

FCC Radio Test Report

FCC ID: PJZ6768

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

Project No. : 1609C026
Equipment : XDSL 4 Port WiFi 802.11ac Gateway
Model Name : 6768-W1YXX, 6768-W1YXXYXXX, 400-01422-XX
(where X can be 0~9 or A~Z or blank, and Y can be dash or blank)
Applicant : DASAN Zhone Solutions, Inc.
Address : 7195 Oakport Street, Oakland, CA 94621. USA

Date of Receipt : Sep. 08, 2016
Date of Test : Sep. 08, 2016 ~ Oct. 27, 2016
Issued Date : Oct. 28, 2016
Tested by : BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1609C026	Original Issue.	Oct. 28, 2016

1. CERTIFICATION

Equipment : XDSL 4 Port WiFi 802.11ac Gateway

Brand Name : 
DASAN Zhone Solutions

Model Name : 6768-W1YXX, 6768-W1YXXYXXX, 400-01422-XX (where X can be 0~9 or A~Z or blank, and Y can be dash or blank)

Applicant : DASAN Zhone Solutions, Inc.

Manufacturer : DASAN Zhone Solutions, Inc.

Address : 7195 Oakport Street, Oakland, CA 94621. USA

Factory : 1). Shenzhen Gongjin Electronics Co.,Ltd
2).Taicang T&W Electronics Co.,Ltd

Address : 1) No 2&3 Buildings, Mingwei Factory Area, Songgang Road West,No. A Building, 1#Songgang Road Songgang Sub-District,Shenzhen, Guangdong,518105,P.R.China

2) Jiangnan Road 89, Loudong Street , Taicang ,Jiangsu, 215412,P.R.China

Date of Test : Sep. 08, 2016 ~ Oct. 27, 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-2-1609C026) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E			
Standard(s) Section	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 $y \pm U$, 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	1.94


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	XDSL 4 Port WiFi 802.11ac Gateway	
Brand Name	 DASAN Zhone Solutions	
Model Name	6768-W1YXX, 6768-W1YXXYXXX, 400-01422-XX	
Mode Different	where X can be 0~9 or A~Z or blank, and Y can be dash or blank	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	1.3GMbps
	Output Power (Max.)for UNII-1	802.11a: 22.38dBm 802.11n (20M): 24.81dBm 802.11n (40M): 28.04dBm 802.11ac (20M): 25.26dBm 802.11ac (40M): 27.74dBm 802.11ac (80M): 27.84dBm
	Output Power (Max.)for UNII-3	802.11a: 27.41dBm 802.11n (20M): 27.47dBm 802.11n (40M): 28.71dBm 802.11ac (20M): 28.68dBm 802.11ac (40M): 28.77dBm 802.11ac (80M): 28.18dBm
Power Source	DC voltage supplied from AC/DC adapter. Manufacturer: Shenzhen Gongjin Electronics Co.,Ltd.	
Power Rating	Input: 100-240V ~50/60Hz Max 1.0A Output:12V---2.5A	

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- 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.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
10	Airgain	M5X35T	PCB	N/A	2.8	N/A
20	Airgain	M5X35T	PCB	N/A	2.8	N/A
30	Airgain	M5X35T	PCB	N/A	2.8	N/A

Note:

The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and receivers (3T3R), all transmit signals are completely uncorrelated, then,

Direction gain = G_{ANT}, that is Directional gain=2.8.

4. Operating Mode

TX Mode	1TX	3TX
	802.11a	V (ANT 10)
802.11n (20MHz)	-	V (ANT+10 ANT 20+ANT 30)
802.11n (40MHz)	-	V (ANT+10 ANT 20+ANT 30)
802.11ac (20MHz)	-	V (ANT+10 ANT 20+ANT 30)
802.11ac (40MHz)	-	V (ANT+10 ANT 20+ANT 30)
802.11ac (80MHz)	-	V (ANT+10 ANT 20+ANT 30)

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

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

Note:

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

3.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

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

UNII-1 - 1TX			
Test Software Version	MTool_2.0.2.7		
Frequency (MHz)	5180	5200	5240
A Mode	94	92	92

UNII-3 - 1TX			
Test Software Version	MTool_2.0.2.7		
Frequency (MHz)	5745	5785	5825
A Mode	98	98	104

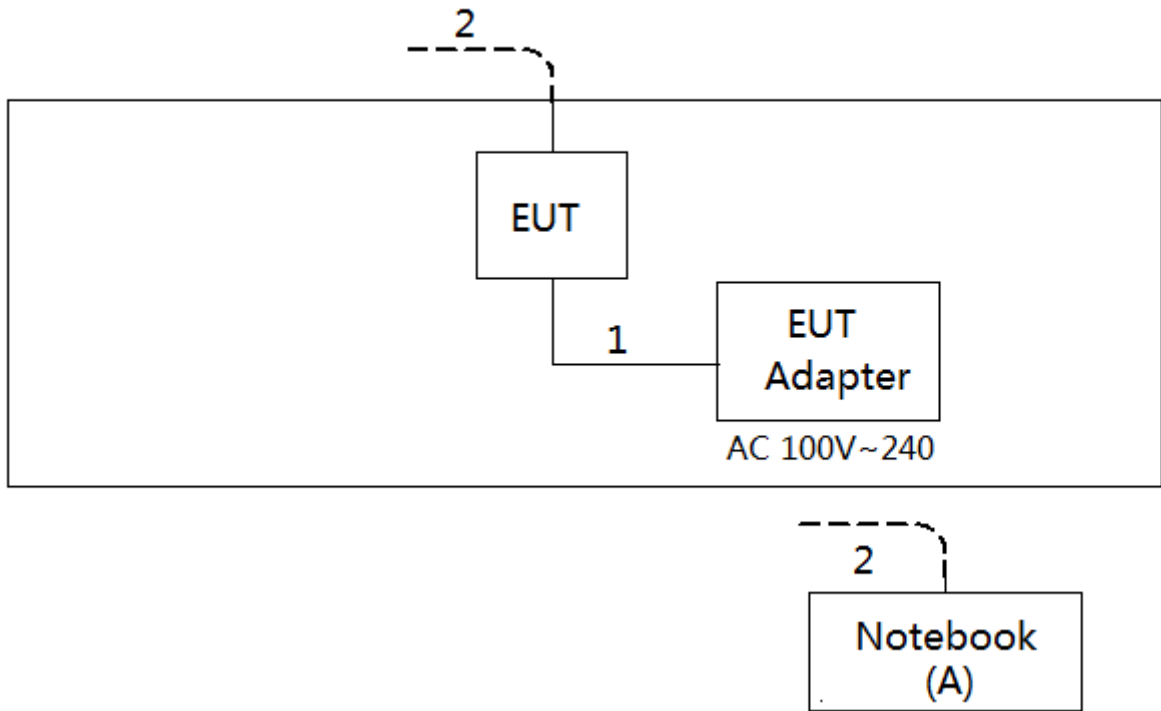
UNII-1 - 3TX			
Test Software Version	MTool_2.0.2.7		
Frequency (MHz)	5180	5200	5240
N20 Mode	85	88	90
Frequency (MHz)	5190	5230	
N40 Mode	85	100	

UNII-3 - 3TX			
Test Software Version	MTool_2.0.2.7		
Frequency (MHz)	5745	5785	5825
N20 Mode	89	89	90
Frequency (MHz)	5755	5795	
N40 Mode	91	92	

UNII-1 - 3TX			
Test Software Version	MTool_2.0.2.7		
Frequency (MHz)	5180	5200	5240
AC20 Mode	83	85	87
Frequency (MHz)	5190	5230	
AC40 Mode	85	90	
Frequency (MHz)	5210		
AC80 Mode	83		

UNII-3 - 3TX			
Test Software Version	MTool_2.0.2.7		
Frequency (MHz)	5745	5785	5825
AC20 Mode	87	88	88
Frequency (MHz)	5755	5795	
AC40 Mode	80	81	
Frequency (MHz)	5775		
AC80 Mode	73		

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	DCSM	DOC	G7K832X

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

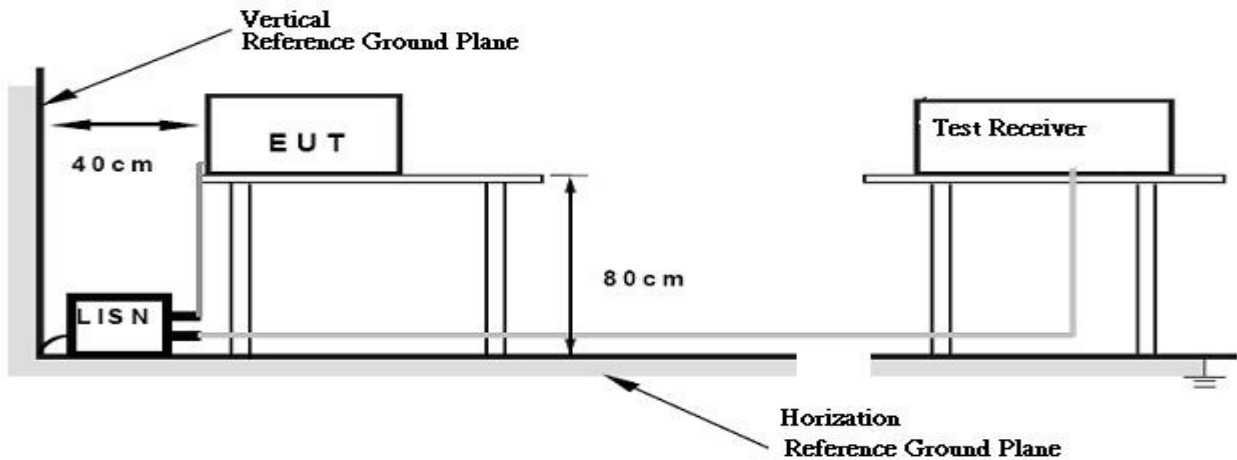
4.1.2 TEST PROCEDURE

- 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 (microrvolts/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: $E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m}$, 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 the band 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 or below 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

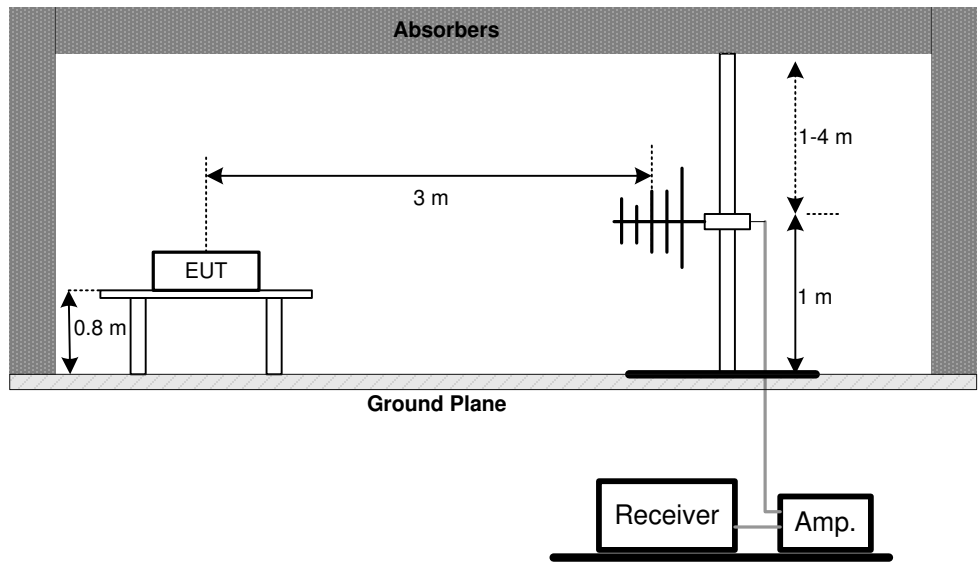
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

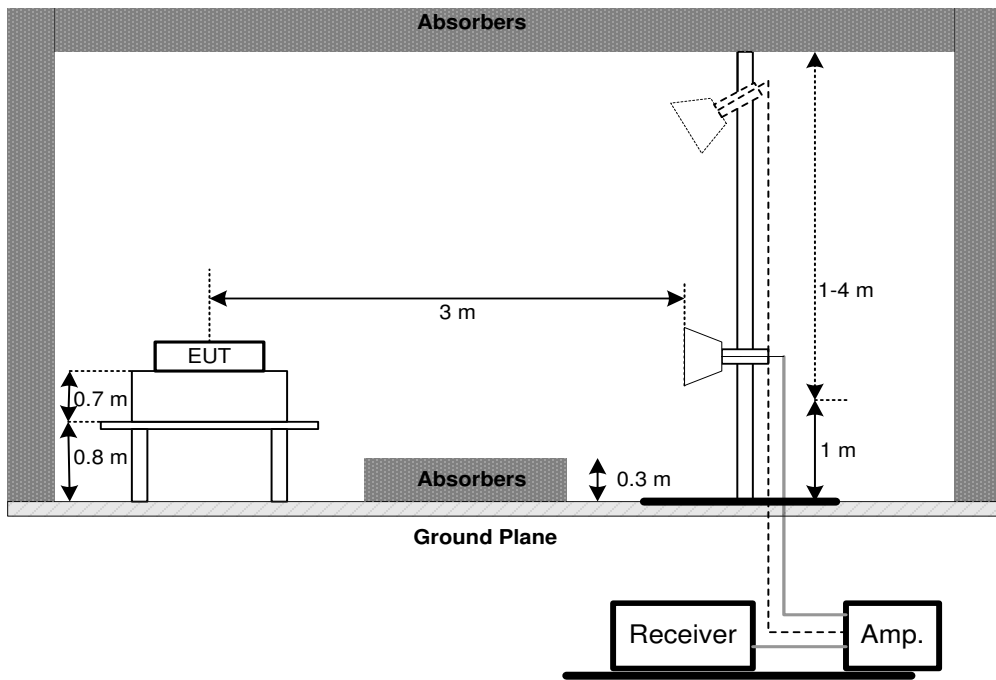
No deviation

4.2.4 TEST SETUP

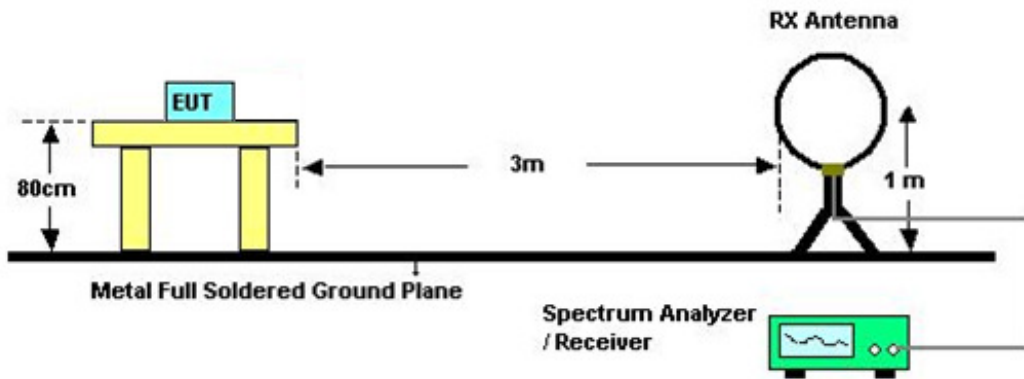
(A) Radiated Emission Test Set-Up Frequency Below 1GHz



(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 = $40 \log (\text{specific distance} / \text{test distance})$ (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
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) 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

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

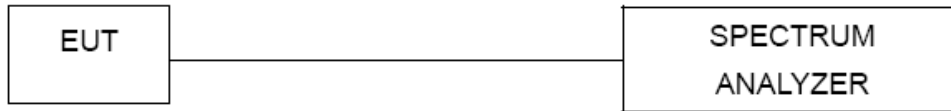
Note:

- 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.
- The value measured with RBW=1MHz is to be added with $10\log(500\text{kHz}/1\text{MHz})$ 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
FSpecified in the user's manualSpecified in the user's manualfrequency 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

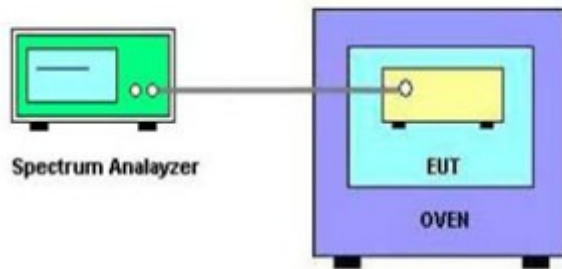
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the 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	0052765	Mar. 27, 2017
2	LISN	R&S	ENV216	101447	Mar. 27, 2017
3	Test Cable	emci	RG223(9KHz-30 MHz)	C_17	Mar. 10, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 27, 2017
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	Schwarzbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Nov. 09, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Oct. 10, 2017
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 26, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 27, 2017
8	Amplifier	Agilent	8449B	3008A02274	Nov. 01, 2016
9	Receiver	AGILENT	N9038A	MY52130039	Oct. 10, 2017
10	Test Cable	emci	EMC104-SM-S M-10000(1GHz-26.5GHz)	C-68	Jun. 26, 2017
11	Controller	CT	SC100	N/A	N/A
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
13	Microwave Pre-amplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
14	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
15	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 10, 2017

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Oct. 25, 2017
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Oct. 25, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 10, 2017

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Oct. 10, 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



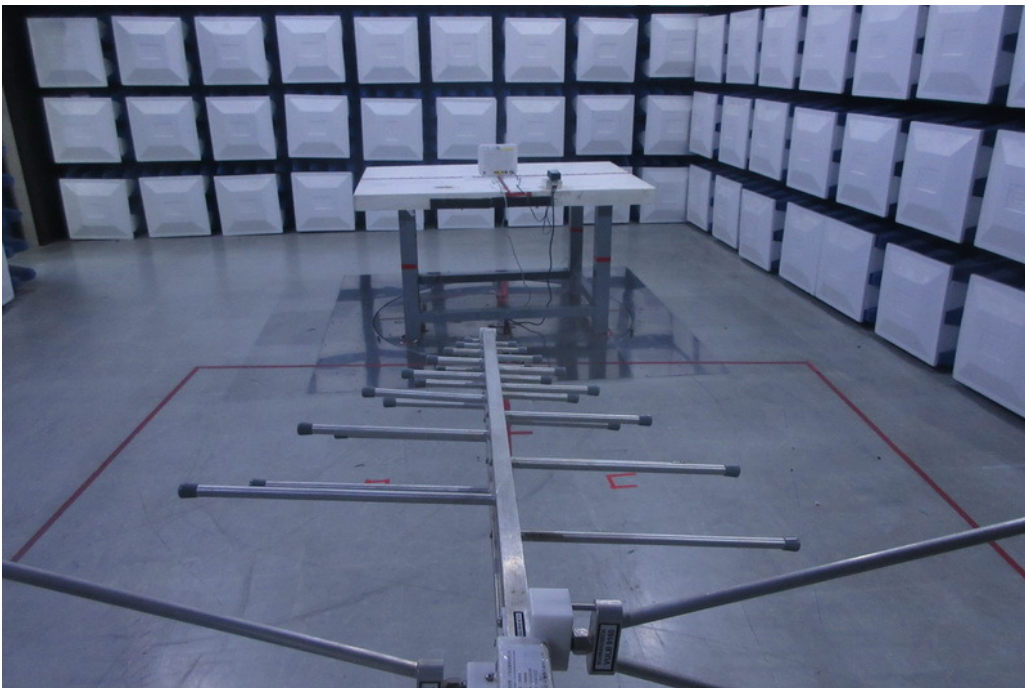
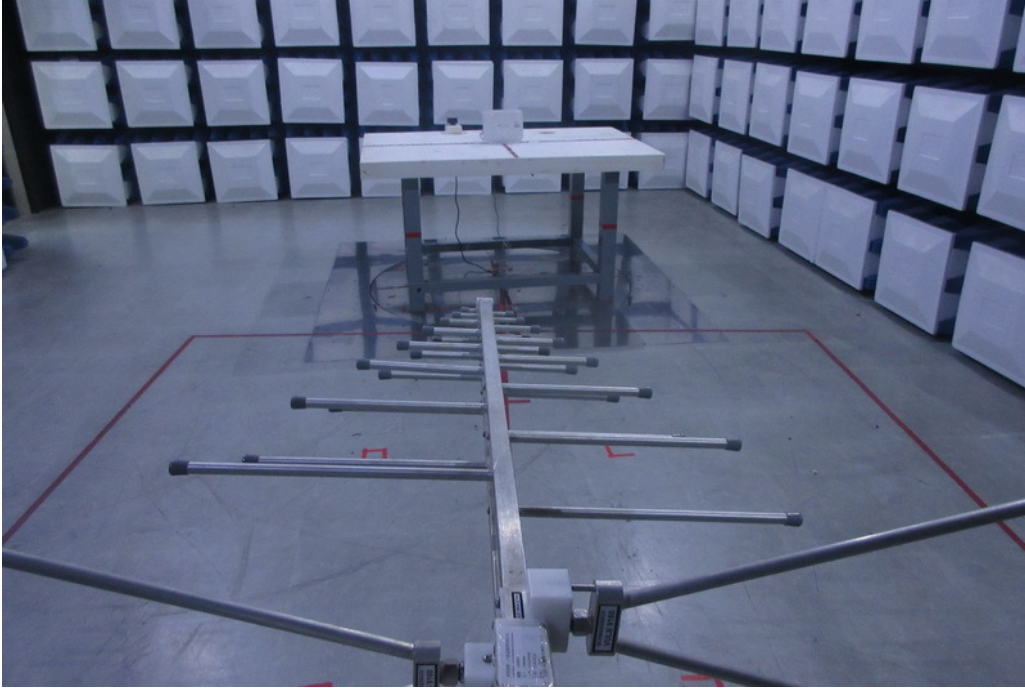
Radiated Measurement Photos

9kHz to 30MHz



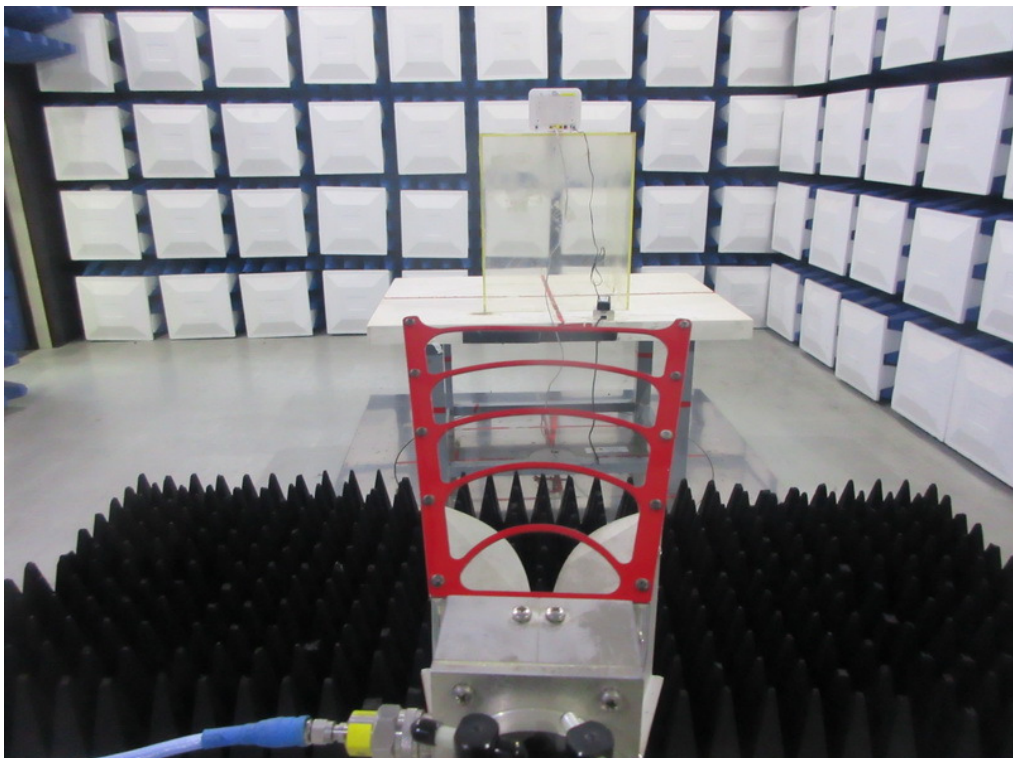
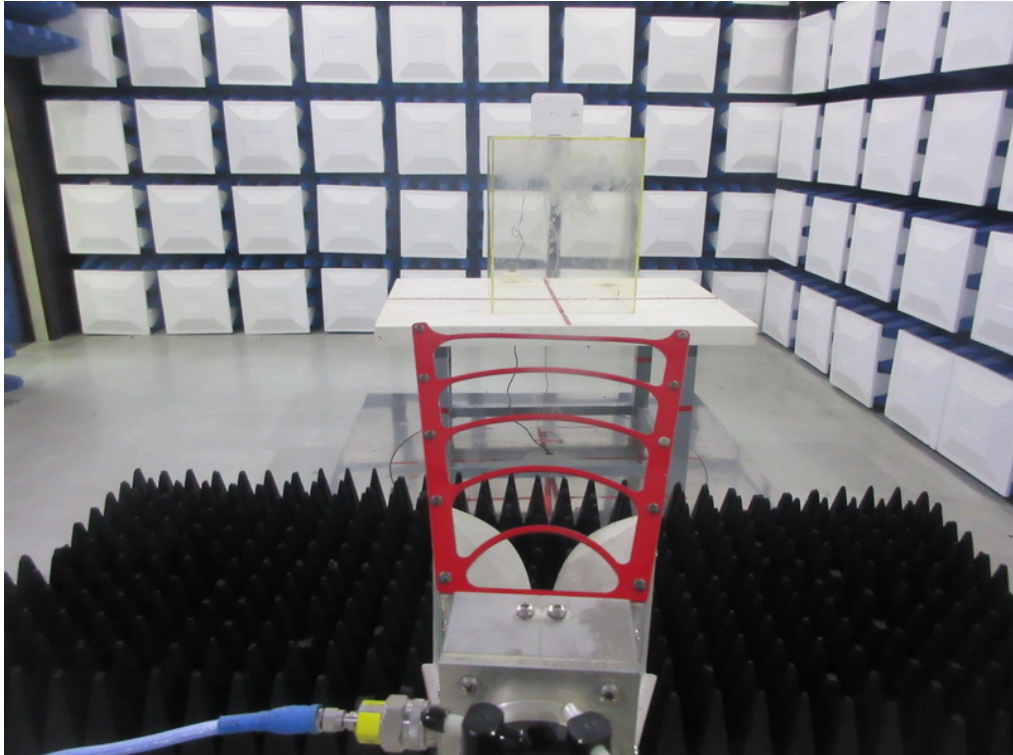
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

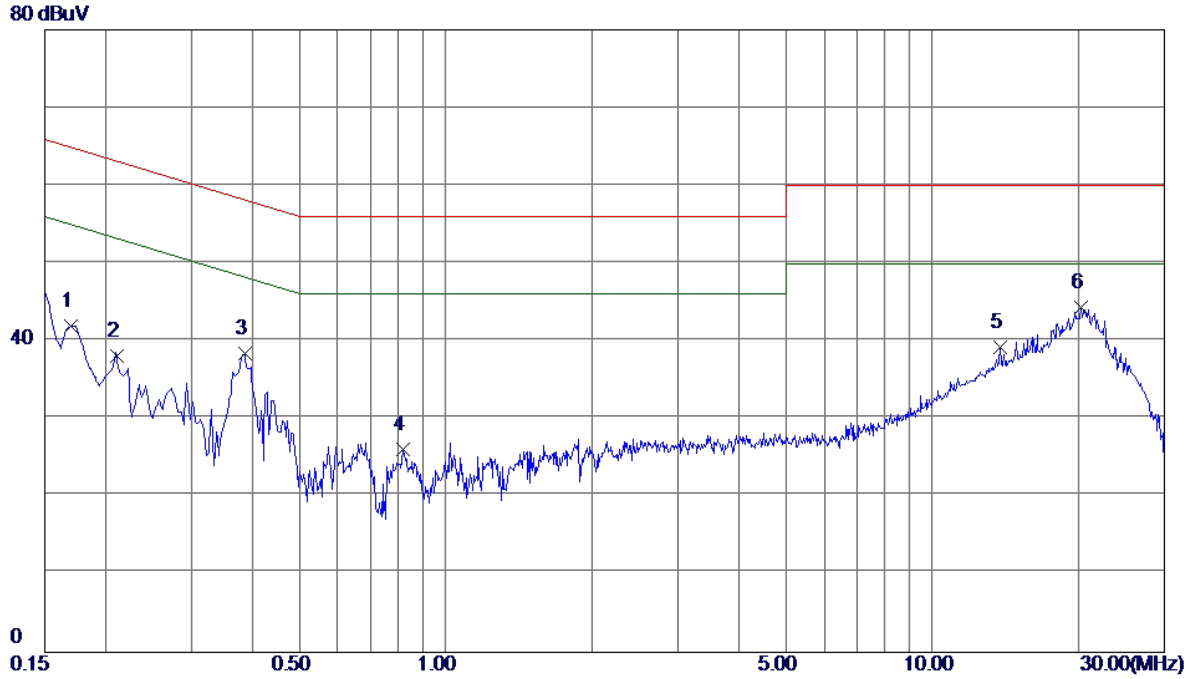
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX MODE

Line

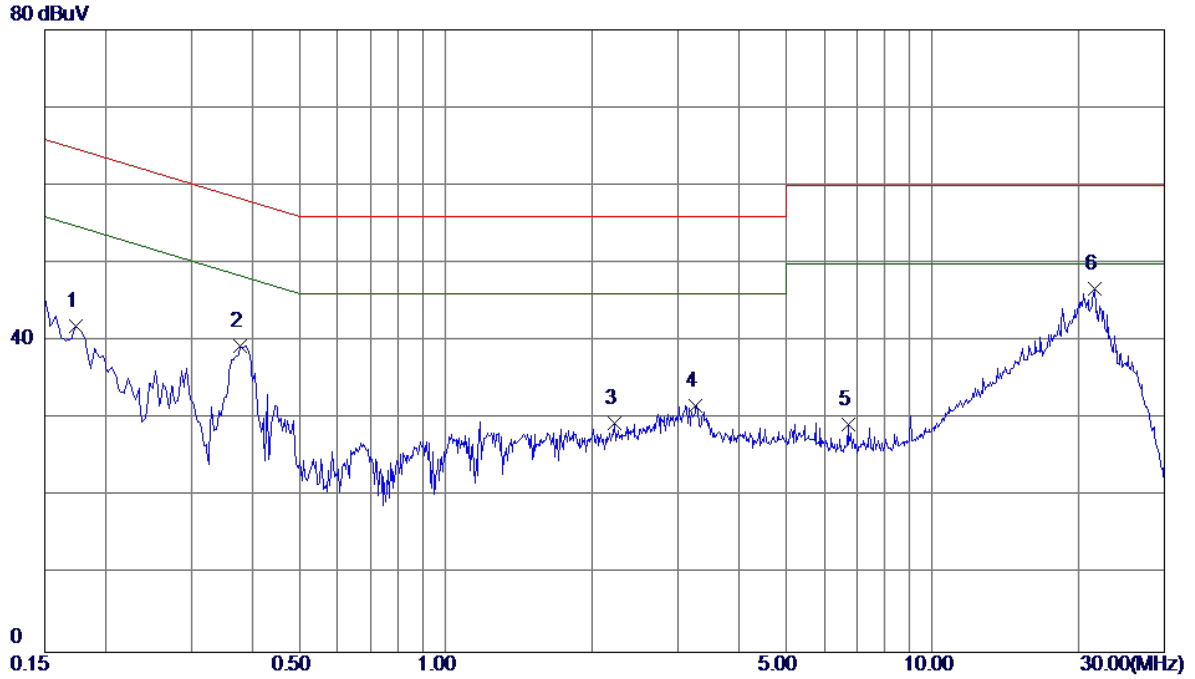


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1700	32.47	9.52	41.99	64.96	-22.97	Peak	
2	0.2106	28.61	9.53	38.14	63.18	-25.04	Peak	
3	0.3860	28.85	9.54	38.39	58.15	-19.76	Peak	
4	0.8180	16.35	9.75	26.10	56.00	-29.90	Peak	
5	13.7780	28.90	10.32	39.22	60.00	-20.78	Peak	
6 *	20.1980	33.91	10.40	44.31	60.00	-15.69	Peak	

Note : The test result has included the cable loss.

Test Mode: TX MODE

Neutral



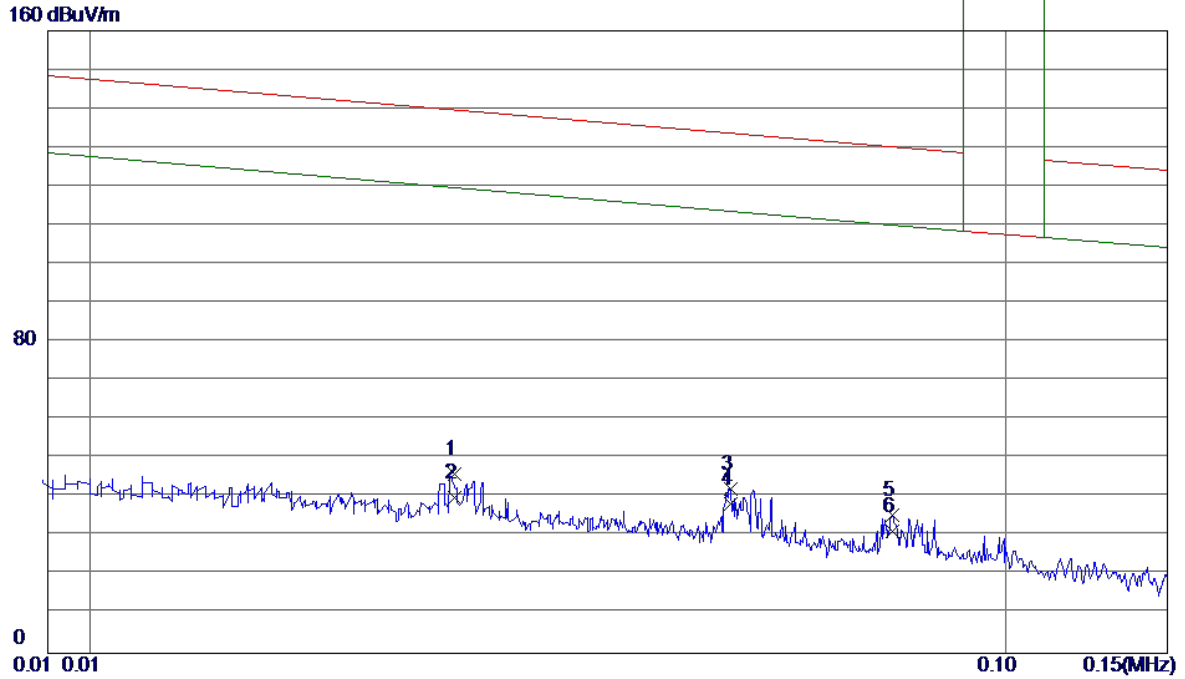
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1740	32.48	9.44	41.92	64.77	-22.85	Peak	
2	0.3780	29.87	9.48	39.35	58.32	-18.97	Peak	
3	2.2180	19.70	9.73	29.43	56.00	-26.57	Peak	
4	3.2659	21.83	9.82	31.65	56.00	-24.35	Peak	
5	6.7180	19.38	9.96	29.34	60.00	-30.66	Peak	
6 *	21.5419	36.26	10.51	46.77	60.00	-13.23	Peak	

Note : The test result has included the cable loss.

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

Test Mode: TX MODE

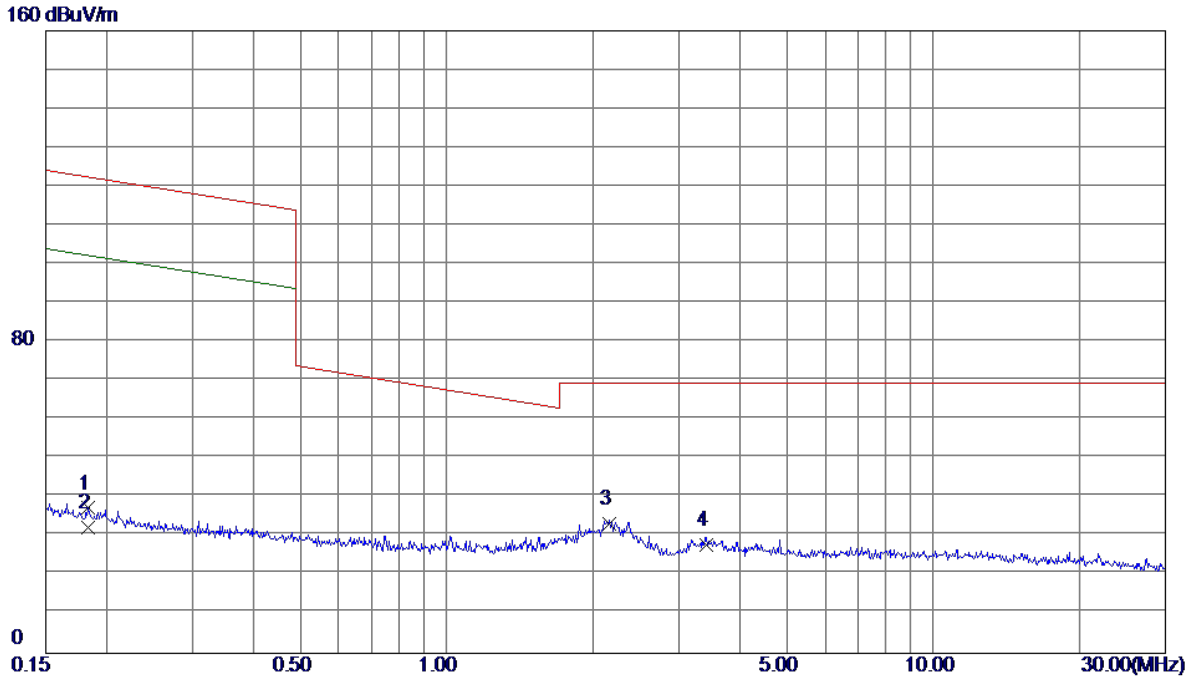
Ant 0°



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0250	23.08	22.91	45.99	144.54	-98.55	Peak	
2	0.0250	17.23	22.91	40.14	124.54	-84.40	AVG	
3	0.0500	22.48	19.82	42.30	138.37	-96.07	Peak	
4 *	0.0500	18.65	19.82	38.47	118.37	-79.90	AVG	
5	0.0752	16.16	19.51	35.67	132.15	-96.48	Peak	
6	0.0752	11.85	19.51	31.36	112.15	-80.79	AVG	

Test Mode: TX MODE

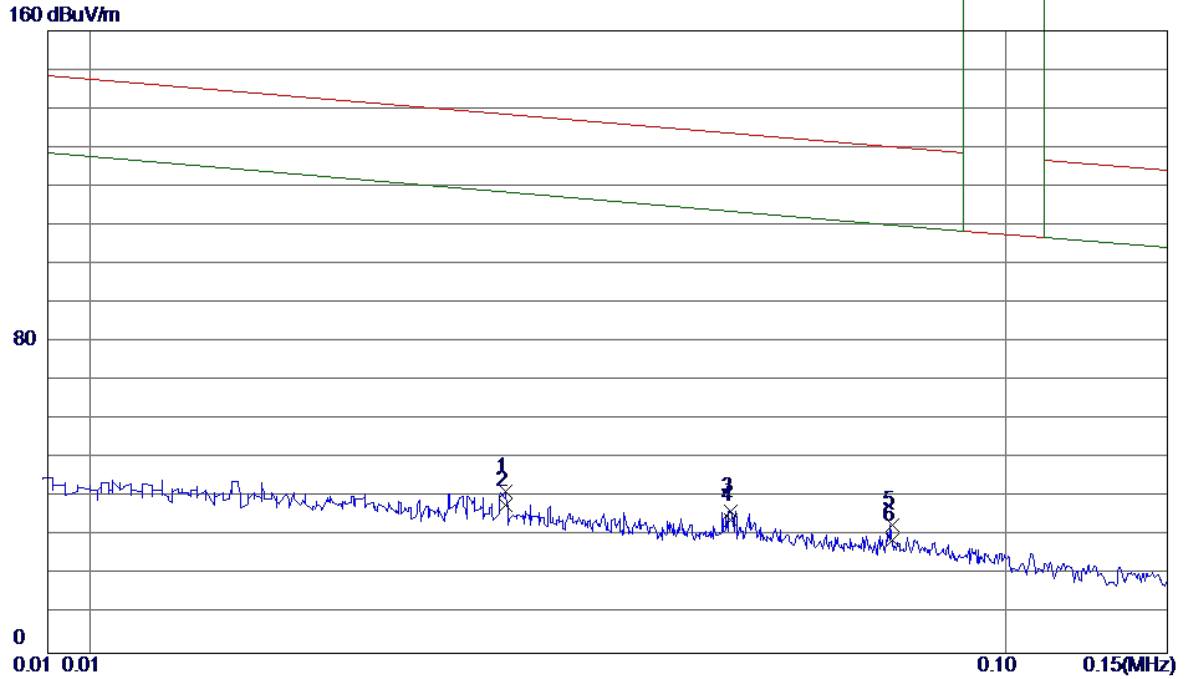
Ant 0°



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.1835	18.57	18.71	37.28	124.27	-86.99	Peak	
2	0.1835	13.57	18.71	32.28	104.27	-71.99	AVG	
3 *	2.1552	15.42	17.71	33.13	69.54	-36.41	QP	
4	3.4174	10.30	17.52	27.82	69.54	-41.72	QP	

Test Mode: TX MODE

Ant 90°

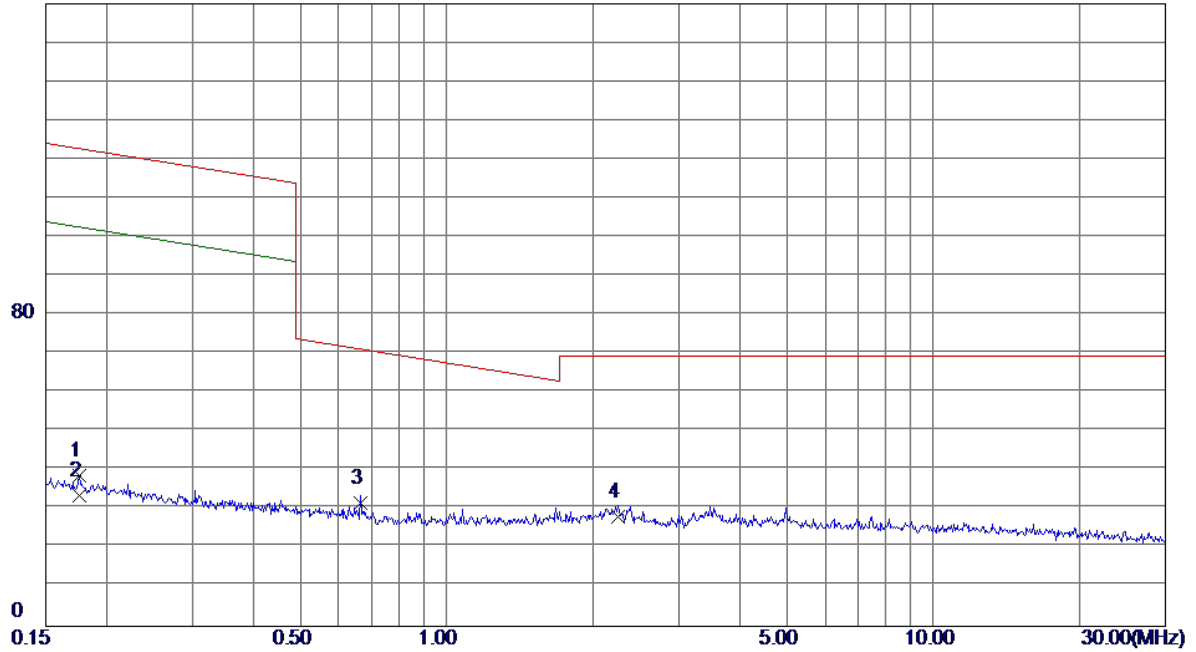


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0284	19.05	22.49	41.54	143.71	-102.17	Peak	
2	0.0284	15.65	22.49	38.14	123.71	-85.57	AVG	
3	0.0500	16.67	19.82	36.49	138.37	-101.88	Peak	
4	0.0500	14.32	19.82	34.14	118.37	-84.23	AVG	
5	0.0751	13.46	19.52	32.98	132.17	-99.19	Peak	
6 *	0.0751	9.66	19.52	29.18	112.17	-82.99	AVG	

Test Mode: TX MODE

Ant 90°

160 dBuV/m

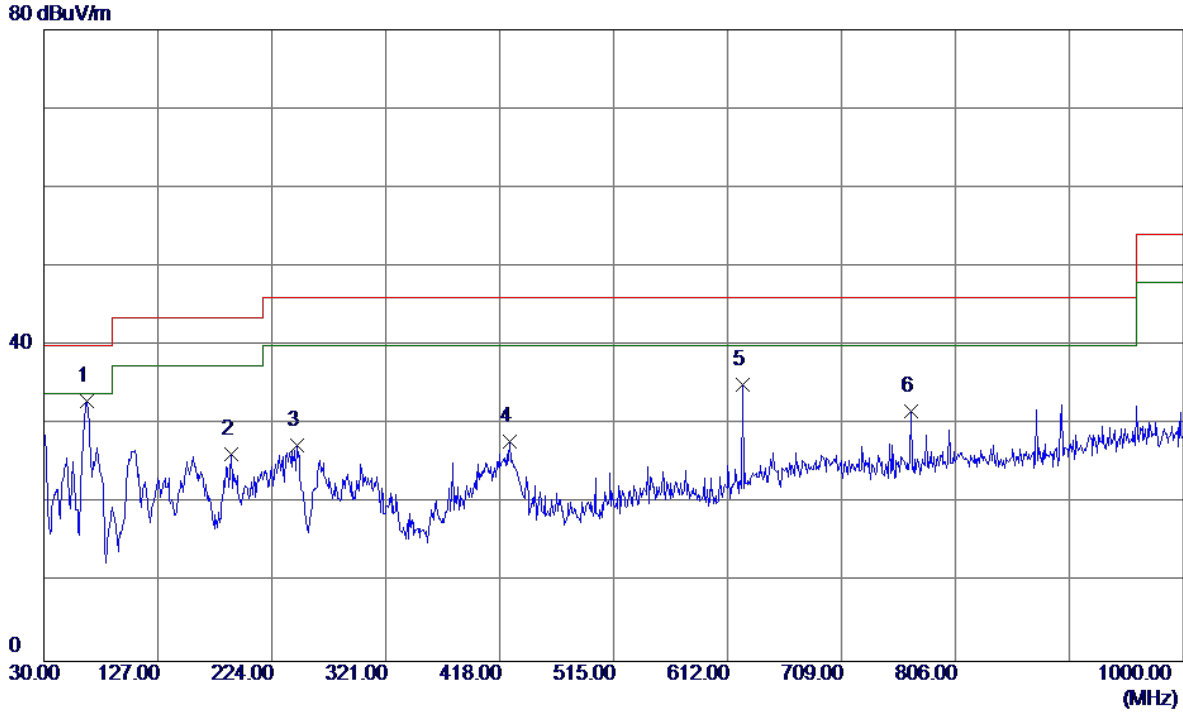


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.1758	20.01	18.72	38.73	124.53	-85.80	Peak	
2	0.1758	14.89	18.72	33.61	104.53	-70.92	AVG	
3 *	0.6648	13.24	18.44	31.68	72.24	-40.56	QP	
4	2.2486	10.59	17.59	28.18	69.54	-41.36	QP	

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

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

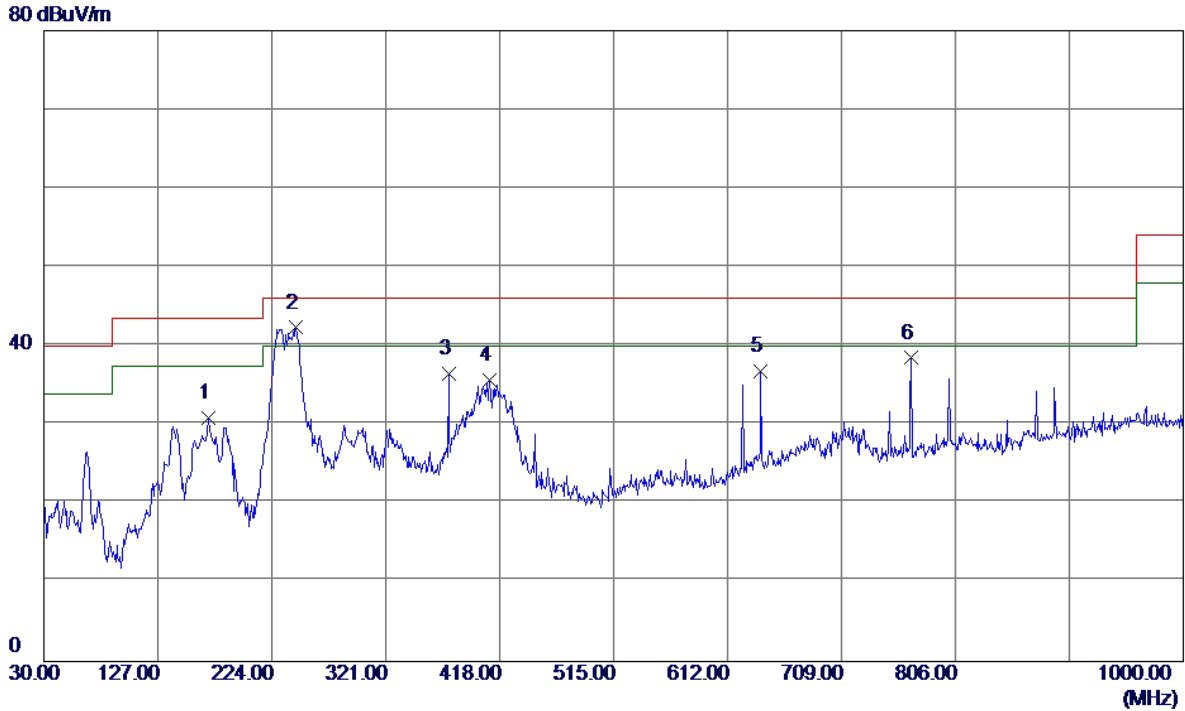
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	66.8600	47.24	-14.29	32.95	40.00	-7.05	Peak	
2	189.5650	39.33	-13.15	26.18	43.50	-17.32	Peak	
3	245.3400	40.76	-13.36	27.40	46.00	-18.60	Peak	
4	426.7300	34.90	-7.13	27.77	46.00	-18.23	Peak	
5	625.0950	38.27	-3.25	35.02	46.00	-10.98	Peak	
6	768.1700	32.01	-0.33	31.68	46.00	-14.32	Peak	

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

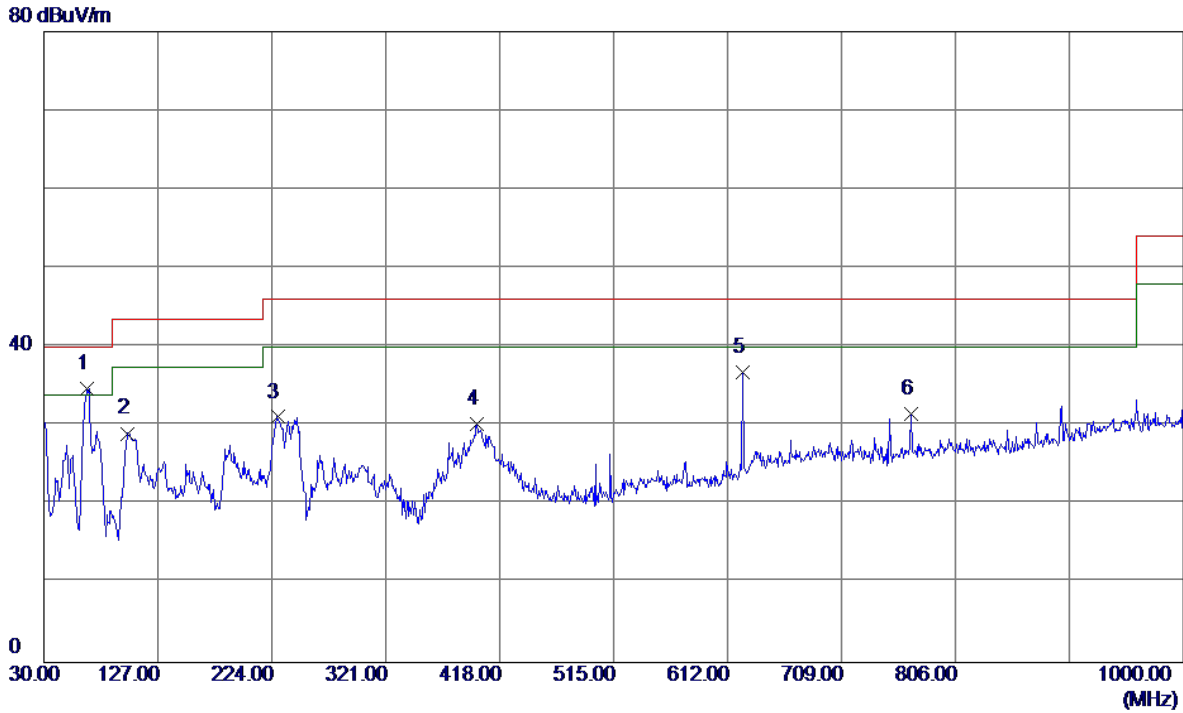
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	170.1650	41.62	-10.73	30.89	43.50	-12.61	Peak	
2 *	244.3700	55.68	-13.36	42.32	46.00	-3.68	Peak	
3	374.8350	45.44	-9.00	36.44	46.00	-9.56	Peak	
4	409.2700	42.85	-7.18	35.67	46.00	-10.33	Peak	
5	640.1300	39.13	-2.31	36.82	46.00	-9.18	Peak	
6	768.1700	38.81	-0.33	38.48	46.00	-7.52	Peak	

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

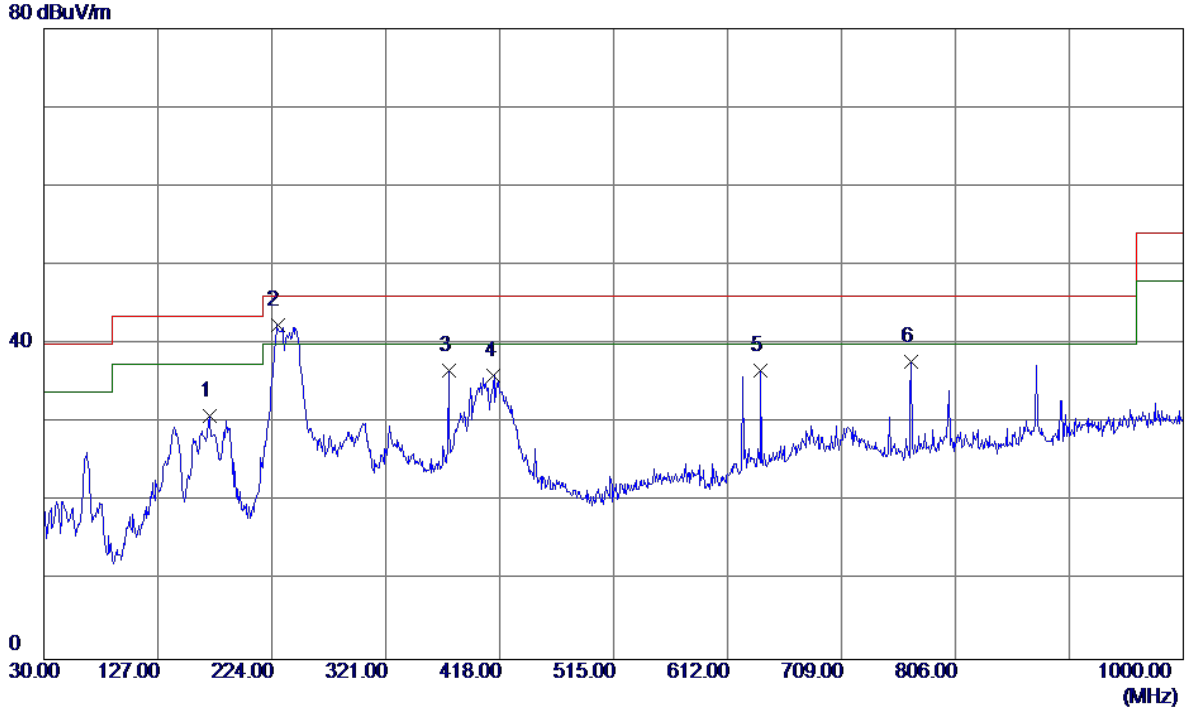
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	66.3750	48.83	-14.15	34.68	40.00	-5.32	Peak	
2	100.8100	43.52	-14.48	29.04	43.50	-14.46	Peak	
3	228.8500	44.16	-13.04	31.12	46.00	-14.88	Peak	
4	399.0850	37.51	-7.27	30.24	46.00	-15.76	Peak	
5	625.0950	39.98	-3.25	36.73	46.00	-9.27	Peak	
6	768.1700	31.92	-0.33	31.59	46.00	-14.41	Peak	

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

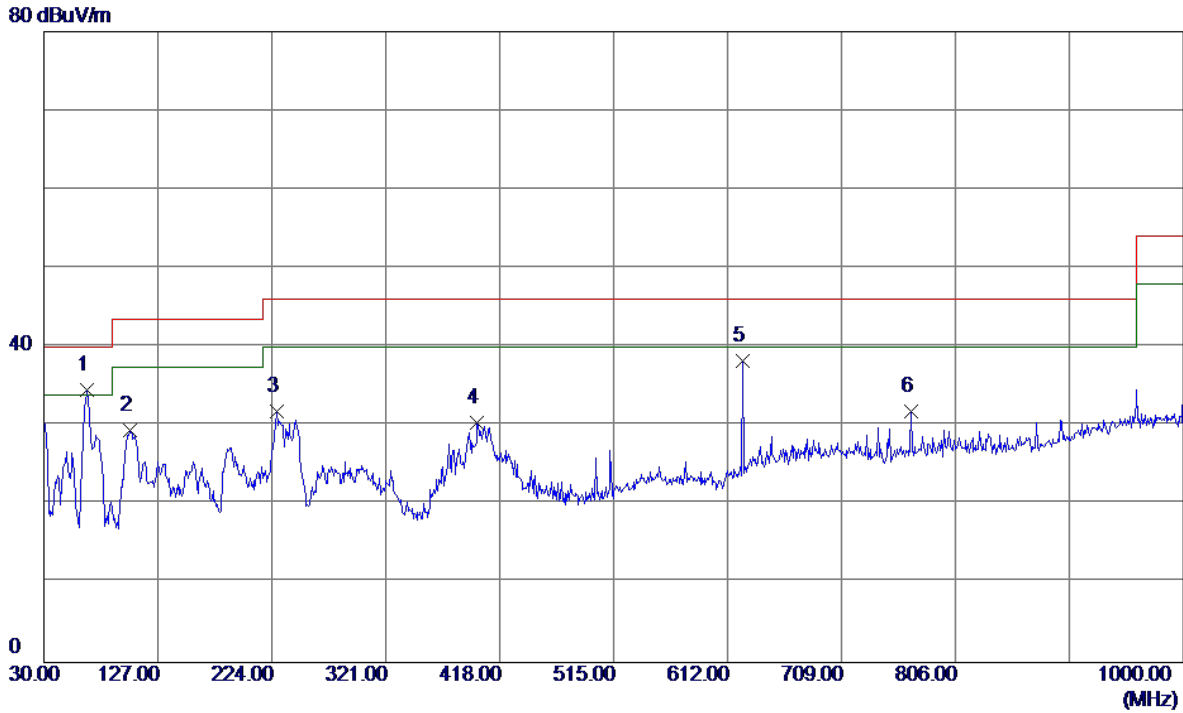
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	171.1350	41.82	-10.87	30.95	43.50	-12.55	Peak	
2 *	228.8500	55.43	-13.04	42.39	46.00	-3.61	Peak	
3	374.8350	45.66	-9.00	36.66	46.00	-9.34	Peak	
4	413.1500	43.10	-7.17	35.93	46.00	-10.07	Peak	
5	640.1300	38.94	-2.31	36.63	46.00	-9.37	Peak	
6	768.1700	38.16	-0.33	37.83	46.00	-8.17	Peak	

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

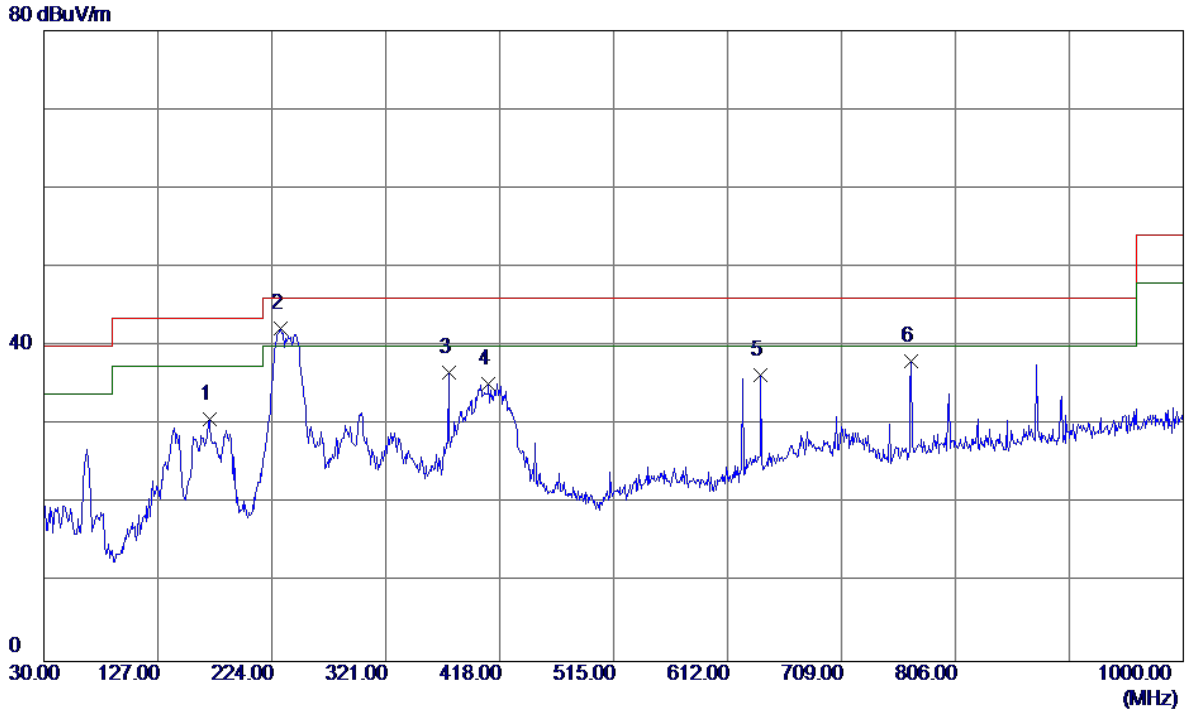
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	66.3750	48.78	-14.15	34.63	40.00	-5.37	Peak	
2	103.2350	43.76	-14.32	29.44	43.50	-14.06	Peak	
3	227.8800	45.01	-13.14	31.87	46.00	-14.13	Peak	
4	399.0850	37.74	-7.27	30.47	46.00	-15.53	Peak	
5	625.0950	41.45	-3.25	38.20	46.00	-7.80	Peak	
6	768.1700	32.12	-0.33	31.79	46.00	-14.21	Peak	

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

Horizontal

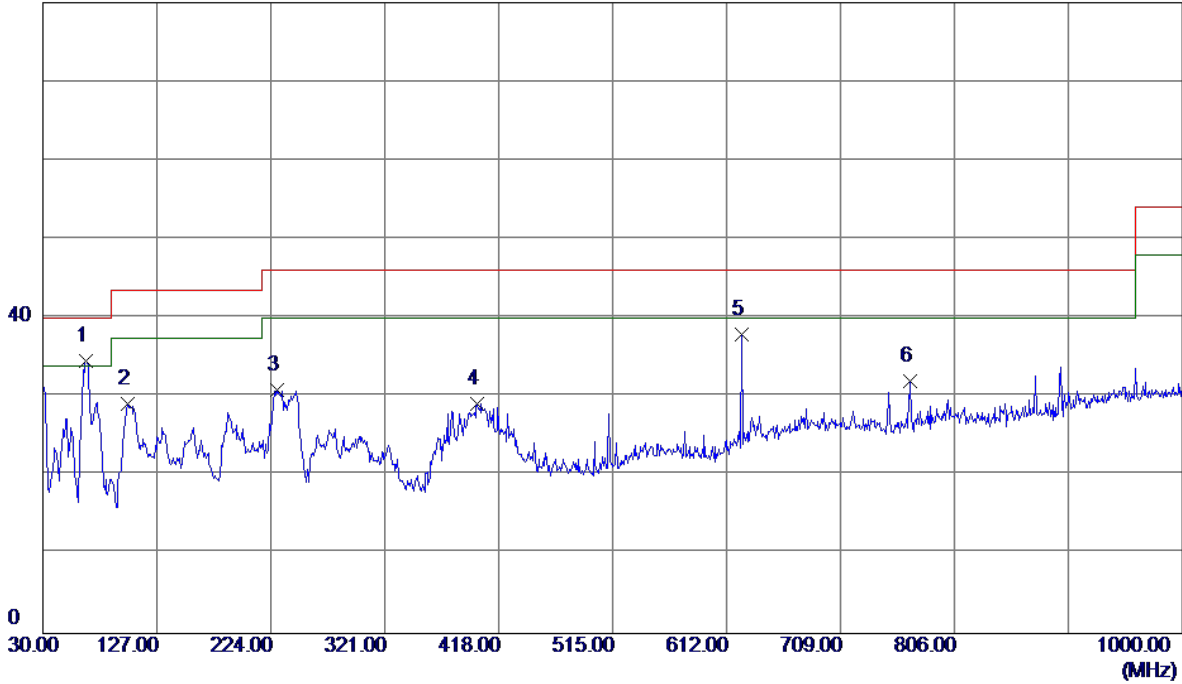


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	171.1350	41.60	-10.87	30.73	43.50	-12.77	Peak	
2 *	231.2750	55.19	-12.98	42.21	46.00	-3.79	Peak	
3	374.8350	45.60	-9.00	36.60	46.00	-9.40	Peak	
4	408.7850	42.40	-7.18	35.22	46.00	-10.78	Peak	
5	640.1300	38.62	-2.31	36.31	46.00	-9.69	Peak	
6	768.1700	38.35	-0.33	38.02	46.00	-7.98	Peak	

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

Vertical

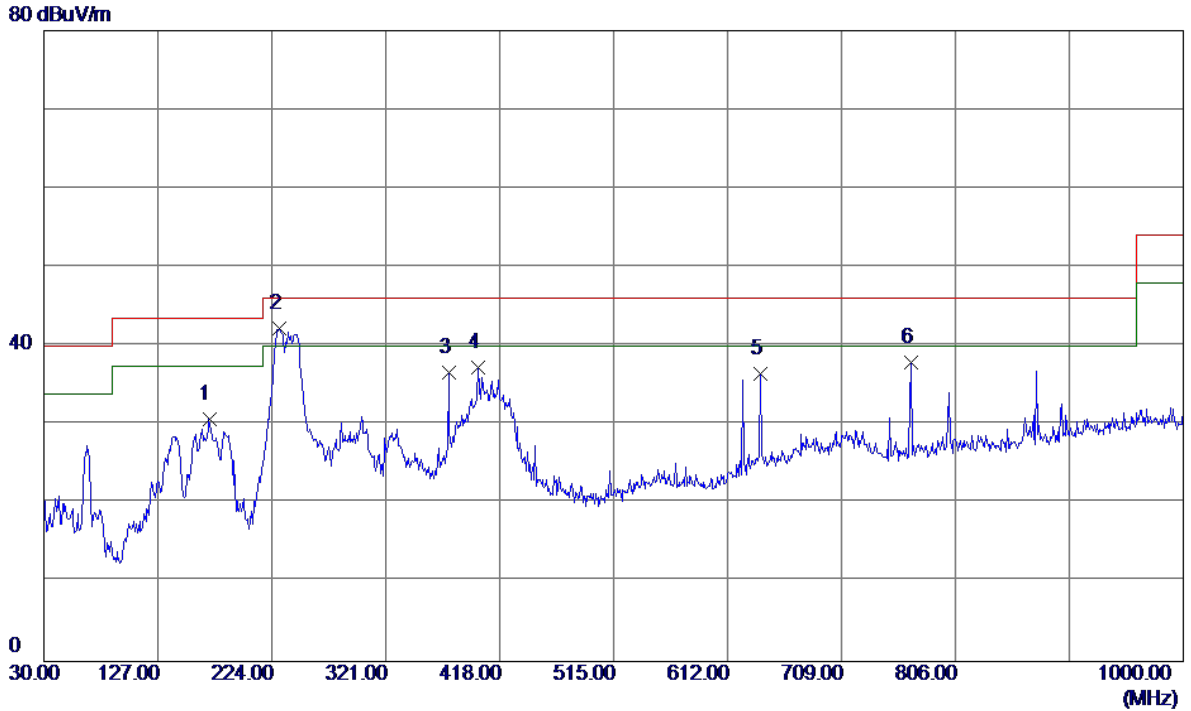
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	66.8600	48.91	-14.29	34.62	40.00	-5.38	Peak	
2	102.2650	43.45	-14.38	29.07	43.50	-14.43	Peak	
3	229.8200	43.86	-12.94	30.92	46.00	-15.08	Peak	
4	399.5700	36.40	-7.23	29.17	46.00	-16.83	Peak	
5	625.0950	41.10	-3.25	37.85	46.00	-8.15	Peak	
6	768.1700	32.37	-0.33	32.04	46.00	-13.96	Peak	

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

Horizontal

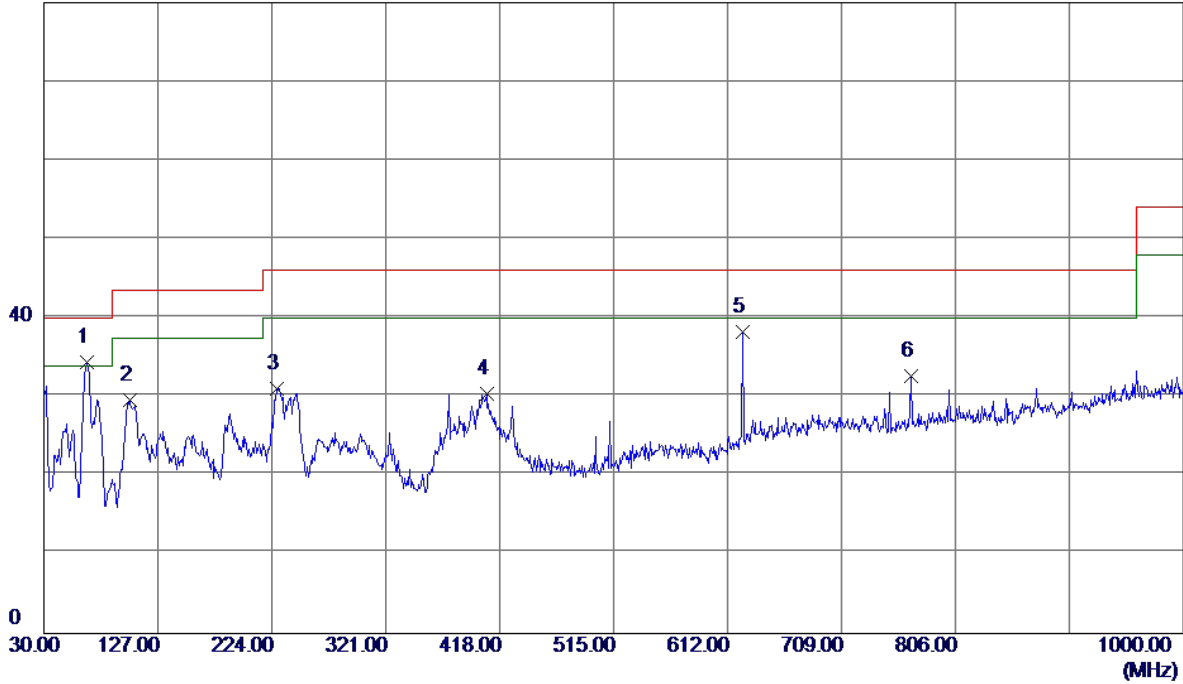


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	170.6500	41.58	-10.80	30.78	43.50	-12.72	Peak	
2 *	230.7900	55.27	-12.96	42.31	46.00	-3.69	Peak	
3	374.8350	45.62	-9.00	36.62	46.00	-9.38	Peak	
4	400.0550	44.54	-7.20	37.34	46.00	-8.66	Peak	
5	640.1300	38.78	-2.31	36.47	46.00	-9.53	Peak	
6	768.1700	38.26	-0.33	37.93	46.00	-8.07	Peak	

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

Vertical

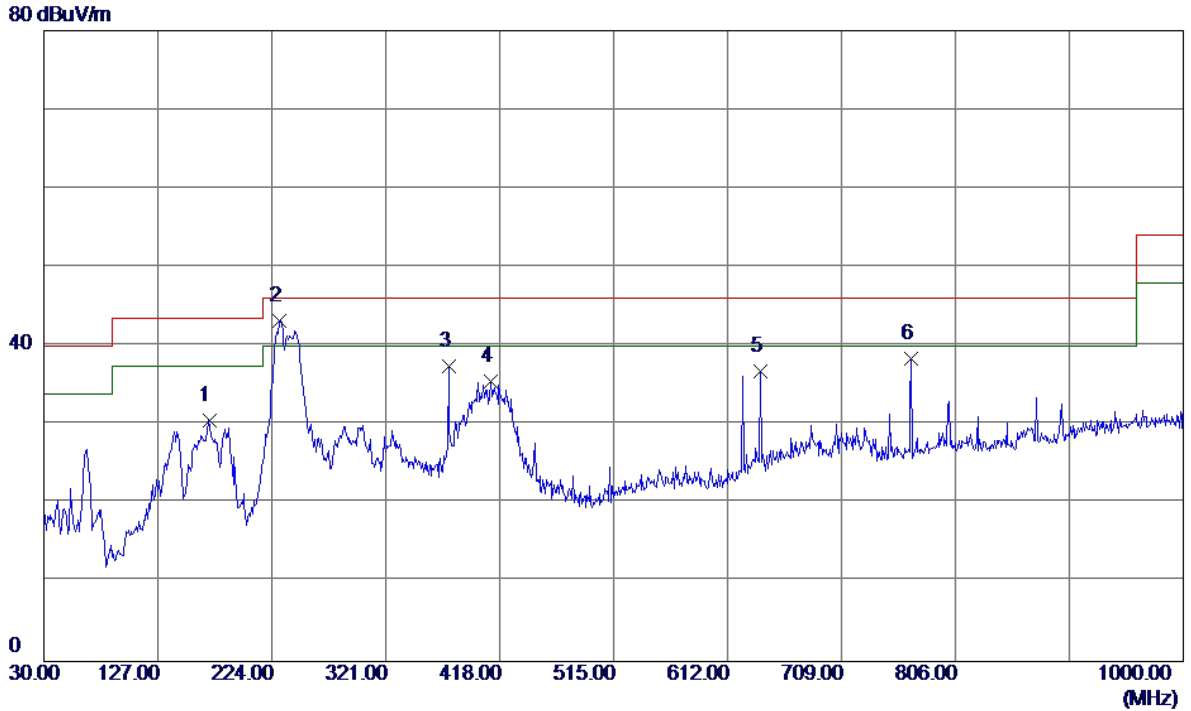
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	66.3750	48.49	-14.15	34.34	40.00	-5.66	Peak	
2	103.2350	43.92	-14.32	29.60	43.50	-13.90	Peak	
3	227.8800	44.23	-13.14	31.09	46.00	-14.91	Peak	
4	406.8450	37.57	-7.18	30.39	46.00	-15.61	Peak	
5	625.0950	41.54	-3.25	38.29	46.00	-7.71	Peak	
6	768.1700	33.01	-0.33	32.68	46.00	-13.32	Peak	

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

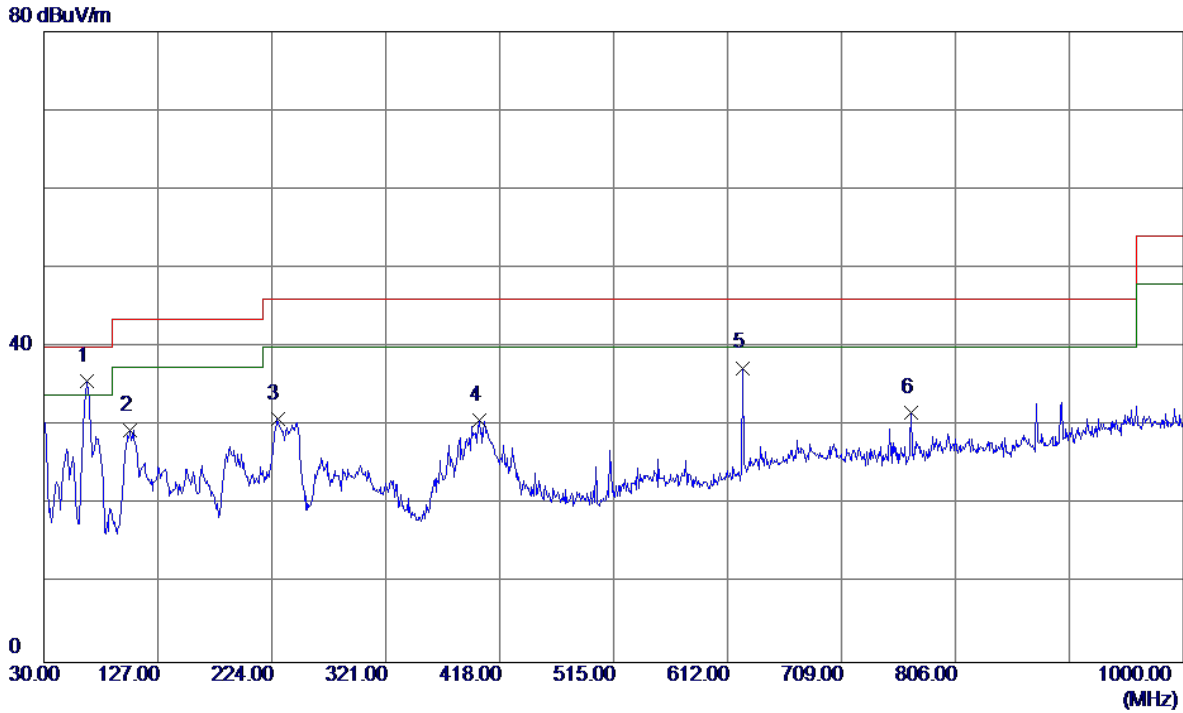
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	170.6500	41.43	-10.80	30.63	43.50	-12.87	Peak	
2 *	230.7900	56.21	-12.96	43.25	46.00	-2.75	Peak	
3	374.8350	46.45	-9.00	37.45	46.00	-8.55	Peak	
4	410.2400	42.69	-7.17	35.52	46.00	-10.48	Peak	
5	640.1300	39.17	-2.31	36.86	46.00	-9.14	Peak	
6	768.1700	38.80	-0.33	38.47	46.00	-7.53	Peak	

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

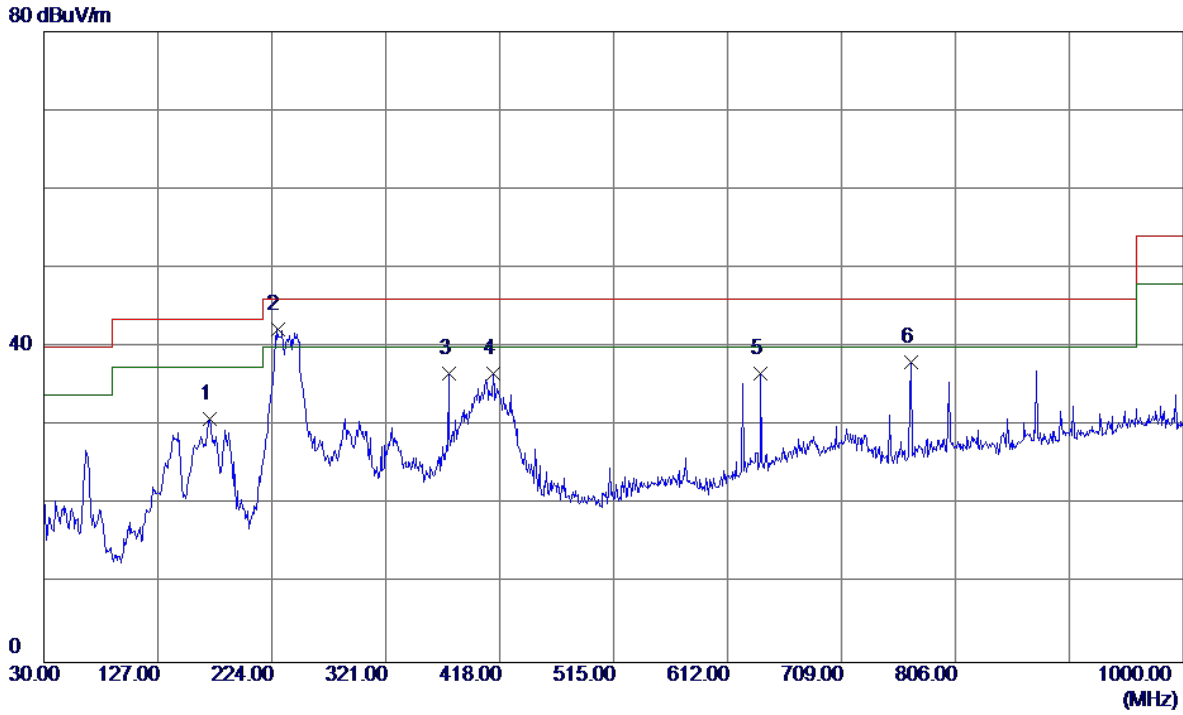
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	66.3750	49.84	-14.15	35.69	40.00	-4.31	Peak	
2	103.7200	43.73	-14.28	29.45	43.50	-14.05	Peak	
3	228.8500	43.97	-13.04	30.93	46.00	-15.07	Peak	
4	401.0250	37.87	-7.20	30.67	46.00	-15.33	Peak	
5	625.0950	40.61	-3.25	37.36	46.00	-8.64	Peak	
6	768.1700	31.96	-0.33	31.63	46.00	-14.37	Peak	

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

Horizontal



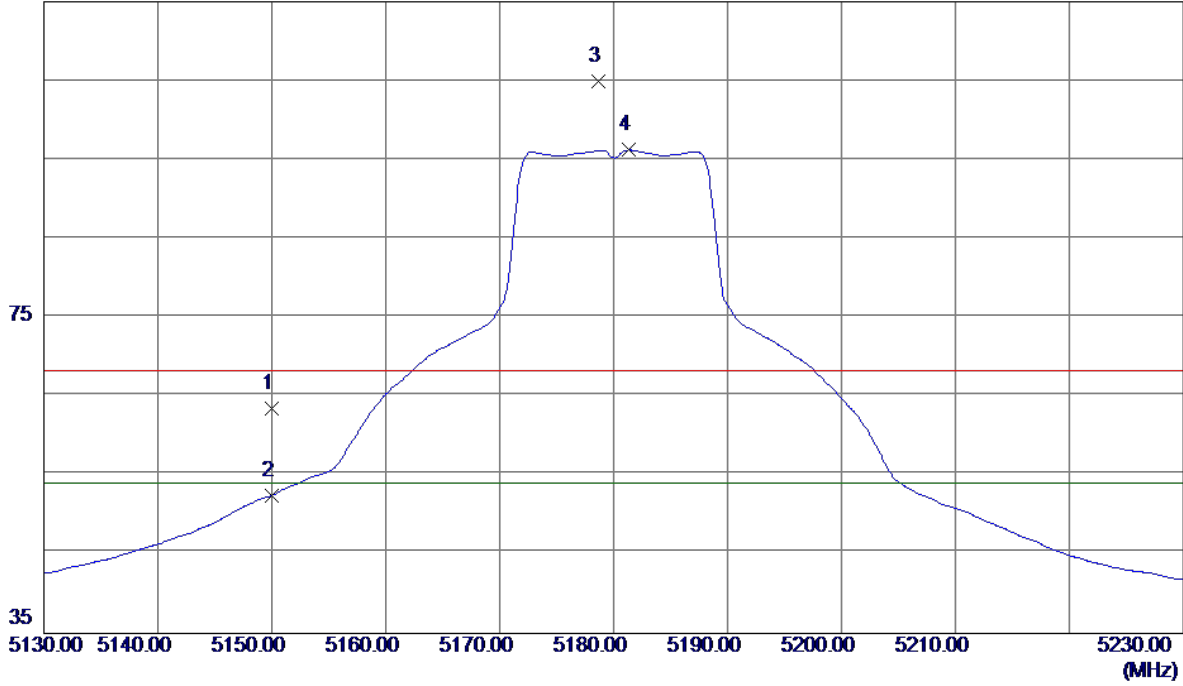
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	171.1350	41.71	-10.87	30.84	43.50	-12.66	Peak	
2 *	228.8500	55.33	-13.04	42.29	46.00	-3.71	Peak	
3	374.8350	45.65	-9.00	36.65	46.00	-9.35	Peak	
4	412.1800	43.85	-7.17	36.68	46.00	-9.32	Peak	
5	640.1300	38.88	-2.31	36.57	46.00	-9.43	Peak	
6	768.1700	38.42	-0.33	38.09	46.00	-7.91	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

115 dBuV/m

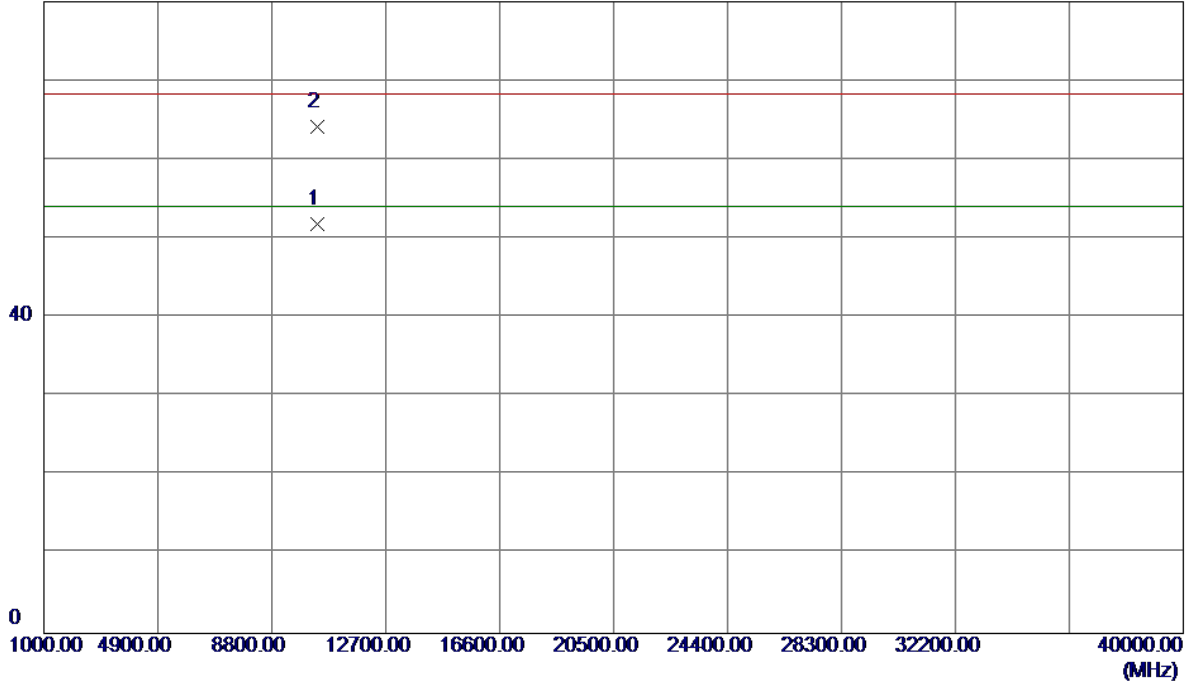


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.12	41.35	63.47	68.30	-4.83	Peak	
2	5150.0000	11.12	41.35	52.47	54.00	-1.53	AVG	
3	5178.7000	63.42	41.44	104.86	68.30	36.56	Peak	No Limit
4 *	5181.3000	54.76	41.45	96.21	54.00	42.21	AVG	No Limit

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

Vertical

80 dBuV/m

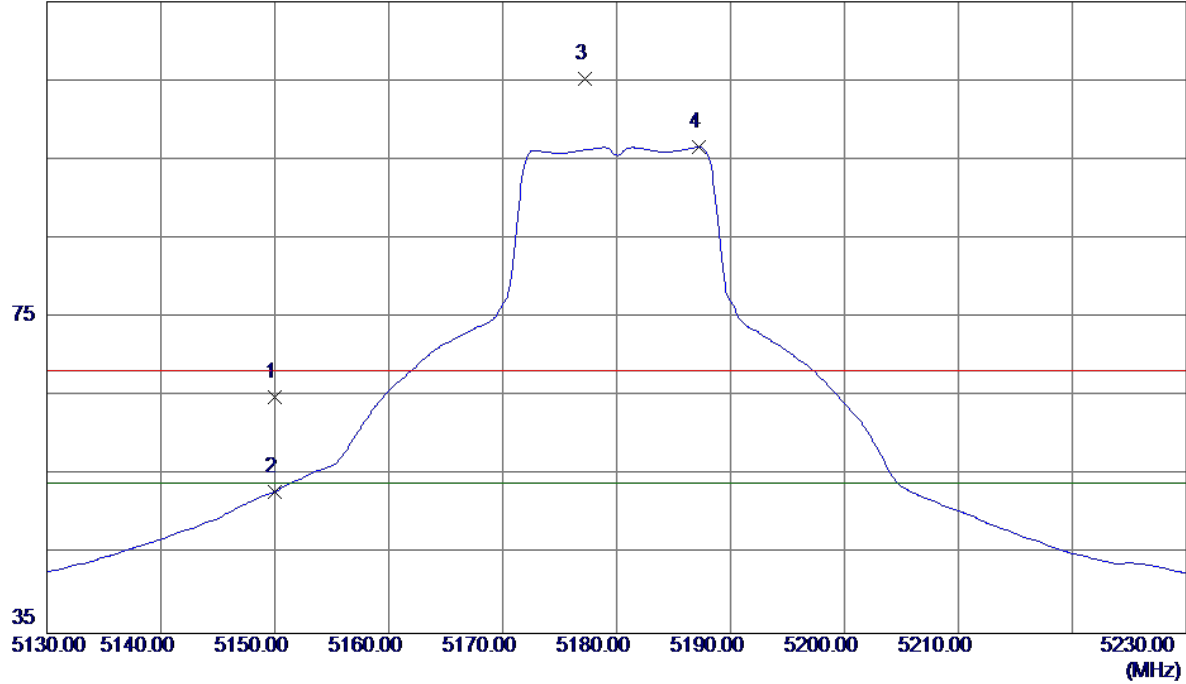


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10359.9500	35.46	16.36	51.82	54.00	-2.18	AVG	
2	10360.5500	47.85	16.36	64.21	68.30	-4.09	Peak	

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

Horizontal

115 dBuV/m

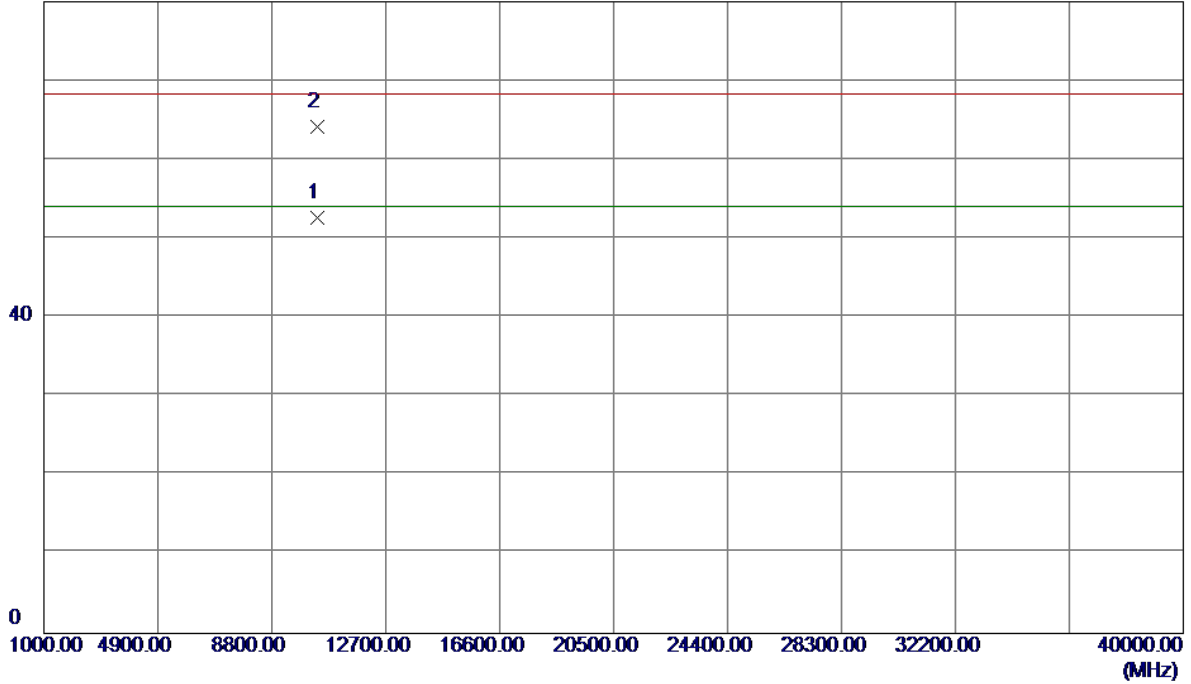


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.51	41.35	64.86	68.30	-3.44	Peak	
2	5150.0000	11.59	41.35	52.94	54.00	-1.06	AVG	
3	5177.2000	63.84	41.44	105.28	68.30	36.98	Peak	No Limit
4 *	5187.2000	55.07	41.47	96.54	54.00	42.54	AVG	No Limit

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

Horizontal

80 dBuV/m

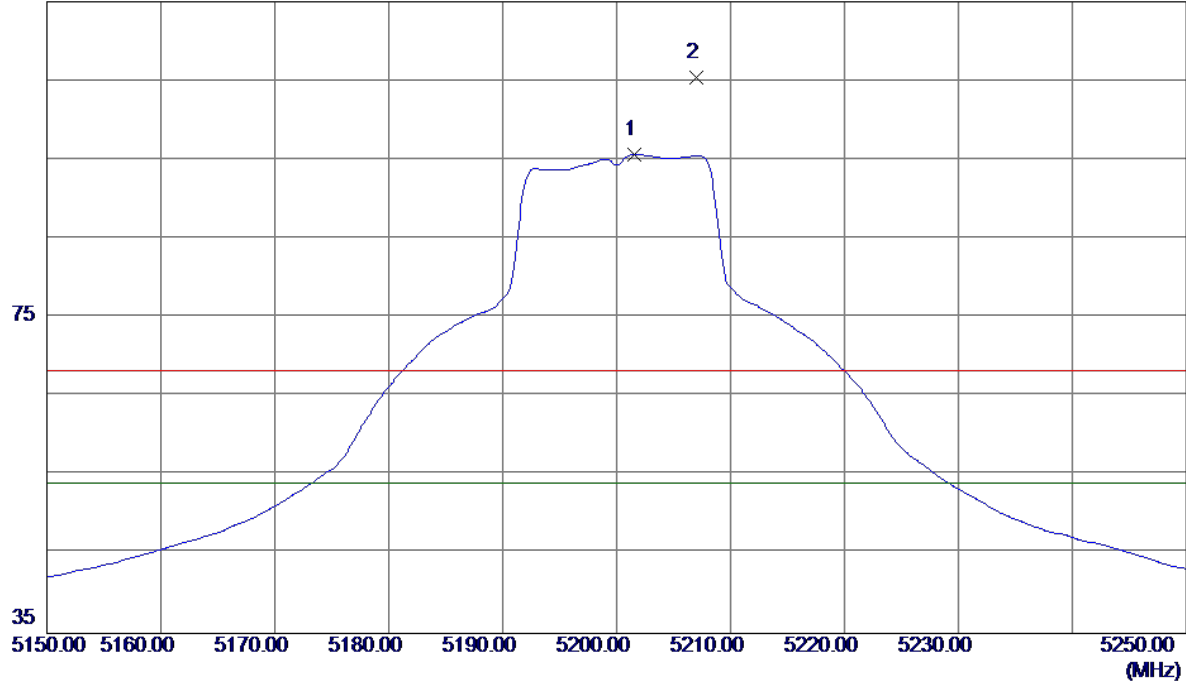


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10356.4000	36.27	16.35	52.62	54.00	-1.38	AVG	
2	10358.4000	47.80	16.36	64.16	68.30	-4.14	Peak	

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

Vertical

115 dBuV/m

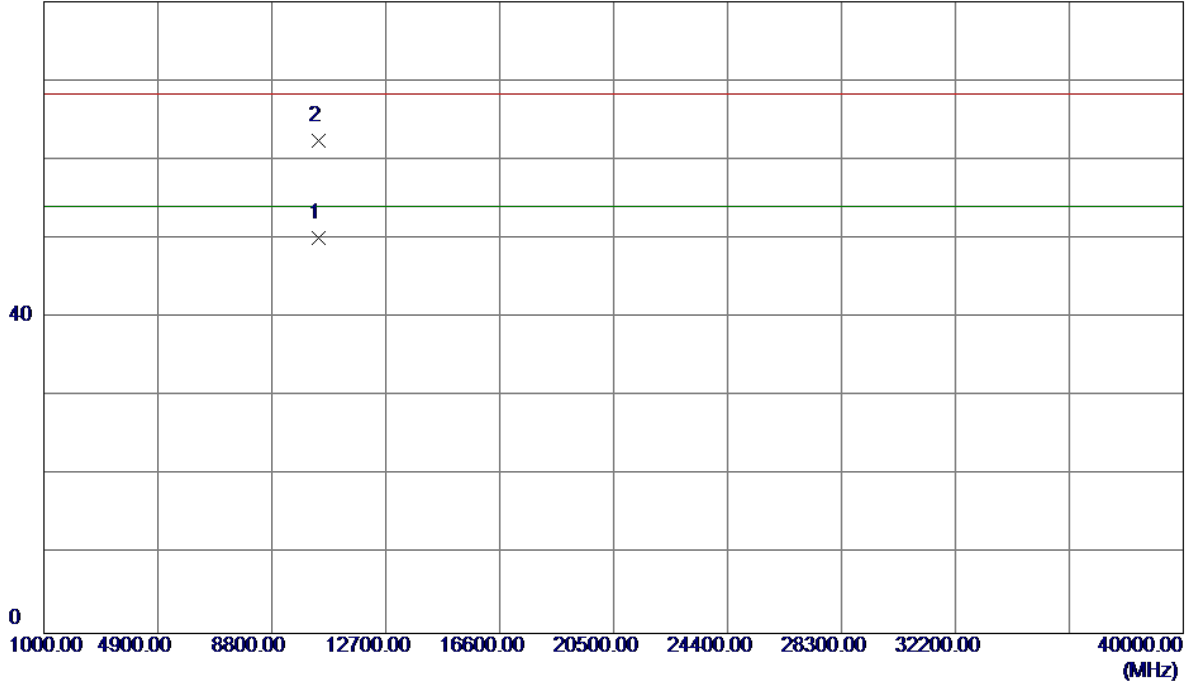


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5201.6000	54.11	41.52	95.63	54.00	41.63	AVG	No Limit
2	5207.0000	63.91	41.54	105.45	68.30	37.15	Peak	No Limit

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

Vertical

80 dBuV/m

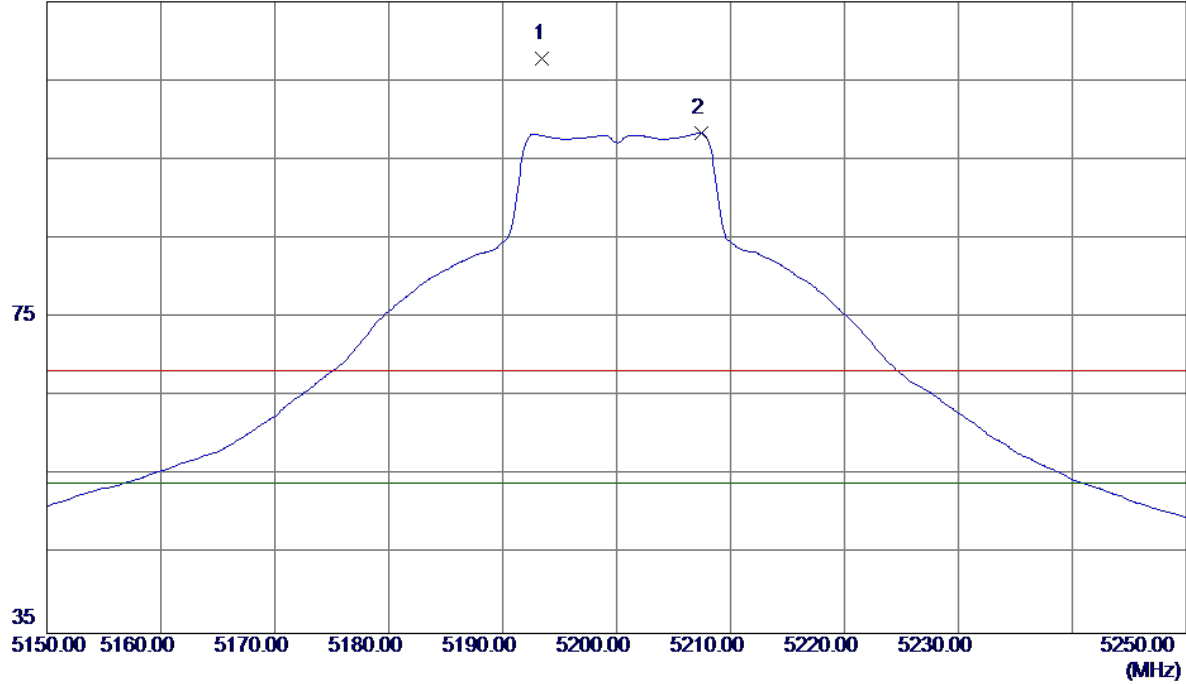


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.0000	33.63	16.45	50.08	54.00	-3.92	AVG	
2	10402.4500	45.95	16.45	62.40	68.30	-5.90	Peak	

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

Horizontal

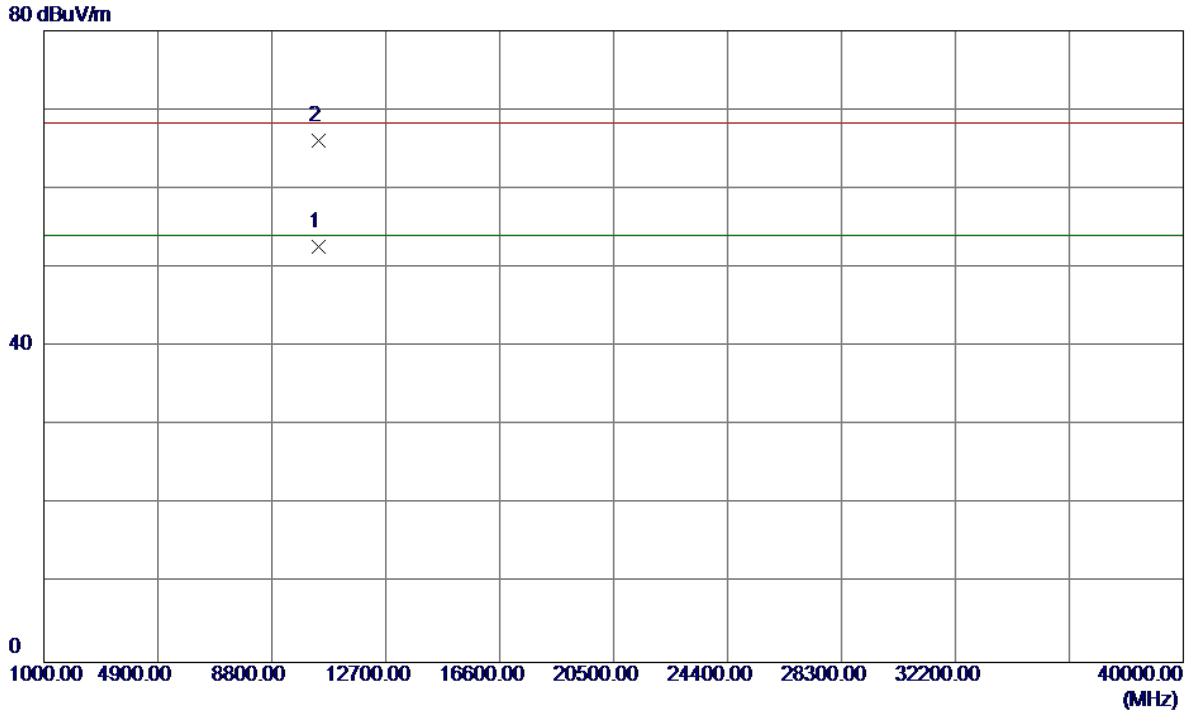
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5193.5000	66.32	41.49	107.81	68.30	39.51	Peak	No Limit
2 *	5207.4000	56.80	41.54	98.34	54.00	44.34	AVG	No Limit

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

Horizontal

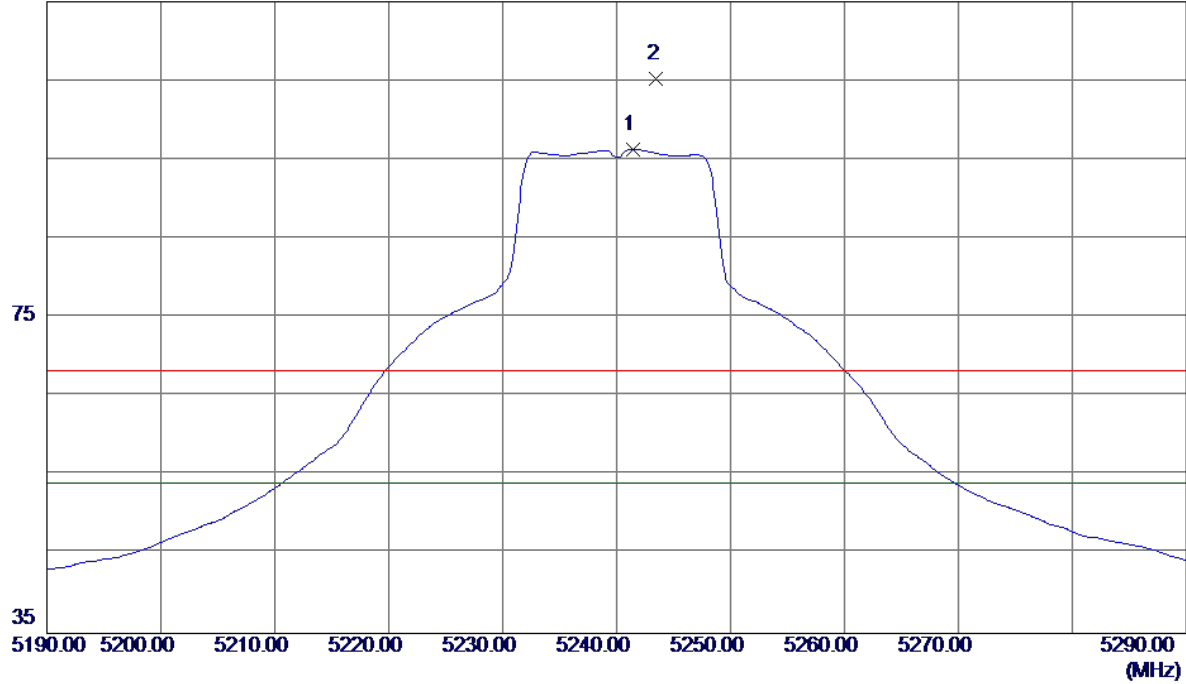


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.2800	36.26	16.45	52.71	54.00	-1.29	AVG	
2	10400.3800	49.67	16.45	66.12	68.30	-2.18	Peak	

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

Vertical

115 dBuV/m

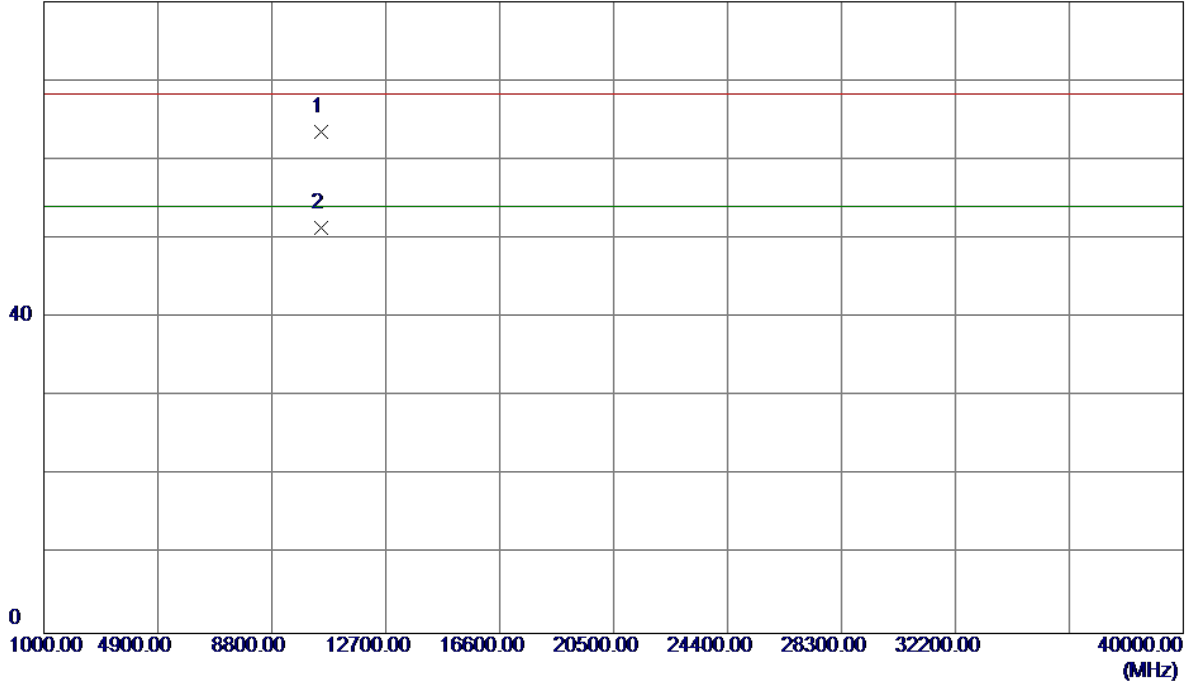


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5241.4000	54.66	41.66	96.32	54.00	42.32	AVG	No Limit
2	5243.5000	63.63	41.66	105.29	68.30	36.99	Peak	No Limit

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

Vertical

80 dBuV/m

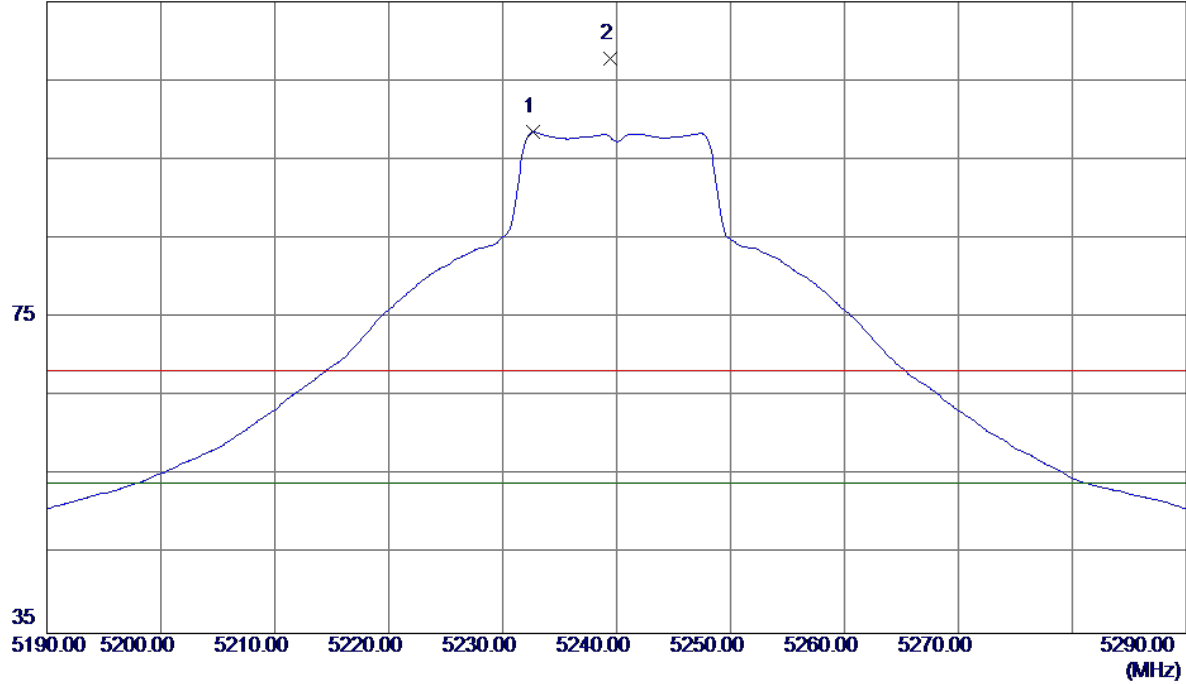


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10479.0350	46.88	16.62	63.50	68.30	-4.80	Peak	
2 *	10480.1500	34.74	16.63	51.37	54.00	-2.63	AVG	

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

Horizontal

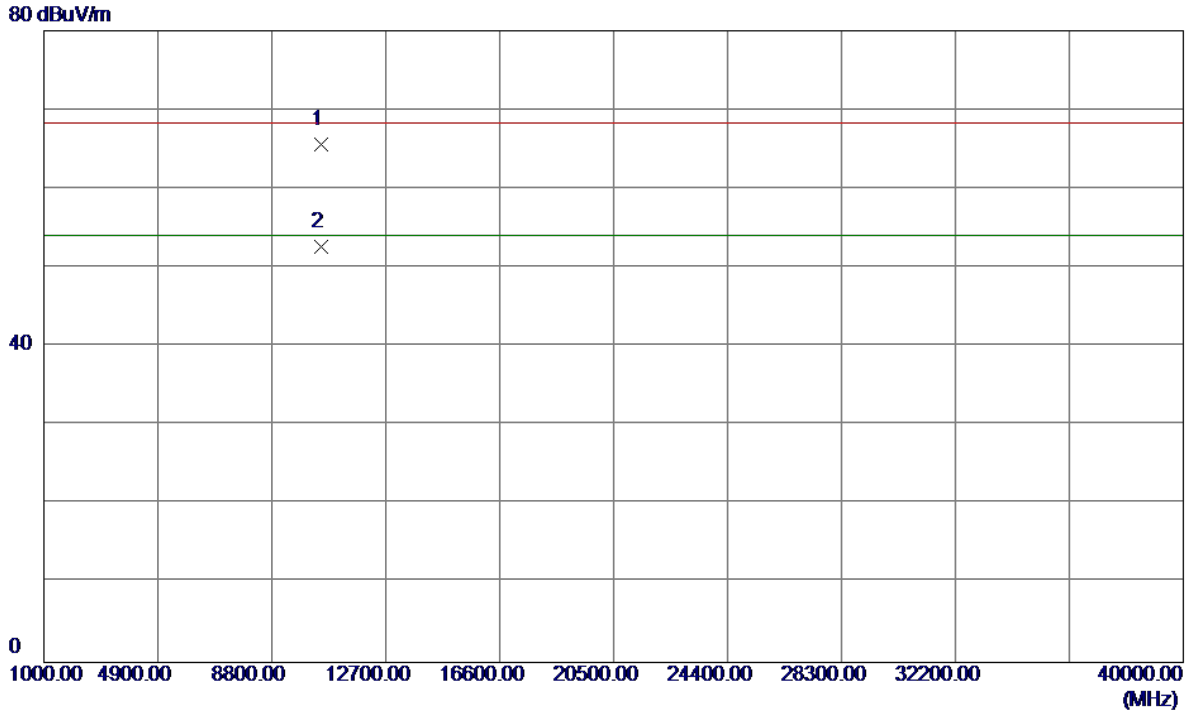
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5232.7000	56.83	41.63	98.46	54.00	44.46	AVG	No Limit
2	5239.4000	66.22	41.65	107.87	68.30	39.57	Peak	No Limit

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

Horizontal

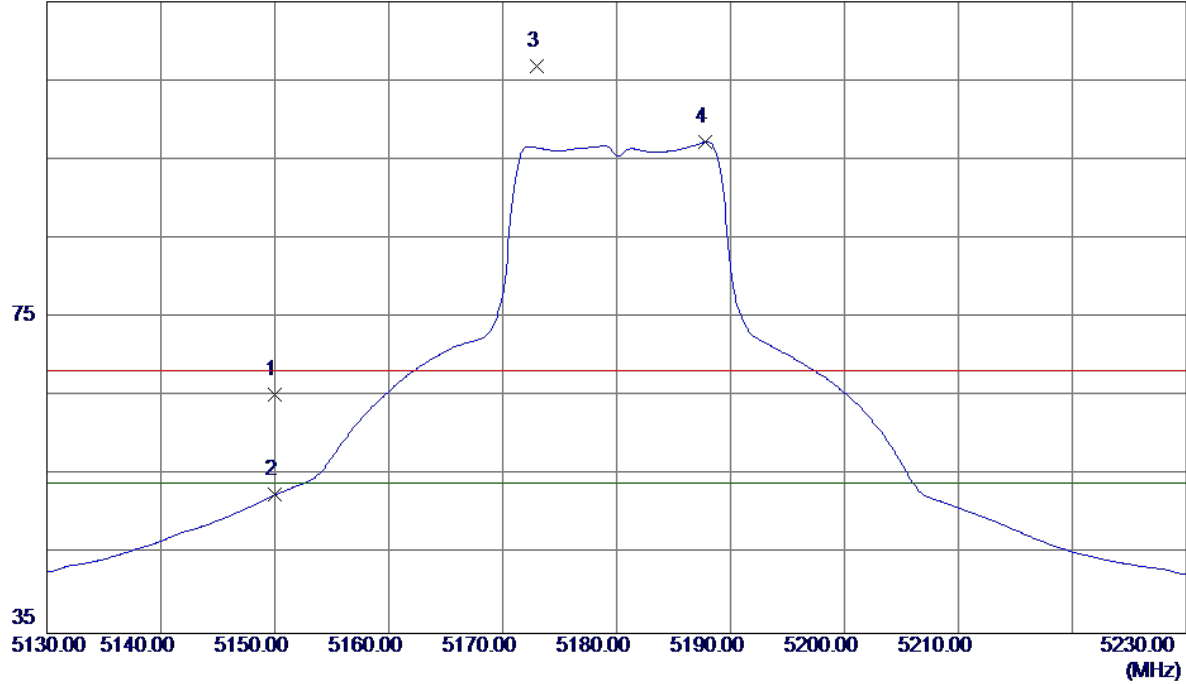


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10479.0250	48.99	16.62	65.61	68.30	-2.69	Peak	
2 *	10480.0199	35.94	16.63	52.57	54.00	-1.43	AVG	

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

Vertical

115 dBuV/m

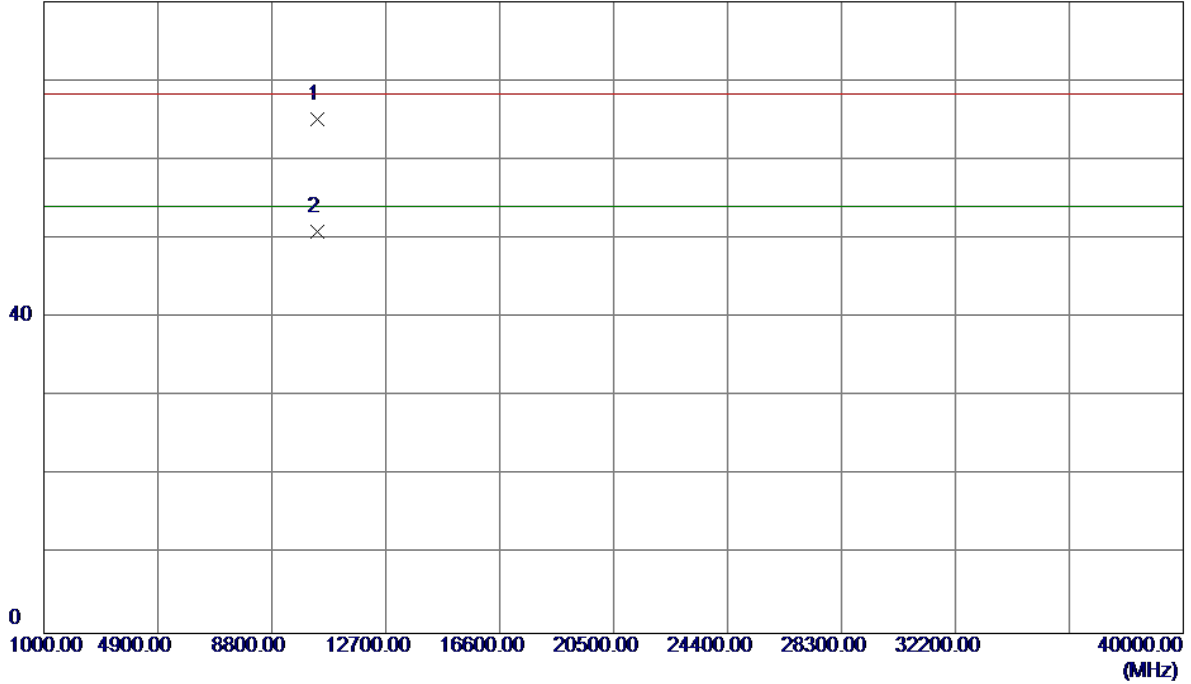


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.87	41.35	65.22	68.30	-3.08	Peak	
2	5150.0000	11.20	41.35	52.55	54.00	-1.45	AVG	
3	5173.0000	65.38	41.42	106.80	68.30	38.50	Peak	No Limit
4 *	5187.8000	55.73	41.47	97.20	54.00	43.20	AVG	No Limit

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

Vertical

80 dBuV/m

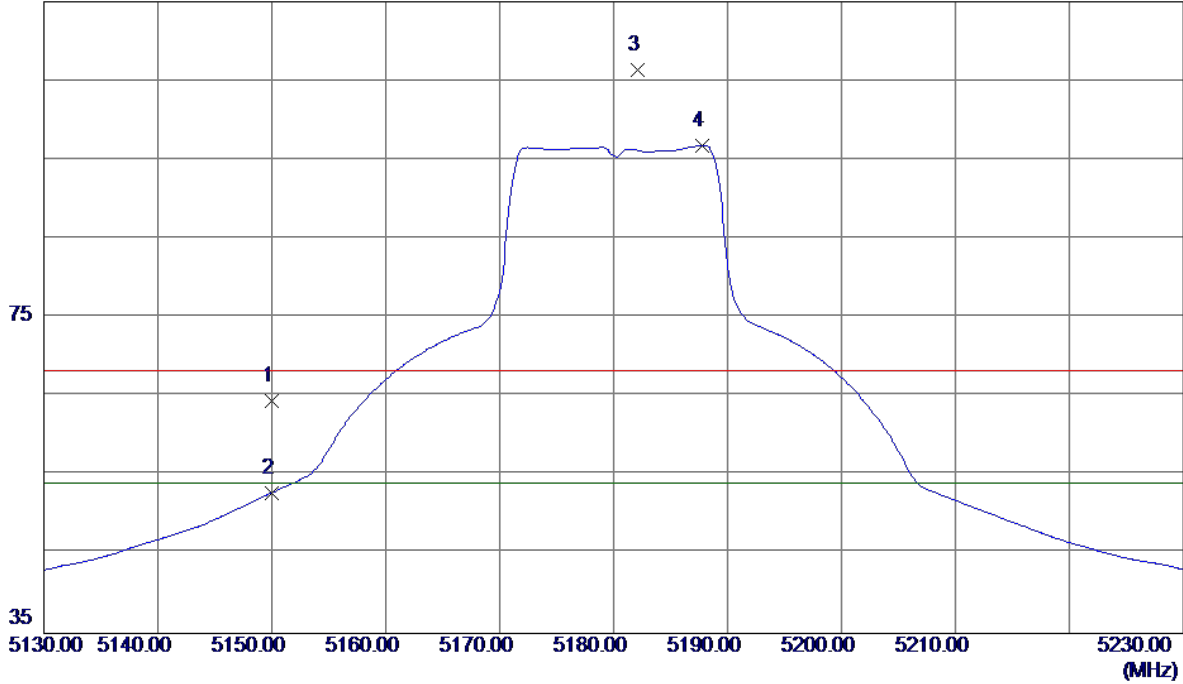


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10358.6500	48.73	16.36	65.09	68.30	-3.21	Peak	
2 *	10359.9700	34.49	16.36	50.85	54.00	-3.15	AVG	

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

Horizontal

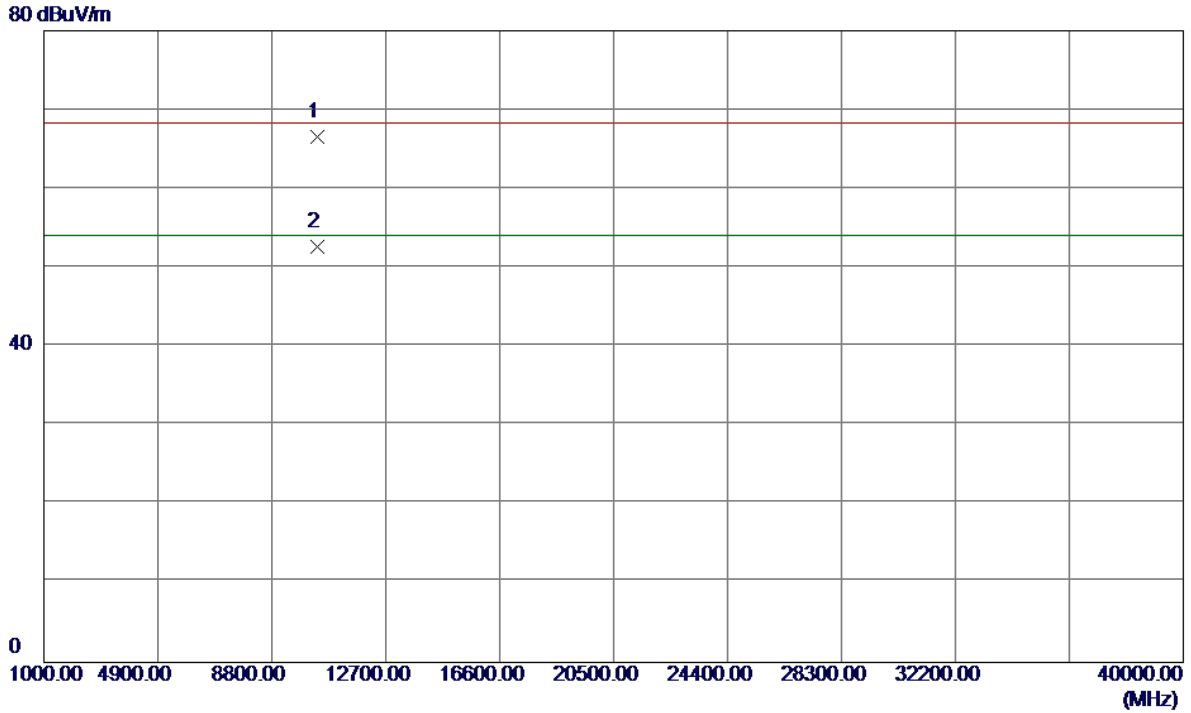
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.09	41.35	64.44	68.30	-3.86	Peak	
2	5150.0000	11.48	41.35	52.83	54.00	-1.17	AVG	
3	5182.1000	64.97	41.46	106.43	68.30	38.13	Peak	No Limit
4 *	5187.8000	55.36	41.47	96.83	54.00	42.83	AVG	No Limit

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

Horizontal

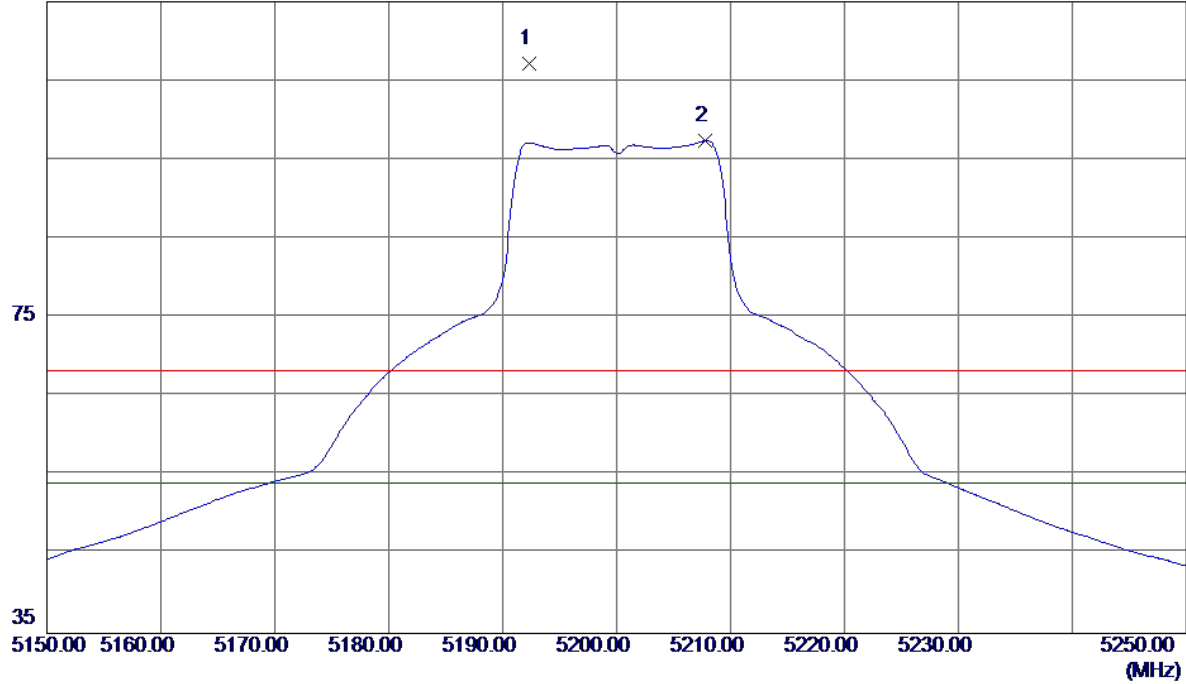


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10358.5500	50.17	16.36	66.53	68.30	-1.77	Peak	
2 *	10360.2500	36.31	16.36	52.67	54.00	-1.33	AVG	

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

Vertical

115 dBuV/m

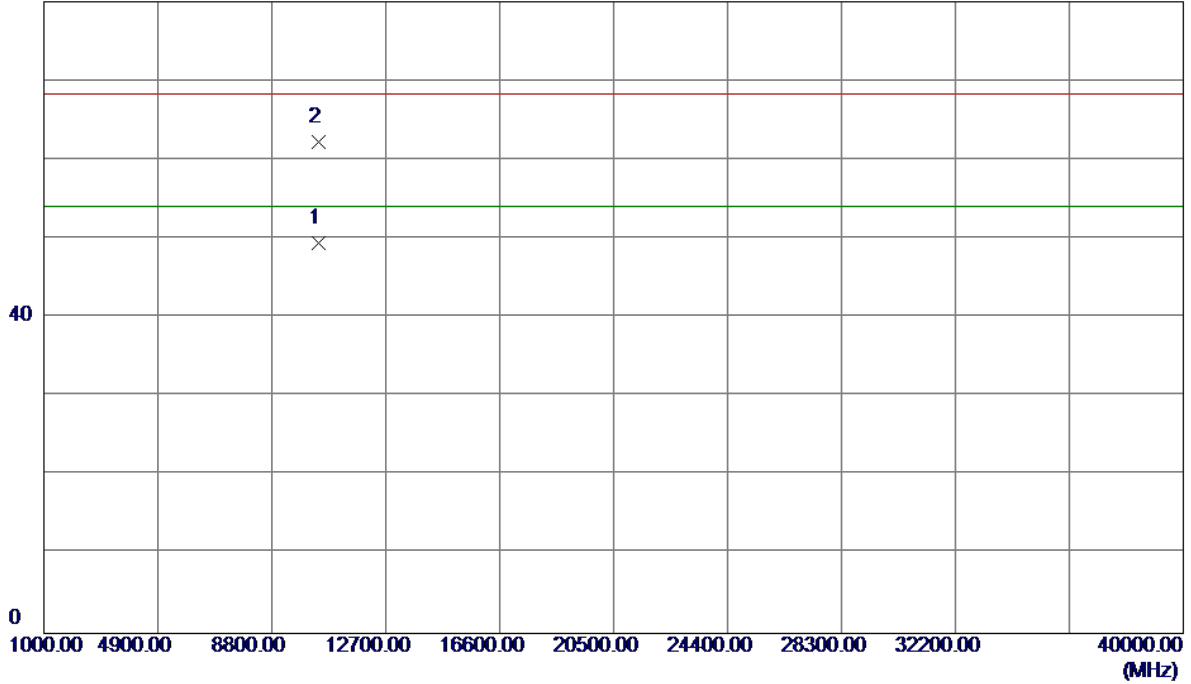


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5192.3000	65.63	41.49	107.12	68.30	38.82	Peak	No Limit
2 *	5207.8000	55.86	41.54	97.40	54.00	43.40	AVG	No Limit

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

Vertical

80 dBuV/m

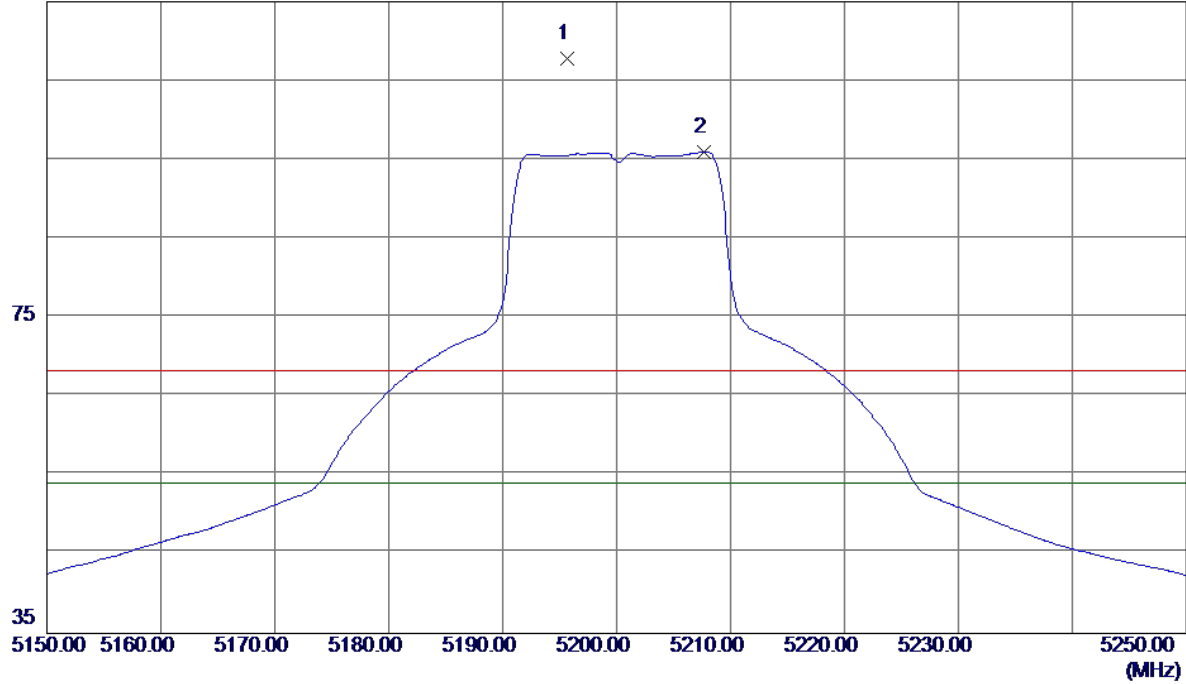


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.2000	33.03	16.45	49.48	54.00	-4.52	AVG	
2	10400.7500	45.77	16.45	62.22	68.30	-6.08	Peak	

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

Horizontal

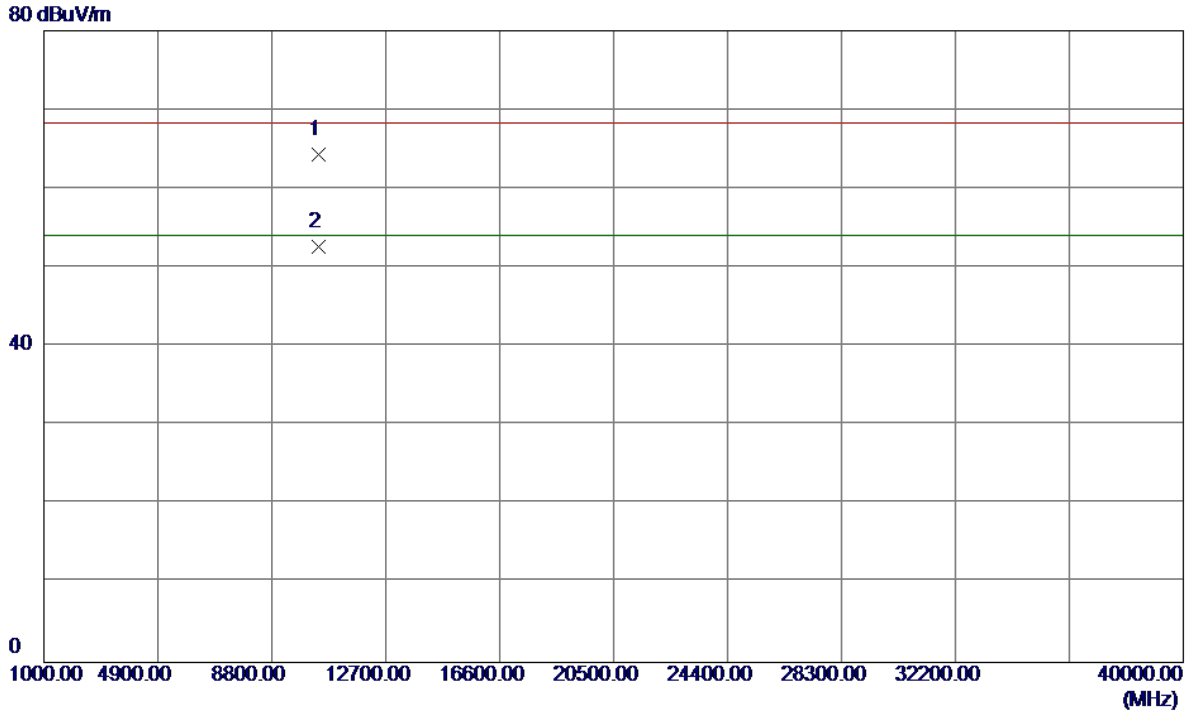
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5195.7000	66.36	41.50	107.86	68.30	39.56	Peak	No Limit
2 *	5207.7000	54.44	41.54	95.98	54.00	41.98	AVG	No Limit

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

Horizontal

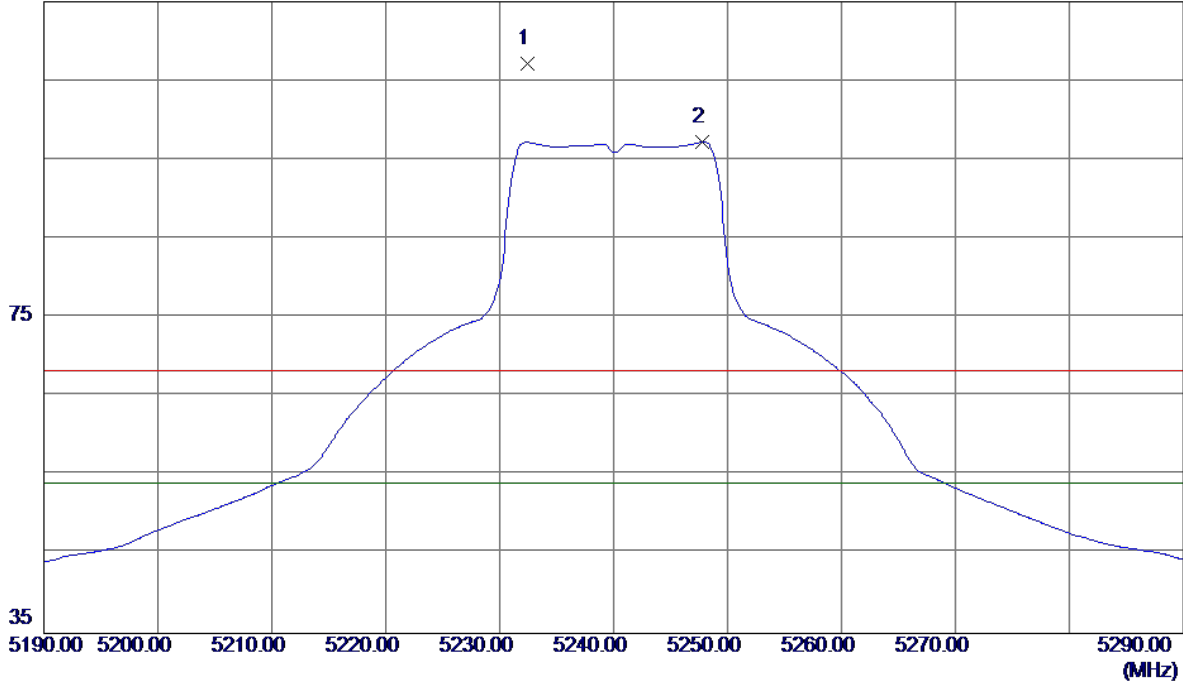


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10400.3000	47.92	16.45	64.37	68.30	-3.93	Peak	
2 *	10401.4000	36.18	16.45	52.63	54.00	-1.37	AVG	

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

Vertical

115 dBuV/m

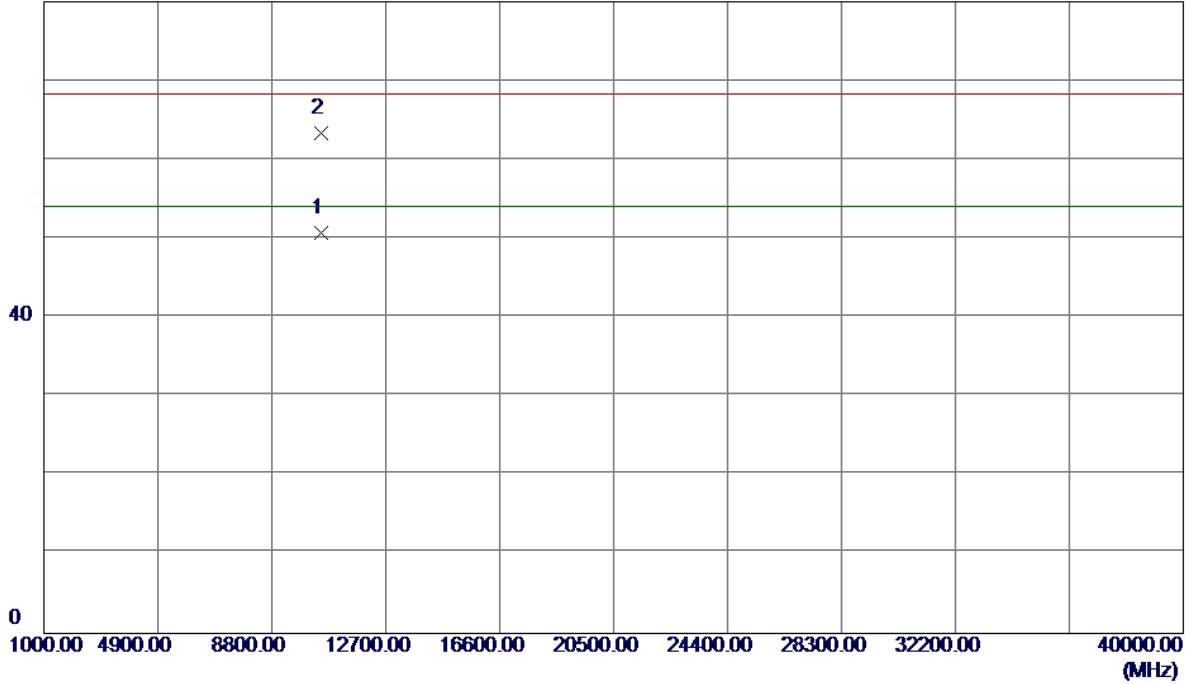


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5232.4000	65.56	41.63	107.19	68.30	38.89	Peak	No Limit
2 *	5247.8000	55.54	41.68	97.22	54.00	43.22	AVG	No Limit

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

Vertical

80 dBuV/m

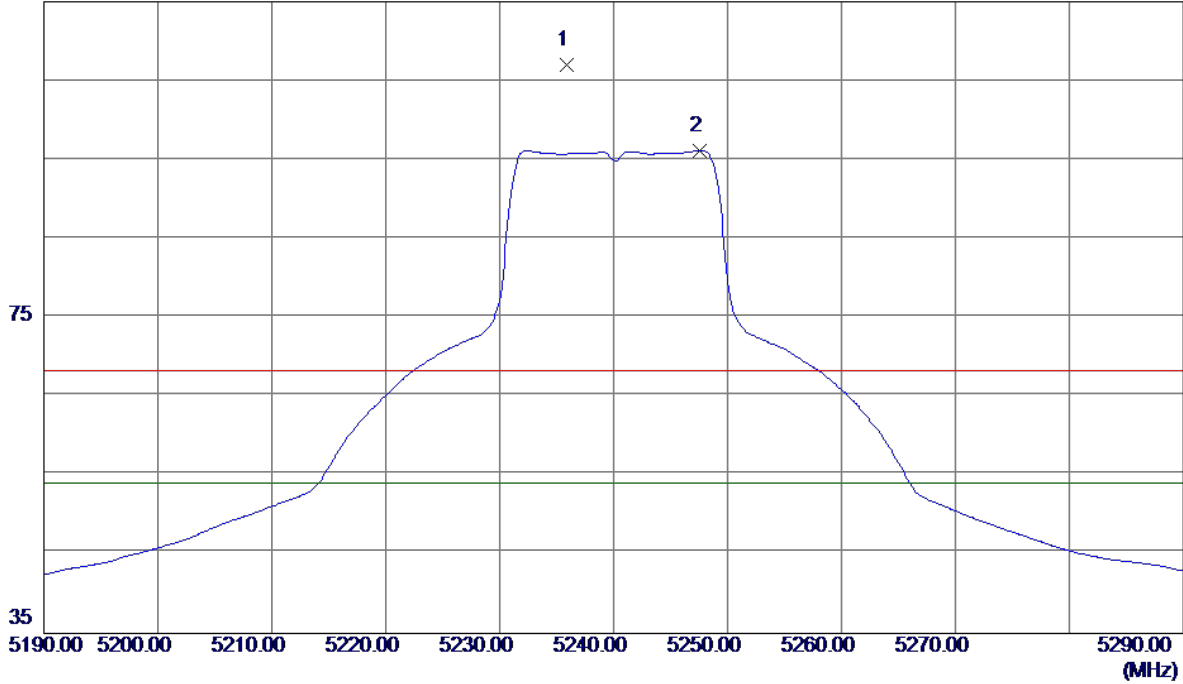


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10478.9500	34.18	16.62	50.80	54.00	-3.20	AVG	
2	10480.1500	46.66	16.63	63.29	68.30	-5.01	Peak	

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

Horizontal

115 dBuV/m

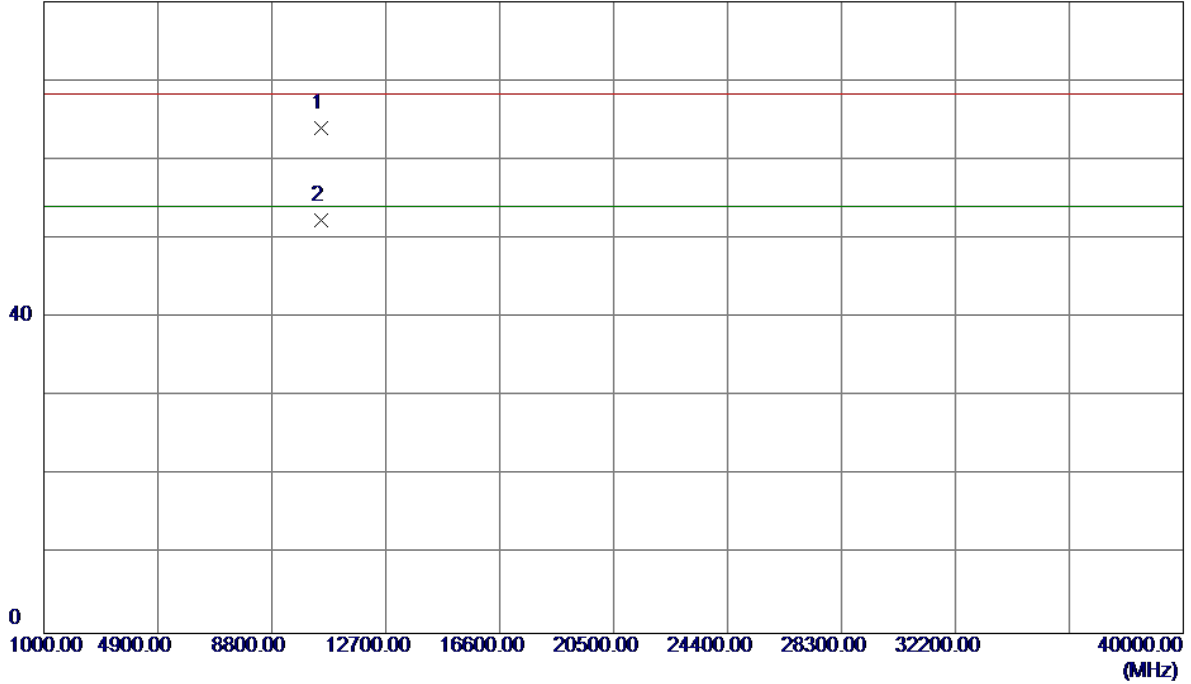


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5235.9000	65.30	41.64	106.94	68.30	38.64	Peak	No Limit
2 *	5247.6000	54.45	41.68	96.13	54.00	42.13	AVG	No Limit

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

Horizontal

80 dBuV/m

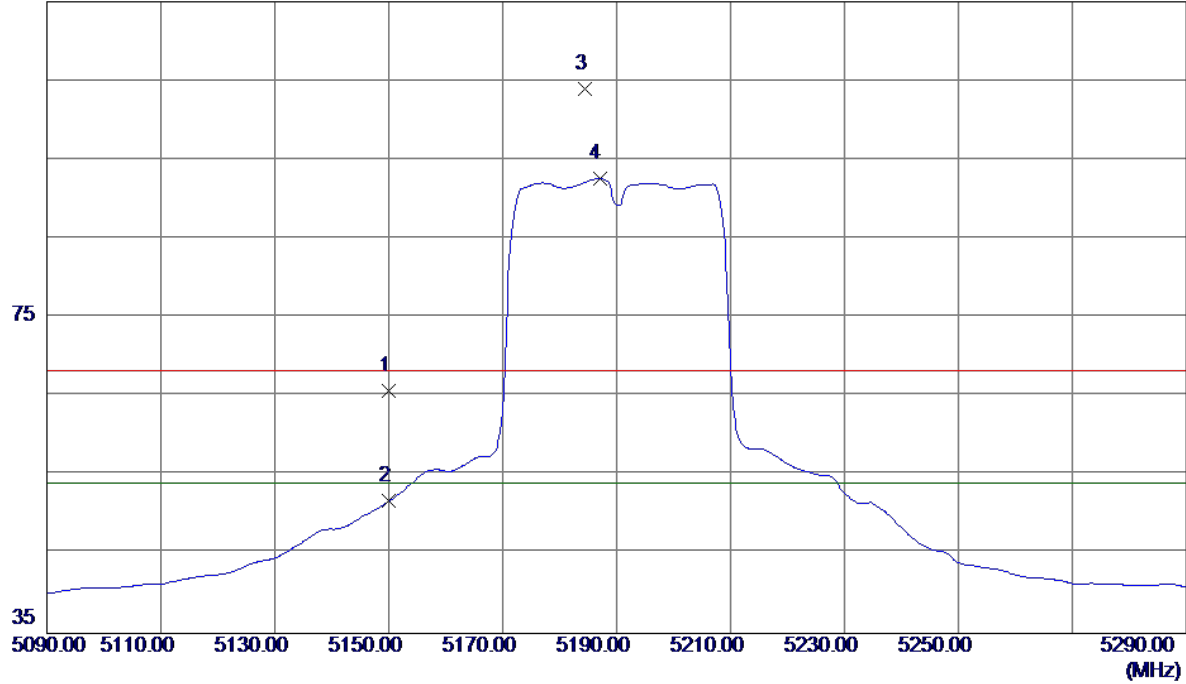


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10481.3500	47.44	16.63	64.07	68.30	-4.23	Peak	
2 *	10481.3500	35.69	16.63	52.32	54.00	-1.68	AVG	

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

Vertical

115 dBuV/m

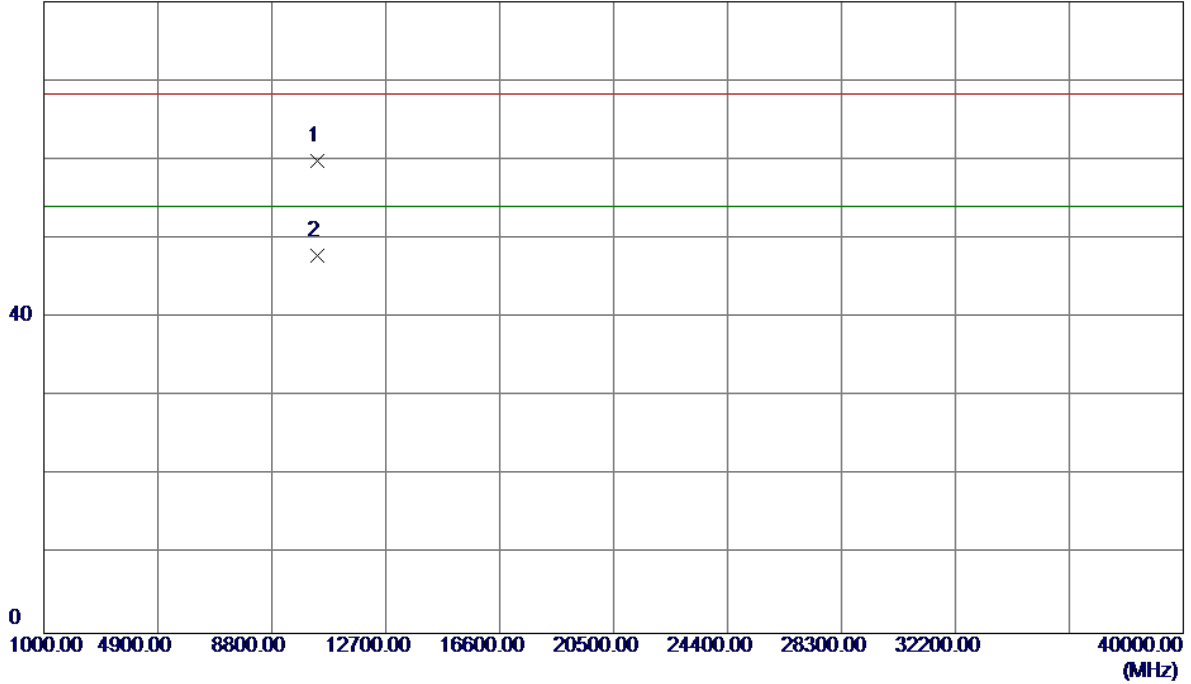


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	24.33	41.35	65.68	68.30	-2.62	Peak	
2	5150.0000	10.39	41.35	51.74	54.00	-2.26	AVG	
3	5184.4000	62.44	41.46	103.90	68.30	35.60	Peak	No Limit
4 *	5187.0000	51.16	41.47	92.63	54.00	38.63	AVG	No Limit

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

Vertical

80 dBuV/m

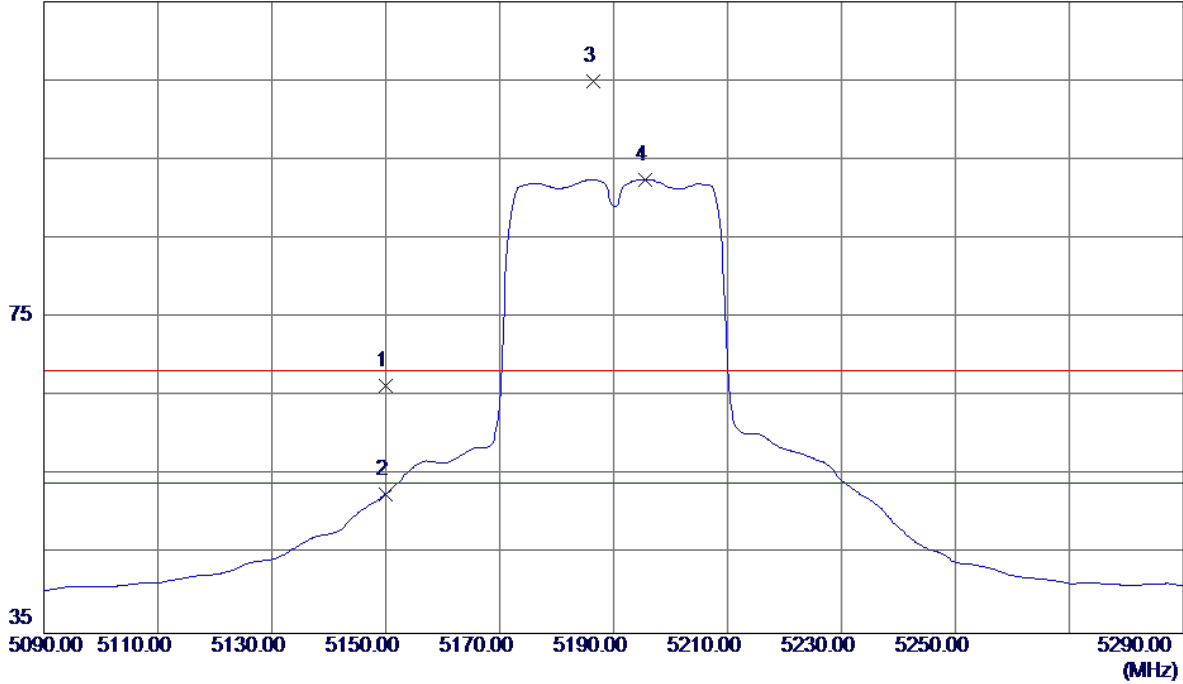


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10380.3000	43.38	16.40	59.78	68.30	-8.52	Peak	
2 *	10381.5000	31.43	16.41	47.84	54.00	-6.16	AVG	

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

Horizontal

115 dBuV/m

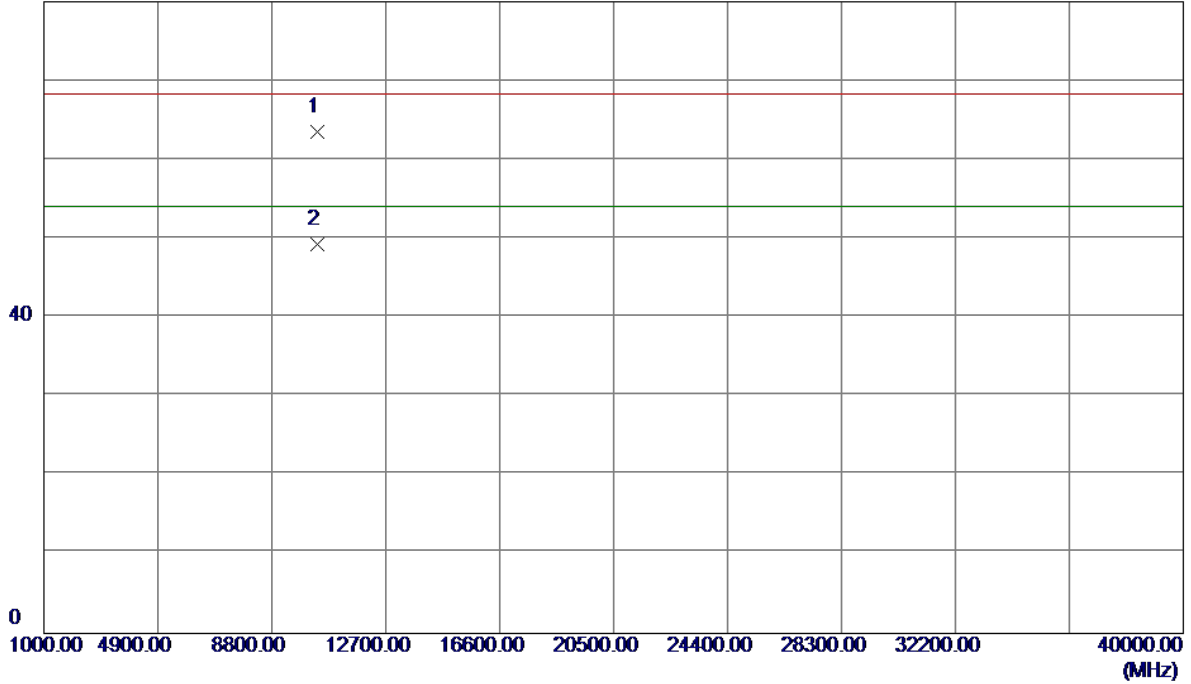


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	24.95	41.35	66.30	68.30	-2.00	Peak	
2	5150.0000	11.31	41.35	52.66	54.00	-1.34	AVG	
3	5186.4000	63.47	41.47	104.94	68.30	36.64	Peak	No Limit
4 *	5195.6000	51.01	41.50	92.51	54.00	38.51	AVG	No Limit

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

Horizontal

80 dBuV/m

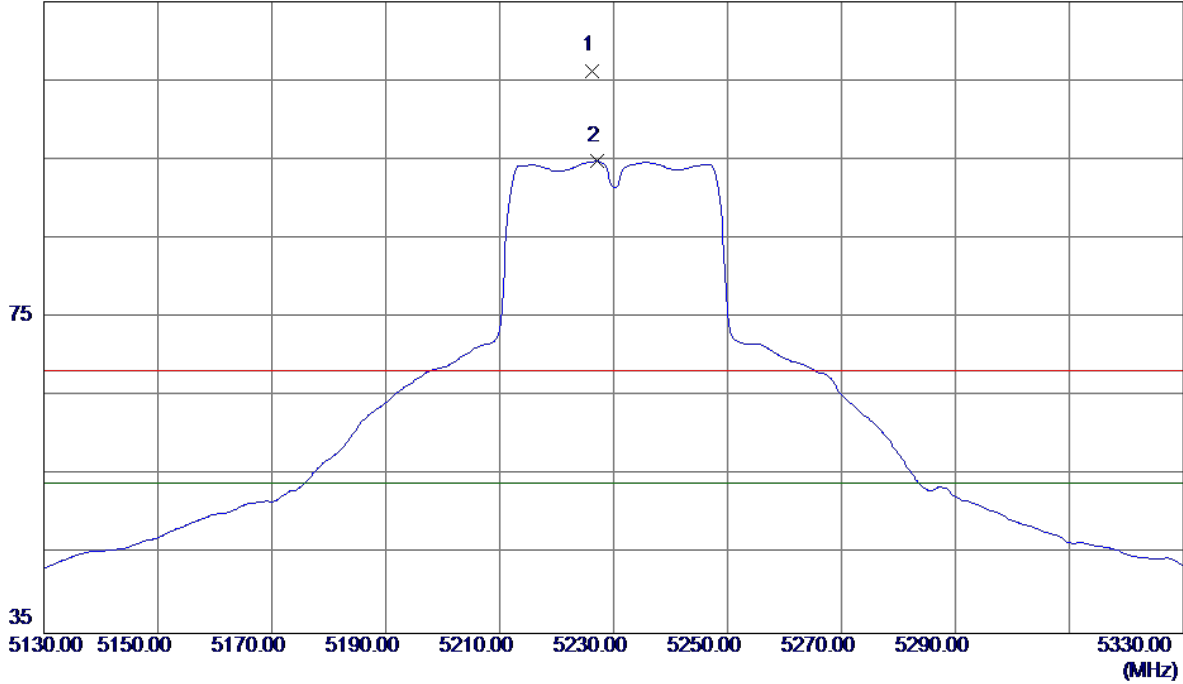


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10379.6000	47.14	16.40	63.54	68.30	-4.76	Peak	
2 *	10381.4000	32.94	16.41	49.35	54.00	-4.65	AVG	

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

Vertical

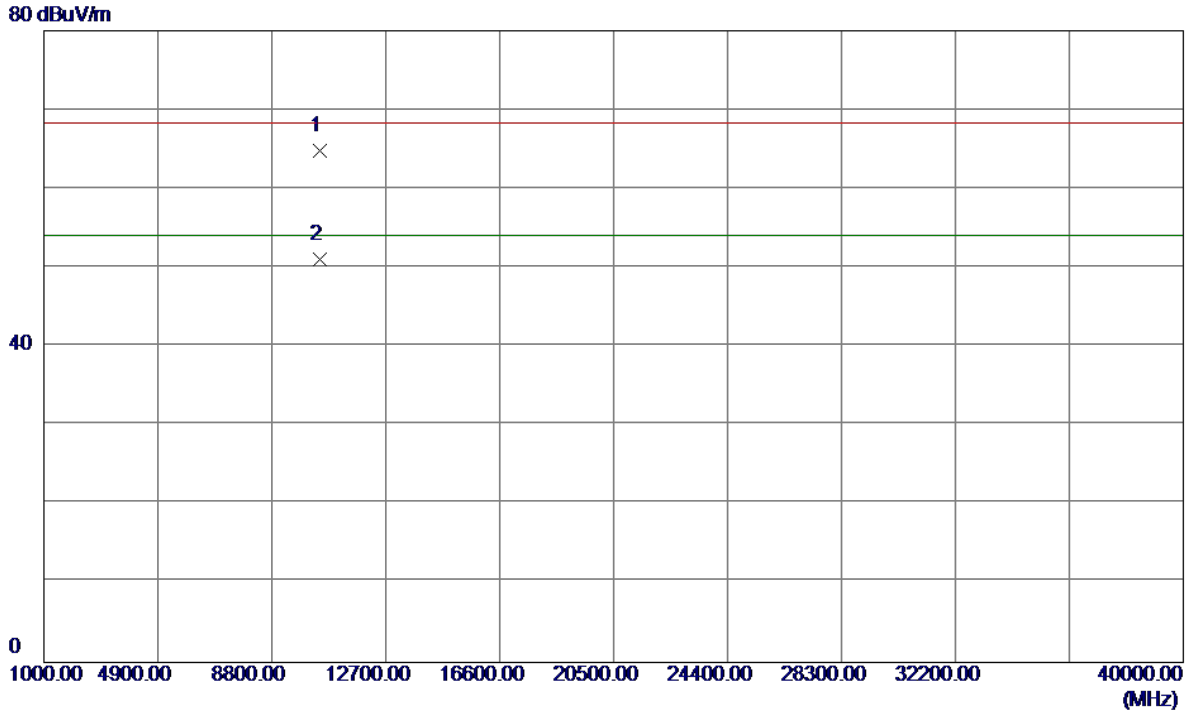
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5226.2000	64.68	41.60	106.28	68.30	37.98	Peak	No Limit
2 *	5227.2000	53.19	41.61	94.80	54.00	40.80	AVG	No Limit

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

Vertical

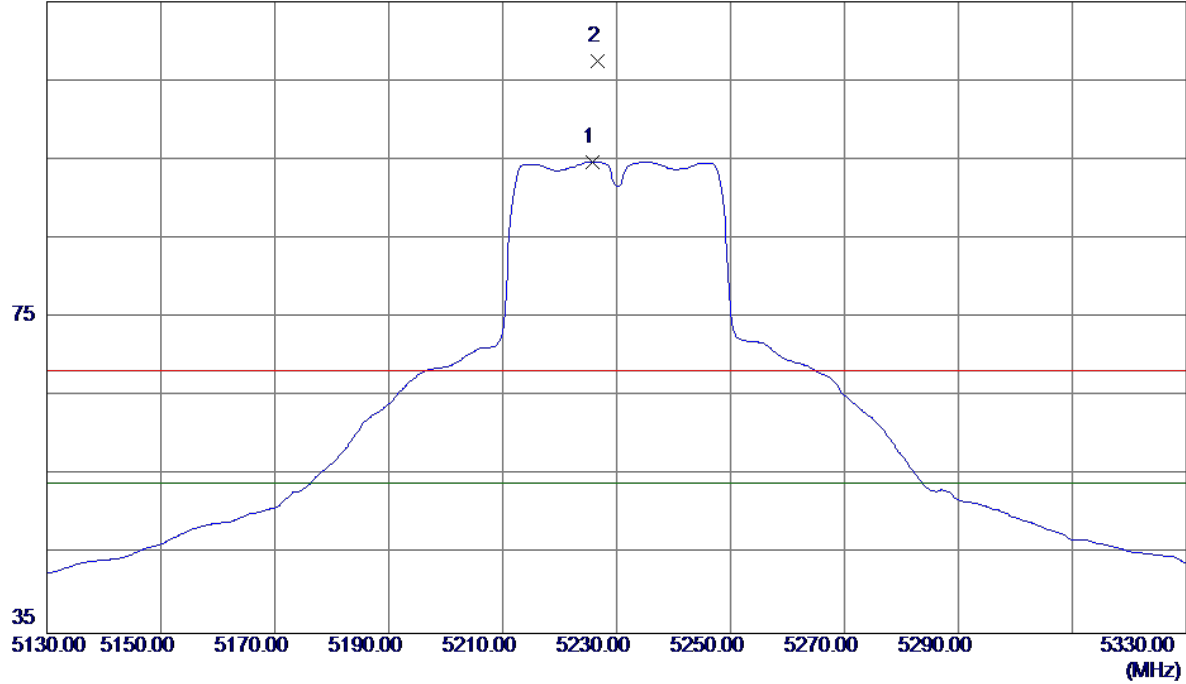


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10456.6000	48.30	16.57	64.87	68.30	-3.43	Peak	
2 *	10459.0000	34.54	16.58	51.12	54.00	-2.88	AVG	

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

Horizontal

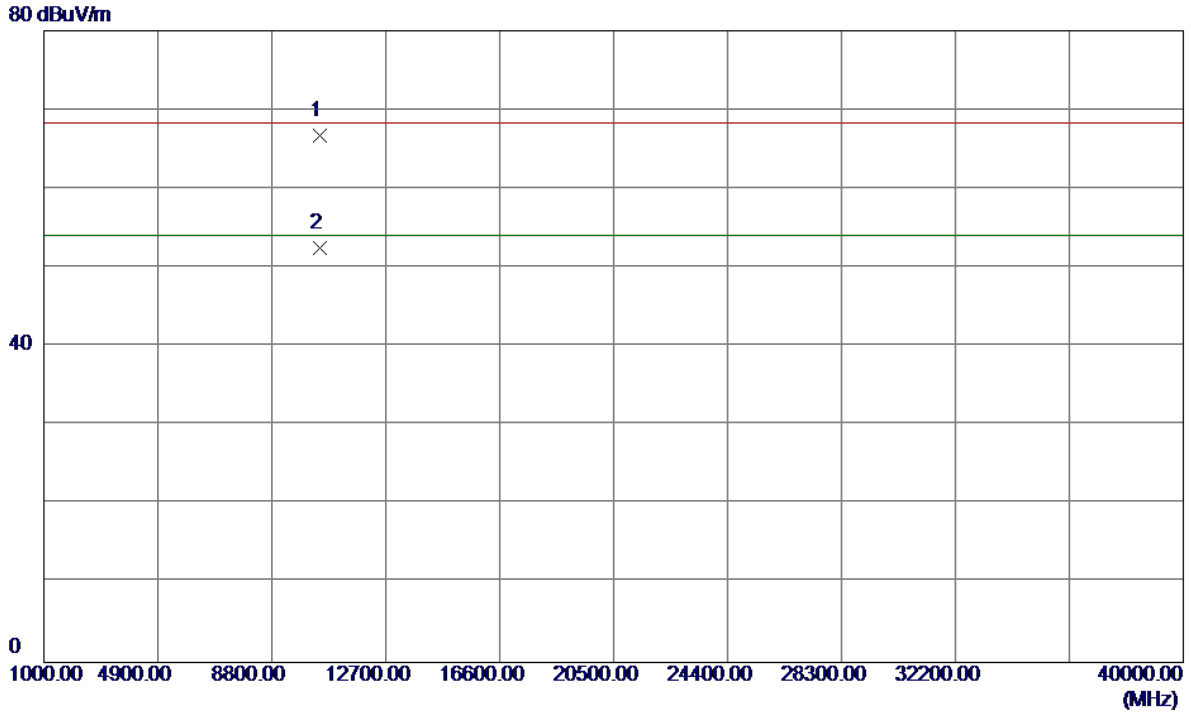
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5225.8000	53.13	41.60	94.73	54.00	40.73	AVG	No Limit
2	5226.6000	65.84	41.61	107.45	68.30	39.15	Peak	No Limit

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

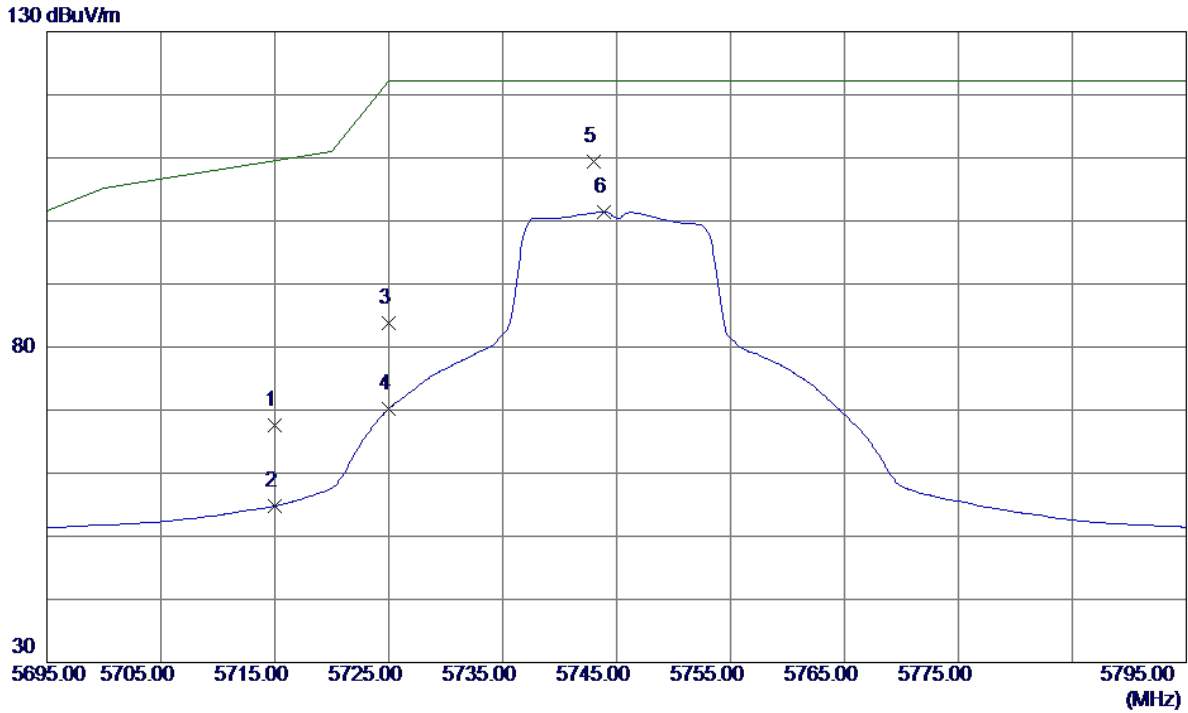
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10456.7000	50.14	16.57	66.71	68.30	-1.59	Peak	
2 *	10459.0000	35.89	16.58	52.47	54.00	-1.53	AVG	

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

Vertical

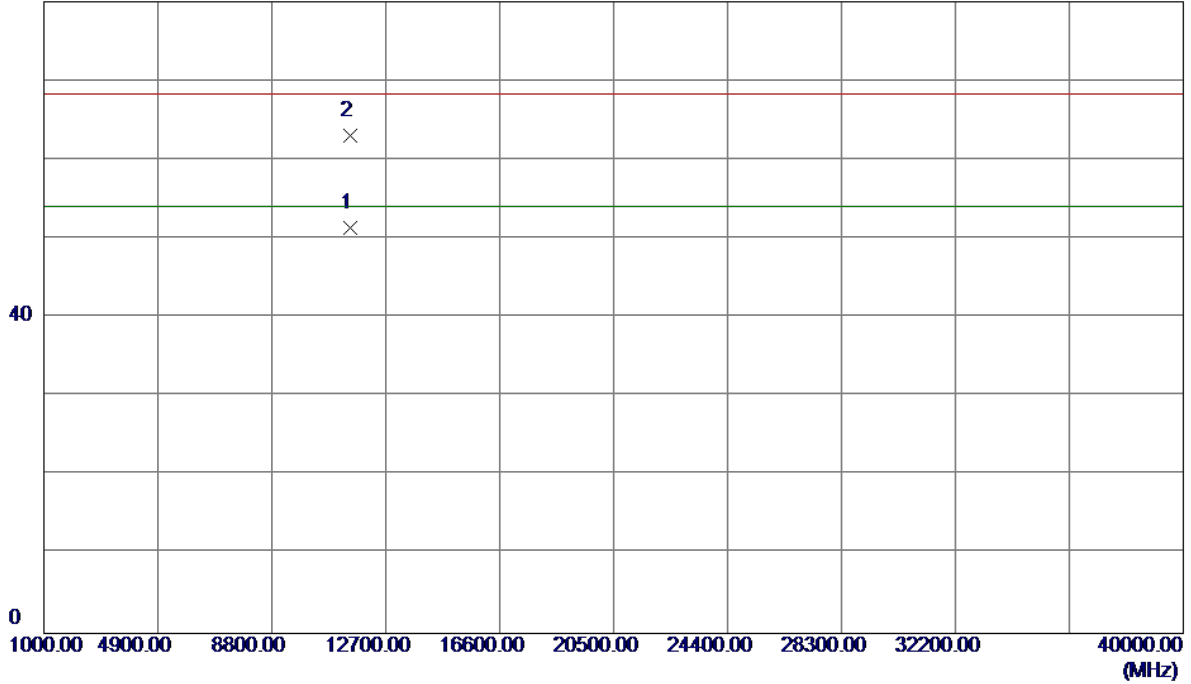


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	24.92	42.72	67.64	109.50	-41.86	Peak	
2	5715.0000	12.08	42.72	54.80	109.50	-54.70	AVG	
3	5725.0000	41.07	42.73	83.80	122.30	-38.50	Peak	
4	5725.0000	27.49	42.73	70.22	122.30	-52.08	AVG	
5 *	5743.0000	66.64	42.74	109.38	122.30	-12.92	Peak	
6	5743.9000	58.70	42.74	101.44	122.30	-20.86	AVG	

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

Vertical

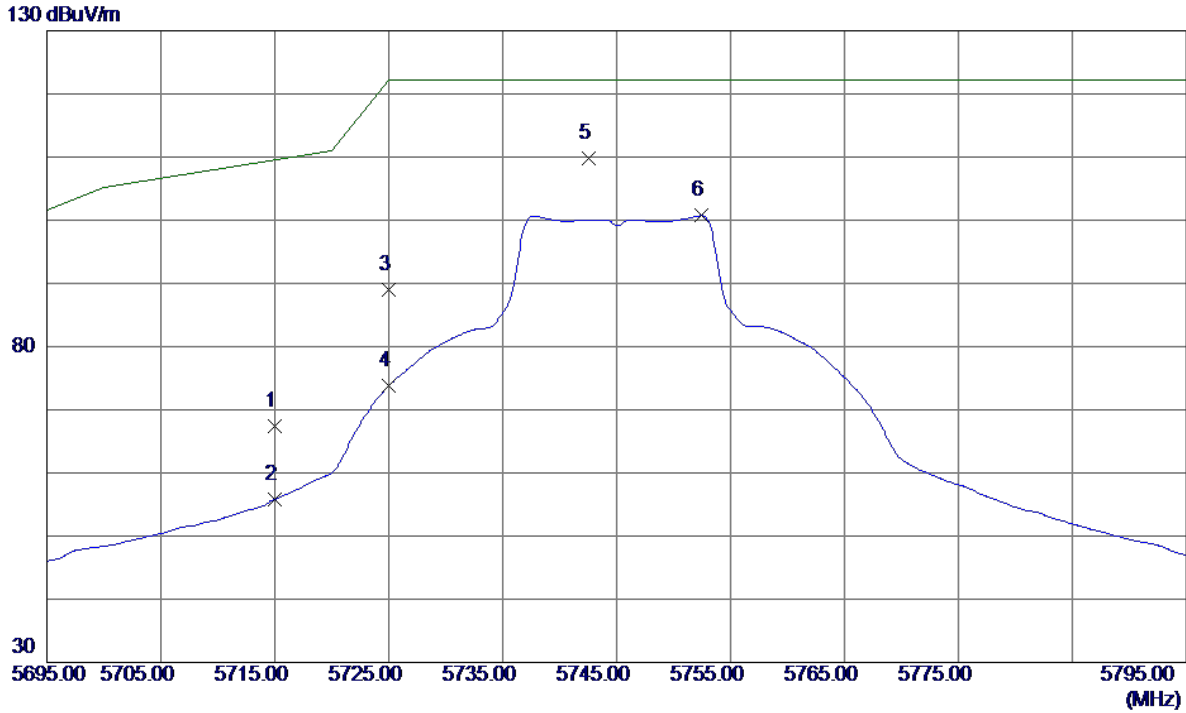
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11490.0000	33.47	17.89	51.36	54.00	-2.64	AVG	
2	11490.6000	45.15	17.89	63.04	68.30	-5.26	Peak	

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

Horizontal

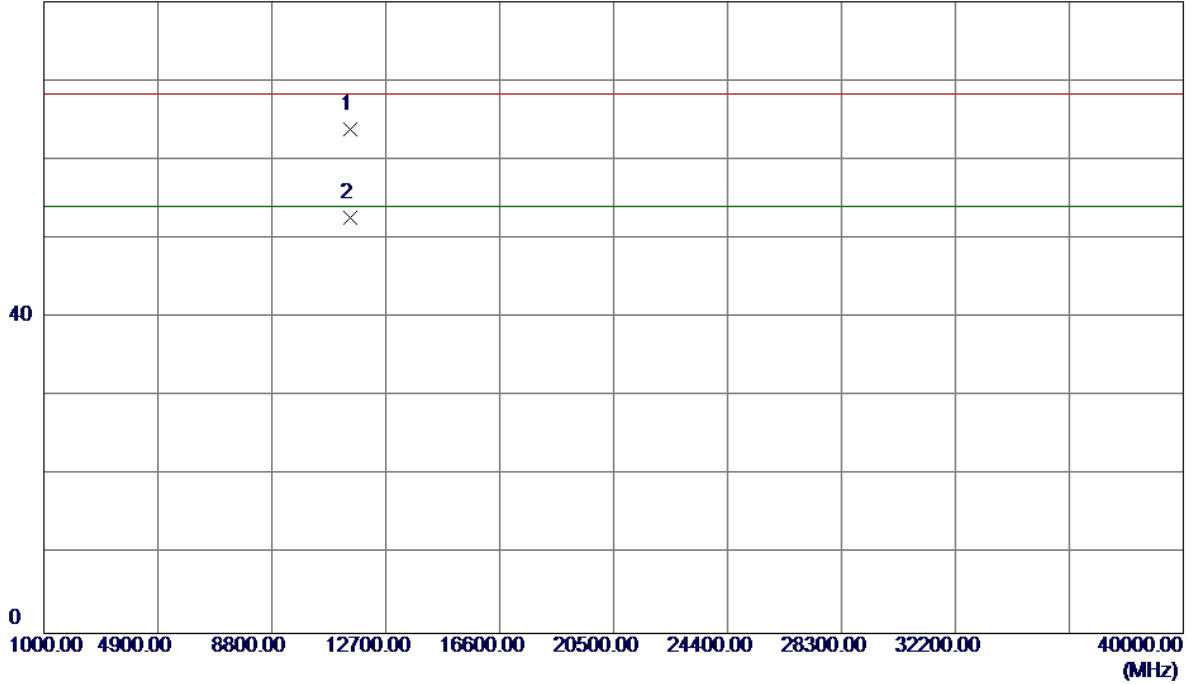


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	24.70	42.72	67.42	109.50	-42.08	Peak	
2	5715.0000	13.09	42.72	55.81	109.50	-53.69	AVG	
3	5725.0000	46.20	42.73	88.93	122.30	-33.37	Peak	
4	5725.0000	31.10	42.73	73.83	122.30	-48.47	AVG	
5 *	5742.6000	67.13	42.74	109.87	122.30	-12.43	Peak	
6	5752.4000	57.96	42.75	100.71	122.30	-21.59	AVG	

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

Horizontal

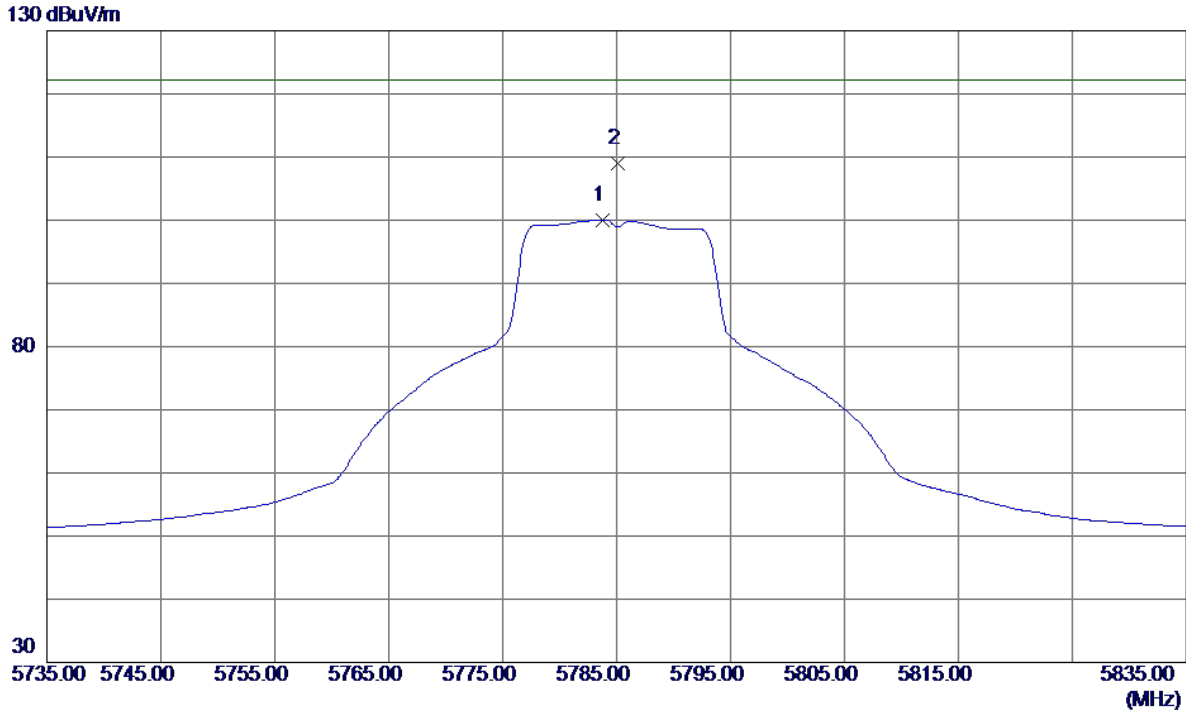
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11489.8000	46.00	17.89	63.89	68.30	-4.41	Peak	
2 *	11490.0000	34.80	17.89	52.69	54.00	-1.31	AVG	

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

Vertical

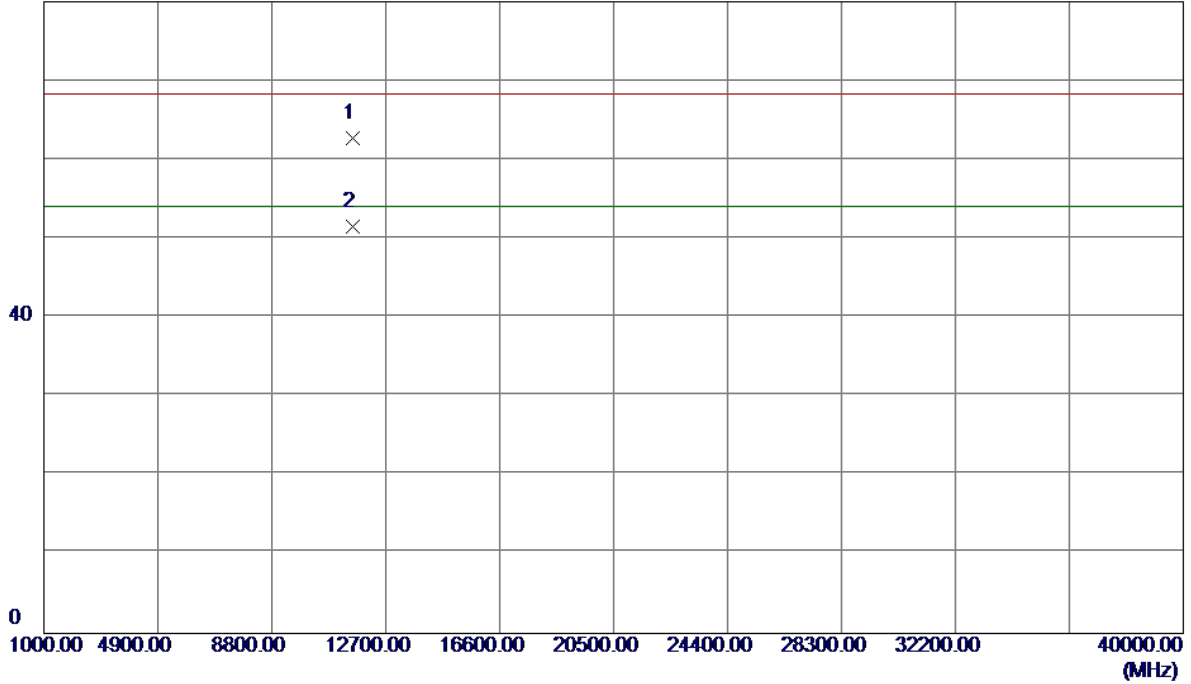


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5783.8000	57.30	42.78	100.08	122.30	-22.22	AVG	
2 *	5785.1000	66.16	42.78	108.94	122.30	-13.36	Peak	

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

Vertical

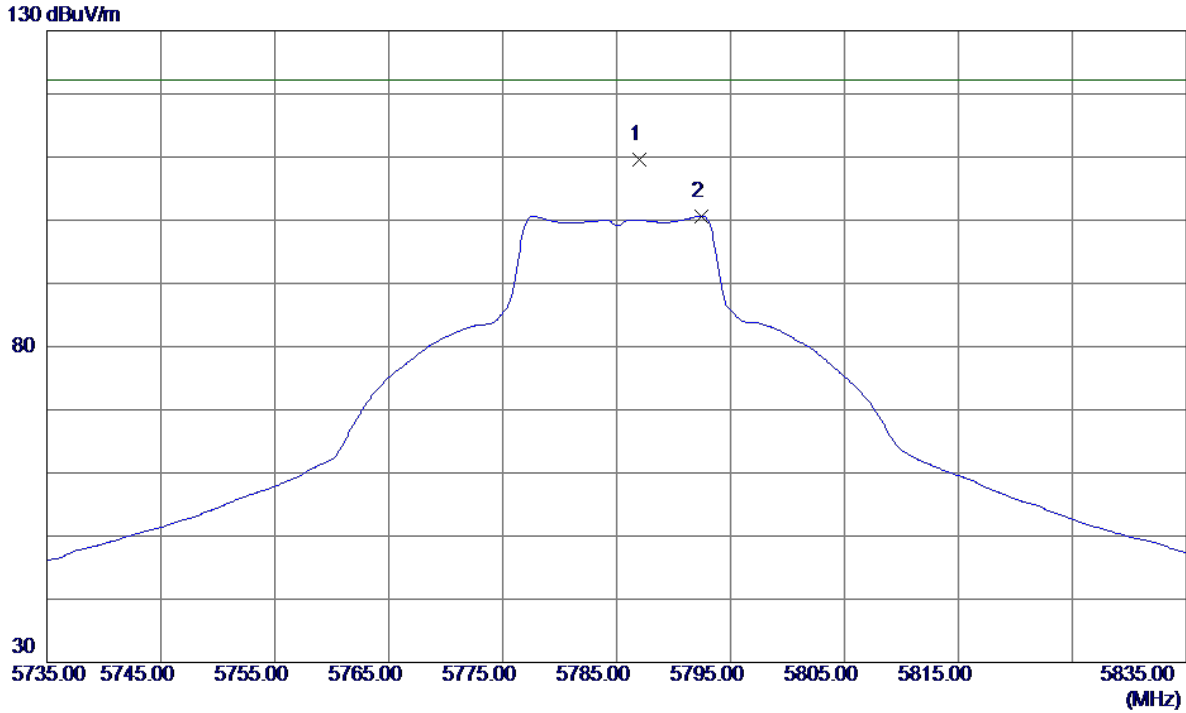
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11566.6000	44.88	17.85	62.73	68.30	-5.57	Peak	
2 *	11572.1000	33.71	17.85	51.56	54.00	-2.44	AVG	

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

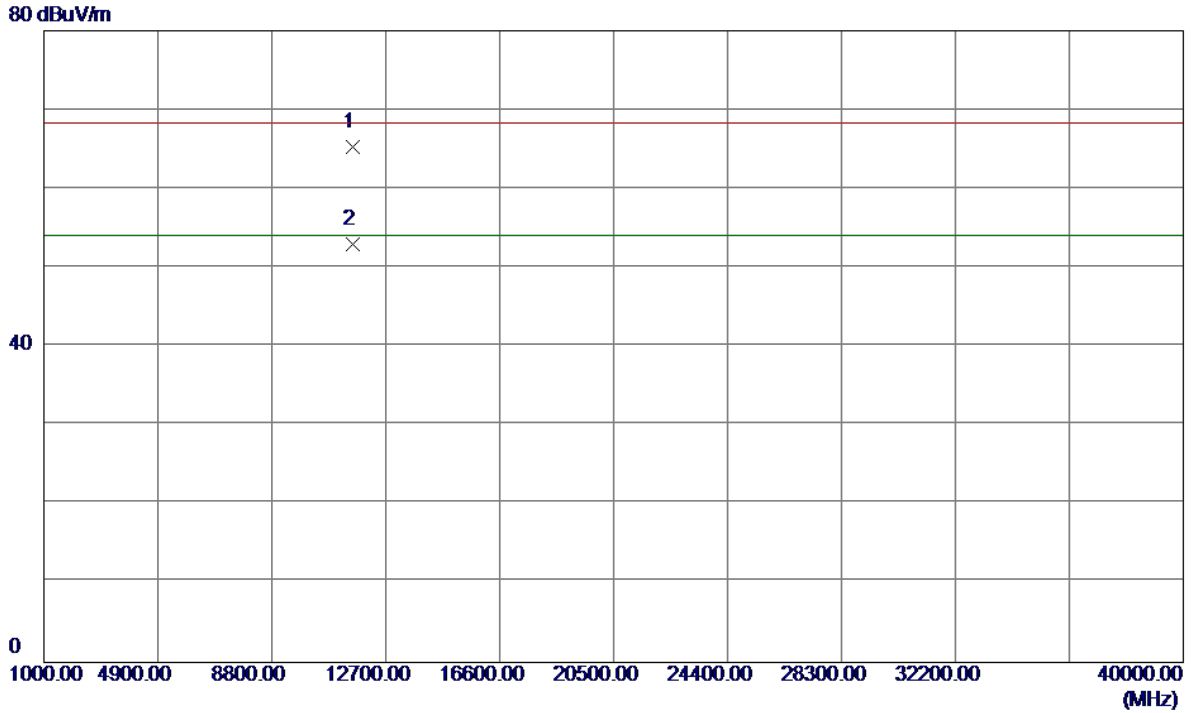
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5787.0000	66.77	42.78	109.55	122.30	-12.75	AVG	
2	5792.4000	57.90	42.79	100.69	122.30	-21.61	Peak	

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

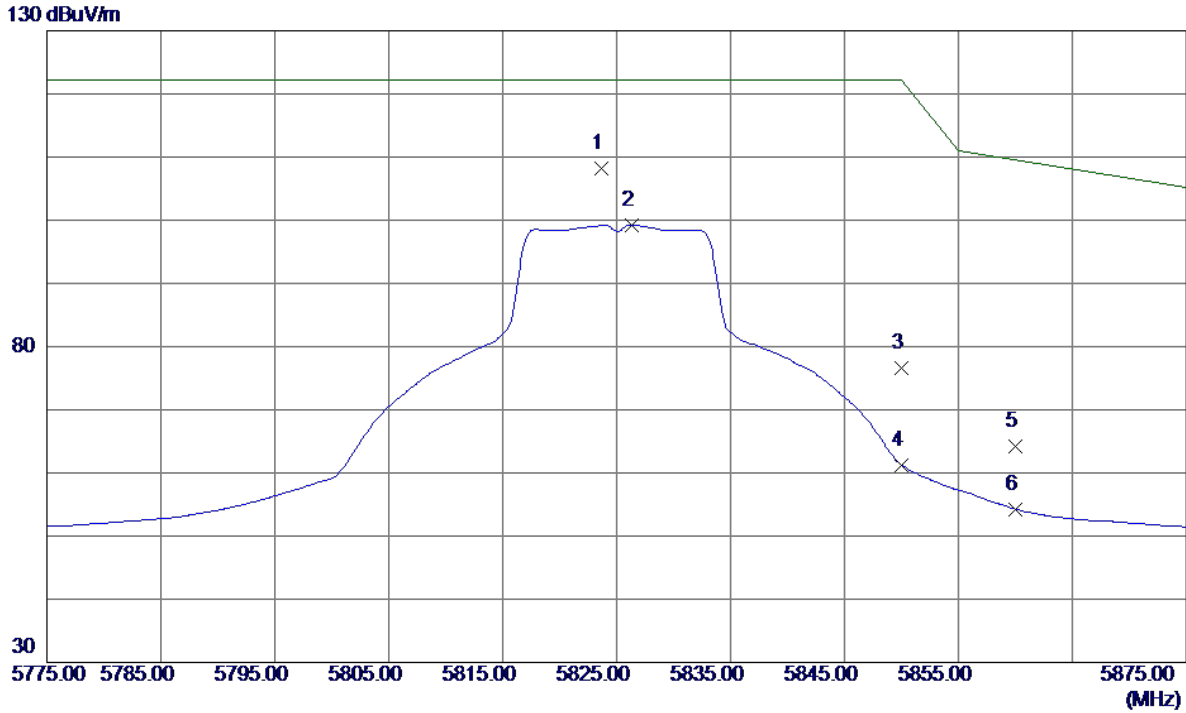
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11568.5000	47.49	17.85	65.34	68.30	-2.96	Peak	
2 *	11572.0000	35.04	17.85	52.89	54.00	-1.11	AVG	

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

Vertical

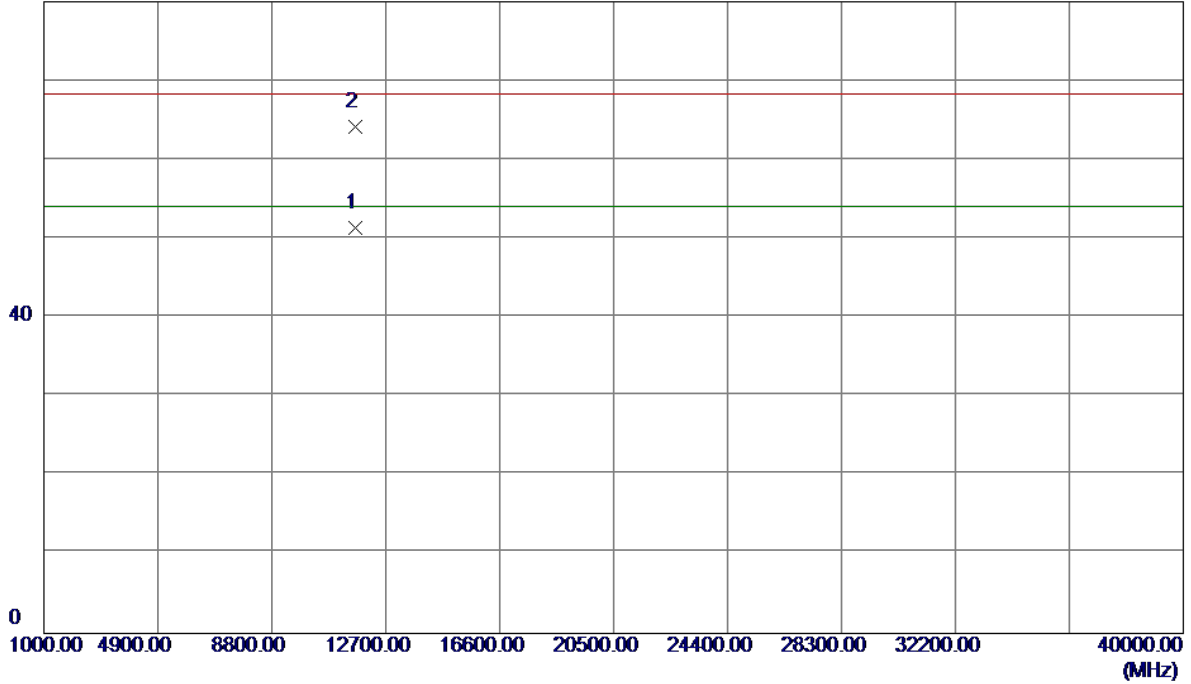


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5823.7000	65.30	42.81	108.11	122.30	-14.19	Peak	
2	5826.3000	56.41	42.82	99.23	122.30	-23.07	AVG	
3	5850.0000	33.81	42.84	76.65	122.30	-45.65	Peak	
4	5850.0000	18.41	42.84	61.25	122.30	-61.05	AVG	
5	5860.0000	21.41	42.85	64.26	109.50	-45.24	Peak	
6	5860.0000	11.39	42.85	54.24	109.50	-55.26	AVG	

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

Vertical

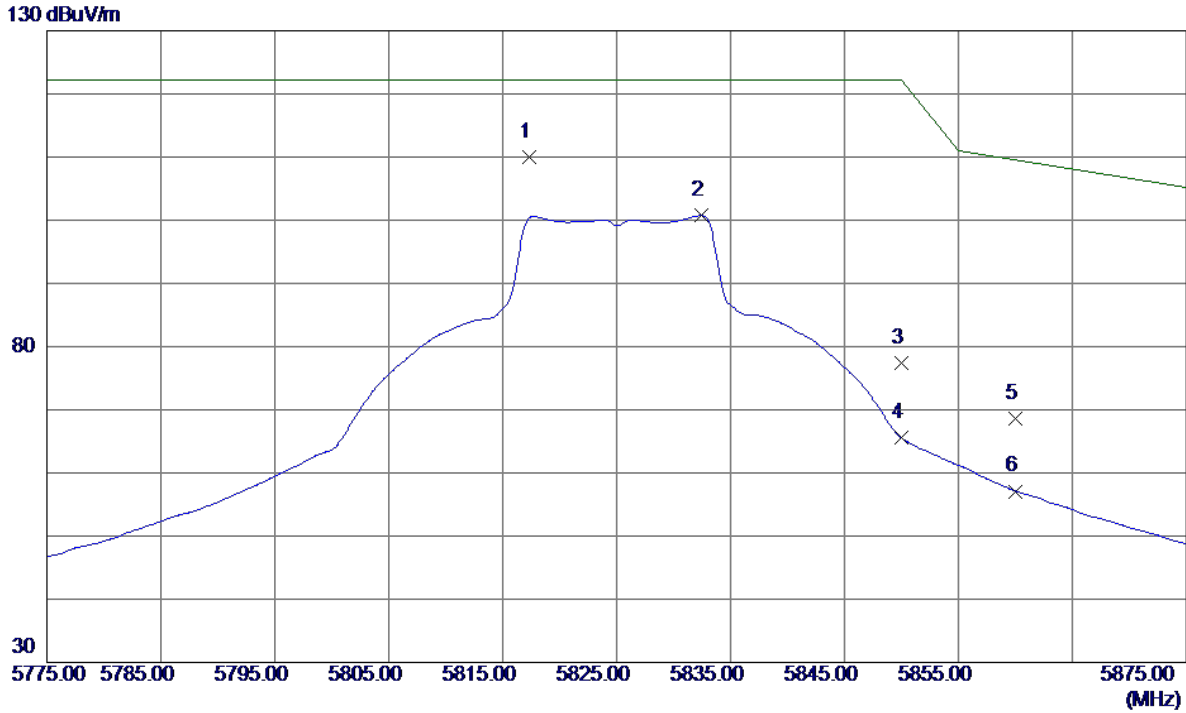
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11650.0000	33.62	17.79	51.41	54.00	-2.59	AVG	
2	11650.6000	46.41	17.79	64.20	68.30	-4.10	Peak	

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

Horizontal

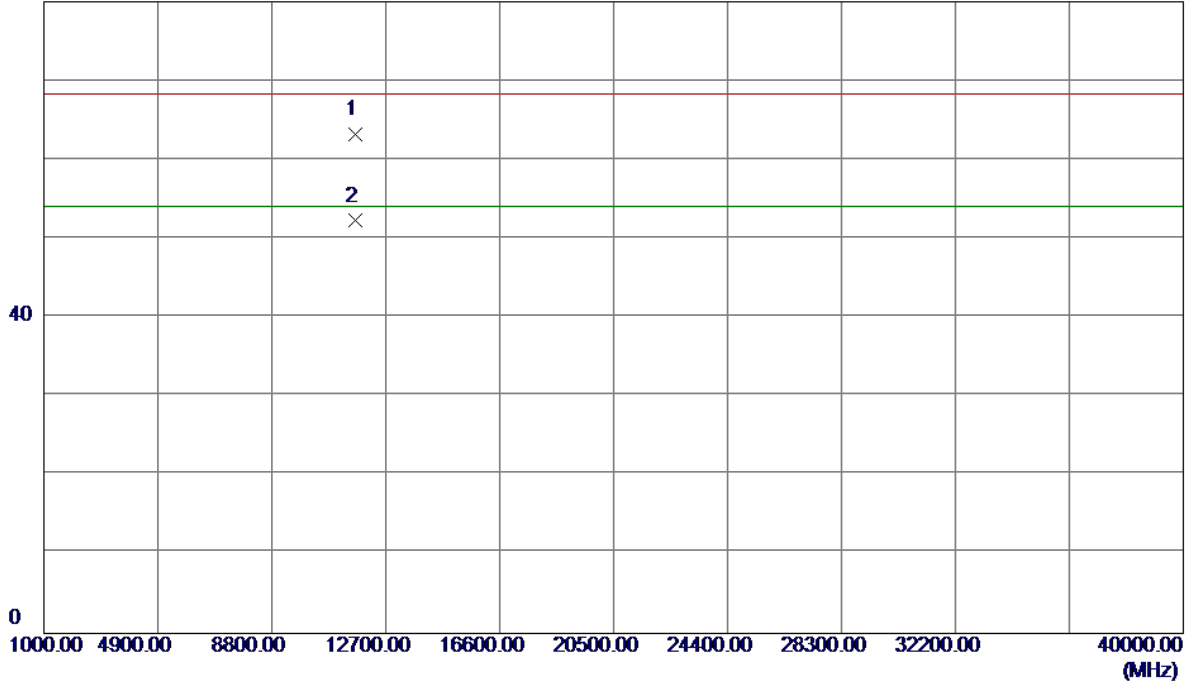


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5817.3000	67.19	42.81	110.00	122.30	-12.30	Peak	
2	5832.4000	57.94	42.82	100.76	122.30	-21.54	AVG	
3	5850.0000	34.52	42.84	77.36	122.30	-44.94	Peak	
4	5850.0000	22.67	42.84	65.51	122.30	-56.79	AVG	
5	5860.0000	25.70	42.85	68.55	109.50	-40.95	Peak	
6	5860.0000	14.25	42.85	57.10	109.50	-52.40	AVG	

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

Horizontal

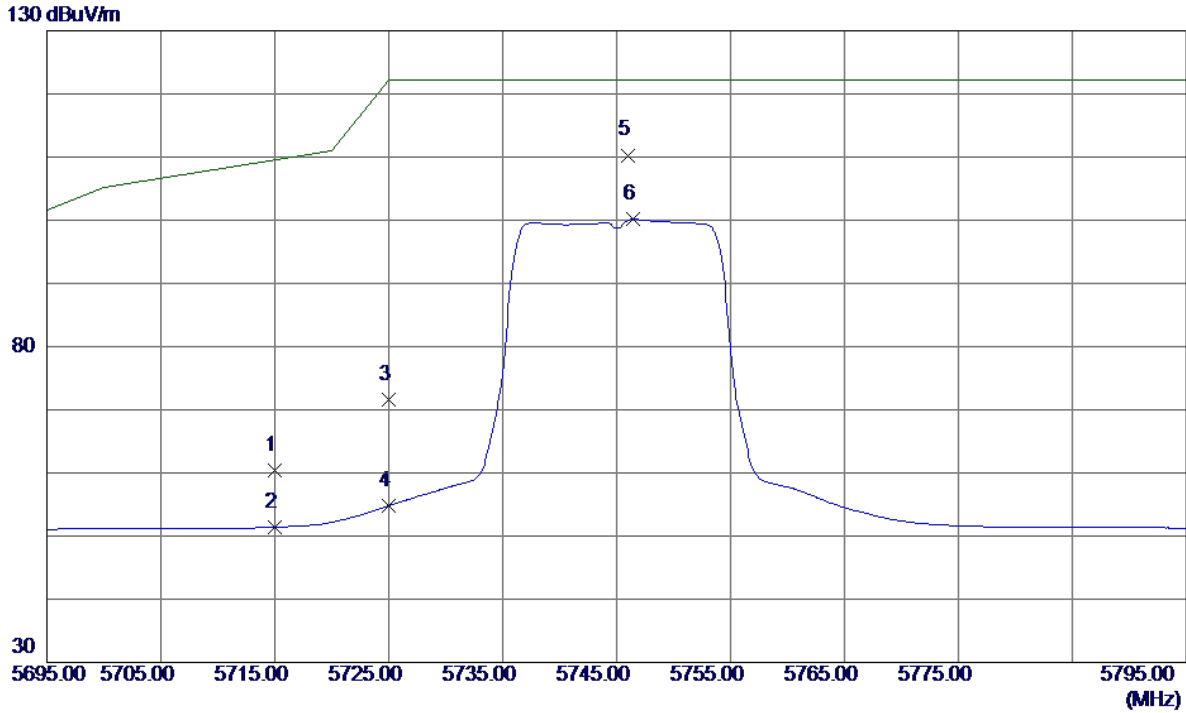
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11647.3000	45.45	17.79	63.24	68.30	-5.06	Peak	
2 *	11650.0000	34.45	17.79	52.24	54.00	-1.76	AVG	

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

Vertical

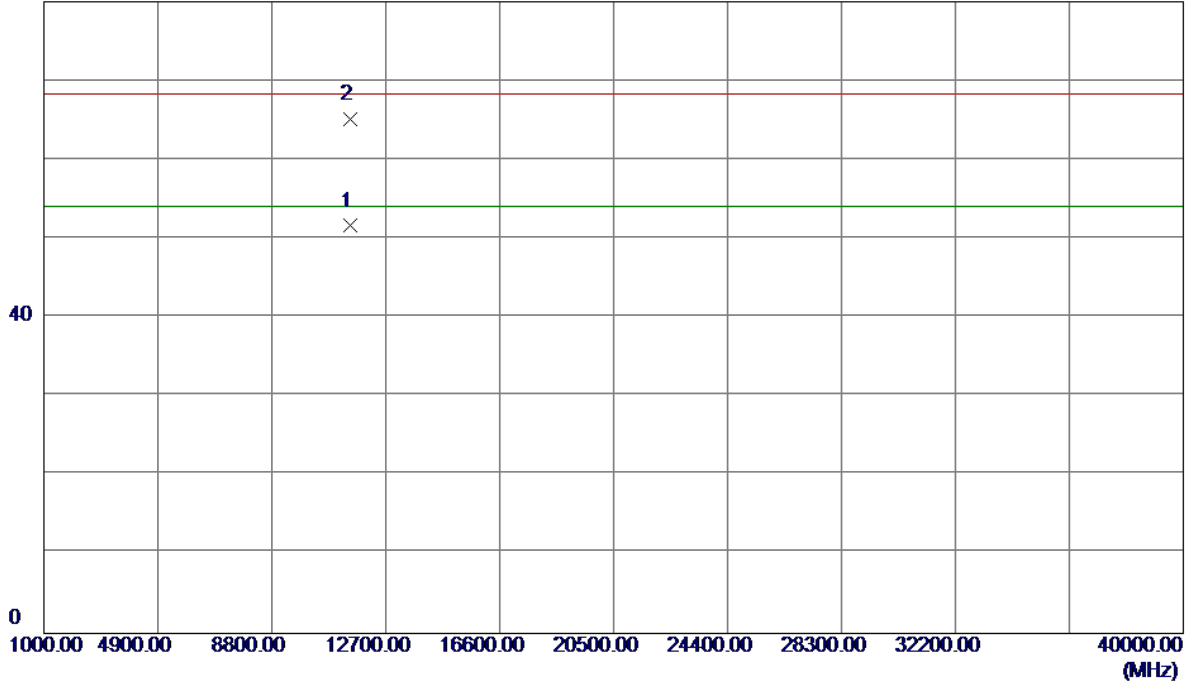


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	17.69	42.72	60.41	109.50	-49.09	Peak	
2	5715.0000	8.66	42.72	51.38	109.50	-58.12	AVG	
3	5725.0000	28.78	42.73	71.51	122.30	-50.79	Peak	
4	5725.0000	12.07	42.73	54.80	122.30	-67.50	AVG	
5 *	5746.0000	67.55	42.75	110.30	122.30	-12.00	Peak	
6	5746.4000	57.41	42.75	100.16	122.30	-22.14	AVG	

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

Vertical

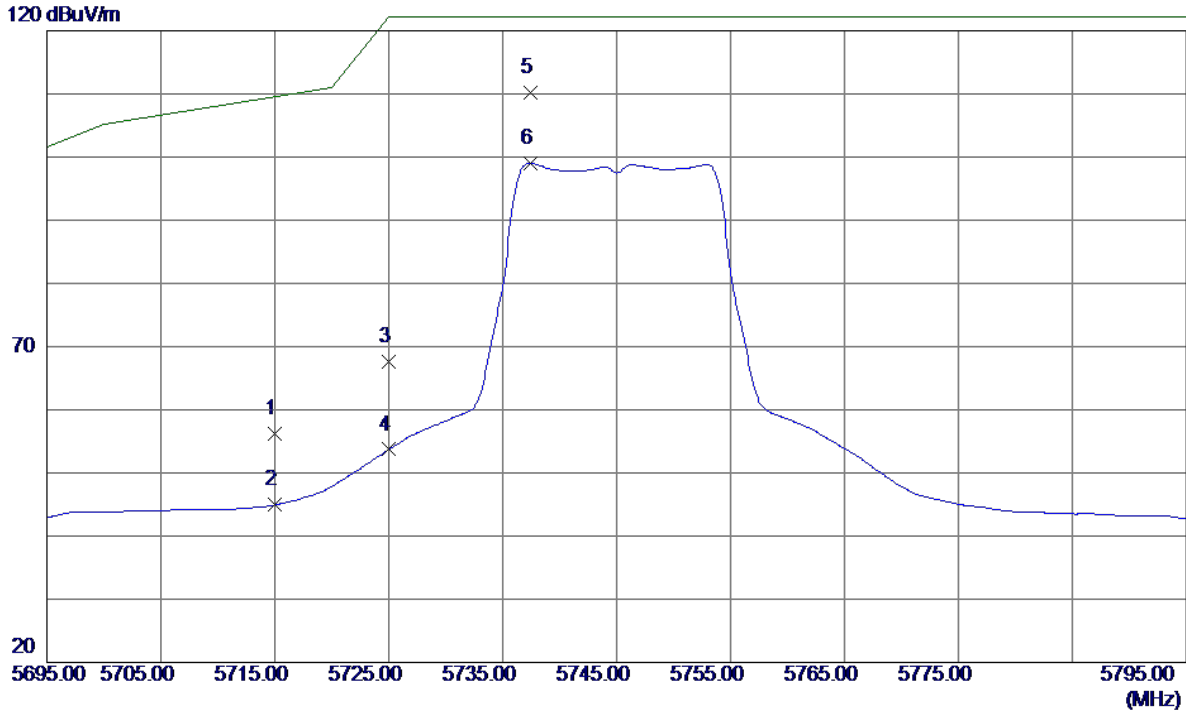
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11489.1000	33.71	17.89	51.60	54.00	-2.40	AVG	
2	11493.8000	47.19	17.90	65.09	68.30	-3.21	Peak	

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

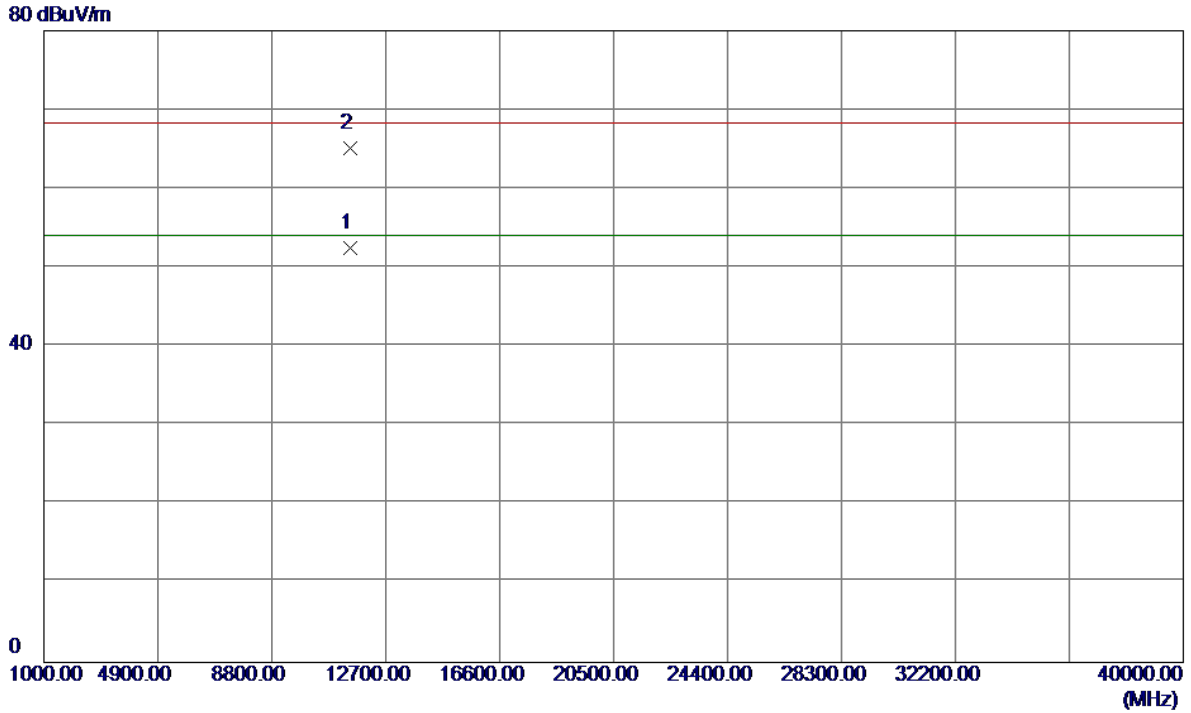
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	13.57	42.72	56.29	109.50	-53.21	Peak	
2	5715.0000	2.20	42.72	44.92	109.50	-64.58	AVG	
3	5725.0000	24.82	42.73	67.55	122.30	-54.75	Peak	
4	5725.0000	10.97	42.73	53.70	122.30	-68.60	AVG	
5 *	5737.4000	67.54	42.74	110.28	122.30	-12.02	Peak	
6	5737.4000	56.27	42.74	99.01	122.30	-23.29	AVG	

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

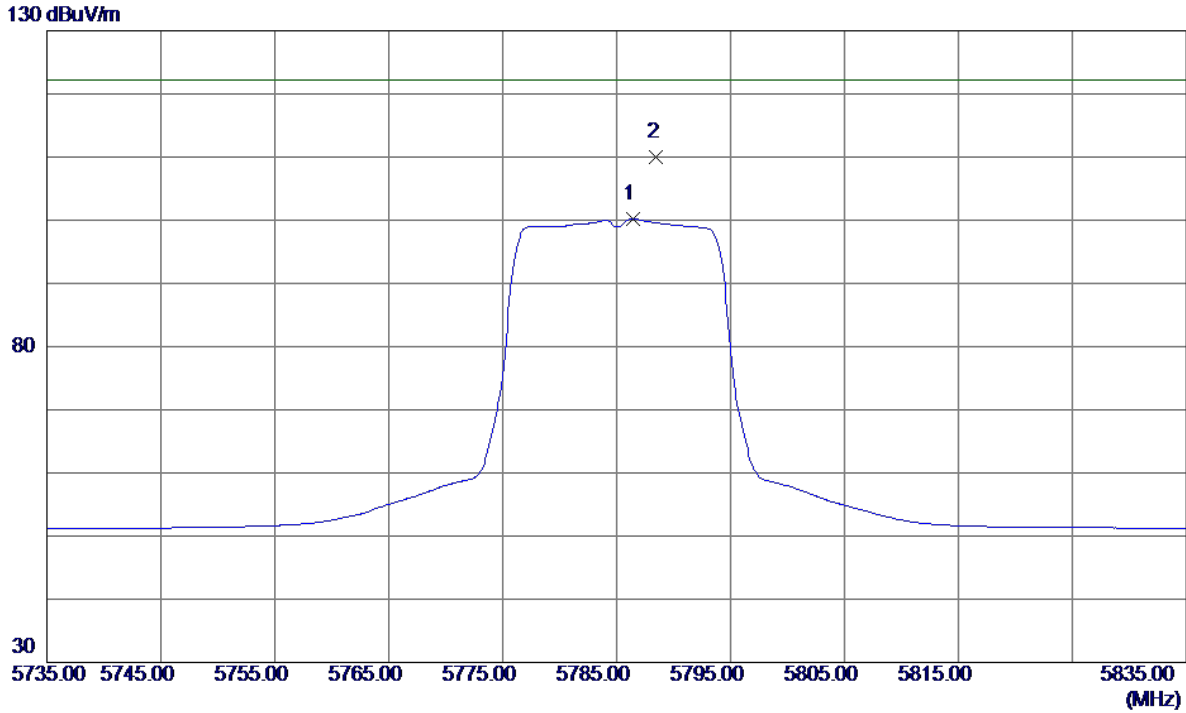
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11489.0000	34.64	17.89	52.53	54.00	-1.47	AVG	
2	11493.0000	47.23	17.89	65.12	68.30	-3.18	Peak	

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

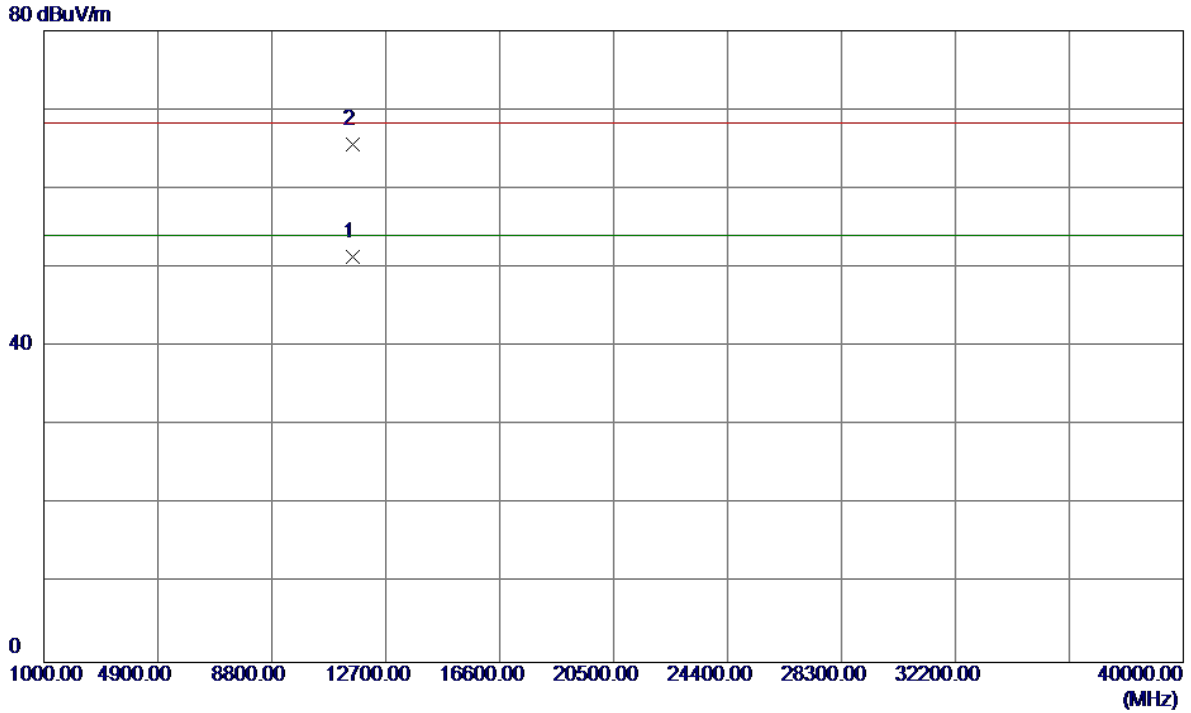
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5786.4000	57.44	42.78	100.22	122.30	-22.08	AVG	
2 *	5788.5000	67.15	42.78	109.93	122.30	-12.37	Peak	

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

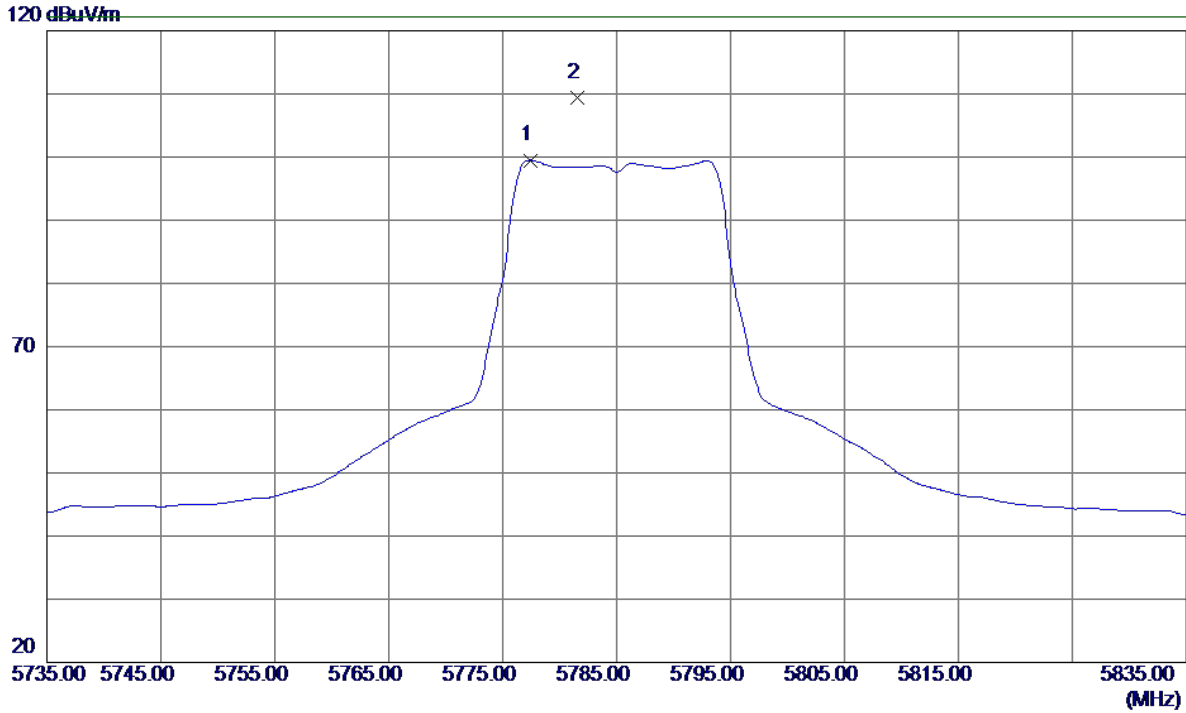
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11569.1000	33.48	17.85	51.33	54.00	-2.67	AVG	
2	11573.8000	47.72	17.85	65.57	68.30	-2.73	Peak	

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

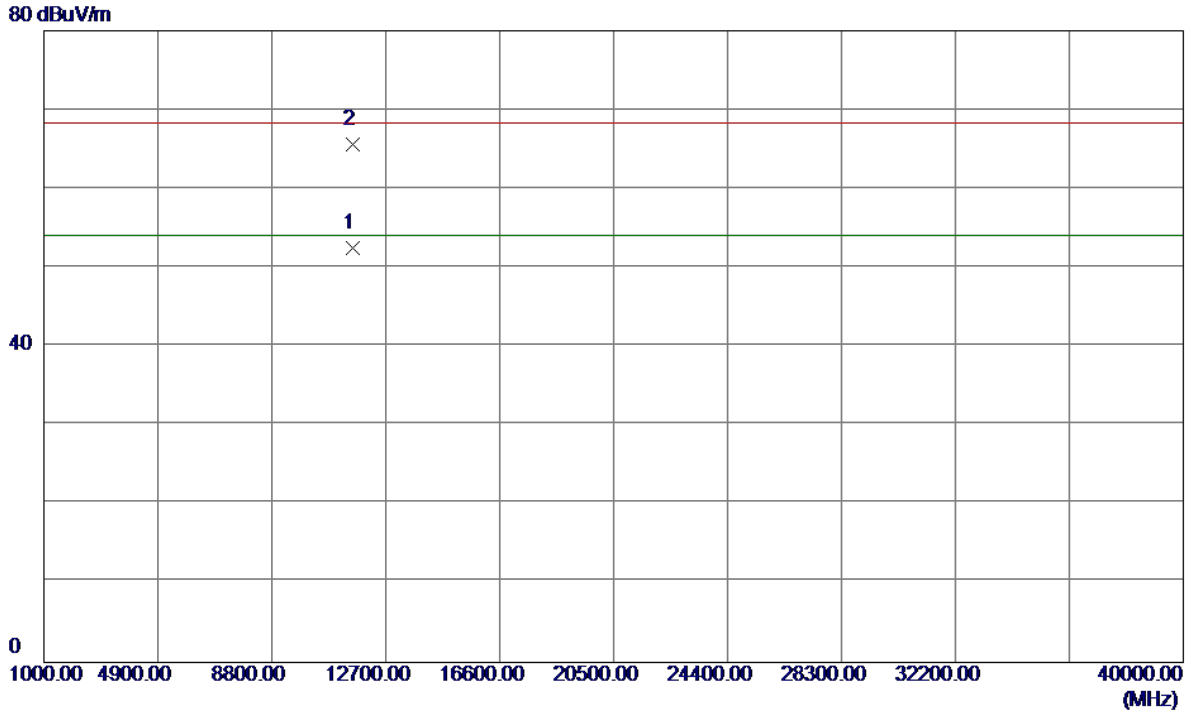
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5777.4000	56.73	42.77	99.50	122.30	-22.80	AVG	
2 *	5781.6000	66.68	42.78	109.46	122.30	-12.84	Peak	

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

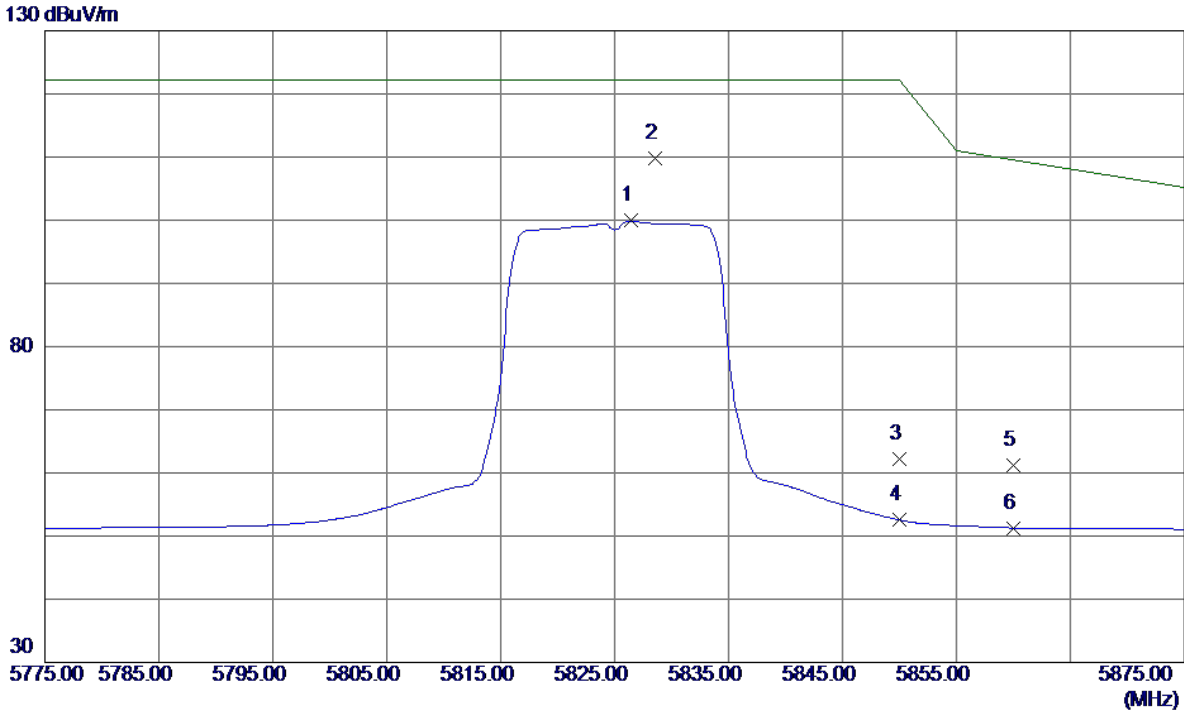
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11569.1000	34.68	17.85	52.53	54.00	-1.47	AVG	
2	11573.7000	47.75	17.85	65.60	68.30	-2.70	Peak	

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

Vertical

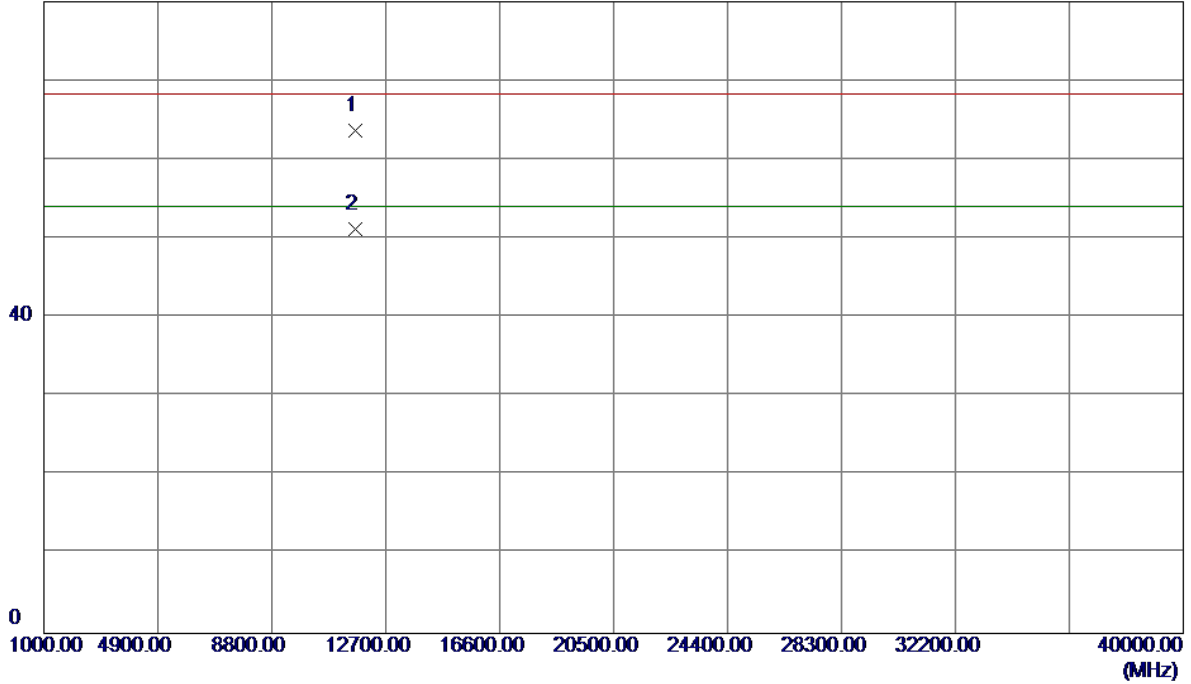


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5826.4000	57.08	42.82	99.90	122.30	-22.40	AVG	
2 *	5828.6000	66.93	42.82	109.75	122.30	-12.55	Peak	
3	5850.0000	19.29	42.84	62.13	122.30	-60.17	Peak	
4	5850.0000	9.70	42.84	52.54	122.30	-69.76	AVG	
5	5860.0000	18.30	42.85	61.15	109.50	-48.35	Peak	
6	5860.0000	8.42	42.85	51.27	109.50	-58.23	AVG	

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

Vertical

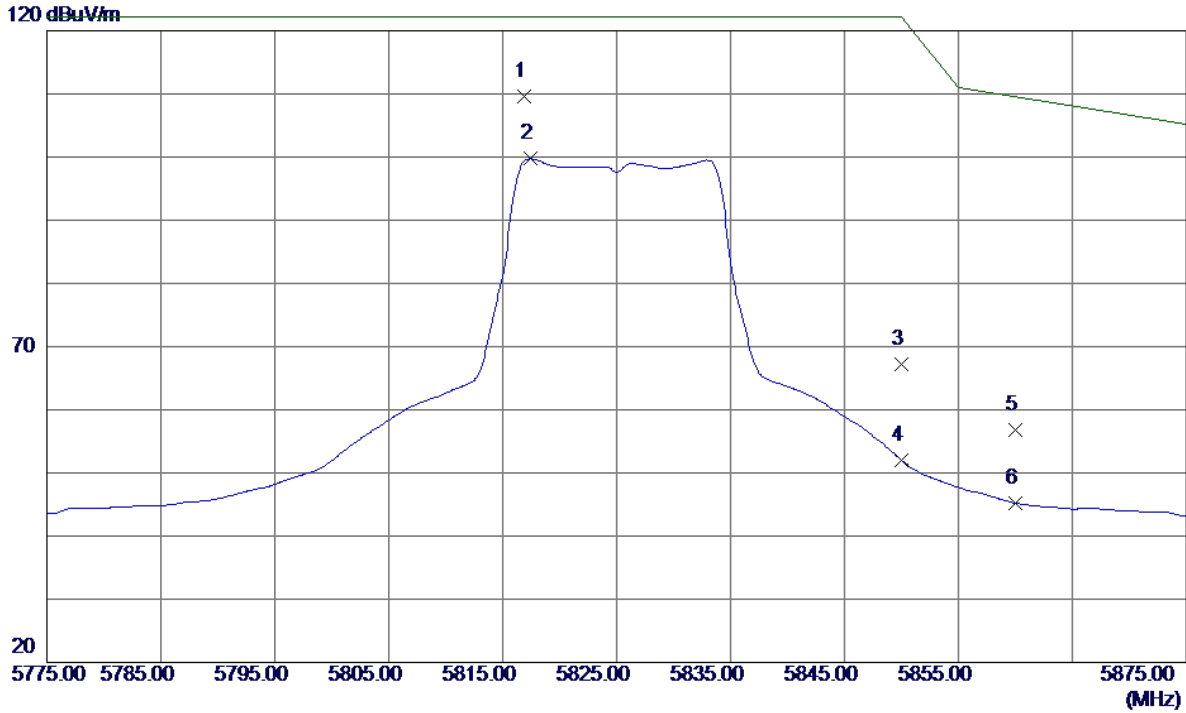
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11648.4000	45.95	17.79	63.74	68.30	-4.56	Peak	
2 *	11649.2000	33.39	17.79	51.18	54.00	-2.82	AVG	

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

Horizontal

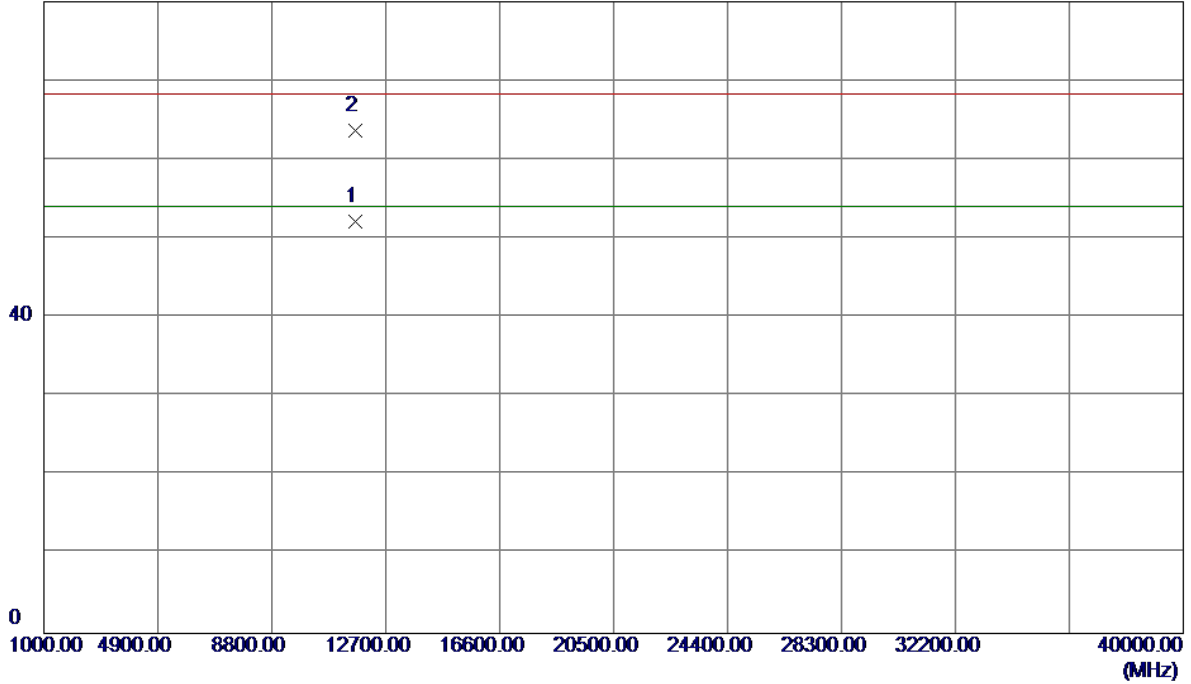


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5816.9000	66.82	42.81	109.63	122.30	-12.67	Peak	
2	5817.4000	56.91	42.81	99.72	122.30	-22.58	AVG	
3	5850.0000	24.33	42.84	67.17	122.30	-55.13	Peak	
4	5850.0000	9.17	42.84	52.01	122.30	-70.29	AVG	
5	5860.0000	13.92	42.85	56.77	109.50	-52.73	Peak	
6	5860.0000	2.36	42.85	45.21	109.50	-64.29	AVG	

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

Horizontal

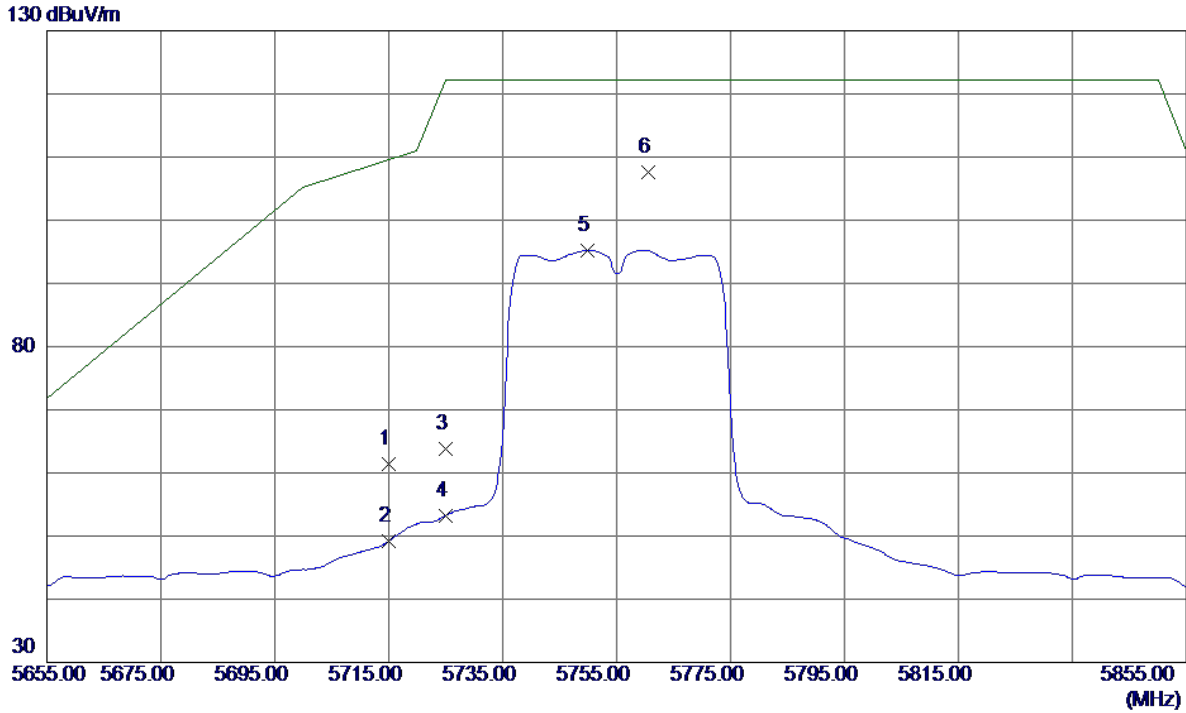
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11649.3000	34.44	17.79	52.23	54.00	-1.77	AVG	
2	11649.9000	45.96	17.79	63.75	68.30	-4.55	Peak	

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

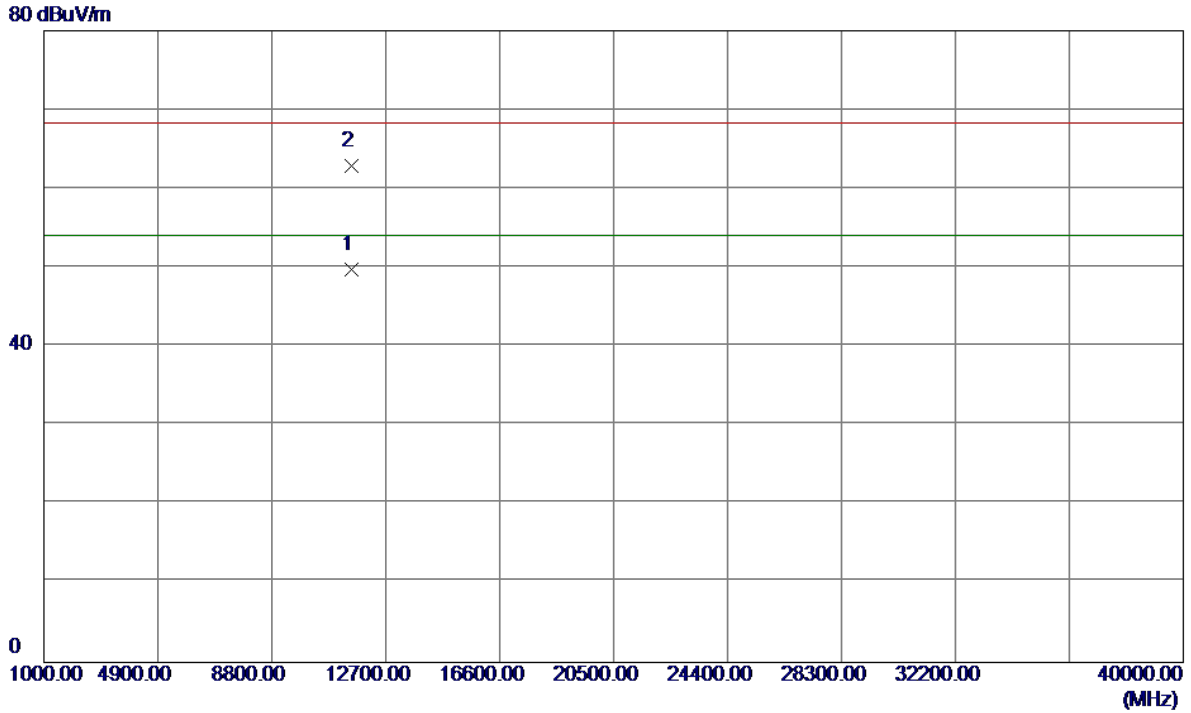
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	18.63	42.72	61.35	109.50	-48.15	Peak	
2	5715.0000	6.52	42.72	49.24	109.50	-60.26	AVG	
3	5725.0000	21.05	42.73	63.78	122.30	-58.52	Peak	
4	5725.0000	10.52	42.73	53.25	122.30	-69.05	AVG	
5	5749.8000	52.50	42.75	95.25	122.30	-27.05	AVG	
6 *	5760.6000	64.83	42.76	107.59	122.30	-14.71	Peak	

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

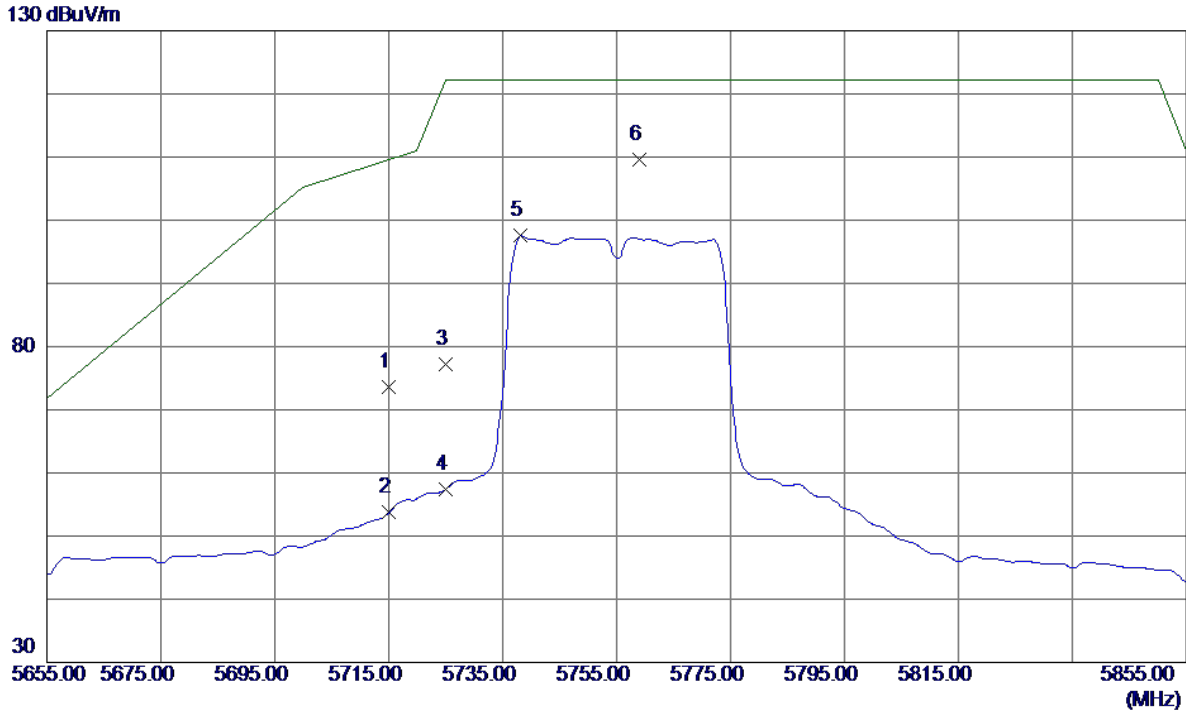
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11508.9000	31.81	17.90	49.71	54.00	-4.29	AVG	
2	11510.3000	45.03	17.90	62.93	68.30	-5.37	Peak	

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

Horizontal

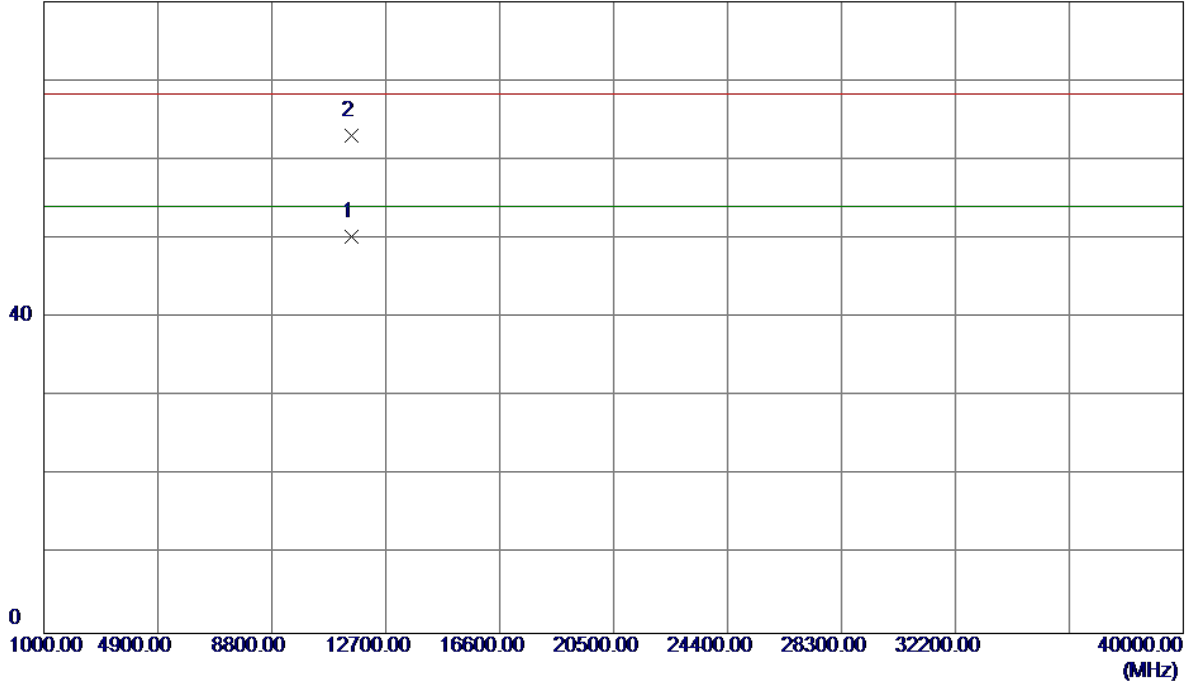


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	30.86	42.72	73.58	109.50	-35.92	Peak	
2	5715.0000	10.99	42.72	53.71	109.50	-55.79	AVG	
3	5725.0000	34.44	42.73	77.17	122.30	-45.13	Peak	
4	5725.0000	14.73	42.73	57.46	122.30	-64.84	AVG	
5	5738.2000	54.82	42.74	97.56	122.30	-24.74	AVG	
6 *	5759.0000	66.89	42.76	109.65	122.30	-12.65	Peak	

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

Horizontal

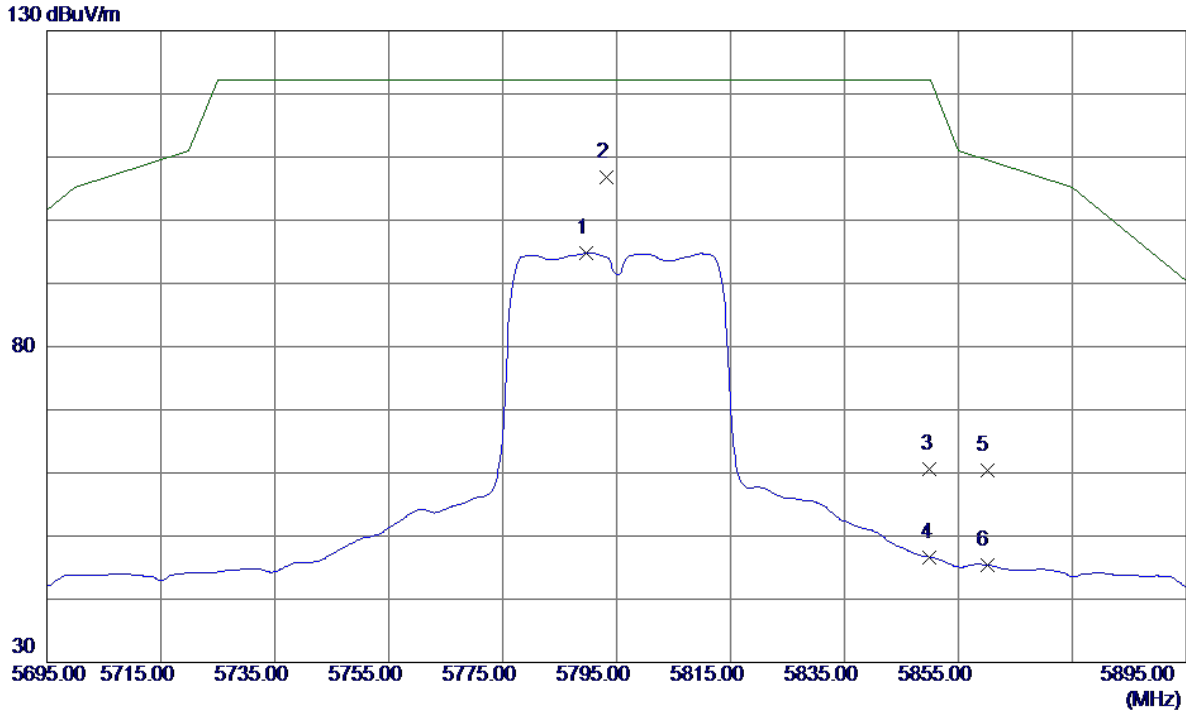
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11509.0000	32.28	17.90	50.18	54.00	-3.82	AVG	
2	11511.1000	45.07	17.90	62.97	68.30	-5.33	Peak	

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

Vertical

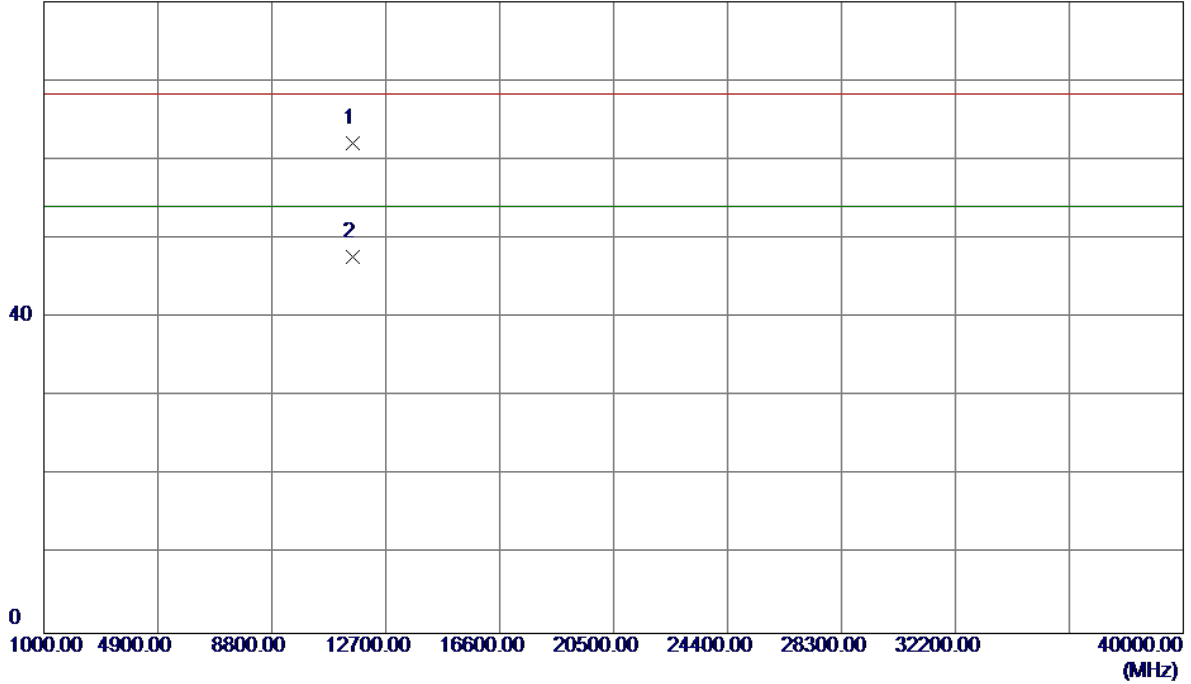


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5789.6000	52.00	42.78	94.78	122.30	-27.52	AVG	
2 *	5793.2000	63.98	42.79	106.77	122.30	-15.53	Peak	
3	5850.0000	17.74	42.84	60.58	122.30	-61.72	Peak	
4	5850.0000	3.79	42.84	46.63	122.30	-75.67	AVG	
5	5860.0000	17.58	42.85	60.43	109.50	-49.07	Peak	
6	5860.0000	2.60	42.85	45.45	109.50	-64.05	AVG	

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

Vertical

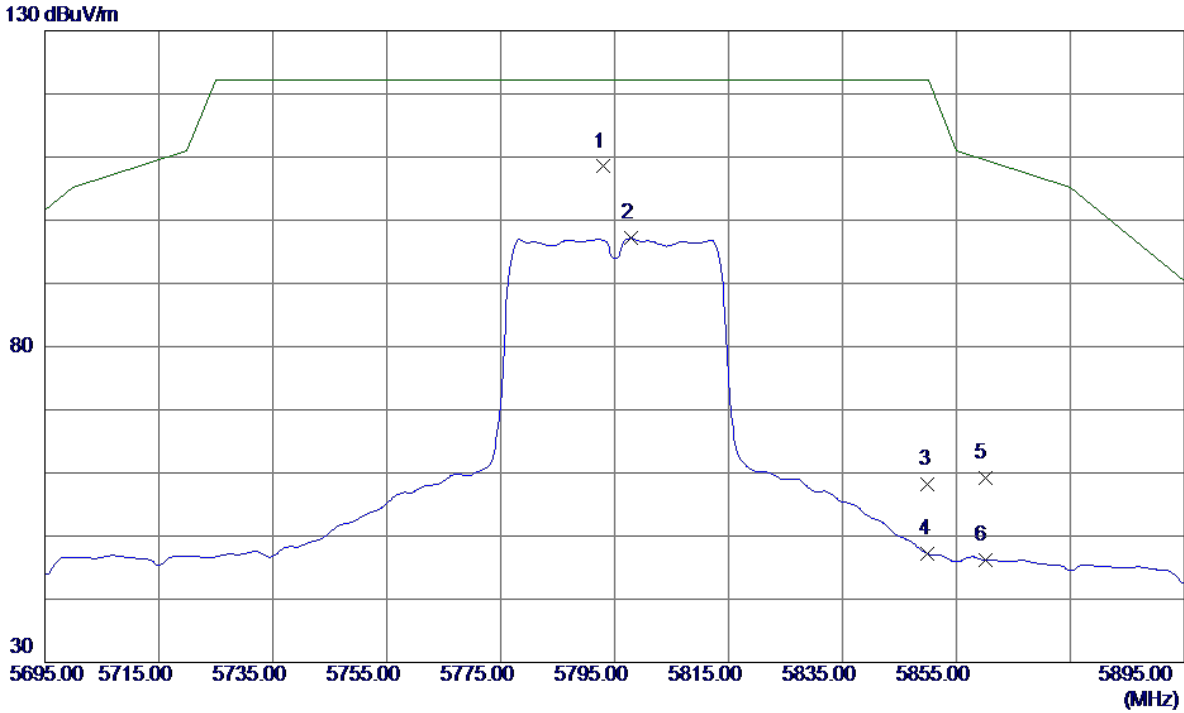
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11588.9000	44.19	17.83	62.02	68.30	-6.28	Peak	
2	11588.9000	29.86	17.83	47.69	54.00	-6.31	AVG	

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

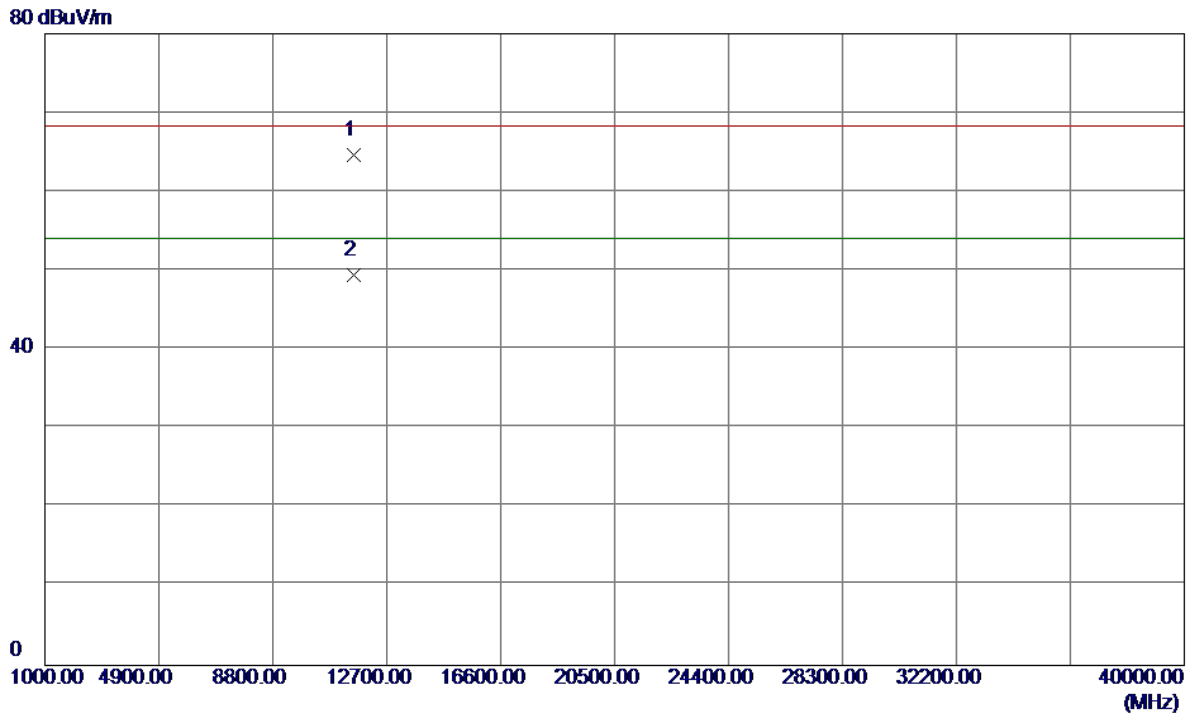
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5793.0000	65.71	42.79	108.50	122.30	-13.80	Peak	
2	5797.8000	54.33	42.79	97.12	122.30	-25.18	AVG	
3	5850.0000	15.31	42.84	58.15	122.30	-64.15	Peak	
4	5850.0000	4.32	42.84	47.16	122.30	-75.14	AVG	
5	5860.0000	16.33	42.85	59.18	109.50	-50.32	Peak	
6	5860.0000	3.33	42.85	46.18	109.50	-63.32	AVG	

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

Horizontal

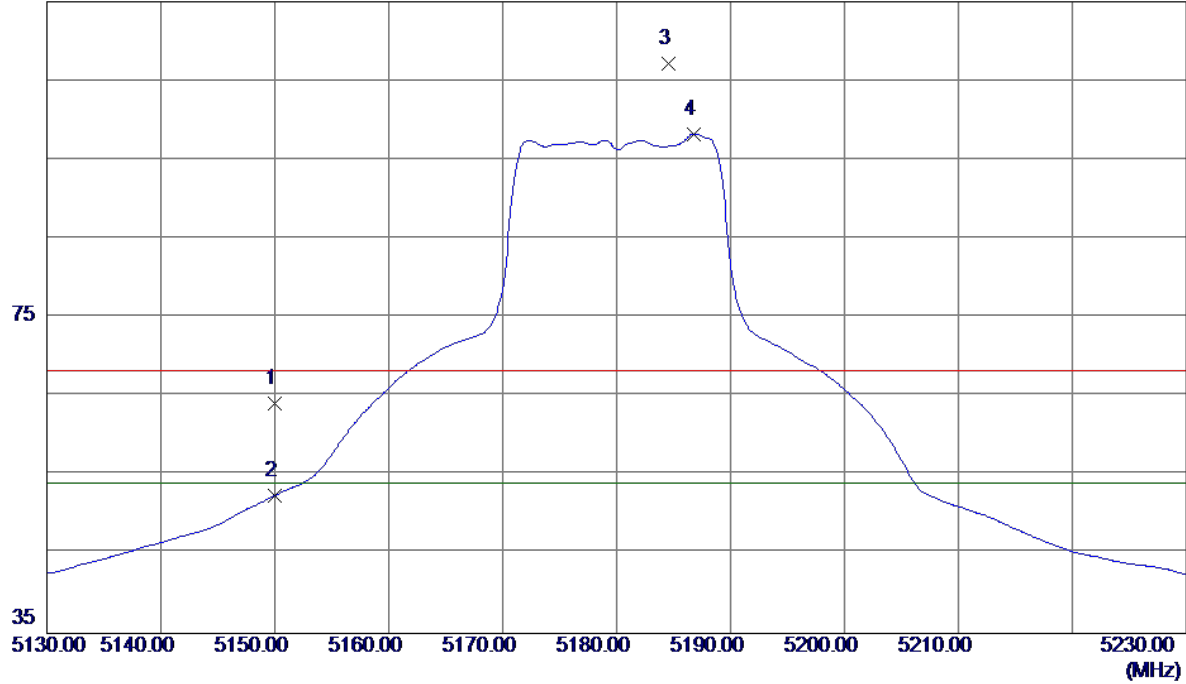


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11588.8000	46.79	17.83	64.62	68.30	-3.68	Peak	
2	11589.0000	31.58	17.83	49.41	54.00	-4.59	AVG	

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

Vertical

115 dBuV/m

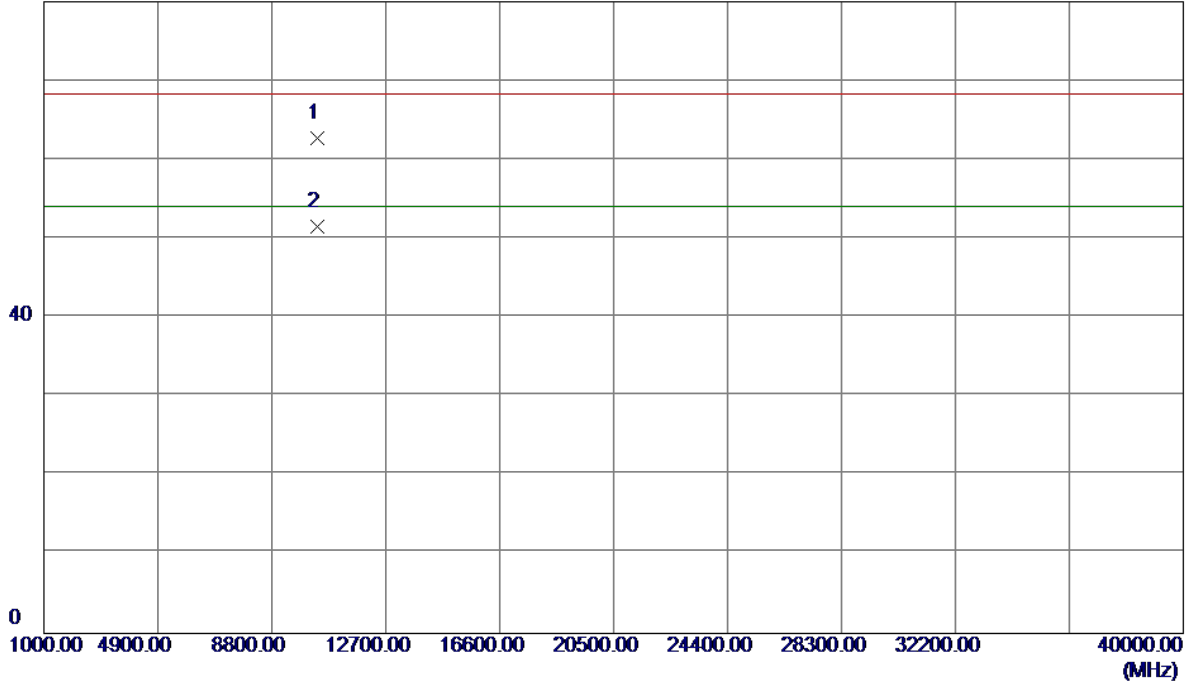


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.77	41.35	64.12	68.30	-4.18	Peak	
2	5150.0000	11.11	41.35	52.46	54.00	-1.54	AVG	
3	5184.6000	65.74	41.46	107.20	68.30	38.90	Peak	No Limit
4 *	5186.8000	56.78	41.47	98.25	54.00	44.25	AVG	No Limit

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

Vertical

80 dBuV/m

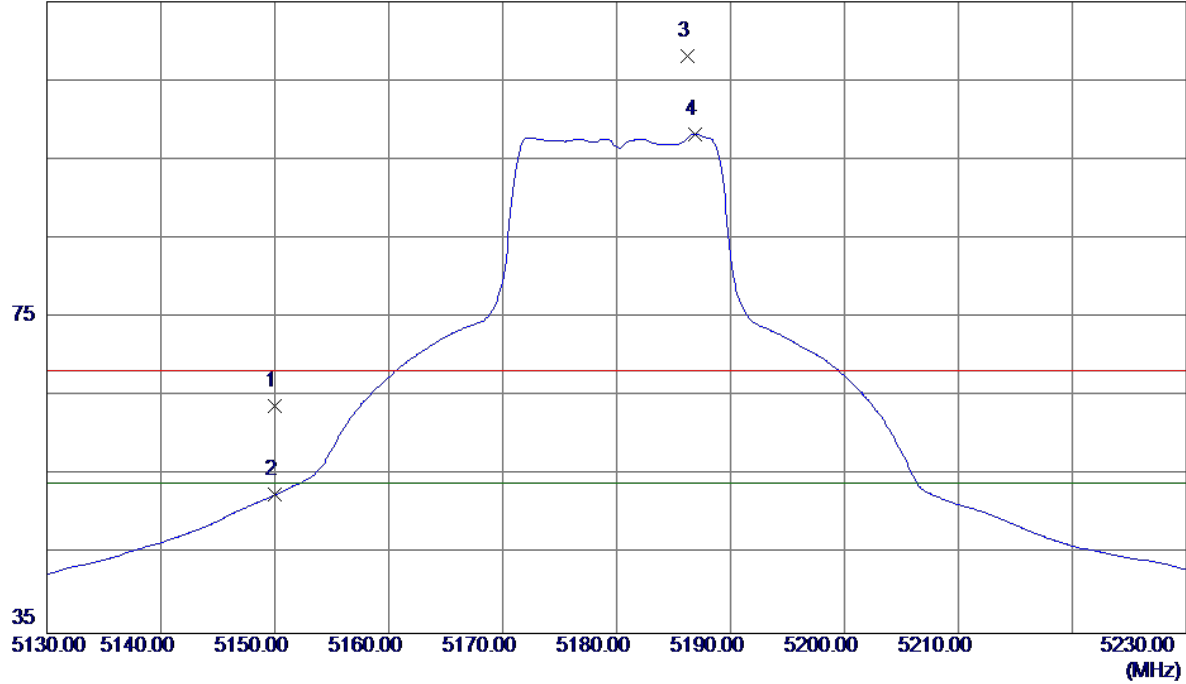


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10359.9500	46.32	16.36	62.68	68.30	-5.62	Peak	
2 *	10361.3500	35.10	16.36	51.46	54.00	-2.54	AVG	

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

Horizontal

115 dBuV/m

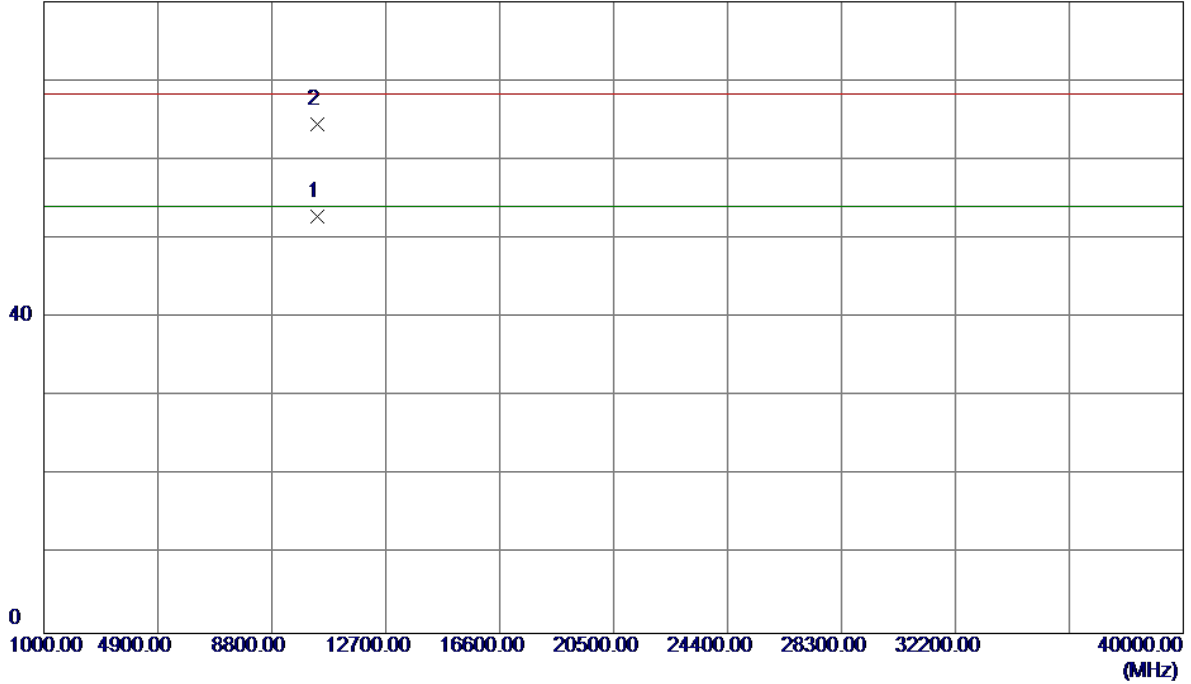


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.40	41.35	63.75	68.30	-4.55	Peak	
2	5150.0000	11.18	41.35	52.53	54.00	-1.47	AVG	
3	5186.2000	66.66	41.47	108.13	68.30	39.83	Peak	No Limit
4 *	5186.9000	56.74	41.47	98.21	54.00	44.21	AVG	No Limit

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

Horizontal

80 dBuV/m

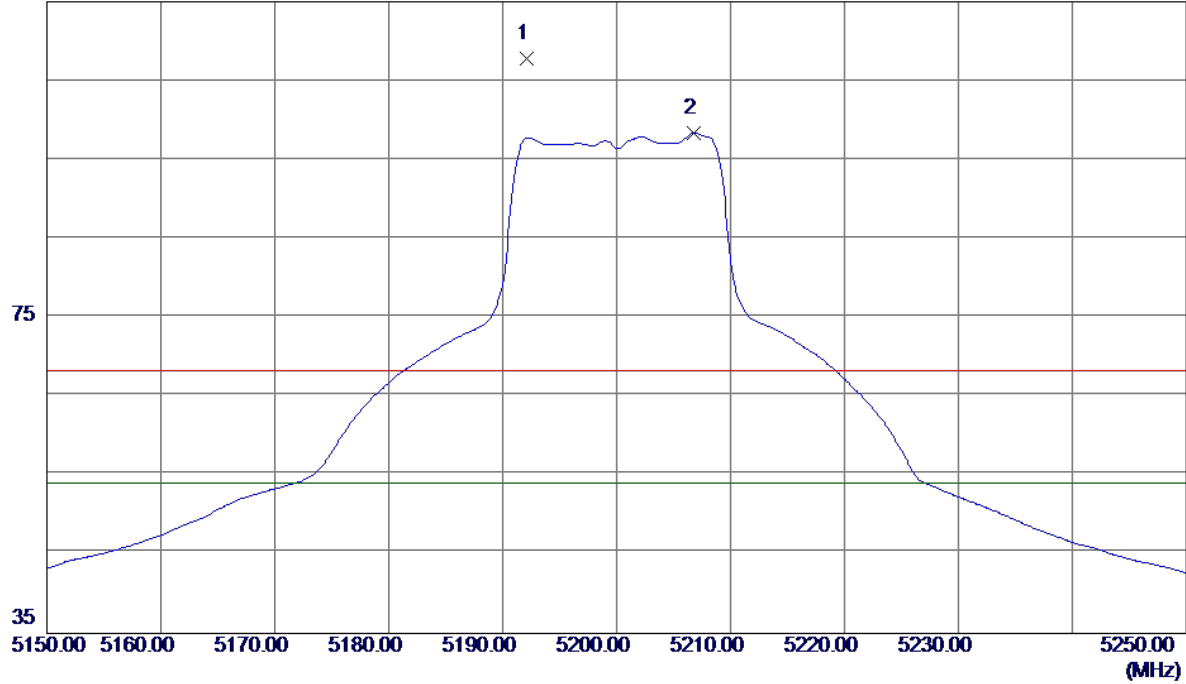


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10361.4500	36.51	16.36	52.87	54.00	-1.13	AVG	
2	10361.6500	48.16	16.36	64.52	68.30	-3.78	Peak	

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

Vertical

115 dBuV/m

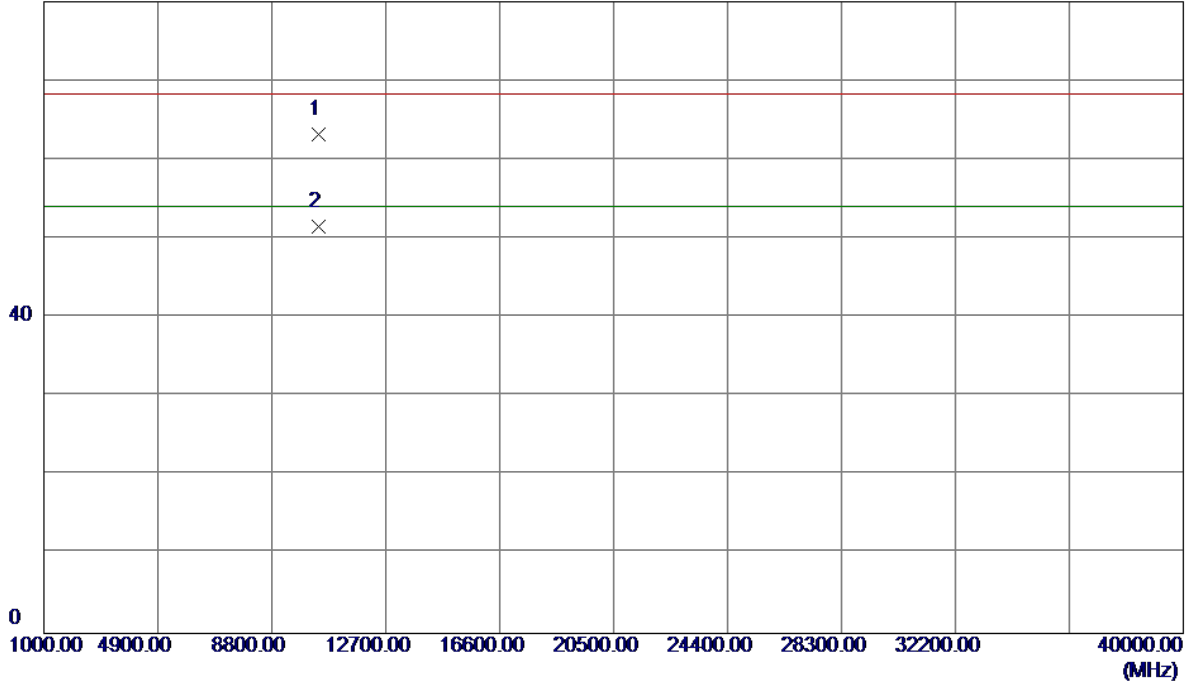


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5192.1000	66.28	41.49	107.77	68.30	39.47	Peak	No Limit
2 *	5206.8000	56.85	41.54	98.39	54.00	44.39	AVG	No Limit

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

Vertical

80 dBuV/m

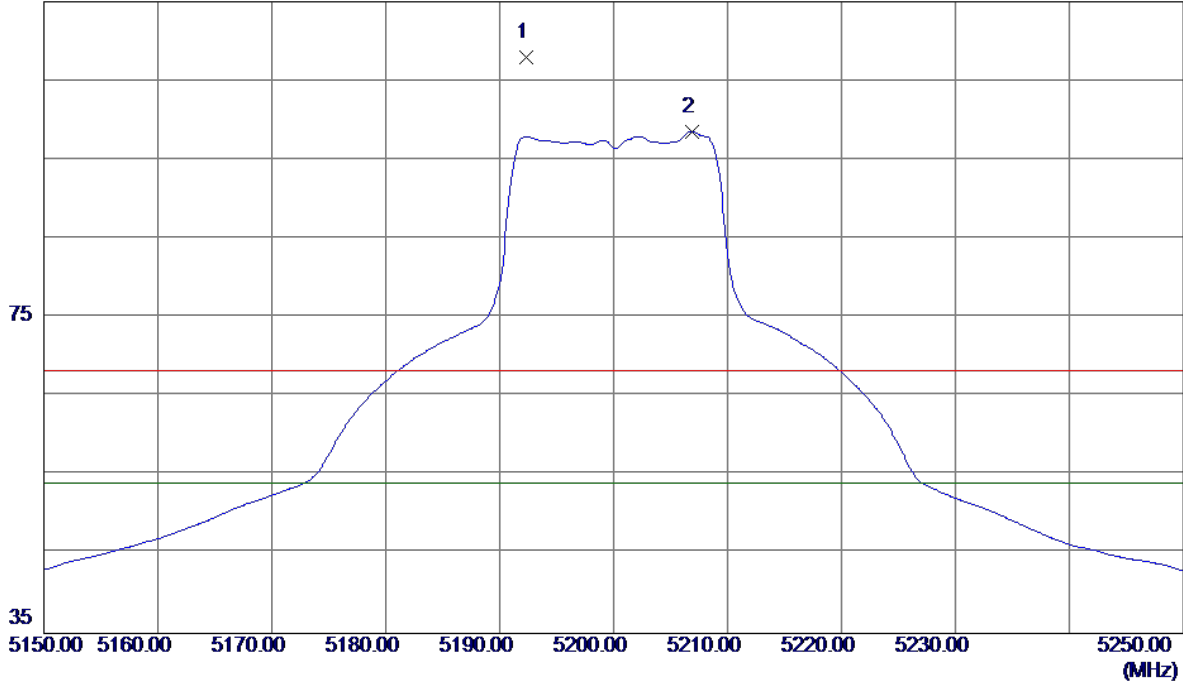


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10399.2000	46.81	16.45	63.26	68.30	-5.04	Peak	
2 *	10401.4000	35.07	16.45	51.52	54.00	-2.48	AVG	

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

Horizontal

115 dBuV/m

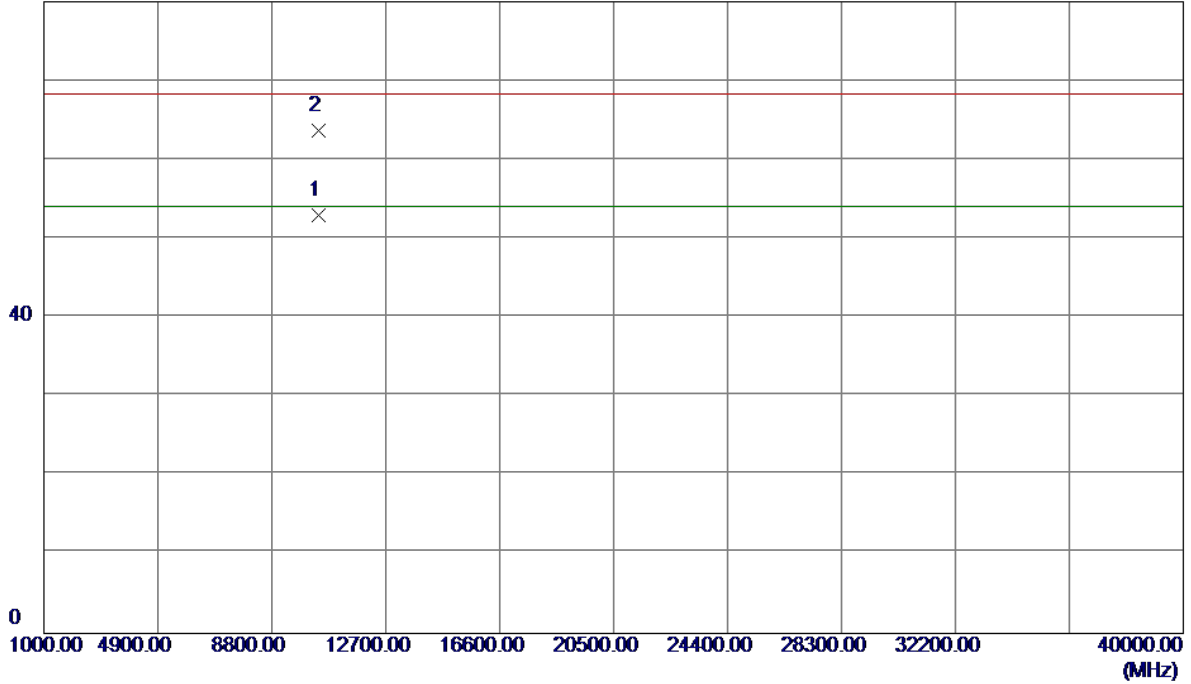


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5192.3000	66.42	41.49	107.91	68.30	39.61	Peak	No Limit
2 *	5206.9000	56.96	41.54	98.50	54.00	44.50	AVG	No Limit

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

Horizontal

80 dBuV/m

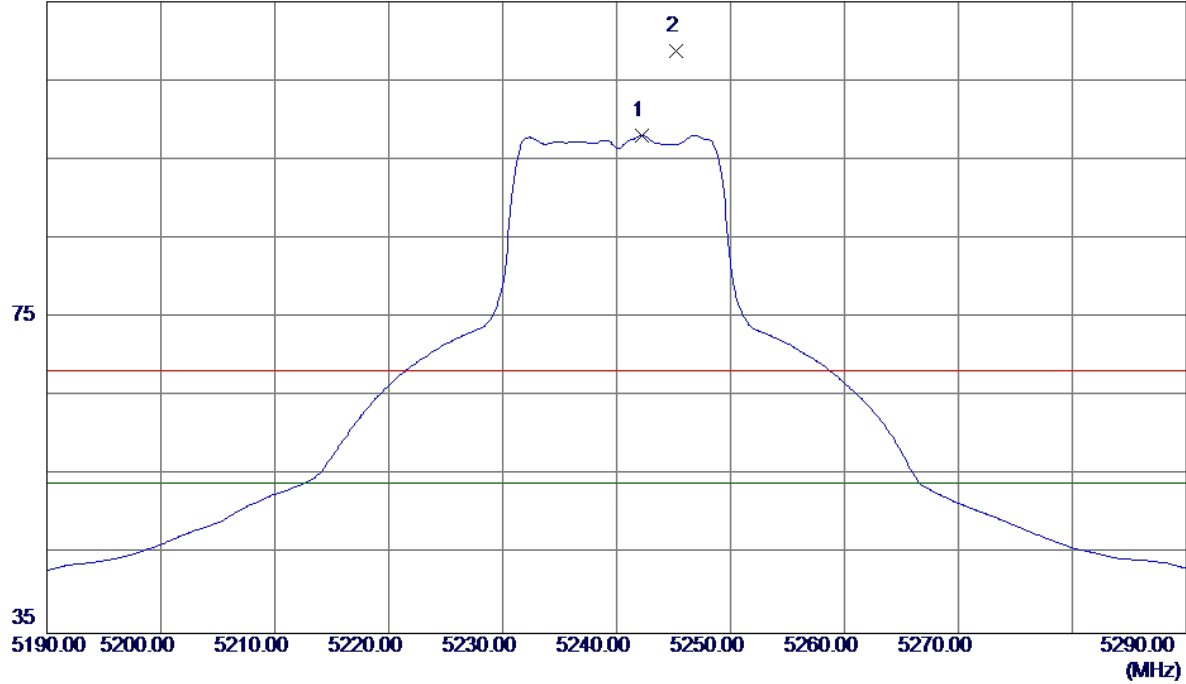


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10401.4000	36.54	16.45	52.99	54.00	-1.01	AVG	
2	10403.2000	47.24	16.46	63.70	68.30	-4.60	Peak	

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

Vertical

115 dBuV/m

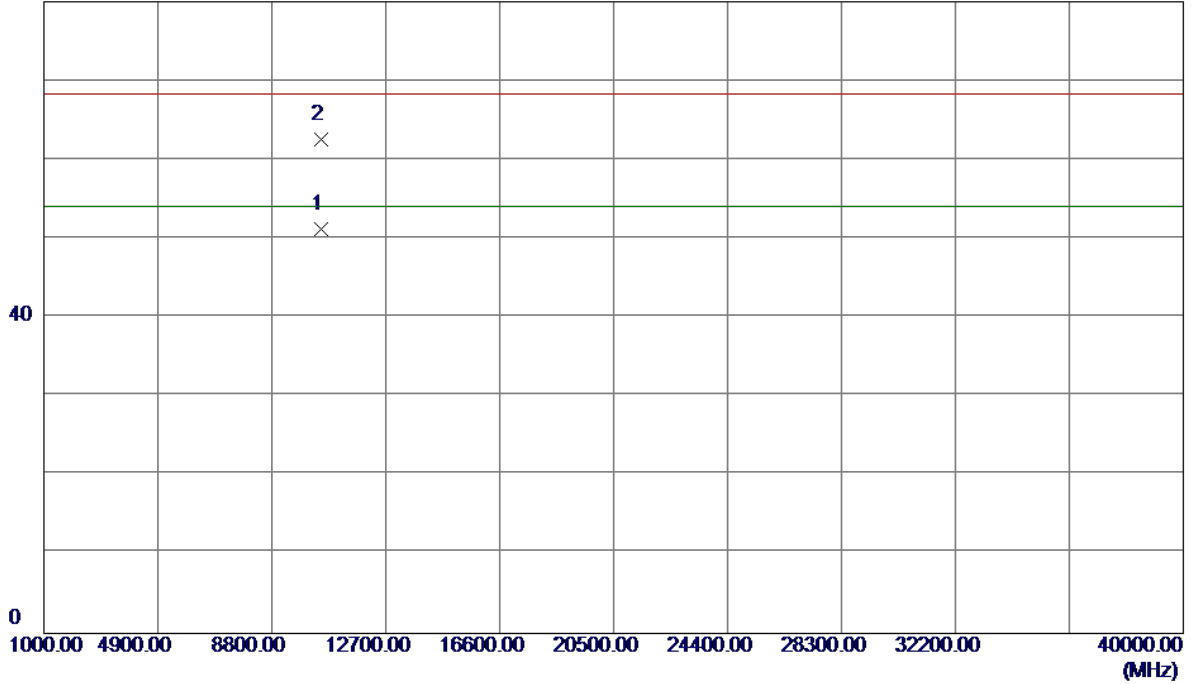


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5242.2000	56.38	41.66	98.04	54.00	44.04	AVG	No Limit
2	5245.2000	67.06	41.67	108.73	68.30	40.43	Peak	No Limit

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

Vertical

80 dBuV/m

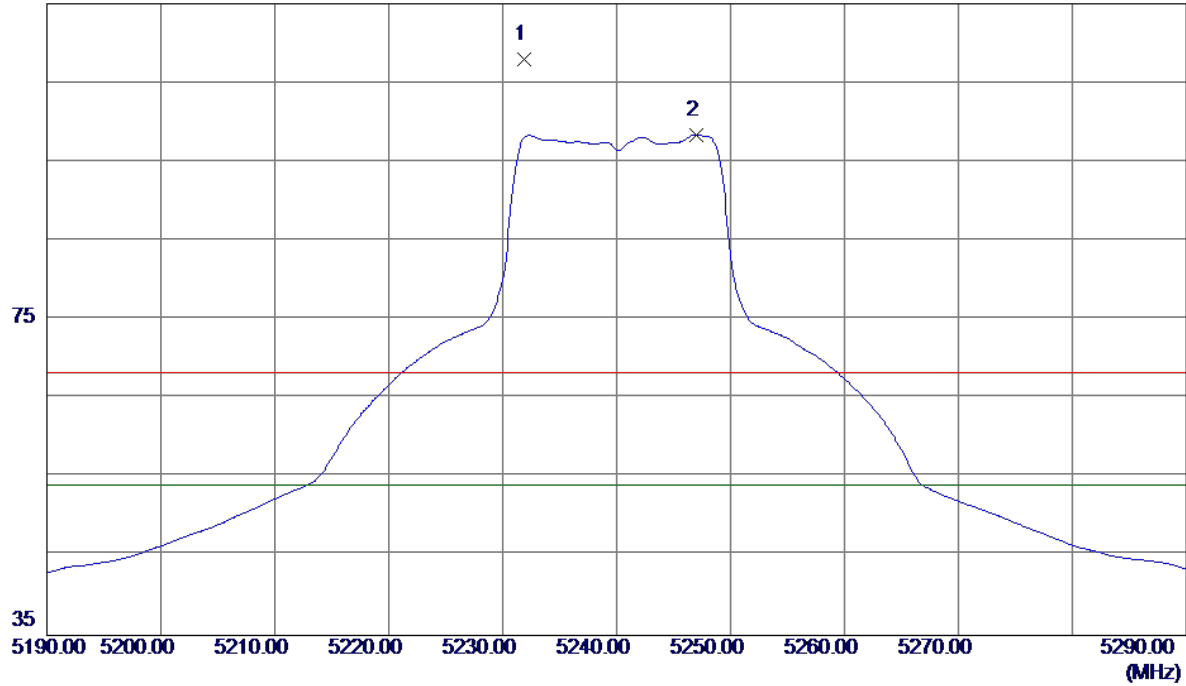


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10479.0000	34.60	16.62	51.22	54.00	-2.78	AVG	
2	10481.5500	45.98	16.63	62.61	68.30	-5.69	Peak	

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

Horizontal

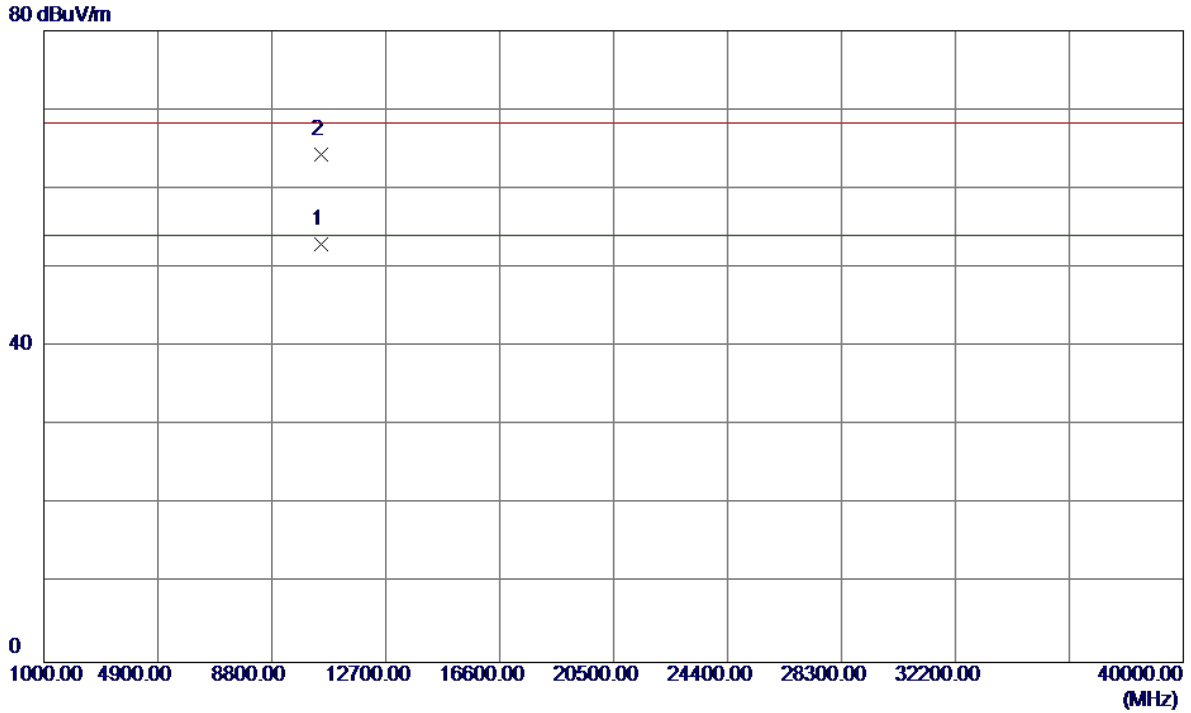
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5231.9000	66.34	41.62	107.96	68.30	39.66	Peak	No Limit
2 *	5247.0000	56.73	41.67	98.40	54.00	44.40	AVG	No Limit

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

Horizontal

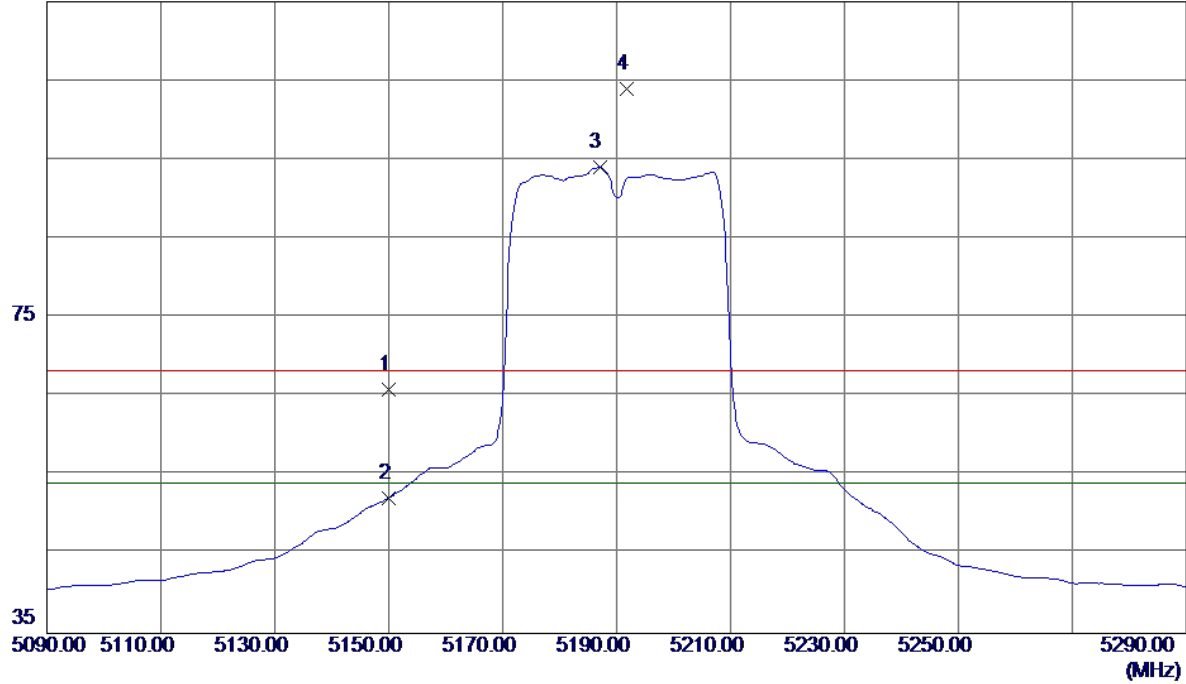


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10481.3500	36.25	16.63	52.88	54.00	-1.12	AVG	
2	10483.0500	47.62	16.63	64.25	68.30	-4.05	Peak	

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

Vertical

115 dBuV/m

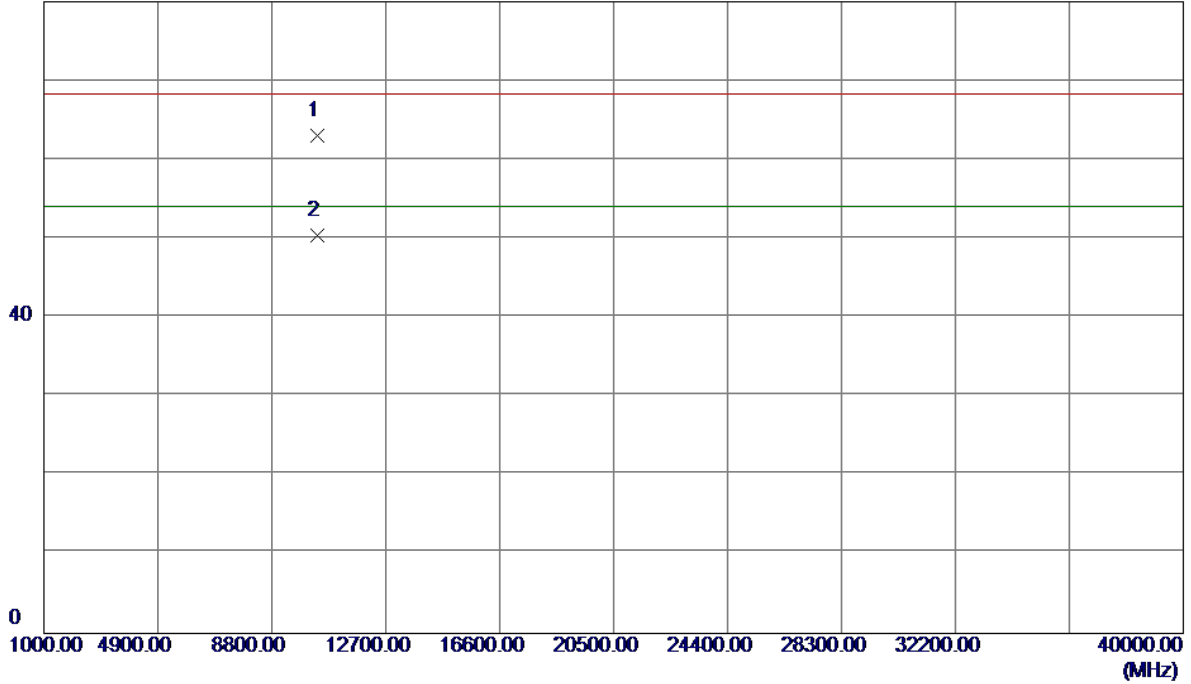


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	24.53	41.35	65.88	68.30	-2.42	Peak	
2	5150.0000	10.81	41.35	52.16	54.00	-1.84	AVG	
3 *	5187.0000	52.54	41.47	94.01	54.00	40.01	AVG	No Limit
4	5191.8000	62.52	41.49	104.01	68.30	35.71	Peak	No Limit

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

Vertical

80 dBuV/m

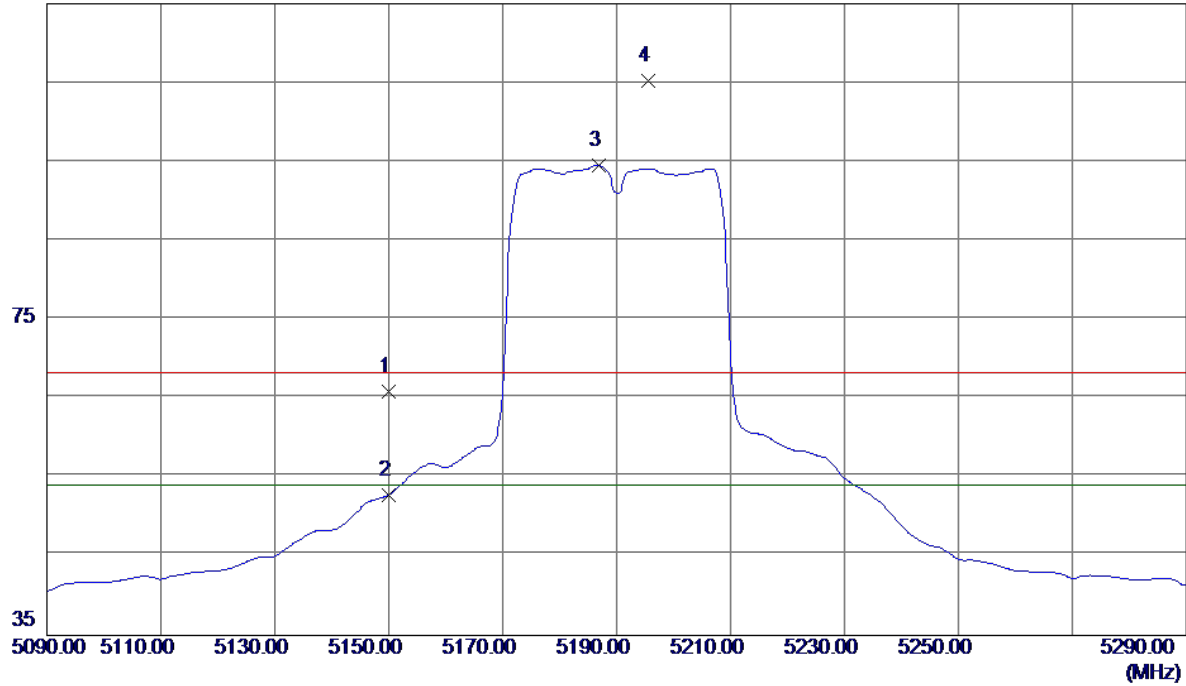


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10381.3000	46.62	16.41	63.03	68.30	-5.27	Peak	
2 *	10381.3000	34.01	16.41	50.42	54.00	-3.58	AVG	

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

Horizontal

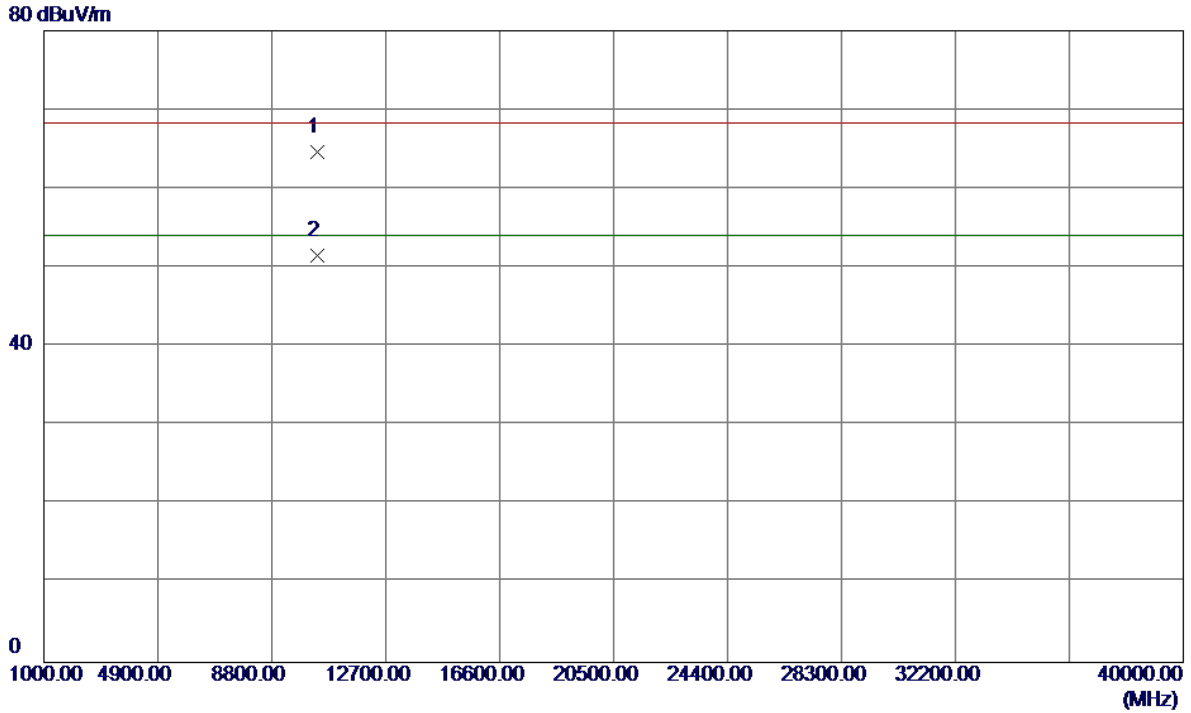
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	24.54	41.35	65.89	68.30	-2.41	Peak	
2	5150.0000	11.46	41.35	52.81	54.00	-1.19	AVG	
3 *	5186.8000	53.00	41.47	94.47	54.00	40.47	AVG	No Limit
4	5195.6000	63.82	41.50	105.32	68.30	37.02	Peak	No Limit

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

Horizontal

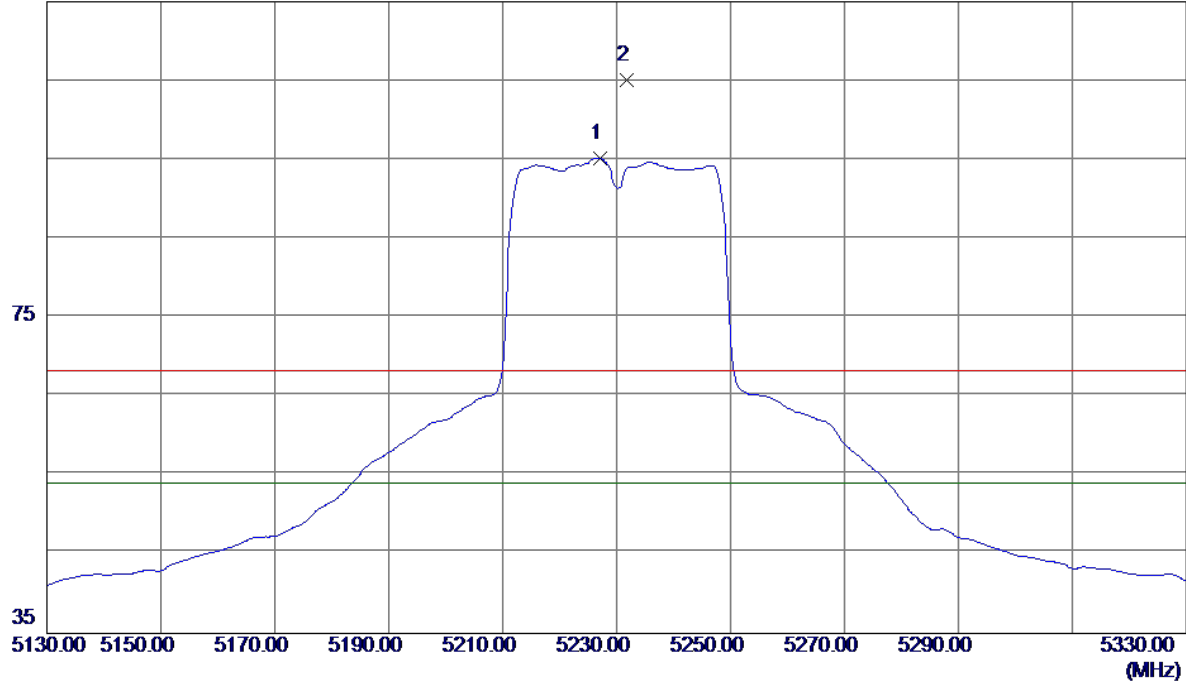


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10376.3000	48.23	16.40	64.63	68.30	-3.67	Peak	
2 *	10381.3000	35.07	16.41	51.48	54.00	-2.52	AVG	

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

Vertical

115 dBuV/m

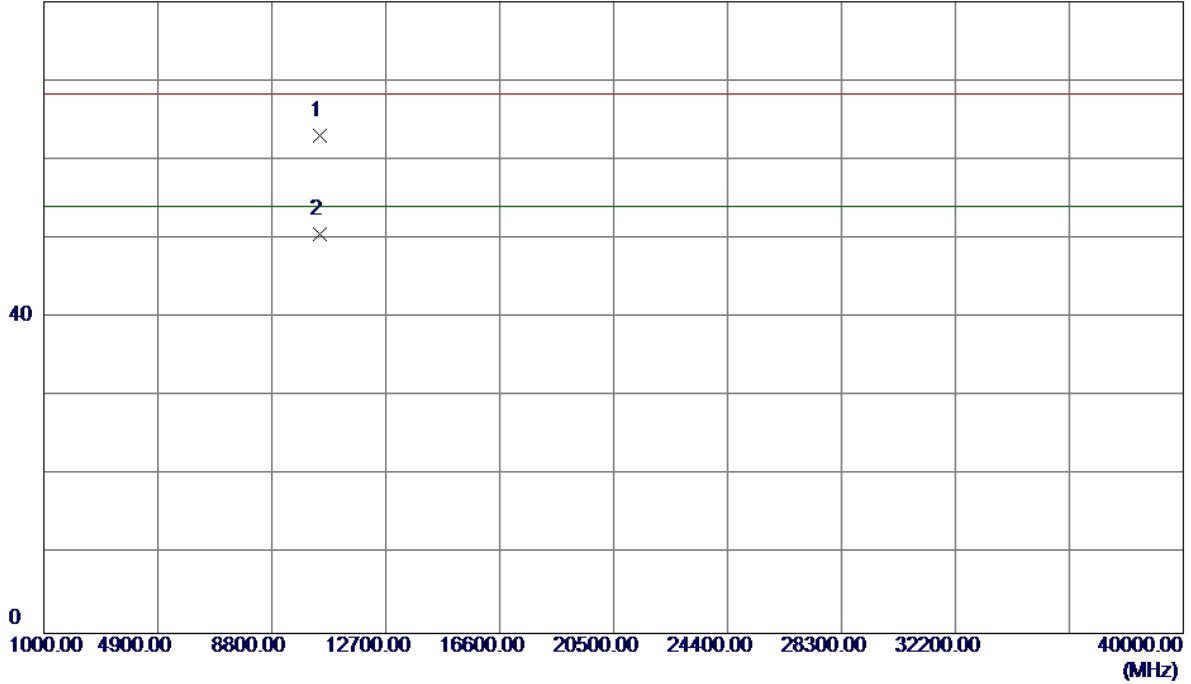


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5227.2000	53.58	41.61	95.19	54.00	41.19	AVG	No Limit
2	5231.8000	63.52	41.62	105.14	68.30	36.84	Peak	No Limit

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

Vertical

80 dBuV/m

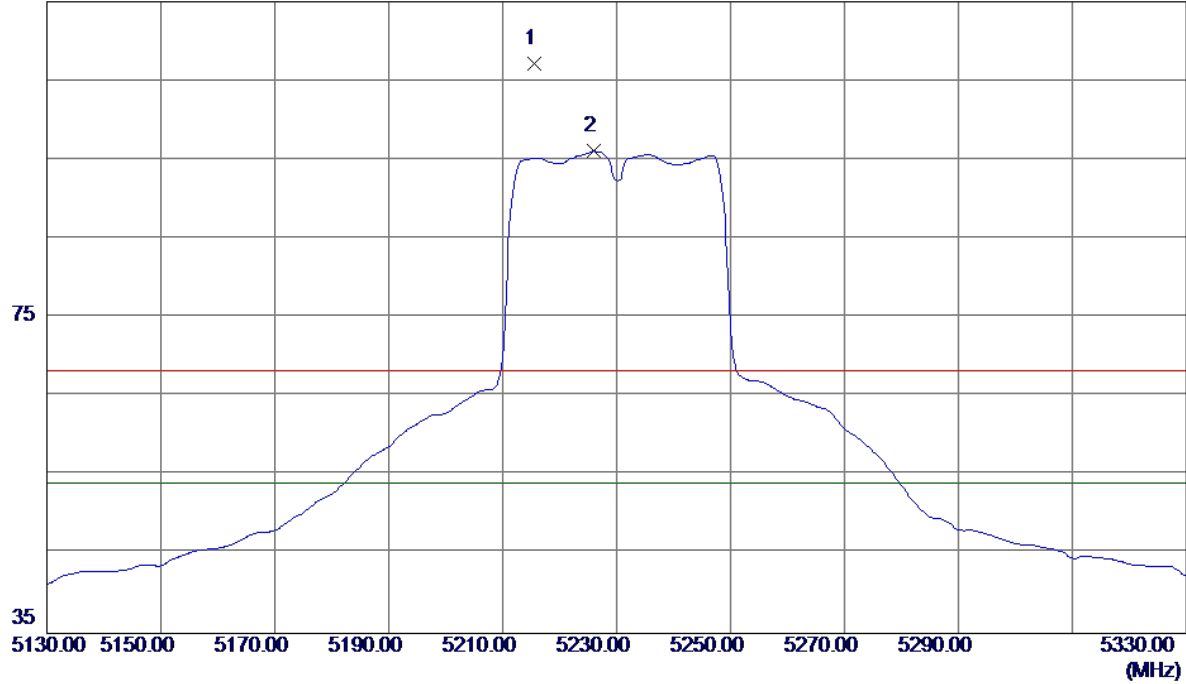


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10456.8000	46.51	16.57	63.08	68.30	-5.22	Peak	
2 *	10461.4000	33.93	16.58	50.51	54.00	-3.49	AVG	

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

Horizontal

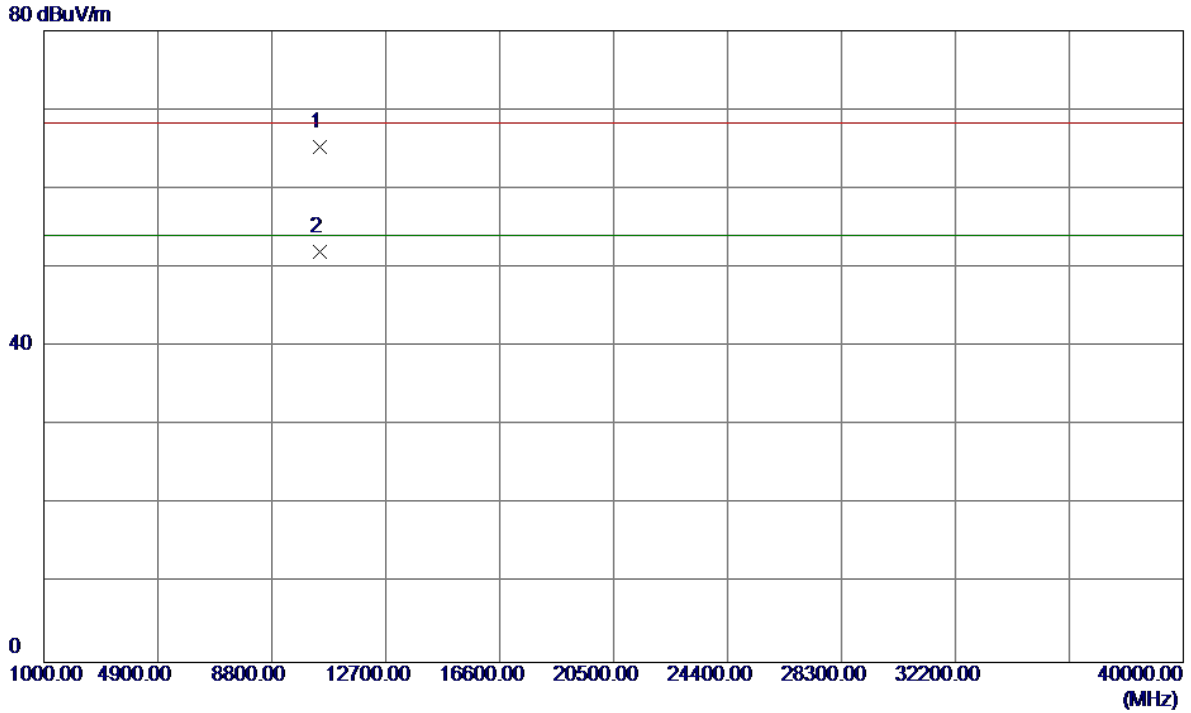
115 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5215.6000	65.60	41.57	107.17	68.30	38.87	Peak	No Limit
2 *	5226.0000	54.46	41.60	96.06	54.00	42.06	AVG	No Limit

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

Horizontal

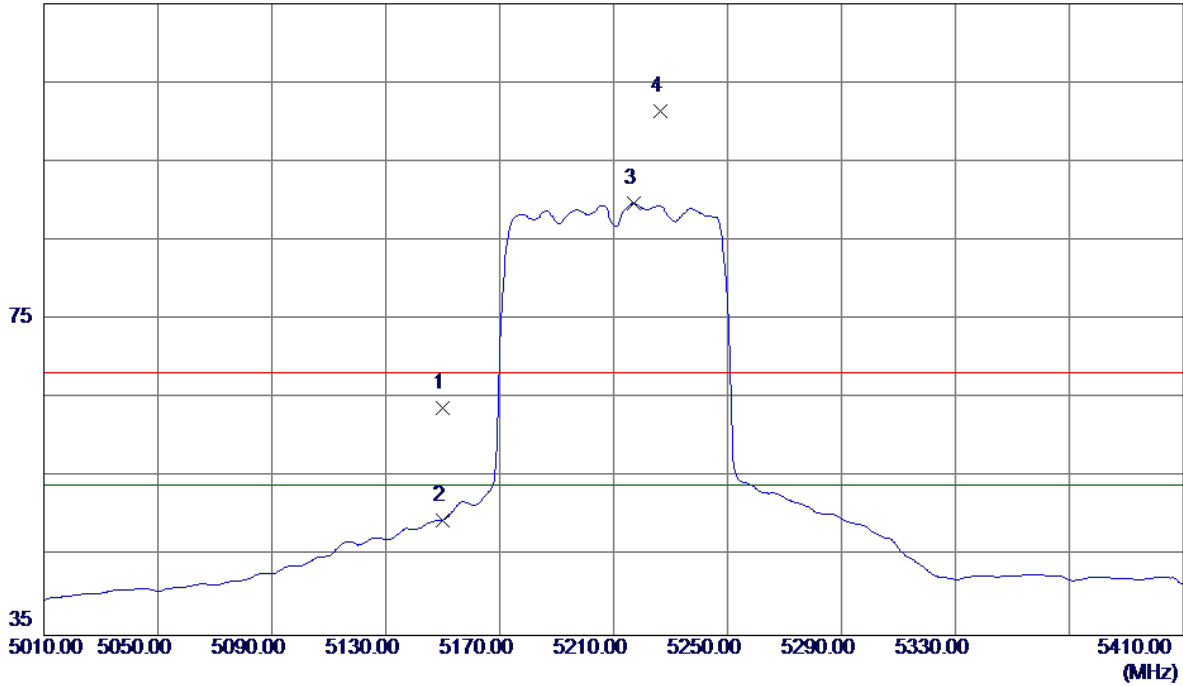


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10456.7000	48.78	16.57	65.35	68.30	-2.95	Peak	
2 *	10461.3000	35.44	16.58	52.02	54.00	-1.98	AVG	

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

Vertical

115 dBuV/m

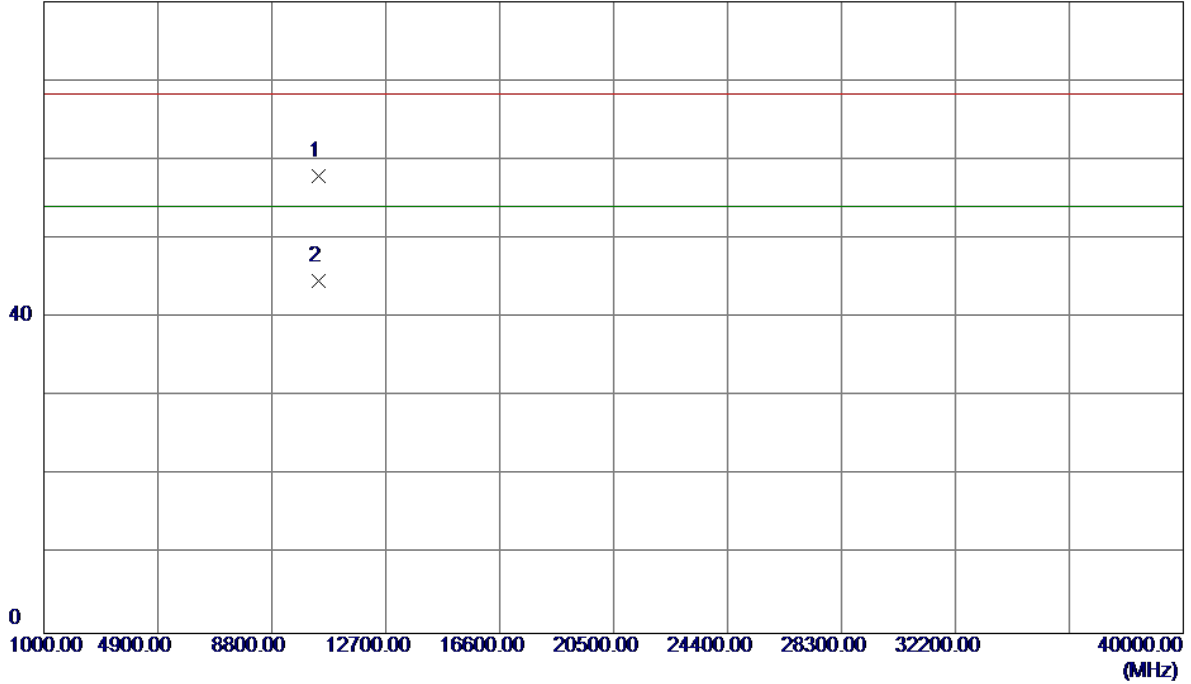


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.52	41.35	63.87	68.30	-4.43	Peak	
2	5150.0000	8.26	41.35	49.61	54.00	-4.39	AVG	
3 *	5217.2000	48.16	41.57	89.73	54.00	35.73	AVG	No Limit
4	5226.4000	59.77	41.61	101.38	68.30	33.08	Peak	No Limit

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

Vertical

80 dBuV/m

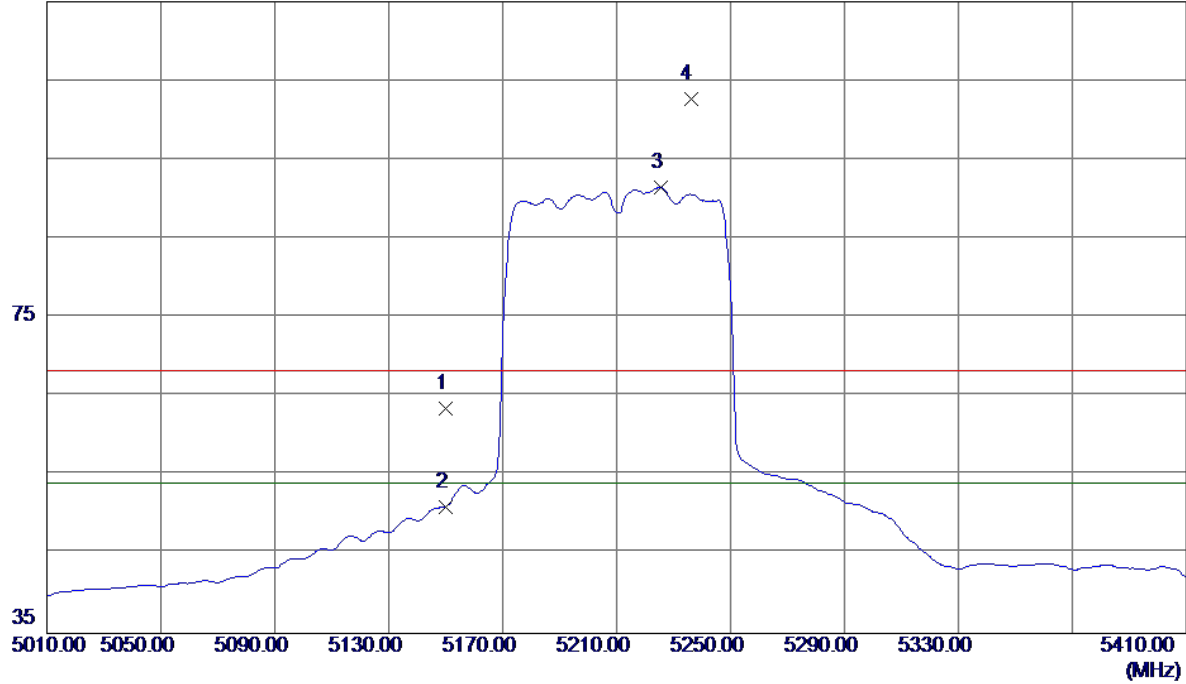


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10420.5000	41.44	16.49	57.93	68.30	-10.37	Peak	
2 *	10420.5000	28.19	16.49	44.68	54.00	-9.32	AVG	

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

Horizontal

115 dBuV/m

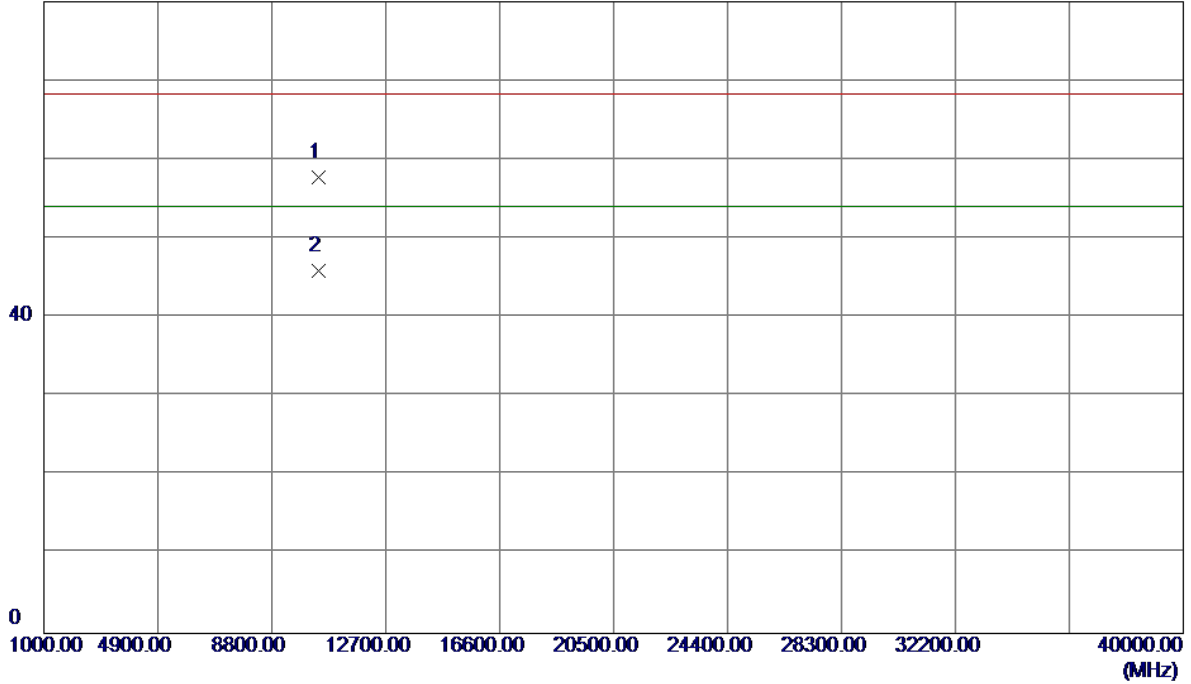


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	22.19	41.35	63.54	68.30	-4.76	Peak	
2	5150.0000	9.70	41.35	51.05	54.00	-2.95	AVG	
3 *	5225.6000	49.83	41.60	91.43	54.00	37.43	AVG	No Limit
4	5236.0000	61.11	41.64	102.75	68.30	34.45	Peak	No Limit

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

Horizontal

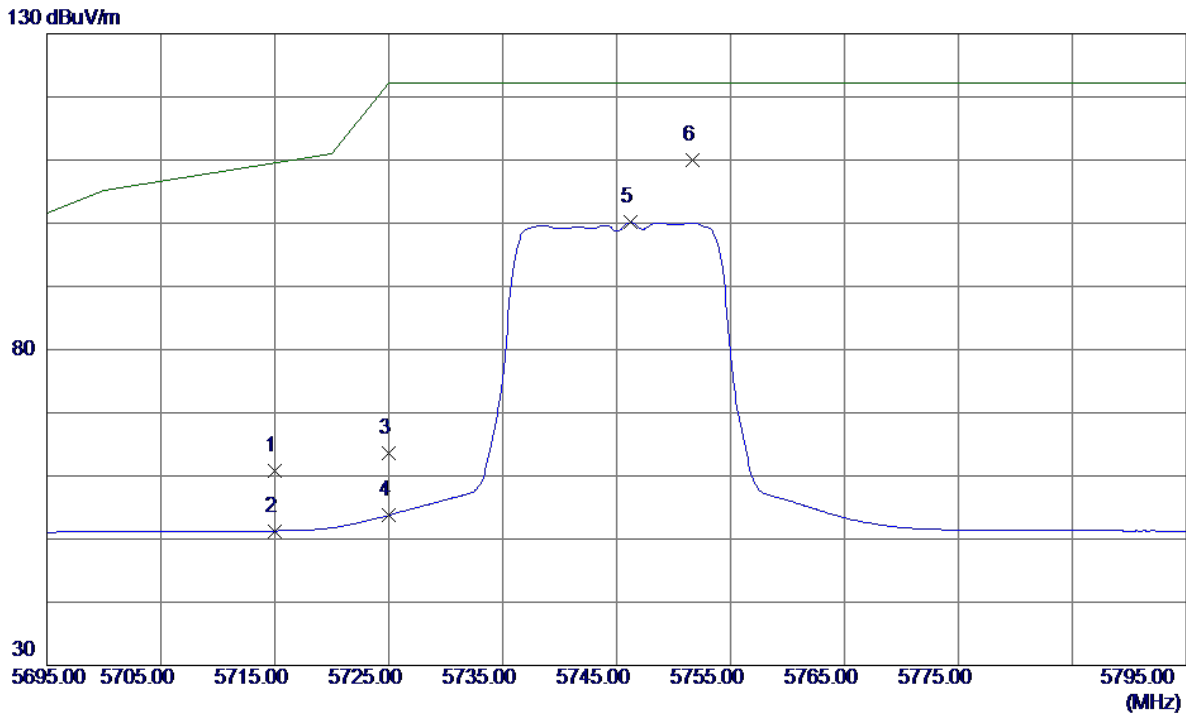
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10420.5000	41.31	16.49	57.80	68.30	-10.50	Peak	
2 *	10421.0000	29.49	16.49	45.98	54.00	-8.02	AVG	

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

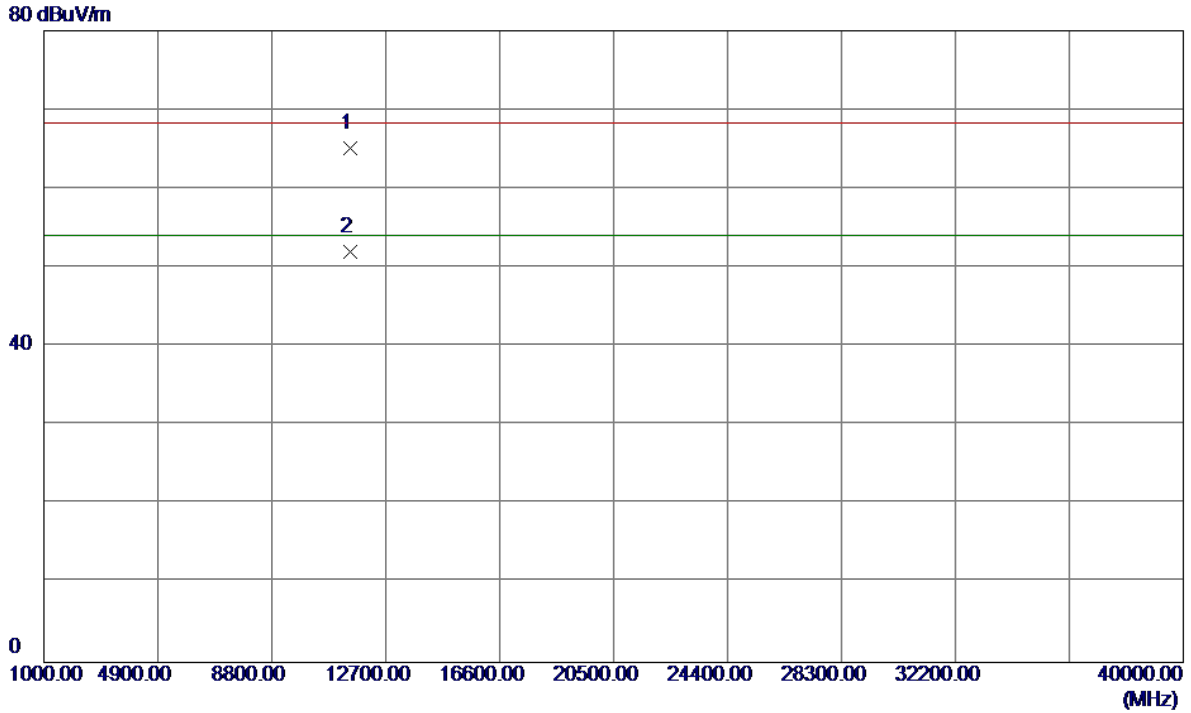
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	18.10	42.72	60.82	109.50	-48.68	Peak	
2	5715.0000	8.57	42.72	51.29	109.50	-58.21	AVG	
3	5725.0000	20.83	42.73	63.56	122.30	-58.74	Peak	
4	5725.0000	11.03	42.73	53.76	122.30	-68.54	AVG	
5	5746.2000	57.37	42.75	100.12	122.30	-22.18	AVG	
6 *	5751.7000	67.18	42.75	109.93	122.30	-12.37	Peak	

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

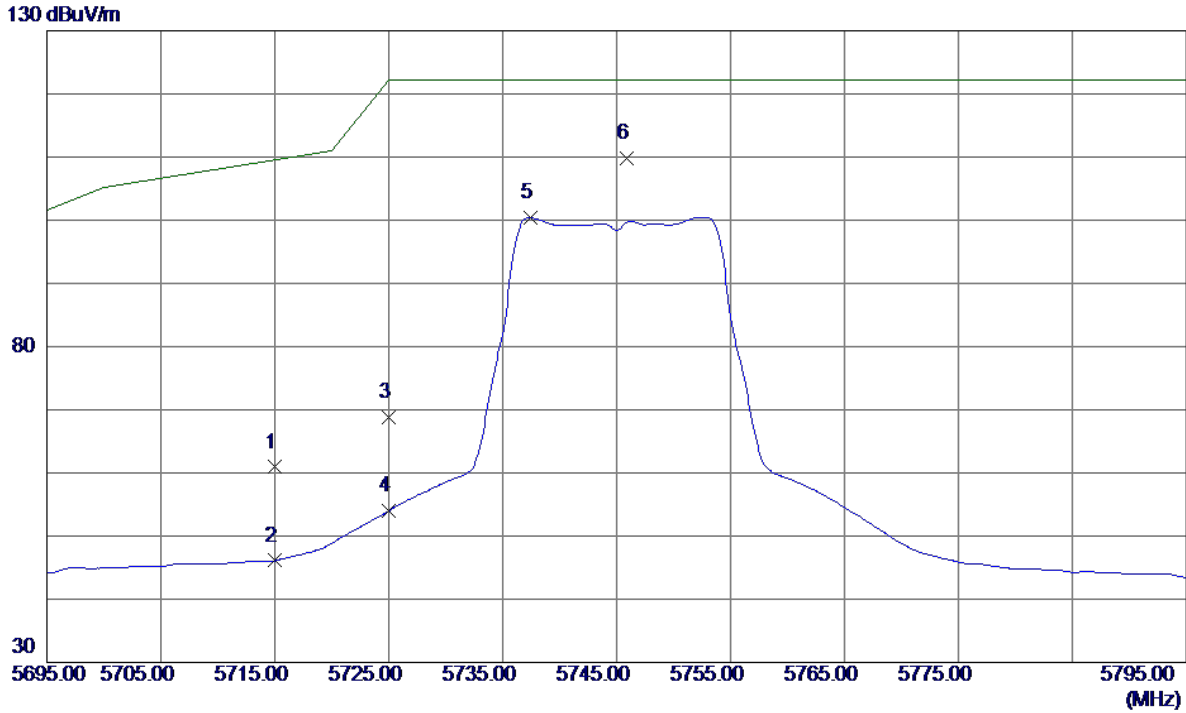
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11489.0000	47.29	17.89	65.18	68.30	-3.12	Peak	
2 *	11489.3000	34.16	17.89	52.05	54.00	-1.95	AVG	

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

Horizontal

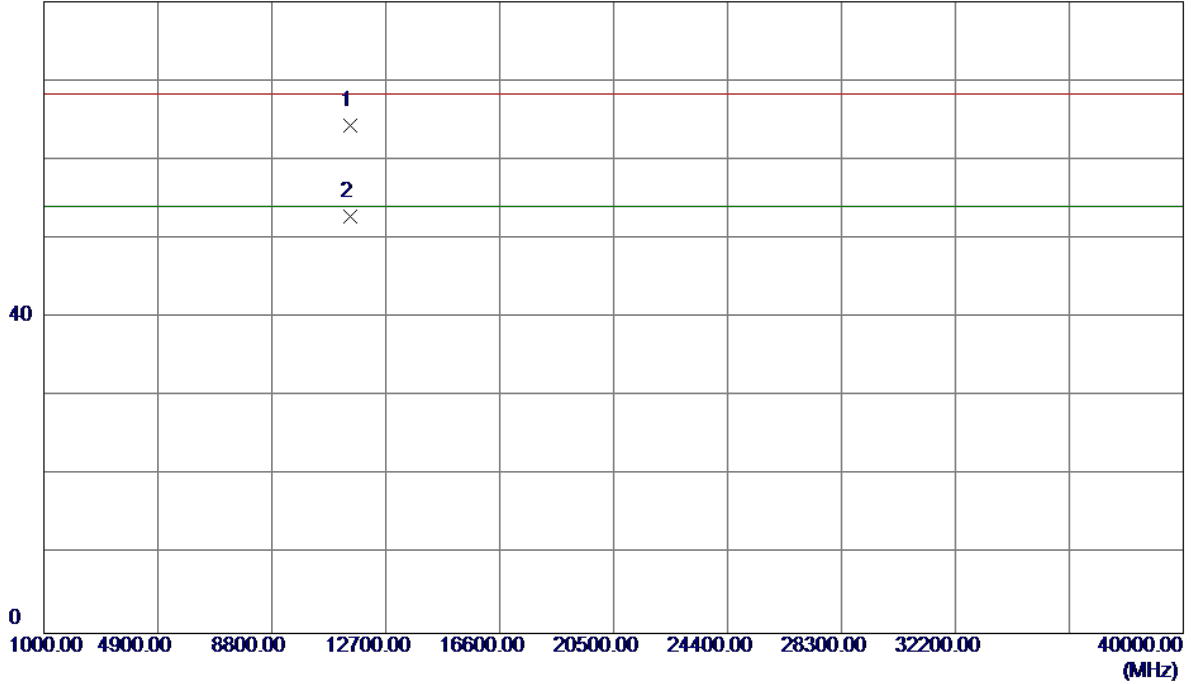


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	18.18	42.72	60.90	109.50	-48.60	Peak	
2	5715.0000	3.38	42.72	46.10	109.50	-63.40	AVG	
3	5725.0000	26.06	42.73	68.79	122.30	-53.51	Peak	
4	5725.0000	11.29	42.73	54.02	122.30	-68.28	AVG	
5	5737.4000	57.65	42.74	100.39	122.30	-21.91	AVG	
6 *	5745.9000	67.06	42.75	109.81	122.30	-12.49	Peak	

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

Horizontal

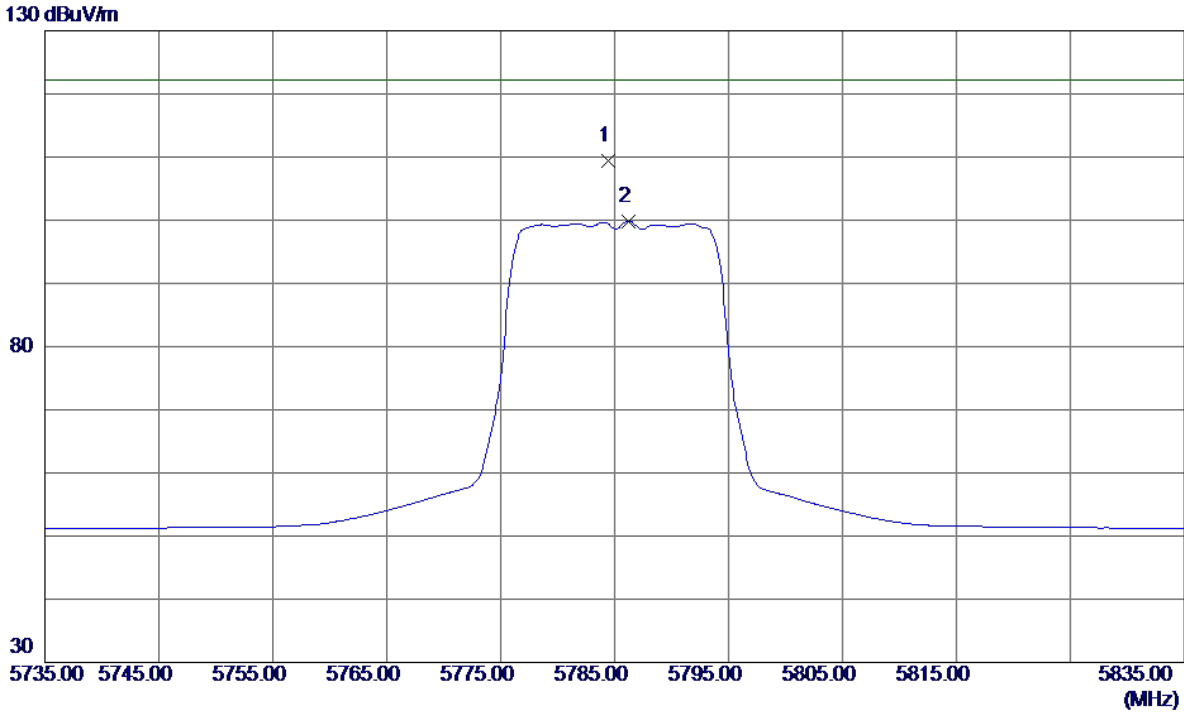
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11488.9000	46.50	17.89	64.39	68.30	-3.91	Peak	
2 *	11489.0000	34.89	17.89	52.78	54.00	-1.22	AVG	

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

Vertical

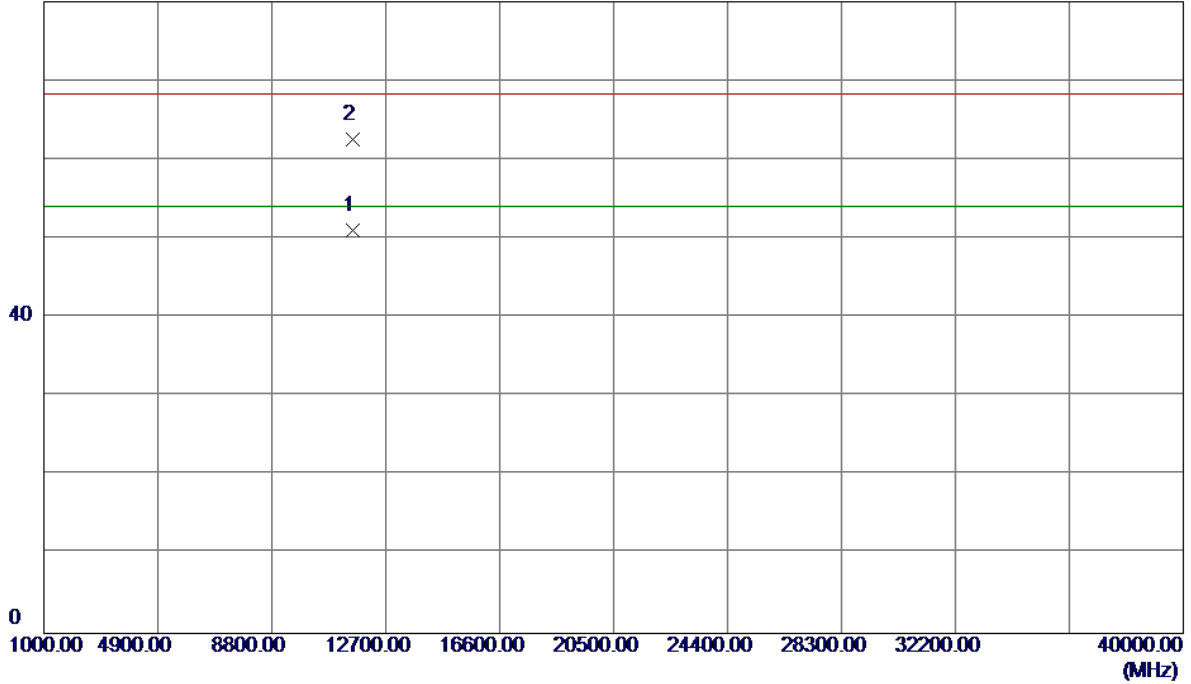


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5784.4000	66.71	42.78	109.49	122.30	-12.81	Peak	
2	5786.2000	57.03	42.78	99.81	122.30	-22.49	AVG	

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

Vertical

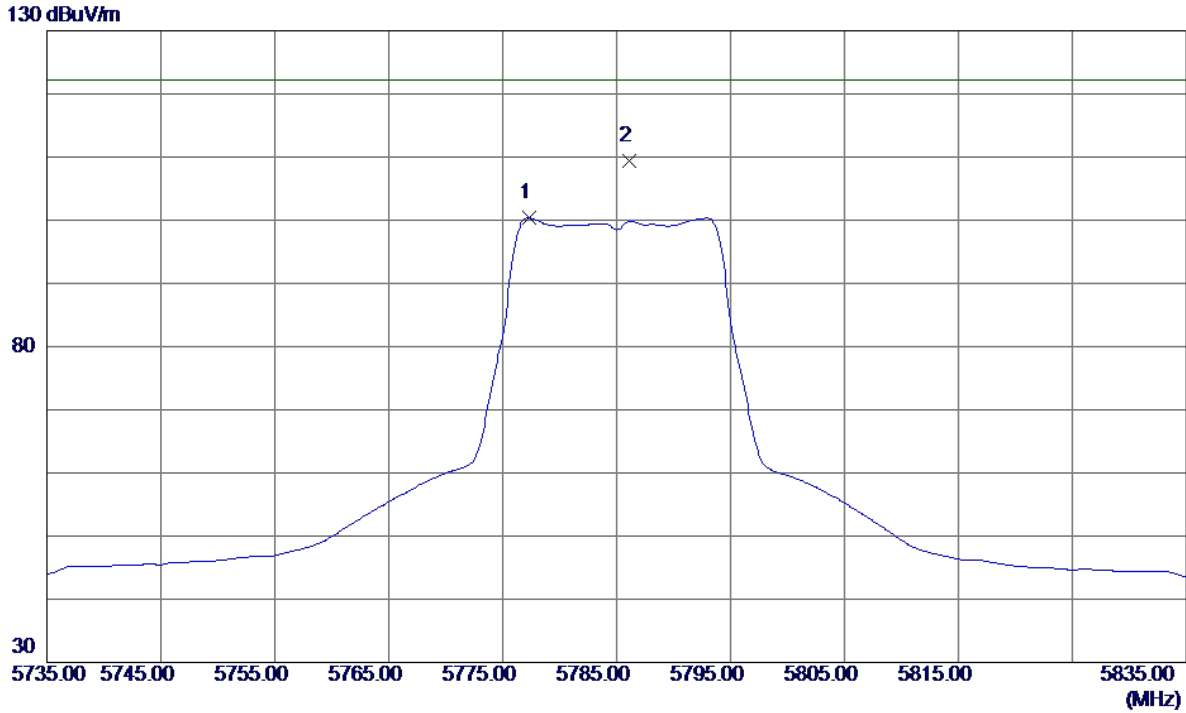
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11569.1000	33.12	17.85	50.97	54.00	-3.03	AVG	
2	11569.3000	44.65	17.85	62.50	68.30	-5.80	Peak	

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

Horizontal

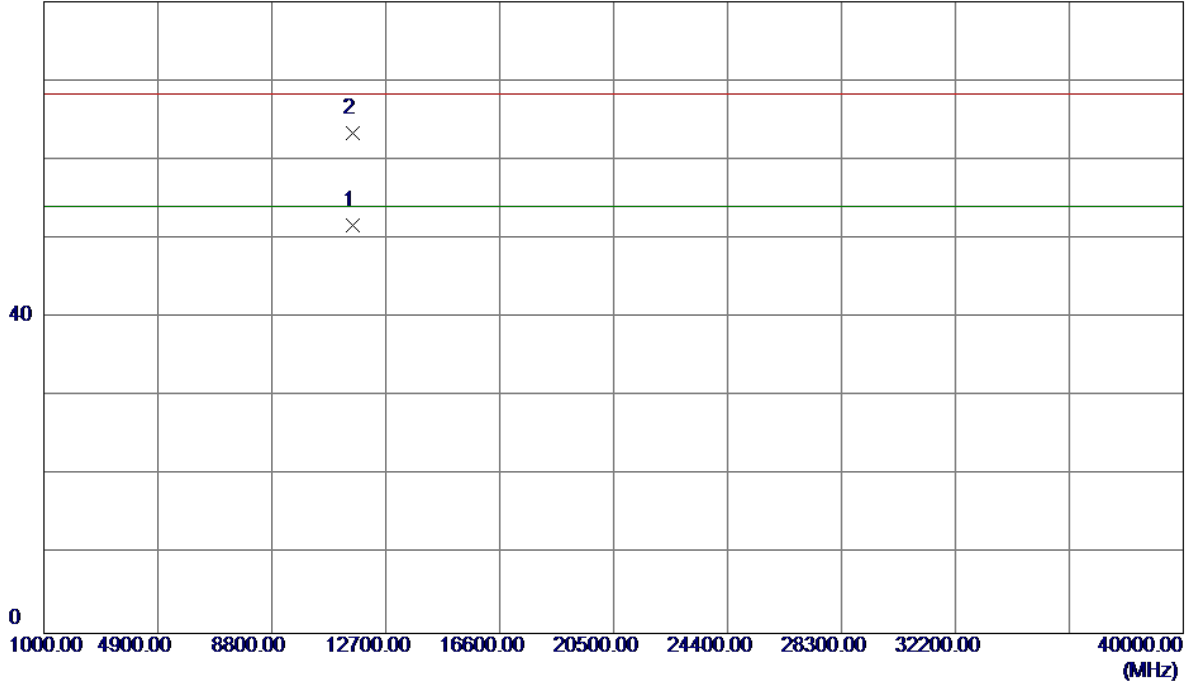


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5777.3000	57.58	42.77	100.35	122.30	-21.95	AVG	
2 *	5786.1000	66.63	42.78	109.41	122.30	-12.89	Peak	

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

Horizontal

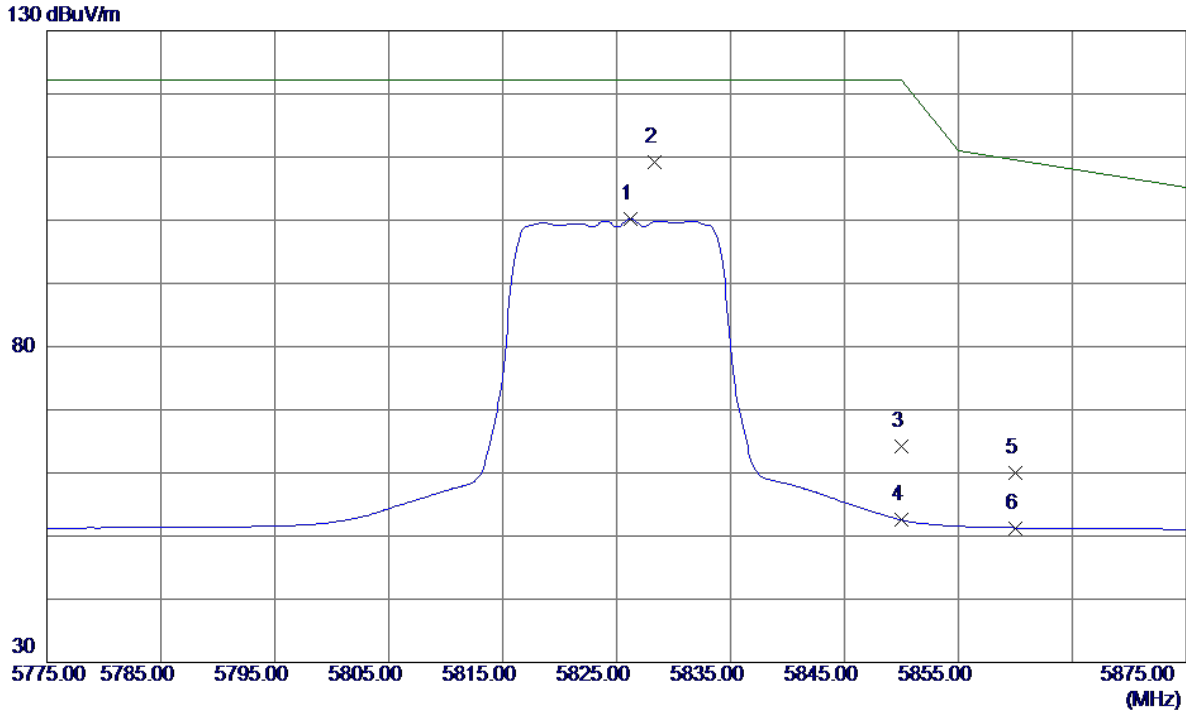
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11569.0000	33.82	17.85	51.67	54.00	-2.33	AVG	
2	11574.3000	45.52	17.85	63.37	68.30	-4.93	Peak	

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

Vertical

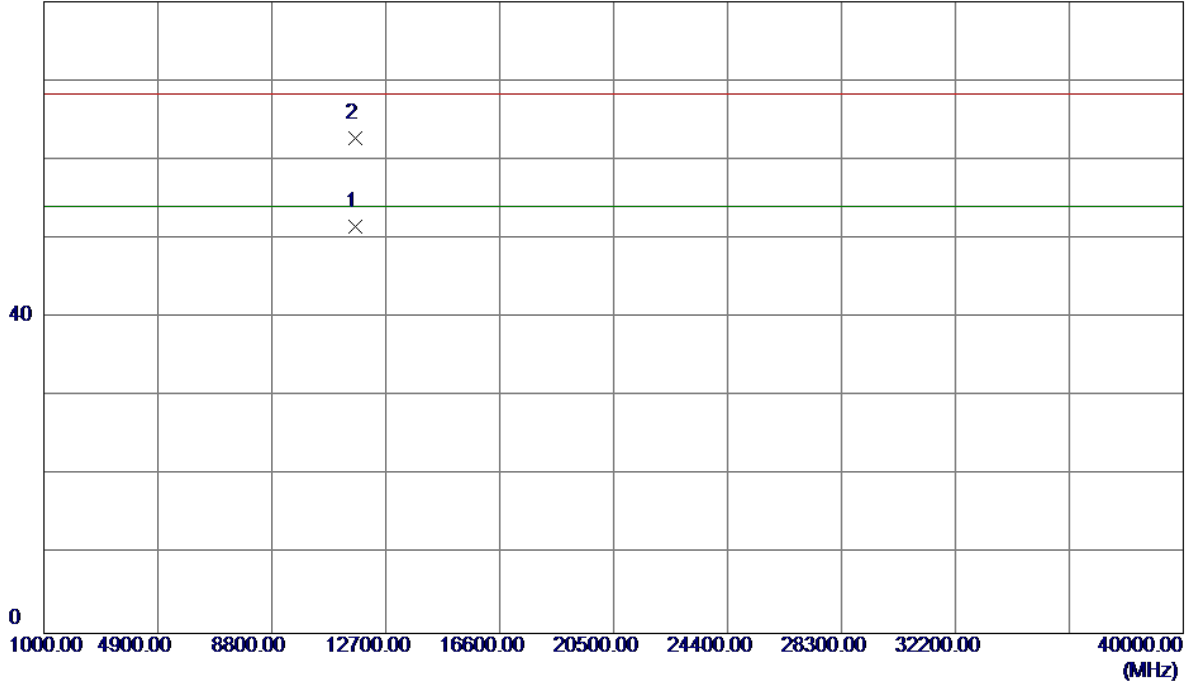


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5826.2000	57.37	42.82	100.19	122.30	-22.11	AVG	
2 *	5828.3000	66.32	42.82	109.14	122.30	-13.16	Peak	
3	5850.0000	21.37	42.84	64.21	122.30	-58.09	Peak	
4	5850.0000	9.72	42.84	52.56	122.30	-69.74	AVG	
5	5860.0000	17.07	42.85	59.92	109.50	-49.58	Peak	
6	5860.0000	8.44	42.85	51.29	109.50	-58.21	AVG	

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

Vertical

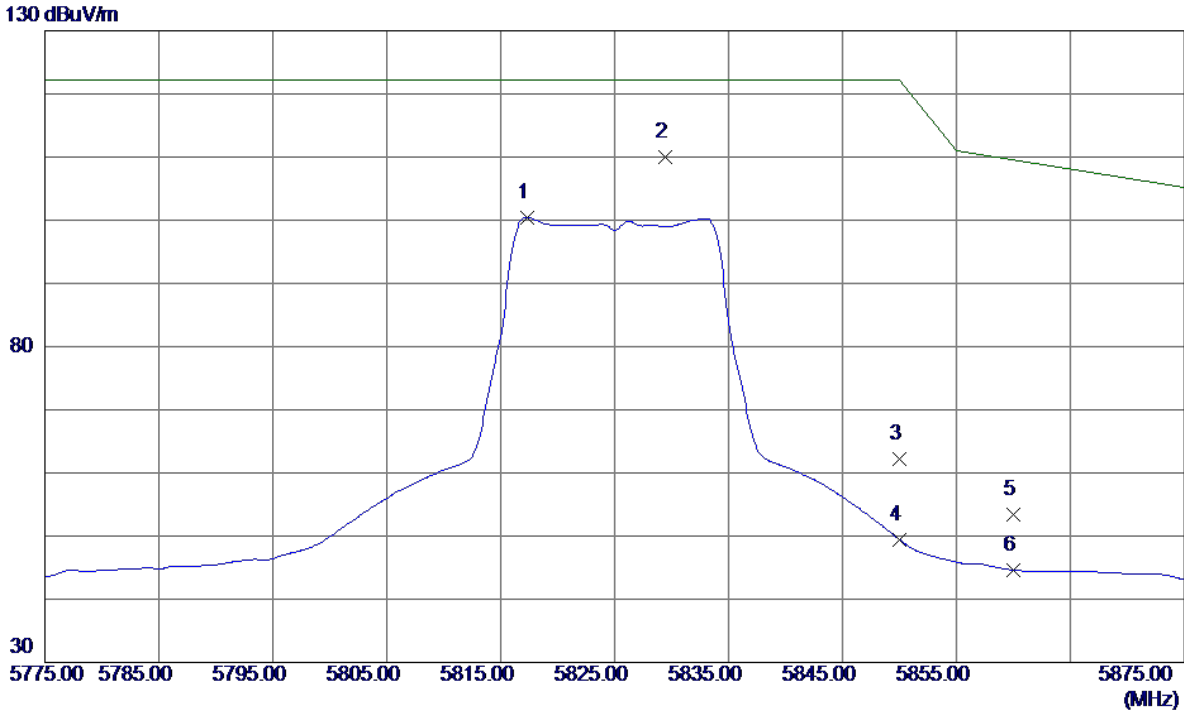
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11649.0000	33.71	17.79	51.50	54.00	-2.50	AVG	
2	11649.8000	44.88	17.79	62.67	68.30	-5.63	Peak	

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

Horizontal

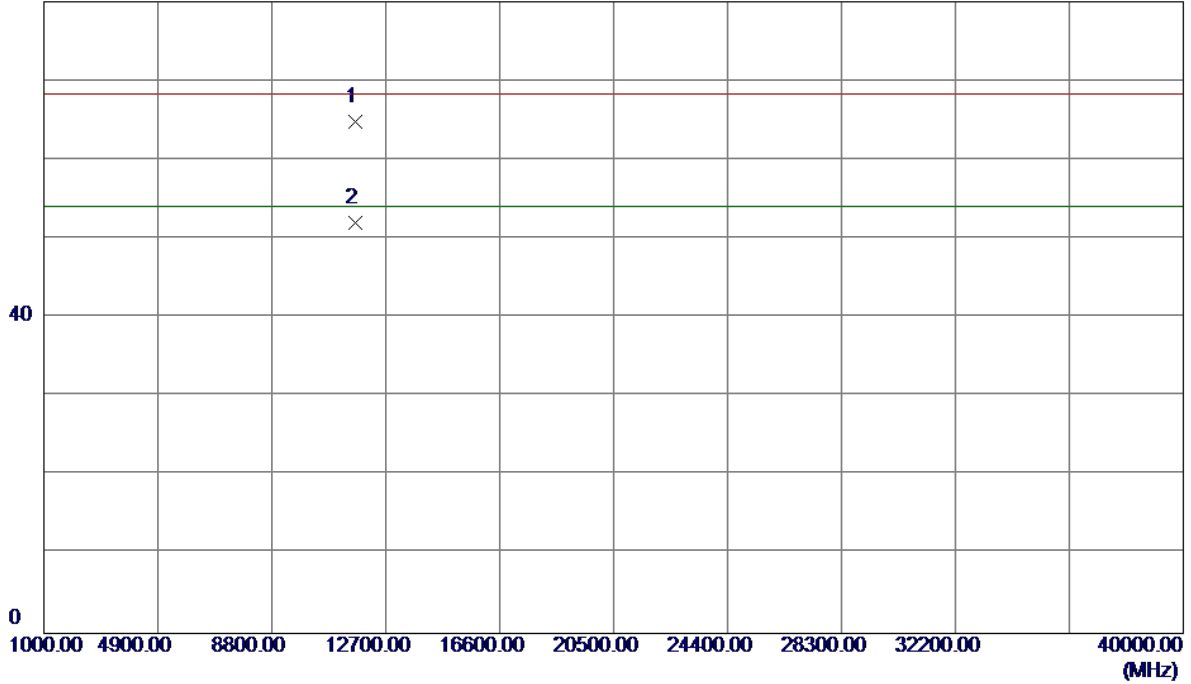


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5817.3000	57.60	42.81	100.41	122.30	-21.89	AVG	
2 *	5829.4000	67.25	42.82	110.07	122.30	-12.23	Peak	
3	5850.0000	19.27	42.84	62.11	122.30	-60.19	Peak	
4	5850.0000	6.59	42.84	49.43	122.30	-72.87	AVG	
5	5860.0000	10.49	42.85	53.34	109.50	-56.16	Peak	
6	5860.0000	1.77	42.85	44.62	109.50	-64.88	AVG	

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

Horizontal

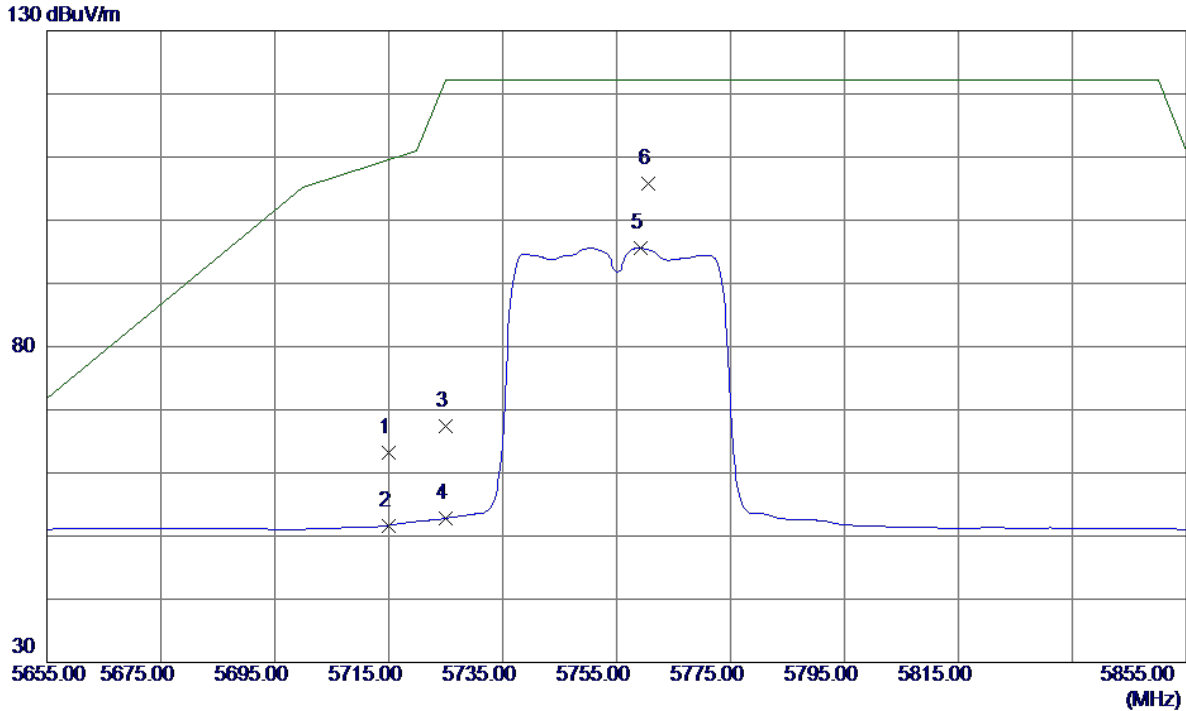
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11648.0000	46.94	17.79	64.73	68.30	-3.57	Peak	
2 *	11649.1000	34.27	17.79	52.06	54.00	-1.94	AVG	

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

Vertical

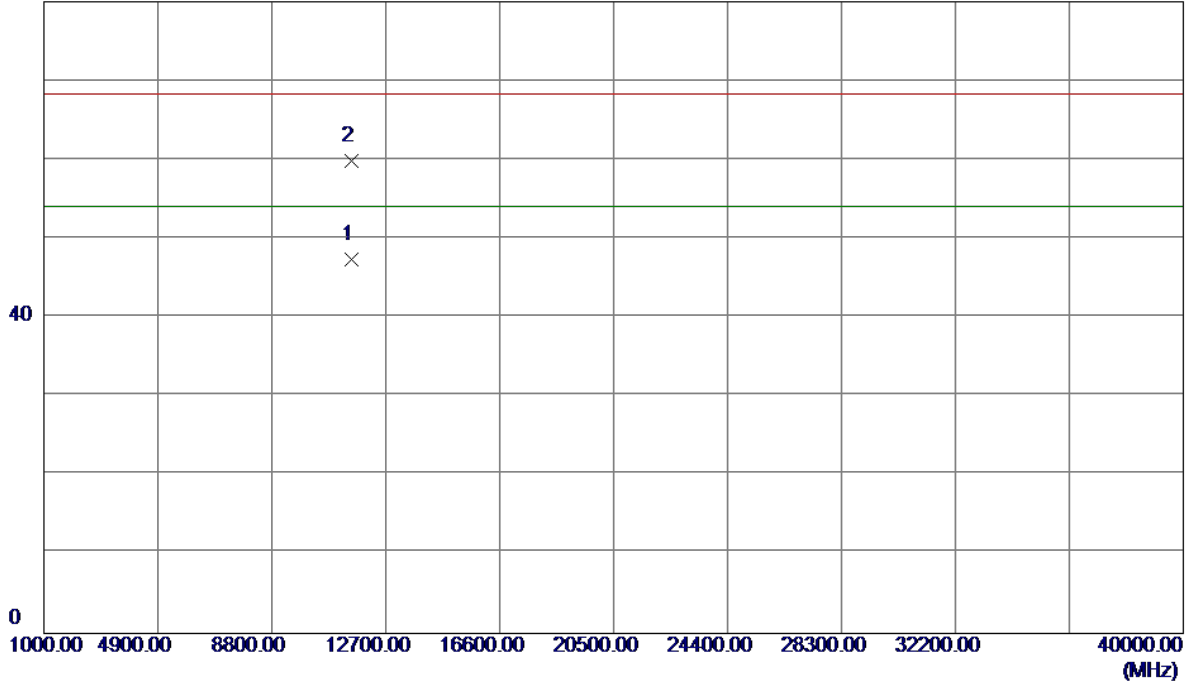


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	20.39	42.72	63.11	109.50	-46.39	Peak	
2	5715.0000	8.96	42.72	51.68	109.50	-57.82	AVG	
3	5725.0000	24.75	42.73	67.48	122.30	-54.82	Peak	
4	5725.0000	10.09	42.73	52.82	122.30	-69.48	AVG	
5	5759.2000	52.85	42.76	95.61	122.30	-26.69	AVG	
6 *	5760.6000	63.10	42.76	105.86	122.30	-16.44	Peak	

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

Vertical

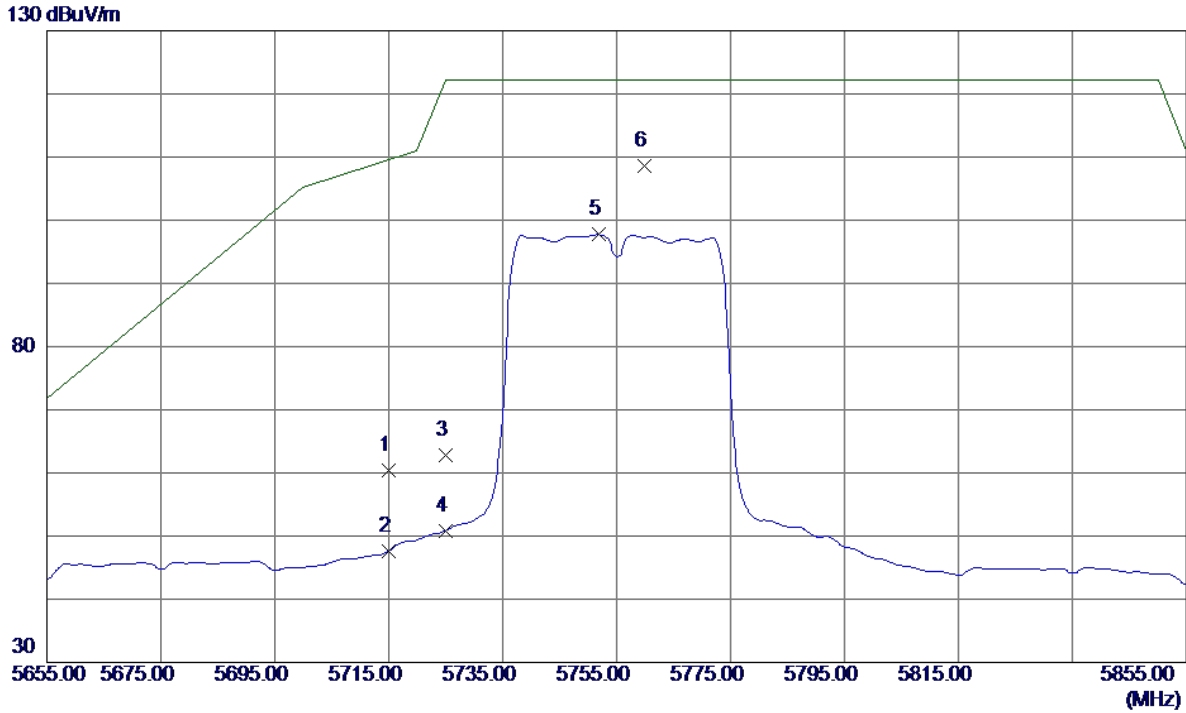
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11509.0000	29.40	17.90	47.30	54.00	-6.70	AVG	
2	11511.4000	41.87	17.90	59.77	68.30	-8.53	Peak	

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

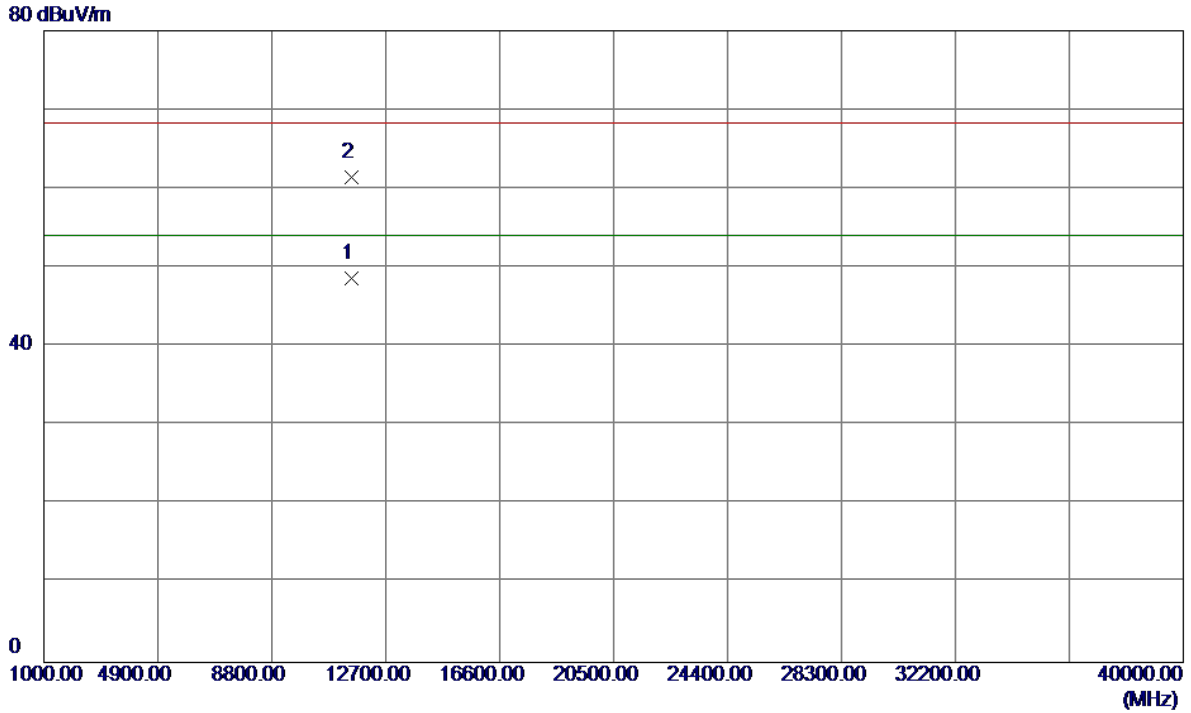
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	17.59	42.72	60.31	109.50	-49.19	Peak	
2	5715.0000	4.92	42.72	47.64	109.50	-61.86	AVG	
3	5725.0000	20.07	42.73	62.80	122.30	-59.50	Peak	
4	5725.0000	8.16	42.73	50.89	122.30	-71.41	AVG	
5	5751.8000	54.96	42.75	97.71	122.30	-24.59	AVG	
6 *	5759.8000	65.90	42.76	108.66	122.30	-13.64	Peak	

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

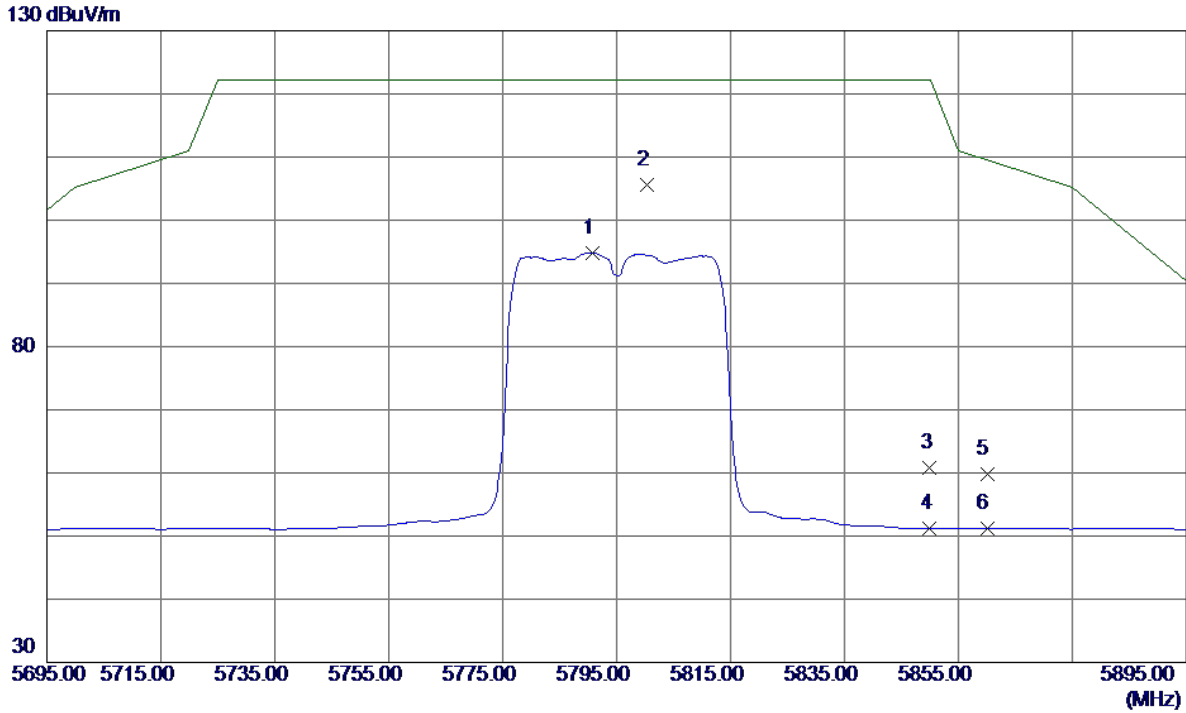
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11508.9000	30.75	17.90	48.65	54.00	-5.35	AVG	
2	11511.5000	43.55	17.90	61.45	68.30	-6.85	Peak	

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

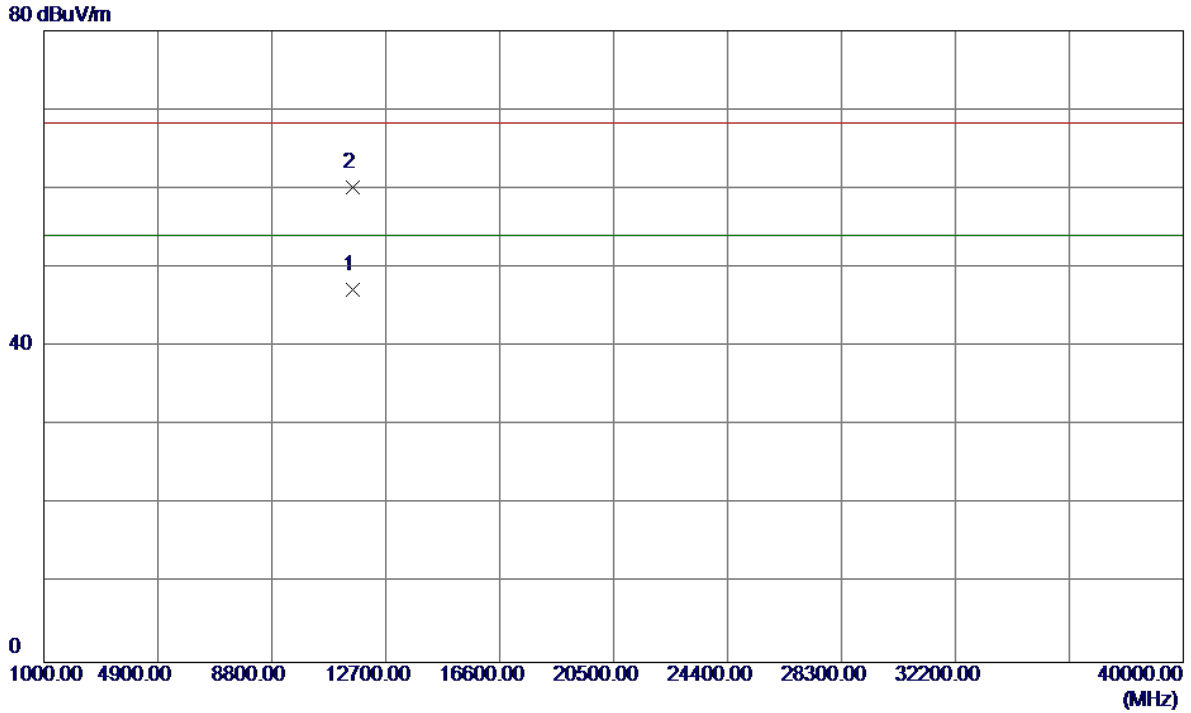
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5790.8000	52.03	42.79	94.82	122.30	-27.48	AVG	
2 *	5800.4000	62.79	42.79	105.58	122.30	-16.72	Peak	
3	5850.0000	17.95	42.84	60.79	122.30	-61.51	Peak	
4	5850.0000	8.38	42.84	51.22	122.30	-71.08	AVG	
5	5860.0000	16.95	42.85	59.80	109.50	-49.70	Peak	
6	5860.0000	8.42	42.85	51.27	109.50	-58.23	AVG	

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

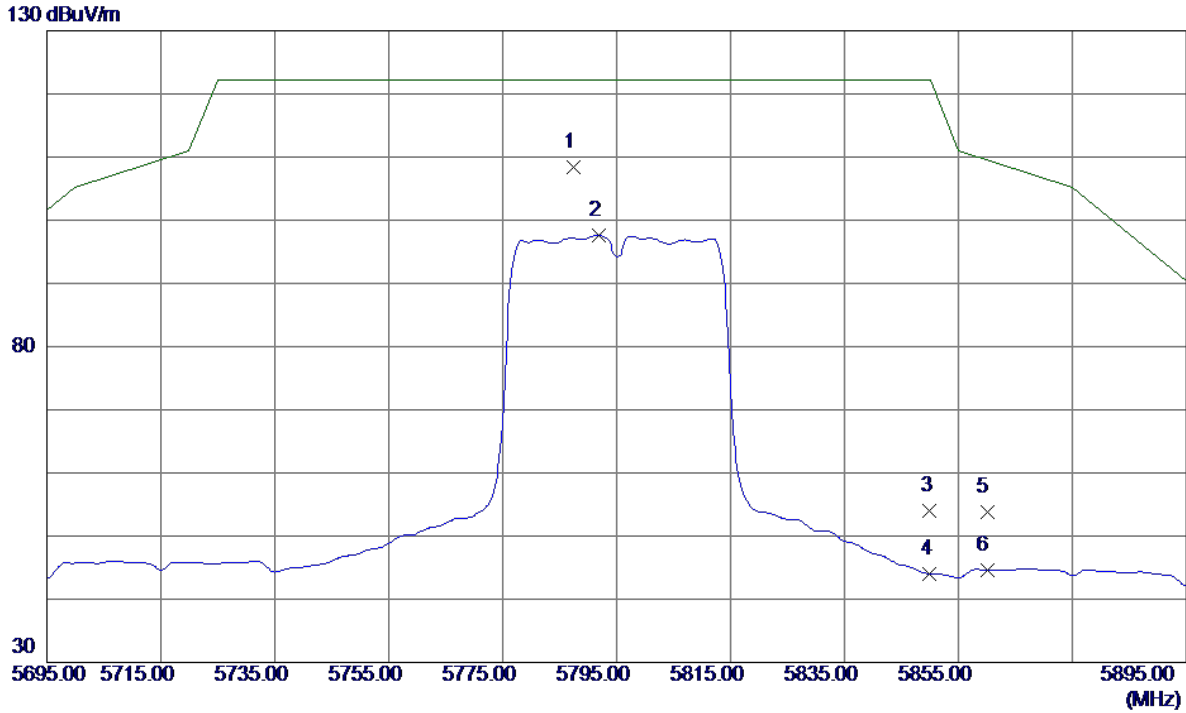
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11589.0000	29.44	17.83	47.27	54.00	-6.73	AVG	
2	11589.1000	42.31	17.83	60.14	68.30	-8.16	Peak	

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

Horizontal

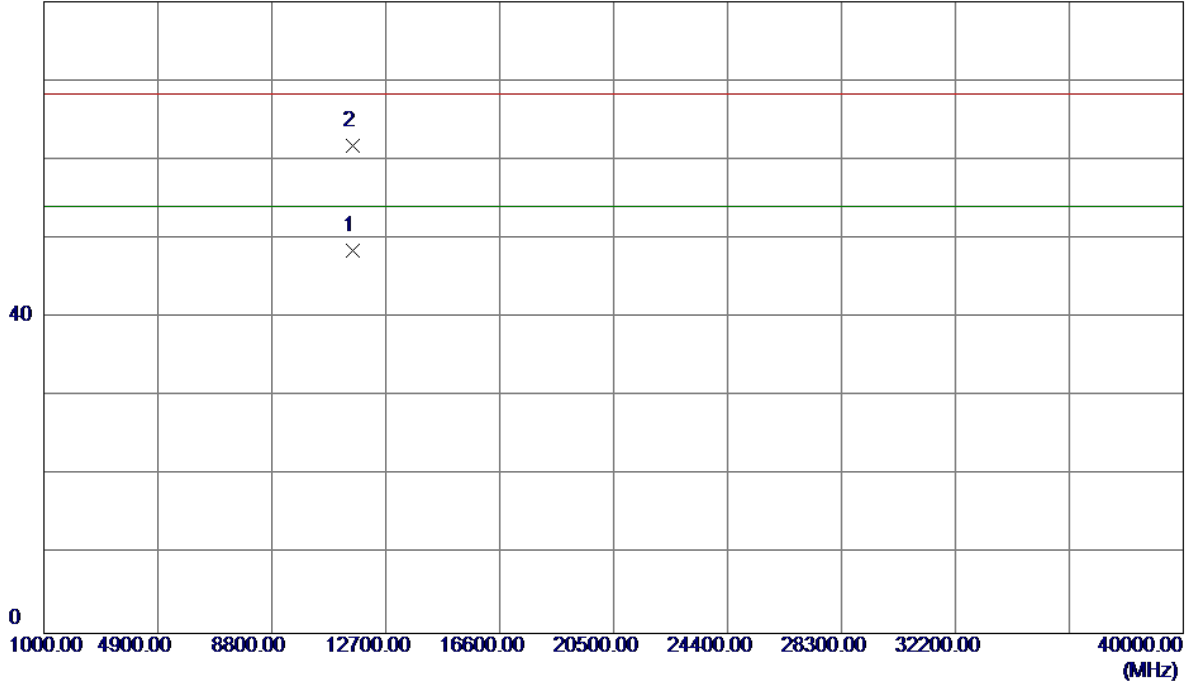


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5787.4000	65.53	42.78	108.31	122.30	-13.99	Peak	
2	5791.8000	54.80	42.79	97.59	122.30	-24.71	AVG	
3	5850.0000	11.16	42.84	54.00	122.30	-68.30	Peak	
4	5850.0000	1.14	42.84	43.98	122.30	-78.32	AVG	
5	5860.0000	10.97	42.85	53.82	109.50	-55.68	Peak	
6	5860.0000	1.73	42.85	44.58	109.50	-64.92	AVG	

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

Horizontal

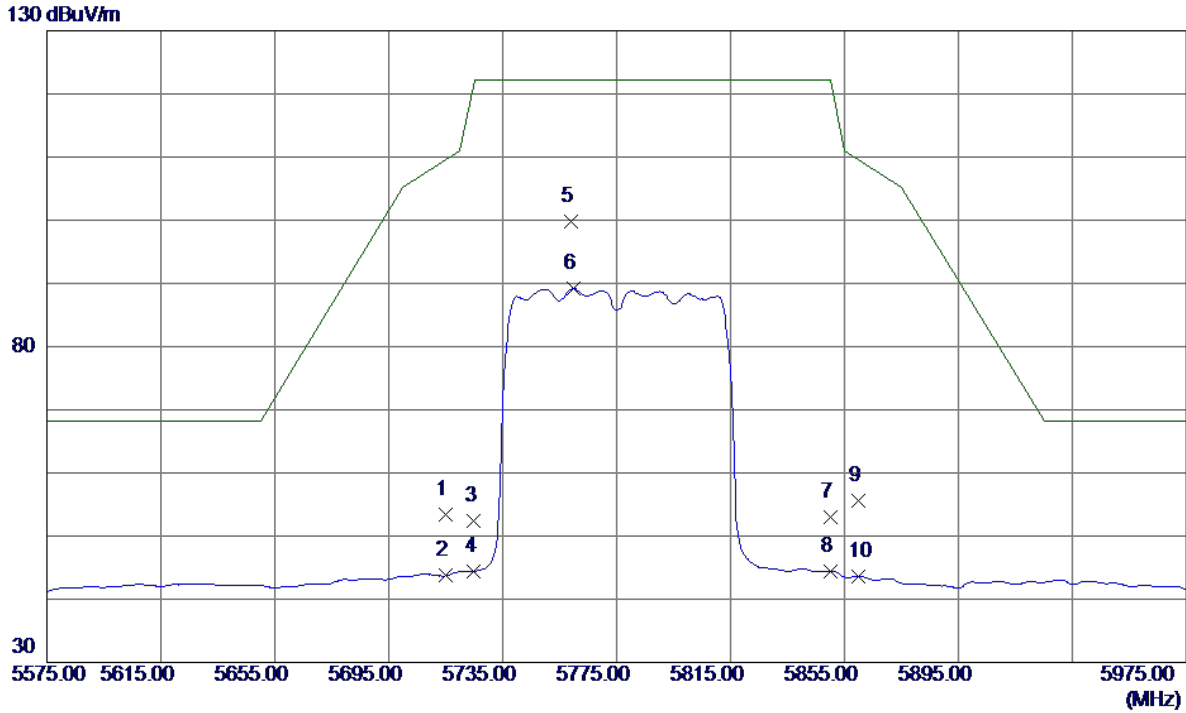
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11588.8000	30.72	17.83	48.55	54.00	-5.45	AVG	
2	11589.0000	43.88	17.83	61.71	68.30	-6.59	Peak	

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

Vertical

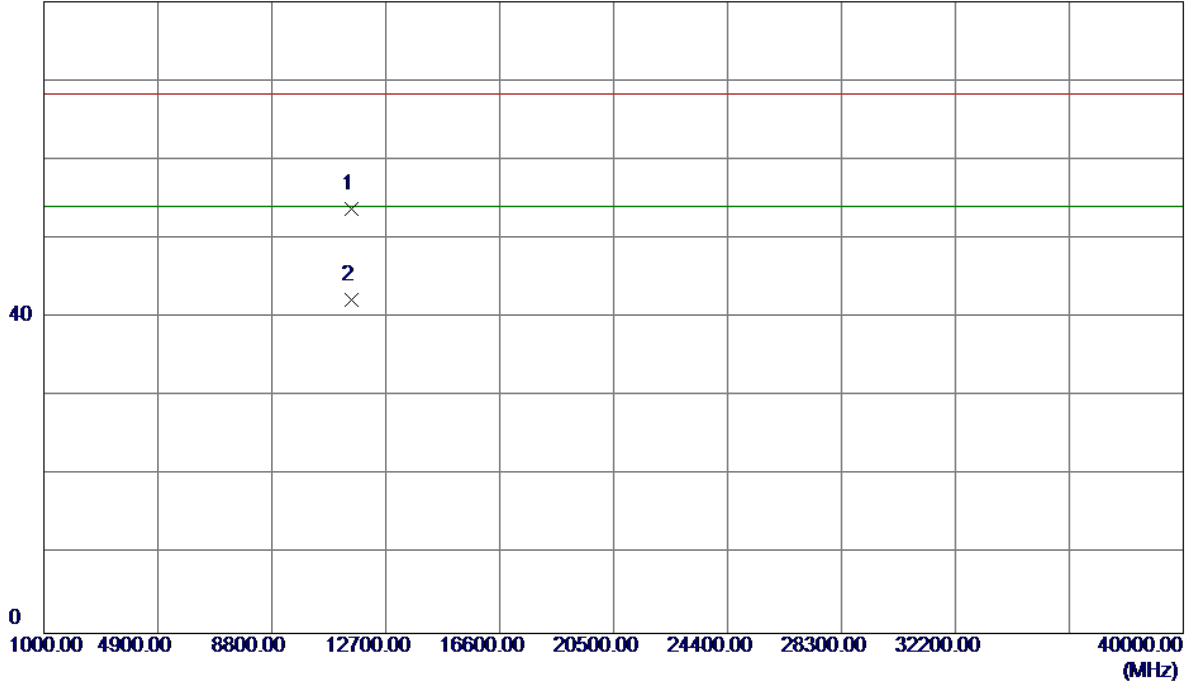


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	10.61	42.72	53.33	109.50	-56.17	Peak	
2	5715.0000	1.01	42.72	43.73	109.50	-65.77	AVG	
3	5725.0000	9.63	42.73	52.36	122.30	-69.94	Peak	
4	5725.0000	1.68	42.73	44.41	122.30	-77.89	AVG	
5 *	5759.0000	57.09	42.76	99.85	122.30	-22.45	Peak	
6	5759.8000	46.48	42.76	89.24	122.30	-33.06	AVG	
7	5850.0000	10.08	42.84	52.92	122.30	-69.38	Peak	
8	5850.0000	1.60	42.84	44.44	122.30	-77.86	AVG	
9	5860.0000	12.69	42.85	55.54	109.50	-53.96	Peak	
10	5860.0000	0.81	42.85	43.66	109.50	-65.84	AVG	

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

Vertical

80 dBuV/m

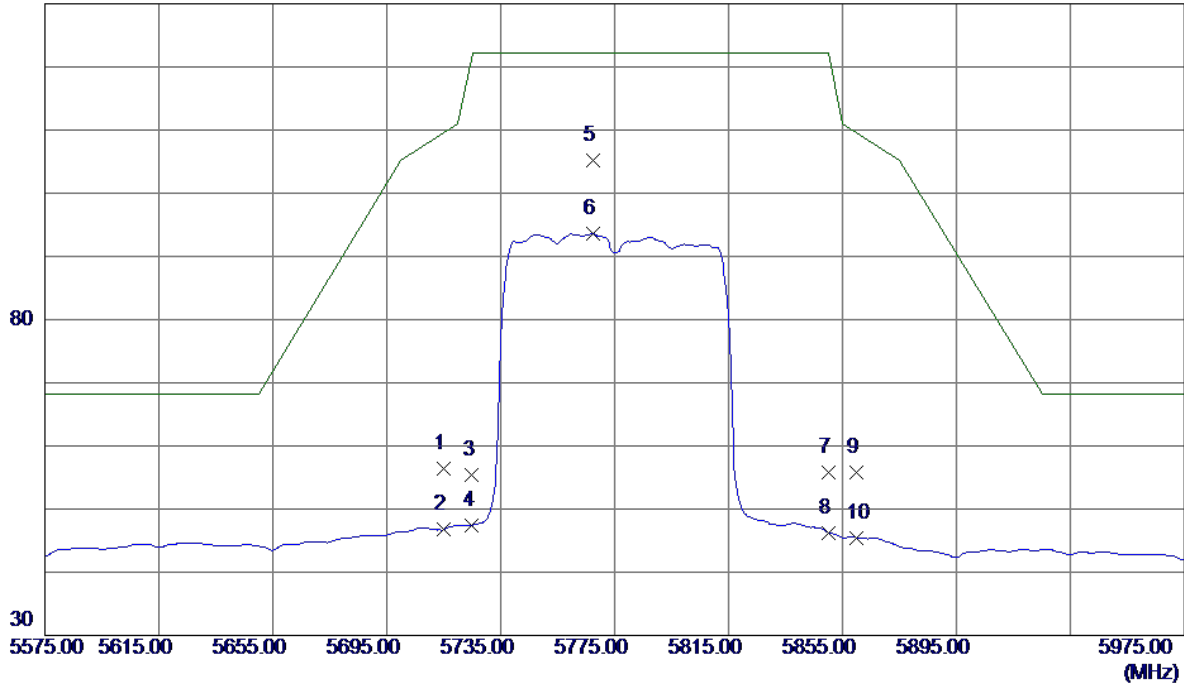


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11550.2000	35.91	17.87	53.78	68.30	-14.52	Peak	
2 *	11551.6000	24.41	17.86	42.27	54.00	-11.73	AVG	

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

Horizontal

130 dBuV/m

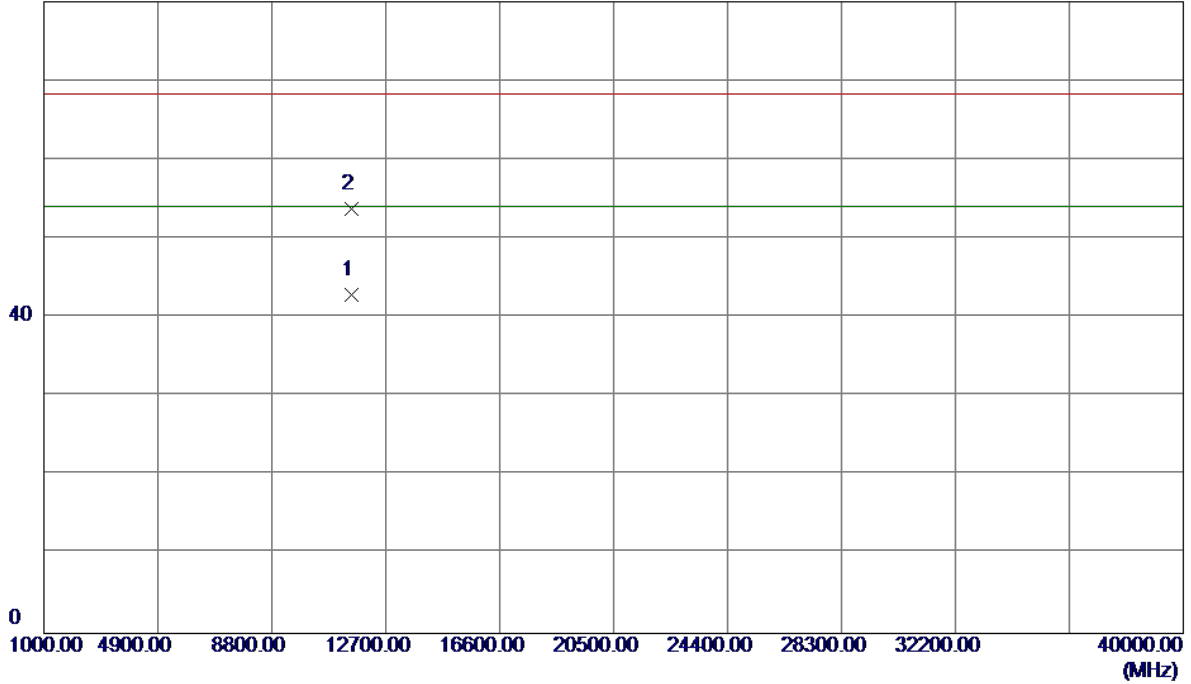


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	13.65	42.72	56.37	109.50	-53.13	Peak	
2	5715.0000	4.01	42.72	46.73	109.50	-62.77	AVG	
3	5725.0000	12.72	42.73	55.45	122.30	-66.85	Peak	
4	5725.0000	4.70	42.73	47.43	122.30	-74.87	AVG	
5 *	5767.4000	62.43	42.77	105.20	122.30	-17.10	Peak	
6	5767.4000	50.76	42.77	93.53	122.30	-28.77	AVG	
7	5850.0000	12.99	42.84	55.83	122.30	-66.47	Peak	
8	5850.0000	3.42	42.84	46.26	122.30	-76.04	AVG	
9	5860.0000	13.00	42.85	55.85	109.50	-53.65	Peak	
10	5860.0000	2.59	42.85	45.44	109.50	-64.06	AVG	

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

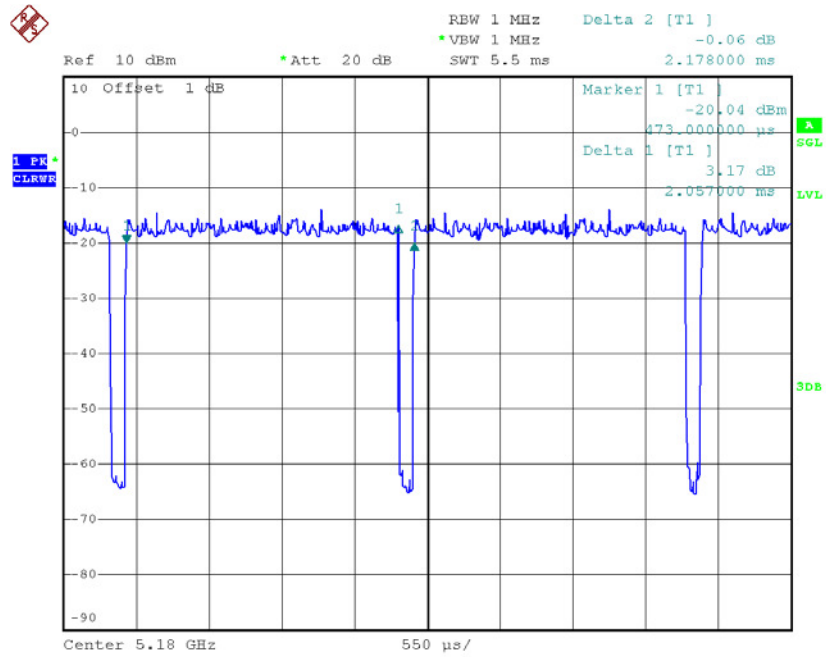
Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11550.2000	24.97	17.87	42.84	54.00	-11.16	AVG	
2	11550.6000	35.88	17.86	53.74	68.30	-14.56	Peak	

TX A Mode_DUTY CYCLE



Date: 9.OCT.2016 11:48:20

Duty cycle: TX DUTYMHz

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

T_{ON} : 2.06 msec

T_{Total} : 2.18 msec

Duty cycle: 94.50%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

Duty Factor = 0.25

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

$$\text{Output Power} = \text{Measured power} + \text{Ducy factor}$$

$$\text{Power Spectral Density} = \text{Measured density} + \text{Duty factor}$$