FCC Radio Test Report

FCC ID: V7TAC15

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

Project No.	:	1507C071
Equipment	:	AC1900 Smart Dual-Band Gigabit WiFi Router
Model Name	:	AC15
Applicant	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address	:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

Date of Receipt	:	Jul. 07, 2015
Date of Test	:	Jul. 07, 2015 ~ Aug. 12, 2015
Issued Date	:	Aug. 14, 2015
Tested by	:	BTL Inc.

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**., or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1507C071	Original Issue.	Aug. 14, 2015

1. CERTIFICATION

Equipment	:	AC1900 Smart Dual-Band Gigabit WiFi Router
Brand Name	:	Tenda
Model Name	:	AC15
Applicant	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Manufacturer	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address	:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
Date of Test	:	Jul. 07, 2015 ~ Aug. 12, 2015
Test Sample	:	ENGINEERING SAMPLE
Standard(s)	:	FCC Part15, Subpart E(15.407) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1507C071) 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).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

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

A. Conducted Measurement:

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

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)	Note
DG-CB03 (3m)	CISPR	9KHz ~ 30MHz	V	3.79	
		9KHz ~ 30MHz	H	3.57	
		30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	H	3.78	
		200MHz ~ 1,000MHz	V	4.10	
		200MHz ~ 1,000MHz	H	4.06	

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)	Note
DG-CB03 (3m)	CISPR	1GHz ~ 18GHz	V	3.12	
		1GHz ~ 18GHz	H	3.68	
		18GHz ~ 40GHz	V	4.15	
		18GHz ~ 40GHz	H	4.14	

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	AC1900 Smart Dual-Band Gigabit WiFi Router	
Brand Name	Tenda	
Model Name	AC15	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	1.3Gbps
	Output Power (Max.)for UNII-1	802.11a: 17.71dBm 802.11n (20M): 21.16dBm 802.11n (40M): 19.27dBm 802.11ac (20M): 17.91dBm 802.11ac (40M): 18.36dBm 802.11ac (80M): 17.99dBm
	Output Power (Max.)for UNII-3	802.11a: 18.28dBm 802.11n (20M): 16.64dBm 802.11n (40M): 18.62dBm 802.11ac (20M): 15.99dBm 802.11ac (40M): 18.49dBm 802.11ac (80M): 15.81dBm
Power Source	DC Voltage supplied from AC/DC adapter. Manufacturer: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO.,LTD Model: BN041-A30012U	
Power Rating	I/P:100-240V ~, 50/60Hz, 0.9A O/P:12V 2.5A	

Note:

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

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

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

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Tenda	N/A	Dipole	N/A	3.0	5G
2	Tenda	N/A	Dipole	N/A	3.0	5G
3	Tenda	N/A	Dipole	N/A	3.0	5G

Note:
(1) The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and receivers (3T3R).
(2) ANT 1 for 1TX is the worst case.
(3) Antenna Gain=3 dBi. This EUT supports MIMO 3X3, any transmit signals are correlated with each other, so Directional gain = G_{ANT}+10log(N)dBi, that is Directional gain=3+10log(3)dBi=7.77; So, the UNII-1,UNII-3 output power limit is 30-7.77+6=28.23. The UNII-1 power density limit is 17-7.77+6=15.23, the UNII-3 power density limit is 30-7.77+6=28.23.
(4)

4.

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

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

Note:

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

3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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

UNII-1 - 1TX			
Test Software Version	ART		
Frequency (MHz)	5180	5200	5240
A Mode	65	75	75

UNII-3 - 1TX			
Test Software Version	ART		
Frequency (MHz)	5745	5785	5825
A Mode	70	70	66

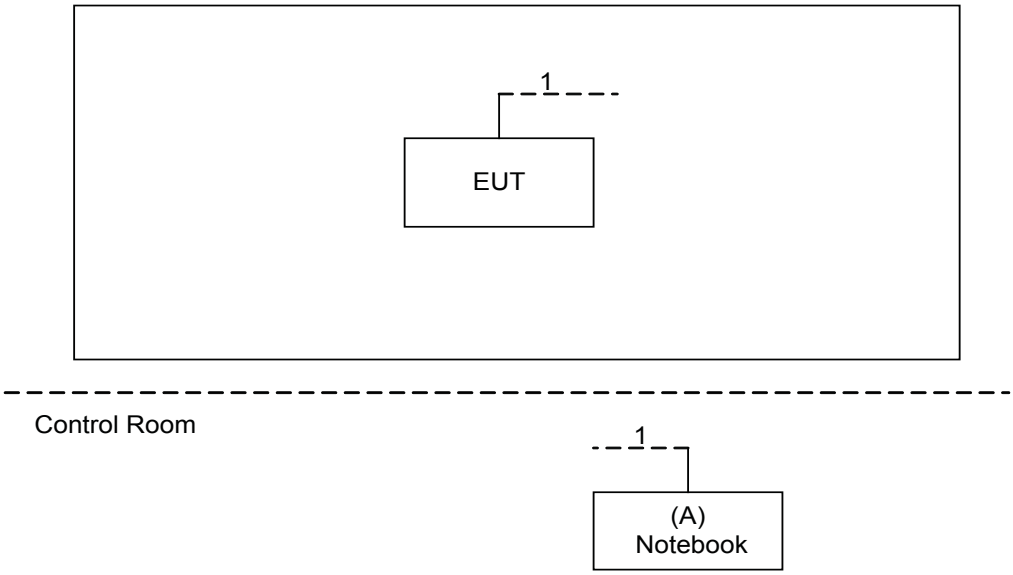
UNII-1 - 3TX			
Test Software Version	RT		
Frequency (MHz)	5180	5200	5240
N20 Mode	61	71	71
Frequency (MHz)	5190	5230	
N40 Mode	61	65	

UNII-3 - 3TX			
Test Software Version	ART		
Frequency (MHz)	5745	5785	5825
N20 Mode	45	48	45
Frequency (MHz)	5755	5795	
N40 Mode	54	53	

UNII-1 - 3TX			
Test Software Version	ART		
Frequency (MHz)	5180	5200	5240
AC20 Mode	50	60	55
Frequency (MHz)	5190	5230	
AC40 Mode	61	63	
Frequency (MHz)	5210		
AC80 Mode	64		

UNII-3 - 3TX			
Test Software Version	ART		
Frequency (MHz)	5745	5785	5825
AC20 Mode	45	48	43
Frequency (MHz)	5755	5795	
AC40 Mode	56	53	
Frequency (MHz)	5775		
AC80 Mode	48		

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.	Note
A	PC	Lenovo	H2510	DOC	SS07999198	

Item	Shielded Type	Ferrite Core	Length	Note
1	NA	NA	10M	RJ-45 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.

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

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.

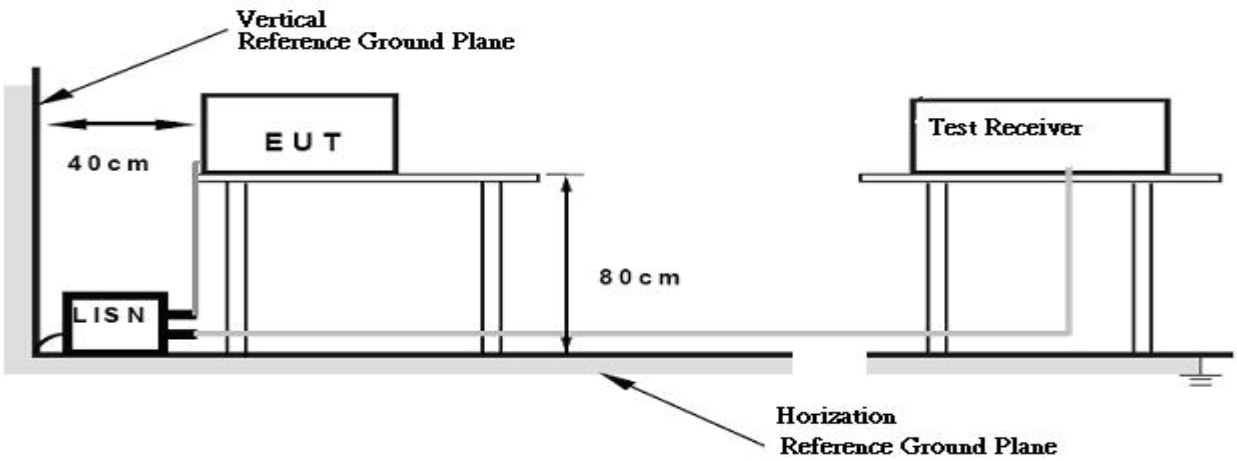
d. LISN at least 80 cm from nearest part of EUT chassis.

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: 24°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment 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

Note:

(1) The limit for radiated test was performed according to FCC PART 15C.

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

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 (beyond 10MHz of the band edge)	68.3
	-17 (within 10 MHz of band edge)	78.3

Note: 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)

4.2.2 TEST PROCEDURE

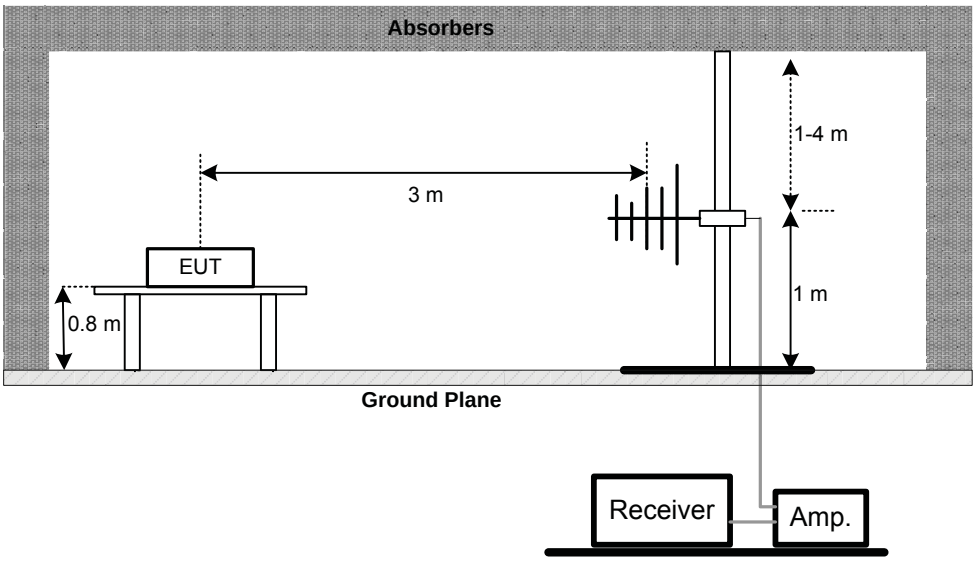
a. The measuring distance of at 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of at 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 0.8 m 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. The initial step in collecting conducted 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.
e. 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)
f. 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)
g. For the actual test configuration, please refer to the related Item - Block Diagram of system tested (please refer to 3.3).

4.2.3 DEVIATION FROM TEST STANDARD

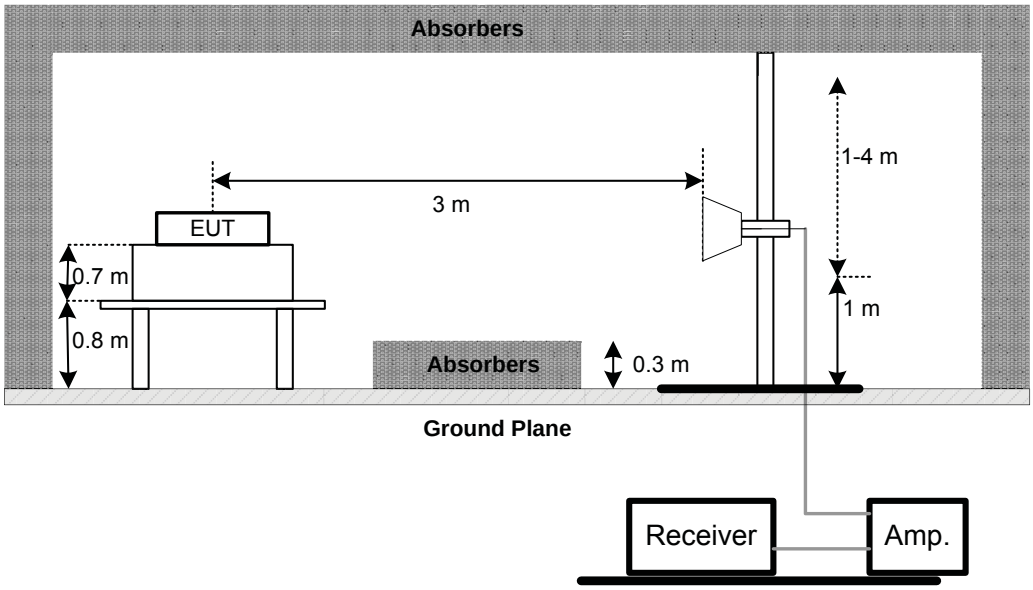
No deviation

4.2.4 TEST SETUP

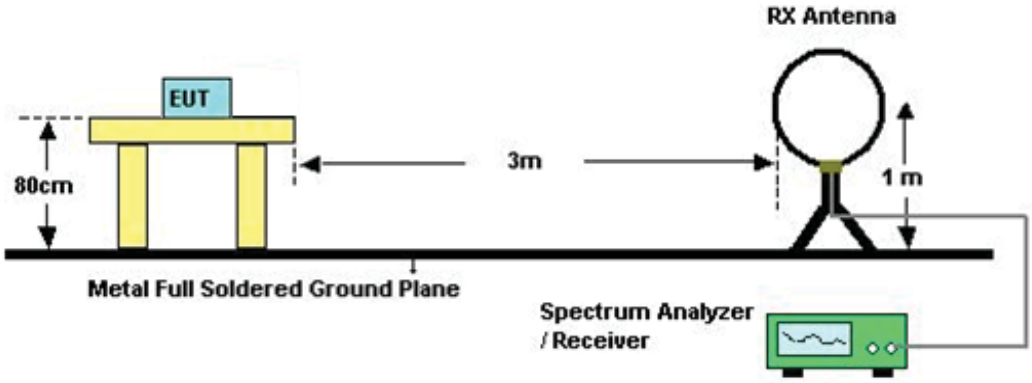
(A) Radiated Emission Test Set-Up Frequency Below 1GHz



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



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

Temperature: 28°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Attachment 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 Attachment C.

Remark:

(1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120kHz；SPA setting in RBW=120kHz, VBW =120kHz, Swp. Time = 0.3 sec./MHz。
(2) 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。
(3) Measuring frequency range from 30MHz to 1000MHz。
(4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table。

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Attachment D.

Remark:

(1) Spectrum Setting: 30MHz – 1000MHz , RBW= 100kHz, VBW=100kHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn‘t perform.
(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。
(4) Data of measurement within this frequency range shown “ * ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
(6) EUT Orthogonal Axes:
“X” - denotes Laid on Table；”Y” - denotes Vertical Stand；”Z” - denotes Side Stand
(7) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.
(8) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

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

5.1.1 TEST PROCEDURE

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

b.

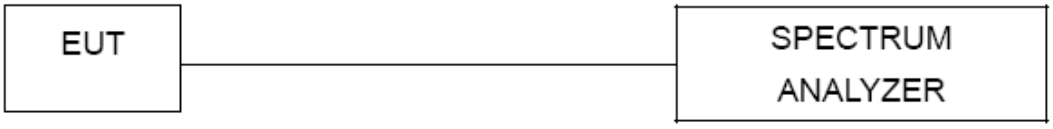
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz
VBW	1000 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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: 28°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

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

b.

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

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27dBm/MHz	5150-5250	PASS
	Below -17dBm/MHz within 10MHz of band edge, below -27dBm/MHz beyond 10MHz of the band edge	5725-5850	PASS

7.1.1 TEST PROCEDURE

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

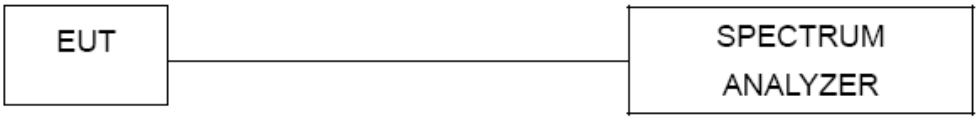
b.

Spectrum Parameter	Setting
Attenuation	Auto
RBW	1000kHz
VBW	1000kHz
Trace	Max Hold
Sweep Time	Auto

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

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

7.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

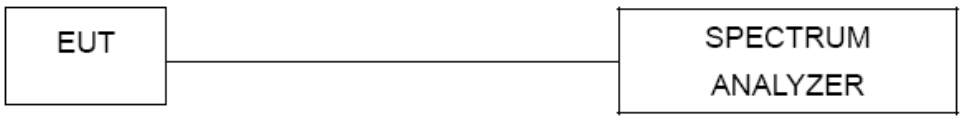
Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01, 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.

8.1.1 DEVIATION FROM STANDARD

No deviation.

8.1.2 TEST SETUP



8.1.3 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.

8.1.4 EUT TEST CONDITIONS

Temperature: 28°C Relative Humidity: 56% Test Voltage: AC 120V/60Hz

8.1.5 TEST RESULTS

Please refer to the Attachment H.

9. FREQUENCY STABILITY MEASUREMENT

9.1 APPLIED PROCEDURES / LIMIT

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

9.1.1 TEST PROCEDURE

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

b.

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

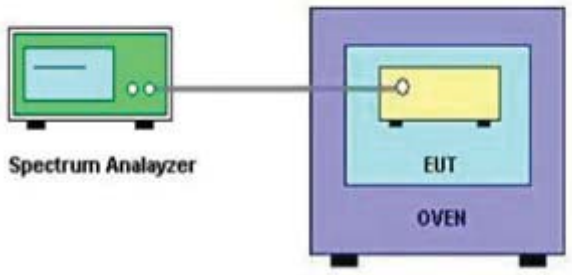
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is 0°C~50°C.

9.1.2 DEVIATION FROM STANDARD

No deviation.

9.1.3 TEST SETUP



9.1.4 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.

9.1.5 EUT TEST CONDITIONS

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

9.1.6 TEST RESULTS

Please refer to the Attachment I.

10. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Mar. 28, 2016
2	LISN	R&S	ENV216	101447	Mar. 28, 2016
3	Test Cable	emci	RG223(9KHz-30 MHz)	C_17	Mar. 13, 2016
4	EMI Test Receiver	R&S	ESCS30	826547/022	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 28, 2016
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Nov. 17, 2015
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 28, 2016
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Nov. 02, 2015
8	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
9	Test Cable	emci	EMC104-SM-SM-10000(1GHz－26.5GHz)	C-68	Jun. 28, 2016
10	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
11	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 28, 2016
12	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Aug. 15, 2016
13	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	power Meter	ANRITSU	ML2495A	1128009	Mar. 28, 2016
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 28, 2016

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015
3	Const Temp. & Humidity Chamber	GIANT FORCE	ITH-225-20-S	IAB0309-001	Dec.12, 2015

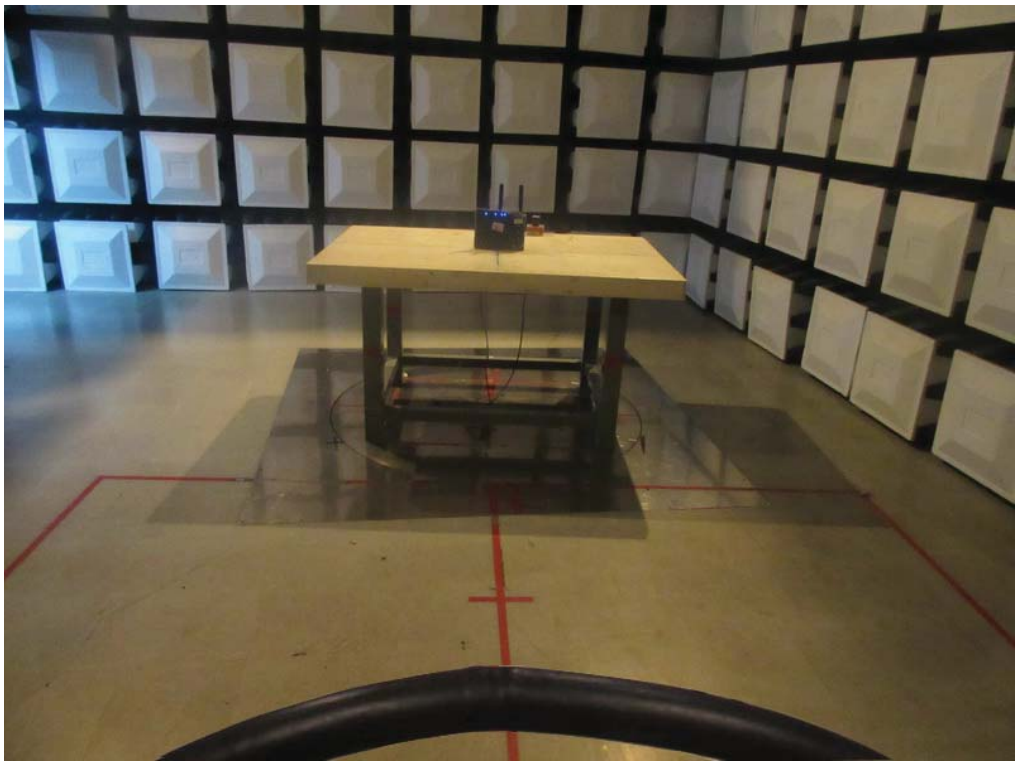
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

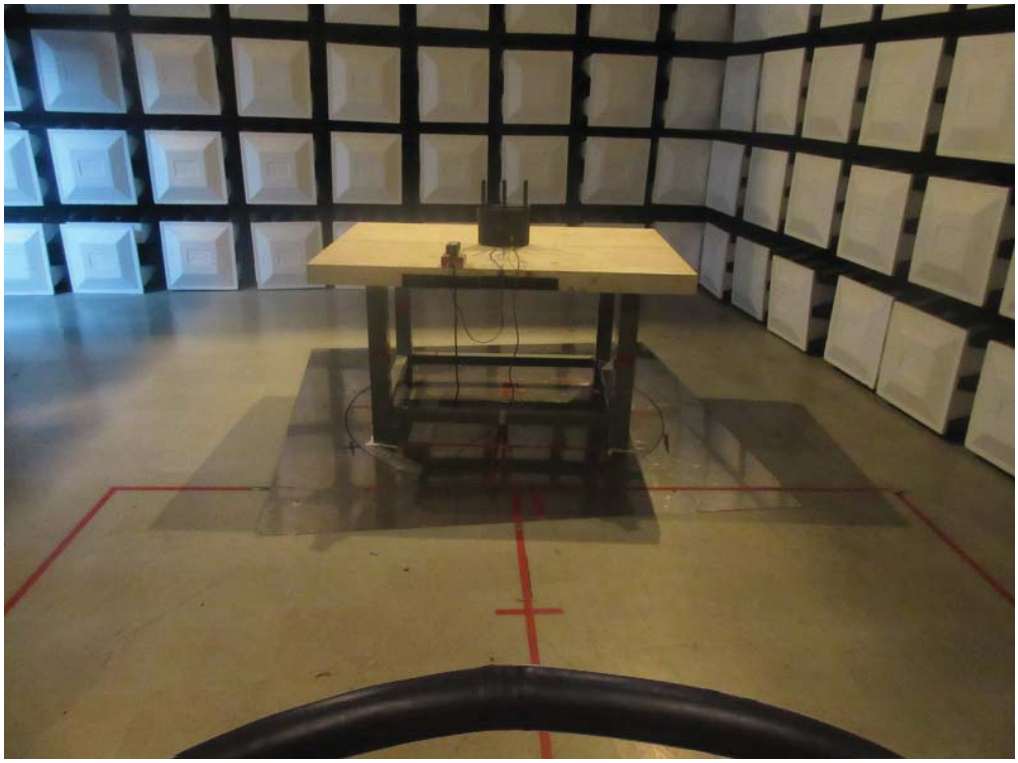
11. EUT TEST PHOTOS

Conducted Measurement Photos

Radiated Measurement Photos

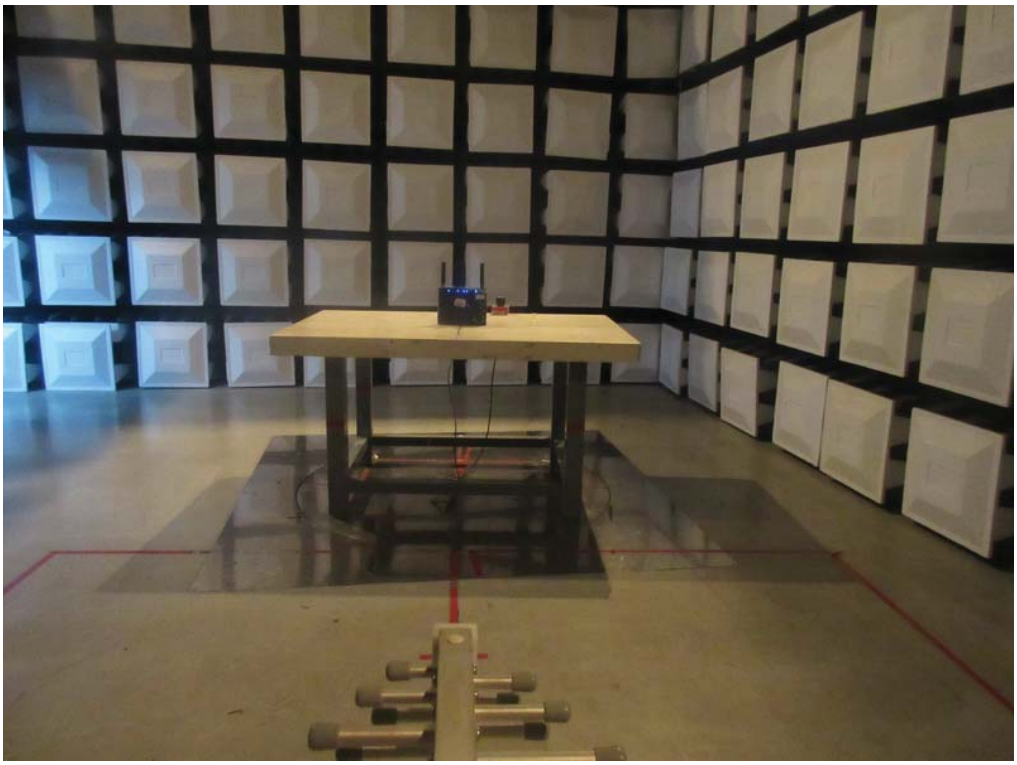
9KHz to 30MHz

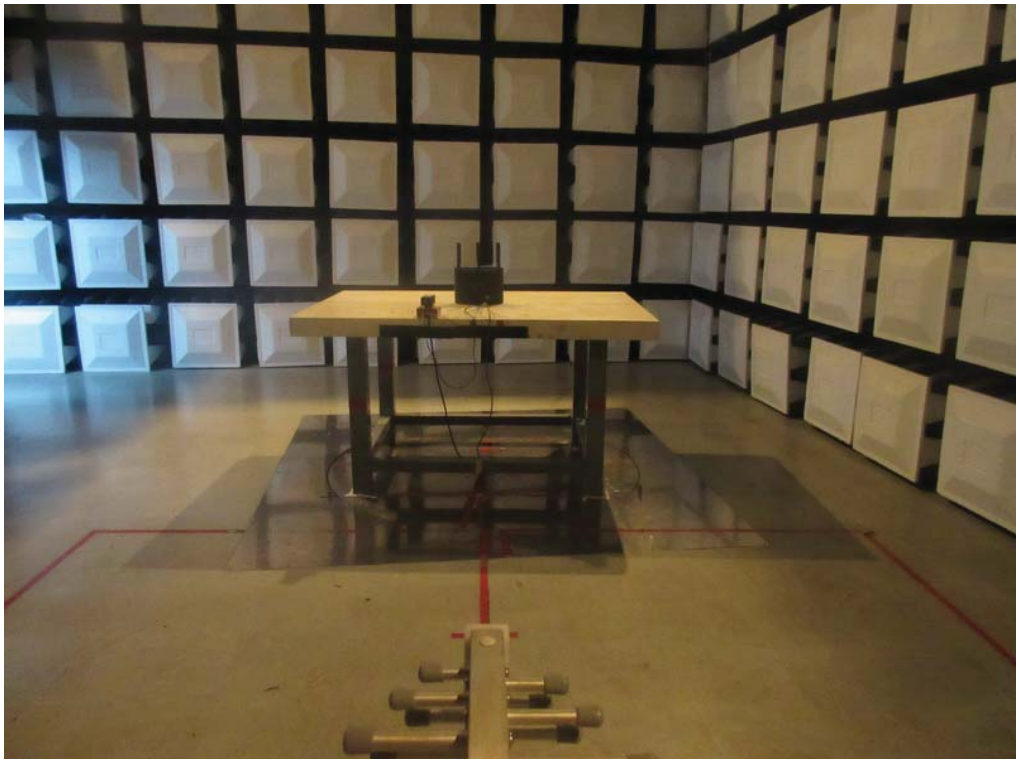




Radiated Measurement Photos

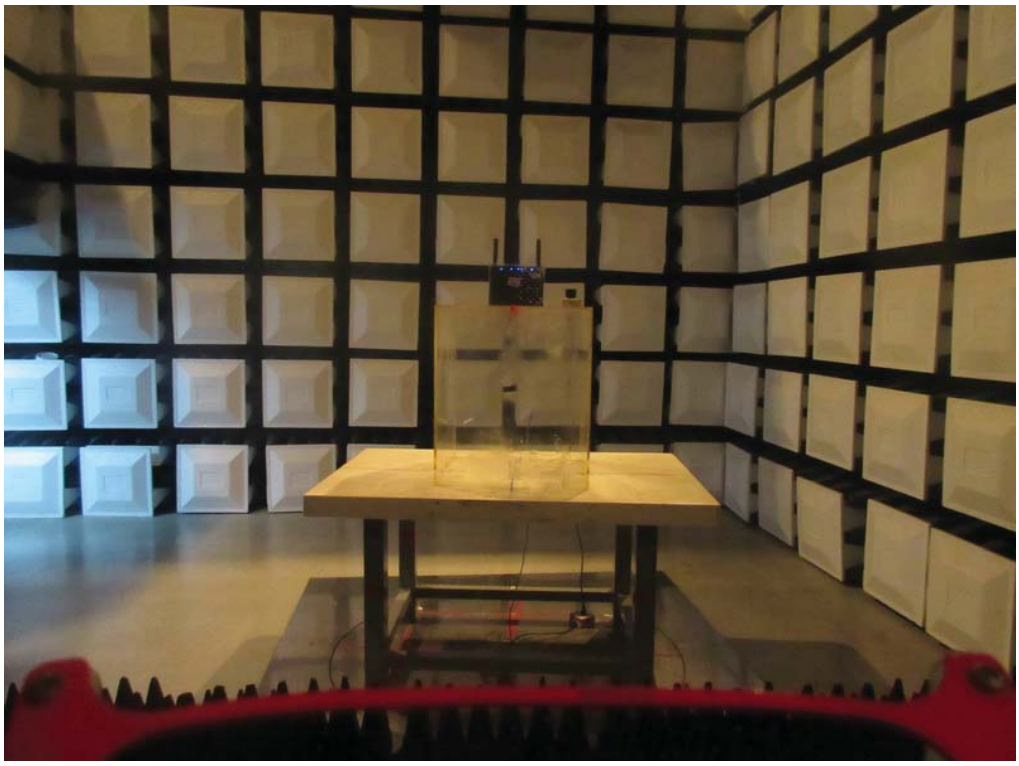
30MHz to 1000MHz

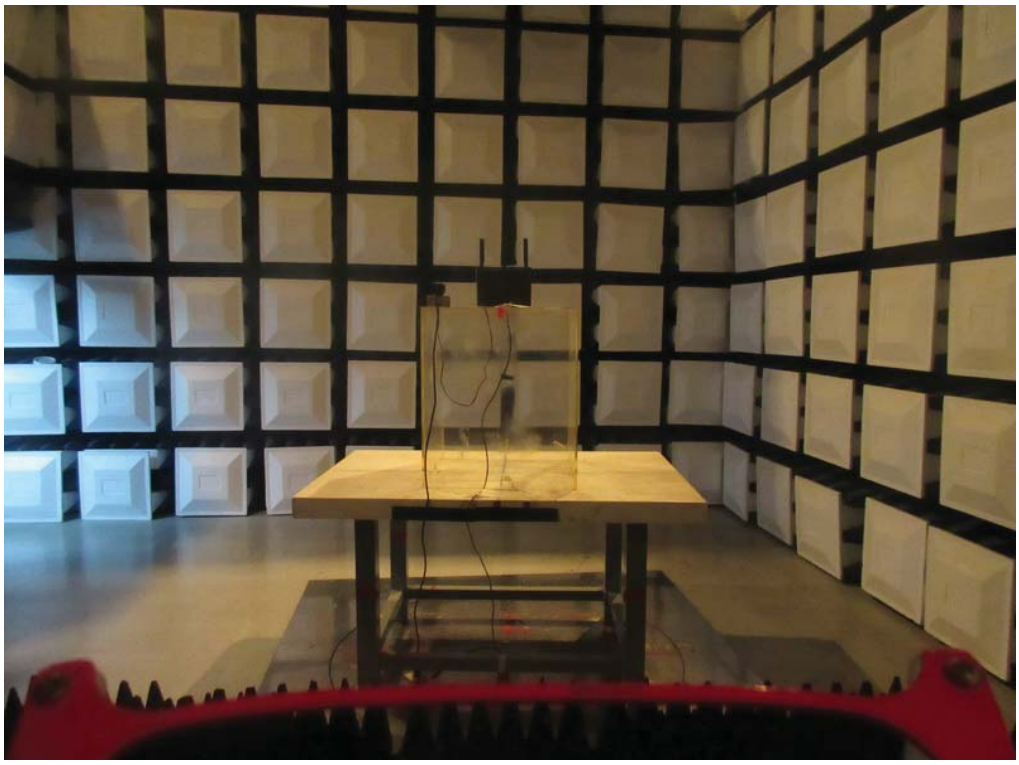




Radiated Measurement Photos

Above 1000MHz

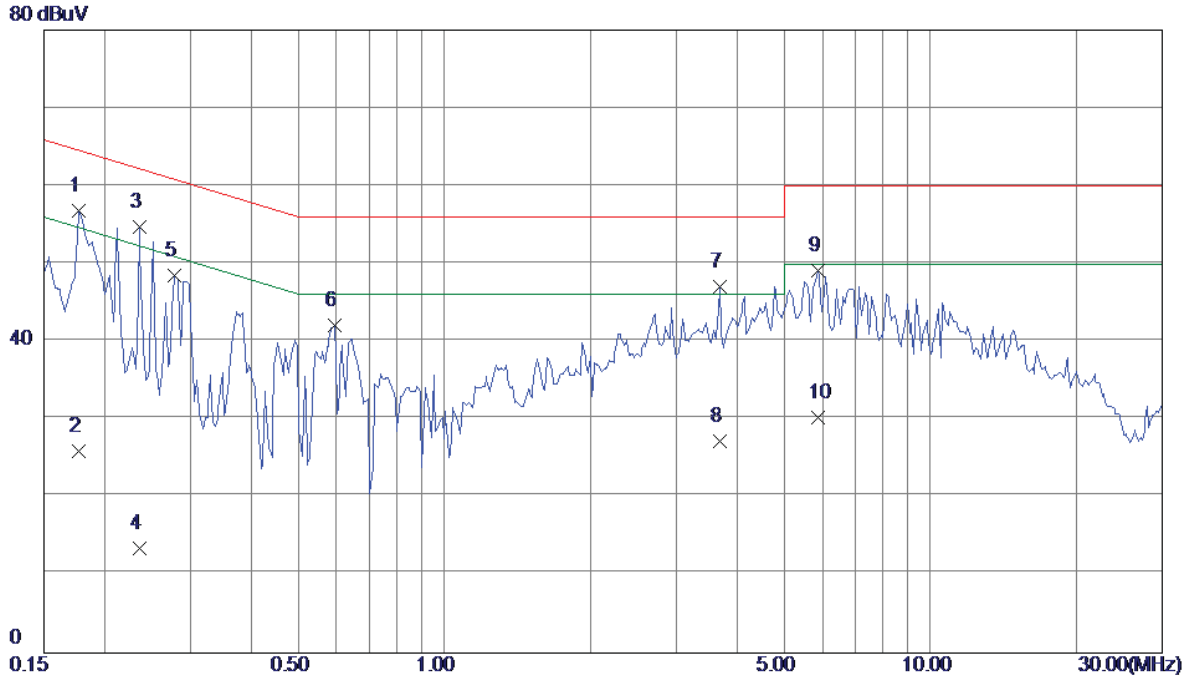




ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX MODE

Line

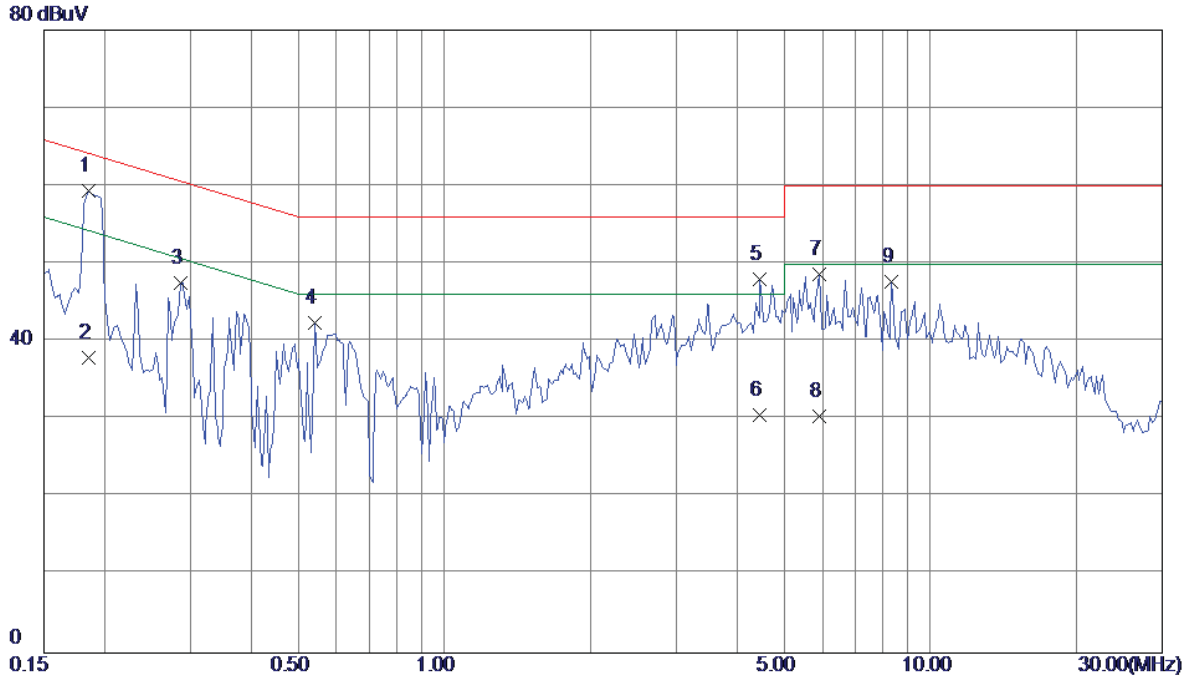


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1773	47.22	9.56	56.78	64.61	-7.83	Peak	
2	0.1773	16.40	9.56	25.96	54.61	-28.65	AVG	
3	0.2360	45.09	9.60	54.69	62.24	-7.55	Peak	
4	0.2360	3.90	9.60	13.50	52.24	-38.74	AVG	
5	0.2790	38.81	9.63	48.44	60.85	-12.41	Peak	
6	0.5953	32.30	9.71	42.01	56.00	-13.99	Peak	
7	3.6953	37.09	9.99	47.08	56.00	-8.92	Peak	
8	3.6953	17.19	9.99	27.18	46.00	-18.82	AVG	
9	5.8788	39.16	9.96	49.12	60.00	-10.88	Peak	
10	5.8788	20.29	9.96	30.25	50.00	-19.75	AVG	

Note：The test result has included the cable loss.

Test Mode:	TX MODE

Neutral



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1852	49.86	9.49	59.35	64.25	-4.90	Peak	
2	0.1852	28.50	9.49	37.99	54.25	-16.26	AVG	
3	0.2867	37.97	9.52	47.49	60.62	-13.13	Peak	
4	0.5406	32.85	9.56	42.41	56.00	-13.59	Peak	
5	4.4608	38.07	9.91	47.98	56.00	-8.02	Peak	
6	4.4608	20.70	9.91	30.61	46.00	-15.39	AVG	
7	5.8945	38.75	9.88	48.63	60.00	-11.37	Peak	
8	5.8945	20.50	9.88	30.38	50.00	-19.62	AVG	
9	8.3281	37.91	9.85	47.76	60.00	-12.24	Peak	

Note：The test result has included the cable loss.

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

Test Mode:	TX MODE

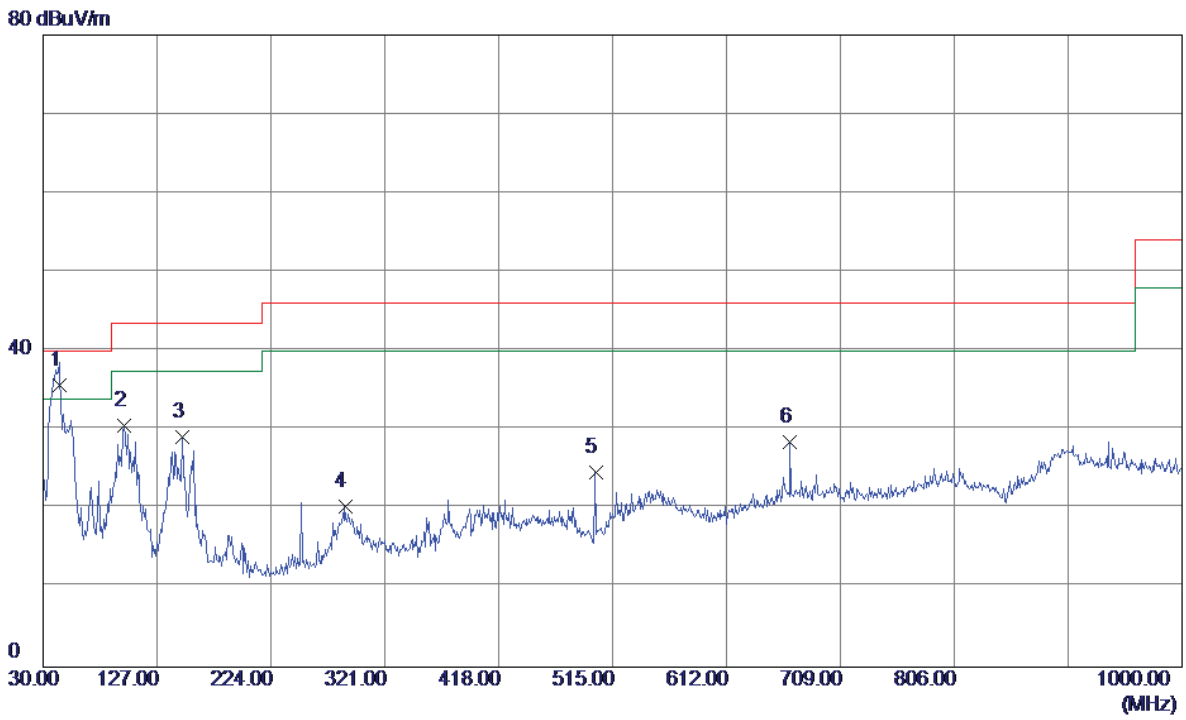
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0089	0°	12.35	25.0030	37.3530	128.6164	-91.2634	AVG
0.0089	0°	15.17	25.0030	40.1730	148.6164	-108.4434	PEAK
0.0158	0°	9.26	24.5660	33.8260	123.6311	-89.8051	AVG
0.0158	0°	10.35	24.5660	34.9160	143.6311	-108.7151	PEAK
0.0237	0°	6.13	24.0657	30.1957	120.1093	-89.9136	AVG
0.0237	0°	8.41	24.0657	32.4757	140.1093	-107.6336	PEAK
0.0413	0°	1.24	22.9510	24.1910	115.2852	-91.0942	AVG
0.0413	0°	2.57	22.9510	25.5210	135.2852	-109.7642	PEAK
0.5203	0°	18.13	19.8650	37.9950	73.2791	-35.2842	QP
1.9216	0°	22.45	19.5078	41.9578	69.5400	-27.5822	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0126	90°	10.71	24.3000	35.0100	125.5968	-90.5868	AVG
0.0126	90°	12.15	24.3000	36.4500	145.5968	-109.1468	PEAK
0.0281	90°	6.26	23.7870	30.0470	118.6301	-88.5831	AVG
0.0281	90°	7.13	23.7870	30.9170	138.6301	-107.7131	PEAK
0.0353	90°	2.62	23.3310	25.9510	116.6487	-90.6977	AVG
0.0353	90°	3.39	23.3310	26.7210	136.6487	-109.9277	PEAK
0.0452	90°	1.03	22.7040	23.7340	114.5015	-90.7675	AVG
0.0452	90°	2.31	22.7040	25.0140	134.5015	-109.4875	PEAK
0.6152	90°	20.49	20.1686	40.6586	71.8239	-31.1653	QP
2.3057	90°	24.37	19.3166	43.6866	69.5400	-25.8534	QP

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

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

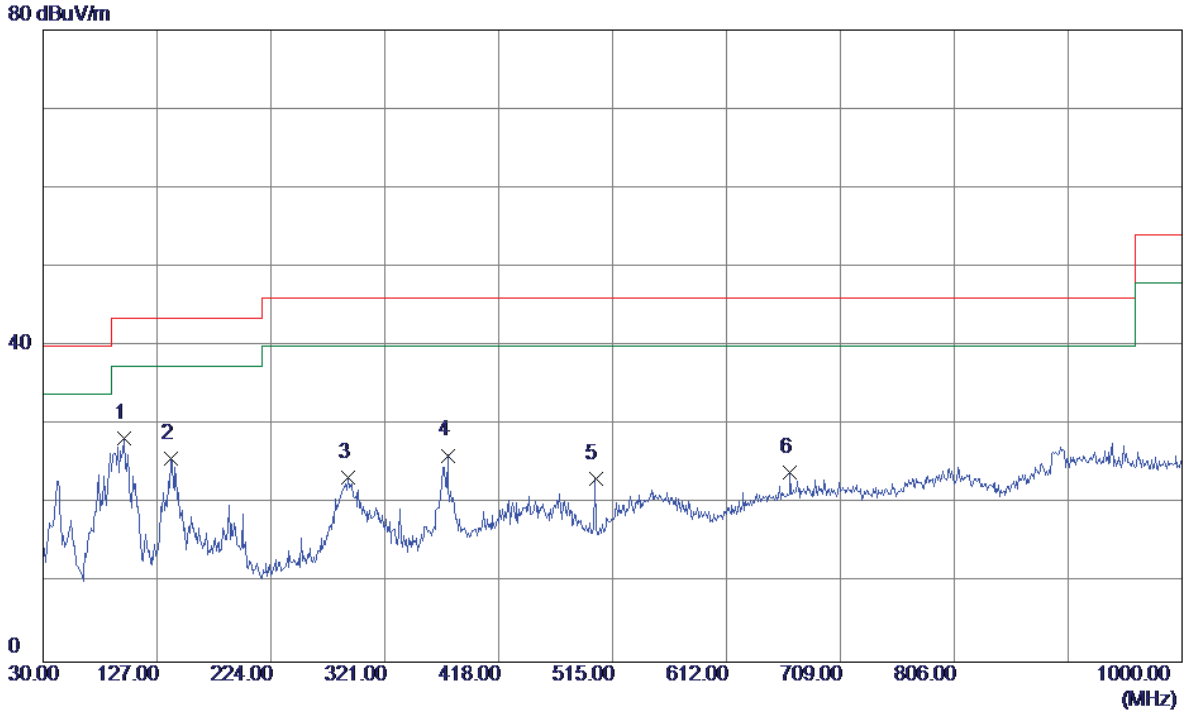
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	43.5800	49.26	-13.53	35.73	40.00	-4.27	QP	
2	98.8700	46.65	-16.16	30.49	43.50	-13.01	Peak	
3	148.3400	42.33	-13.19	29.14	43.50	-14.36	Peak	
4	287.0500	31.75	-11.37	20.38	46.00	-25.62	Peak	
5	500.4500	34.66	-9.95	24.71	46.00	-21.29	Peak	
6	666.3200	33.25	-4.81	28.44	46.00	-17.56	Peak	

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

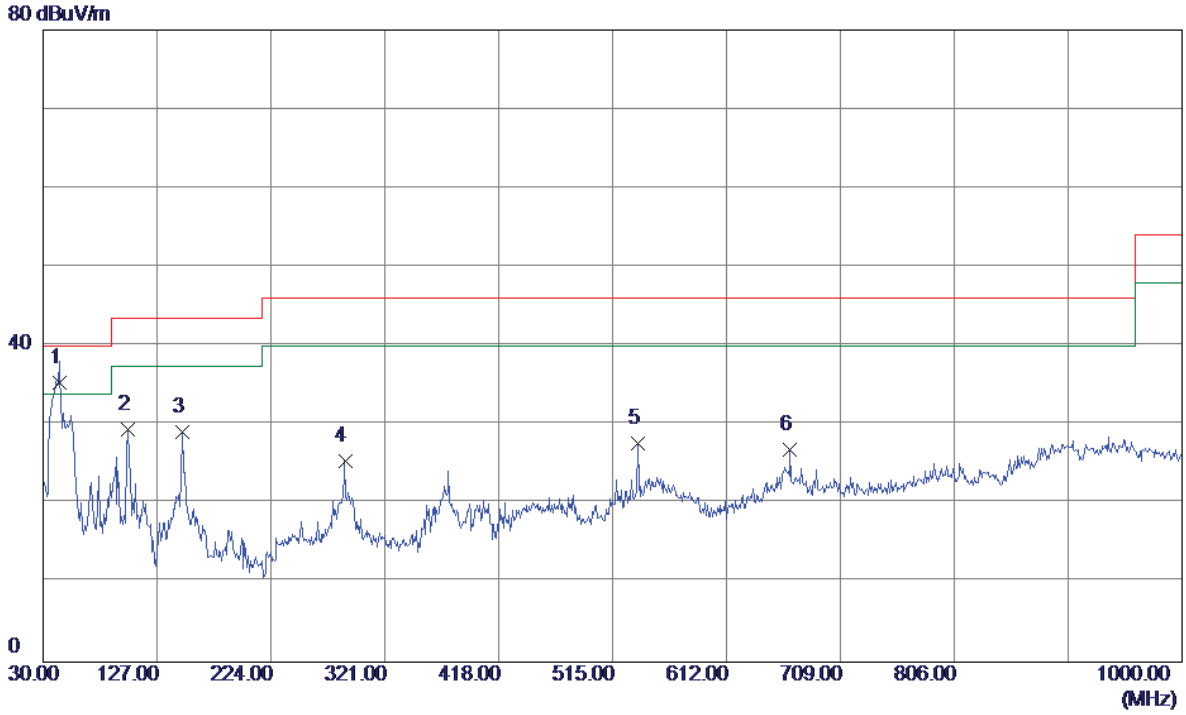
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	98.8700	44.48	-16.16	28.32	43.50	-15.18	Peak	
2	138.6400	39.72	-13.95	25.77	43.50	-17.73	Peak	
3	289.9600	34.34	-11.01	23.33	46.00	-22.67	Peak	
4	374.3500	36.52	-10.36	26.16	46.00	-19.84	Peak	
5	500.4500	33.17	-9.95	23.22	46.00	-22.78	Peak	
6	666.3200	28.76	-4.81	23.95	46.00	-22.05	Peak	

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

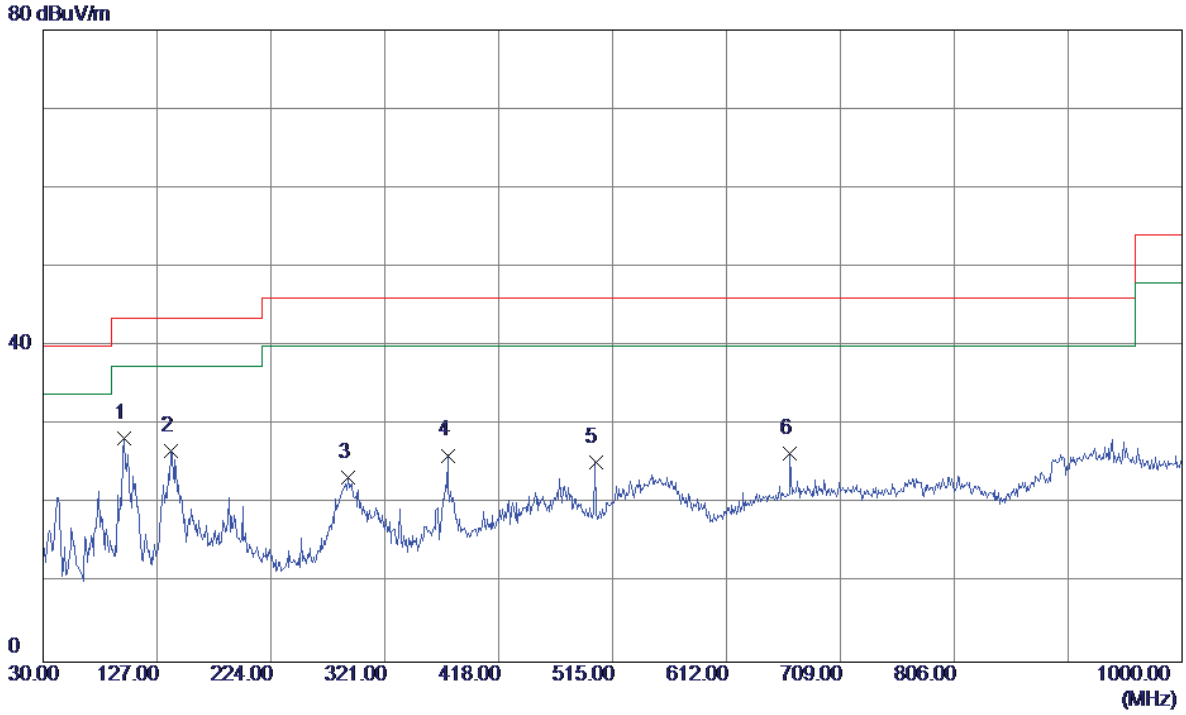
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	43.5800	48.95	-13.53	35.42	40.00	-4.58	QP	
2	101.7800	45.30	-15.88	29.42	43.50	-14.08	Peak	
3	148.3400	42.33	-13.19	29.14	43.50	-14.36	Peak	
4	287.0500	36.75	-11.37	25.38	46.00	-20.62	Peak	
5	536.3400	34.19	-6.47	27.72	46.00	-18.28	Peak	
6	666.3200	31.75	-4.81	26.94	46.00	-19.06	Peak	

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

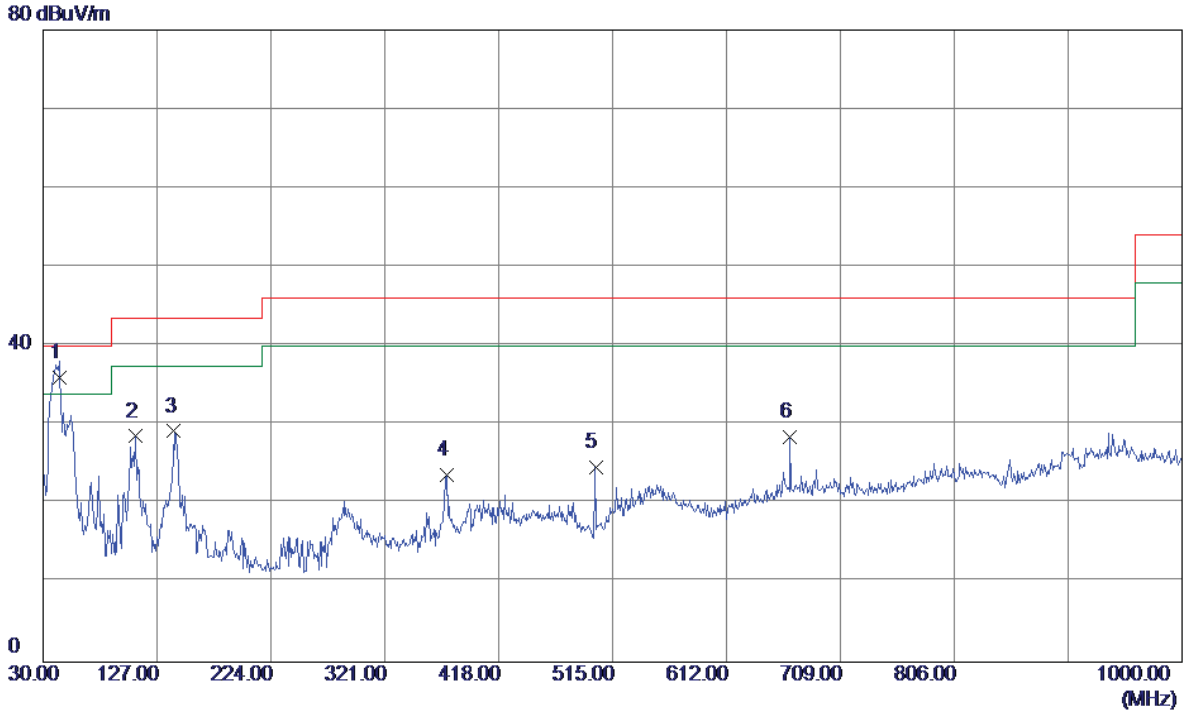
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	98.8700	44.48	-16.16	28.32	43.50	-15.18	Peak	
2	138.6400	40.72	-13.95	26.77	43.50	-16.73	Peak	
3	289.9600	34.33	-11.01	23.32	46.00	-22.68	Peak	
4	374.3500	36.52	-10.36	26.16	46.00	-19.84	Peak	
5	500.4500	35.17	-9.95	25.22	46.00	-20.78	Peak	
6	666.3200	31.26	-4.81	26.45	46.00	-19.55	Peak	

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

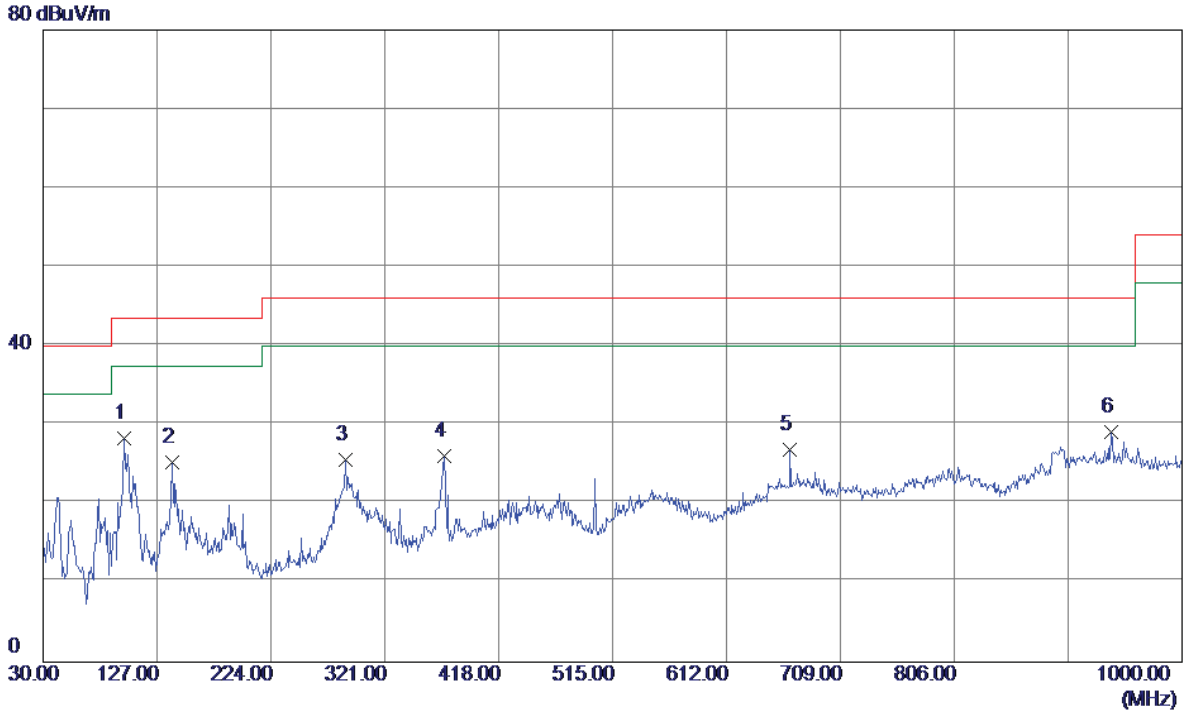
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	43.5800	49.52	-13.53	35.99	40.00	-4.01	QP	
2	108.5700	44.03	-15.47	28.56	43.50	-14.94	Peak	
3	141.5500	43.12	-13.92	29.20	43.50	-14.30	Peak	
4	373.3800	34.02	-10.40	23.62	46.00	-22.38	Peak	
5	500.4500	34.66	-9.95	24.71	46.00	-21.29	Peak	
6	666.3200	33.25	-4.81	28.44	46.00	-17.56	Peak	

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

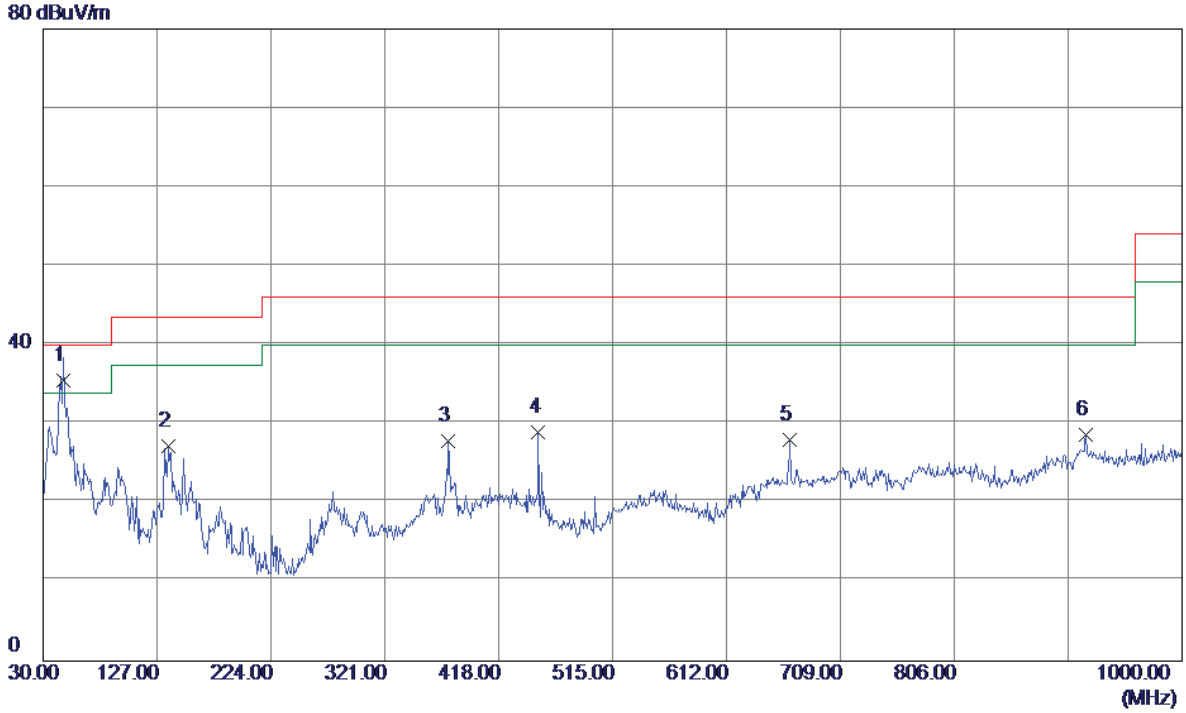
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	98.8700	44.48	-16.16	28.32	43.50	-15.18	Peak	
2	139.6100	39.38	-14.04	25.34	43.50	-18.16	Peak	
3	288.0200	36.81	-11.25	25.56	46.00	-20.44	Peak	
4	371.4400	36.60	-10.47	26.13	46.00	-19.87	Peak	
5	666.3200	31.76	-4.81	26.95	46.00	-19.05	Peak	
6	939.8600	29.14	-0.06	29.08	46.00	-16.92	Peak	

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

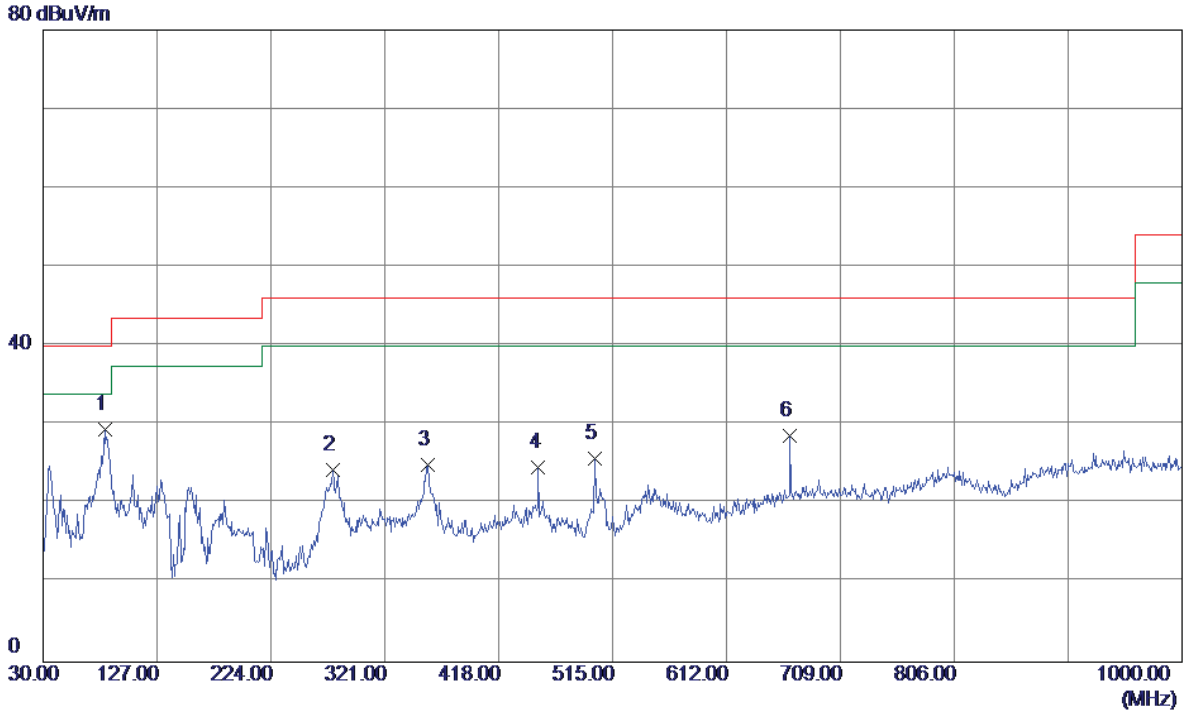
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	47.4600	49.13	-13.62	35.51	40.00	-4.49	QP	
2	136.7000	40.88	-13.75	27.13	43.50	-16.37	Peak	
3	375.3200	38.13	-10.32	27.81	46.00	-18.19	Peak	
4	451.9500	37.11	-8.13	28.98	46.00	-17.02	Peak	
5	666.3200	32.76	-4.81	27.95	46.00	-18.05	Peak	
6	918.5200	28.41	0.22	28.63	46.00	-17.37	Peak	

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

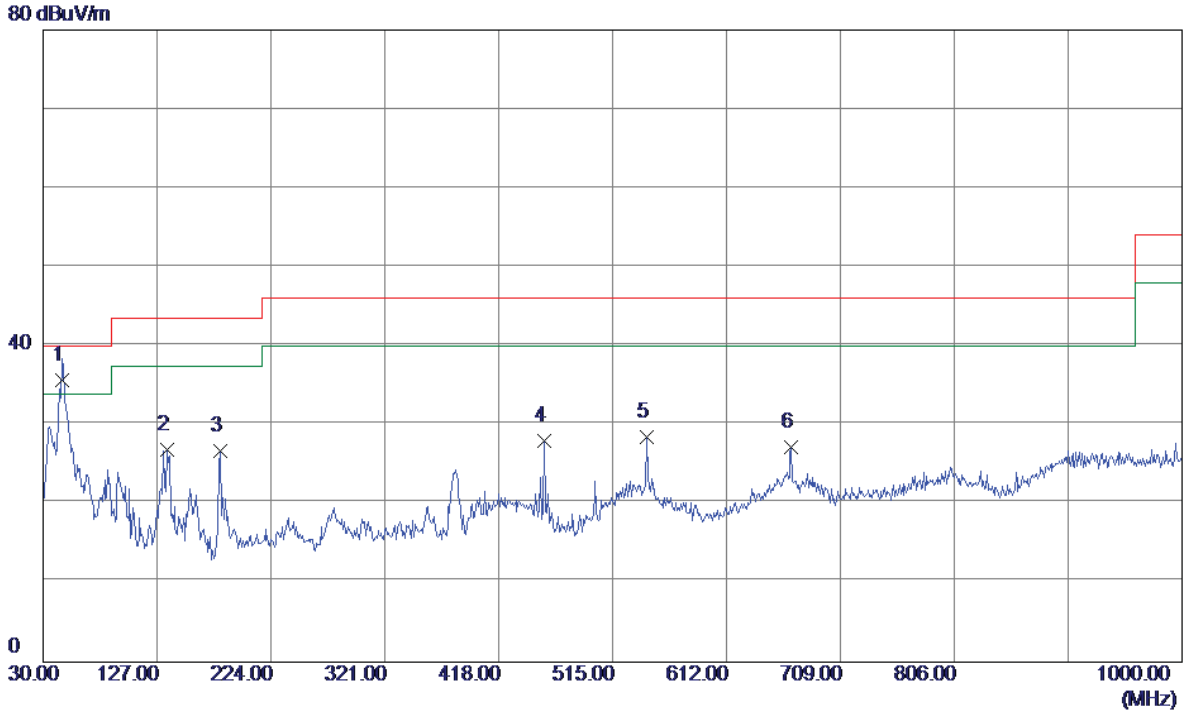
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	82.3800	46.12	-16.73	29.39	40.00	-10.61	Peak	
2	276.3800	36.98	-12.72	24.26	46.00	-21.74	Peak	
3	357.8599	36.01	-11.02	24.99	46.00	-21.01	Peak	
4	451.9500	32.74	-8.13	24.61	46.00	-21.39	Peak	
5	499.4800	35.78	-9.97	25.81	46.00	-20.19	Peak	
6	666.3200	33.44	-4.81	28.63	46.00	-17.37	Peak	

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

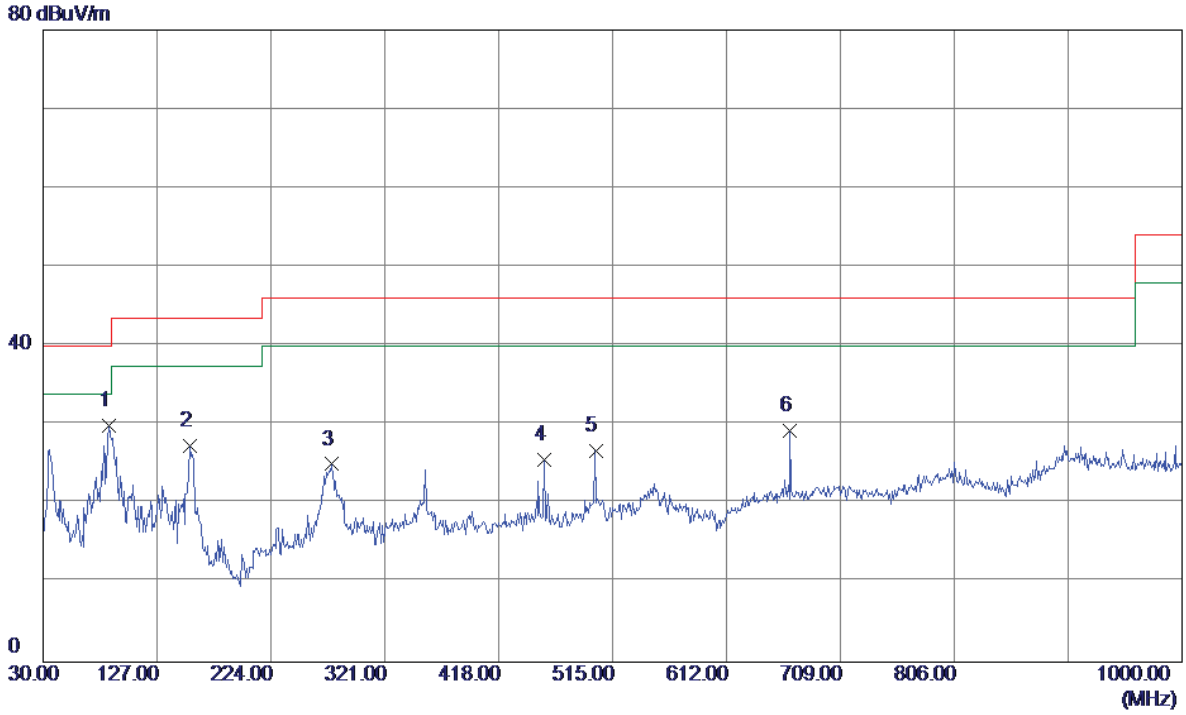
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	46.4900	48.95	-13.32	35.63	40.00	-4.37	QP	
2	135.7300	40.58	-13.65	26.93	43.50	-16.57	Peak	
3	181.3200	39.79	-13.14	26.65	43.50	-16.85	Peak	
4	456.8000	36.38	-8.31	28.07	46.00	-17.93	Peak	
5	544.1000	34.14	-5.71	28.43	46.00	-17.57	Peak	
6	667.2900	31.99	-4.79	27.20	46.00	-18.80	Peak	

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

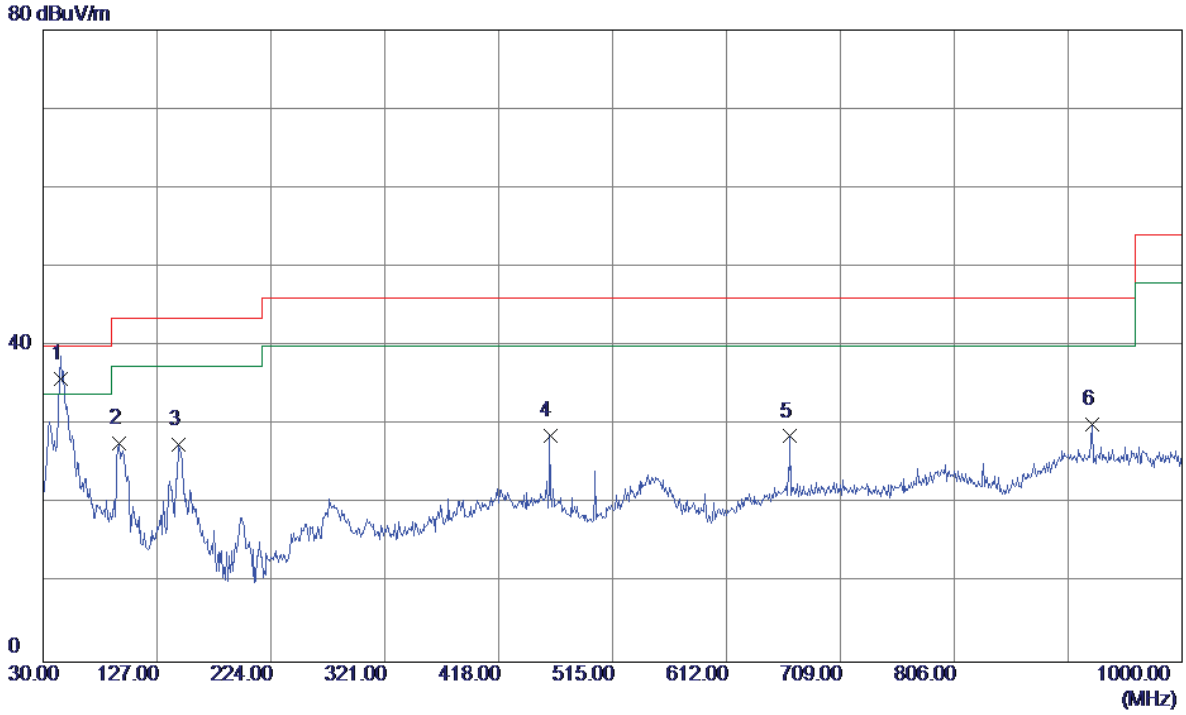
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	86.2600	46.75	-16.79	29.96	40.00	-10.04	Peak	
2	155.1300	40.00	-12.71	27.29	43.50	-16.21	Peak	
3	275.4100	37.89	-12.85	25.04	46.00	-20.96	Peak	
4	456.8000	33.86	-8.31	25.55	46.00	-20.45	Peak	
5	500.4500	36.61	-9.95	26.66	46.00	-19.34	Peak	
6	666.3200	34.15	-4.81	29.34	46.00	-16.66	Peak	

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

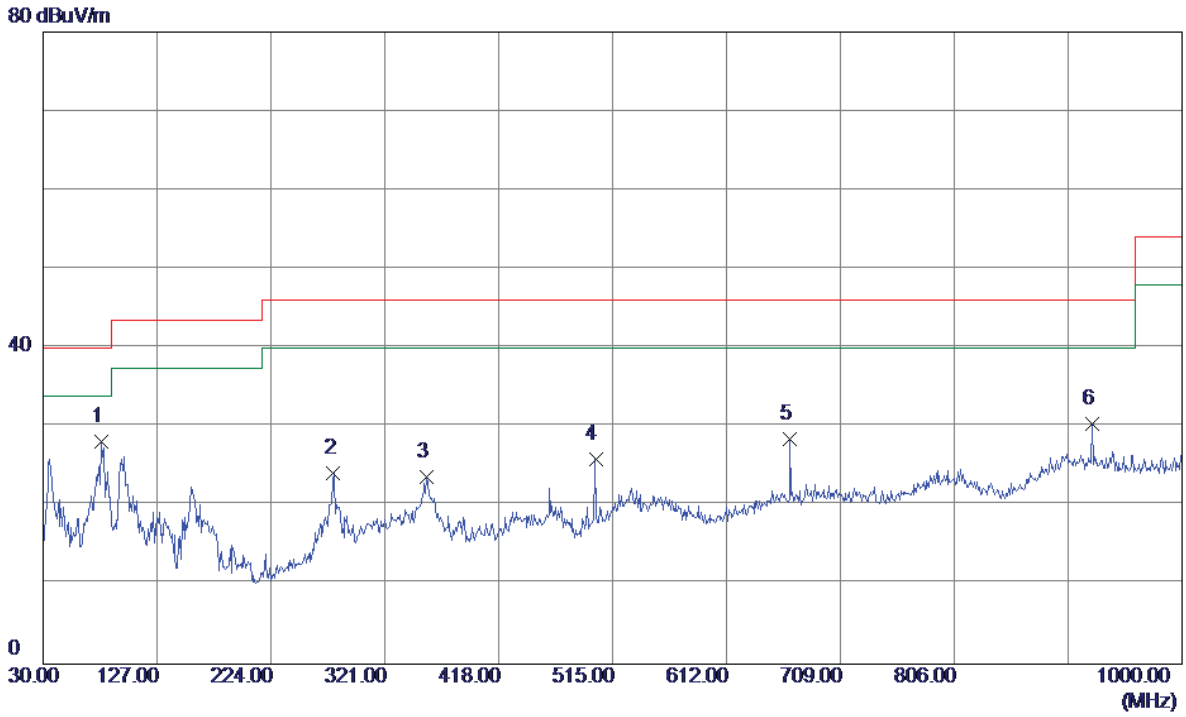
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	45.5200	49.03	-13.25	35.78	40.00	-4.22	QP	
2	94.9900	44.38	-16.72	27.66	43.50	-15.84	Peak	
3	145.4299	40.99	-13.50	27.49	43.50	-16.01	Peak	
4	461.6500	37.18	-8.50	28.68	46.00	-17.32	Peak	
5	666.3200	33.37	-4.81	28.56	46.00	-17.44	Peak	
6	923.3700	29.94	0.15	30.09	46.00	-15.91	Peak	

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

Horizontal

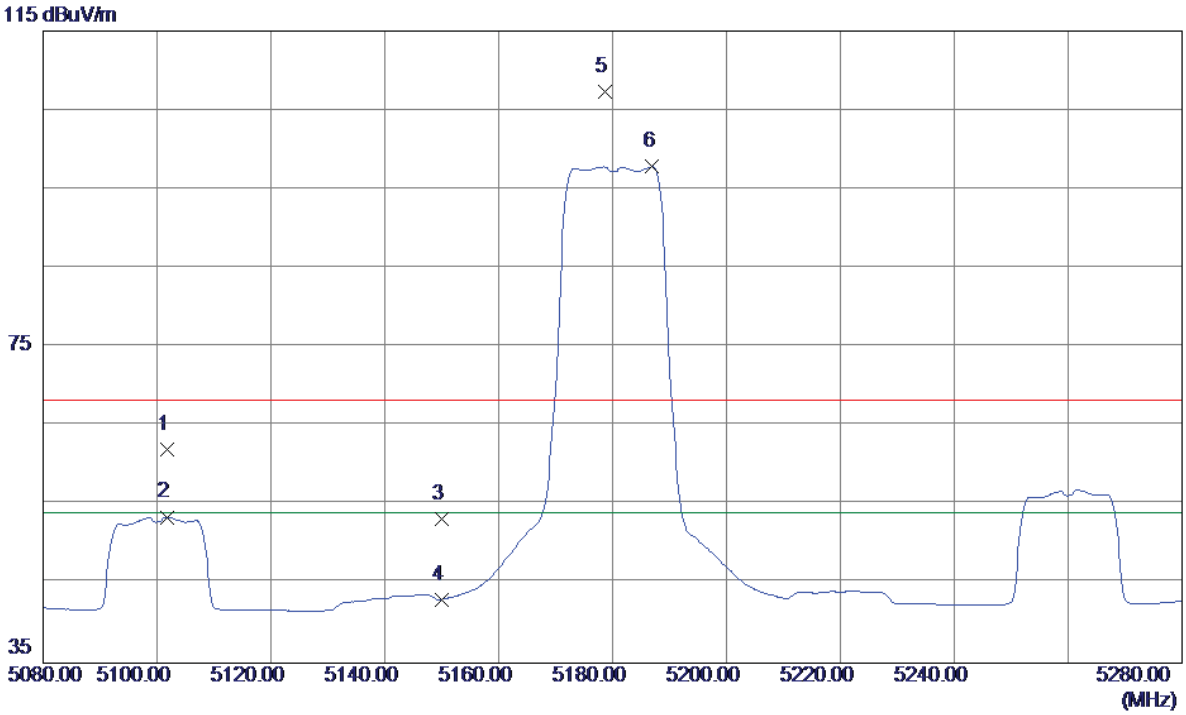


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	79.4700	44.88	-16.65	28.23	40.00	-11.77	Peak	
2	277.3500	36.72	-12.59	24.13	46.00	-21.87	Peak	
3	356.8900	34.72	-11.06	23.66	46.00	-22.34	Peak	
4	500.4500	35.84	-9.95	25.89	46.00	-20.11	Peak	
5	666.3200	33.27	-4.81	28.46	46.00	-17.54	Peak	
6	923.3700	30.21	0.15	30.36	46.00	-15.64	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

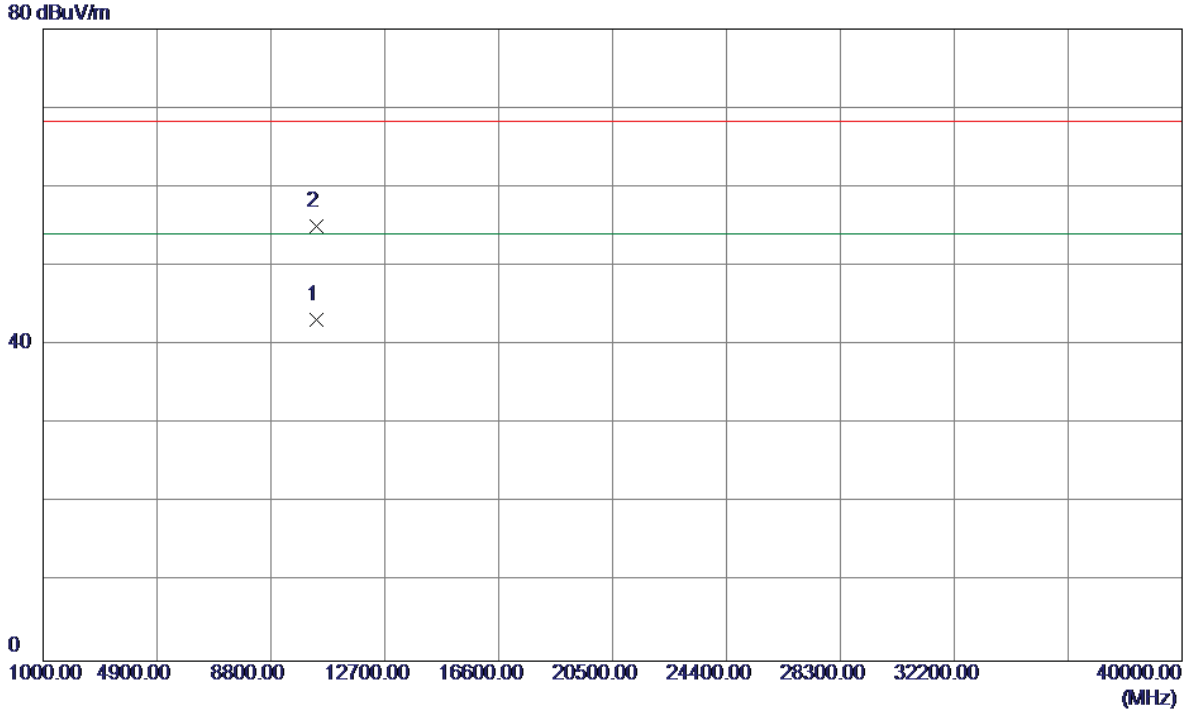
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5101.8000	20.82	41.25	62.07	68.30	-6.23	Peak	
2	5101.8000	12.23	41.25	53.48	54.00	-0.52	AVG	
3	5150.0000	11.88	41.40	53.28	68.30	-15.02	Peak	
4	5150.0000	1.65	41.40	43.05	54.00	-10.95	AVG	
5	5178.6000	65.81	41.50	107.31	68.30	39.01	Peak	NO Limit
6	5187.0000	56.32	41.53	97.85	54.00	43.85	AVG	NO Limit

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

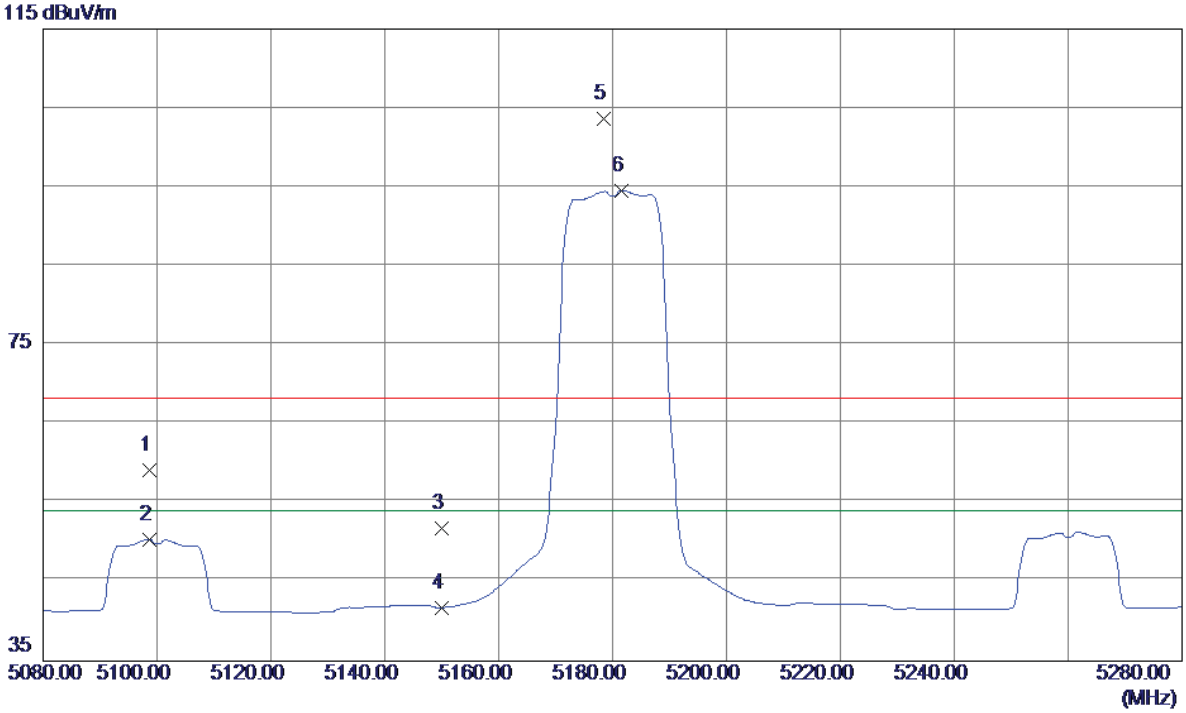
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10359.8400	26.67	16.54	43.21	54.00	-10.79	AVG	
2	10360.0400	38.52	16.54	55.06	68.30	-13.24	Peak	

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

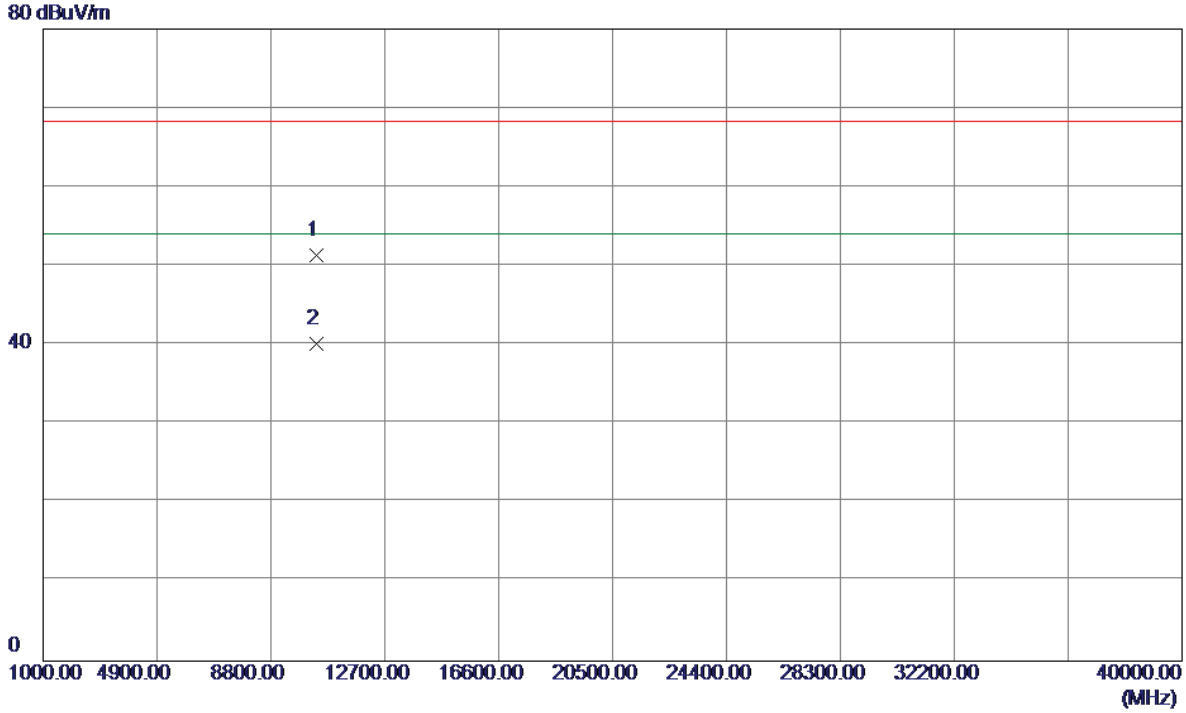
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5098.6000	17.99	41.24	59.23	68.30	-9.07	Peak	
2	5098.6000	9.16	41.24	50.40	54.00	-3.60	AVG	
3	5150.0000	10.42	41.40	51.82	68.30	-16.48	Peak	
4	5150.0000	0.36	41.40	41.76	54.00	-12.24	AVG	
5	5178.4000	62.16	41.50	103.66	68.30	35.36	Peak	NO Limit
6	5181.6000	53.07	41.51	94.58	54.00	40.58	AVG	NO Limit

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

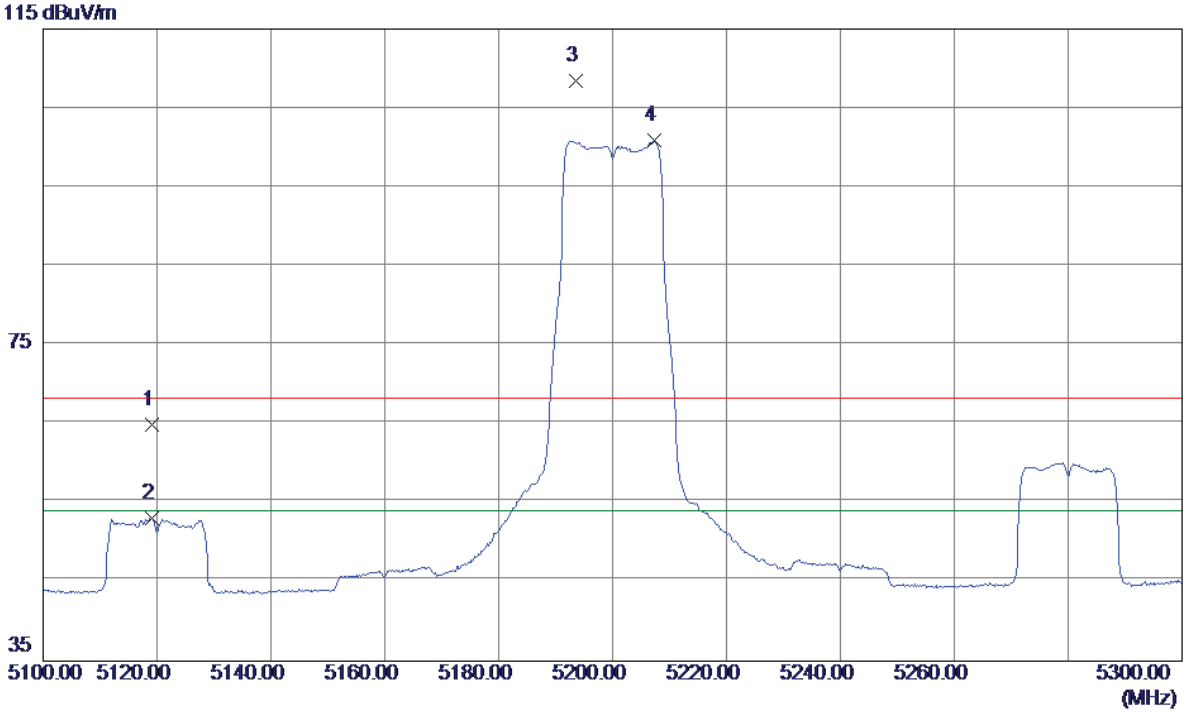
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10359.9800	34.75	16.54	51.29	68.30	-17.01	Peak	
2	10360.0599	23.62	16.54	40.16	54.00	-13.84	AVG	

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

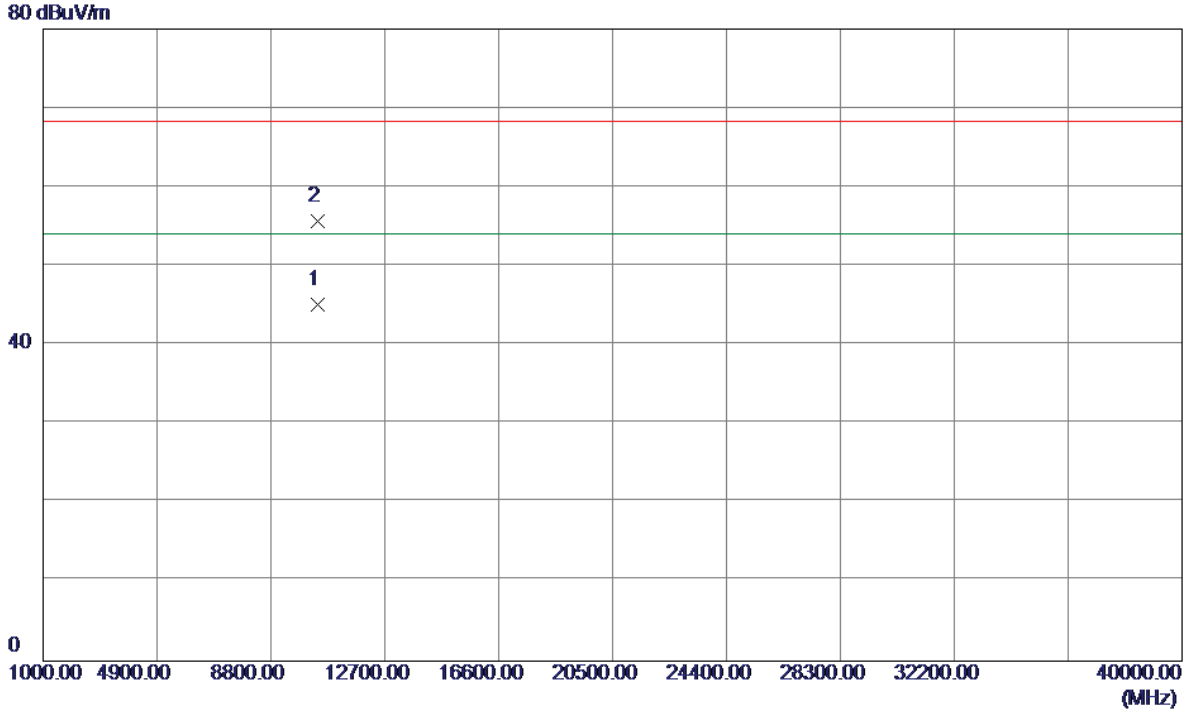
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5119.2000	23.62	41.30	64.92	68.30	-3.38	Peak	
2	5119.2000	11.78	41.30	53.08	54.00	-0.92	AVG	
3	5193.6000	66.96	41.55	108.51	68.30	40.21	Peak	NO Limit
4	5207.4000	59.32	41.59	100.91	54.00	46.91	AVG	NO Limit

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

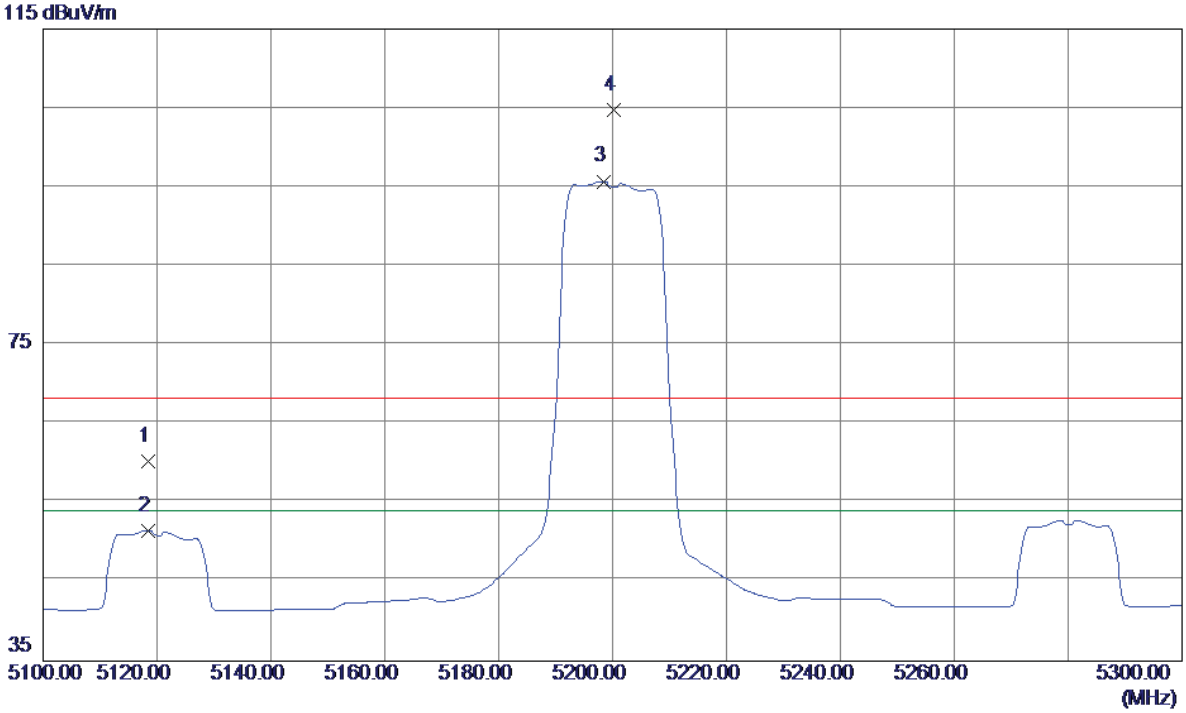
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.0100	28.56	16.56	45.12	54.00	-8.88	AVG	
2	10400.0400	39.10	16.56	55.66	68.30	-12.64	Peak	

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

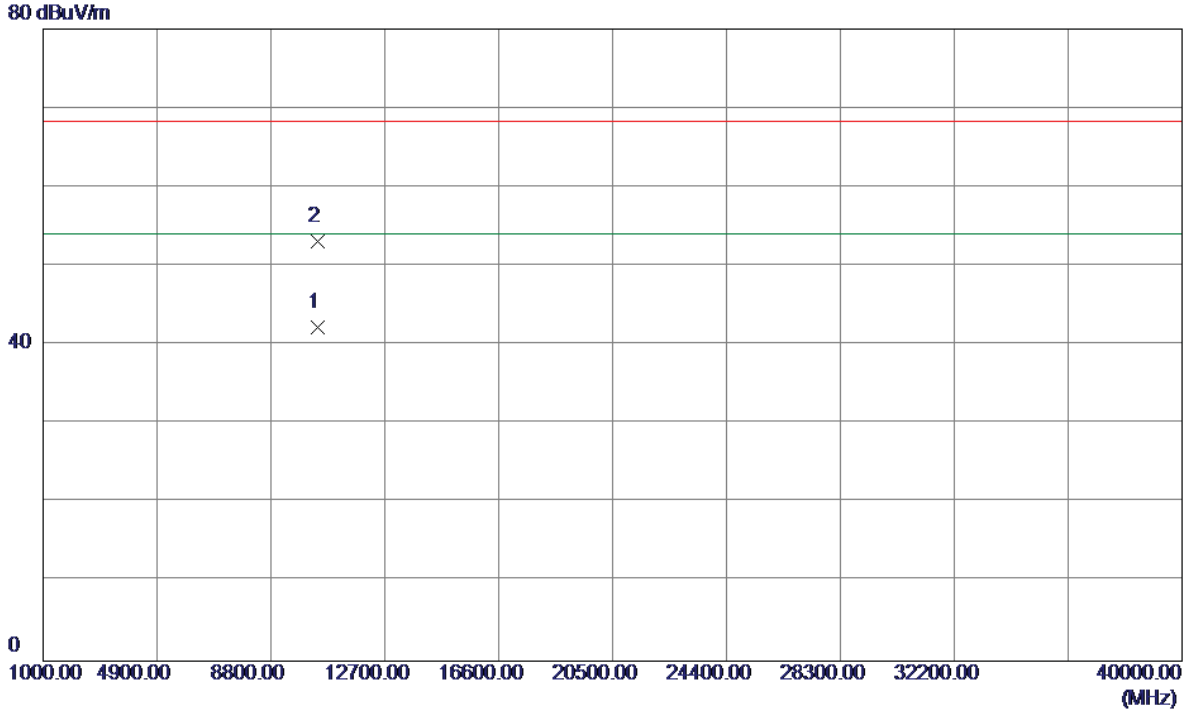
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5118.4000	19.03	41.30	60.33	68.30	-7.97	Peak	
2	5118.4000	10.25	41.30	51.55	54.00	-2.45	AVG	
3	5198.4000	54.16	41.56	95.72	54.00	41.72	AVG	NO Limit
4	5200.2000	63.24	41.57	104.81	68.30	36.51	Peak	NO Limit

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

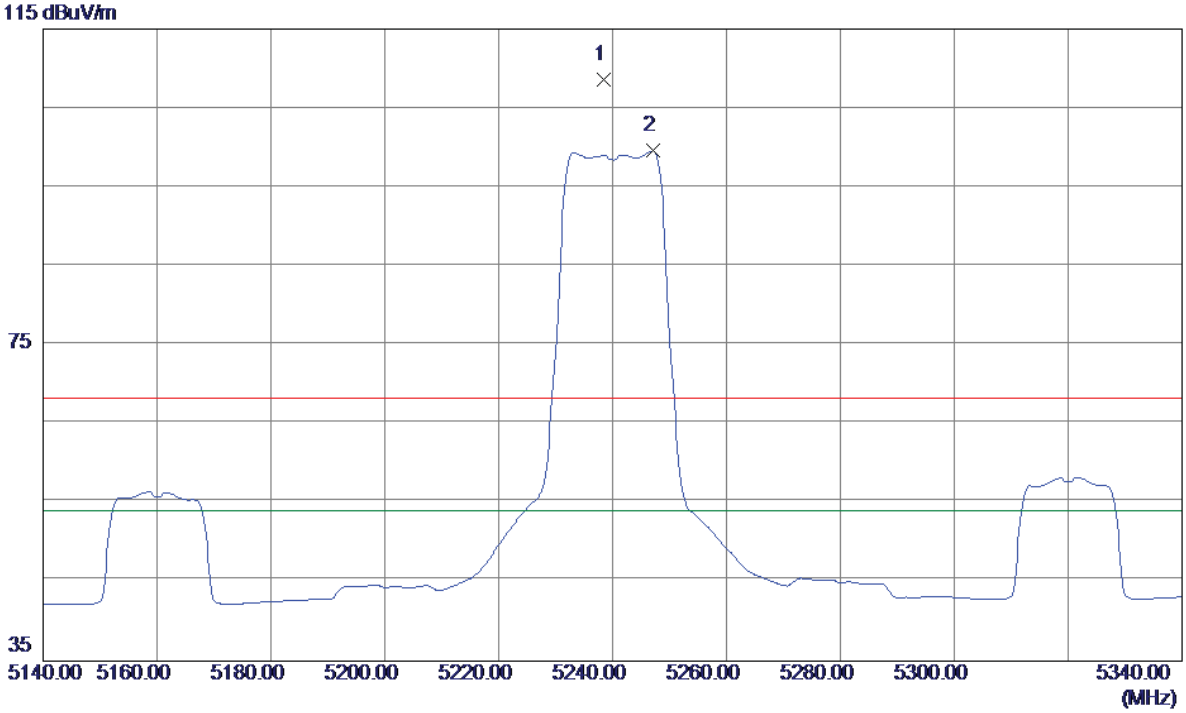
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10396.0580	25.68	16.56	42.24	54.00	-11.76	AVG	
2	10396.7800	36.52	16.56	53.08	68.30	-15.22	Peak	

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

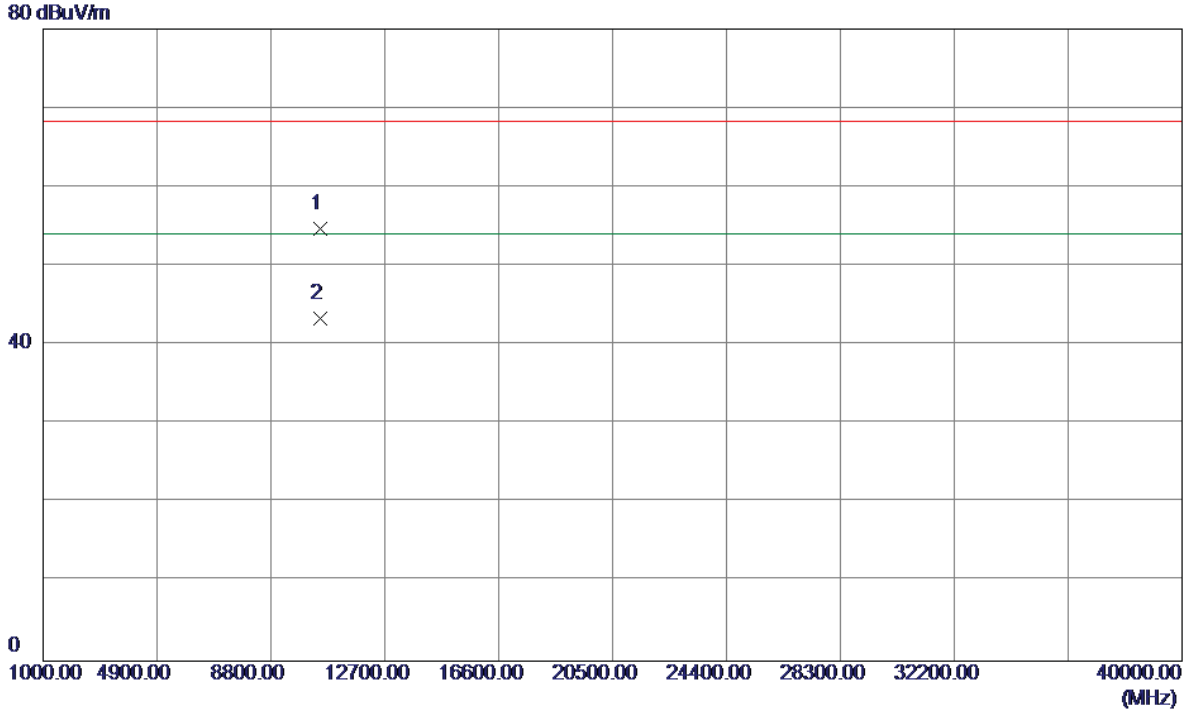
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5238.4000	66.88	41.70	108.58	68.30	40.28	Peak	NO Limit
2	5247.2000	57.84	41.73	99.57	54.00	45.57	AVG	NO Limit

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

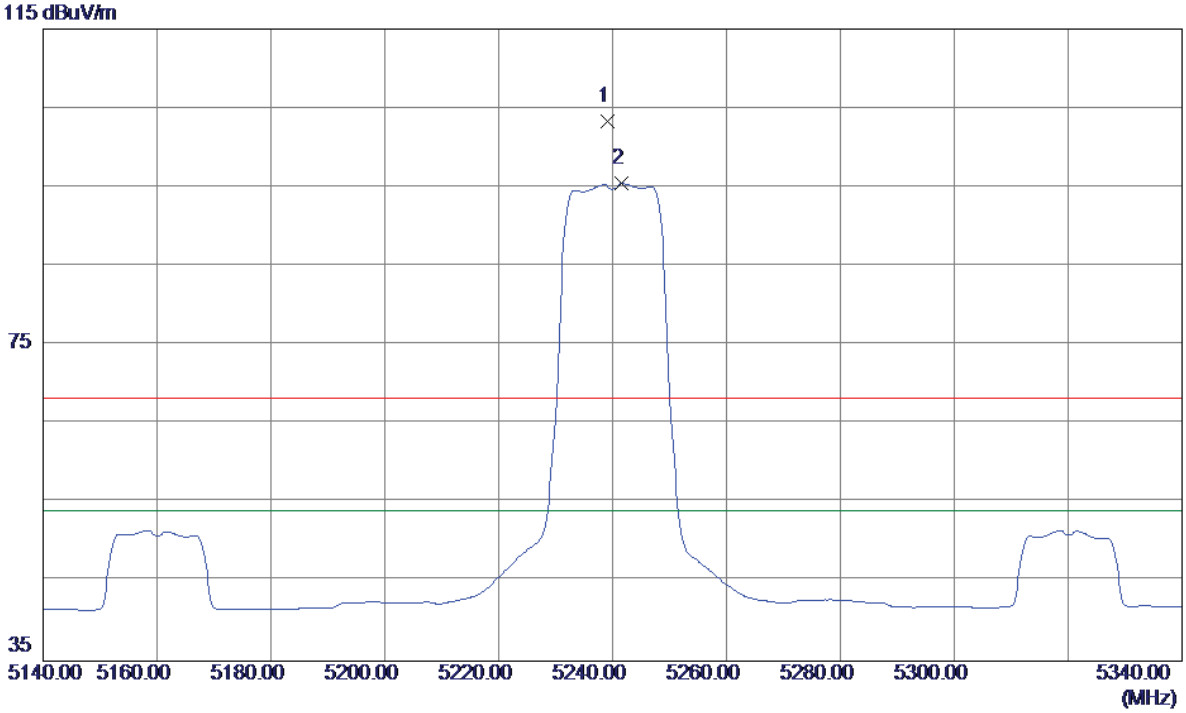
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.0400	38.05	16.60	54.65	68.30	-13.65	Peak	
2	10480.0500	26.76	16.60	43.36	54.00	-10.64	AVG	

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

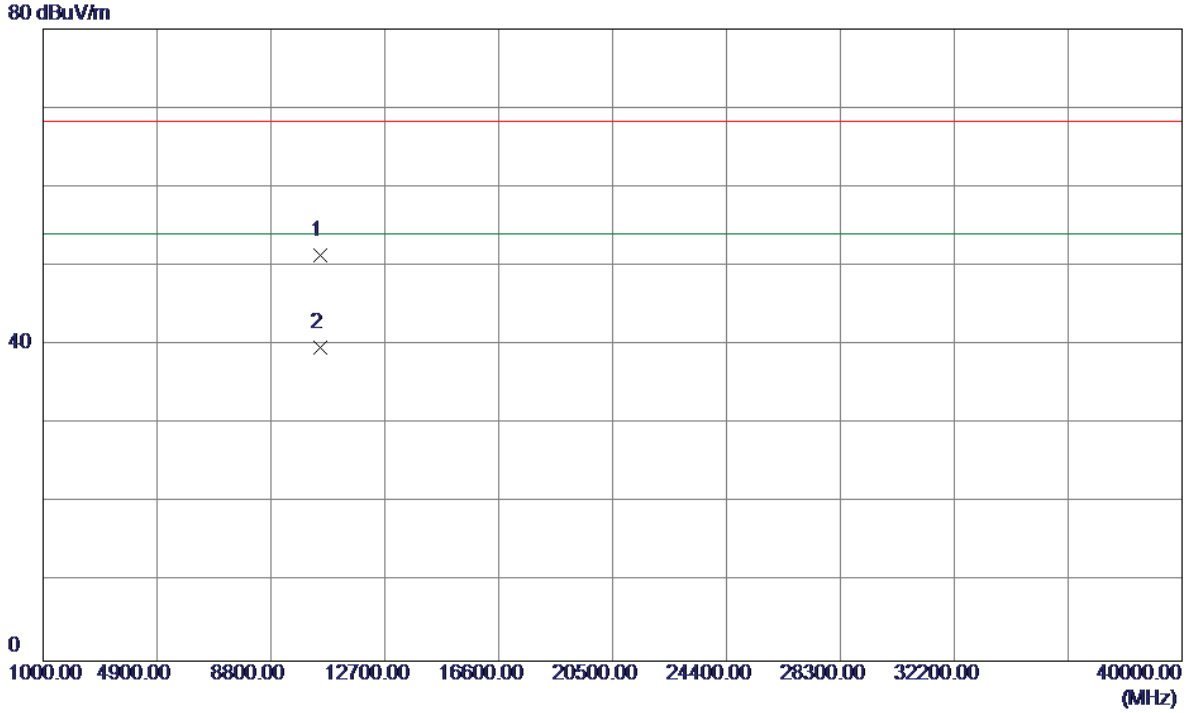
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5239.2000	61.63	41.70	103.33	68.30	35.03	Peak	NO Limit
2	5241.6000	53.72	41.71	95.43	54.00	41.43	AVG	NO Limit

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

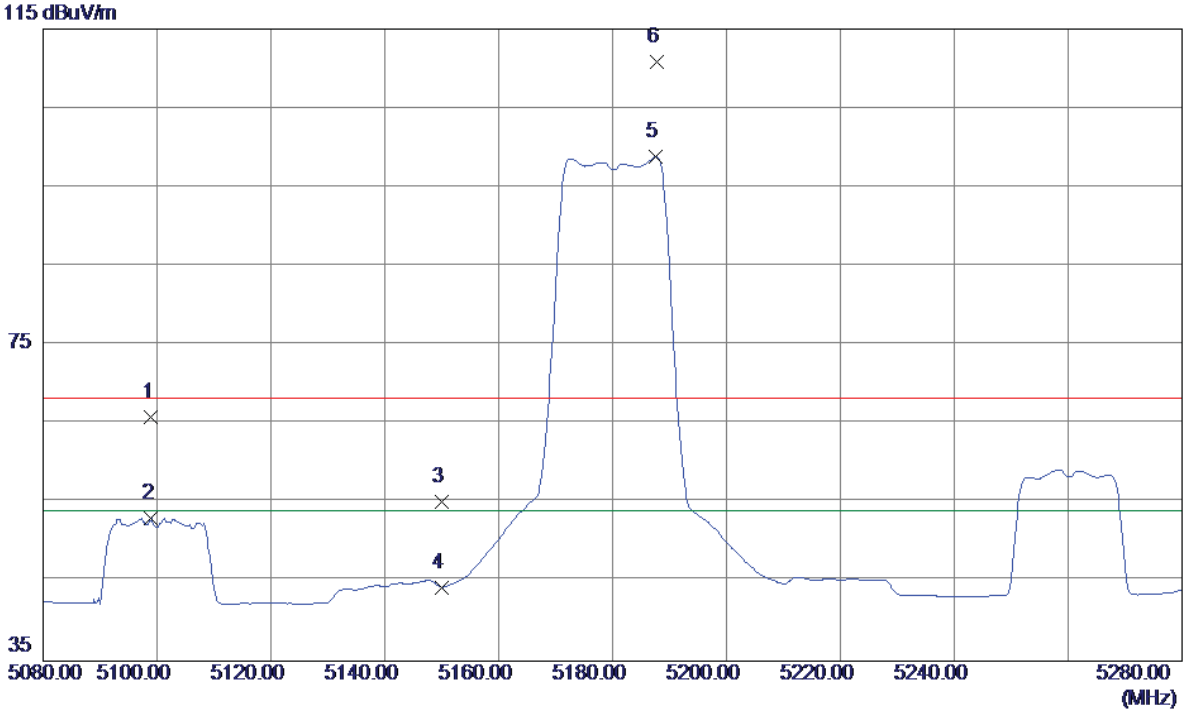
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.0000	34.72	16.60	51.32	68.30	-16.98	Peak	
2	10480.0000	23.16	16.60	39.76	54.00	-14.24	AVG	

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

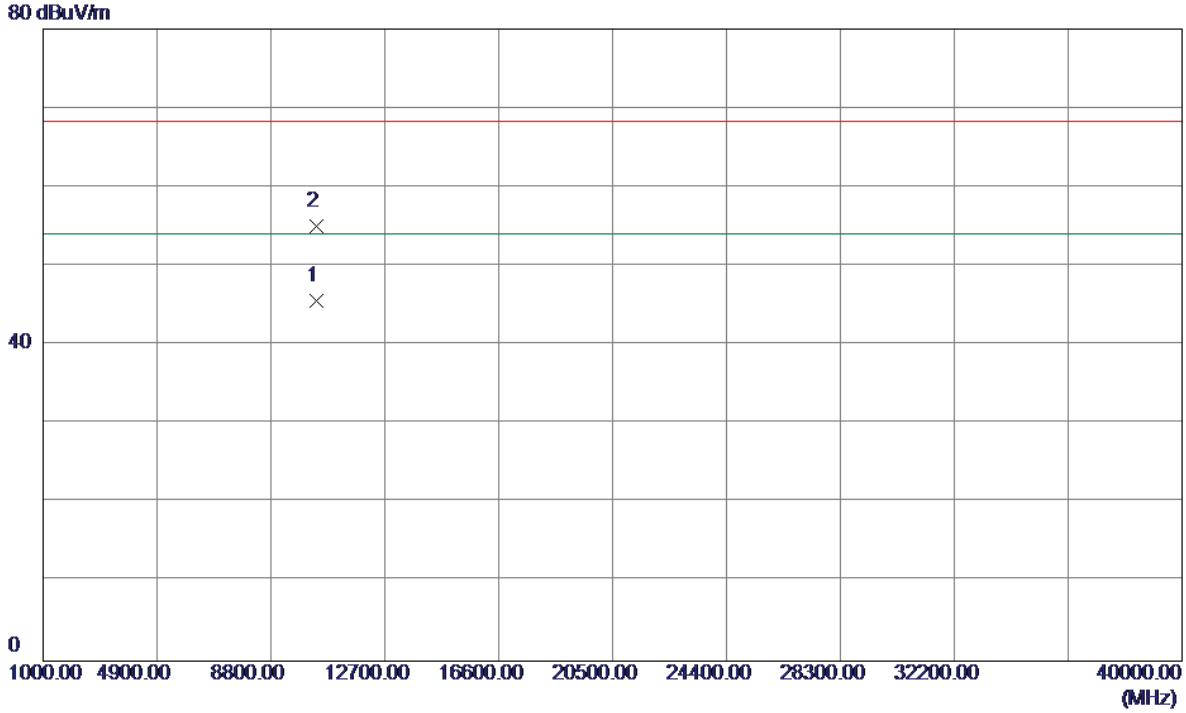
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5099.0000	24.57	41.24	65.81	68.30	-2.49	Peak	
2	5099.0000	11.86	41.24	53.10	54.00	-0.90	AVG	
3	5150.0000	13.77	41.40	55.17	68.30	-13.13	Peak	
4	5150.0000	2.94	41.40	44.34	54.00	-9.66	AVG	
5	5187.6000	57.29	41.53	98.82	54.00	44.82	AVG	NO Limit
6	5187.8000	69.26	41.53	110.79	68.30	42.49	Peak	NO Limit

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

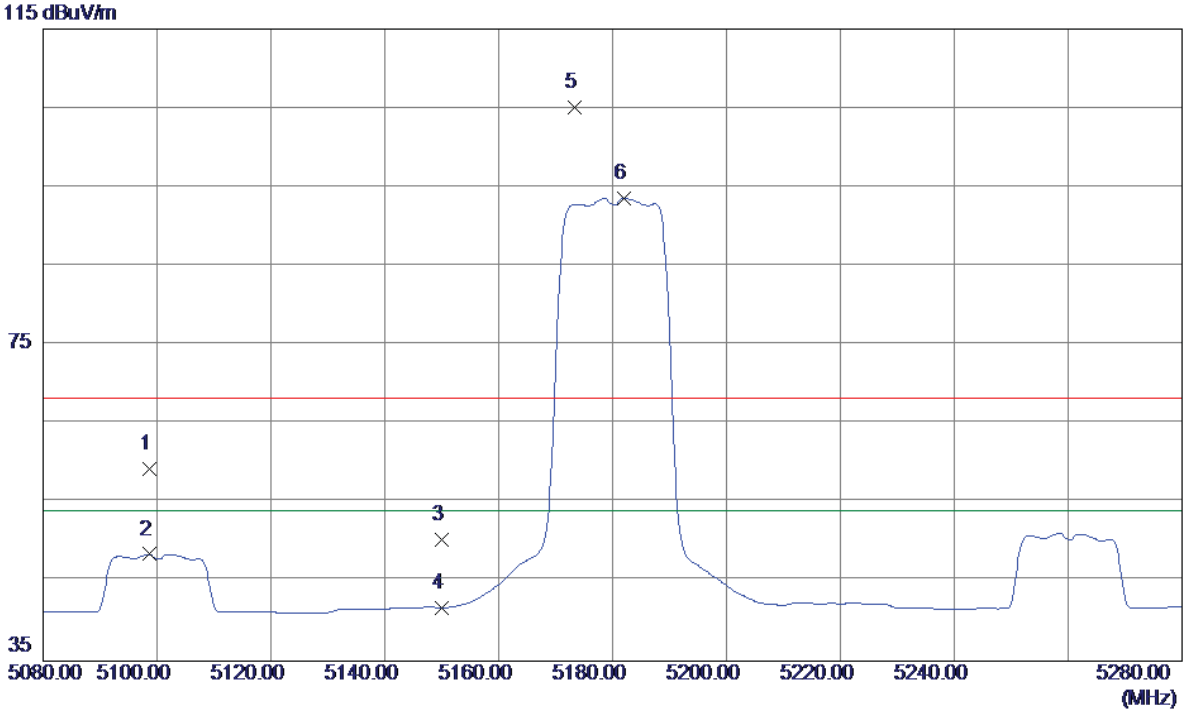
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10359.8400	29.12	16.54	45.66	54.00	-8.34	AVG	
2	10360.0400	38.52	16.54	55.06	68.30	-13.24	Peak	

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

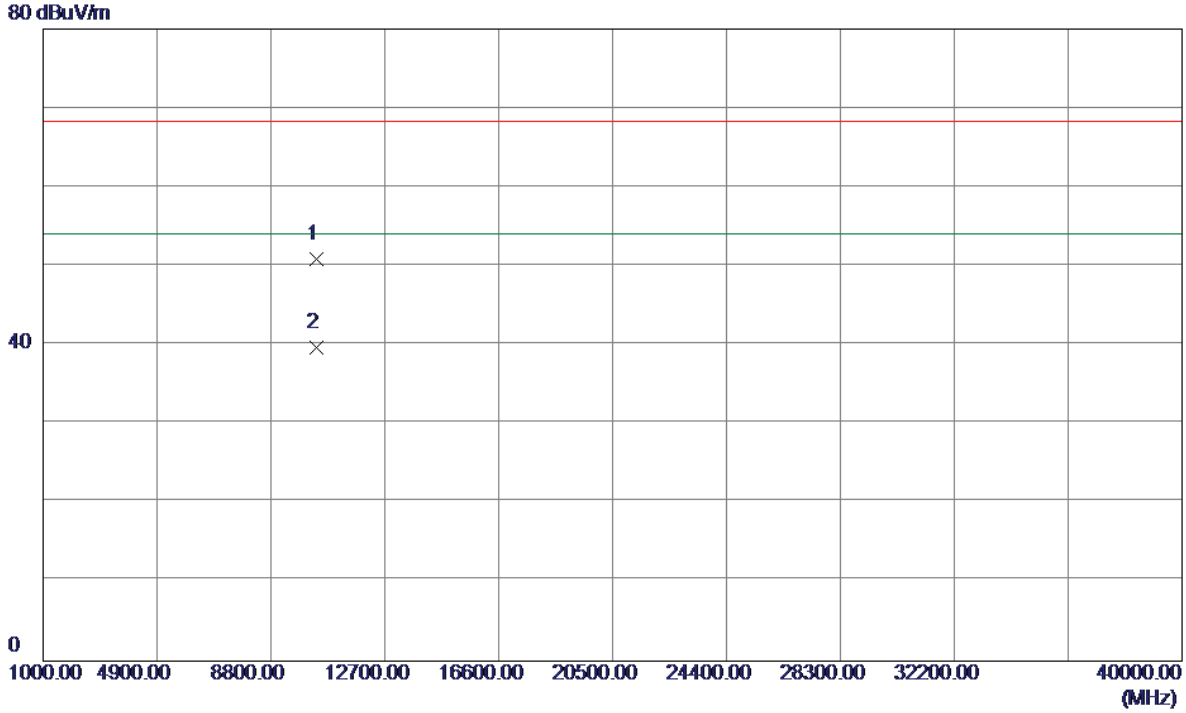
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5098.6000	18.08	41.24	59.32	68.30	-8.98	Peak	
2	5098.6000	7.28	41.24	48.52	54.00	-5.48	AVG	
3	5150.0000	8.91	41.40	50.31	68.30	-17.99	Peak	
4	5150.0000	0.26	41.40	41.66	54.00	-12.34	AVG	
5	5173.4000	63.59	41.48	105.07	68.30	36.77	Peak	NO Limit
6	5182.0000	52.02	41.51	93.53	54.00	39.53	AVG	NO Limit

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

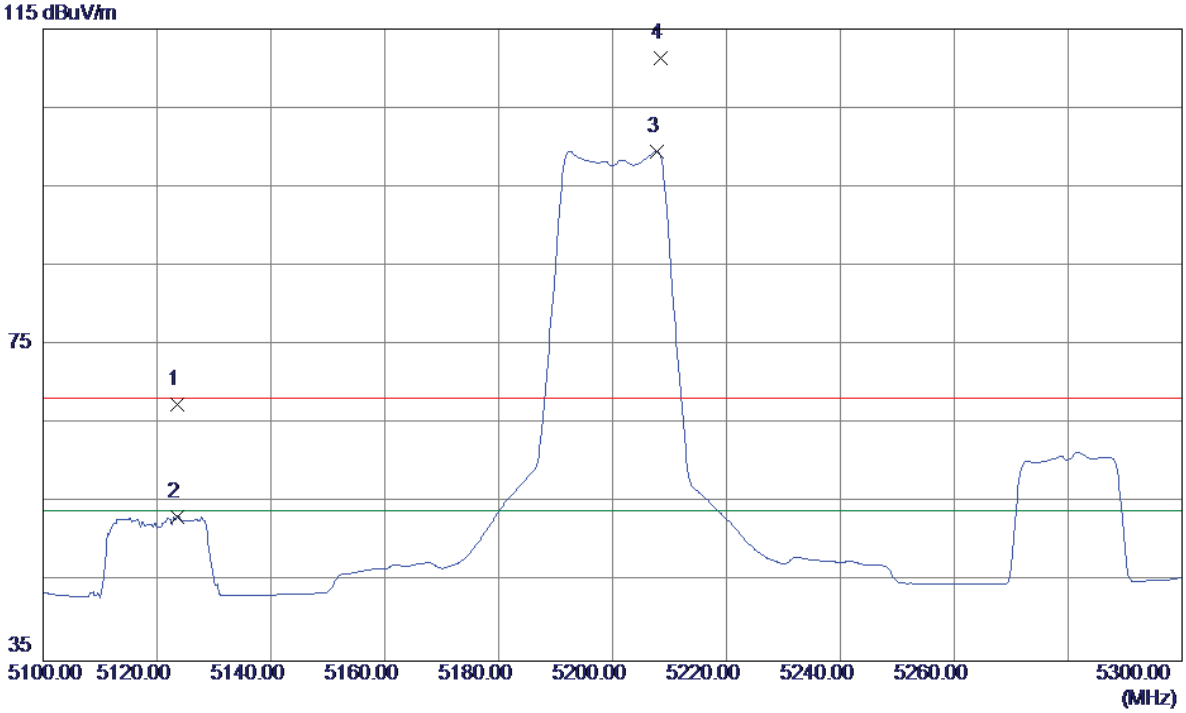
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10359.9800	34.33	16.54	50.87	68.30	-17.43	Peak	
2	10360.0599	23.15	16.54	39.69	54.00	-14.31	AVG	

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

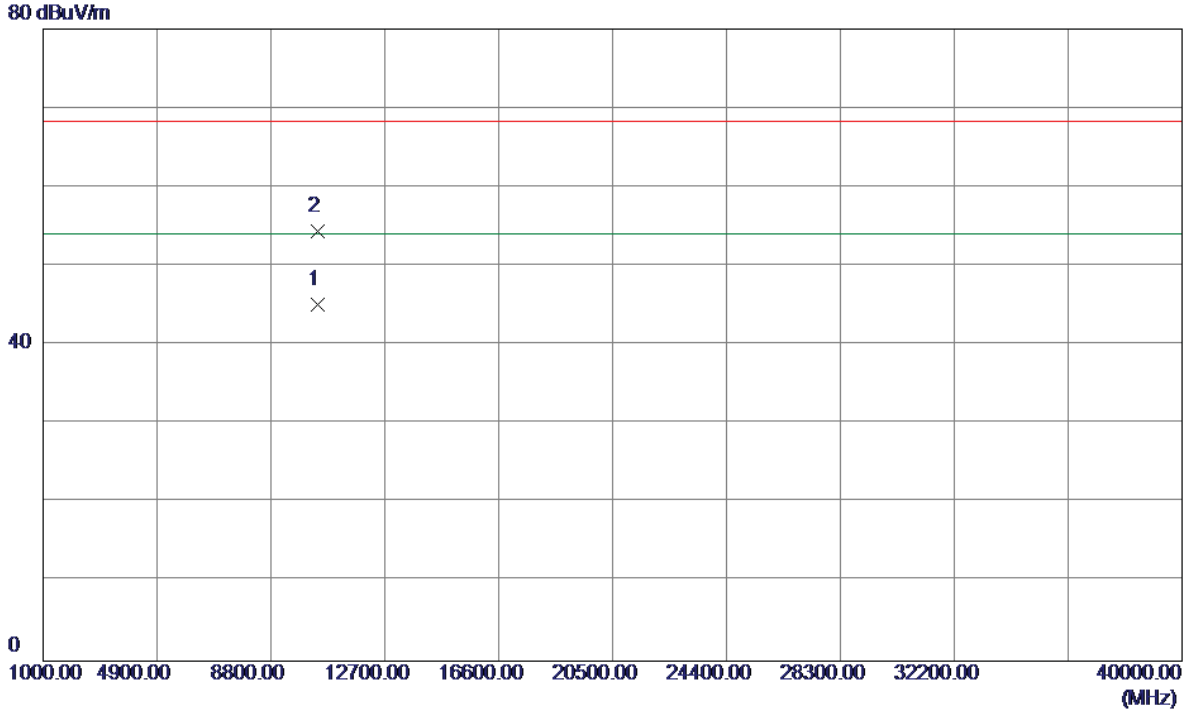
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5123.6000	26.22	41.32	67.54	68.30	-0.76	Peak	
2	5123.6000	11.89	41.32	53.21	54.00	-0.79	AVG	
3	5207.8000	57.88	41.60	99.48	54.00	45.48	AVG	NO Limit
4	5208.4000	69.67	41.60	111.27	68.30	42.97	Peak	NO Limit

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

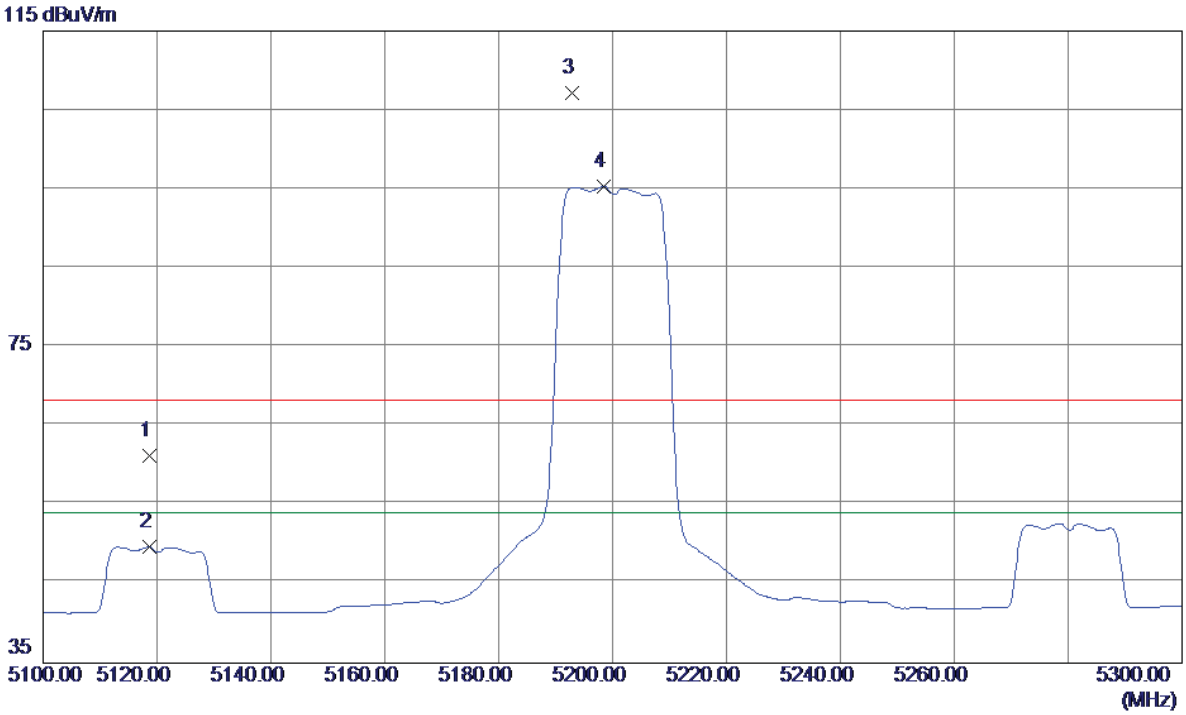
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.0100	28.62	16.56	45.18	54.00	-8.82	AVG	
2	10400.0400	37.80	16.56	54.36	68.30	-13.94	Peak	

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

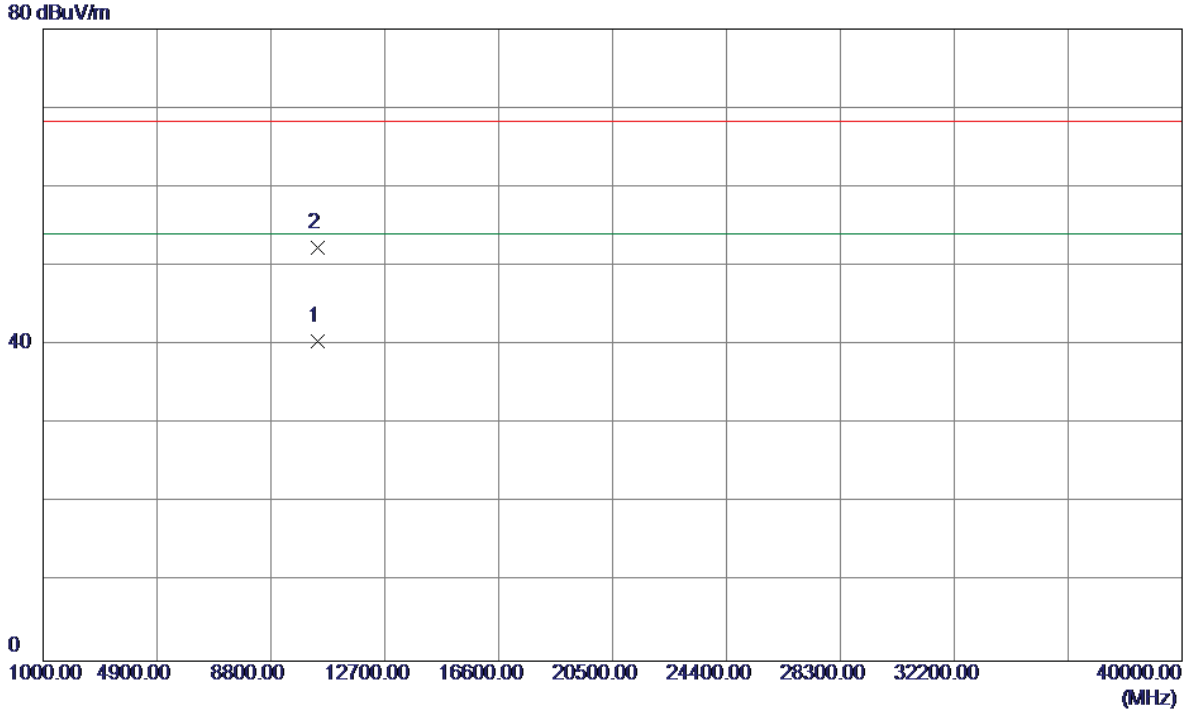
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5118.6000	19.94	41.30	61.24	68.30	-7.06	Peak	
2	5118.6000	8.40	41.30	49.70	54.00	-4.30	AVG	
3	5192.8000	65.61	41.55	107.16	68.30	38.86	Peak	NO Limit
4	5198.4000	53.74	41.56	95.30	54.00	41.30	AVG	NO Limit

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

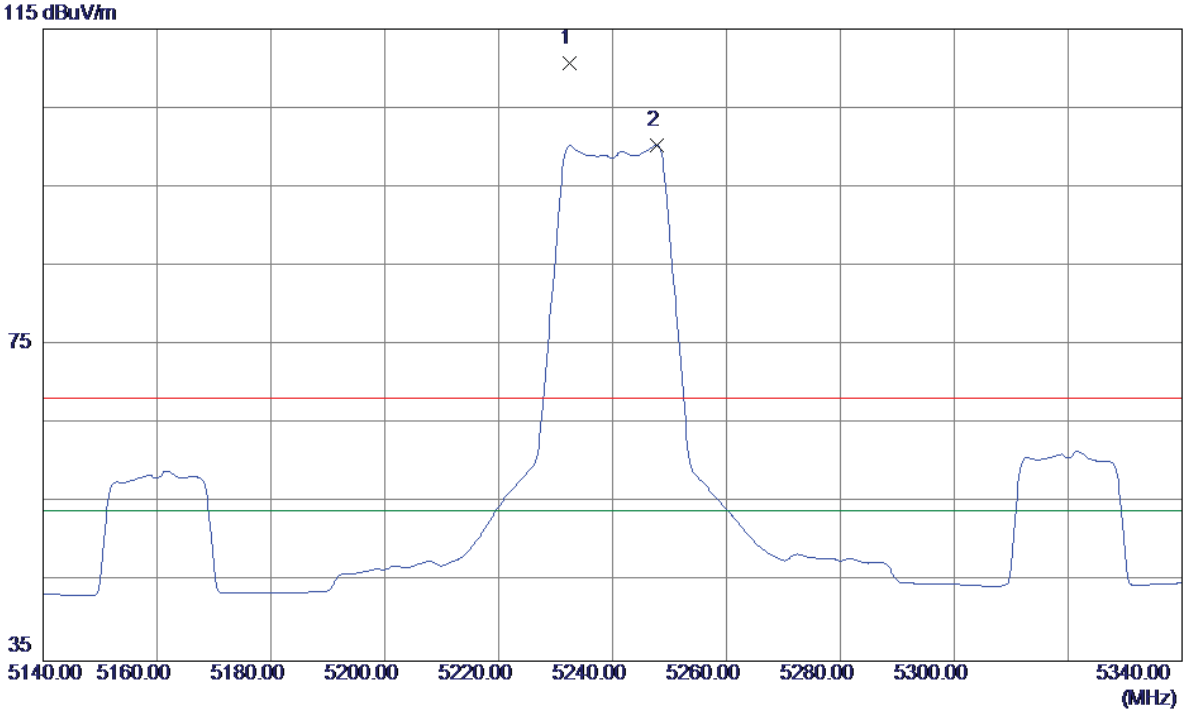
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10396.0580	23.98	16.56	40.54	54.00	-13.46	AVG	
2	10396.7800	35.72	16.56	52.28	68.30	-16.02	Peak	

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

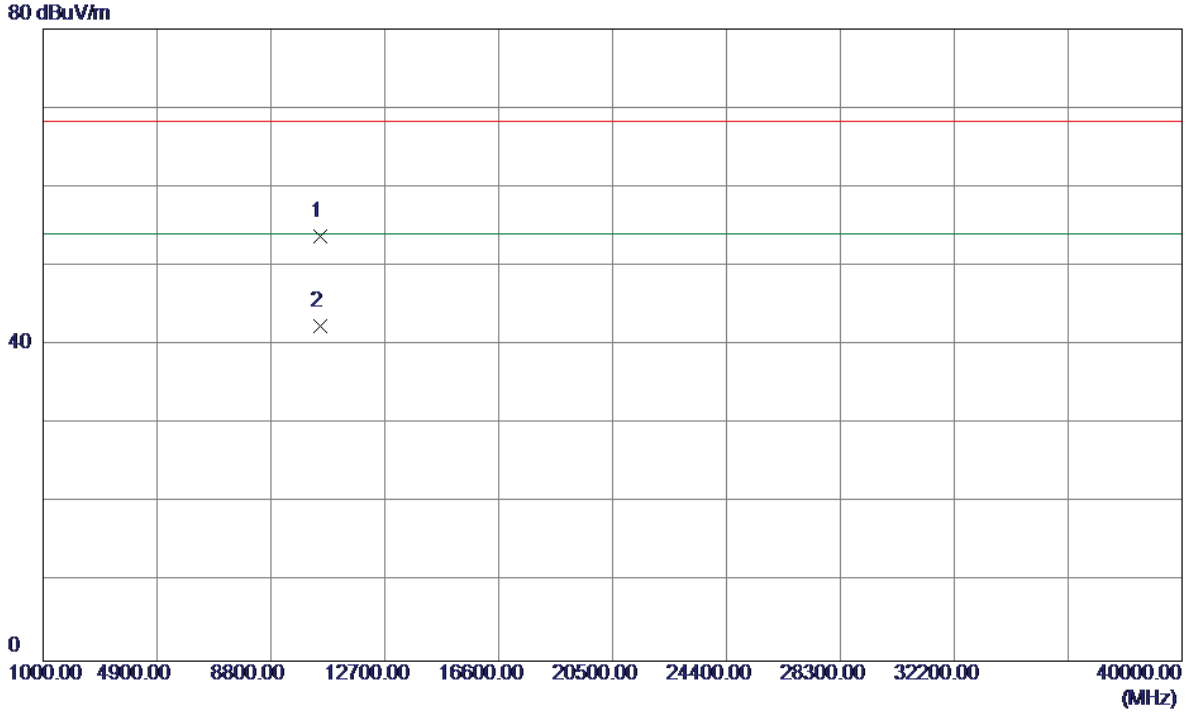
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5232.4000	69.04	41.68	110.72	68.30	42.42	Peak	NO Limit
2	5247.8000	58.57	41.73	100.30	54.00	46.30	AVG	NO Limit

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

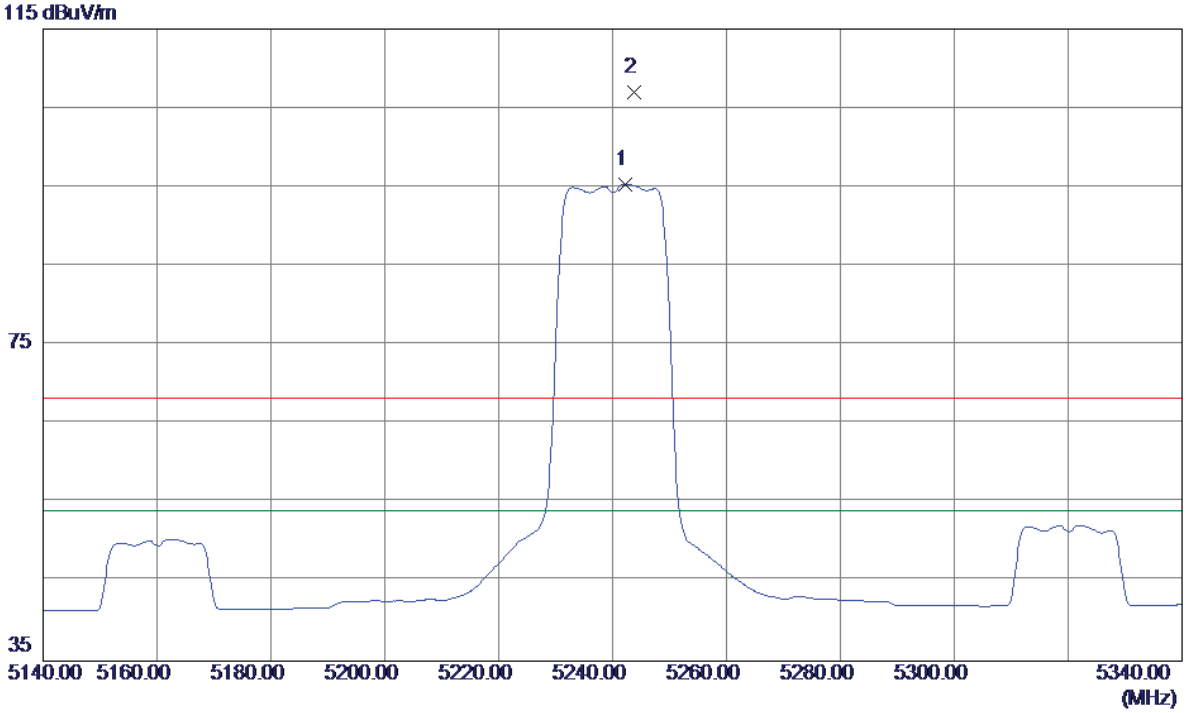
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.0400	37.15	16.60	53.75	68.30	-14.55	Peak	
2	10480.0500	25.76	16.60	42.36	54.00	-11.64	AVG	

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

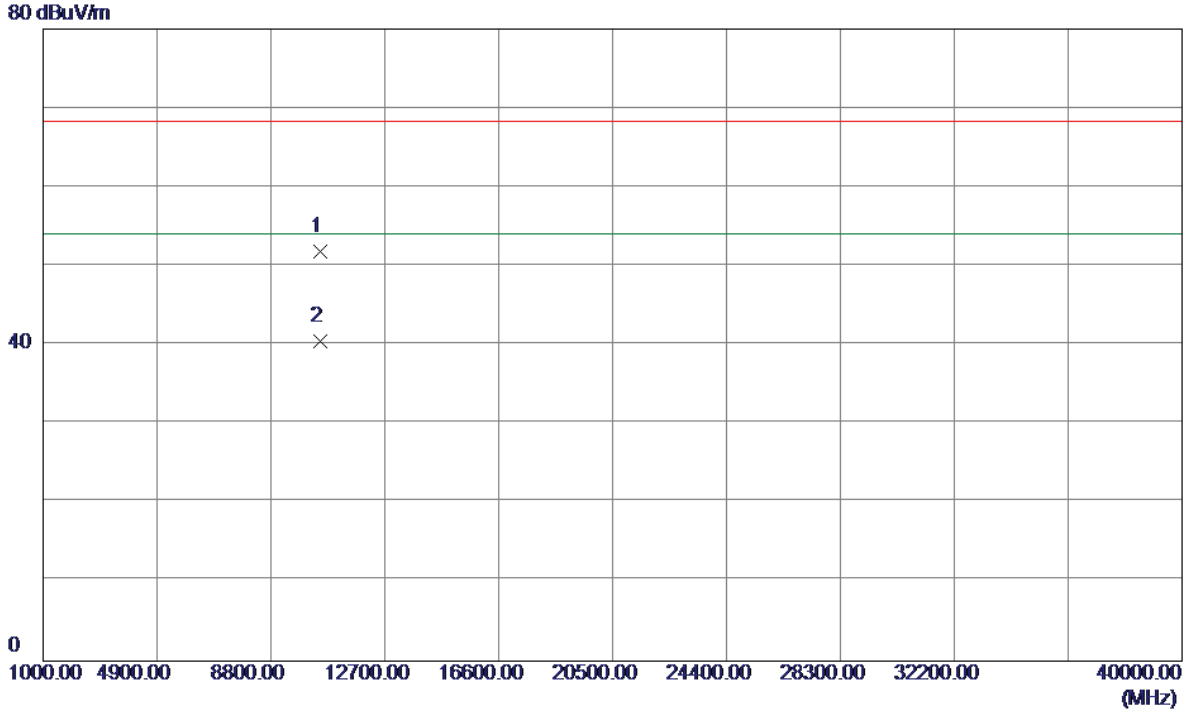
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5242.2000	53.63	41.71	95.34	54.00	41.34	AVG	NO Limit
2	5243.8000	65.29	41.71	107.00	68.30	38.70	Peak	NO Limit

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

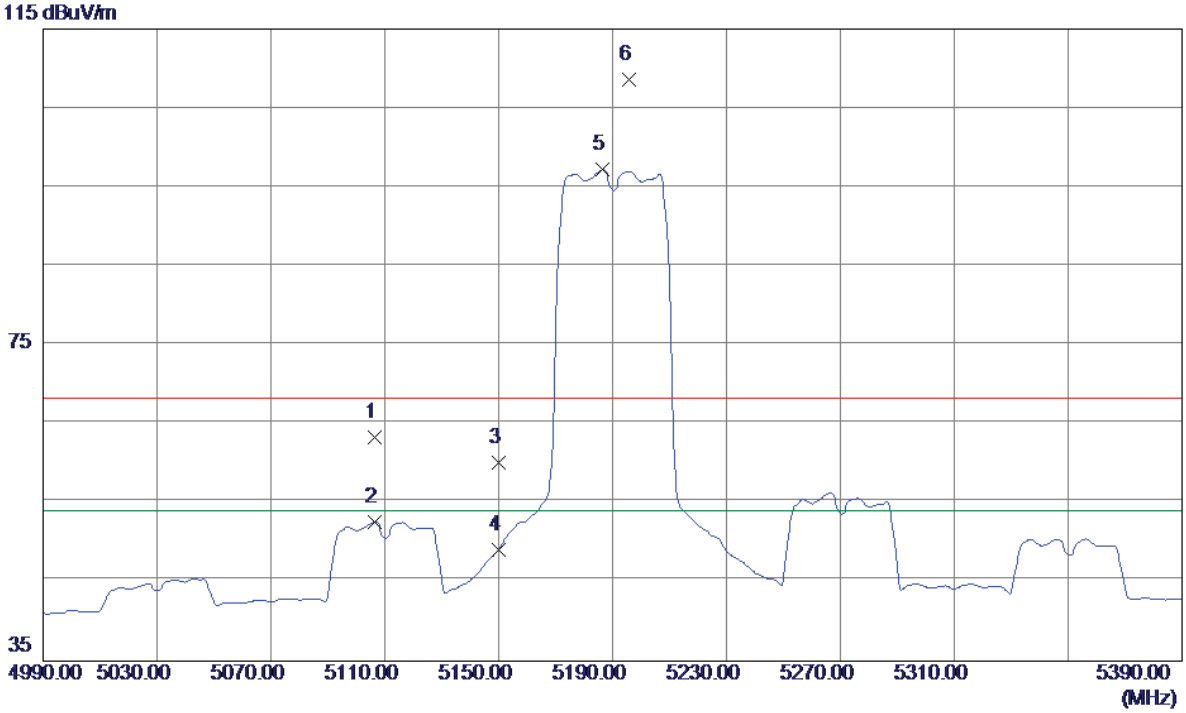
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.0000	35.22	16.60	51.82	68.30	-16.48	Peak	
2	10480.0000	23.86	16.60	40.46	54.00	-13.54	AVG	

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

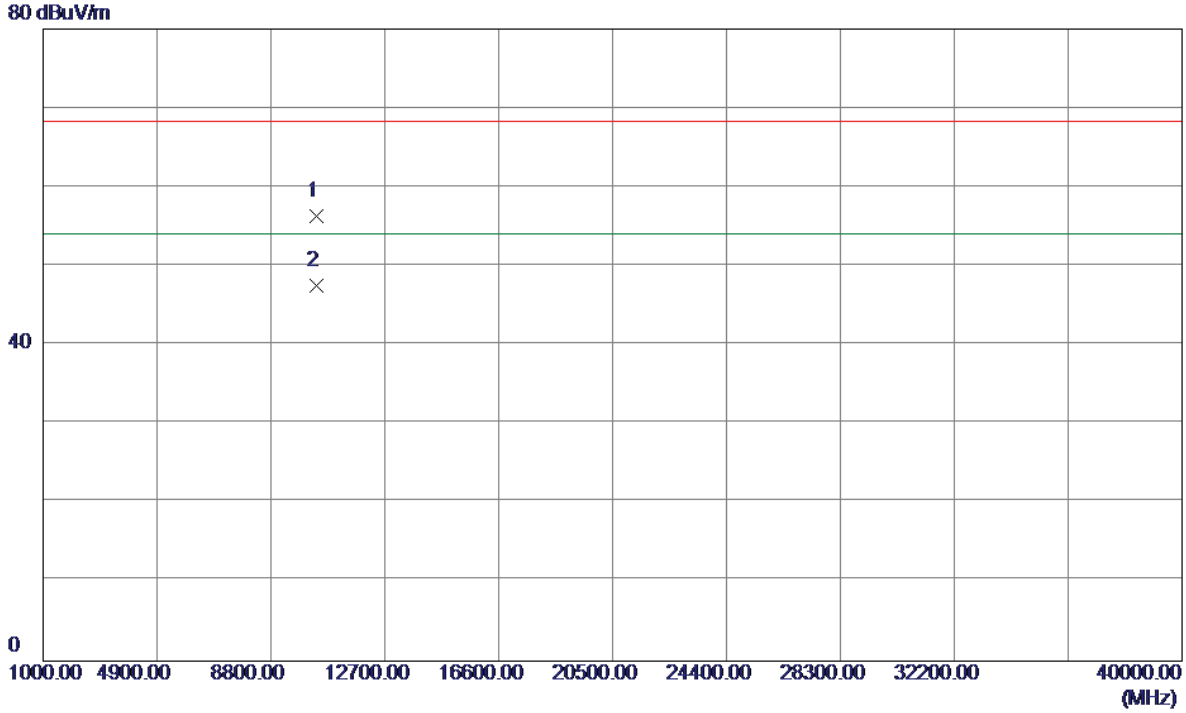
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5106.4000	22.06	41.26	63.32	68.30	-4.98	Peak	
2	5106.4000	11.37	41.26	52.63	54.00	-1.37	AVG	
3	5150.0000	18.73	41.40	60.13	68.30	-8.17	Peak	
4	5150.0000	7.68	41.40	49.08	54.00	-4.92	AVG	
5	5186.4000	55.67	41.52	97.19	54.00	43.19	AVG	NO Limit
6	5195.6000	67.06	41.56	108.62	68.30	40.32	Peak	NO Limit

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

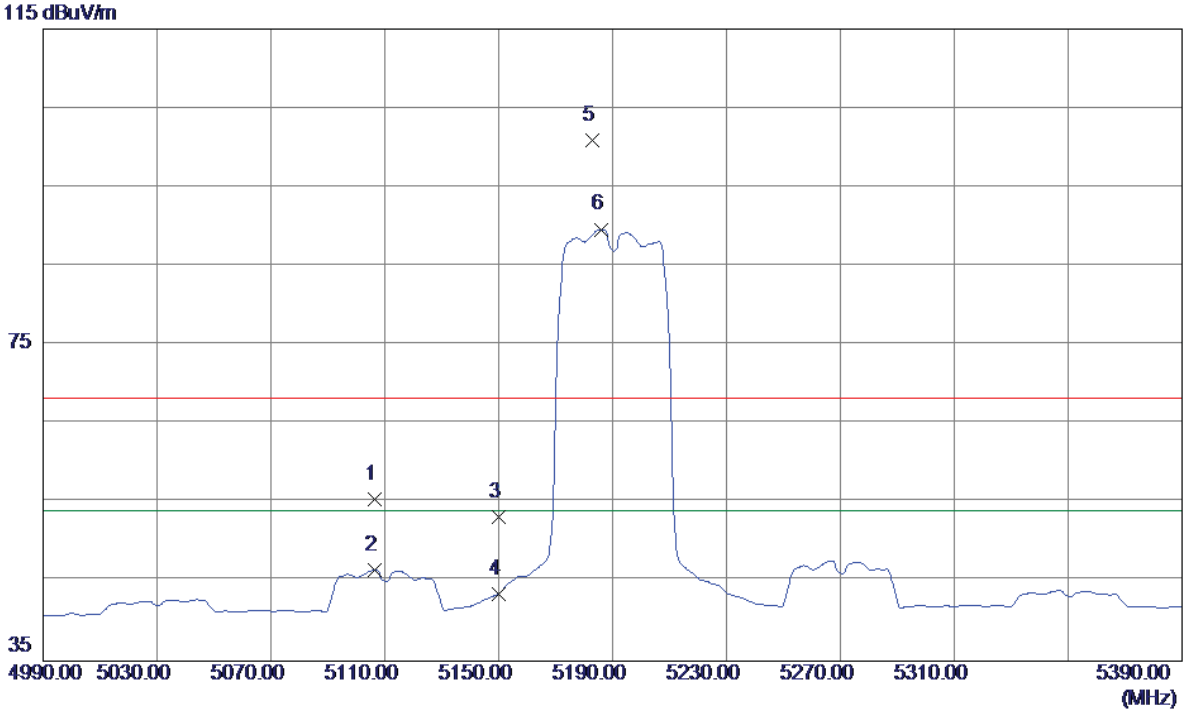
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.2000	39.73	16.55	56.28	68.30	-12.02	Peak	
2	10380.2000	30.96	16.55	47.51	54.00	-6.49	AVG	

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

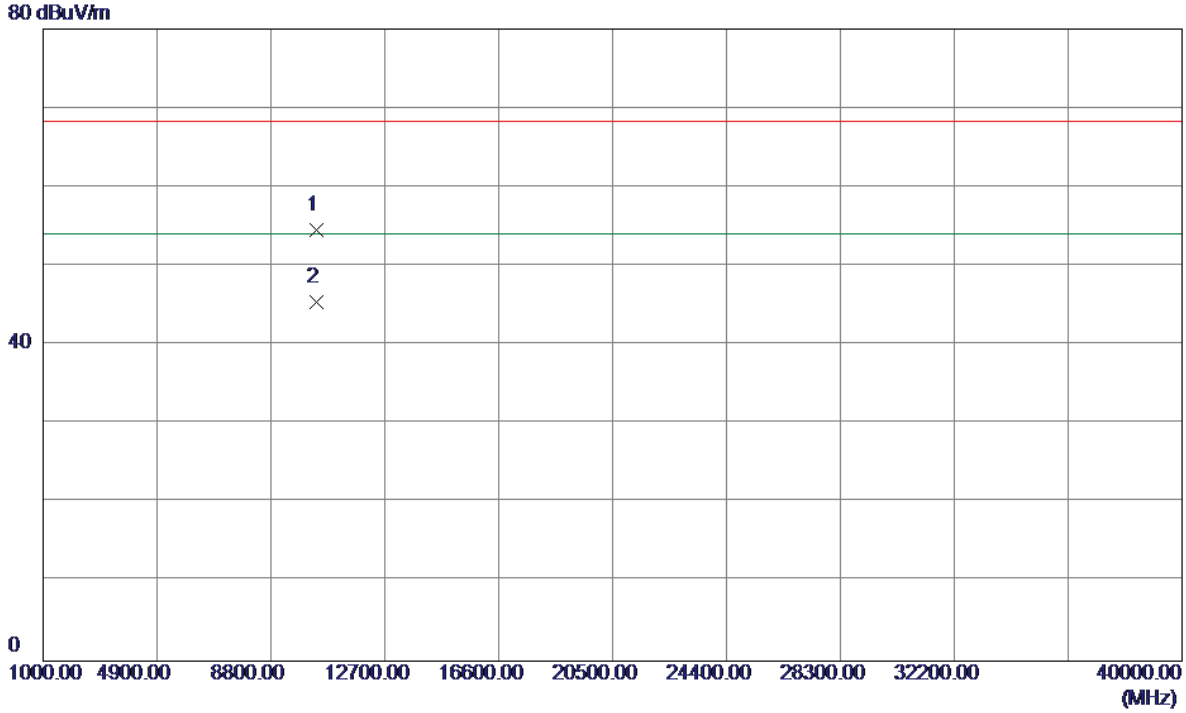
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5106.4000	14.23	41.26	55.49	68.30	-12.81	Peak	
2	5106.4000	5.27	41.26	46.53	54.00	-7.47	AVG	
3	5150.0000	11.80	41.40	53.20	68.30	-15.10	Peak	
4	5150.0000	2.15	41.40	43.55	54.00	-10.45	AVG	
5	5182.8000	59.45	41.51	100.96	68.30	32.66	Peak	NO Limit
6	5186.0000	48.12	41.52	89.64	54.00	35.64	AVG	NO Limit

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

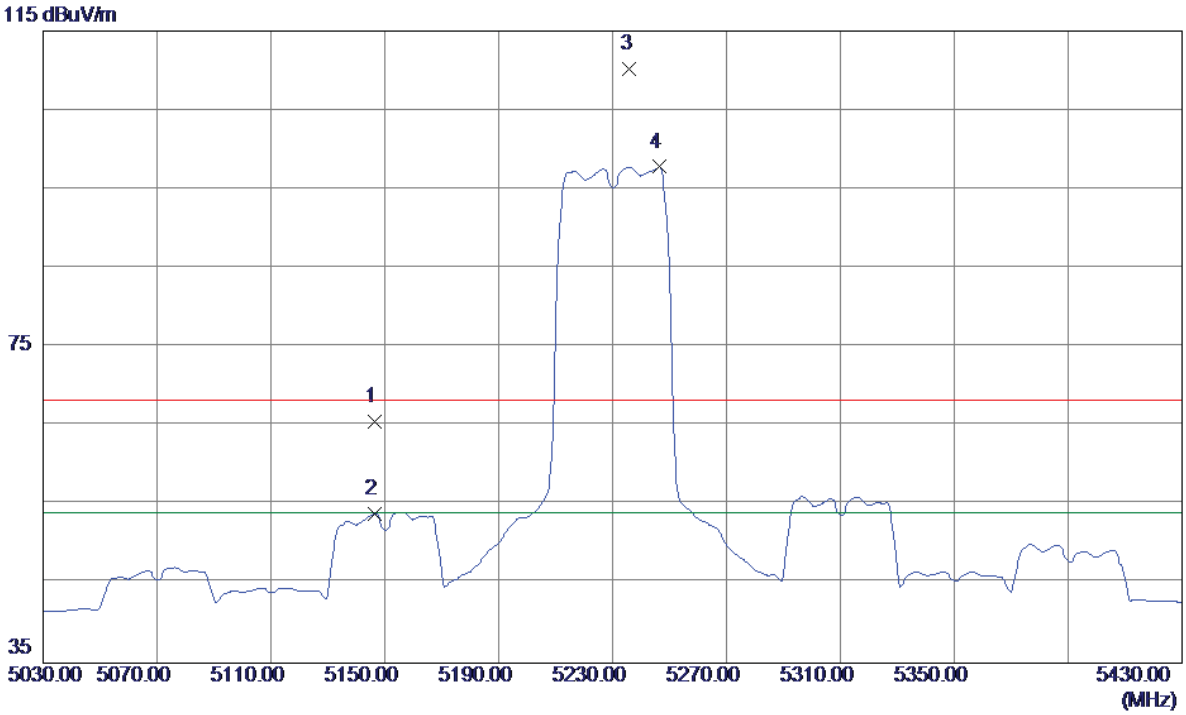
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.0300	37.98	16.55	54.53	68.30	-13.77	Peak	
2	10380.1700	28.86	16.55	45.41	54.00	-8.59	AVG	

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

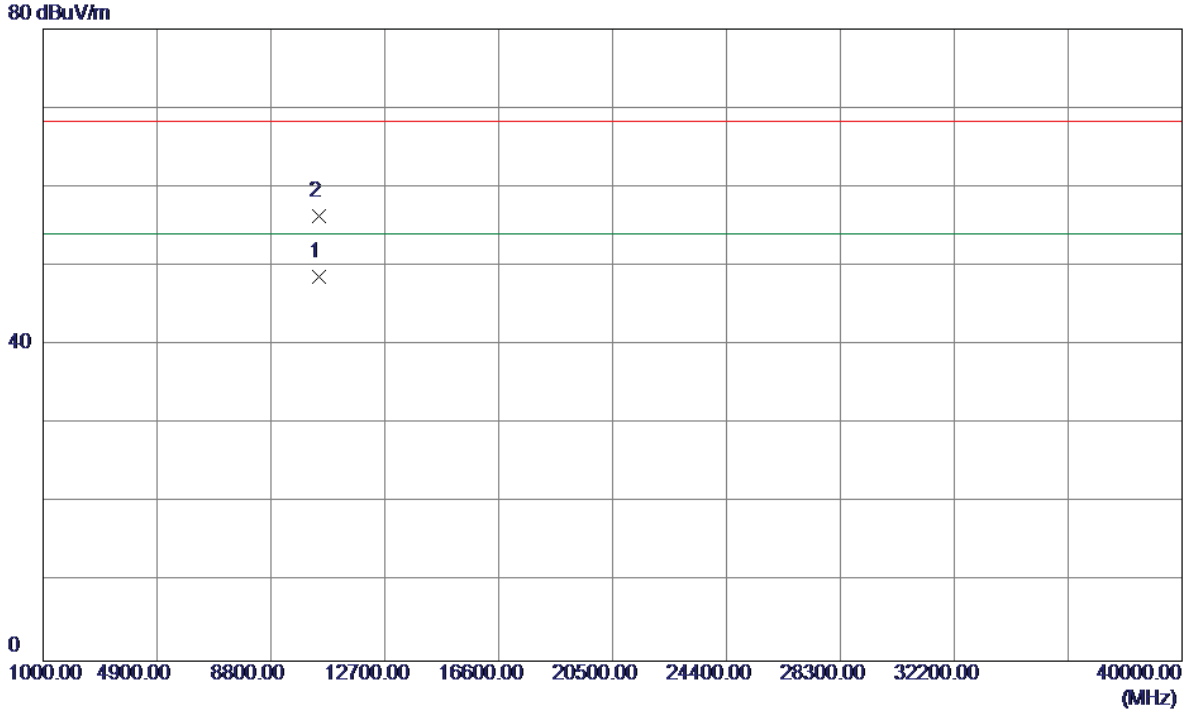
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5146.4000	24.13	41.39	65.52	68.30	-2.78	Peak	
2	5146.4000	12.49	41.39	53.88	54.00	-0.12	AVG	
3	5236.0000	68.47	41.69	110.16	68.30	41.86	Peak	NO Limit
4	5246.4000	56.08	41.72	97.80	54.00	43.80	AVG	NO Limit

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

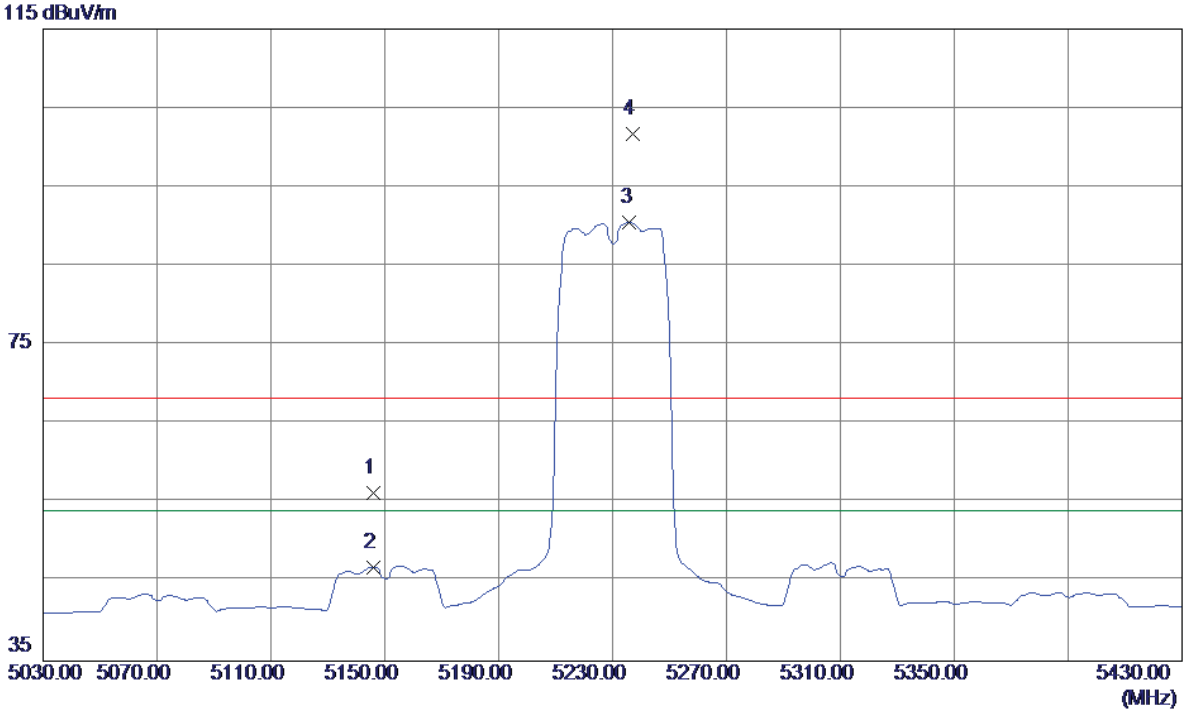
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.1700	32.11	16.59	48.70	54.00	-5.30	AVG	
2	10460.1900	39.77	16.59	56.36	68.30	-11.94	Peak	

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

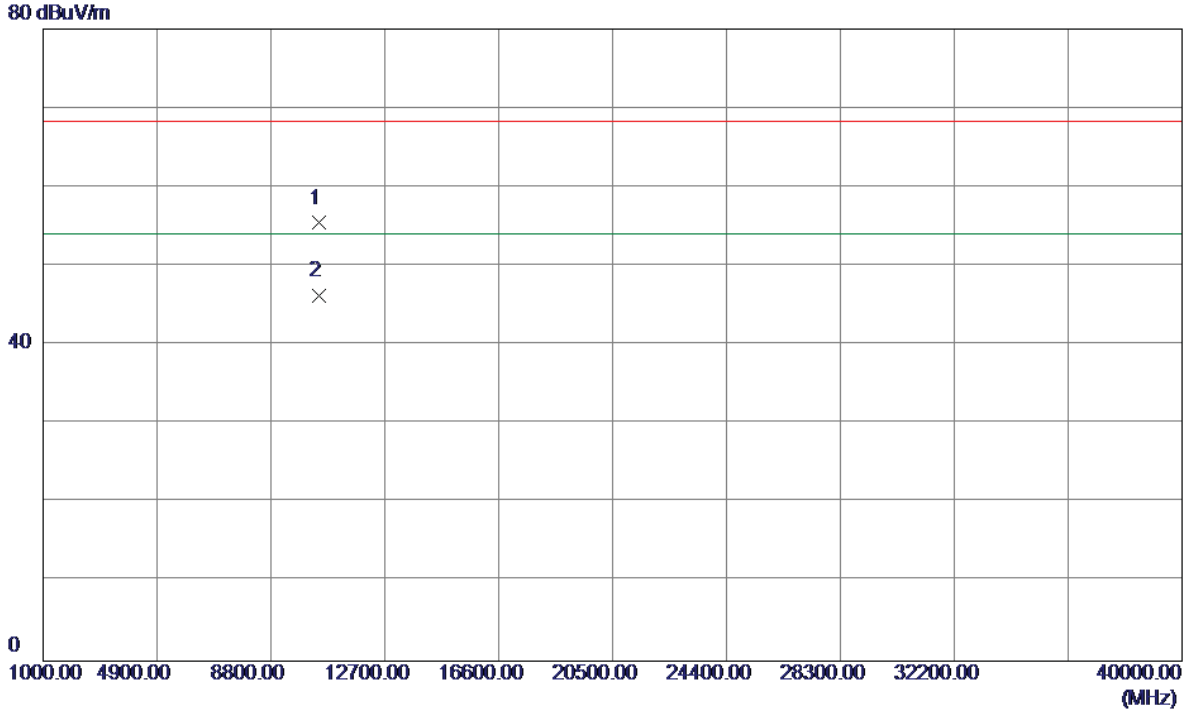
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5146.0000	14.95	41.39	56.34	68.30	-11.96	Peak	
2	5146.0000	5.53	41.39	46.92	54.00	-7.08	AVG	
3	5236.0000	48.81	41.69	90.50	54.00	36.50	AVG	NO Limit
4	5237.2000	60.05	41.69	101.74	68.30	33.44	Peak	NO Limit

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

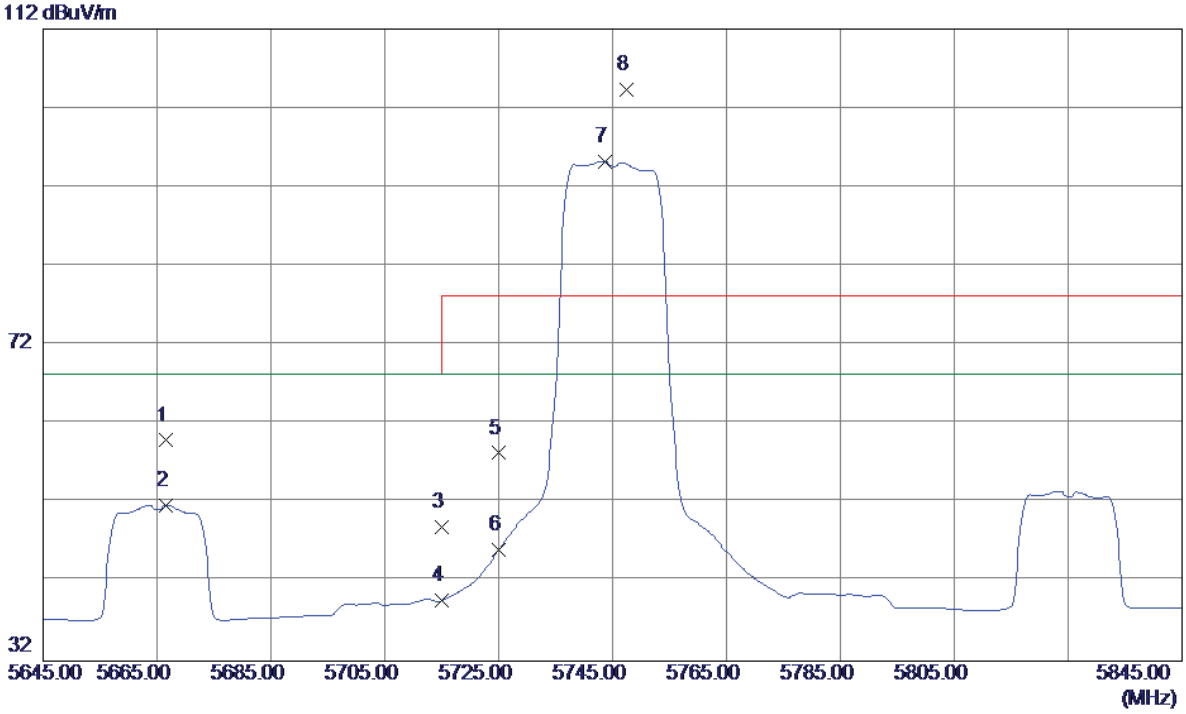
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.0800	38.85	16.59	55.44	68.30	-12.86	Peak	
2	10460.1800	29.69	16.59	46.28	54.00	-7.72	AVG	

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

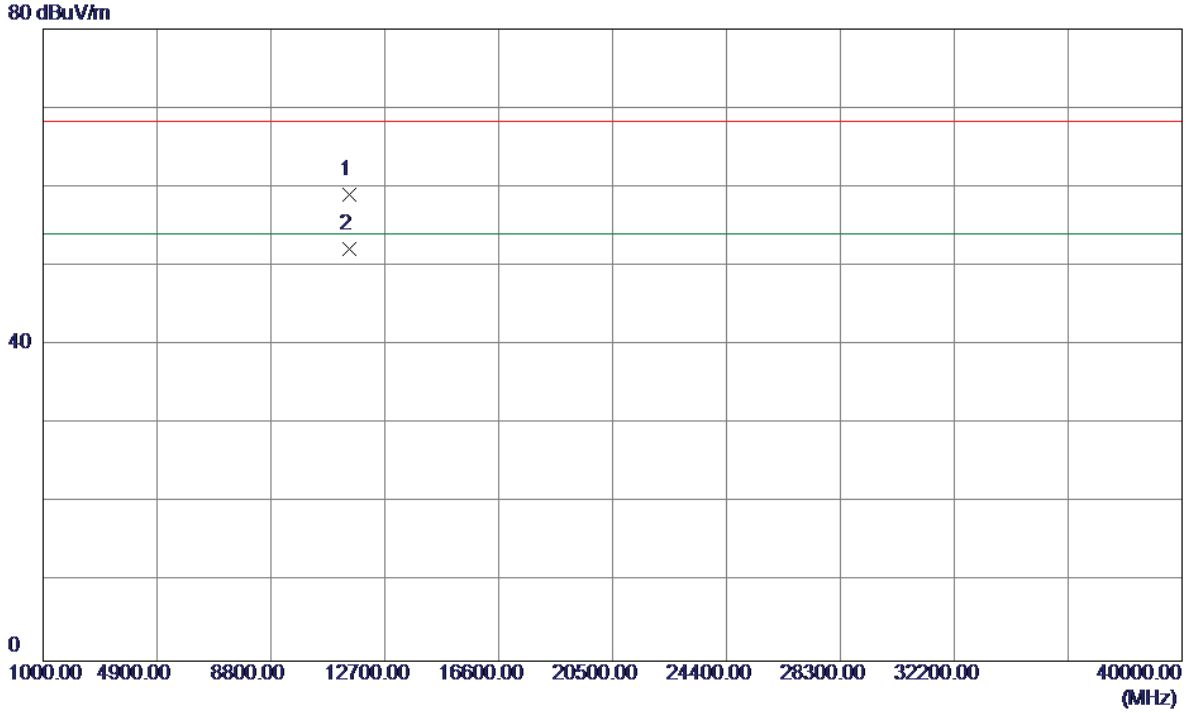
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5666.6000	16.99	42.93	59.92	68.30	-8.38	Peak	
2	5666.6000	8.83	42.93	51.76	68.30	-16.54	AVG	
3	5715.0000	5.93	43.04	48.97	68.30	-19.33	Peak	
4	5715.0000	-3.40	43.04	39.64	68.30	-28.66	AVG	
5	5725.0000	15.26	43.06	58.32	78.30	-19.98	Peak	
6	5725.0000	3.04	43.06	46.10	68.30	-22.20	AVG	
7	5743.6000	52.16	43.10	95.26	68.30	26.96	AVG	NO Limit
8	5747.4000	61.18	43.11	104.29	78.30	25.99	Peak	NO Limit

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

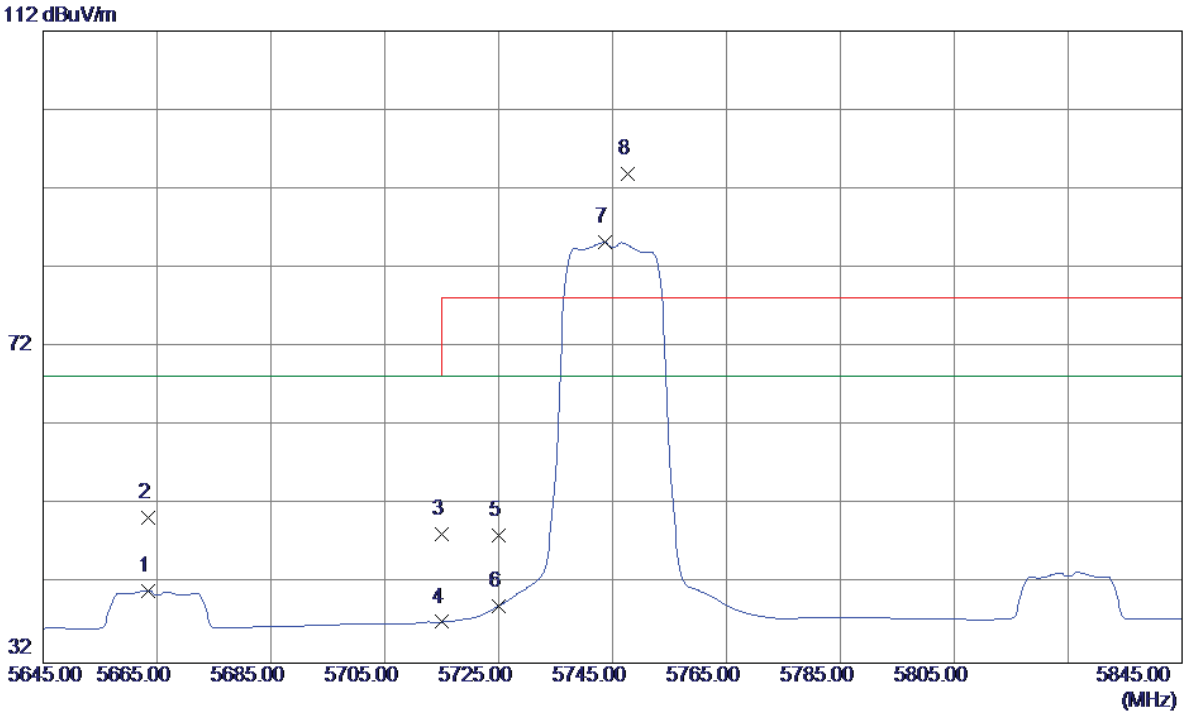
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.2200	42.11	16.91	59.02	68.30	-9.28	Peak	
2	11490.2200	35.24	16.91	52.15	54.00	-1.85	AVG	

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

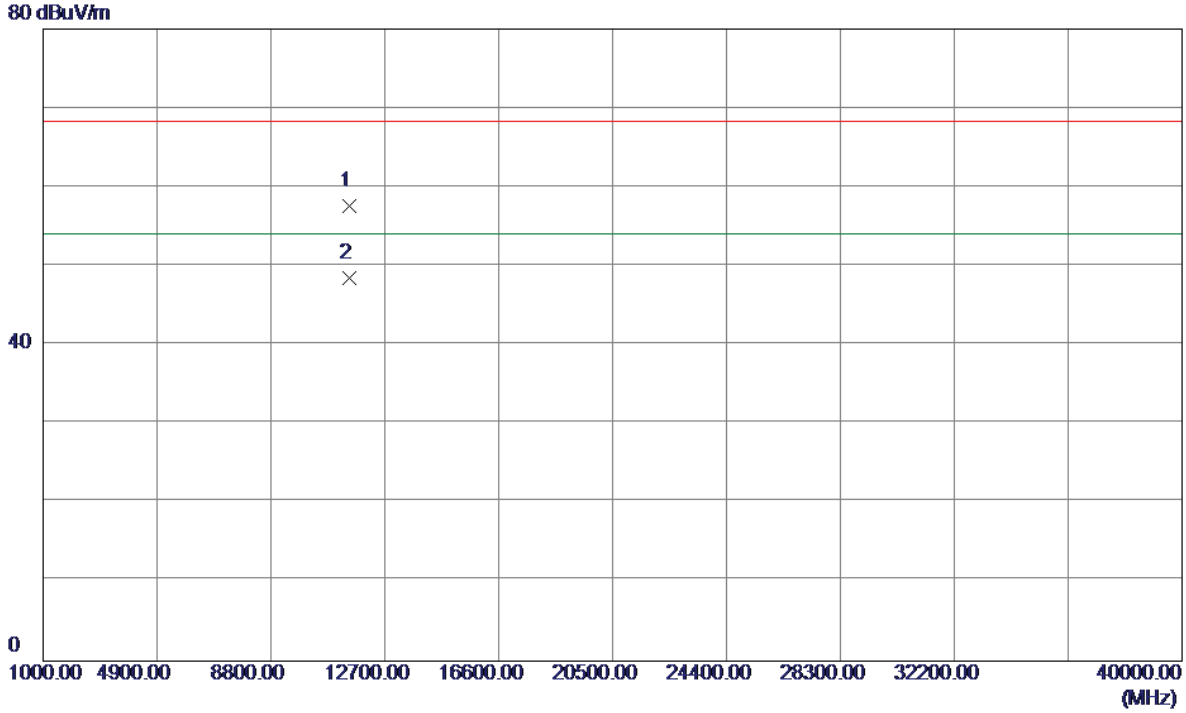
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5663.4000	-1.77	42.92	41.15	68.30	-27.15	AVG	
2	5663.5000	7.53	42.92	50.45	68.30	-17.85	Peak	
3	5715.0000	5.35	43.04	48.39	68.30	-19.91	Peak	
4	5715.0000	-5.84	43.04	37.20	68.30	-31.10	AVG	
5	5725.0000	5.13	43.06	48.19	78.30	-30.11	Peak	
6	5725.0000	-3.79	43.06	39.27	68.30	-29.03	AVG	
7	5743.6000	42.15	43.10	85.25	68.30	16.95	AVG	NO Limit
8	5747.6000	50.87	43.11	93.98	78.30	15.68	Peak	NO Limit

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

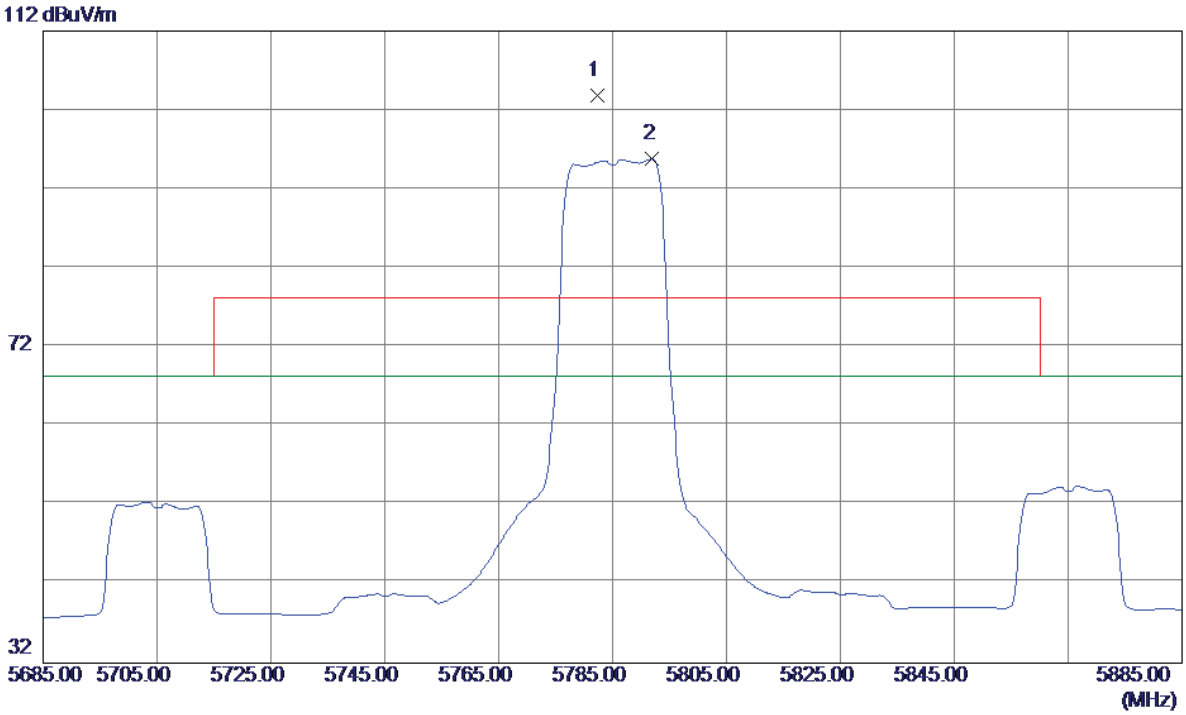
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.2100	40.62	16.91	57.53	68.30	-10.77	Peak	
2	11490.2100	31.57	16.91	48.48	54.00	-5.52	AVG	

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

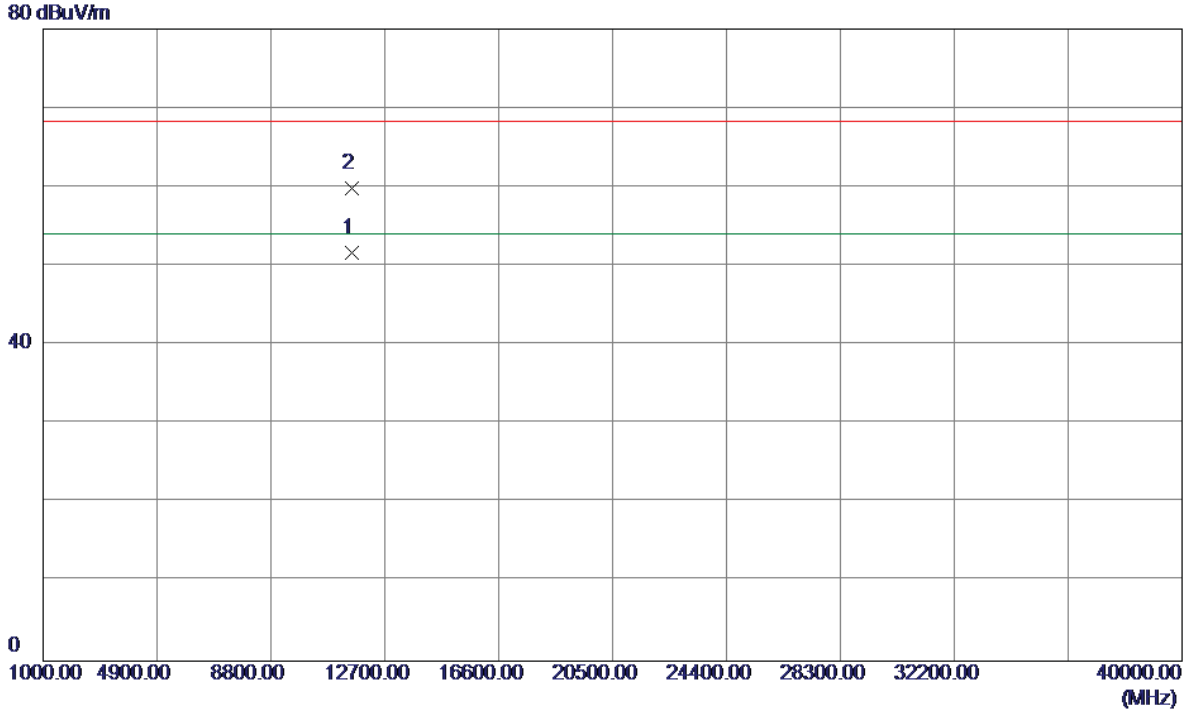
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5782.4000	60.72	43.19	103.91	78.30	25.61	Peak	NO Limit
2	5792.0000	52.65	43.21	95.86	68.30	27.56	AVG	NO Limit

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

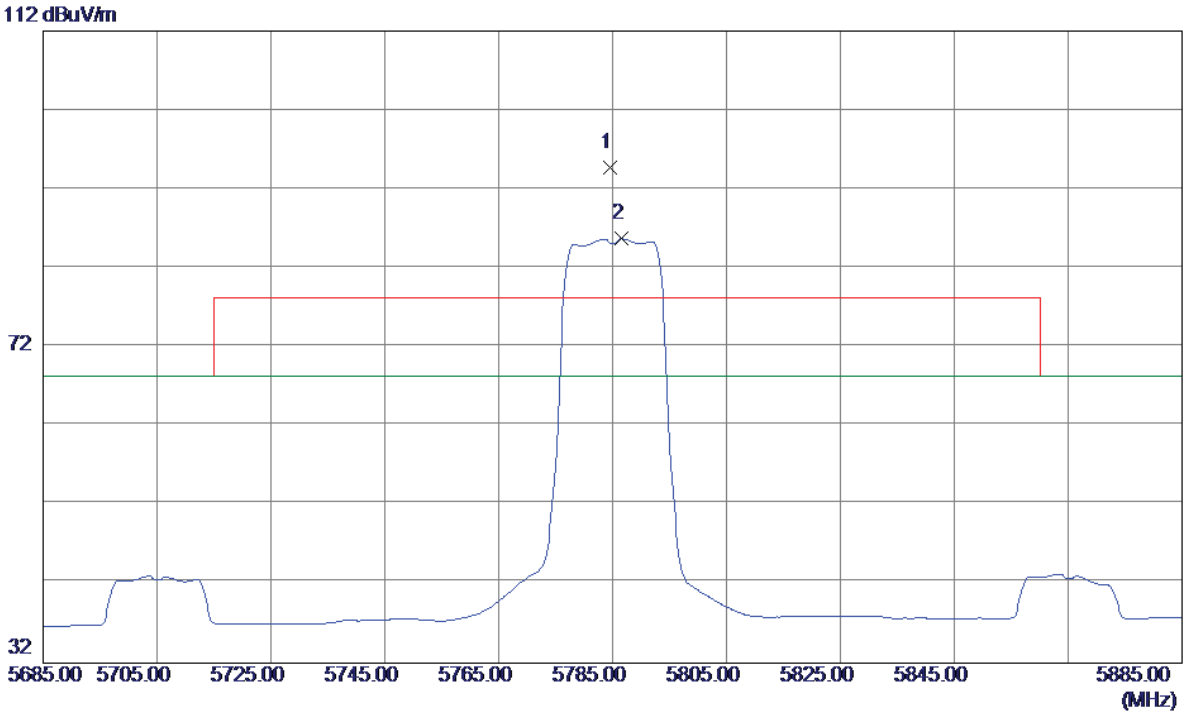
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.1200	34.58	17.05	51.63	54.00	-2.37	AVG	
2	11570.1300	42.75	17.05	59.80	68.30	-8.50	Peak	

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

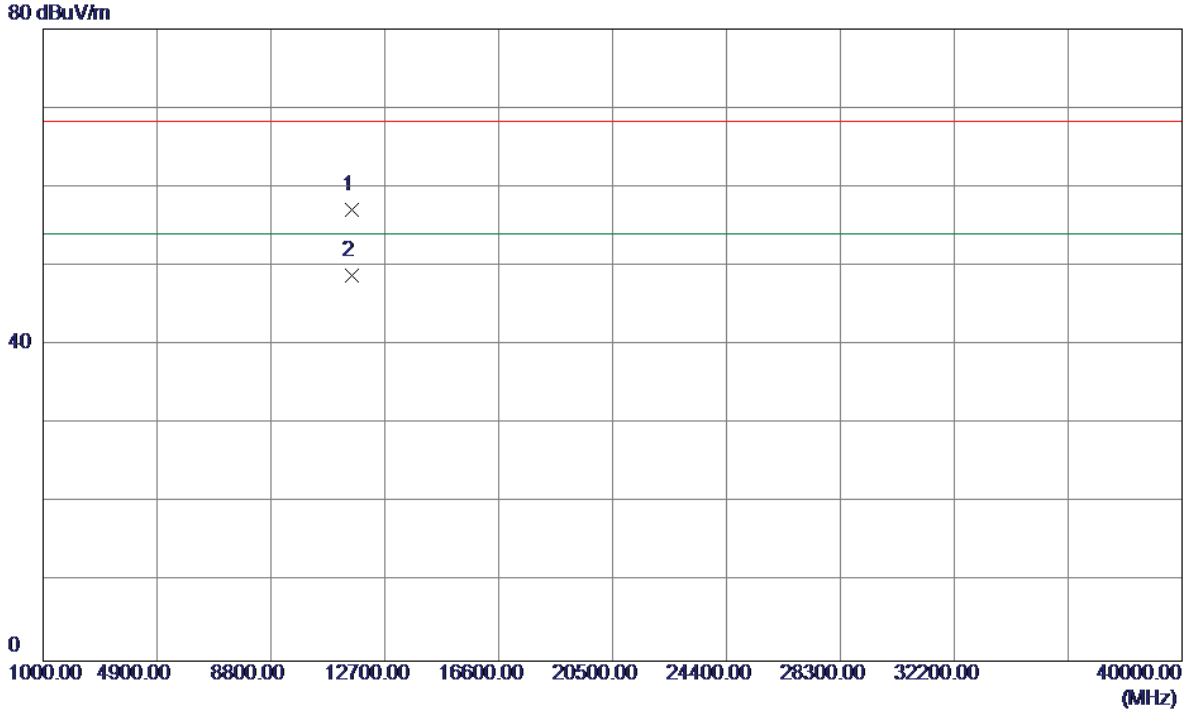
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5784.6000	51.47	43.19	94.66	78.30	16.36	Peak	NO Limit
2	5786.6000	42.52	43.20	85.72	68.30	17.42	AVG	NO Limit

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

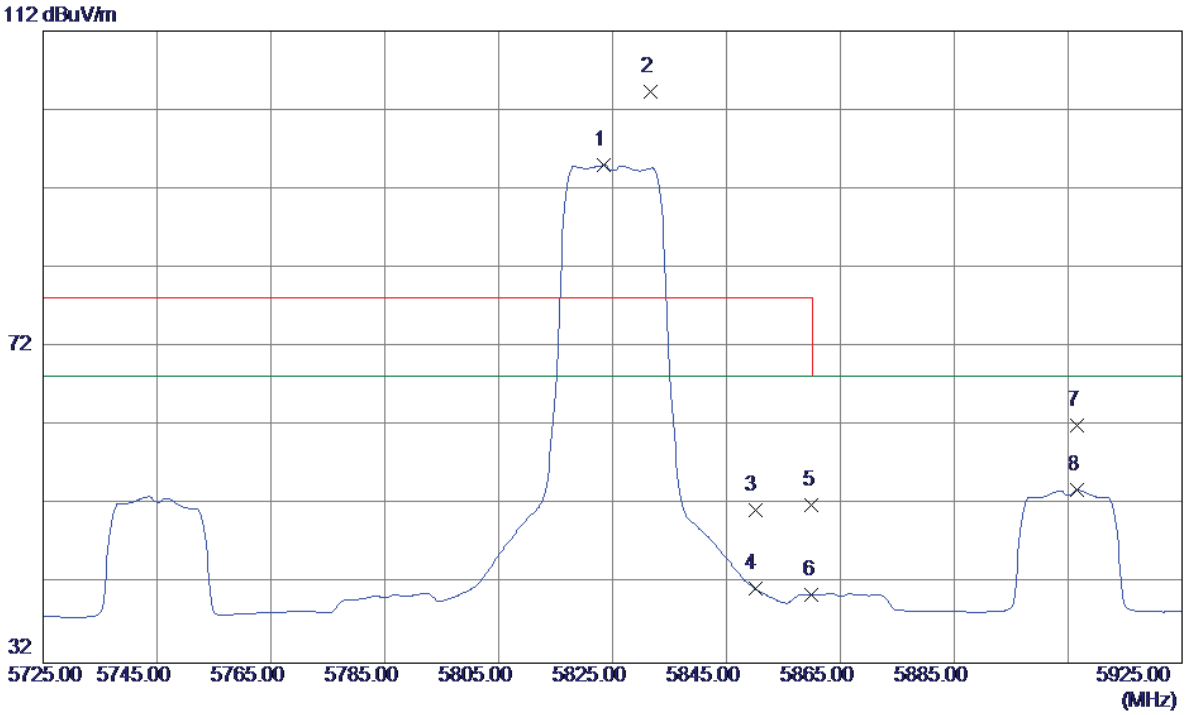
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.1000	40.08	17.05	57.13	68.30	-11.17	Peak	
2	11570.1300	31.75	17.05	48.80	54.00	-5.20	AVG	

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

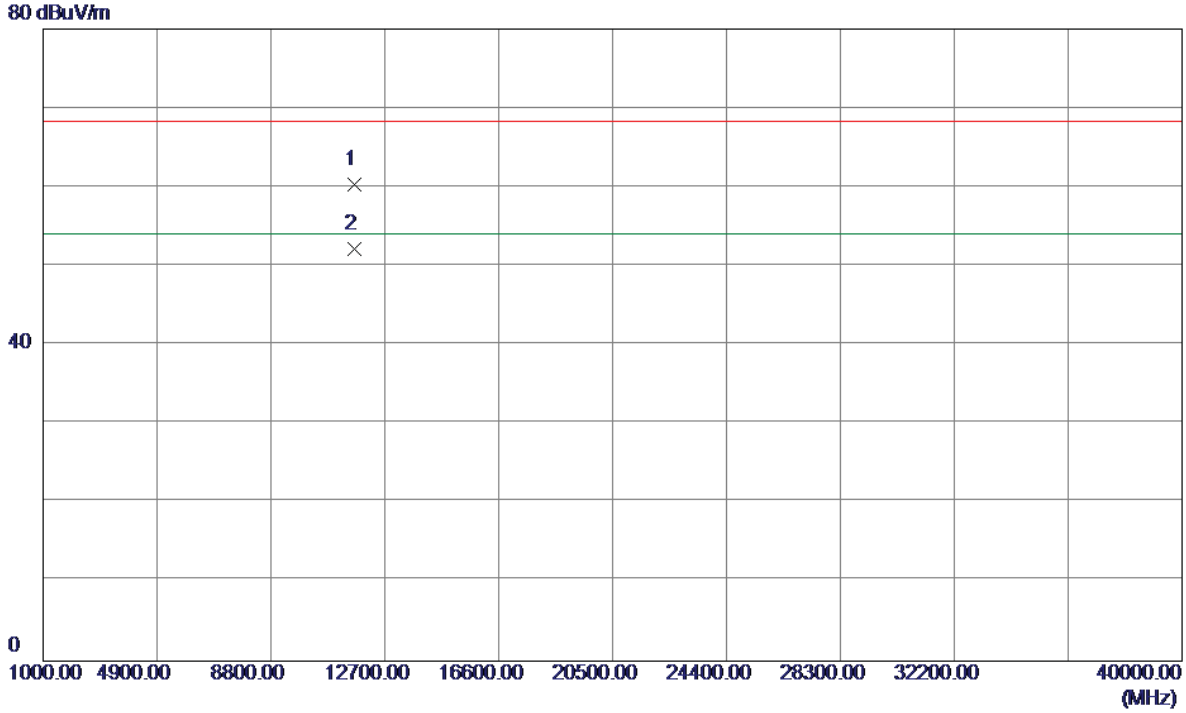
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5823.4000	51.72	43.28	95.00	68.30	26.70	AVG	NO Limit
2	5831.6000	61.07	43.30	104.37	78.30	26.07	Peak	NO Limit
3	5850.0000	7.96	43.34	51.30	78.30	-27.00	Peak	
4	5850.0000	-1.94	43.34	41.40	68.30	-26.90	AVG	
5	5860.0000	8.65	43.36	52.01	78.30	-26.29	Peak	
6	5860.0000	-2.76	43.36	40.60	68.30	-27.70	AVG	
7	5906.6000	18.63	43.46	62.09	68.30	-6.21	Peak	
8	5906.6000	10.45	43.46	53.91	68.30	-14.39	AVG	

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

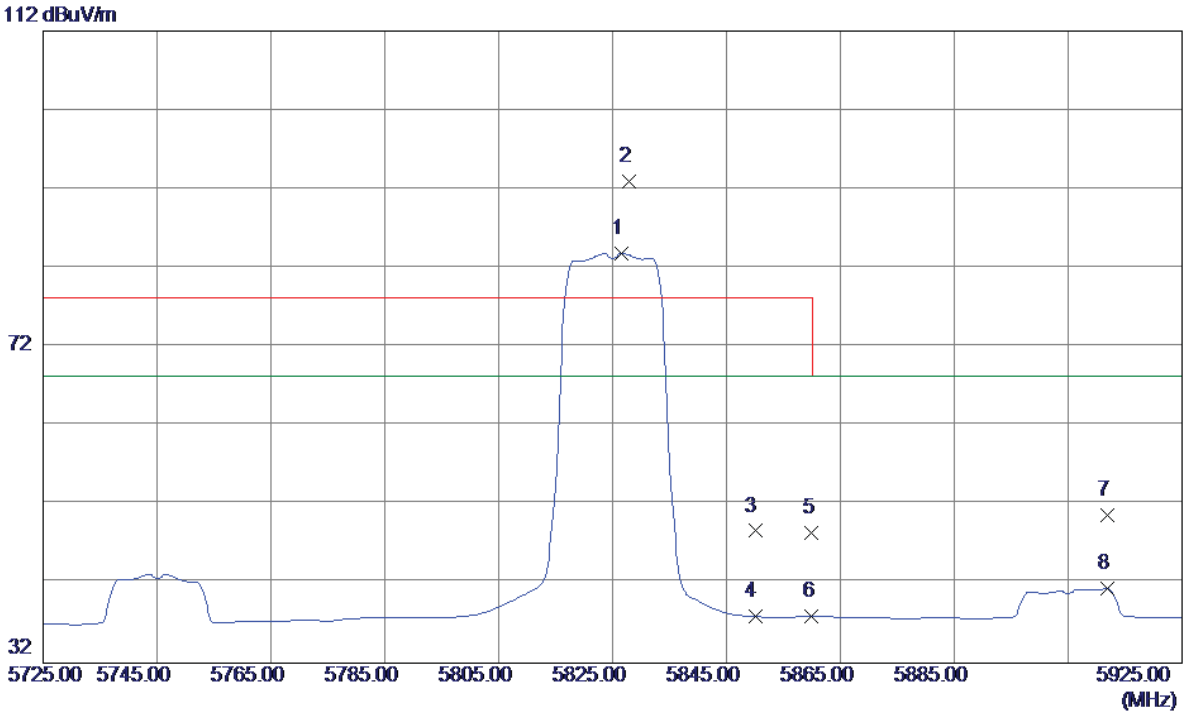
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.1200	43.13	17.17	60.30	68.30	-8.00	Peak	
2	11650.1200	35.02	17.17	52.19	54.00	-1.81	AVG	

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

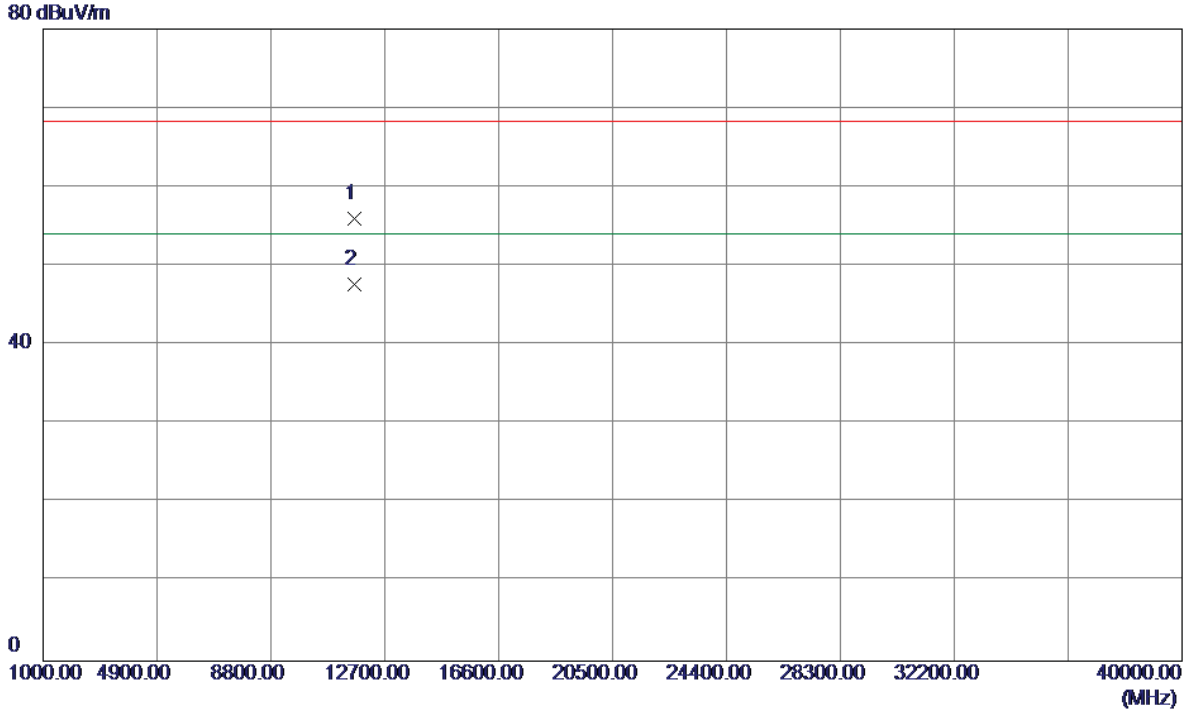
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5826.6000	40.61	43.28	83.89	68.30	15.59	AVG	NO Limit
2	5827.8000	49.65	43.29	92.94	78.30	14.64	Peak	NO Limit
3	5850.0000	5.38	43.34	48.72	78.30	-29.58	Peak	
4	5850.0000	-5.45	43.34	37.89	68.30	-30.41	AVG	
5	5860.0000	5.10	43.36	48.46	78.30	-29.84	Peak	
6	5860.0000	-5.42	43.36	37.94	68.30	-30.36	AVG	
7	5911.8000	7.20	43.47	50.67	68.30	-17.63	Peak	
8	5911.8000	-2.05	43.47	41.42	68.30	-26.88	AVG	

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

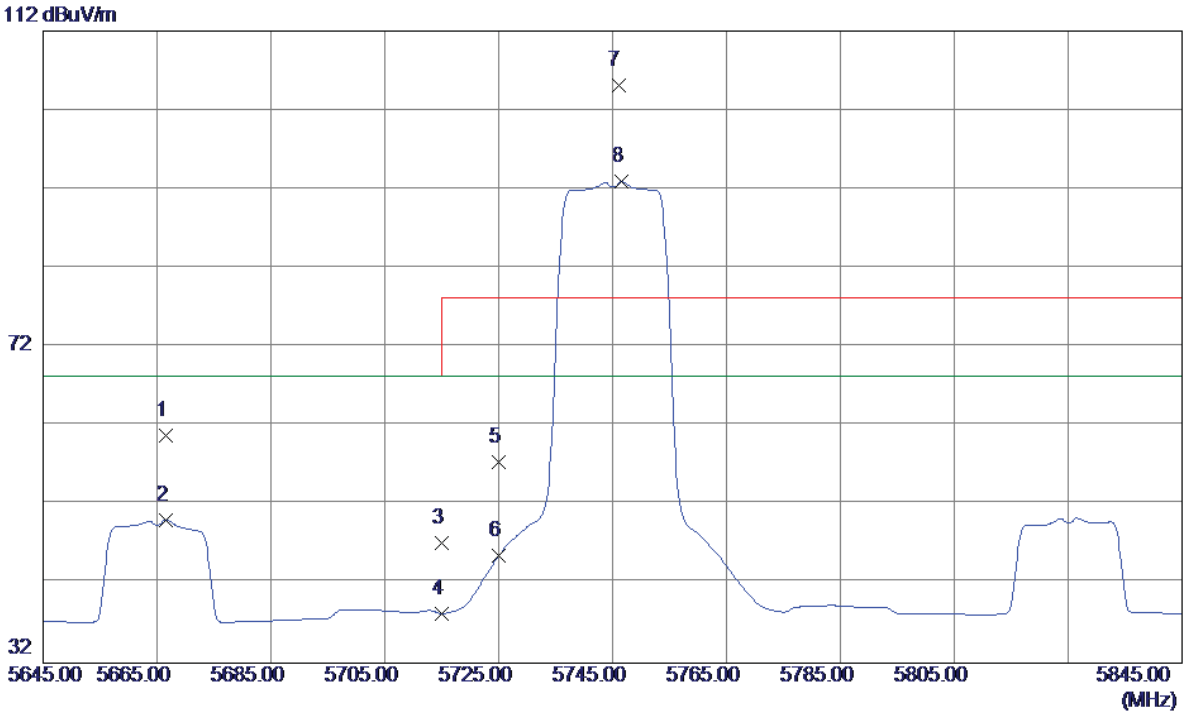
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11649.9800	38.78	17.17	55.95	68.30	-12.35	Peak	
2	11650.1400	30.51	17.17	47.68	54.00	-6.32	AVG	

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

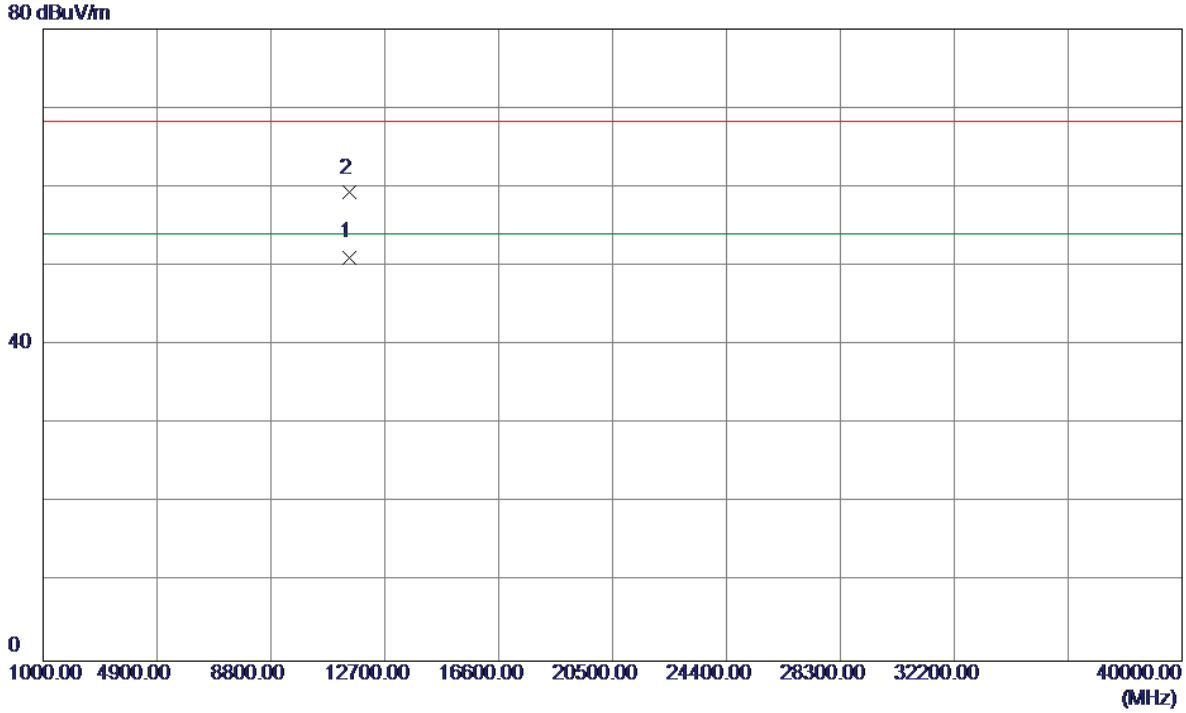
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5666.6000	17.84	42.93	60.77	68.30	-7.53	Peak	
2	5666.6000	7.17	42.93	50.10	68.30	-18.20	AVG	
3	5715.0000	4.22	43.04	47.26	68.30	-21.04	Peak	
4	5715.0000	-4.82	43.04	38.22	68.30	-30.08	AVG	
5	5725.0000	14.43	43.06	57.49	78.30	-20.81	Peak	
6	5725.0000	2.53	43.06	45.59	68.30	-22.71	AVG	
7	5746.0000	62.02	43.11	105.13	78.30	26.83	Peak	NO Limit
8	5746.6000	49.82	43.11	92.93	68.30	24.63	AVG	NO Limit

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

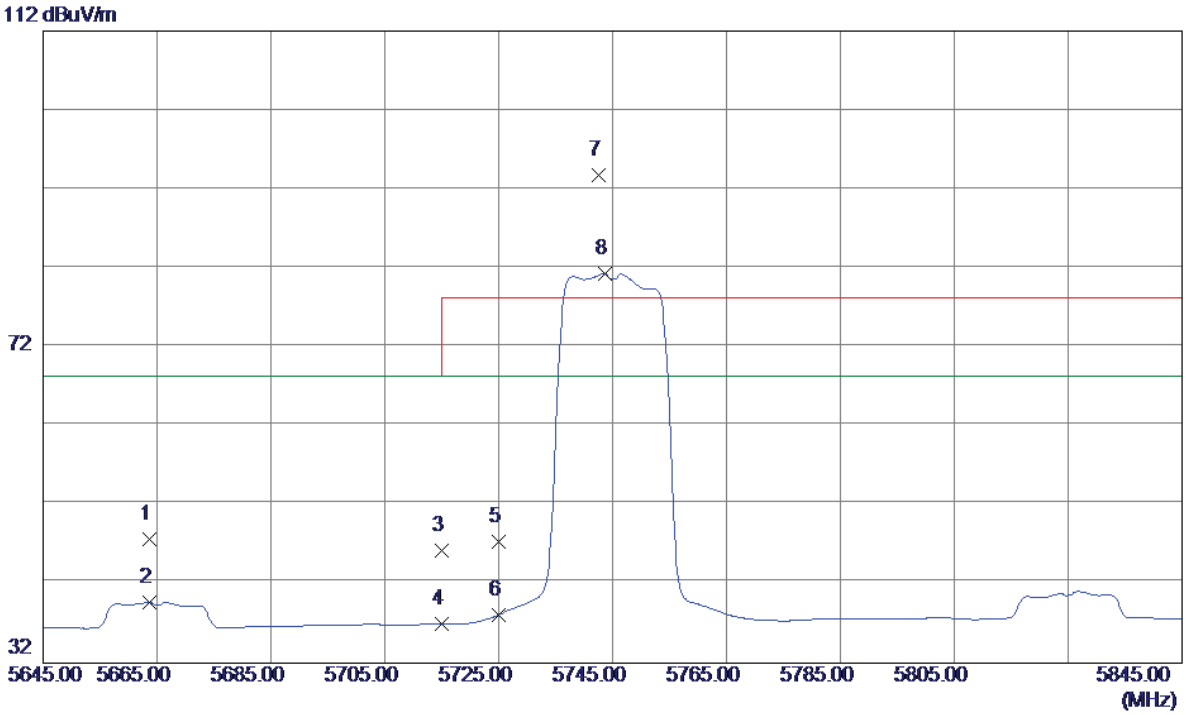
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.2200	34.21	16.91	51.12	54.00	-2.88	AVG	
2	11490.2300	42.37	16.91	59.28	68.30	-9.02	Peak	

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

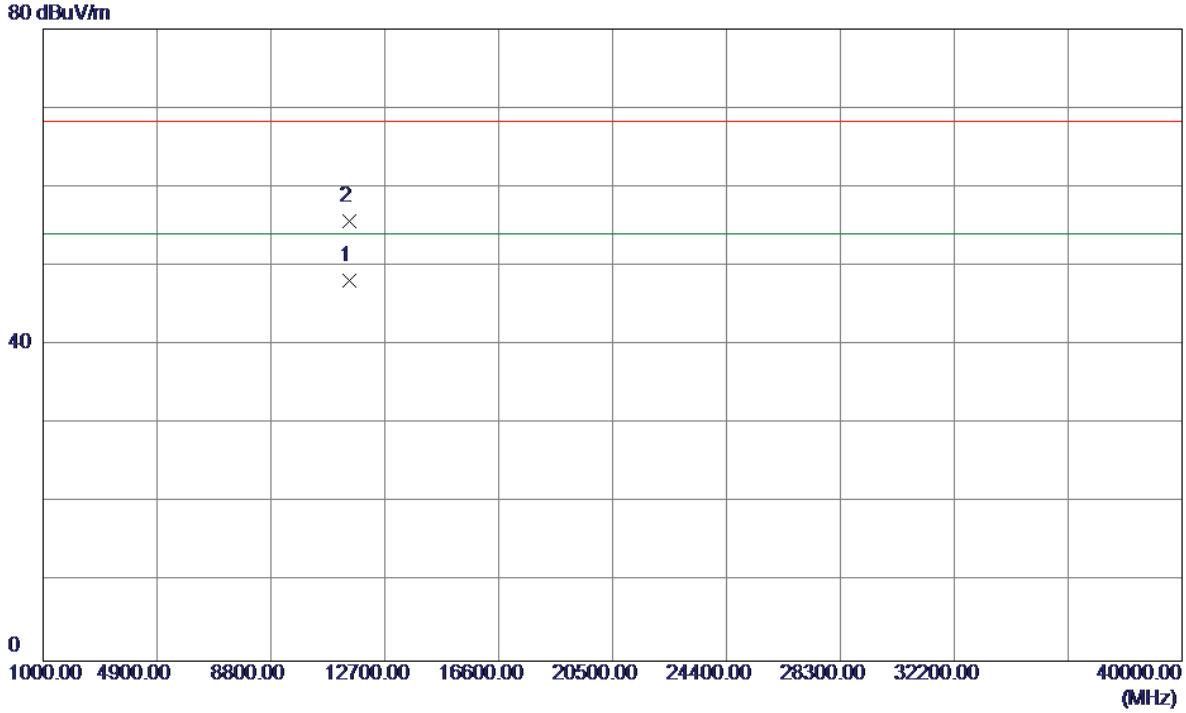
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5663.6000	4.76	42.92	47.68	68.30	-20.62	Peak	
2	5663.6000	-3.25	42.92	39.67	68.30	-28.63	AVG	
3	5715.0000	3.17	43.04	46.21	68.30	-22.09	Peak	
4	5715.0000	-6.07	43.04	36.97	68.30	-31.33	AVG	
5	5725.0000	4.24	43.06	47.30	78.30	-31.00	Peak	
6	5725.0000	-4.96	43.06	38.10	68.30	-30.20	AVG	
7	5742.6000	50.70	43.10	93.80	78.30	15.50	Peak	NO Limit
8	5743.6000	38.22	43.10	81.32	68.30	13.02	AVG	NO Limit

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

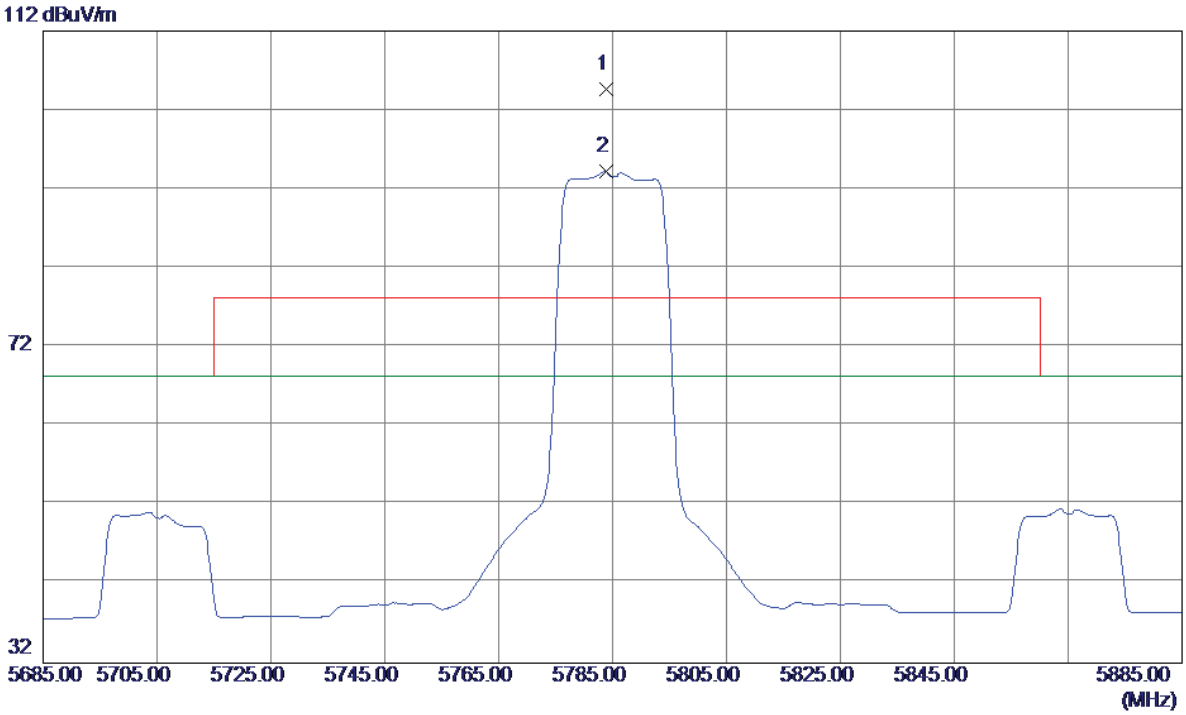
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.2300	31.22	16.91	48.13	54.00	-5.87	AVG	
2	11490.2699	38.71	16.91	55.62	68.30	-12.68	Peak	

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

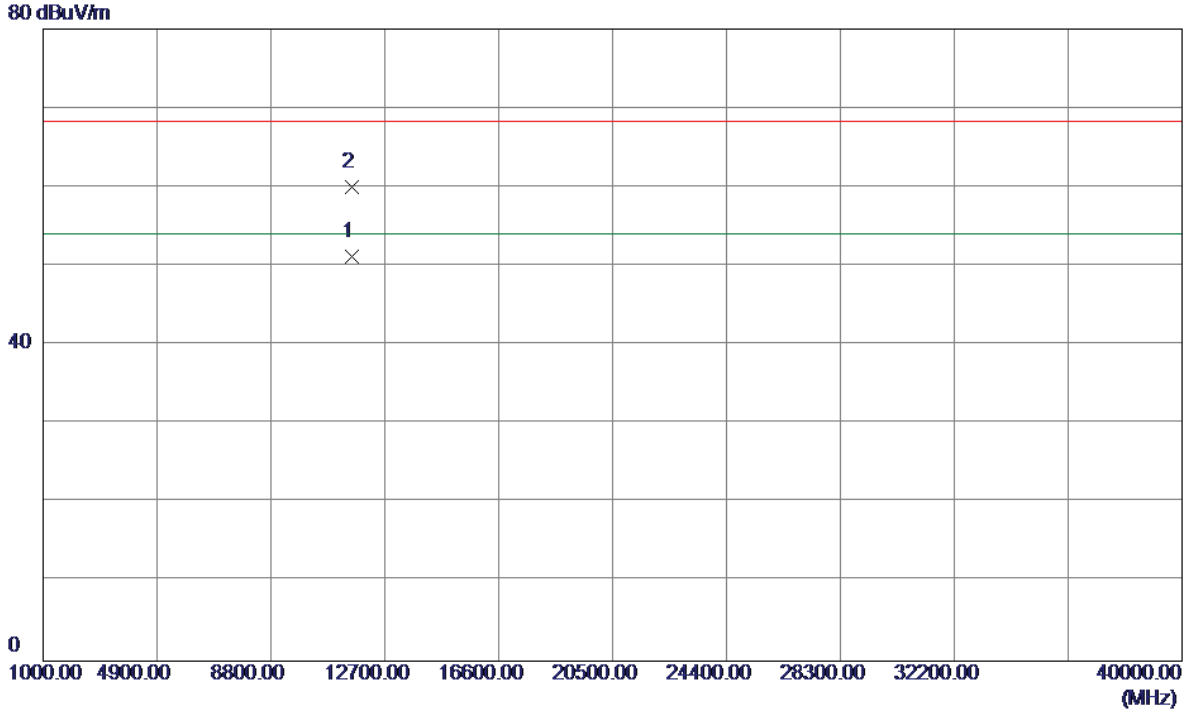
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5783.8000	61.46	43.19	104.65	78.30	26.35	Peak	NO Limit
2	5783.8000	51.00	43.19	94.19	68.30	25.89	AVG	NO Limit

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

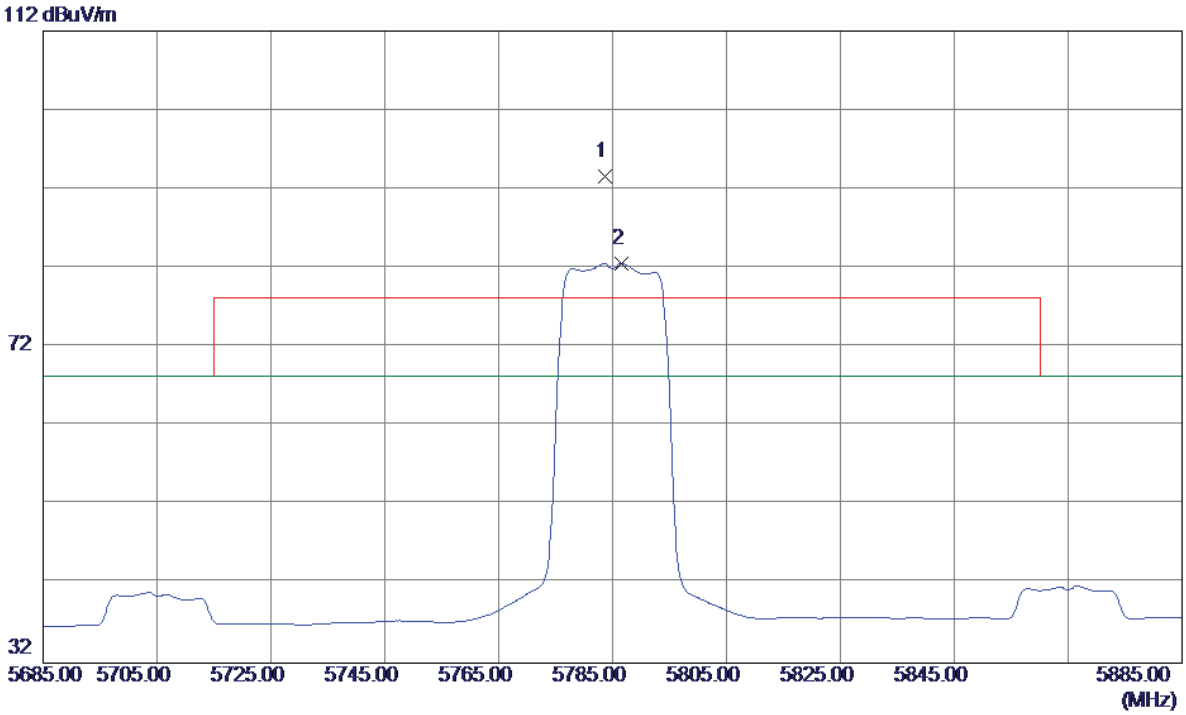
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.2300	34.20	17.05	51.25	54.00	-2.75	AVG	
2	11570.2500	42.91	17.05	59.96	68.30	-8.34	Peak	

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

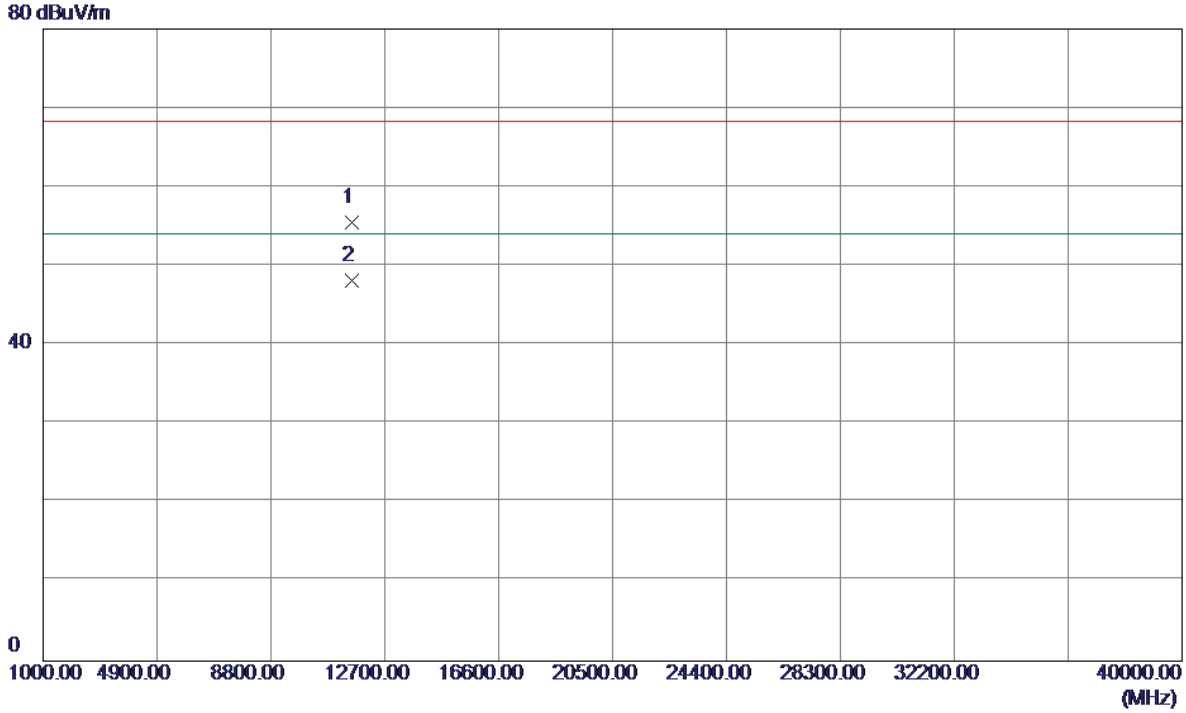
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5783.6000	50.43	43.19	93.62	78.30	15.32	Peak	NO Limit
2	5786.6000	39.39	43.20	82.59	68.30	14.29	AVG	NO Limit

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

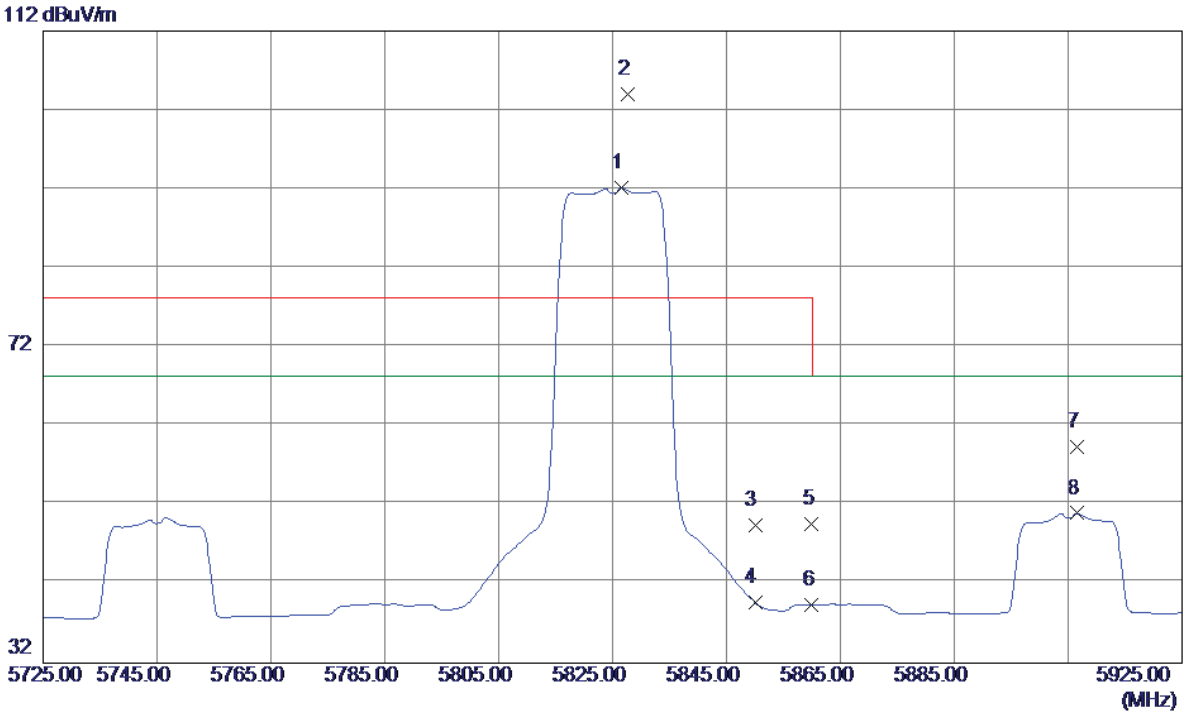
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.2300	38.45	17.05	55.50	68.30	-12.80	Peak	
2	11570.2300	31.07	17.05	48.12	54.00	-5.88	AVG	

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

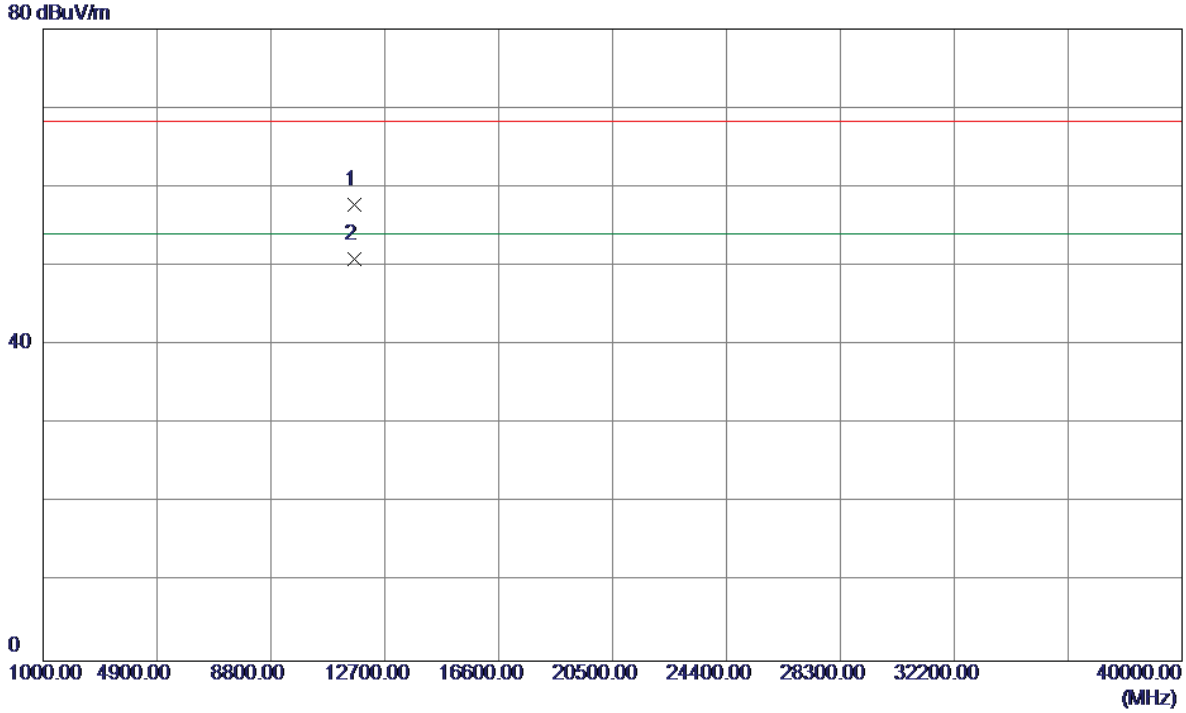
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5826.6000	48.87	43.28	92.15	68.30	23.85	AVG	NO Limit
2	5827.6000	60.68	43.29	103.97	78.30	25.67	Peak	NO Limit
3	5850.0000	6.04	43.34	49.38	78.30	-28.92	Peak	
4	5850.0000	-3.67	43.34	39.67	68.30	-28.63	AVG	
5	5860.0000	6.22	43.36	49.58	78.30	-28.72	Peak	
6	5860.0000	-4.00	43.36	39.36	68.30	-28.94	AVG	
7	5906.6000	15.93	43.46	59.39	68.30	-8.91	Peak	
8	5906.6000	7.50	43.46	50.96	68.30	-17.34	AVG	

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

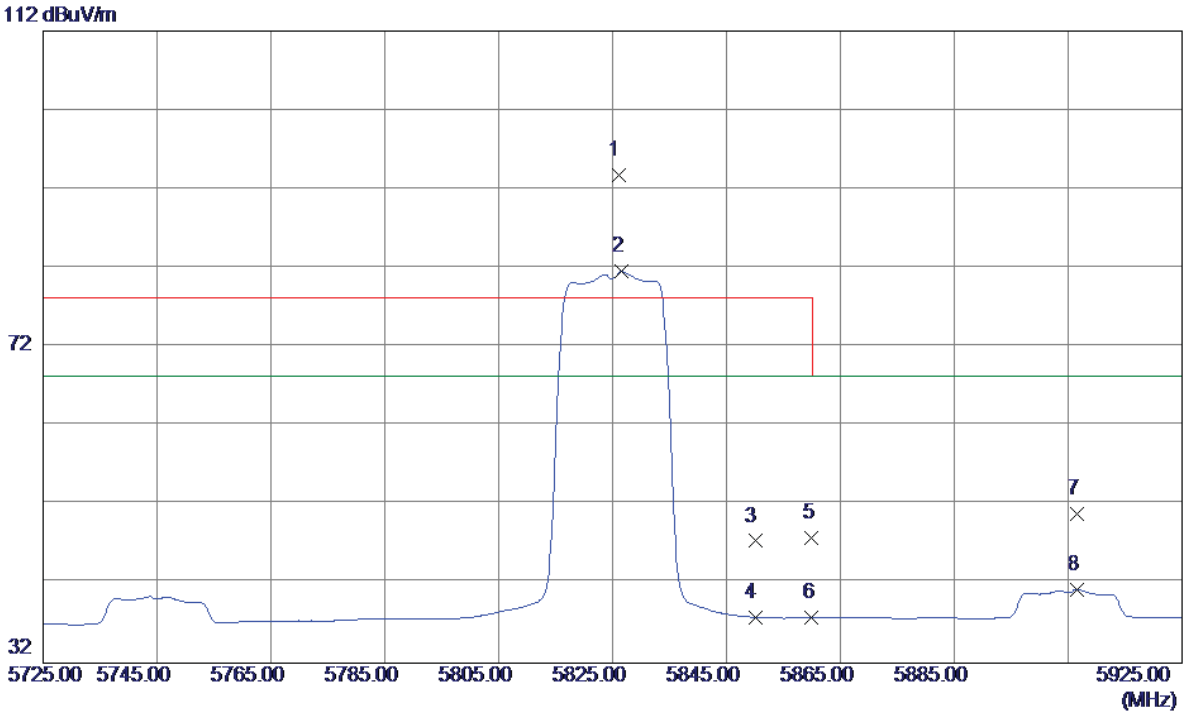
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.2300	40.54	17.17	57.71	68.30	-10.59	Peak	
2	11650.2300	33.78	17.17	50.95	54.00	-3.05	AVG	

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

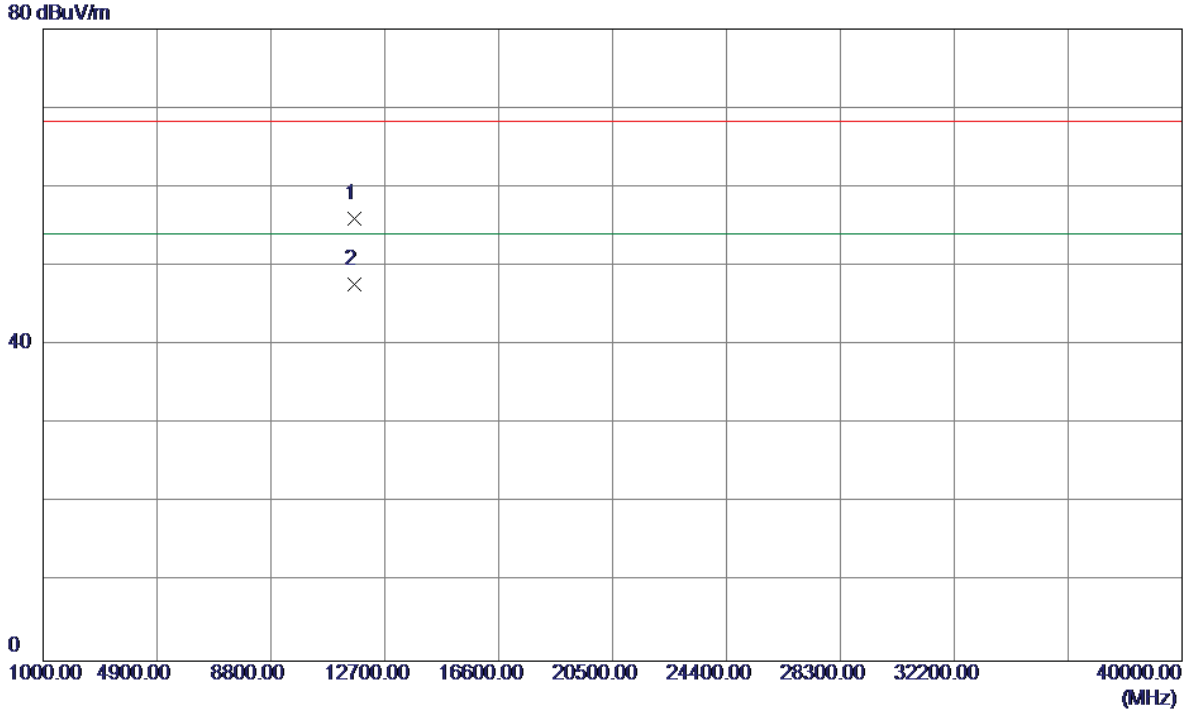
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5826.0000	50.53	43.28	93.81	78.30	15.51	Peak	NO Limit
2	5826.6000	38.25	43.28	81.53	68.30	13.23	AVG	NO Limit
3	5850.0000	4.10	43.34	47.44	78.30	-30.86	Peak	
4	5850.0000	-5.55	43.34	37.79	68.30	-30.51	AVG	
5	5860.0000	4.47	43.36	47.83	78.30	-30.47	Peak	
6	5860.0000	-5.53	43.36	37.83	68.30	-30.47	AVG	
7	5906.6000	7.49	43.46	50.95	68.30	-17.35	Peak	
8	5906.6000	-2.14	43.46	41.32	68.30	-26.98	AVG	

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

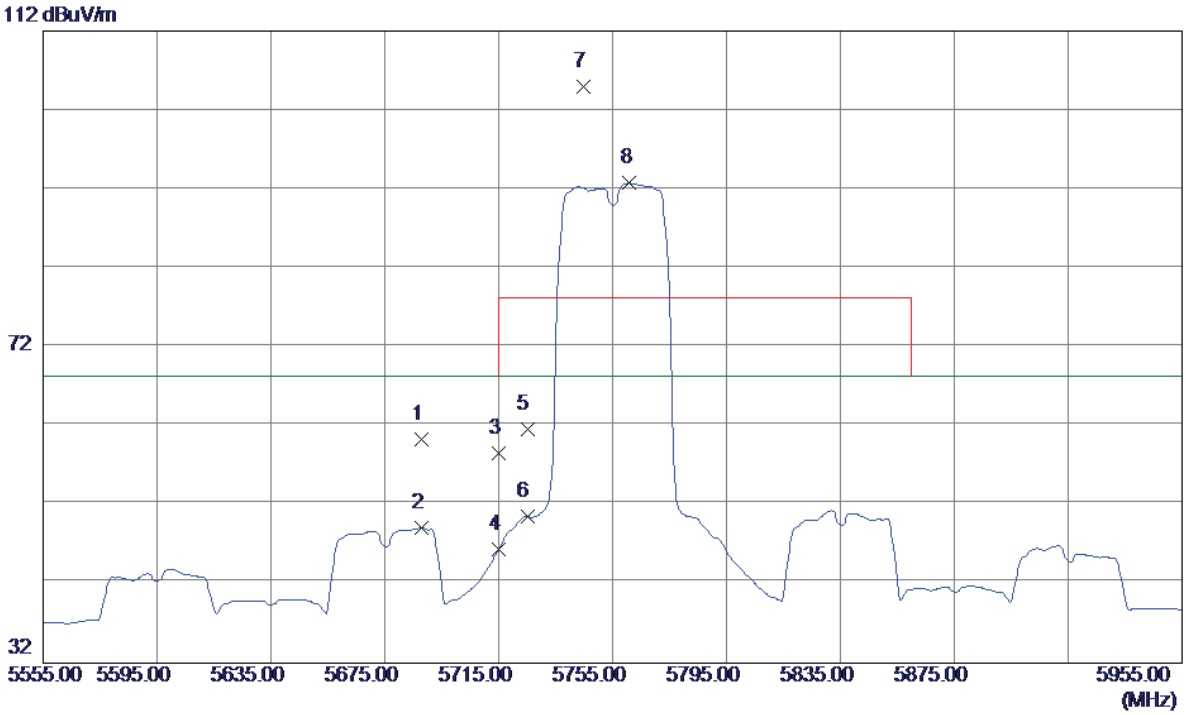
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.1200	38.76	17.17	55.93	68.30	-12.37	Peak	
2	11650.2100	30.52	17.17	47.69	54.00	-6.31	AVG	

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

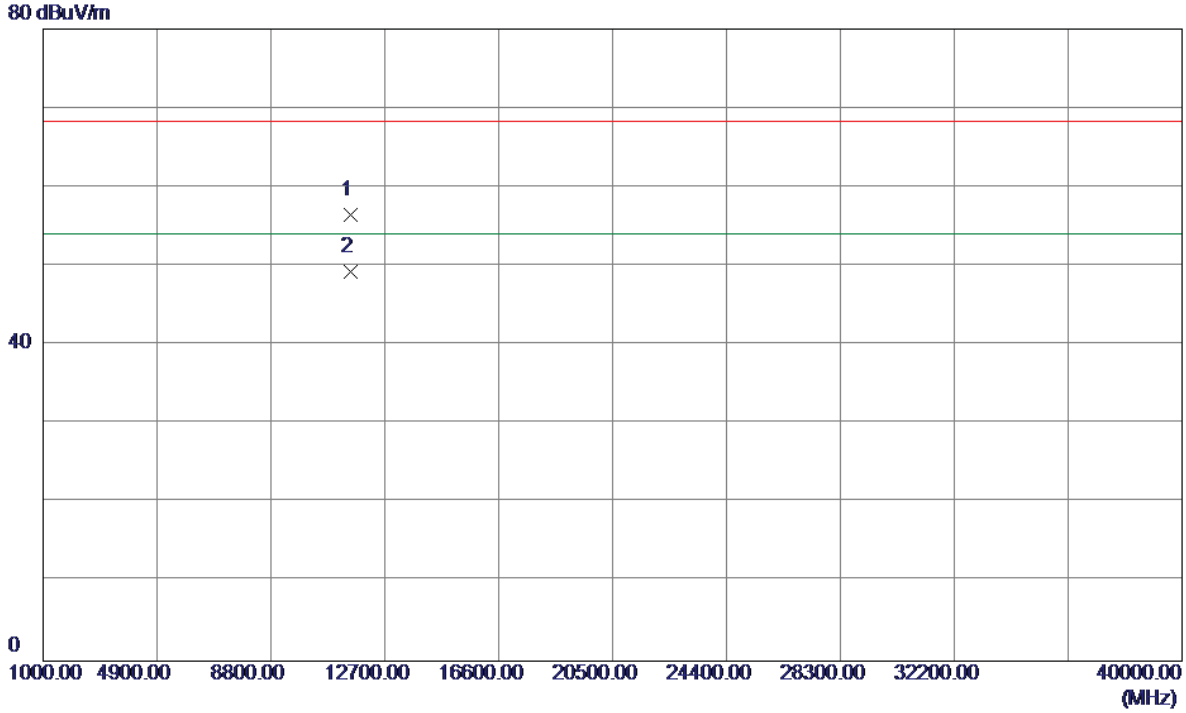
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5687.8000	17.33	42.98	60.31	68.30	-7.99	Peak	
2	5687.8000	6.11	42.98	49.09	68.30	-19.21	AVG	
3	5715.0000	15.50	43.04	58.54	68.30	-9.76	Peak	
4	5715.0000	3.36	43.04	46.40	68.30	-21.90	AVG	
5	5725.0000	18.50	43.06	61.56	78.30	-16.74	Peak	
6	5725.0000	7.52	43.06	50.58	68.30	-17.72	AVG	
7	5744.6000	61.85	43.10	104.95	78.30	26.65	Peak	NO Limit
8	5761.0000	49.65	43.14	92.79	68.30	24.49	AVG	NO Limit

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

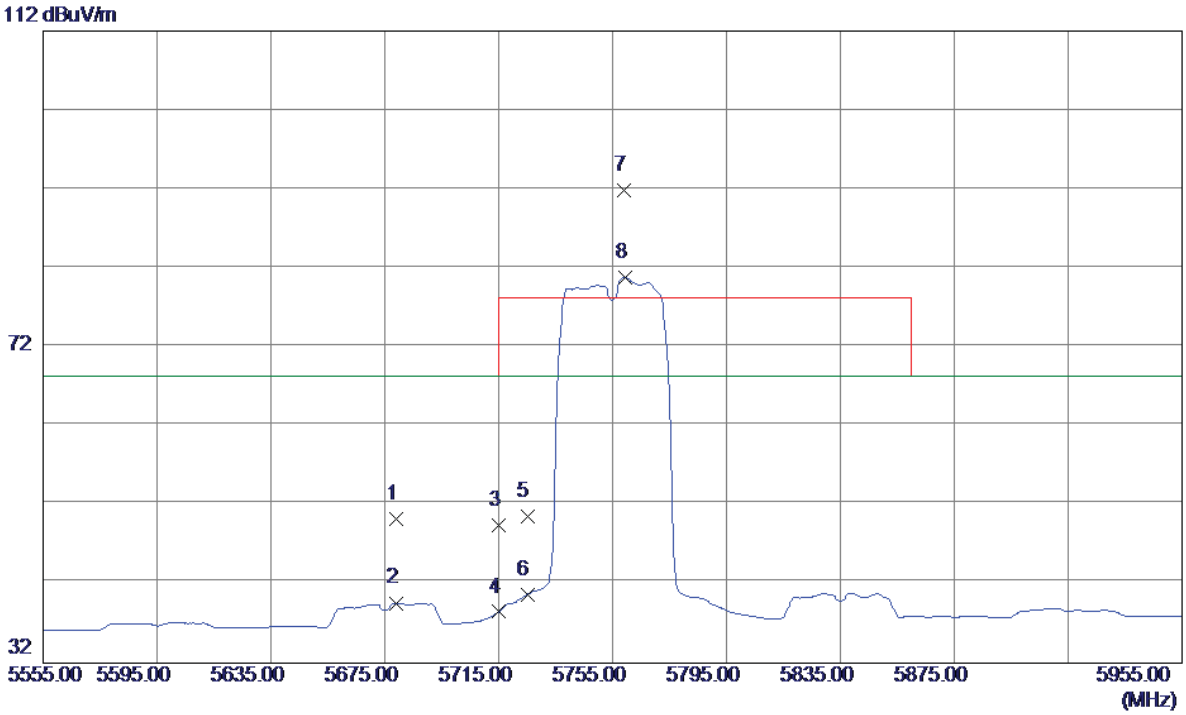
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.2000	39.49	16.95	56.44	68.30	-11.86	Peak	
2	11510.2300	32.38	16.95	49.33	54.00	-4.67	AVG	

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

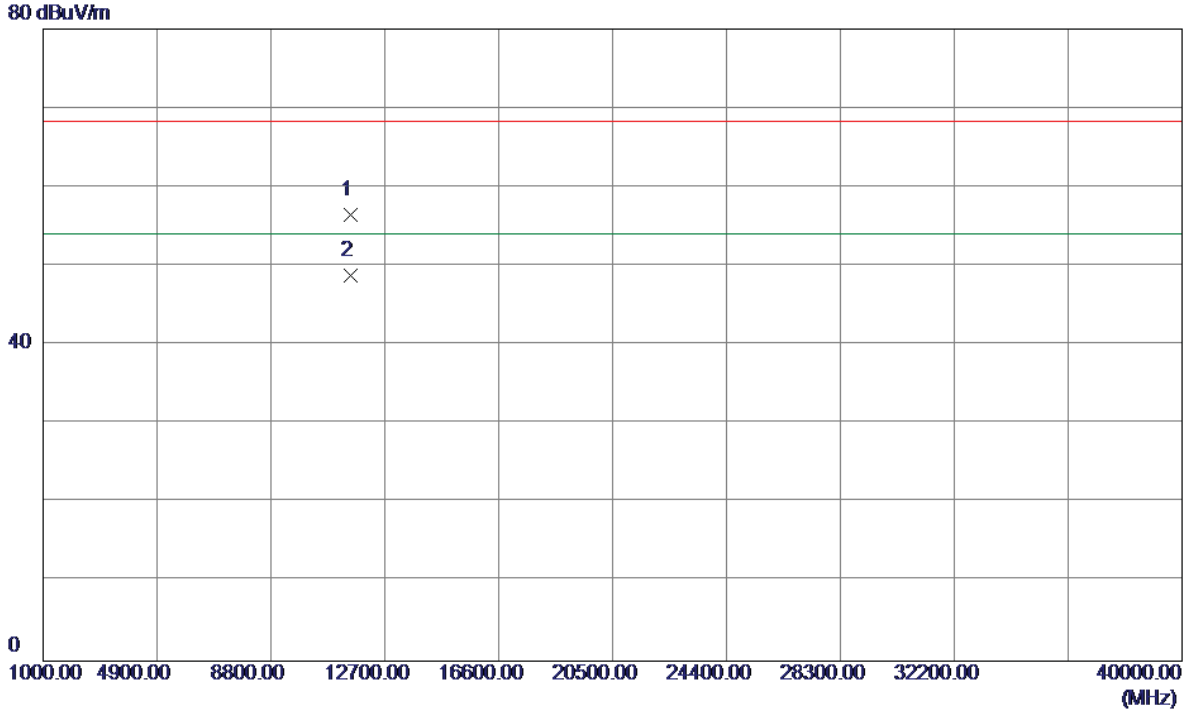
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5679.0000	7.26	42.96	50.22	68.30	-18.08	Peak	
2	5679.0000	-3.36	42.96	39.60	68.30	-28.70	AVG	
3	5715.0000	6.40	43.04	49.44	68.30	-18.86	Peak	
4	5715.0000	-4.56	43.04	38.48	68.30	-29.82	AVG	
5	5725.0000	7.45	43.06	50.51	78.30	-27.79	Peak	
6	5725.0000	-2.41	43.06	40.65	68.30	-27.65	AVG	
7	5759.0000	48.66	43.13	91.79	78.30	13.49	Peak	NO Limit
8	5759.4000	37.66	43.14	80.80	68.30	12.50	AVG	NO Limit

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

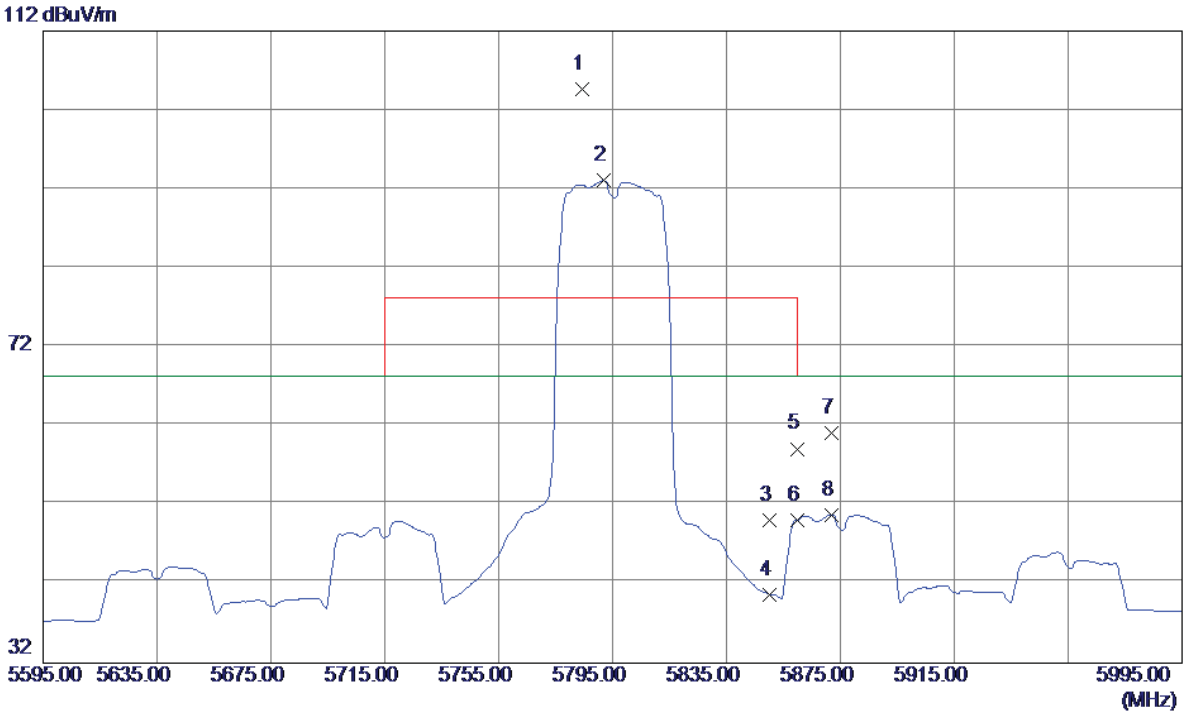
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.1500	39.53	16.95	56.48	68.30	-11.82	Peak	
2	11510.2200	31.85	16.95	48.80	54.00	-5.20	AVG	

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

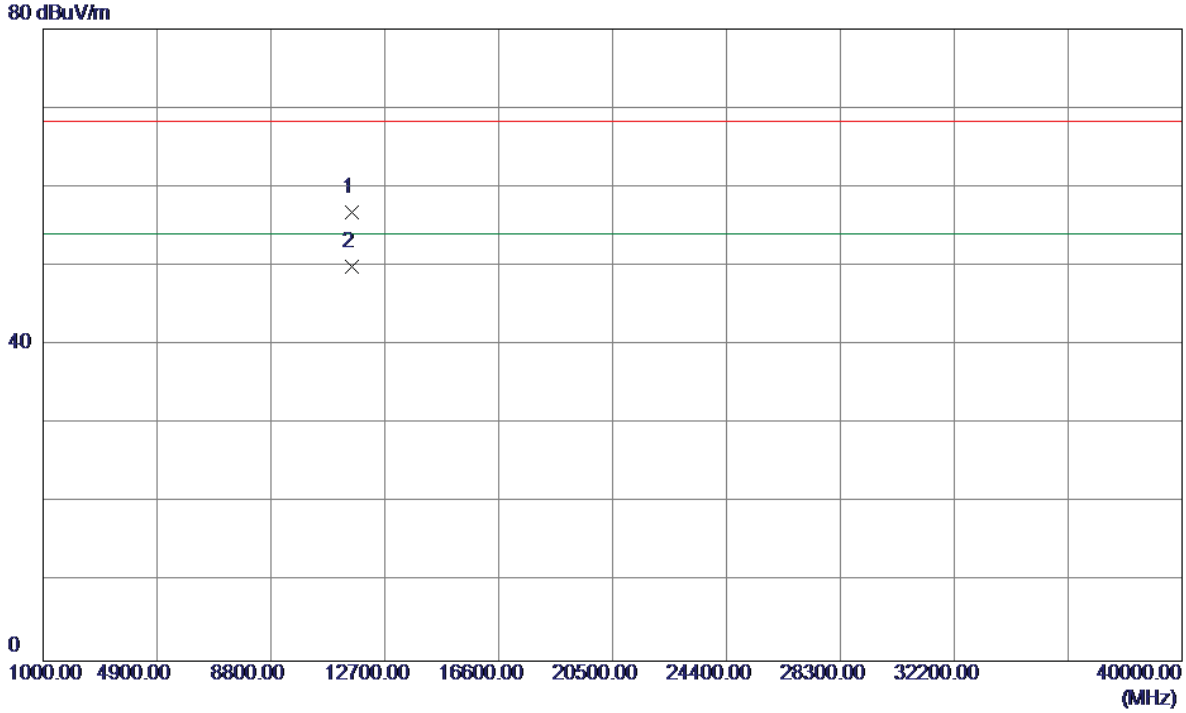
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5784.2000	61.38	43.19	104.57	78.30	26.27	Peak	NO Limit
2	5791.8000	49.84	43.21	93.05	68.30	24.75	AVG	NO Limit
3	5850.0000	6.72	43.34	50.06	78.30	-28.24	Peak	
4	5850.0000	-2.63	43.34	40.71	68.30	-27.59	AVG	
5	5860.0000	15.76	43.36	59.12	78.30	-19.18	Peak	
6	5860.0000	6.76	43.36	50.12	68.30	-18.18	AVG	
7	5871.8000	17.77	43.39	61.16	68.30	-7.14	Peak	
8	5871.8000	7.40	43.39	50.79	68.30	-17.51	AVG	

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

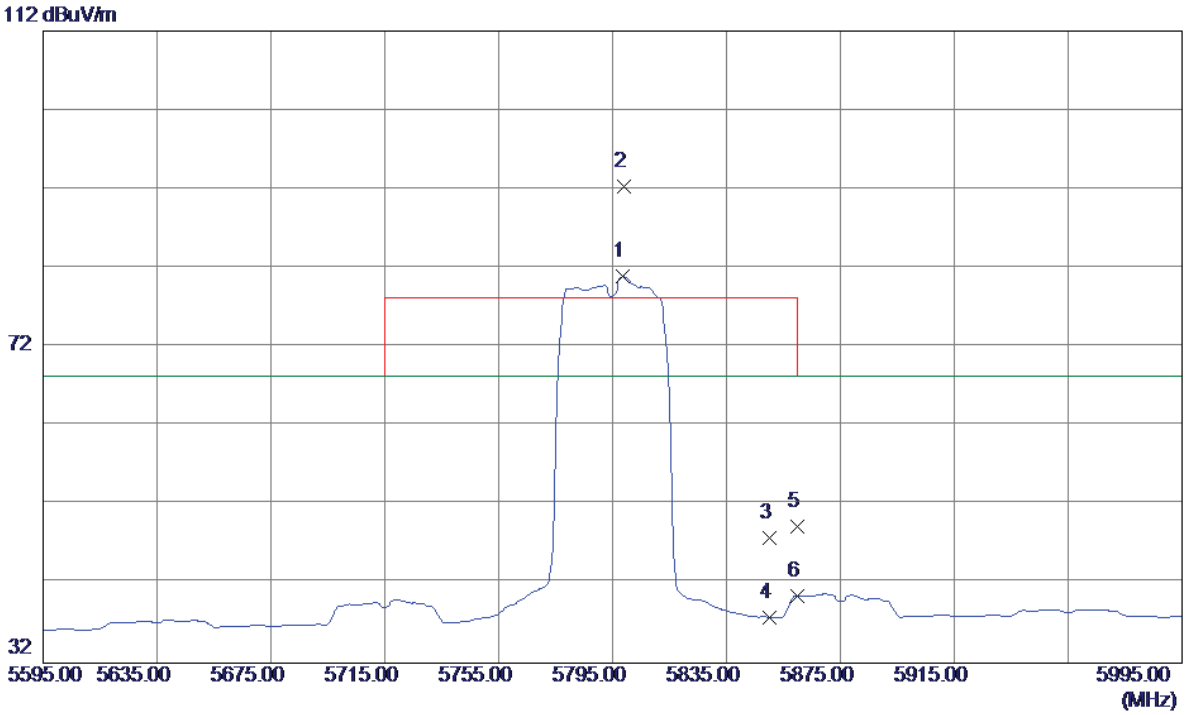
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.1000	39.76	17.08	56.84	68.30	-11.46	Peak	
2	11590.2100	32.86	17.08	49.94	54.00	-4.06	AVG	

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

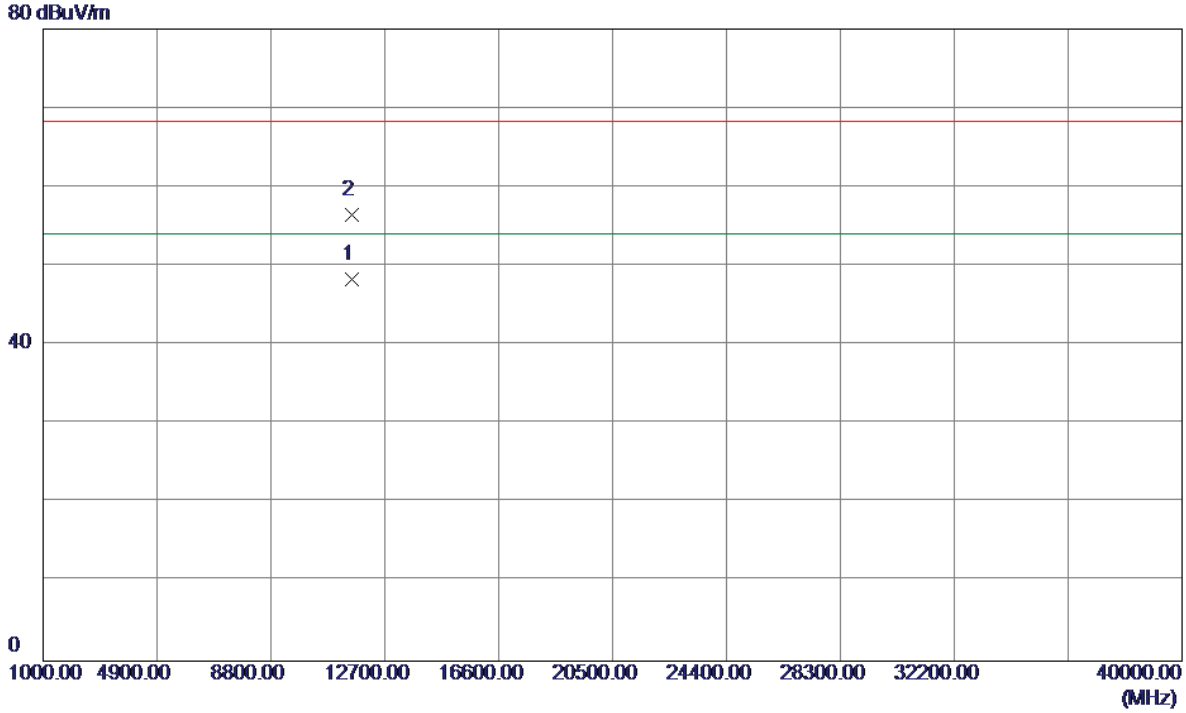
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5798.6000	37.67	43.22	80.89	68.30	12.59	AVG	NO Limit
2	5799.0000	49.09	43.22	92.31	78.30	14.01	Peak	NO Limit
3	5850.0000	4.46	43.34	47.80	78.30	-30.50	Peak	
4	5850.0000	-5.53	43.34	37.81	68.30	-30.49	AVG	
5	5860.0000	5.85	43.36	49.21	78.30	-29.09	Peak	
6	5860.0000	-2.93	43.36	40.43	68.30	-27.87	AVG	

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

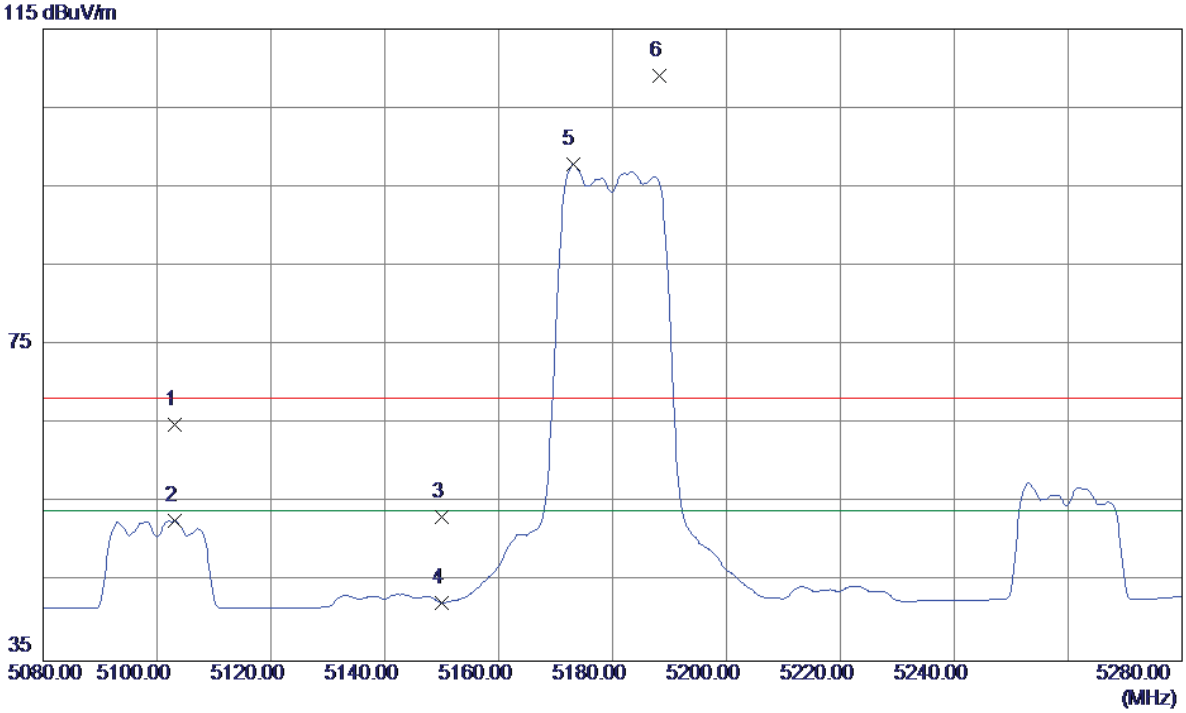
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.2100	31.23	17.08	48.31	54.00	-5.69	AVG	
2	11590.3800	39.41	17.08	56.49	68.30	-11.81	Peak	

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

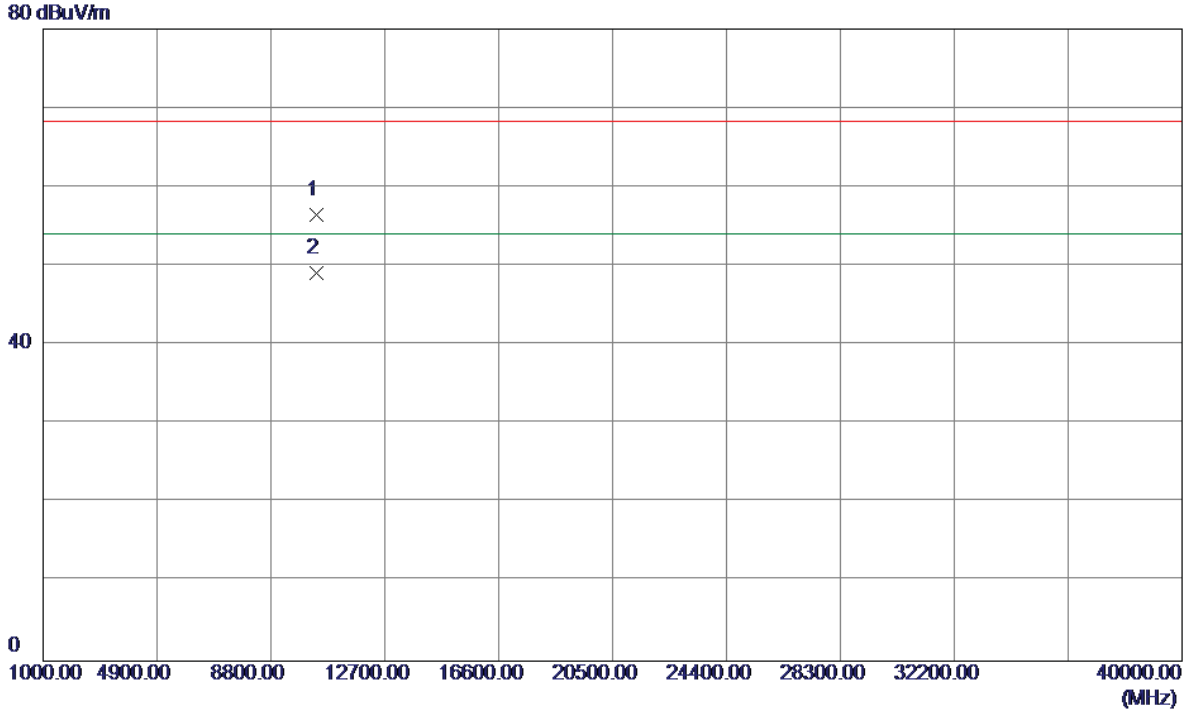
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5103.2000	23.61	41.25	64.86	68.30	-3.44	Peak	
2	5103.2000	11.49	41.25	52.74	54.00	-1.26	AVG	
3	5150.0000	11.80	41.40	53.20	68.30	-15.10	Peak	
4	5150.0000	0.97	41.40	42.37	54.00	-11.63	AVG	
5	5173.0000	56.43	41.48	97.91	54.00	43.91	AVG	NO Limit
6	5188.2000	67.53	41.53	109.06	68.30	40.76	Peak	NO Limit

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

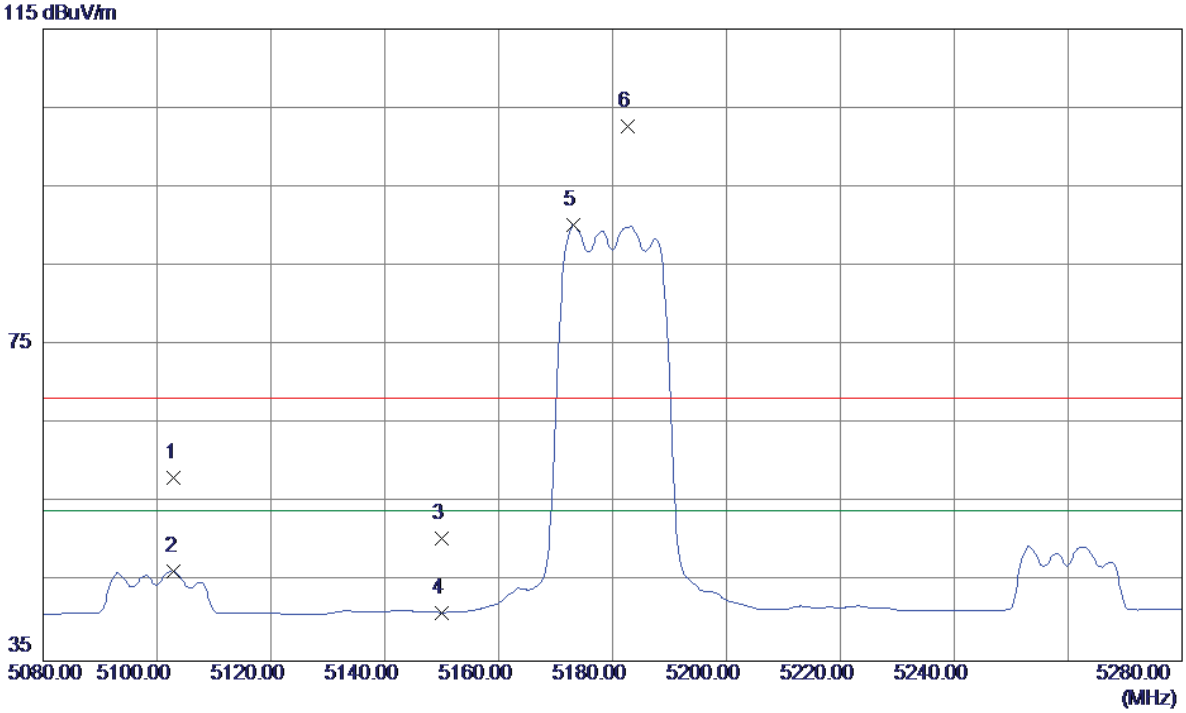
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.1000	39.92	16.54	56.46	68.30	-11.84	Peak	
2	10360.1900	32.54	16.54	49.08	54.00	-4.92	AVG	

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

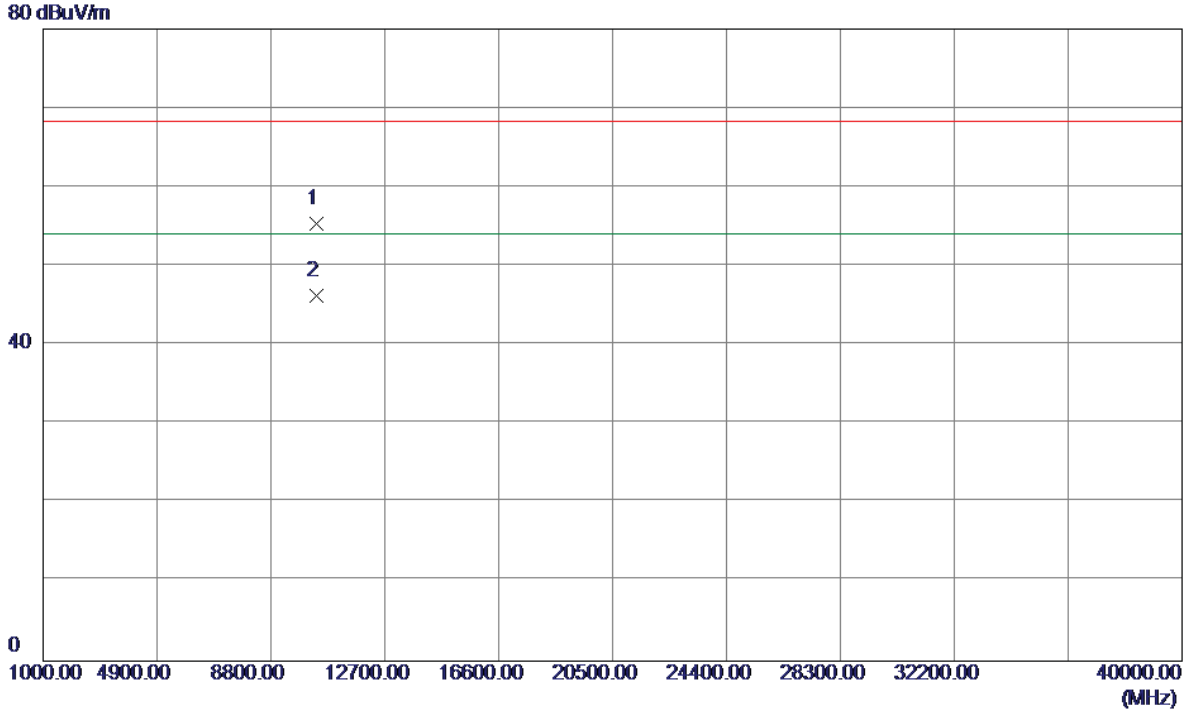
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5103.0000	16.88	41.25	58.13	68.30	-10.17	Peak	
2	5103.0000	5.06	41.25	46.31	54.00	-7.69	AVG	
3	5150.0000	9.12	41.40	50.52	68.30	-17.78	Peak	
4	5150.0000	-0.26	41.40	41.14	54.00	-12.86	AVG	
5	5173.2000	48.71	41.48	90.19	54.00	36.19	AVG	NO Limit
6	5182.6000	61.22	41.51	102.73	68.30	34.43	Peak	NO Limit

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

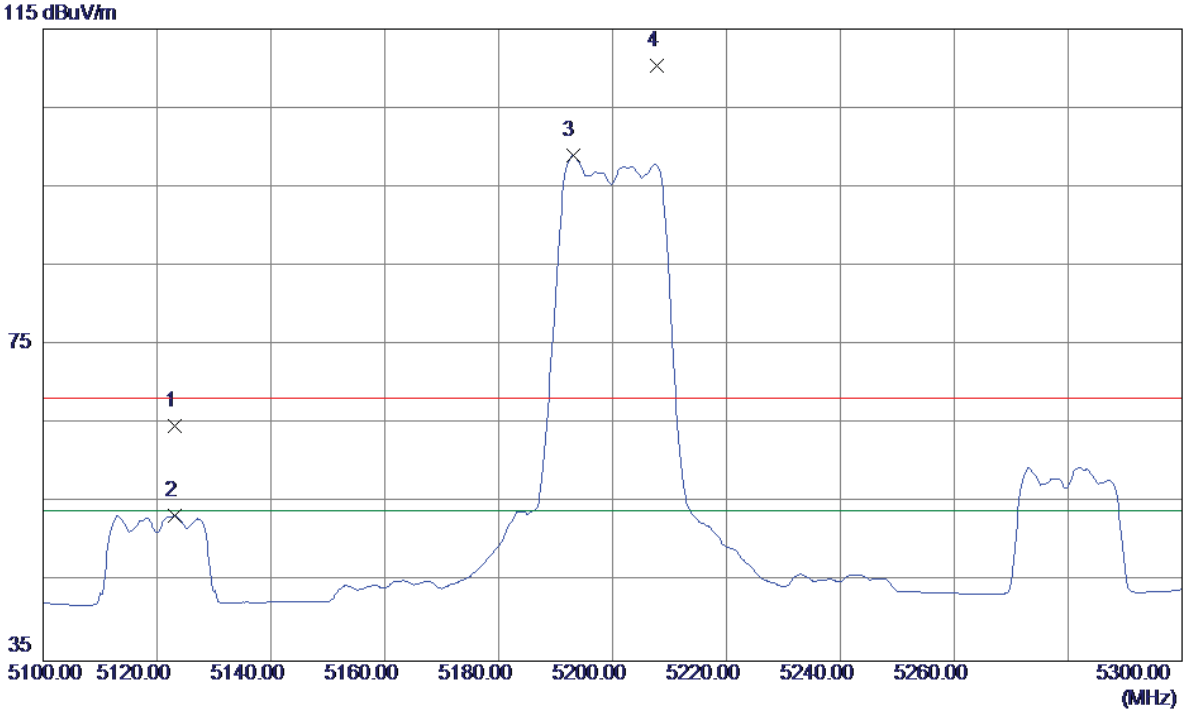
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.1600	38.75	16.54	55.29	68.30	-13.01	Peak	
2	10360.1800	29.64	16.54	46.18	54.00	-7.82	AVG	

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

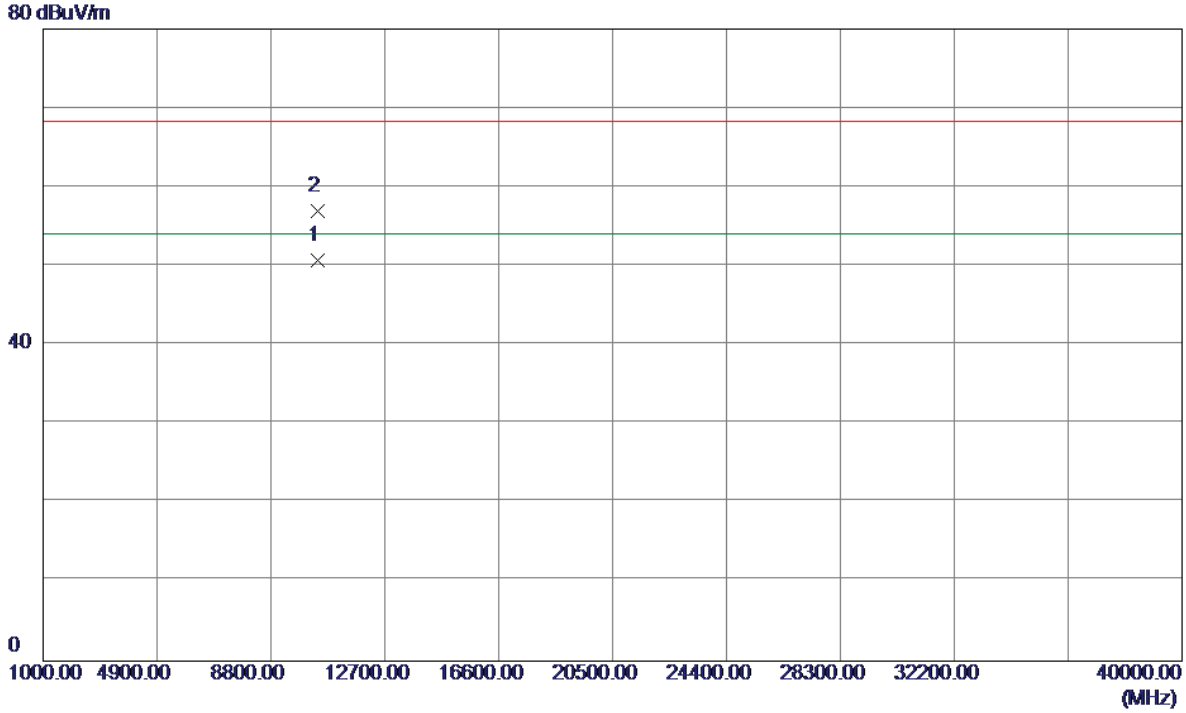
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5123.2000	23.47	41.32	64.79	68.30	-3.51	Peak	
2	5123.2000	12.11	41.32	53.43	54.00	-0.57	AVG	
3	5193.0000	57.51	41.55	99.06	54.00	45.06	AVG	NO Limit
4	5207.8000	68.69	41.60	110.29	68.30	41.99	Peak	NO Limit

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

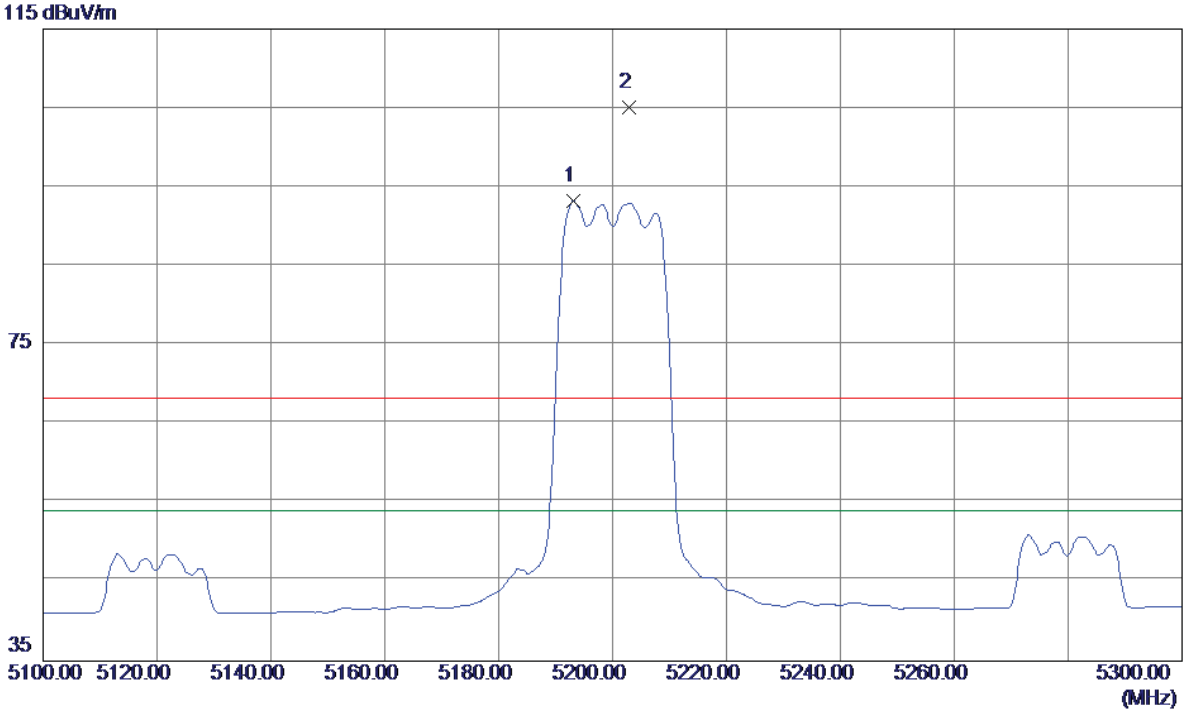
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.0500	34.23	16.56	50.79	54.00	-3.21	AVG	
2	10400.1200	40.47	16.56	57.03	68.30	-11.27	Peak	

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

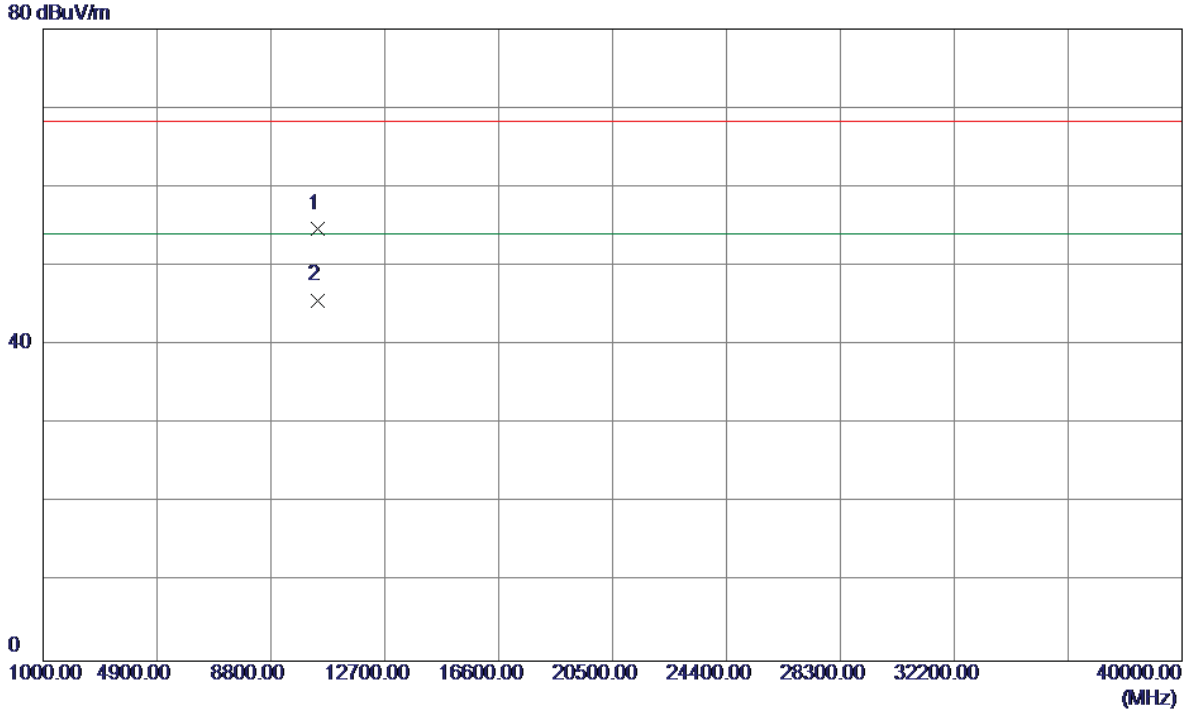
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5193.2000	51.73	41.55	93.28	54.00	39.28	AVG	NO Limit
2	5202.8000	63.48	41.58	105.06	68.30	36.76	Peak	NO Limit

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

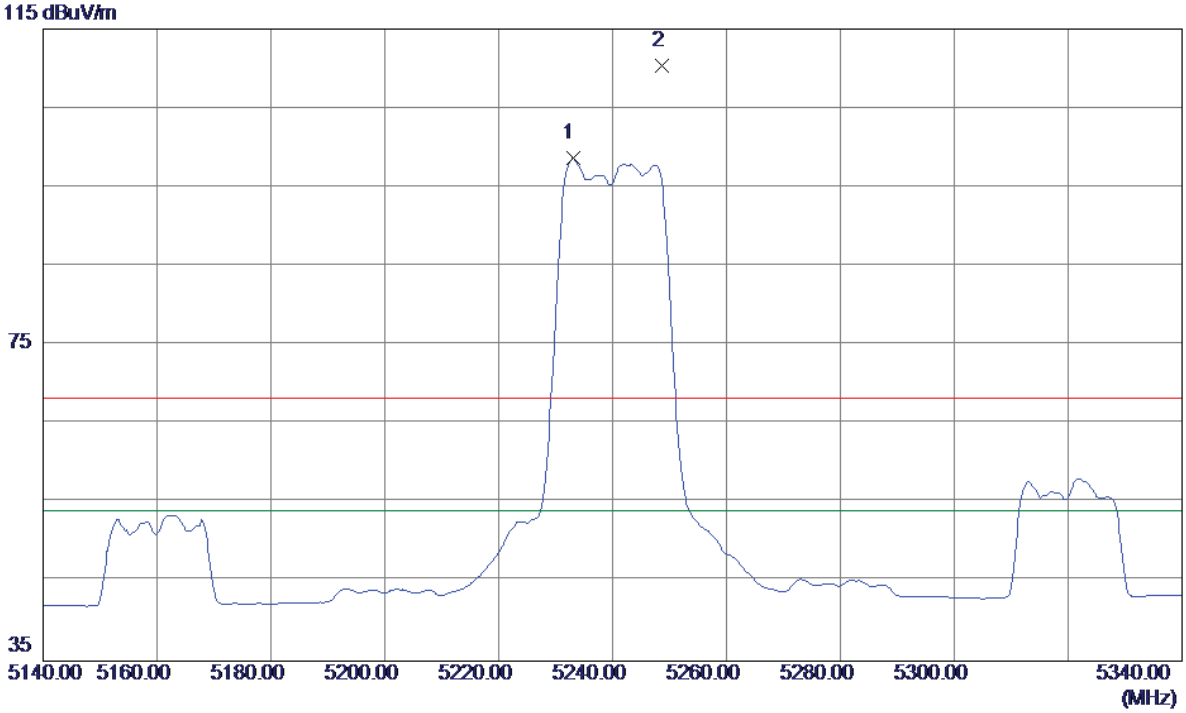
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.1500	38.16	16.56	54.72	68.30	-13.58	Peak	
2	10400.1900	29.12	16.56	45.68	54.00	-8.32	AVG	

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

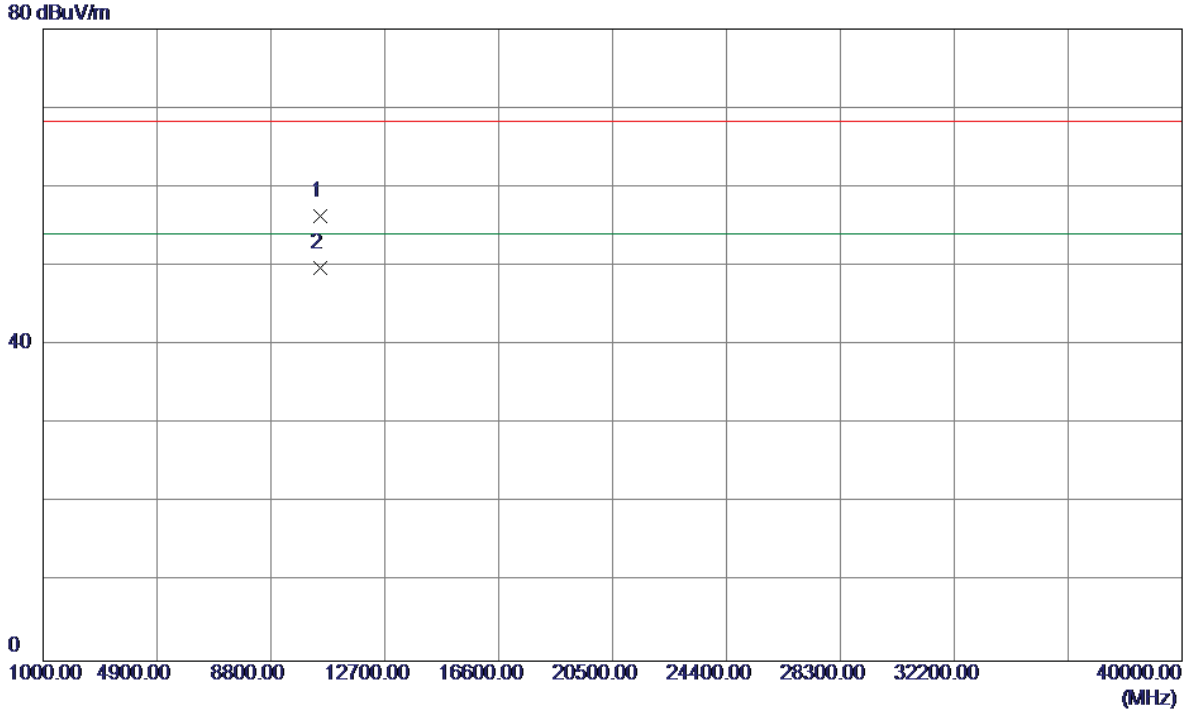
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5233.0000	56.97	41.68	98.65	54.00	44.65	AVG	NO Limit
2	5248.6000	68.56	41.73	110.29	68.30	41.99	Peak	NO Limit

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

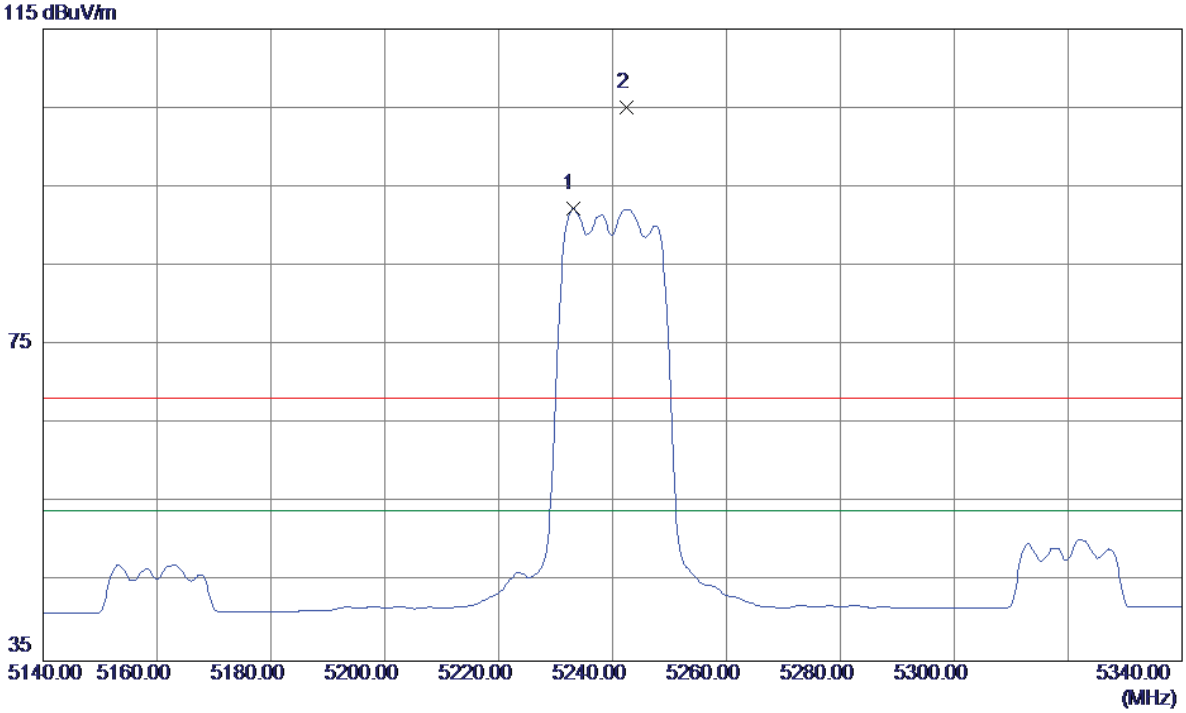
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.1900	39.75	16.60	56.35	68.30	-11.95	Peak	
2	10480.2800	33.16	16.60	49.76	54.00	-4.24	AVG	

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

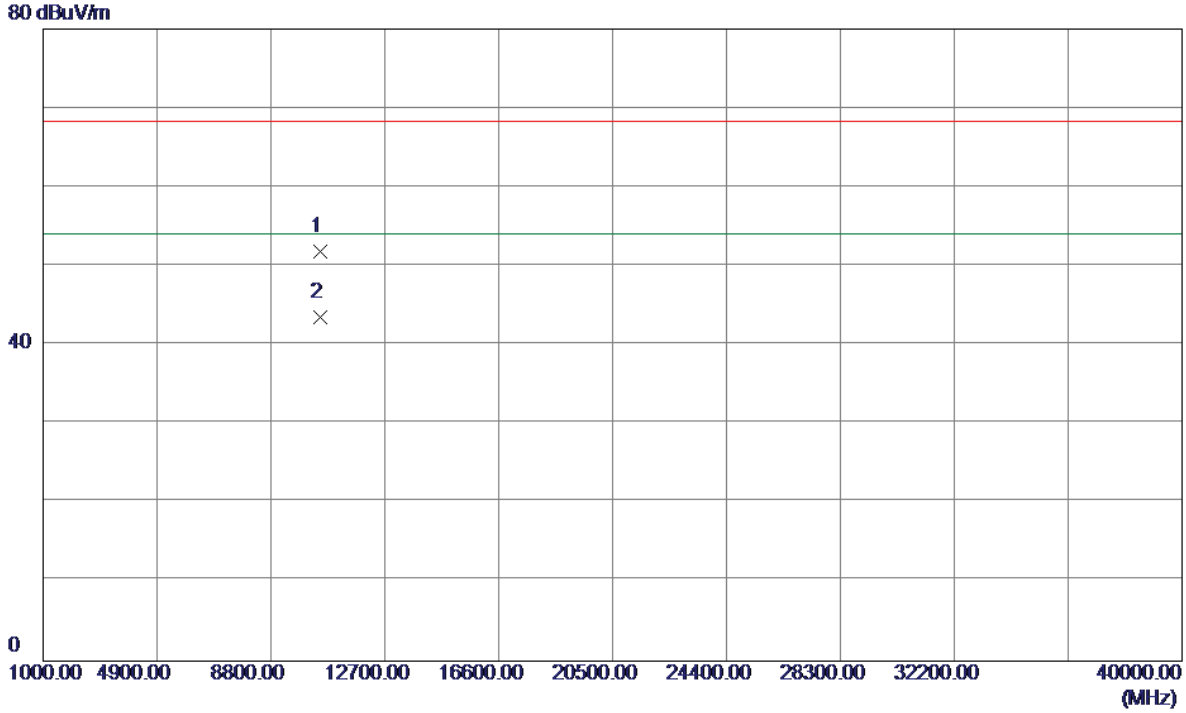
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5233.0000	50.67	41.68	92.35	54.00	38.35	AVG	NO Limit
2	5242.4000	63.31	41.71	105.02	68.30	36.72	Peak	NO Limit

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

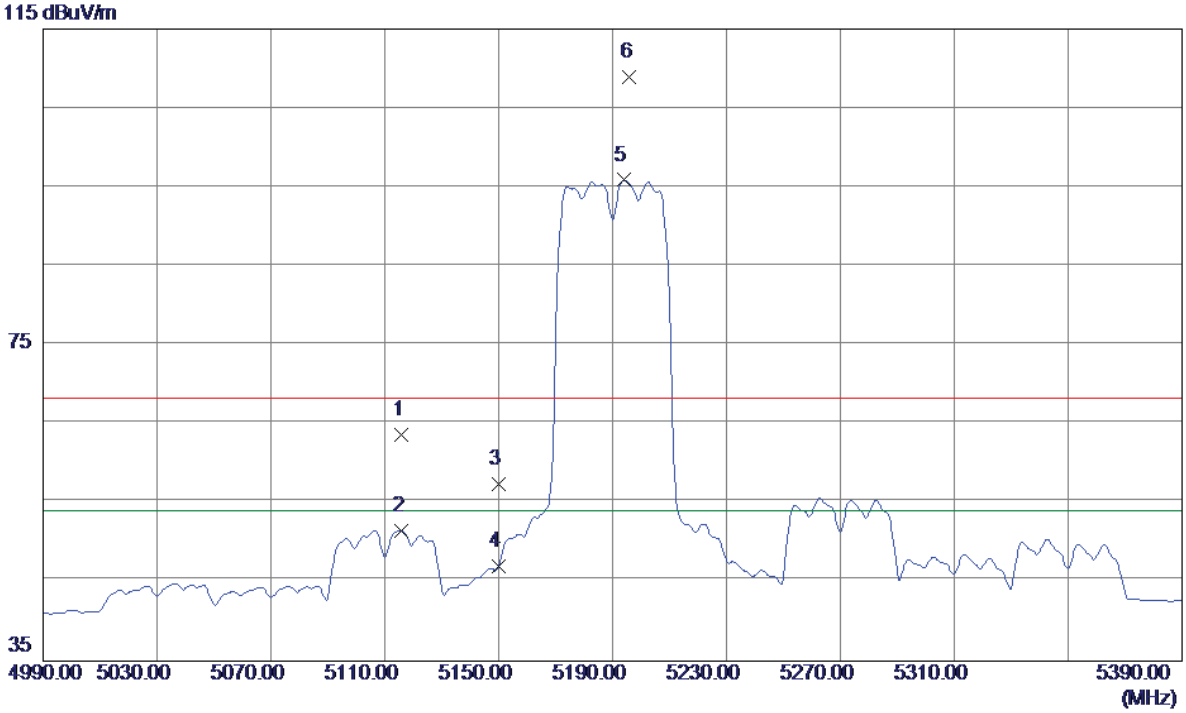
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10480.1800	35.22	16.60	51.82	68.30	-16.48	Peak	
2	10480.2699	26.96	16.60	43.56	54.00	-10.44	AVG	

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

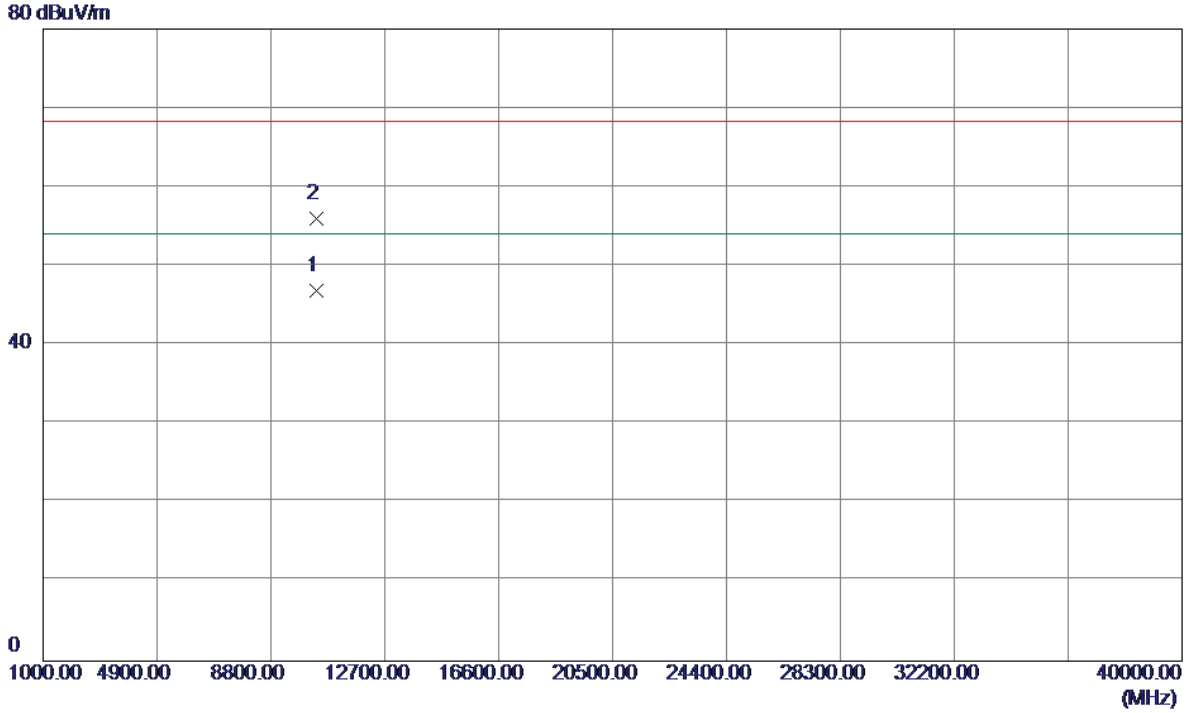
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5116.0000	22.35	41.29	63.64	68.30	-4.66	Peak	
2	5116.0000	10.21	41.29	51.50	54.00	-2.50	AVG	
3	5150.0000	16.00	41.40	57.40	68.30	-10.90	Peak	
4	5150.0000	5.58	41.40	46.98	54.00	-7.02	AVG	
5	5194.0000	54.33	41.55	95.88	54.00	41.88	AVG	NO Limit
6	5196.0000	67.34	41.56	108.90	68.30	40.60	Peak	NO Limit

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

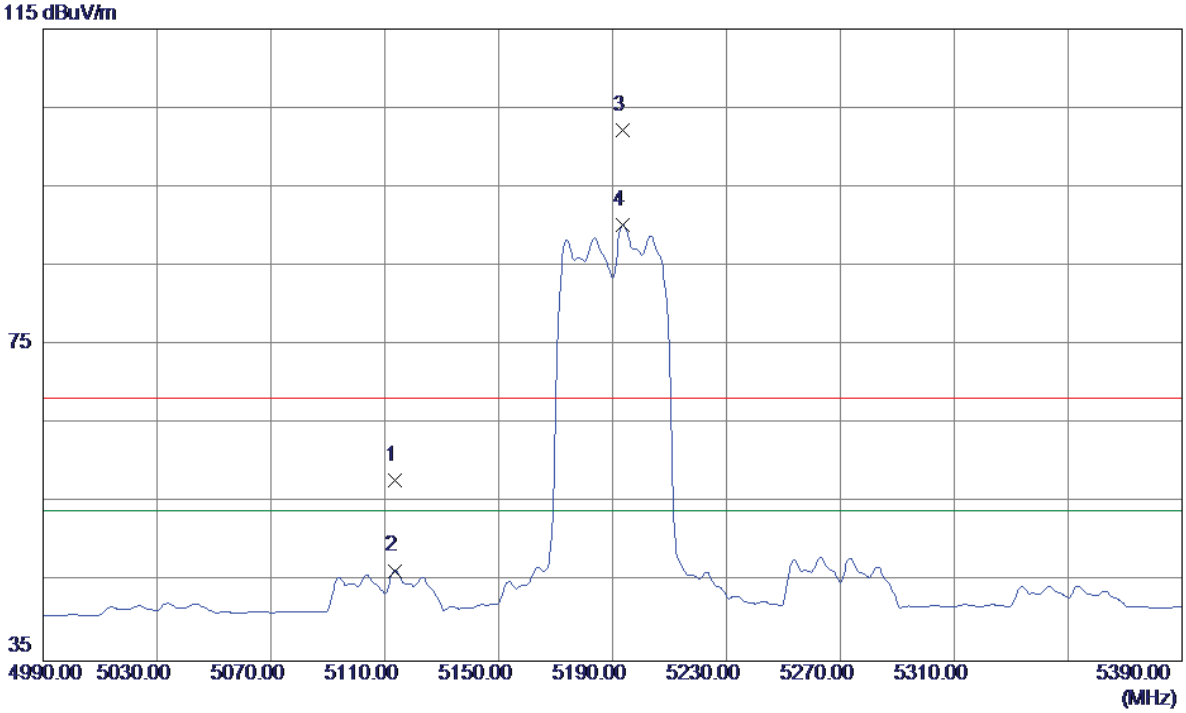
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.1900	30.32	16.55	46.87	54.00	-7.13	AVG	
2	10380.2000	39.48	16.55	56.03	68.30	-12.27	Peak	

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

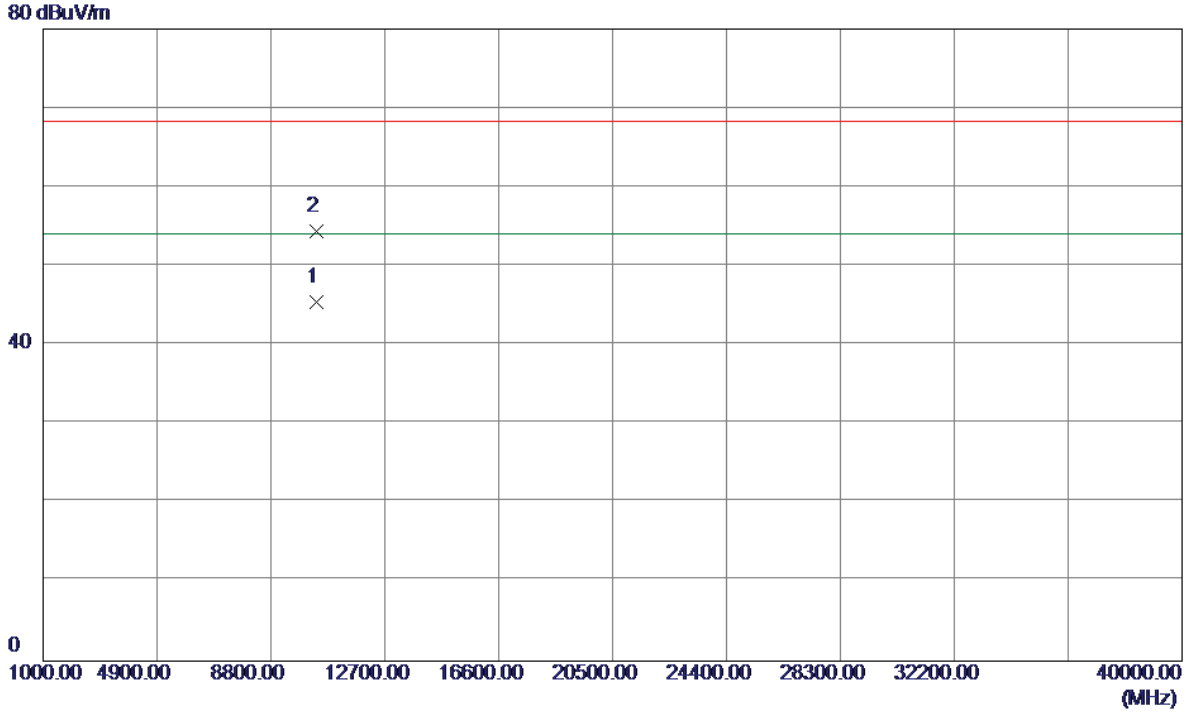
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5113.6000	16.55	41.28	57.83	68.30	-10.47	Peak	
2	5113.6000	5.16	41.28	46.44	54.00	-7.56	AVG	
3	5193.6000	60.68	41.55	102.23	68.30	33.93	Peak	NO Limit
4	5193.6000	48.62	41.55	90.17	54.00	36.17	AVG	NO Limit

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

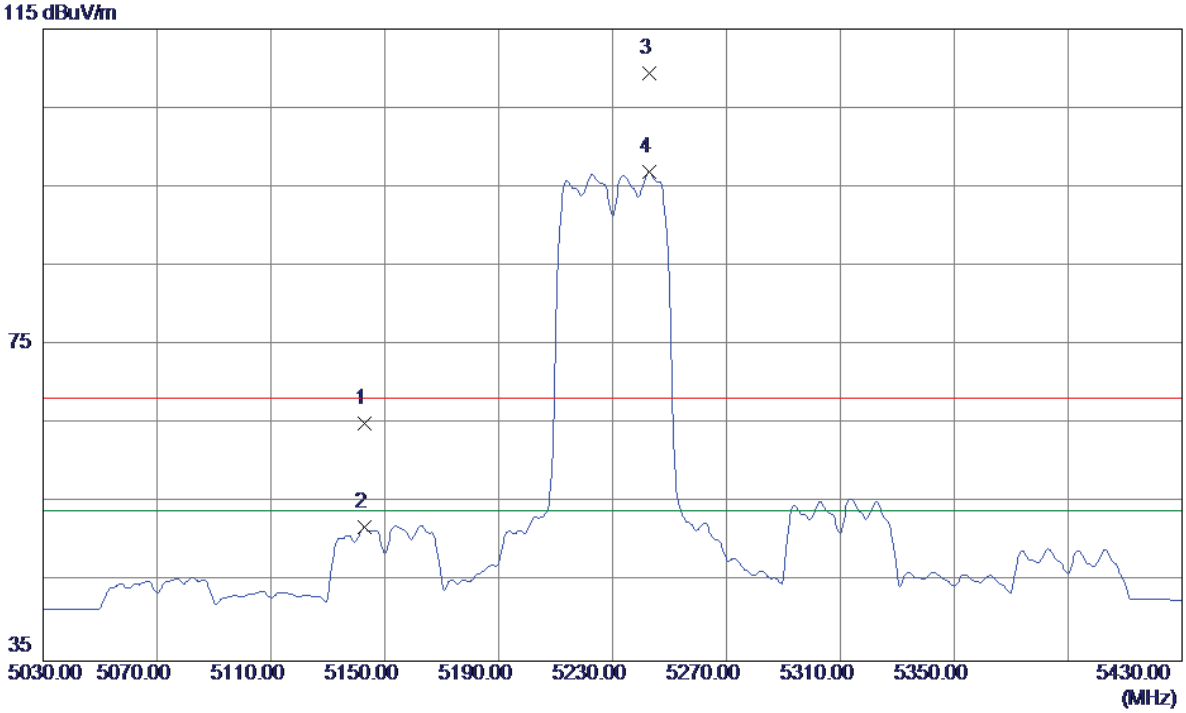
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.1200	28.92	16.55	45.47	54.00	-8.53	AVG	
2	10380.1900	37.85	16.55	54.40	68.30	-13.90	Peak	

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

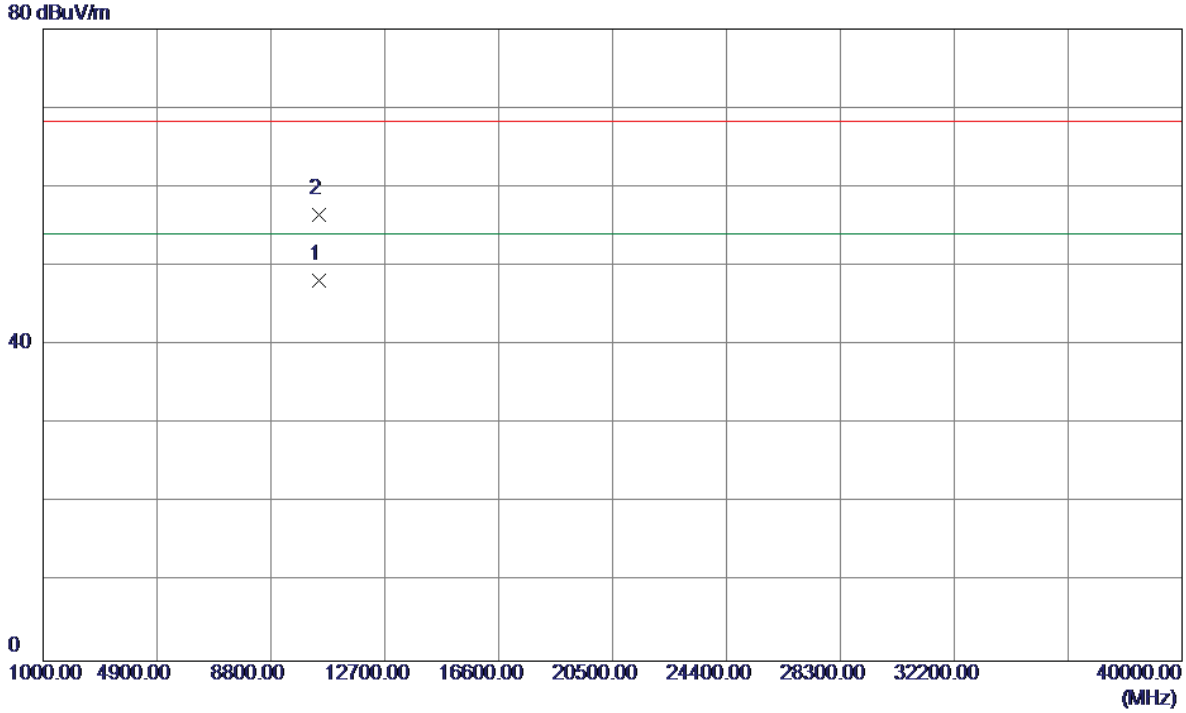
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5142.8000	23.67	41.38	65.05	68.30	-3.25	Peak	
2	5142.8000	10.53	41.38	51.91	54.00	-2.09	AVG	
3	5242.8000	67.68	41.71	109.39	68.30	41.09	Peak	NO Limit
4	5242.8000	55.18	41.71	96.89	54.00	42.89	AVG	NO Limit

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

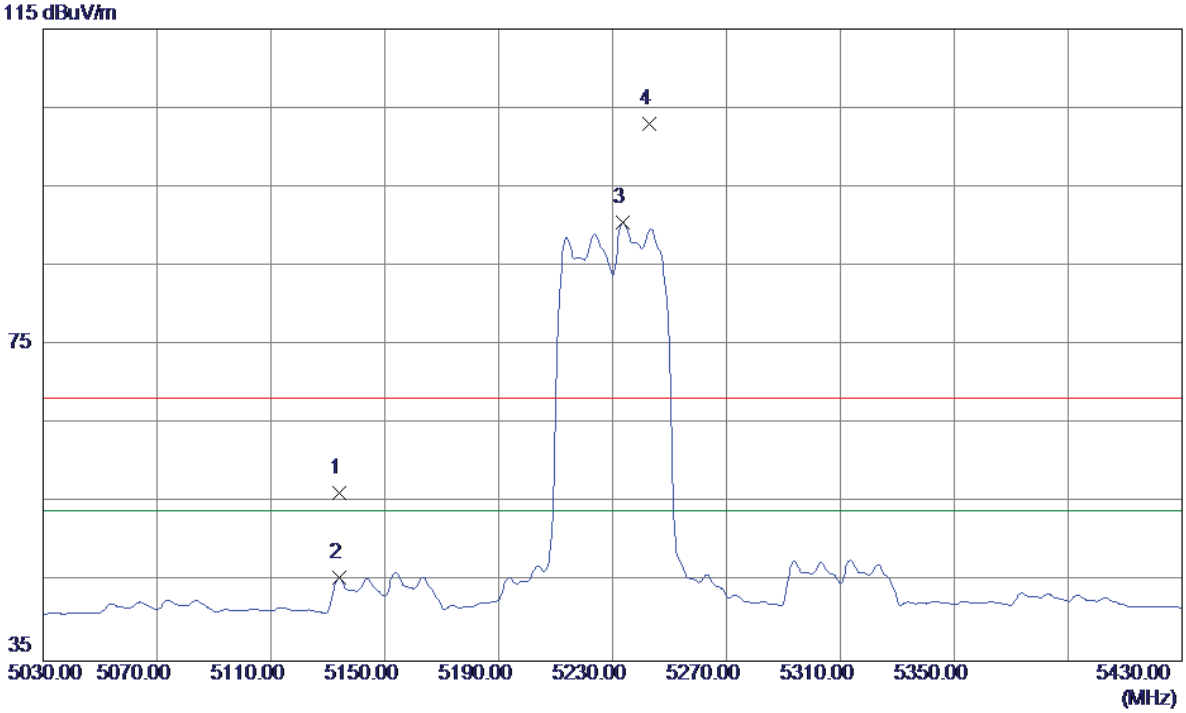
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.1000	31.65	16.59	48.24	54.00	-5.76	AVG	
2	10460.1500	39.97	16.59	56.56	68.30	-11.74	Peak	

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

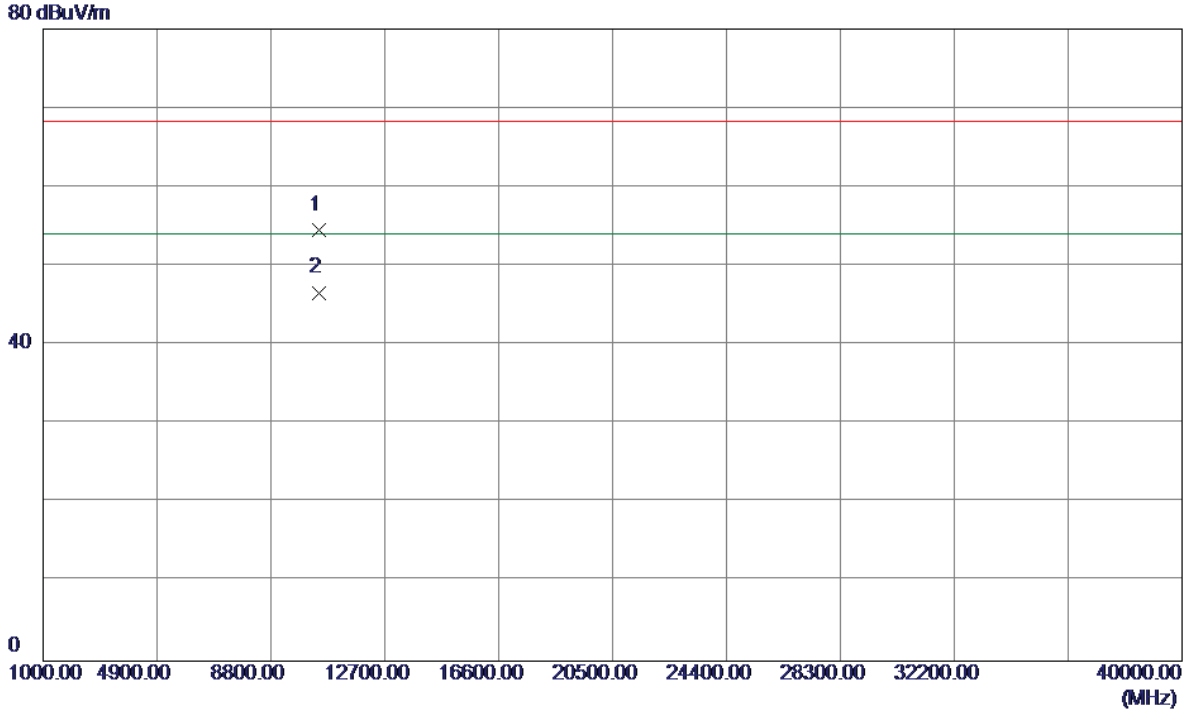
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5134.0000	14.95	41.35	56.30	68.30	-12.00	Peak	
2	5134.0000	4.15	41.35	45.50	54.00	-8.50	AVG	
3	5233.6000	48.79	41.68	90.47	54.00	36.47	AVG	NO Limit
4	5242.8000	61.30	41.71	103.01	68.30	34.71	Peak	NO Limit

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

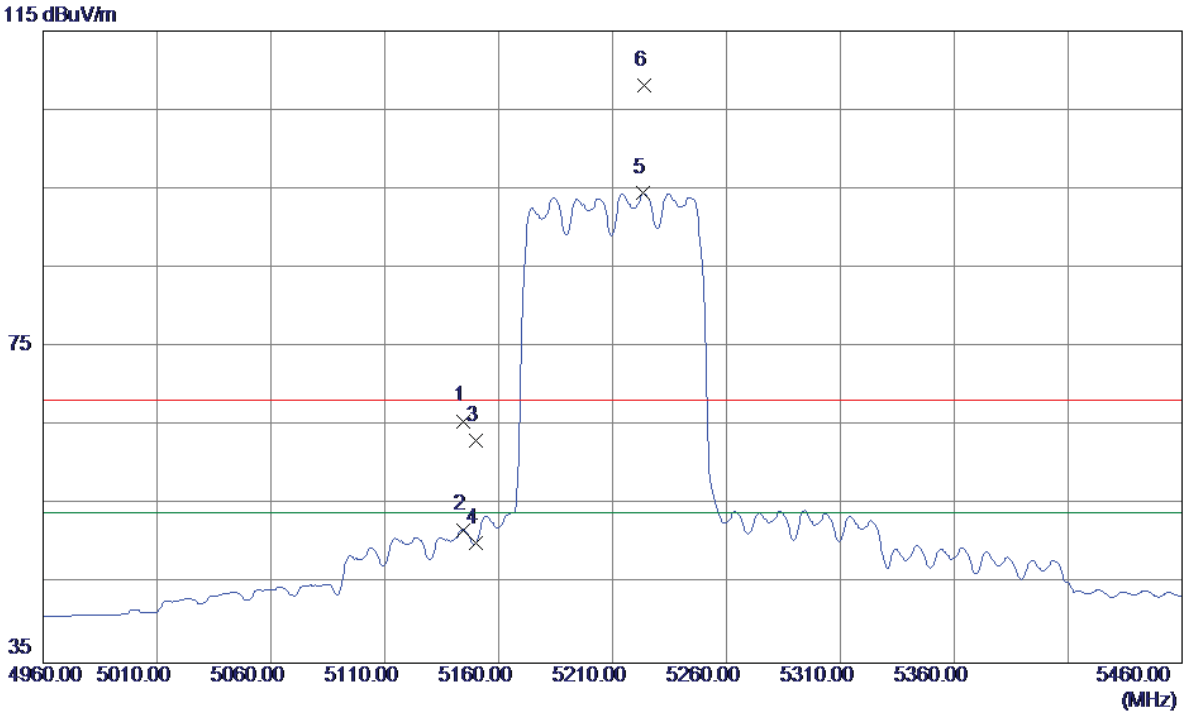
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.0900	37.92	16.59	54.51	68.30	-13.79	Peak	
2	10460.2100	30.05	16.59	46.64	54.00	-7.36	AVG	

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

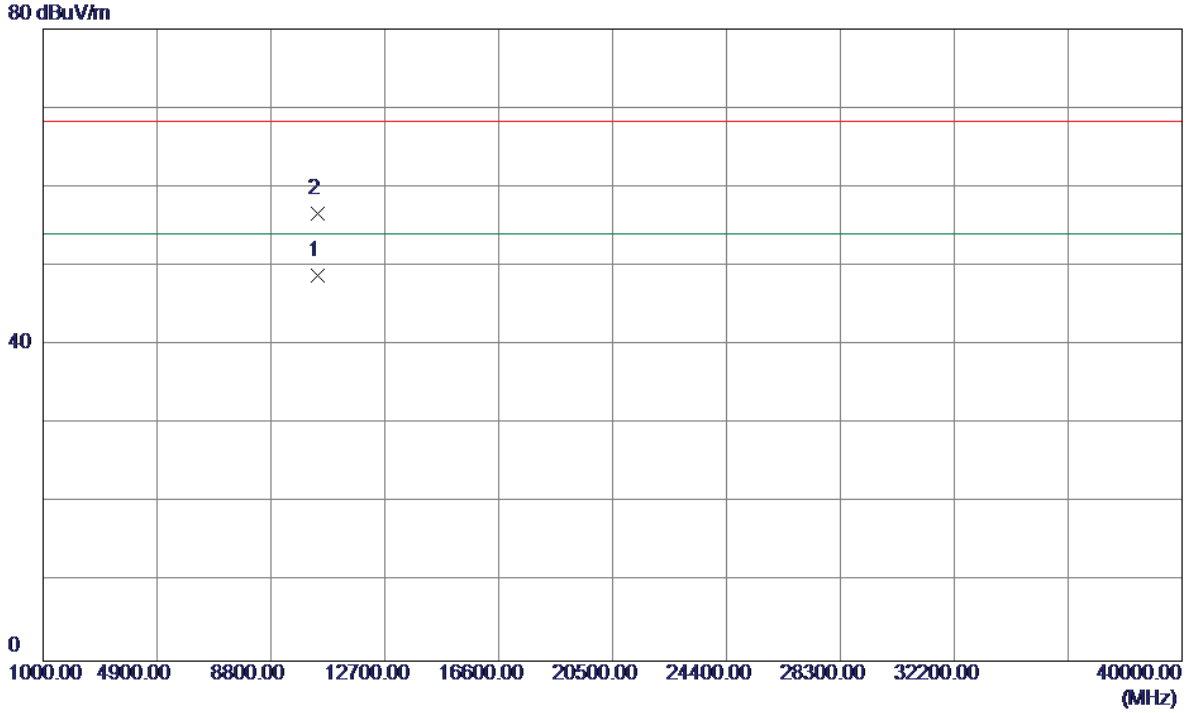
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5144.5000	24.25	41.39	65.64	68.30	-2.66	Peak	
2	5144.5000	10.49	41.39	51.88	54.00	-2.12	AVG	
3	5150.0000	21.76	41.40	63.16	68.30	-5.14	Peak	
4	5150.0000	8.83	41.40	50.23	54.00	-3.77	AVG	
5	5223.5000	52.82	41.65	94.47	54.00	40.47	AVG	NO Limit
6	5224.0000	66.54	41.65	108.19	68.30	39.89	Peak	NO Limit

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

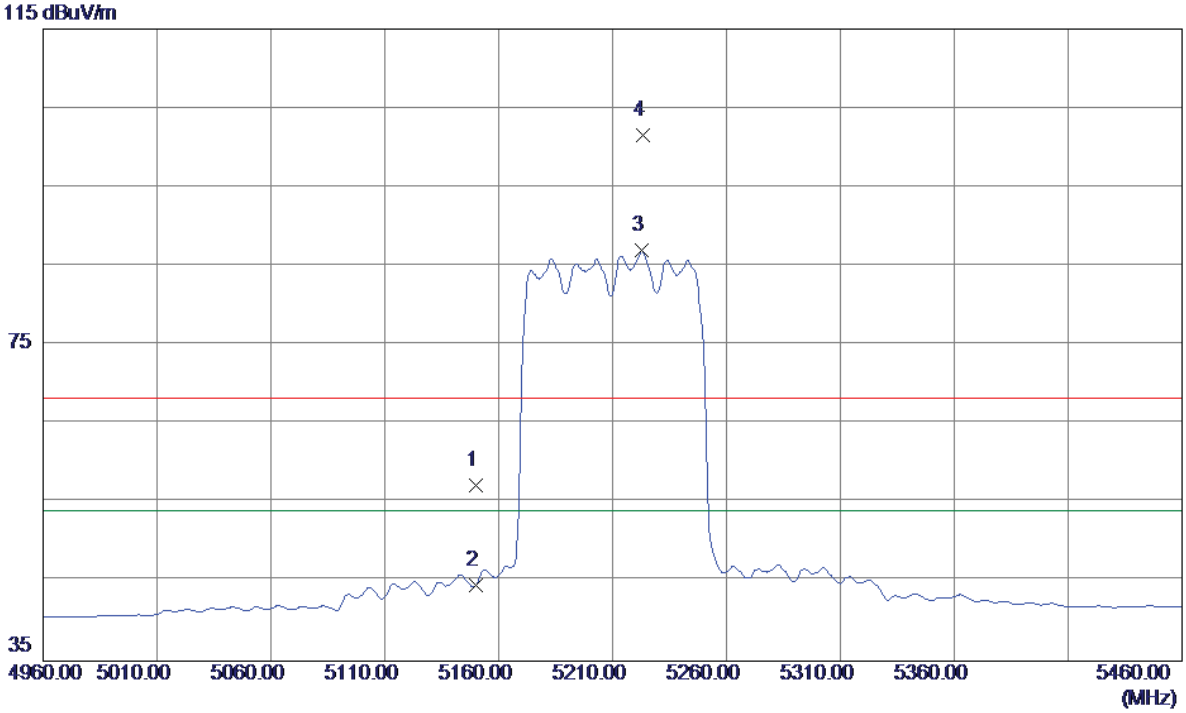
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10420.1200	32.17	16.57	48.74	54.00	-5.26	AVG	
2	10420.1900	40.11	16.57	56.68	68.30	-11.62	Peak	

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

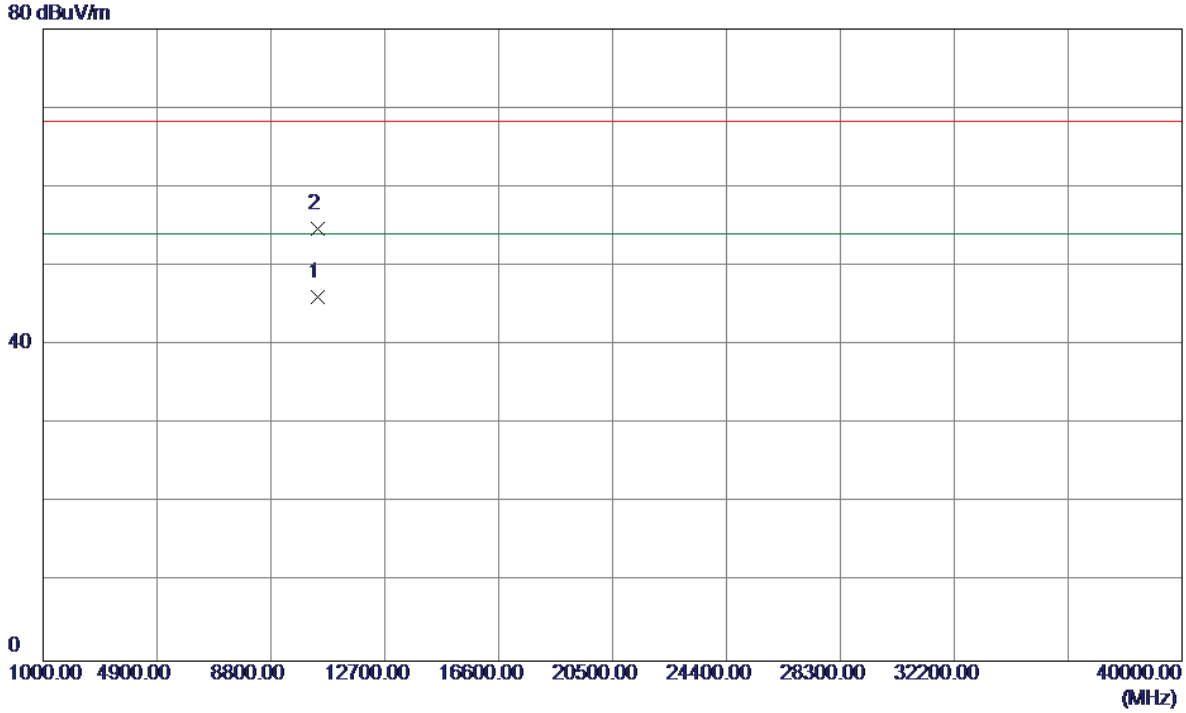
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	15.88	41.40	57.28	68.30	-11.02	Peak	
2	5150.0000	3.22	41.40	44.62	54.00	-9.38	AVG	
3	5223.0000	45.31	41.65	86.96	54.00	32.96	AVG	NO Limit
4	5223.5000	59.97	41.65	101.62	68.30	33.32	Peak	NO Limit

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

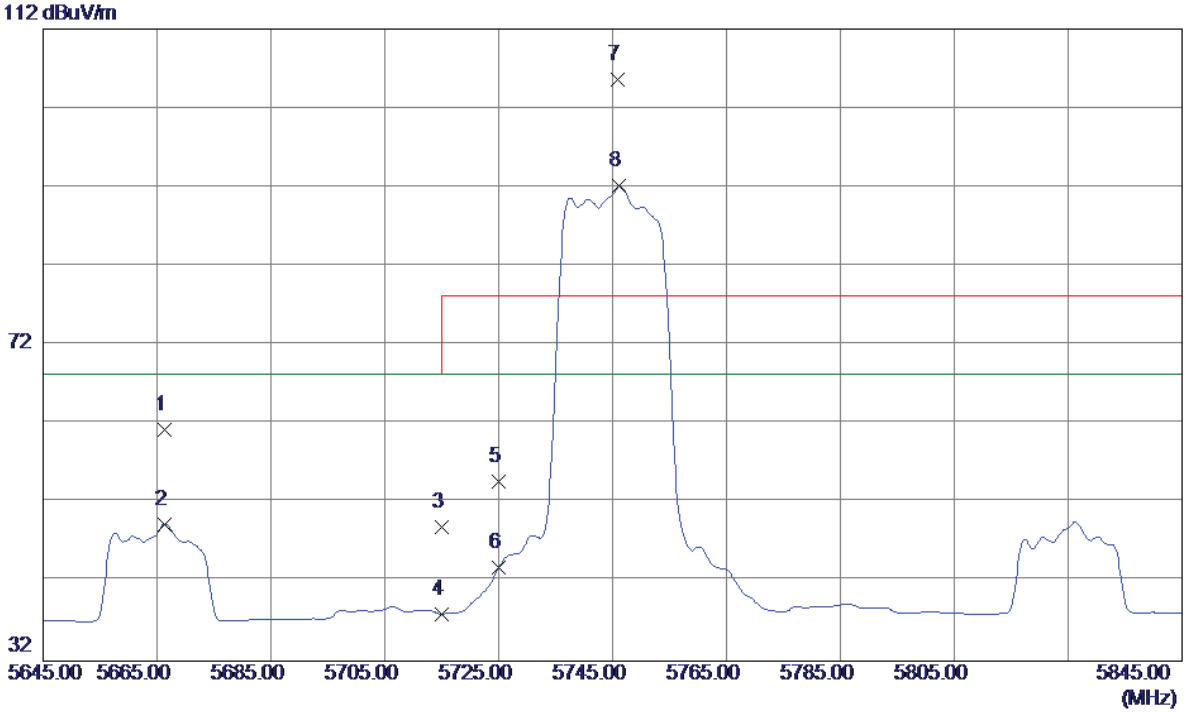
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10420.0500	29.44	16.57	46.01	54.00	-7.99	AVG	
2	10420.1900	38.11	16.57	54.68	68.30	-13.62	Peak	

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

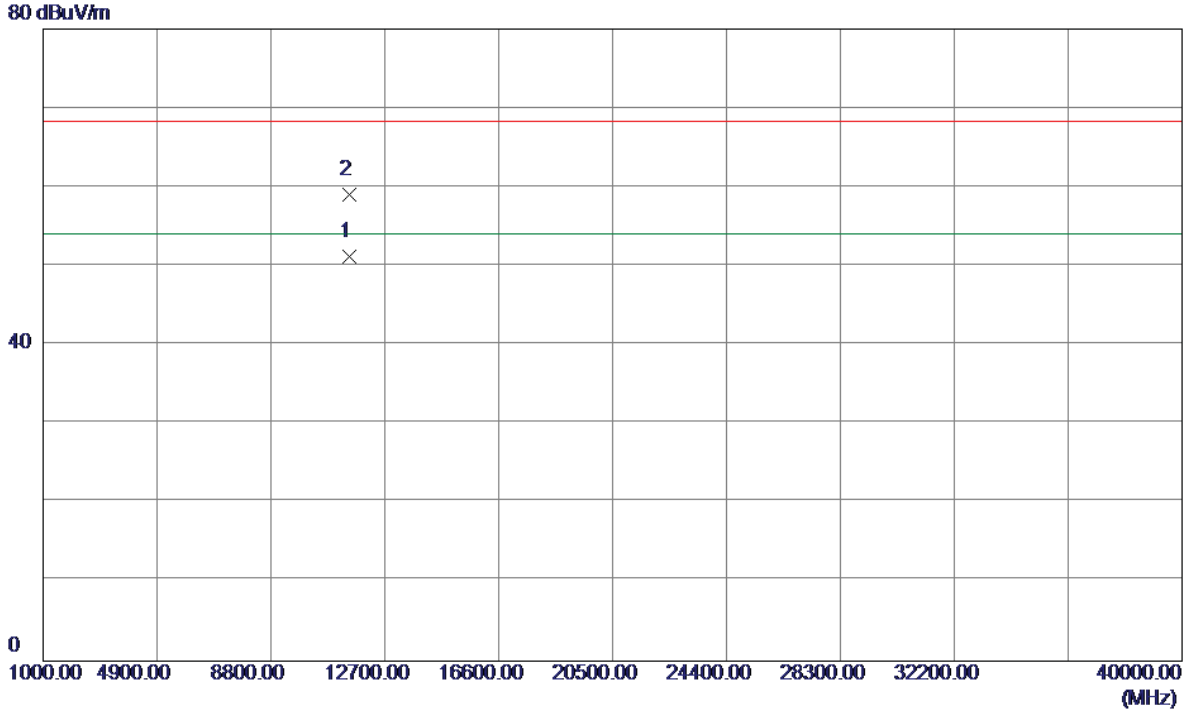
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5666.4000	18.32	42.93	61.25	68.30	-7.05	Peak	
2	5666.4000	6.41	42.93	49.34	68.30	-18.96	AVG	
3	5715.0000	5.88	43.04	48.92	68.30	-19.38	Peak	
4	5715.0000	-5.09	43.04	37.95	68.30	-30.35	AVG	
5	5725.0000	11.61	43.06	54.67	78.30	-23.63	Peak	
6	5725.0000	0.83	43.06	43.89	68.30	-24.41	AVG	
7	5745.8000	62.43	43.11	105.54	78.30	27.24	Peak	NO Limit
8	5746.2000	48.99	43.11	92.10	68.30	23.80	AVG	NO Limit

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

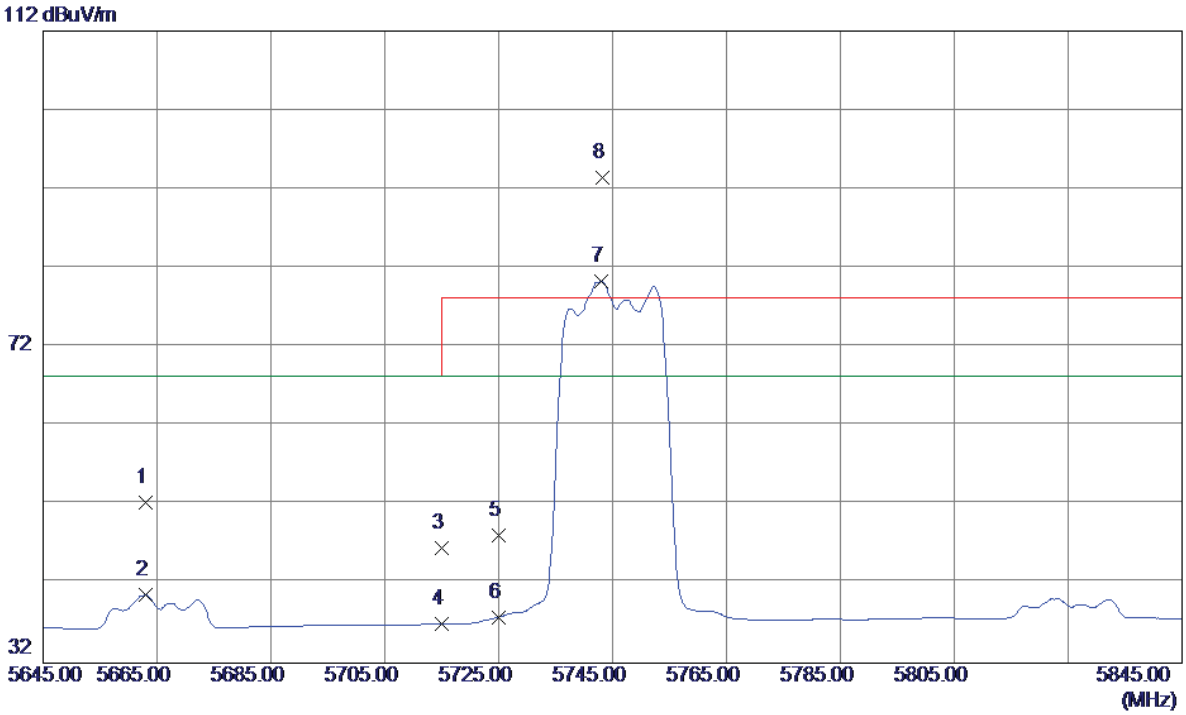
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.1300	34.26	16.91	51.17	54.00	-2.83	AVG	
2	11490.1700	42.16	16.91	59.07	68.30	-9.23	Peak	

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

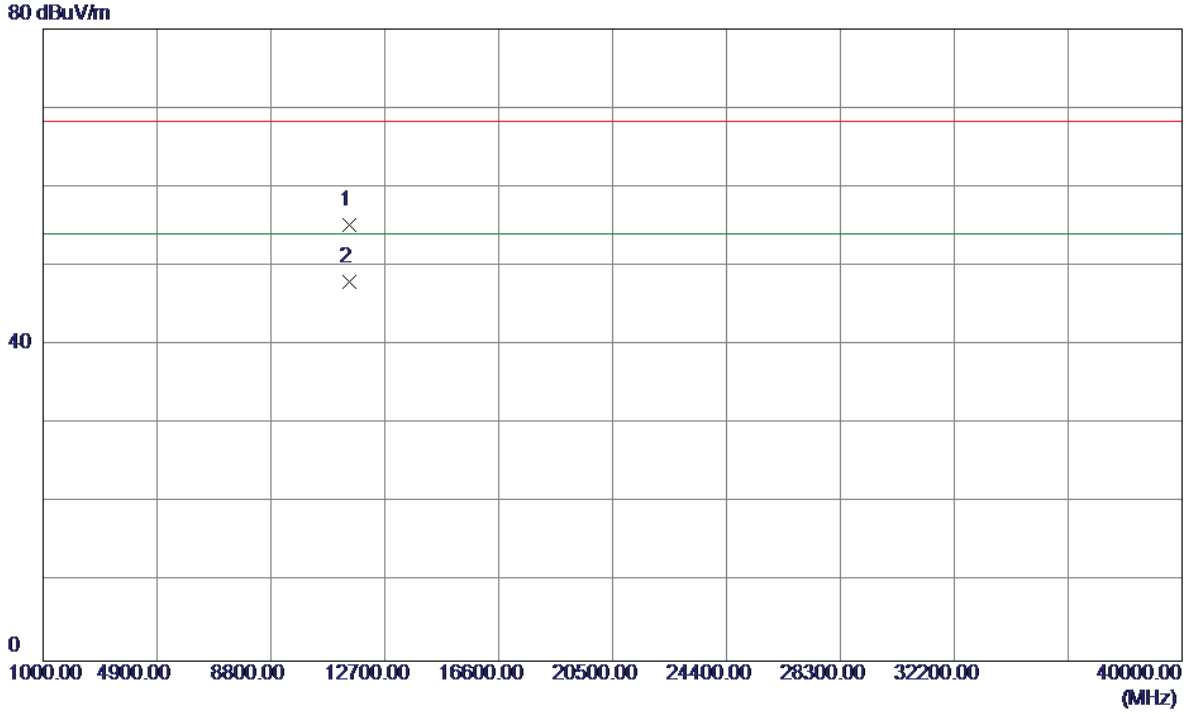
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5663.0000	9.38	42.92	52.30	68.30	-16.00	Peak	
2	5663.0000	-2.31	42.92	40.61	68.30	-27.69	AVG	
3	5715.0000	3.51	43.04	46.55	68.30	-21.75	Peak	
4	5715.0000	-6.07	43.04	36.97	68.30	-31.33	AVG	
5	5725.0000	5.13	43.06	48.19	78.30	-30.11	Peak	
6	5725.0000	-5.25	43.06	37.81	68.30	-30.49	AVG	
7	5743.0000	37.23	43.10	80.33	68.30	12.03	AVG	NO Limit
8	5743.2000	50.30	43.10	93.40	78.30	15.10	Peak	NO Limit

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

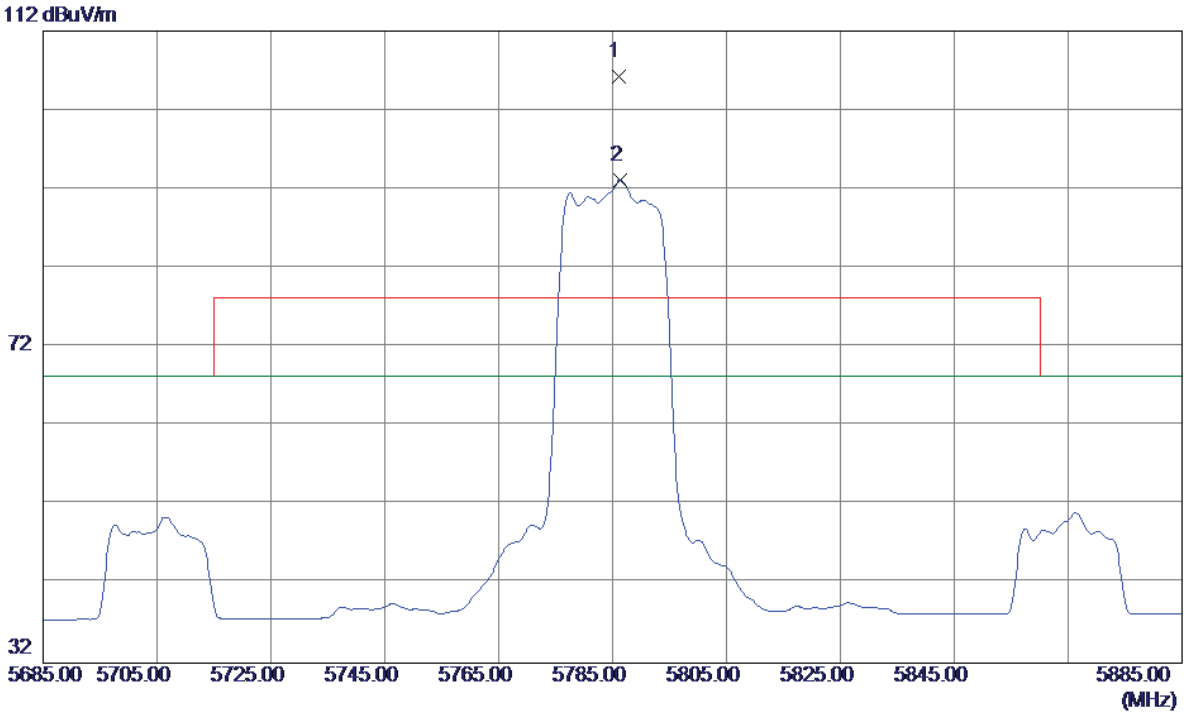
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.1300	38.26	16.91	55.17	68.30	-13.13	Peak	
2	11490.2100	31.12	16.91	48.03	54.00	-5.97	AVG	

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

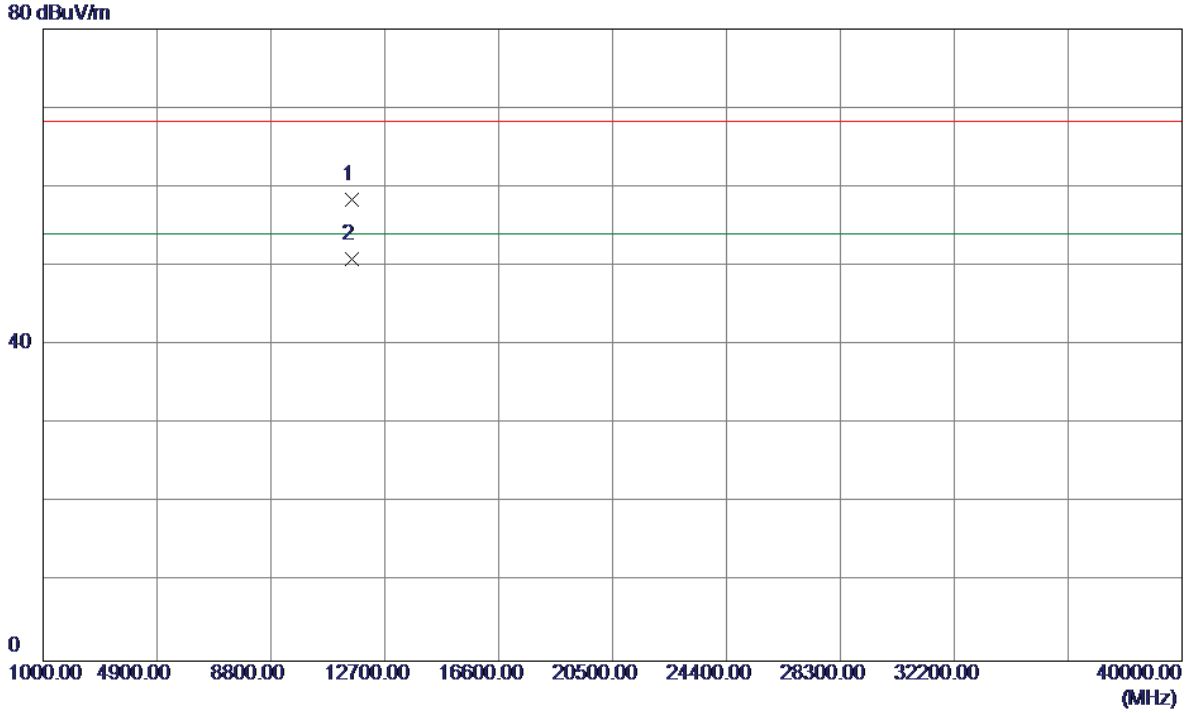
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5786.0000	62.98	43.19	106.17	78.30	27.87	Peak	NO Limit
2	5786.4000	49.91	43.20	93.11	68.30	24.81	AVG	NO Limit

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

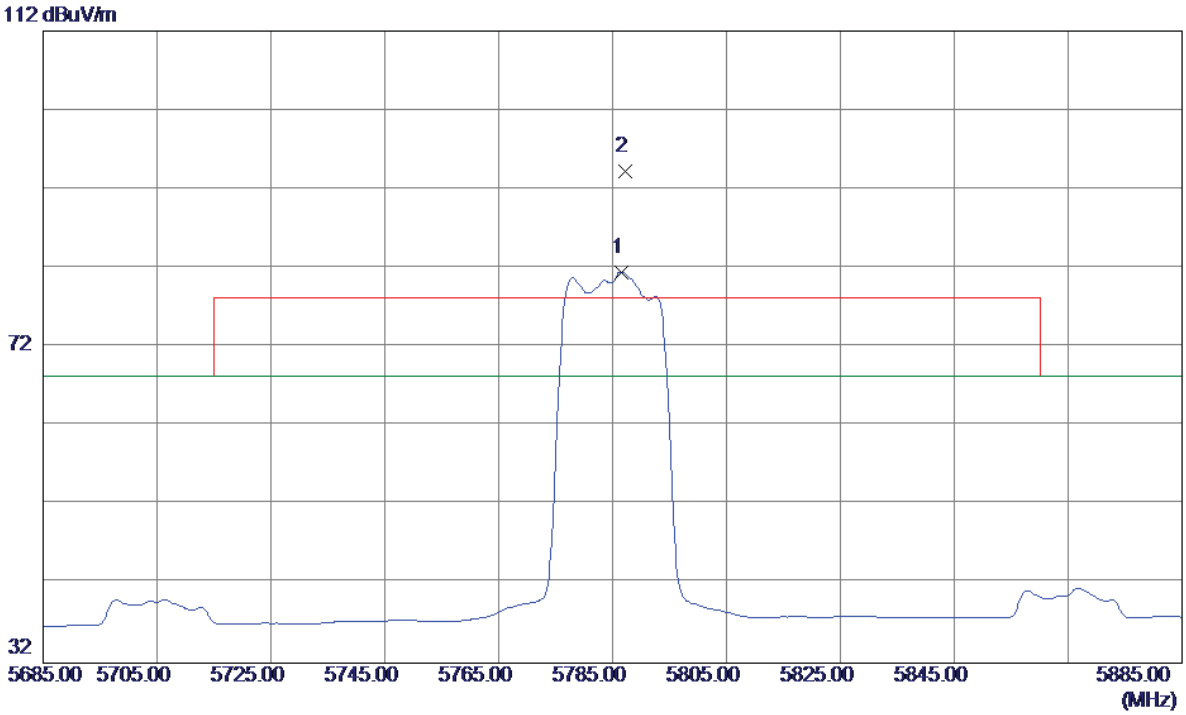
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.2000	41.32	17.05	58.37	68.30	-9.93	Peak	
2	11570.2200	33.79	17.05	50.84	54.00	-3.16	AVG	

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

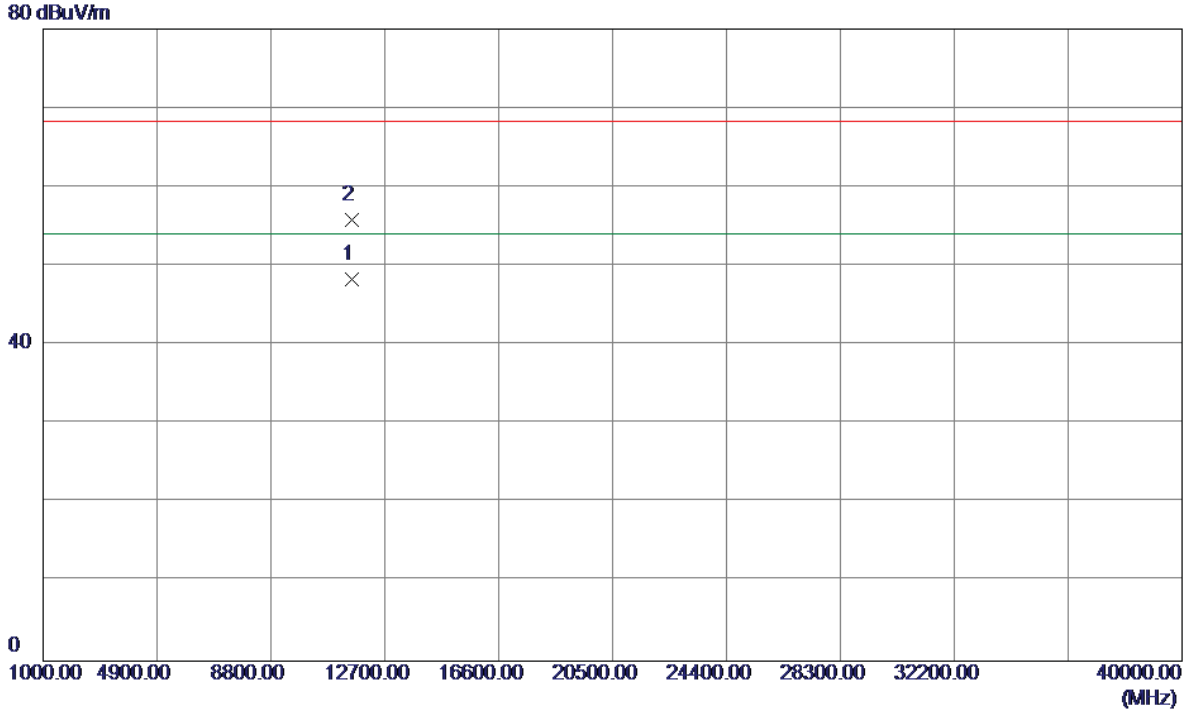
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5786.6000	38.28	43.20	81.48	68.30	13.18	AVG	NO Limit
2	5787.2000	51.05	43.20	94.25	78.30	15.95	Peak	NO Limit

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

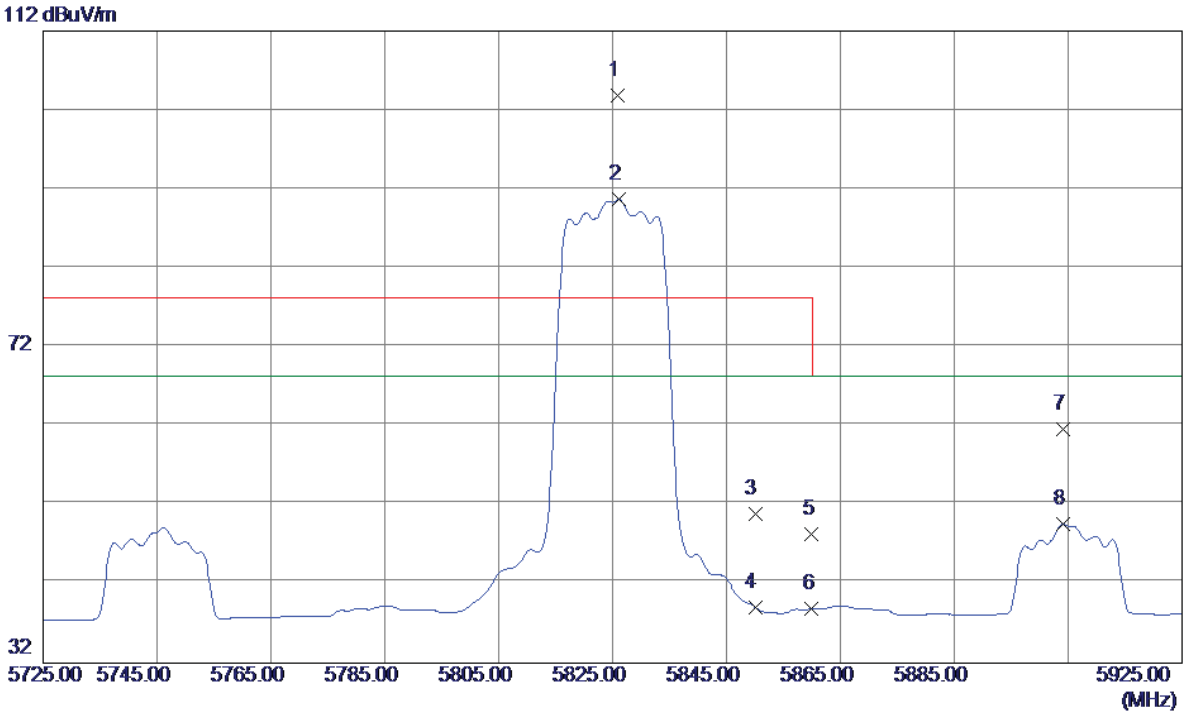
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.2200	31.26	17.05	48.31	54.00	-5.69	AVG	
2	11570.2500	38.85	17.05	55.90	68.30	-12.40	Peak	

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

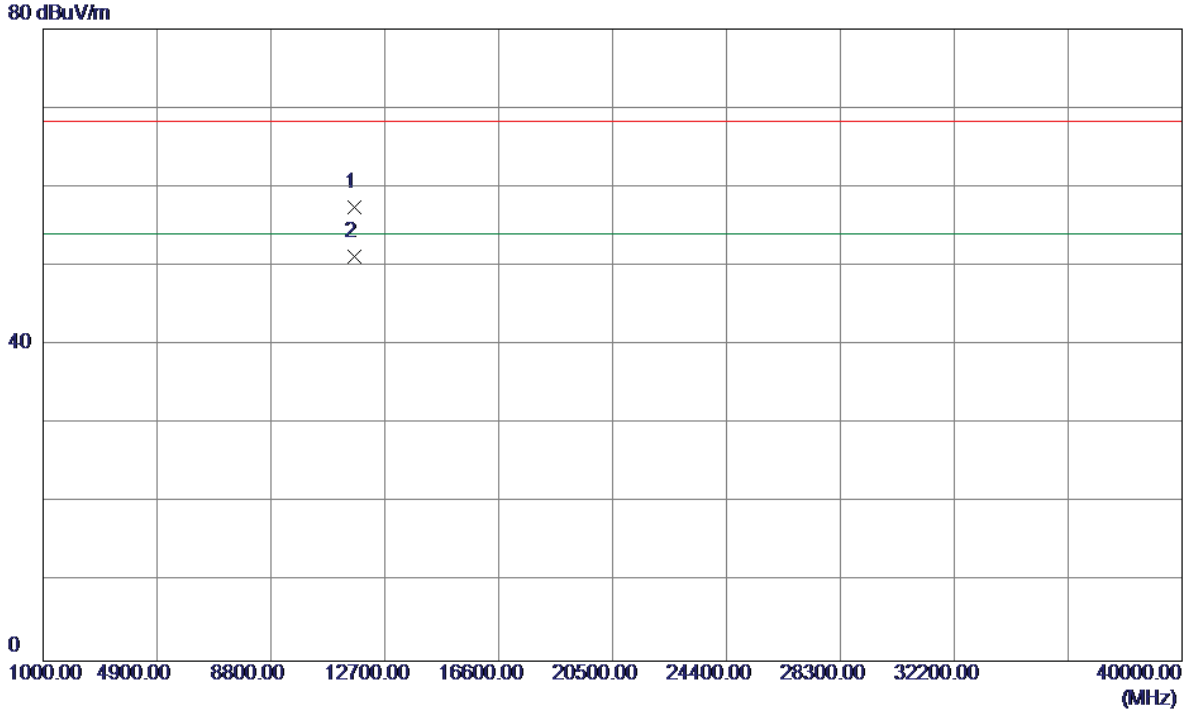
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5825.8000	60.60	43.28	103.88	78.30	25.58	Peak	NO Limit
2	5826.2000	47.43	43.28	90.71	68.30	22.41	AVG	NO Limit
3	5850.0000	7.52	43.34	50.86	78.30	-27.44	Peak	
4	5850.0000	-4.24	43.34	39.10	68.30	-29.20	AVG	
5	5860.0000	5.02	43.36	48.38	78.30	-29.92	Peak	
6	5860.0000	-4.45	43.36	38.91	68.30	-29.39	AVG	
7	5904.2000	18.10	43.46	61.56	68.30	-6.74	Peak	
8	5904.2000	6.15	43.46	49.61	68.30	-18.69	AVG	

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

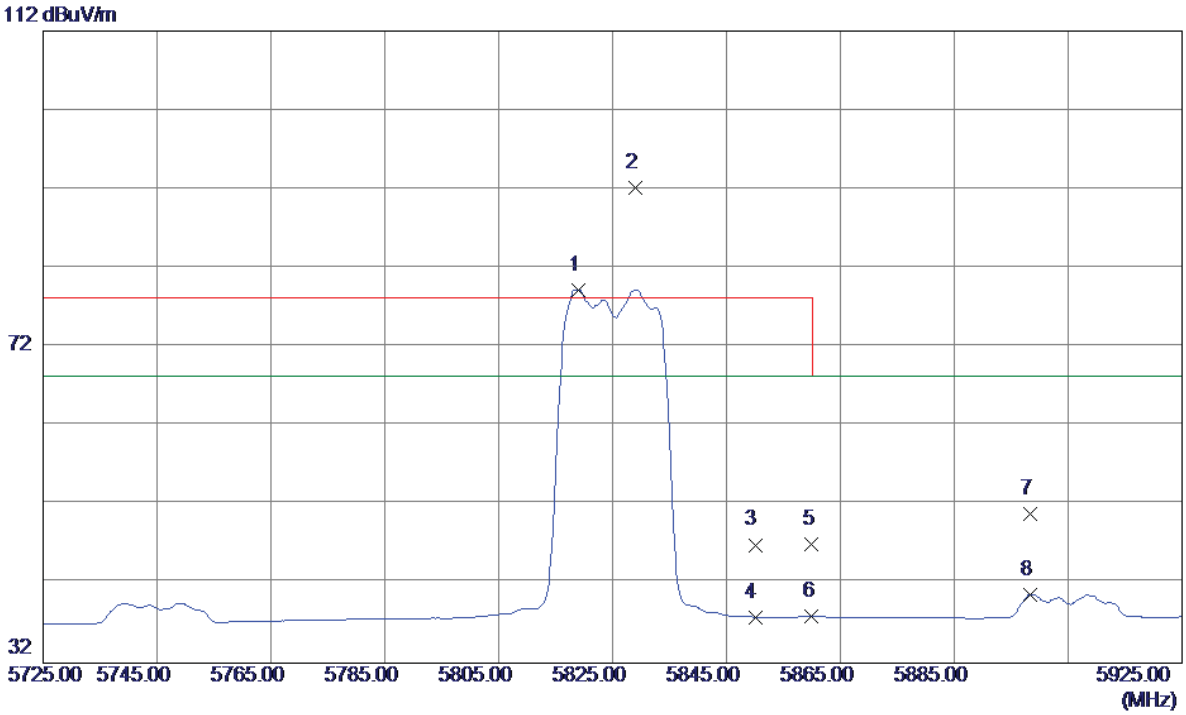
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.1100	40.25	17.17	57.42	68.30	-10.88	Peak	
2	11650.2100	34.06	17.17	51.23	54.00	-2.77	AVG	

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

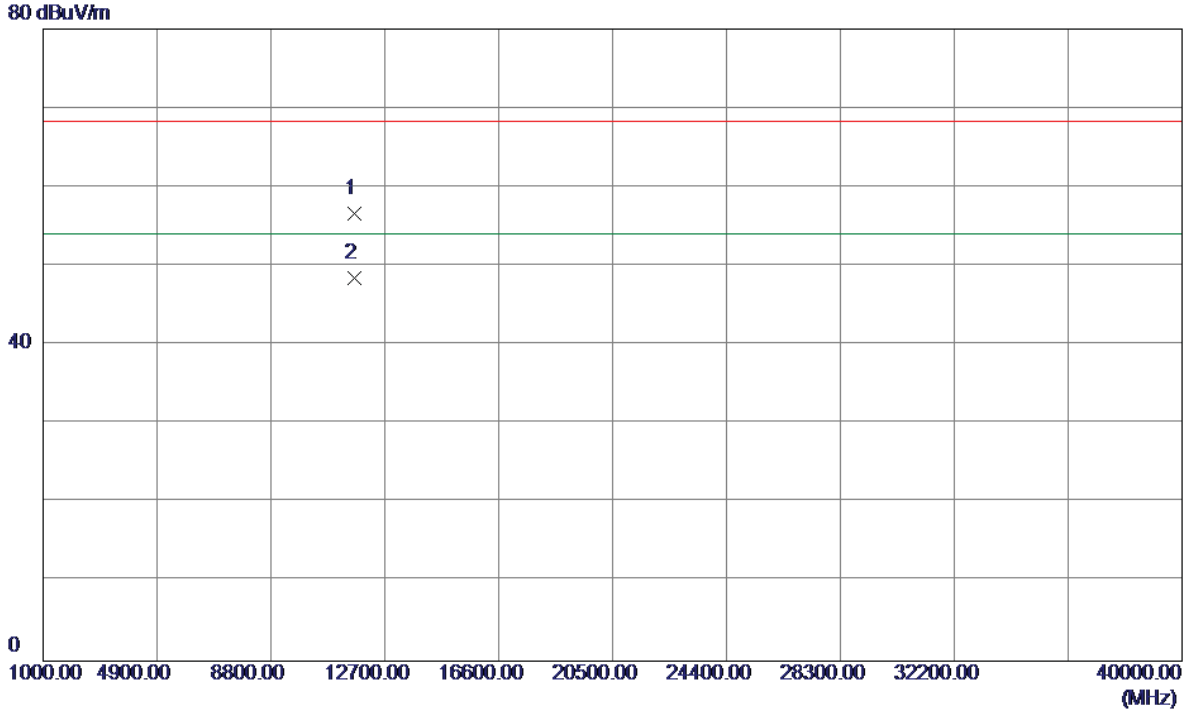
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5819.0000	35.95	43.27	79.22	68.30	10.92	AVG	NO Limit
2	5829.0000	48.92	43.29	92.21	78.30	13.91	Peak	NO Limit
3	5850.0000	3.62	43.34	46.96	78.30	-31.34	Peak	
4	5850.0000	-5.52	43.34	37.82	68.30	-30.48	AVG	
5	5860.0000	3.66	43.36	47.02	78.30	-31.28	Peak	
6	5860.0000	-5.48	43.36	37.88	68.30	-30.42	AVG	
7	5898.4000	7.45	43.44	50.89	68.30	-17.41	Peak	
8	5898.4000	-2.80	43.44	40.64	68.30	-27.66	AVG	

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

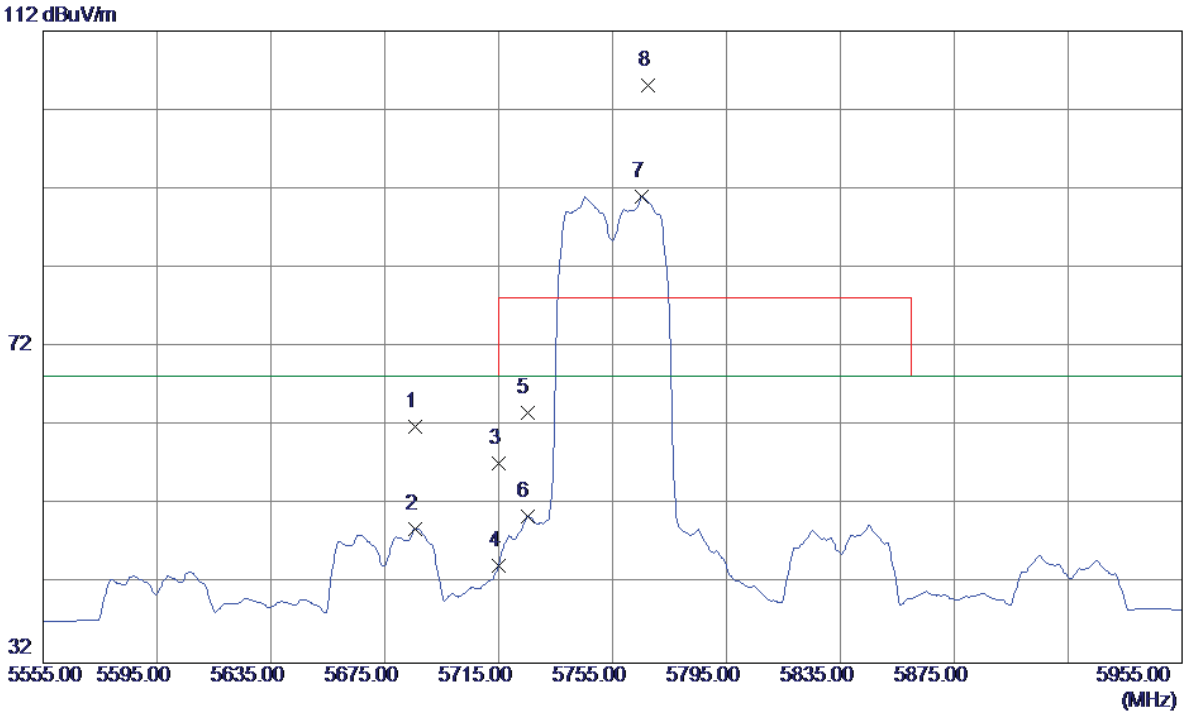
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.0700	39.43	17.17	56.60	68.30	-11.70	Peak	
2	11650.2100	31.34	17.17	48.51	54.00	-5.49	AVG	

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

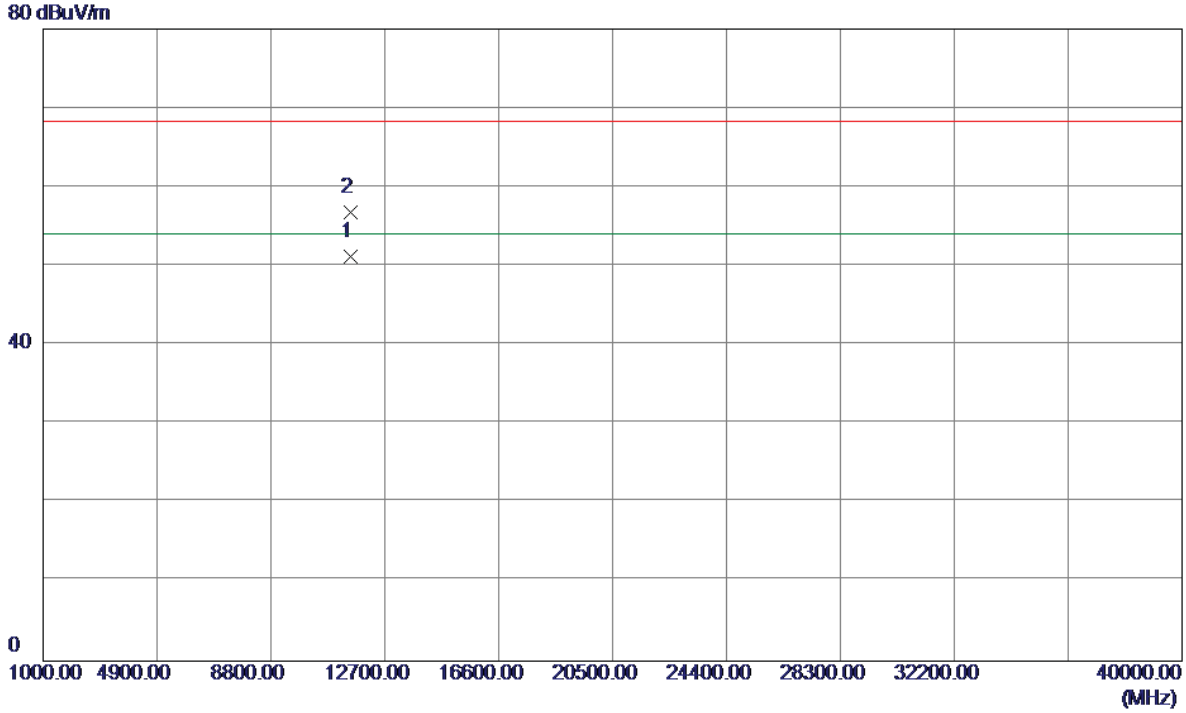
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5685.8000	18.99	42.97	61.96	68.30	-6.34	Peak	
2	5685.8000	6.04	42.97	49.01	68.30	-19.29	AVG	
3	5715.0000	14.20	43.04	57.24	68.30	-11.06	Peak	
4	5715.0000	1.32	43.04	44.36	68.30	-23.94	AVG	
5	5725.0000	20.69	43.06	63.75	78.30	-14.55	Peak	
6	5725.0000	7.48	43.06	50.54	68.30	-17.76	AVG	
7	5765.4000	47.88	43.15	91.03	68.30	22.73	AVG	NO Limit
8	5767.4000	62.01	43.15	105.16	78.30	26.86	Peak	NO Limit

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

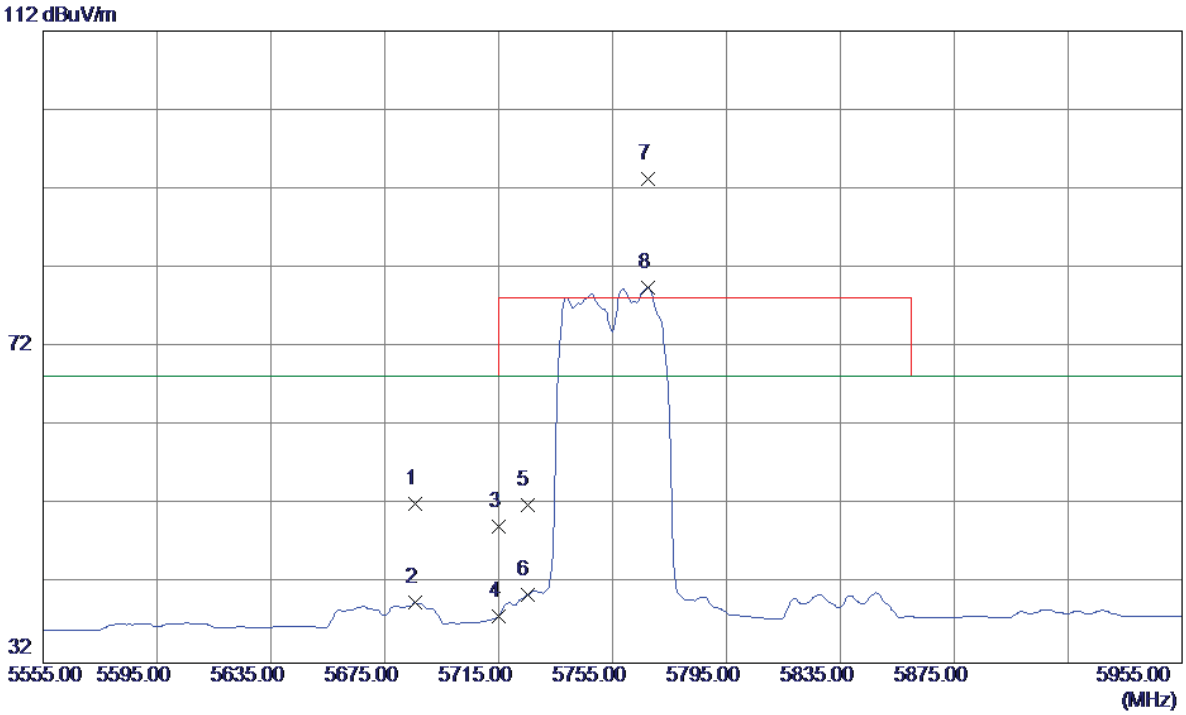
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.2200	34.29	16.95	51.24	54.00	-2.76	AVG	
2	11510.2300	39.91	16.95	56.86	68.30	-11.44	Peak	

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

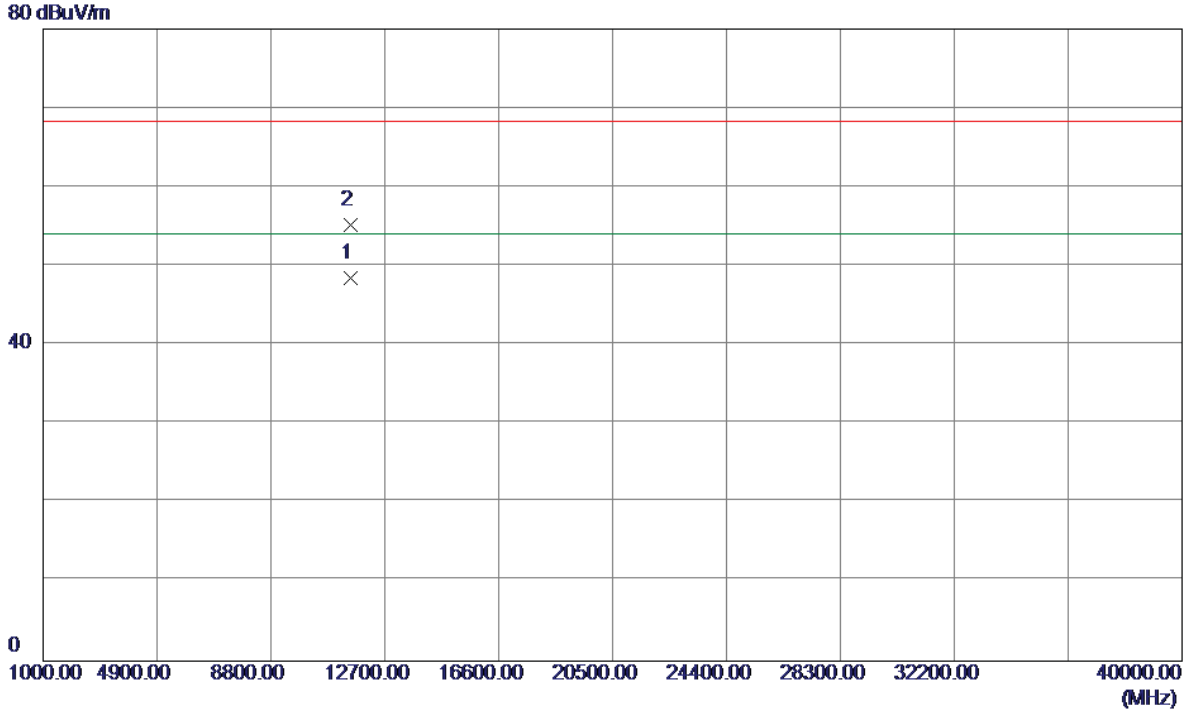
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5685.8000	9.20	42.97	52.17	68.30	-16.13	Peak	
2	5685.8000	-3.36	42.97	39.61	68.30	-28.69	AVG	
3	5715.0000	6.17	43.04	49.21	68.30	-19.09	Peak	
4	5715.0000	-5.11	43.04	37.93	68.30	-30.37	AVG	
5	5725.0000	8.99	43.06	52.05	78.30	-26.25	Peak	
6	5725.0000	-2.43	43.06	40.63	68.30	-27.67	AVG	
7	5767.4000	50.08	43.15	93.23	78.30	14.93	Peak	NO Limit
8	5767.4000	36.42	43.15	79.57	68.30	11.27	AVG	NO Limit

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

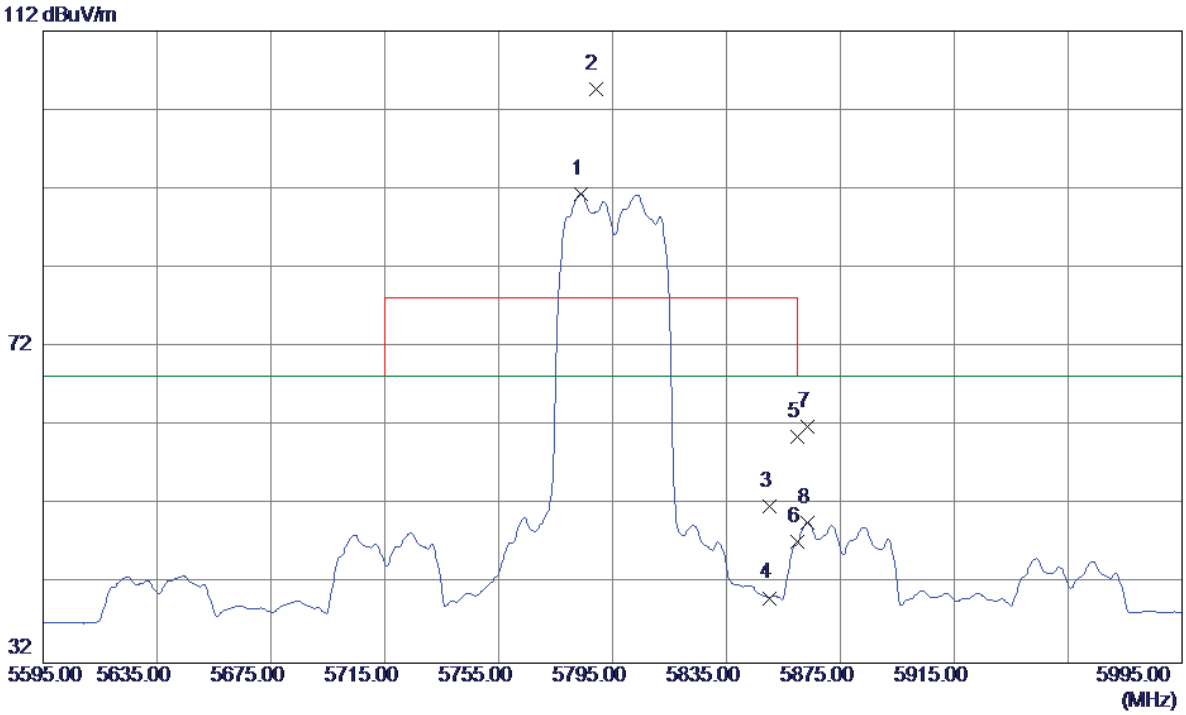
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.2100	31.53	16.95	48.48	54.00	-5.52	AVG	
2	11510.2300	38.29	16.95	55.24	68.30	-13.06	Peak	

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

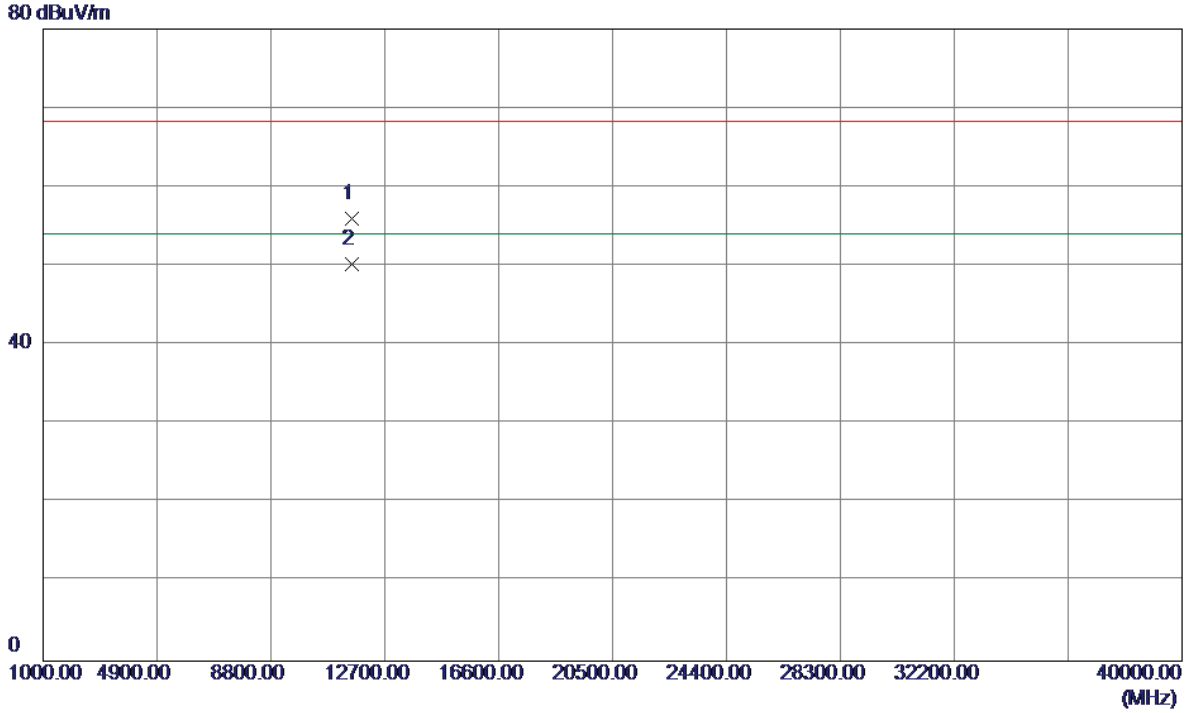
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5783.8000	48.16	43.19	91.35	68.30	23.05	AVG	NO Limit
2	5789.0000	61.45	43.20	104.65	78.30	26.35	Peak	NO Limit
3	5850.0000	8.51	43.34	51.85	78.30	-26.45	Peak	
4	5850.0000	-3.10	43.34	40.24	68.30	-28.06	AVG	
5	5860.0000	17.31	43.36	60.67	78.30	-17.63	Peak	
6	5860.0000	3.94	43.36	47.30	68.30	-21.00	AVG	
7	5863.4000	18.48	43.37	61.85	68.30	-6.45	Peak	
8	5863.4000	6.37	43.37	49.74	68.30	-18.56	AVG	

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

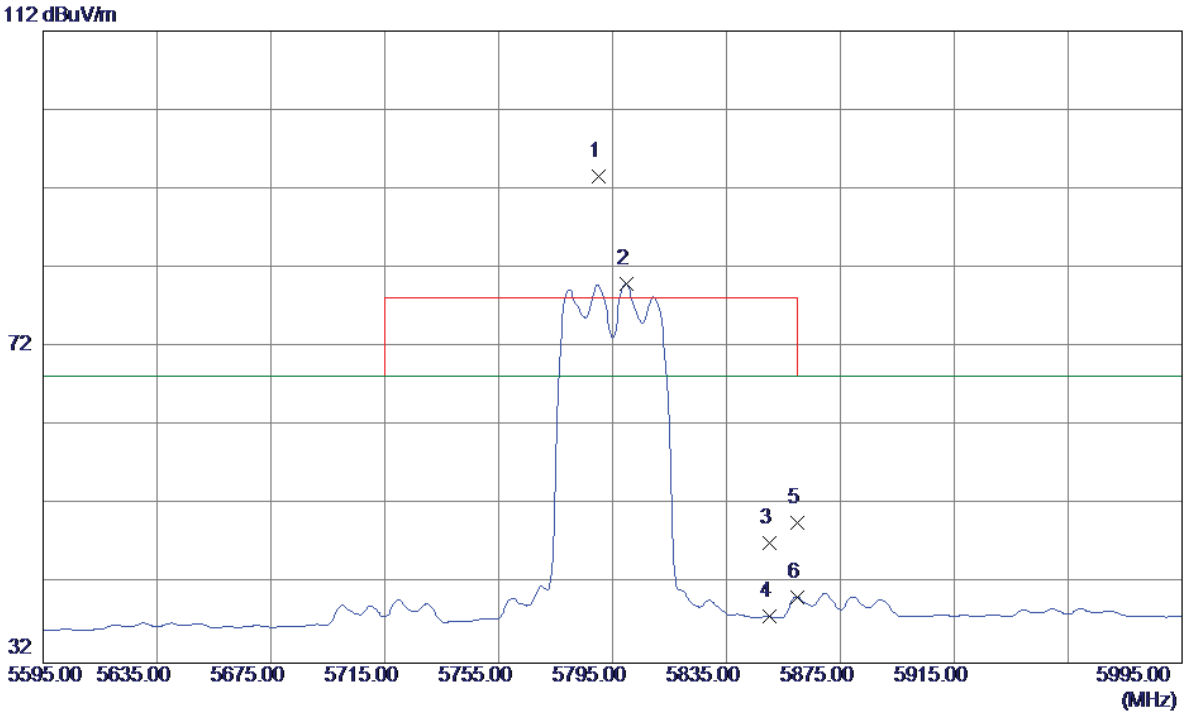
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.2000	38.87	17.08	55.95	68.30	-12.35	Peak	
2	11590.2200	33.19	17.08	50.27	54.00	-3.73	AVG	

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

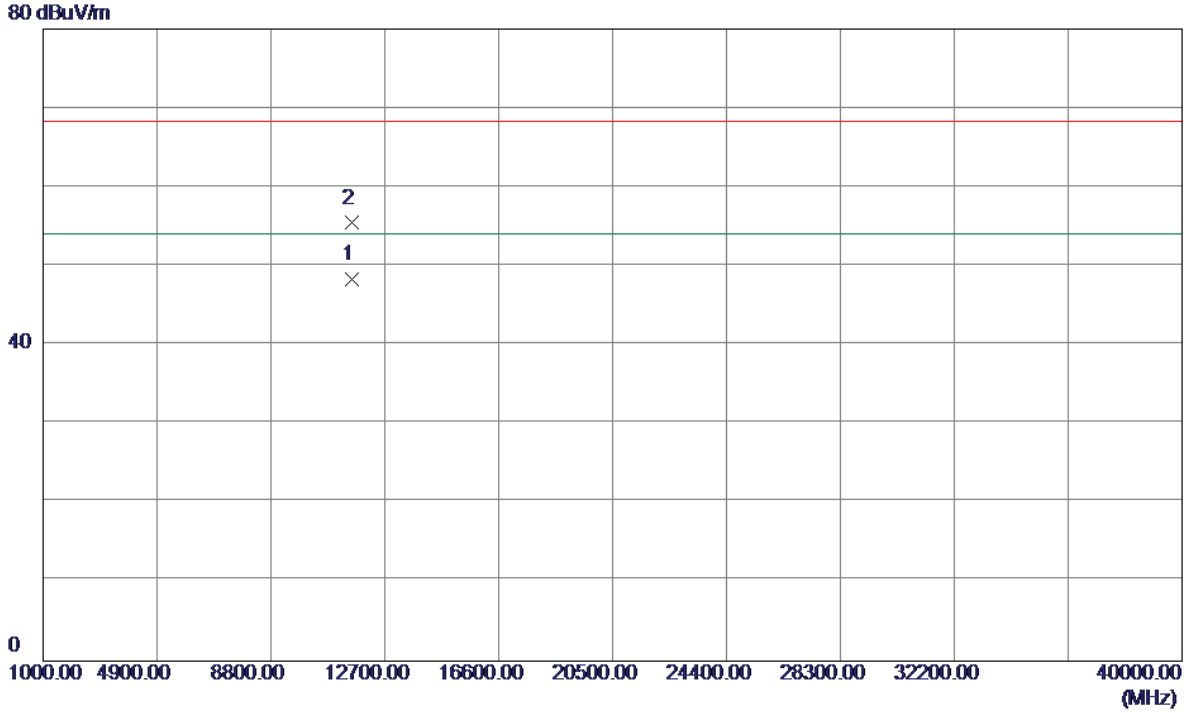
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5790.2000	50.36	43.20	93.56	78.30	15.26	Peak	NO Limit
2	5799.8000	36.74	43.23	79.97	68.30	11.67	AVG	NO Limit
3	5850.0000	3.82	43.34	47.16	78.30	-31.14	Peak	
4	5850.0000	-5.49	43.34	37.85	68.30	-30.45	AVG	
5	5860.0000	6.41	43.36	49.77	78.30	-28.53	Peak	
6	5860.0000	-3.01	43.36	40.35	68.30	-27.95	AVG	

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

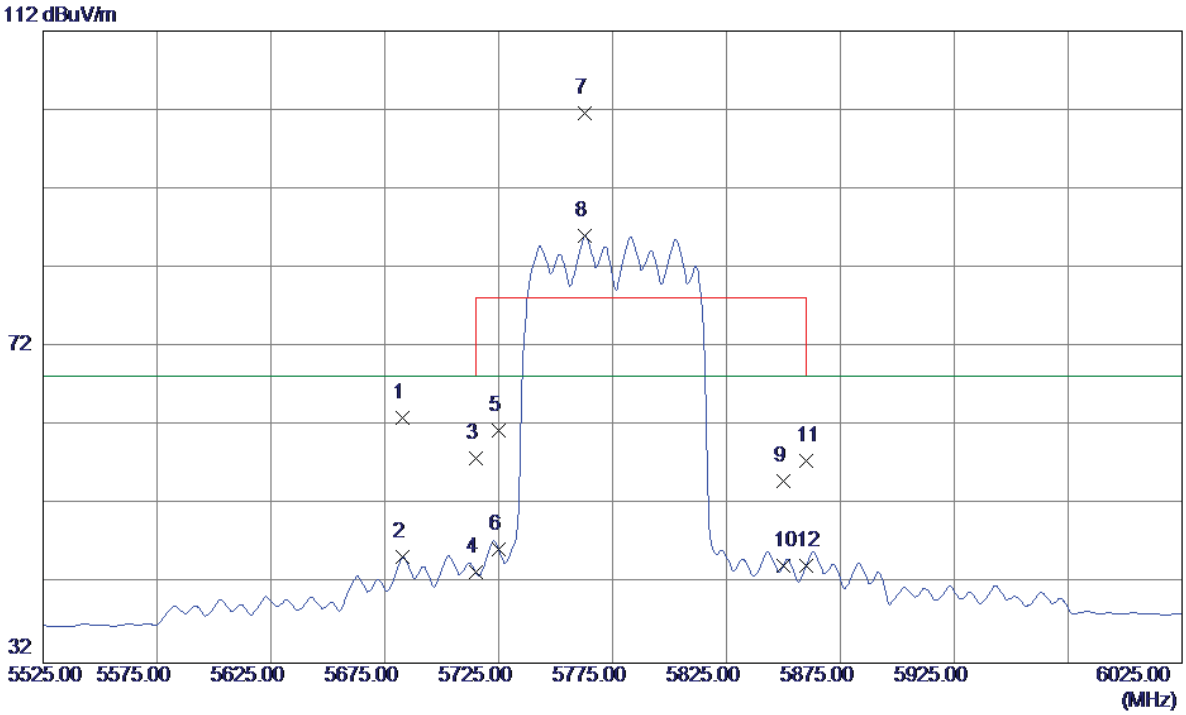
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.2100	31.25	17.08	48.33	54.00	-5.67	AVG	
2	11590.2200	38.36	17.08	55.44	68.30	-12.86	Peak	

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

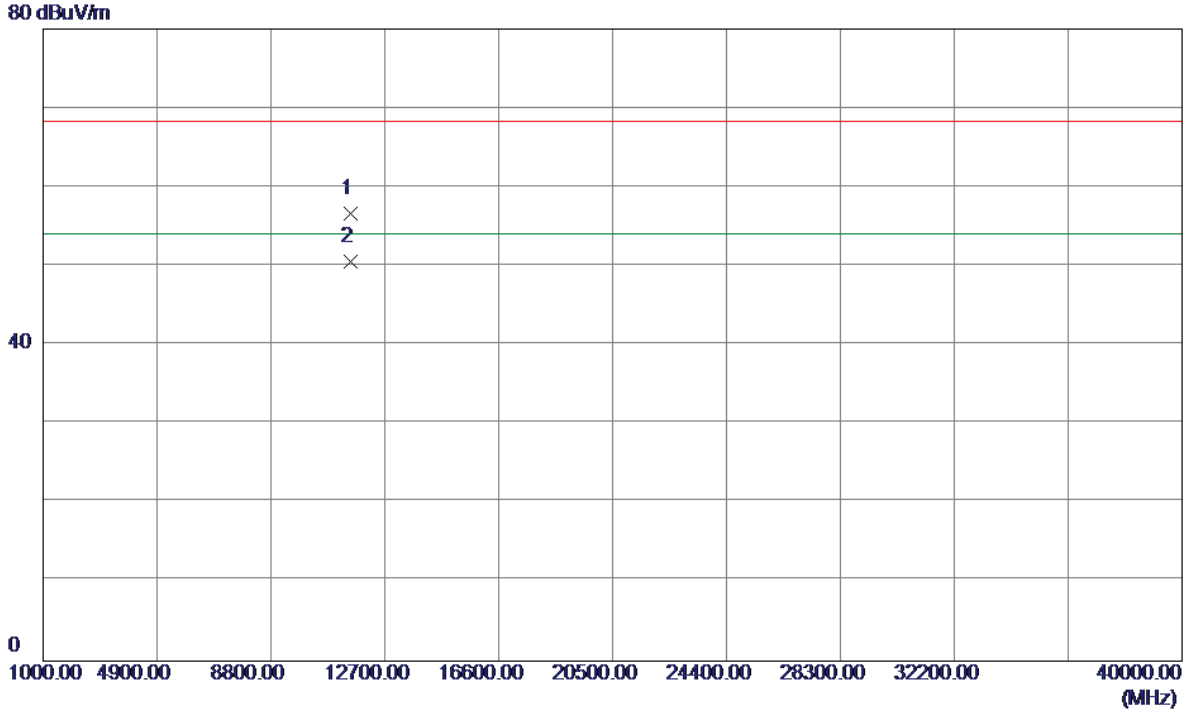
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5683.0000	20.00	42.97	62.97	68.30	-5.33	Peak	
2	5683.0000	2.43	42.97	45.40	68.30	-22.90	AVG	
3	5715.0000	14.83	43.04	57.87	68.30	-10.43	Peak	
4	5715.0000	0.50	43.04	43.54	68.30	-24.76	AVG	
5	5725.0000	18.45	43.06	61.51	78.30	-16.79	Peak	
6	5725.0000	3.41	43.06	46.47	68.30	-21.83	AVG	
7	5763.0000	58.50	43.14	101.64	78.30	23.34	Peak	NO Limit
8	5763.0000	42.92	43.14	86.06	68.30	17.76	AVG	NO Limit
9	5850.0000	11.69	43.34	55.03	78.30	-23.27	Peak	
10	5850.0000	1.02	43.34	44.36	68.30	-23.94	AVG	
11	5860.0000	14.19	43.36	57.55	78.30	-20.75	Peak	
12	5860.0000	0.96	43.36	44.32	68.30	-23.98	AVG	

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

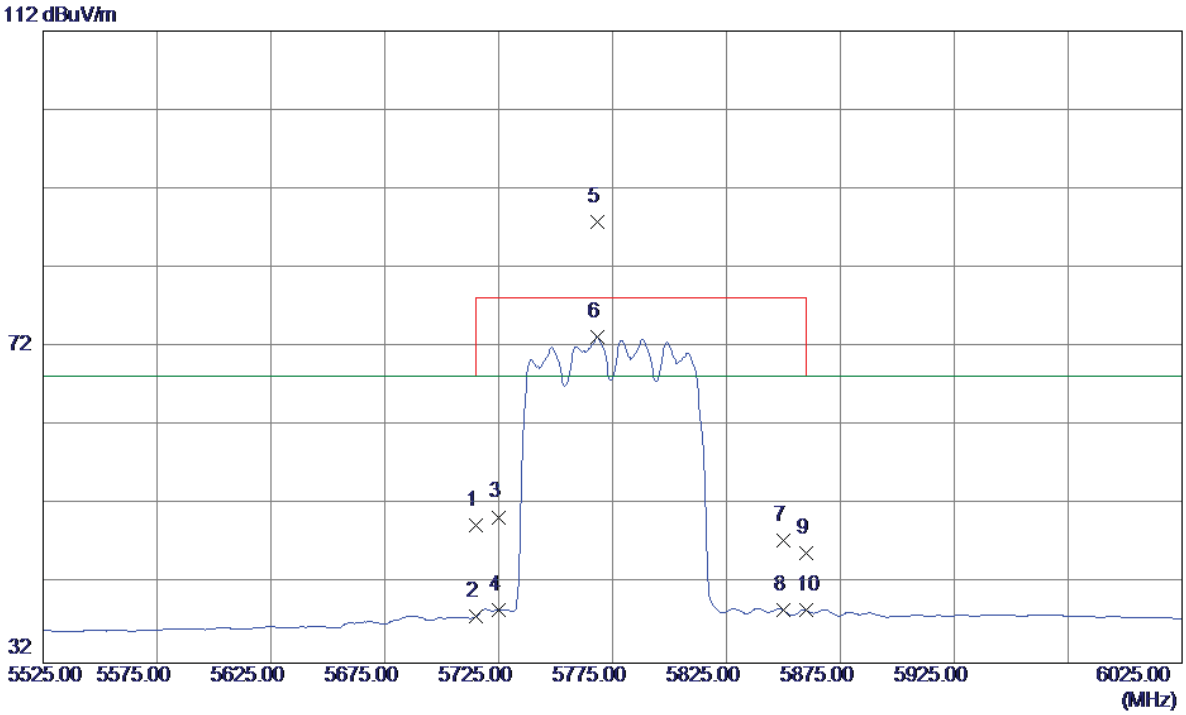
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11550.1900	39.62	17.01	56.63	68.30	-11.67	Peak	
2	11550.2200	33.54	17.01	50.55	54.00	-3.45	AVG	

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

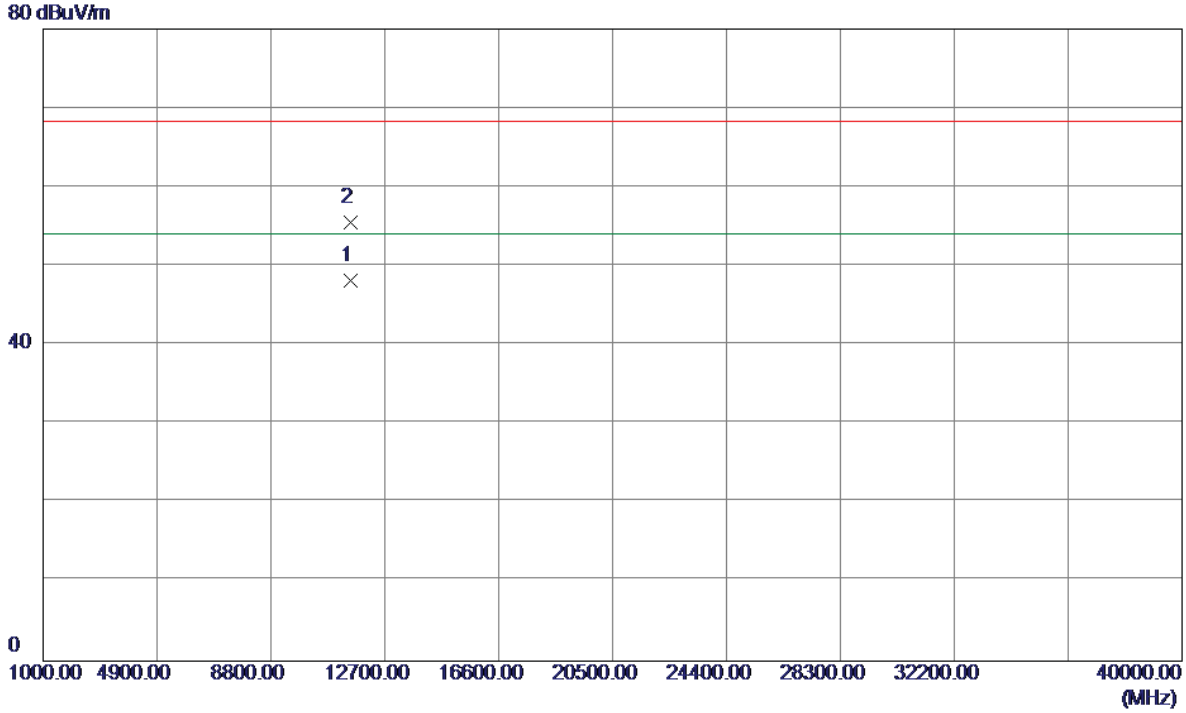
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	6.45	43.04	49.49	68.30	-18.81	Peak	
2	5715.0000	-5.19	43.04	37.85	68.30	-30.45	AVG	
3	5725.0000	7.42	43.06	50.48	78.30	-27.82	Peak	
4	5725.0000	-4.31	43.06	38.75	68.30	-29.55	AVG	
5	5768.5000	44.71	43.16	87.87	78.30	9.57	Peak	NO Limit
6	5768.5000	30.10	43.16	73.26	68.30	4.96	AVG	NO Limit
7	5850.0000	4.12	43.34	47.46	78.30	-30.84	Peak	
8	5850.0000	-4.67	43.34	38.67	68.30	-29.63	AVG	
9	5860.0000	2.57	43.36	45.93	78.30	-32.37	Peak	
10	5860.0000	-4.66	43.36	38.70	68.30	-29.60	AVG	

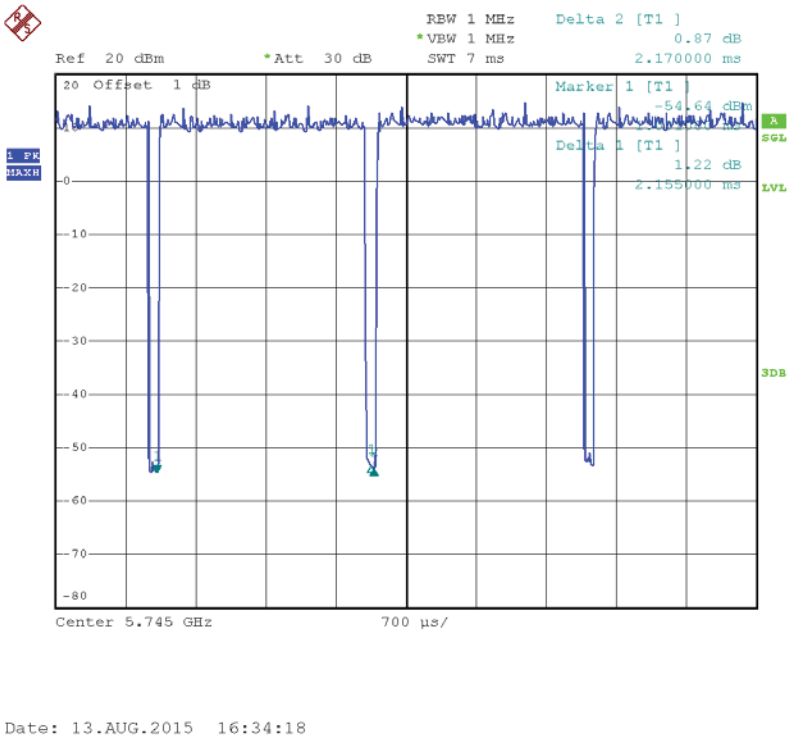
Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11550.2000	31.18	17.01	48.19	54.00	-5.81	AVG	
2	11550.3099	38.51	17.01	55.52	68.30	-12.78	Peak	

TX A Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

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

T_{ON}: 2.15 msec

T_{Total}: 2.17 msec

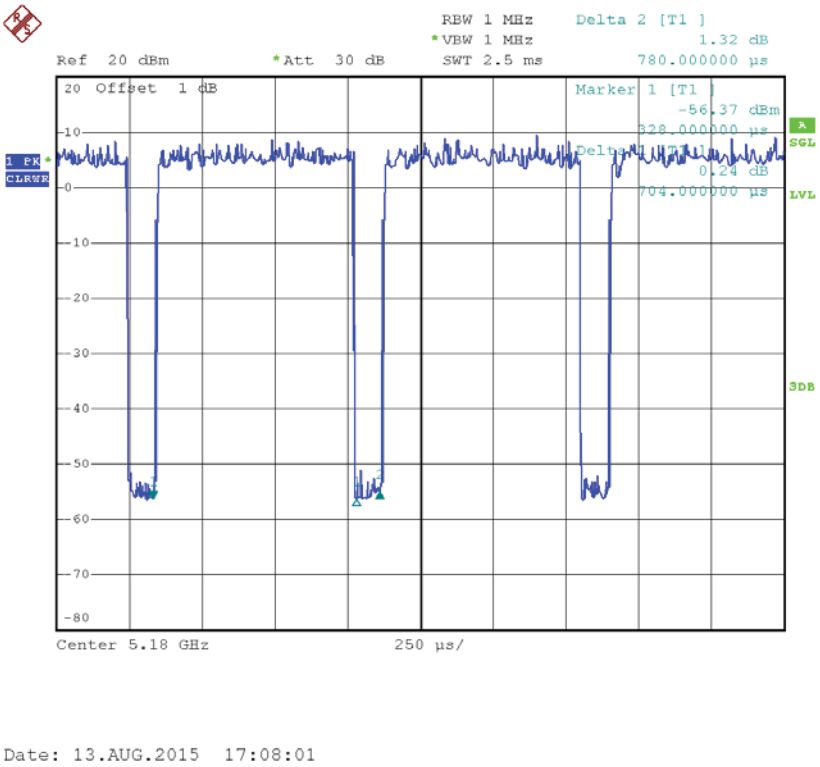
Duty cycle: 99.08%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.04

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

TX N20 Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

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

T_{ON}: 0.70 msec

T_{Total}: 0.78 msec

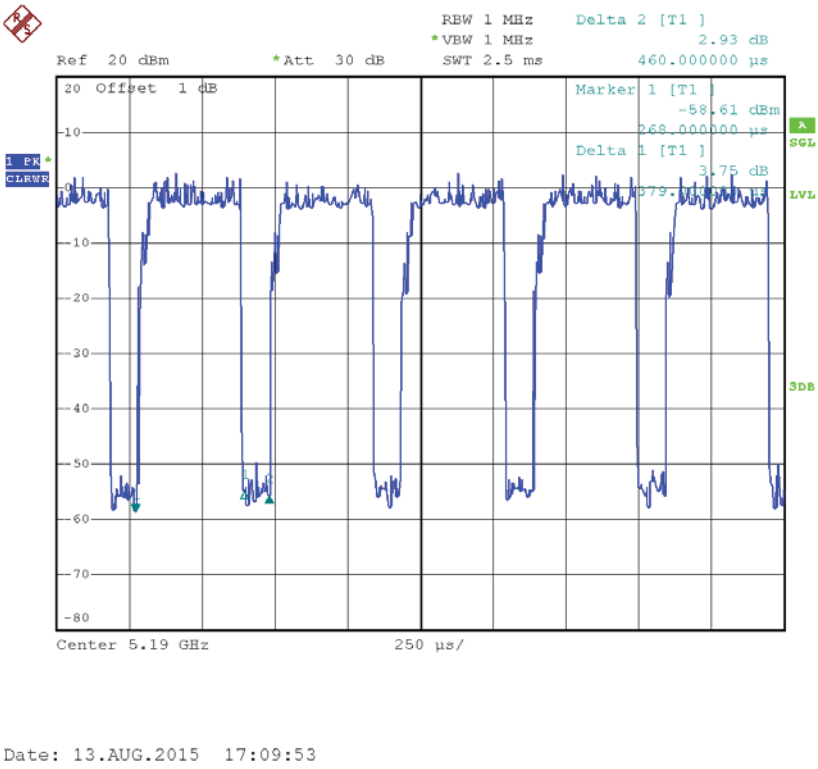
Duty cycle: 89.74%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.47

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be cacluated as
Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

TX N40 Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

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

T_{ON}: 0.38 msec

T_{Total}: 0.46 msec

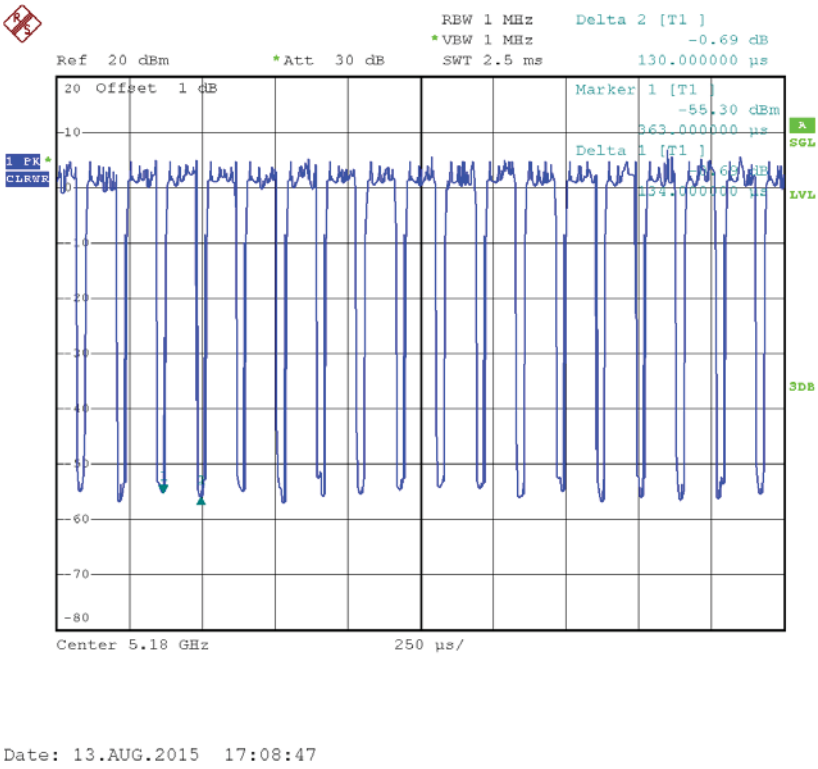
Duty cycle: 82.61%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.83

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be cacluated as
Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

TX AC20 Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

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

T_{ON}: 0.13 msec

T_{Total}: 0.13 msec

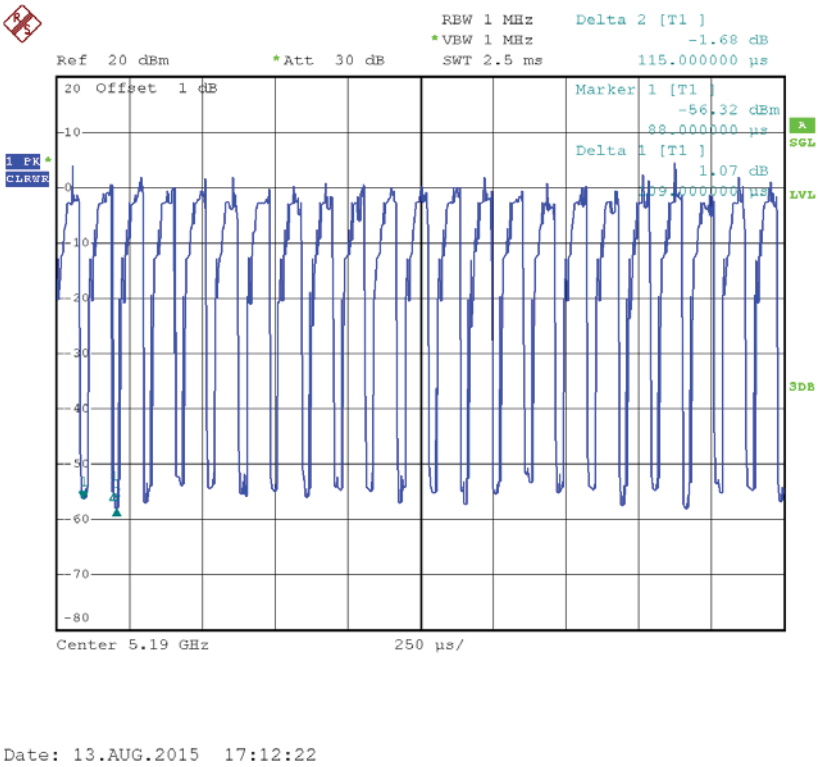
Duty cycle: 100.00%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00

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

TX AC40 Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

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

T_{ON}: 0.11 msec

T_{Total}: 0.12 msec

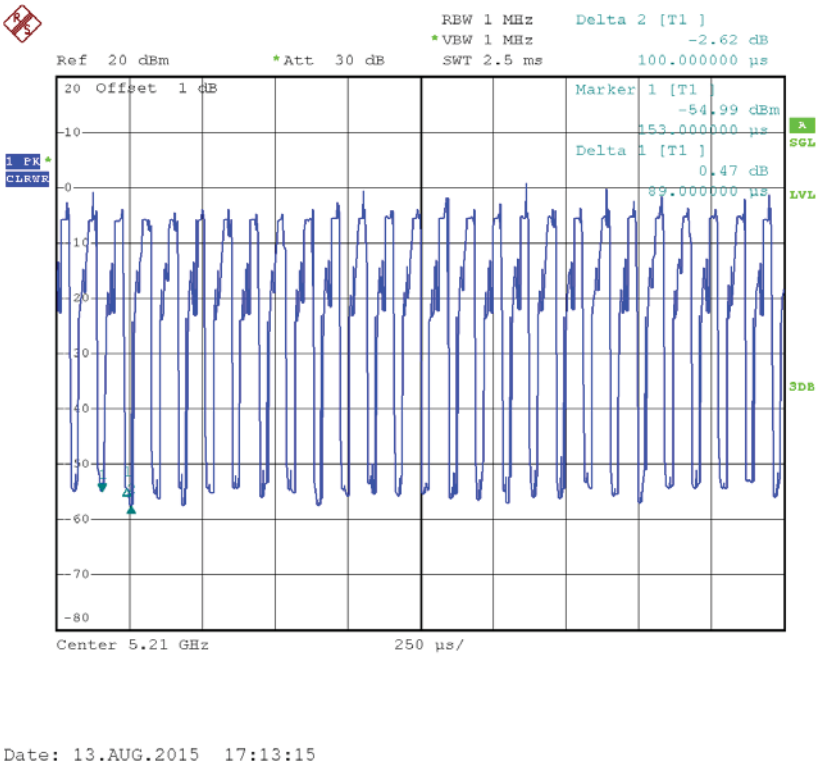
Duty cycle: 91.67%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.38

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

TX AC80 Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

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

T_{ON}: 0.09 msec

T_{Total}: 0.10 msec

Duty cycle: 90.00%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.46

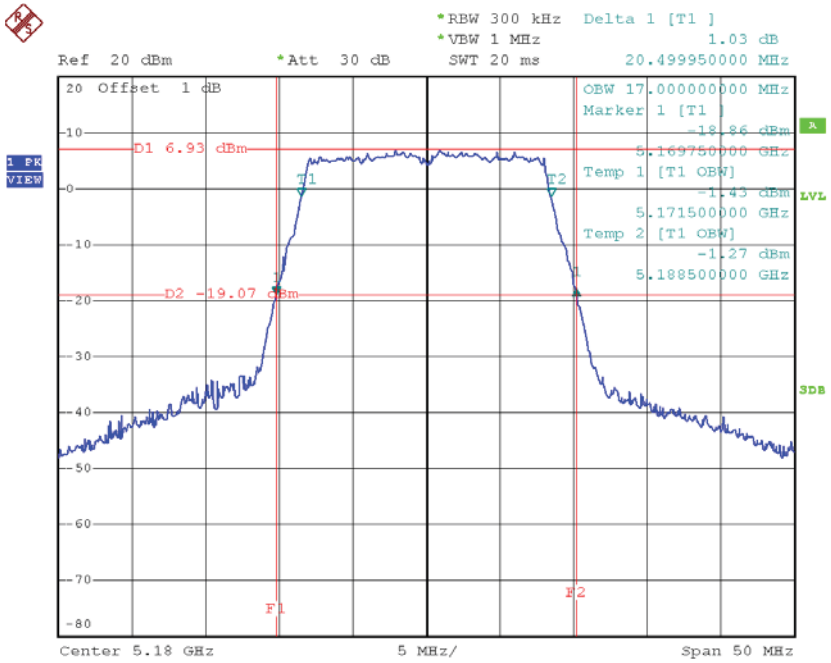
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be cacluated as
Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

ATTACHMENT E - BANDWIDTH

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

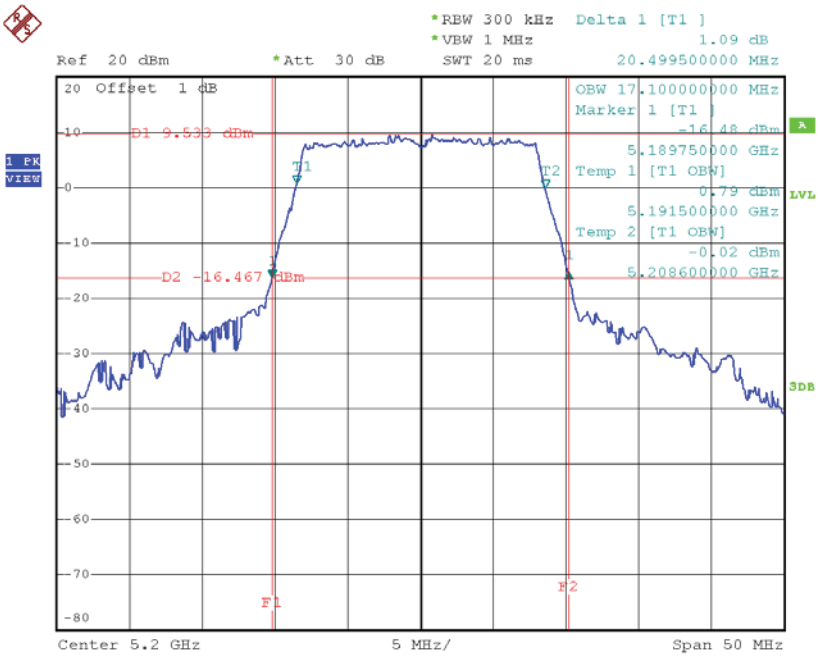
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	20.50	17.00
CH40	5200	20.50	17.10
CH48	5240	20.55	17.00

TX CH36



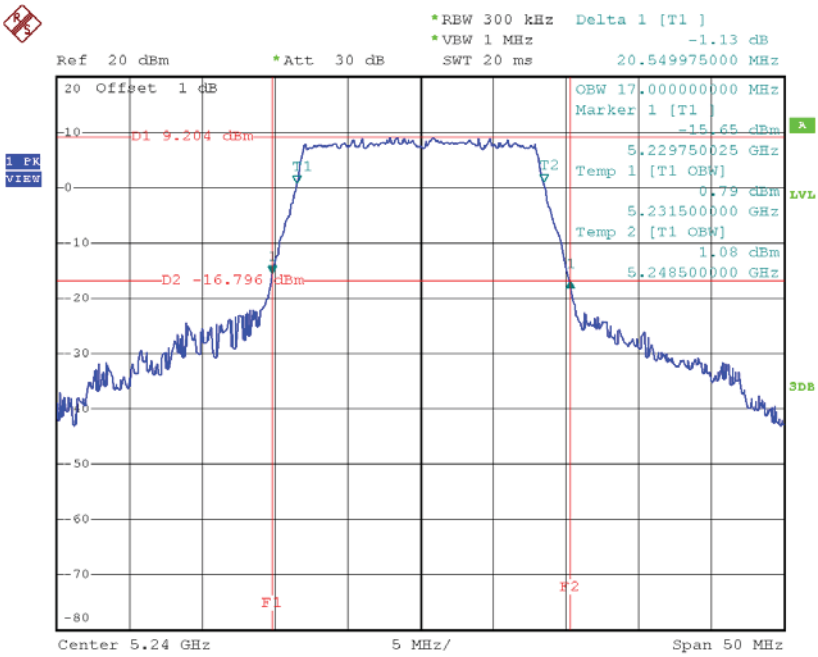
Date: 13.AUG.2015 16:26:49

TX CH40



Date: 13.AUG.2015 16:29:06

TX CH48

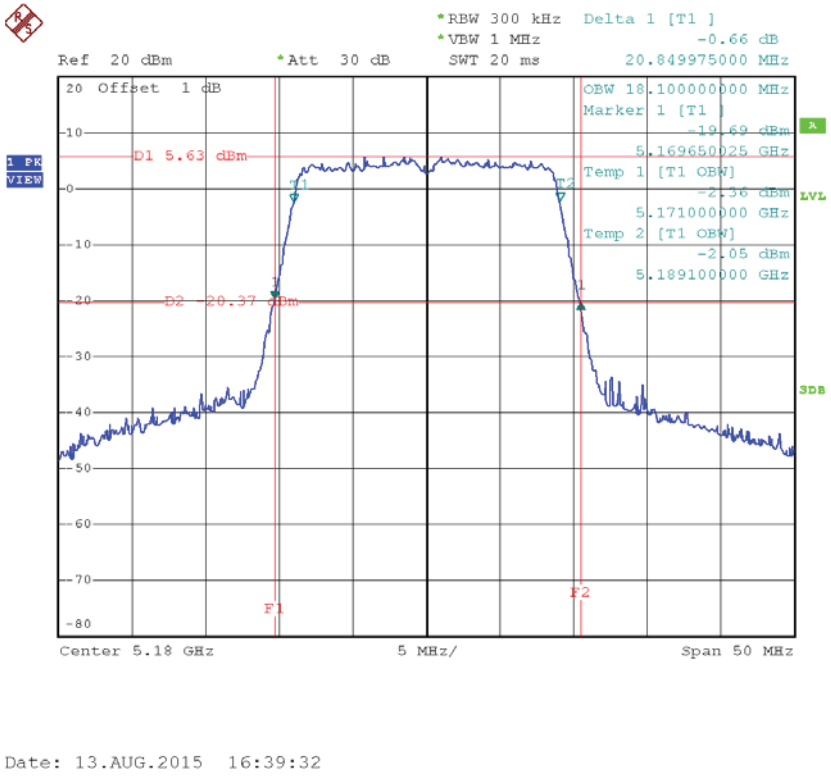


Date: 13.AUG.2015 16:30:41

Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

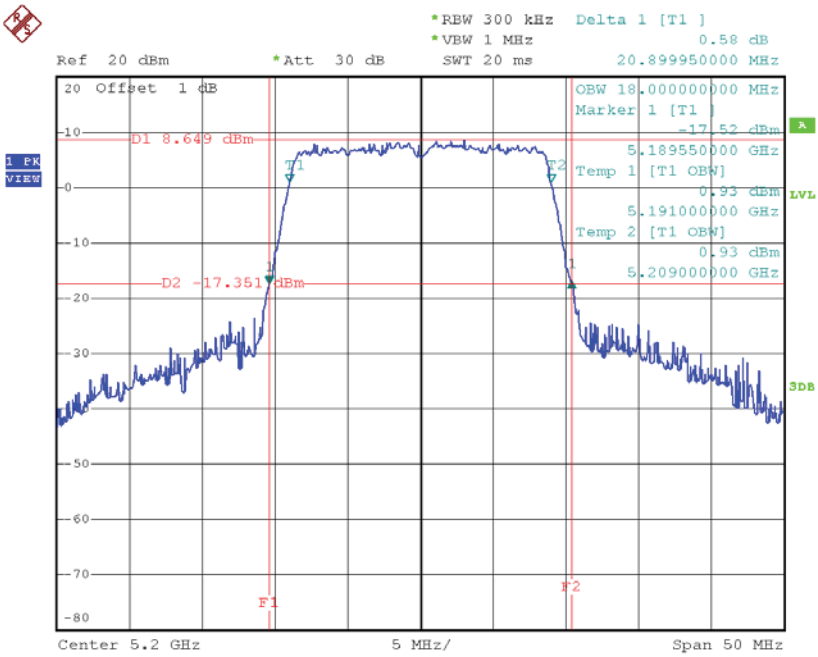
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	20.85	18.10
CH40	5200	20.90	18.00
CH48	5240	20.75	18.00

TX CH36



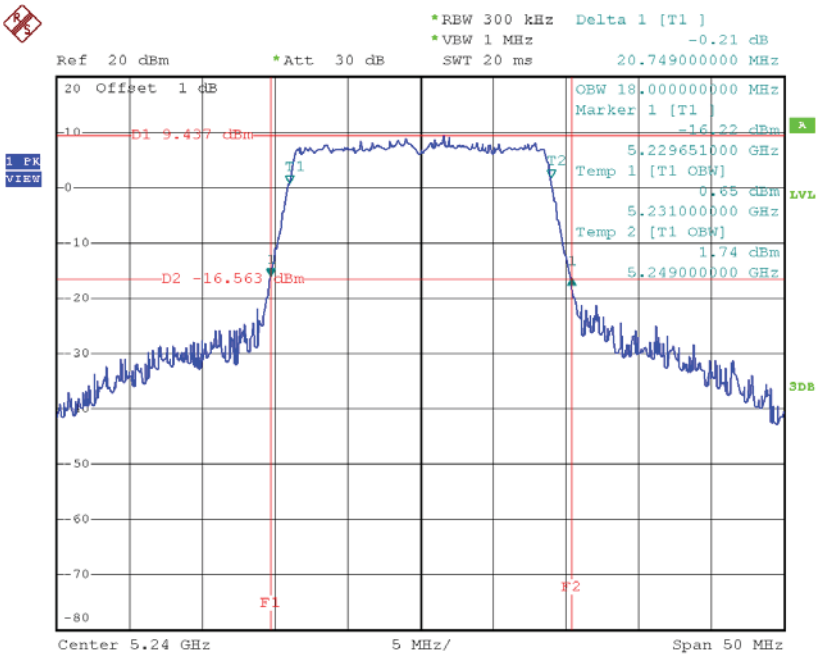
Date: 13.AUG.2015 16:39:32

TX CH40



Date: 13.AUG.2015 16:46:58

TX CH48

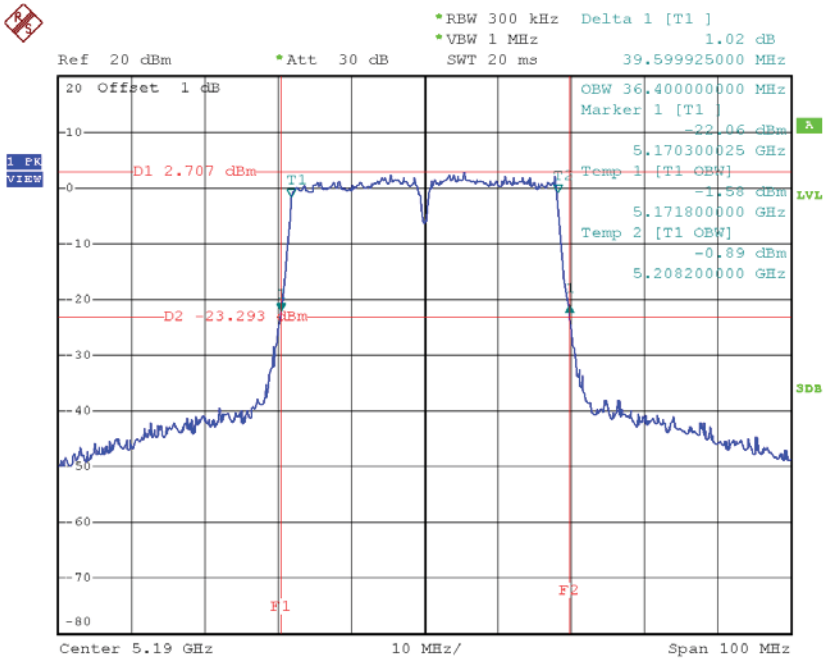


Date: 13.AUG.2015 16:47:39

Test Mode: UNII-1/TX N40 Mode_CH38/CH46

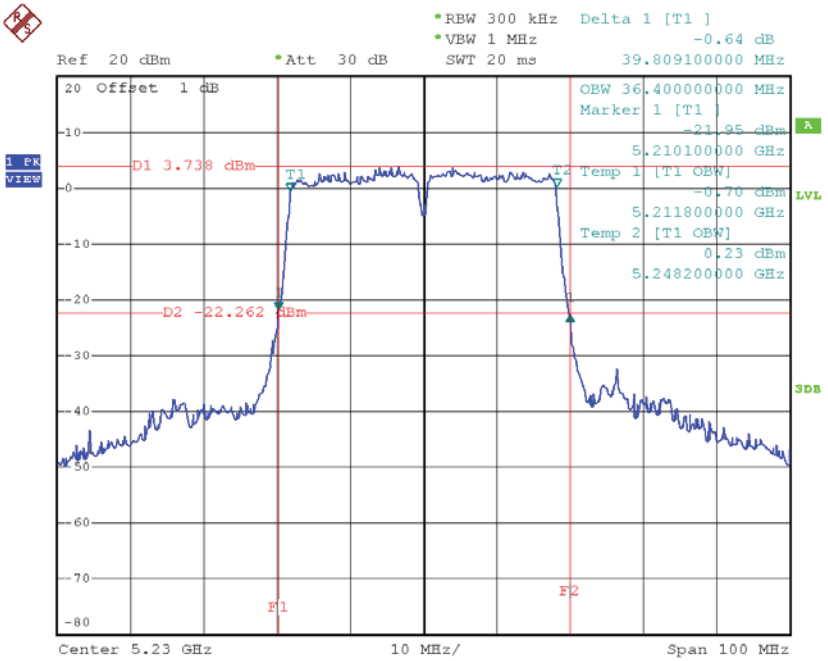
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	39.60	36.40
CH46	5230	39.81	36.40

TX CH38



Date: 13.AUG.2015 16:56:48

TX CH46

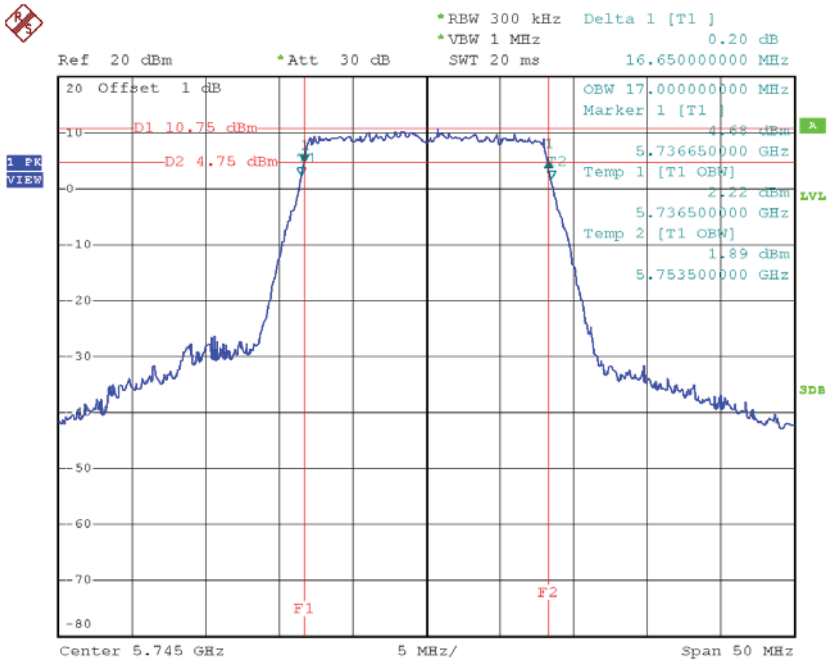


Date: 13.AUG.2015 16:57:33

Test Mode: UNII-3/ TX A Mode_CH149/CH157/CH165

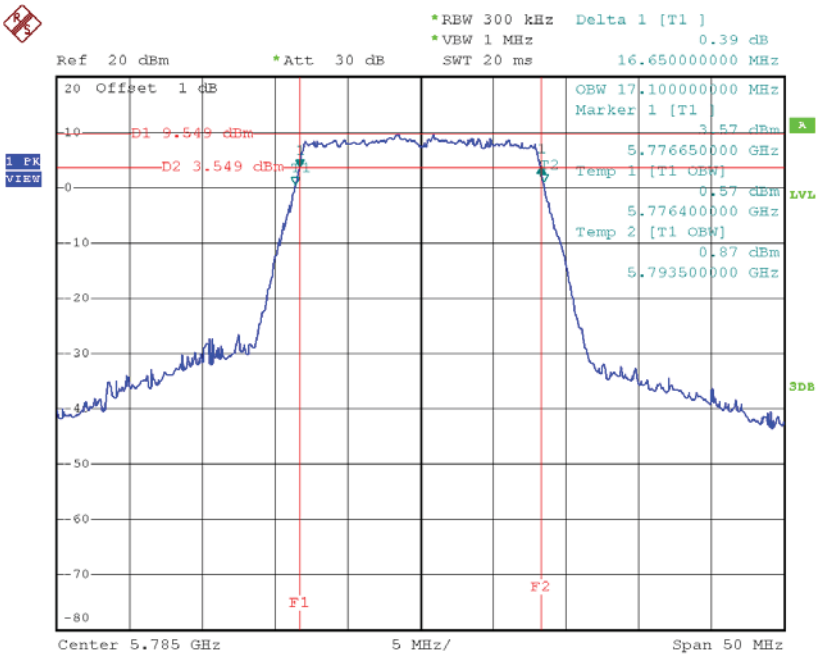
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.65	17.00	>=500
CH157	5785	16.65	17.10	>=500
CH165	5825	14.85	16.70	>=500

TX CH 149



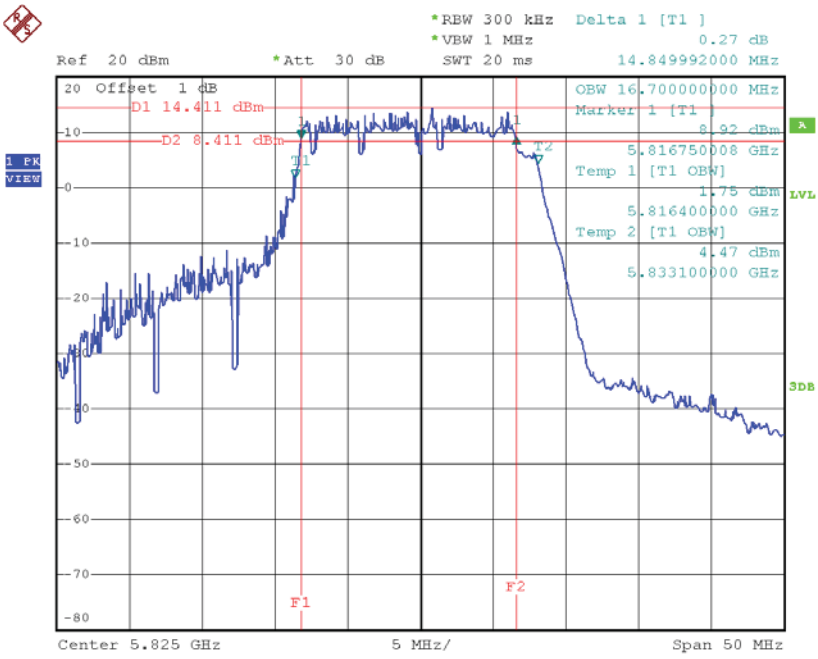
Date: 13.AUG.2015 16:33:27

TX CH 157



Date: 13.AUG.2015 16:36:26

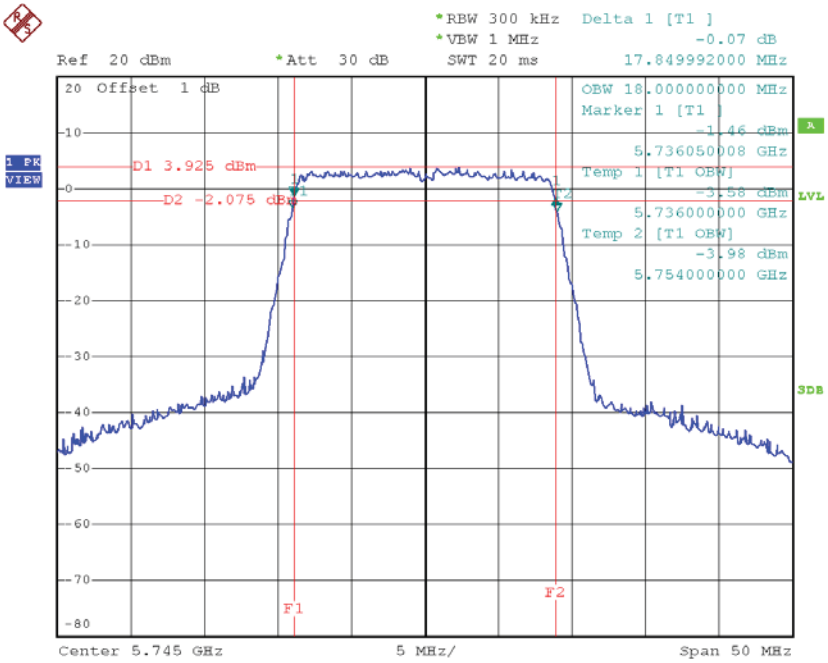
TX CH 165



Date: 13.AUG.2015 16:37:42

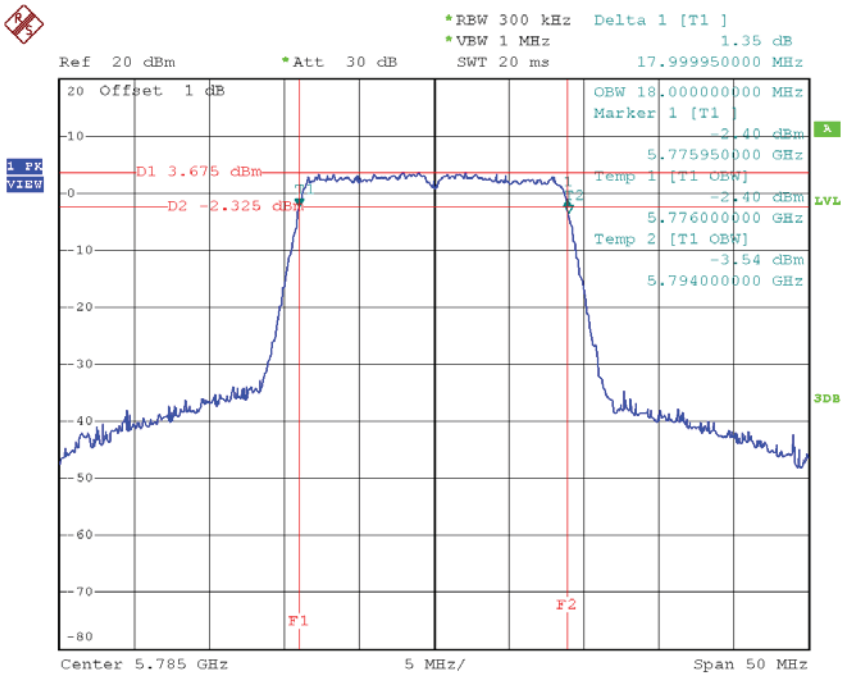
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165				
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.85	18.00	>=500
CH157	5785	18.00	18.00	>=500
CH165	5825	17.65	18.10	>=500

TX CH 149



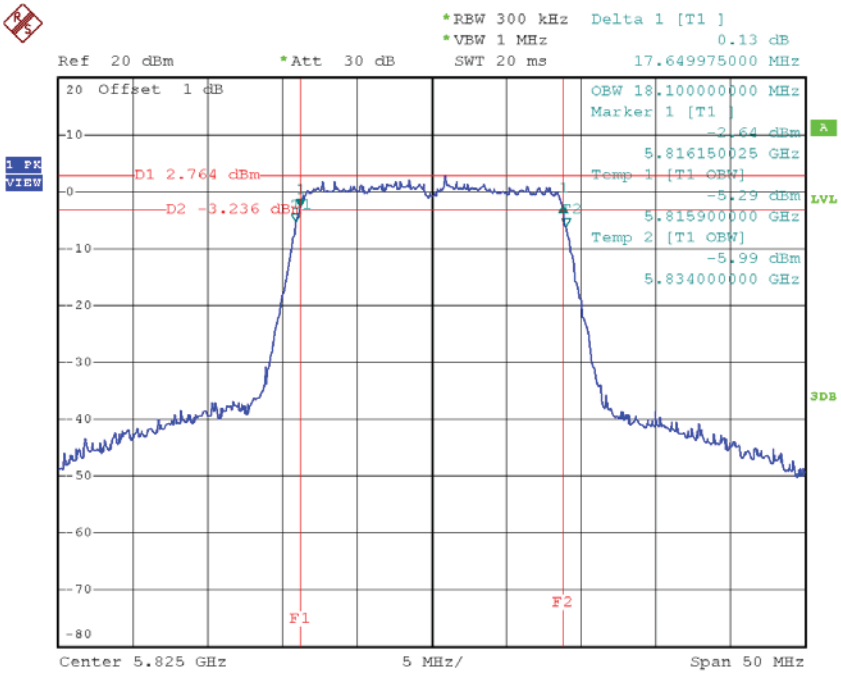
Date: 13.AUG.2015 16:48:35

TX CH 157



Date: 13.AUG.2015 16:49:26

TX CH 165

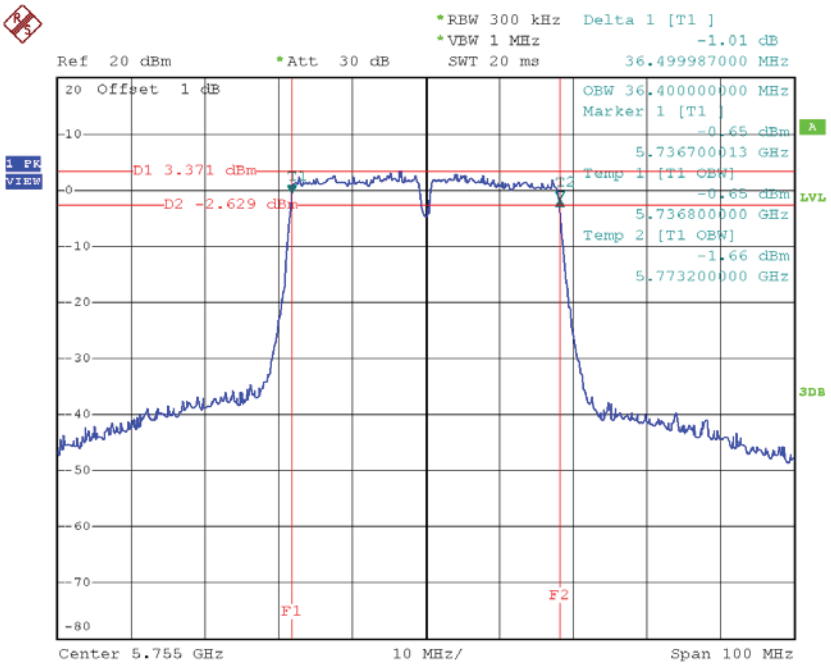


Date: 13.AUG.2015 16:50:18

Test Mode: UNII-3/ TX N40 Mode_CH151/CH159

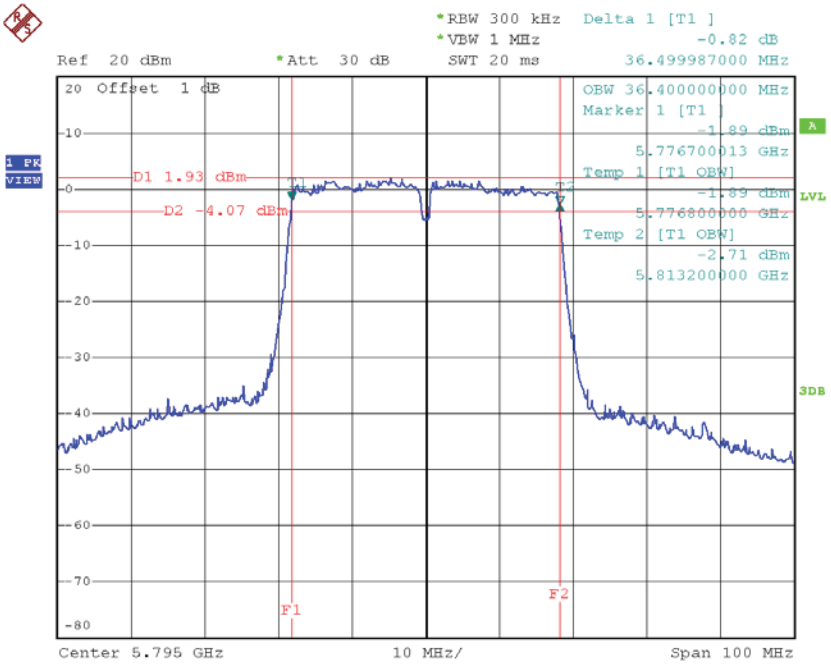
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.50	36.40	>=500
CH159	5795	36.50	36.40	>=500

TX CH 151



Date: 13.AUG.2015 16:58:34

TX CH 159

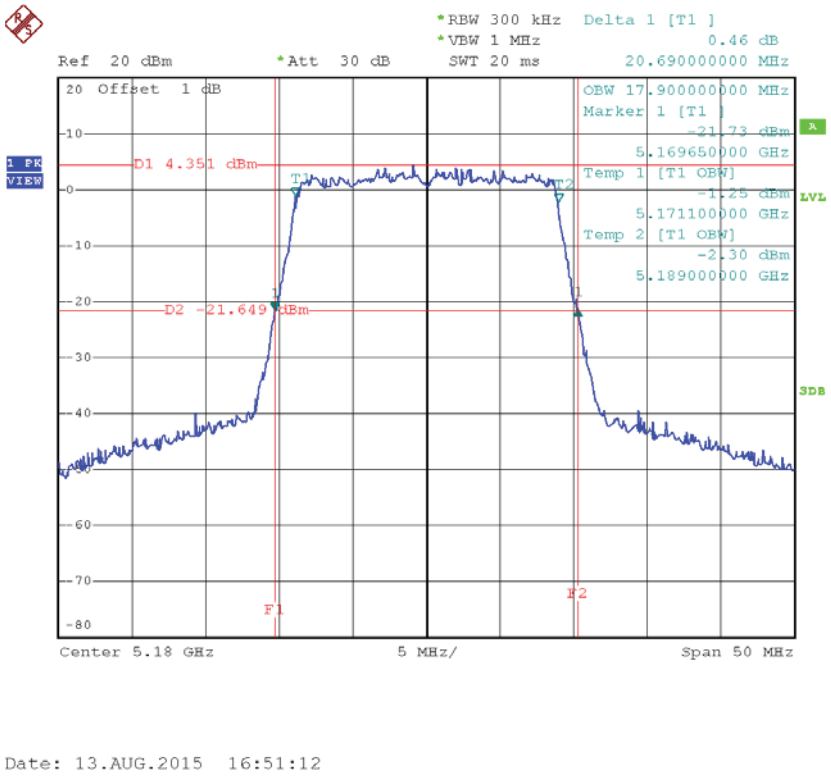


Date: 13.AUG.2015 16:59:20

Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48

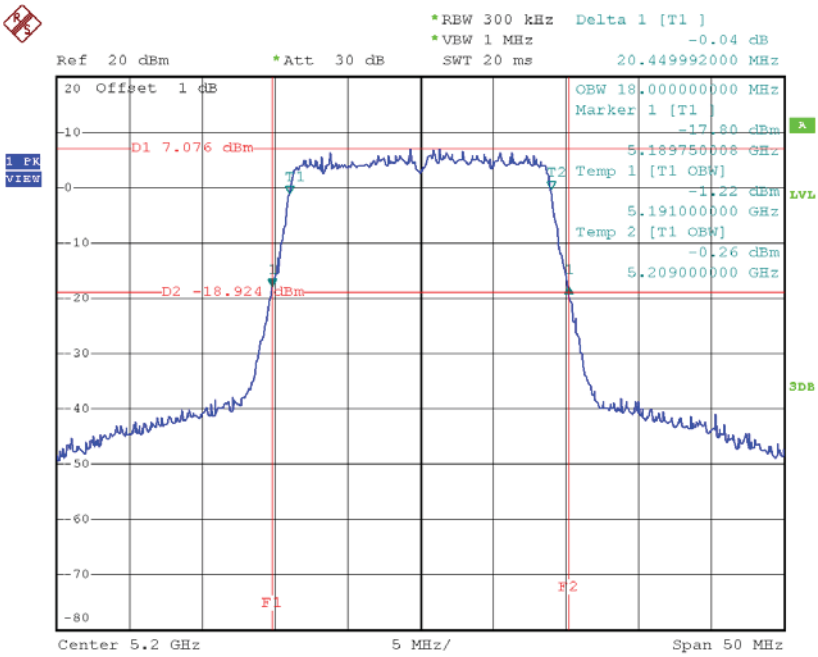
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	20.69	17.90
CH40	5200	20.45	18.00
CH48	5240	20.60	18.00

TX CH36



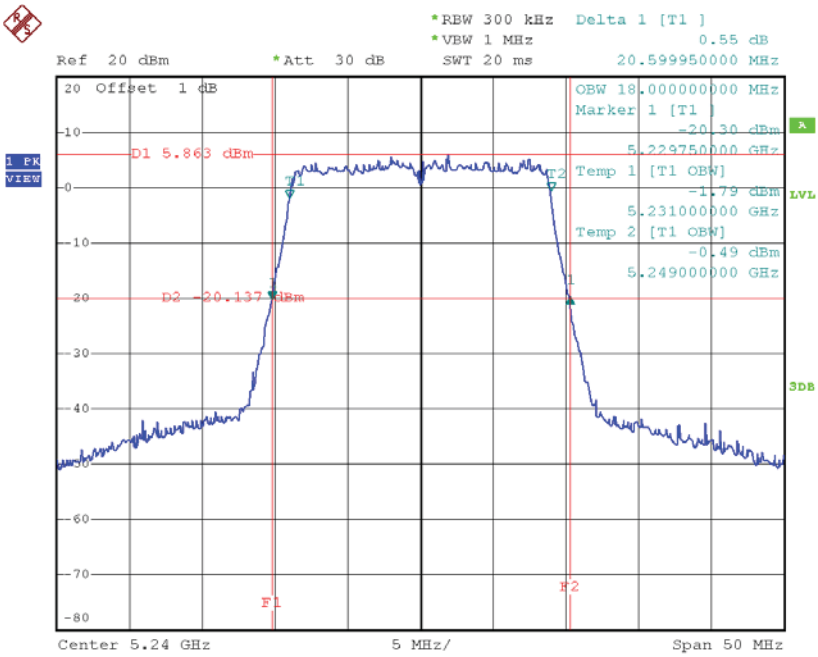
Date: 13.AUG.2015 16:51:12

TX CH40



Date: 13.AUG.2015 16:52:05

TX CH48

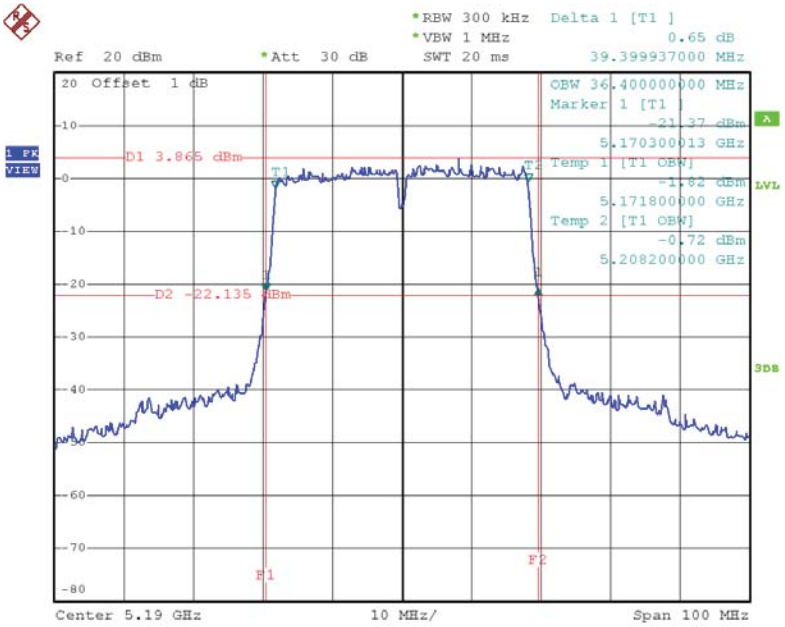


Date: 13.AUG.2015 16:53:05

Test Mode: UNII-1/TX AC40 Mode_CH38/CH46

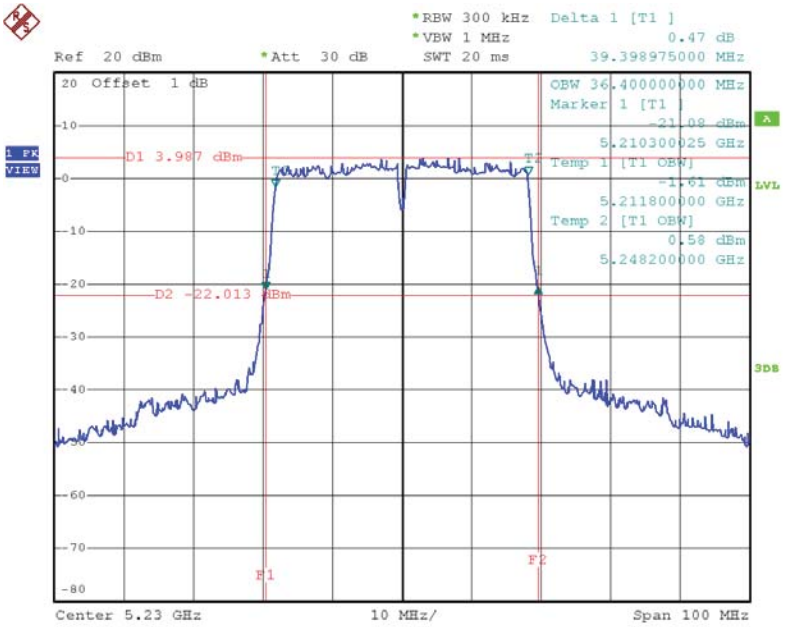
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	39.40	36.40
CH46	5230	39.40	36.40

TX CH38



Date: 13.AUG.2015 17:00:17

TX CH46

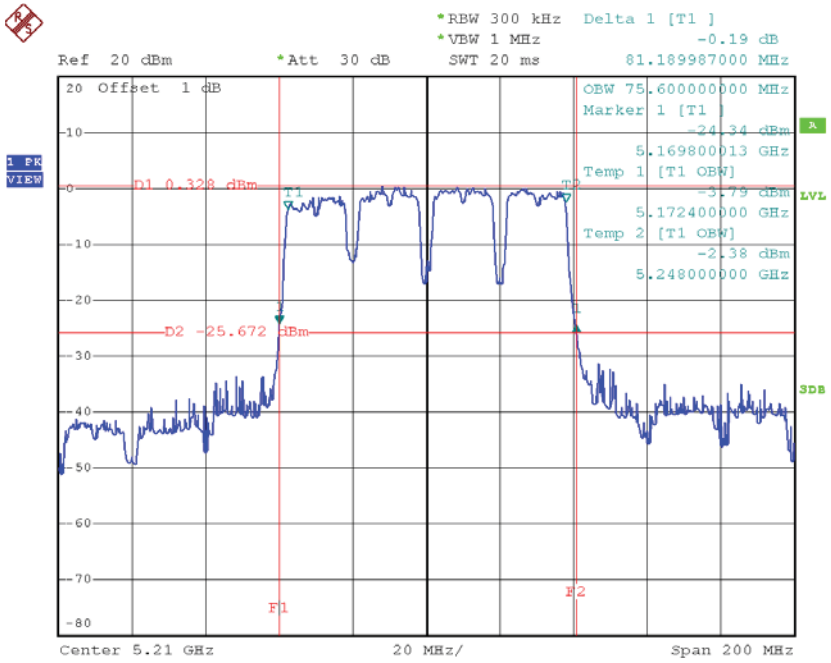


Date: 13.AUG.2015 17:00:59

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	81.19	75.60

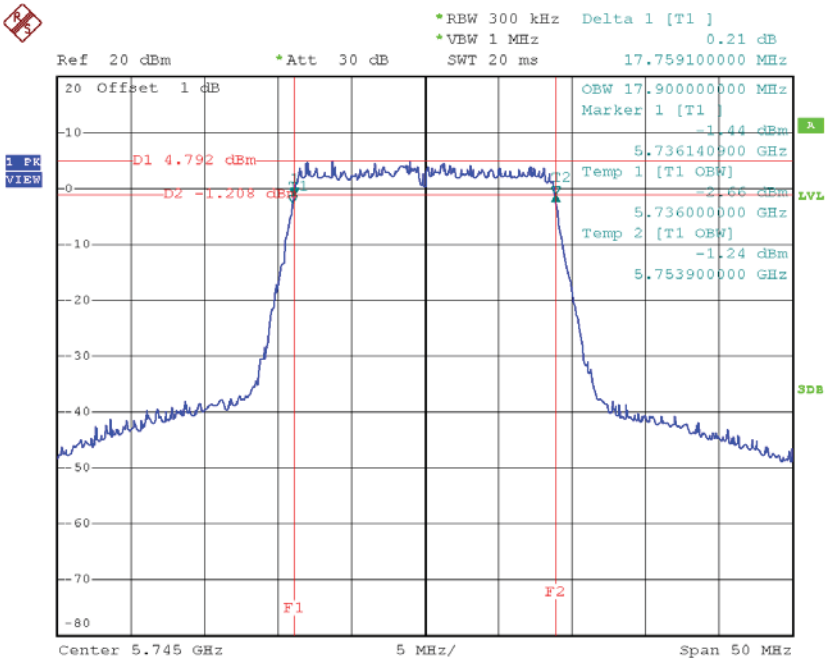
TX CH42



Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165

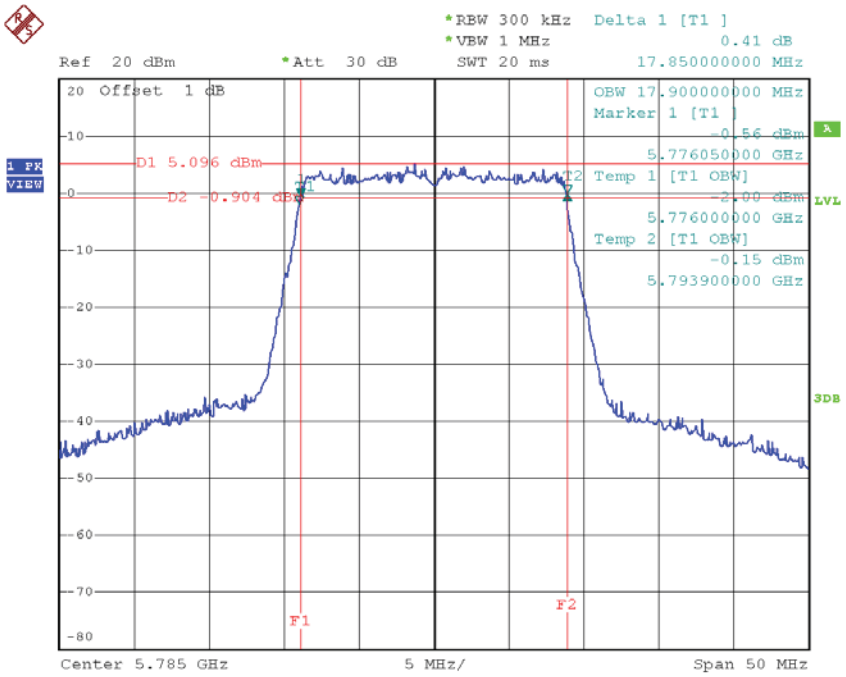
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.76	17.90	>=500
CH157	5785	17.85	17.90	>=500
CH165	5825	17.95	17.90	>=500

TX CH 149



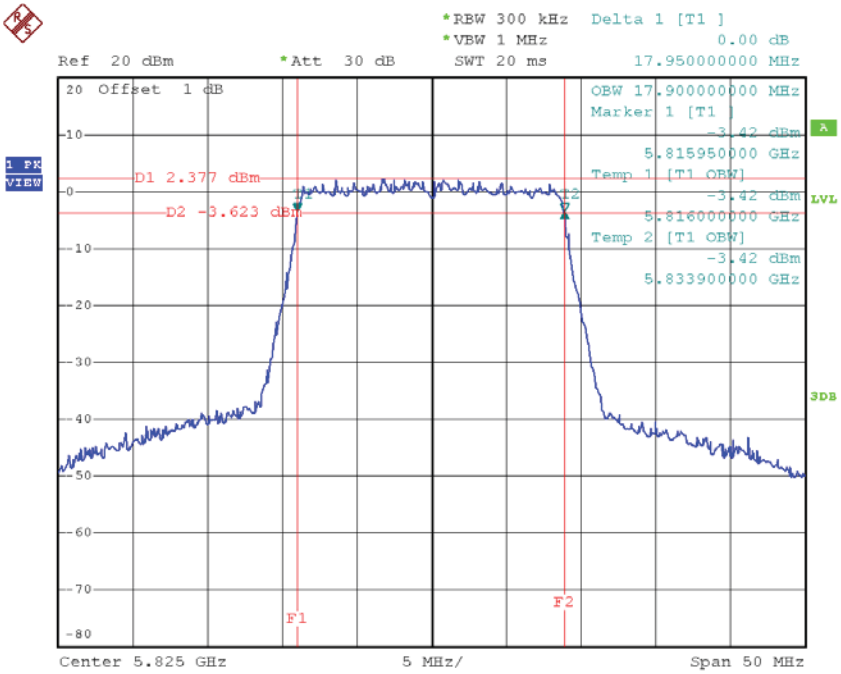
Date: 13.AUG.2015 16:53:57

TX CH 157



Date: 13.AUG.2015 16:54:45

TX CH 165

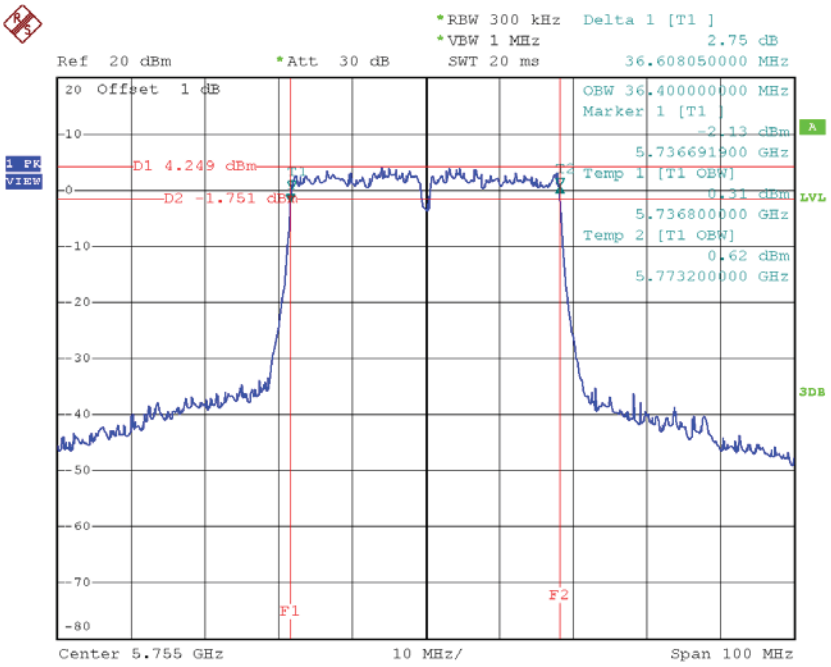


Date: 13.AUG.2015 16:55:32

Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159

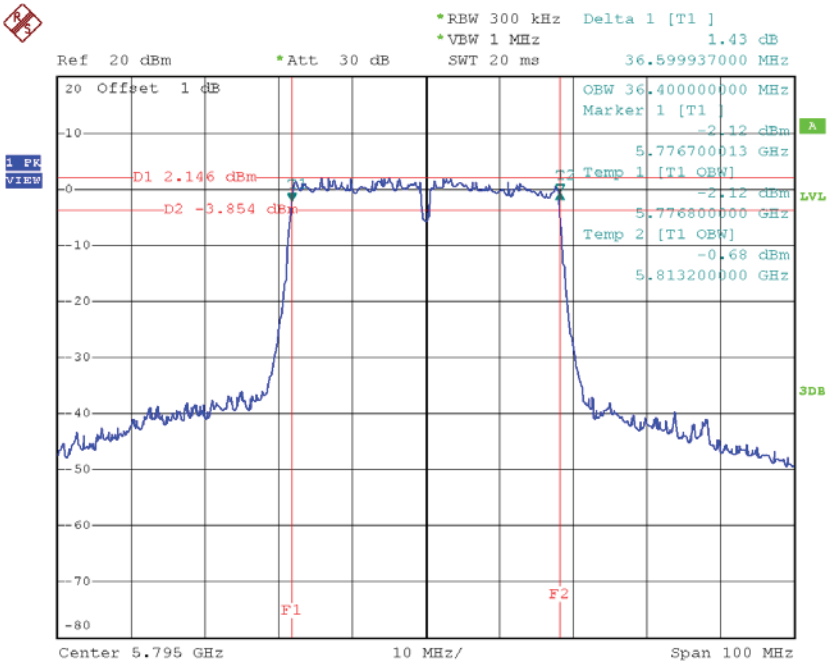
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.61	36.40	>=500
CH159	5795	36.60	36.40	>=500

TX CH 151



Date: 13.AUG.2015 17:02:01

TX CH 159

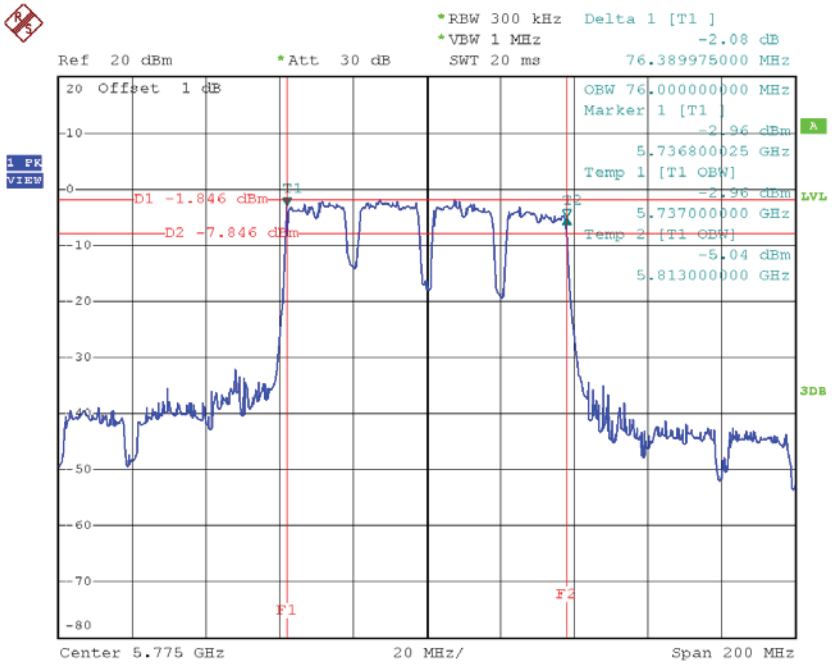


Date: 13.AUG.2015 17:02:50

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	76.39	76.00	>=500

TX CH 155



Date: 13.AUG.2015 17:05:30

ATTACHMENT F - MAXIMUM OUTPUT POWER

Test Mode: UNII-1/TX A Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	15.55	0.04	15.59	30.00	1.00
CH40	5200	17.71	0.04	17.75	30.00	1.00
CH48	5240	17.52	0.04	17.56	30.00	1.00

Test Mode: UNII-1/TX N20 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	14.29	0.47	14.76	28.23	0.67
CH40	5200	16.43	0.47	16.90	28.23	0.67
CH48	5240	16.31	0.47	16.78	28.23	0.67

Test Mode: UNII-1/TX N20 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	13.76	0.47	14.23	28.23	0.67
CH40	5200	15.97	0.47	16.44	28.23	0.67
CH48	5240	15.51	0.47	15.98	28.23	0.67

Test Mode: UNII-1/TX N20 Mode_ANT 3						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	13.97	0.47	14.44	28.23	0.67
CH40	5200	15.27	0.47	15.74	28.23	0.67
CH48	5240	15.83	0.47	16.30	28.23	0.67

Test Mode: UNII-1/TX N20 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	19.25	28.23	0.67
CH40	5200	21.16	28.23	0.67
CH48	5240	21.14	28.23	0.67

Test Mode: UNII-1/TX N40 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	13.32	0.83	14.15	28.23	0.67
CH46	5230	13.83	0.83	14.66	28.23	0.67

Test Mode: UNII-1/TX N40 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	12.65	0.83	13.48	28.23	0.67
CH46	5230	13.46	0.83	14.29	28.23	0.67

Test Mode: UNII-1/TX N40 Mode_ANT 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	13.05	0.83	13.88	28.23	0.67
CH46	5230	13.72	0.83	14.55	28.23	0.67

Test Mode: UNII-1/TX N40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	18.62	28.23	0.67
CH46	5230	19.27	28.23	0.67

Test Mode: UNII-3/ TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	18.24	0.04	18.28	30.00	1.00
CH157	5785	17.61	0.04	17.65	30.00	1.00
CH165	5825	15.97	0.04	16.01	30.00	1.00

Test Mode: UNII-3/TX N20 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	11.85	0.47	12.32	28.23	0.67
CH157	5785	12.18	0.47	12.65	28.23	0.67
CH165	5825	10.49	0.47	10.96	28.23	0.67

Test Mode: UNII-3/TX N20 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	10.37	0.47	10.84	28.23	0.67
CH157	5785	10.87	0.47	11.34	28.23	0.67
CH165	5825	9.27	0.47	9.74	28.23	0.67

Test Mode: UNII-3/TX N20 Mode_ANT 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	10.87	0.47	11.34	28.23	0.67
CH157	5785	11.01	0.47	11.48	28.23	0.67
CH165	5825	9.81	0.47	10.28	28.23	0.67

Test Mode: UNII-3/TX N20 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	16.32	28.23	0.67
CH157	5785	16.64	28.23	0.67
CH165	5825	15.13	28.23	0.67

Test Mode: UNII-3/ TX N40 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	13.61	0.83	14.44	28.23	0.67
CH159	5795	12.44	0.83	13.27	28.23	0.67

Test Mode: UNII-3/ TX N40 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	12.72	0.83	13.55	28.23	0.67
CH159	5795	11.63	0.83	12.46	28.23	0.67

Test Mode: UNII-3/ TX N40 Mode_ANT 3						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	12.66	0.83	13.49	28.23	0.67
CH159	5795	12.25	0.83	13.08	28.23	0.67

Test Mode: UNII-3/ TX N40 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	18.62	28.23	0.67
CH159	5795	17.72	28.23	0.67

Test Mode: UNII-1/TX AC20 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	11.25	0.00	11.25	28.23	0.67
CH40	5200	13.45	0.00	13.45	28.23	0.67
CH48	5240	12.31	0.00	12.31	28.23	0.67

Test Mode: UNII-1/TX AC20 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	10.12	0.00	10.12	28.23	0.67
CH40	5200	12.78	0.00	12.78	28.23	0.67
CH48	5240	11.25	0.00	11.25	28.23	0.67

Test Mode: UNII-1/TX AC20 Mode_ANT 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	10.46	0.00	10.46	28.23	0.67
CH40	5200	13.15	0.00	13.15	28.23	0.67
CH48	5240	11.85	0.00	11.85	28.23	0.67

Test Mode: UNII-1/TX AC20 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	15.41	28.23	0.67
CH40	5200	17.91	28.23	0.67
CH48	5240	16.60	28.23	0.67

Test Mode: UNII-1/TX AC40 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	13.25	0.38	13.63	28.23	0.67
CH46	5230	13.55	0.38	13.93	28.23	0.67

Test Mode: UNII-1/TX AC40 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	12.46	0.38	12.84	28.23	0.67
CH46	5230	12.91	0.38	13.29	28.23	0.67

Test Mode: UNII-1/TX AC40 Mode_ANT 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	12.94	0.38	13.32	28.23	0.67
CH46	5230	13.14	0.38	13.52	28.23	0.67

Test Mode: UNII-1/TX AC40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	18.05	28.23	0.67
CH46	5230	18.36	28.23	0.67

Test Mode: UNII-1/TX AC80 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	12.17	0.46	12.63	28.23	0.67

Test Mode: UNII-1/TX AC80 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	12.74	0.46	13.20	28.23	0.67

Test Mode: UNII-1/TX AC80 Mode_ANT 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	13.29	0.46	13.75	28.23	0.67

Test Mode: UNII-1/TX AC80 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	17.99	28.23	0.67

Test Mode: UNII-3/TX AC20 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	11.67	0.00	11.67	28.23	0.67
CH157	5785	11.81	0.00	11.81	28.23	0.67
CH165	5825	9.91	0.00	9.91	28.23	0.67

Test Mode: UNII-3/TX AC20 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	10.09	0.00	10.09	28.23	0.67
CH157	5785	10.79	0.00	10.79	28.23	0.67
CH165	5825	8.25	0.00	8.25	28.23	0.67

Test Mode: UNII-3/TX AC20 Mode_ANT 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	10.71	0.00	10.71	28.23	0.67
CH157	5785	10.98	0.00	10.98	28.23	0.67
CH165	5825	8.65	0.00	8.65	28.23	0.67

Test Mode: UNII-3/TX AC20 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	15.64	28.23	0.67
CH157	5785	15.99	28.23	0.67
CH165	5825	13.77	28.23	0.67

Test Mode: UNII-3/TX AC40 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	13.77	0.38	14.15	28.23	0.67
CH159	5795	12.46	0.38	12.84	28.23	0.67

Test Mode: UNII-3/TX AC40 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	13.05	0.38	13.43	28.23	0.67
CH159	5795	11.76	0.38	12.14	28.23	0.67

Test Mode: UNII-3/TX AC40 Mode_ANT 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	13.15	0.38	13.53	28.23	0.67
CH159	5795	12.21	0.38	12.59	28.23	0.67

Test Mode: UNII-3/TX AC40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	18.49	28.23	0.67
CH159	5795	17.30	28.23	0.67

Test Mode: UNII-3/TX AC80 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	10.76	0.46	11.22	28.23	0.67

Test Mode: UNII-3/TX AC80 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	10.11	0.46	10.57	28.23	0.67

Test Mode: UNII-3/TX AC80 Mode_ANT 3

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	10.82	0.46	11.28	28.23	0.67

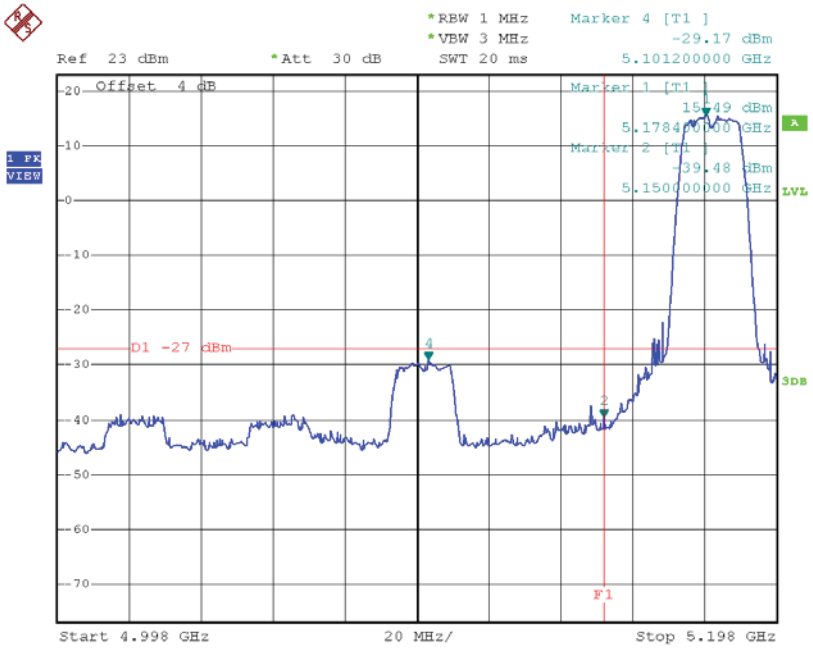
Test Mode: UNII-3/TX AC80 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	15.81	28.23	0.67

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

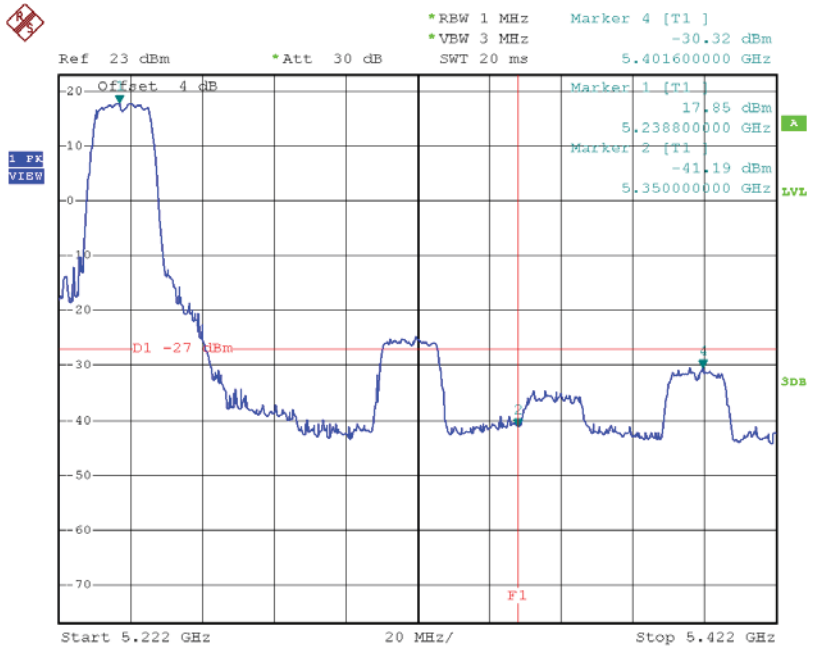
Test Mode:	UNII-1/TX A Mode

TX mode CH36



Date: 13.AUG.2015 16:27:07

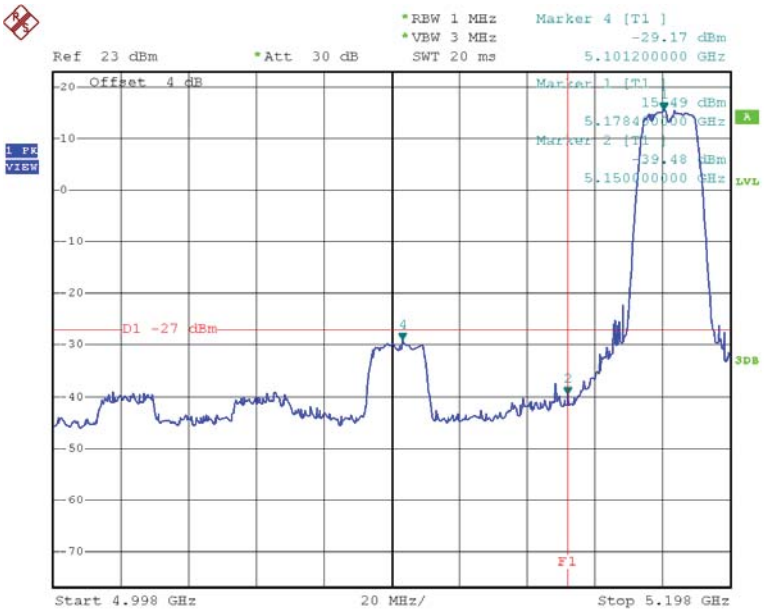
TX mode CH48



Date: 13.AUG.2015 16:30:58

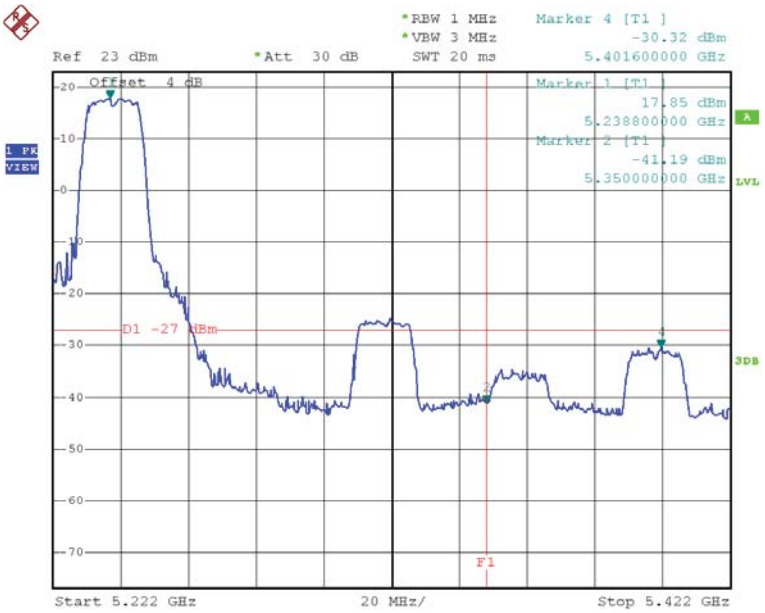
Test Mode:	UNII-3/TX A Mode

TX A Mode CH149



Date: 13.AUG.2015 16:27:07

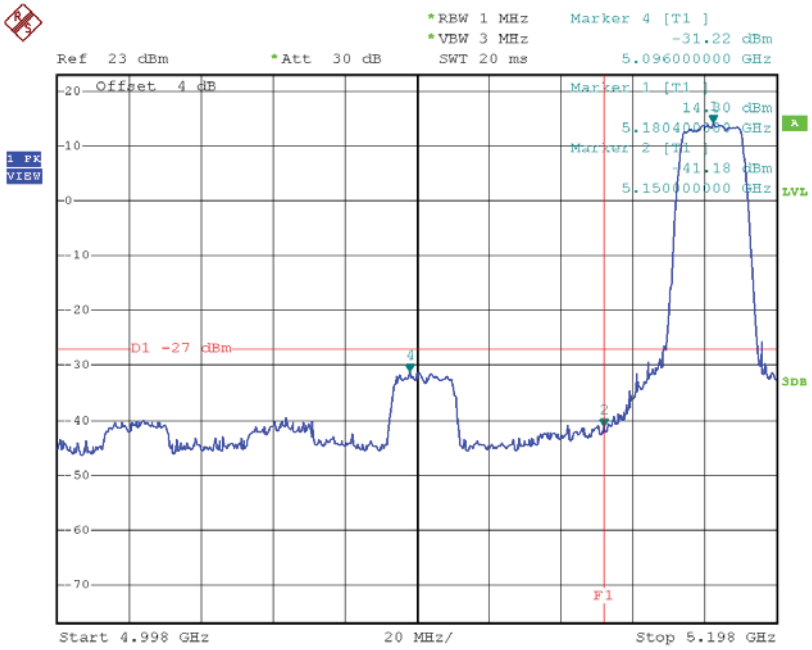
TX A Mode CH165



Date: 13.AUG.2015 16:30:58

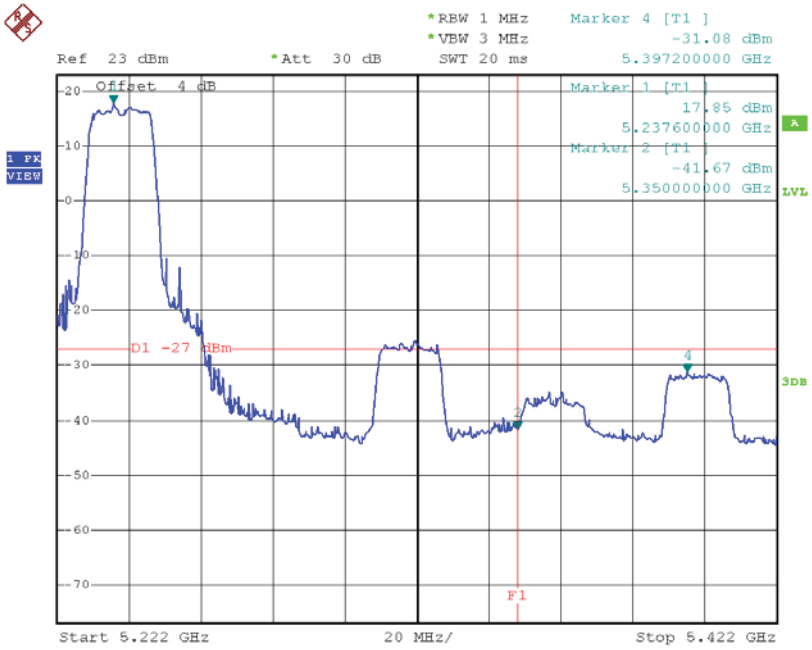
Test Mode:	UNII-1/TX N20 Mode

TX mode CH36



Date: 13.AUG.2015 19:03:26

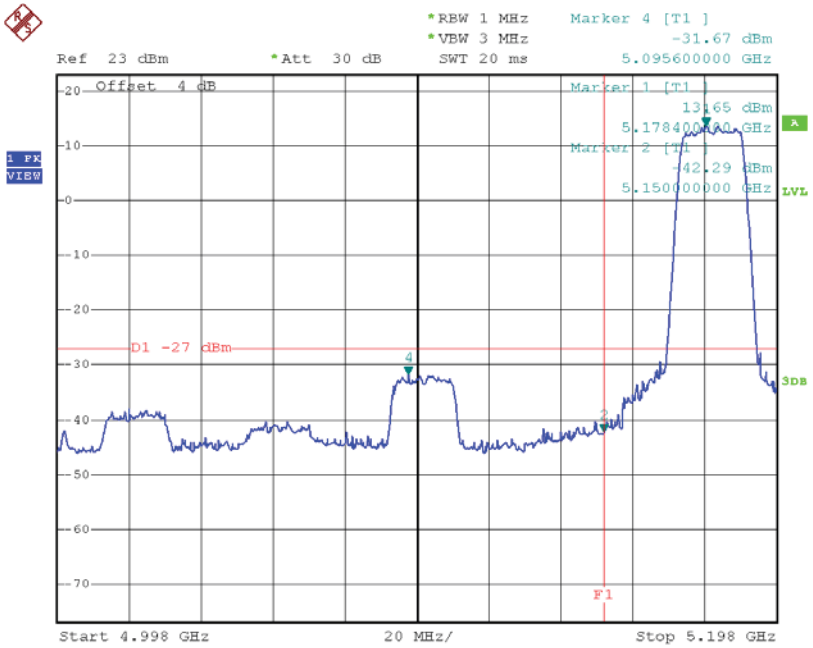
TX mode CH48



Date: 13.AUG.2015 19:05:08

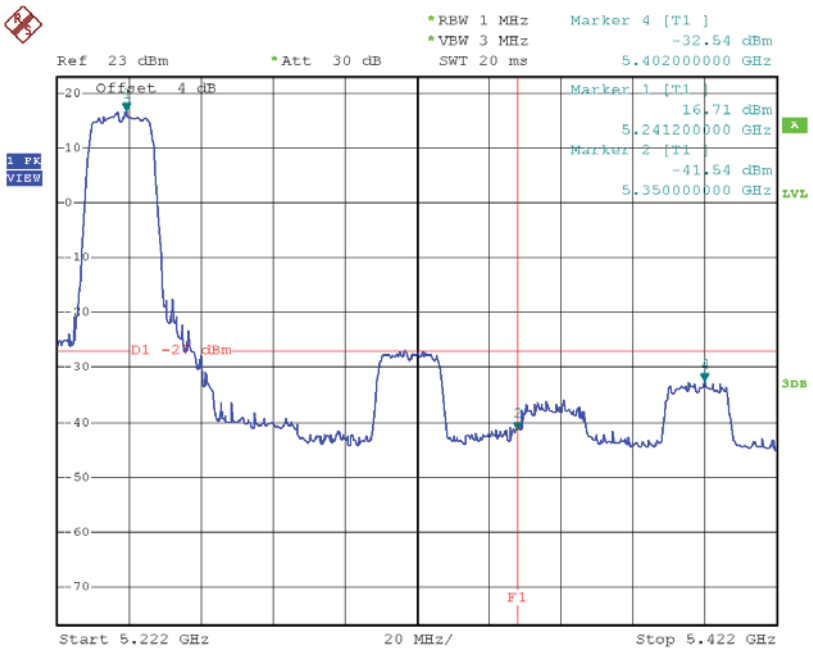
Test Mode:	UNII-1/TX N20 Mode_ANT 2

TX mode CH36



Date: 13.AUG.2015 19:22:22

TX mode CH48



Date: 13.AUG.2015 19:23:31