FCC Radio Test Report

FCC ID: V7TAC6

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

Project No.	:	1609C013
Equipment	:	AC1200 Smart Dual-Band WiFi Router
Model Name	:	AC6
Applicant	:	SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address	:	6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

Date of Receipt	:	Sep. 02, 2016
Date of Test	:	Sep. 02, 2016
Issued Date	:	Sep. 20, 2016
Tested by	:	BTL Inc.

Testing Engineer : Shawn Xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

Authorized Signatory : Steven Lu
(Steven Lu)

BTL INC.

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Declaration

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Limitation

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

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1609C013	Original Issue.	Sep. 20, 2016

1. CERTIFICATION

Equipment	:	AC1200 Smart Dual-Band WiFi Router
Brand Name	:	Tenda
Model Name	:	AC6
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	:	Sep. 02, 2016
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-2-1609C013) 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):

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

NOTE:

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

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	AC1200 Smart Dual-Band WiFi Router	
Brand Name	Tenda	
Model Name	AC6	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	300Mbps
Power Source	DC voltage supplied from AC/DC adapter. Manufacturer: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO.,LTD Model Name:BN036-A12012U	
Power Rating	IP: 100-240V~50/60Hz 0.4A OP:12V⎓1.0A	
Output Power	Output Power (Max.)for UNII-1 (1TX)	802.11a: 25.37dBm
	Output Power (Max.)for UNII-3 (1TX)	802.11a: 27.08dBm
Output Power	Output Power (Max.)for UNII-1 (2TX)	802.11n (20M): 26.92dBm 802.11n (40M): 23.38dBm 802.11ac (20M): 27.21dBm 802.11ac (40M): 24.06dBm 802.11ac (80M): 22.14dBm
	Output Power (Max.)for UNII-3 (2TX)	802.11n (20M): 27.45dBm 802.11n (40M): 27.89dBm 802.11ac (20M): 28.29dBm 802.11ac (40M): 28.17dBm 802.11ac (80M): 28.12dBm

Note:

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

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

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

3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Tenda	N/A	Dipole	N/A	5	TX/RX
2	Tenda	N/A	Dipole	N/A	5	TX/RX

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT}, that is Directional gain=5.

4.

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

ANT 1 for 1TX was found to be the worst case and recorded

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

For Radiated Test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 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 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	MTOOL		
Frequency (MHz)	5180	5200	5240
A Mode	73	80	95

UNII-3 - 1TX			
Test Software Version	MTOOL		
Frequency (MHz)	5745	5785	5825
A Mode	104	103	100

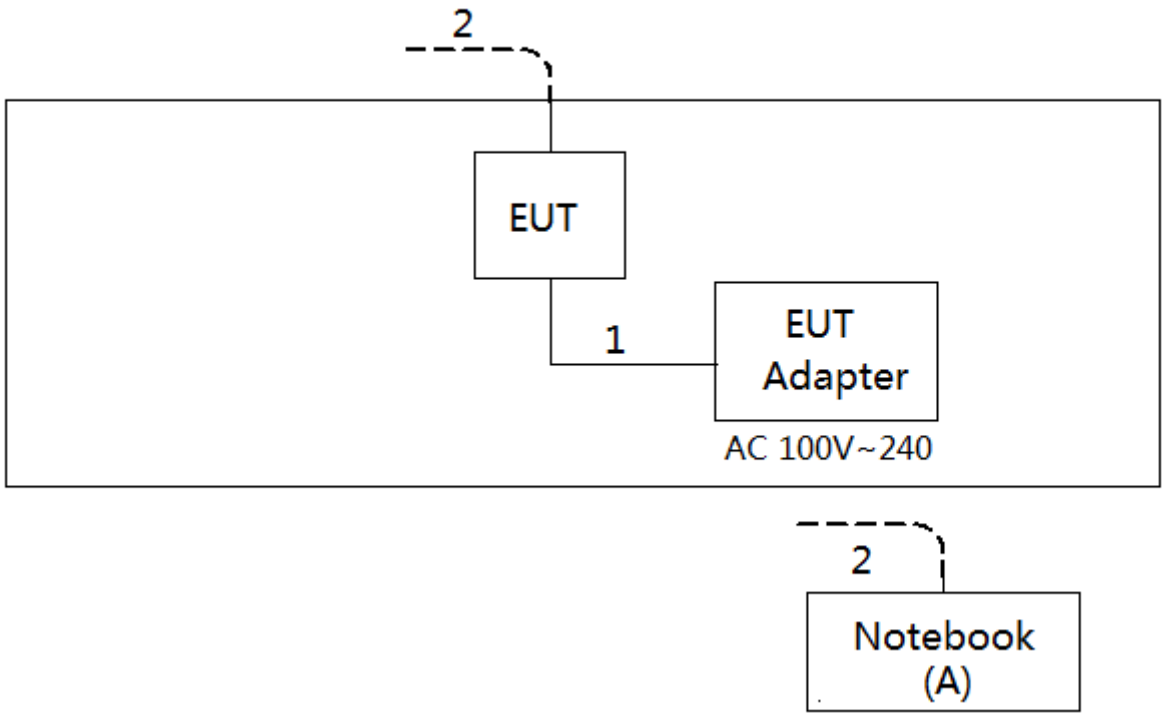
UNII-1 - 2TX			
Test Software Version	MTOOL		
Frequency (MHz)	5180	5200	5240
N20 Mode	73	80	95
Frequency (MHz)	5190	5230	
N40 Mode	73	83	

UNII-3 - 2TX			
Test Software Version	MTOOL		
Frequency (MHz)	5745	5785	5825
N20 Mode	97	94	91
Frequency (MHz)	5755	5795	
N40 Mode	100	98	

UNII-1 - 2TX			
Test Software Version	MTOOL		
Frequency (MHz)	5180	5200	5240
AC20 Mode	75	80	93
Frequency (MHz)	5190	5230	
AC40 Mode	73	83	
Frequency (MHz)	5210		
AC80 Mode	73		

UNII-3 - 2TX			
Test Software Version	MTOOL		
Frequency (MHz)	5745	5785	5825
AC20 Mode	98	94	93
Frequency (MHz)	5755	5795	
AC40 Mode	99	96	
Frequency (MHz)	5775		
AC80 Mode	99		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	Notebook	DELL	745	DOC	G7K832X

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.5m	DC Cable
2	YES	YES	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.

4.1.2 TEST PROCEDURE

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

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

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

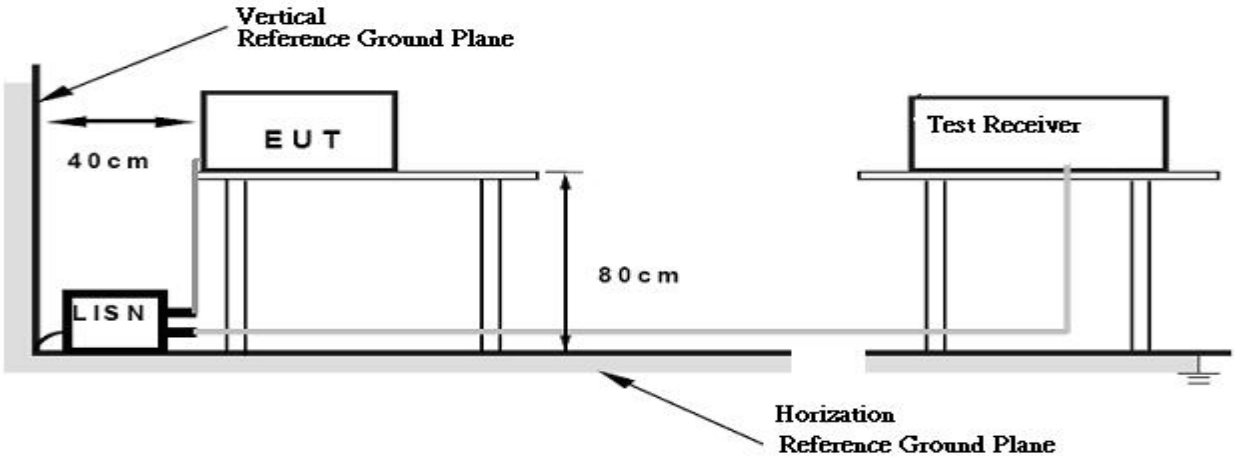
d. LISN at least 80 cm from nearest part of EUT chassis.

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the 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

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3
5250-5350	-27	68.3
5470-5725	-27	68.3
5725-5850	-27(Note 2)	68.3
	10(Note 2)	105.3
	15.6(Note 2)	110.9
	27(Note 2)	122.3

Note:

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

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

4.2.2 TEST PROCEDURE

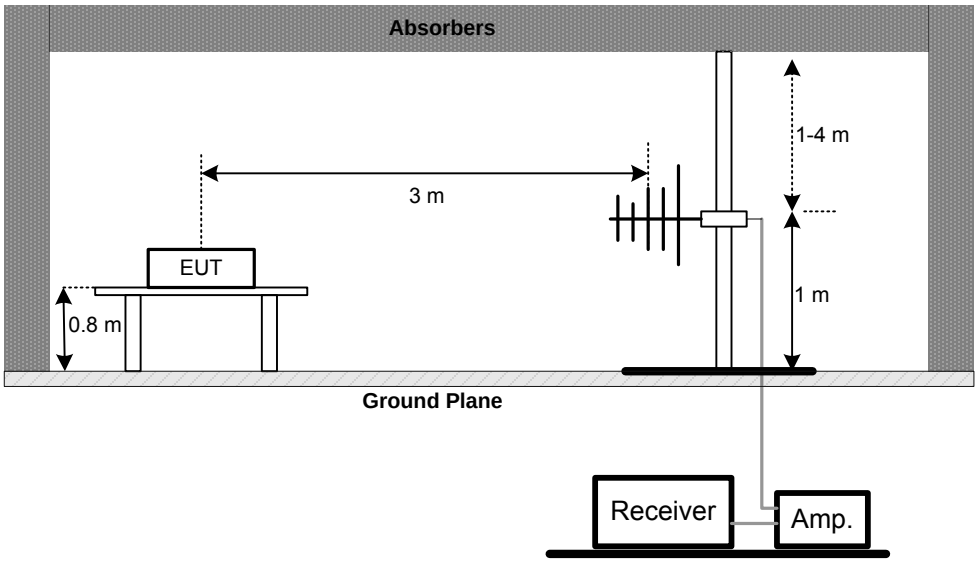
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

4.2.3 DEVIATION FROM TEST STANDARD

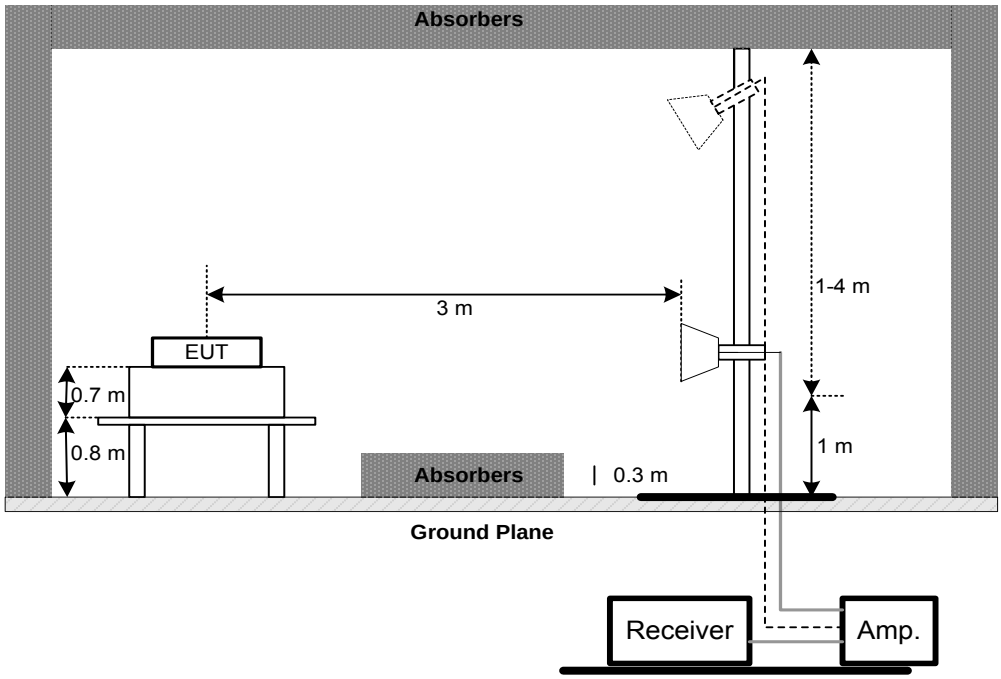
No deviation

4.2.4 TEST SETUP

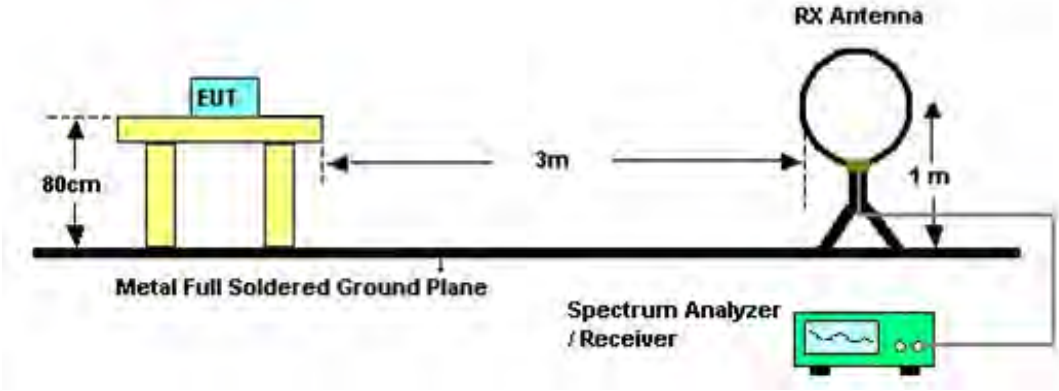
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



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



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

Temperature: 24°C Relative Humidity: 52% 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.

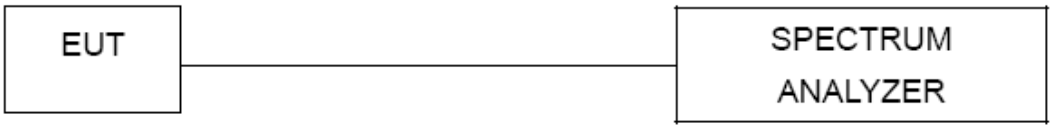
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz
VBW	1000 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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: 25°C Relative Humidity: 60% 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) Client: 250mW (24dBm)	5150-5250	PASS
	1 Watt (30dBm)	5725-5850	PASS
Note: The maximum e.i.r.p at anyelevation angle above 30 degrees as measured from the horizon must not exceed 125mW(21dBm)			

6.1.1 TEST PROCEDURE

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

b.

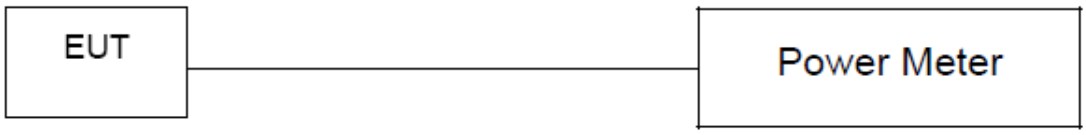
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

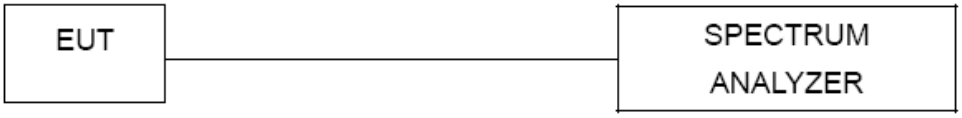
Note:

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

7.1.1 DEVIATION FROM STANDARD

No deviation.

7.1.2 TEST SETUP



7.1.3 EUT OPERATION CONDITIONS

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

7.1.4 EUT TEST CONDITIONS

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

7.1.5 TEST RESULTS

Please refer to the Attachment H.

8. FREQUENCY STABILITY MEASUREMENT

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

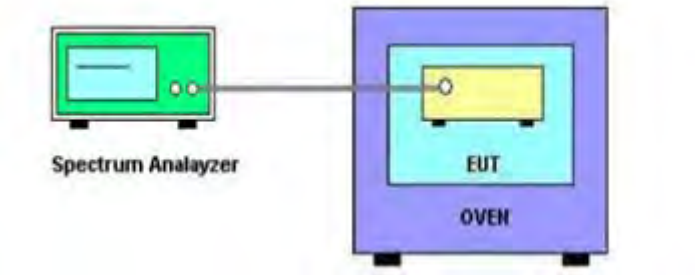
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is 0°C~40°C.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment I.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	52765	Mar. 27, 2017
2	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 27, 2017
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 27, 2017
4	Cable	emci	RG223(9KHz-30 MHz)(5m)	N/A	Mar. 10, 2017
5	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	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 05, 2017
2	EMI Test Receiver	R&S	ESCI	100895	Mar. 27, 2017
3	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017
4	Amplifier	HP	8447D	2944A09673	Nov. 09, 2016
5	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
6	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	Jun. 27, 2017
7	Controller	CT	SC100	N/A	N/A
8	Controller	MF	MF-7802	MF780208416	N/A
9	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 27, 2017
10	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
11	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2016
12	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
13	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
14	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
15	Controller	CT	SC100	N/A	N/A
16	Controller	MF	MF-7802	MF780208416	N/A
17	Cable	emci	EMC104-SM-SM-12000(12m)	N/A	Jul. 06, 2017
18	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Apr. 26, 2017
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Apr. 26, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017
2	Const Temp,& Humidity Chamber	Giant Force	ITH-225-20-S	IAB0309-001	Dec. 04, 2016

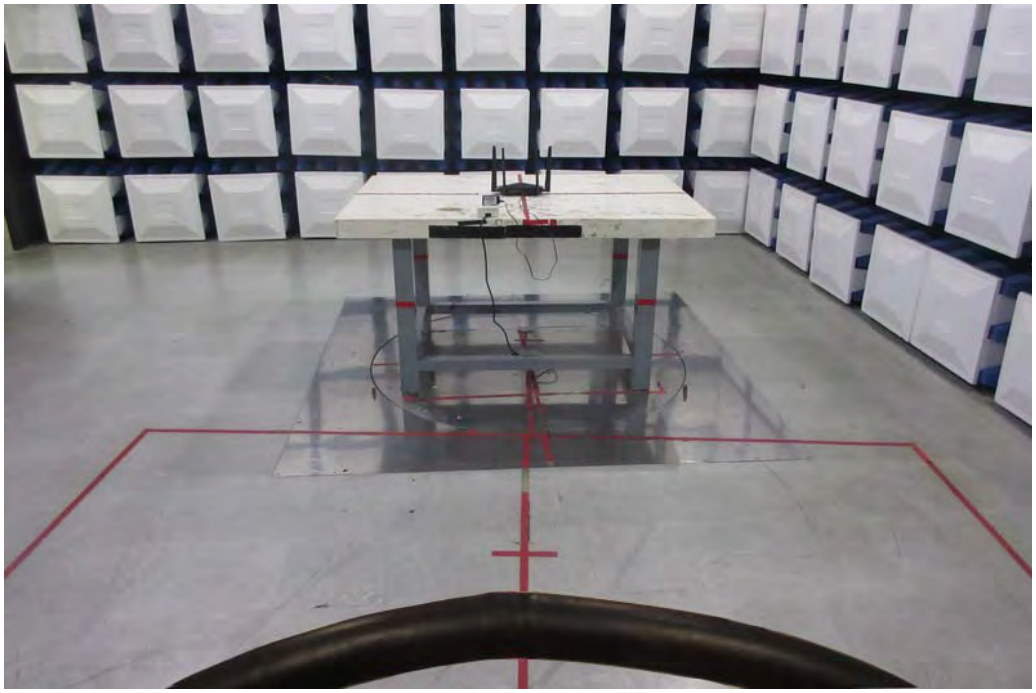
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

10. EUT TEST PHOTOS

Conducted Measurement Photos

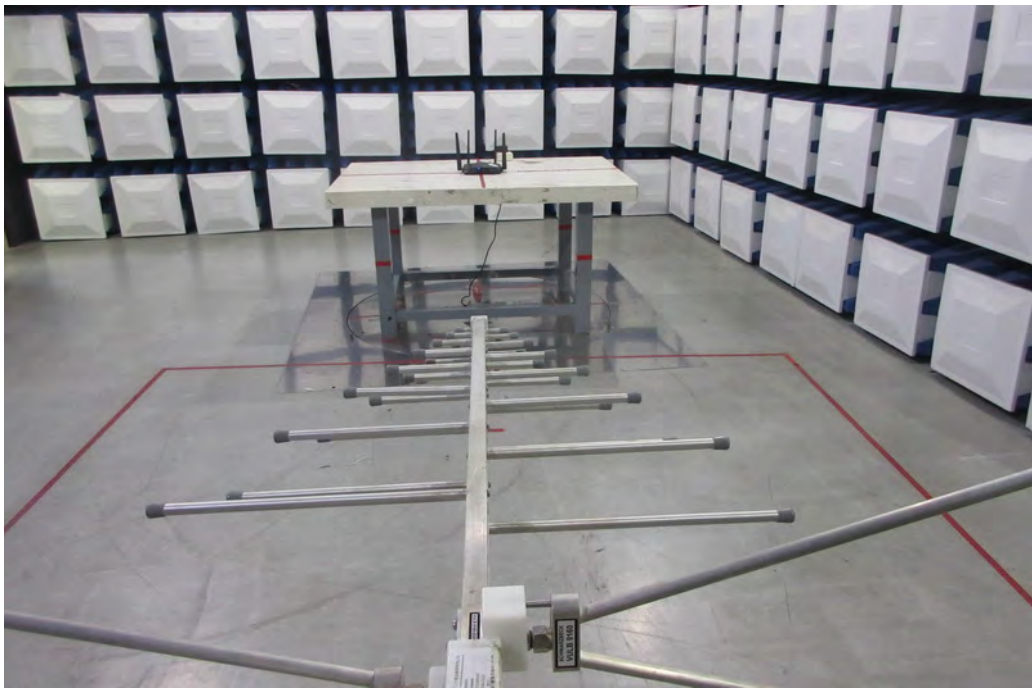
Radiated Measurement Photos

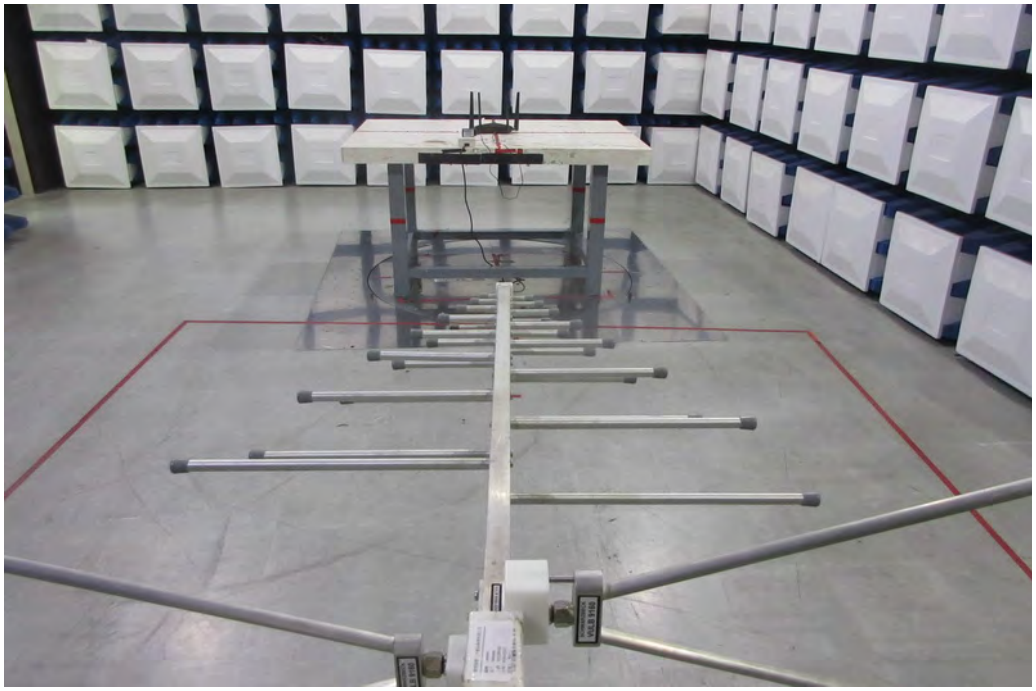
9KHz to 30MHz



Radiated Measurement Photos

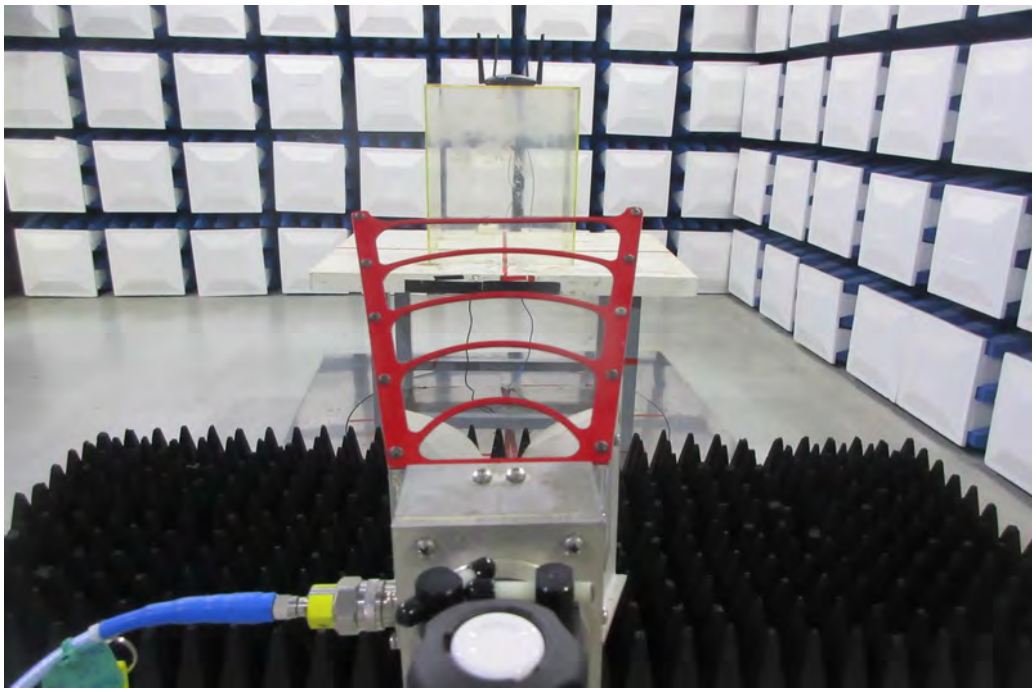
30MHz to 1000MHz

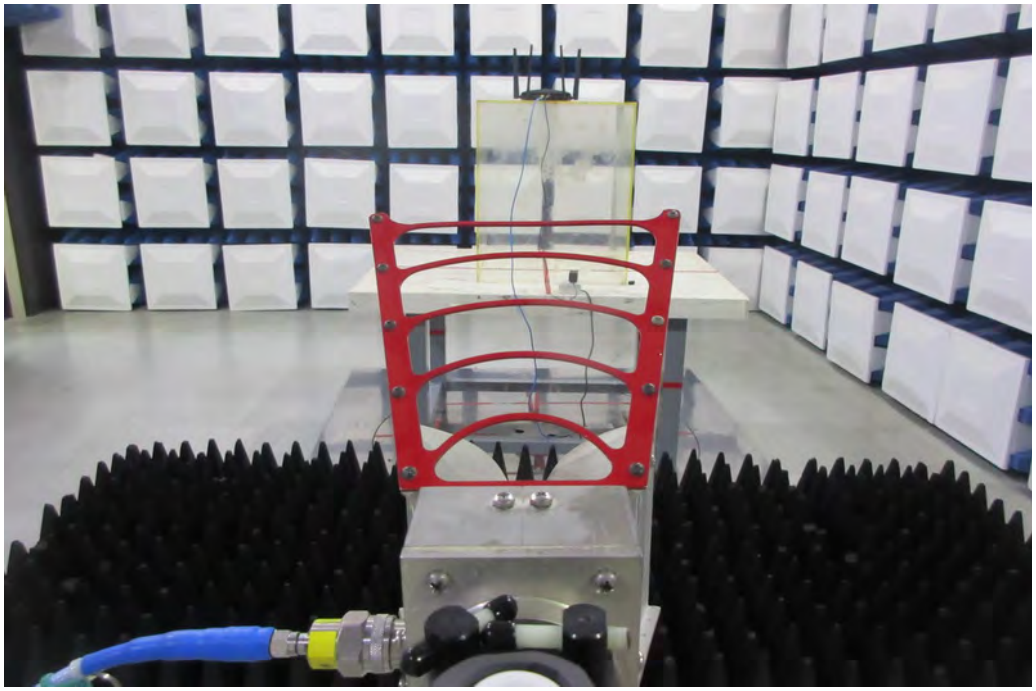




Radiated Measurement Photos

Above 1000MHz

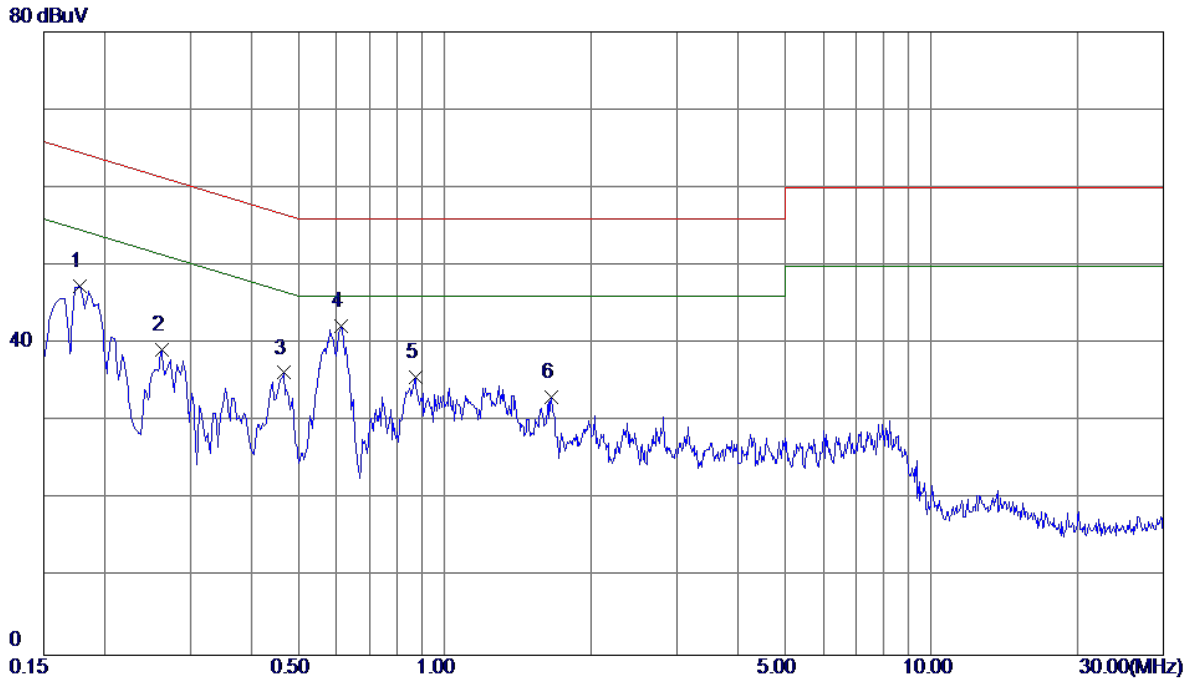




ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX MODE

Line

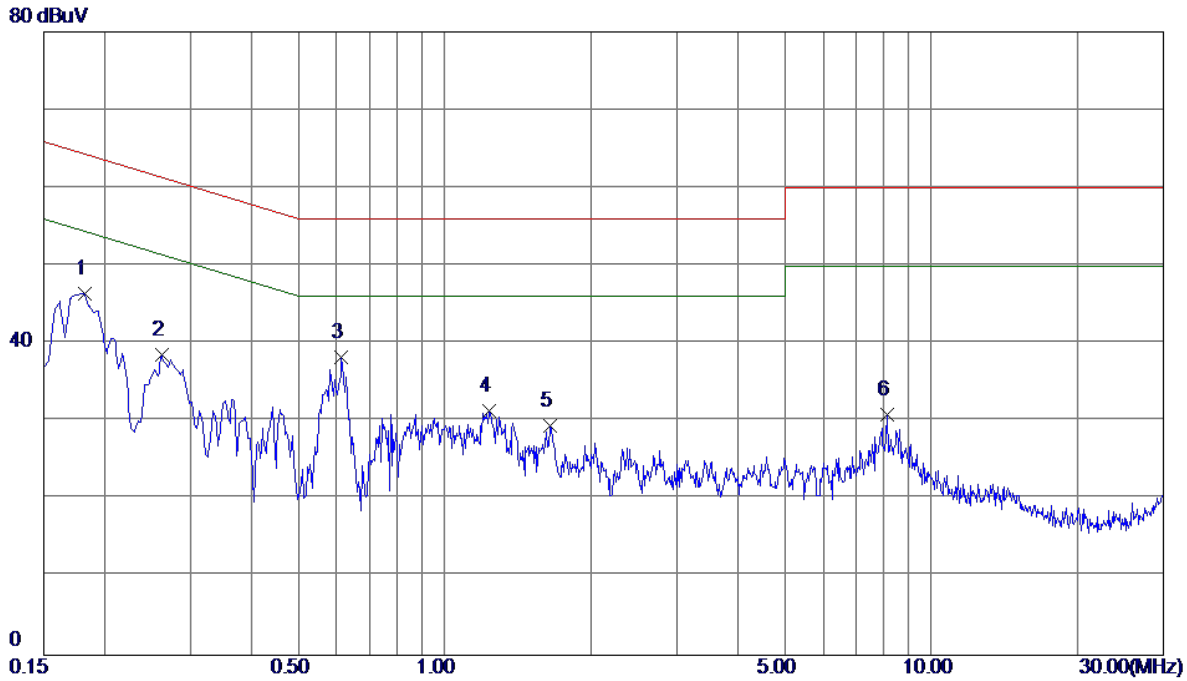


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1780	37.90	9.53	47.43	64.58	-17.15	Peak	
2	0.2620	29.62	9.53	39.15	61.37	-22.22	Peak	
3	0.4660	26.64	9.60	36.24	56.58	-20.34	Peak	
4 *	0.6140	32.53	9.64	42.17	56.00	-13.83	Peak	
5	0.8700	25.94	9.75	35.69	56.00	-20.31	Peak	
6	1.6580	23.28	9.88	33.16	56.00	-22.84	Peak	

Note：The test result has included the cable loss.

Test Mode:	TX MODE

Neutral



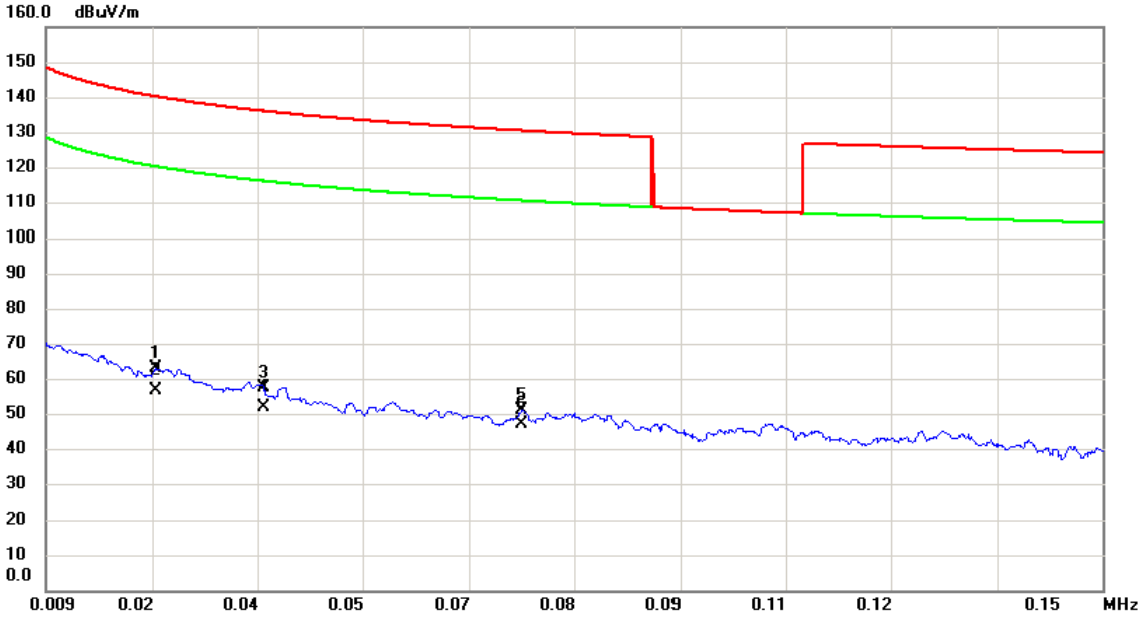
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1819	36.89	9.47	46.36	64.40	-18.04	Peak	
2	0.2620	28.98	9.53	38.51	61.37	-22.86	Peak	
3 *	0.6140	28.85	9.44	38.29	56.00	-17.71	Peak	
4	1.2340	21.67	9.67	31.34	56.00	-24.66	Peak	
5	1.6460	19.74	9.68	29.42	56.00	-26.58	Peak	
6	8.1220	20.84	10.09	30.93	60.00	-29.07	Peak	

Note：The test result has included the cable loss.

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

Test Mode:	TX MODE

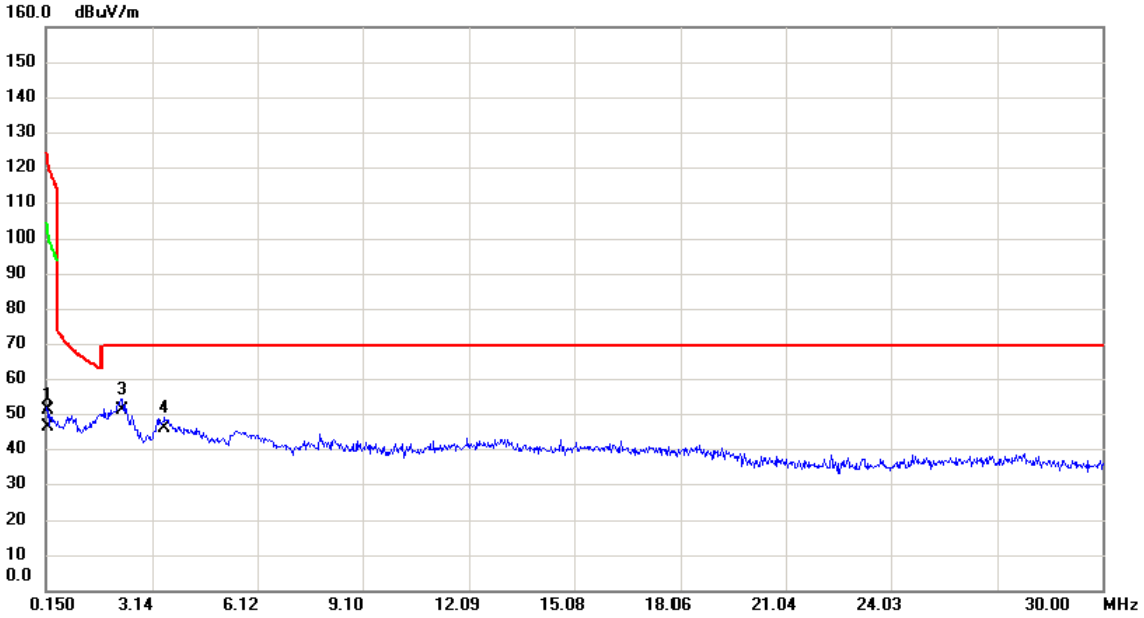
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0235	39.74	23.09	62.83	140.18	-77.35	peak	
2	*	0.0235	33.64	23.09	56.73	120.18	-63.45	AVG	
3		0.0380	36.19	21.30	57.49	136.01	-78.52	peak	
4		0.0380	30.56	21.30	51.86	116.01	-64.15	AVG	
5		0.0724	31.29	19.56	50.85	130.41	-79.56	peak	
6		0.0724	27.29	19.56	46.85	110.41	-63.56	AVG	

Test Mode:	TX MODE

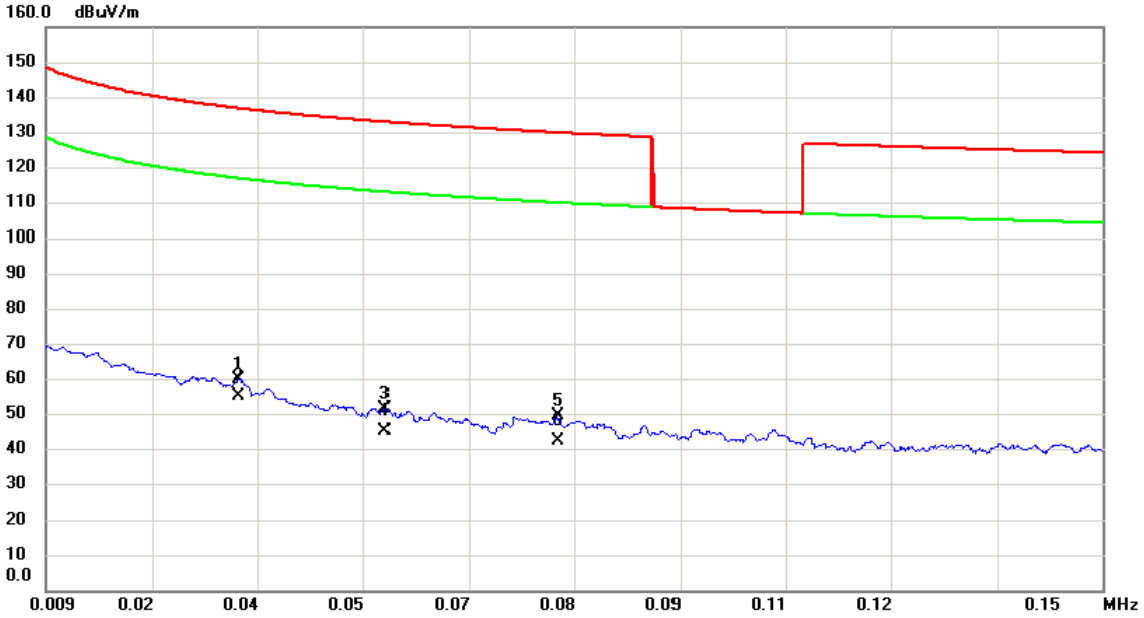
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2096	32.16	18.69	50.85	121.18	-70.33	peak	
2		0.2096	27.69	18.69	46.38	101.18	-54.80	AVG	
3	*	2.2841	33.58	17.54	51.12	69.54	-18.42	QP	
4		3.4782	28.28	17.64	45.92	69.54	-23.62	QP	

Test Mode:	TX MODE

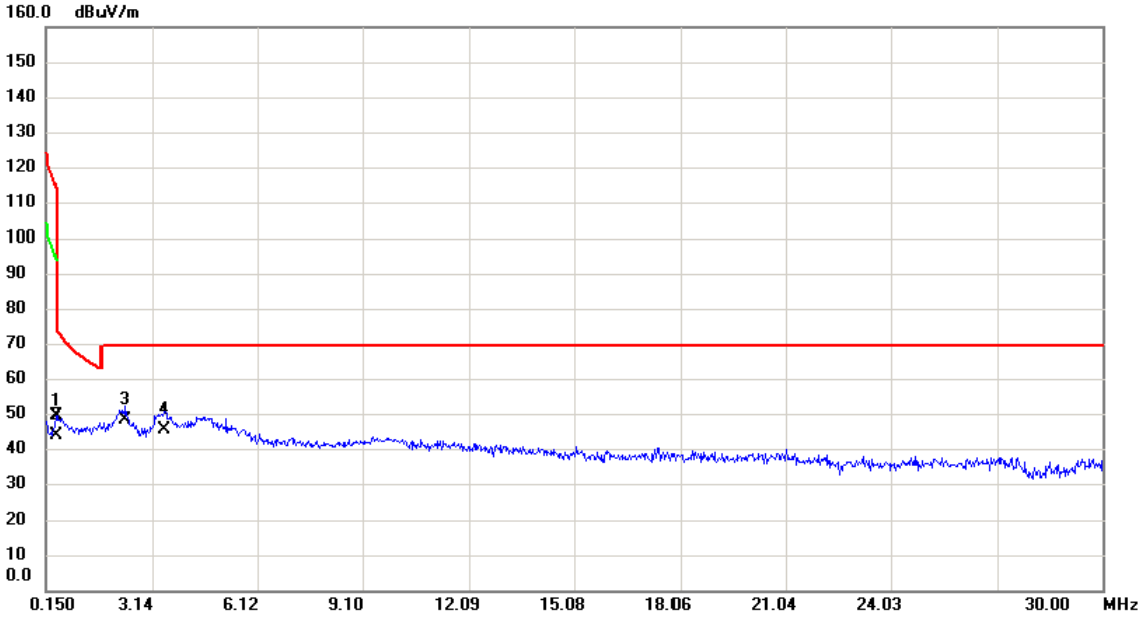
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0347	38.02	21.71	59.73	136.80	-77.07	peak	
2	*	0.0347	33.12	21.71	54.83	116.80	-61.97	AVG	
3		0.0543	31.65	19.77	51.42	132.91	-81.49	peak	
4		0.0543	25.34	19.77	45.11	112.91	-67.80	AVG	
5		0.0773	29.89	19.43	49.32	129.84	-80.52	peak	
6		0.0773	22.66	19.43	42.09	109.84	-67.75	AVG	

Test Mode:	TX MODE

Ant 90°

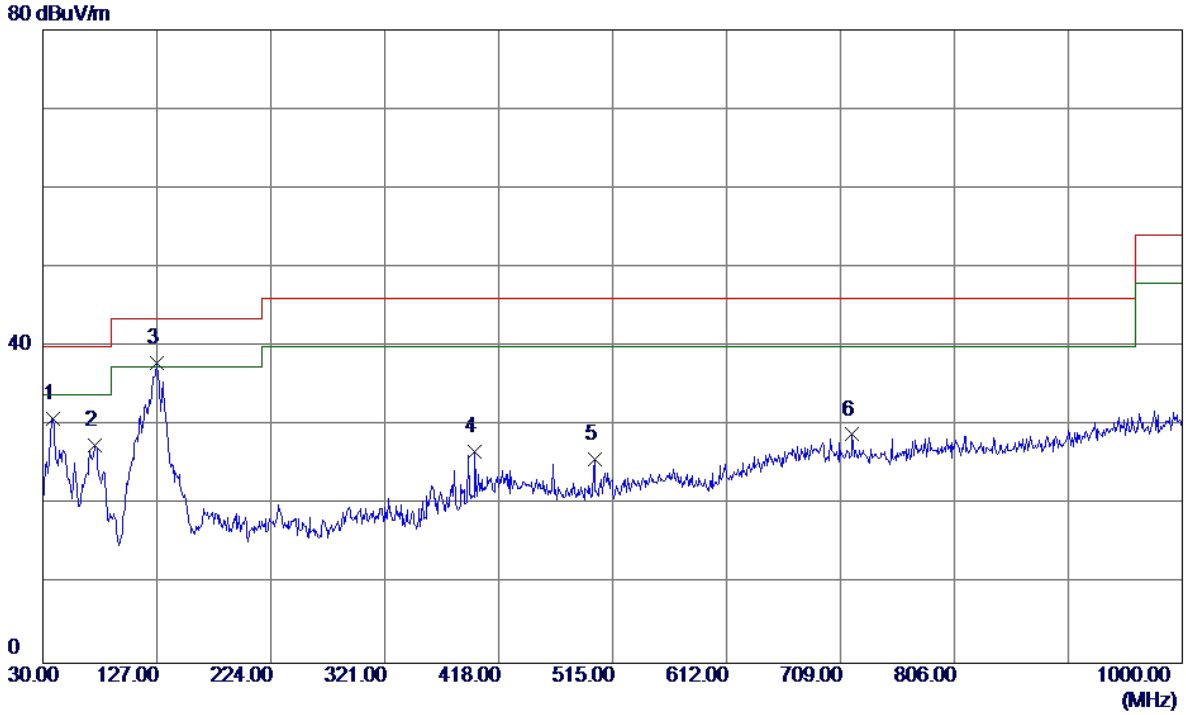


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4334	31.13	18.44	49.57	114.87	-65.30	peak	
2		0.4334	25.43	18.44	43.87	94.87	-51.00	AVG	
3	*	2.3738	30.71	17.42	48.13	69.54	-21.41	QP	
4		3.4931	27.89	17.68	45.57	69.54	-23.97	QP	

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

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

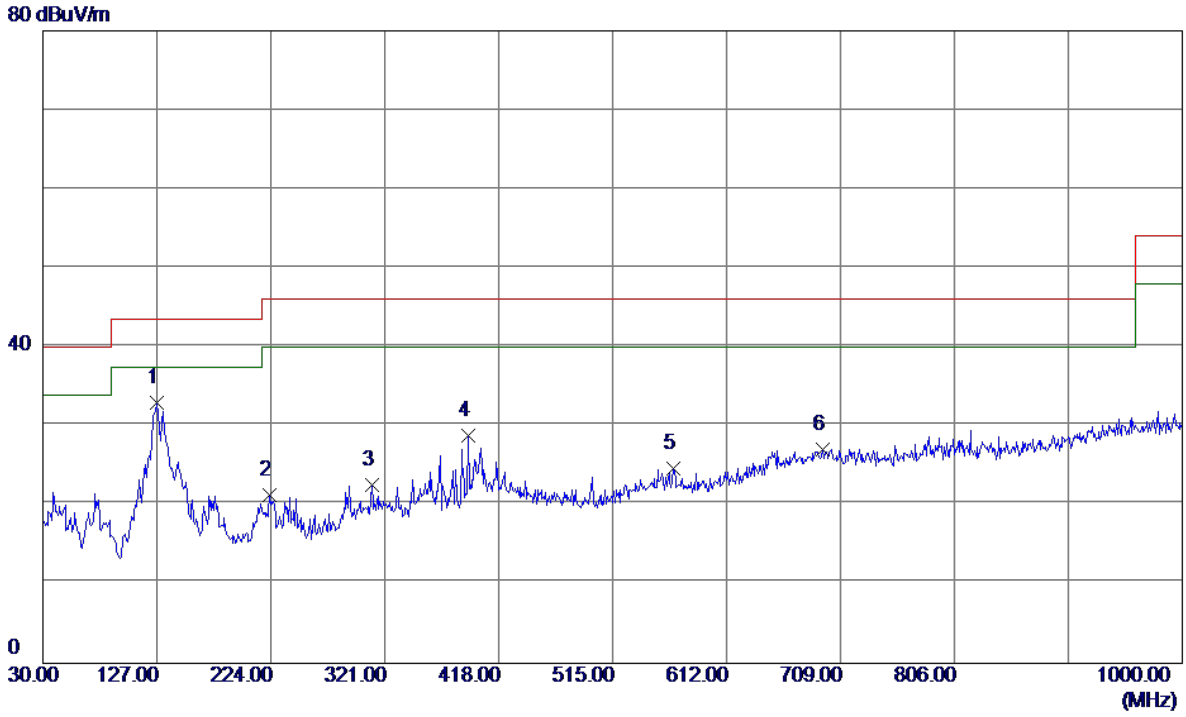
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38.2450	43.71	-12.79	30.92	40.00	-9.08	Peak	
2	74.6200	43.65	-16.12	27.53	40.00	-12.47	Peak	
3 *	126.5150	49.50	-11.65	37.85	43.50	-5.65	Peak	
4	397.6300	34.12	-7.37	26.75	46.00	-19.25	Peak	
5	499.9650	33.38	-7.65	25.73	46.00	-20.27	Peak	
6	719.1850	29.61	-0.73	28.88	46.00	-17.12	Peak	

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

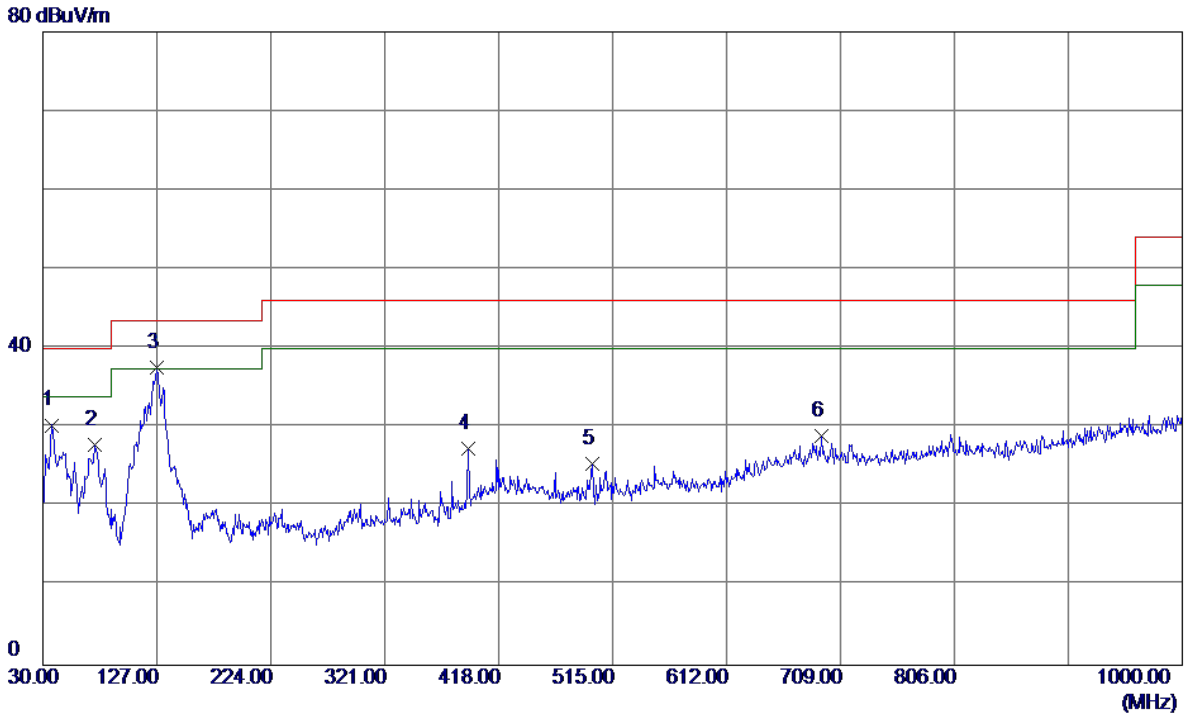
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	127.4850	44.43	-11.51	32.92	43.50	-10.58	Peak	
2	223.0300	34.90	-13.65	21.25	46.00	-24.75	Peak	
3	309.8450	32.63	-10.10	22.53	46.00	-23.47	Peak	
4	391.8100	36.59	-7.78	28.81	46.00	-17.19	Peak	
5	566.8950	29.15	-4.57	24.58	46.00	-21.42	Peak	
6	693.4800	27.83	-0.79	27.04	46.00	-18.96	Peak	

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

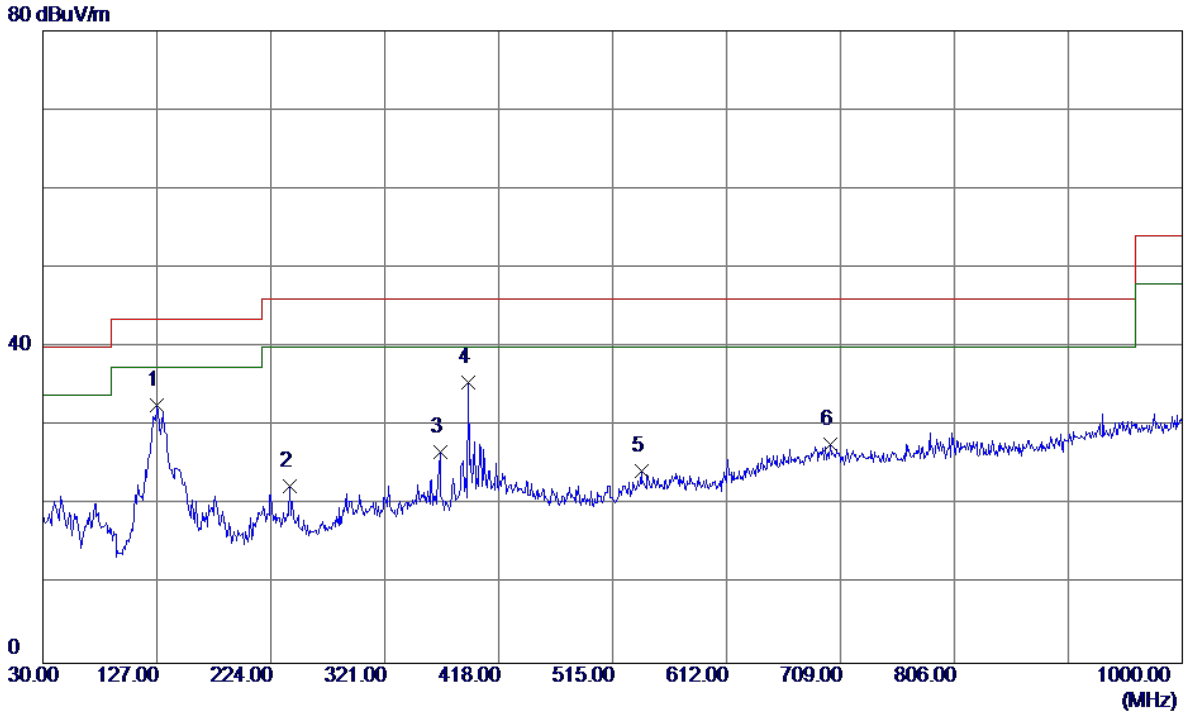
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	37.2750	43.31	-12.99	30.32	40.00	-9.68	Peak	
2	74.1350	43.79	-16.02	27.77	40.00	-12.23	Peak	
3 *	127.0000	49.21	-11.58	37.63	43.50	-5.87	Peak	
4	391.8100	35.14	-7.78	27.36	46.00	-18.64	Peak	
5	497.5400	33.05	-7.62	25.43	46.00	-20.57	Peak	
6	692.5100	29.75	-0.81	28.94	46.00	-17.06	Peak	

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

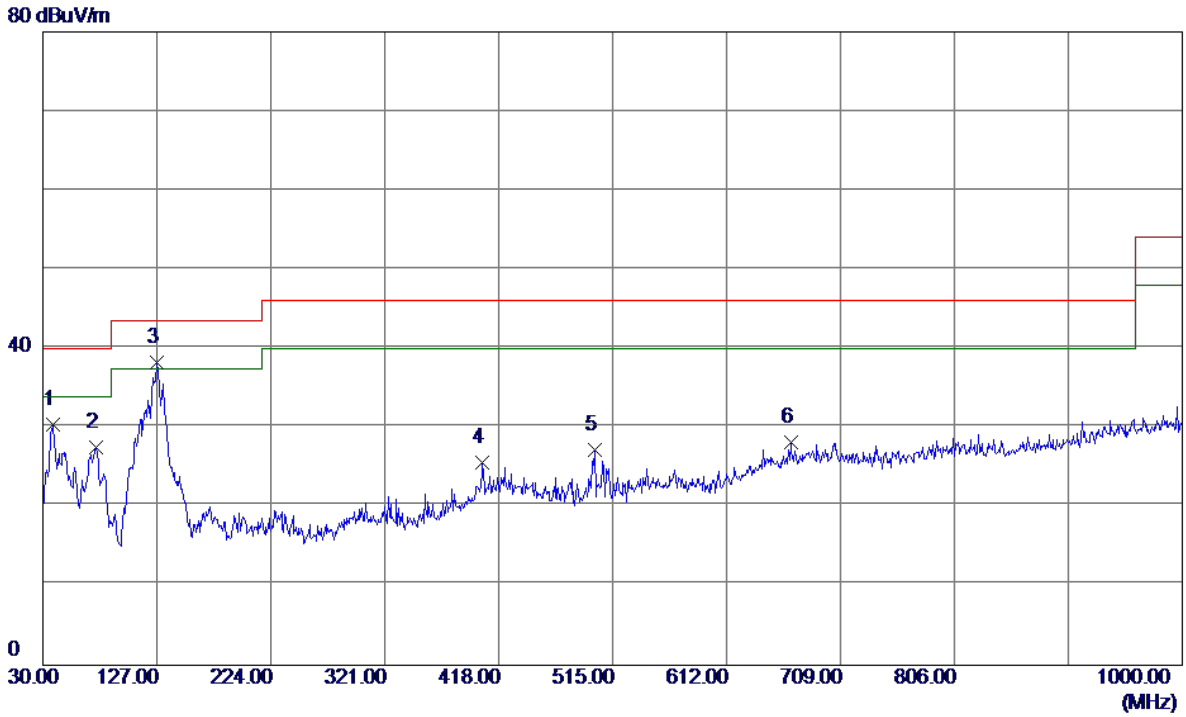
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	127.0000	44.17	-11.58	32.59	43.50	-10.91	Peak	
2	240.0050	35.76	-13.38	22.38	46.00	-23.62	Peak	
3	368.0450	36.17	-9.48	26.69	46.00	-19.31	Peak	
4 *	391.8100	43.34	-7.78	35.56	46.00	-10.44	Peak	
5	539.7350	29.35	-5.10	24.25	46.00	-21.75	Peak	
6	700.7550	28.35	-0.65	27.70	46.00	-18.30	Peak	

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

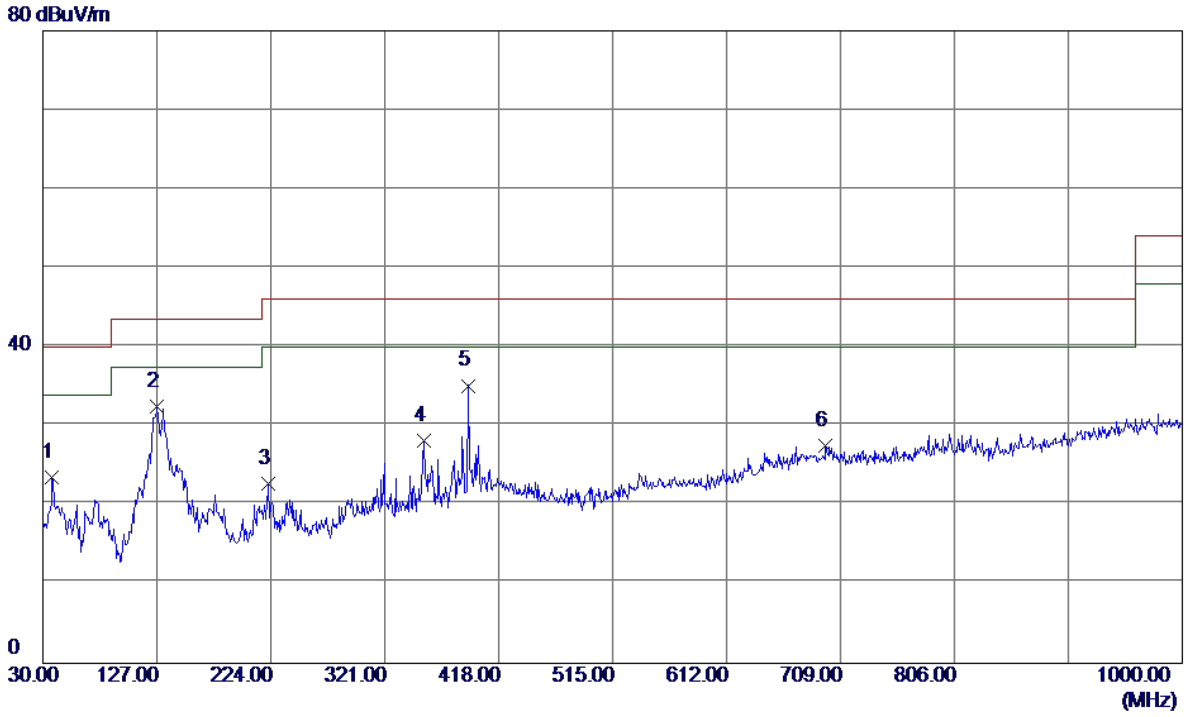
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38.2450	43.25	-12.79	30.46	40.00	-9.54	Peak	
2	75.1050	43.68	-16.20	27.48	40.00	-12.52	Peak	
3 *	126.5150	49.95	-11.65	38.30	43.50	-5.20	Peak	
4	404.4200	32.81	-7.19	25.62	46.00	-20.38	Peak	
5	499.4800	34.77	-7.64	27.13	46.00	-18.87	Peak	
6	666.8050	29.44	-1.34	28.10	46.00	-17.90	Peak	

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

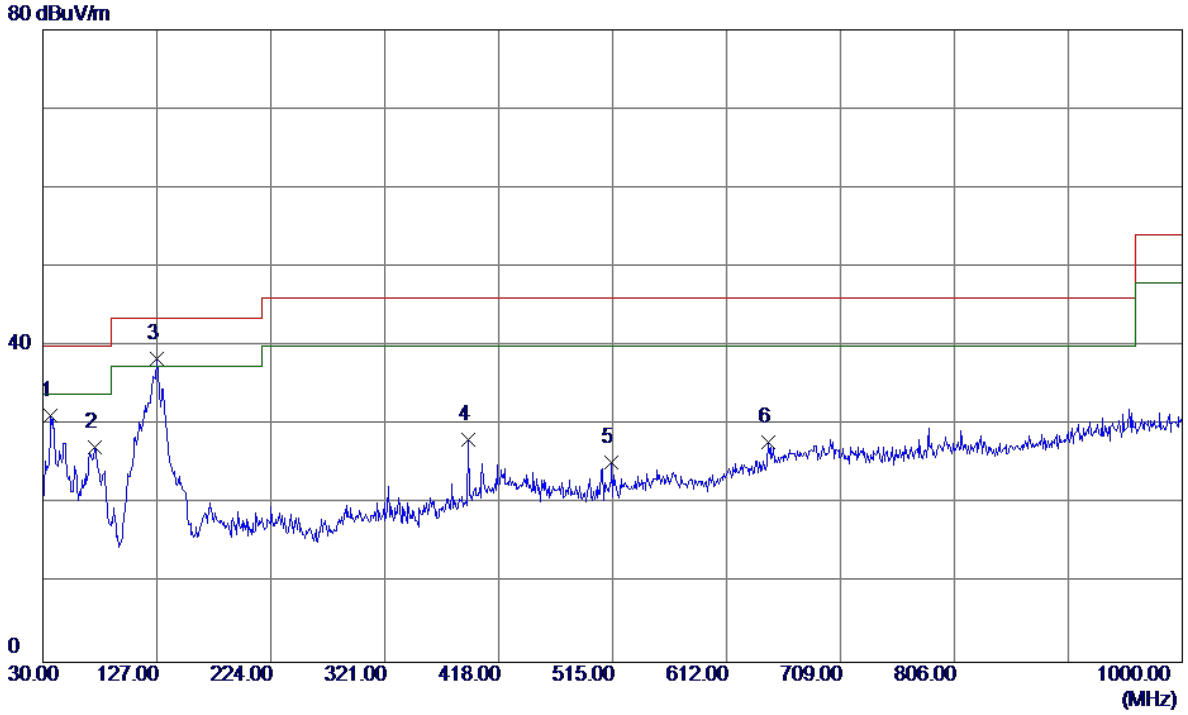
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	37.7599	36.40	-12.88	23.52	40.00	-16.48	Peak	
2	127.0000	44.07	-11.58	32.49	43.50	-11.01	Peak	
3	222.0600	36.42	-13.75	22.67	46.00	-23.33	Peak	
4	354.4650	38.54	-10.45	28.09	46.00	-17.91	Peak	
5 *	391.8100	42.90	-7.78	35.12	46.00	-10.88	Peak	
6	696.3900	28.21	-0.73	27.48	46.00	-18.52	Peak	

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

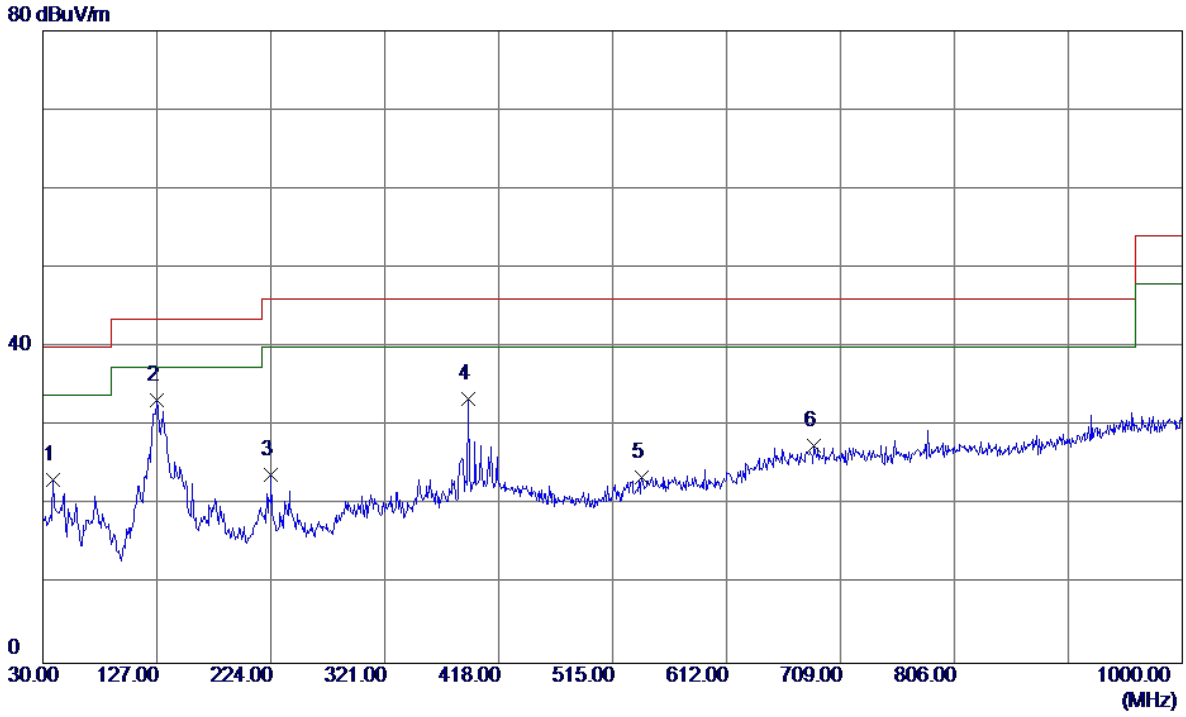
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	36.7900	44.25	-13.09	31.16	40.00	-8.84	Peak	
2	74.1350	43.16	-16.02	27.14	40.00	-12.86	Peak	
3 *	126.5150	50.04	-11.65	38.39	43.50	-5.11	Peak	
4	391.8100	36.01	-7.78	28.23	46.00	-17.77	Peak	
5	514.0300	32.06	-6.75	25.31	46.00	-20.69	Peak	
6	647.4050	29.65	-1.85	27.80	46.00	-18.20	Peak	

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

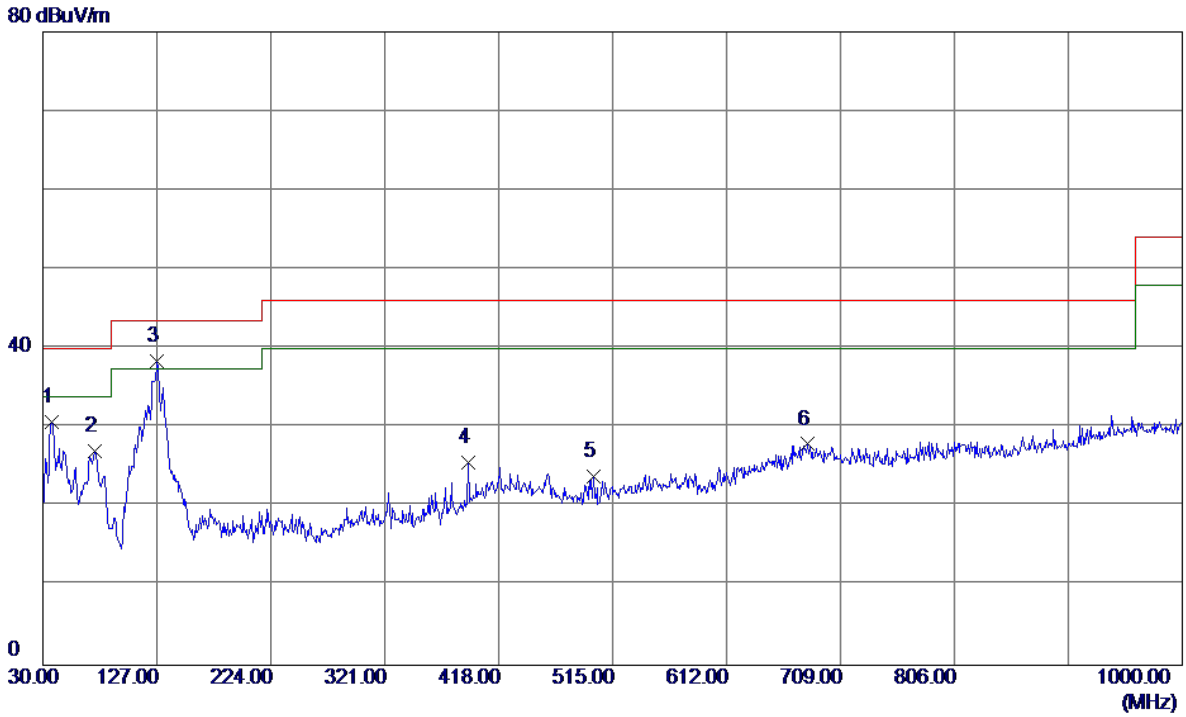
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38.7300	35.98	-12.72	23.26	40.00	-16.74	Peak	
2 *	127.0000	44.83	-11.58	33.25	43.50	-10.25	Peak	
3	224.4850	37.26	-13.49	23.77	46.00	-22.23	Peak	
4	391.8100	41.25	-7.78	33.47	46.00	-12.53	Peak	
5	540.2199	28.60	-5.07	23.53	46.00	-22.47	Peak	
6	686.6900	28.41	-0.93	27.48	46.00	-18.52	Peak	

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

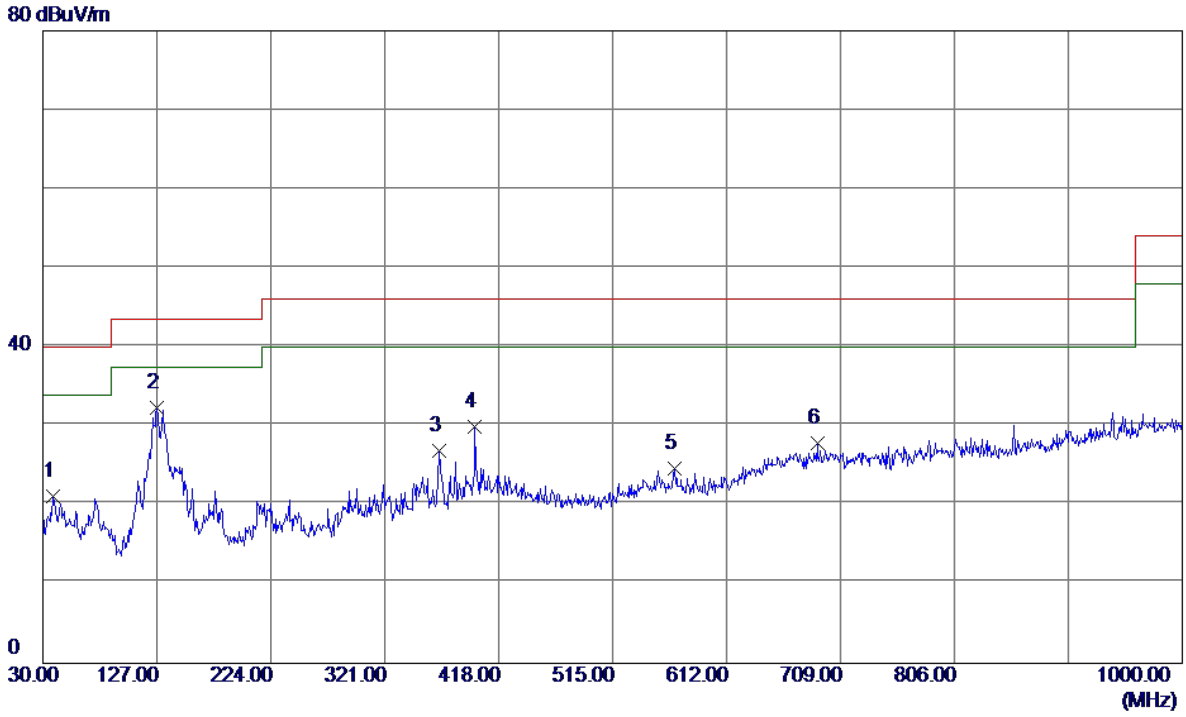
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	37.7599	43.59	-12.88	30.71	40.00	-9.29	Peak	
2	74.6200	43.14	-16.12	27.02	40.00	-12.98	Peak	
3 *	127.0000	49.98	-11.58	38.40	43.50	-5.10	Peak	
4	391.8100	33.38	-7.78	25.60	46.00	-20.40	Peak	
5	498.5100	31.42	-7.63	23.79	46.00	-22.21	Peak	
6	681.3550	28.96	-1.04	27.92	46.00	-18.08	Peak	

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

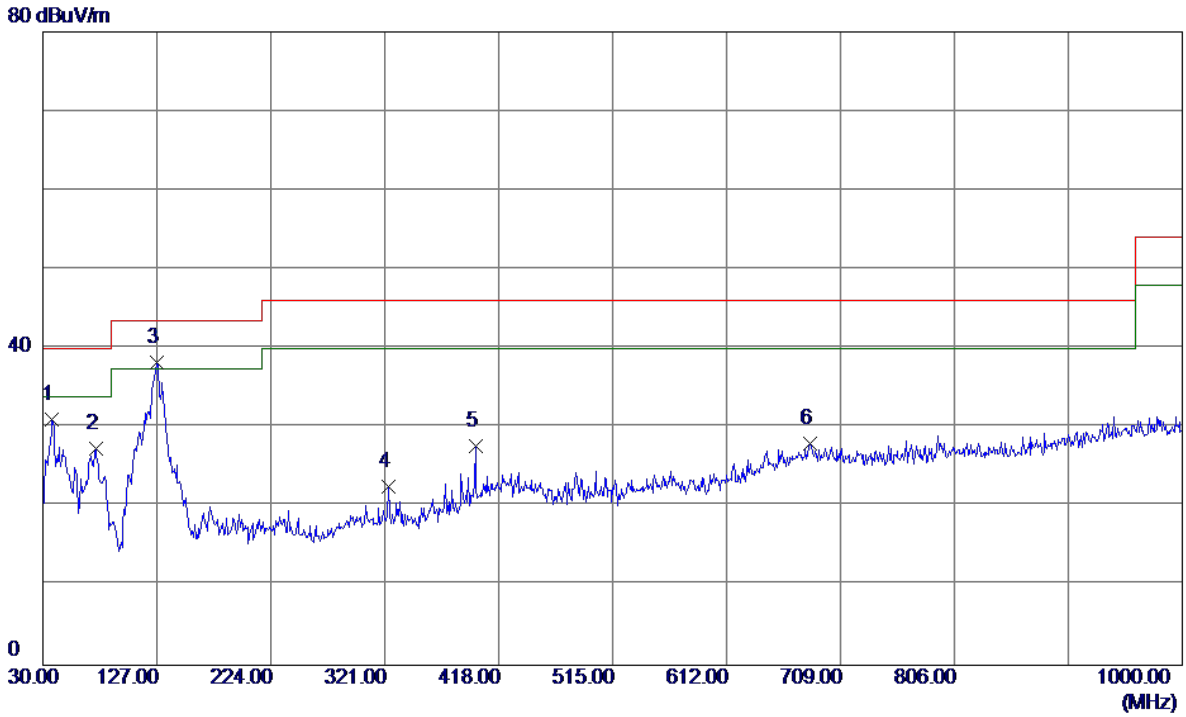
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38.7300	33.91	-12.72	21.19	40.00	-18.81	Peak	
2 *	127.0000	43.85	-11.58	32.27	43.50	-11.23	Peak	
3	367.5600	36.34	-9.52	26.82	46.00	-19.18	Peak	
4	397.6300	37.35	-7.37	29.98	46.00	-16.02	Peak	
5	567.3800	29.29	-4.58	24.71	46.00	-21.29	Peak	
6	689.1150	28.66	-0.88	27.78	46.00	-18.22	Peak	

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

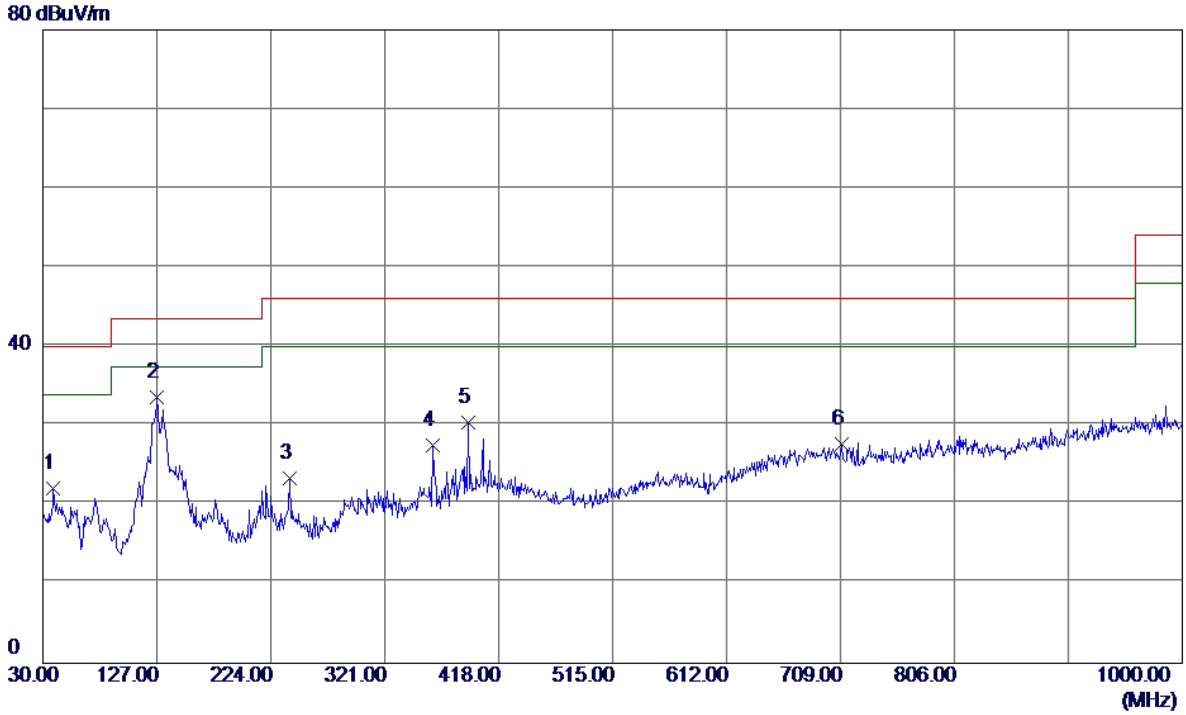
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	37.7599	43.93	-12.88	31.05	40.00	-8.95	Peak	
2	75.1050	43.62	-16.20	27.42	40.00	-12.58	Peak	
3 *	127.4850	49.74	-11.51	38.23	43.50	-5.27	Peak	
4	323.9100	32.89	-10.34	22.55	46.00	-23.45	Peak	
5	398.1150	35.08	-7.33	27.75	46.00	-18.25	Peak	
6	683.2950	28.96	-1.00	27.96	46.00	-18.04	Peak	

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

Horizontal

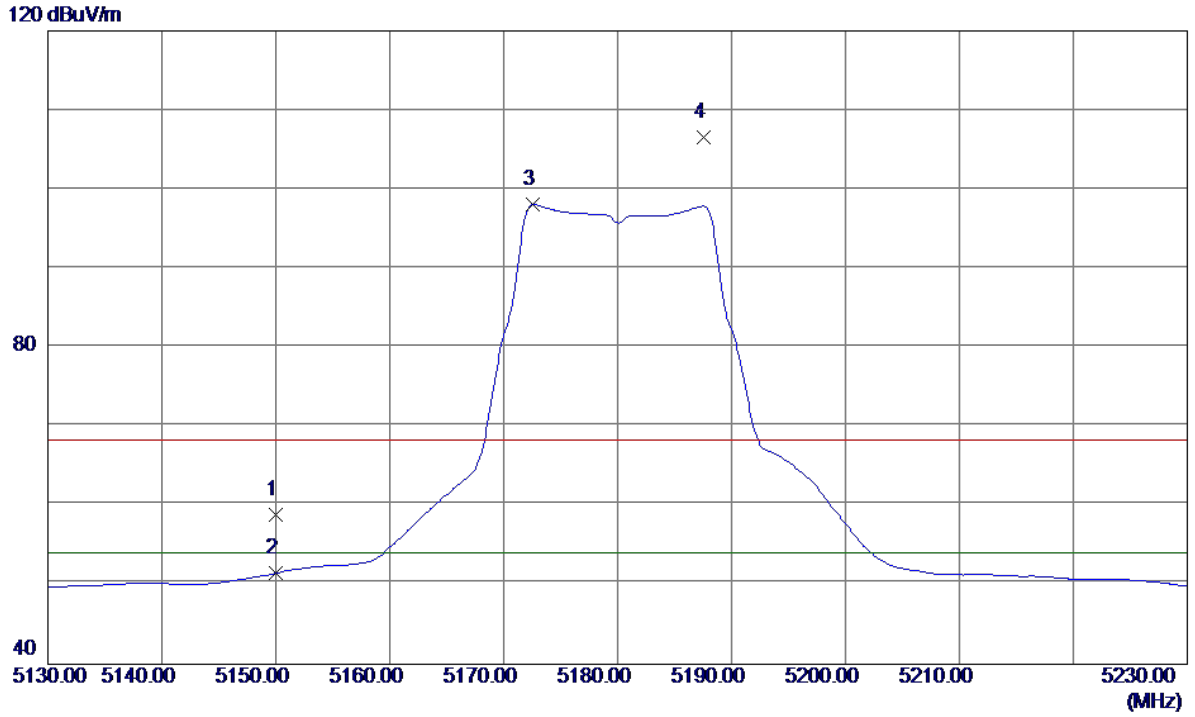


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38.7300	34.83	-12.72	22.11	40.00	-17.89	Peak	
2 *	127.0000	45.12	-11.58	33.54	43.50	-9.96	Peak	
3	240.0050	36.71	-13.38	23.33	46.00	-22.67	Peak	
4	361.7400	37.42	-9.93	27.49	46.00	-18.51	Peak	
5	391.8100	38.18	-7.78	30.40	46.00	-15.60	Peak	
6	709.9699	28.37	-0.69	27.68	46.00	-18.32	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

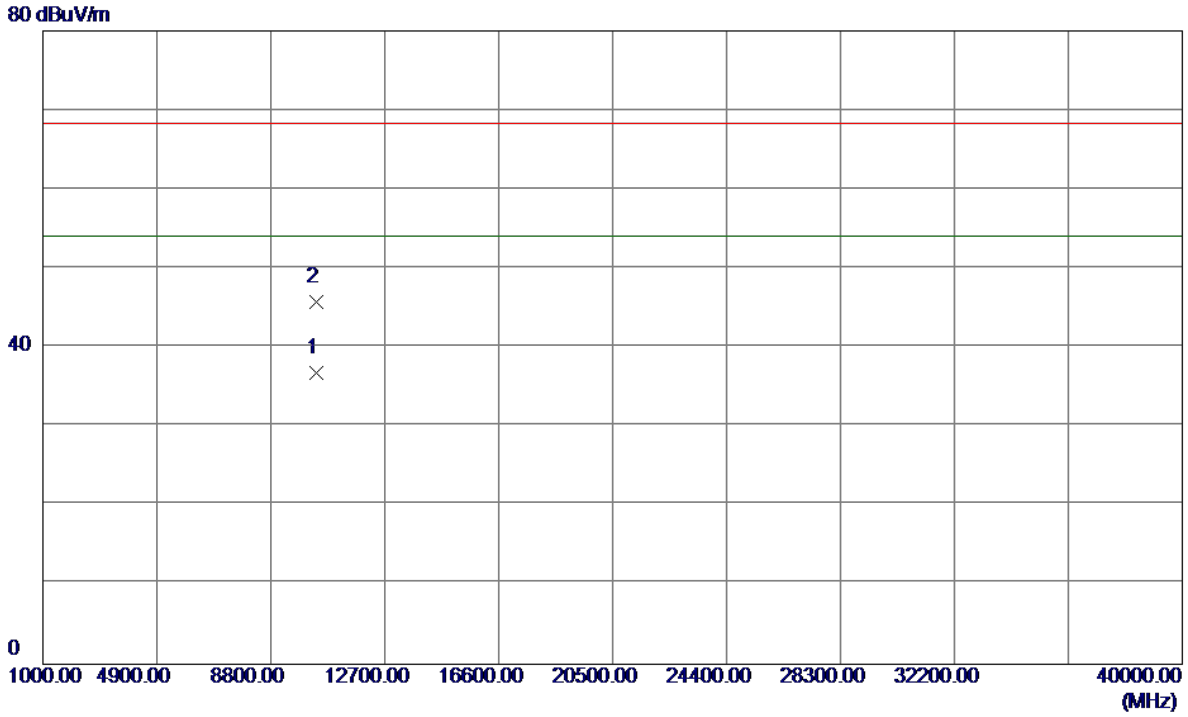
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	17.51	41.35	58.86	68.30	-9.44	Peak	
2	5150.0000	10.15	41.35	51.50	54.00	-2.50	AVG	
3 *	5172.6000	56.64	41.42	98.06	54.00	44.06	AVG	No Limit
4	5187.6000	65.06	41.47	106.53	68.30	38.23	Peak	No Limit

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

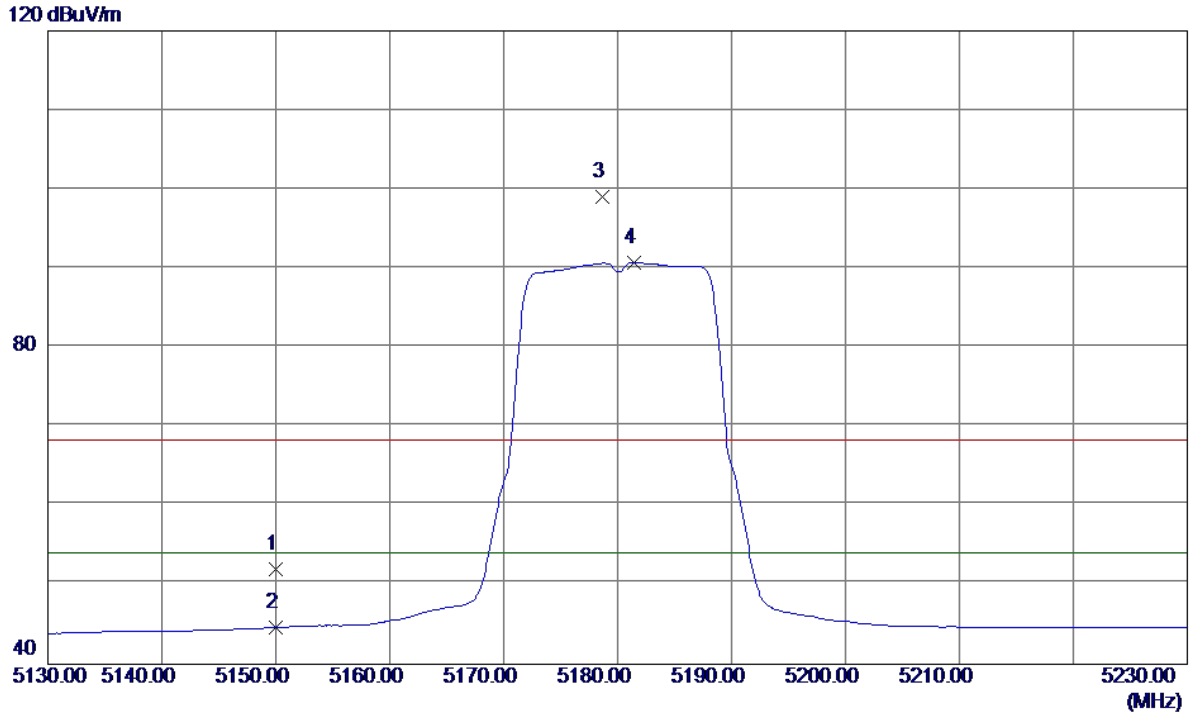
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0100	20.42	16.36	36.78	54.00	-17.22	AVG	
2	10359.8200	29.37	16.36	45.73	68.30	-22.57	Peak	

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

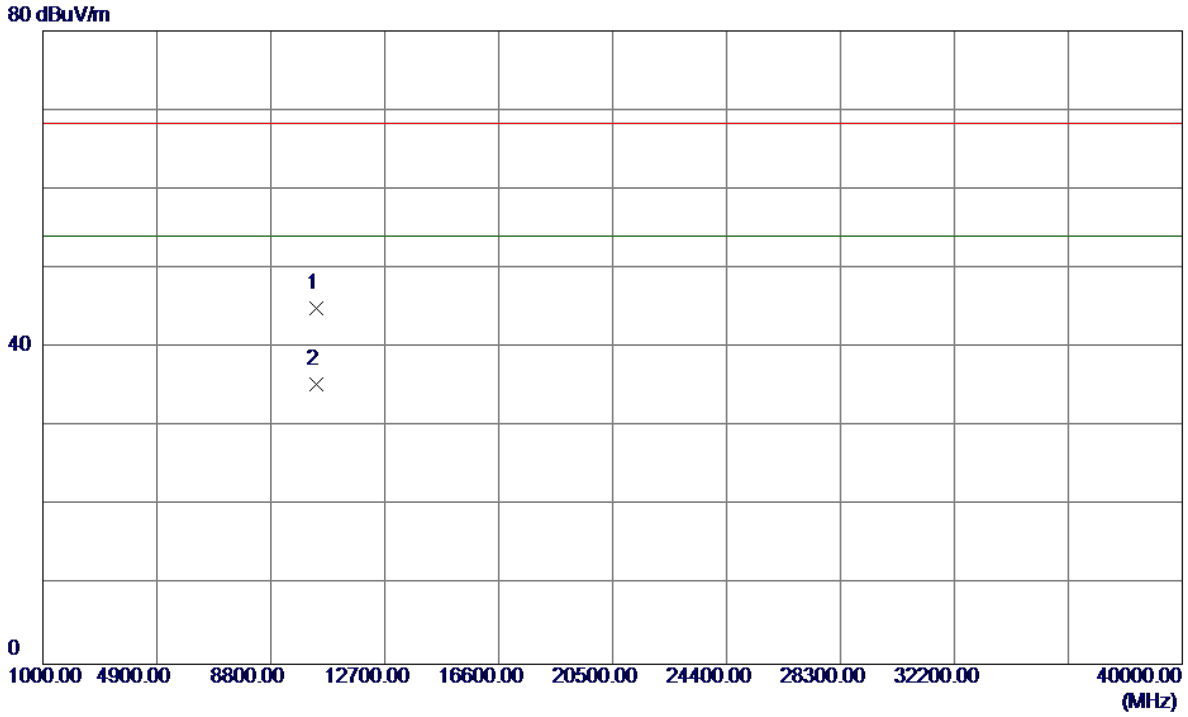
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	10.61	41.35	51.96	68.30	-16.34	Peak	
2	5150.0000	3.29	41.35	44.64	54.00	-9.36	AVG	
3	5178.7000	57.62	41.44	99.06	68.30	30.76	Peak	No Limit
4 *	5181.4000	49.29	41.45	90.74	54.00	36.74	AVG	No Limit

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

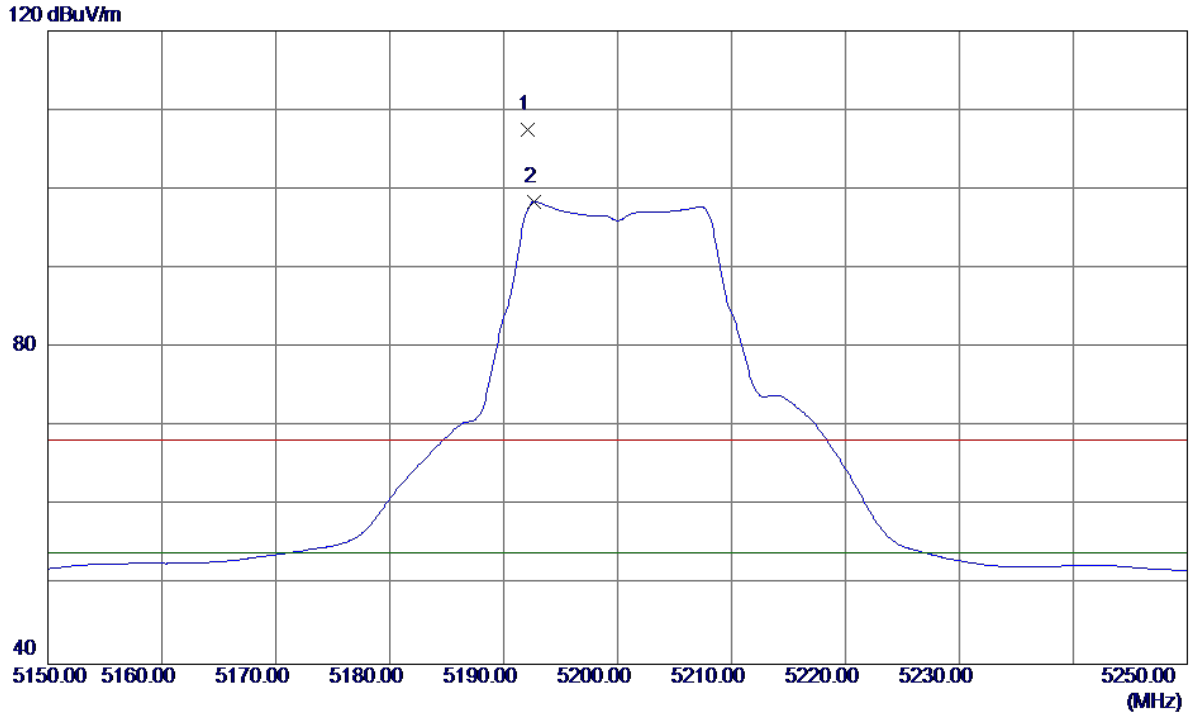
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10360.4750	28.62	16.36	44.98	68.30	-23.32	Peak	
2 *	10380.8500	18.89	16.41	35.30	54.00	-18.70	AVG	

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

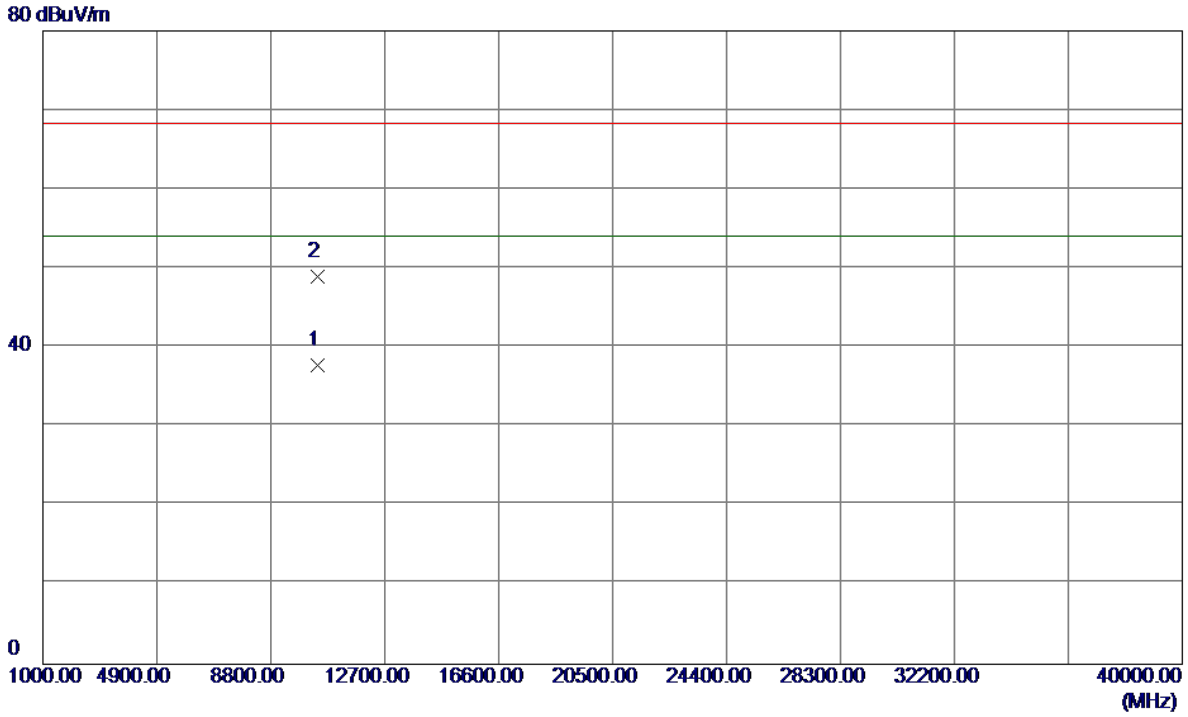
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5192.1000	66.03	41.49	107.52	68.30	39.22	Peak	No Limit
2 *	5192.7000	56.93	41.49	98.42	54.00	44.42	AVG	No Limit

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

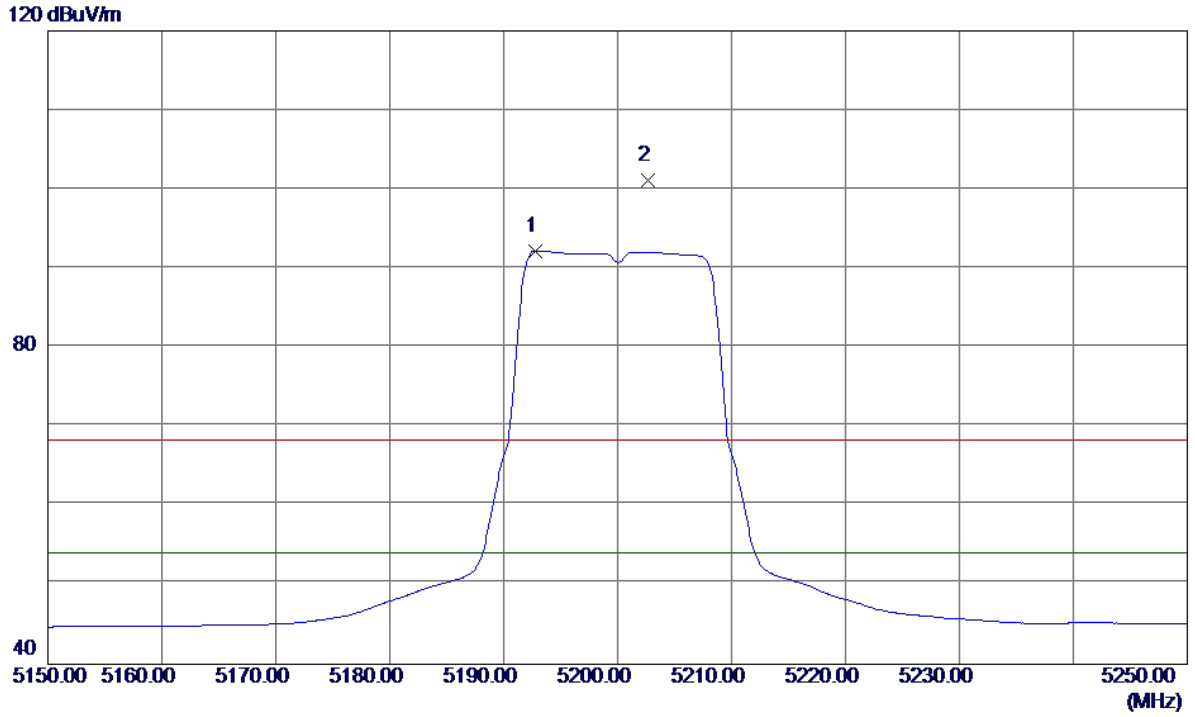
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0150	21.37	16.45	37.82	54.00	-16.18	AVG	
2	10400.1449	32.43	16.45	48.88	68.30	-19.42	Peak	

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

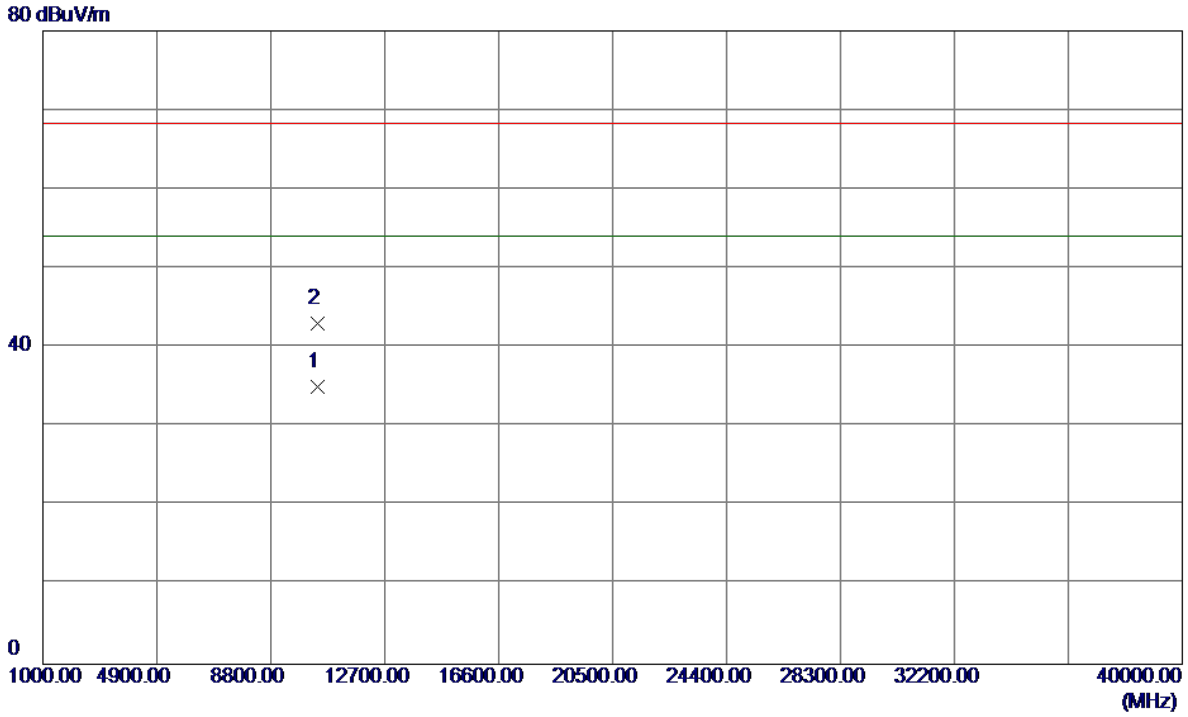
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5192.8000	50.74	41.49	92.23	54.00	38.23	AVG	No Limit
2	5202.7000	59.63	41.53	101.16	68.30	32.86	Peak	No Limit

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

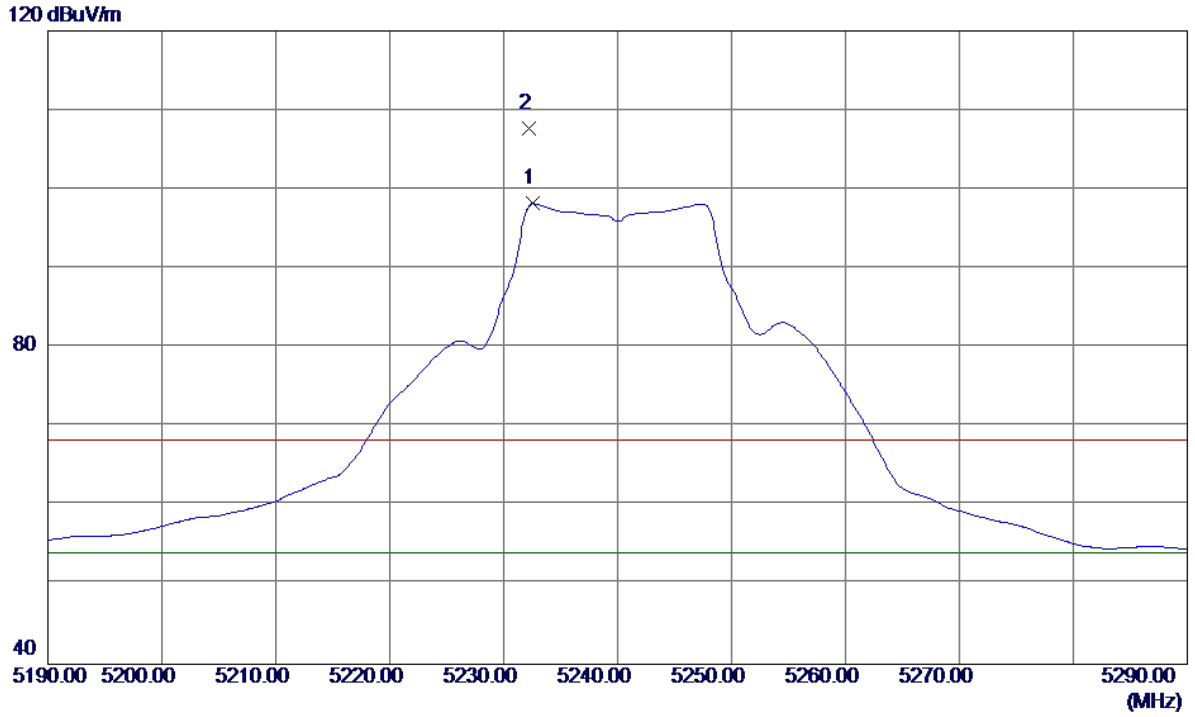
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0500	18.57	16.45	35.02	54.00	-18.98	AVG	
2	10400.1250	26.60	16.45	43.05	68.30	-25.25	Peak	

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

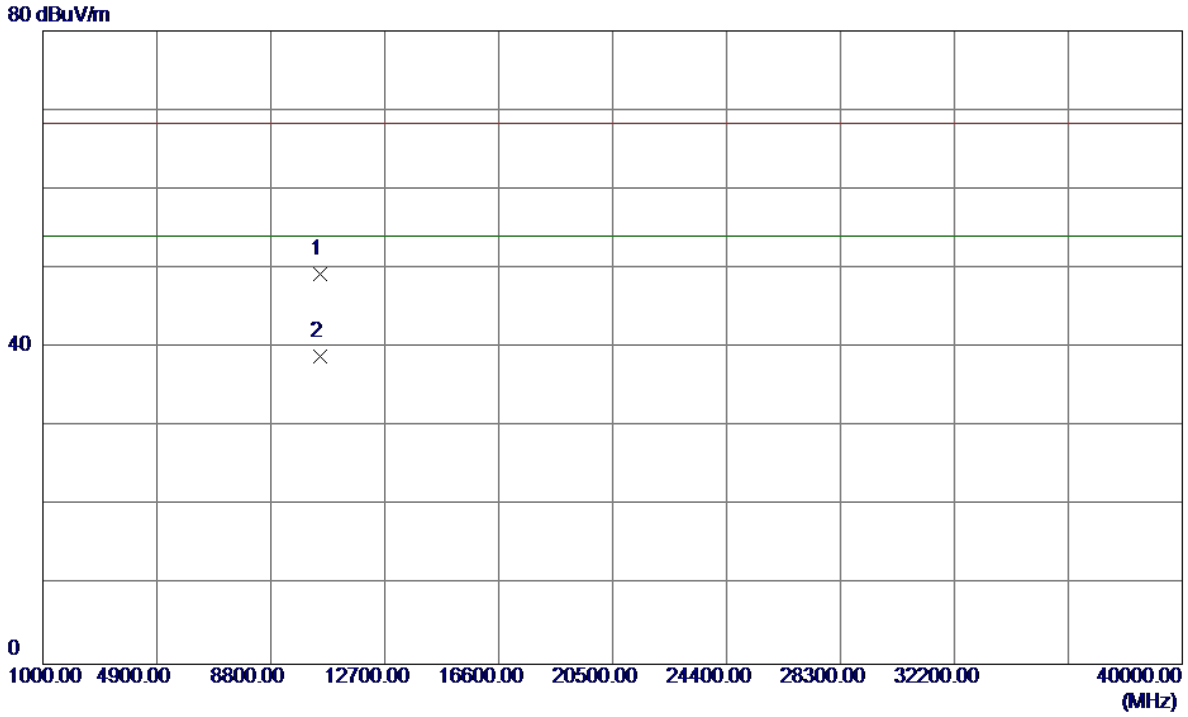
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5232.6000	56.55	41.63	98.18	54.00	44.18	AVG	No Limit
2	5232.2000	66.13	41.62	107.75	68.30	39.45	Peak	No Limit

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

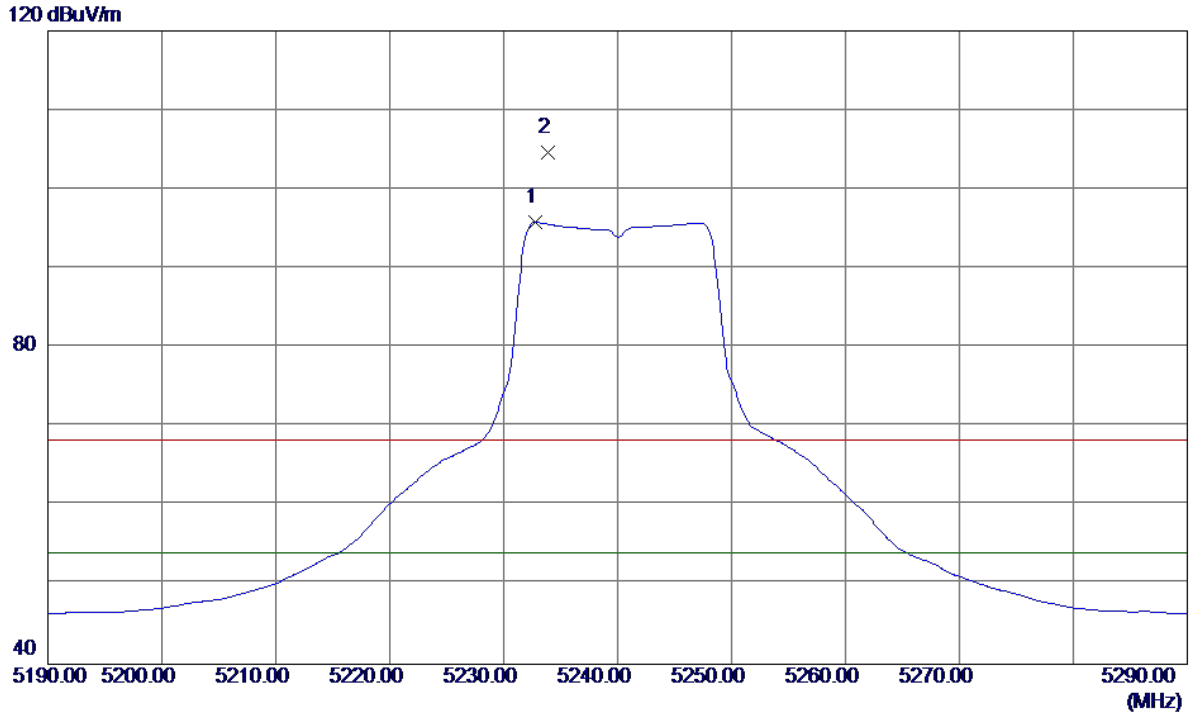
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10479.8370	32.68	16.63	49.31	68.30	-18.99	Peak	
2 *	10480.0420	22.28	16.63	38.91	54.00	-15.09	AVG	

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

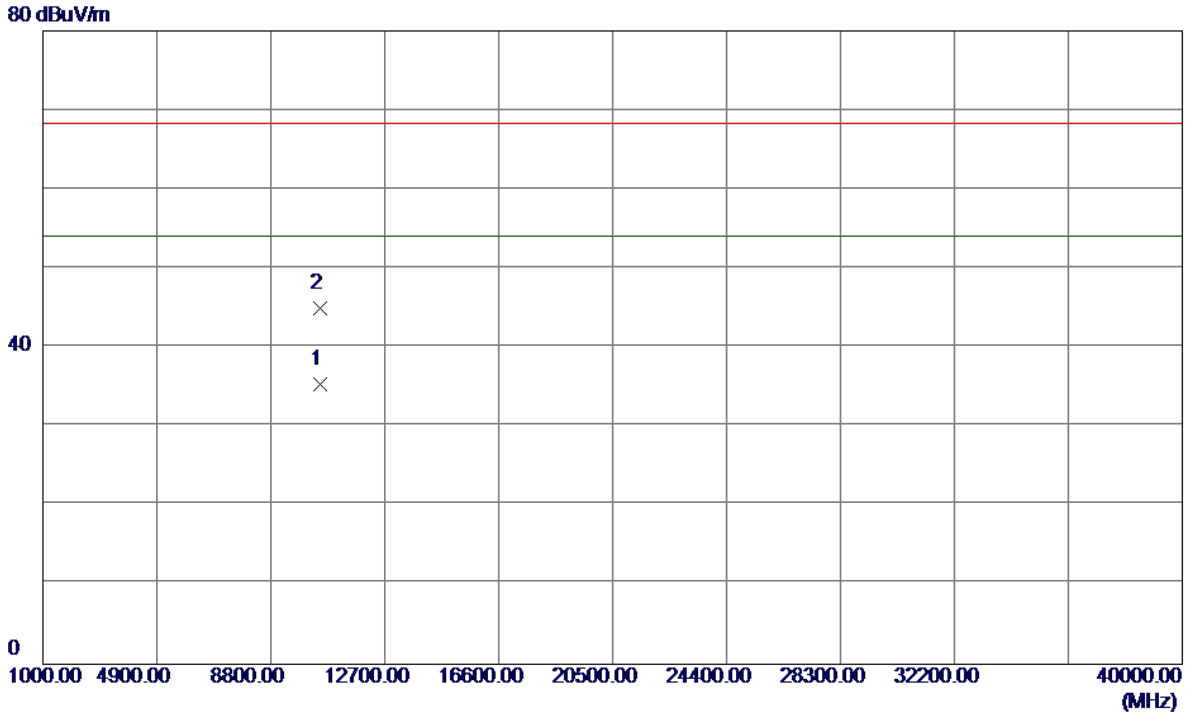
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5232.8000	54.19	41.63	95.82	54.00	41.82	AVG	No Limit
2	5233.9000	62.98	41.63	104.61	68.30	36.31	Peak	No Limit

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

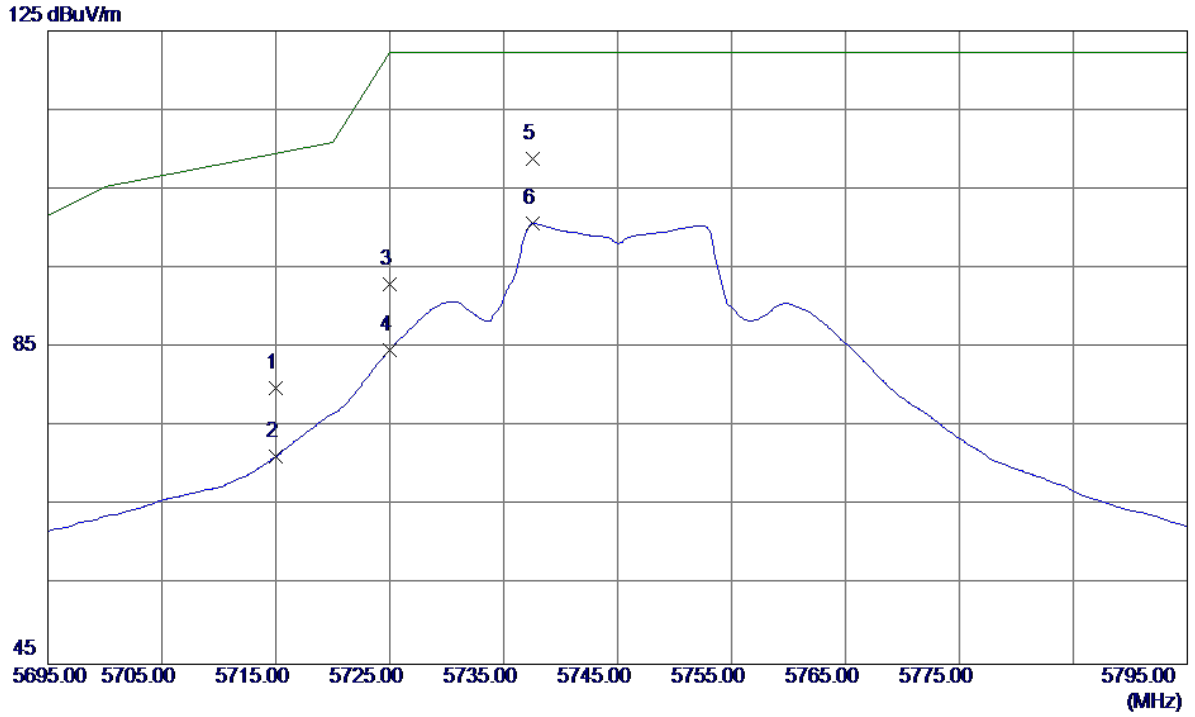
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10479.8750	18.66	16.63	35.29	54.00	-18.71	AVG	
2	10479.9250	28.26	16.63	44.89	68.30	-23.41	Peak	

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

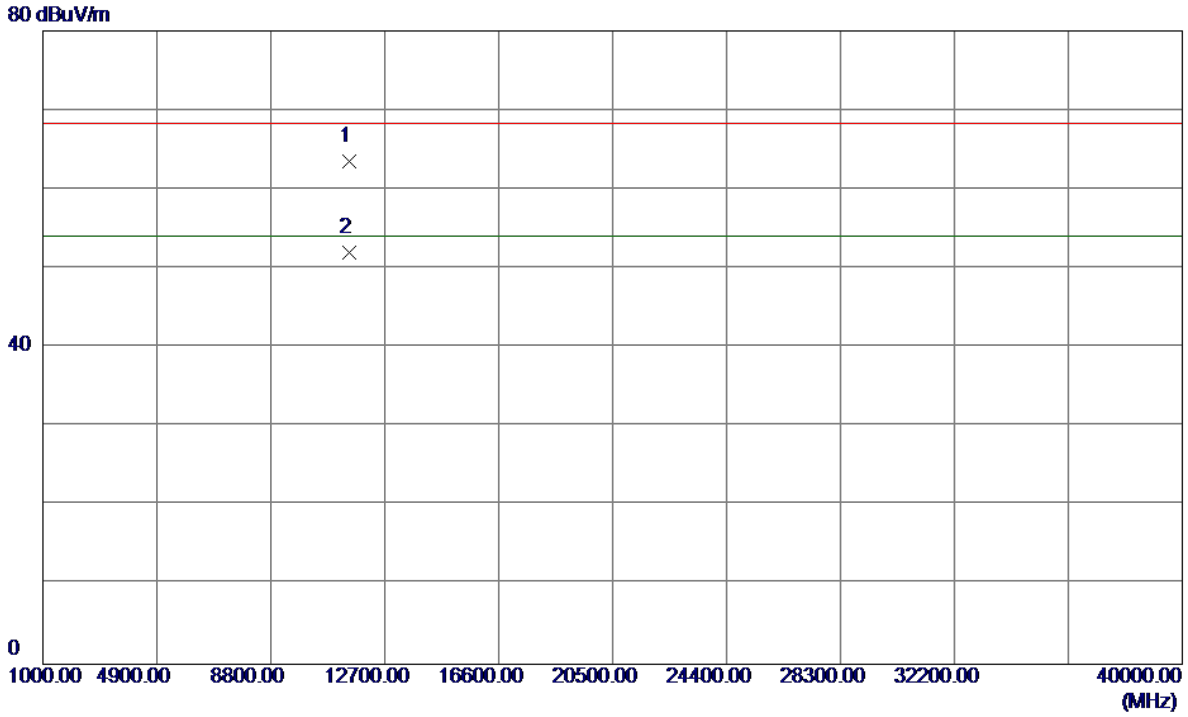
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	37.12	42.72	79.84	109.50	-29.66	Peak	
2	5715.0000	28.52	42.72	71.24	109.50	-38.26	AVG	
3	5725.0000	50.22	42.73	92.95	122.30	-29.35	Peak	
4	5725.0000	41.97	42.73	84.70	122.30	-37.60	AVG	
5 *	5737.6000	66.13	42.74	108.87	122.30	-13.43	Peak	
6	5737.6000	57.92	42.74	100.66	122.30	-21.64	AVG	

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

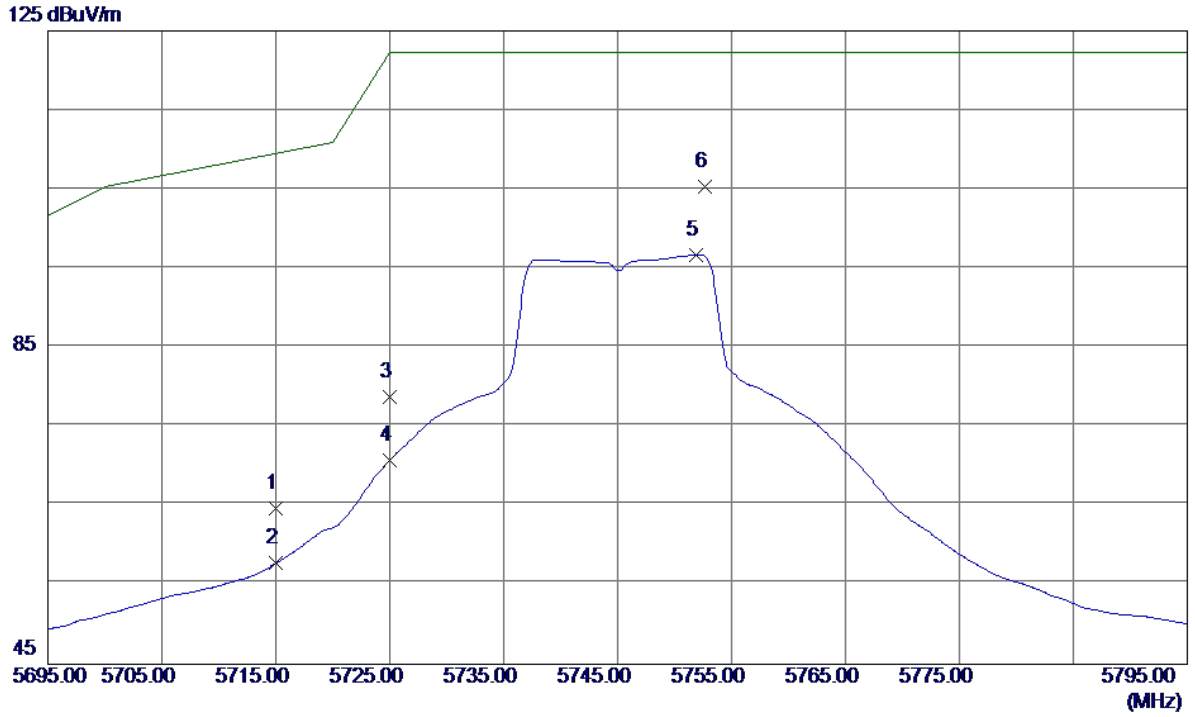
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11487.3500	45.56	17.89	63.45	68.30	-4.85	Peak	
2 *	11491.8000	34.11	17.89	52.00	54.00	-2.00	AVG	

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

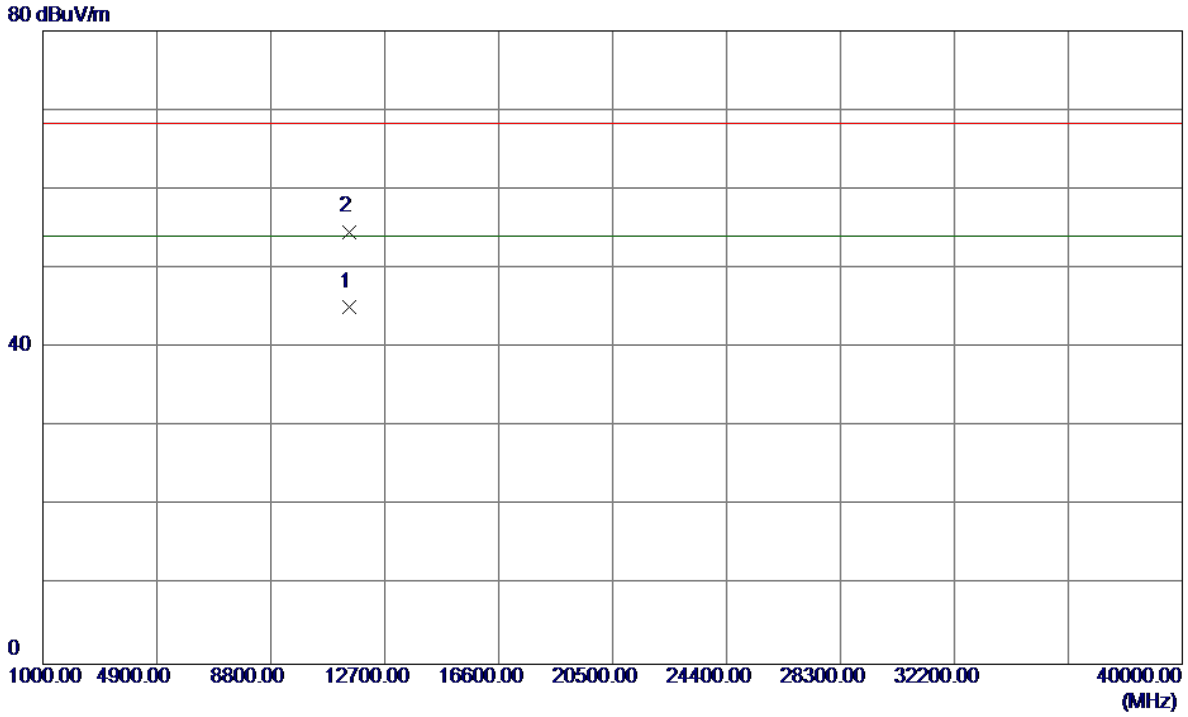
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	21.92	42.72	64.64	109.50	-44.86	Peak	
2	5715.0000	15.06	42.72	57.78	109.50	-51.72	AVG	
3	5725.0000	35.99	42.73	78.72	122.30	-43.58	Peak	
4	5725.0000	28.04	42.73	70.77	122.30	-51.53	AVG	
5	5751.9000	53.96	42.75	96.71	122.30	-25.59	AVG	
6 *	5752.7000	62.56	42.75	105.31	122.30	-16.99	Peak	

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

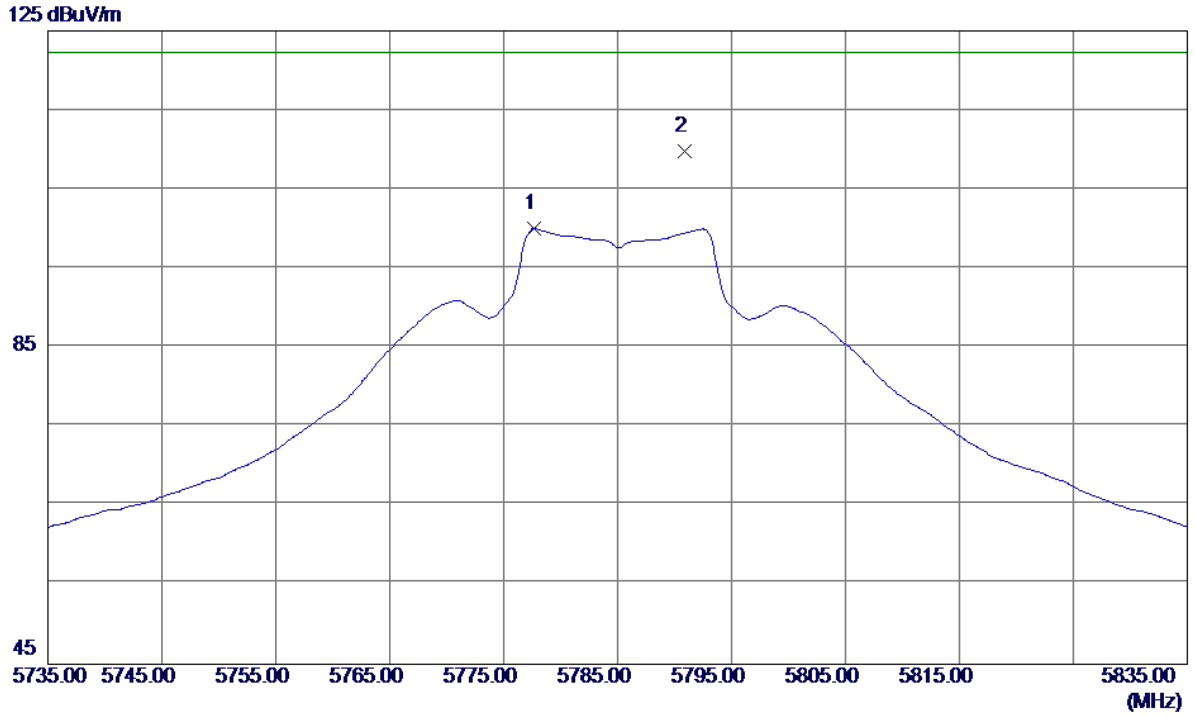
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11491.2000	27.26	17.89	45.15	54.00	-8.85	AVG	
2	11494.0500	36.74	17.90	54.64	68.30	-13.66	Peak	

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

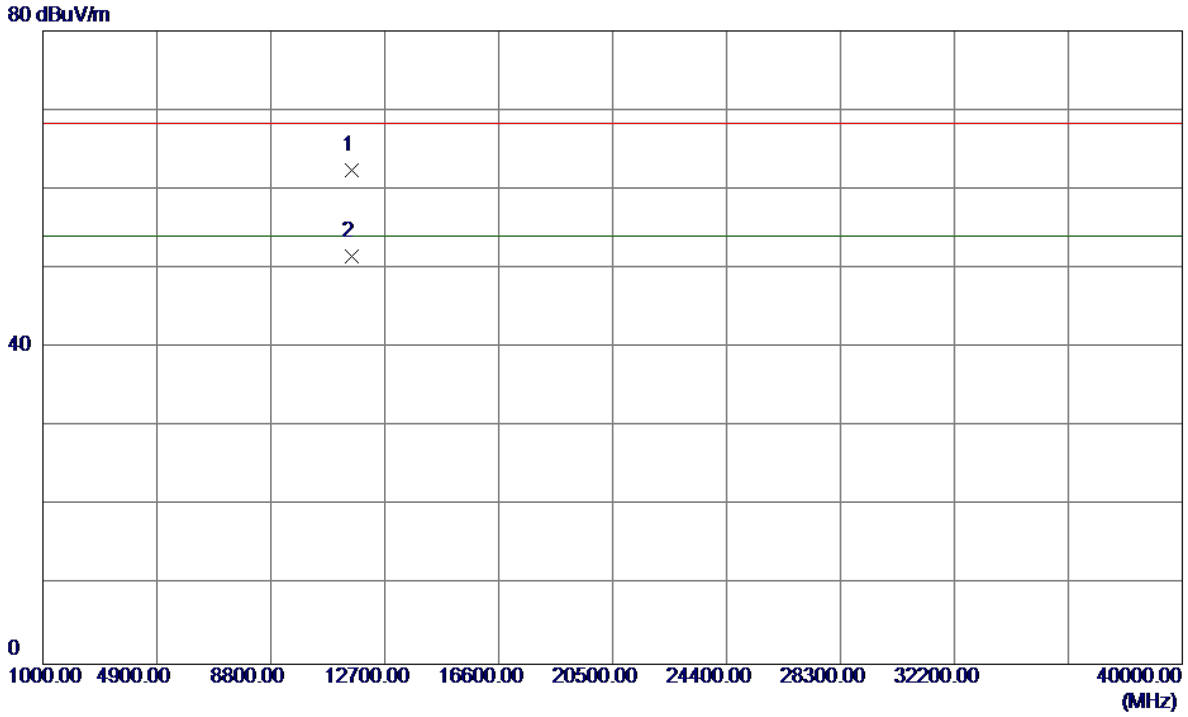
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5777.7000	57.23	42.77	100.00	122.30	-22.30	AVG	
2 *	5790.9000	66.96	42.79	109.75	122.30	-12.55	Peak	

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

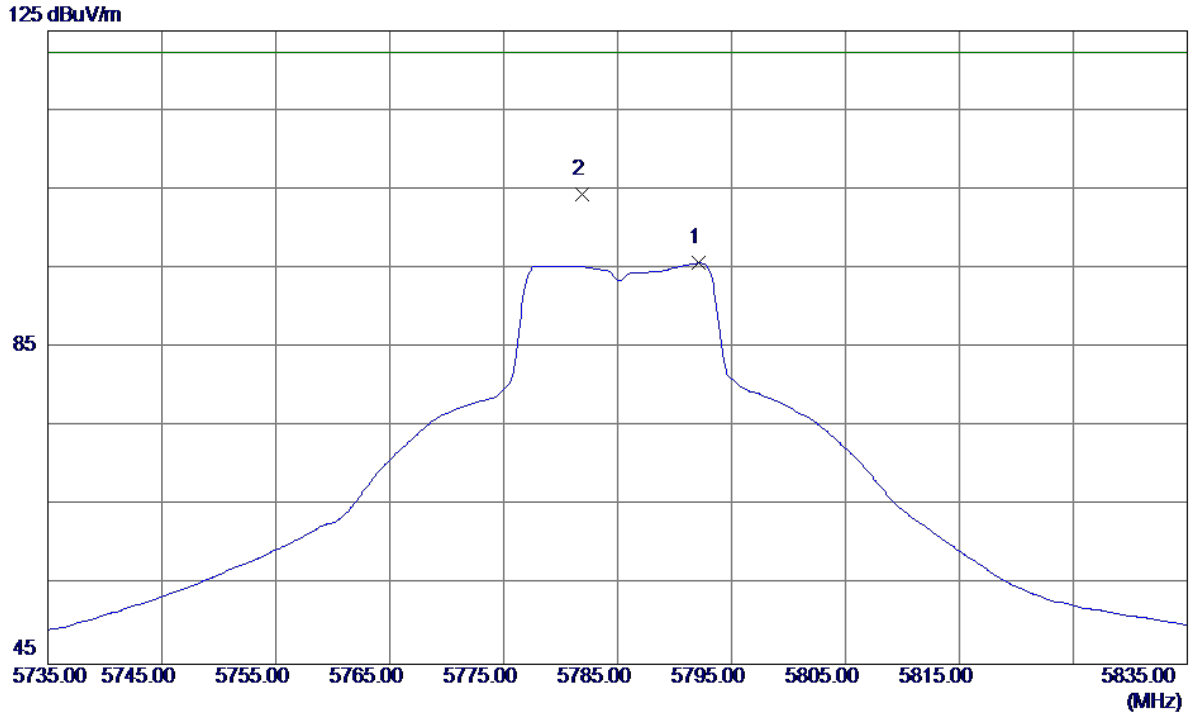
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11568.9500	44.56	17.85	62.41	68.30	-5.89	Peak	
2 *	11572.0000	33.66	17.85	51.51	54.00	-2.49	AVG	

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

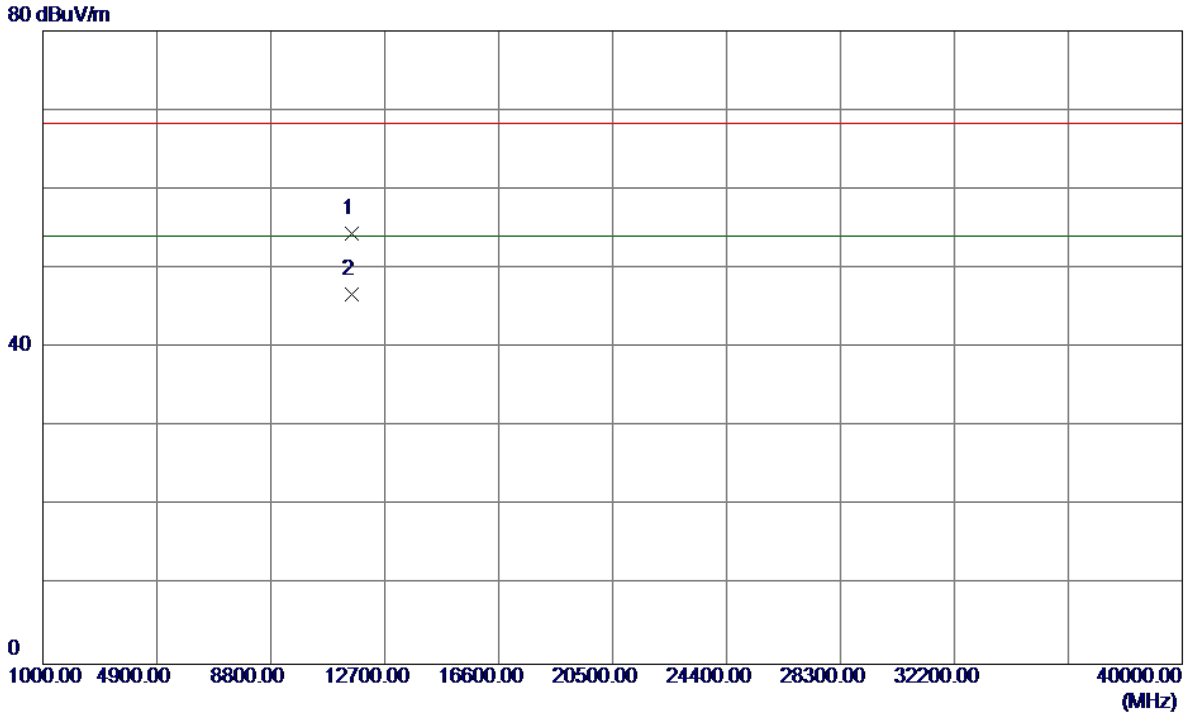
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5792.1000	52.86	42.79	95.65	122.30	-26.65	AVG	
2 *	5781.9000	61.56	42.78	104.34	122.30	-17.96	Peak	

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

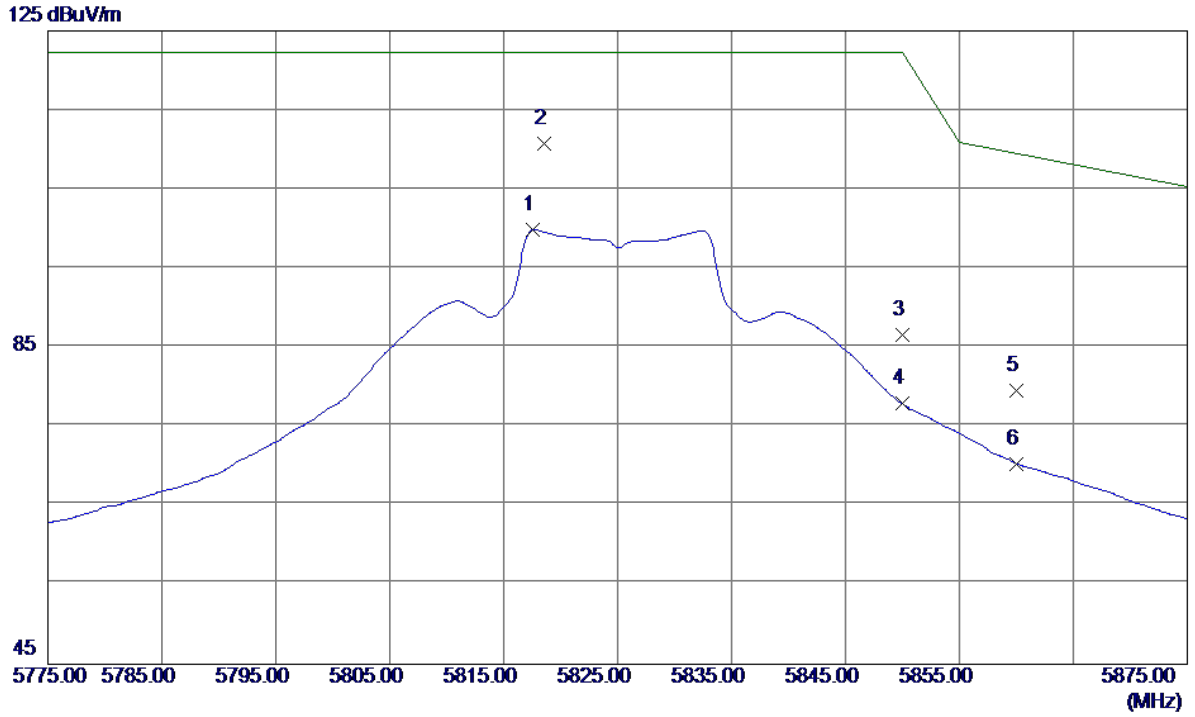
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11571.7500	36.62	17.85	54.47	68.30	-13.83	Peak	
2 *	11572.6500	28.83	17.85	46.68	54.00	-7.32	AVG	

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

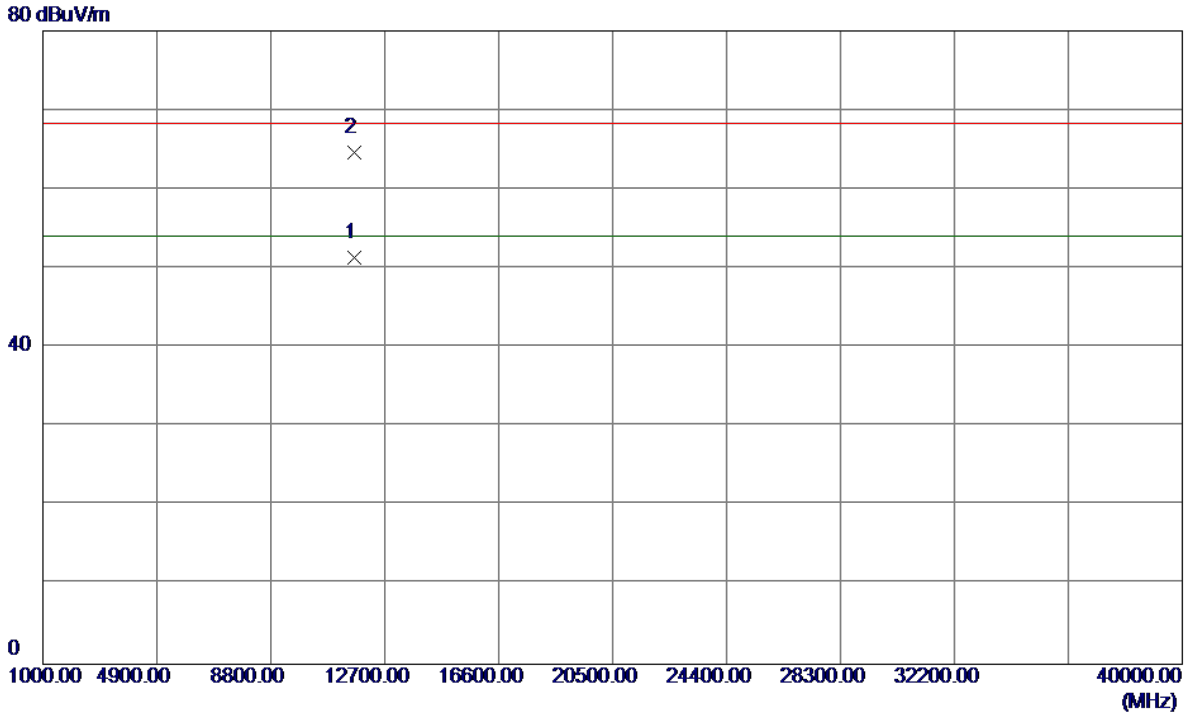
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5817.6000	57.08	42.81	99.89	122.30	-22.41	AVG	
2 *	5818.6000	67.88	42.81	110.69	122.30	-11.61	Peak	
3	5850.0000	43.79	42.84	86.63	122.30	-35.67	Peak	
4	5850.0000	35.05	42.84	77.89	122.30	-44.41	AVG	
5	5860.0000	36.65	42.85	79.50	109.50	-30.00	Peak	
6	5860.0000	27.48	42.85	70.33	109.50	-39.17	AVG	

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

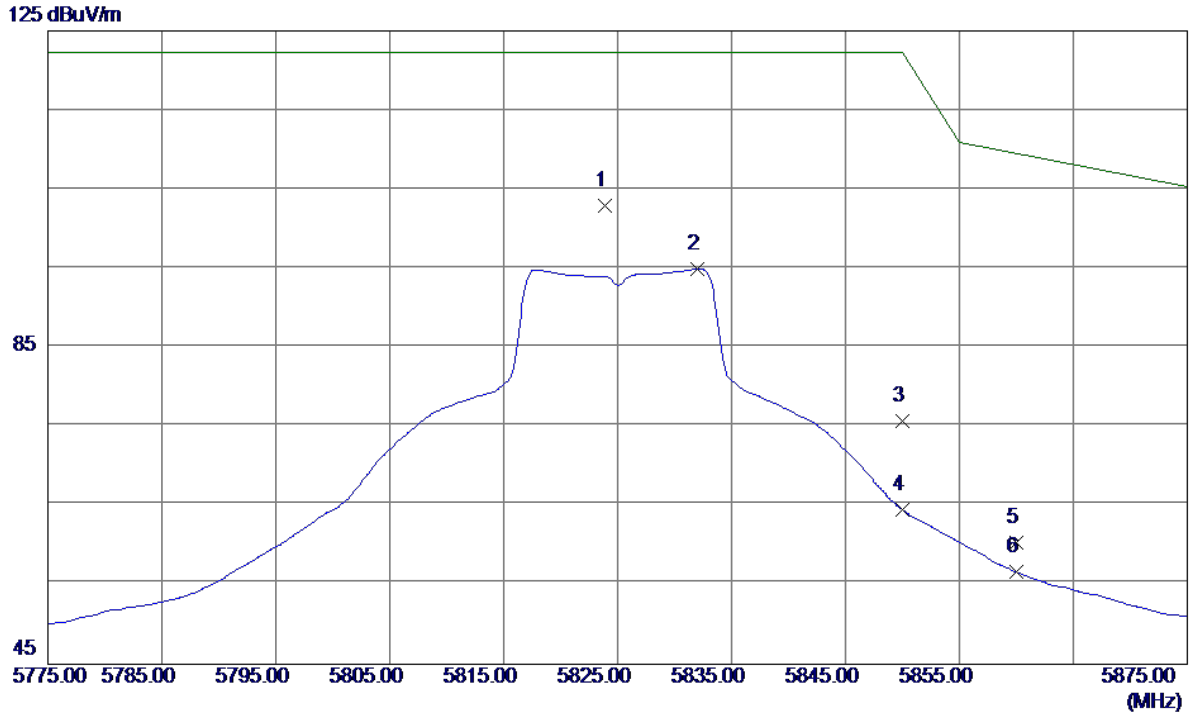
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11649.8500	33.62	17.79	51.41	54.00	-2.59	AVG	
2	11652.8500	46.83	17.78	64.61	68.30	-3.69	Peak	

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

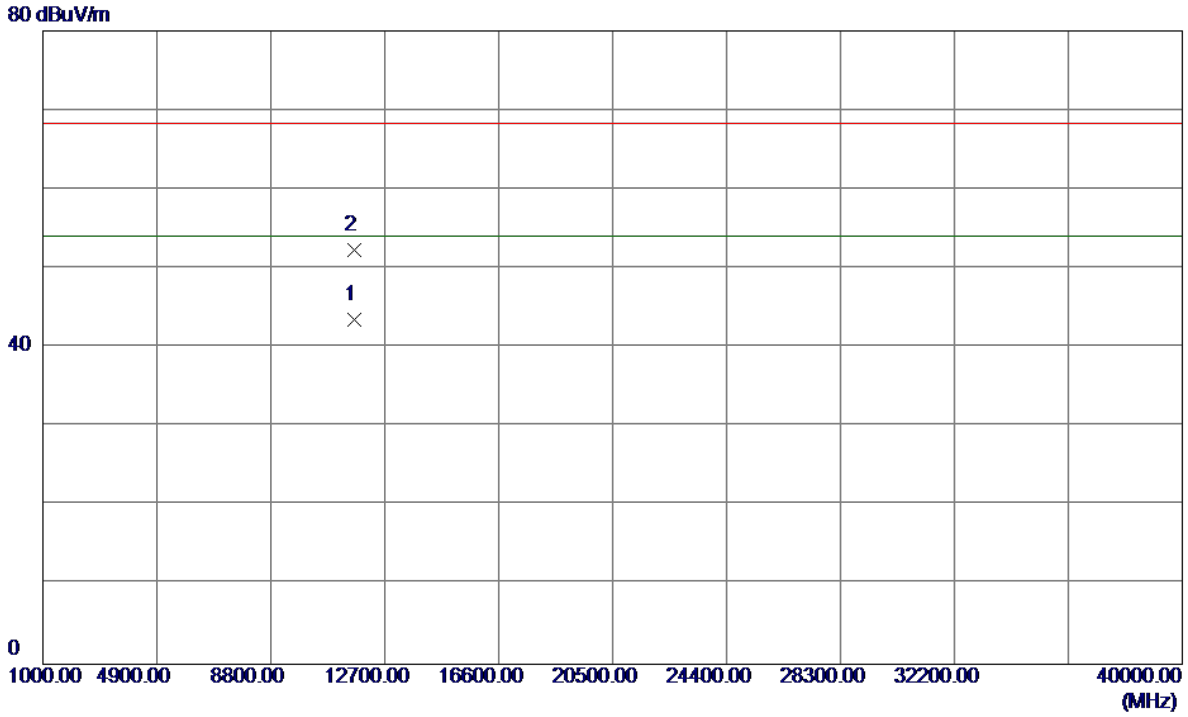
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5823.9000	60.13	42.81	102.94	122.30	-19.36	Peak	
2	5832.0000	52.08	42.82	94.90	122.30	-27.40	AVG	
3	5850.0000	32.91	42.84	75.75	122.30	-46.55	Peak	
4	5850.0000	21.66	42.84	64.50	122.30	-57.80	AVG	
5	5860.0000	17.49	42.85	60.34	109.50	-49.16	Peak	
6	5860.0000	13.78	42.85	56.63	109.50	-52.87	AVG	

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

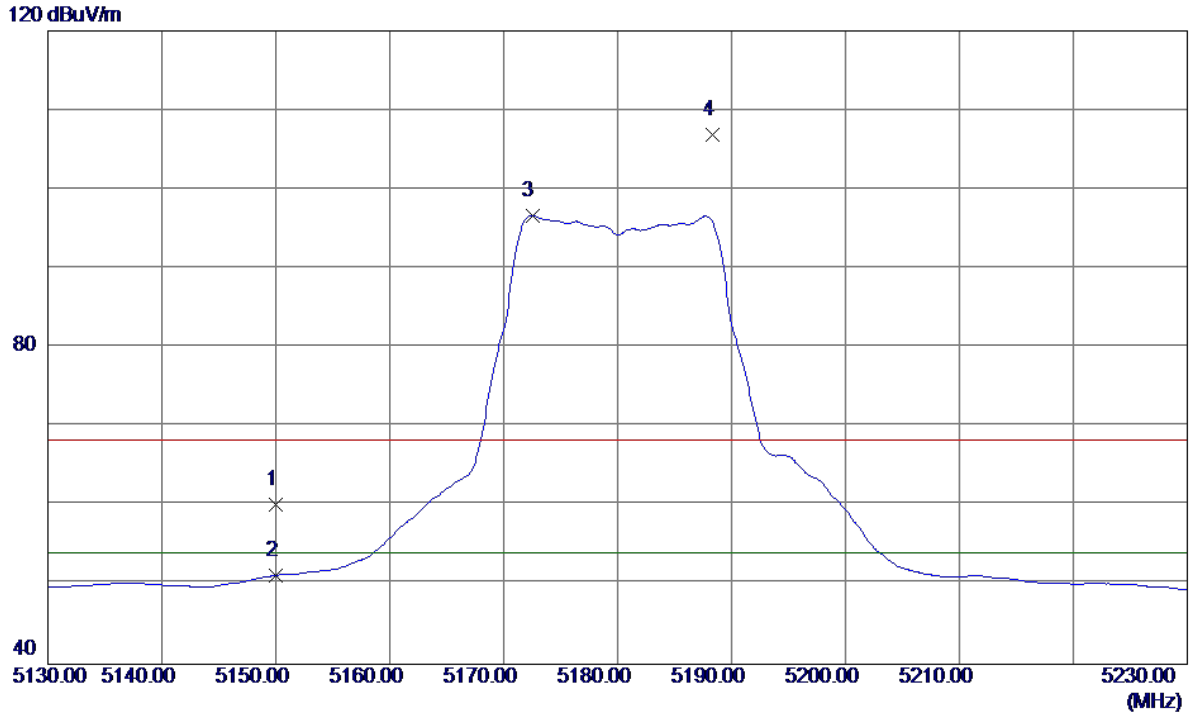
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11650.1500	25.74	17.79	43.53	54.00	-10.47	AVG	
2	11653.3500	34.58	17.78	52.36	68.30	-15.94	Peak	

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

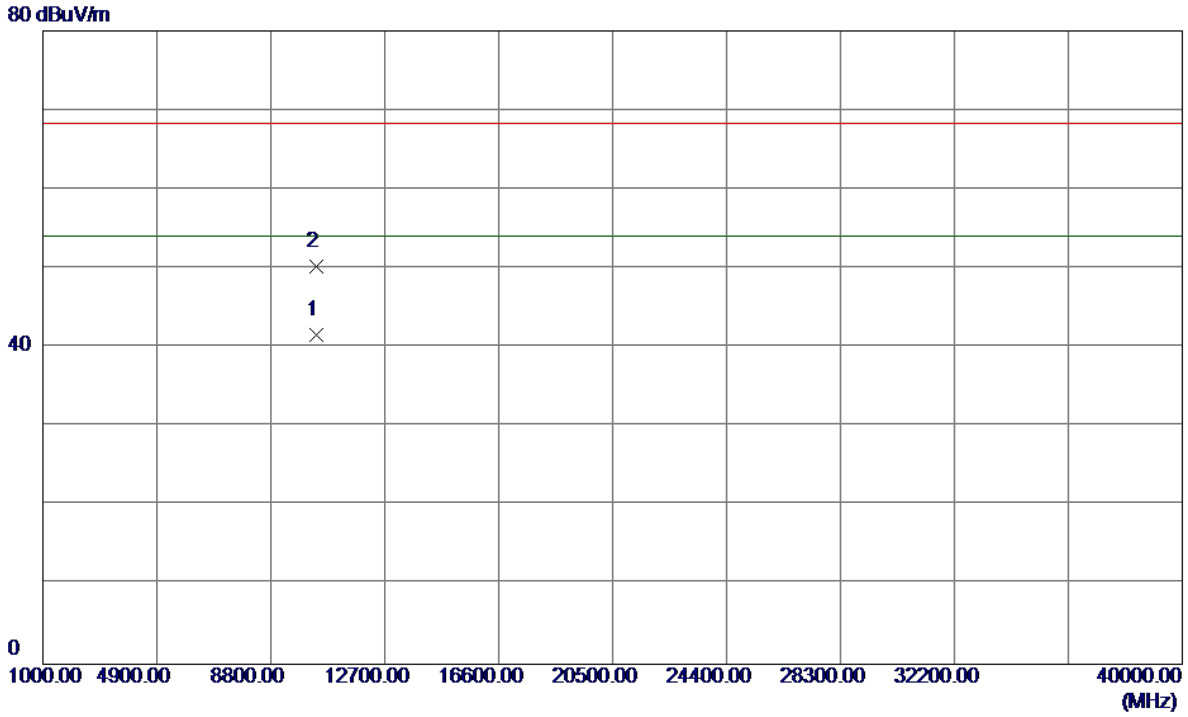
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	18.74	41.35	60.09	68.30	-8.21	Peak	
2	5150.0000	9.89	41.35	51.24	54.00	-2.76	AVG	
3 *	5172.5000	55.27	41.42	96.69	54.00	42.69	AVG	No Limit
4	5188.3000	65.41	41.48	106.89	68.30	38.59	Peak	No Limit

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

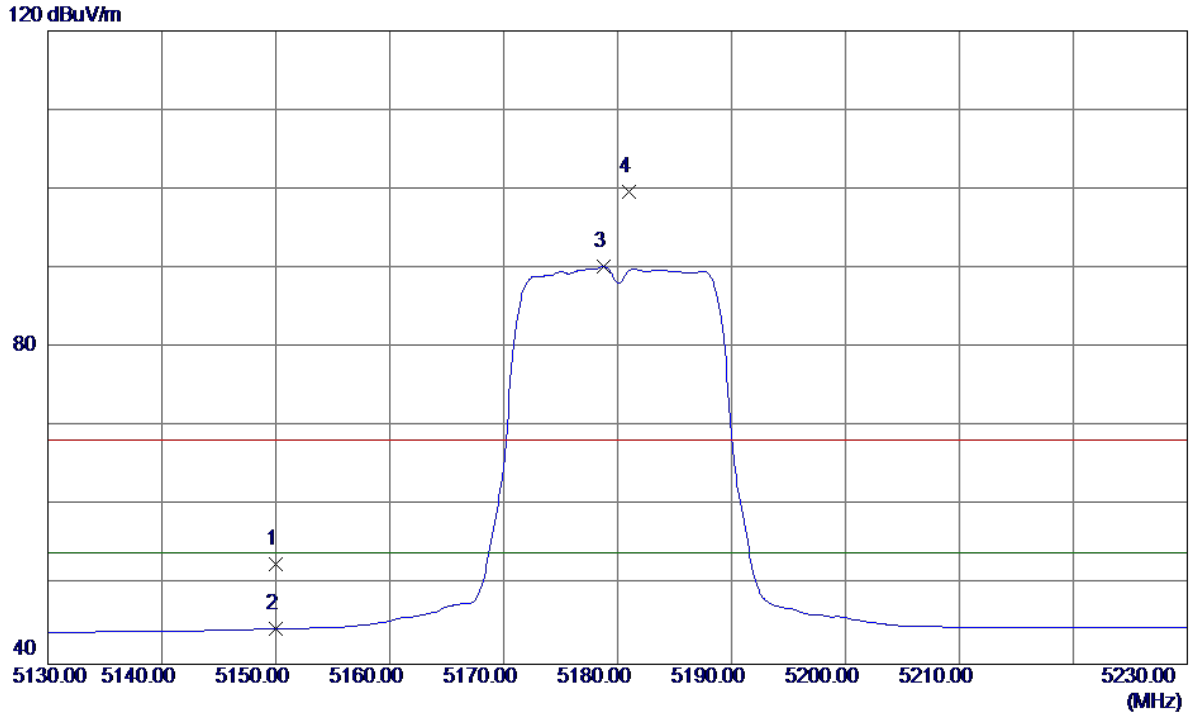
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.3000	25.21	16.36	41.57	54.00	-12.43	AVG	
2	10360.3500	33.81	16.36	50.17	68.30	-18.13	Peak	

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

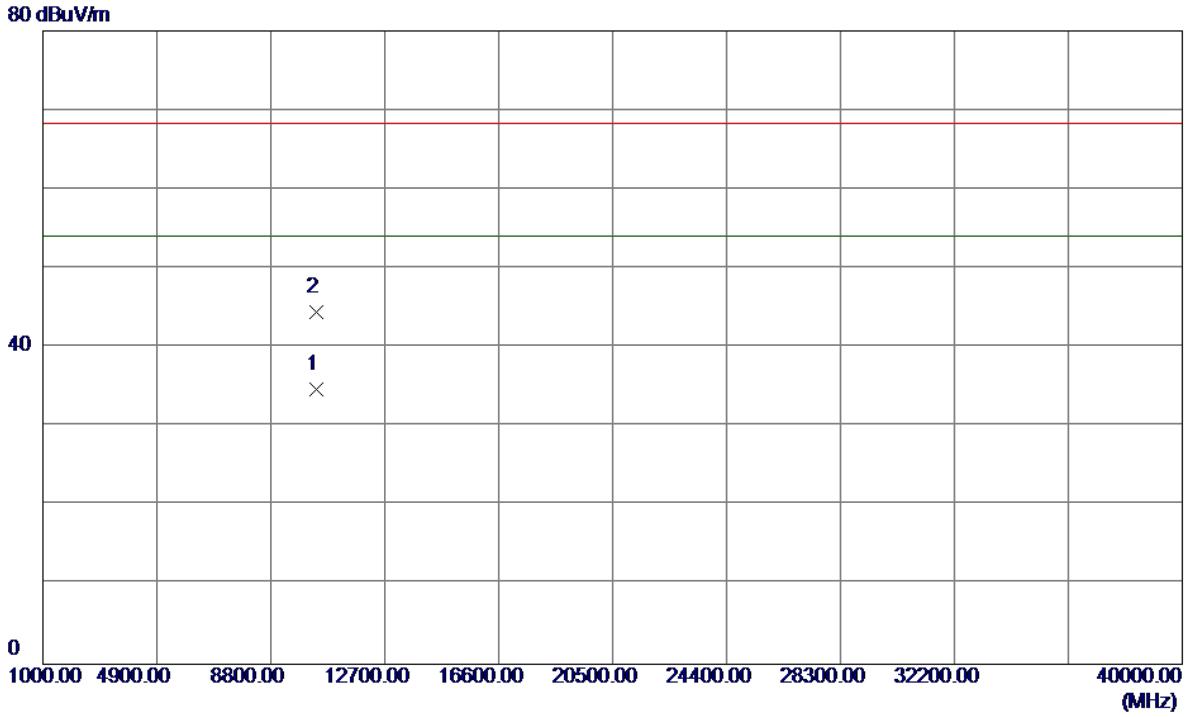
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	11.35	41.35	52.70	68.30	-15.60	Peak	
2	5150.0000	3.10	41.35	44.45	54.00	-9.55	AVG	
3 *	5178.8000	48.75	41.44	90.19	54.00	36.19	AVG	No Limit
4	5181.0000	58.21	41.45	99.66	68.30	31.36	Peak	No Limit

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

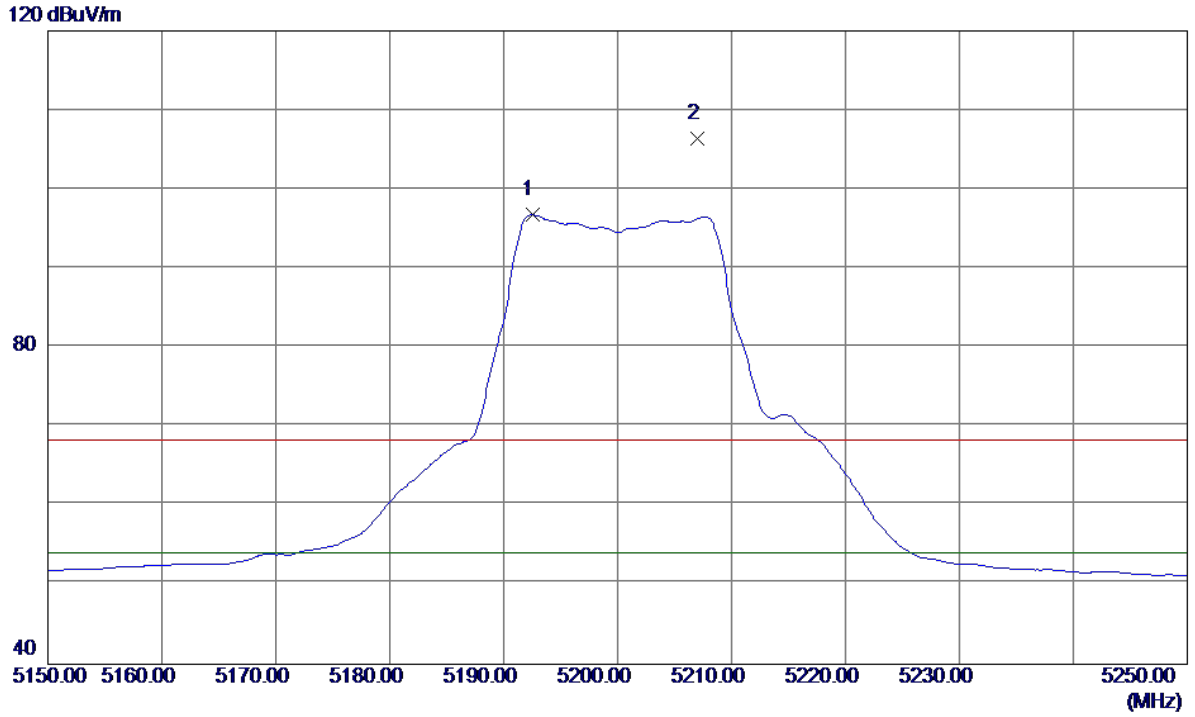
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.1250	18.38	16.36	34.74	54.00	-19.26	AVG	
2	10359.6750	28.05	16.36	44.41	68.30	-23.89	Peak	

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

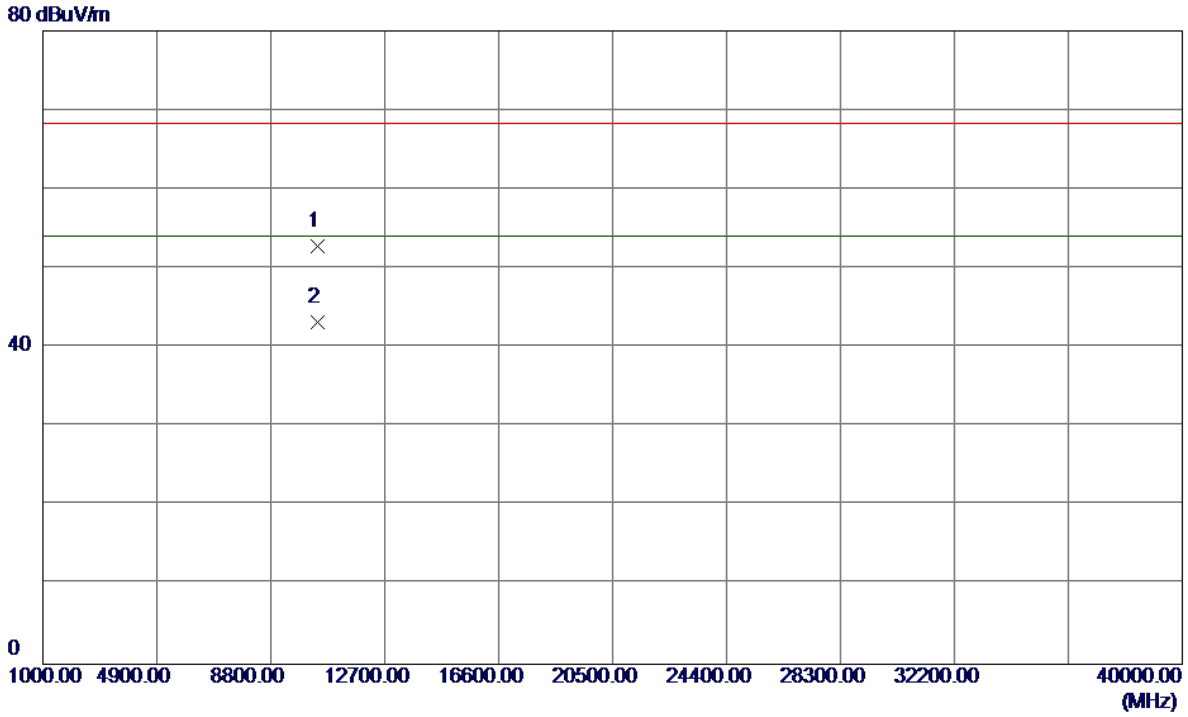
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5192.5000	55.27	41.49	96.76	54.00	42.76	AVG	No Limit
2	5207.0000	64.82	41.54	106.36	68.30	38.06	Peak	No Limit

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

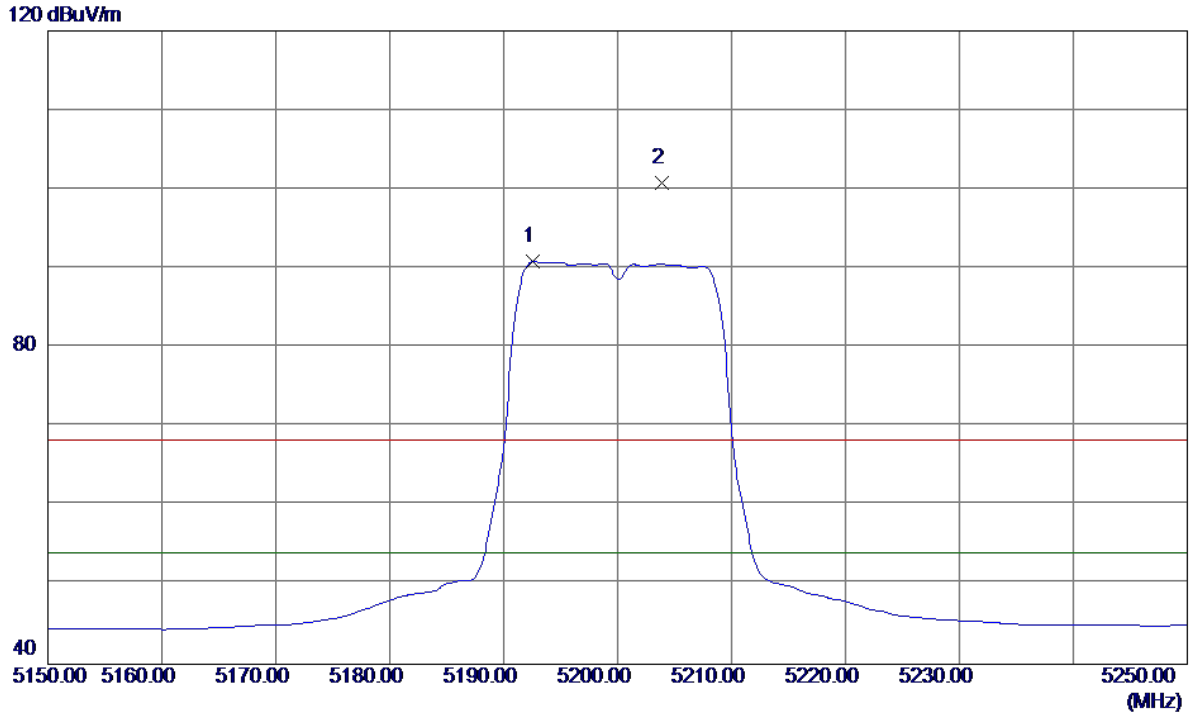
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10399.9500	36.30	16.45	52.75	68.30	-15.55	Peak	
2 *	10401.6000	26.76	16.45	43.21	54.00	-10.79	AVG	

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

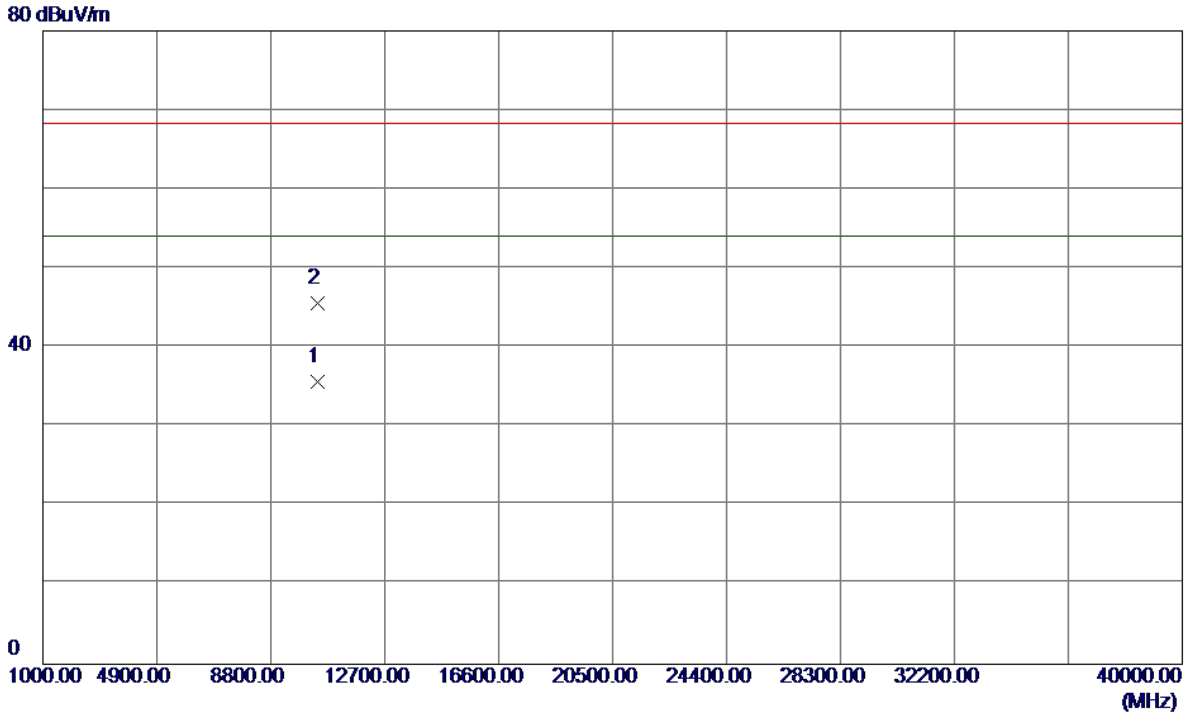
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5192.6000	49.40	41.49	90.89	54.00	36.89	AVG	No Limit
2	5203.9000	59.26	41.53	100.79	68.30	32.49	Peak	No Limit

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

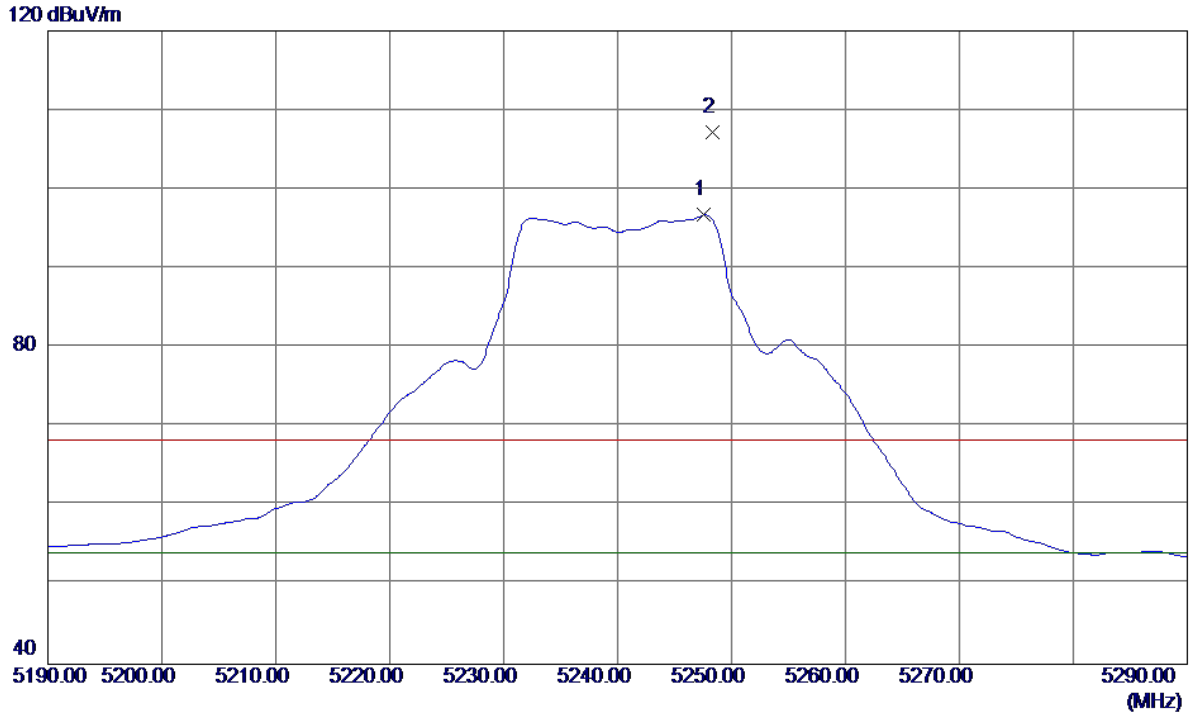
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.5000	19.18	16.45	35.63	54.00	-18.37	AVG	
2	10400.5750	29.10	16.45	45.55	68.30	-22.75	Peak	

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

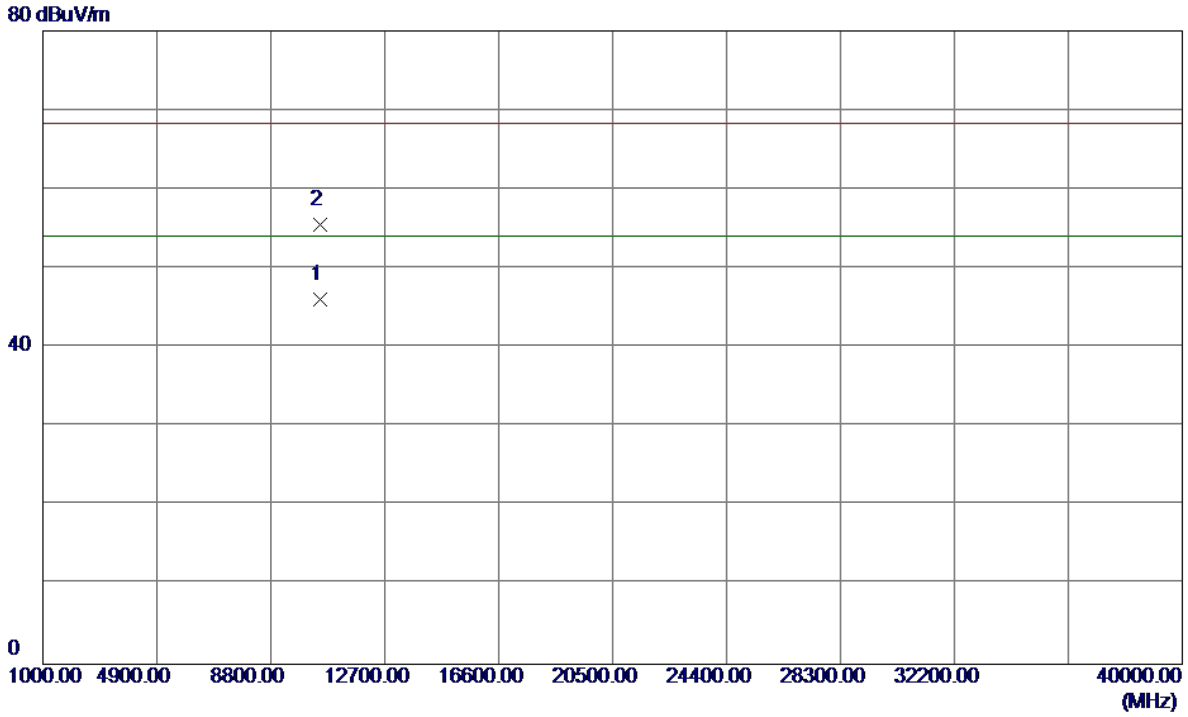
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5247.6000	55.09	41.68	96.77	54.00	42.77	AVG	No Limit
2	5248.3000	65.49	41.68	107.17	68.30	38.87	Peak	No Limit

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

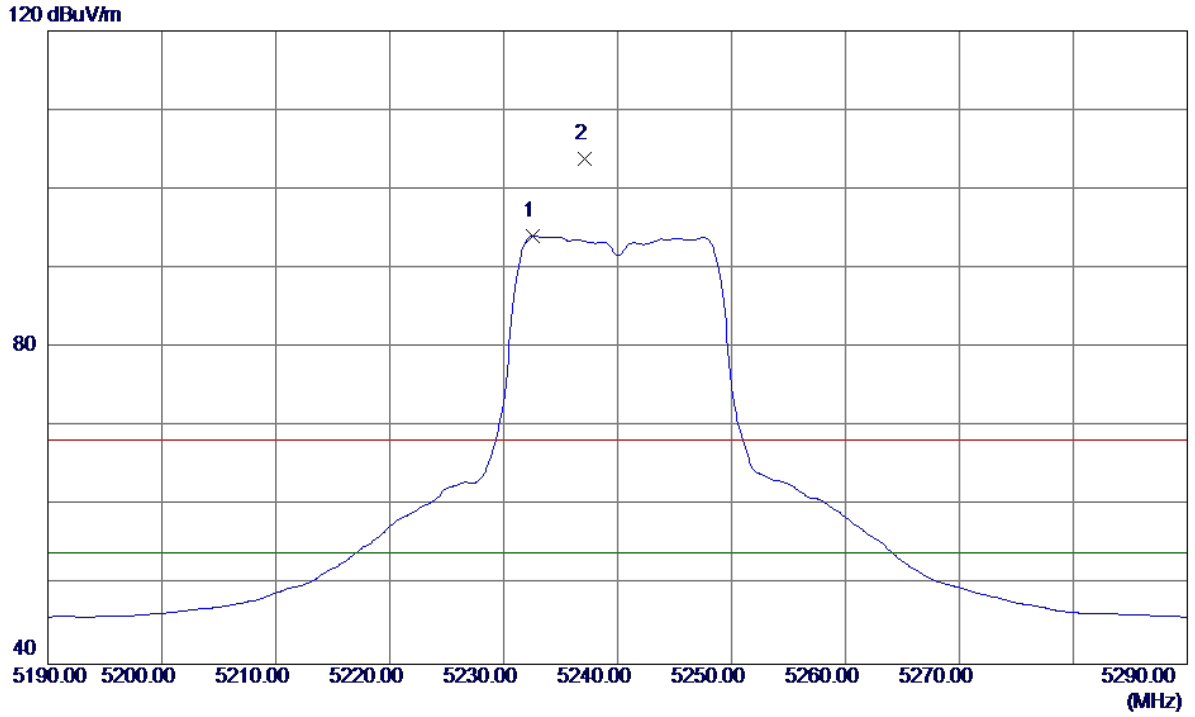
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10478.8000	29.40	16.62	46.02	54.00	-7.98	AVG	
2	10480.9500	38.93	16.63	55.56	68.30	-12.74	Peak	

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

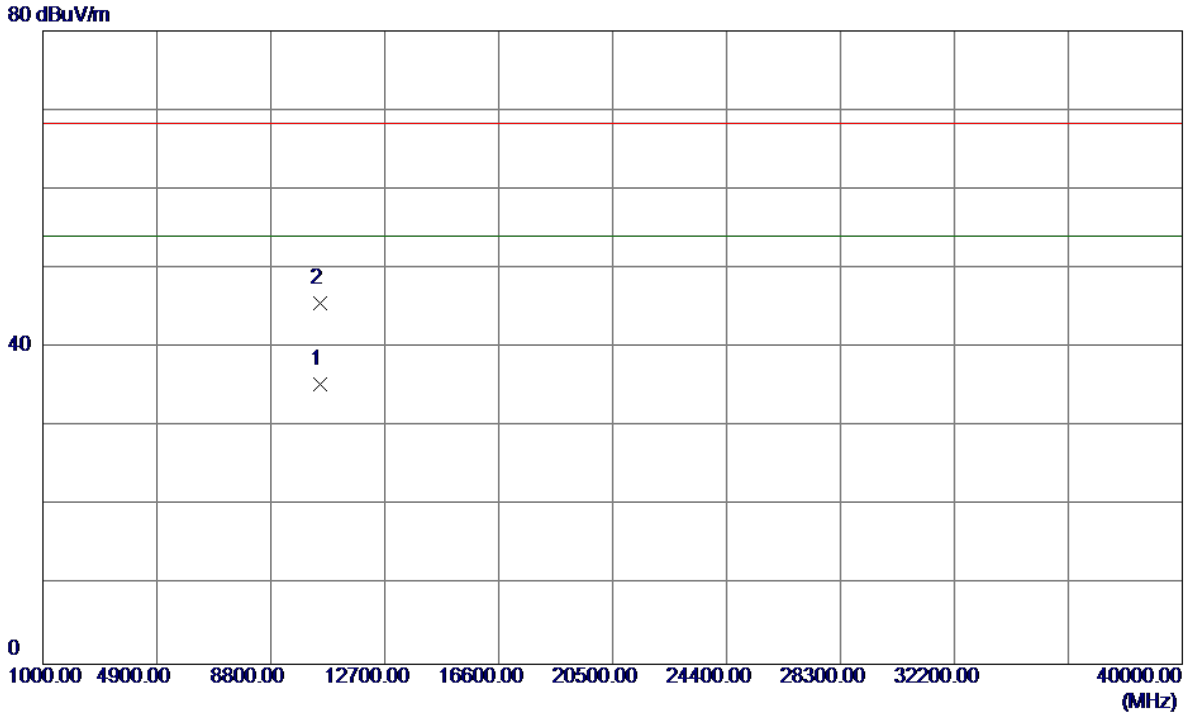
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5232.6000	52.52	41.63	94.15	54.00	40.15	AVG	No Limit
2	5237.1000	62.20	41.64	103.84	68.30	35.54	Peak	No Limit

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

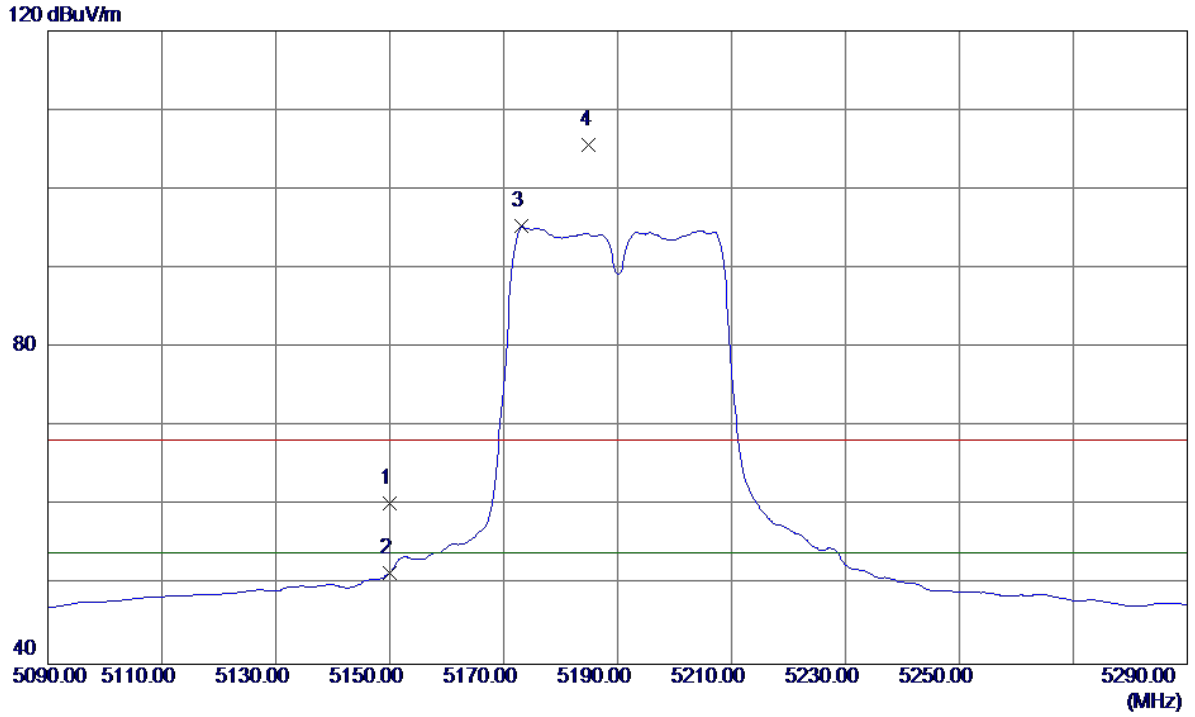
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10479.8500	18.66	16.63	35.29	54.00	-18.71	AVG	
2	10480.4000	28.89	16.63	45.52	68.30	-22.78	Peak	

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

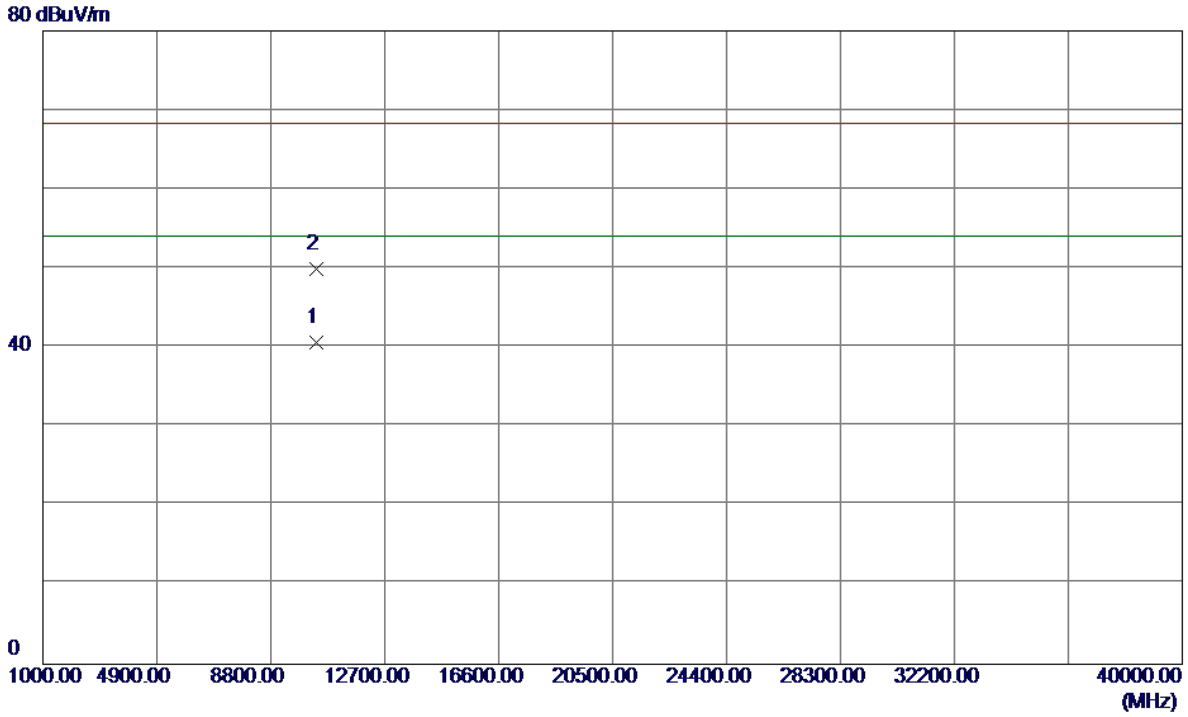
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	18.97	41.35	60.32	68.30	-7.98	Peak	
2	5150.0000	10.23	41.35	51.58	54.00	-2.42	AVG	
3 *	5173.2000	53.87	41.43	95.30	54.00	41.30	AVG	No Limit
4	5185.0000	64.16	41.47	105.63	68.30	37.33	Peak	No Limit

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

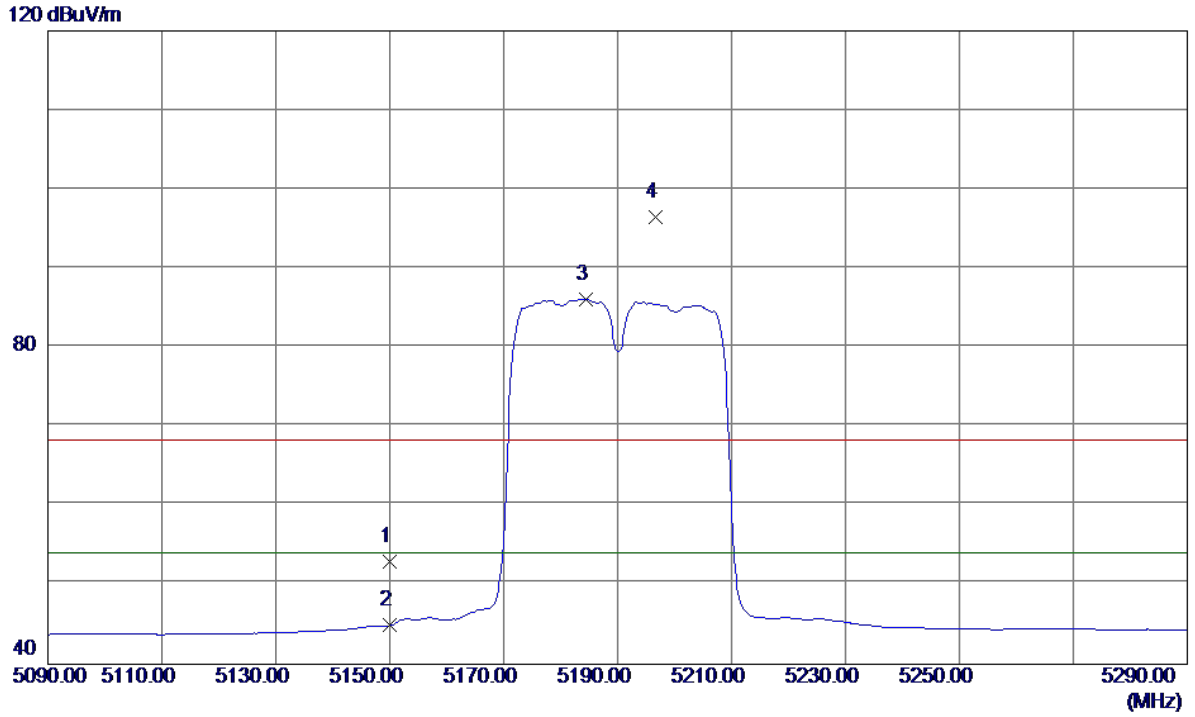
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	24.19	16.40	40.59	54.00	-13.41	AVG	
2	10381.3500	33.50	16.41	49.91	68.30	-18.39	Peak	

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

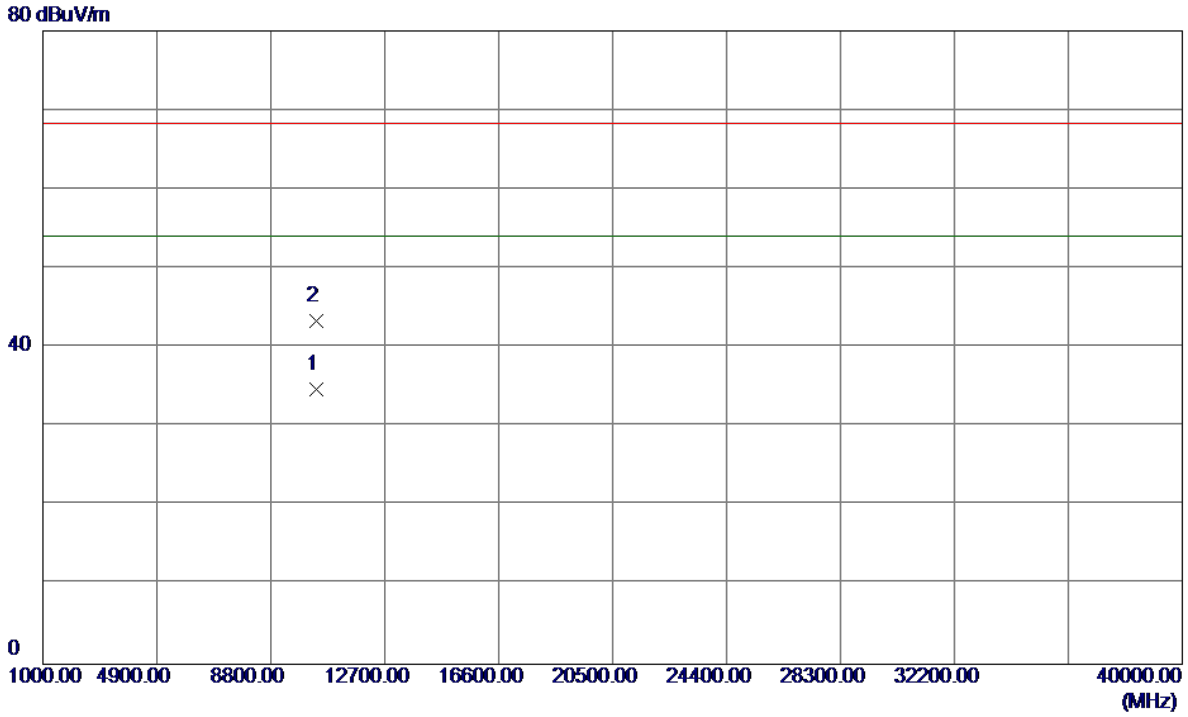
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	11.56	41.35	52.91	68.30	-15.39	Peak	
2	5150.0000	3.56	41.35	44.91	54.00	-9.09	AVG	
3 *	5184.4000	44.65	41.46	86.11	54.00	32.11	AVG	No Limit
4	5196.6000	55.05	41.50	96.55	68.30	28.25	Peak	No Limit

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

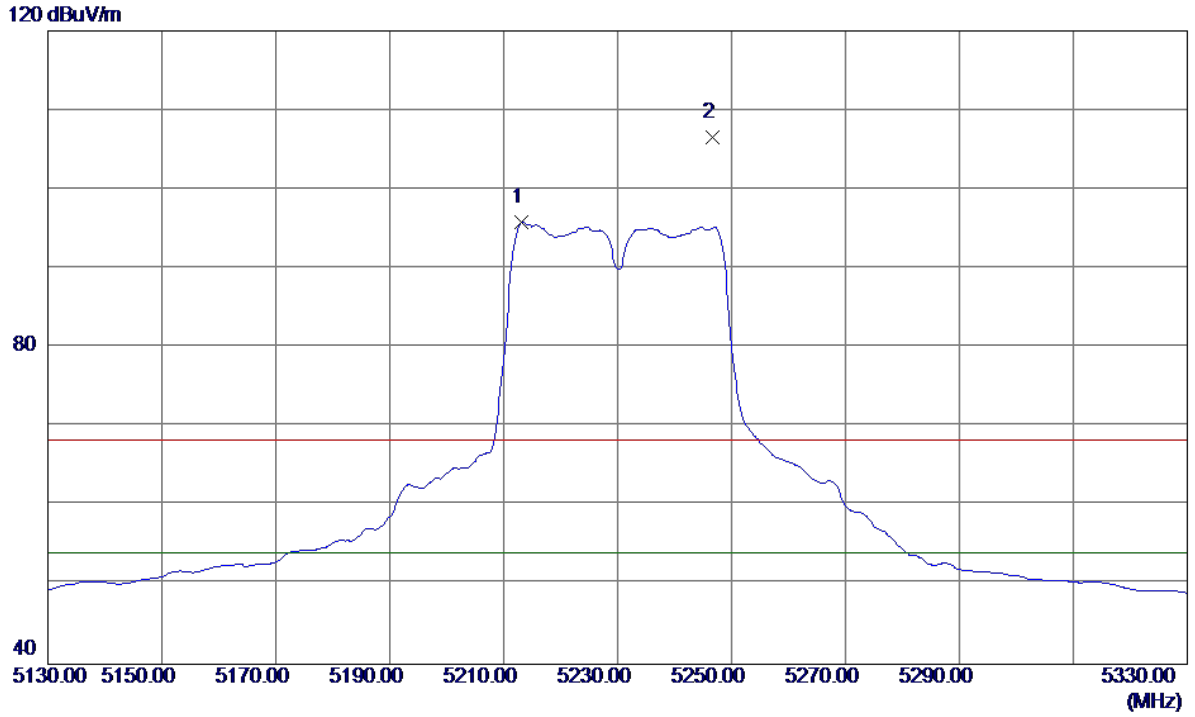
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10379.6000	18.35	16.40	34.75	54.00	-19.25	AVG	
2	10379.7500	26.91	16.40	43.31	68.30	-24.99	Peak	

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

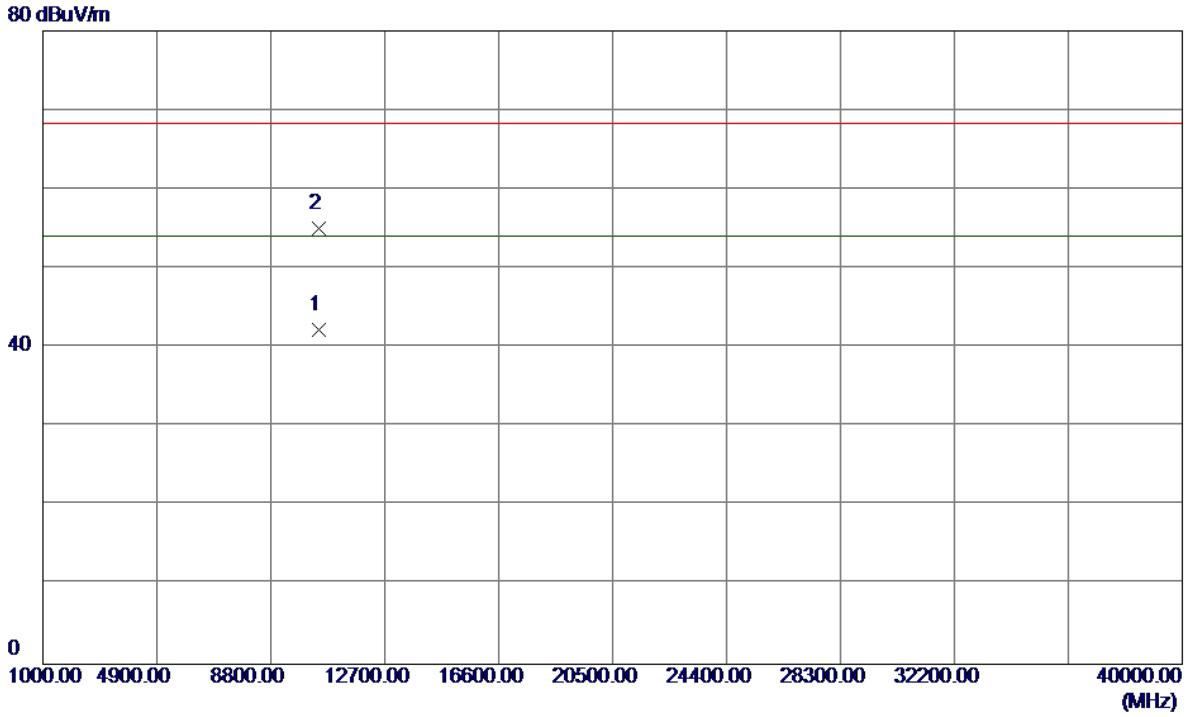
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5213.2000	54.35	41.56	95.91	54.00	41.91	AVG	No Limit
2	5246.6000	64.87	41.67	106.54	68.30	38.24	Peak	No Limit

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

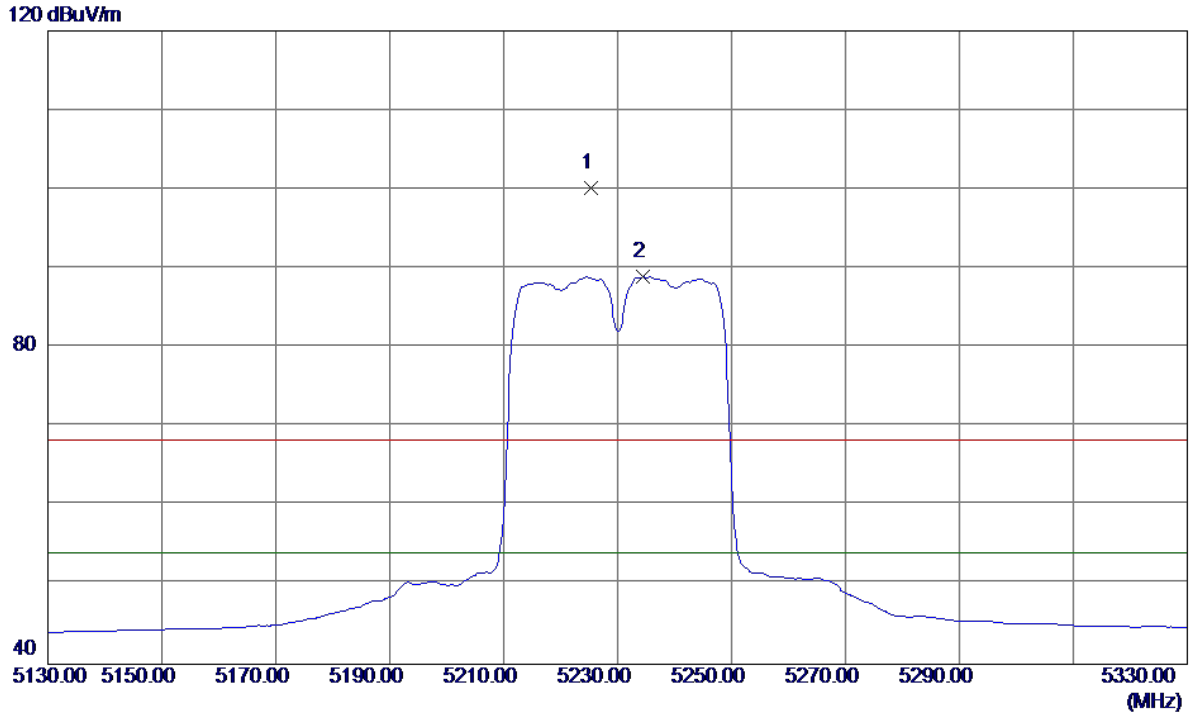
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10458.6500	25.63	16.58	42.21	54.00	-11.79	AVG	
2	10460.0000	38.43	16.58	55.01	68.30	-13.29	Peak	

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

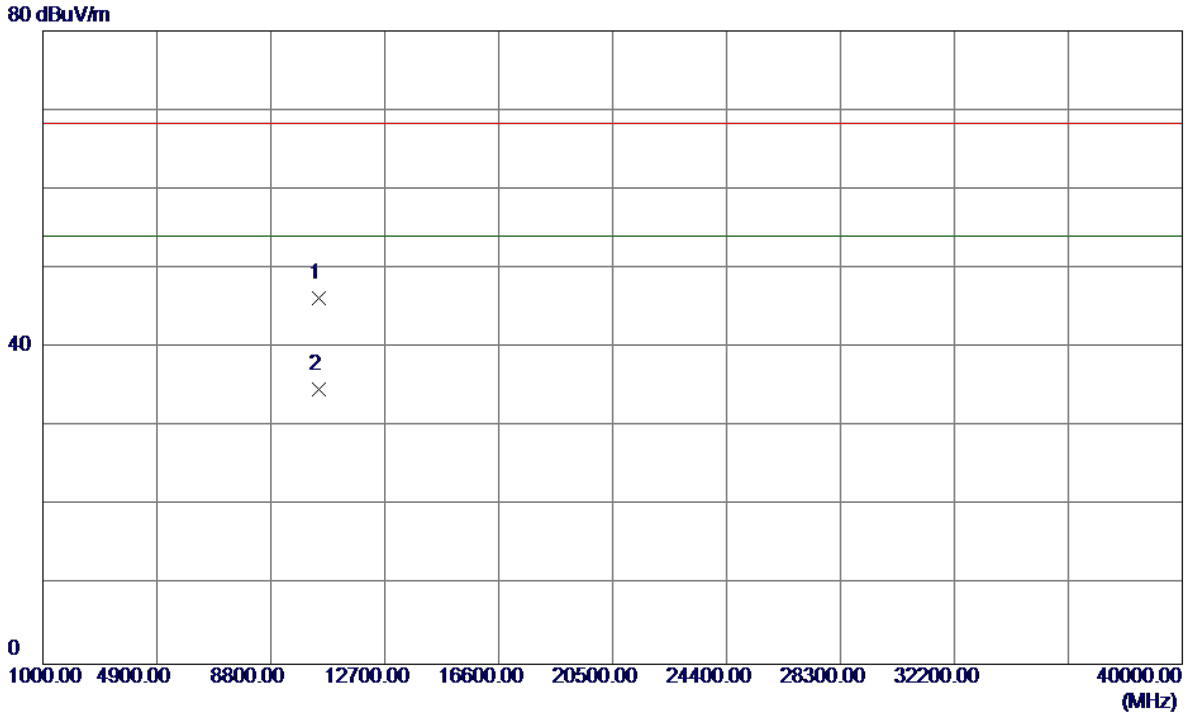
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5225.4000	58.62	41.60	100.22	68.30	31.92	Peak	No Limit
2 *	5234.4000	47.29	41.63	88.92	54.00	34.92	AVG	No Limit

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

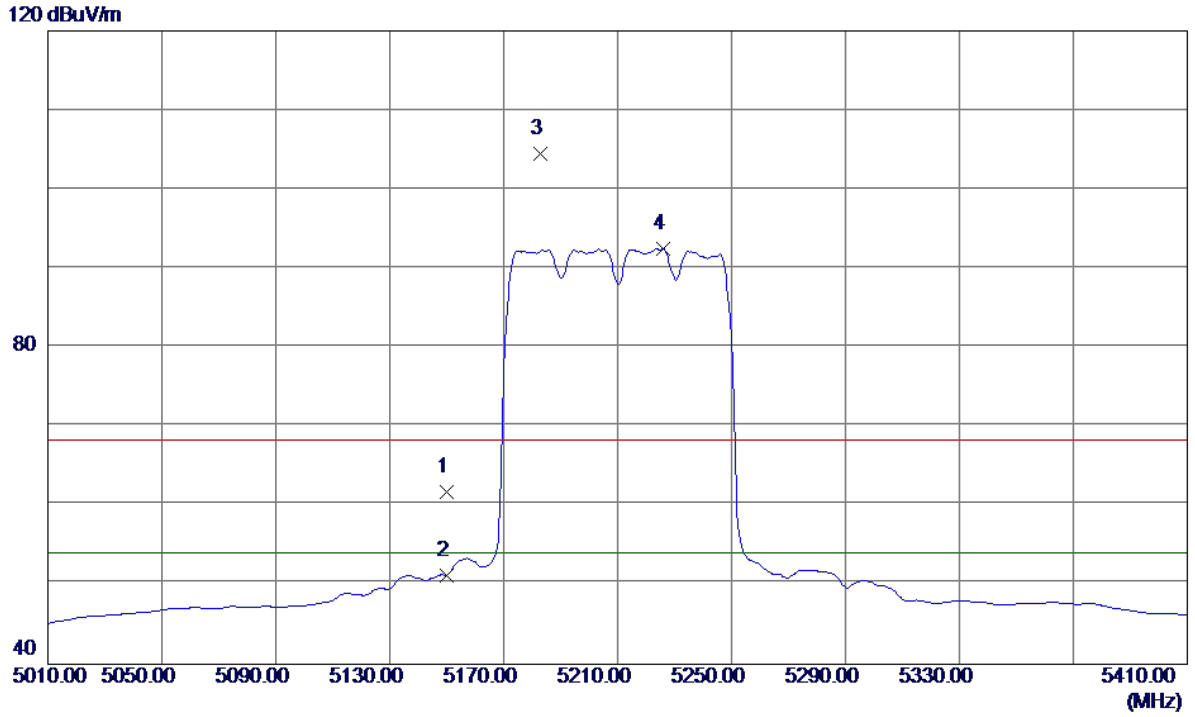
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10457.4000	29.63	16.58	46.21	68.30	-22.09	Peak	
2 *	10460.9500	18.17	16.58	34.75	54.00	-19.25	AVG	

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

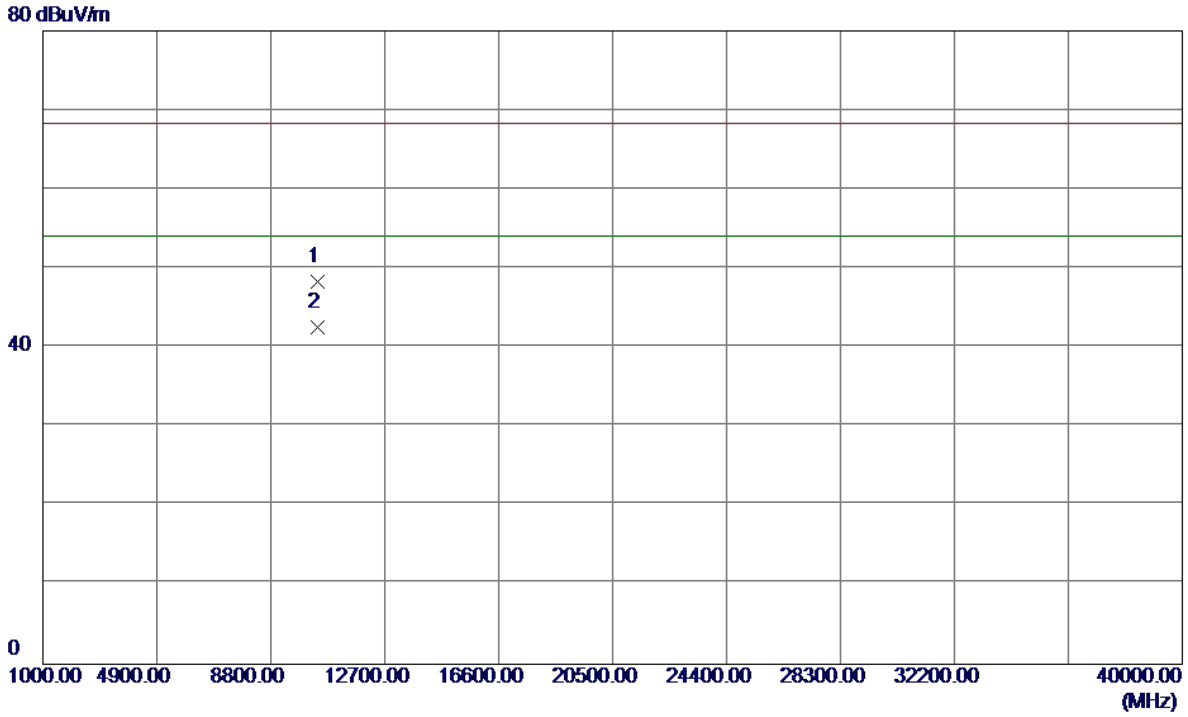
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.39	41.35	61.74	68.30	-6.56	Peak	
2	5150.0000	9.85	41.35	51.20	54.00	-2.80	AVG	
3	5182.8000	62.97	41.46	104.43	68.30	36.13	Peak	No Limit
4 *	5226.0000	50.93	41.60	92.53	54.00	38.53	AVG	No Limit

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

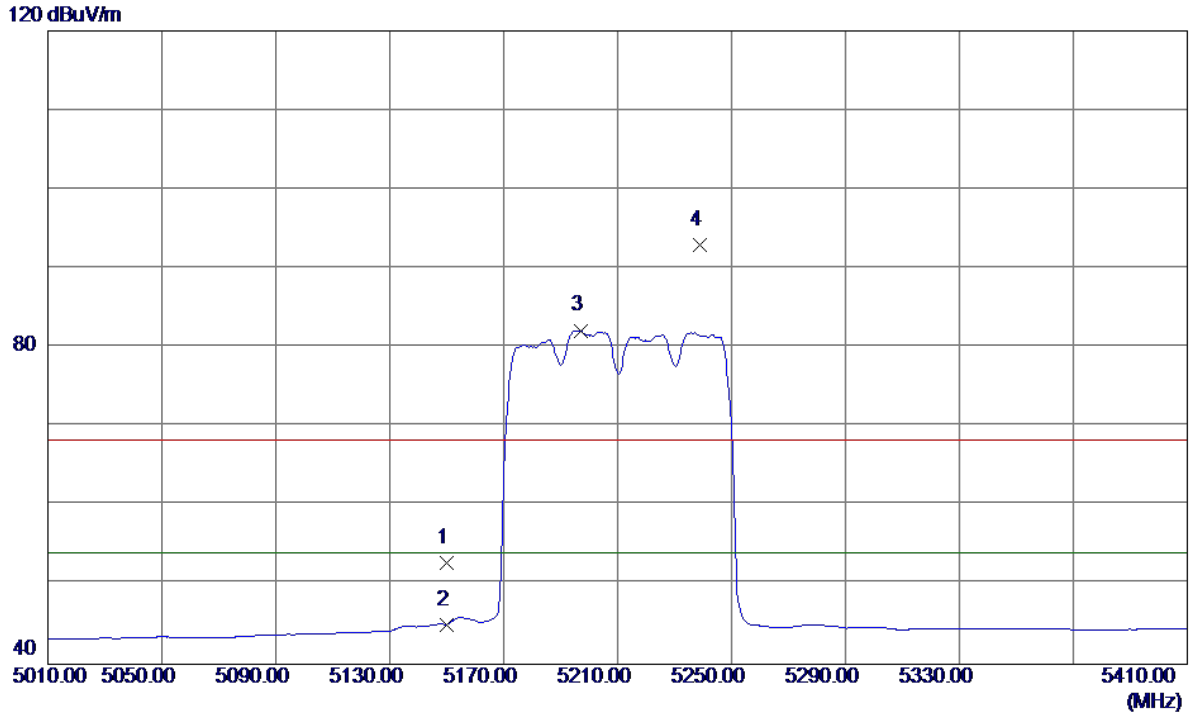
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10421.0000	31.83	16.49	48.32	68.30	-19.98	Peak	
2 *	10424.7500	26.03	16.50	42.53	54.00	-11.47	AVG	

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

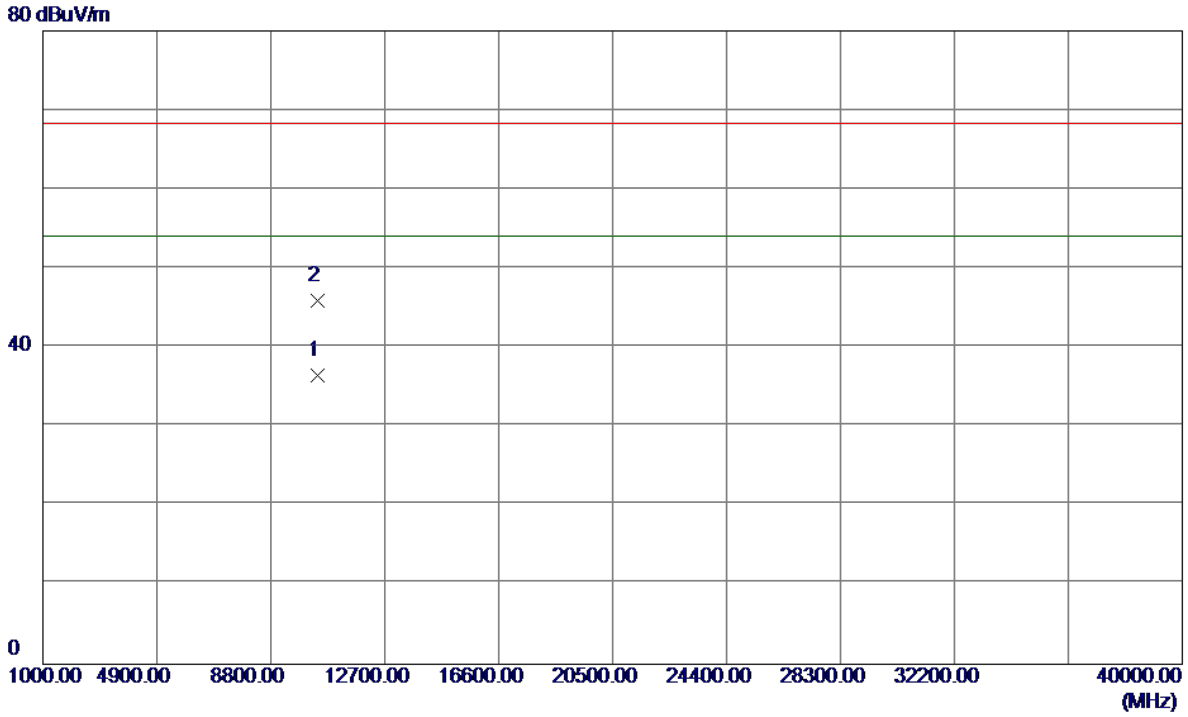
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	11.42	41.35	52.77	68.30	-15.53	Peak	
2	5150.0000	3.68	41.35	45.03	54.00	-8.97	AVG	
3 *	5197.2000	40.65	41.51	82.16	54.00	28.16	AVG	No Limit
4	5238.8000	51.33	41.65	92.98	68.30	24.68	Peak	No Limit

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

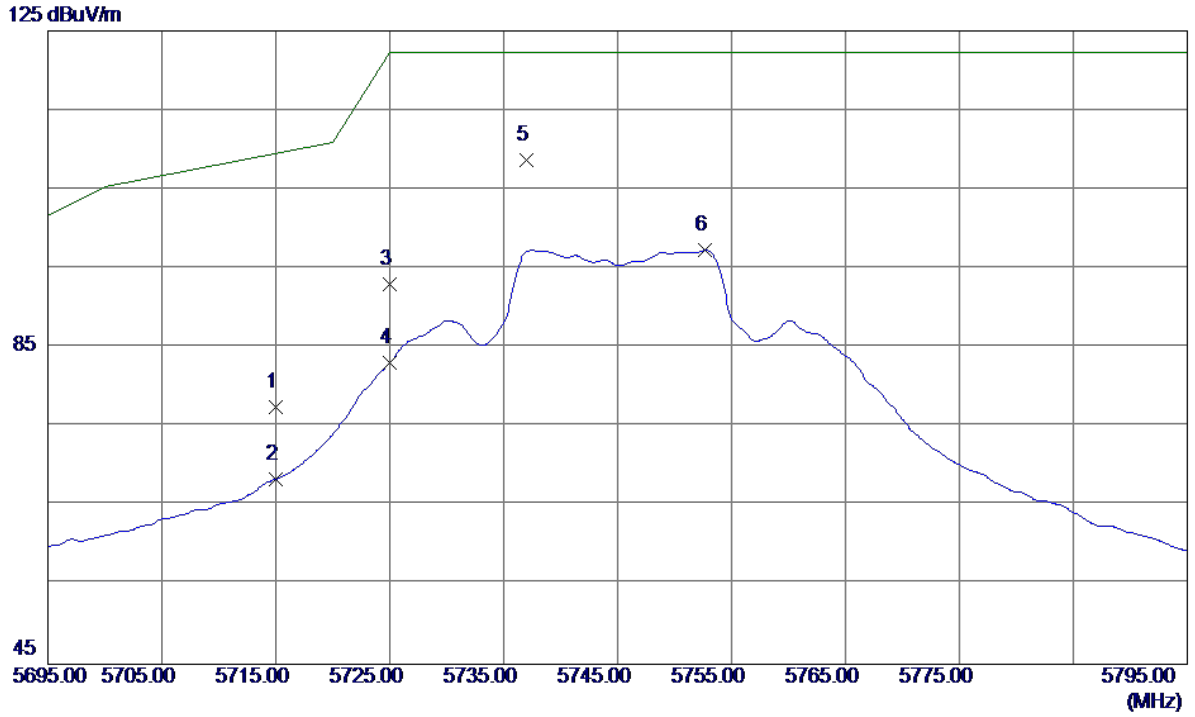
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10416.7500	20.04	16.49	36.53	54.00	-17.47	AVG	
2	10420.5000	29.42	16.49	45.91	68.30	-22.39	Peak	

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

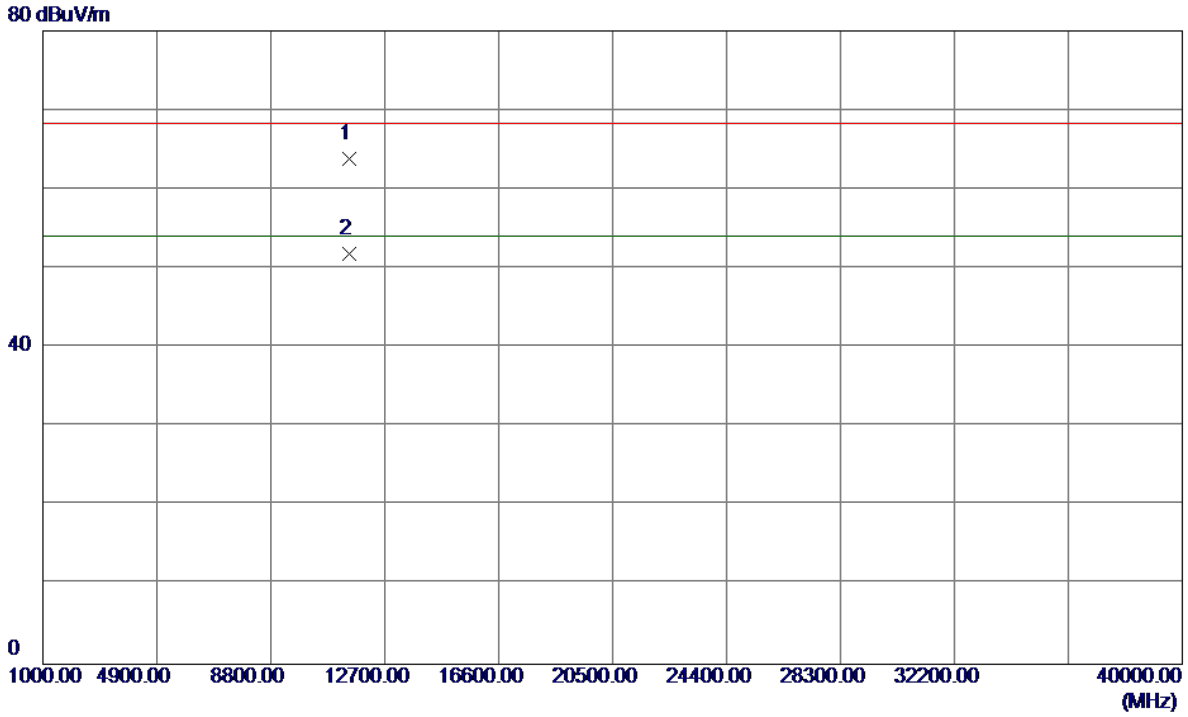
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	34.79	42.72	77.51	109.50	-31.99	Peak	
2	5715.0000	25.67	42.72	68.39	109.50	-41.11	AVG	
3	5725.0000	50.32	42.73	93.05	122.30	-29.25	Peak	
4	5725.0000	40.37	42.73	83.10	122.30	-39.20	AVG	
5 *	5737.0000	65.98	42.74	108.72	122.30	-13.58	Peak	
6	5752.7000	54.55	42.75	97.30	122.30	-25.00	AVG	

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

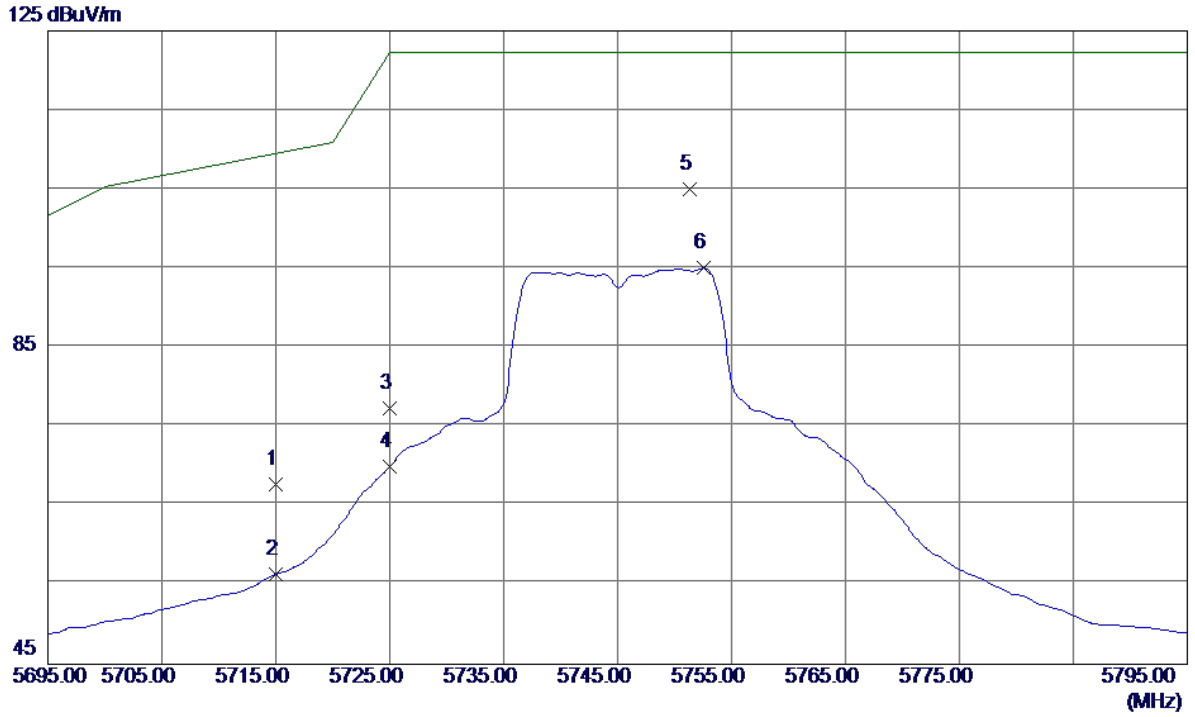
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11489.9000	45.94	17.89	63.83	68.30	-4.47	Peak	
2 *	11491.4000	33.88	17.89	51.77	54.00	-2.23	AVG	

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

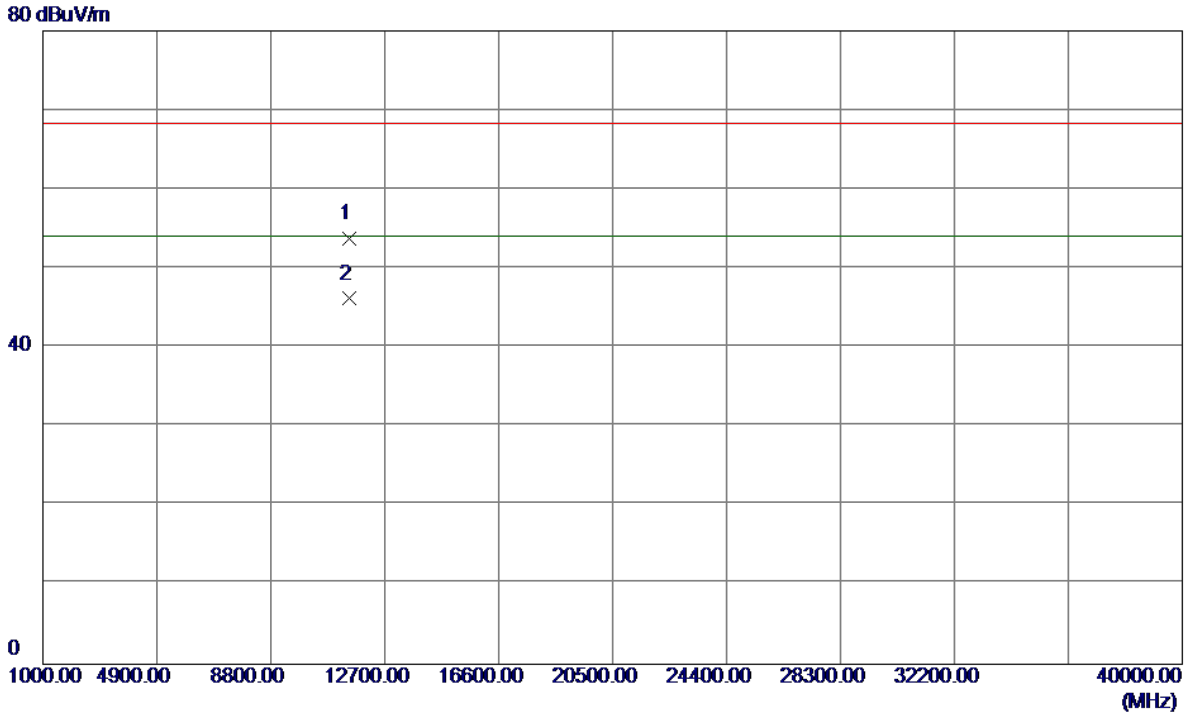
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	24.96	42.72	67.68	109.50	-41.82	Peak	
2	5715.0000	13.63	42.72	56.35	109.50	-53.15	AVG	
3	5725.0000	34.62	42.73	77.35	122.30	-44.95	Peak	
4	5725.0000	27.25	42.73	69.98	122.30	-52.32	AVG	
5 *	5751.3000	62.25	42.75	105.00	122.30	-17.30	Peak	
6	5752.6000	52.29	42.75	95.04	122.30	-27.26	AVG	

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

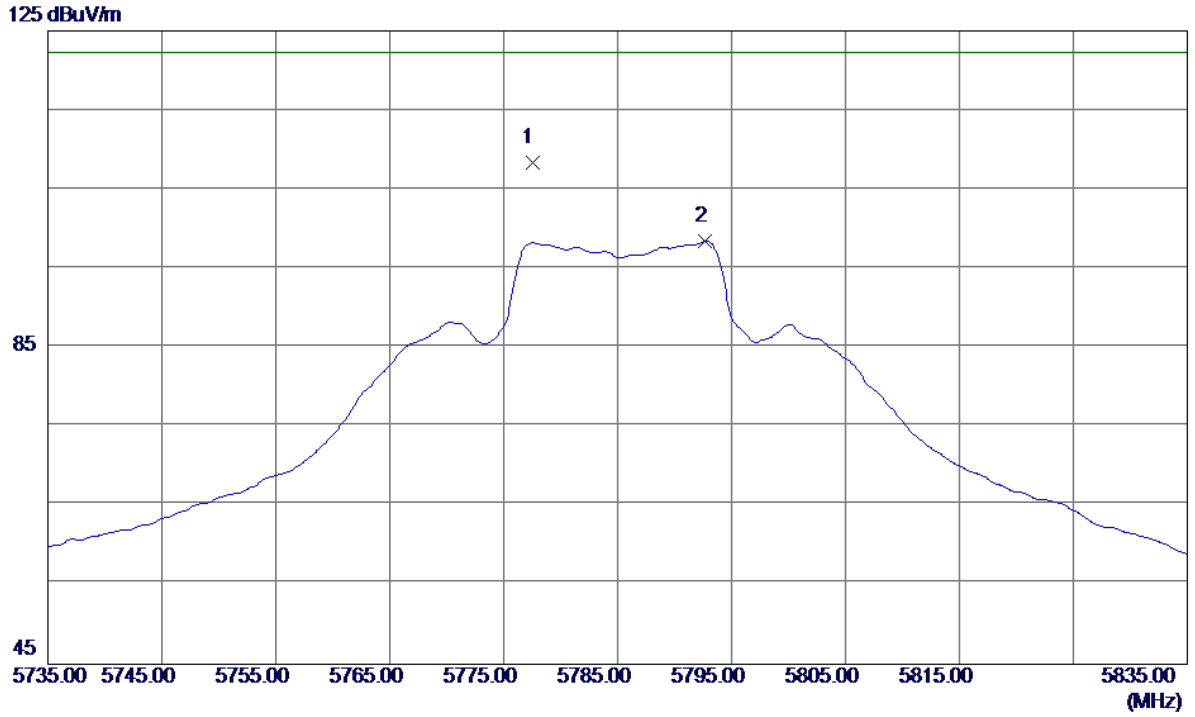
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11490.6000	35.93	17.89	53.82	68.30	-14.48	Peak	
2 *	11491.2500	28.27	17.89	46.16	54.00	-7.84	AVG	

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

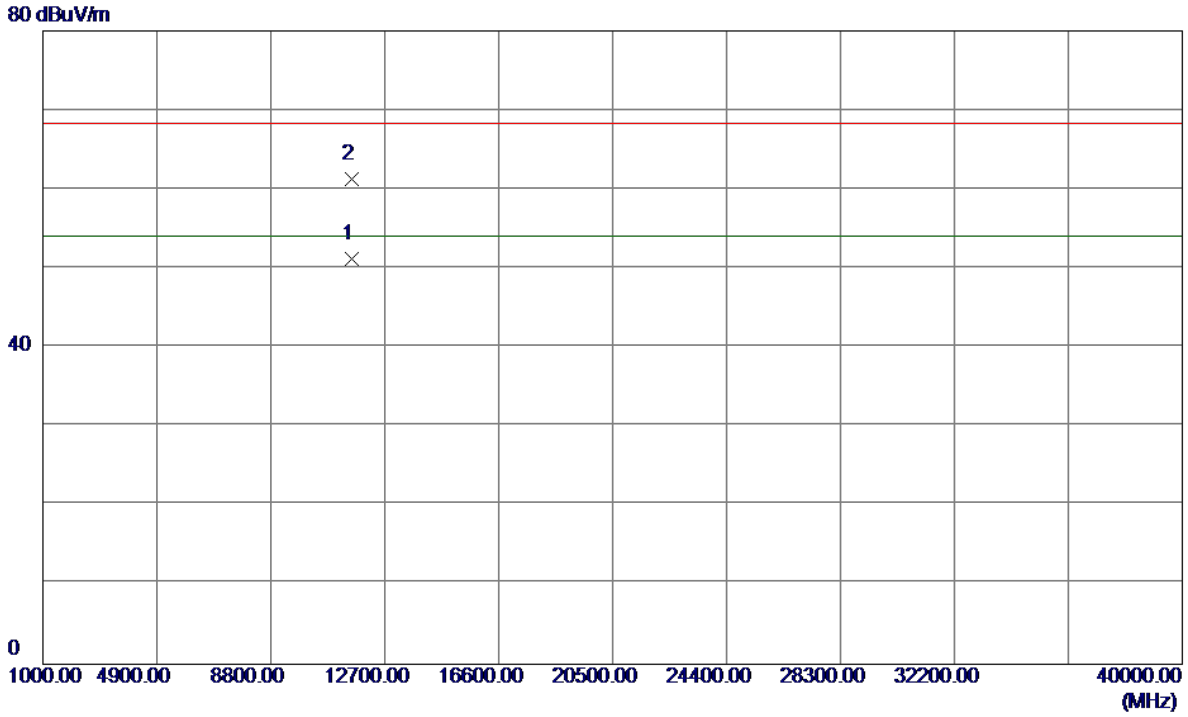
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5777.5000	65.60	42.77	108.37	122.30	-13.93	Peak	
2	5792.7000	55.67	42.79	98.46	122.30	-23.84	AVG	

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

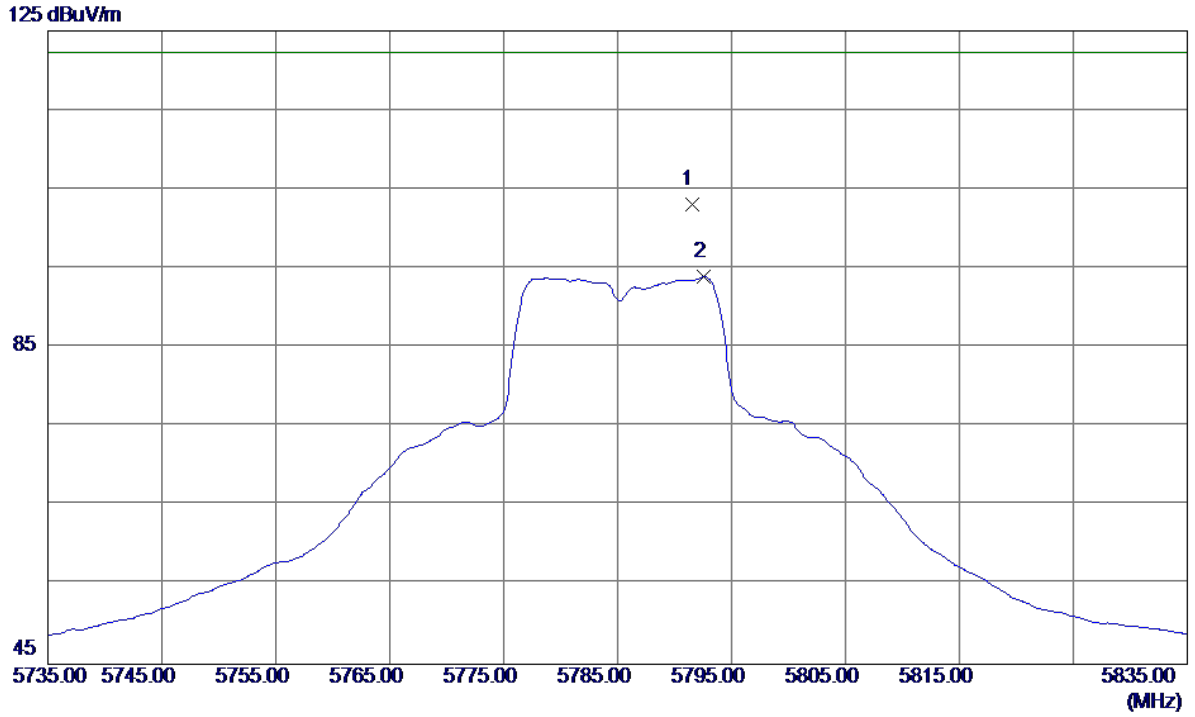
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11571.3500	33.36	17.85	51.21	54.00	-2.79	AVG	
2	11561.7500	43.39	17.86	61.25	68.30	-7.05	Peak	

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

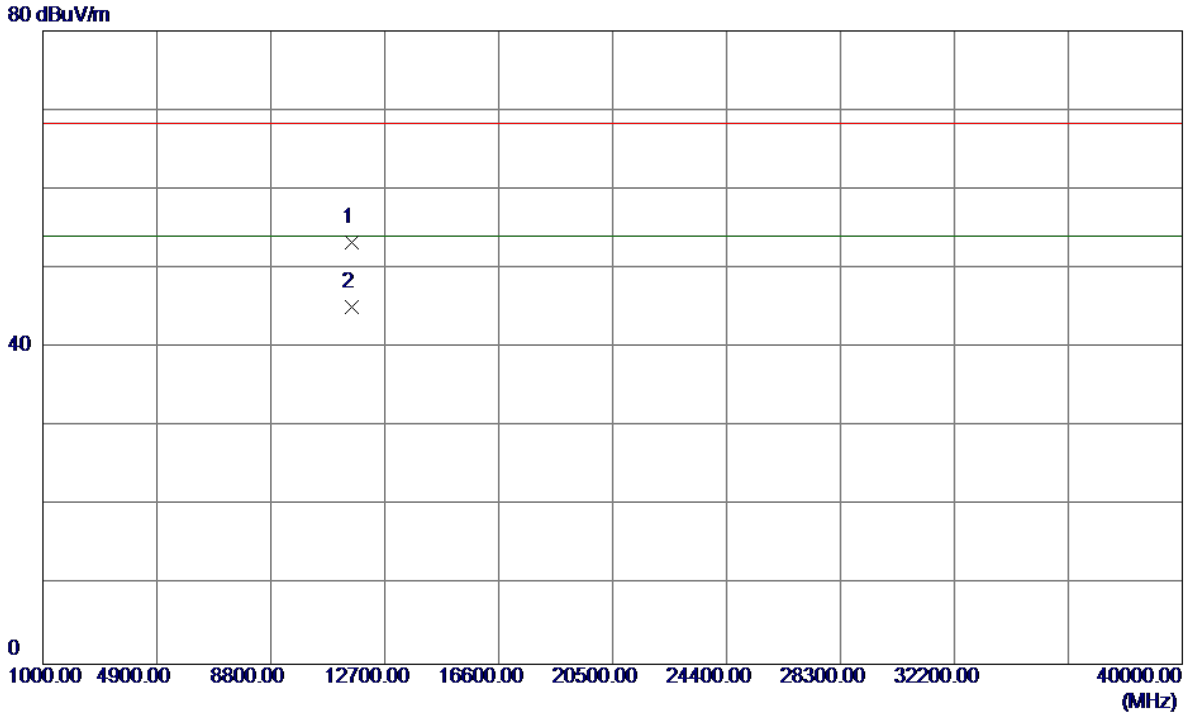
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5791.5000	60.29	42.79	103.08	122.30	-19.22	Peak	
2	5792.6000	51.15	42.79	93.94	122.30	-28.36	AVG	

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

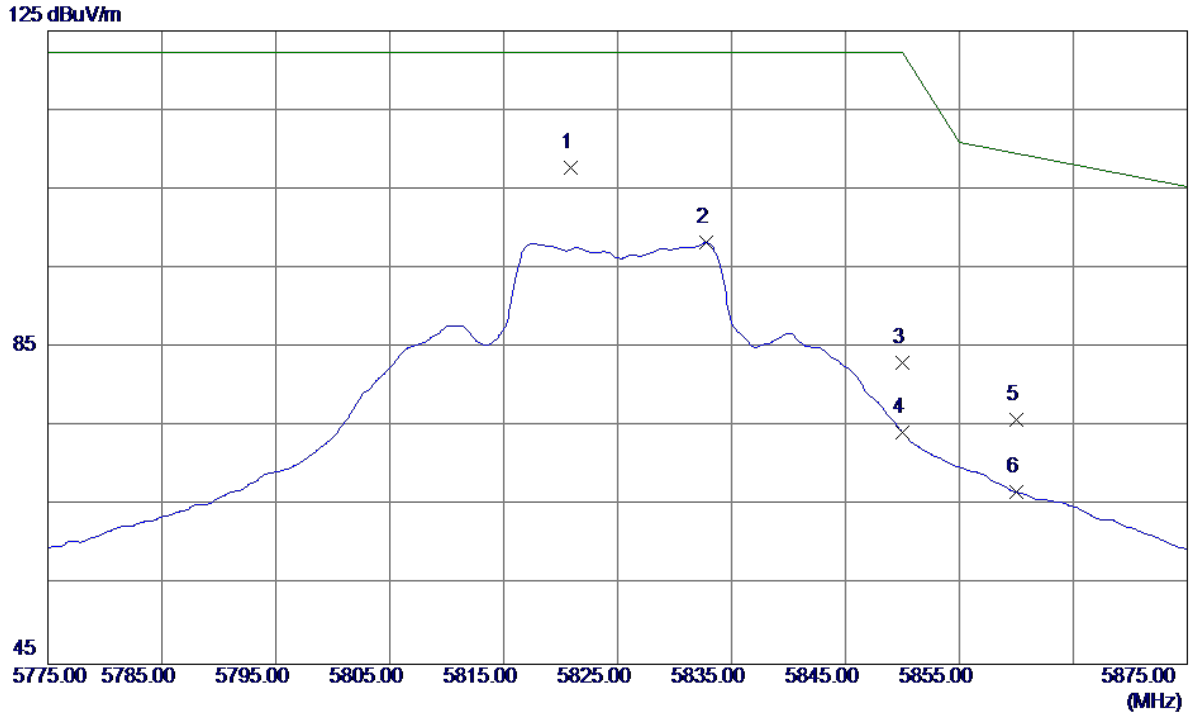
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11566.4500	35.45	17.85	53.30	68.30	-15.00	Peak	
2 *	11571.1500	27.32	17.85	45.17	54.00	-8.83	AVG	

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

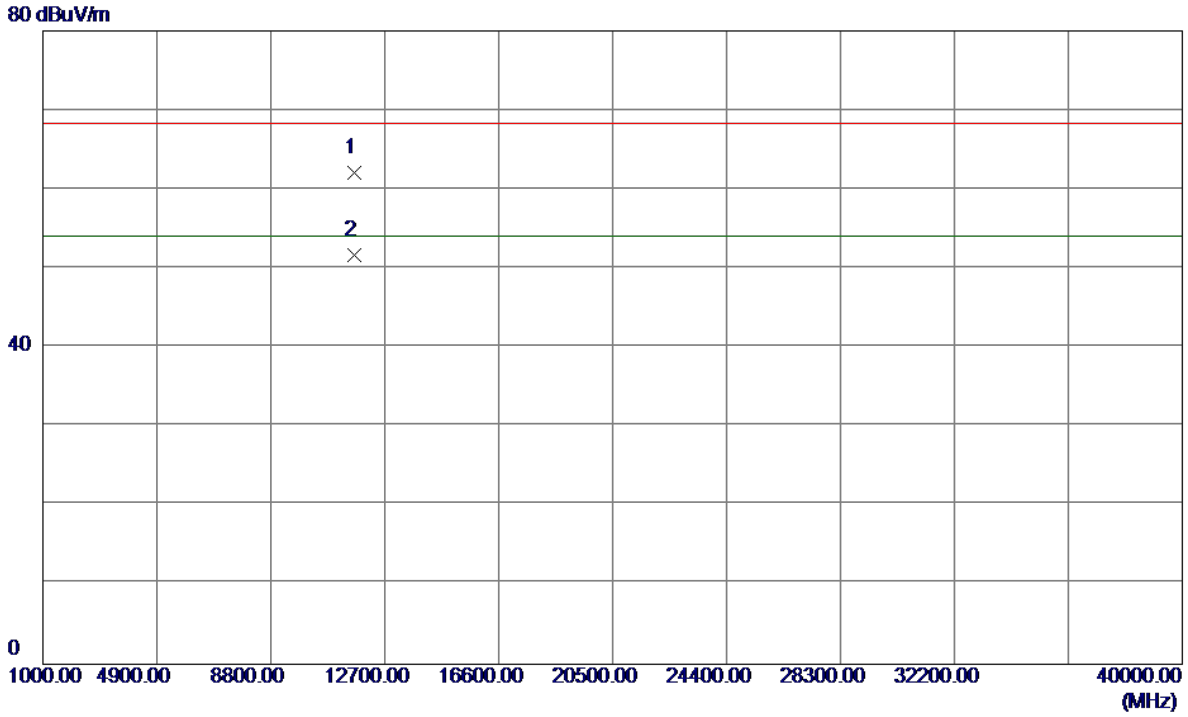
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5820.9000	64.88	42.81	107.69	122.30	-14.61	Peak	
2	5832.8000	55.41	42.82	98.23	122.30	-24.07	AVG	
3	5850.0000	40.17	42.84	83.01	122.30	-39.29	Peak	
4	5850.0000	31.48	42.84	74.32	122.30	-47.98	AVG	
5	5860.0000	33.01	42.85	75.86	109.50	-33.64	Peak	
6	5860.0000	23.87	42.85	66.72	109.50	-42.78	AVG	

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

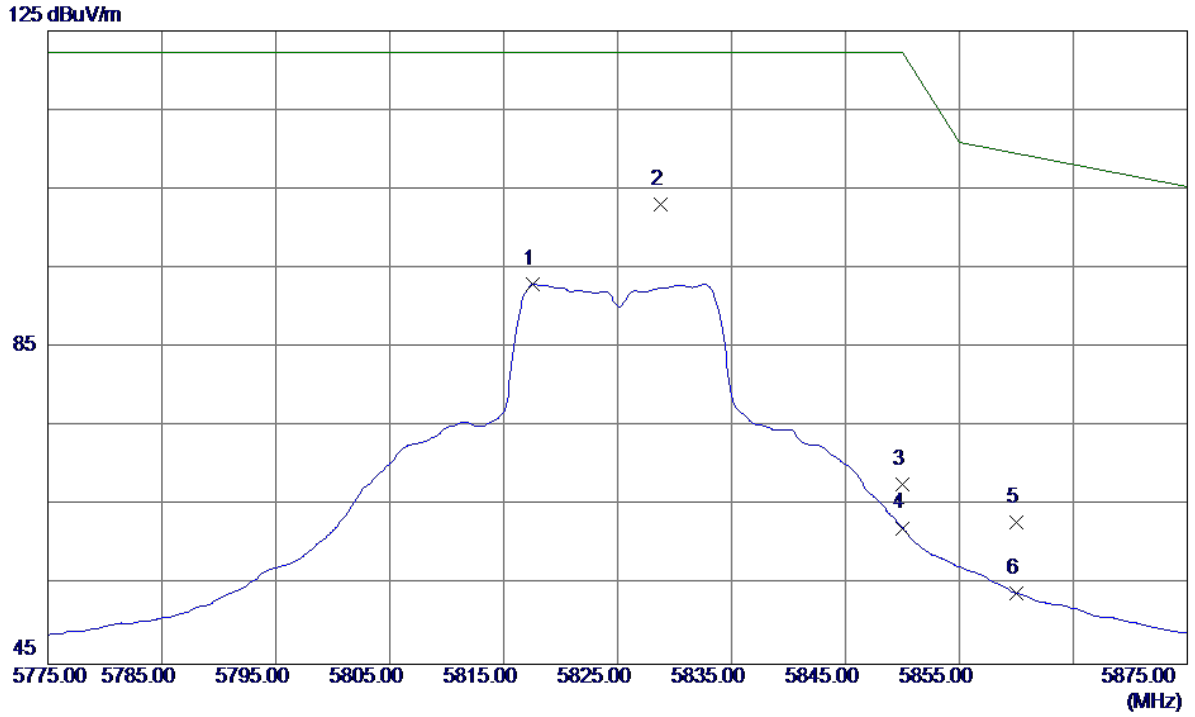
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.0500	44.25	17.79	62.04	68.30	-6.26	Peak	
2 *	11651.2500	33.93	17.79	51.72	54.00	-2.28	AVG	

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

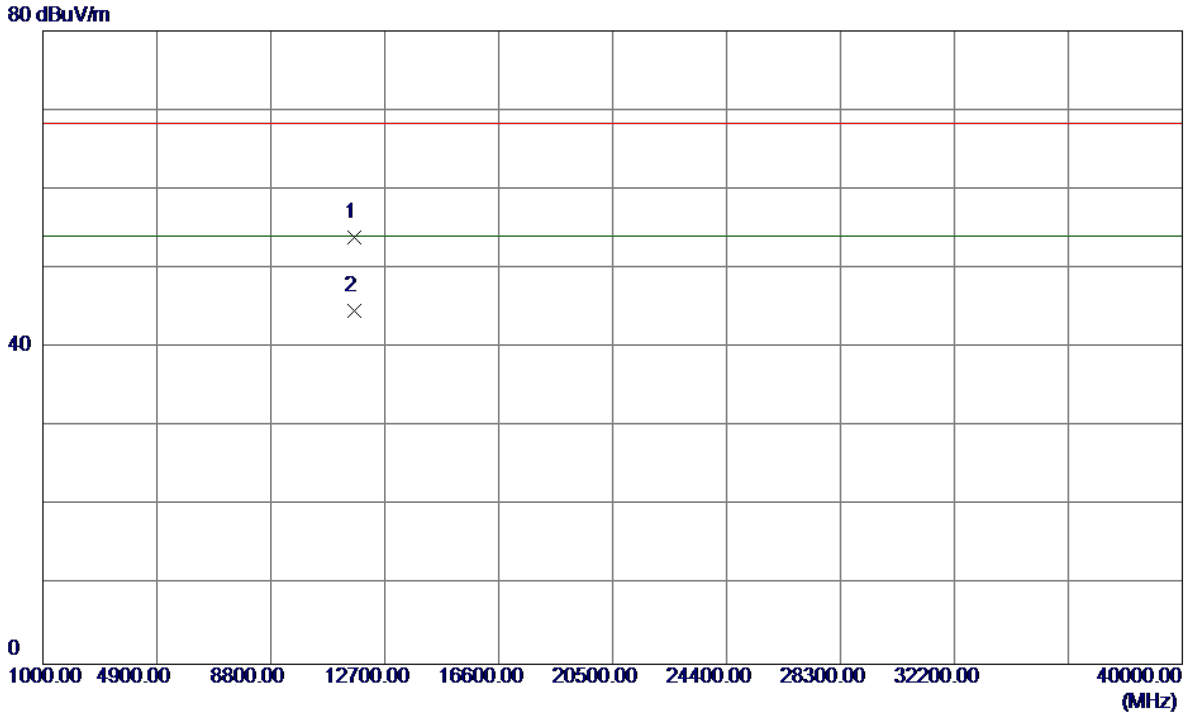
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5817.6000	50.17	42.81	92.98	122.30	-29.32	AVG	
2 *	5828.8000	60.22	42.82	103.04	122.30	-19.26	Peak	
3	5850.0000	24.91	42.84	67.75	122.30	-54.55	Peak	
4	5850.0000	19.36	42.84	62.20	122.30	-60.10	AVG	
5	5860.0000	20.11	42.85	62.96	109.50	-46.54	Peak	
6	5860.0000	11.10	42.85	53.95	109.50	-55.55	AVG	

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

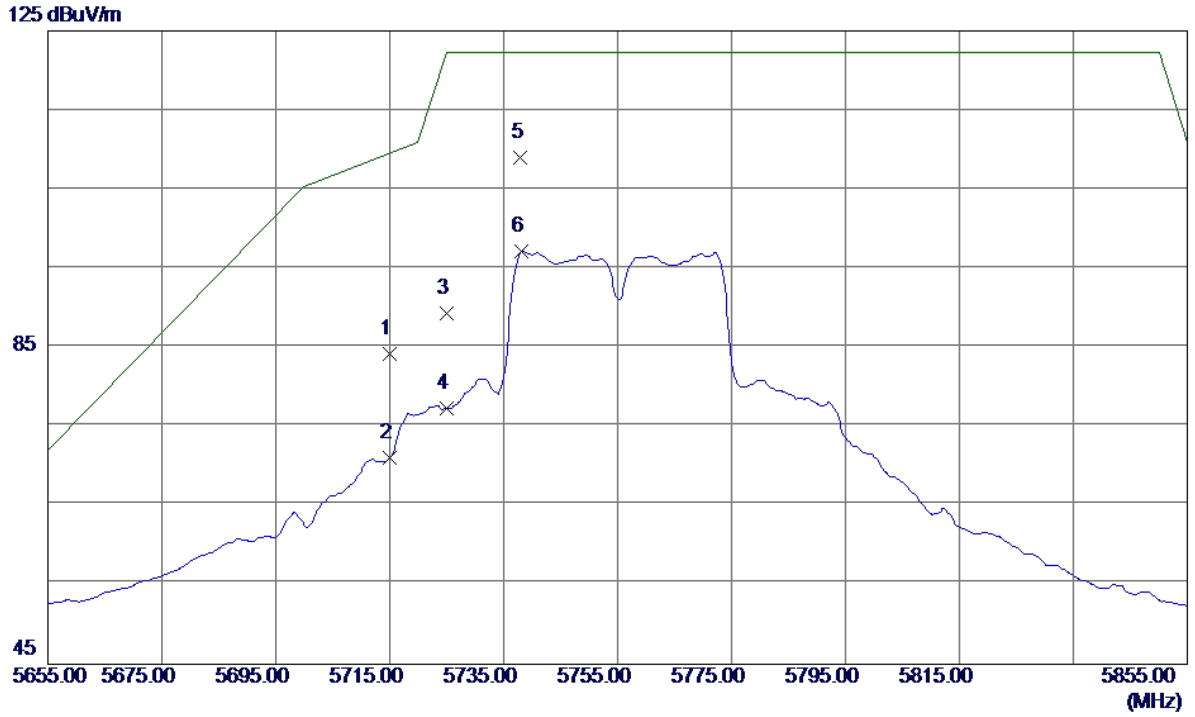
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11647.8000	36.16	17.79	53.95	68.30	-14.35	Peak	
2 *	11651.4000	26.81	17.79	44.60	54.00	-9.40	AVG	

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

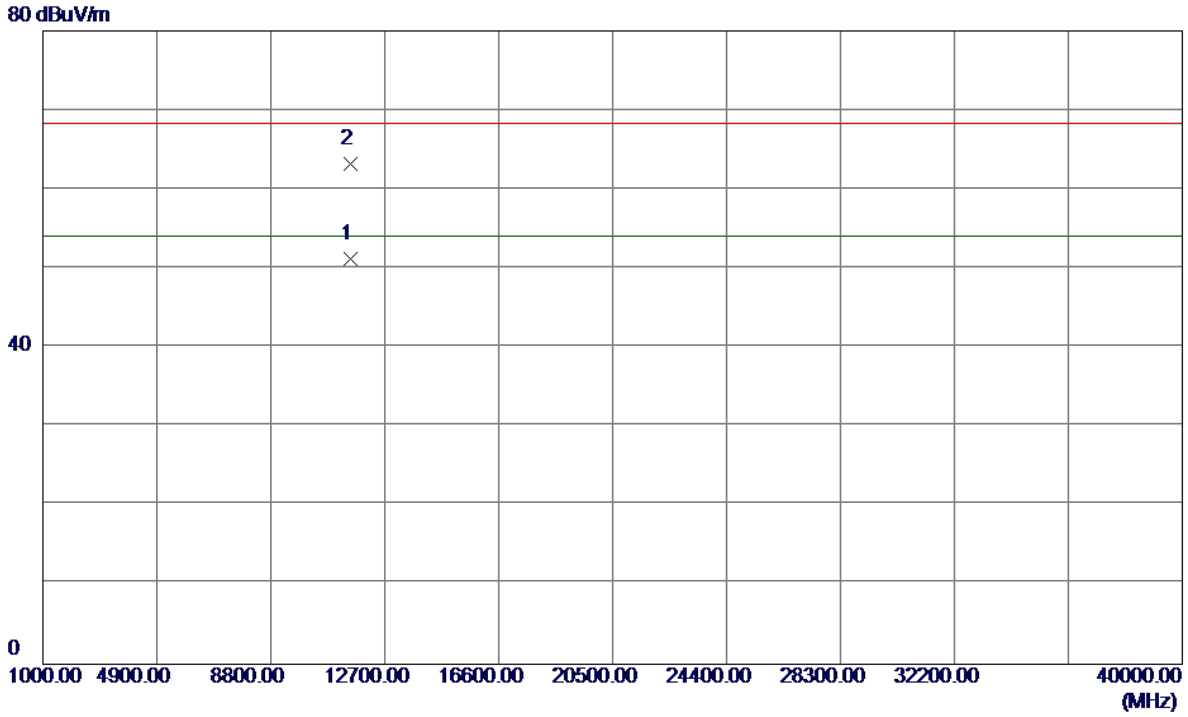
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	41.43	42.72	84.15	109.50	-25.35	Peak	
2	5715.0000	28.42	42.72	71.14	109.50	-38.36	AVG	
3	5725.0000	46.63	42.73	89.36	122.30	-32.94	Peak	
4	5725.0000	34.55	42.73	77.28	122.30	-45.02	AVG	
5 *	5738.0000	66.28	42.74	109.02	122.30	-13.28	Peak	
6	5738.2000	54.47	42.74	97.21	122.30	-25.09	AVG	

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

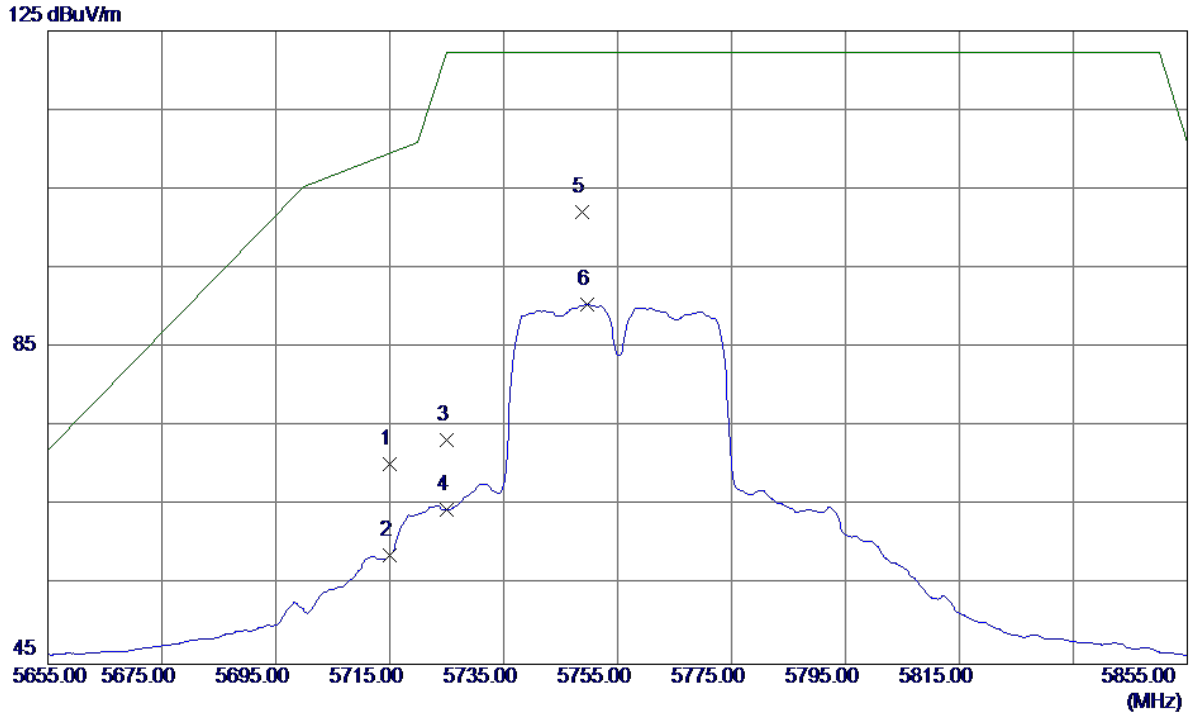
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11511.0000	33.28	17.90	51.18	54.00	-2.82	AVG	
2	11511.3000	45.31	17.90	63.21	68.30	-5.09	Peak	

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

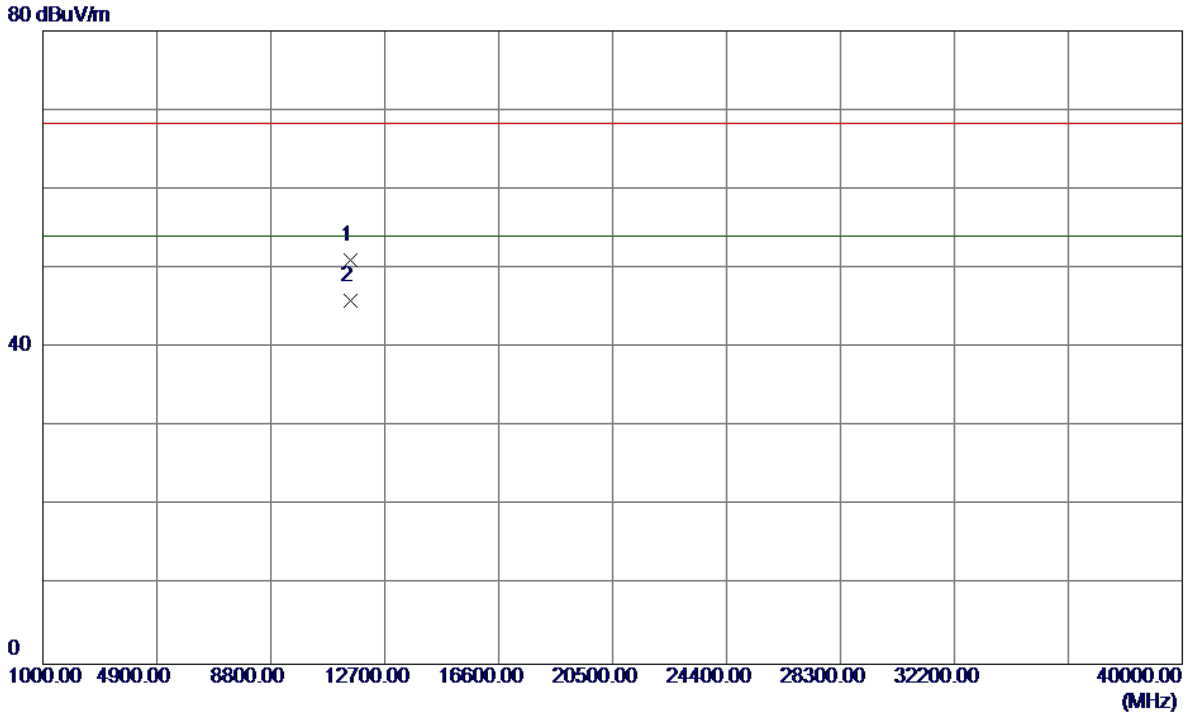
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	27.49	42.72	70.21	109.50	-39.29	Peak	
2	5715.0000	16.06	42.72	58.78	109.50	-50.72	AVG	
3	5725.0000	30.56	42.73	73.29	122.30	-49.01	Peak	
4	5725.0000	21.86	42.73	64.59	122.30	-57.71	AVG	
5 *	5748.8000	59.31	42.75	102.06	122.30	-20.24	Peak	
6	5749.6000	47.74	42.75	90.49	122.30	-31.81	AVG	

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

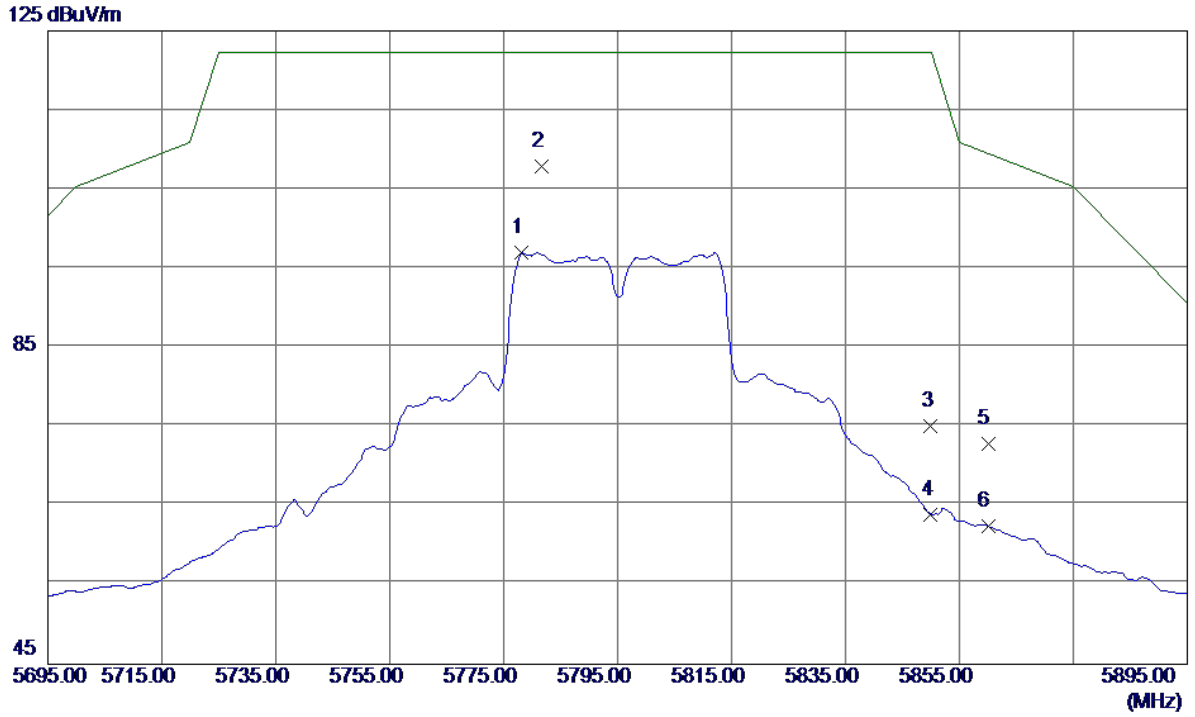
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.5000	33.17	17.90	51.07	68.30	-17.23	Peak	
2 *	11511.3000	27.97	17.90	45.87	54.00	-8.13	AVG	

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

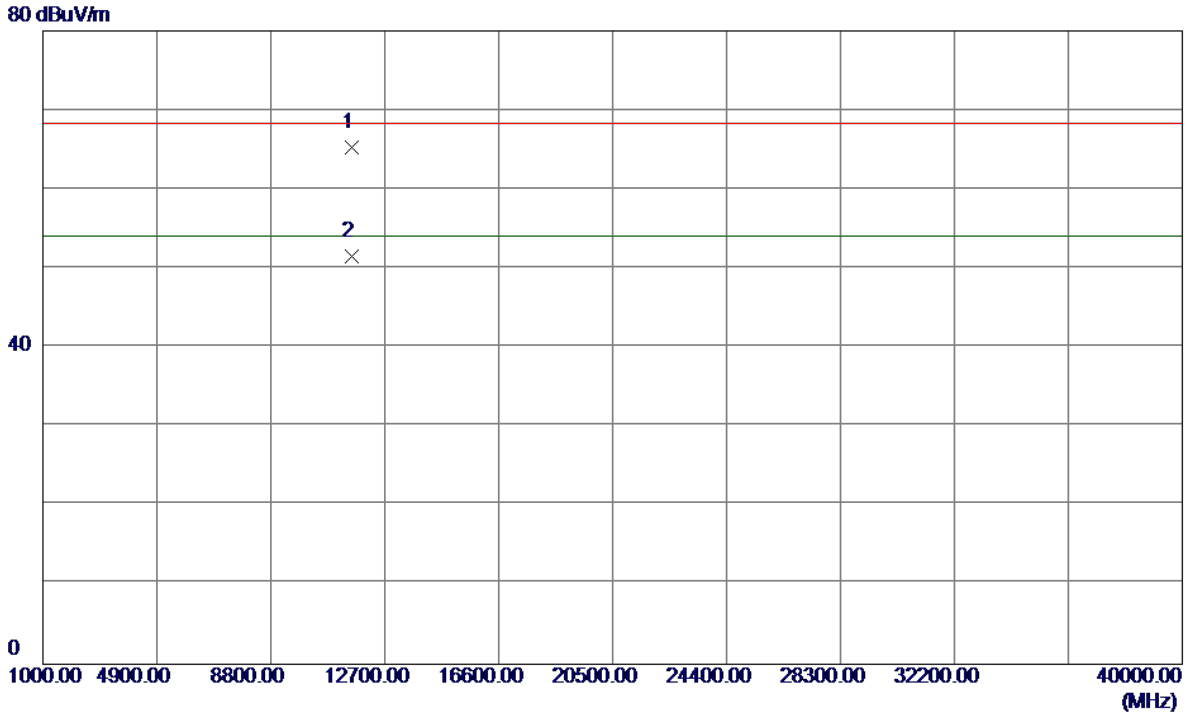
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5778.2000	54.20	42.77	96.97	122.30	-25.33	AVG	
2 *	5781.6000	65.12	42.78	107.90	122.30	-14.40	Peak	
3	5850.0000	32.17	42.84	75.01	122.30	-47.29	Peak	
4	5850.0000	21.07	42.84	63.91	122.30	-58.39	AVG	
5	5860.0000	29.96	42.85	72.81	109.50	-36.69	Peak	
6	5860.0000	19.66	42.85	62.51	109.50	-46.99	AVG	

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

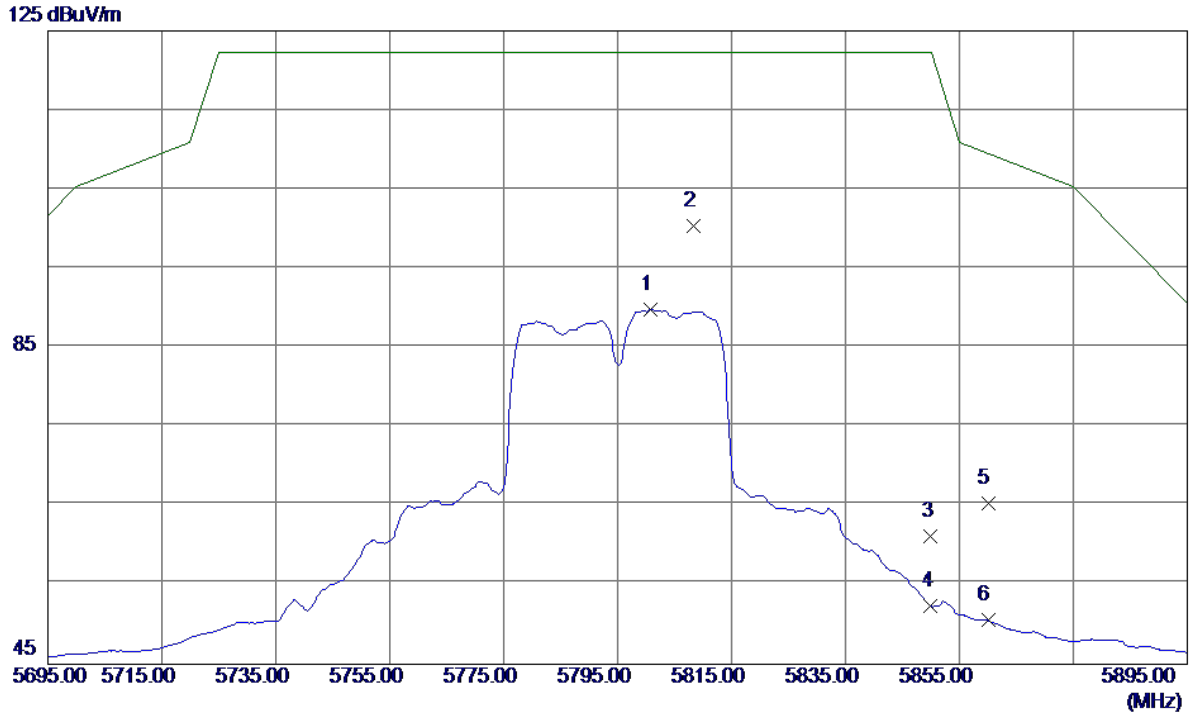
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11586.8000	47.43	17.84	65.27	68.30	-3.03	Peak	
2 *	11591.1000	33.72	17.83	51.55	54.00	-2.45	AVG	

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

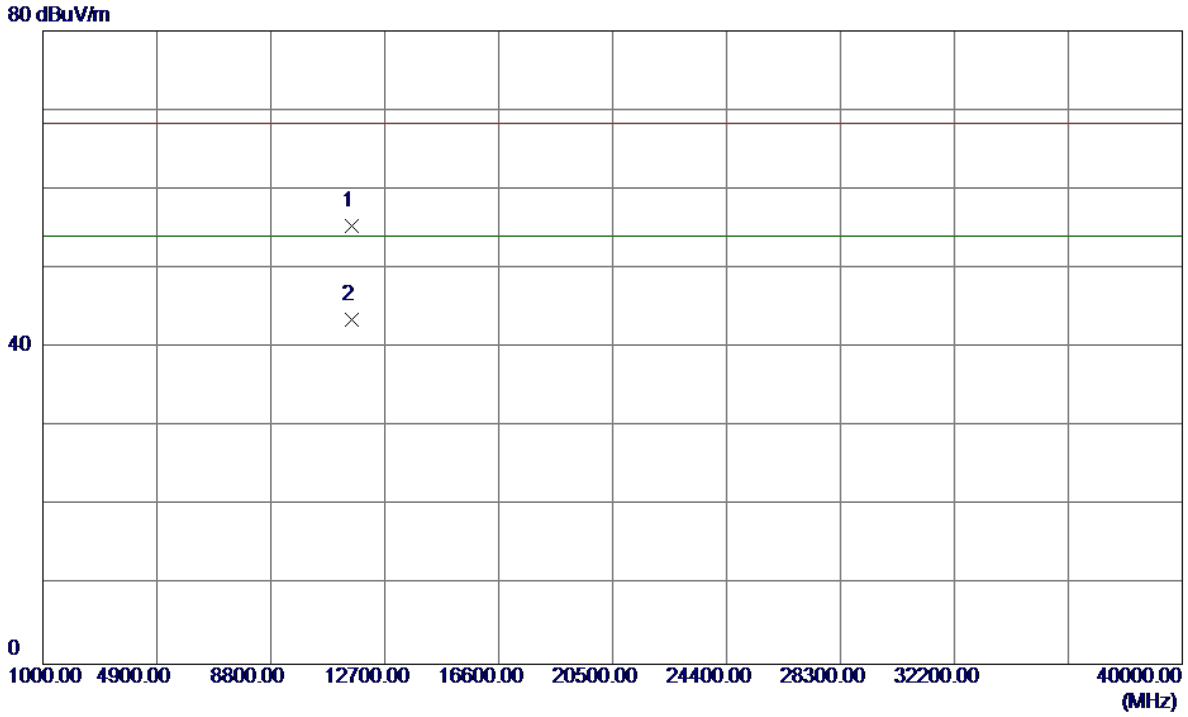
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5800.8000	47.00	42.79	89.79	122.30	-32.51	AVG	
2 *	5808.4000	57.54	42.80	100.34	122.30	-21.96	Peak	
3	5850.0000	18.30	42.84	61.14	122.30	-61.16	Peak	
4	5850.0000	9.49	42.84	52.33	122.30	-69.97	AVG	
5	5860.0000	22.42	42.85	65.27	109.50	-44.23	Peak	
6	5860.0000	7.73	42.85	50.58	109.50	-58.92	AVG	

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

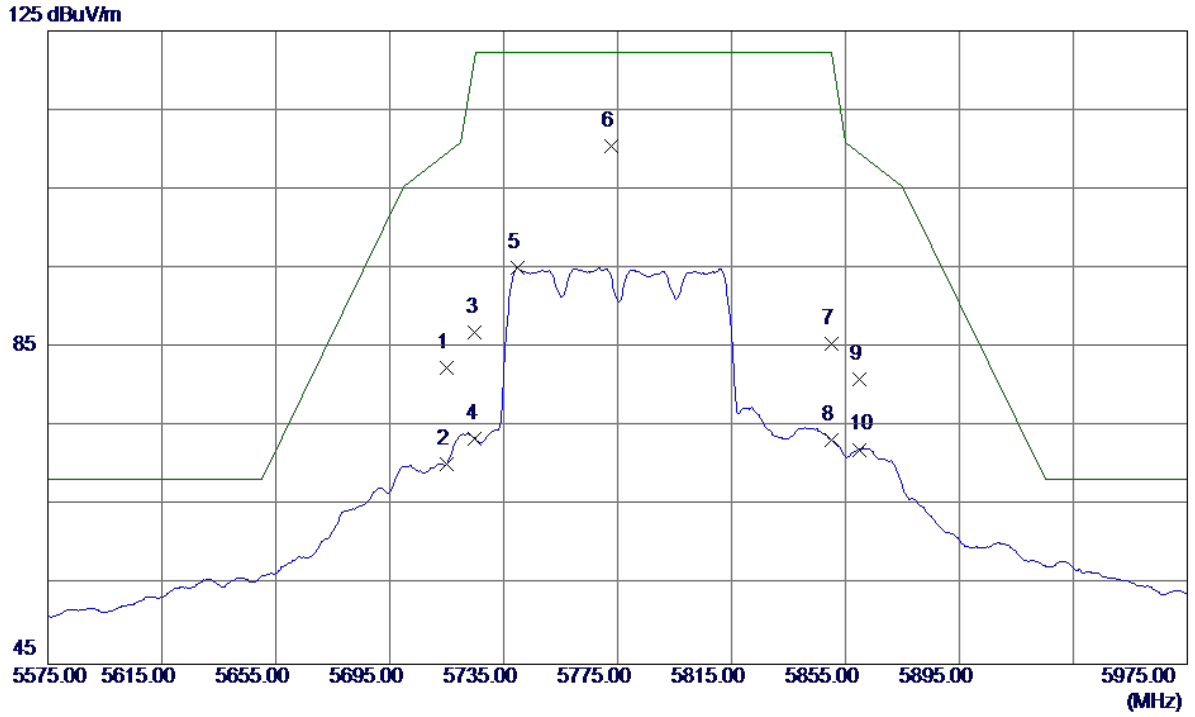
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.4000	37.48	17.83	55.31	68.30	-12.99	Peak	
2 *	11591.1000	25.66	17.83	43.49	54.00	-10.51	AVG	

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

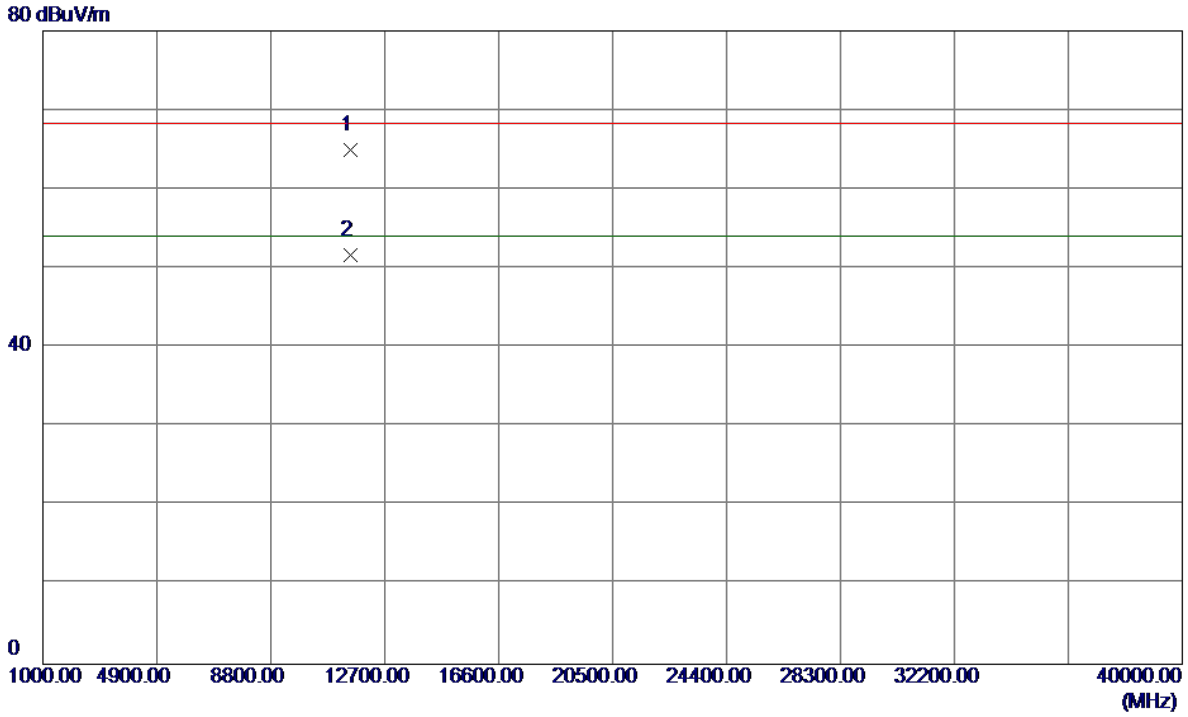
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	39.70	42.72	82.42	109.50	-27.08	Peak	
2	5715.0000	27.58	42.72	70.30	109.50	-39.20	AVG	
3	5725.0000	44.17	42.73	86.90	122.30	-35.40	Peak	
4	5725.0000	30.81	42.73	73.54	122.30	-48.76	AVG	
5	5739.8000	52.28	42.74	95.02	122.30	-27.28	AVG	
6 *	5772.6000	67.73	42.77	110.50	122.30	-11.80	Peak	
7	5850.0000	42.58	42.84	85.42	122.30	-36.88	Peak	
8	5850.0000	30.49	42.84	73.33	122.30	-48.97	AVG	
9	5860.0000	38.16	42.85	81.01	109.50	-28.49	Peak	
10	5860.0000	29.27	42.85	72.12	109.50	-37.38	AVG	

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

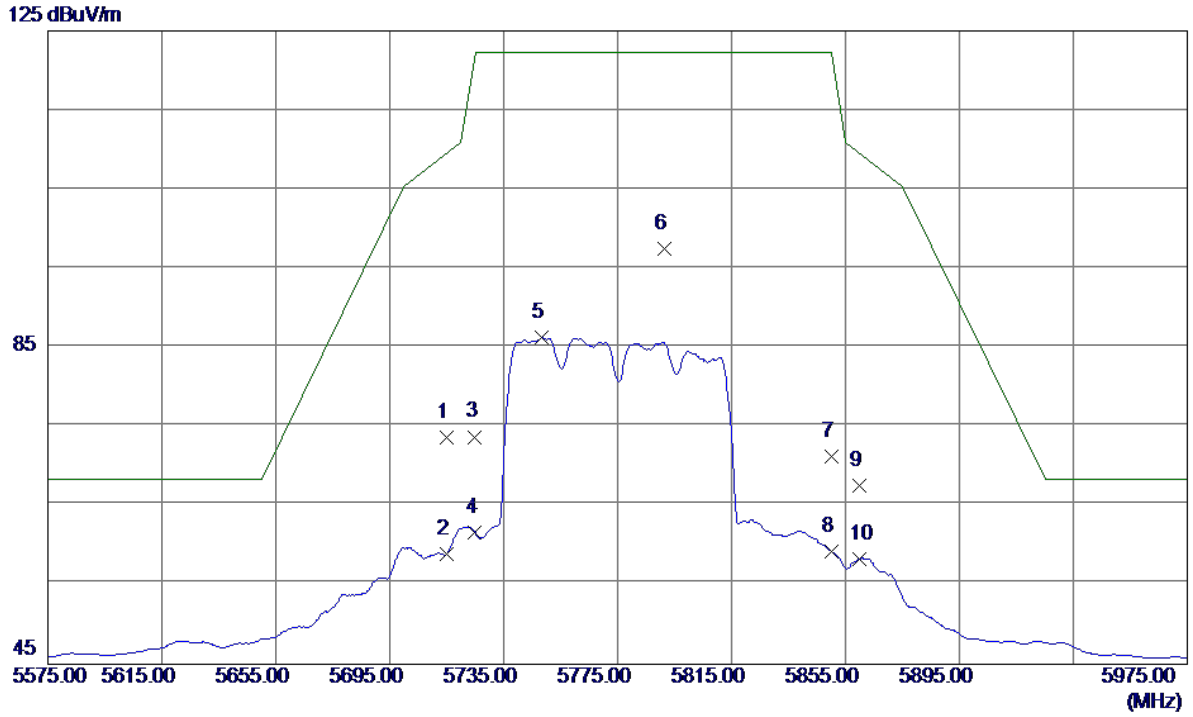
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11550.6000	47.07	17.86	64.93	68.30	-3.37	Peak	
2 *	11550.2000	33.86	17.87	51.73	54.00	-2.27	AVG	

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

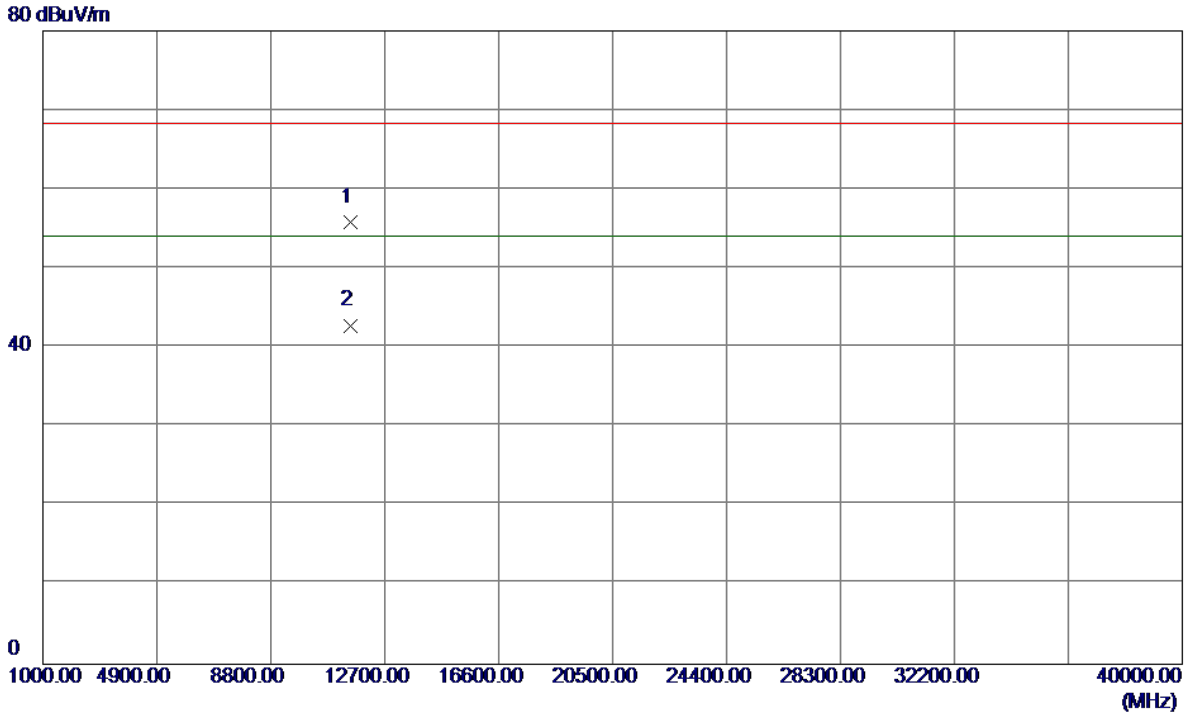
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	30.89	42.72	73.61	109.50	-35.89	Peak	
2	5715.0000	16.23	42.72	58.95	109.50	-50.55	AVG	
3	5725.0000	30.99	42.73	73.72	122.30	-48.58	Peak	
4	5725.0000	18.93	42.73	61.66	122.30	-60.64	AVG	
5	5748.2000	43.53	42.75	86.28	122.30	-36.02	AVG	
6 *	5791.4000	54.65	42.79	97.44	122.30	-24.86	Peak	
7	5850.0000	28.46	42.84	71.30	122.30	-51.00	Peak	
8	5850.0000	16.37	42.84	59.21	122.30	-63.09	AVG	
9	5860.0000	24.72	42.85	67.57	109.50	-41.93	Peak	
10	5860.0000	15.42	42.85	58.27	109.50	-51.23	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11550.8000	37.91	17.86	55.77	68.30	-12.53	Peak	
2 *	11550.9000	24.94	17.86	42.80	54.00	-11.20	AVG	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

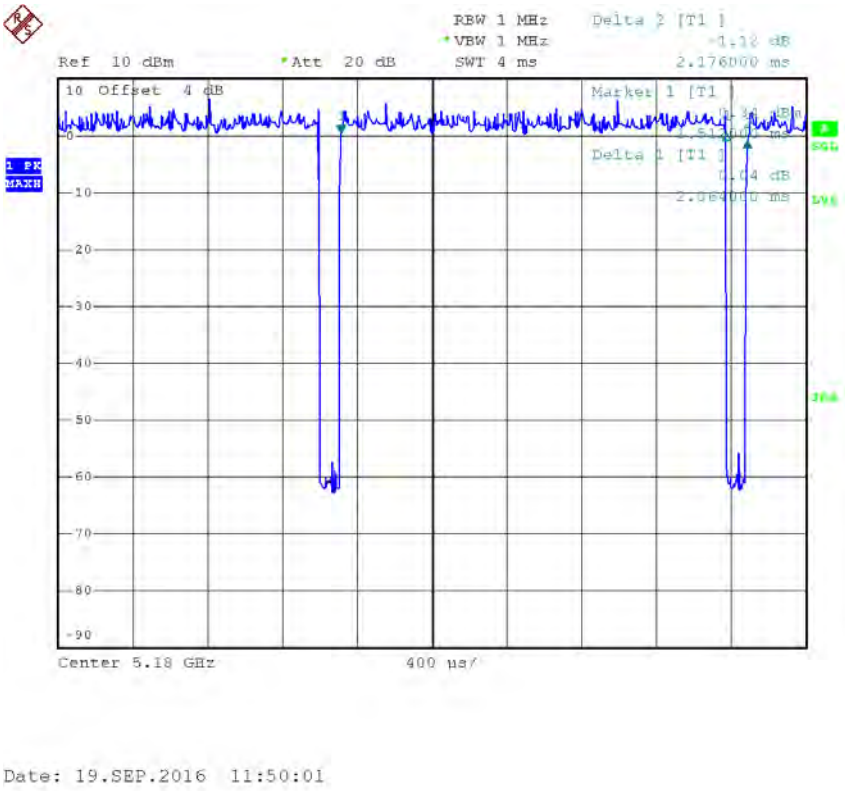
T_{ON}: 2.06 msec

T_{Total}: 2.18 msec

Duty cycle: 94.50%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.25



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

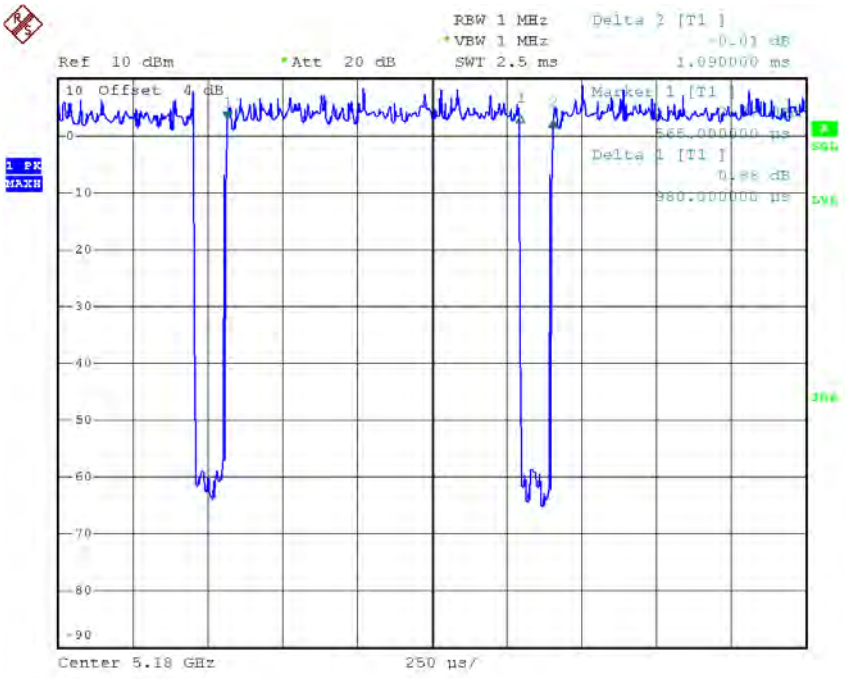
T_{ON}: 0.98 msec

T_{Total}: 1.09 msec

Duty cycle: 89.91%

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

TX N40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

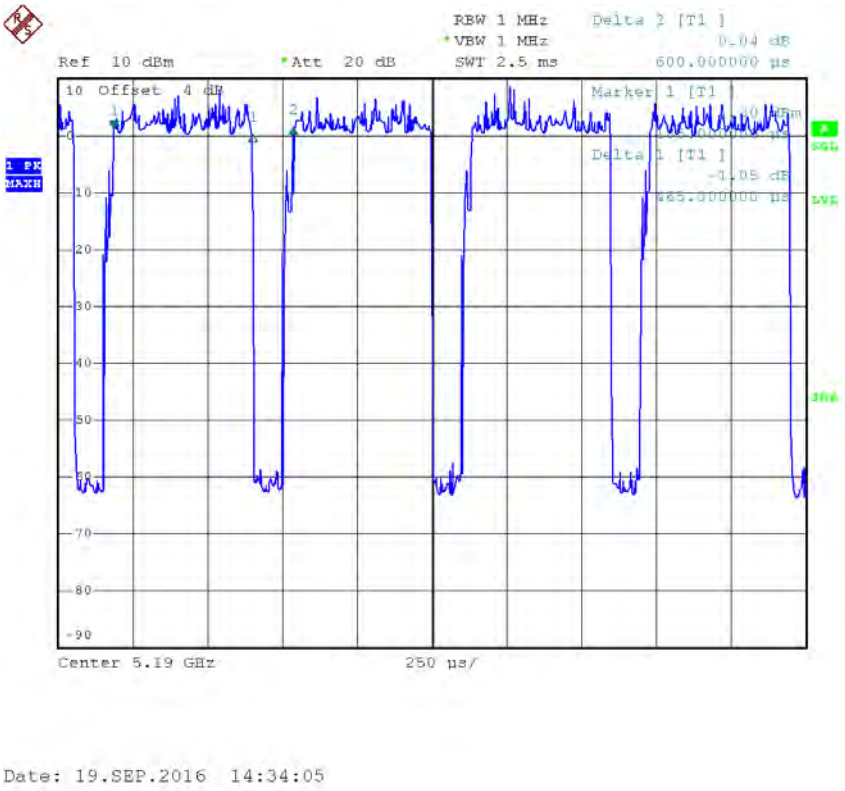
T_{ON}: 0.465 msec

T_{Total}: 0.60 msec

Duty cycle: 77.50%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 1.11



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}

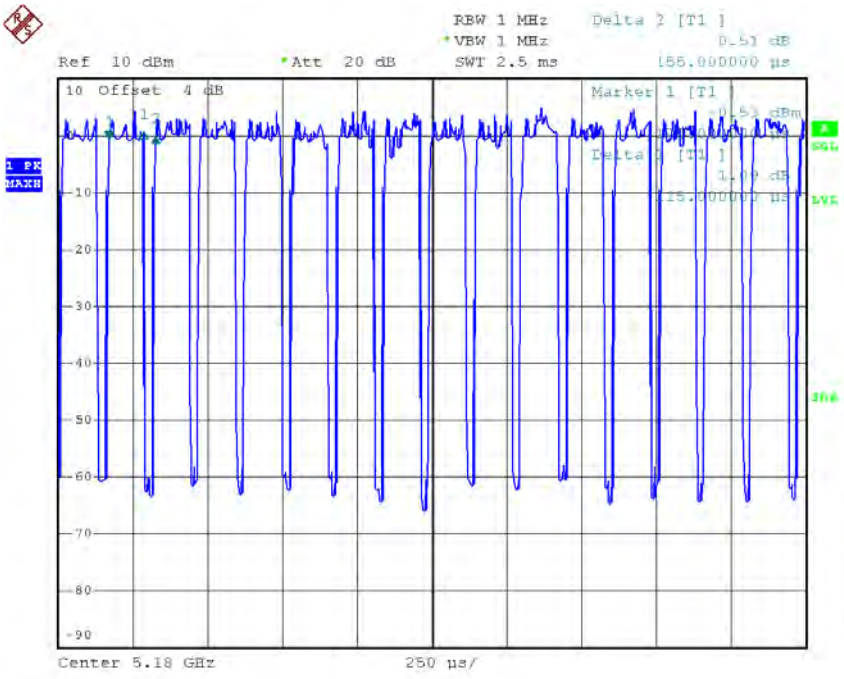
T_{ON}: 0.115 msec

T_{Total}: 0.155 msec

Duty cycle: 74.19%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 1.30



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 AC40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

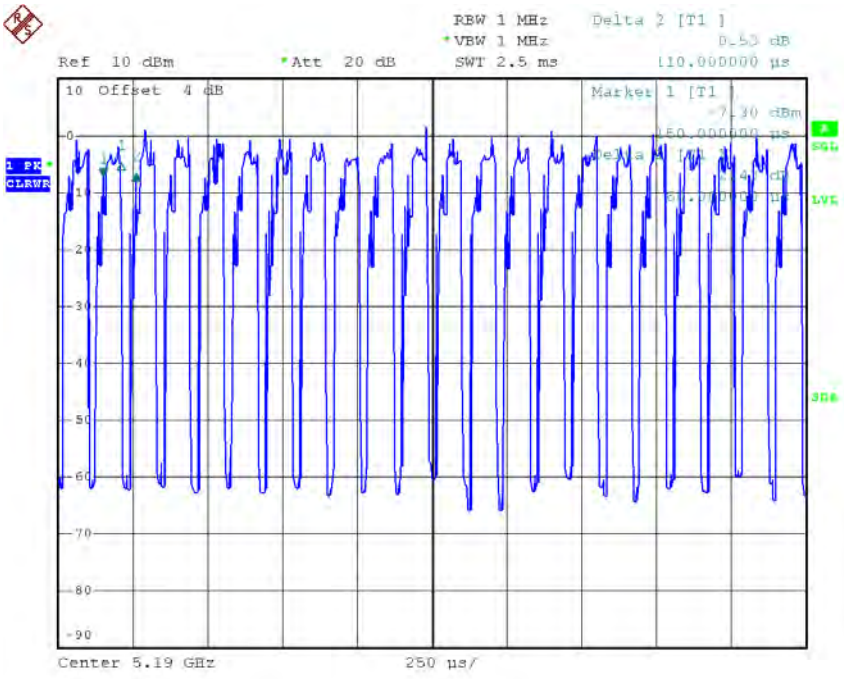
T_{ON}: 0.06 msec

T_{Total}: 0.11 msec

Duty cycle: 54.55%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 2.63



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be cacluated as

Output Power = Measured power + Ducy factor

Power Spectral Density = Measured density + Duty factor

TX AC80 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

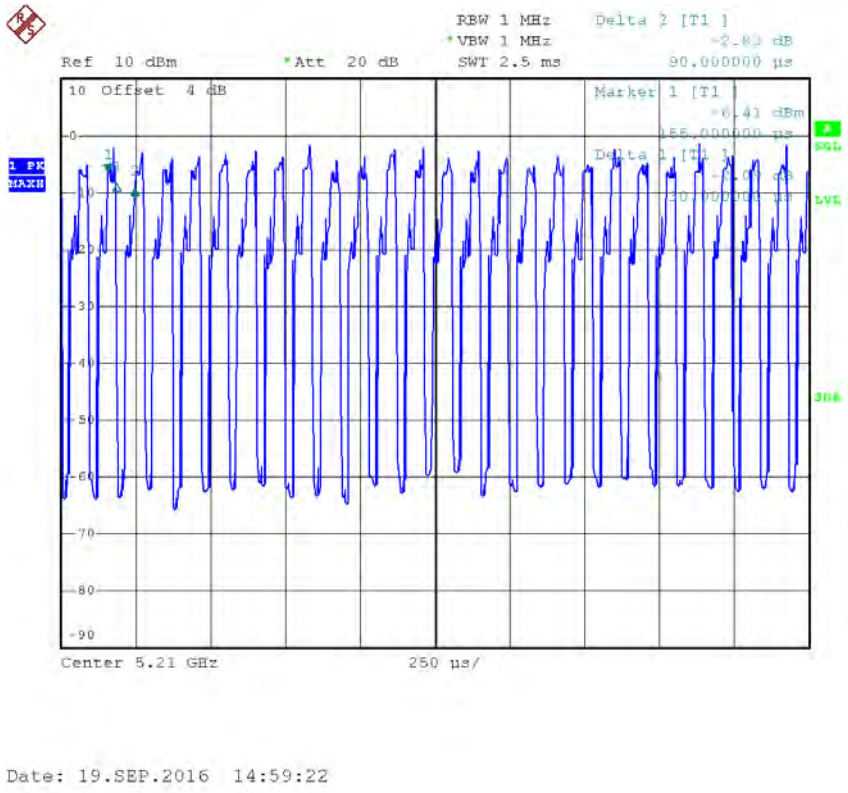
T_{ON}: 0.03 msec

T_{Total}: 0.09 msec

Duty cycle: 33.33%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 4.77



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

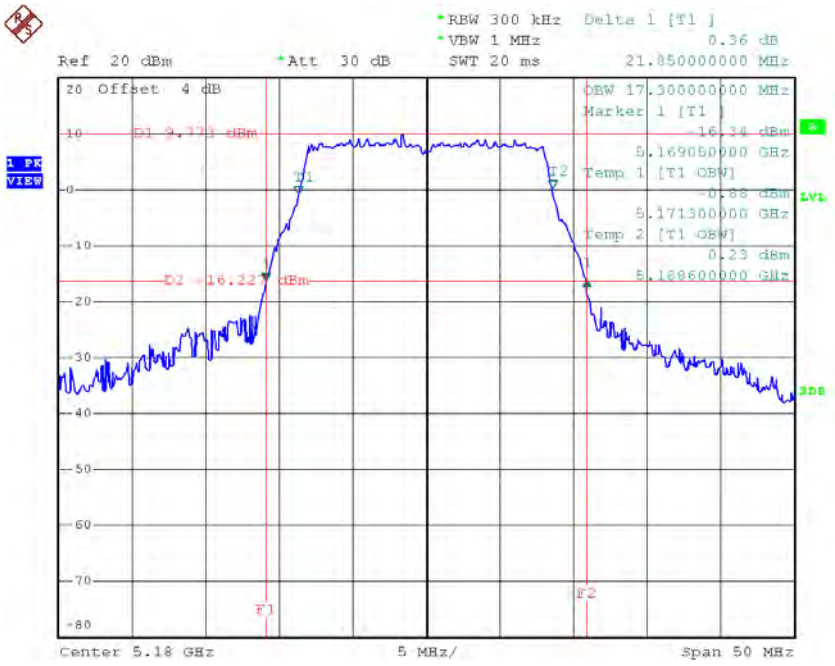
Power Spectral Density = Measured density + Duty factor

ATTACHMENT E - BANDWIDTH

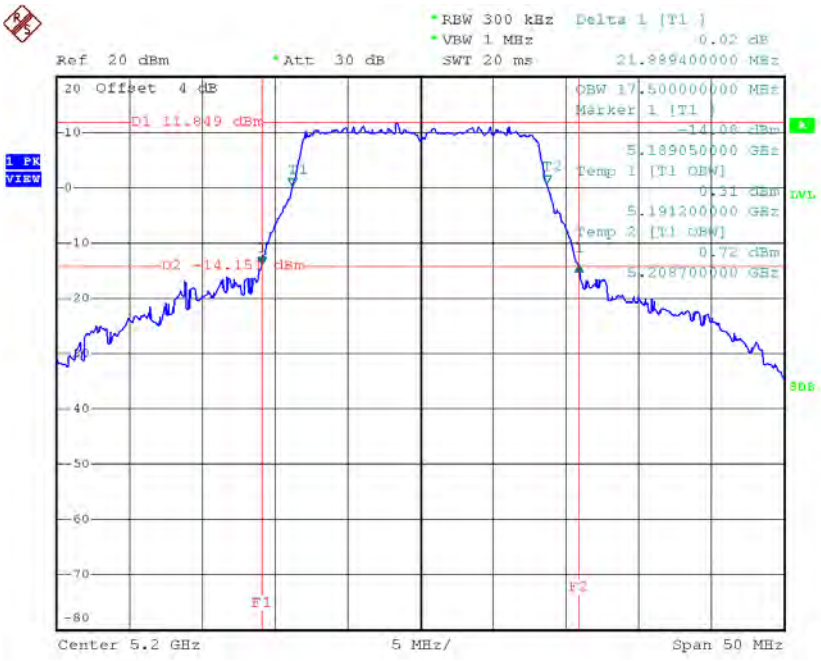
Test Mode: UNII-1/TX A Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.85	17.30
CH40	5200	21.89	17.50
CH48	5240	37.69	21.40

TX CH36

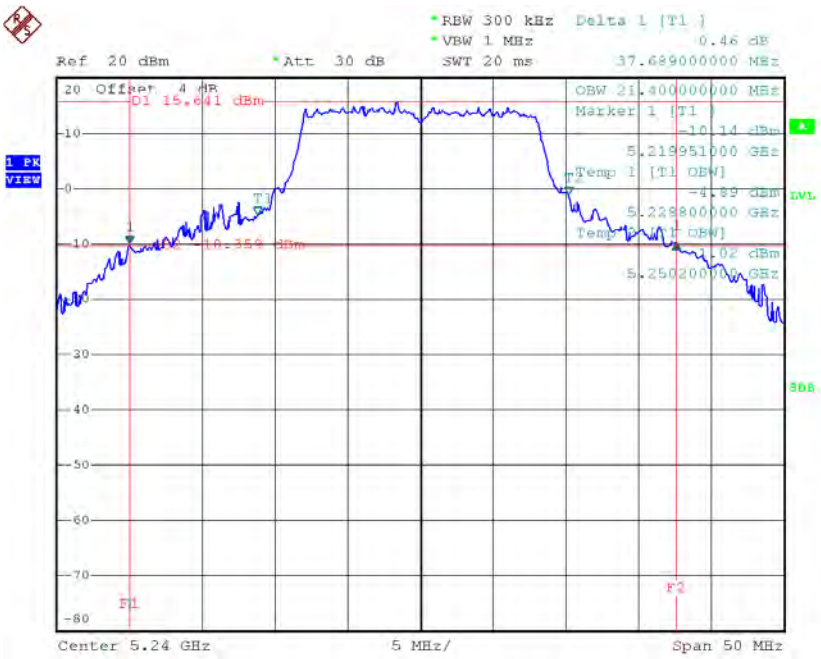


TX CH40



Date: 19.SEP.2016 11:54:41

TX CH48

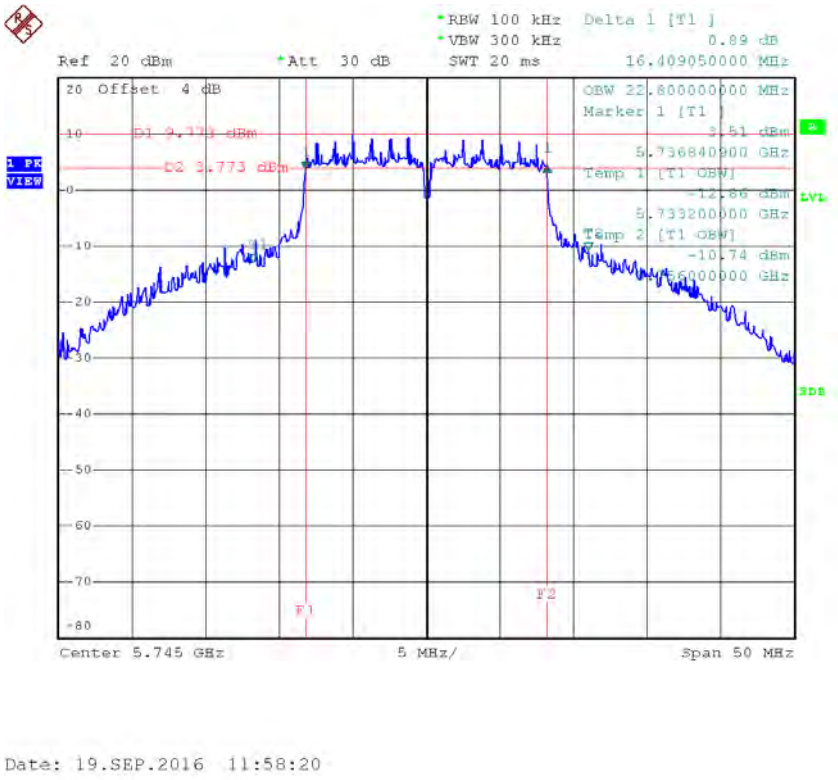


Date: 19.SEP.2016 11:56:08

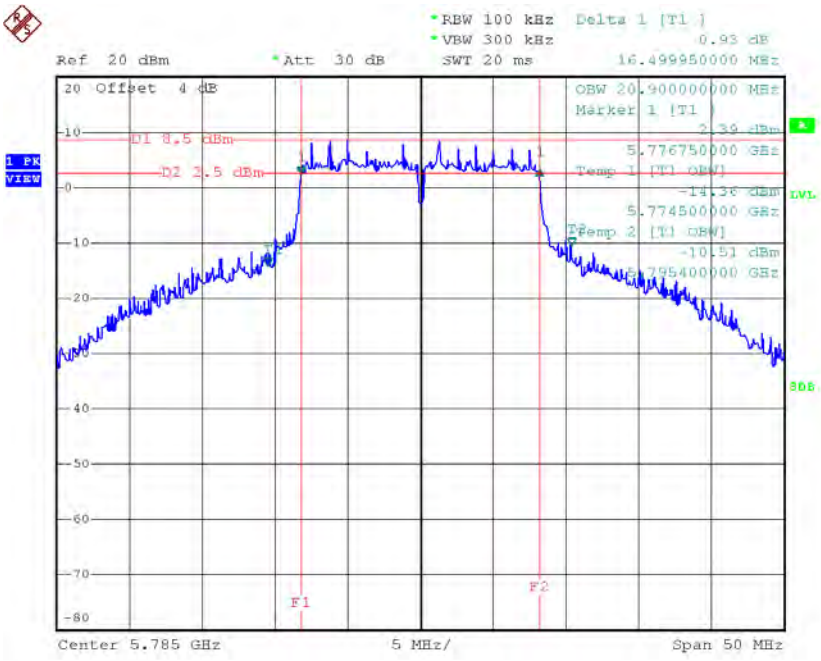
Test Mode: UNII-3/ TX A Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.41	22.80	>=500
CH157	5785	16.50	20.90	>=500
CH165	5825	16.41	18.30	>=500

TX CH 149

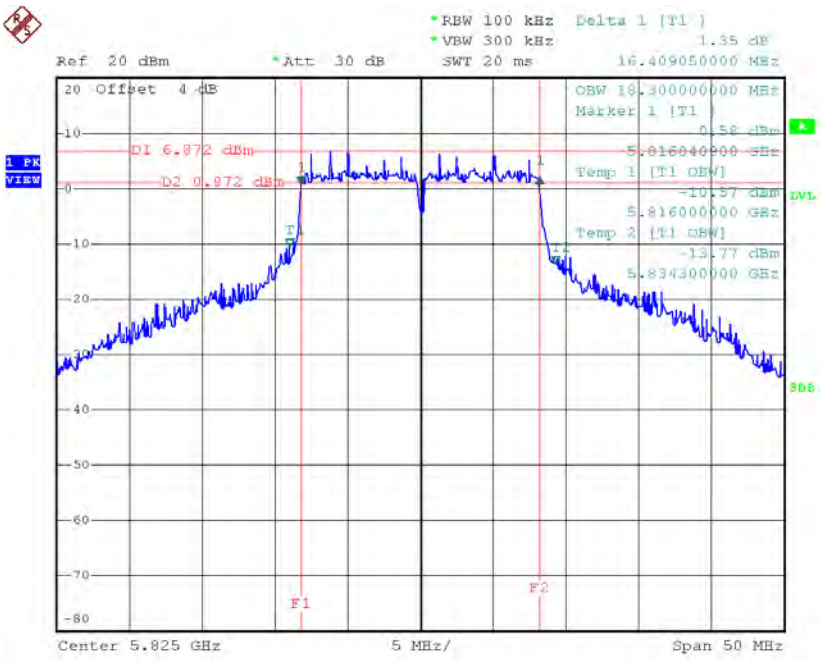


TX CH 157



Date: 19.SEP.2016 12:03:17

TX CH 165

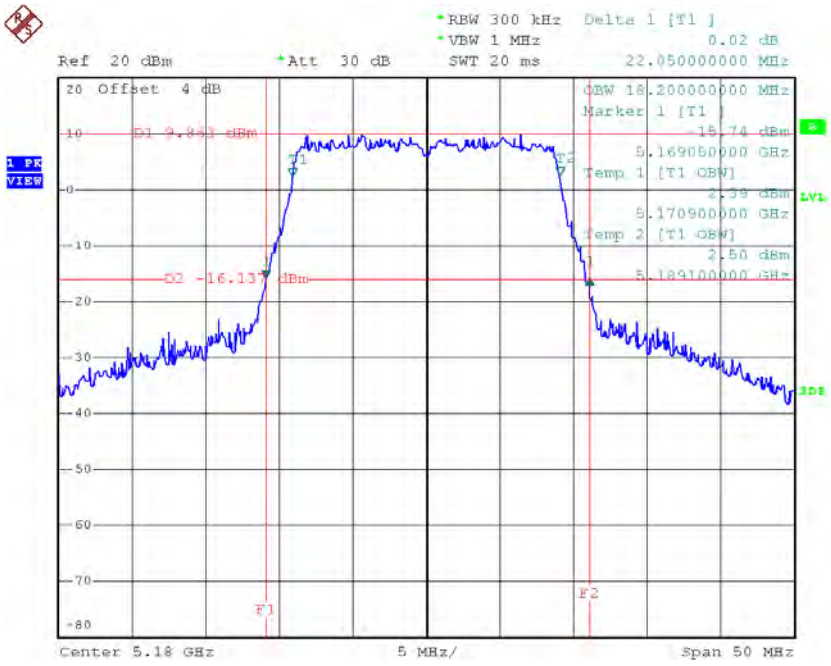


Date: 19.SEP.2016 12:04:27

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

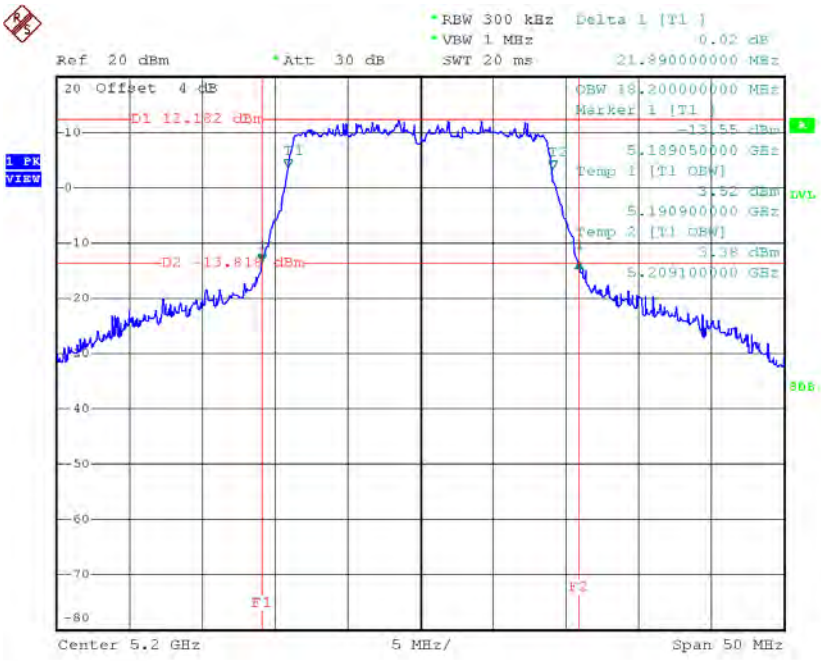
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	22.05	18.20
CH40	5200	21.89	18.20
CH48	5240	37.30	19.30

TX CH36



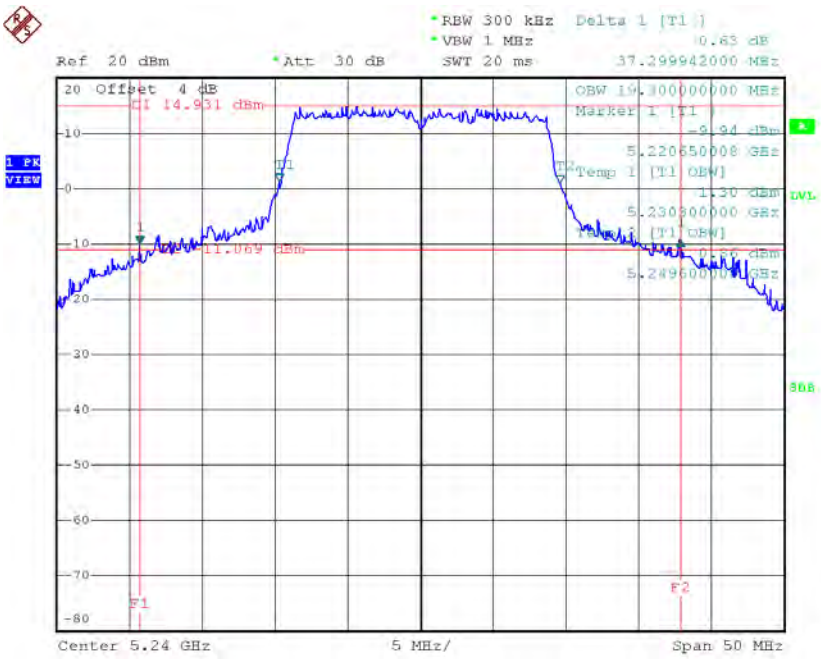
Date: 19.SEP.2016 14:11:03

TX CH40



Date: 19.SEP.2016 14:12:14

TX CH48

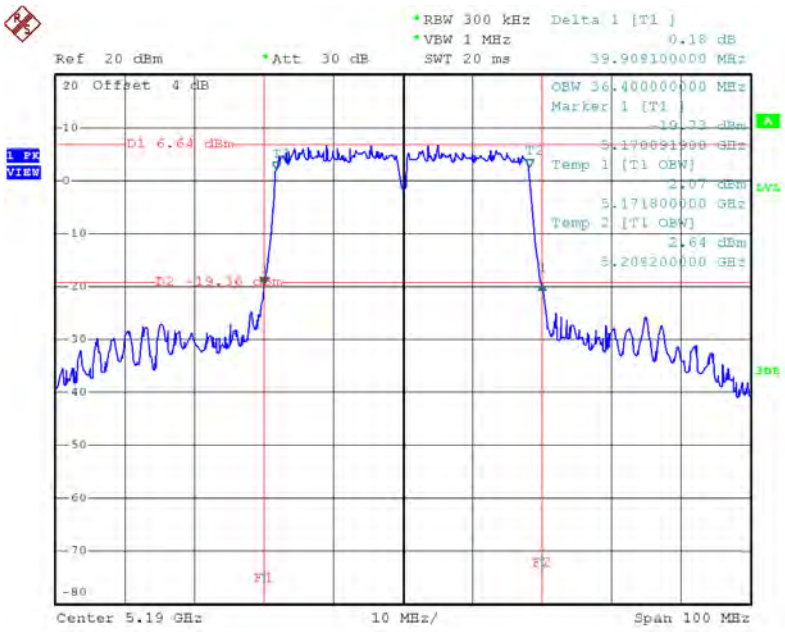


Date: 19.SEP.2016 14:13:09

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

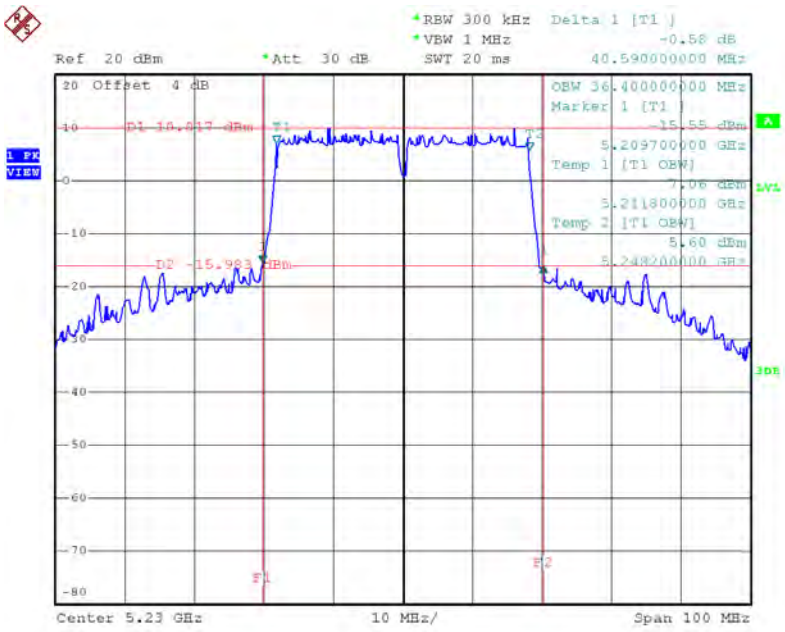
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	39.91	36.40
CH46	5230	40.59	36.40

TX CH38



Date: 19.SEP.2016 14:41:59

TX CH46

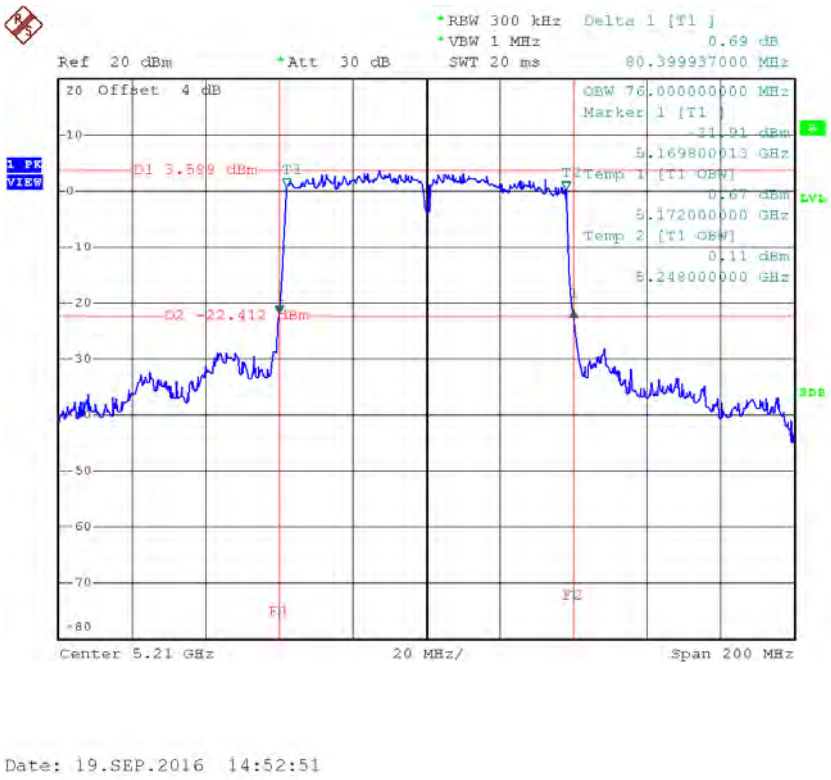


Date: 19.SEP.2016 14:43:35

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	80.40	76.00

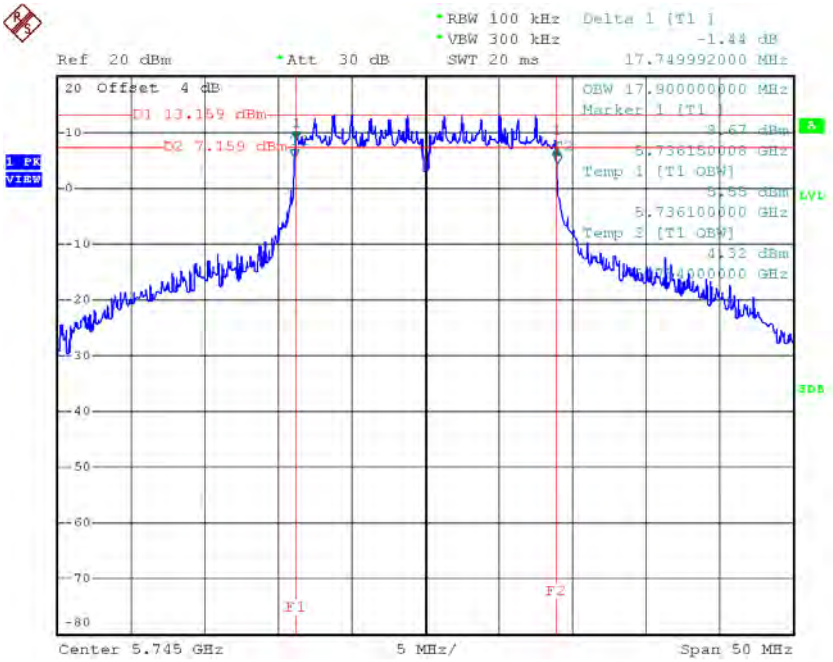
TX CH42



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

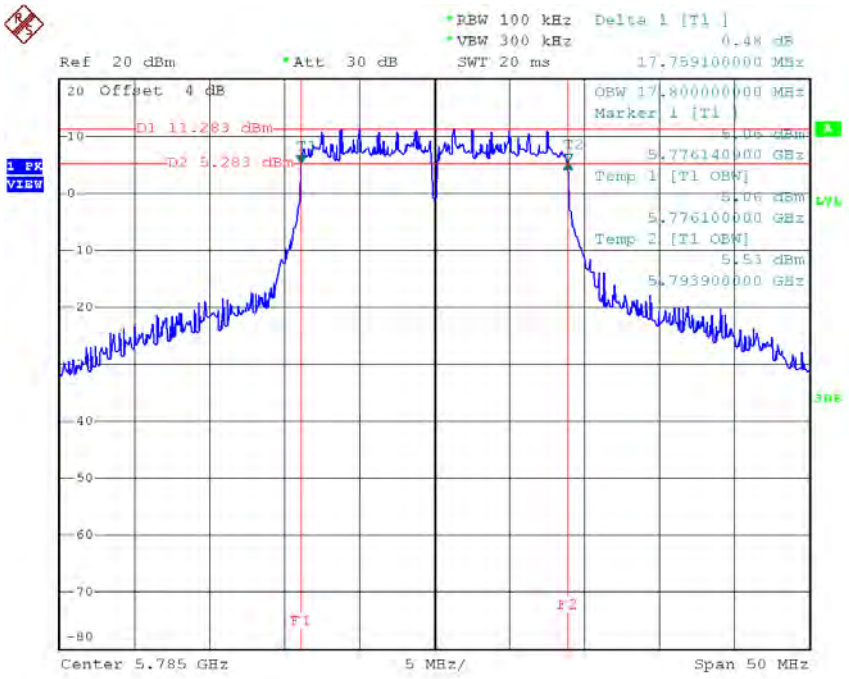
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.75	17.90	>=500
CH157	5785	17.76	17.80	>=500
CH165	5825	17.85	17.80	>=500

TX CH 149



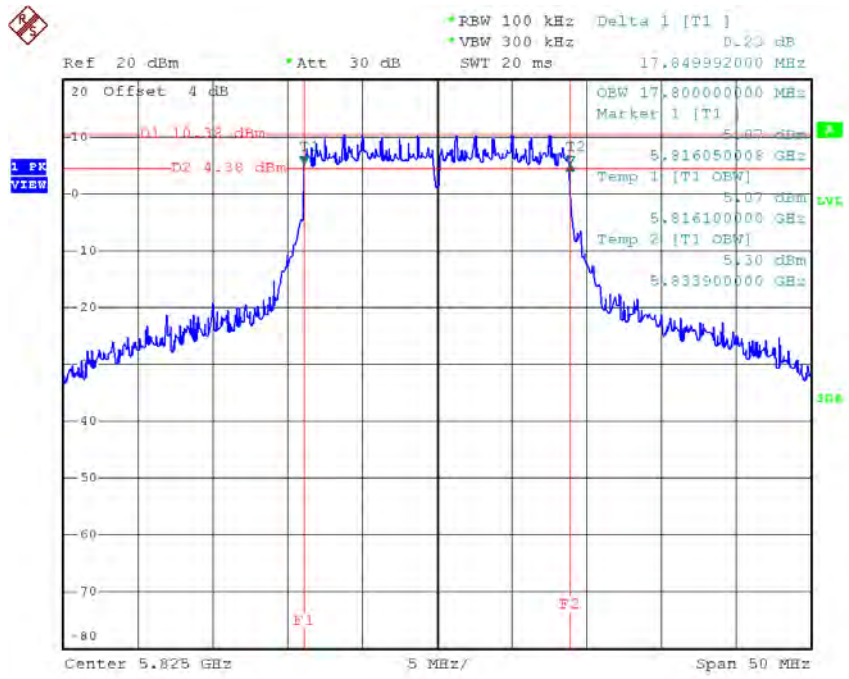
Date: 19.SEP.2016 14:14:30

TX CH 157



Date: 19.SEP.2016 14:15:49

TX CH 165

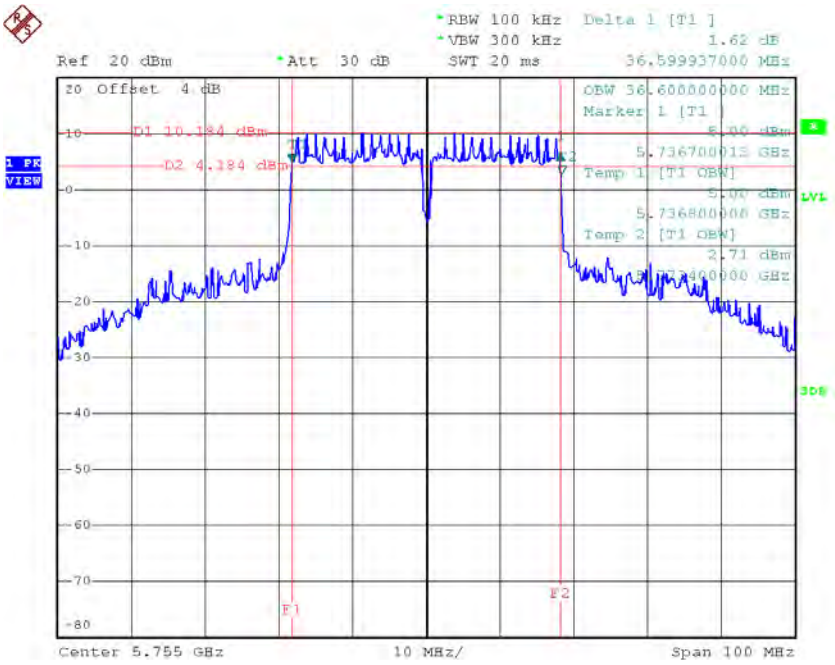


Date: 19.SEP.2016 14:16:54

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

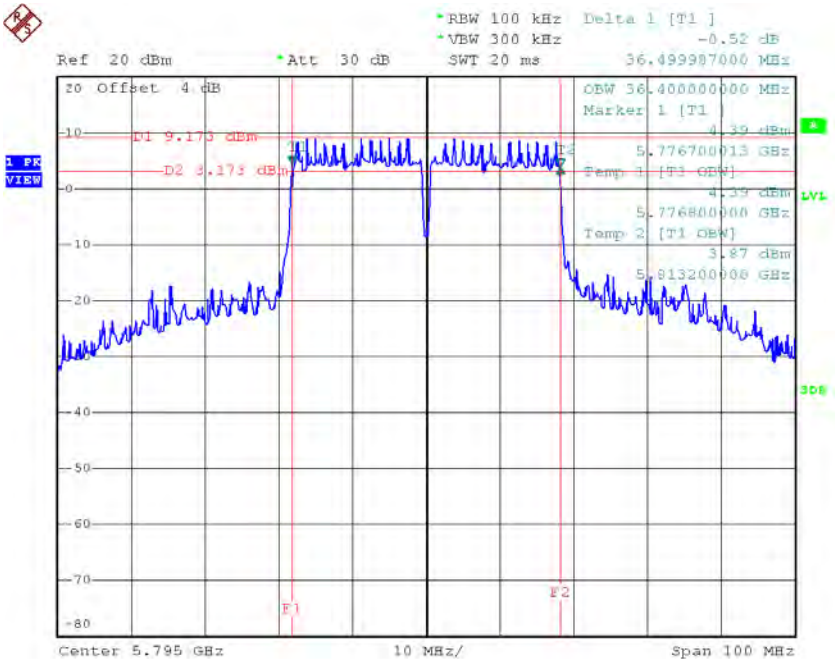
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.60	36.60	>=500
CH159	5795	36.50	36.40	>=500

TX CH 151



Date: 19.SEP.2016 14:44:56

TX CH 159

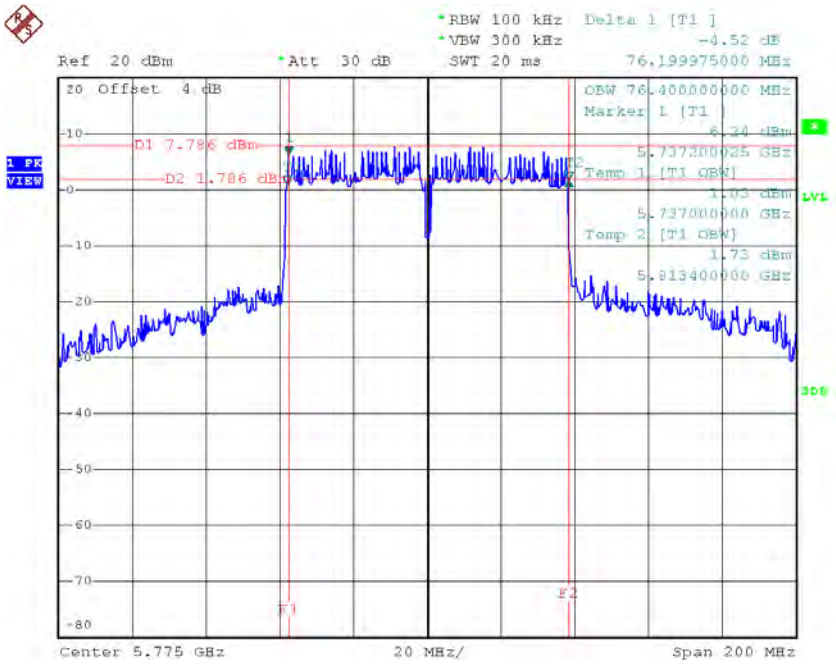


Date: 19.SEP.2016 14:46:13

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	76.20	76.40	>=500

TX CH 155



ATTACHMENT F - MAXIMUM OUTPUT POWER

Test Mode: UNII-1/TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	19.52	0.25	19.77	30.00	1.00
CH40	5200	21.35	0.25	21.60	30.00	1.00
CH48	5240	25.12	0.25	25.37	30.00	1.00

Test Mode: UNII-3/ TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	26.83	0.25	27.08	30.00	1.00
CH157	5785	26.75	0.25	27.00	30.00	1.00
CH165	5825	26.02	0.25	26.27	30.00	1.00

Test Mode: UNII-1/TX N20 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	18.78	0.46	19.24	30.00	1.00
CH40	5200	20.43	0.46	20.89	30.00	1.00
CH48	5240	23.64	0.46	24.10	30.00	1.00

Test Mode: UNII-1/TX N20 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	18.45	0.46	18.91	30.00	1.00
CH40	5200	20.06	0.46	20.52	30.00	1.00
CH48	5240	23.25	0.46	23.71	30.00	1.00

Test Mode: UNII-1/TX N20 Mode _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	22.09	30.00	1.00
CH40	5200	23.72	30.00	1.00
CH48	5240	26.92	30.00	1.00

Test Mode: UNII-1/TX N40 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	17.53	1.11	18.64	30.00	1.00
CH46	5230	19.37	1.11	20.48	30.00	1.00

Test Mode: UNII-1/TX N40 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	17.09	1.11	18.20	30.00	1.00
CH46	5230	19.16	1.11	20.27	30.00	1.00

Test Mode: UNII-1/TX N40 Mode _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	21.43	30.00	1.00
CH46	5230	23.38	30.00	1.00

Test Mode: UNII-3/TX N20 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.14	0.46	24.60	30.00	1.00
CH157	5785	23.68	0.46	24.14	30.00	1.00
CH165	5825	22.78	0.46	23.24	30.00	1.00

Test Mode: UNII-3/TX N20 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	23.81	0.46	24.27	30.00	1.00
CH157	5785	23.32	0.46	23.78	30.00	1.00
CH165	5825	22.69	0.46	23.15	30.00	1.00

Test Mode: UNII-3/TX N20 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	27.45	30.00	1.00
CH157	5785	26.98	30.00	1.00
CH165	5825	26.21	30.00	1.00

Test Mode: UNII-3/ TX N40 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	24.04	1.11	25.15	30.00	1.00
CH159	5795	23.33	1.11	24.44	30.00	1.00

Test Mode: UNII-3/ TX N40 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	23.48	1.11	24.59	30.00	1.00
CH159	5795	23.12	1.11	24.23	30.00	1.00

Test Mode: UNII-3/ TX N40 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	27.89	30.00	1.00
CH159	5795	27.34	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	18.78	1.30	20.08	30.00	1.00
CH40	5200	20.12	1.30	21.42	30.00	1.00
CH48	5240	23.05	1.30	24.35	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	18.54	1.30	19.84	30.00	1.00
CH40	5200	19.61	1.30	20.91	30.00	1.00
CH48	5240	22.75	1.30	24.05	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	22.97	30.00	1.00
CH40	5200	24.18	30.00	1.00
CH48	5240	27.21	30.00	1.00

Test Mode: UNII-1/TX AC40 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	16.24	2.63	18.87	30.00	1.00
CH46	5230	18.49	2.63	21.12	30.00	1.00

Test Mode: UNII-1/TX AC40 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	15.96	2.63	18.59	30.00	1.00
CH46	5230	18.35	2.63	20.98	30.00	1.00

Test Mode: UNII-1/TX AC40 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	21.74	30.00	1.00
CH46	5230	24.06	30.00	1.00

Test Mode: UNII-1/TX AC80 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	14.57	4.77	19.34	30.00	1.00

Test Mode: UNII-1/TX AC80 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	14.13	4.77	18.90	30.00	1.00

Test Mode: UNII-1/TX AC80 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	22.14	30.00	1.00

Test Mode: UNII-3/TX AC20 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.14	1.30	25.44	30.00	1.00
CH157	5785	23.48	1.30	24.78	30.00	1.00
CH165	5825	23.11	1.30	24.41	30.00	1.00

Test Mode: UNII-3/TX AC20 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	23.83	1.30	25.13	30.00	1.00
CH157	5785	22.99	1.30	24.29	30.00	1.00
CH165	5825	22.85	1.30	24.15	30.00	1.00

Test Mode: UNII-3/TX AC20 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	28.29	30.00	1.00
CH157	5785	27.55	30.00	1.00
CH165	5825	27.29	30.00	1.00

Test Mode: UNII-3/TX AC40 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	22.79	2.63	25.42	30.00	1.00
CH159	5795	22.18	2.63	24.81	30.00	1.00

Test Mode: UNII-3/TX AC40 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	22.24	2.63	24.87	30.00	1.00
CH159	5795	21.69	2.63	24.32	30.00	1.00

Test Mode: UNII-3/TX AC40 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	28.17	30.00	1.00
CH159	5795	27.58	30.00	1.00

Test Mode: UNII-3/TX AC80 Mode_ANT 1						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	20.54	4.77	25.31	30.00	1.00

Test Mode: UNII-3/TX AC80 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	20.13	4.77	24.90	30.00	1.00

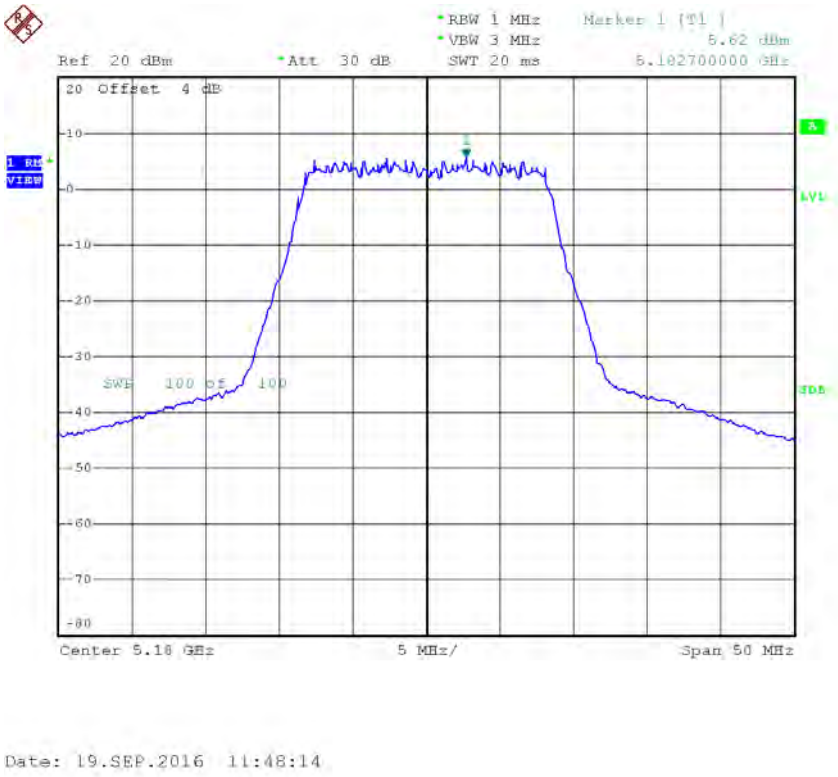
Test Mode: UNII-3/TX AC80 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	28.12	30.00	1.00

ATTACHMENT G - POWER SPECTRAL DENSITY

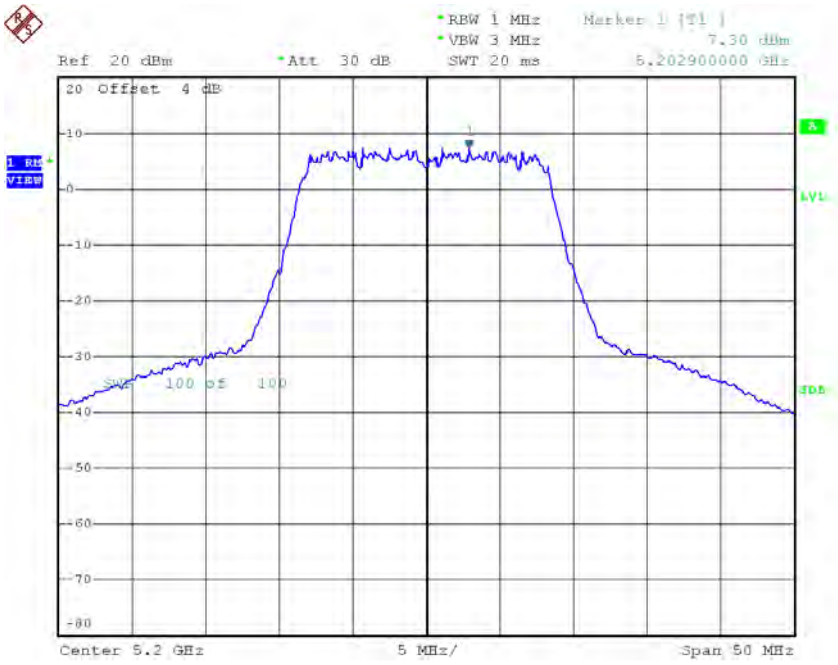
Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	5.62	0.25	5.87	17.00
CH40	5200	7.30	0.25	7.55	17.00
CH48	5240	11.36	0.25	11.61	17.00

CH36

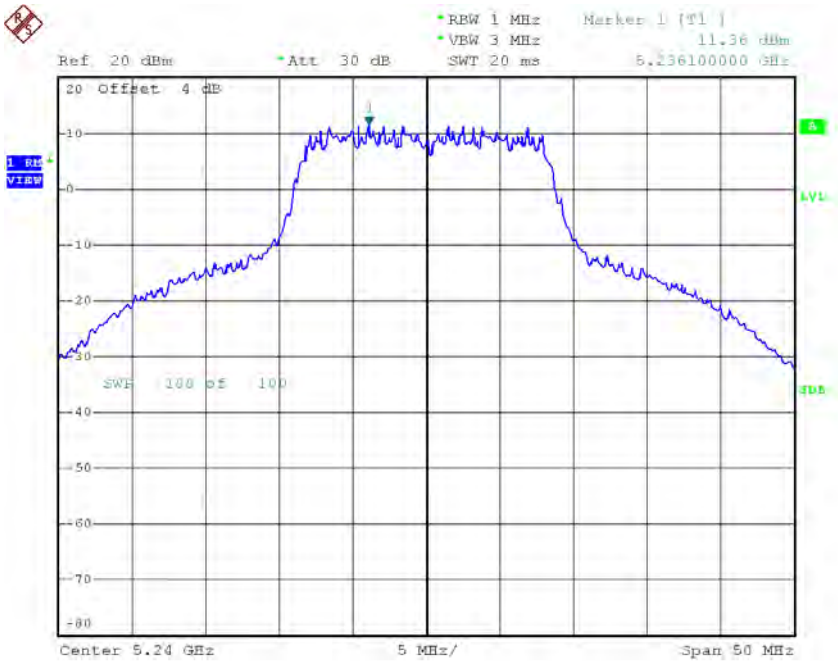


CH40



Date: 19.SEP.2016 11:54:51

CH48



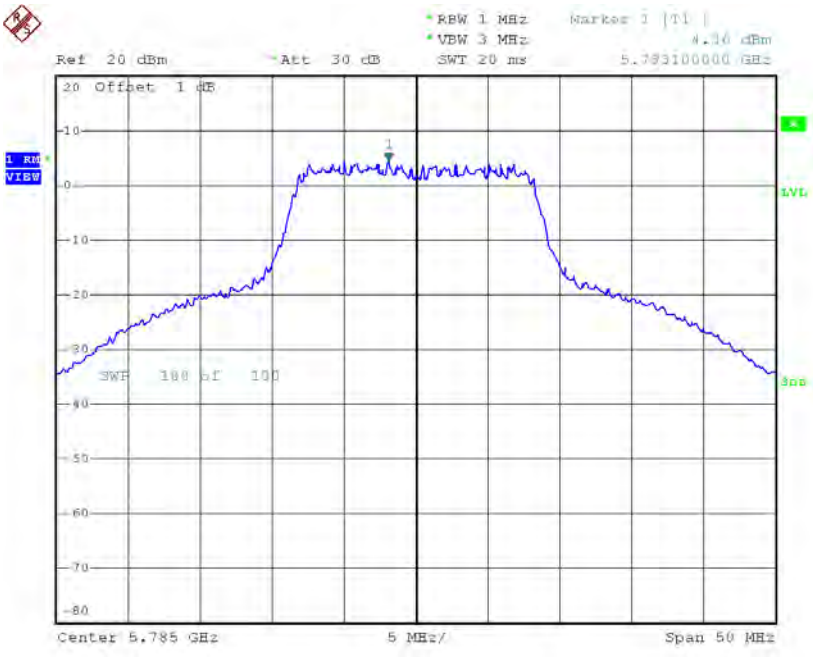
Date: 19.SEP.2016 11:56:18

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

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	6.30	0.25	6.55	30.00
CH157	5785	4.36	0.25	4.61	30.00
CH165	5825	2.88	0.25	3.13	30.00

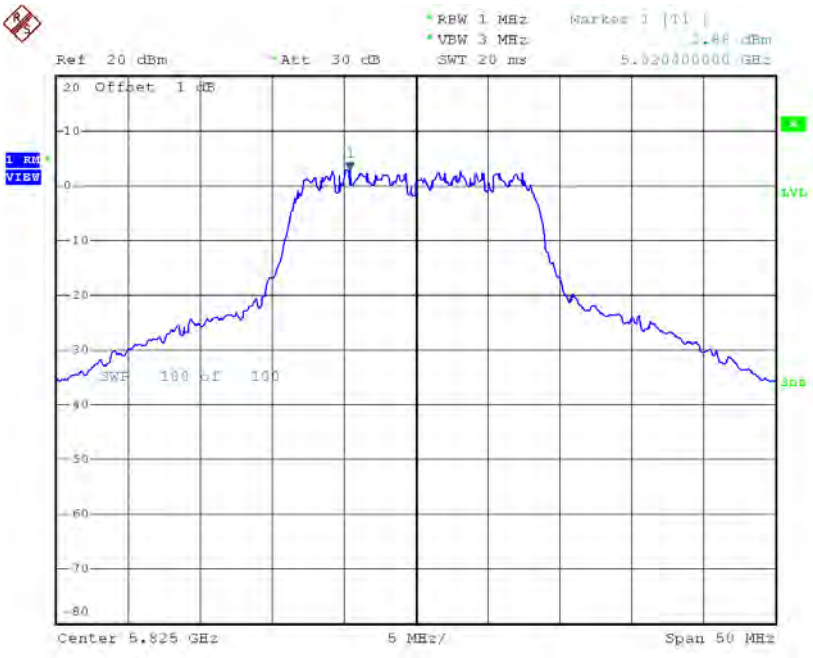
TX CH149

TX CH157



Date: 19.SEP.2016 12:03:27

TX CH165



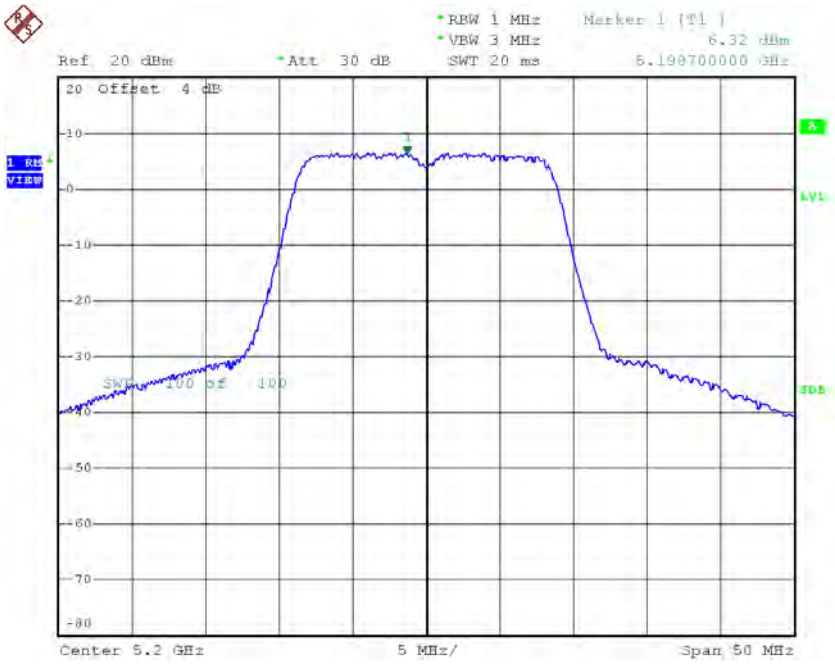
Date: 19.SEP.2016 12:04:37

Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	4.71	1.30	6.01	17.00
CH40	5200	6.32	1.30	7.62	17.00
CH48	5240	9.97	1.30	11.27	17.00

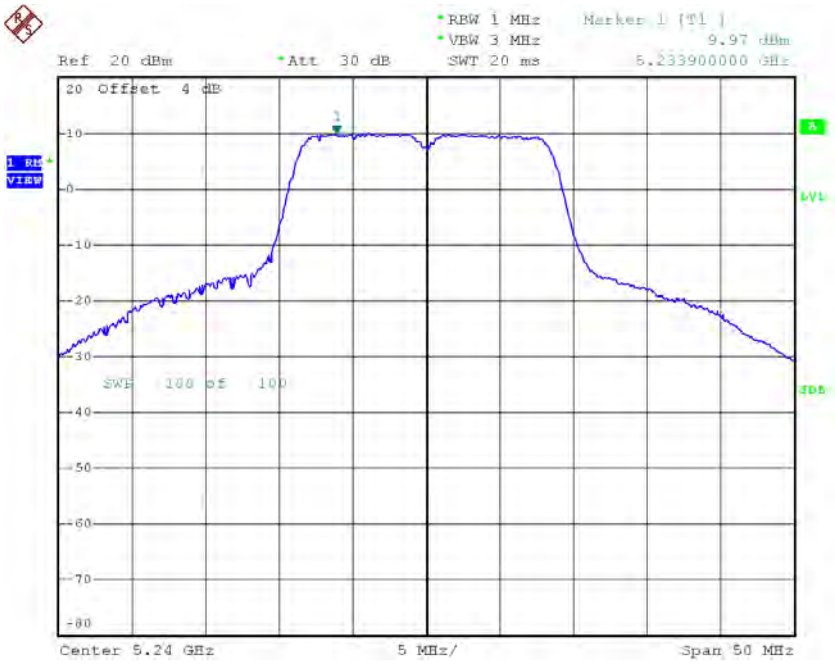
CH36

CH40



Date: 19.SEP.2016 14:12:25

CH48

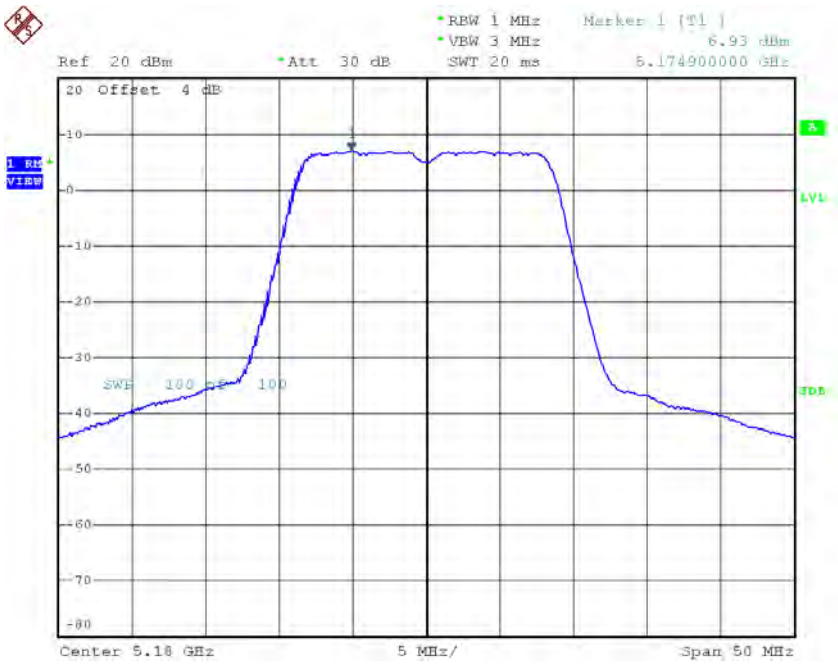


Date: 19.SEP.2016 14:13:19

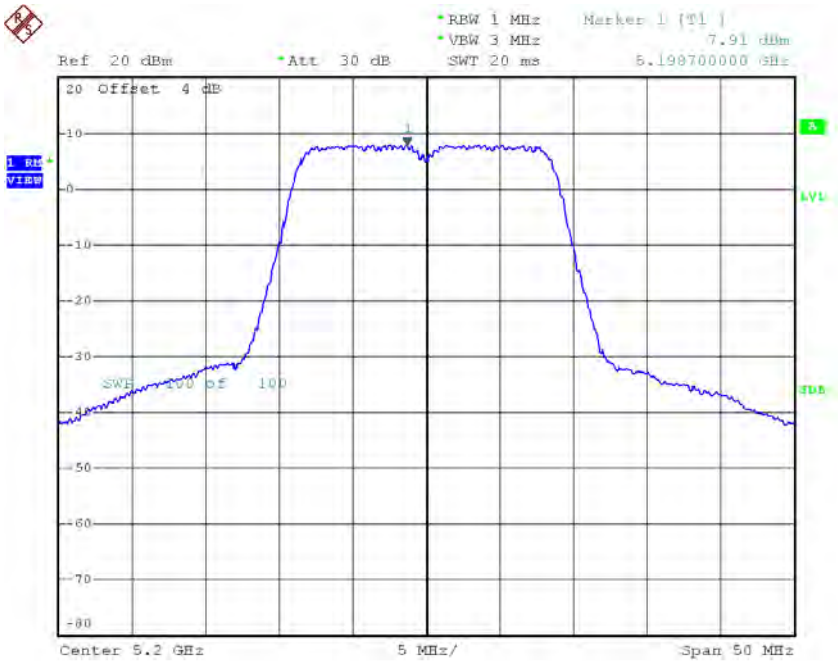
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	6.93	1.30	8.23	17.00
CH40	5200	7.91	1.30	9.21	17.00
CH48	5240	10.94	1.30	12.24	17.00

CH36

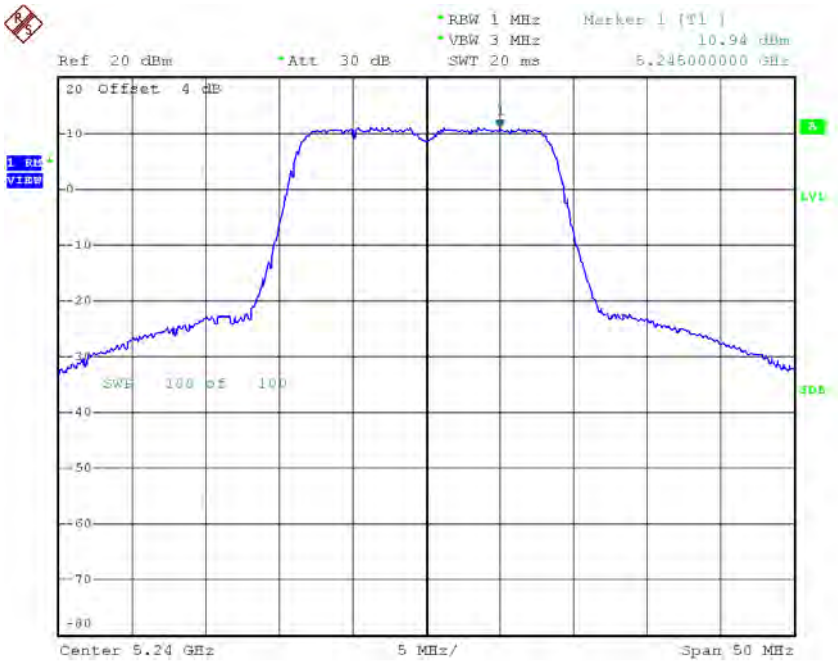


CH40



Date: 19.SEP.2016 14:04:59

CH48



Date: 19.SEP.2016 14:06:08

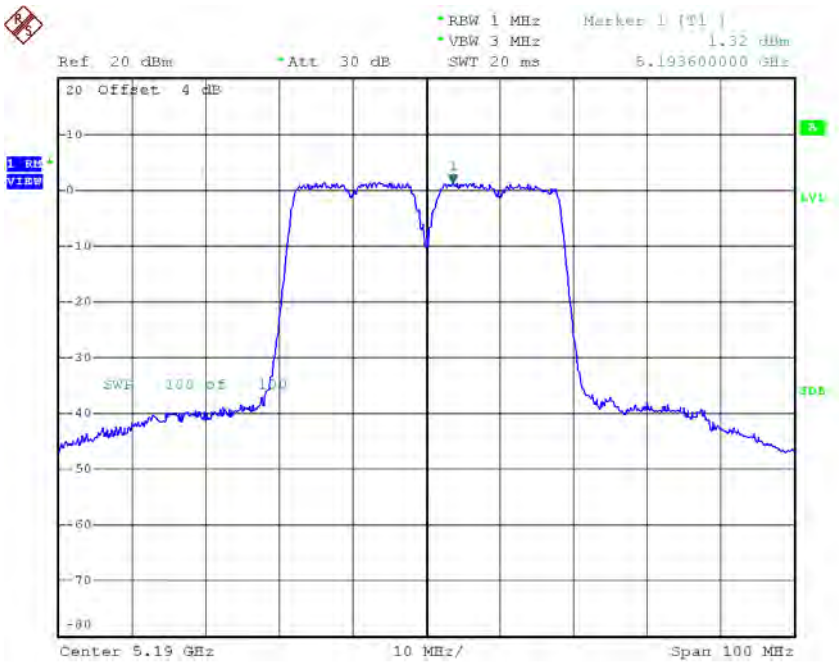
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	10.27	17.00
CH40	5200	11.50	17.00
CH48	5240	14.79	17.00

Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_ANT 1

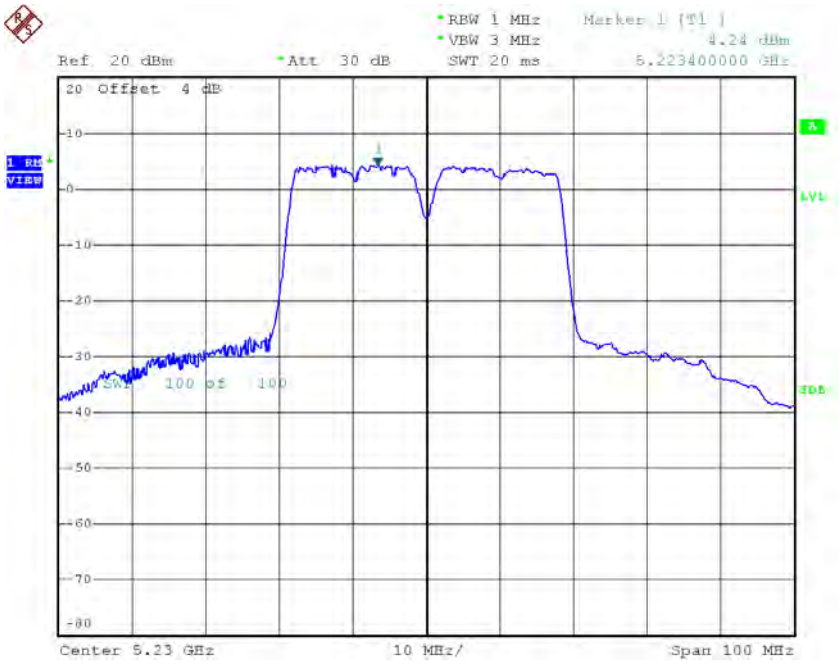
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	1.32	2.63	3.95	17.00
CH46	5230	4.24	2.63	6.87	17.00

CH38



Date: 19.SEP.2016 14:42:13

CH46

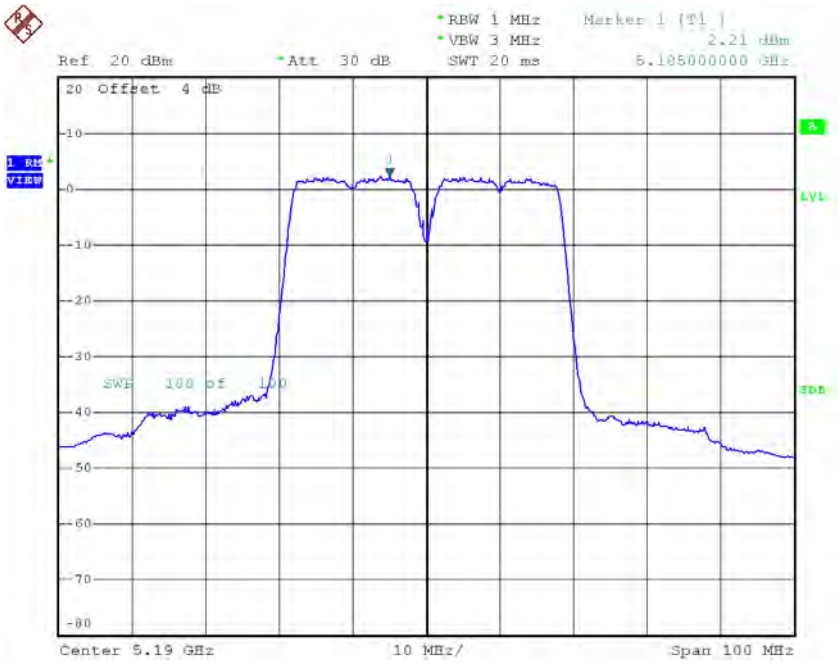


Date: 19.SEP.2016 14:43:48

Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_ANT 2

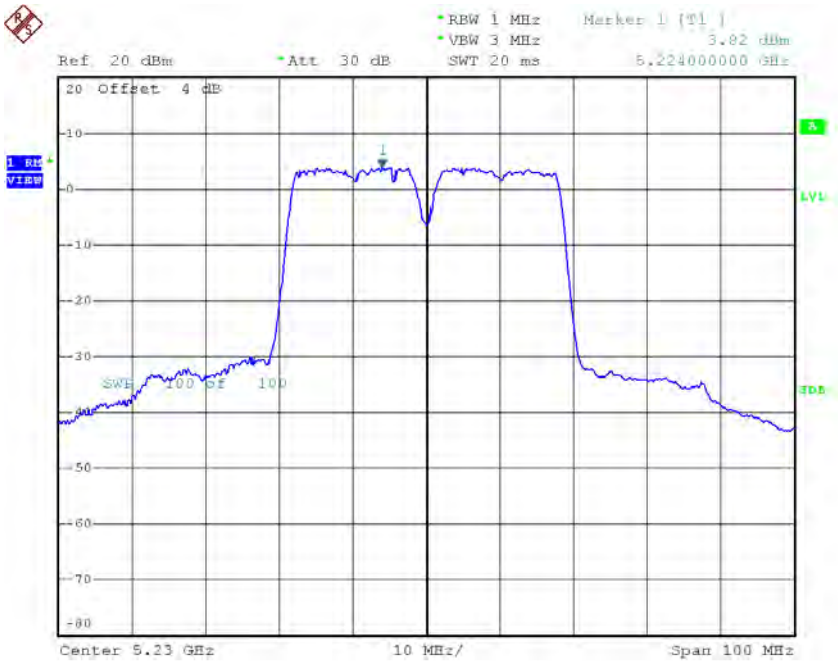
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	2.21	2.63	4.84	17.00
CH46	5230	3.82	2.63	6.45	17.00

CH38



Date: 19.SEP.2016 14:36:10

CH46



Date: 19.SEP.2016 14:37:42

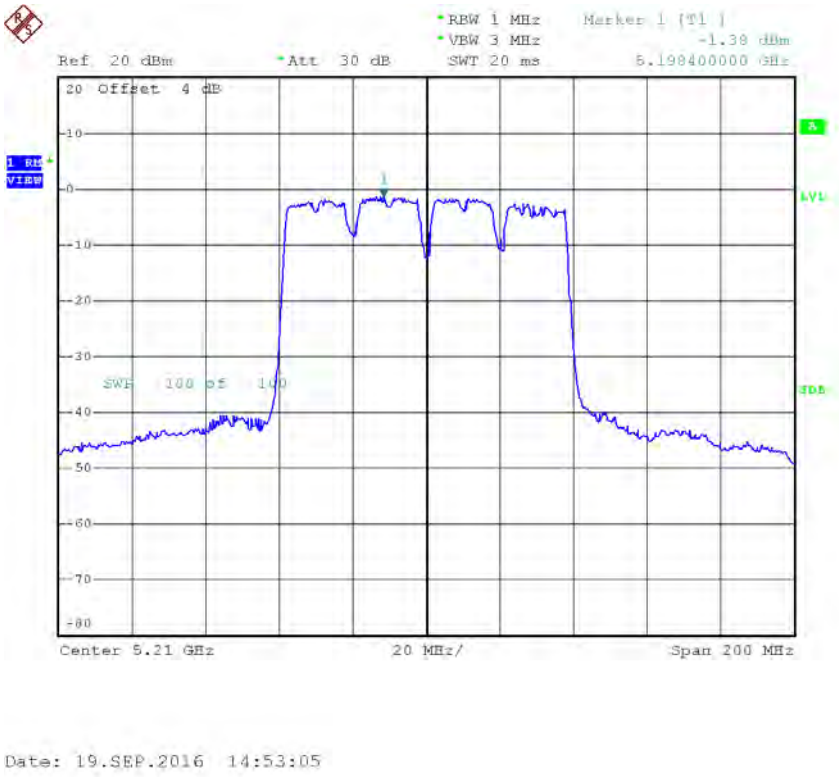
Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	7.43	17.00
CH46	5230	9.68	17.00

Test Mode: UNII-1/TX AC80 Mode_CH42_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	-1.38	4.77	3.39	17.00

CH42



Test Mode: UNII-1/TX AC80 Mode_CH42_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	0.34	4.77	5.11	17.00

CH42

Date: 19.SEP.2016 14:56:49

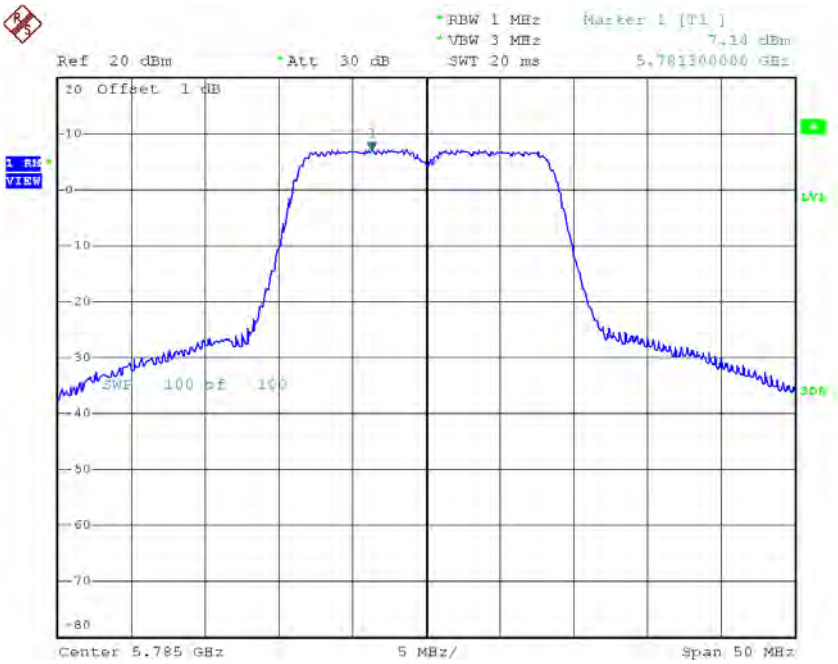
Test Mode: UNII-1/TX AC80 Mode_CH42_Total			
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	7.34	17.00

Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	8.49	1.30	9.79	30.00
CH157	5785	7.14	1.30	8.44	30.00
CH165	5825	6.15	1.30	7.45	30.00

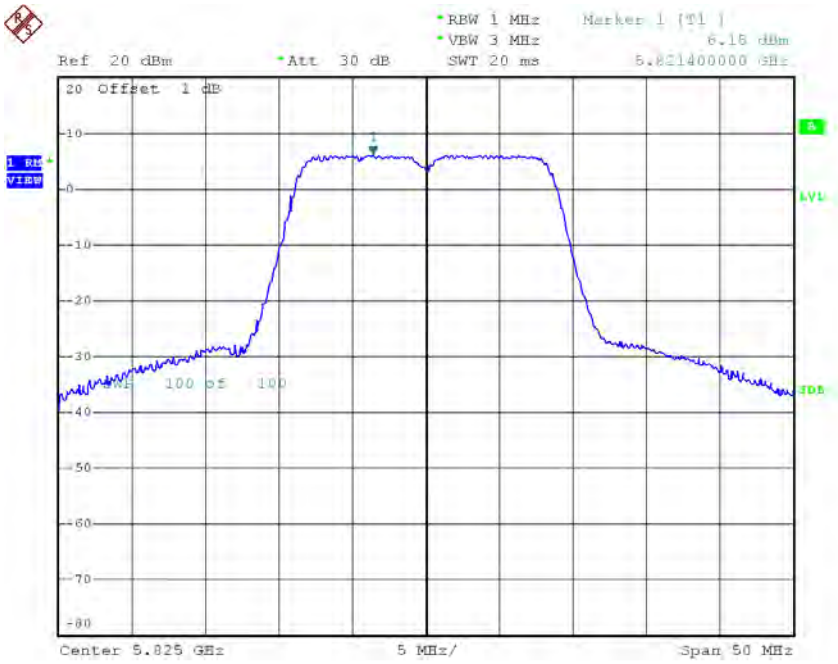
TX CH149

TX CH157



Date: 19.SEP.2016 14:15:59

TX CH165



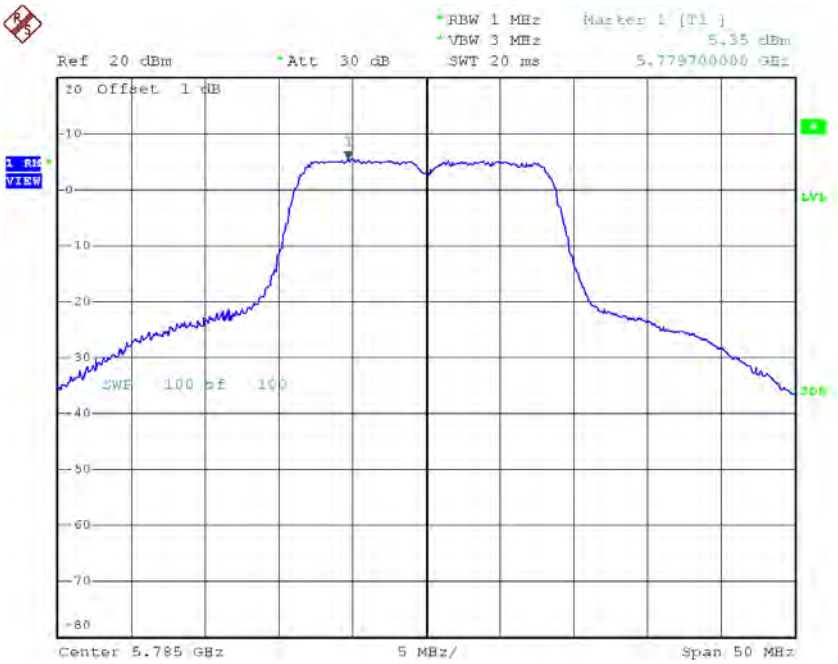
Date: 19.SEP.2016 14:17:04

Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	6.53	1.30	7.83	30.00
CH157	5785	5.35	1.30	6.65	30.00
CH165	5825	4.38	1.30	5.68	30.00

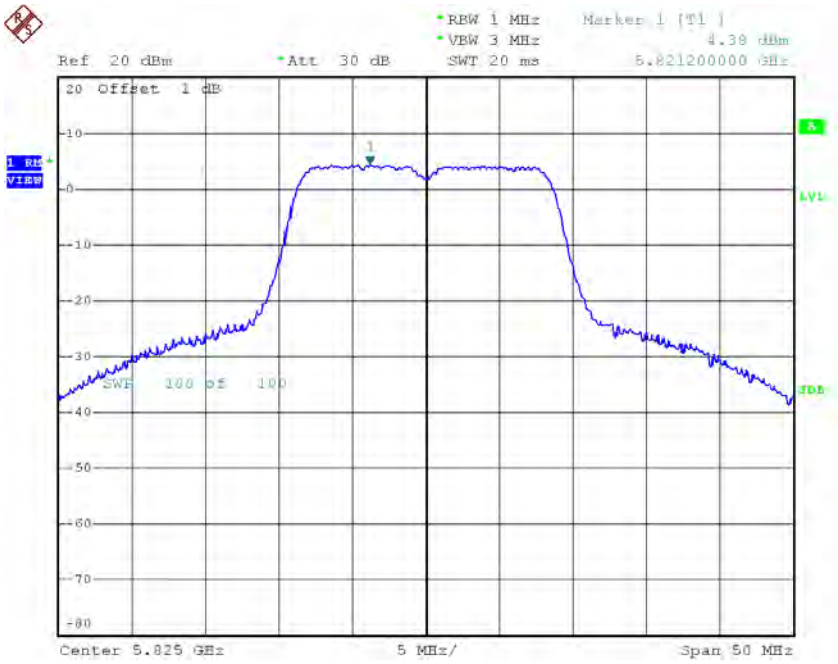
TX CH149

TX CH157



Date: 19.SEP.2016 14:08:40

TX CH165



Date: 19.SEP.2016 14:09:46

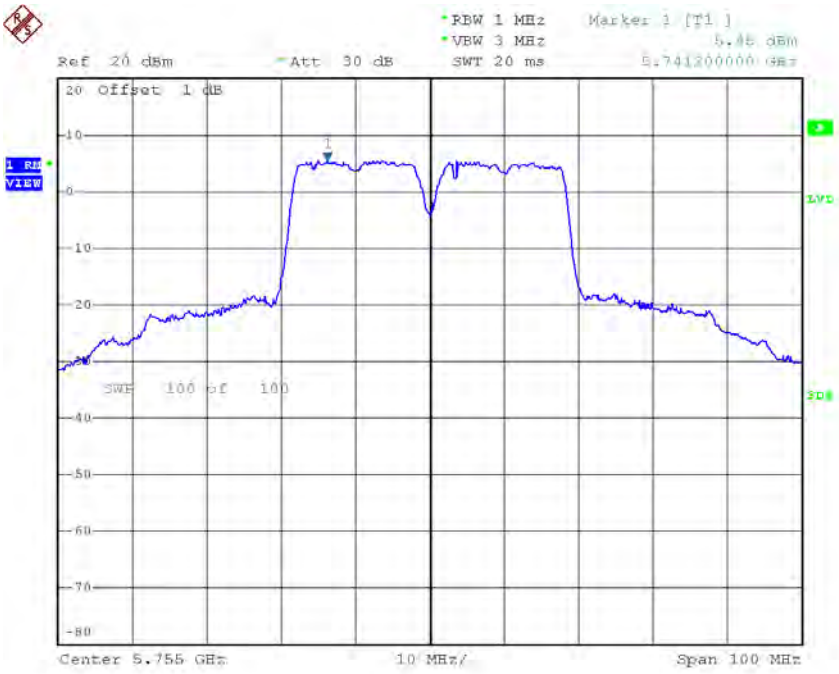
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	11.93	30.00
CH157	5785	10.65	30.00
CH165	5825	9.66	30.00

Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159_ANT 1

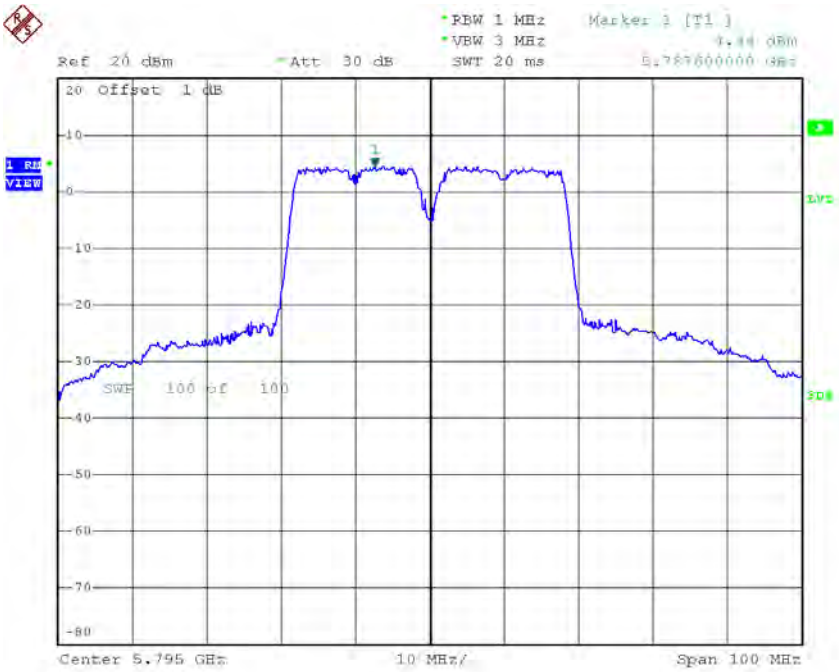
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	5.45	2.63	8.08	30.00
CH159	5795	4.44	2.63	7.07	30.00

TX CH151



Date: 19.SEP.2016 14:45:09

TX CH159

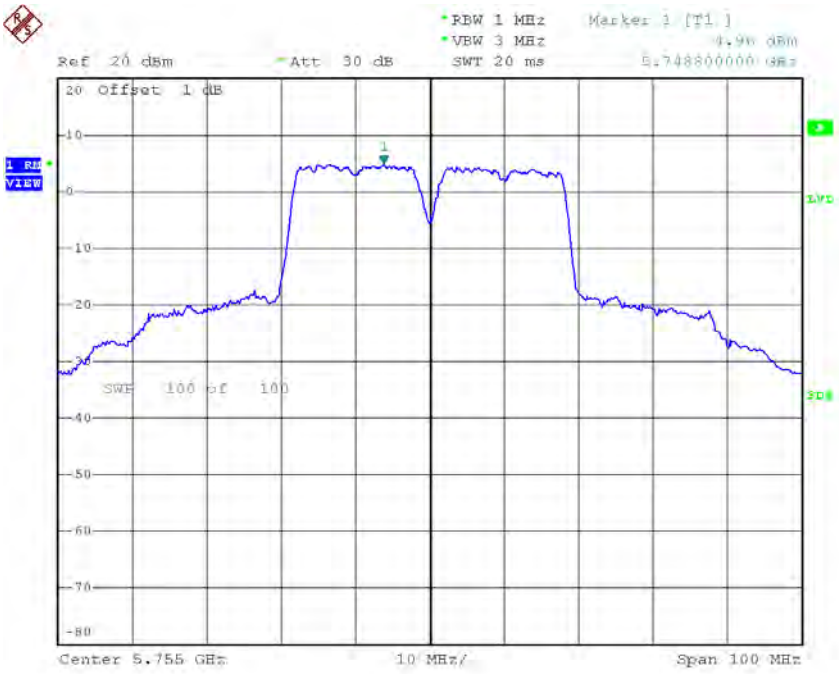


Date: 19.SEP.2016 14:46:26

Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159_ANT 2

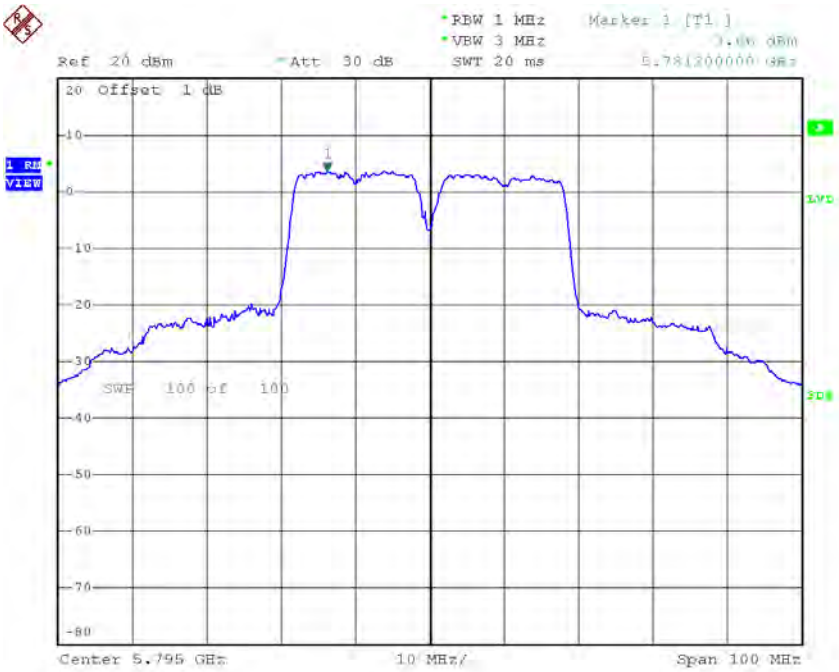
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	4.96	2.63	7.59	30.00
CH159	5795	3.66	2.63	6.29	30.00

TX CH151



Date: 19.SEP.2016 14:39:00

TX CH159



Date: 19.SEP.2016 14:40:19

Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	10.85	30.00
CH159	5795	9.71	30.00

Test Mode: UNII-3/ TX AC80 Mode_CH155_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH155	5775	2.39	4.77	7.16	30.00

TX CH155

Test Mode: UNII-3/ TX AC80 Mode_CH155_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH155	5775	3.42	4.77	8.19	30.00

TX CH155

Test Mode: UNII-3/ TX AC80 Mode_CH155_Total			
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH155	5775	10.72	30.00

ATTACHMENT H - FREQUENCY STABILITY

Test Mode:	UNII-1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
132	5180.0076
120	5180.0076
108	5180.0096
Max. Deviation (MHz)	0.0096
Max. Deviation (ppm)	1.8533

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5180.0000
-5	5180.0108
5	5180.0092
15	5180.0076
25	5180.0064
35	5180.0052
45	5180.0040
50	5180.0036
Max. Deviation (MHz)	0.0108
Max. Deviation (ppm)	2.0849

Test Mode:	UNII-3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
132	5745.0080
120	5745.0104
108	5745.0116
Max. Deviation (MHz)	0.0116
Max. Deviation (ppm)	2.0191

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5745.0000
-5	5745.0088
5	5745.0068
15	5745.0048
25	5745.0040
35	5745.0036
45	5745.0032
50	5745.0032
Max. Deviation (MHz)	0.0088
Max. Deviation (ppm)	1.5318