FCC Radio Test Report

FCC ID: M82-ARK2250L

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

Project No.	:	1708012
Equipment	:	Computer
Test Model	:	ARK-2250
Series Model	:	ARK-2250XXXXXXXXXXXXX, ARK2250XXXXXXXXXXXXX (where X may be any alphanumeric character , blank or "-".)
Applicant	:	Advantech Co., Ltd.
Address	:	No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei 11491, Taiwan, R.O.C.

Date of Receipt	:	Sep. 10, 2017
Date of Test	:	Sep. 10, 2017 ~ Dec. 13, 2017
Issued Date	:	Dec. 18, 2017
Tested by	:	BTL Inc.

Testing Engineer : Kenji Lin
(Kenji Lin)

Technical Manager : James Chiu
(James Chiu)

Authorized Signatory : Andy Chiu
(Andy Chiu)

BTL INC.

No.18, Ln. 171, Sec. 2, Jiuzong Rd.,
Neihu Dist., Taipei City, Taiwan (R.O.C.)
TEL:+886-2-2657-3299 FAX: +886-2-2657-3331

ilac-MRA TAF Testing Laboratory 0659

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.	Description	Issued Date
BTL-FCCP-4-1708012	Original Issue.	Dec. 18, 2017

1. CERTIFICATION

Equipment	:	Computer
Brand Name	:	ADVANTECH
Test Model	:	ARK-2250
Series Model	:	ARK-2250XXXXXXXXXXXXX, ARK2250XXXXXXXXXXXXX (where X may be any alphanumeric character , blank or "-".)
Applicant	:	Advantech Co., Ltd.
Manufacturer	:	Advantech Co., Ltd.
Address	:	No.1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei 11491, Taiwan, R.O.C.
Factory	:	N/A
Address	:	N/A
Date of Test	:	Sep. 10, 2017 ~ Dec. 13, 2017
Test Sample	:	Production Unit
Standard(s)	:	FCC Part15, Subpart E(15.407) / ANSI C63.10-2013

The above equipment has been tested and found in 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-4-1708012) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test result included in this report is only for the 5GHz RLAN part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)			
Standard(s) Section	Test Item	Judgment	Remark
15.207	AC Power Line Conducted Emissions	PASS	
15.407(a)	26dB Spectrum Bandwidth	PASS	
15.407(a)	Maximum Conducted Output Power	PASS	
15.407(a)	Power Spectral Density	PASS	
15.407(a)	Radiated Emissions	PASS	
15.407(b)	Band Edge Emissions	PASS	
15.407(g)	Frequency Stability	PASS	
15.203	Antenna Requirements	PASS	
15.407(c)	Automatically Discontinue Transmission	PASS	**NOTE (2)**

NOTE:

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

(2) During no any information transmission, the EUT can automatically discontinue transmission and becom standby mode for power saving.
The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

Conducted emission Test:

C05: (VCCI RN: C-4742; FCC RN:965108; FCC DN:TW1082)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

Radiated emission Test (Below 1 GHz):

CB15: (VCCI RN: R-20020; FCC RN:674415; FCC DN:TW0659; ISED Assigned Code:20088-5)
No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

Radiated emission Test (Above 1 GHz):

CB15: (VCCI RN: G-20031; FCC RN:674415; FCC DN:TW0659; ISED Assigned Code:20088-5)
No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted emission test:

Test Site	Method	Measurement Frequency Range	U,(dB)
C05	CISPR	150 kHz ~ 30MHz	2.68

B. Radiated emission test:

Test Site	Method	Measurement Frequency Range	U,(dB)
CB15 (3m)	CISPR	9kHz ~ 150kHz	2.82
		150kHz ~ 30MHz	2.58

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)
CB15 (3m)	CISPR	30MHz ~ 200MHz	V	4.20
		30MHz ~ 200MHz	H	3.64
		200MHz ~ 1,000MHz	V	4.56
		200MHz ~ 1,000MHz	H	3.90

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)
CB15 (3m)	CISPR	1GHz ~ 6GHz	V	4.46
		1GHz ~ 6GHz	H	4.40
		6GHz ~ 18GHz	V	3.88
		6GHz ~ 18GHz	H	4.00

Test Site	Method	Measurement Frequency Range	U,(dB)
CB15 (1m)	CISPR	18 ~ 26.5 GHz	4.62
		26.5 ~ 40 GHz	5.12

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above.
These are our U_{lab} values in CISPR 16-4-2 terminology.
Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called U_{CISPR}, as follows:

Conducted Disturbance (mains port) – 150 kHz – 30 MHz: 3.6 dB
Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz: 5.2 dB

It can be seen that our U_{lab} values are smaller than U_{CISPR}.
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	Computer	
Brand Name	ADVANTECH	
Test Model	ARK-2250	
Series Model	ARK-2250XXXXXXXXXXXXX, ARK2250XXXXXXXXXXXXX (where X may be any alphanumeric character , blank or "-".)	
Model Difference	The market distribution is different only.	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-2A: 5250-5350MHz UNII-2C: 5470-5725MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	866.7Mbps
Output Power	Output Power (Max.)for UNII-1 (2TX)	802.11a: 16.67dBm 802.11n (20M): 15.55dBm 802.11n (40M): 15.55dBm 802.11ac (80M): 13.68dBm
	Output Power (Max.)for UNII-2A (2TX)	802.11a: 16.37dBm 802.11n (20M): 15.29dBm 802.11n (40M): 15.18dBm 802.11ac (80M): 13.16dBm
	Output Power (Max.)for UNII-2C (2TX)	802.11a: 16.58dBm 802.11n (20M): 15.49dBm 802.11n (40M): 15.48dBm 802.11ac (80M): 13.53dBm
	Output Power (Max.)for UNII-3 (2TX)	802.11a: 16.52dBm 802.11n (20M): 15.44dBm 802.11n (40M): 15.30dBm 802.11ac (80M): 13.45dBm
Power Source	DC voltage supplied from DC Power Supply.	
Power Rating	EUT Rating: I/P: 12VDC, 5A	
Products Covered	N/A	

Note:

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

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

UNII-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

UNII-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
132	5660				
136	5680				
140	5700				

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				

3. Antenna Specification:

Ant.	Brand	Test Model	Antenna Type	Connector	Gain (dBi)
1	ADVANTECH	AN2450-92K01BRS	Dipole	SMA Male Reverse	5.01
2	ADVANTECH	AN2450-92K01BRS	Dipole	SMA Male Reverse	5.01

Note:

The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R) and employs Cyclic Delay Diversity (CDD).
In CDD mode,

For power spectral density:
Directional gain =
10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 8.02 dBi > 6dBi.
5180 MHz to 5240 MHz :
The reduced power spectral density limits (dBm/MHz) = 17 - (8.02-6) = 14.98
5260 MHz to 5320 MHz & 5500 MHz 至 5700 MHz :
The reduced power spectral density limits (dBm/MHz) = 11 - (8.02-6) = 8.98
5745 MHz to 5805 MHz :
The reduced power spectral density limits (dBm/MHz) = 30 - (8.02-6) = 27.98

For conducted power:
For N_{ANT} = 2 < 5,
Direction gain (dBi) = G_{ANT} + 0 = 5.01 + 0 = 5.01
The Direction gain is less than 6, so conducted power limits will not be reduced.

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

3.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC80 Mode / CH42 (UNII-1)
Mode 5	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 6	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 7	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 8	TX AC80 Mode / CH58 (UNII-2A)
Mode 9	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 10	TX N20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 11	TX N40 Mode / CH102, CH110, CH134 (UNII-2C)
Mode 12	TX AC80 Mode / CH106, CH122 (UNII-2C)
Mode 13	TX A Mode / CH149,CH157,CH161 (UNII-3)
Mode 14	TX N20 Mode / CH149,CH157,CH161 (UNII-3)
Mode 15	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 16	TX AC80 Mode / CH155 (UNII-3)
Mode 17	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 17	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 AC80 Mode / CH42 (UNII-1)
Mode 5	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 6	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 7	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 8	TX AC80 Mode / CH58 (UNII-2A)
Mode 9	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 10	TX N20 Mode / CH100, CH116, CH140 (UNII-2C)
Mode 11	TX N40 Mode / CH102, CH110, CH134 (UNII-2C)
Mode 12	TX AC80 Mode / CH106, CH122 (UNII-2C)
Mode 13	TX A Mode / CH149,CH157,CH161 (UNII-3)
Mode 14	TX N20 Mode / CH149,CH157,CH161 (UNII-3)
Mode 15	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 16	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 - 2TX			
Test Software Version	QRCT 3.0.161		
Frequency (MHz)	5180	5200	5240
A Mode	16	16	16
Frequency (MHz)	5180	5200	5240
N20 Mode	15	15	15
Frequency (MHz)	5190	5230	
N40 Mode	15	15	

UNII-2A - 2TX			
Test Software Version	QRCT 3.0.161		
Frequency (MHz)	5260	5300	5320
A Mode	16	16	16
Frequency (MHz)	5260	5300	5320
N20 Mode	15	15	15
Frequency (MHz)	5270	5310	
N40 Mode	15	15	

UNII-2C - 2TX			
Test Software Version	QRCT 3.0.161		
Frequency (MHz)	5500	5580	5700
A Mode	16	16	17
Frequency (MHz)	5500	5580	5700
N20 Mode	15	15	15
Frequency (MHz)	5510	5550	5670
N40 Mode	15	15	15

UNII-3 - 2TX			
Test Software Version	QRCT 3.0.161		
Frequency (MHz)	5745	5785	5805
A Mode	18	18	18
Frequency (MHz)	5745	5785	5805
N20 Mode	16	17	16
Frequency (MHz)	5755	5795	
N40 Mode	16	16	

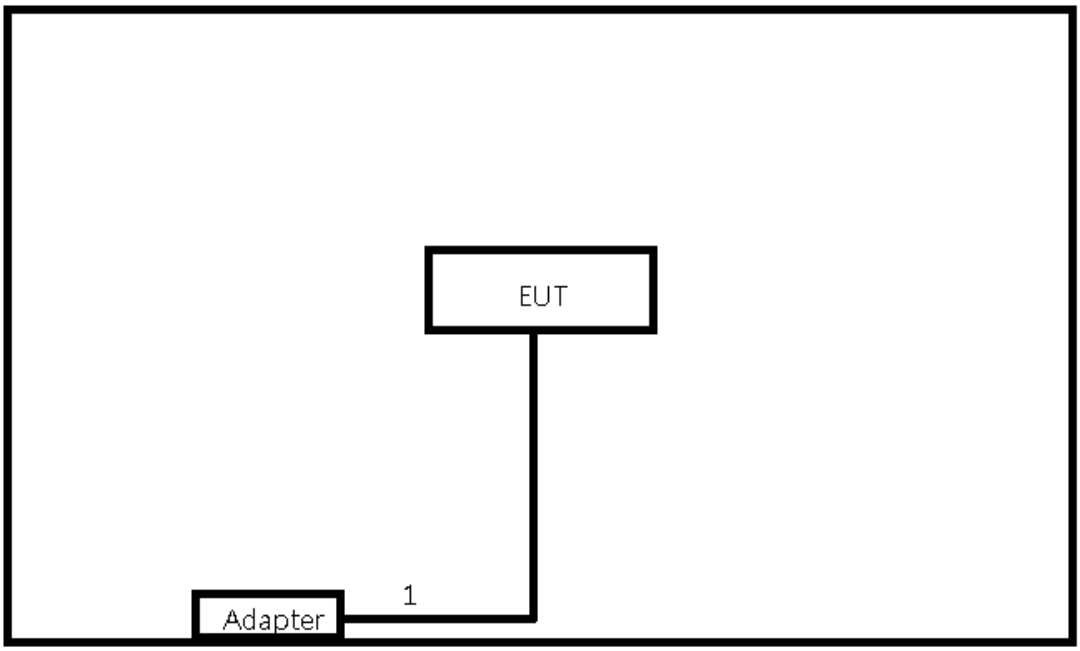
UNII-1 - 2TX			
Test Software Version	QRCT 3.0.161		
Frequency (MHz)	5210		
AC80 Mode	13		

UNII-2A - 2TX			
Test Software Version	QRCT 3.0.161		
Frequency (MHz)	5290		
AC80 Mode	13		

UNII-2C - 2TX			
Test Software Version	QRCT 3.0.161		
Frequency (MHz)	5530	5610	
AC80 Mode	13	13	

UNII-3 - 2TX			
Test Software Version	QRCT 3.0.161		
Frequency (MHz)	5775		
AC80 Mode	14		

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.
-	Adapter	FSP	FSP084-DIBAN2	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
1	YES	YES	0.5m	Power 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.

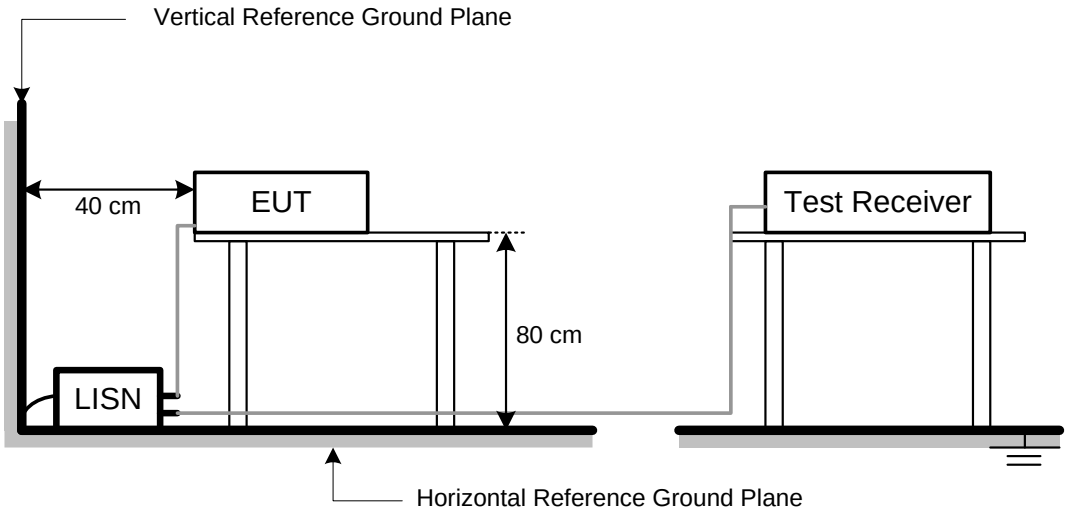
d. LISN at least 80 cm from nearest part of EUT chassis.

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: 55% 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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3
5250-5350	-27	68.3
5470-5725	-27	68.3
5725-5850	-27(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

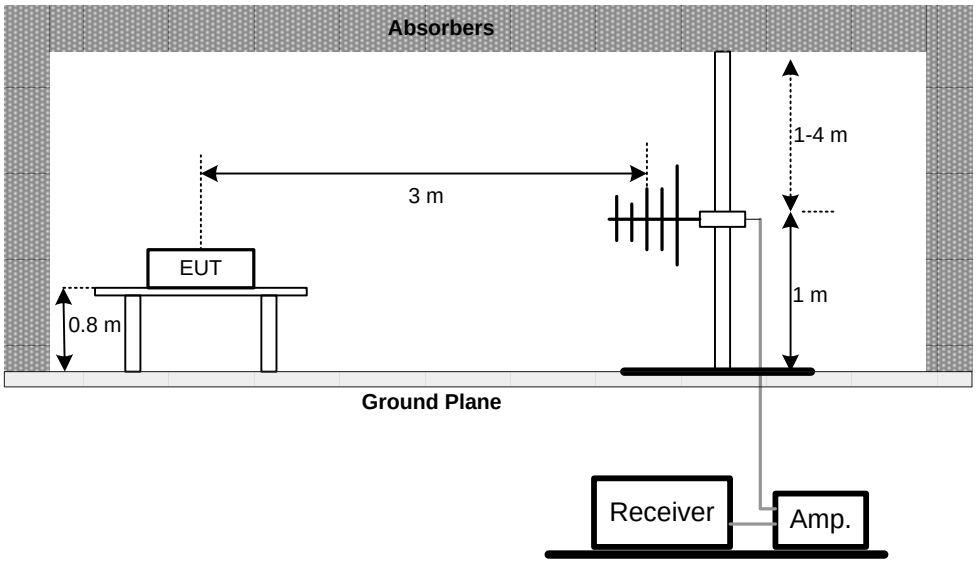
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

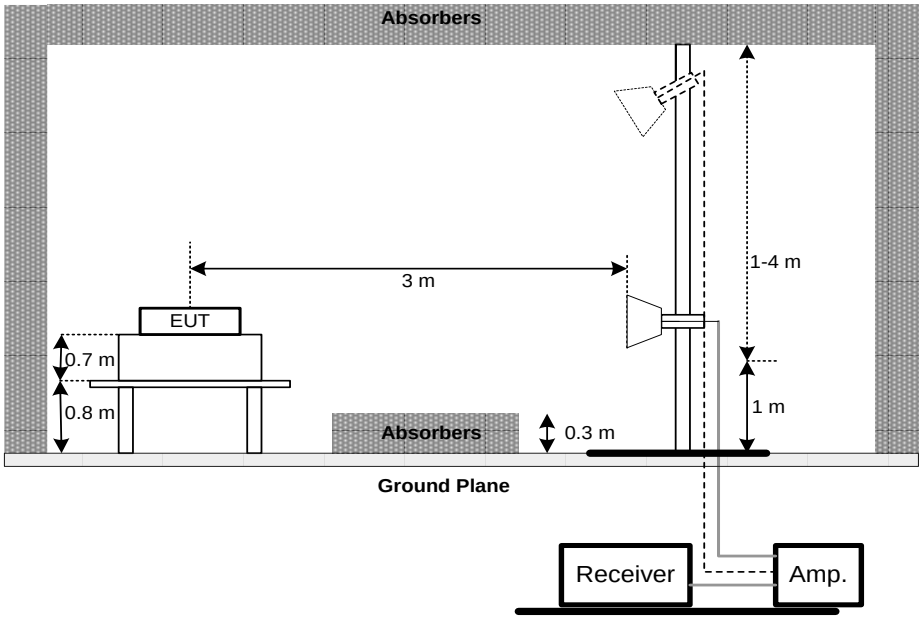
4.2.4 TEST SETUP

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

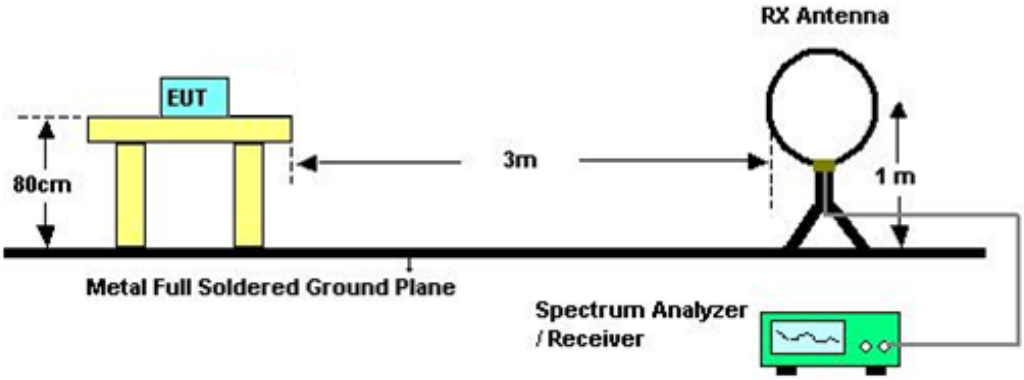


(B) Radiated Emission Test Set-Up Frequency Above 1 GHz

Band edge



(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: 23°C Relative Humidity: 70% 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
	26 dB Bandwidth	5250-5350	PASS
	26 dB Bandwidth	5470-5725	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.

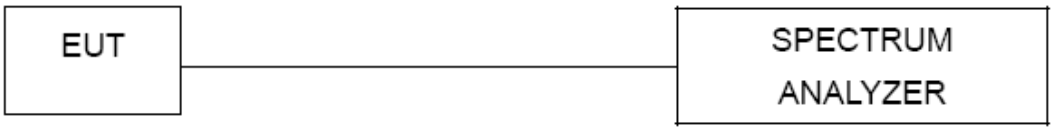
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz(Bandwidth 20MHz) 1MHz(Bandwidth 40MHz and 80MHz)
VBW	1MHz(Bandwidth 20MHz) 3MHz(Bandwidth 40MHz and 80MHz)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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: 23°C Relative Humidity: 70% 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
	250mW (24dBm)	5250-5350	PASS
	250mW (24dBm)	5470-5725	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: 23°C Relative Humidity: 70% 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
	11dBm/MHz	5250-5350	PASS
	11dBm/MHz	5470-5725	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

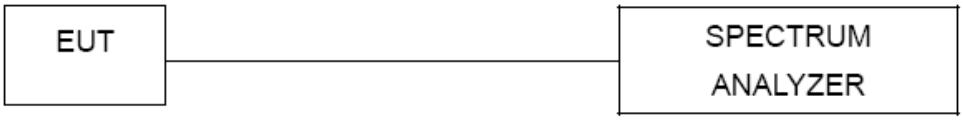
Note:

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: 23°C Relative Humidity: 70% 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
		5250-5350	PASS
		5470-5725	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

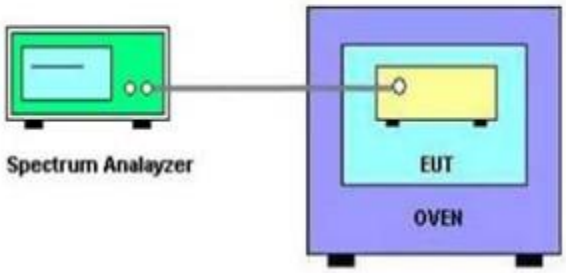
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is -20°C~50°C.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Appendix I.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TWO-LINE V-NETWORK	R&S	ENV216	101050	Jan. 25, 2018
2	Test Cable	TIMES	CFD300-NL	C02	Jun. 14, 2018
3	EMI Test Receiver	R&S	ESR7	101433	Dec. 09, 2017
4	Measurement Software	EZ	EZ_EMC (Version NB-03A)	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Preamplifier	EMCI	012645B	980267	Feb. 28, 2018
2	Preamplifier	EMCI	EMC02325	980217	Dec. 29, 2017
3	Preamplifier	EMCI	EMC2654045	980030	Feb. 14, 2018
4	Test Cable	EMCI	EMC104-SM-SM-8000	8m	Jan. 04, 2018
5	Test Cable	EMCI	EMC104-SM-SM-800	150207	Jan. 04, 2018
6	Test Cable	EMCI	EEMC104-SM-SM-3000	151205	Jan. 04, 2018
7	MXE EMI Receiver	Agilent	N9038A	MY55420127	Jan. 09, 2018
8	Signal Analyzer	Agilent	N9010A	MY52220990	Feb. 22, 2018
9	Loop Ant	EMCO	6502	42960	Nov. 24, 2017
10	Horm Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	Feb. 28, 2018
11	Horm Ant	Schwarzbeck	BBHA 9170	187	Dec. 07, 2017
12	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-548	Jan. 16, 2018
13	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0623	Jan. 16, 2018

Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	R&S/FSP30	100854	May 25, 2018

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2495A	1128008	Aug. 16, 2018
2	Power Sensor	Anritsu	MA2411B	1126001	Aug. 16, 2018

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	R&S/FSP30	100854	May 25, 2018

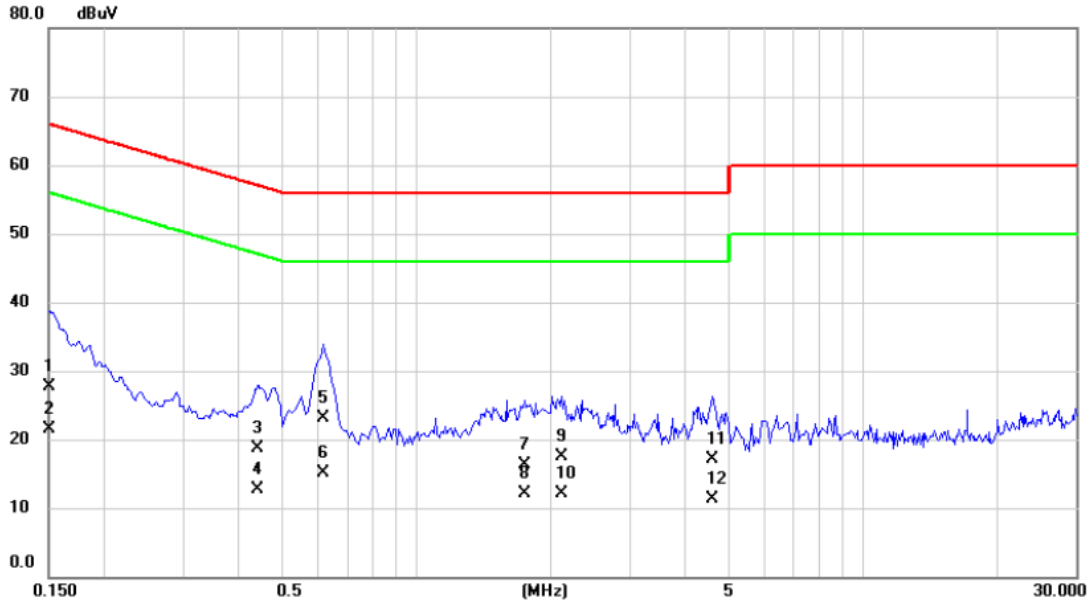
Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	R&S/FSP30	100854	May 25, 2018

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

APPENDIX A - CONDUCTED EMISSION

Test Mode:	UNII-1/TX Mode

Line

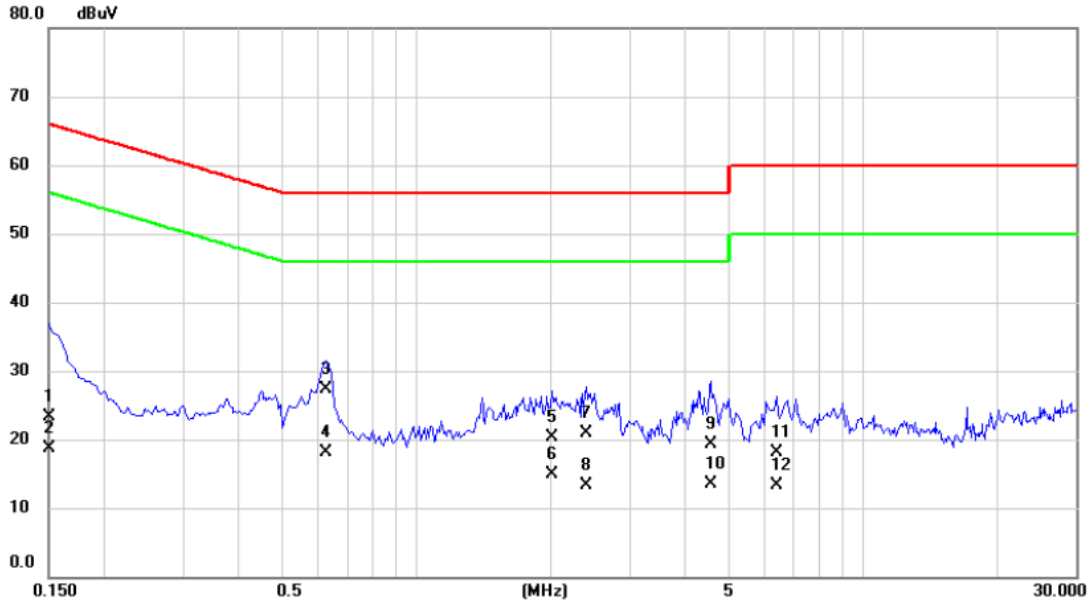


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	18.00	9.76	27.76	66.00	-38.24	QP	
2		0.1500	11.70	9.76	21.46	56.00	-34.54	AVG	
3		0.4412	9.00	9.75	18.75	57.04	-38.29	QP	
4		0.4412	3.00	9.75	12.75	47.04	-34.29	AVG	
5		0.6170	13.40	9.77	23.17	56.00	-32.83	QP	
6	*	0.6170	5.30	9.77	15.07	46.00	-30.93	AVG	
7		1.7510	6.50	9.83	16.33	56.00	-39.67	QP	
8		1.7510	2.30	9.83	12.13	46.00	-33.87	AVG	
9		2.1200	7.60	9.83	17.43	56.00	-38.57	QP	
10		2.1200	2.20	9.83	12.03	46.00	-33.97	AVG	
11		4.5860	7.20	9.87	17.07	56.00	-38.93	QP	
12		4.5860	1.50	9.87	11.37	46.00	-34.63	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-1/TX Mode

Neutral

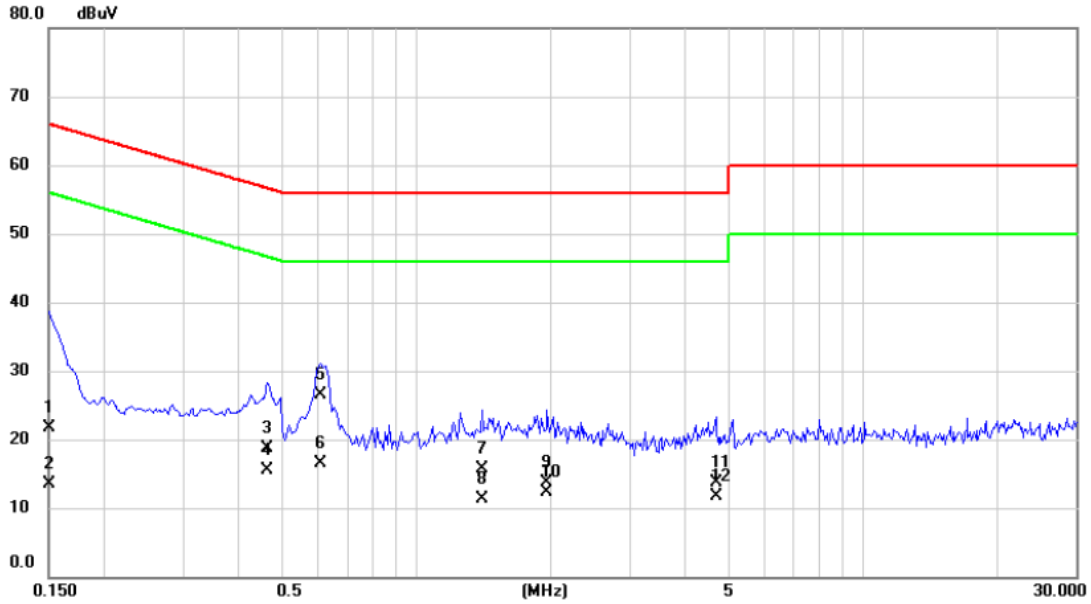


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	13.70	9.68	23.38	66.00	-42.62	QP	
2		0.1500	9.10	9.68	18.78	56.00	-37.22	AVG	
3		0.6260	17.50	9.71	27.21	56.00	-28.79	QP	
4	*	0.6260	8.30	9.71	18.01	46.00	-27.99	AVG	
5		2.0120	10.50	9.77	20.27	56.00	-35.73	QP	
6		2.0120	5.20	9.77	14.97	46.00	-31.03	AVG	
7		2.4080	11.10	9.78	20.88	56.00	-35.12	QP	
8		2.4080	3.50	9.78	13.28	46.00	-32.72	AVG	
9		4.5680	9.40	9.84	19.24	56.00	-36.76	QP	
10		4.5680	3.60	9.84	13.44	46.00	-32.56	AVG	
11		6.4000	8.20	9.88	18.08	60.00	-41.92	QP	
12		6.4000	3.50	9.88	13.38	50.00	-36.62	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-2A/TX Mode

Line

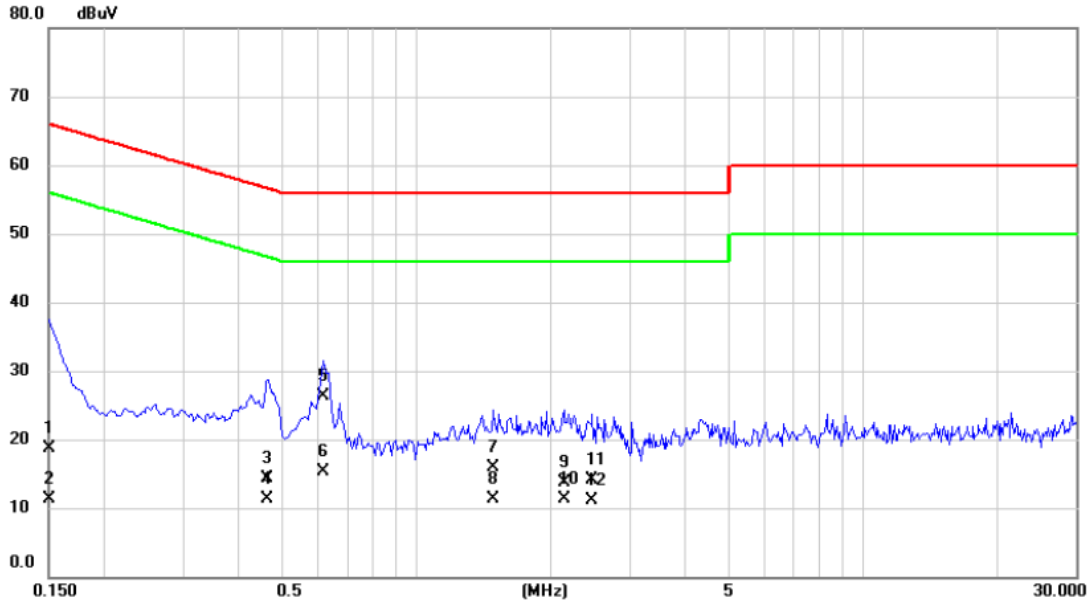


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	11.90	9.76	21.66	66.00	-44.34	QP	
2		0.1500	3.70	9.76	13.46	56.00	-42.54	AVG	
3		0.4643	8.90	9.76	18.66	56.62	-37.96	QP	
4		0.4643	5.80	9.76	15.56	46.62	-31.06	AVG	
5	*	0.6080	16.70	9.77	26.47	56.00	-29.53	QP	
6		0.6080	6.70	9.77	16.47	46.00	-29.53	AVG	
7		1.4000	5.90	9.81	15.71	56.00	-40.29	QP	
8		1.4000	1.40	9.81	11.21	46.00	-34.79	AVG	
9		1.9580	3.90	9.83	13.73	56.00	-42.27	QP	
10		1.9580	2.40	9.83	12.23	46.00	-33.77	AVG	
11		4.6850	3.80	9.87	13.67	56.00	-42.33	QP	
12		4.6850	1.80	9.87	11.67	46.00	-34.33	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-2A/TX Mode

Neutral

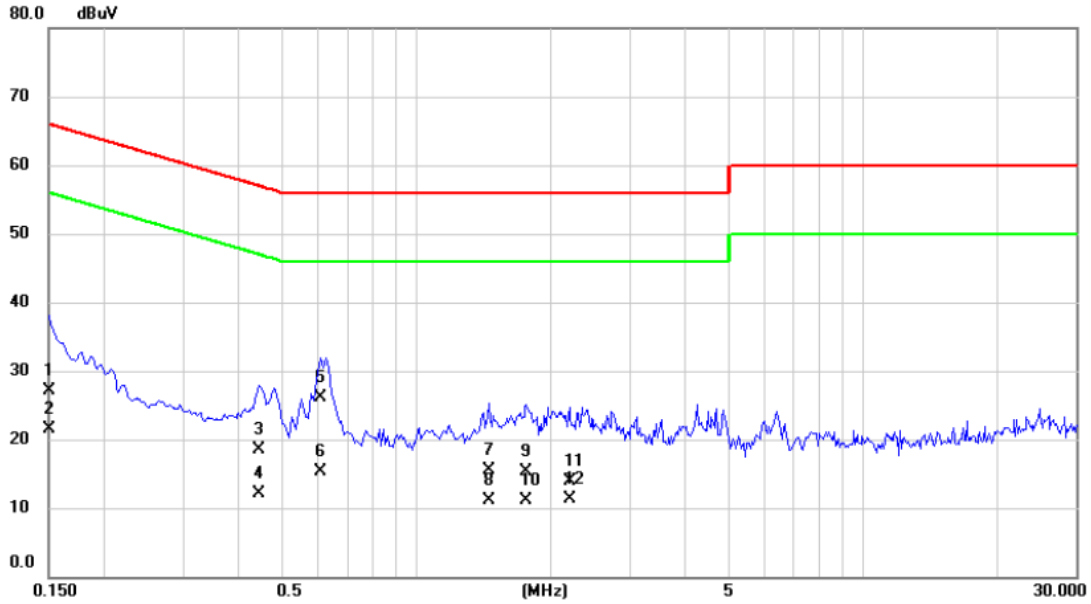


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	9.10	9.68	18.78	66.00	-47.22	QP	
2		0.1500	1.60	9.68	11.28	56.00	-44.72	AVG	
3		0.4643	4.60	9.70	14.30	56.62	-42.32	QP	
4		0.4643	1.70	9.70	11.40	46.62	-35.22	AVG	
5	*	0.6170	16.60	9.71	26.31	56.00	-29.69	QP	
6		0.6170	5.60	9.71	15.31	46.00	-30.69	AVG	
7		1.4900	6.20	9.75	15.95	56.00	-40.05	QP	
8		1.4900	1.60	9.75	11.35	46.00	-34.65	AVG	
9		2.1380	4.00	9.77	13.77	56.00	-42.23	QP	
10		2.1380	1.50	9.77	11.27	46.00	-34.73	AVG	
11		2.4710	4.40	9.78	14.18	56.00	-41.82	QP	
12		2.4710	1.30	9.78	11.08	46.00	-34.92	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-2C/TX Mode

Line

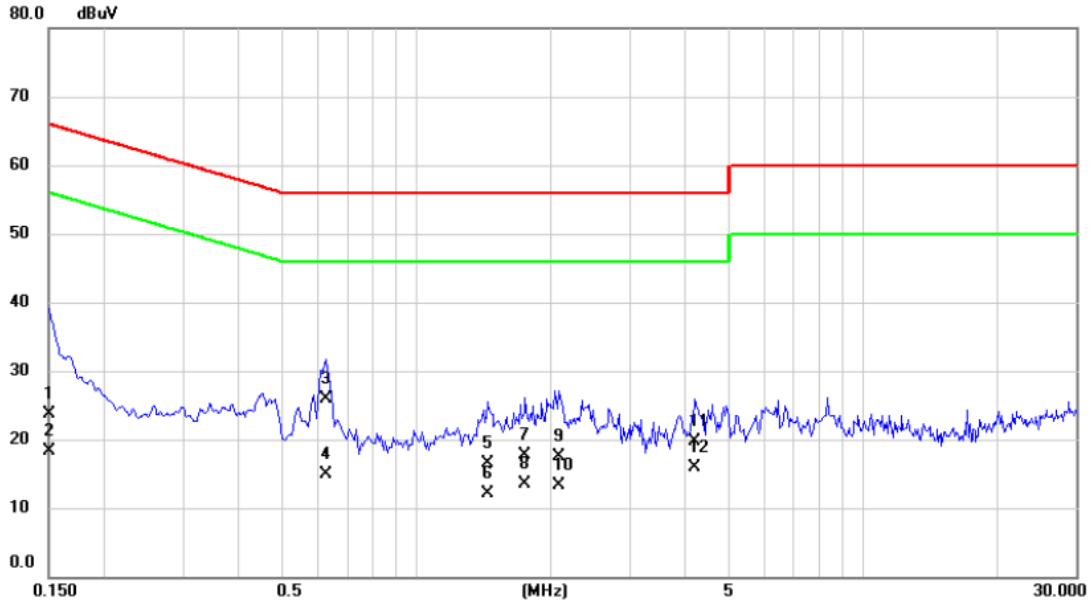


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	17.40	9.76	27.16	66.00	-38.84	QP	
2		0.1500	11.80	9.76	21.56	56.00	-34.44	AVG	
3		0.4433	8.70	9.75	18.45	57.00	-38.55	QP	
4		0.4433	2.40	9.75	12.15	47.00	-34.85	AVG	
5	*	0.6080	16.30	9.77	26.07	56.00	-29.93	QP	
6		0.6080	5.50	9.77	15.27	46.00	-30.73	AVG	
7		1.4540	5.60	9.81	15.41	56.00	-40.59	QP	
8		1.4540	1.20	9.81	11.01	46.00	-34.99	AVG	
9		1.7600	5.40	9.83	15.23	56.00	-40.77	QP	
10		1.7600	1.30	9.83	11.13	46.00	-34.87	AVG	
11		2.2010	4.10	9.83	13.93	56.00	-42.07	QP	
12		2.2010	1.40	9.83	11.23	46.00	-34.77	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-2C/TX Mode

Neutral

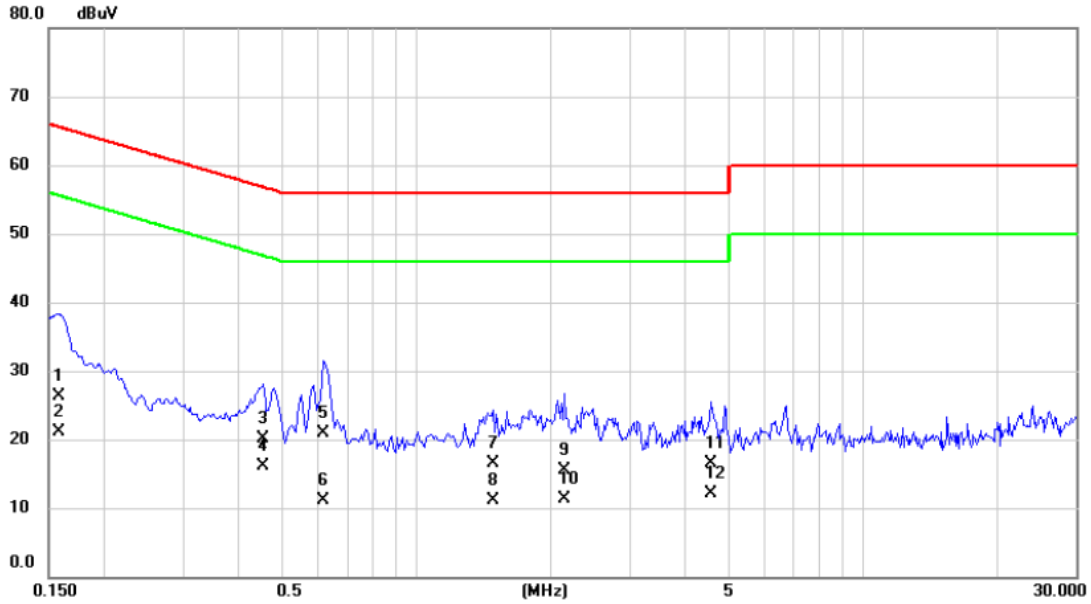


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	14.10	9.68	23.78	66.00	-42.22	QP	
2		0.1500	8.60	9.68	18.28	56.00	-37.72	AVG	
3		0.6260	16.10	9.71	25.81	56.00	-30.19	QP	
4		0.6260	5.20	9.71	14.91	46.00	-31.09	AVG	
5		1.4450	6.70	9.75	16.45	56.00	-39.55	QP	
6		1.4450	2.30	9.75	12.05	46.00	-33.95	AVG	
7		1.7510	8.00	9.77	17.77	56.00	-38.23	QP	
8		1.7510	3.70	9.77	13.47	46.00	-32.53	AVG	
9		2.0840	7.80	9.77	17.57	56.00	-38.43	QP	
10		2.0840	3.50	9.77	13.27	46.00	-32.73	AVG	
11		4.2080	9.90	9.83	19.73	56.00	-36.27	QP	
12	*	4.2080	6.00	9.83	15.83	46.00	-30.17	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-3/TX Mode

Line

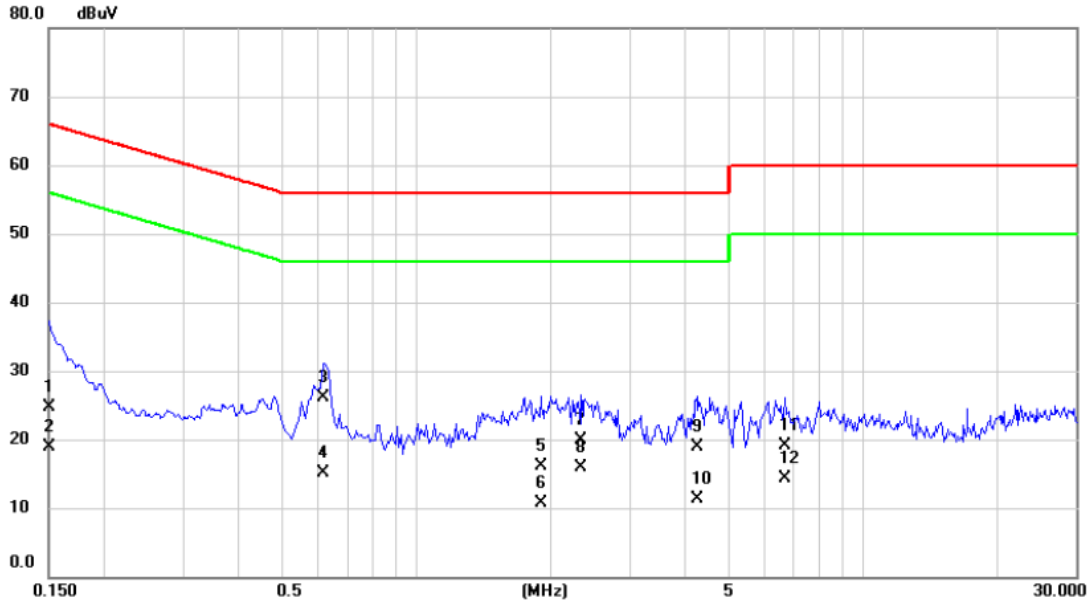


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1577	16.50	9.76	26.26	65.58	-39.32	QP	
2		0.1577	11.30	9.76	21.06	55.58	-34.52	AVG	
3		0.4538	10.40	9.76	20.16	56.81	-36.65	QP	
4	*	0.4538	6.40	9.76	16.16	46.81	-30.65	AVG	
5		0.6170	11.10	9.77	20.87	56.00	-35.13	QP	
6		0.6170	1.30	9.77	11.07	46.00	-34.93	AVG	
7		1.4810	6.70	9.81	16.51	56.00	-39.49	QP	
8		1.4810	1.30	9.81	11.11	46.00	-34.89	AVG	
9		2.1470	5.60	9.83	15.43	56.00	-40.57	QP	
10		2.1470	1.40	9.83	11.23	46.00	-34.77	AVG	
11		4.5500	6.70	9.87	16.57	56.00	-39.43	QP	
12		4.5500	2.20	9.87	12.07	46.00	-33.93	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-3/TX Mode

Neutral



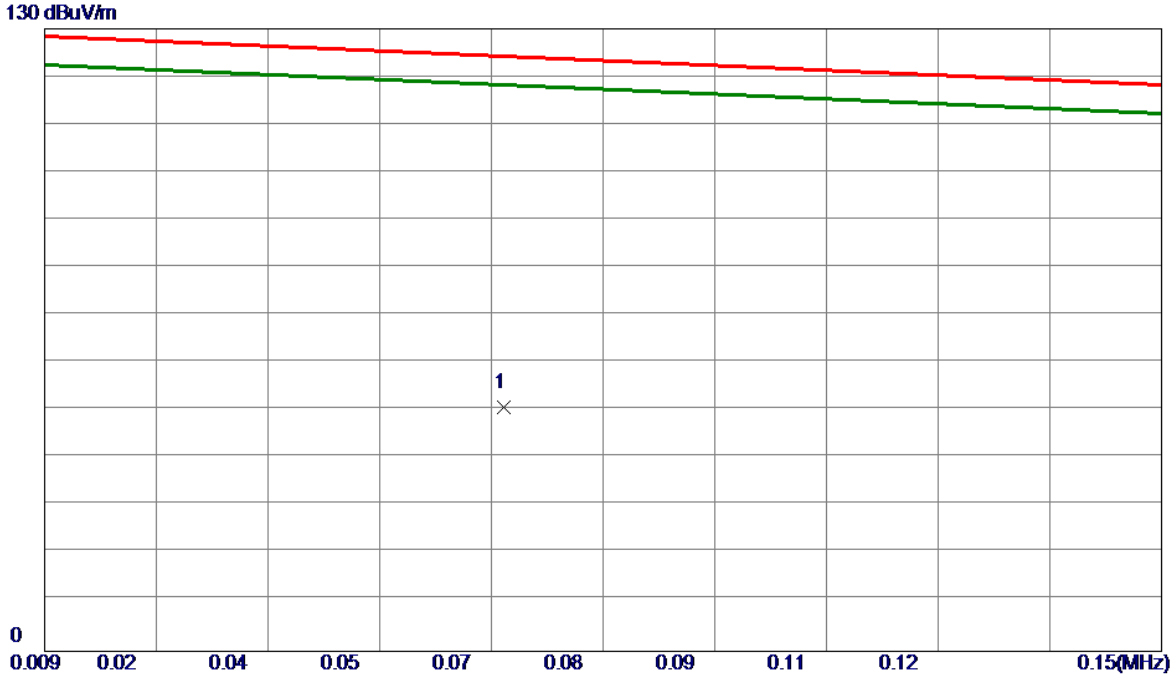
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	15.00	9.68	24.68	66.00	-41.32	QP	
2		0.1500	9.20	9.68	18.88	56.00	-37.12	AVG	
3	*	0.6170	16.30	9.71	26.01	56.00	-29.99	QP	
4		0.6170	5.40	9.71	15.11	46.00	-30.89	AVG	
5		1.8950	6.40	9.77	16.17	56.00	-39.83	QP	
6		1.8950	1.00	9.77	10.77	46.00	-35.23	AVG	
7		2.3360	10.10	9.78	19.88	56.00	-36.12	QP	
8		2.3360	6.10	9.78	15.88	46.00	-30.12	AVG	
9		4.2440	9.10	9.83	18.93	56.00	-37.07	QP	
10		4.2440	1.50	9.83	11.33	46.00	-34.67	AVG	
11		6.7000	9.20	9.90	19.10	60.00	-40.90	QP	
12		6.7000	4.40	9.90	14.30	50.00	-35.70	AVG	

Note：The test result has included the cable loss.

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

Test Mode:	TX MODE

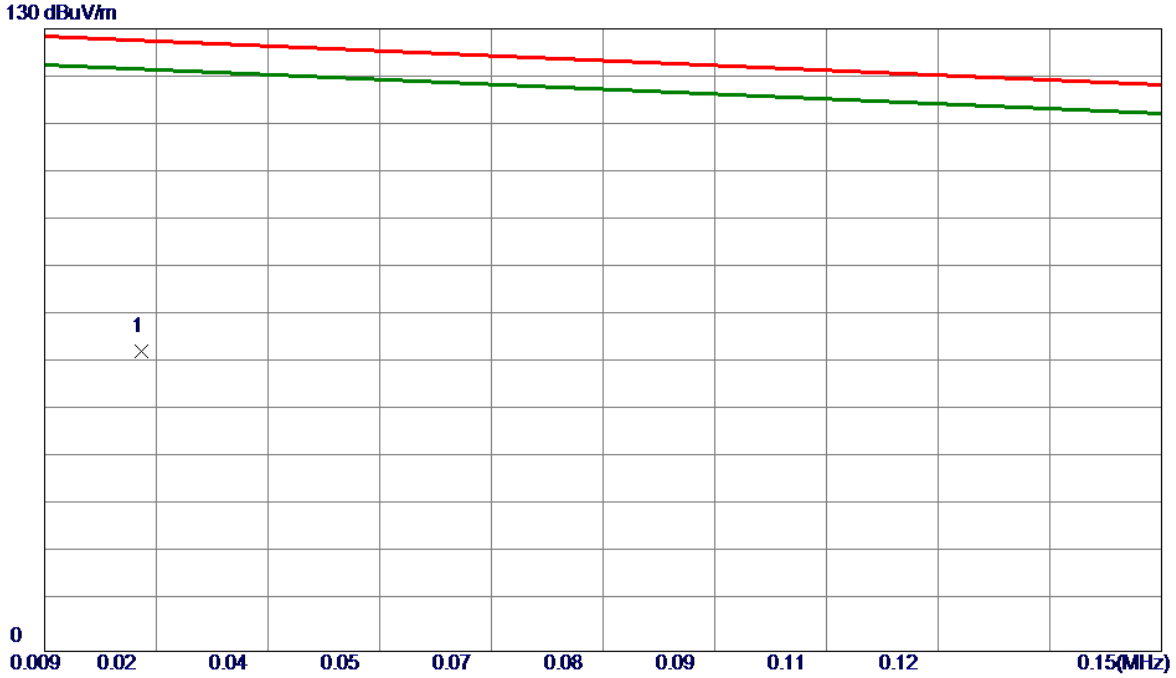
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0670	38.25	12.69	50.94	124.33	-73.39	Peak	

Test Mode:	TX MODE

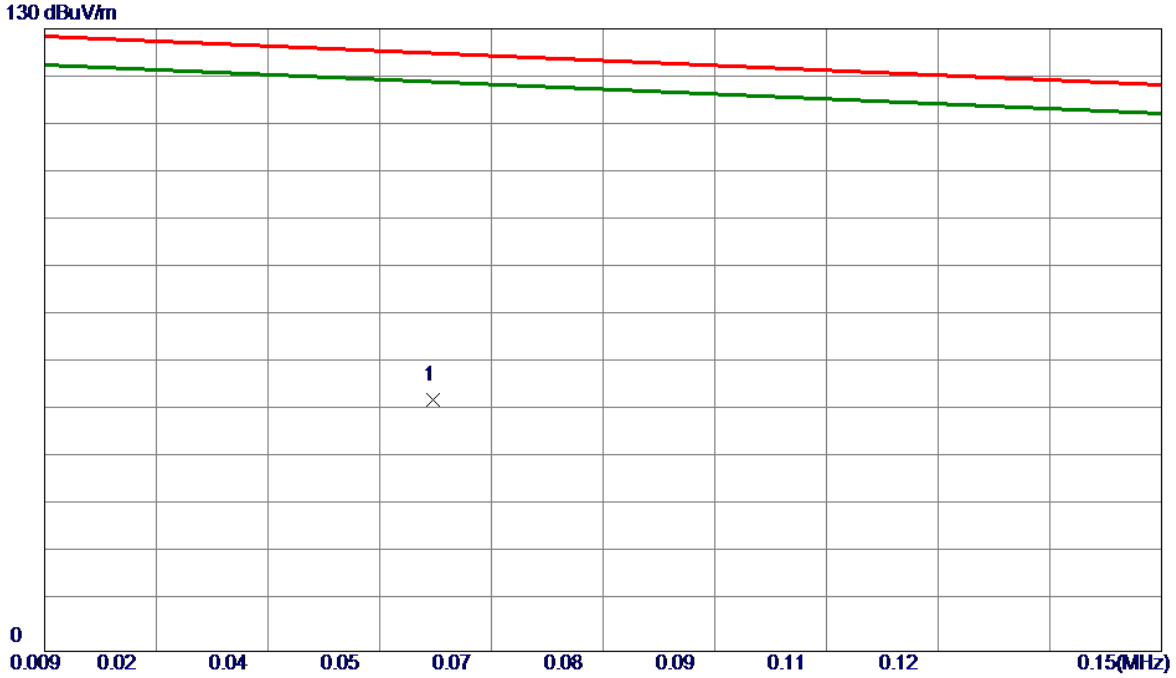
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0212	45.18	17.40	62.58	127.63	-65.05	Peak	

Test Mode:	TX MODE

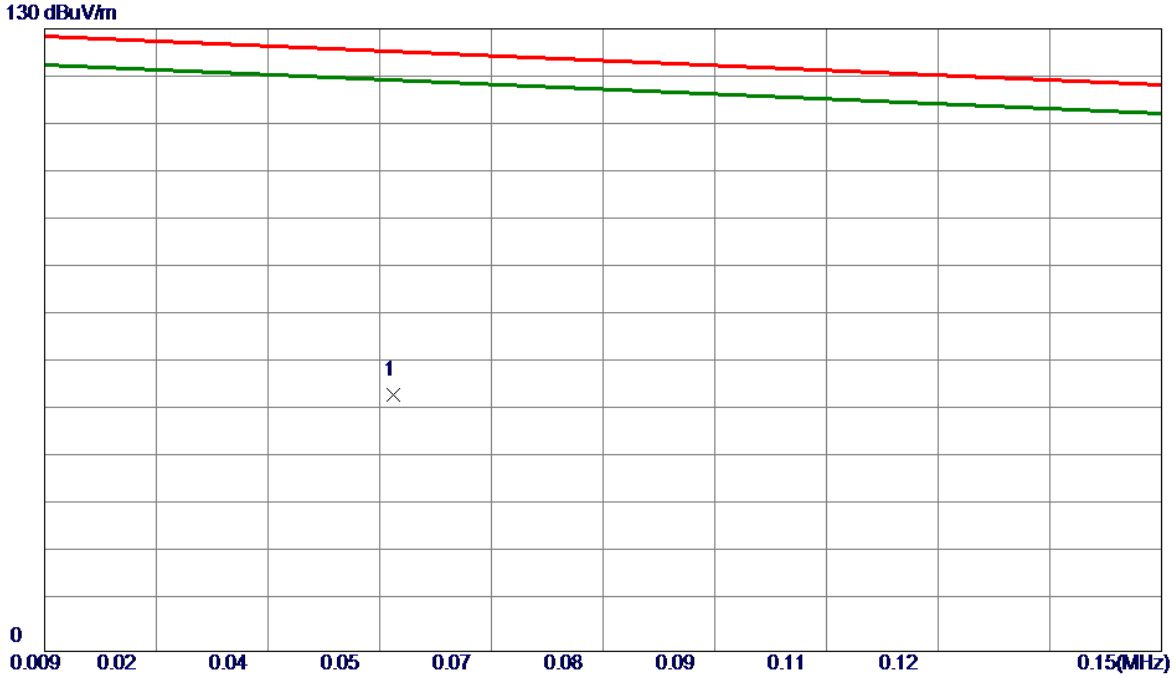
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0580	39.60	12.86	52.46	124.98	-72.52	Peak	

Test Mode:	TX MODE

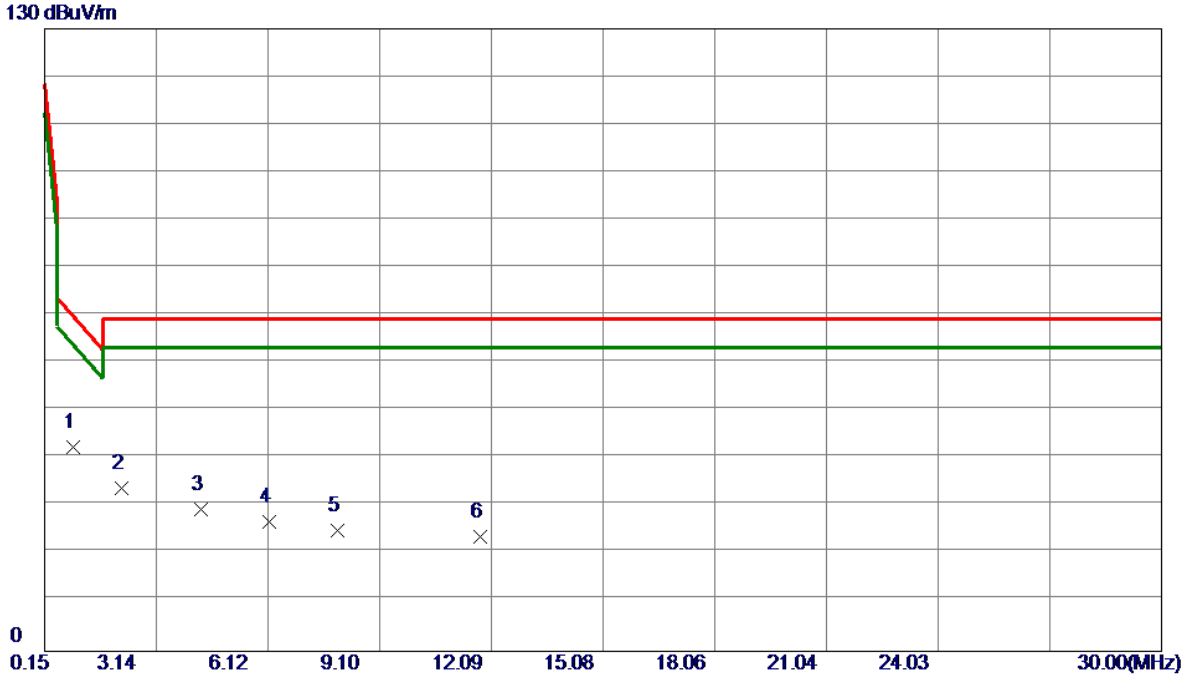
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0530	40.57	12.95	53.52	125.34	-71.82	Peak	

Test Mode:	TX MODE

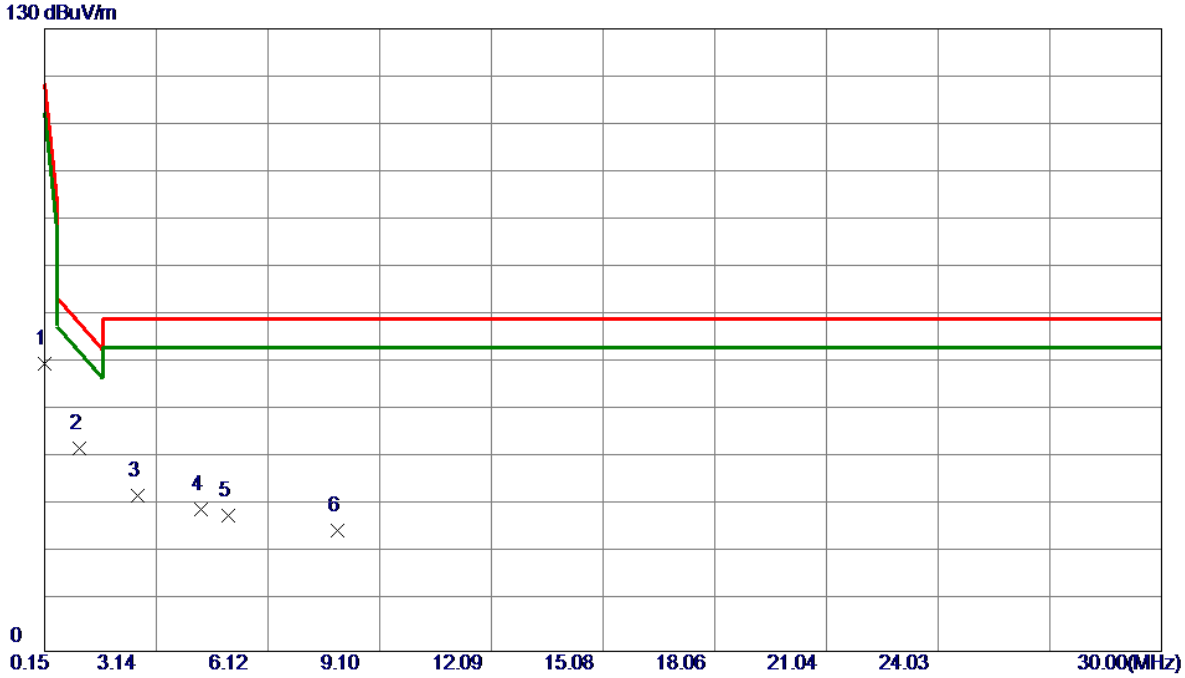
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.9261	30.79	11.97	42.76	69.91	-27.15	Peak	
2	2.2096	22.66	11.46	34.12	69.54	-35.42	Peak	
3	4.3290	18.38	11.30	29.68	69.54	-39.86	Peak	
4	6.1497	15.55	11.38	26.93	69.54	-42.61	Peak	
5	7.9706	13.82	11.34	25.16	69.54	-44.38	Peak	
6	11.7911	12.65	11.25	23.90	69.54	-45.64	Peak	

Test Mode:	TX MODE

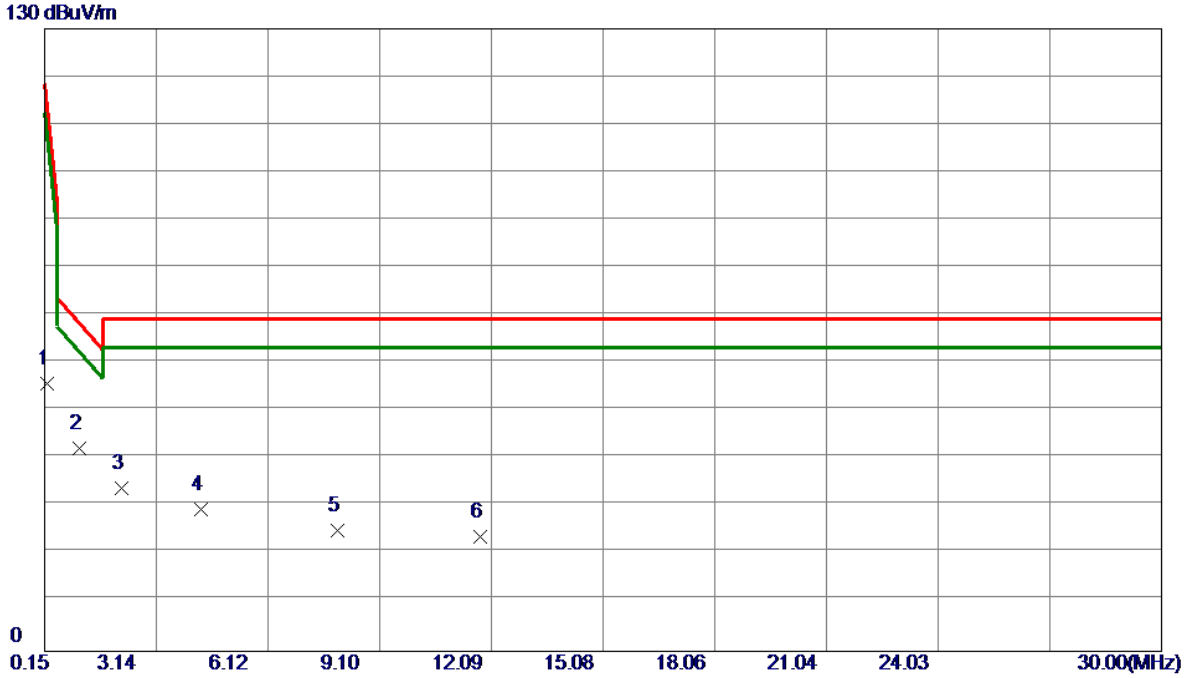
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.1500	47.94	12.02	59.96	118.33	-58.37	Peak	
2 *	1.0750	30.36	11.97	42.33	68.58	-26.25	Peak	
3	2.6274	21.29	11.27	32.56	69.54	-36.98	Peak	
4	4.3290	18.38	11.30	29.68	69.54	-39.86	Peak	
5	5.0750	16.98	11.40	28.38	69.54	-41.16	Peak	
6	7.9706	13.82	11.34	25.16	69.54	-44.38	Peak	

Test Mode:	TX MODE

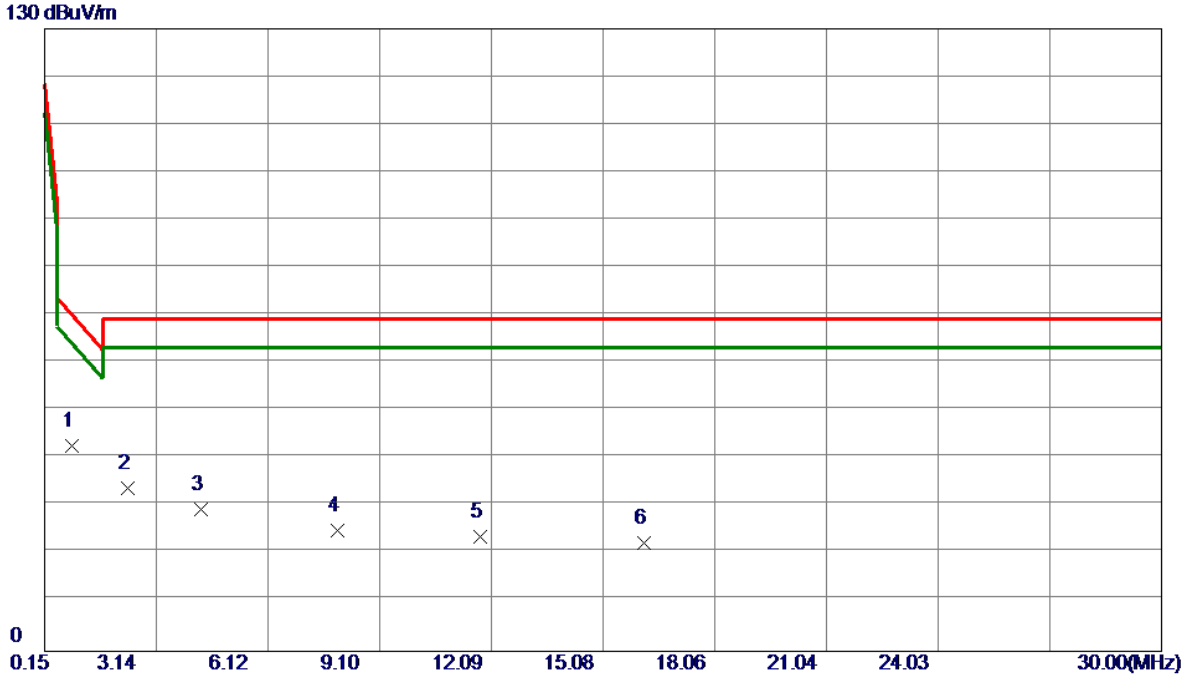
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.2096	43.96	11.94	55.90	114.03	-58.13	Peak	
2 *	1.0750	30.36	11.97	42.33	68.58	-26.25	Peak	
3	2.2096	22.66	11.46	34.12	69.54	-35.42	Peak	
4	4.3290	18.38	11.30	29.68	69.54	-39.86	Peak	
5	7.9706	13.82	11.34	25.16	69.54	-44.38	Peak	
6	11.7911	12.65	11.25	23.90	69.54	-45.64	Peak	

Test Mode:	TX MODE

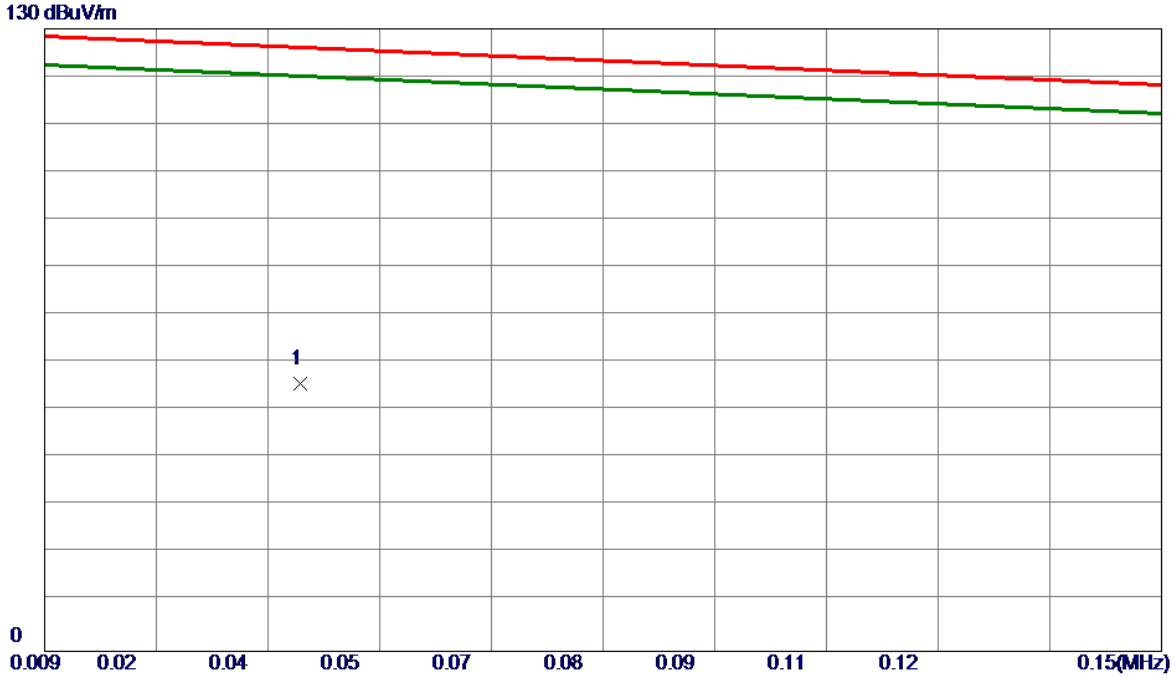
Ant 0°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.8660	30.84	11.95	42.79	70.45	-27.66	Peak	
2	2.3887	22.56	11.38	33.94	69.54	-35.60	Peak	
3	4.3290	18.38	11.30	29.68	69.54	-39.86	Peak	
4	7.9706	13.82	11.34	25.16	69.54	-44.38	Peak	
5	11.7911	12.65	11.25	23.90	69.54	-45.64	Peak	
6	16.1794	11.63	11.11	22.74	69.54	-46.80	Peak	

Test Mode:	TX MODE

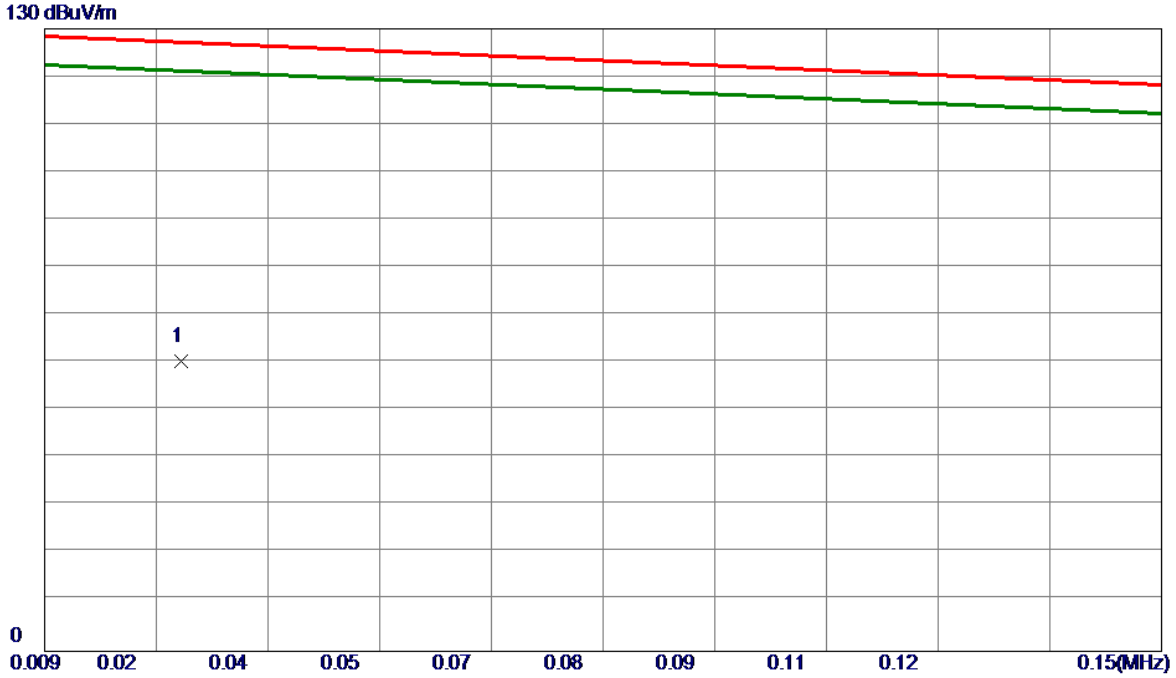
Ant 90°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0413	42.09	13.87	55.96	126.18	-70.22	Peak	

Test Mode:	TX MODE

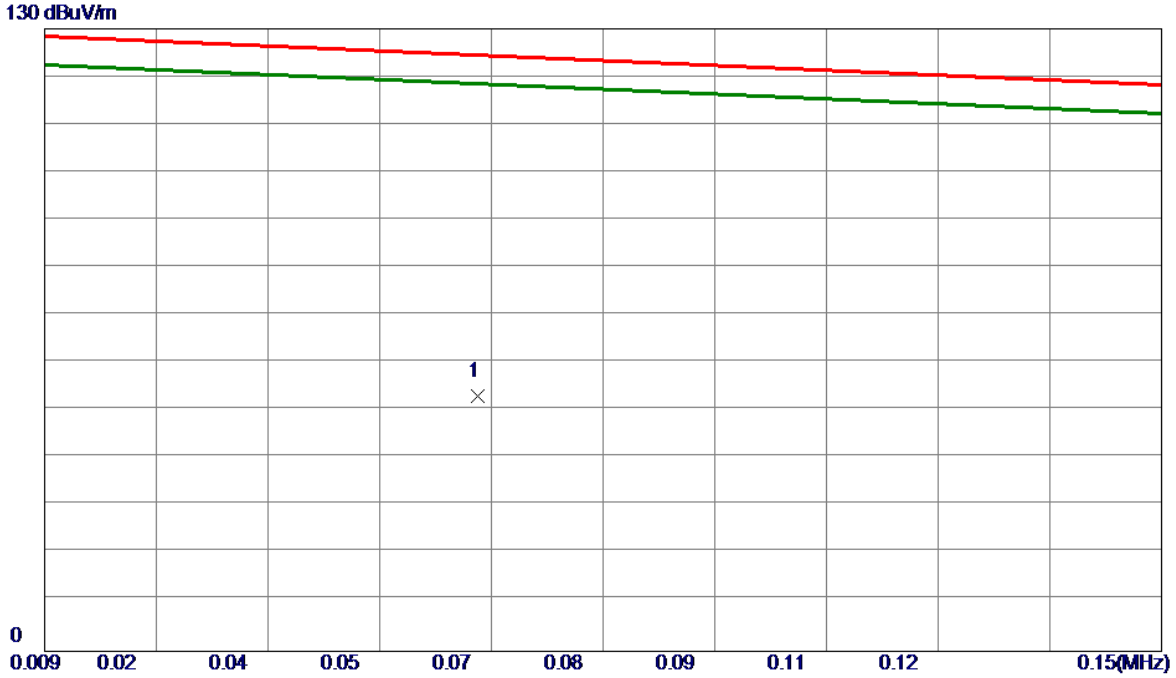
Ant 90°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0262	44.46	16.02	60.48	127.27	-66.79	Peak	

Test Mode:	TX MODE

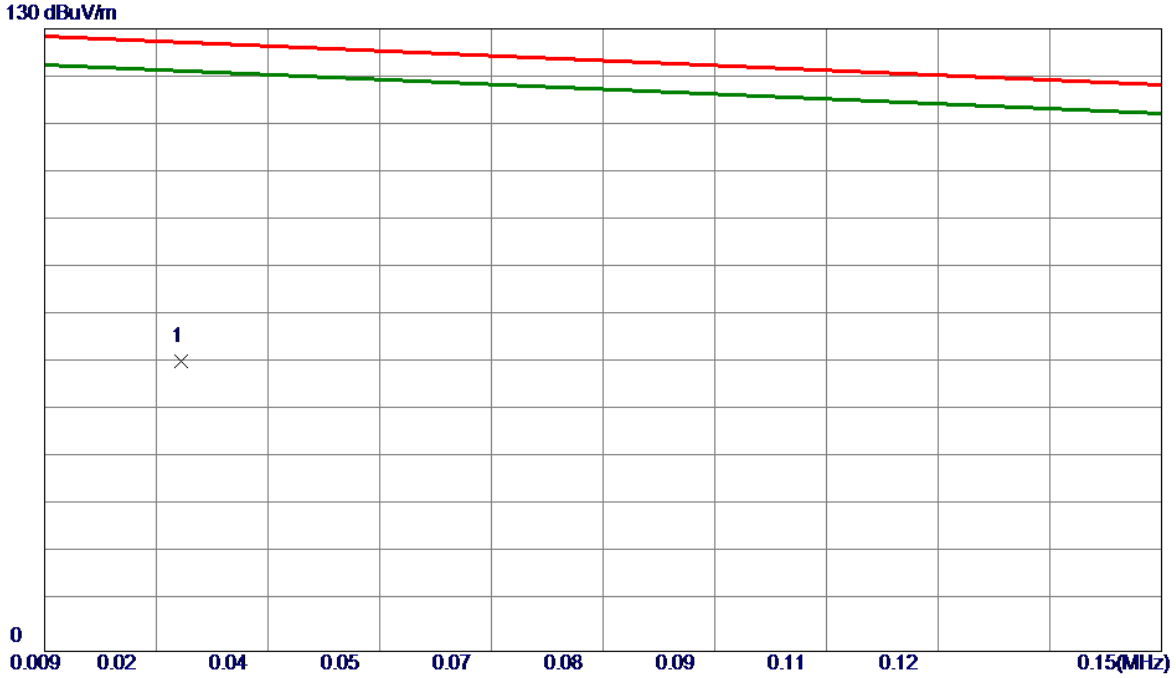
Ant 90°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0637	40.61	12.75	53.36	124.56	-71.20	Peak	

Test Mode:	TX MODE

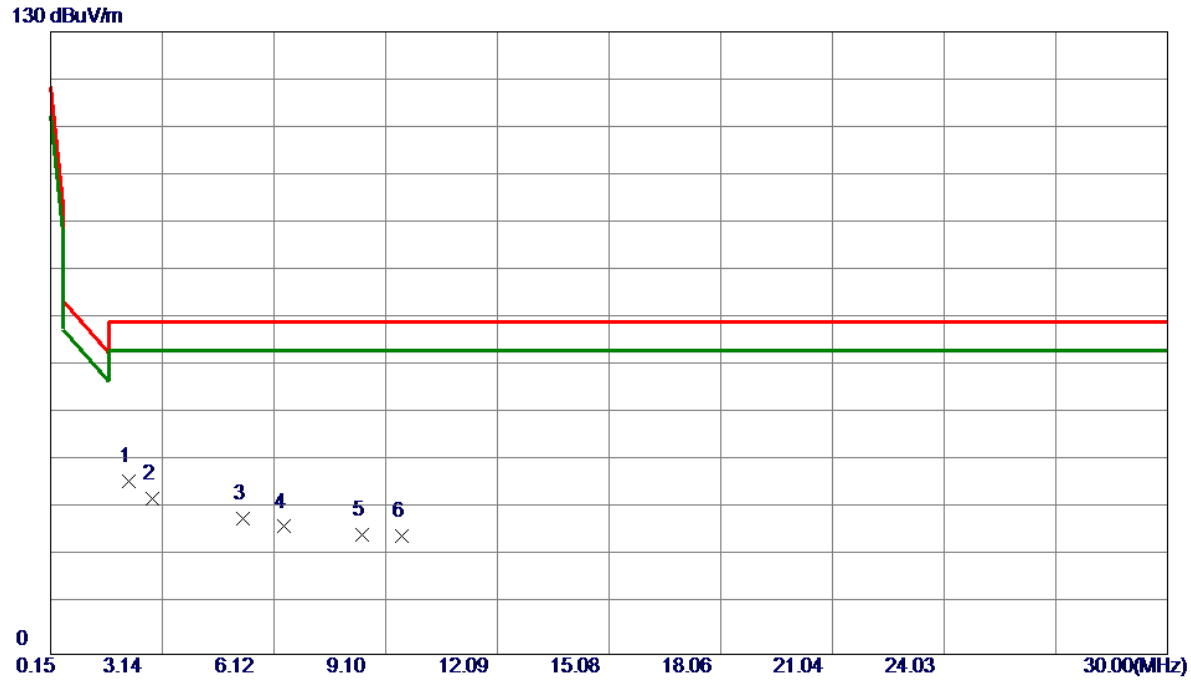
Ant 90°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0262	44.46	16.02	60.48	127.27	-66.79	Peak	

Test Mode:	TX MODE

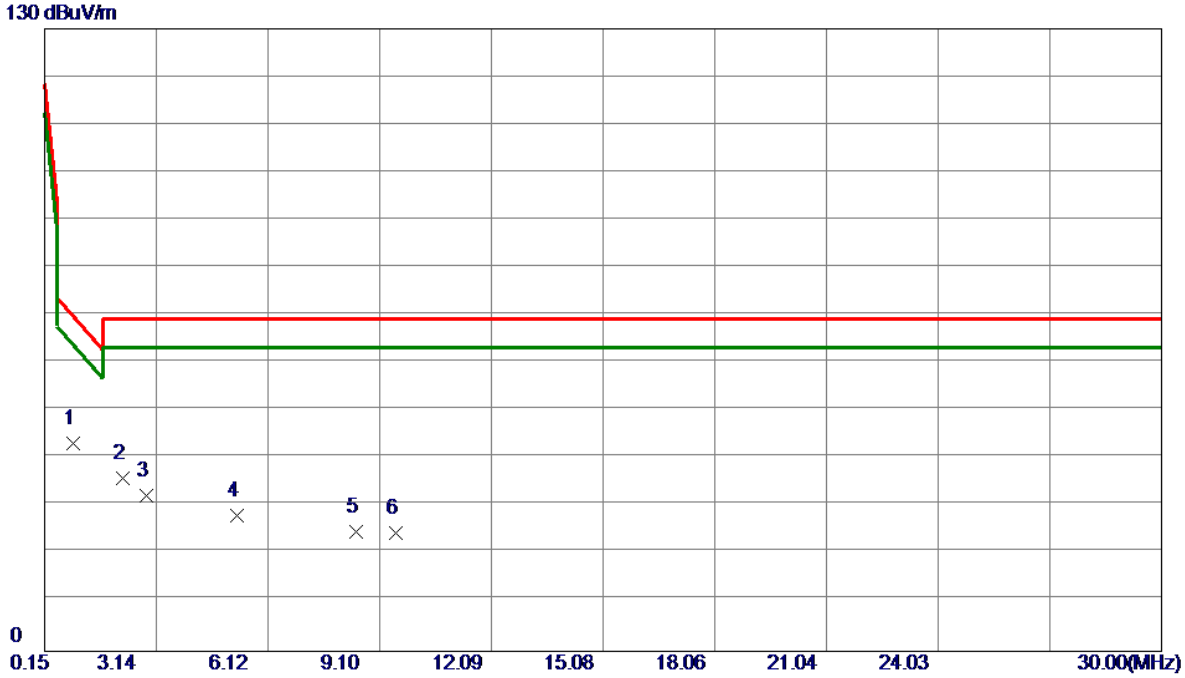
Ant 90°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2.2395	24.62	11.44	36.06	69.54	-33.48	Peak	
2	2.8664	21.25	11.16	32.41	69.54	-37.13	Peak	
3	5.2842	16.97	11.39	28.36	69.54	-41.18	Peak	
4	6.3887	15.28	11.37	26.65	69.54	-42.89	Peak	
5	8.4780	13.54	11.33	24.87	69.54	-44.67	Peak	
6	9.5228	13.44	11.31	24.75	69.54	-44.79	Peak	

Test Mode:	TX MODE

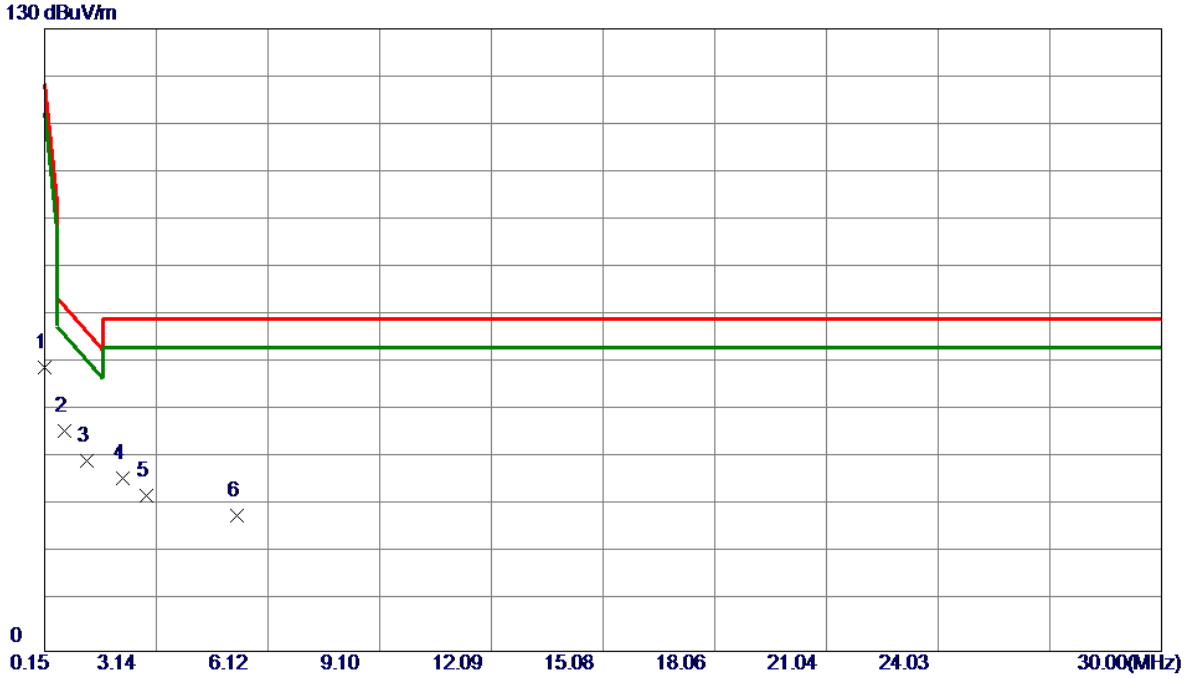
Ant 90°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.9261	31.48	11.97	43.45	69.91	-26.46	Peak	
2	2.2395	24.62	11.44	36.06	69.54	-33.48	Peak	
3	2.8664	21.25	11.16	32.41	69.54	-37.13	Peak	
4	5.2842	16.97	11.39	28.36	69.54	-41.18	Peak	
5	8.4780	13.54	11.33	24.87	69.54	-44.67	Peak	
6	9.5228	13.44	11.31	24.75	69.54	-44.79	Peak	

Test Mode:	TX MODE

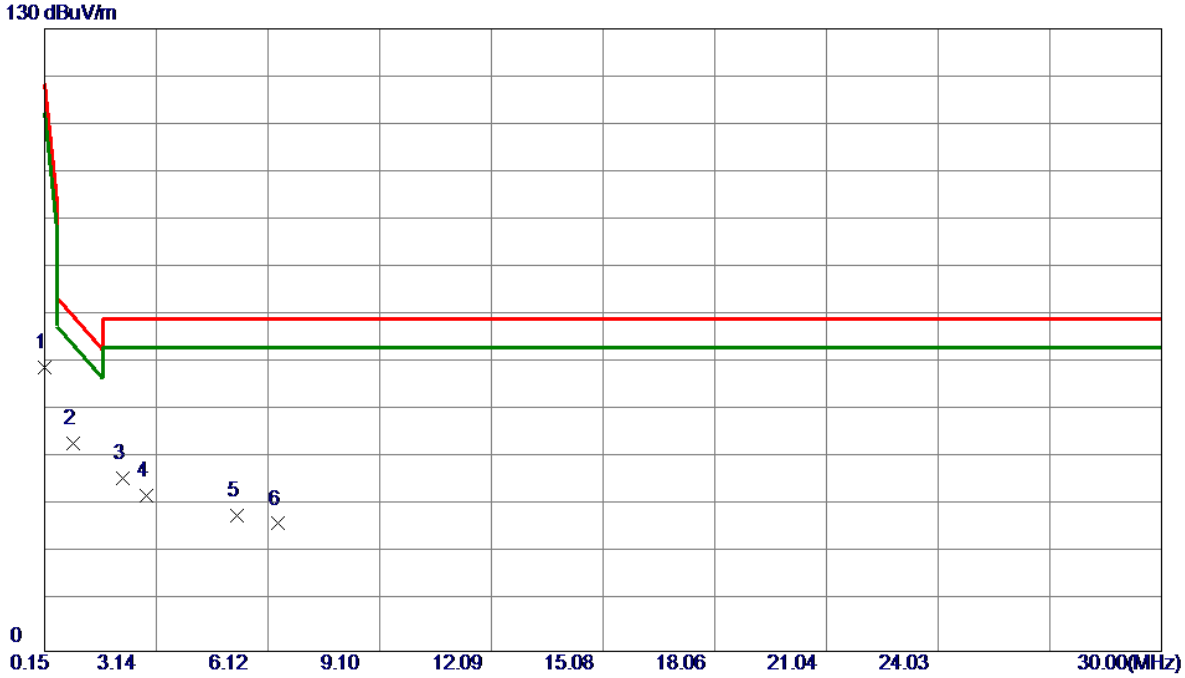
Ant 90°



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.1500	47.17	12.02	59.19	118.33	-59.14	Peak	
2 *	0.6873	34.17	11.87	46.04	72.04	-26.00	Peak	
3	1.2842	27.98	11.87	39.85	66.72	-26.87	Peak	
4	2.2395	24.62	11.44	36.06	69.54	-33.48	Peak	
5	2.8664	21.25	11.16	32.41	69.54	-37.13	Peak	
6	5.2842	16.97	11.39	28.36	69.54	-41.18	Peak	

Test Mode:	TX MODE

Ant 90°

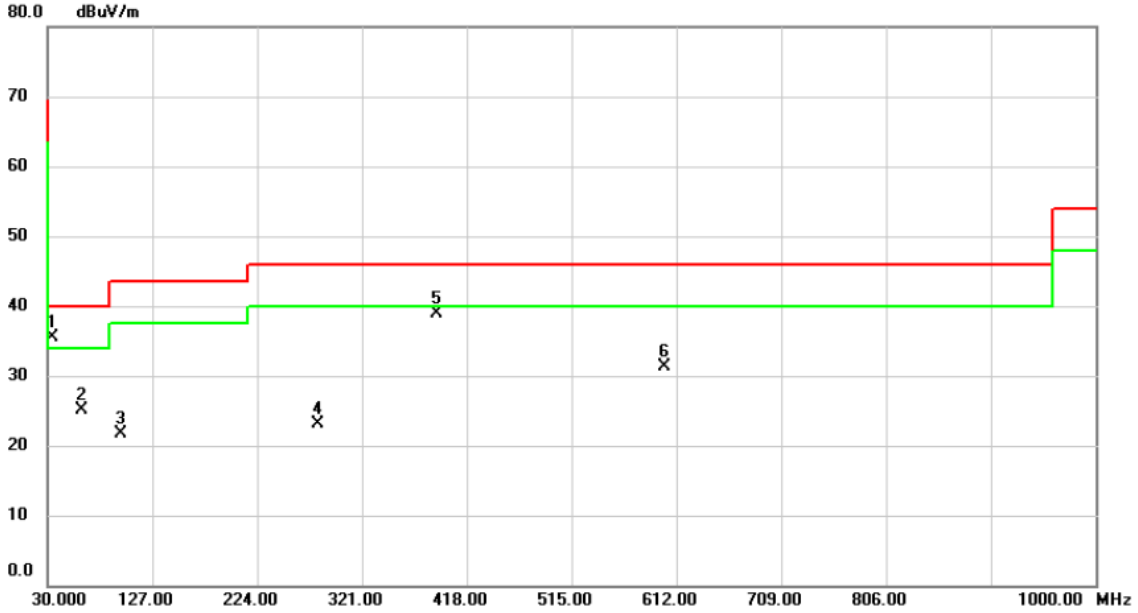


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.1500	47.17	12.02	59.19	118.33	-59.14	Peak	
2 *	0.9261	31.48	11.97	43.45	69.91	-26.46	Peak	
3	2.2395	24.62	11.44	36.06	69.54	-33.48	Peak	
4	2.8664	21.25	11.16	32.41	69.54	-37.13	Peak	
5	5.2842	16.97	11.39	28.36	69.54	-41.18	Peak	
6	6.3887	15.28	11.37	26.65	69.54	-42.89	Peak	

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

Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

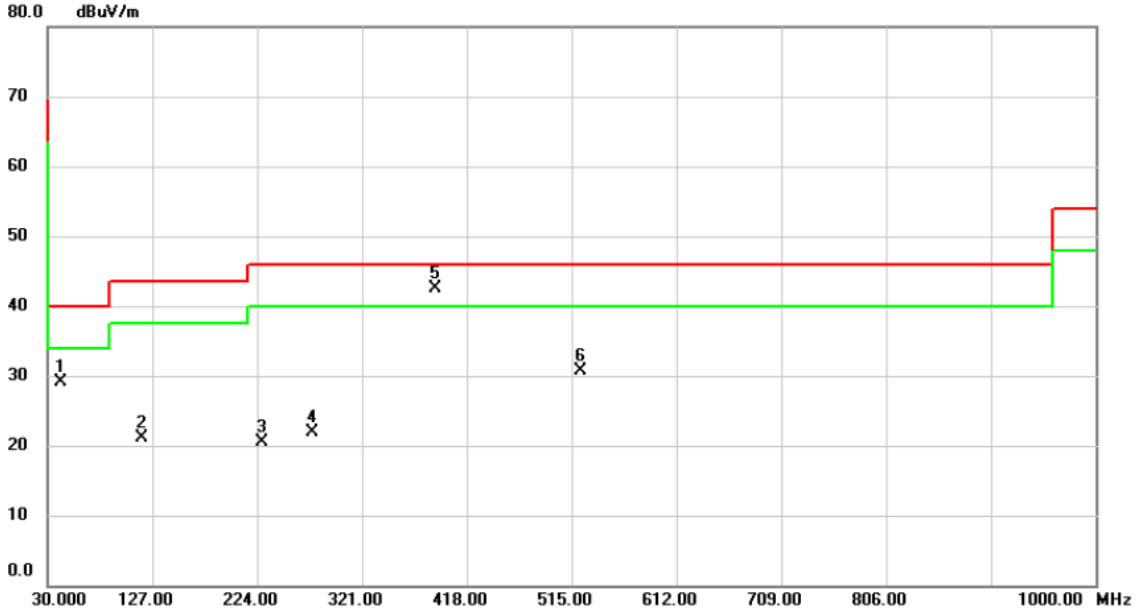
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	34.8500	44.30	-8.81	35.49	40.00	-4.51	peak	
2		62.0100	34.05	-8.91	25.14	40.00	-14.86	peak	
3		97.9000	34.33	-12.57	21.76	43.50	-21.74	peak	
4		280.2600	31.08	-8.02	23.06	46.00	-22.94	peak	
5		389.8700	44.13	-5.20	38.93	46.00	-7.07	peak	
6		600.3600	31.79	-0.42	31.37	46.00	-14.63	peak	

Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

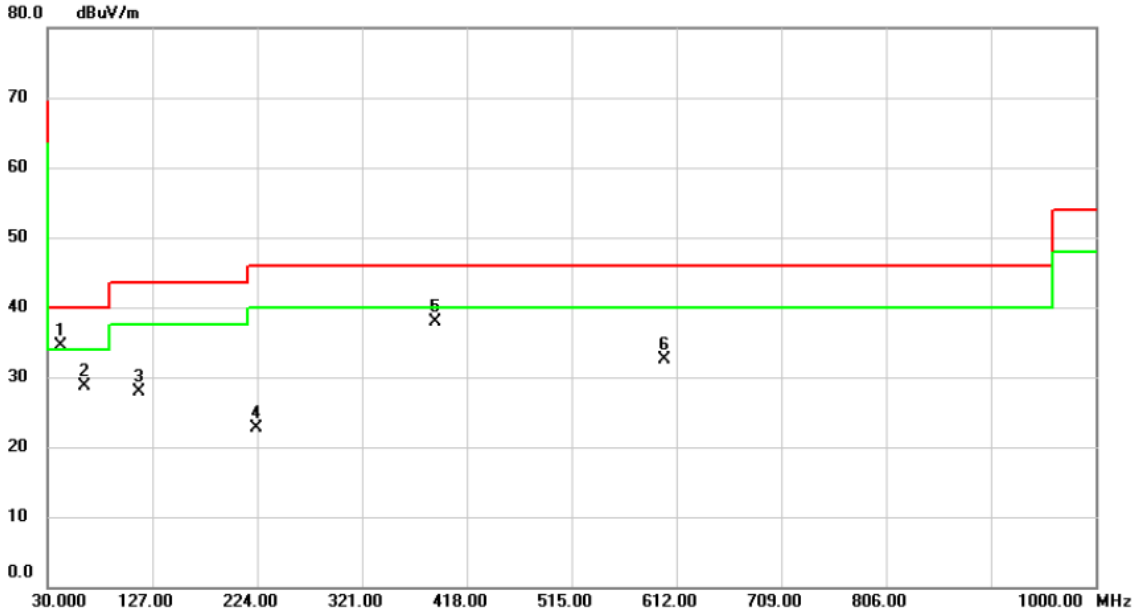
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		41.6400	37.71	-8.53	29.18	40.00	-10.82	peak	
2		117.3000	31.40	-10.33	21.07	43.50	-22.43	peak	
3		228.8500	30.77	-10.19	20.58	46.00	-25.42	peak	
4		274.4400	30.13	-8.25	21.88	46.00	-24.12	peak	
5	*	388.9000	47.82	-5.23	42.59	46.00	-3.41	peak	
6		523.7300	32.99	-2.25	30.74	46.00	-15.26	peak	

Test Mode:	UNII-2A/ TX N40 Mode 5310MHz

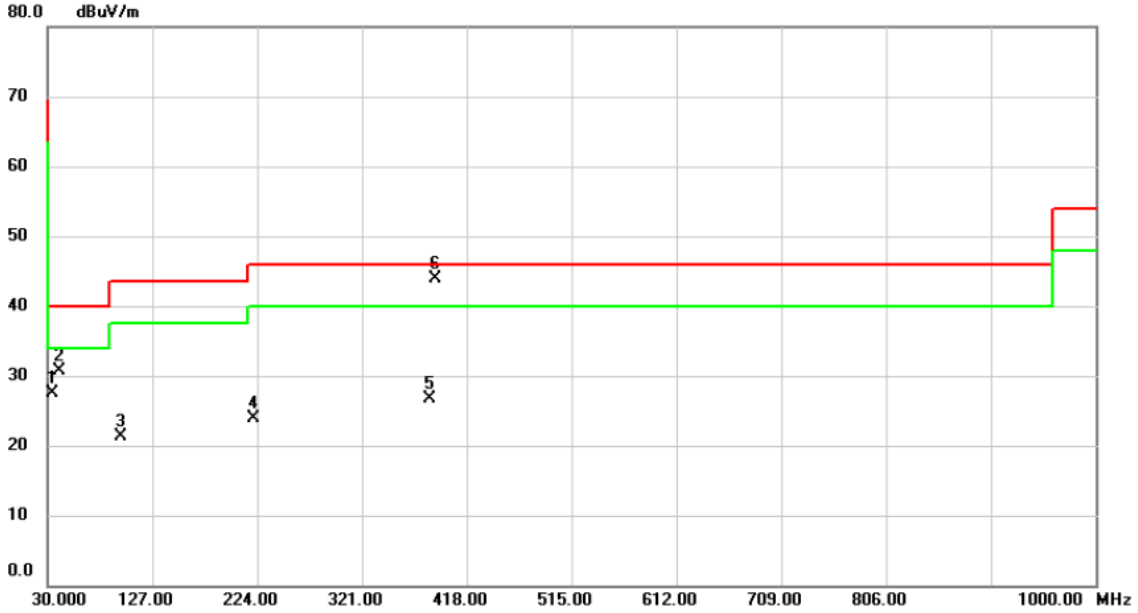
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	41.6400	43.02	-8.53	34.49	40.00	-5.51	peak	
2		63.9500	37.83	-9.21	28.62	40.00	-11.38	peak	
3		114.3900	38.39	-10.52	27.87	43.50	-15.63	peak	
4		223.0300	33.28	-10.61	22.67	46.00	-23.33	peak	
5		388.9000	43.17	-5.23	37.94	46.00	-8.06	peak	
6		600.3600	33.02	-0.42	32.60	46.00	-13.40	peak	

Test Mode:	UNII-2A/ TX N40 Mode 5310MHz

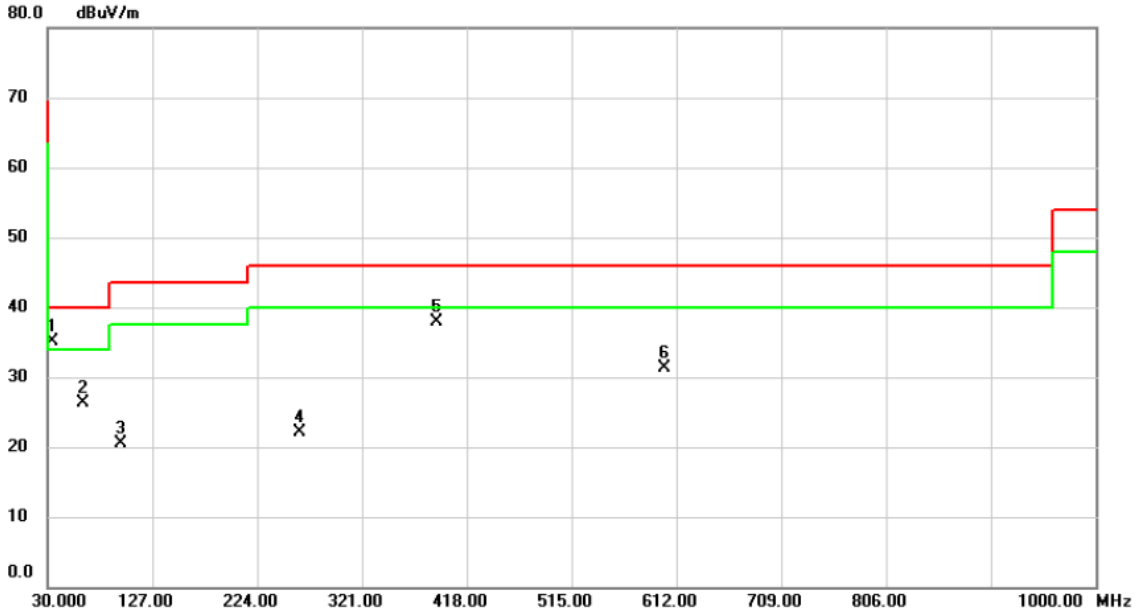
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		34.8500	36.36	-8.81	27.55	40.00	-12.45	peak	
2		40.6700	39.12	-8.51	30.61	40.00	-9.39	peak	
3		97.9000	33.91	-12.57	21.34	43.50	-22.16	peak	
4		220.1200	34.64	-10.81	23.83	46.00	-22.17	peak	
5		384.0500	32.11	-5.35	26.76	46.00	-19.24	peak	
6	*	388.9000	49.06	-5.23	43.83	46.00	-2.17	peak	

Test Mode:	UNII-2C/ TX N40 Mode 5510MHz

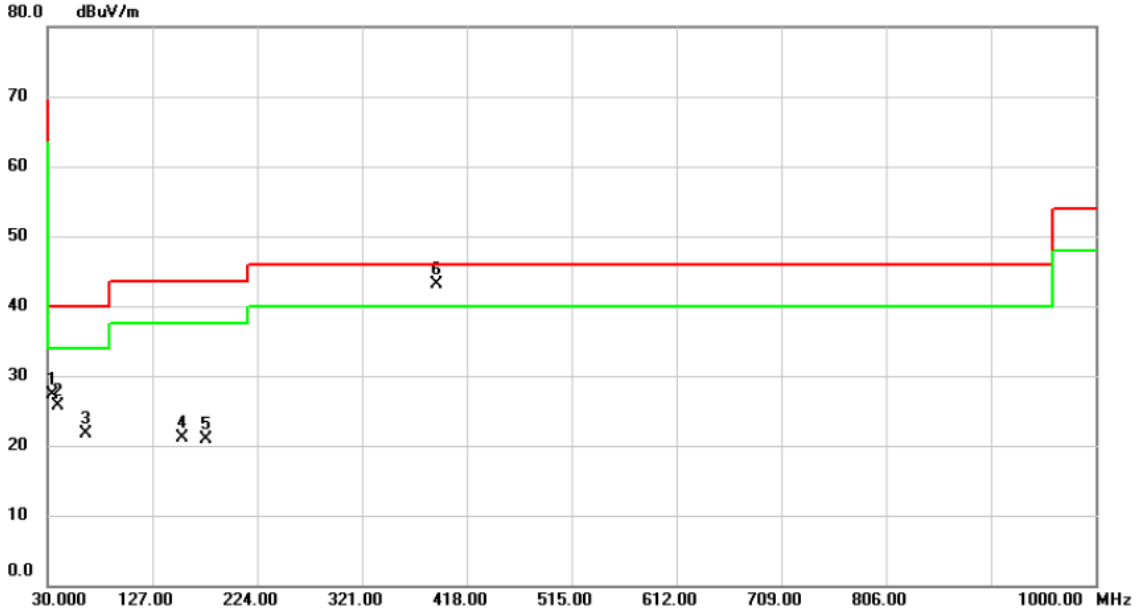
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	34.8500	43.90	-8.81	35.09	40.00	-4.91	peak	
2		62.9800	35.39	-9.07	26.32	40.00	-13.68	peak	
3		97.9000	33.14	-12.57	20.57	43.50	-22.93	peak	
4		262.8000	30.68	-8.67	22.01	46.00	-23.99	peak	
5		389.8700	43.10	-5.20	37.90	46.00	-8.10	peak	
6		600.3600	31.65	-0.42	31.23	46.00	-14.77	peak	

Test Mode:	UNII-2C/ TX N40 Mode 5510MHz

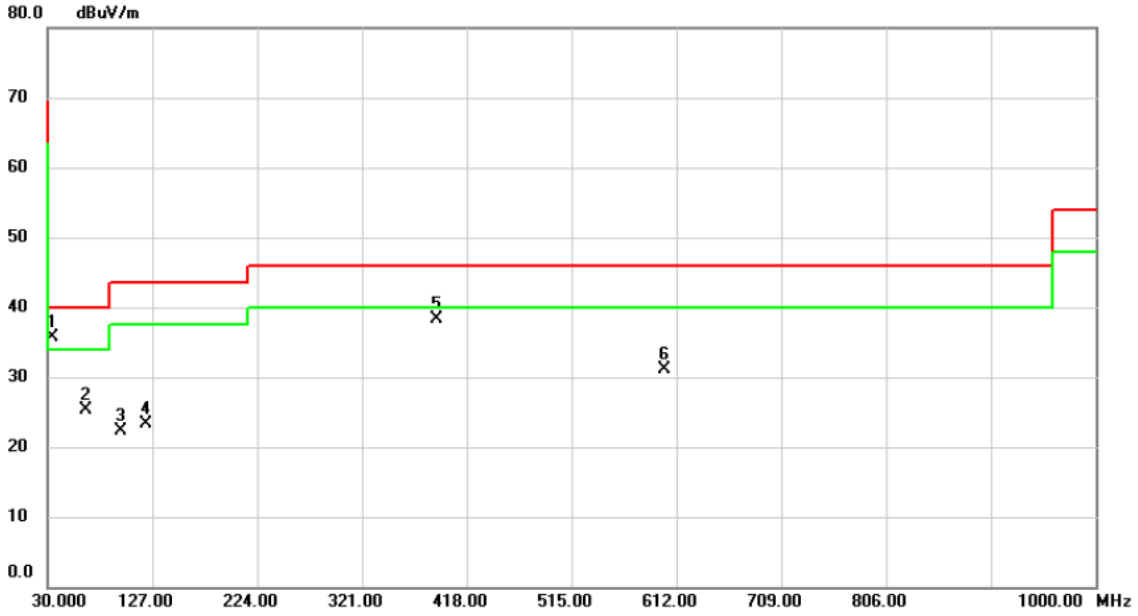
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		34.8500	36.03	-8.81	27.22	40.00	-12.78	peak	
2		39.7000	34.28	-8.52	25.76	40.00	-14.24	peak	
3		64.9200	31.02	-9.37	21.65	40.00	-18.35	peak	
4		154.1600	29.95	-8.81	21.14	43.50	-22.36	peak	
5		176.4700	30.25	-9.25	21.00	43.50	-22.50	peak	
6	*	389.8700	48.29	-5.20	43.09	46.00	-2.91	peak	

Test Mode:	UNII-3/ TX N20 Mode 5745MHz

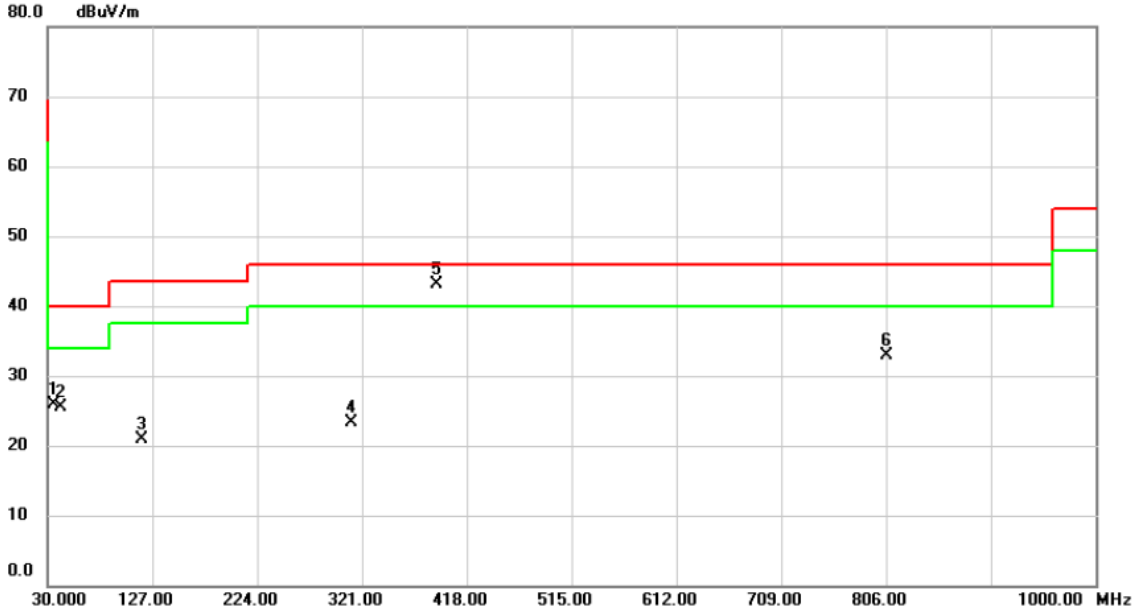
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	34.8500	44.56	-8.81	35.75	40.00	-4.25	peak	
2		64.9200	34.58	-9.37	25.21	40.00	-14.79	peak	
3		97.9000	34.88	-12.57	22.31	43.50	-21.19	peak	
4		121.1800	33.44	-10.10	23.34	43.50	-20.16	peak	
5		389.8700	43.55	-5.20	38.35	46.00	-7.65	peak	
6		600.3600	31.50	-0.42	31.08	46.00	-14.92	peak	

Test Mode:	UNII-3/ TX N20 Mode 5745MHz

Horizontal

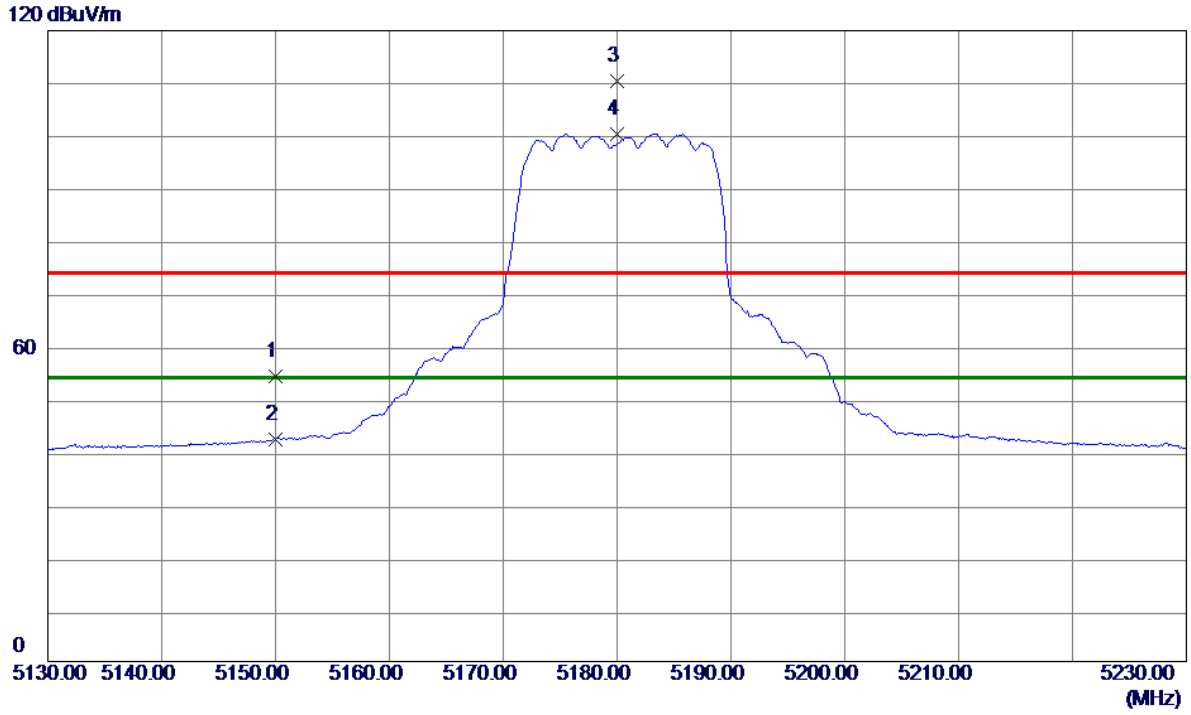


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		35.8200	34.66	-8.75	25.91	40.00	-14.09	peak	
2		41.6400	34.10	-8.53	25.57	40.00	-14.43	peak	
3		117.3000	31.33	-10.33	21.00	43.50	-22.50	peak	
4		311.3000	30.41	-7.20	23.21	46.00	-22.79	peak	
5	*	389.8700	48.22	-5.20	43.02	46.00	-2.98	peak	
6		806.9700	30.24	2.71	32.95	46.00	-13.05	peak	

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

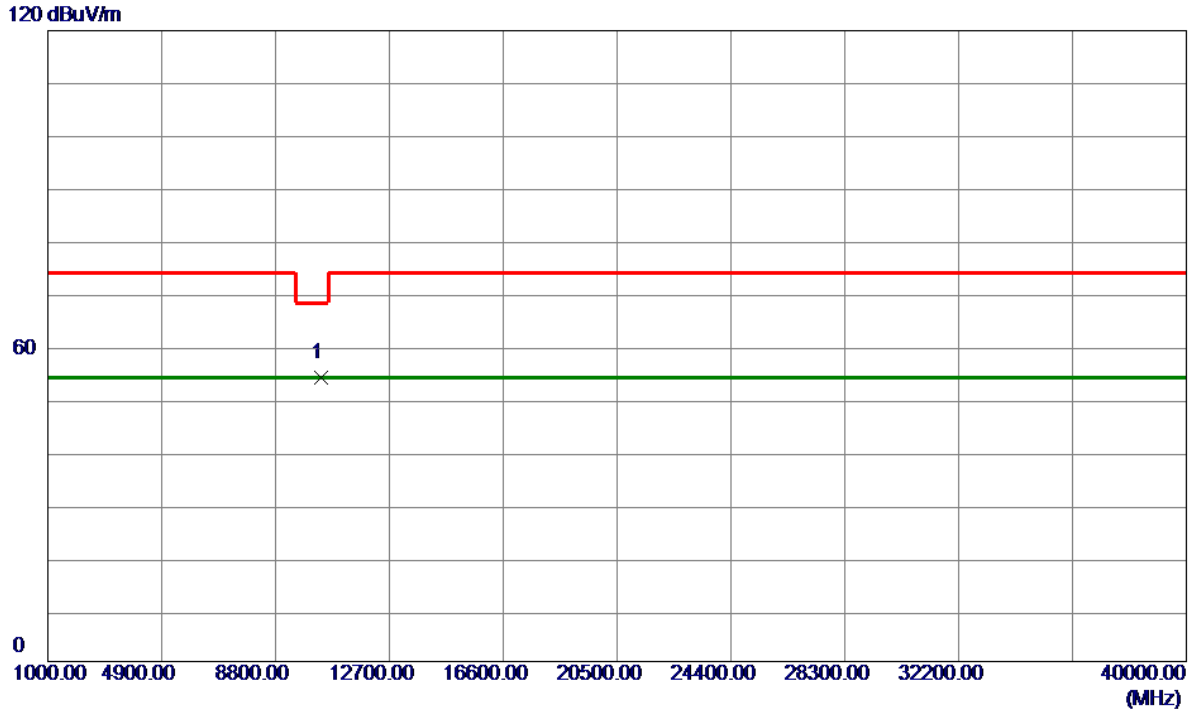
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	16.74	37.54	54.28	74.00	-19.72	Peak	
2	5150.0000	4.63	37.54	42.17	54.00	-11.83	AVG	
3	5180.0000	72.87	37.57	110.44	74.00	36.44	Peak	
4 *	5180.0000	62.78	37.57	100.35	54.00	46.35	AVG	

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

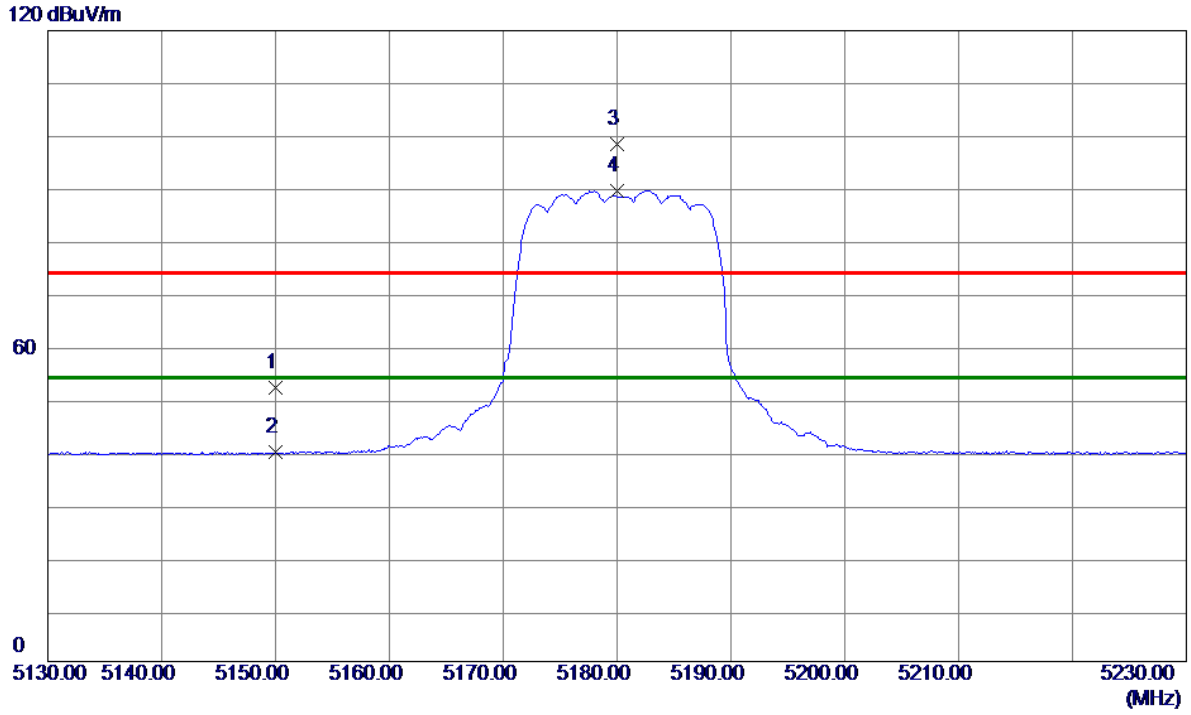
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	52.00	1.93	53.93	68.20	-14.27	Peak	

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

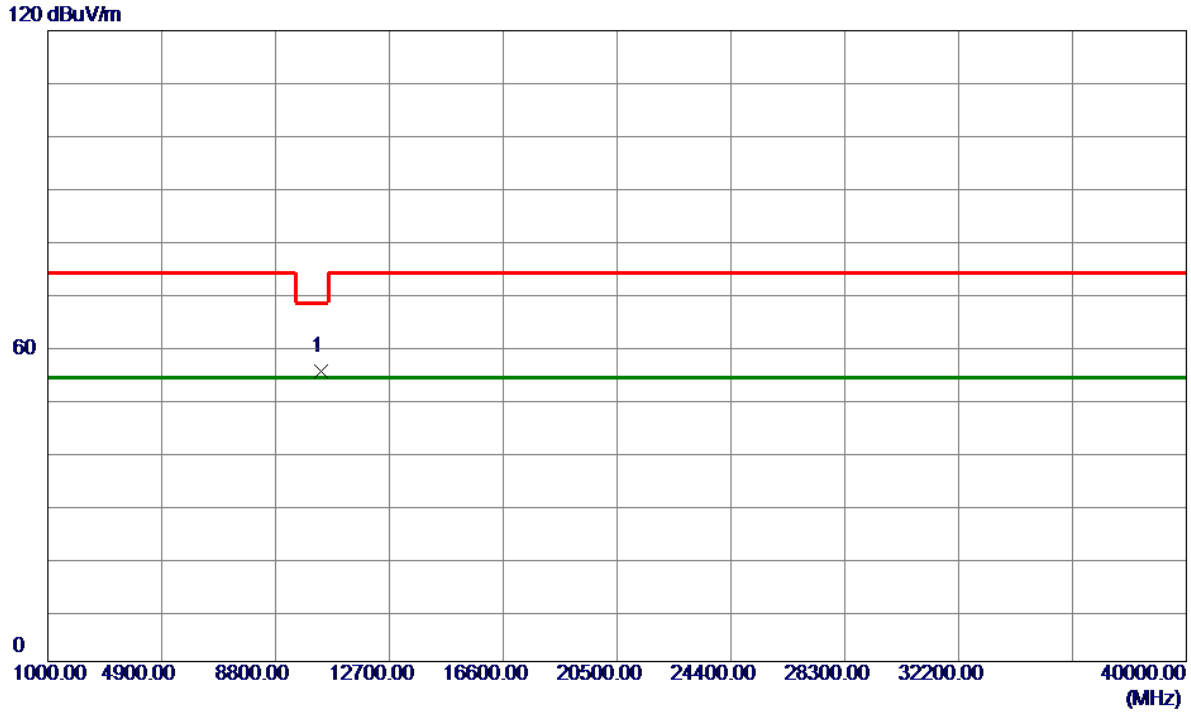
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	14.55	37.54	52.09	74.00	-21.91	Peak	
2	5150.0000	2.27	37.54	39.81	54.00	-14.19	AVG	
3 *	5180.0000	60.85	37.57	98.42	74.00	24.42	Peak	
4	5180.0000	51.97	37.57	89.54	74.00	15.54	Peak	

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

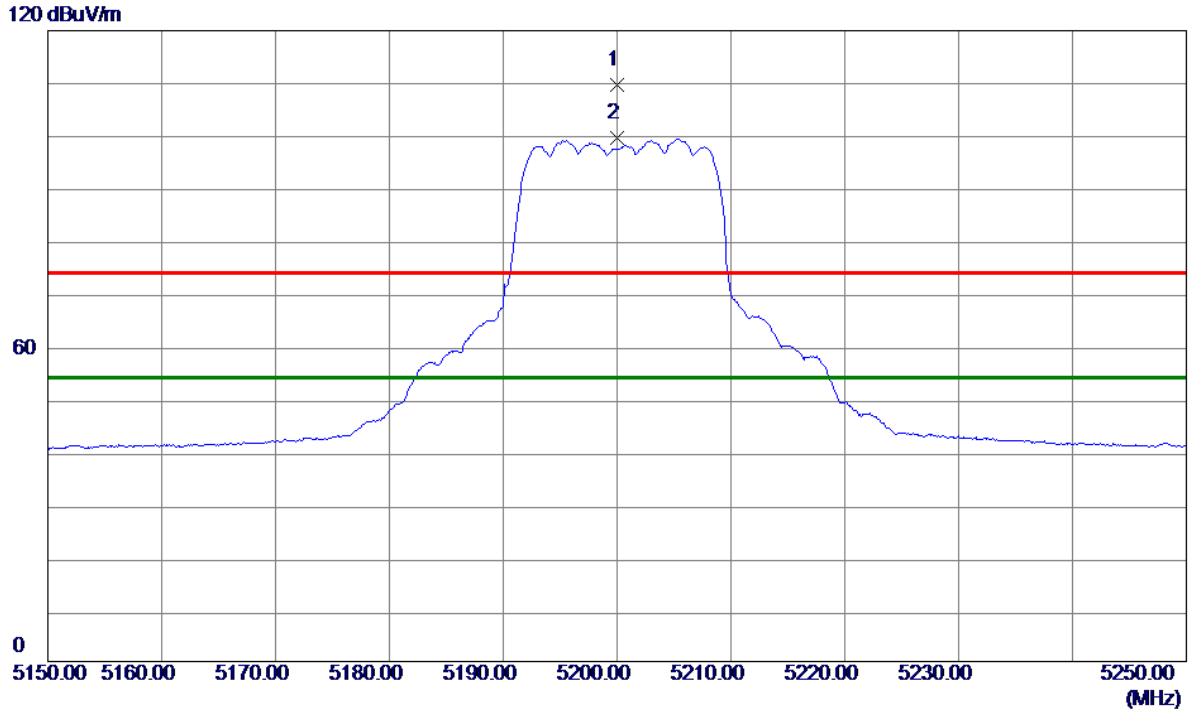
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	53.26	1.93	55.19	68.20	-13.01	Peak	

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

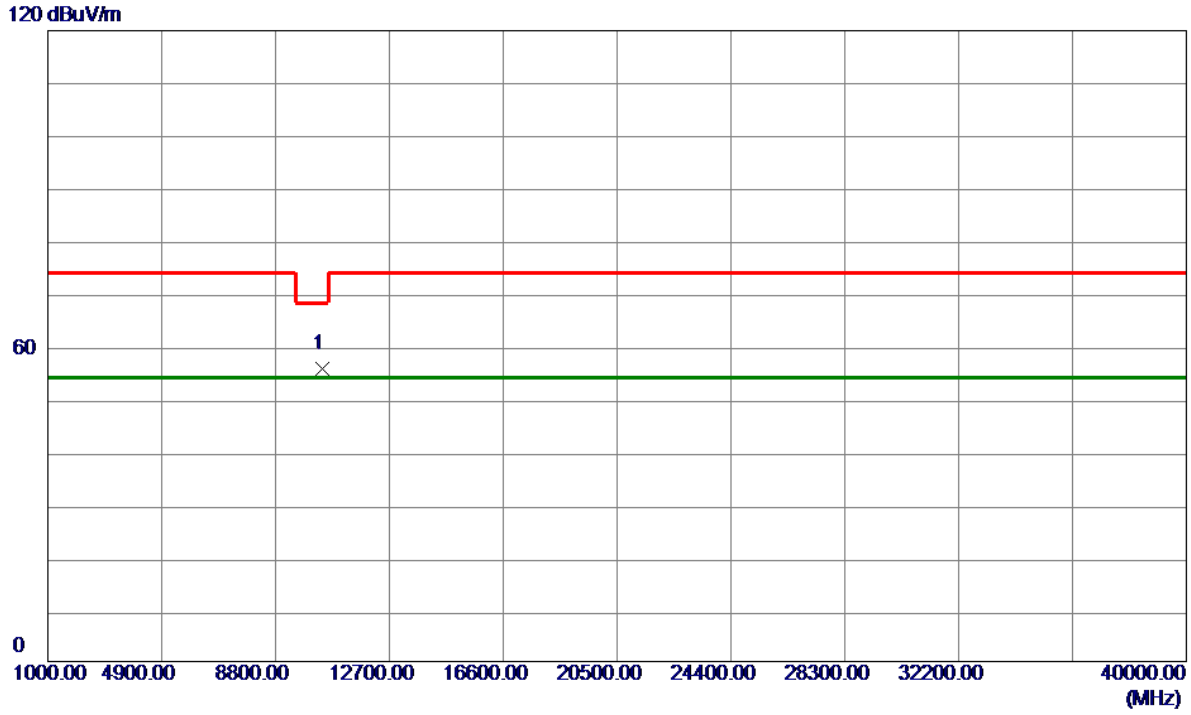
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5200.0000	72.12	37.60	109.72	74.00	35.72	Peak	
2 *	5200.0000	62.02	37.60	99.62	54.00	45.62	AVG	

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

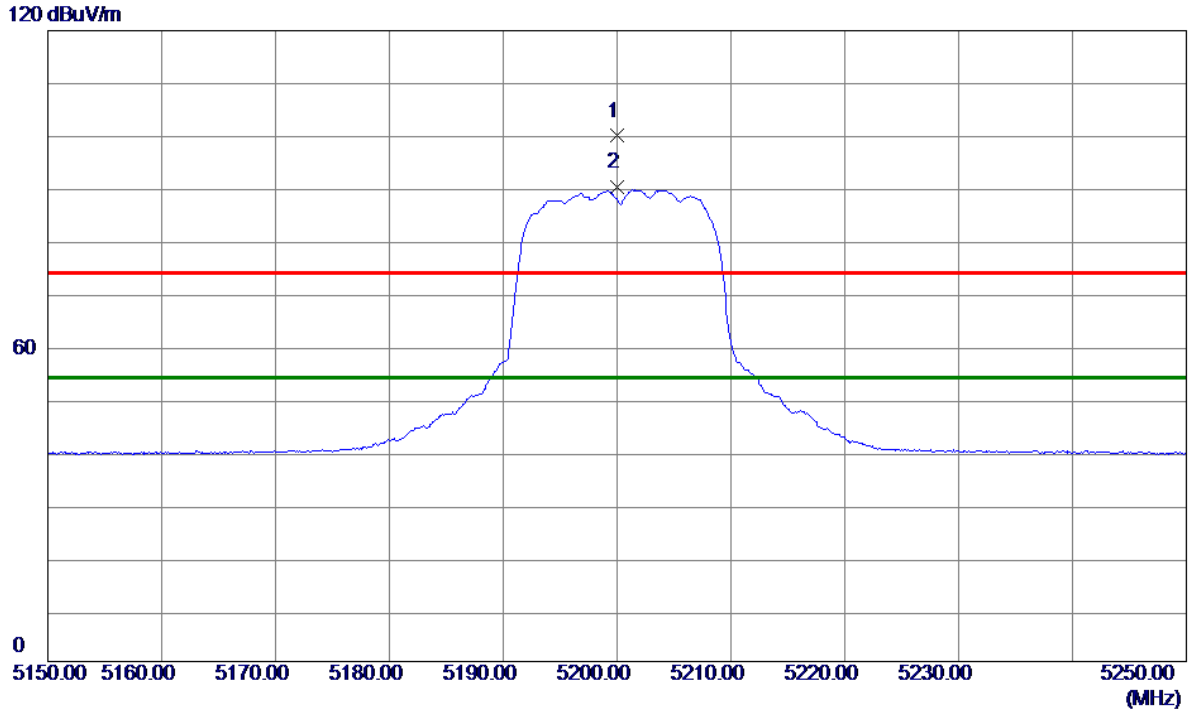
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0000	53.66	1.94	55.60	68.20	-12.60	Peak	

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

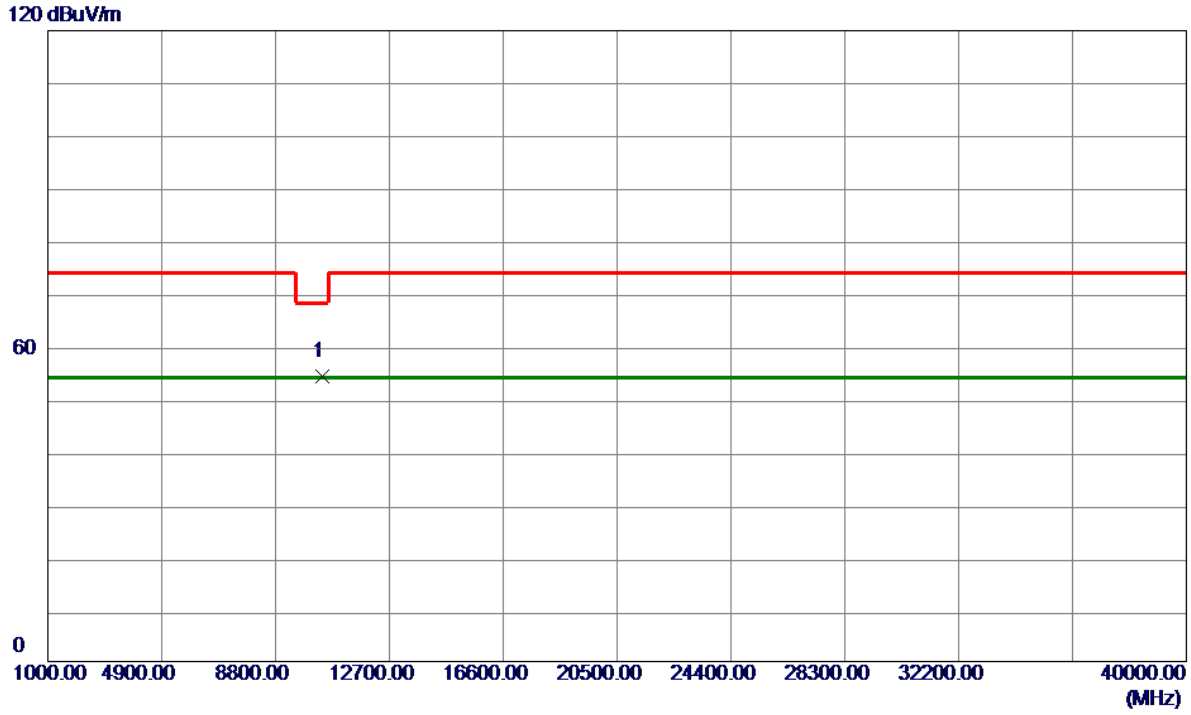
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5200.0000	62.36	37.60	99.96	74.00	25.96	Peak	
2 *	5200.0000	52.53	37.60	90.13	54.00	36.13	AVG	

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

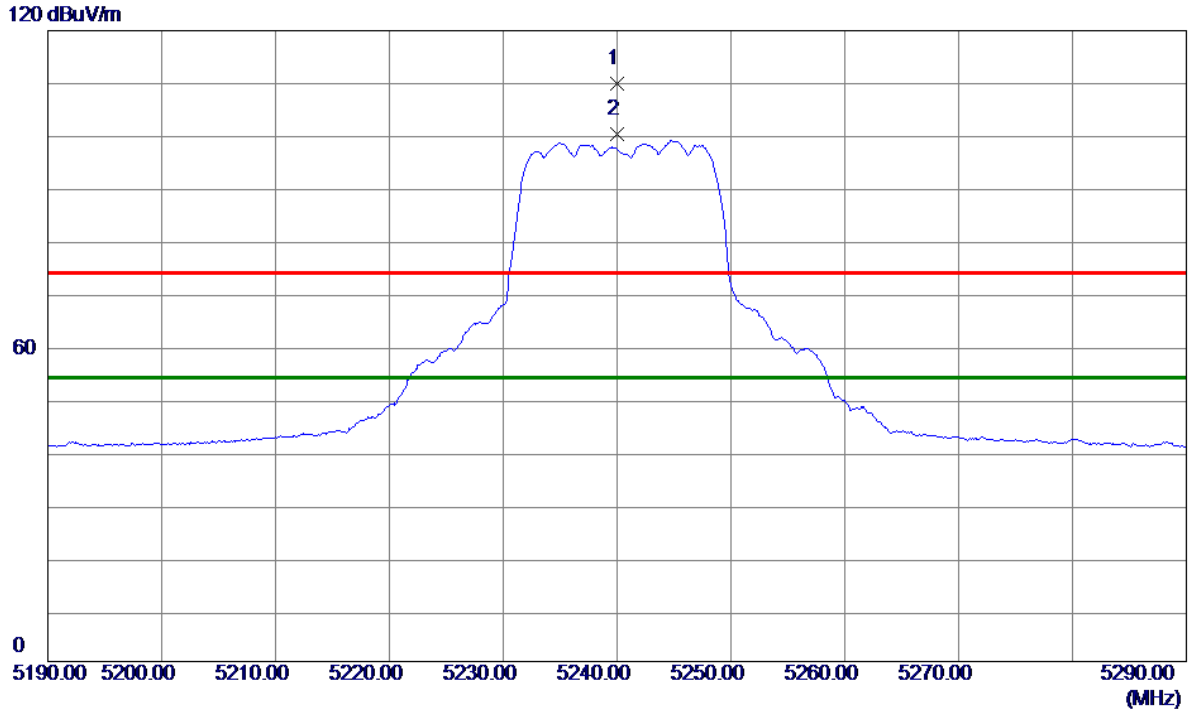
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0000	52.29	1.94	54.23	68.20	-13.97	Peak	

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

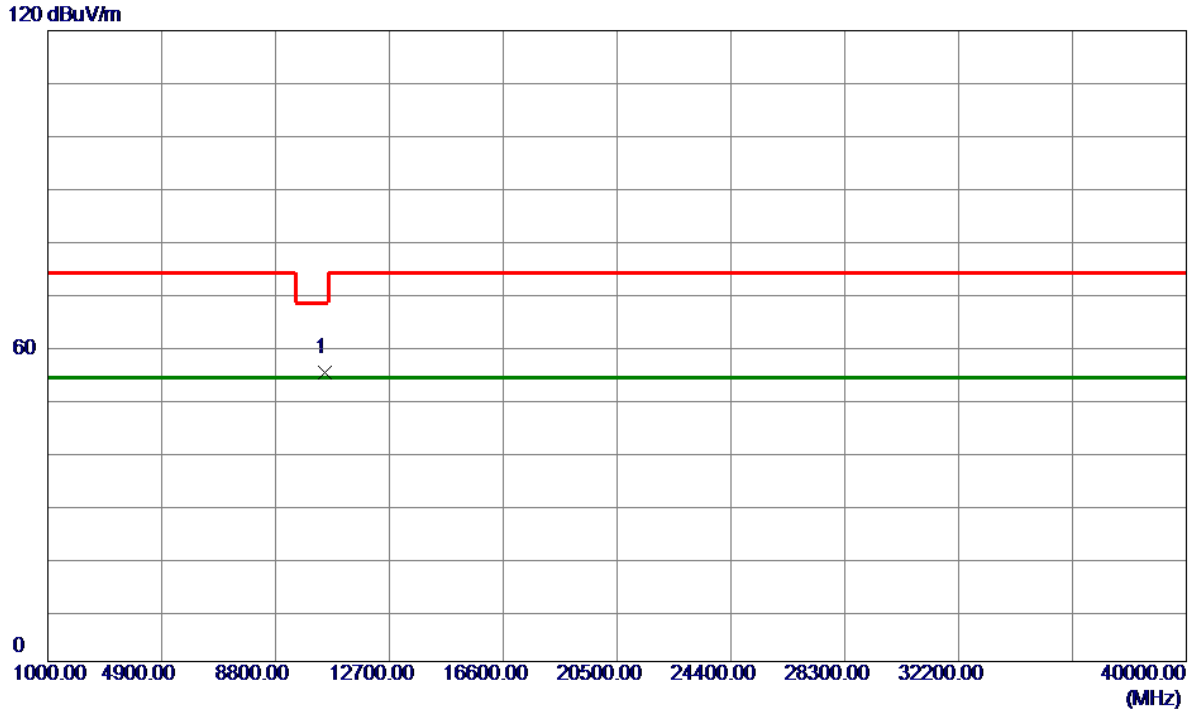
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5240.0000	72.26	37.64	109.90	74.00	35.90	Peak	
2 *	5240.0000	62.56	37.64	100.20	54.00	46.20	AVG	

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

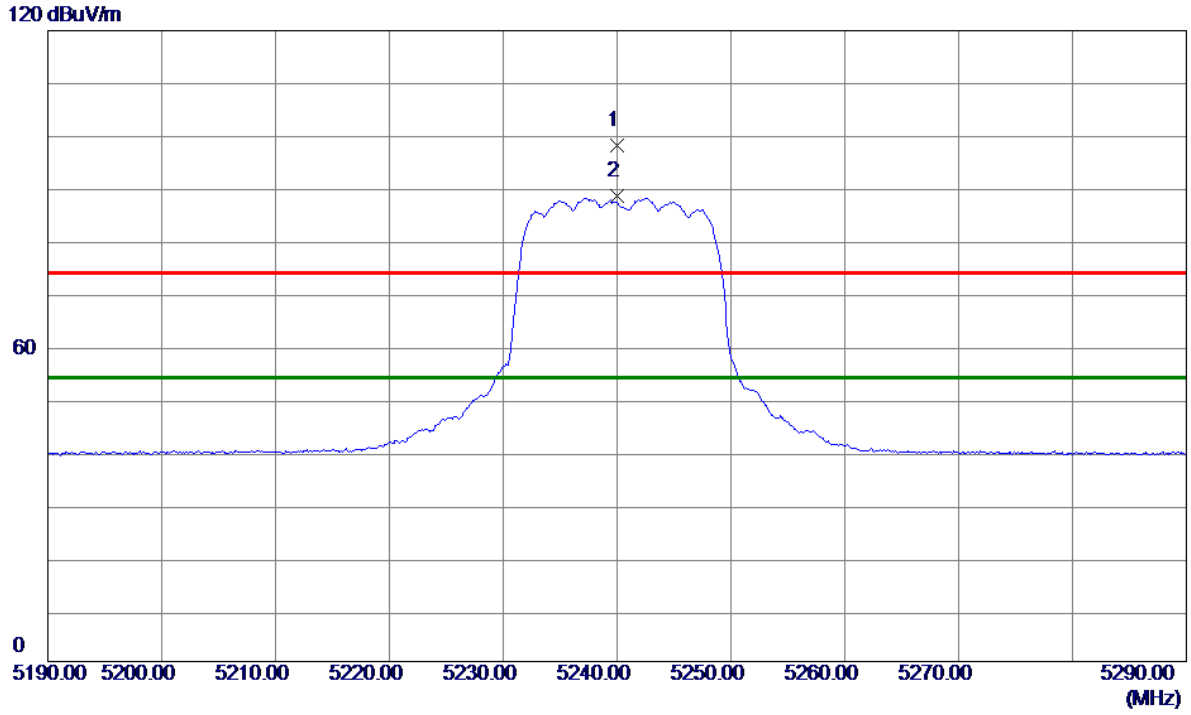
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.0000	53.03	1.96	54.99	68.20	-13.21	Peak	

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

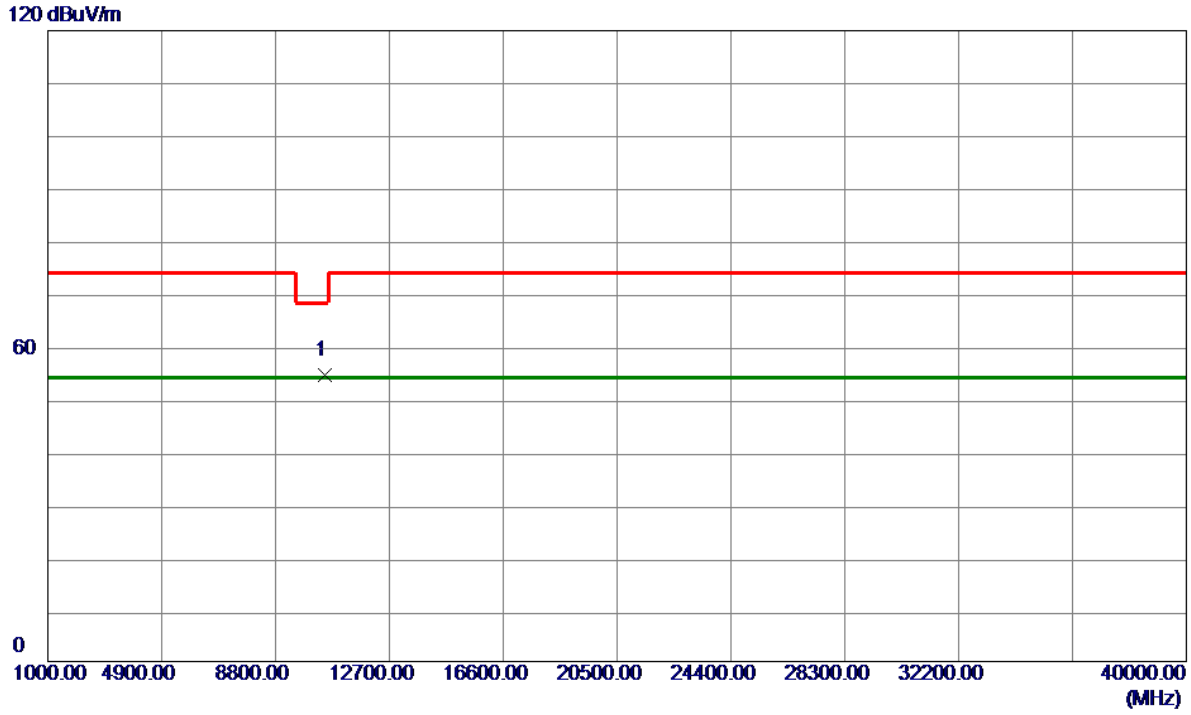
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5240.0000	60.52	37.64	98.16	74.00	24.16	Peak	
2 *	5240.0000	50.93	37.64	88.57	54.00	34.57	AVG	

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

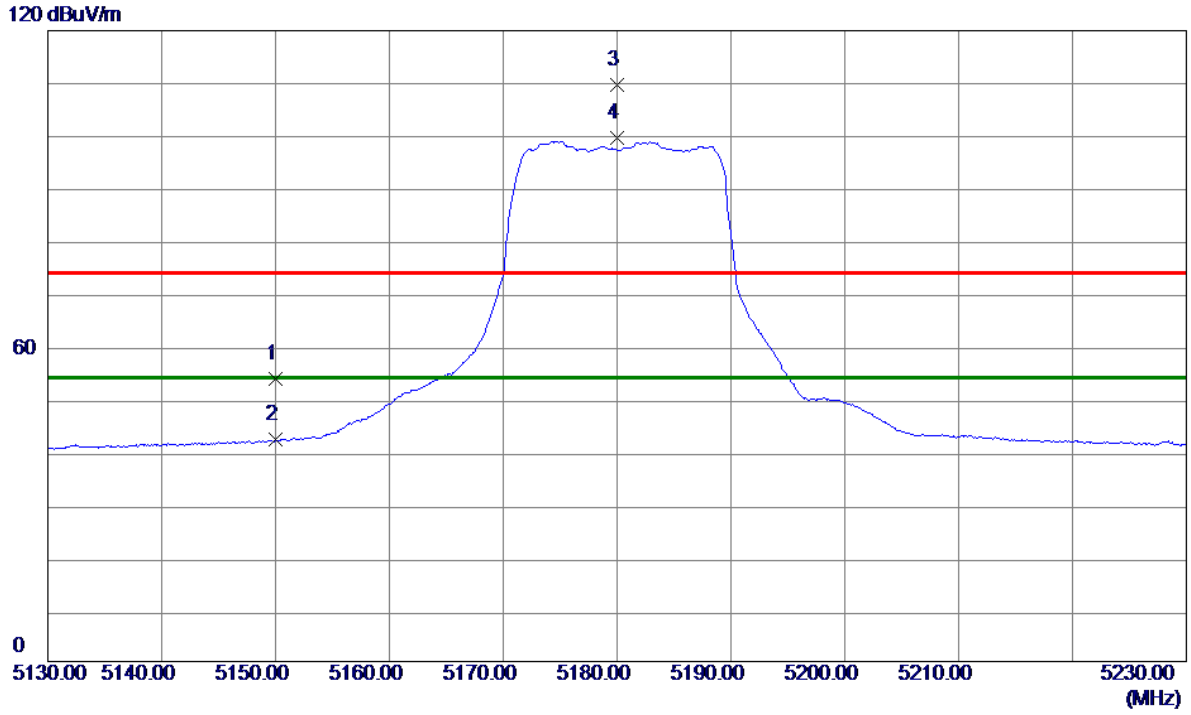
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.0000	52.51	1.96	54.47	68.20	-13.73	Peak	

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

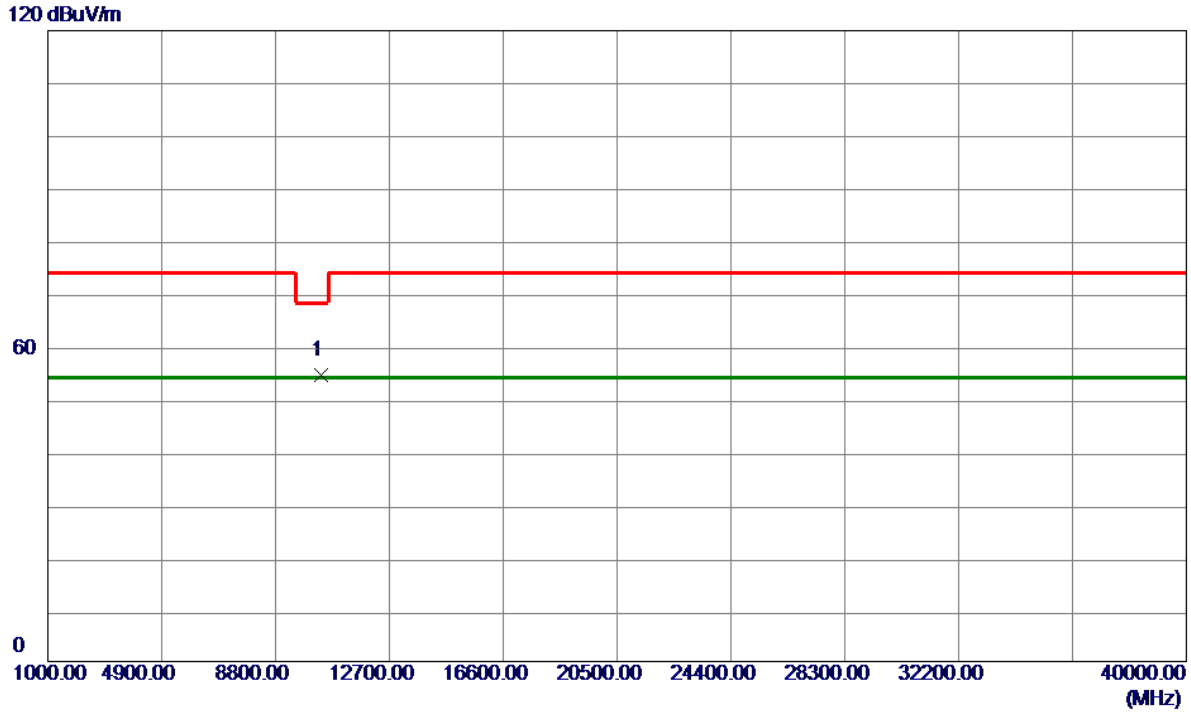
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	16.11	37.54	53.65	74.00	-20.35	Peak	
2	5150.0000	4.60	37.54	42.14	54.00	-11.86	AVG	
3	5180.0000	72.07	37.57	109.64	74.00	35.64	Peak	
4 *	5180.0000	61.97	37.57	99.54	54.00	45.54	AVG	

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

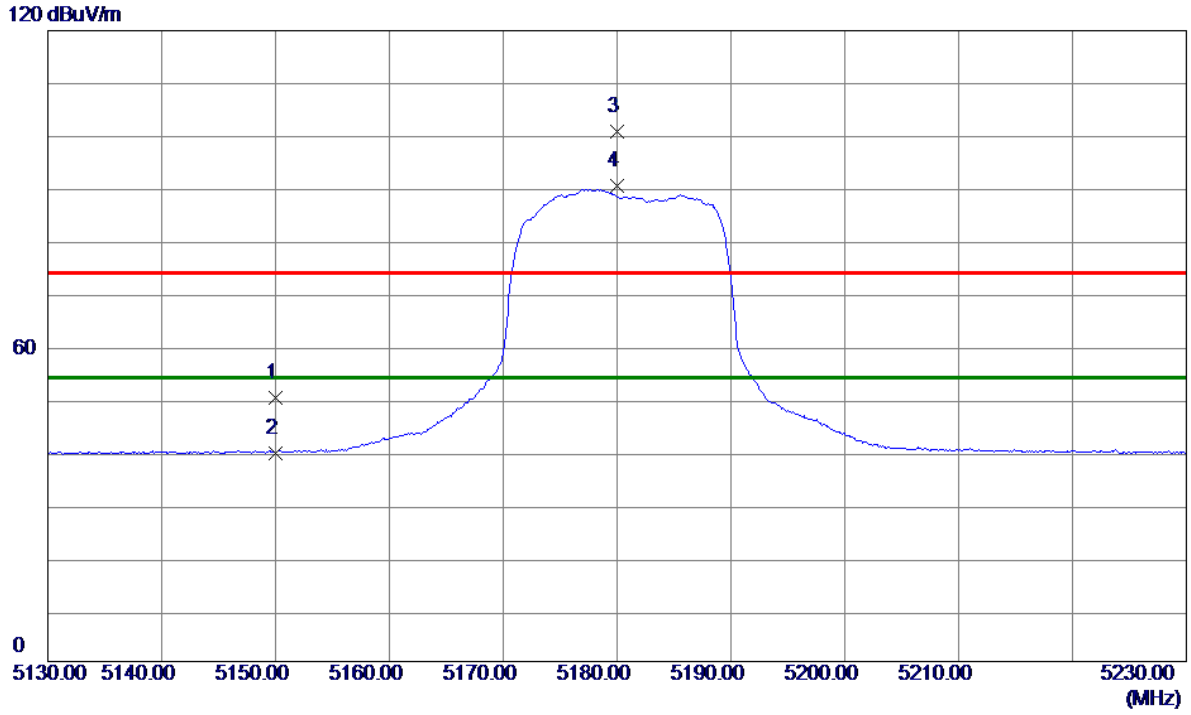
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	52.56	1.93	54.49	68.20	-13.71	Peak	

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

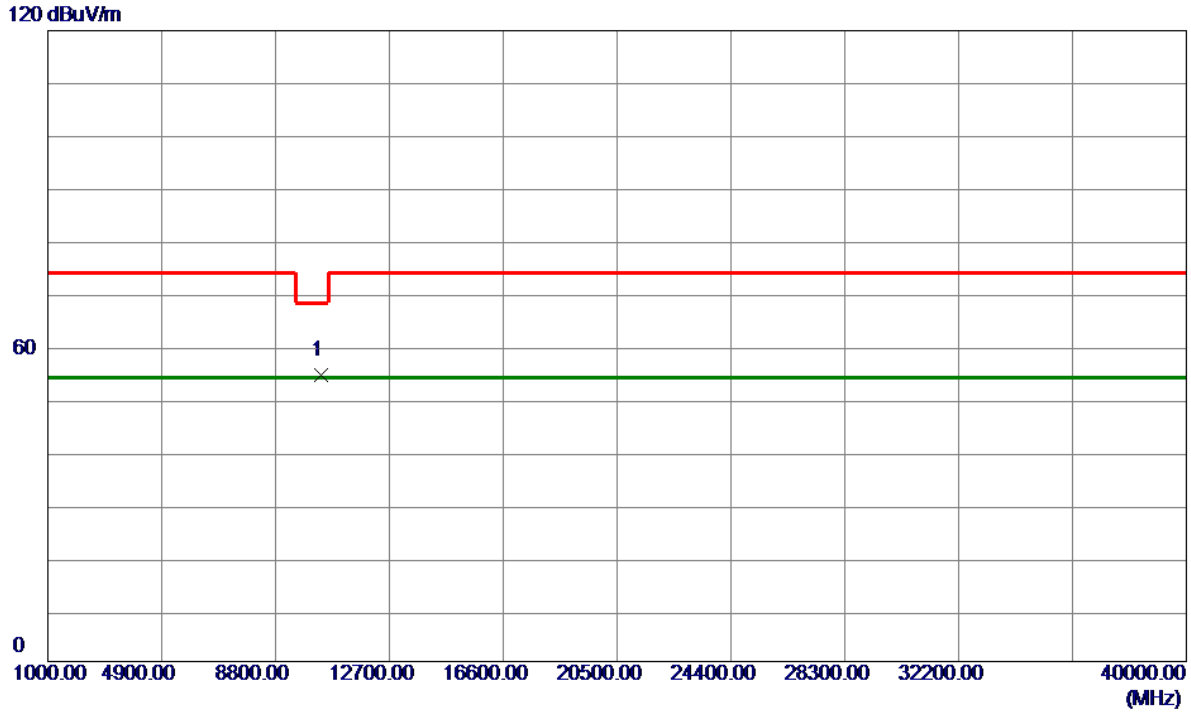
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	12.64	37.54	50.18	74.00	-23.82	Peak	
2	5150.0000	2.14	37.54	39.68	54.00	-14.32	AVG	
3	5180.0000	63.16	37.57	100.73	74.00	26.73	Peak	
4 *	5180.0000	52.90	37.57	90.47	54.00	36.47	AVG	

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

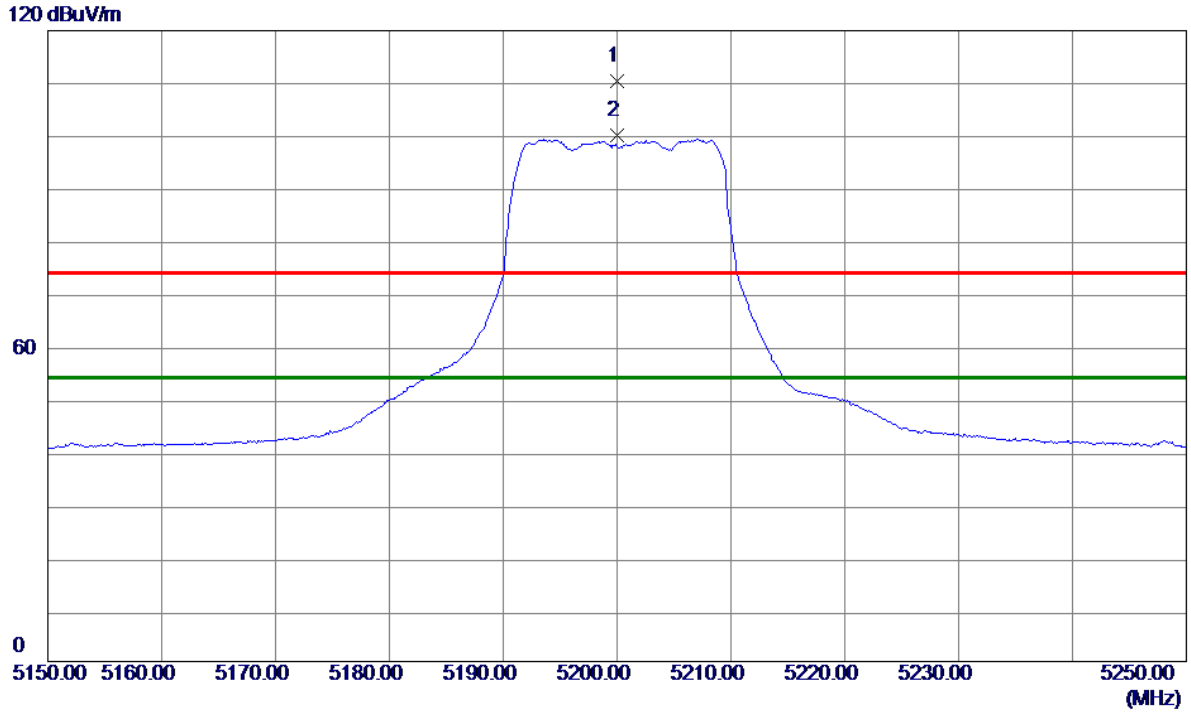
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	52.65	1.93	54.58	68.20	-13.62	Peak	

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

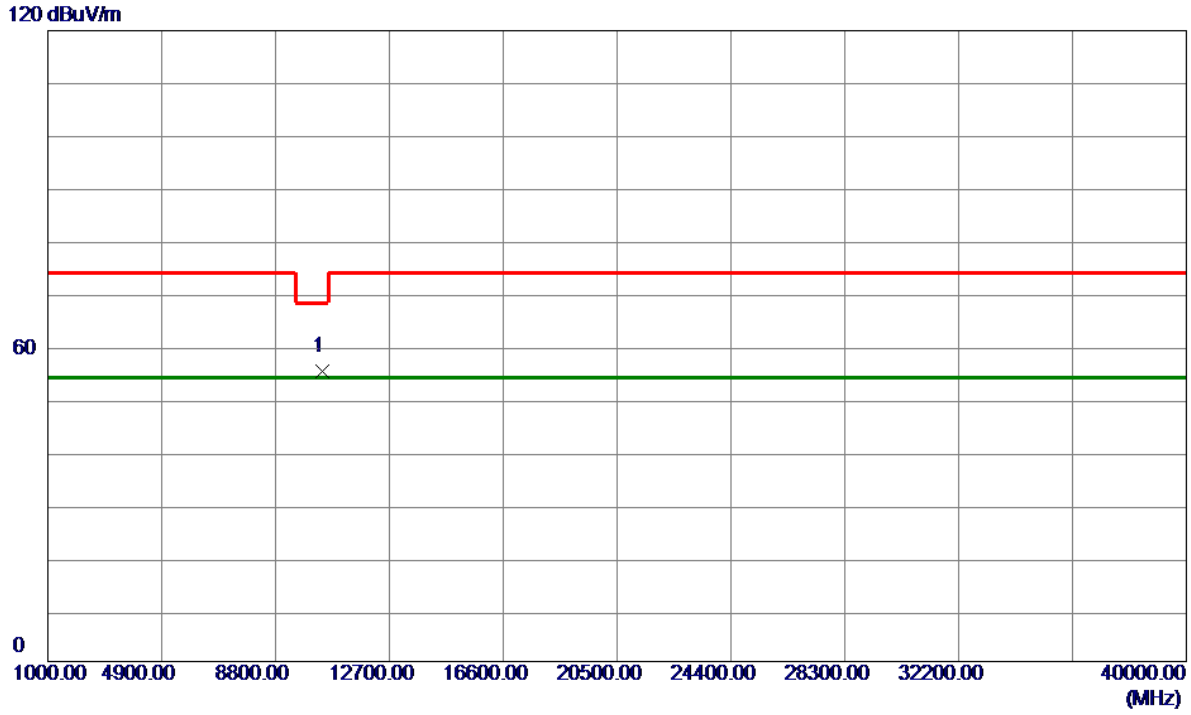
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5200.0000	72.82	37.60	110.42	74.00	36.42	Peak	
2 *	5200.0000	62.56	37.60	100.16	54.00	46.16	AVG	

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

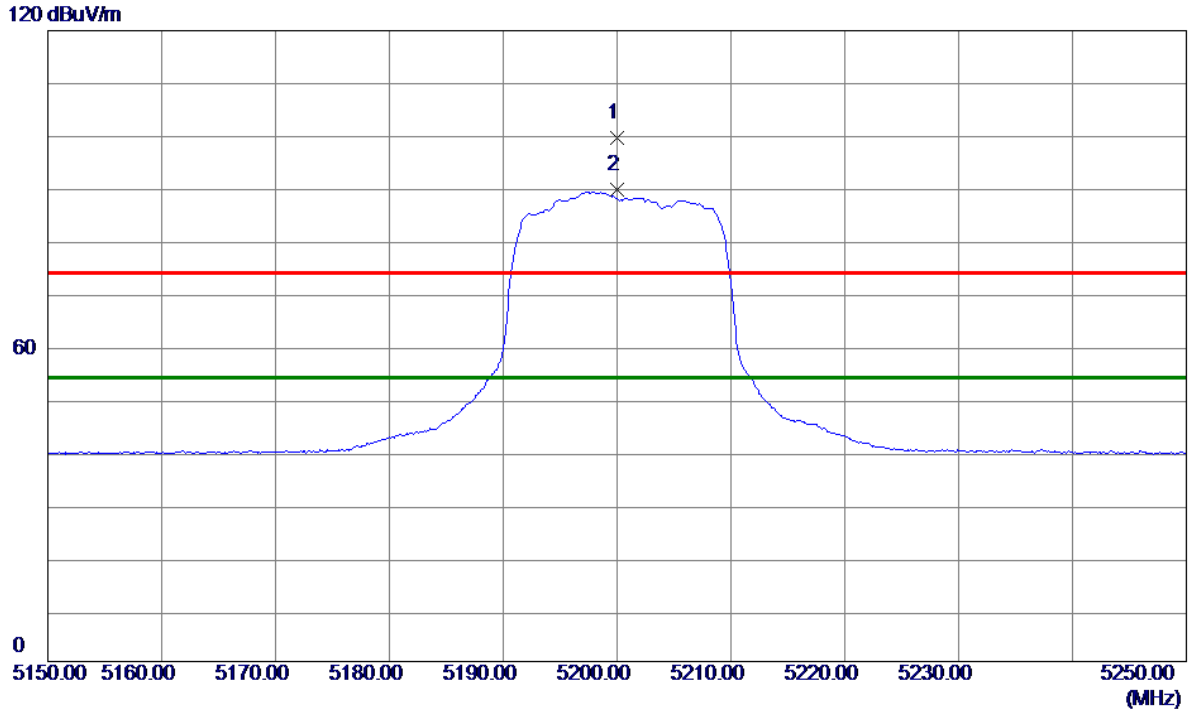
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0000	53.35	1.94	55.29	68.20	-12.91	Peak	

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

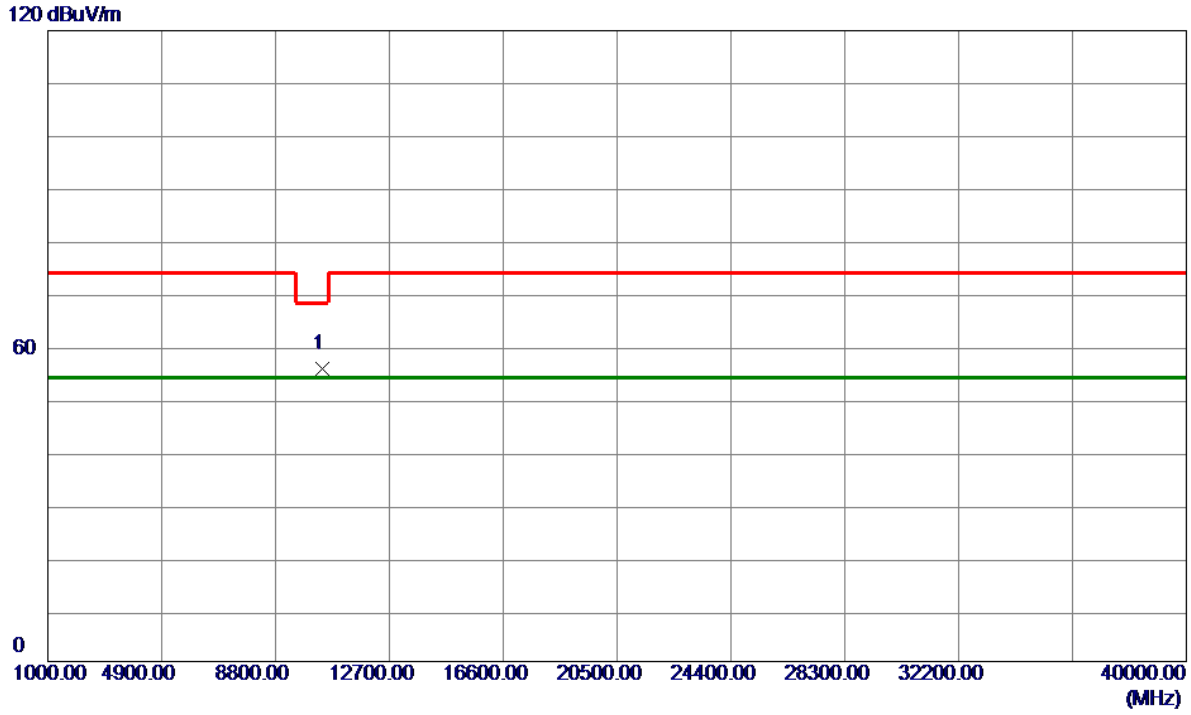
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5200.0000	61.89	37.60	99.49	74.00	25.49	Peak	
2 *	5200.0000	52.20	37.60	89.80	54.00	35.80	AVG	

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

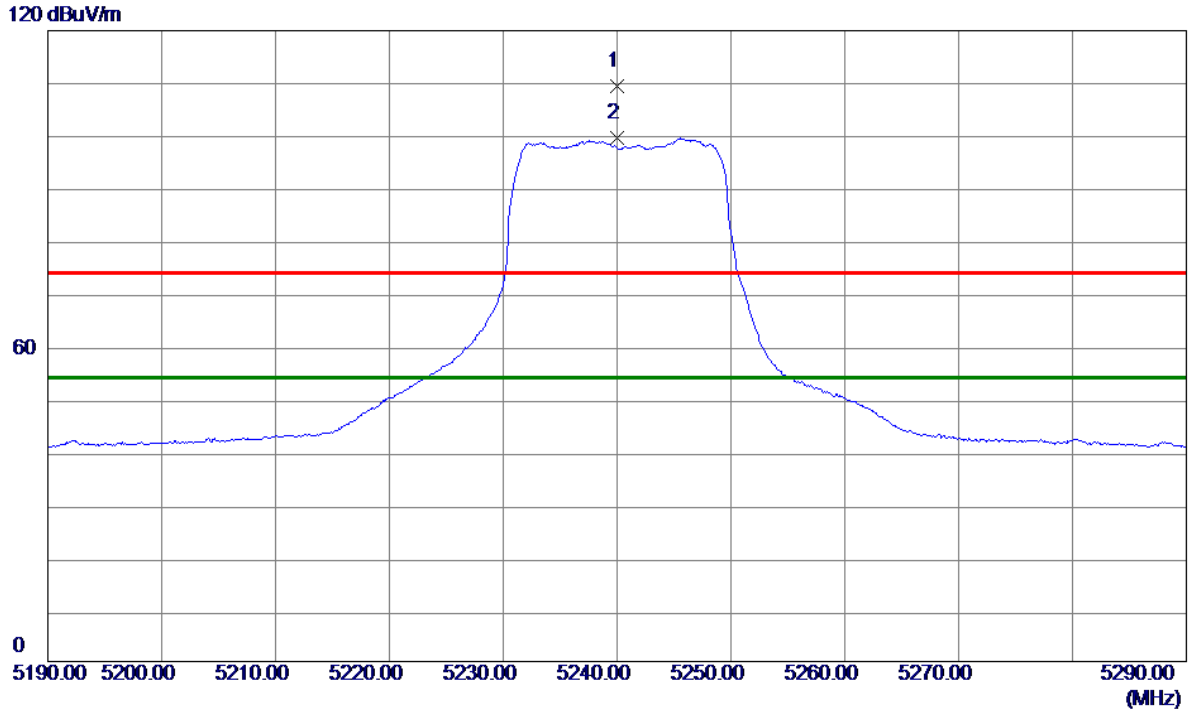
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0000	53.69	1.94	55.63	68.20	-12.57	Peak	

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

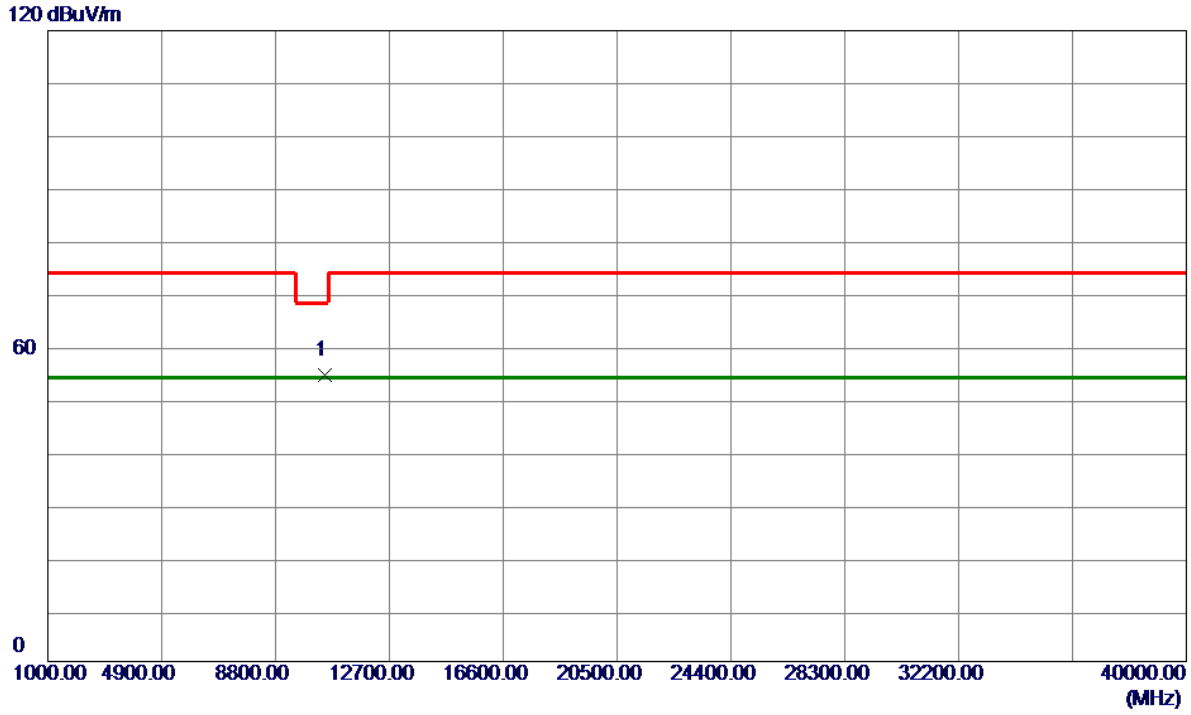
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5240.0000	71.89	37.64	109.53	74.00	35.53	Peak	
2 *	5240.0000	61.85	37.64	99.49	54.00	45.49	AVG	

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

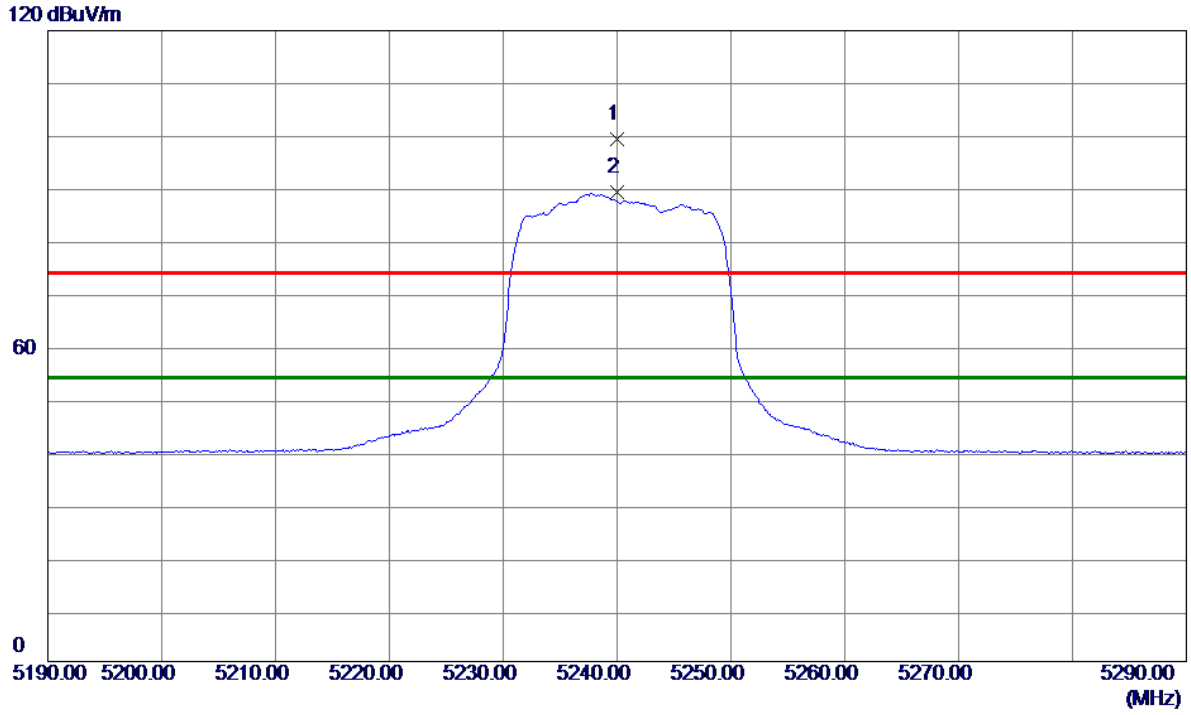
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.0000	52.57	1.96	54.53	68.20	-13.67	Peak	

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

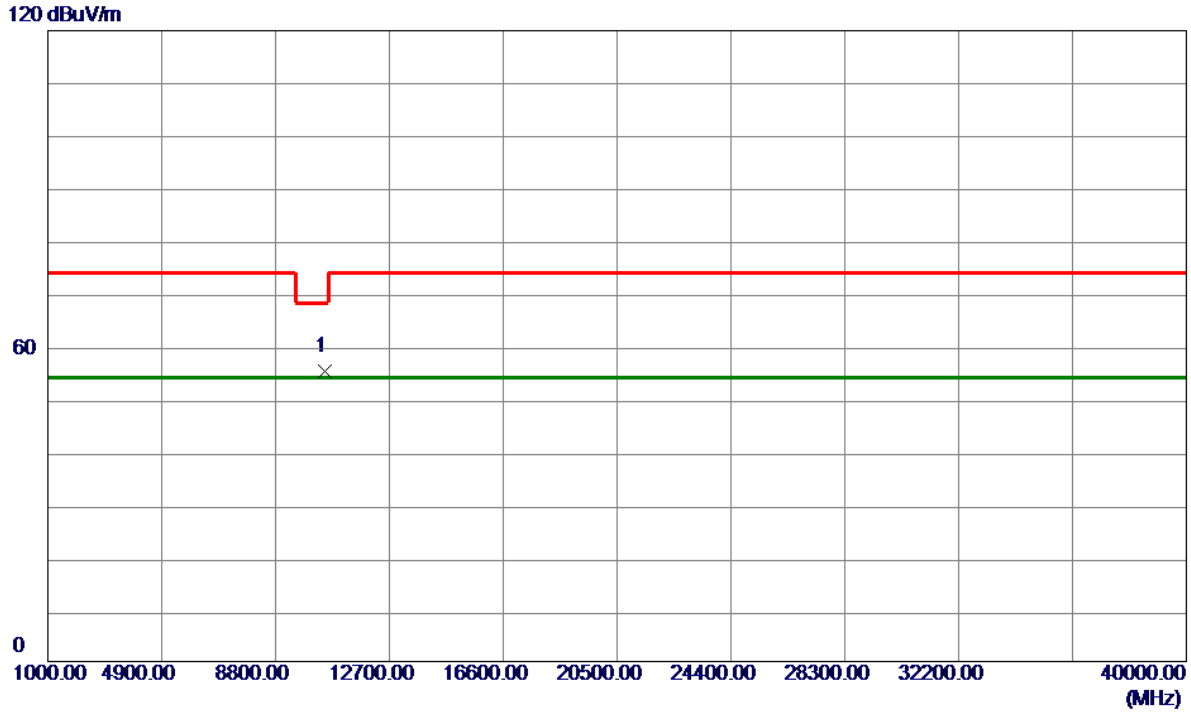
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5240.0000	61.77	37.64	99.41	74.00	25.41	Peak	
2 *	5240.0000	51.58	37.64	89.22	54.00	35.22	AVG	

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

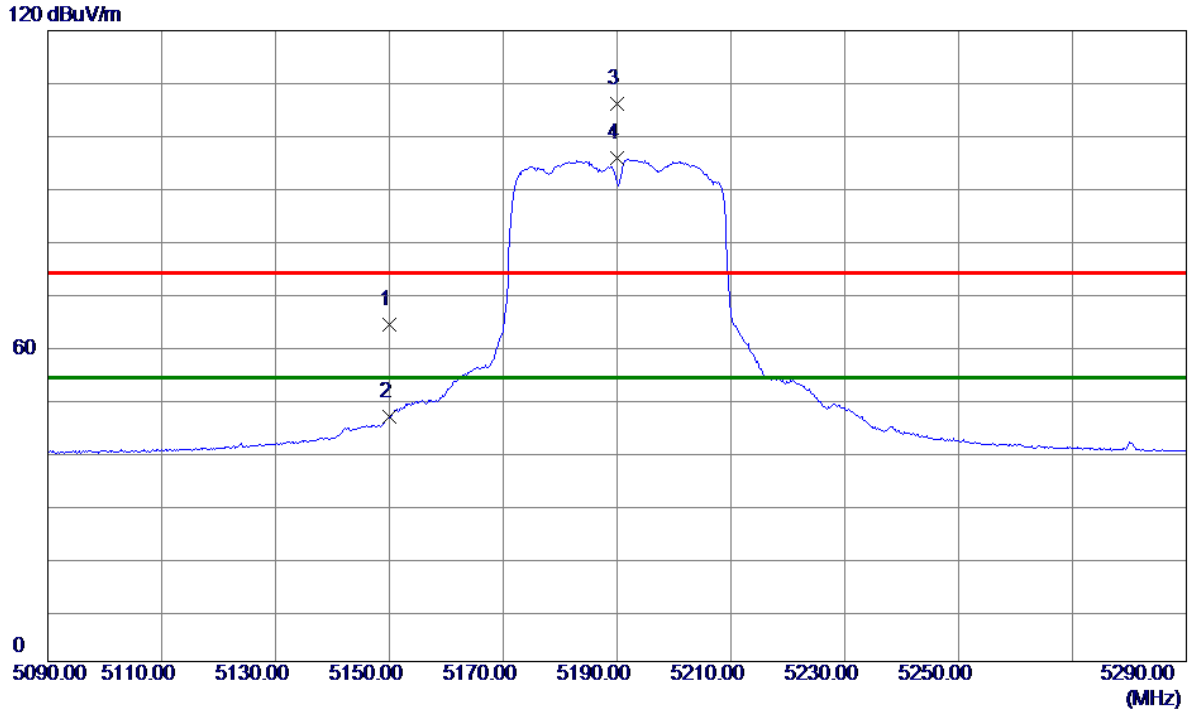
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.0000	53.13	1.96	55.09	68.20	-13.11	Peak	

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

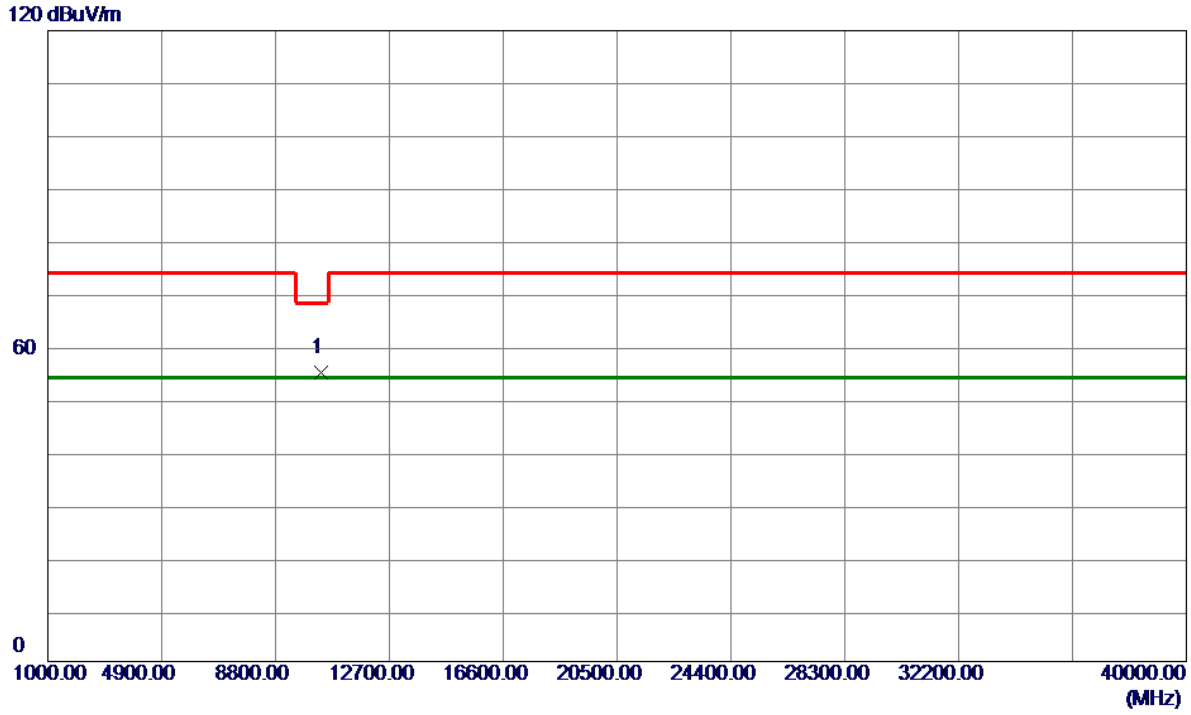
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	26.43	37.54	63.97	74.00	-10.03	Peak	
2	5150.0000	8.93	37.54	46.47	54.00	-7.53	AVG	
3	5190.0000	68.48	37.59	106.07	74.00	32.07	Peak	
4 *	5190.0000	58.17	37.59	95.76	54.00	41.76	AVG	

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

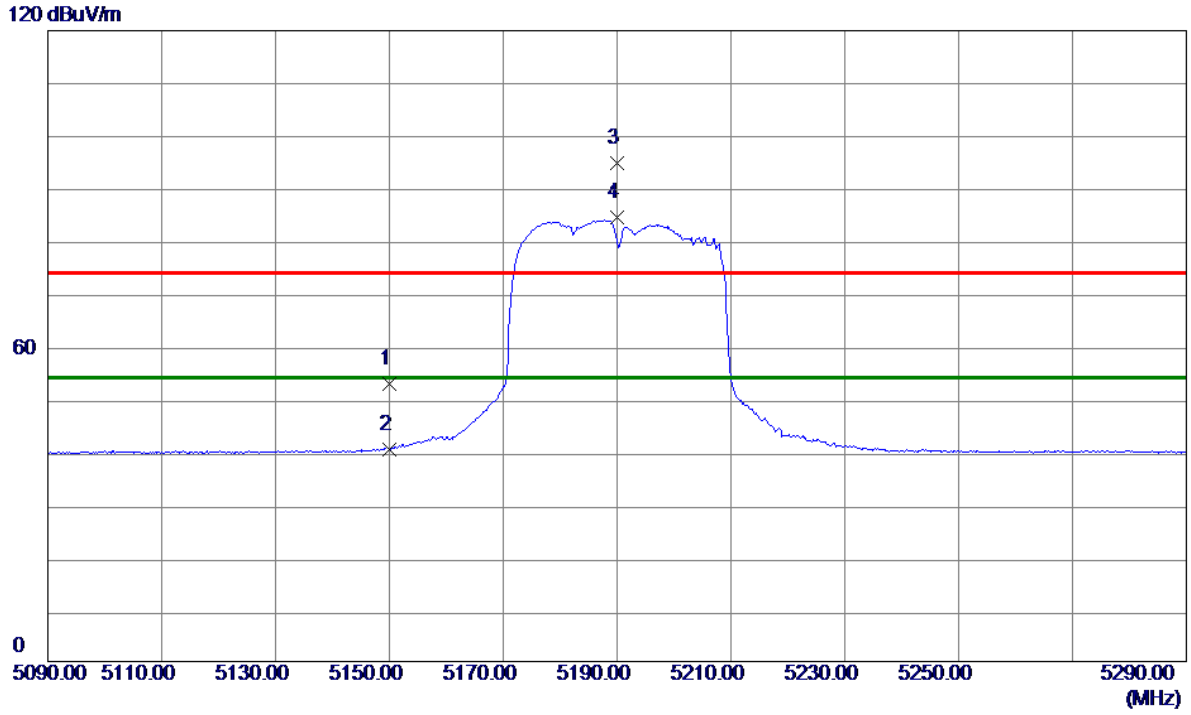
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	53.02	1.94	54.96	68.20	-13.24	Peak	

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

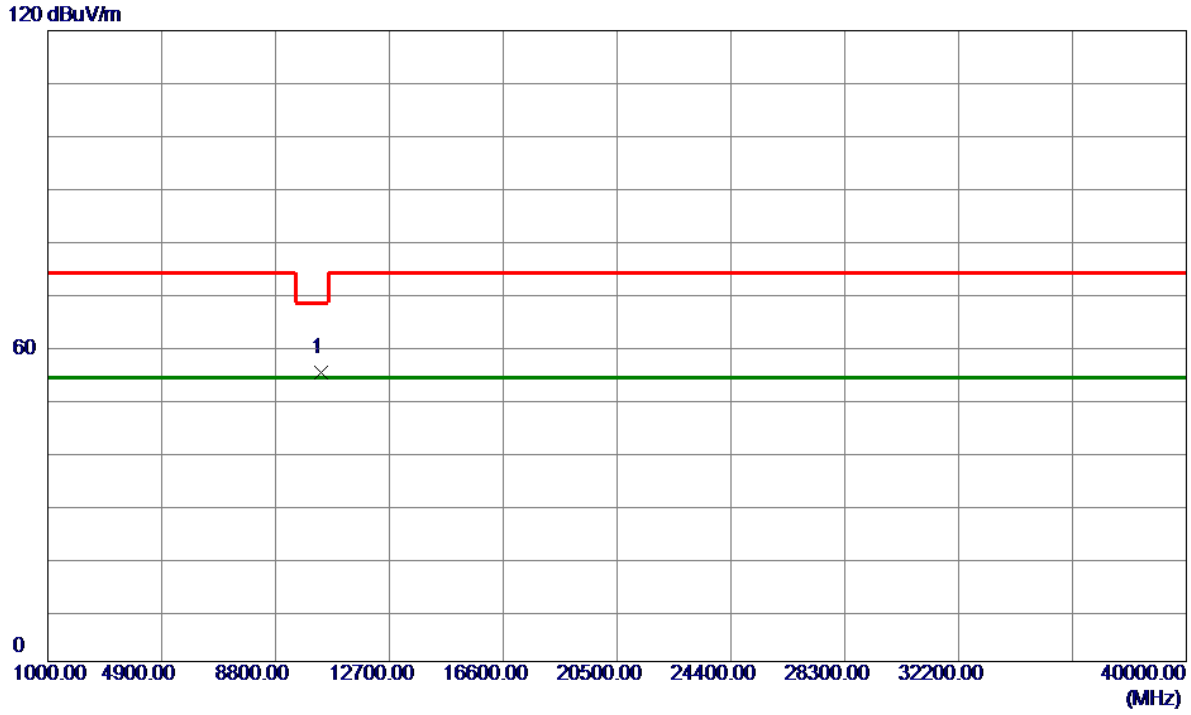
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	15.32	37.54	52.86	74.00	-21.14	Peak	
2	5150.0000	2.78	37.54	40.32	54.00	-13.68	AVG	
3	5190.0000	57.26	37.59	94.85	74.00	20.85	Peak	
4 *	5190.0000	46.77	37.59	84.36	54.00	30.36	AVG	

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

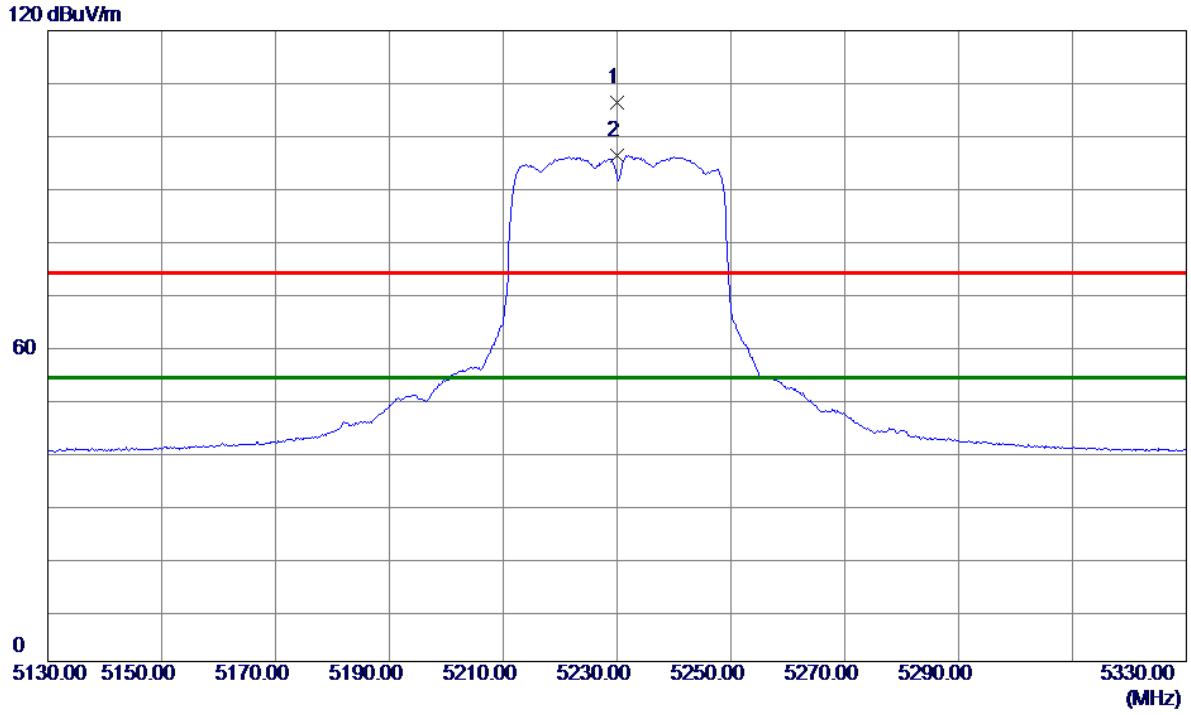
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	53.02	1.94	54.96	68.20	-13.24	Peak	

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

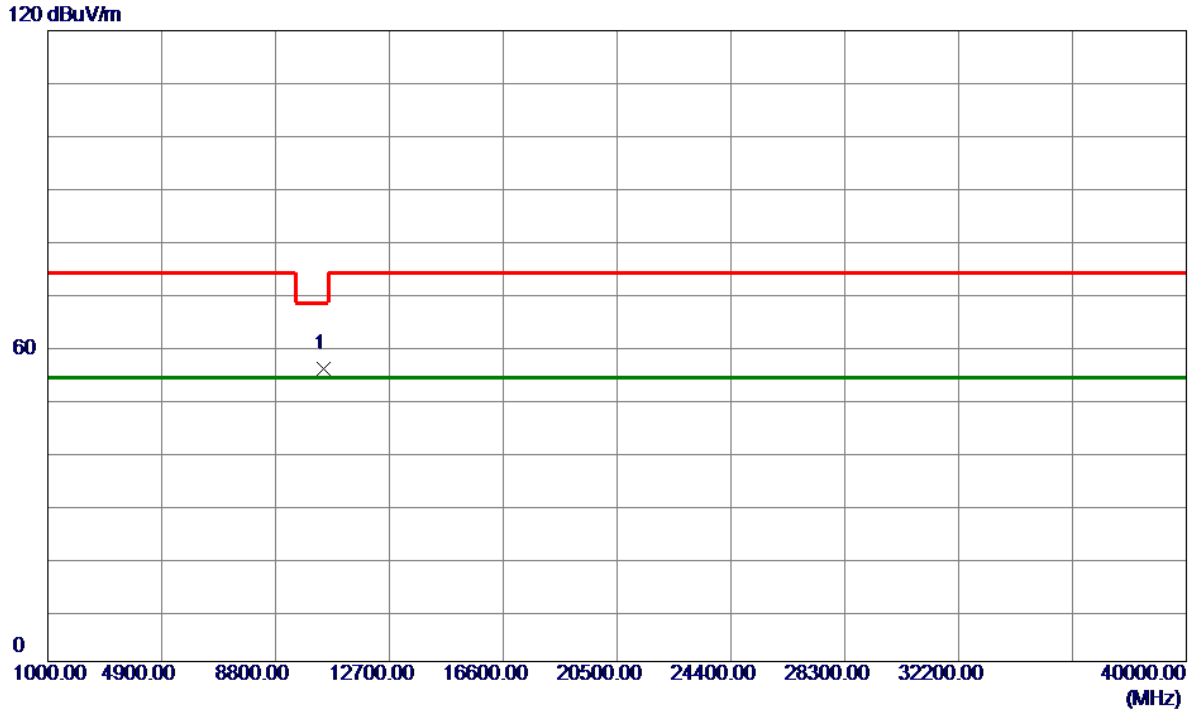
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5230.0000	68.58	37.63	106.21	74.00	32.21	Peak	
2 *	5230.0000	58.59	37.63	96.22	54.00	42.22	AVG	

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

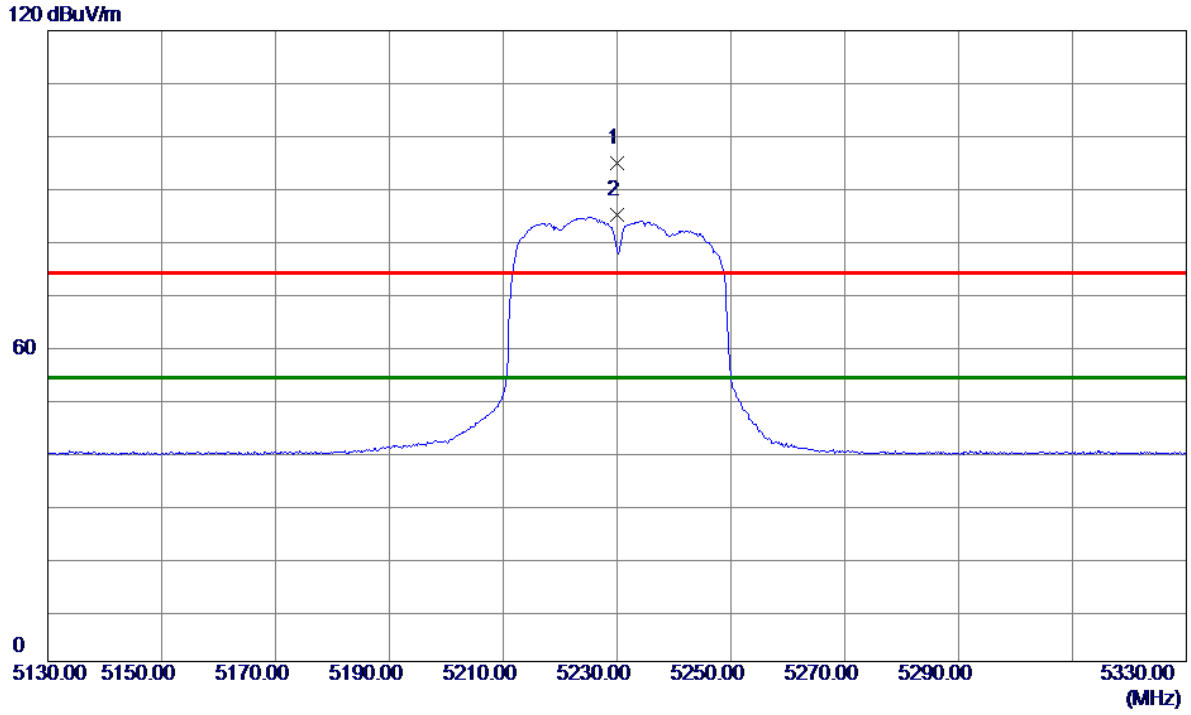
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.0000	53.77	1.96	55.73	68.20	-12.47	Peak	

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

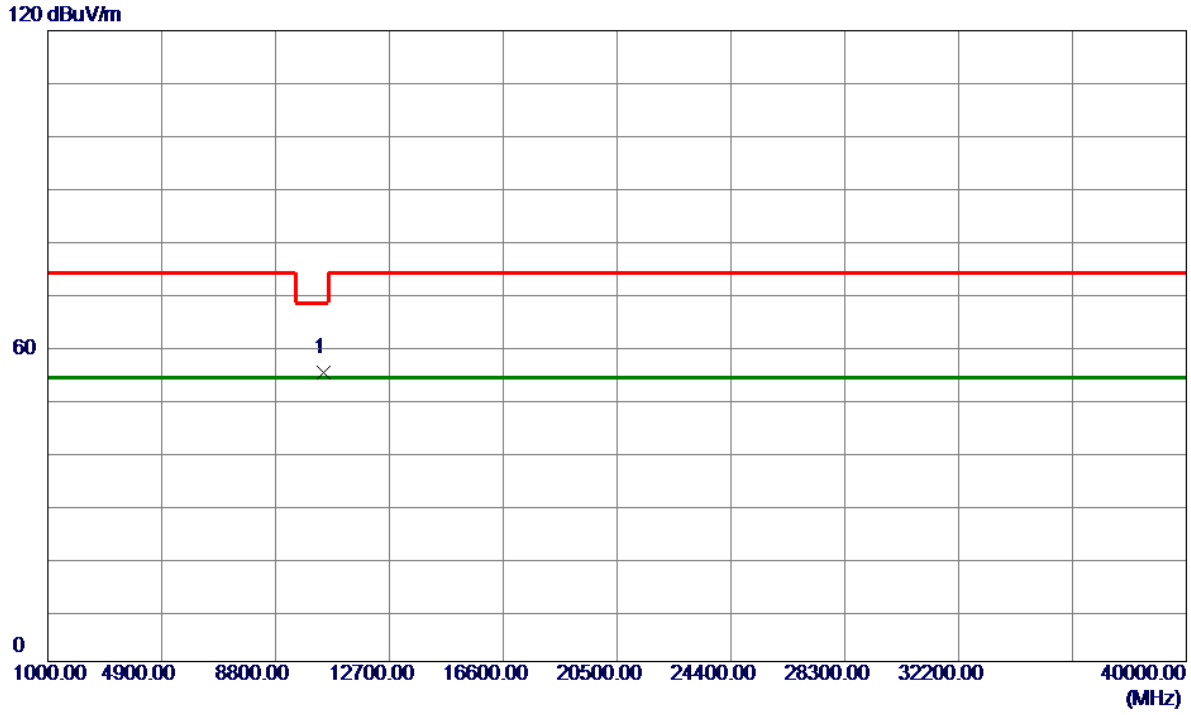
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5230.0000	57.07	37.63	94.70	74.00	20.70	Peak	
2 *	5230.0000	47.26	37.63	84.89	54.00	30.89	AVG	

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

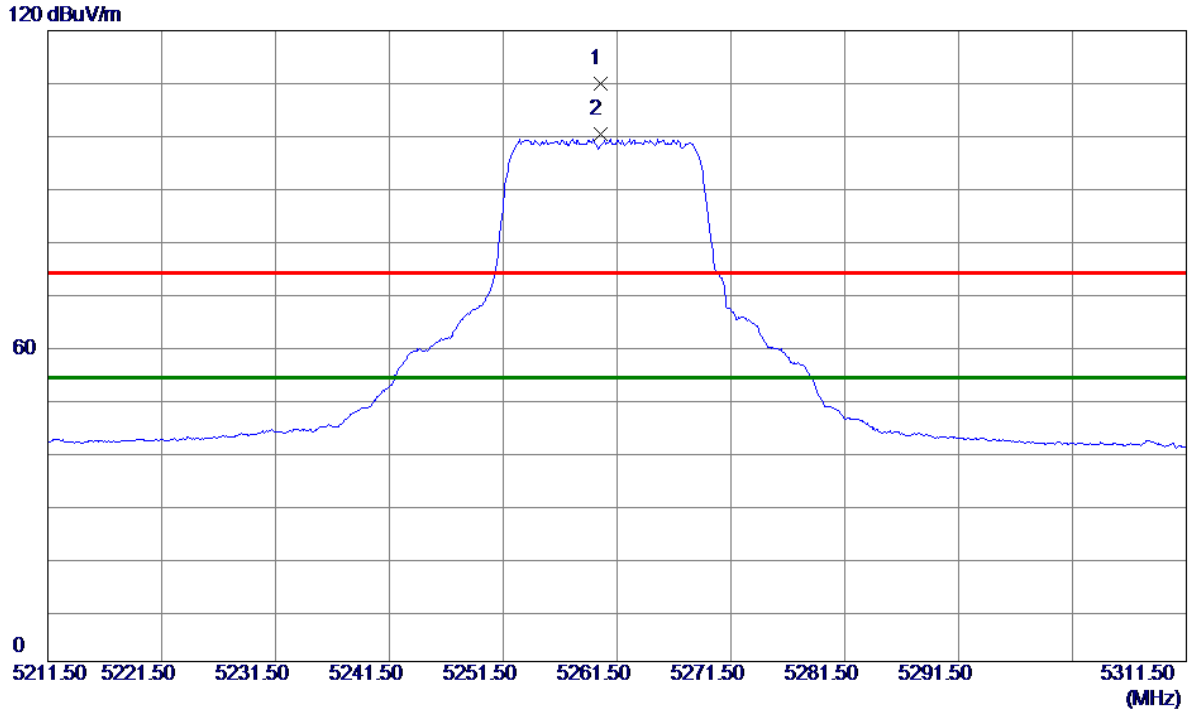
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.0000	52.94	1.96	54.90	68.20	-13.30	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

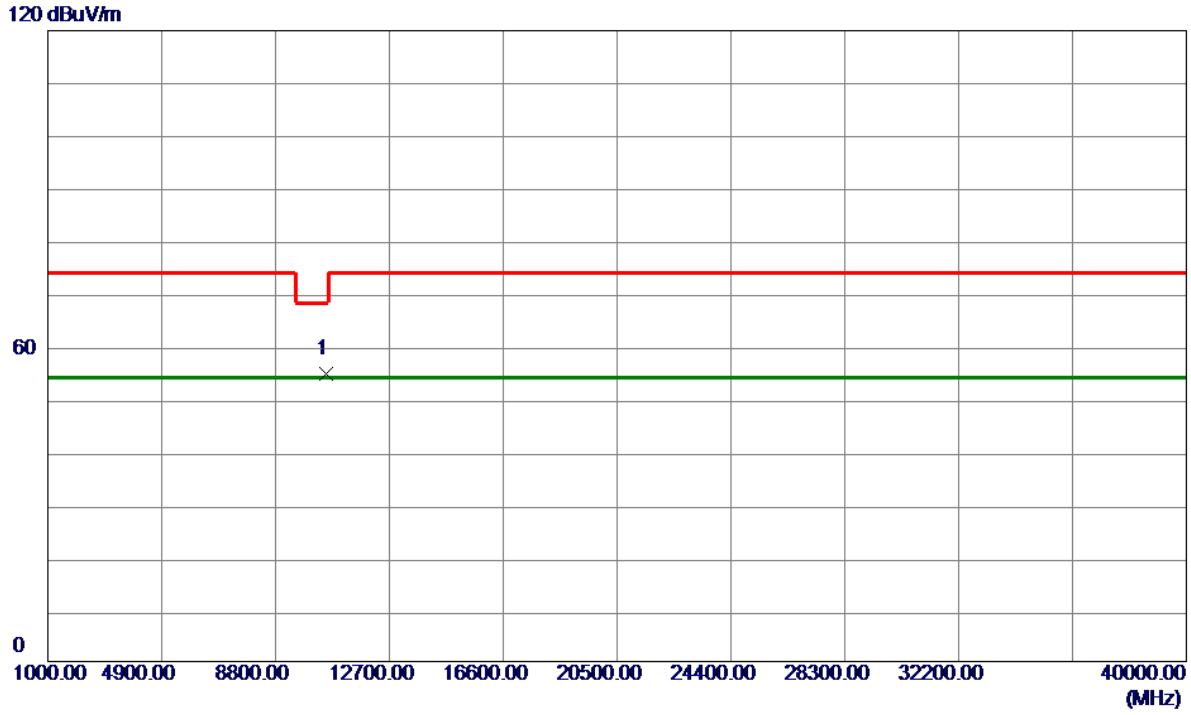
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5260.0000	72.18	37.66	109.84	74.00	35.84	Peak	
2 *	5260.0000	62.59	37.66	100.25	54.00	46.25	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

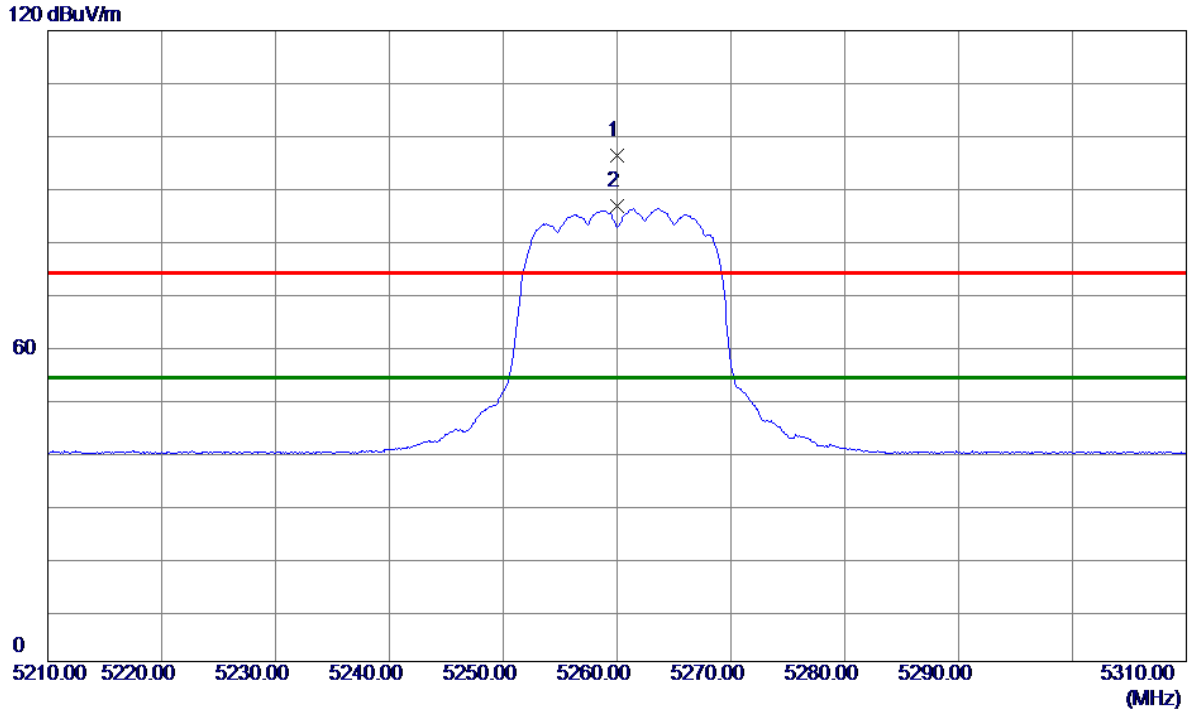
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10520.0000	52.67	2.01	54.68	68.20	-13.52	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

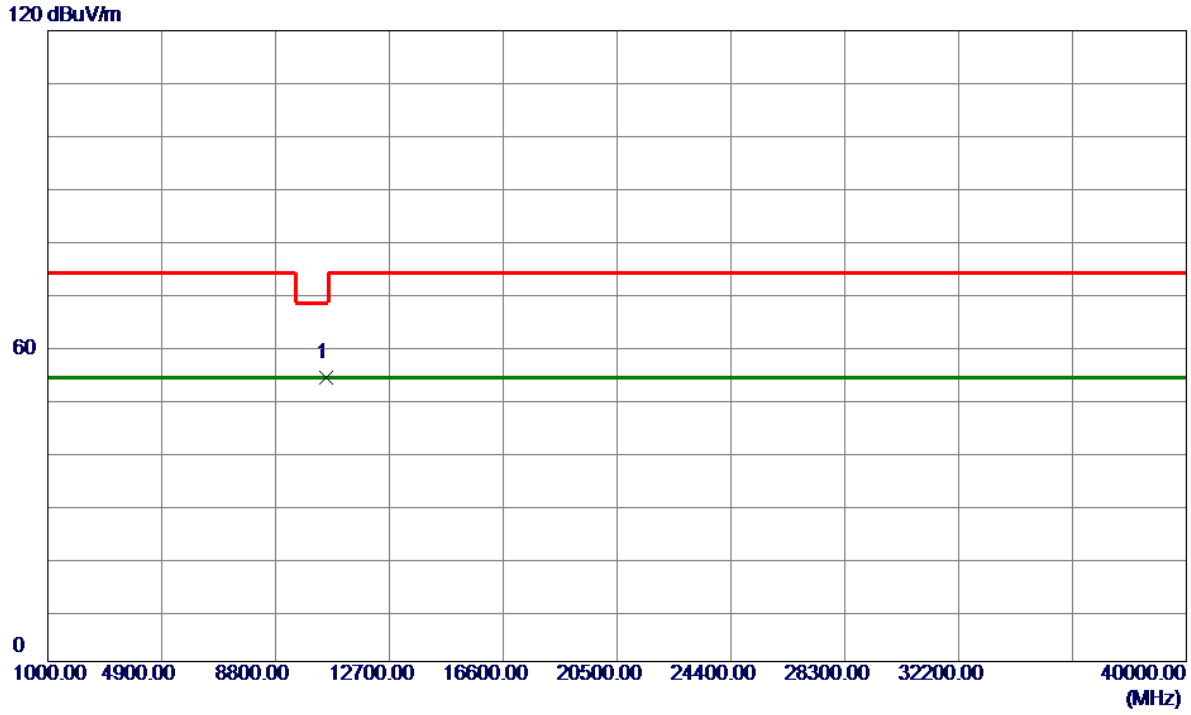
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5260.0000	58.61	37.66	96.27	74.00	22.27	Peak	
2 *	5260.0000	48.98	37.66	86.64	54.00	32.64	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

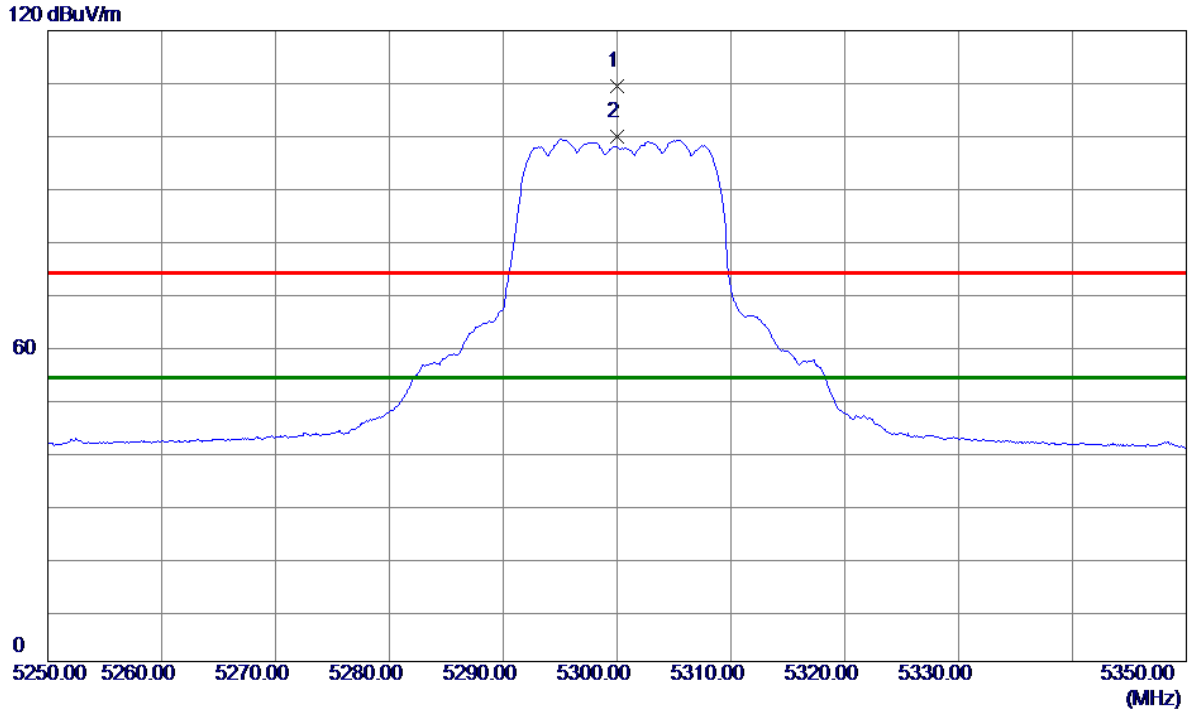
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10520.0000	51.96	2.01	53.97	68.20	-14.23	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

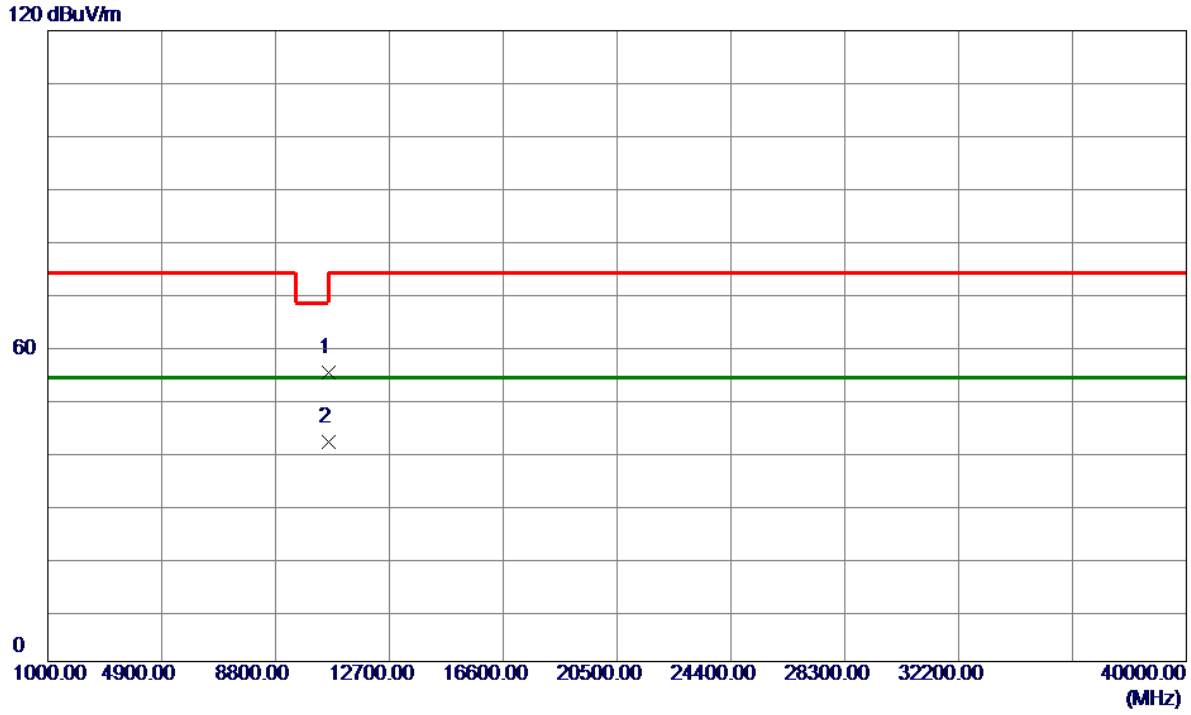
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5300.0000	71.74	37.70	109.44	74.00	35.44	Peak	
2 *	5300.0000	62.20	37.70	99.90	54.00	45.90	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

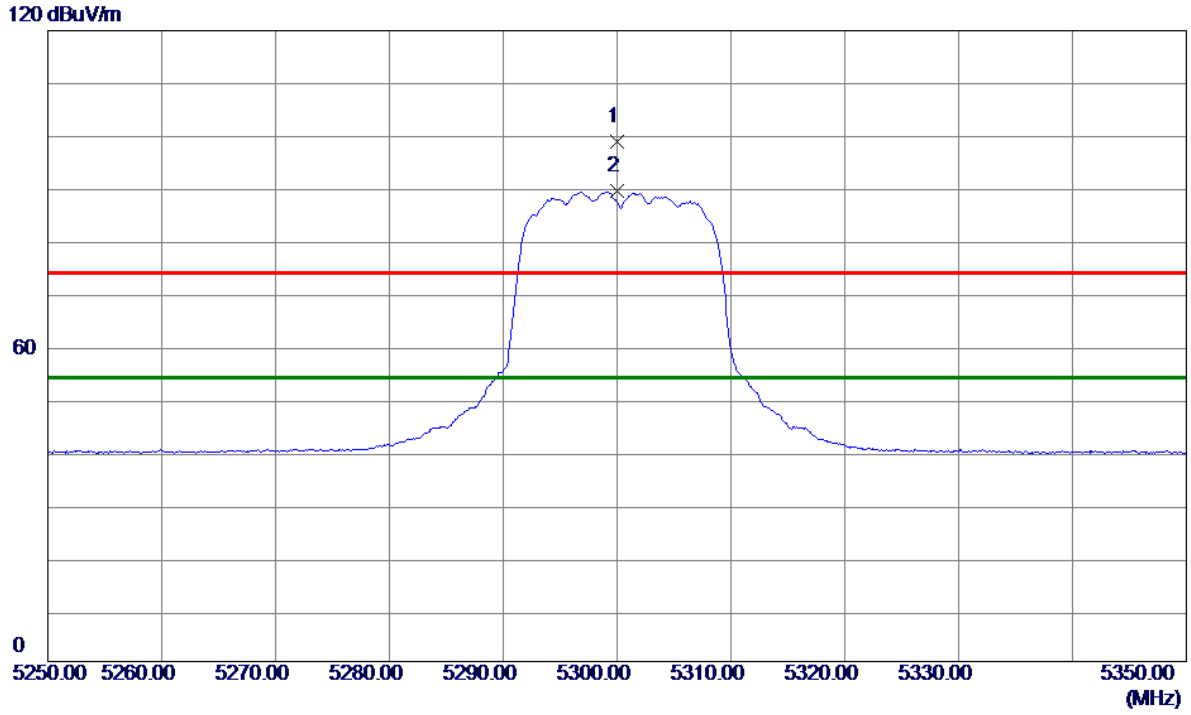
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10600.1000	52.87	2.15	55.02	74.00	-18.98	Peak	
2 *	10600.1000	39.50	2.15	41.65	54.00	-12.35	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

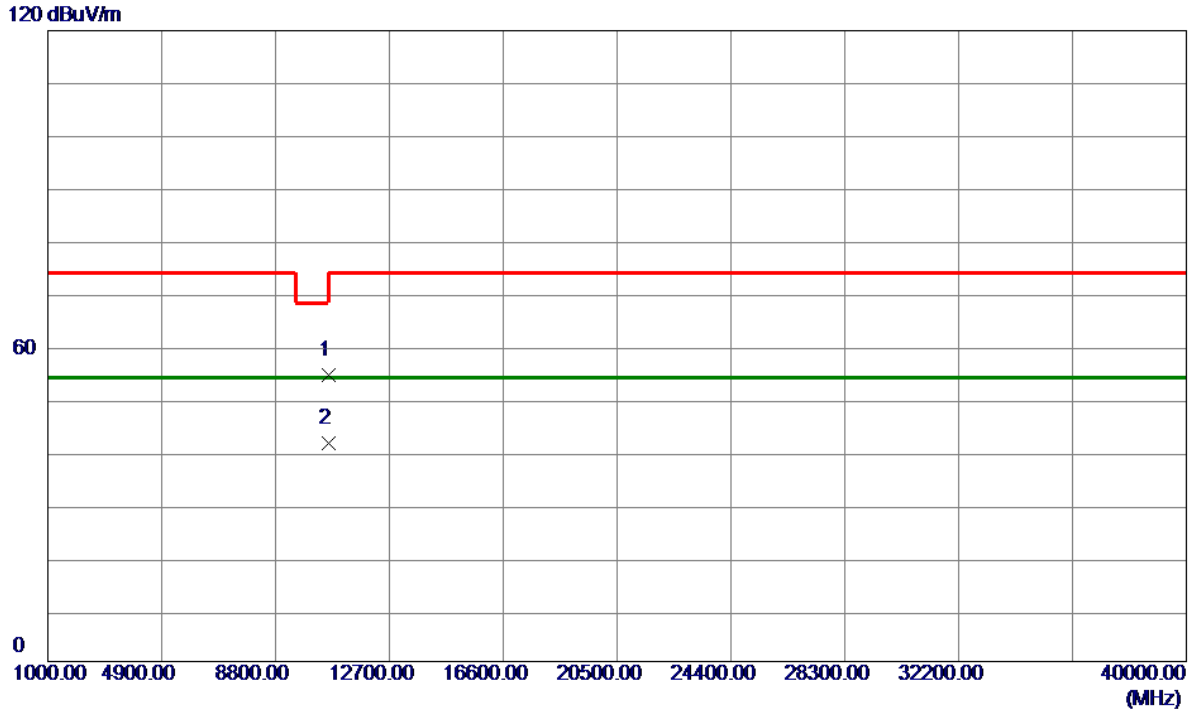
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5300.0000	61.22	37.70	98.92	74.00	24.92	Peak	
2 *	5300.0000	51.77	37.70	89.47	54.00	35.47	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

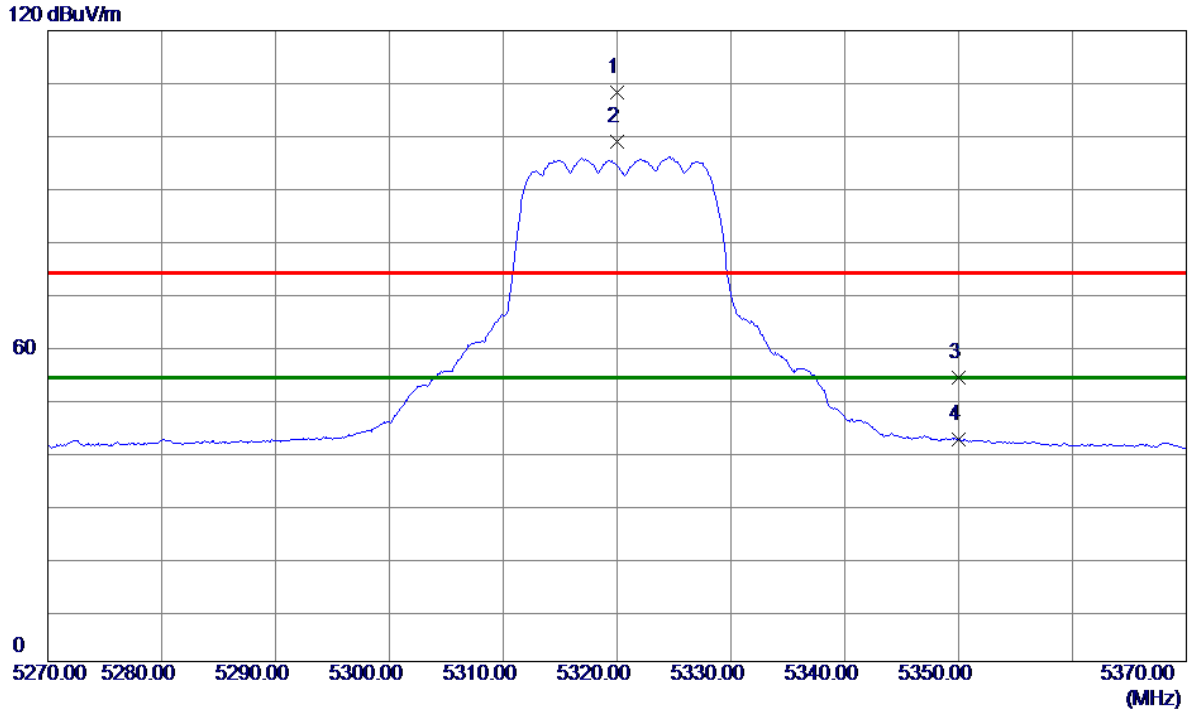
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10600.1000	52.42	2.15	54.57	74.00	-19.43	Peak	
2 *	10600.1000	39.30	2.15	41.45	54.00	-12.55	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

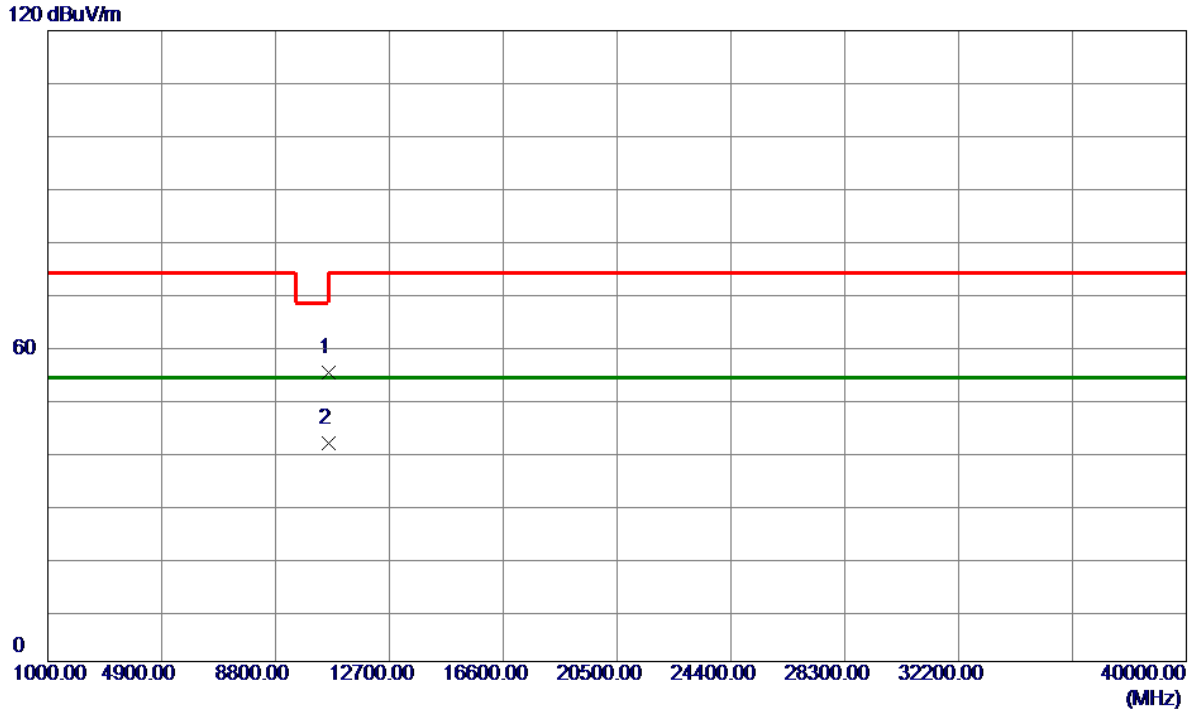
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5320.0000	70.46	37.73	108.19	74.00	34.19	Peak	
2 *	5320.0000	61.04	37.73	98.77	54.00	44.77	AVG	
3	5350.0000	16.35	37.76	54.11	74.00	-19.89	Peak	
4	5350.0000	4.47	37.76	42.23	54.00	-11.77	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

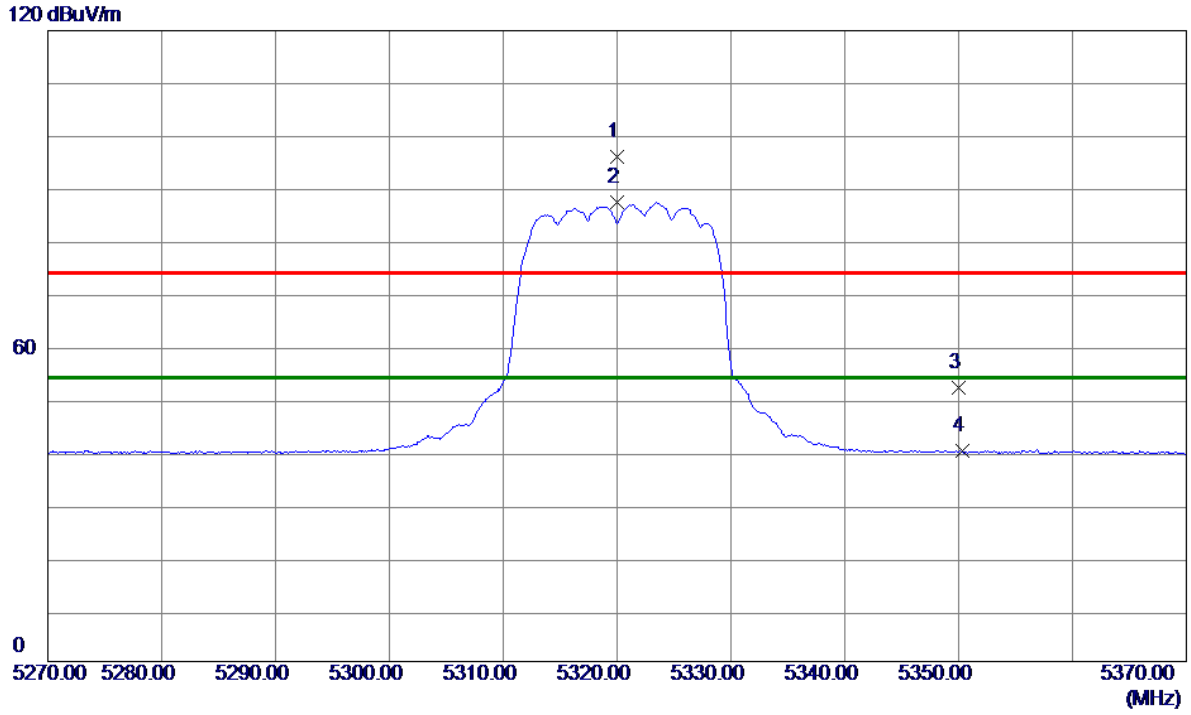
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10640.0000	52.75	2.22	54.97	74.00	-19.03	Peak	
2 *	10640.0000	39.28	2.22	41.50	54.00	-12.50	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

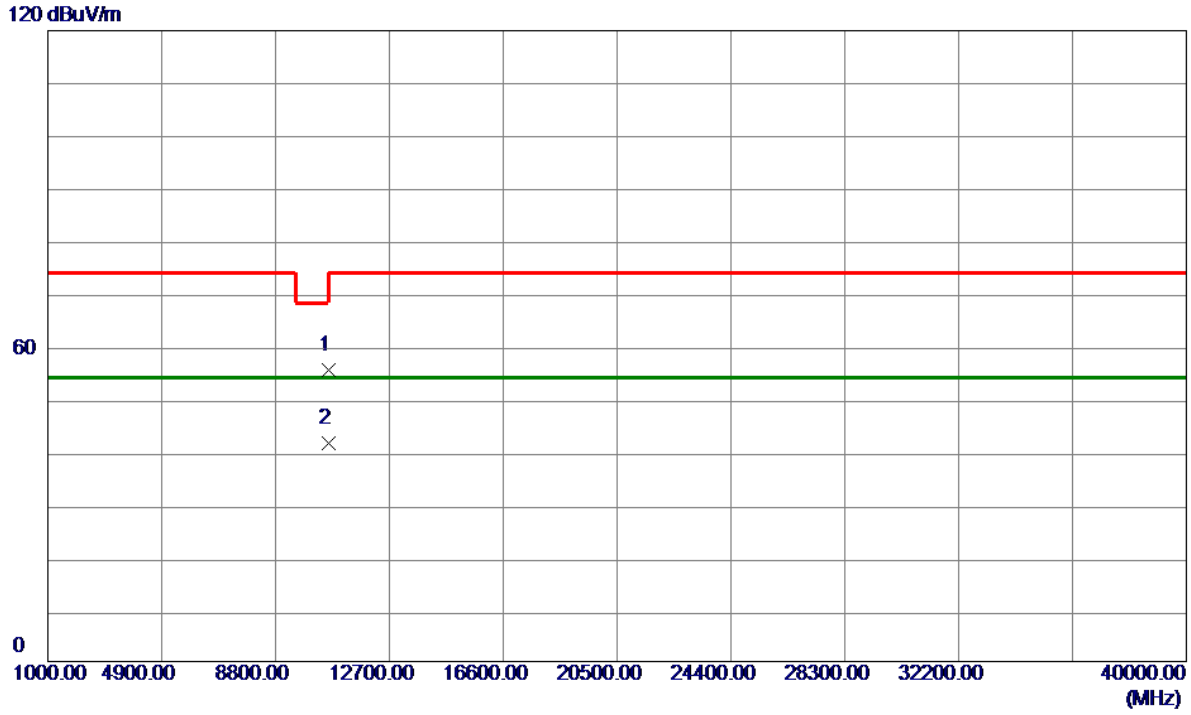
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5320.0000	58.29	37.73	96.02	74.00	22.02	Peak	
2 *	5320.0000	49.71	37.73	87.44	54.00	33.44	AVG	
3	5350.0000	14.28	37.76	52.04	74.00	-21.96	Peak	
4	5350.2799	2.29	37.76	40.05	54.00	-13.95	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

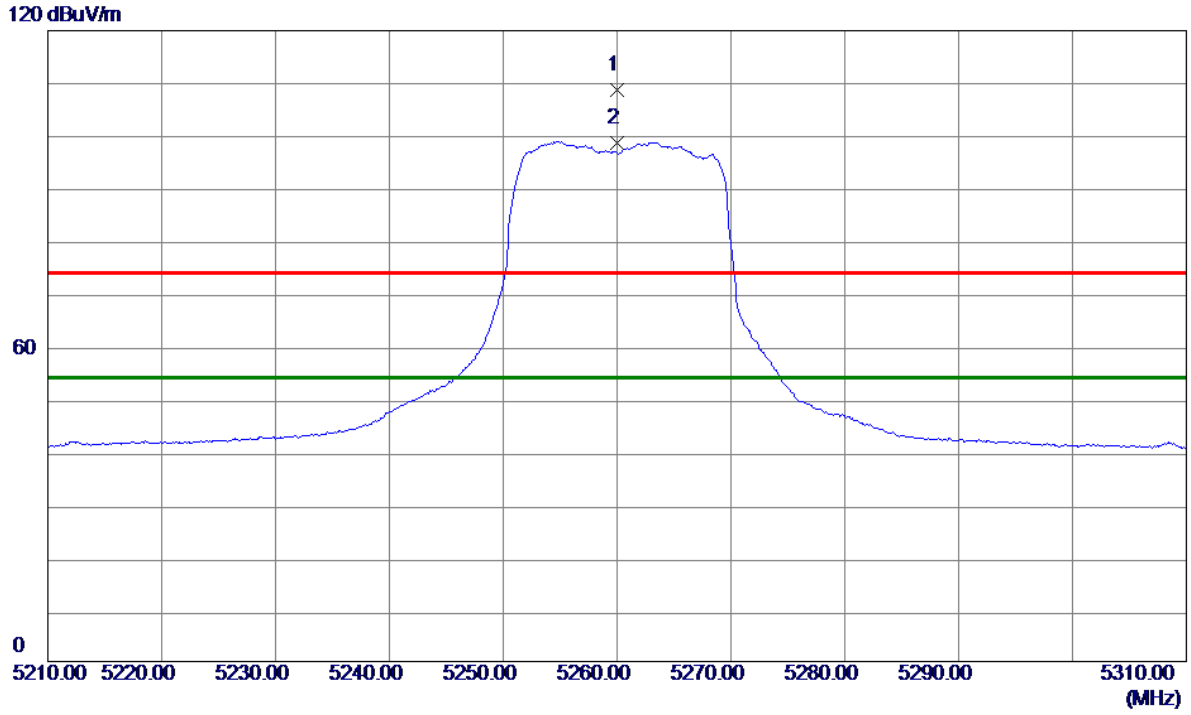
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10640.0000	53.29	2.22	55.51	74.00	-18.49	Peak	
2 *	10640.0000	39.34	2.22	41.56	54.00	-12.44	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

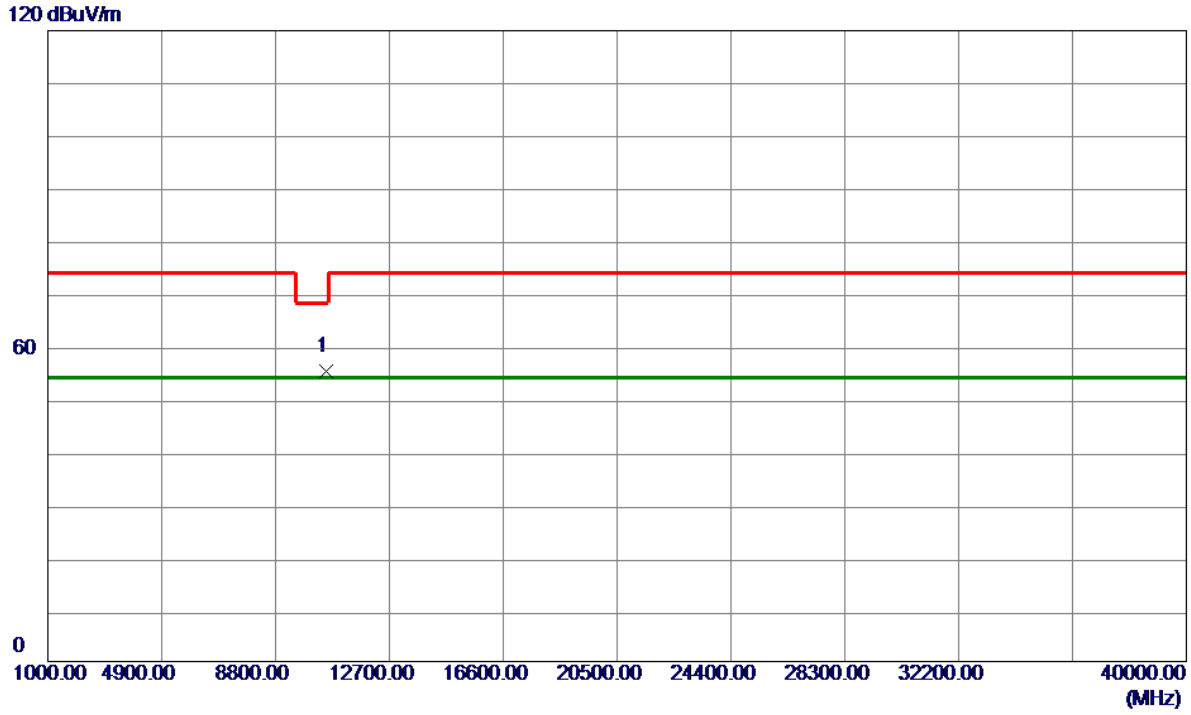
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5260.0000	71.00	37.66	108.66	74.00	34.66	Peak	
2 *	5260.0000	61.06	37.66	98.72	54.00	44.72	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

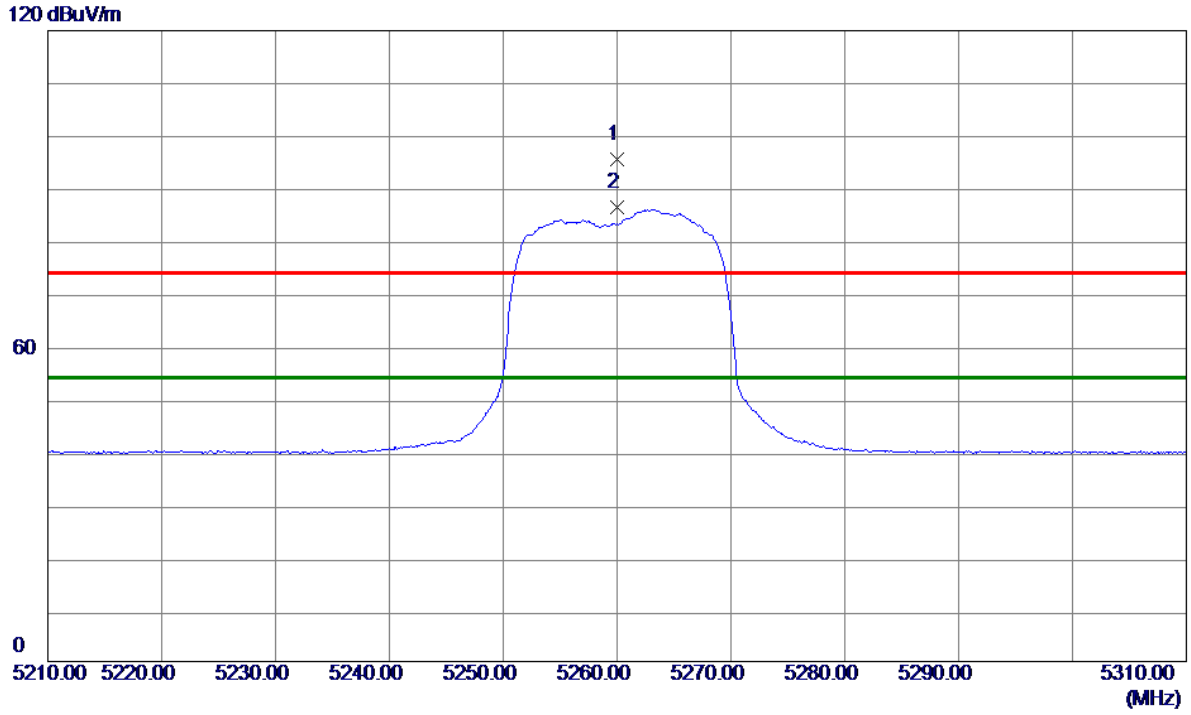
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10520.0000	53.10	2.01	55.11	68.20	-13.09	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

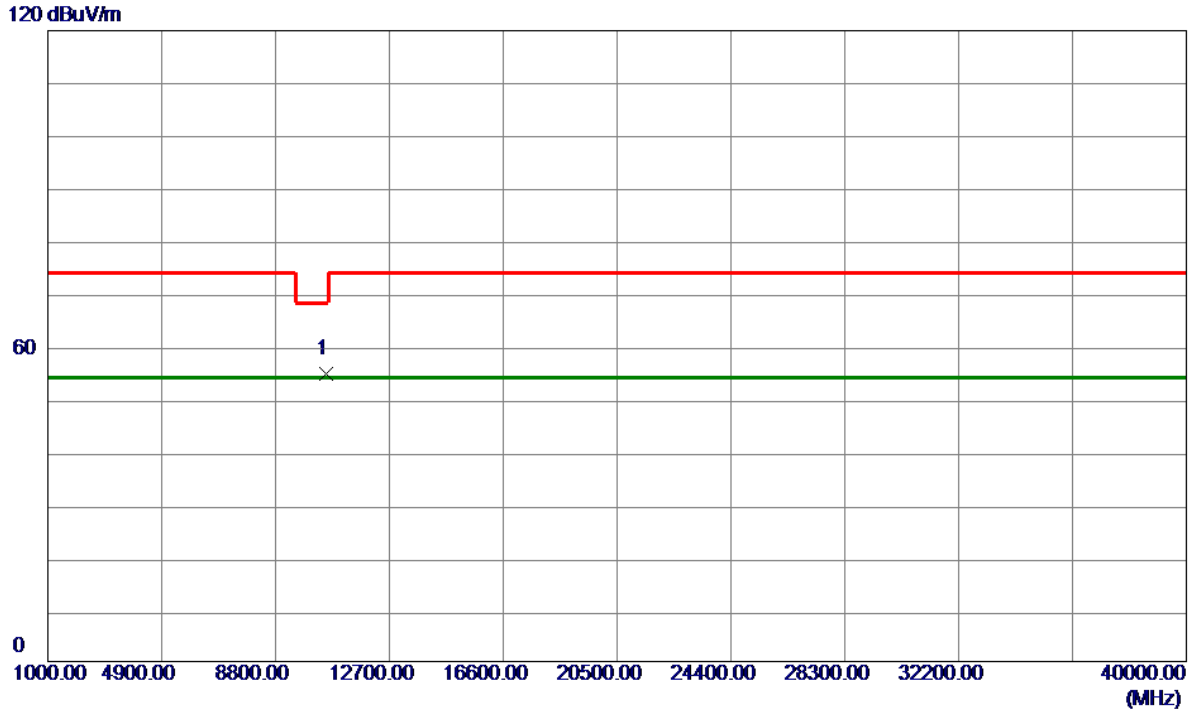
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5260.0000	57.83	37.66	95.49	74.00	21.49	Peak	
2 *	5260.0000	48.75	37.66	86.41	54.00	32.41	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

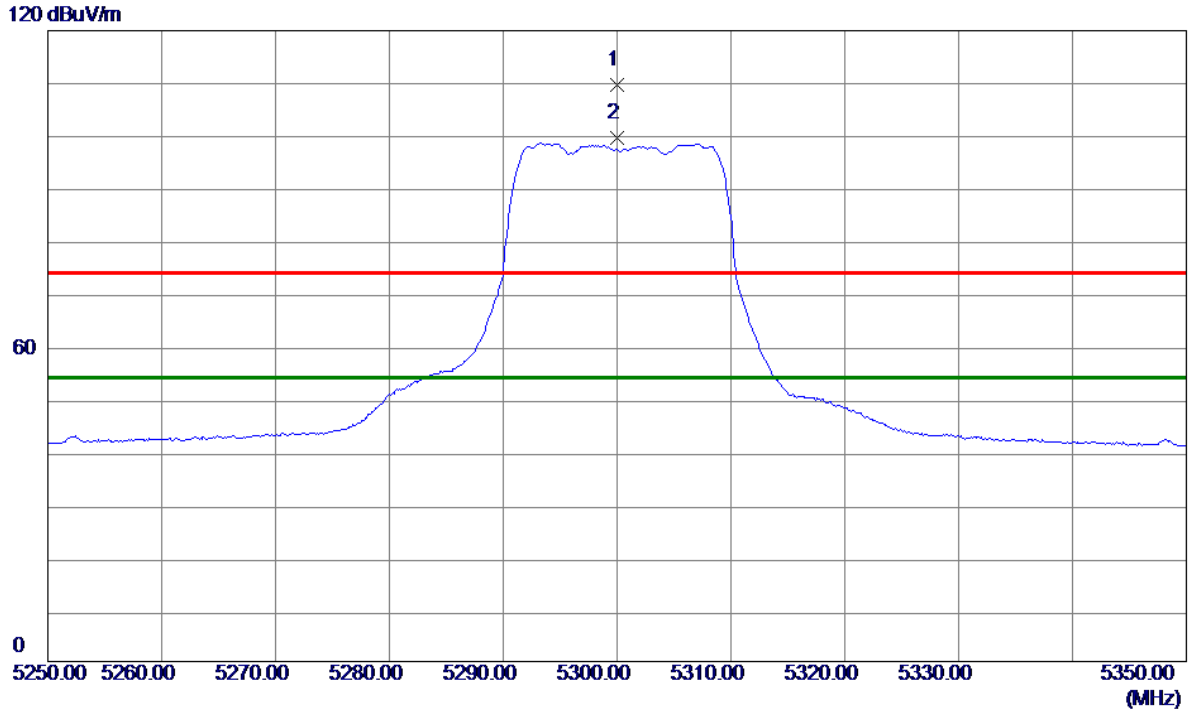
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10520.0000	52.76	2.01	54.77	68.20	-13.43	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

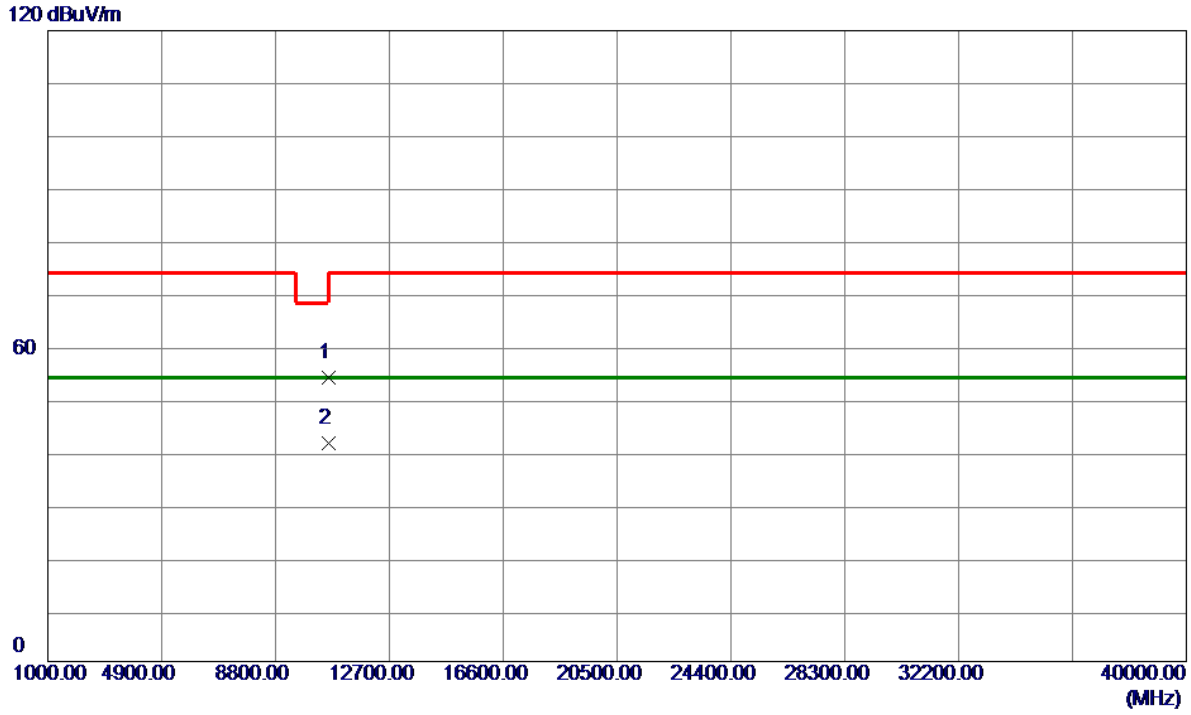
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5300.0000	72.00	37.70	109.70	74.00	35.70	Peak	
2 *	5300.0000	61.93	37.70	99.63	54.00	45.63	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

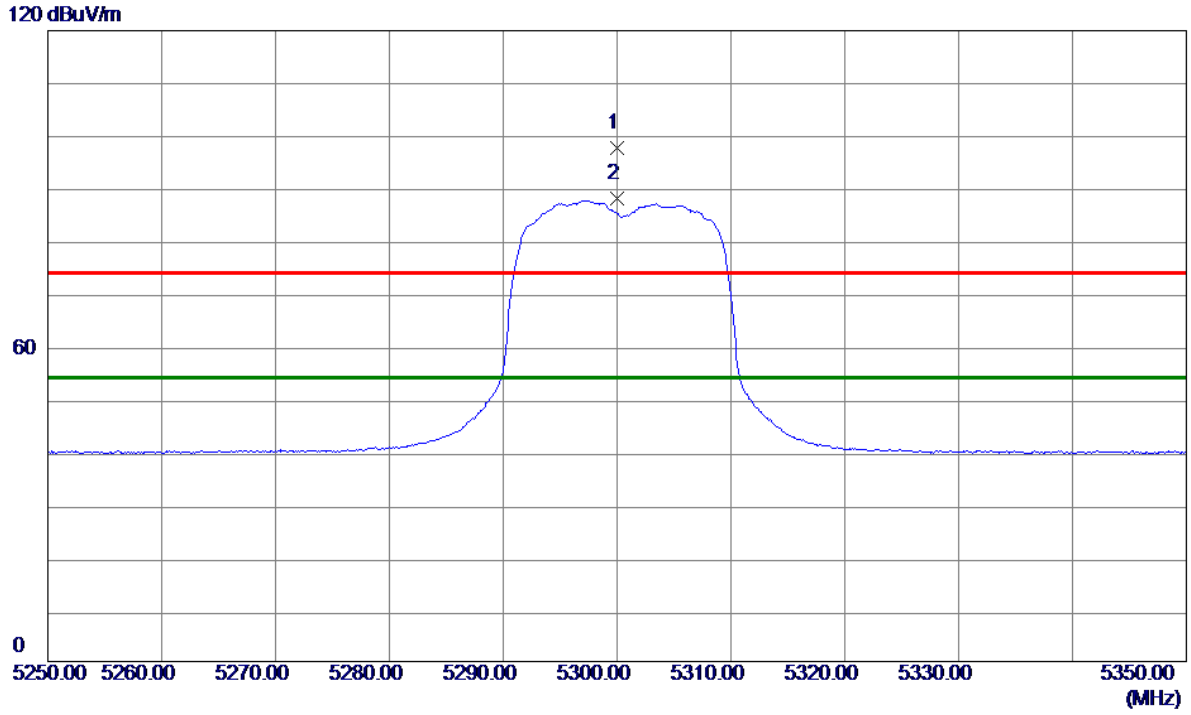
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10600.1000	51.93	2.15	54.08	74.00	-19.92	Peak	
2 *	10600.1000	39.46	2.15	41.61	54.00	-12.39	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

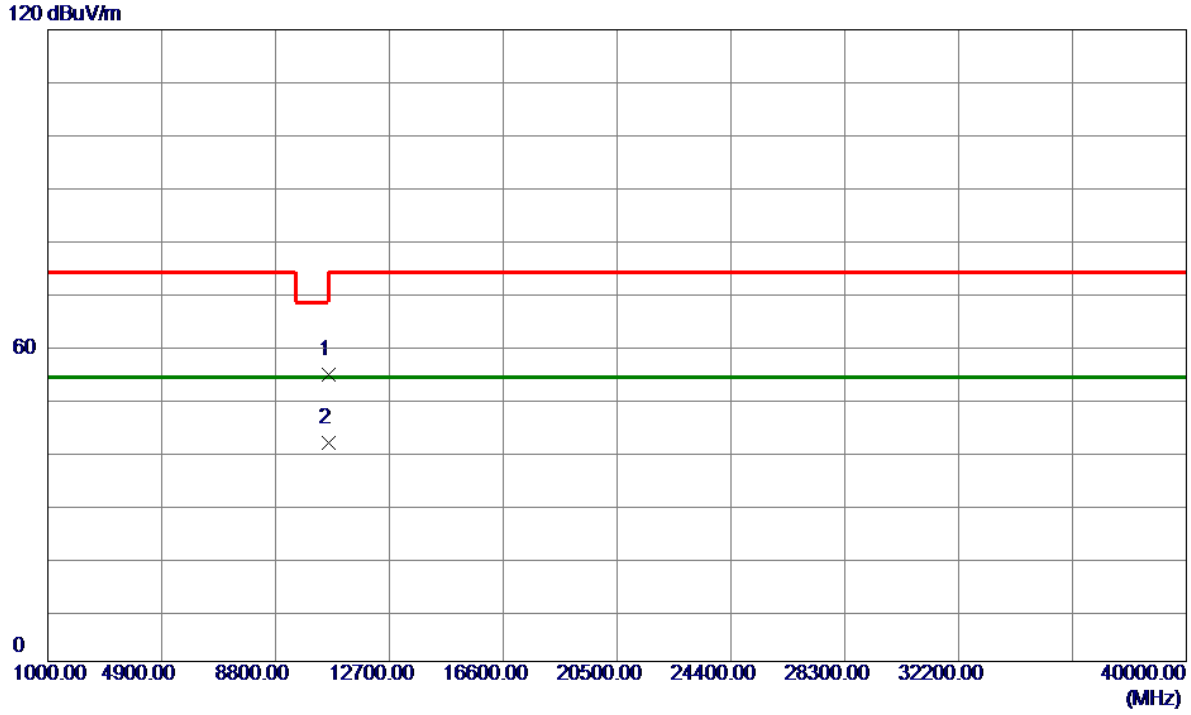
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5300.0000	59.86	37.70	97.56	74.00	23.56	Peak	
2 *	5300.0000	50.37	37.70	88.07	54.00	34.07	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

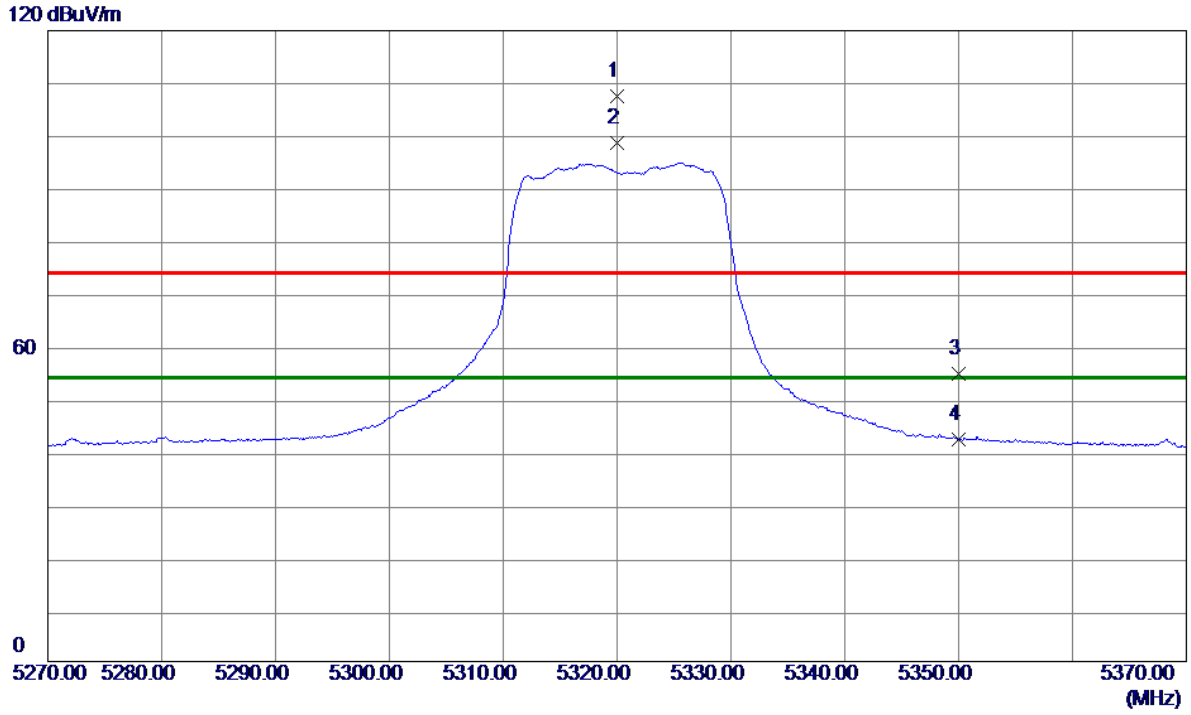
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10600.1000	52.41	2.15	54.56	74.00	-19.44	Peak	
2 *	10600.1000	39.47	2.15	41.62	54.00	-12.38	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

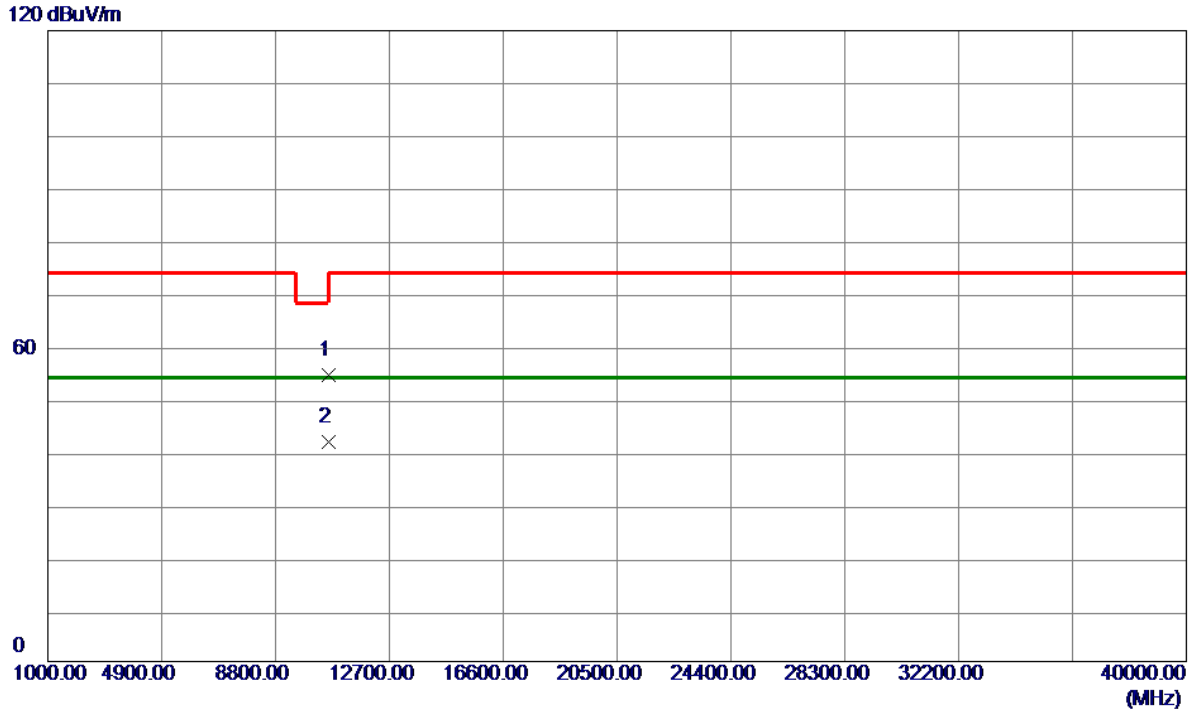
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5320.0000	69.72	37.73	107.45	74.00	33.45	Peak	
2 *	5320.0000	60.90	37.73	98.63	54.00	44.63	AVG	
3	5350.0000	16.96	37.76	54.72	74.00	-19.28	Peak	
4	5350.0000	4.59	37.76	42.35	54.00	-11.65	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

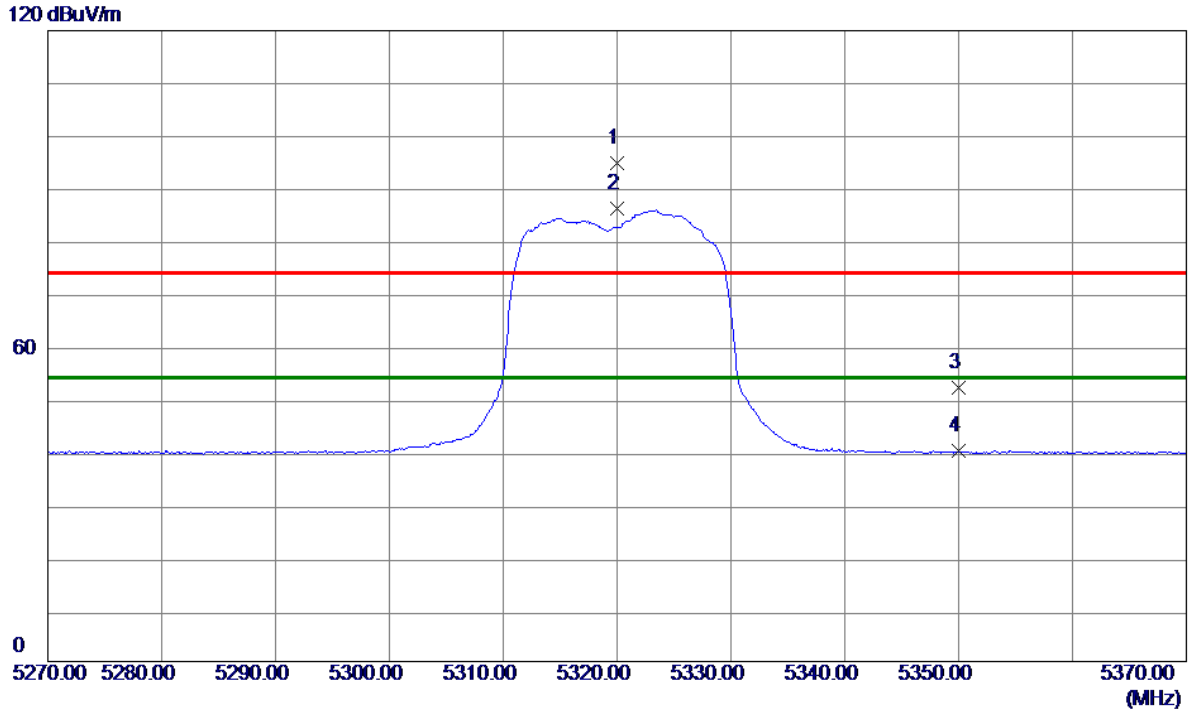
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10640.0000	52.15	2.22	54.37	74.00	-19.63	Peak	
2 *	10640.0000	39.51	2.22	41.73	54.00	-12.27	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

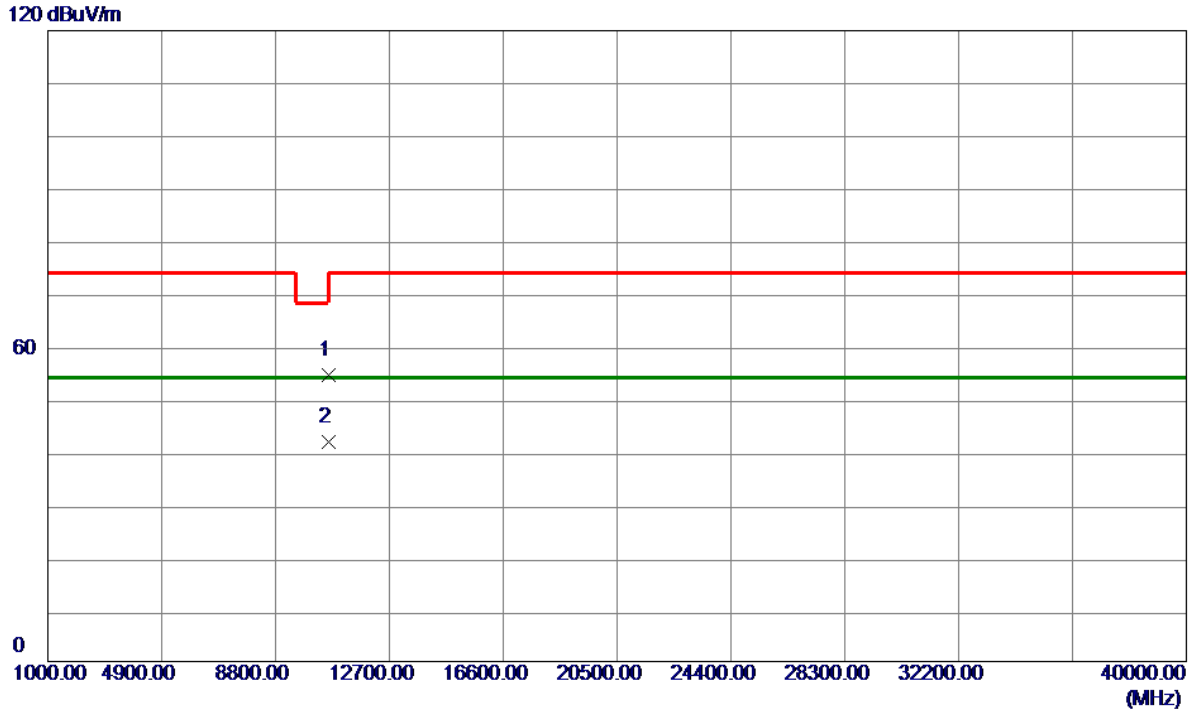
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5320.0000	57.02	37.73	94.75	74.00	20.75	Peak	
2 *	5320.0000	48.54	37.73	86.27	54.00	32.27	AVG	
3	5350.0000	14.29	37.76	52.05	74.00	-21.95	Peak	
4	5350.0000	2.35	37.76	40.11	54.00	-13.89	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

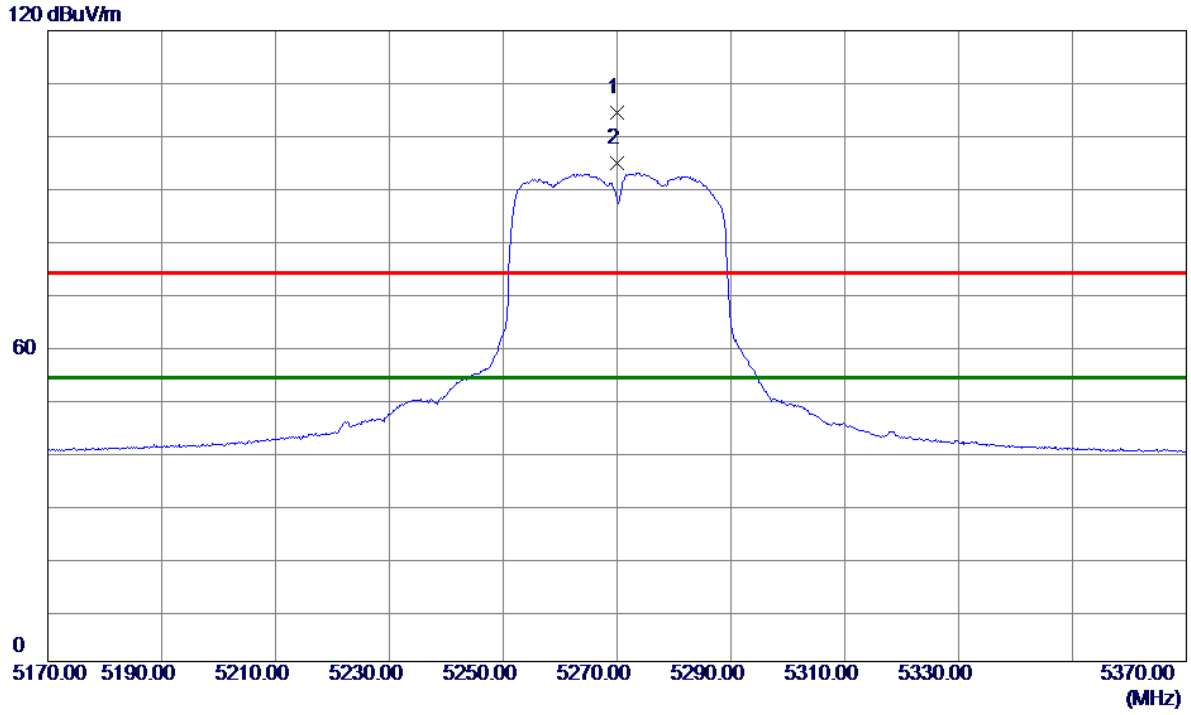
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10640.0000	52.24	2.22	54.46	74.00	-19.54	Peak	
2 *	10640.0000	39.43	2.22	41.65	54.00	-12.35	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

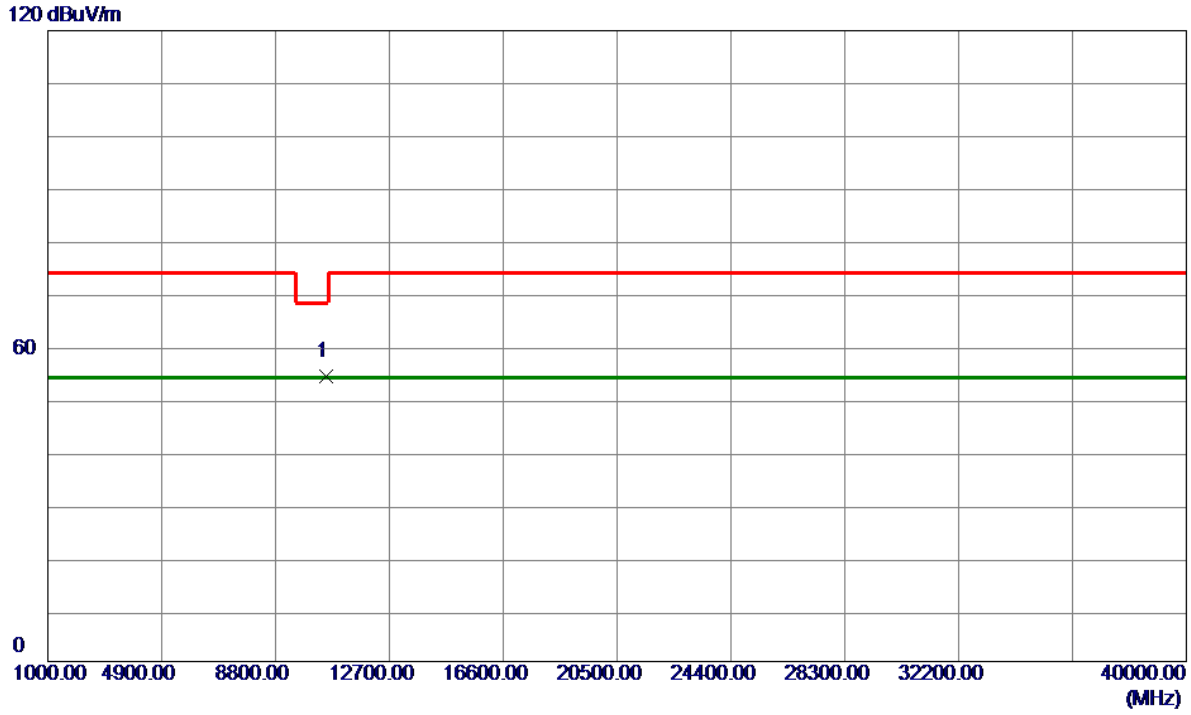
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5270.0000	66.70	37.67	104.37	74.00	30.37	Peak	
2 *	5270.0000	57.19	37.67	94.86	54.00	40.86	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

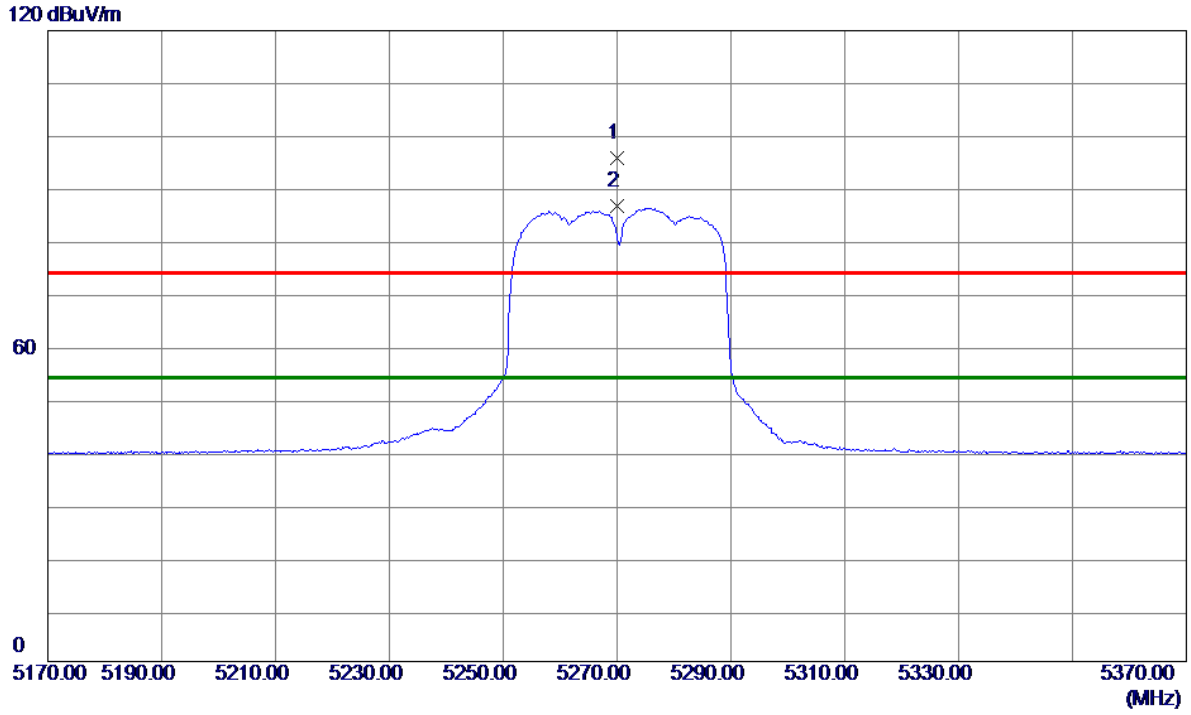
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10540.0000	52.27	2.04	54.31	68.20	-13.89	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

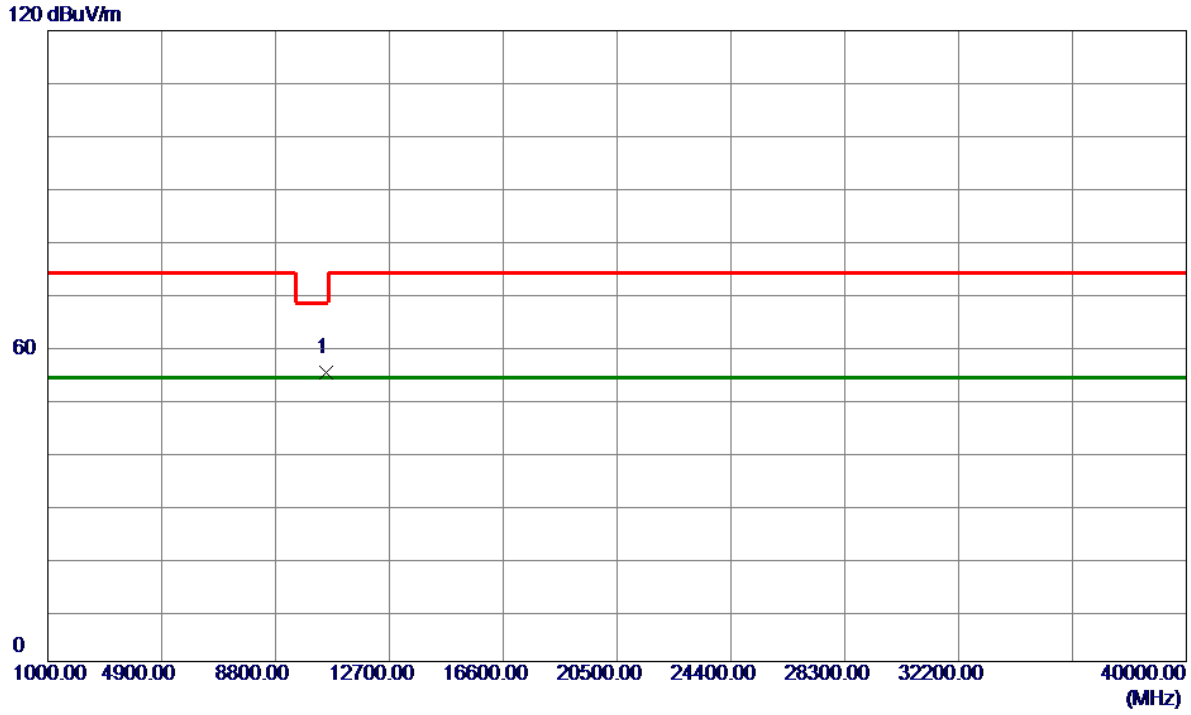
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5270.0000	58.08	37.67	95.75	74.00	21.75	Peak	
2 *	5270.0000	48.89	37.67	86.56	54.00	32.56	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

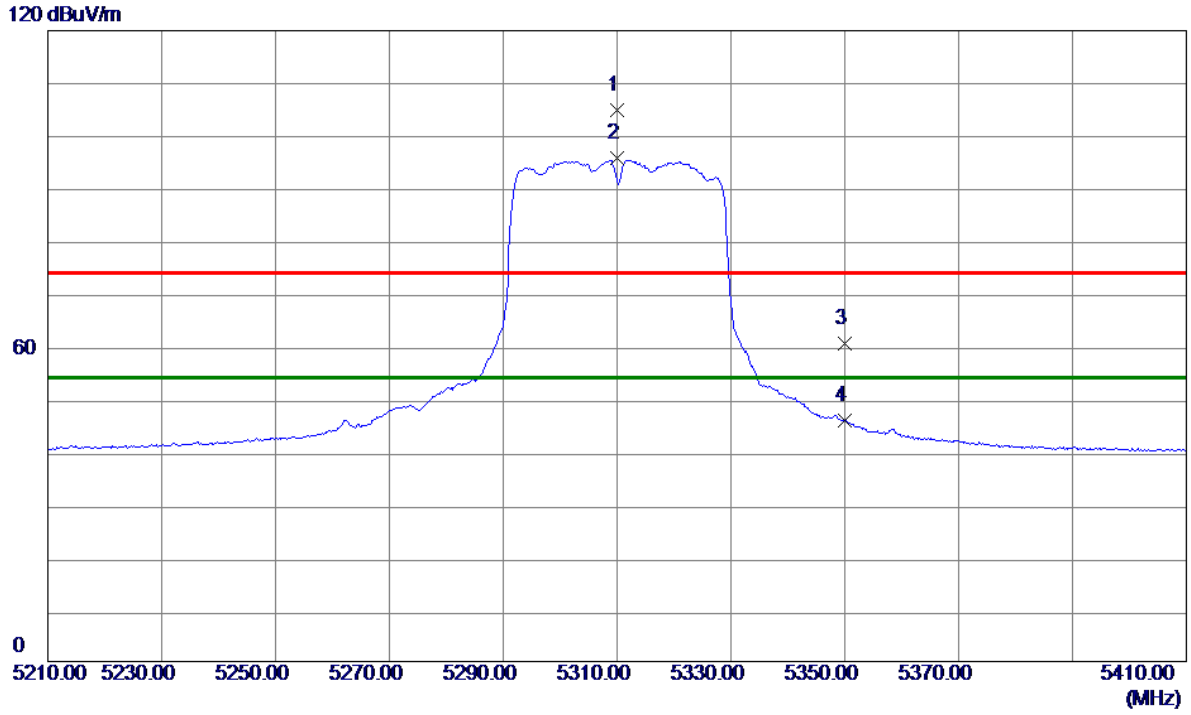
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10540.0000	52.86	2.04	54.90	68.20	-13.30	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

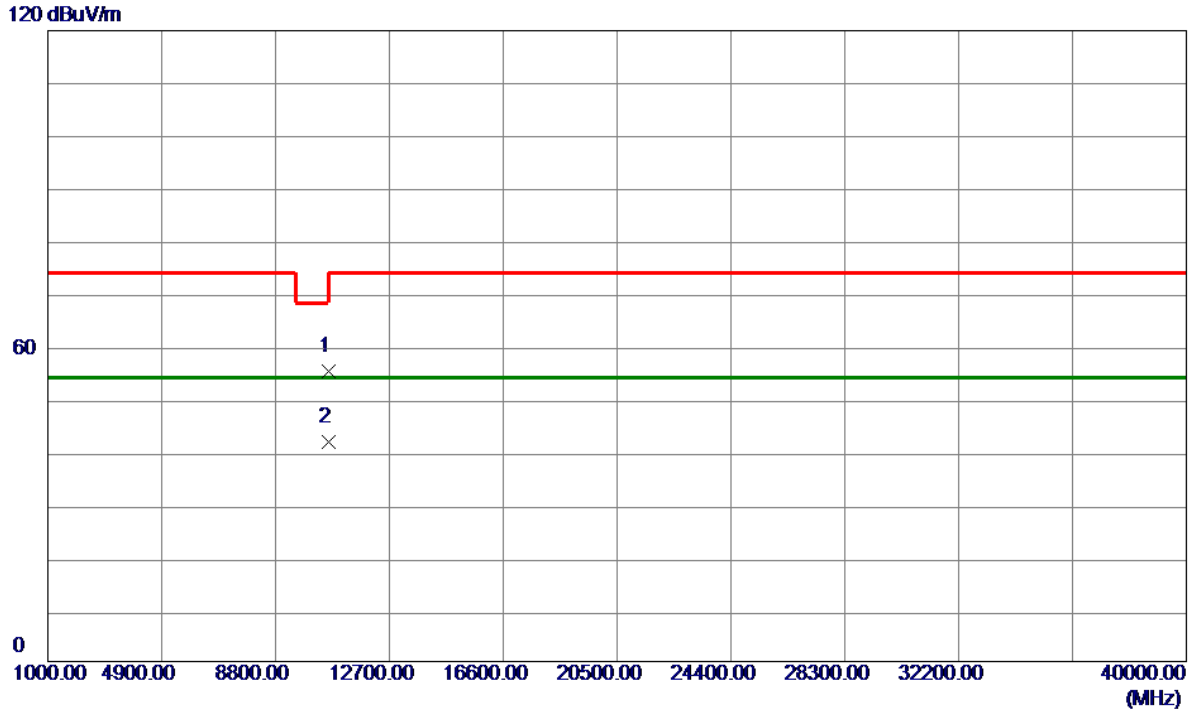
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5310.0000	67.22	37.71	104.93	74.00	30.93	Peak	
2 *	5310.0000	58.04	37.71	95.75	54.00	41.75	AVG	
3	5350.0000	22.78	37.76	60.54	74.00	-13.46	Peak	
4	5350.0000	8.19	37.76	45.95	54.00	-8.05	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

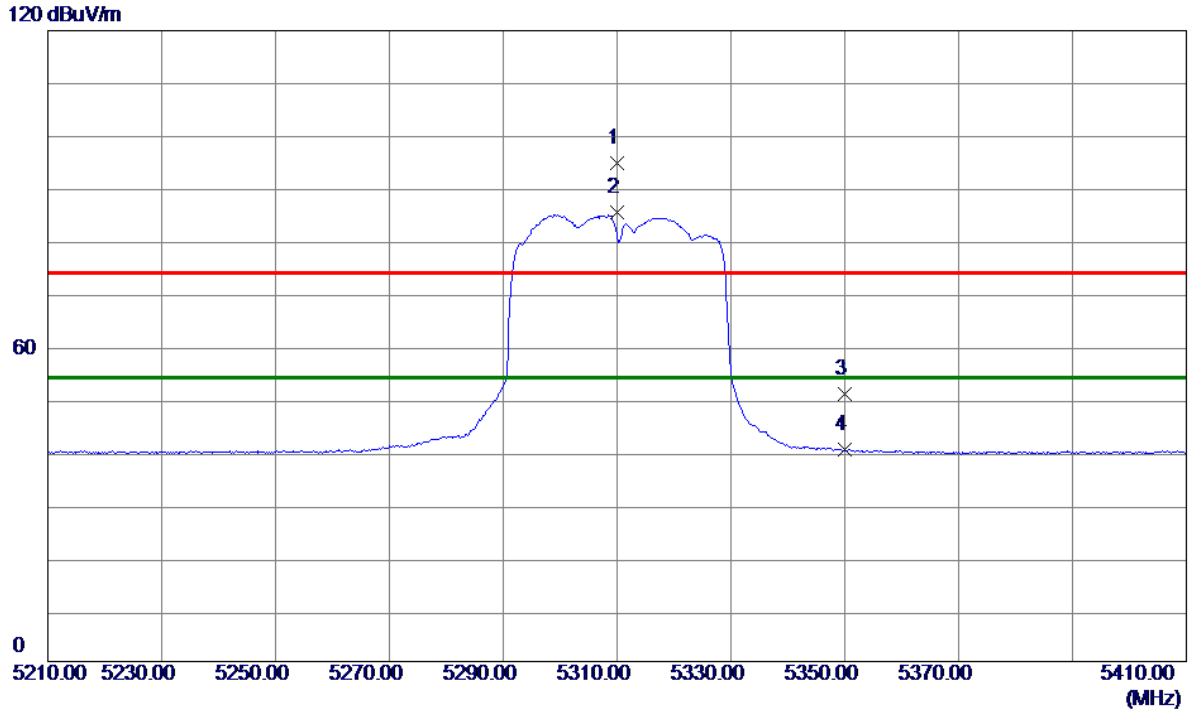
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10620.0000	53.10	2.18	55.28	74.00	-18.72	Peak	
2 *	10620.0000	39.58	2.18	41.76	54.00	-12.24	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

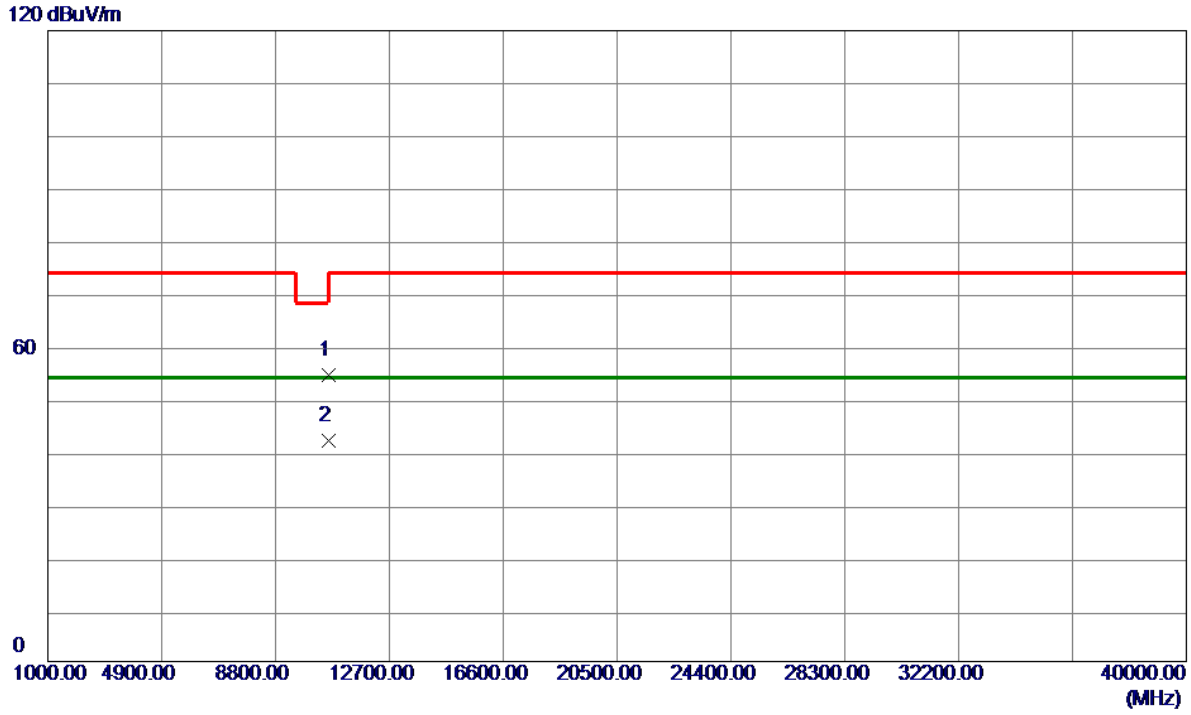
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5310.0000	57.07	37.71	94.78	74.00	20.78	Peak	
2 *	5310.0000	47.64	37.71	85.35	54.00	31.35	AVG	
3	5350.0000	13.17	37.76	50.93	74.00	-23.07	Peak	
4	5350.0000	2.59	37.76	40.35	54.00	-13.65	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

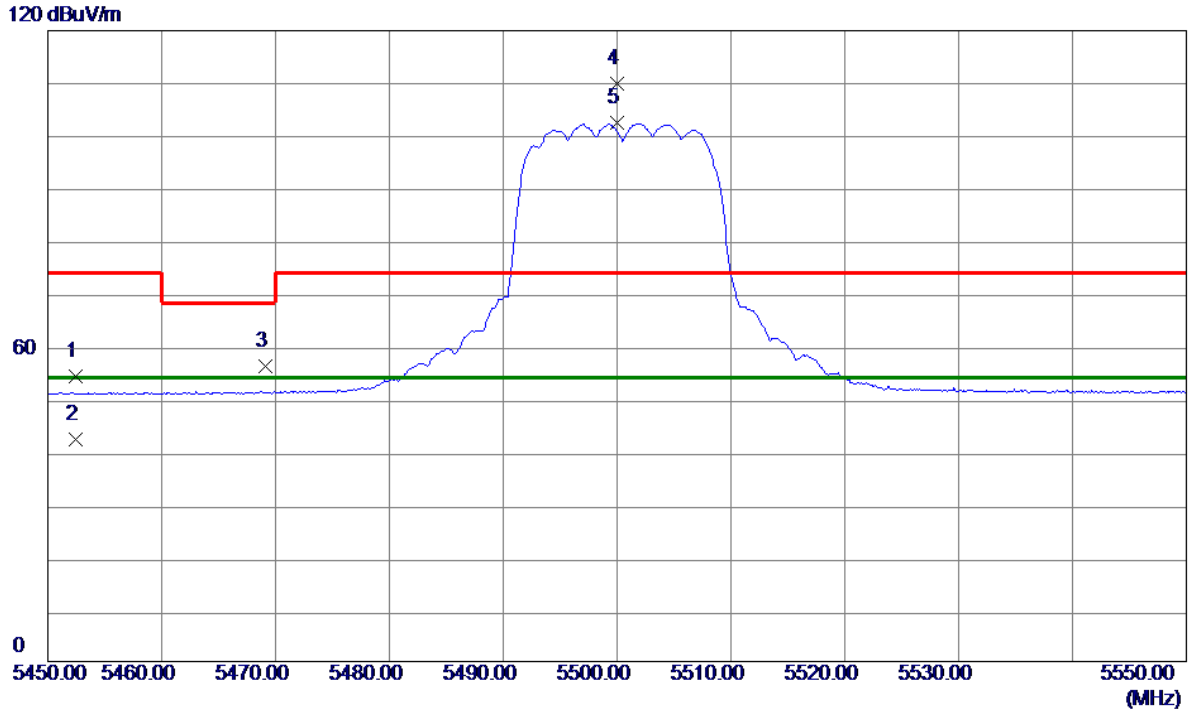
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10620.0000	52.23	2.18	54.41	74.00	-19.59	Peak	
2 *	10620.0000	39.77	2.18	41.95	54.00	-12.05	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

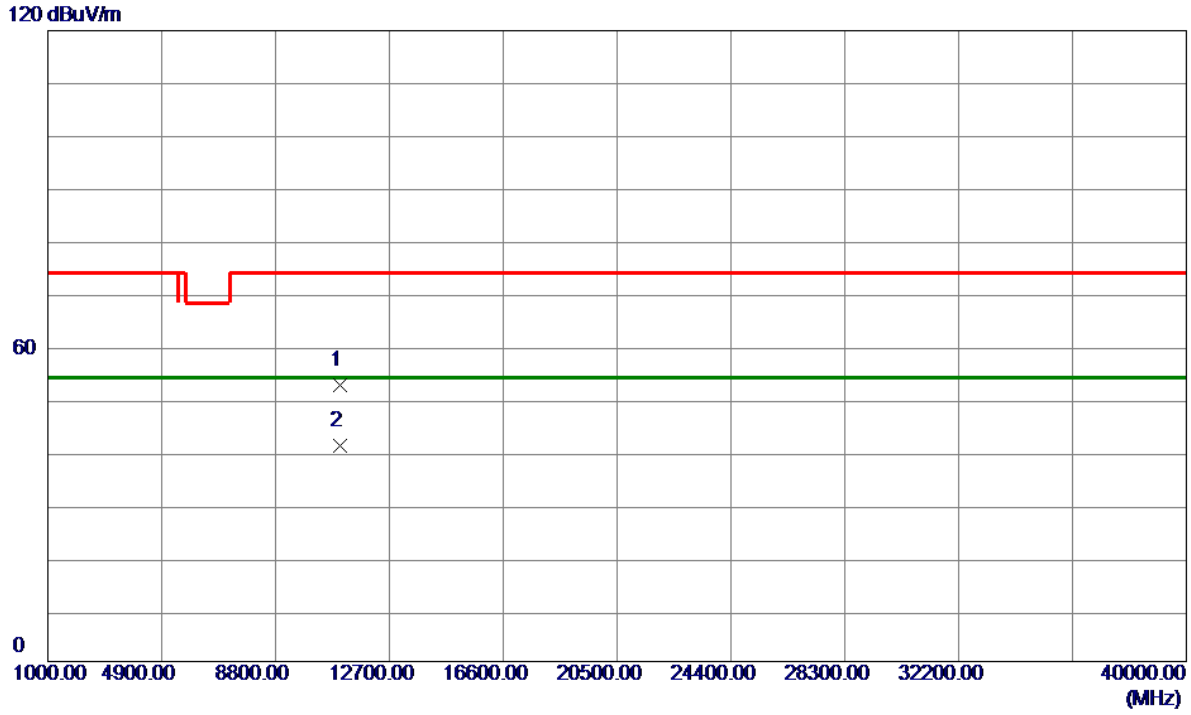
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5452.4600	16.31	37.87	54.18	74.00	-19.82	Peak	
2	5452.4600	4.47	37.87	42.34	54.00	-11.66	AVG	
3	5469.0800	18.38	37.89	56.27	68.20	-11.93	Peak	
4	5500.0000	72.11	37.92	110.03	74.00	36.03	Peak	
5 *	5500.0000	64.61	37.92	102.53	54.00	48.53	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

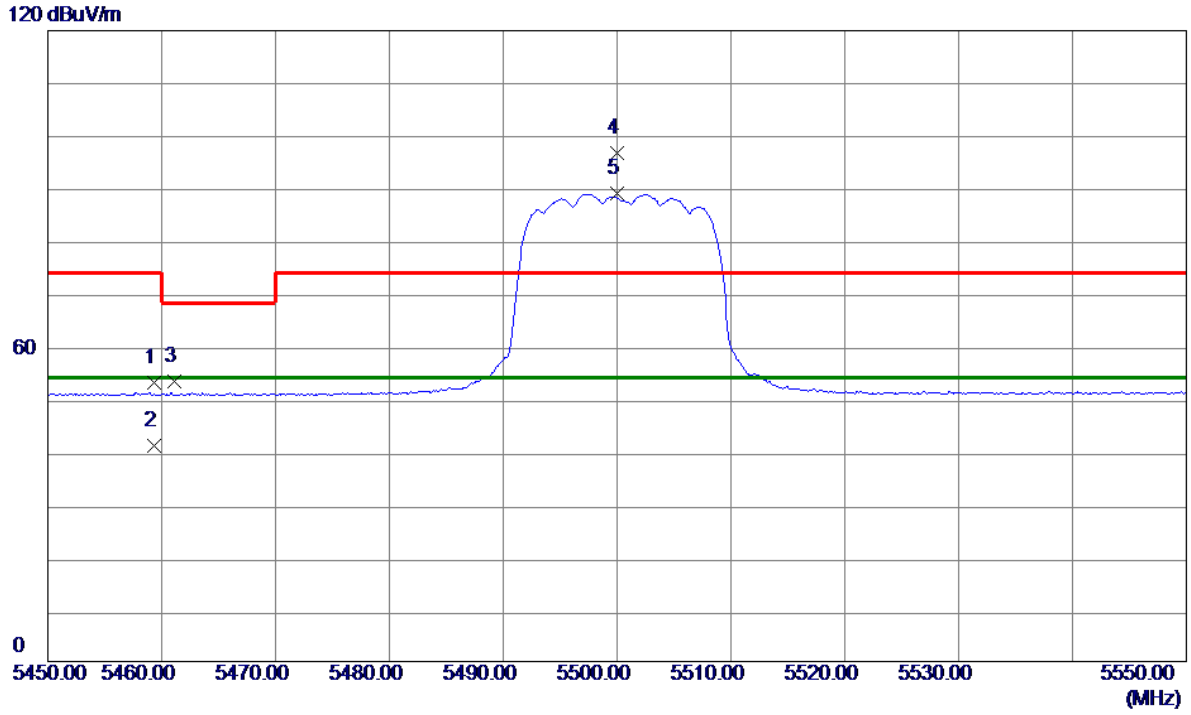
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11000.0000	49.81	2.85	52.66	74.00	-21.34	Peak	
2 *	11000.0000	38.13	2.85	40.98	54.00	-13.02	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

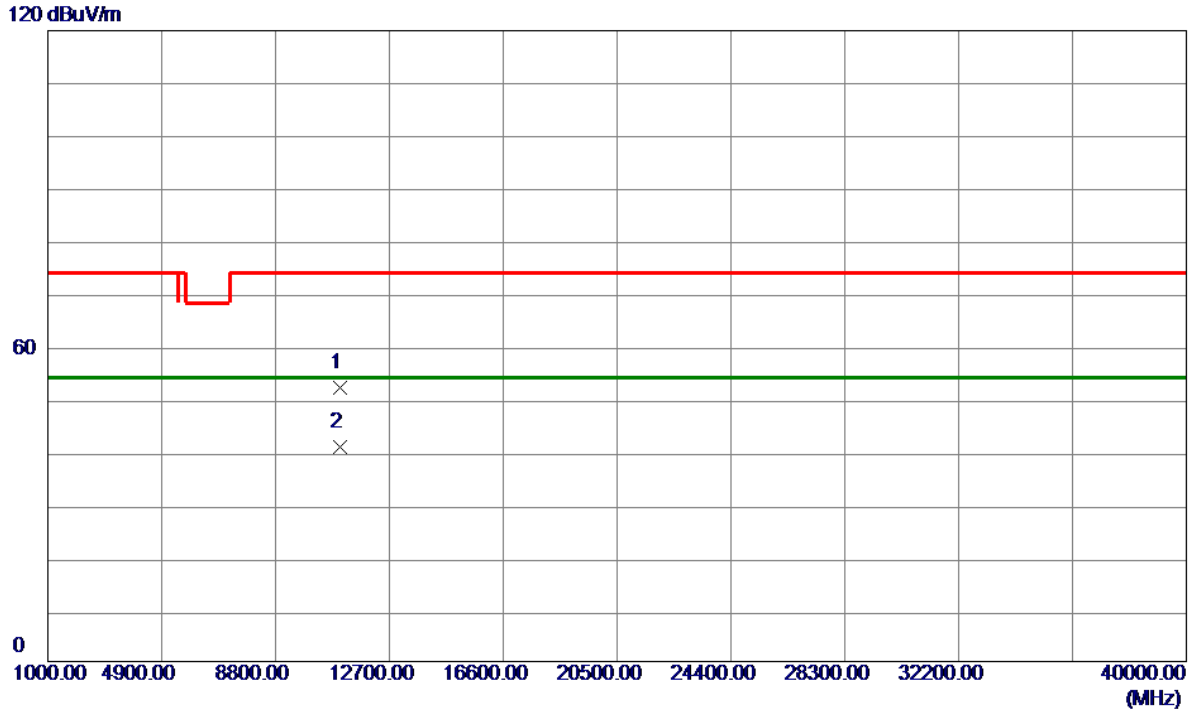
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5459.3800	15.15	37.88	53.03	74.00	-20.97	Peak	
2	5459.3800	3.21	37.88	41.09	54.00	-12.91	AVG	
3	5461.1100	15.34	37.88	53.22	68.20	-14.98	Peak	
4	5500.0000	58.85	37.92	96.77	74.00	22.77	Peak	
5 *	5500.0000	51.11	37.92	89.03	54.00	35.03	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

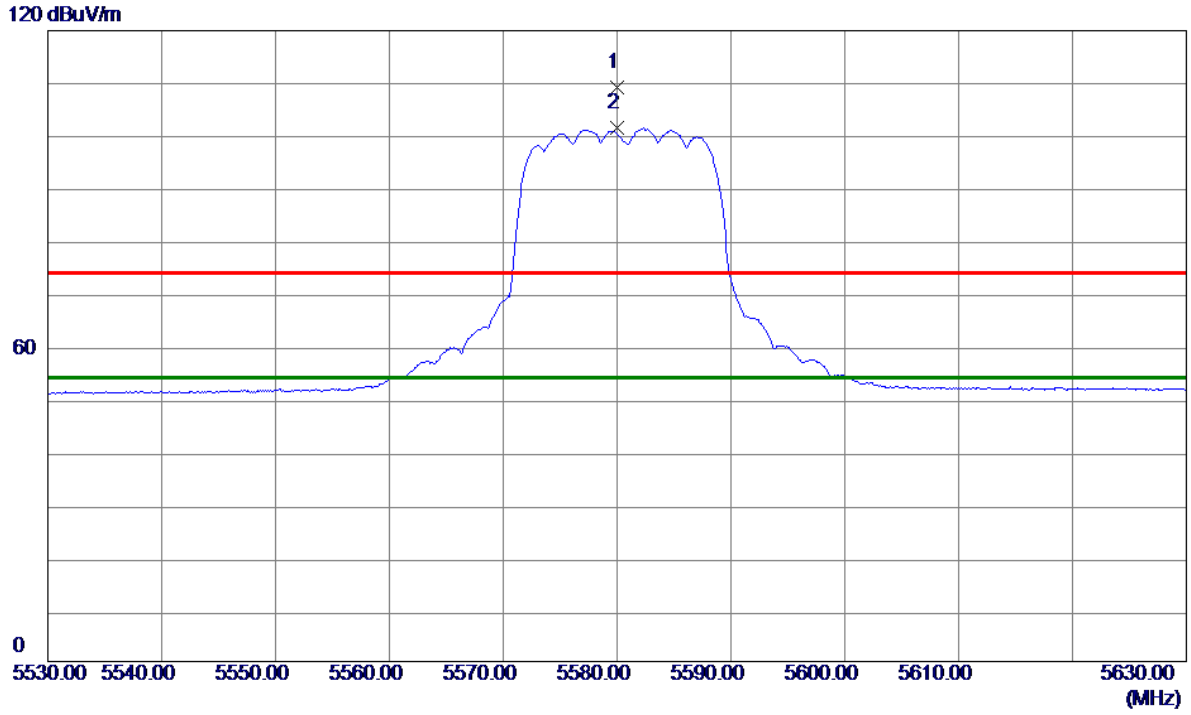
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11000.0000	49.17	2.85	52.02	74.00	-21.98	Peak	
2 *	11000.0000	37.95	2.85	40.80	54.00	-13.20	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

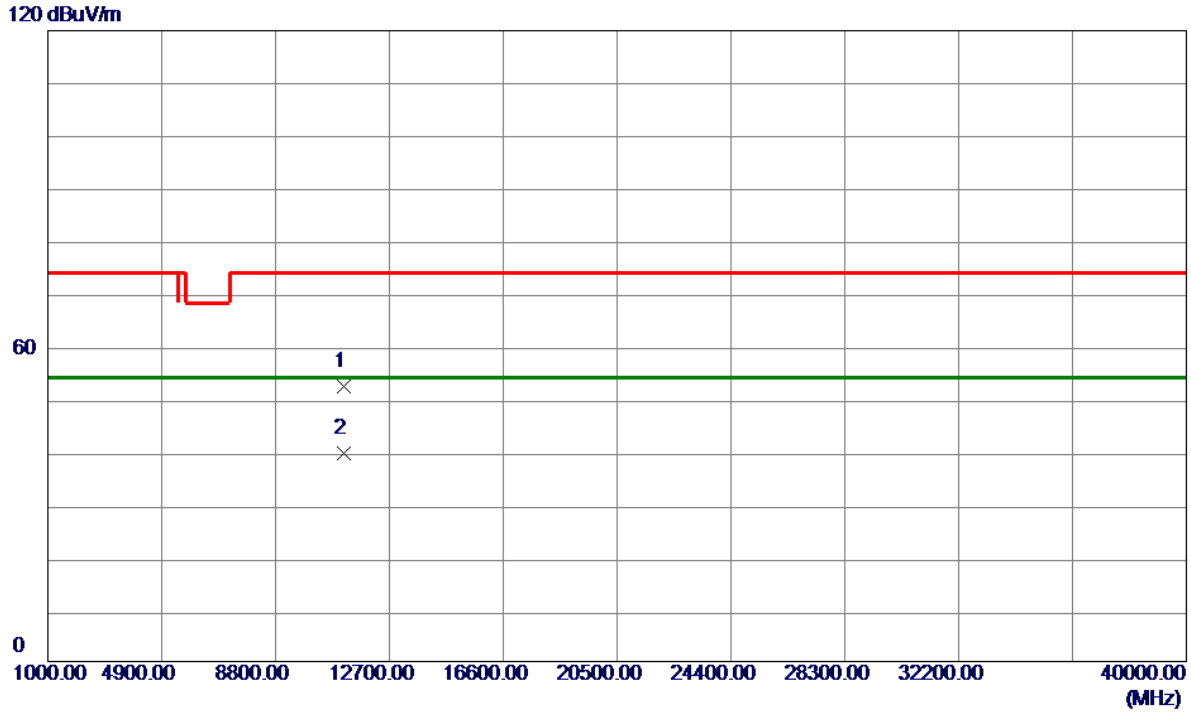
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5580.0000	71.09	38.14	109.23	74.00	35.23	Peak	
2 *	5580.0000	63.30	38.14	101.44	54.00	47.44	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

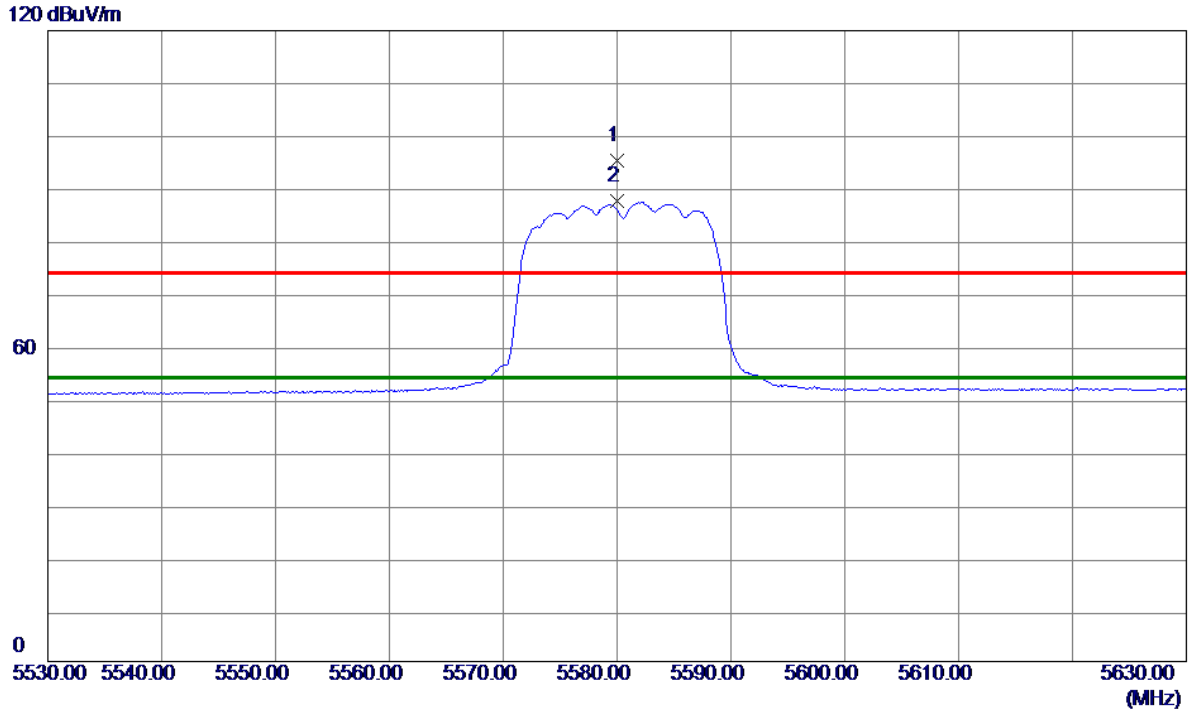
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11160.0000	49.18	3.03	52.21	74.00	-21.79	Peak	
2 *	11160.0000	36.61	3.03	39.64	54.00	-14.36	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

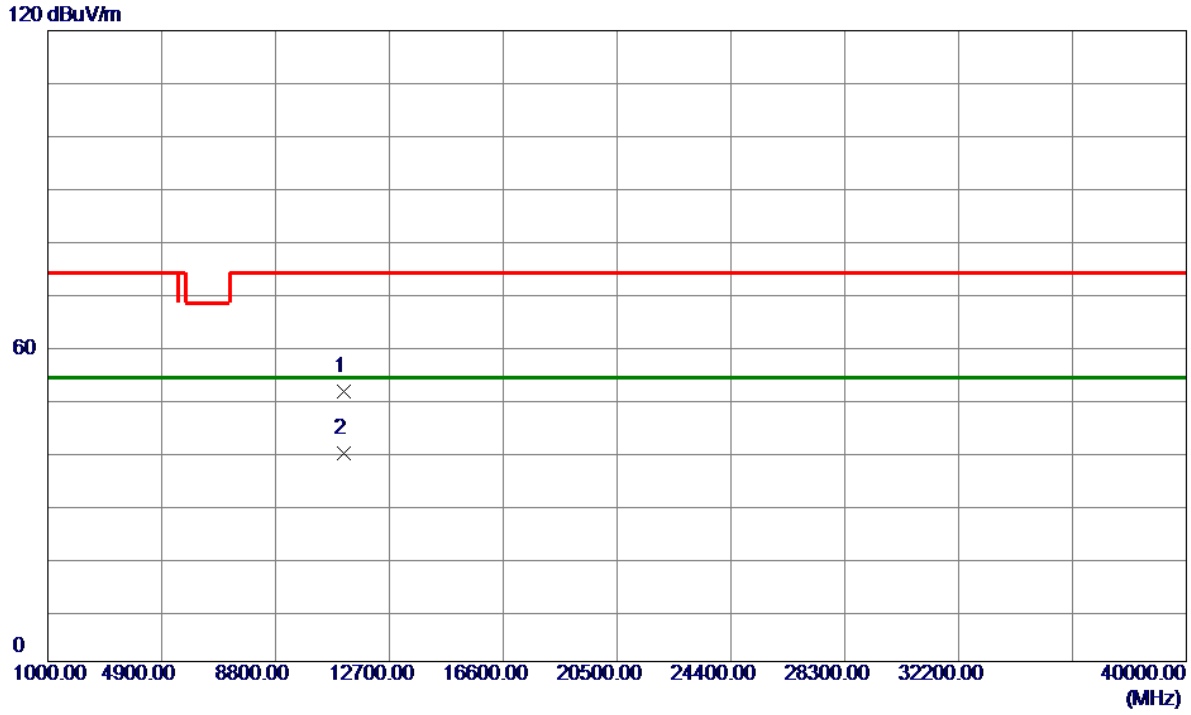
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5580.0000	57.22	38.14	95.36	74.00	21.36	Peak	
2 *	5580.0000	49.45	38.14	87.59	54.00	33.59	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

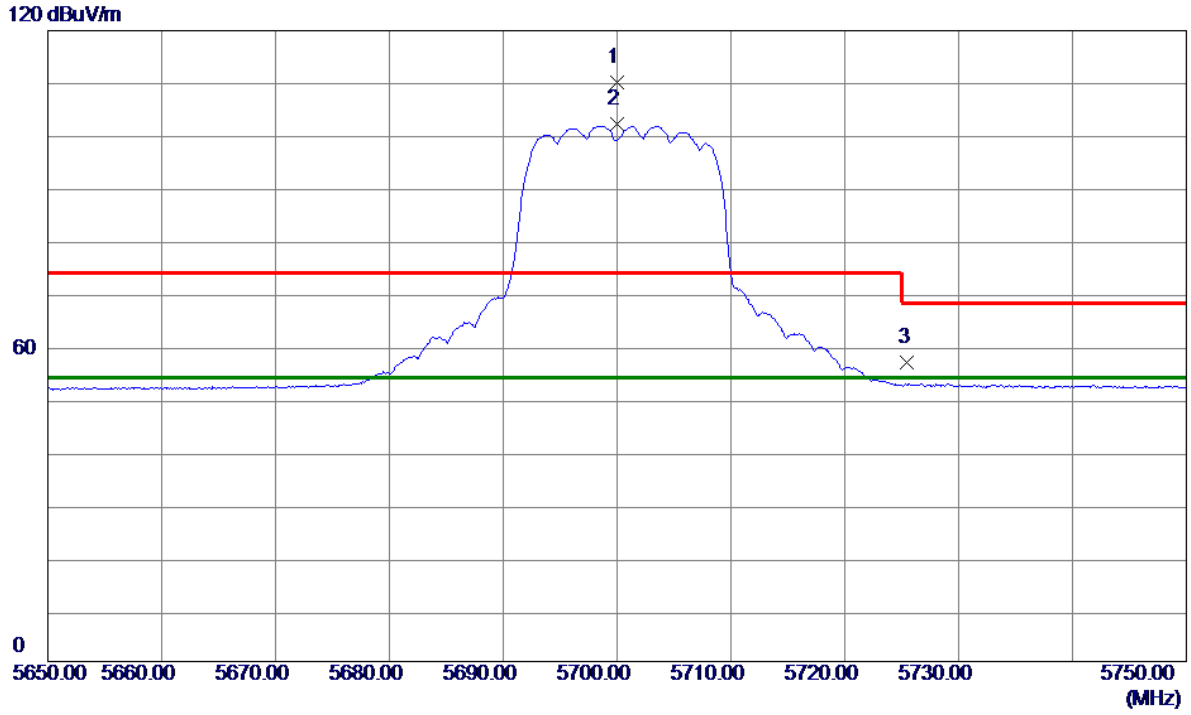
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11160.0000	48.30	3.03	51.33	74.00	-22.67	Peak	
2 *	11160.0000	36.48	3.03	39.51	54.00	-14.49	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

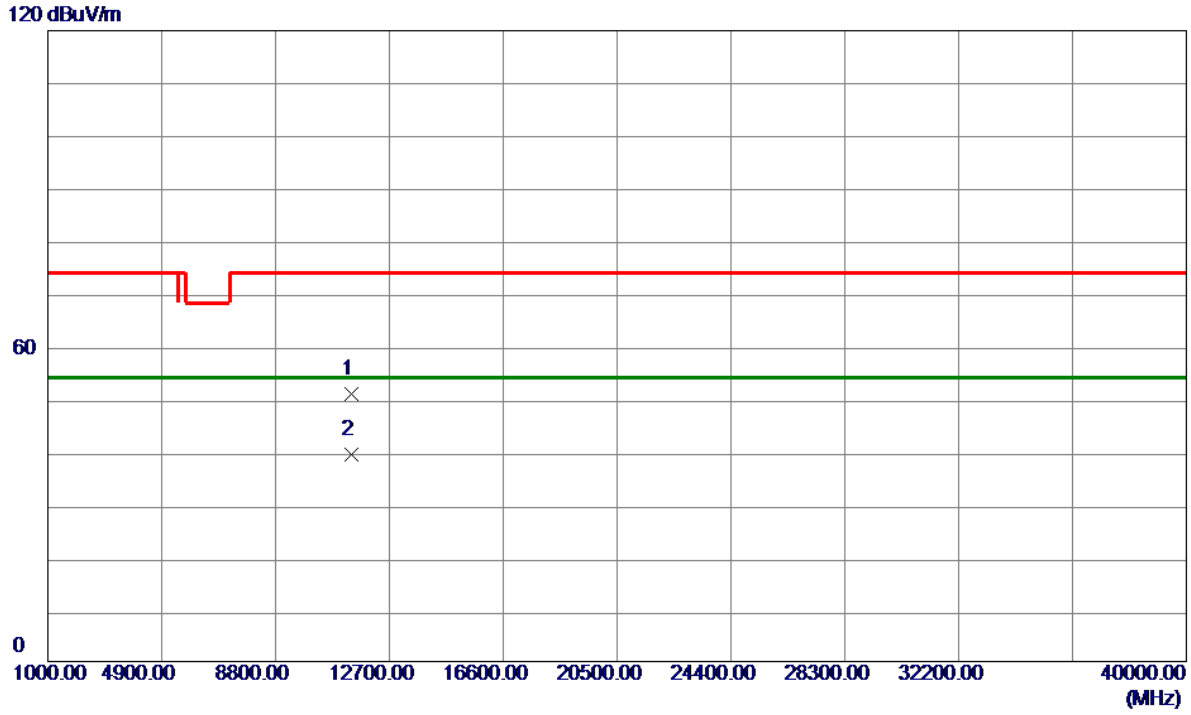
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5700.0000	71.60	38.46	110.06	74.00	36.06	Peak	
2 *	5700.0000	63.70	38.46	102.16	54.00	48.16	AVG	
3	5725.5000	18.42	38.53	56.95	68.20	-11.25	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

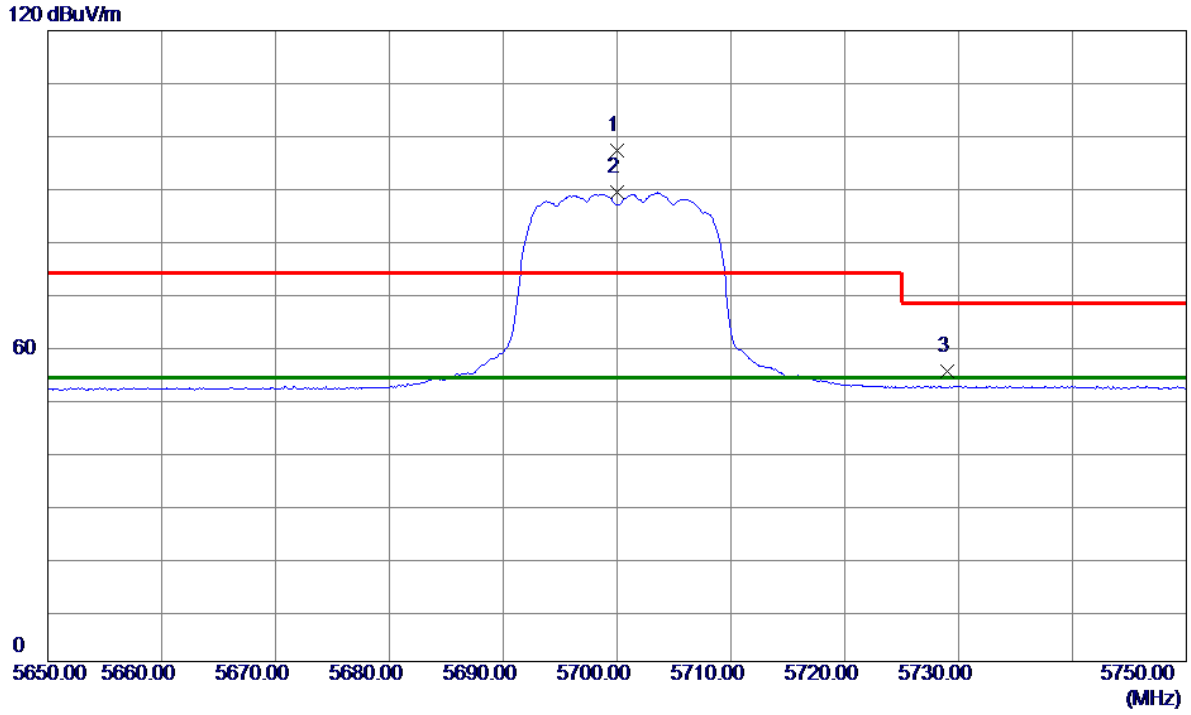
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11400.0000	47.65	3.31	50.96	74.00	-23.04	Peak	
2 *	11400.0000	36.02	3.31	39.33	54.00	-14.67	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

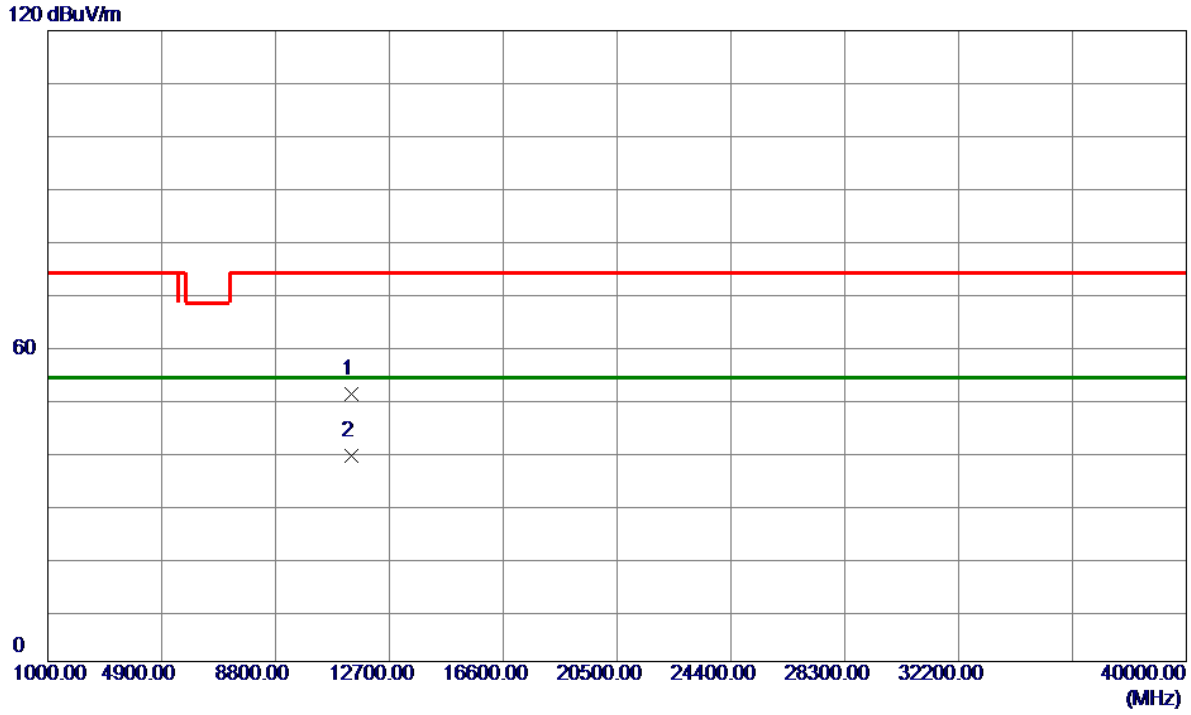
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5700.0000	58.68	38.46	97.14	74.00	23.14	Peak	
2 *	5700.0000	50.80	38.46	89.26	54.00	35.26	AVG	
3	5729.0250	16.60	38.54	55.14	68.20	-13.06	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

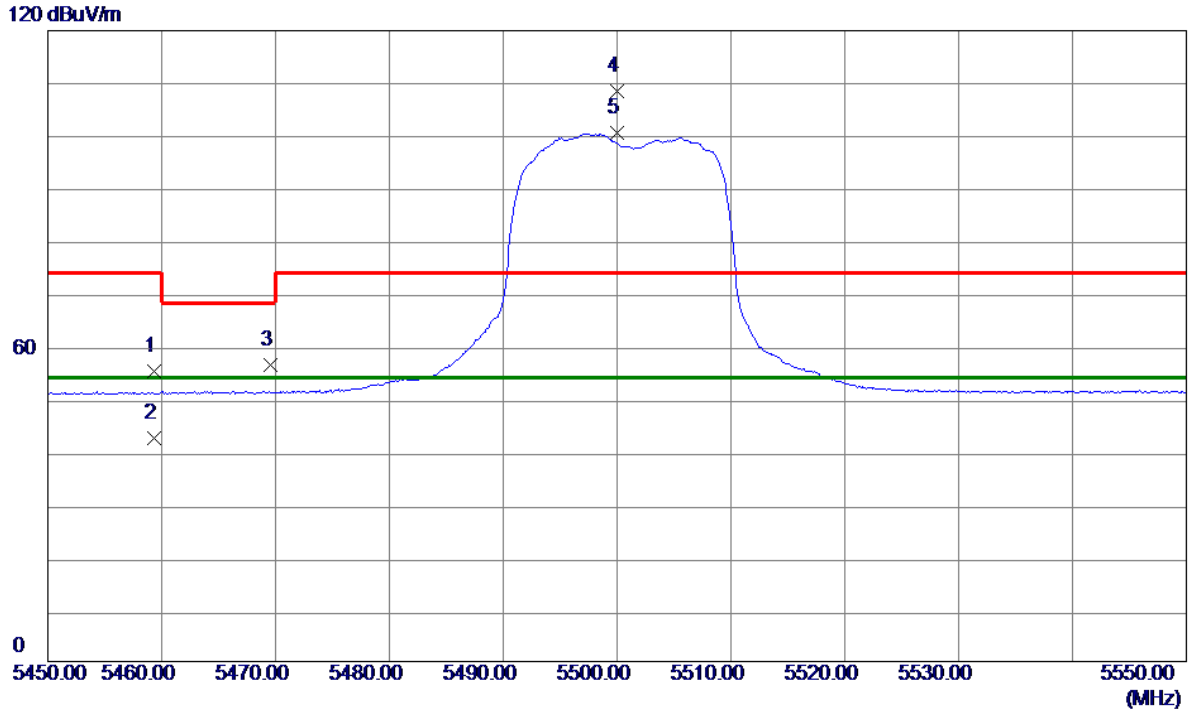
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11400.0000	47.52	3.31	50.83	74.00	-23.17	Peak	
2 *	11400.0000	35.90	3.31	39.21	54.00	-14.79	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

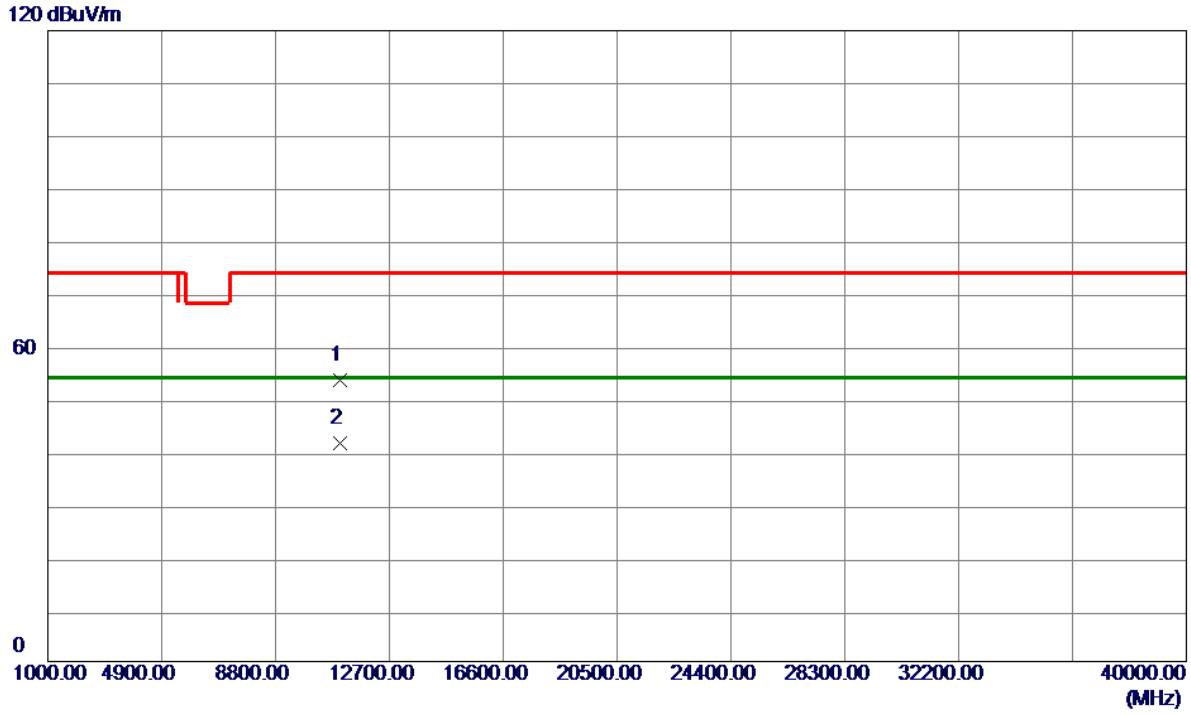
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5459.3500	17.27	37.88	55.15	74.00	-18.85	Peak	
2	5459.3500	4.71	37.88	42.59	54.00	-11.41	AVG	
3	5469.5600	18.48	37.89	56.37	68.20	-11.83	Peak	
4	5500.0000	70.44	37.92	108.36	74.00	34.36	Peak	
5 *	5500.0000	62.70	37.92	100.62	54.00	46.62	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

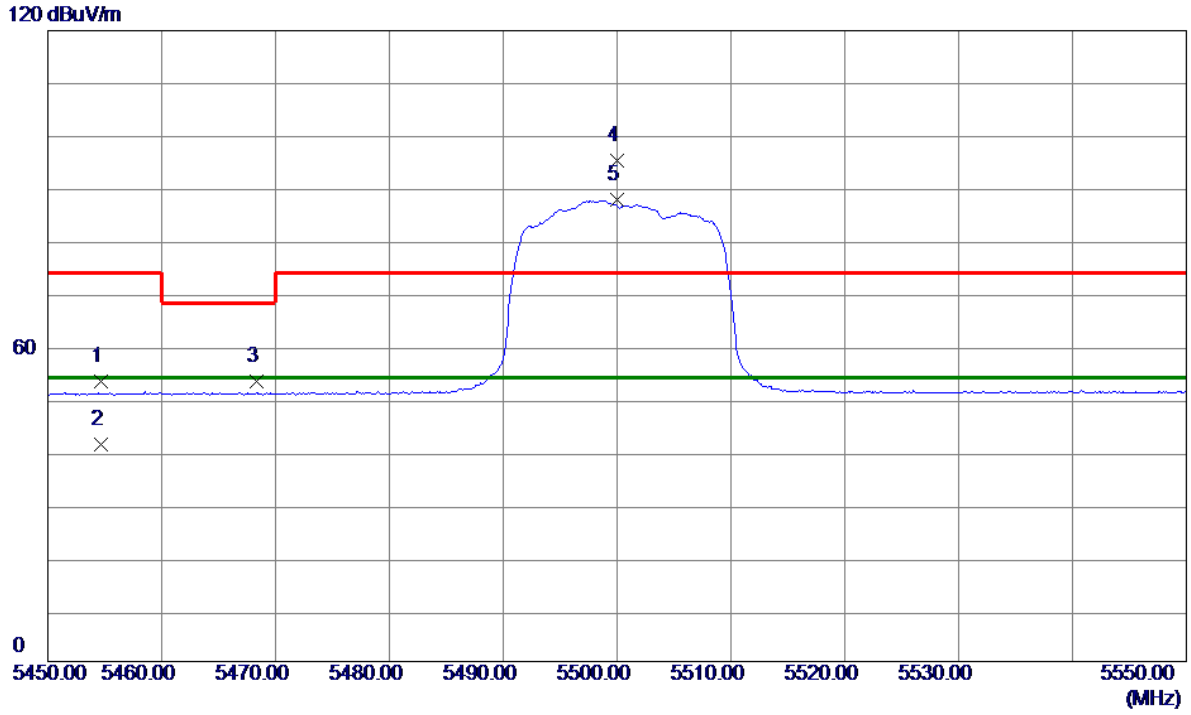
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11000.0000	50.56	2.85	53.41	74.00	-20.59	Peak	
2 *	11000.0000	38.58	2.85	41.43	54.00	-12.57	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

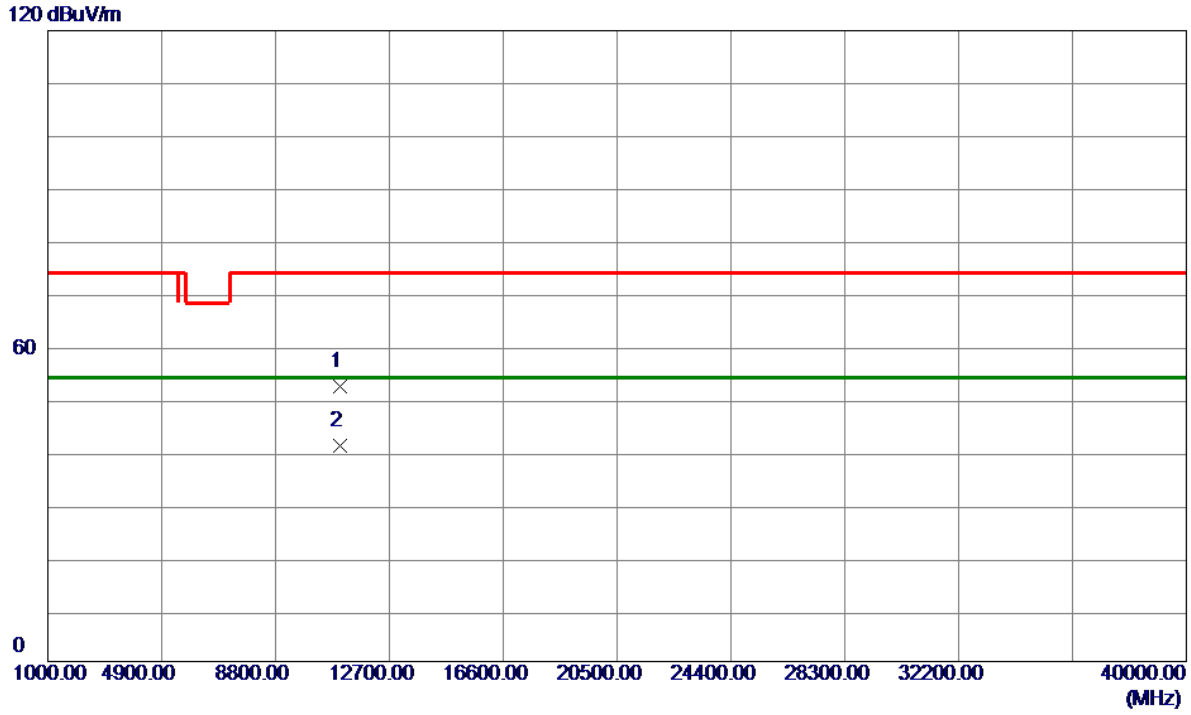
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5454.7000	15.30	37.87	53.17	74.00	-20.83	Peak	
2	5454.7000	3.33	37.87	41.20	54.00	-12.80	AVG	
3	5468.3200	15.43	37.89	53.32	68.20	-14.88	Peak	
4	5500.0000	57.36	37.92	95.28	74.00	21.28	Peak	
5 *	5500.0000	49.83	37.92	87.75	54.00	33.75	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

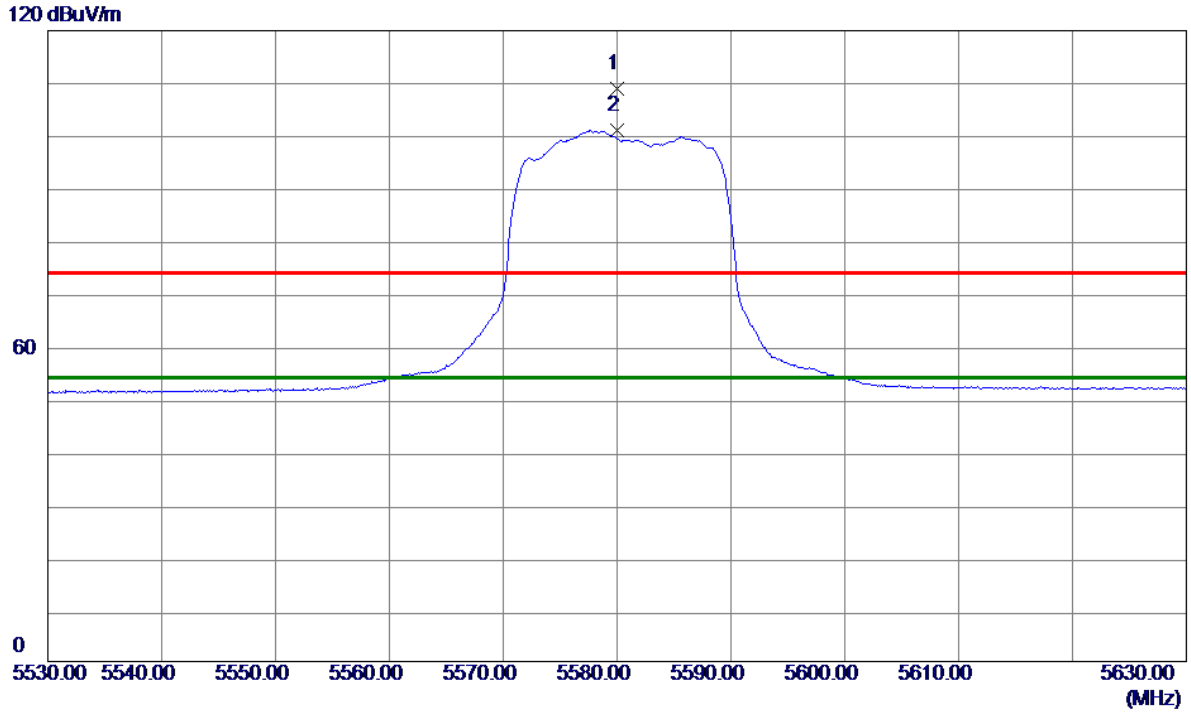
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11000.0000	49.53	2.85	52.38	74.00	-21.62	Peak	
2 *	11000.0000	38.12	2.85	40.97	54.00	-13.03	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

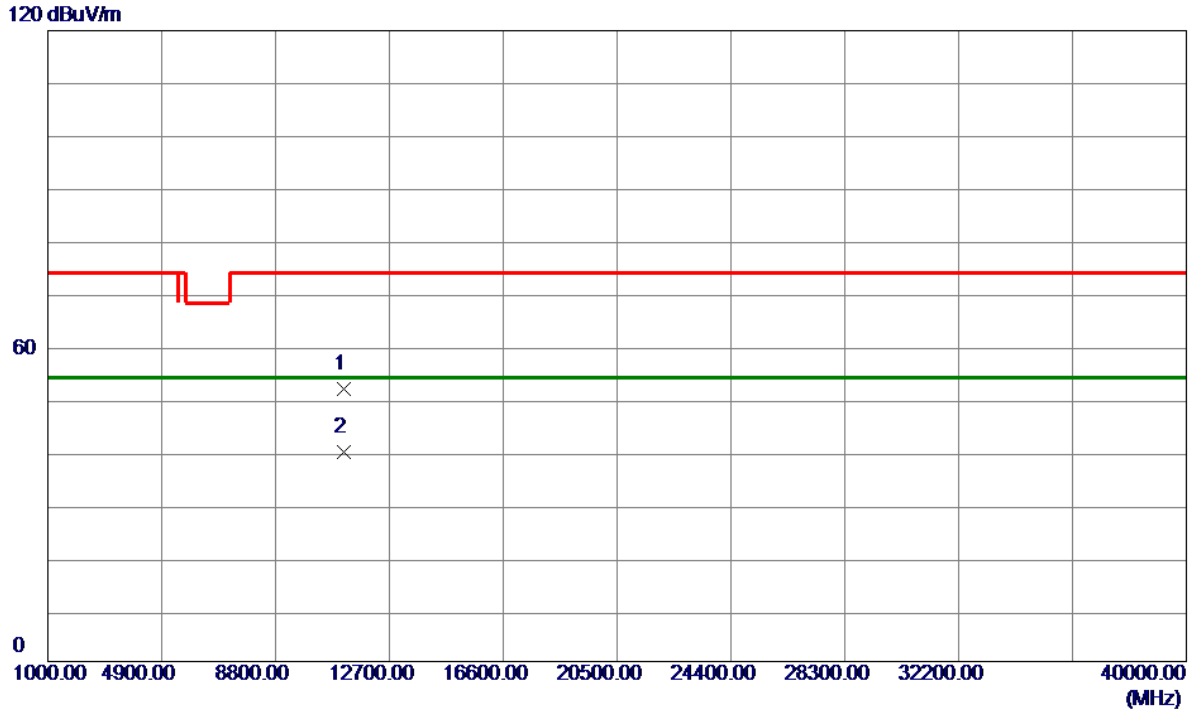
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5580.0000	70.71	38.14	108.85	74.00	34.85	Peak	
2 *	5580.0000	62.92	38.14	101.06	54.00	47.06	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

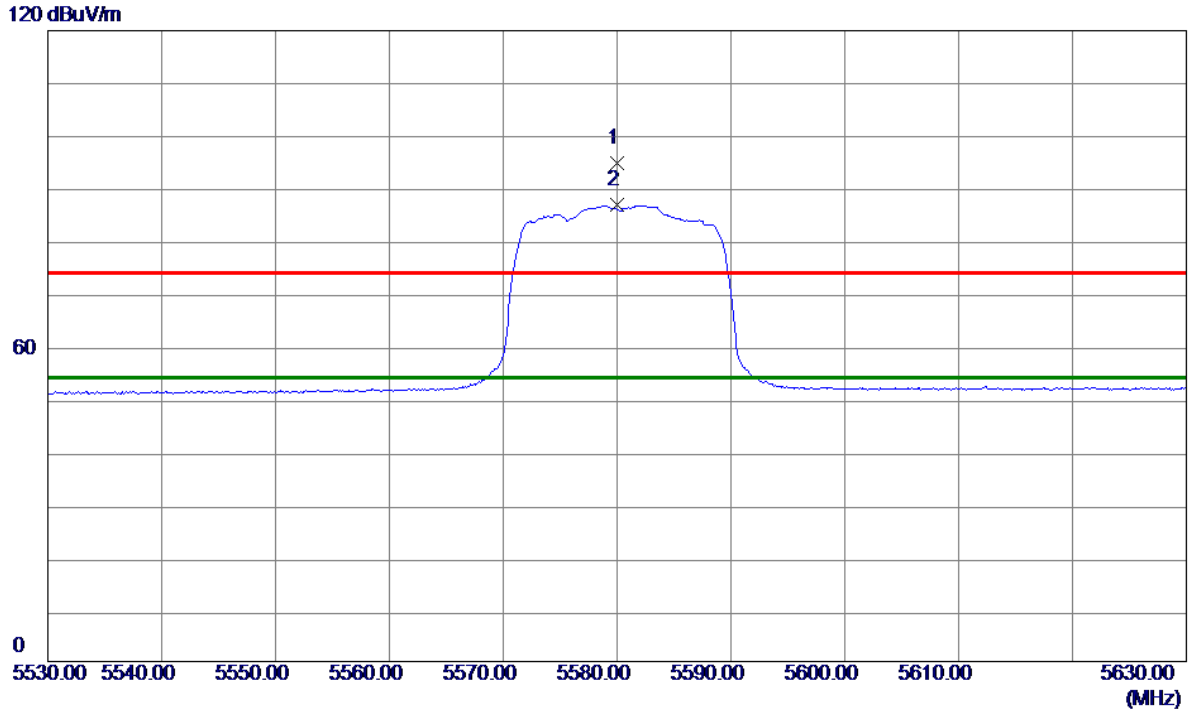
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11160.0000	48.76	3.03	51.79	74.00	-22.21	Peak	
2 *	11160.0000	36.74	3.03	39.77	54.00	-14.23	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

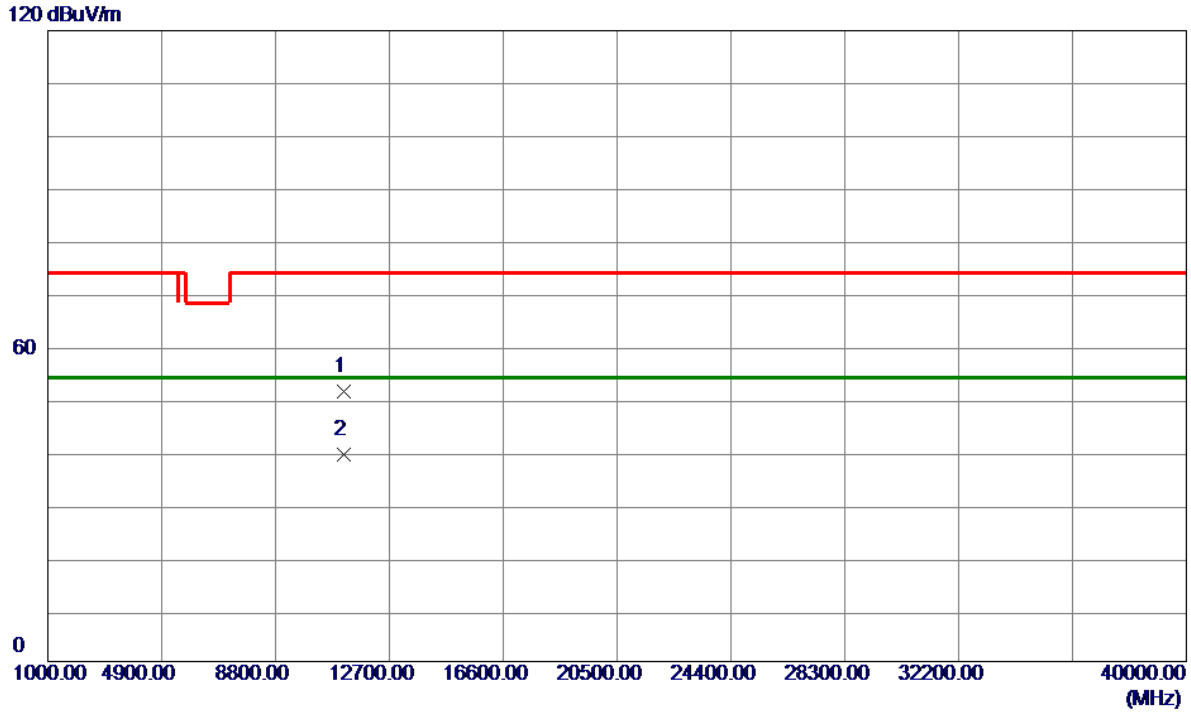
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5580.0000	56.67	38.14	94.81	74.00	20.81	Peak	
2 *	5580.0000	48.76	38.14	86.90	54.00	32.90	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

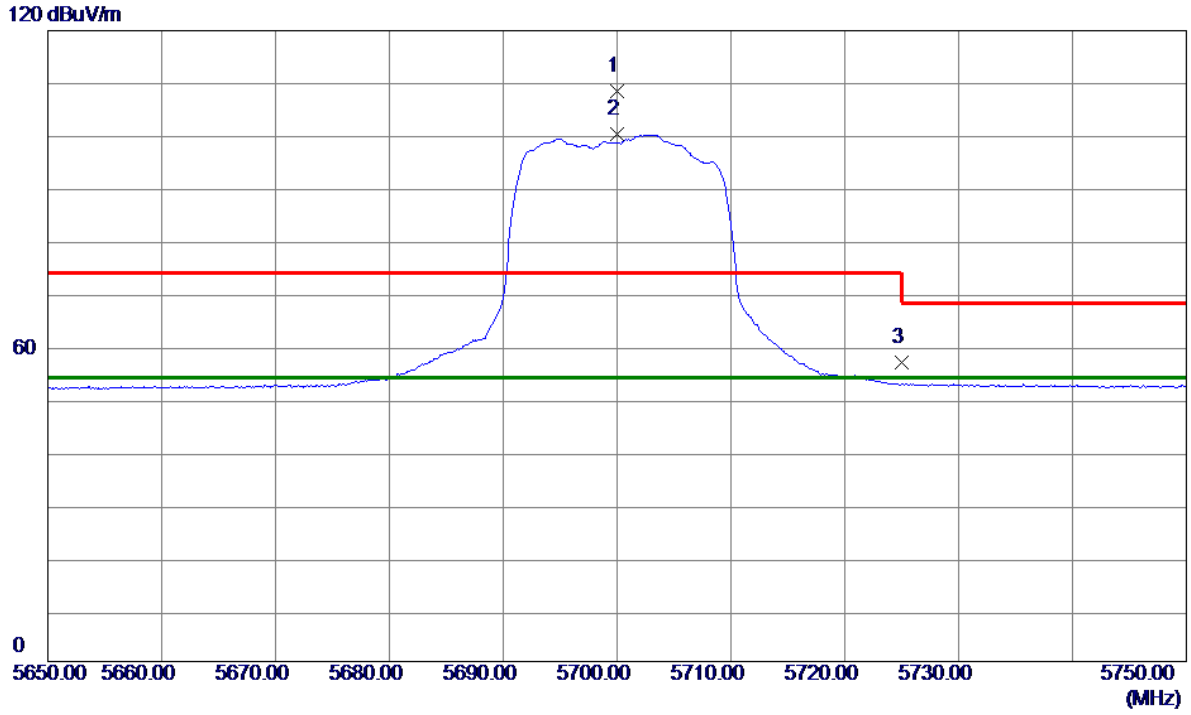
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11160.0000	48.25	3.03	51.28	74.00	-22.72	Peak	
2 *	11160.0000	36.44	3.03	39.47	54.00	-14.53	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

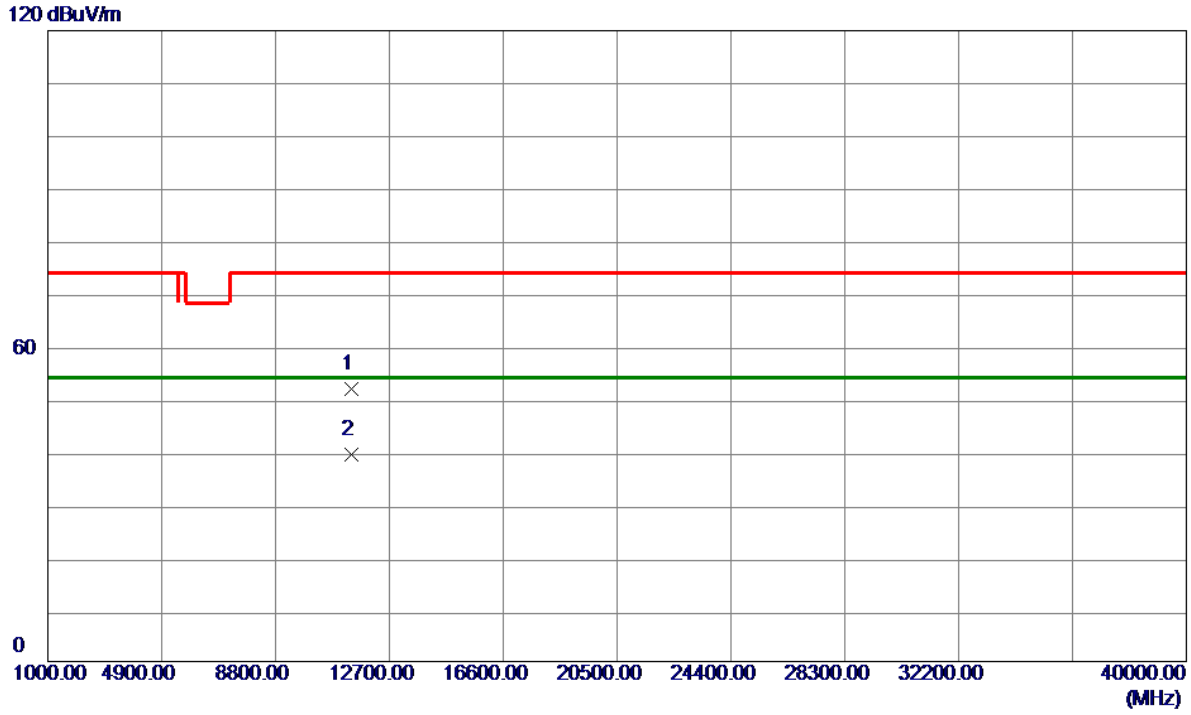
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5700.0000	70.01	38.46	108.47	74.00	34.47	Peak	
2 *	5700.0000	61.87	38.46	100.33	54.00	46.33	AVG	
3	5725.0250	18.37	38.53	56.90	68.20	-11.30	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

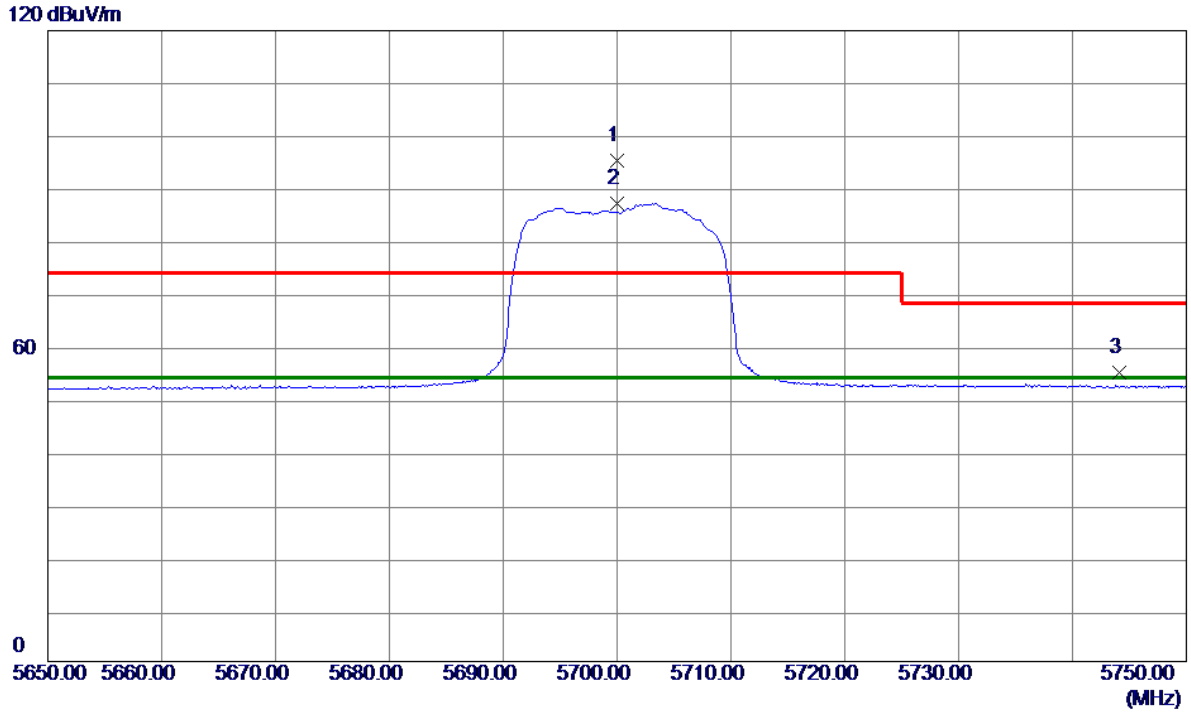
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11400.0000	48.47	3.31	51.78	74.00	-22.22	Peak	
2 *	11400.0000	35.94	3.31	39.25	54.00	-14.75	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

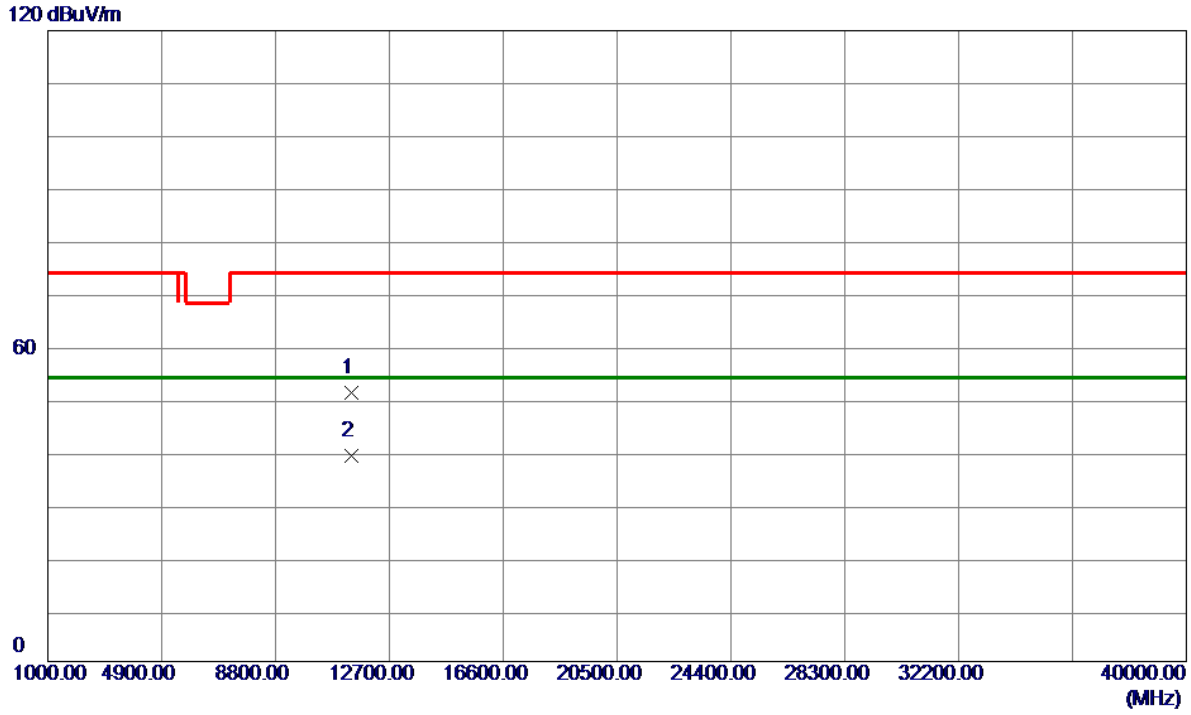
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5700.0000	56.74	38.46	95.20	74.00	21.20	Peak	
2 *	5700.0000	48.75	38.46	87.21	54.00	33.21	AVG	
3	5744.0750	16.26	38.58	54.84	68.20	-13.36	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

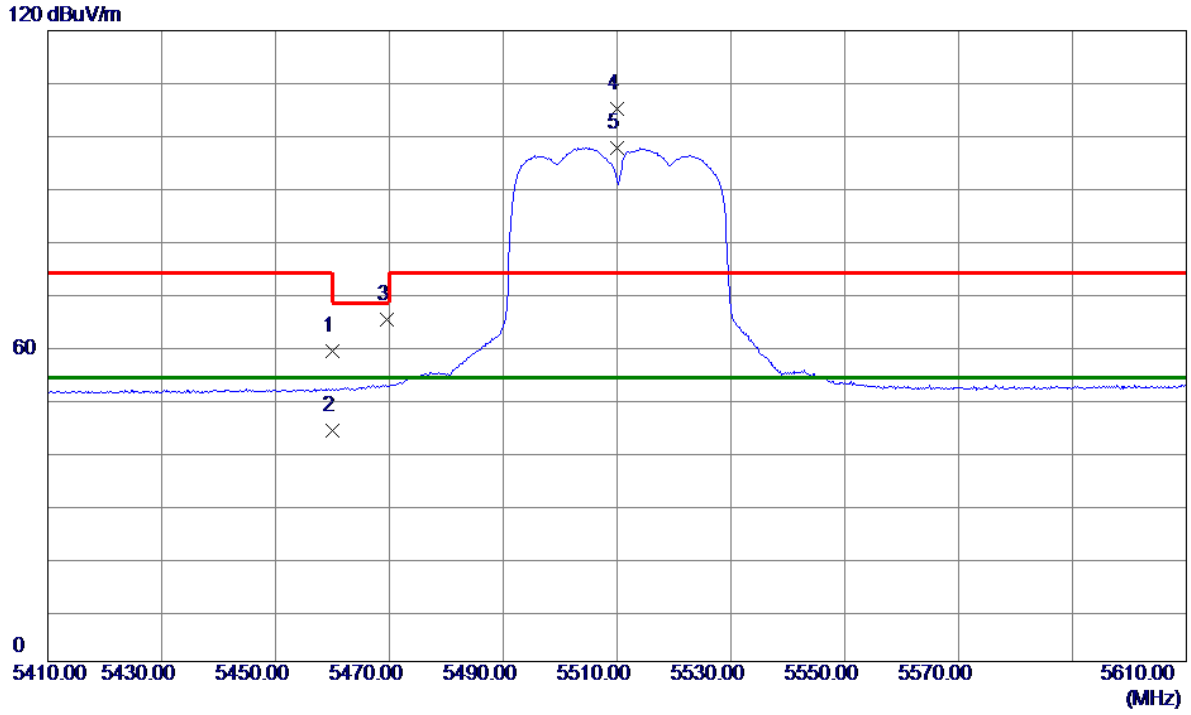
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11400.0000	47.81	3.31	51.12	74.00	-22.88	Peak	
2 *	11400.0000	35.70	3.31	39.01	54.00	-14.99	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

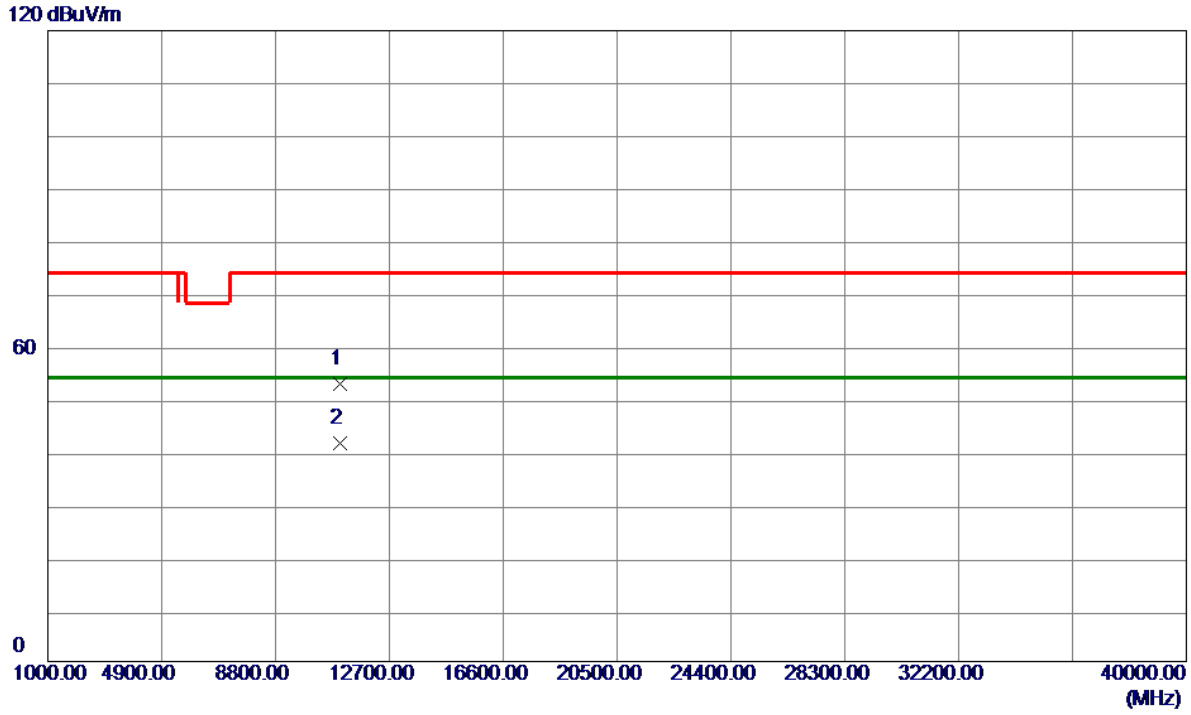
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5459.9500	21.08	37.88	58.96	74.00	-15.04	Peak	
2	5459.9500	5.97	37.88	43.85	54.00	-10.15	AVG	
3	5469.5099	27.19	37.89	65.08	68.20	-3.12	Peak	
4	5510.0000	67.27	37.95	105.22	74.00	31.22	Peak	
5 *	5510.0000	59.84	37.95	97.79	54.00	43.79	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

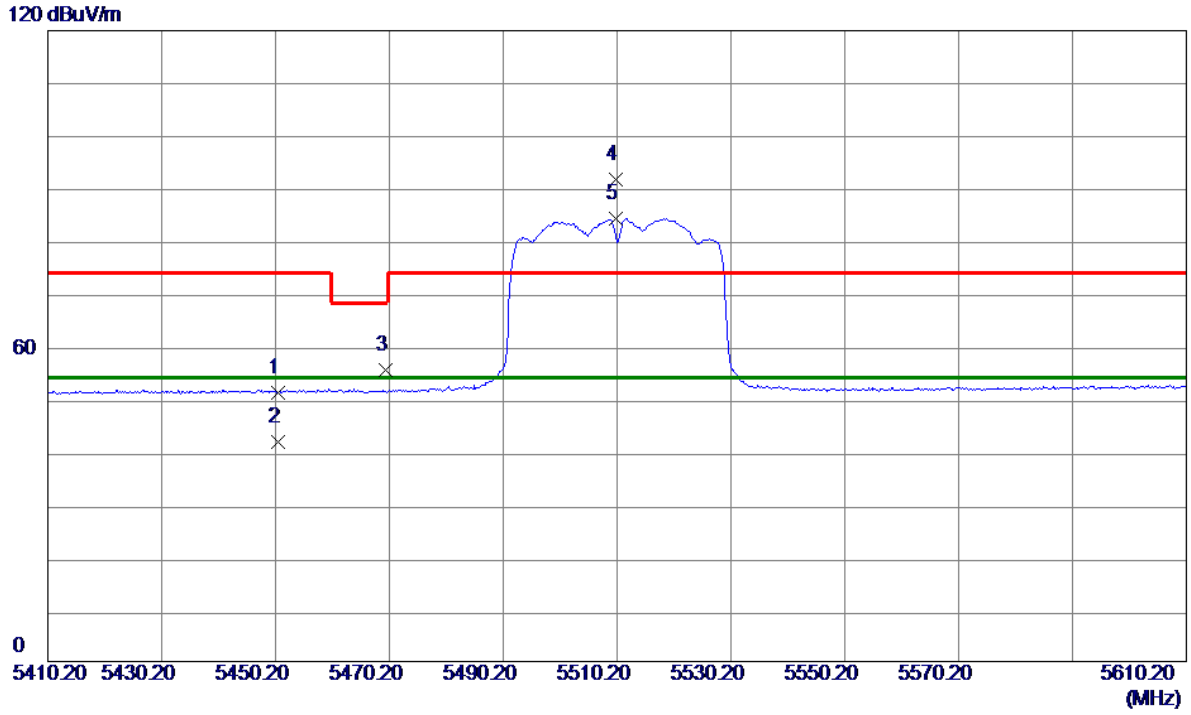
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11020.0000	50.00	2.87	52.87	74.00	-21.13	Peak	
2 *	11020.0000	38.59	2.87	41.46	54.00	-12.54	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

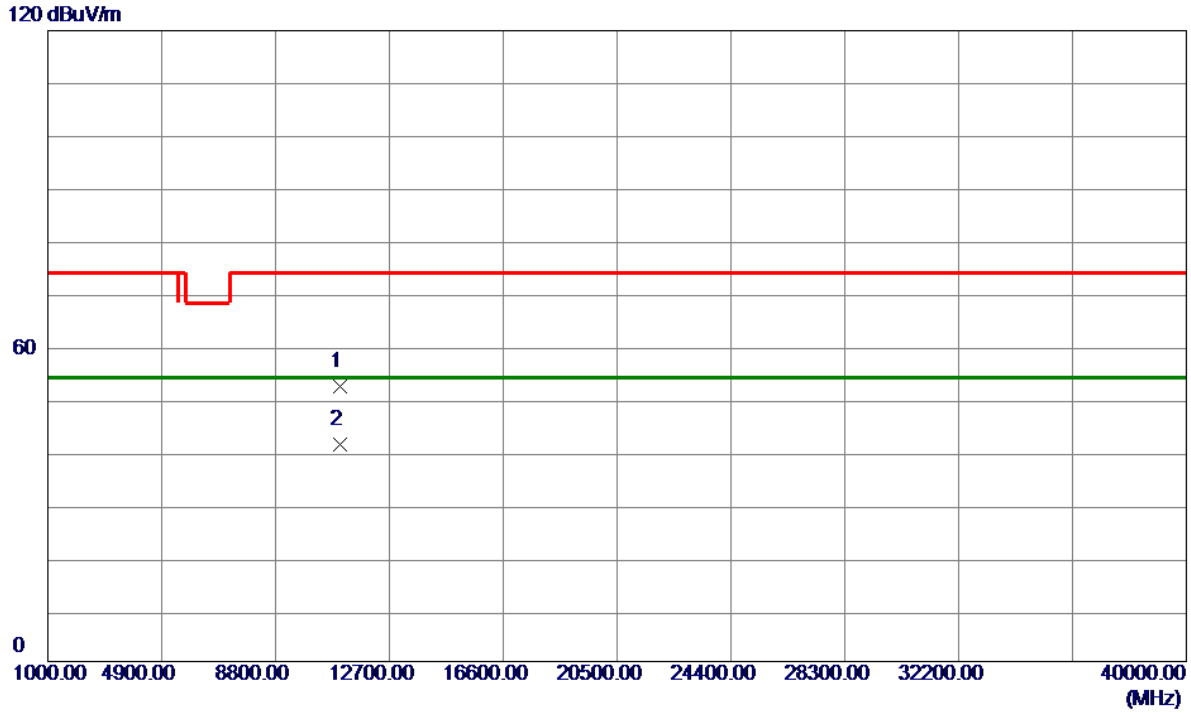
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5450.5900	13.22	37.87	51.09	74.00	-22.91	Peak	
2	5450.5900	3.96	37.87	41.83	54.00	-12.17	AVG	
3	5469.5800	17.62	37.89	55.51	68.20	-12.69	Peak	
4	5510.0000	53.79	37.95	91.74	74.00	17.74	Peak	
5 *	5510.0000	46.29	37.95	84.24	54.00	30.24	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

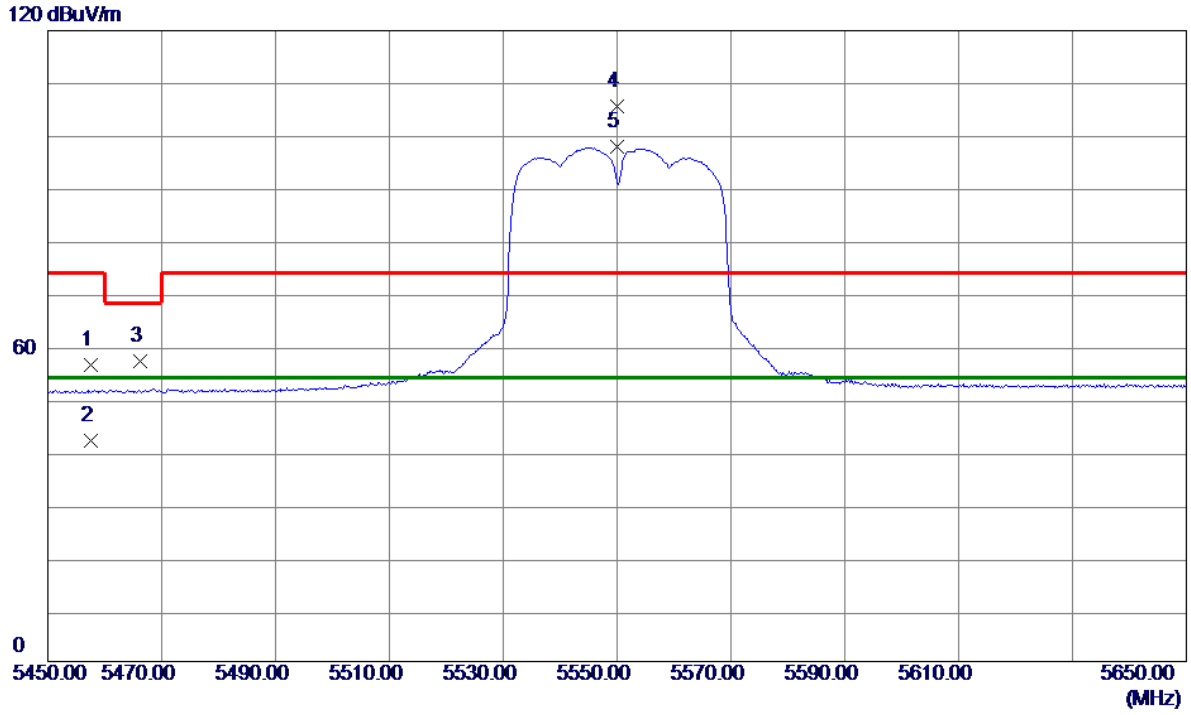
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11020.0000	49.50	2.87	52.37	74.00	-21.63	Peak	
2 *	11020.0000	38.45	2.87	41.32	54.00	-12.68	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

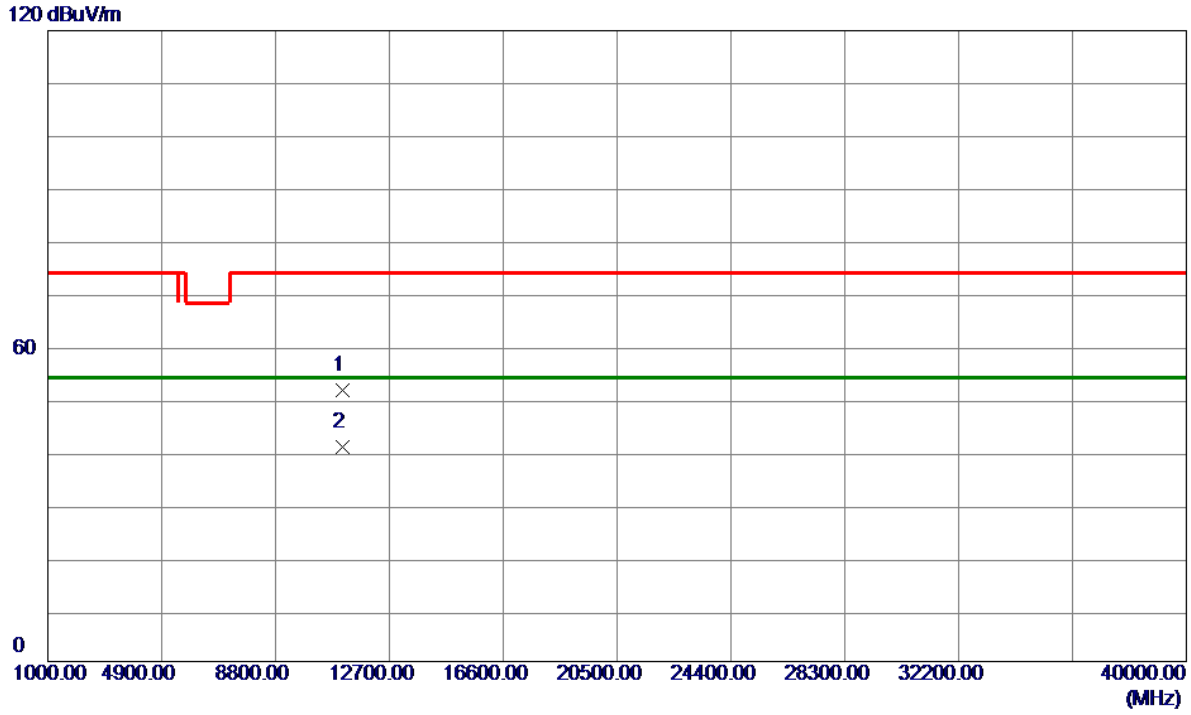
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5457.5900	18.53	37.87	56.40	74.00	-17.60	Peak	
2	5457.5900	4.19	37.87	42.06	54.00	-11.94	AVG	
3	5466.1700	19.34	37.88	57.22	68.20	-10.98	Peak	
4	5550.0000	67.46	38.06	105.52	74.00	31.52	Peak	
5 *	5550.0000	59.87	38.06	97.93	54.00	43.93	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

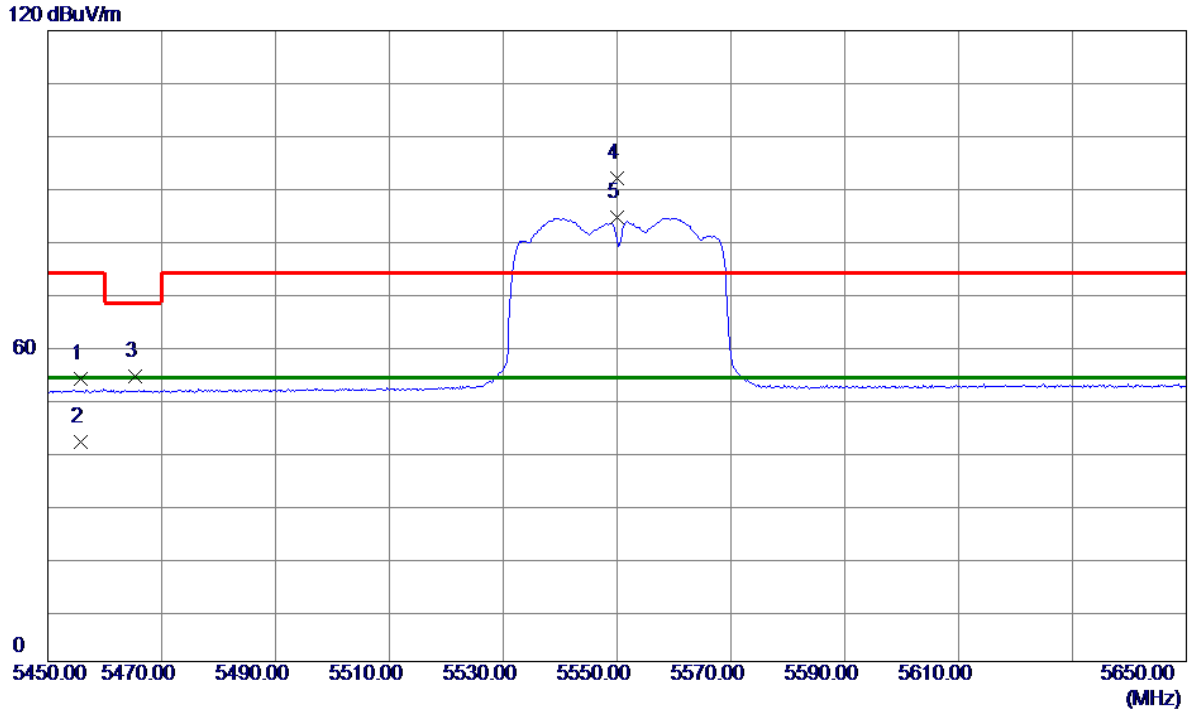
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11100.0000	48.55	2.96	51.51	74.00	-22.49	Peak	
2 *	11100.0000	37.87	2.96	40.83	54.00	-13.17	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

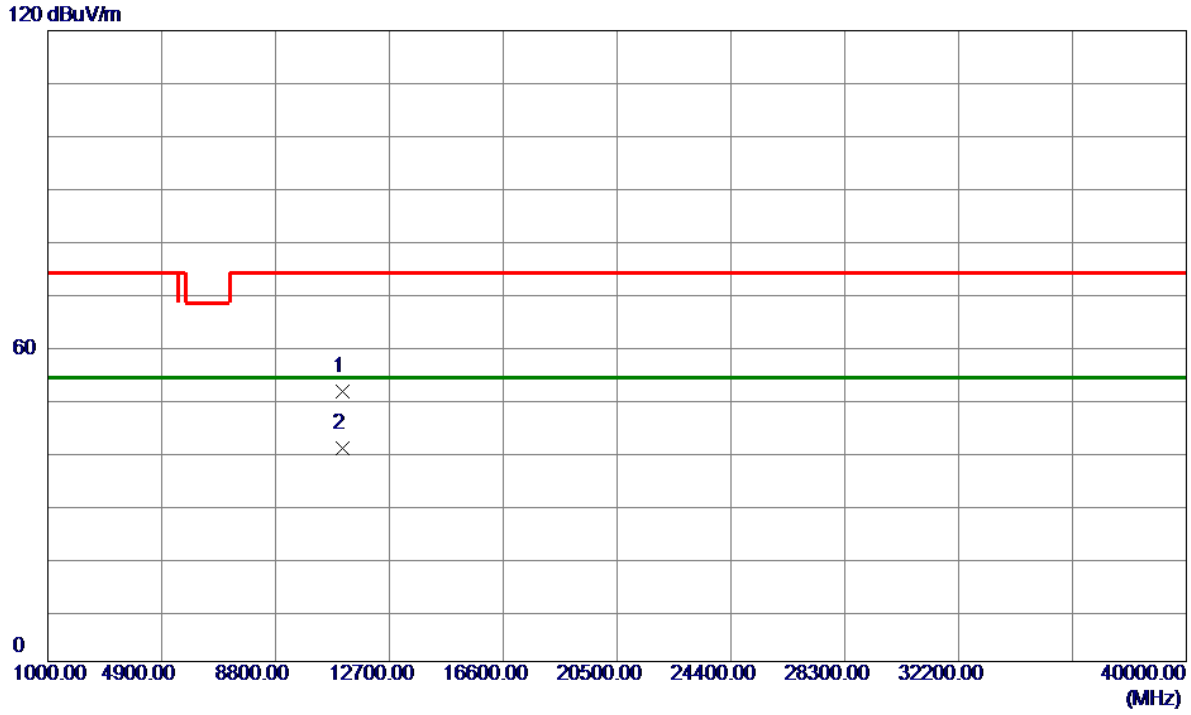
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5455.7700	15.93	37.87	53.80	74.00	-20.20	Peak	
2	5455.7700	3.84	37.87	41.71	54.00	-12.29	AVG	
3	5465.3800	16.29	37.88	54.17	68.20	-14.03	Peak	
4	5550.0000	53.80	38.06	91.86	74.00	17.86	Peak	
5 *	5550.0000	46.38	38.06	84.44	54.00	30.44	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

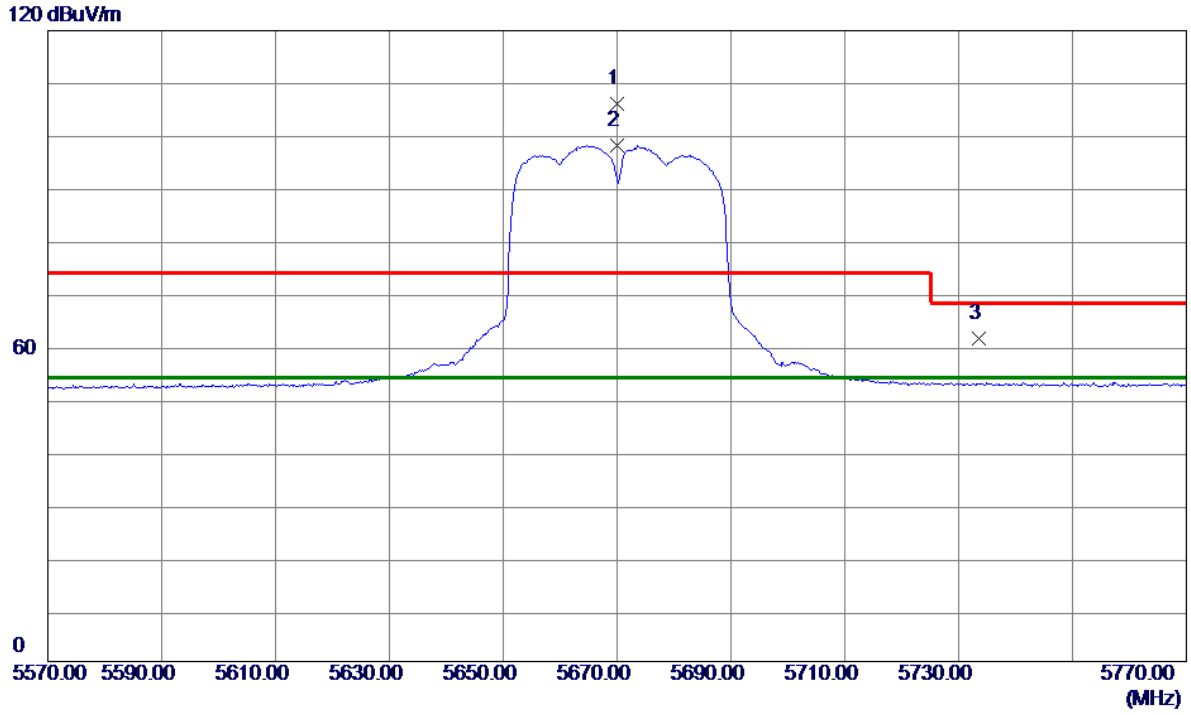
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11100.0000	48.34	2.96	51.30	74.00	-22.70	Peak	
2 *	11100.0000	37.66	2.96	40.62	54.00	-13.38	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

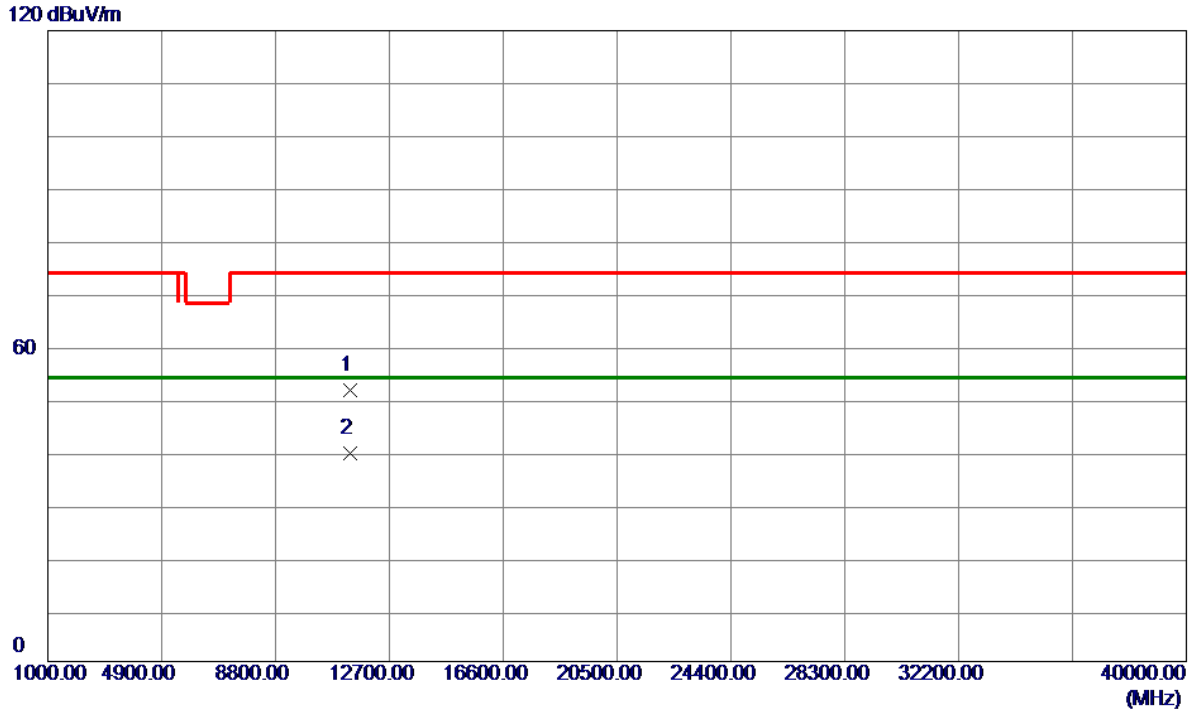
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5670.0000	67.60	38.38	105.98	74.00	31.98	Peak	
2 *	5670.0000	59.83	38.38	98.21	54.00	44.21	AVG	
3	5733.6400	22.97	38.56	61.53	68.20	-6.67	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

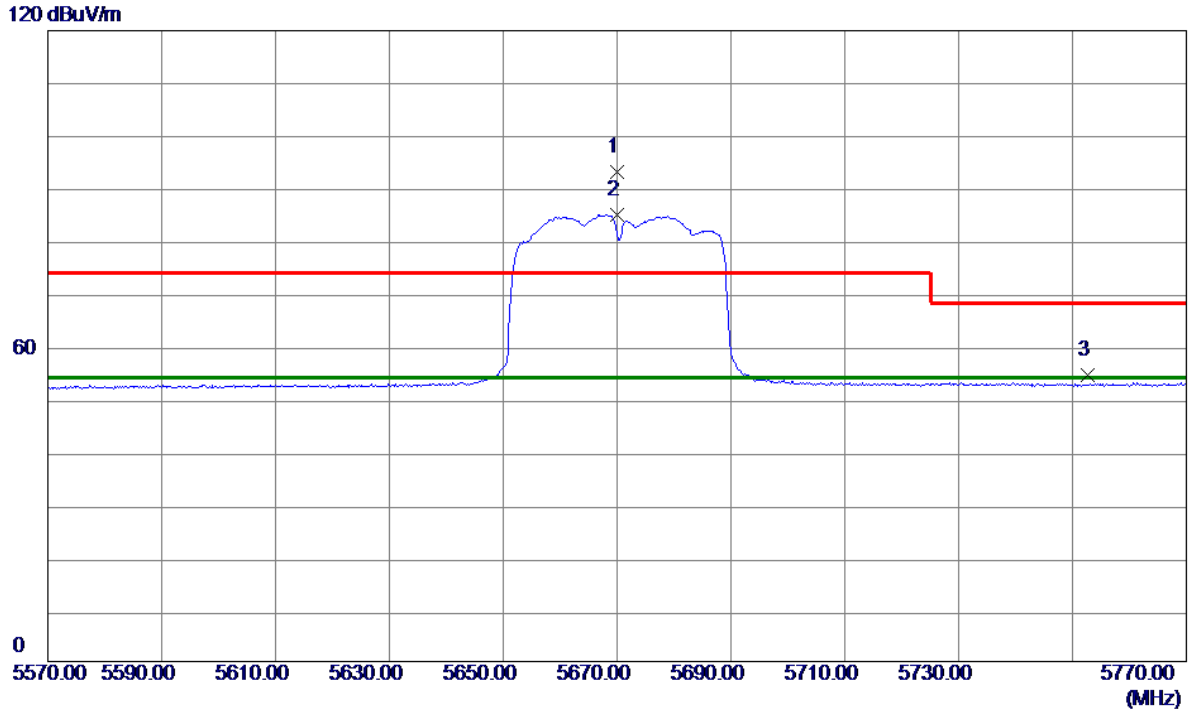
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11340.0000	48.34	3.24	51.58	74.00	-22.42	Peak	
2 *	11340.0000	36.31	3.24	39.55	54.00	-14.45	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

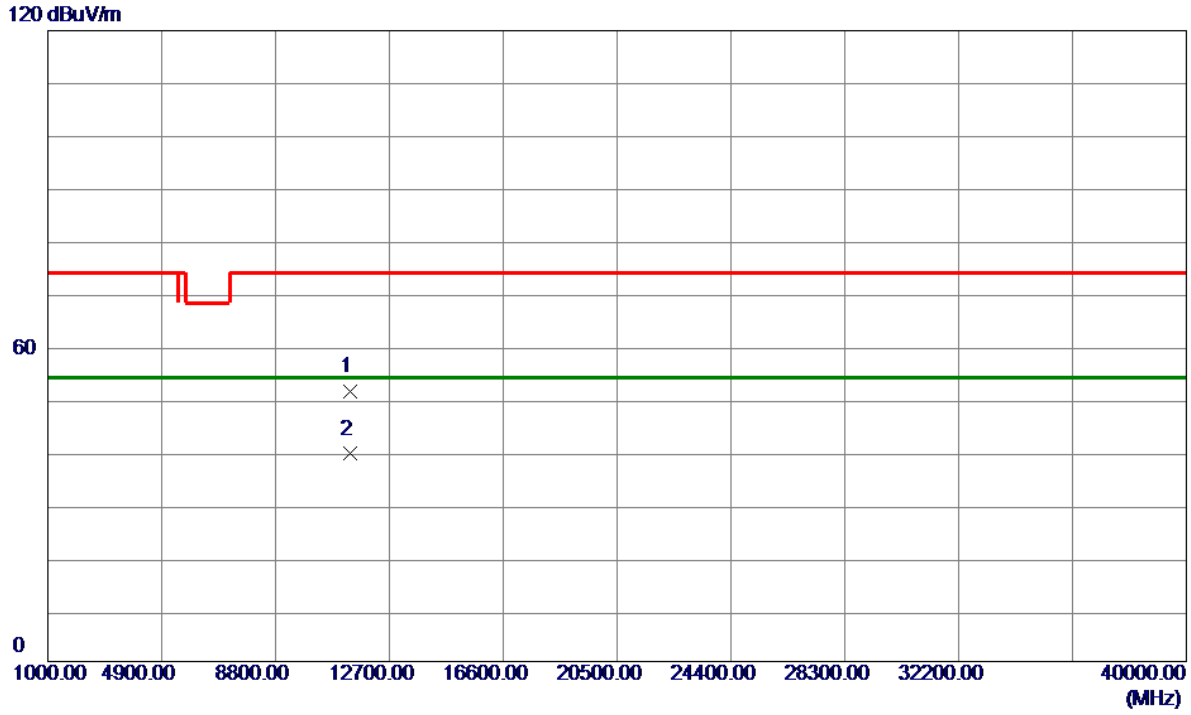
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5670.0000	54.78	38.38	93.16	74.00	19.16	Peak	
2 *	5670.0000	46.67	38.38	85.05	54.00	31.05	AVG	
3	5752.7650	15.85	38.61	54.46	68.20	-13.74	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

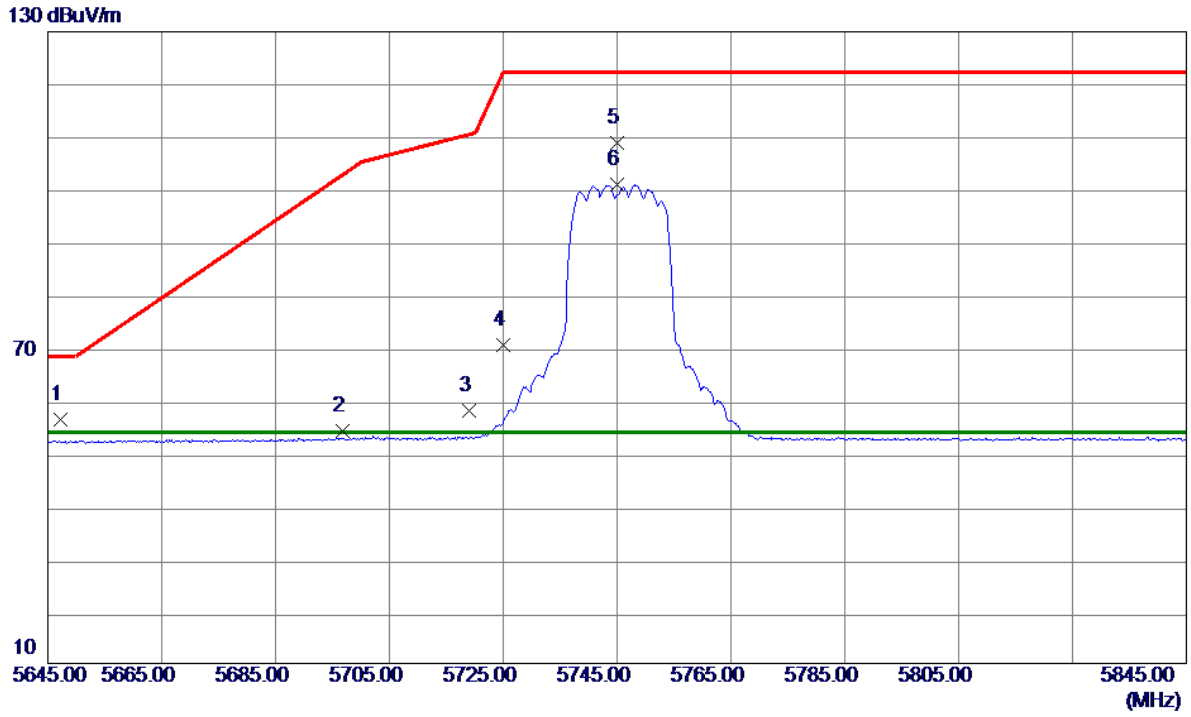
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11340.0000	48.03	3.24	51.27	74.00	-22.73	Peak	
2 *	11340.0000	36.24	3.24	39.48	54.00	-14.52	AVG	

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

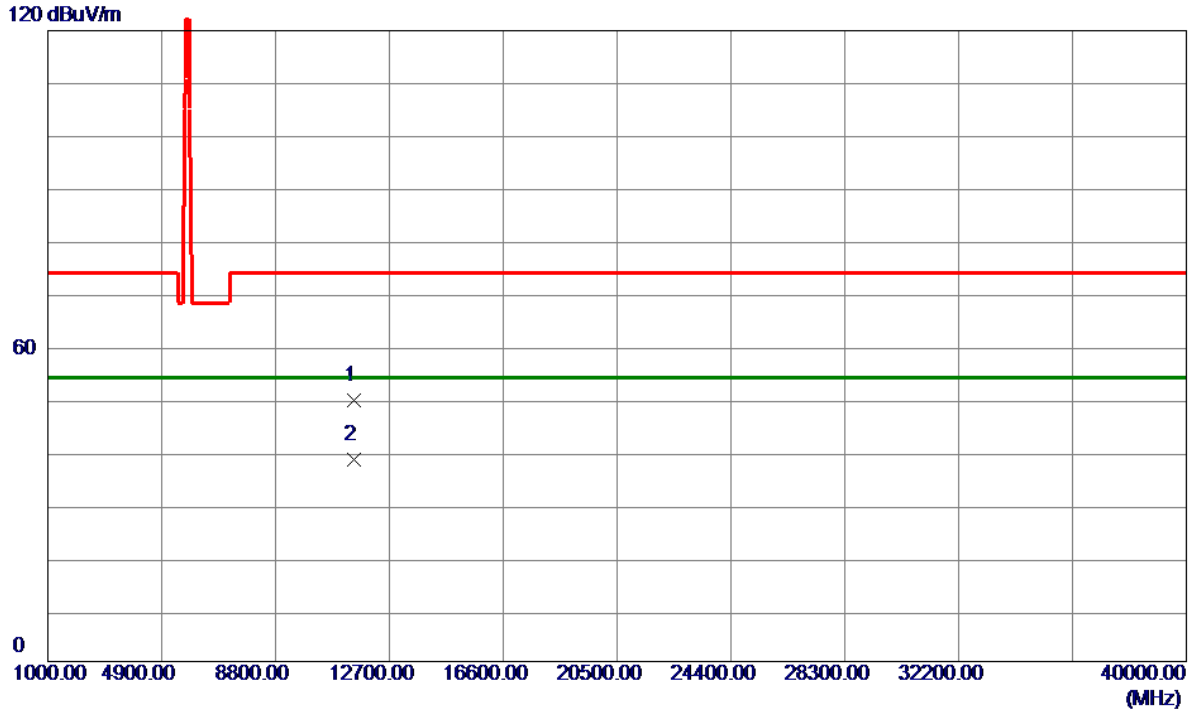
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5647.1250	18.06	38.32	56.38	68.20	-11.82	Peak	
2	5696.8000	15.70	38.46	54.16	102.83	-48.67	Peak	
3	5719.1000	19.59	38.52	58.11	110.55	-52.44	Peak	
4	5724.9400	31.92	38.53	70.45	122.06	-51.61	Peak	
5	5745.0000	70.21	38.59	108.80	122.20	-13.40	Peak	
6 *	5745.0000	62.45	38.59	101.04	54.00	47.04	AVG	

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

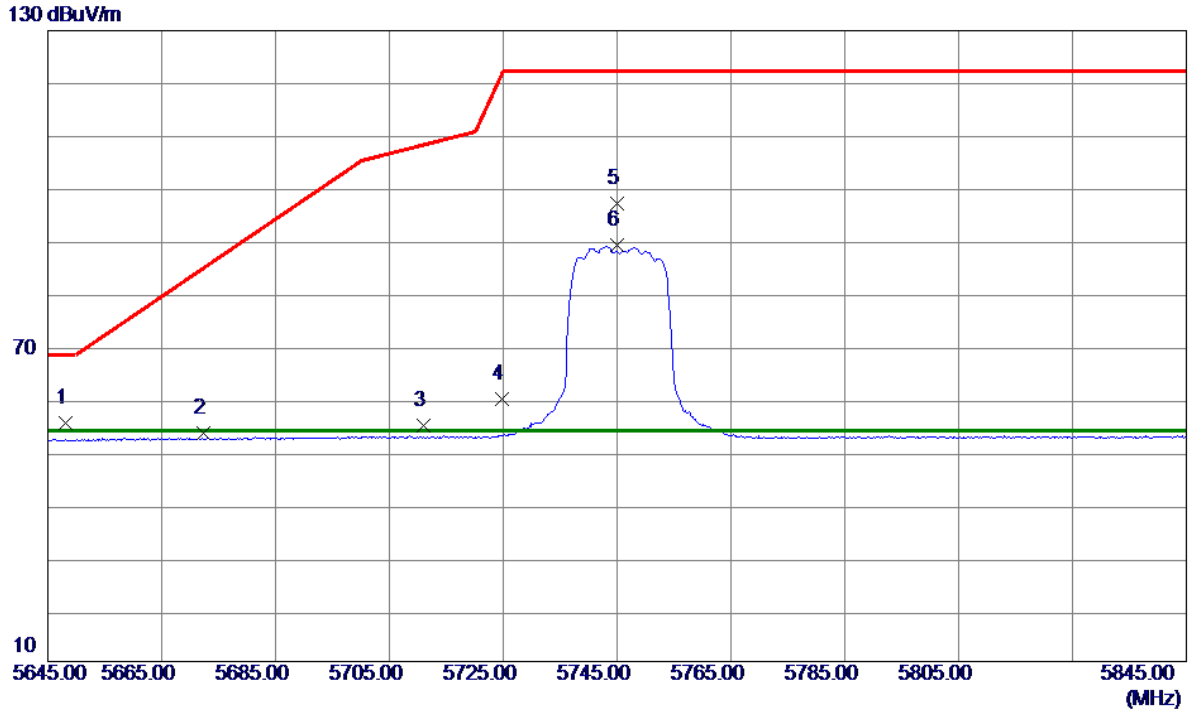
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.0000	46.28	3.41	49.69	74.00	-24.31	Peak	
2 *	11490.0000	34.90	3.41	38.31	54.00	-15.69	AVG	

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

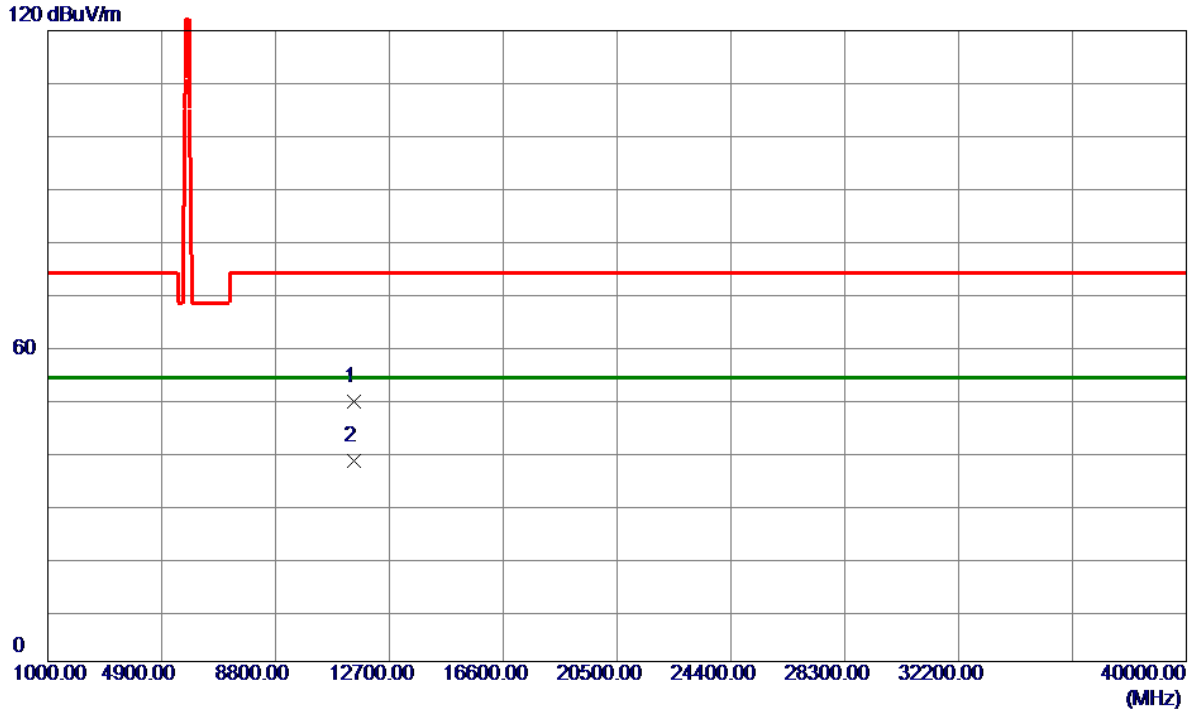
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5648.2200	17.07	38.32	55.39	68.20	-12.81	Peak	
2	5672.3000	15.06	38.39	53.45	84.70	-31.25	Peak	
3	5710.9000	16.50	38.49	54.99	108.25	-53.26	Peak	
4	5724.8800	21.44	38.53	59.97	121.93	-61.96	Peak	
5	5745.0000	58.43	38.59	97.02	122.20	-25.18	Peak	
6 *	5745.0000	50.59	38.59	89.18	54.00	35.18	AVG	

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

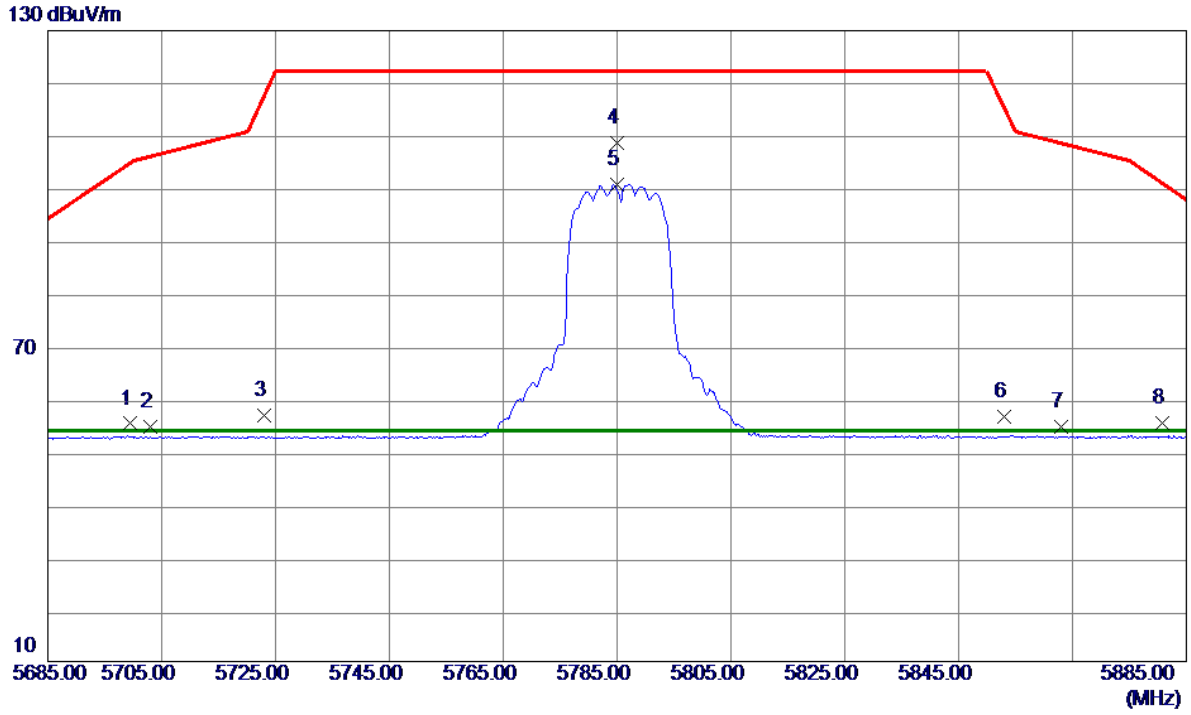
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.0000	46.11	3.41	49.52	74.00	-24.48	Peak	
2 *	11490.0000	34.79	3.41	38.20	54.00	-15.80	AVG	

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

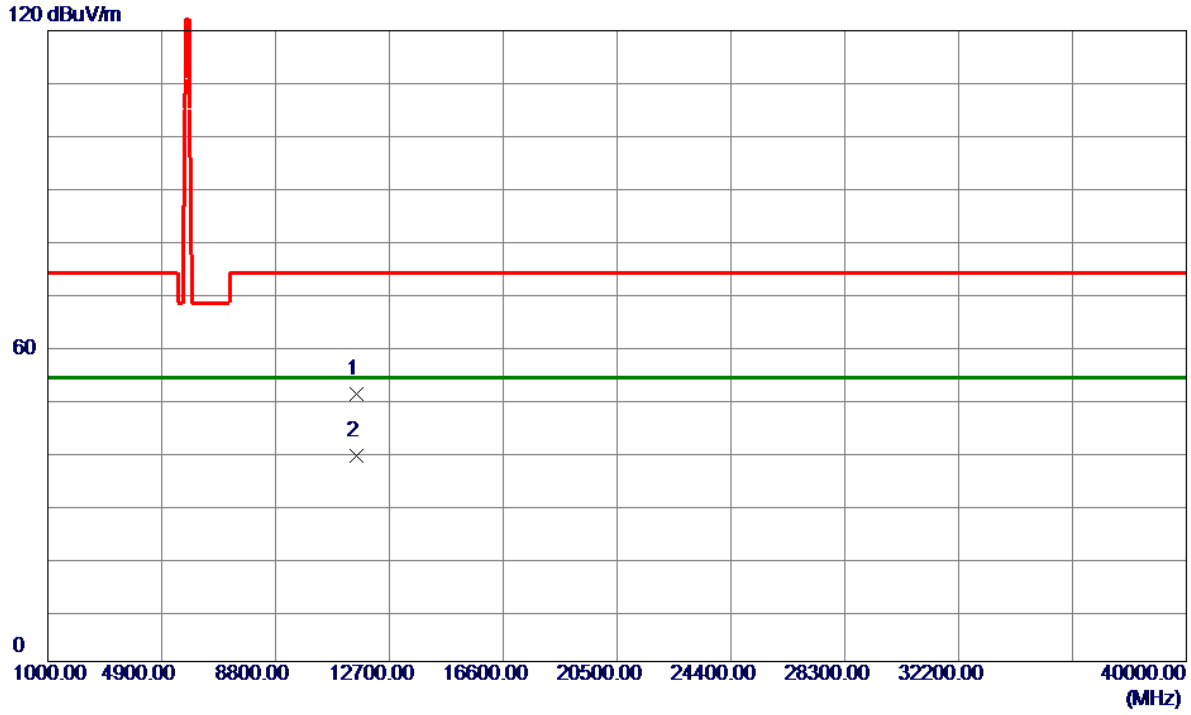
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5699.3700	16.78	38.46	55.24	104.73	-49.49	Peak	
2	5703.0400	16.12	38.47	54.59	106.05	-51.46	Peak	
3	5722.9600	18.24	38.53	56.77	117.55	-60.78	Peak	
4	5785.0000	69.83	38.70	108.53	122.20	-13.67	Peak	
5 *	5785.0000	62.07	38.70	100.77	54.00	46.77	AVG	
6	5852.9850	17.63	38.88	56.51	115.39	-58.88	Peak	
7	5862.9600	15.82	38.91	54.73	108.57	-53.84	Peak	
8	5880.8500	16.51	38.96	55.47	100.87	-45.40	Peak	

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

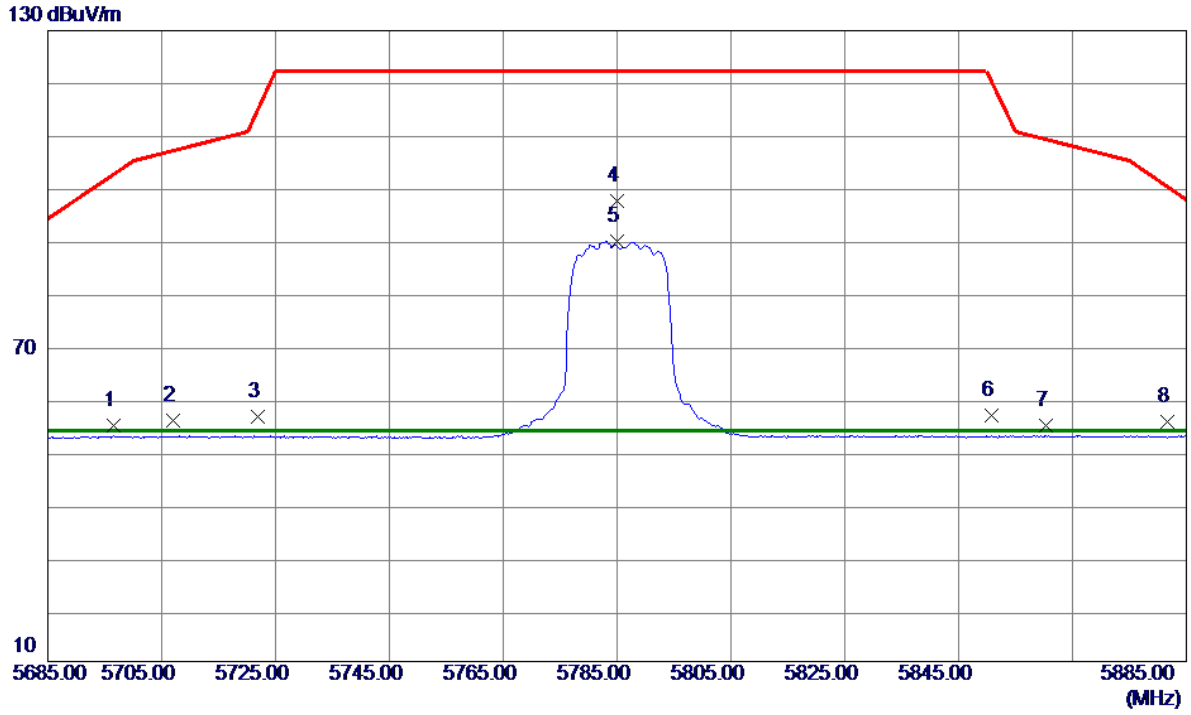
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.0000	47.69	3.28	50.97	74.00	-23.03	Peak	
2 *	11570.0000	35.79	3.28	39.07	54.00	-14.93	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5696.5800	16.44	38.45	54.89	102.67	-47.78	Peak	
2	5706.9600	17.35	38.48	55.83	107.15	-51.32	Peak	
3	5721.8100	18.05	38.52	56.57	114.93	-58.36	Peak	
4	5785.0000	58.86	38.70	97.56	122.20	-24.64	Peak	
5 *	5785.0000	51.12	38.70	89.82	54.00	35.82	AVG	
6	5850.7150	17.89	38.87	56.76	120.57	-63.81	Peak	
7	5860.4000	15.93	38.90	54.83	109.29	-54.46	Peak	
8	5881.7100	16.61	38.96	55.57	100.23	-44.66	Peak	