FCC Radio Test Report

FCC ID: 2ADZRG240W-C

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

Project No.	:	1712C022
Equipment	:	GPON ONU
Test Model	:	G-240W-C
Series Model	:	N/A
Applicant	:	Nokia Shanghai Bell Co., Ltd.
Address	:	No.388, Ningqiao Rd. Pilot Free Trade Zone Shanghai China

Date of Receipt	:	Dec. 05, 2017
Date of Test	:	Dec. 20, 2017 ~ Mar. 04, 2018
Issued Date	:	Apr. 02, 2018
Tested by	:	BTL Inc.

Testing Engineer : Jivey Jiang
(Jivey Jiang)

Technical Manager : Shawn Xiao
(Shawn Xiao)

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(David Mao)

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NVLAP® TESTING NVLAP LAB CODE 200788-0

Declaration

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Limitation

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

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REPORT ISSUED HISTORY

Issued No.	Version	Description	Issued Date
BTL-FCCP-2-1712C022	Rev.01	Original Issue.	Mar. 30, 2018
BTL-FCCP-2-1712C022	Rev.02	The information of applicant and manufacturer are changed.	Apr. 02, 2018

1. CERTIFICATION

Equipment	:	GPON ONU
Brand Name	:	Nokia
Test Model	:	G-240W-C
Series Model	:	N/A
Applicant	:	Nokia Shanghai Bell Co., Ltd.
Manufacturer	:	Nokia Shanghai Bell Co., Ltd.
Address	:	No.388, Ningqiao Rd. Pilot Free Trade Zone Shanghai China
Factory	:	1# Shenzhen Gongjin Electronics Co.,Ltd 2# Taicang T&W Electronics Co.,Ltd
Address	:	1# No 2&3 Buildings, Mingwei Factory Area, Songgang Road West,No. A Building, 1#Songgang Road Songgang Sub-District, Shenzhen, Guangdong, 518105,P.R.China 2# Jiangnan Road 89, Ludu Town, Taicang, Suzhou,Jiangsu, 215412,P.R.China
Date of Test	:	Dec. 20, 2017 ~ Mar. 04, 2018
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part15, Subpart E(15.407) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1712C022) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

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

The BTL measurement uncertainty as below table:

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	GPON ONU	
Brand Name	Nokia	
Test Model	G-240W-C	
Series Model	N/A	
Model Difference	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	1000Mbps
	Output Power (Max.)for UNII-1 - Non-Beamforming	802.11a: 21.73dBm 802.11n (20M): 21.08dBm 802.11n (40M): 23.84dBm 802.11ac (20M): 21.15dBm 802.11ac (40M): 21.44dBm 802.11ac (80M): 19.06dBm
	Output Power (Max.)for UNII-3- Non-Beamforming	802.11a: 15.85dBm 802.11n (20M): 15.78dBm 802.11n (40M): 18.41dBm 802.11ac (20M): 15.77dBm 802.11ac (40M): 20.91dBm 802.11ac (80M): 22.61dBm
	Output Power (Max.)for UNII-1 - Beamforming	802.11ac (20M): 21.15dBm 802.11ac (40M): 21.44dBm 802.11ac (80M): 19.06dBm
	Output Power (Max.)for UNII-3 - Beamforming	802.11ac (20M): 15.77dBm 802.11ac (40M): 20.91dBm 802.11ac (80M): 22.61dBm
Power Source	DC voltage supplied from AC/DC adapter. 1# Manufacturer / Model: Shenzhen SOY Technology Co.,Ltd / SOY-1200300US 2# Manufacturer / Model: Shenzhen SOY Technology Co.,Ltd / SUN-1200300 3# Manufacturer / Model: Mass Power Electronics Co.,Ltd / NBS40C120300M2	
Power Rating	1# I/P: 100-240V~ 50/60Hz 0.9A Max O/P: 12V⎓ 3.0A 2# I/P: 100-240V~ 50/60Hz 1.2A Max O/P: 12V⎓ 3.0A 3# I/P: 100-240V~ 50/60Hz 1.0A O/P: 12V⎓ 3.0A	

Note:

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

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

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

3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	IPEX	2.8
2	N/A	N/A	PCB	IPEX	2.8
3	N/A	N/A	PCB	IPEX	2.8
4	N/A	N/A	PCB	IPEX	2.8

Note:

1. This EUT supports MIMO 4X4, for Beamforming function , Directional gain = G_{ANT}+ Beamforming Gain, that is Directional gain =2.8+6=8.8; So, the UNII-1, UNII-3 output power limit is 30-8.8+6=27.20. The UNII-1 power density limit is 17-8.8+6=14.20, the UNII-3 power density limit is 30-8.8+6=27.20.
2. This EUT supports MIMO 4X4, for Non Beamforming function all transmit signals are completely uncorrelated , so Directional gain=Gant, that is Direction Gain=G_{Ant}+10log(N_{Ant}/Nss) NSS=1, Direction Gain=2.8+10log(4/1)=8.82 So, the UNII-1, UNII-3 output power limit is 30-8.82+6=27.18. The UNII-1 power density limit is 17-8.82+6=14.18, the UNII-3 power density limit is 30-8.82+6=27.18.

4.

Operating Mode / TX Mode	4TX
802.11a	V (ANT+1 ANT 2+ANT 3+ANT 4)
802.11n (20MHz)	V (ANT+1 ANT 2+ANT 3+ANT 4)
802.11n (40MHz)	V (ANT+1 ANT 2+ANT 3+ANT 4)
802.11ac (20MHz)	V (ANT+1 ANT 2+ANT 3+ANT 4)
802.11ac (40MHz)	V (ANT+1 ANT 2+ANT 3+ANT 4)
802.11ac (80MHz)	V (ANT+1 ANT 2+ANT 3+ANT 4)

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

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

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

3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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

UNII-1- Non-Beamforming			
Test Software Version	accessMTool_REL_3_0_0_1		
Frequency (MHz)	5180	5200	5240
A Mode	56	52	52
Frequency (MHz)	5180	5200	5240
N20 Mode	54	52	52
Frequency (MHz)	5190	5230	
N40 Mode	62	54	

UNII-3- Non-Beamforming			
Test Software Version	accessMTool_REL_3_0_0_1		
Frequency (MHz)	5745	5785	5825
A Mode	42	42	40
Frequency (MHz)	5745	5785	5825
N20 Mode	42	42	40
Frequency (MHz)	5755	5795	
N40 Mode	50	48	

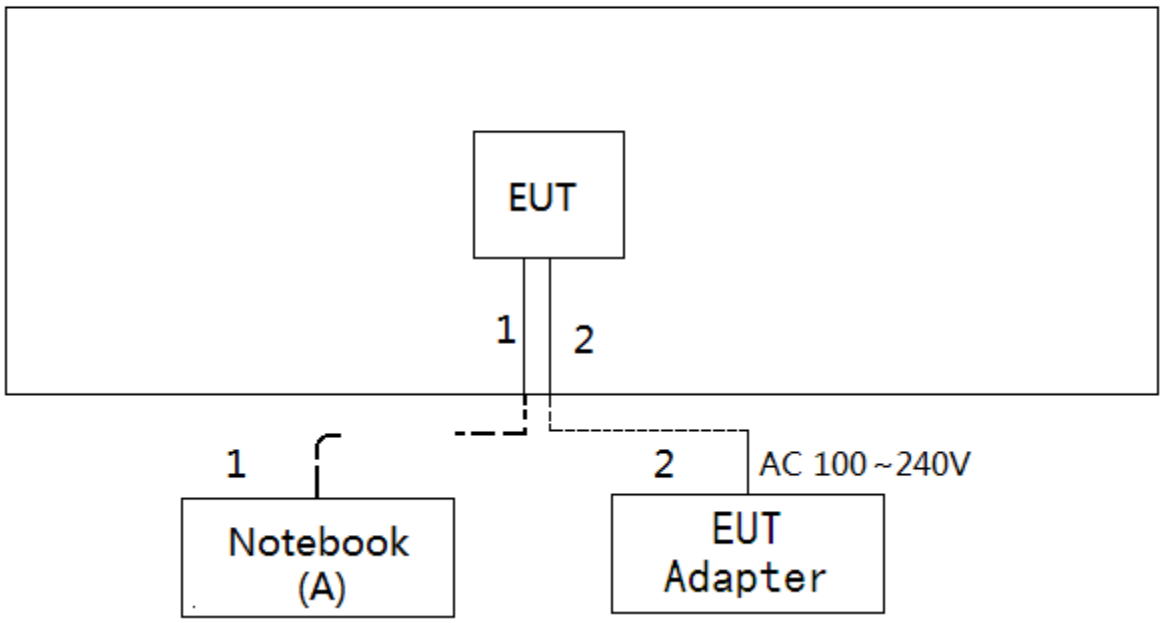
UNII-1- Non-Beamforming			
Test Software Version	accessMTool_REL_3_0_0_1		
Frequency (MHz)	5180	5200	5240
AC20 Mode	54	52	52
Frequency (MHz)	5190	5230	
AC40 Mode	52	42	
Frequency (MHz)	5210		
AC80 Mode	44		

UNII-3- Non-Beamforming			
Test Software Version	accessMTool_REL_3_0_0_1		
Frequency (MHz)	5745	5785	5825
AC20 Mode	42	42	40
Frequency (MHz)	5755	5795	
AC40 Mode	56	48	
Frequency (MHz)	5775		
AC80 Mode	60		

UNII-1- Beamforming			
Test Software Version	accessMTool_REL_3_0_0_1		
Frequency (MHz)	5180	5200	5240
AC20 Mode	54	52	52
Frequency (MHz)	5190	5230	
AC40 Mode	52	42	
Frequency (MHz)	5210		
AC80 Mode	44		

UNII-3- Beamforming			
Test Software Version	accessMTool_REL_3_0_0_1		
Frequency (MHz)	5745	5785	5825
AC20 Mode	42	42	40
Frequency (MHz)	5755	5795	
AC40 Mode	56	48	
Frequency (MHz)	5775		
AC80 Mode	60		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

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

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

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

4.1.2 TEST PROCEDURE

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

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

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

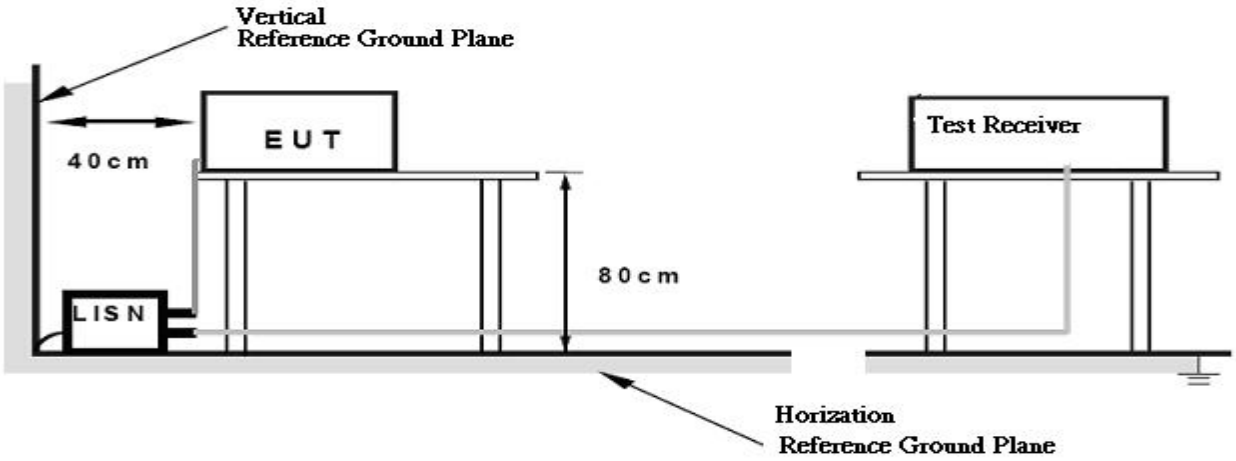
d. LISN at least 80 cm from nearest part of EUT chassis.

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Appendix A.

Remark:

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

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

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

Note:

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

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

4.2.2 TEST PROCEDURE

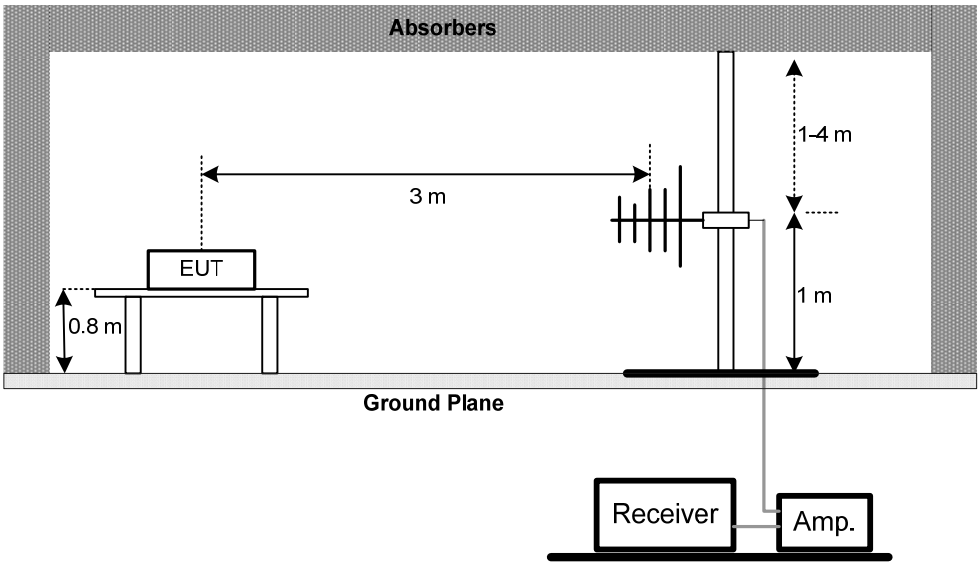
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

4.2.3 DEVIATION FROM TEST STANDARD

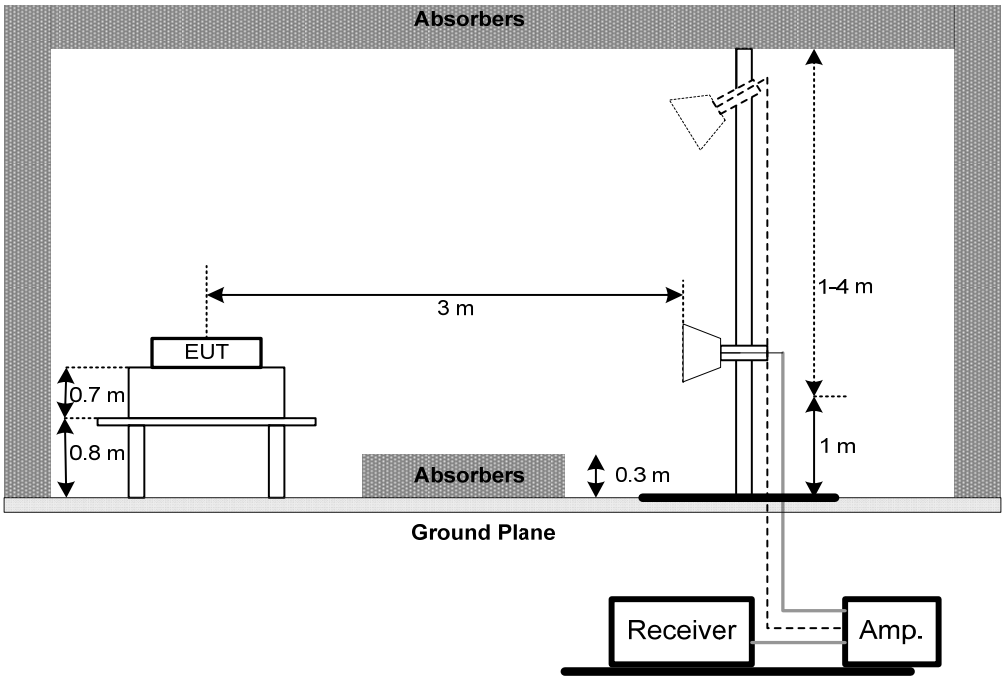
No deviation

4.2.4 TEST SETUP

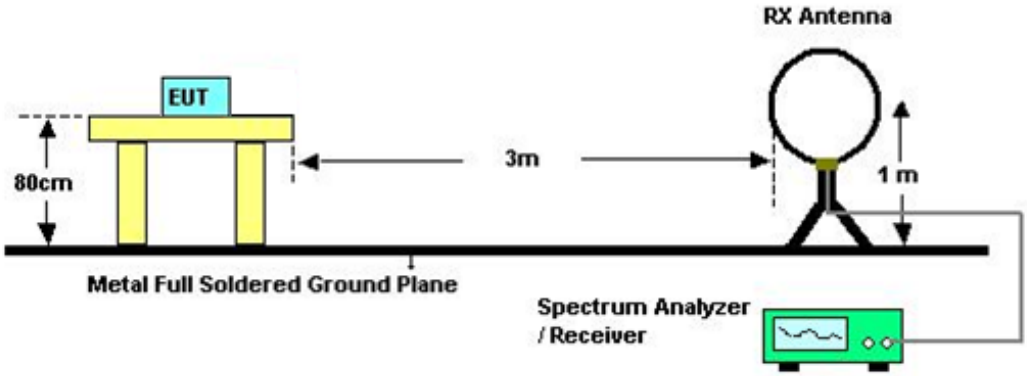
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



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



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Appendix B

Remark:

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

4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHz)

Please refer to the Appendix C.

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Appendix D.

Remark:

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

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

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

5.1.1 TEST PROCEDURE

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

b.

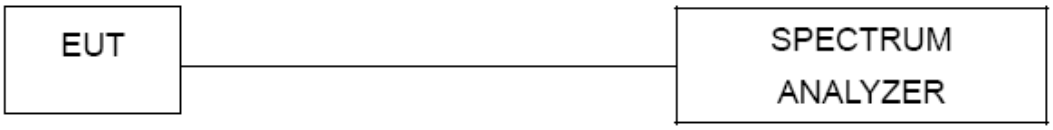
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz(Bandwidth 20MHz) 1MHz(Bandwidth 40MHz and 80MHz)
VBW	1MHz(Bandwidth 20MHz) 3MHz(Bandwidth 40MHz and 80MHz)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Appendix E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

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

b.

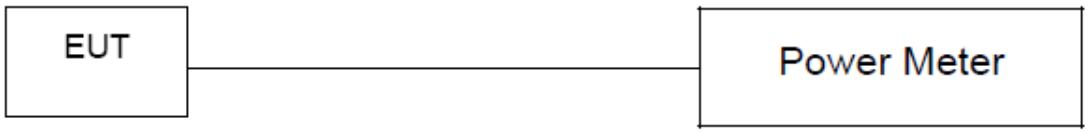
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Appendix F.

7. POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

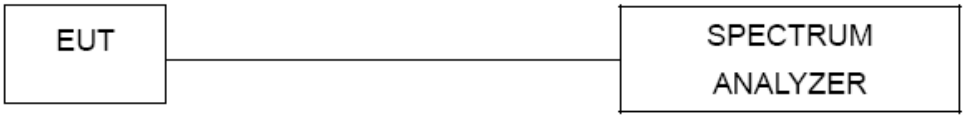
Note:

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

7.1.1 DEVIATION FROM STANDARD

No deviation.

7.1.2 TEST SETUP



7.1.3 EUT OPERATION CONDITIONS

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

7.1.4 EUT TEST CONDITIONS

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

7.1.5 TEST RESULTS

Please refer to the Appendix H.

8. FREQUENCY STABILITY MEASUREMENT

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

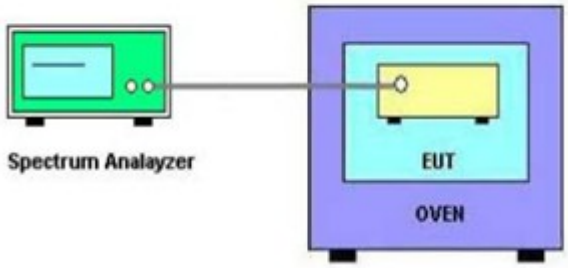
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is 0°C~55°C.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Appendix I.

9. MEASUREMENT INSTRUMENTS LIST

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

Radiated Emission Below 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 19, 2018
3	Receiver	Agilent	N9038A	MY52130039	Aug. 20, 2018
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	Jun. 26, 2018
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Antenna	EM	EM-6876-1	230	Mar. 06, 2018

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

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

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

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

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

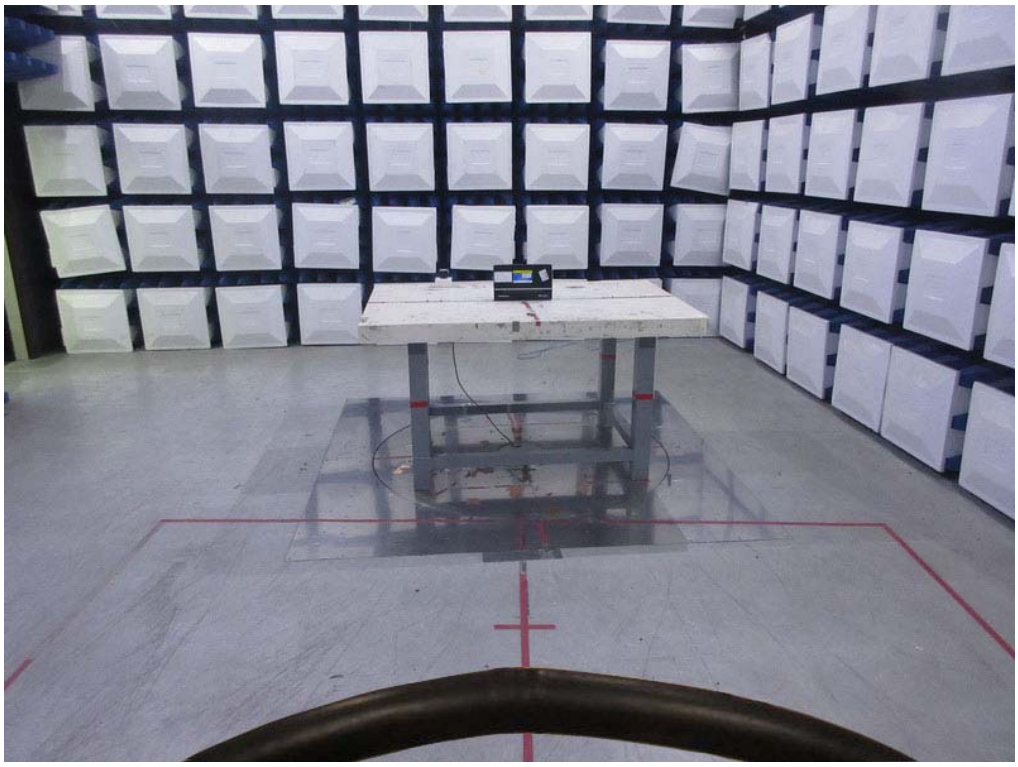
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

10. EUT TEST PHOTOS

Conducted Measurement Photos

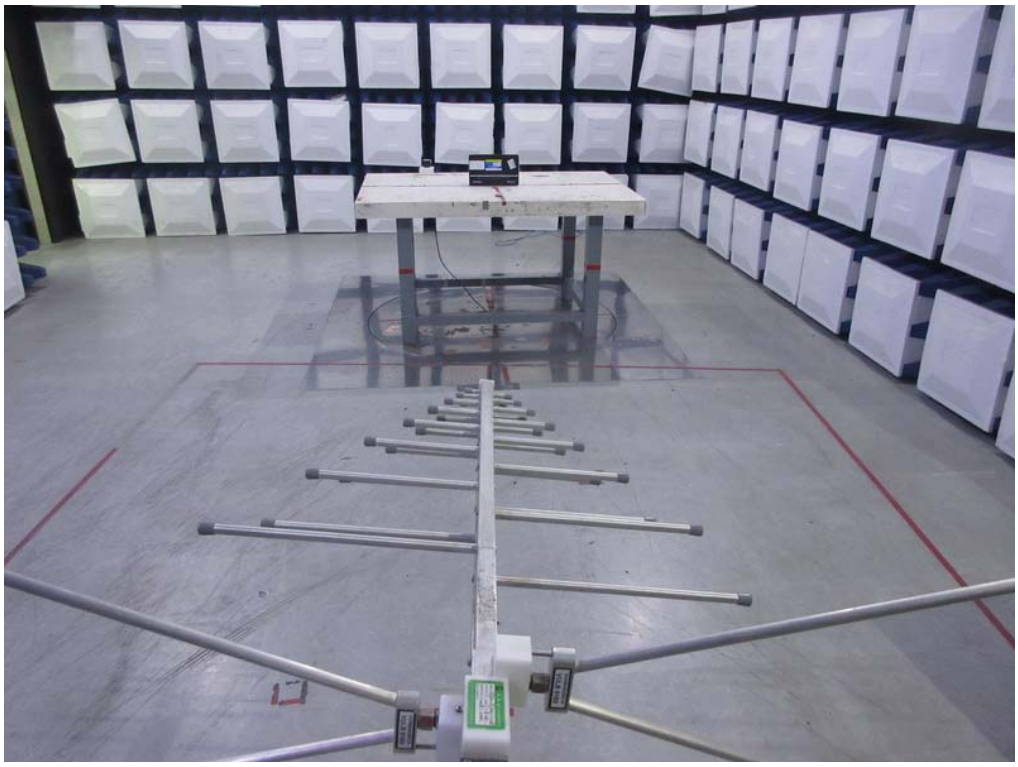
Radiated Measurement Photos

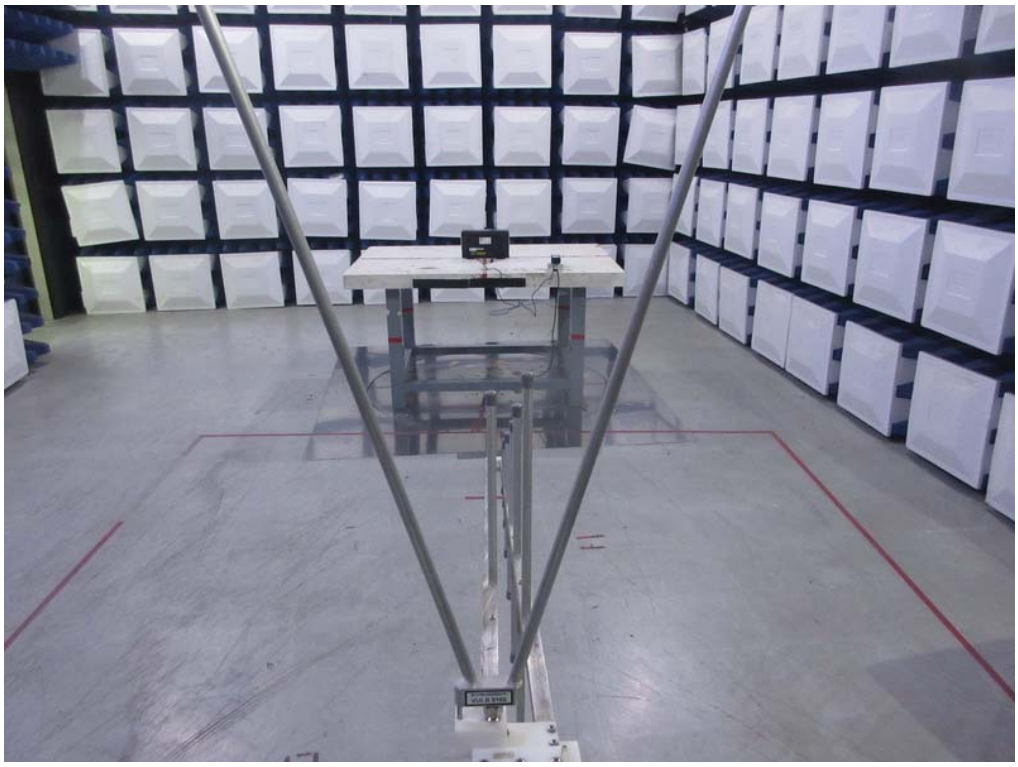
9kHz to 30MHz



Radiated Measurement Photos

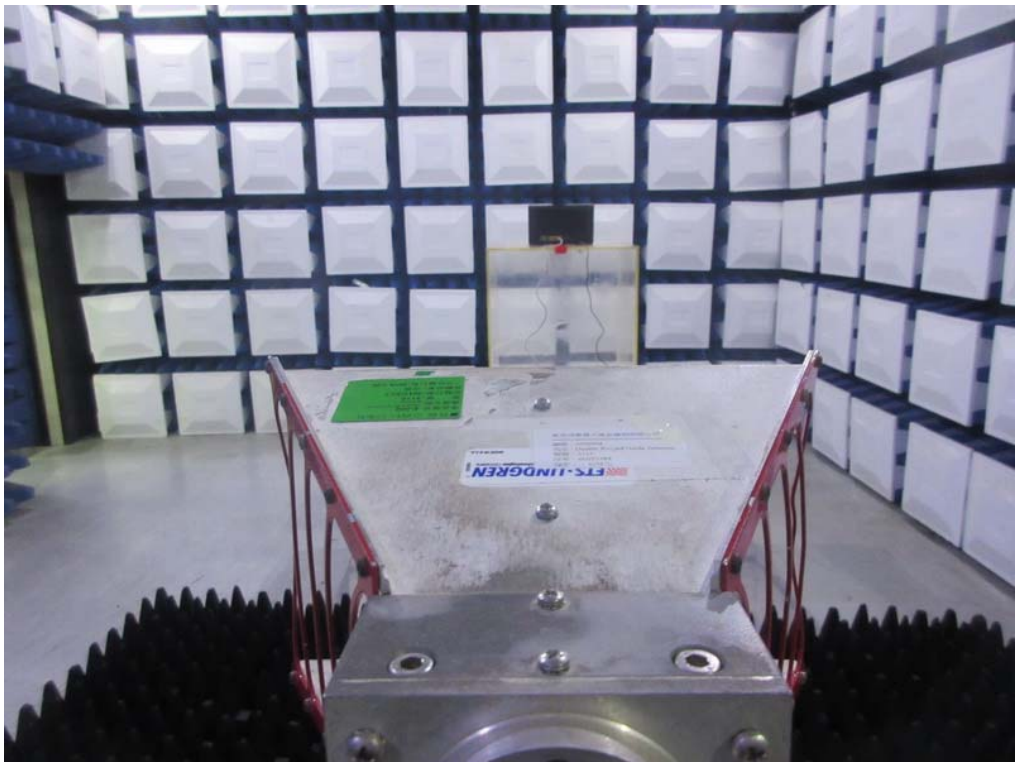
30MHz to 1000MHz





Radiated Measurement Photos

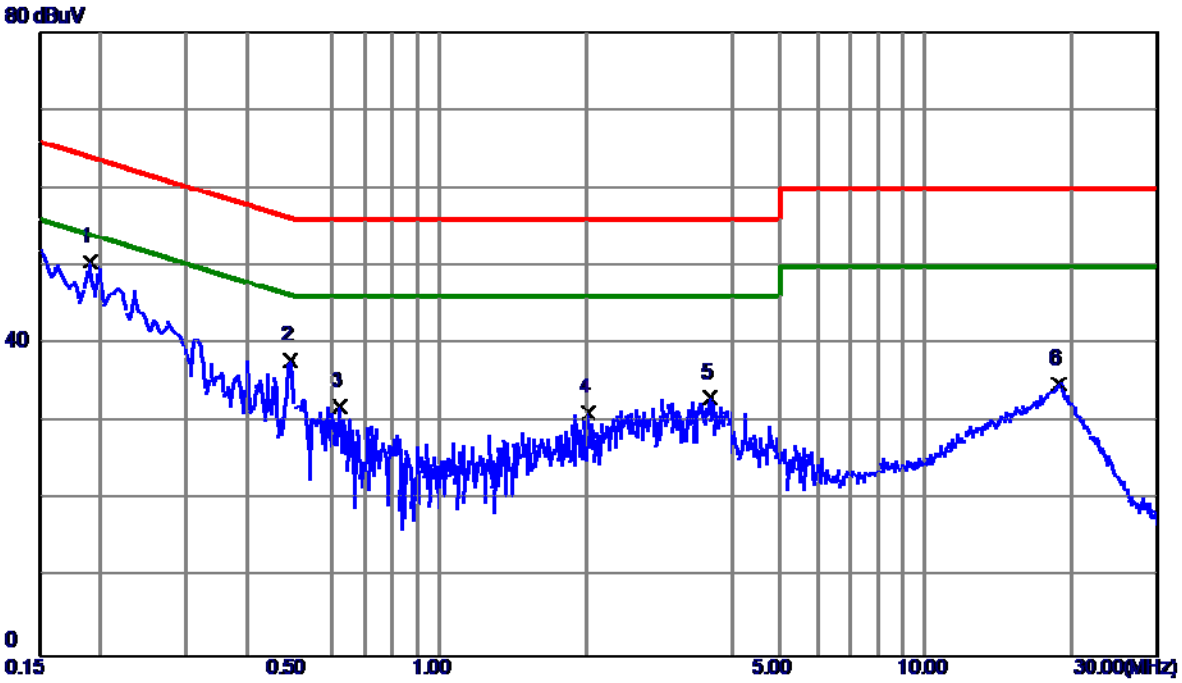
Above 1000MHz



APPENDIX A - CONDUCTED EMISSION

Test Mode :	Normal Link_ Adapter: SUN-1200300

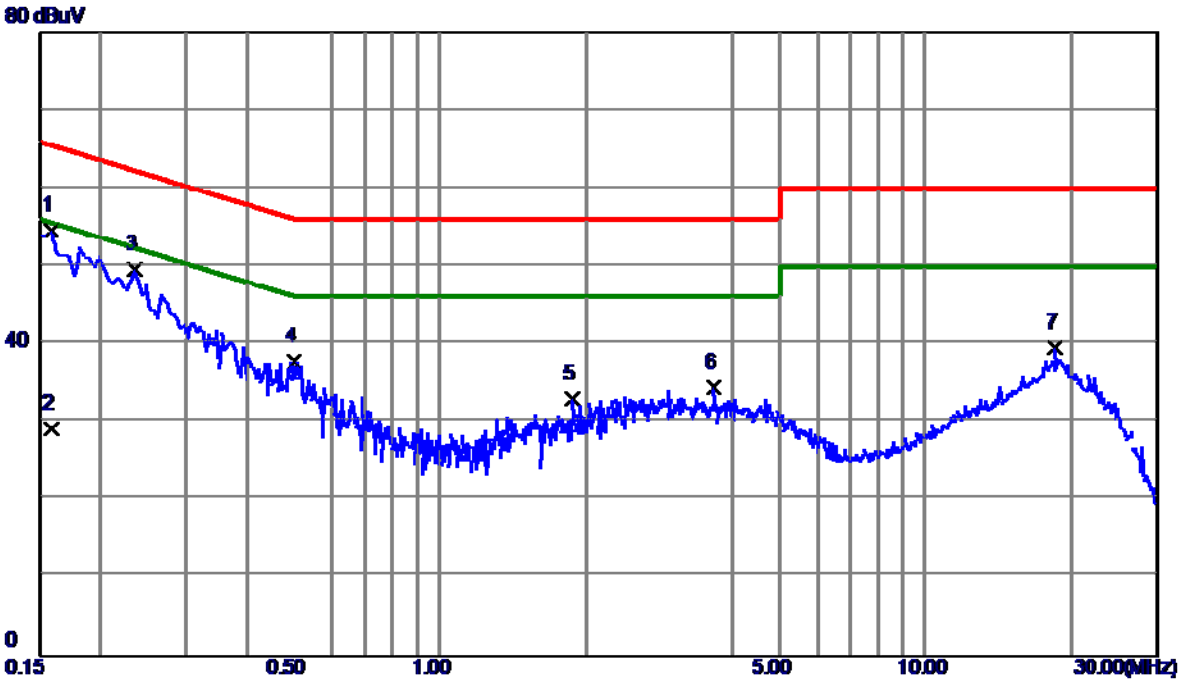
Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1905	40.83	9.70	50.53	64.01	-13.48	Peak	
2	0.4920	28.15	9.71	37.86	56.13	-18.27	Peak	
3	0.6225	22.26	9.71	31.97	56.00	-24.03	Peak	
4	2.0264	21.54	9.71	31.25	56.00	-24.75	Peak	
5	3.6015	23.45	9.73	33.18	56.00	-22.82	Peak	
6	18.8564	24.88	9.96	34.84	60.00	-25.16	Peak	

Test Mode :	Normal Link_ Adapter: SUN-1200300

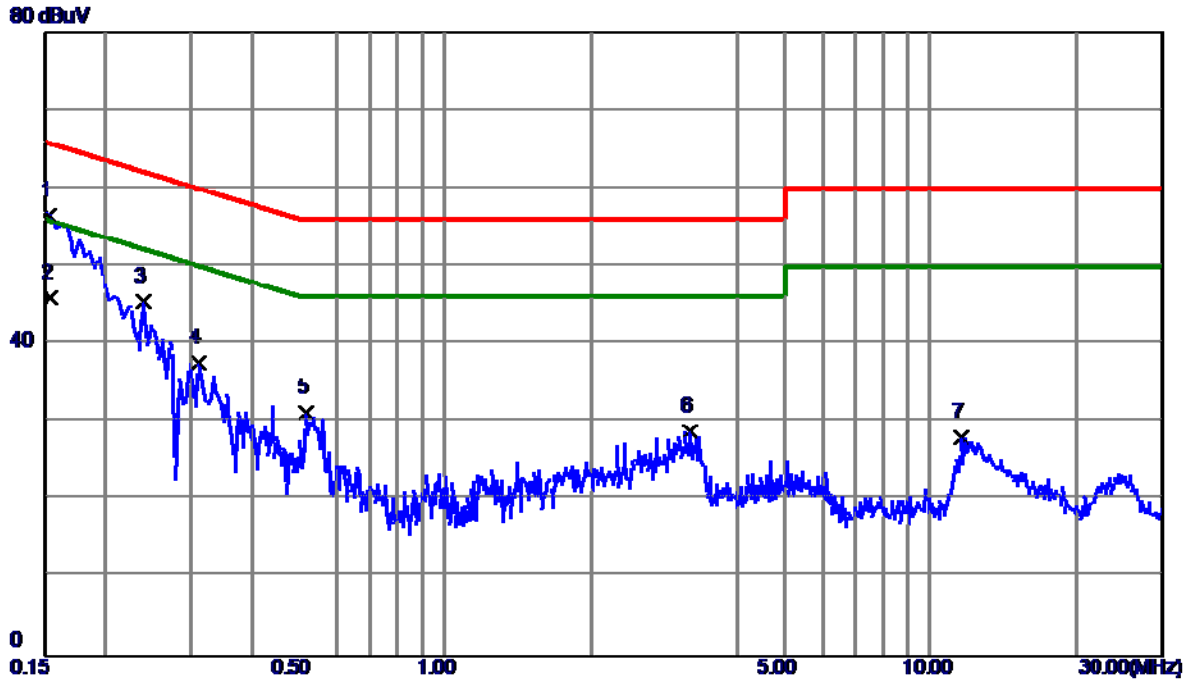
Neutral



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1590	41.93	9.61	51.54	65.52	-10.98	Peak	
2	0.1590	19.50	9.61	29.11	55.52	-26.41	AVG	
3	0.2355	39.96	9.61	49.57	62.25	-12.68	Peak	
4	0.5010	28.08	9.61	37.69	56.00	-18.31	Peak	
5	1.8735	23.31	9.63	32.94	56.00	-23.06	Peak	
6	3.6780	24.69	9.65	34.34	56.00	-21.66	Peak	
7	18.5550	29.43	10.04	39.47	60.00	-20.53	Peak	

Test Mode :	Normal Link_ Adapter: NBS40C120300M2

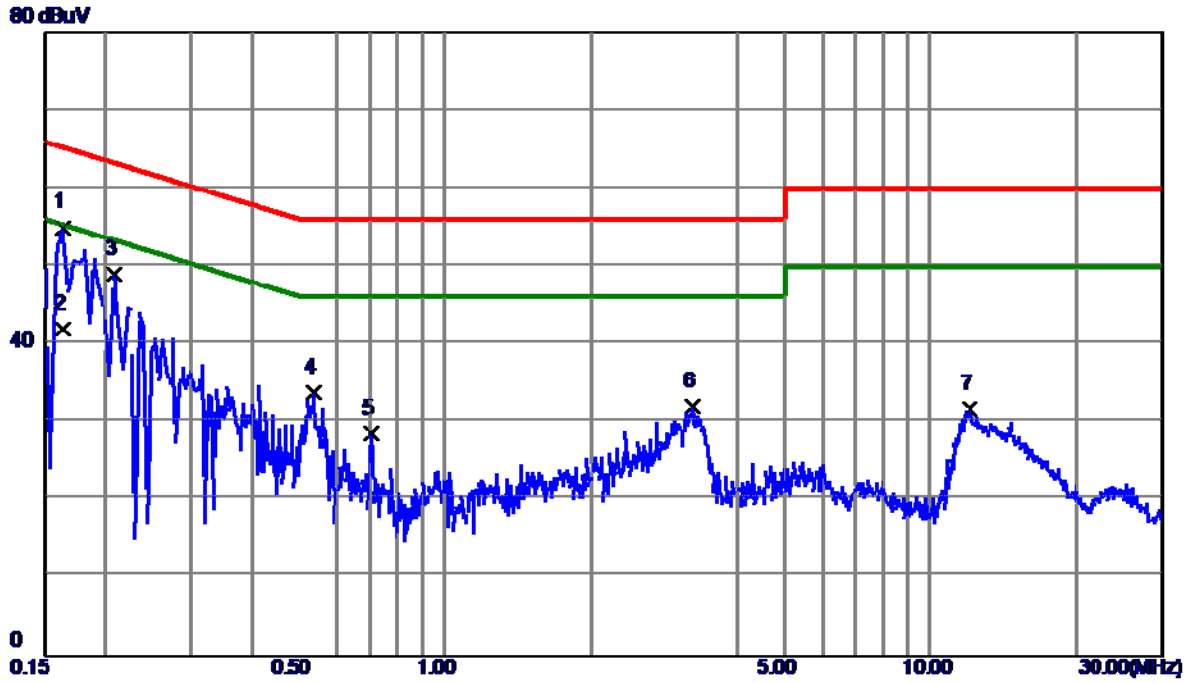
Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1532	46.67	9.75	56.42	65.82	-9.40	Peak	
2	0.1548	36.21	9.75	45.96	55.74	-9.78	AVG	
3	0.2400	35.65	9.72	45.37	62.10	-16.73	Peak	
4	0.3120	27.87	9.72	37.59	59.92	-22.33	Peak	
5	0.5190	21.50	9.76	31.26	56.00	-24.74	Peak	
6	3.1965	18.90	9.86	28.76	56.00	-27.24	Peak	
7	11.5755	17.87	10.15	28.02	60.00	-31.98	Peak	

Test Mode :	Normal Link_ Adapter: NBS40C120300M2

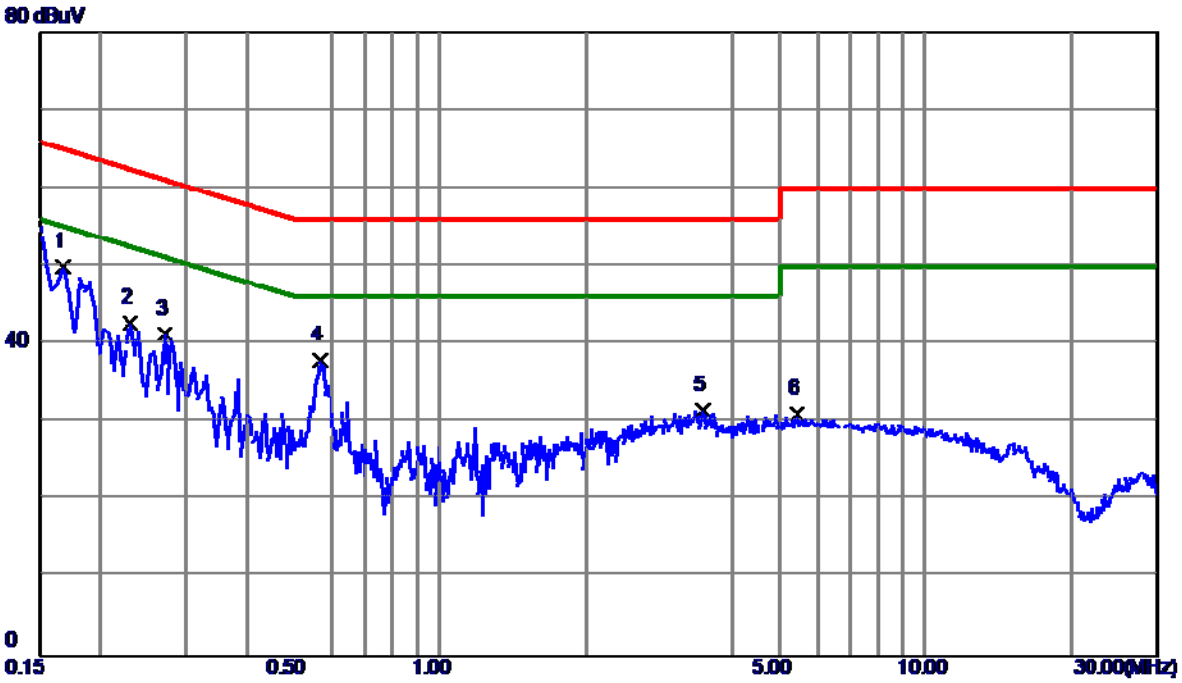
Neutral



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1635	45.32	9.64	54.96	65.28	-10.32	Peak	
2	0.1635	32.24	9.64	41.88	55.28	-13.40	AVG	
3	0.2085	39.30	9.65	48.95	63.26	-14.31	Peak	
4	0.5370	24.13	9.66	33.79	56.00	-22.21	Peak	
5	0.7035	18.87	9.67	28.54	56.00	-27.46	Peak	
6	3.2370	22.29	9.77	32.06	56.00	-23.94	Peak	
7	12.0525	21.47	10.16	31.63	60.00	-28.37	Peak	

Test Mode :	Normal Link_ Adapter: SOY-1200300US

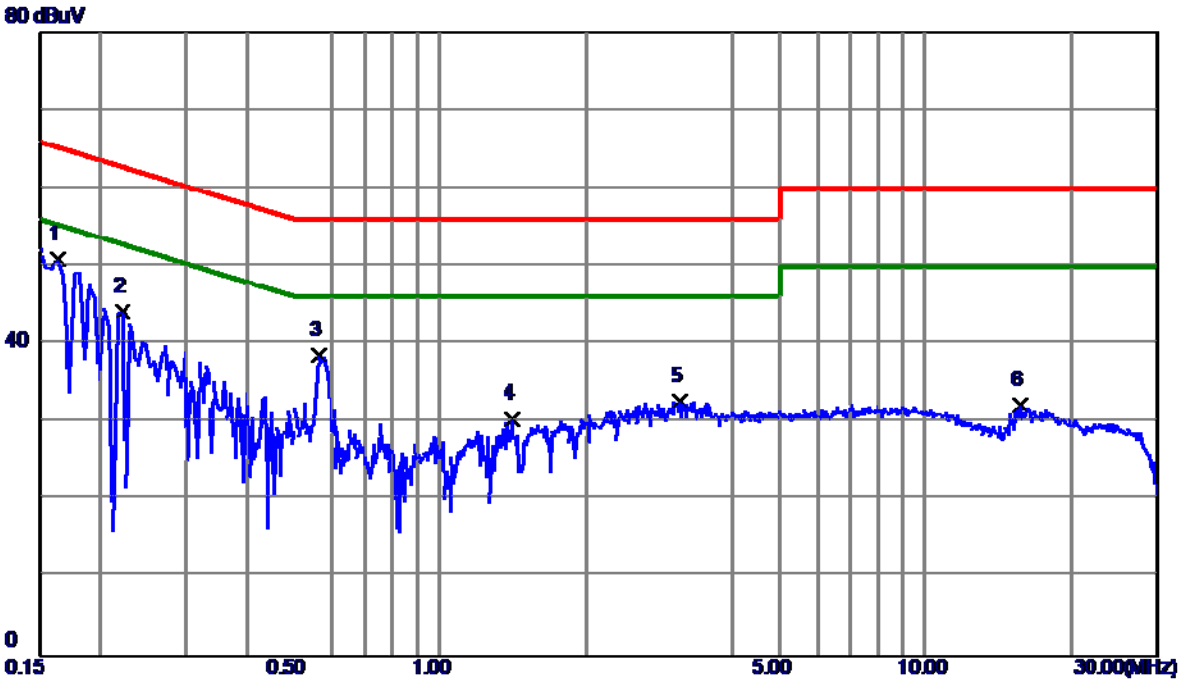
Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1680	40.14	9.78	49.92	65.06	-15.14	Peak	
2	0.2310	32.99	9.76	42.75	62.41	-19.66	Peak	
3	0.2714	31.50	9.76	41.26	61.07	-19.81	Peak	
4	0.5685	28.05	9.81	37.86	56.00	-18.14	Peak	
5	3.4800	21.51	10.01	31.52	56.00	-24.48	Peak	
6	5.4555	20.90	10.11	31.01	60.00	-28.99	Peak	

Test Mode :	Normal Link_ Adapter: SOY-1200300US

Neutral

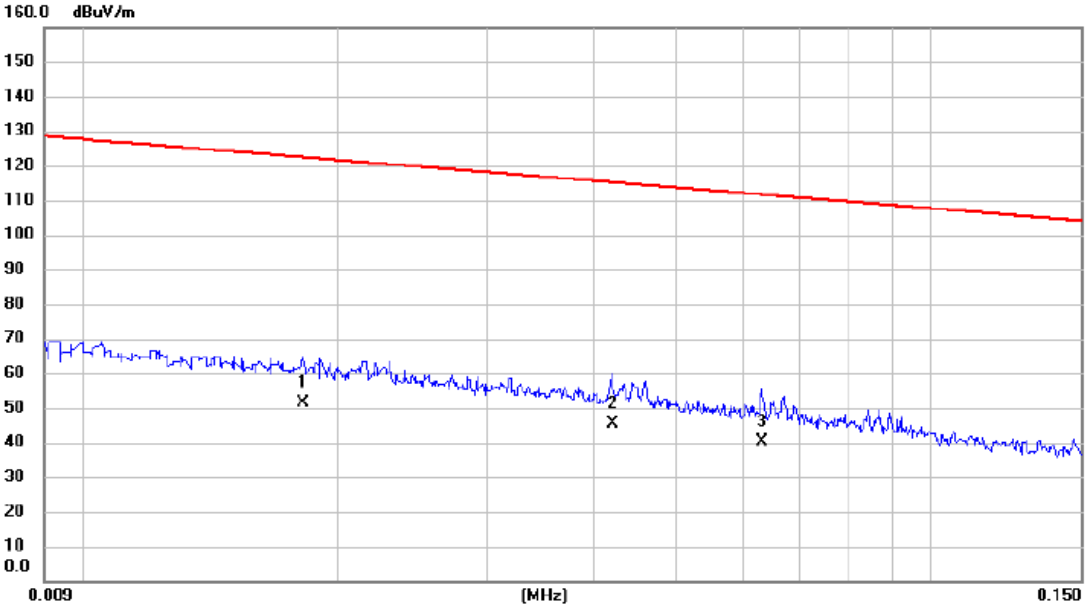


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1635	41.24	9.68	50.92	65.28	-14.36	Peak	
2	0.2220	34.47	9.68	44.15	62.74	-18.59	Peak	
3	0.5639	28.80	9.71	38.51	56.00	-17.49	Peak	
4	1.4100	20.67	9.78	30.45	56.00	-25.55	Peak	
5	3.1245	22.69	9.91	32.60	56.00	-23.40	Peak	
6	15.6660	21.46	10.65	32.11	60.00	-27.89	Peak	

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

Test Mode:	TX MODE _Adapter: SUN-1200300

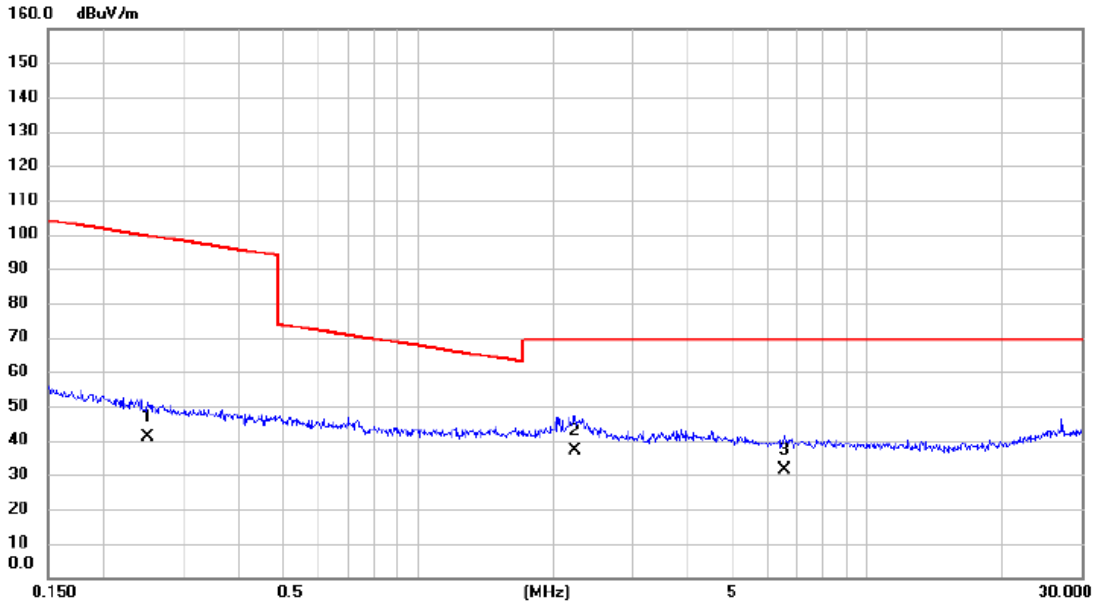
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0182	31.70	19.85	51.55	122.40	-70.85	AVG	
2	*	0.0422	26.60	18.95	45.55	115.10	-69.55	AVG	
3		0.0631	21.60	18.47	40.07	111.60	-71.53	AVG	

Test Mode:	TX MODE _Adapter: SUN-1200300

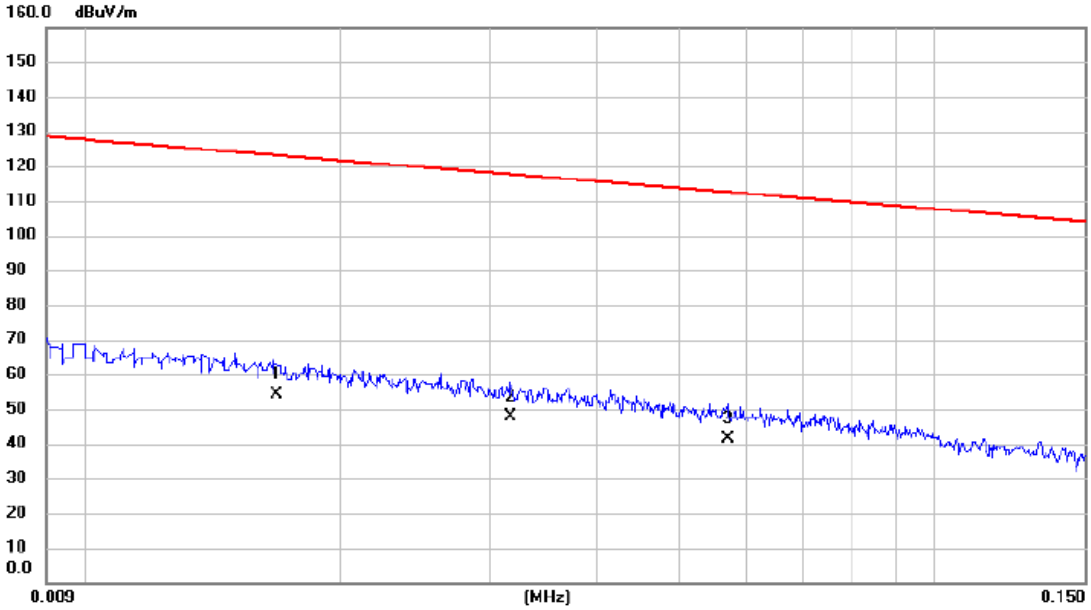
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2508	24.23	16.66	40.89	99.62	-58.73	AVG	
2	*	2.2367	21.66	15.44	37.10	69.54	-32.44	QP	
3		6.5227	17.10	14.18	31.28	69.54	-38.26	QP	

Test Mode:	TX MODE _Adapter: SUN-1200300

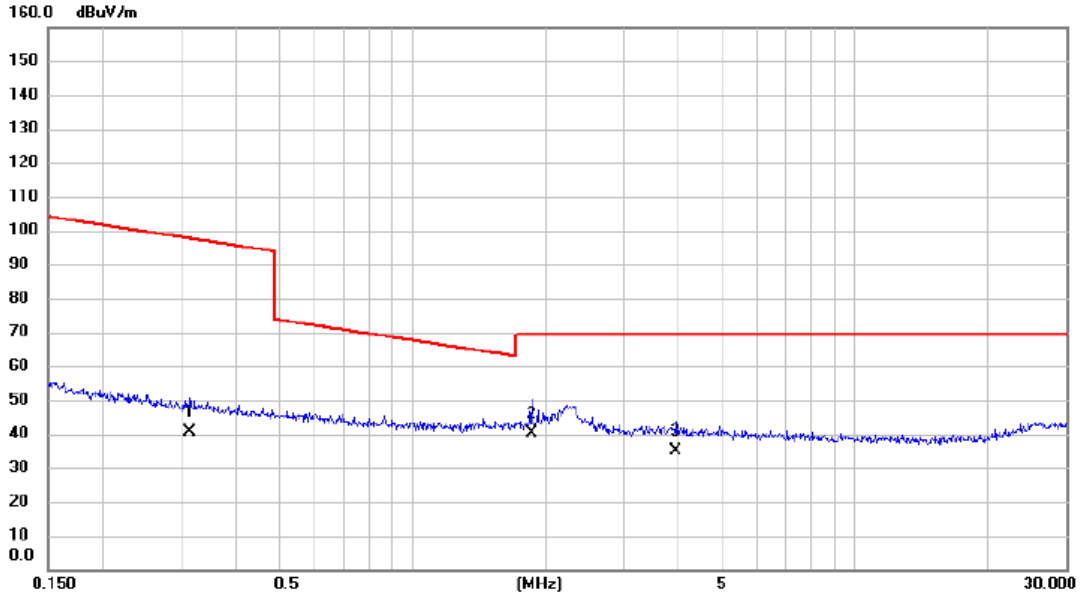
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0168	33.99	20.04	54.03	123.10	-69.07	AVG	
2		0.0317	28.67	19.27	47.94	117.58	-69.64	AVG	
3		0.0570	22.66	18.59	41.25	112.49	-71.24	AVG	

Test Mode:	TX MODE _Adapter: SUN-1200300

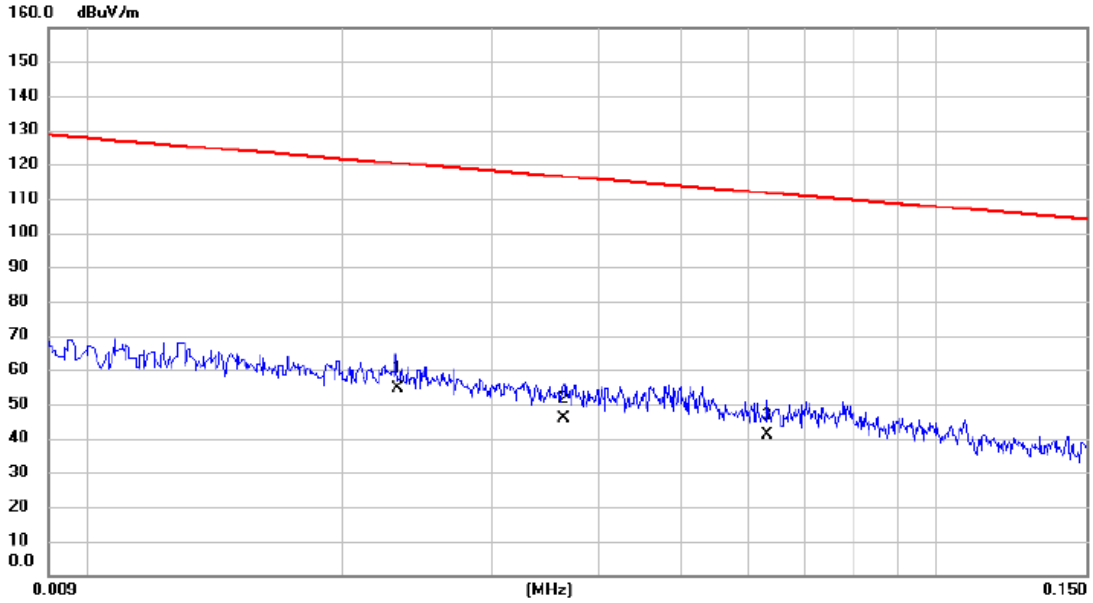
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3133	24.03	16.61	40.64	97.69	-57.05	AVG	
2	*	1.8680	24.69	15.56	40.25	69.54	-29.29	QP	
3		3.9430	19.94	14.97	34.91	69.54	-34.63	QP	

Test Mode:	TX MODE _ Adapter: NBS40C120300M2

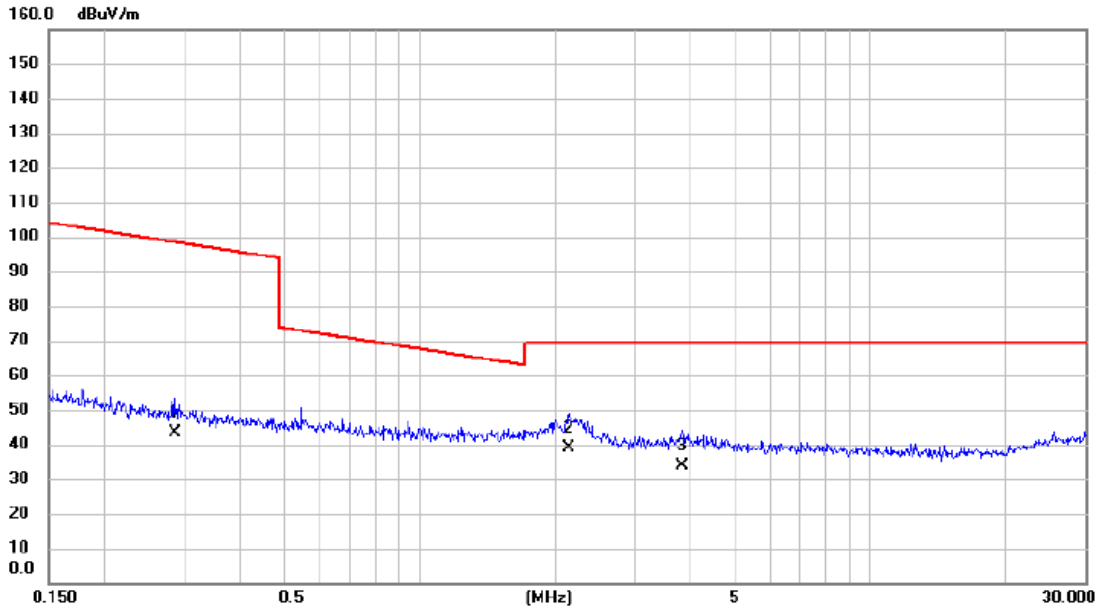
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0232	35.18	19.52	54.70	120.30	-65.60	AVG	
2		0.0364	26.56	19.13	45.69	116.38	-70.69	AVG	
3		0.0632	22.39	18.47	40.86	111.59	-70.73	AVG	

Test Mode:	TX MODE_ Adapter: NBS40C120300M2

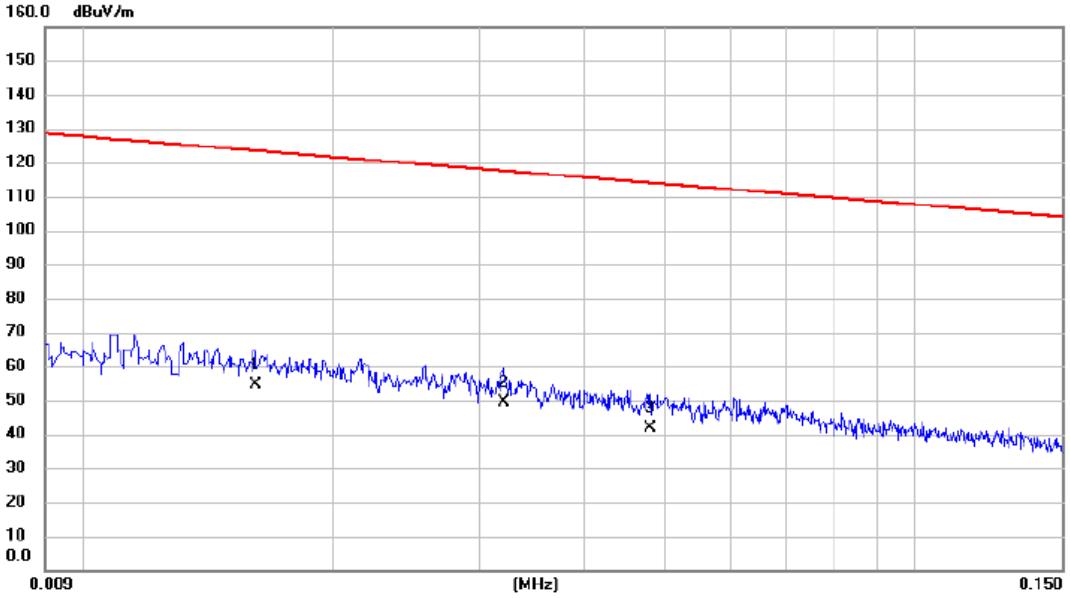
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2863	26.81	16.63	43.44	98.47	-55.03	AVG	
2	*	2.1440	23.34	15.47	38.81	69.54	-30.73	QP	
3		3.8196	19.00	15.00	34.00	69.54	-35.54	QP	

Test Mode:	TX MODE _ Adapter: NBS40C120300M2

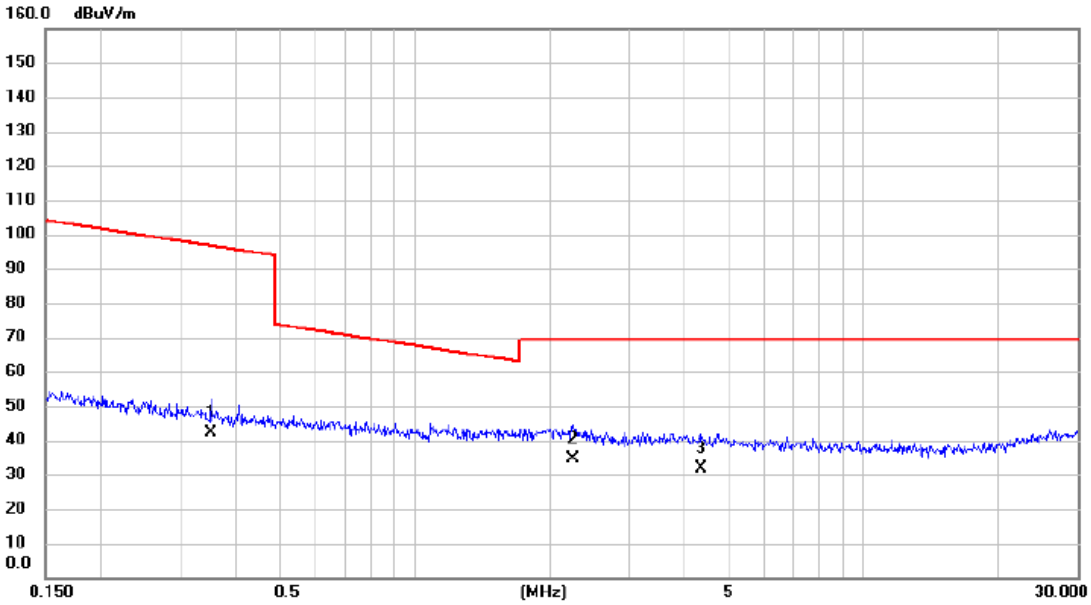
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0161	34.65	20.13	54.78	123.47	-68.69	AVG	
2	*	0.0321	30.29	19.26	49.55	117.47	-67.92	AVG	
3		0.0480	22.93	18.78	41.71	113.98	-72.27	AVG	

Test Mode:	TX MODE_ Adapter: NBS40C120300M2

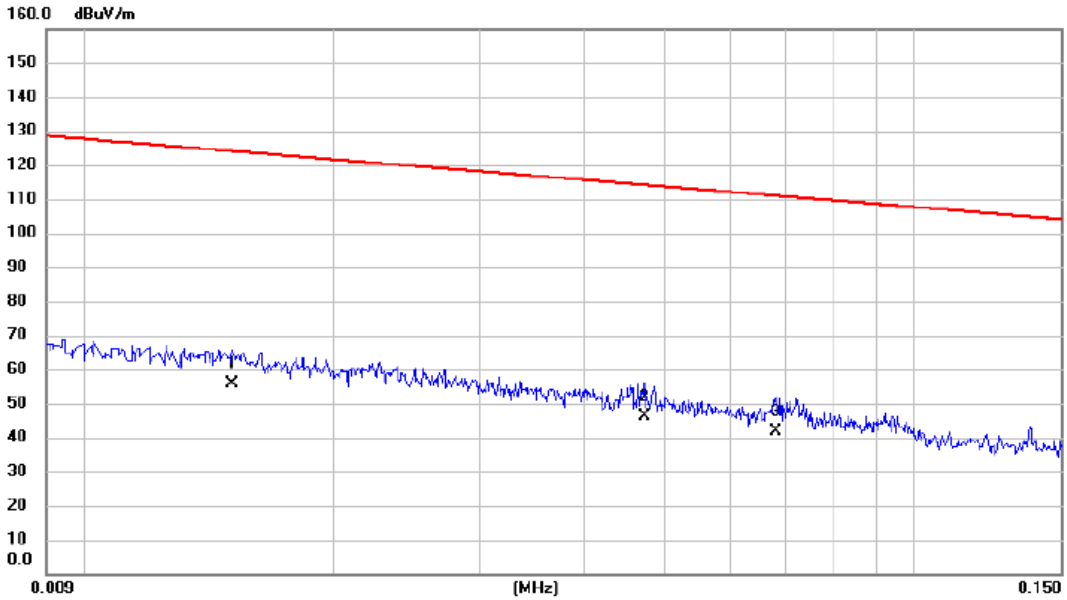
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3502	25.50	16.58	42.08	96.72	-54.64	AVG	
2	*	2.2486	18.98	15.44	34.42	69.54	-35.12	QP	
3		4.3606	17.12	14.74	31.86	69.54	-37.68	QP	

Test Mode:	TX MODE _ Adapter: SOY-1200300US

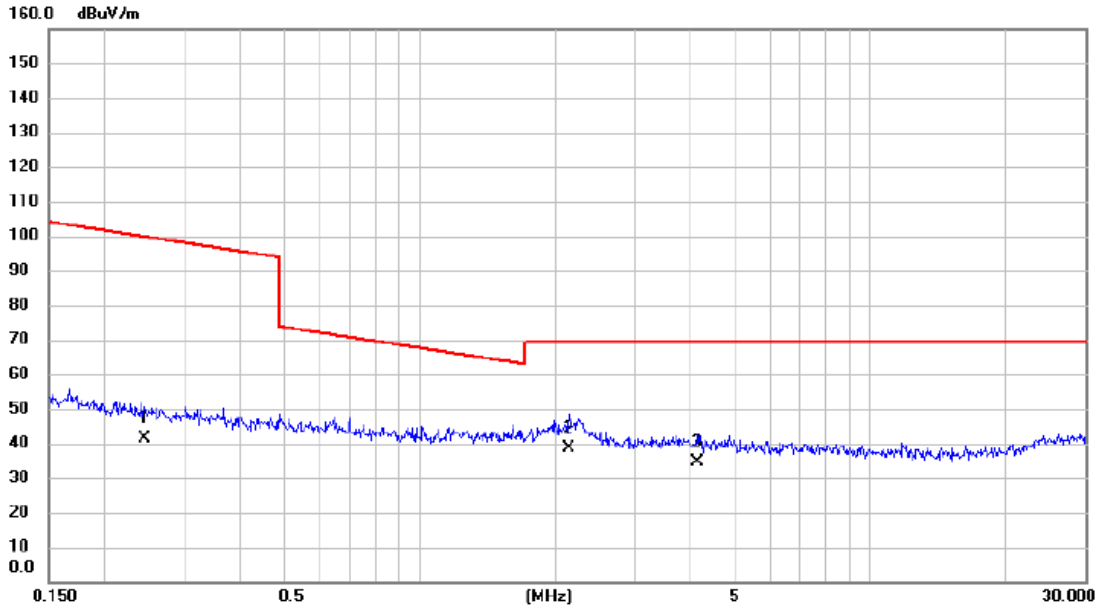
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0151	35.52	20.26	55.78	124.03	-68.25	AVG	
2	*	0.0473	27.52	18.80	46.32	114.11	-67.79	AVG	
3		0.0680	23.48	18.37	41.85	110.95	-69.10	AVG	

Test Mode:	TX MODE _ Adapter: SOY-1200300US

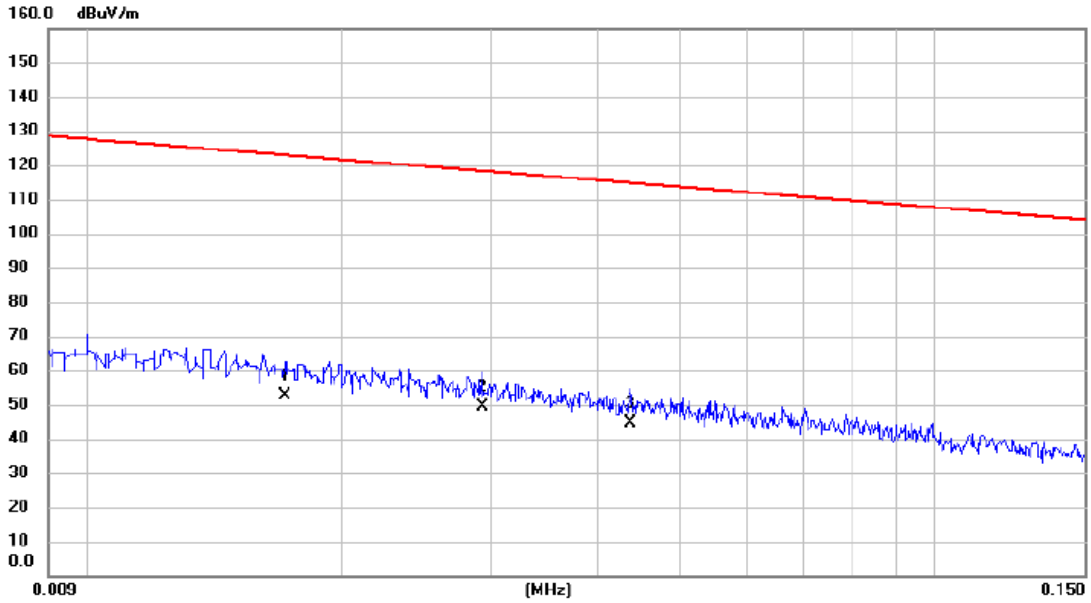
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2455	24.80	16.67	41.47	99.80	-58.33	AVG	
2	*	2.1440	23.06	15.47	38.53	69.54	-31.01	QP	
3		4.1356	19.73	14.87	34.60	69.54	-34.94	QP	

Test Mode:	TX MODE _ Adapter: SOY-1200300US

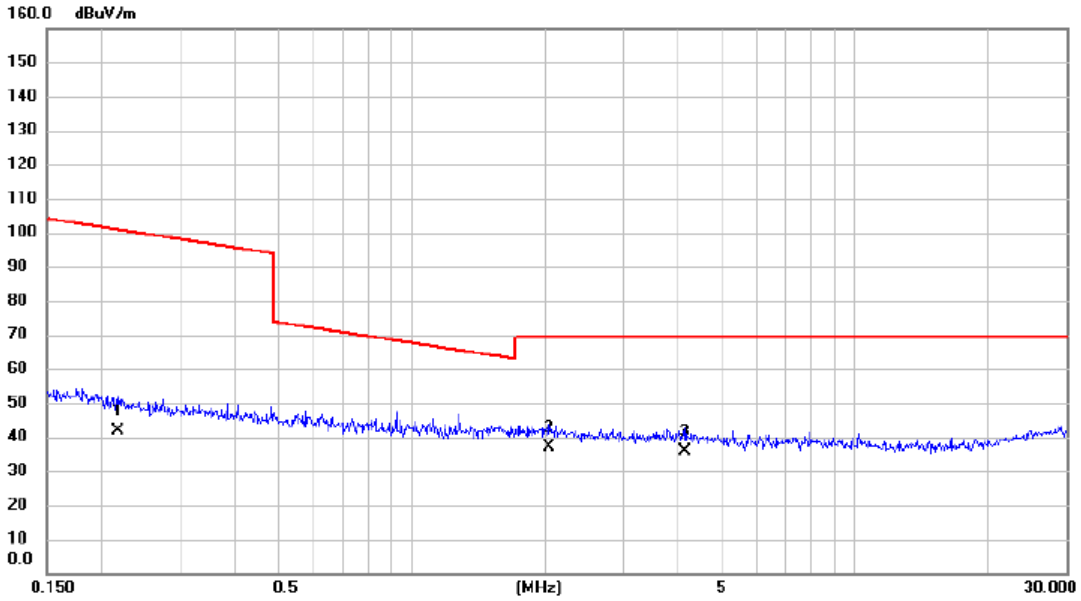
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0171	32.72	20.00	52.72	122.94	-70.22	AVG	
2	*	0.0293	30.21	19.34	49.55	118.27	-68.72	AVG	
3		0.0437	25.65	18.91	44.56	114.80	-70.24	AVG	

Test Mode:	TX MODE _ Adapter: SOY-1200300US

Ant 90°

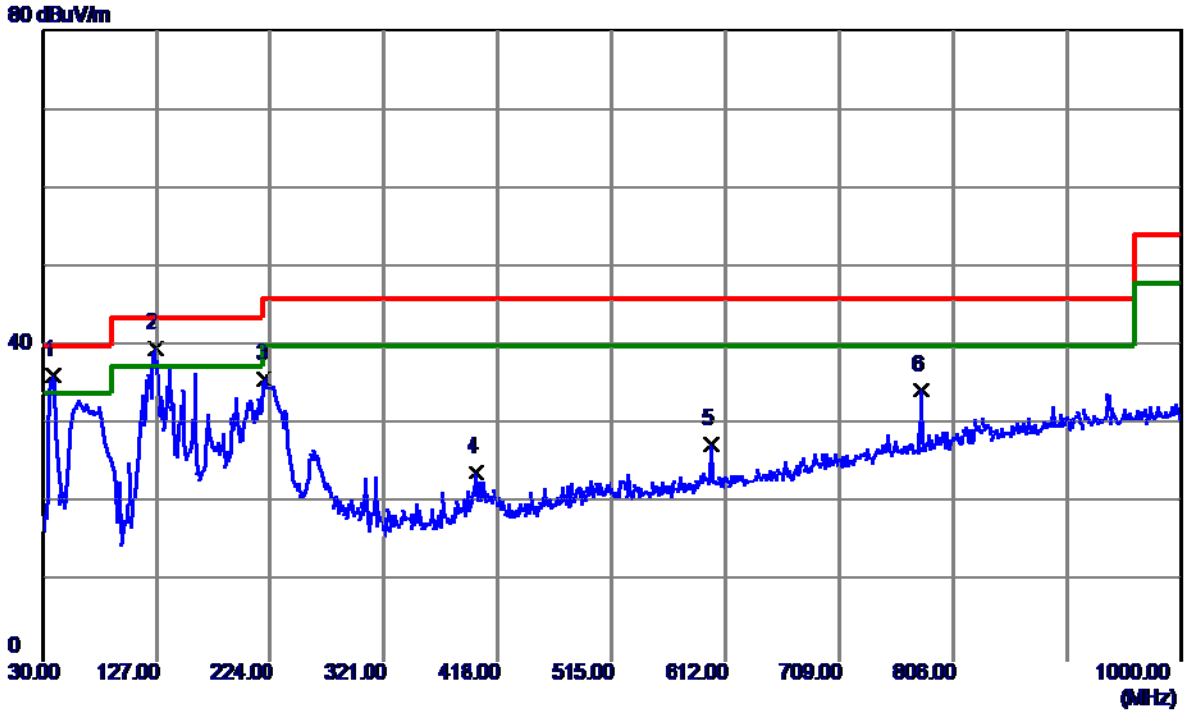


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2174	25.23	16.75	41.98	100.86	-58.88	AVG	
2	*	2.0441	21.32	15.50	36.82	69.54	-32.72	QP	
3		4.1356	20.75	14.87	35.62	69.54	-33.92	QP	

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

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: SUN-1200300

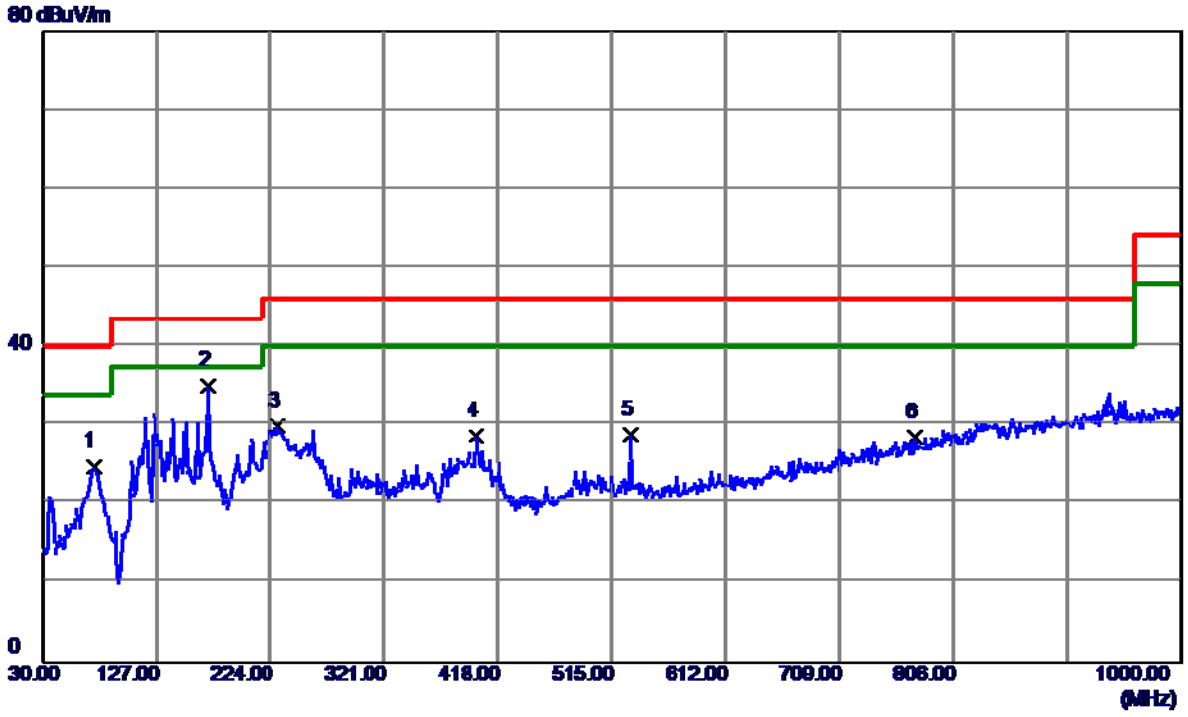
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	38.7300	50.50	-14.16	36.34	40.00	-3.66	Peak	
2	126.0300	54.65	-14.98	39.67	43.50	-3.83	Peak	
3	219.1500	49.68	-13.91	35.77	46.00	-10.23	Peak	
4	399.5700	35.37	-11.37	24.00	46.00	-22.00	Peak	
5	600.3600	33.93	-6.41	27.52	46.00	-18.48	Peak	
6	778.8400	36.23	-1.82	34.41	46.00	-11.59	Peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: SUN-1200300

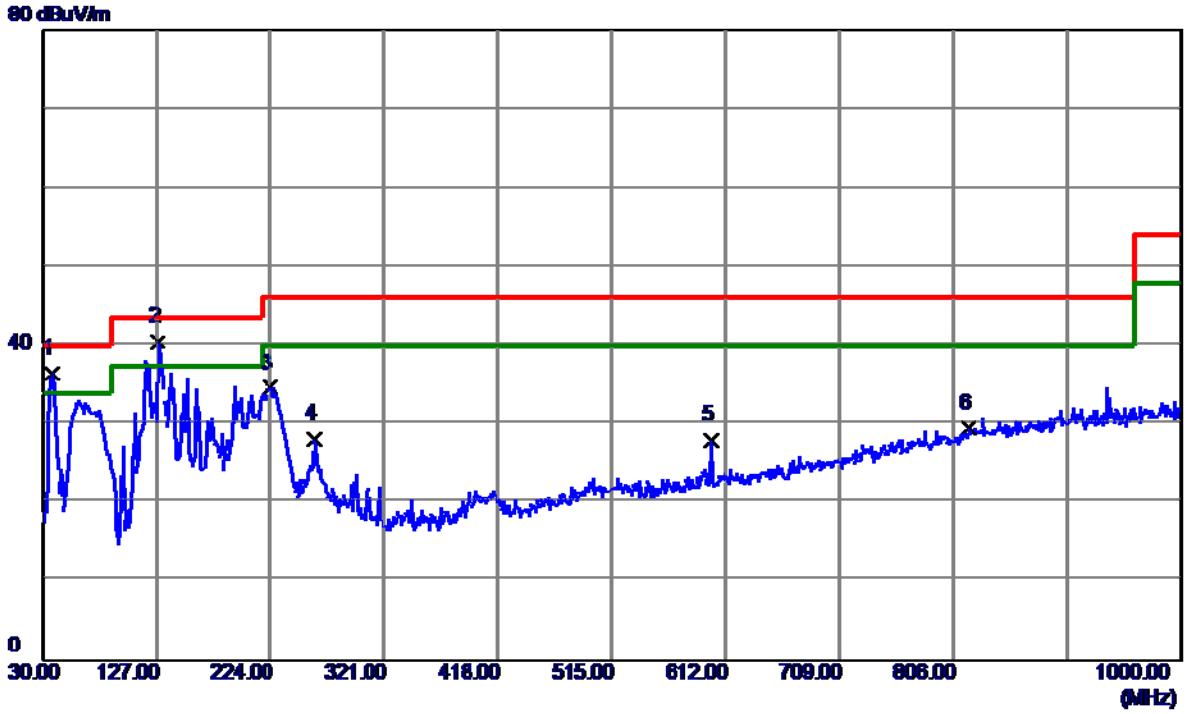
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	73.6500	41.67	-16.93	24.74	40.00	-15.26	Peak	
2 *	171.6200	47.26	-12.29	34.97	43.50	-8.53	Peak	
3	230.7900	44.07	-14.15	29.92	46.00	-16.08	Peak	
4	399.5700	39.97	-11.37	28.60	46.00	-17.40	Peak	
5	531.4900	36.96	-8.09	28.87	46.00	-17.13	Peak	
6	773.9900	30.37	-1.92	28.45	46.00	-17.55	Peak	

Test Mode:	UNII-1/TX A Mode 5200MHz_ Adapter: SUN-1200300

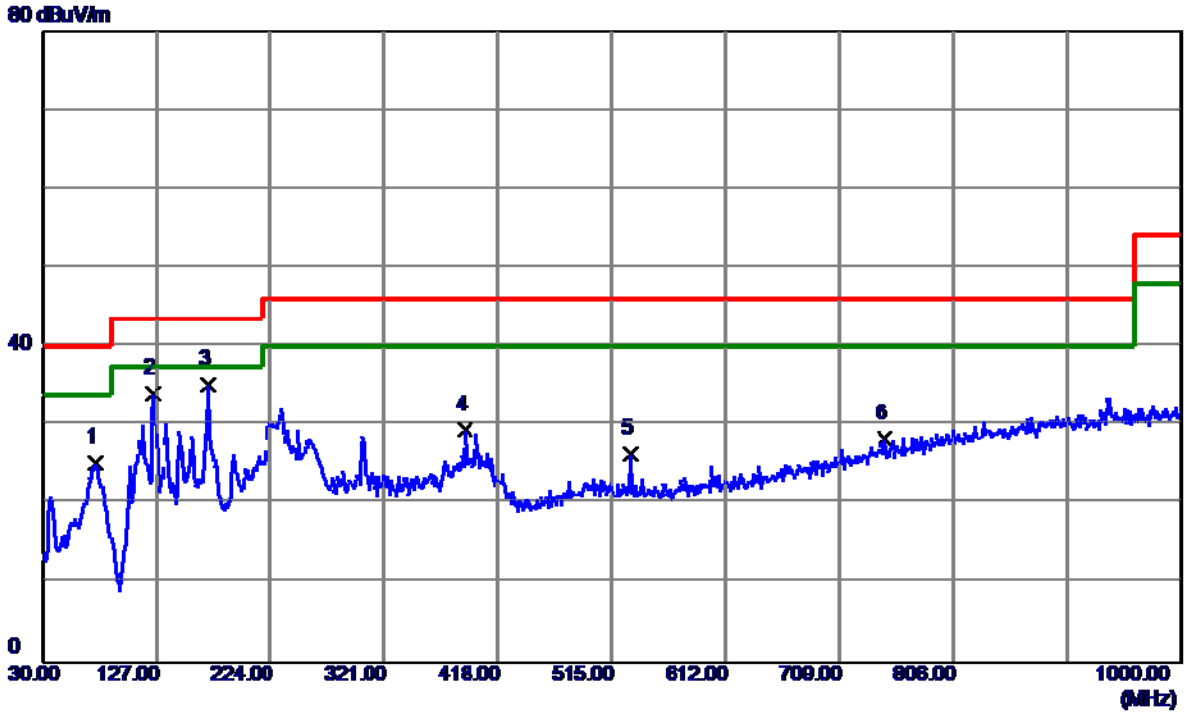
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	37.7599	50.78	-14.30	36.48	40.00	-3.52	Peak	
2 *	127.9700	55.34	-14.85	40.49	43.50	-3.01	Peak	
3	224.0000	48.63	-13.99	34.64	46.00	-11.36	Peak	
4	261.8299	43.88	-15.74	28.14	46.00	-17.86	Peak	
5	600.3600	34.47	-6.41	28.06	46.00	-17.94	Peak	
6	818.6100	30.37	-0.85	29.52	46.00	-16.48	Peak	

Test Mode:	UNII-1/TX A Mode 5200MHz_ Adapter: SUN-1200300

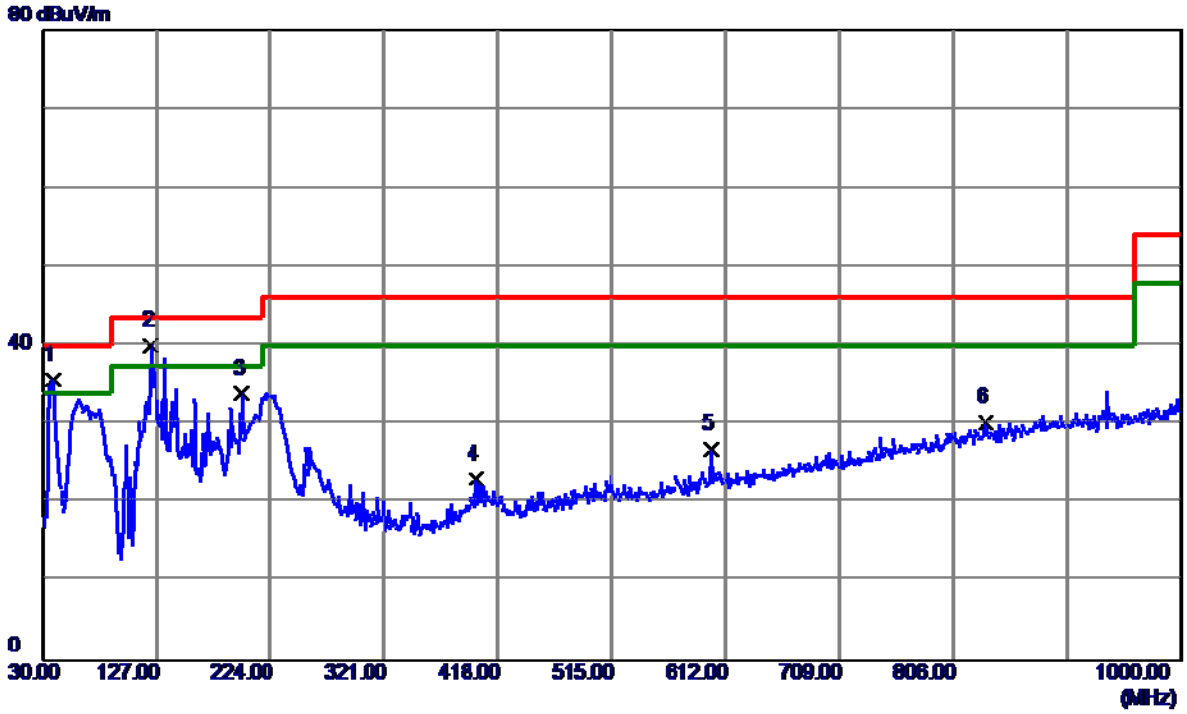
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	75.5899	42.57	-17.22	25.35	40.00	-14.65	Peak	
2	124.0900	49.16	-15.12	34.04	43.50	-9.46	Peak	
3 *	171.6200	47.42	-12.29	35.13	43.50	-8.37	Peak	
4	389.8700	40.96	-11.48	29.48	46.00	-16.52	Peak	
5	531.4900	34.44	-8.09	26.35	46.00	-19.65	Peak	
6	747.8000	30.85	-2.51	28.34	46.00	-17.66	Peak	

Test Mode:	UNII-1/TX A Mode 5240MHz_ Adapter: SUN-1200300

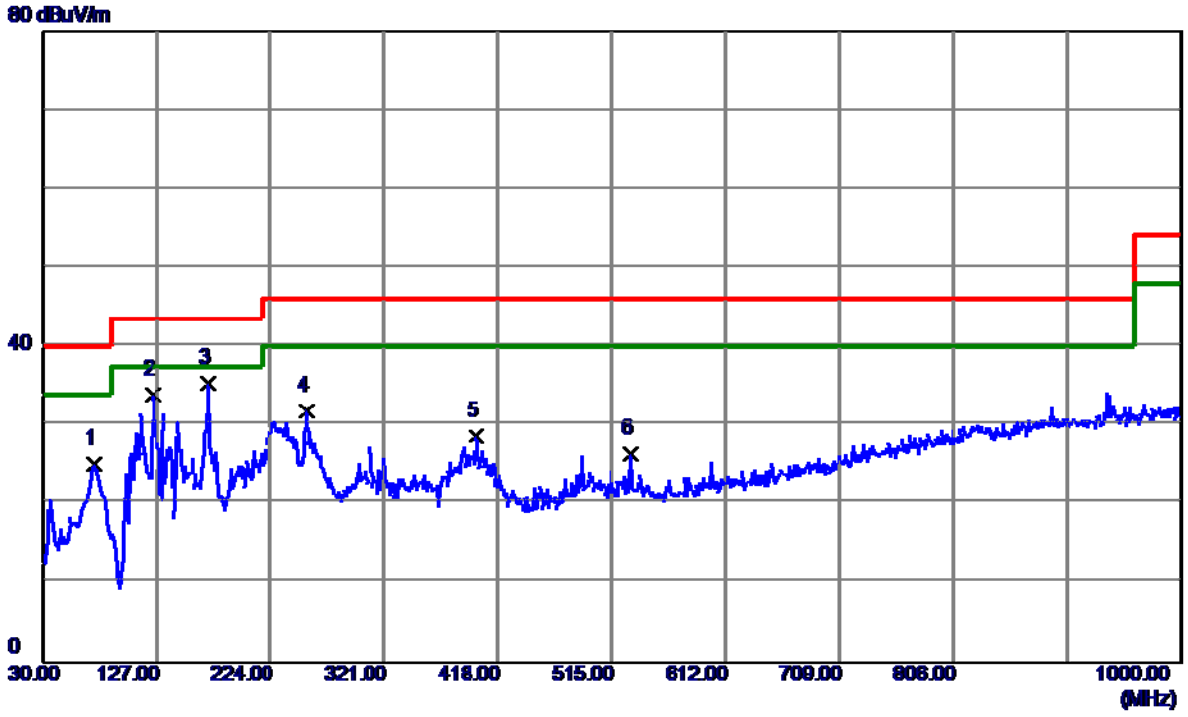
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38.7300	49.83	-14.16	35.67	40.00	-4.33	Peak	
2 *	122.1500	55.32	-15.25	40.07	43.50	-3.43	Peak	
3	199.7500	47.70	-13.73	33.97	43.50	-9.53	Peak	
4	399.5700	34.43	-11.37	23.06	46.00	-22.94	Peak	
5	600.3600	33.33	-6.41	26.92	46.00	-19.08	Peak	
6	834.1300	30.72	-0.43	30.29	46.00	-15.71	Peak	

Test Mode:	UNII-1/TX A Mode 5240MHz_ Adapter: SUN-1200300

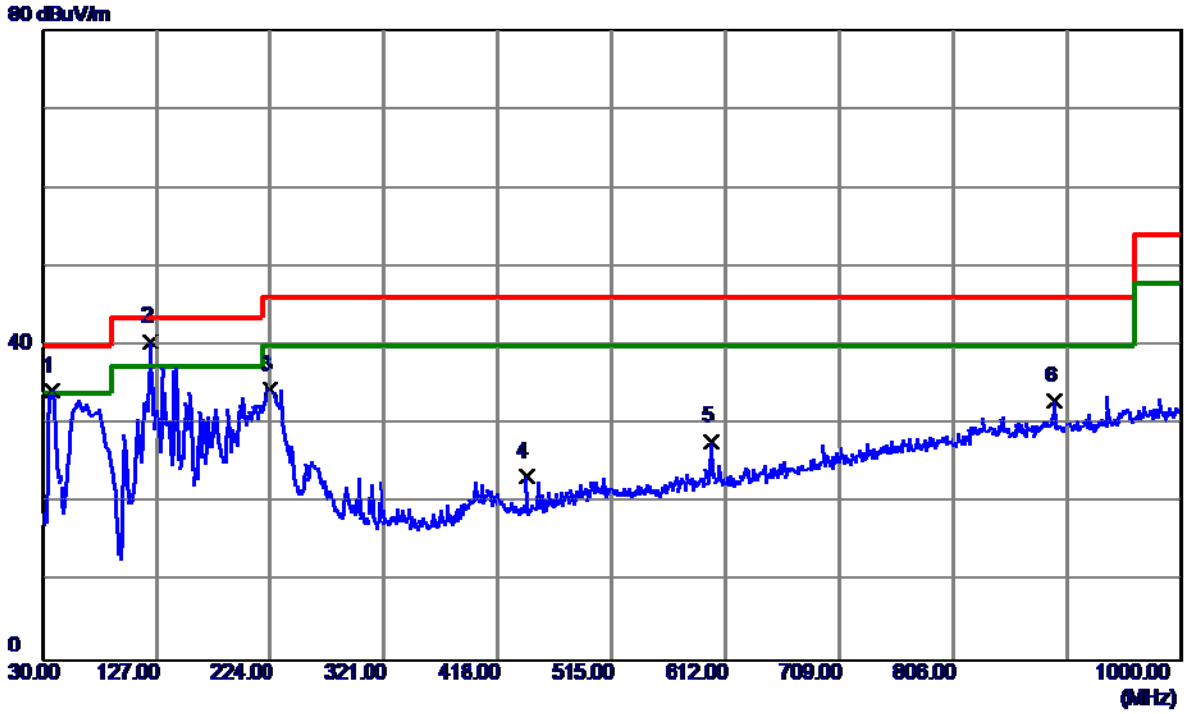
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	74.6200	42.14	-17.04	25.10	40.00	-14.90	Peak	
2	124.0900	49.09	-15.12	33.97	43.50	-9.53	Peak	
3 *	171.6200	47.68	-12.29	35.39	43.50	-8.11	Peak	
4	255.0400	47.15	-15.30	31.85	46.00	-14.15	Peak	
5	399.5700	39.96	-11.37	28.59	46.00	-17.41	Peak	
6	531.4900	34.46	-8.09	26.37	46.00	-19.63	Peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_ Adapter: SUN-1200300

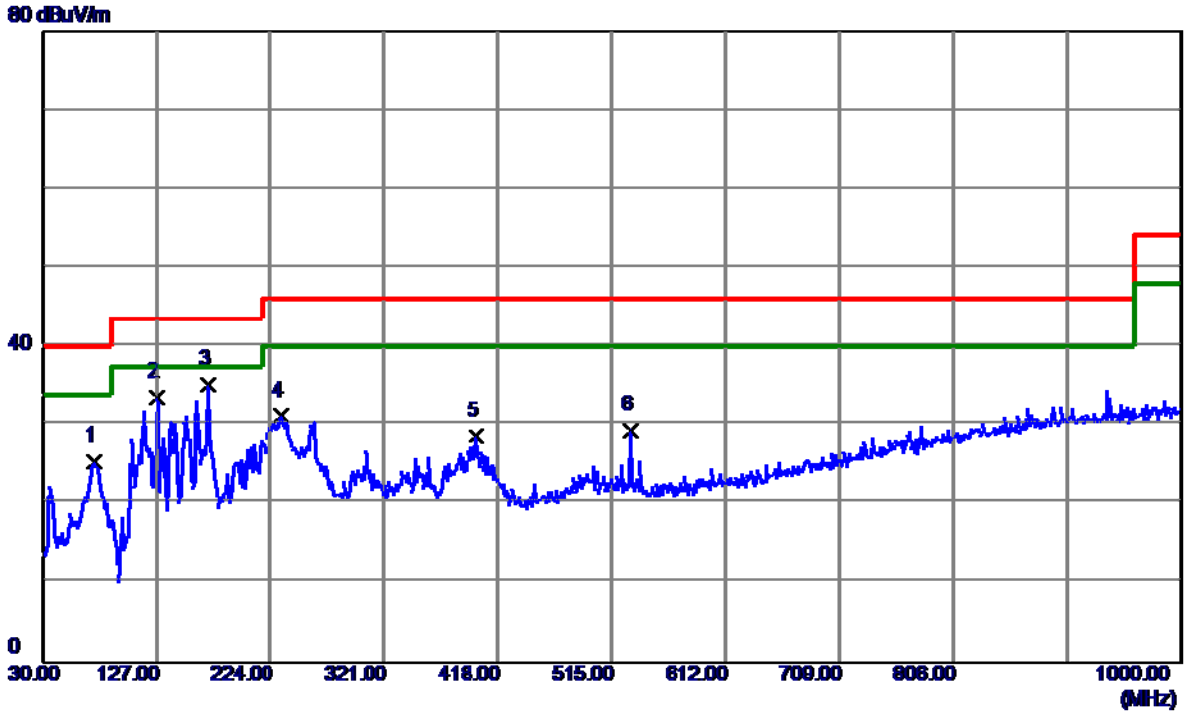
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	37.7599	48.53	-14.30	34.23	40.00	-5.77	Peak	
2 *	121.1800	55.79	-15.32	40.47	43.50	-3.03	Peak	
3	224.0000	48.40	-13.99	34.41	46.00	-11.59	Peak	
4	442.2500	33.54	-10.16	23.38	46.00	-22.62	Peak	
5	600.3600	34.27	-6.41	27.86	46.00	-18.14	Peak	
6	892.3300	32.03	0.87	32.90	46.00	-13.10	Peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_ Adapter: SUN-1200300

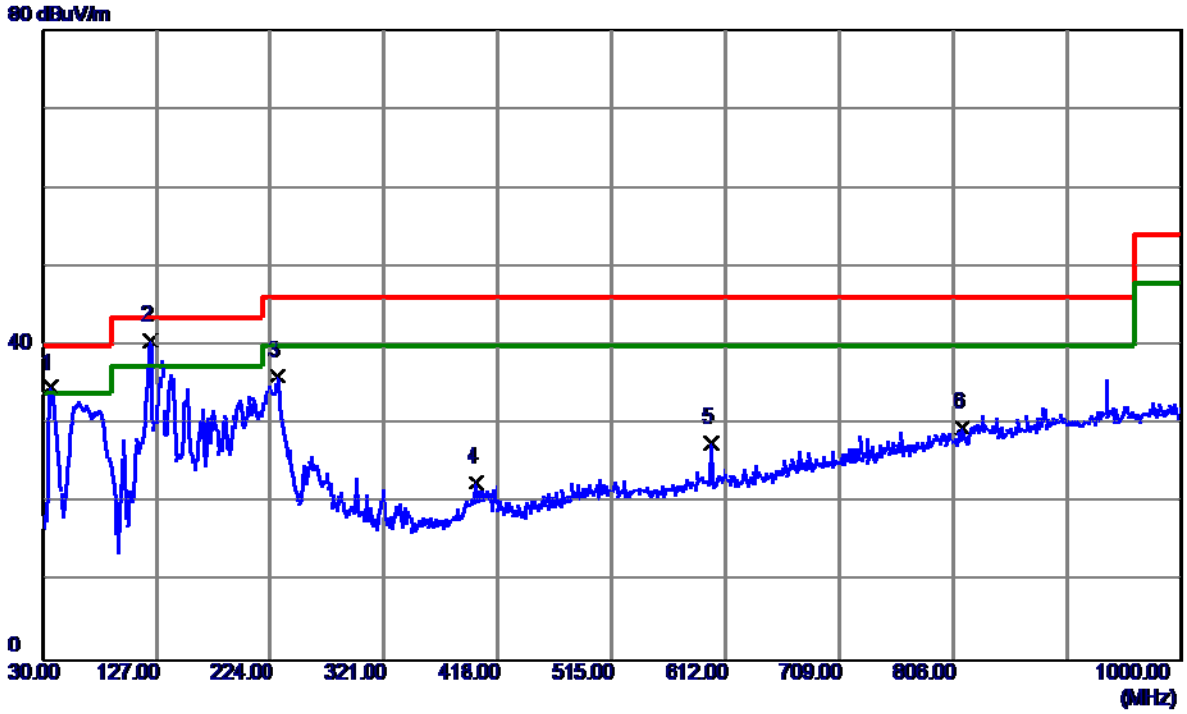
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	74.6200	42.49	-17.04	25.45	40.00	-14.55	Peak	
2	127.0000	48.48	-14.91	33.57	43.50	-9.93	Peak	
3 *	171.6200	47.43	-12.29	35.14	43.50	-8.36	Peak	
4	233.7000	45.39	-14.22	31.17	46.00	-14.83	Peak	
5	399.5700	40.08	-11.37	28.71	46.00	-17.29	Peak	
6	531.4900	37.45	-8.09	29.36	46.00	-16.64	Peak	

Test Mode:	UNII-3/TX A Mode 5785MHz_ Adapter: SUN-1200300

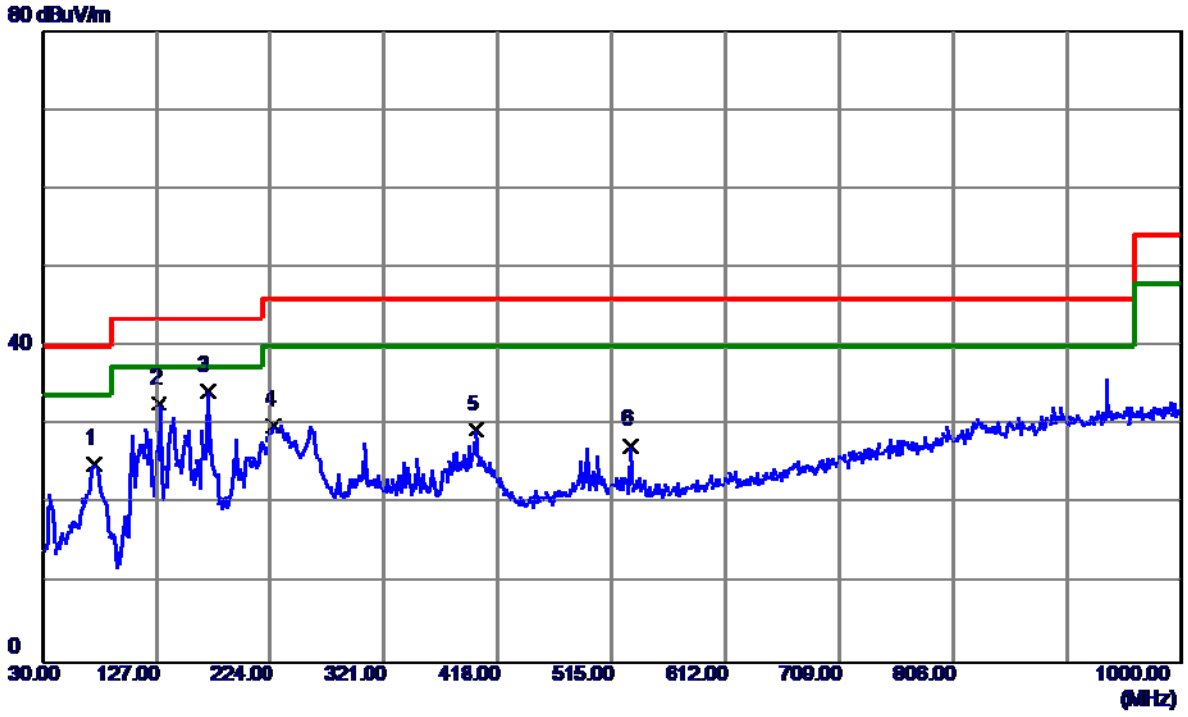
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	36.7900	49.05	-14.41	34.64	40.00	-5.36	Peak	
2 *	121.1800	55.96	-15.32	40.64	43.50	-2.86	Peak	
3	230.7900	50.34	-14.15	36.19	46.00	-9.81	Peak	
4	399.5700	34.01	-11.37	22.64	46.00	-23.36	Peak	
5	600.3600	34.10	-6.41	27.69	46.00	-18.31	Peak	
6	813.7600	30.60	-0.99	29.61	46.00	-16.39	Peak	

Test Mode:	UNII-3/TX A Mode 5785MHz_ Adapter: SUN-1200300

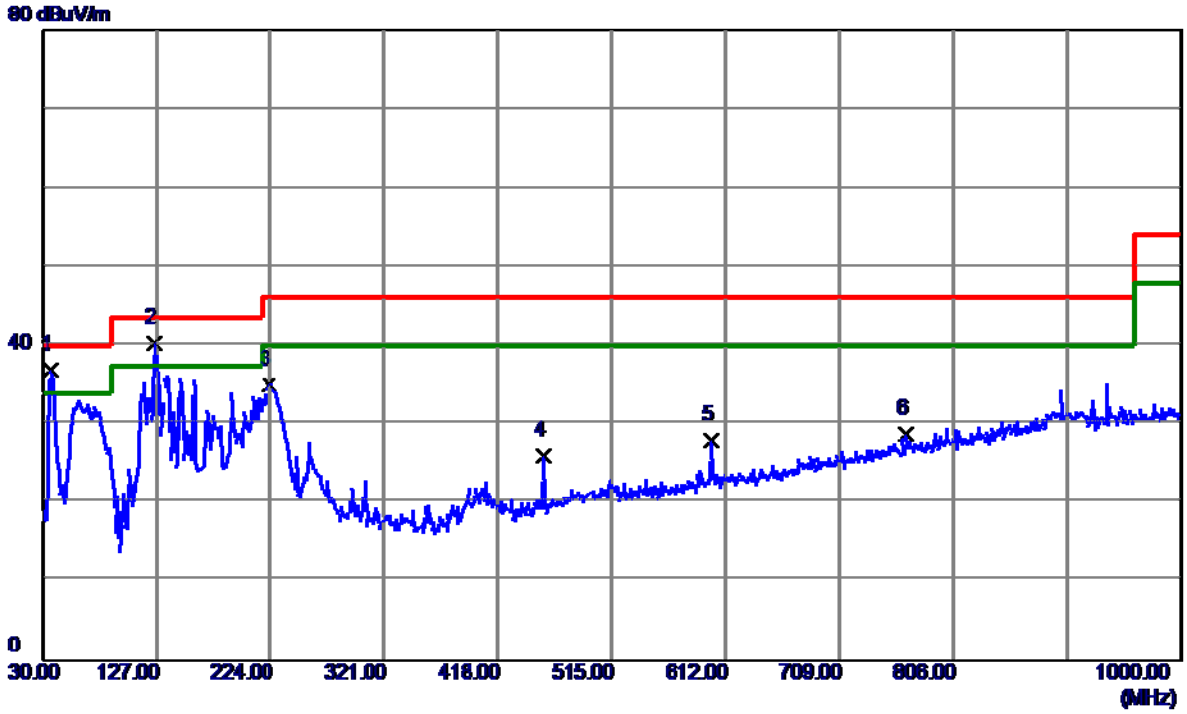
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	74.6200	42.16	-17.04	25.12	40.00	-14.88	Peak	
2	128.9400	47.65	-14.78	32.87	43.50	-10.63	Peak	
3 *	170.6500	46.79	-12.32	34.47	43.50	-9.03	Peak	
4	226.9100	44.06	-14.06	30.00	46.00	-16.00	Peak	
5	399.5700	40.78	-11.37	29.41	46.00	-16.59	Peak	
6	531.4900	35.53	-8.09	27.44	46.00	-18.56	Peak	

Test Mode:	UNII-3/TX A Mode 5825MHz_ Adapter: SUN-1200300

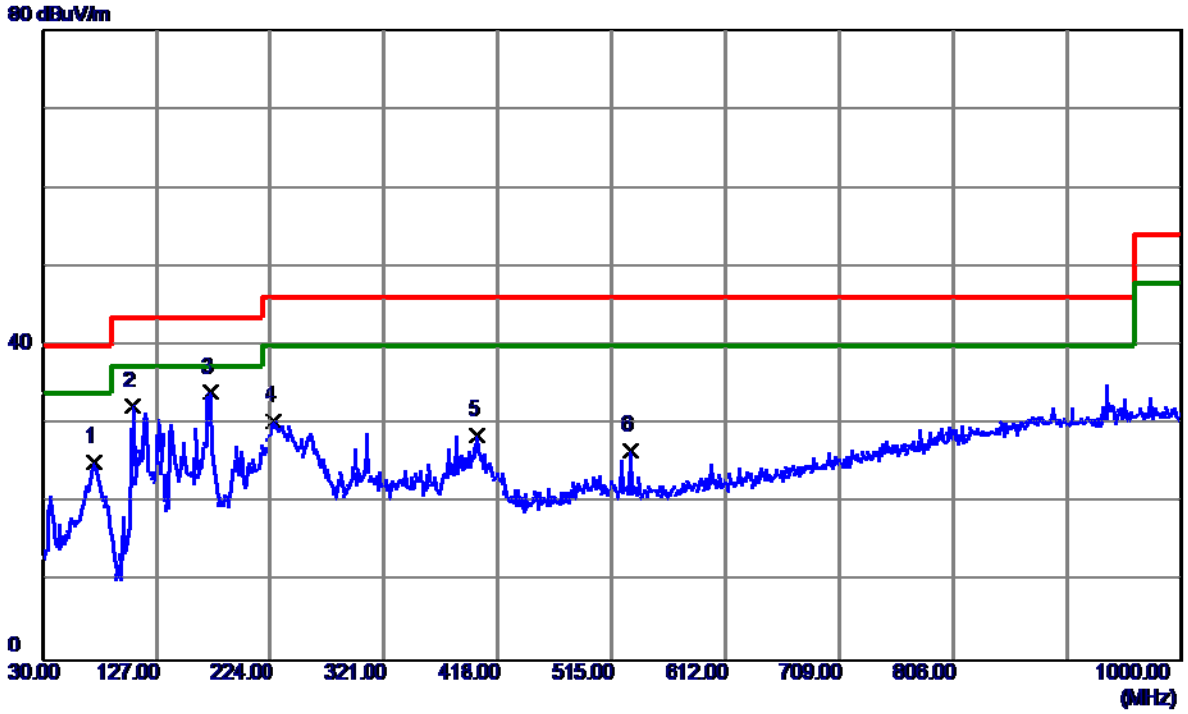
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	36.7900	51.33	-14.41	36.92	40.00	-3.08	Peak	
2	125.0600	55.34	-15.05	40.29	43.50	-3.21	Peak	
3	223.0300	48.97	-13.97	35.00	46.00	-11.00	Peak	
4	456.8000	35.86	-9.77	26.09	46.00	-19.91	Peak	
5	600.3600	34.37	-6.41	27.96	46.00	-18.04	Peak	
6	766.2300	30.84	-2.09	28.75	46.00	-17.25	Peak	

Test Mode:	UNII-3/TX A Mode 5825MHz_ Adapter: SUN-1200300

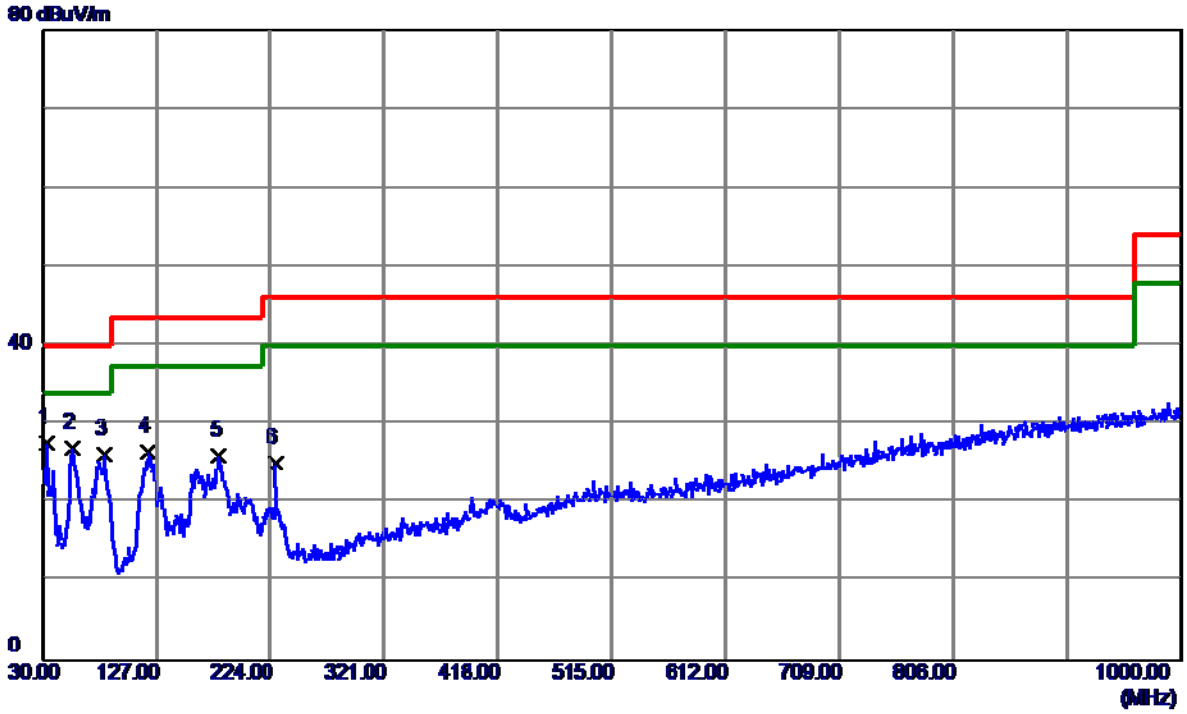
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	74.6200	42.27	-17.04	25.23	40.00	-14.77	Peak	
2	106.6300	48.93	-16.62	32.31	43.50	-11.19	Peak	
3 *	173.5600	46.30	-12.23	34.07	43.50	-9.43	Peak	
4	226.9100	44.53	-14.06	30.47	46.00	-15.53	Peak	
5	400.5400	39.92	-11.34	28.58	46.00	-17.42	Peak	
6	531.4900	34.79	-8.09	26.70	46.00	-19.30	Peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: NBS40C120300M2

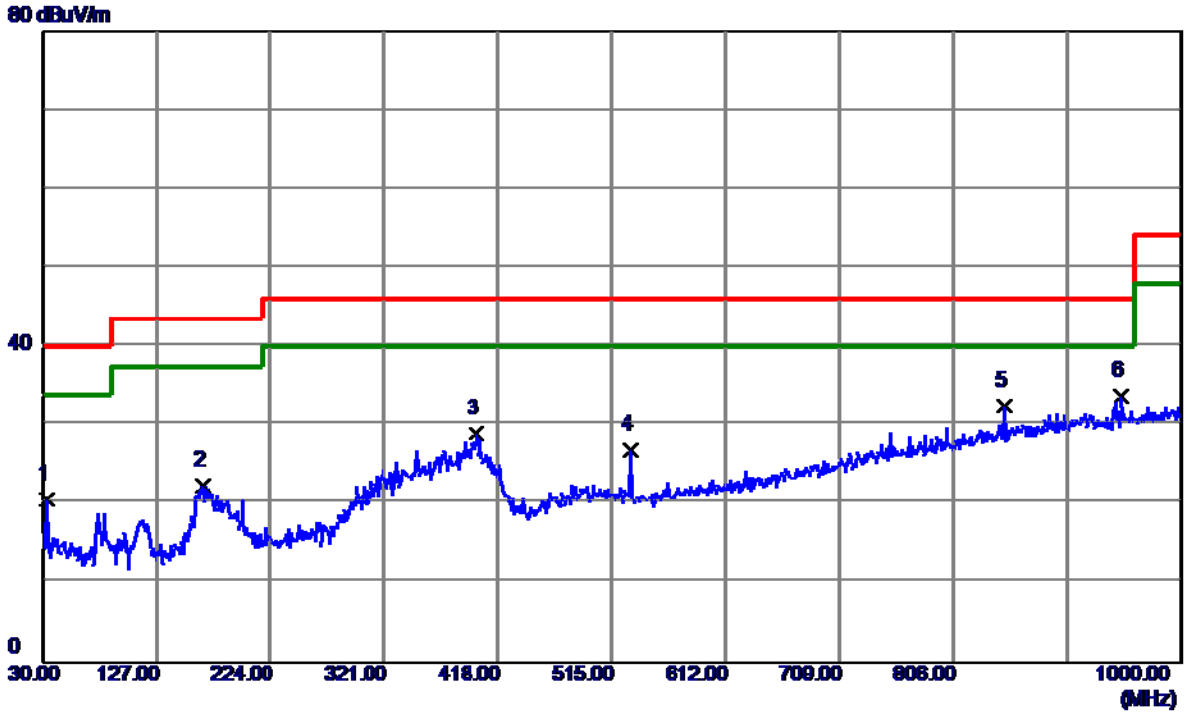
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	32.9100	42.55	-14.89	27.66	40.00	-12.34	Peak	
2	56.1900	40.93	-13.95	26.98	40.00	-13.02	Peak	
3	82.3800	44.52	-18.31	26.21	40.00	-13.79	Peak	
4	119.2400	42.03	-15.46	26.57	43.50	-16.93	Peak	
5	180.3500	38.21	-12.07	26.14	43.50	-17.36	Peak	
6	228.8500	39.26	-14.10	25.16	46.00	-20.84	Peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: NBS40C120300M2

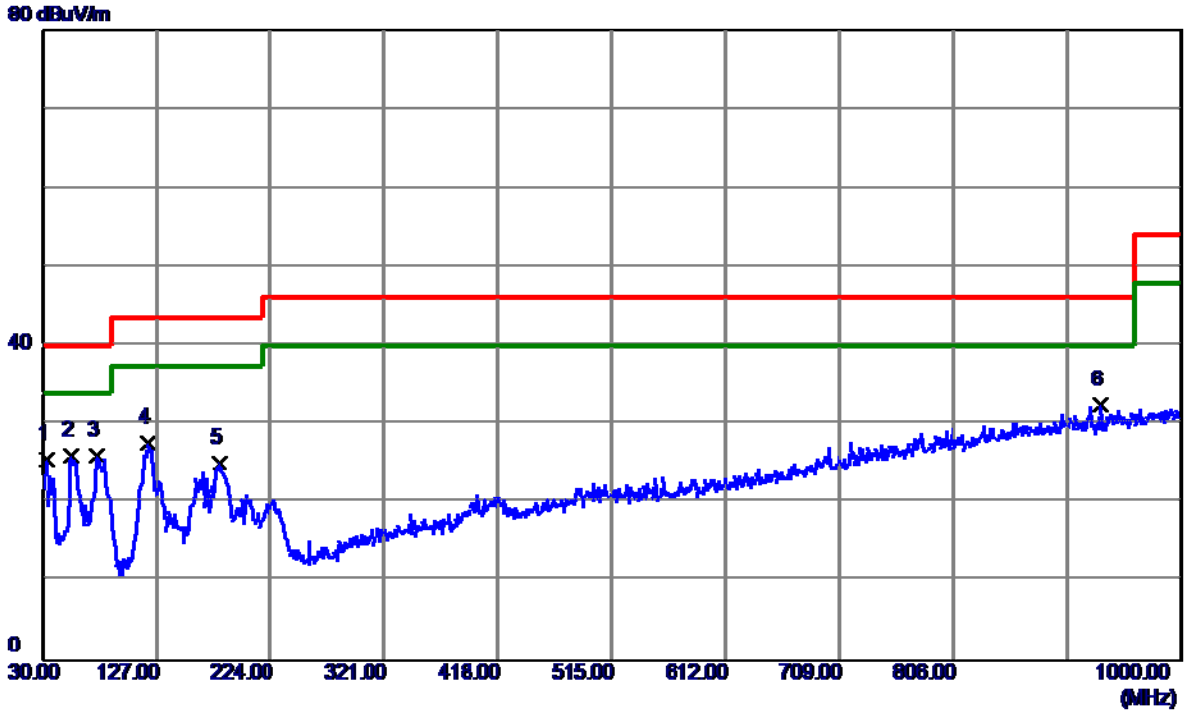
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	35.60	-14.89	20.71	40.00	-19.29	Peak	
2	166.7700	34.88	-12.53	22.35	43.50	-21.15	Peak	
3	399.5700	40.38	-11.37	29.01	46.00	-16.99	Peak	
4	531.4900	35.02	-8.09	26.93	46.00	-19.07	Peak	
5	850.6200	32.53	0.01	32.54	46.00	-13.46	Peak	
6 *	949.5600	31.80	1.99	33.79	46.00	-12.21	Peak	

Test Mode:	UNII-1/TX A Mode 5200MHz_ Adapter: NBS40C120300M2

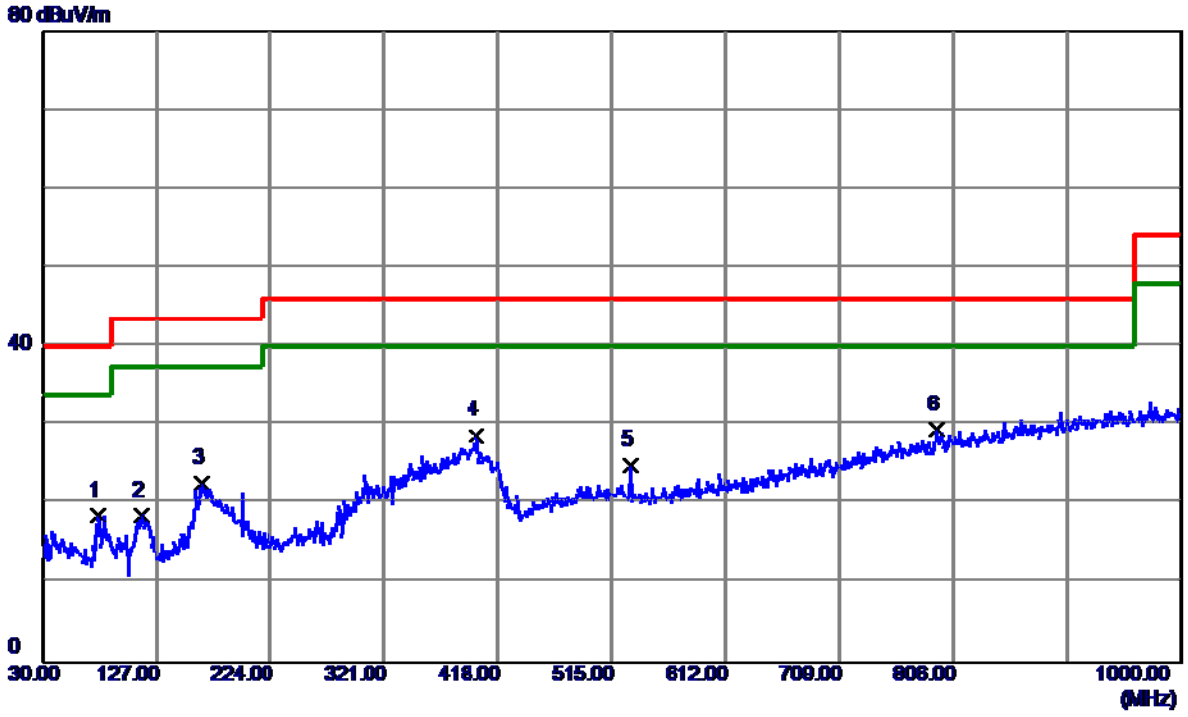
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	40.47	-14.89	25.58	40.00	-14.42	Peak	
2	55.2200	40.01	-13.94	26.07	40.00	-13.93	Peak	
3	76.5600	43.47	-17.44	26.03	40.00	-13.97	Peak	
4	119.2400	43.09	-15.46	27.63	43.50	-15.87	Peak	
5	181.3200	37.34	-12.15	25.19	43.50	-18.31	Peak	
6 *	932.1000	30.81	1.65	32.46	46.00	-13.54	Peak	

Test Mode:	UNII-1/TX A Mode 5200MHz_ Adapter: NBS40C120300M2

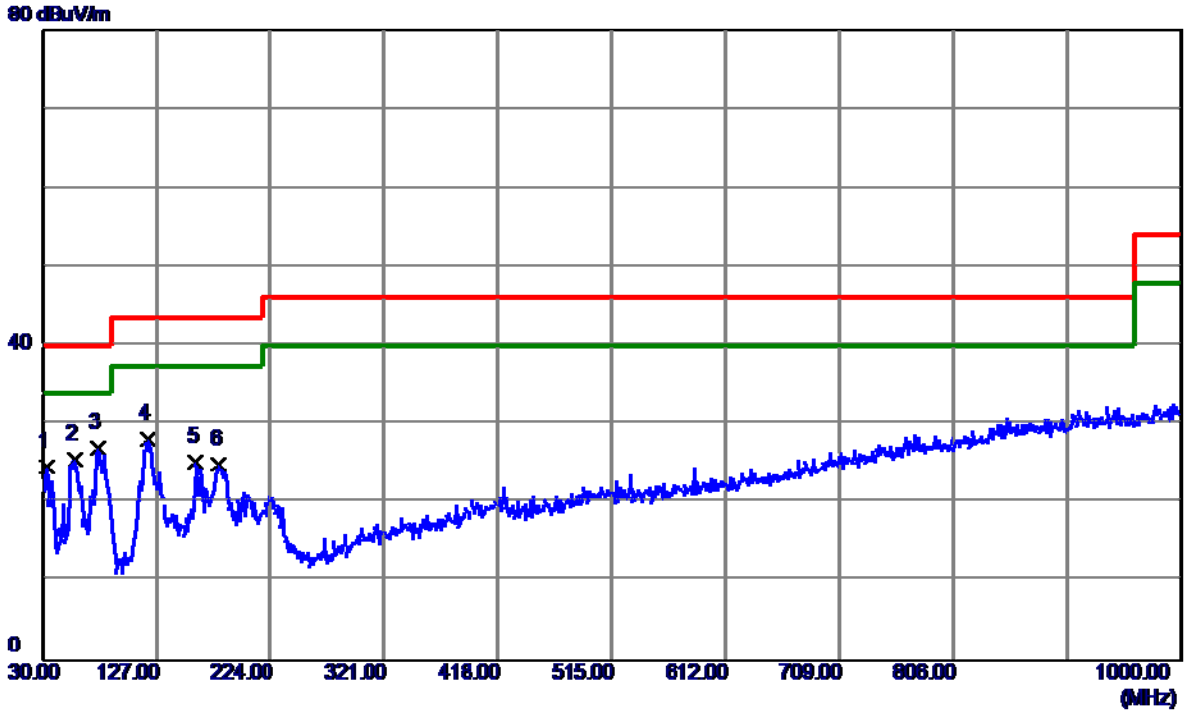
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77.5300	36.29	-17.67	18.62	40.00	-21.38	Peak	
2	114.3900	34.42	-15.84	18.58	43.50	-24.92	Peak	
3	165.8000	35.27	-12.58	22.69	43.50	-20.81	Peak	
4	399.5700	40.09	-11.37	28.72	46.00	-17.28	Peak	
5	531.4900	33.07	-8.09	24.98	46.00	-21.02	Peak	
6 *	792.4200	30.95	-1.52	29.43	46.00	-16.57	Peak	

Test Mode:	UNII-1/TX A Mode 5240MHz_ Adapter: NBS40C120300M2

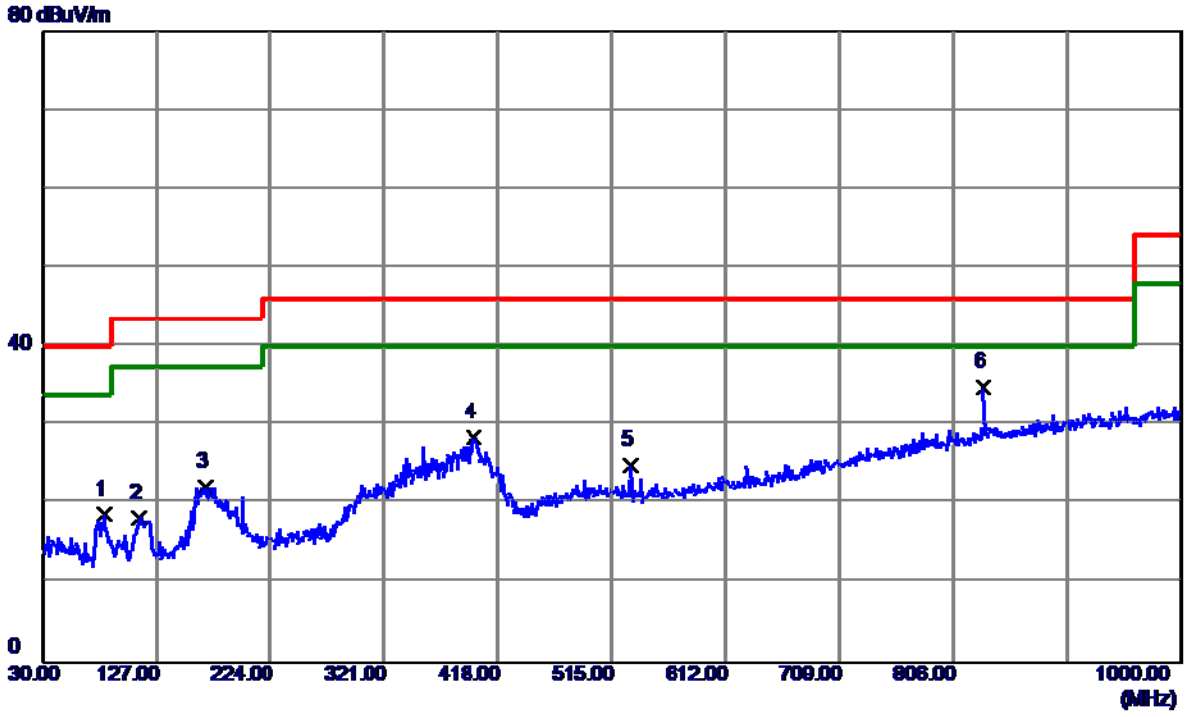
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	39.54	-14.89	24.65	40.00	-15.35	Peak	
2	58.1300	39.68	-14.13	25.55	40.00	-14.45	Peak	
3 *	77.5300	44.67	-17.67	27.00	40.00	-13.00	Peak	
4	119.2400	43.69	-15.46	28.23	43.50	-15.27	Peak	
5	160.9500	38.13	-12.87	25.26	43.50	-18.24	Peak	
6	180.3500	36.98	-12.07	24.91	43.50	-18.59	Peak	

Test Mode:	UNII-1/TX A Mode 5240MHz_ Adapter: NBS40C120300M2

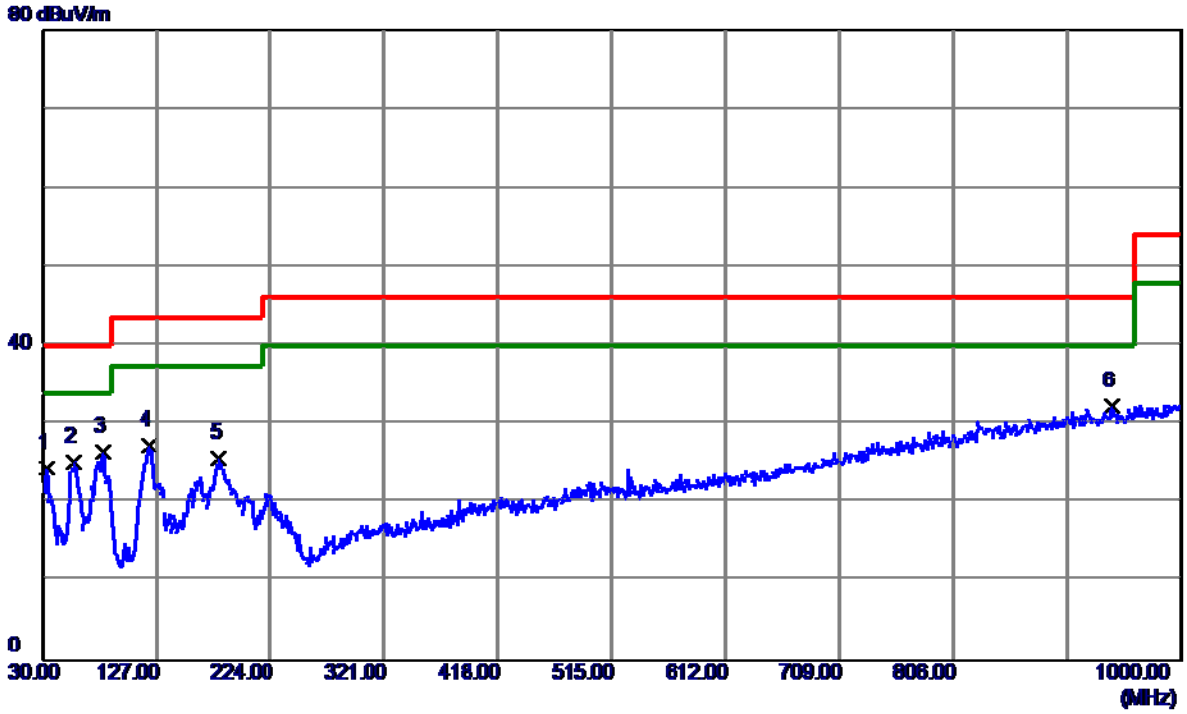
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	82.3800	37.08	-18.31	18.77	40.00	-21.23	Peak	
2	111.4800	34.37	-16.07	18.30	43.50	-25.20	Peak	
3	168.7100	34.69	-12.41	22.28	43.50	-21.22	Peak	
4	397.6300	39.80	-11.39	28.41	46.00	-17.59	Peak	
5	531.4900	33.03	-8.09	24.94	46.00	-21.06	Peak	
6 *	832.1900	35.42	-0.48	34.94	46.00	-11.06	Peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_ Adapter: NBS40C120300M2

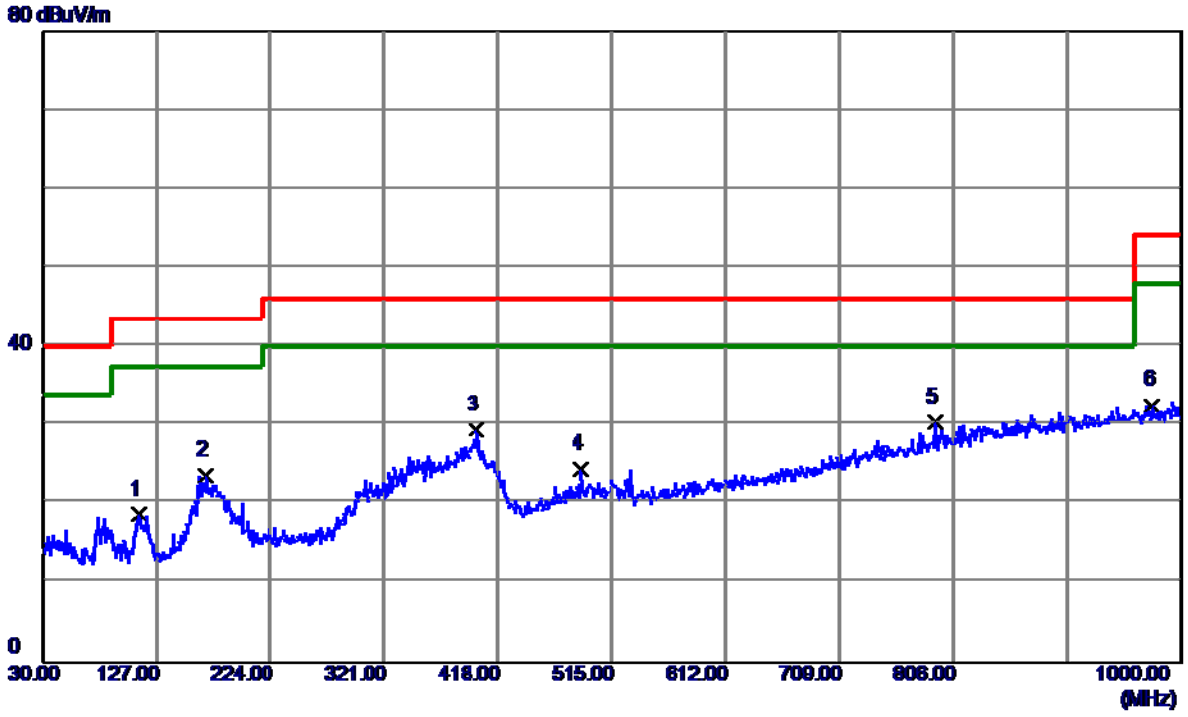
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	39.30	-14.89	24.41	40.00	-15.59	Peak	
2	57.1600	39.32	-14.04	25.28	40.00	-14.72	Peak	
3 *	81.4100	44.87	-18.28	26.59	40.00	-13.41	Peak	
4	120.2100	42.76	-15.38	27.38	43.50	-16.12	Peak	
5	180.3500	37.88	-12.07	25.81	43.50	-17.69	Peak	
6	941.8000	30.43	1.84	32.27	46.00	-13.73	Peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_ Adapter: NBS40C120300M2

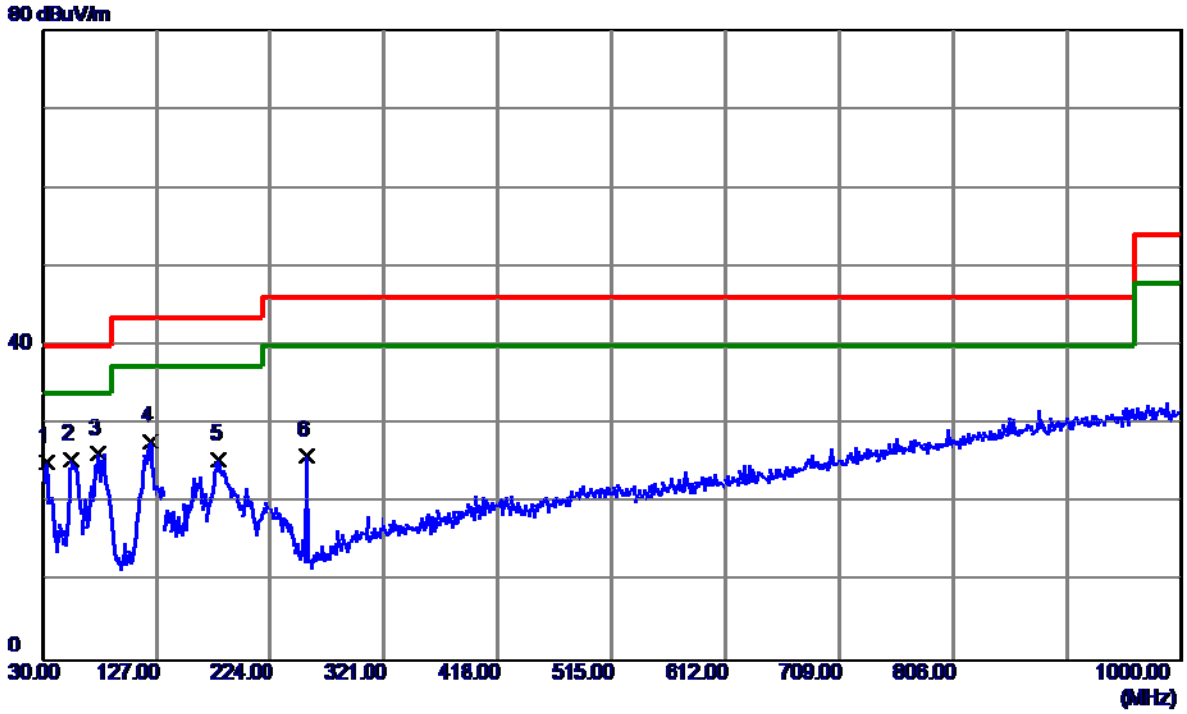
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	111.4800	34.80	-16.07	18.73	43.50	-24.77	Peak	
2	168.7100	36.05	-12.41	23.64	43.50	-19.86	Peak	
3	399.5700	40.76	-11.37	29.39	46.00	-16.61	Peak	
4	488.8100	33.49	-8.99	24.50	46.00	-21.50	Peak	
5 *	790.4800	31.96	-1.57	30.39	46.00	-15.61	Peak	
6	975.7500	30.07	2.49	32.56	54.00	-21.44	Peak	

Test Mode:	UNII-3/TX A Mode 5785MHz_ Adapter: NBS40C120300M2

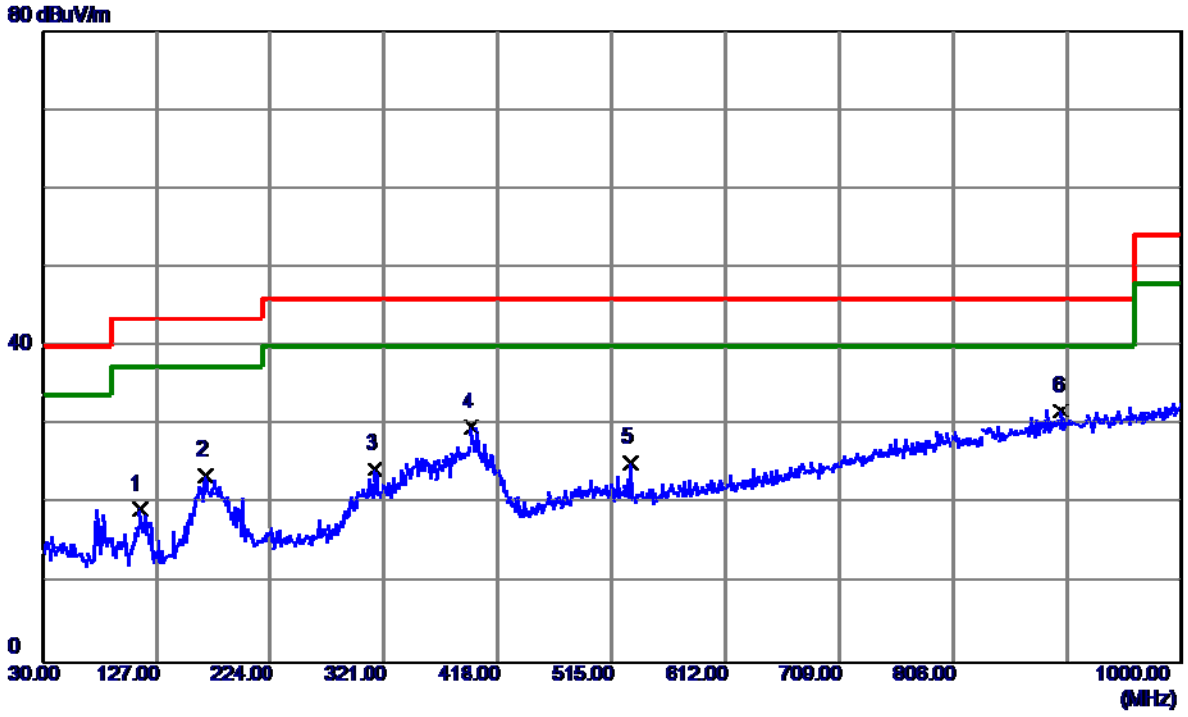
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	32.9100	40.10	-14.89	25.21	40.00	-14.79	Peak	
2	55.2200	39.54	-13.94	25.60	40.00	-14.40	Peak	
3 *	77.5300	43.99	-17.67	26.32	40.00	-13.68	Peak	
4	121.1800	43.09	-15.32	27.77	43.50	-15.73	Peak	
5	180.3500	37.64	-12.07	25.57	43.50	-17.93	Peak	
6	255.0400	41.42	-15.30	26.12	46.00	-19.88	Peak	

Test Mode:	UNII-3/TX A Mode 5785MHz_ Adapter: NBS40C120300M2

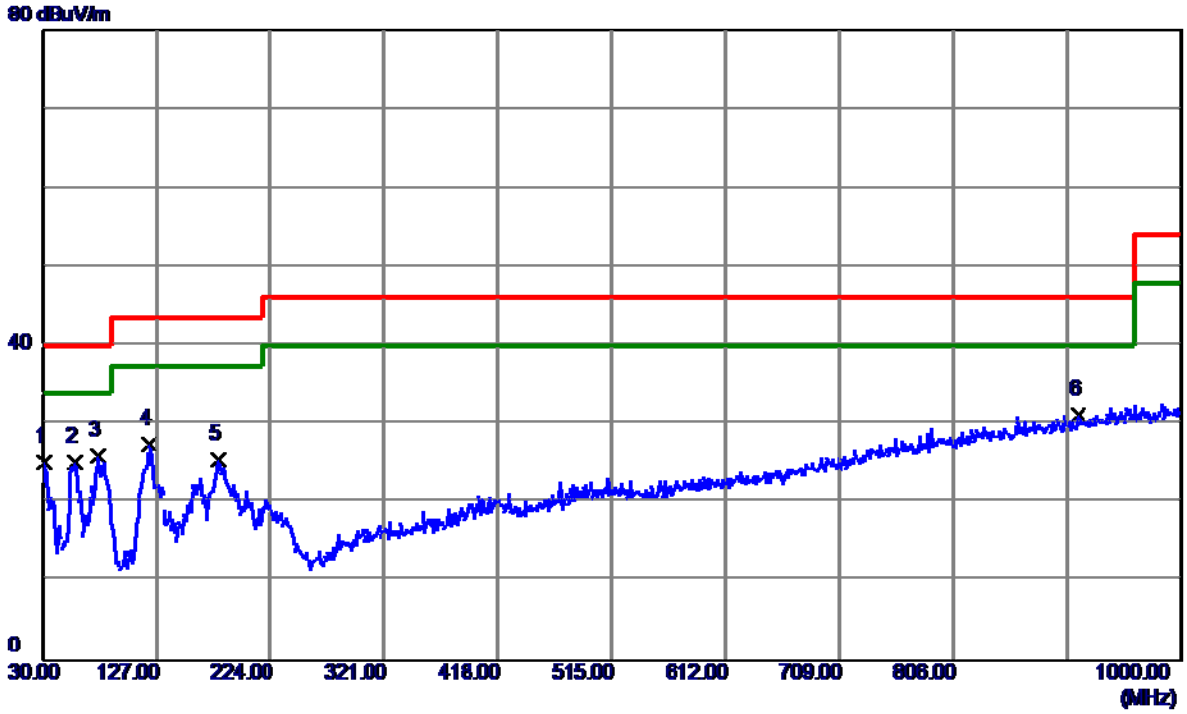
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	112.4500	35.37	-16.00	19.37	43.50	-24.13	Peak	
2	168.7100	36.07	-12.41	23.66	43.50	-19.84	Peak	
3	313.2400	37.06	-12.60	24.46	46.00	-21.54	Peak	
4	395.6900	41.15	-11.41	29.74	46.00	-16.26	Peak	
5	531.4900	33.40	-8.09	25.31	46.00	-20.69	Peak	
6 *	898.1500	30.92	0.99	31.91	46.00	-14.09	Peak	

Test Mode:	UNII-3/TX A Mode 5825MHz_ Adapter: NBS40C120300M2

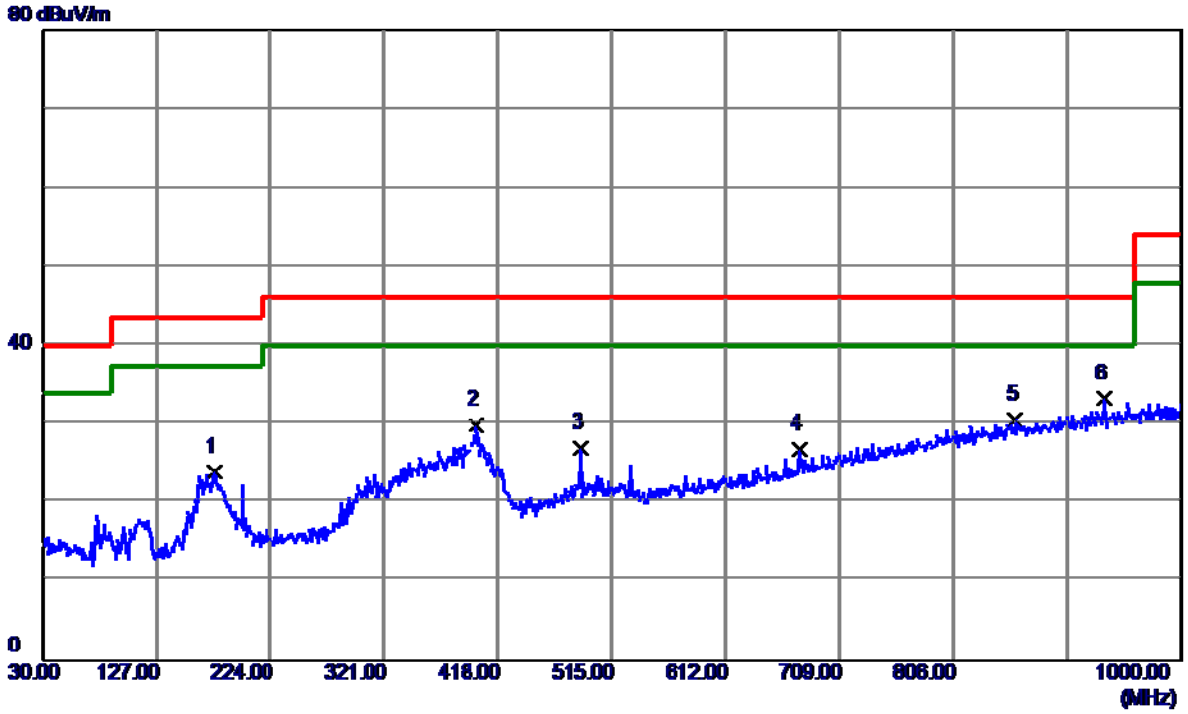
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	30.9700	40.48	-15.14	25.34	40.00	-14.66	Peak	
2	58.1300	39.39	-14.13	25.26	40.00	-14.74	Peak	
3 *	77.5300	43.77	-17.67	26.10	40.00	-13.90	Peak	
4	120.2100	42.83	-15.38	27.45	43.50	-16.05	Peak	
5	179.3800	37.59	-12.06	25.53	43.50	-17.97	Peak	
6	912.7000	29.97	1.28	31.25	46.00	-14.75	Peak	

Test Mode:	UNII-3/TX A Mode 5825MHz_ Adapter: NBS40C120300M2

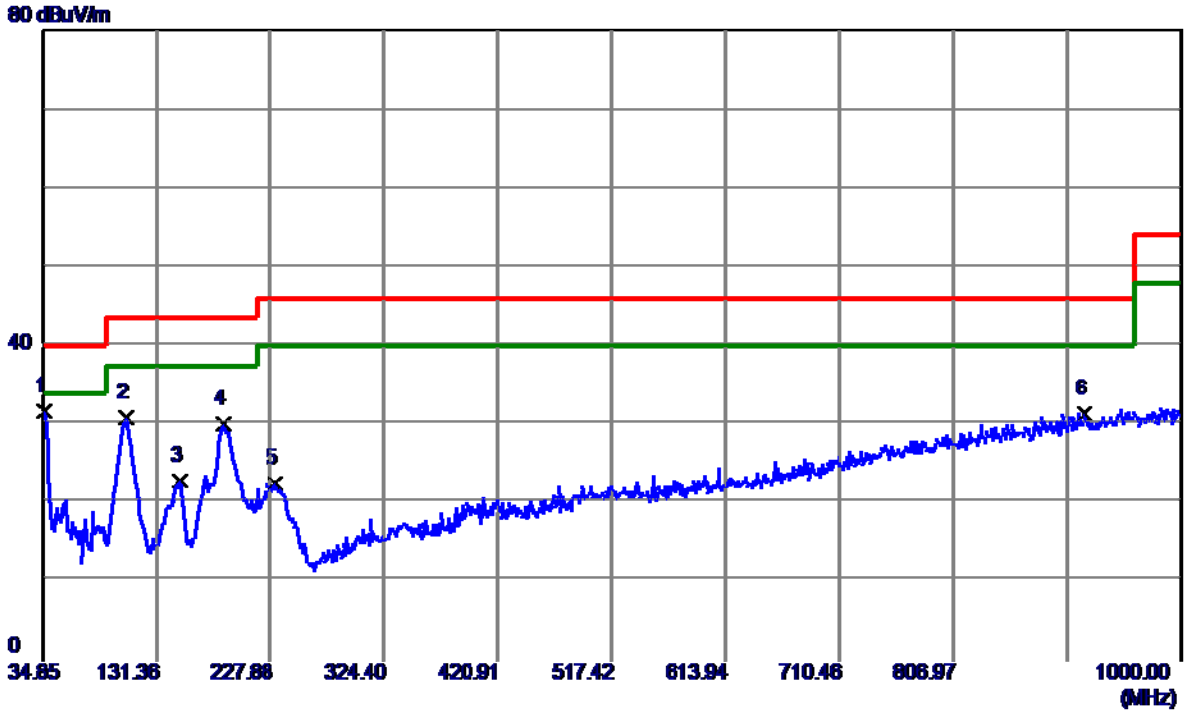
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	176.4700	36.15	-12.14	24.01	43.50	-19.49	Peak	
2	399.5700	41.22	-11.37	29.85	46.00	-16.15	Peak	
3	488.8100	36.02	-8.99	27.03	46.00	-18.97	Peak	
4	676.0200	31.61	-4.68	26.93	46.00	-19.07	Peak	
5	859.3500	30.43	0.19	30.62	46.00	-15.38	Peak	
6 *	935.0100	31.50	1.71	33.21	46.00	-12.79	Peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: SOY-1200300US

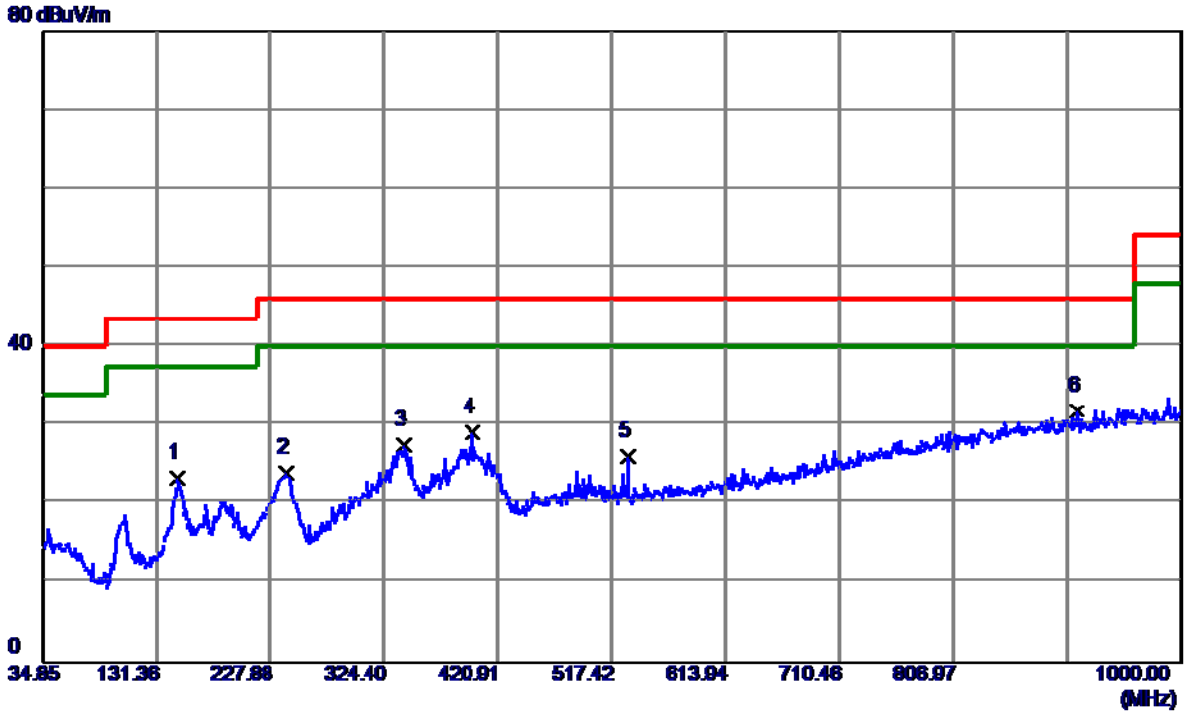
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	35.8152	46.25	-14.51	31.74	40.00	-8.26	Peak	
2	105.3059	47.72	-16.80	30.92	43.50	-12.58	Peak	
3	151.6332	36.28	-13.43	22.85	43.50	-20.65	Peak	
4	188.3088	42.73	-12.71	30.02	43.50	-13.48	Peak	
5	232.7057	36.81	-14.19	22.62	46.00	-23.38	Peak	
6	918.9274	29.91	1.40	31.31	46.00	-14.69	Peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: SOY-1200300US

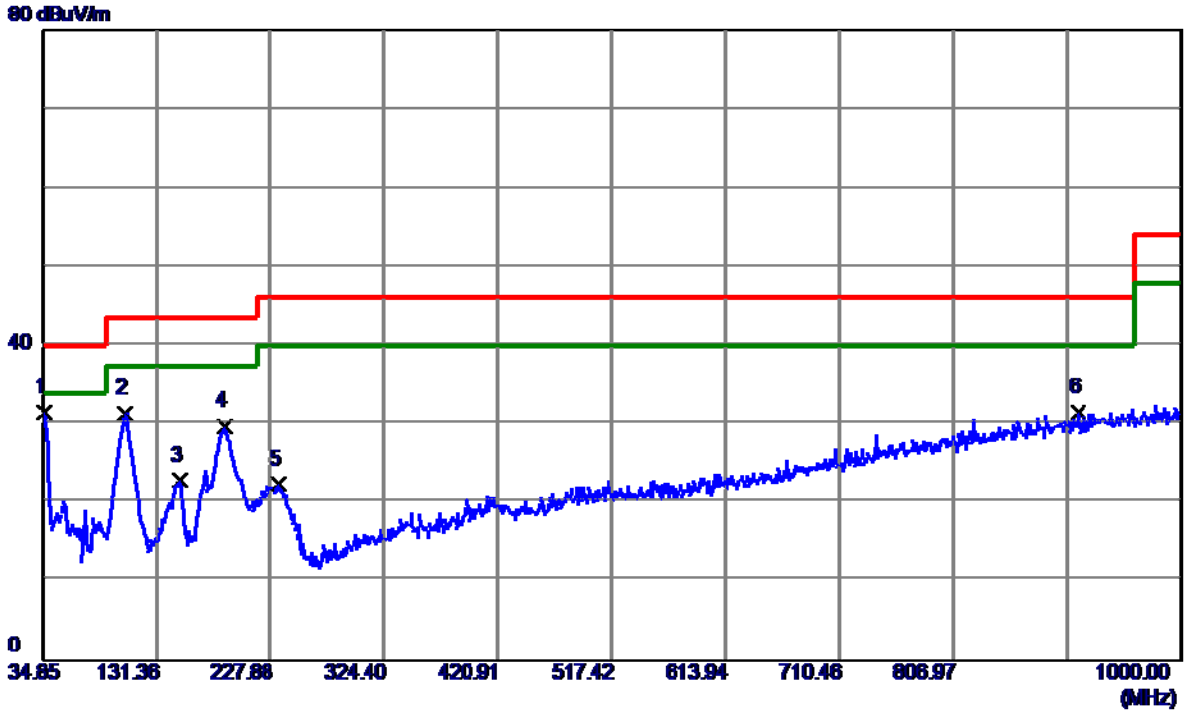
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	149.7029	36.91	-13.55	23.36	43.50	-20.14	Peak	
2	241.3921	38.40	-14.43	23.97	46.00	-22.03	Peak	
3	341.7677	39.63	-12.10	27.53	46.00	-18.47	Peak	
4	399.6767	40.41	-11.36	29.05	46.00	-16.95	Peak	
5	530.9371	34.18	-8.10	26.08	46.00	-19.92	Peak	
6 *	912.1713	30.60	1.26	31.86	46.00	-14.14	Peak	

Test Mode:	UNII-1/TX A Mode 5200MHz_ Adapter: SOY-1200300US

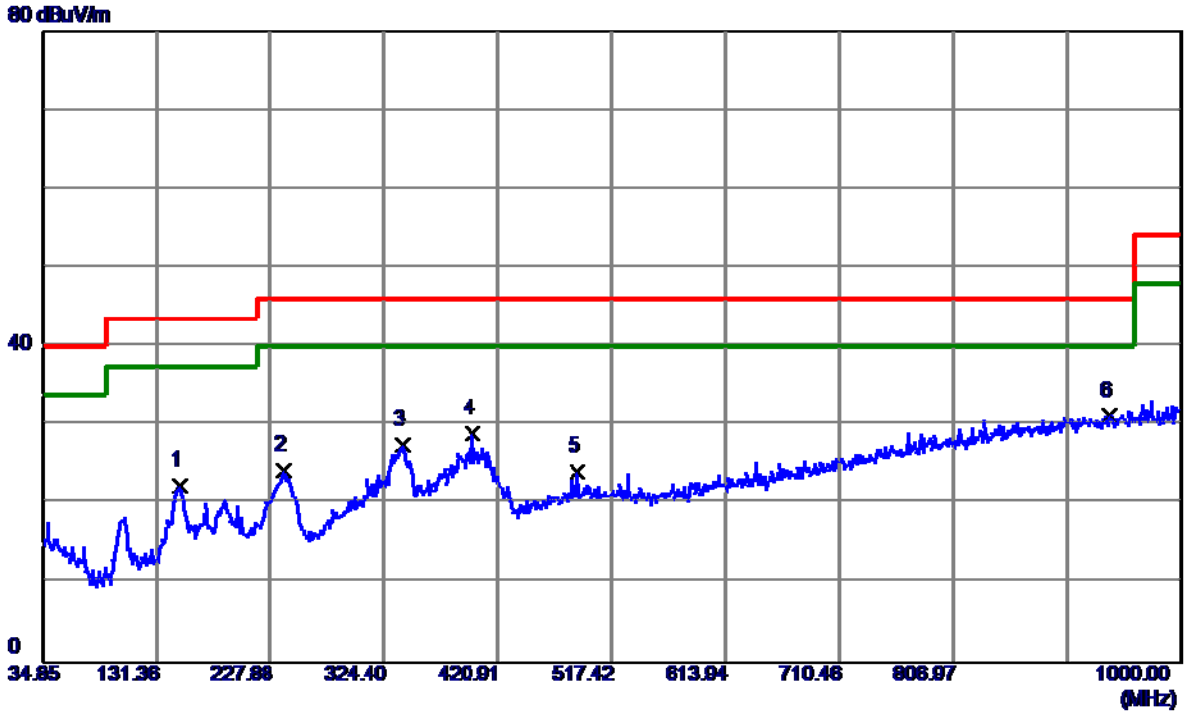
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	35.8152	46.09	-14.51	31.58	40.00	-8.42	Peak	
2	104.3408	48.25	-16.92	31.33	43.50	-12.17	Peak	
3	151.6332	36.30	-13.43	22.87	43.50	-20.63	Peak	
4	189.2739	42.52	-12.79	29.73	43.50	-13.77	Peak	
5	235.6012	36.66	-14.26	22.40	46.00	-23.60	Peak	
6	913.1365	30.23	1.28	31.51	46.00	-14.49	Peak	

Test Mode:	UNII-1/TX A Mode 5200MHz_ Adapter: SOY-1200300US

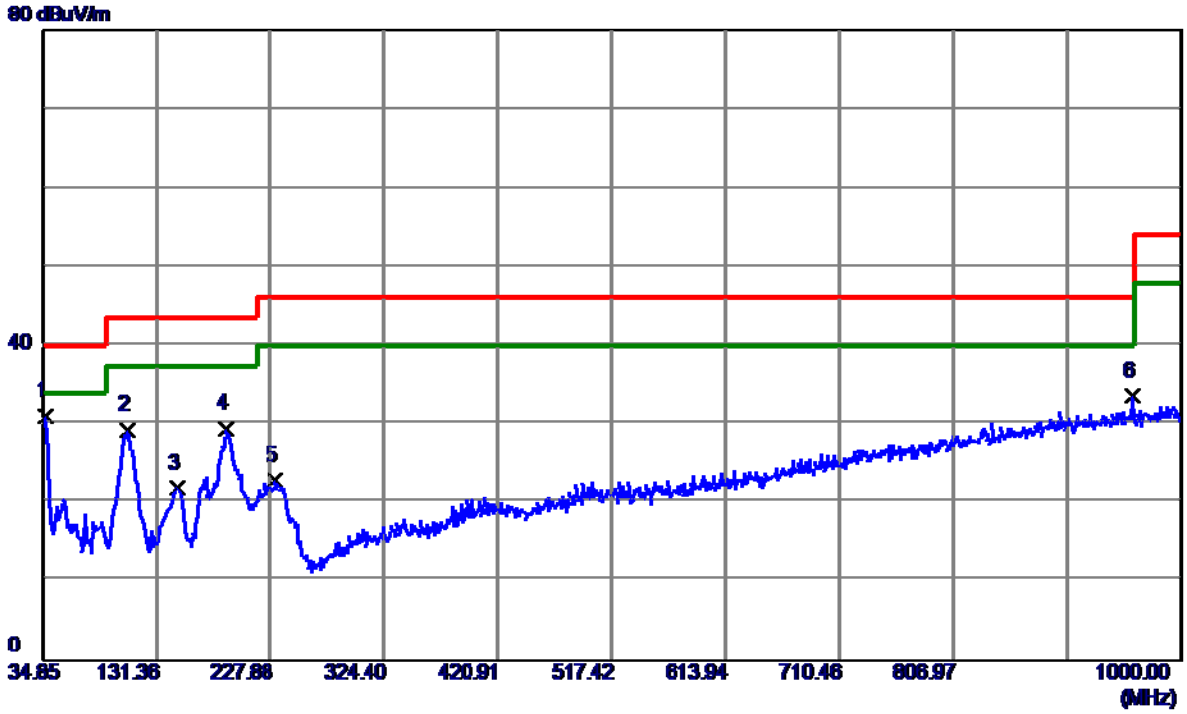
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	151.6332	35.76	-13.43	22.33	43.50	-21.17	Peak	
2	239.4618	38.63	-14.35	24.28	46.00	-21.72	Peak	
3	340.8025	39.65	-12.12	27.53	46.00	-18.47	Peak	
4	399.6767	40.33	-11.36	28.97	46.00	-17.03	Peak	
5	488.4705	33.22	-9.00	24.22	46.00	-21.78	Peak	
6 *	940.1607	29.34	1.81	31.15	46.00	-14.85	Peak	

Test Mode:	UNII-1/TX A Mode 5240MHz_ Adapter: SOY-1200300US

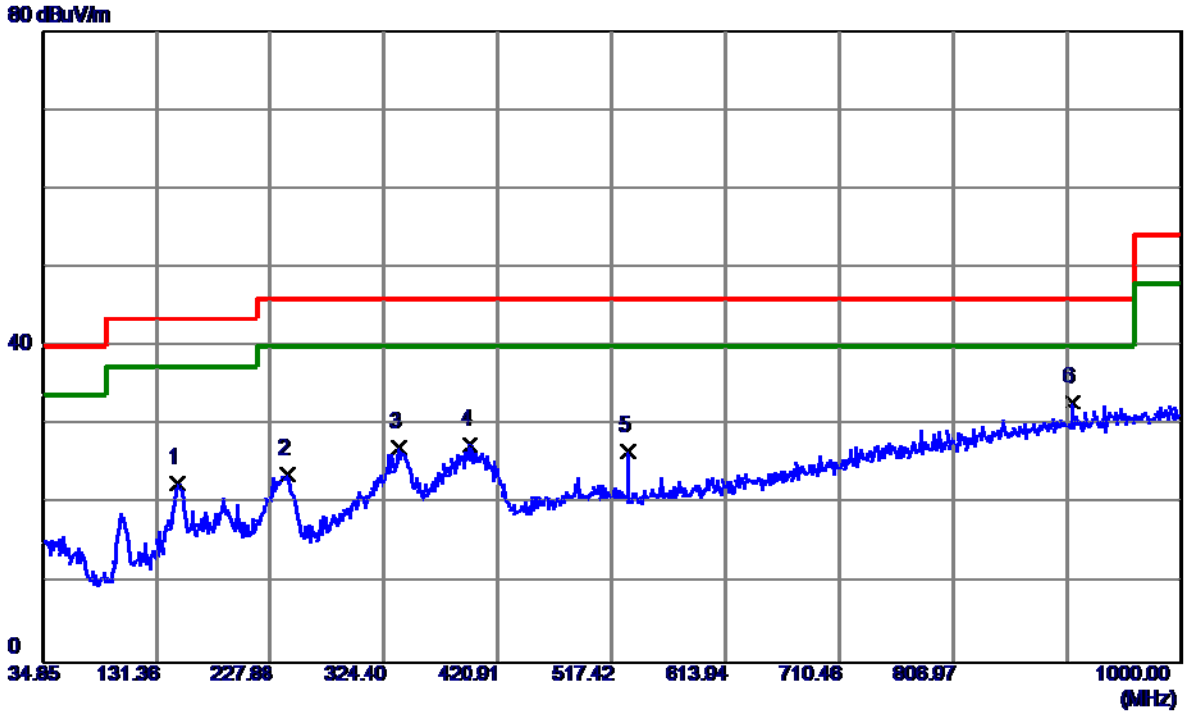
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	36.7803	45.41	-14.41	31.00	40.00	-9.00	Peak	
2	106.2711	45.94	-16.67	29.27	43.50	-14.23	Peak	
3	149.7029	35.53	-13.55	21.98	43.50	-21.52	Peak	
4	190.2390	42.26	-12.87	29.39	43.50	-14.11	Peak	
5	232.7057	37.01	-14.19	22.82	46.00	-23.18	Peak	
6	959.4637	31.37	2.18	33.55	46.00	-12.45	Peak	

Test Mode:	UNII-1/TX A Mode 5240MHz_ Adapter: SOY-1200300US

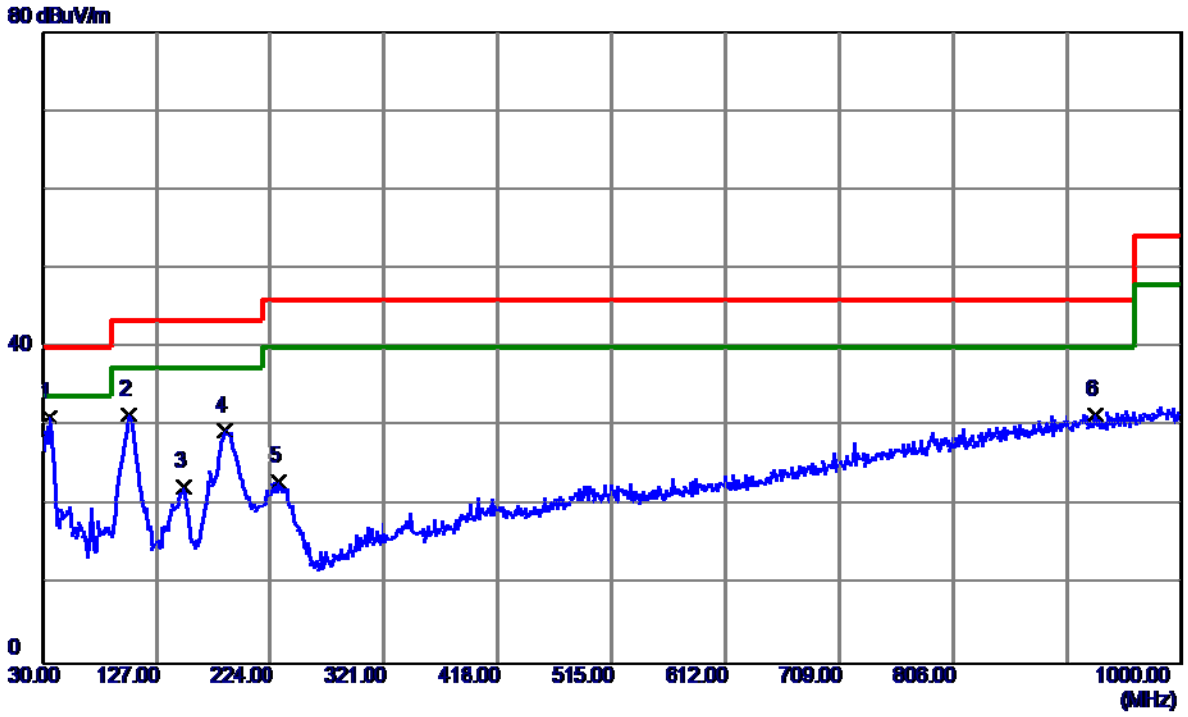
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	149.7029	36.29	-13.55	22.74	43.50	-20.76	Peak	
2	243.3224	38.44	-14.53	23.91	46.00	-22.09	Peak	
3	336.9420	39.39	-12.18	27.21	46.00	-18.79	Peak	
4	396.7813	38.97	-11.40	27.57	46.00	-18.43	Peak	
5	530.9371	34.88	-8.10	26.78	46.00	-19.22	Peak	
6 *	907.3456	31.76	1.17	32.93	46.00	-13.07	Peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_ Adapter: SOY-1200300US

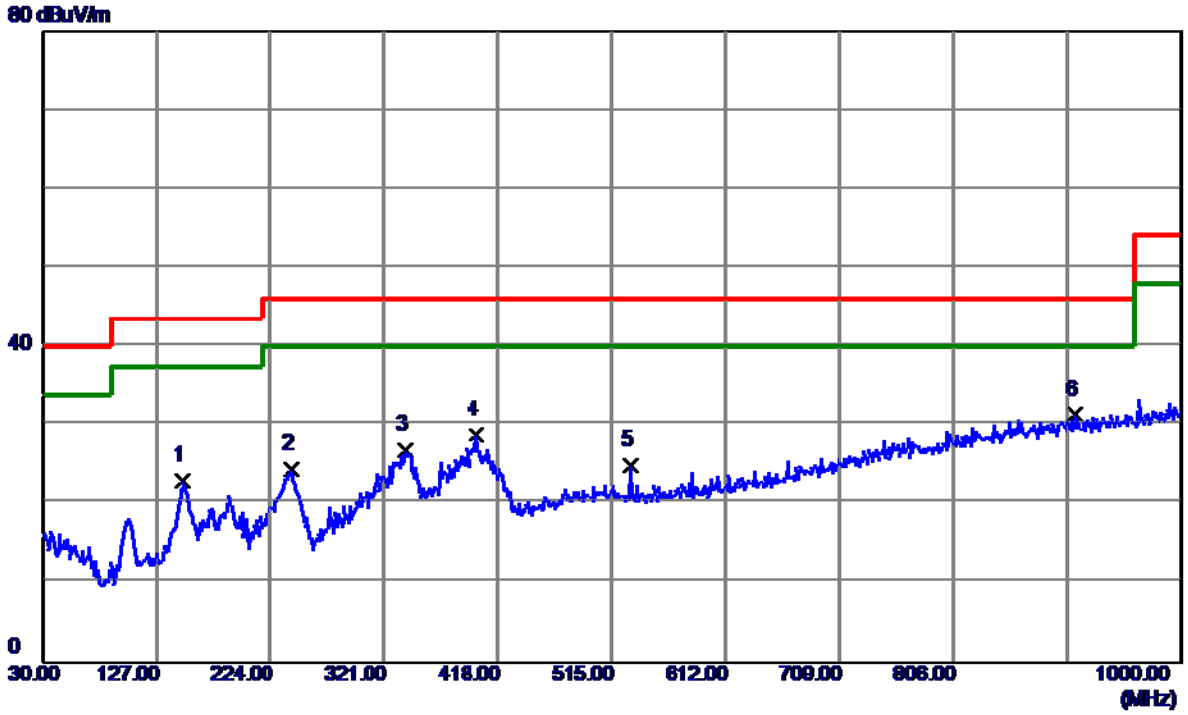
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	35.8200	45.77	-14.51	31.26	40.00	-8.74	Peak	
2	103.7200	48.51	-17.00	31.51	43.50	-11.99	Peak	
3	150.2800	35.97	-13.51	22.46	43.50	-21.04	Peak	
4	185.2000	41.95	-12.46	29.49	43.50	-14.01	Peak	
5	231.7600	37.19	-14.17	23.02	46.00	-22.98	Peak	
6	928.2200	30.00	1.57	31.57	46.00	-14.43	Peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_ Adapter: SOY-1200300US

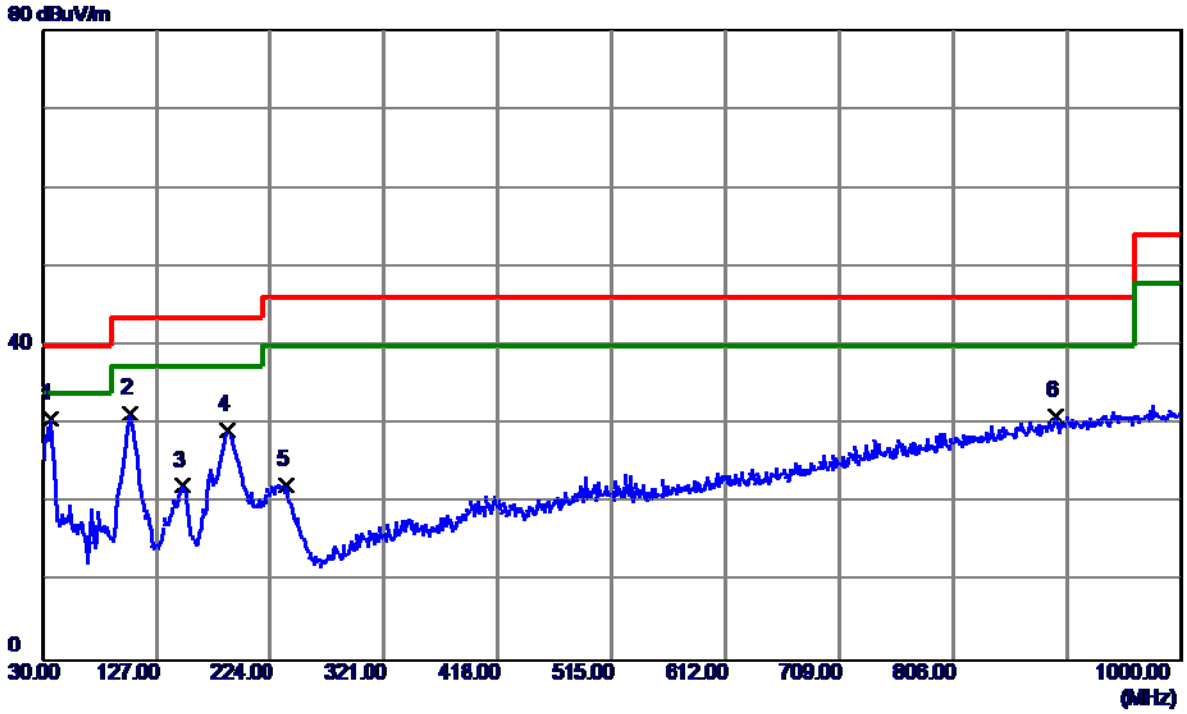
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	149.3100	36.57	-13.57	23.00	43.50	-20.50	Peak	
2	242.4300	38.90	-14.49	24.41	46.00	-21.59	Peak	
3	339.4300	39.03	-12.14	26.89	46.00	-19.11	Peak	
4	399.5700	40.22	-11.37	28.85	46.00	-17.15	Peak	
5	531.4900	33.06	-8.09	24.97	46.00	-21.03	Peak	
6 *	909.7900	30.07	1.22	31.29	46.00	-14.71	Peak	

Test Mode:	UNII-3/TX A Mode 5785MHz_ Adapter: SOY-1200300US

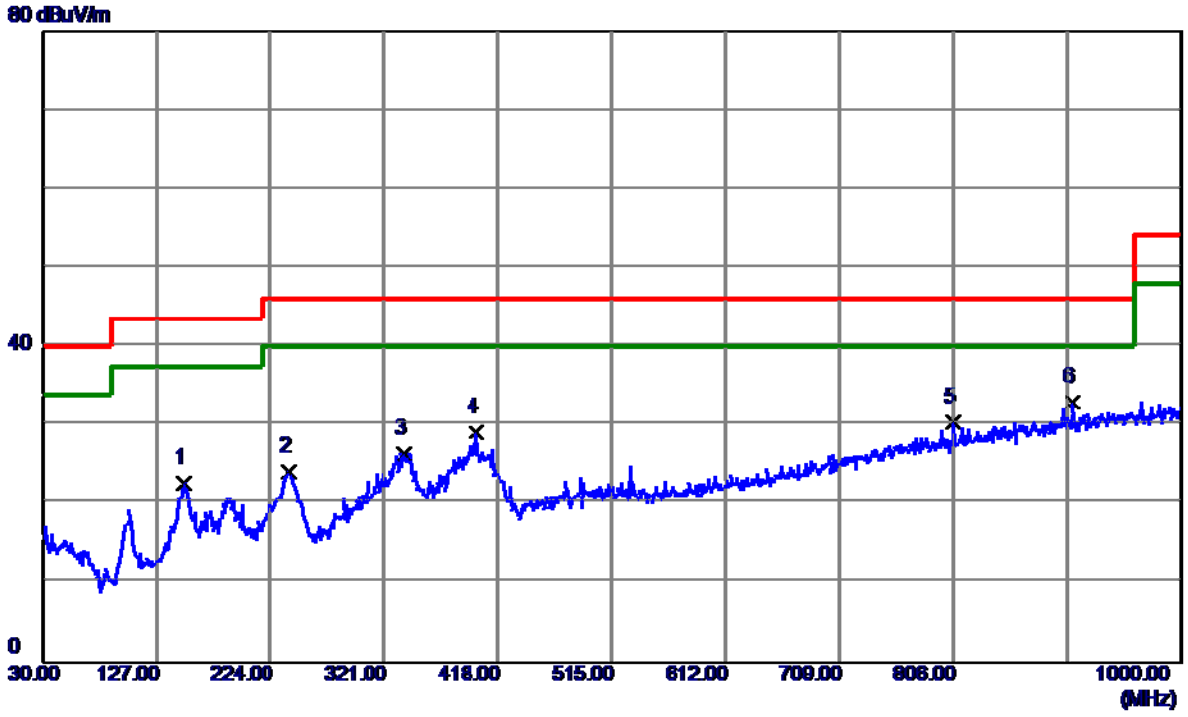
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	36.7900	45.20	-14.41	30.79	40.00	-9.21	Peak	
2	104.6900	48.30	-16.87	31.43	43.50	-12.07	Peak	
3	149.3100	35.74	-13.57	22.17	43.50	-21.33	Peak	
4	187.1400	41.86	-12.61	29.25	43.50	-14.25	Peak	
5	237.5800	36.62	-14.30	22.32	46.00	-23.68	Peak	
6	893.3000	30.18	0.89	31.07	46.00	-14.93	Peak	

Test Mode:	UNII-3/TX A Mode 5785MHz_ Adapter: SOY-1200300US

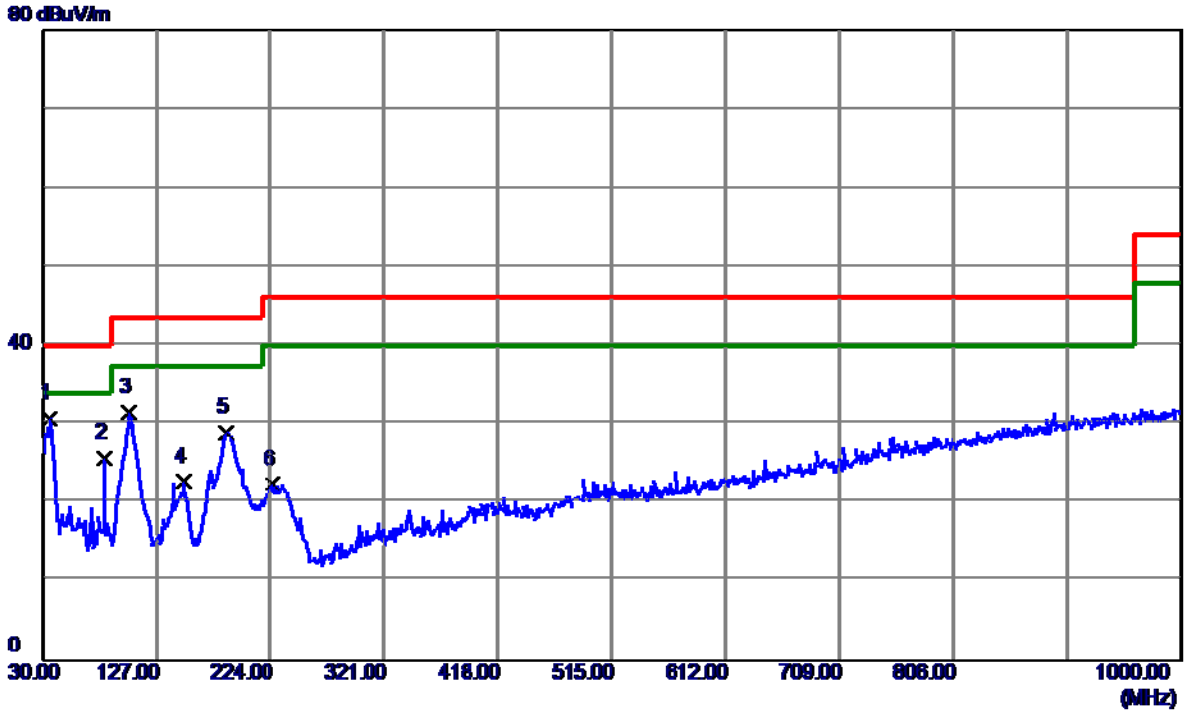
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	150.2800	36.26	-13.51	22.75	43.50	-20.75	Peak	
2	240.4900	38.57	-14.38	24.19	46.00	-21.81	Peak	
3	338.4600	38.63	-12.16	26.47	46.00	-19.53	Peak	
4	399.5700	40.53	-11.37	29.16	46.00	-16.84	Peak	
5	806.0000	31.62	-1.20	30.42	46.00	-15.58	Peak	
6 *	906.8800	31.75	1.16	32.91	46.00	-13.09	Peak	

Test Mode:	UNII-3/TX A Mode 5825MHz_ Adapter: SOY-1200300US

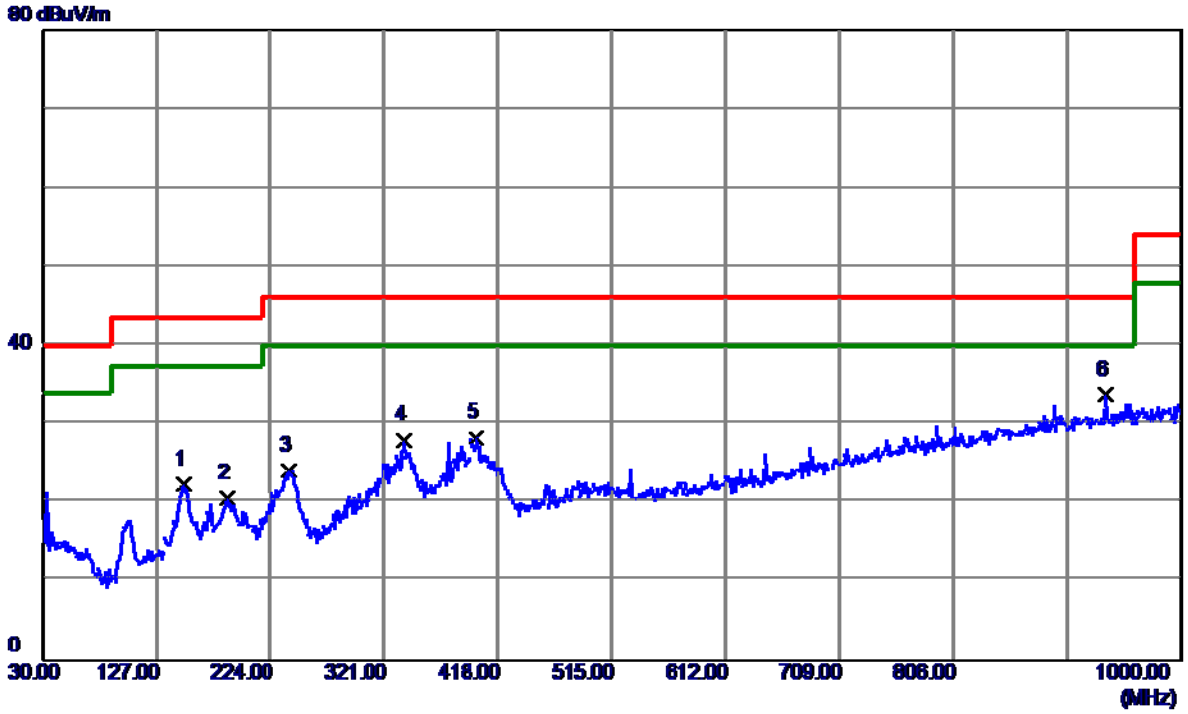
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	35.8200	45.30	-14.51	30.79	40.00	-9.21	Peak	
2	82.3800	44.12	-18.31	25.81	40.00	-14.19	Peak	
3	103.7200	48.54	-17.00	31.54	43.50	-11.96	Peak	
4	150.2800	36.25	-13.51	22.74	43.50	-20.76	Peak	
5	186.1700	41.51	-12.54	28.97	43.50	-14.53	Peak	
6	225.9400	36.41	-14.04	22.37	46.00	-23.63	Peak	

Test Mode:	UNII-3/TX A Mode 5825MHz_ Adapter: SOY-1200300US

Horizontal

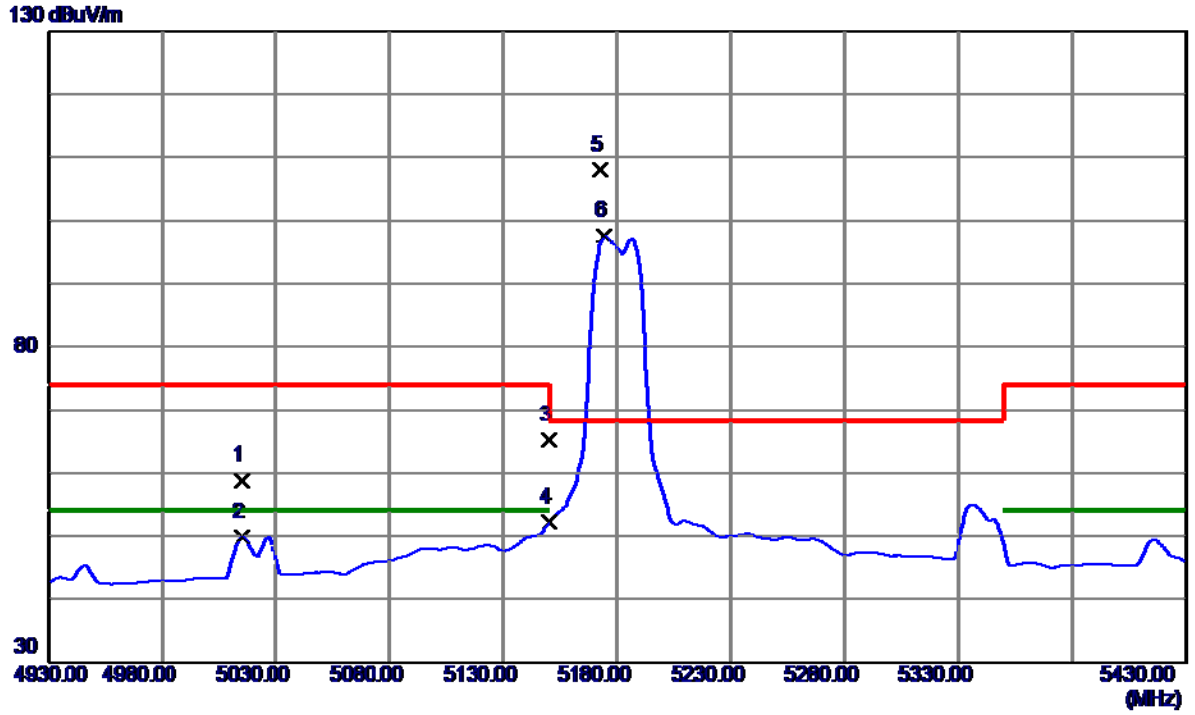


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	150.2800	35.93	-13.51	22.42	43.50	-21.08	Peak	
2	187.1400	33.25	-12.61	20.64	43.50	-22.86	Peak	
3	240.4900	38.58	-14.38	24.20	46.00	-21.80	Peak	
4	338.4600	40.16	-12.16	28.00	46.00	-18.00	Peak	
5	399.5700	39.75	-11.37	28.38	46.00	-17.62	Peak	
6 *	935.9800	32.11	1.72	33.83	46.00	-12.17	Peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

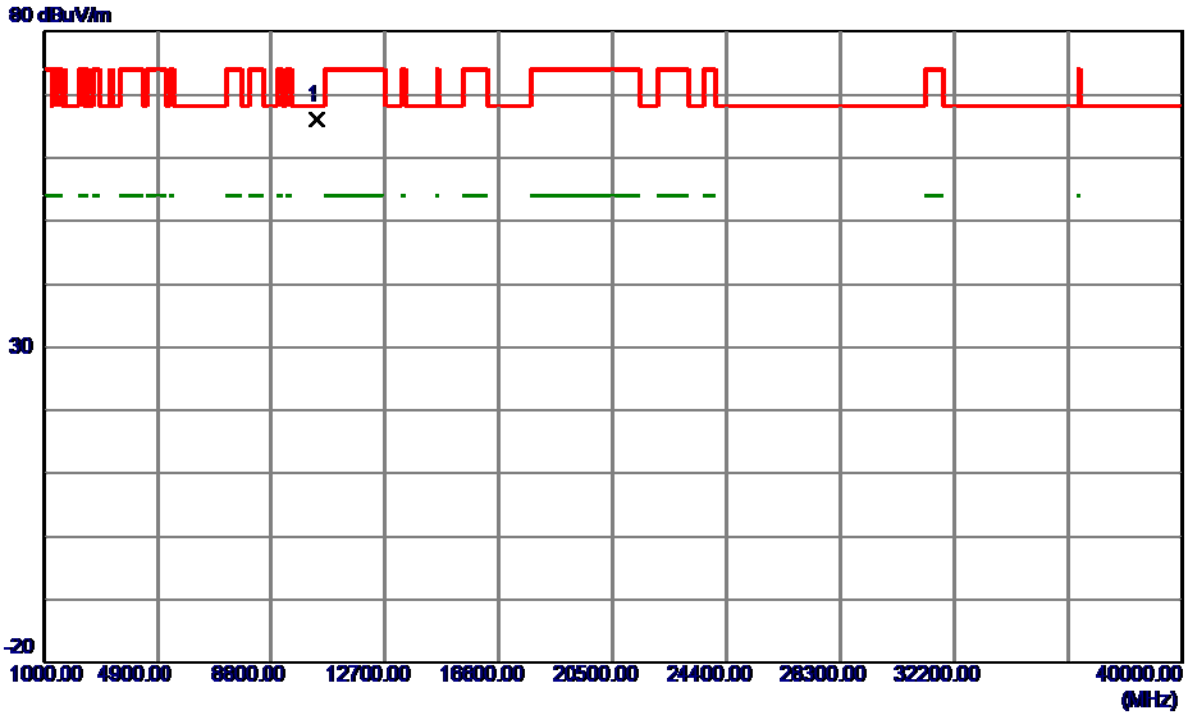
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5015.0000	18.43	40.42	58.85	74.00	-15.15	Peak	
2	5015.0000	9.41	40.42	49.83	54.00	-4.17	AVG	
3	5150.0000	24.10	41.10	65.20	74.00	-8.80	Peak	
4	5150.0000	11.01	41.10	52.11	54.00	-1.89	AVG	
5 *	5173.0000	66.80	41.22	108.02	68.30	39.72	Peak	No Limit
6	5174.5000	56.31	41.23	97.54	999.00	-901.46	AVG	No Limit

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

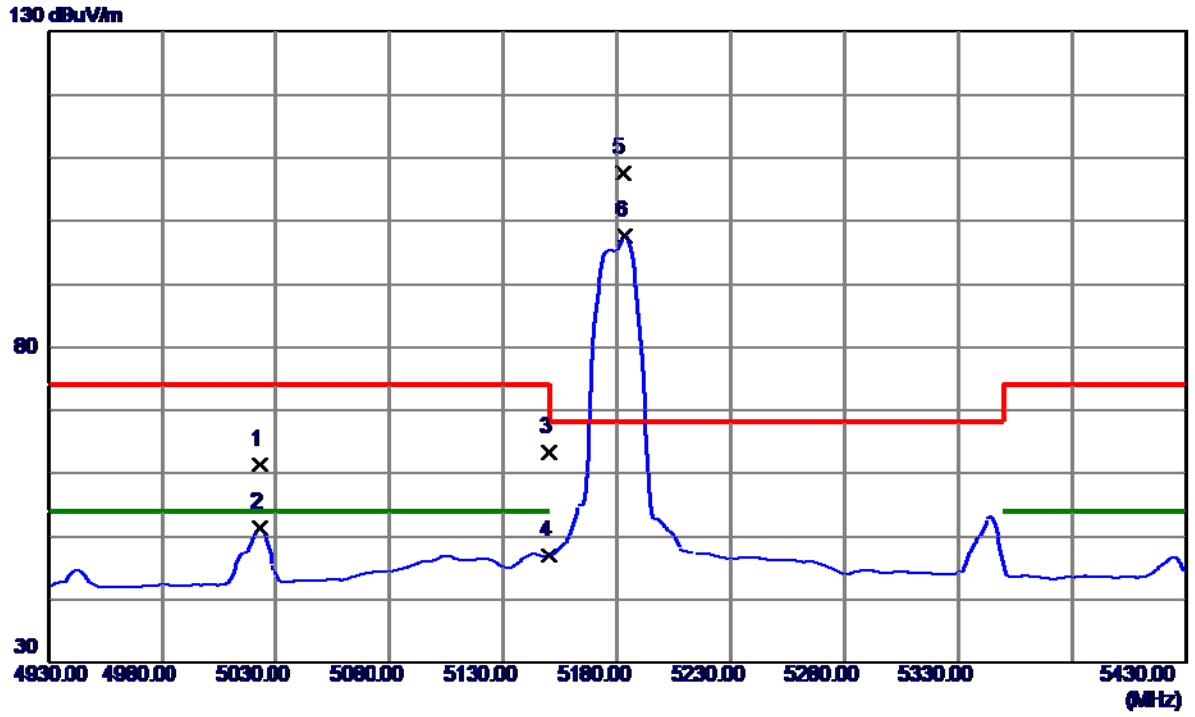
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10357.8720	49.58	16.33	65.91	68.30	-2.39	Peak	

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

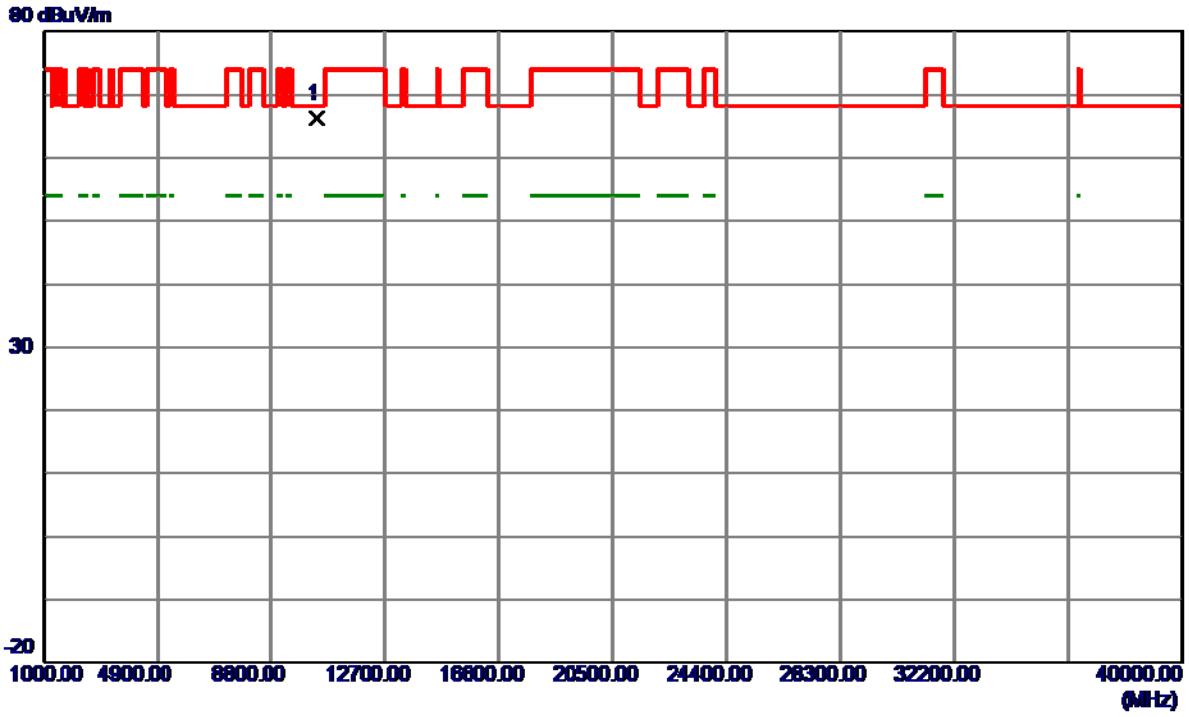
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5023.0000	20.94	40.46	61.40	74.00	-12.60	Peak	
2	5023.0000	10.88	40.46	51.34	54.00	-2.66	AVG	
3	5150.0000	22.35	41.10	63.45	74.00	-10.55	Peak	
4	5150.0000	5.90	41.10	47.00	54.00	-7.00	AVG	
5 *	5182.5000	66.28	41.27	107.55	68.30	39.25	Peak	No Limit
6	5183.5000	56.29	41.27	97.56	999.00	-901.44	AVG	No Limit

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

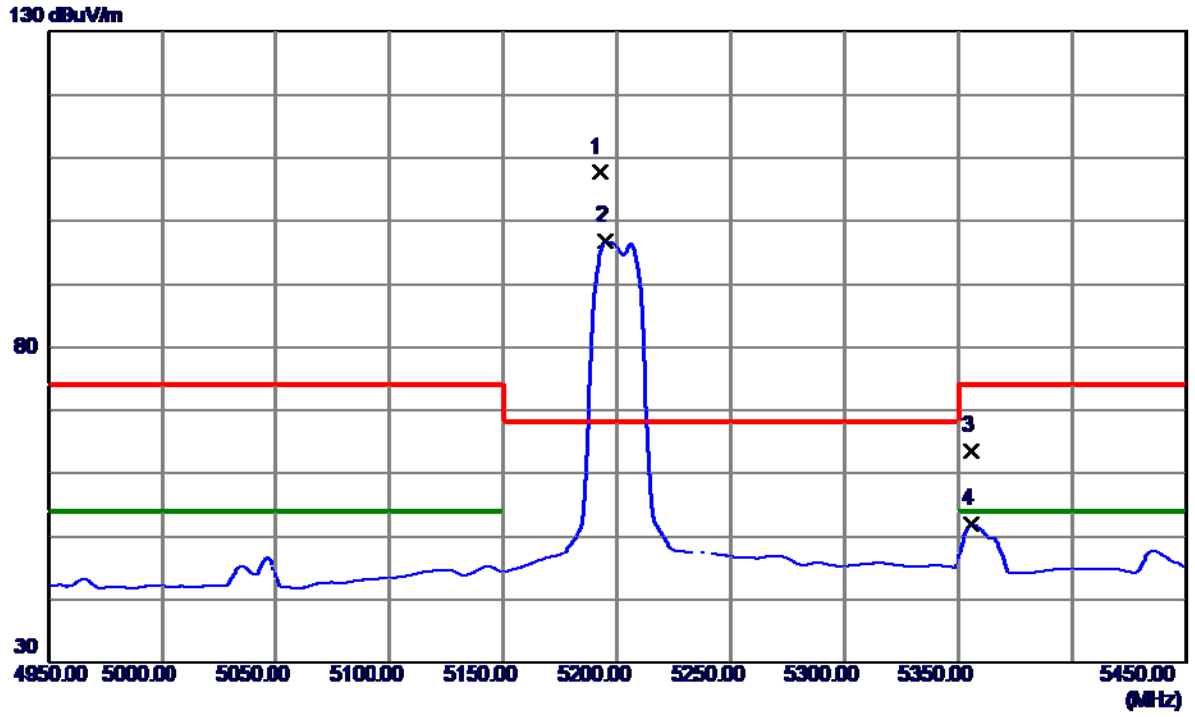
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10352.6000	49.99	16.31	66.30	68.30	-2.00	Peak	

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

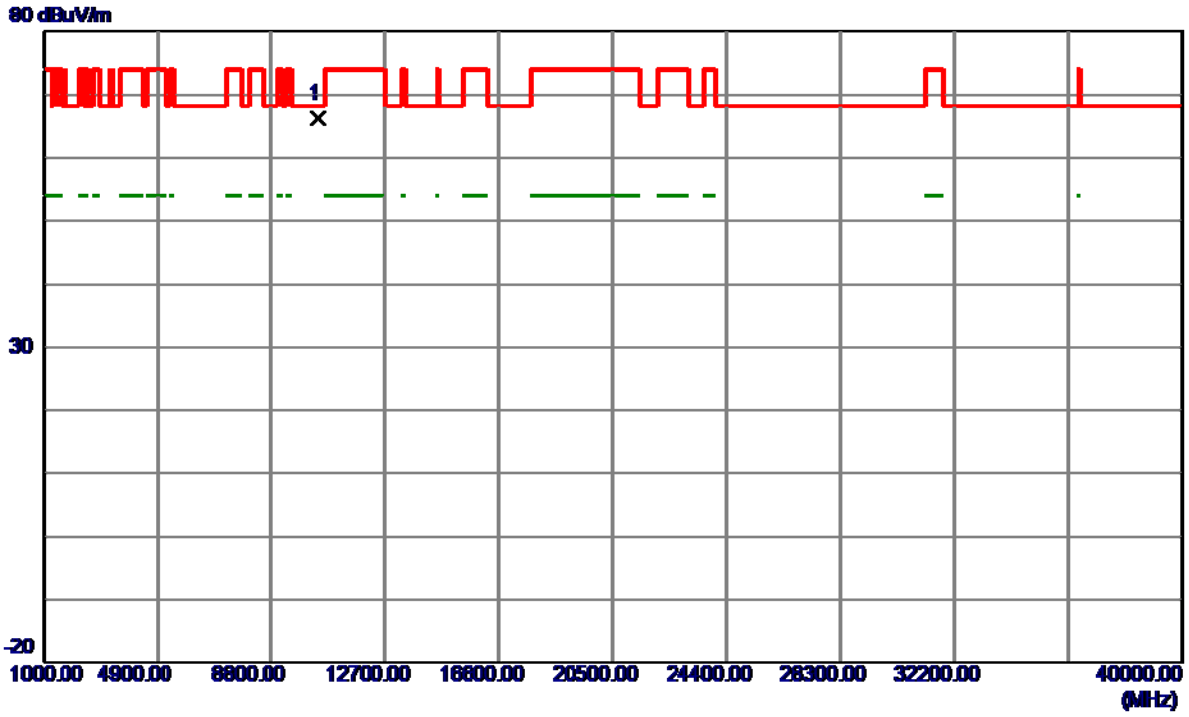
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5192.5000	66.38	41.32	107.70	68.30	39.40	Peak	No Limit
2	5195.0000	55.42	41.33	96.75	999.00	-902.25	AVG	No Limit
3	5355.5000	21.51	42.15	63.66	74.00	-10.34	Peak	
4	5355.5000	9.76	42.15	51.91	54.00	-2.09	AVG	

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

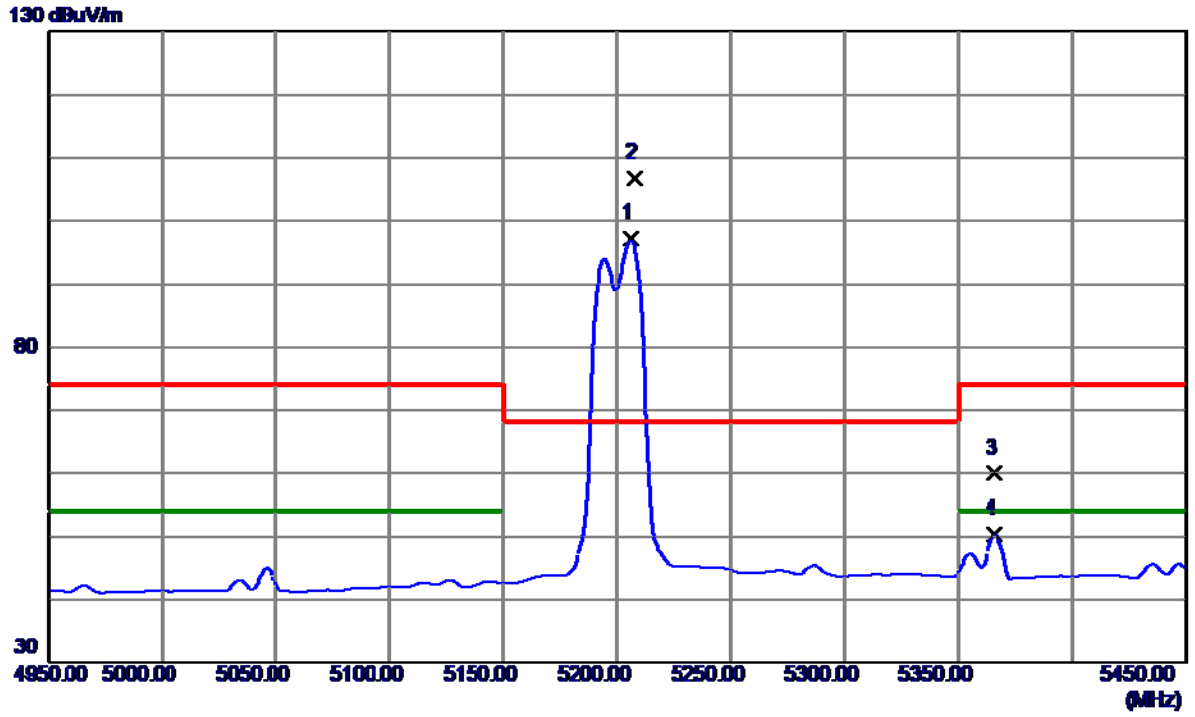
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10399.1520	49.69	16.44	66.13	68.30	-2.17	Peak	

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

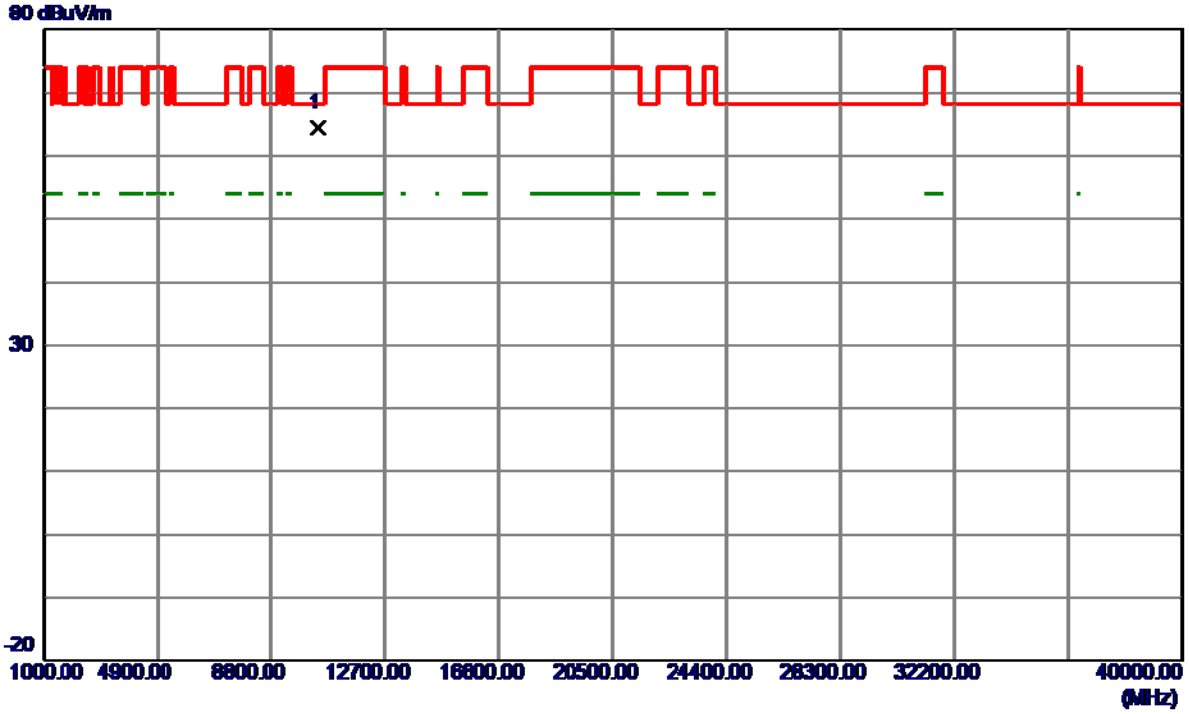
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5206.0000	55.72	41.39	97.11	999.00	-901.89	AVG	No Limit
2 *	5208.0000	65.42	41.40	106.82	68.30	38.52	Peak	No Limit
3	5366.0000	17.79	42.20	59.99	74.00	-14.01	Peak	
4	5366.0000	8.22	42.20	50.42	54.00	-3.58	AVG	

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

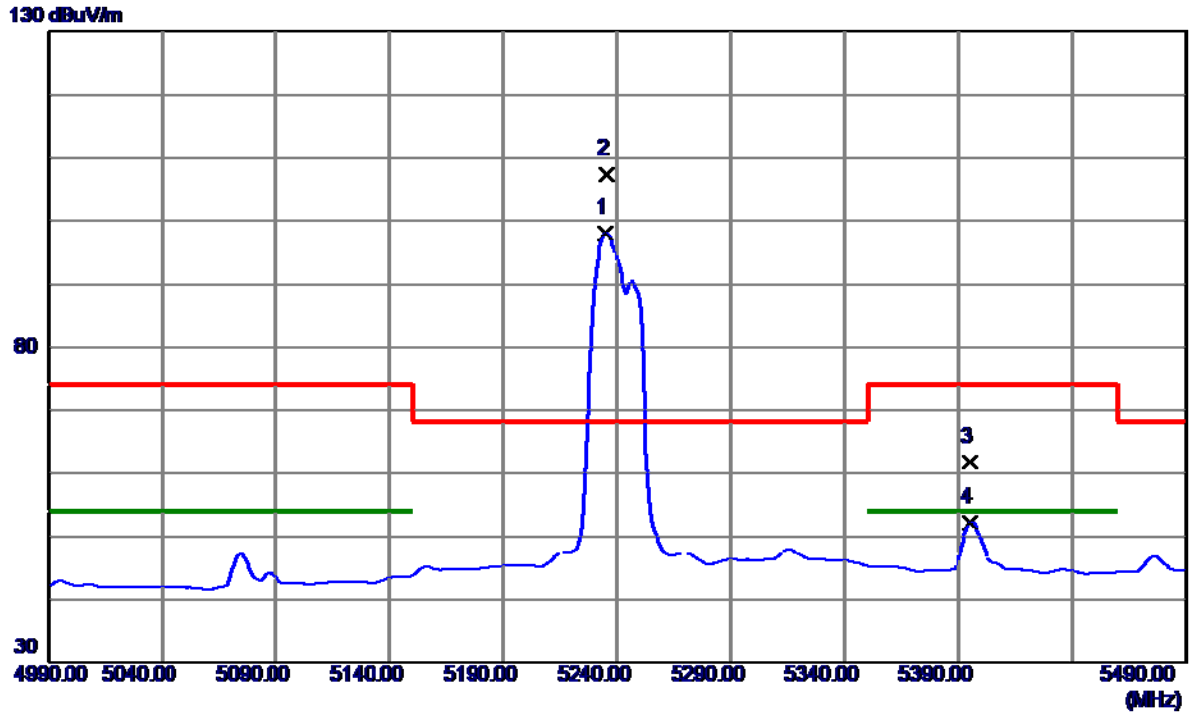
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10396.0000	47.93	16.43	64.36	68.30	-3.94	Peak	

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

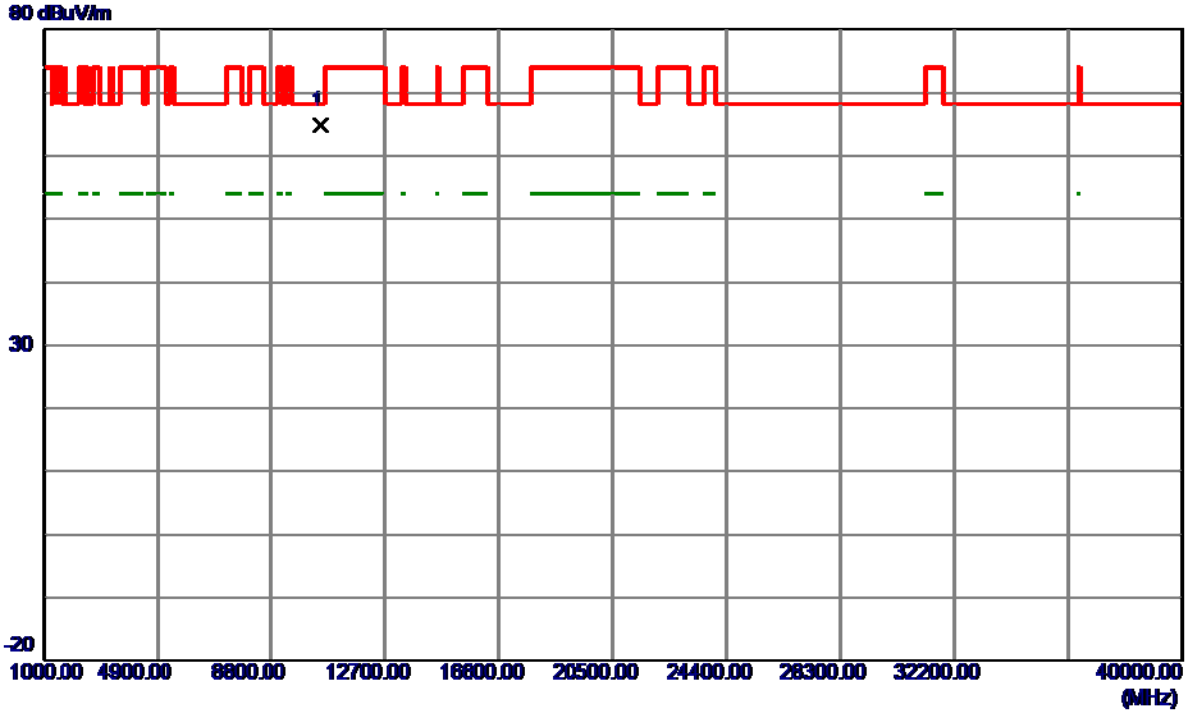
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5235.0000	56.54	41.53	98.07	999.00	-900.93	AVG	No Limit
2 *	5235.5000	65.90	41.54	107.44	68.30	39.14	Peak	No Limit
3	5394.9000	19.45	42.35	61.80	74.00	-12.20	Peak	
4	5395.0000	9.94	42.35	52.29	54.00	-1.71	AVG	

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

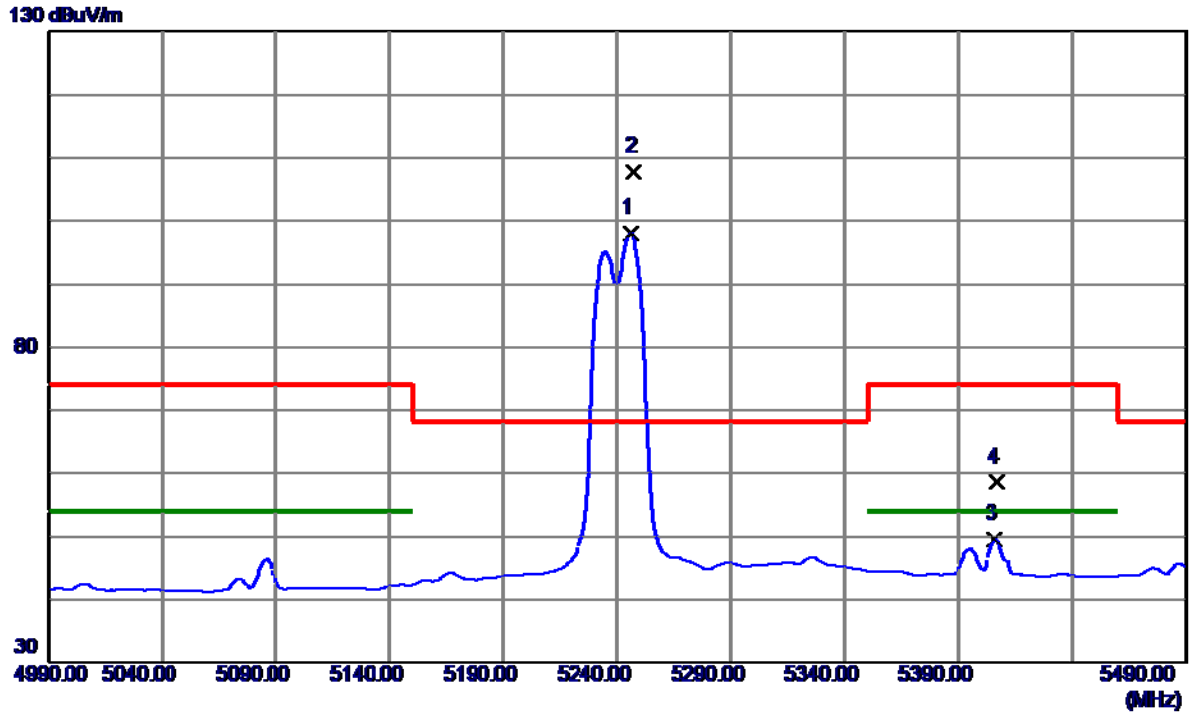
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10479.0020	48.07	16.65	64.72	68.30	-3.58	Peak	

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

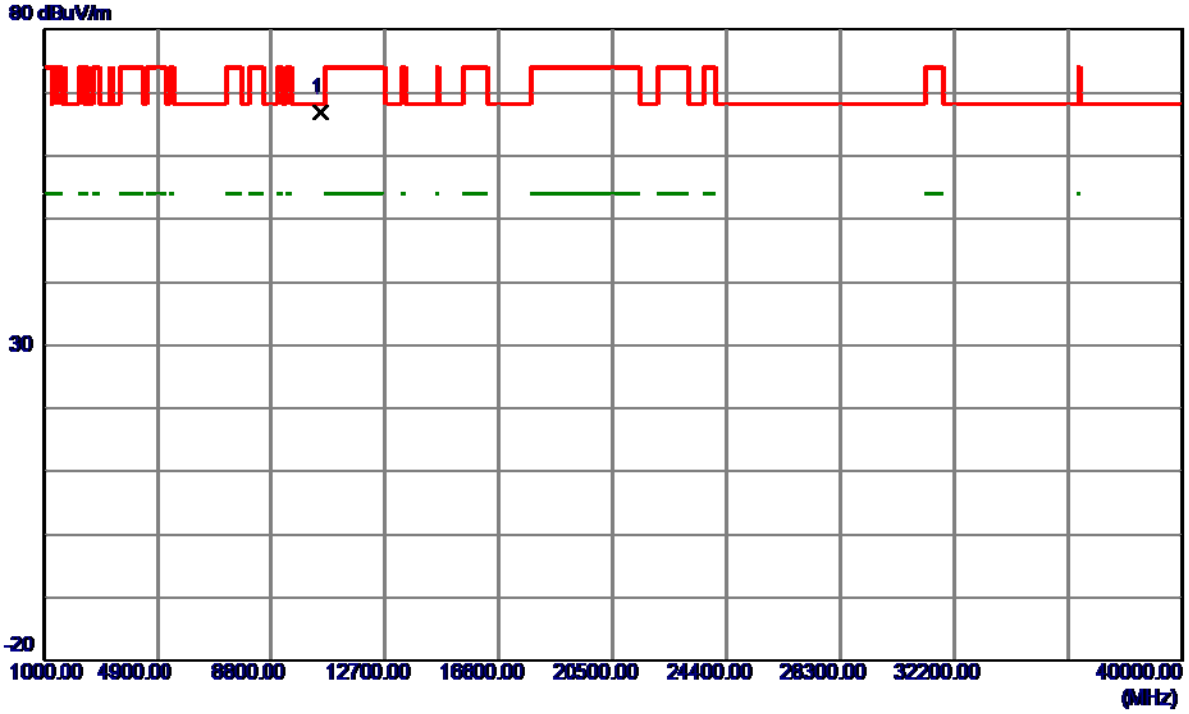
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5246.0000	56.44	41.59	98.03	999.00	-900.97	AVG	No Limit
2 *	5247.5000	66.23	41.60	107.83	68.30	39.53	Peak	No Limit
3	5406.0000	7.14	42.40	49.54	54.00	-4.46	AVG	
4	5407.1000	16.15	42.41	58.56	74.00	-15.44	Peak	

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

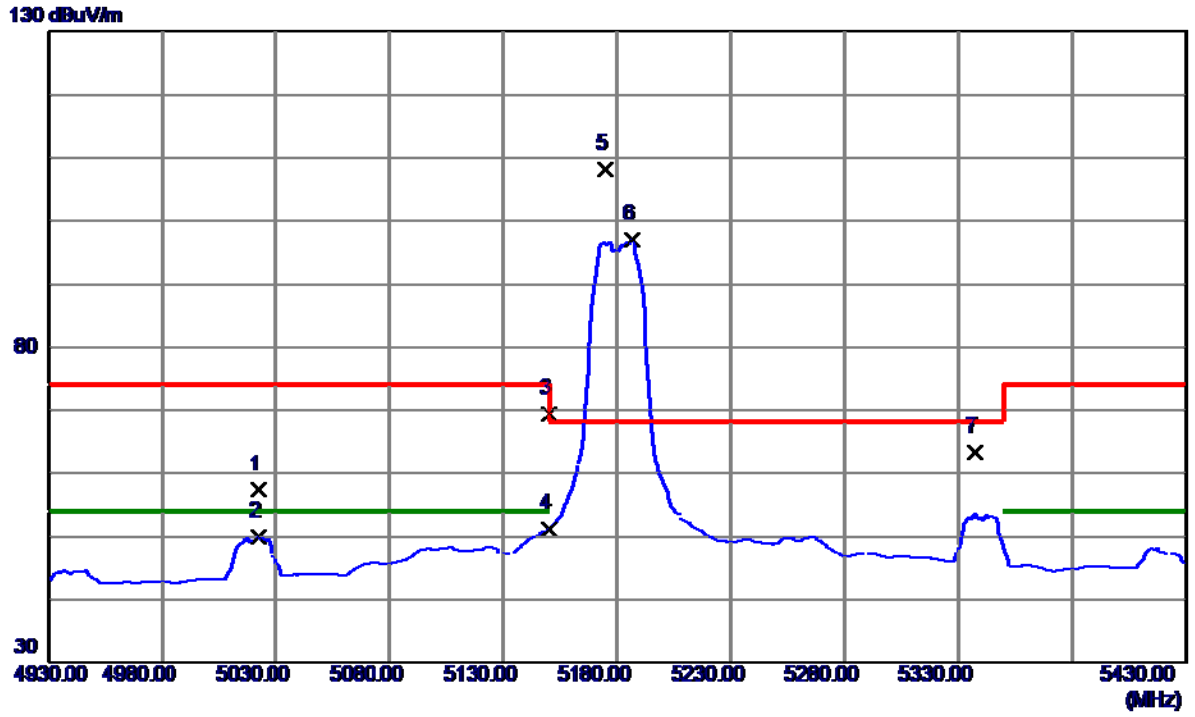
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10473.2000	50.14	16.63	66.77	68.30	-1.53	Peak	

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

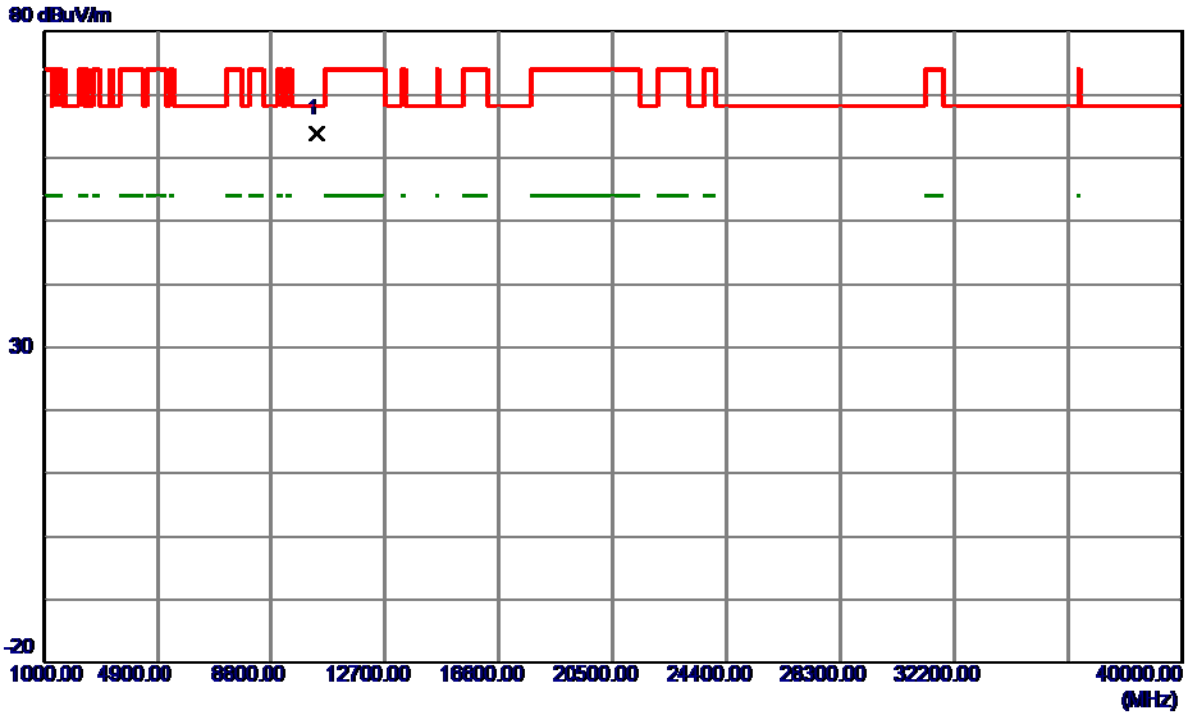
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5022.0000	16.95	40.45	57.40	74.00	-16.60	Peak	
2	5022.0000	9.50	40.45	49.95	54.00	-4.05	AVG	
3	5150.0000	28.22	41.10	69.32	74.00	-4.68	Peak	
4	5150.0000	10.09	41.10	51.19	54.00	-2.81	AVG	
5 *	5175.0000	66.90	41.23	108.13	68.30	39.83	Peak	No Limit
6	5186.5000	55.70	41.29	96.99	999.00	-902.01	AVG	No Limit
7	5337.0000	21.40	42.05	63.45	68.30	-4.85	Peak	

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

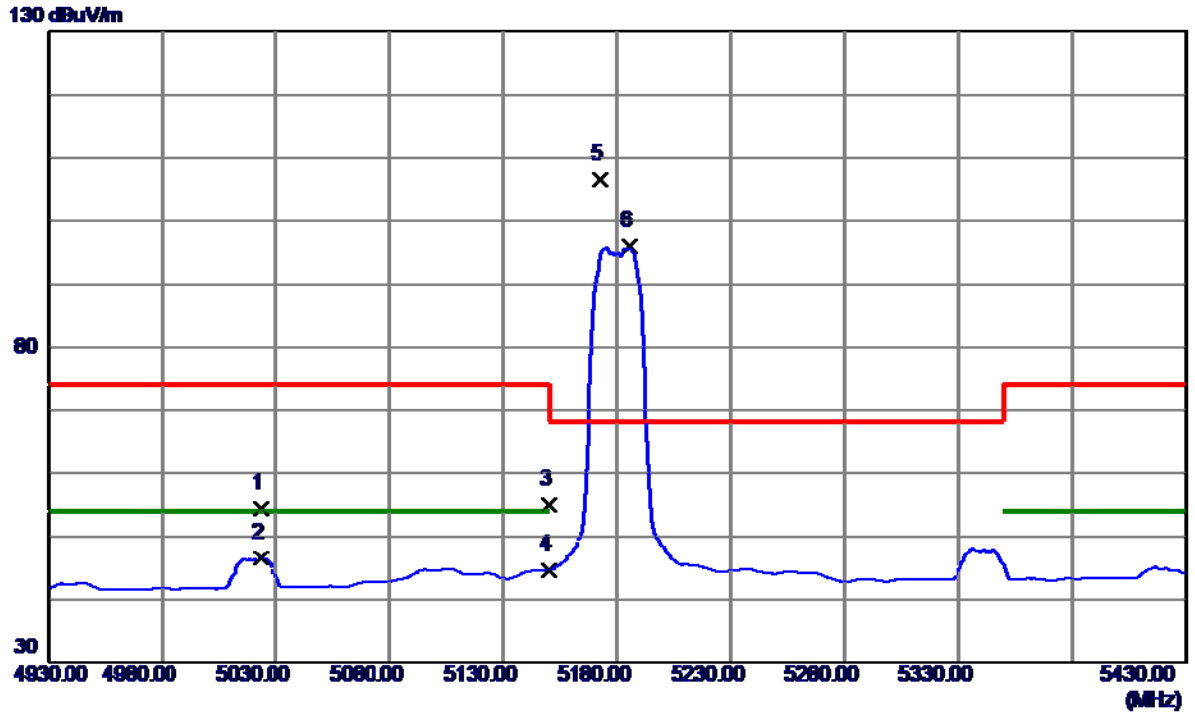
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10359.6510	47.51	16.33	63.84	68.30	-4.46	Peak	

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

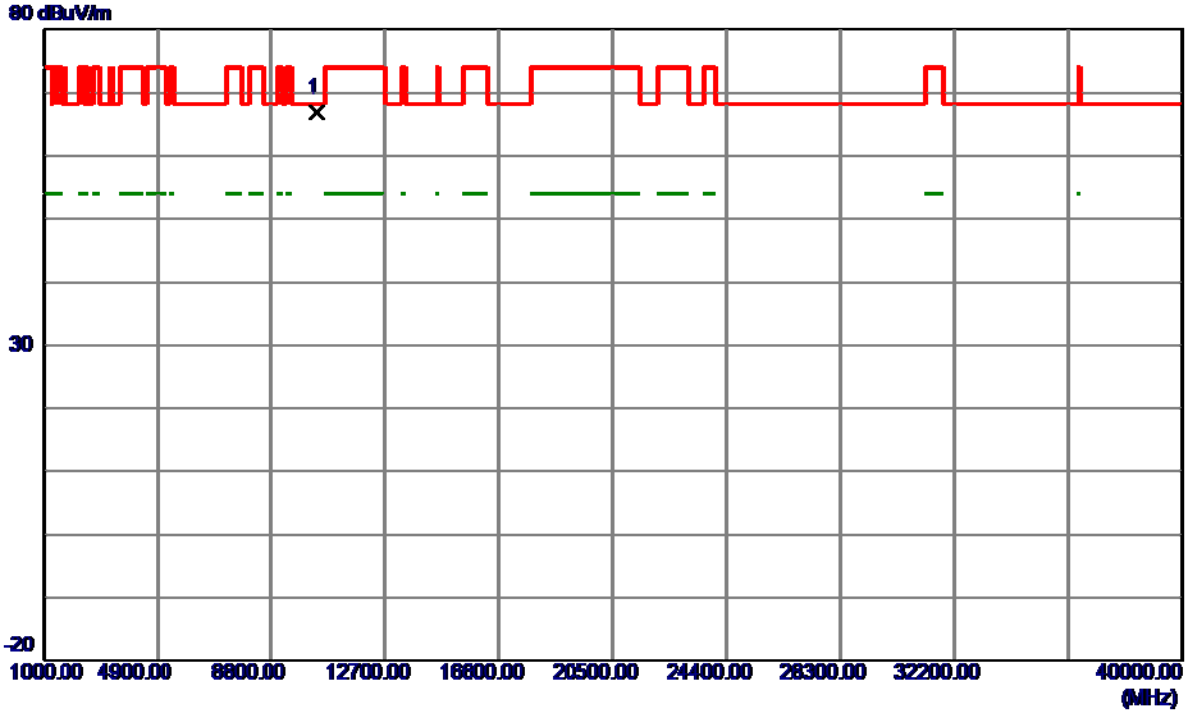
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5023.5000	14.00	40.46	54.46	74.00	-19.54	Peak	
2	5023.5000	6.08	40.46	46.54	54.00	-7.46	AVG	
3	5150.0000	13.90	41.10	55.00	74.00	-19.00	Peak	
4	5150.0000	3.60	41.10	44.70	54.00	-9.30	AVG	
5 *	5173.0000	65.34	41.22	106.56	68.30	38.26	Peak	No Limit
6	5185.5000	54.67	41.28	95.95	999.00	-903.05	AVG	No Limit

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

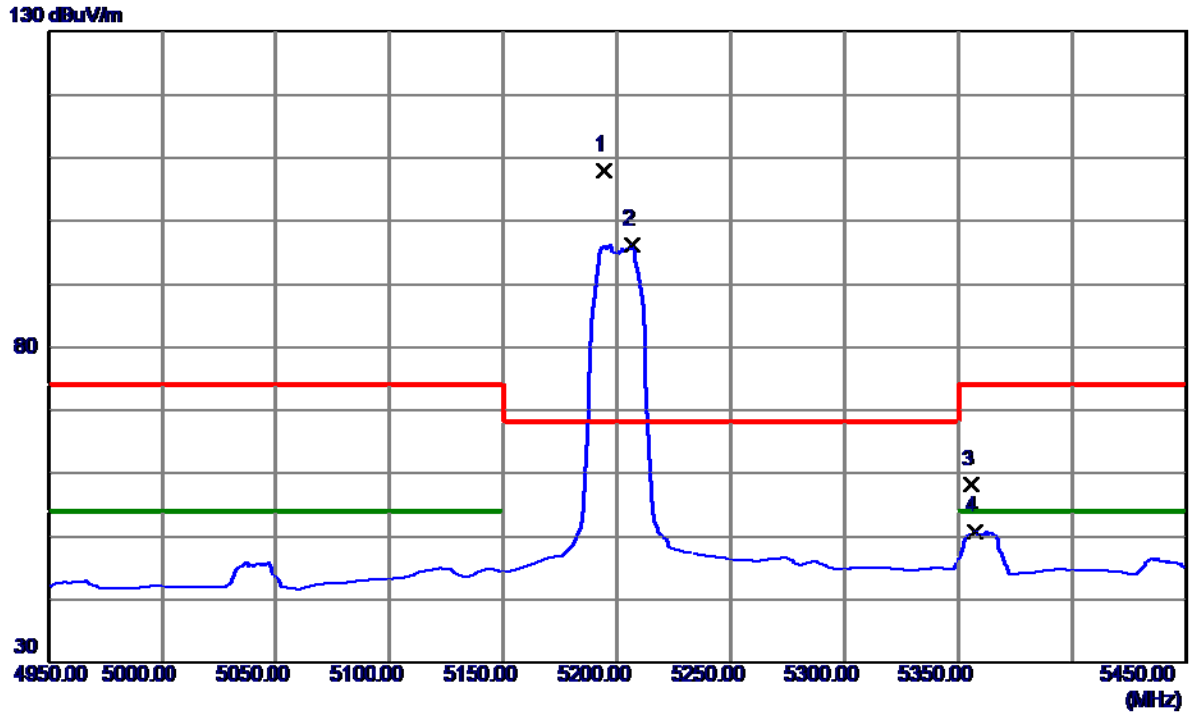
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10361.4000	50.54	16.33	66.87	68.30	-1.43	Peak	

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

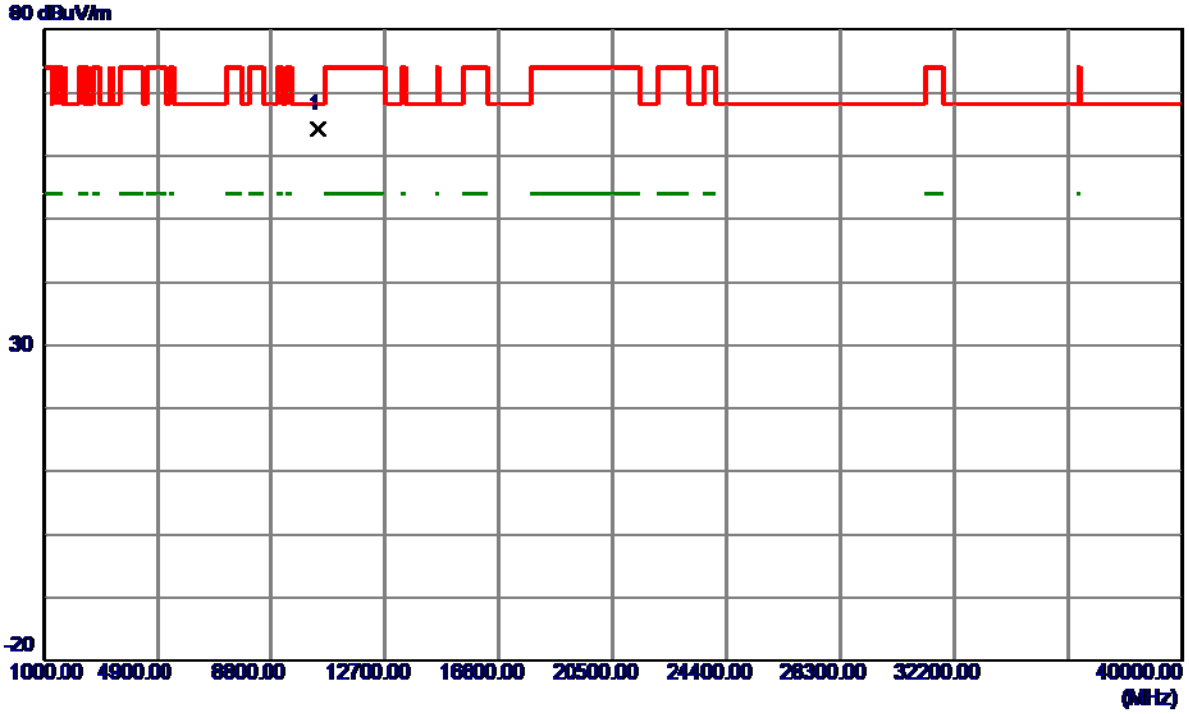
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5194.5000	66.64	41.33	107.97	68.30	39.67	Peak	No Limit
2	5206.5000	54.80	41.39	96.19	999.00	-902.81	AVG	No Limit
3	5355.5000	16.13	42.15	58.28	74.00	-15.72	Peak	
4	5357.0000	8.69	42.15	50.84	54.00	-3.16	AVG	

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

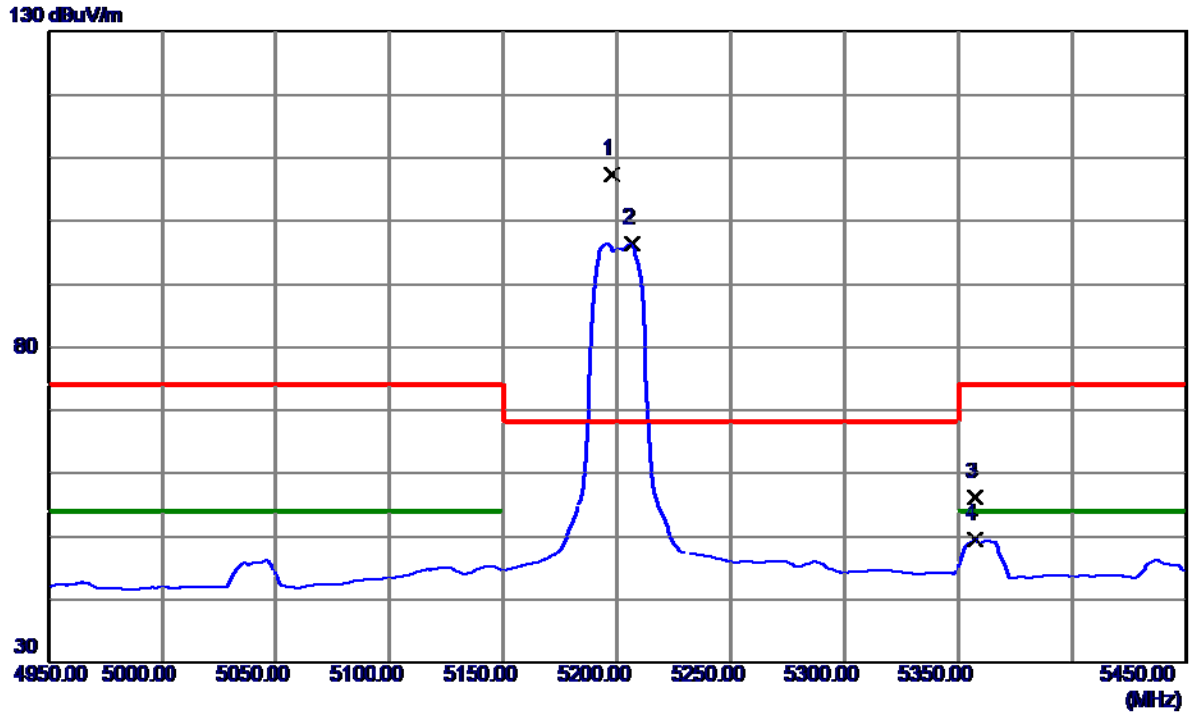
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10399.8500	47.70	16.44	64.14	68.30	-4.16	Peak	

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

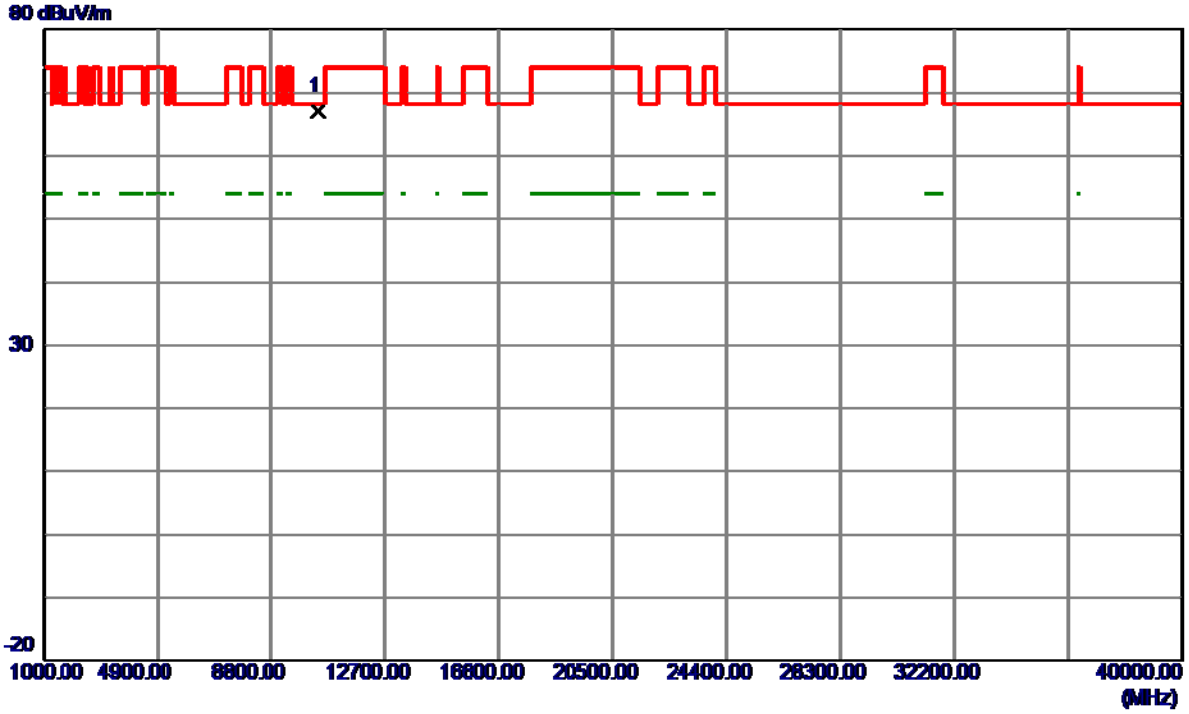
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5198.0000	66.06	41.35	107.41	68.30	39.11	Peak	No Limit
2	5206.5000	55.07	41.39	96.46	999.00	-902.54	AVG	No Limit
3	5357.0000	14.12	42.15	56.27	74.00	-17.73	Peak	
4	5357.0000	7.41	42.15	49.56	54.00	-4.44	AVG	

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

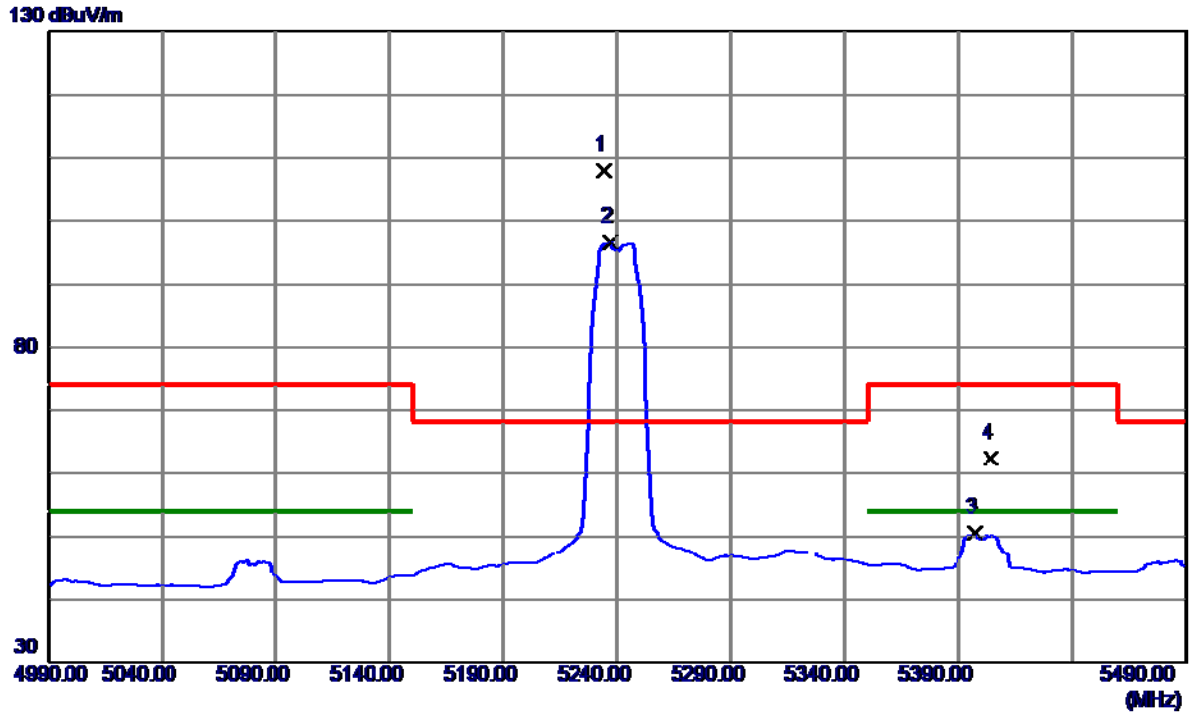
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10401.6000	50.56	16.44	67.00	68.30	-1.30	Peak	

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

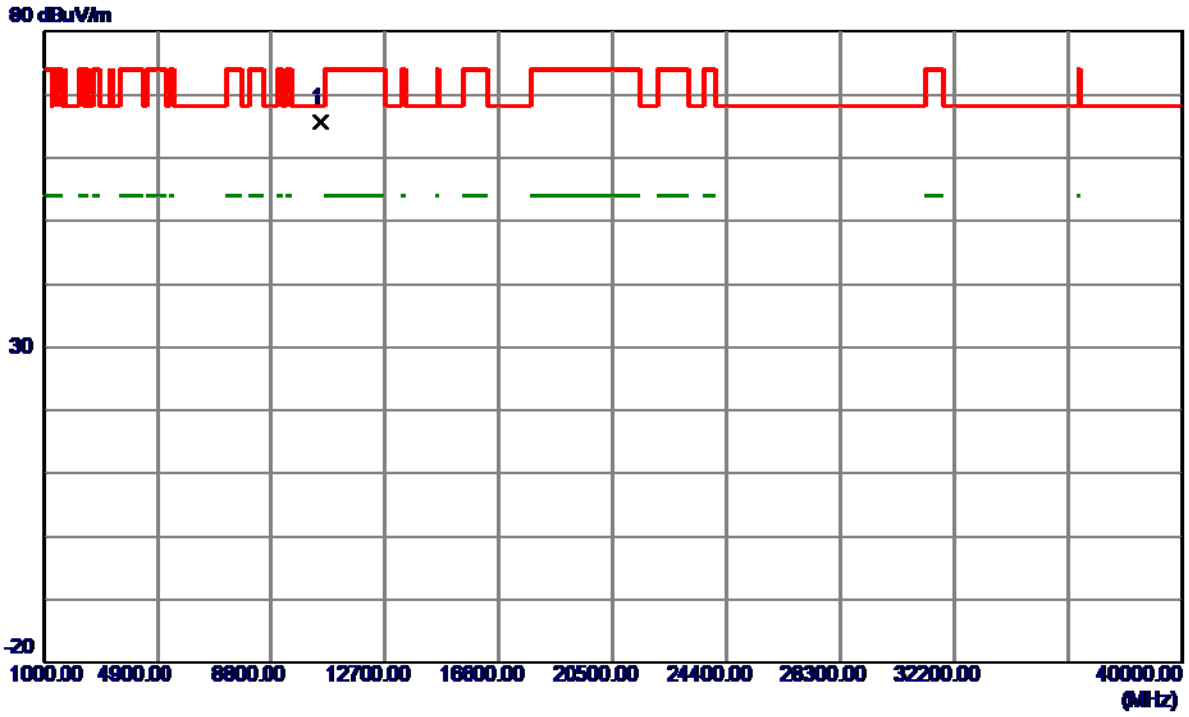
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5234.5000	66.49	41.53	108.02	68.30	39.72	Peak	No Limit
2	5237.0000	55.12	41.54	96.66	999.00	-902.34	AVG	No Limit
3	5397.0000	8.16	42.36	50.52	54.00	-3.48	AVG	
4	5404.4000	20.10	42.39	62.49	74.00	-11.51	Peak	

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

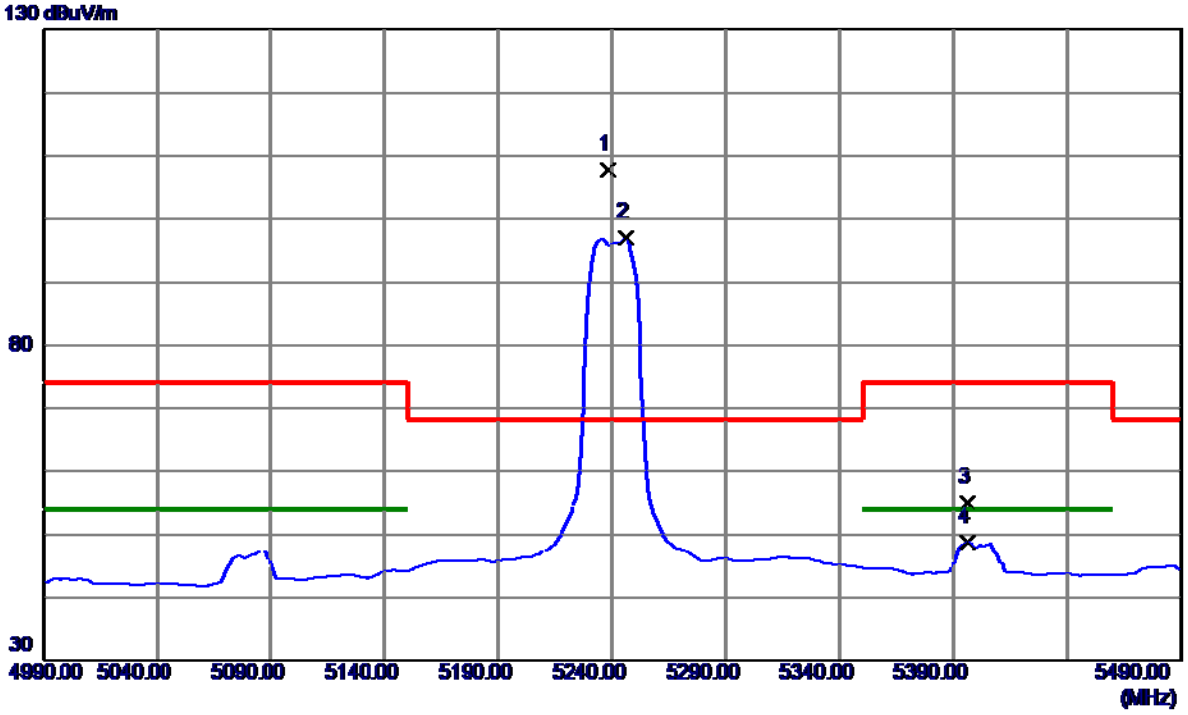
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.0000	48.97	16.65	65.62	68.30	-2.68	Peak	

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

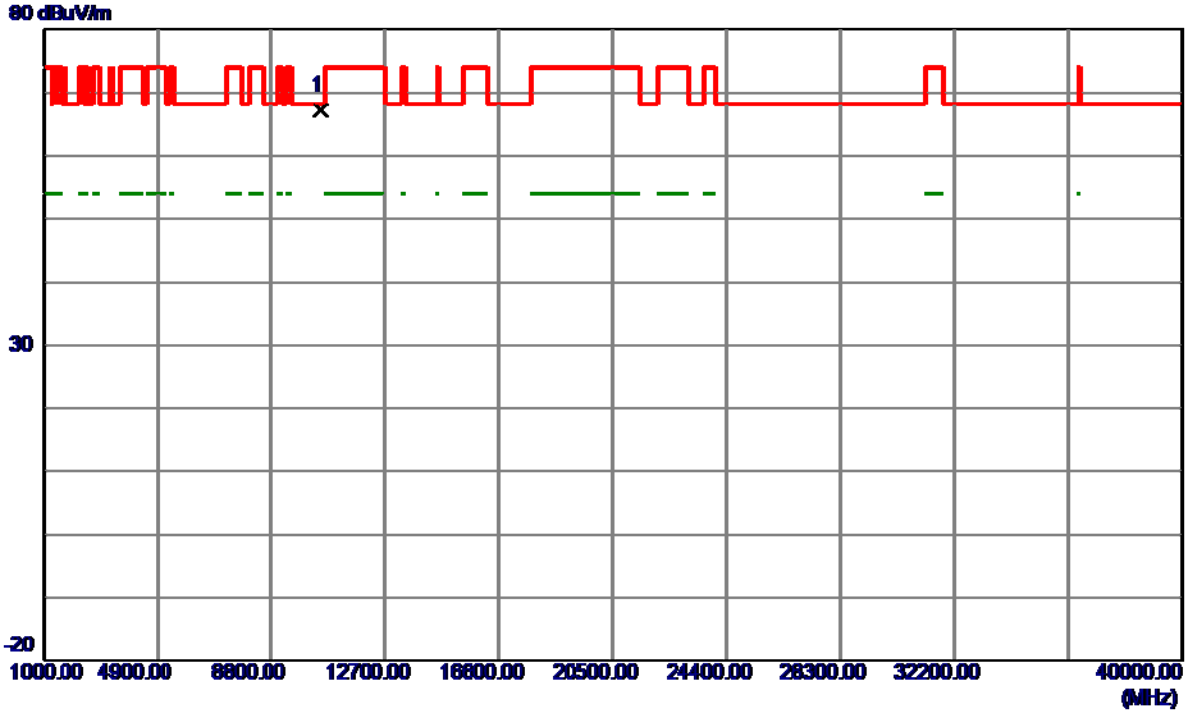
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5238.5000	66.33	41.55	107.88	68.30	39.58	Peak	No Limit
2	5246.0000	55.32	41.59	96.91	999.00	-902.09	AVG	No Limit
3	5396.0000	12.66	42.35	55.01	74.00	-18.99	Peak	
4	5396.0000	6.38	42.35	48.73	54.00	-5.27	AVG	

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

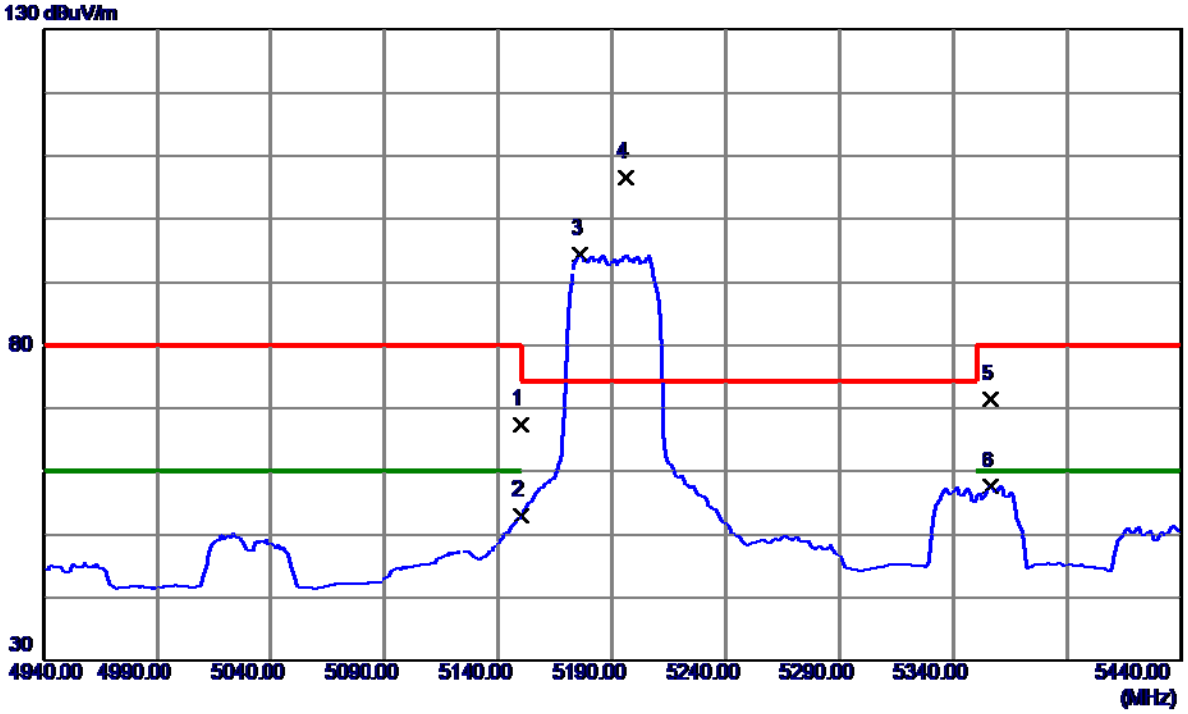
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10476.6000	50.53	16.64	67.17	68.30	-1.13	Peak	

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

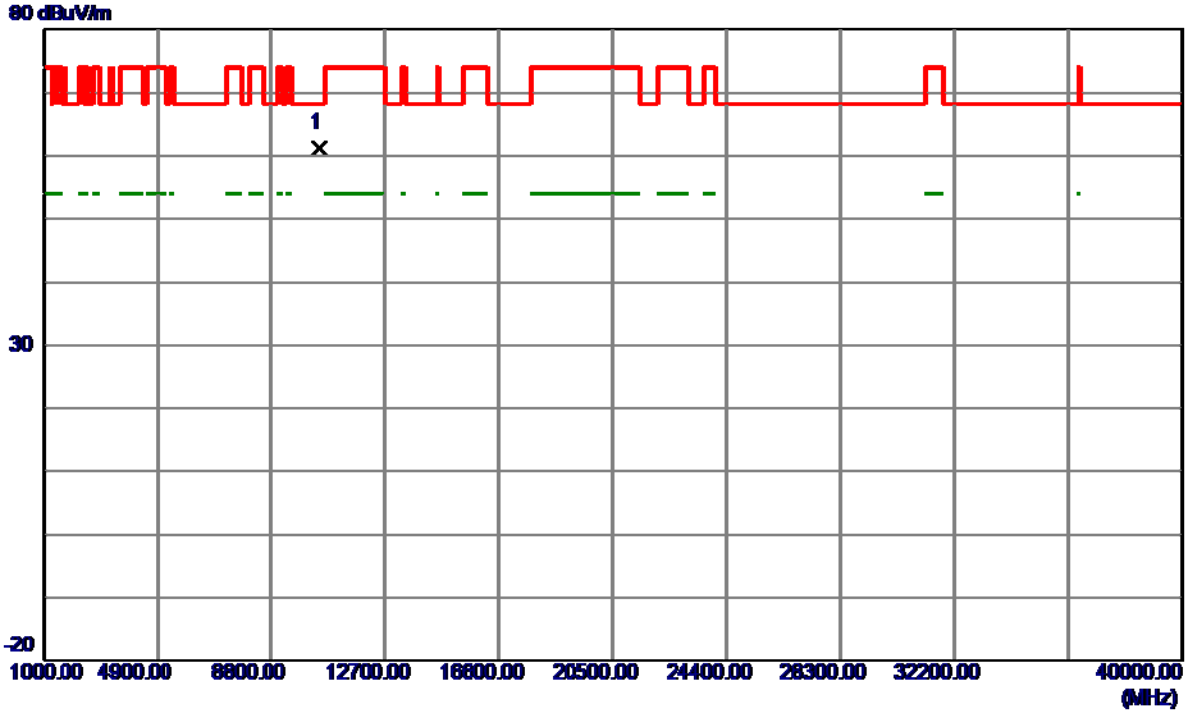
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	26.34	41.10	67.44	80.00	-12.56	Peak	
2	5150.0000	11.97	41.10	53.07	60.00	-6.93	AVG	
3	5176.0000	53.12	41.23	94.35	999.00	-904.65	AVG	No Limit
4 *	5196.0000	65.30	41.34	106.64	74.30	32.34	Peak	No Limit
5	5356.5000	29.28	42.15	71.43	80.00	-8.57	Peak	
6	5356.5000	15.49	42.15	57.64	60.00	-2.36	AVG	

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

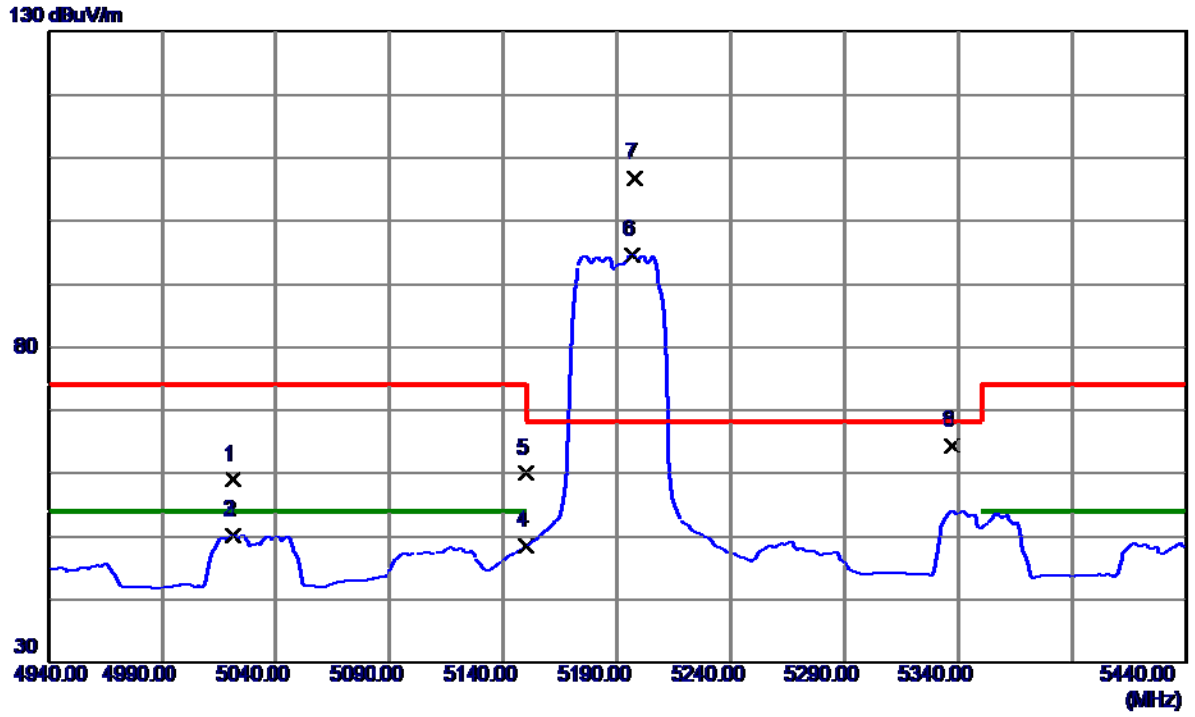
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.4490	44.52	16.60	61.12	68.30	-7.18	Peak	

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

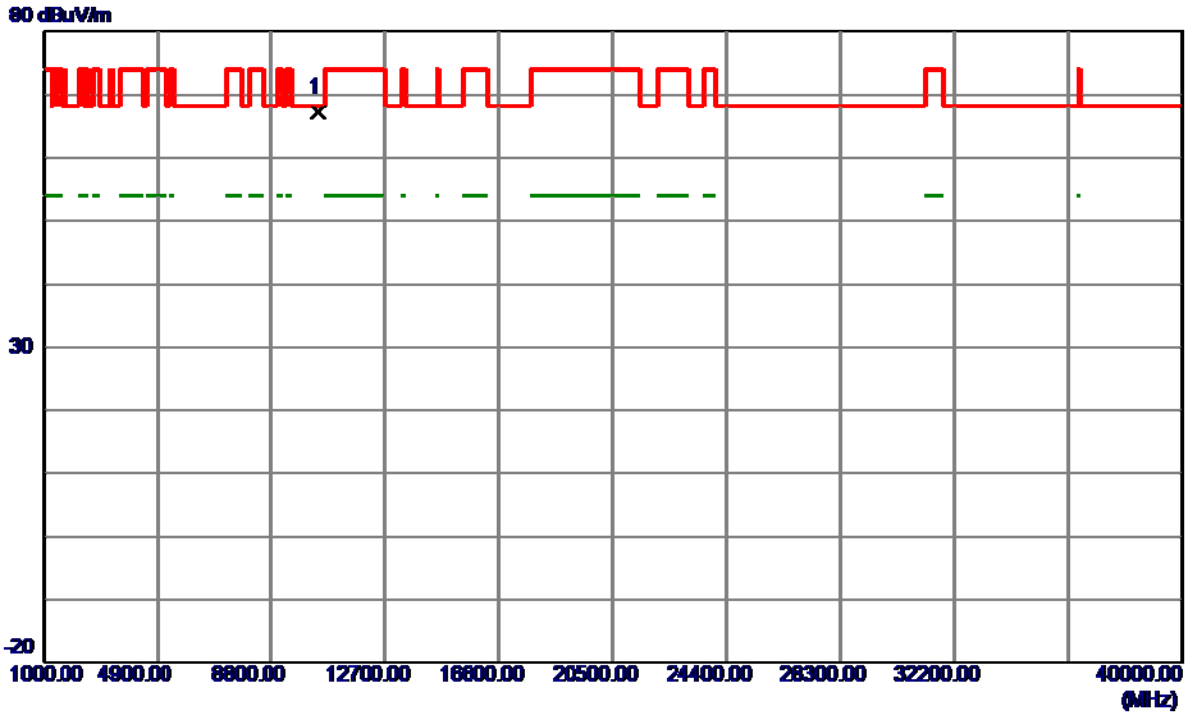
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5021.0000	18.50	40.45	58.95	74.00	-15.05	Peak	
2	5021.0000	9.83	40.45	50.28	54.00	-3.72	AVG	
3	5021.0000	9.83	40.45	50.28	54.00	-3.72	AVG	
4	5150.0000	7.43	41.10	48.53	74.00	-25.47	Peak	
5	5150.0000	18.94	41.10	60.04	74.00	-13.96	Peak	
6	5196.5000	53.28	41.34	94.62	999.00	-904.38	AVG	No Limit
7 *	5198.0000	65.48	41.35	106.83	68.30	38.53	Peak	No Limit
8	5337.0000	22.37	42.05	64.42	68.30	-3.88	Peak	

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

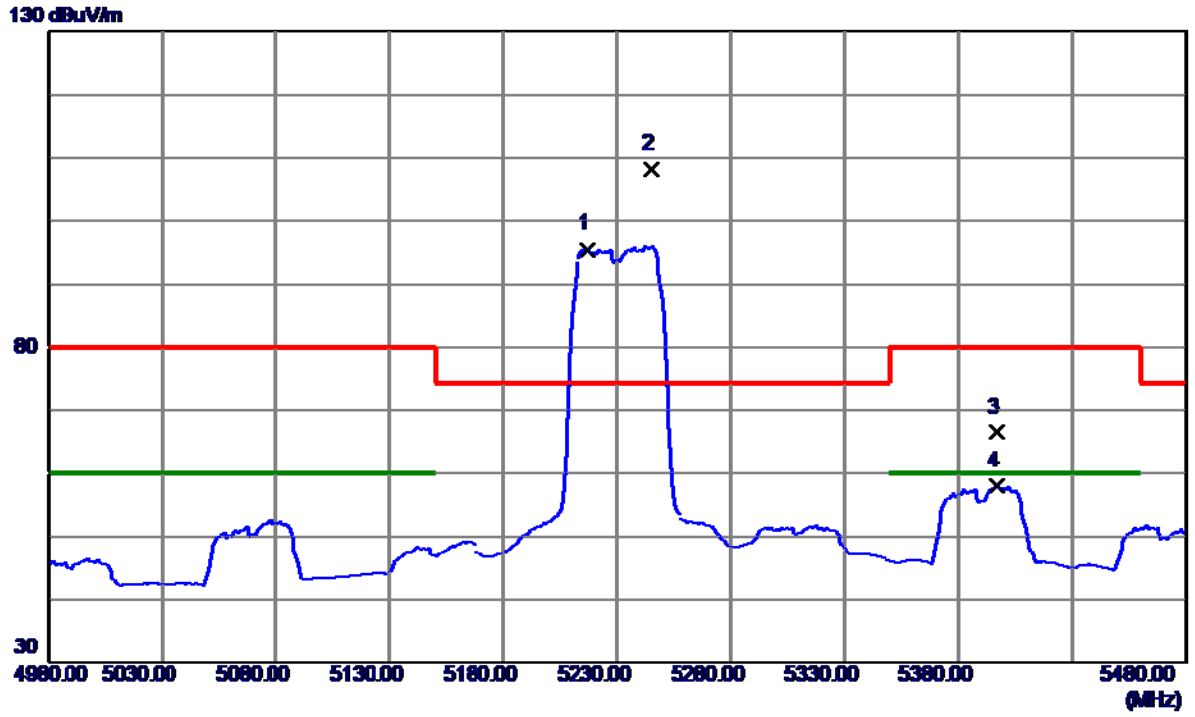
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10381.8000	50.79	16.39	67.18	68.30	-1.12	Peak	

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

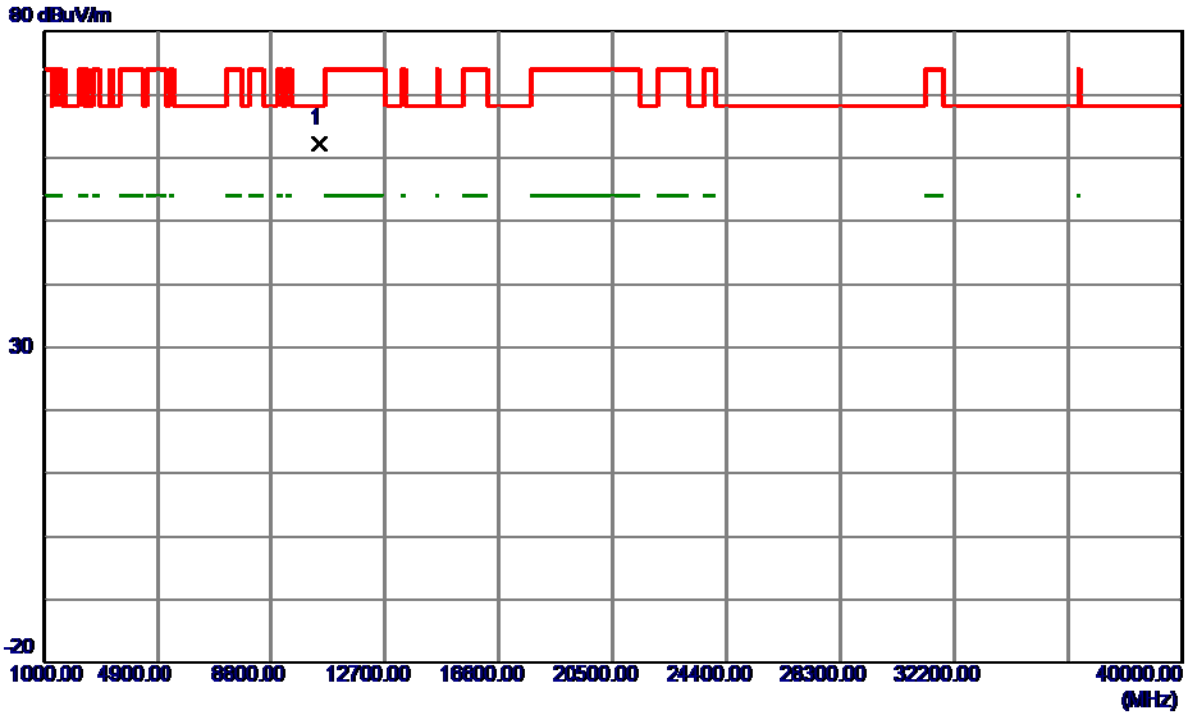
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5217.0000	54.06	41.44	95.50	999.00	-903.50	AVG	No Limit
2 *	5245.0000	66.57	41.58	108.15	74.30	33.85	Peak	No Limit
3	5397.0000	24.14	42.36	66.50	80.00	-13.50	Peak	
4	5397.0000	15.66	42.36	58.02	60.00	-1.98	AVG	

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

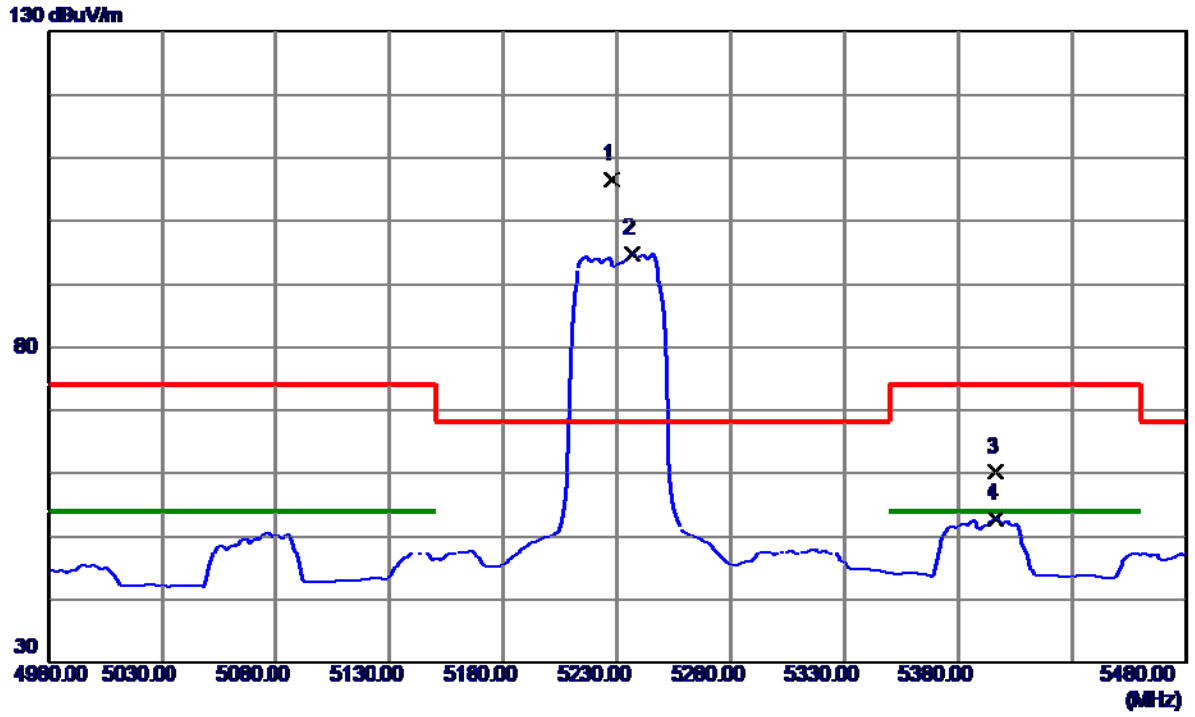
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.3890	45.61	16.60	62.21	68.30	-6.09	Peak	

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

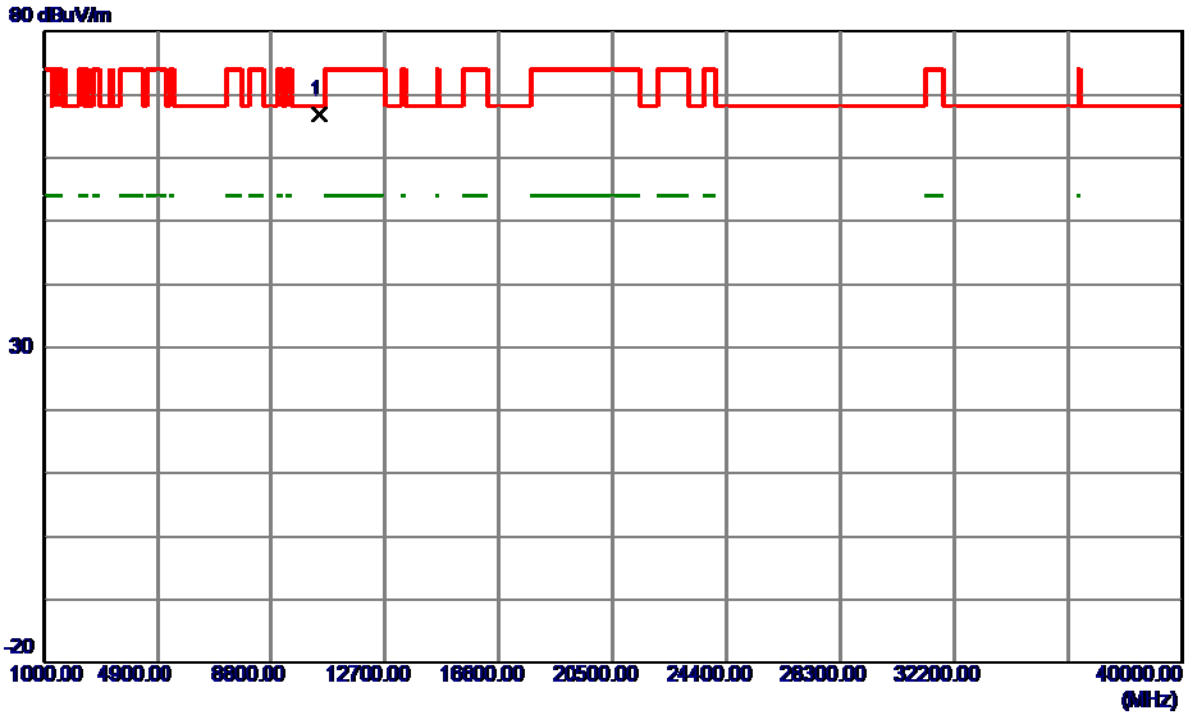
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5228.0000	65.14	41.50	106.64	68.30	38.34	Peak	No Limit
2	5236.5000	53.22	41.54	94.76	999.00	-904.24	AVG	No Limit
3	5396.5000	17.84	42.35	60.19	74.00	-13.81	Peak	
4	5396.5000	10.48	42.35	52.83	54.00	-1.17	AVG	

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

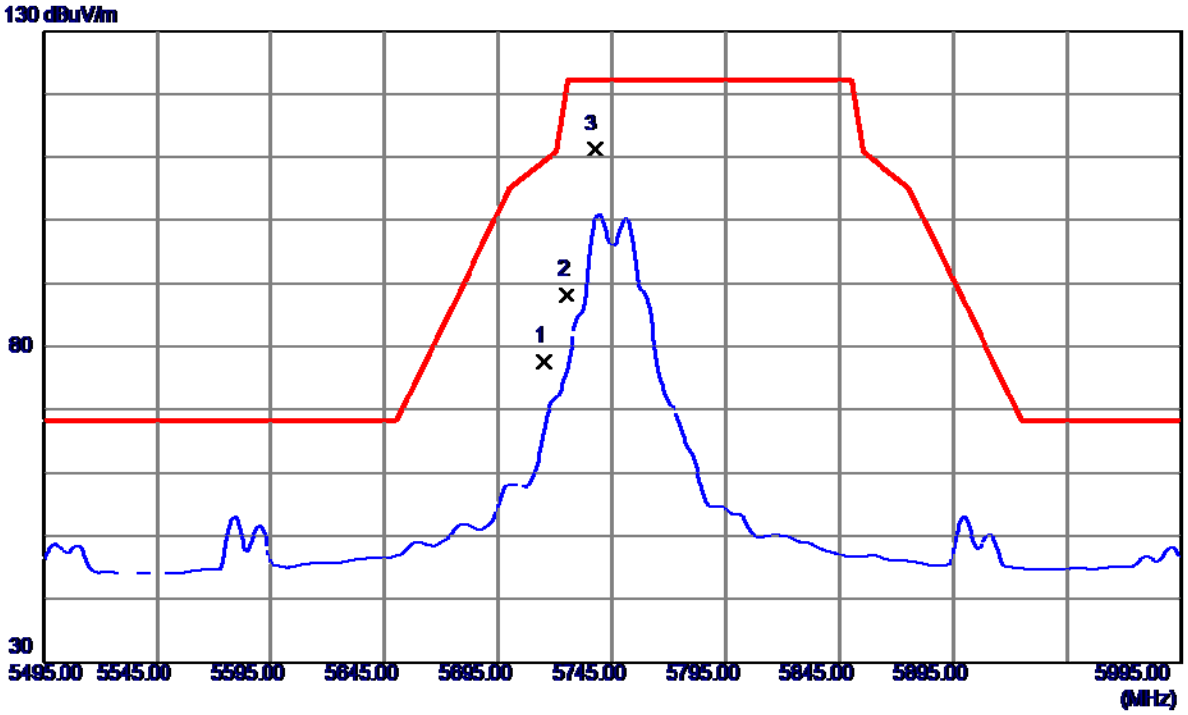
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10461.4000	50.10	16.60	66.70	68.30	-1.60	Peak	

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

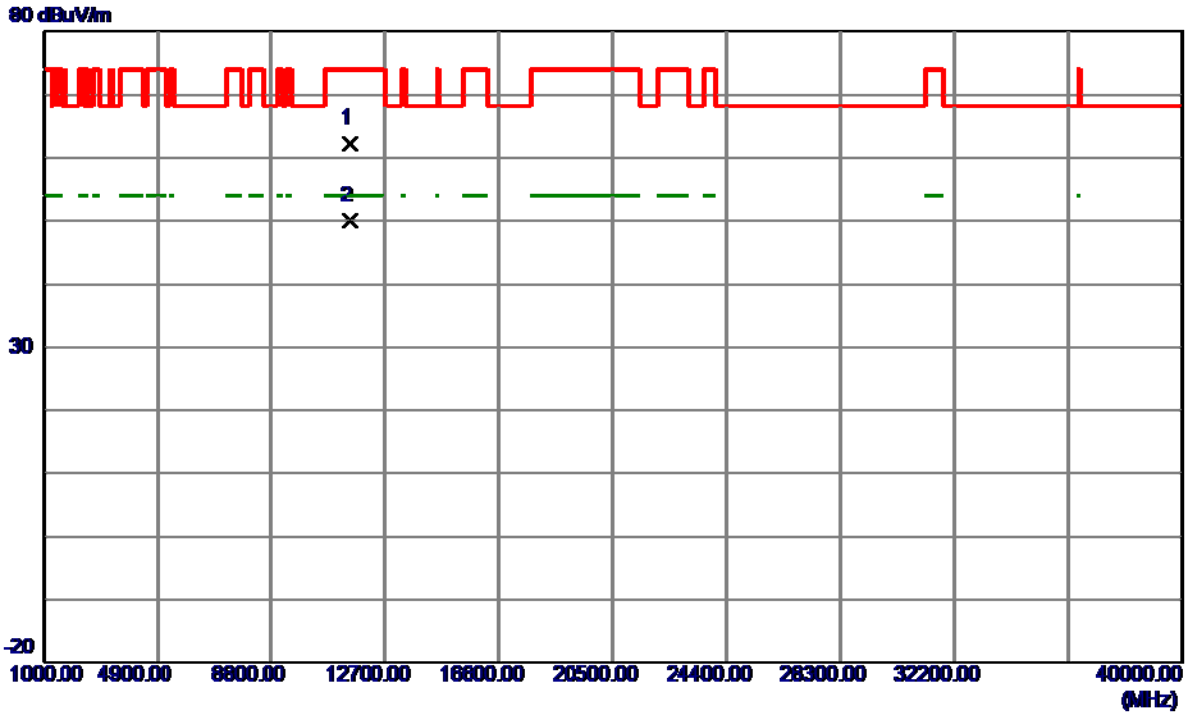
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	34.07	43.53	77.60	109.40	-31.80	Peak	
2	5725.0000	44.58	43.56	88.14	122.20	-34.06	Peak	
3 *	5737.5000	67.69	43.60	111.29	122.20	-10.91	Peak	

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

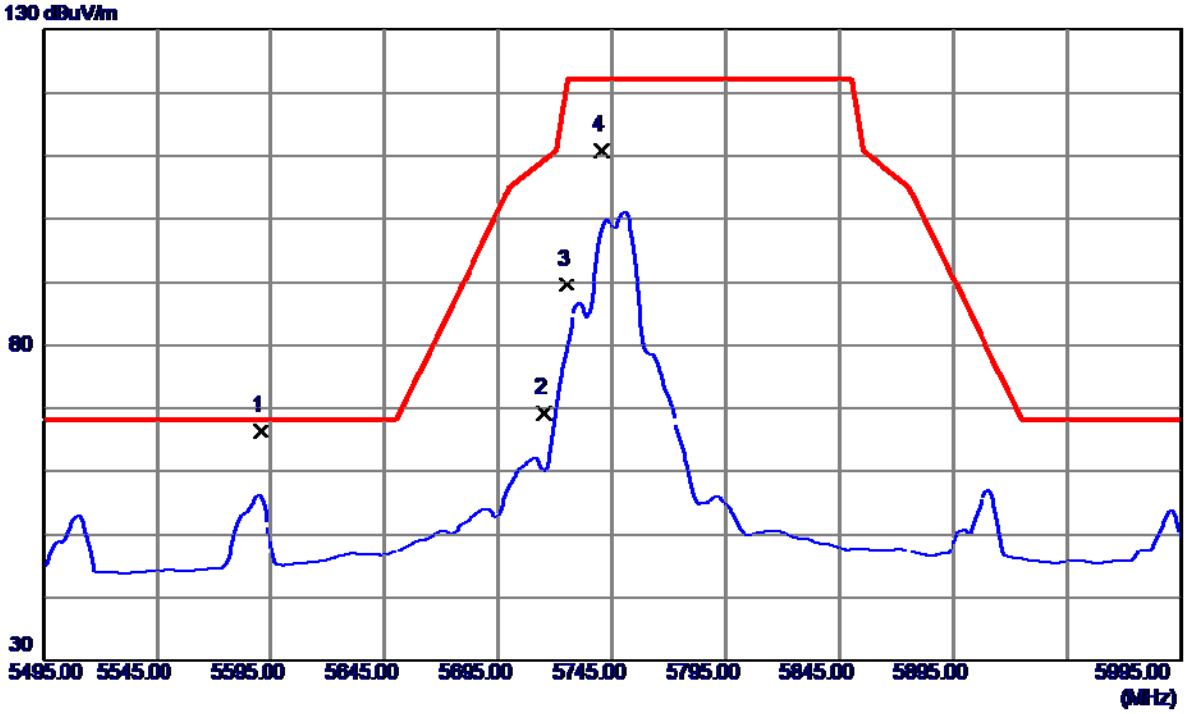
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11488.3900	44.53	17.74	62.27	74.00	-11.73	Peak	
2 *	11491.4600	32.33	17.75	50.08	54.00	-3.92	AVG	

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

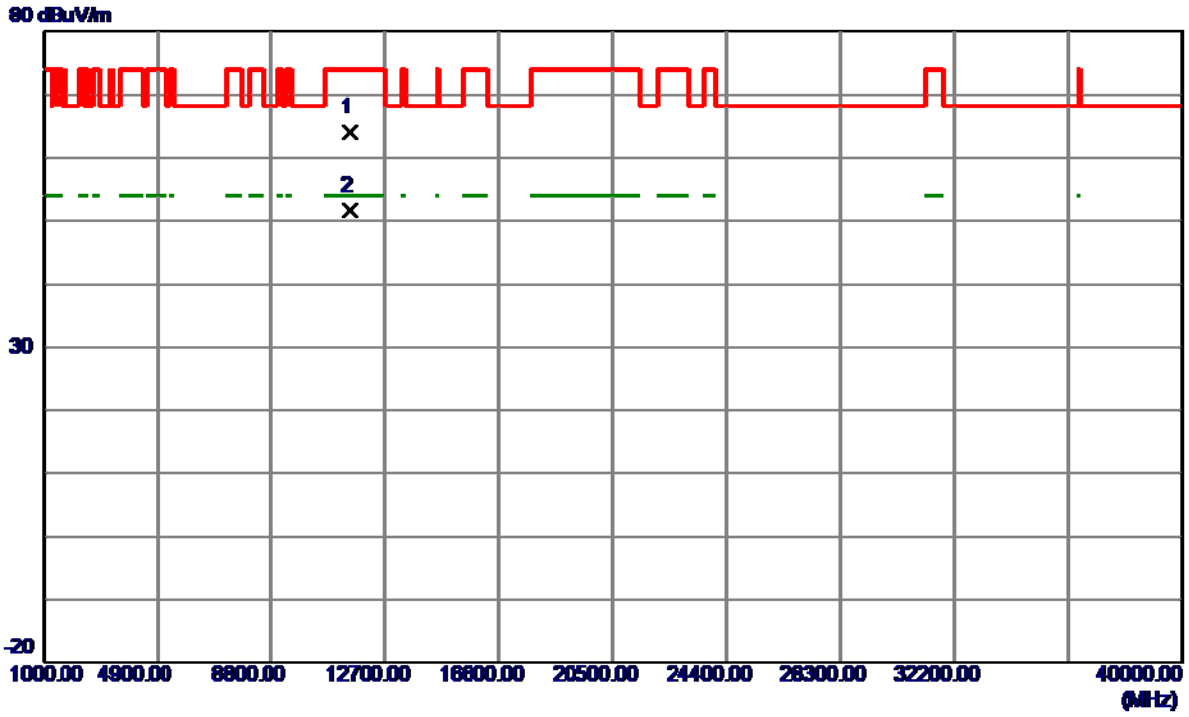
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5590.5000	23.21	43.15	66.36	68.20	-1.84	Peak	
2	5715.0000	25.72	43.53	69.25	109.40	-40.15	Peak	
3	5725.0000	46.02	43.56	89.58	122.20	-32.62	Peak	
4	5740.5000	67.11	43.61	110.72	122.20	-11.48	Peak	

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

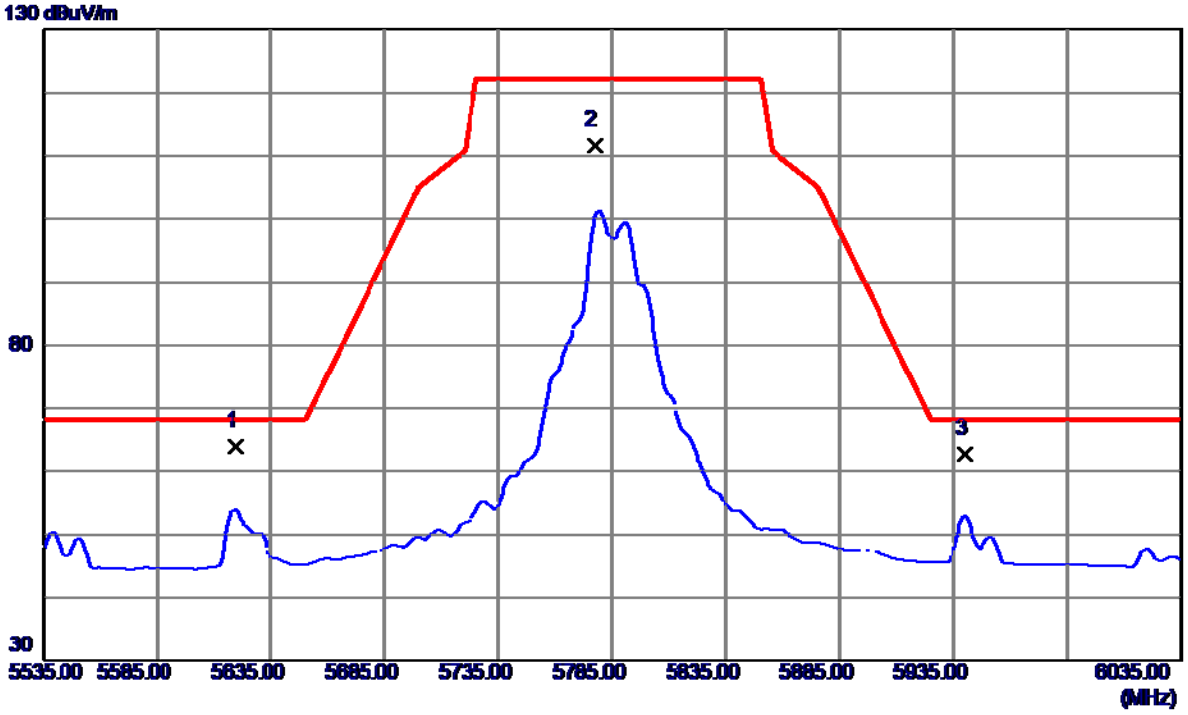
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11485.9000	46.35	17.74	64.09	74.00	-9.91	Peak	
2 *	11486.4000	33.92	17.74	51.66	54.00	-2.34	AVG	

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

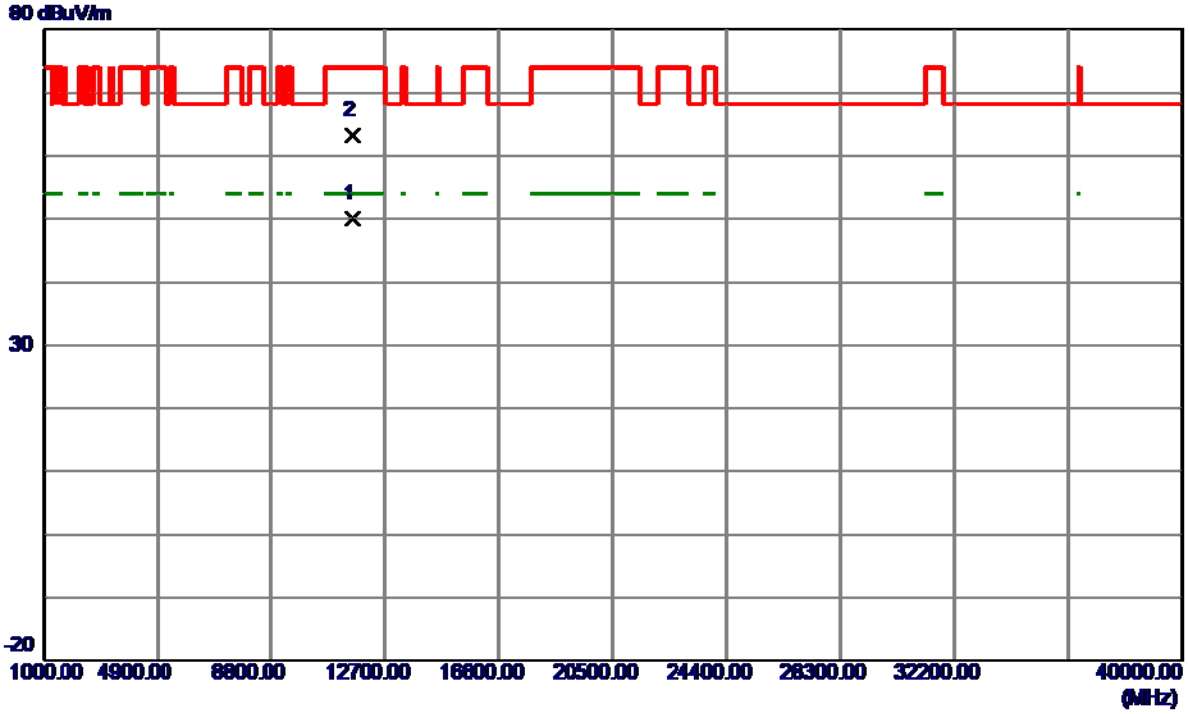
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5619.5000	20.76	43.24	64.00	68.20	-4.20	Peak	
2	5777.5000	67.82	43.72	111.54	122.20	-10.66	Peak	
3	5940.0000	18.67	44.21	62.88	68.20	-5.32	Peak	

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

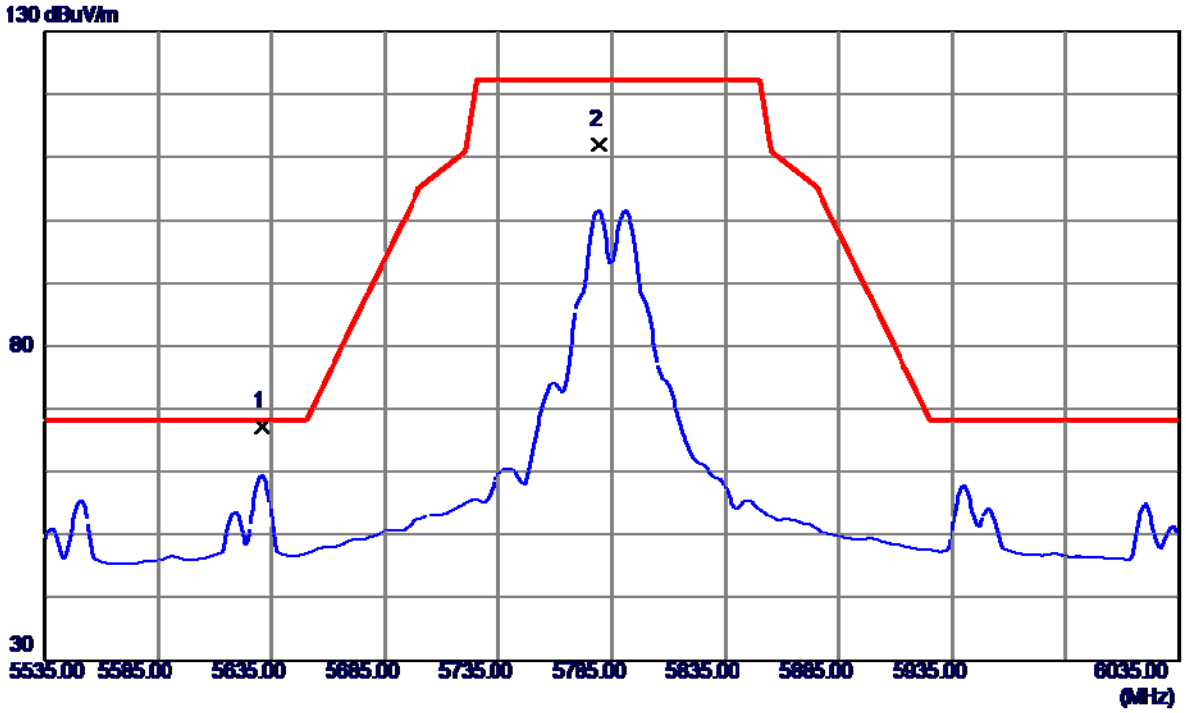
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11571.1900	32.09	17.82	49.91	54.00	-4.09	AVG	
2	11572.7200	45.29	17.82	63.11	74.00	-10.89	Peak	

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

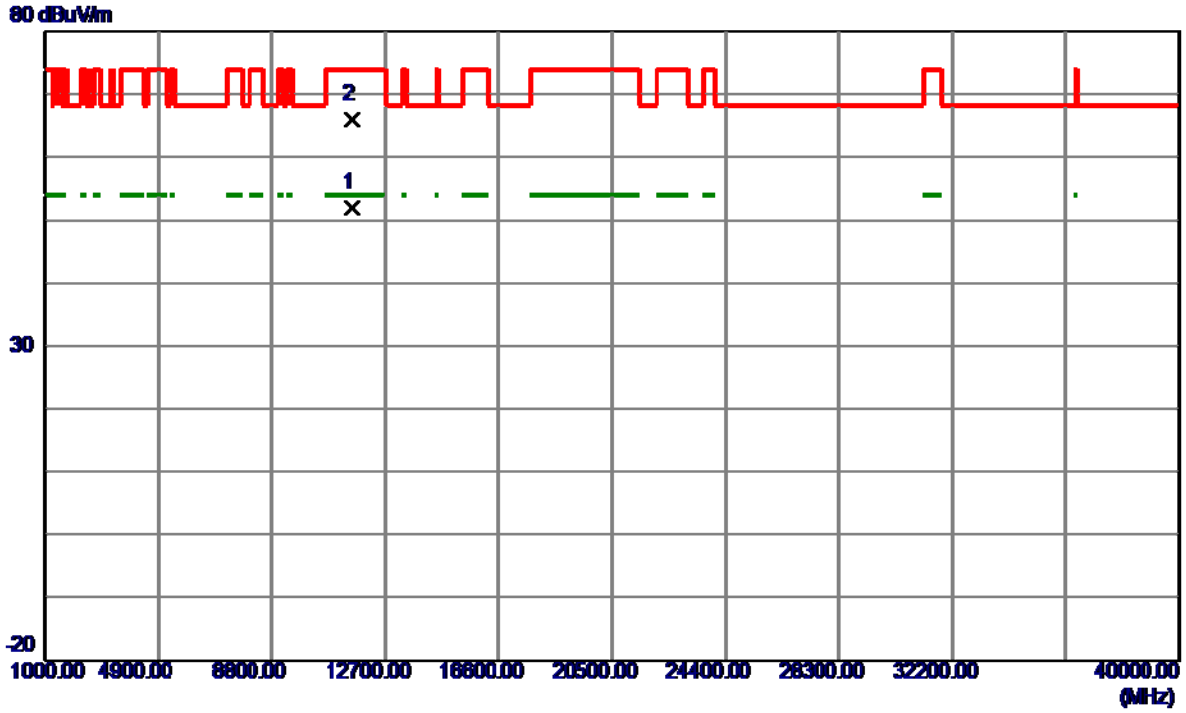
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5631.0000	23.90	43.28	67.18	68.20	-1.02	Peak	
2	5779.5000	68.36	43.72	112.08	122.20	-10.12	Peak	

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

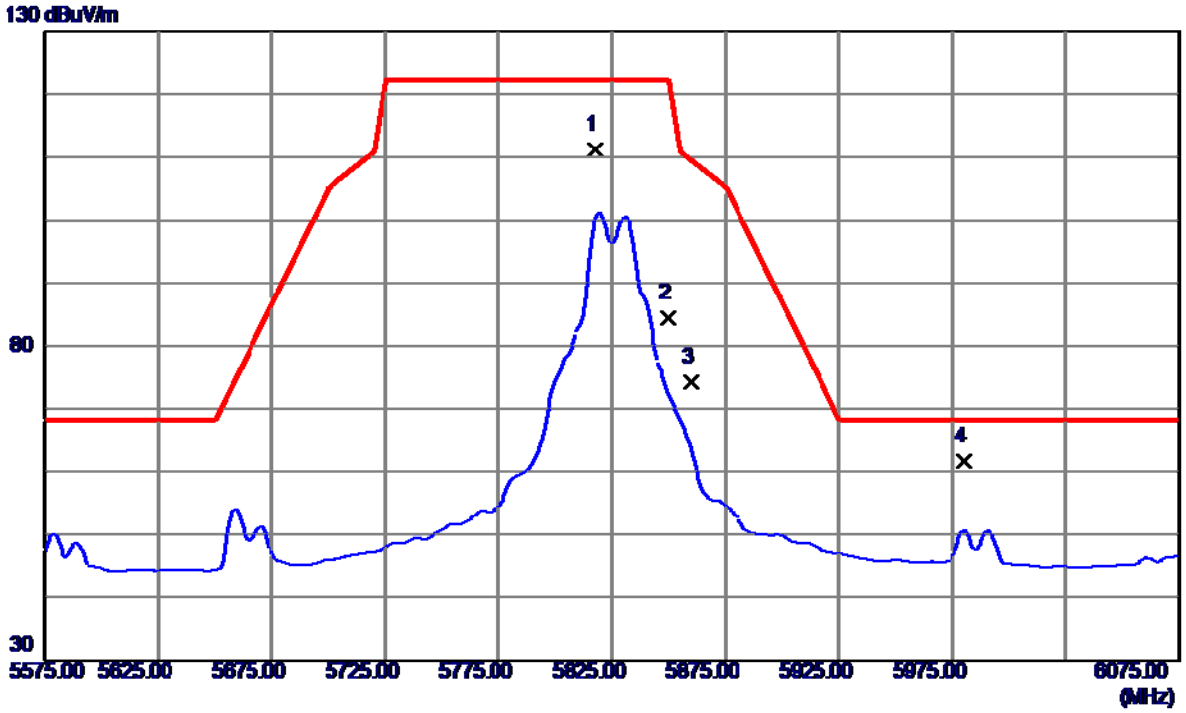
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11567.7000	34.23	17.82	52.05	54.00	-1.95	AVG	
2	11568.0000	48.20	17.82	66.02	74.00	-7.98	Peak	

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

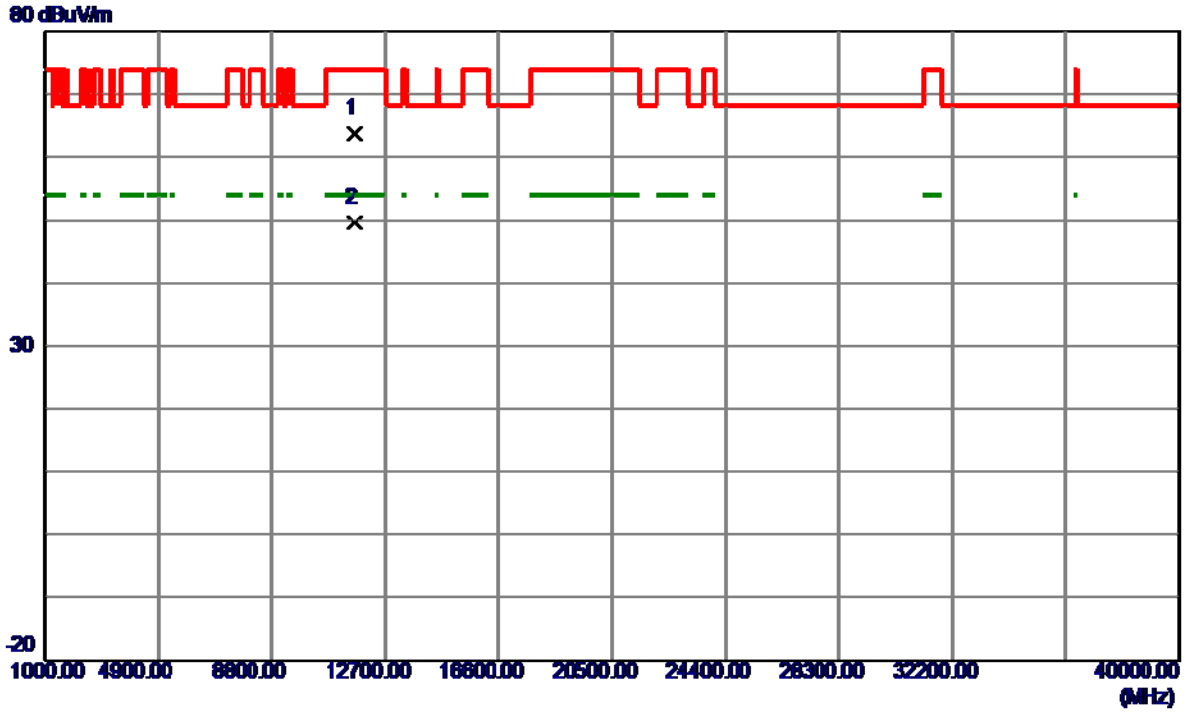
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5818.0000	67.39	43.84	111.23	122.20	-10.97	Peak	
2	5850.0000	40.52	43.94	84.46	122.20	-37.74	Peak	
3	5860.0000	30.19	43.97	74.16	109.40	-35.24	Peak	
4 *	5980.0000	17.30	44.33	61.63	68.20	-6.57	Peak	

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

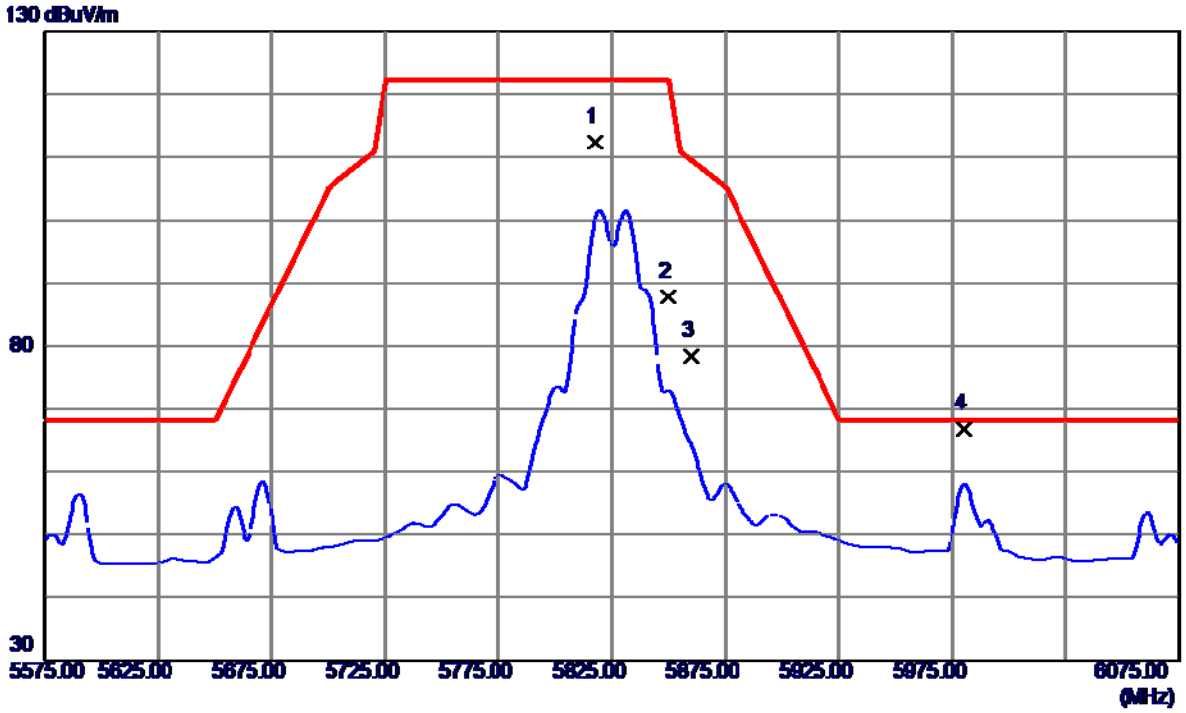
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11648.5300	45.97	17.86	63.83	74.00	-10.17	Peak	
2 *	11651.1400	31.76	17.86	49.62	54.00	-4.38	AVG	

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

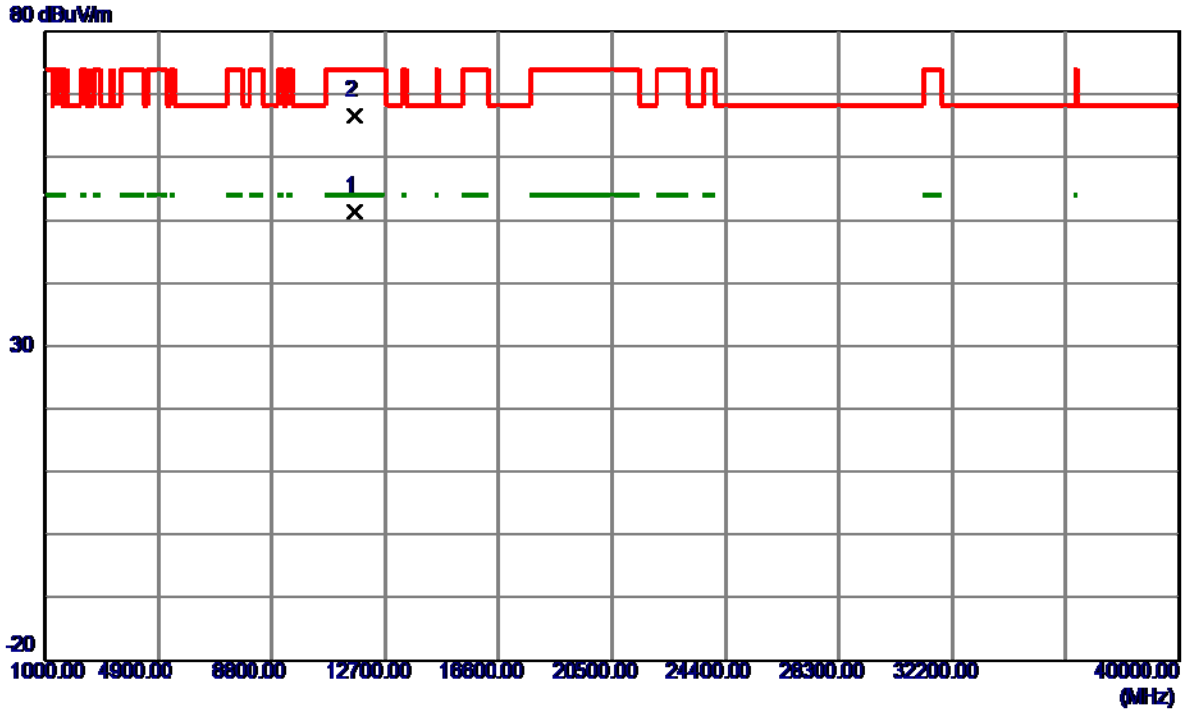
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5818.0000	68.55	43.84	112.39	122.20	-9.81	Peak	
2	5850.0000	43.93	43.94	87.87	122.20	-34.33	Peak	
3	5860.0000	34.52	43.97	78.49	109.40	-30.91	Peak	
4 *	5980.0000	22.55	44.33	66.88	68.20	-1.32	Peak	

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

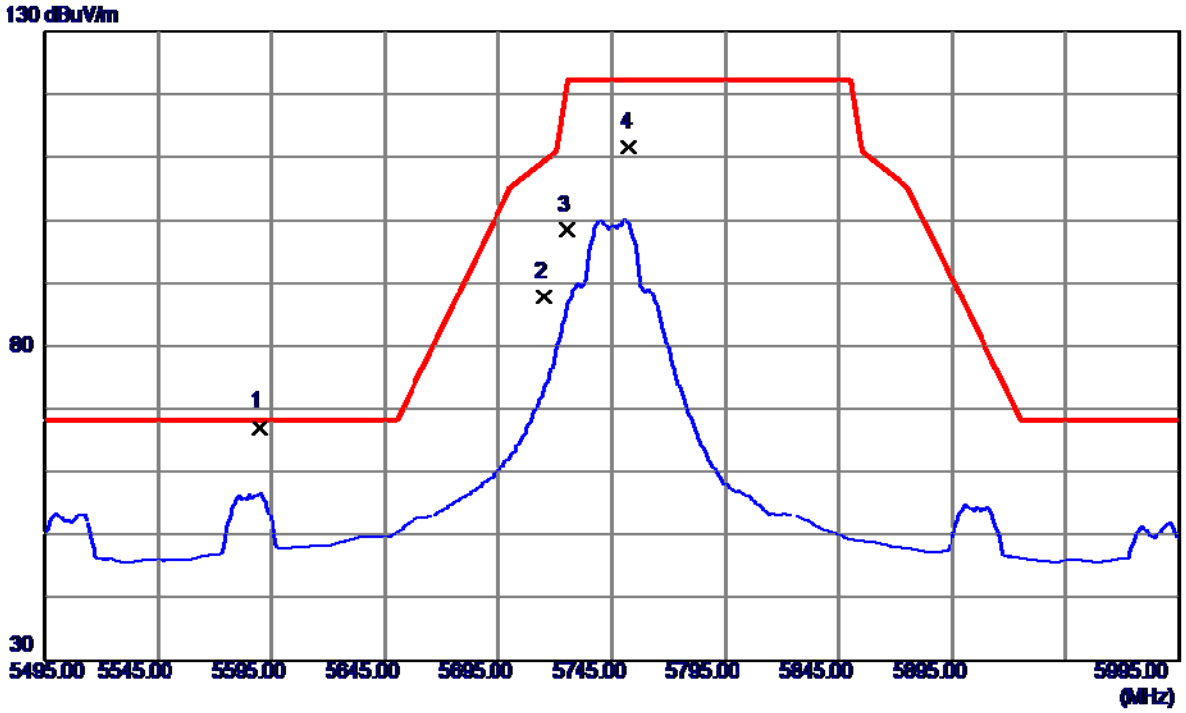
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11647.8500	33.58	17.86	51.44	54.00	-2.56	AVG	
2	11648.4000	48.73	17.86	66.59	74.00	-7.41	Peak	

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

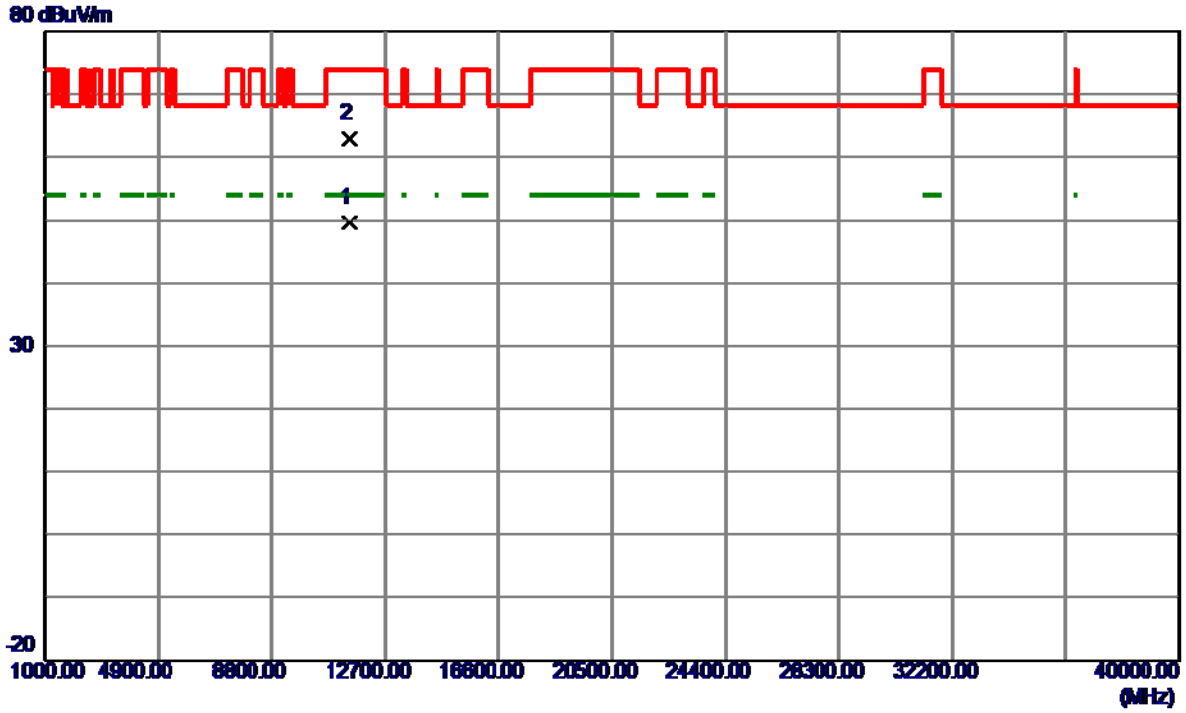
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5590.0000	23.95	43.15	67.10	68.20	-1.10	Peak	
2	5715.0000	44.22	43.53	87.75	109.40	-21.65	Peak	
3	5725.0000	54.77	43.56	98.33	122.20	-23.87	Peak	
4	5752.5000	67.87	43.64	111.51	122.20	-10.69	Peak	

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

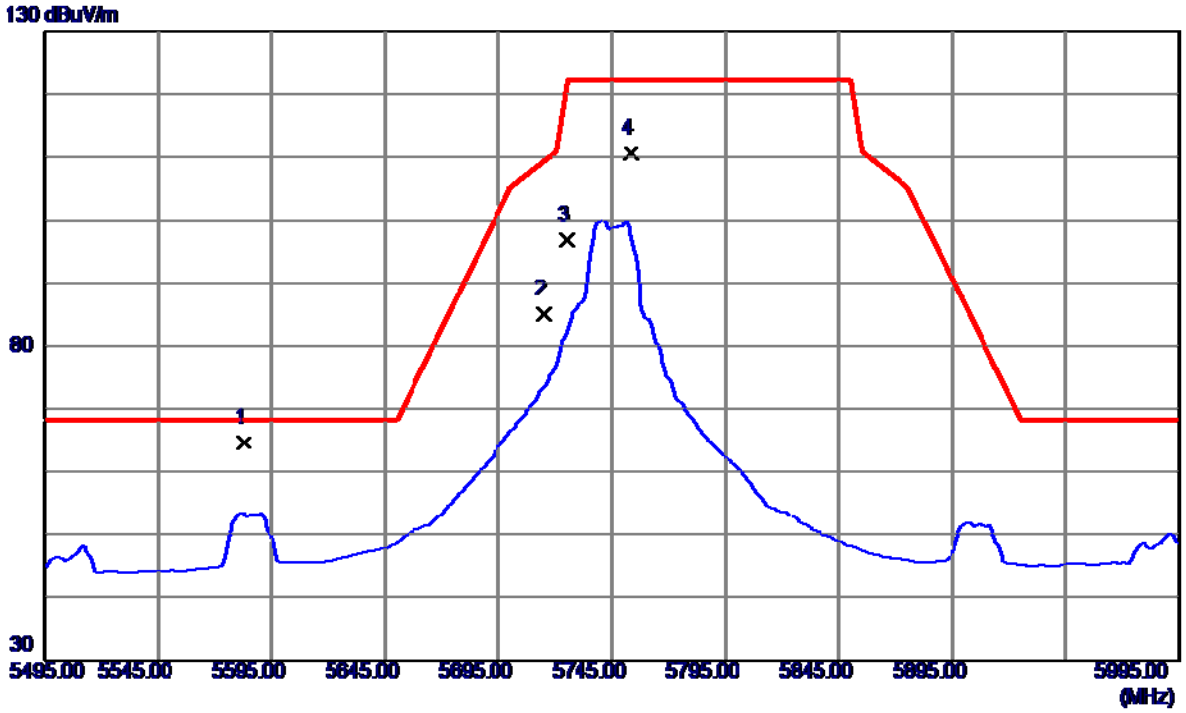
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11487.2500	31.94	17.74	49.68	54.00	-4.32	AVG	
2	11489.8500	45.34	17.75	63.09	74.00	-10.91	Peak	

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

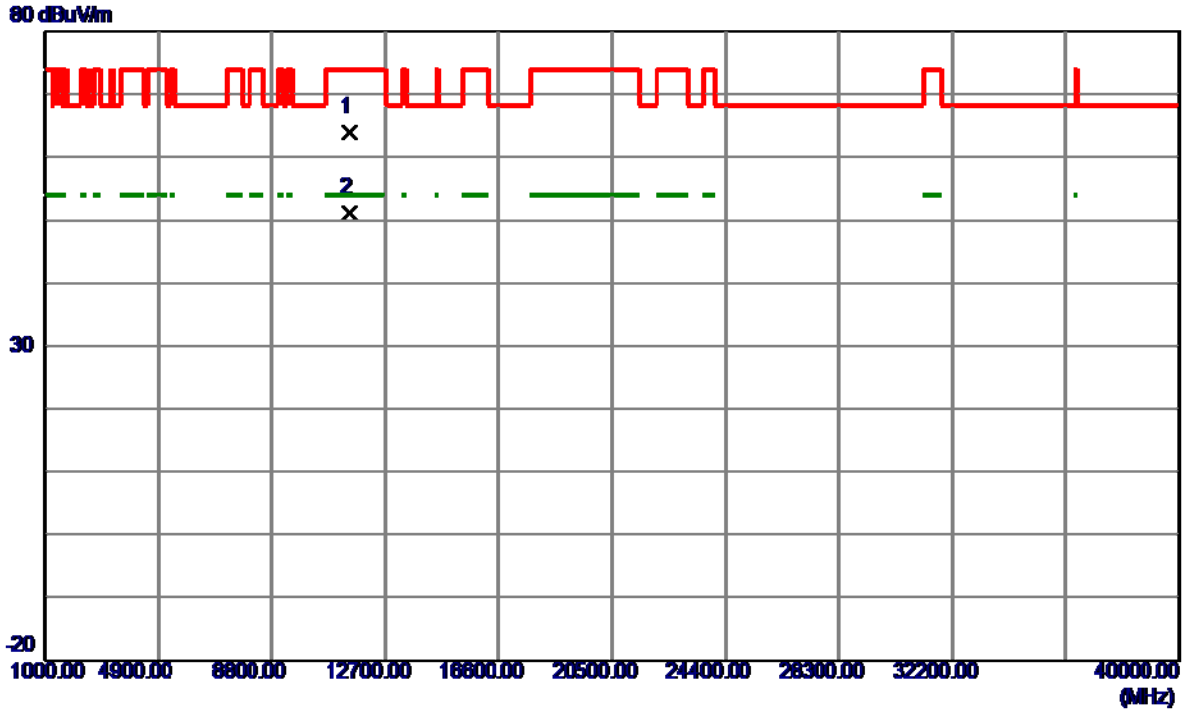
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5583.0000	21.43	43.13	64.56	68.20	-3.64	Peak	
2	5715.0000	41.53	43.53	85.06	109.40	-24.34	Peak	
3	5725.0000	53.21	43.56	96.77	122.20	-25.43	Peak	
4	5753.5000	66.87	43.65	110.52	122.20	-11.68	Peak	

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

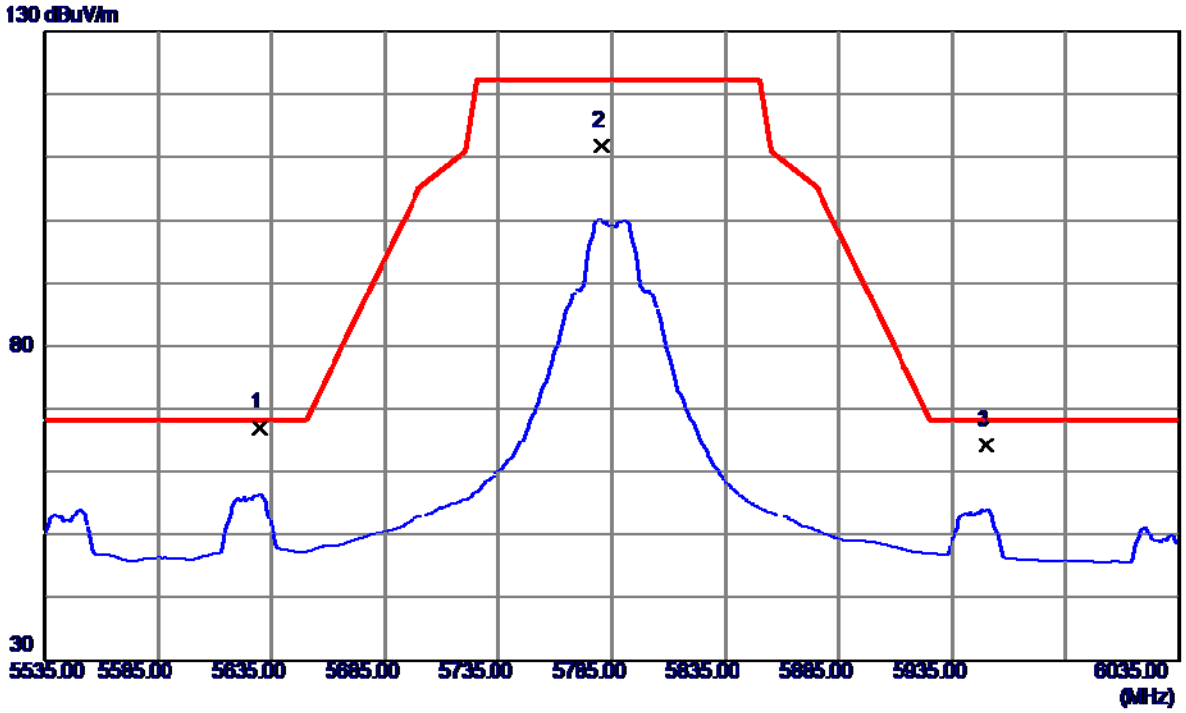
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11487.4500	46.34	17.74	64.08	74.00	-9.92	Peak	
2 *	11492.1000	33.38	17.76	51.14	54.00	-2.86	AVG	

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

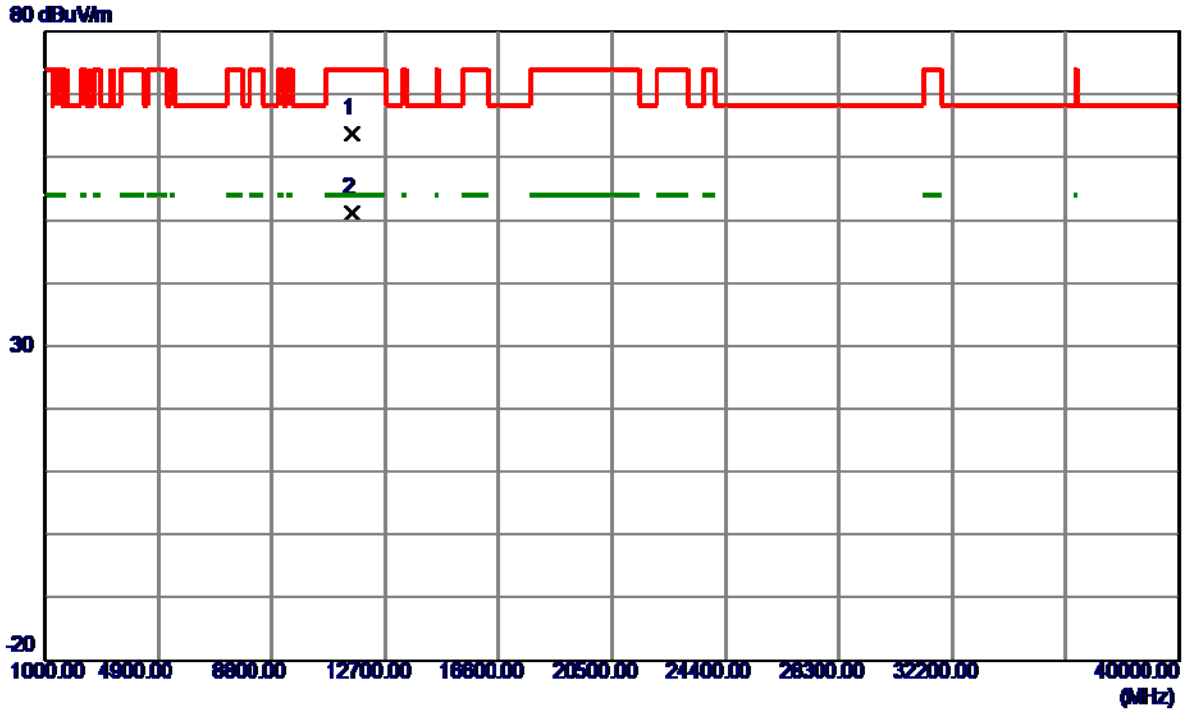
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5630.0000	23.76	43.27	67.03	68.20	-1.17	Peak	
2	5780.5000	68.15	43.73	111.88	122.20	-10.32	Peak	
3	5950.0000	19.96	44.24	64.20	68.20	-4.00	Peak	

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

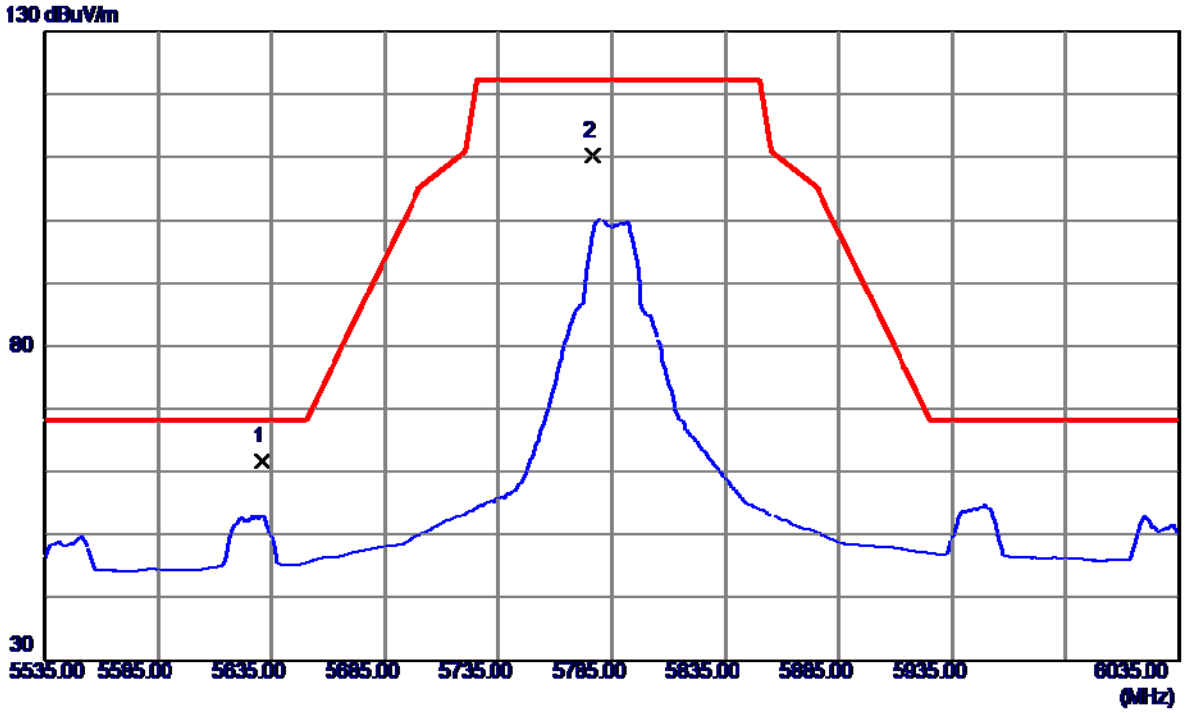
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11571.7300	45.92	17.82	63.74	74.00	-10.26	Peak	
2 *	11572.0000	33.31	17.82	51.13	54.00	-2.87	AVG	

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

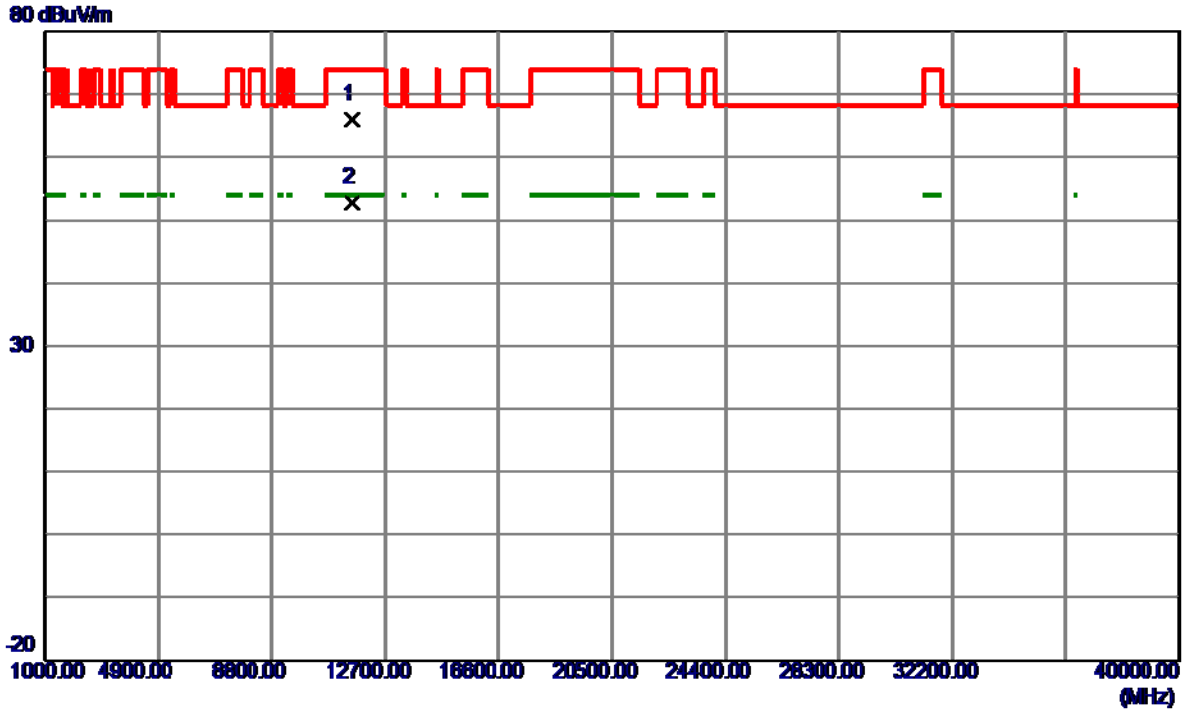
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5631.0000	18.39	43.28	61.67	68.20	-6.53	Peak	
2	5776.5000	66.55	43.71	110.26	122.20	-11.94	Peak	

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

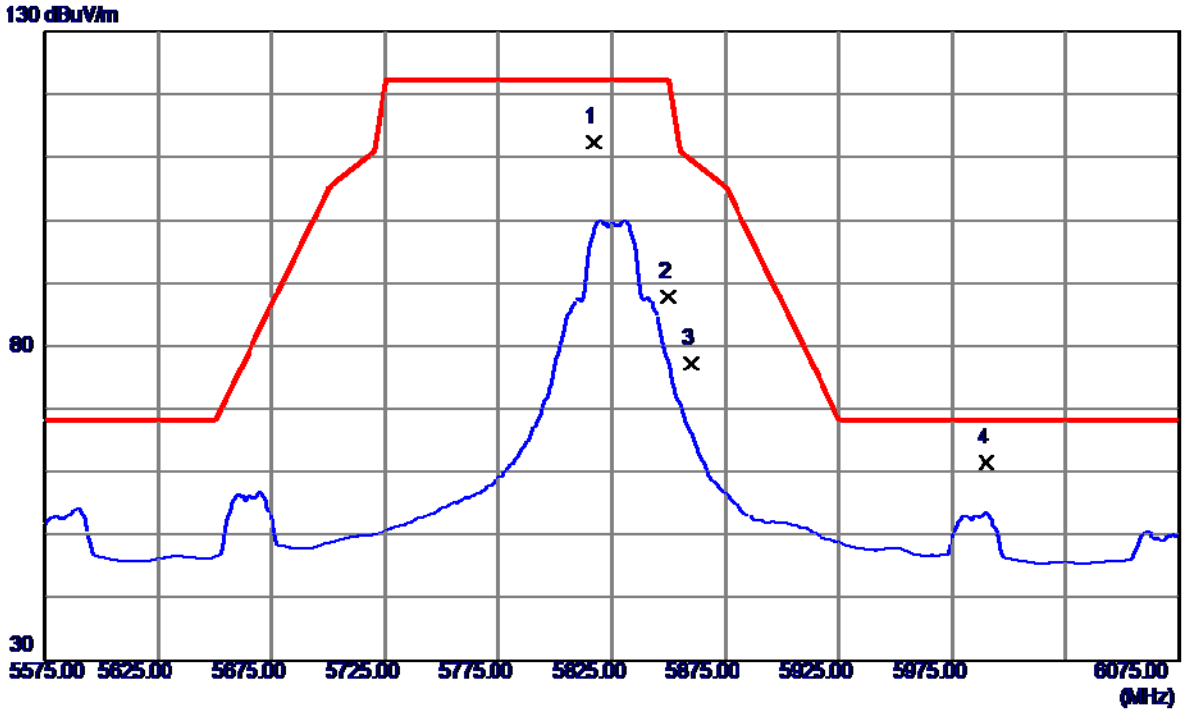
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11567.0500	48.18	17.82	66.00	74.00	-8.00	Peak	
2 *	11572.0000	34.97	17.82	52.79	54.00	-1.21	AVG	

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

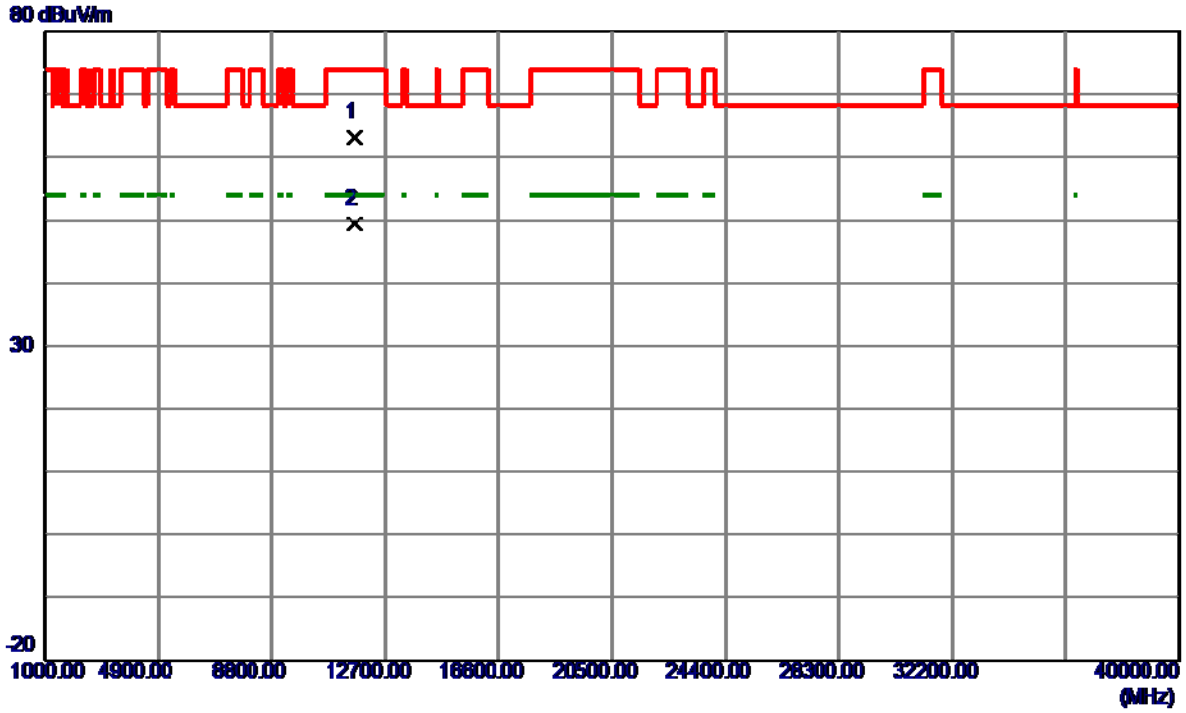
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5817.0000	68.58	43.84	112.42	122.20	-9.78	Peak	
2	5850.0000	43.93	43.94	87.87	122.20	-34.33	Peak	
3	5860.0000	33.21	43.97	77.18	109.40	-32.22	Peak	
4 *	5990.0000	17.06	44.36	61.42	68.20	-6.78	Peak	

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

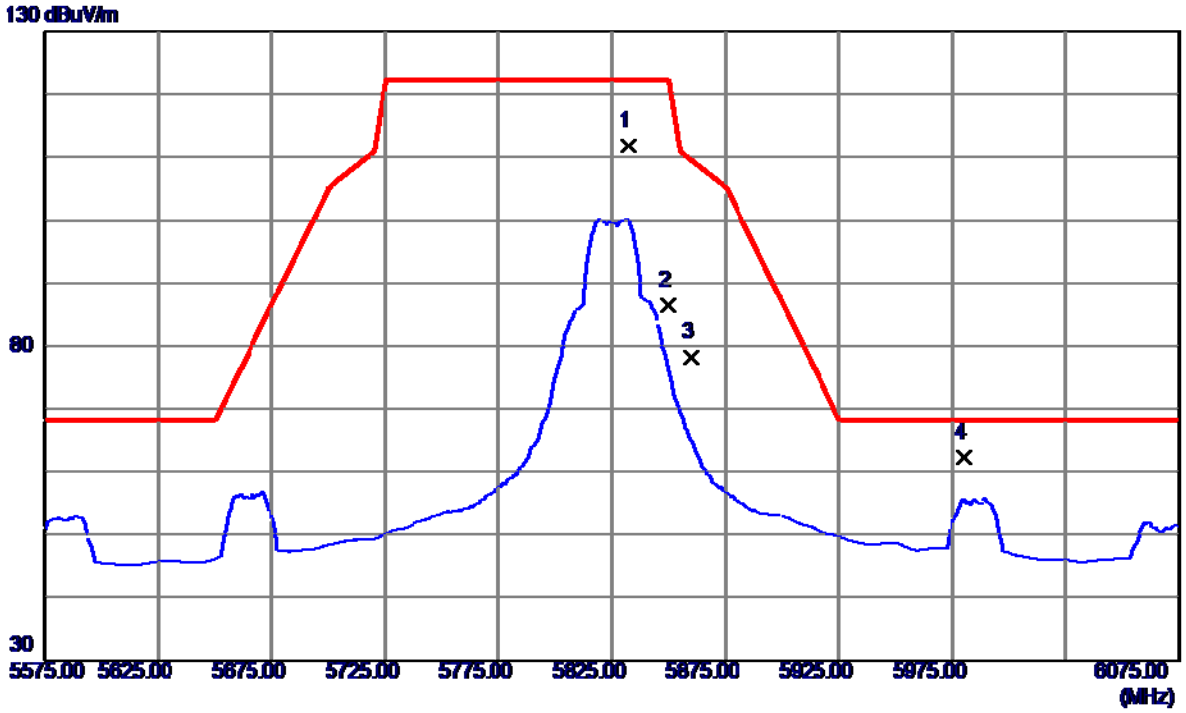
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11651.9200	45.33	17.86	63.19	74.00	-10.81	Peak	
2 *	11652.0599	31.60	17.86	49.46	54.00	-4.54	AVG	

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

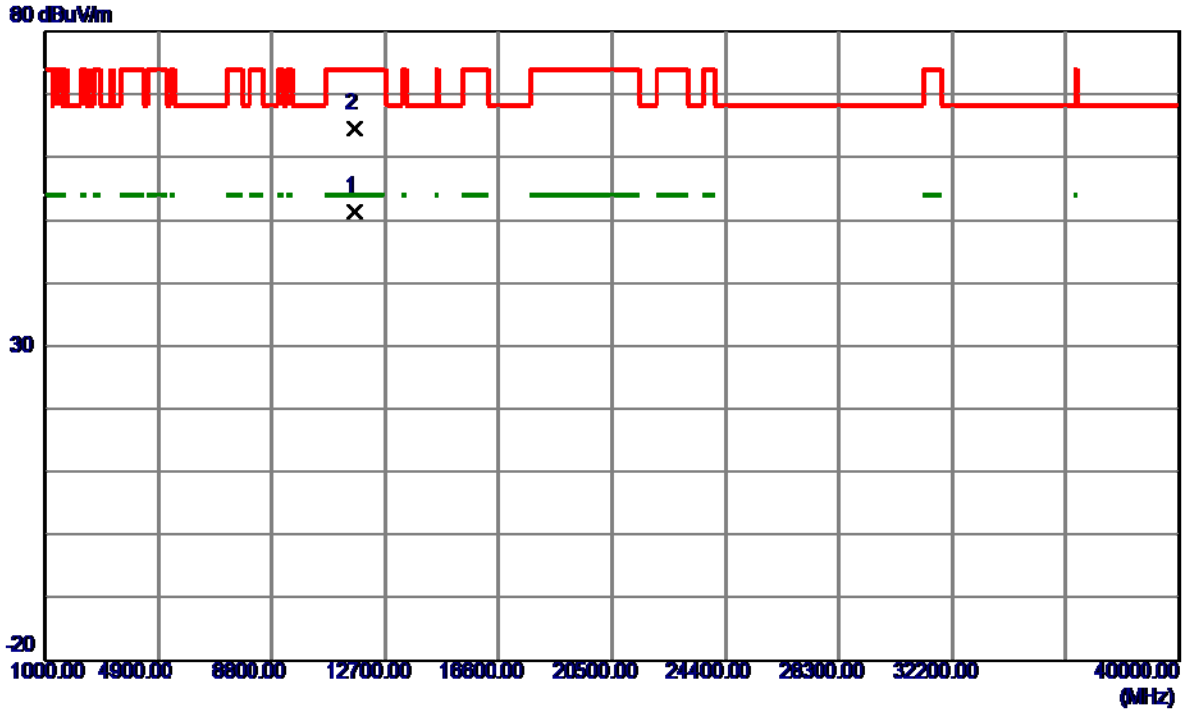
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5832.0000	67.91	43.88	111.79	122.20	-10.41	Peak	
2	5850.0000	42.48	43.94	86.42	122.20	-35.78	Peak	
3	5860.0000	34.31	43.97	78.28	109.40	-31.12	Peak	
4 *	5980.0000	17.79	44.33	62.12	68.20	-6.08	Peak	

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

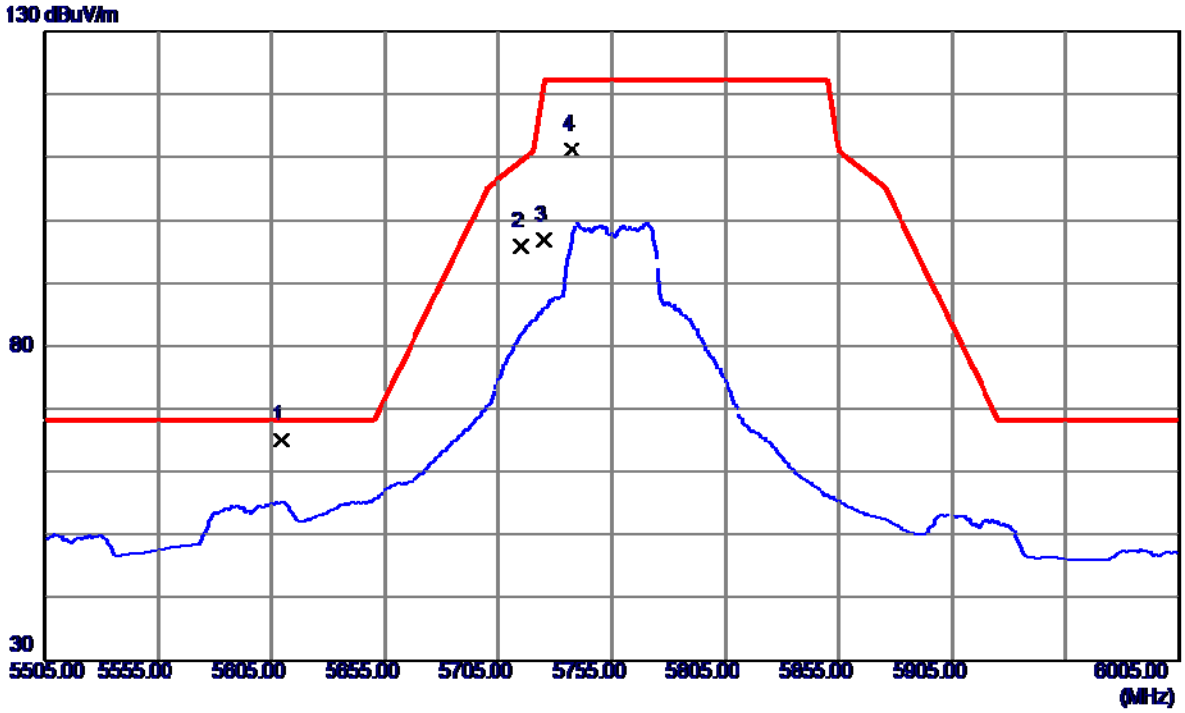
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11647.9000	33.56	17.86	51.42	54.00	-2.58	AVG	
2	11648.4500	46.68	17.86	64.54	74.00	-9.46	Peak	

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

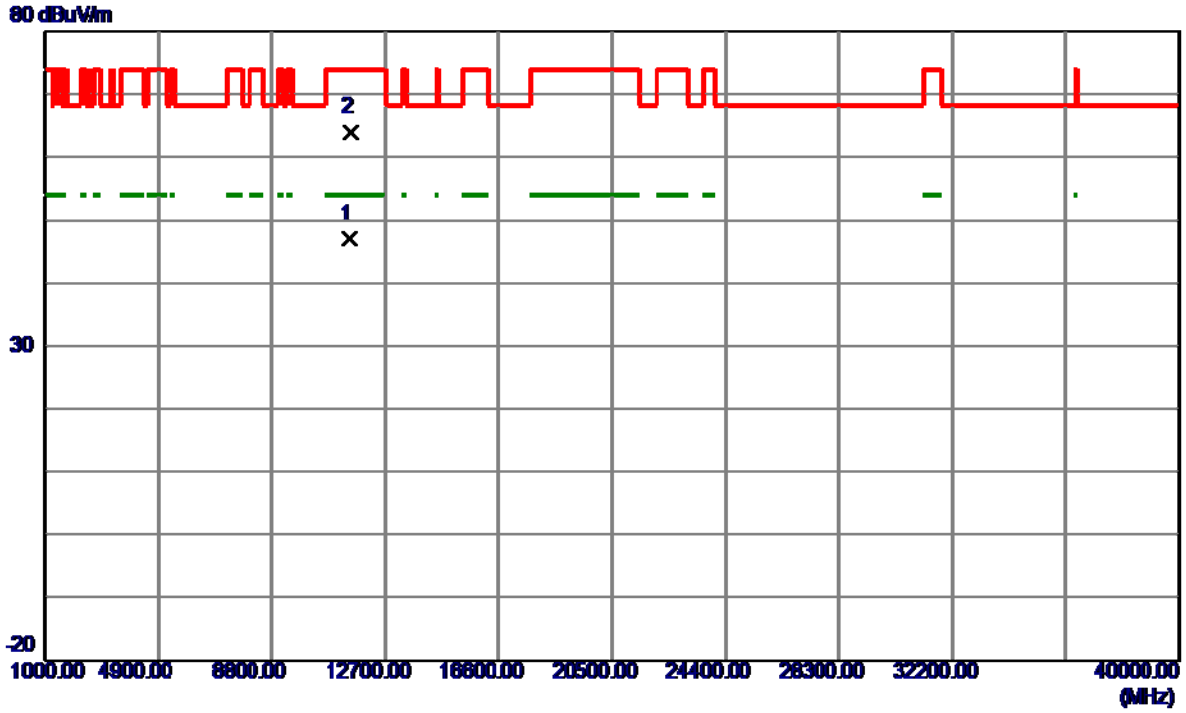
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5609.5000	21.78	43.21	64.99	68.20	-3.21	Peak	
2	5715.0000	52.18	43.53	95.71	109.40	-13.69	Peak	
3	5725.0000	53.26	43.56	96.82	122.20	-25.38	Peak	
4	5737.0000	67.64	43.60	111.24	122.20	-10.96	Peak	

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

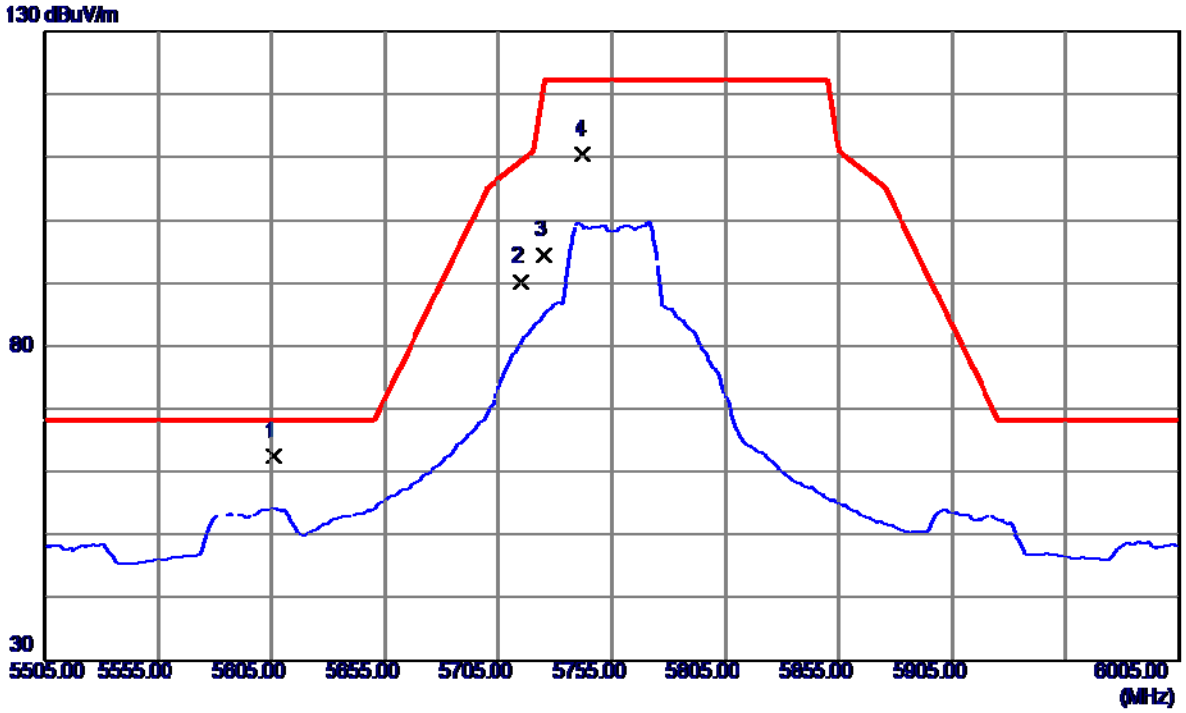
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11507.6150	29.30	17.79	47.09	54.00	-6.91	AVG	
2	11511.2150	46.30	17.79	64.09	74.00	-9.91	Peak	

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

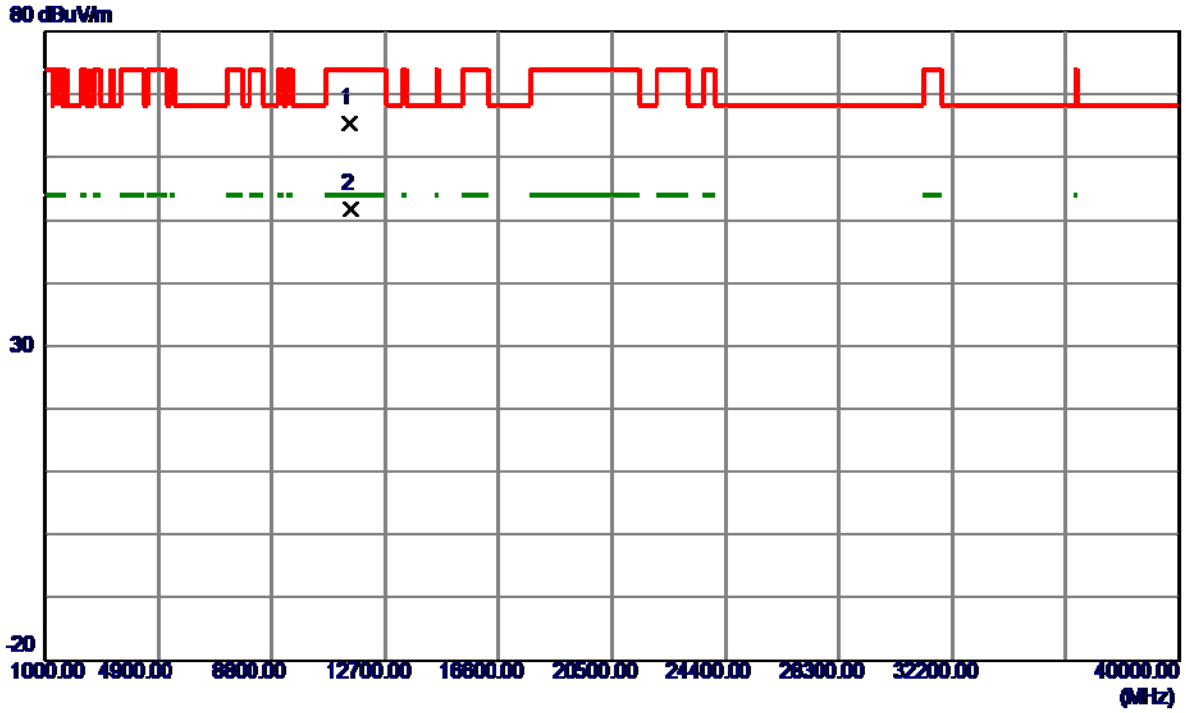
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5606.0000	19.24	43.20	62.44	68.20	-5.76	Peak	
2	5715.0000	46.70	43.53	90.23	109.40	-19.17	Peak	
3	5725.0000	50.76	43.56	94.32	122.20	-27.88	Peak	
4	5742.5000	66.75	43.61	110.36	122.20	-11.84	Peak	

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

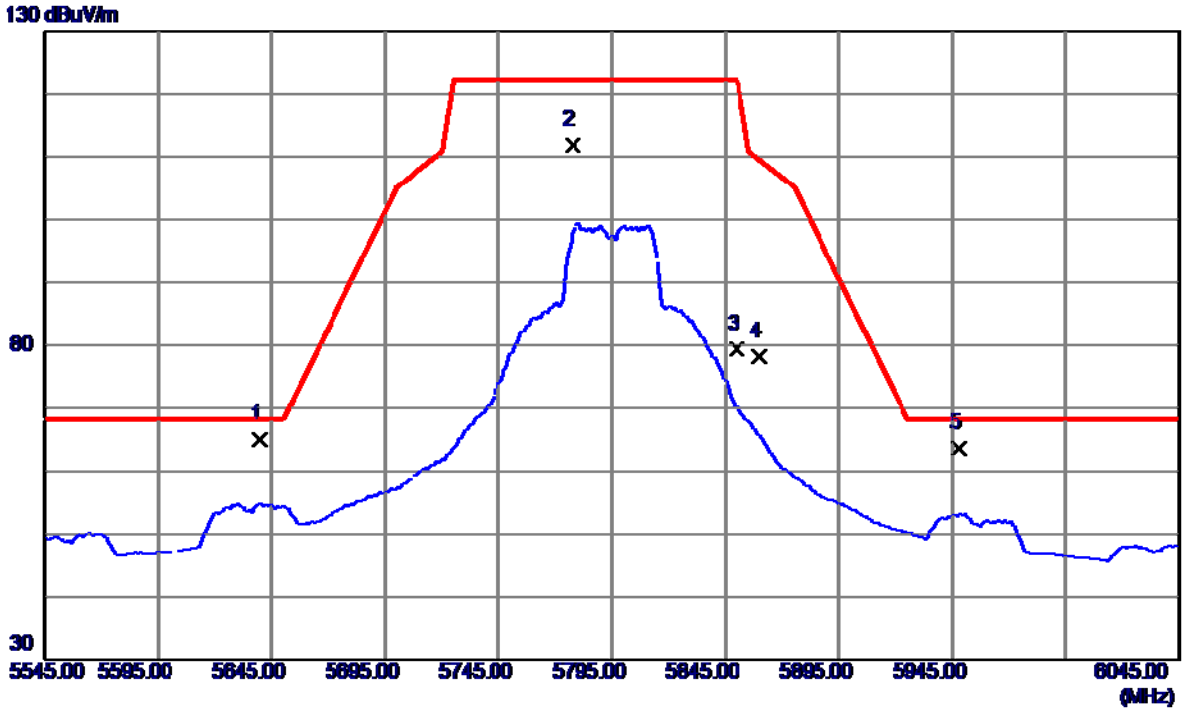
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11507.0000	47.63	17.79	65.42	74.00	-8.58	Peak	
2 *	11511.7000	34.08	17.79	51.87	54.00	-2.13	AVG	

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

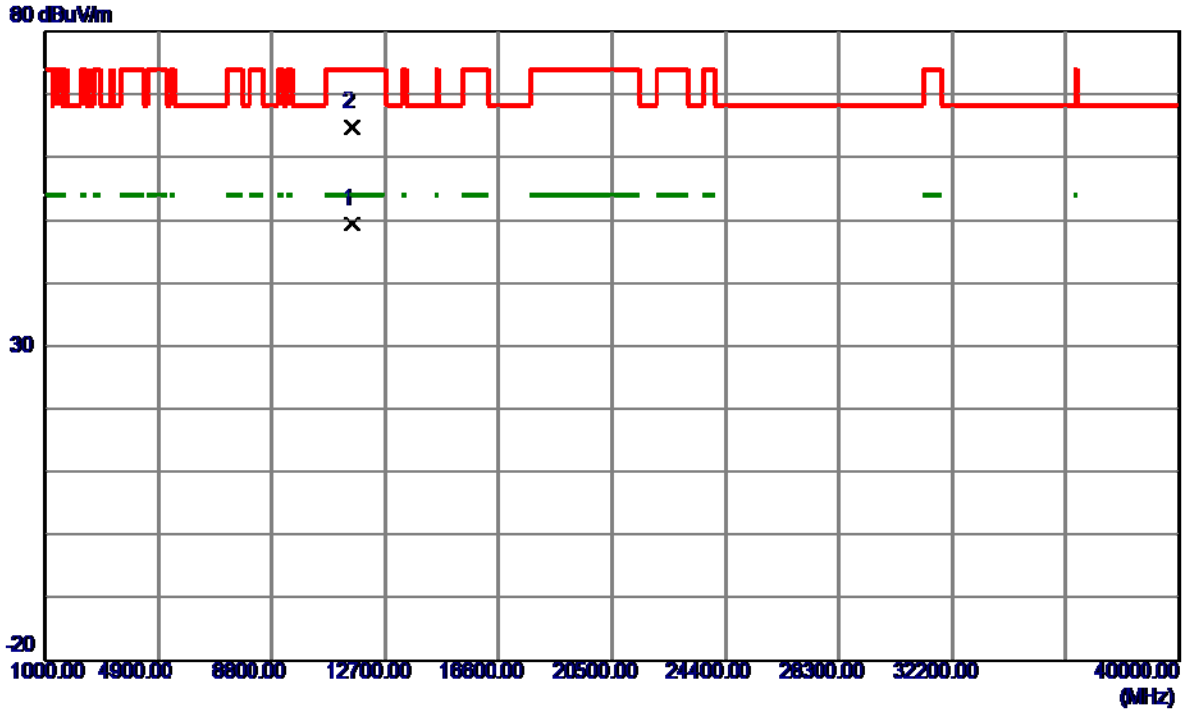
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5640.0000	21.63	43.30	64.93	68.20	-3.27	Peak	
2	5777.5000	68.12	43.72	111.84	122.20	-10.36	Peak	
3	5850.0000	35.55	43.94	79.49	122.20	-42.71	Peak	
4	5860.0000	34.25	43.97	78.22	109.40	-31.18	Peak	
5	5948.0000	19.29	44.23	63.52	68.20	-4.68	Peak	

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

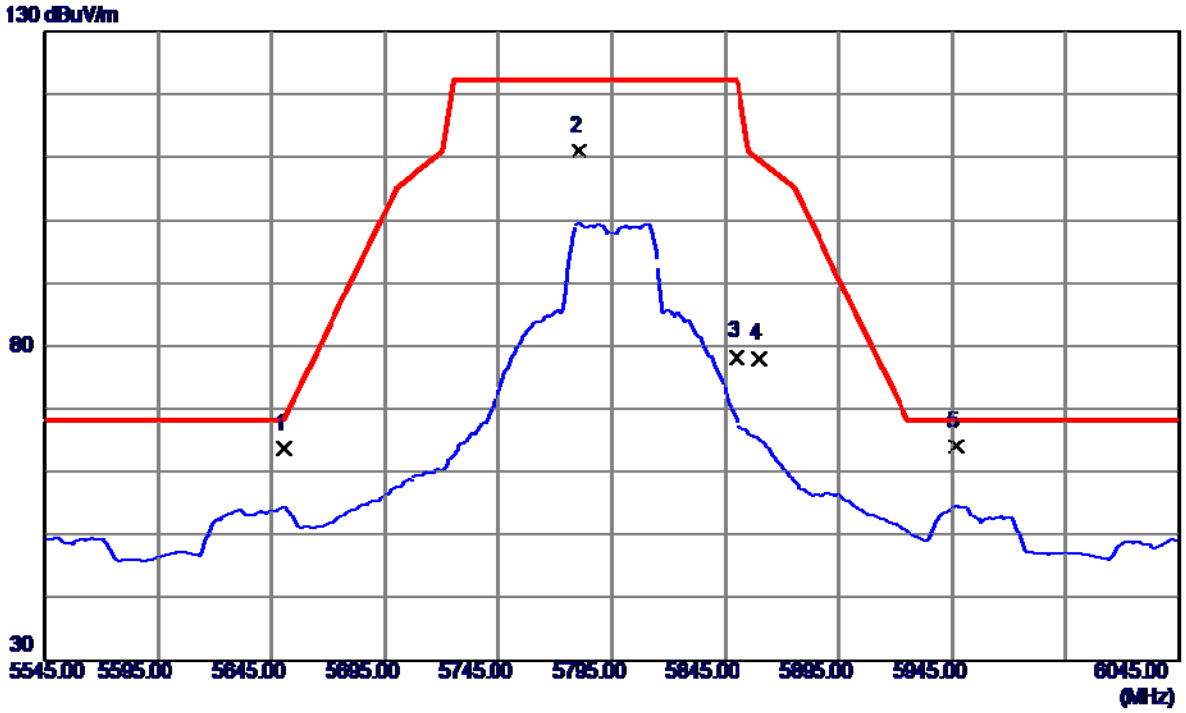
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11587.1400	31.50	17.83	49.33	54.00	-4.67	AVG	
2	11589.7300	47.01	17.83	64.84	74.00	-9.16	Peak	

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

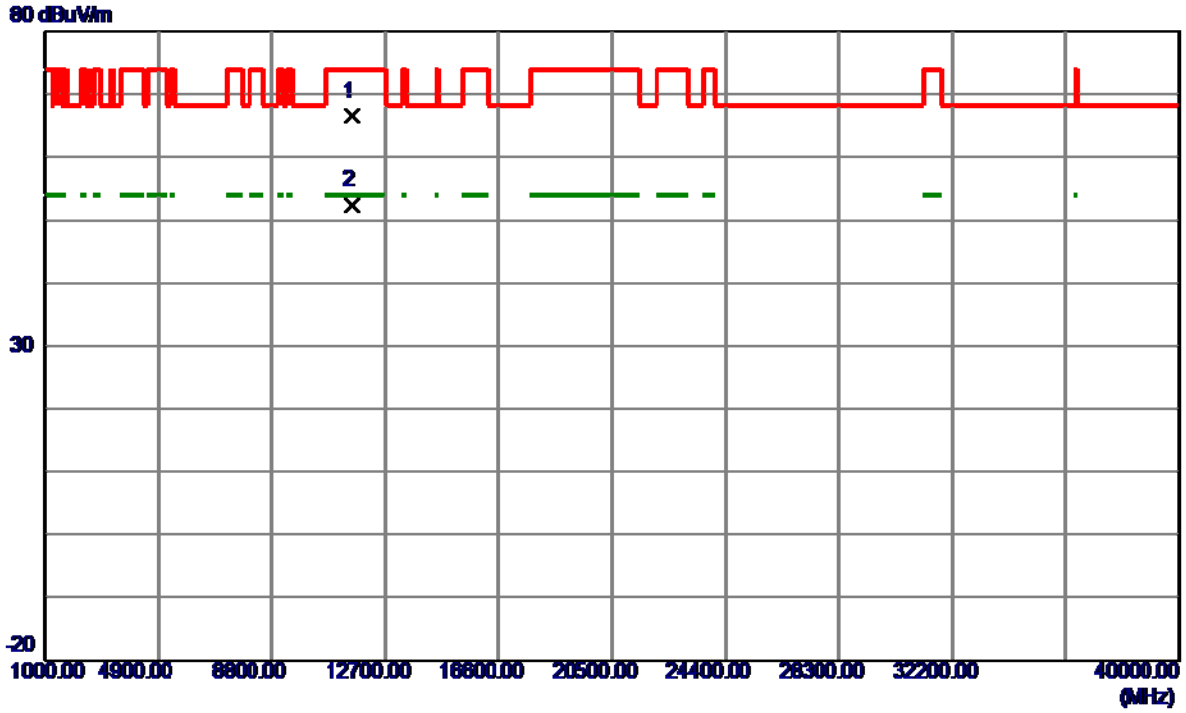
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5650.5000	20.27	43.33	63.60	68.57	-4.97	Peak	
2	5780.5000	67.26	43.73	110.99	122.20	-11.21	Peak	
3	5850.0000	34.36	43.94	78.30	122.20	-43.90	Peak	
4	5860.0000	33.98	43.97	77.95	109.40	-31.45	Peak	
5 *	5946.5000	19.86	44.23	64.09	68.20	-4.11	Peak	

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

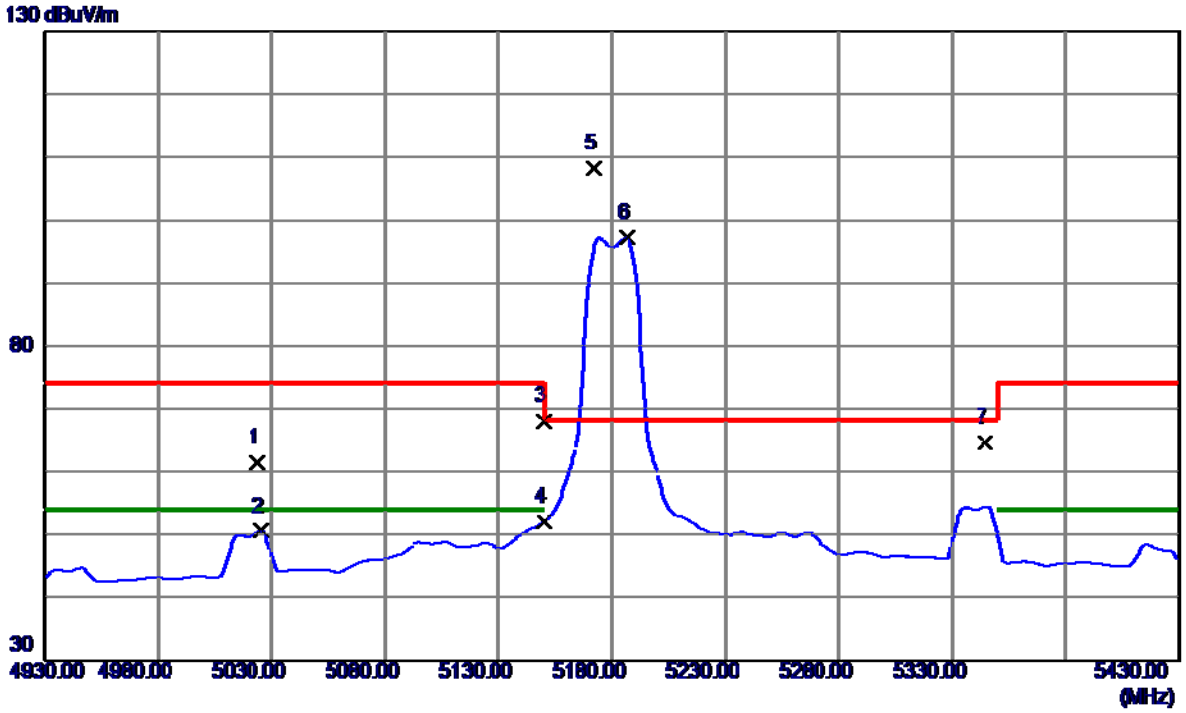
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11591.8000	48.67	17.83	66.50	74.00	-7.50	Peak	
2 *	11591.9000	34.50	17.83	52.33	54.00	-1.67	AVG	

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

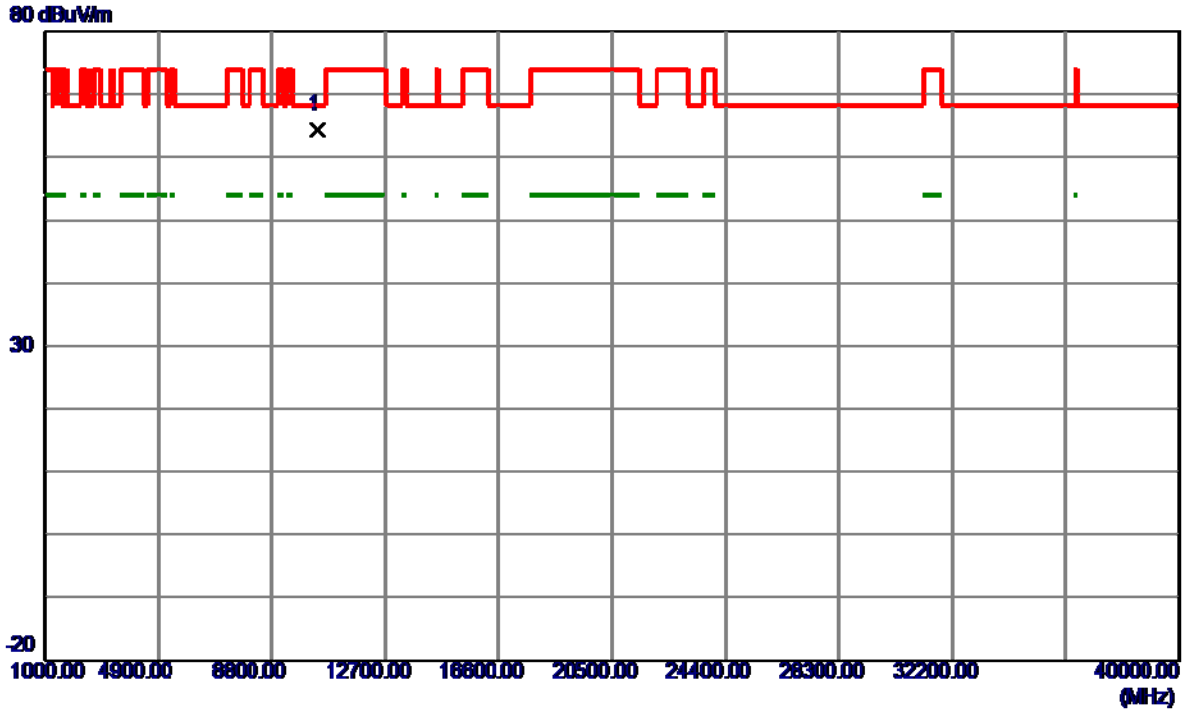
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5023.9000	20.93	40.46	61.39	74.00	-12.61	Peak	
2	5025.5000	10.03	40.47	50.50	54.00	-3.50	AVG	
3	5150.0000	26.92	41.10	68.02	74.00	-5.98	Peak	
4	5150.0000	10.93	41.10	52.03	54.00	-1.97	AVG	
5 *	5172.0000	66.93	41.21	108.14	68.30	39.84	Peak	No Limit
6	5186.5000	55.92	41.29	97.21	999.00	-901.79	AVG	No Limit
7	5344.5000	22.58	42.09	64.67	68.30	-3.63	Peak	

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

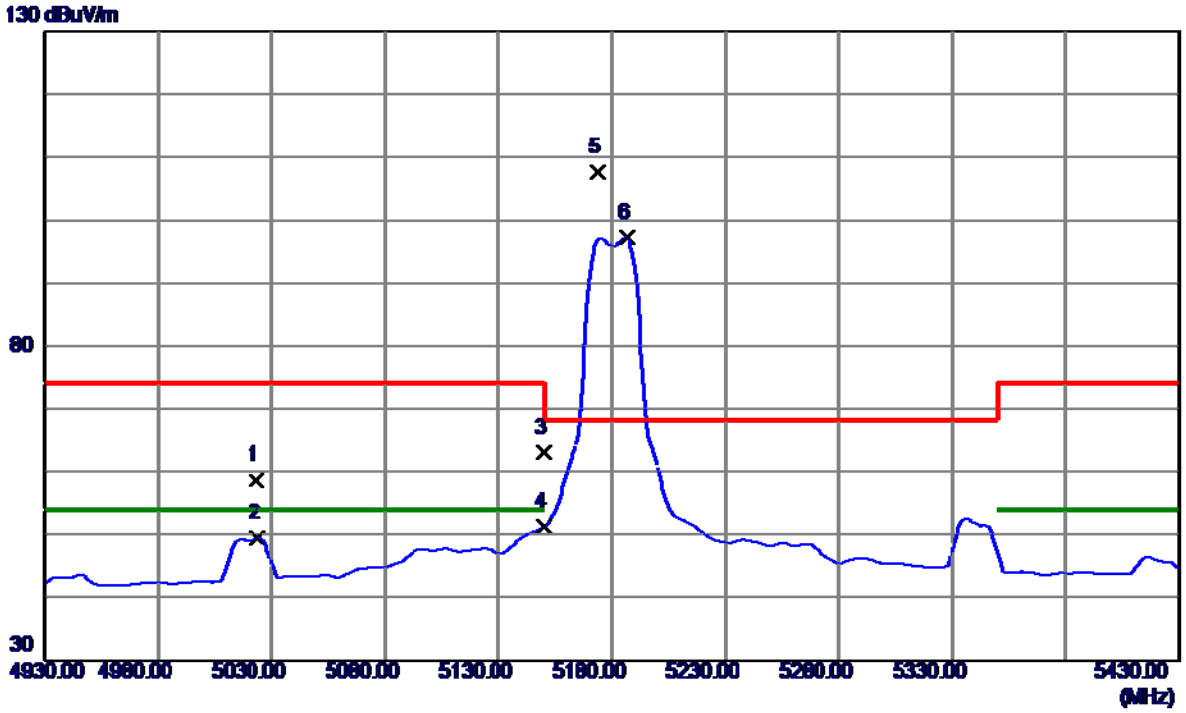
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10357.3550	48.15	16.32	64.47	68.30	-3.83	Peak	

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

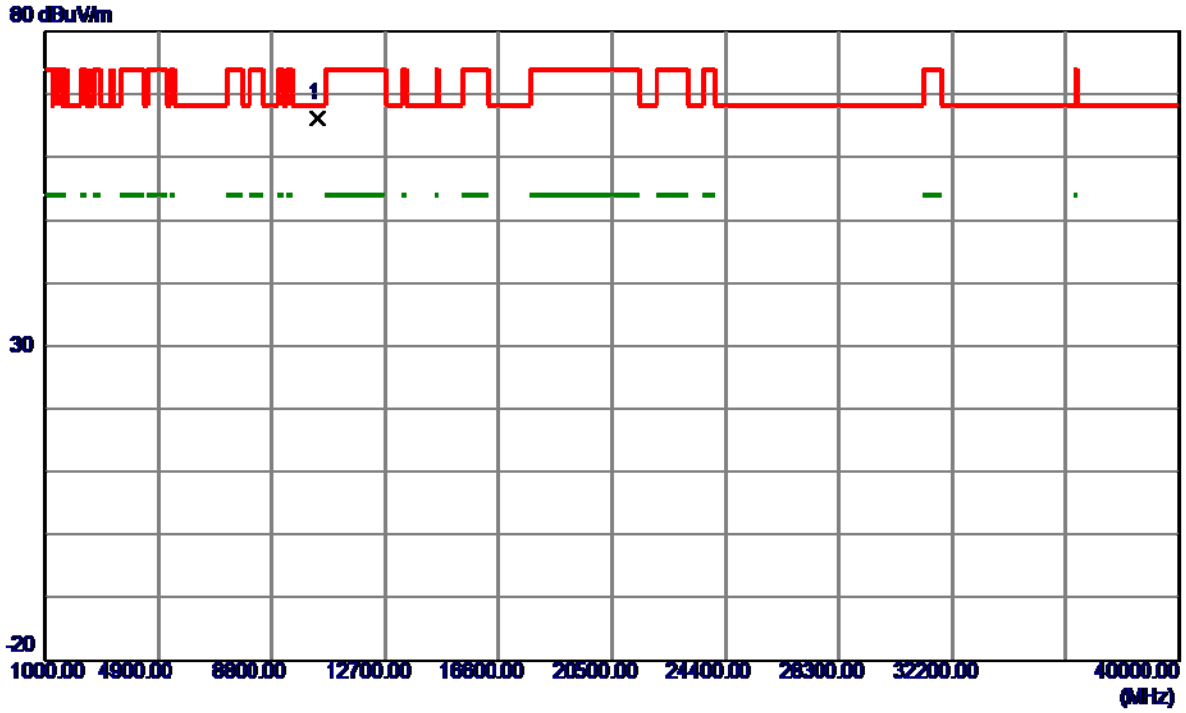
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5023.5000	18.16	40.46	58.62	74.00	-15.38	Peak	
2	5024.0000	8.90	40.46	49.36	54.00	-4.64	AVG	
3	5150.0000	21.86	41.10	62.96	74.00	-11.04	Peak	
4	5150.0000	10.11	41.10	51.21	54.00	-2.79	AVG	
5 *	5174.0000	66.29	41.22	107.51	68.30	39.21	Peak	No Limit
6	5186.5000	55.92	41.29	97.21	999.00	-901.79	AVG	No Limit

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

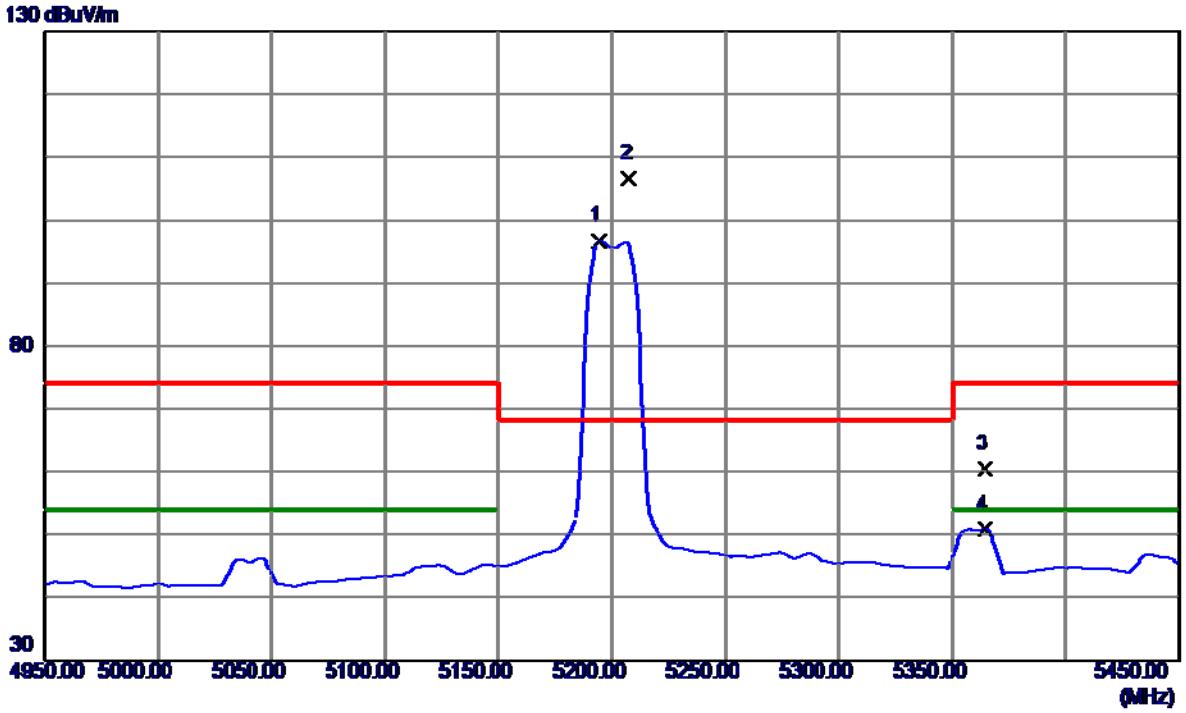
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10361.4000	49.96	16.33	66.29	68.30	-2.01	Peak	

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

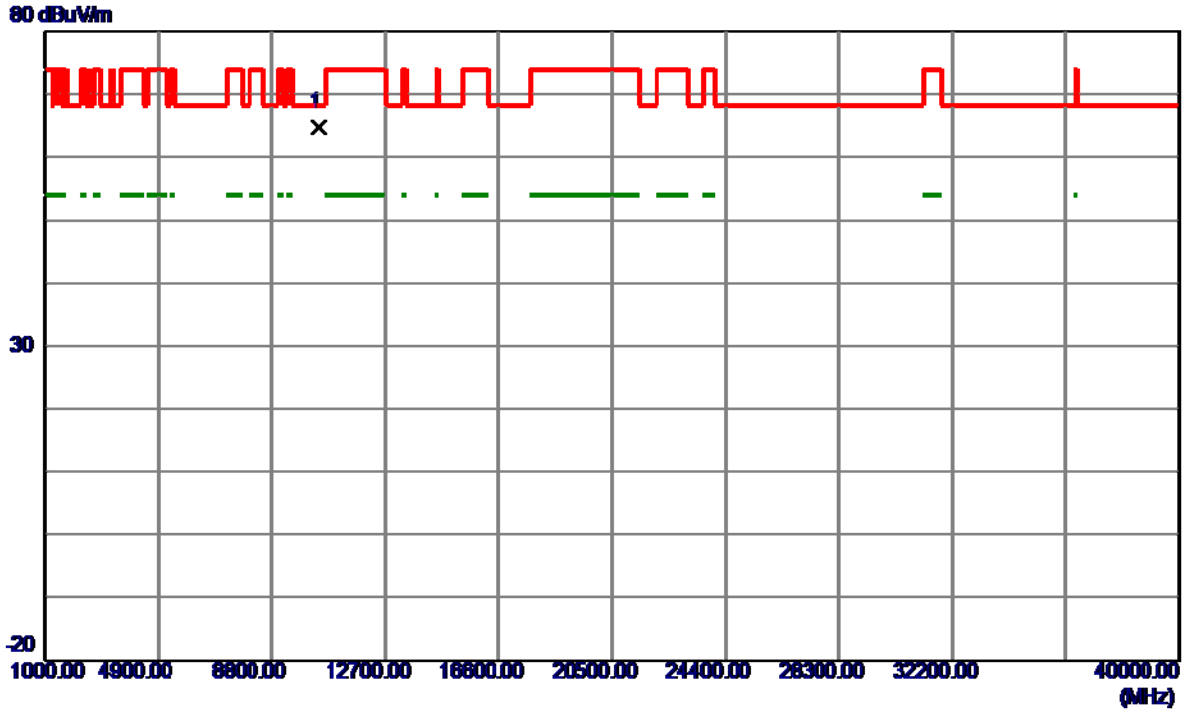
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.5000	55.37	41.33	96.70	999.00	-902.30	AVG	No Limit
2 *	5207.5000	65.29	41.39	106.68	68.30	38.38	Peak	No Limit
3	5364.5000	18.20	42.19	60.39	74.00	-13.61	Peak	
4	5364.5000	8.67	42.19	50.86	54.00	-3.14	AVG	

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

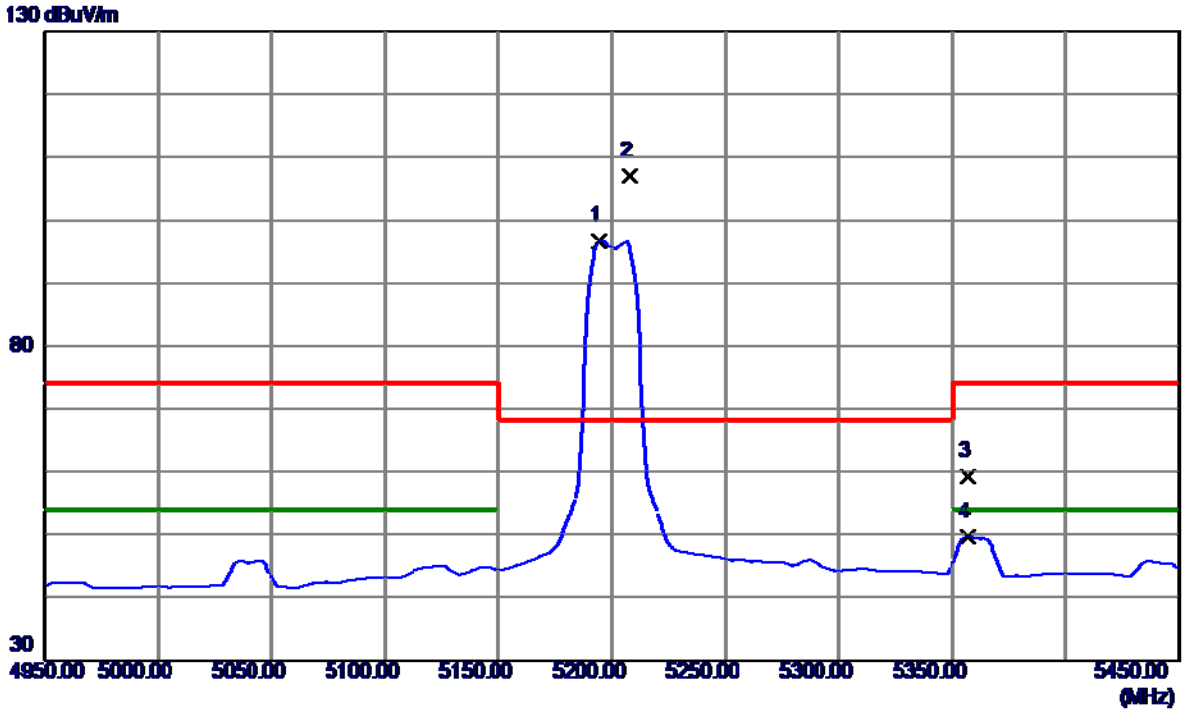
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10397.1560	48.35	16.43	64.78	68.30	-3.52	Peak	

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

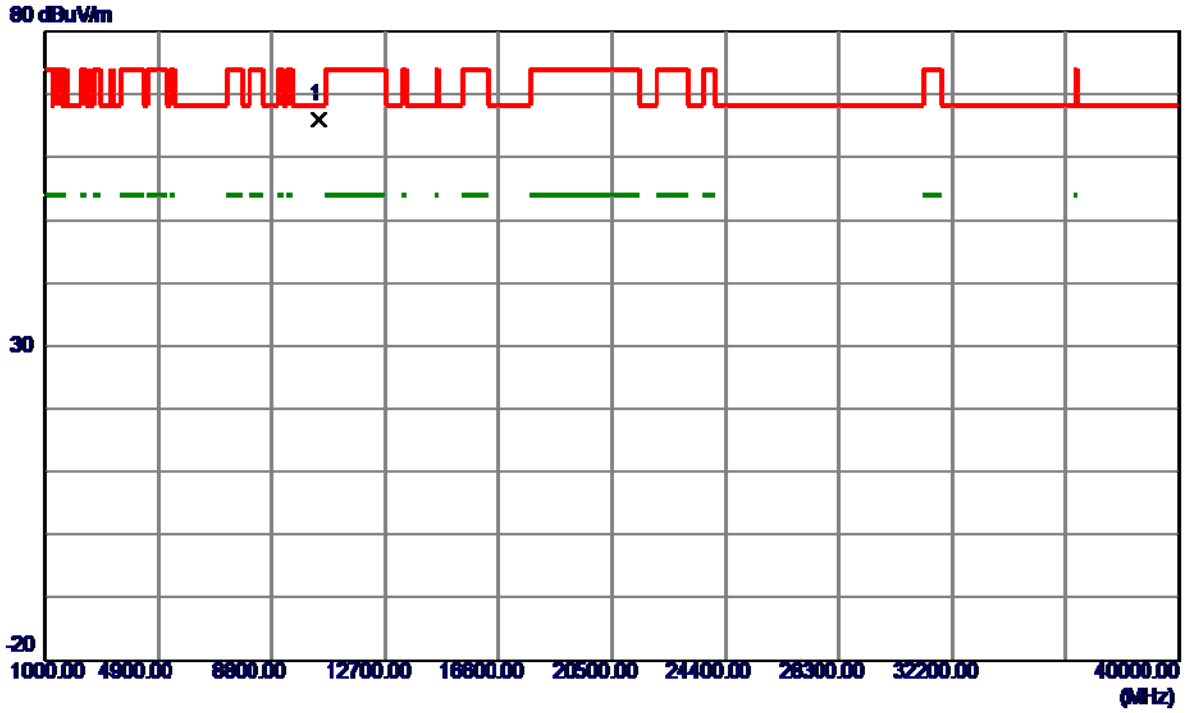
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.5000	55.37	41.33	96.70	999.00	-902.30	AVG	No Limit
2 *	5208.0000	65.66	41.40	107.06	68.30	38.76	Peak	No Limit
3	5356.5000	17.12	42.15	59.27	74.00	-14.73	Peak	
4	5356.5000	7.51	42.15	49.66	54.00	-4.34	AVG	

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

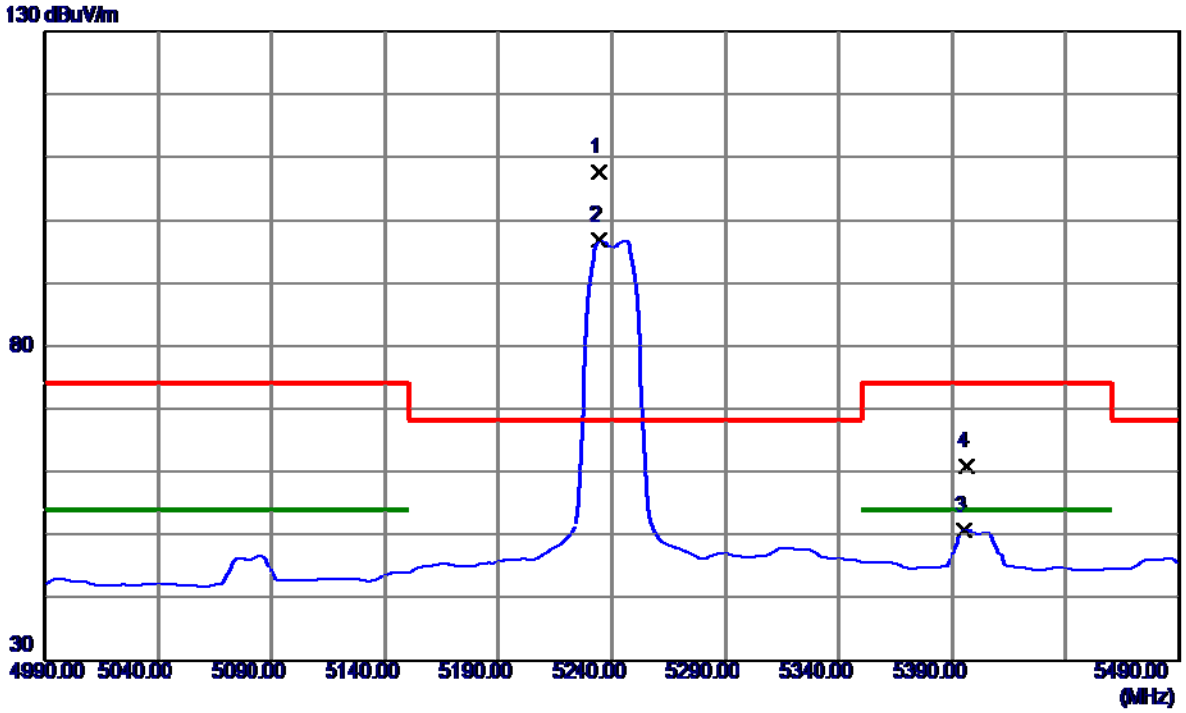
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10394.1000	49.50	16.42	65.92	68.30	-2.38	Peak	

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

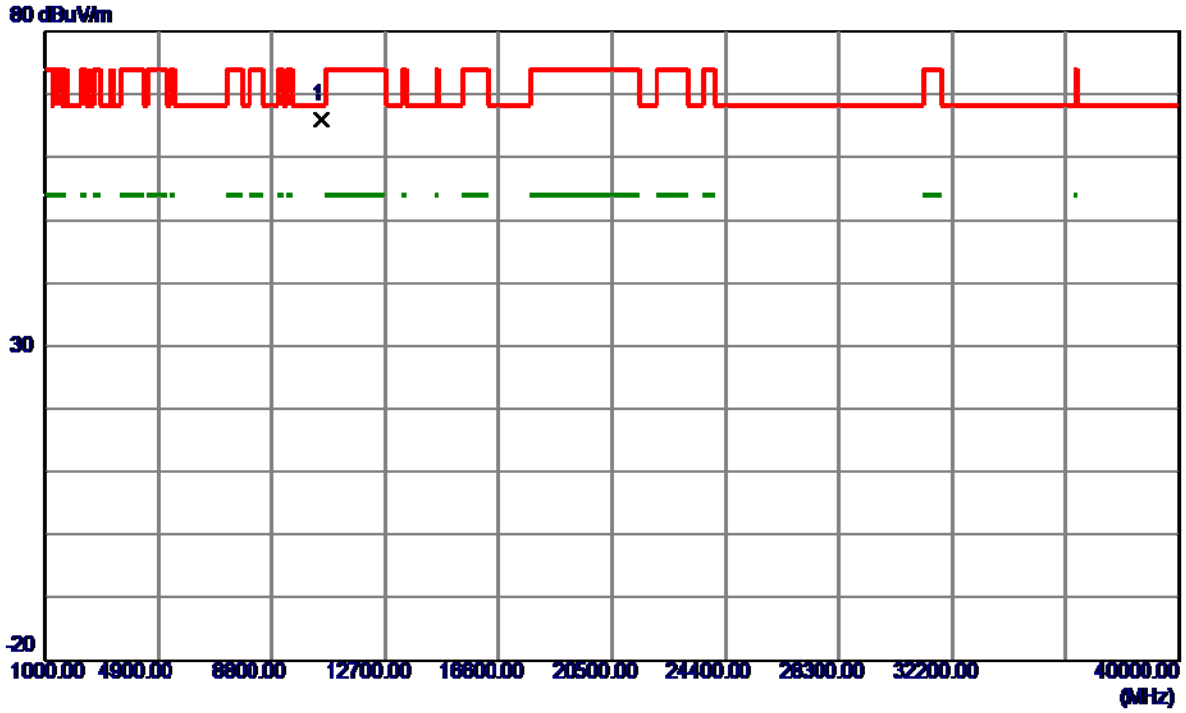
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5234.5000	66.16	41.53	107.69	68.30	39.39	Peak	No Limit
2	5234.5000	55.18	41.53	96.71	999.00	-902.29	AVG	No Limit
3	5395.0000	8.23	42.35	50.58	54.00	-3.42	AVG	
4	5396.3000	18.42	42.35	60.77	74.00	-13.23	Peak	

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

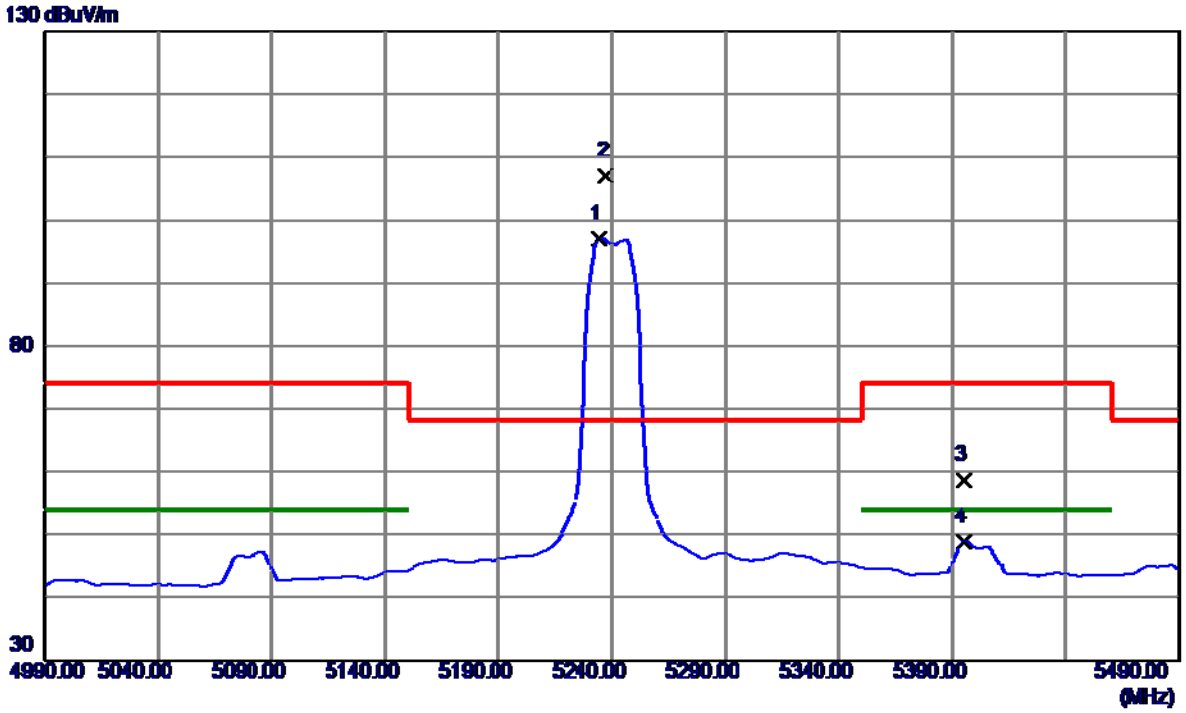
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10477.3050	49.33	16.64	65.97	68.30	-2.33	Peak	

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

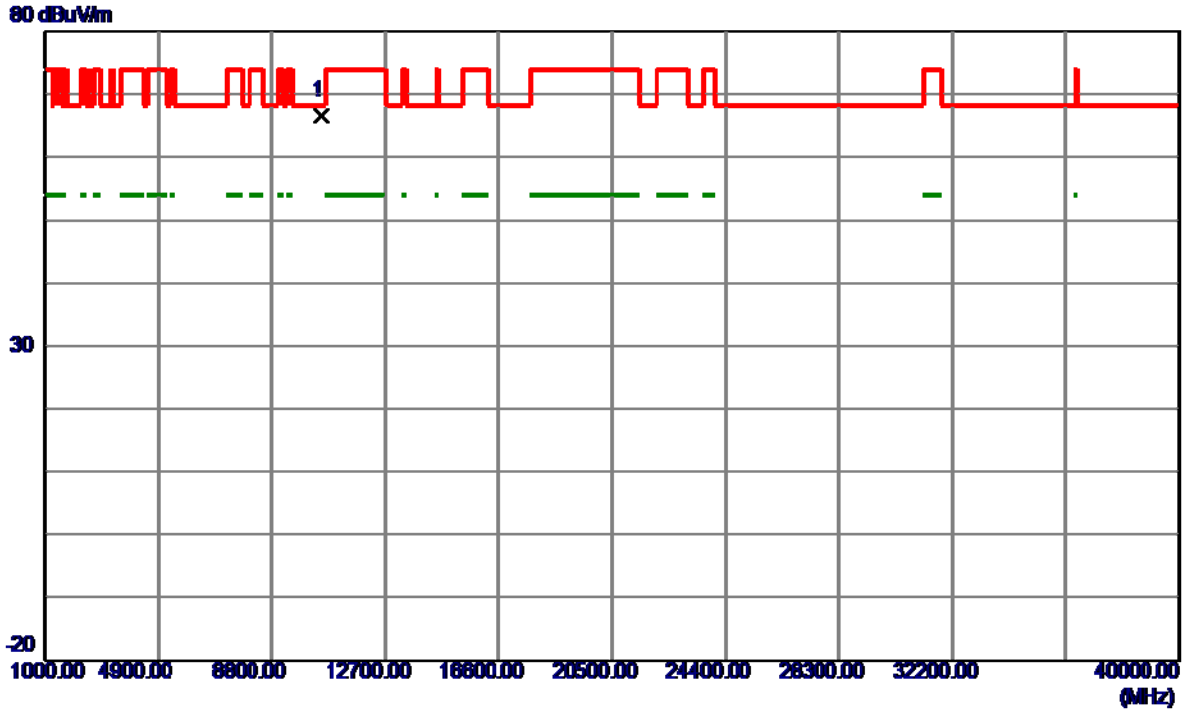
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5234.5000	55.48	41.53	97.01	999.00	-901.99	AVG	No Limit
2 *	5237.5000	65.40	41.55	106.95	68.30	38.65	Peak	No Limit
3	5395.0000	16.34	42.35	58.69	74.00	-15.31	Peak	
4	5395.0000	6.43	42.35	48.78	54.00	-5.22	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10473.9000	50.01	16.64	66.65	68.30	-1.65	Peak	