FCC Radio Test Report

FCC ID: Q78-ZXV10ET501

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

Project No.	:	1611C202
Equipment	:	Video Conference Terminal
Model Name	:	ZXV10 ET501
Applicant	:	ZTE Corporation
Address	:	ZTE Plaza, Hi-Tech Park, Nanshan District, Shenzhen, Guangdong, P.R.China

Date of Receipt	:	Nov. 25, 2016
Date of Test	:	Nov. 25, 2016 ~ Mar. 31, 2017
Issued Date	:	Apr. 05, 2017
Tested by	:	BTL Inc.

Testing Engineer : Vitas zhou
(Vitas Zhou)

Technical Manager : David Mao
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BTL INC.

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

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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-1-1611C202	Original Issue.	Apr. 05, 2017

1. CERTIFICATION

Equipment	:	Video Conference Terminal
Brand Name	:	ZTE 中兴, ZTE
Model Name	:	ZXV10 ET501
Applicant	:	ZTE Corporation
Manufacturer	:	ZTE Corporation
Address	:	ZTE Plaza, Hi-Tech Park, Nanshan District, Shenzhen, Guangdong, P.R.China
Date of Test	:	Nov. 25, 2016 ~ Mar. 31, 2017
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-1-1611C202) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the WiFi 5GHz UNII-1, UNII-3 with DFS slave part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

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	3.78
		200MHz ~ 1,000MHz	V	4.10
		200MHz ~ 1,000MHz	H	4.06
		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	Video Conference Terminal	
Brand Name	ZTE 中兴; ZTE	
Model Name	ZXV10 ET501	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	20Mbps
Power Source	DC voltage supplied from AC/DC adapter. 1) Brand / Model: HuntKey / HKA02412020-2C 2) Brand / Model: HuntKey / HKA02412020-3M	
Power Rating	1) I/P: 100-240V~50/60Hz 0.8A O/P: 12.0V ⎓ 2.0A 2) I/P: 100-240V~50/60Hz 0.8A O/P: 12.0V ⎓ 2.0A	
Output Power	Output Power (Max.)for UNII-1 (1TX)	802.11a: 13.27dBm 802.11n (20M): 13.31dBm
	Output Power (Max.)for UNII-3 (1TX)	802.11a: 15.26dBm 802.11n (20M): 14.36dBm

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	
Channel	Frequency (MHz)
36	5180
40	5200
44	5220
48	5240

UNII-3	
Channel	Frequency (MHz)
149	5745
153	5765
157	5785
161	5805
165	5825

3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	AIRGAIN	N/A	Printed	N/A	1.8

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 A Mode / CH149,CH157,CH165 (UNII-3)
Mode 4	TX N20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 5	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 5	TX Mode

For Radiated Test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 4	TX N20 Mode / CH149,CH157,CH165 (UNII-3)

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

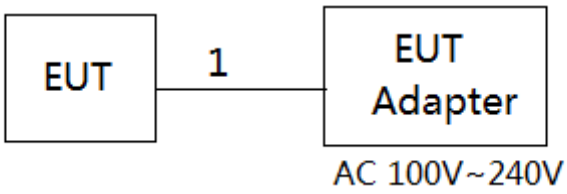
3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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	RF_TEST_TOOL		
Frequency (MHz)	5180	5200	5240
A Mode	N/A	N/A	N/A
Frequency (MHz)	5180	5200	5240
N20 Mode	N/A	N/A	N/A

UNII-3 - 1TX			
Test Software Version	RF_TEST_TOOL		
Frequency (MHz)	5745	5785	5825
A Mode	N/A	N/A	N/A
Frequency (MHz)	5745	5785	5825
N20 Mode	N/A	N/A	N/A

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.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.5m	AC 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.

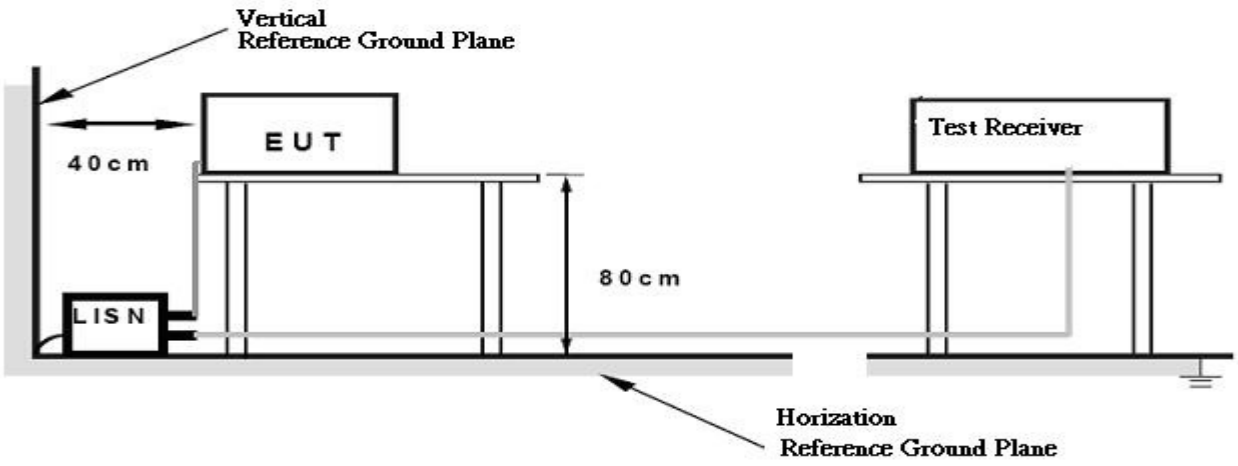
d. LISN at least 80 cm from nearest part of EUT chassis.

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

N/A

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

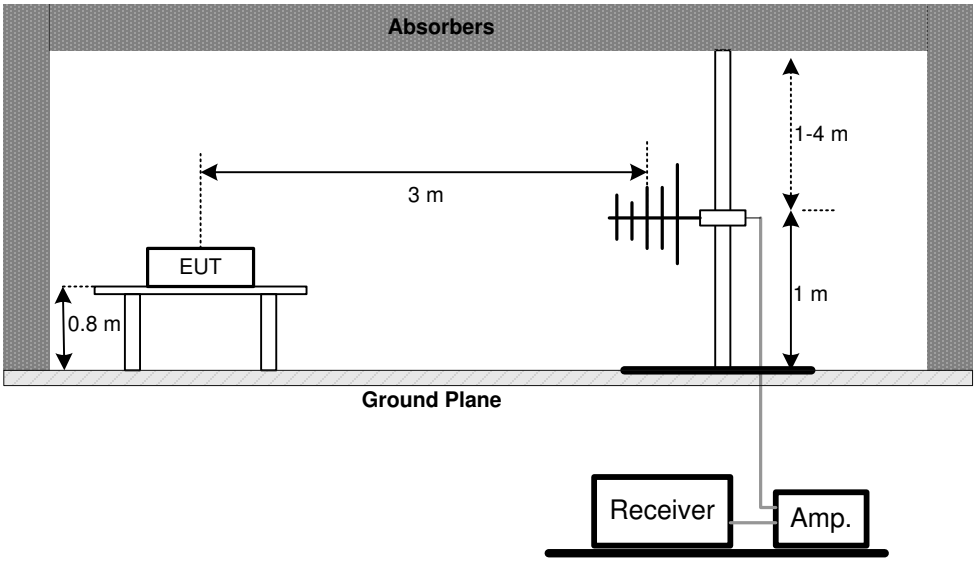
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

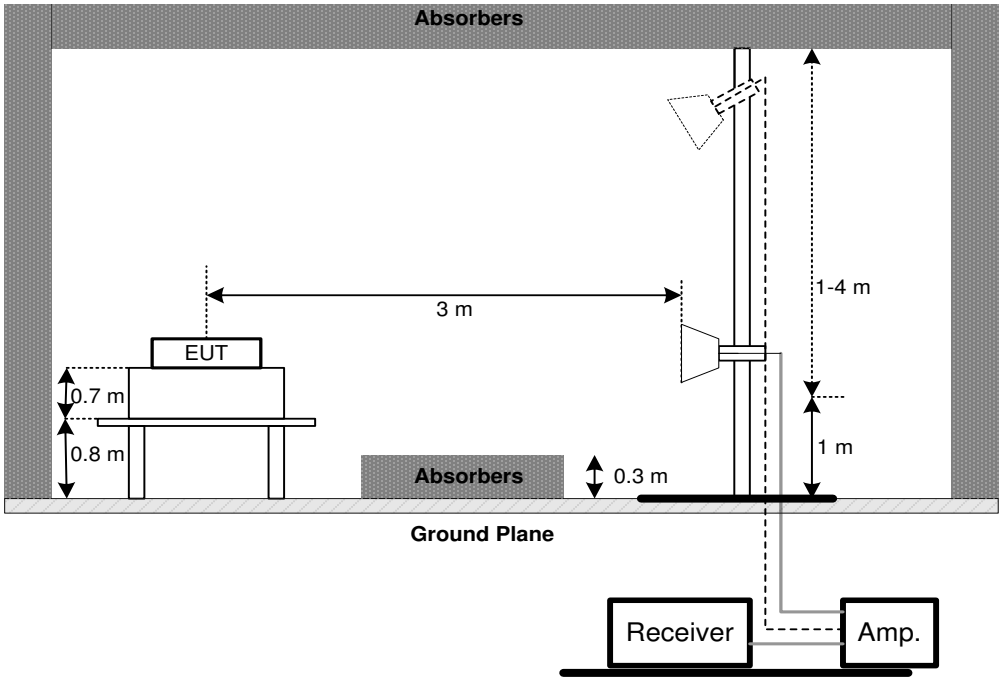
No deviation

4.2.4 TEST SETUP

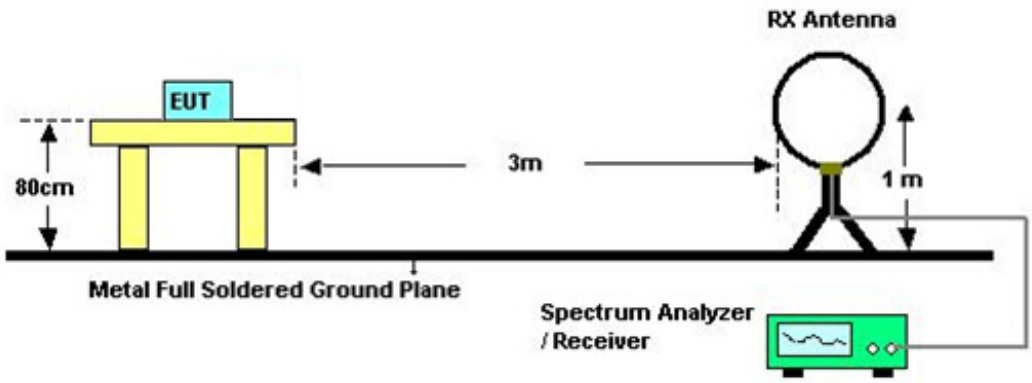
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



(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: 25°C Relative Humidity: 60% 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.

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Attachment D.

Remark:

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

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

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

5.1.1 TEST PROCEDURE

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

b.

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

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 TEST PROCEDURE

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

b.

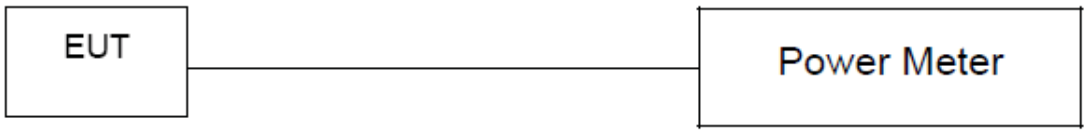
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 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

7.1.1 TEST PROCEDURE

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

b.

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

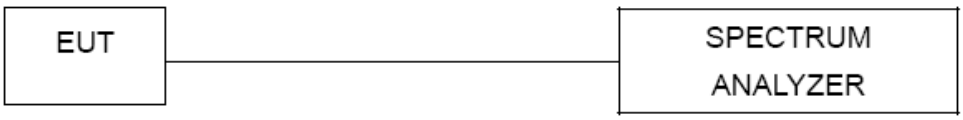
Note:

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.

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

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

7.1.5 EUT TEST CONDITIONS

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

7.1.6 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

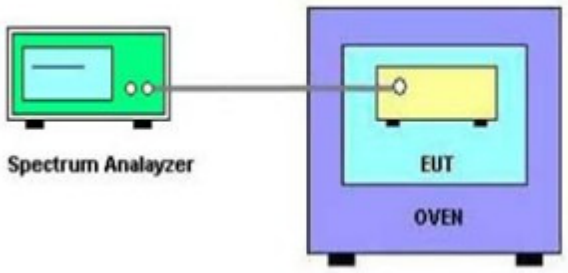
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 26, 2018
2	TWO-LINE V-NETWORK	R&S	ENV216	100526	Mar. 26, 2018
3	EMI Test Receiver	R&S	ESR3	101862	Sep. 04, 2017
4	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Sep. 04, 2017
5	Cable	N/A	RG400 12m	N/A	Mar. 07, 2018
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
3	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
4	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	Jun. 27, 2017
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Amplifier	Agilent	8449B	3008A02274	Feb. 22, 2018
9	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
10	Antenna	EM	EM-6876-1	230	Jul. 08, 2017
11	Controller	CT	SC100	N/A	N/A
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
13	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018

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	Mar. 26, 2018
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 26, 2018

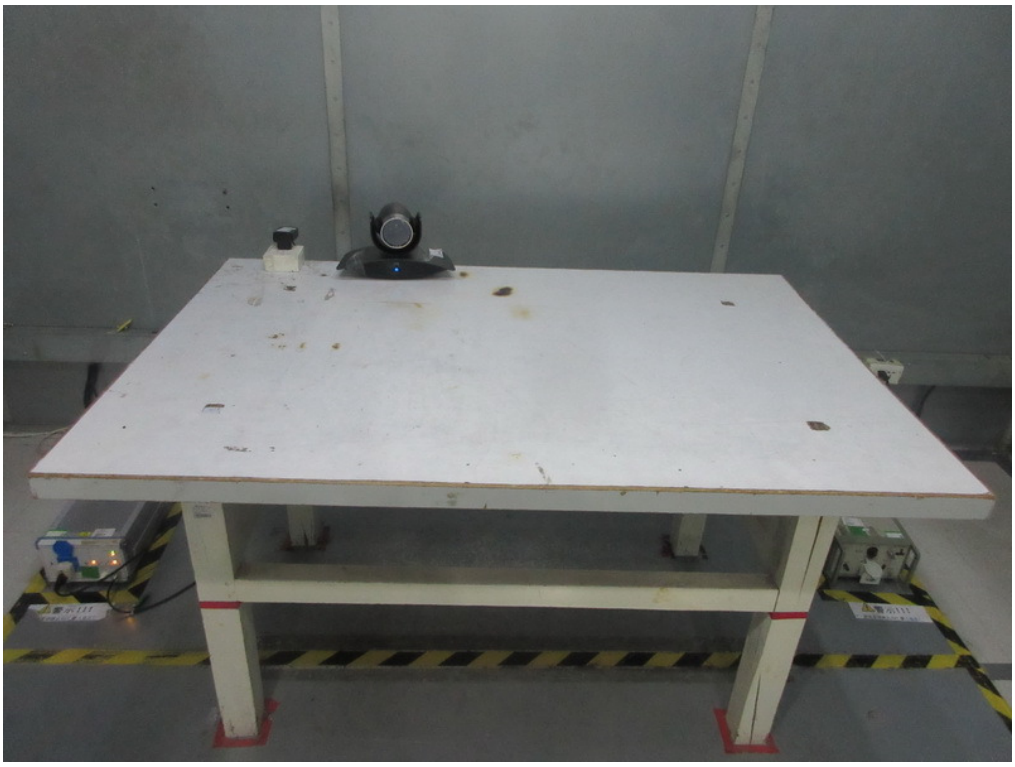
Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

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	Precision Oven Tester	HOLINK	H-T-1F-D	BA03101701	May 22, 2017

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

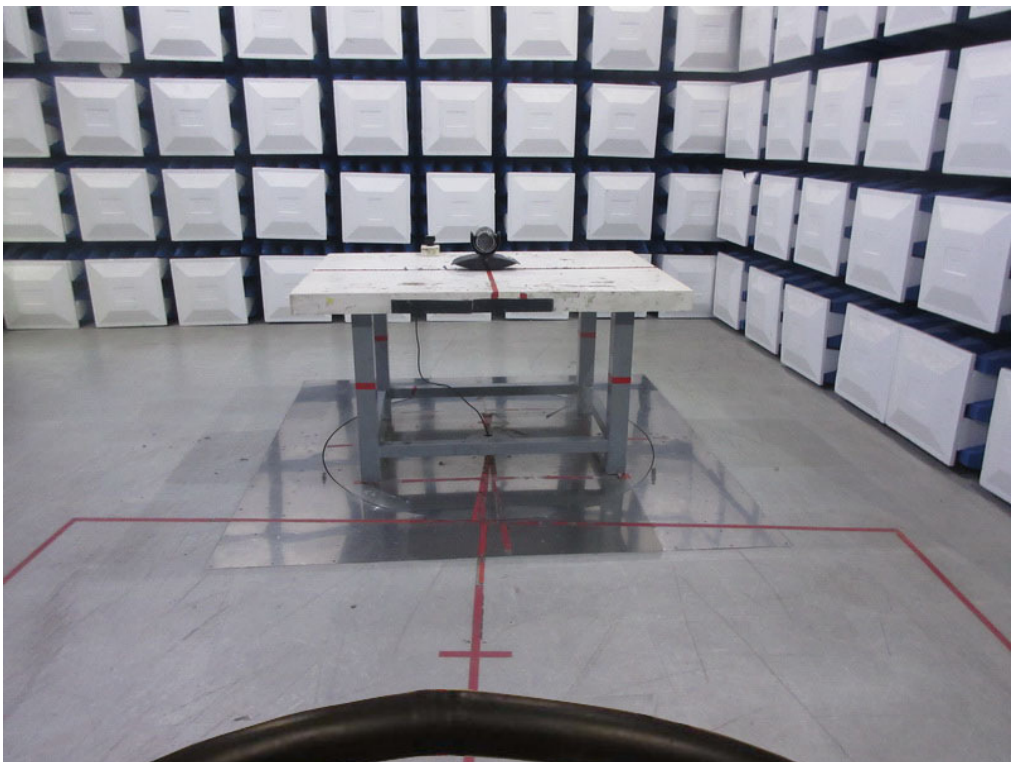
10. EUT TEST PHOTOS

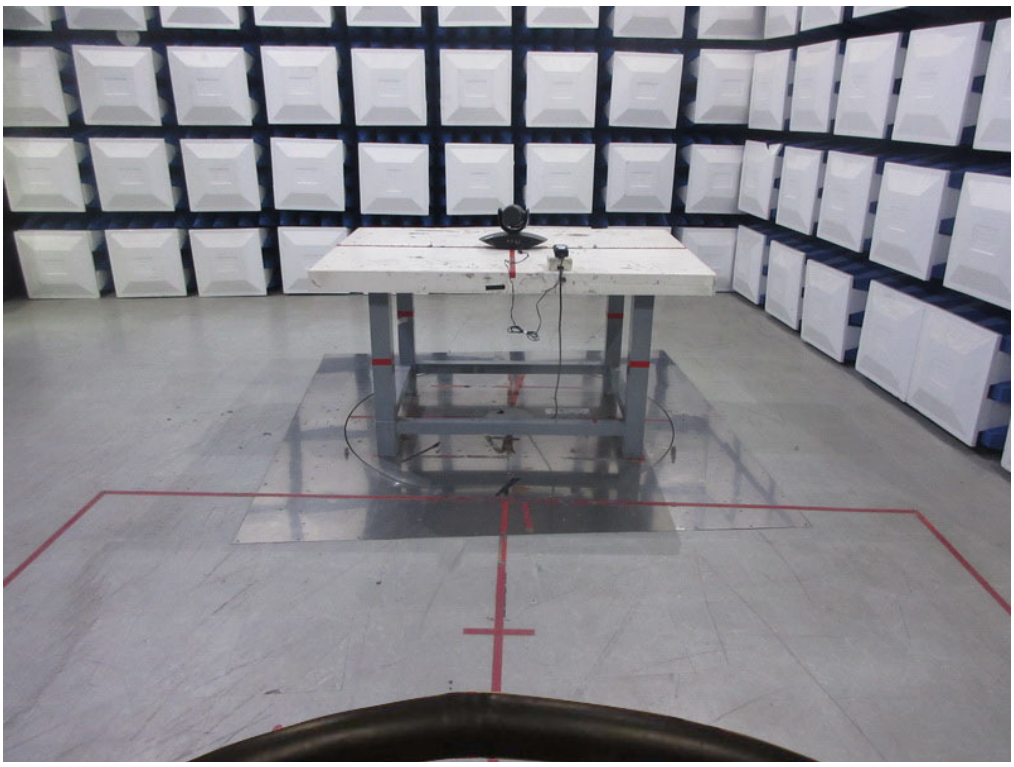
Conducted Measurement Photos



Radiated Measurement Photos

9kHz to 30MHz



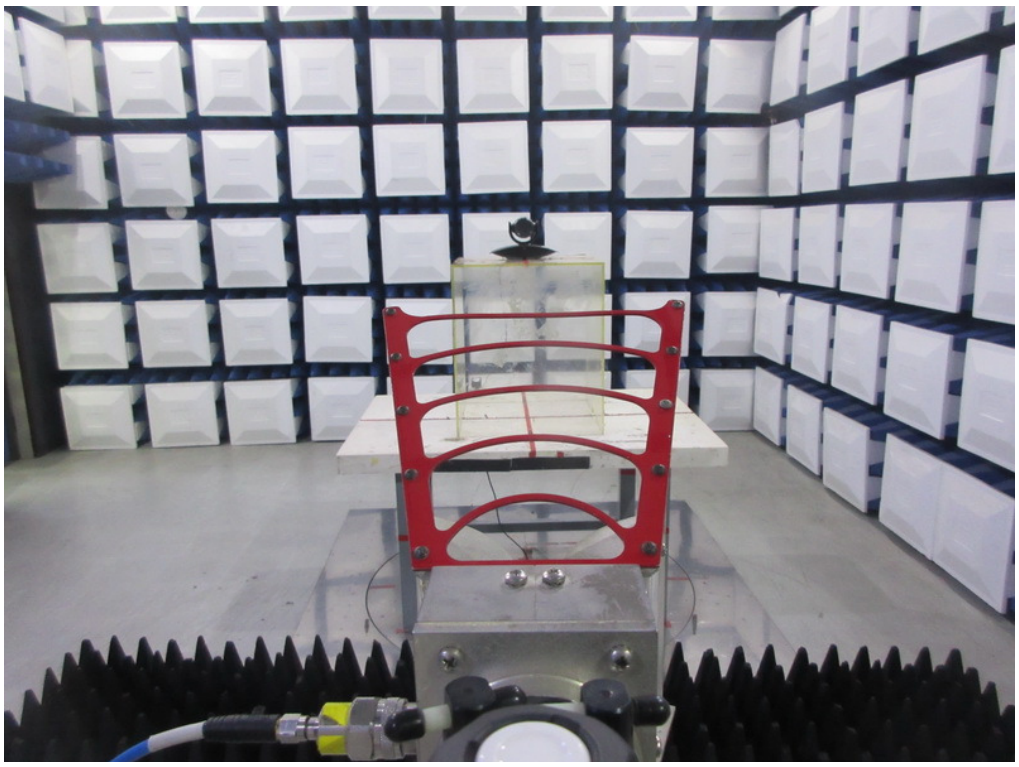


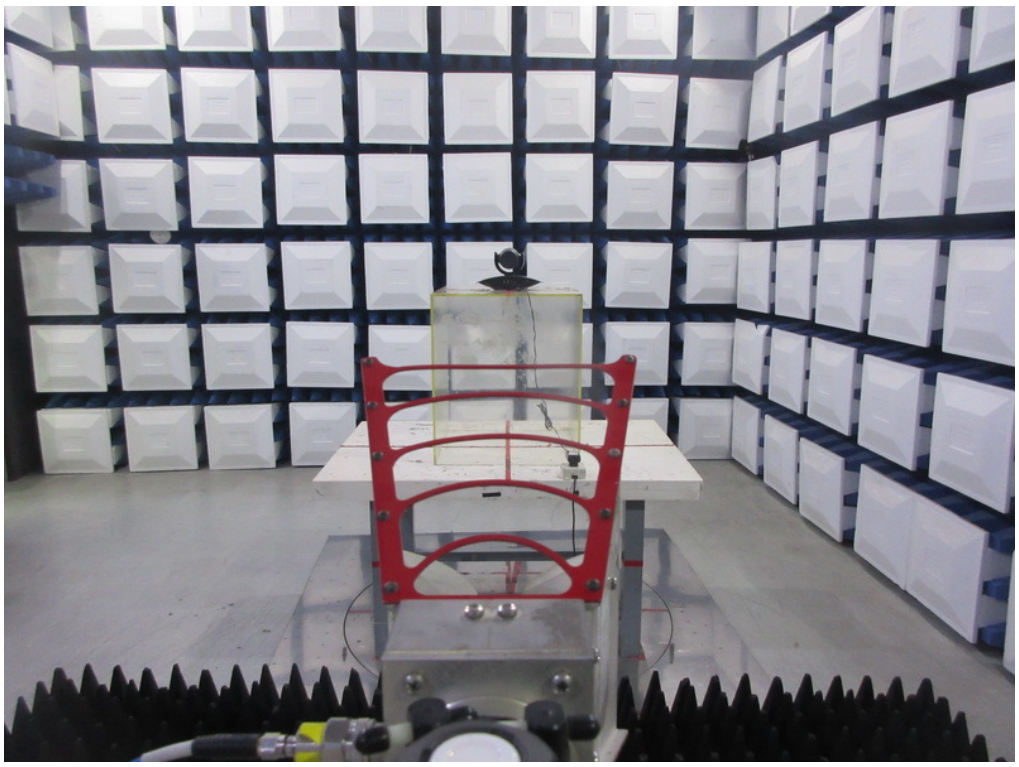
Radiated Measurement Photos

30MHz to 1000MHz

Radiated Measurement Photos

Above 1000MHz

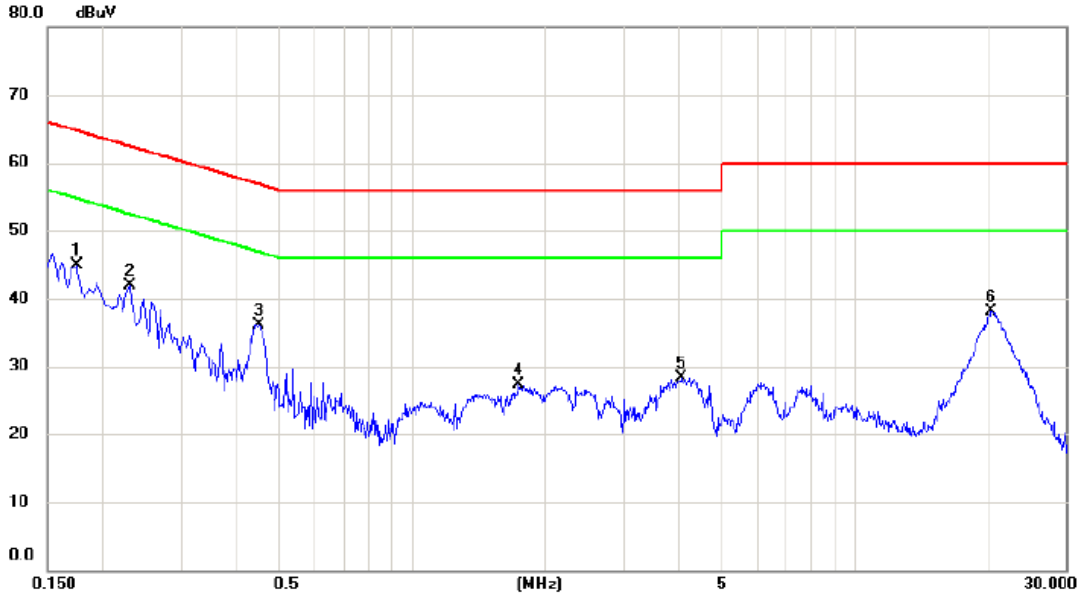




ATTACHMENT A - CONDUCTED EMISSION

Test Mode :	TX Mode

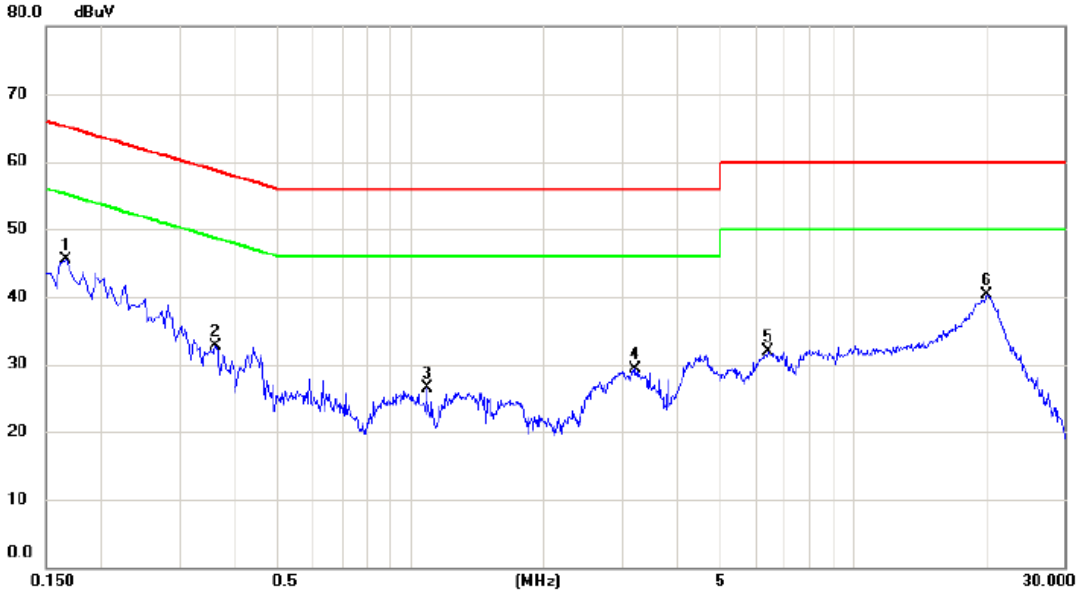
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1740	35.28	9.57	44.85	64.77	-19.92	peak	
2		0.2300	32.26	9.57	41.83	62.45	-20.62	peak	
3		0.4500	26.56	9.64	36.20	56.88	-20.68	peak	
4		1.7380	17.25	9.99	27.24	56.00	-28.76	peak	
5		4.0460	17.95	10.38	28.33	56.00	-27.67	peak	
6		20.3380	27.23	10.81	38.04	60.00	-21.96	peak	

Test Mode :	TX Mode

Neutral

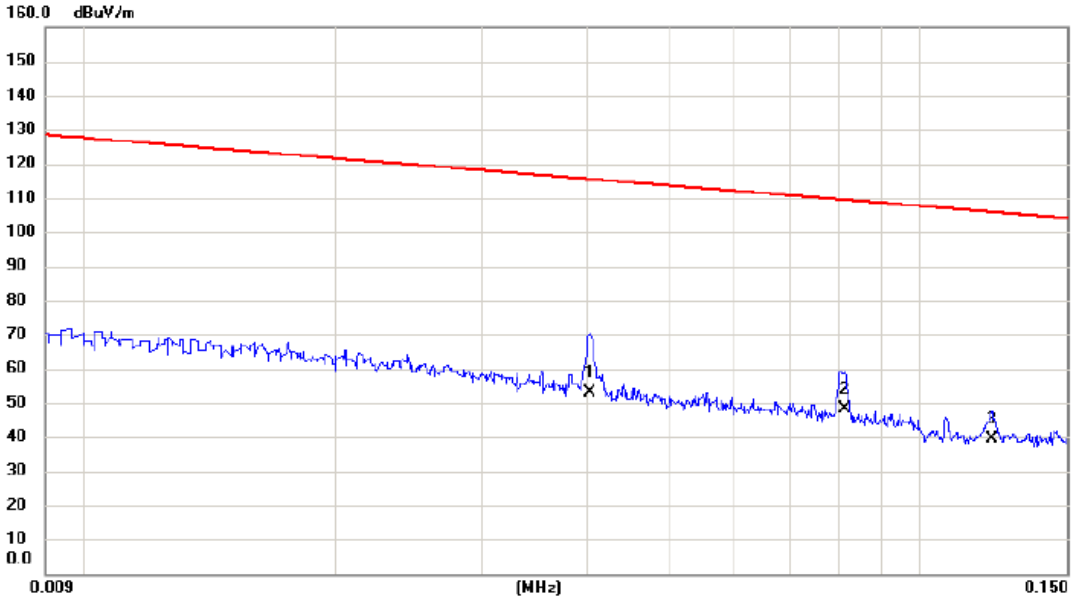


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1660	35.95	9.49	45.44	65.16	-19.72	peak	
2		0.3620	23.19	9.56	32.75	58.68	-25.93	peak	
3		1.0860	16.78	9.75	26.53	56.00	-29.47	peak	
4		3.2060	19.27	9.99	29.26	56.00	-26.74	peak	
5		6.3940	21.60	10.22	31.82	60.00	-28.18	peak	
6		20.0460	29.32	10.90	40.22	60.00	-19.78	peak	

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

Test Mode:	TX MODE

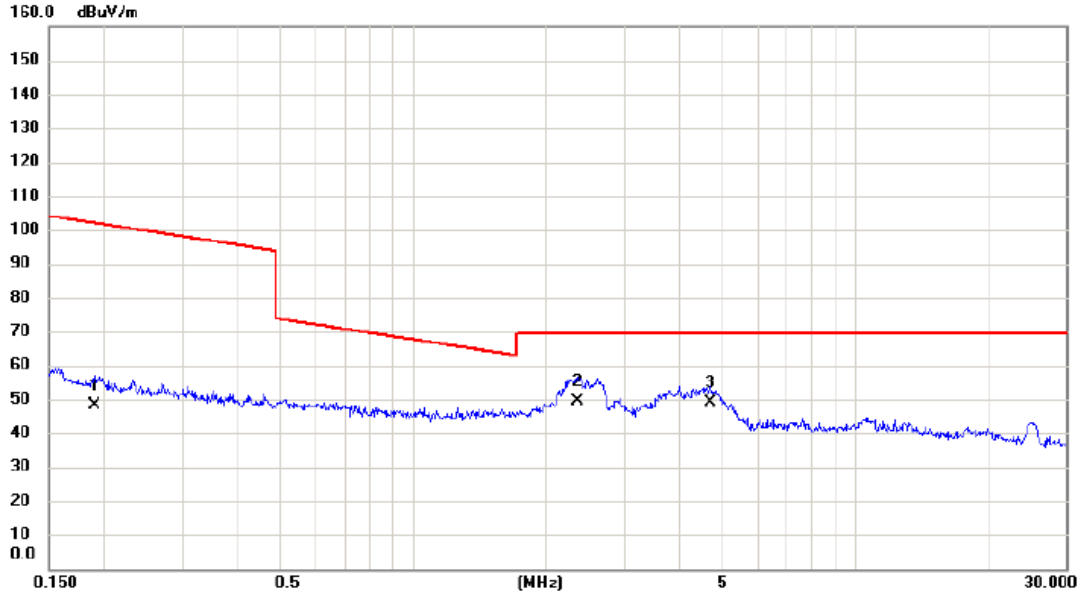
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.040	32.13	21.02	53.15	115.50	-62.35	AVG	
2	*	0.081	28.86	19.26	48.12	109.41	-61.29	AVG	
3		0.122	20.71	18.56	39.27	105.89	-66.62	AVG	

Test Mode:	TX MODE

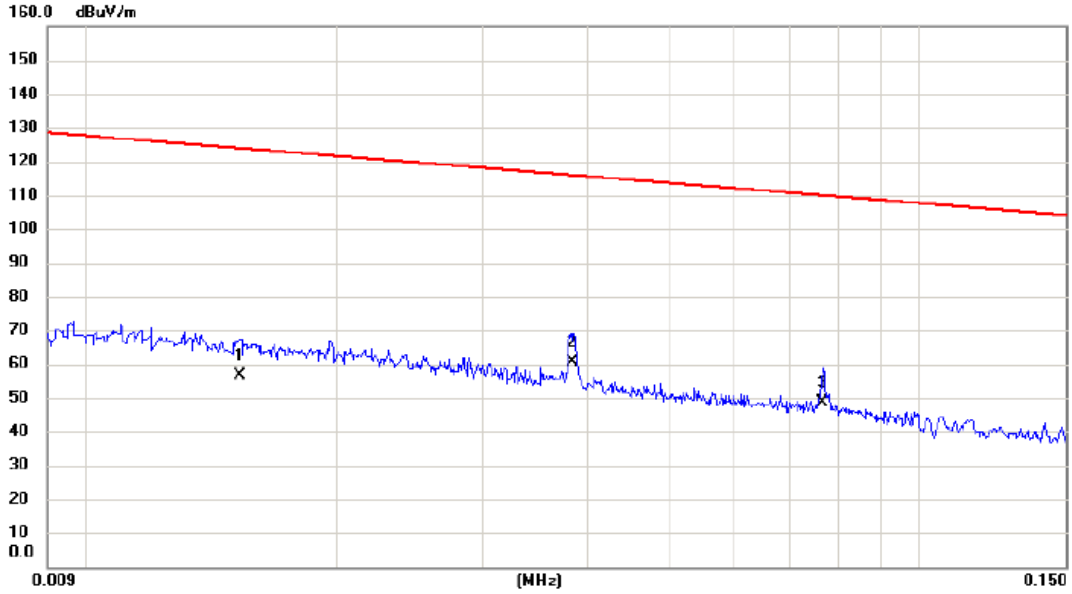
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.190	29.49	18.70	48.19	102.01	-53.82	AVG	
2	*	2.346	32.00	17.46	49.46	69.54	-20.08	QP	
3		4.696	31.60	17.31	48.91	69.54	-20.63	QP	

Test Mode:	TX MODE

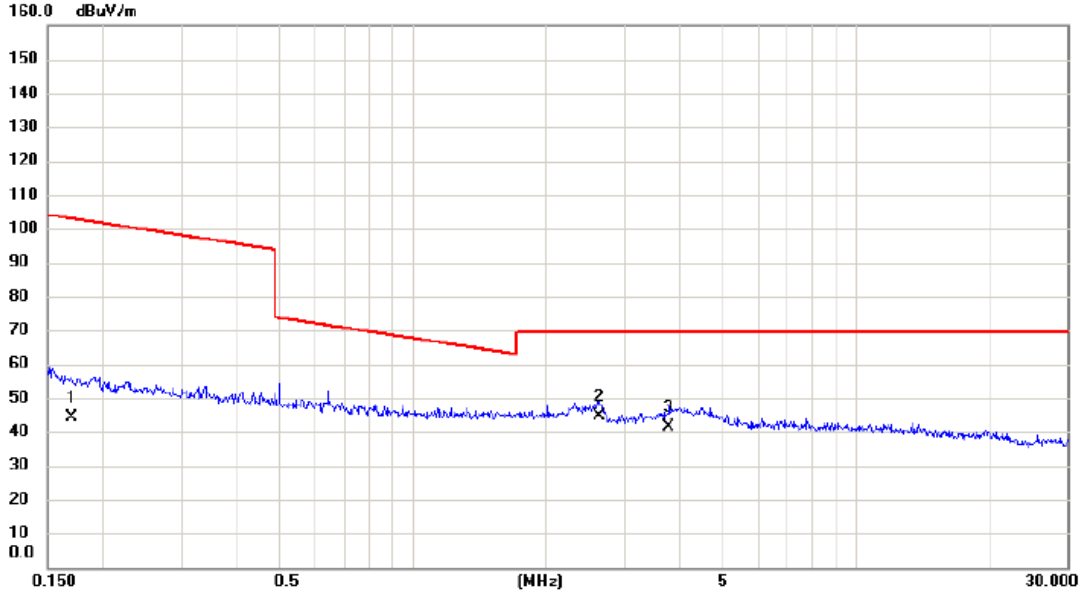
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.015	32.62	23.80	56.42	123.91	-67.49	AVG	
2	*	0.038	39.40	21.25	60.65	115.92	-55.27	AVG	
3		0.077	29.30	19.46	48.76	109.92	-61.16	AVG	

Test Mode:	TX MODE

Ant 90°

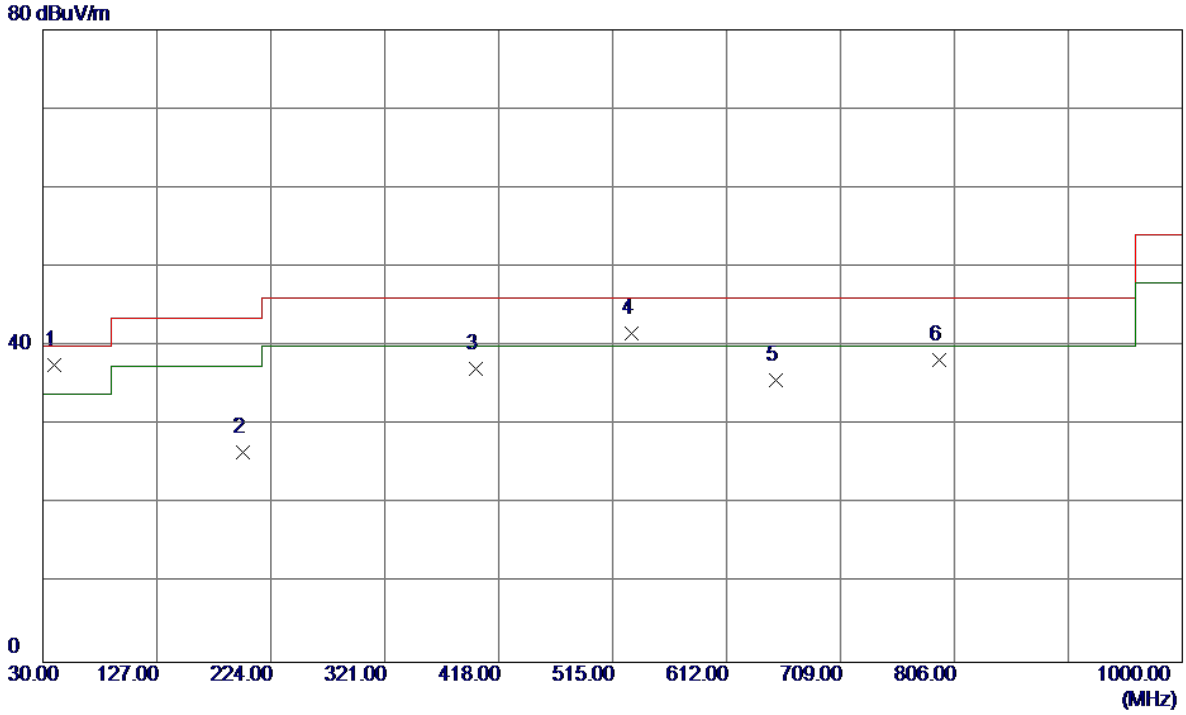


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.170	25.51	18.72	44.23	102.98	-58.75	AVG	
2	*	2.622	27.33	17.11	44.44	69.54	-25.10	QP	
3		3.779	23.20	18.29	41.49	69.54	-28.05	QP	

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

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

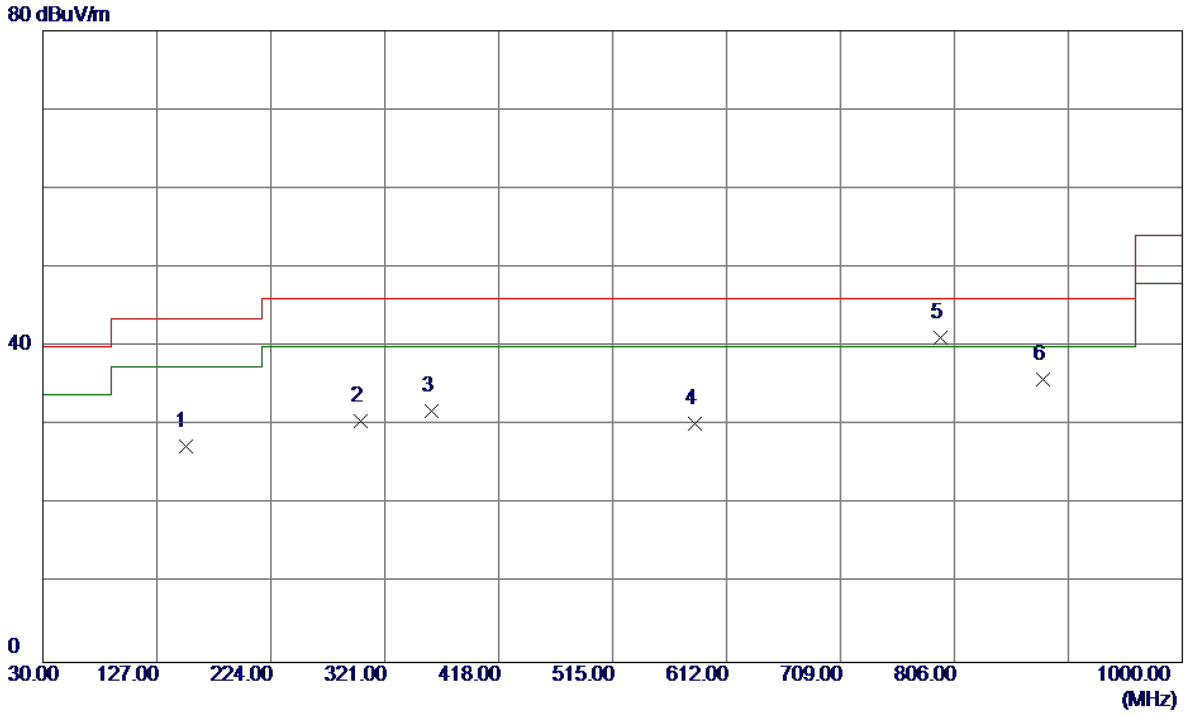
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	39.7000	51.61	-13.95	37.66	40.00	-2.34	QP	
2	200.7200	40.96	-14.45	26.51	43.50	-16.99	Peak	
3	398.6000	45.04	-7.88	37.16	46.00	-8.84	Peak	
4	531.4900	48.05	-6.46	41.59	46.00	-4.41	Peak	
5	653.7100	39.68	-4.03	35.65	46.00	-10.35	Peak	
6	793.3900	38.30	-0.03	38.27	46.00	-7.73	Peak	

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

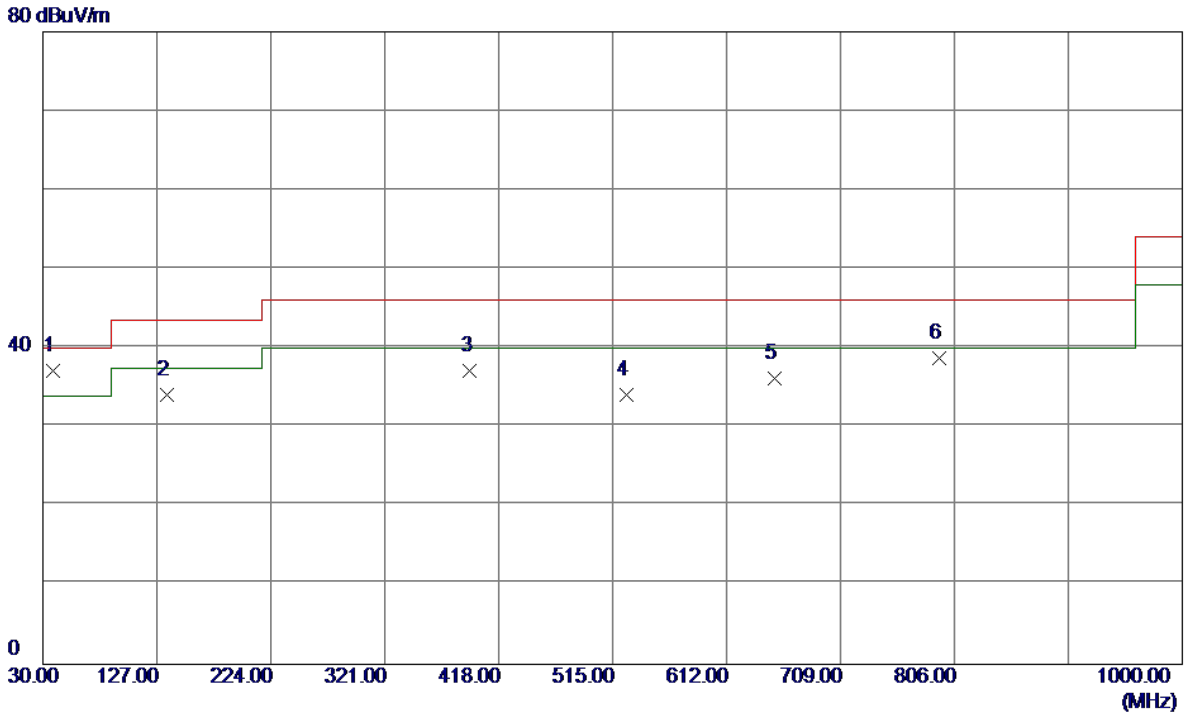
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	151.2500	40.24	-12.85	27.39	43.50	-16.11	Peak	
2	300.6300	40.77	-10.17	30.60	46.00	-15.40	Peak	
3	360.7700	42.38	-10.48	31.90	46.00	-14.10	Peak	
4	584.8400	36.47	-6.30	30.17	46.00	-15.83	Peak	
5 *	794.3600	41.05	0.01	41.06	46.00	-4.94	Peak	
6	881.6600	34.71	1.21	35.92	46.00	-10.08	Peak	

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

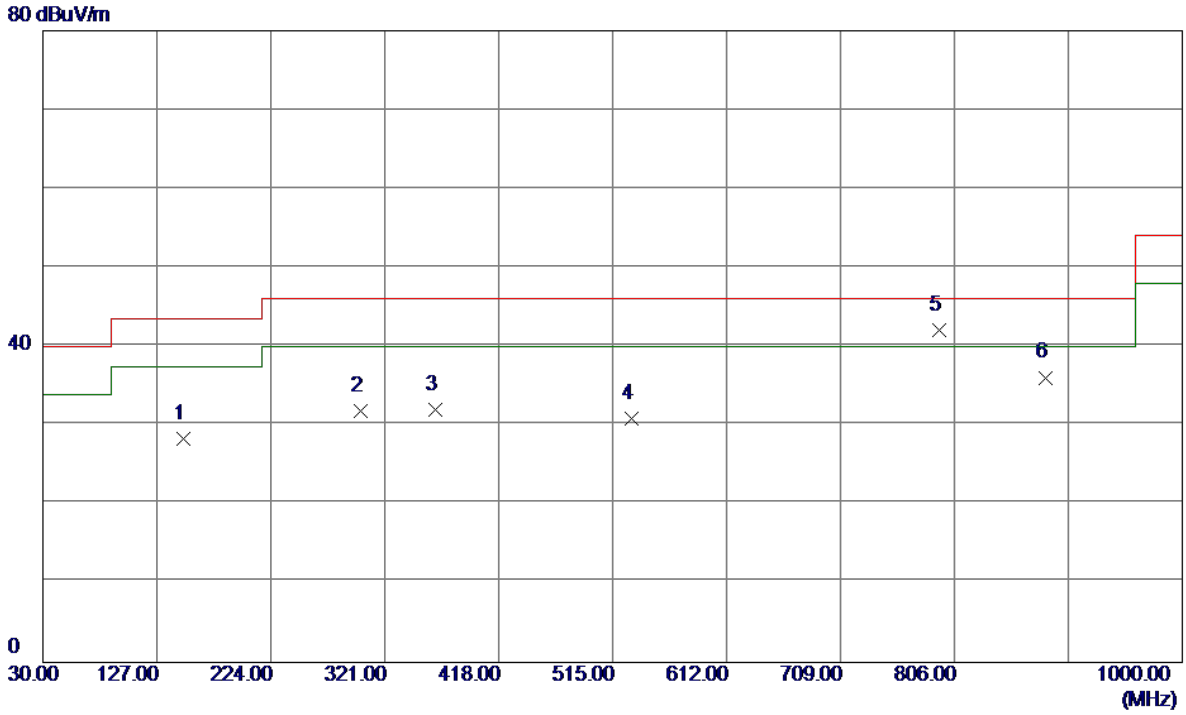
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	38.7300	51.20	-14.06	37.14	40.00	-2.86	QP	
2	135.7300	47.26	-13.16	34.10	43.50	-9.40	Peak	
3	393.7500	45.32	-8.21	37.11	46.00	-8.89	Peak	
4	526.6400	40.98	-6.96	34.02	46.00	-11.98	Peak	
5	652.7400	40.25	-4.07	36.18	46.00	-9.82	Peak	
6	793.3900	38.82	-0.03	38.79	46.00	-7.21	Peak	

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

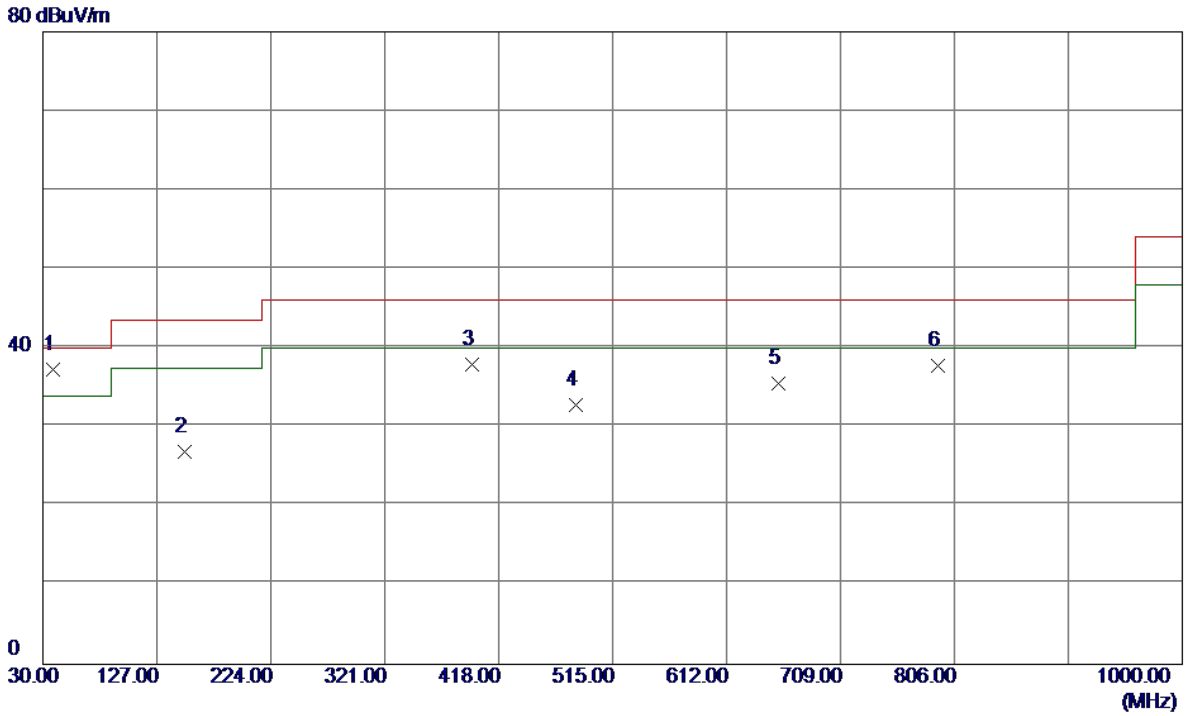
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	149.3100	41.27	-13.01	28.26	43.50	-15.24	Peak	
2	300.6300	41.94	-10.17	31.77	46.00	-14.23	Peak	
3	363.6800	42.22	-10.28	31.94	46.00	-14.06	Peak	
4	531.4900	37.35	-6.46	30.89	46.00	-15.11	Peak	
5 *	793.3900	42.11	-0.03	42.08	46.00	-3.92	Peak	
6	883.6000	34.72	1.36	36.08	46.00	-9.92	Peak	

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

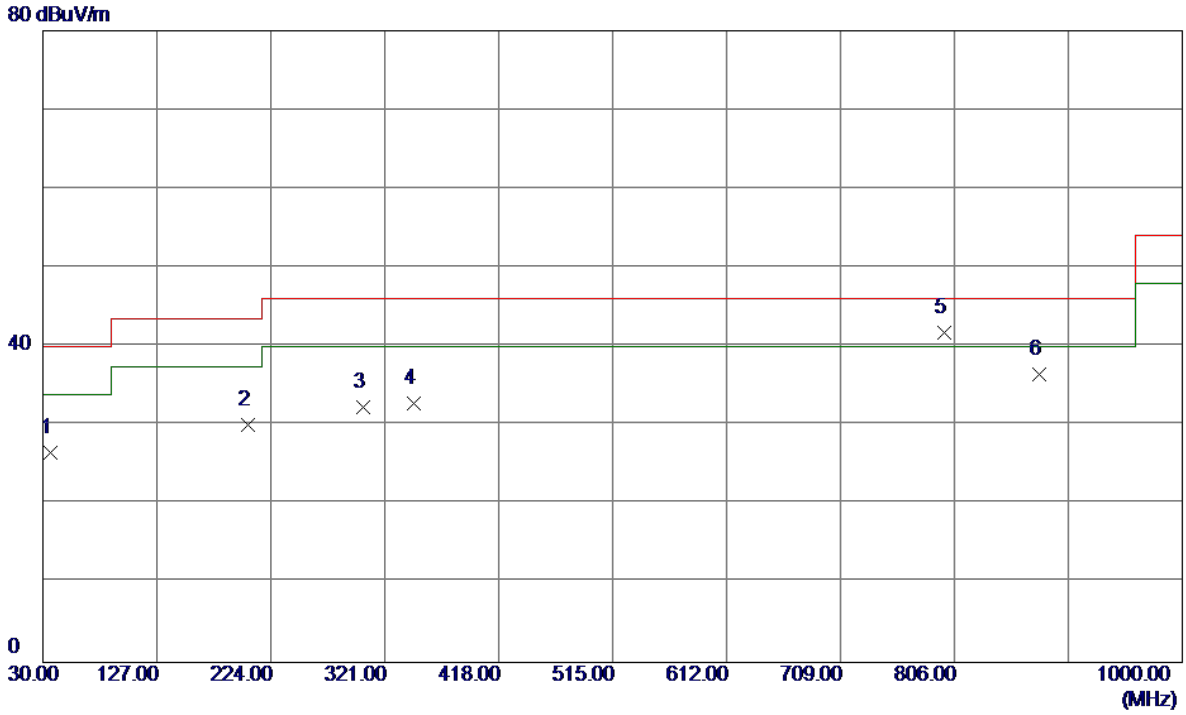
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	38.7300	51.30	-14.06	37.24	40.00	-2.76	QP	
2	150.2800	39.77	-12.93	26.84	43.50	-16.66	Peak	
3	395.6900	46.02	-8.08	37.94	46.00	-8.06	Peak	
4	483.9600	41.97	-9.17	32.80	46.00	-13.20	Peak	
5	656.6200	39.42	-3.90	35.52	46.00	-10.48	Peak	
6	792.4200	37.85	-0.08	37.77	46.00	-8.23	Peak	

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

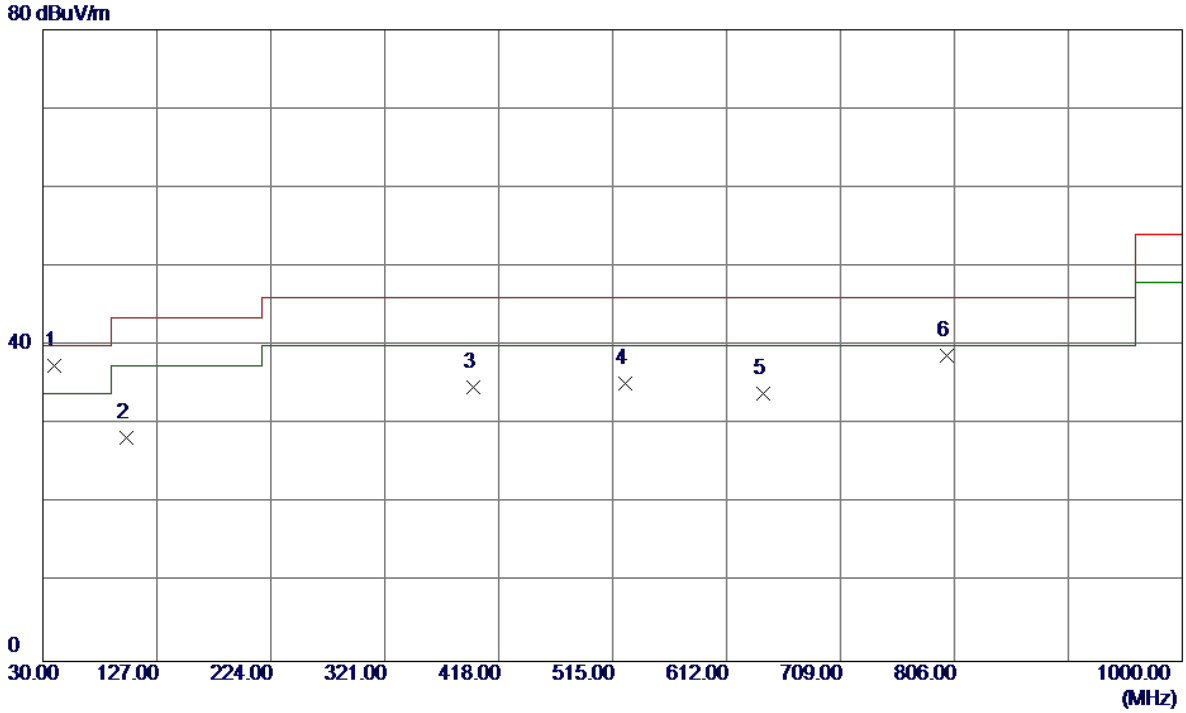
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	36.7900	40.53	-13.91	26.62	40.00	-13.38	Peak	
2	204.6000	44.60	-14.53	30.07	43.50	-13.43	Peak	
3	302.5700	42.60	-10.21	32.39	46.00	-13.61	Peak	
4	346.2200	43.99	-11.14	32.85	46.00	-13.15	Peak	
5 *	797.2700	41.62	0.14	41.76	46.00	-4.24	Peak	
6	877.7800	35.50	0.91	36.41	46.00	-9.59	Peak	

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

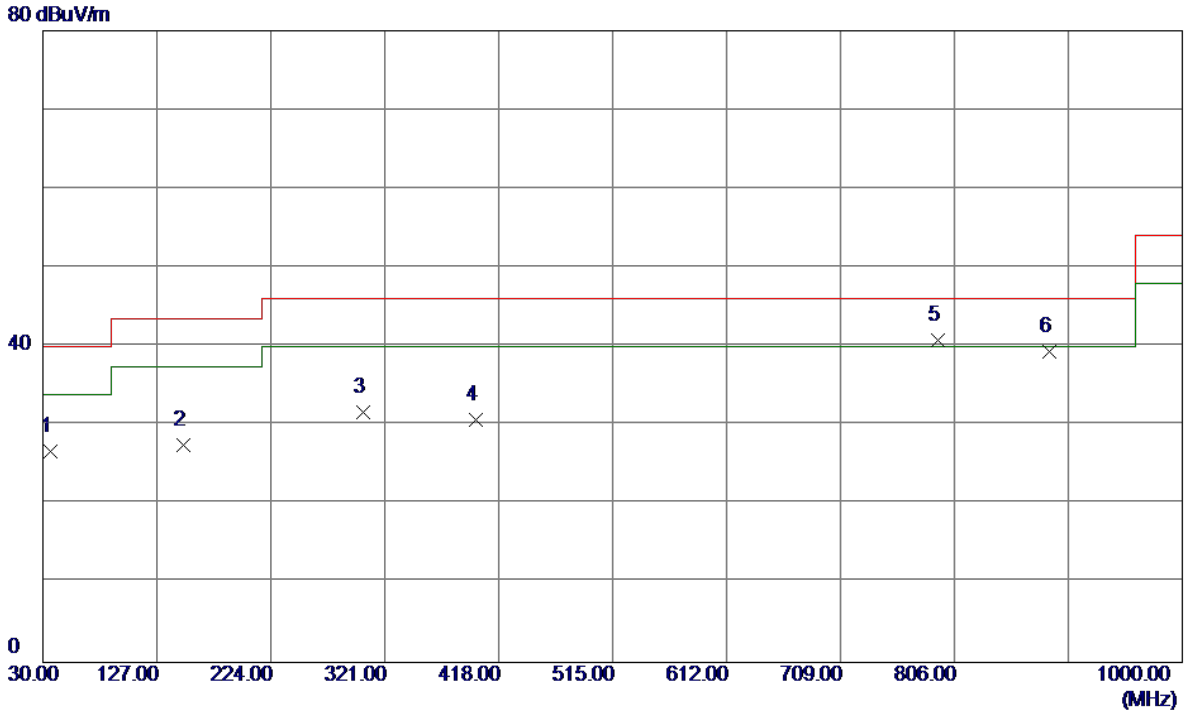
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	39.7000	51.33	-13.95	37.38	40.00	-2.62	QP	
2	100.8100	43.67	-15.40	28.27	43.50	-15.23	Peak	
3	396.6600	42.66	-8.01	34.65	46.00	-11.35	Peak	
4	525.6700	42.19	-7.06	35.13	46.00	-10.87	Peak	
5	643.0400	38.54	-4.58	33.96	46.00	-12.04	Peak	
6	799.2100	38.46	0.22	38.68	46.00	-7.32	Peak	

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

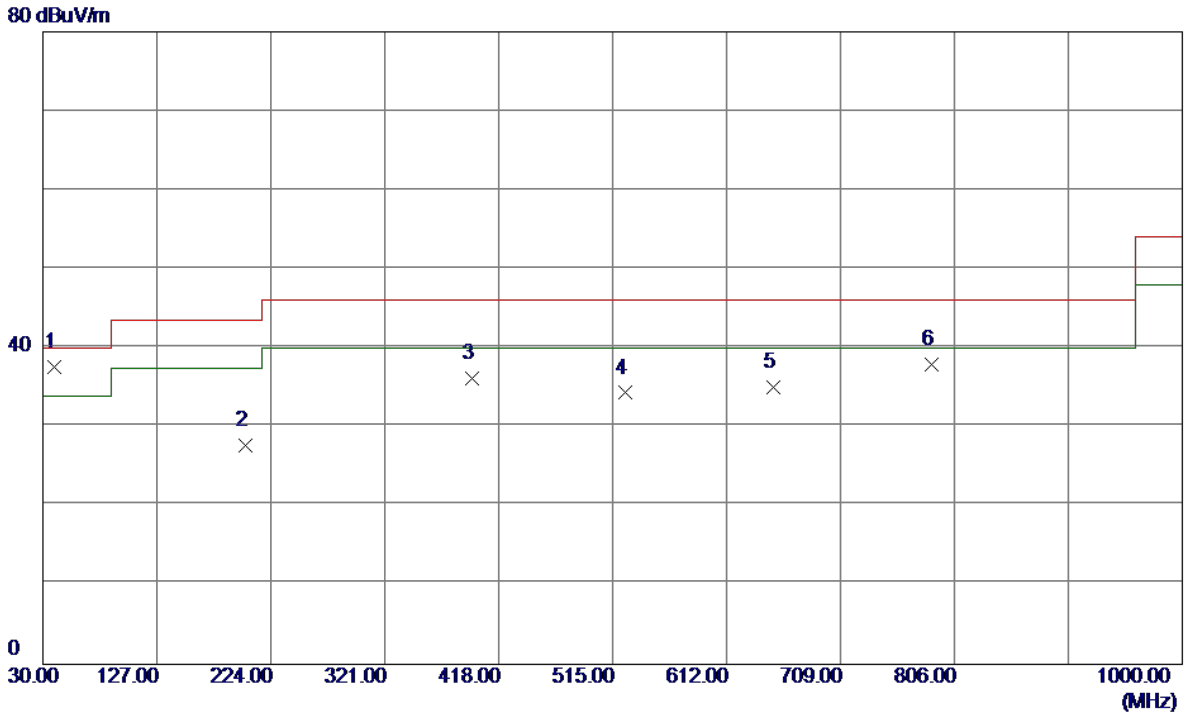
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	36.7900	40.69	-13.91	26.78	40.00	-13.22	Peak	
2	149.3100	40.60	-13.01	27.59	43.50	-15.91	Peak	
3	302.5700	41.94	-10.21	31.73	46.00	-14.27	Peak	
4	398.6000	38.65	-7.88	30.77	46.00	-15.23	Peak	
5 *	792.4200	40.88	-0.08	40.80	46.00	-5.20	Peak	
6	886.5100	37.73	1.59	39.32	46.00	-6.68	Peak	

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

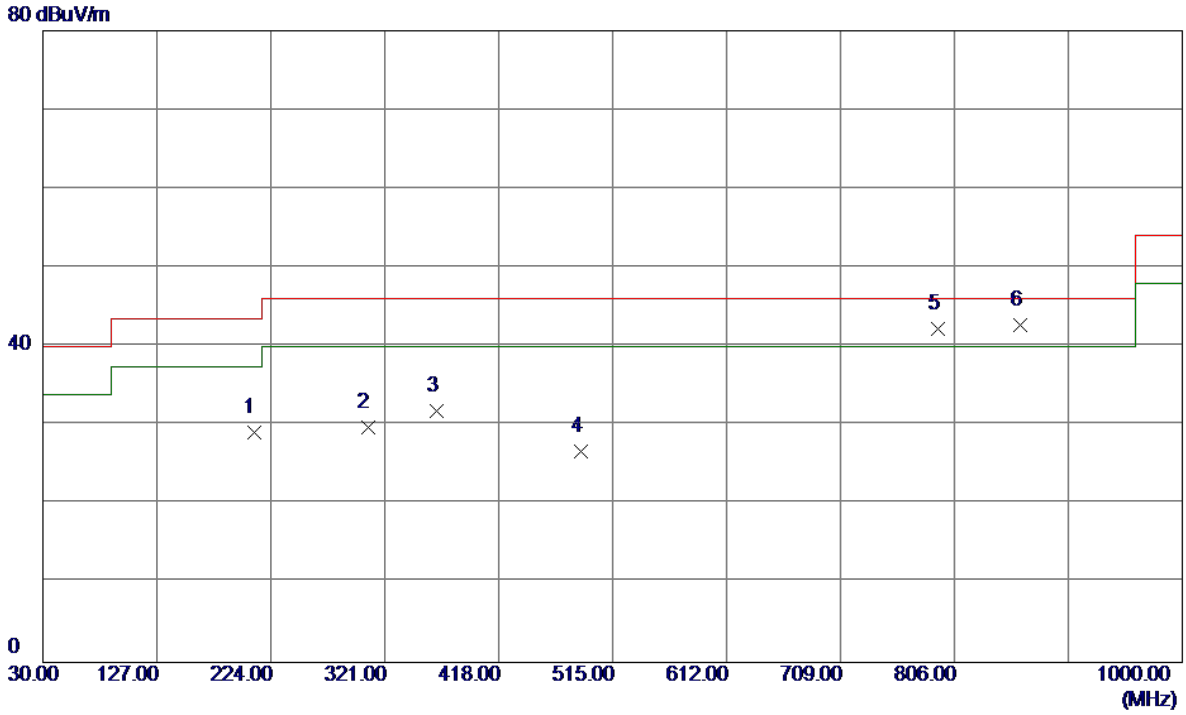
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	39.7000	51.56	-13.95	37.61	40.00	-2.39	QP	
2	202.6600	42.12	-14.49	27.63	43.50	-15.87	Peak	
3	395.6900	44.26	-8.08	36.18	46.00	-9.82	Peak	
4	525.6700	41.38	-7.06	34.32	46.00	-11.68	Peak	
5	651.7700	39.13	-4.11	35.02	46.00	-10.98	Peak	
6	786.6000	38.30	-0.34	37.96	46.00	-8.04	Peak	

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

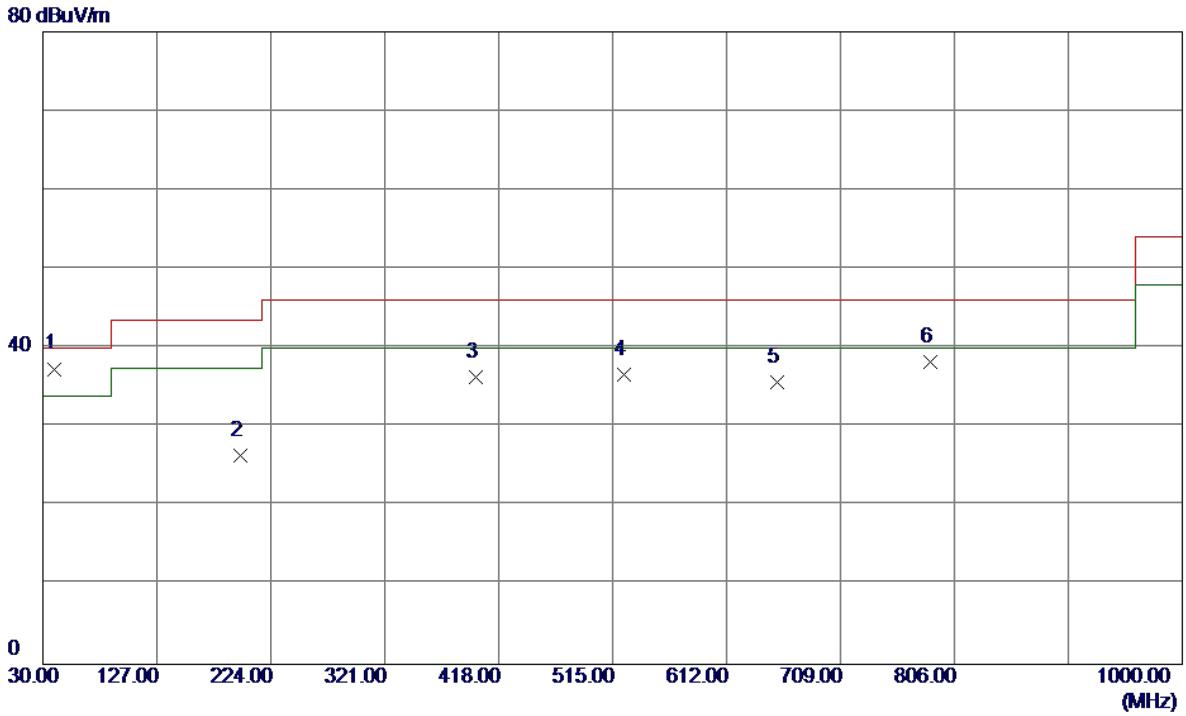
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	209.4500	43.71	-14.63	29.08	43.50	-14.42	Peak	
2	306.4500	40.09	-10.30	29.79	46.00	-16.21	Peak	
3	365.6200	41.97	-10.15	31.82	46.00	-14.18	Peak	
4	487.8400	35.97	-9.30	26.67	46.00	-19.33	Peak	
5	792.4200	42.28	-0.08	42.20	46.00	-3.80	Peak	
6 *	862.2600	43.06	-0.30	42.76	46.00	-3.24	Peak	

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

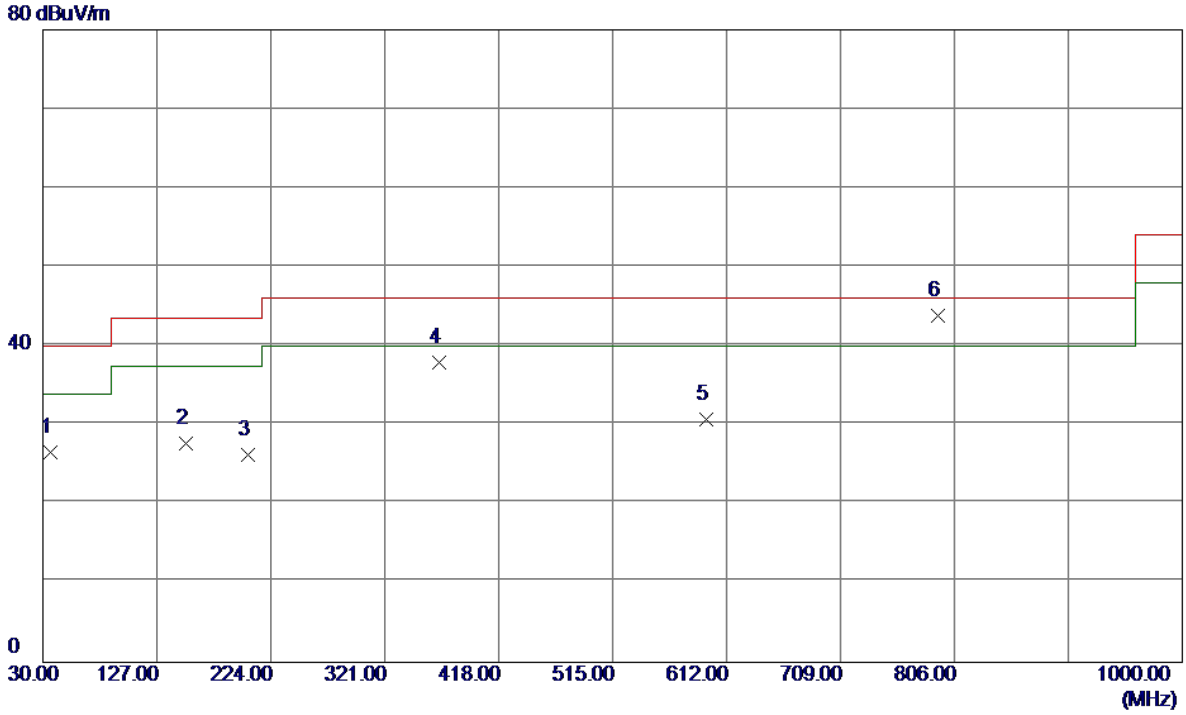
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	39.7000	51.31	-13.95	37.36	40.00	-2.64	QP	
2	197.8100	40.76	-14.32	26.44	43.50	-17.06	Peak	
3	398.6000	44.27	-7.88	36.39	46.00	-9.61	Peak	
4	524.7000	43.73	-7.16	36.57	46.00	-9.43	Peak	
5	654.6800	39.73	-3.99	35.74	46.00	-10.26	Peak	
6	785.6300	38.69	-0.38	38.31	46.00	-7.69	Peak	

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

Horizontal

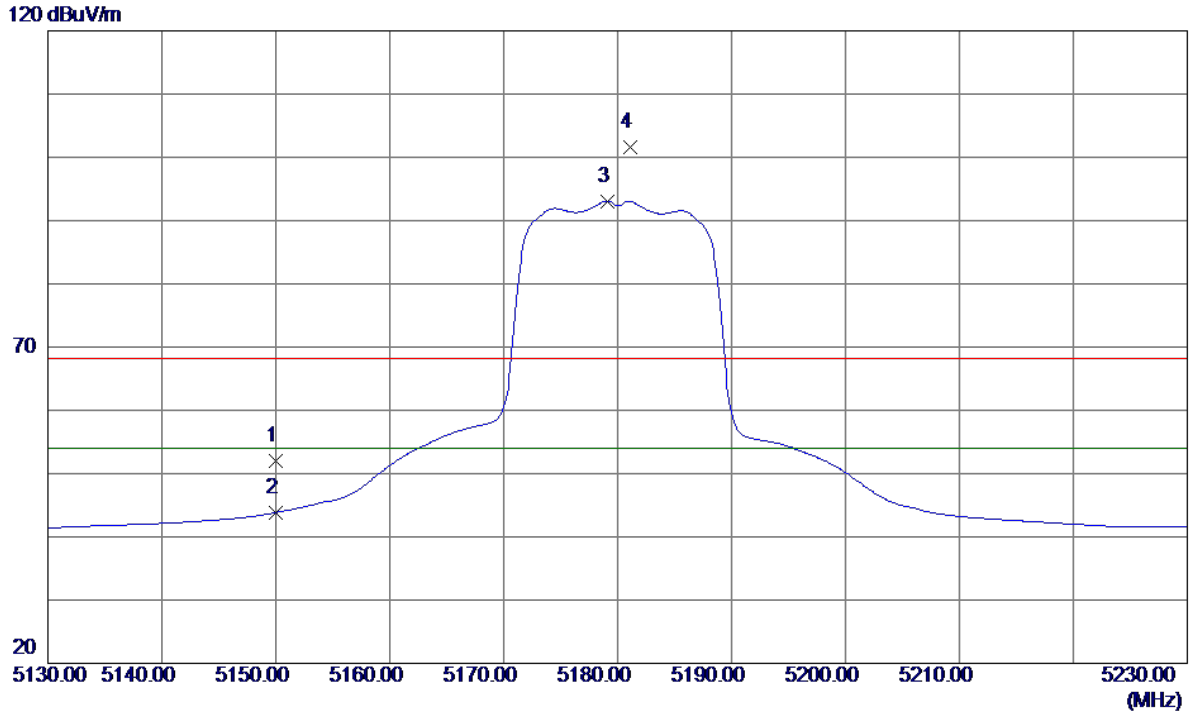


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	36.7900	40.46	-13.91	26.55	40.00	-13.45	Peak	
2	152.2200	40.43	-12.77	27.66	43.50	-15.84	Peak	
3	204.6000	40.76	-14.53	26.23	43.50	-17.27	Peak	
4	367.5600	47.98	-10.01	37.97	46.00	-8.03	Peak	
5	594.5400	37.53	-6.78	30.75	46.00	-15.25	Peak	
6 *	792.4200	43.89	-0.08	43.81	46.00	-2.19	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

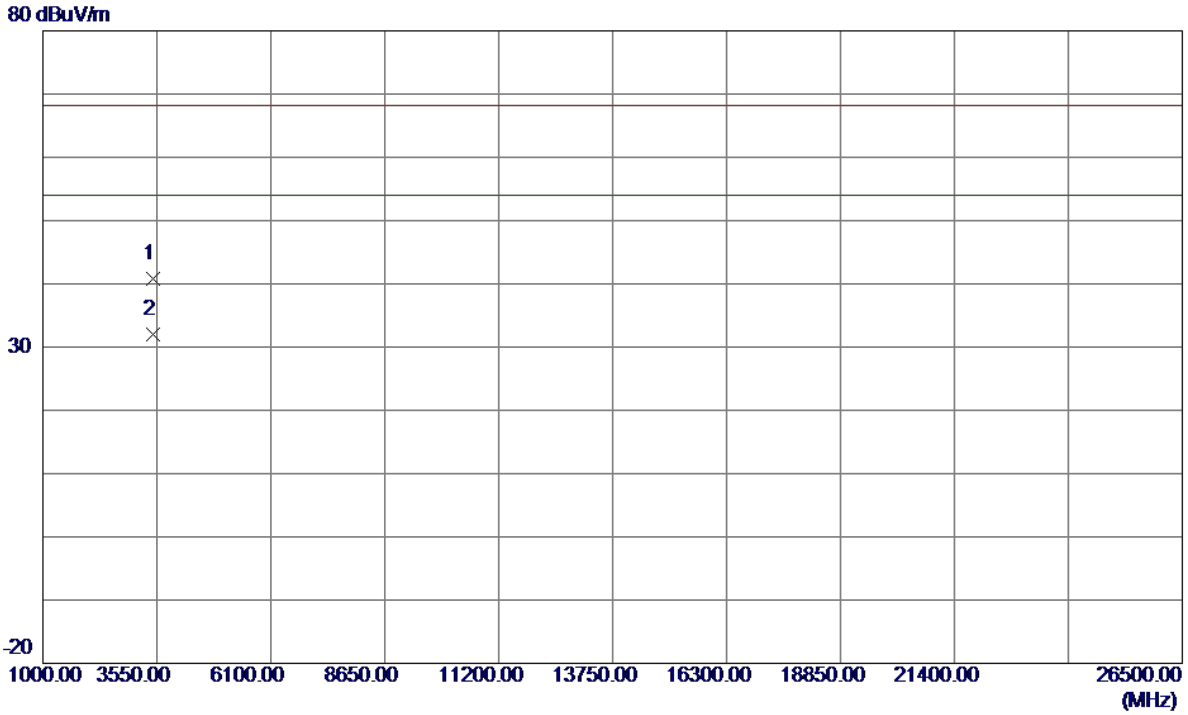
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	11.40	40.62	52.02	68.30	-16.28	Peak	
2	5150.0000	3.22	40.62	43.84	54.00	-10.16	AVG	
3 *	5179.1000	52.37	40.72	93.09	54.00	39.09	AVG	No Limit
4	5181.1000	60.93	40.73	101.66	68.30	33.36	Peak	No Limit

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

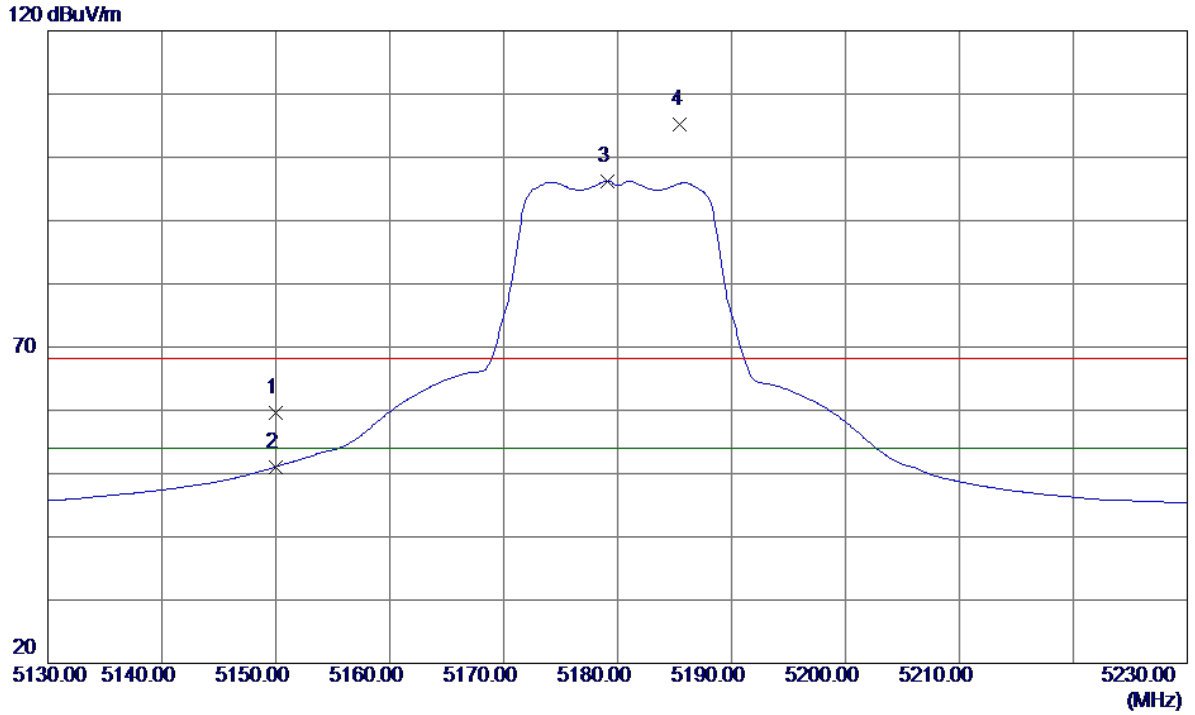
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3453.1250	40.28	0.61	40.89	68.30	-27.41	Peak	
2 *	3453.8540	31.35	0.61	31.96	54.00	-22.04	AVG	

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

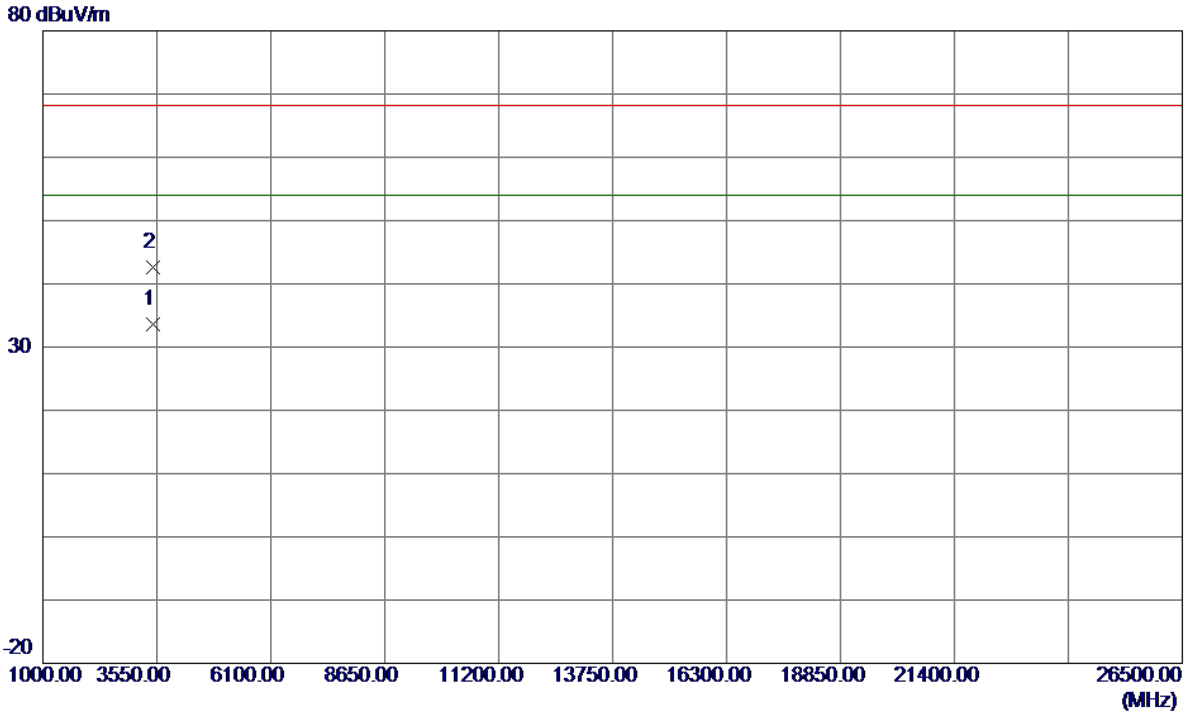
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	18.94	40.62	59.56	68.30	-8.74	Peak	
2	5150.0000	10.46	40.62	51.08	54.00	-2.92	AVG	
3 *	5179.1000	55.52	40.72	96.24	54.00	42.24	AVG	No Limit
4	5185.5000	64.52	40.74	105.26	68.30	36.96	Peak	No Limit

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

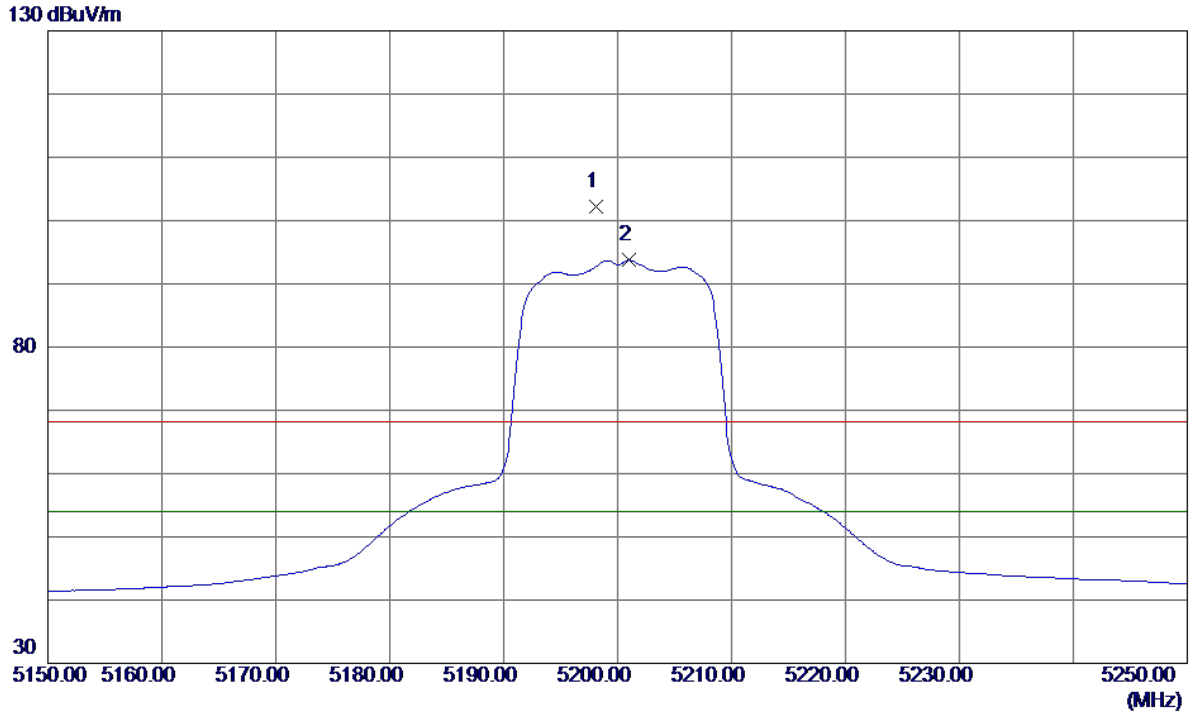
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3453.3600	32.92	0.61	33.53	54.00	-20.47	AVG	
2	3453.4450	42.00	0.61	42.61	68.30	-25.69	Peak	

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

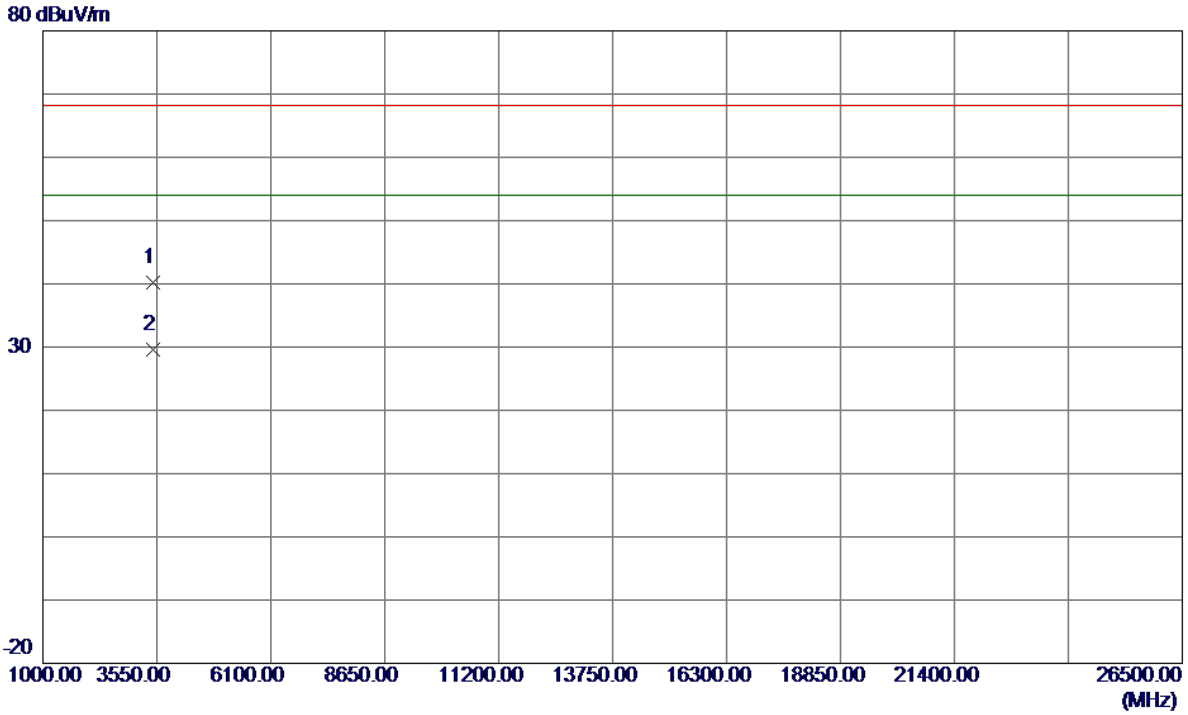
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5198.1000	61.42	40.78	102.20	68.30	33.90	Peak	No Limit
2 *	5201.0000	52.93	40.79	93.72	54.00	39.72	AVG	No Limit

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

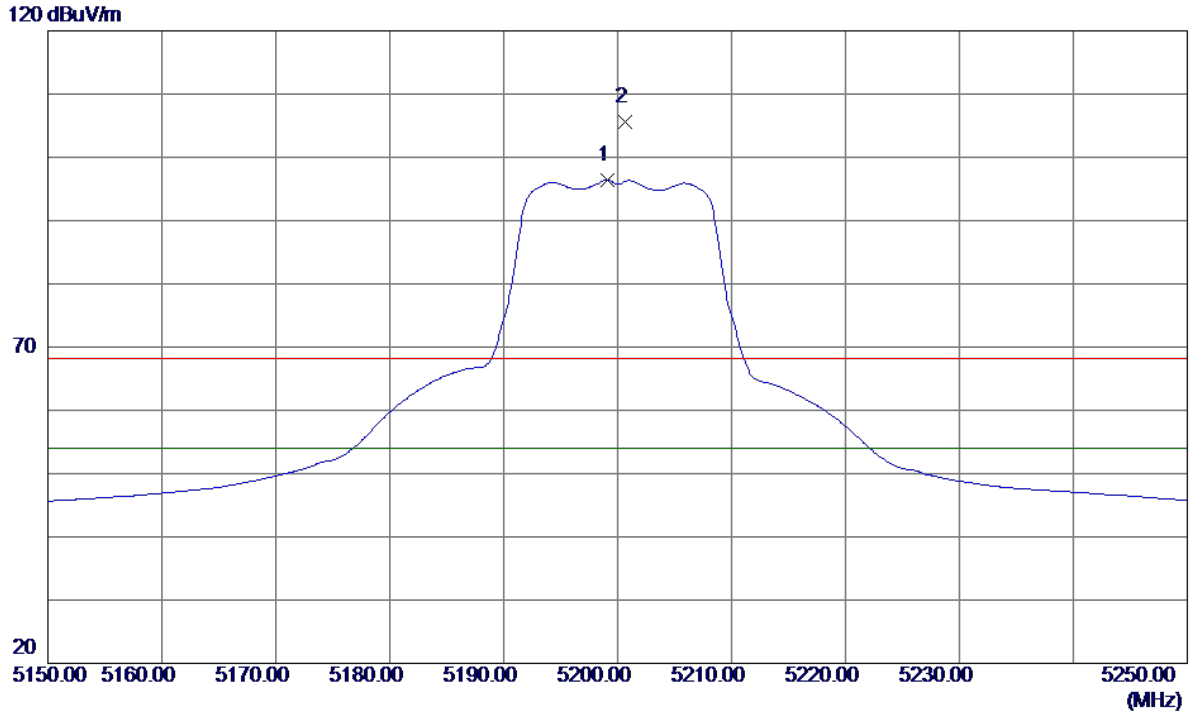
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3466.3390	39.58	0.60	40.18	68.30	-28.12	Peak	
2 *	3466.6470	28.92	0.60	29.52	54.00	-24.48	AVG	

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

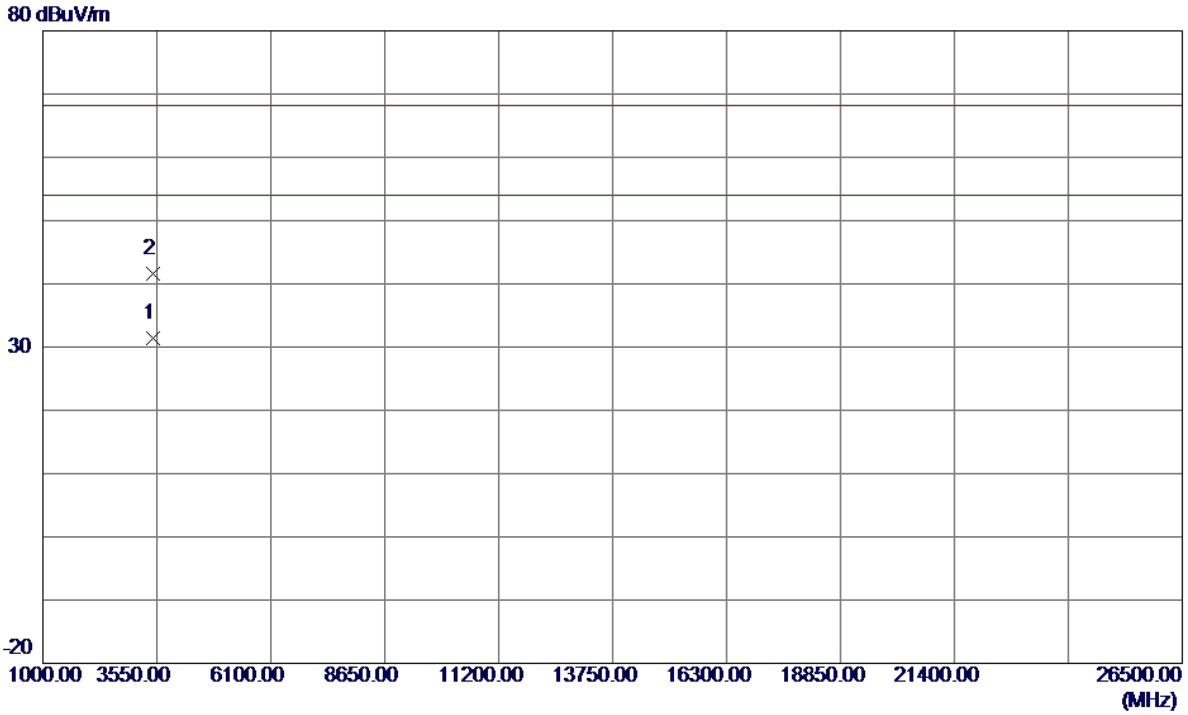
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5199.1000	55.61	40.79	96.40	54.00	42.40	AVG	No Limit
2	5200.7000	64.76	40.79	105.55	68.30	37.25	Peak	No Limit

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

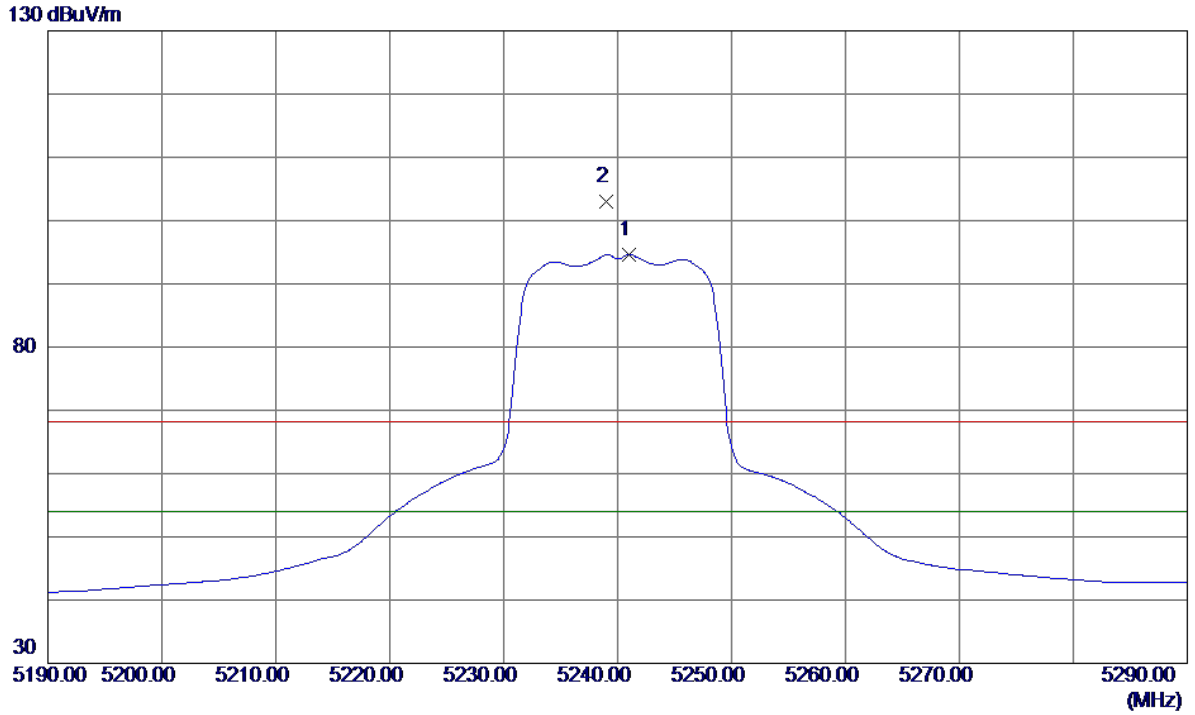
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3466.5700	30.76	0.60	31.36	54.00	-22.64	AVG	
2	3466.7550	41.08	0.60	41.68	68.30	-26.62	Peak	

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

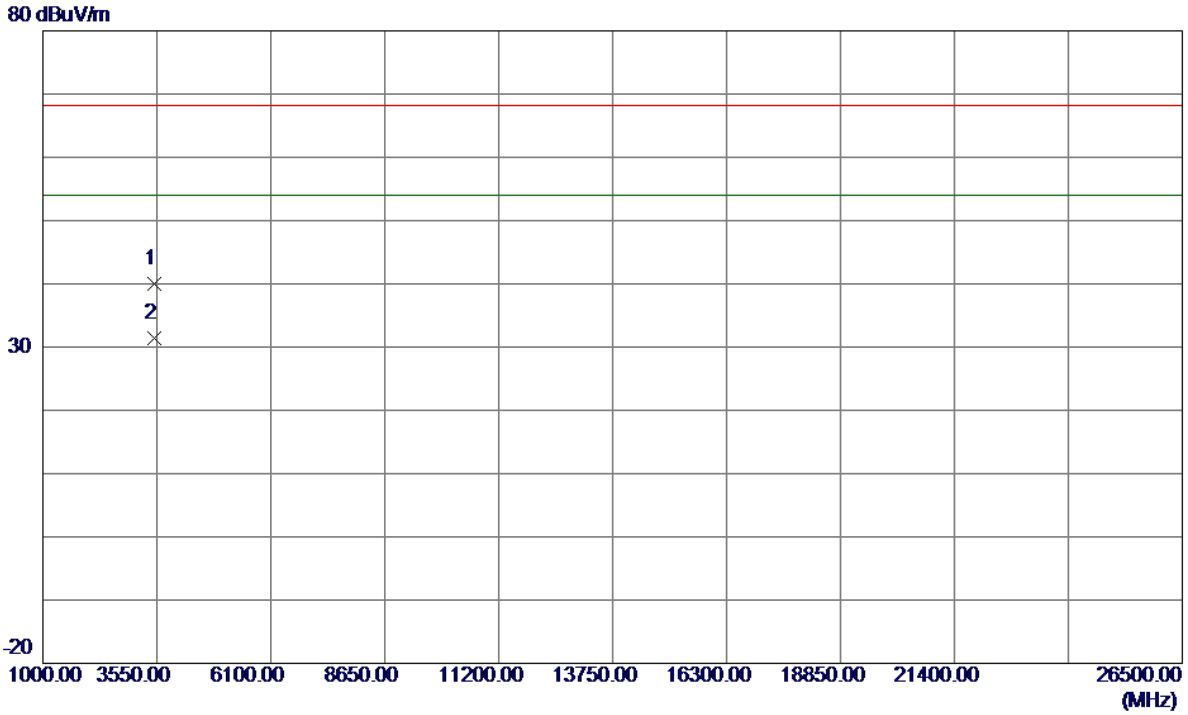
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5241.0000	53.70	40.93	94.63	54.00	40.63	AVG	No Limit
2	5239.0000	61.99	40.92	102.91	68.30	34.61	Peak	No Limit

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

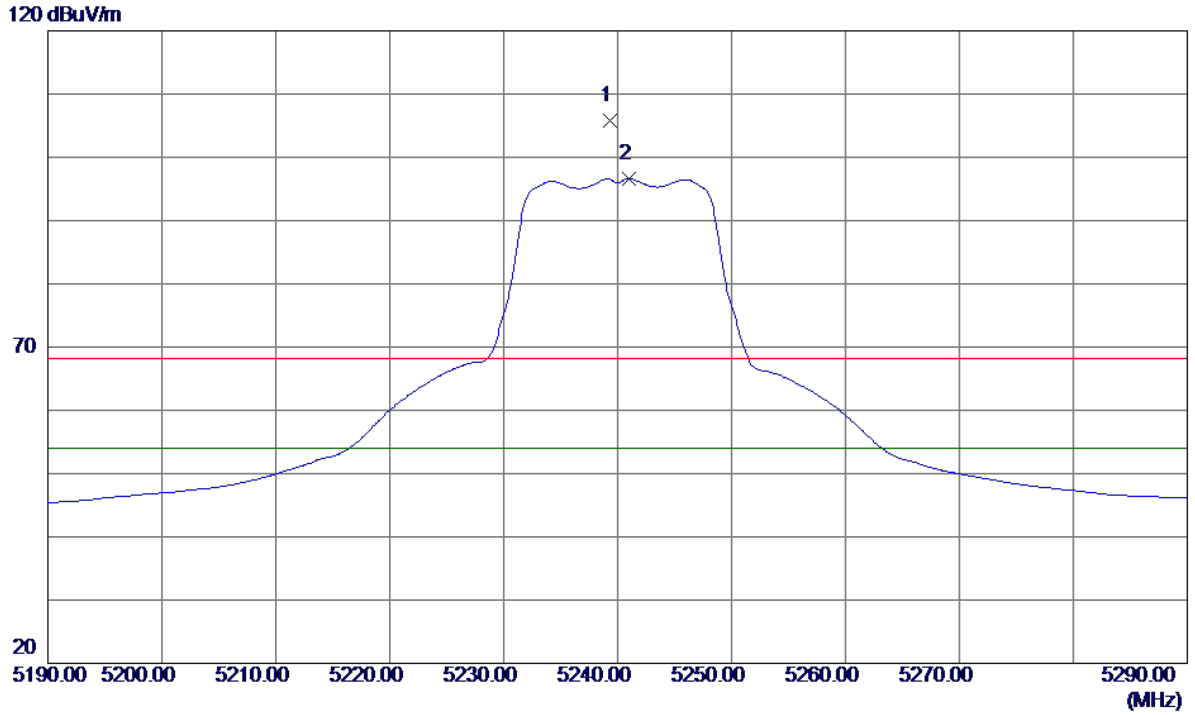
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3493.2610	39.48	0.58	40.06	68.30	-28.24	Peak	
2 *	3493.4920	30.85	0.58	31.43	54.00	-22.57	AVG	

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

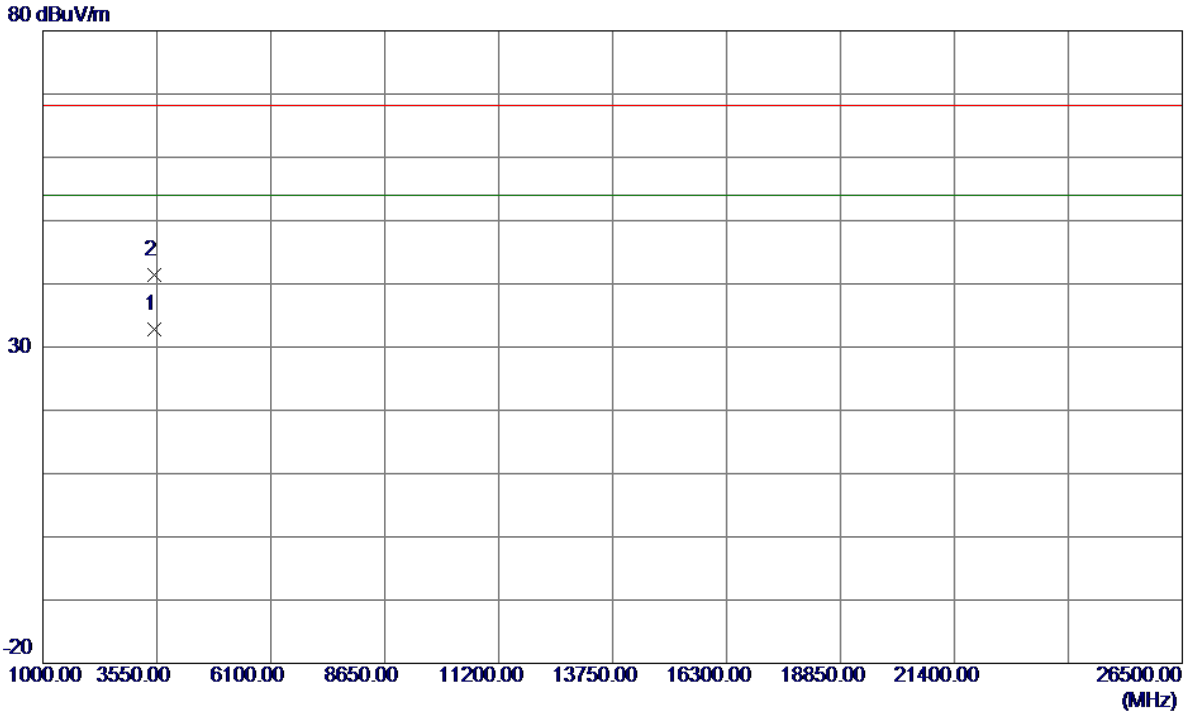
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5239.3000	64.97	40.92	105.89	68.30	37.59	Peak	No Limit
2 *	5241.0000	55.72	40.93	96.65	54.00	42.65	AVG	No Limit

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

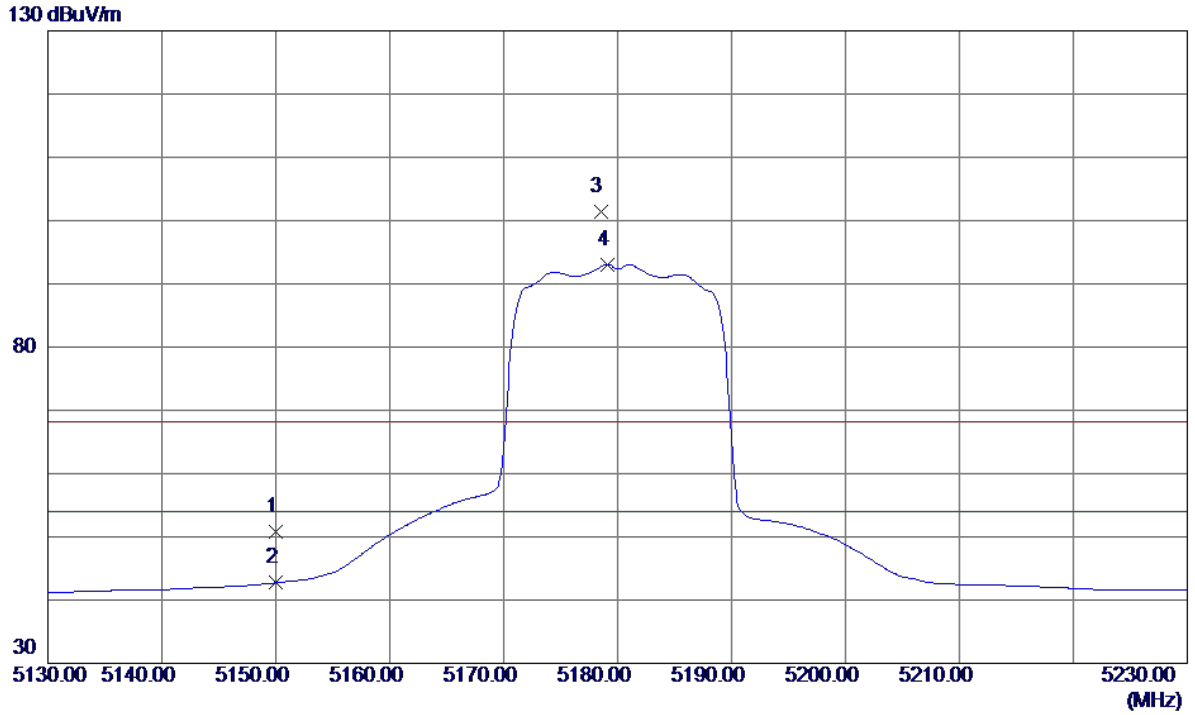
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3493.3750	32.20	0.58	32.78	54.00	-21.22	AVG	
2	3493.4650	40.78	0.58	41.36	68.30	-26.94	Peak	

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

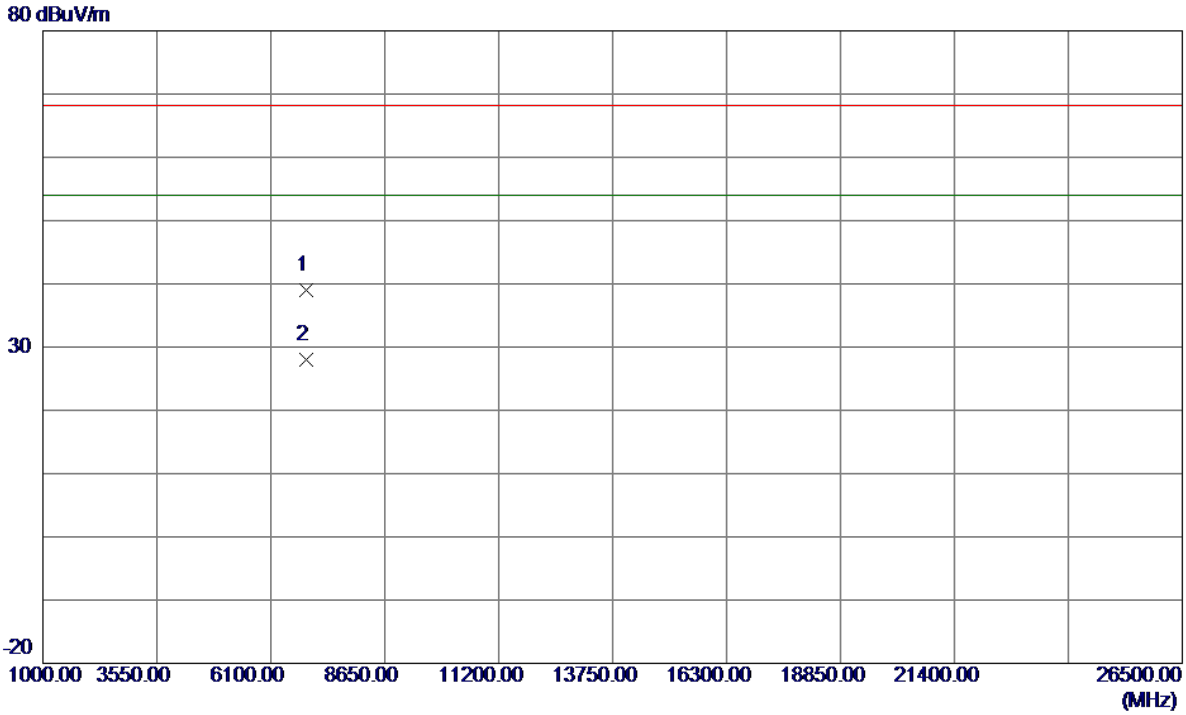
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	10.11	40.62	50.73	68.30	-17.57	Peak	
2	5150.0000	2.12	40.62	42.74	54.00	-11.26	AVG	
3	5178.5000	60.68	40.72	101.40	68.30	33.10	Peak	No Limit
4 *	5179.1000	52.33	40.72	93.05	54.00	39.05	AVG	No Limit

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

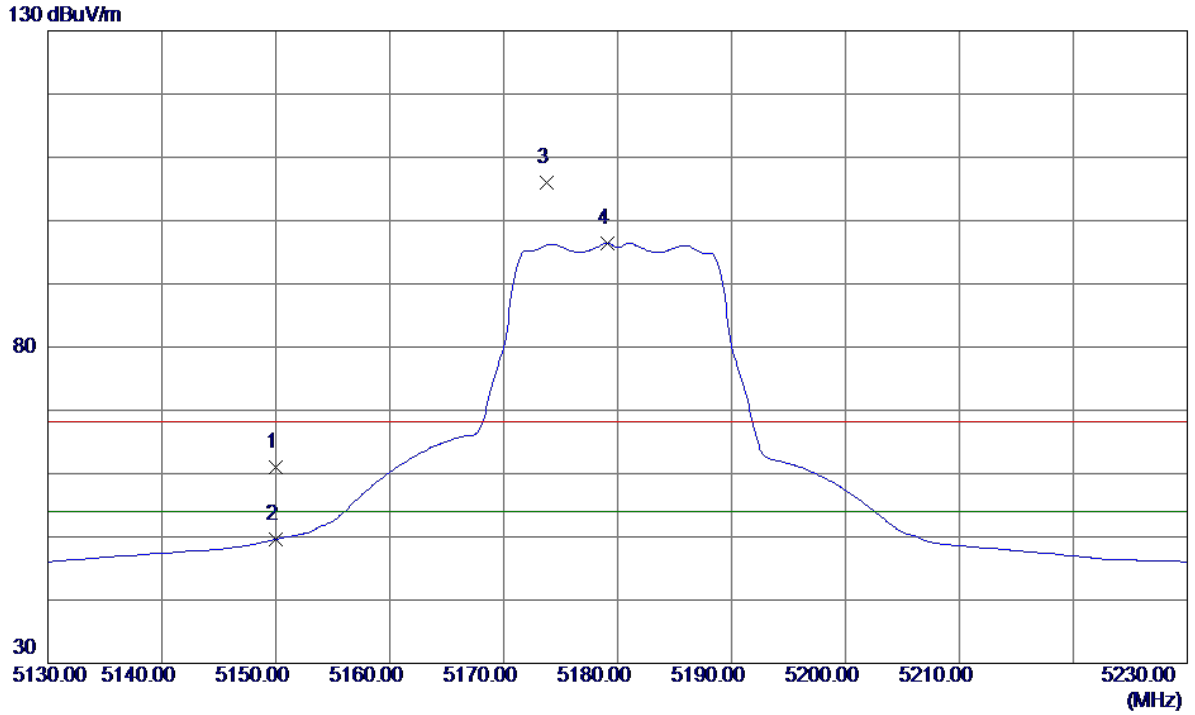
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6906.3850	31.02	8.07	39.09	68.30	-29.21	Peak	
2 *	6906.4570	19.94	8.07	28.01	54.00	-25.99	AVG	

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

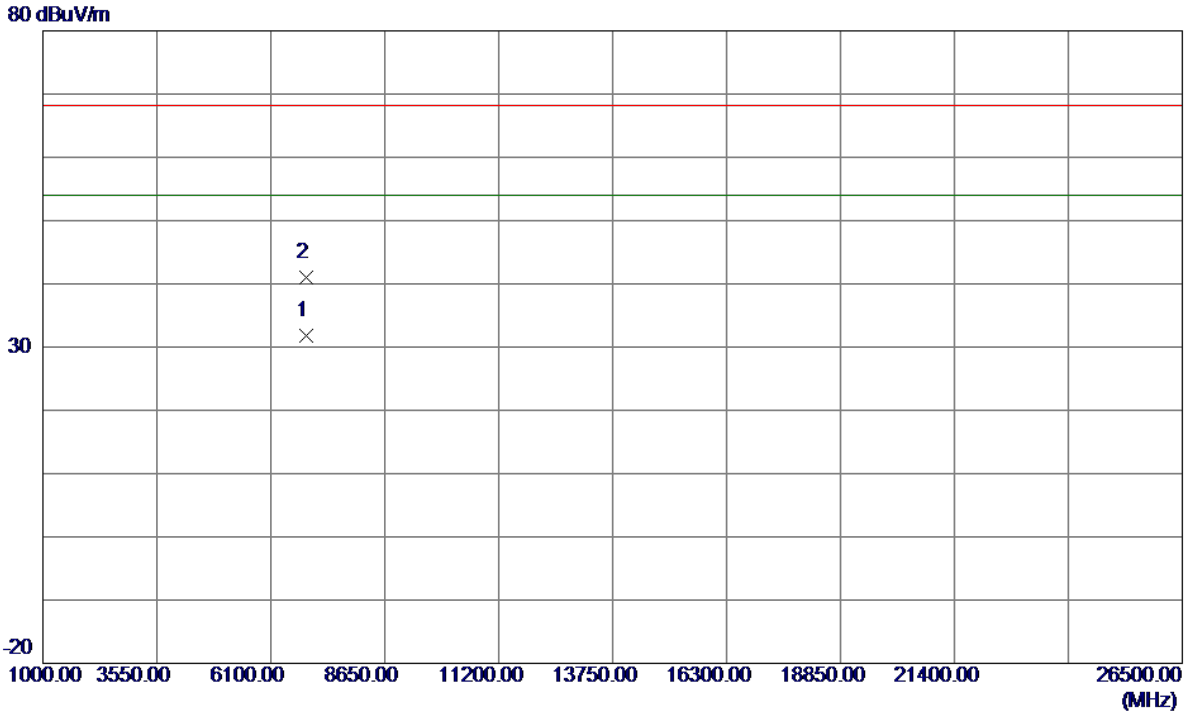
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.33	40.62	60.95	68.30	-7.35	Peak	
2	5150.0000	9.00	40.62	49.62	54.00	-4.38	AVG	
3	5173.8000	65.29	40.70	105.99	68.30	37.69	Peak	No Limit
4 *	5179.1000	55.69	40.72	96.41	54.00	42.41	AVG	No Limit

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

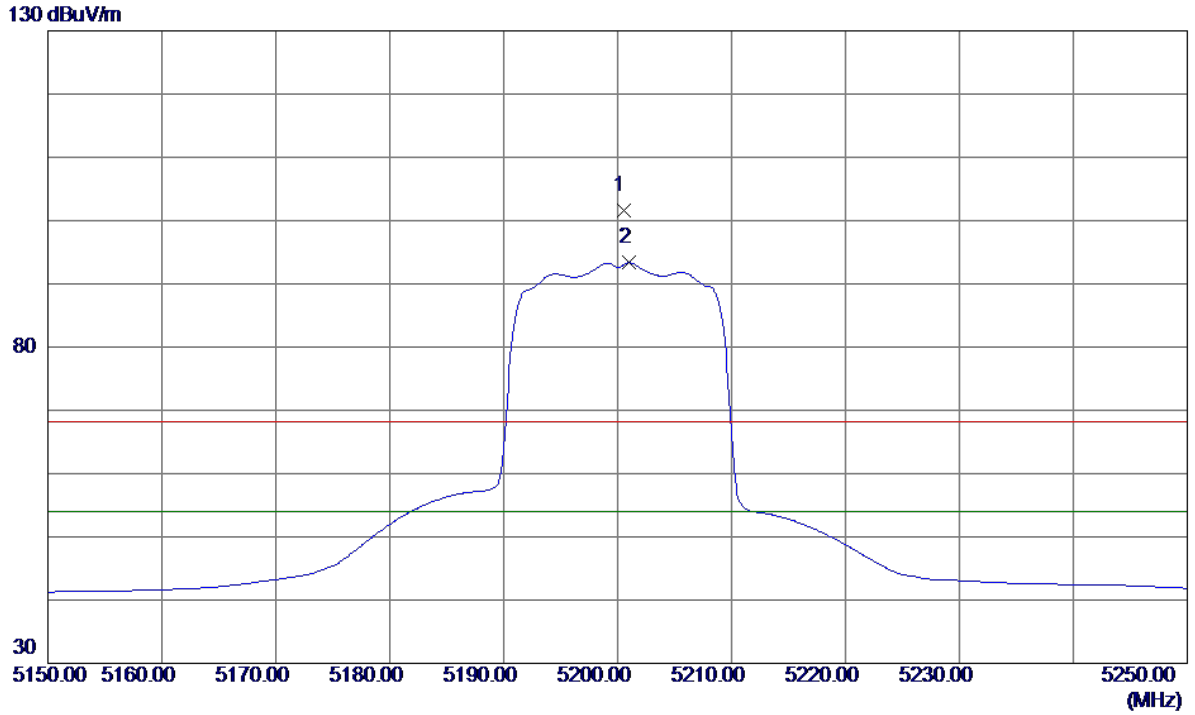
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6906.5950	23.67	8.07	31.74	54.00	-22.26	AVG	
2	6906.8150	32.93	8.07	41.00	68.30	-27.30	Peak	

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

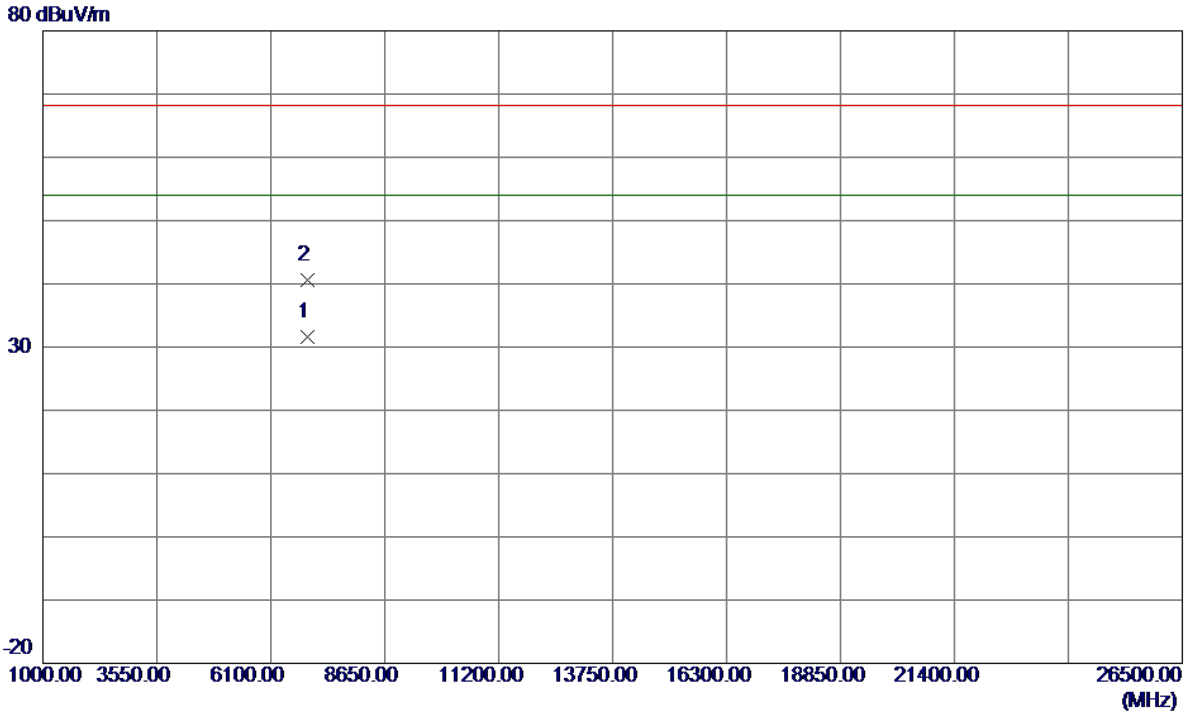
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5200.5000	60.86	40.79	101.65	68.30	33.35	Peak	No Limit
2 *	5201.0000	52.52	40.79	93.31	54.00	39.31	AVG	No Limit

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

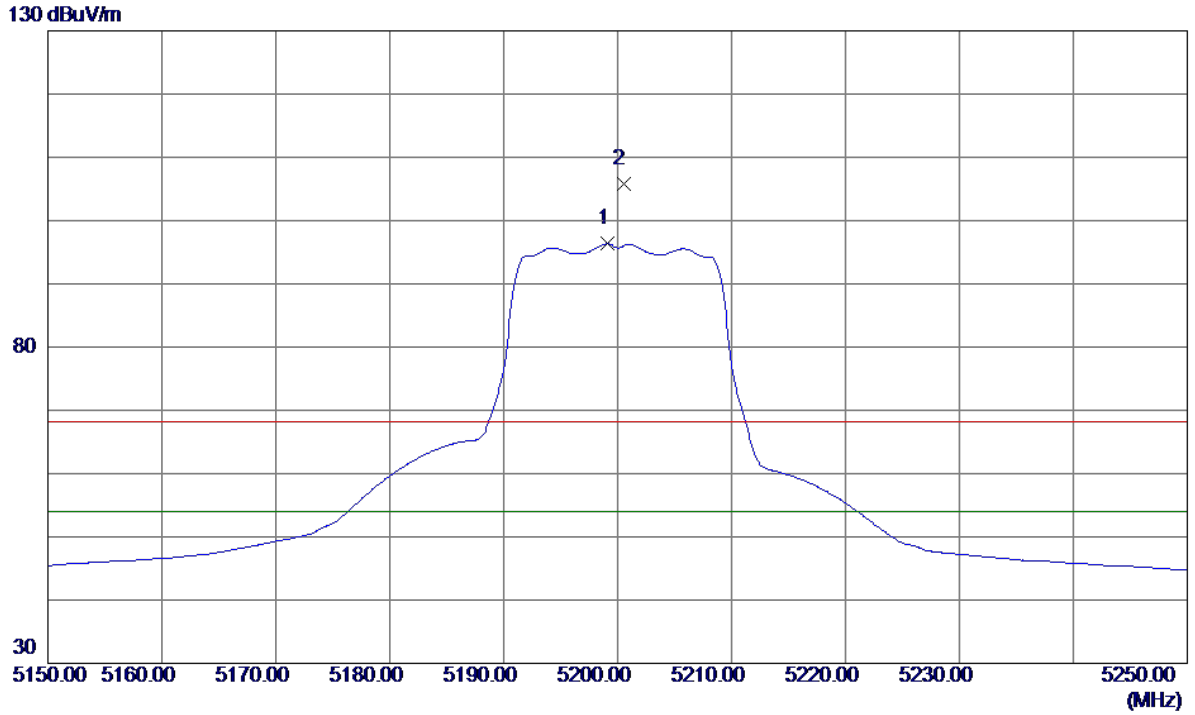
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	6933.0790	23.54	8.07	31.61	54.00	-22.39	AVG	
2	6933.5230	32.57	8.07	40.64	68.30	-27.66	Peak	

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

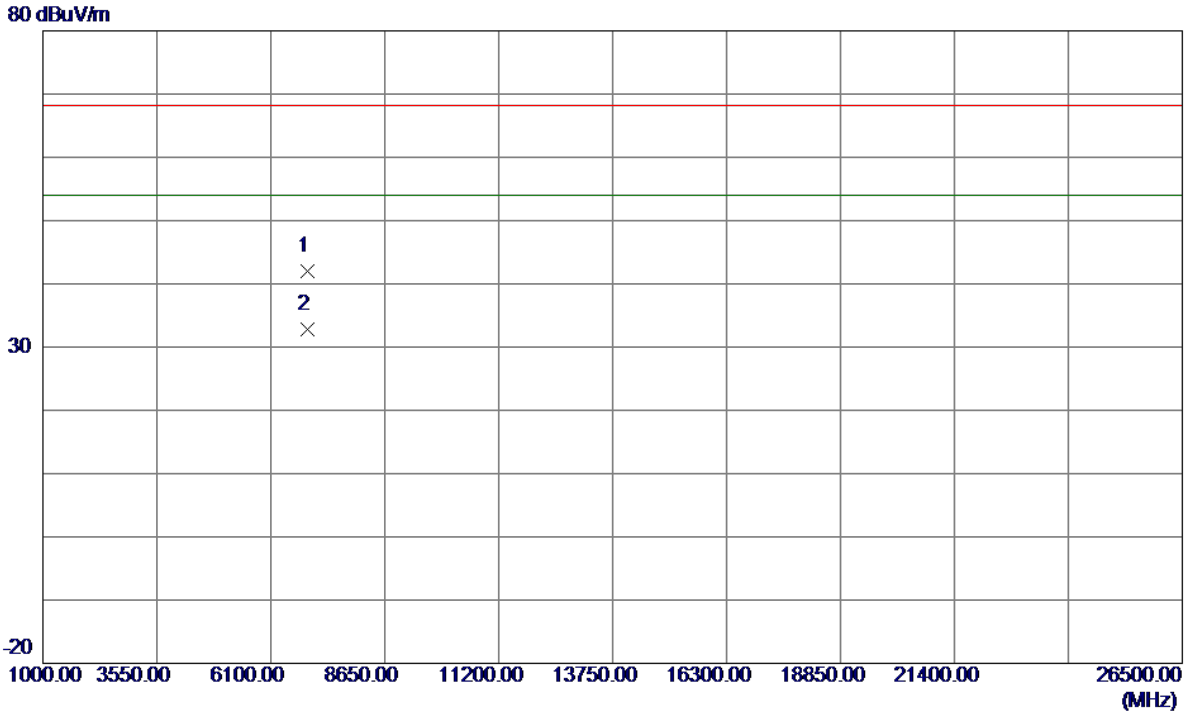
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5199.1000	55.54	40.79	96.33	54.00	42.33	AVG	No Limit
2	5200.5000	65.00	40.79	105.79	68.30	37.49	Peak	No Limit

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

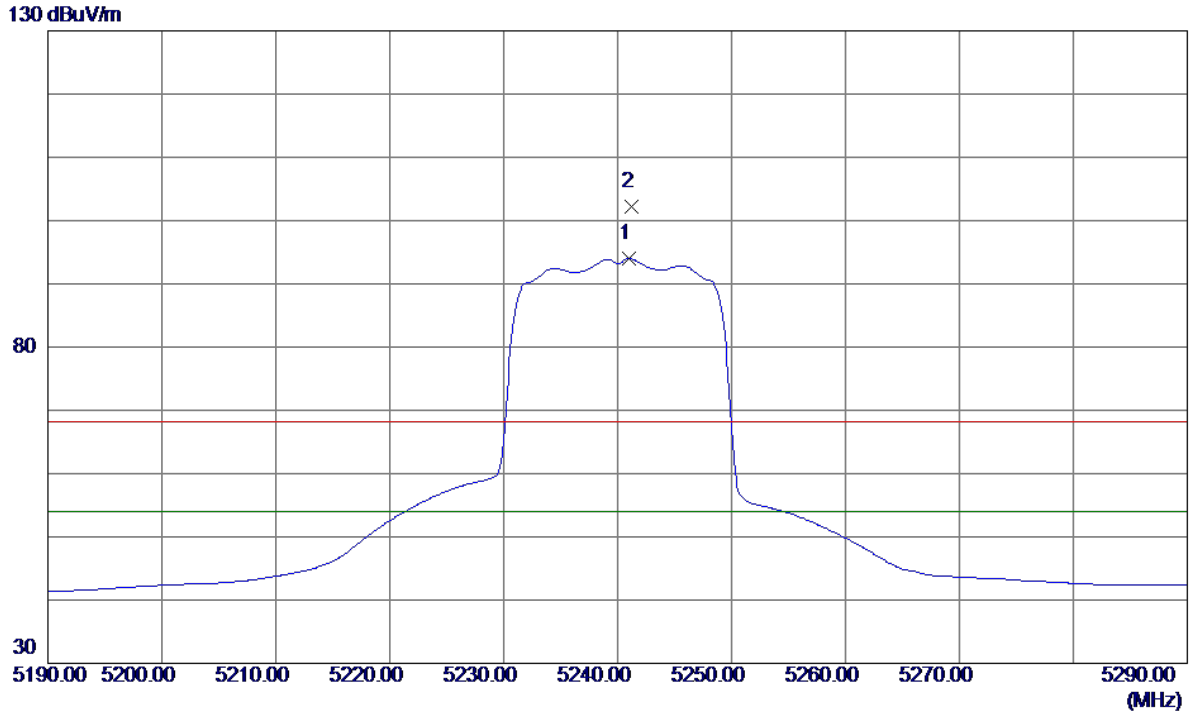
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6933.1700	33.98	8.07	42.05	68.30	-26.25	Peak	
2 *	6933.3050	24.74	8.07	32.81	54.00	-21.19	AVG	

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

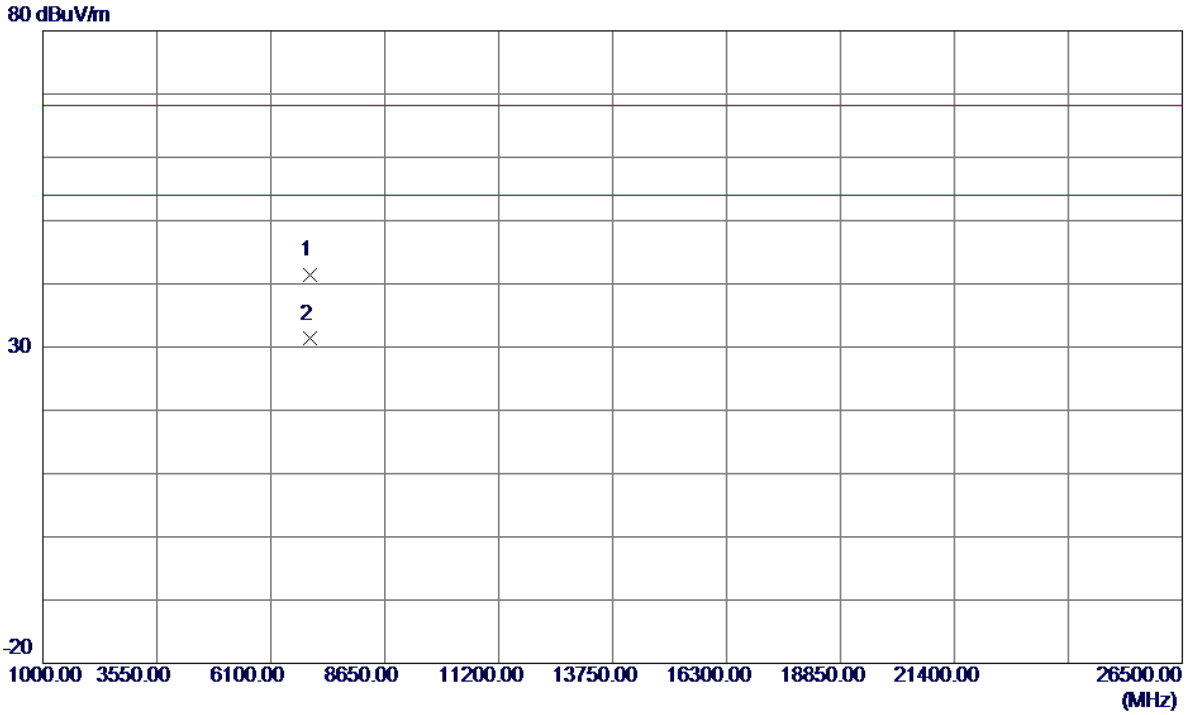
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5241.0000	53.03	40.93	93.96	54.00	39.96	AVG	No Limit
2	5241.2000	61.31	40.93	102.24	68.30	33.94	Peak	No Limit

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

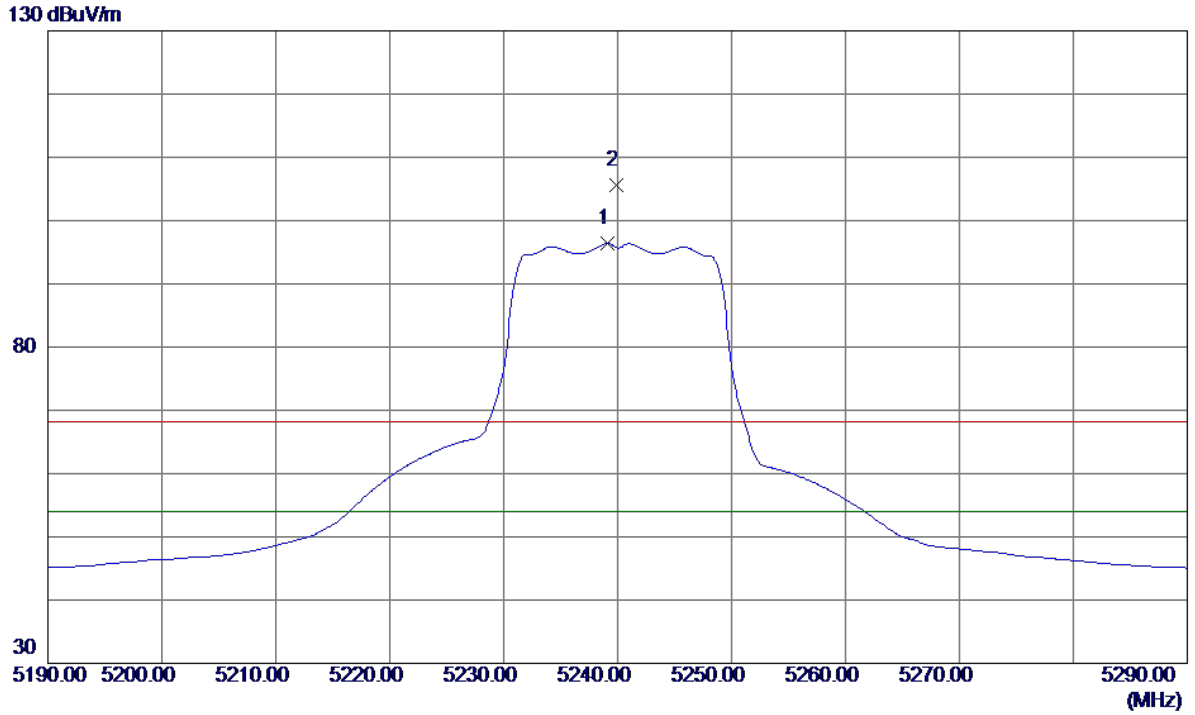
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6986.5220	33.24	8.09	41.33	68.30	-26.97	Peak	
2 *	6986.8270	23.21	8.09	31.30	54.00	-22.70	AVG	

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

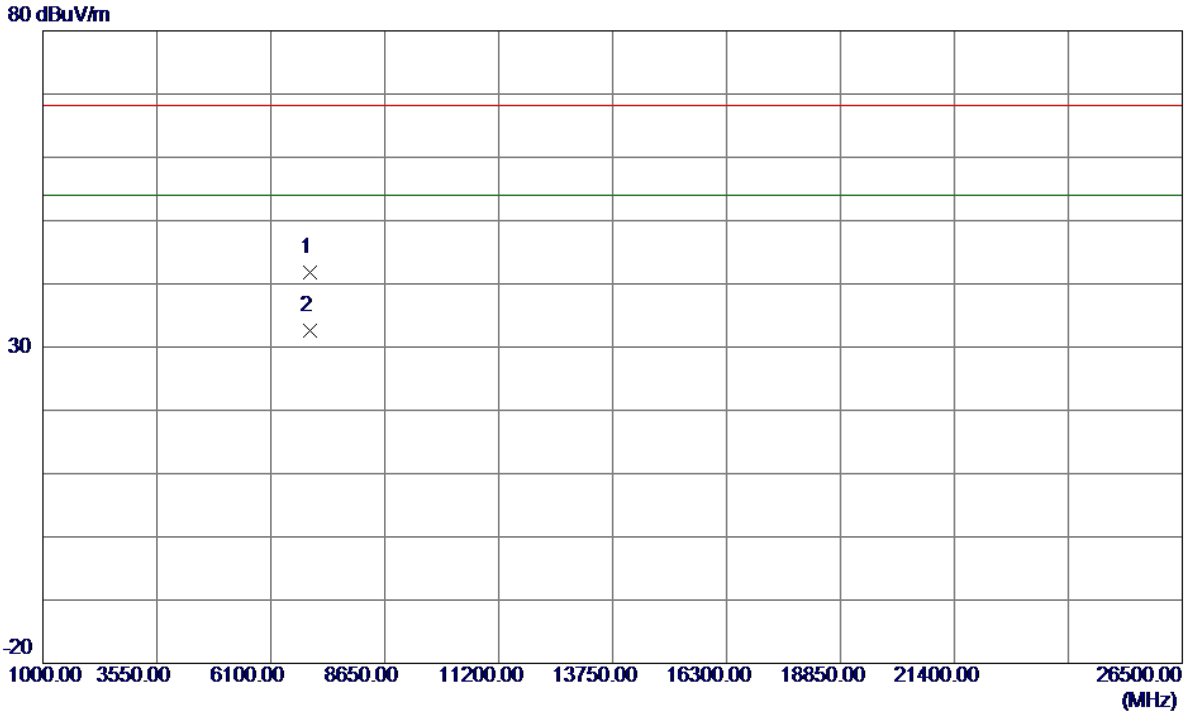
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5239.1000	55.43	40.92	96.35	54.00	42.35	AVG	No Limit
2	5239.9000	64.75	40.92	105.67	68.30	37.37	Peak	No Limit

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

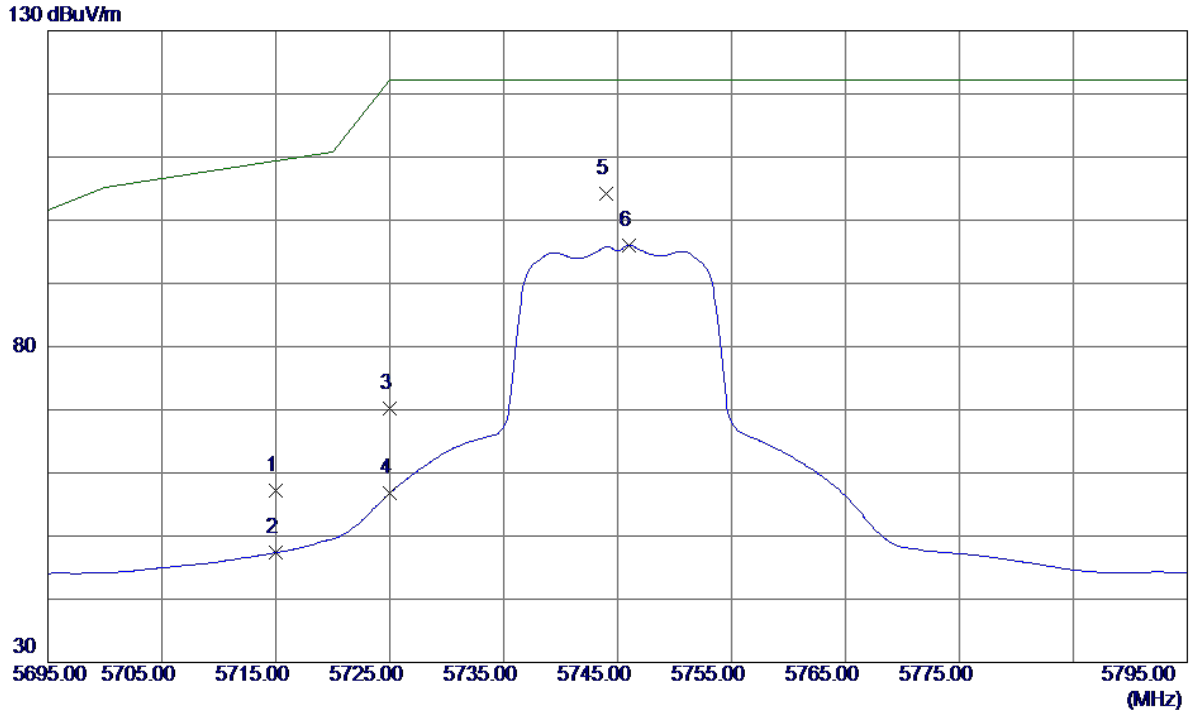
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	6986.5400	33.72	8.09	41.81	68.30	-26.49	Peak	
2 *	6986.6750	24.50	8.09	32.59	54.00	-21.41	AVG	

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

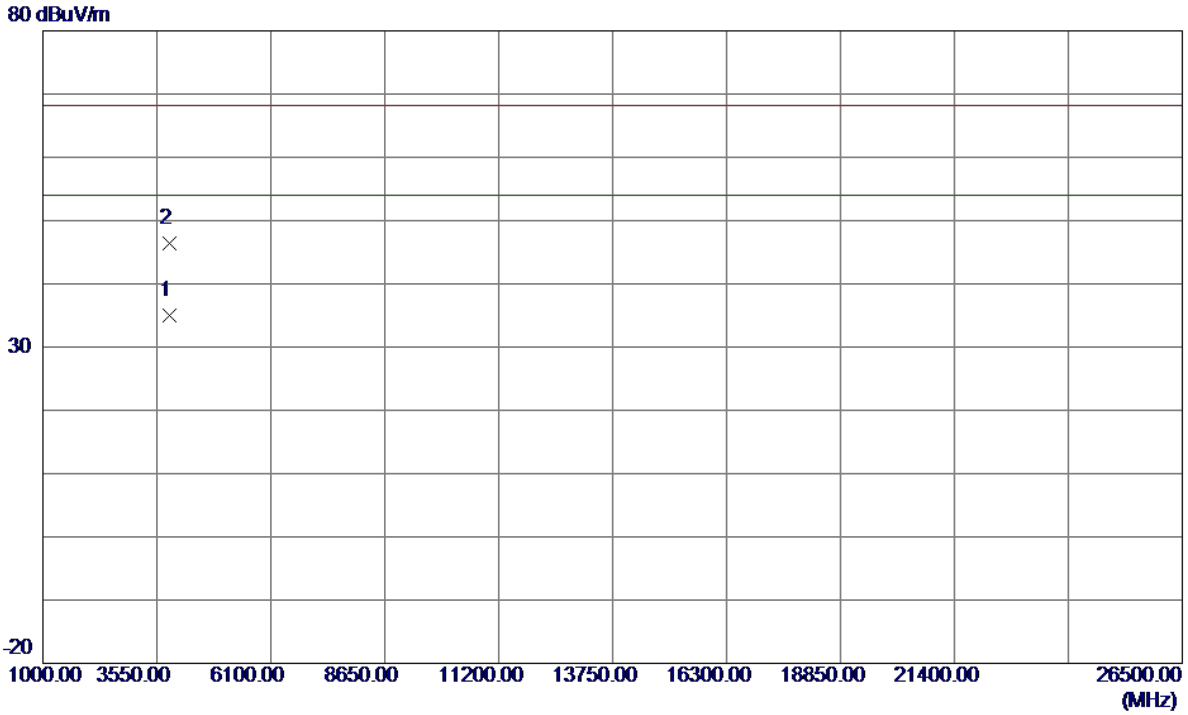
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	14.72	42.55	57.27	109.40	-52.13	Peak	
2	5715.0000	4.84	42.55	47.39	109.40	-62.01	AVG	
3	5725.0000	27.68	42.58	70.26	122.20	-51.94	Peak	
4	5725.0000	14.23	42.58	56.81	122.20	-65.39	AVG	
5 *	5744.0000	61.54	42.65	104.19	122.20	-18.01	Peak	
6	5746.0000	53.32	42.66	95.98	122.20	-26.22	AVG	

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

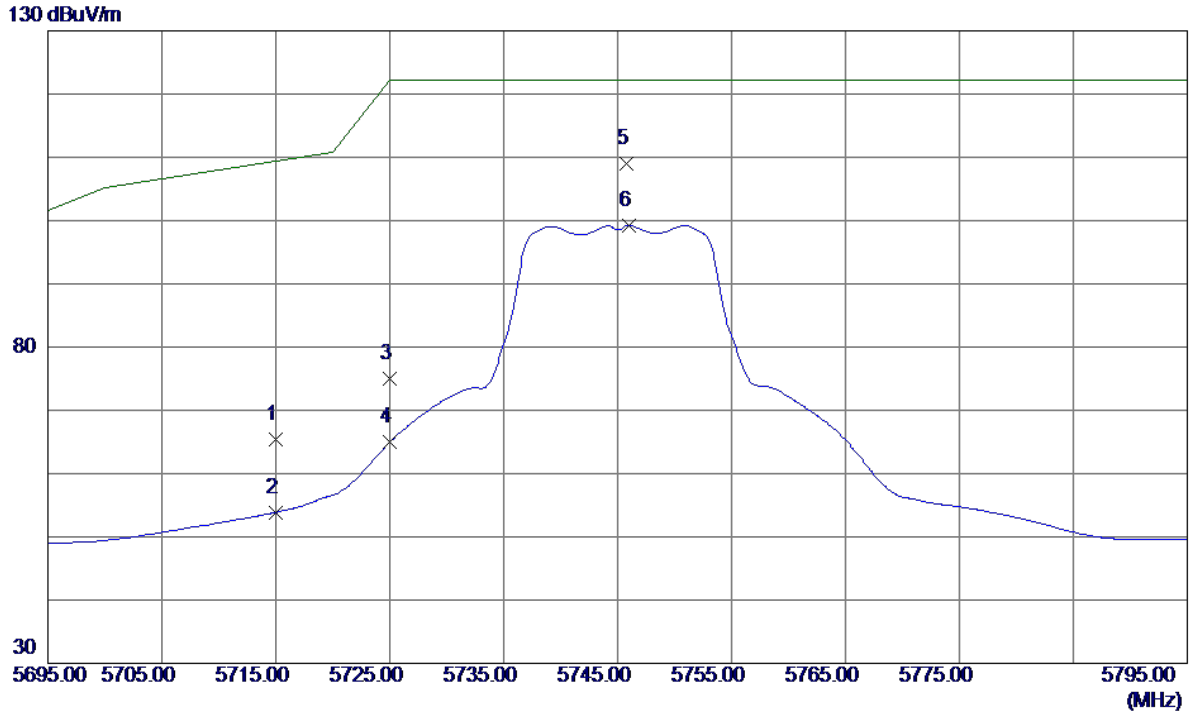
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3829.8560	33.38	1.58	34.96	54.00	-19.04	AVG	
2	3830.4720	44.91	1.58	46.49	68.30	-21.81	Peak	

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

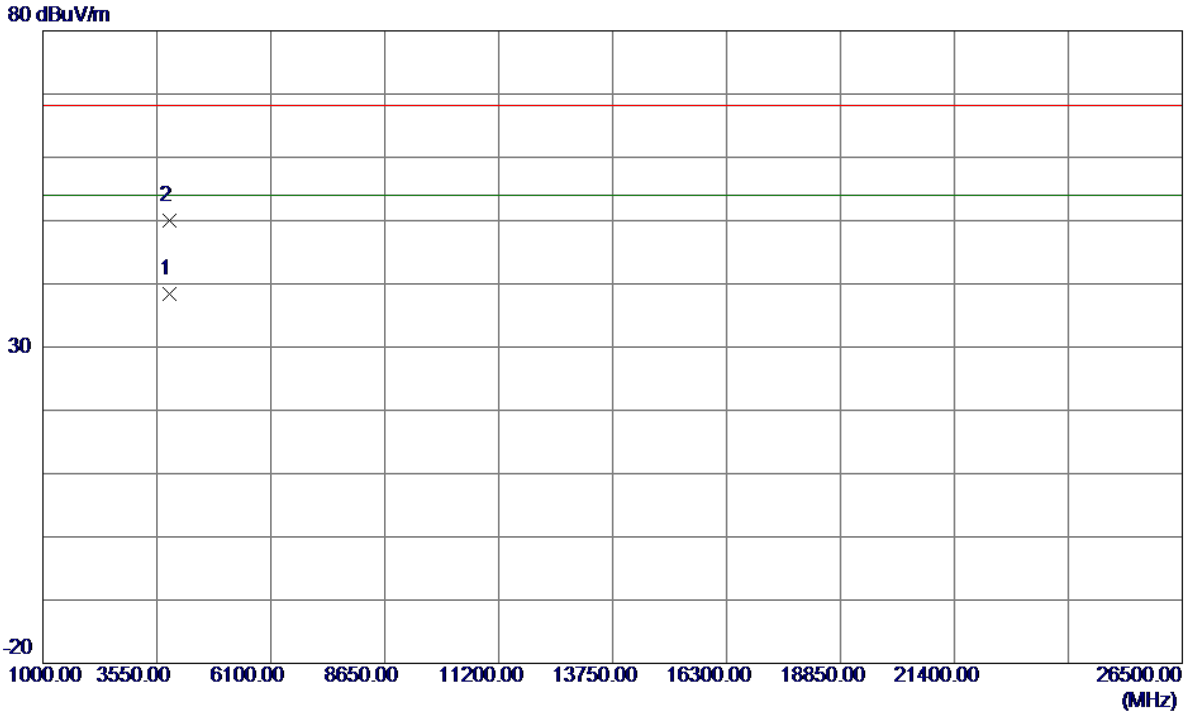
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	22.94	42.55	65.49	109.40	-43.91	Peak	
2	5715.0000	11.31	42.55	53.86	109.40	-55.54	AVG	
3	5725.0000	32.36	42.58	74.94	122.20	-47.26	Peak	
4	5725.0000	22.42	42.58	65.00	122.20	-57.20	AVG	
5 *	5745.8000	66.33	42.65	108.98	122.20	-13.22	Peak	
6	5746.0000	56.57	42.66	99.23	122.20	-22.97	AVG	

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

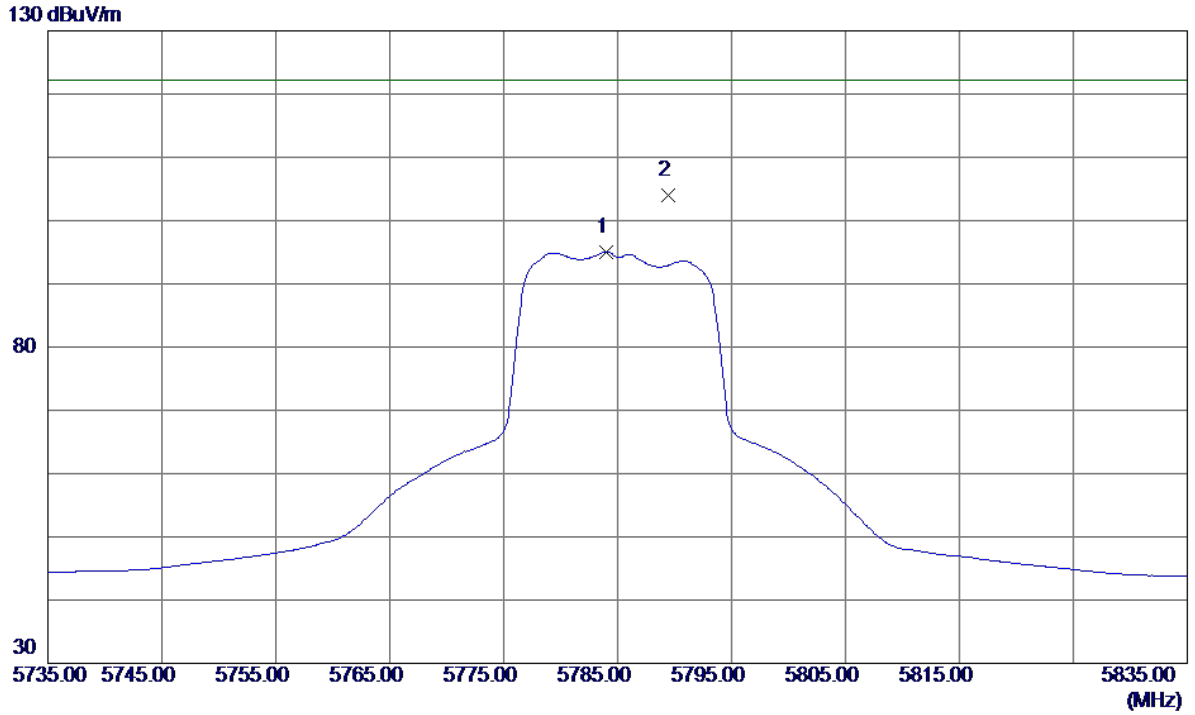
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3829.9950	36.83	1.58	38.41	54.00	-15.59	AVG	
2	3830.0200	48.44	1.58	50.02	68.30	-18.28	Peak	

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

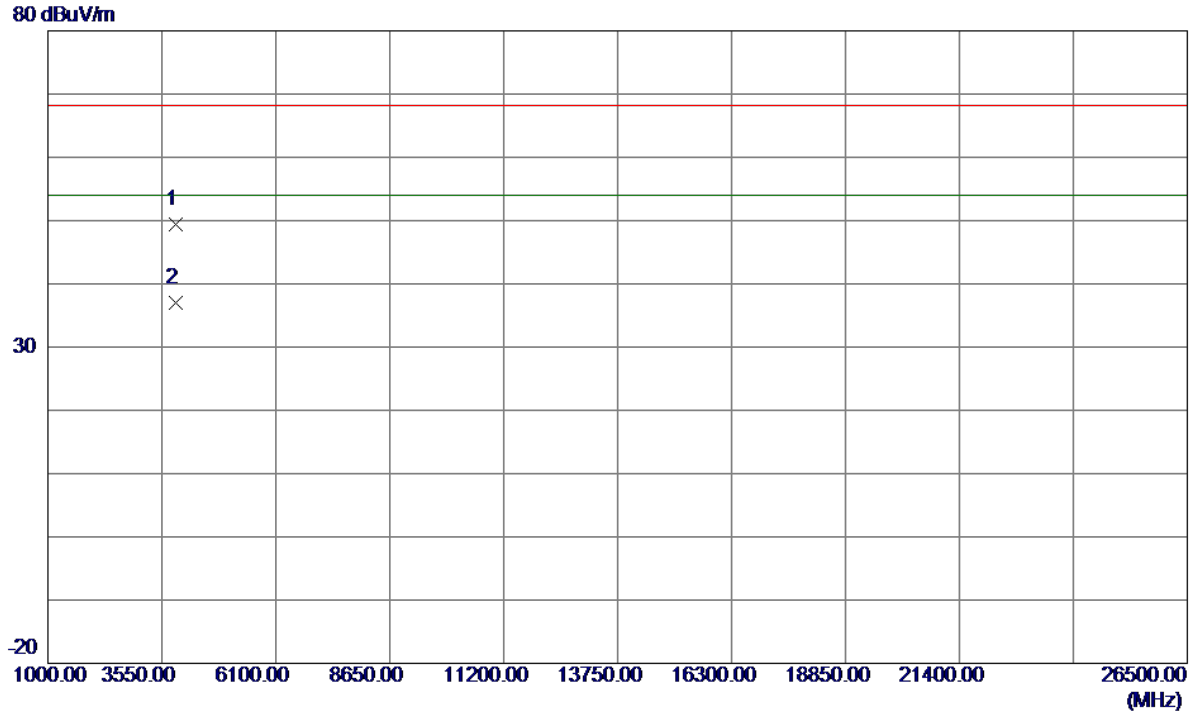
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5784.0000	52.27	42.79	95.06	122.20	-27.14	AVG	
2 *	5789.4000	61.09	42.81	103.90	122.20	-18.30	Peak	

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

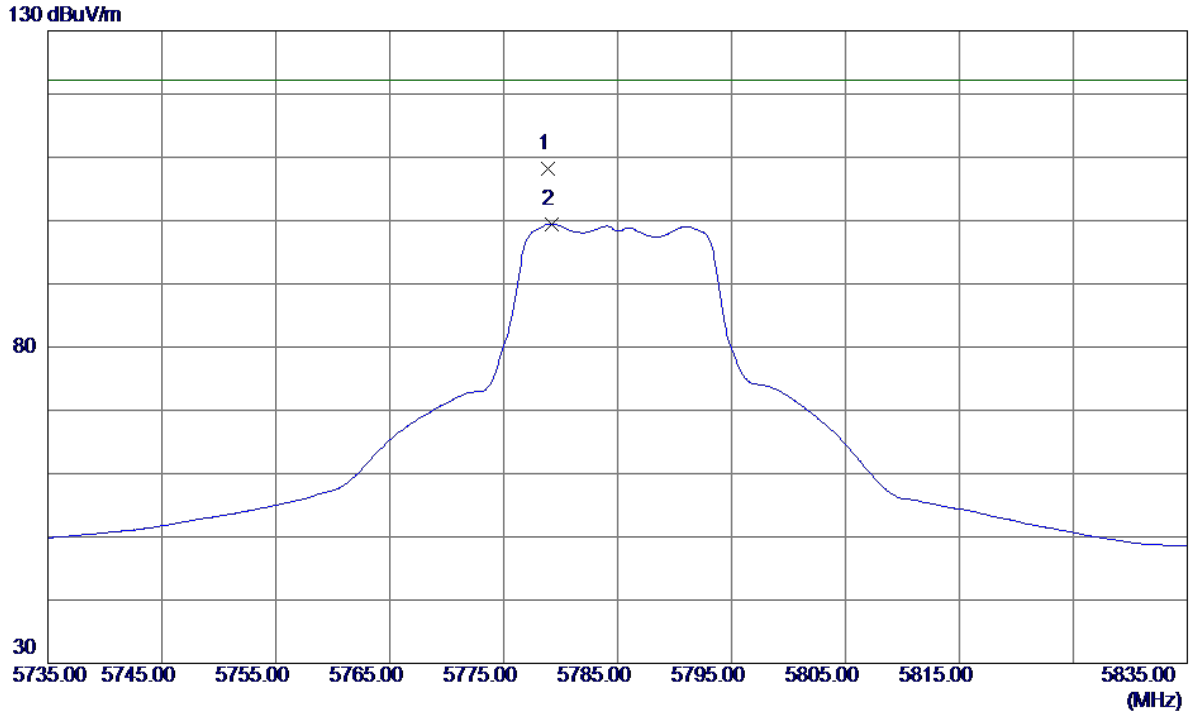
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3856.3550	47.66	1.66	49.32	68.30	-18.98	Peak	
2 *	3856.8760	35.26	1.66	36.92	54.00	-17.08	AVG	

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

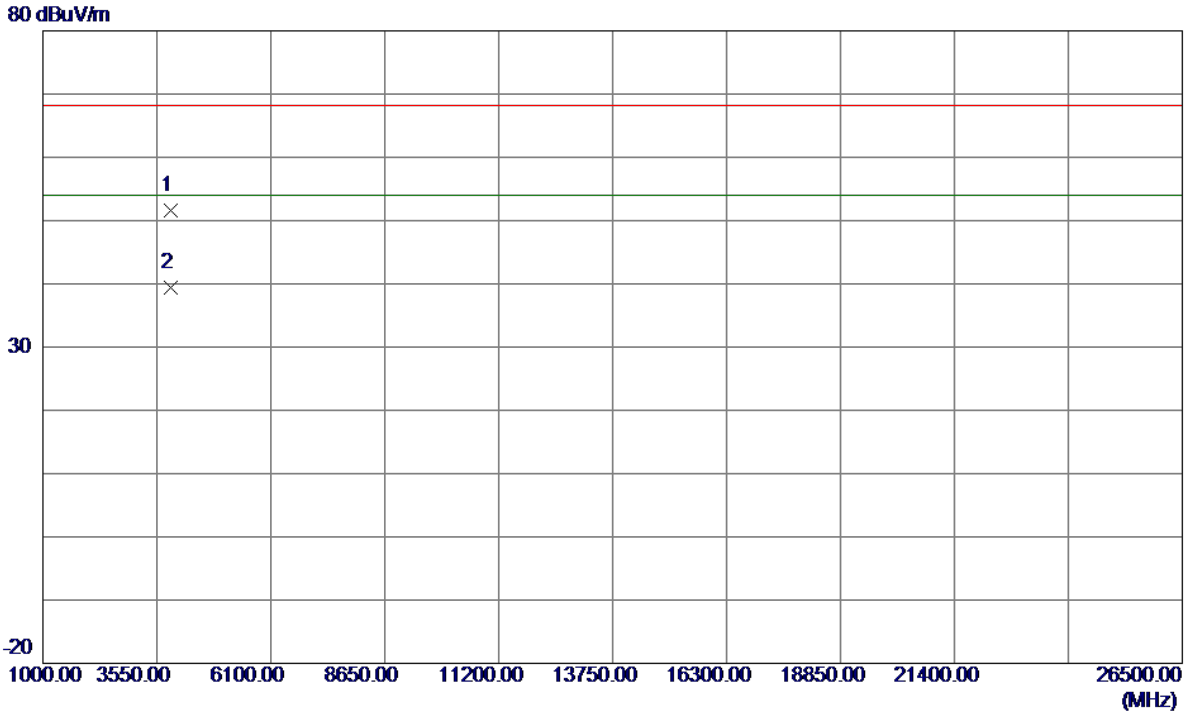
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5778.9000	65.48	42.77	108.25	122.20	-13.95	Peak	
2	5779.2000	56.71	42.77	99.48	122.20	-22.72	AVG	

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

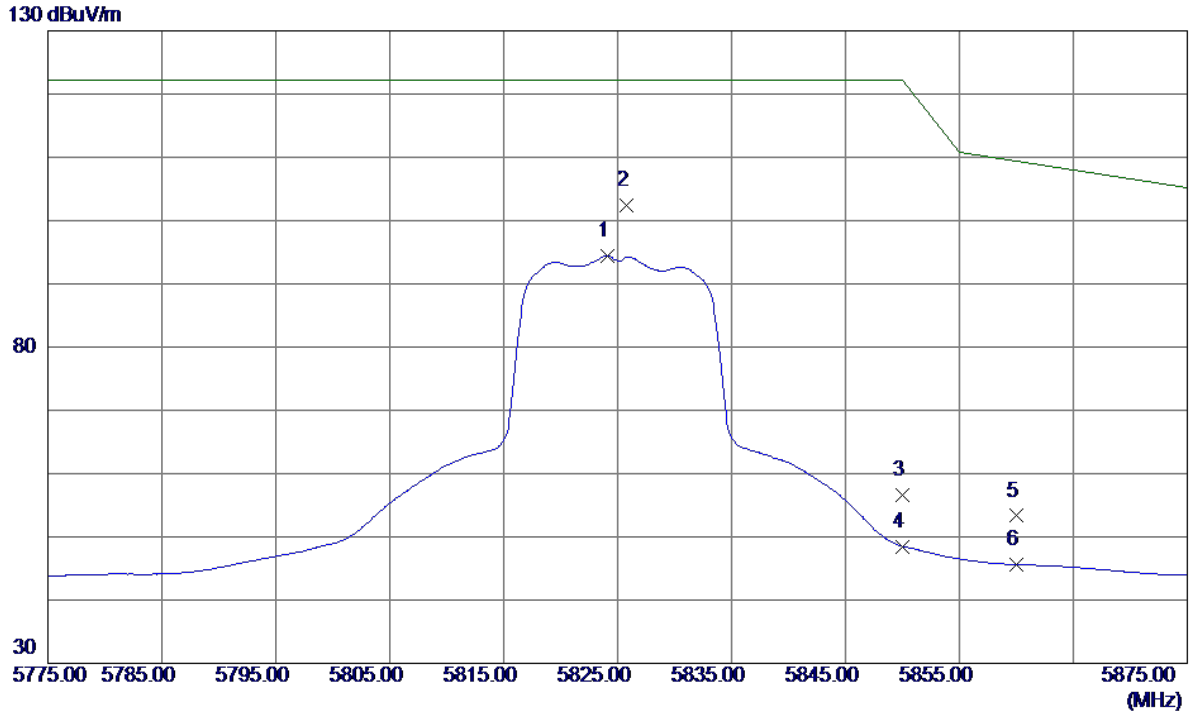
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3856.6000	49.96	1.66	51.62	68.30	-16.68	Peak	
2 *	3856.6750	37.76	1.66	39.42	54.00	-14.58	AVG	

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

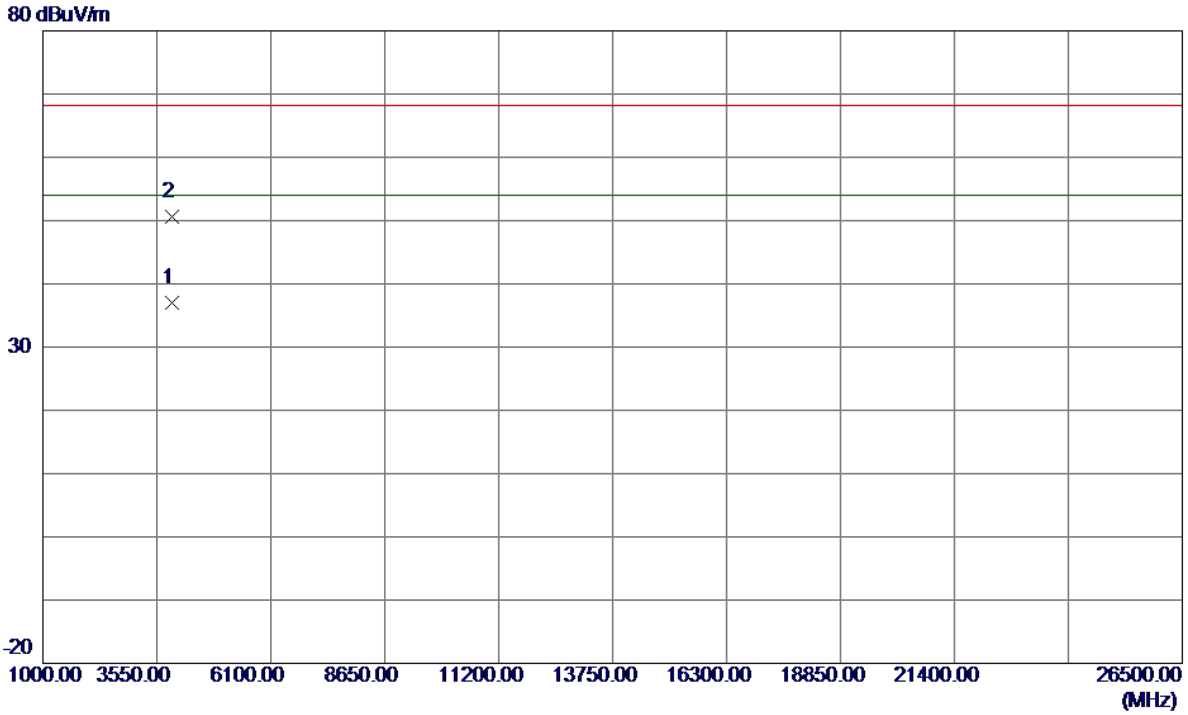
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5824.1000	51.49	42.93	94.42	122.20	-27.78	AVG	
2 *	5825.8000	59.45	42.94	102.39	122.20	-19.81	Peak	
3	5850.0000	13.64	43.03	56.67	122.20	-65.53	Peak	
4	5850.0000	5.46	43.03	48.49	122.20	-73.71	AVG	
5	5860.0000	10.24	43.06	53.30	109.40	-56.10	Peak	
6	5860.0000	2.53	43.06	45.59	109.40	-63.81	AVG	

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

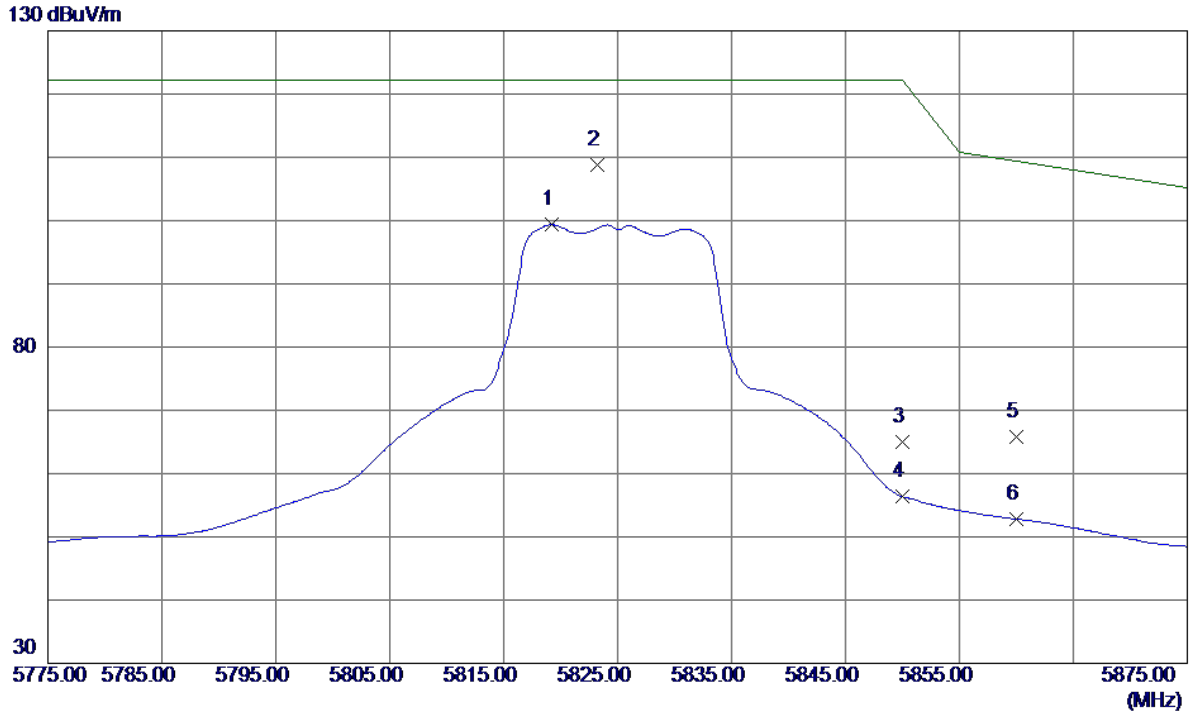
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3883.5800	35.27	1.75	37.02	54.00	-16.98	AVG	
2	3883.6710	48.77	1.75	50.52	68.30	-17.78	Peak	

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

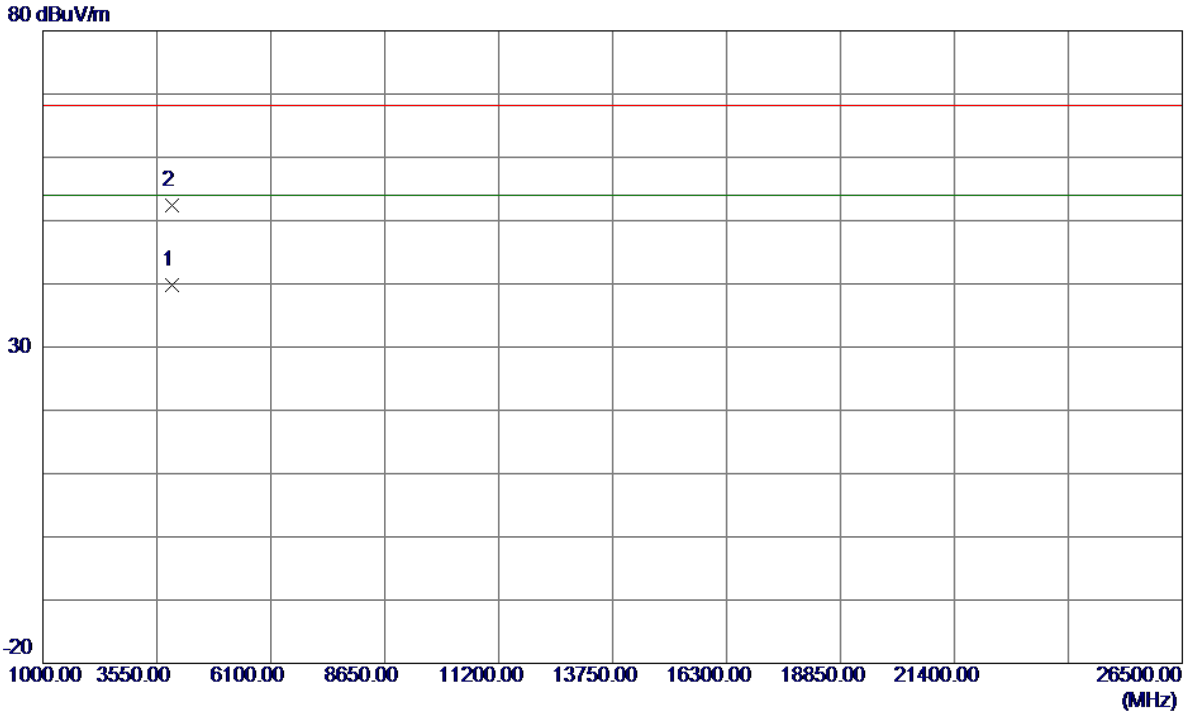
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5819.2000	56.40	42.92	99.32	122.20	-22.88	AVG	
2 *	5823.2000	65.82	42.93	108.75	122.20	-13.45	Peak	
3	5850.0000	22.03	43.03	65.06	122.20	-57.14	Peak	
4	5850.0000	13.30	43.03	56.33	122.20	-65.87	AVG	
5	5860.0000	22.80	43.06	65.86	109.40	-43.54	Peak	
6	5860.0000	9.74	43.06	52.80	109.40	-56.60	AVG	

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

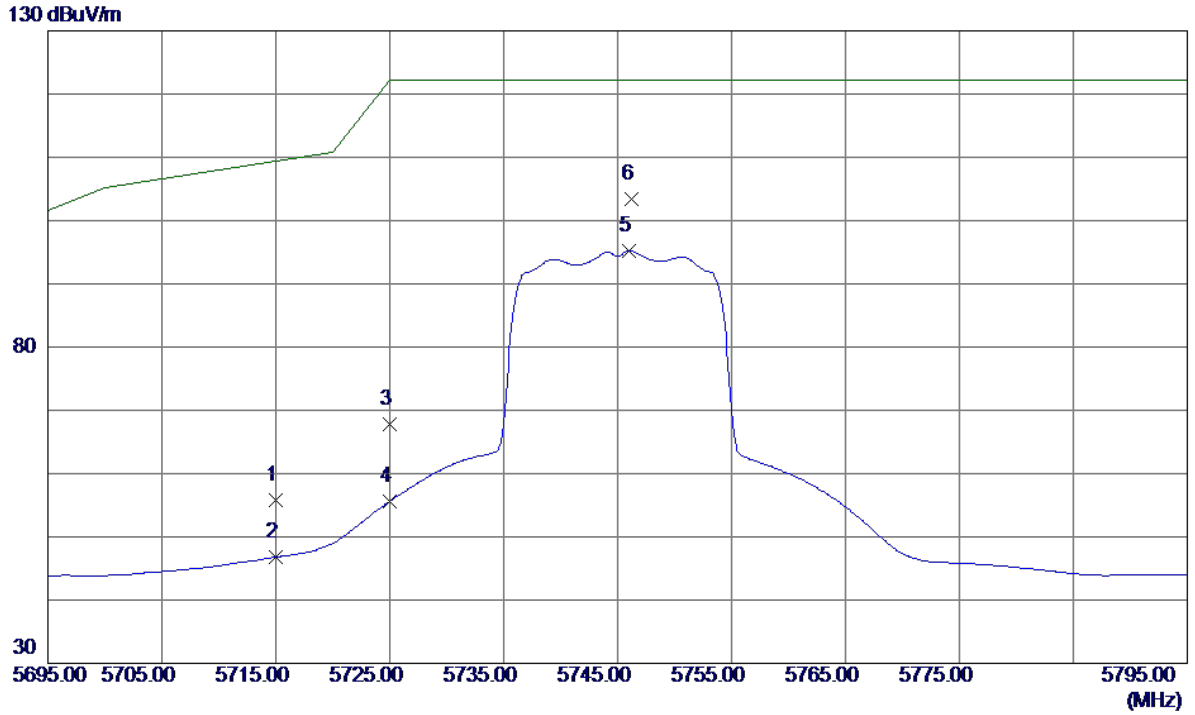
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3883.3200	37.99	1.75	39.74	54.00	-14.26	AVG	
2	3883.3550	50.56	1.75	52.31	68.30	-15.99	Peak	

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

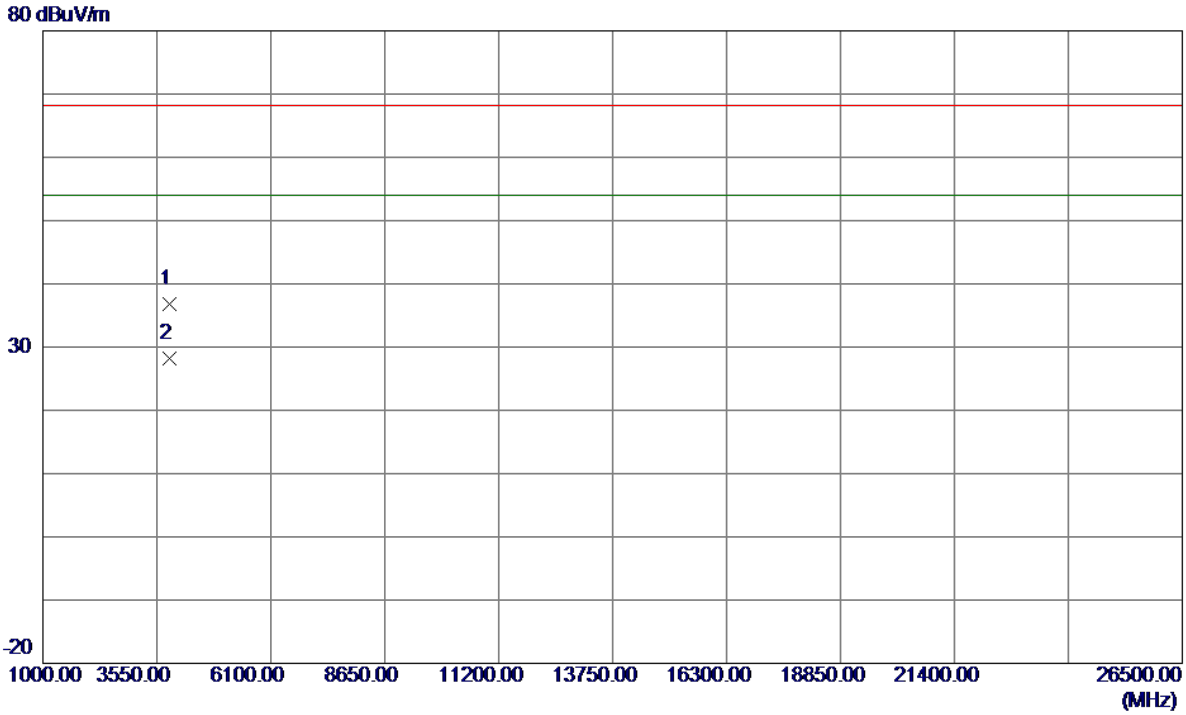
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	13.27	42.55	55.82	109.40	-53.58	Peak	
2	5715.0000	4.23	42.55	46.78	109.40	-62.62	AVG	
3	5725.0000	25.25	42.58	67.83	122.20	-54.37	Peak	
4	5725.0000	13.04	42.58	55.62	122.20	-66.58	AVG	
5	5746.0000	52.56	42.66	95.22	122.20	-26.98	AVG	
6 *	5746.2000	60.68	42.66	103.34	122.20	-18.86	Peak	

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

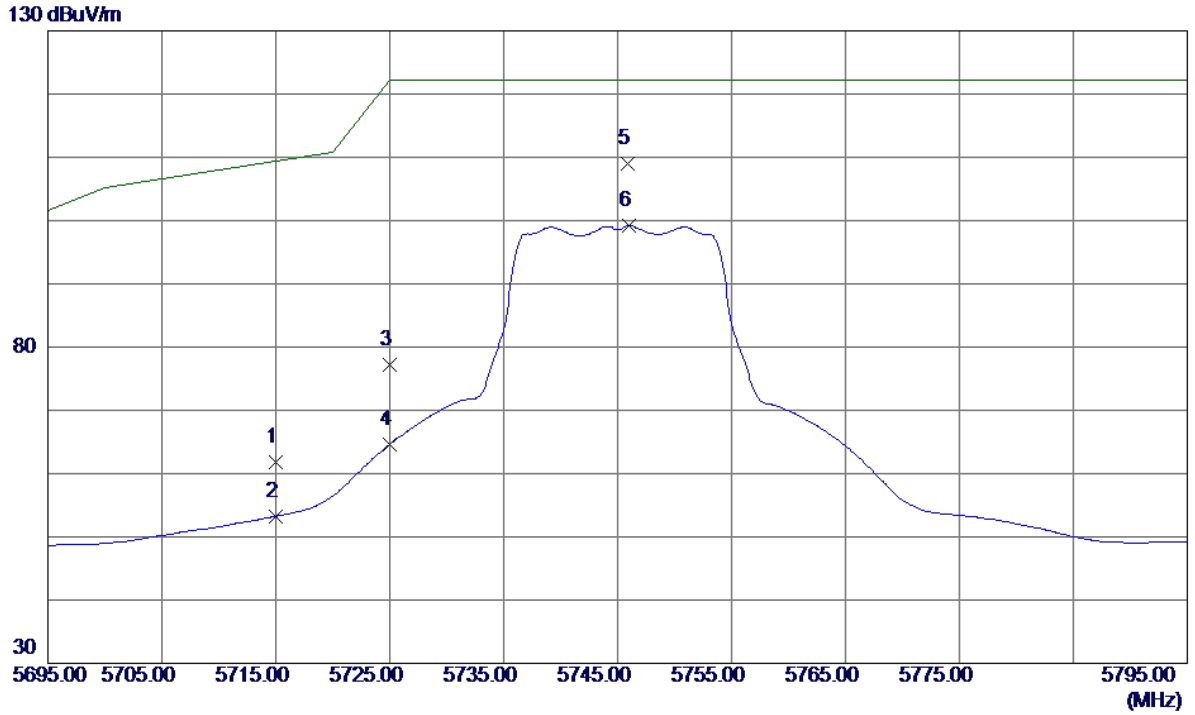
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3829.5810	35.24	1.58	36.82	68.30	-31.48	Peak	
2 *	3829.8550	26.68	1.58	28.26	54.00	-25.74	AVG	

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

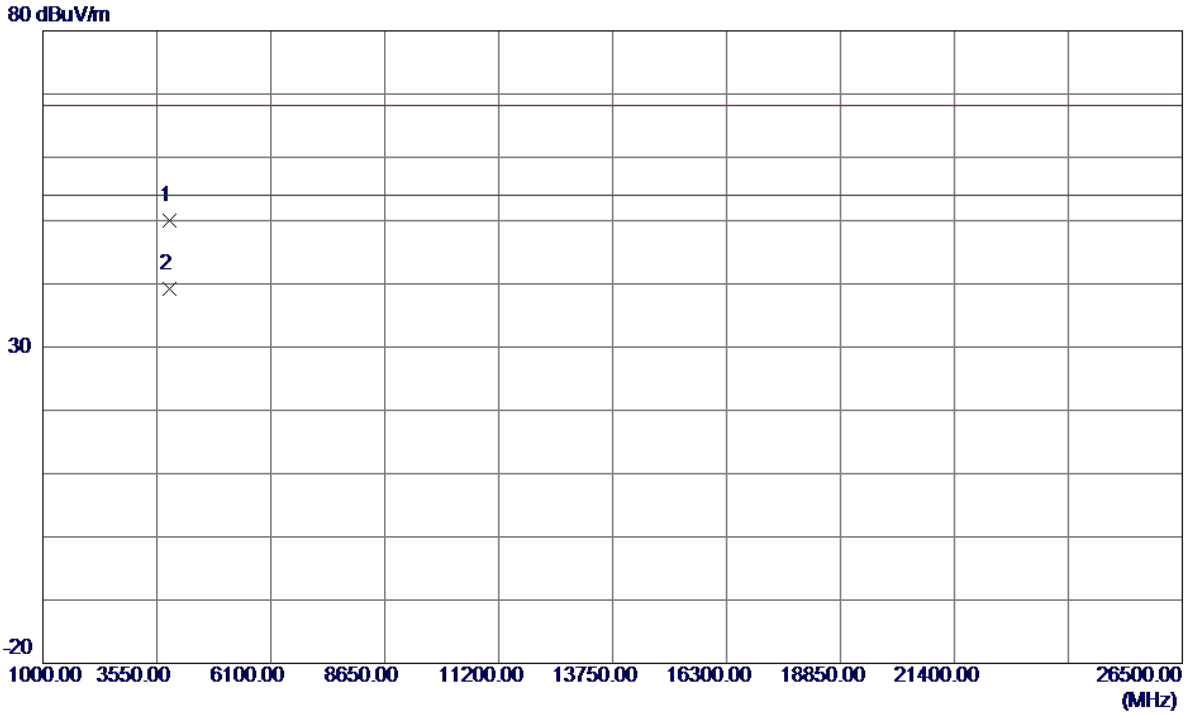
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	19.24	42.55	61.79	109.40	-47.61	Peak	
2	5715.0000	10.70	42.55	53.25	109.40	-56.15	AVG	
3	5725.0000	34.67	42.58	77.25	122.20	-44.95	Peak	
4	5725.0000	22.04	42.58	64.62	122.20	-57.58	AVG	
5 *	5745.9000	66.36	42.66	109.02	122.20	-13.18	Peak	
6	5746.0000	56.51	42.66	99.17	122.20	-23.03	AVG	

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

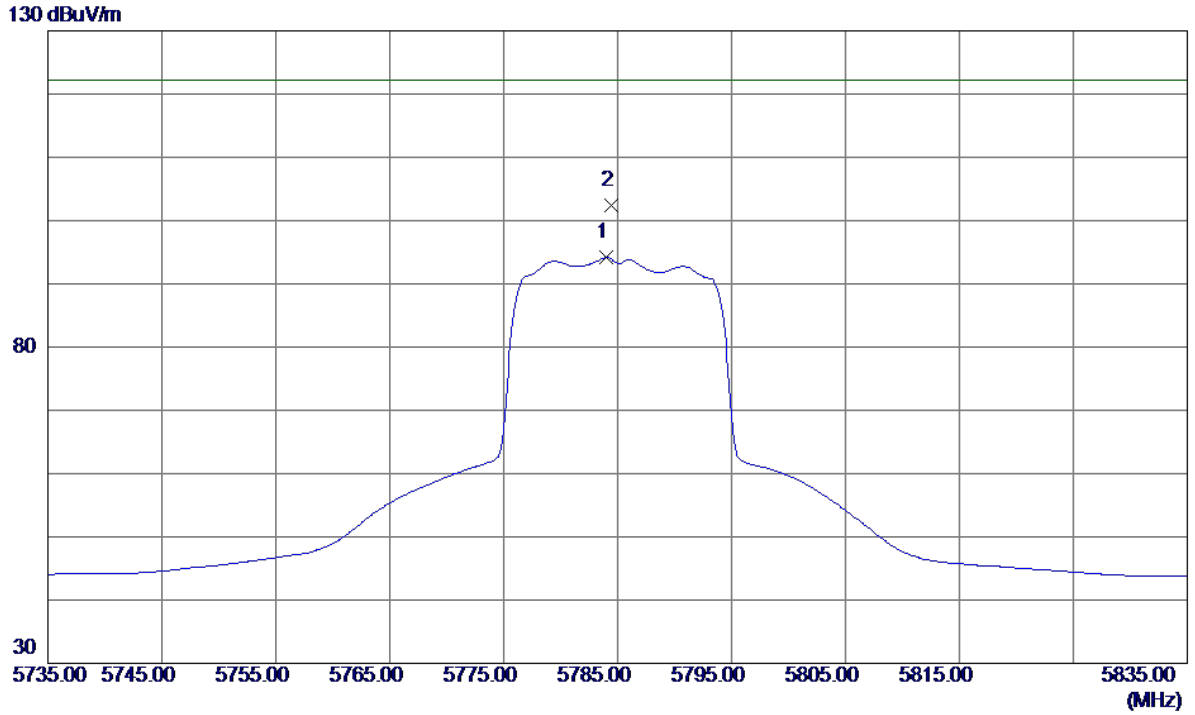
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3829.8550	48.46	1.58	50.04	68.30	-18.26	Peak	
2 *	3829.9900	37.58	1.58	39.16	54.00	-14.84	AVG	

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

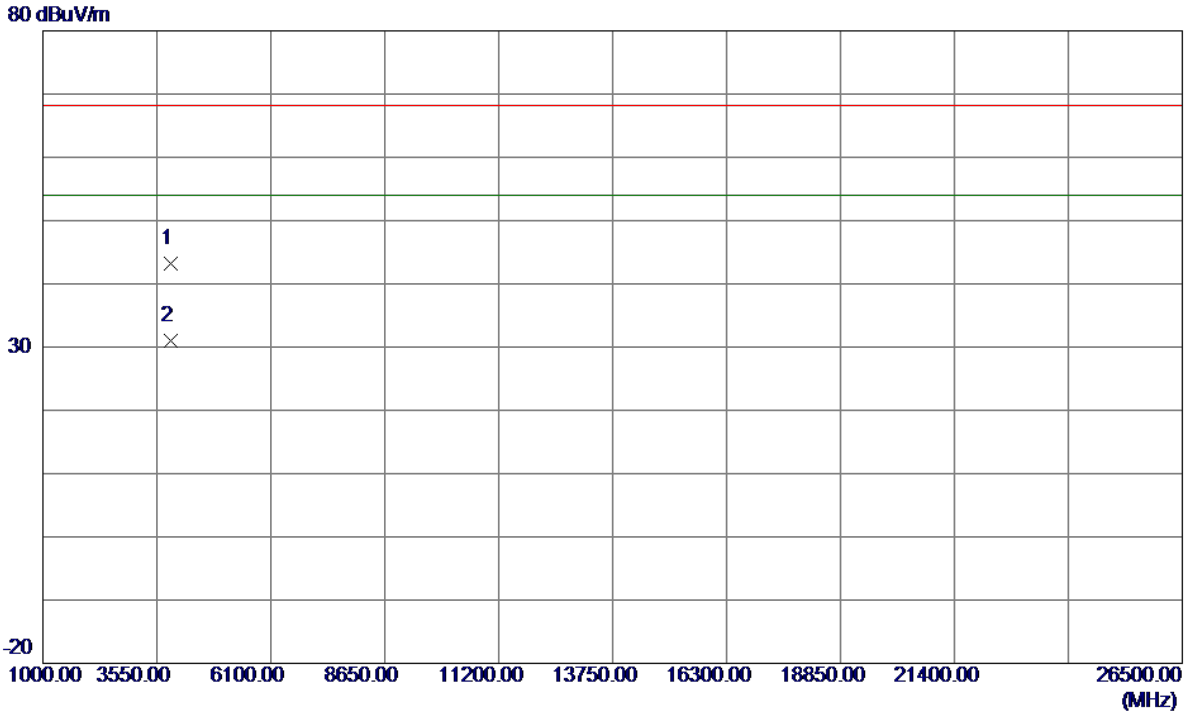
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5784.0000	51.35	42.79	94.14	122.20	-28.06	AVG	
2 *	5784.4000	59.65	42.79	102.44	122.20	-19.76	Peak	

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

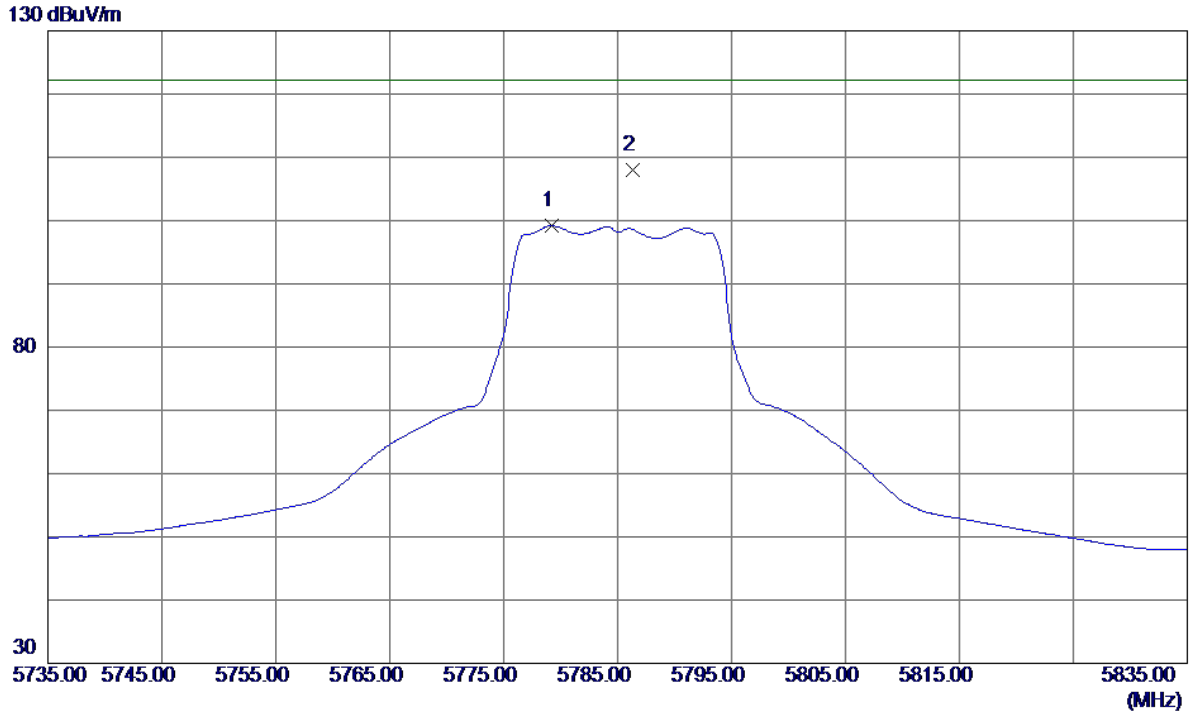
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3856.4530	41.53	1.66	43.19	68.30	-25.11	Peak	
2 *	3856.5140	29.36	1.66	31.02	54.00	-22.98	AVG	

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

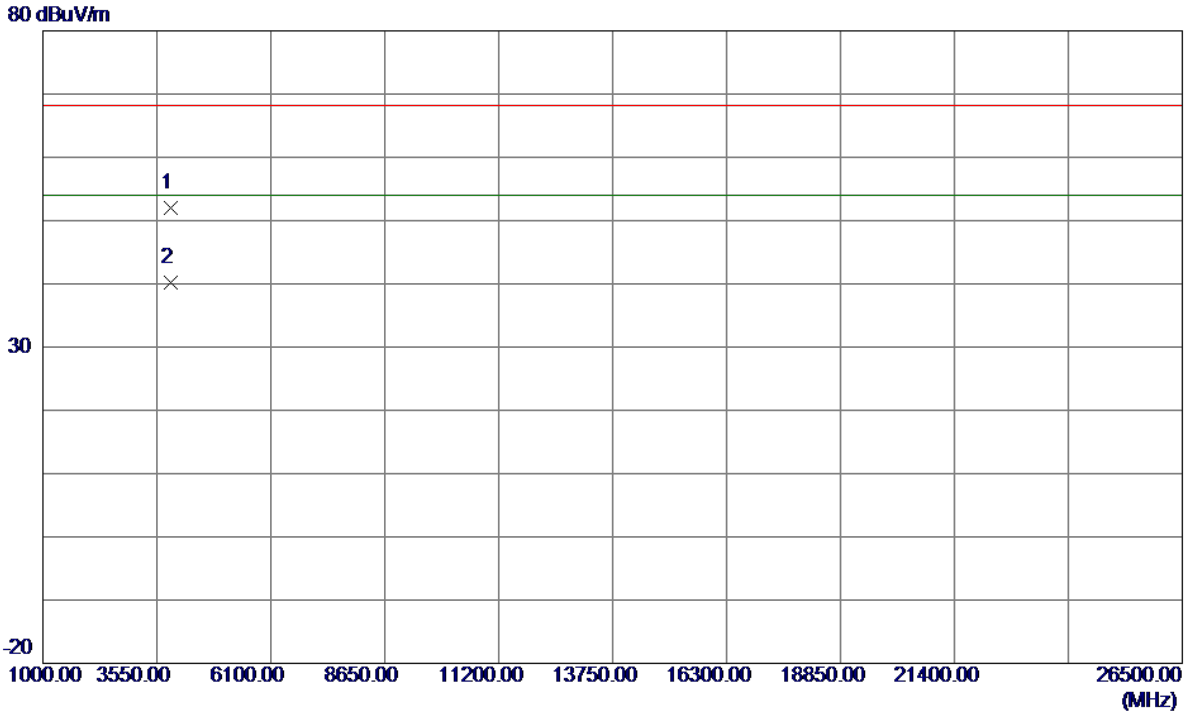
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5779.2000	56.40	42.77	99.17	122.20	-23.03	AVG	
2 *	5786.3000	65.27	42.80	108.07	122.20	-14.13	Peak	

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

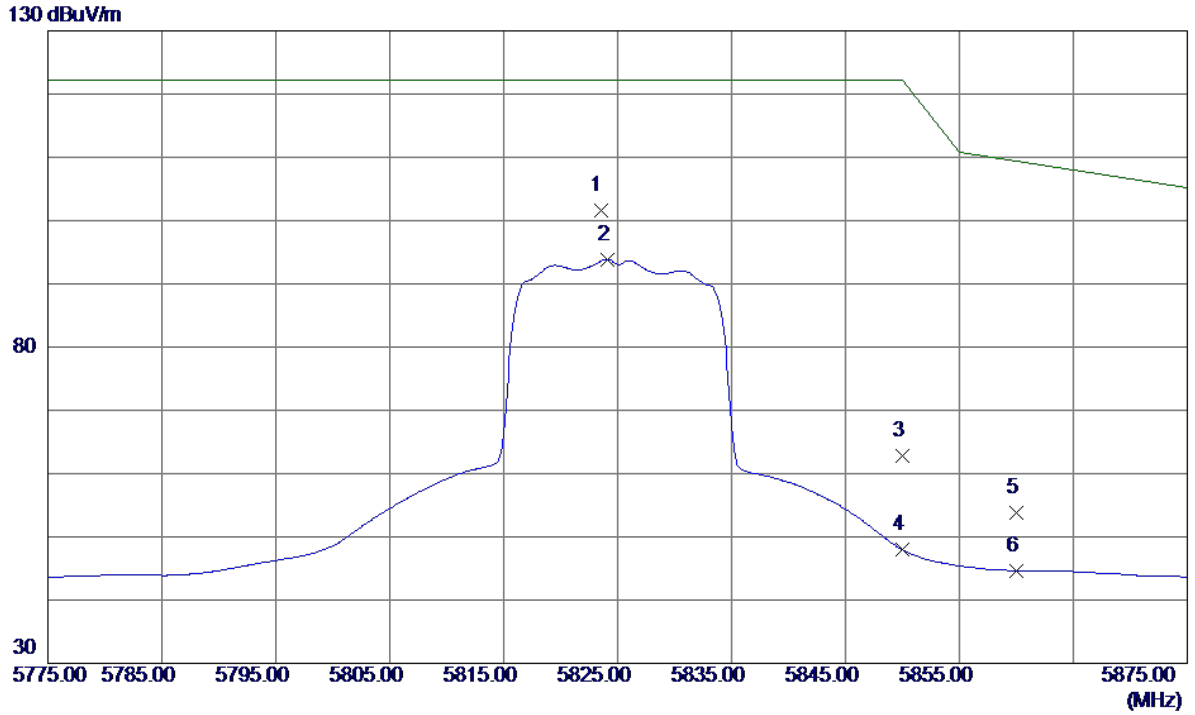
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3856.5750	50.34	1.66	52.00	68.30	-16.30	Peak	
2 *	3856.6600	38.50	1.66	40.16	54.00	-13.84	AVG	

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

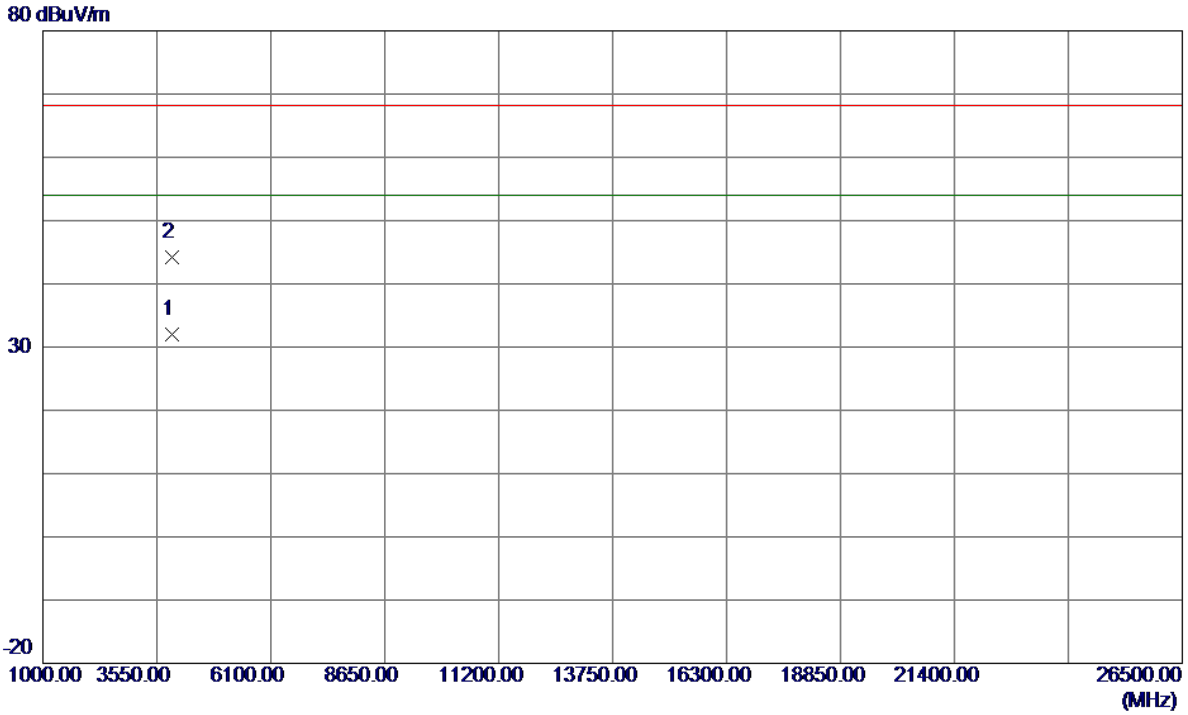
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5823.5000	58.65	42.93	101.58	122.20	-20.62	Peak	
2	5824.1000	50.94	42.93	93.87	122.20	-28.33	AVG	
3	5850.0000	19.81	43.03	62.84	122.20	-59.36	Peak	
4	5850.0000	4.88	43.03	47.91	122.20	-74.29	AVG	
5	5860.0000	10.73	43.06	53.79	109.40	-55.61	Peak	
6	5860.0000	1.55	43.06	44.61	109.40	-64.79	AVG	

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

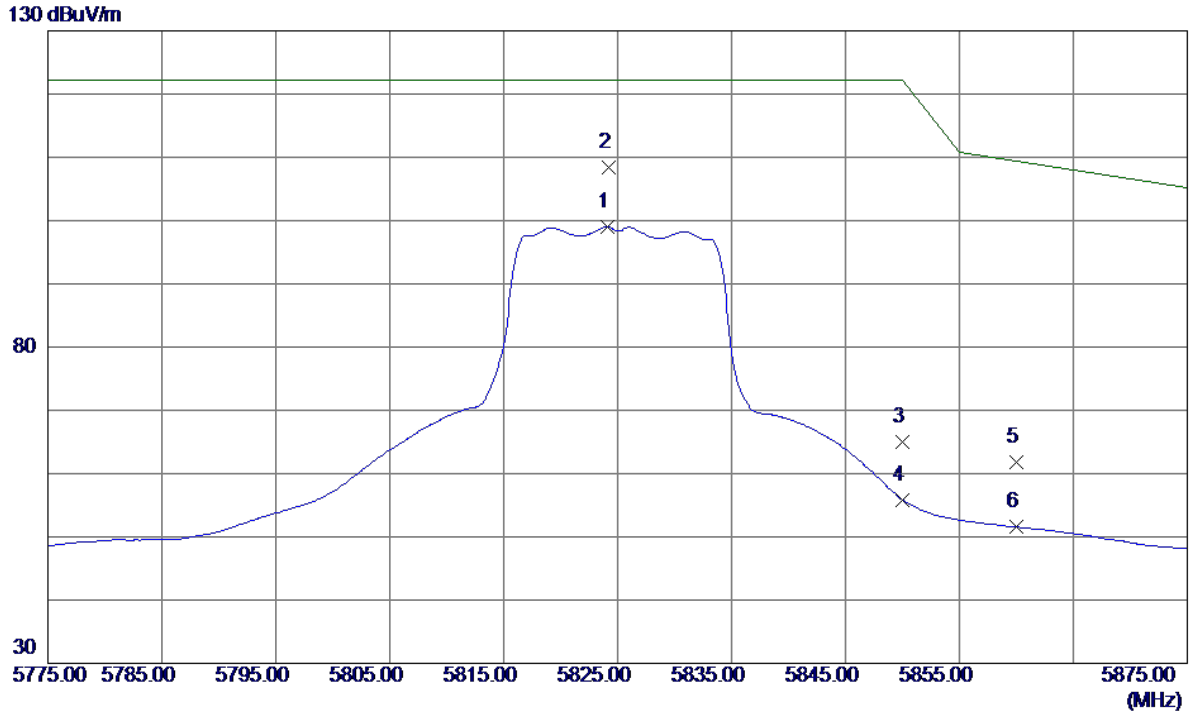
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3883.2350	30.25	1.74	31.99	54.00	-22.01	AVG	
2	3883.5270	42.38	1.75	44.13	68.30	-24.17	Peak	

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

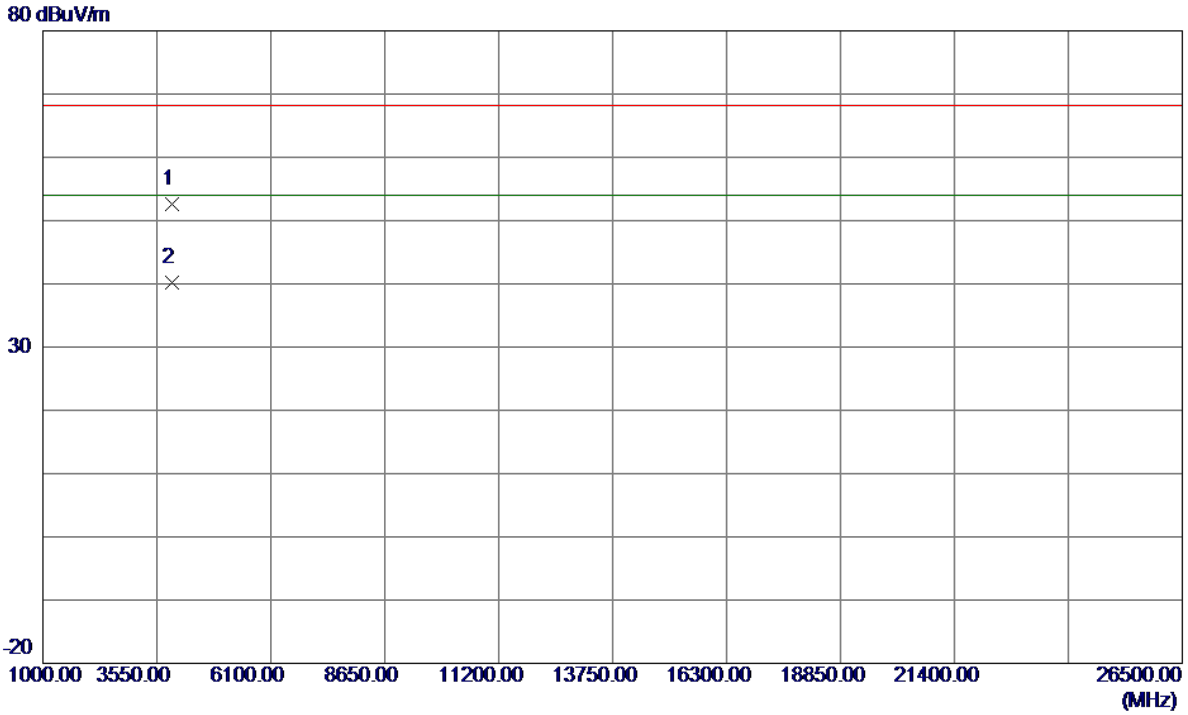
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5824.1000	56.09	42.93	99.02	122.20	-23.18	AVG	
2 *	5824.2000	65.47	42.93	108.40	122.20	-13.80	Peak	
3	5850.0000	21.88	43.03	64.91	122.20	-57.29	Peak	
4	5850.0000	12.79	43.03	55.82	122.20	-66.38	AVG	
5	5860.0000	18.66	43.06	61.72	109.40	-47.68	Peak	
6	5860.0000	8.48	43.06	51.54	109.40	-57.86	AVG	

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.2800	50.82	1.75	52.57	68.30	-15.73	Peak	
2 *	3883.3200	38.50	1.75	40.25	54.00	-13.75	AVG	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

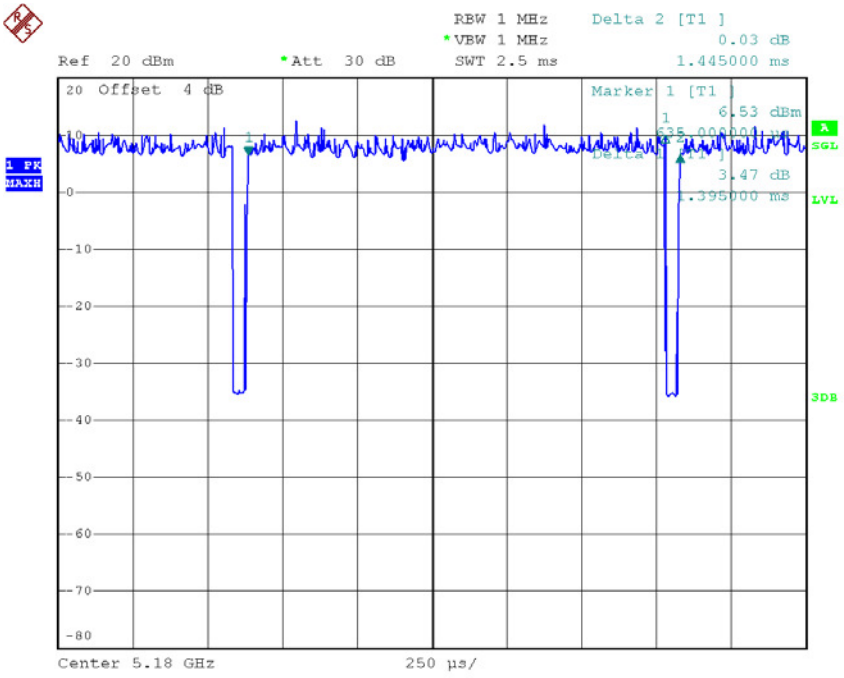
T_{ON}: 1.40 msec

T_{Total}: 1.44 msec

Duty cycle: 97.22%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.12



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 N20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

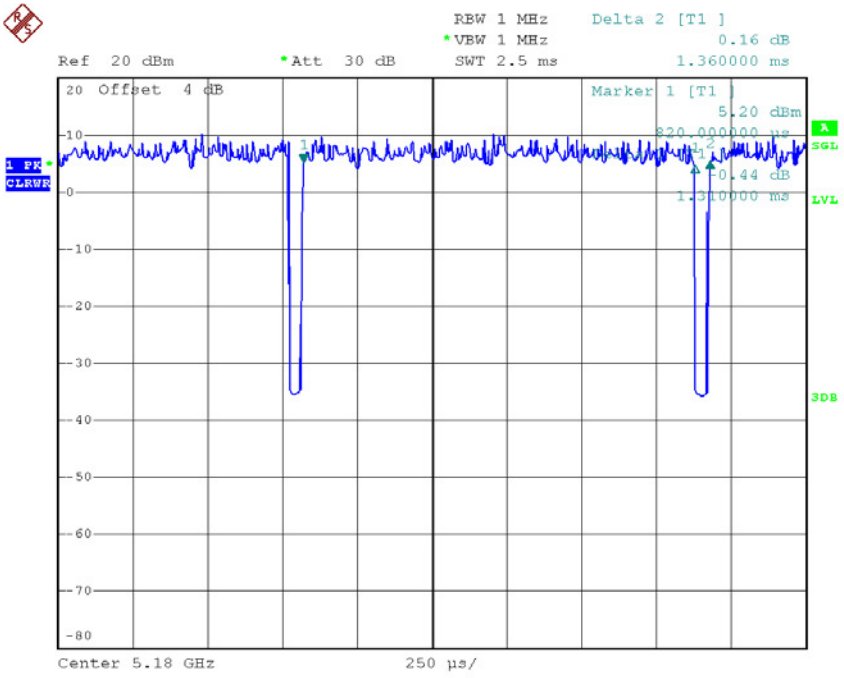
T_{ON}: 1.31 msec

T_{Total}: 1.36 msec

Duty cycle: 96.32%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.16



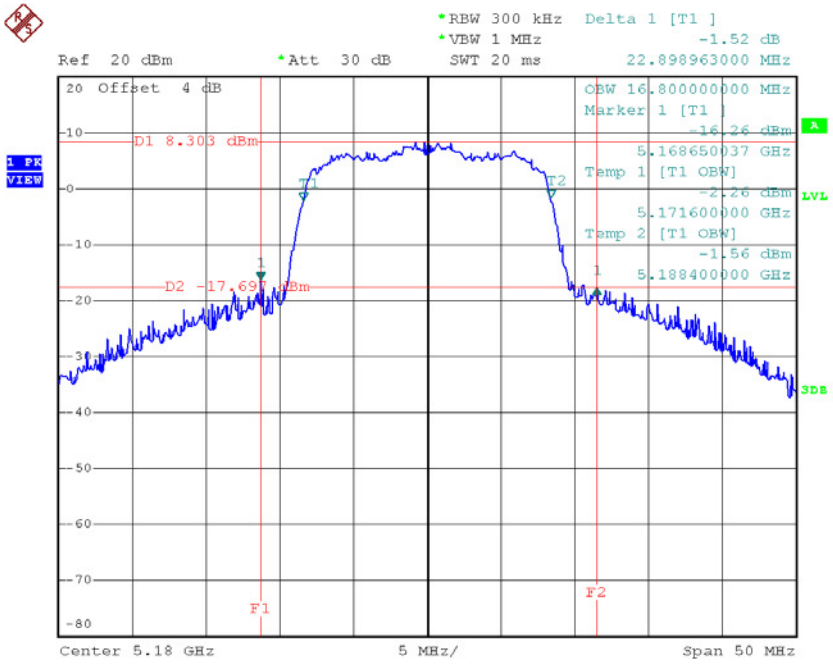
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be cacluated as
Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

ATTACHMENT E - BANDWIDTH

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

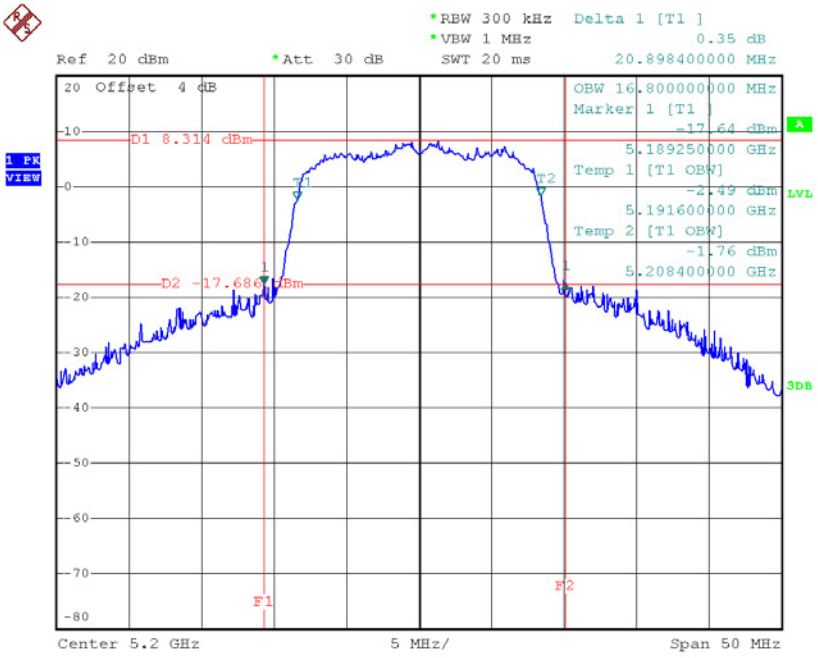
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	22.90	16.80
CH40	5200	20.90	16.80
CH48	5240	19.19	16.70

TX CH36



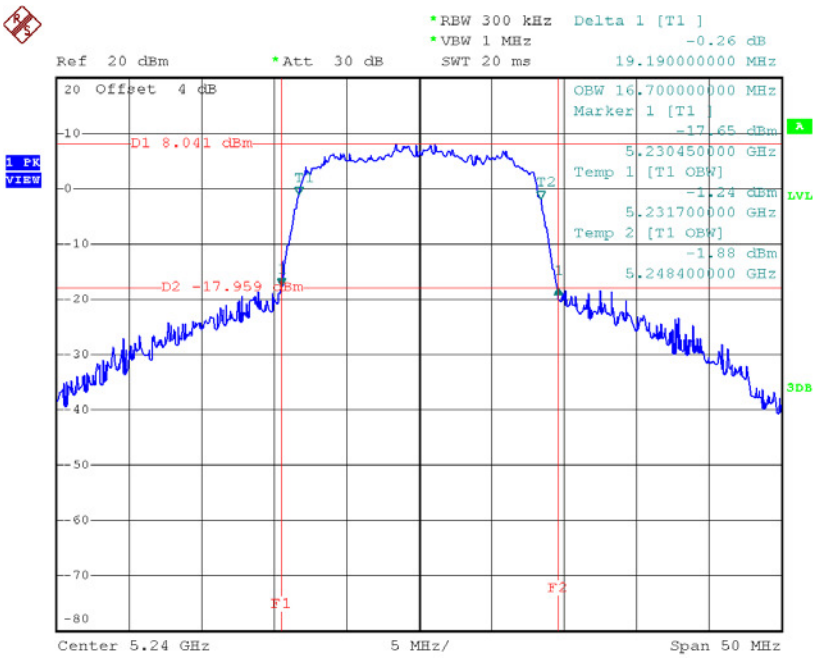
Date: 24.JAN.2017 09:17:18

TX CH40



Date: 24.JAN.2017 09:21:48

TX CH48

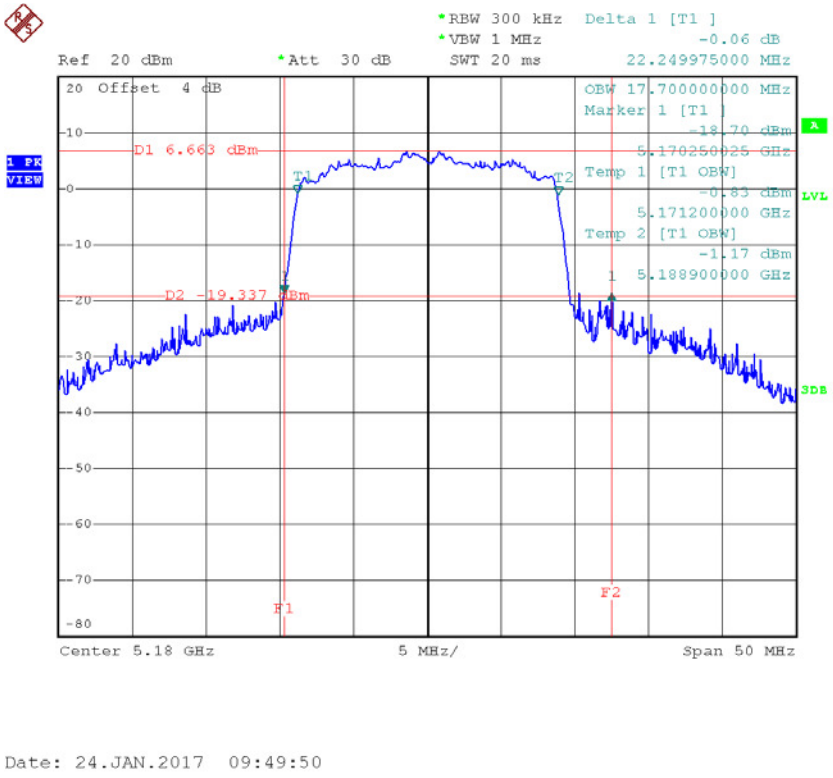


Date: 24.JAN.2017 09:23:03

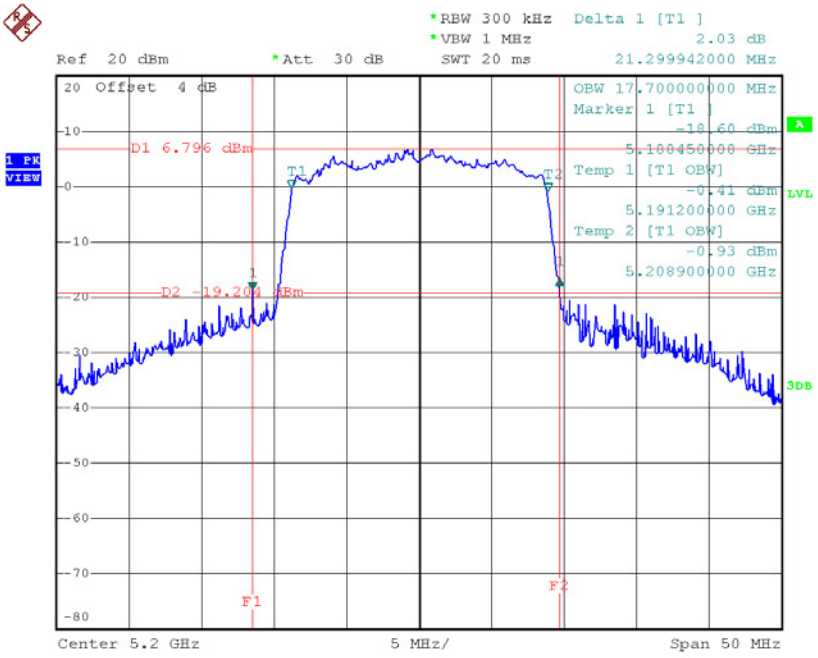
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	22.25	17.70
CH40	5200	21.30	17.70
CH48	5240	20.31	17.60

TX CH36



TX CH40



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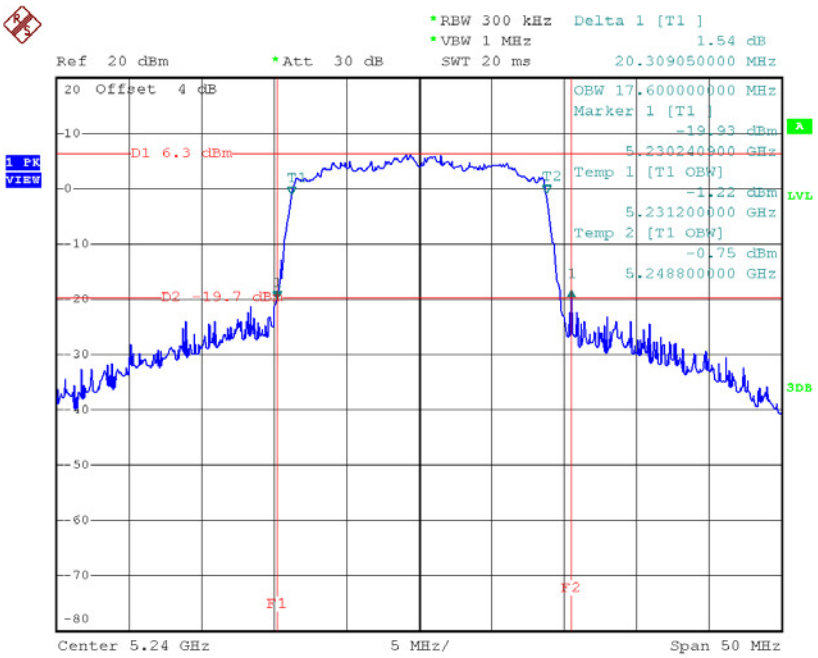
TX CH48

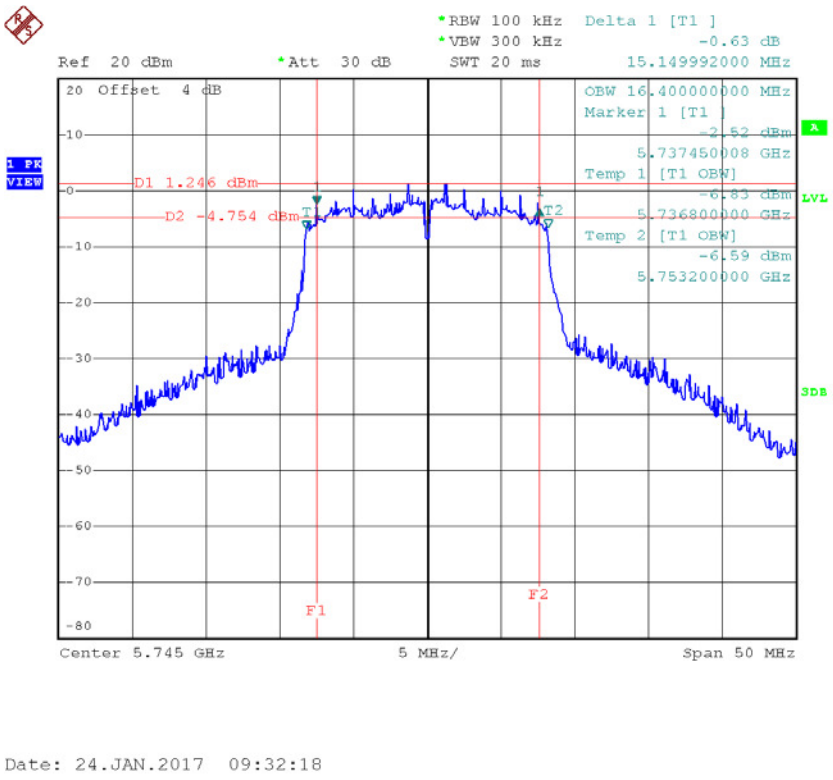


Date: 24.JAN.2017 09:52:23

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

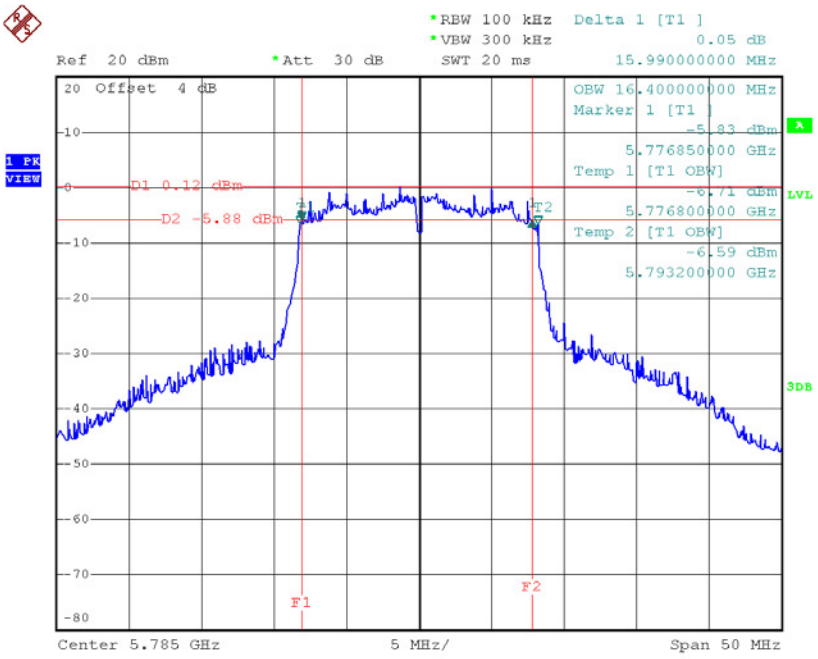
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	15.15	16.40	>=500
CH157	5785	15.99	16.40	>=500
CH165	5825	15.21	16.50	>=500

TX CH 149



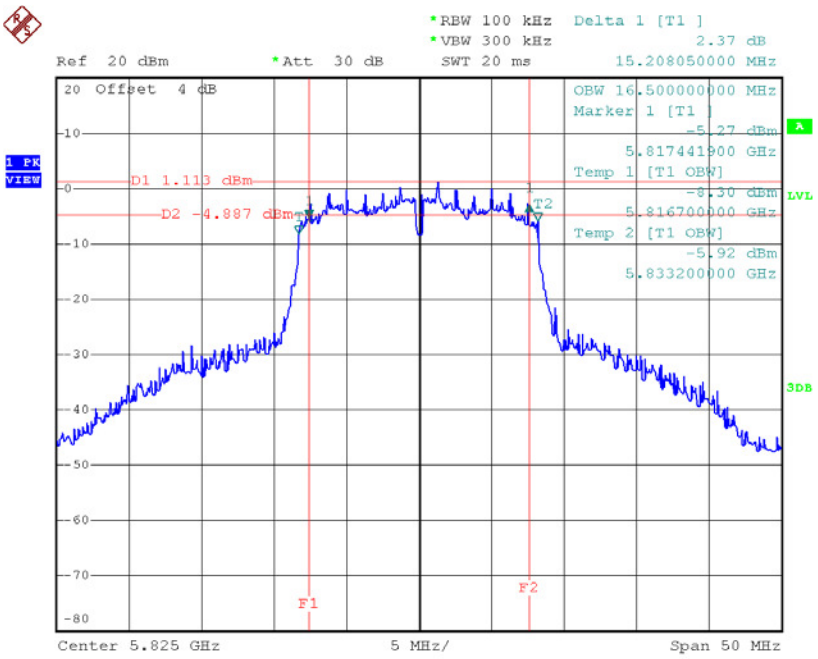
Date: 24.JAN.2017 09:32:18

TX CH 157



Date: 24.JAN.2017 09:37:41

TX CH 165

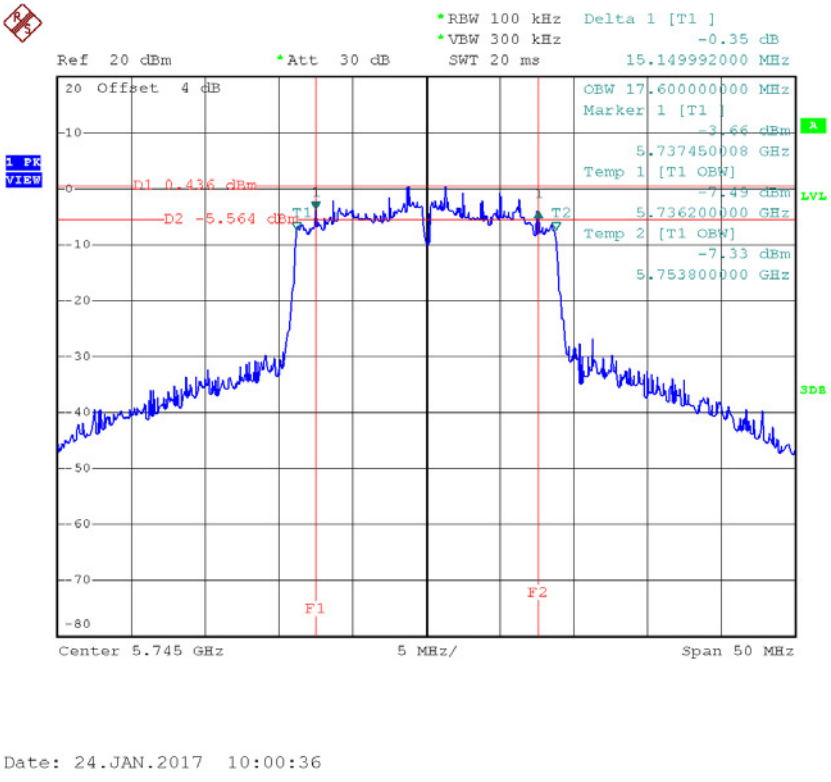


Date: 24.JAN.2017 09:40:04

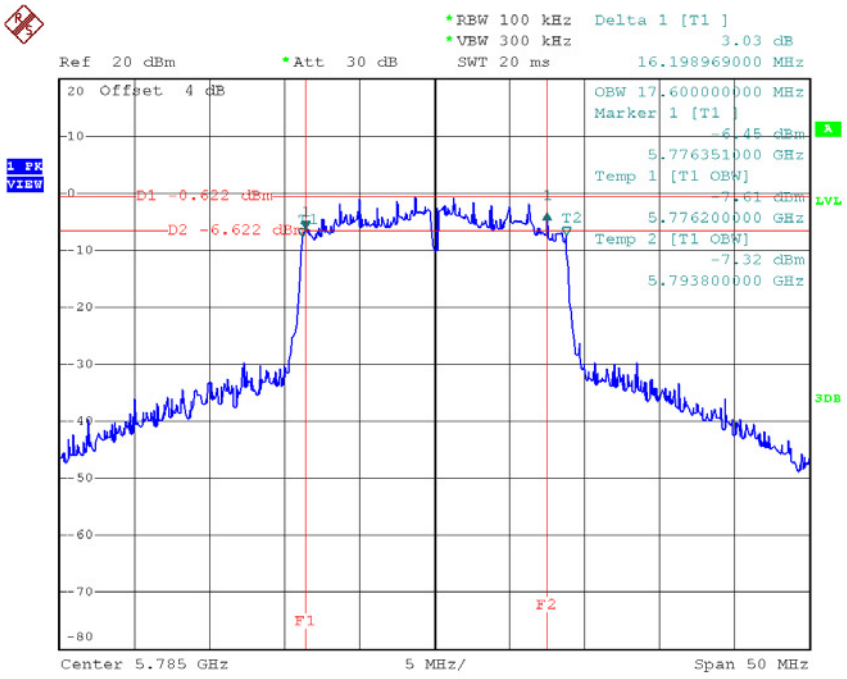
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	15.15	17.60	>=500
CH157	5785	16.20	17.60	>=500
CH165	5825	15.15	17.60	>=500

TX CH 149

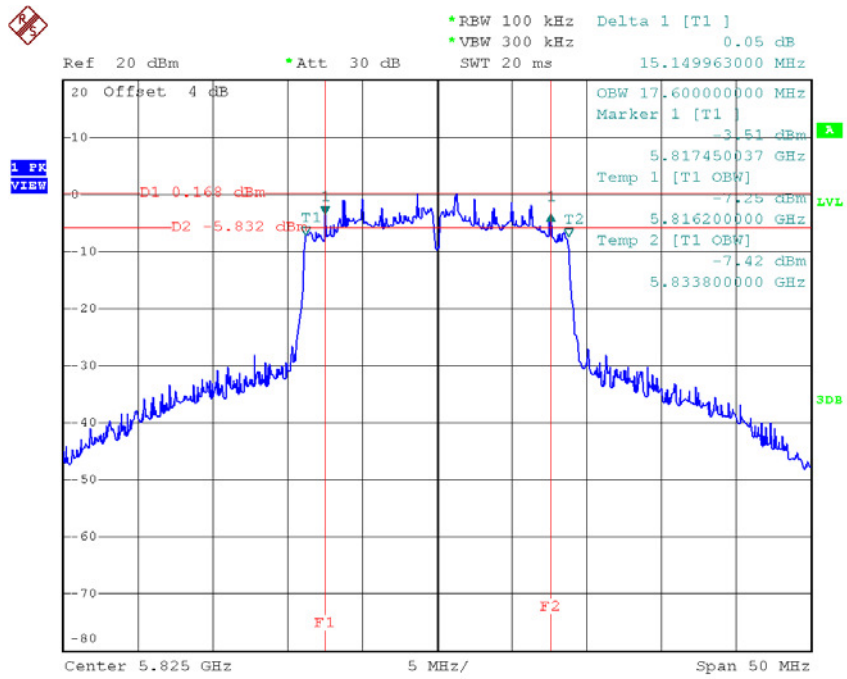


TX CH 157



Date: 24.JAN.2017 10:02:05

TX CH 165



Date: 24.JAN.2017 10:03:21

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	12.71	0.12	12.83	30.00	1.00
CH40	5200	12.80	0.12	12.92	30.00	1.00
CH48	5240	13.15	0.12	13.27	30.00	1.00

Test Mode: UNII-1/TX N20 Mode						

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	12.71	0.16	12.87	30.00	1.00
CH40	5200	11.38	0.16	11.54	30.00	1.00
CH48	5240	13.15	0.16	13.31	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	15.14	0.12	15.26	30.00	1.00
CH157	5785	14.91	0.12	15.03	30.00	1.00
CH165	5825	14.82	0.12	14.94	30.00	1.00

Test Mode: UNII-3/TX N20 Mode						

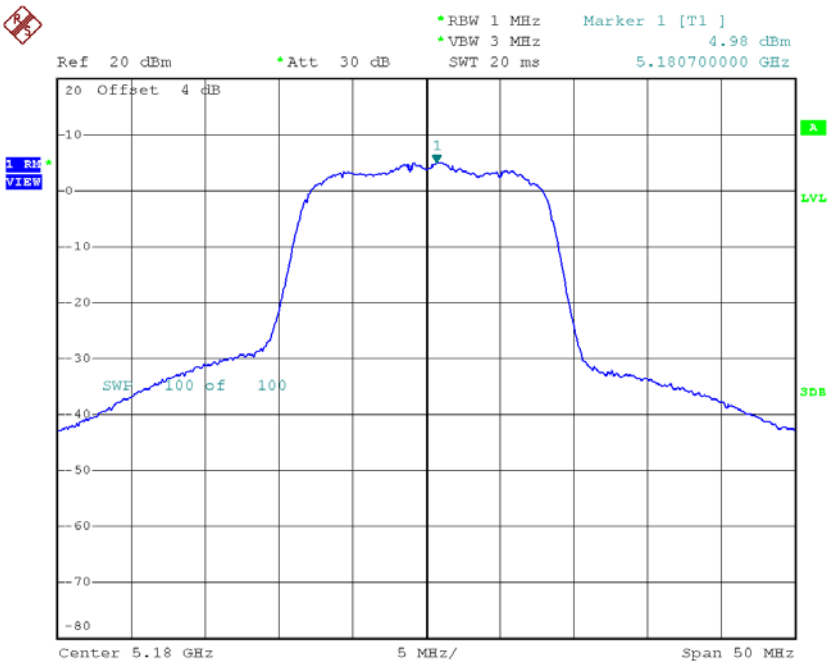
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	14.20	0.16	14.36	30.00	1.00
CH157	5785	14.01	0.16	14.17	30.00	1.00
CH165	5825	13.85	0.16	14.01	30.00	1.00

ATTACHMENT G - POWER SPECTRAL DENSITY

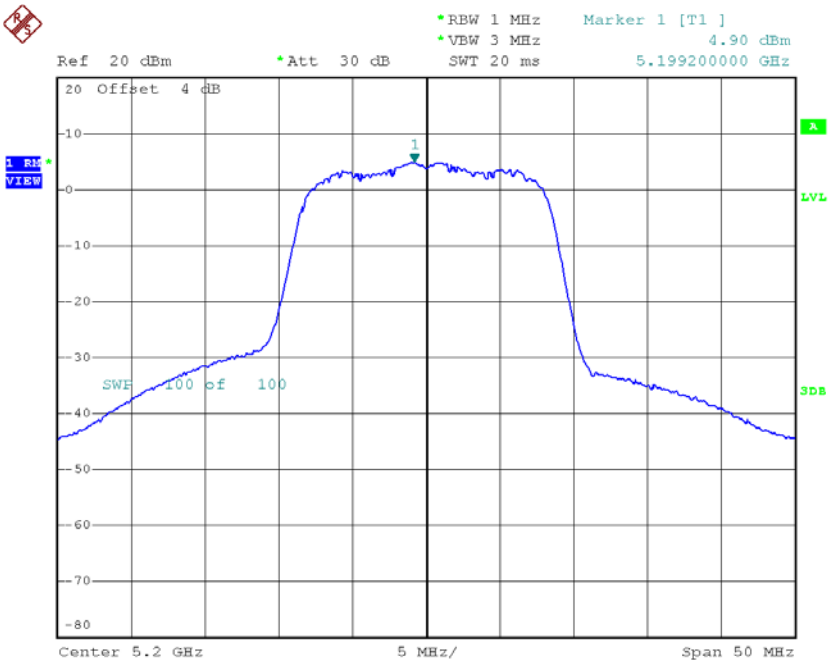
Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	4.98	0.12	5.10	17.00
CH40	5200	4.90	0.12	5.02	17.00
CH48	5240	4.72	0.12	4.84	17.00

CH36

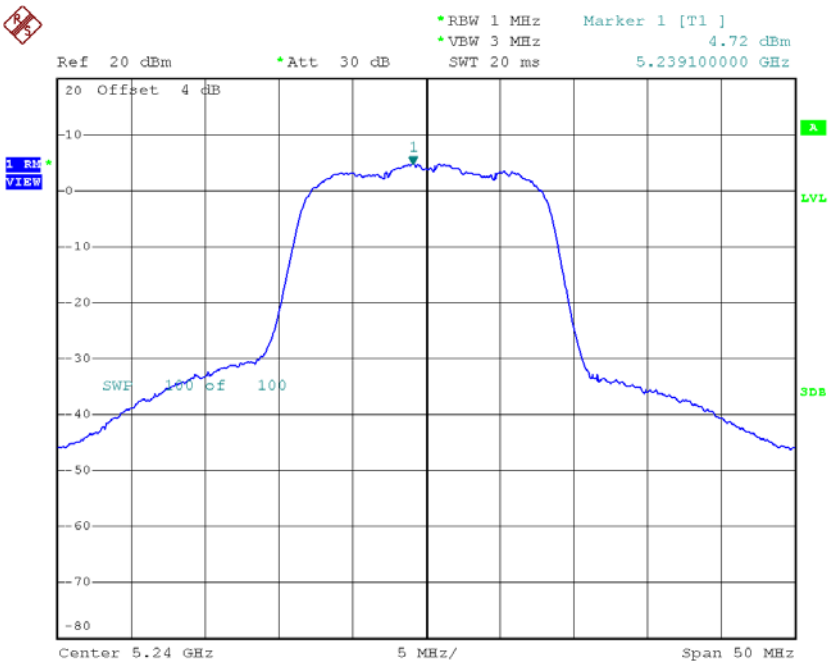


CH40



Date: 24.JAN.2017 09:21:57

CH48

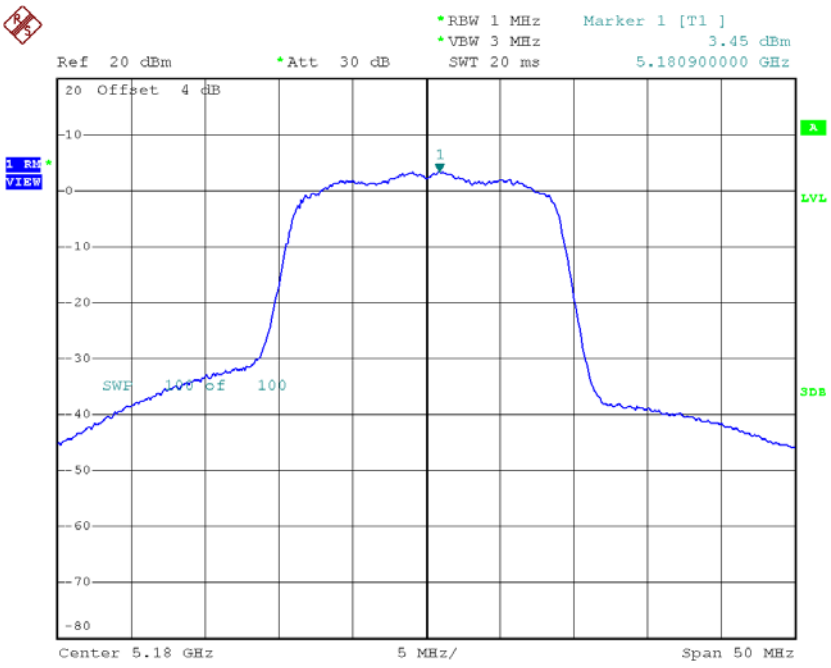


Date: 24.JAN.2017 09:23:12

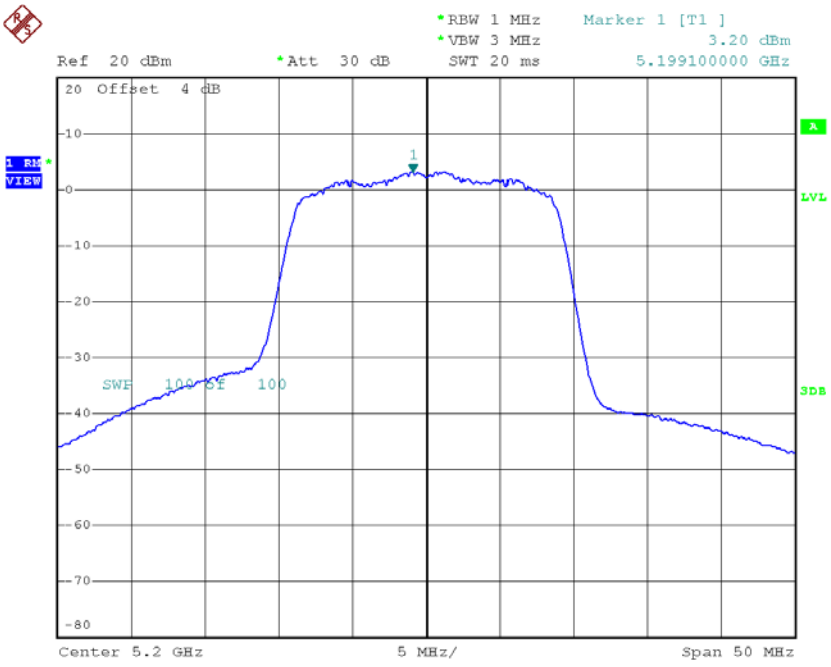
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	3.45	0.16	3.61	17.00
CH40	5200	3.20	0.16	3.36	17.00
CH48	5240	3.11	0.16	3.27	17.00

CH36

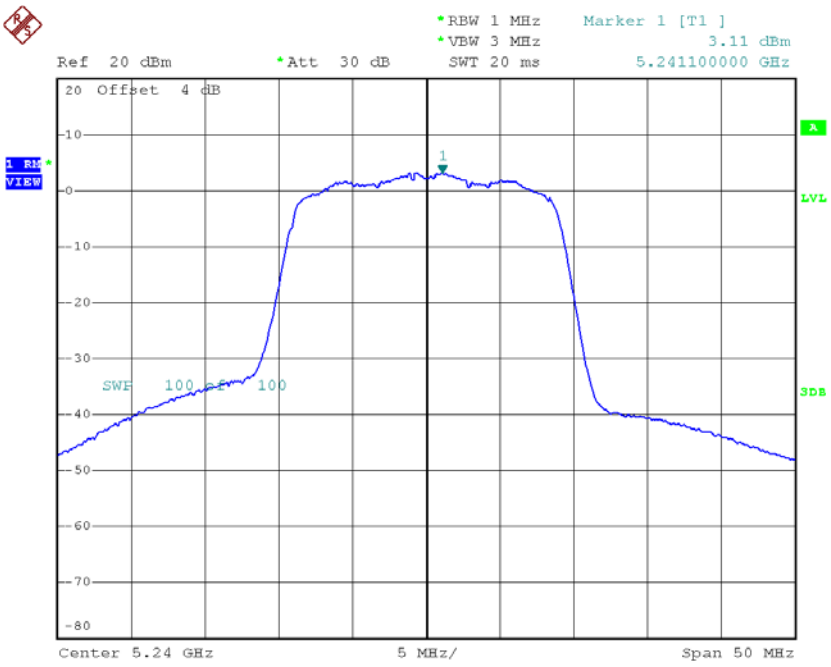


CH40



Date: 24.JAN.2017 09:51:00

CH48

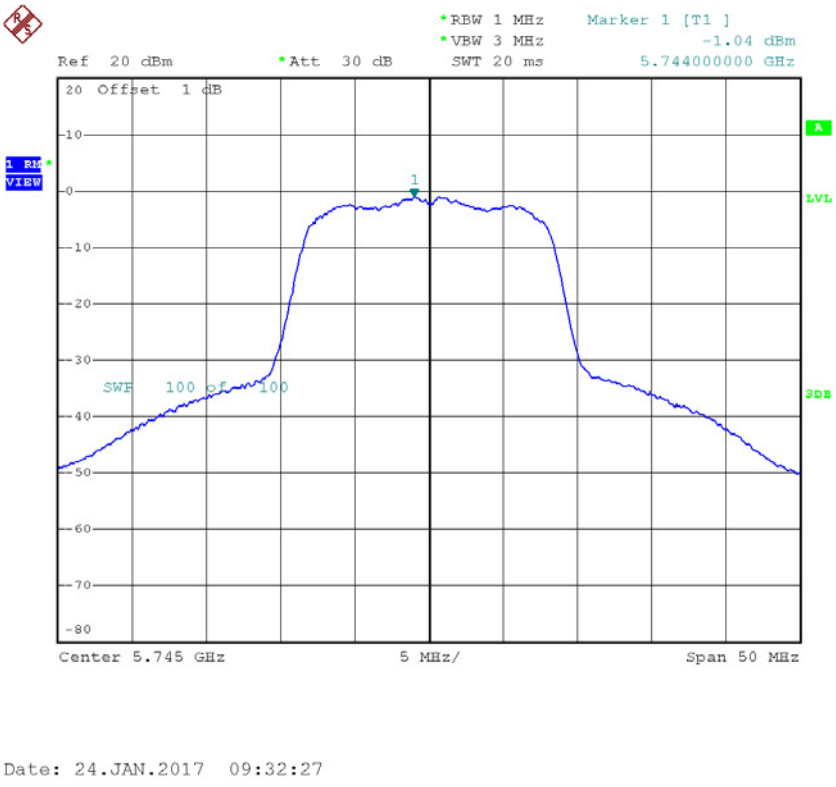


Date: 24.JAN.2017 09:52:32

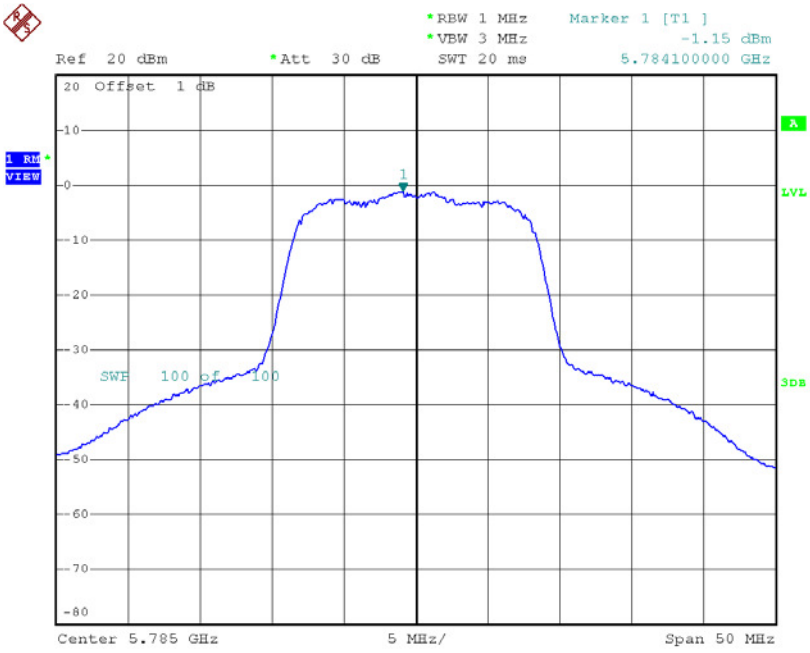
Test Mode: UNII-3/TX A Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	-1.04	0.12	-0.92	30.00
CH157	5785	-1.15	0.12	-1.03	30.00
CH165	5825	-1.03	0.12	-0.91	30.00

TX CH149

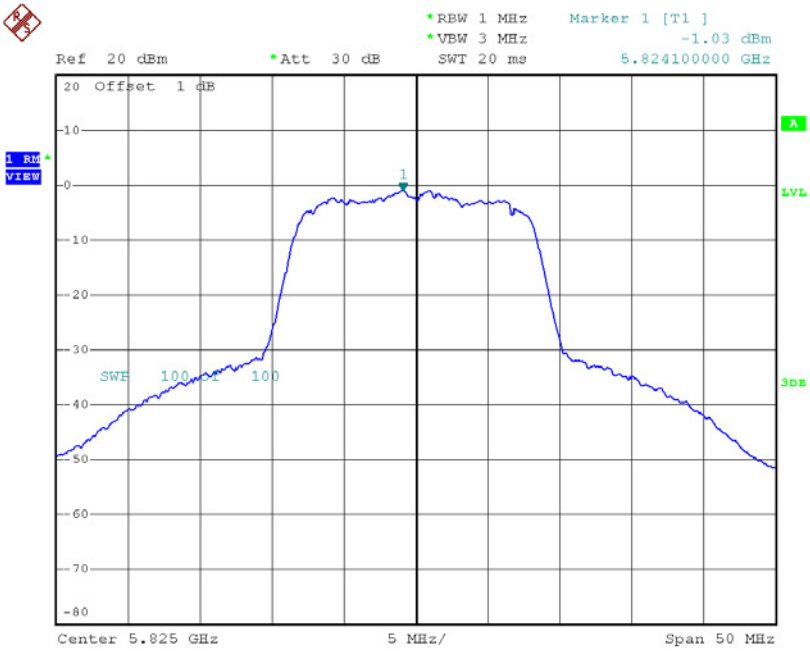


TX CH157



Date: 24.JAN.2017 09:37:51

TX CH165

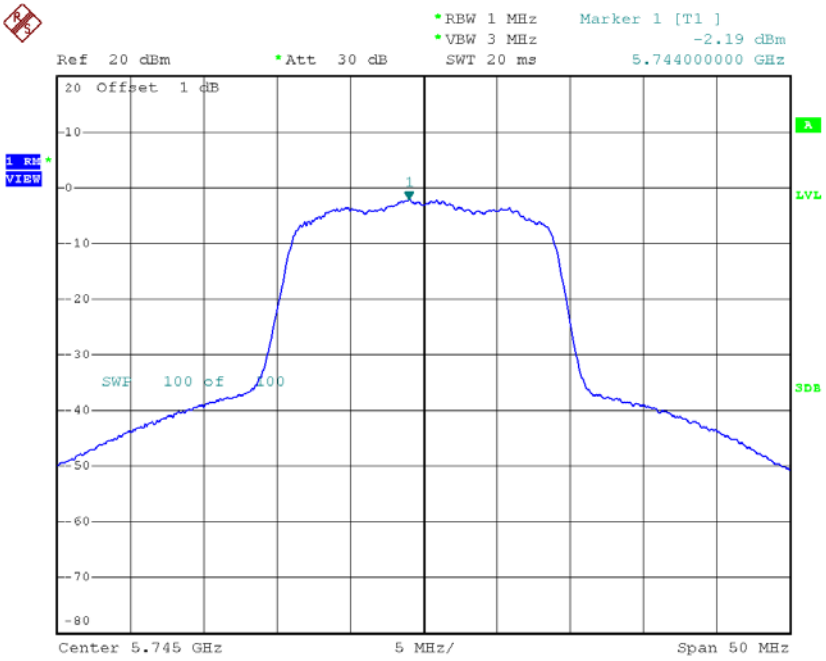


Date: 24.JAN.2017 09:40:14

Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165

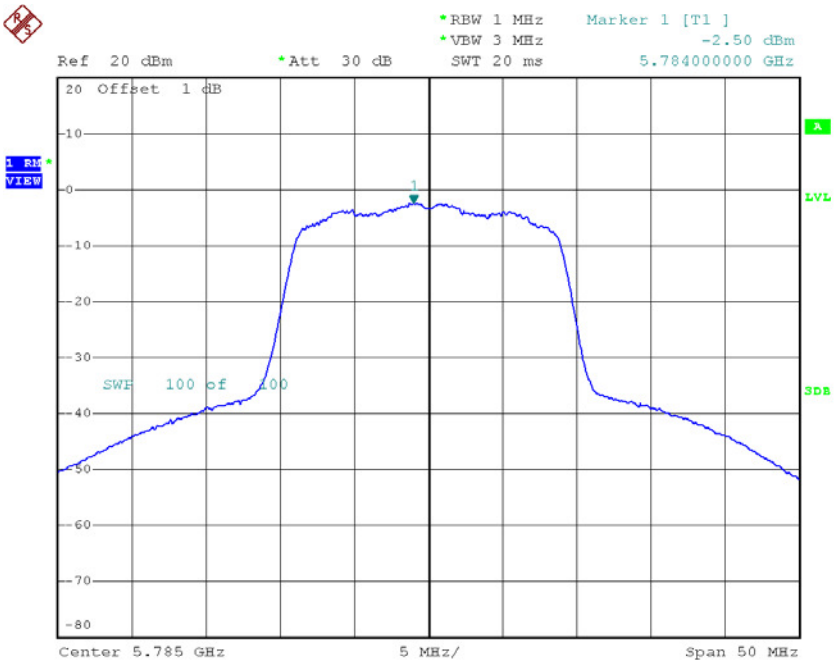
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	-2.19	0.16	-2.03	30.00
CH157	5785	-2.50	0.16	-2.34	30.00
CH165	5825	-2.50	0.16	-2.34	30.00

TX CH149



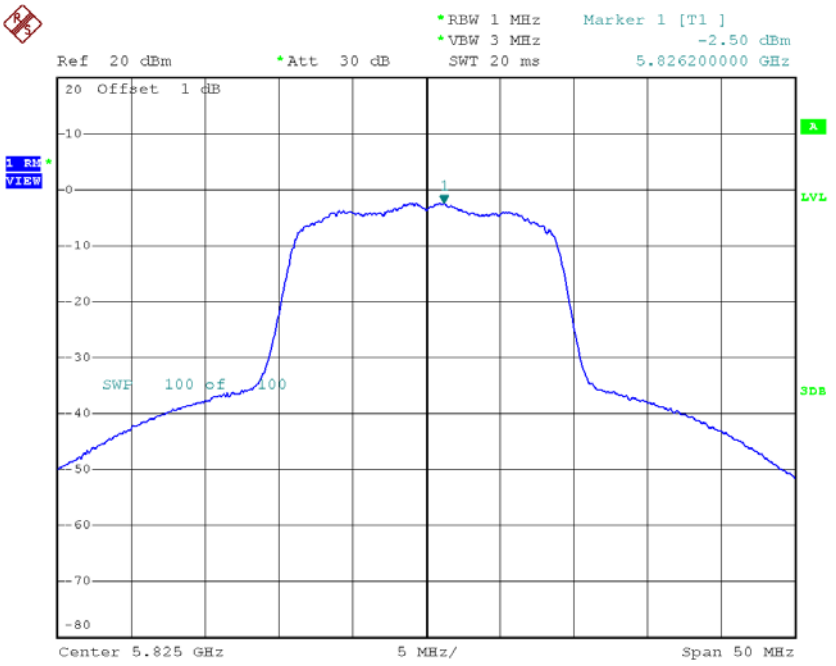
Date: 24.JAN.2017 10:00:45

TX CH157



Date: 24.JAN.2017 10:02:15

TX CH165



Date: 24.JAN.2017 10:03:30

ATTACHMENT H - FREQUENCY STABILITY

Test Mode:	UNII-1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
132	5179.9950
120	5180.0150
108	5179.9799
Max. Deviation (MHz)	0.0201
Max. Deviation (ppm)	3.8803

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5180.0000
-5	5180.0150
5	5180.0000
15	5180.0200
25	5179.9950
35	5179.9900
45	5179.9799
50	5180.0000
Max. Deviation (MHz)	0.0201
Max. Deviation (ppm)	3.8803

Test Mode:	UNII-3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
132	5744.9948
120	5745.0148
108	5744.9948
Max. Deviation (MHz)	0.0052
Max. Deviation (ppm)	0.9051

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5745.0000
-5	5744.9748
5	5744.9800
15	5744.9800
25	5745.0000
35	5744.9948
45	5745.0151
50	5744.9799
Max. Deviation (MHz)	0.0252
Max. Deviation (ppm)	4.3864