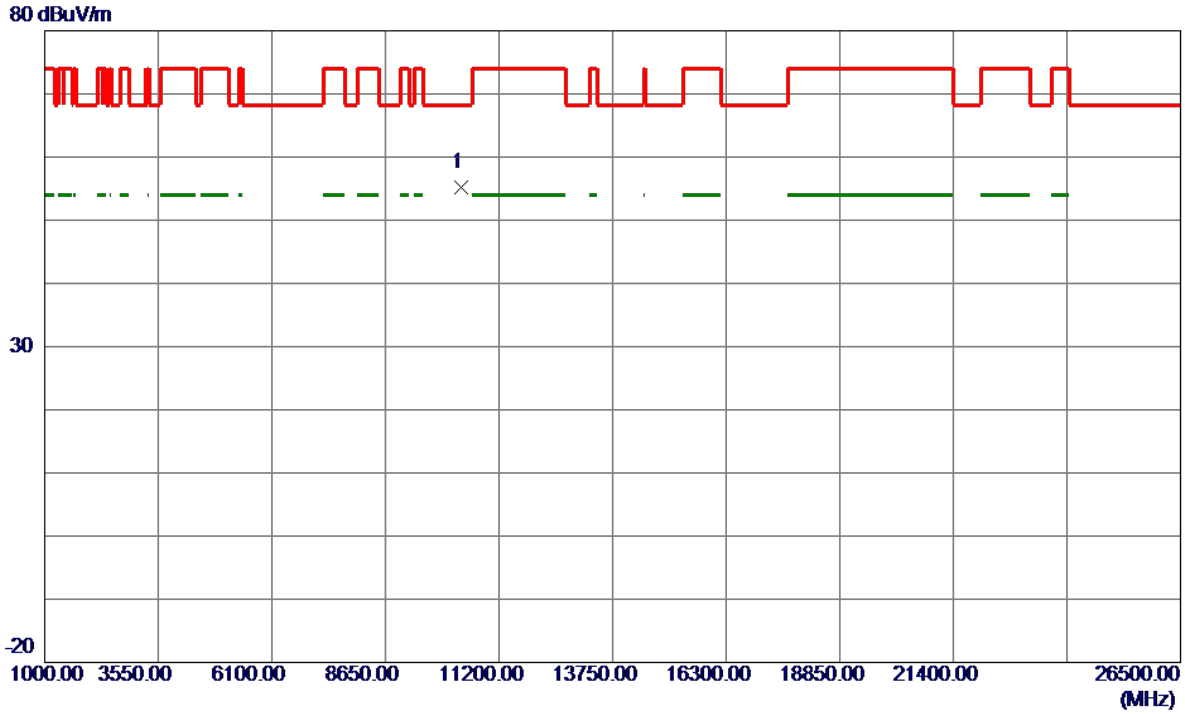
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	49.02	14.70	63.72	74.00	-10.28	Peak	
2	5150.0000	38.26	14.70	52.96	54.00	-1.04	AVG	
3	5181.4000	85.69	14.75	100.44	999.00	-898.56	AVG	No Limit
4 *	5182.8000	95.16	14.75	109.91	68.30	41.61	Peak	No Limit

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

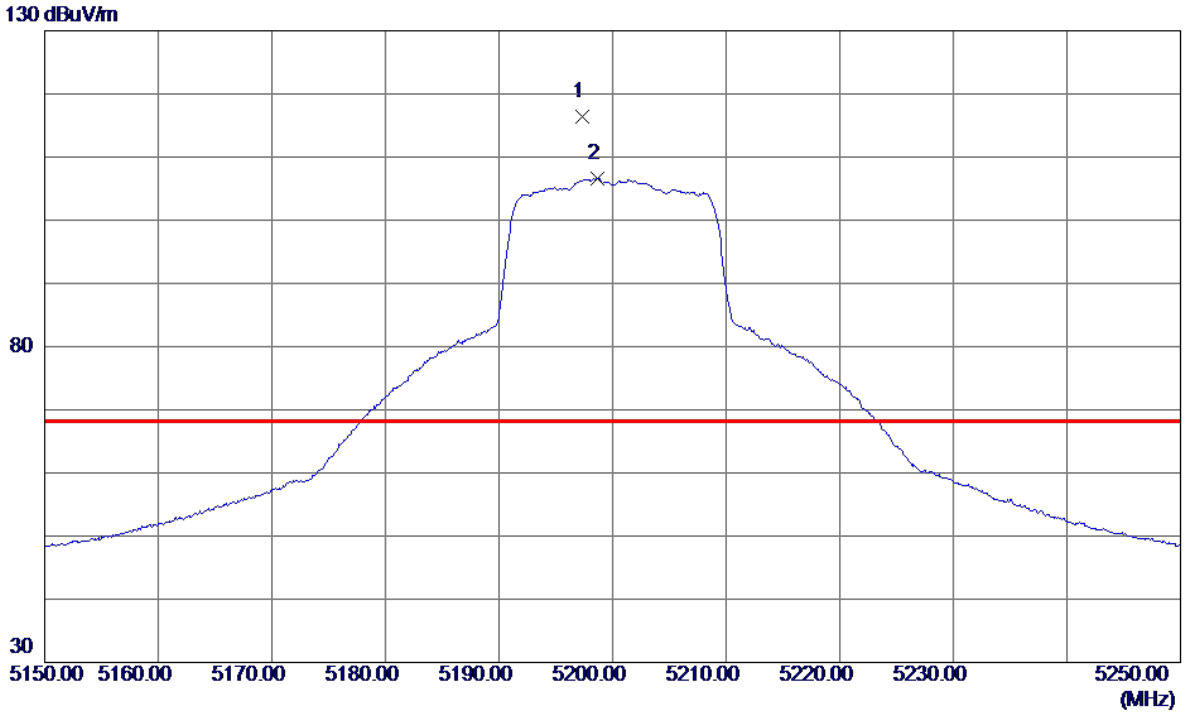
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10358.1250	44.62	10.58	55.20	68.30	-13.10	Peak	

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

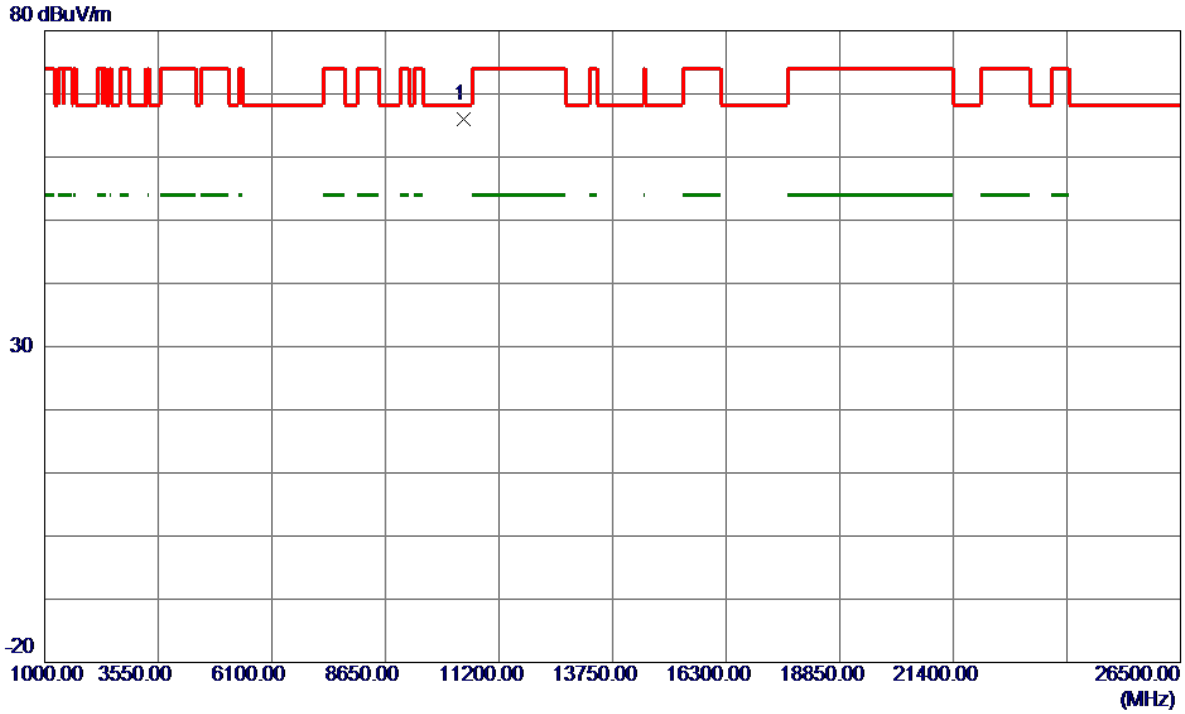
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5197.3000	101.71	14.77	116.48	68.30	48.18	Peak	No Limit
2	5198.7000	91.91	14.77	106.68	999.00	-892.32	AVG	No Limit

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

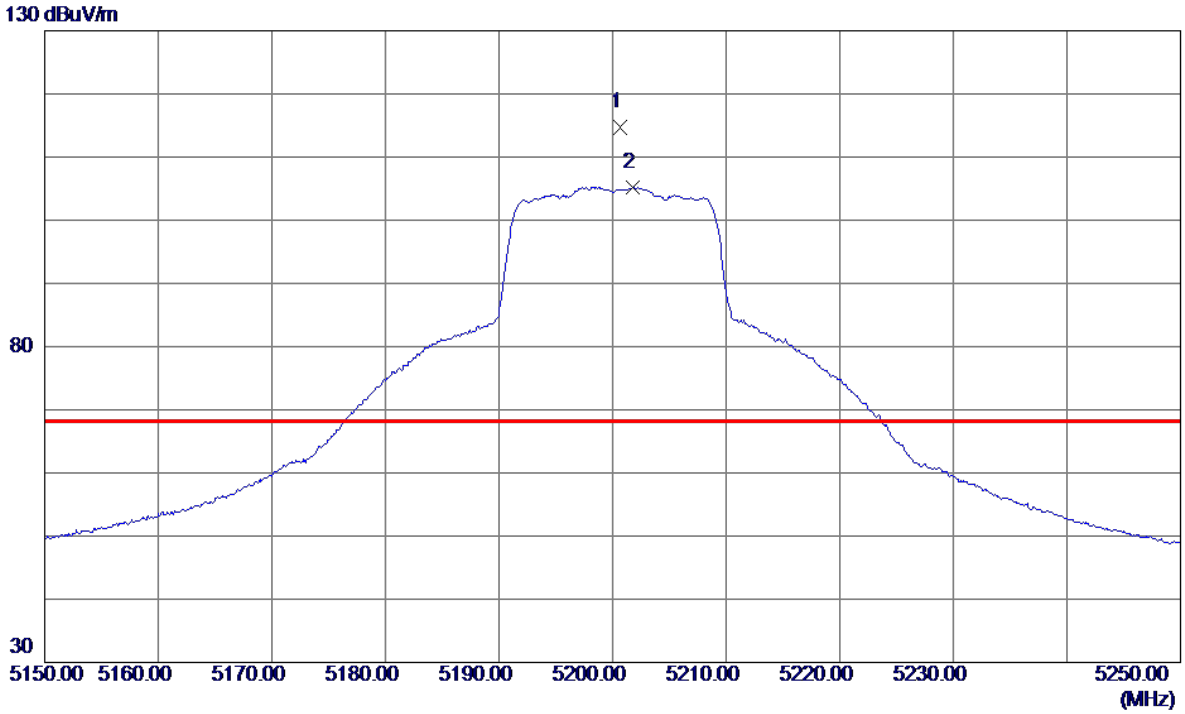
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10394.2000	55.33	10.62	65.95	68.30	-2.35	Peak	

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

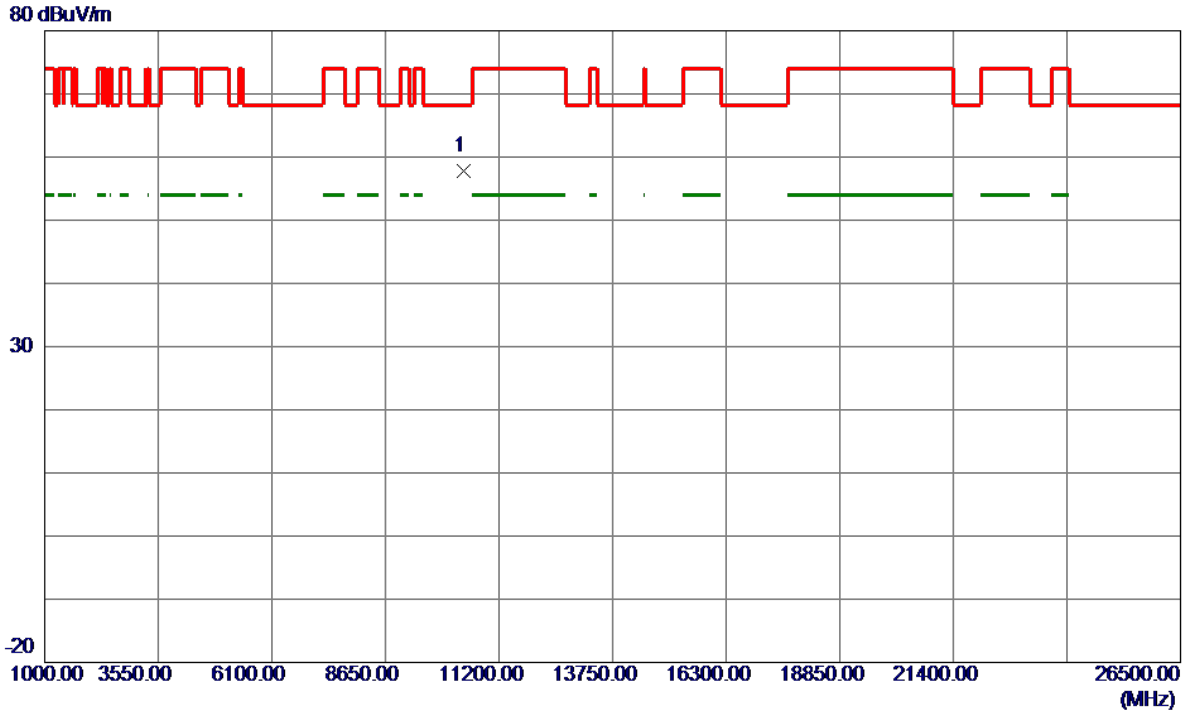
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5200.7000	99.93	14.77	114.70	68.30	46.40	Peak	No Limit
2	5201.8000	90.49	14.77	105.26	999.00	-893.74	AVG	No Limit

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

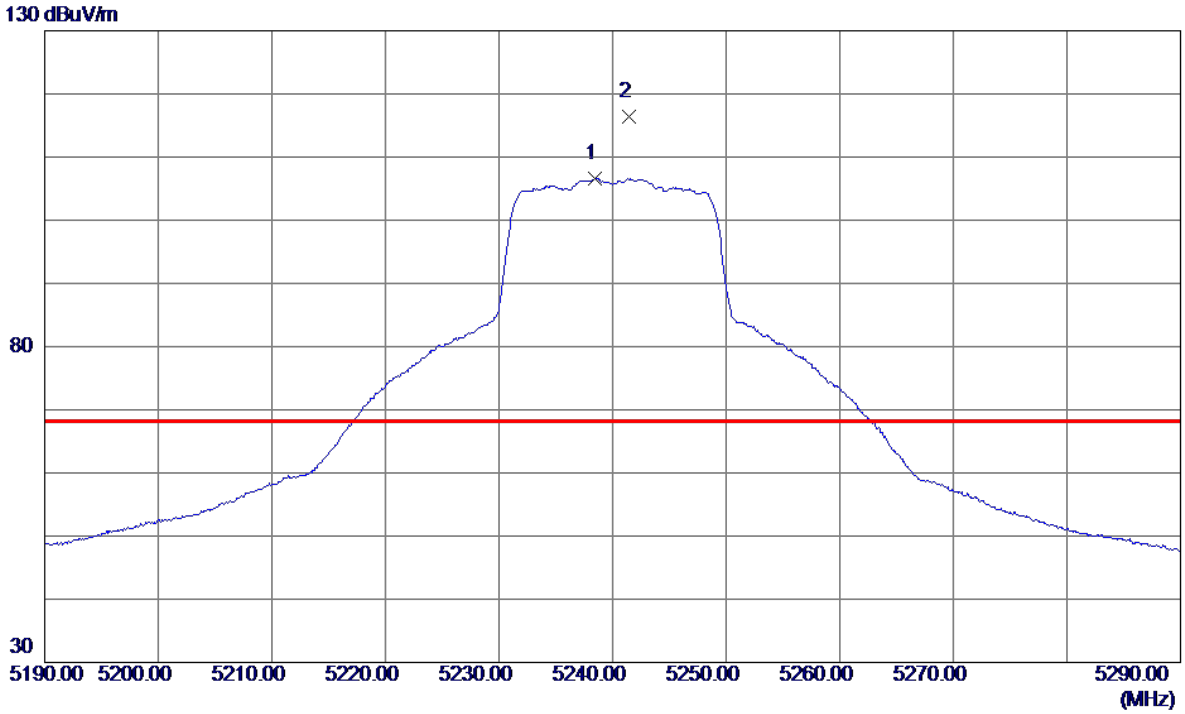
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10397.5000	47.25	10.63	57.88	68.30	-10.42	Peak	

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

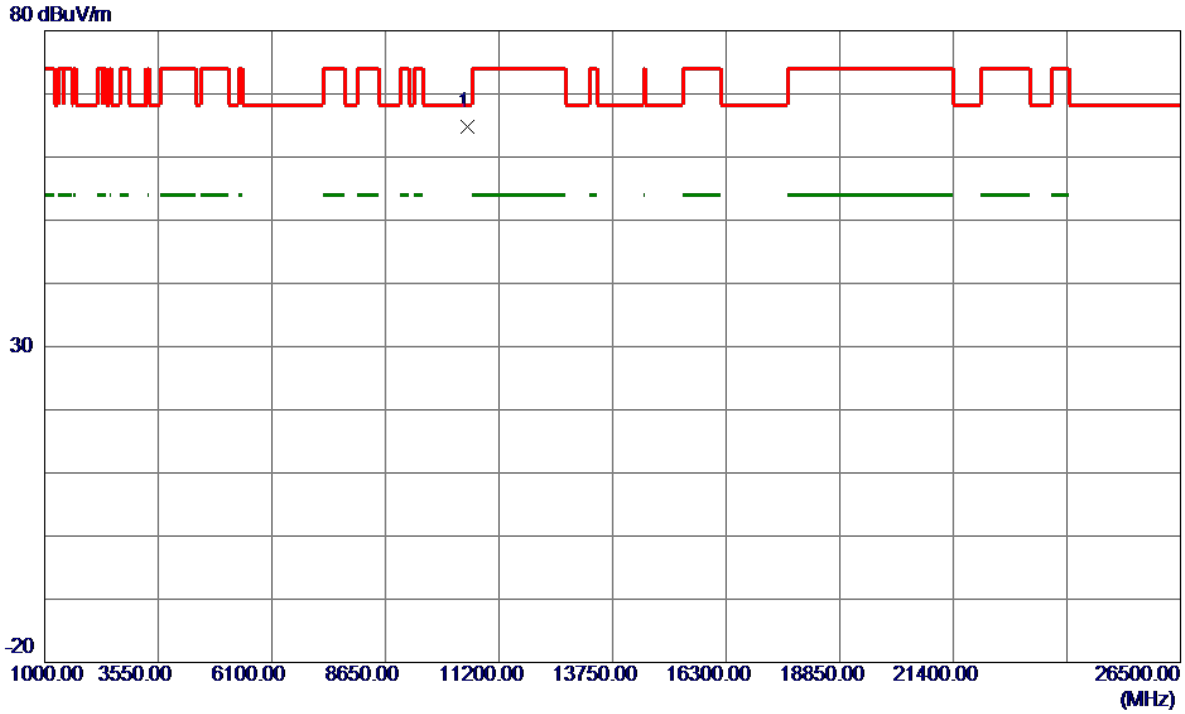
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5238.4000	91.72	14.82	106.54	999.00	-892.46	AVG	No Limit
2 *	5241.4000	101.67	14.82	116.49	68.30	48.19	Peak	No Limit

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

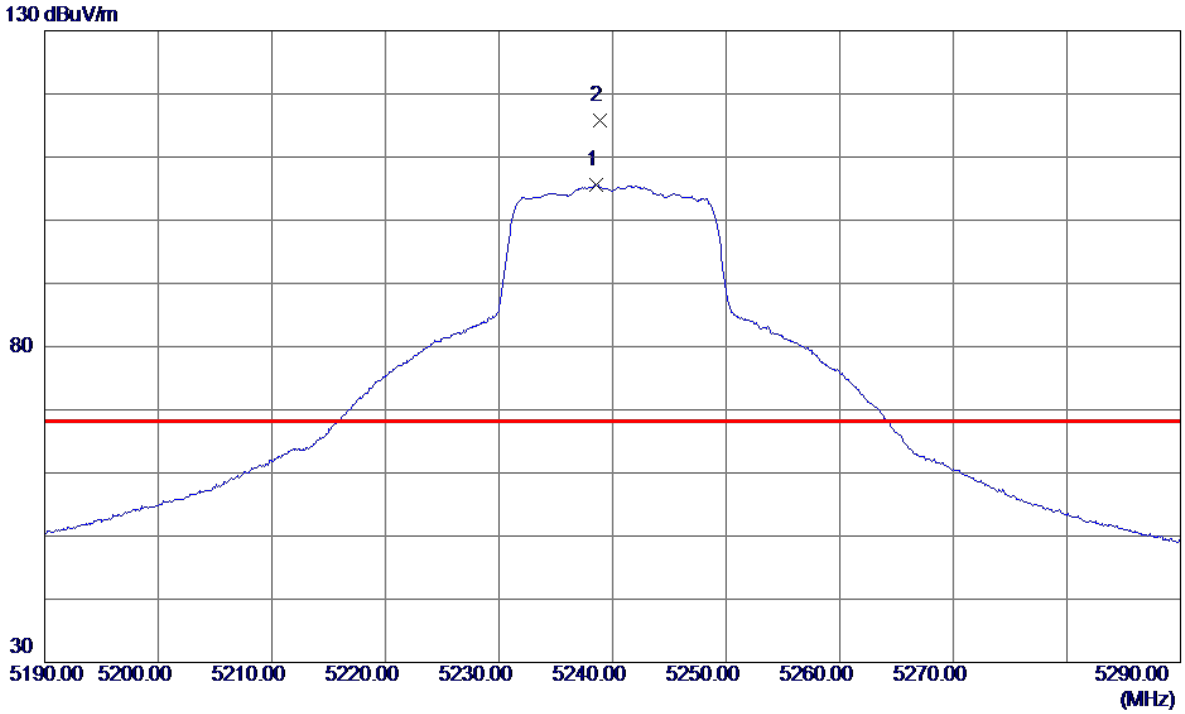
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10478.1500	54.00	10.73	64.73	68.30	-3.57	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5238.5500	90.87	14.82	105.69	999.00	-893.31	AVG	No Limit
2 *	5238.9000	100.91	14.82	115.73	68.30	47.43	Peak	No Limit

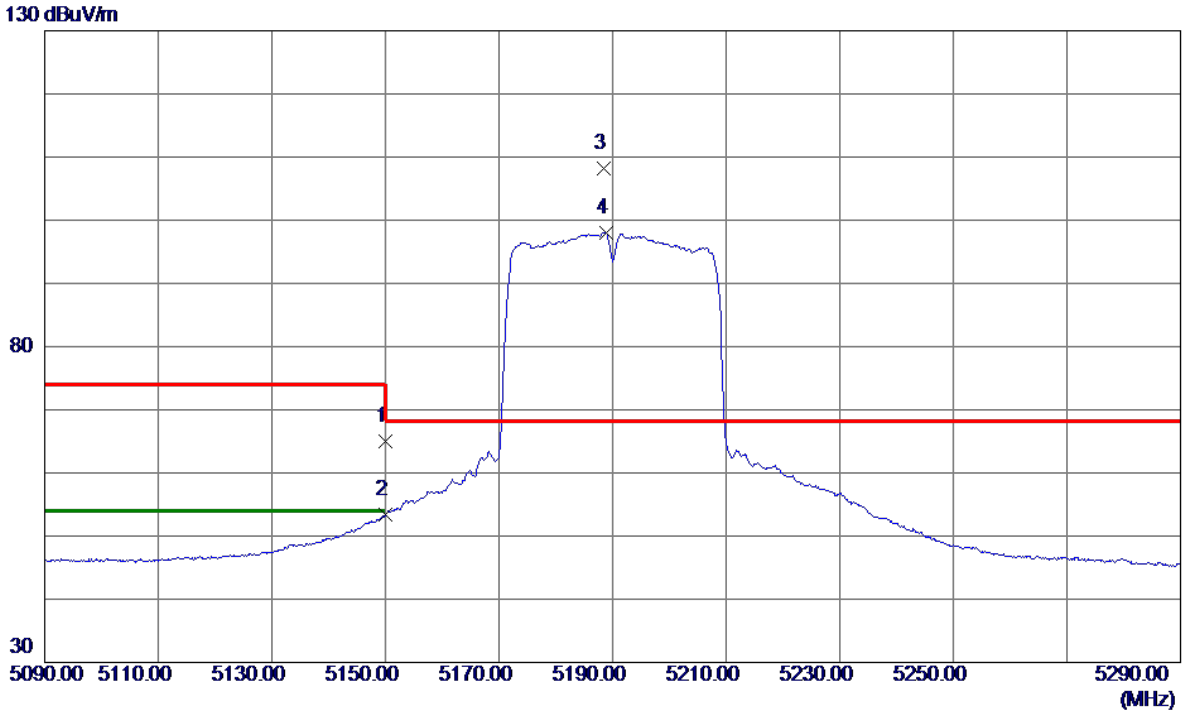
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5240 MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10485.5750	41.07	10.74	51.81	68.30	-16.49	Peak	

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

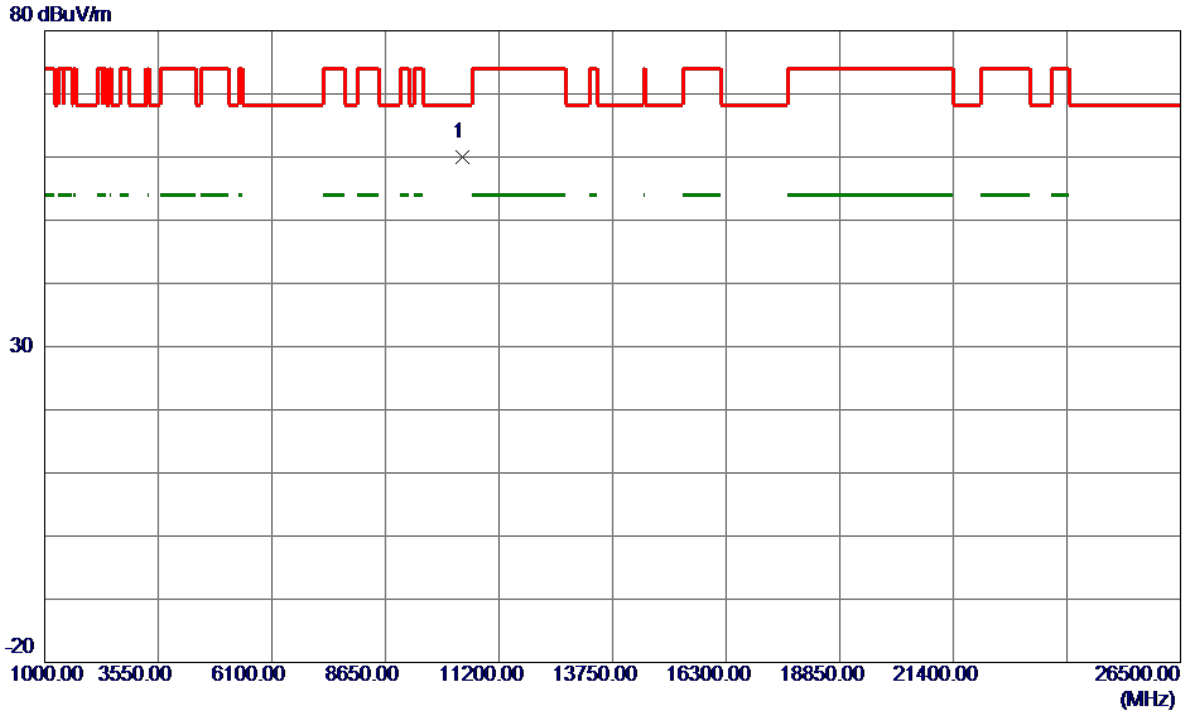
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	50.29	14.70	64.99	74.00	-9.01	Peak	
2	5150.0000	38.69	14.70	53.39	54.00	-0.61	AVG	
3 *	5188.4000	93.48	14.75	108.23	68.30	39.93	Peak	No Limit
4	5188.9000	83.24	14.76	98.00	999.00	-901.00	AVG	No Limit

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

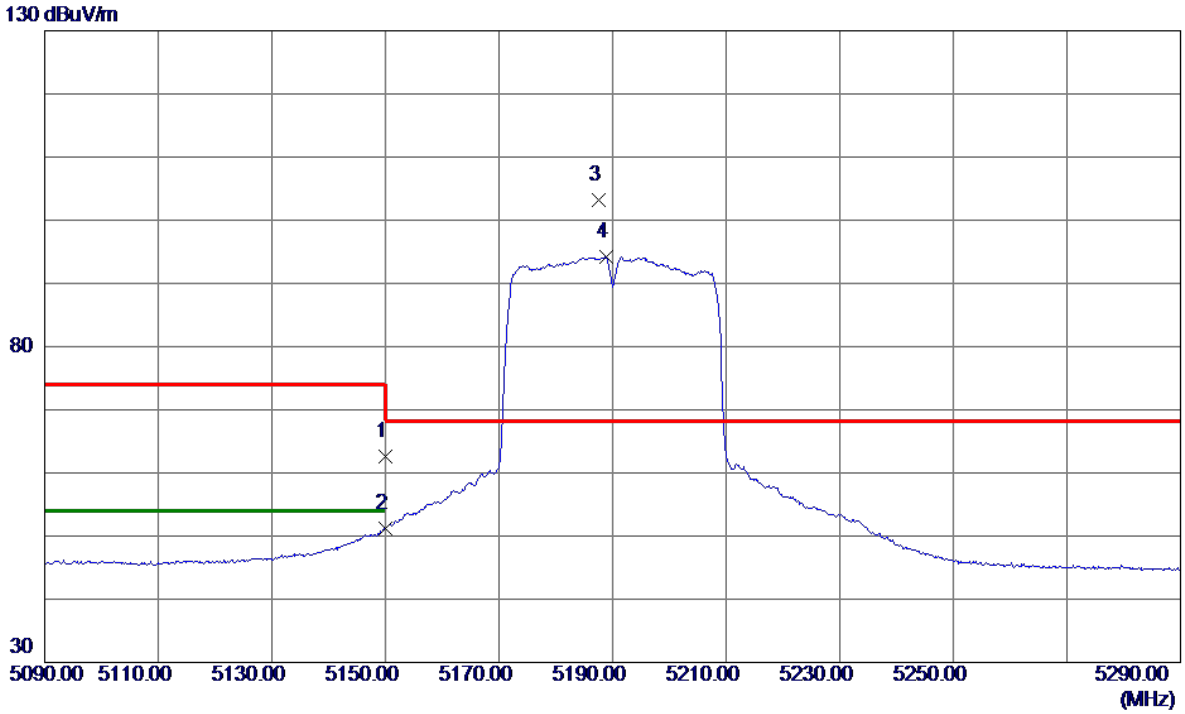
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10374.7500	49.41	10.60	60.01	68.30	-8.29	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	47.95	14.70	62.65	74.00	-11.35	Peak	
2	5150.0000	36.49	14.70	51.19	54.00	-2.81	AVG	
3 *	5187.5000	88.37	14.75	103.12	68.30	34.82	Peak	No Limit
4	5188.8000	79.43	14.76	94.19	999.00	-904.81	AVG	No Limit

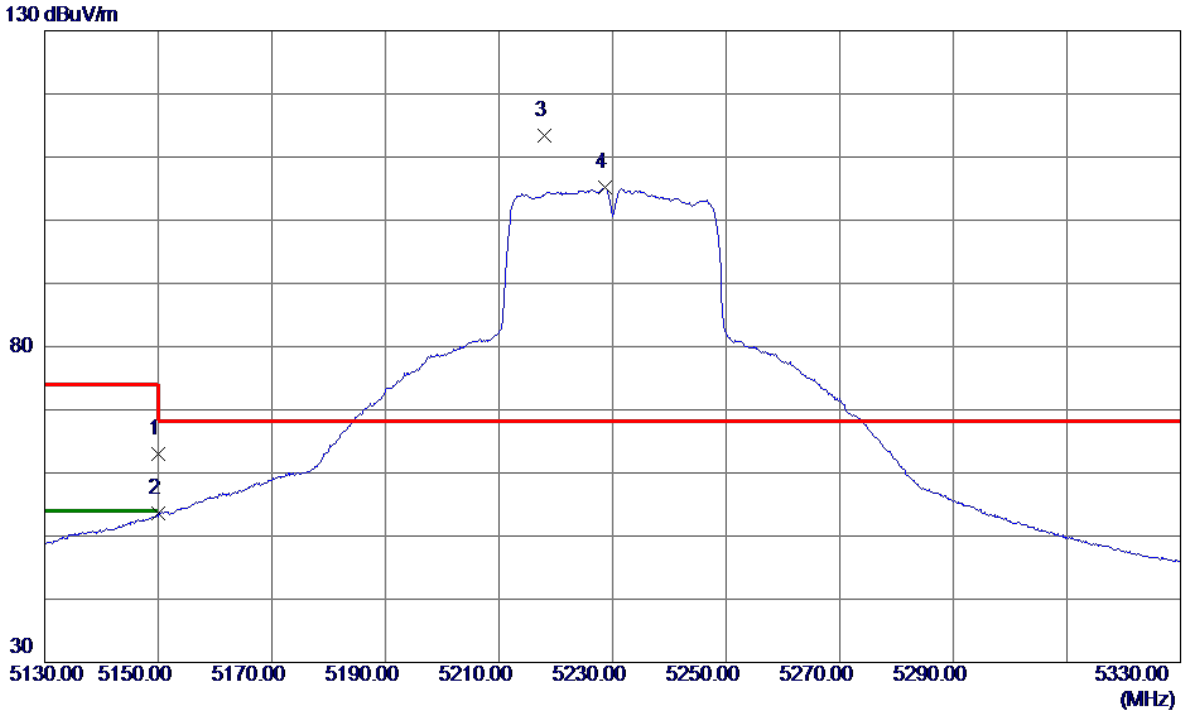
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10375.0000	44.29	10.60	54.89	68.30	-13.41	Peak	

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

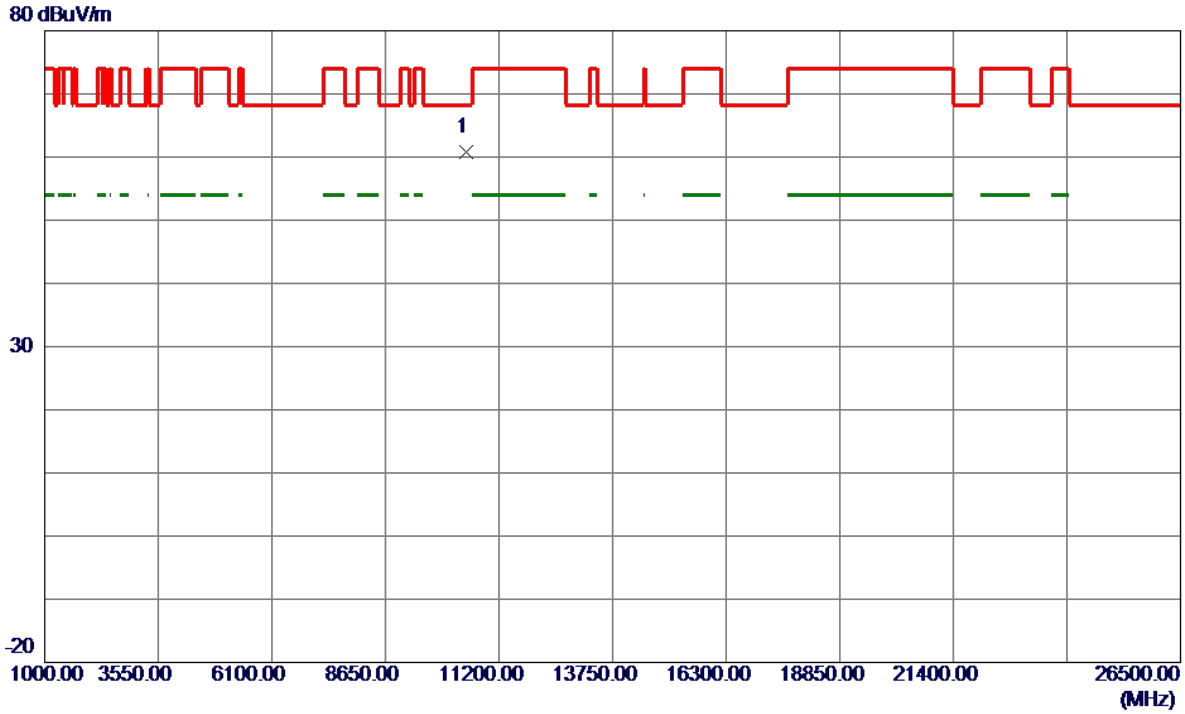
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	48.21	14.70	62.91	74.00	-11.09	Peak	
2	5150.0000	38.88	14.70	53.58	54.00	-0.42	AVG	
3 *	5218.0000	98.69	14.79	113.48	68.30	45.18	Peak	No Limit
4	5228.7000	90.30	14.81	105.11	999.00	-893.89	AVG	No Limit

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

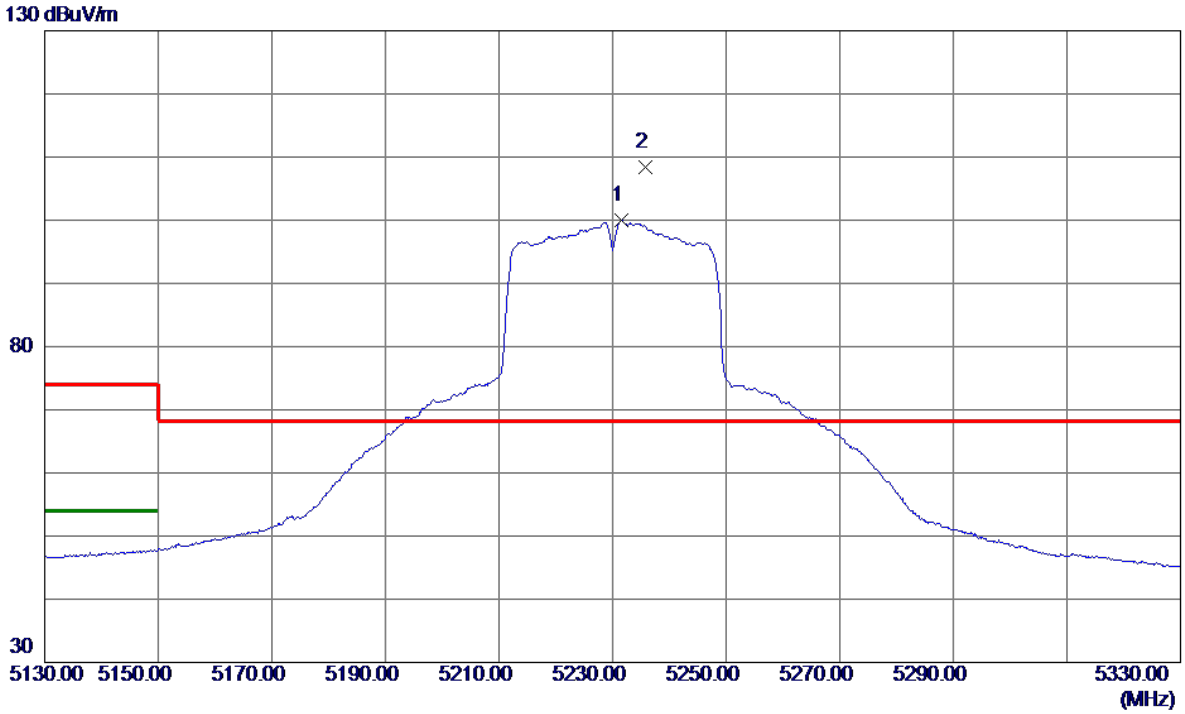
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10452.7500	50.09	10.70	60.79	68.30	-7.51	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	5231.5000	85.16	14.81	99.97	999.00	-899.03	AVG	No Limit
2 *	5235.8000	93.53	14.82	108.35	68.30	40.05	Peak	No Limit

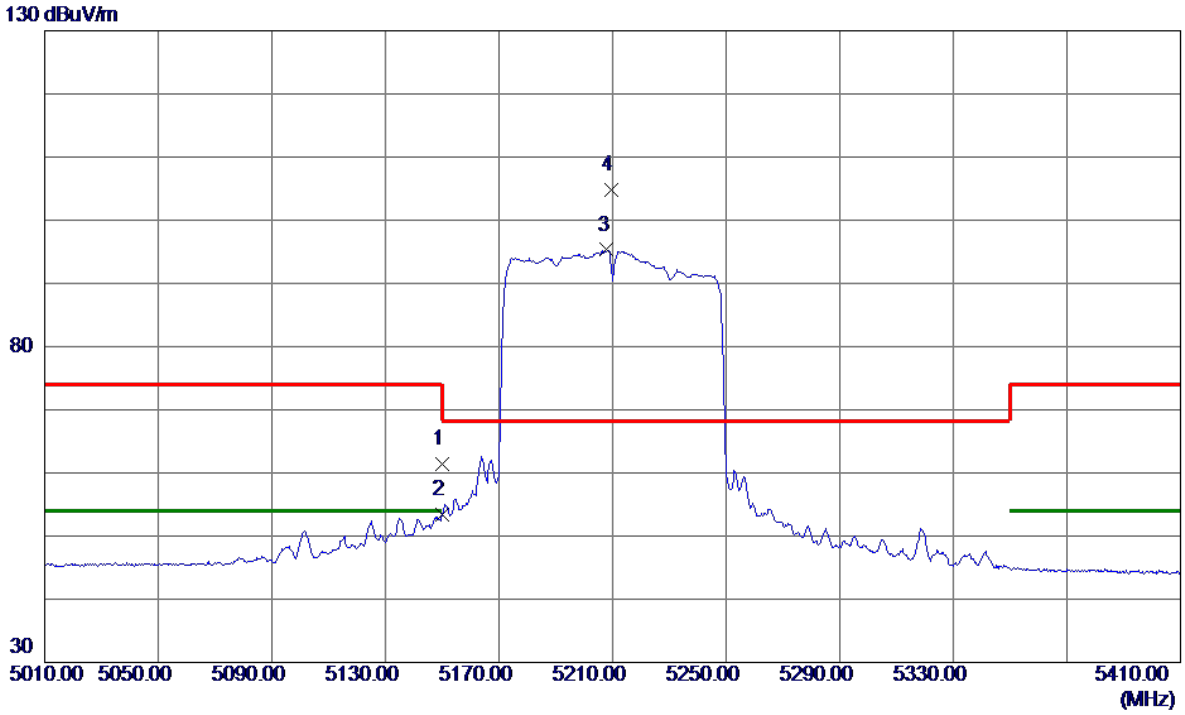
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10449.3500	41.08	10.70	51.78	68.30	-16.52	Peak	

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

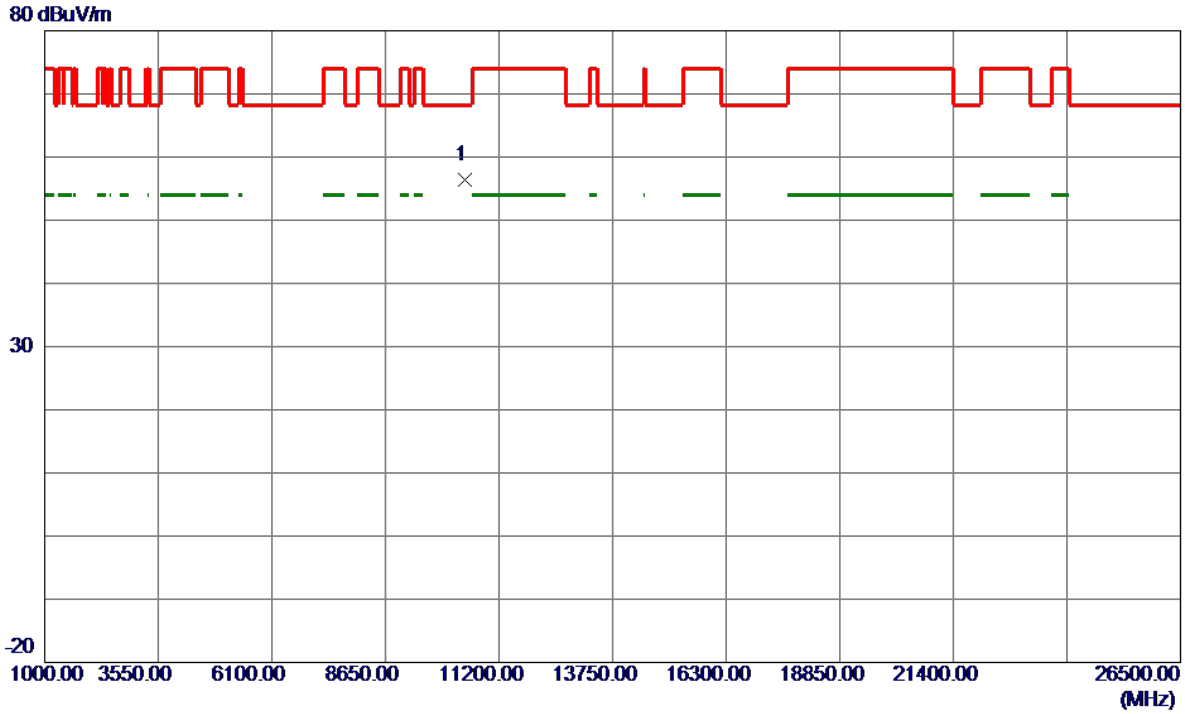
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	46.77	14.70	61.47	74.00	-12.53	Peak	
2	5150.0000	38.66	14.70	53.36	54.00	-0.64	AVG	
3	5208.0000	80.52	14.78	95.30	999.00	-903.70	AVG	No Limit
4 *	5209.4000	89.94	14.78	104.72	68.30	36.42	Peak	No Limit

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

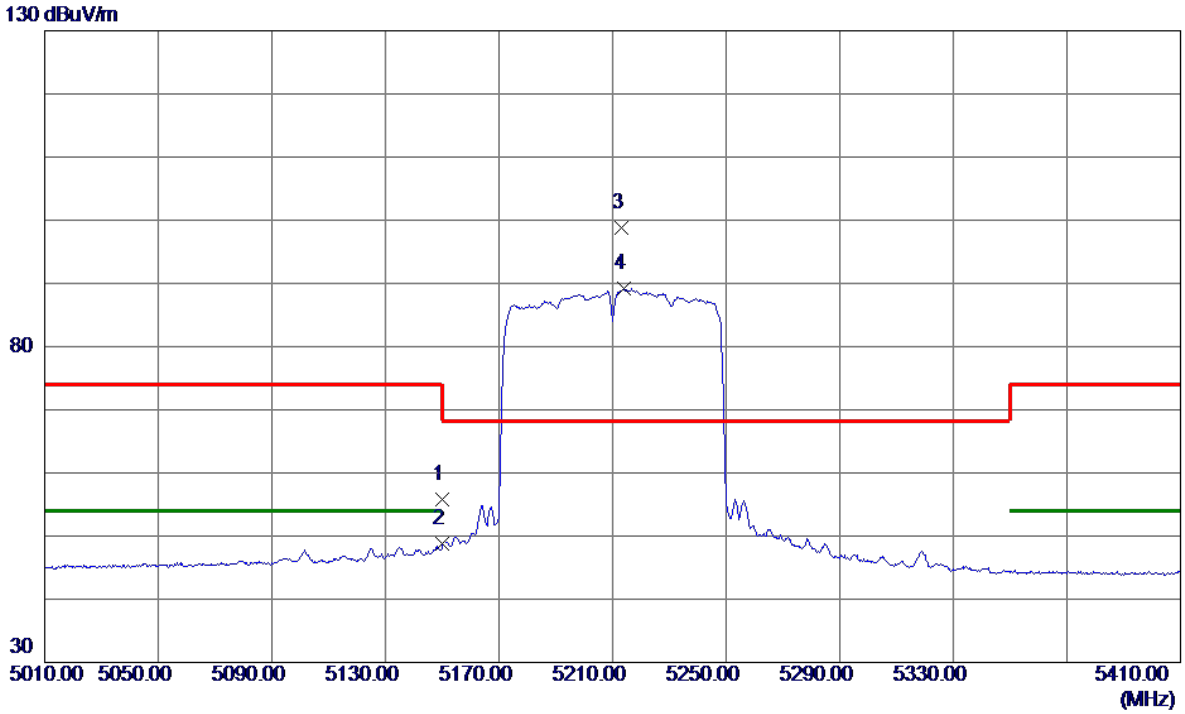
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10436.6000	45.76	10.68	56.44	68.30	-11.86	Peak	

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

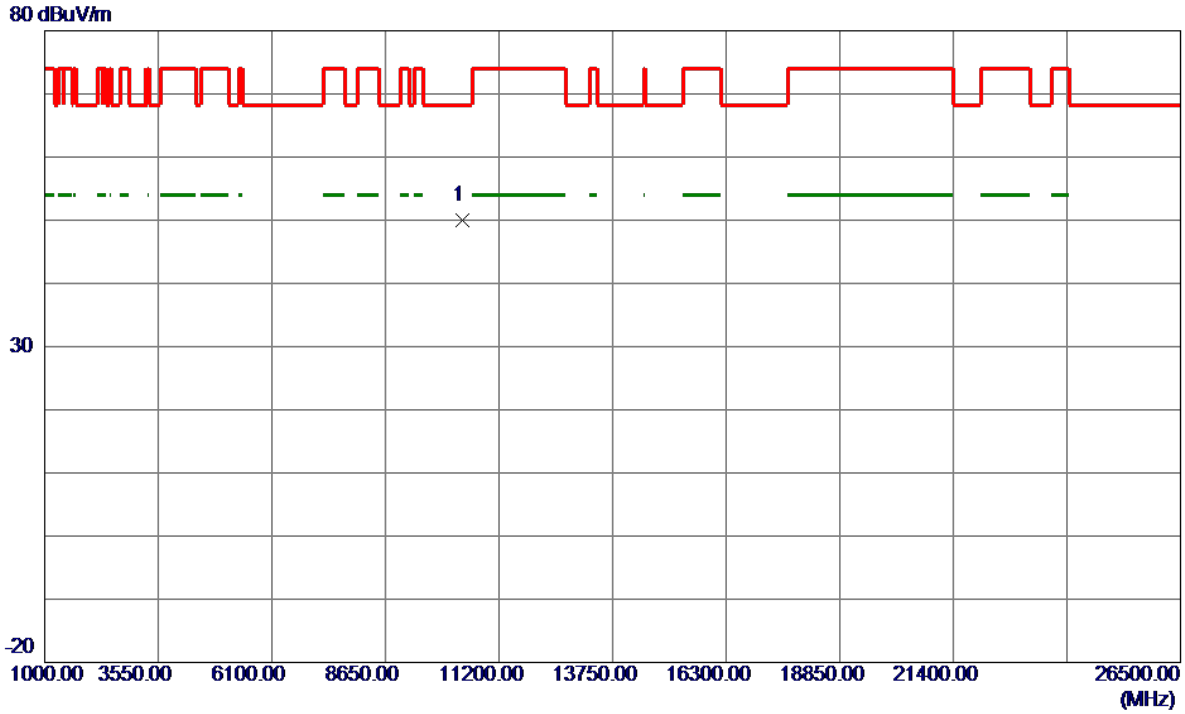
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	41.07	14.70	55.77	74.00	-18.23	Peak	
2	5150.0000	34.08	14.70	48.78	54.00	-5.22	AVG	
3 *	5213.0000	84.07	14.79	98.86	68.30	30.56	Peak	No Limit
4	5213.8000	74.35	14.79	89.14	999.00	-909.86	AVG	No Limit

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

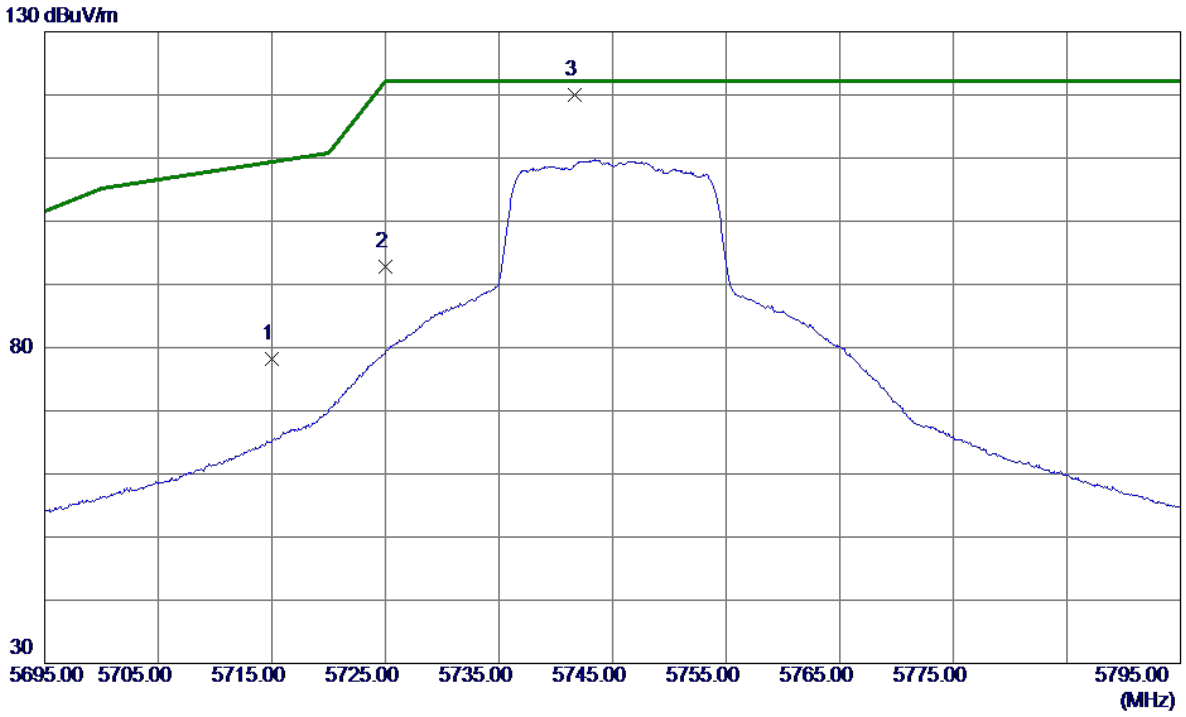
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10383.1000	39.36	10.61	49.97	68.30	-18.33	Peak	

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

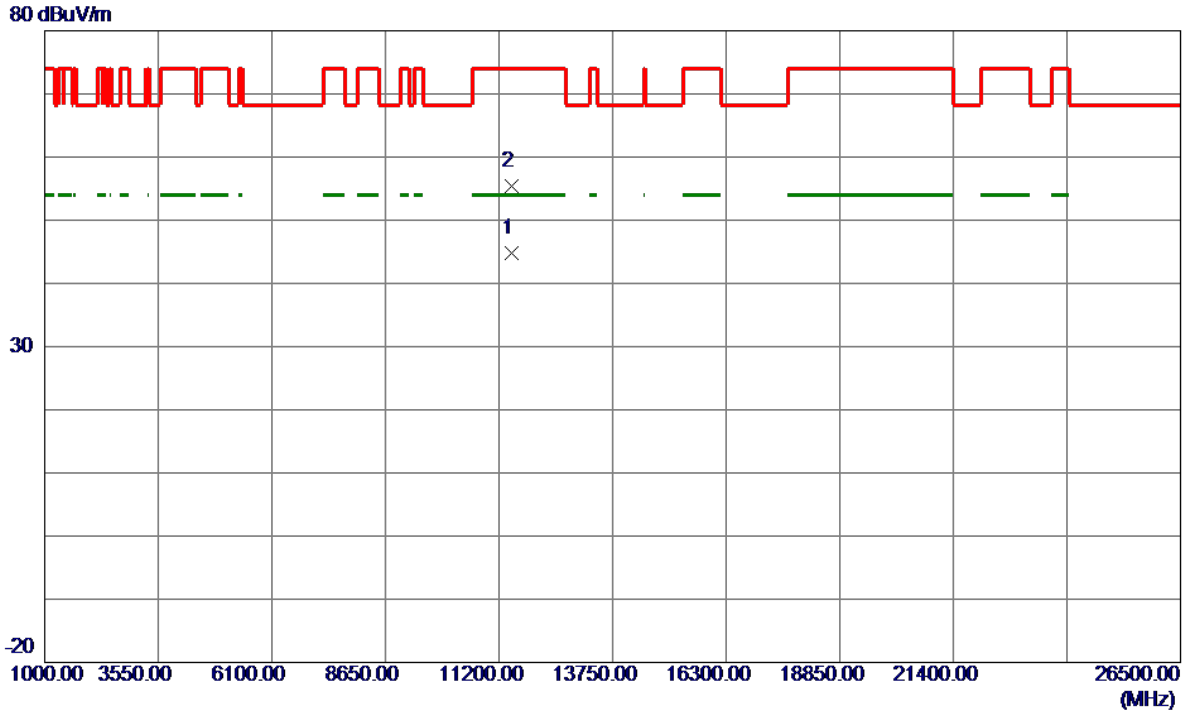
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	62.77	15.47	78.24	109.40	-31.16	Peak	
2	5725.0000	77.34	15.48	92.82	122.20	-29.38	Peak	
3 *	5741.6500	104.41	15.50	119.91	122.20	-2.29	Peak	No Limit

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

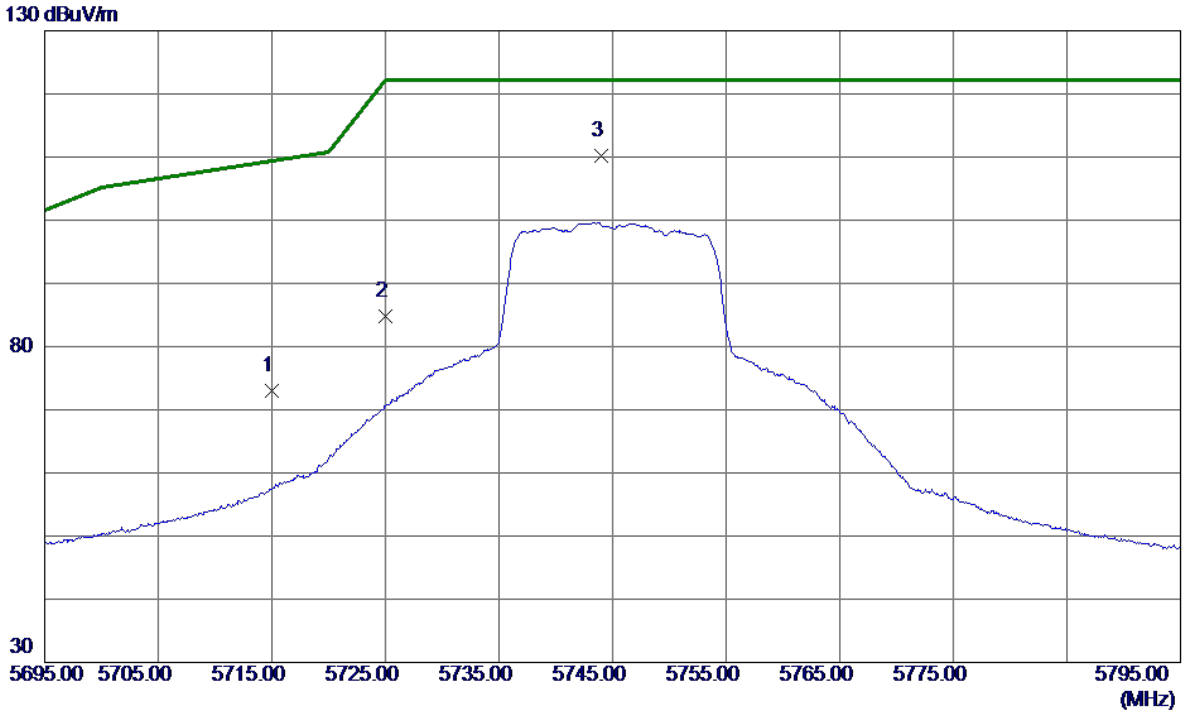
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11488.4750	33.13	11.66	44.79	54.00	-9.21	AVG	
2	11494.1250	43.71	11.67	55.38	74.00	-18.62	Peak	

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

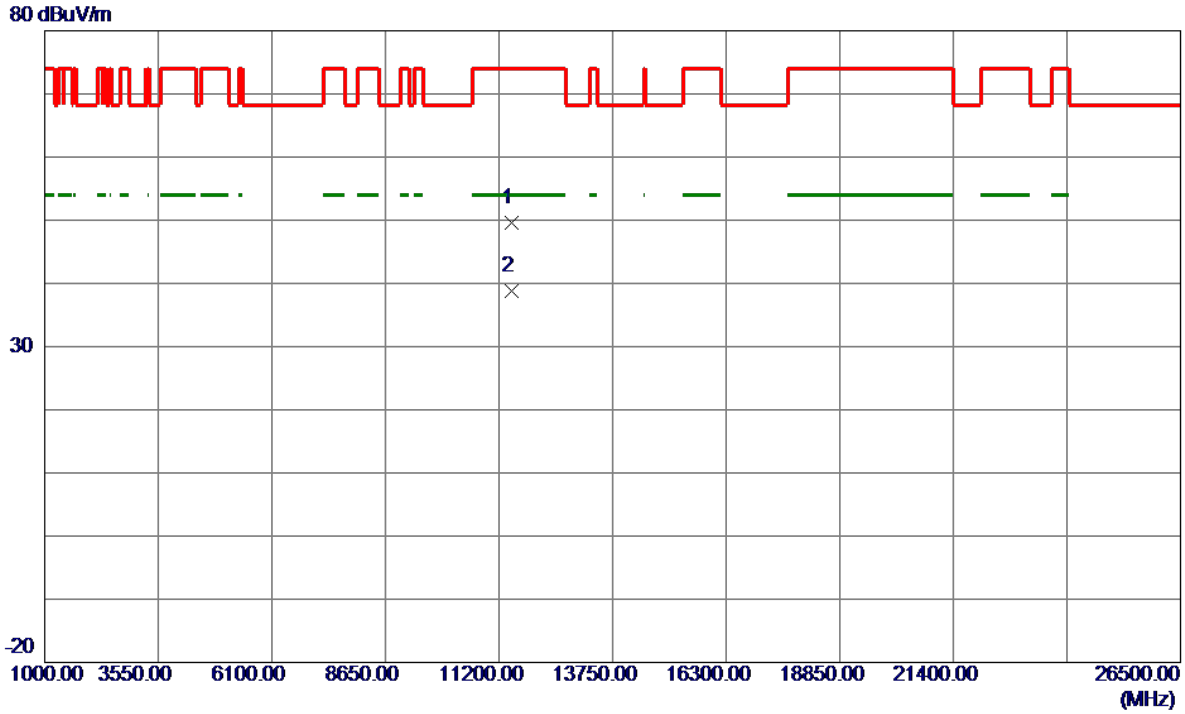
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	57.46	15.47	72.93	109.40	-36.47	Peak	
2	5725.0000	69.40	15.48	84.88	122.20	-37.32	Peak	
3 *	5744.0000	94.69	15.51	110.20	122.20	-12.00	Peak	No Limit

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

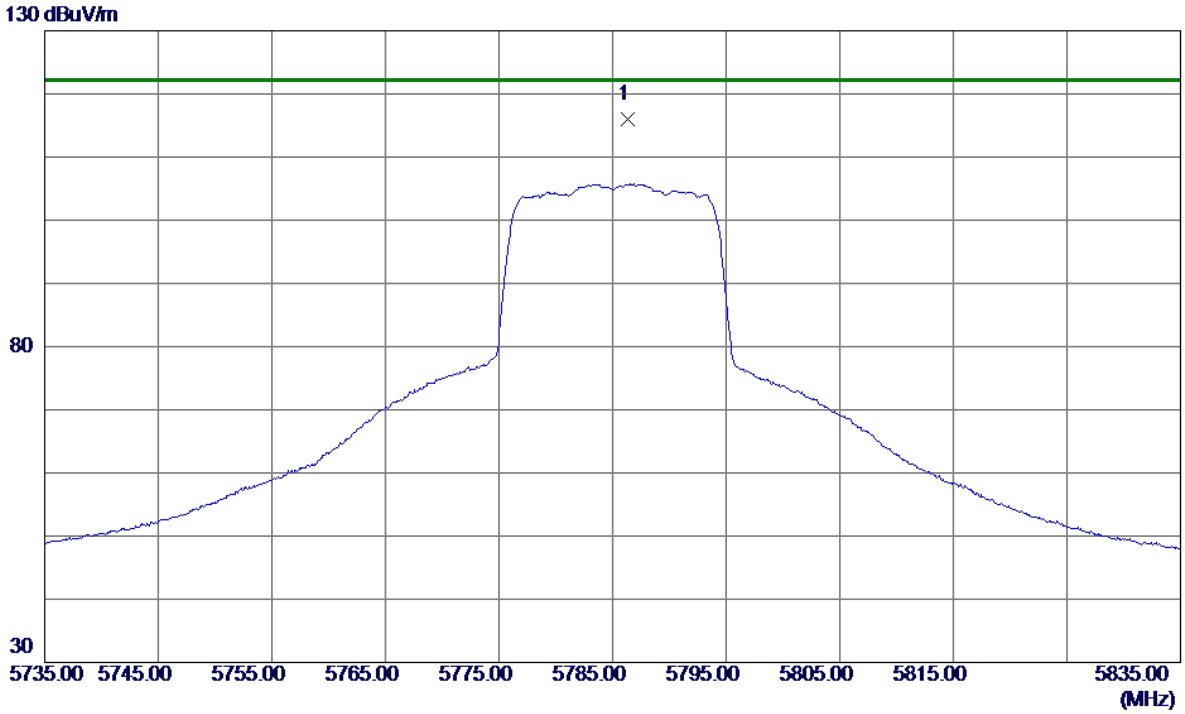
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11475.9750	37.93	11.64	49.57	74.00	-24.43	Peak	
2 *	11492.0250	27.04	11.67	38.71	54.00	-15.29	AVG	

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

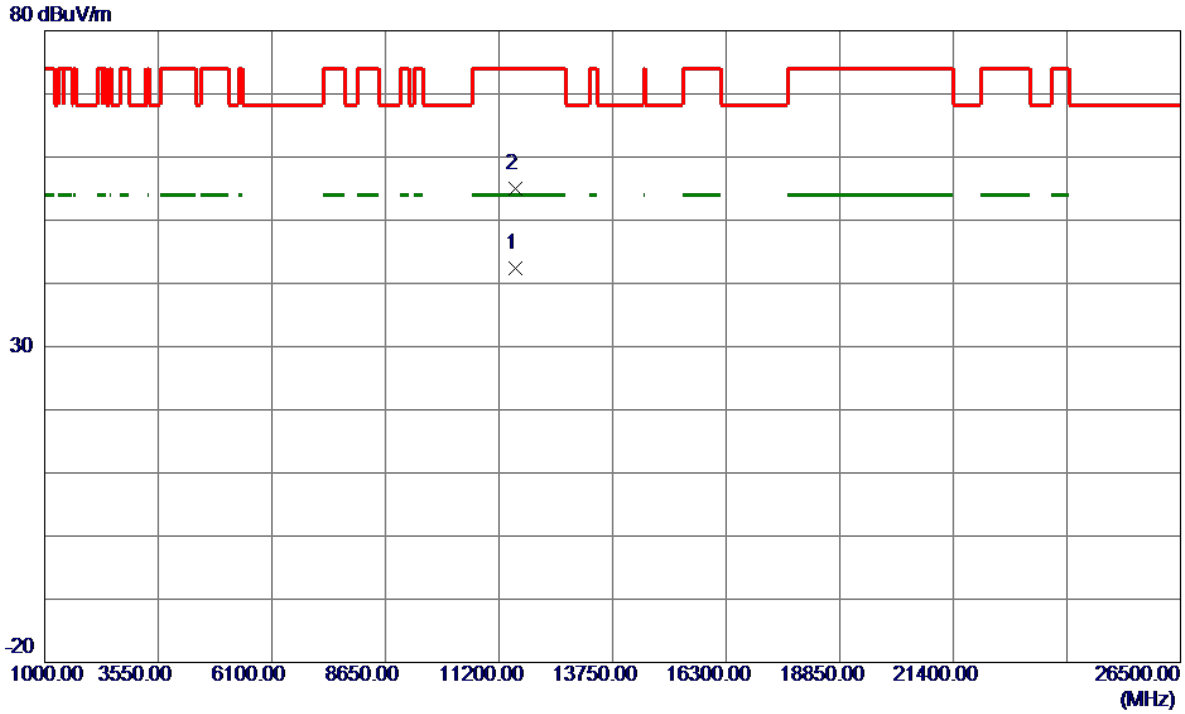
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5786.3000	100.43	15.57	116.00	122.20	-6.20	Peak	No Limit

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

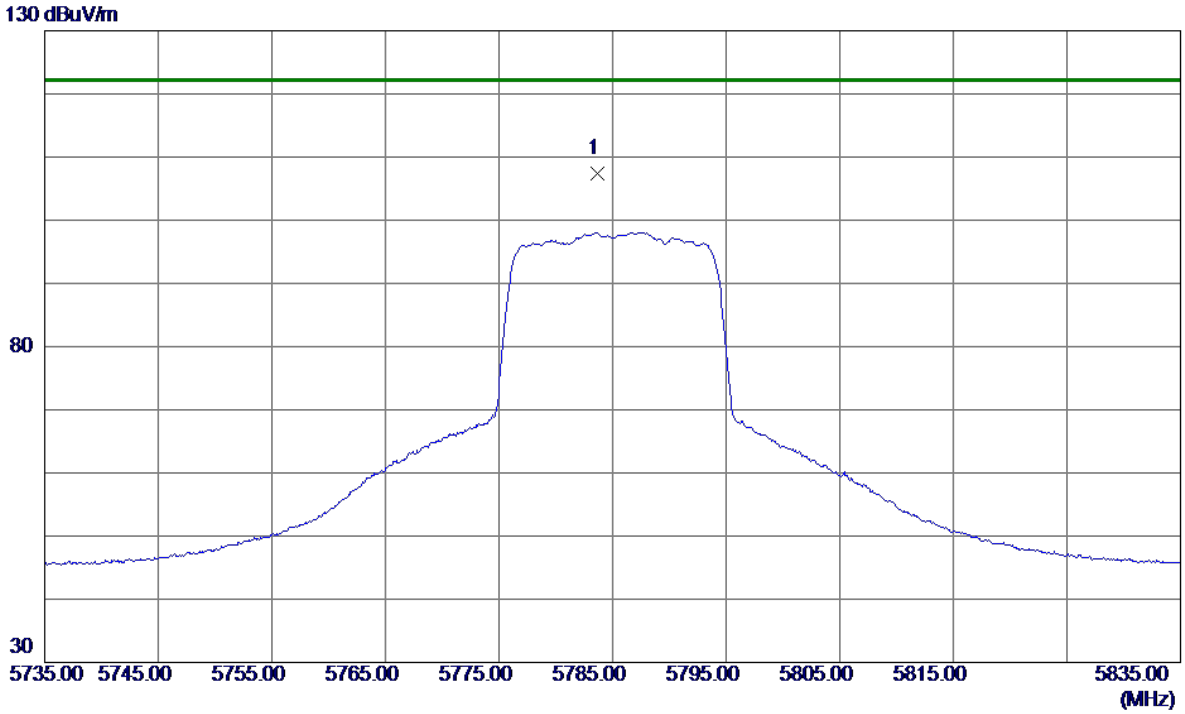
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11567.9750	30.72	11.76	42.48	54.00	-11.52	AVG	
2	11568.2750	43.22	11.76	54.98	74.00	-19.02	Peak	

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

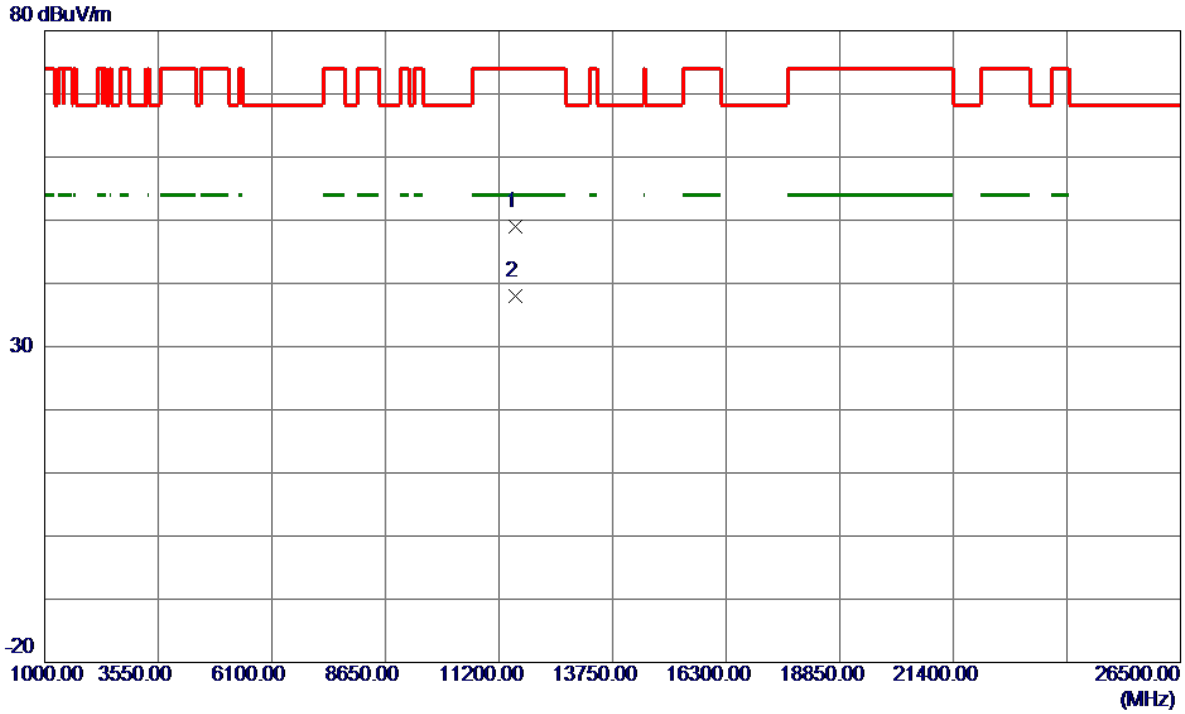
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5783.7000	91.93	15.56	107.49	122.20	-14.71	Peak	No Limit

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

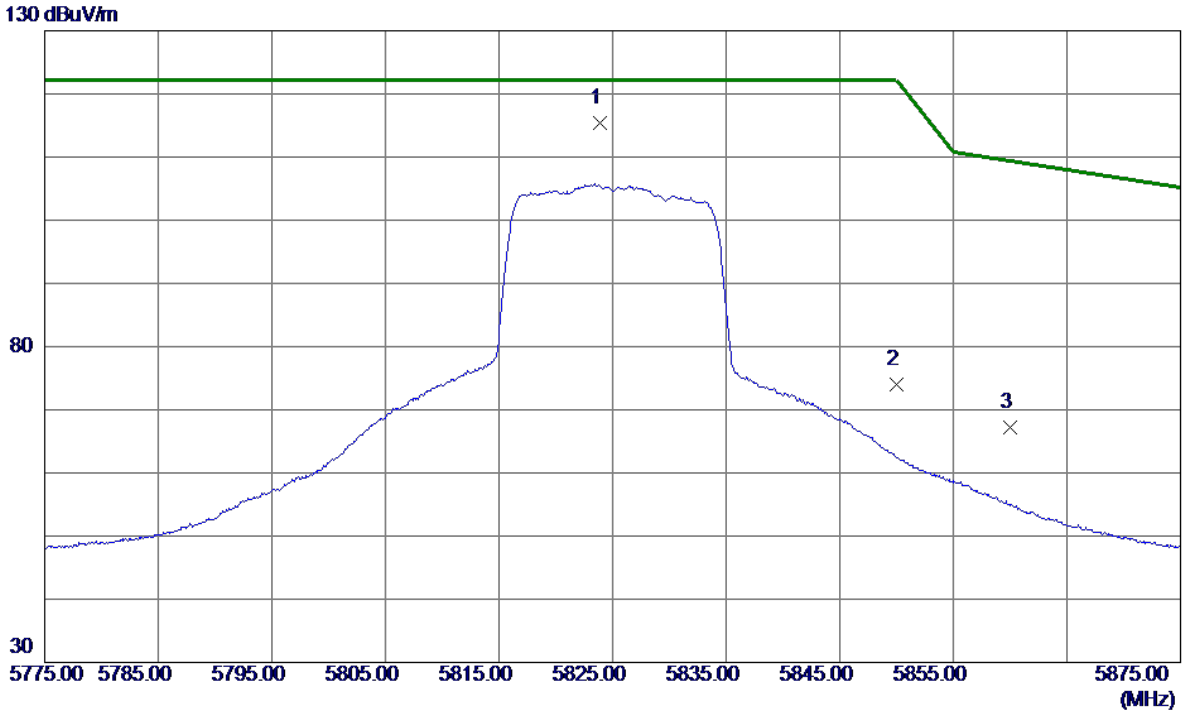
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11557.5250	37.31	11.75	49.06	74.00	-24.94	Peak	
2 *	11569.0750	26.25	11.76	38.01	54.00	-15.99	AVG	

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

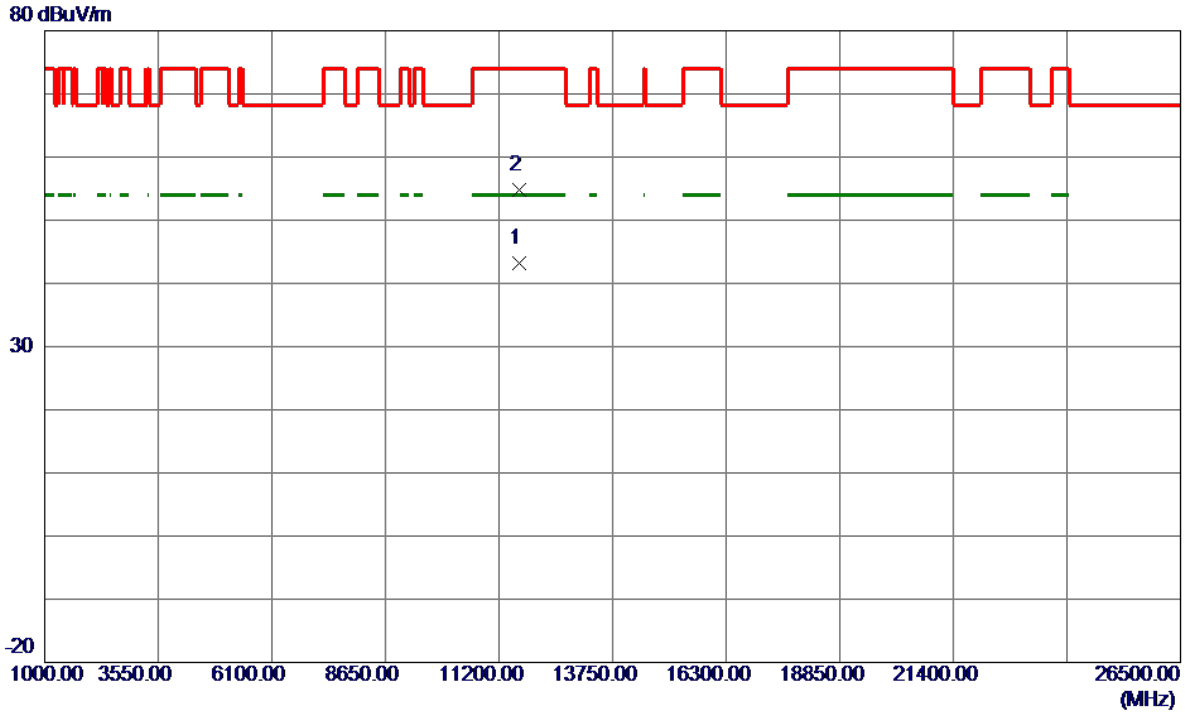
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5823.9000	99.73	15.62	115.35	122.20	-6.85	Peak	No Limit
2	5850.0000	58.32	15.66	73.98	122.20	-48.22	Peak	
3	5860.0000	51.62	15.67	67.29	109.40	-42.11	Peak	

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

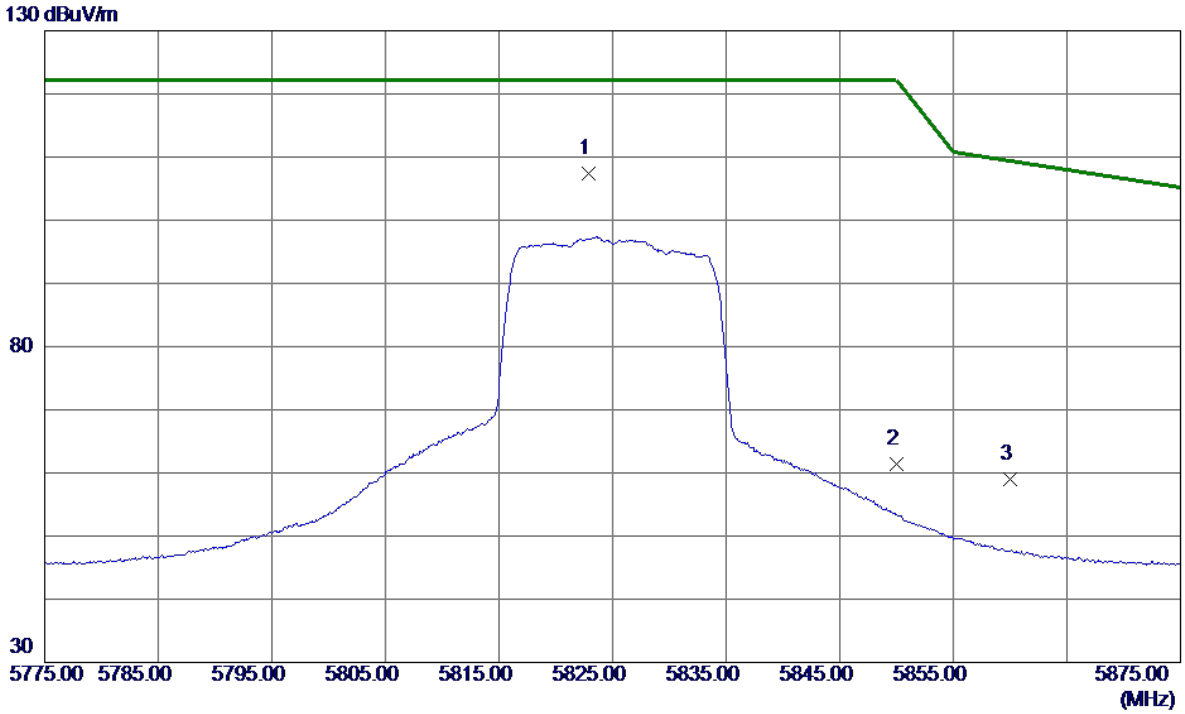
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11648.4000	31.25	11.86	43.11	54.00	-10.89	AVG	
2	11650.7500	43.00	11.86	54.86	74.00	-19.14	Peak	

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

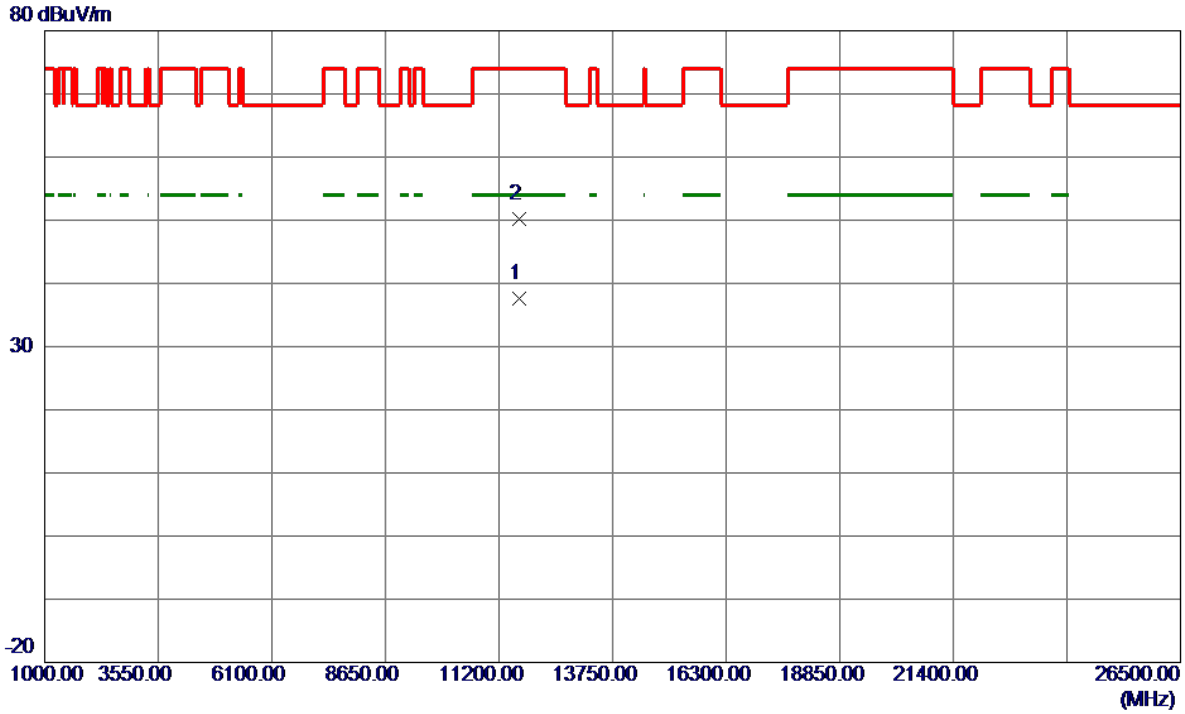
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5822.8500	91.82	15.62	107.44	122.20	-14.76	Peak	No Limit
2	5850.0000	45.66	15.66	61.32	122.20	-60.88	Peak	
3	5860.0000	43.37	15.67	59.04	109.40	-50.36	Peak	

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

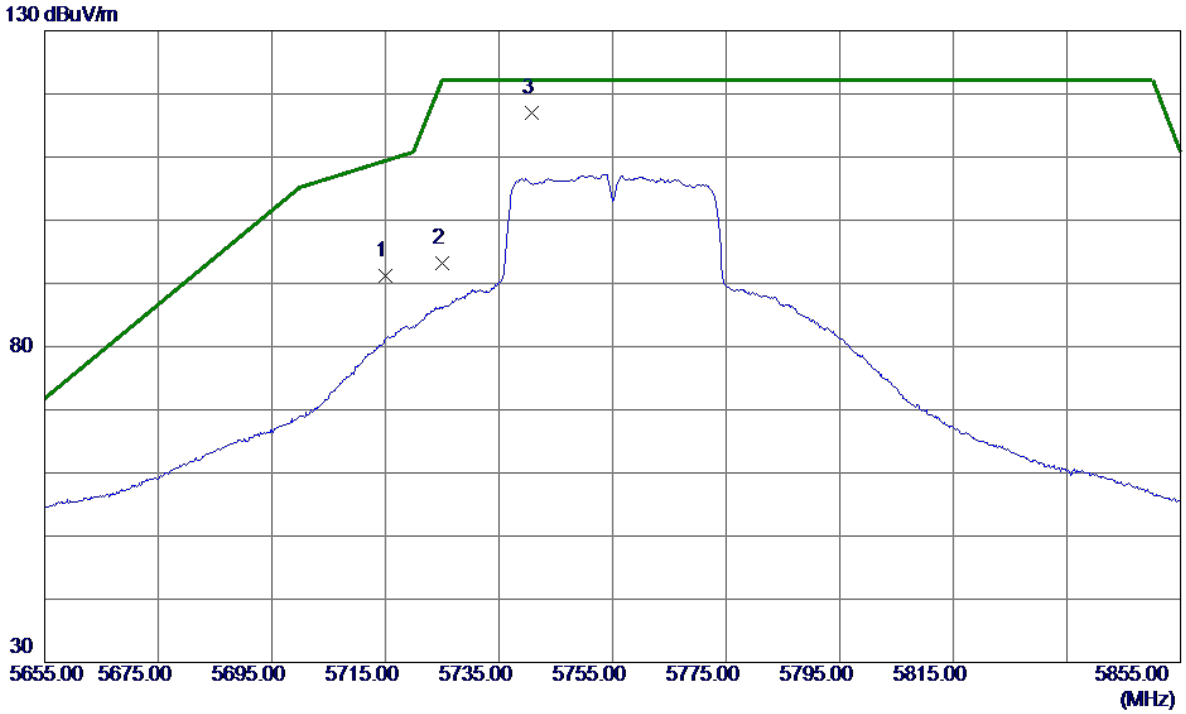
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11648.6750	25.68	11.86	37.54	54.00	-16.46	AVG	
2	11660.4000	38.34	11.87	50.21	74.00	-23.79	Peak	

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

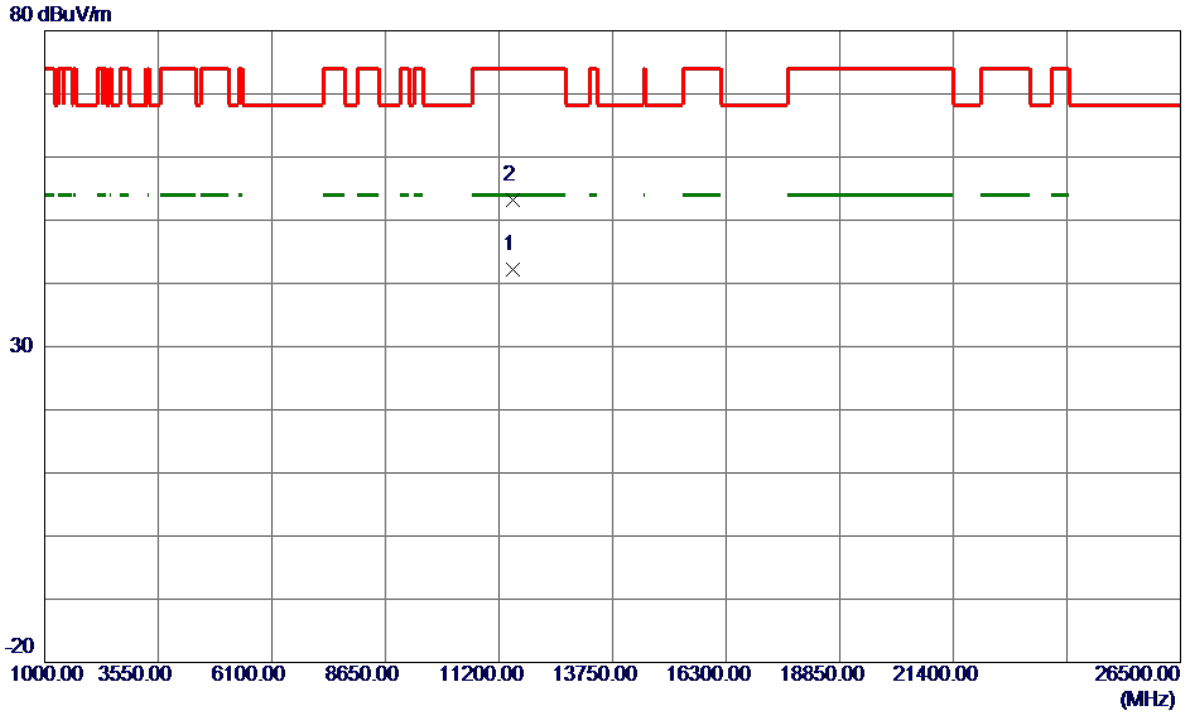
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	75.80	15.47	91.27	109.40	-18.13	Peak	
2	5725.0000	77.78	15.48	93.26	122.20	-28.94	Peak	
3 *	5740.7000	101.50	15.50	117.00	122.20	-5.20	Peak	No Limit

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

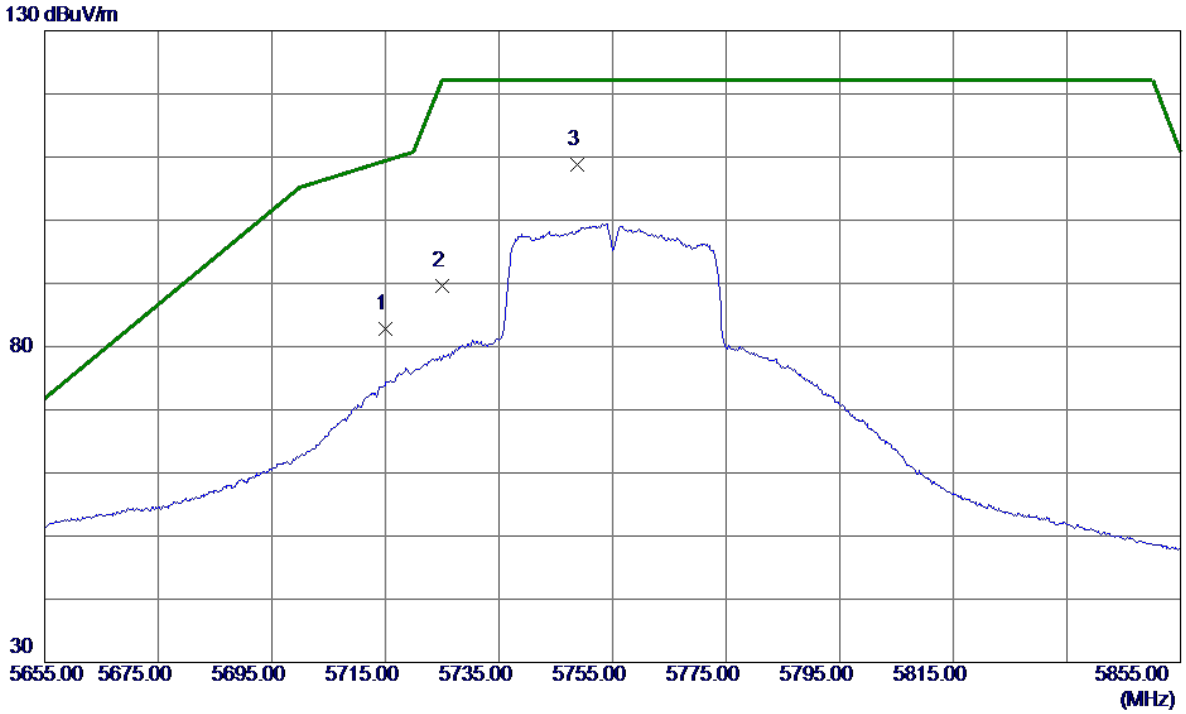
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11510.4000	30.51	11.69	42.20	54.00	-11.80	AVG	
2	11516.1000	41.46	11.70	53.16	74.00	-20.84	Peak	

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

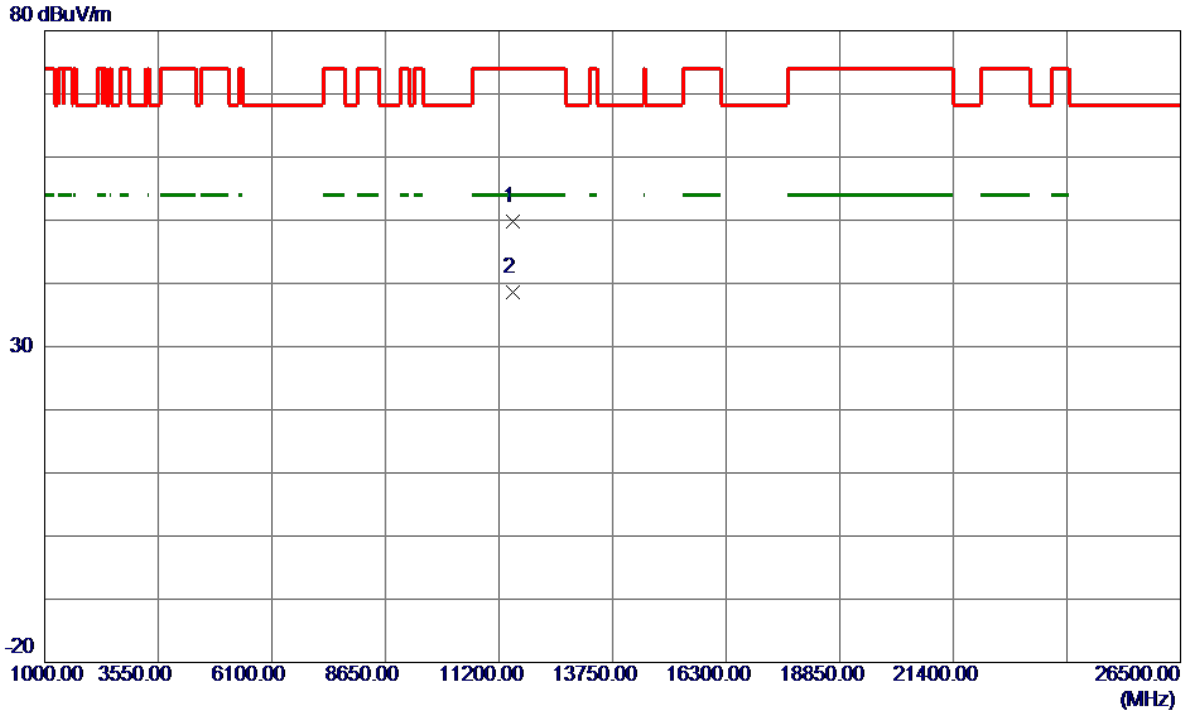
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	67.34	15.47	82.81	109.40	-26.59	Peak	
2	5725.0000	74.17	15.48	89.65	122.20	-32.55	Peak	
3 *	5748.8000	93.33	15.51	108.84	122.20	-13.36	Peak	No Limit

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

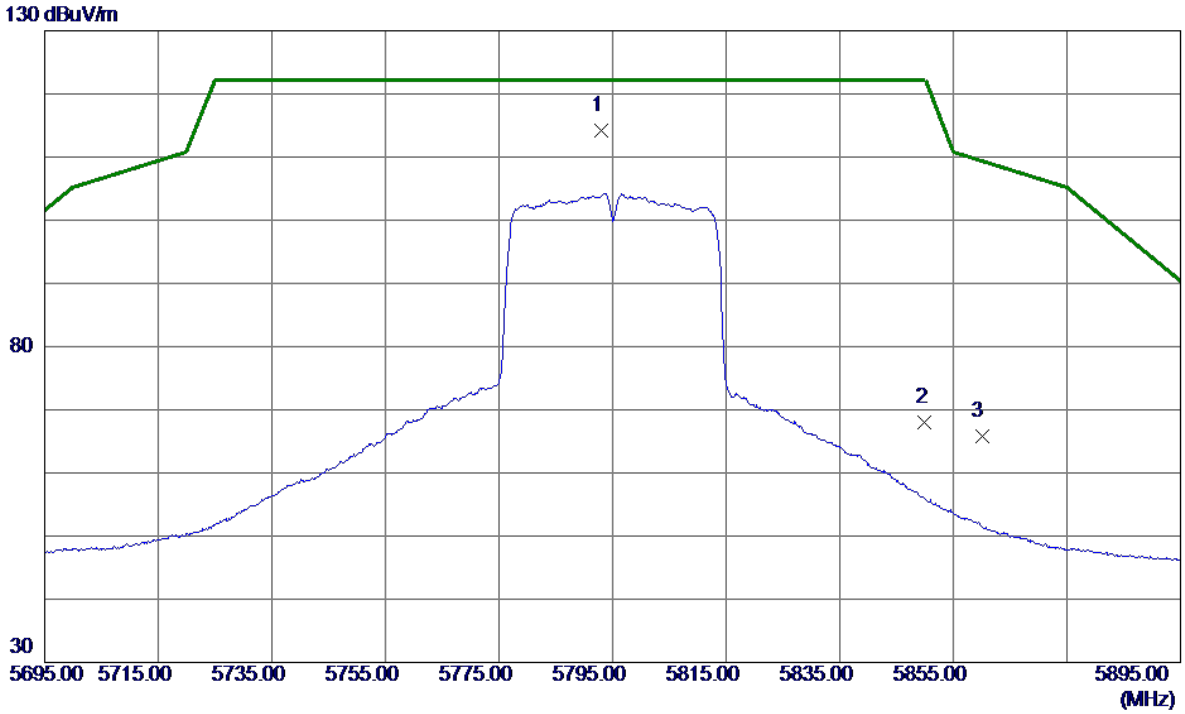
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11509.3000	38.20	11.69	49.89	74.00	-24.11	Peak	
2 *	11510.0500	26.85	11.69	38.54	54.00	-15.46	AVG	

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

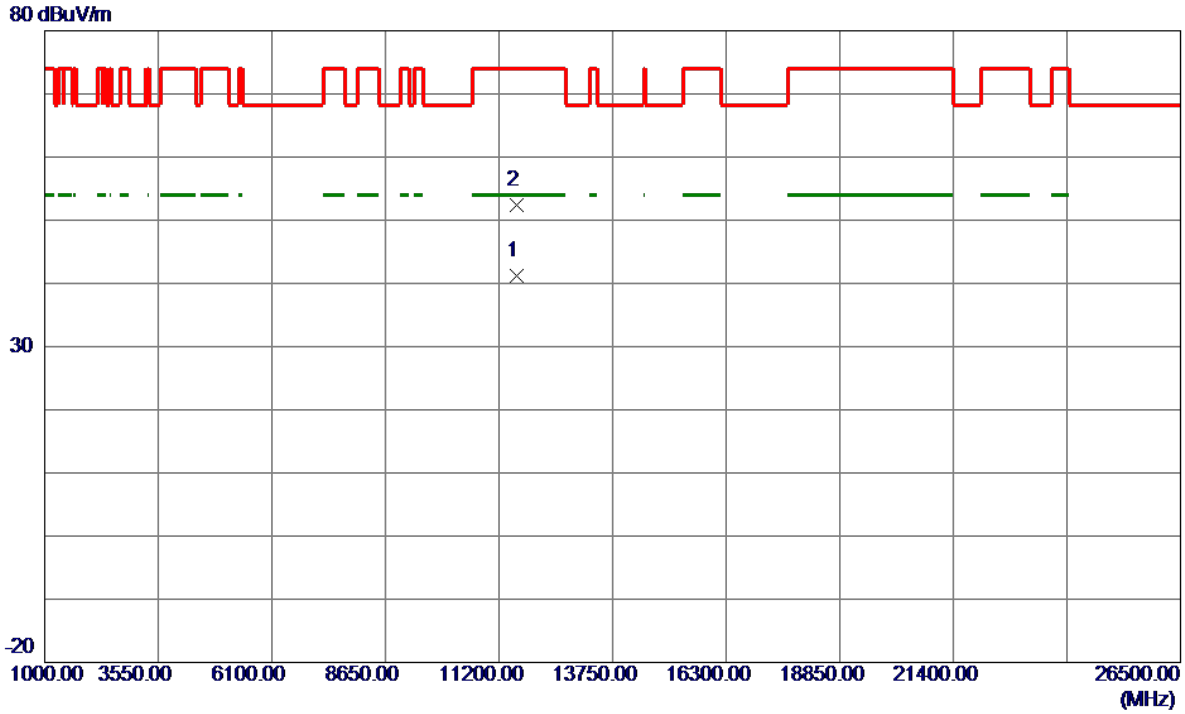
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5792.9000	98.54	15.58	114.12	122.20	-8.08	Peak	No Limit
2	5850.0000	52.38	15.66	68.04	122.20	-54.16	Peak	
3	5860.0000	50.10	15.67	65.77	109.40	-43.63	Peak	

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

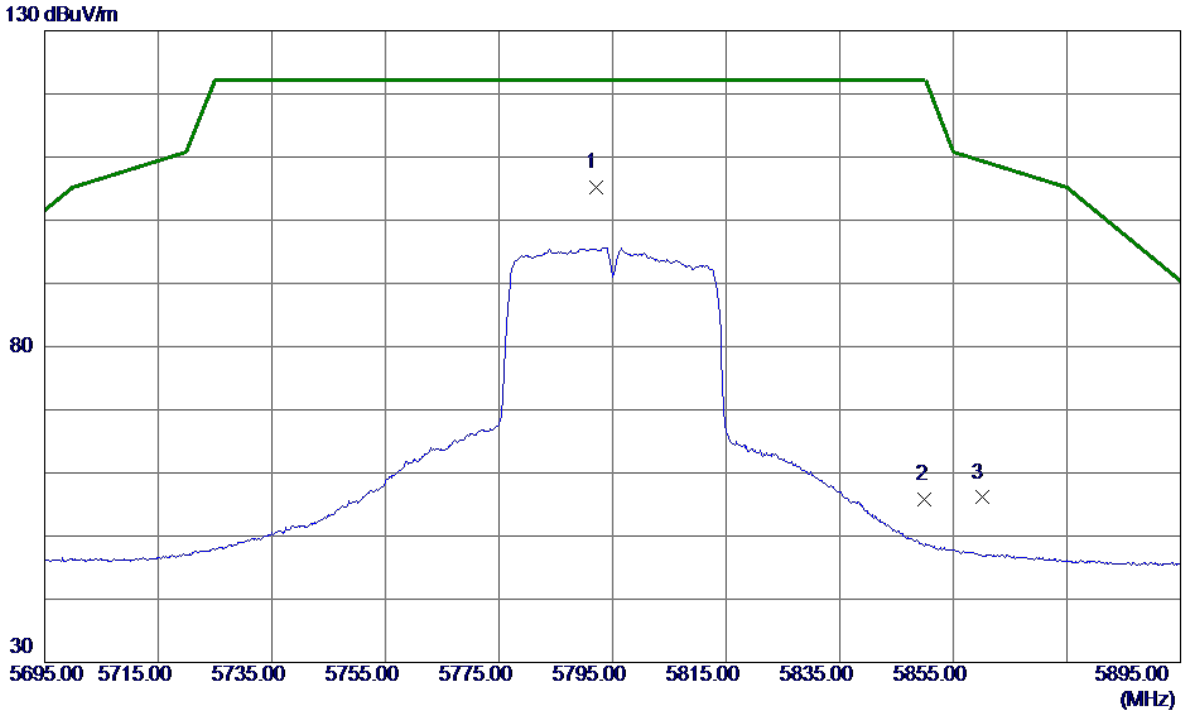
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11590.2000	29.33	11.79	41.12	54.00	-12.88	AVG	
2	11597.6000	40.65	11.80	52.45	74.00	-21.55	Peak	

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

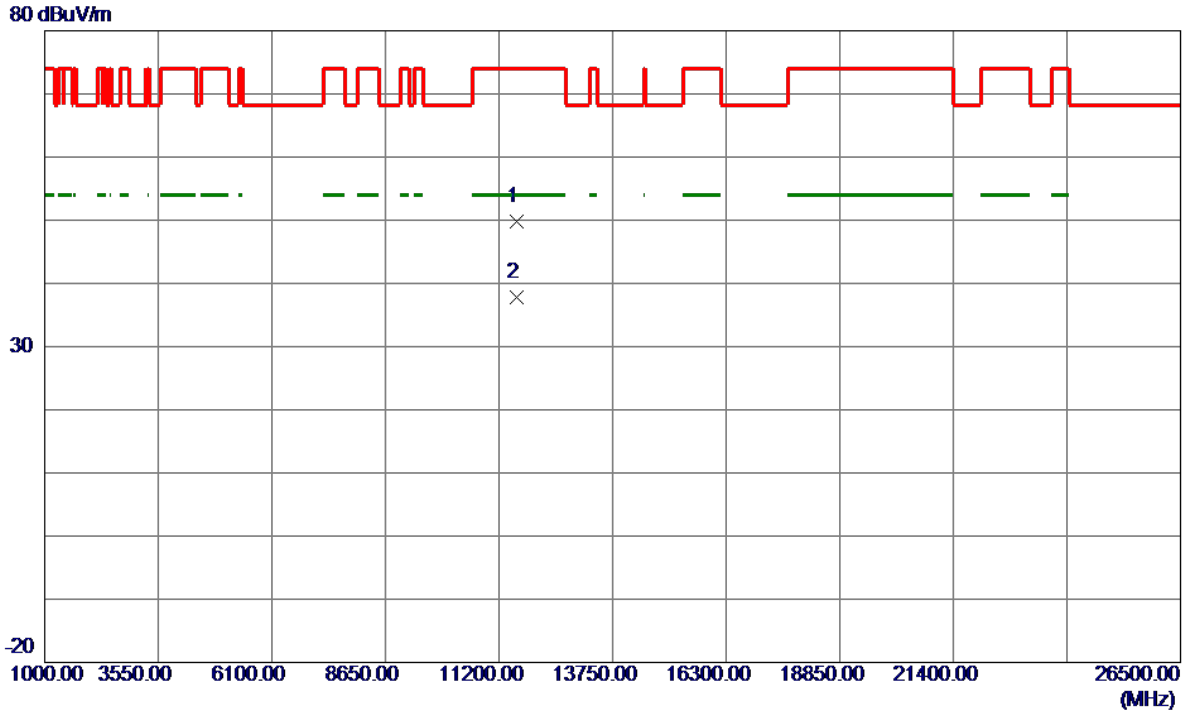
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5792.0000	89.57	15.57	105.14	122.20	-17.06	Peak	No Limit
2	5850.0000	40.23	15.66	55.89	122.20	-66.31	Peak	
3	5860.0000	40.43	15.67	56.10	109.40	-53.30	Peak	

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

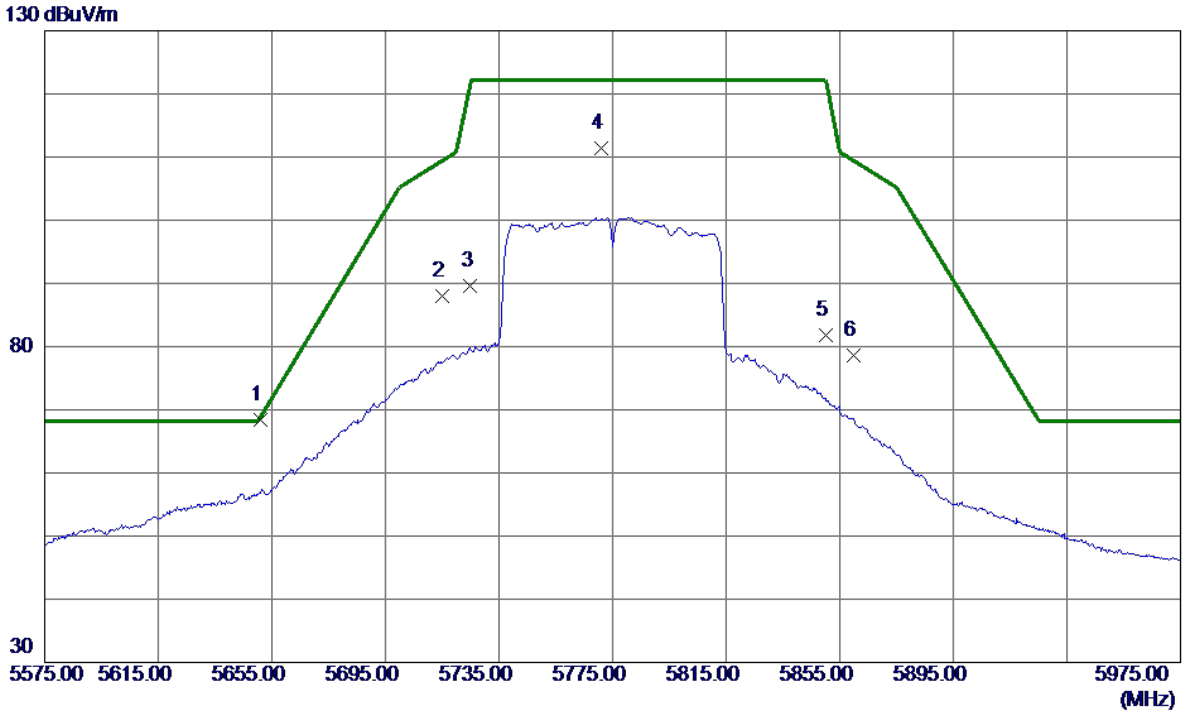
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.2000	37.95	11.79	49.74	74.00	-24.26	Peak	
2 *	11590.9000	25.95	11.79	37.74	54.00	-16.26	AVG	

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

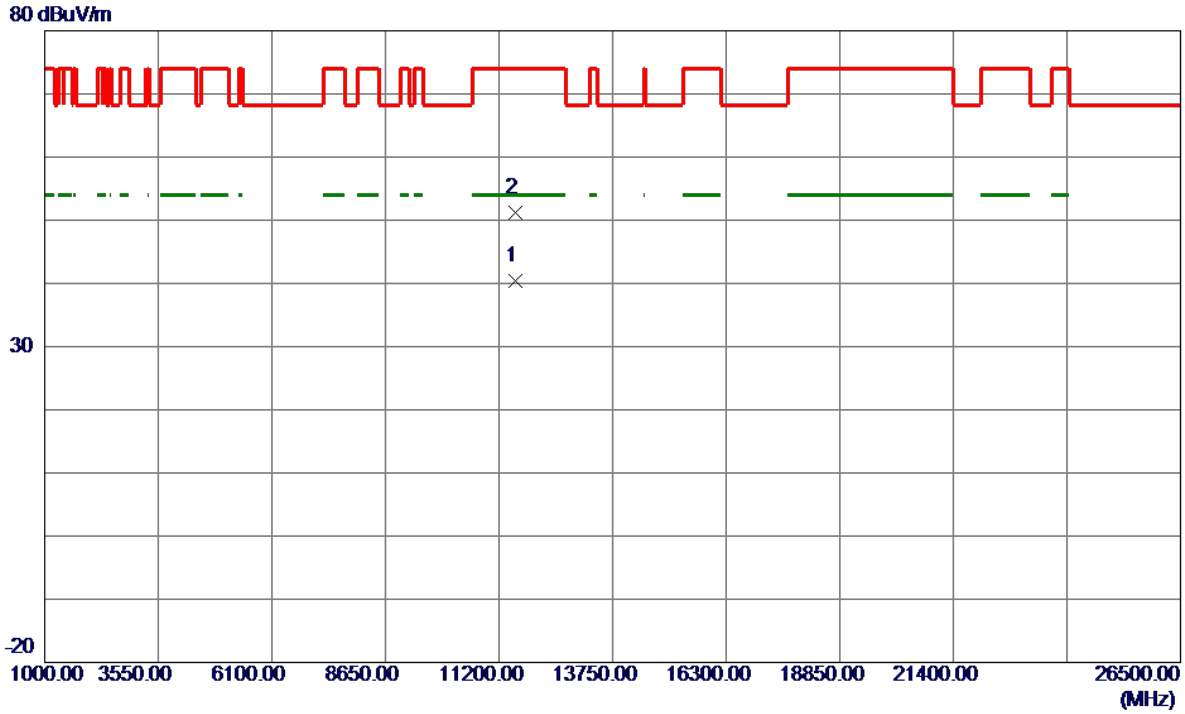
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5651.0000	52.97	15.37	68.34	68.94	-0.60	Peak	
2	5715.0000	72.59	15.47	88.06	109.40	-21.34	Peak	
3	5725.0000	74.06	15.48	89.54	122.20	-32.66	Peak	
4	5771.0000	95.80	15.54	111.34	122.20	-10.86	Peak	No Limit
5	5850.0000	66.21	15.66	81.87	122.20	-40.33	Peak	
6	5860.0000	62.94	15.67	78.61	109.40	-30.79	Peak	

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

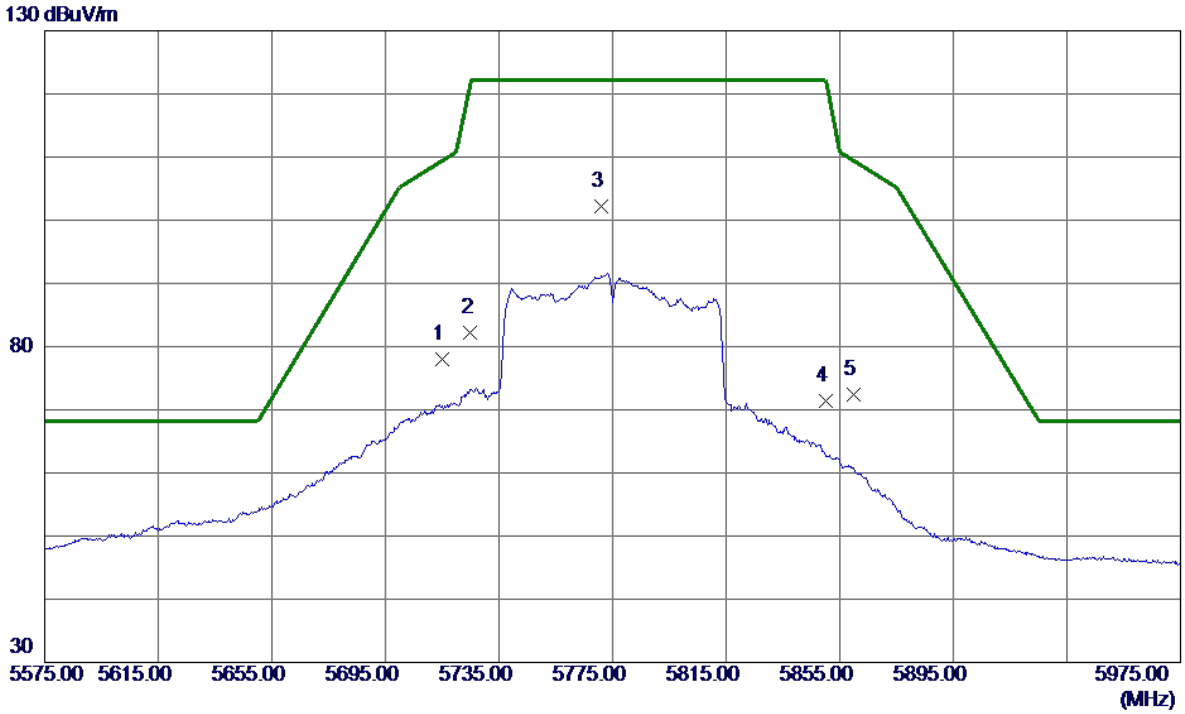
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11556.6000	28.65	11.75	40.40	54.00	-13.60	AVG	
2	11566.7000	39.49	11.76	51.25	74.00	-22.75	Peak	

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

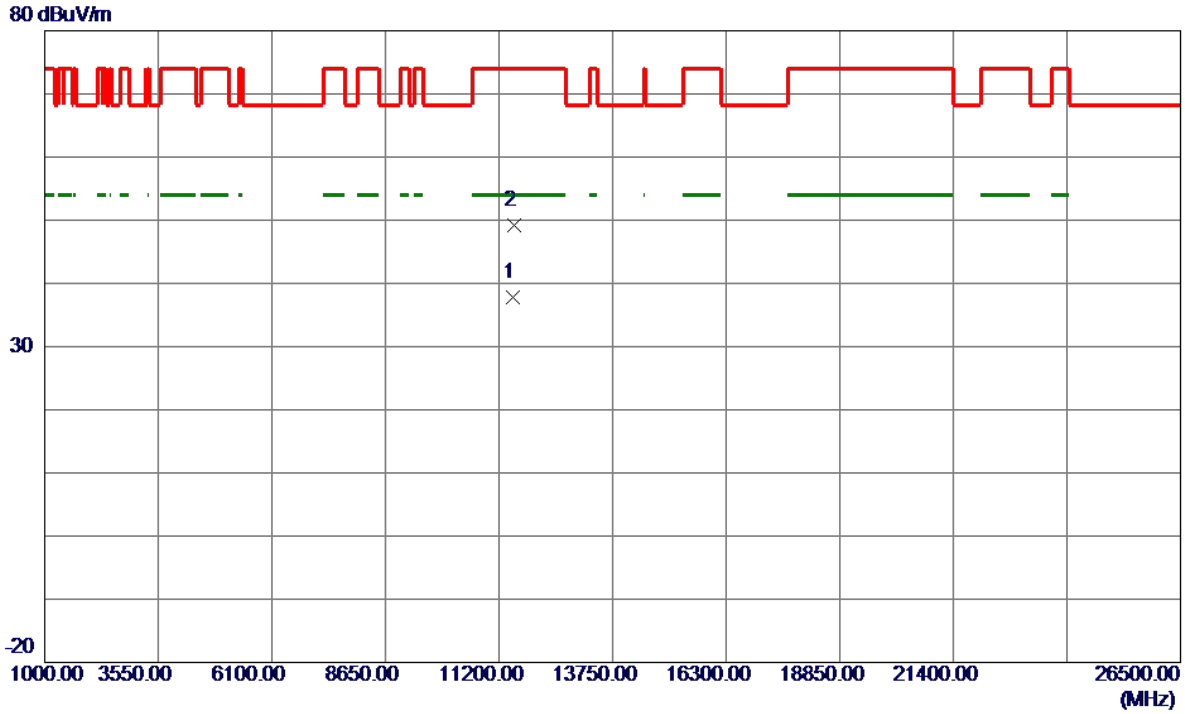
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	62.57	15.47	78.04	109.40	-31.36	Peak	
2	5725.0000	66.81	15.48	82.29	122.20	-39.91	Peak	
3 *	5770.8000	86.57	15.54	102.11	122.20	-20.09	Peak	No Limit
4	5850.0000	55.82	15.66	71.48	122.20	-50.72	Peak	
5	5860.0000	56.69	15.67	72.36	109.40	-37.04	Peak	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11519.4000	26.14	11.70	37.84	54.00	-16.16	AVG	
2	11542.0000	37.38	11.73	49.11	74.00	-24.89	Peak	

TX A Mode_DUTY CYCLE

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

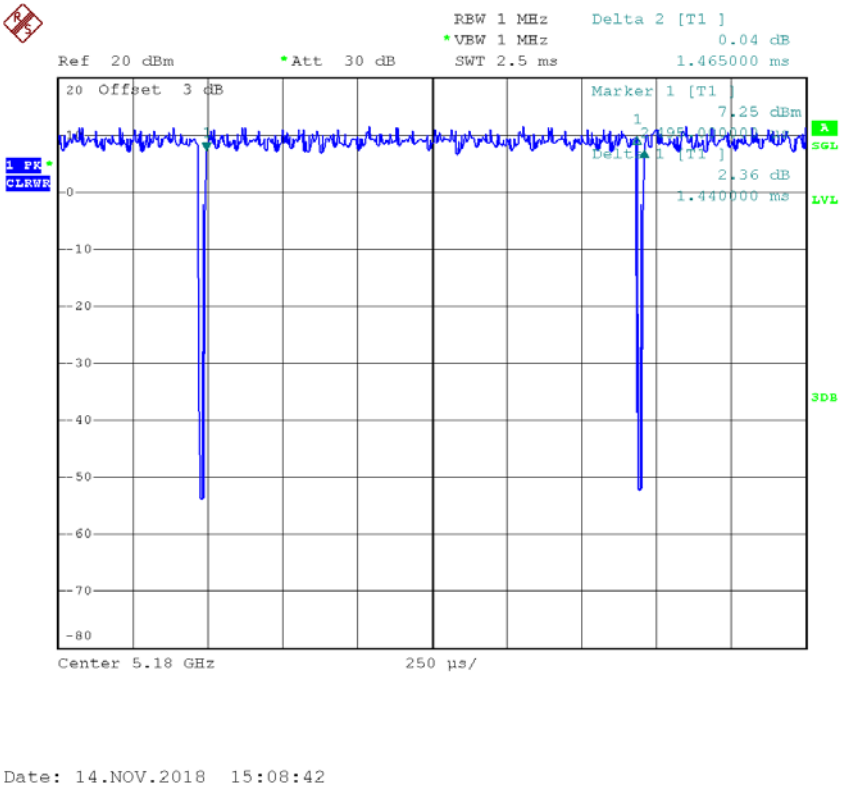
T_{ON}: 1.440 msec

T_{Total}: 1.465 msec

Duty cycle: 98.29%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



Note: The duty cycle is ≥ 98 % no need to calculated as Duty Factor.

TX N20 Mode_DUTY CYCLE

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

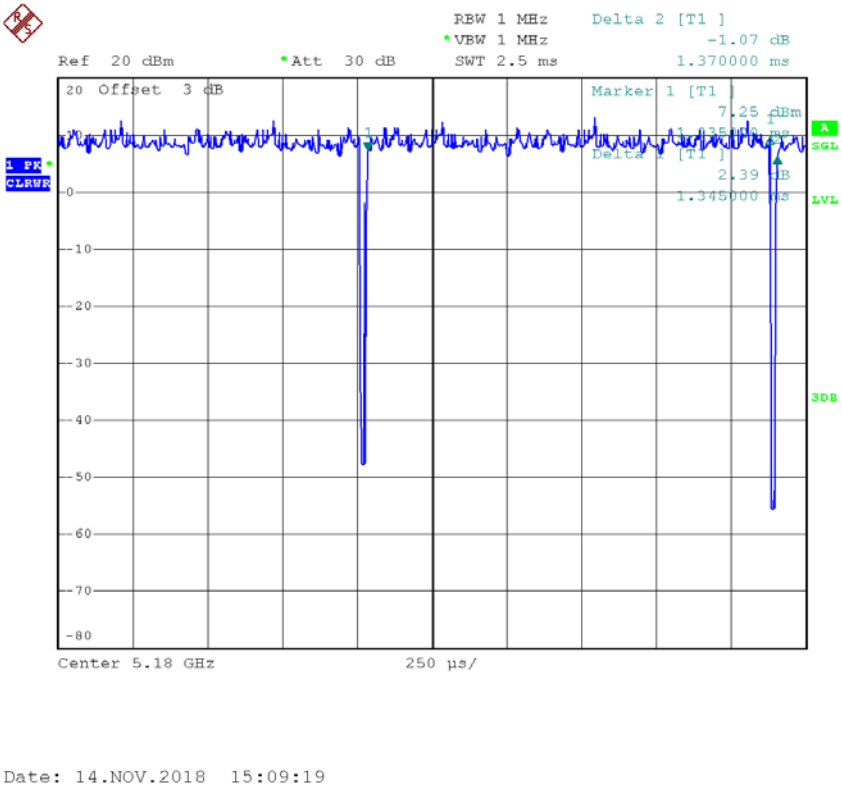
T_{ON}: 1.345 msec

T_{Total}: 1.370 msec

Duty cycle: 98.18%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



Note: The duty cycle is ≥ 98 % no need to calculated as Duty Factor.

TX N40 Mode_DUTY CYCLE

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

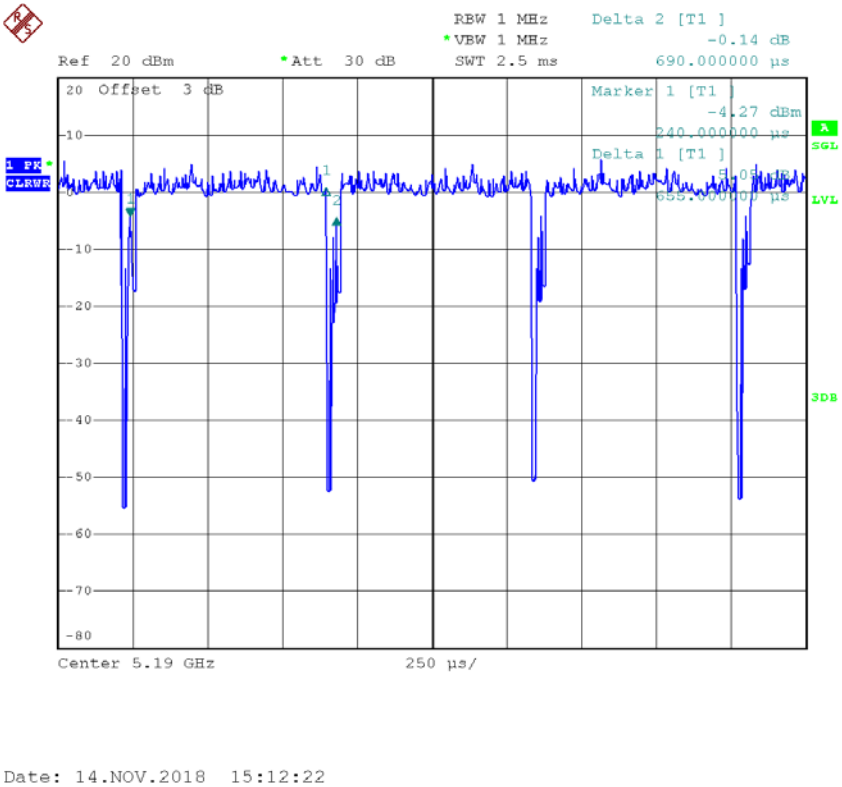
T_{ON}: 0.655 msec

T_{Total}: 0.690 msec

Duty cycle: 94.93%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.23



Note: The EUT was programmed to be in continually transmitting mode and the transmit duty cycle < 98 %, so, the output power and power density should be calculated as

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor