

FCC Radio Test Report

FCC ID: KA2IR813B1

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

Project No. : 1505C119
Equipment : AC750 Dual Band Wi-Fi Router
Model Name : DIR-813
Applicant : D-Link Corporation
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114, Taiwan, R.O.C.

Date of Receipt : May 13, 2015
Date of Test : May 13, 2015 ~ Jun. 01, 2015
Issued Date : Jun. 02 2015
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Declaration

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Limitation

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1505C119	Original Issue.	Jun. 02 2015

1. CERTIFICATION

Equipment : AC750 Dual Band Wi-Fi Router
Brand Name : D-Link
Model Name : DIR-813
Applicant : D-Link Corporation
Date of Test : May 13, 2015 ~ Jun. 01, 2015
Test Sample : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart E(15.407) / ANSI C63.4: 2009
FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

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-2-1505C119) 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
FCC			
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 **DG-C02/DG-CB03** at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China. 523792
BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

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%** ◦

The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
DG-C02	CISPR	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)	NOTE
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	AC750 Dual Band Wi-Fi Router	
Brand Name	D-Link	
Model Name	DIR-813	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	300Mbps
	Output Power (Max.)for UNII-1	802.11a: 16.70dBm 802.11n (20M): 15.76dBm 802.11n (40M): 18.54dBm 802.11ac (20M): 16.04dBm 802.11ac (40M): 18.47dBm 802.11ac (80M): 12.85dBm
	Output Power (Max.)for UNII-3	802.11a: 18.46dBm 802.11n (20M): 18.53dBm 802.11n (40M): 17.87dBm 802.11ac (20M): 18.91dBm 802.11ac (40M): 17.86dBm 802.11ac (80M): 10.41dBm
Power Source	DC Voltage supplied from AC/DC adapter. #1 Manufacture/Model:FRECOM/ F05L5-050100SPAU #2 Manufacture/Model: LEADER / MU05BS050100-A1	
Power Rating	#1 I/P:100-240V~50/60Hz 0.2A O/P: 5V/1A #2 I/P:100-240V~50/60Hz 0.18A O/P:5V/1A	

Note:


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

2. Channel List:

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

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

3. Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Length	Gain (dBi)	Note
1		290-20206	Dipole	120mm	4.60	5G

3.2 DESCRIPTION OF TEST MODES

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

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

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

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

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

Note:

- (1) For radiated below 1GHz test, the 802.11a mode is found to be the worst case and recorded.
- (2) The adapter FRECOM and adapter LEADER were tested, the FRECOM is worst case for and included in the test report.

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

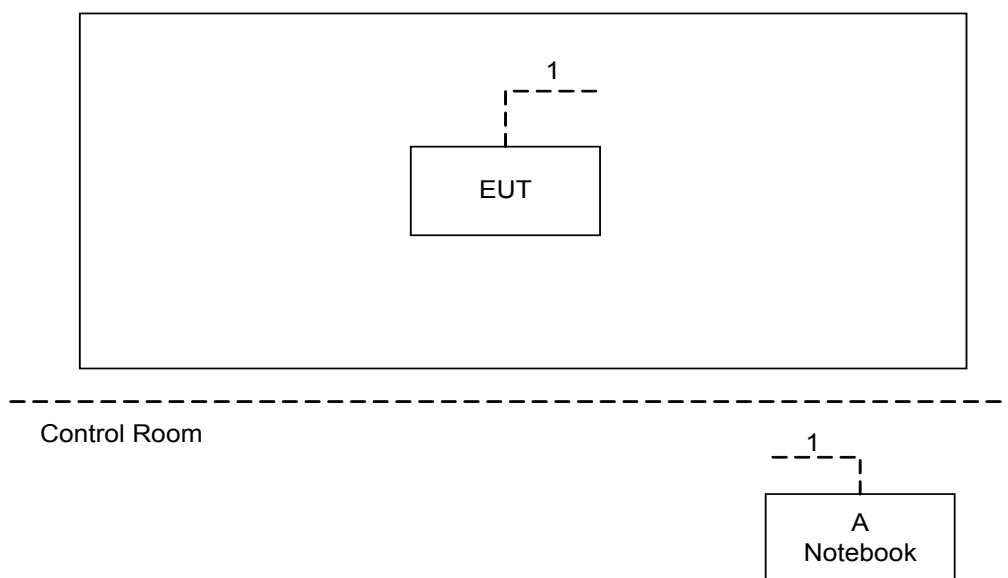
UNII-1			
Test Software Version	RTL819x3.0		
Frequency (MHz)	5180	5200	5240
A Mode	56	63	63
Frequency (MHz)	5180	5200	5240
N20 Mode	53	63	63
Frequency (MHz)	5190	5230	
N40 Mode	49	63	

UNII-3			
Test Software Version	RTL819x3.0		
Frequency (MHz)	5745	5785	5825
A Mode	57	63	63
Frequency (MHz)	5745	5785	5825
N20 Mode	53	63	63
Frequency (MHz)	5755	5795	
N40 Mode	50	63	

UNII-1			
Test Software Version	RTL819x3.0		
Frequency (MHz)	5180	5200	5240
AC20 Mode	54	63	63
Frequency (MHz)	5190	5230	
AC40 Mode	49	63	
Frequency (MHz)	5210		
AC80 Mode	47		

UNII-3			
Test Software Version	RTL819x3.0		
Frequency (MHz)	5745	5785	5825
AC20 Mode	53	63	63
Frequency (MHz)	5755	5795	
AC40 Mode	50	63	
Frequency (MHz)	5775		
AC80 Mode	47		

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/IC	Series No.	Note
A	Notebook	DELL	INSPIRON 1420	DOC	NA	

Item	Shielded Type	Ferrite Core	Length	Note
1	YES	NO	10m	RJ45 Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150kHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
 Margin Level = Measurement Value - Limit Value

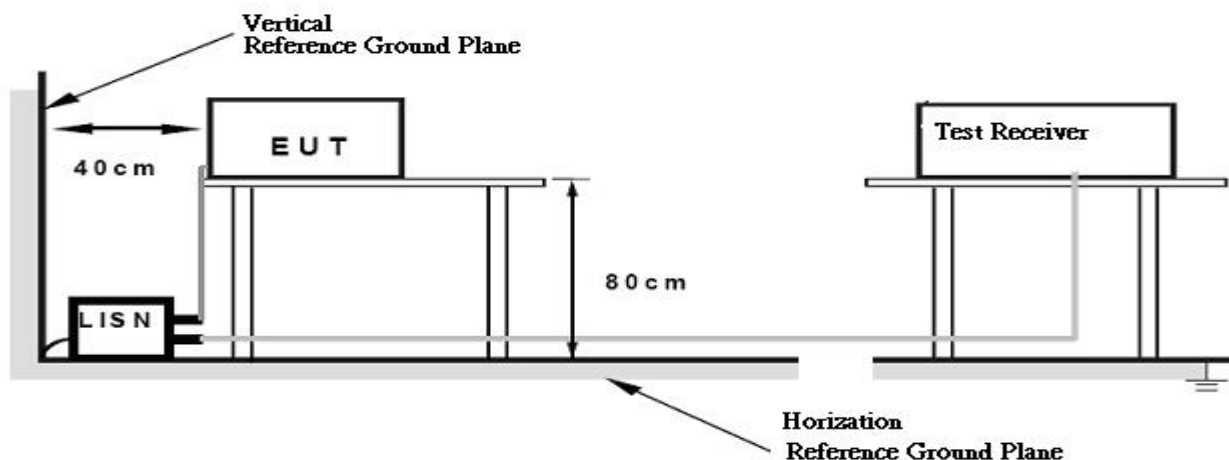
4.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

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

The EUT was programmed to be in continuously transmitting/TX Mode mode.

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150kHz to 30MHz.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dB μ V/m)
5150-5250	-27	68.3
5250-5350	-27	68.3
5470-5725	-27	68.3
5725-5850	-27 (beyond 10MHz of the band edge)	68.3
	-17 (within 10 MHz of band edge)	78.3

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

4.2.2 TEST PROCEDURE

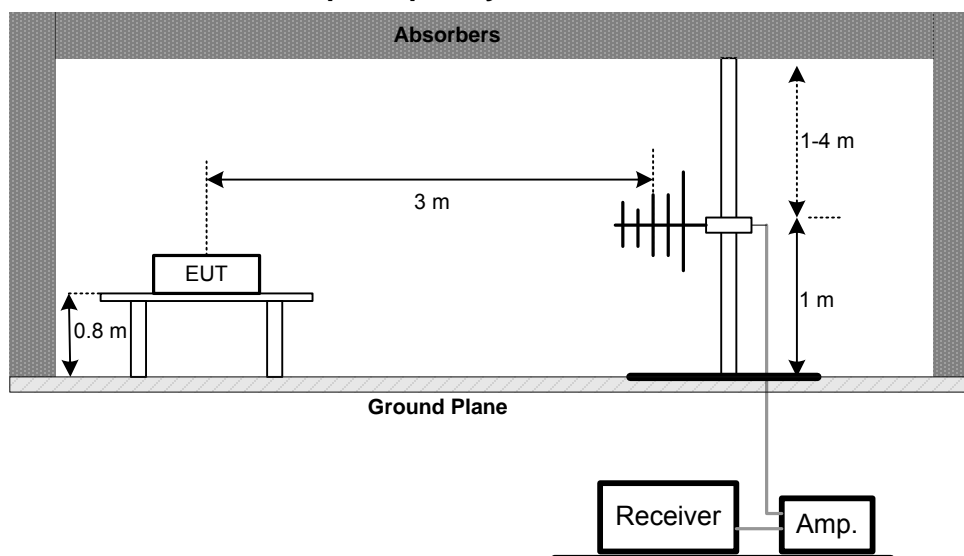
- a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

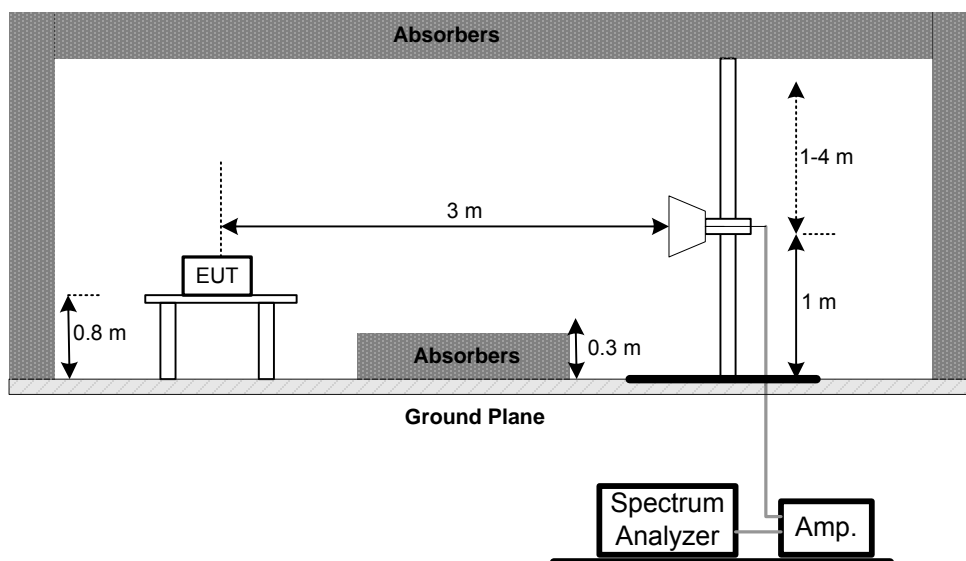
No deviation

4.2.4 TEST SETUP

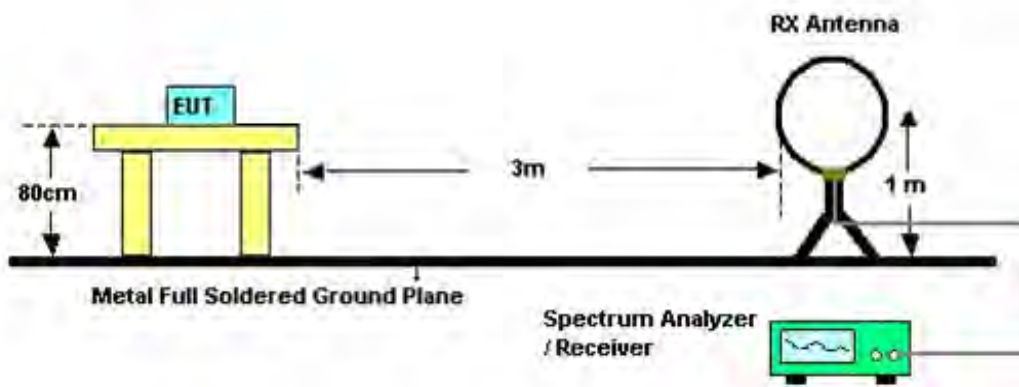
(A) Radiated Emission Test Set-Up Frequency Below 1GHz



(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: 28°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.

Remark:

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120kHz ; SPA setting in RBW=120kHz, VBW =120kHz, Swp. Time = 0.3 sec./MHz ◦
- (2) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Attachment D.

Remark:

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

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

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

5.1.1 TEST PROCEDURE

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

b.

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

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

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

7.1.1 TEST PROCEDURE

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

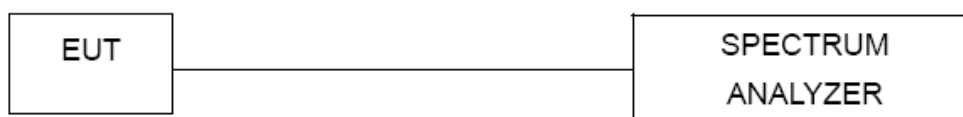
b.

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

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

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
2. The value measured with RBW=1MHz is to be added with $10\log(500\text{kHz}/1\text{MHz})$ 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.

8.1.1 DEVIATION FROM STANDARD

No deviation.

8.1.2 TEST SETUP



8.1.3 EUT OPERATION CONDITIONS

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

8.1.4 EUT TEST CONDITIONS

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

8.1.5 TEST RESULTS

Please refer to the Attachment H.

9. FREQUENCY STABILITY MEASUREMENT

9.1 APPLIED PROCEDURES / LIMIT

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

9.1.1 TEST PROCEDURE

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

b.

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

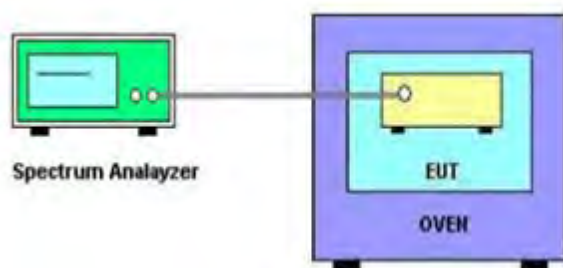
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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

9.1.2 DEVIATION FROM STANDARD

No deviation.

9.1.3 TEST SETUP



9.1.4 EUT OPERATION CONDITIONS

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

9.1.5 EUT TEST CONDITIONS

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

9.1.6 TEST RESULTS

Please refer to the Attachment I.

10. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Mar. 28, 2016
2	LISN	R&S	ENV216	101447	Mar. 28, 2016
3	Test Cable	N/A	C_17	N/A	Mar. 13, 2016
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 28, 2016
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1 -01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Nov. 17, 2015
3	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 30, 2015
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 01, 2015
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Nov. 02, 2015
8	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 30, 2015
9	Test Cable	N/A	C-68	N/A	Jul. 01, 2015
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 28, 2016
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Aug. 16, 2015
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Mar. 28, 2016
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Mar. 28, 2016

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

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

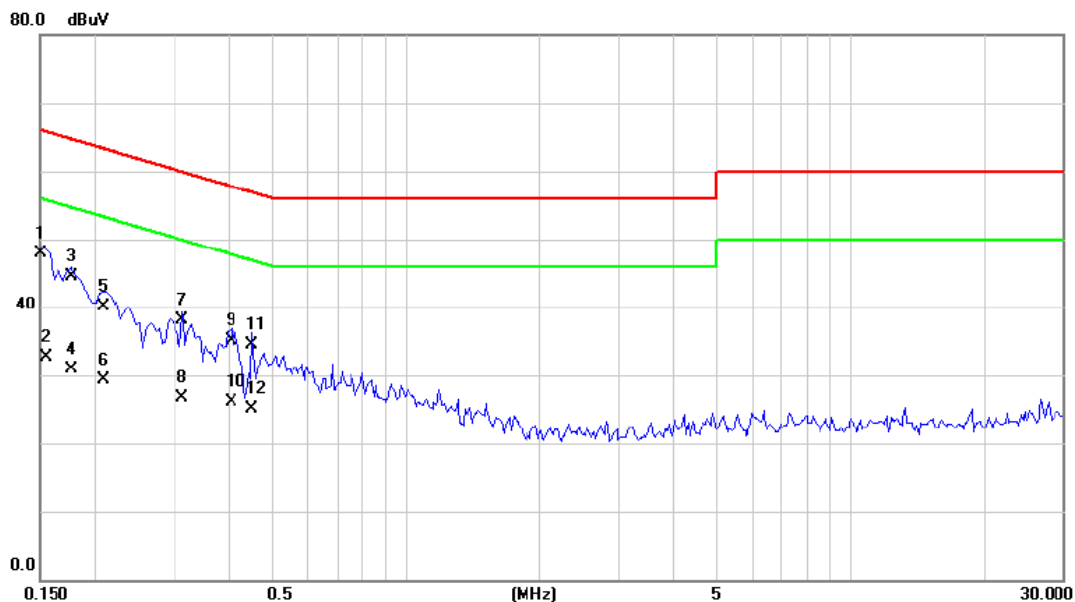
Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

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

ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX MODE
Adapter:	FRECOM/F05L5-050100SPAU

Line

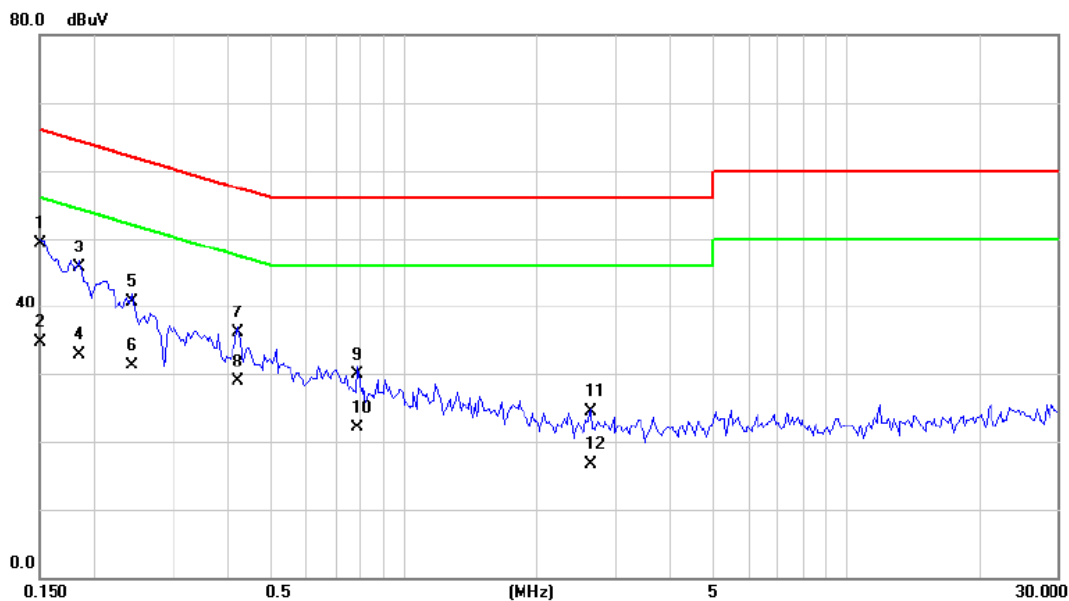


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1500	38.46	9.54	48.00	66.00	-18.00	QP	
2		0.1548	23.11	9.54	32.65	55.74	-23.09	AVG	
3		0.1773	34.89	9.56	44.45	64.61	-20.16	QP	
4		0.1773	21.31	9.56	30.87	54.61	-23.74	AVG	
5		0.2085	30.49	9.58	40.07	63.26	-23.19	QP	
6		0.2086	19.74	9.58	29.32	53.26	-23.94	AVG	
7		0.3140	28.47	9.64	38.11	59.86	-21.75	QP	
8		0.3141	17.12	9.64	26.76	49.86	-23.10	AVG	
9		0.4040	25.48	9.68	35.16	57.77	-22.61	QP	
10		0.4040	16.52	9.68	26.20	47.77	-21.57	AVG	
11		0.4507	24.89	9.68	34.57	56.86	-22.29	QP	
12		0.4508	15.34	9.68	25.02	46.86	-21.84	AVG	

Note : The test result has included the cable loss.

Test Mode:	TX MODE
Adapter:	FRECOM/F05L5-050100SPAU

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1500	39.74	9.49	49.23	66.00	-16.77	QP	
2		0.1500	25.26	9.49	34.75	56.00	-21.25	AVG	
3		0.1850	36.21	9.49	45.70	64.26	-18.56	QP	
4		0.1852	23.45	9.49	32.94	54.25	-21.31	AVG	
5		0.2437	31.27	9.51	40.78	61.97	-21.19	QP	
6		0.2437	21.73	9.51	31.24	51.97	-20.73	AVG	
7		0.4234	26.47	9.54	36.01	57.38	-21.37	QP	
8		0.4234	19.34	9.54	28.88	47.38	-18.50	AVG	
9		0.7867	20.36	9.56	29.92	56.00	-26.08	QP	
10		0.7867	12.59	9.56	22.15	46.00	-23.85	AVG	
11		2.6460	14.78	9.78	24.56	56.00	-31.44	QP	
12		2.6461	6.89	9.78	16.67	46.00	-29.33	AVG	

Note : The test result has included the cable loss.

Conducted Measurement Photos

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

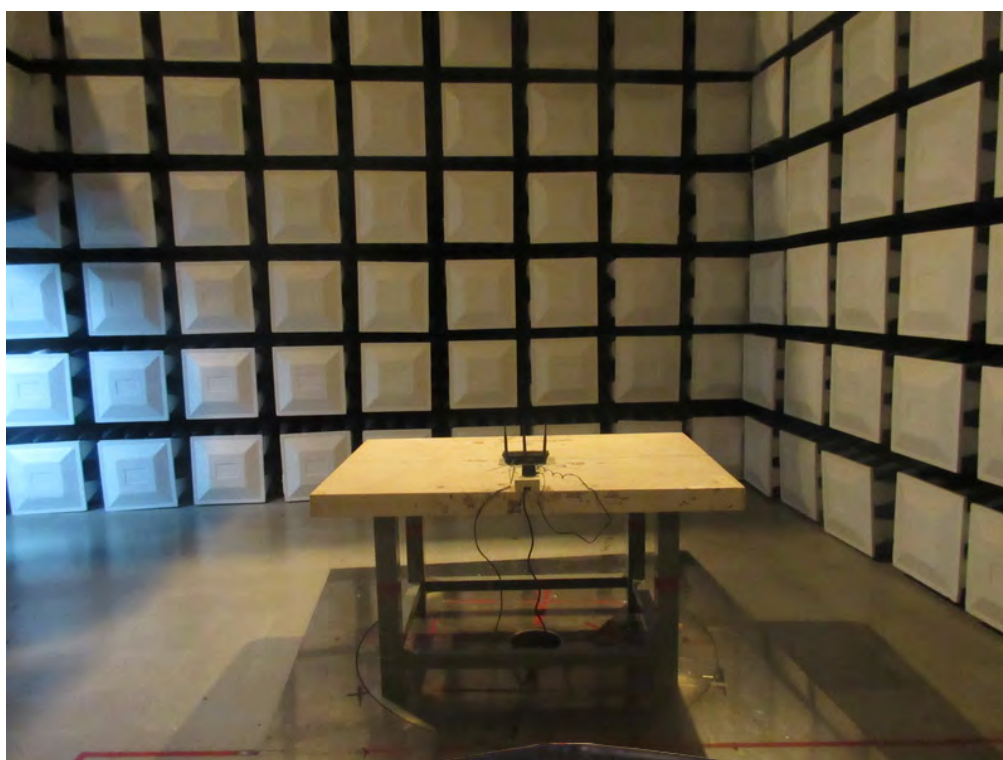
Test Mode:	TX MODE
Adapter:	FRECOM/F05L5-050100SPAU

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Note
0.0093	0°	14.41	24.98	39.39	128.27	-88.88	AVG
0.0093	0°	15.26	24.98	40.24	148.27	-108.03	PEAK
0.0221	0°	7.71	24.17	31.88	120.72	-88.84	AVG
0.0221	0°	8.56	24.17	32.73	140.72	-107.99	PEAK
0.0313	0°	4.12	23.58	27.70	117.69	-89.99	AVG
0.0313	0°	6.23	23.58	29.81	137.69	-107.88	PEAK
0.0427	0°	2.34	22.86	25.20	115.00	-89.79	AVG
0.0427	0°	3.65	22.86	26.51	135.00	-108.48	PEAK
0.4923	0°	18.89	19.82	38.71	73.76	-35.05	QP
1.7162	0°	22.74	19.53	42.27	69.54	-27.27	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Note
0.0095	90°	13.38	24.30	37.68	128.07	-90.39	AVG
0.0095	90°	14.92	24.30	39.22	148.07	-108.85	PEAK
0.0259	90°	7.53	23.93	31.46	119.34	-87.88	AVG
0.0259	90°	9.21	23.93	33.14	139.34	-106.20	PEAK
0.0317	90°	5.37	23.56	28.93	117.58	-88.65	AVG
0.0317	90°	6.52	23.56	30.08	137.58	-107.50	PEAK
0.0432	90°	1.79	22.83	24.62	114.89	-90.27	AVG
0.0432	90°	3.15	22.83	25.98	134.89	-108.91	PEAK
0.4922	90°	22.47	19.82	42.29	73.76	-31.47	QP
1.7154	90°	23.28	19.53	42.81	69.54	-26.73	QP

Radiated Measurement Photos

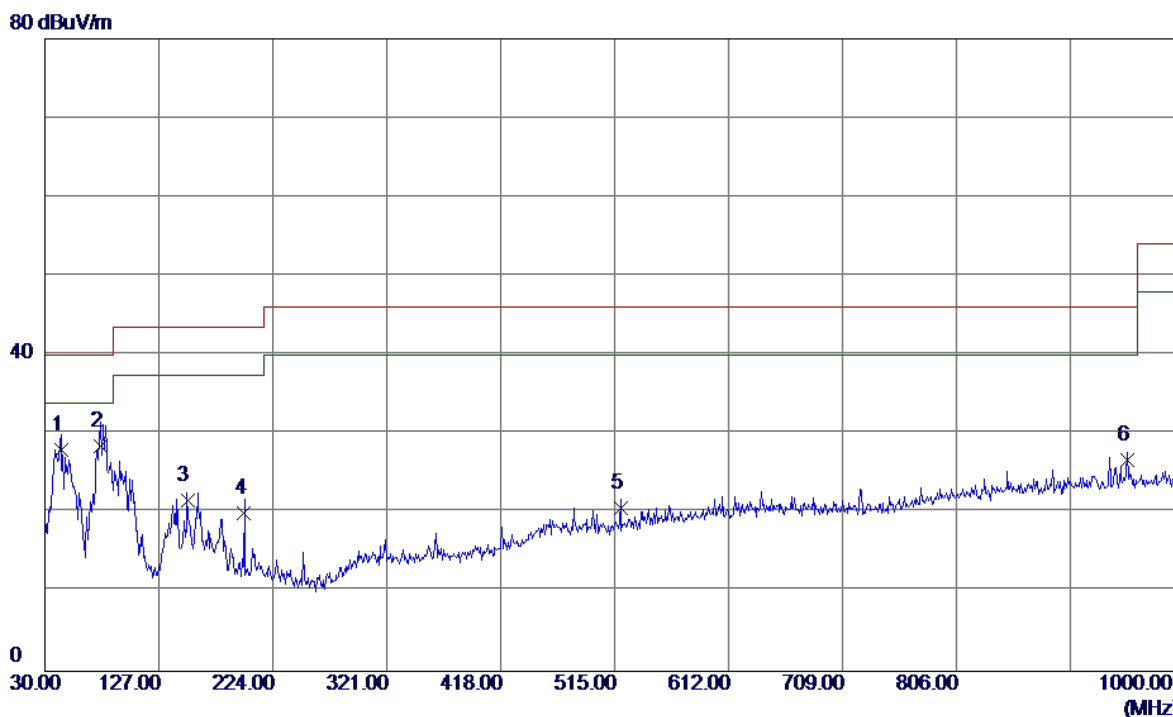
9KHZ to 30MHZ



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

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

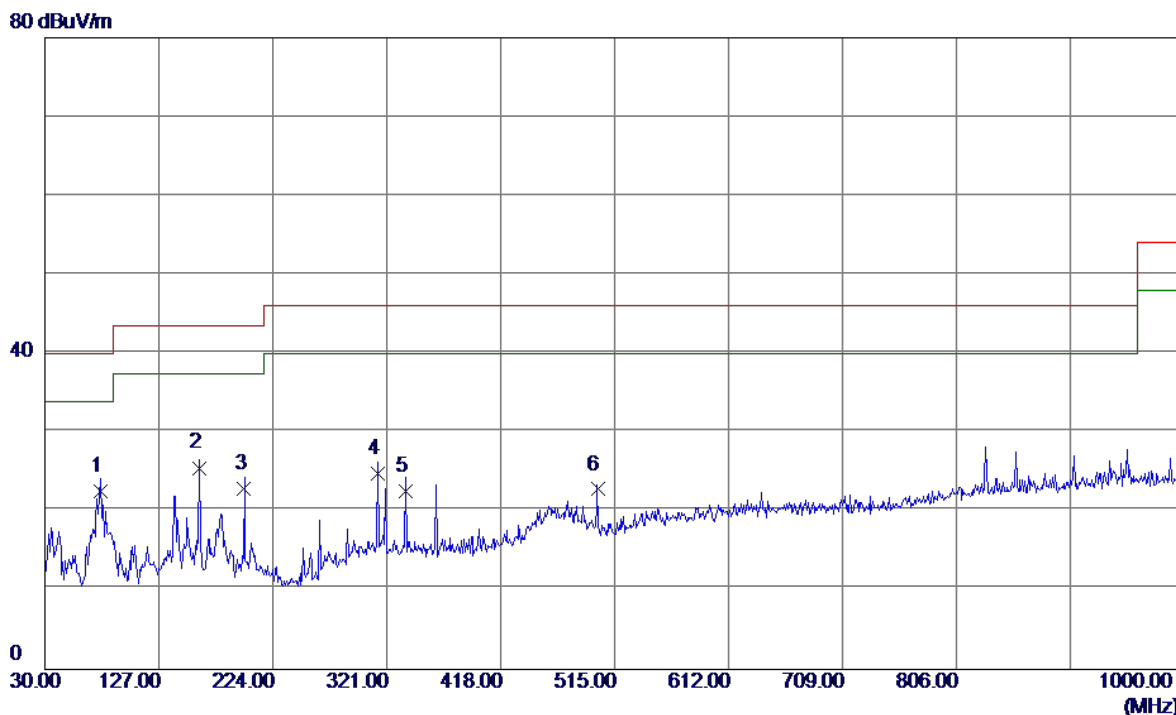
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	43.5800	43.18	-15.22	27.96	40.00	-12.04	QP	
2	77.5300	44.49	-16.02	28.47	40.00	-11.53	QP	
3	151.2500	35.27	-13.71	21.56	43.50	-21.94	QP	
4	199.7500	34.70	-14.64	20.06	43.50	-23.44	QP	
5	519.8500	29.41	-8.82	20.59	46.00	-25.41	QP	
6	951.5000	28.71	-1.97	26.74	46.00	-19.26	QP	

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

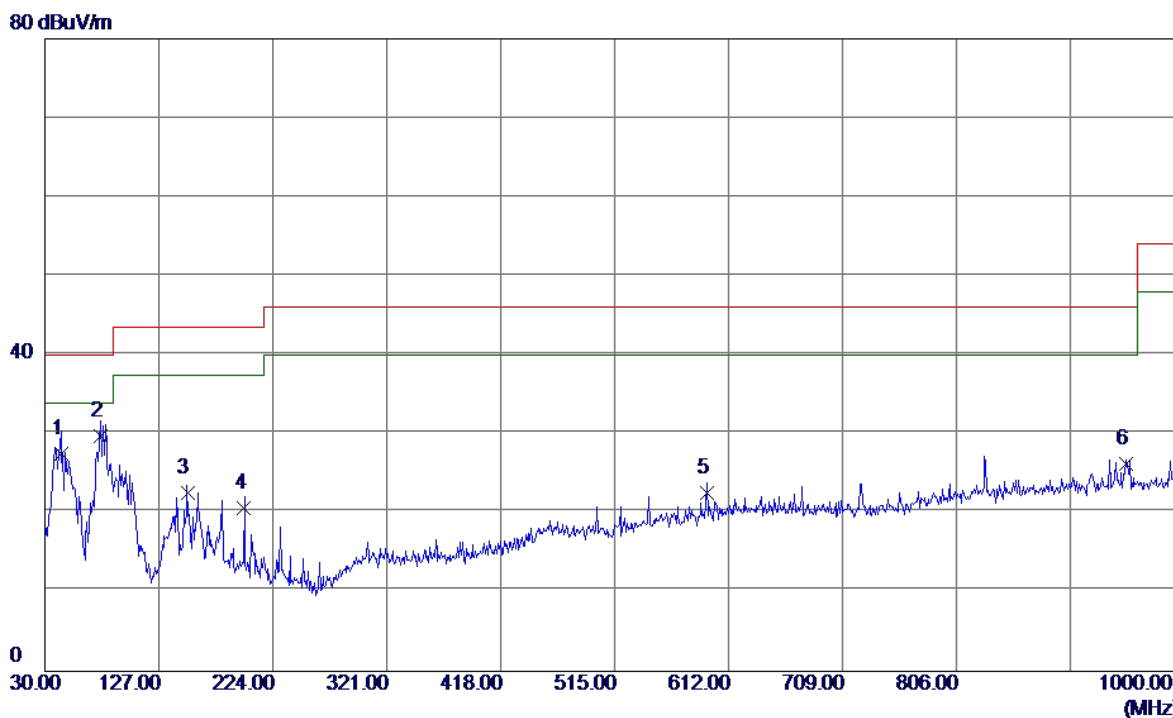
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	77.5300	38.54	-16.02	22.52	40.00	-17.48	QP	
2	161.9200	39.08	-13.56	25.52	43.50	-17.98	QP	
3	199.7500	37.52	-14.64	22.88	43.50	-20.62	QP	
4	313.2400	35.69	-10.84	24.85	46.00	-21.15	QP	
5	337.4900	33.52	-10.90	22.62	46.00	-23.38	QP	
6	500.4500	32.57	-9.77	22.80	46.00	-23.20	QP	

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

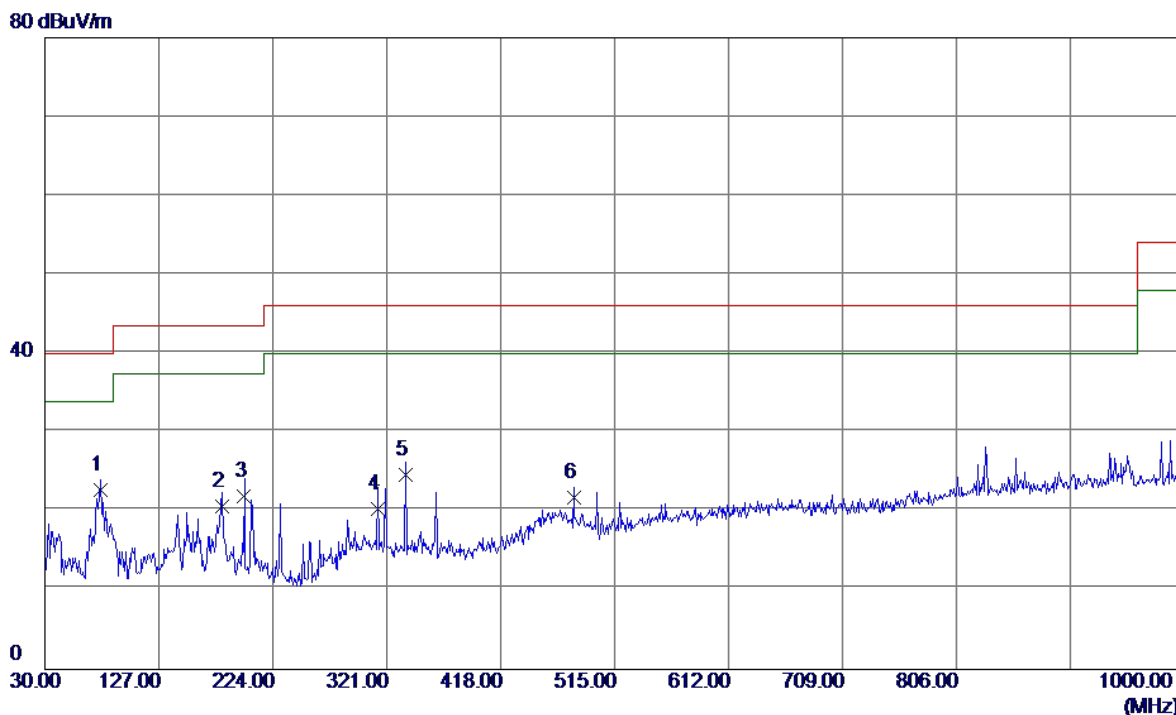
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	43.5800	42.77	-15.22	27.55	40.00	-12.45	QP	
2	77.5300	45.73	-16.02	29.71	40.00	-10.29	QP	
3	151.2500	36.30	-13.71	22.59	43.50	-20.91	QP	
4	199.7500	35.23	-14.64	20.59	43.50	-22.91	QP	
5	593.5700	29.38	-6.83	22.55	46.00	-23.45	QP	
6	950.5300	28.24	-1.98	26.26	46.00	-19.74	QP	

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

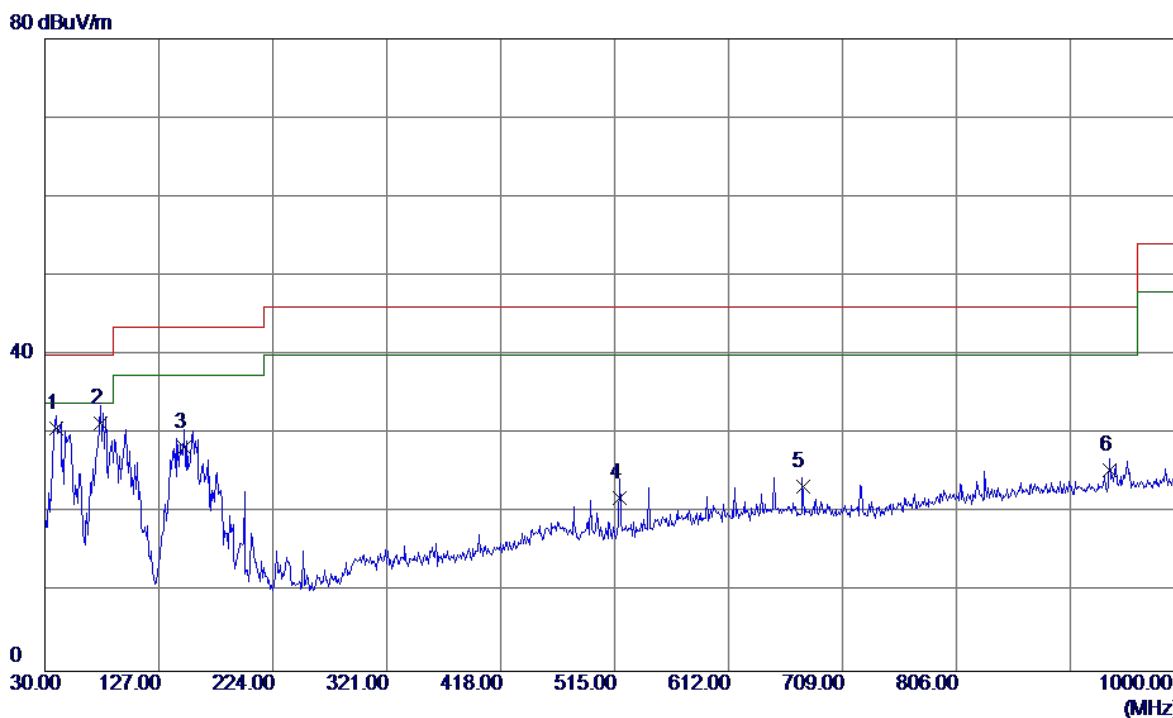
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	77.5300	38.79	-16.02	22.77	40.00	-17.23	QP	
2	181.3200	33.60	-12.95	20.65	43.50	-22.85	QP	
3	199.7500	36.52	-14.64	21.88	43.50	-21.62	QP	
4	313.2400	31.22	-10.84	20.38	46.00	-25.62	QP	
5	337.4900	35.56	-10.90	24.66	46.00	-21.34	QP	
6	480.0800	31.40	-9.61	21.79	46.00	-24.21	QP	

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

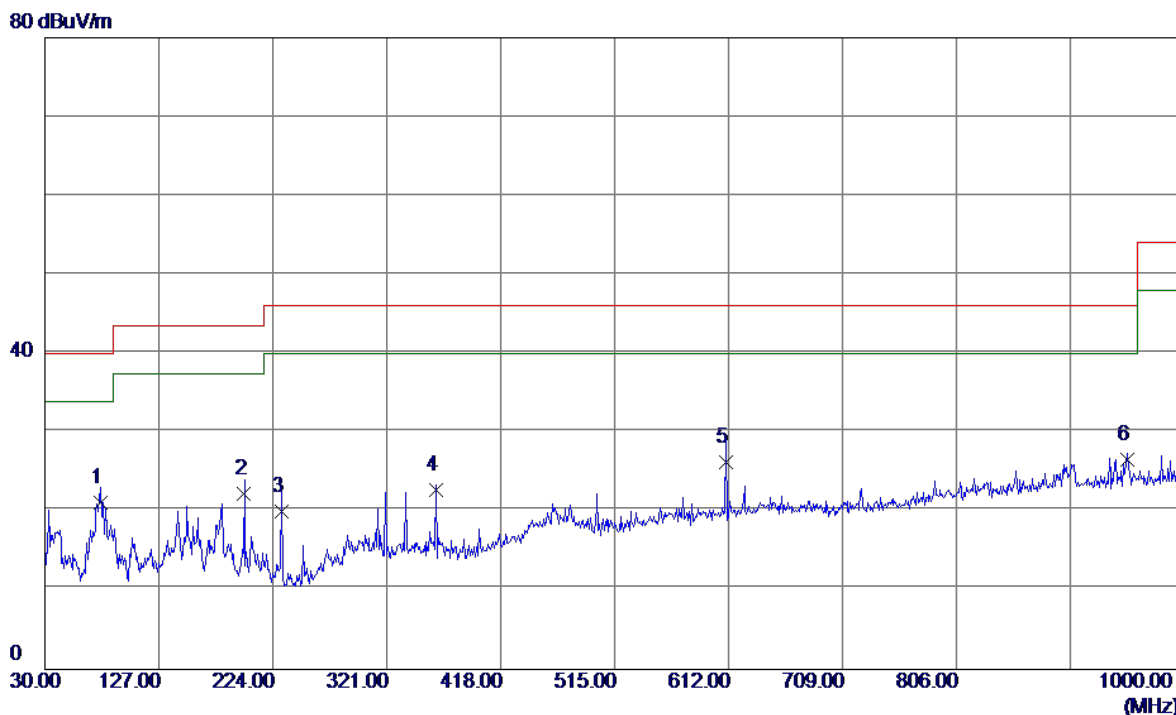
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	39.7000	45.61	-14.96	30.65	40.00	-9.35	QP	
2	77.5300	47.36	-16.02	31.34	40.00	-8.66	QP	
3	148.3400	42.05	-13.75	28.30	43.50	-15.20	QP	
4	518.8800	30.82	-8.86	21.96	46.00	-24.04	QP	
5	675.0500	29.38	-5.95	23.43	46.00	-22.57	QP	
6	935.9800	27.56	-2.12	25.44	46.00	-20.56	QP	

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

Horizontal

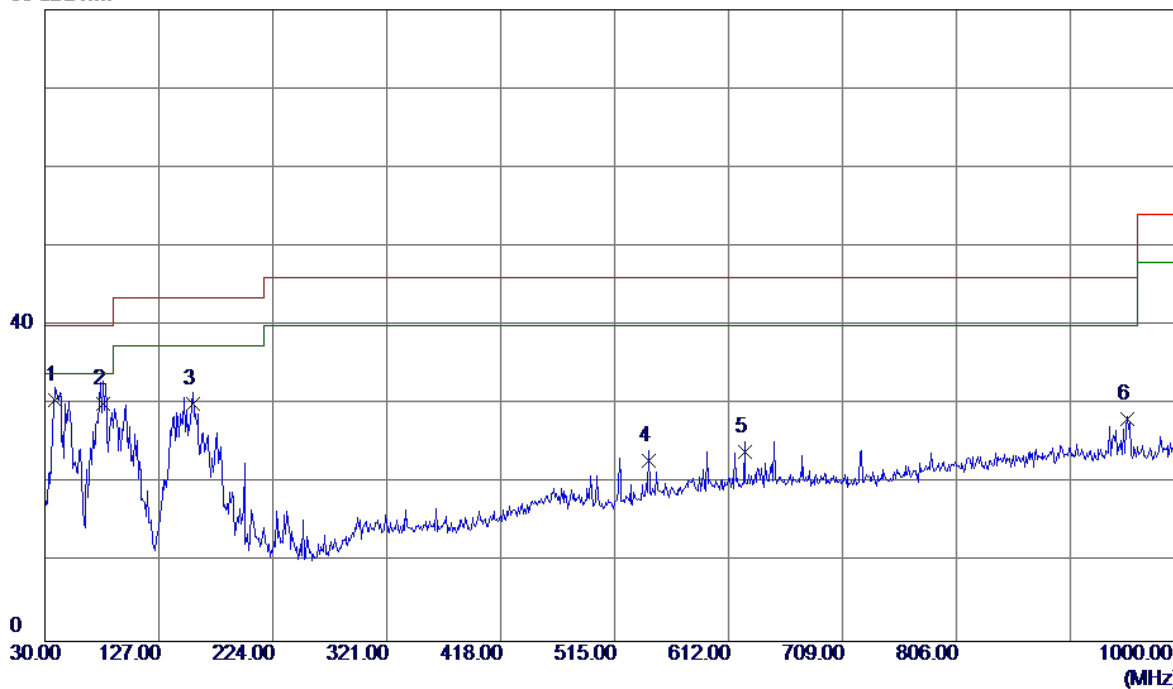


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	77.5300	37.11	-16.02	21.09	40.00	-18.91	QP	
2	199.7500	36.86	-14.64	22.22	43.50	-21.28	QP	
3	231.7600	35.22	-15.17	20.05	46.00	-25.95	QP	
4	362.7100	33.65	-10.91	22.74	46.00	-23.26	QP	
5	610.0600	32.83	-6.57	26.26	46.00	-19.74	QP	
6	951.5000	28.51	-1.97	26.54	46.00	-19.46	QP	

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

Vertical

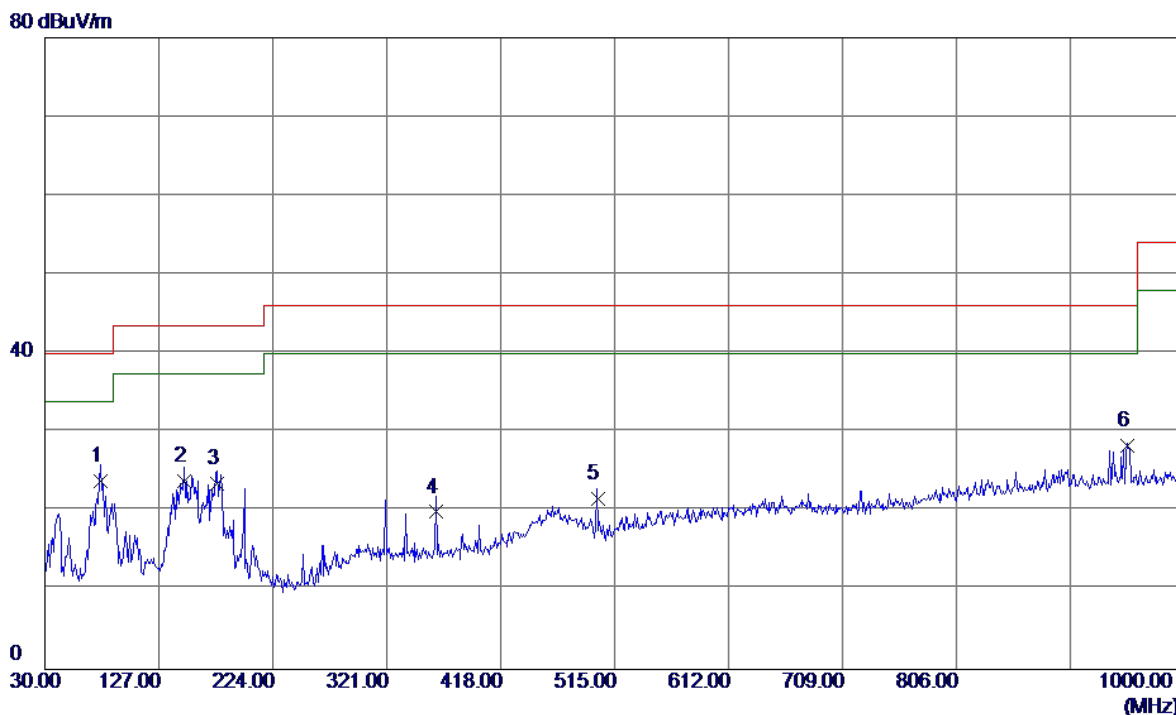
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	38.7300	45.48	-14.96	30.52	40.00	-9.48	QP	
2	79.4700	46.13	-16.00	30.13	40.00	-9.87	QP	
3	156.1000	43.75	-13.72	30.03	43.50	-13.47	QP	
4	544.1000	30.53	-7.63	22.90	46.00	-23.10	QP	
5	625.5800	30.20	-6.27	23.93	46.00	-22.07	QP	
6	951.5000	30.12	-1.97	28.15	46.00	-17.85	QP	

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

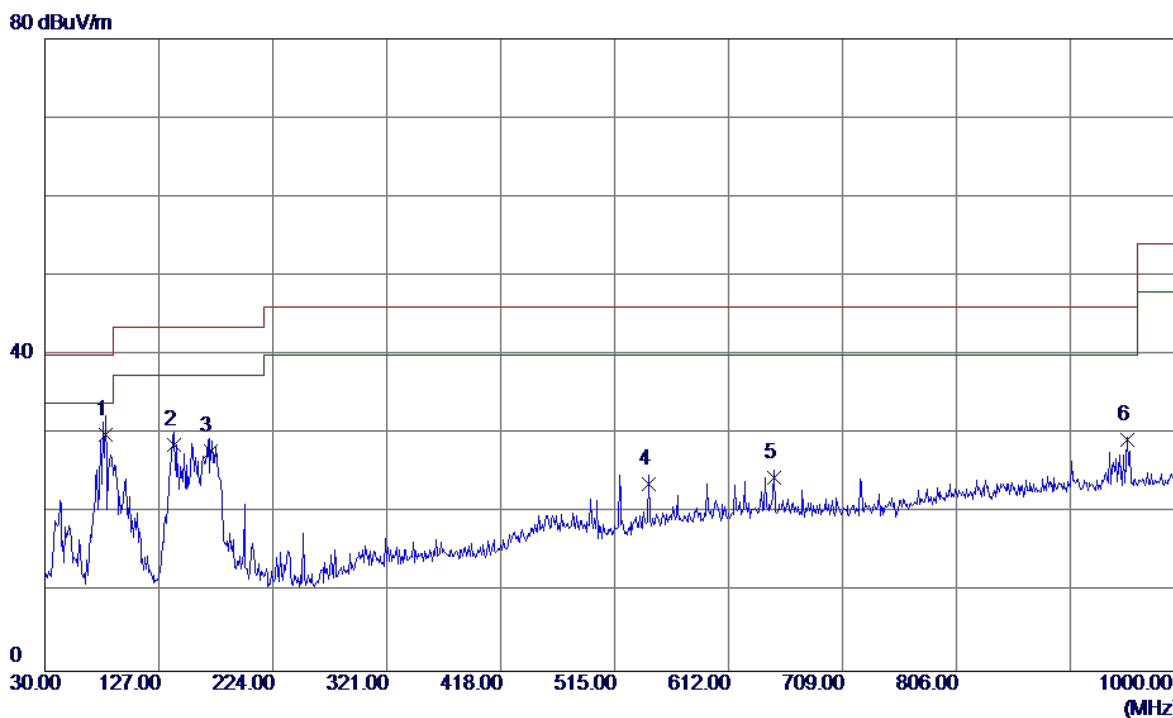
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	77.5300	39.90	-16.02	23.88	40.00	-16.12	QP	
2	148.3400	37.60	-13.75	23.85	43.50	-19.65	QP	
3	176.4700	36.34	-12.79	23.55	43.50	-19.95	QP	
4	362.7100	30.83	-10.91	19.92	46.00	-26.08	QP	
5	500.4500	31.37	-9.77	21.60	46.00	-24.40	QP	
6	951.5000	30.23	-1.97	28.26	46.00	-17.74	QP	

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

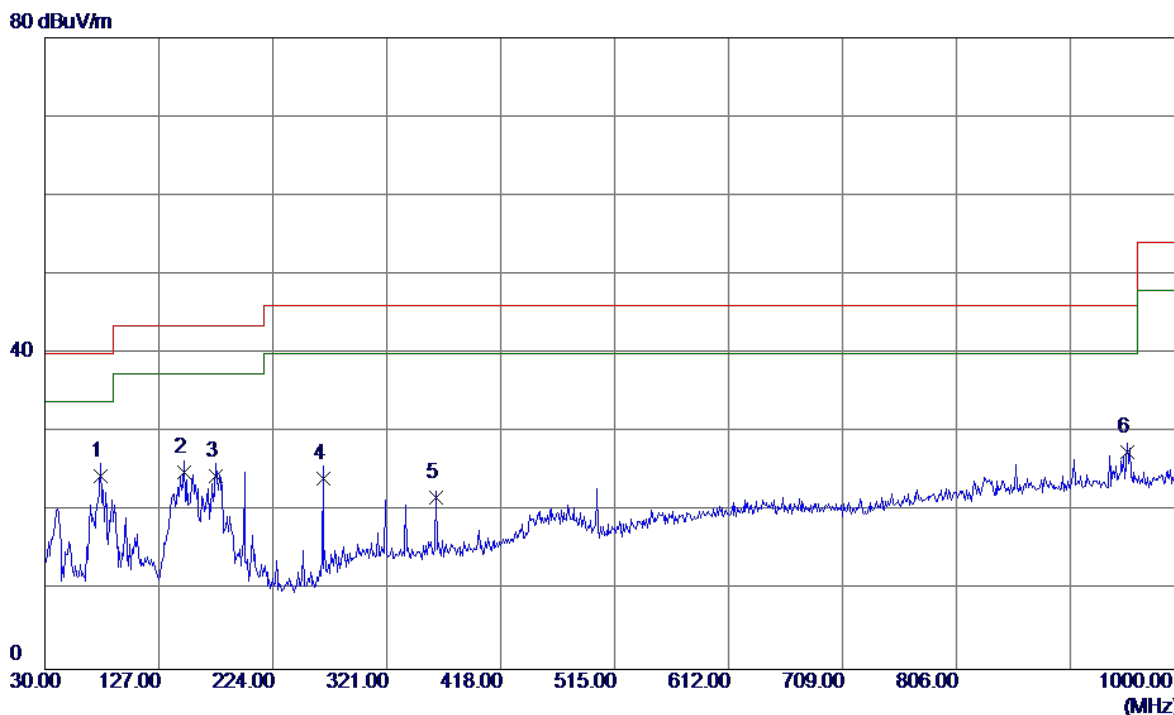
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	81.4100	46.07	-16.13	29.94	40.00	-10.06	QP	
2	139.6100	42.55	-13.97	28.58	43.50	-14.92	QP	
3	170.6500	40.75	-12.87	27.88	43.50	-15.62	QP	
4	544.1000	31.29	-7.63	23.66	46.00	-22.34	QP	
5	650.8000	30.27	-5.81	24.46	46.00	-21.54	QP	
6	951.5000	31.19	-1.97	29.22	46.00	-16.78	QP	

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

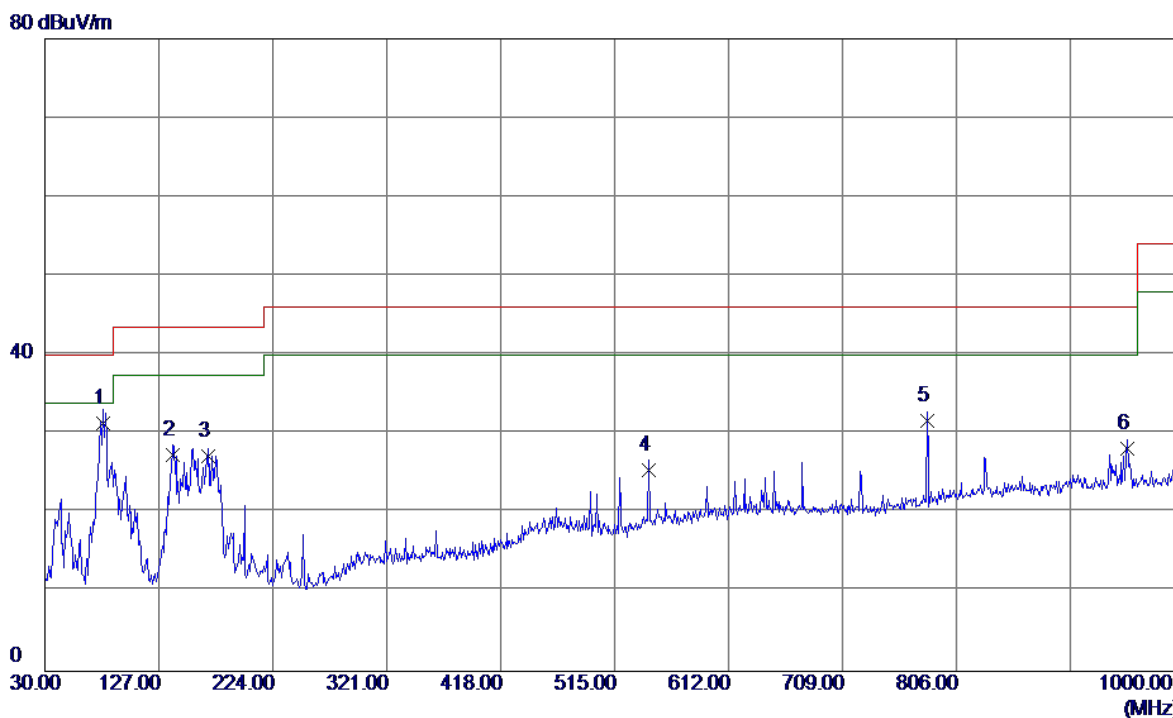
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	77.5300	40.53	-16.02	24.51	40.00	-15.49	QP	
2	148.3400	38.78	-13.75	25.03	43.50	-18.47	QP	
3	175.5000	37.34	-12.80	24.54	43.50	-18.96	QP	
4	266.6800	38.29	-14.19	24.10	46.00	-21.90	QP	
5	362.7100	32.60	-10.91	21.69	46.00	-24.31	QP	
6	951.5000	29.54	-1.97	27.57	46.00	-18.43	QP	

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

Vertical

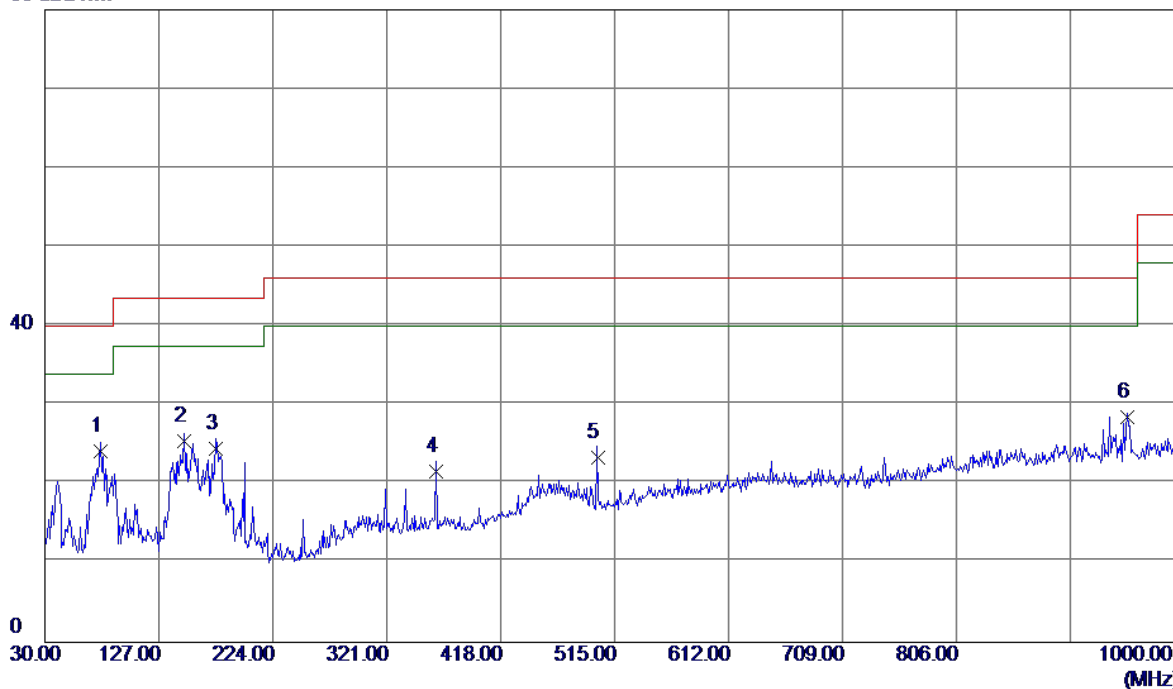


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	79.4700	47.32	-16.00	31.32	40.00	-8.68	QP	
2	138.6400	41.34	-13.94	27.40	43.50	-16.10	QP	
3	168.7100	40.18	-12.99	27.19	43.50	-16.31	QP	
4	544.1000	33.09	-7.63	25.46	46.00	-20.54	QP	
5	780.7800	36.23	-4.56	31.67	46.00	-14.33	QP	
6	951.5000	30.19	-1.97	28.22	46.00	-17.78	QP	

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

Horizontal

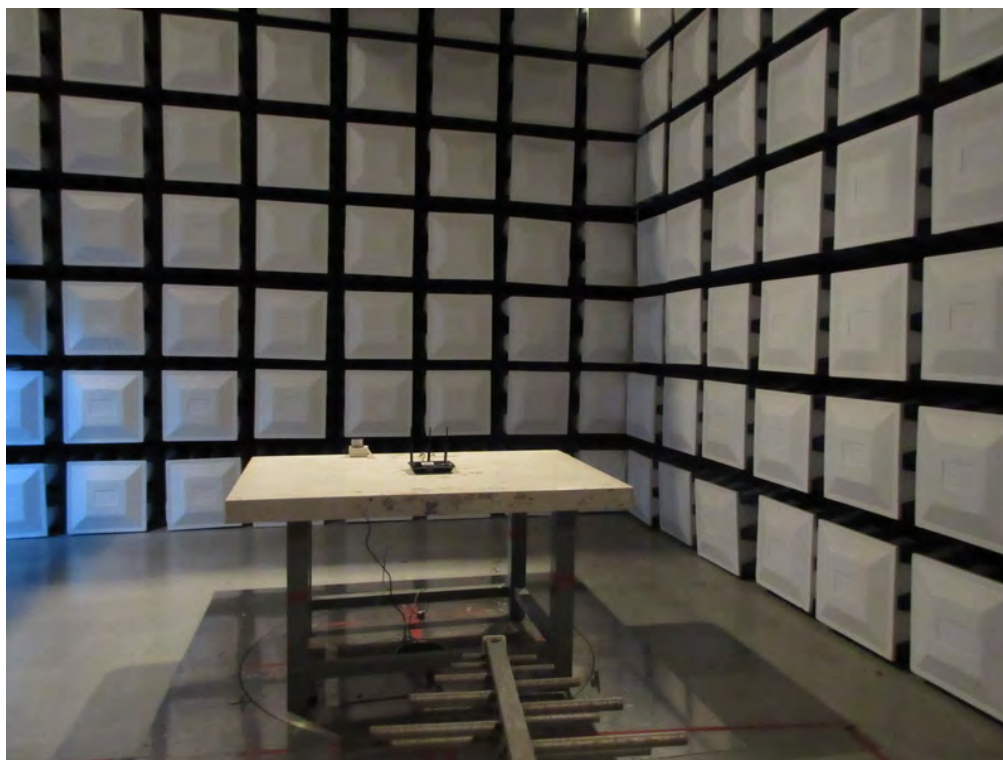
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	77.5300	40.18	-16.02	24.16	40.00	-15.84	QP	
2	148.3400	39.21	-13.75	25.46	43.50	-18.04	QP	
3	175.5000	37.22	-12.80	24.42	43.50	-19.08	QP	
4	362.7100	32.55	-10.91	21.64	46.00	-24.36	QP	
5	500.4500	33.12	-9.77	23.35	46.00	-22.65	QP	
6	951.5000	30.40	-1.97	28.43	46.00	-17.57	QP	

Radiated Measurement Photos

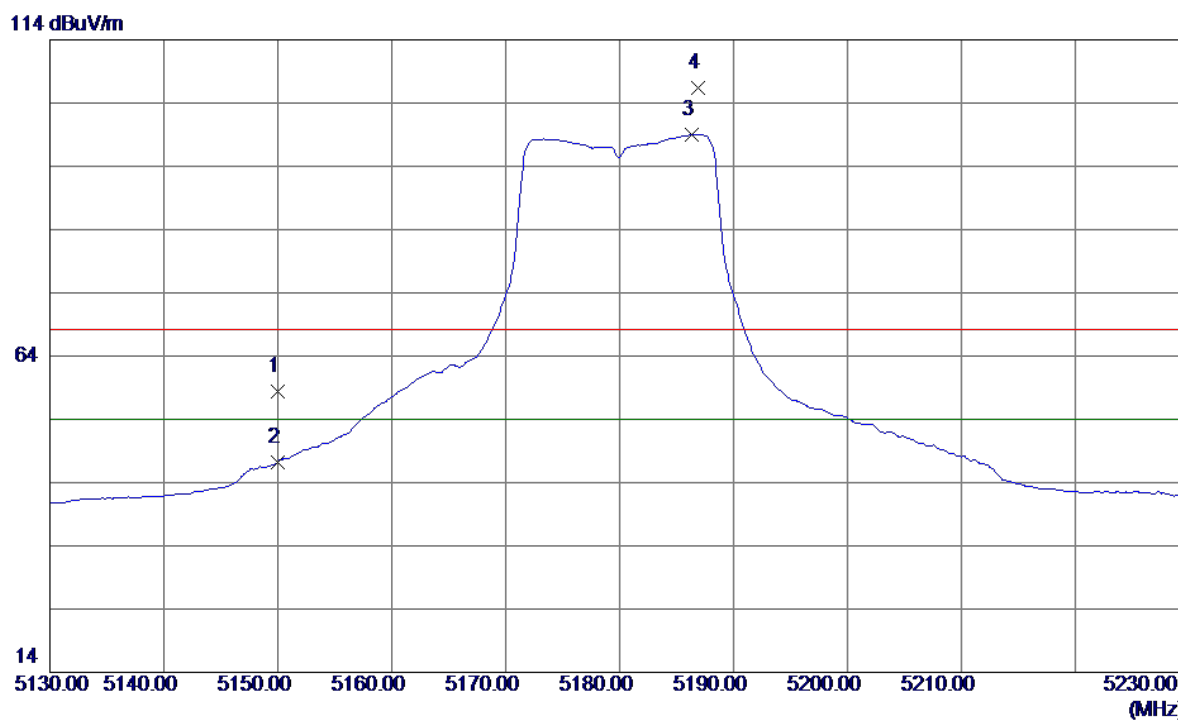
30MHz to 1000MHz



ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

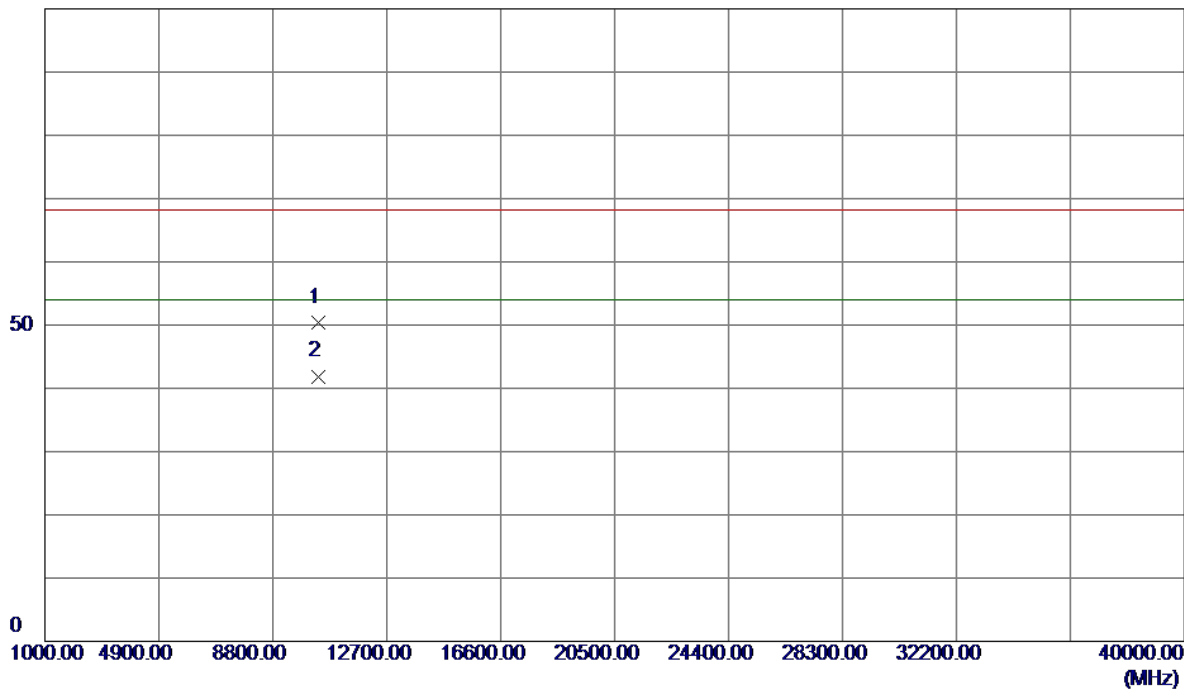


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	18.09	40.22	58.31	68.30	-9.99	Peak	
2	5150.0000	7.03	40.22	47.25	54.00	-6.75	AVG	
3	5186.3000	58.66	40.29	98.95	54.00	44.95	AVG	NO limit
4	5186.9000	66.14	40.30	106.44	68.30	38.14	Peak	NO limit

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

Vertical

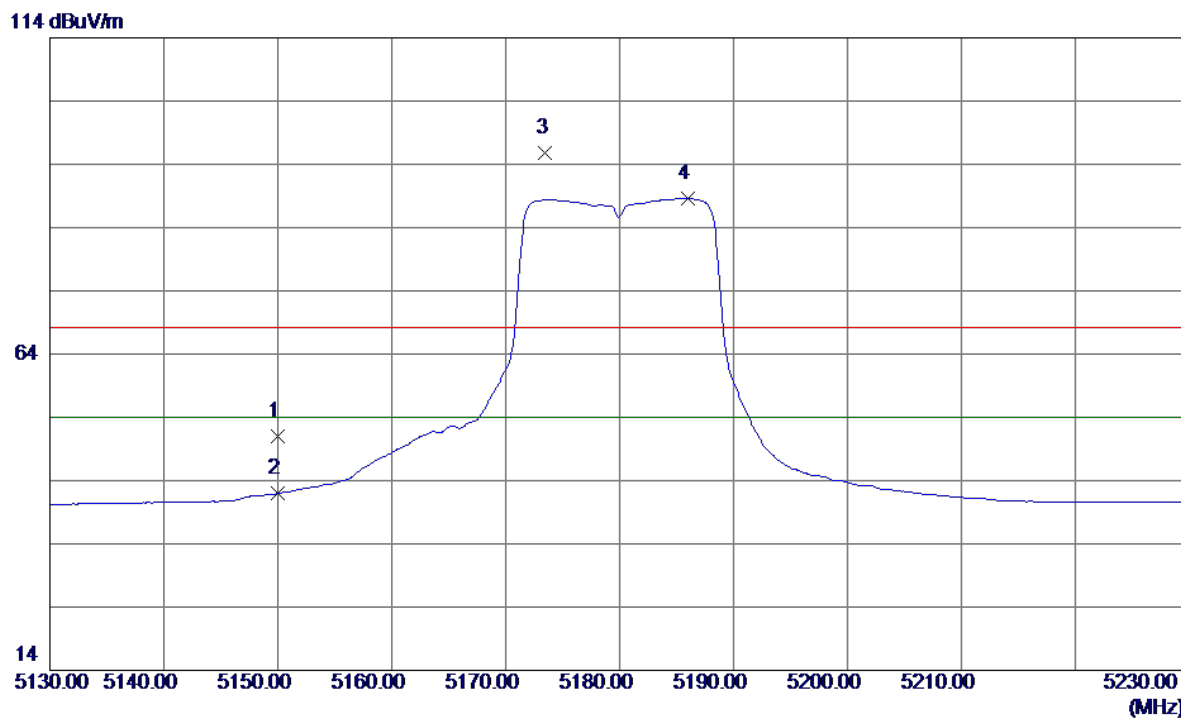
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10359.8500	36.62	13.86	50.48	68.30	-17.82	Peak	
2	10359.8700	28.04	13.86	41.90	54.00	-12.10	AVG	

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

Horizontal

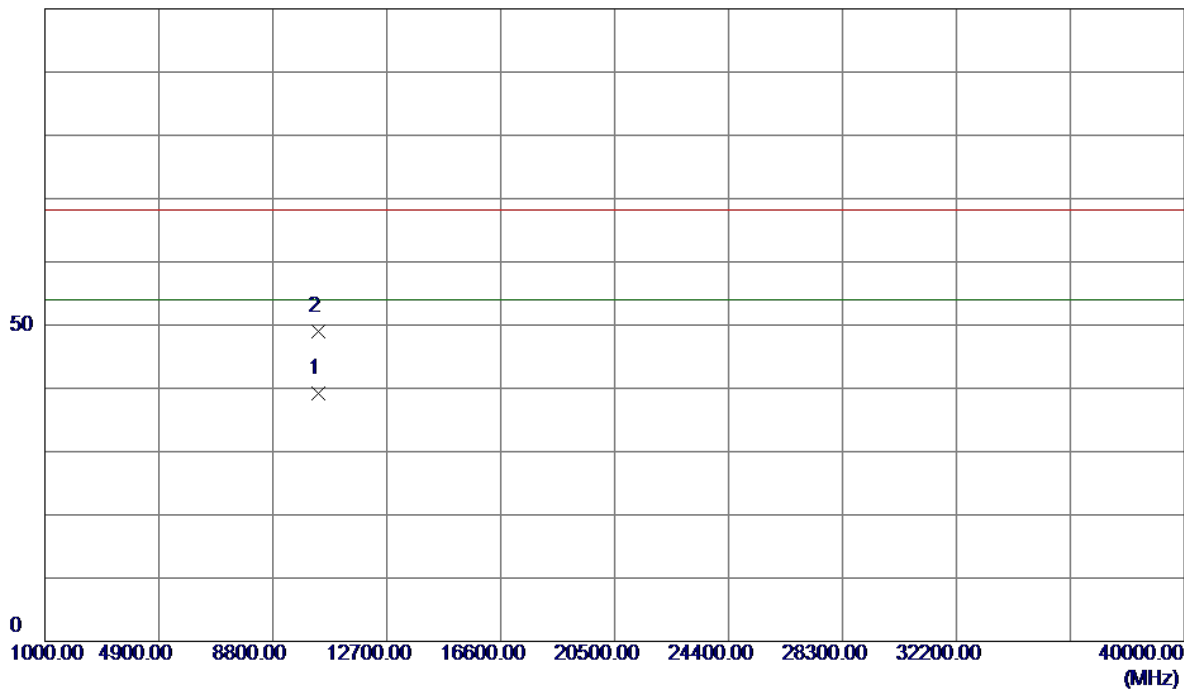


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	10.77	40.22	50.99	68.30	-17.31	Peak	
2	5150.0000	1.80	40.22	42.02	54.00	-11.98	AVG	
3	5173.5000	55.48	40.27	95.75	68.30	27.45	Peak	NO limit
4	5186.0000	48.32	40.29	88.61	54.00	34.61	AVG	NO limit

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

Horizontal

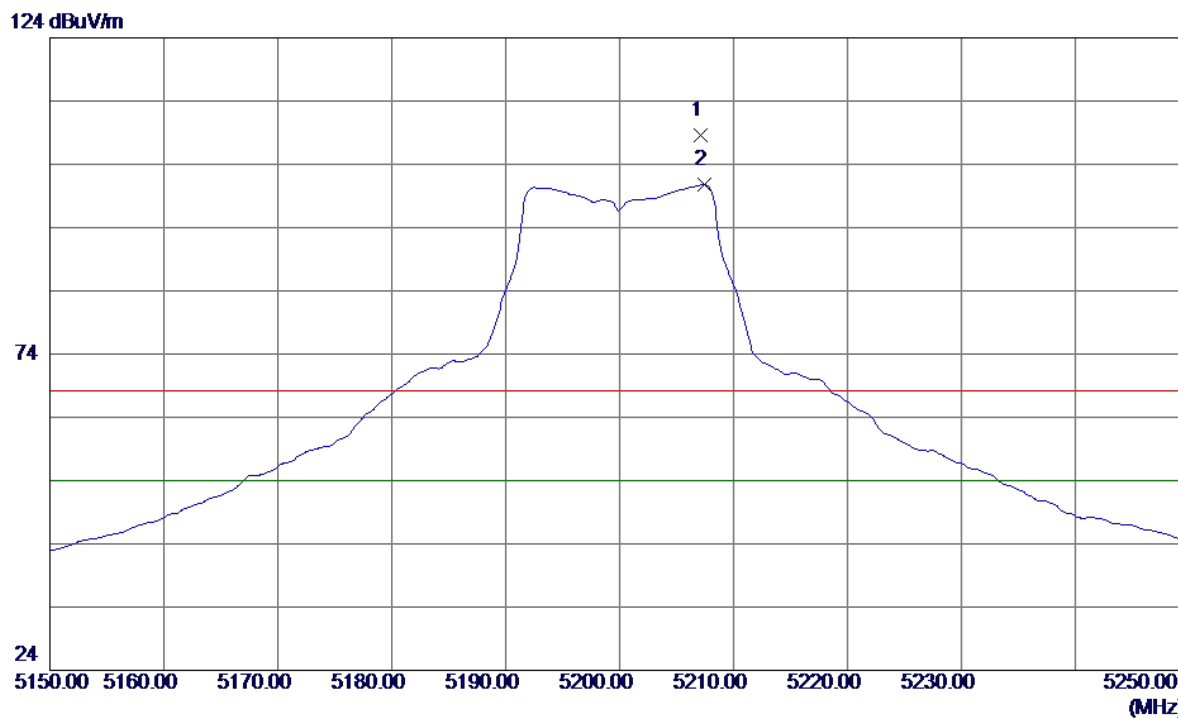
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10359.8800	25.31	13.86	39.17	54.00	-14.83	AVG	
2	10359.9700	35.09	13.86	48.95	68.30	-19.35	Peak	

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

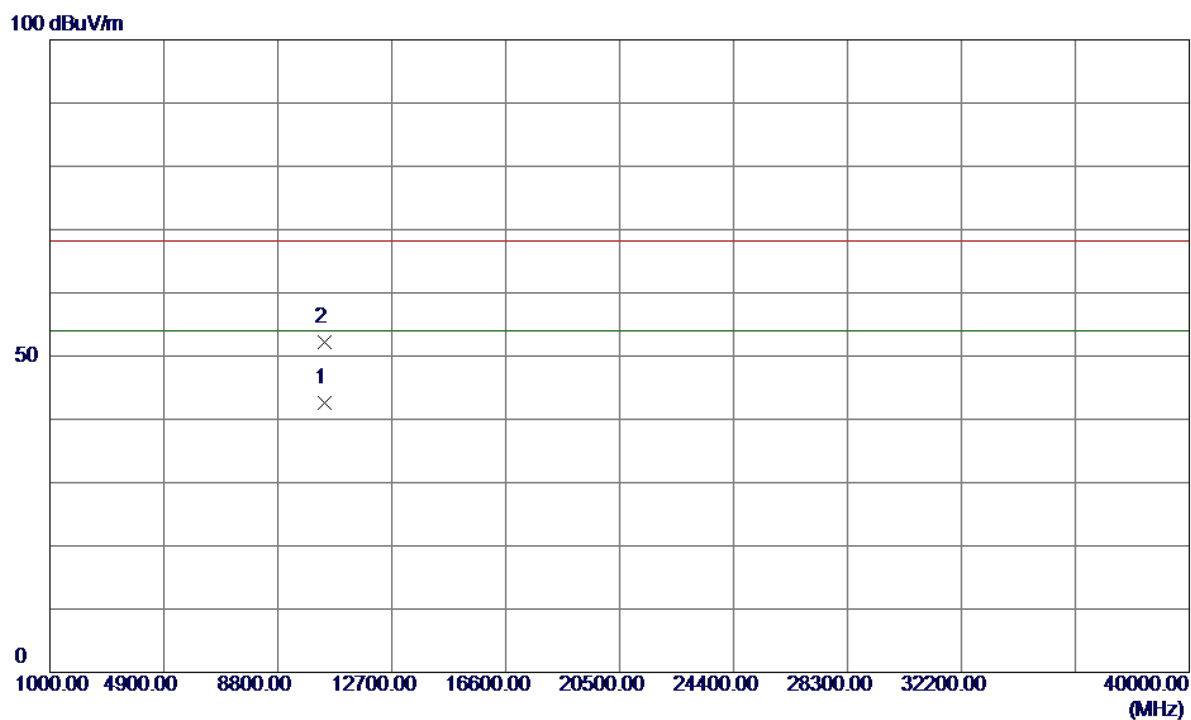
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5207.1000	68.21	40.34	108.55	68.30	40.25	Peak	NO limit
2	5207.4000	60.44	40.34	100.78	54.00	46.78	AVG	NO limit

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

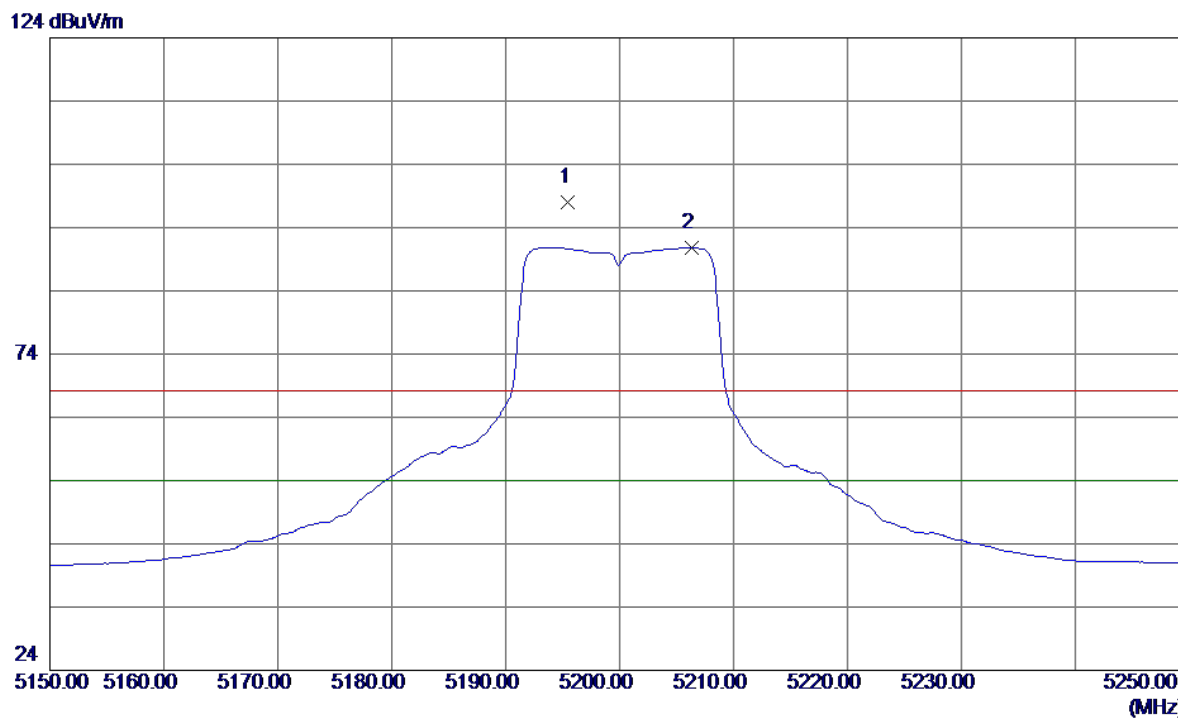
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10399.8500	28.87	13.80	42.67	54.00	-11.33	AVG	
2	10400.2800	38.40	13.80	52.20	68.30	-16.10	Peak	

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

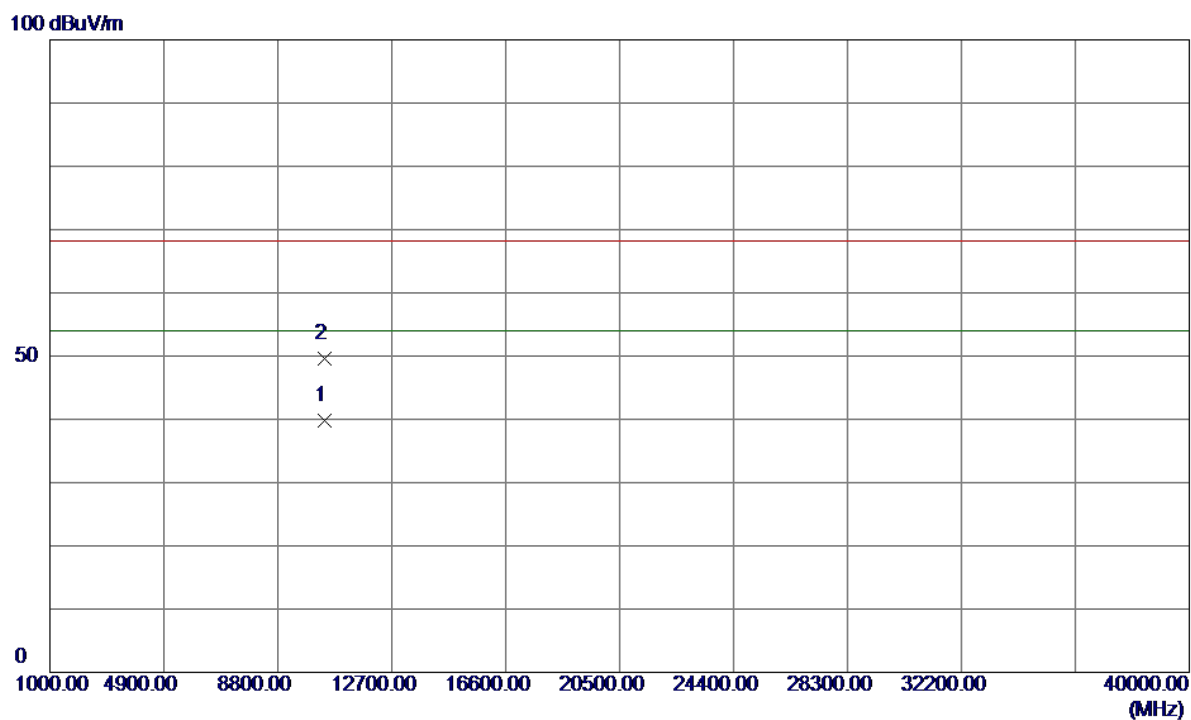
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5195.5000	57.64	40.31	97.95	68.30	29.65	Peak	NO limit
2	5206.3000	50.49	40.34	90.83	54.00	36.83	AVG	NO limit

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

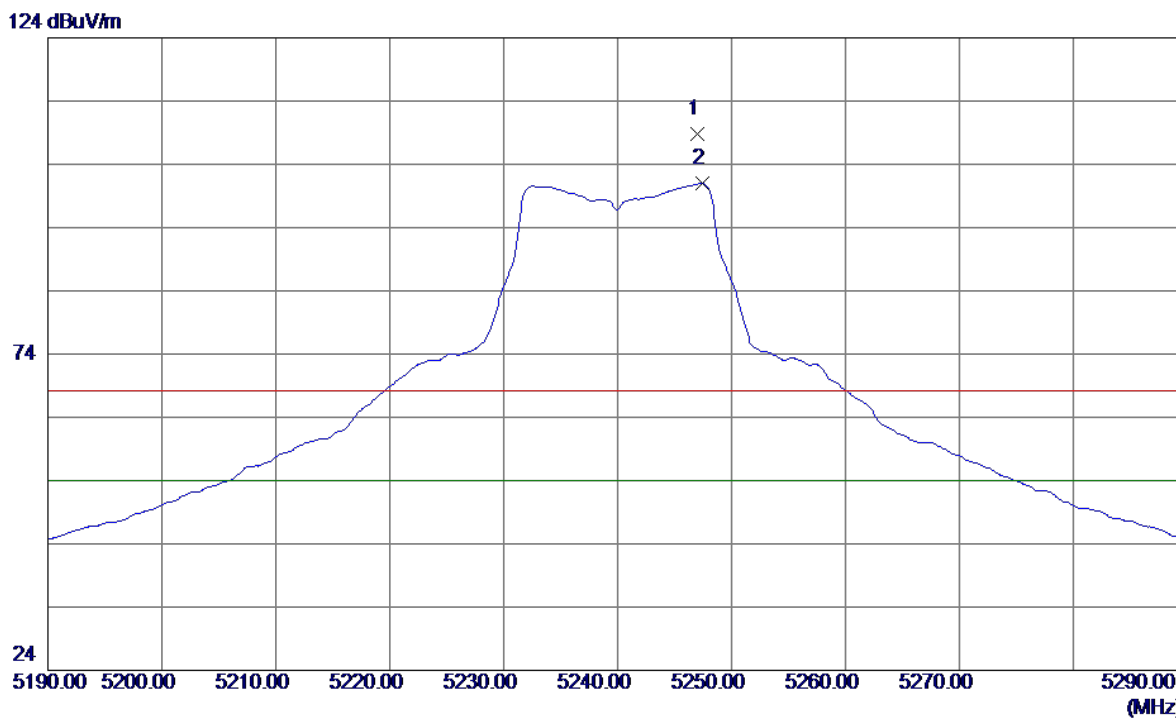
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10399.9300	25.91	13.80	39.71	54.00	-14.29	AVG	
2	10400.0400	35.75	13.80	49.55	68.30	-18.75	Peak	

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

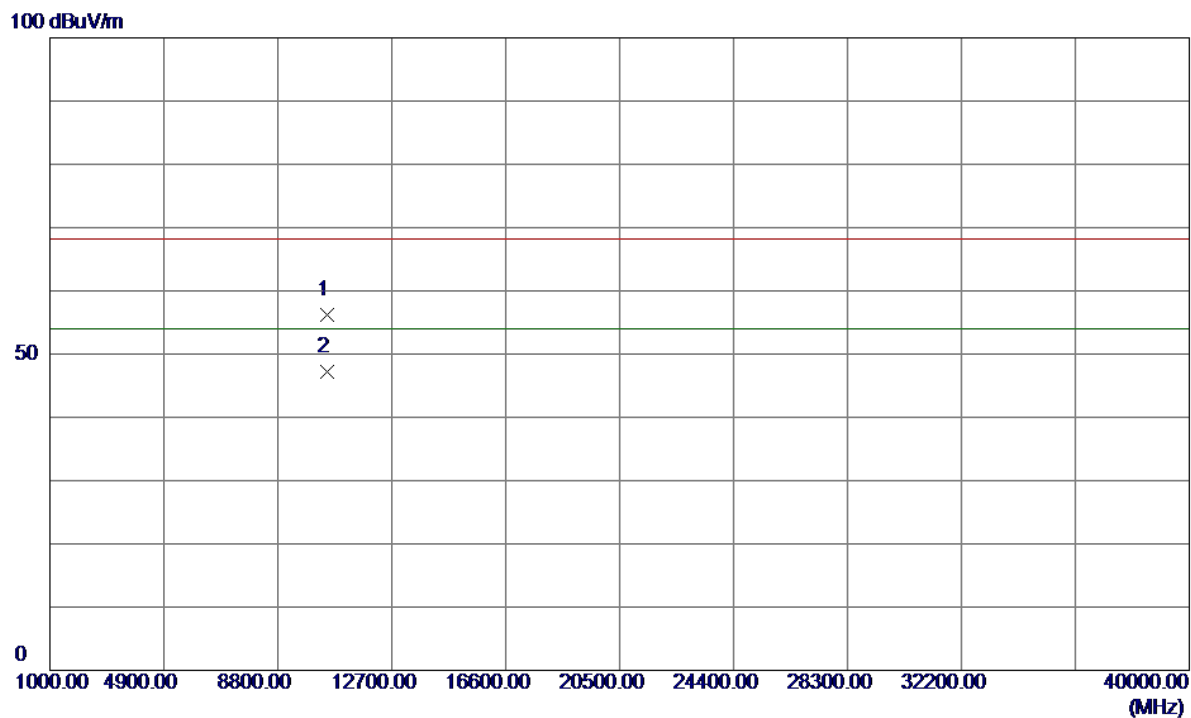
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5247.0000	68.29	40.42	108.71	68.30	40.41	Peak	NO limit
2	5247.4000	60.54	40.42	100.96	54.00	46.96	AVG	NO limit

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

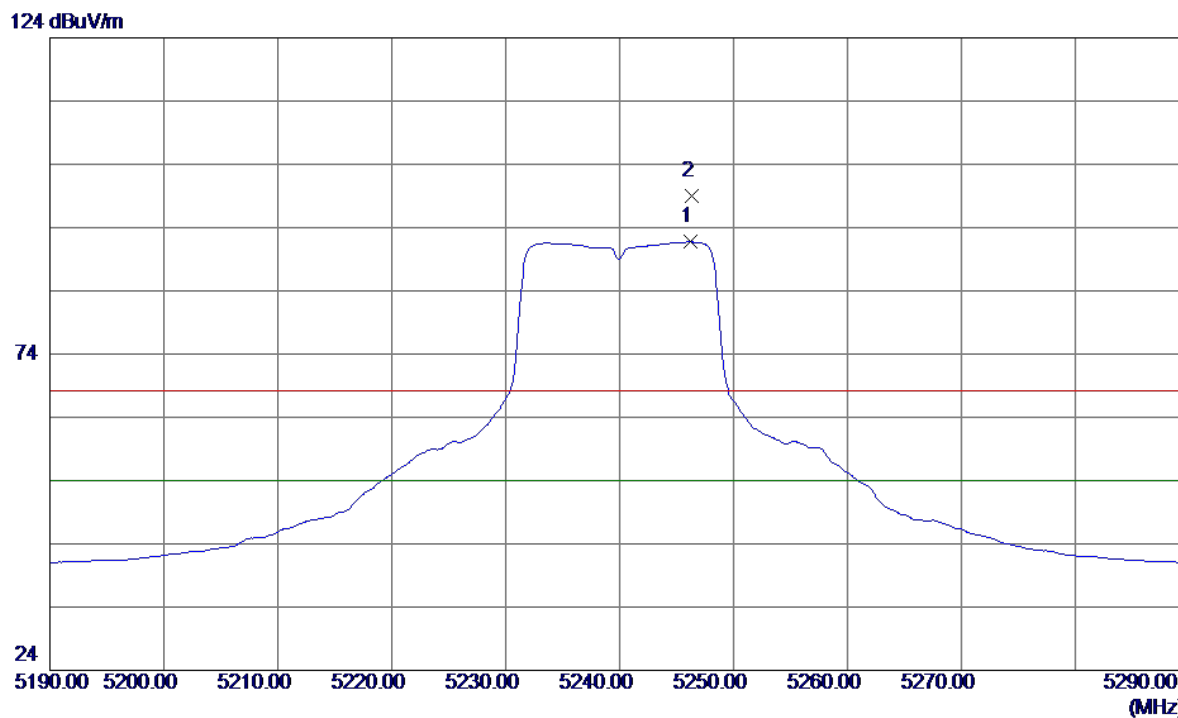
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10479.7800	42.60	13.69	56.29	68.30	-12.01	Peak	
2	10479.9000	33.59	13.69	47.28	54.00	-6.72	AVG	

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

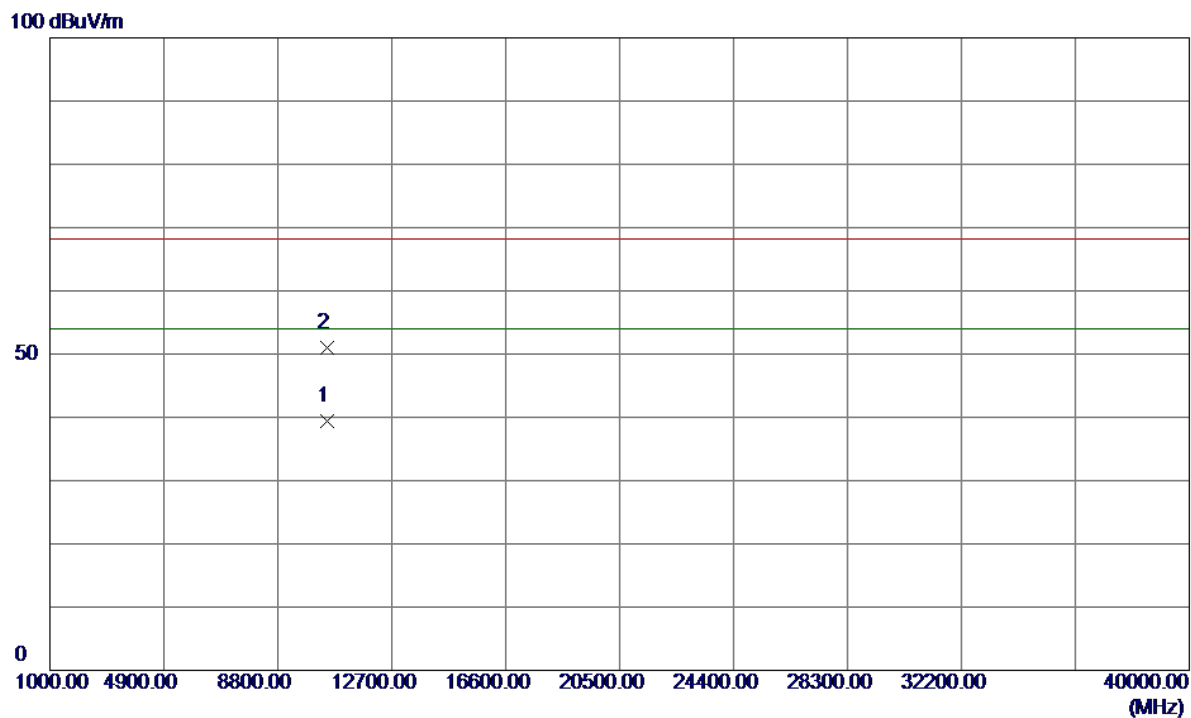
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5246.2000	51.31	40.42	91.73	54.00	37.73	AVG	NO limit
2	5246.3000	58.61	40.42	99.03	68.30	30.73	Peak	NO limit

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

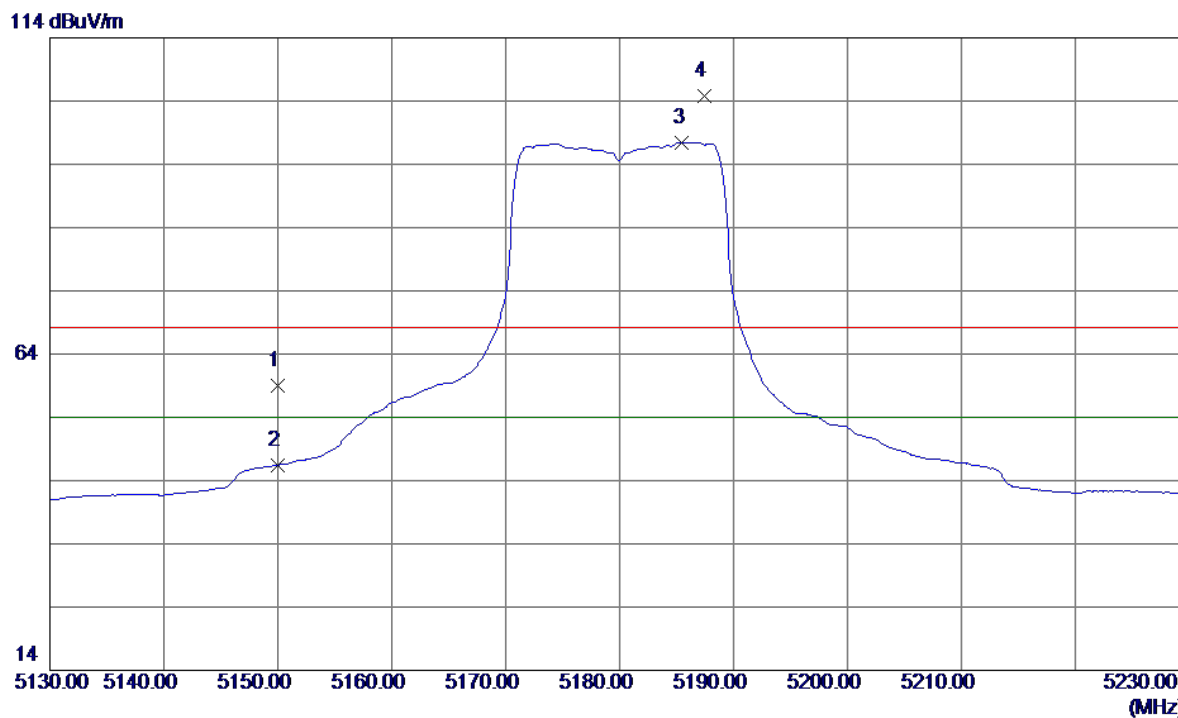
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10479.9300	25.73	13.69	39.42	54.00	-14.58	AVG	
2	10479.9700	37.34	13.69	51.03	68.30	-17.27	Peak	

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

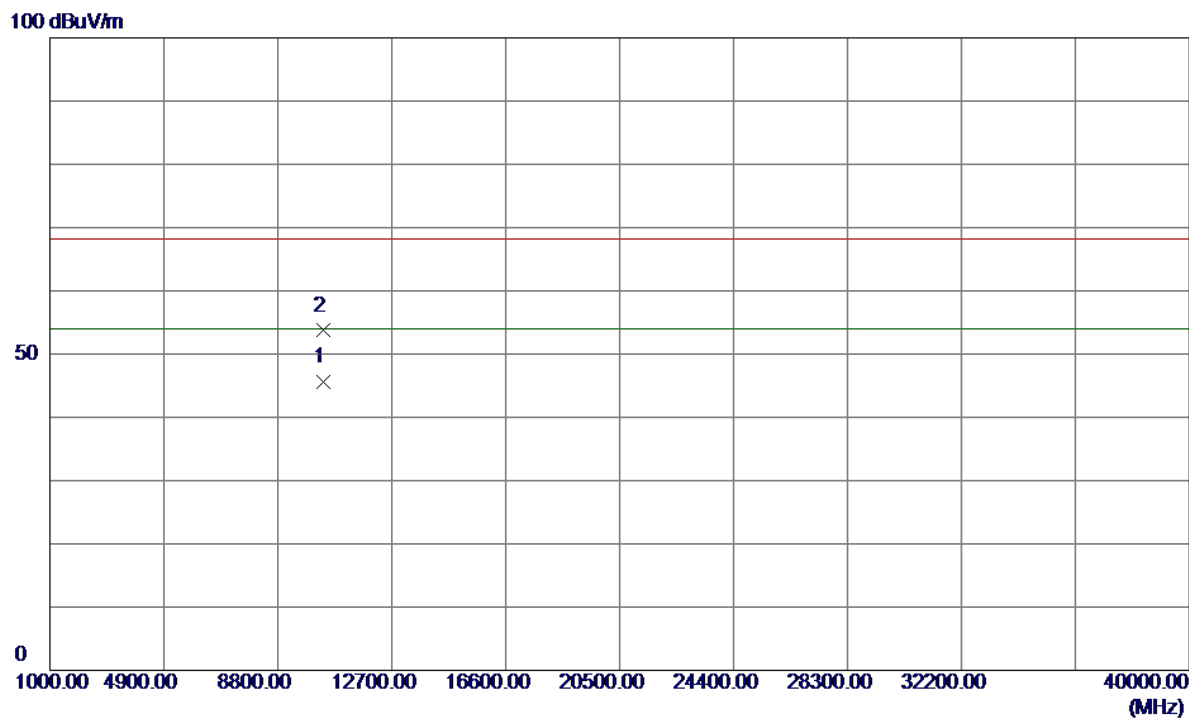
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	18.69	40.22	58.91	68.30	-9.39	Peak	
2	5150.0000	6.18	40.22	46.40	54.00	-7.60	AVG	
3	5185.5000	57.18	40.29	97.47	54.00	43.47	AVG	NO limit
4	5187.4000	64.54	40.30	104.84	68.30	36.54	Peak	NO limit

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

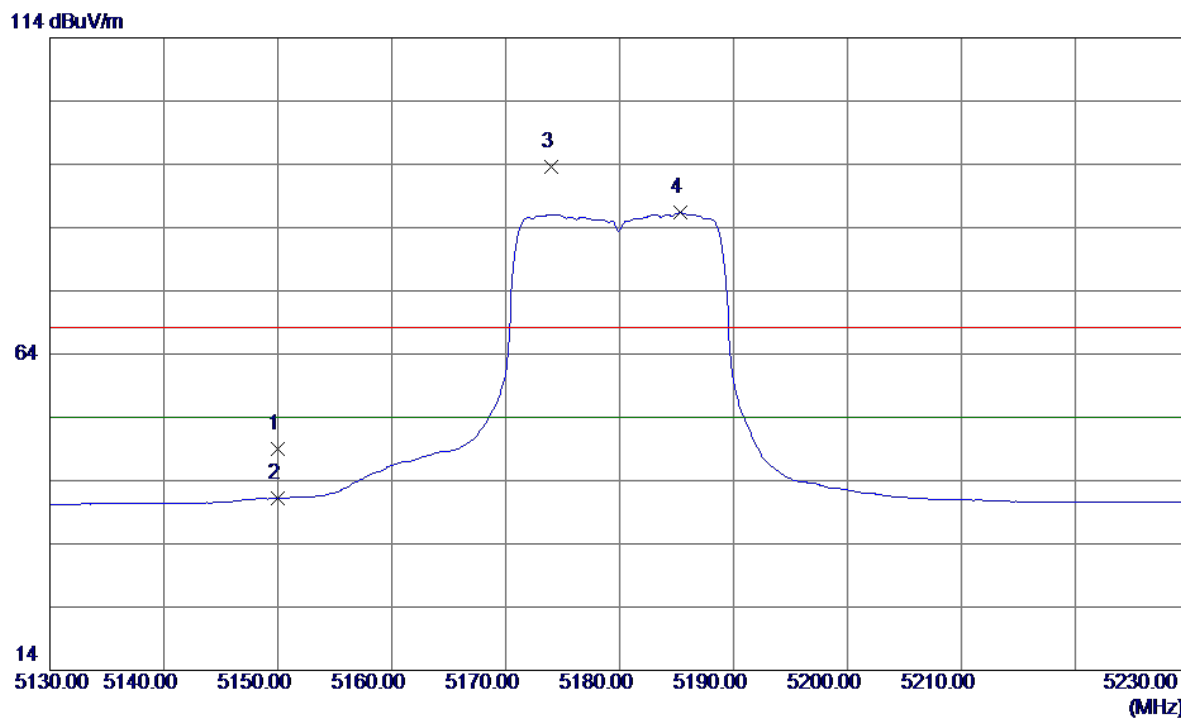
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10359.8600	31.65	13.86	45.51	54.00	-8.49	AVG	
2	10359.9400	39.84	13.86	53.70	68.30	-14.60	Peak	

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

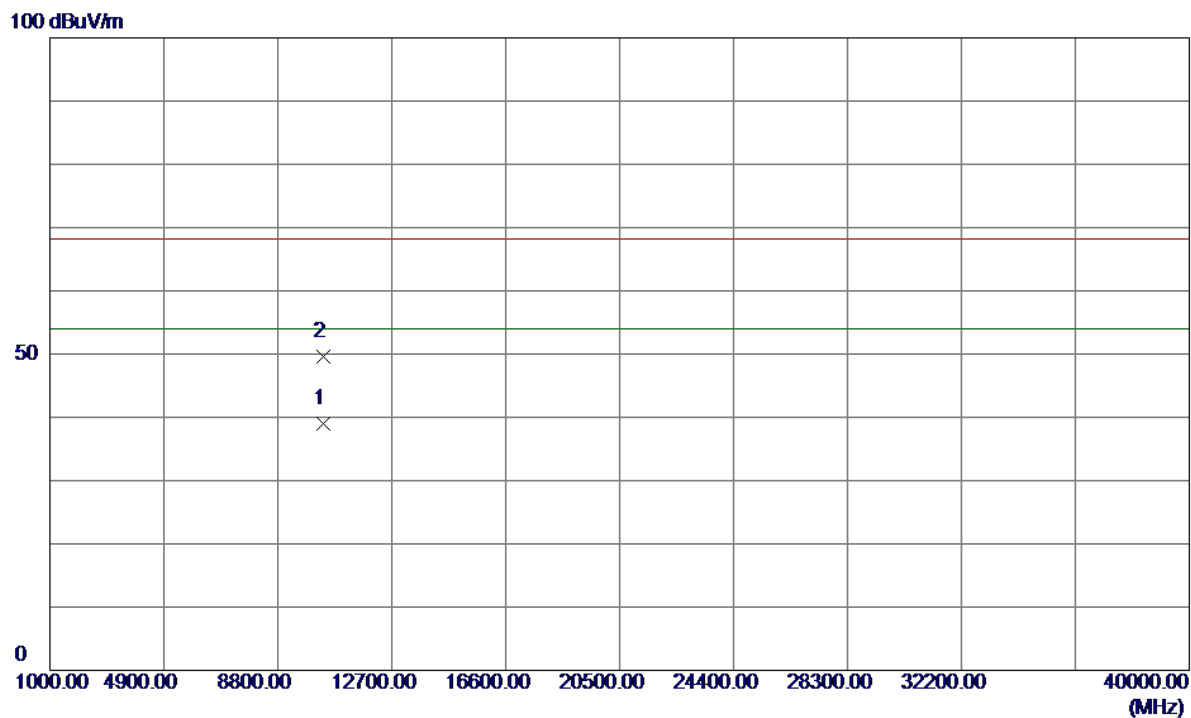
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	8.75	40.22	48.97	68.30	-19.33	Peak	
2	5150.0000	0.95	40.22	41.17	54.00	-12.83	AVG	
3	5174.0000	53.36	40.27	93.63	68.30	25.33	Peak	NO limit
4	5185.3000	46.02	40.29	86.31	54.00	32.31	AVG	NO limit

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

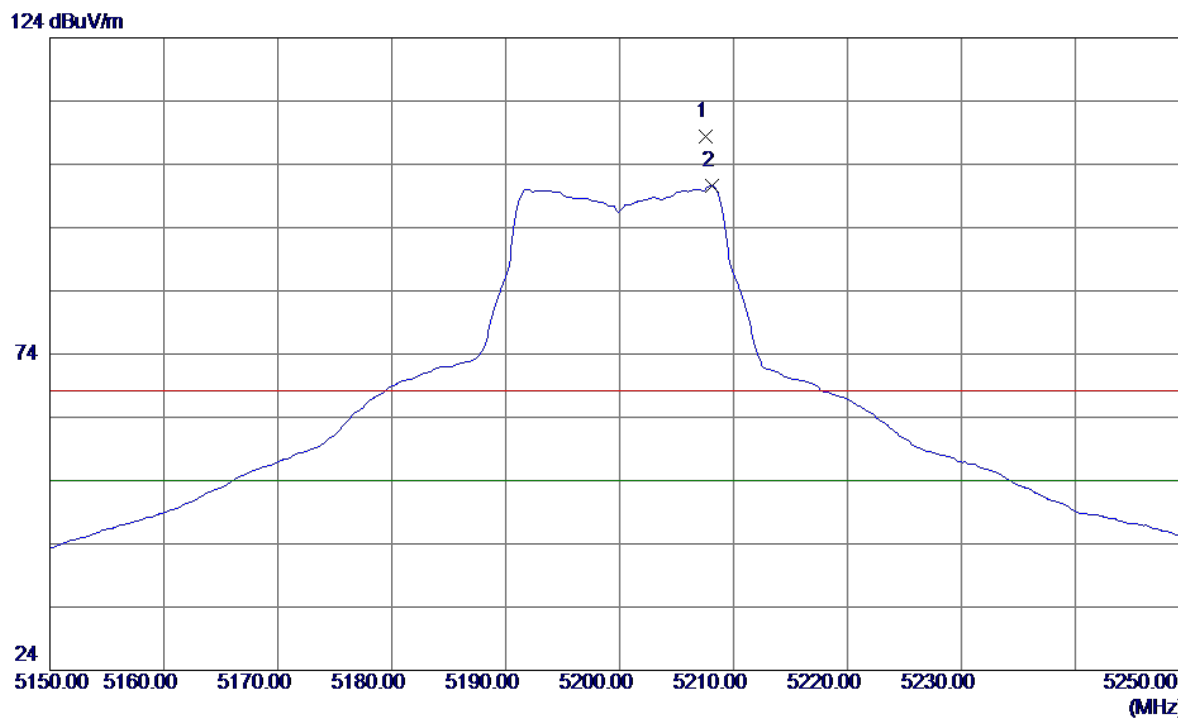
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10359.8099	25.19	13.86	39.05	54.00	-14.95	AVG	
2	10360.1100	35.74	13.86	49.60	68.30	-18.70	Peak	

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

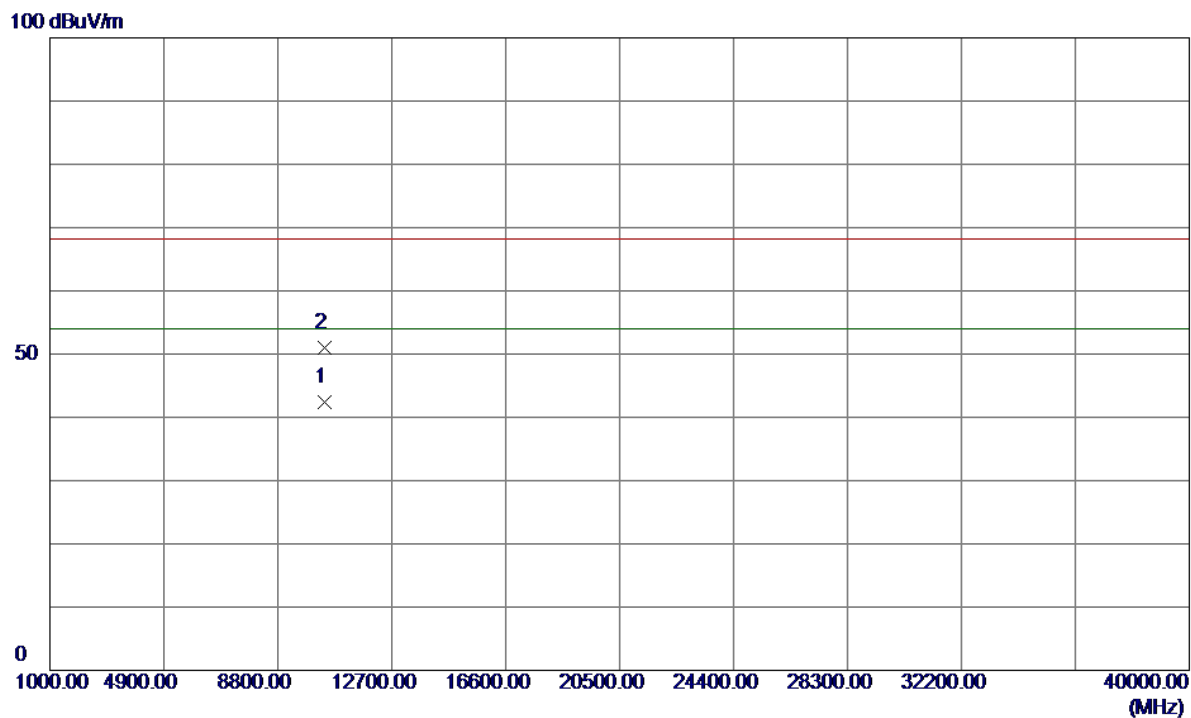
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5207.6000	68.14	40.34	108.48	68.30	40.18	Peak	NO limit
2	5208.1000	60.20	40.34	100.54	54.00	46.54	AVG	NO limit

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

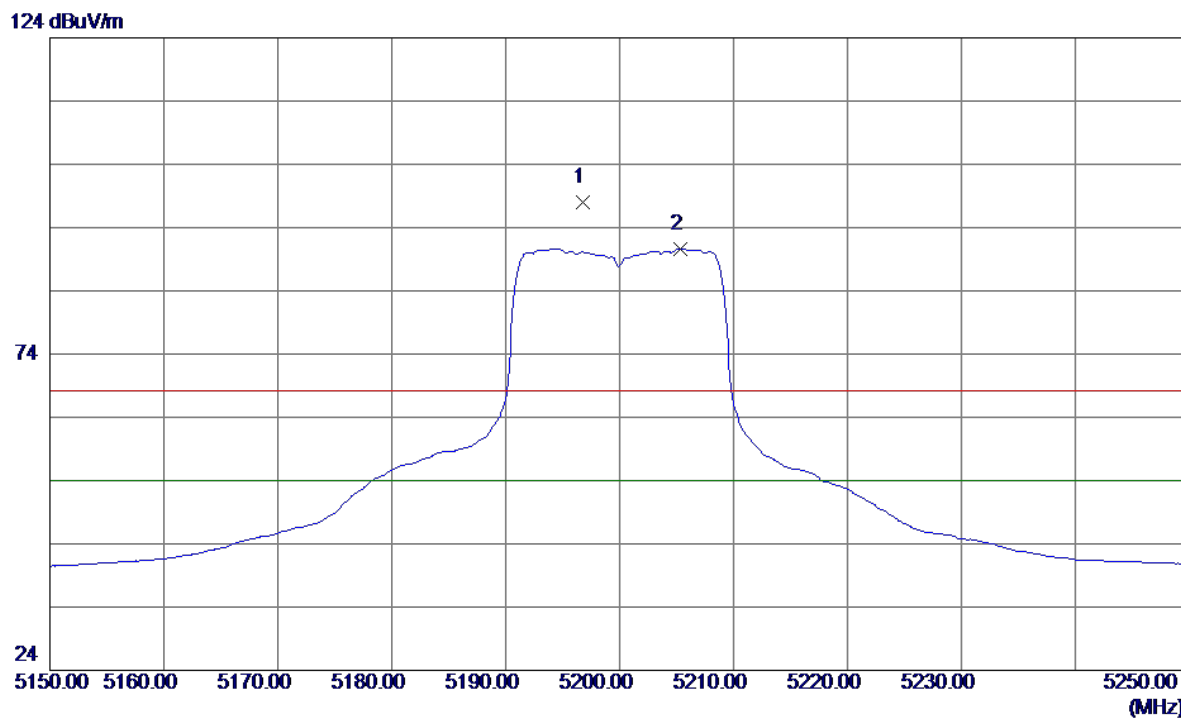
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10399.8700	28.66	13.80	42.46	54.00	-11.54	AVG	
2	10400.0300	37.28	13.80	51.08	68.30	-17.22	Peak	

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

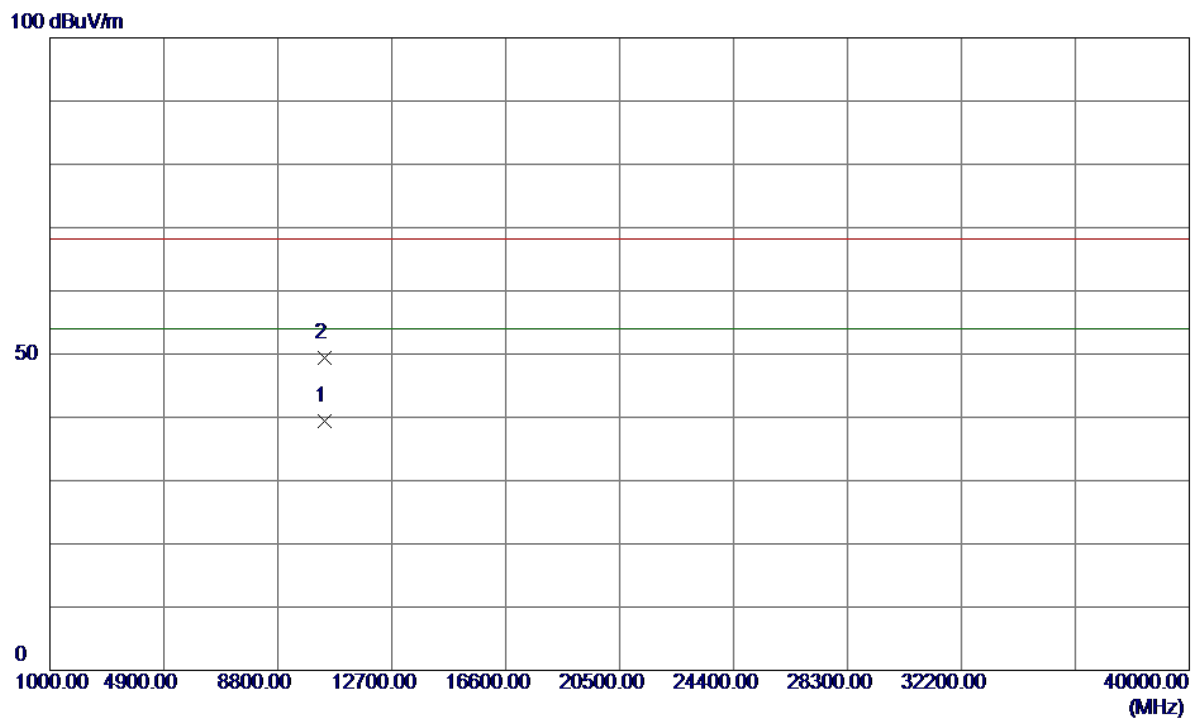
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5196.8000	57.64	40.32	97.96	68.30	29.66	Peak	NO limit
2	5205.3000	50.32	40.34	90.66	54.00	36.66	AVG	NO limit

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

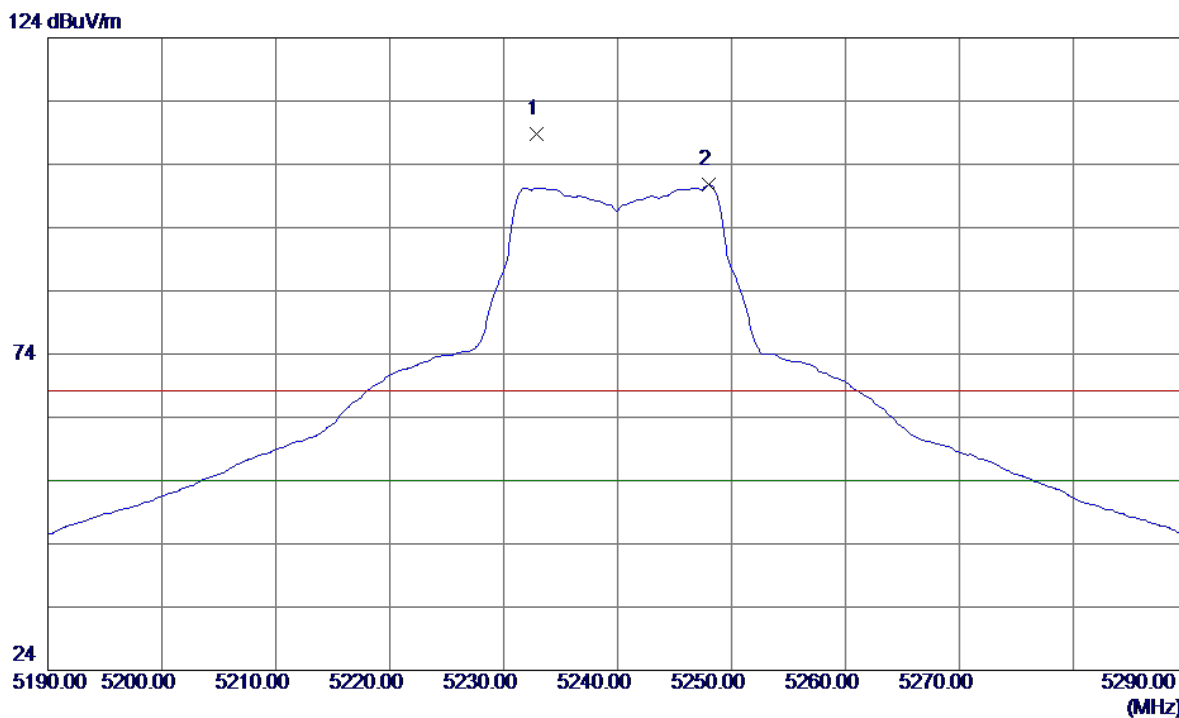
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10399.9000	25.66	13.80	39.46	54.00	-14.54	AVG	
2	10400.0300	35.58	13.80	49.38	68.30	-18.92	Peak	

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

Vertical

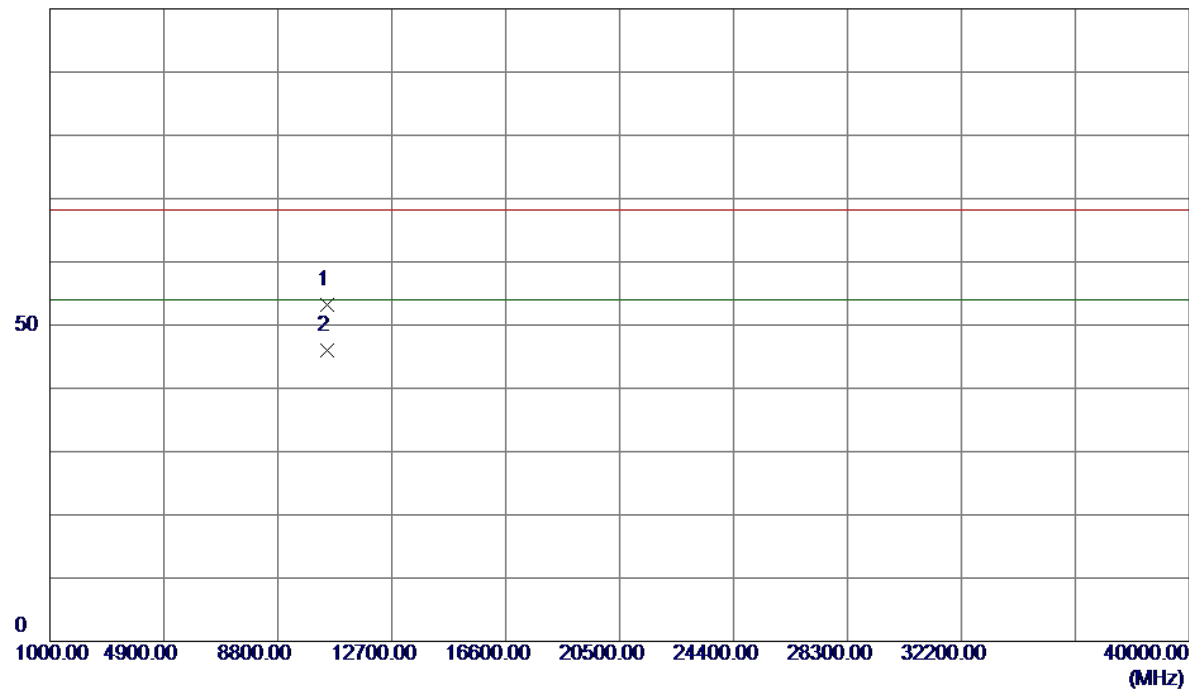


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5232.9000	68.44	40.39	108.83	68.30	40.53	Peak	NO limit
2	5248.0000	60.28	40.43	100.71	54.00	46.71	AVG	NO limit

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

Vertical

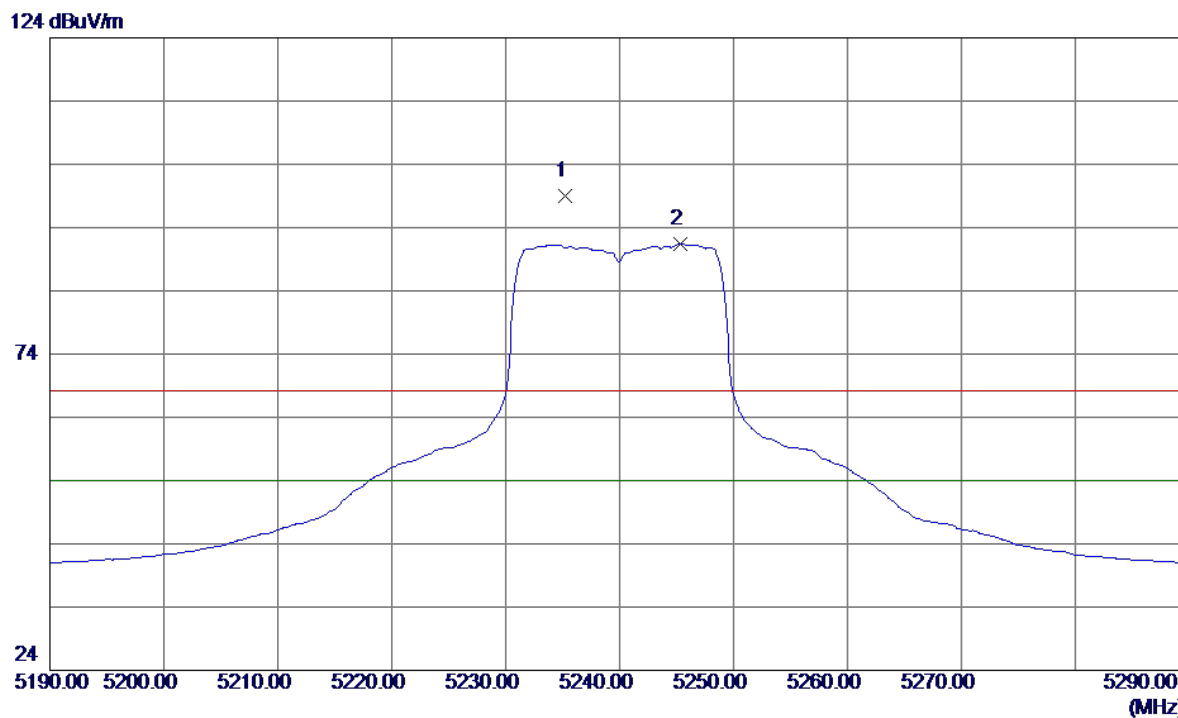
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10479.7400	39.45	13.69	53.14	68.30	-15.16	Peak	
2	10479.8800	32.35	13.69	46.04	54.00	-7.96	AVG	

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

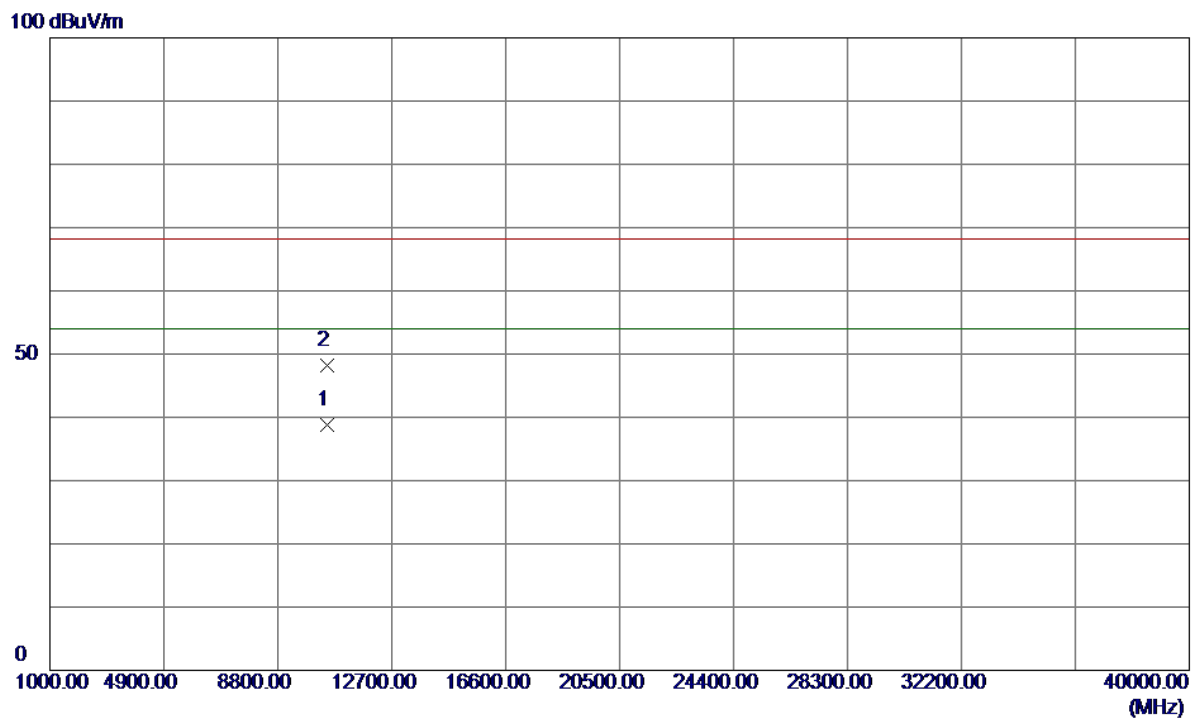
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5235.2000	58.54	40.40	98.94	68.30	30.64	Peak	NO limit
2	5245.3000	50.98	40.42	91.40	54.00	37.40	AVG	NO limit

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

Horizontal

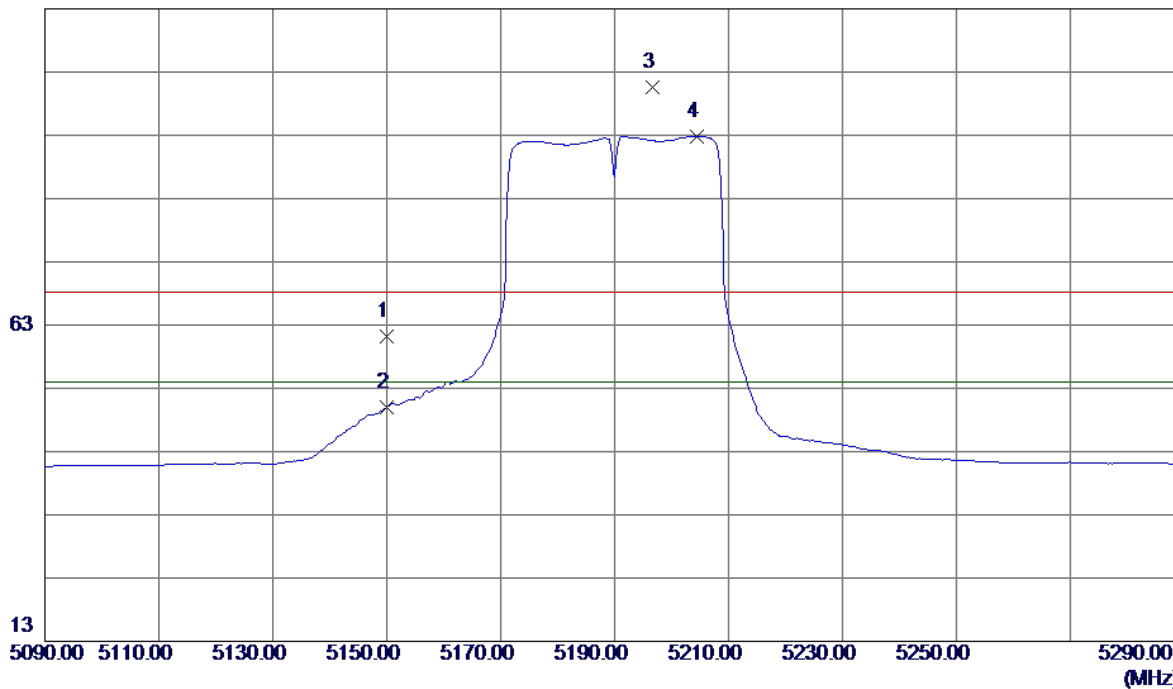


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10479.9300	25.18	13.69	38.87	54.00	-15.13	AVG	
2	10480.0599	34.55	13.69	48.24	68.30	-20.06	Peak	

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

Vertical

113 dBuV/m

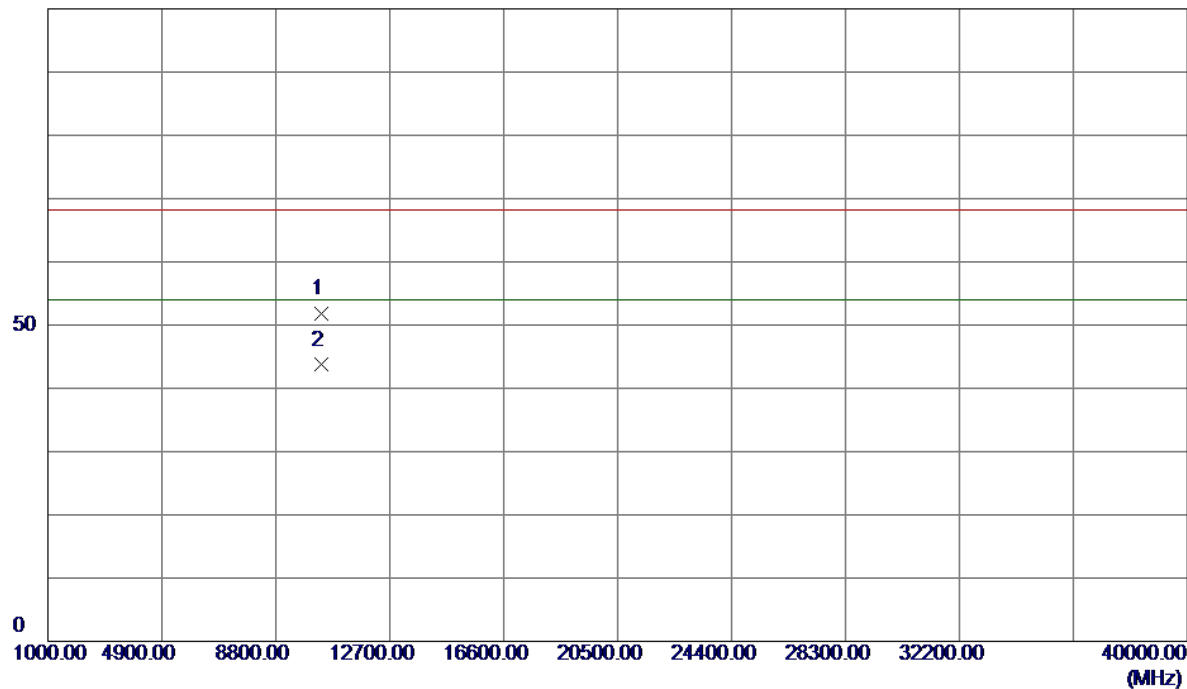


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	20.89	40.22	61.11	68.30	-7.19	Peak	
2	5150.0000	9.77	40.22	49.99	54.00	-4.01	AVG	
3	5196.6000	60.26	40.32	100.58	68.30	32.28	Peak	NO limit
4	5204.4000	52.55	40.33	92.88	54.00	38.88	AVG	NO limit

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

Vertical

100 dBuV/m

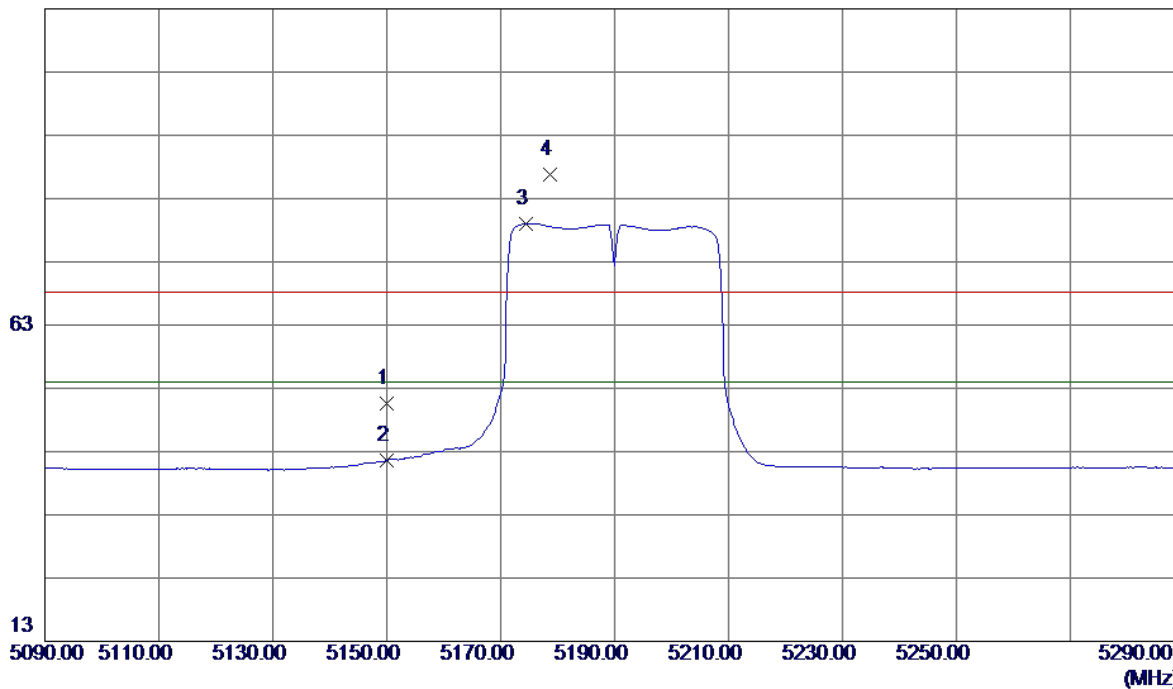


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10379.8400	37.92	13.83	51.75	68.30	-16.55	Peak	
2	10379.8900	29.87	13.83	43.70	54.00	-10.30	AVG	

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

Horizontal

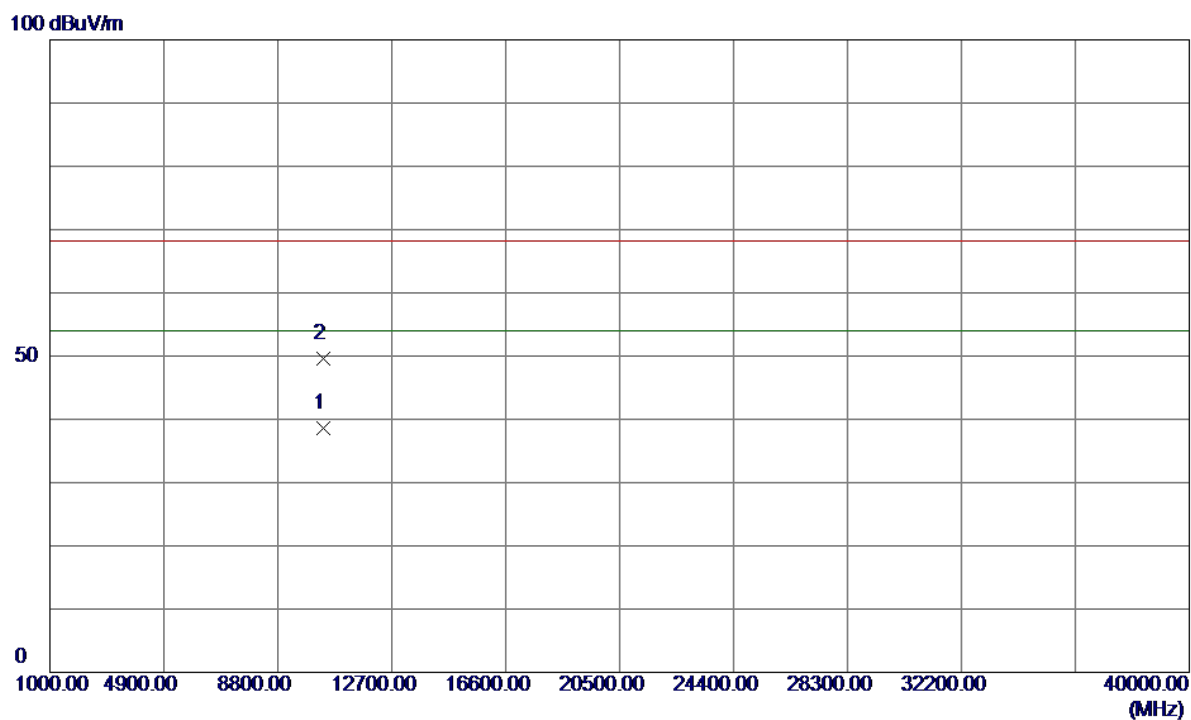
113 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	10.32	40.22	50.54	68.30	-17.76	Peak	
2	5150.0000	1.38	40.22	41.60	54.00	-12.40	AVG	
3	5174.4000	38.78	40.27	79.05	54.00	25.05	AVG	NO limit
4	5178.6000	46.45	40.28	86.73	68.30	18.43	Peak	NO limit

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

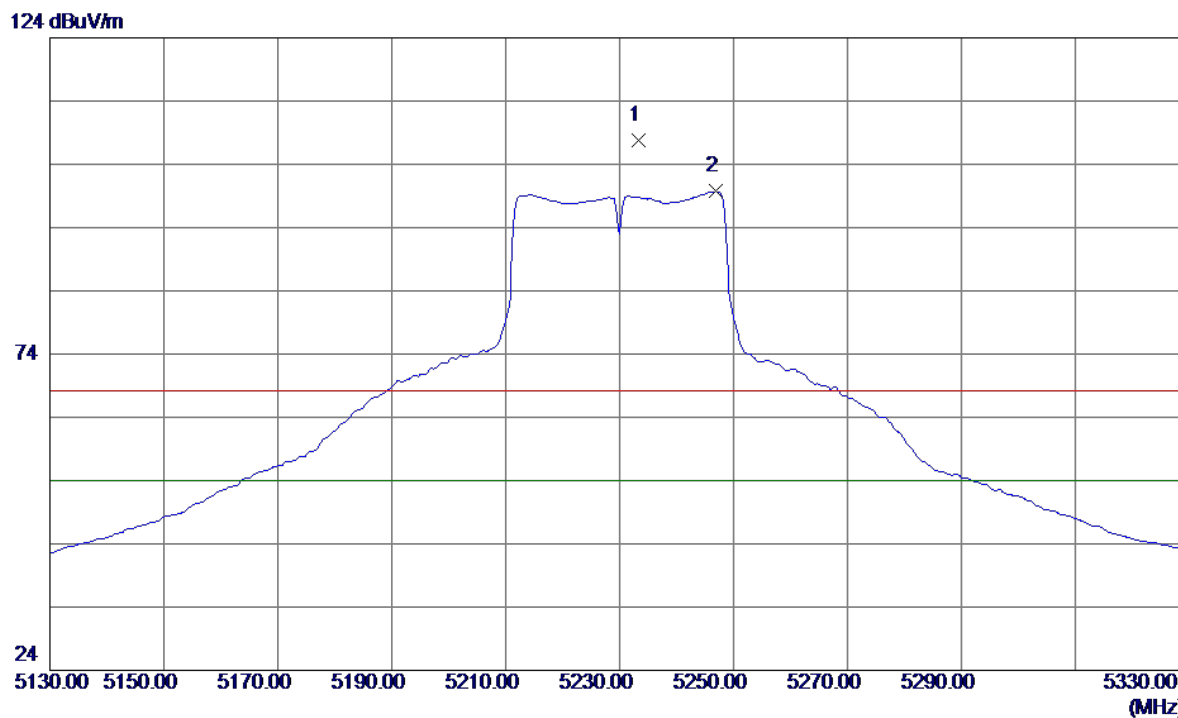
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10380.0900	24.79	13.83	38.62	54.00	-15.38	AVG	
2	10380.2100	35.72	13.83	49.55	68.30	-18.75	Peak	

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

Vertical

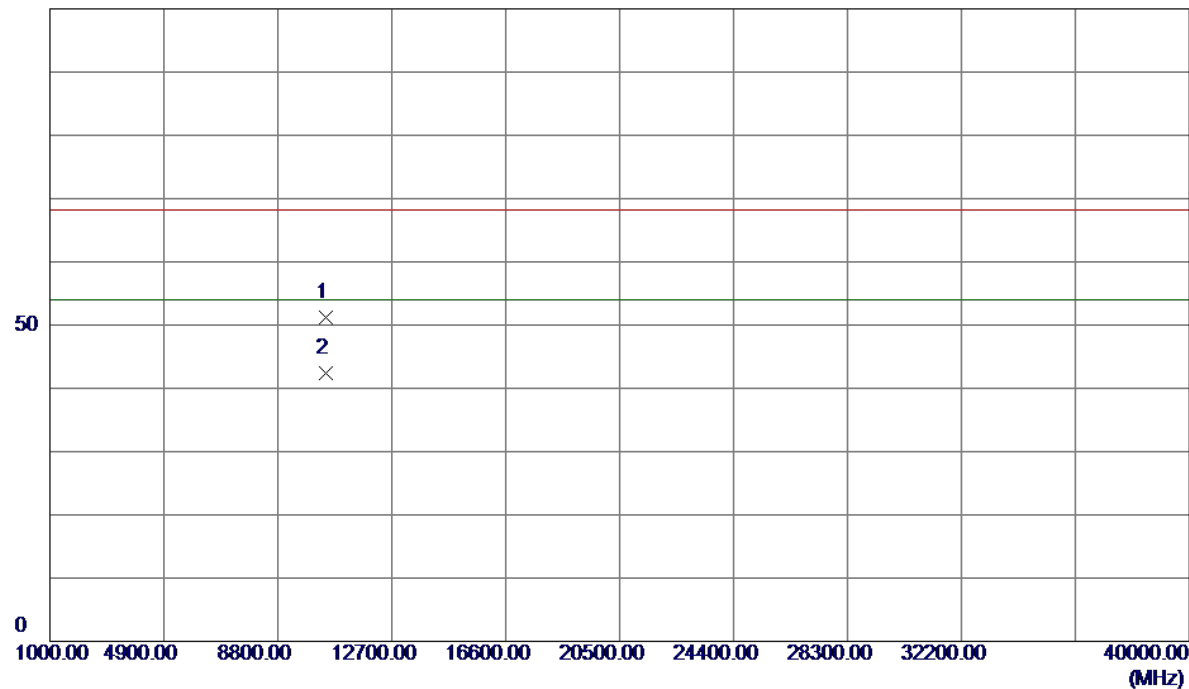


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5233.4000	67.45	40.39	107.84	68.30	39.54	Peak	NO limit
2	5246.8000	59.31	40.42	99.73	54.00	45.73	AVG	NO limit

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

Vertical

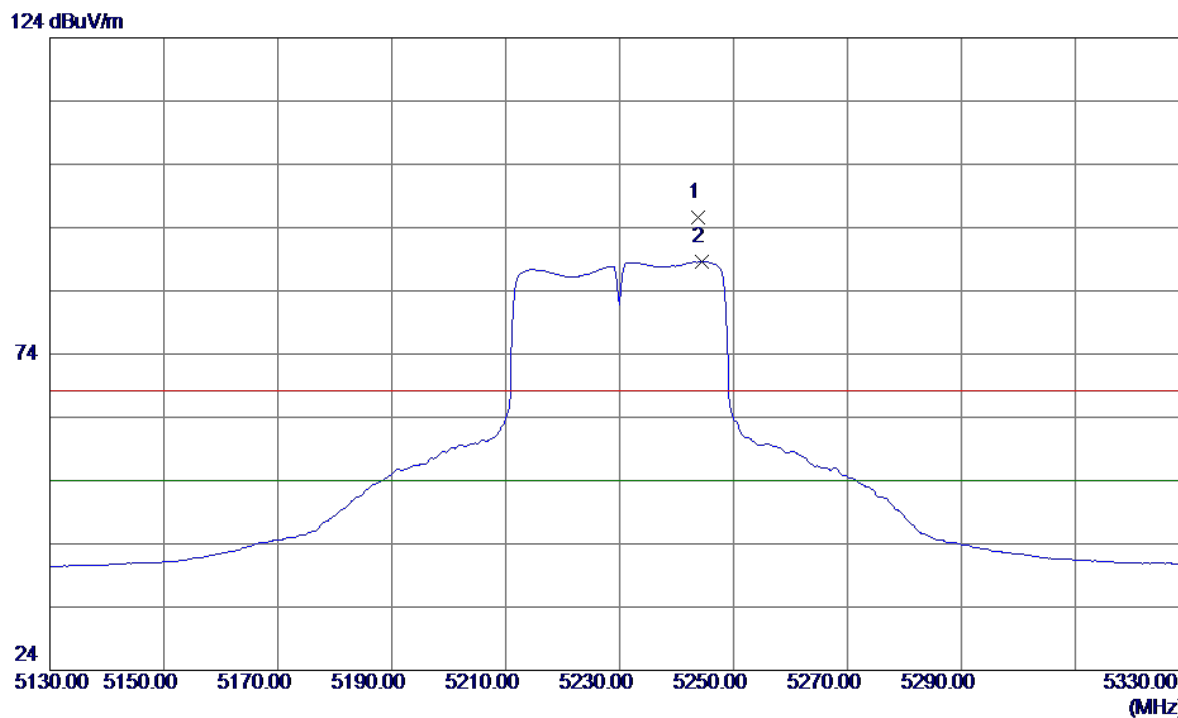
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10459.7400	37.55	13.72	51.27	68.30	-17.03	Peak	
2	10459.8900	28.61	13.72	42.33	54.00	-11.67	AVG	

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

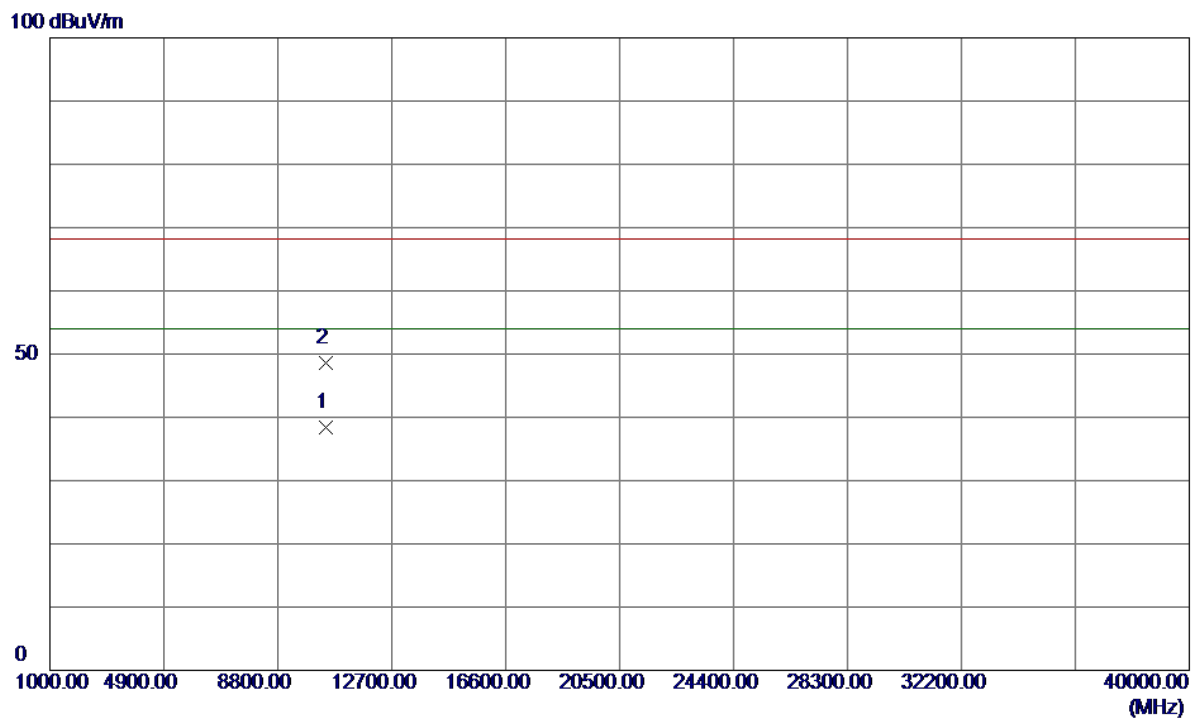
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5243.8000	55.23	40.42	95.65	68.30	27.35	Peak	NO limit
2	5244.4000	48.20	40.42	88.62	54.00	34.62	AVG	NO limit

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

Horizontal

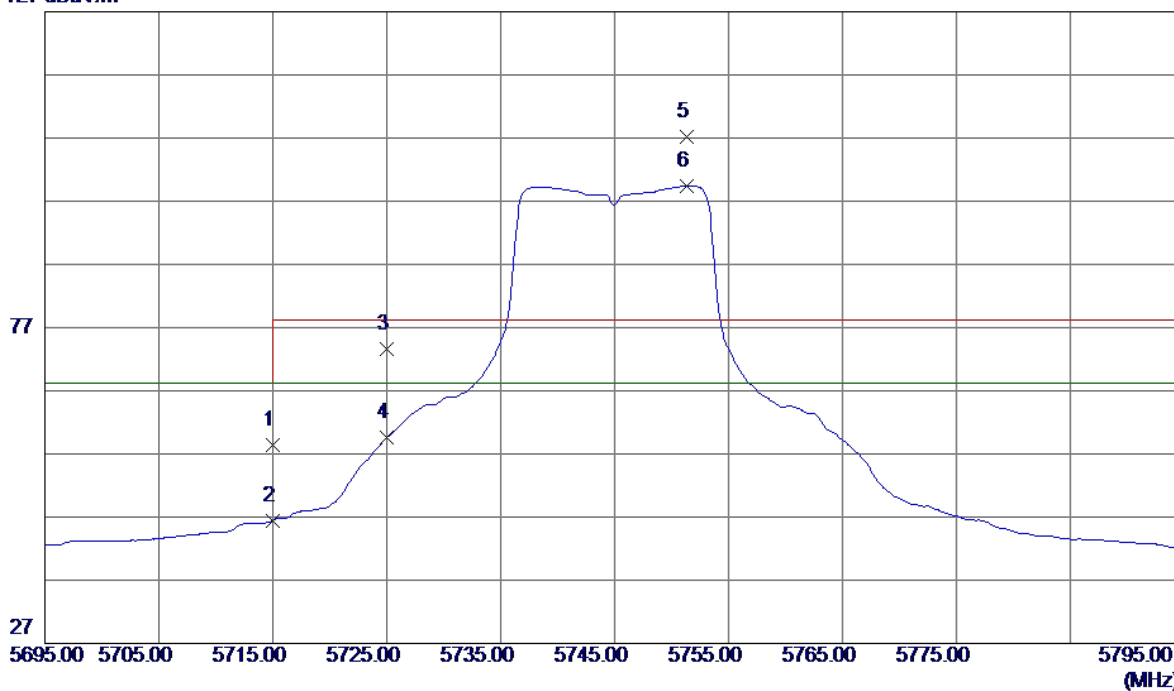


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10459.7900	24.61	13.72	38.33	54.00	-15.67	AVG	
2	10460.0500	34.92	13.72	48.64	68.30	-19.66	Peak	

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

Vertical

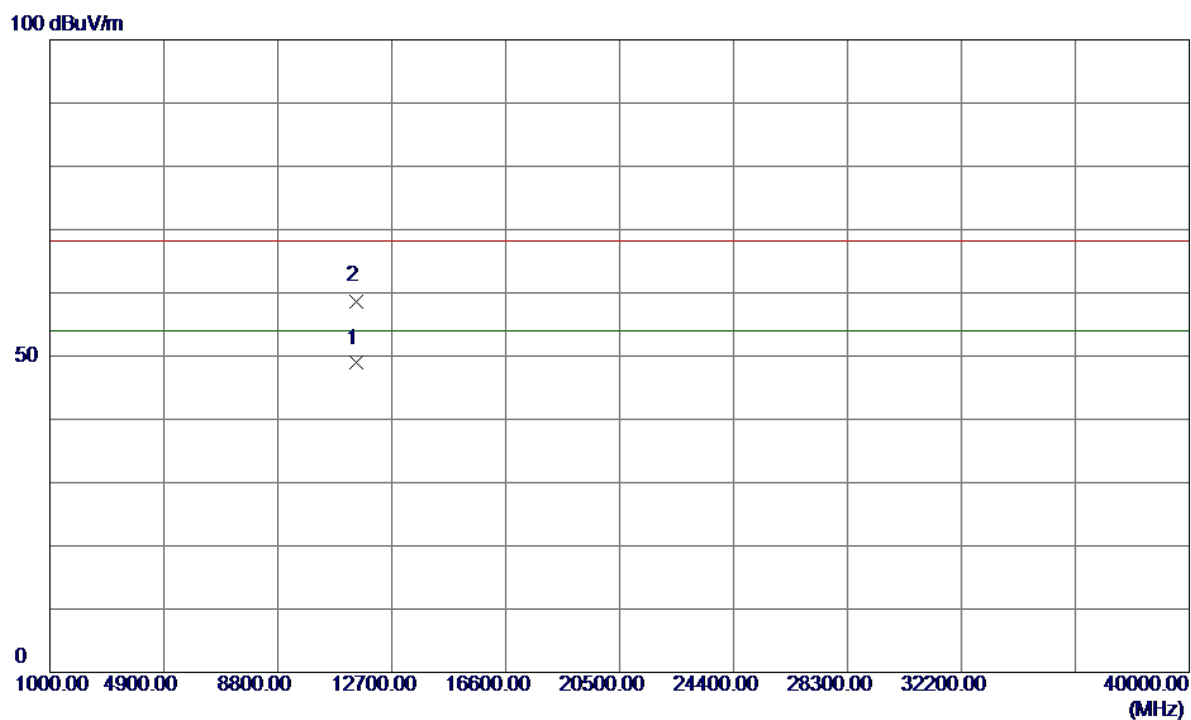
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	17.07	41.25	58.32	68.30	-9.98	Peak	
2	5715.0000	5.22	41.25	46.47	68.30	-21.83	AVG	
3	5725.0000	32.38	41.27	73.65	78.30	-4.65	Peak	
4	5725.0000	18.35	41.27	59.62	68.30	-8.68	AVG	
5	5751.3000	65.95	41.30	107.25	78.30	28.95	Peak	NO limit
6	5751.3000	58.13	41.30	99.43	68.30	31.13	AVG	NO limit

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

Vertical

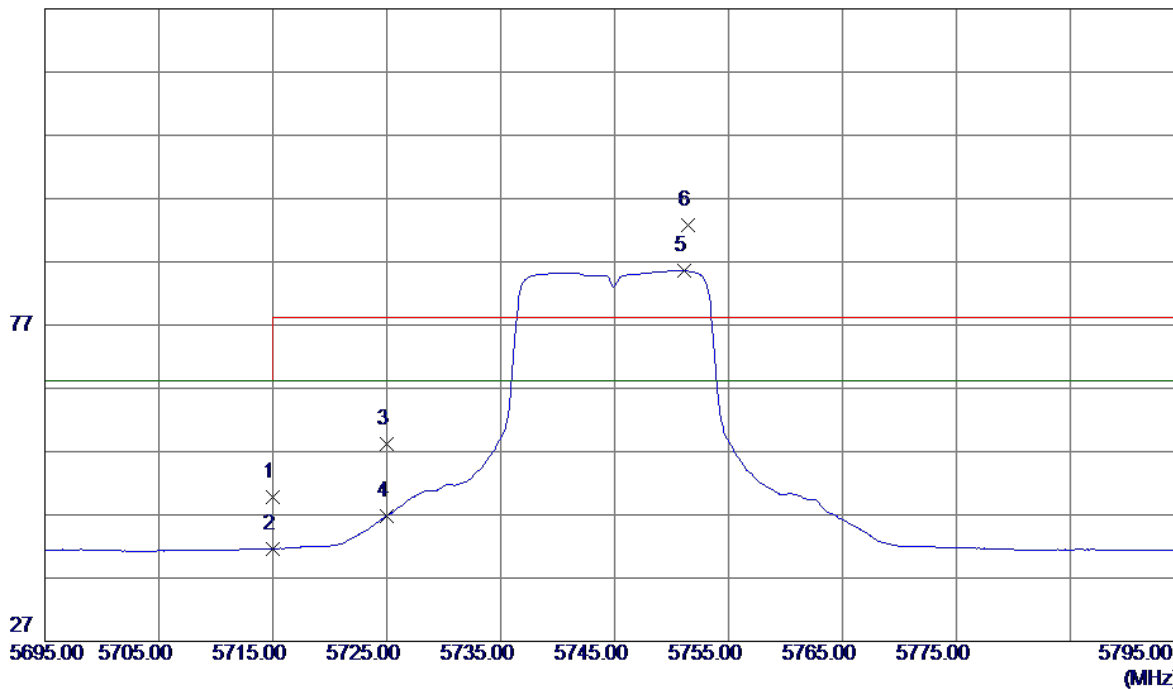


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11489.8900	31.99	16.91	48.90	54.00	-5.10	AVG	
2	11490.0599	41.79	16.91	58.70	68.30	-9.60	Peak	

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

Horizontal

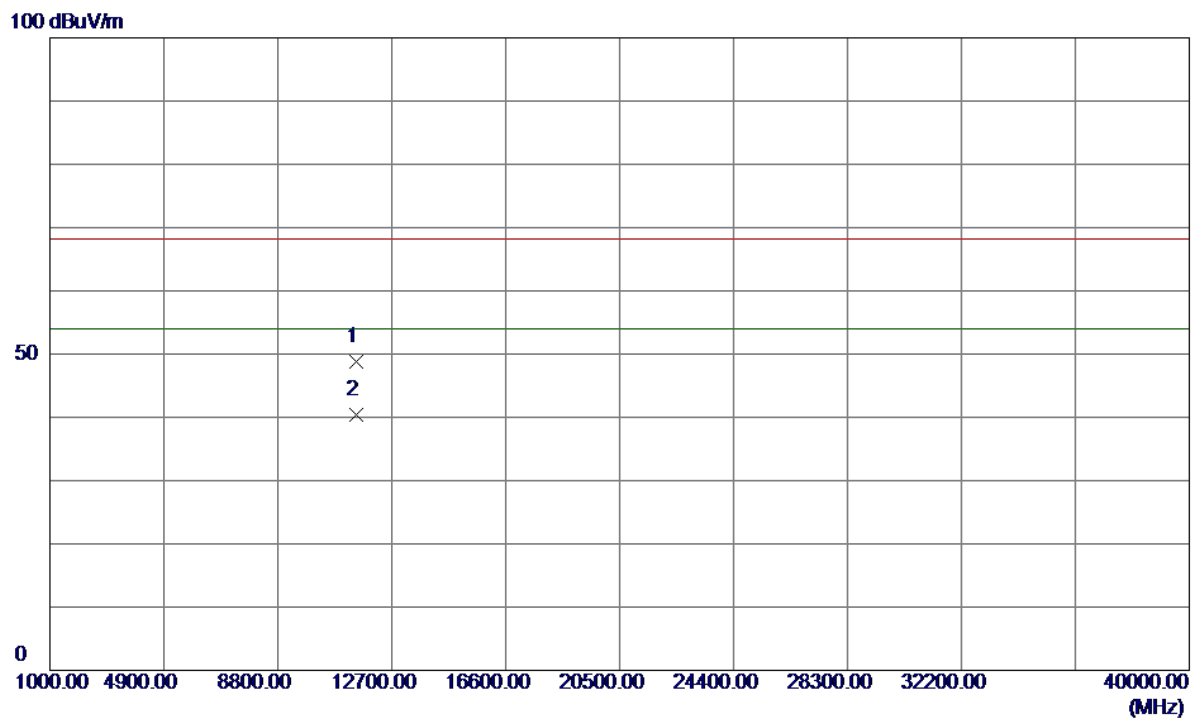
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	8.55	41.25	49.80	68.30	-18.50	Peak	
2	5715.0000	0.37	41.25	41.62	68.30	-26.68	AVG	
3	5725.0000	16.85	41.27	58.12	78.30	-20.18	Peak	
4	5725.0000	5.55	41.27	46.82	68.30	-21.48	AVG	
5	5751.1000	44.31	41.30	85.61	68.30	17.31	AVG	NO limit
6	5751.4000	51.47	41.30	92.77	78.30	14.47	Peak	NO limit

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

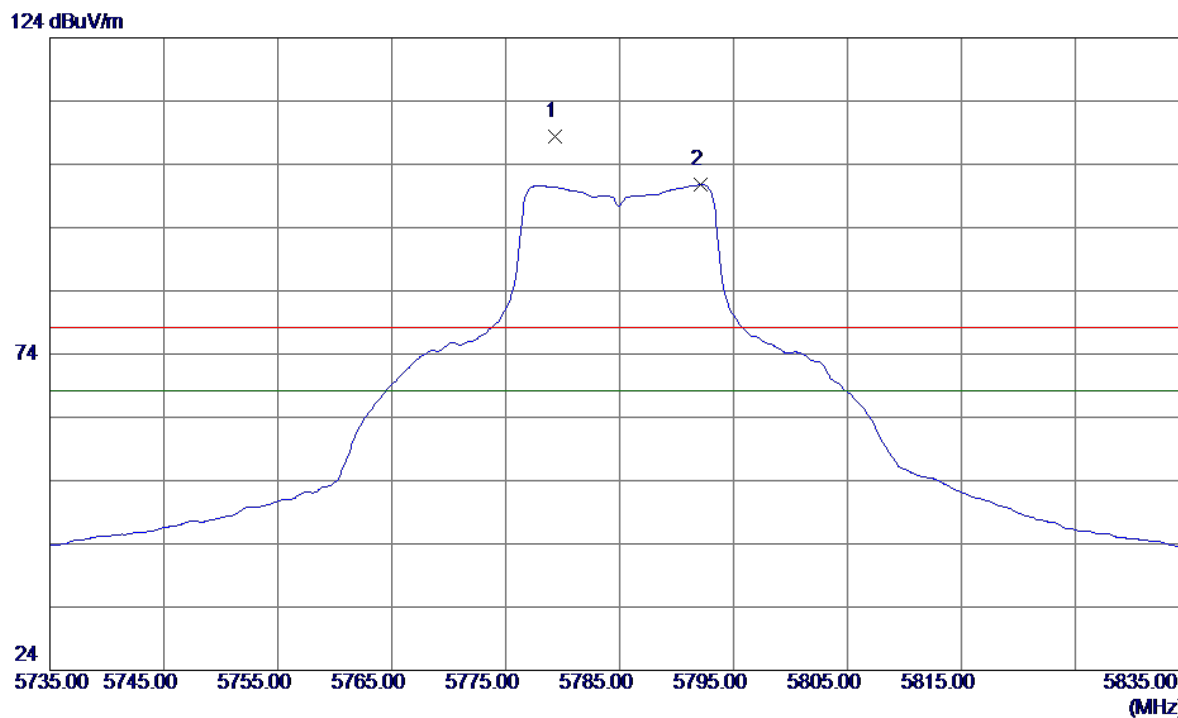
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11490.0000	31.93	16.91	48.84	68.30	-19.46	Peak	
2	11490.0000	23.51	16.91	40.42	54.00	-13.58	AVG	

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

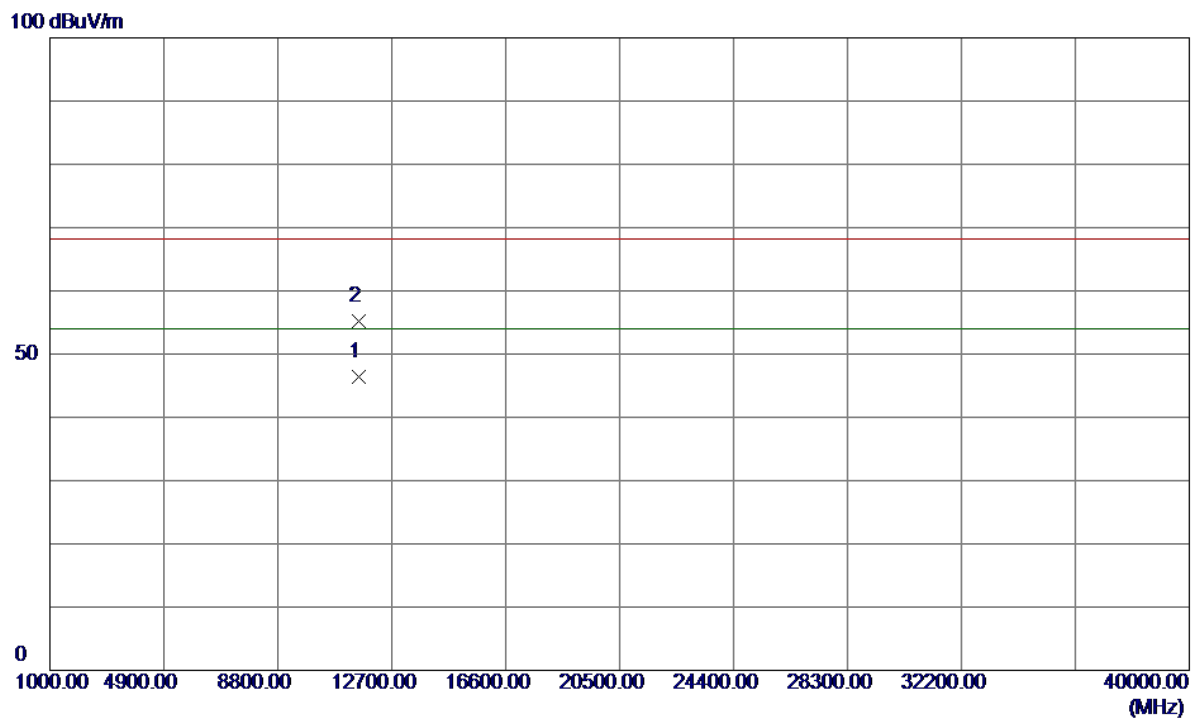
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5779.3000	67.04	41.34	108.38	78.30	30.08	Peak	NO limit
2	5792.1000	59.39	41.36	100.75	68.30	32.45	AVG	NO limit

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

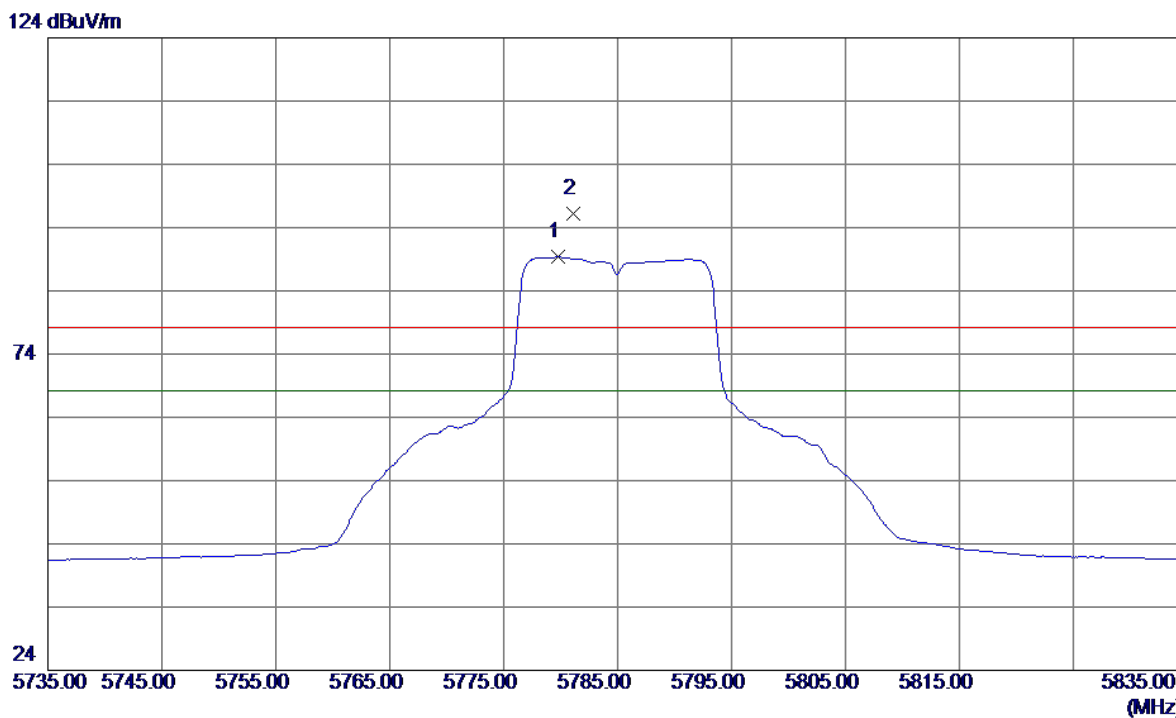
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11569.8600	29.30	17.05	46.35	54.00	-7.65	AVG	
2	11570.0900	38.11	17.05	55.16	68.30	-13.14	Peak	

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

Horizontal

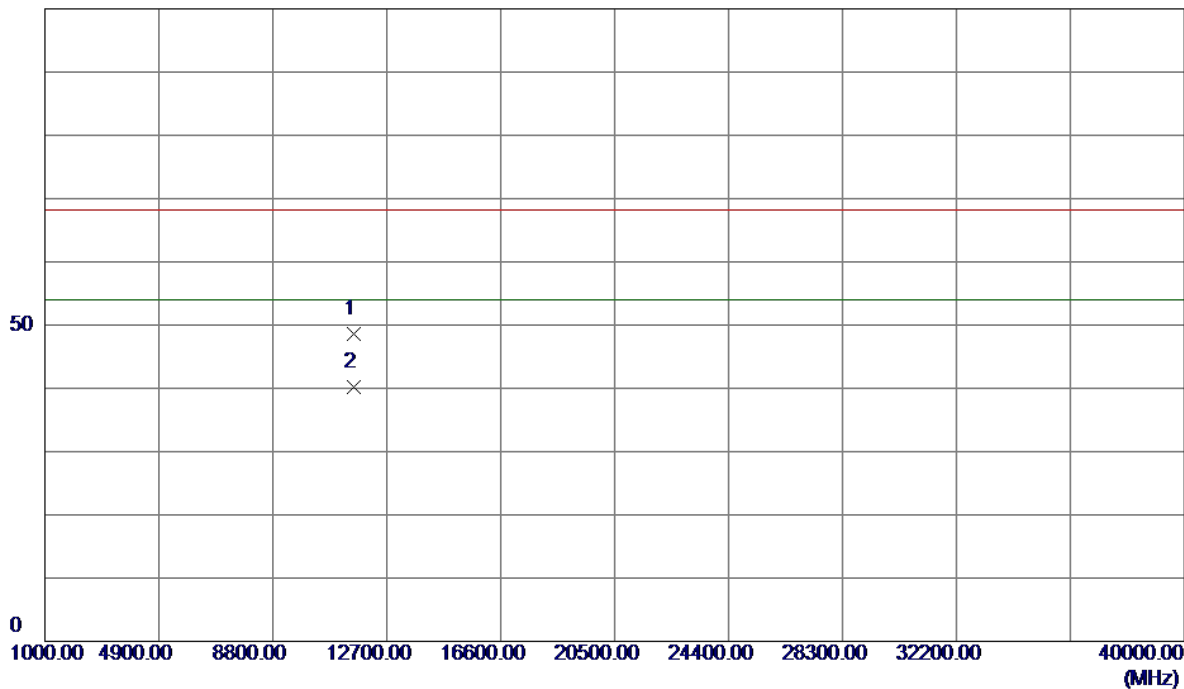


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5779.8000	47.98	41.34	89.32	68.30	21.02	AVG	NO limit
2	5781.1000	54.85	41.34	96.19	78.30	17.89	Peak	NO limit

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

Horizontal

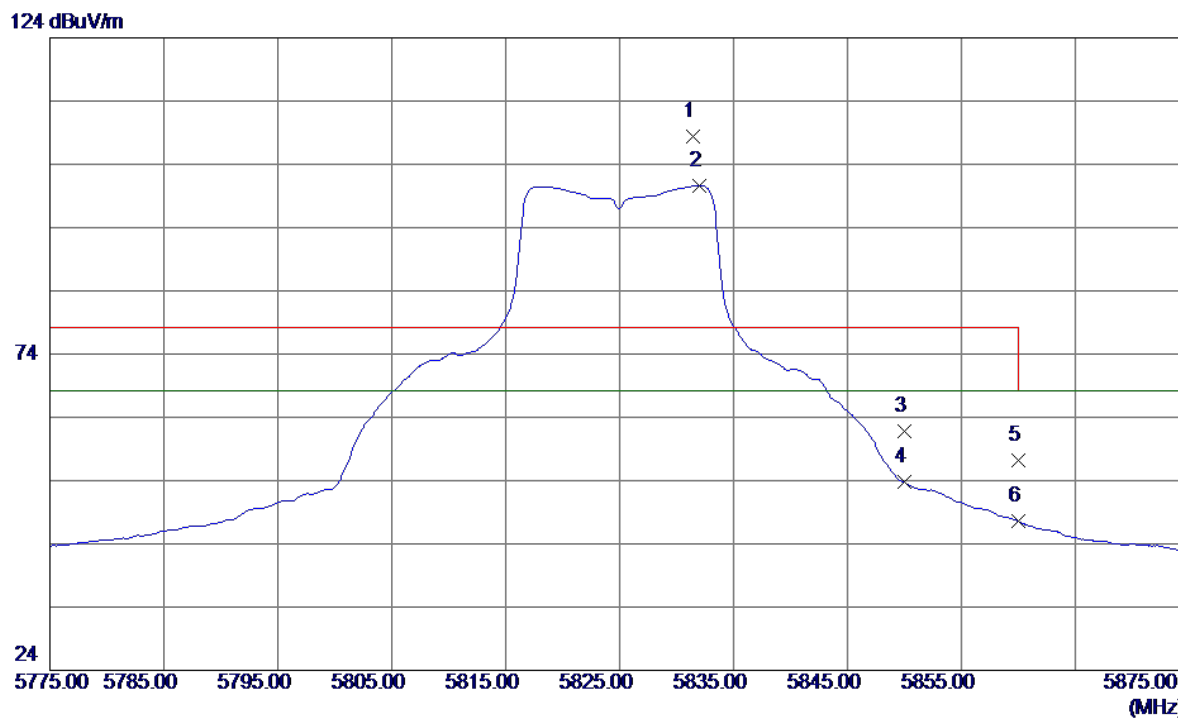
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11570.0199	31.60	17.05	48.65	68.30	-19.65	Peak	
2	11570.0199	23.10	17.05	40.15	54.00	-13.85	AVG	

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

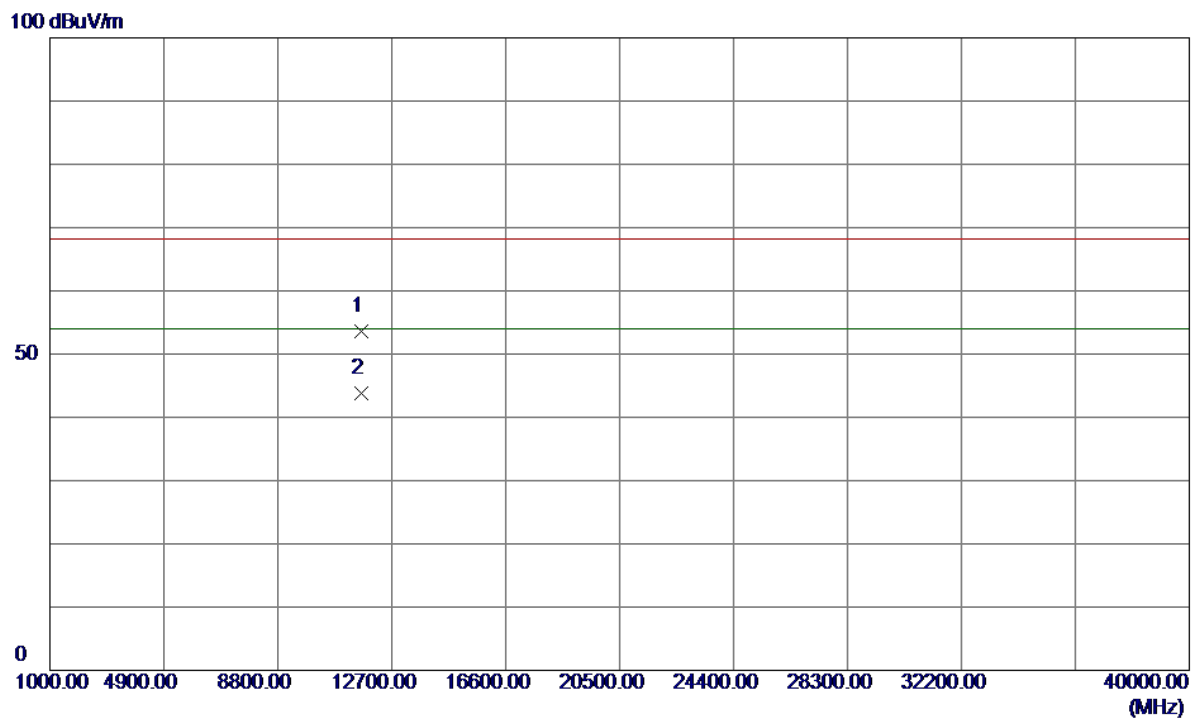
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5831.4000	67.04	41.41	108.45	78.30	30.15	Peak	NO limit
2	5832.0000	59.16	41.41	100.57	68.30	32.27	AVG	NO limit
3	5850.0000	20.40	41.44	61.84	78.30	-16.46	Peak	
4	5850.0000	12.28	41.44	53.72	68.30	-14.58	AVG	
5	5860.0000	15.78	41.45	57.23	78.30	-21.07	Peak	
6	5860.0000	6.09	41.45	47.54	68.30	-20.76	AVG	

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

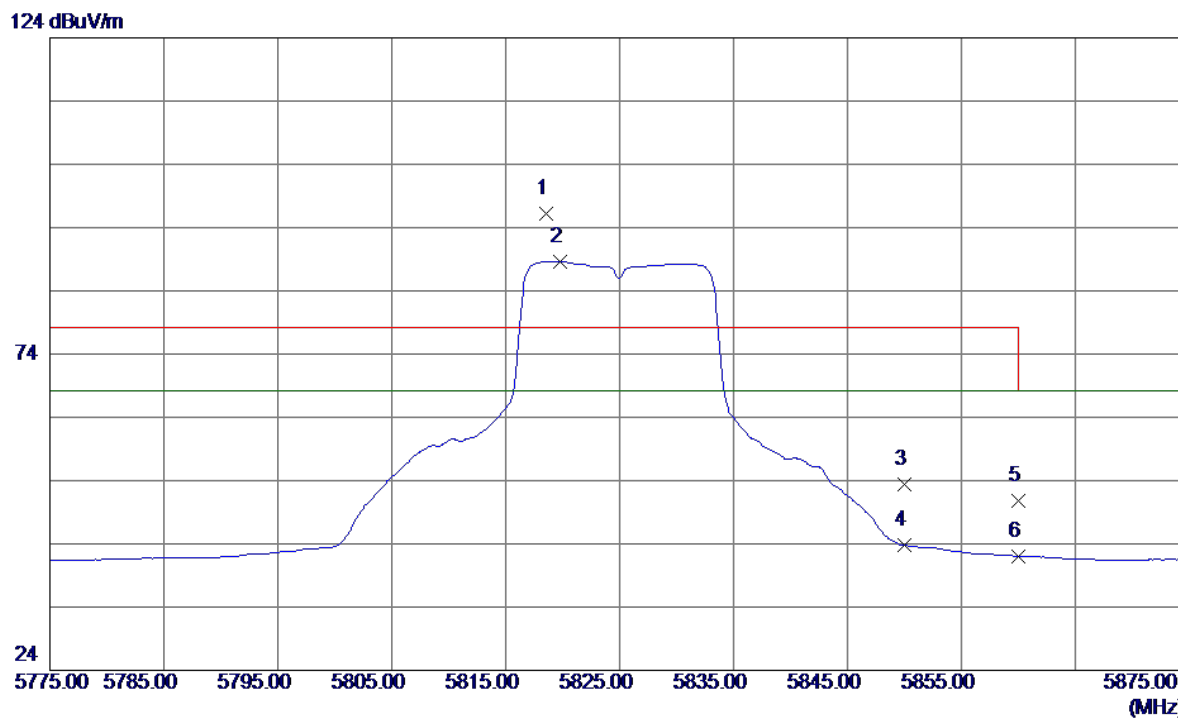
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11649.8300	36.42	17.17	53.59	68.30	-14.71	Peak	
2	11649.8700	26.56	17.17	43.73	54.00	-10.27	AVG	

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

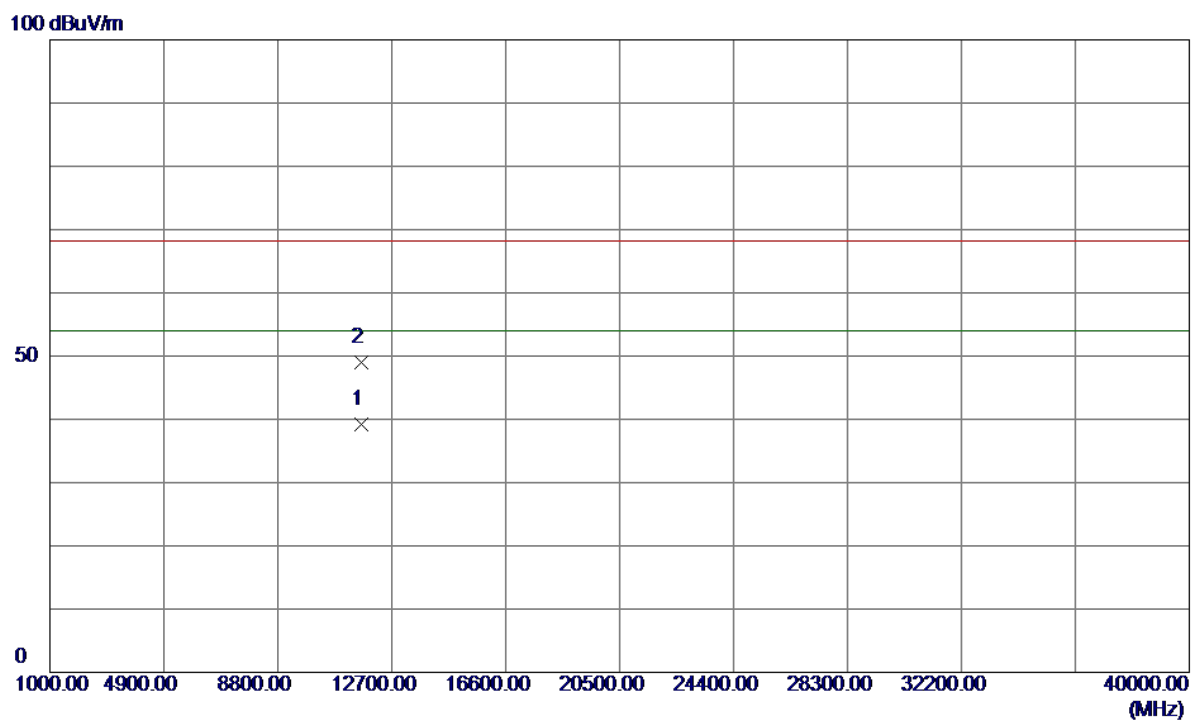
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5818.6000	54.83	41.39	96.22	78.30	17.92	Peak	NO limit
2	5819.8000	47.19	41.39	88.58	68.30	20.28	AVG	NO limit
3	5850.0000	11.99	41.44	53.43	78.30	-24.87	Peak	
4	5850.0000	2.35	41.44	43.79	68.30	-24.51	AVG	
5	5860.0000	9.39	41.45	50.84	78.30	-27.46	Peak	
6	5860.0000	0.61	41.45	42.06	68.30	-26.24	AVG	

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

Horizontal

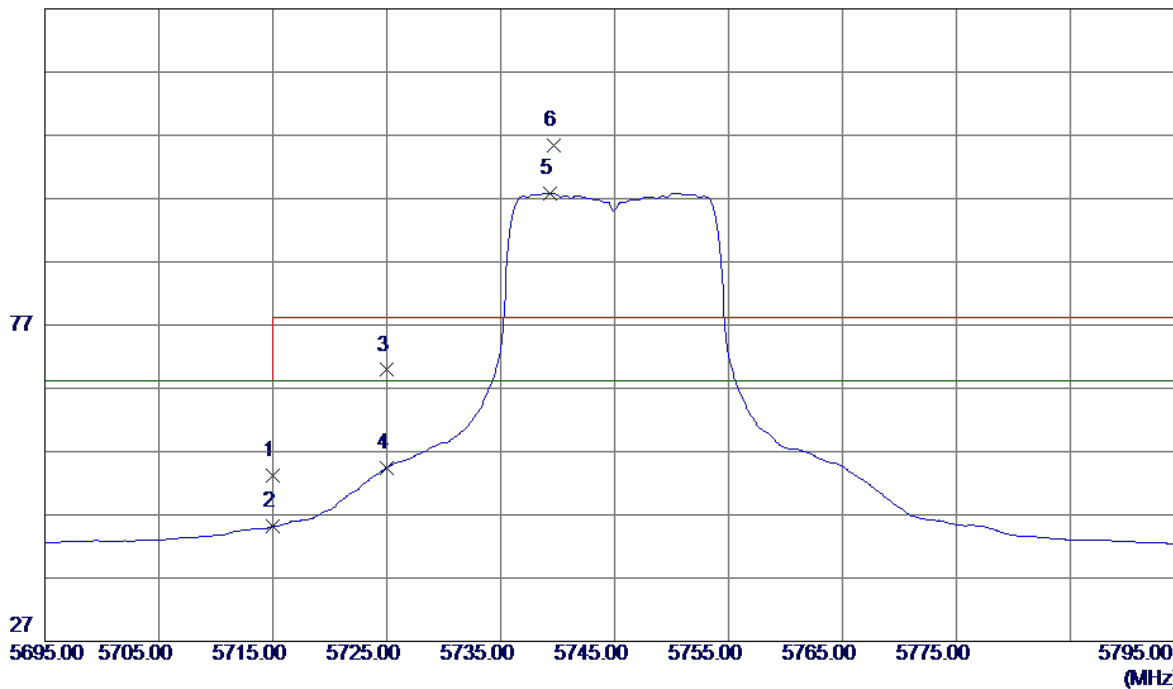


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11649.9500	22.12	17.17	39.29	54.00	-14.71	AVG	
2	11650.0000	31.82	17.17	48.99	68.30	-19.31	Peak	

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

Vertical

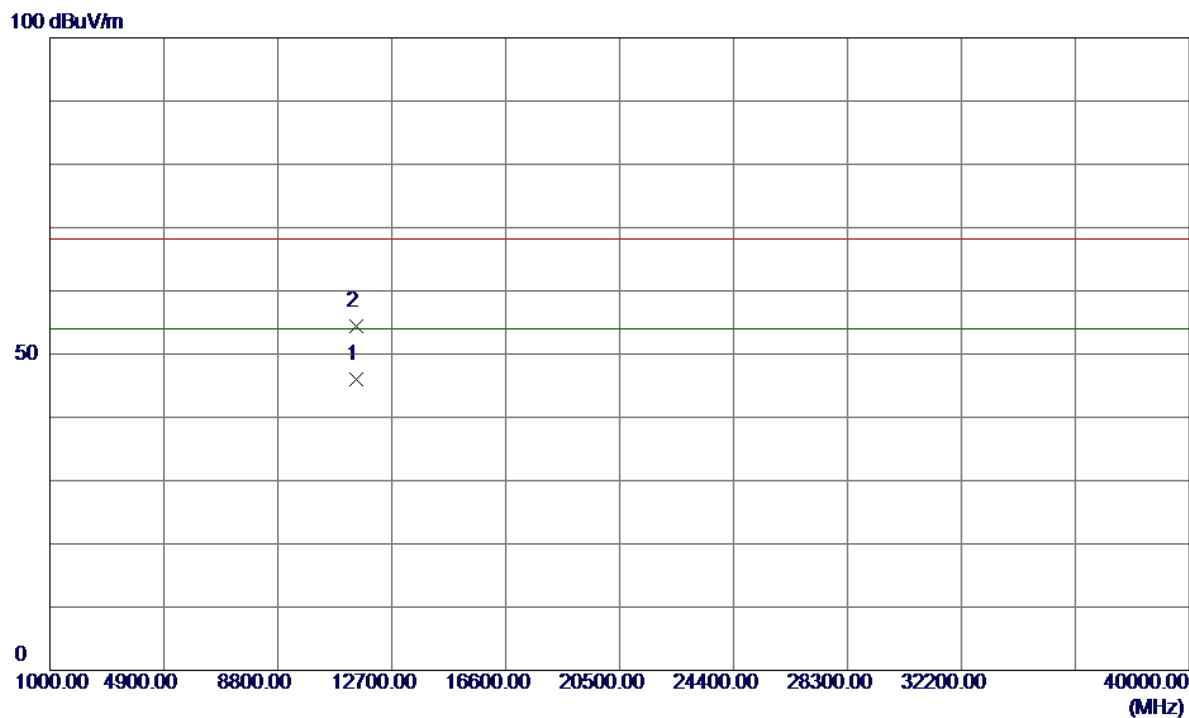
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	11.91	41.25	53.16	68.30	-15.14	Peak	
2	5715.0000	3.86	41.25	45.11	68.30	-23.19	AVG	
3	5725.0000	28.63	41.27	69.90	78.30	-8.40	Peak	
4	5725.0000	13.19	41.27	54.46	68.30	-13.84	AVG	
5	5739.3000	56.53	41.29	97.82	68.30	29.52	AVG	NO limit
6	5739.7000	64.13	41.29	105.42	78.30	27.12	Peak	NO limit

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

Vertical

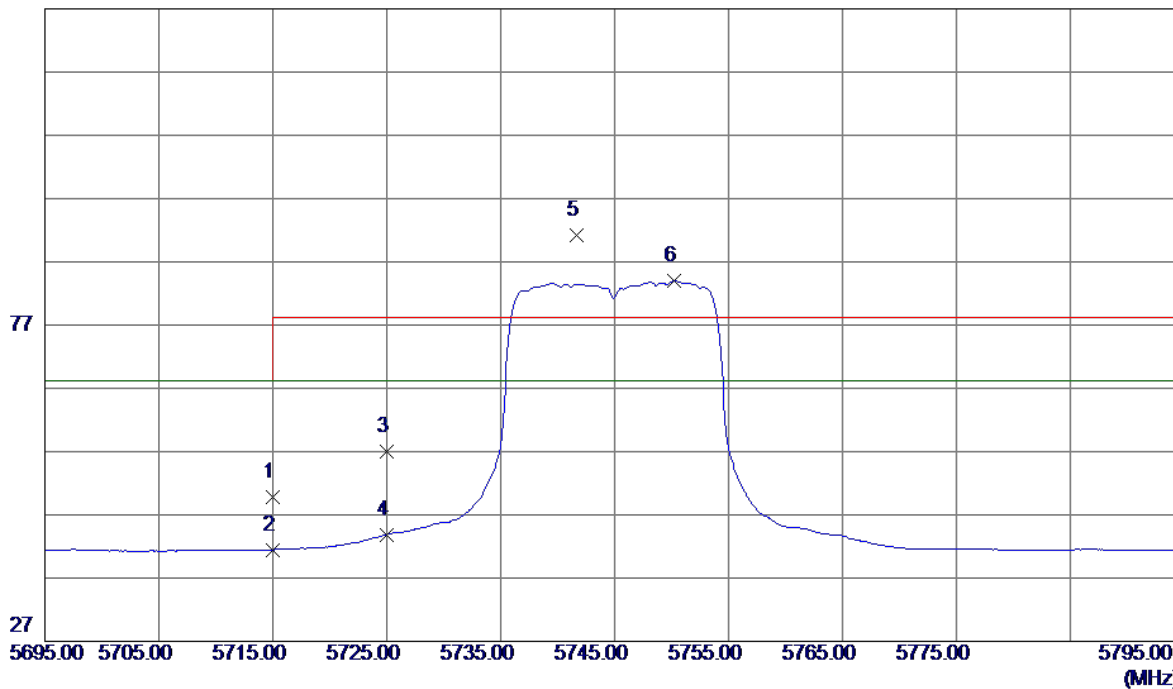


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11489.8500	29.00	16.91	45.91	54.00	-8.09	AVG	
2	11490.0199	37.44	16.91	54.35	68.30	-13.95	Peak	

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

Horizontal

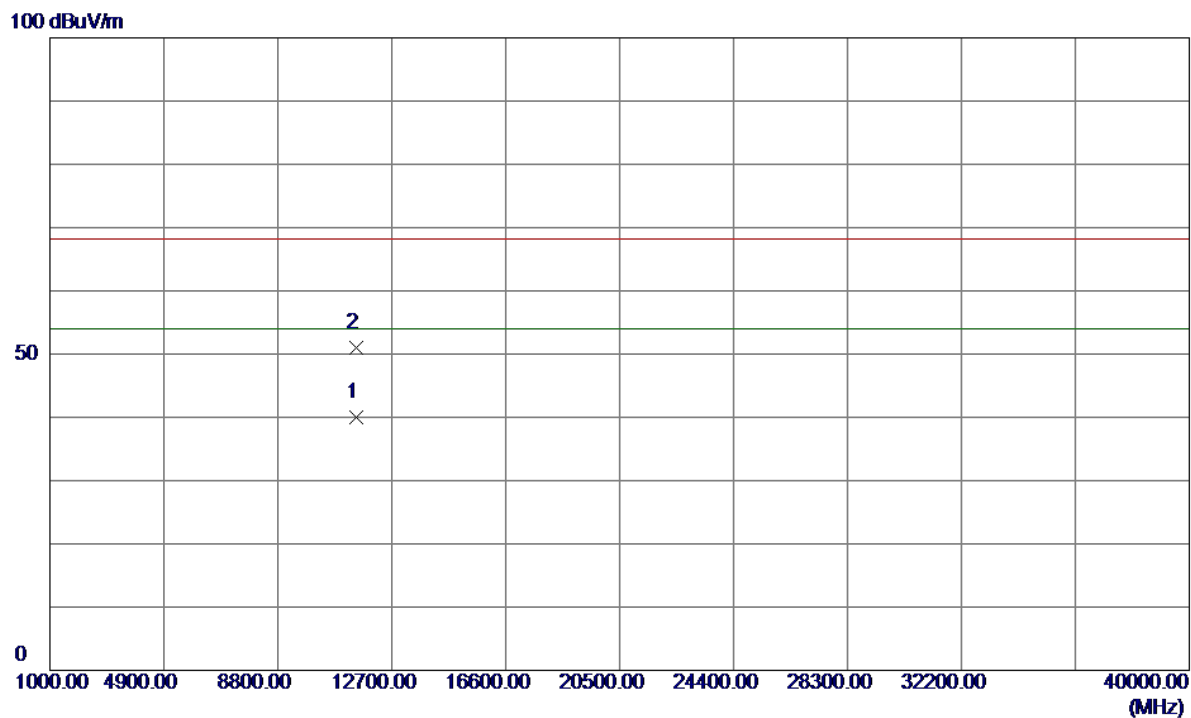
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	8.56	41.25	49.81	68.30	-18.49	Peak	
2	5715.0000	0.24	41.25	41.49	68.30	-26.81	AVG	
3	5725.0000	15.73	41.27	57.00	78.30	-21.30	Peak	
4	5725.0000	2.60	41.27	43.87	68.30	-24.43	AVG	
5	5741.7000	49.91	41.29	91.20	78.30	12.90	Peak	NO limit
6	5750.2000	42.63	41.30	83.93	68.30	15.63	AVG	NO limit

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

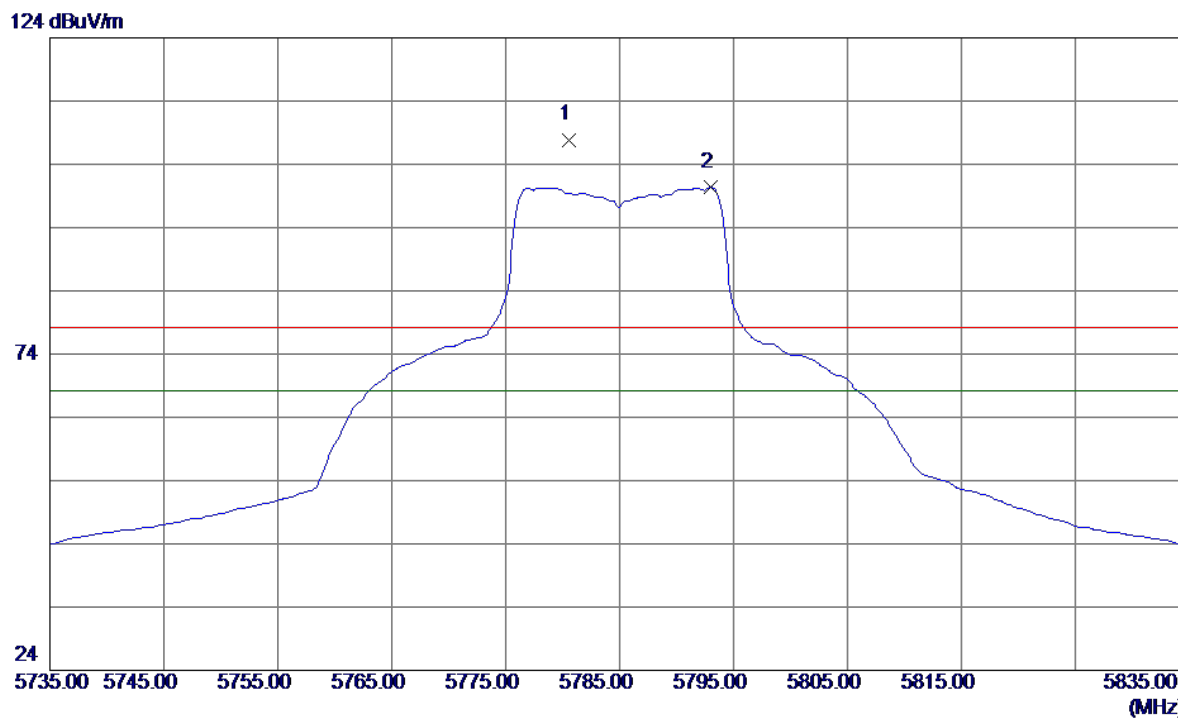
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11489.9000	23.12	16.91	40.03	54.00	-13.97	AVG	
2	11490.1200	34.03	16.91	50.94	68.30	-17.36	Peak	

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

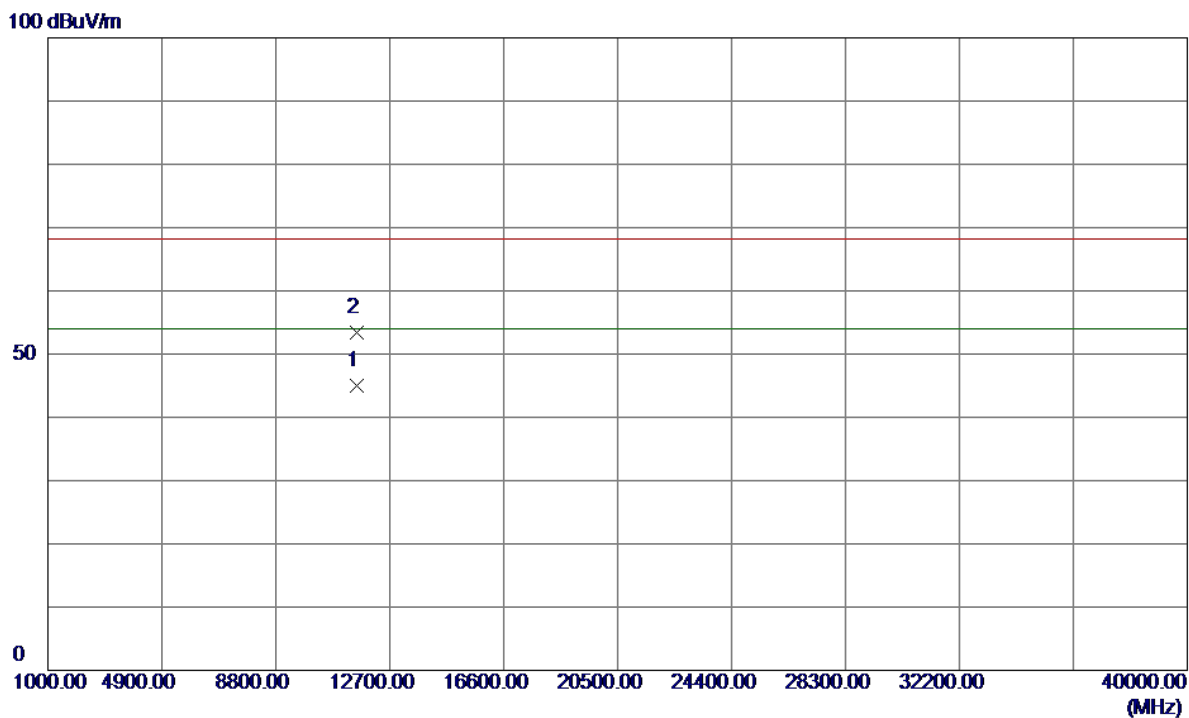
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5780.6000	66.56	41.34	107.90	78.30	29.60	Peak	NO limit
2	5793.0000	58.98	41.36	100.34	68.30	32.04	AVG	NO limit

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

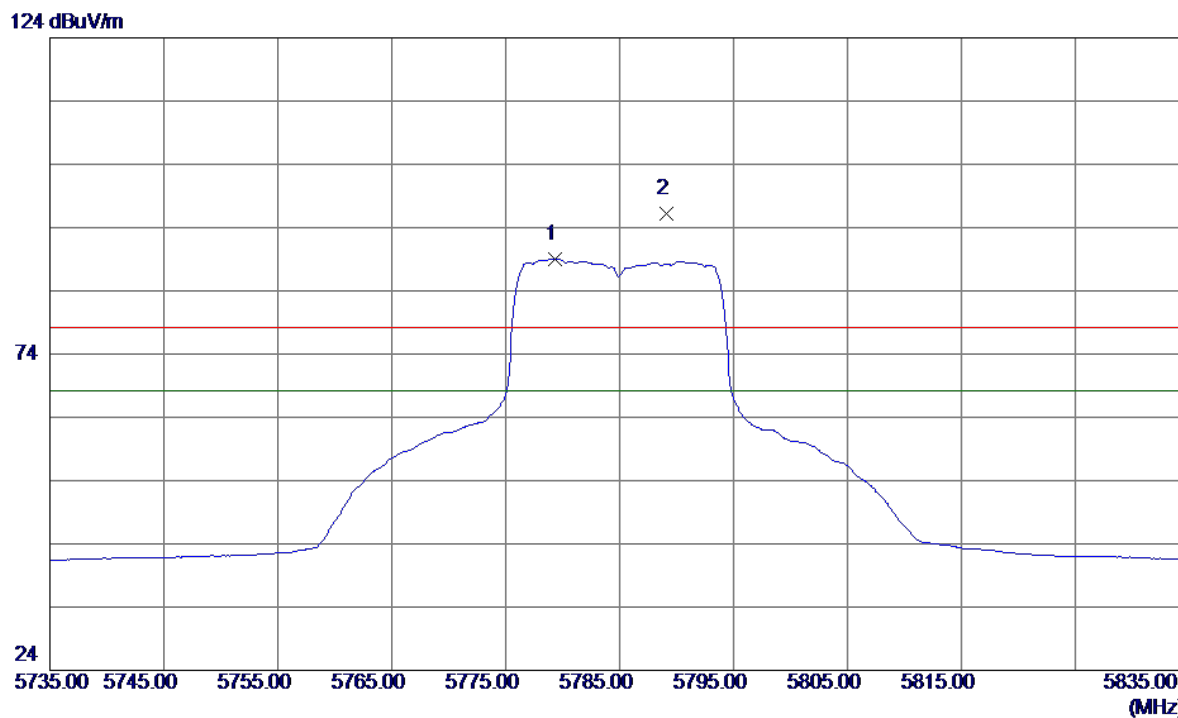
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11569.8900	27.89	17.05	44.94	54.00	-9.06	AVG	
2	11570.0000	36.43	17.05	53.48	68.30	-14.82	Peak	

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

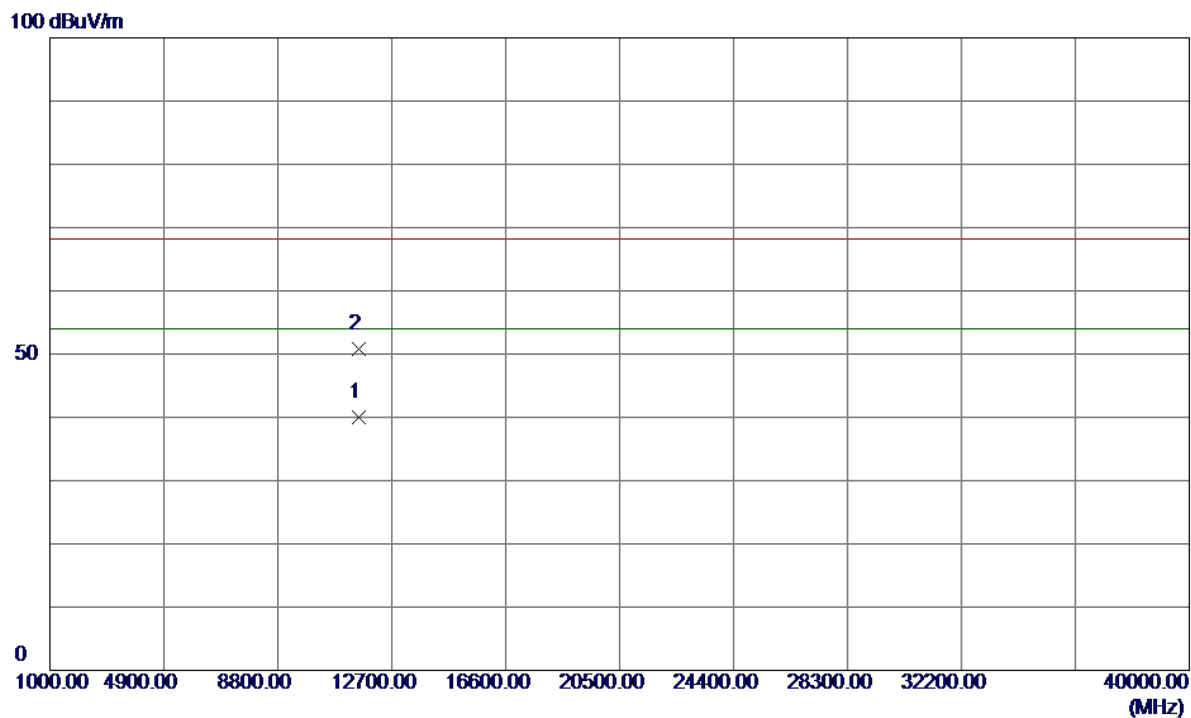
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5779.3000	47.72	41.34	89.06	68.30	20.76	AVG	NO limit
2	5789.1000	54.83	41.35	96.18	78.30	17.88	Peak	NO limit

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

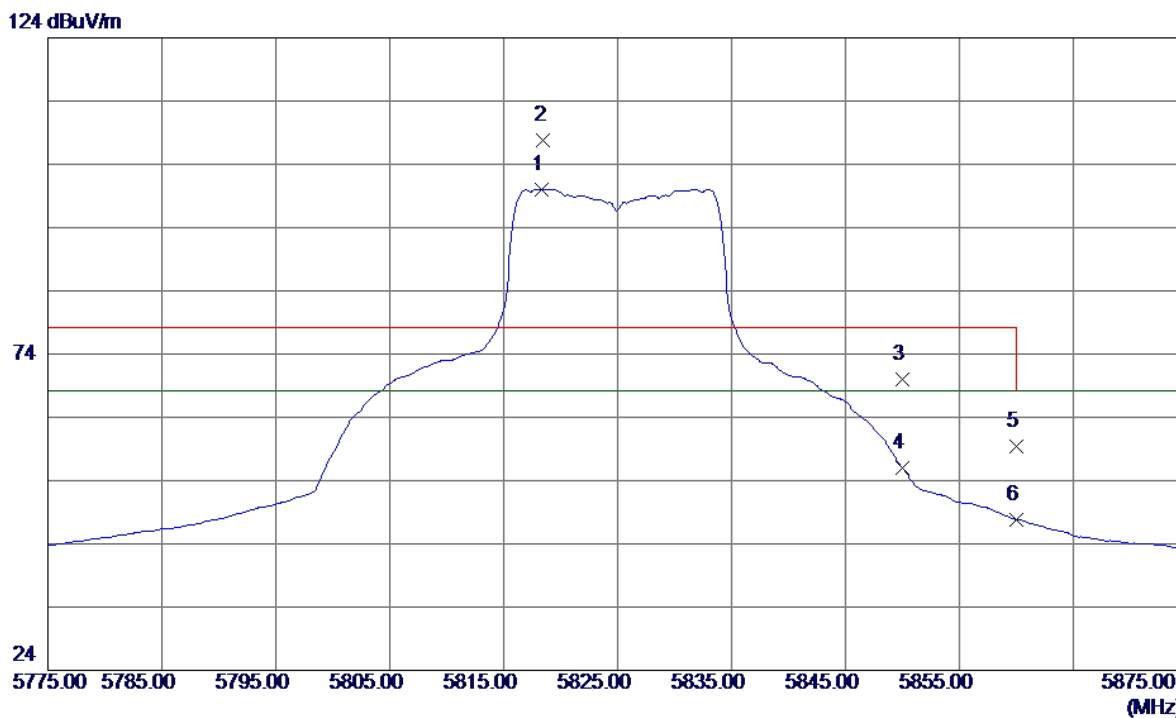
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11569.9300	22.99	17.05	40.04	54.00	-13.96	AVG	
2	11569.9600	33.68	17.05	50.73	68.30	-17.57	Peak	

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

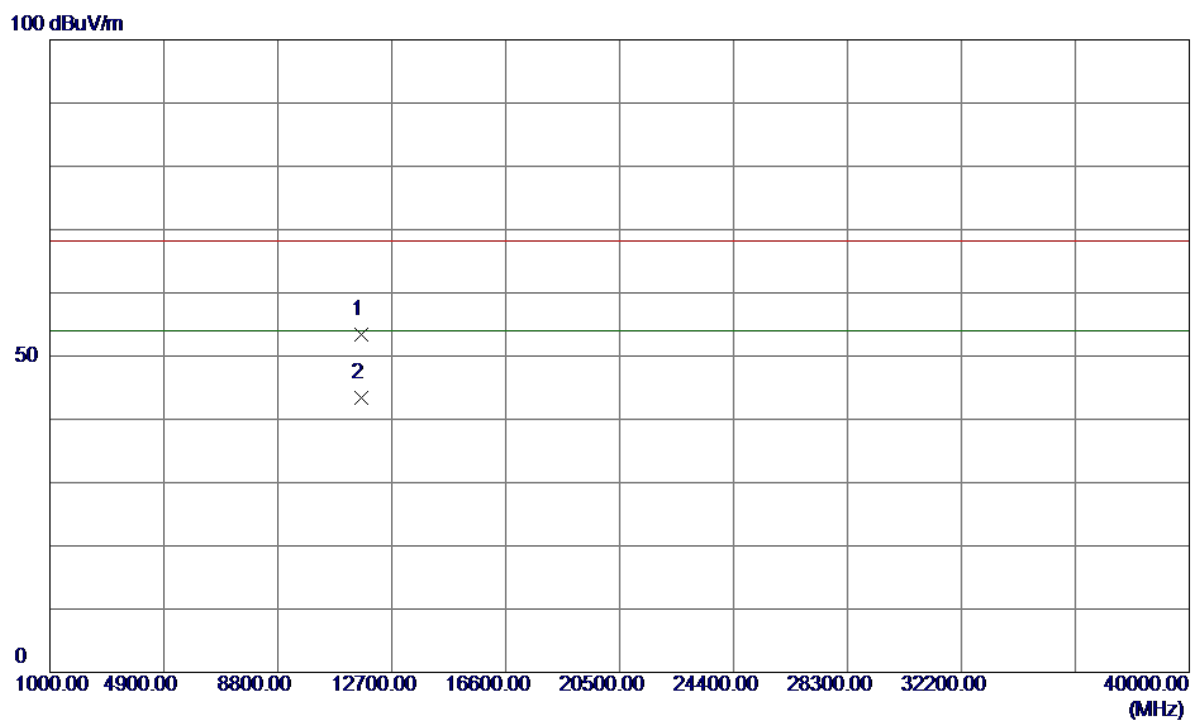
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5818.3000	58.63	41.39	100.02	68.30	31.72	AVG	NO limit
2	5818.5000	66.44	41.39	107.83	78.30	29.53	Peak	NO limit
3	5850.0000	28.52	41.44	69.96	78.30	-8.34	Peak	
4	5850.0000	14.58	41.44	56.02	68.30	-12.28	AVG	
5	5860.0000	17.96	41.45	59.41	78.30	-18.89	Peak	
6	5860.0000	6.39	41.45	47.84	68.30	-20.46	AVG	

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

Vertical

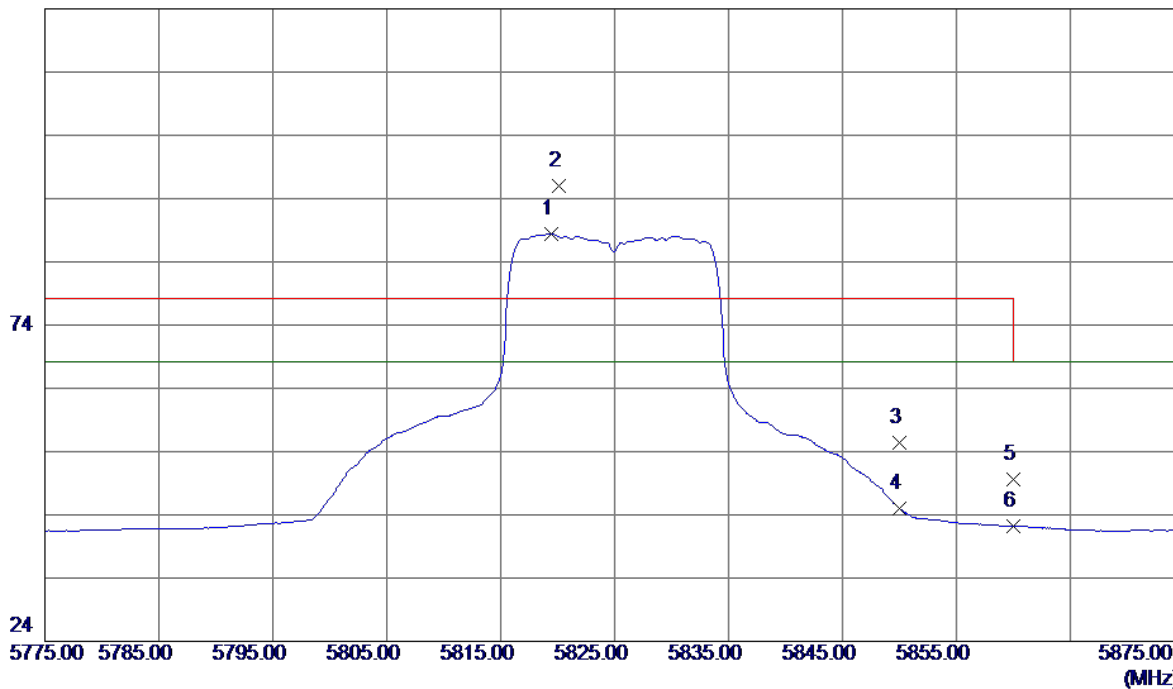


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11649.8400	36.23	17.17	53.40	68.30	-14.90	Peak	
2	11649.8700	26.21	17.17	43.38	54.00	-10.62	AVG	

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

Horizontal

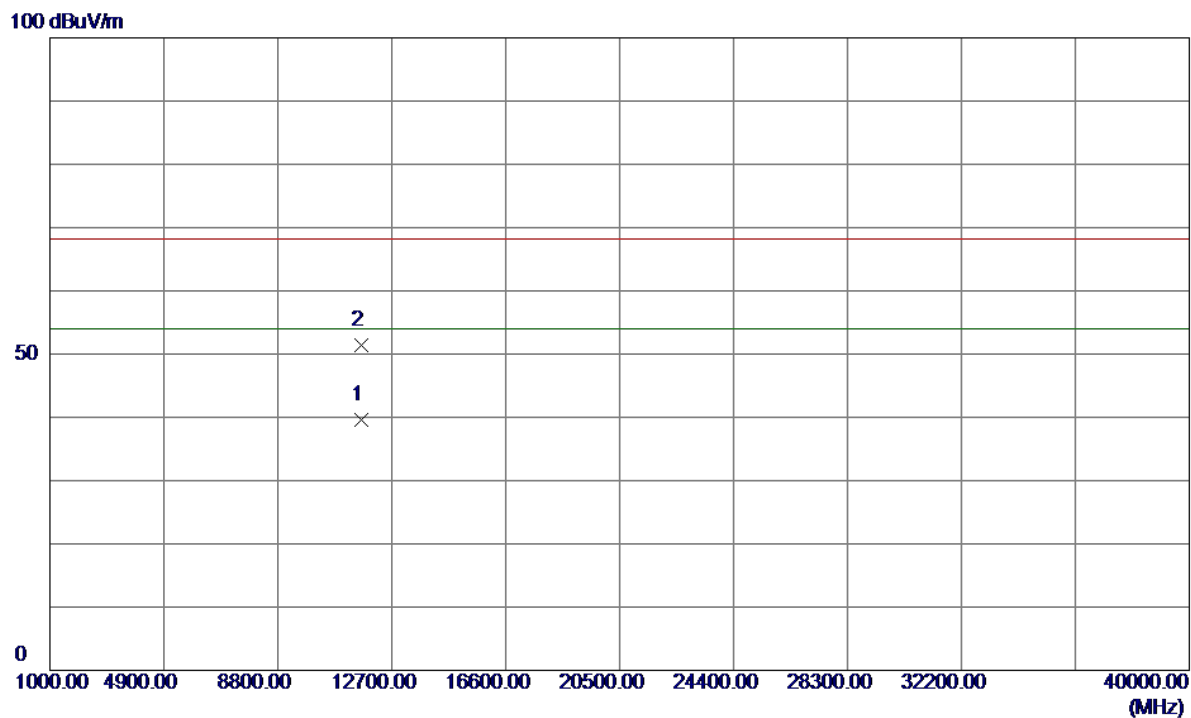
124 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5819.4000	47.00	41.39	88.39	68.30	20.09	AVG	NO limit
2	5820.1000	54.66	41.40	96.06	78.30	17.76	Peak	NO limit
3	5850.0000	13.89	41.44	55.33	78.30	-22.97	Peak	
4	5850.0000	3.58	41.44	45.02	68.30	-23.28	AVG	
5	5860.0000	8.23	41.45	49.68	78.30	-28.62	Peak	
6	5860.0000	0.69	41.45	42.14	68.30	-26.16	AVG	

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

Horizontal

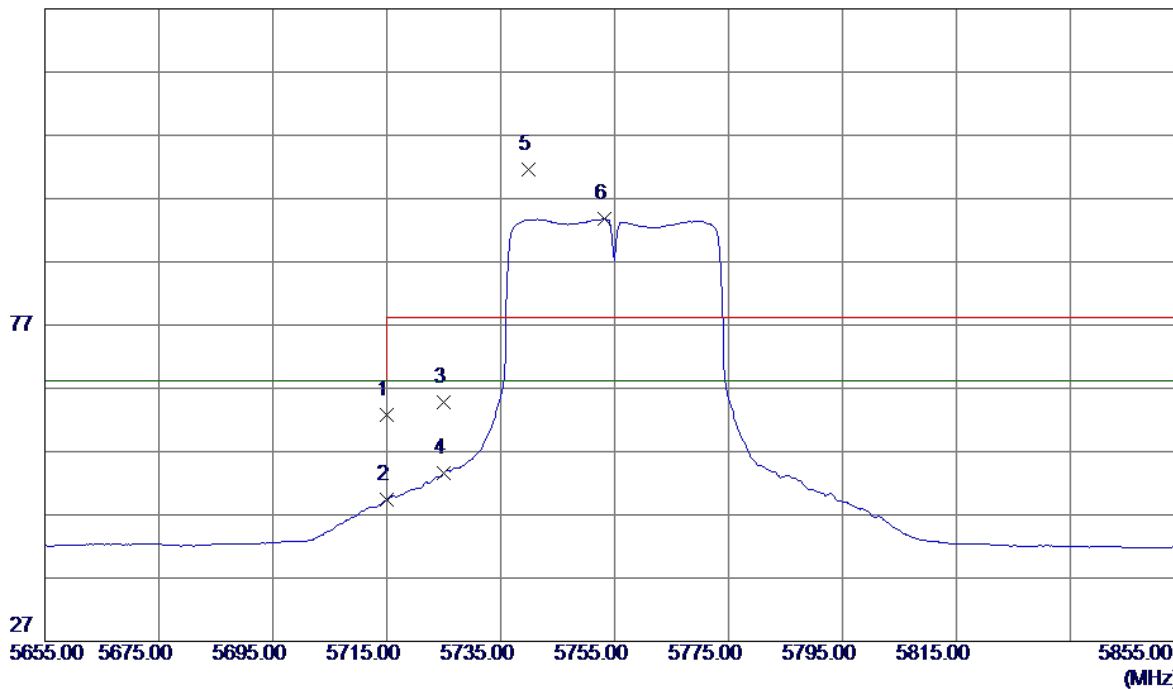


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11650.0300	22.42	17.17	39.59	54.00	-14.41	AVG	
2	11650.1800	34.29	17.17	51.46	68.30	-16.84	Peak	

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

Vertical

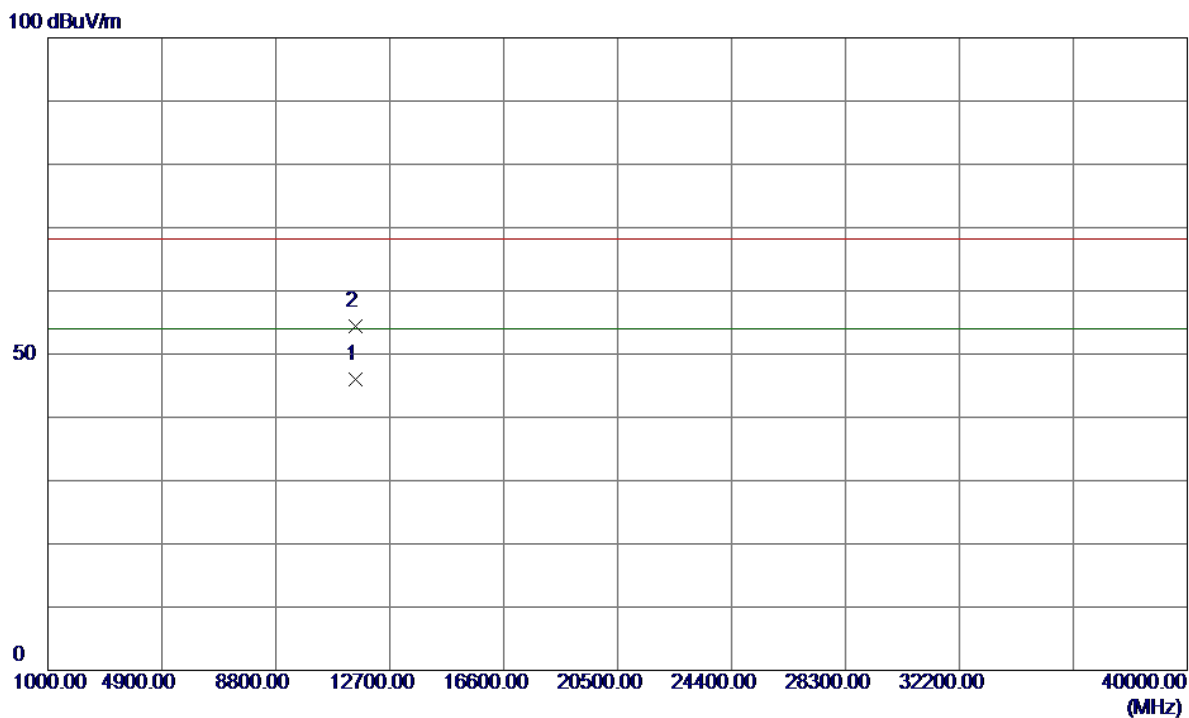
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	21.48	41.25	62.73	68.30	-5.57	Peak	
2	5715.0000	8.10	41.25	49.35	68.30	-18.95	AVG	
3	5725.0000	23.58	41.27	64.85	78.30	-13.45	Peak	
4	5725.0000	12.32	41.27	53.59	68.30	-14.71	AVG	
5	5739.8000	60.24	41.29	101.53	78.30	23.23	Peak	NO limit
6	5753.2000	52.45	41.30	93.75	68.30	25.45	AVG	NO limit

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

Vertical

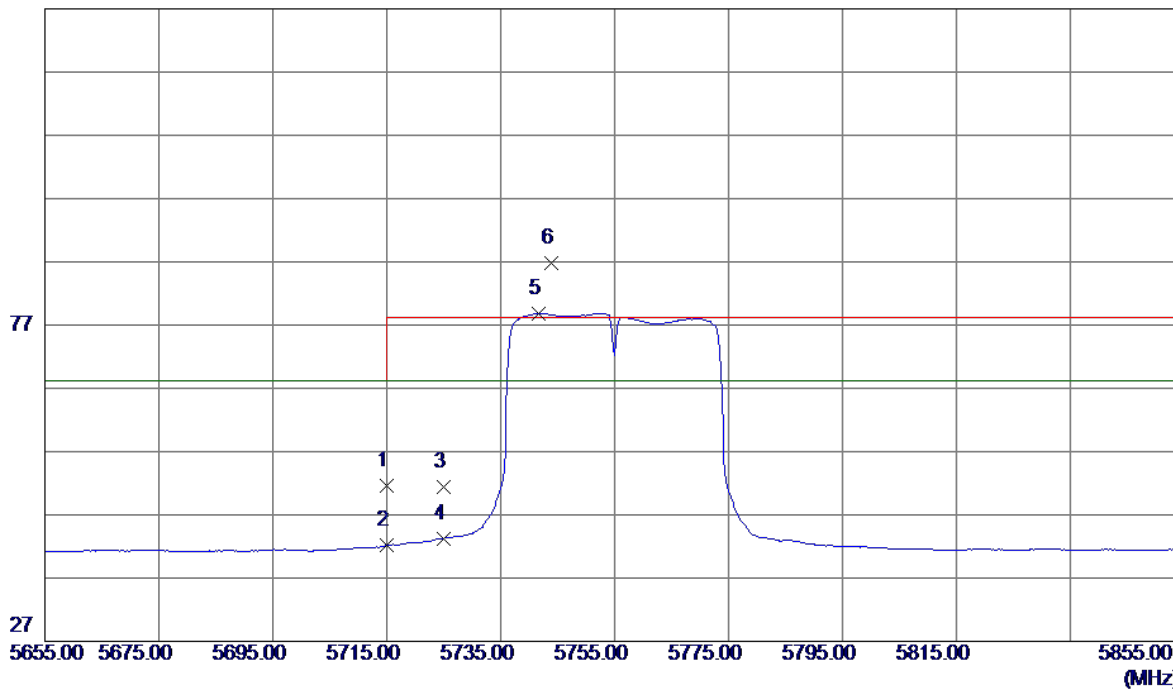


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11509.8600	29.12	16.95	46.07	54.00	-7.93	AVG	
2	11509.9800	37.42	16.95	54.37	68.30	-13.93	Peak	

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

Horizontal

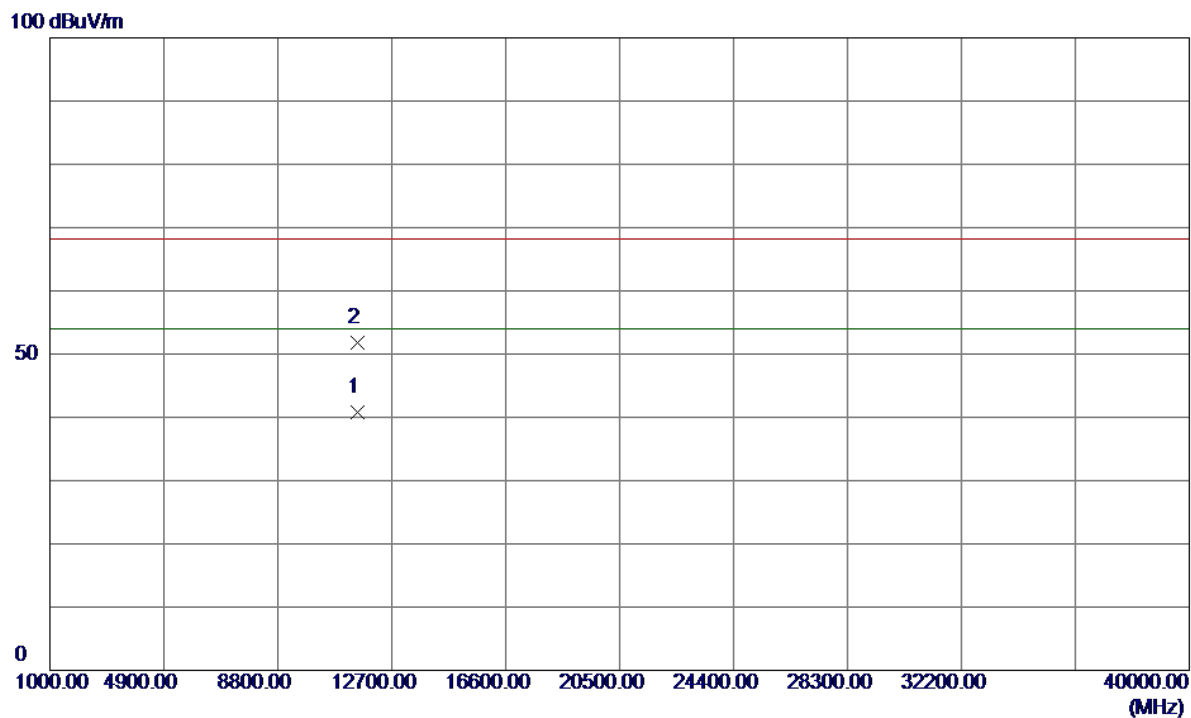
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	10.41	41.25	51.66	68.30	-16.64	Peak	
2	5715.0000	0.86	41.25	42.11	68.30	-26.19	AVG	
3	5725.0000	10.07	41.27	51.34	78.30	-26.96	Peak	
4	5725.0000	1.98	41.27	43.25	68.30	-25.05	AVG	
5	5741.6000	37.53	41.29	78.82	68.30	10.52	AVG	NO limit
6	5743.8000	45.46	41.29	86.75	78.30	8.45	Peak	NO limit

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

Horizontal

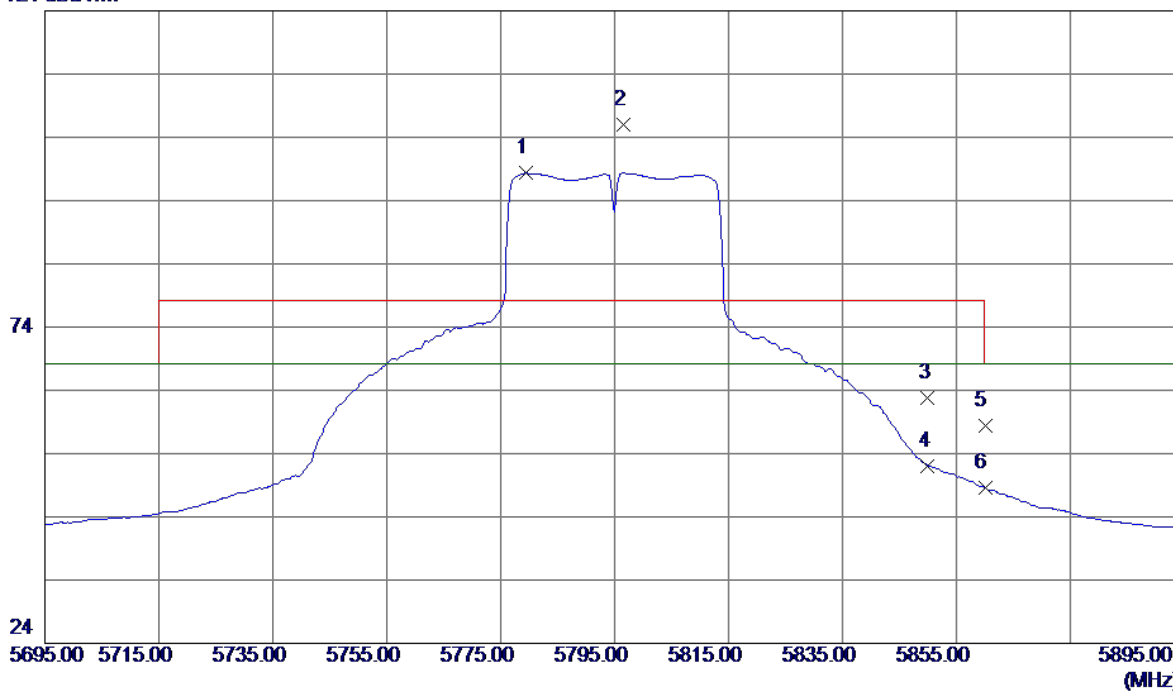


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11509.8600	23.84	16.95	40.79	54.00	-13.21	AVG	
2	11510.1300	34.88	16.95	51.83	68.30	-16.47	Peak	

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

Vertical

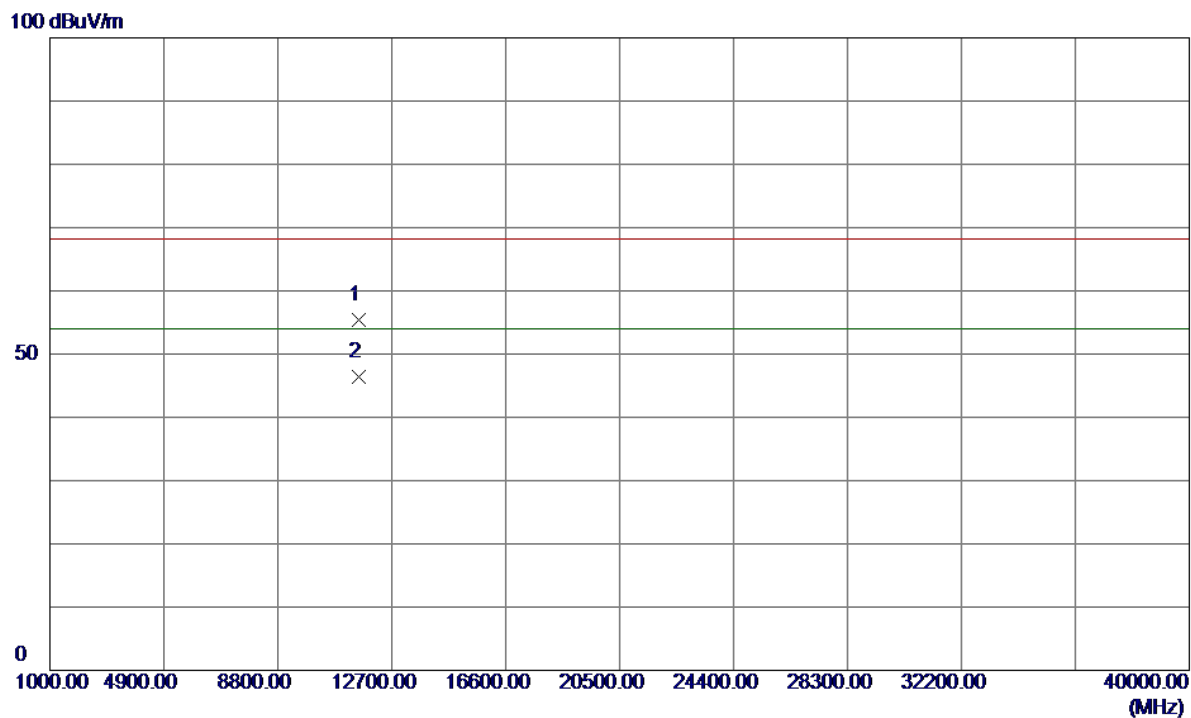
124 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5779.4000	56.98	41.34	98.32	68.30	30.02	AVG	NO limit
2	5796.6000	64.67	41.36	106.03	78.30	27.73	Peak	NO limit
3	5850.0000	21.27	41.44	62.71	78.30	-15.59	Peak	
4	5850.0000	10.63	41.44	52.07	68.30	-16.23	AVG	
5	5860.0000	16.94	41.45	58.39	78.30	-19.91	Peak	
6	5860.0000	7.15	41.45	48.60	68.30	-19.70	AVG	

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

Vertical

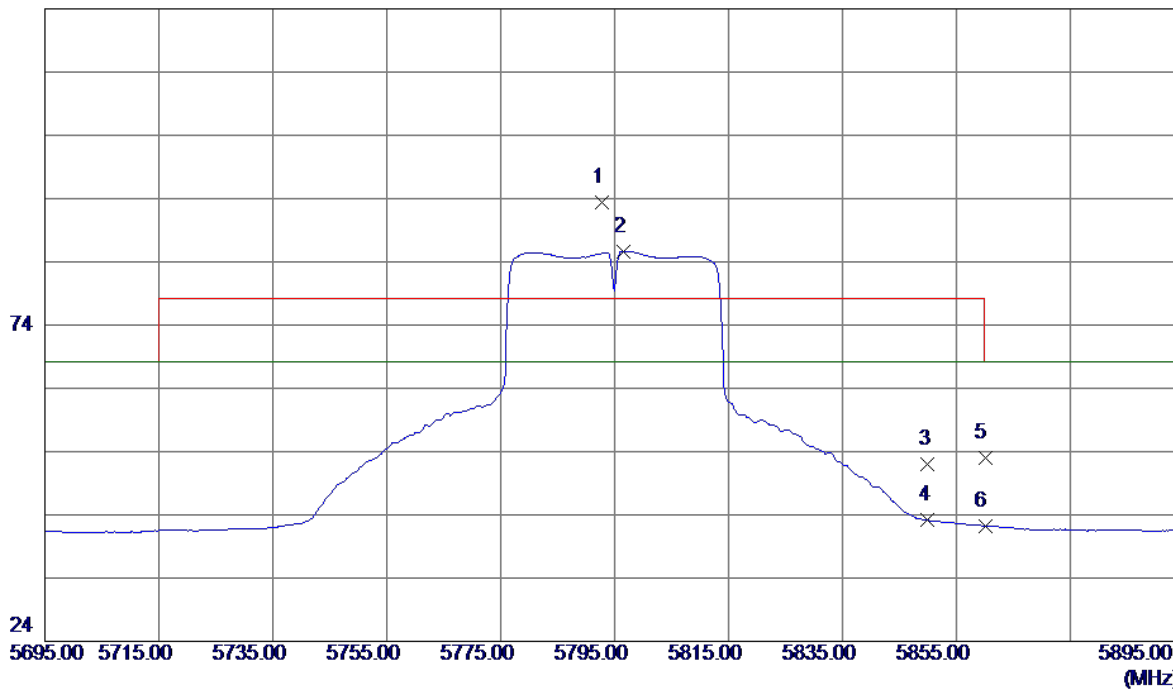


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11589.8600	38.34	17.08	55.42	68.30	-12.88	Peak	
2	11589.8900	29.24	17.08	46.32	54.00	-7.68	AVG	

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

Horizontal

124 dBuV/m

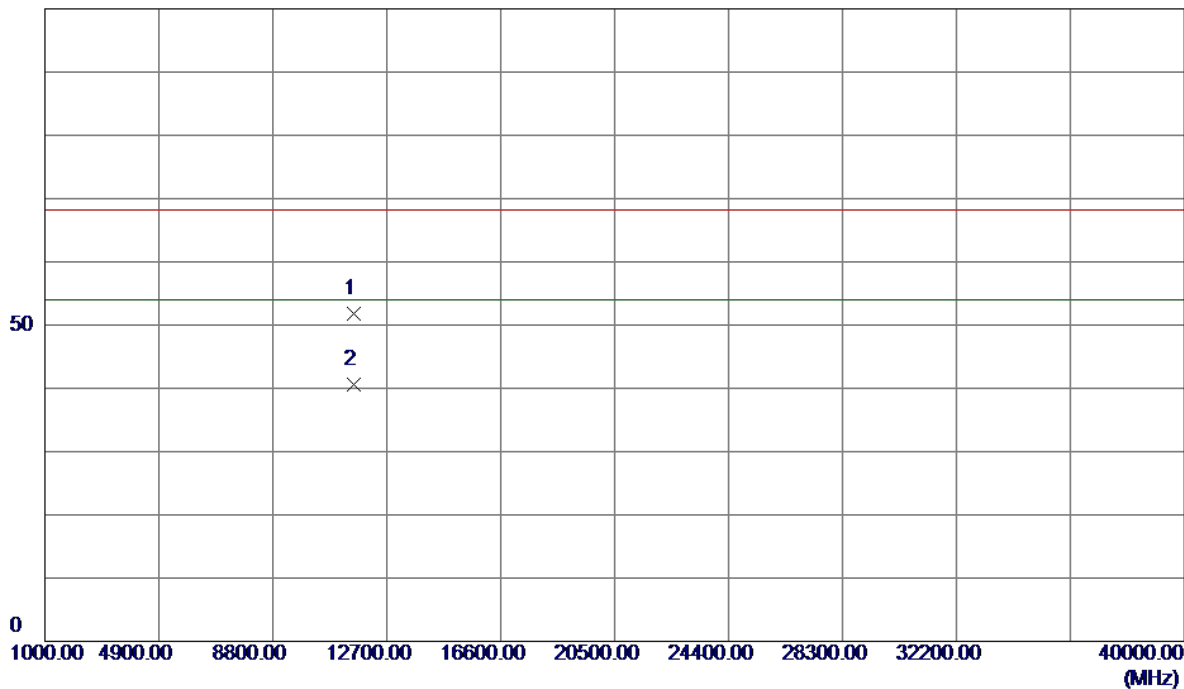


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5792.8000	52.06	41.36	93.42	78.30	15.12	Peak	NO limit
2	5796.6000	44.33	41.36	85.69	68.30	17.39	AVG	NO limit
3	5850.0000	10.47	41.44	51.91	78.30	-26.39	Peak	
4	5850.0000	1.68	41.44	43.12	68.30	-25.18	AVG	
5	5860.0000	11.53	41.45	52.98	78.30	-25.32	Peak	
6	5860.0000	0.81	41.45	42.26	68.30	-26.04	AVG	

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

Horizontal

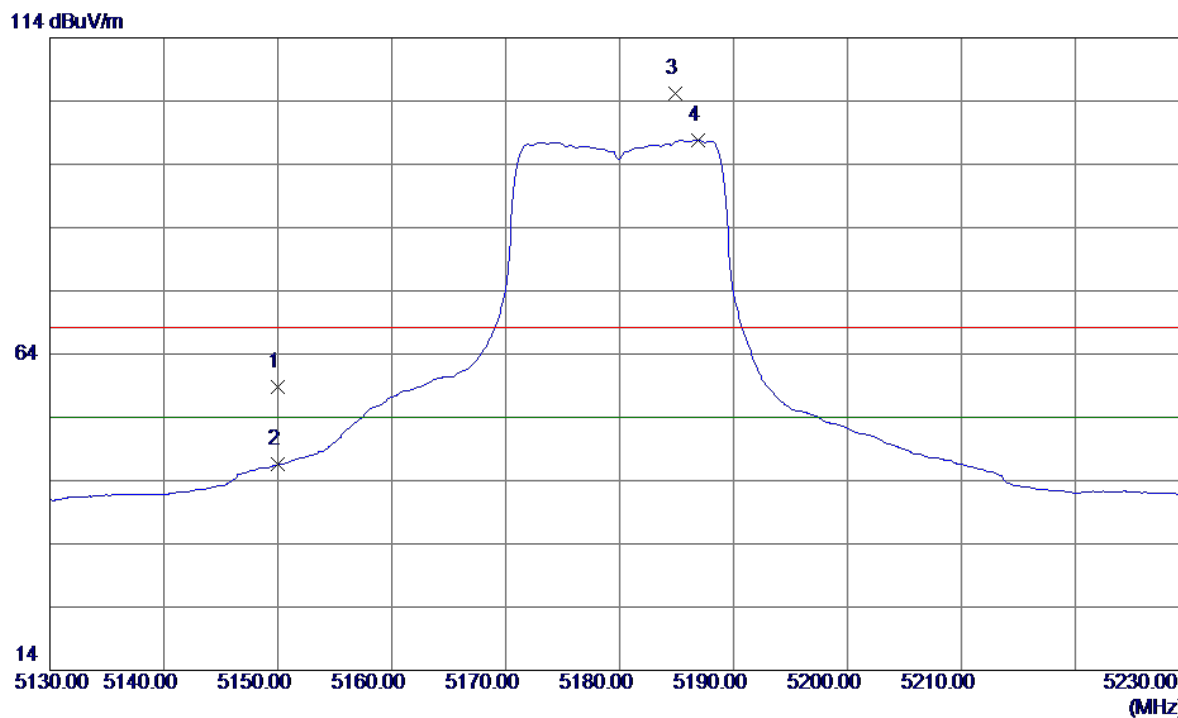
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11589.9700	34.74	17.08	51.82	68.30	-16.48	Peak	
2	11589.9900	23.45	17.08	40.53	54.00	-13.47	AVG	

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

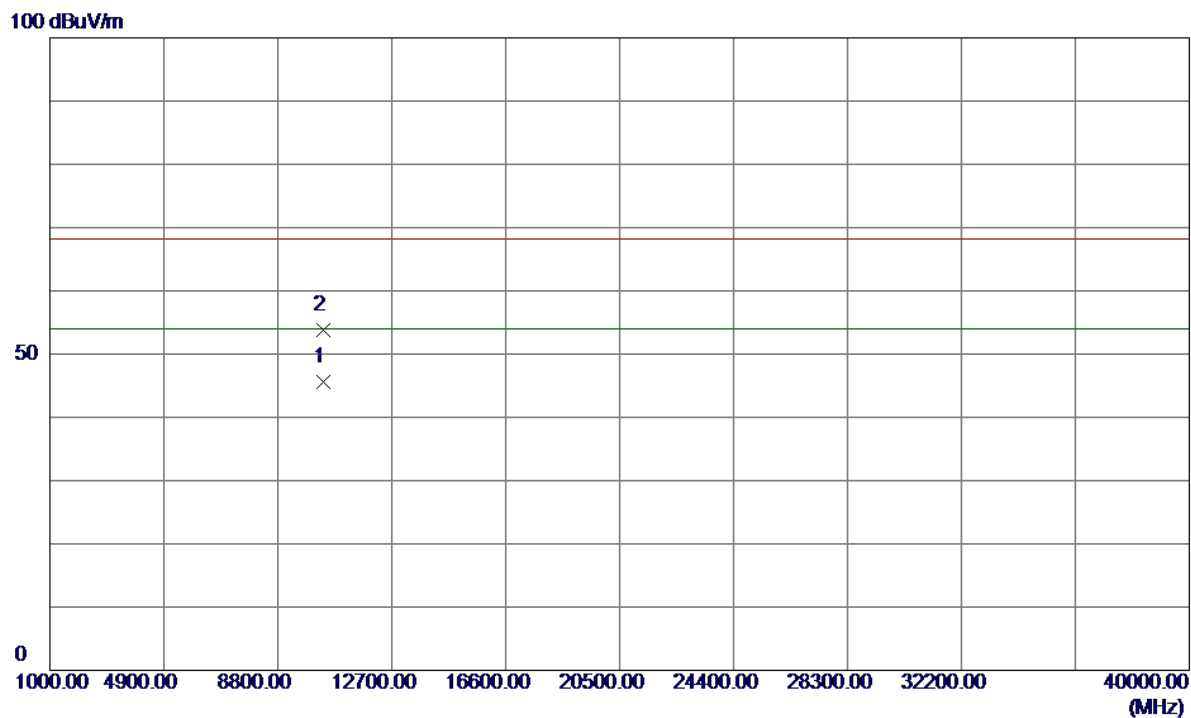
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	18.50	40.22	58.72	68.30	-9.58	Peak	
2	5150.0000	6.30	40.22	46.52	54.00	-7.48	AVG	
3	5184.9000	64.95	40.29	105.24	68.30	36.94	Peak	NO limit
4	5186.9000	57.53	40.30	97.83	54.00	43.83	AVG	NO limit

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

Vertical

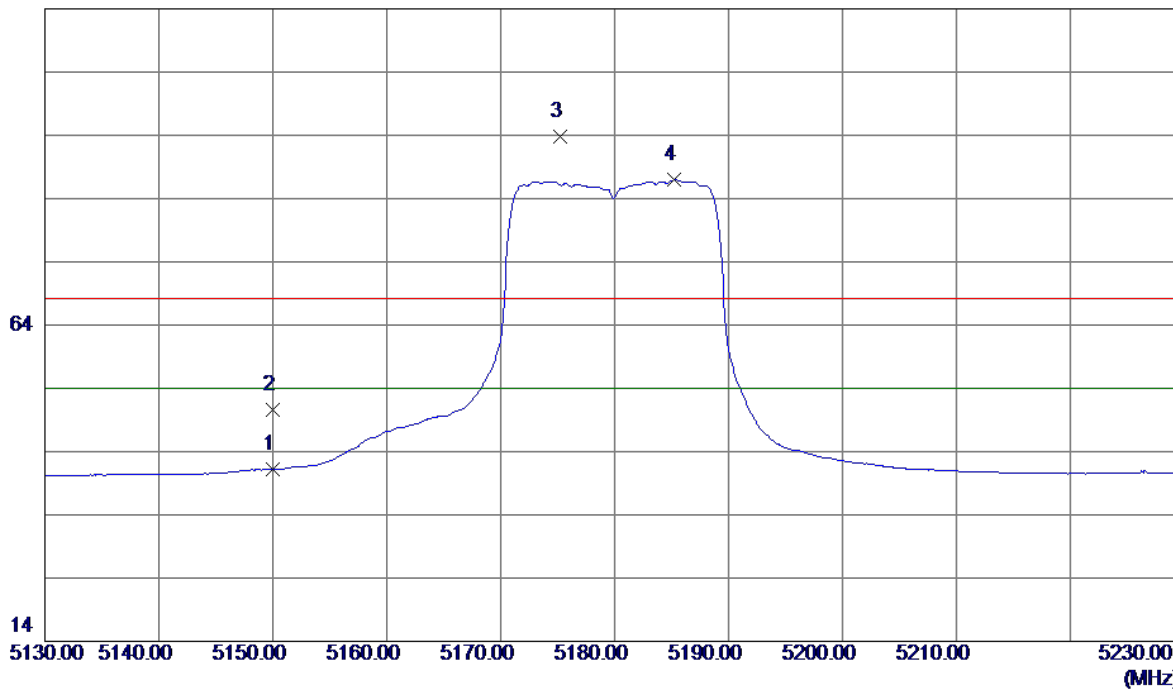


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10359.9000	31.82	13.86	45.68	54.00	-8.32	AVG	
2	10360.0400	39.96	13.86	53.82	68.30	-14.48	Peak	

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

Horizontal

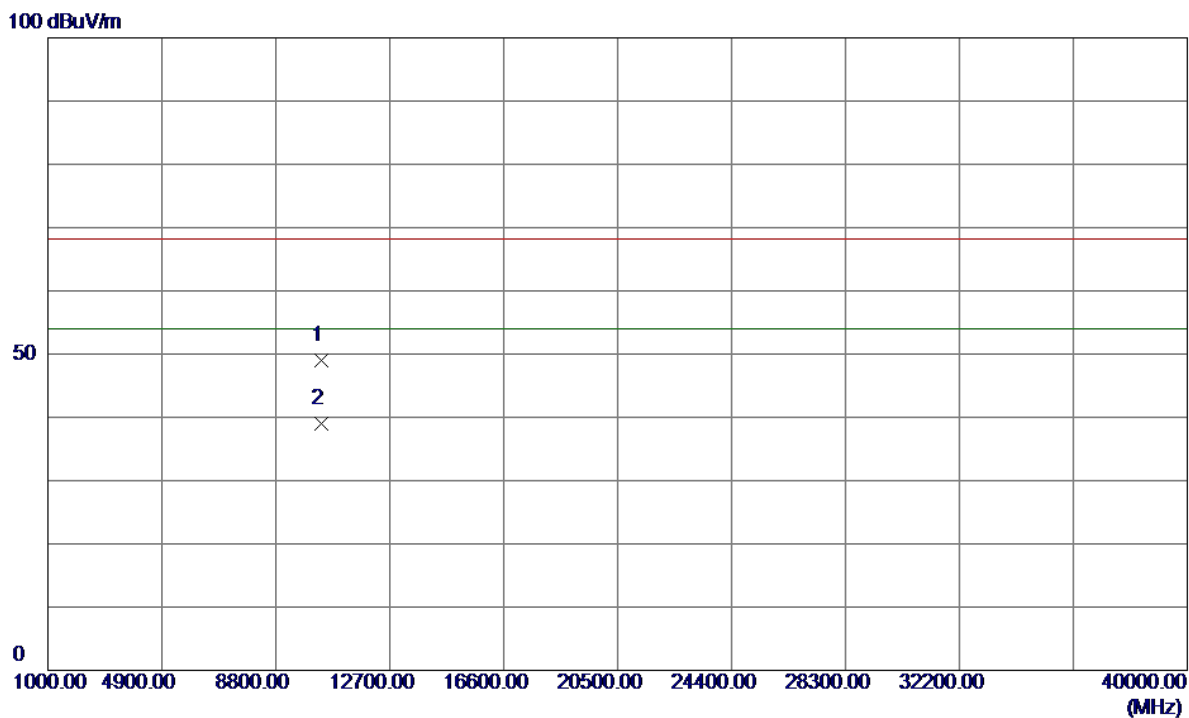
114 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	0.95	40.22	41.17	68.30	-27.13	Peak	
2	5150.0000	10.30	40.22	50.52	68.30	-17.78	Peak	
3	5175.2000	53.47	40.27	93.74	68.30	25.44	Peak	NO limit
4	5185.2000	46.63	40.29	86.92	54.00	32.92	AVG	NO limit

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

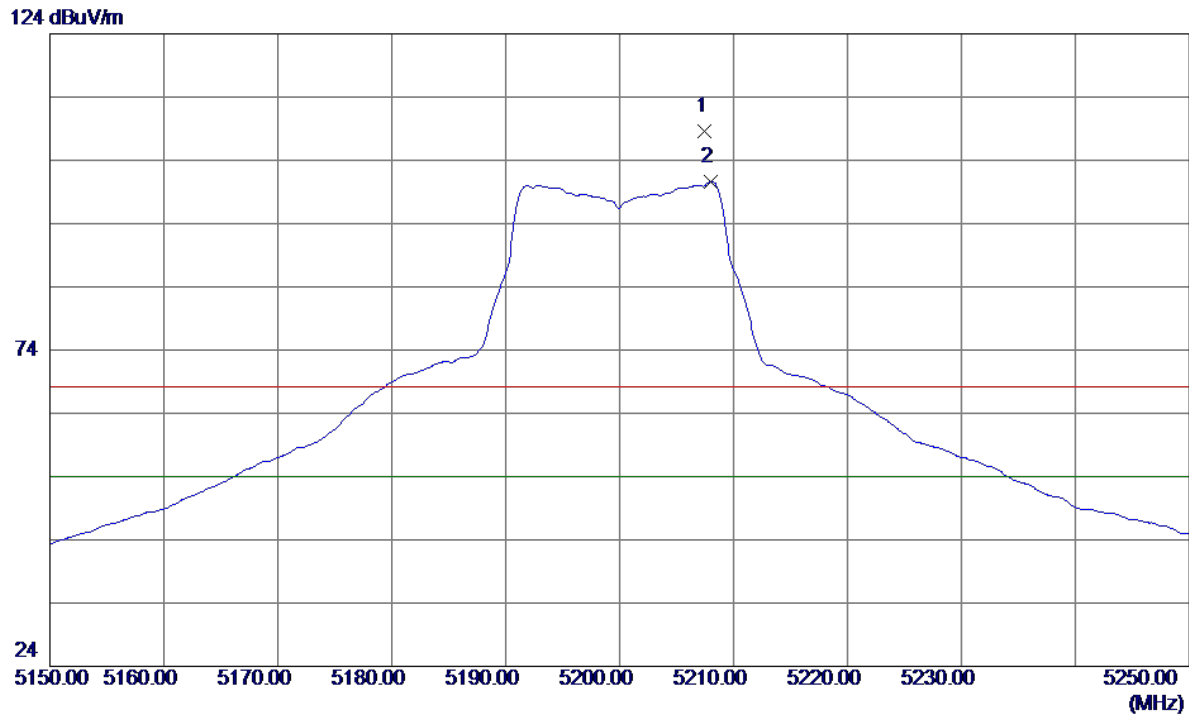
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10359.9900	35.13	13.86	48.99	68.30	-19.31	Peak	
2	10360.0000	25.15	13.86	39.01	54.00	-14.99	AVG	

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

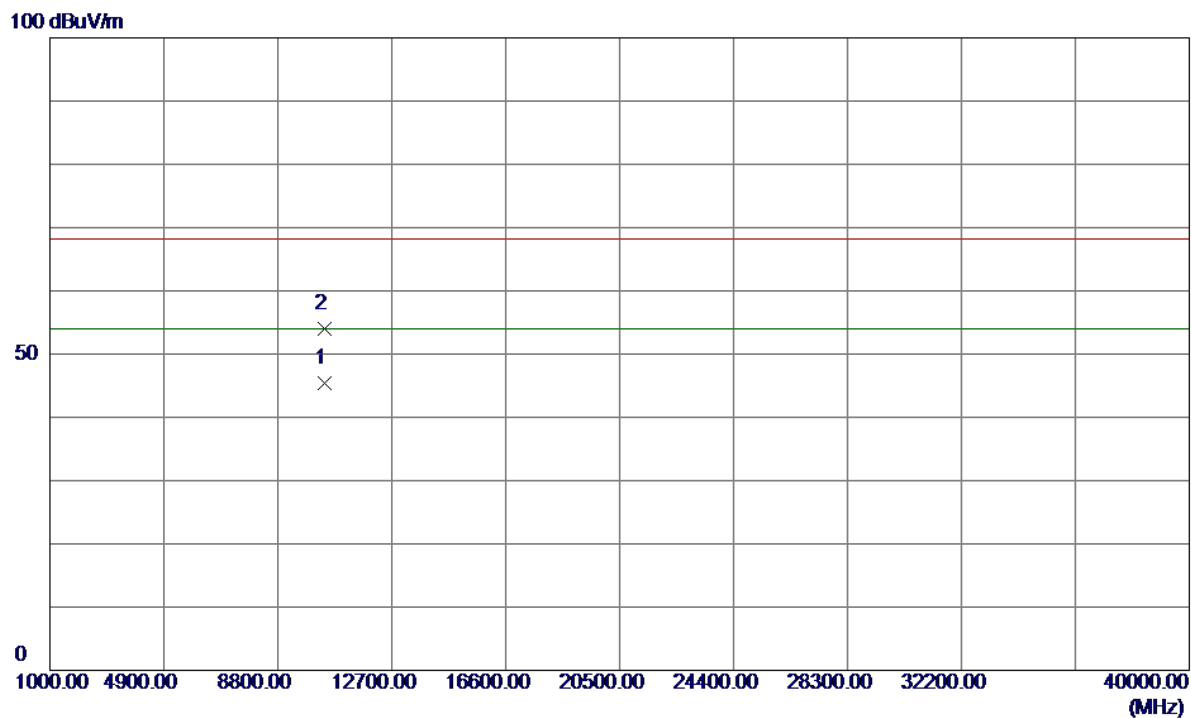
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5207.5000	68.20	40.34	108.54	68.30	40.24	Peak	NO limit
2	5208.0000	60.24	40.34	100.58	54.00	46.58	AVG	NO limit

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

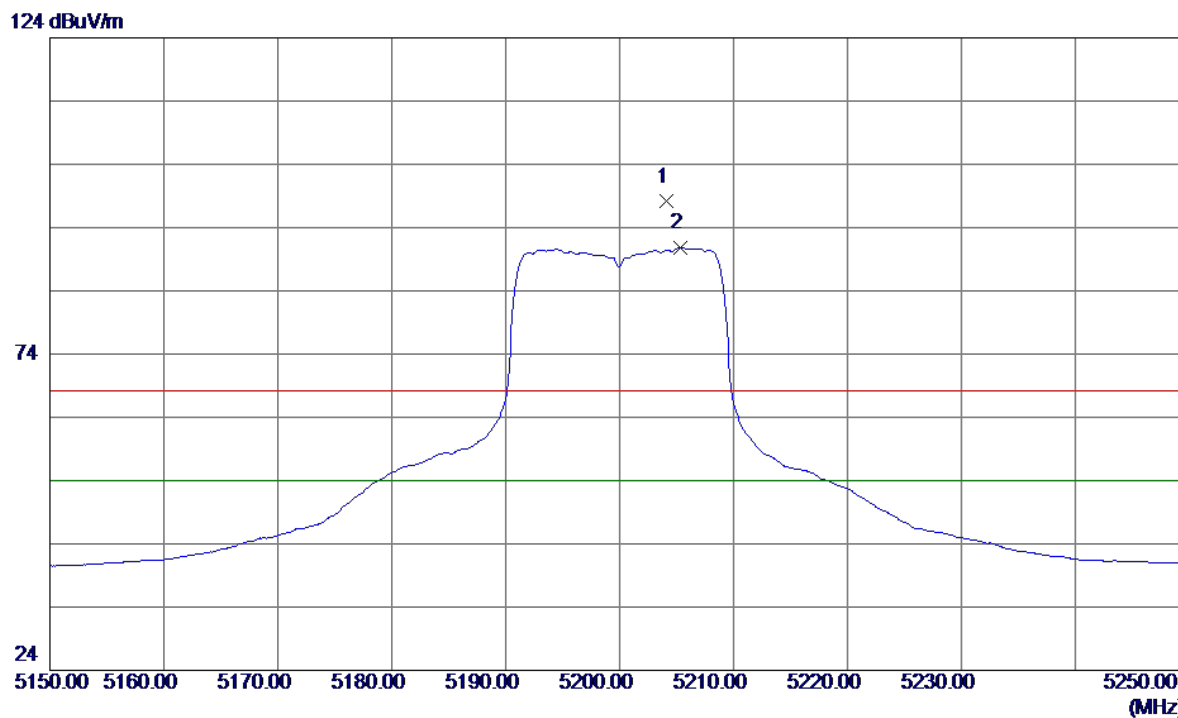
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10399.8800	31.51	13.80	45.31	54.00	-8.69	AVG	
2	10400.0199	40.19	13.80	53.99	68.30	-14.31	Peak	

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

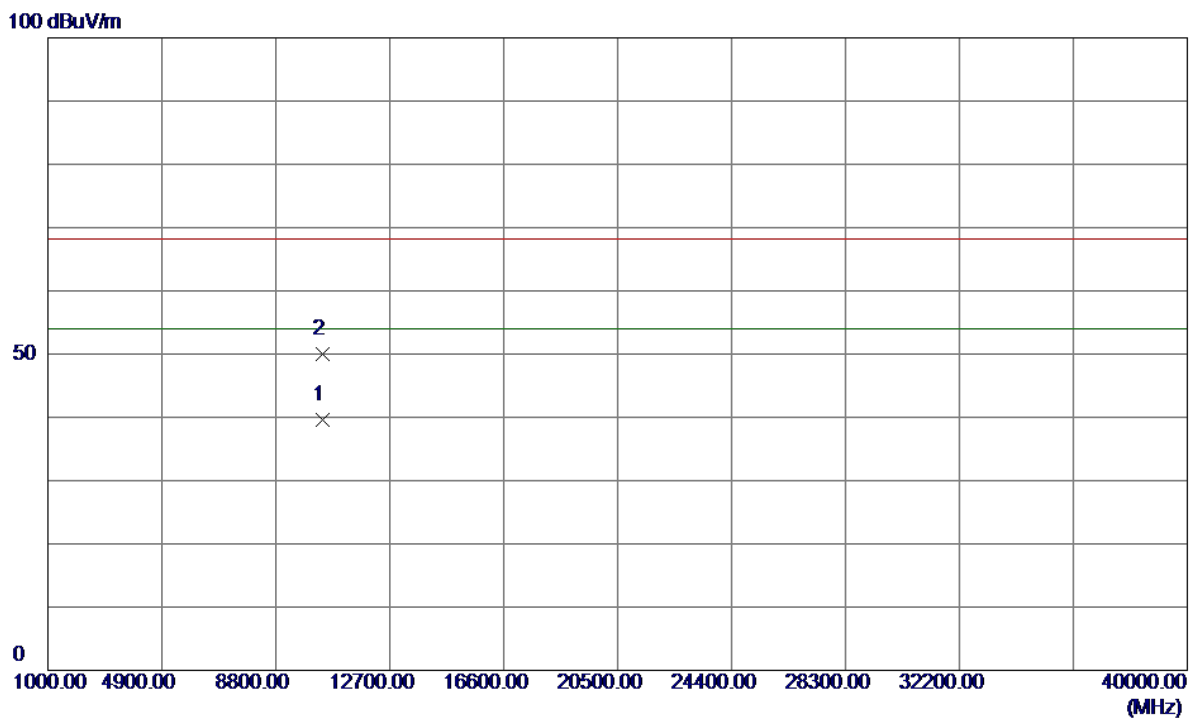
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5204.1000	57.77	40.33	98.10	68.30	29.80	Peak	NO limit
2	5205.3000	50.45	40.34	90.79	54.00	36.79	AVG	NO limit

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

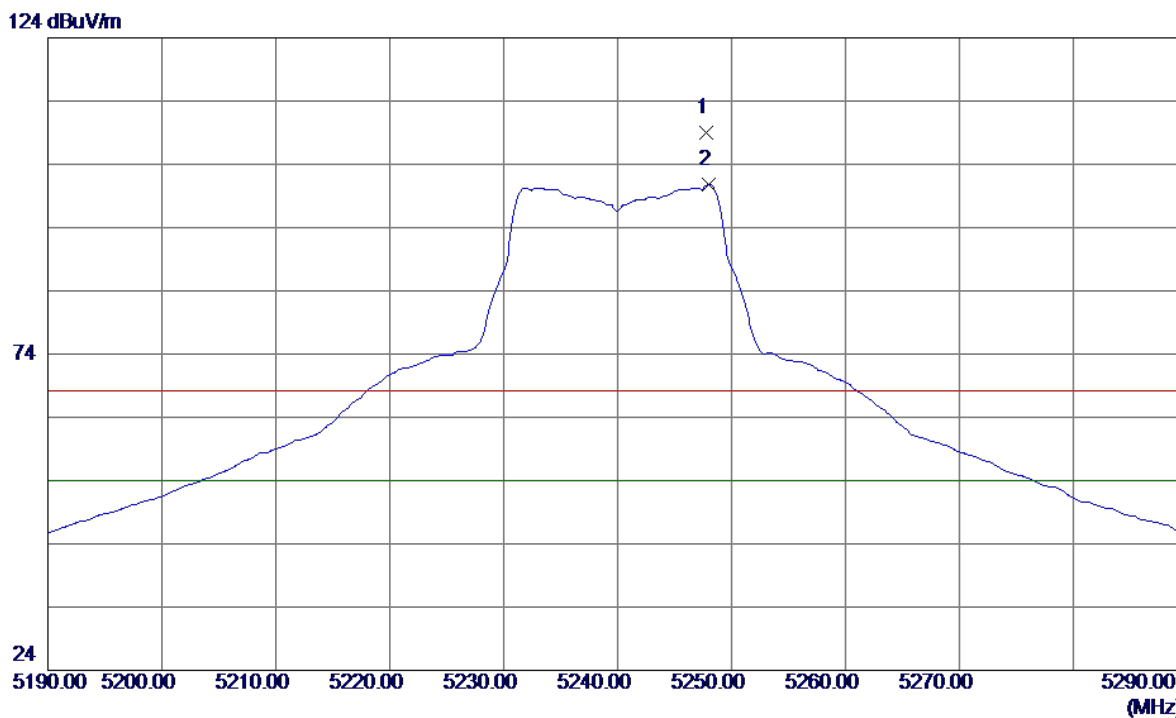
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10399.8900	25.79	13.80	39.59	54.00	-14.41	AVG	
2	10400.1300	36.25	13.80	50.05	68.30	-18.25	Peak	

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

Vertical

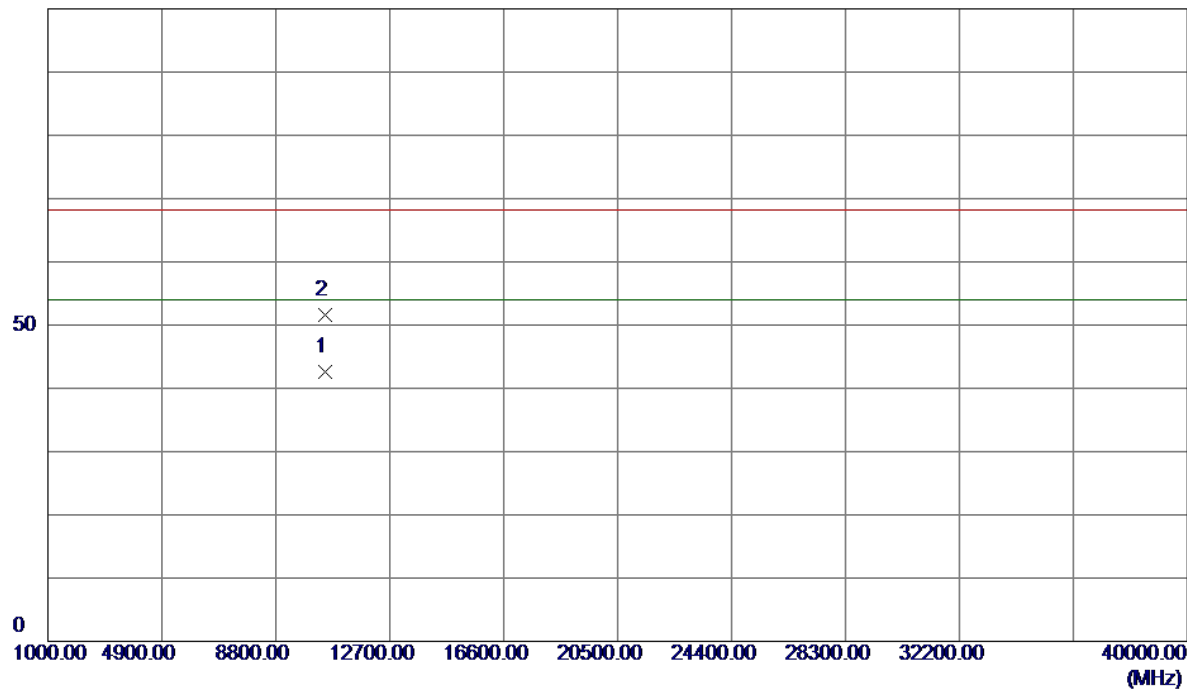


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5247.8000	68.51	40.43	108.94	68.30	40.64	Peak	NO limit
2	5248.0000	60.31	40.43	100.74	54.00	46.74	AVG	NO limit

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

Vertical

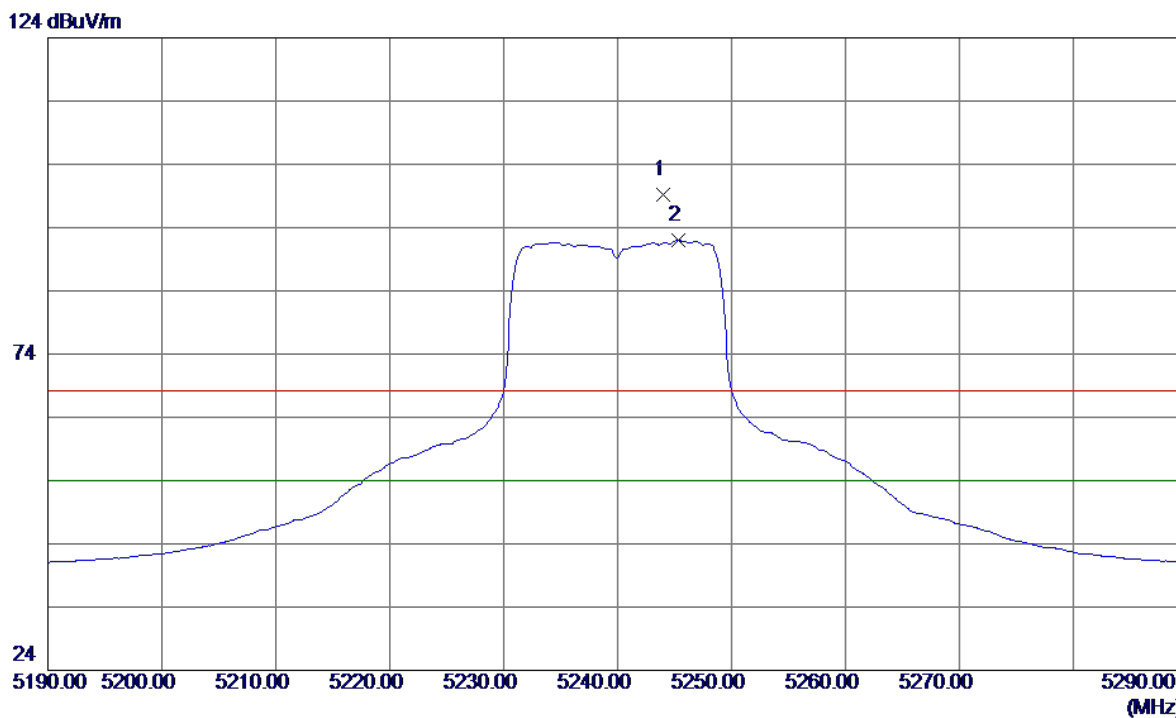
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10479.9000	28.85	13.69	42.54	54.00	-11.46	AVG	
2	10479.9500	37.97	13.69	51.66	68.30	-16.64	Peak	

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

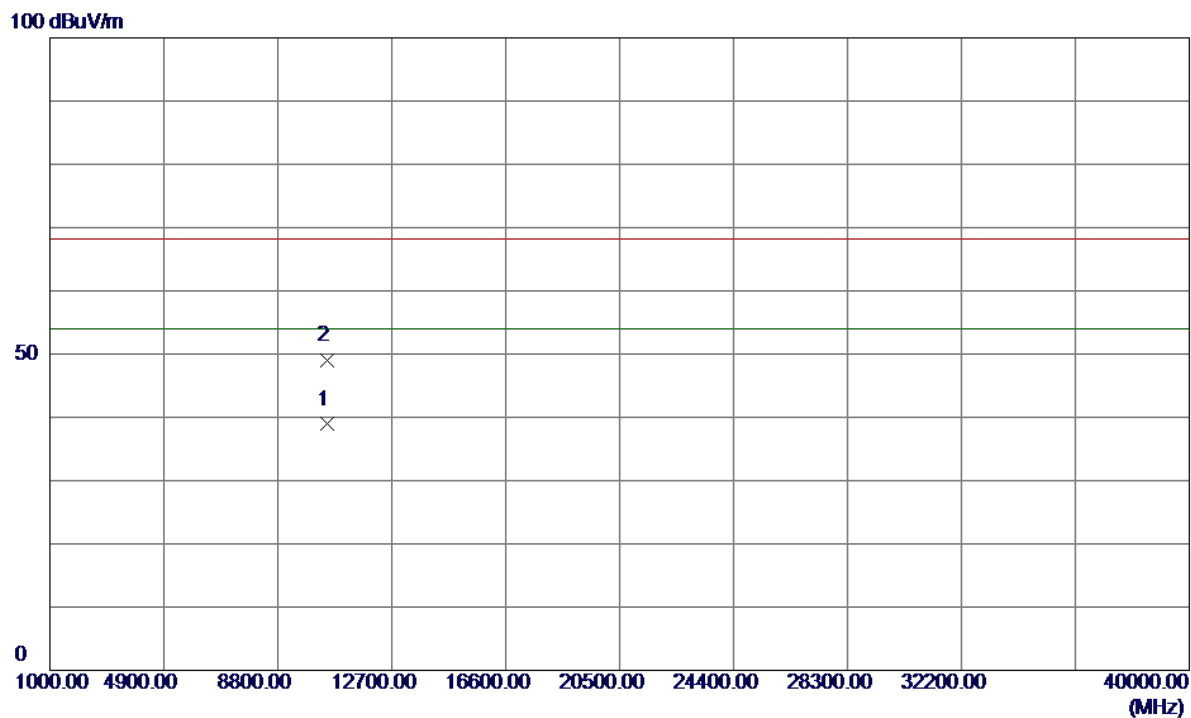
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5244.0000	58.83	40.42	99.25	68.30	30.95	Peak	NO limit
2	5245.3000	51.53	40.42	91.95	54.00	37.95	AVG	NO limit

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

Horizontal

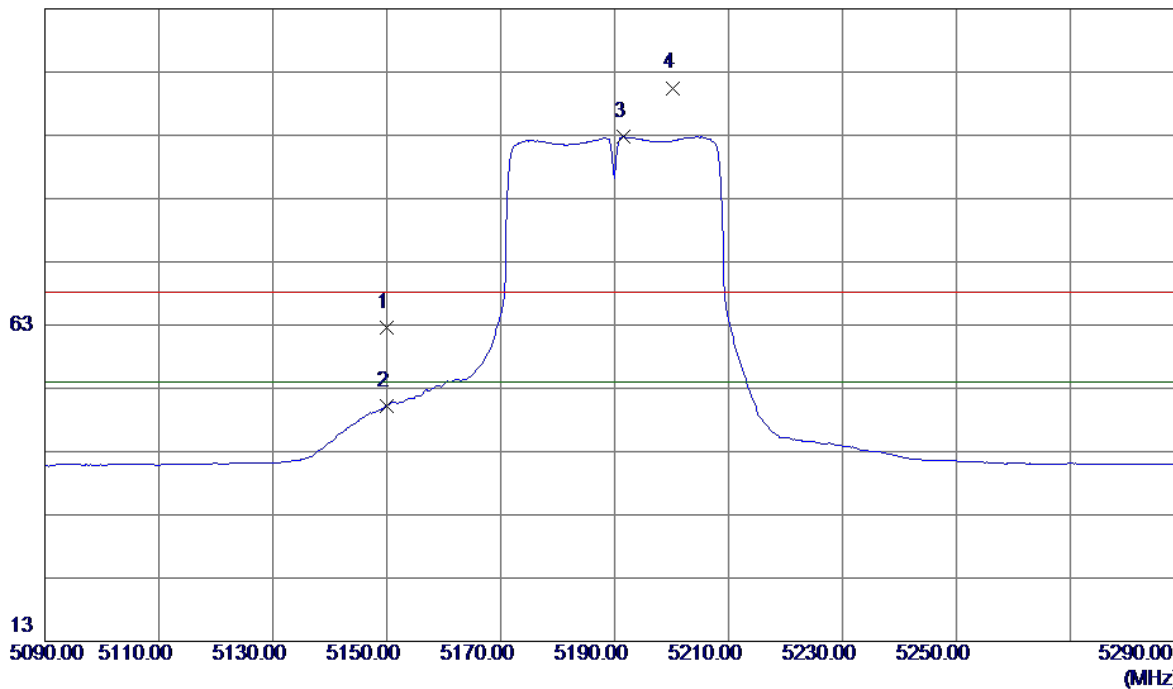


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10479.8099	25.21	13.69	38.90	54.00	-15.10	AVG	
2	10479.9100	35.27	13.69	48.96	68.30	-19.34	Peak	

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

Vertical

113 dBuV/m

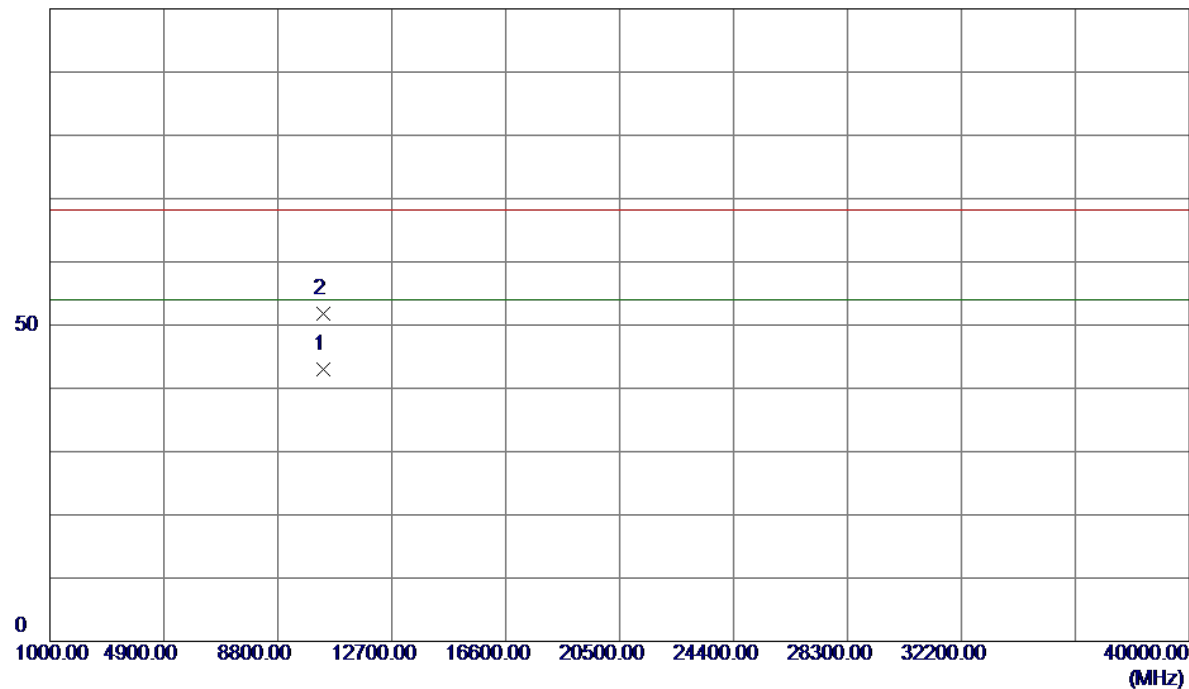


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	22.30	40.22	62.52	68.30	-5.78	Peak	
2	5150.0000	10.07	40.22	50.29	54.00	-3.71	AVG	
3	5191.6000	52.41	40.31	92.72	54.00	38.72	AVG	NO limit
4	5200.2000	60.18	40.32	100.50	68.30	32.20	Peak	NO limit

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

Vertical

100 dBuV/m

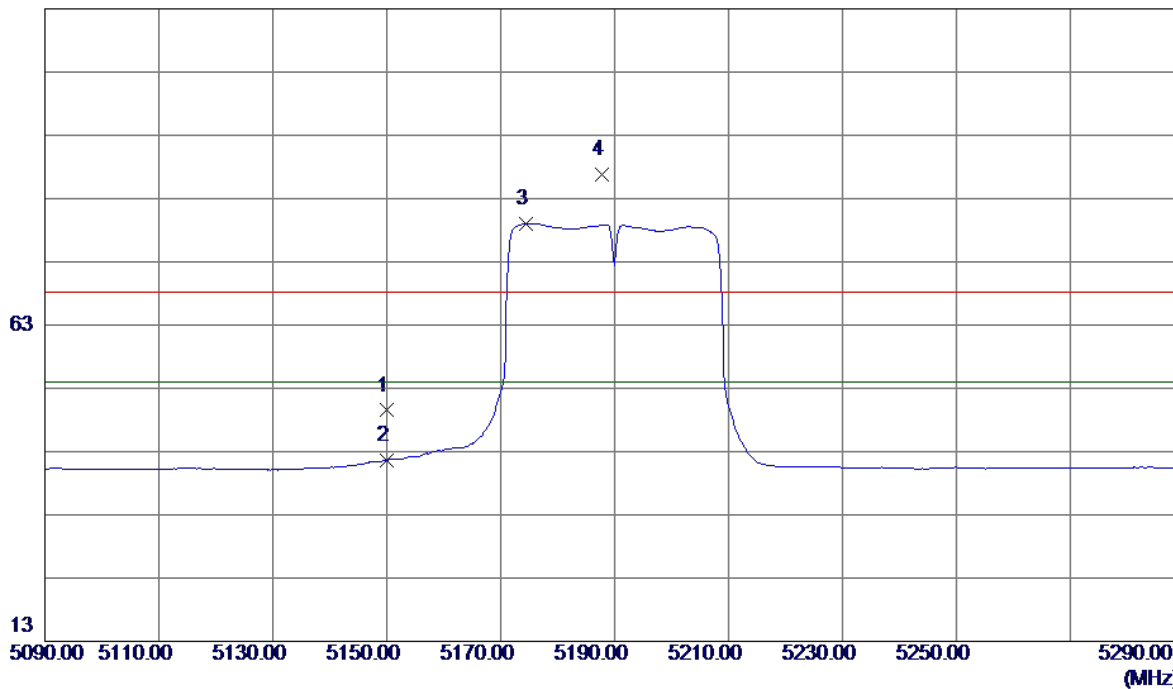


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10379.8700	29.08	13.83	42.91	54.00	-11.09	AVG	
2	10380.0000	37.90	13.83	51.73	68.30	-16.57	Peak	

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

Horizontal

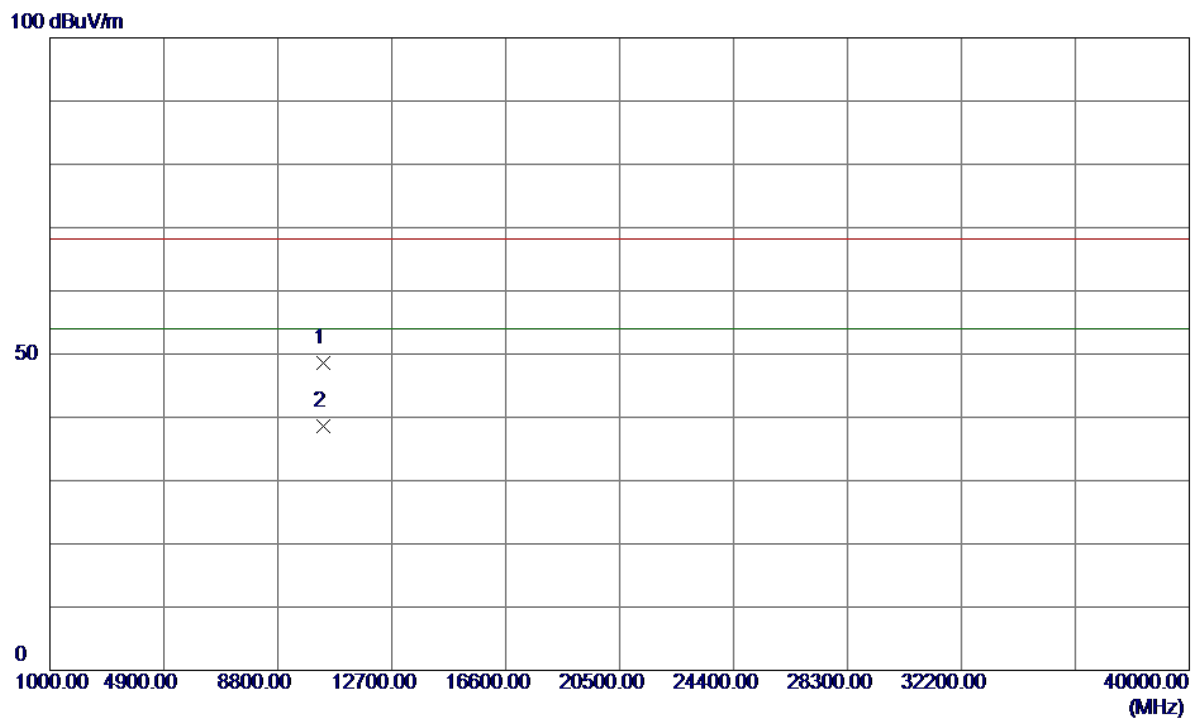
113 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	9.28	40.22	49.50	68.30	-18.80	Peak	
2	5150.0000	1.42	40.22	41.64	54.00	-12.36	AVG	
3	5174.4000	38.79	40.27	79.06	54.00	25.06	AVG	NO limit
4	5187.8000	46.58	40.30	86.88	68.30	18.58	Peak	NO limit

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

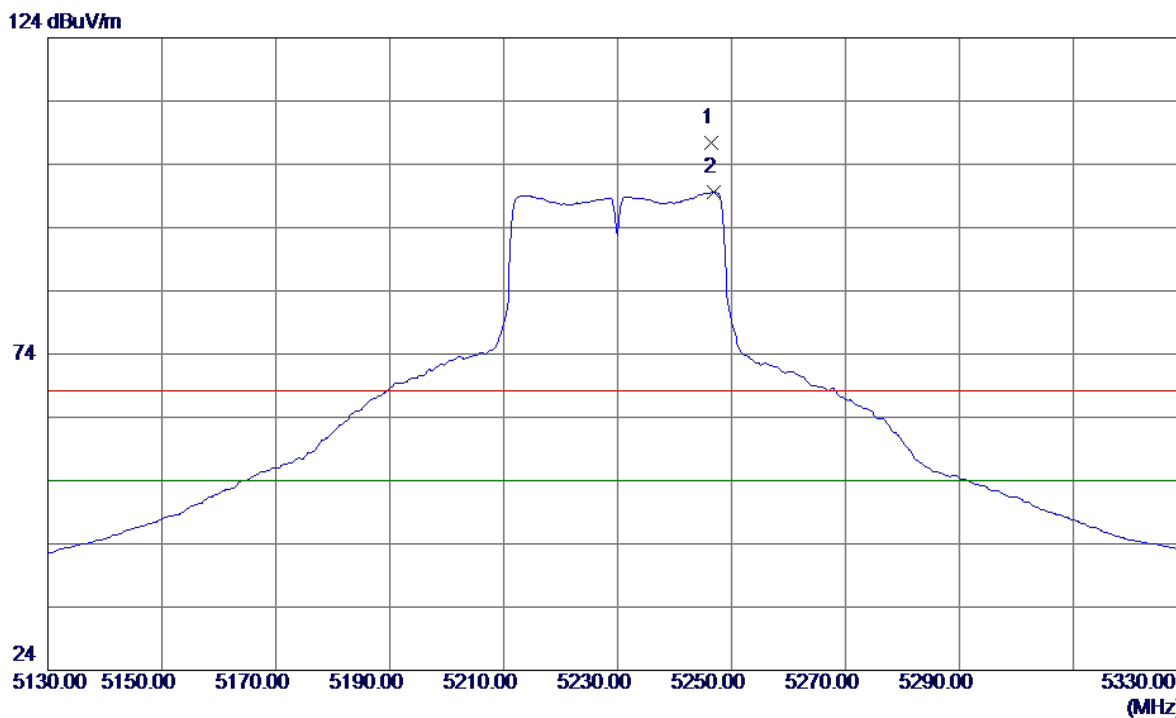
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10379.9700	34.72	13.83	48.55	68.30	-19.75	Peak	
2	10380.0500	24.70	13.83	38.53	54.00	-15.47	AVG	

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

Vertical

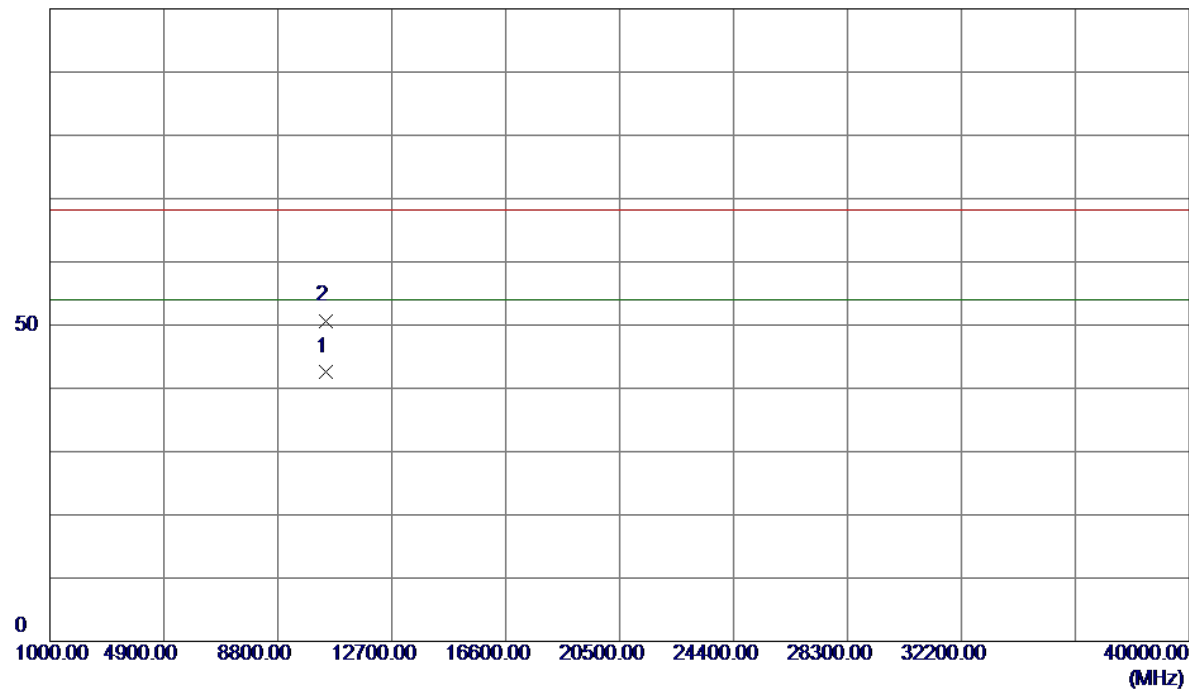


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5246.4000	66.90	40.42	107.32	68.30	39.02	Peak	NO limit
2	5246.8000	59.18	40.42	99.60	54.00	45.60	AVG	NO limit

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

Vertical

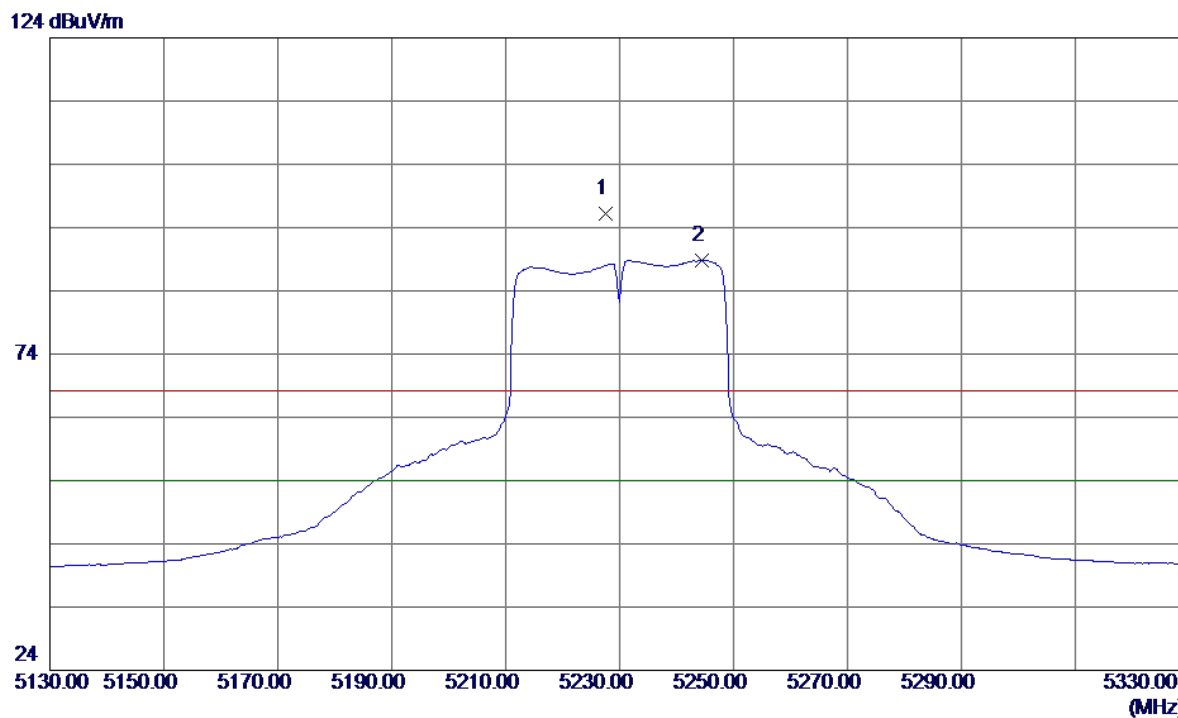
100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10459.8800	28.96	13.72	42.68	54.00	-11.32	AVG	
2	10460.0300	36.98	13.72	50.70	68.30	-17.60	Peak	

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

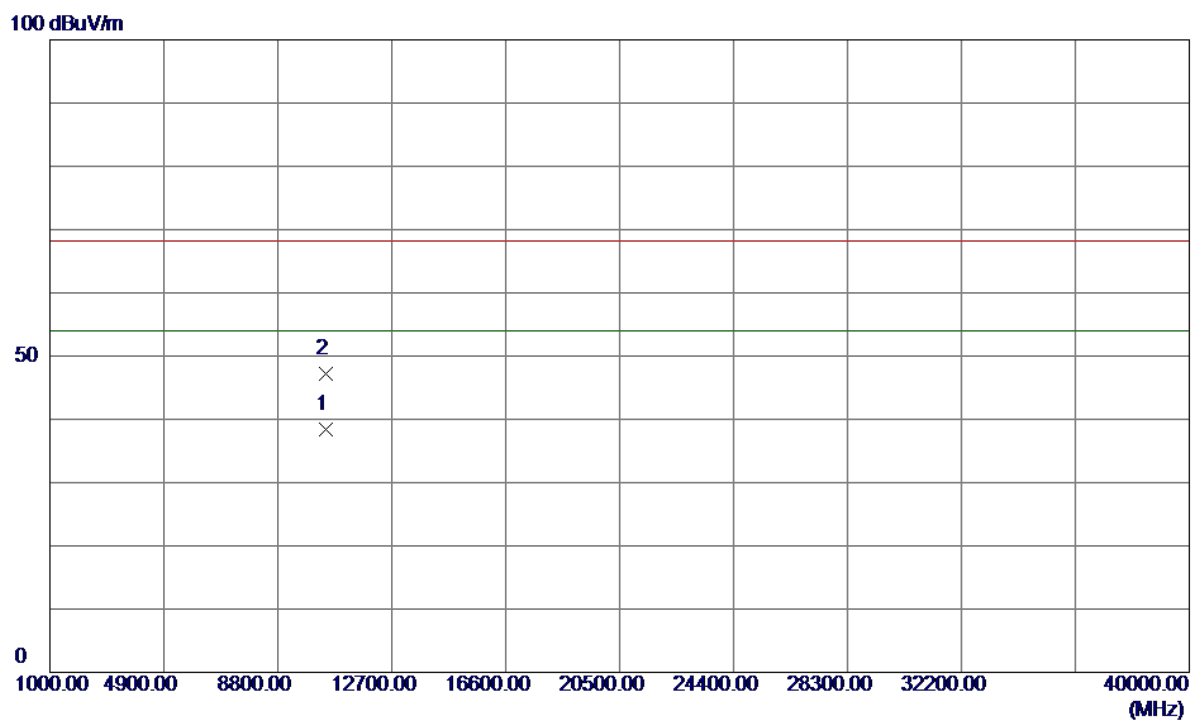
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5227.6000	55.74	40.38	96.12	68.30	27.82	Peak	NO limit
2	5244.4000	48.39	40.42	88.81	54.00	34.81	AVG	NO limit

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

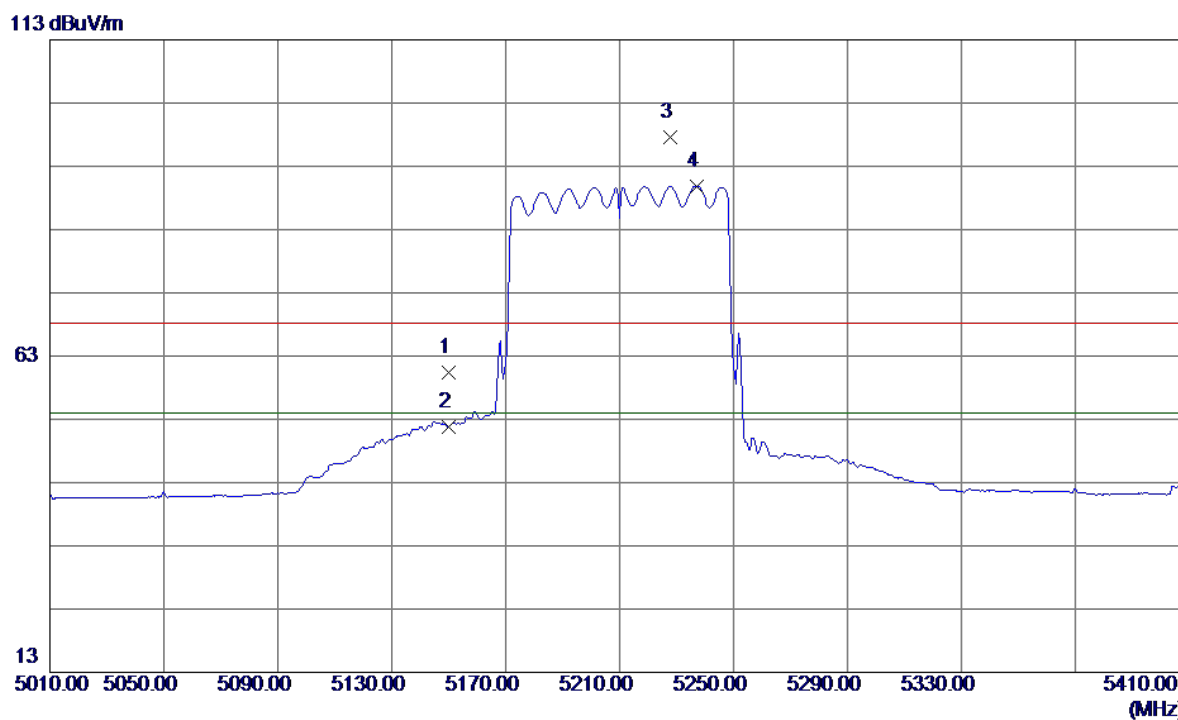
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10459.8900	24.64	13.72	38.36	54.00	-15.64	AVG	
2	10460.0100	33.45	13.72	47.17	68.30	-21.13	Peak	

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

Vertical

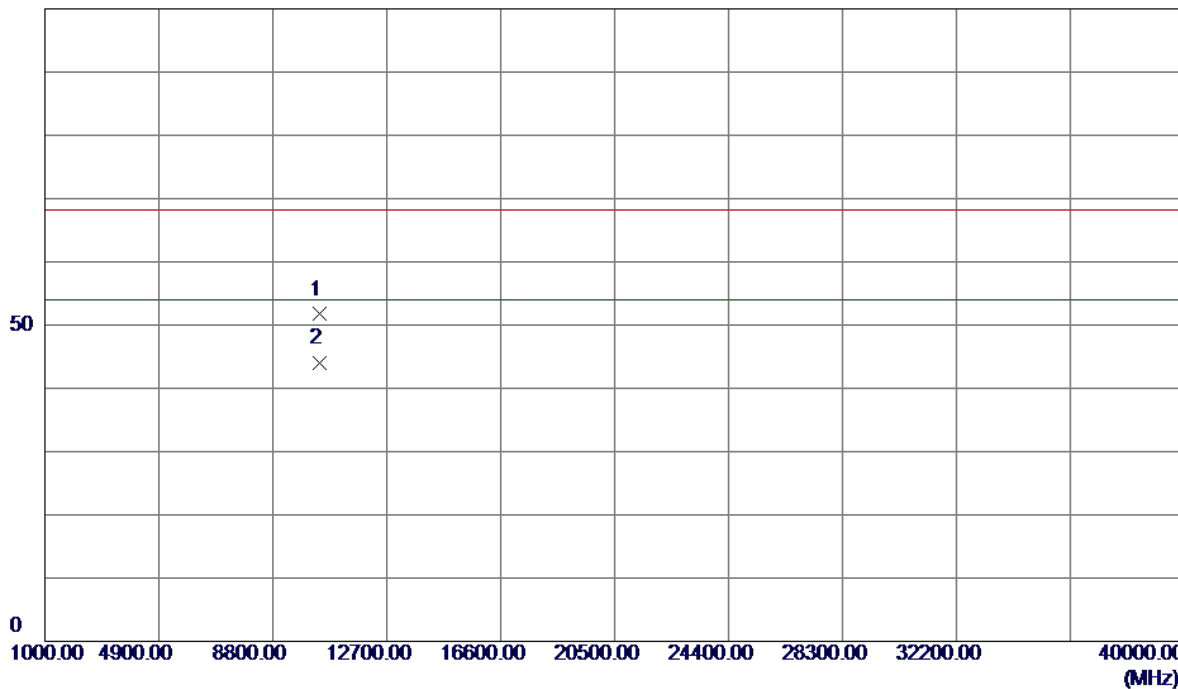


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	20.17	40.22	60.39	68.30	-7.91	Peak	
2	5150.0000	11.58	40.22	51.80	54.00	-2.20	AVG	
3	5227.6000	57.14	40.38	97.52	68.30	29.22	Peak	NO limit
4	5237.2000	49.49	40.40	89.89	54.00	35.89	AVG	NO limit

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

Vertical

100 dBuV/m

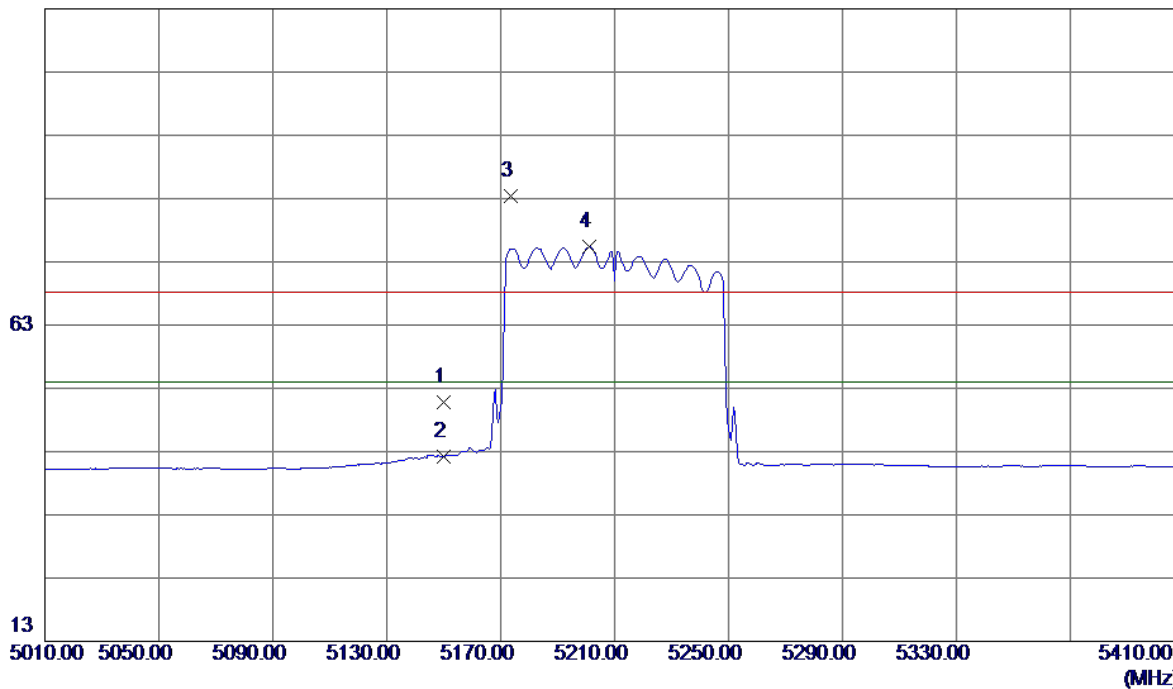


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10419.8800	37.93	13.77	51.70	68.30	-16.60	Peak	
2	10419.9000	30.26	13.77	44.03	54.00	-9.97	AVG	

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

Horizontal

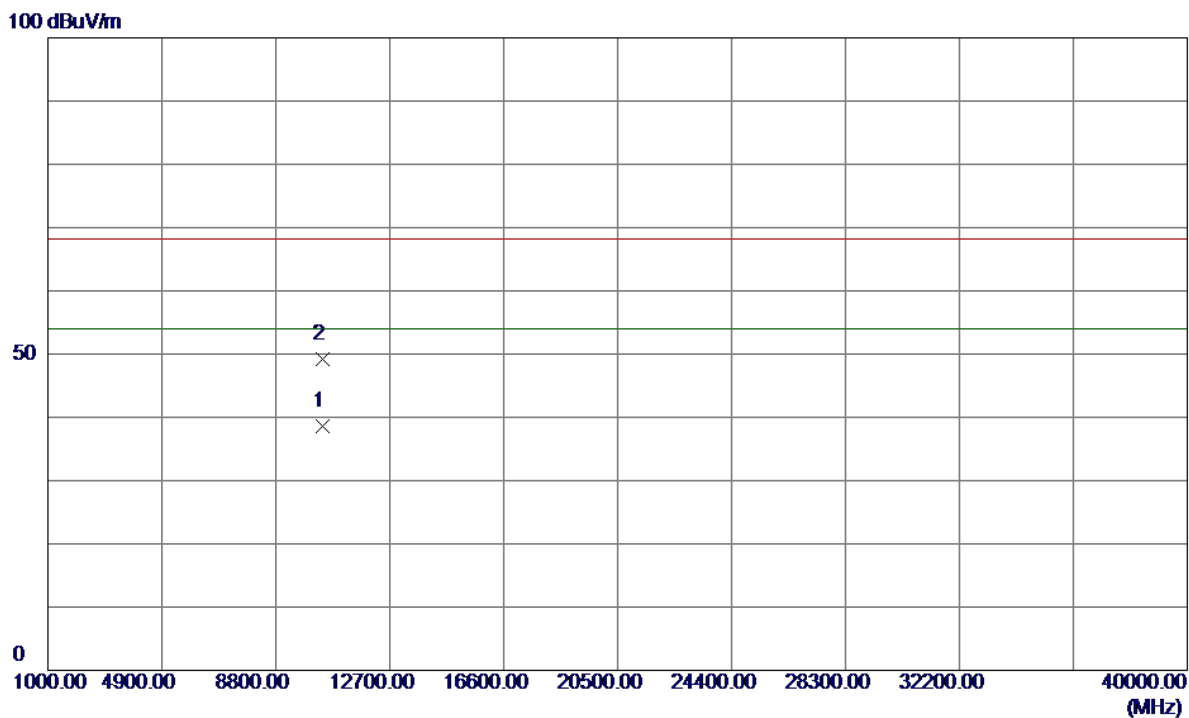
113 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5150.0000	10.61	40.22	50.83	68.30	-17.47	Peak	
2	5150.0000	1.96	40.22	42.18	54.00	-11.82	AVG	
3	5173.6000	43.18	40.27	83.45	68.30	15.15	Peak	NO limit
4	5201.2000	35.00	40.33	75.33	54.00	21.33	AVG	NO limit

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

Horizontal

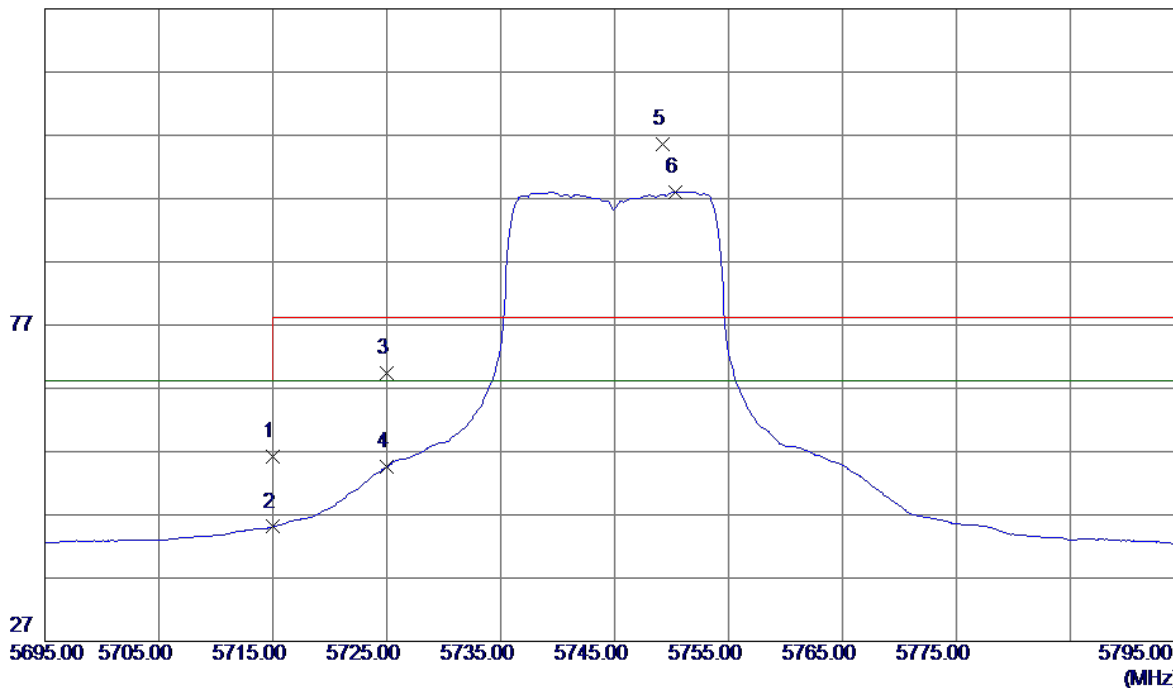


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	10420.0100	24.81	13.77	38.58	54.00	-15.42	AVG	
2	10420.0700	35.40	13.77	49.17	68.30	-19.13	Peak	

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

Vertical

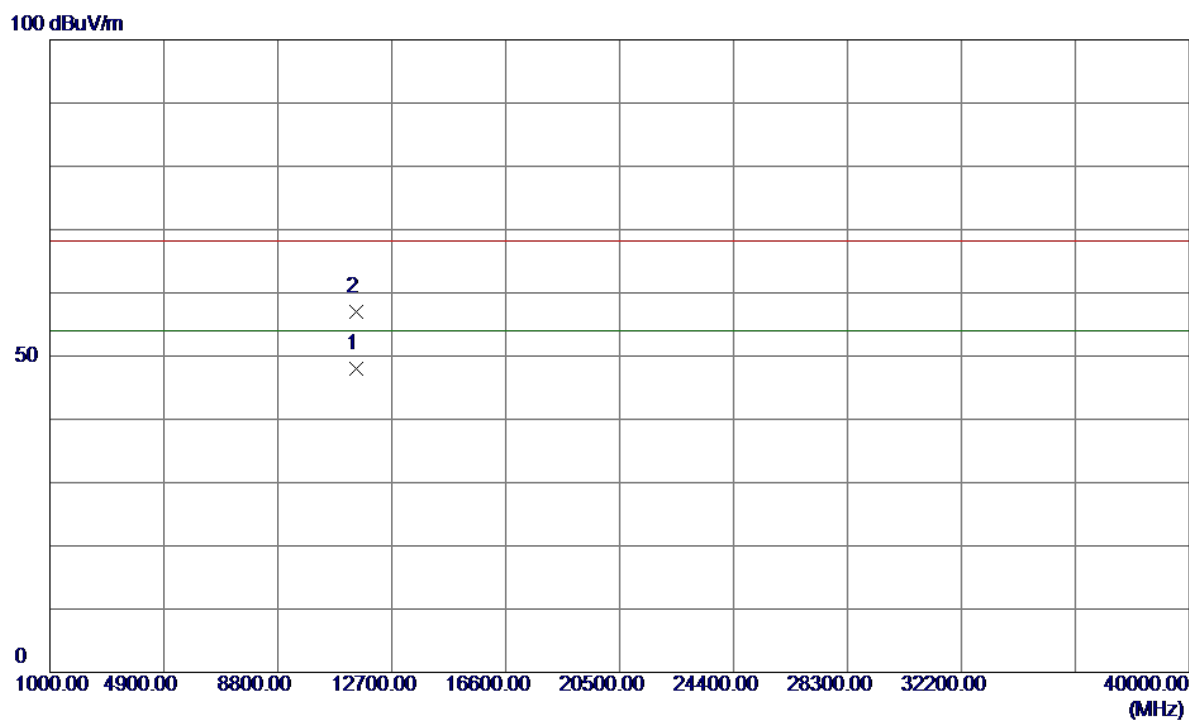
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	14.97	41.25	56.22	68.30	-12.08	Peak	
2	5715.0000	3.85	41.25	45.10	68.30	-23.20	AVG	
3	5725.0000	28.20	41.27	69.47	78.30	-8.83	Peak	
4	5725.0000	13.29	41.27	54.56	68.30	-13.74	AVG	
5	5749.2000	64.23	41.30	105.53	78.30	27.23	Peak	NO limit
6	5750.3000	56.78	41.30	98.08	68.30	29.78	AVG	NO limit

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

Vertical

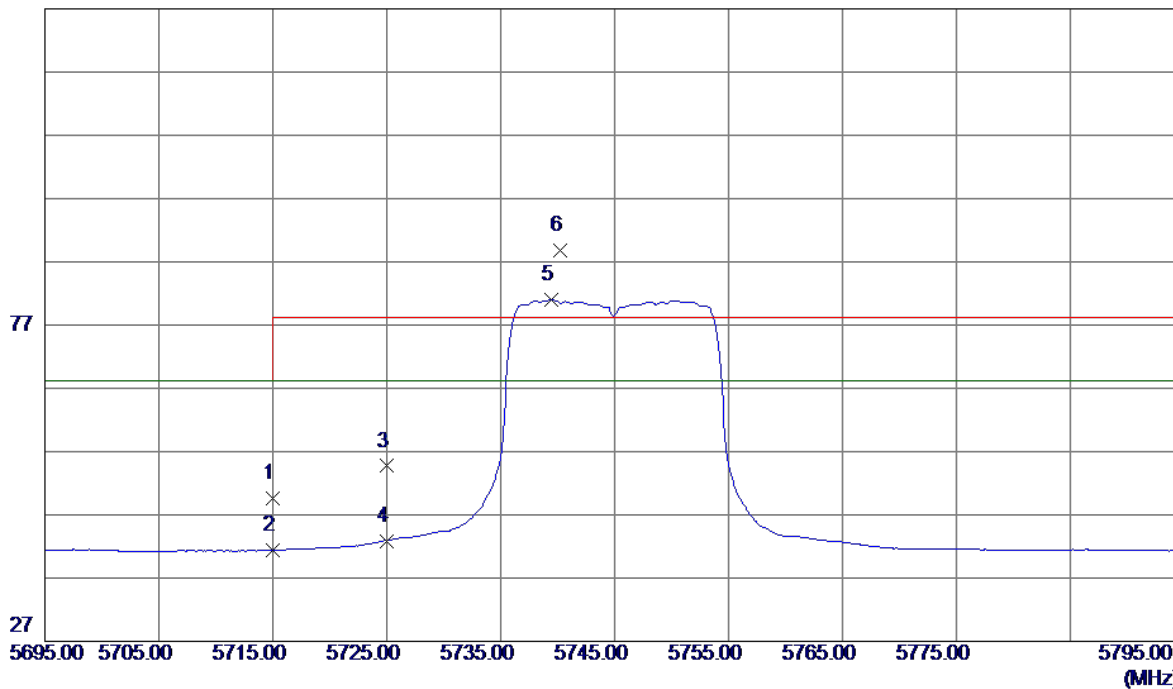


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11489.8600	31.06	16.91	47.97	54.00	-6.03	AVG	
2	11490.0000	40.13	16.91	57.04	68.30	-11.26	Peak	

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

Horizontal

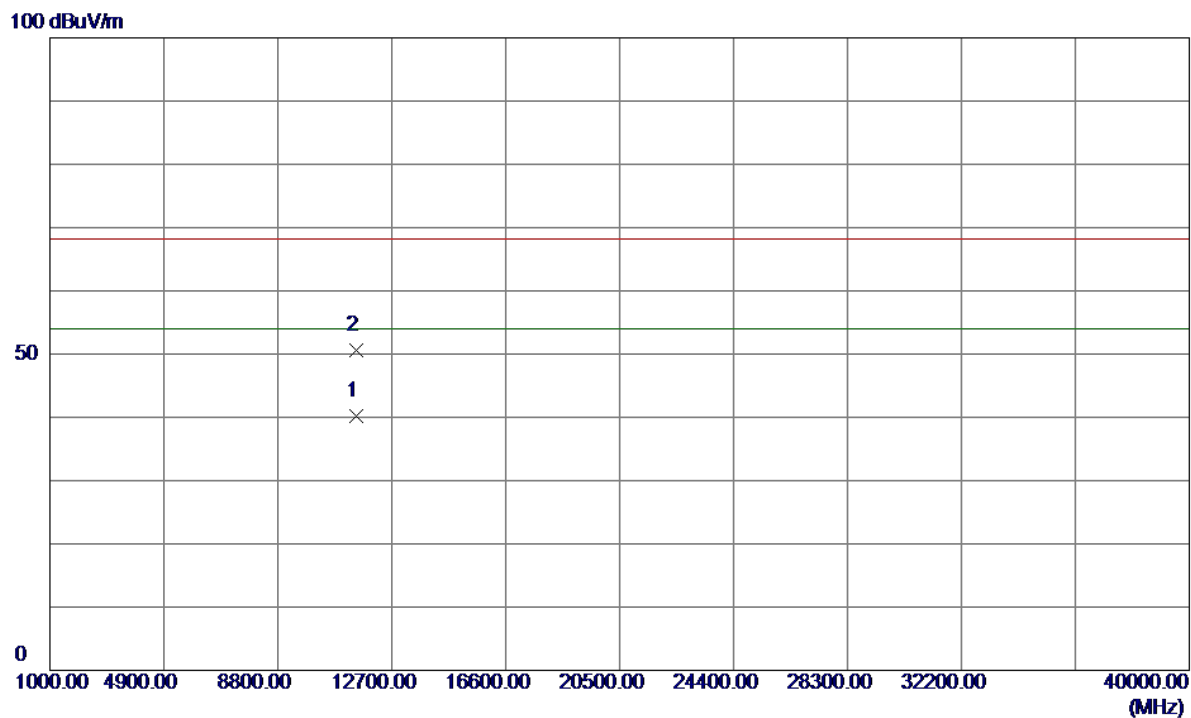
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	8.44	41.25	49.69	68.30	-18.61	Peak	
2	5715.0000	0.12	41.25	41.37	68.30	-26.93	AVG	
3	5725.0000	13.43	41.27	54.70	78.30	-23.60	Peak	
4	5725.0000	1.62	41.27	42.89	68.30	-25.41	AVG	
5	5739.4000	39.67	41.29	80.96	68.30	12.66	AVG	NO limit
6	5740.2000	47.51	41.29	88.80	78.30	10.50	Peak	NO limit

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

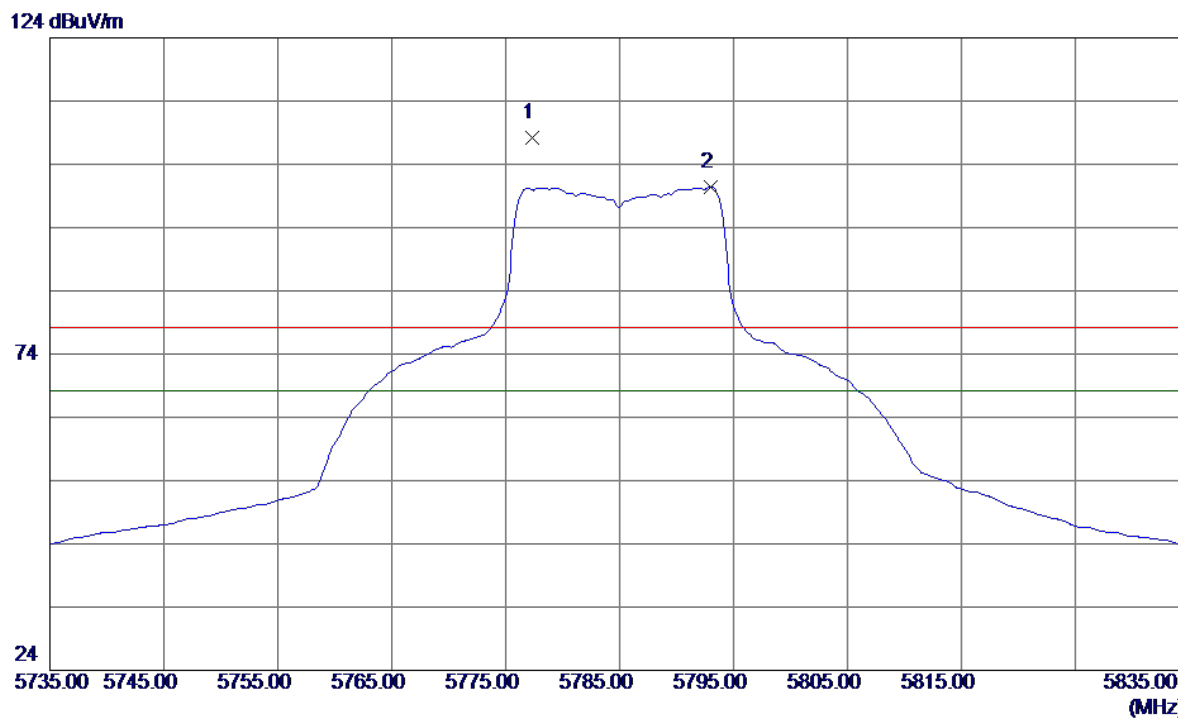
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11489.9000	23.28	16.91	40.19	54.00	-13.81	AVG	
2	11489.9500	33.76	16.91	50.67	68.30	-17.63	Peak	

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

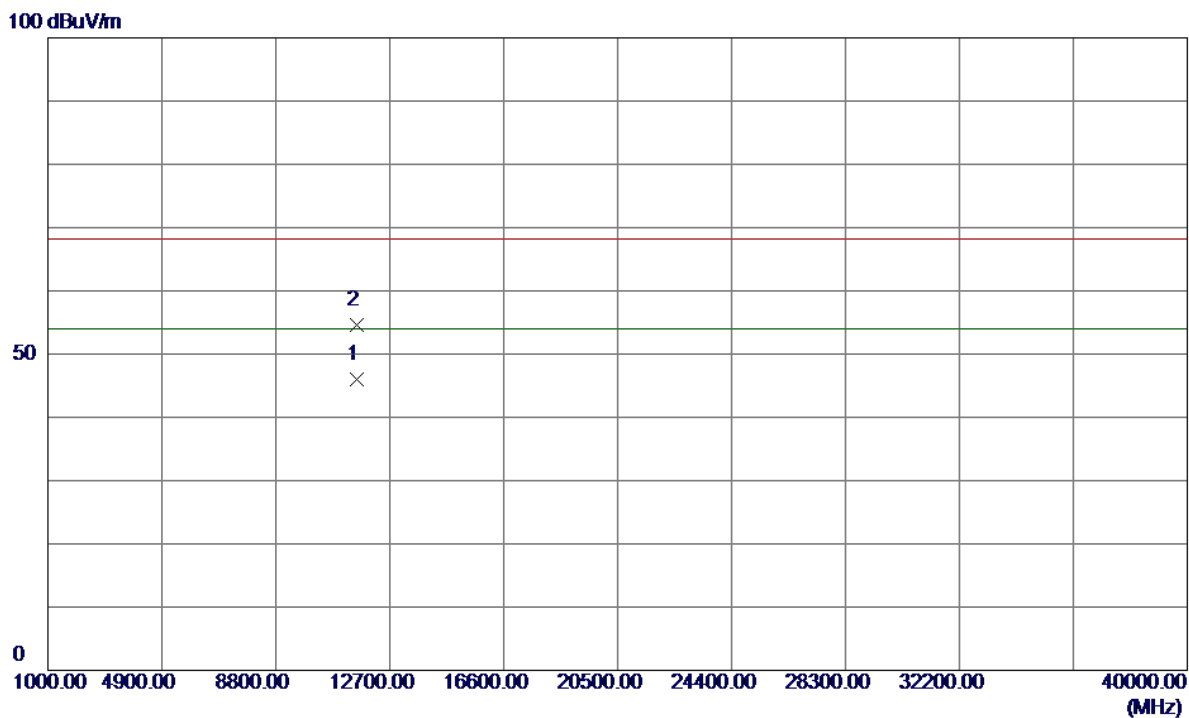
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5777.3000	66.90	41.34	108.24	78.30	29.94	Peak	NO limit
2	5793.0000	59.02	41.36	100.38	68.30	32.08	AVG	NO limit

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

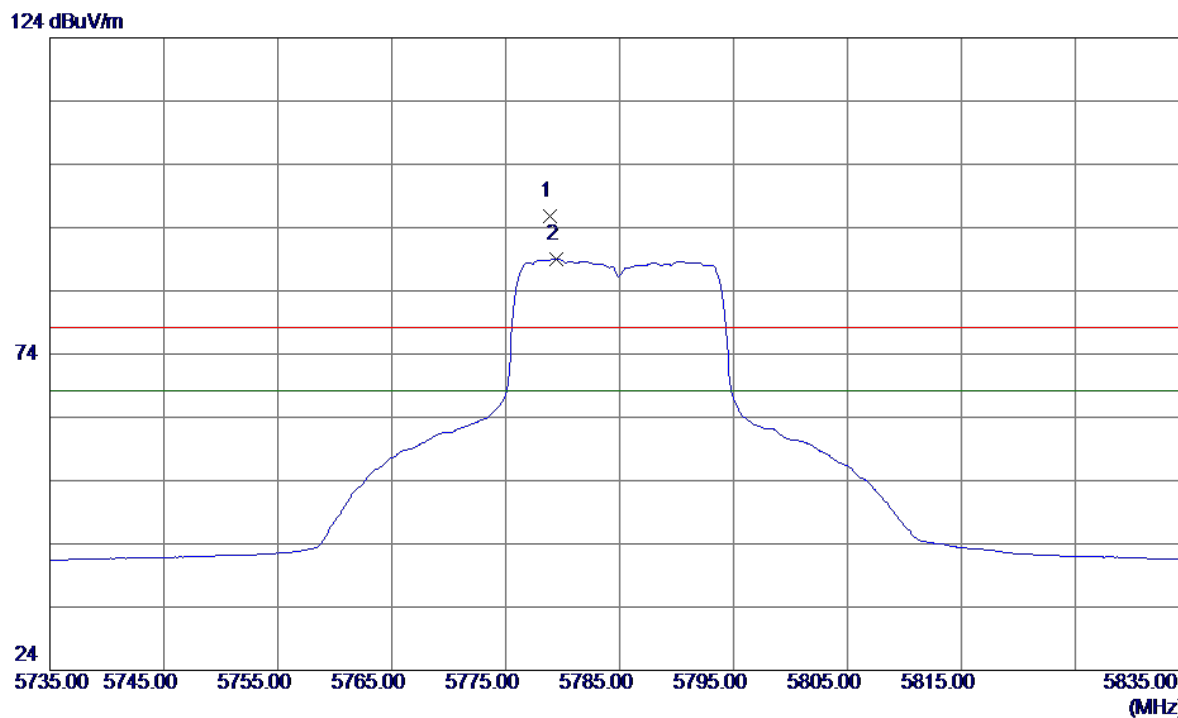
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11569.8700	28.90	17.05	45.95	54.00	-8.05	AVG	
2	11569.9900	37.64	17.05	54.69	68.30	-13.61	Peak	

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

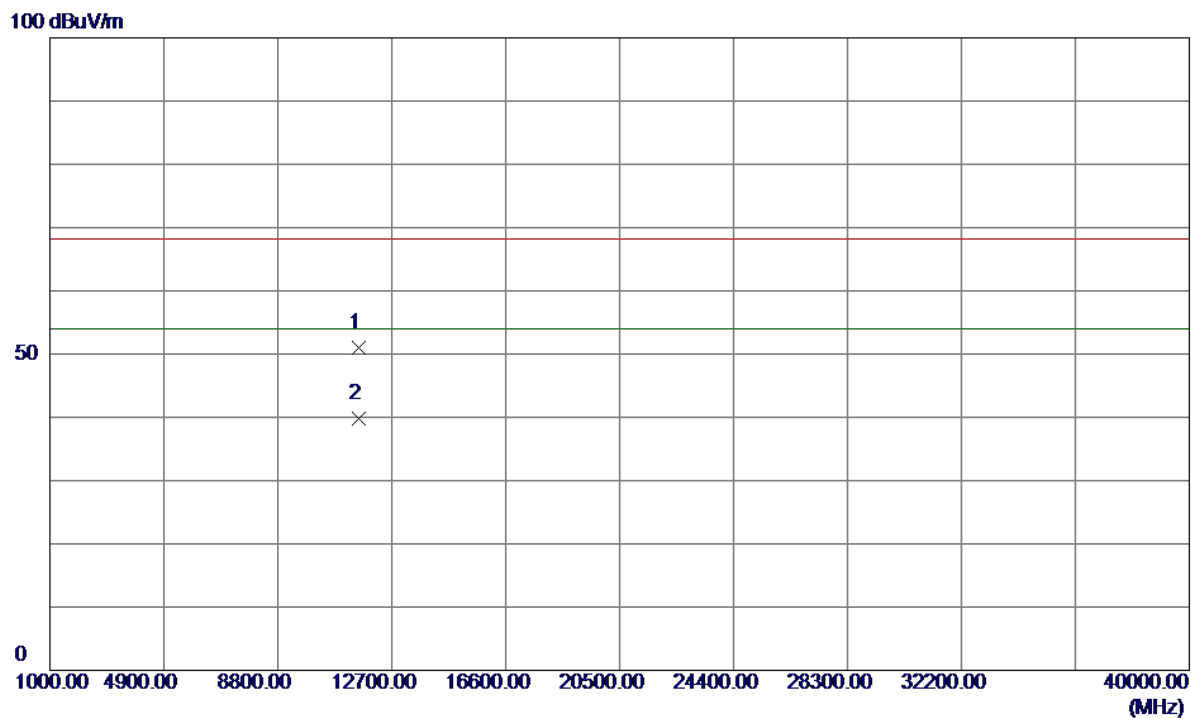
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5778.9000	54.53	41.34	95.87	78.30	17.57	Peak	NO limit
2	5779.4000	47.71	41.34	89.05	68.30	20.75	AVG	NO limit

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

Horizontal

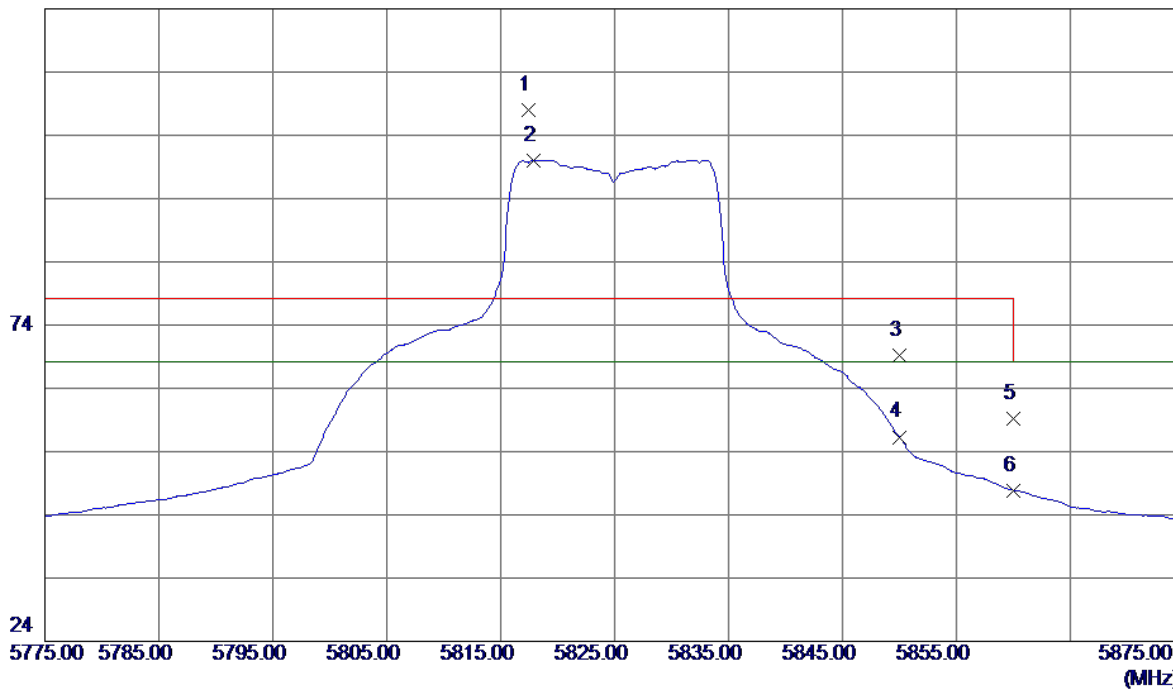


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11569.7300	34.00	17.05	51.05	68.30	-17.25	Peak	
2	11569.8200	22.76	17.05	39.81	54.00	-14.19	AVG	

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

Vertical

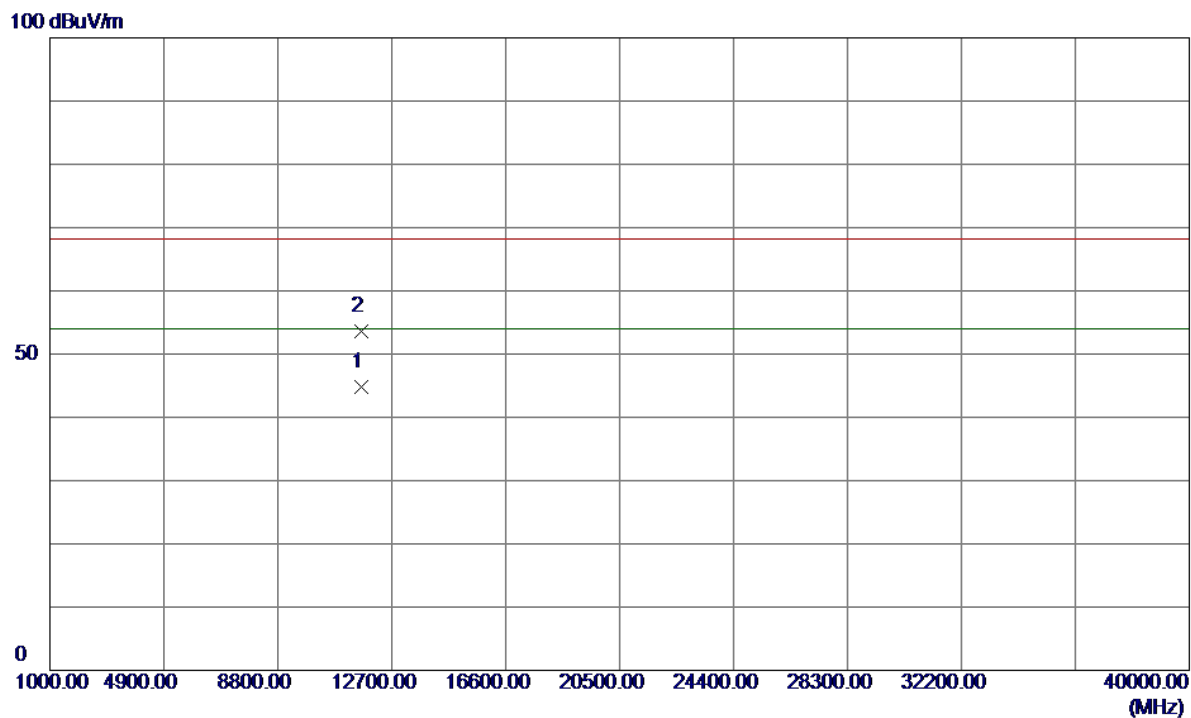
124 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5817.4000	66.53	41.39	107.92	78.30	29.62	Peak	NO limit
2	5817.9000	58.70	41.39	100.09	68.30	31.79	AVG	NO limit
3	5850.0000	27.76	41.44	69.20	78.30	-9.10	Peak	
4	5850.0000	14.86	41.44	56.30	68.30	-12.00	AVG	
5	5860.0000	17.82	41.45	59.27	78.30	-19.03	Peak	
6	5860.0000	6.44	41.45	47.89	68.30	-20.41	AVG	

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

Vertical

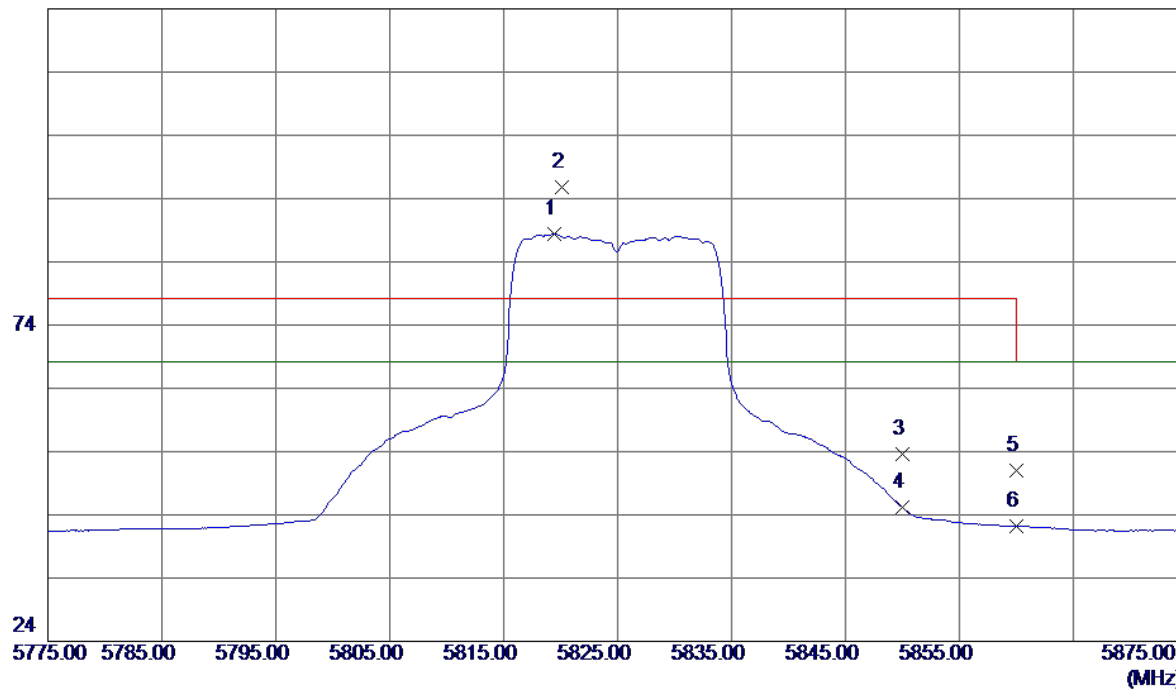


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11649.8500	27.58	17.17	44.75	54.00	-9.25	AVG	
2	11649.8700	36.42	17.17	53.59	68.30	-14.71	Peak	

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

Horizontal

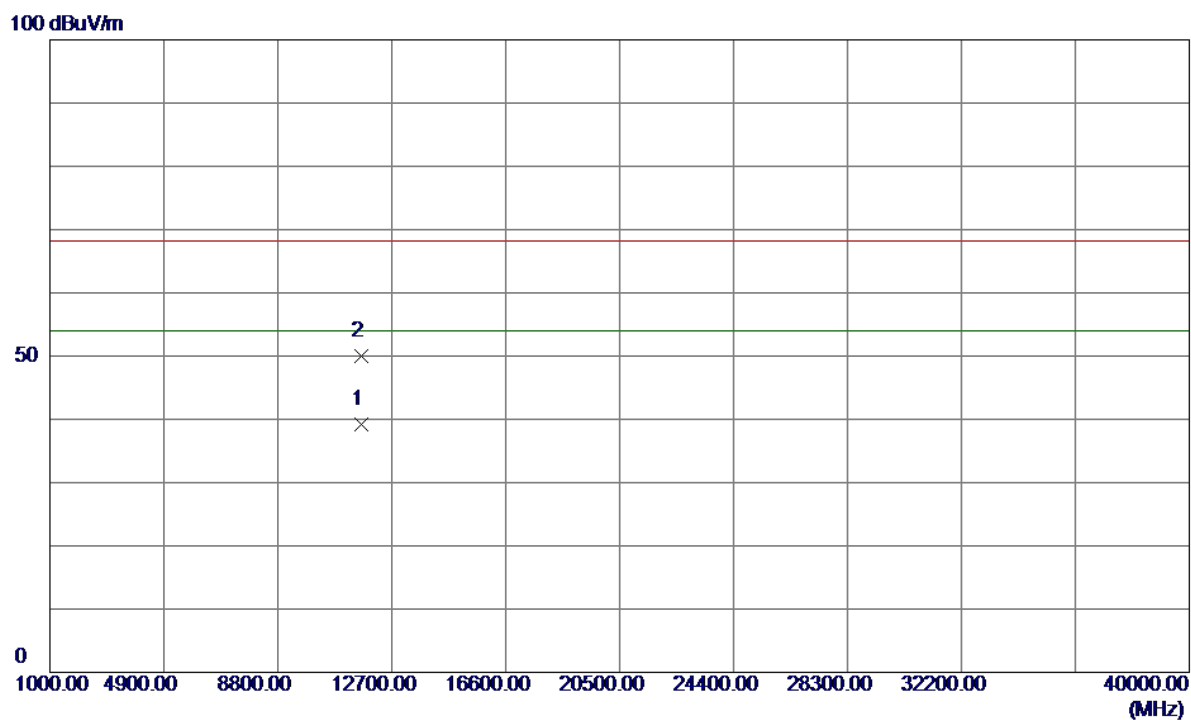
124 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5819.4000	46.95	41.39	88.34	68.30	20.04	AVG	NO limit
2	5820.1000	54.34	41.40	95.74	78.30	17.44	Peak	NO limit
3	5850.0000	12.19	41.44	53.63	78.30	-24.67	Peak	
4	5850.0000	3.71	41.44	45.15	68.30	-23.15	AVG	
5	5860.0000	9.53	41.45	50.98	78.30	-27.32	Peak	
6	5860.0000	0.74	41.45	42.19	68.30	-26.11	AVG	

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

Horizontal

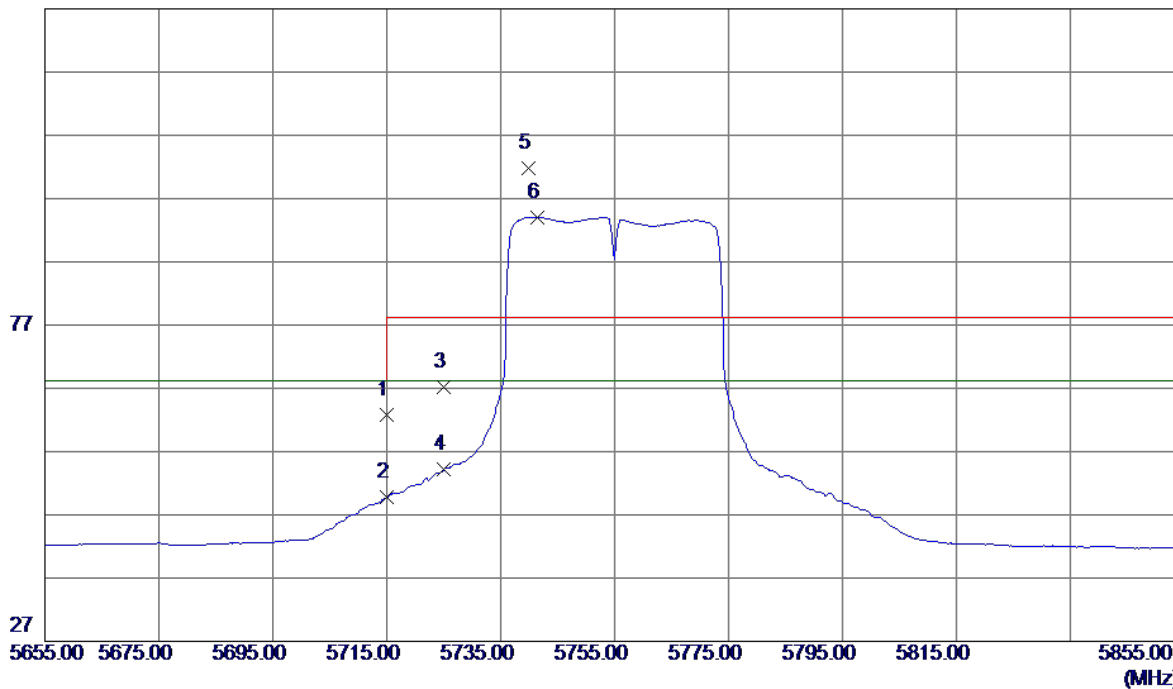


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11649.7500	22.01	17.17	39.18	54.00	-14.82	AVG	
2	11649.9600	32.80	17.17	49.97	68.30	-18.33	Peak	

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

Vertical

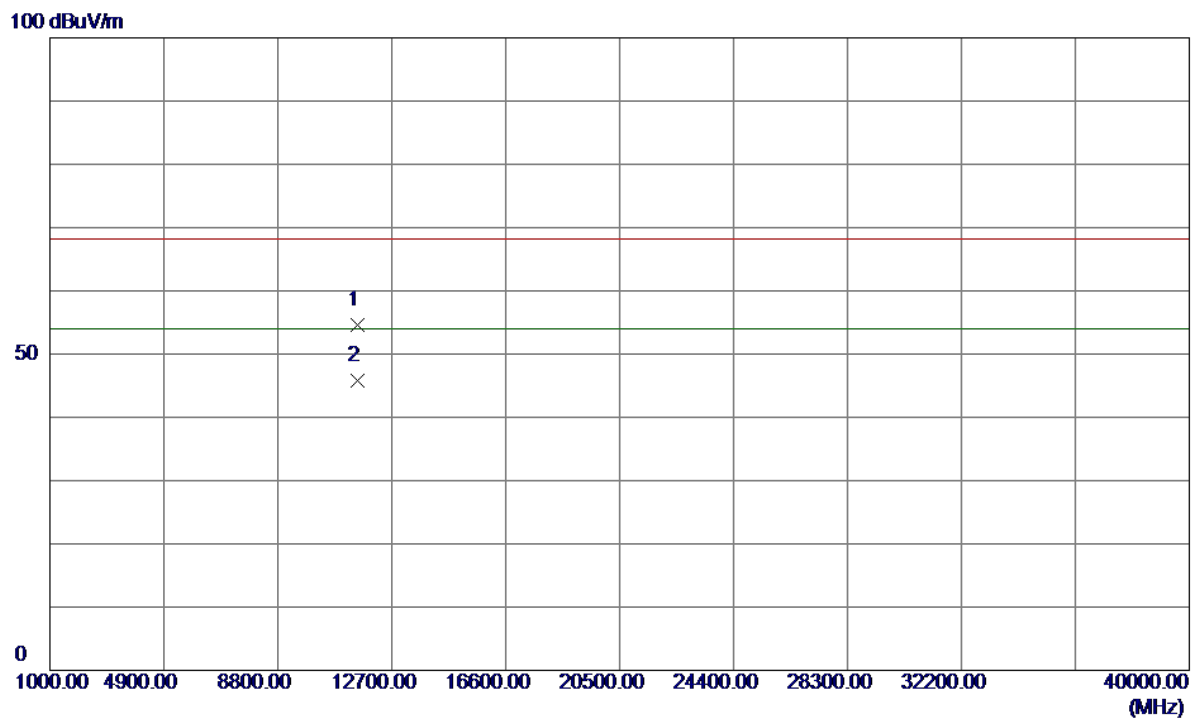
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	21.49	41.25	62.74	68.30	-5.56	Peak	
2	5715.0000	8.51	41.25	49.76	68.30	-18.54	AVG	
3	5725.0000	26.00	41.27	67.27	78.30	-11.03	Peak	
4	5725.0000	12.86	41.27	54.13	68.30	-14.17	AVG	
5	5739.8000	60.51	41.29	101.80	78.30	23.50	Peak	NO limit
6	5741.4000	52.77	41.29	94.06	68.30	25.76	AVG	NO limit

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

Vertical

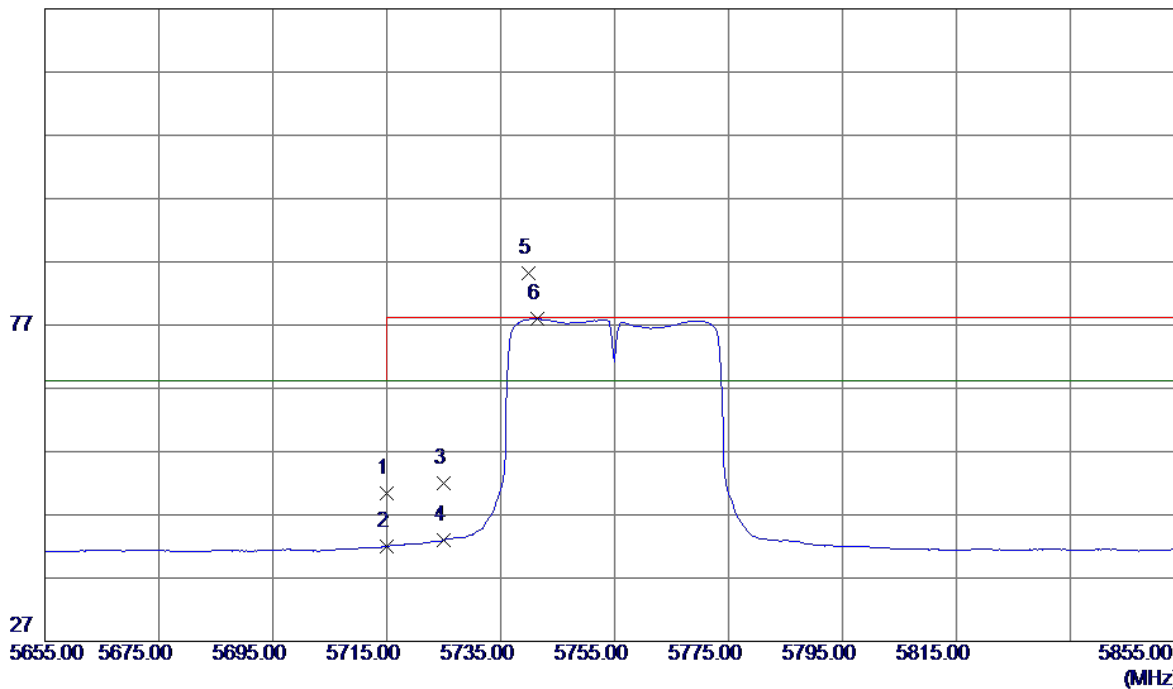


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11509.7500	37.63	16.95	54.58	68.30	-13.72	Peak	
2	11509.8500	28.91	16.95	45.86	54.00	-8.14	AVG	

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

Horizontal

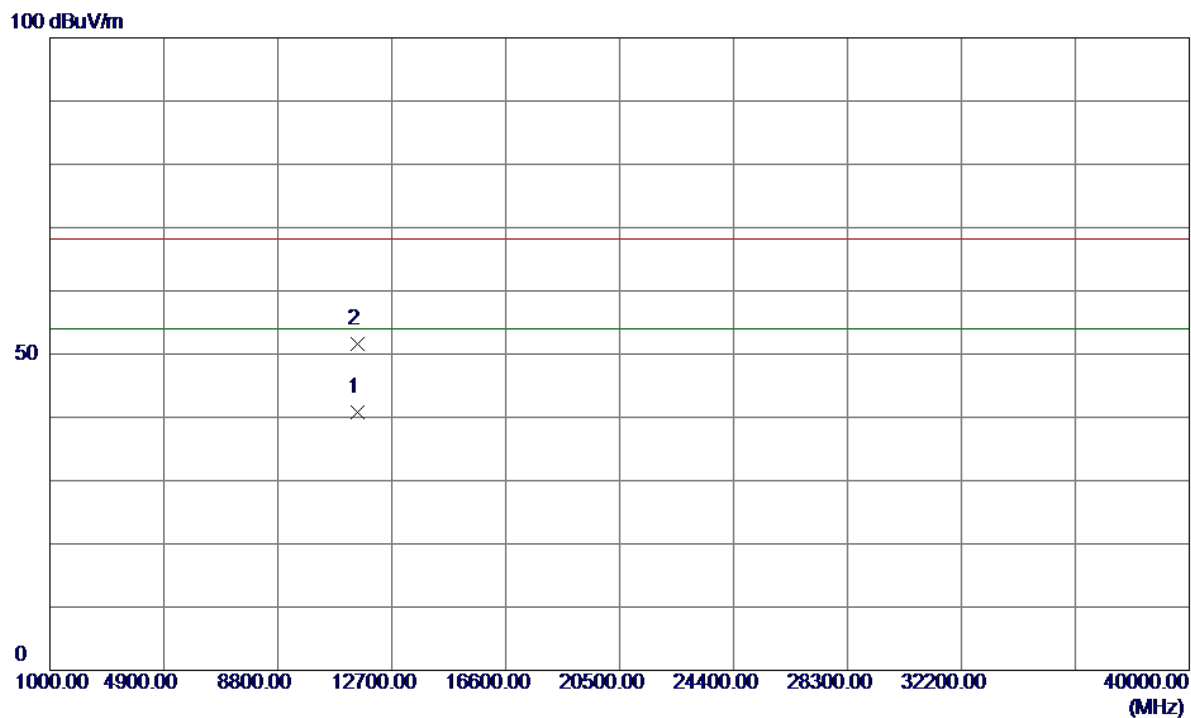
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	9.12	41.25	50.37	68.30	-17.93	Peak	
2	5715.0000	0.79	41.25	42.04	68.30	-26.26	AVG	
3	5725.0000	10.75	41.27	52.02	78.30	-26.28	Peak	
4	5725.0000	1.74	41.27	43.01	68.30	-25.29	AVG	
5	5739.8000	43.95	41.29	85.24	78.30	6.94	Peak	NO limit
6	5741.4000	36.67	41.29	77.96	68.30	9.66	AVG	NO limit

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

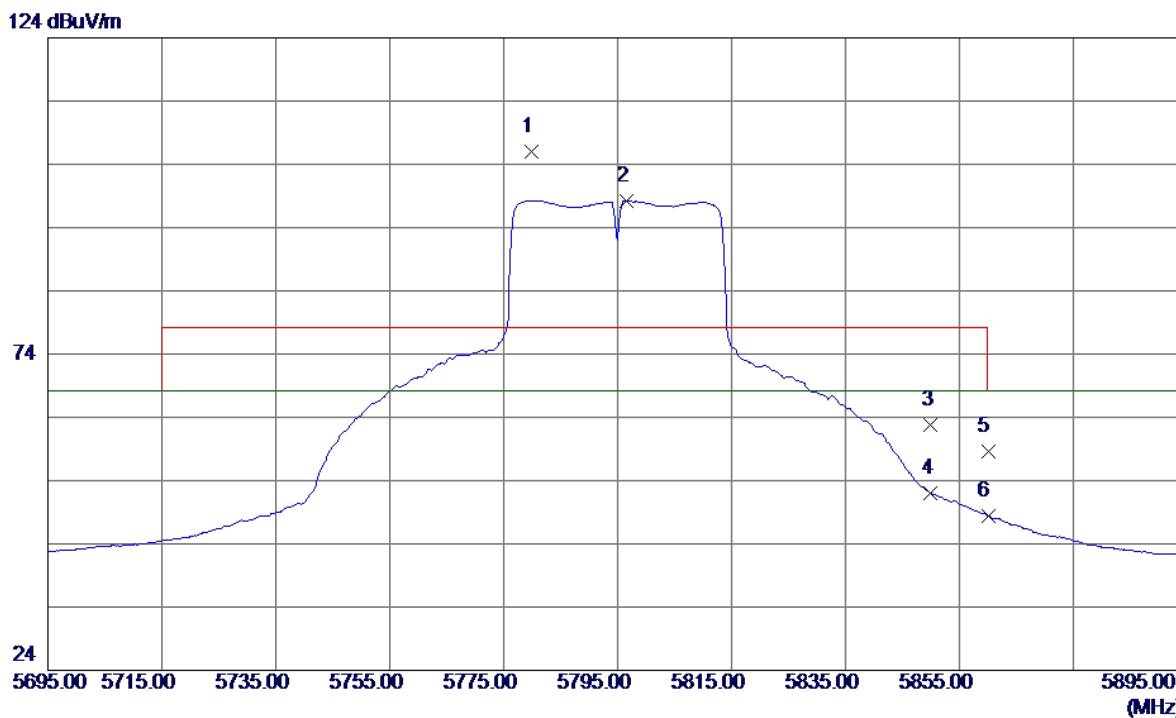
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11509.8099	23.80	16.95	40.75	54.00	-13.25	AVG	
2	11510.0199	34.64	16.95	51.59	68.30	-16.71	Peak	

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

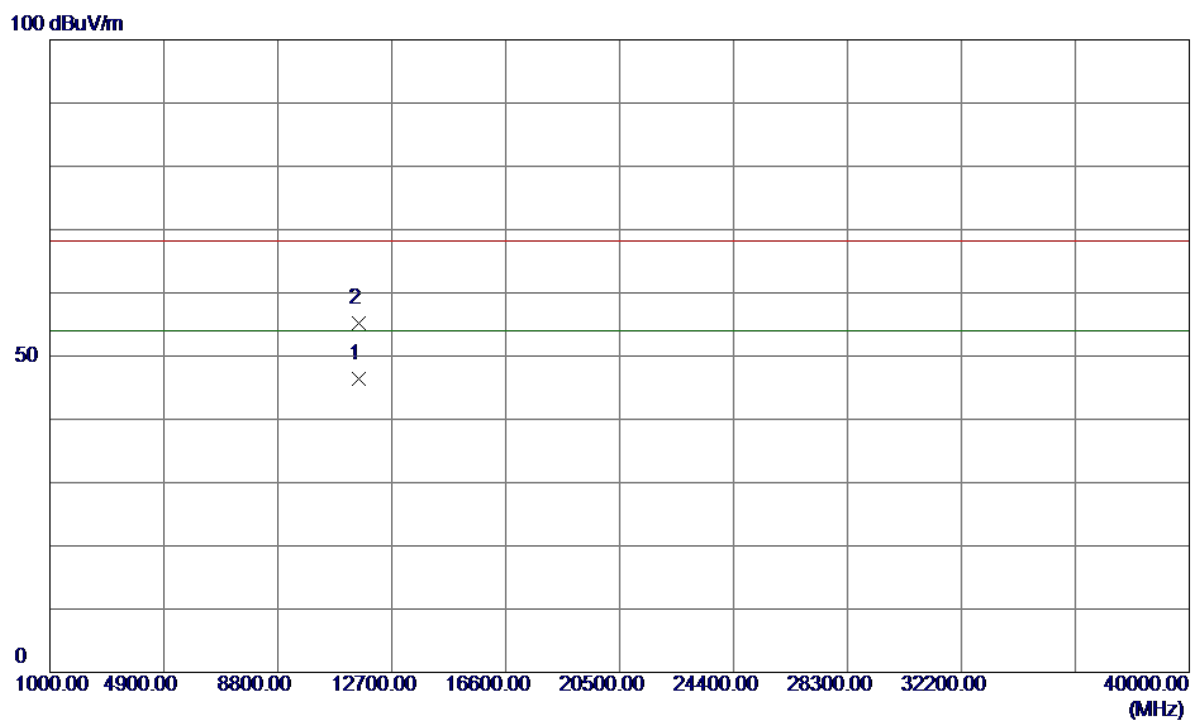
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5779.8000	64.63	41.34	105.97	78.30	27.67	Peak	NO limit
2	5796.6000	56.93	41.36	98.29	68.30	29.99	AVG	NO limit
3	5850.0000	21.37	41.44	62.81	78.30	-15.49	Peak	
4	5850.0000	10.48	41.44	51.92	68.30	-16.38	AVG	
5	5860.0000	17.07	41.45	58.52	78.30	-19.78	Peak	
6	5860.0000	7.03	41.45	48.48	68.30	-19.82	AVG	

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

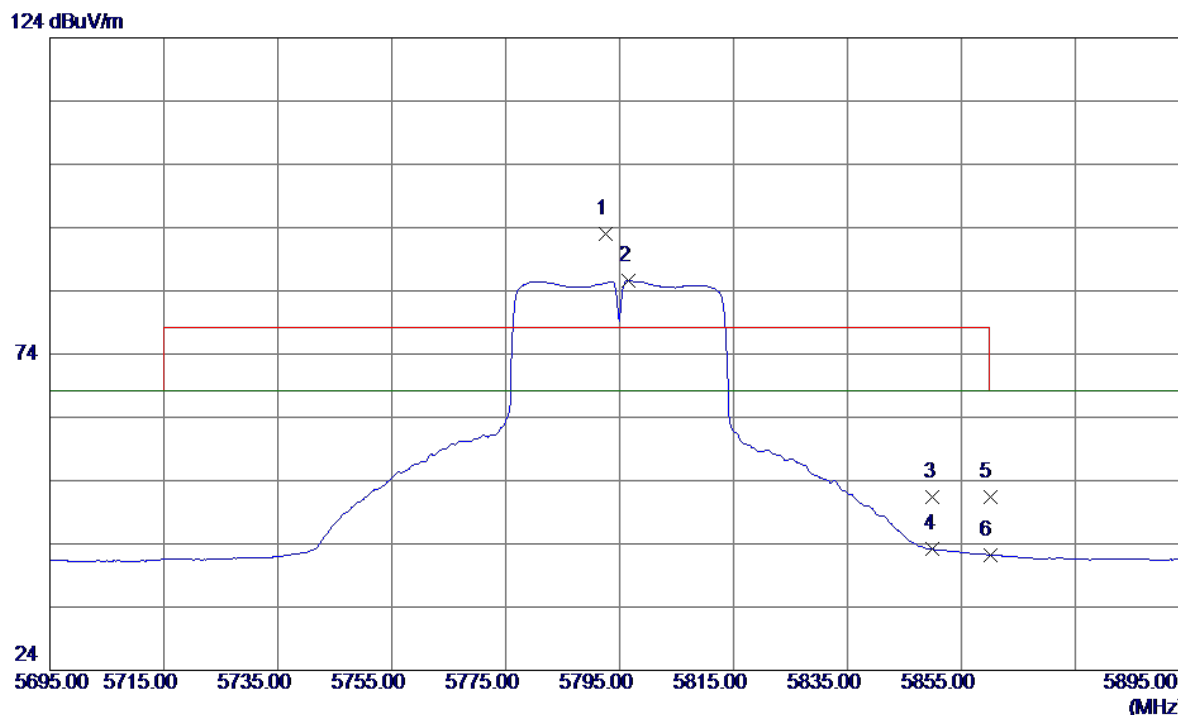
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11589.8700	29.28	17.08	46.36	54.00	-7.64	AVG	
2	11589.9900	38.17	17.08	55.25	68.30	-13.05	Peak	

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

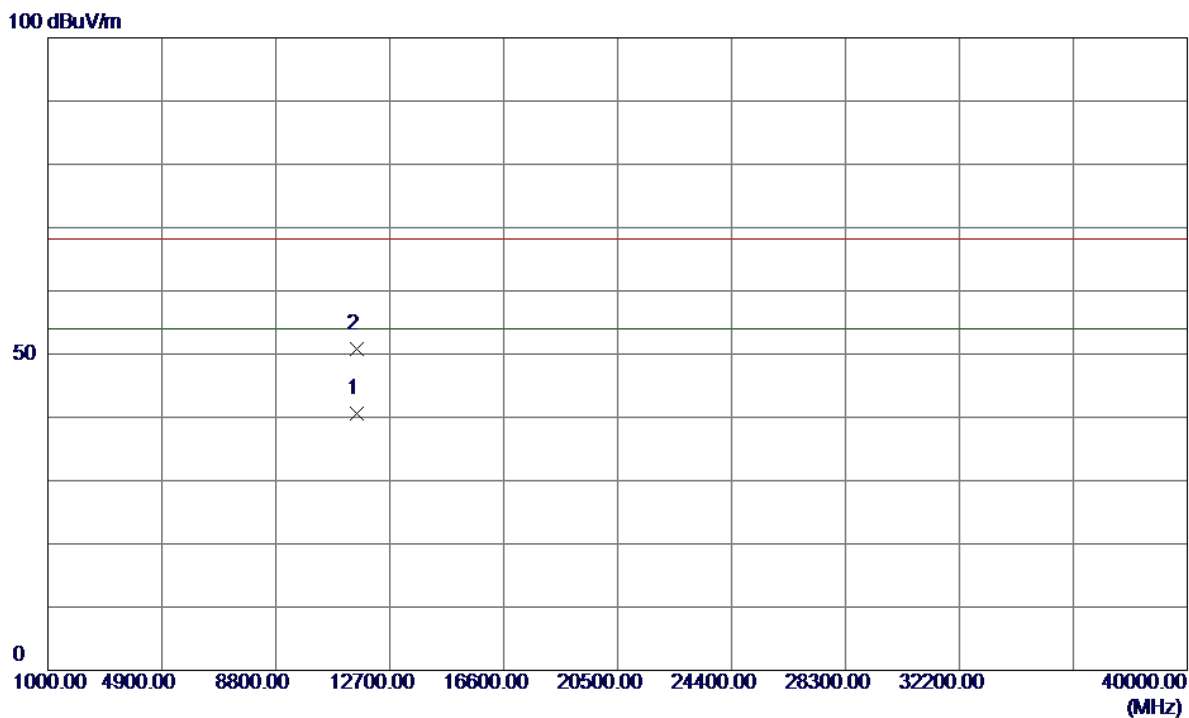
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5792.6000	51.66	41.36	93.02	78.30	14.72	Peak	NO limit
2	5796.6000	44.30	41.36	85.66	68.30	17.36	AVG	NO limit
3	5850.0000	10.03	41.44	51.47	78.30	-26.83	Peak	
4	5850.0000	1.69	41.44	43.13	68.30	-25.17	AVG	
5	5860.0000	9.96	41.45	51.41	78.30	-26.89	Peak	
6	5860.0000	0.83	41.45	42.28	68.30	-26.02	AVG	

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

Horizontal

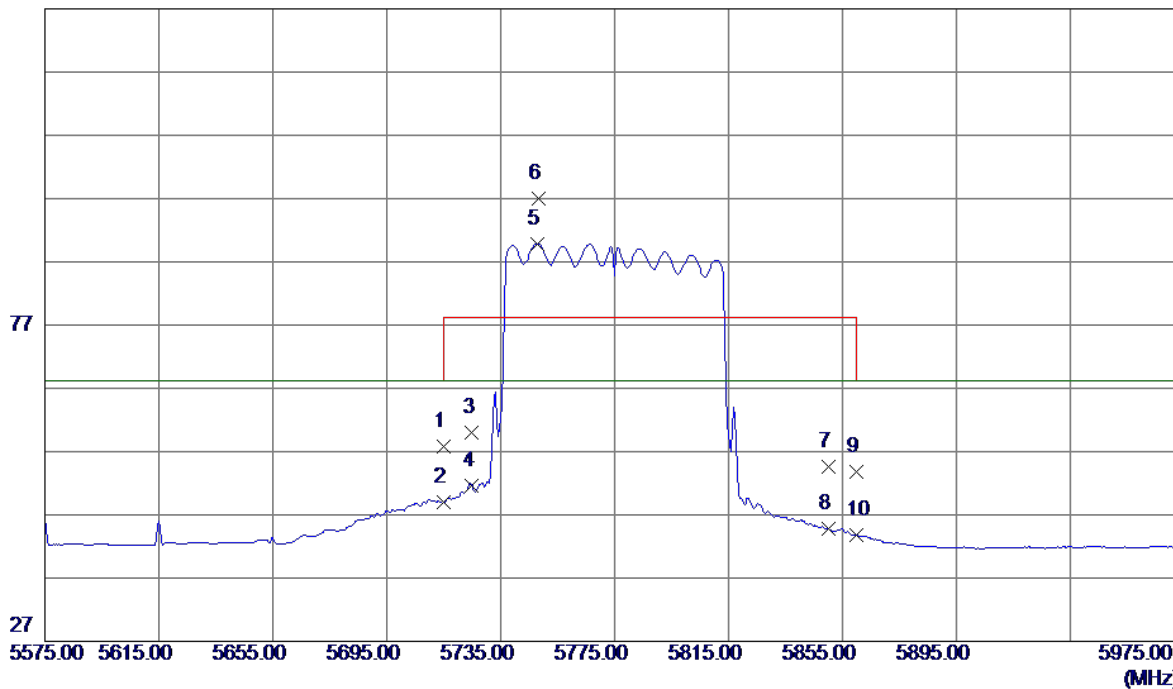


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11589.9500	23.53	17.08	40.61	54.00	-13.39	AVG	
2	11590.0700	33.68	17.08	50.76	68.30	-17.54	Peak	

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

Vertical

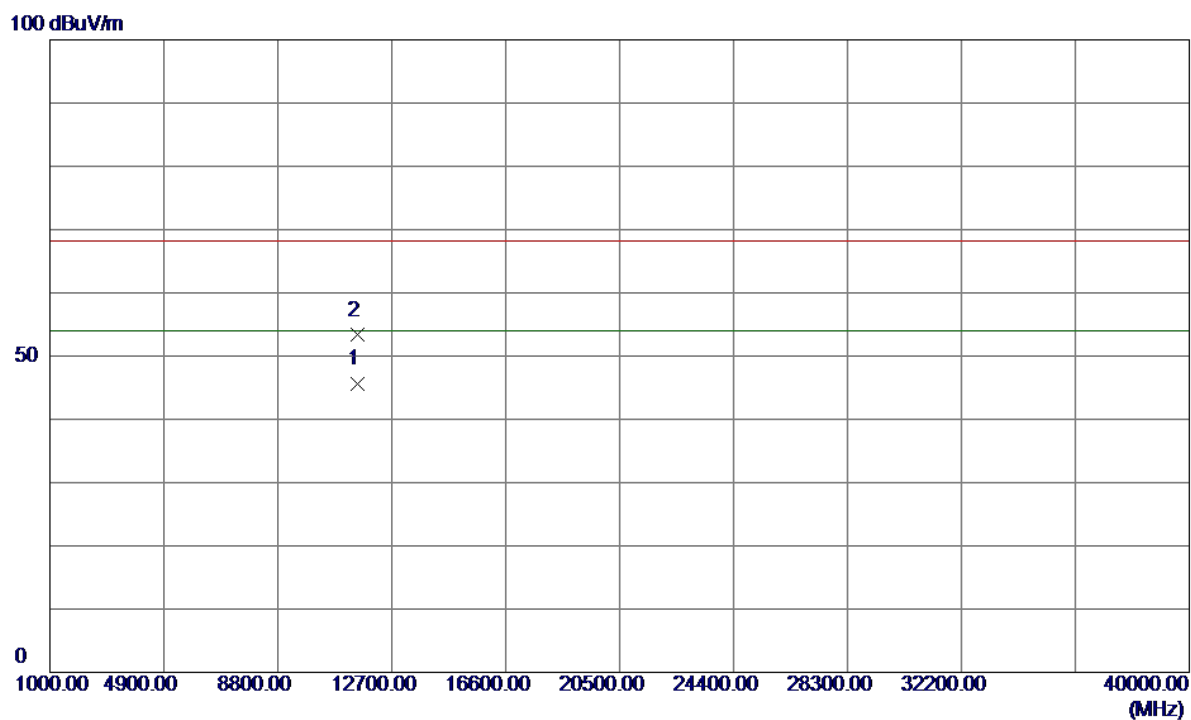
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	16.60	41.25	57.85	68.30	-10.45	Peak	
2	5715.0000	7.68	41.25	48.93	68.30	-19.37	AVG	
3	5725.0000	18.76	41.27	60.03	78.30	-18.27	Peak	
4	5725.0000	10.27	41.27	51.54	68.30	-16.76	AVG	
5	5747.8000	48.59	41.30	89.89	68.30	21.59	AVG	NO limit
6	5748.2000	55.76	41.30	97.06	78.30	18.76	Peak	NO limit
7	5850.0000	13.19	41.44	54.63	78.30	-23.67	Peak	
8	5850.0000	3.29	41.44	44.73	68.30	-23.57	AVG	
9	5860.0000	12.39	41.45	53.84	78.30	-24.46	Peak	
10	5860.0000	2.33	41.45	43.78	68.30	-24.52	AVG	

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

Vertical

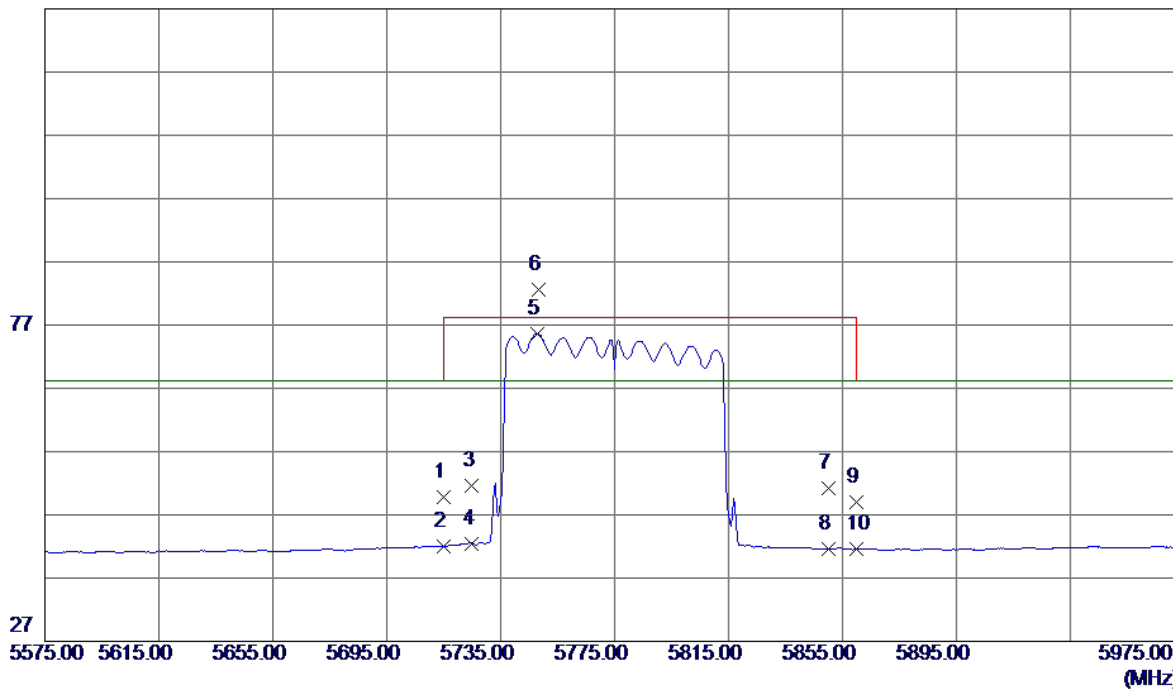


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11549.8500	28.63	17.01	45.64	54.00	-8.36	AVG	
2	11550.0500	36.29	17.01	53.30	68.30	-15.00	Peak	

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

Horizontal

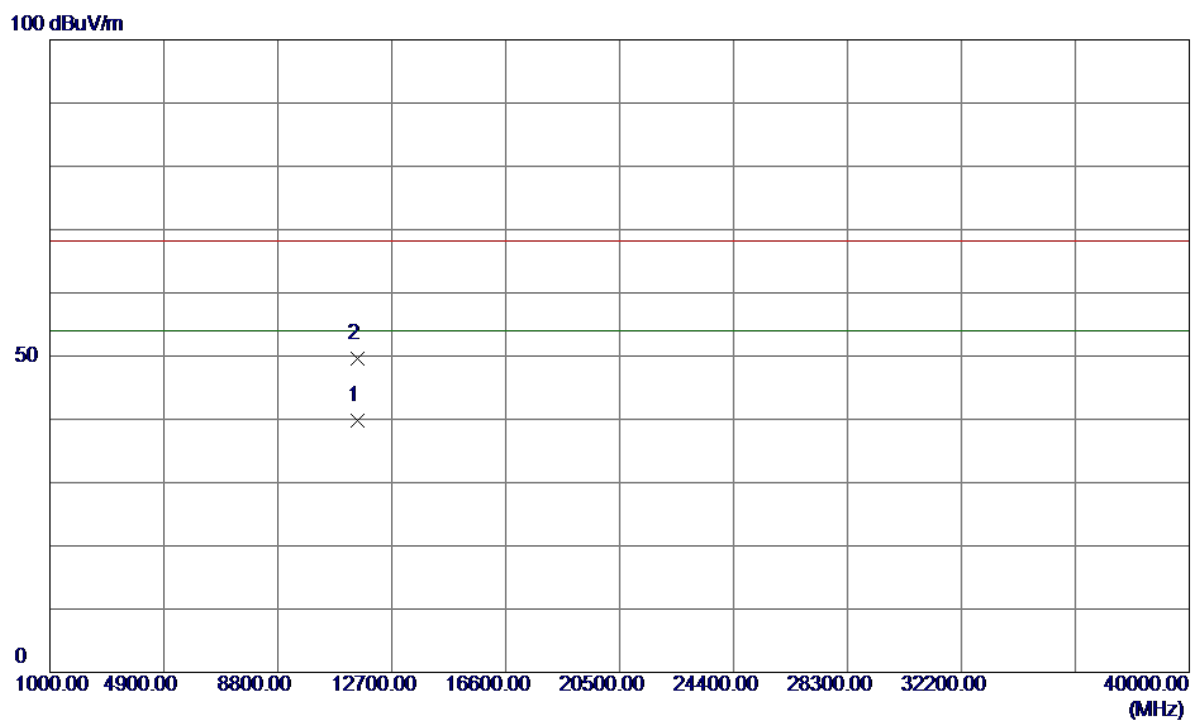
127 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	5715.0000	8.57	41.25	49.82	68.30	-18.48	Peak	
2	5715.0000	0.74	41.25	41.99	68.30	-26.31	AVG	
3	5725.0000	10.24	41.27	51.51	78.30	-26.79	Peak	
4	5725.0000	1.20	41.27	42.47	68.30	-25.83	AVG	
5	5747.8000	34.35	41.30	75.65	68.30	7.35	AVG	NO limit
6	5748.2000	41.27	41.30	82.57	78.30	4.27	Peak	NO limit
7	5850.0000	9.71	41.44	51.15	78.30	-27.15	Peak	
8	5850.0000	0.15	41.44	41.59	68.30	-26.71	AVG	
9	5860.0000	7.59	41.45	49.04	78.30	-29.26	Peak	
10	5860.0000	0.11	41.45	41.56	68.30	-26.74	AVG	

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

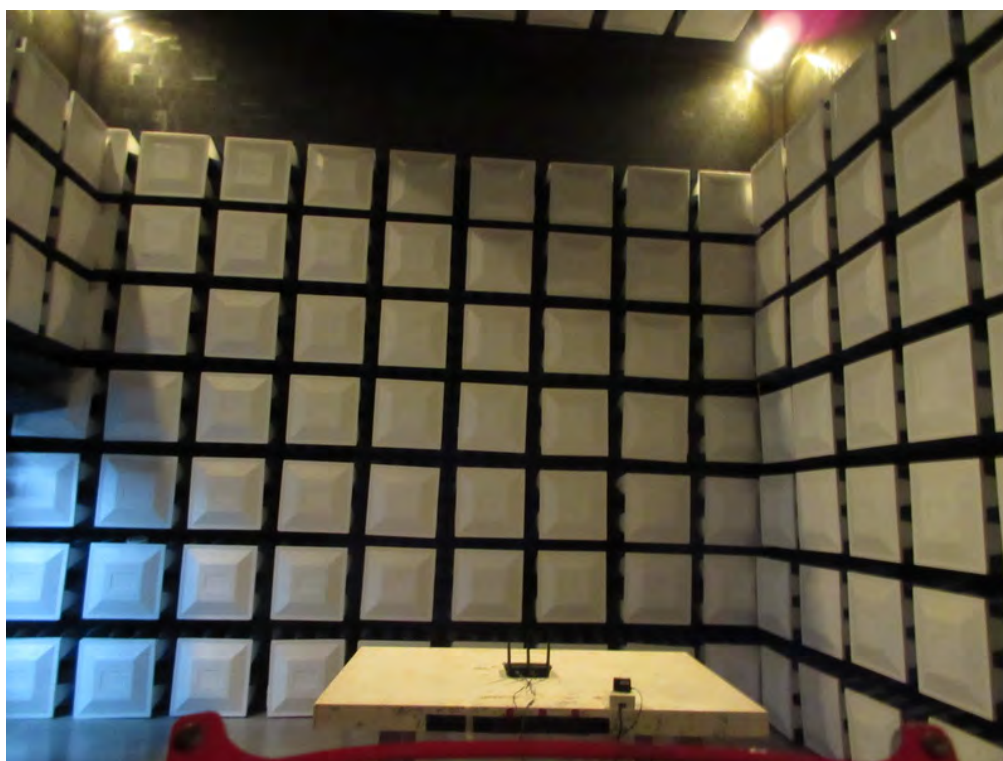
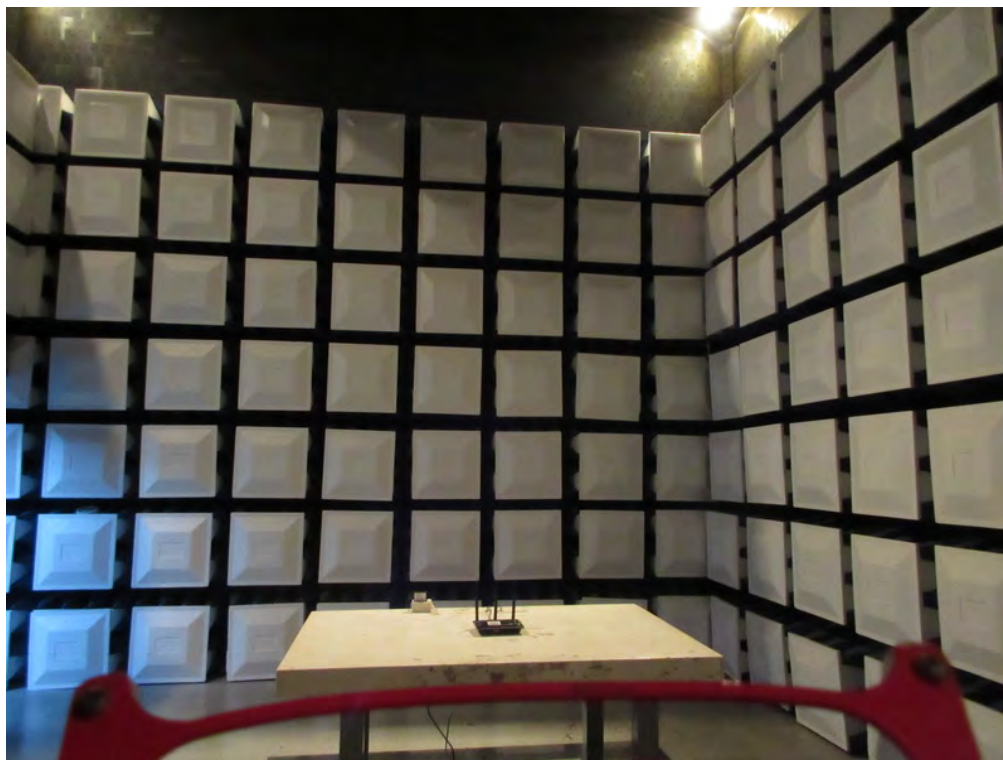
Horizontal



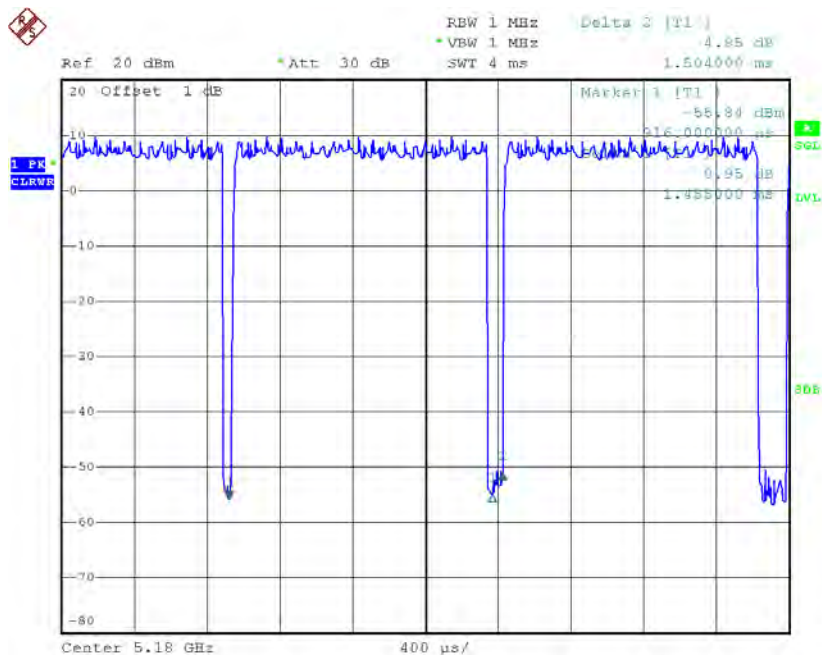
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	11549.8500	22.79	17.01	39.80	54.00	-14.20	AVG	
2	11549.9500	32.66	17.01	49.67	68.30	-18.63	Peak	

Radiated Measurement Photos

Above 1000MHz



TX A Mode_DUTY CYCLE



Date: 27.MAY.2015 22:29:08

Duty cycle: TX DUTYMHZ

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

T_{ON} : 1.45 msec

T_{Total} : 1.50 msec

Duty cycle: 96.67%

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

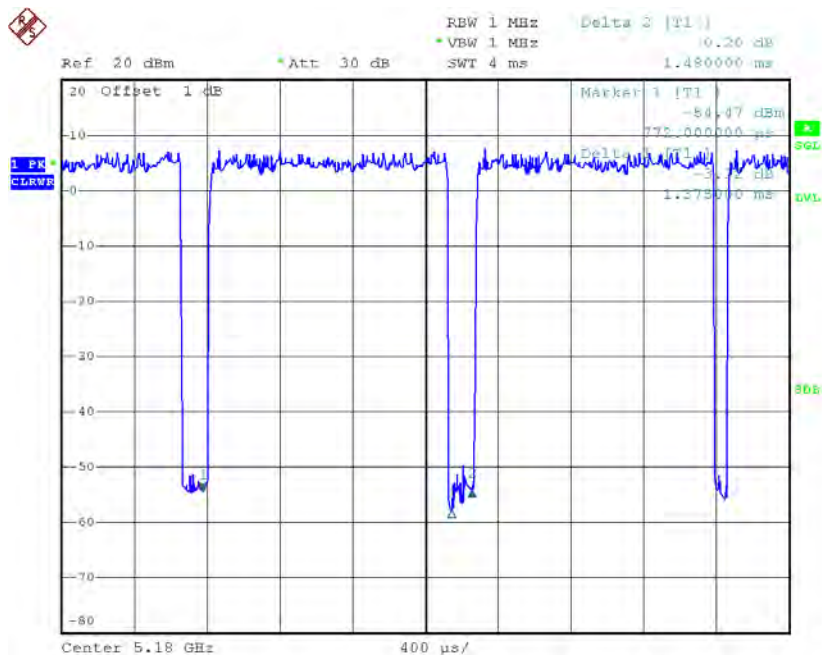
Duty Factor = 0.15

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

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

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

TX N20 Mode_DUTY CYCLE



Date: 27.MAY.2015 22:53:30

Duty cycle: TX DUTYMHZ

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

T_{ON} : 1.38 msec

T_{Total} : 1.48 msec

Duty cycle: 93.24%

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

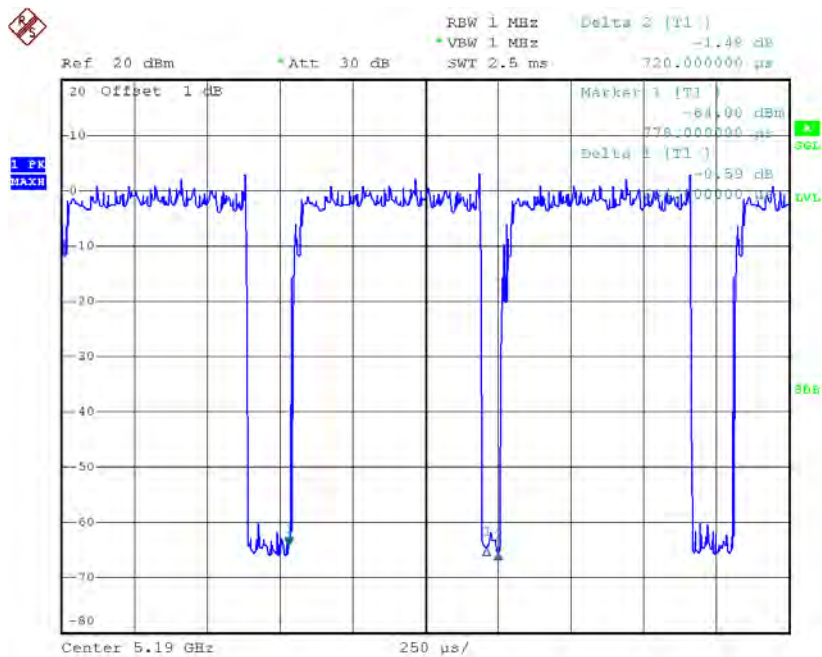
Duty Factor = 0.30

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

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

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

TX N40 Mode_DUTY CYCLE



Date: 27.MAY.2015 23:15:28

Duty cycle: TX DUTYMHZ

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

T_{ON} : 0.68 msec

T_{Total} : 0.72 msec

Duty cycle: 94.44%

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

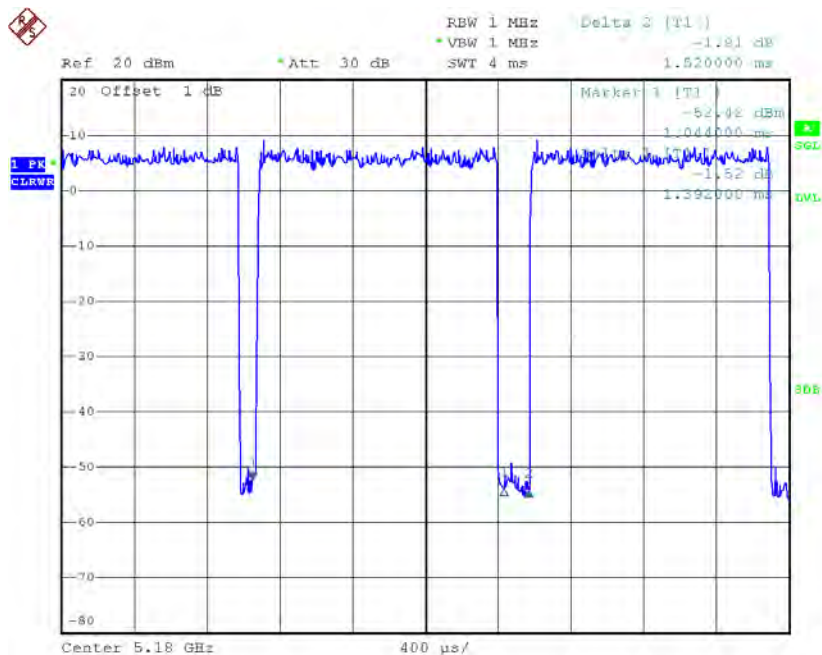
Duty Factor = 0.25

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

Output Power = Measured power + Ducus factor

Power Spectral Density = Measured density + Duty factor

TX AC20 Mode_DUTY CYCLE



Date: 27.MAY.2015 23:04:08

Duty cycle: TX DUTYMHZ

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

T_{ON} : 1.39 msec

T_{Total} : 1.52 msec

Duty cycle: 91.45%

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

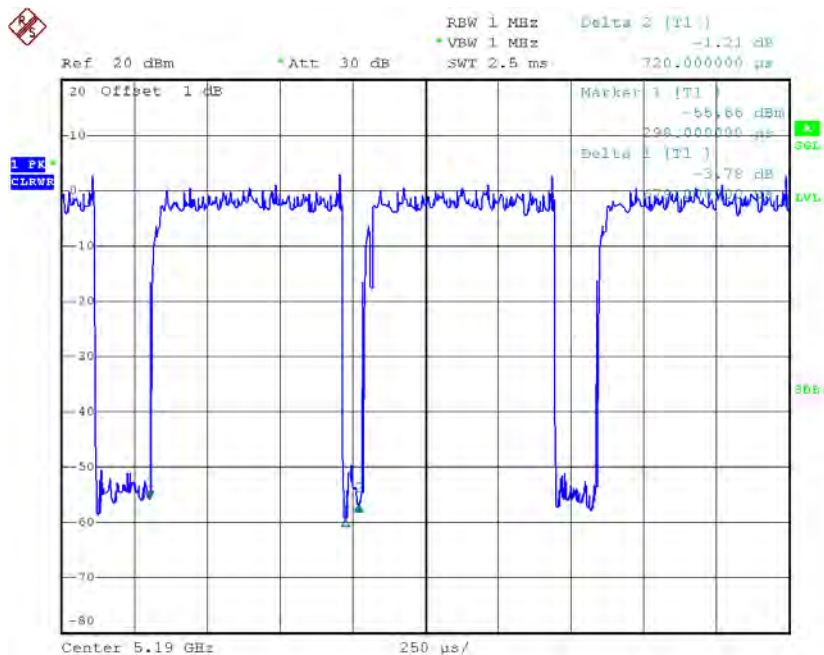
Duty Factor = 0.39

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

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor

TX AC40 Mode_DUTY CYCLE



Date: 27.MAY.2015 23:24:05

Duty cycle: TX DUTYMHZ

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

T_{ON} : 0.68 msec

T_{Total} : 0.72 msec

Duty cycle: 94.44%

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

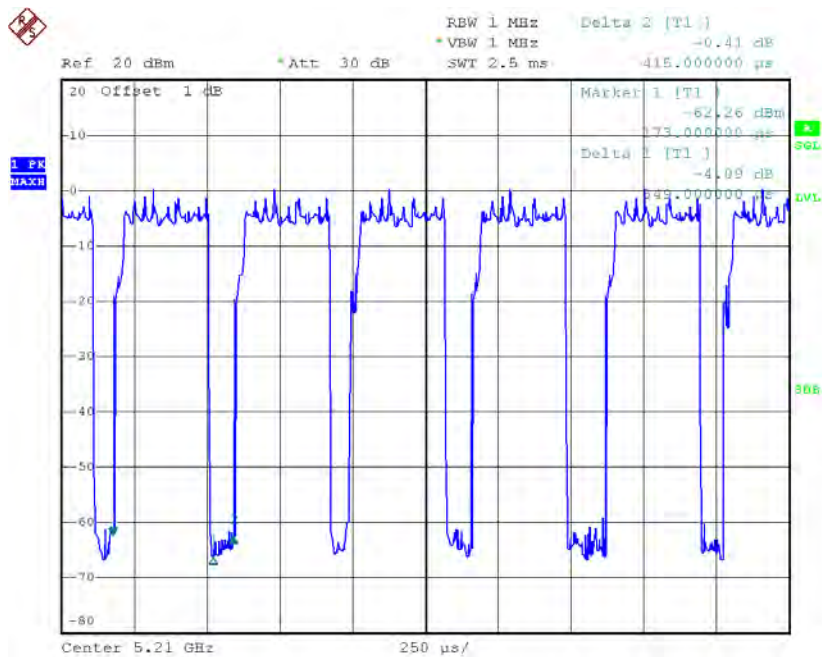
Duty Factor = 0.25

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

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor

TX AC80 Mode_DUTY CYCLE



Date: 27.MAY.2015 23:31:25

Duty cycle: TX DUTYMHz

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

T_{ON} : 0.35 msec

T_{Total} : 0.42 msec

Duty cycle: 83.33%

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

Duty Factor = 0.79

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

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

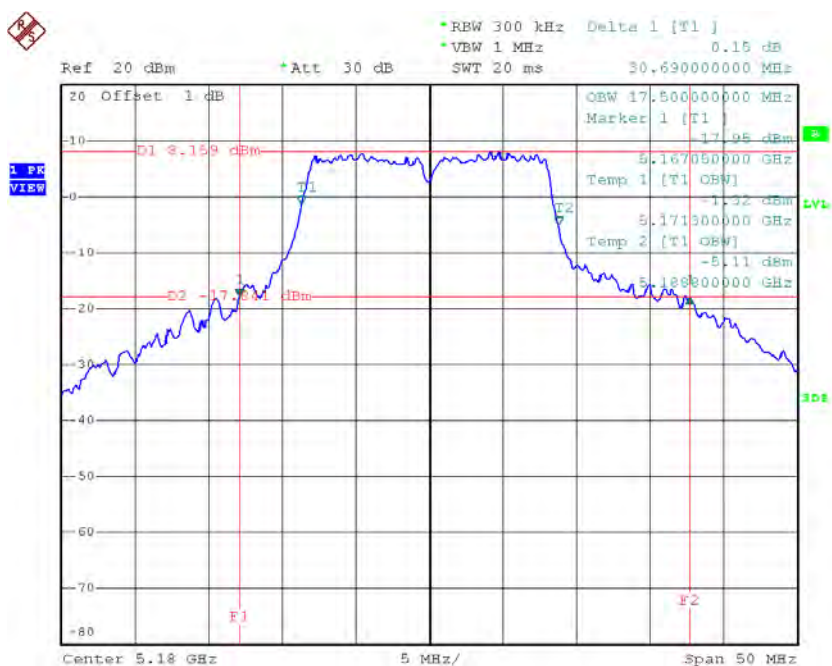
$$\text{Power Spectral Density} = \text{Measured density} + \text{Duty factor}$$

ATTACHMENT E - BANDWIDTH

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

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	30.69	17.50
CH40	5200	41.28	24.20
CH48	5240	43.58	28.20

TX CH36



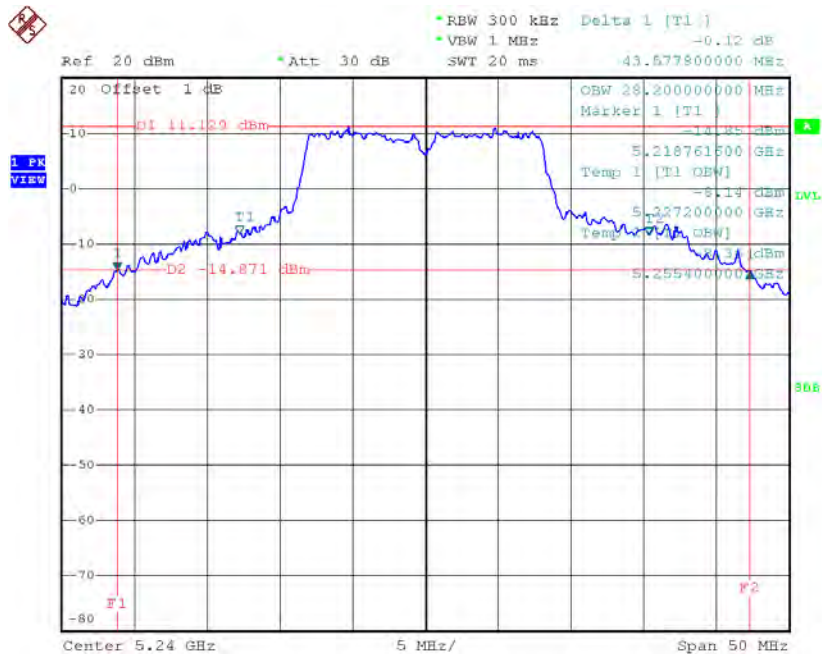
Date: 27.MAY.2015 22:17:19

TX CH40



Date: 27.MAY.2015 22:18:24

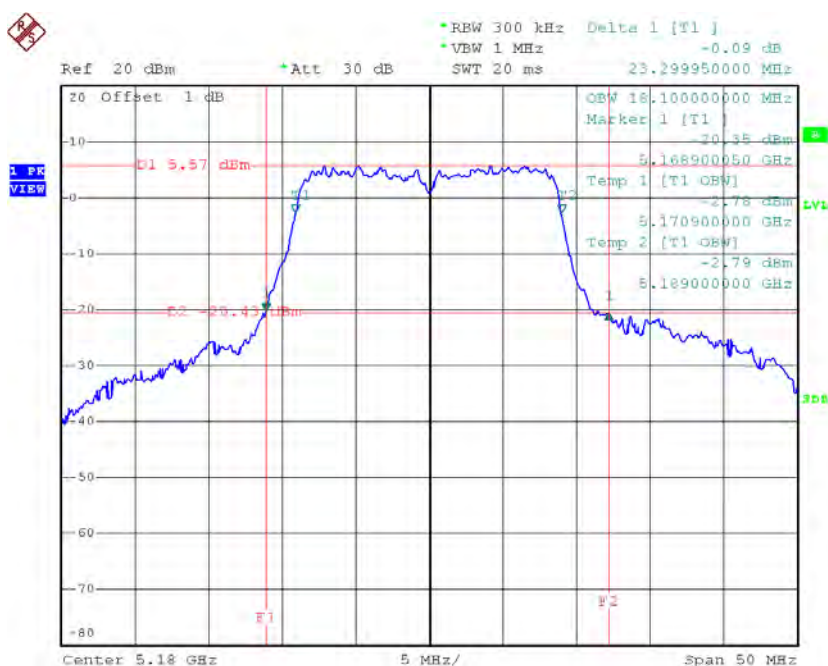
TX CH48



Date: 27.MAY.2015 22:19:36

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

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	23.30	18.10
CH40	5200	44.74	25.10
CH48	5240	46.39	29.00

TX CH36


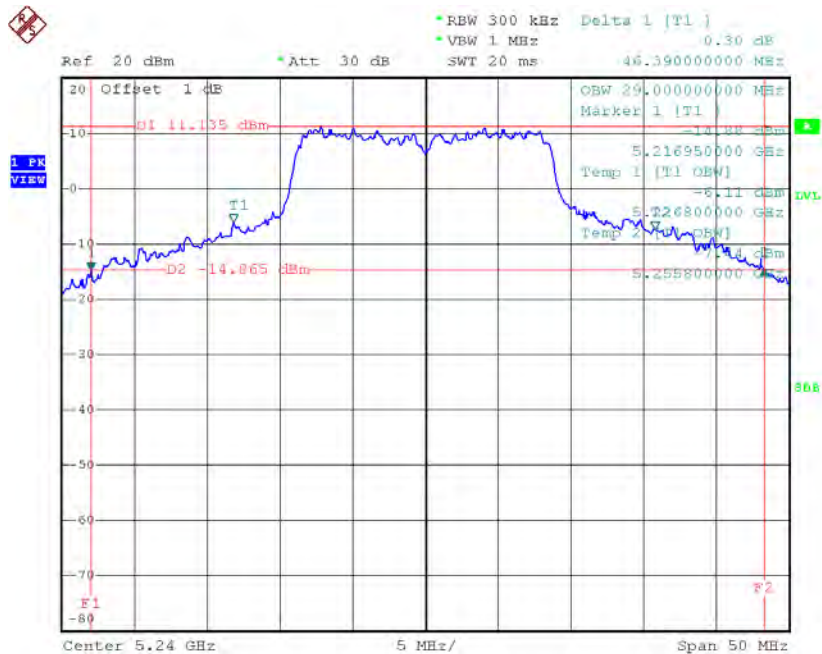
Date: 27.MAY.2015 22:30:42

TX CH40



Date: 27.MAY.2015 22:36:47

TX CH48

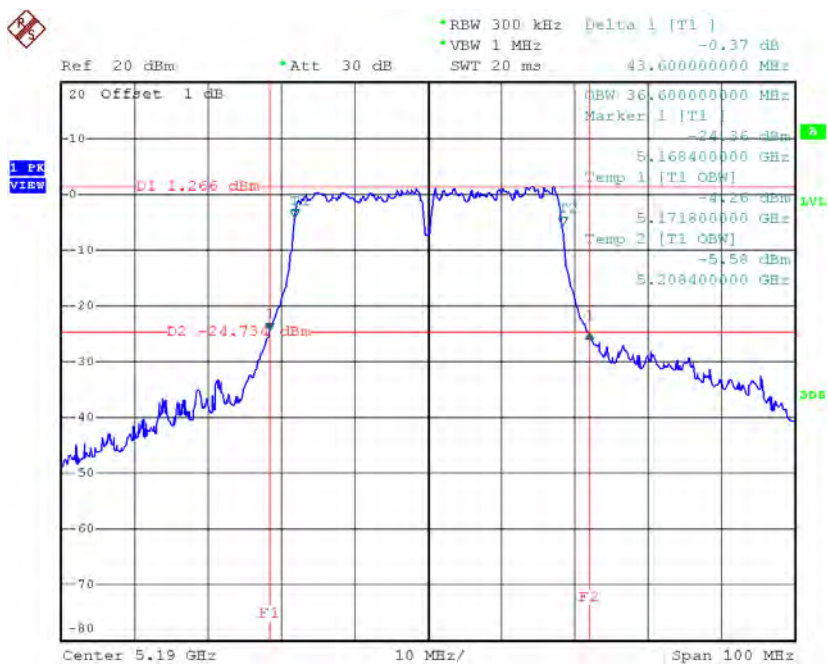


Date: 27.MAY.2015 22:37:17

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

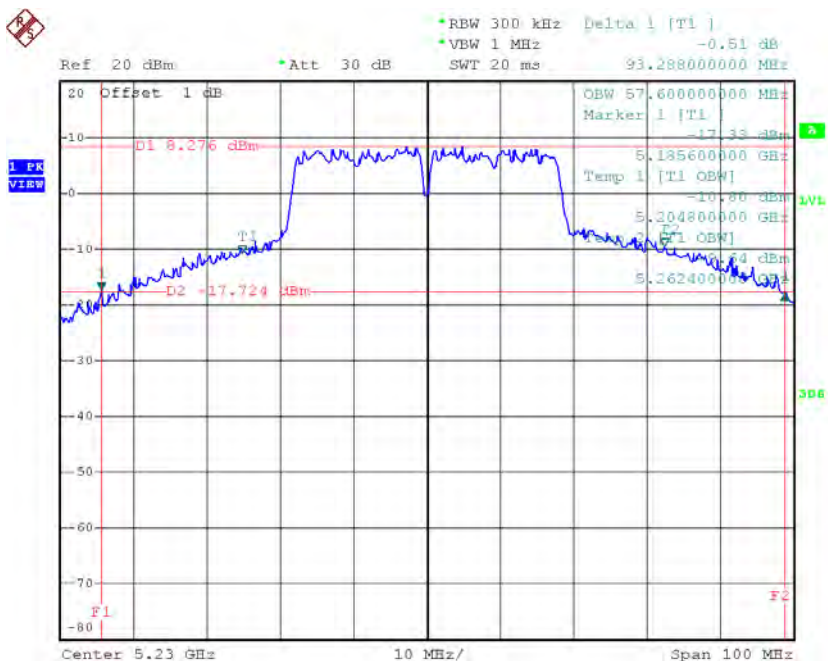
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	43.60	36.60
CH46	5230	93.29	57.60

TX CH38



Date: 27.MAY.2015 23:07:16

TX CH46

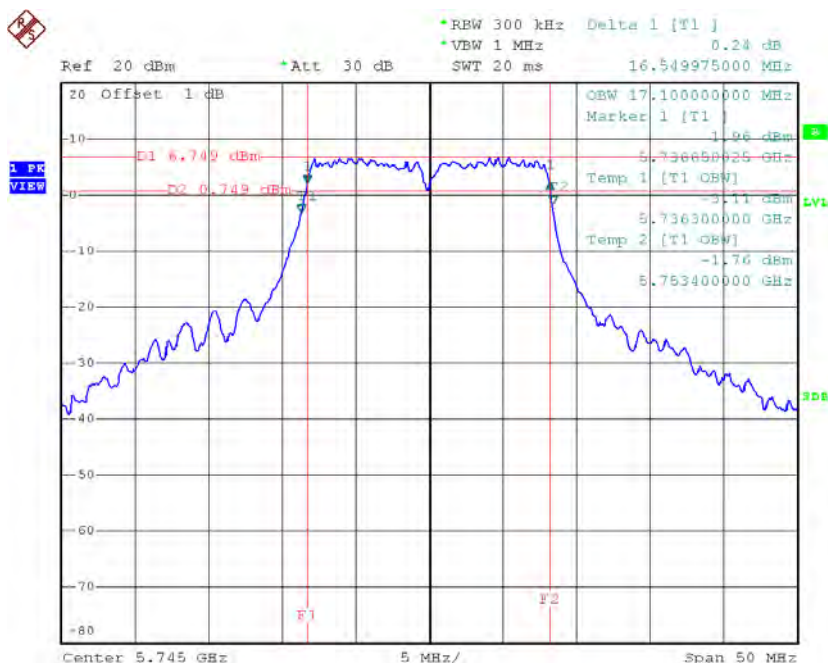


Date: 27.MAY.2015 23:09:16

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

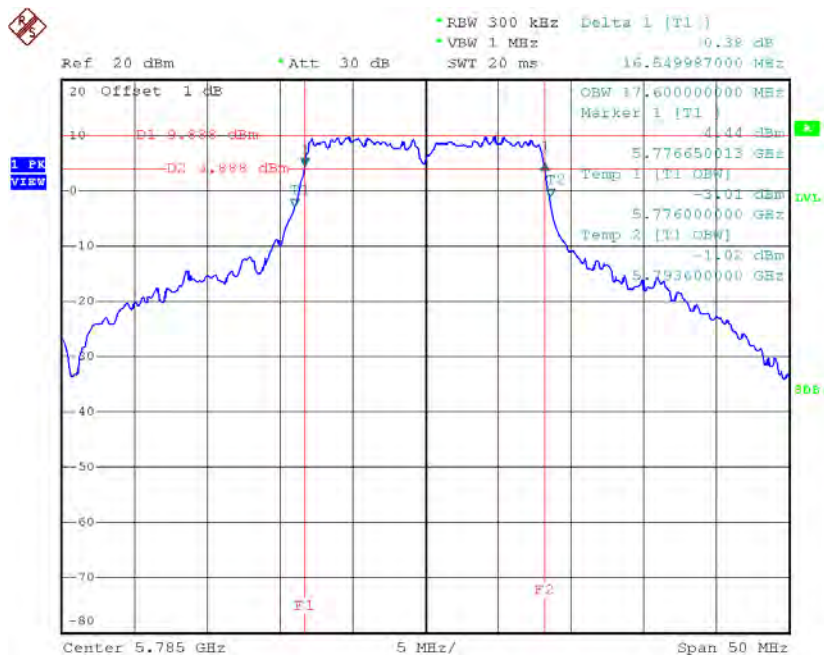
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.55	17.10	>=500
CH157	5785	16.55	17.60	>=500
CH165	5825	16.55	17.50	>=500

TX CH 149



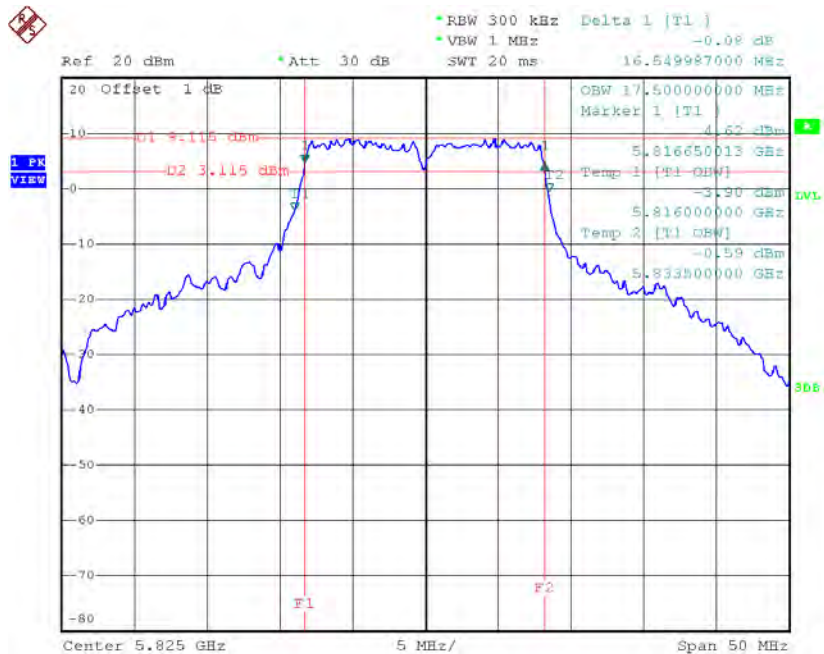
Date: 27.MAY.2015 22:22:39

TX CH 157



Date: 27.MAY.2015 22:23:55

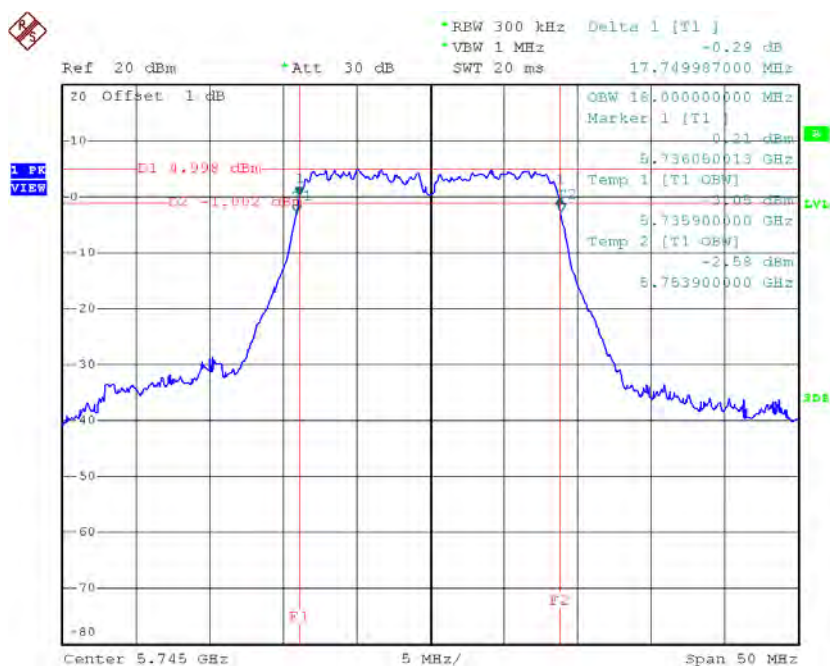
TX CH 165



Date: 27.MAY.2015 22:26:33

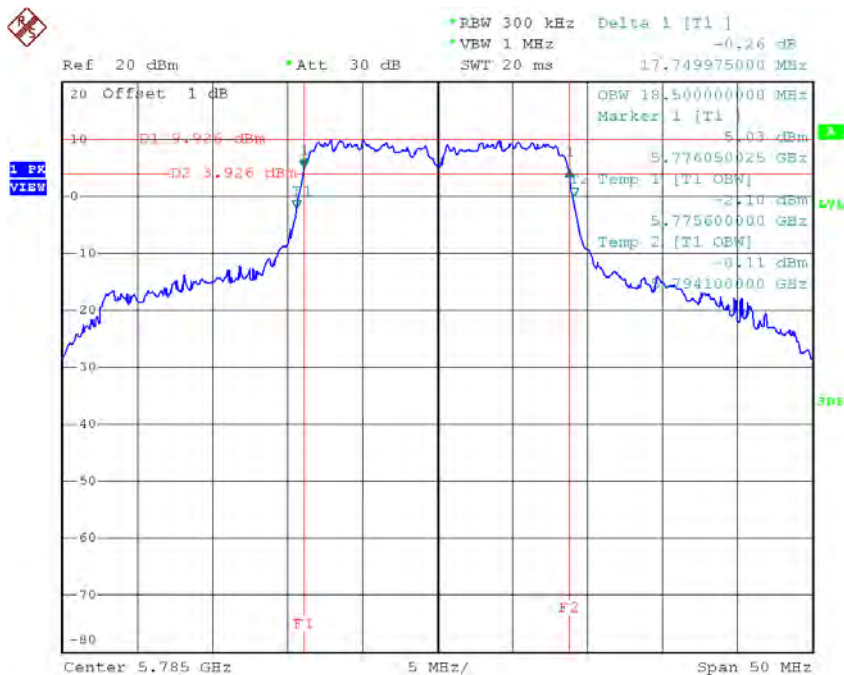
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.75	18.00	>=500
CH157	5785	17.75	18.50	>=500
CH165	5825	17.75	18.40	>=500

TX CH 149


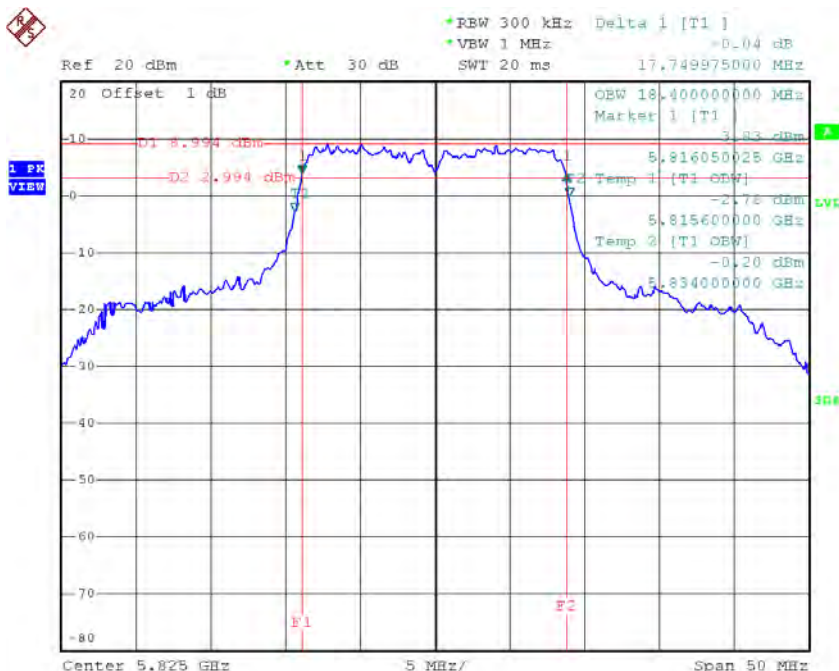
Date: 27.MAY.2015 22:44:18

TX CH 157



Date: 27.MAY.2015 22:46:00

TX CH 165

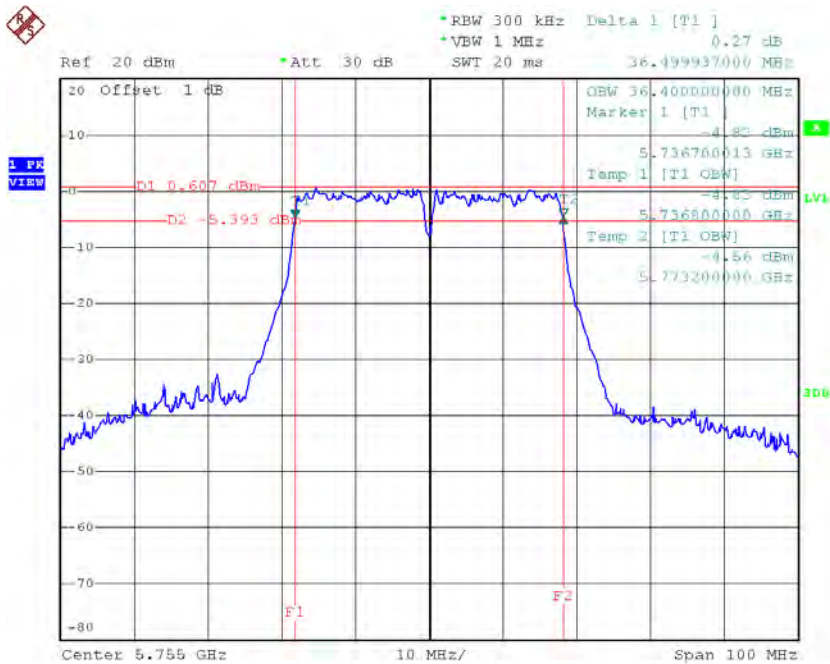


Date: 27.MAY.2015 22:46:37

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

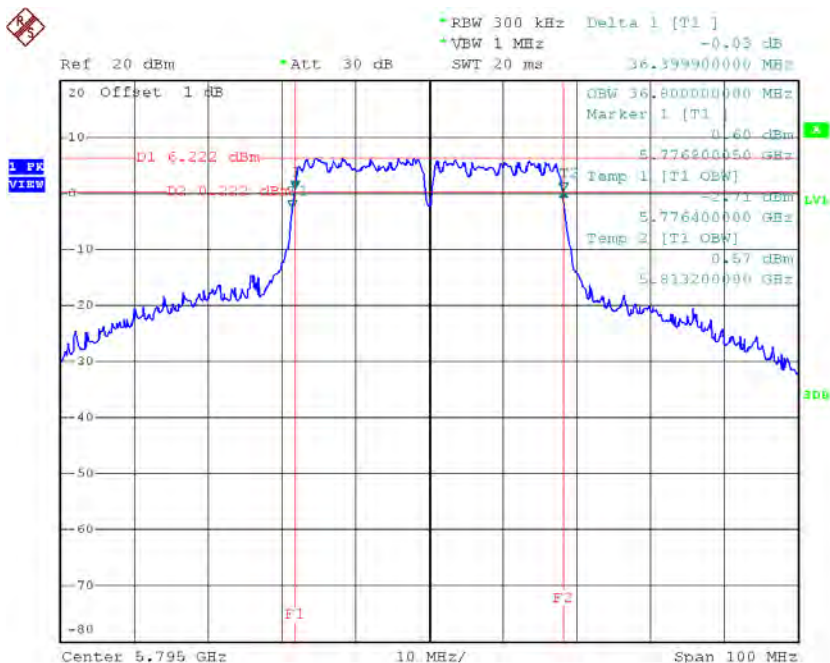
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.50	36.40	>=500
CH159	5795	36.40	36.80	>=500

TX CH 151



Date: 27.MAY.2015 23:11:46

TX CH 159

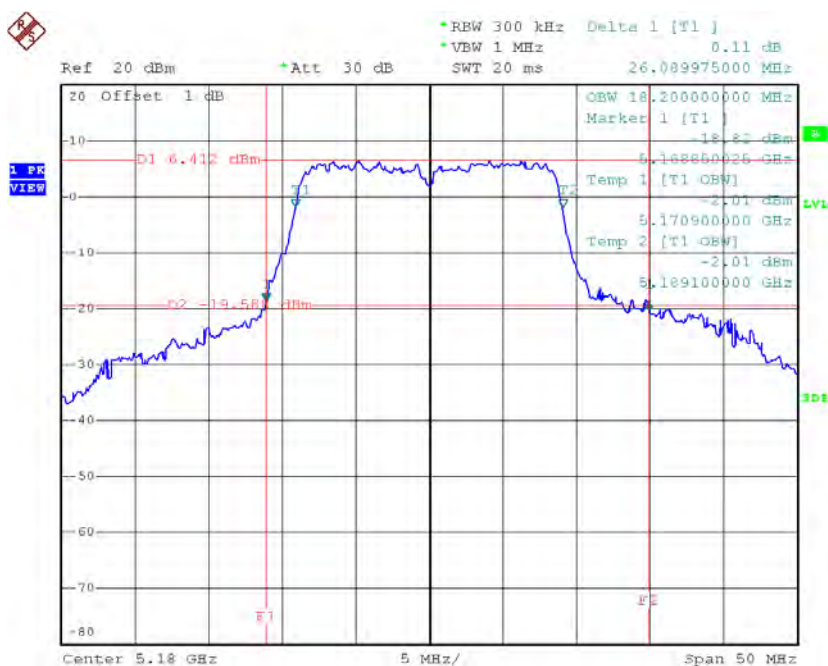


Date: 27.MAY.2015 23:13:48

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

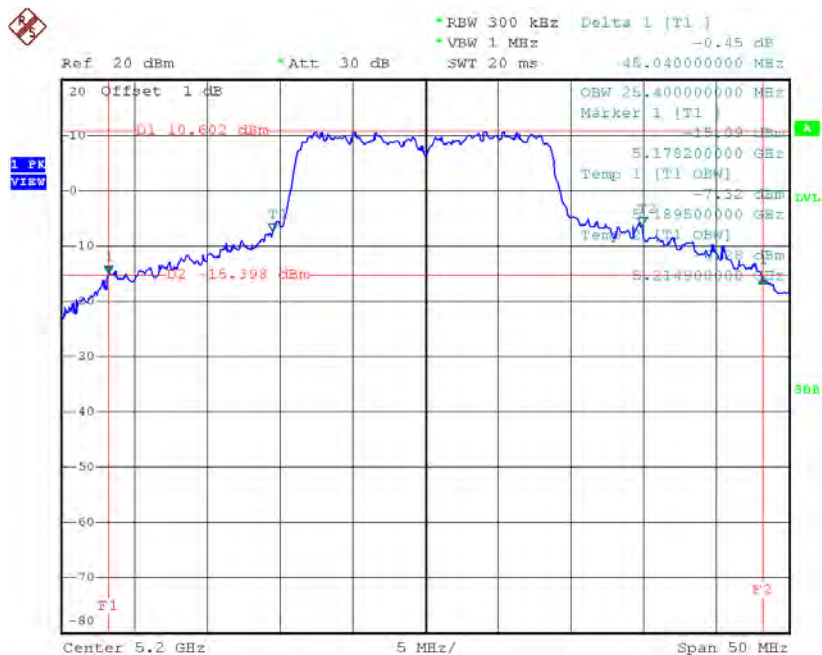
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	26.09	18.20
CH40	5200	45.04	25.40
CH48	5240	46.70	29.20

TX CH36



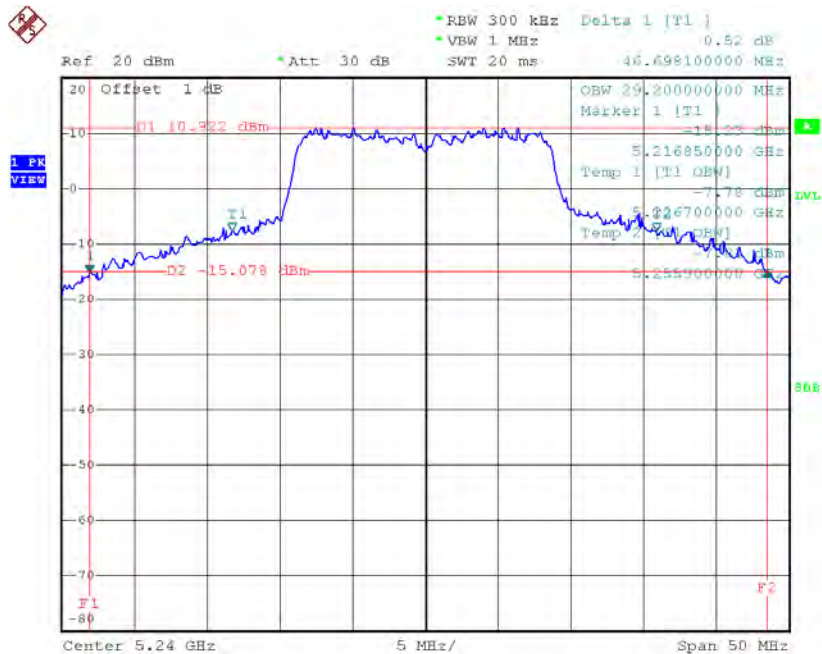
Date: 27.MAY.2015 22:55:26

TX CH40



Date: 27.MAY.2015 22:56:15

TX CH48

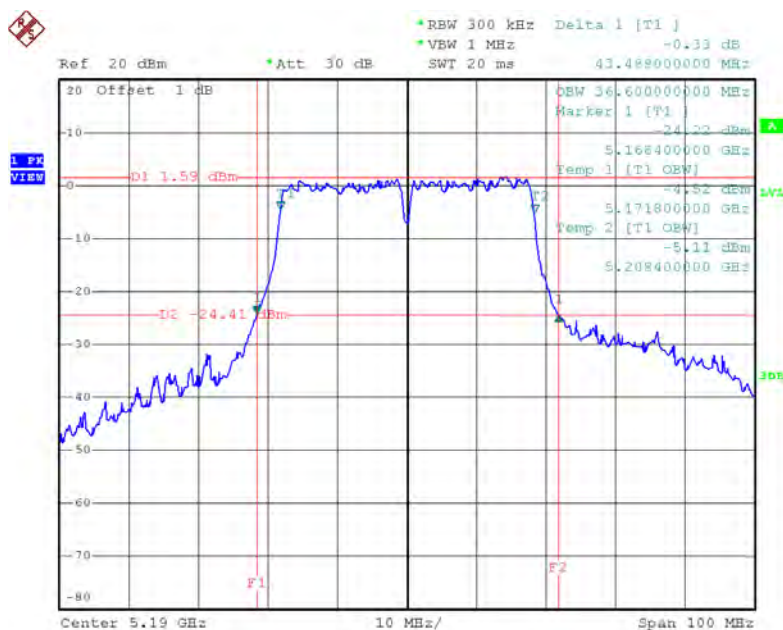


Date: 27.MAY.2015 22:57:03

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

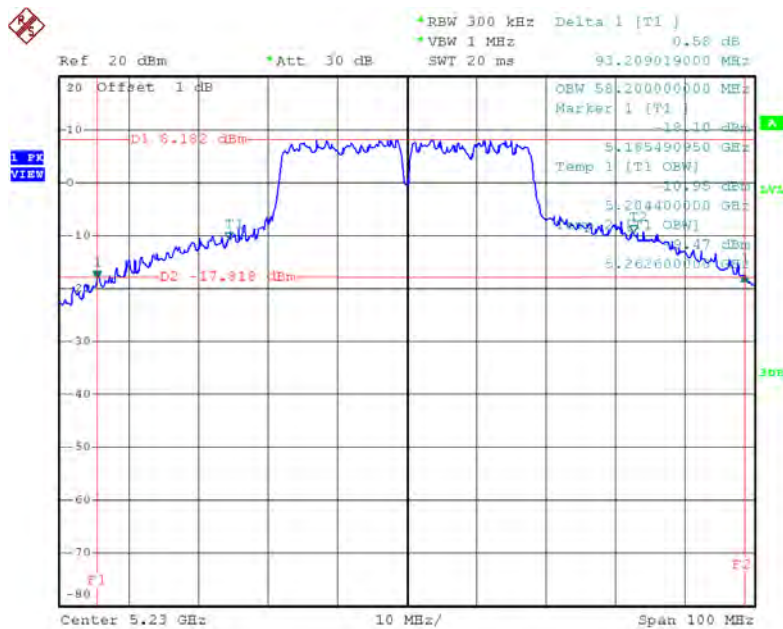
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	43.49	36.60
CH46	5230	93.21	58.20

TX CH38



Date: 27.MAY.2015 23:18:08

TX CH46

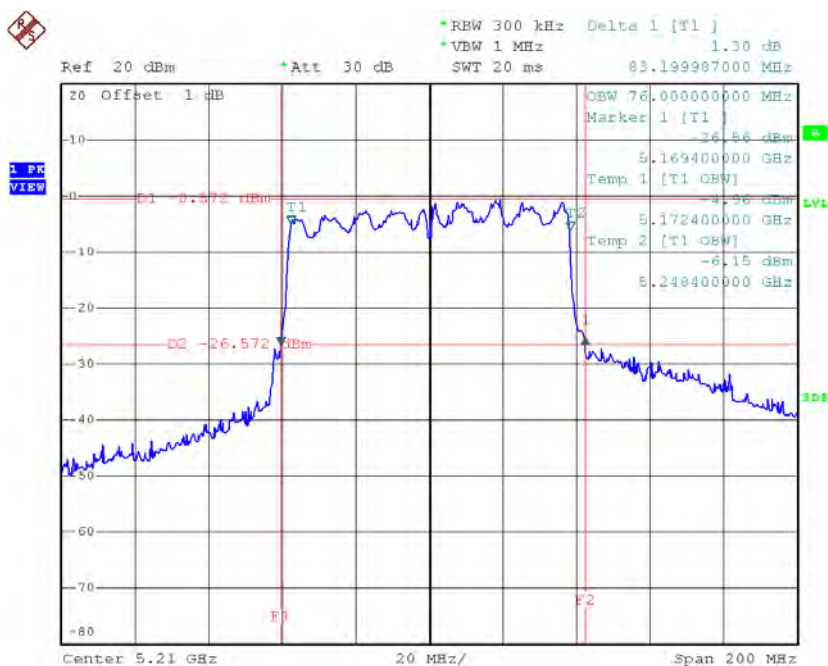


Date: 27.MAY.2015 23:19:19

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	83.20	76.00

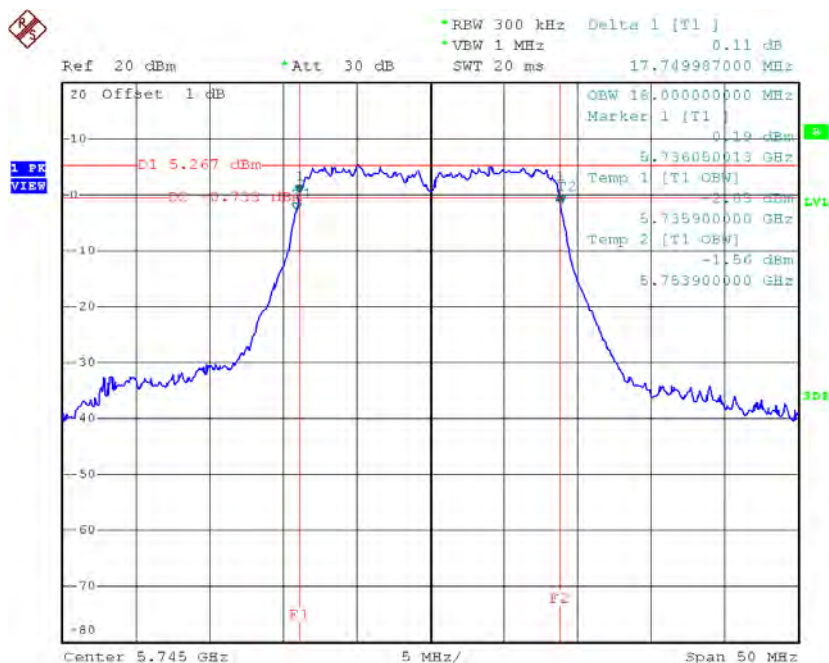
TX CH42



Date: 27.MAY.2015 23:27:05

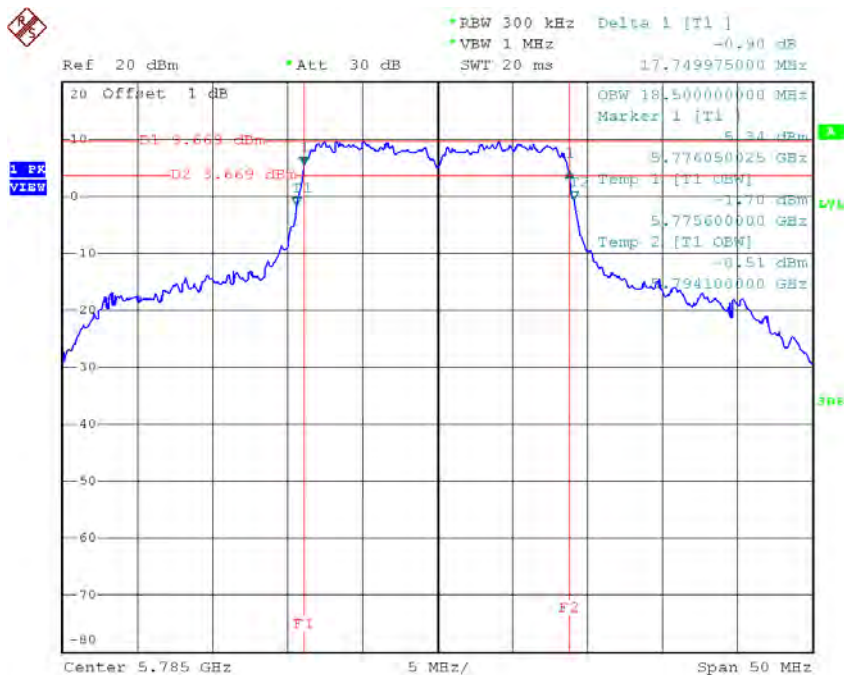
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.75	18.00	>=500
CH157	5785	17.75	18.50	>=500
CH165	5825	17.75	18.50	>=500

TX CH 149


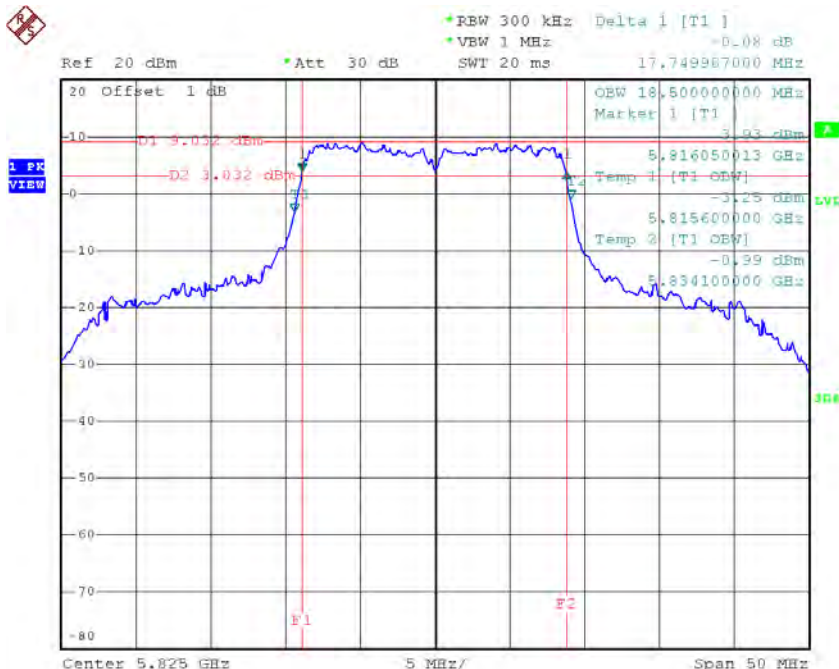
Date: 27.MAY.2015 22:59:06

TX CH 157



Date: 27.MAY.2015 23:00:12

TX CH 165

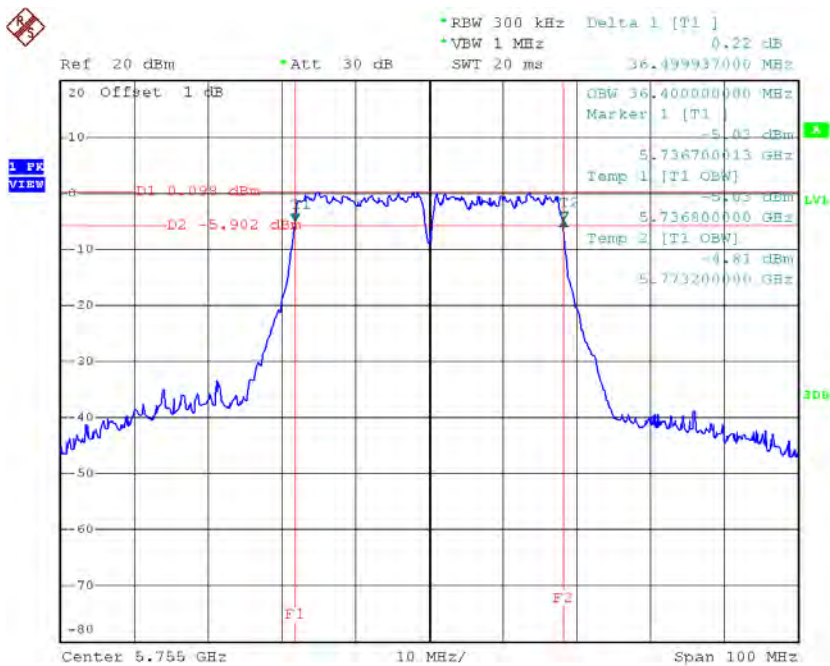


Date: 27.MAY.2015 23:00:56

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

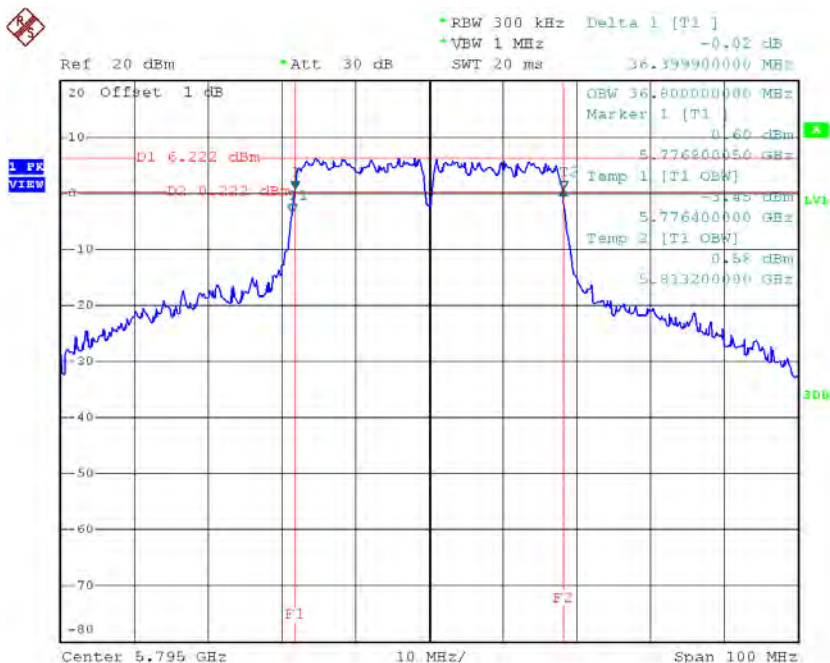
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.50	36.40	>=500
CH159	5795	36.40	36.80	>=500

TX CH 151



Date: 27.MAY.2015 23:21:09

TX CH 159

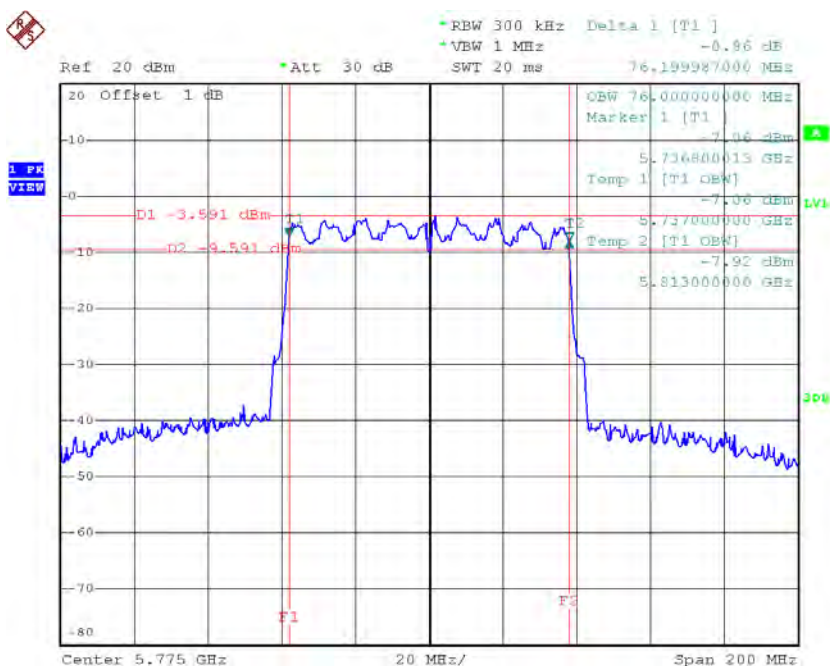


Date: 27.MAY.2015 23:22:03

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	76.20	76.00	>=500

TX CH 155



Date: 27.MAY.2015 23:29:57

Bandwidth Measurement Photos



ATTACHMENT F - MAXIMUM OUTPUT POWER

Test Mode: UNII-1/TX A Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	16.55	0.15	16.70	30.00	1.00
CH40	5200	15.76	0.15	15.91	30.00	1.00
CH48	5240	15.69	0.15	15.84	30.00	1.00

Test Mode: UNII-1/TX N20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	14.09	0.30	14.39	30.00	1.00
CH40	5200	15.46	0.30	15.76	30.00	1.00
CH48	5240	15.45	0.30	15.75	30.00	1.00

Test Mode: UNII-1/TX N40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	12.81	0.25	13.06	30.00	1.00
CH46	5230	18.29	0.25	18.54	30.00	1.00

Test Mode: UNII-3/ TX A Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	15.53	0.15	15.68	30.00	1.00
CH157	5785	18.31	0.15	18.46	30.00	1.00
CH165	5825	17.51	0.15	17.66	30.00	1.00

Test Mode: UNII-3/TX N20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	13.89	0.30	14.19	30.00	1.00
CH157	5785	18.23	0.30	18.53	30.00	1.00
CH165	5825	17.44	0.30	17.74	30.00	1.00

Test Mode: UNII-3/ TX N40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	11.87	0.25	12.12	30.00	1.00
CH159	5795	17.62	0.25	17.87	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	15.15	0.39	15.54	30.00	1.00
CH40	5200	15.65	0.39	16.04	30.00	1.00
CH48	5240	15.47	0.39	15.86	30.00	1.00

Test Mode: UNII-1/TX AC40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	12.63	0.25	12.88	30.00	1.00
CH46	5230	18.22	0.25	18.47	30.00	1.00

Test Mode: UNII-1/TX AC80 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	12.06	0.79	12.85	30.00	1.00

Test Mode: UNII-3/TX AC20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	13.68	0.39	14.07	30.00	1.00
CH157	5785	18.52	0.39	18.91	30.00	1.00
CH165	5825	17.48	0.39	17.87	30.00	1.00

Test Mode: UNII-3/TX AC40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	11.65	0.25	11.90	30.00	1.00
CH159	5795	17.61	0.25	17.86	30.00	1.00

Test Mode: UNII-3/TX AC80 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	9.62	0.79	10.41	30.00	1.00

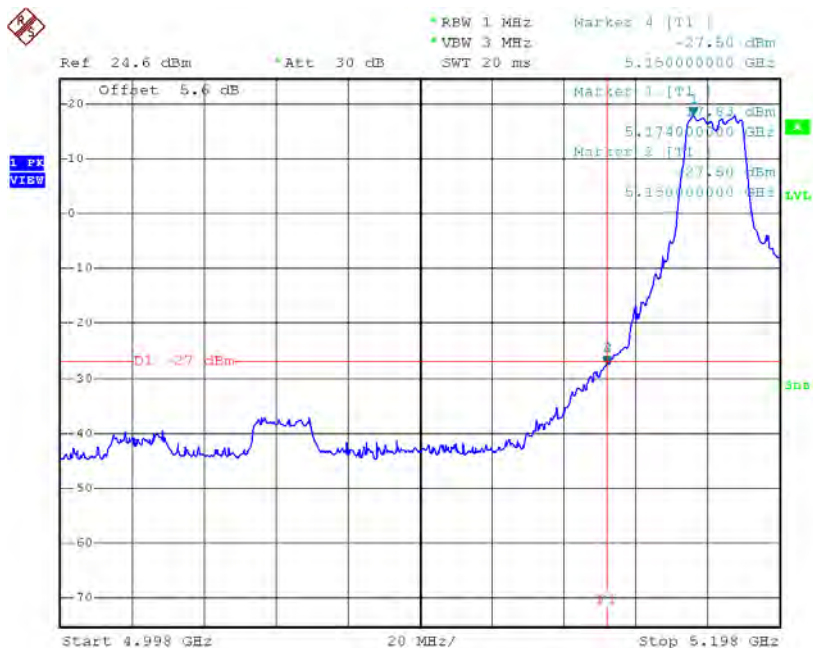
Conducted output power Measurement Photos



ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

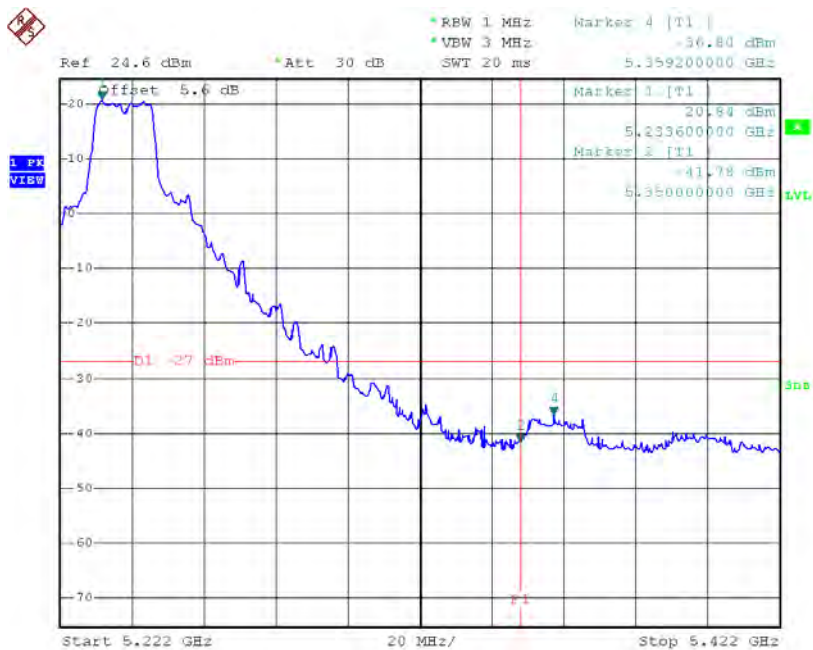
Test Mode: UNII-1/TX A Mode

TX mode CH36



Date: 27.MAY.2015 22:17:36

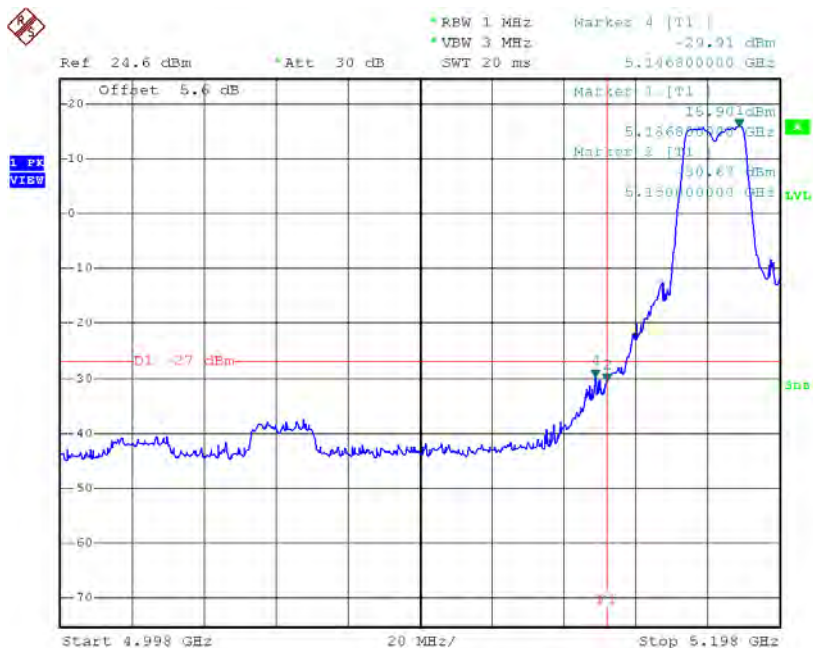
TX mode CH48



Date: 27.MAY.2015 22:19:53

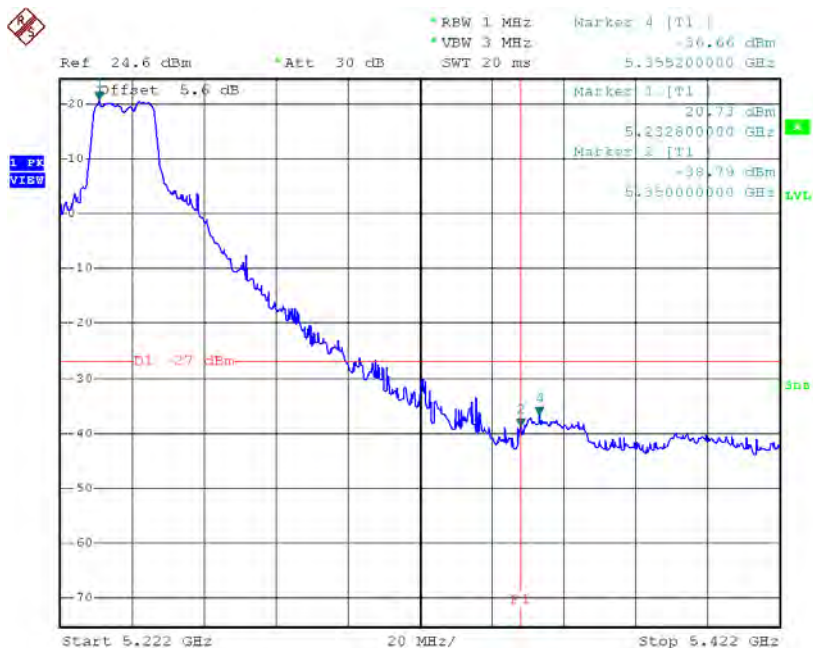
Test Mode: UNII-1/TX N20 Mode

TX mode CH36



Date: 27.MAY.2015 22:35:48

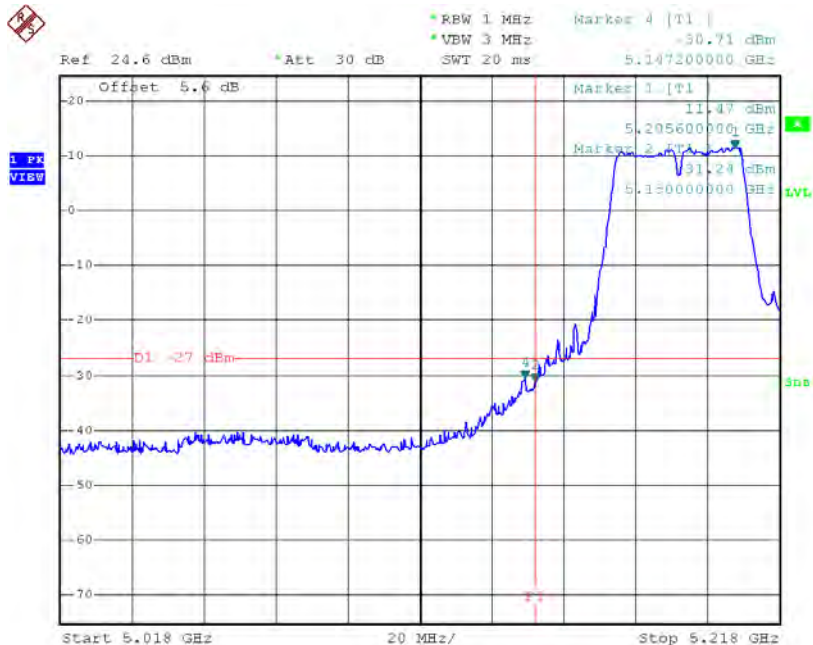
TX mode CH48



Date: 27.MAY.2015 22:37:34

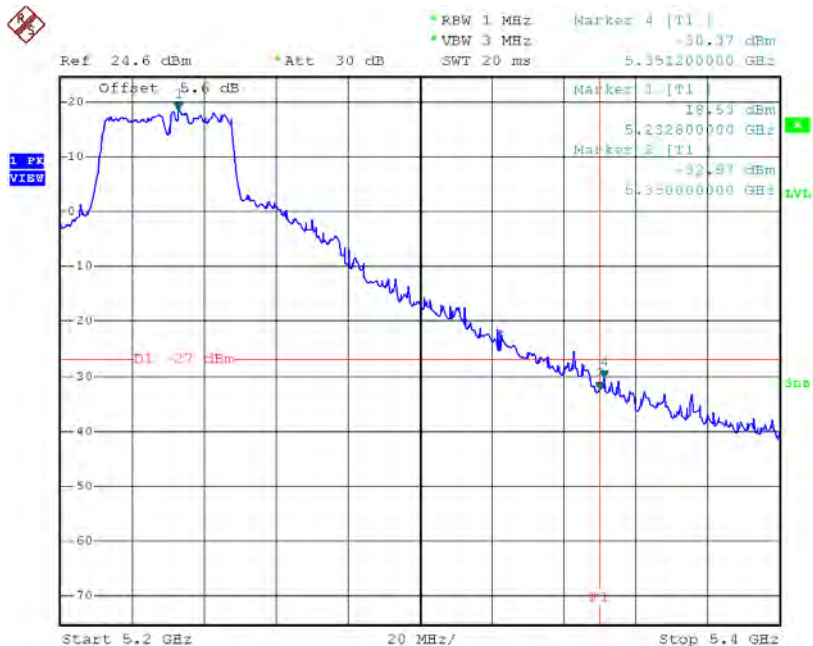
Test Mode: UNII-1/TX N40 Mode

TX mode CH38



Date: 27.MAY.2015 23:08:16

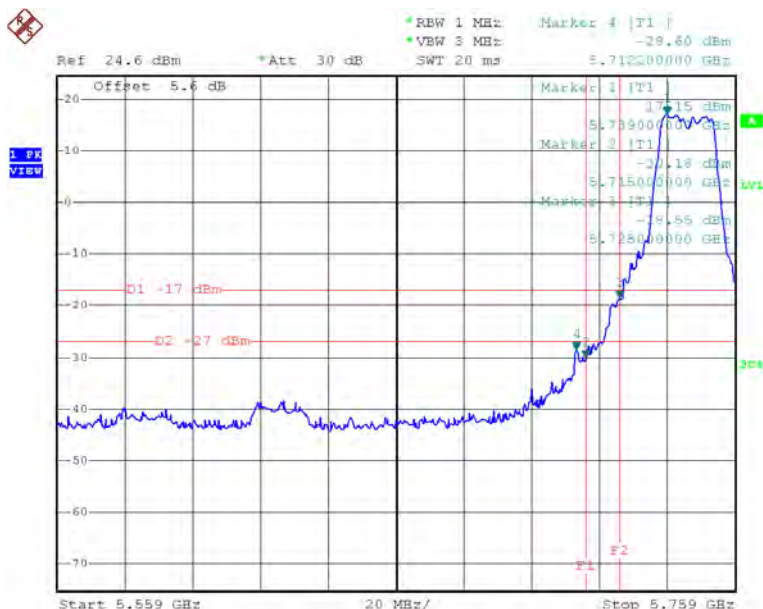
TX mode CH46



Date: 27.MAY.2015 23:09:33

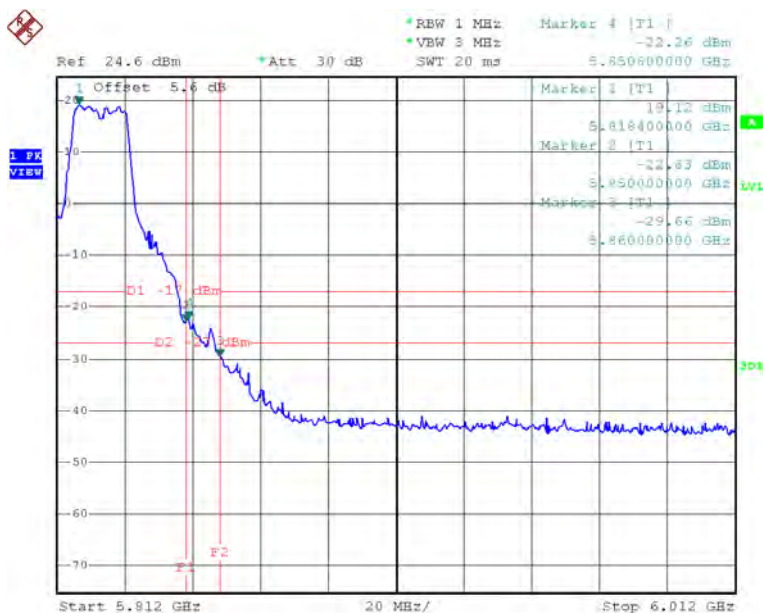
Test Mode: UNII-3/TX A Mode

TX A Mode CH149



Date: 27.MAY.2015 22:22:56

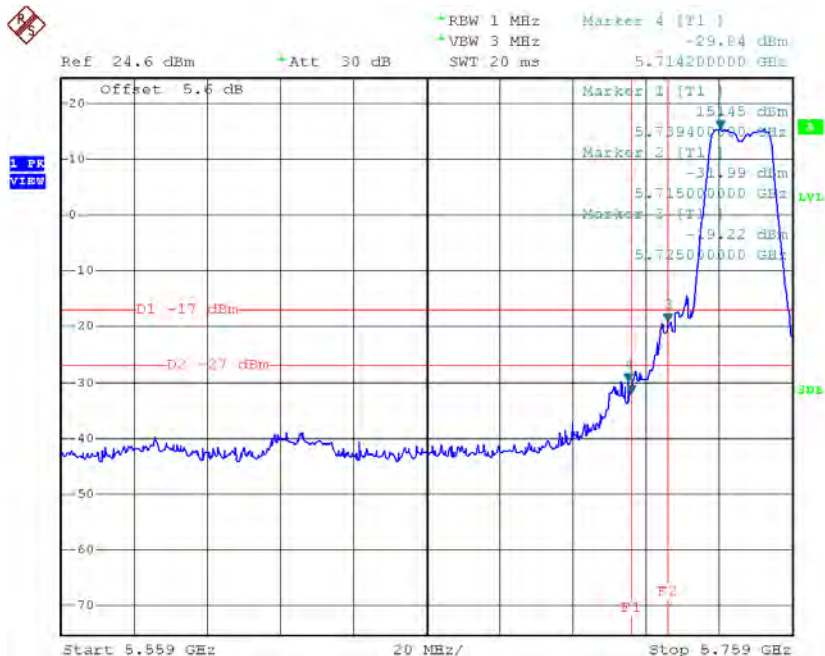
TX A Mode CH165



Date: 27.MAY.2015 22:26:50

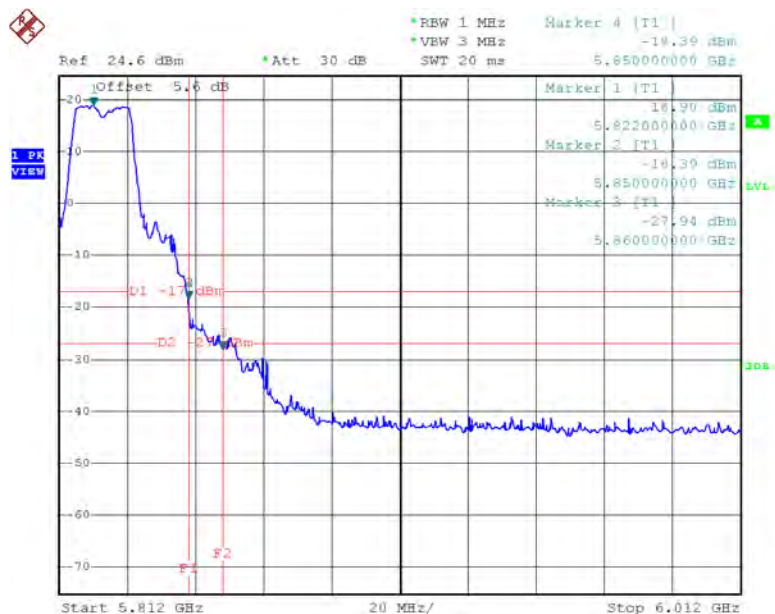
Test Mode: UNII-3/TX N20 Mode

TX HT20 mode CH149



Date: 27.MAY.2015 22:45:20

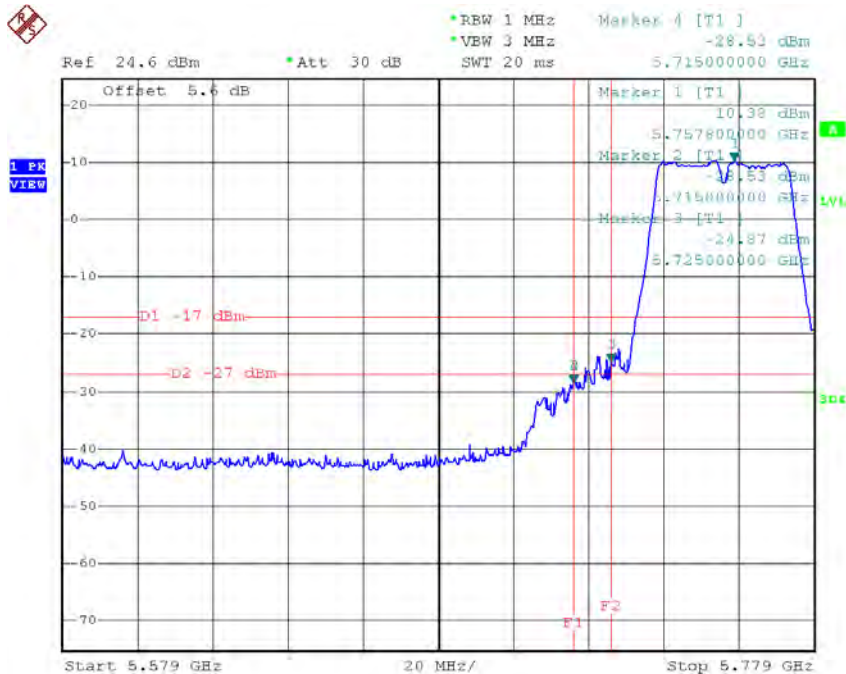
TX HT20 mode CH165



Date: 27.MAY.2015 22:46:54

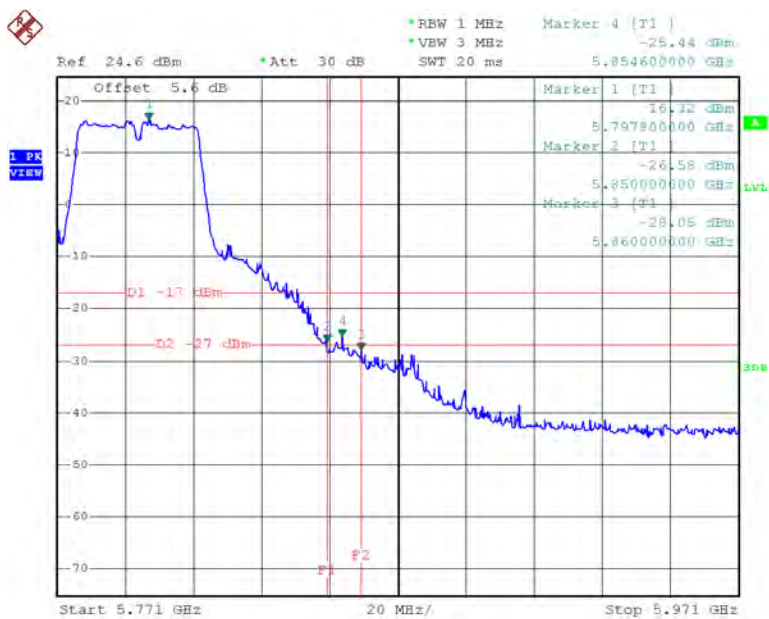
Test Mode: UNII-3/TX N40 Mode

UNII-3/TX HT40 mode CH151



Date: 27.MAY.2015 23:12:31

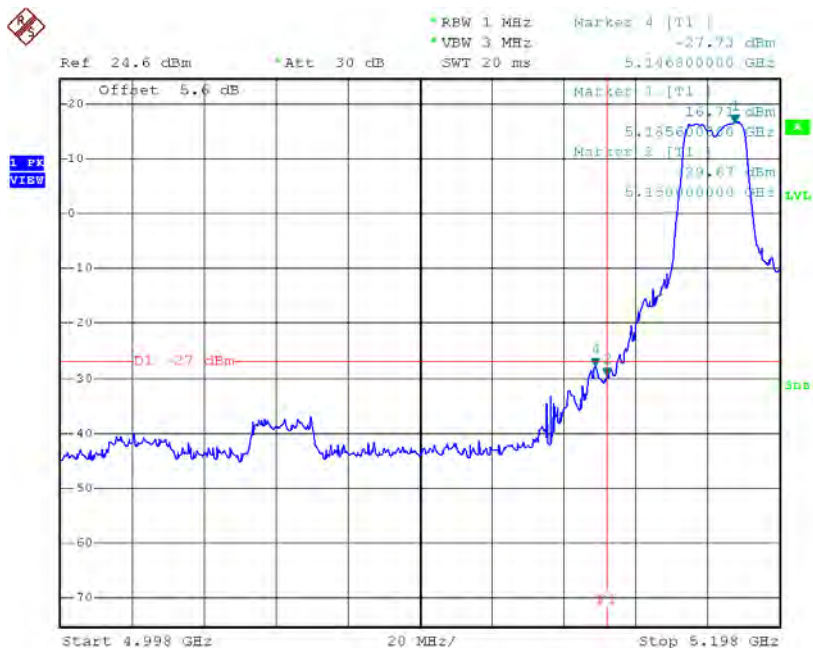
UNII-3/TX HT40 mode CH159



Date: 27.MAY.2015 23:14:05

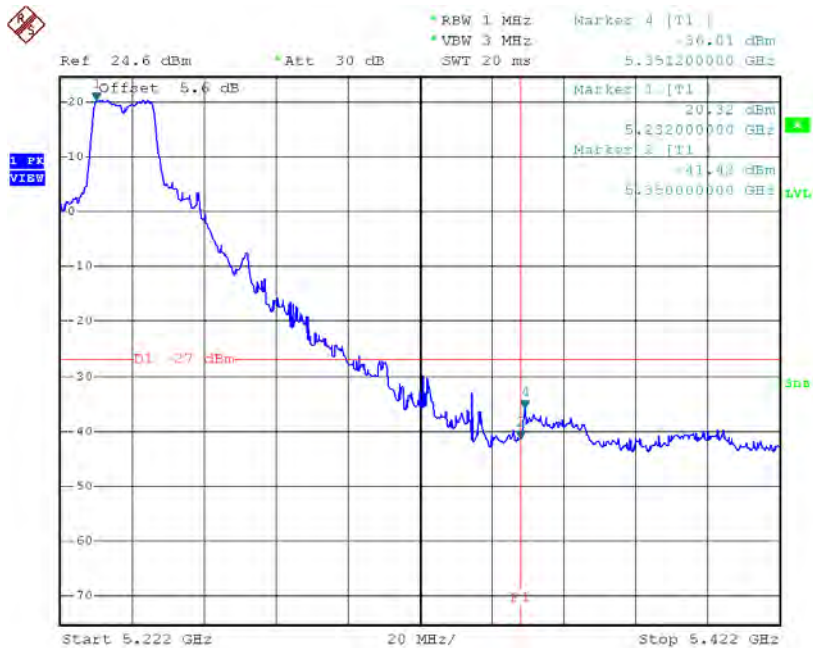
Test Mode: UNII-1/TX AC20 Mode

TX mode CH36



Date: 27.MAY.2015 22:55:43

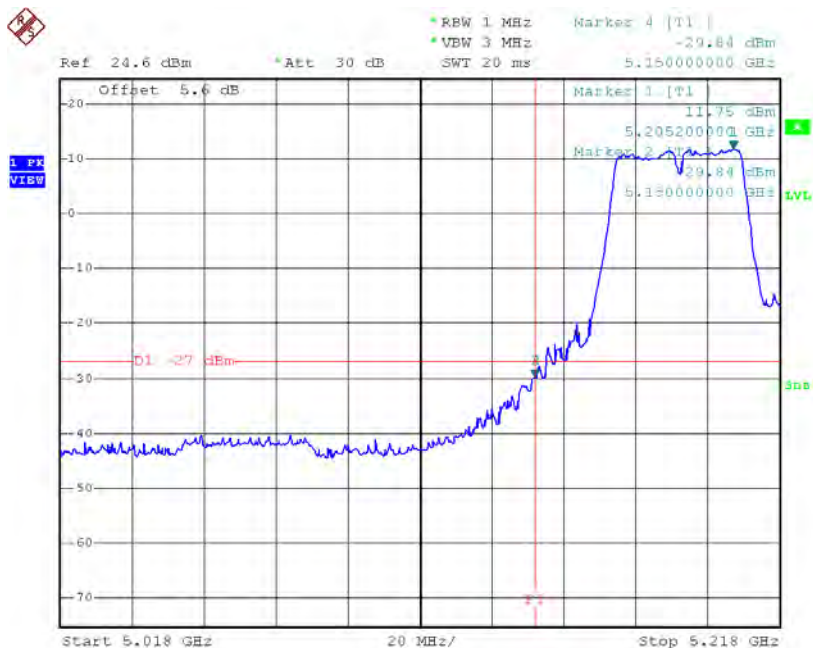
TX mode CH48



Date: 27.MAY.2015 22:57:20

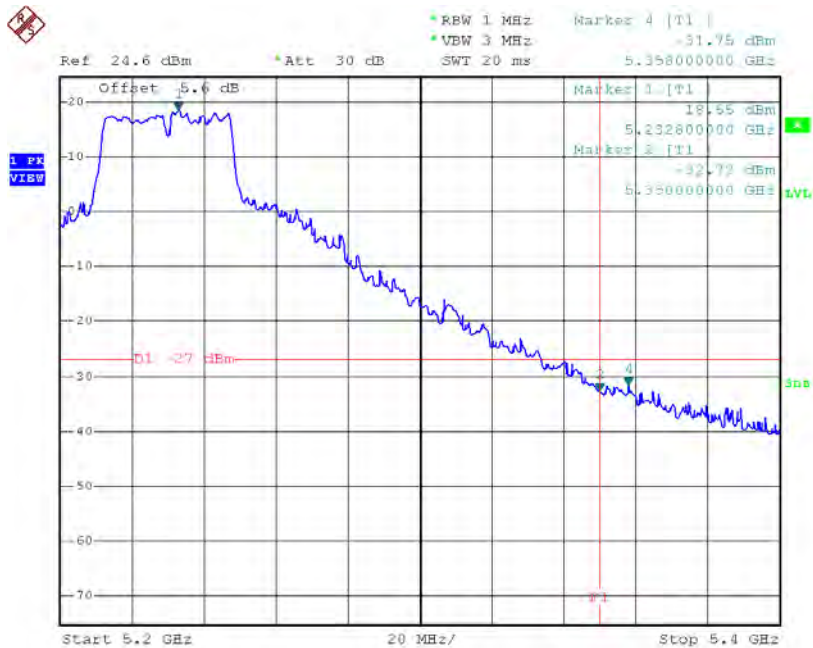
Test Mode: UNII-1/TX AC40 Mode

TX mode CH38



Date: 27.MAY.2015 23:18:25

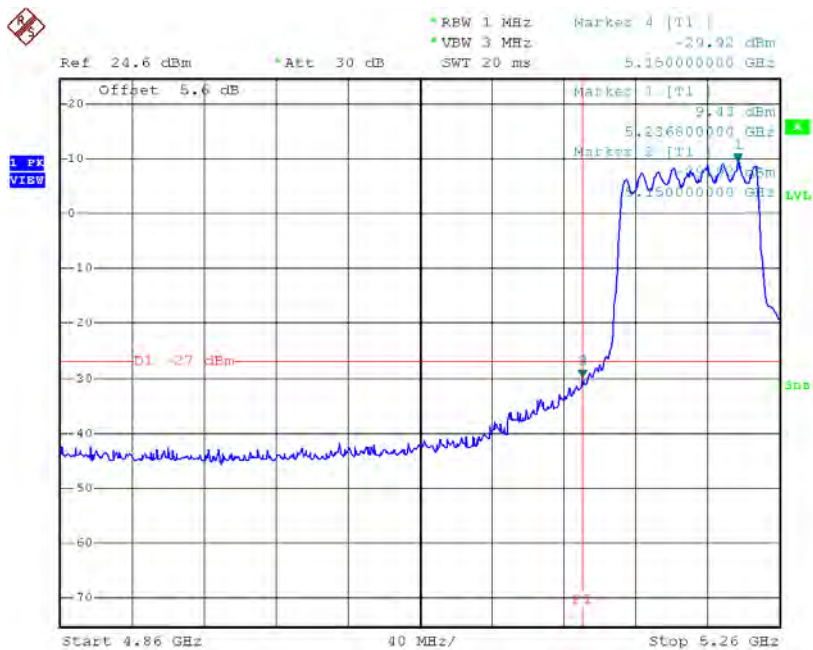
TX mode CH46



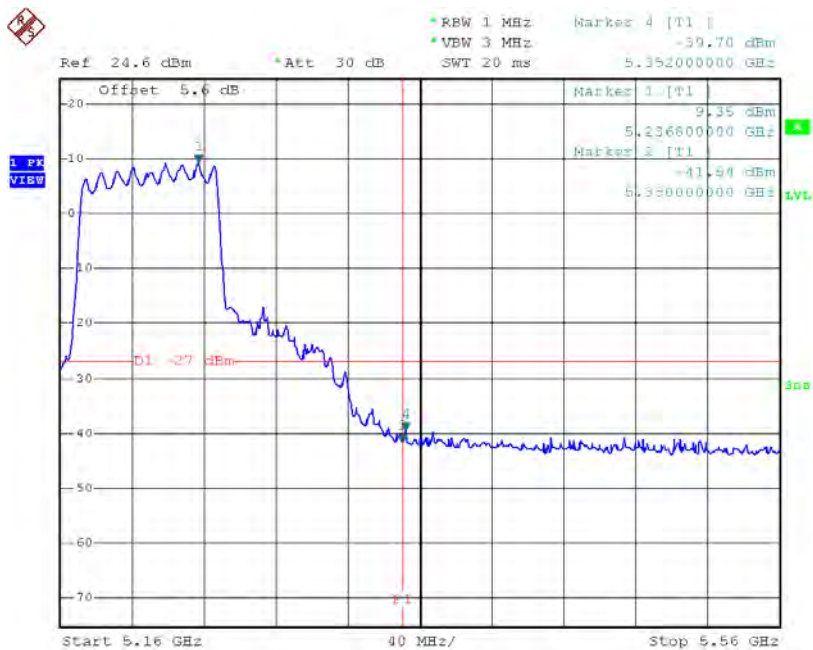
Date: 27.MAY.2015 23:19:36

Test Mode: UNII-1/TX AC80 Mode

TX mode CH42



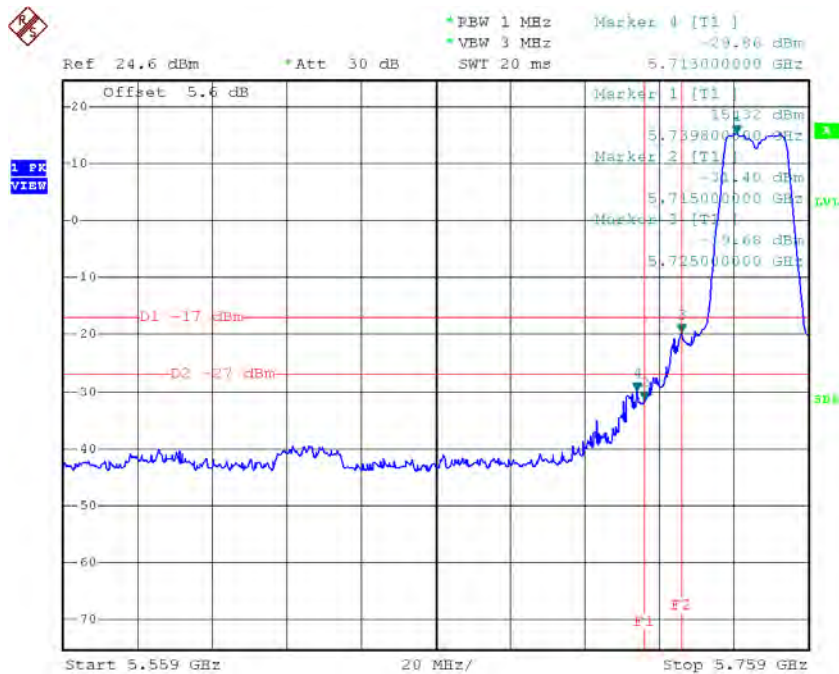
Date: 27.MAY.2015 23:28:05



Date: 27.MAY.2015 23:28:12

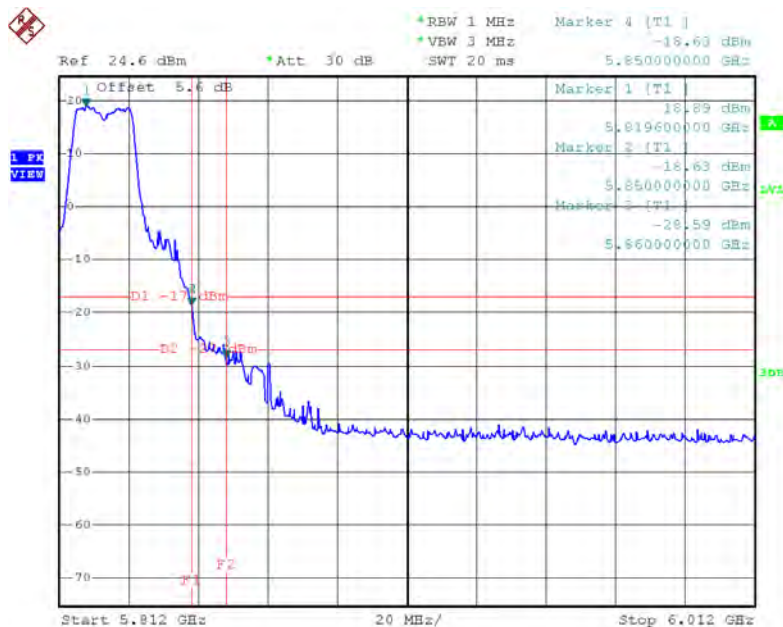
Test Mode: UNII-3/TX AC20 Mode

TX AC HT20 mode CH149



Date: 27.MAY.2015 22:59:23

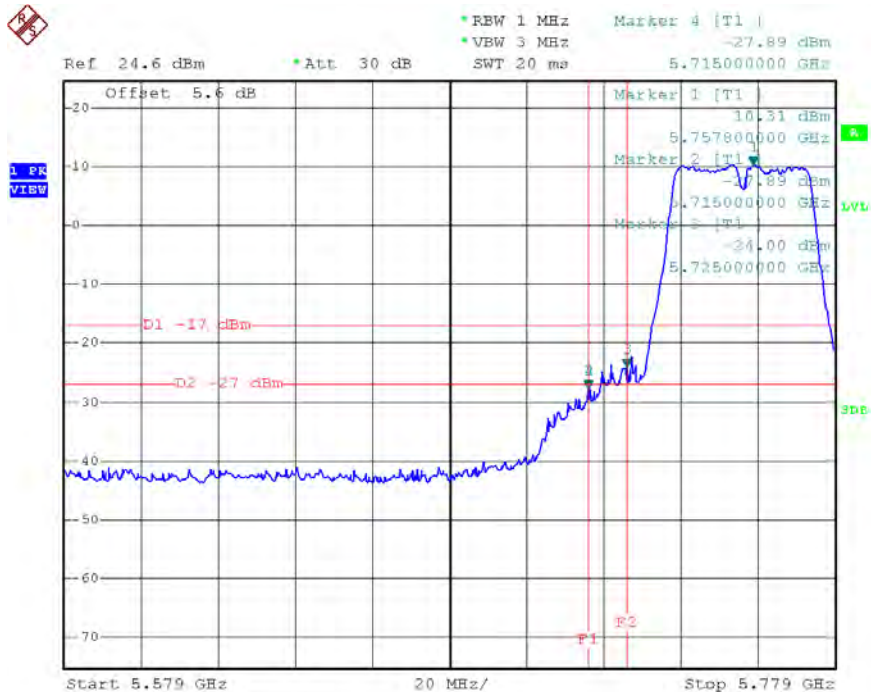
TX AC HT20 mode CH165



Date: 27.MAY.2015 23:01:14

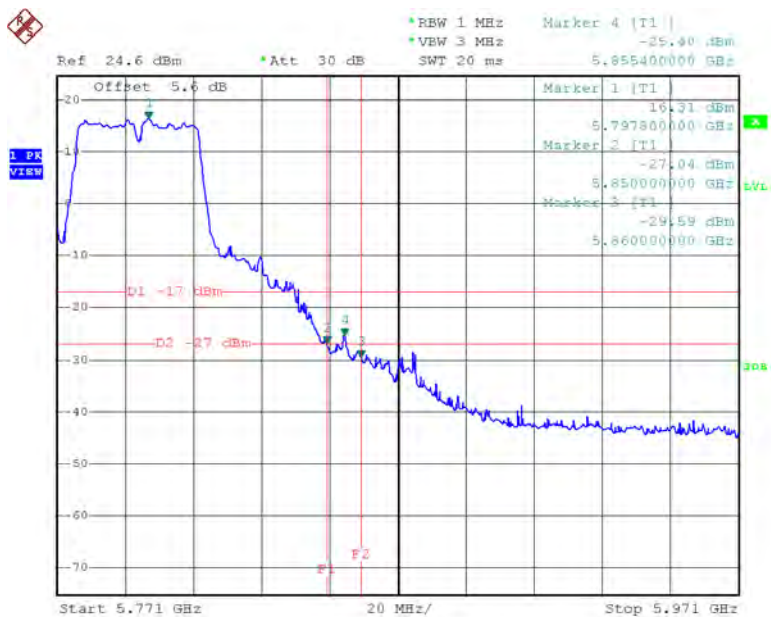
Test Mode: UNII-3/TX AC40 Mode

TX AC HT40 mode CH151



Date: 27.MAY.2015 23:21:27

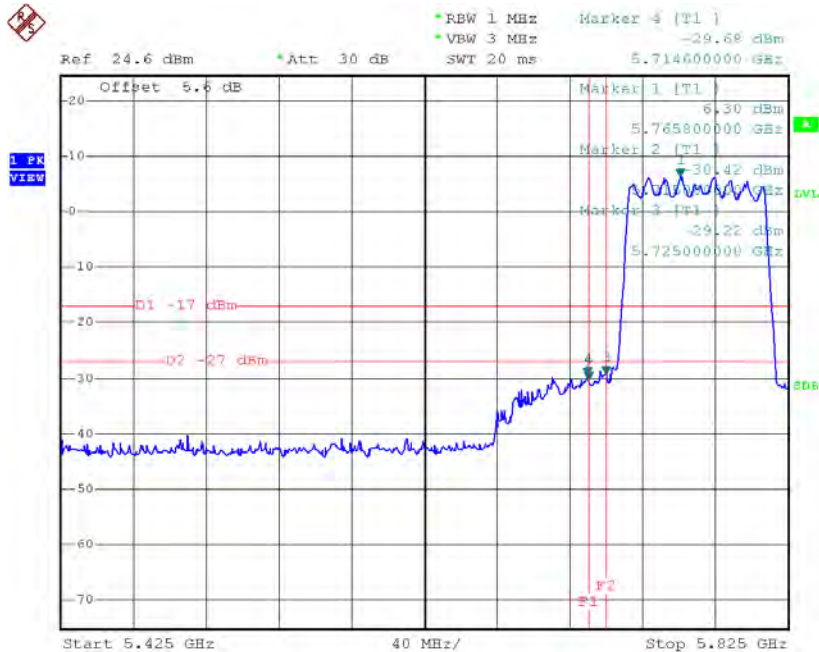
TX AC HT40 mode CH159



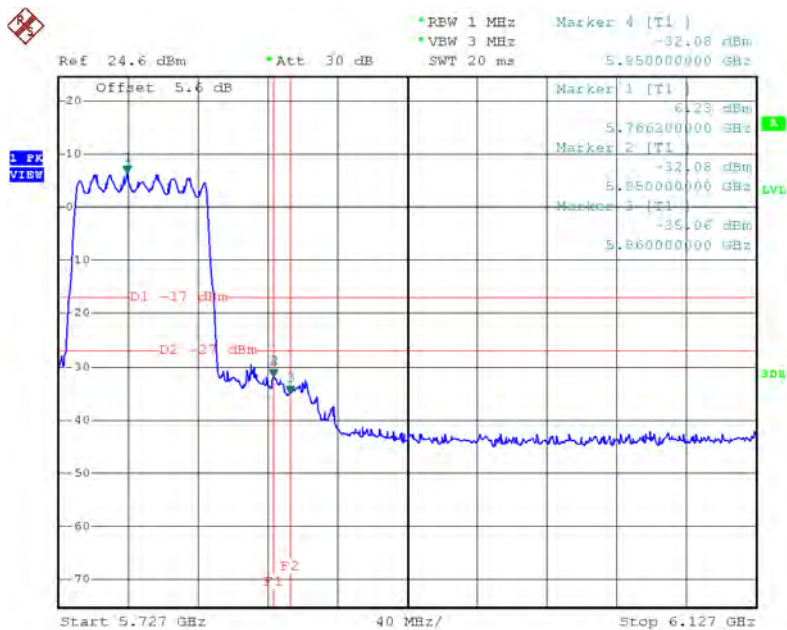
Date: 27.MAY.2015 23:22:20

Test Mode: UNII-3/TX AC80 Mode

TX AC HT80 mode CH155



Date: 27.MAY.2015 23:30:17



Date: 27.MAY.2015 23:30:33

Antenna conducted Measurement Photos

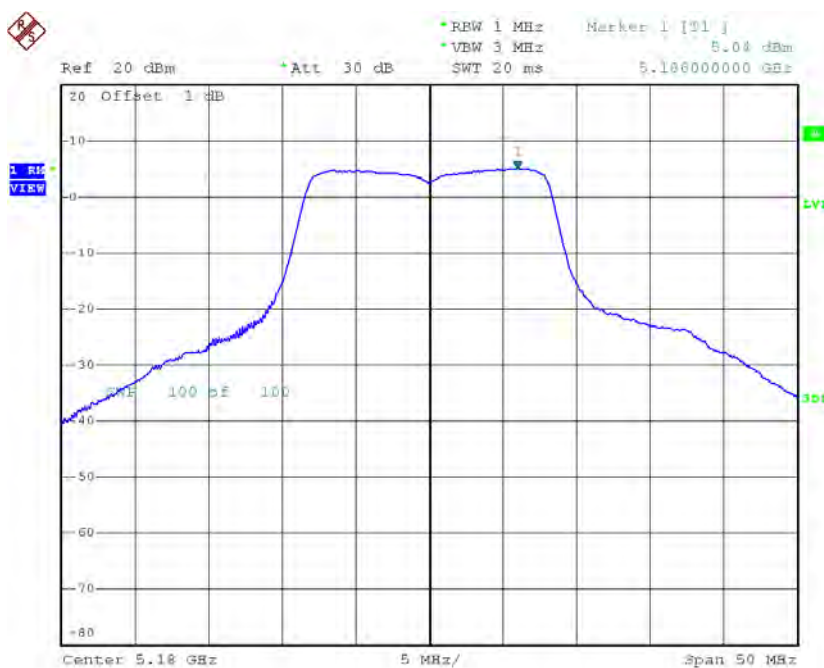


ATTACHMENT H - POWER SPECTRAL DENSITY

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

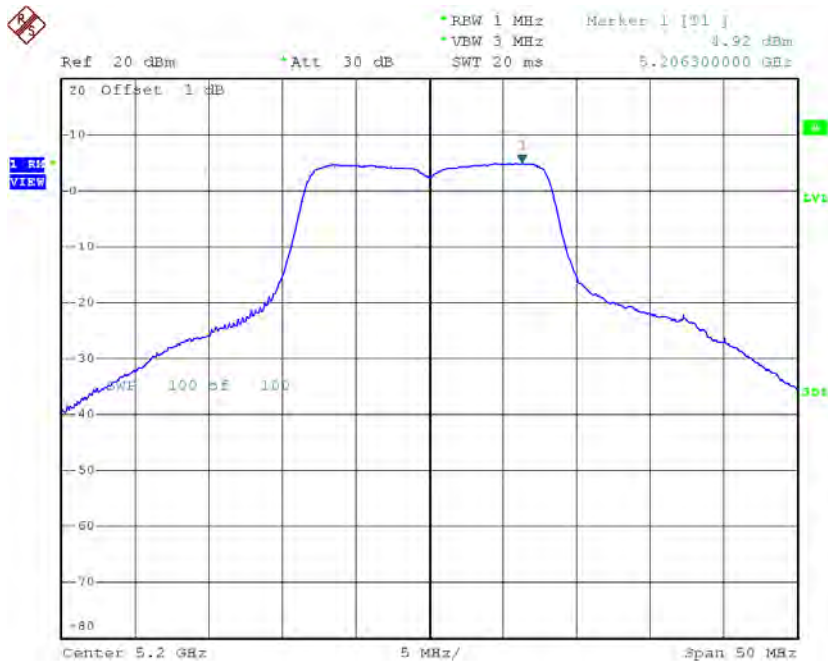
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	5.04	0.15	5.19	17.00
CH40	5200	4.92	0.15	5.07	17.00
CH48	5240	5.20	0.15	5.35	17.00

CH36



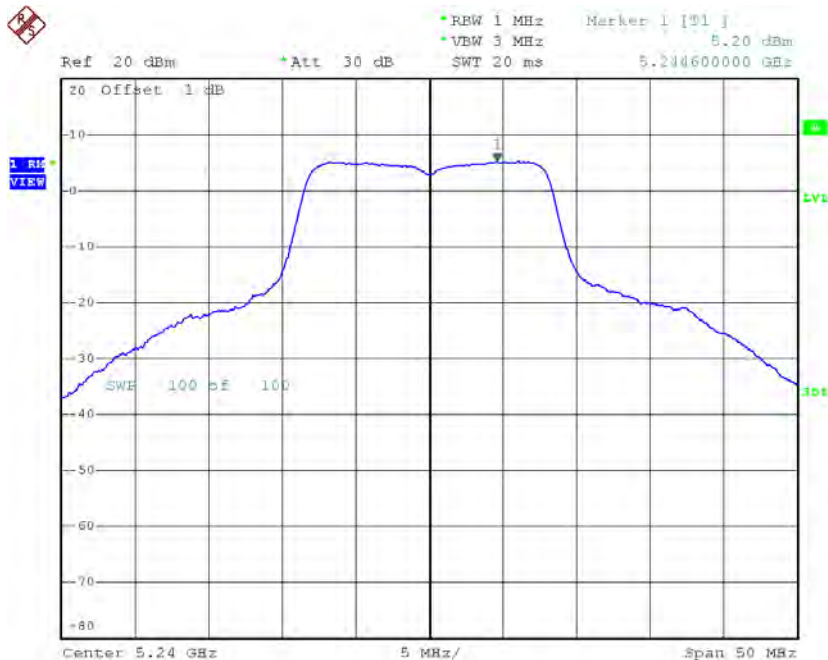
Date: 24.JUN.2015 18:52:44

CH40



Date: 24.JUN.2015 18:55:49

CH48



Date: 25.JUN.2015 15:45:35

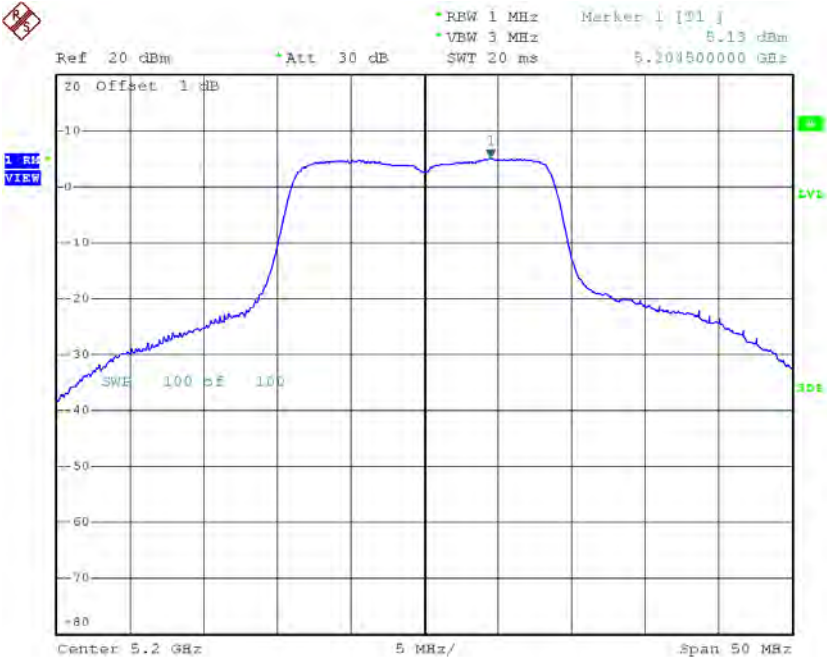
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	3.36	0.30	3.66	17.00
CH40	5200	5.13	0.30	5.27	17.00
CH48	5240	5.29	0.30	5.09	17.00



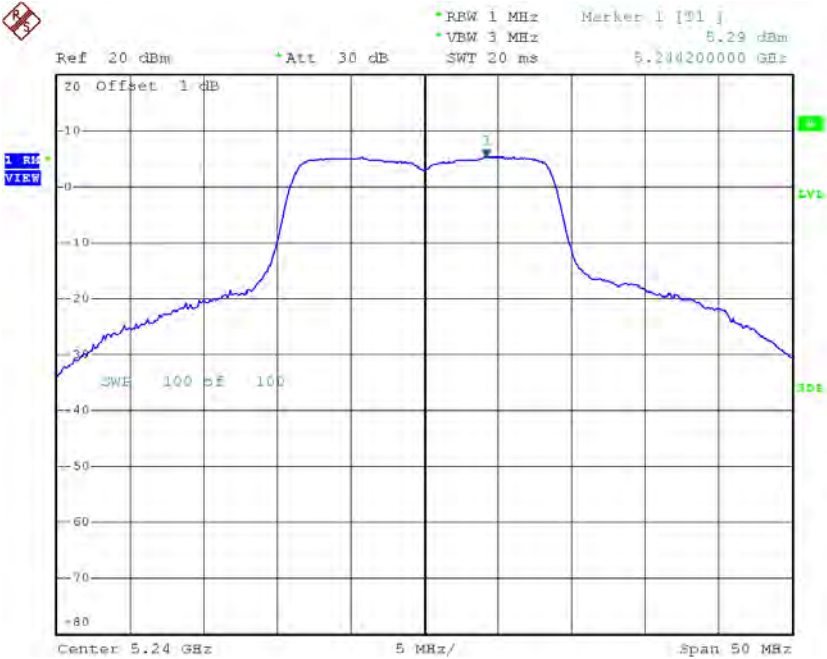
Date: 27.MAY.2015 22:30:51

CH40



Date: 24.JUN.2015 19:01:04

CH48

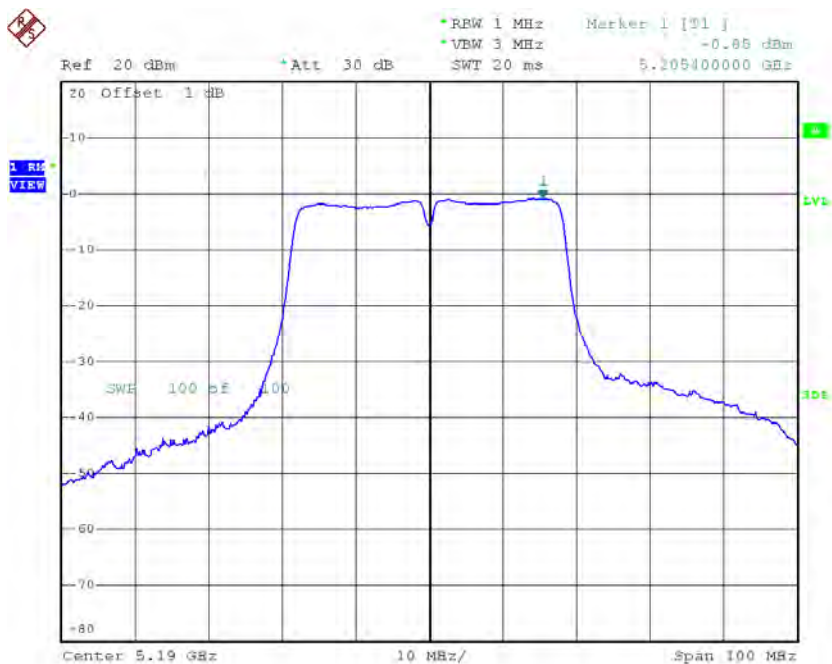


Date: 24.JUN.2015 19:02:43

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

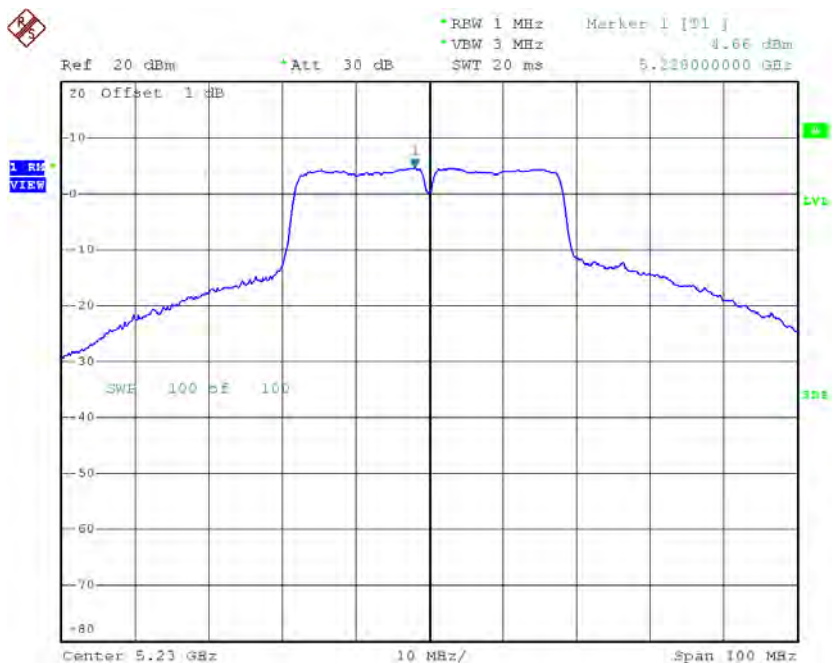
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-0.85	0.25	-0.60	17.00
CH46	5230	4.66	0.25	4.91	17.00

CH38



Date: 27.MAY.2015 23:07:25

CH46

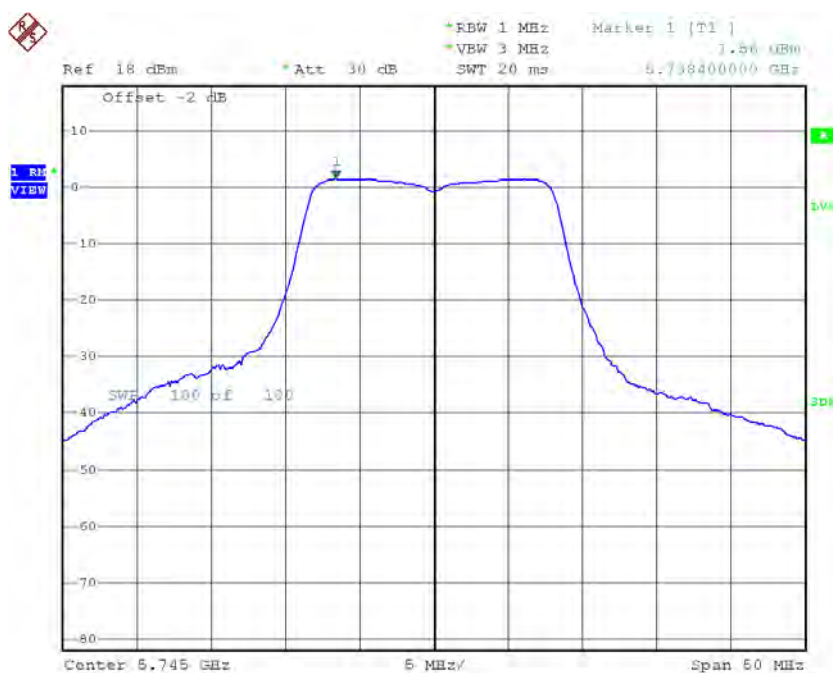


Date: 24.JUN.2015 19:09:19

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

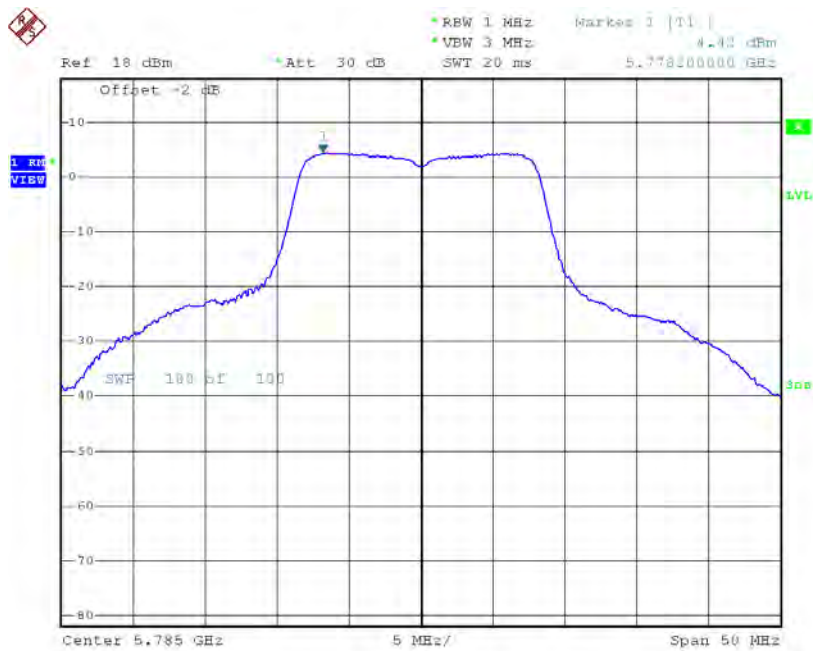
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH149	5745	1.56	0.15	1.71	30.00
CH157	5785	4.42	0.15	4.57	30.00
CH165	5825	3.77	0.15	3.92	30.00

TX CH149



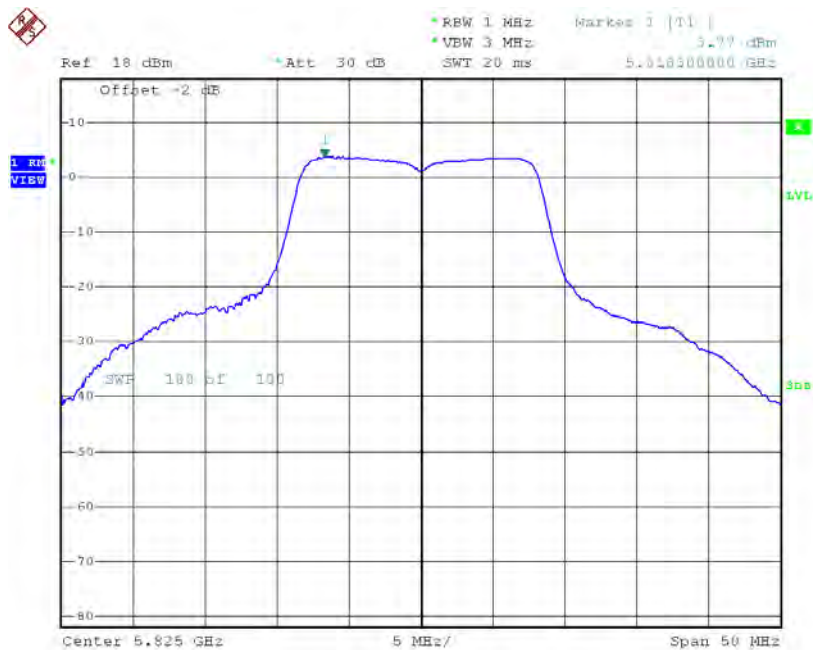
Date: 27.MAY.2015 22:22:48

TX CH157



Date: 27.MAY.2015 22:24:04

TX CH165



Date: 27.MAY.2015 22:26:42

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

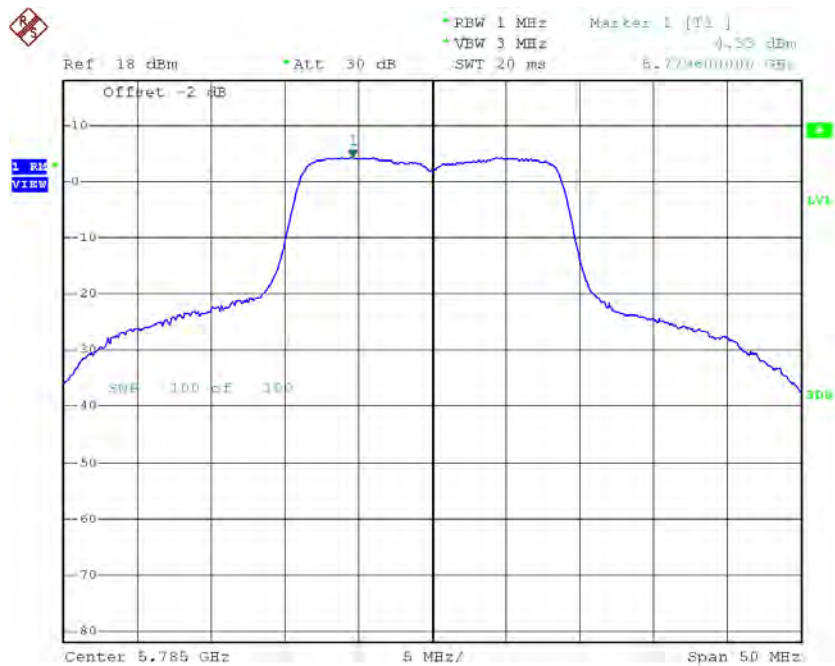
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH149	5745	-0.34	0.30	-0.04	30.00
CH157	5785	4.33	0.30	4.63	30.00
CH165	5825	3.48	0.30	3.78	30.00

TX CH149



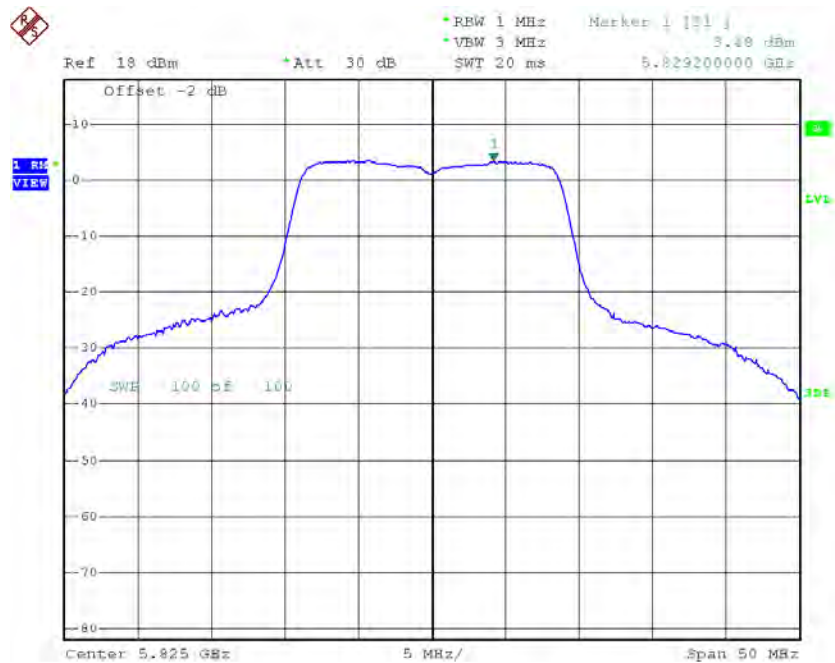
Date: 27.MAY.2015 22:44:27

TX CH157



Date: 27.MAY.2015 22:46:10

TX CH165

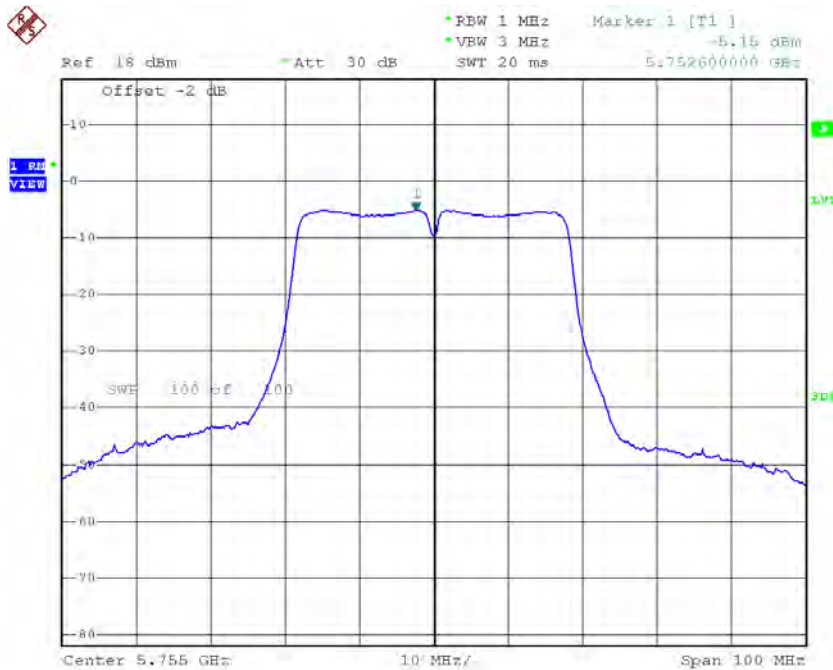


Date: 27.MAY.2015 22:46:47

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

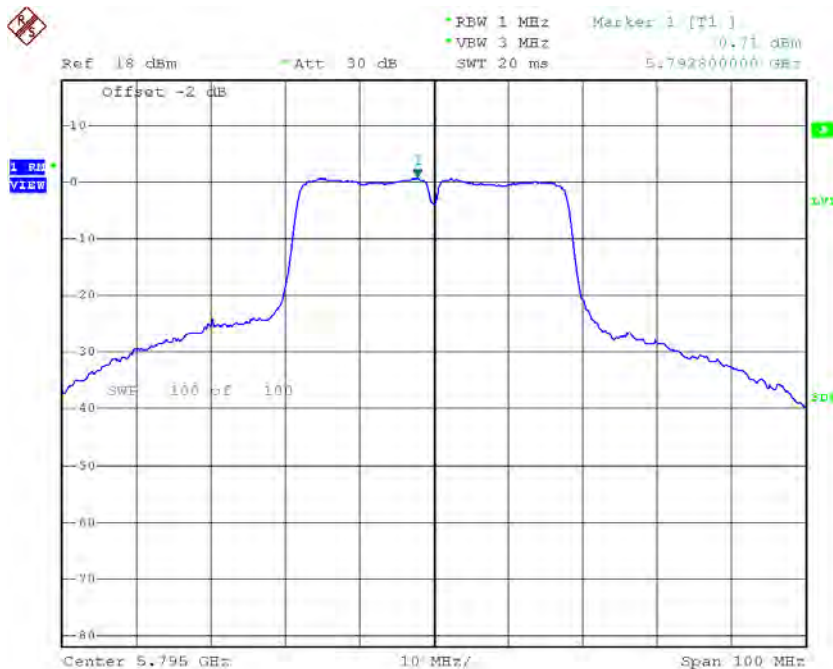
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH151	5755	-5.15	0.25	-4.90	30.00
CH159	5795	0.71	0.25	0.96	30.00

TX CH151



Date: 27.MAY.2015 23:11:56

TX CH159



Date: 27.MAY.2015 23:13:57

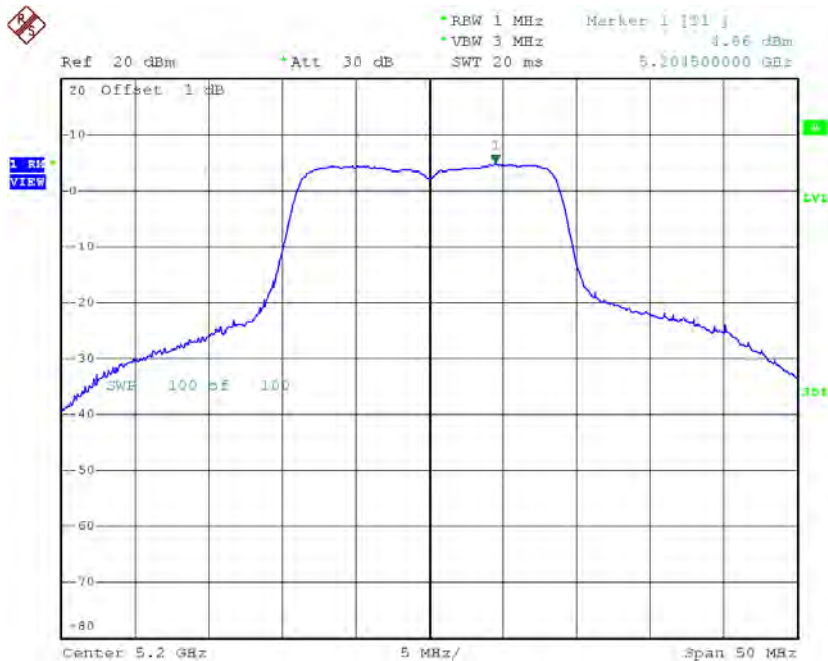
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	4.25	0.39	4.64	17.00
CH40	5200	4.86	0.39	5.25	17.00
CH48	5240	4.82	0.39	5.21	17.00



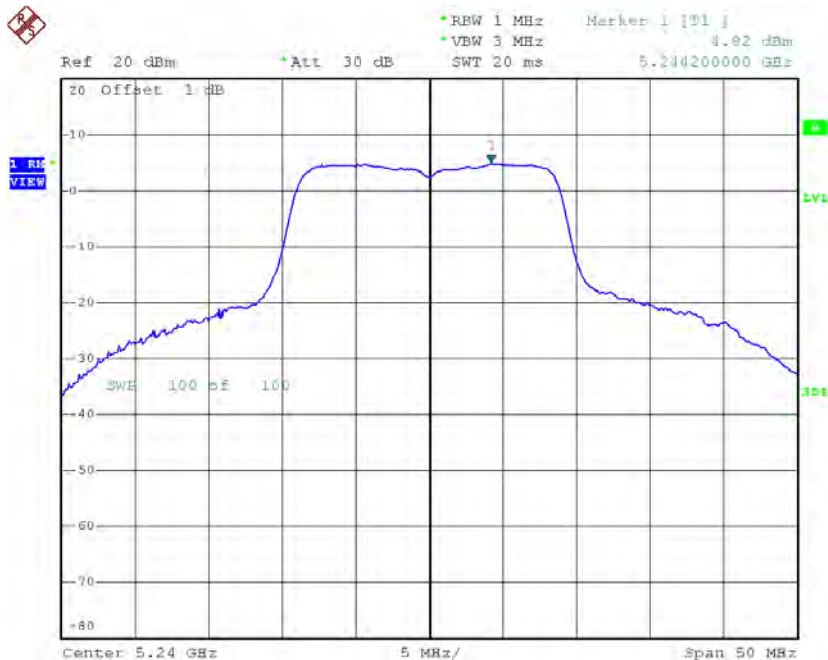
Date: 27.MAY.2015 22:55:35

CH40



Date: 24.JUN.2015 19:04:54

CH48

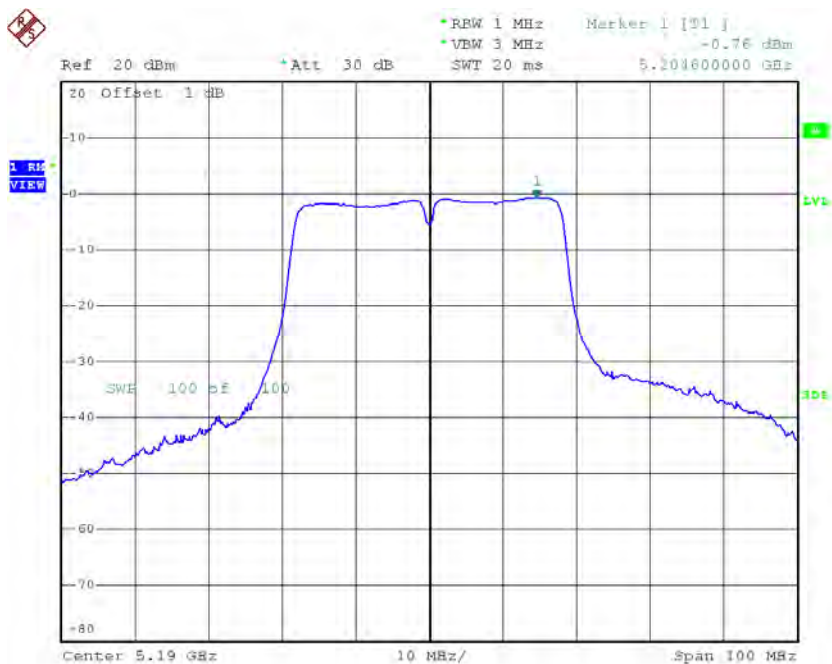


Date: 25.JUN.2015 15:53:10

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

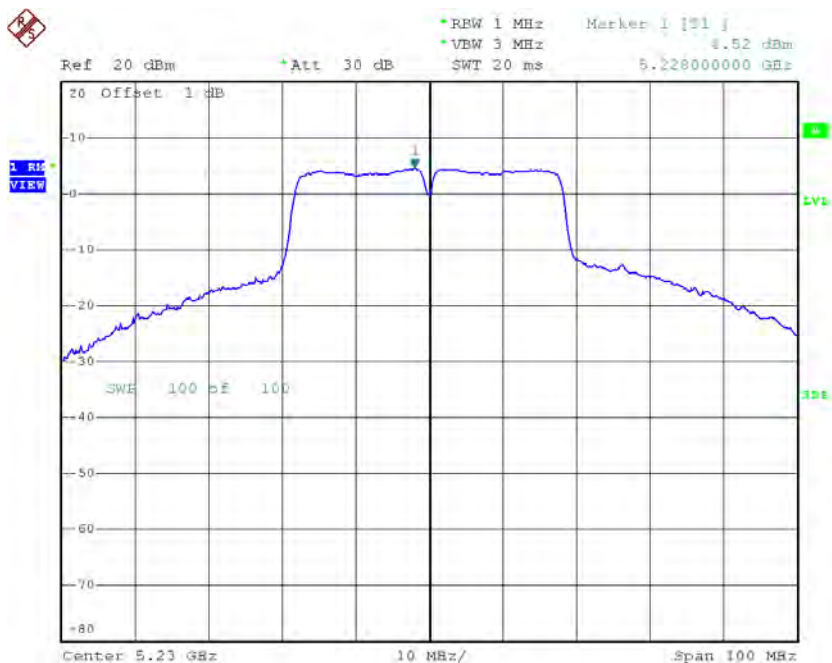
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-0.76	0.25	-0.51	17.00
CH46	5230	4.52	0.25	4.77	17.00

CH38



Date: 27.MAY.2015 23:18:18

CH46

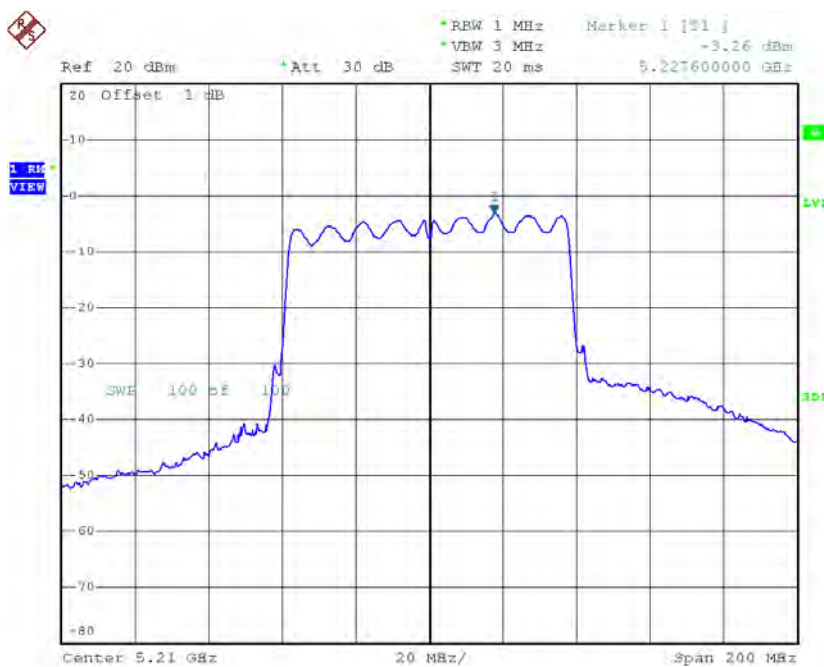


Date: 24.JUN.2015 19:10:16

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	-3.26	0.79	-2.47	17.00

CH42

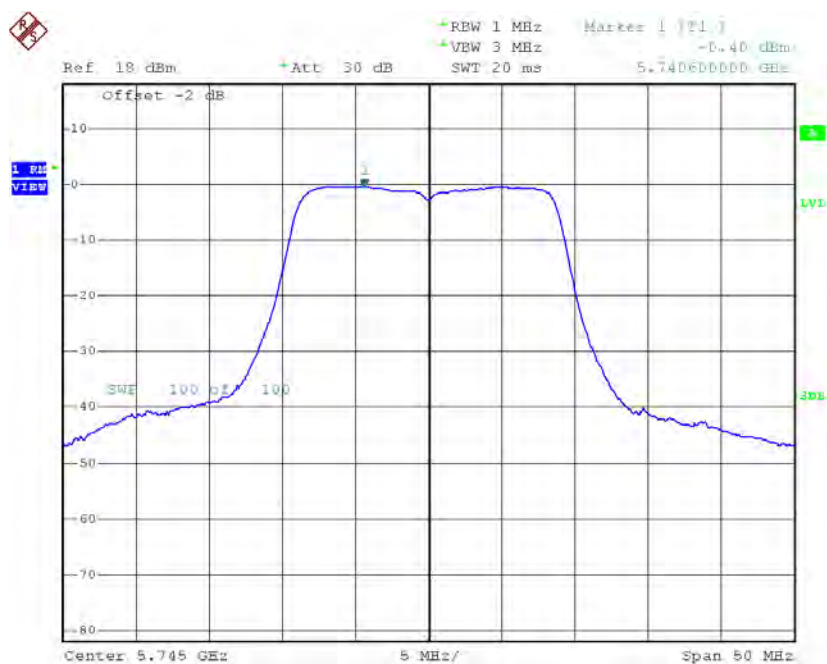


Date: 27.MAY.2015 23:27:18

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

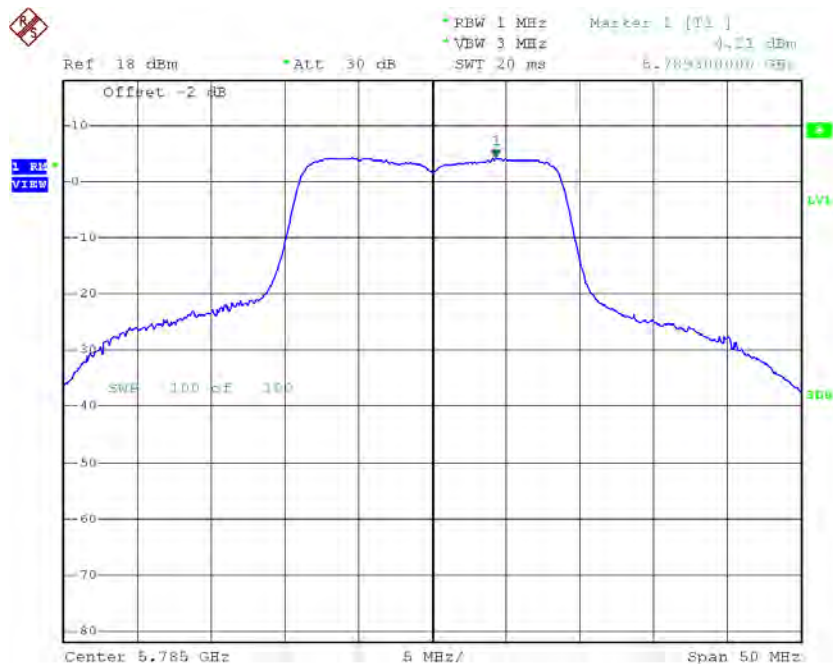
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH149	5745	-0.40	0.39	-0.01	30.00
CH157	5785	4.21	0.39	4.60	30.00
CH165	5825	3.49	0.39	3.88	30.00

TX CH149



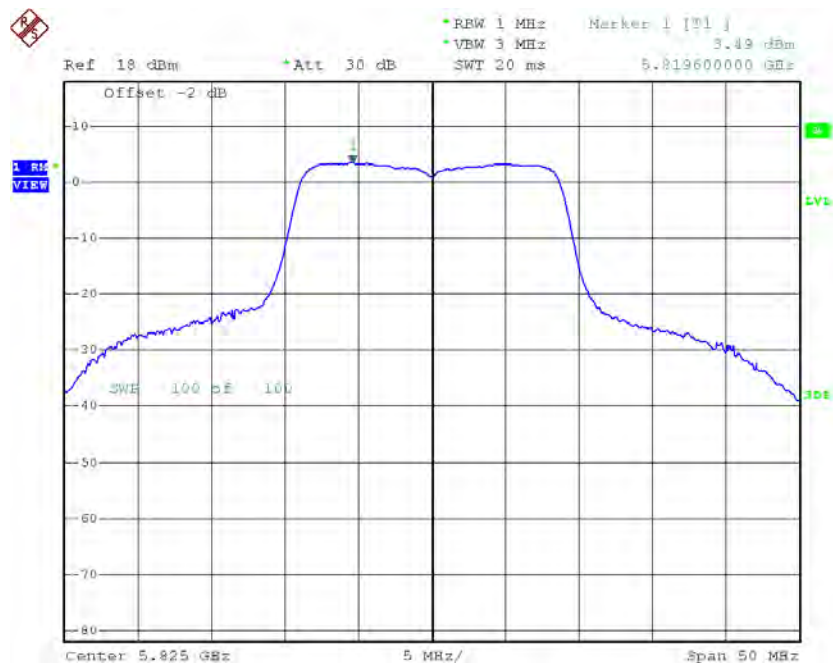
Date: 27.MAY.2015 22:59:16

TX CH157



Date: 27.MAY.2015 23:00:21

TX CH165

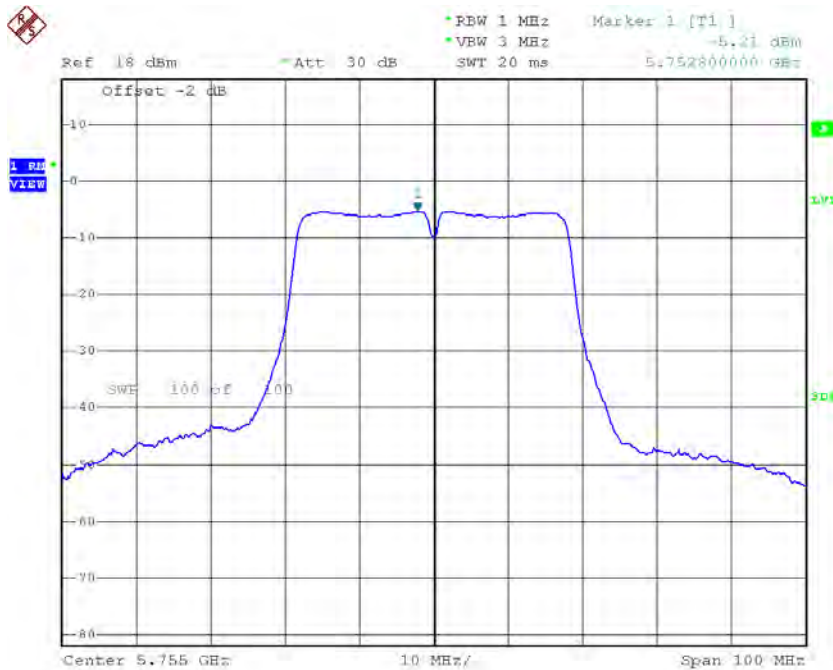


Date: 27.MAY.2015 23:01:06

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

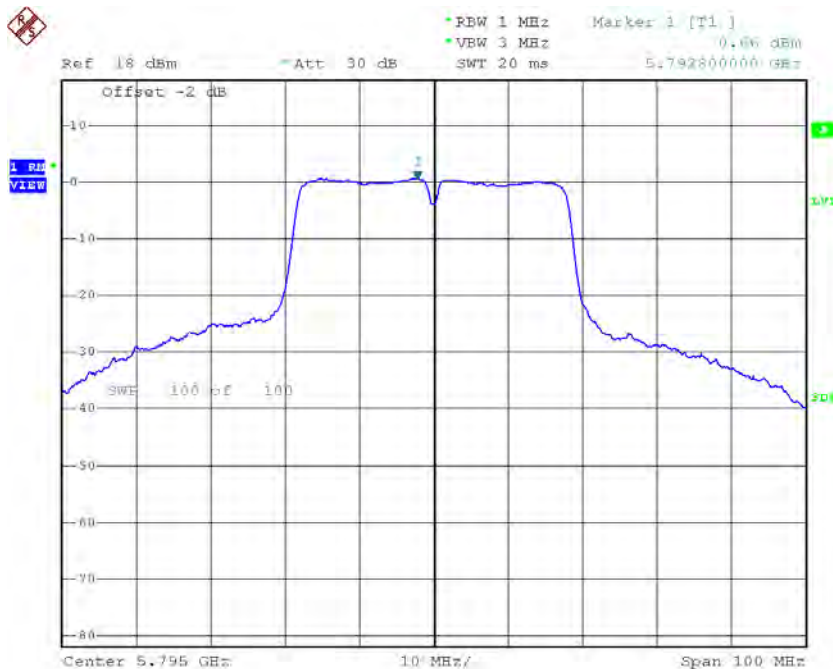
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH151	5755	-5.21	0.25	-4.96	30.00
CH159	5795	0.66	0.25	0.91	30.00

TX CH151



Date: 27.MAY.2015 23:21:19

TX CH159

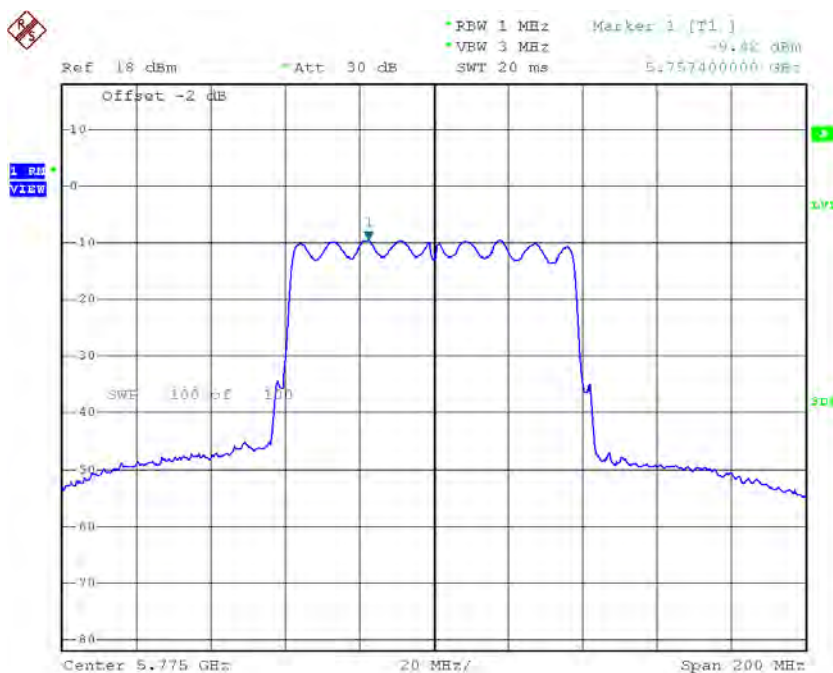


Date: 27.MAY.2015 23:22:12

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH155	5775	-9.42	0.79	-8.63	30.00

TX CH155



Date: 27.MAY.2015 23:30:09

Power spectral density Measurement Photos



ATTACHMENT I - FREQUENCY STABILITY

Test Mode:	UNII-1
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Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
132	5179.9600
120	5179.9100
108	5180.0021
Max. Deviation (MHz)	0.0900
Max. Deviation (ppm)	17.3745

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5180.0000
-5	5180.0120
5	5180.0730
15	5179.9600
25	5179.9100
35	5180.0024
45	5180.0160
50	5180.0240
Max. Deviation (MHz)	0.0900
Max. Deviation (ppm)	17.3745

Test Mode:	UNII-3
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Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
132	5745.0120
120	5745.0600
108	5745.0800
Max. Deviation (MHz)	0.0800
Max. Deviation (ppm)	13.9252

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5745.0000
-5	5745.0181
5	5745.0163
15	5745.0200
25	5745.0600
35	5745.0720
45	5745.0680
50	5745.0750
Max. Deviation (MHz)	0.0750
Max. Deviation (ppm)	13.0548

Frequency Stability Measurement Photos



11. EUT PHOTOS







Adapter: FRECOM/F05L5-050100SPAU

Adapter: LEADER/MU05BS050100-A1