FCC Radio Test Report

FCC ID: 2AVUGAP4220

This report concerns: Original Grant

Project No.	:	1903C114A
Equipment	:	Wireless LAN Access Point
Brand Name	:	Alibaba Cloud
Test Model	:	AP4220
Series Model	:	N/A
Applicant	:	Alibaba Cloud Comuting Co.,Ltd
Address	:	Building 8, No.16, Zhuan Tang Jing Ji Qu Kuai, Xihu District,Hangzhou, Zhejiang, China
Manufacturer	:	Alibaba Cloud Comuting Co.,Ltd
Address	:	Building 8, No.16, Zhuan Tang Jing Ji Qu Kuai, Xihu District,Hangzhou, Zhejiang, China
Factory	:	Joy Technology (ShenZhen) Corporation
Address	:	HengKeng Ind., Shangpai, Shangwu,Aiqun Rd., Shiyan Town,Shenzhen 518108 China
Date of Receipt	:	Jan. 08, 2020
Date of Test	:	Jan. 08, 2020 ~ Apr. 13, 2020
Issued Date	:	Apr. 14, 2020
Report Version	:	R01
Test Sample	:	Engineering Sample No.: D190302460
Standard(s)	:	FCC Part15, Subpart E(15.407) ANSI C63.10-2013 FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 FCC KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Prepared by : Chay Cai

Approved by : Ethan Ma

Certificate #5123.02

Add: No.3, Jinshagang 1st Road, Shixia, Dalang Town,Dongguan, Guangdong, China.
Tel: +86-769-8318-3000
Web: www.newbtl.com

Declaration

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

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

Table of Contents Page

Table of Contents Page

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Apr. 07, 2020
R01	Modified the comments of TCB.	Apr. 14, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)				
Standard(s) Section	**Test Item**	**Test Result**	**Judgement**	**Remark**
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	------
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	------
15.407(a) 15.407(e)	Spectrum Bandwidth	APPENDIX E	PASS	------
15.407(a)	Maximum Output Power	APPENDIX F	PASS	------
15.407(a)	Power Spectral Density	APPENDIX G	PASS	------
15.407(g)	Frequency Stability	APPENDIX H	PASS	------
15.203	Antenna Requirements	------	PASS	**NOTE (3)**
15.407(c)	Automatically Discontinue Transmission	------	PASS	**NOTE (3)**

Note:

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

(2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

(3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

(4) For UNII-1 this device was functioned as a

☒ Access point device ☐ Client device

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's Test Firm Registration Number for FCC: 357015
BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))
The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.60

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	V	3.79
		9kHz ~ 30MHz	H	3.57
		30MHz ~ 200MHz	V	4.88
		30MHz ~ 200MHz	H	4.14
		200MHz ~ 1,000MHz	V	4.62
		200MHz ~ 1,000MHz	H	4.80
		1GHz ~ 6GHz	-	4.58
		6GHz ~ 18GHz	-	5.18
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage
AC Power Line Conducted Emissions	25°C	60%	AC 120V/60Hz AC 240V/60Hz
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz
Radiated Emissions-30 MHz to 1GHz	25°C	60%	AC 120V/60Hz
Radiated Emissions-Above 1000 MHz	25°C	60%	AC 120V/60Hz
Spectrum Bandwidth	25°C	60%	DC 48V
Maximum Output Power	25°C	60%	DC 48V
Power Spectral Density	25°C	60%	DC 48V
Frequency Stability	Normal & Extreme	60%	DC 48V

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless LAN Access Point
Brand Name	Alibaba Cloud
Test Model	AP4220
Series Model	N/A
Model Difference(s)	N/A
Power Source	Supplied from PoE adapter.
Power Rating	DC 48V, 0.35A
Operation Frequency Bands	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
Modulation Type	OFDM
Bit Rate of Transmitter	Up to 867Mbps
Output Power (Max.) for UNII-1_1TX	802.11a: 20.02dBm 802.11n (20M): 19.91dBm 802.11n (40M): 18.03dBm 802.11ac wave (20M): 20.03dBm 802.11ac wave (40M): 18.30dBm 802.11ac wave (80M): 17.92dBm
Output Power (Max.) for UNII-3_1TX	802.11a: 20.06dBm 802.11n (20M): 19.90dBm 802.11n (40M): 17.94dBm 802.11ac wave (20M): 20.40dBm 802.11ac wave (40M): 18.45dBm 802.11ac wave (80M): 18.07dBm
Output Power (Max.) for UNII-1_2TX	802.11a: 22.97dBm 802.11n (20M): 22.60dBm 802.11n (40M): 20.47dBm 802.11ac wave (20M): 22.87dBm 802.11ac wave (40M): 21.21dBm 802.11ac wave (80M): 20.11dBm
Output Power (Max.) for UNII-3_2TX	802.11a: 22.35dBm 802.11n (20M): 22.55dBm 802.11n (40M): 20.60dBm 802.11ac wave (20M): 22.87dBm 802.11ac wave (40M): 21.29dBm 802.11ac wave (80M): 20.05dBm
Output Power (Max.) for UNII-1 _2TX Beamforming	802.11n (20M): 21.27dBm 802.11n (40M): 20.52dBm 802.11ac wave (20M): 21.44dBm 802.11ac wave (40M): 21.23dBm 802.11ac wave (80M): 20.12dBm
Output Power (Max.) for UNII-3 _2TX Beamforming	802.11n (20M): 21.13dBm 802.11n (40M): 20.51dBm 802.11ac wave (20M): 21.38dBm 802.11ac wave (40M): 21.25dBm 802.11ac wave (80M): 20.00dBm

Note:

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

2. Channel List:

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

UNII-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

UNII-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
132	5660				
136	5680				
140	5700				

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

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	5.5
2	N/A	N/A	Internal	N/A	5.5

Note:

1. This EUT supports MIMO 2X2, any transmit signals are correlate with each other, so Directional gain = G_{ANT}+10log(N)dBi, that is Directional gain=5.5+10log(2)dBi=8.5; So, the out power limit for UNII-1 and UNII-3 is 30-8.5+6=27.50, the power density limit for UNII-1 is 17-8.5+6=14.5, for UNII-3 is 30-8.5+6=27.50
2. Beamformign gain = 3dBi. So Directional gain= 5.5+3=8.5dBi, So, the out power limit for UNII-1 and UNII-3 is 30-8.5+6=27.50, the power density limit for UNII-1 is 14-8.5+6=11.5, for UNII-3 is 30-8.5+6=27.50

4. Table for Antenna Configuration:

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

2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC Wave20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC Wave40 Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC Wave80 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 AC Wave20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC Wave40 Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC Wave80 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 AC Wave20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC Wave40 Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC Wave80 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 AC Wave20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC Wave40 Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC Wave80 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) For radiated emissions, the TX LE 1Mbps 2402 + WLAN 2.4G B Mode 2412 + WLAN 5G A Mode 5825MHz was found the worst case of simultaneous transmission and recorded.

2.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTIING

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

UNII-1 - 1TX			
Test Software Version	QSPR		
Frequency (MHz)	5180	5200	5240
A Mode	20	20	20
N20 Mode	20	20	20
AC Wave20 Mode	20	20	20
Frequency (MHz)	5190	5230	
N40 Mode	18	18	
AC Wave40 Mode	18	18	
Frequency (MHz)	5210		
AC Wave80 Mode	17		

UNII-3 - 1TX			
Test Software Version	QSPR		
Frequency (MHz)	5745	5785	5825
A Mode	20	20	20
N20 Mode	20	20	20
AC Wave20 Mode	20	20	20
Frequency (MHz)	5755	5795	
N40 Mode	18	18	
AC Wave40 Mode	18	18	
Frequency (MHz)	5775		
AC Wave80 Mode	17		

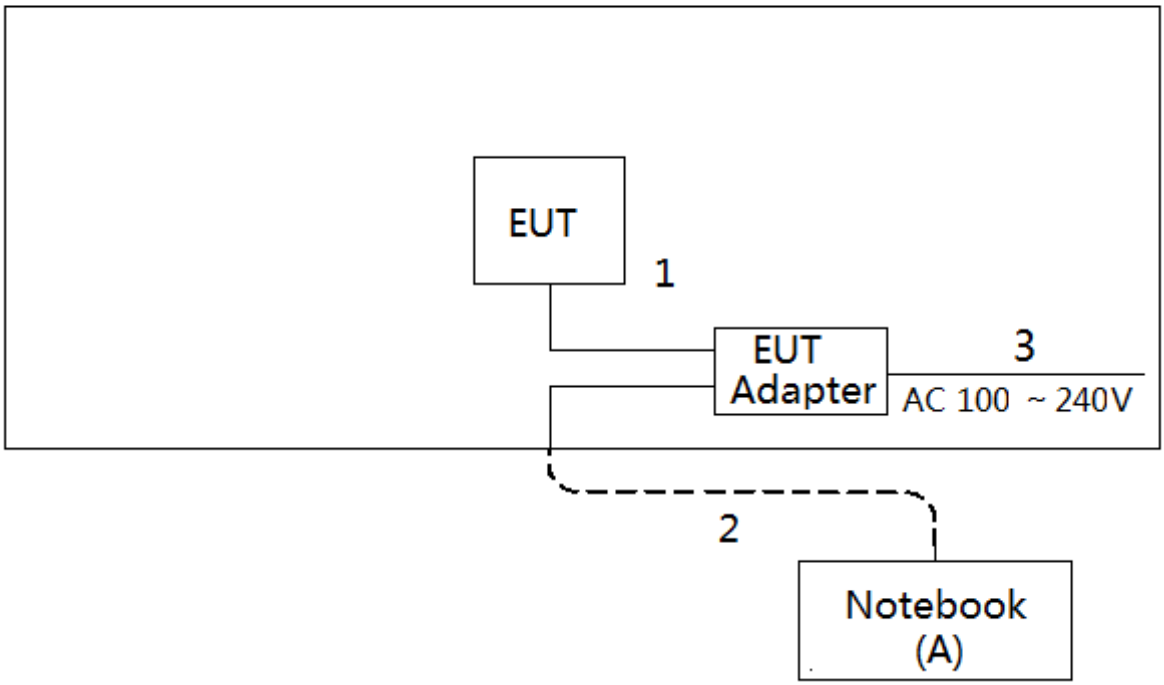
UNII-1 - 2TX			
Test Software Version	QSPR		
Frequency (MHz)	5180	5200	5240
A Mode	20	20	20
N20 Mode	20	20	20
AC Wave20 Mode	20	20	20
Frequency (MHz)	5190	5230	
N40 Mode	18	18	
AC Wave40 Mode	18	18	
Frequency (MHz)	5210		
AC Wave80 Mode	17		

UNII-3 - 2TX			
Test Software Version	QSPR		
Frequency (MHz)	5745	5785	5825
A Mode	20	20	20
N20 Mode	20	20	20
AC Wave20 Mode	20	20	20
Frequency (MHz)	5755	5795	
N40 Mode	18	18	
AC Wave40 Mode	18	18	
Frequency (MHz)	5775		
AC Wave80 Mode	17		

UNII-1 - 2TX Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5180	5200	5240
N20 Mode	18.5	18.5	18.5
AC Wave20 Mode	18.5	18.5	18.5
Frequency (MHz)	5190	5230	
N40 Mode	18	18	
AC Wave40 Mode	18	18	
Frequency (MHz)	5210		
AC Wave80 Mode	17		

UNII-3 - 2TX Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5745	5785	5825
N20 Mode	18.5	18.5	18.5
AC Wave20 Mode	18.5	18.5	18.5
Frequency (MHz)	5755	5795	
N40 Mode	18	18	
AC Wave40 Mode	18	18	
Frequency (MHz)	5775		
AC Wave80 Mode	17		

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.5 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.	Series No.
A	Notebook	Dell	DCSM	G7K832X

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	RJ45 Cable	NO	NO	2m
2	RJ45 Cable	NO	NO	10m
3	AC Cable	NO	NO	1.5m

3. EMC EMISSION TEST

3.1 AC POWER LINE CONDUCTED EMISSIONS MEASUREMENT

3.1.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

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.

3.1.2 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.

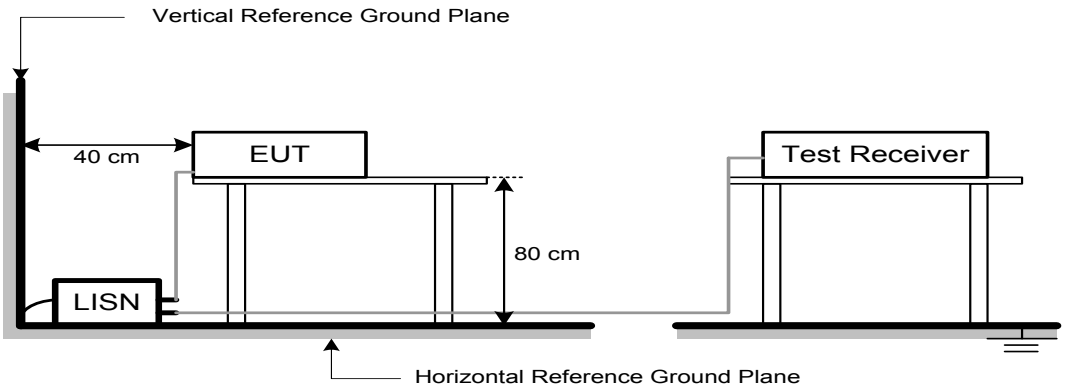
d. LISN at least 80 cm from nearest part of EUT chassis.

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

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



3.1.5 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.

3.1.6 TEST RESULTS

Please refer to the Appendix 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.

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (MHz)	Field Strength (microvolts/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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

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

NOTE:

(1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

(2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

3.2.2 TEST PROCEDURE

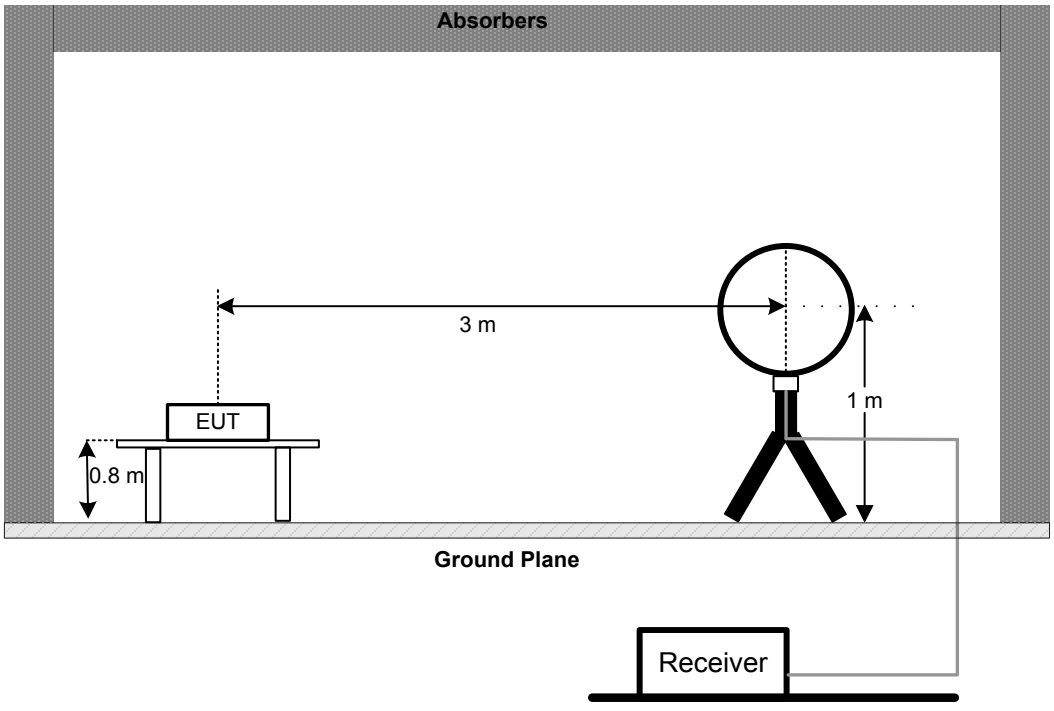
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

3.2.3 DEVIATION FROM TEST STANDARD

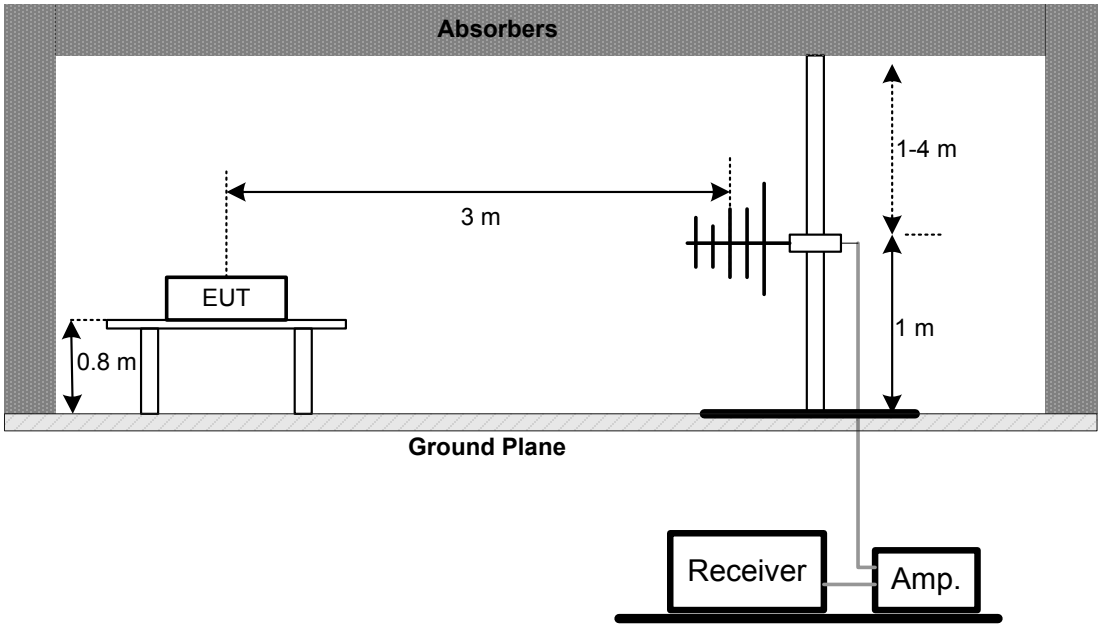
No deviation

3.2.4 TEST SETUP

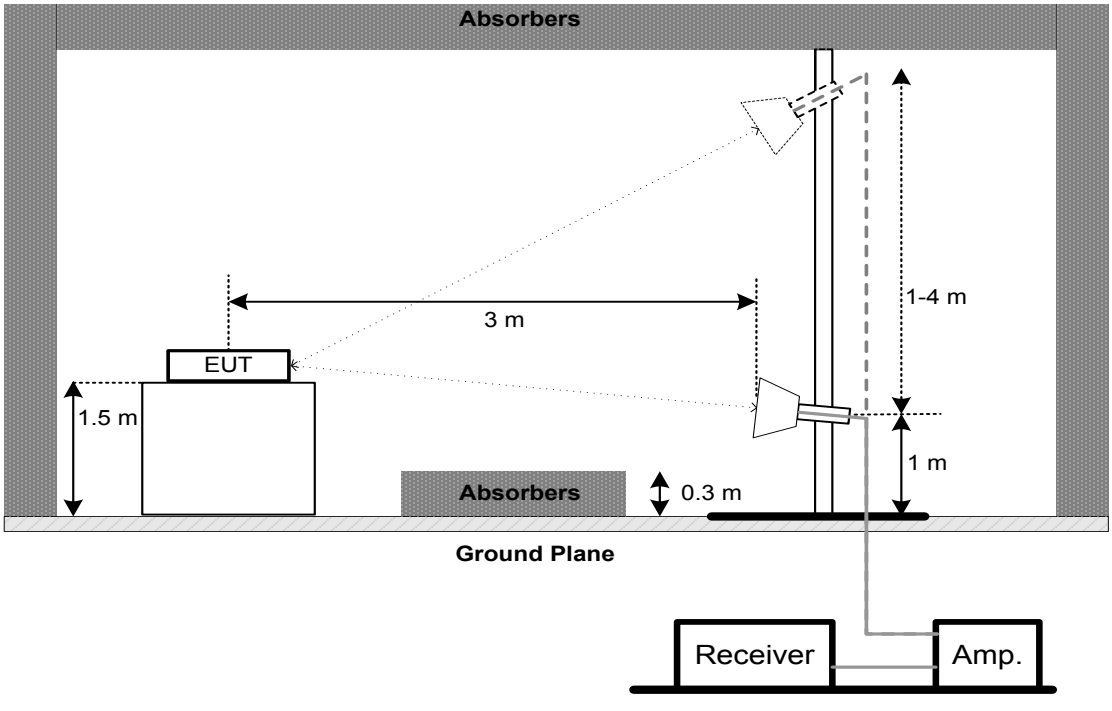
(A) Radiated emissions below 30MHz



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



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



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 3.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS (9K TO 30MHz)

Please refer to the Appendix B

Remark:

(1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
(2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
(3) Limit line = specific limits (dBuV) + distance extrapolation factor.

3.2.7 TEST RESULTS (30 MHz TO 1000 MHz)

Please refer to the Appendix C.

3.2.8 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Appendix D.

Remark:

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

4. 26dB SPECTRUM BANDWIDTH

4.1 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

4.1.1 TEST PROCEDURE

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

b.

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

c. Measured the spectrum width with power higher than 26dB / 6 dB below carrier

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP

4.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

4.1.5 TEST RESULTS

Please refer to the Appendix E.

5. MAXIMUM OUTPUT POWER

5.1 LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Maximum 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)			

5.1.1 TEST PROCEDURE

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

b.

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

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

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 3.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

Please refer to the Appendix F.

6. POWER SPECTRAL DENSITY TEST

6.1 LIMIT

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

8.1.1 TEST PROCEDURE

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

b.

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

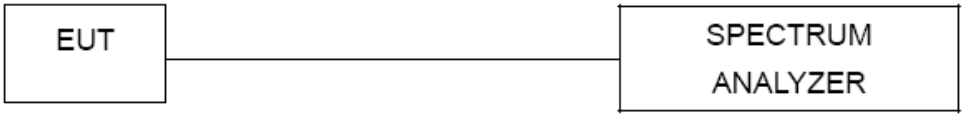
Note:

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

6.1.1 DEVIATION FROM STANDARD

No deviation.

6.1.2 TEST SETUP



6.1.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

6.1.4 TEST RESULTS

Please refer to the Appendix H.

7. FREQUENCY STABILITY MEASUREMENT

7.1 LIMIT

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

7.1.1 TEST PROCEDURE

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

b.

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

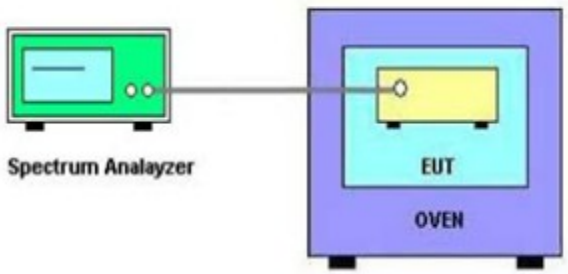
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is -10°C~50°C.

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 3.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5 TEST RESULTS

Please refer to the Appendix I.

8. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2021
2	LISN	EMCO	3816/2	52765	Mar. 01, 2021
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	May 19, 2020
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 01, 2021
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 10, 2021

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1*	Antenna	EM	EM-6876-1	230	Jan. 15, 2022
2	Cable	N/A	RG400 (C-101(3m)+C-70(6m)	N/A	May 31, 2020
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 28, 2021
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 09, 2021
2*	Amplifier	HP	8447D	2944A08742	Mar. 01, 2021
3	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
4	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	May 25, 2020
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75846	Mar. 19, 2021
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 23, 2020
3	Amplifier	Agilent	8449B	3008A02584	Aug. 03, 2020
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 07, 2021
5	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	mitron	RWLP50-4.0A-KJ-SMS M-12M	N/A	Nov. 25, 2020
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth & Conducted Output Power & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 03, 2020

Frequency Stability					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 03, 2020
2	Precision Oven Tester	Bell	BTH-50C	20170306001	Mar. 01, 2021

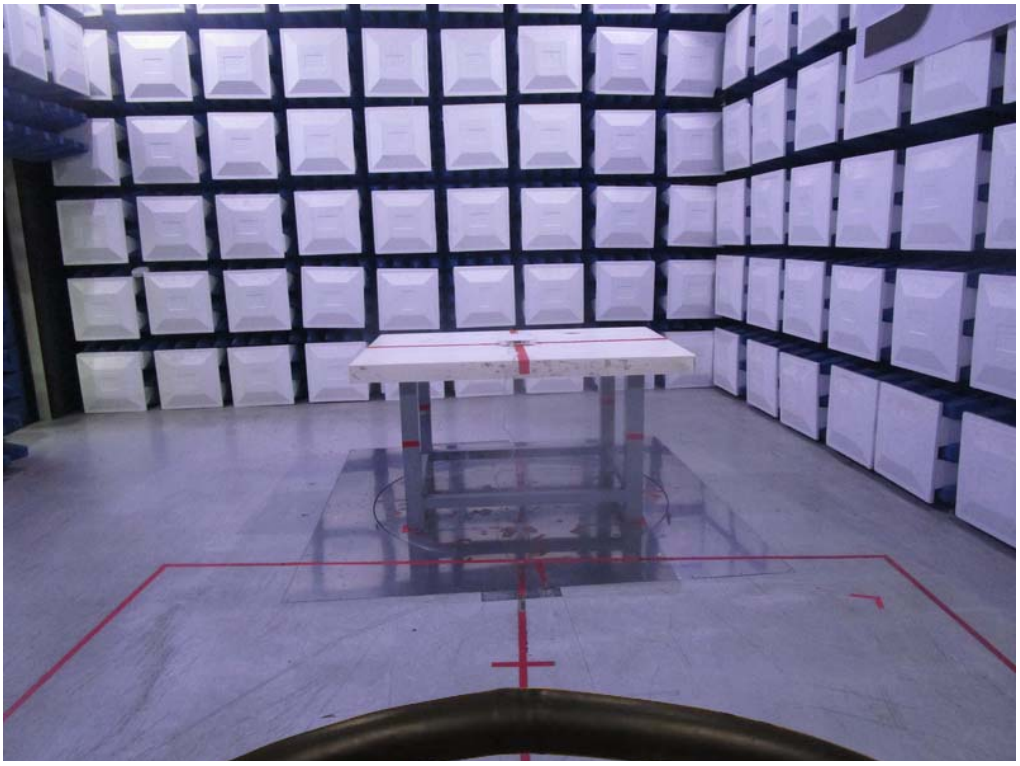
Remark: “N/A” denotes no model name, serial no. or calibration specified.
“*” calibration period of equipment list is three year.
Except * item, all calibration period of equipment list is one year.

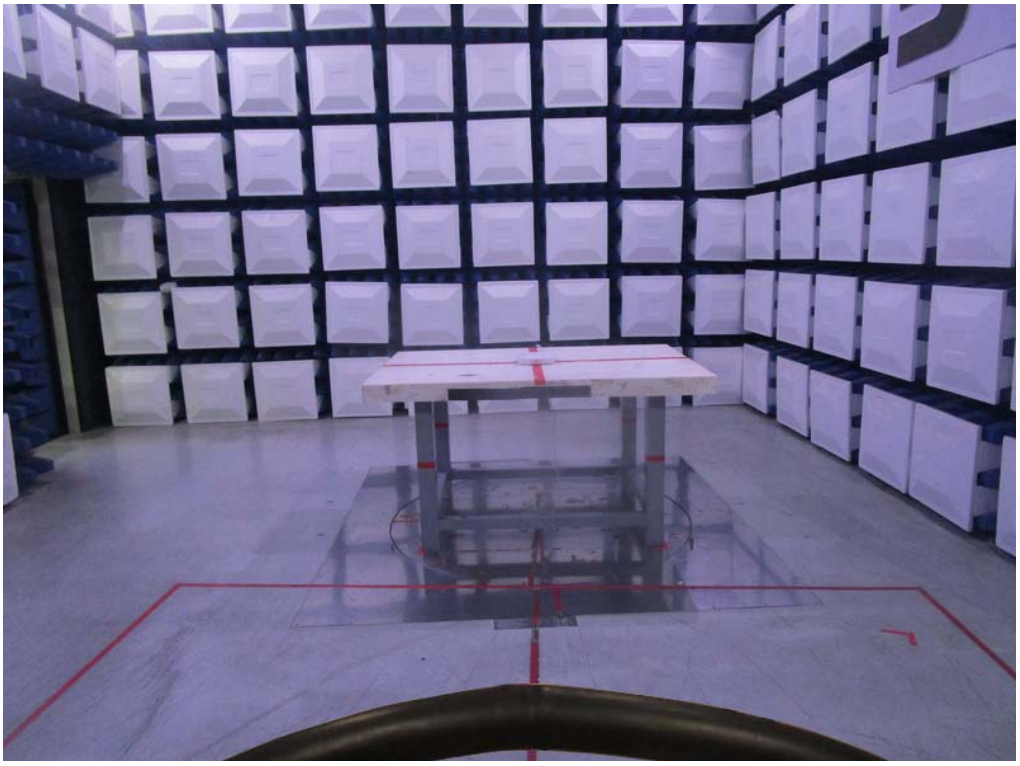
9. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos

Radiated Emissions Test Photos

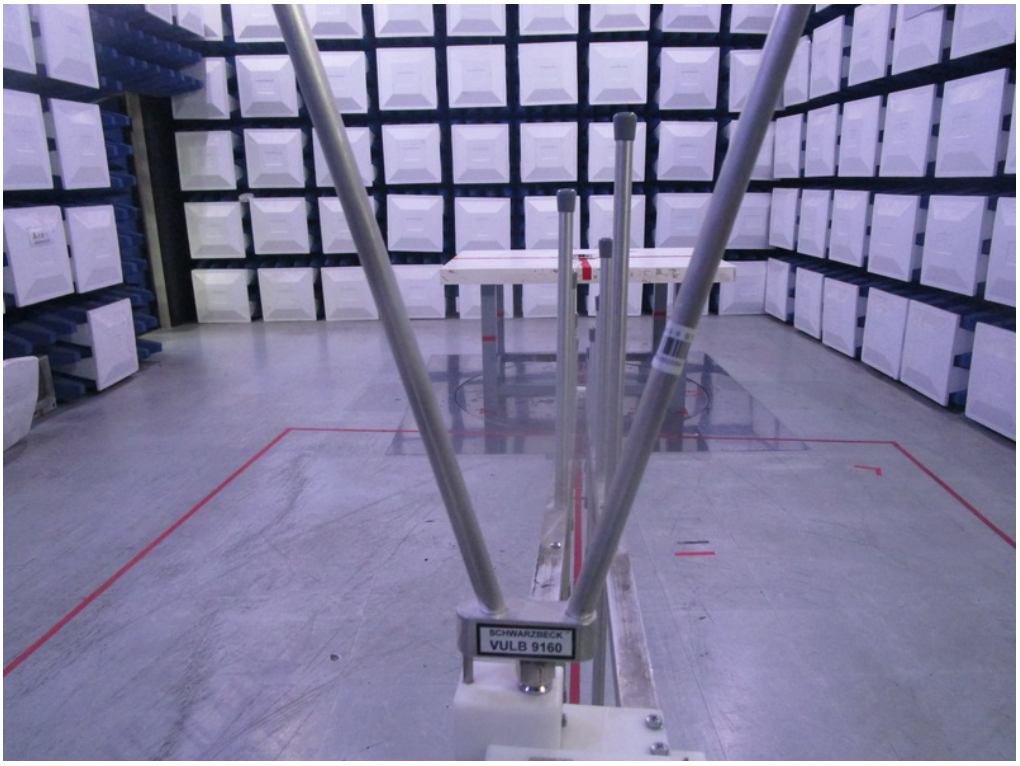
9 kHz to 30 MHz

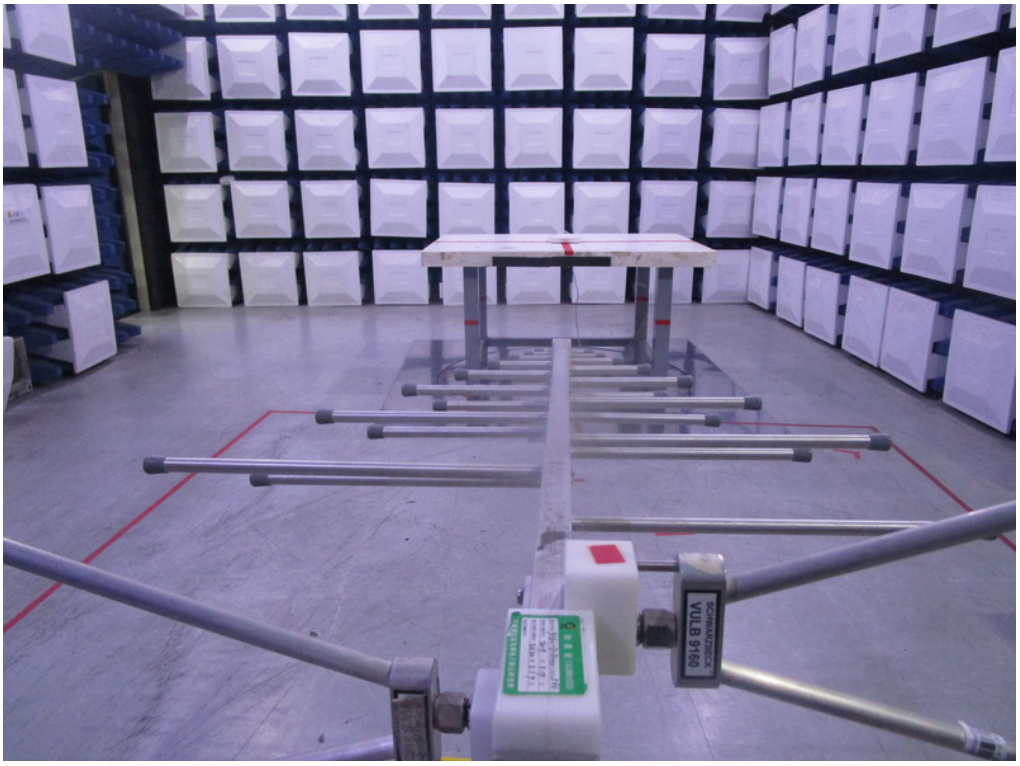




Radiated Emissions Test Photos

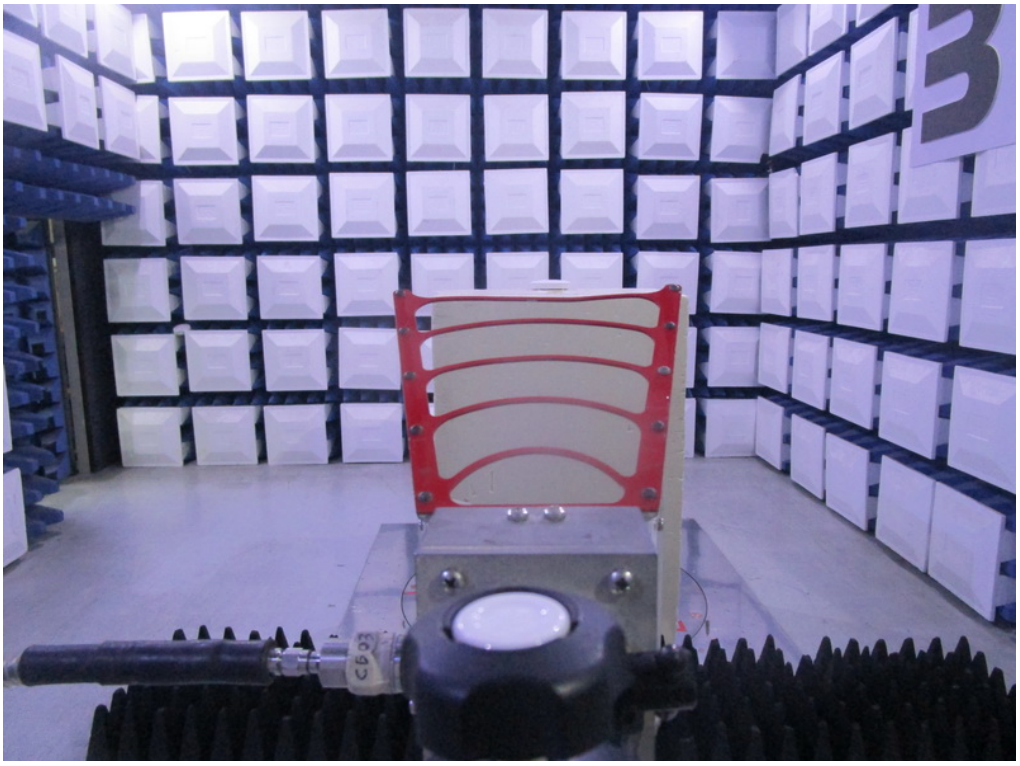
30 MHz to 1000 MHz

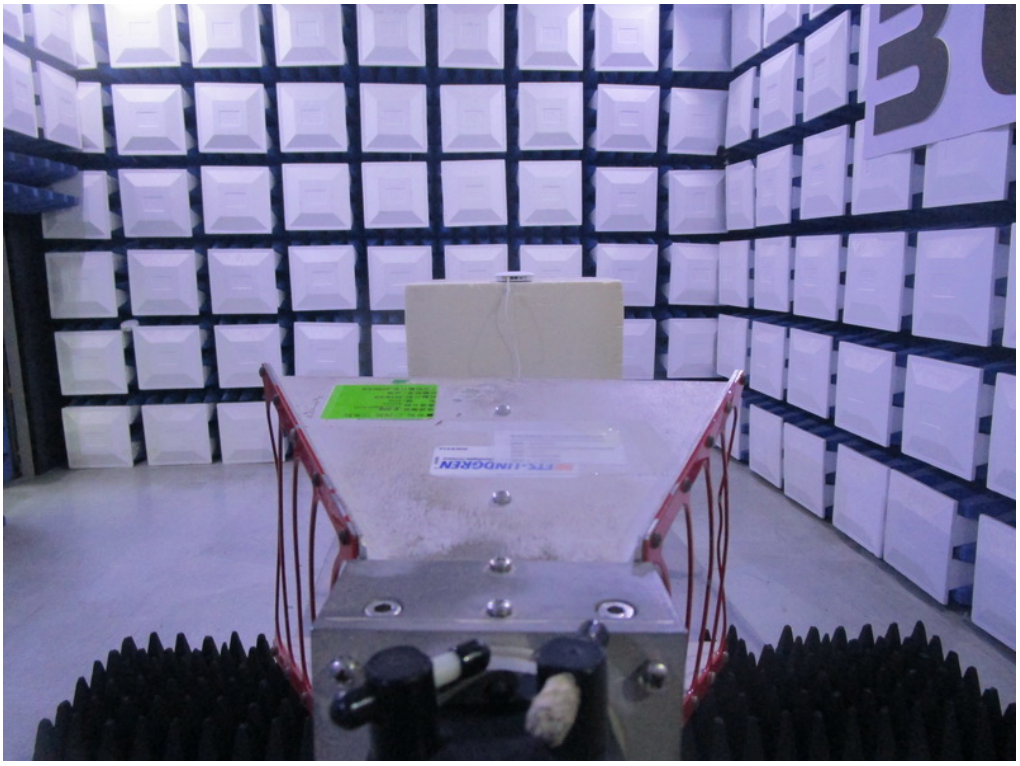




Radiated Emissions Test Photos

Above 1 GHz

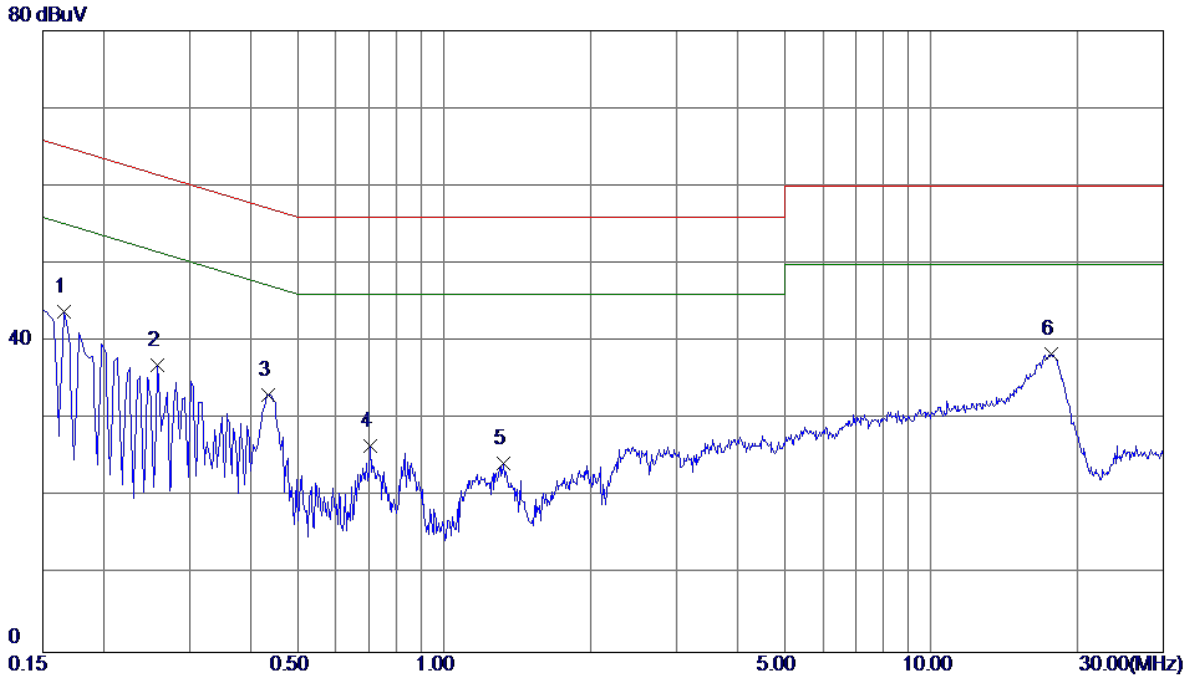




APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode :	TX Mode
Test Voltage:	AC 120V/60Hz

Line

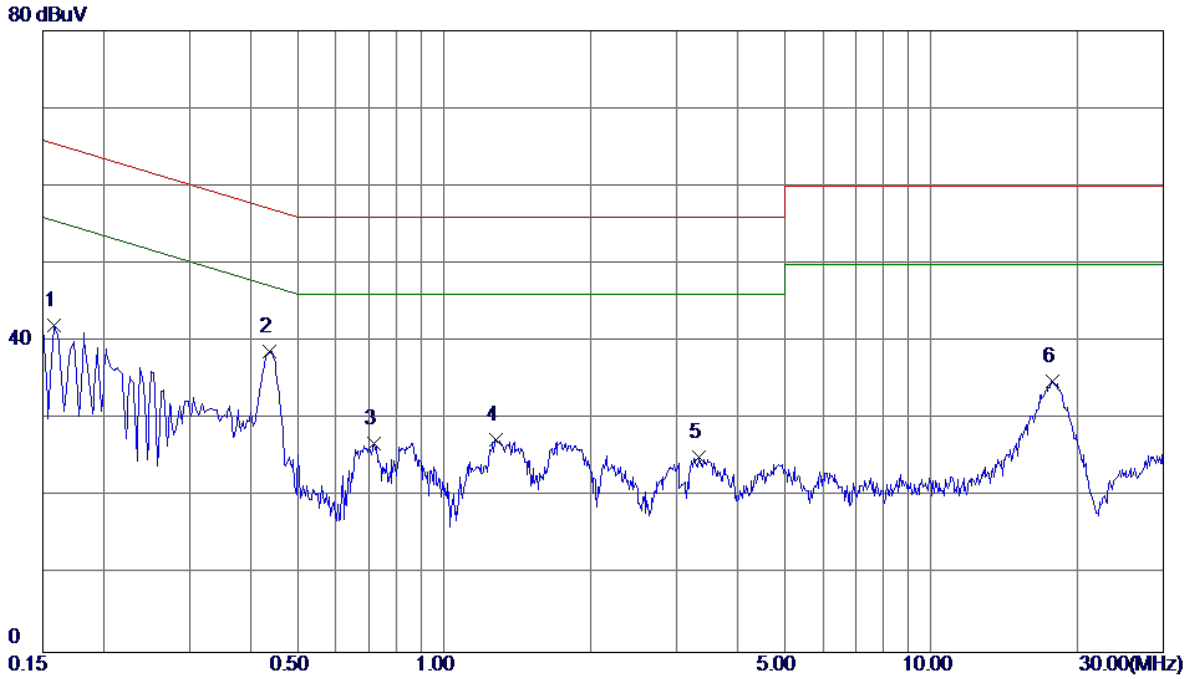


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1660	34.30	9.57	43.87	65.16	-21.29	Peak	
2	0.2580	27.45	9.57	37.02	61.50	-24.48	Peak	
3	0.4351	23.51	9.62	33.13	57.15	-24.02	Peak	
4	0.7060	16.87	9.72	26.59	56.00	-29.41	Peak	
5	1.3260	14.35	9.90	24.25	56.00	-31.75	Peak	
6	17.6660	27.64	10.75	38.39	60.00	-21.61	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode :	TX Mode
Test Voltage:	AC 120V/60Hz

Neutral

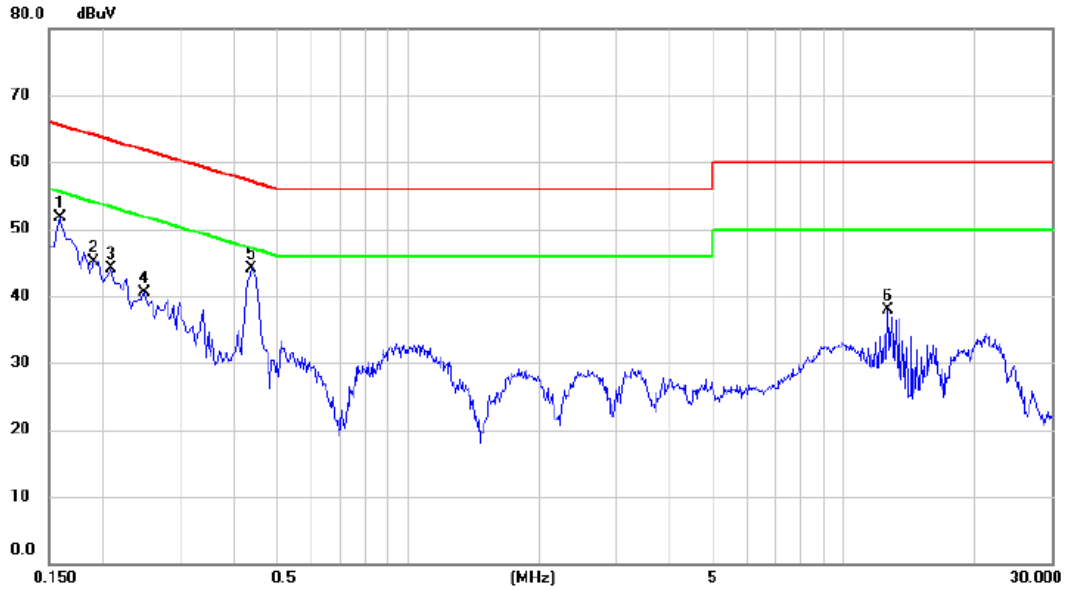


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1580	32.58	9.53	42.11	65.57	-23.46	Peak	
2 *	0.4380	29.28	9.49	38.77	57.10	-18.33	Peak	
3	0.7180	17.41	9.53	26.94	56.00	-29.06	Peak	
4	1.2780	17.62	9.76	27.38	56.00	-28.62	Peak	
5	3.3340	15.16	10.00	25.16	56.00	-30.84	Peak	
6	17.8060	24.14	10.81	34.95	60.00	-25.05	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode :	TX Mode
Test Voltage:	AC 240V/60Hz

Line

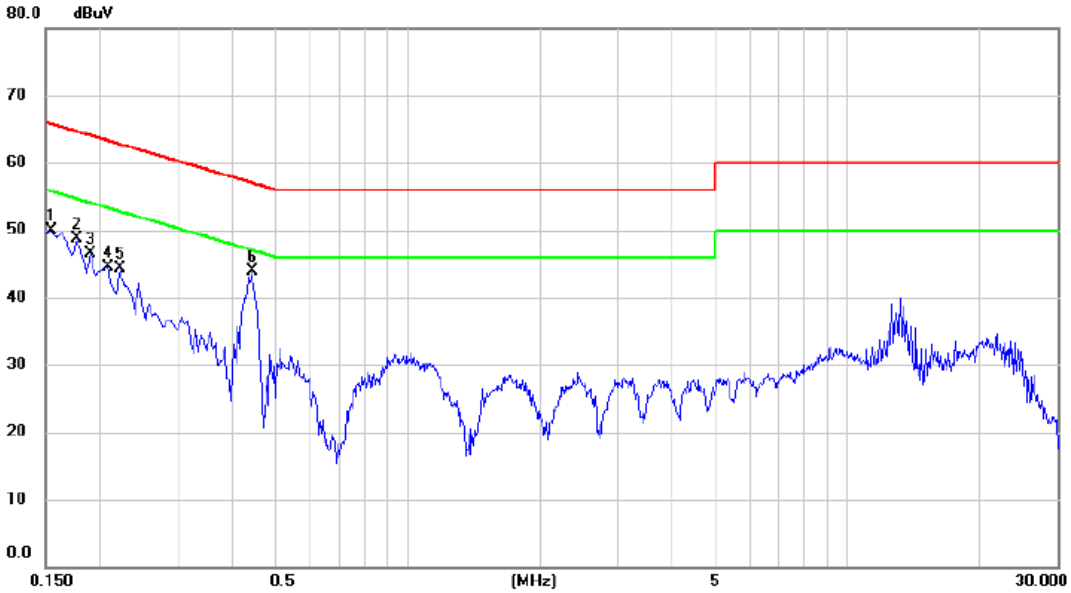


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1590	41.95	9.73	51.68	65.52	-13.84	peak	
2		0.1905	35.22	9.88	45.10	64.01	-18.91	peak	
3		0.2085	34.20	9.90	44.10	63.26	-19.16	peak	
4		0.2490	30.68	9.87	40.55	61.79	-21.24	peak	
5	*	0.4380	34.08	9.93	44.01	57.10	-13.09	peak	
6		12.6420	27.12	10.81	37.93	60.00	-22.07	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode :	TX Mode
Test Voltage:	AC 240V/60Hz

Neutral



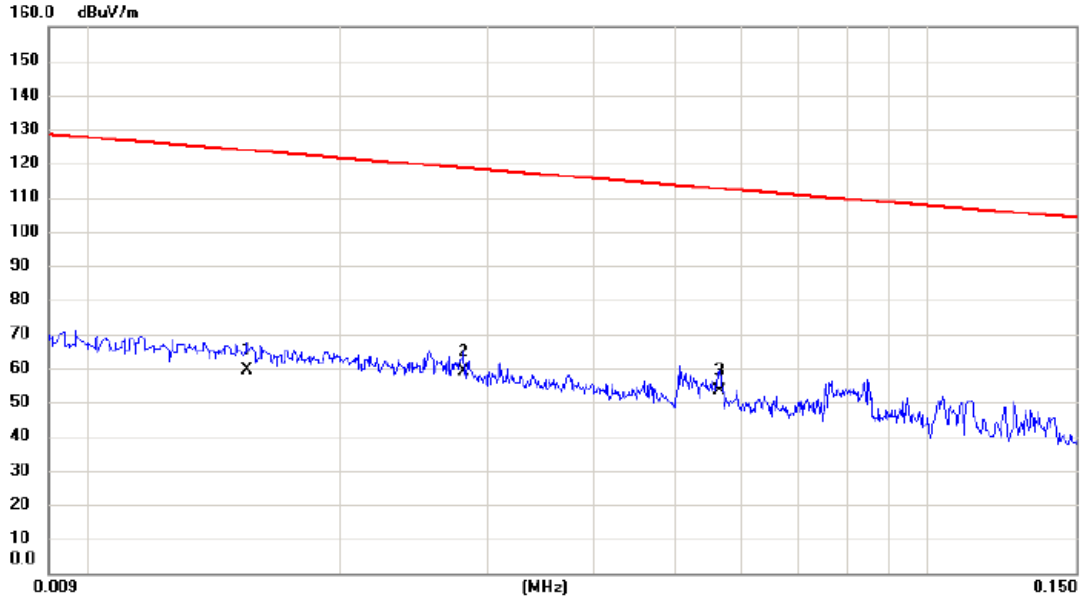
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1545	40.20	9.77	49.97	65.75	-15.78	peak	
2		0.1770	38.79	9.92	48.71	64.63	-15.92	peak	
3		0.1905	36.49	9.98	46.47	64.01	-17.54	peak	
4		0.2085	34.59	10.00	44.59	63.26	-18.67	peak	
5		0.2220	34.22	9.99	44.21	62.74	-18.53	peak	
6	*	0.4425	33.73	10.11	43.84	57.01	-13.17	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Test Mode:	TX Mode

Ant 0°

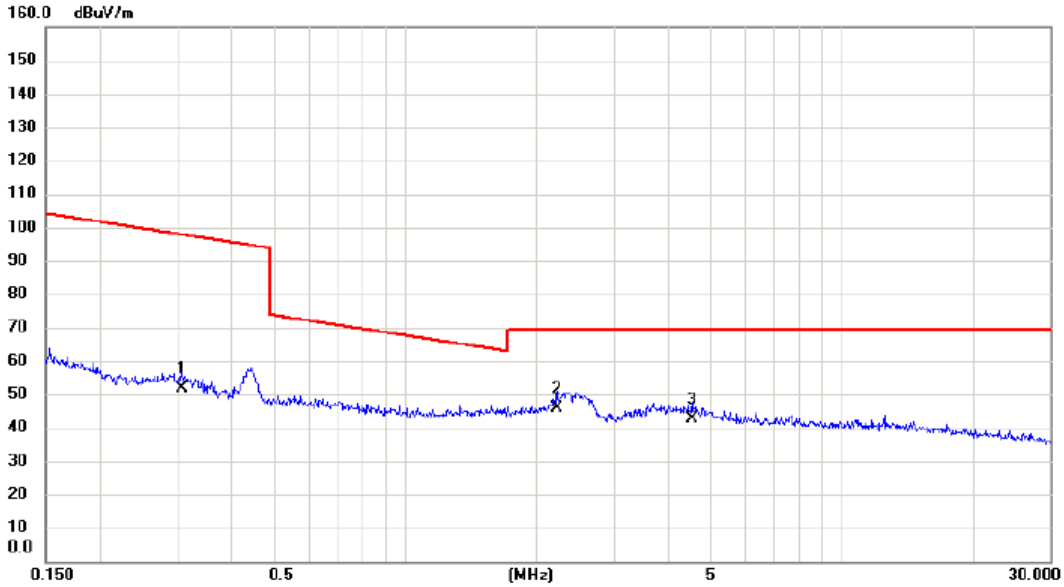


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0155	35.49	23.79	59.28	123.80	-64.52	AVG	
2		0.0280	36.51	22.53	59.04	118.66	-59.62	AVG	
3	*	0.0565	33.67	19.75	53.42	112.56	-59.14	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX Mode

Ant 0°

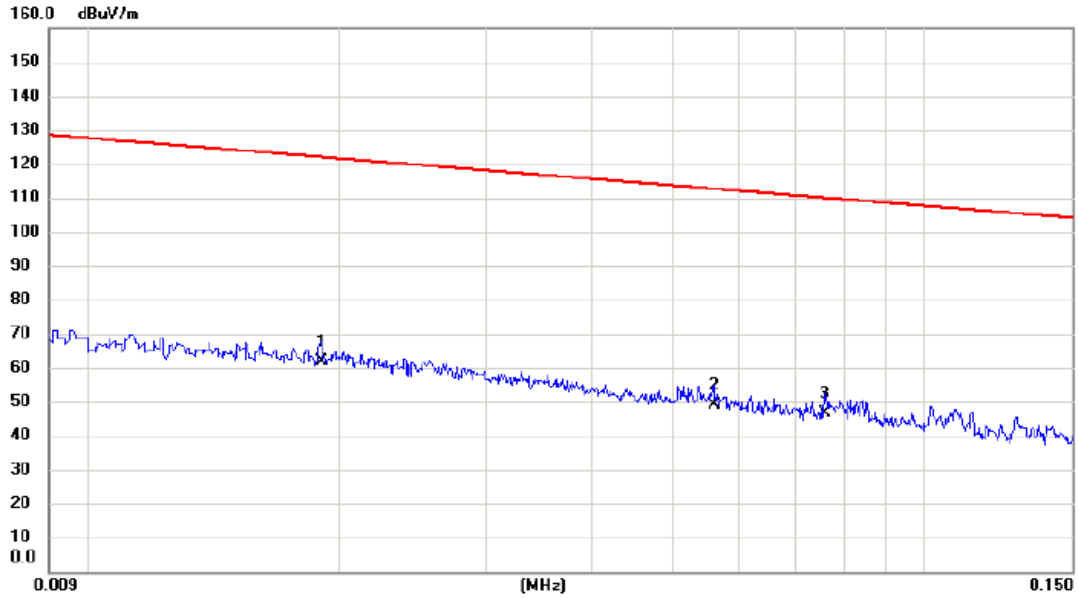


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3067	33.06	18.58	51.64	97.87	-46.23	AVG	
2	*	2.2132	28.29	17.63	45.92	69.54	-23.62	QP	
3		4.5254	25.13	17.67	42.80	69.54	-26.74	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX Mode

Ant 90°

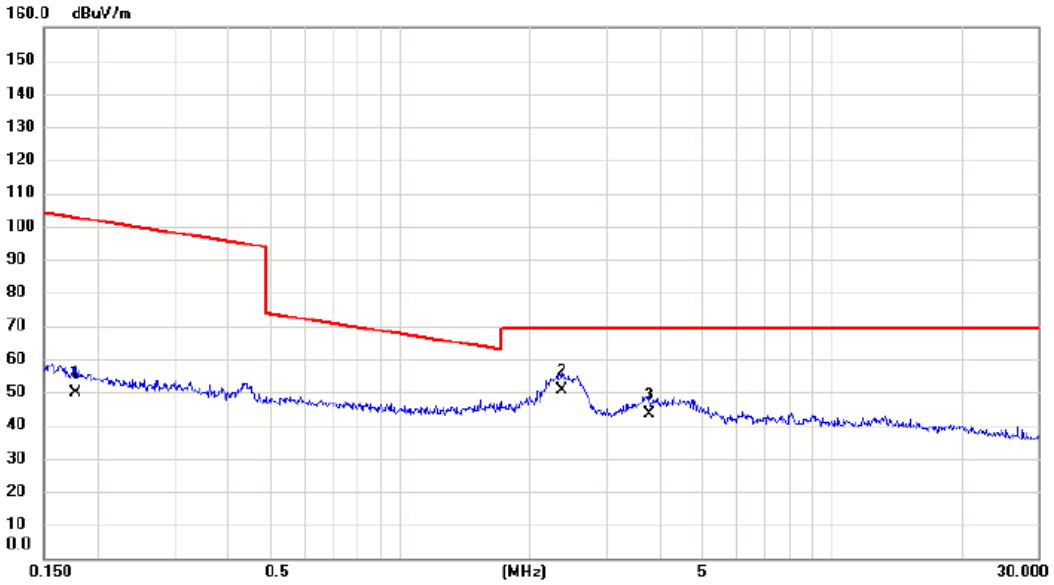


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0190	38.36	23.58	61.94	122.03	-60.09	AVG	
2		0.0560	29.22	19.76	48.98	112.64	-63.66	AVG	
3		0.0760	27.12	19.49	46.61	109.99	-63.38	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX Mode

Ant 90°



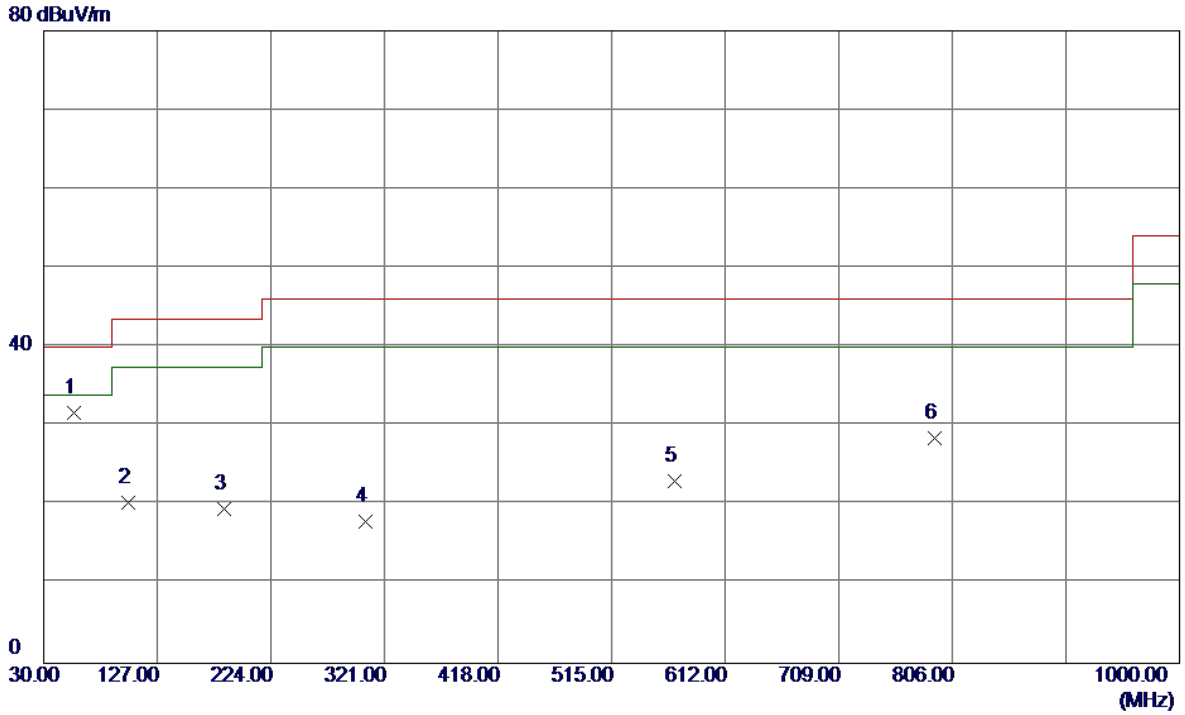
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1777	31.24	18.71	49.95	102.61	-52.66	AVG	
2	*	2.3710	33.20	17.43	50.63	69.54	-18.91	QP	
3		3.7794	25.21	18.29	43.50	69.54	-26.04	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

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

Vertical

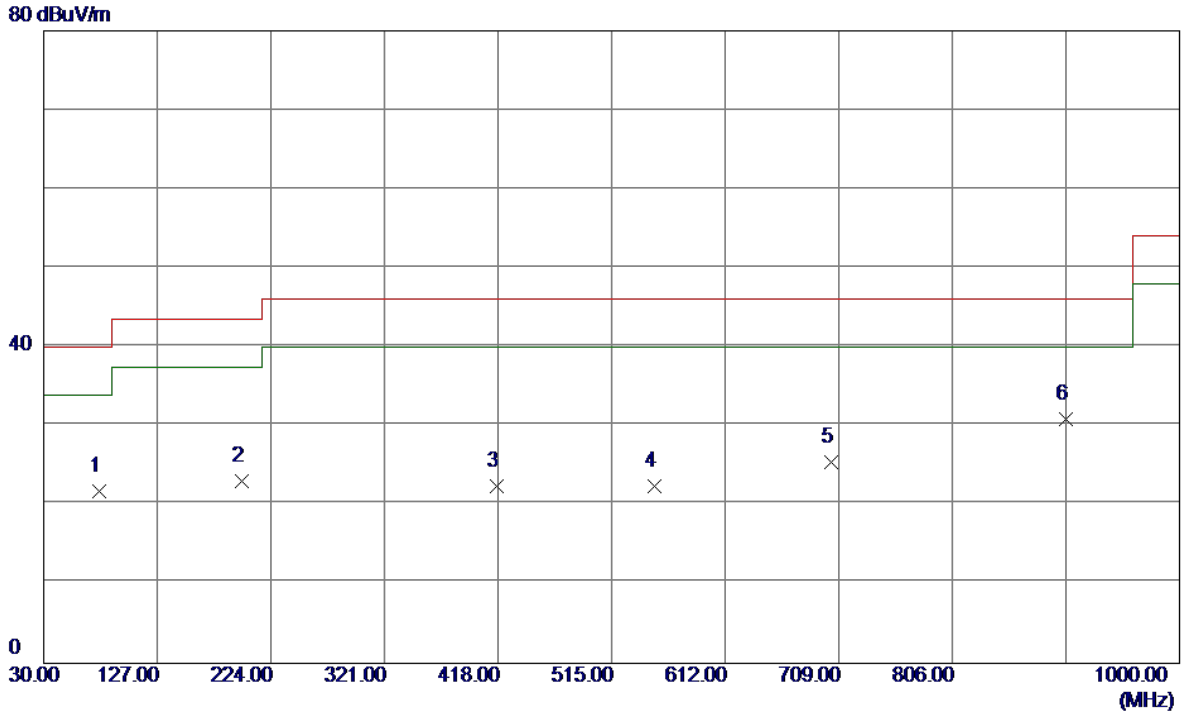


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	56.1900	45.01	-13.31	31.70	40.00	-8.30	Peak	
2	101.7800	35.61	-15.32	20.29	43.50	-23.21	Peak	
3	184.2300	32.80	-13.30	19.50	43.50	-24.00	Peak	
4	304.5100	28.14	-10.26	17.88	46.00	-28.12	Peak	
5	569.3200	28.62	-5.51	23.11	46.00	-22.89	Peak	
6	790.4800	28.71	-0.16	28.55	46.00	-17.45	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

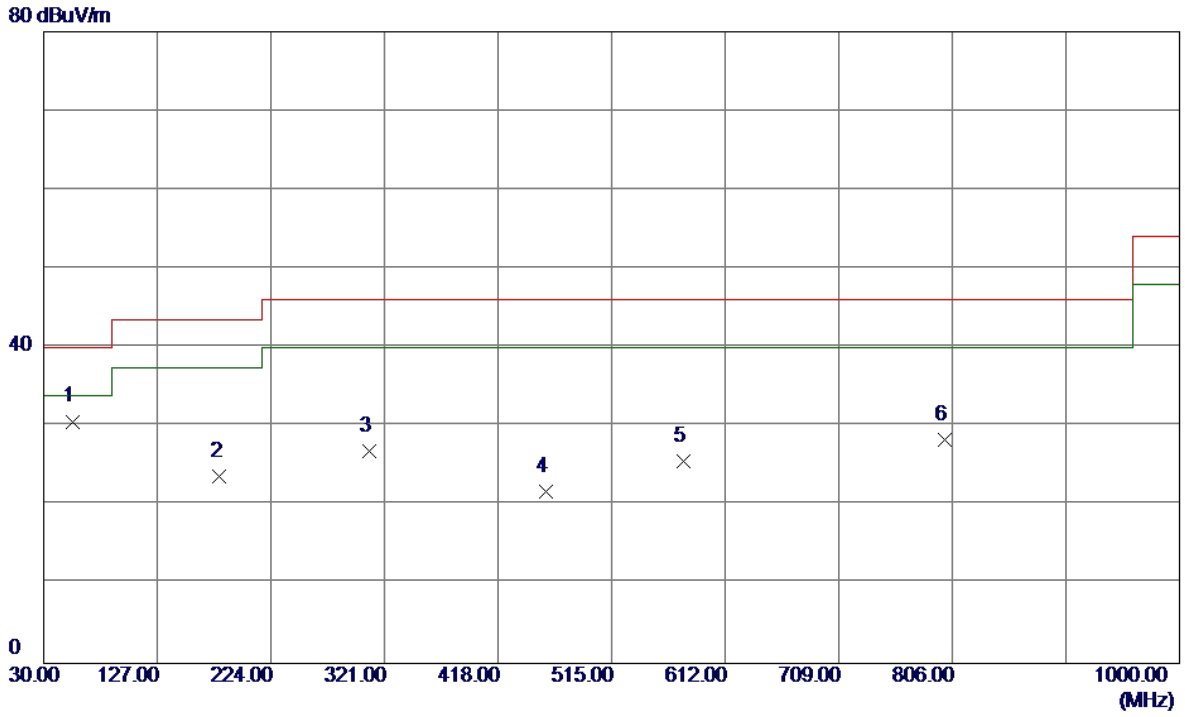


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77.5300	38.02	-16.31	21.71	40.00	-18.29	Peak	
2	198.7800	37.34	-14.37	22.97	43.50	-20.53	Peak	
3	417.0300	30.21	-7.85	22.36	46.00	-23.64	Peak	
4	551.8600	27.08	-4.63	22.45	46.00	-23.55	Peak	
5	702.2100	27.54	-2.09	25.45	46.00	-20.55	Peak	
6 *	903.0000	28.32	2.63	30.95	46.00	-15.05	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

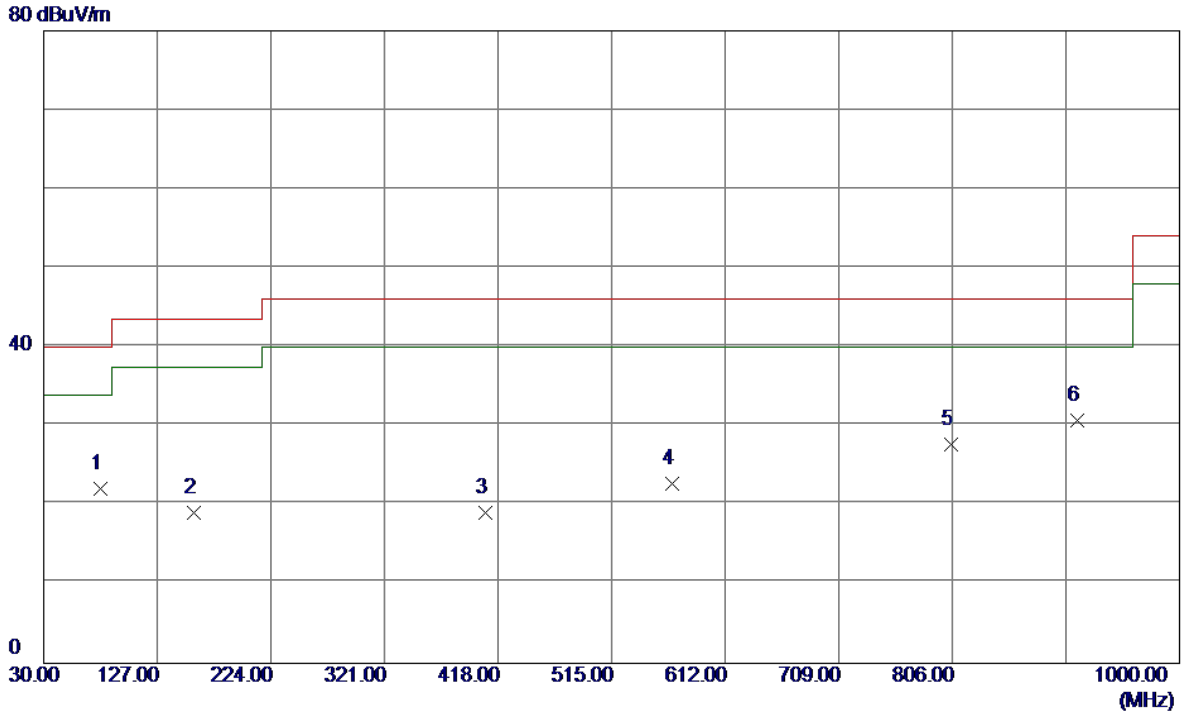


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	55.2200	44.02	-13.38	30.64	40.00	-9.36	Peak	
2	180.3500	36.63	-12.88	23.75	43.50	-19.75	Peak	
3	308.3900	37.21	-10.34	26.87	46.00	-19.13	Peak	
4	458.7400	29.99	-8.30	21.69	46.00	-24.31	Peak	
5	576.1100	31.42	-5.86	25.56	46.00	-20.44	Peak	
6	799.2100	28.17	0.22	28.39	46.00	-17.61	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

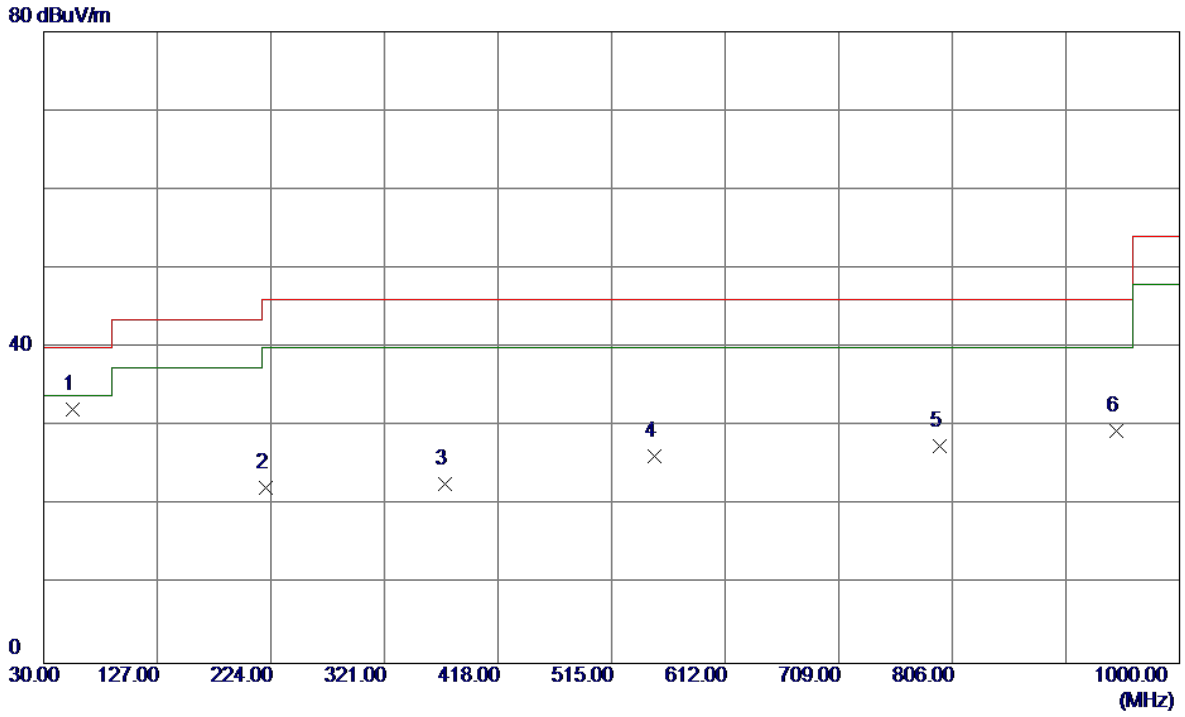


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	78.5000	38.35	-16.21	22.14	40.00	-17.86	Peak	
2	158.0399	31.41	-12.30	19.11	43.50	-24.39	Peak	
3	407.3299	26.81	-7.81	19.00	46.00	-27.00	Peak	
4	566.4099	28.14	-5.37	22.77	46.00	-23.23	Peak	
5	805.0300	27.60	0.11	27.71	46.00	-18.29	Peak	
6 *	912.7000	28.17	2.59	30.76	46.00	-15.24	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

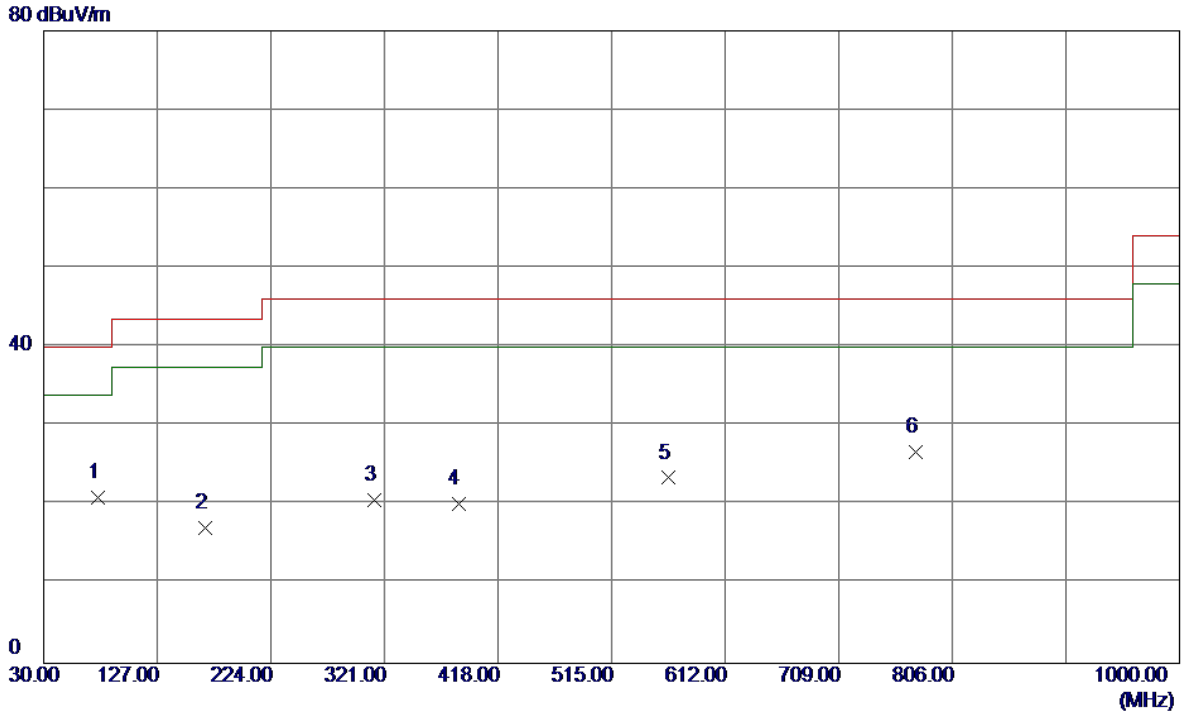


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	55.2200	45.52	-13.38	32.14	40.00	-7.86	Peak	
2	220.1200	36.53	-14.25	22.28	46.00	-23.72	Peak	
3	372.4100	32.43	-9.68	22.75	46.00	-23.25	Peak	
4	551.8600	30.80	-4.63	26.17	46.00	-19.83	Peak	
5	795.3300	27.54	0.05	27.59	46.00	-18.41	Peak	
6	945.6800	26.93	2.46	29.39	46.00	-16.61	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

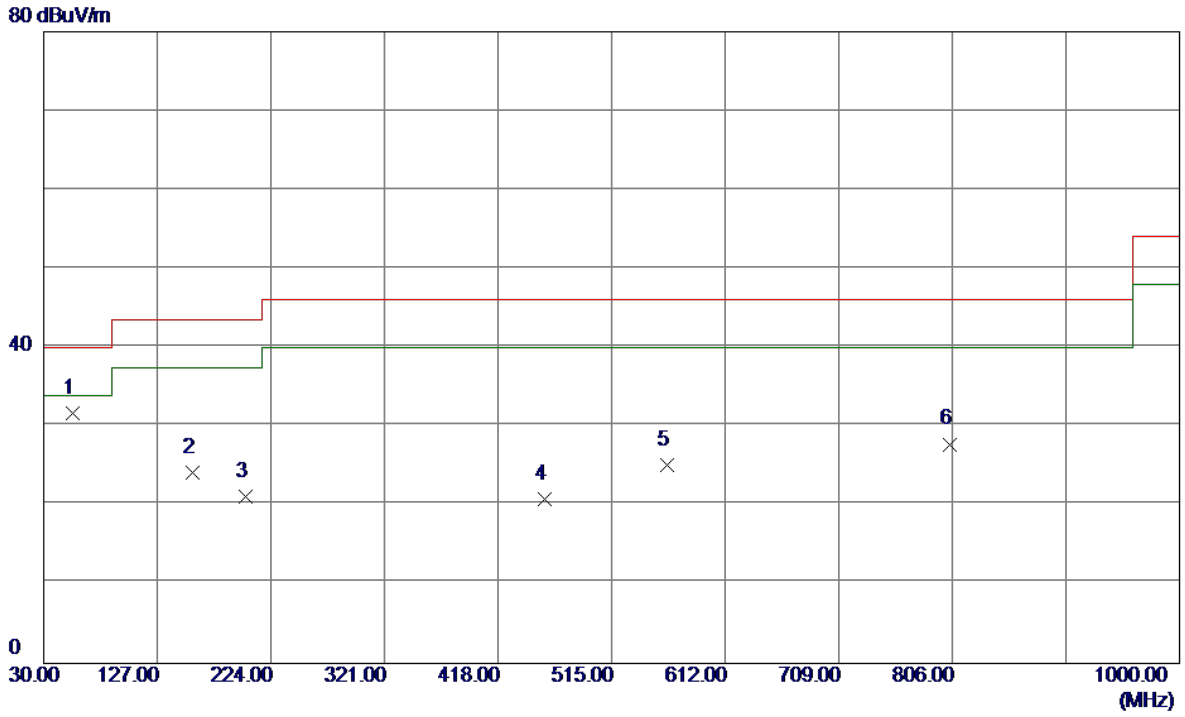


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	76.5600	37.31	-16.42	20.89	40.00	-19.11	Peak	
2	167.7400	29.41	-12.22	17.19	43.50	-26.31	Peak	
3	312.2700	31.10	-10.42	20.68	46.00	-25.32	Peak	
4	384.0500	29.07	-8.88	20.19	46.00	-25.81	Peak	
5	563.5000	28.66	-5.22	23.44	46.00	-22.56	Peak	
6	774.9600	27.64	-0.86	26.78	46.00	-19.22	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

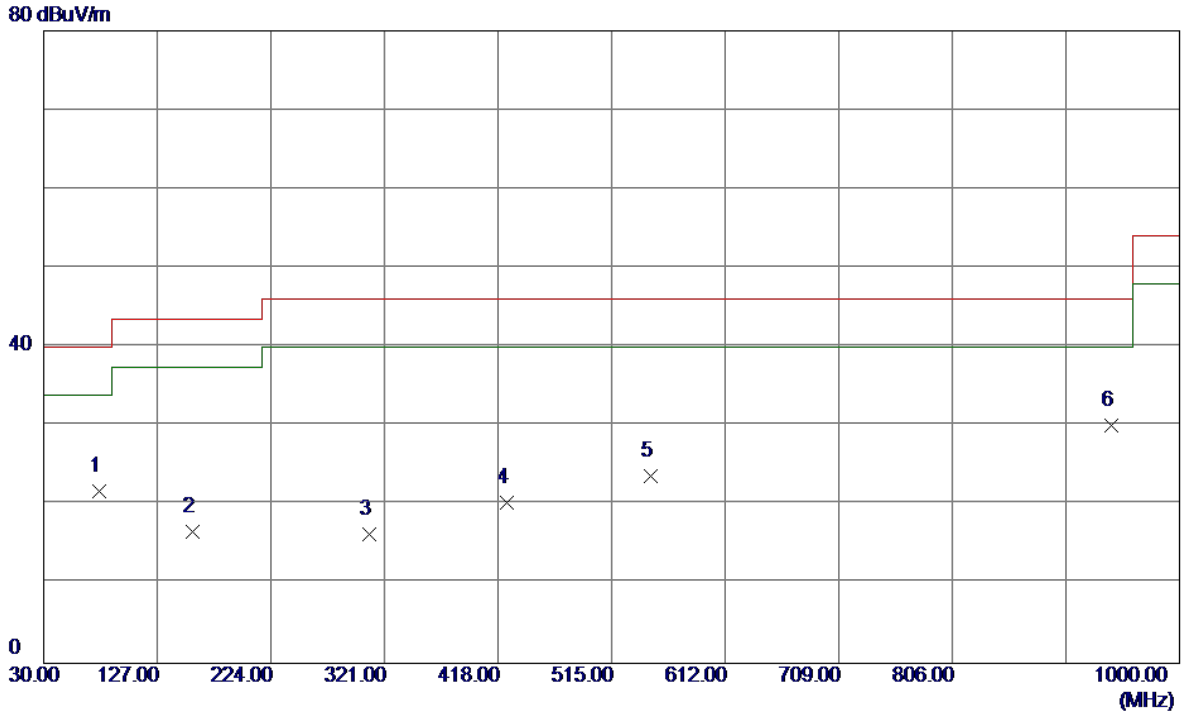


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	55.2200	45.12	-13.38	31.74	40.00	-8.26	Peak	
2	157.0700	36.49	-12.38	24.11	43.50	-19.39	Peak	
3	202.6600	35.55	-14.49	21.06	43.50	-22.44	Peak	
4	457.7700	29.09	-8.27	20.82	46.00	-25.18	Peak	
5	562.5300	30.22	-5.17	25.05	46.00	-20.95	Peak	
6	804.0600	27.62	0.14	27.76	46.00	-18.24	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

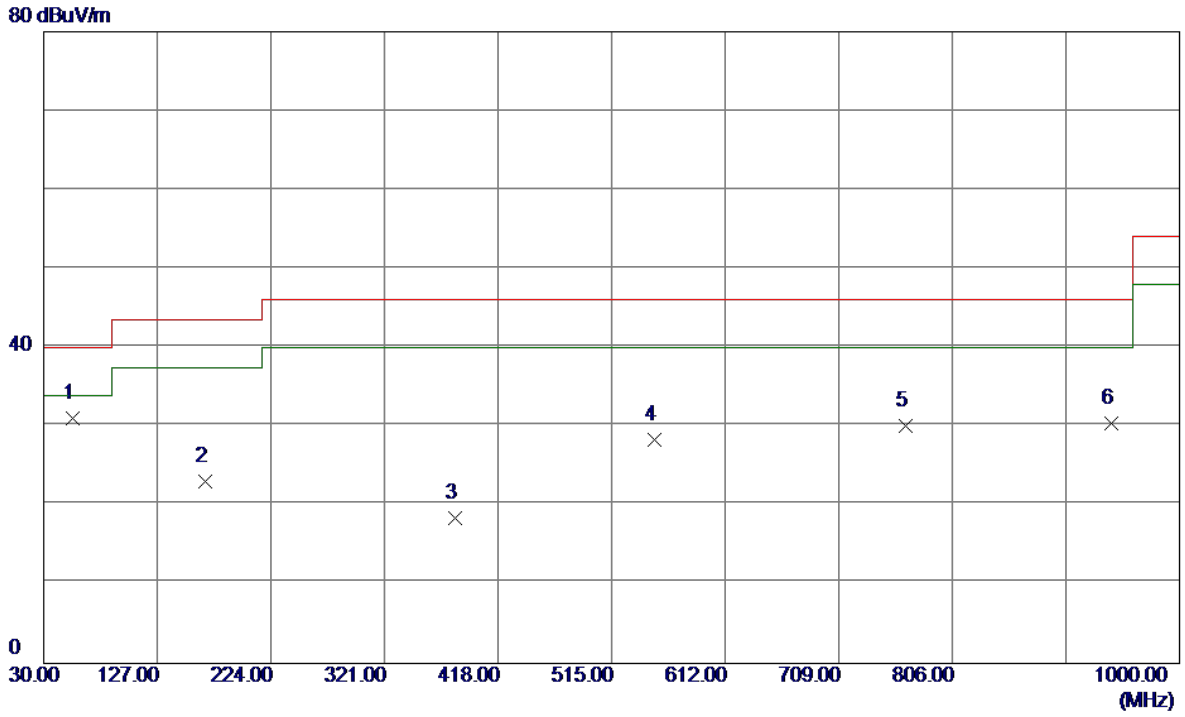


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77.5300	38.03	-16.31	21.72	40.00	-18.28	Peak	
2	157.0700	29.09	-12.38	16.71	43.50	-26.79	Peak	
3	308.3900	26.64	-10.34	16.30	46.00	-29.70	Peak	
4	425.7600	28.17	-7.89	20.28	46.00	-25.72	Peak	
5	547.9800	28.48	-4.75	23.73	46.00	-22.27	Peak	
6 *	941.8000	27.55	2.47	30.02	46.00	-15.98	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

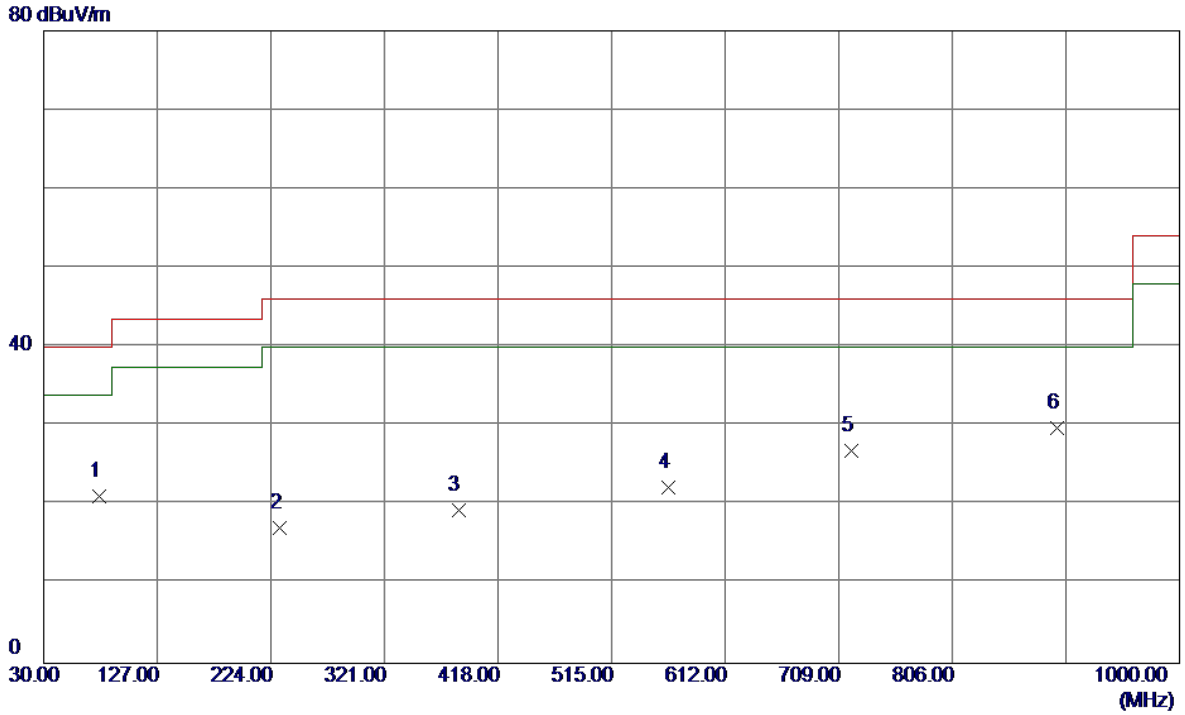


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	55.2200	44.37	-13.38	30.99	40.00	-9.01	Peak	
2	167.7400	35.25	-12.22	23.03	43.50	-20.47	Peak	
3	381.1400	27.42	-9.08	18.34	46.00	-27.66	Peak	
4	551.8600	33.02	-4.63	28.39	46.00	-17.61	Peak	
5	766.2300	31.32	-1.25	30.07	46.00	-15.93	Peak	
6	941.8000	27.95	2.47	30.42	46.00	-15.58	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

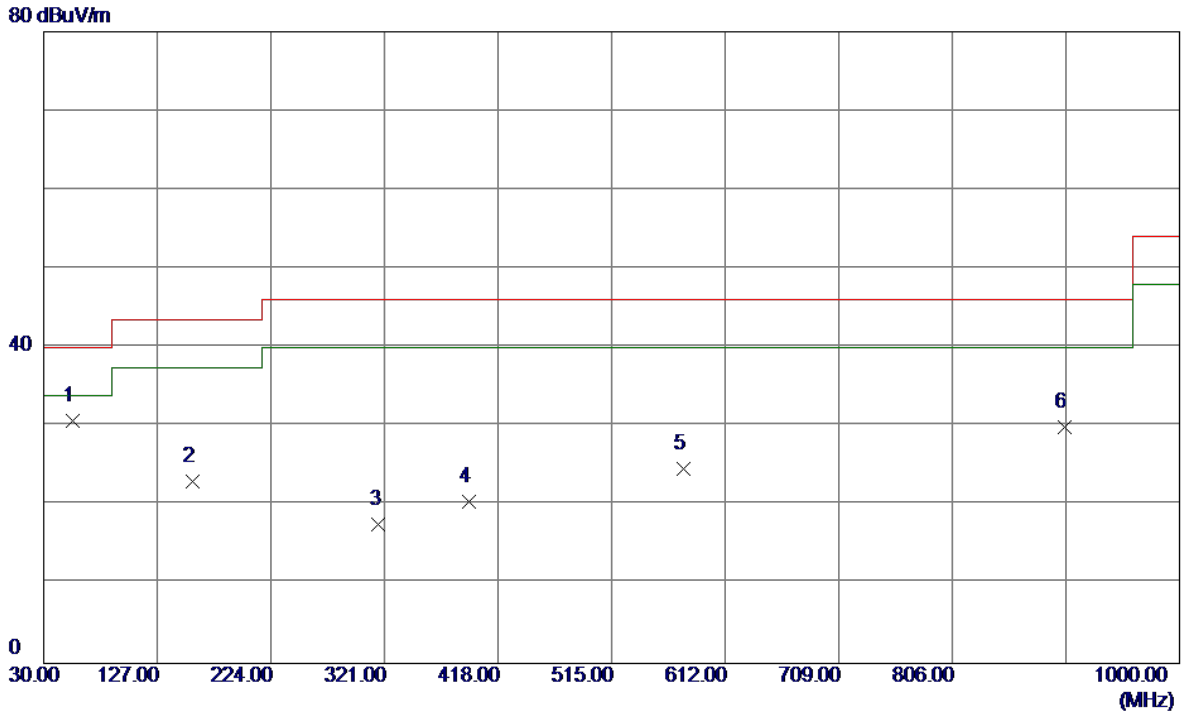


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77.5300	37.44	-16.31	21.13	40.00	-18.87	Peak	
2	231.7600	30.57	-13.44	17.13	46.00	-28.87	Peak	
3	384.0500	28.21	-8.88	19.33	46.00	-26.67	Peak	
4	563.5000	27.52	-5.22	22.30	46.00	-23.70	Peak	
5	719.6700	28.95	-2.05	26.90	46.00	-19.10	Peak	
6 *	895.2400	27.55	2.27	29.82	46.00	-16.18	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

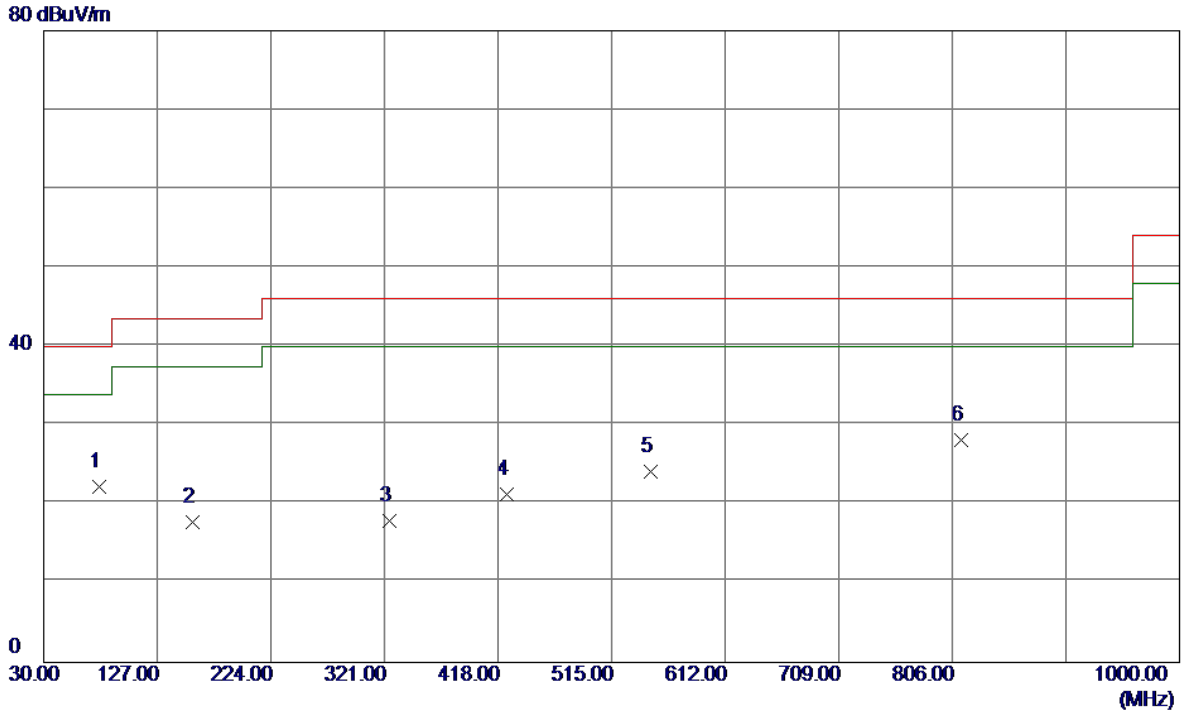


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	55.2200	44.12	-13.38	30.74	40.00	-9.26	Peak	
2	157.0700	35.49	-12.38	23.11	43.50	-20.39	Peak	
3	316.1500	28.04	-10.50	17.54	46.00	-28.46	Peak	
4	392.7800	28.77	-8.28	20.49	46.00	-25.51	Peak	
5	576.1100	30.49	-5.86	24.63	46.00	-21.37	Peak	
6	902.0300	27.30	2.63	29.93	46.00	-16.07	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal



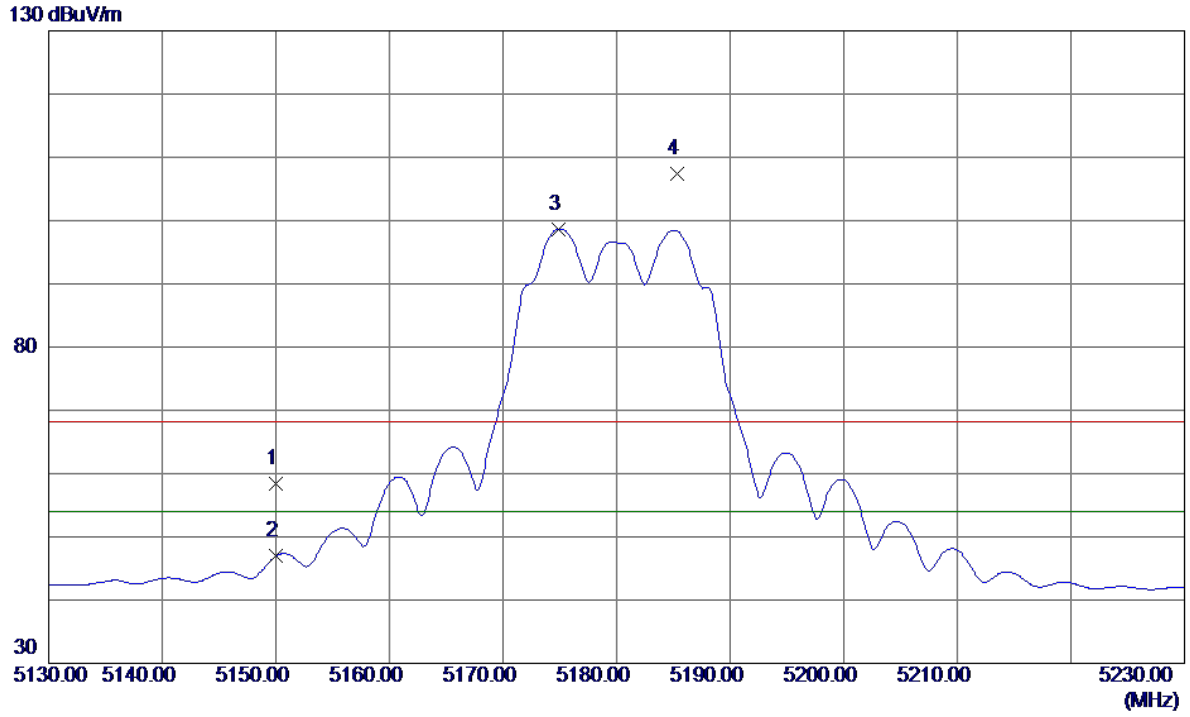
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	77.5300	38.53	-16.31	22.22	40.00	-17.78	Peak	
2	157.0700	30.09	-12.38	17.71	43.50	-25.79	Peak	
3	324.8800	28.57	-10.69	17.88	46.00	-28.12	Peak	
4	425.7600	29.17	-7.89	21.28	46.00	-24.72	Peak	
5	547.9800	28.98	-4.75	24.23	46.00	-21.77	Peak	
6	813.7600	28.36	-0.16	28.20	46.00	-17.80	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

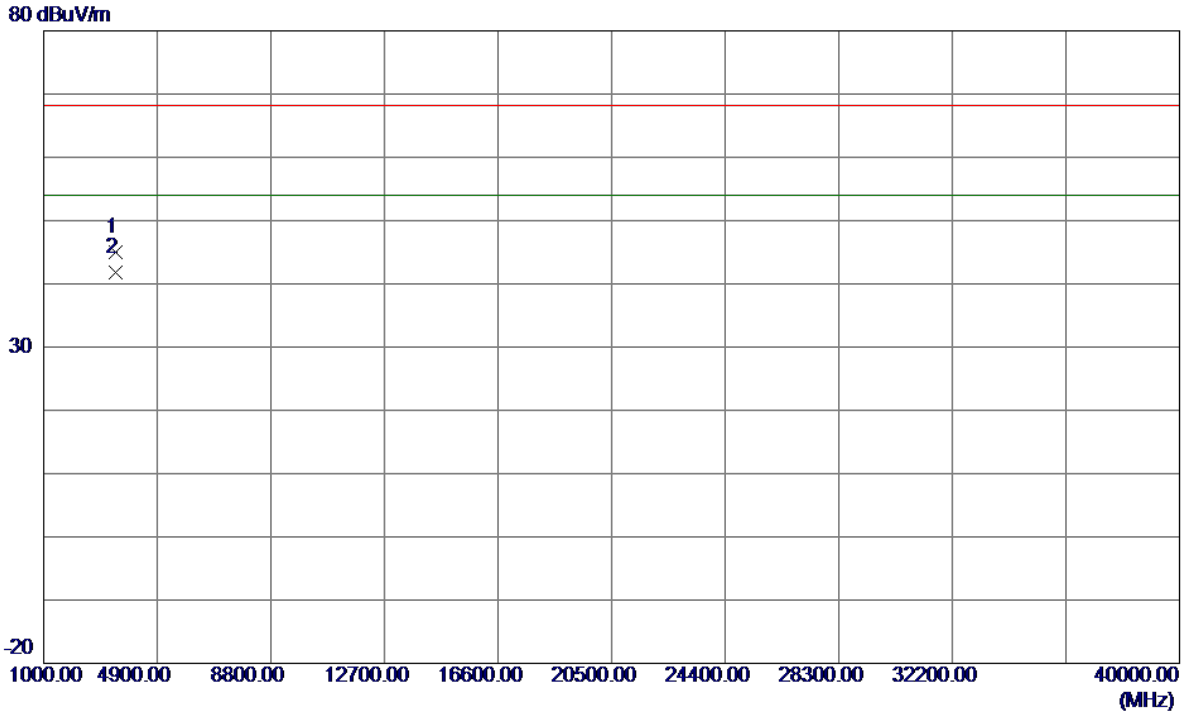


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	17.71	40.62	58.33	68.30	-9.97	Peak	
2	5150.0000	6.32	40.62	46.94	54.00	-7.06	AVG	
3 *	5174.9000	57.95	40.71	98.66	54.00	44.66	AVG	No Limit
4	5185.3000	66.65	40.74	107.39	68.30	39.09	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

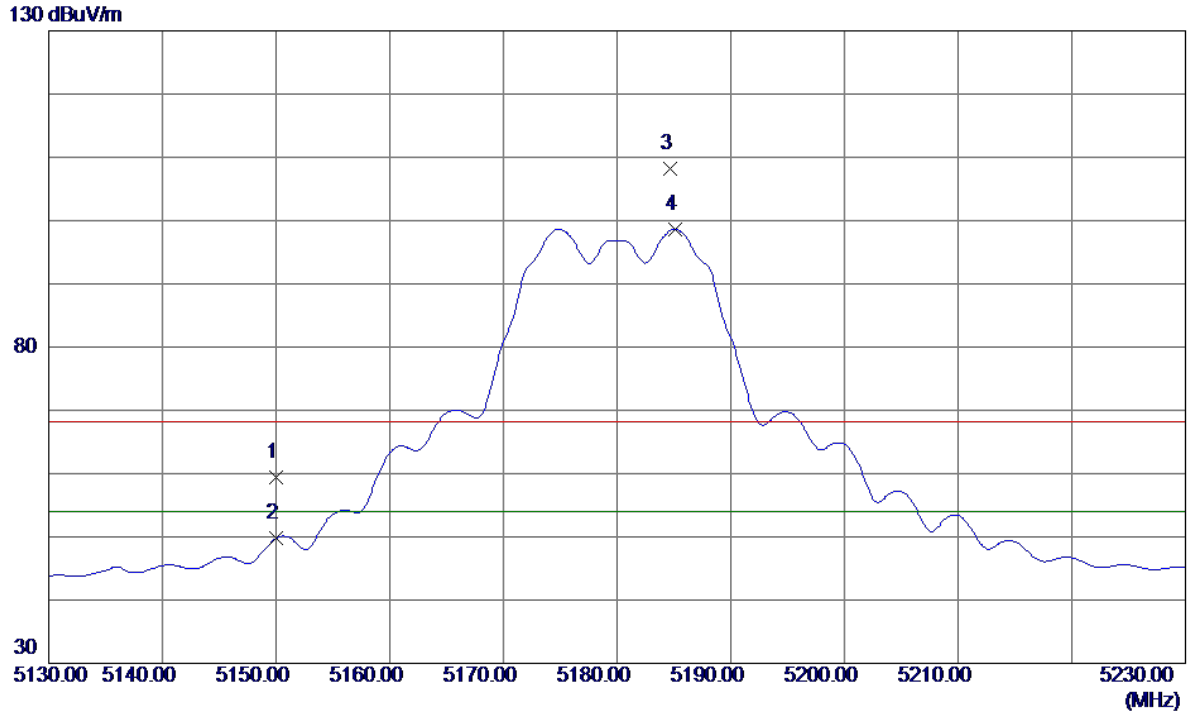


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3453.2400	44.44	0.61	45.05	68.30	-23.25	Peak	
2 *	3453.3050	41.24	0.61	41.85	54.00	-12.15	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

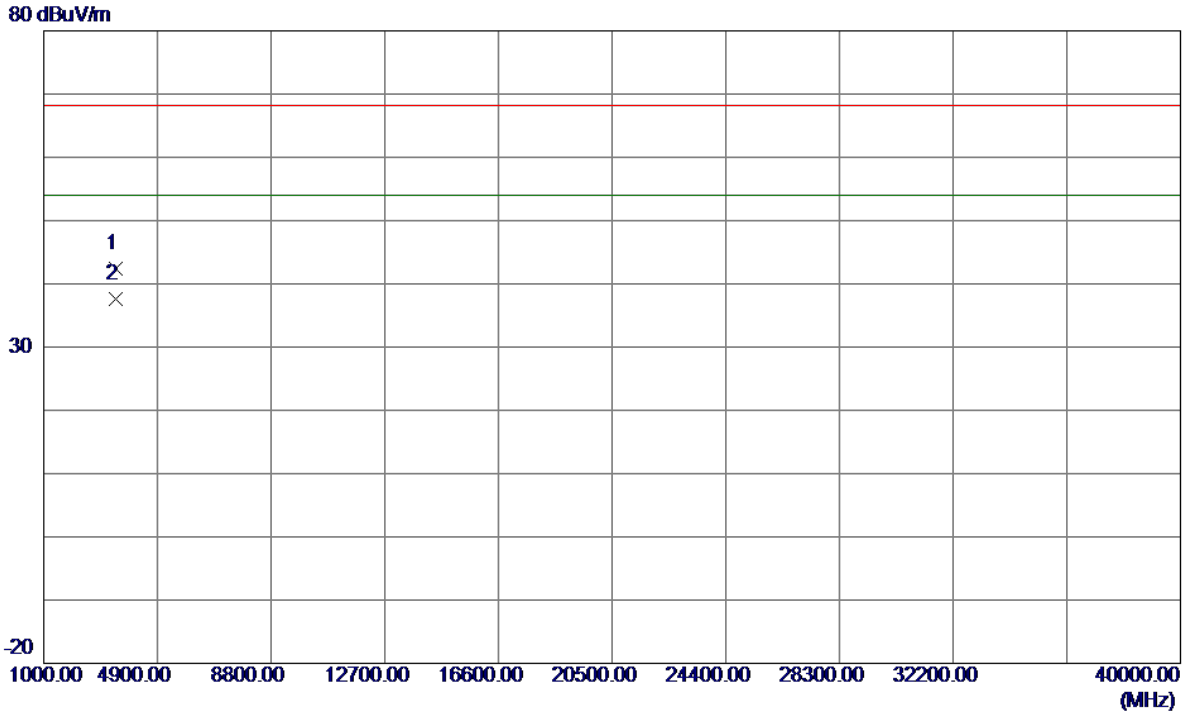


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	18.76	40.62	59.38	68.30	-8.92	Peak	
2	5150.0000	9.19	40.62	49.81	54.00	-4.19	AVG	
3	5184.7000	67.38	40.74	108.12	68.30	39.82	Peak	No Limit
4 *	5185.1000	57.84	40.74	98.58	54.00	44.58	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

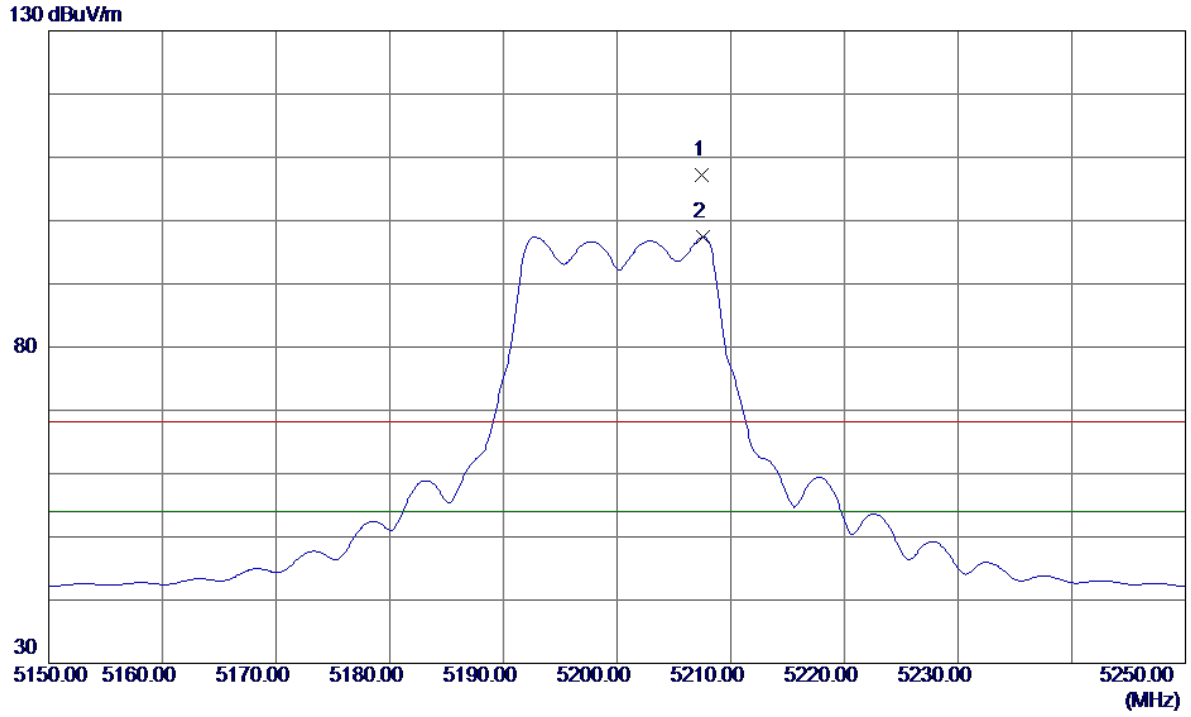


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3453.2450	41.75	0.61	42.36	68.30	-25.94	Peak	
2 *	3453.2800	36.93	0.61	37.54	54.00	-16.46	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

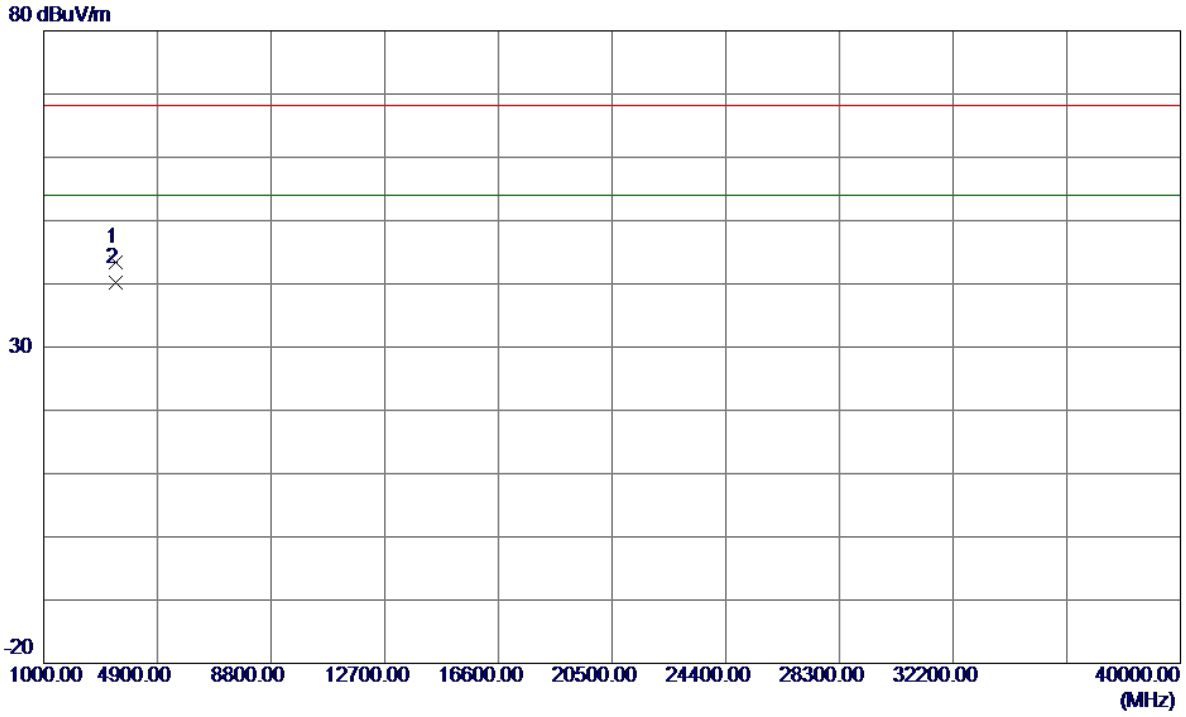


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5207.5000	66.47	40.81	107.28	68.30	38.98	Peak	No Limit
2 *	5207.6000	56.62	40.81	97.43	54.00	43.43	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

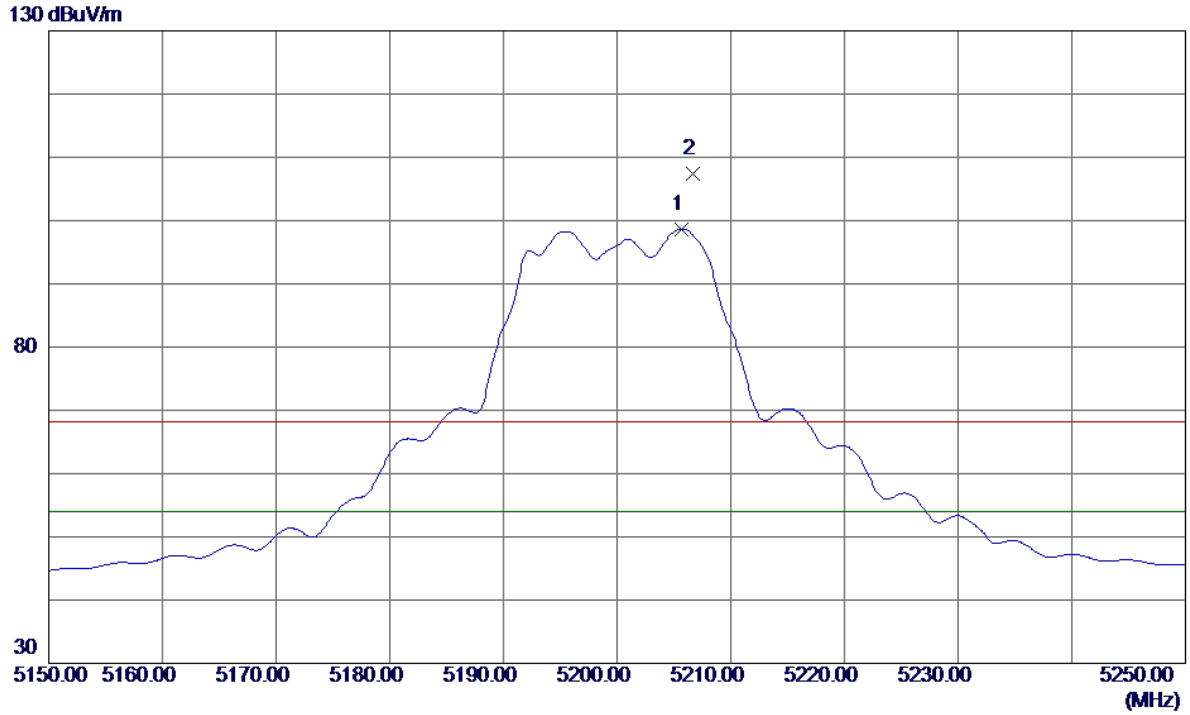


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3466.2240	42.82	0.60	43.42	68.30	-24.88	Peak	
2 *	3466.5820	39.53	0.60	40.13	54.00	-13.87	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

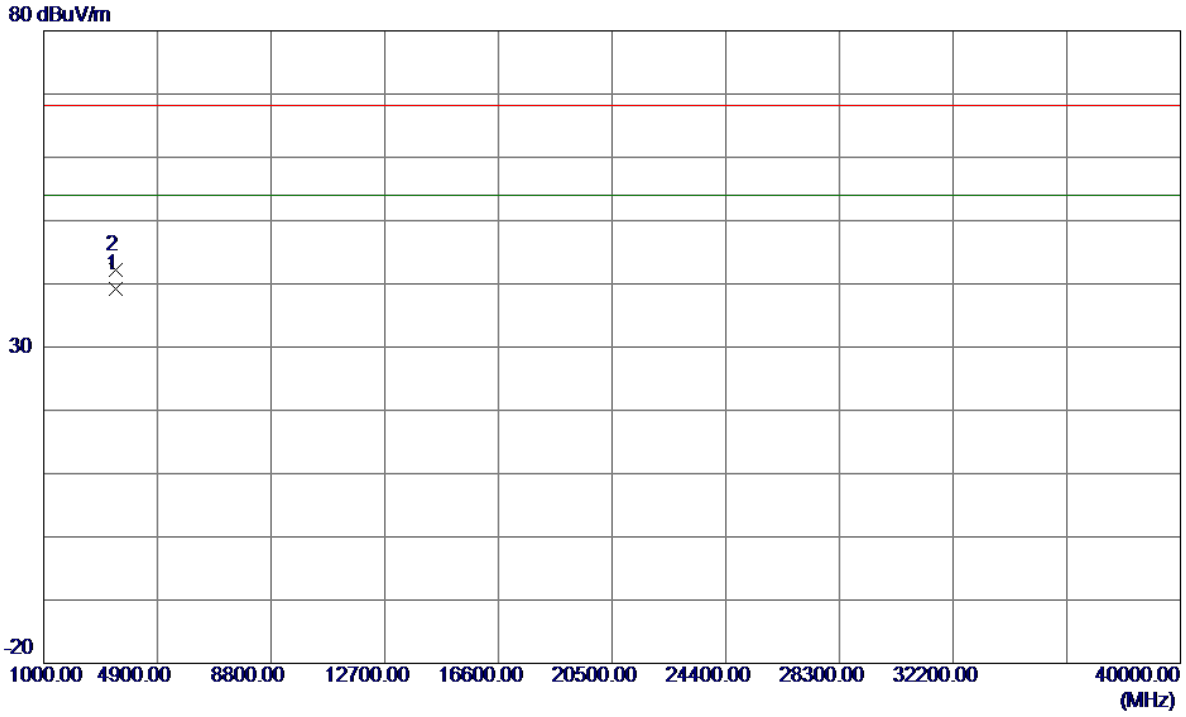


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5205.7000	57.87	40.81	98.68	54.00	44.68	AVG	No Limit
2	5206.7000	66.63	40.81	107.44	68.30	39.14	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

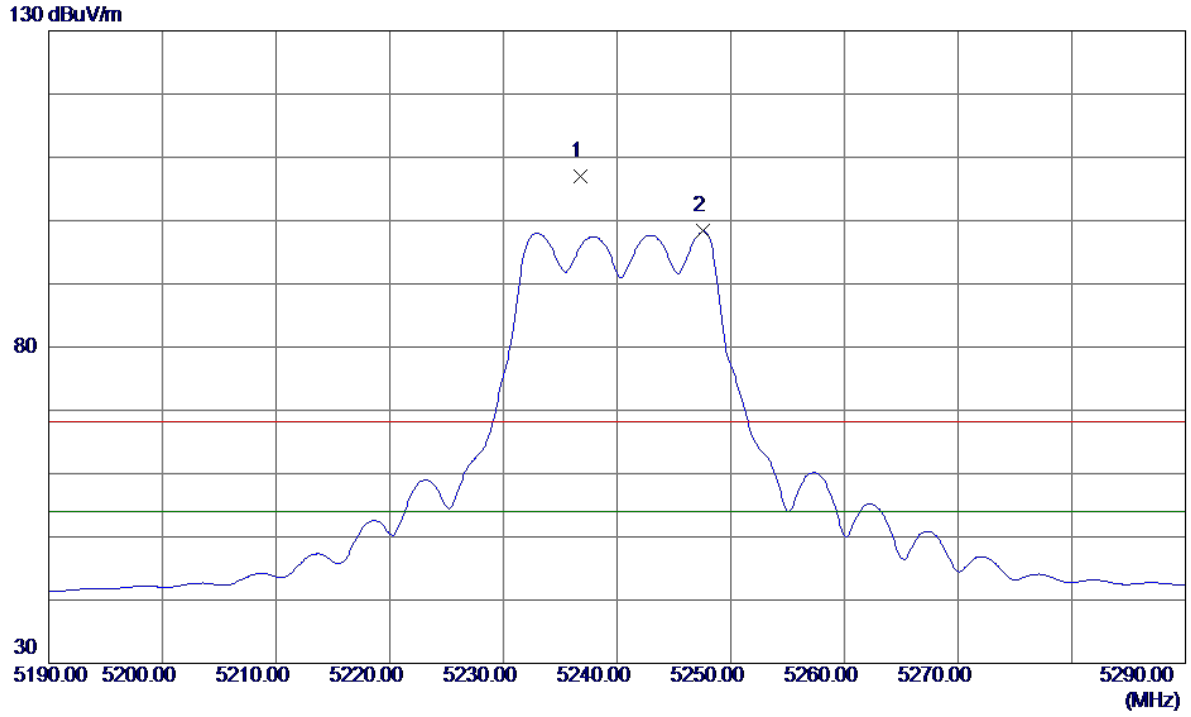


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3466.6450	38.66	0.60	39.26	54.00	-14.74	AVG	
2	3466.7100	41.65	0.60	42.25	68.30	-26.05	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

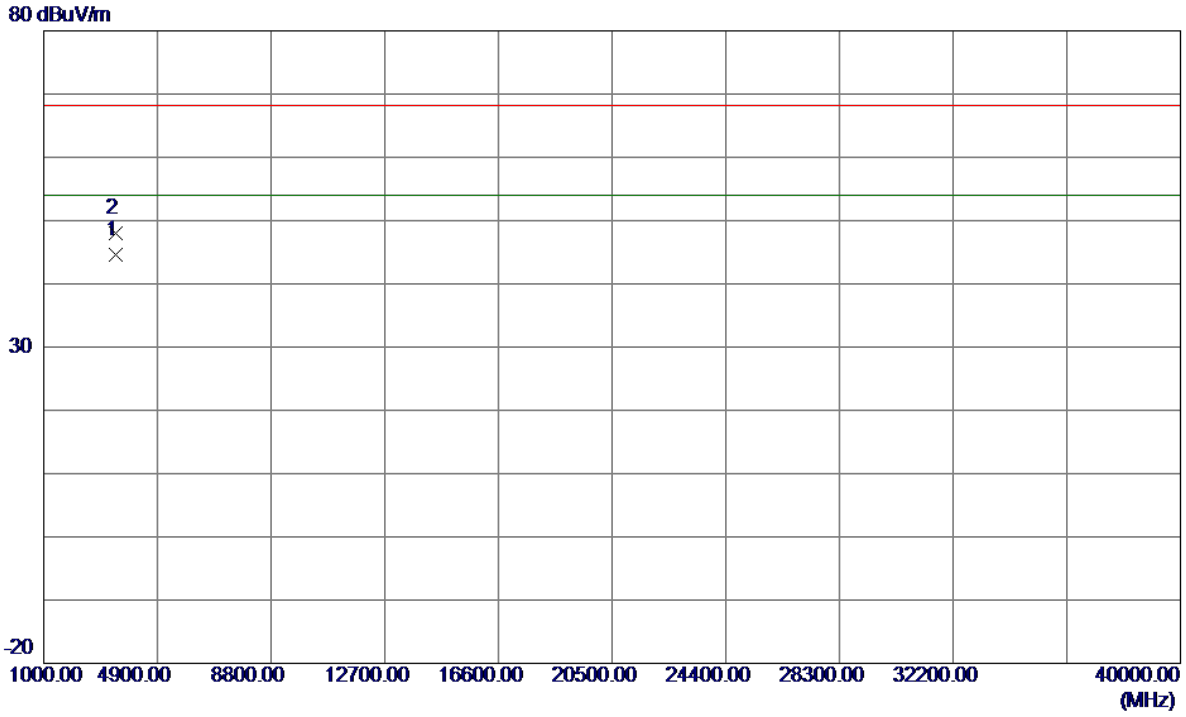


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5236.8000	66.14	40.91	107.05	68.30	38.75	Peak	No Limit
2 *	5247.6000	57.38	40.95	98.33	54.00	44.33	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

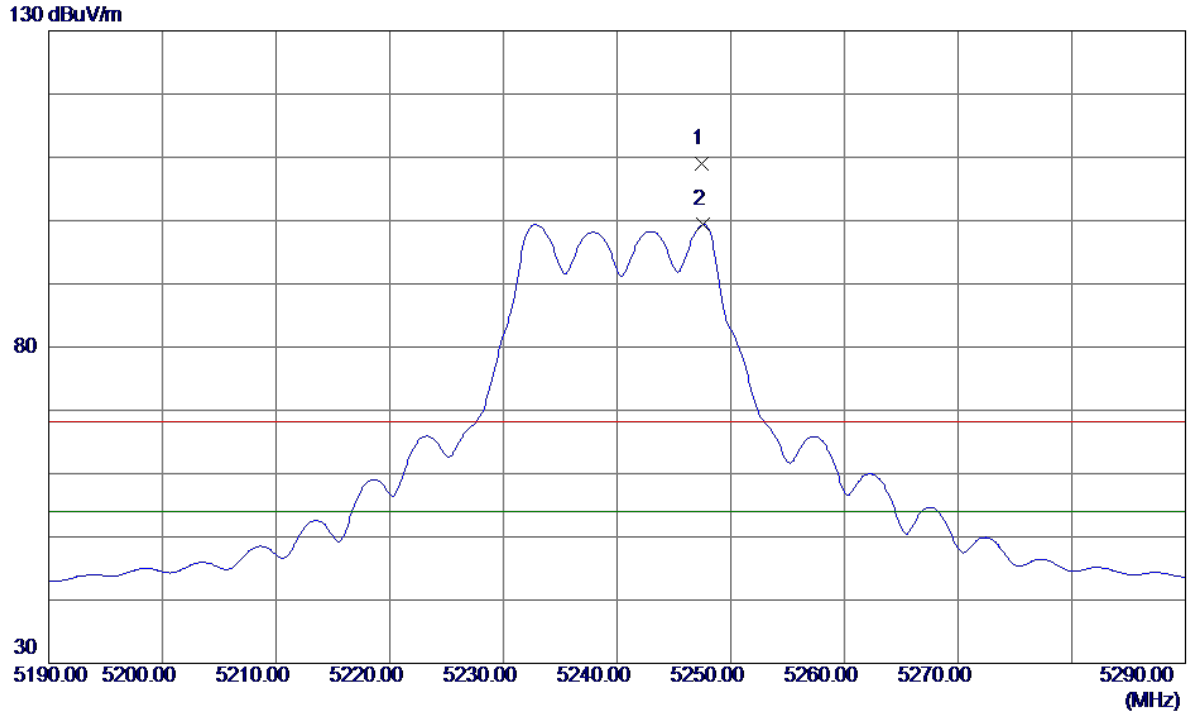


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3466.1000	44.01	0.60	44.61	54.00	-9.39	AVG	
2	3466.5500	47.31	0.60	47.91	68.30	-20.39	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

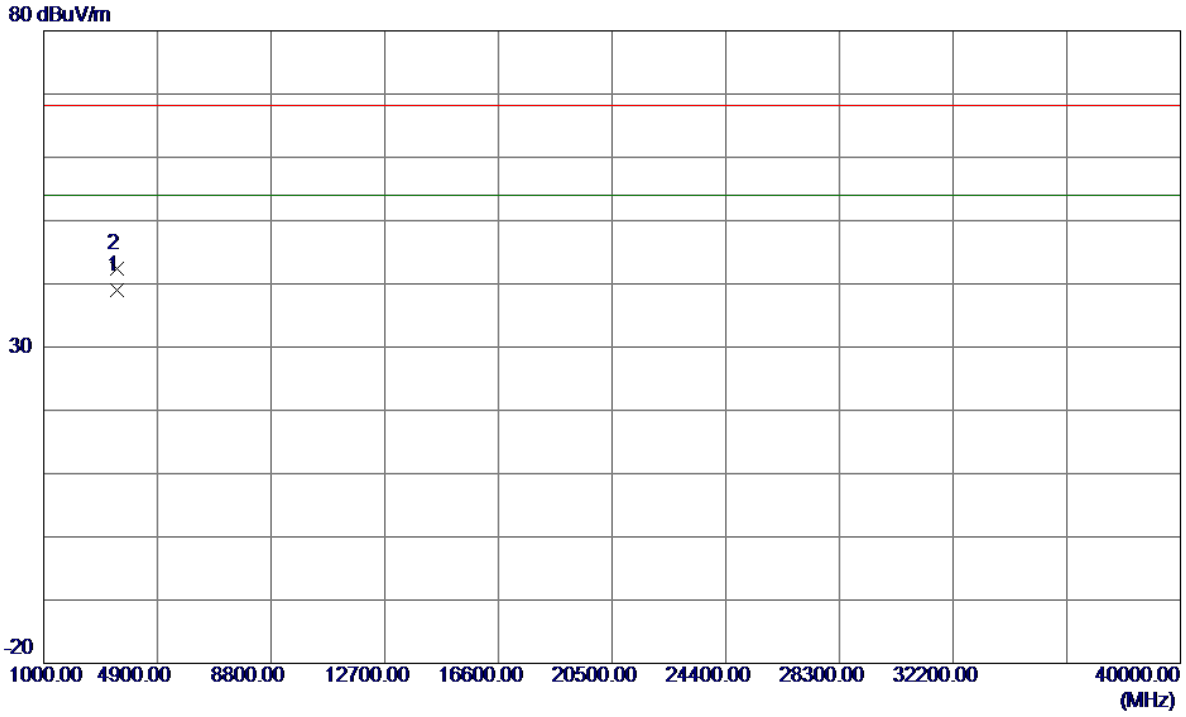


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5247.4000	67.99	40.95	108.94	68.30	40.64	Peak	No Limit
2 *	5247.6000	58.45	40.95	99.40	54.00	45.40	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

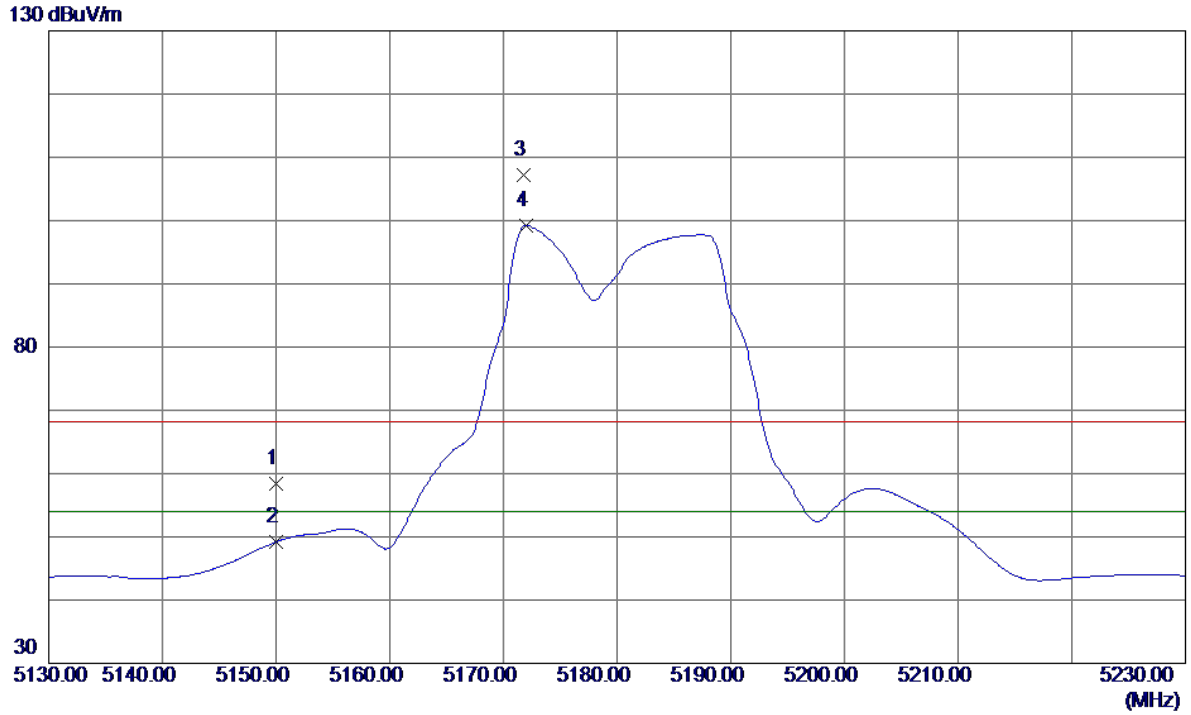


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3493.3450	38.51	0.58	39.09	54.00	-14.91	AVG	
2	3493.3750	41.83	0.58	42.41	68.30	-25.89	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

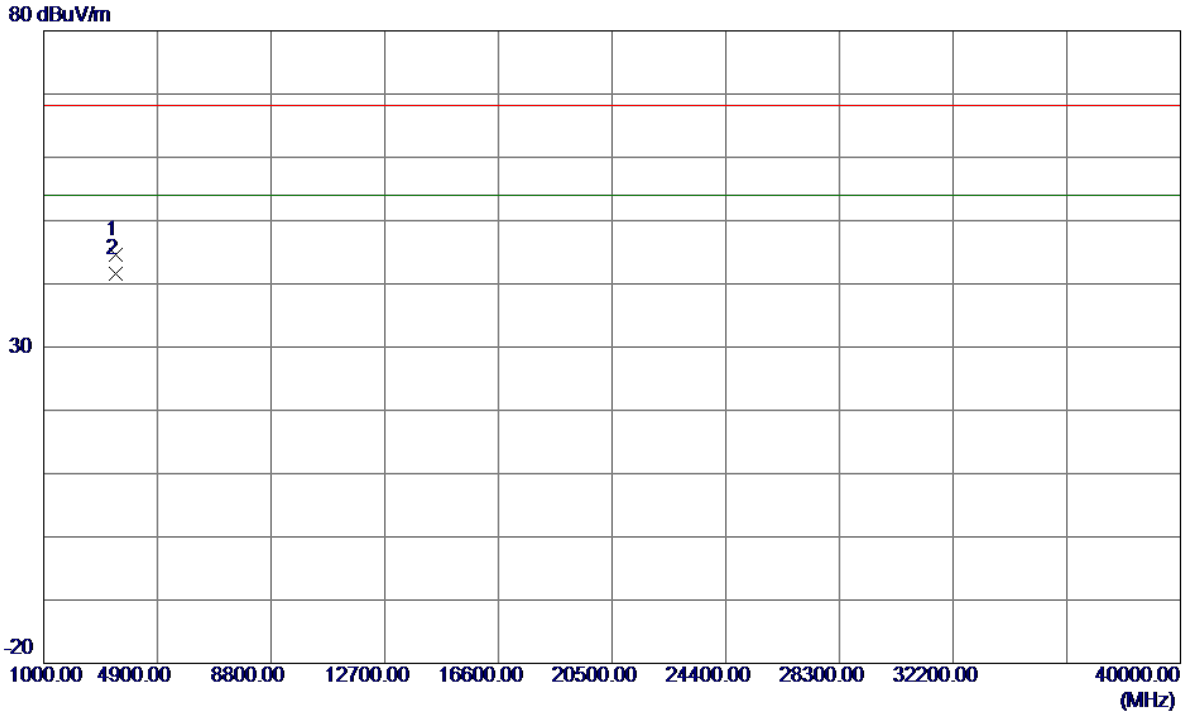


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	17.71	40.62	58.33	68.30	-9.97	Peak	
2	5150.0000	8.58	40.62	49.20	54.00	-4.80	AVG	
3	5171.8000	66.46	40.70	107.16	68.30	38.86	Peak	No Limit
4 *	5172.0000	58.53	40.70	99.23	54.00	45.23	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

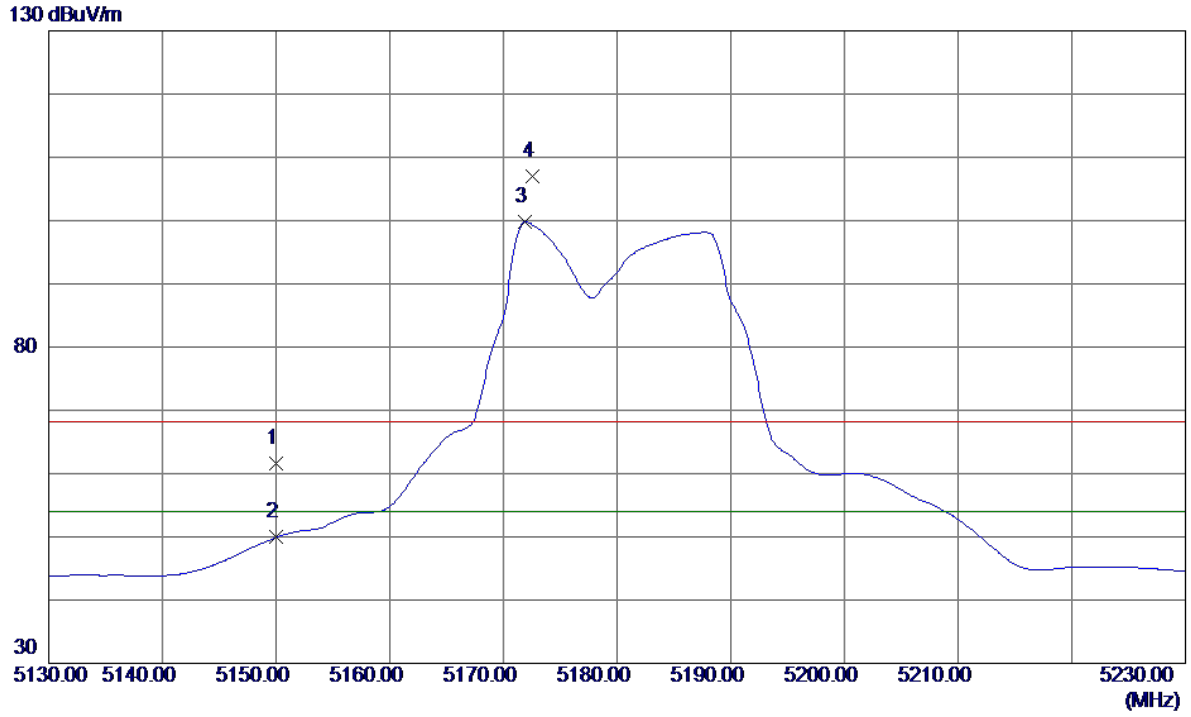


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3453.2550	43.92	0.61	44.53	68.30	-23.77	Peak	
2 *	3453.2950	40.93	0.61	41.54	54.00	-12.46	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

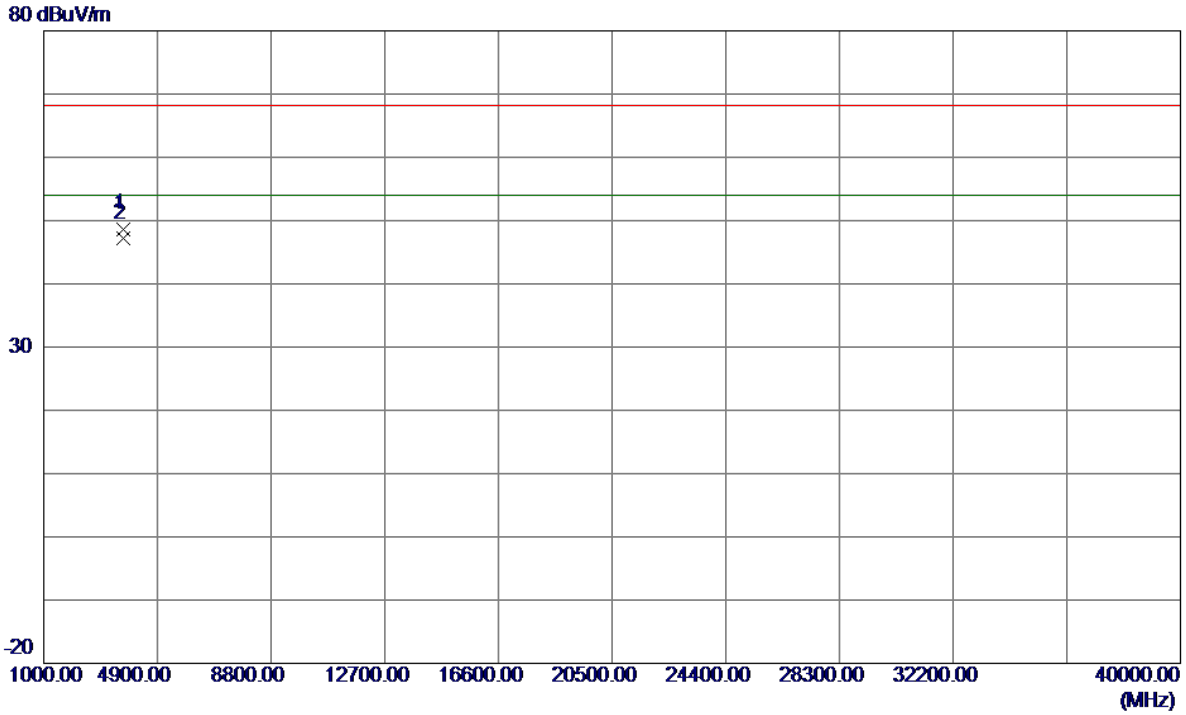


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.92	40.62	61.54	68.30	-6.76	Peak	
2	5150.0000	9.31	40.62	49.93	54.00	-4.07	AVG	
3 *	5171.9000	59.06	40.70	99.76	54.00	45.76	AVG	No Limit
4	5172.6000	66.40	40.70	107.10	68.30	38.80	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

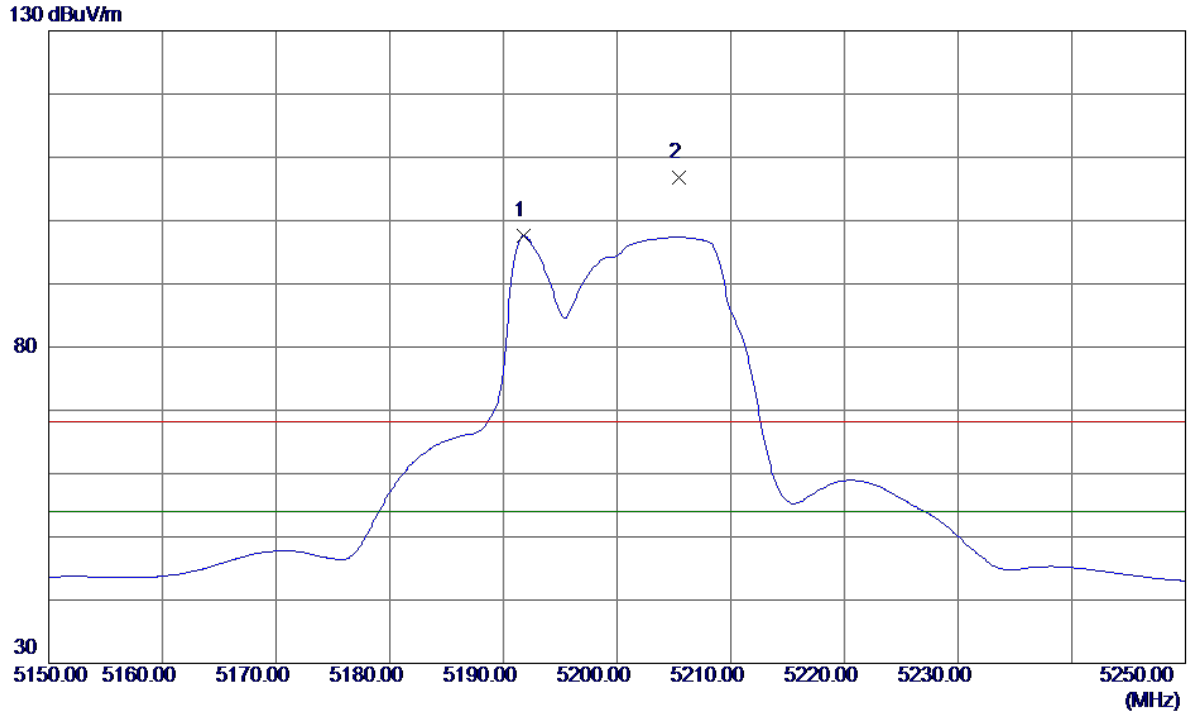


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3749.9800	47.36	1.34	48.70	68.30	-19.60	Peak	
2 *	3749.9850	45.81	1.34	47.15	54.00	-6.85	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

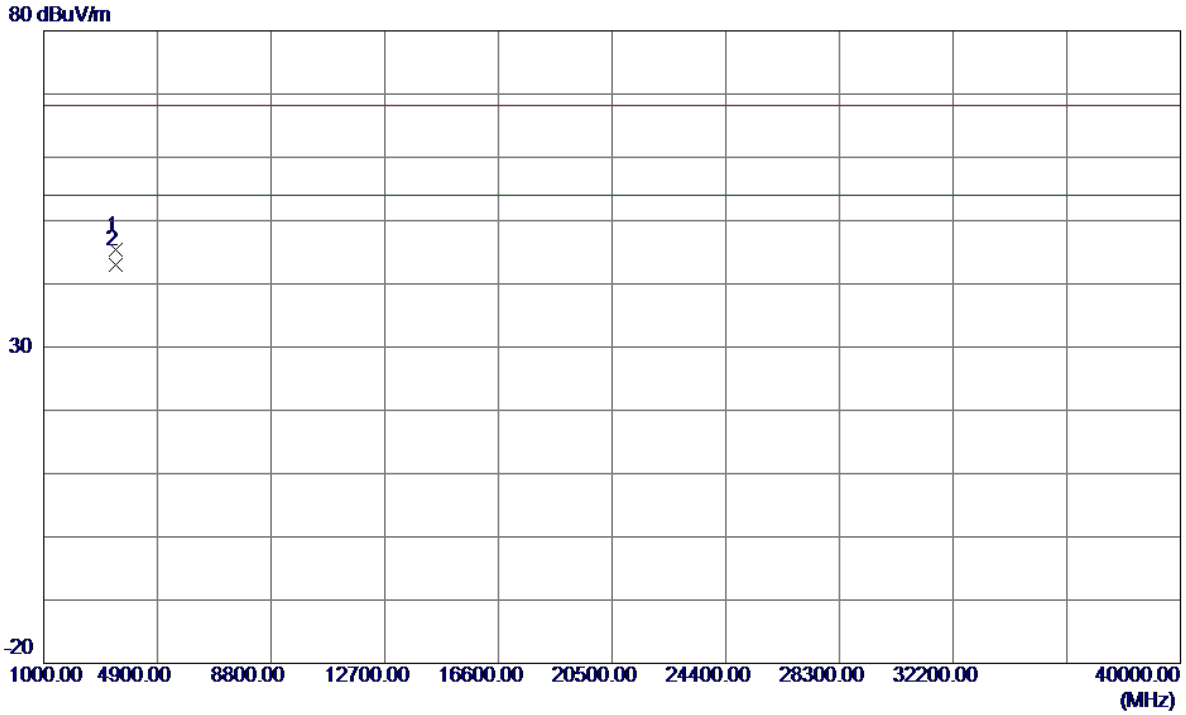


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5191.8000	56.81	40.76	97.57	54.00	43.57	AVG	No Limit
2	5205.4000	65.91	40.81	106.72	68.30	38.42	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

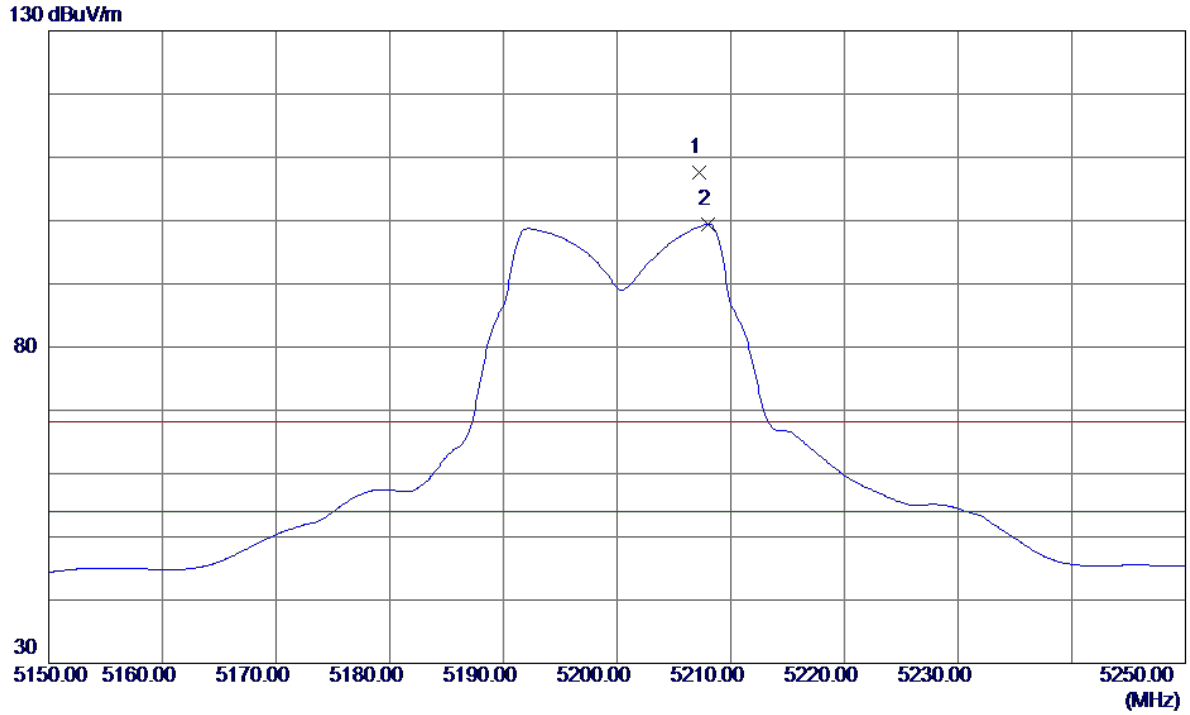


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3466.6300	44.70	0.60	45.30	68.30	-23.00	Peak	
2 *	3466.6650	42.33	0.60	42.93	54.00	-11.07	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

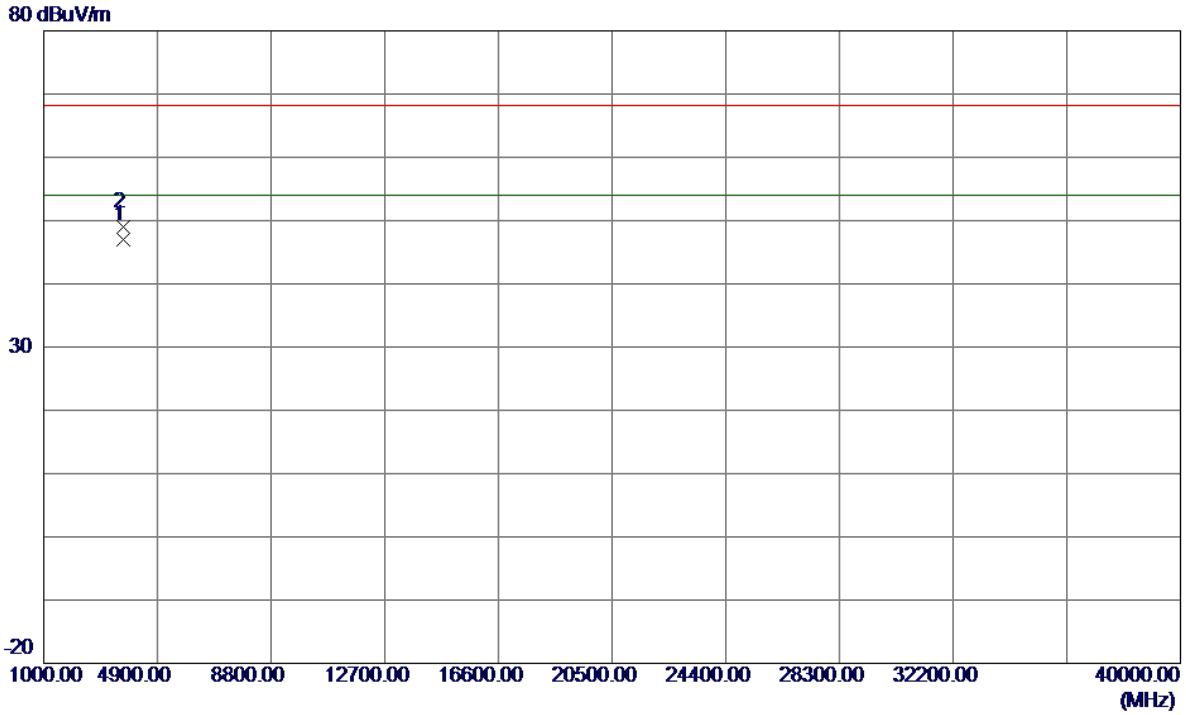


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5207.2000	66.71	40.81	107.52	68.30	39.22	Peak	No Limit
2 *	5208.0000	58.60	40.82	99.42	54.00	45.42	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

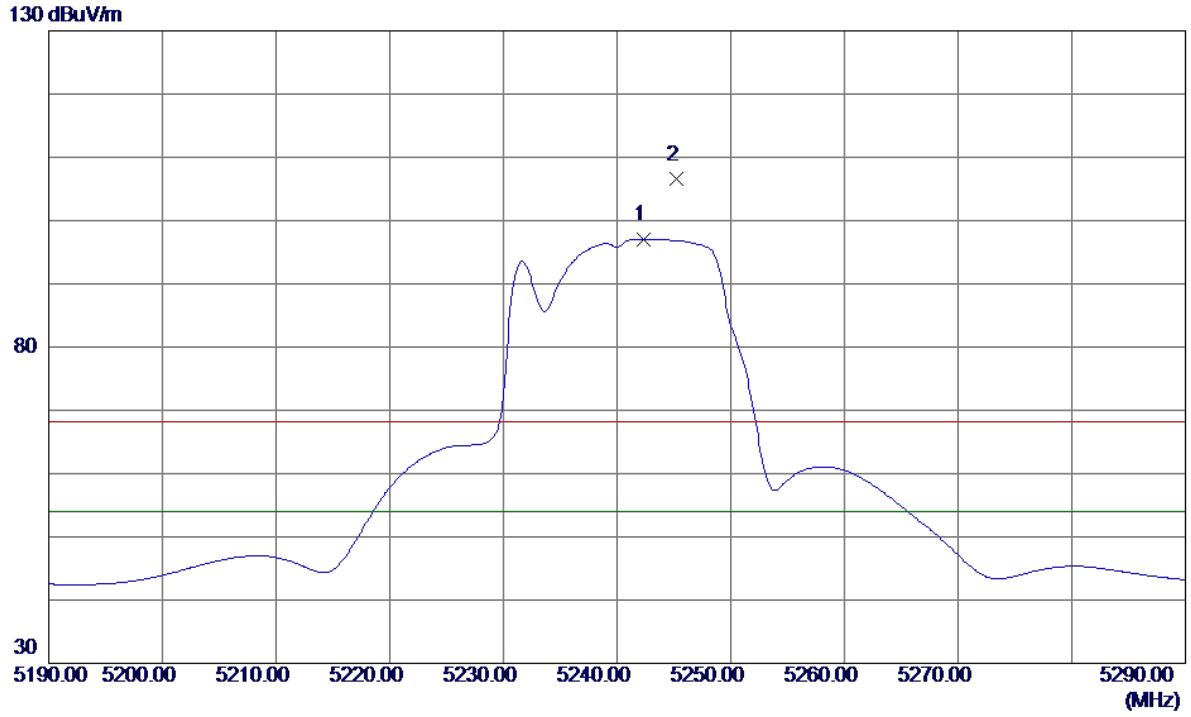


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3750.0000	45.74	1.34	47.08	54.00	-6.92	AVG	
2	3750.0350	47.69	1.34	49.03	68.30	-19.27	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

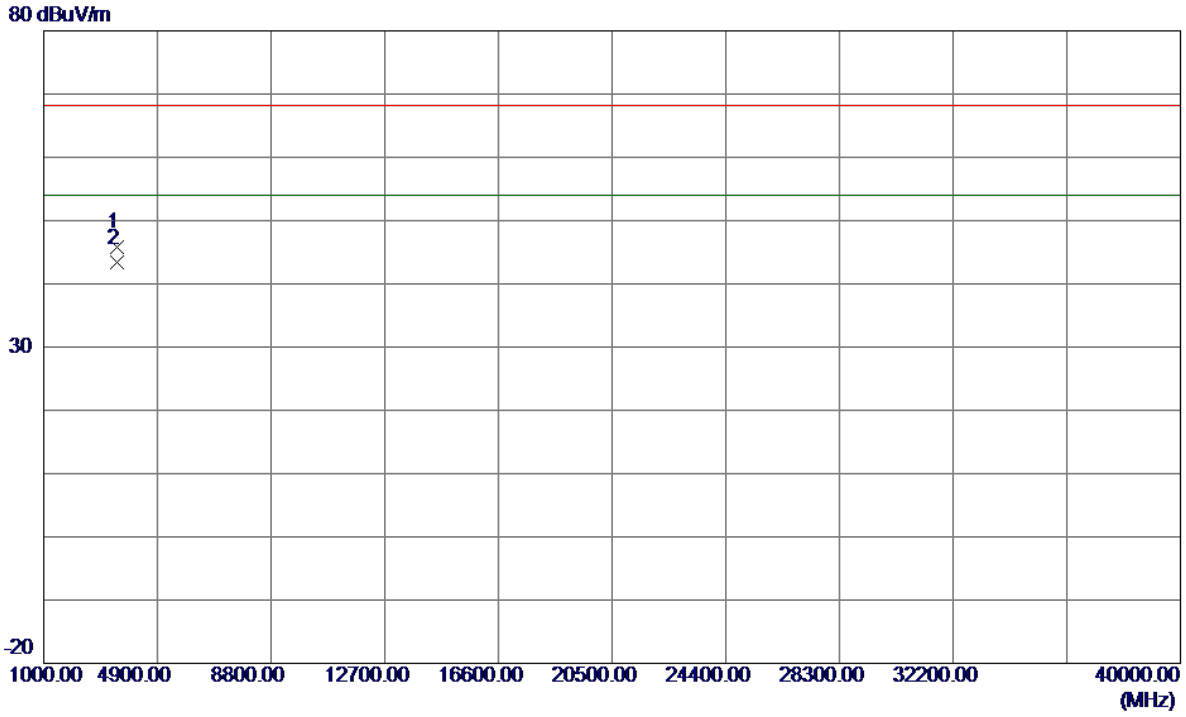


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5242.3000	56.08	40.93	97.01	54.00	43.01	AVG	No Limit
2	5245.2000	65.56	40.94	106.50	68.30	38.20	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

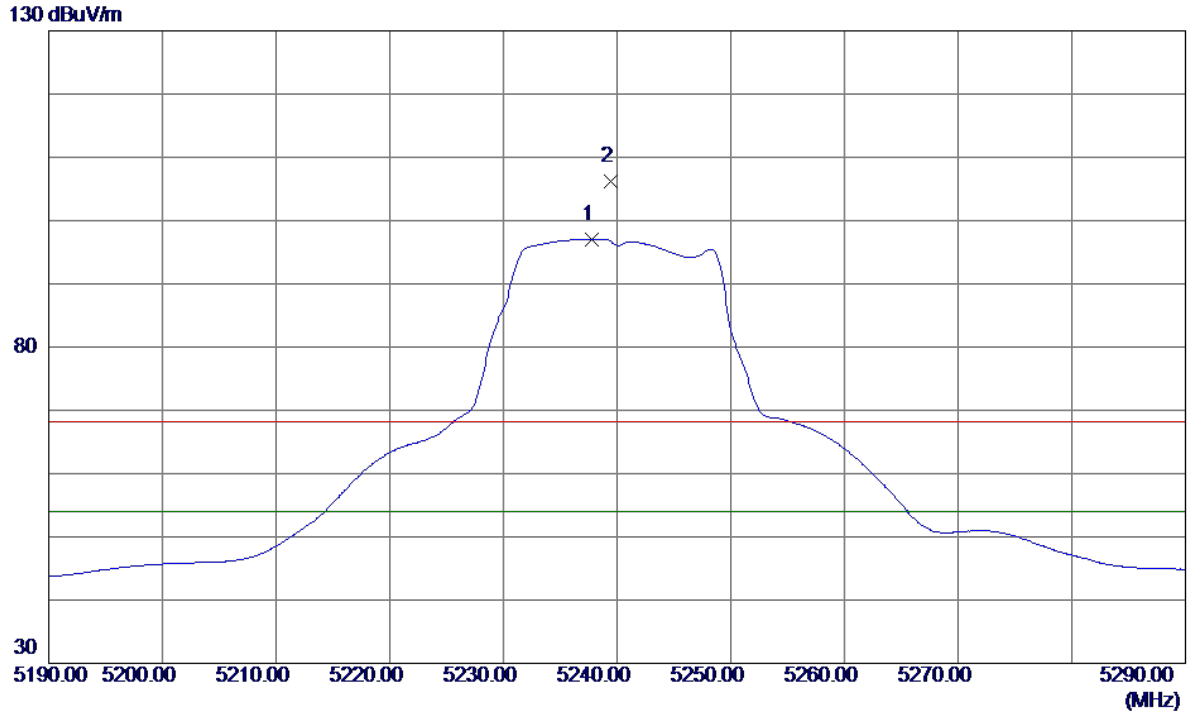


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3493.2550	45.18	0.58	45.76	68.30	-22.54	Peak	
2 *	3493.3250	42.72	0.58	43.30	54.00	-10.70	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

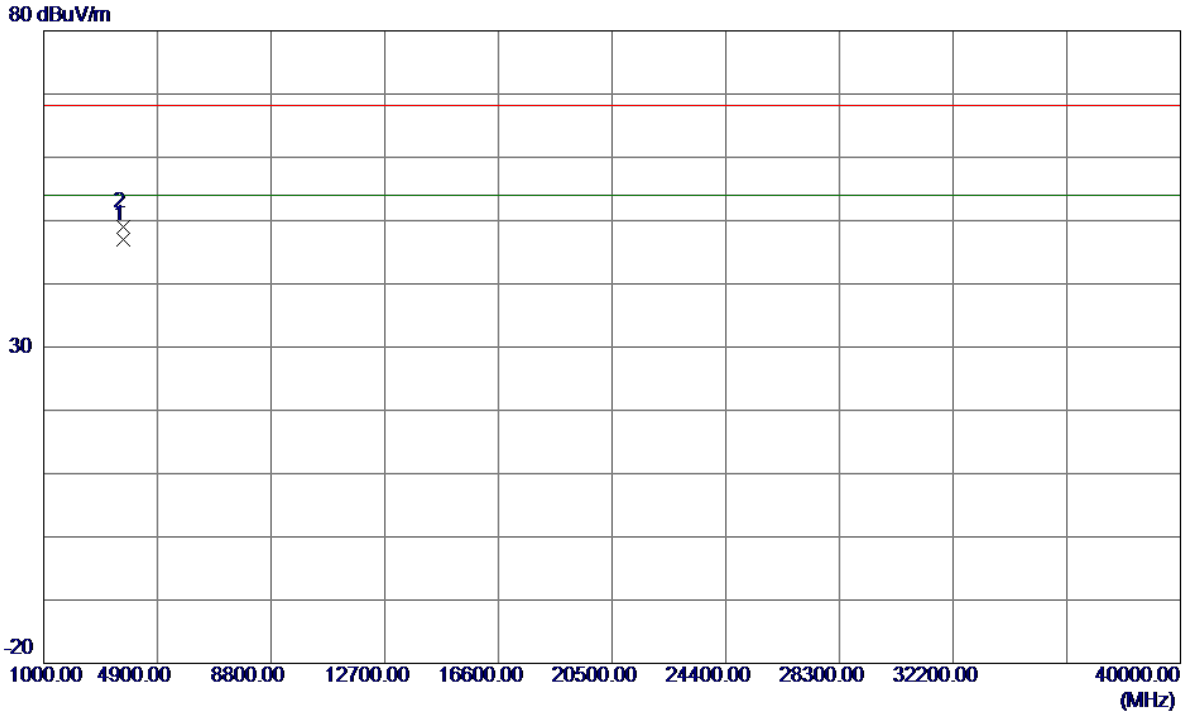


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5237.8000	56.19	40.91	97.10	54.00	43.10	AVG	No Limit
2	5239.4000	65.33	40.92	106.25	68.30	37.95	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

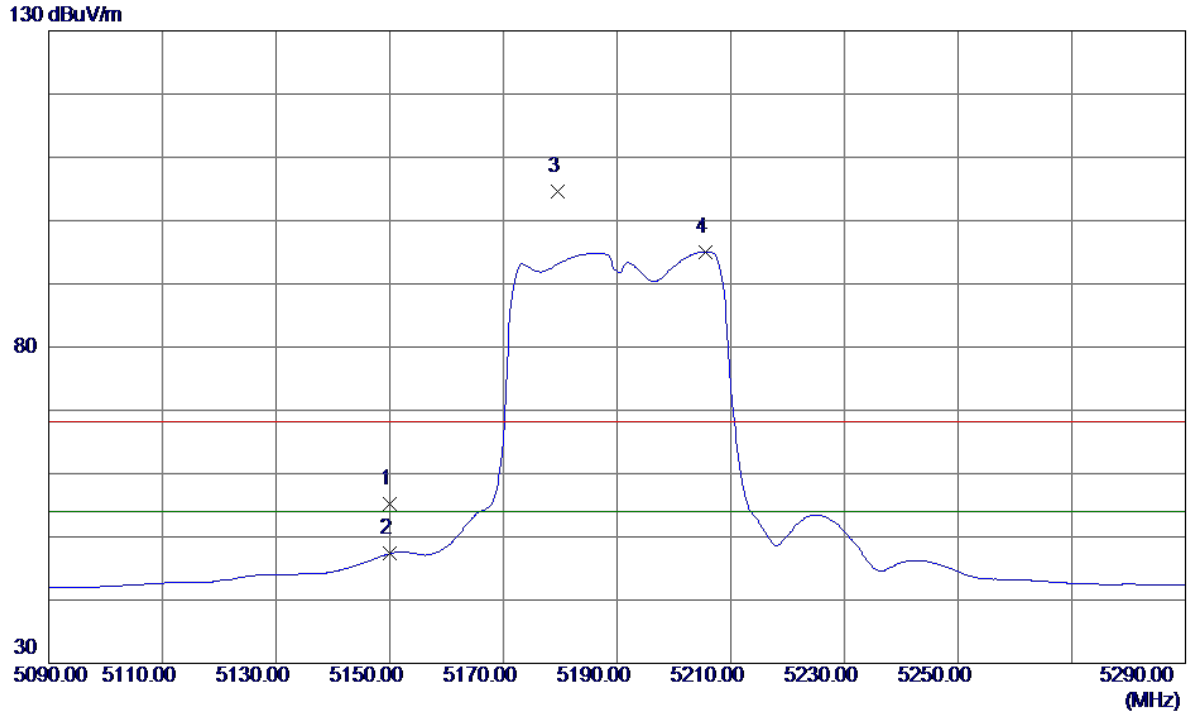


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3749.9950	45.68	1.34	47.02	54.00	-6.98	AVG	
2	3750.0050	47.59	1.34	48.93	68.30	-19.37	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

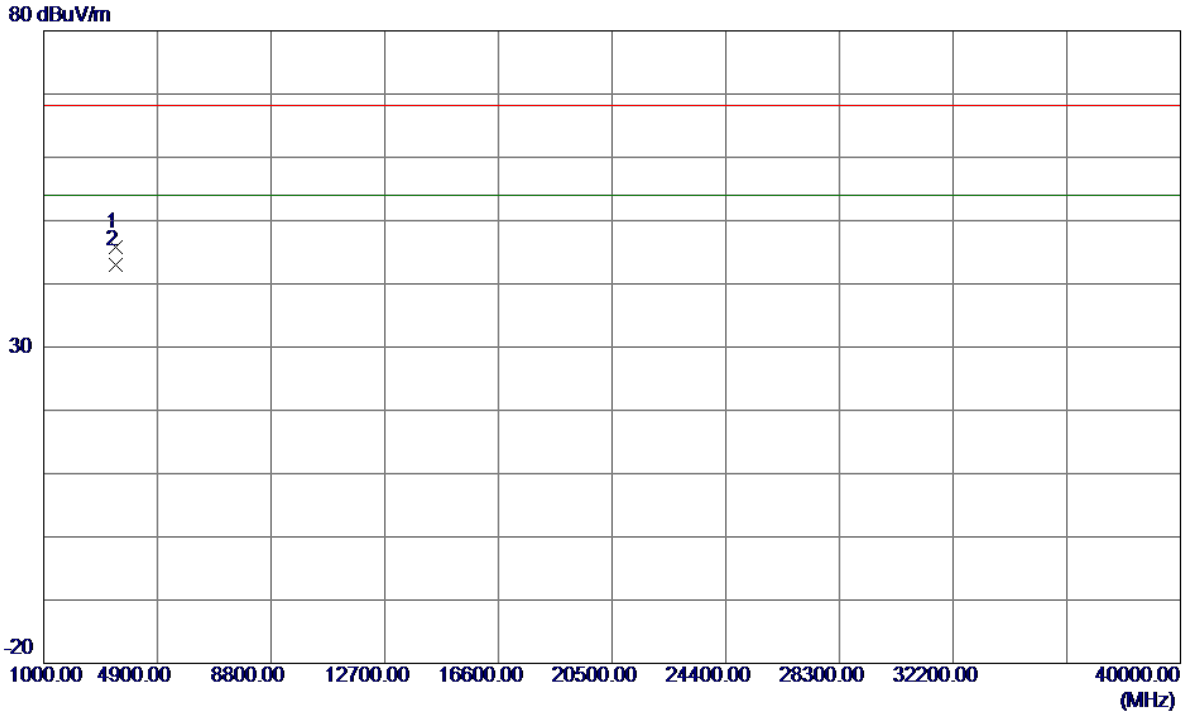


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	14.67	40.62	55.29	68.30	-13.01	Peak	
2	5150.0000	6.73	40.62	47.35	54.00	-6.65	AVG	
3	5179.6000	63.83	40.72	104.55	68.30	36.25	Peak	No Limit
4 *	5205.6000	54.23	40.81	95.04	54.00	41.04	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

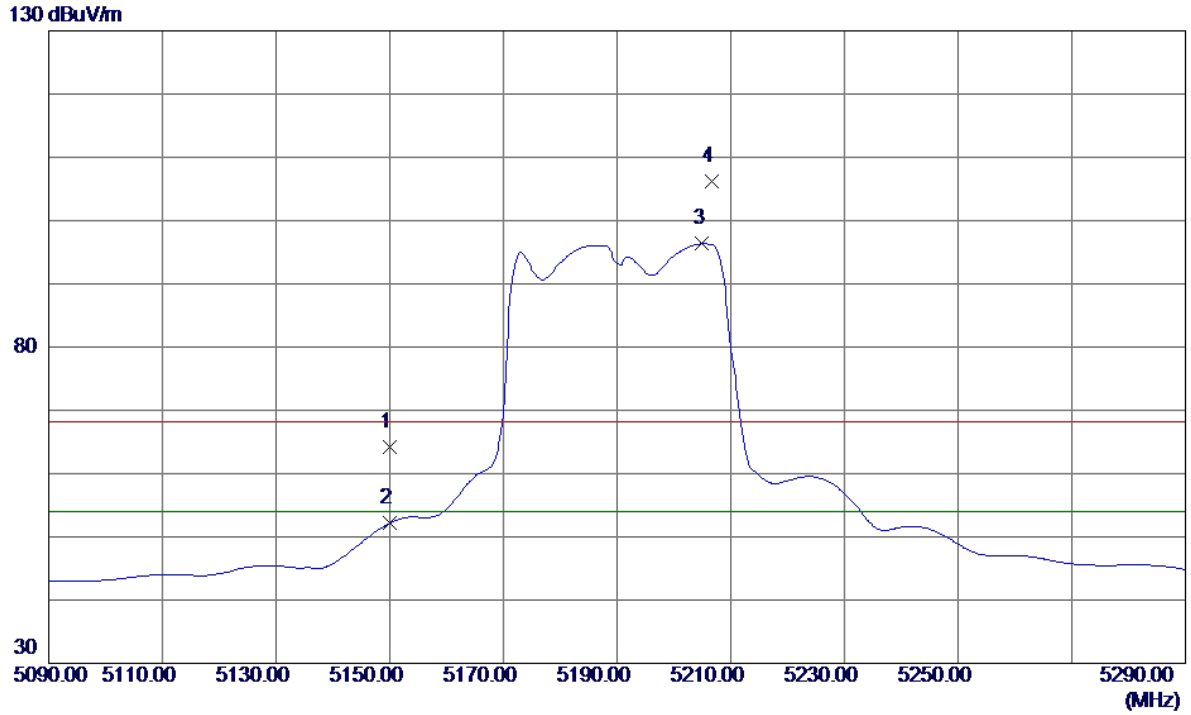


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3459.8800	45.25	0.61	45.86	68.30	-22.44	Peak	
2 *	3459.9500	42.45	0.61	43.06	54.00	-10.94	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

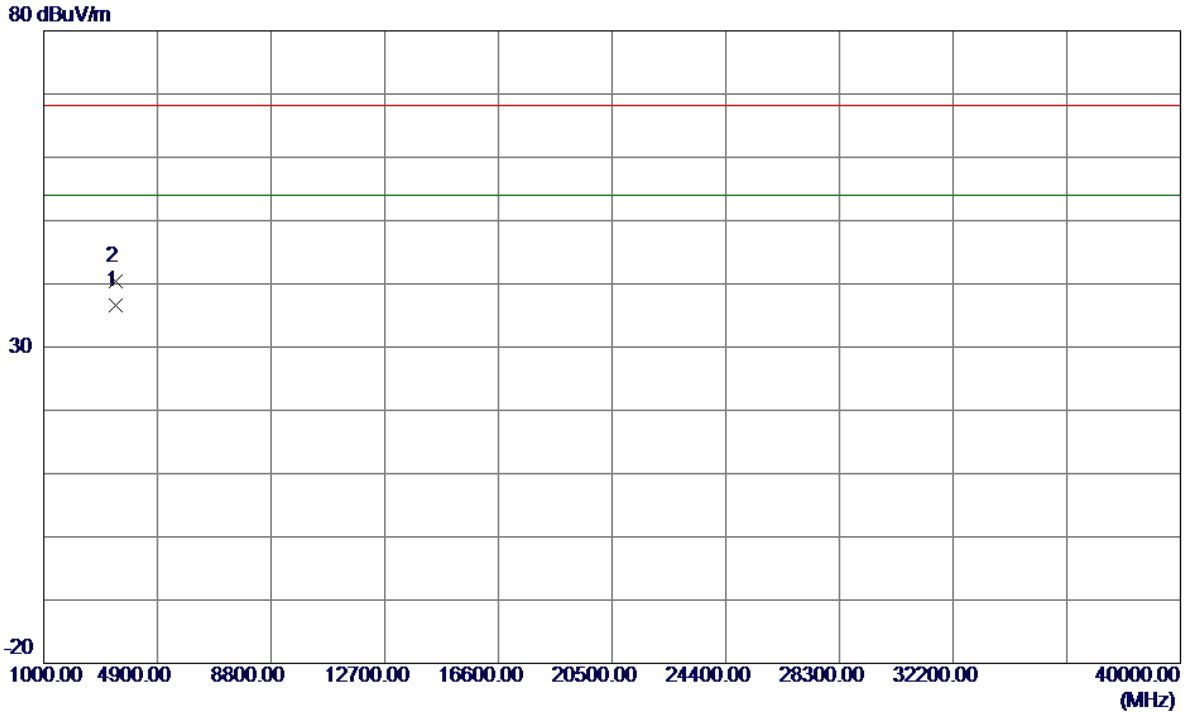


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.60	40.62	64.22	68.30	-4.08	Peak	
2	5150.0000	11.57	40.62	52.19	54.00	-1.81	AVG	
3 *	5205.0000	55.51	40.81	96.32	54.00	42.32	AVG	No Limit
4	5206.6000	65.32	40.81	106.13	68.30	37.83	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

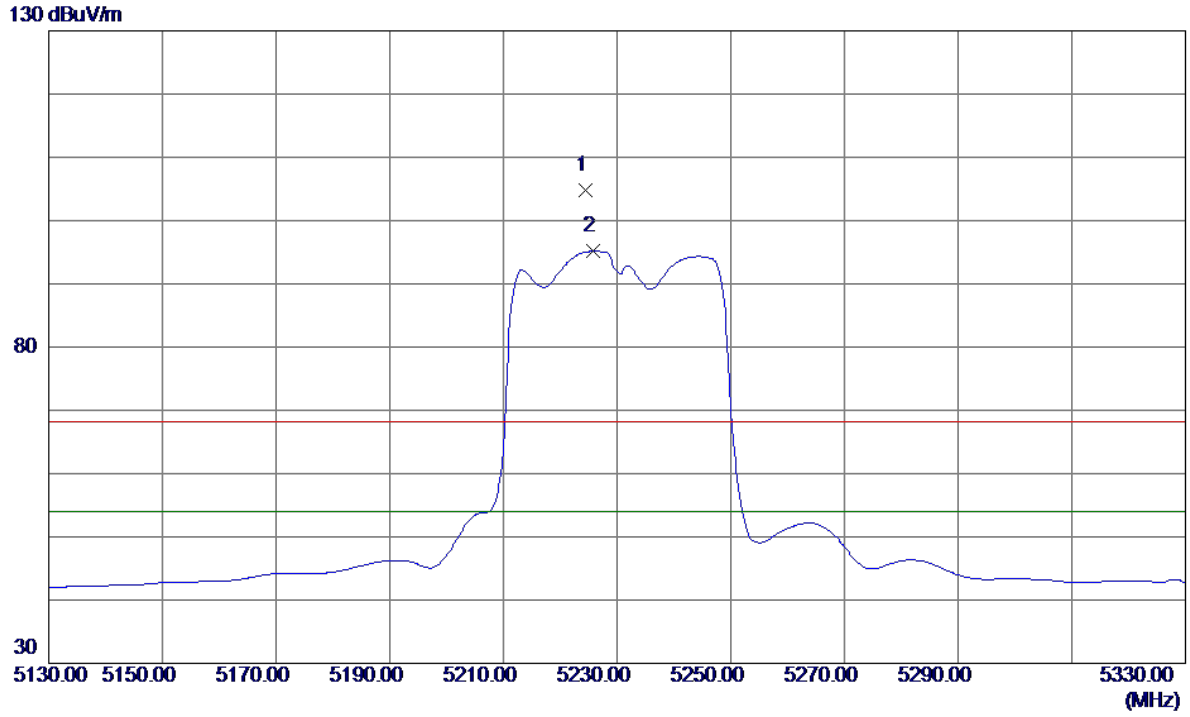


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3459.9700	36.04	0.61	36.65	54.00	-17.35	AVG	
2	3459.9750	39.76	0.61	40.37	68.30	-27.93	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

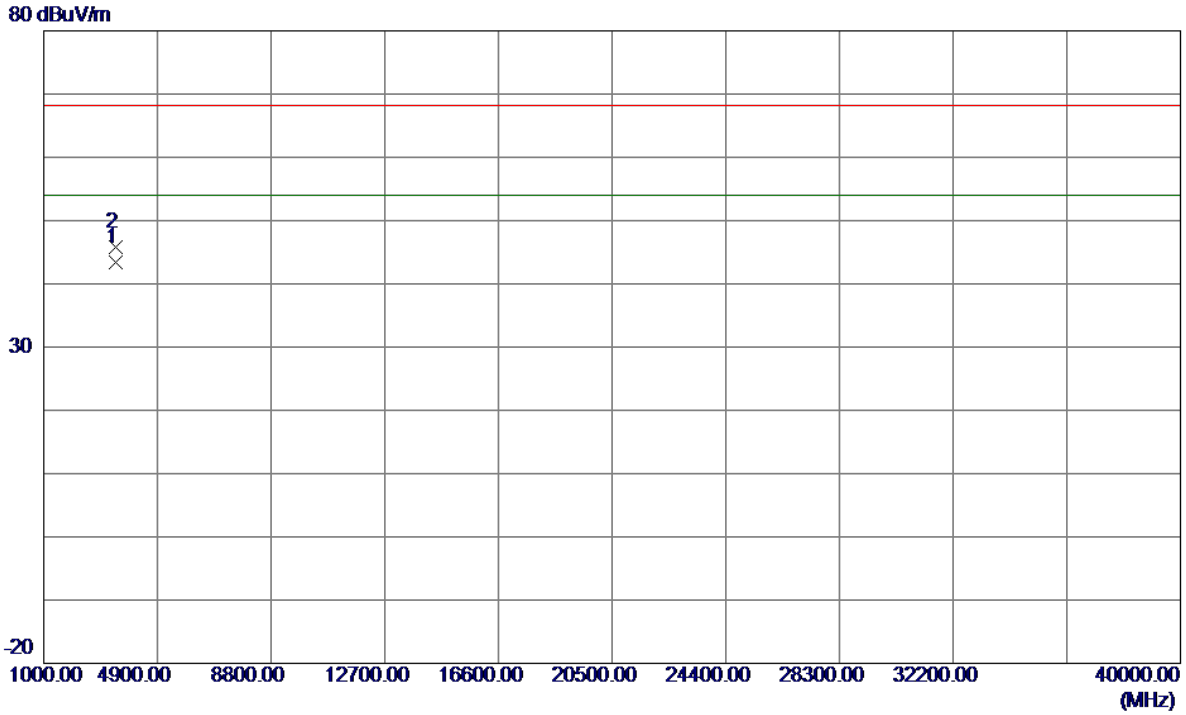


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5224.4000	63.96	40.87	104.83	68.30	36.53	Peak	No Limit
2 *	5225.8000	54.25	40.88	95.13	54.00	41.13	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

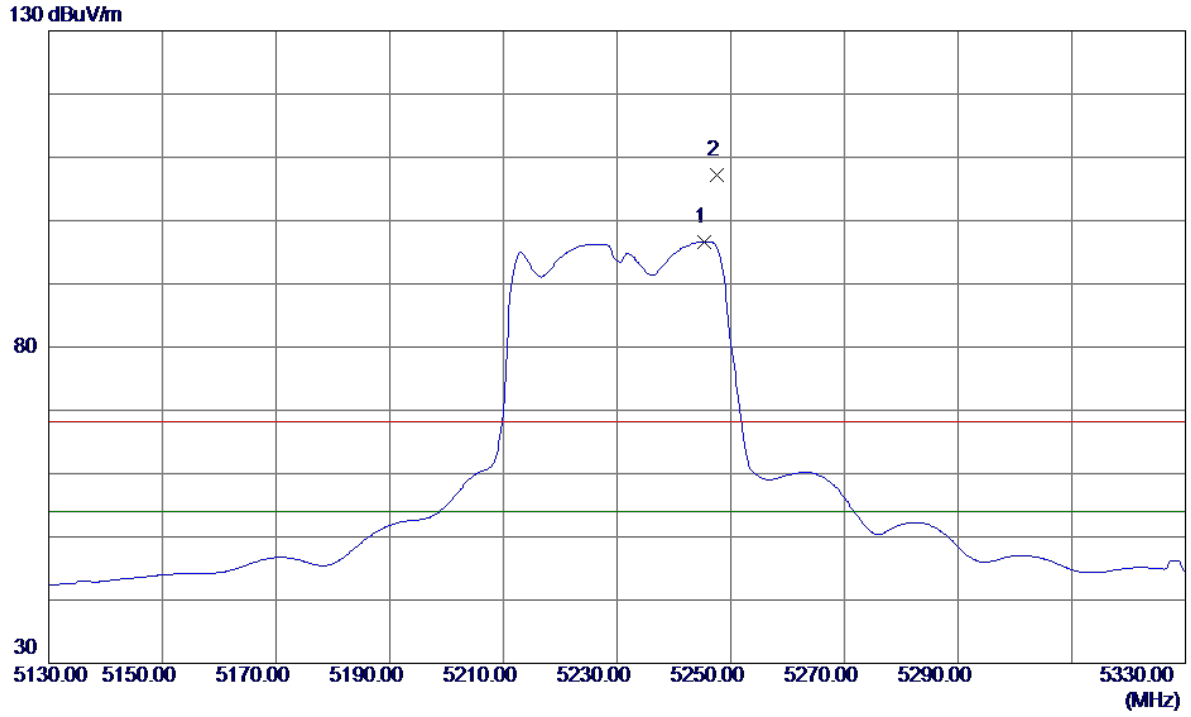


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3486.6250	42.80	0.59	43.39	54.00	-10.61	AVG	
2	3486.6700	45.16	0.59	45.75	68.30	-22.55	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

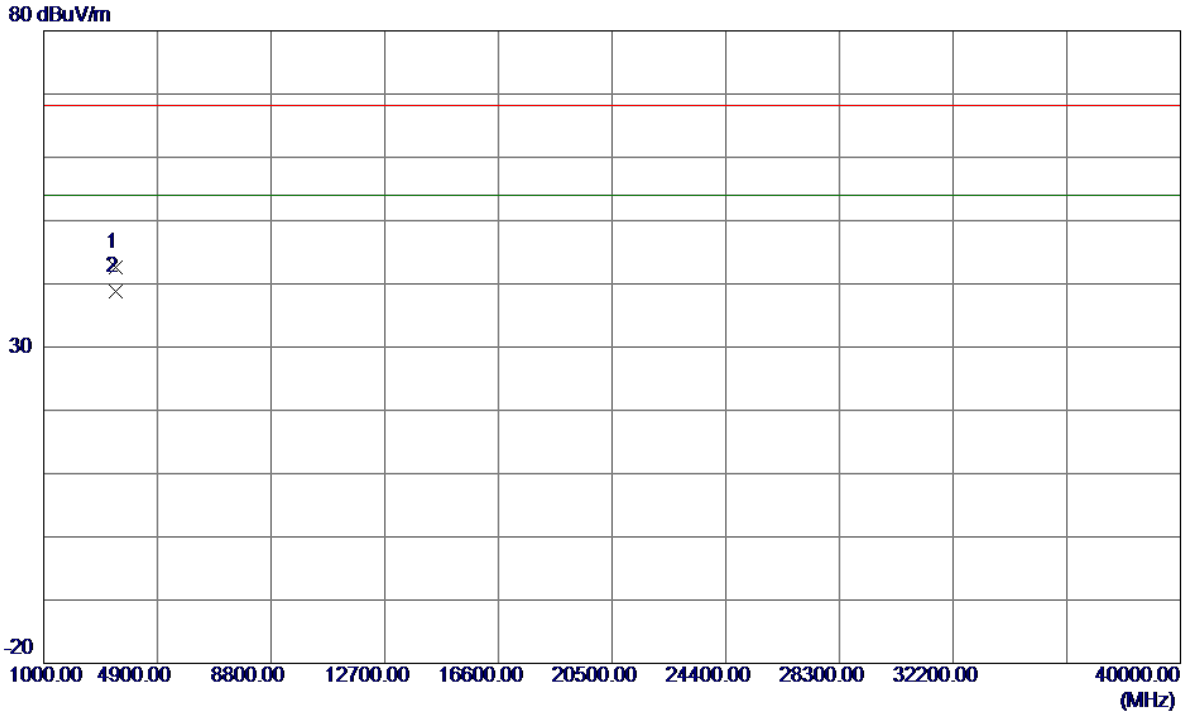


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5245.4000	55.71	40.94	96.65	54.00	42.65	AVG	No Limit
2	5247.6000	66.21	40.95	107.16	68.30	38.86	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

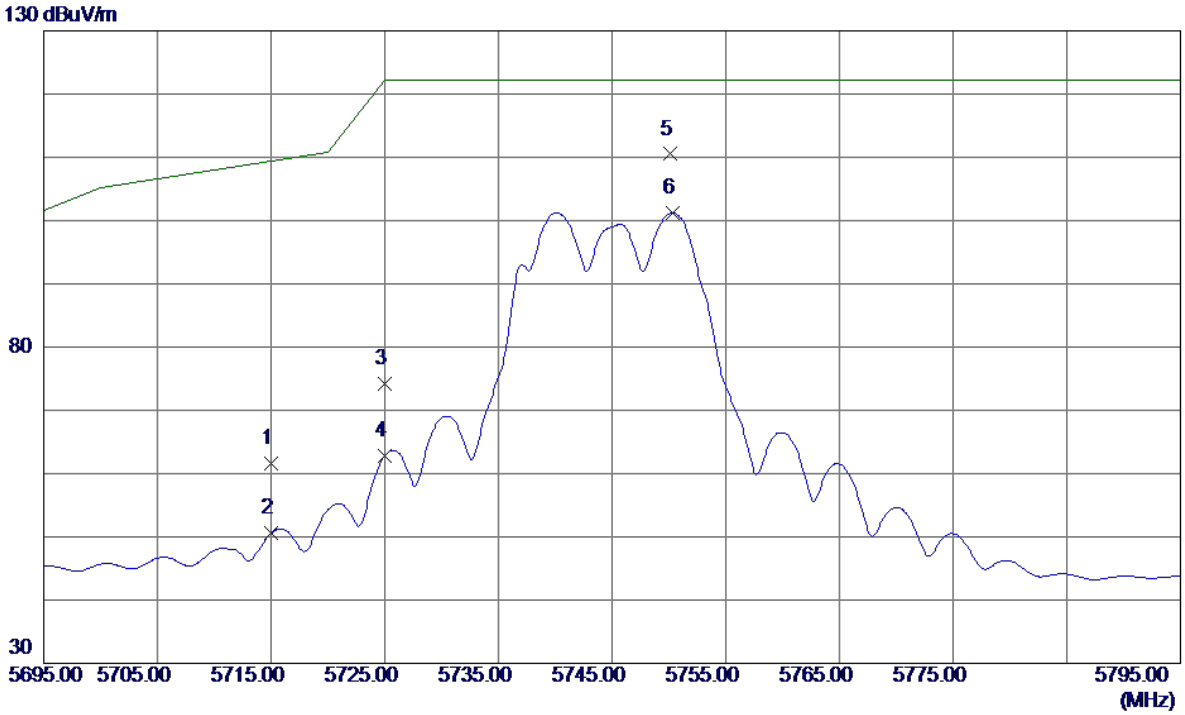


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3486.6150	41.94	0.59	42.53	68.30	-25.77	Peak	
2 *	3486.6550	38.18	0.59	38.77	54.00	-15.23	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

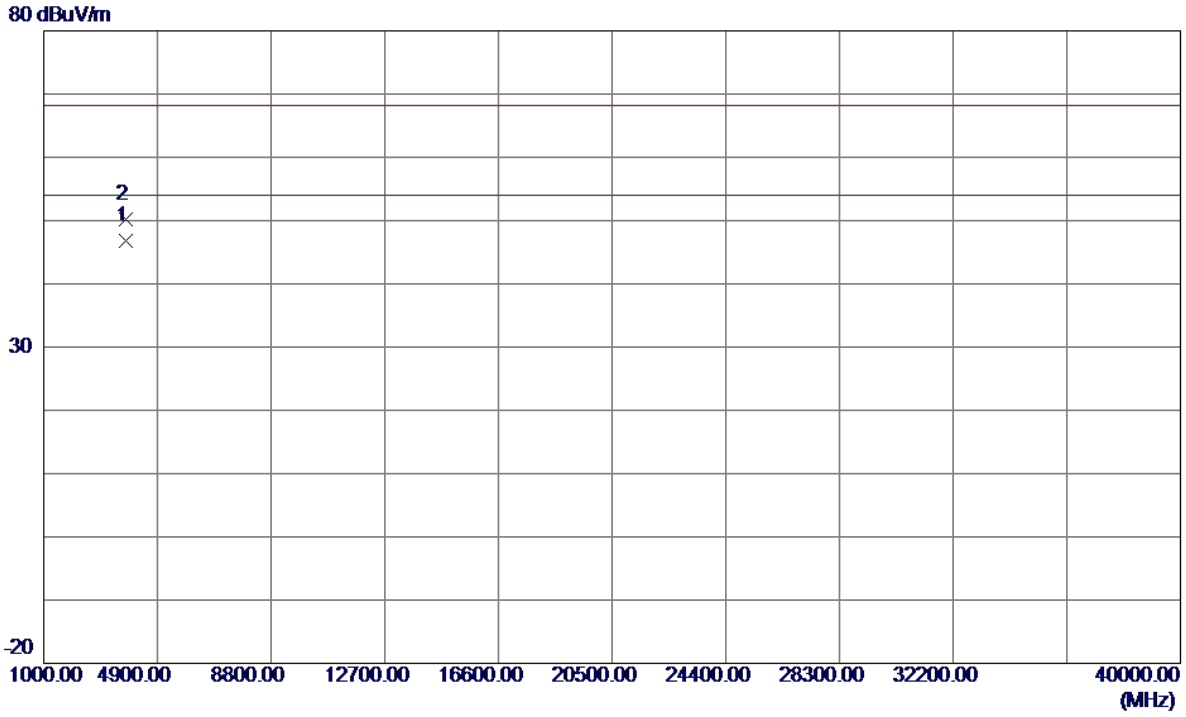


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	18.98	42.55	61.53	109.40	-47.87	Peak	
2	5715.0000	8.01	42.55	50.56	109.40	-58.84	AVG	
3	5725.0000	31.61	42.58	74.19	122.20	-48.01	Peak	
4	5725.0000	20.29	42.58	62.87	122.20	-59.33	AVG	
5 *	5750.1000	67.83	42.67	110.50	122.20	-11.70	Peak	
6	5750.3000	58.54	42.67	101.21	122.20	-20.99	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

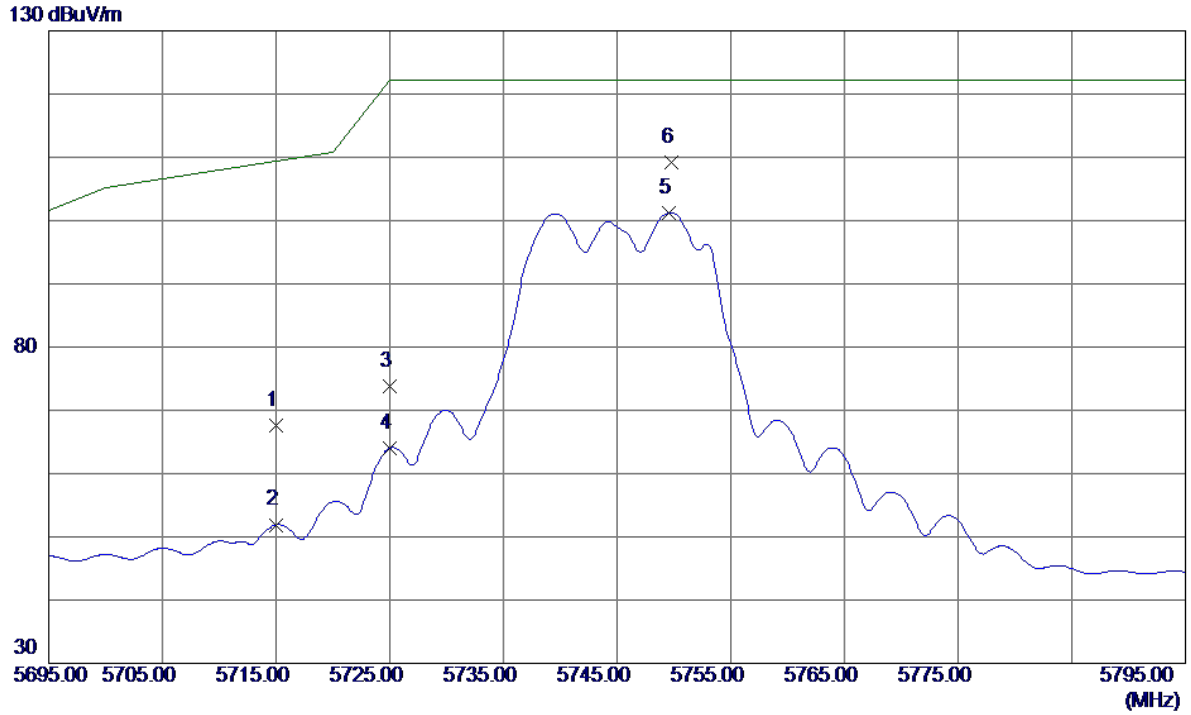


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3800.3750	45.37	1.49	46.86	54.00	-7.14	AVG	
2	3800.7250	48.64	1.49	50.13	68.30	-18.17	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

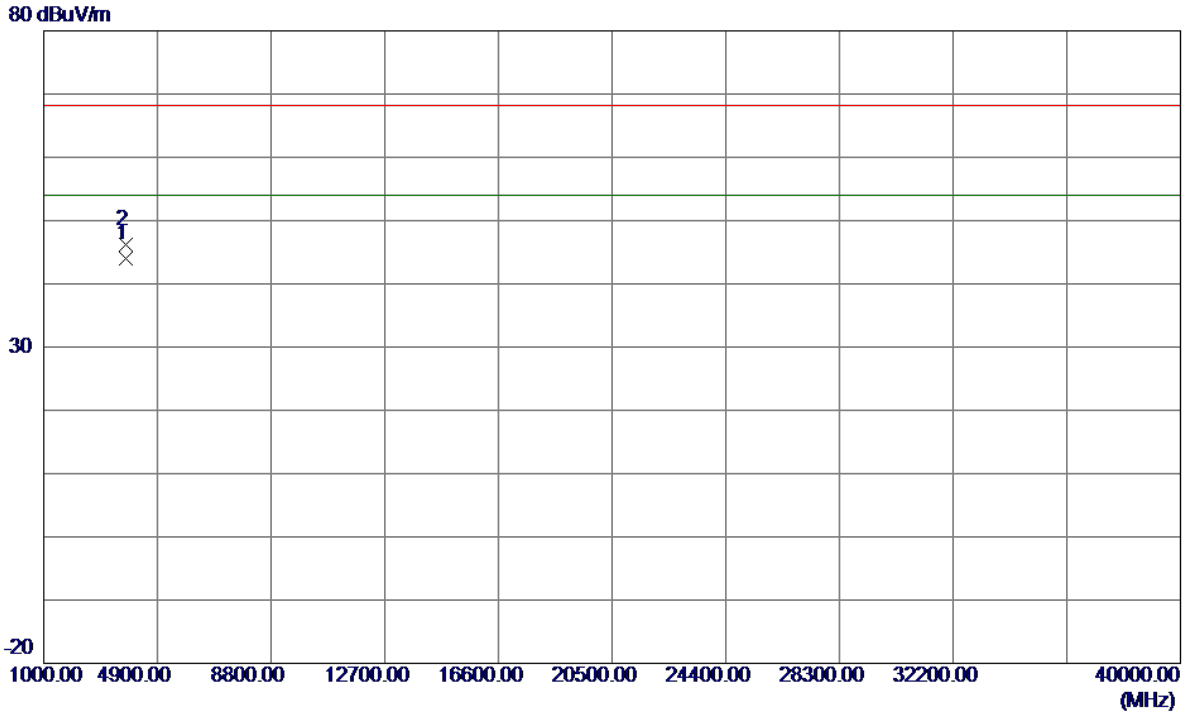


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	25.03	42.55	67.58	109.40	-41.82	Peak	
2	5715.0000	9.35	42.55	51.90	109.40	-57.50	AVG	
3	5725.0000	31.23	42.58	73.81	122.20	-48.39	Peak	
4	5725.0000	21.46	42.58	64.04	122.20	-58.16	AVG	
5	5749.6000	58.57	42.67	101.24	122.20	-20.96	AVG	
6 *	5749.8000	66.61	42.67	109.28	122.20	-12.92	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

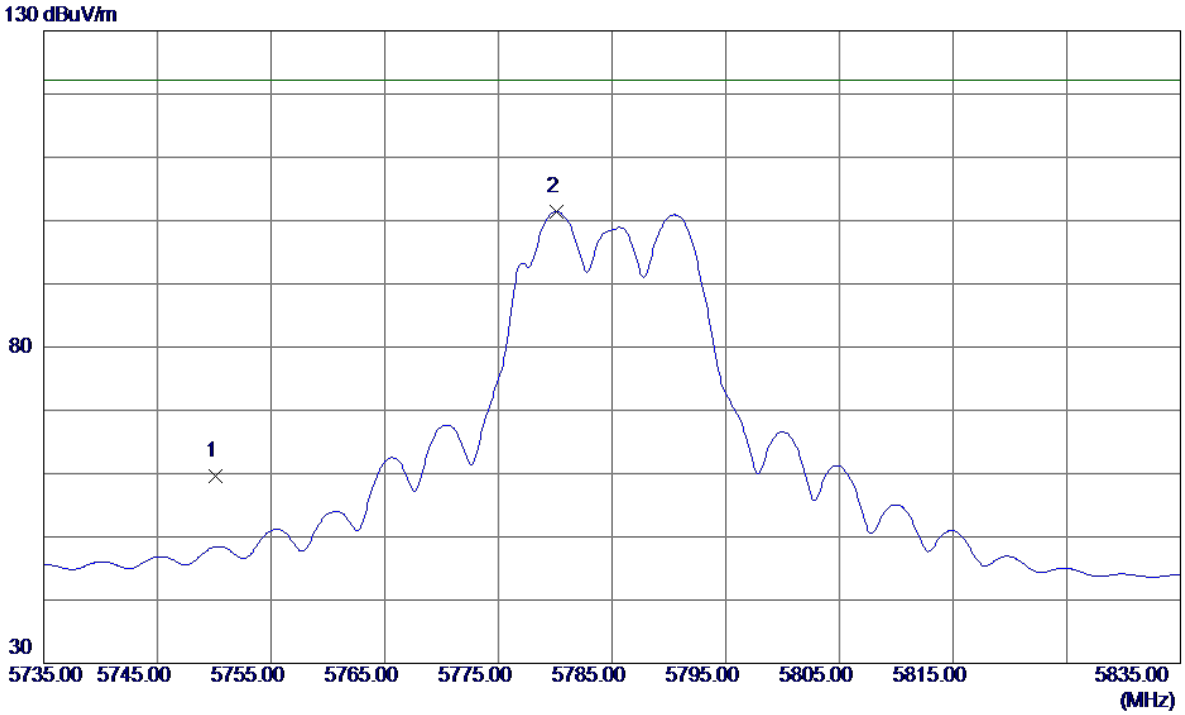


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3829.9800	42.38	1.58	43.96	54.00	-10.04	AVG	
2	3830.0450	44.66	1.58	46.24	68.30	-22.06	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

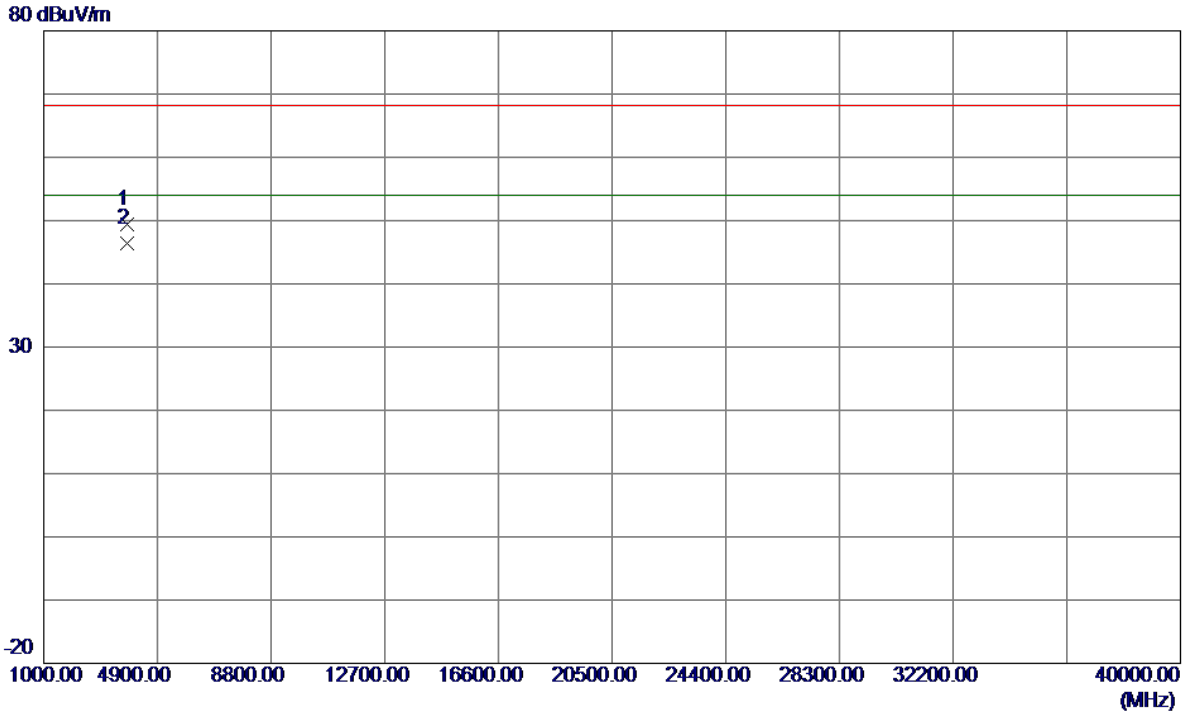


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5750.1000	17.02	42.67	59.69	122.20	-62.51	Peak	
2 *	5780.1000	58.58	42.78	101.36	122.20	-20.84	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

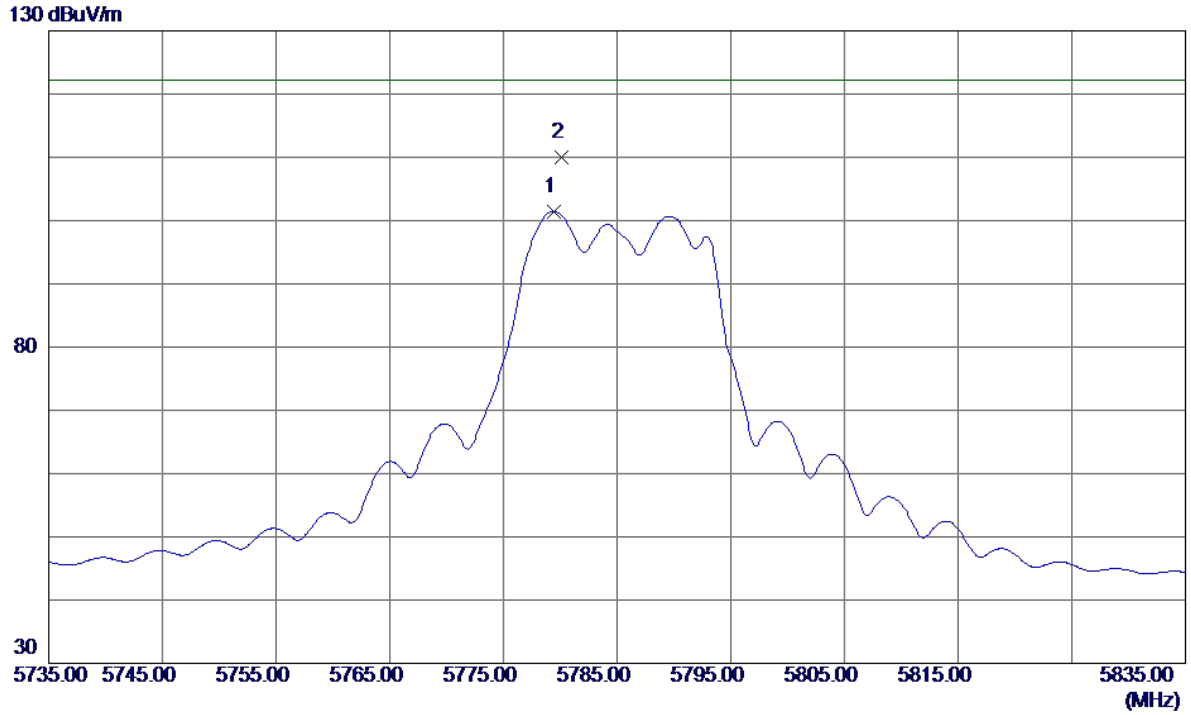


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3856.6750	47.68	1.66	49.34	68.30	-18.96	Peak	
2 *	3856.7250	44.80	1.66	46.46	54.00	-7.54	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

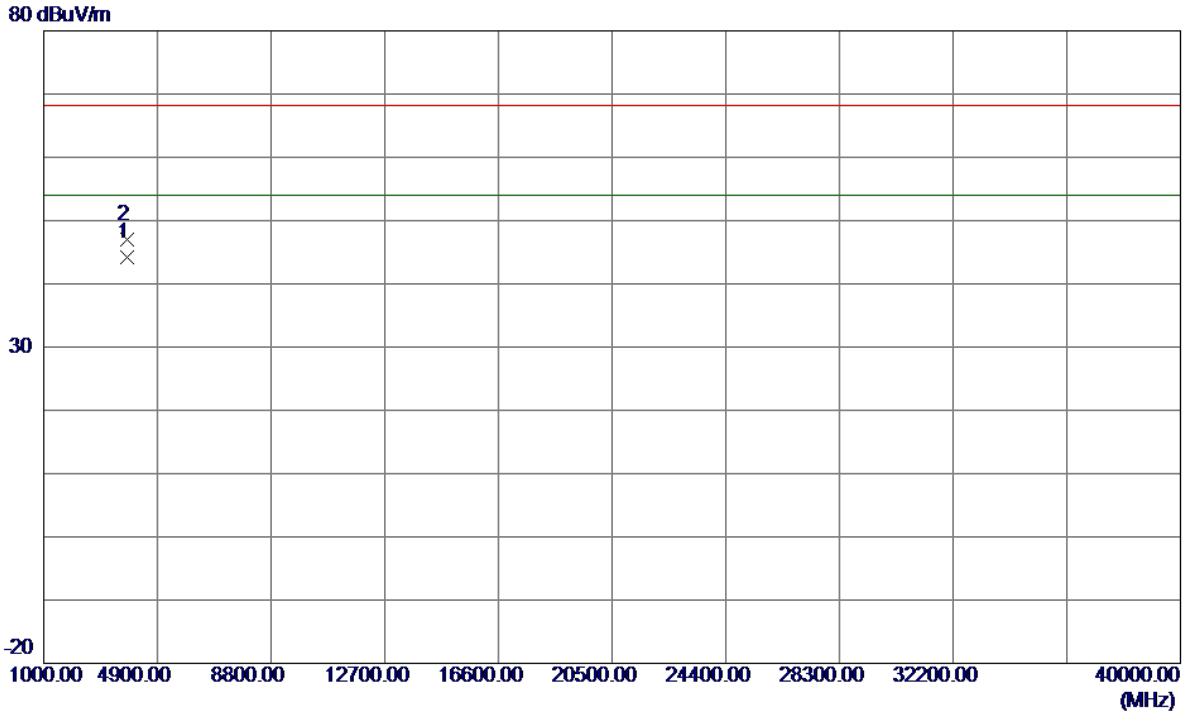


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5779.4000	58.66	42.77	101.43	122.20	-20.77	AVG	
2 *	5780.1000	67.18	42.78	109.96	122.20	-12.24	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

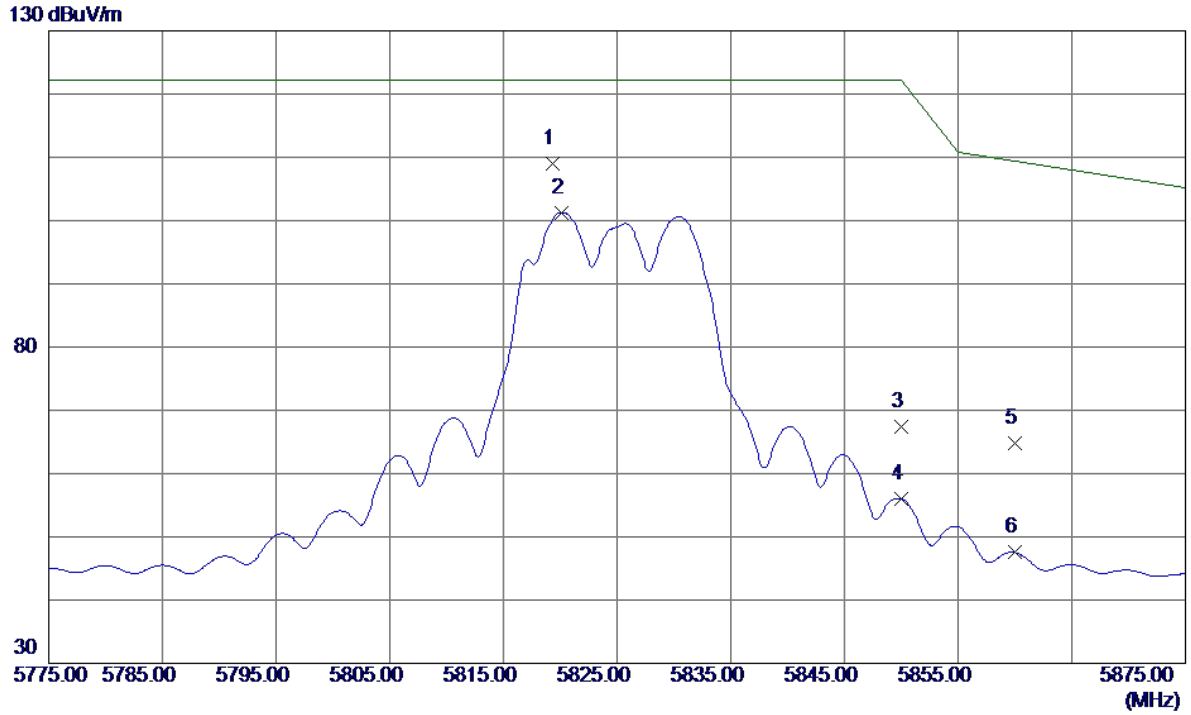


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3856.6450	42.58	1.66	44.24	54.00	-9.76	AVG	
2	3856.7150	45.36	1.66	47.02	68.30	-21.28	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

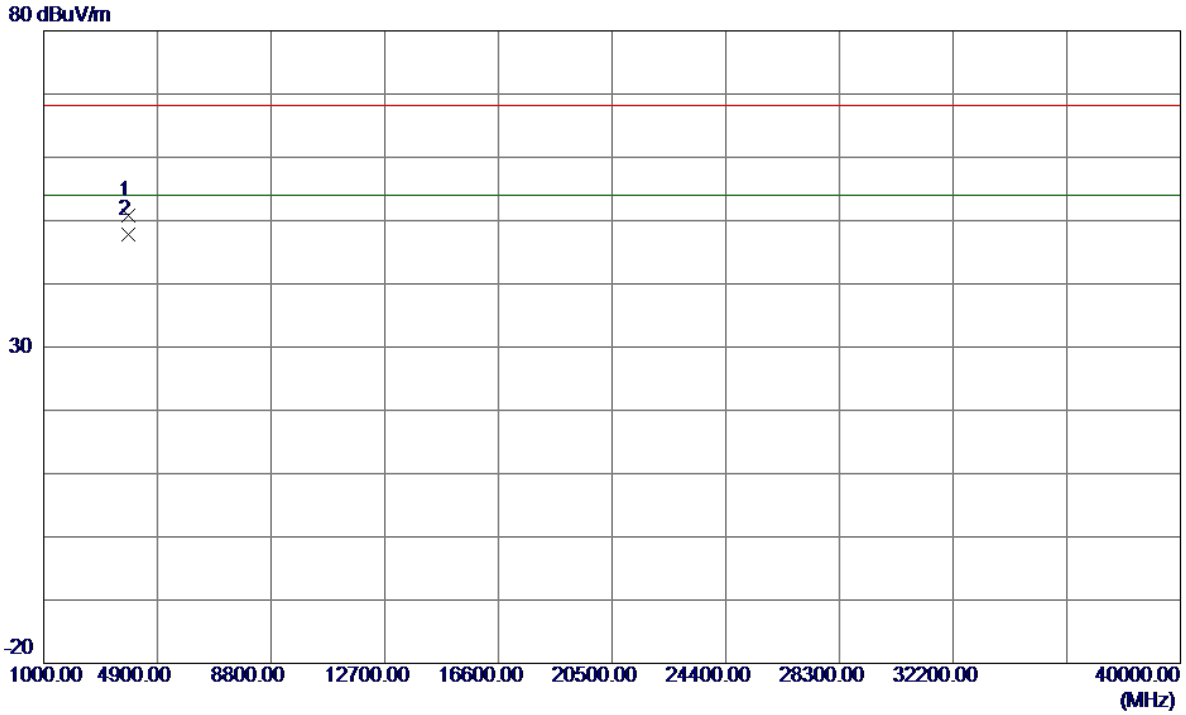


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5819.3000	66.03	42.92	108.95	122.20	-13.25	Peak	
2	5820.1000	58.34	42.92	101.26	122.20	-20.94	AVG	
3	5850.0000	24.37	43.03	67.40	122.20	-54.80	Peak	
4	5850.0000	12.97	43.03	56.00	122.20	-66.20	AVG	
5	5860.0000	21.68	43.06	64.74	109.40	-44.66	Peak	
6	5860.0000	4.46	43.06	47.52	109.40	-61.88	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

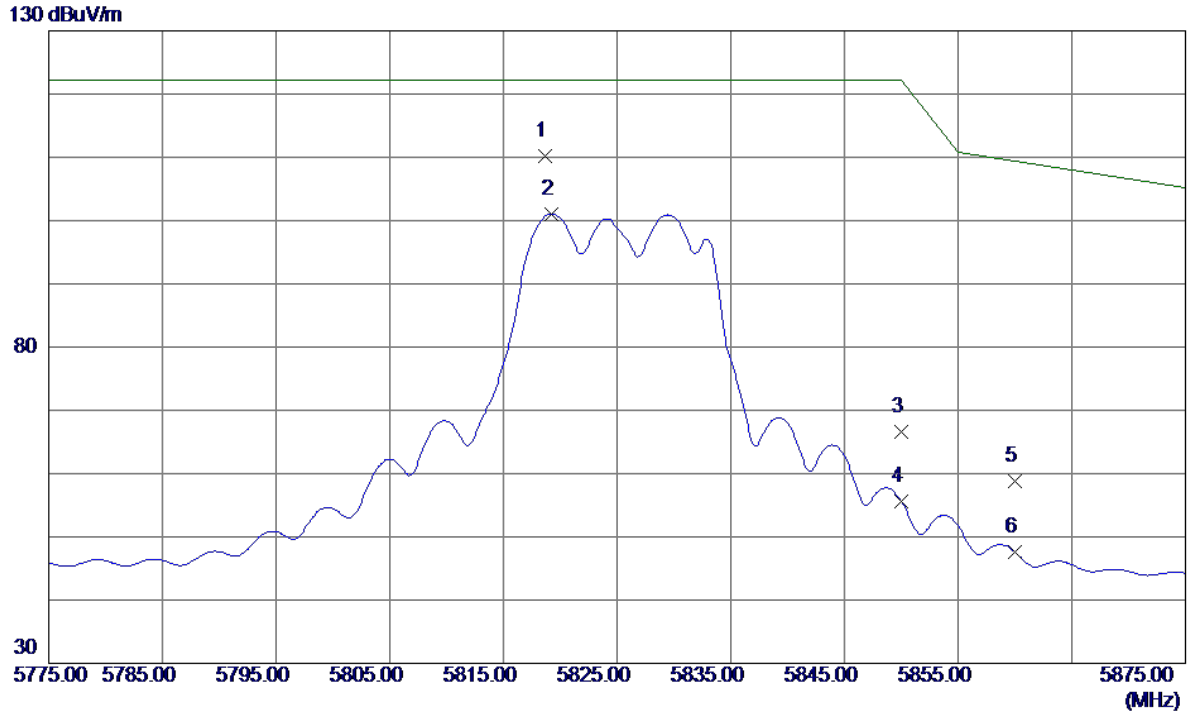


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.3500	49.02	1.75	50.77	68.30	-17.53	Peak	
2 *	3883.6250	46.01	1.75	47.76	54.00	-6.24	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

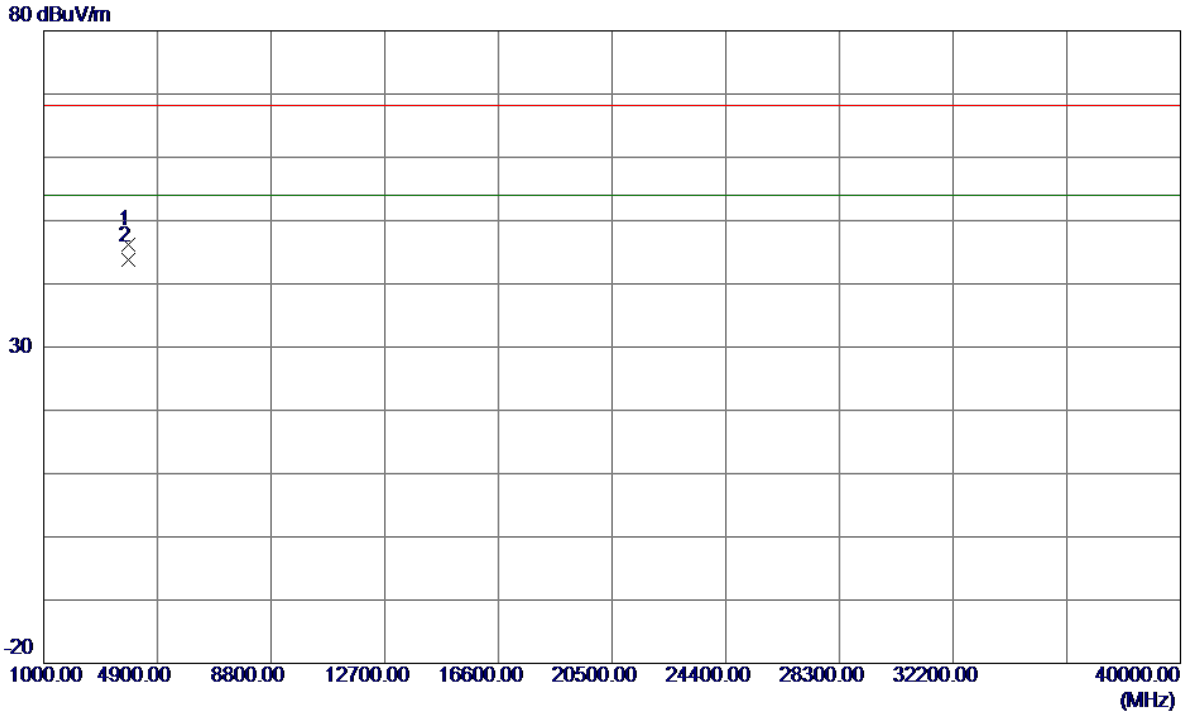


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5818.7000	67.35	42.91	110.26	122.20	-11.94	Peak	
2	5819.2000	58.14	42.92	101.06	122.20	-21.14	AVG	
3	5850.0000	23.56	43.03	66.59	122.20	-55.61	Peak	
4	5850.0000	12.64	43.03	55.67	122.20	-66.53	AVG	
5	5860.0000	15.80	43.06	58.86	109.40	-50.54	Peak	
6	5860.0000	4.52	43.06	47.58	109.40	-61.82	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

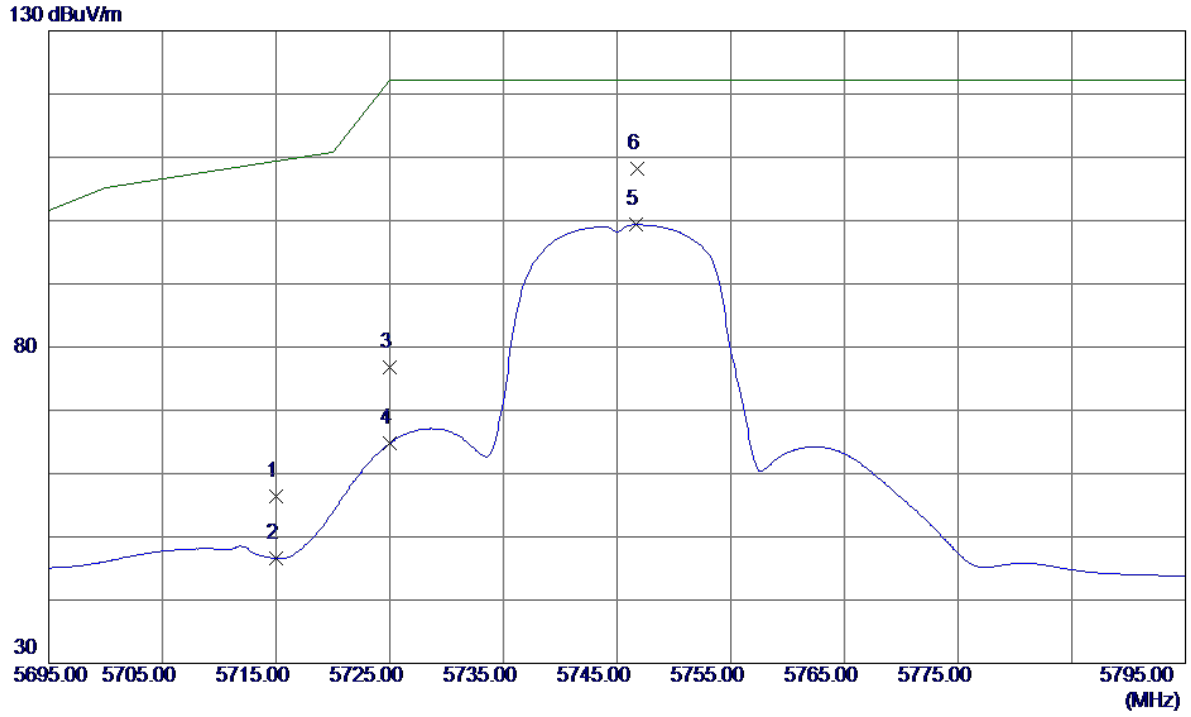


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.2450	44.50	1.74	46.24	68.30	-22.06	Peak	
2 *	3883.3150	41.95	1.75	43.70	54.00	-10.30	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

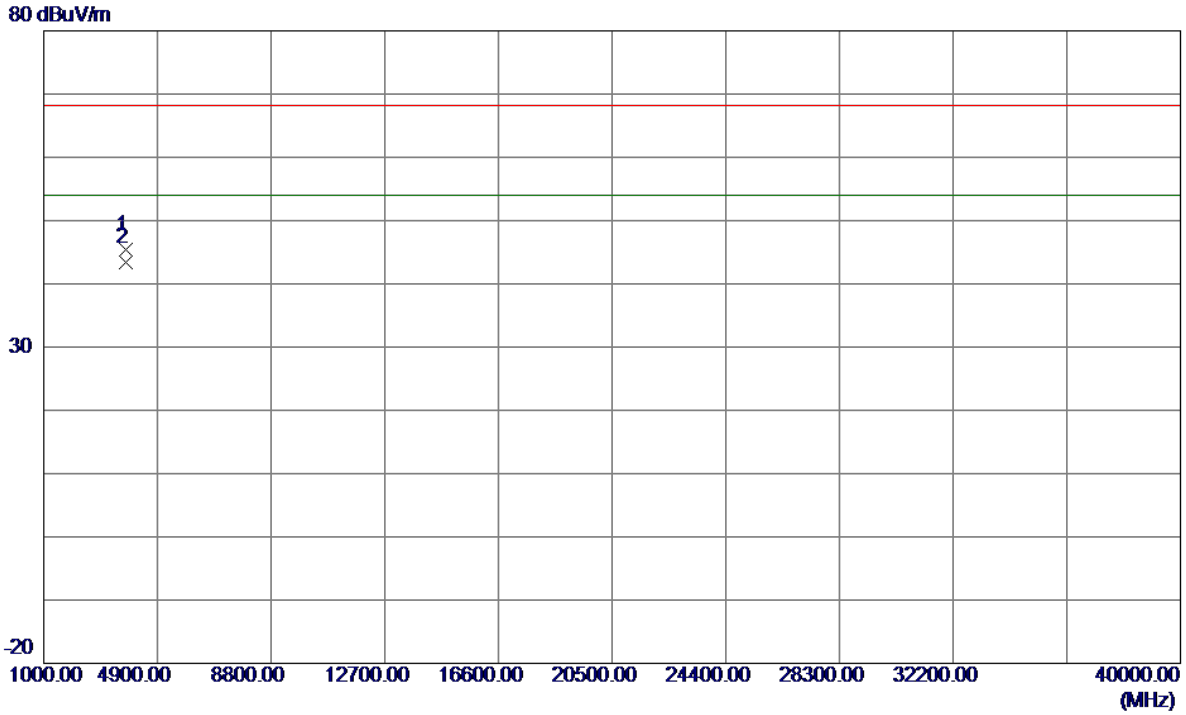


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	13.93	42.55	56.48	109.40	-52.92	Peak	
2	5715.0000	4.01	42.55	46.56	109.40	-62.84	AVG	
3	5725.0000	34.29	42.58	76.87	122.20	-45.33	Peak	
4	5725.0000	22.20	42.58	64.78	122.20	-57.42	AVG	
5	5746.7000	56.66	42.66	99.32	122.20	-22.88	AVG	
6 *	5746.8000	65.53	42.66	108.19	122.20	-14.01	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

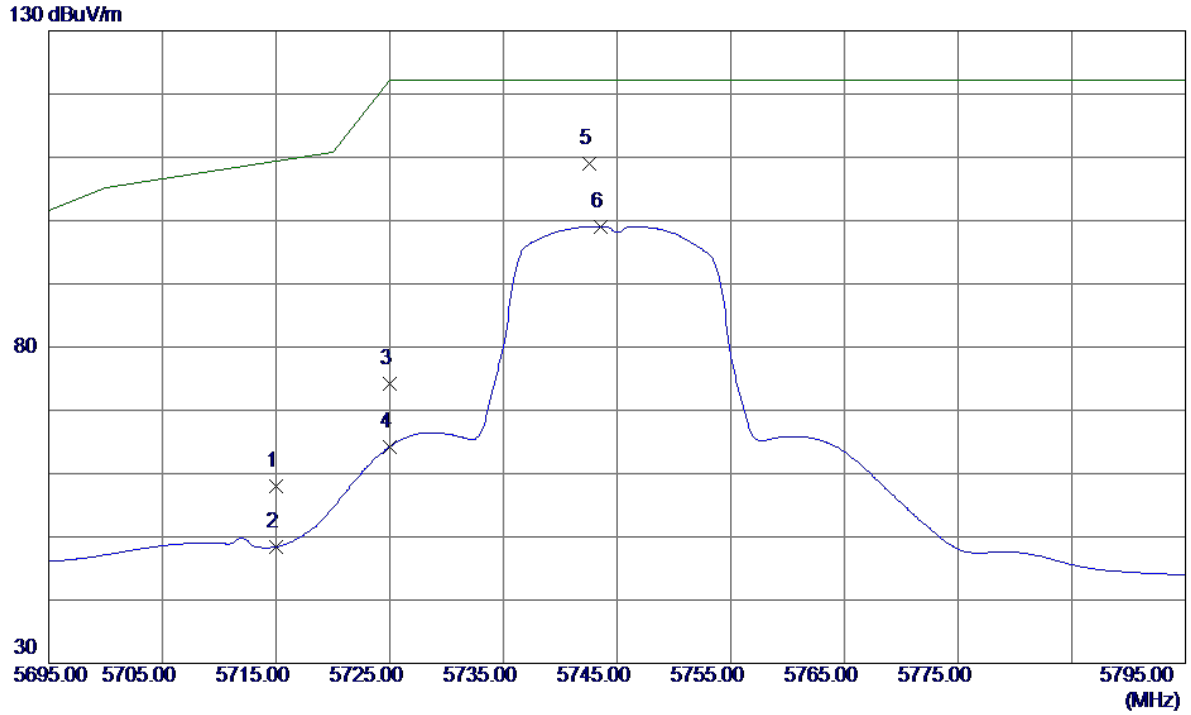


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3829.9600	43.81	1.58	45.39	68.30	-22.91	Peak	
2 *	3829.9650	41.76	1.58	43.34	54.00	-10.66	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

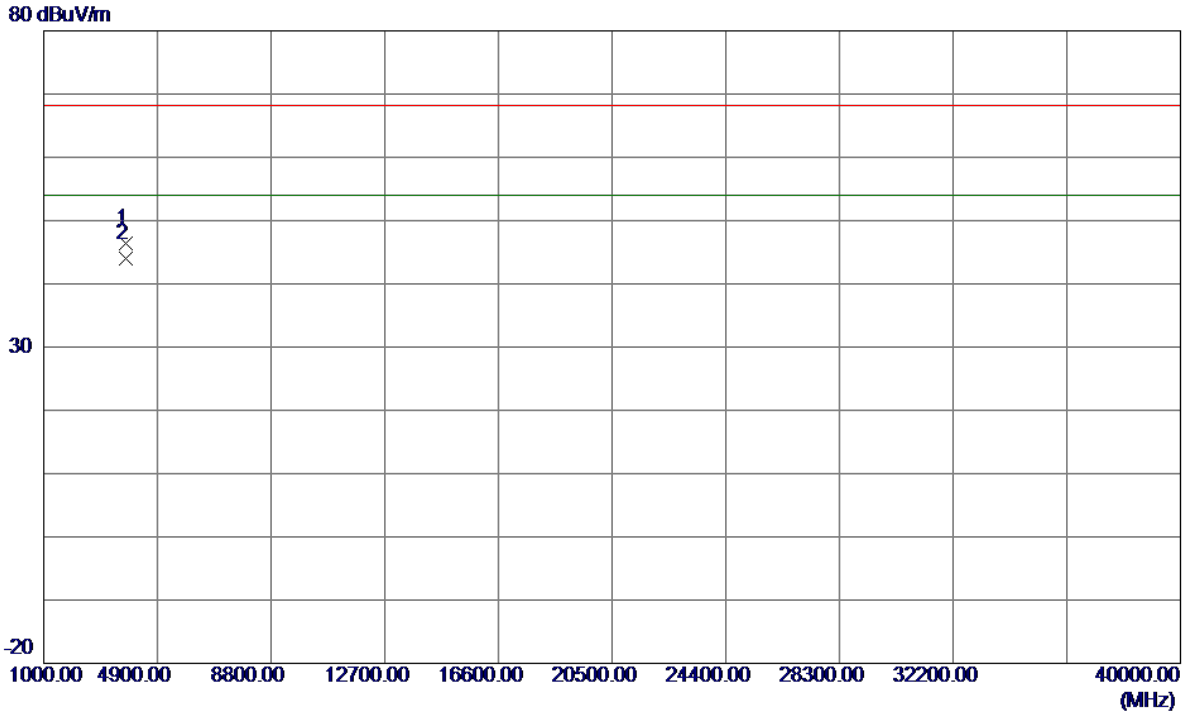


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	15.36	42.55	57.91	109.40	-51.49	Peak	
2	5715.0000	5.87	42.55	48.42	109.40	-60.98	AVG	
3	5725.0000	31.61	42.58	74.19	122.20	-48.01	Peak	
4	5725.0000	21.68	42.58	64.26	122.20	-57.94	AVG	
5 *	5742.6000	66.45	42.64	109.09	122.20	-13.11	Peak	
6	5743.6000	56.44	42.65	99.09	122.20	-23.11	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

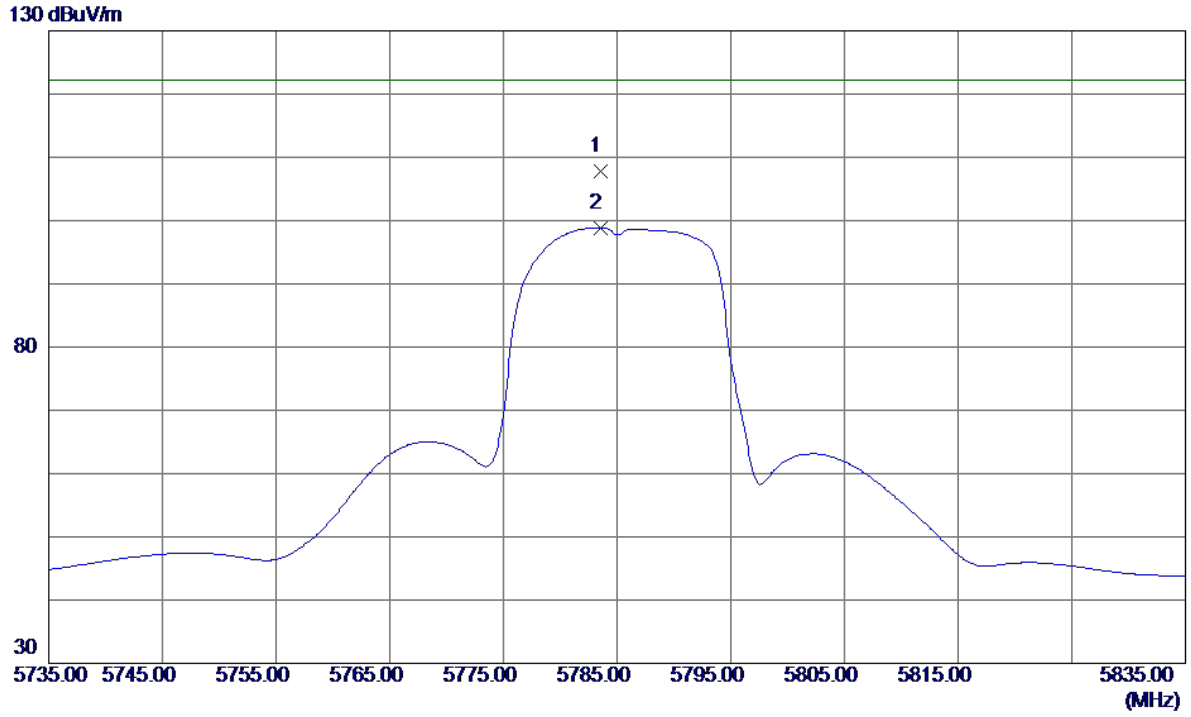


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3829.9700	44.86	1.58	46.44	68.30	-21.86	Peak	
2 *	3829.9700	42.50	1.58	44.08	54.00	-9.92	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

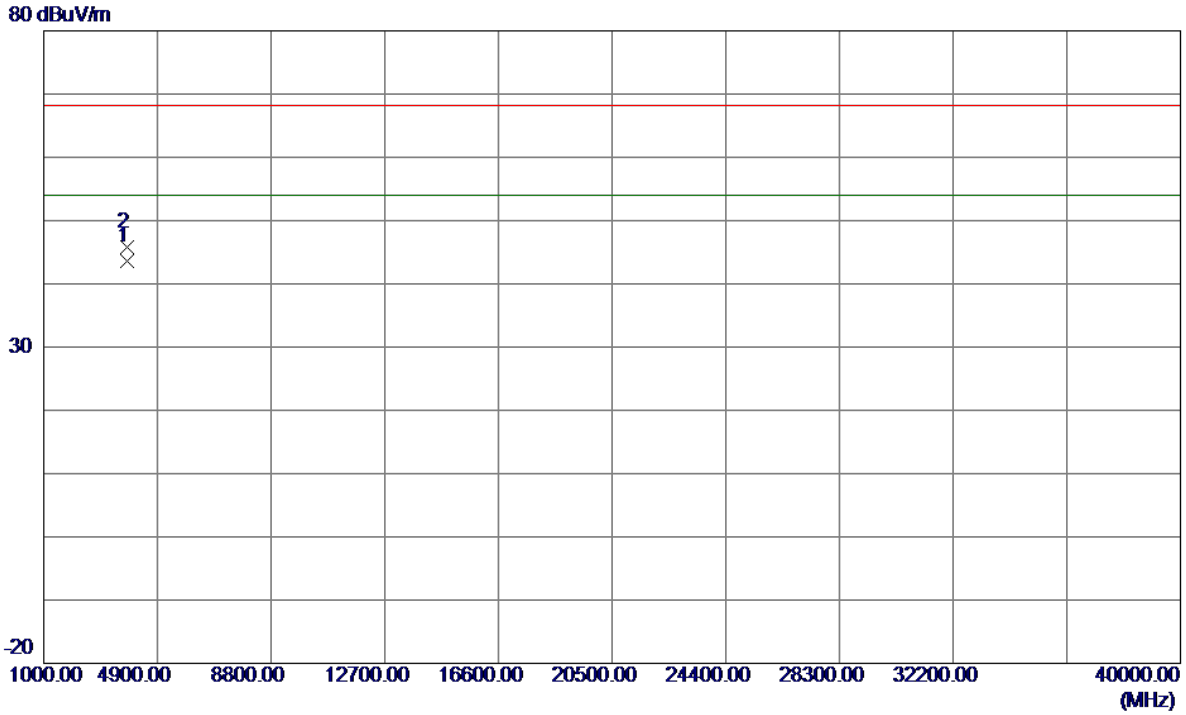


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5783.5000	65.03	42.79	107.82	122.20	-14.38	Peak	
2	5783.5000	56.06	42.79	98.85	122.20	-23.35	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

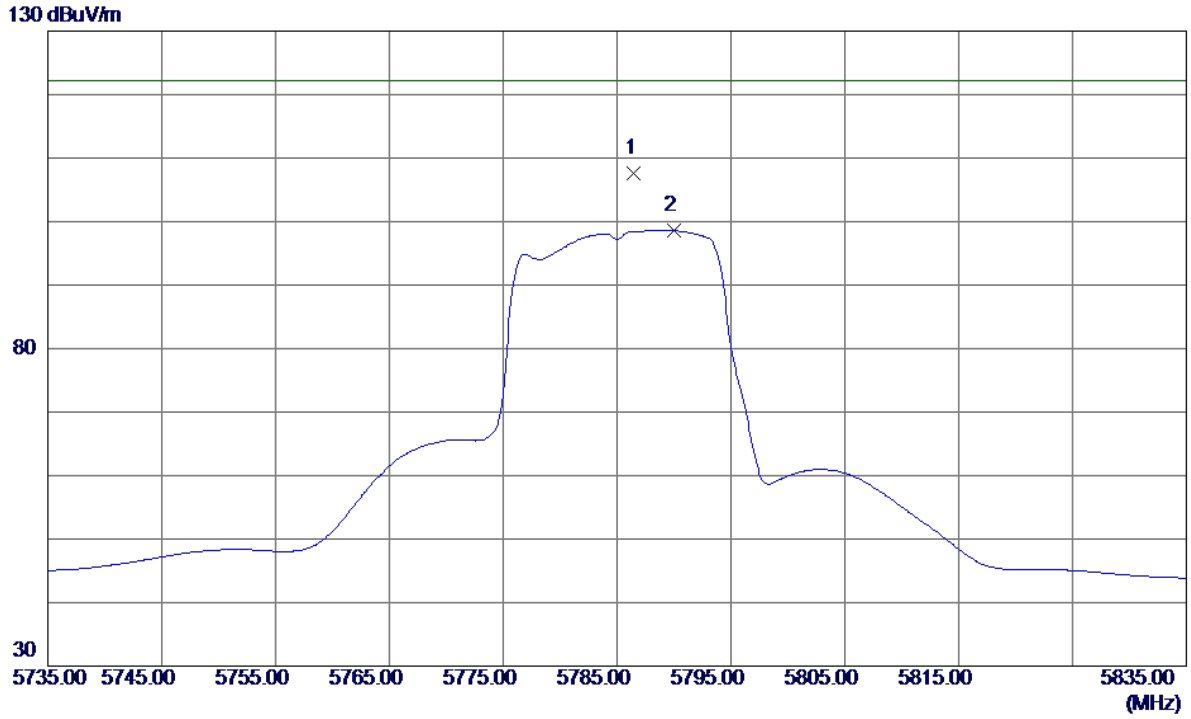


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3856.0000	41.93	1.66	43.59	54.00	-10.41	AVG	
2	3856.1750	44.08	1.66	45.74	68.30	-22.56	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

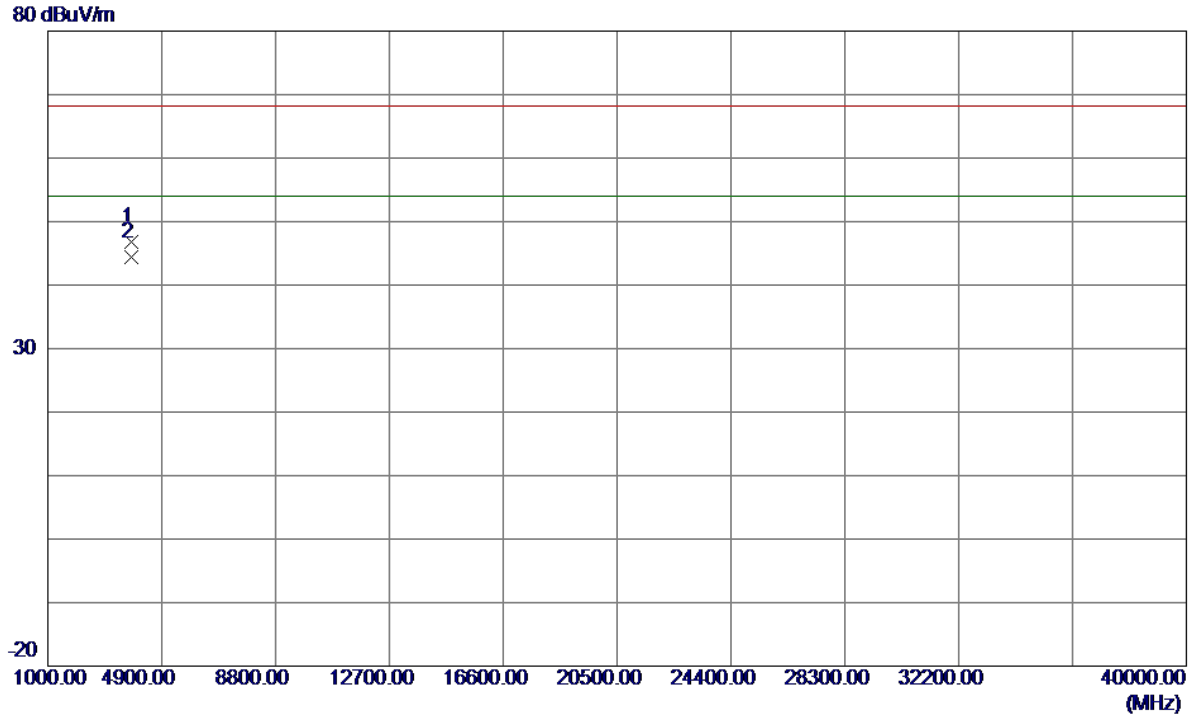


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5786.5000	64.82	42.80	107.62	122.20	-14.58	Peak	
2	5790.0000	55.74	42.81	98.55	122.20	-23.65	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

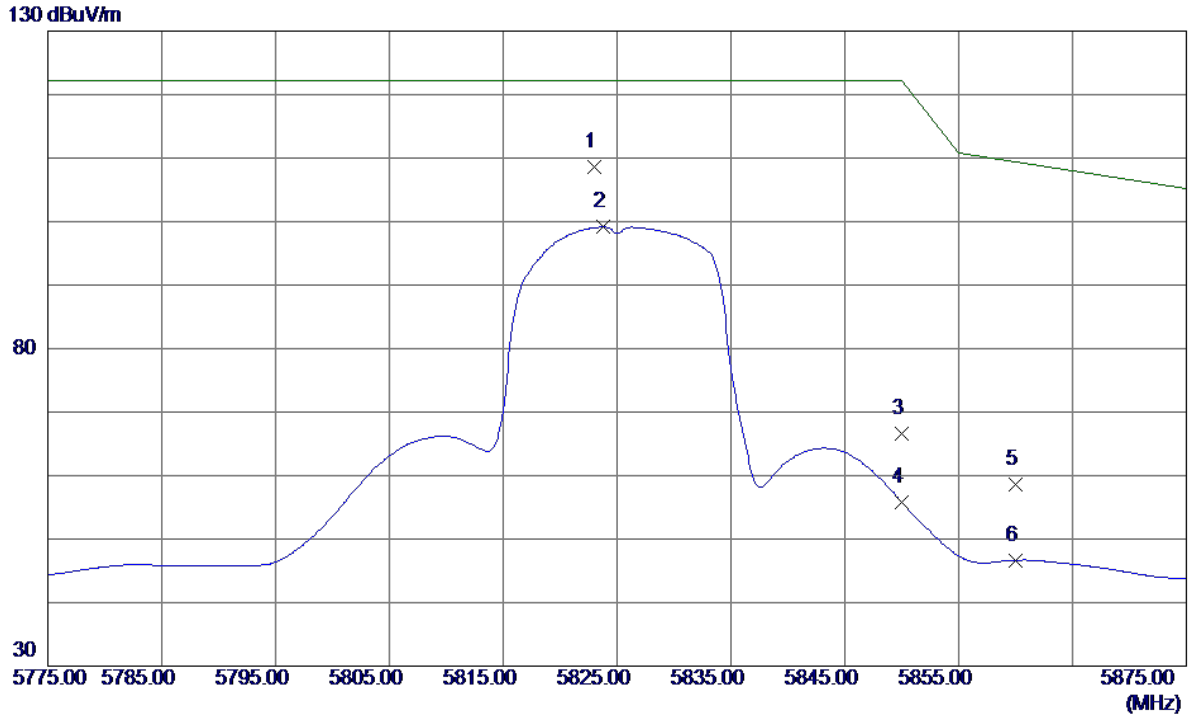


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3856.6150	45.09	1.66	46.75	68.30	-21.55	Peak	
2 *	3856.7050	42.65	1.66	44.31	54.00	-9.69	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

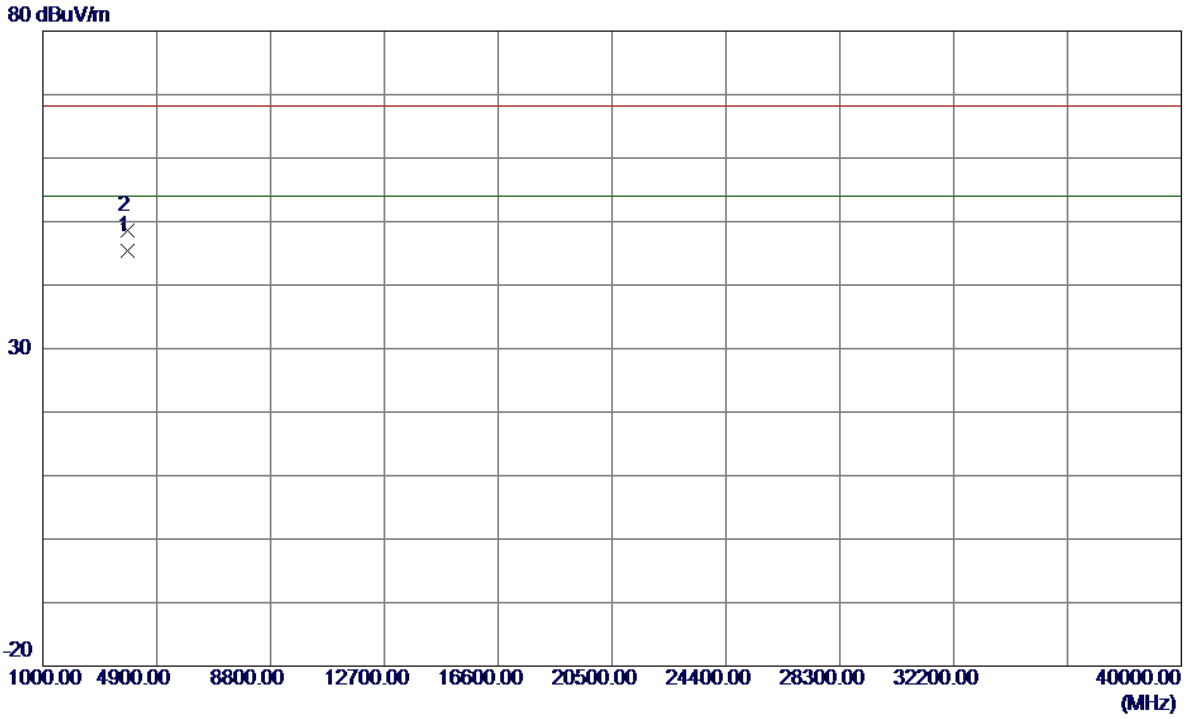


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5823.0000	65.73	42.93	108.66	122.20	-13.54	Peak	
2	5823.8000	56.21	42.93	99.14	122.20	-23.06	AVG	
3	5850.0000	23.56	43.03	66.59	122.20	-55.61	Peak	
4	5850.0000	12.83	43.03	55.86	122.20	-66.34	AVG	
5	5860.0000	15.63	43.06	58.69	109.40	-50.71	Peak	
6	5860.0000	3.60	43.06	46.66	109.40	-62.74	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

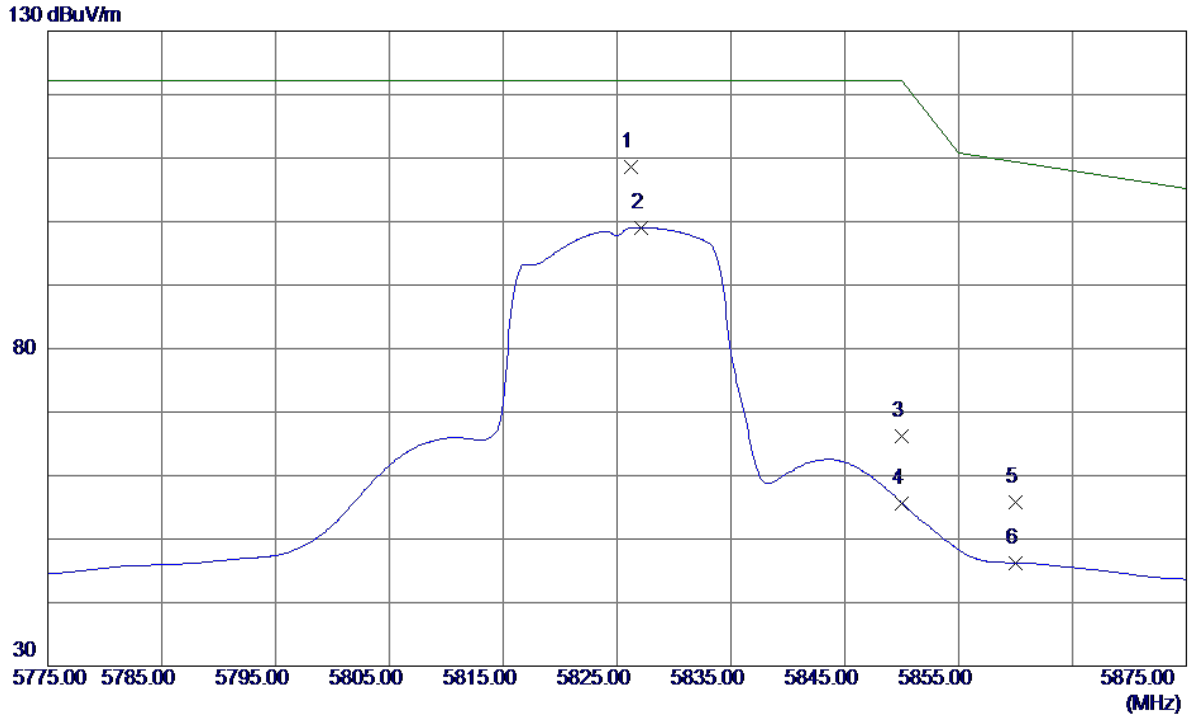


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3883.4000	43.74	1.75	45.49	54.00	-8.51	AVG	
2	3883.4750	46.80	1.75	48.55	68.30	-19.75	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

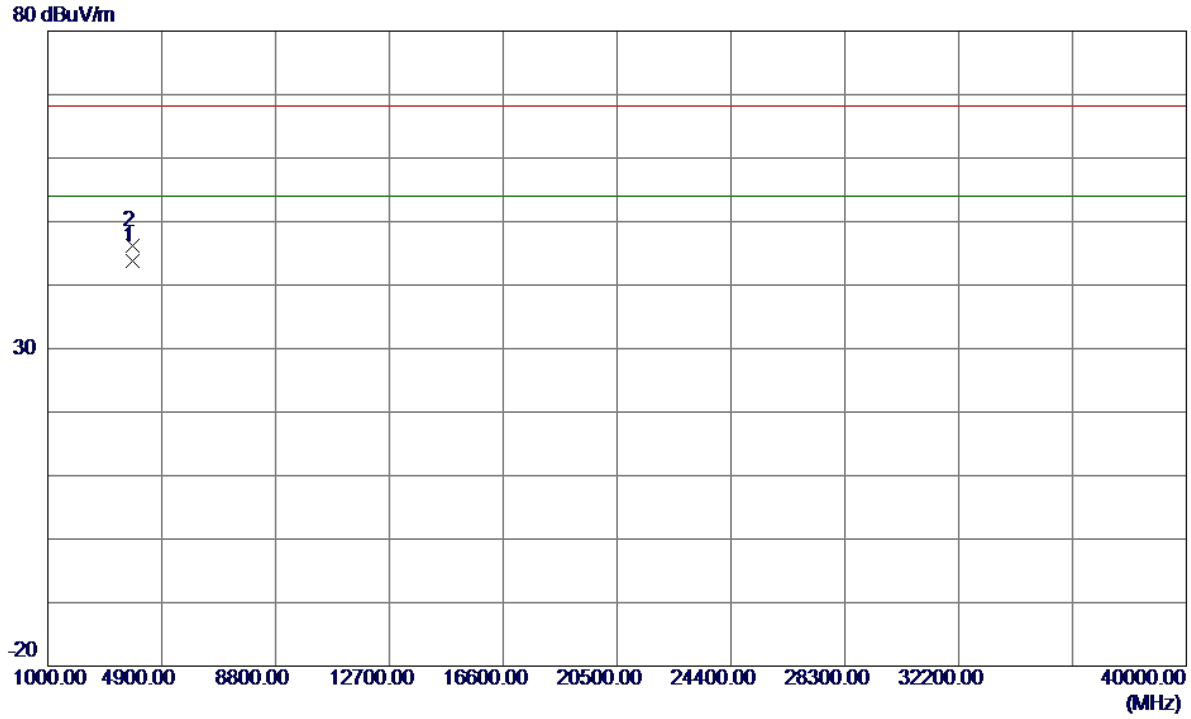


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5826.2000	65.62	42.94	108.56	122.20	-13.64	Peak	
2	5827.1000	56.13	42.94	99.07	122.20	-23.13	AVG	
3	5850.0000	23.18	43.03	66.21	122.20	-55.99	Peak	
4	5850.0000	12.65	43.03	55.68	122.20	-66.52	AVG	
5	5860.0000	12.76	43.06	55.82	109.40	-53.58	Peak	
6	5860.0000	3.21	43.06	46.27	109.40	-63.13	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

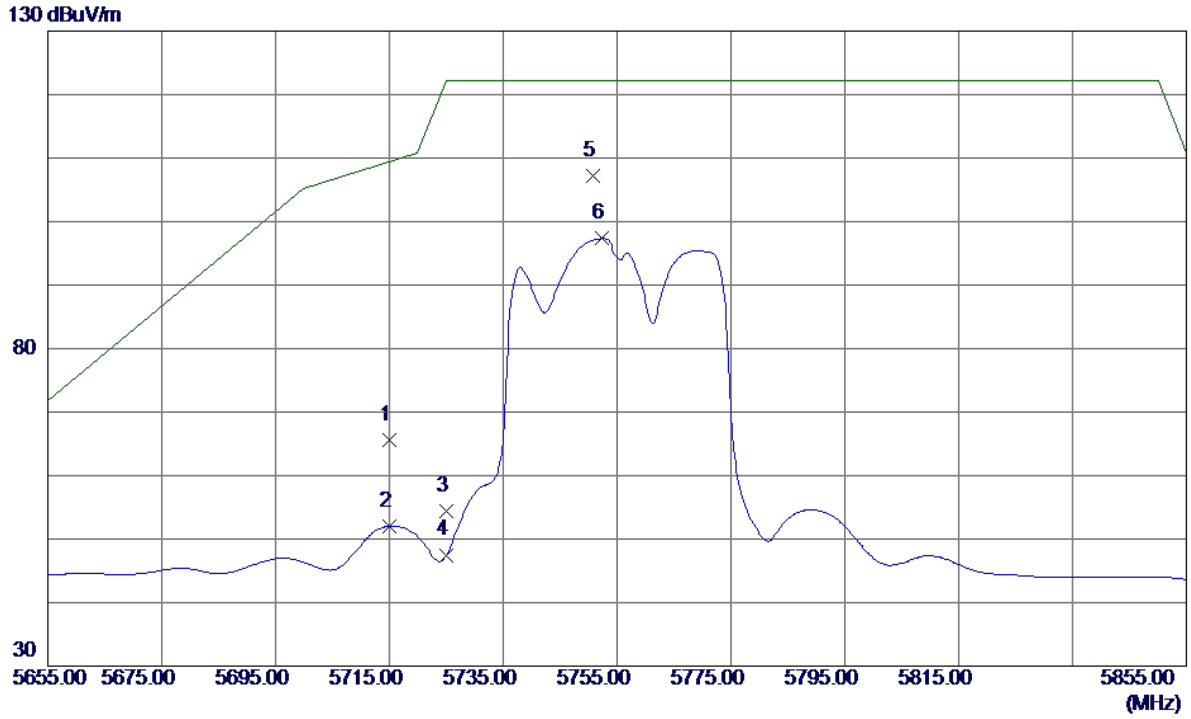


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3883.3250	42.02	1.75	43.77	54.00	-10.23	AVG	
2	3883.3900	44.52	1.75	46.27	68.30	-22.03	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

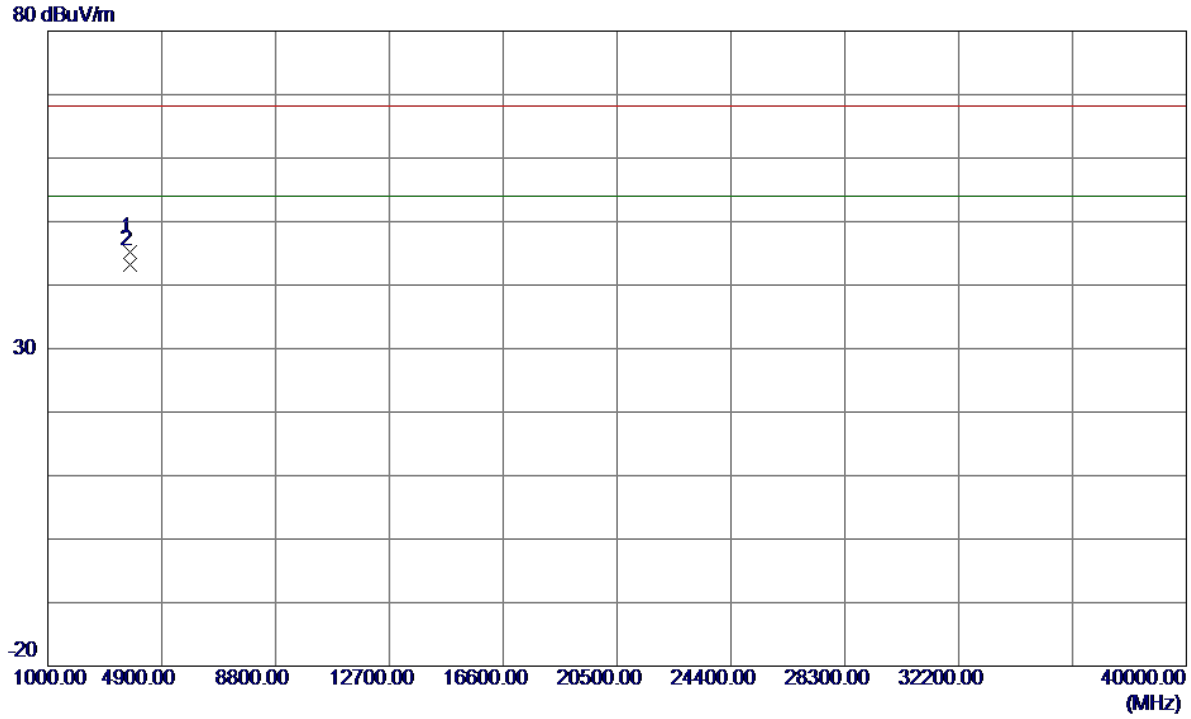


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	23.06	42.55	65.61	109.40	-43.79	Peak	
2	5715.0000	9.51	42.55	52.06	109.40	-57.34	AVG	
3	5725.0000	11.75	42.58	54.33	122.20	-67.87	Peak	
4	5725.0000	4.92	42.58	47.50	122.20	-74.70	AVG	
5 *	5750.8000	64.47	42.67	107.14	122.20	-15.06	Peak	
6	5752.4000	54.64	42.68	97.32	122.20	-24.88	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

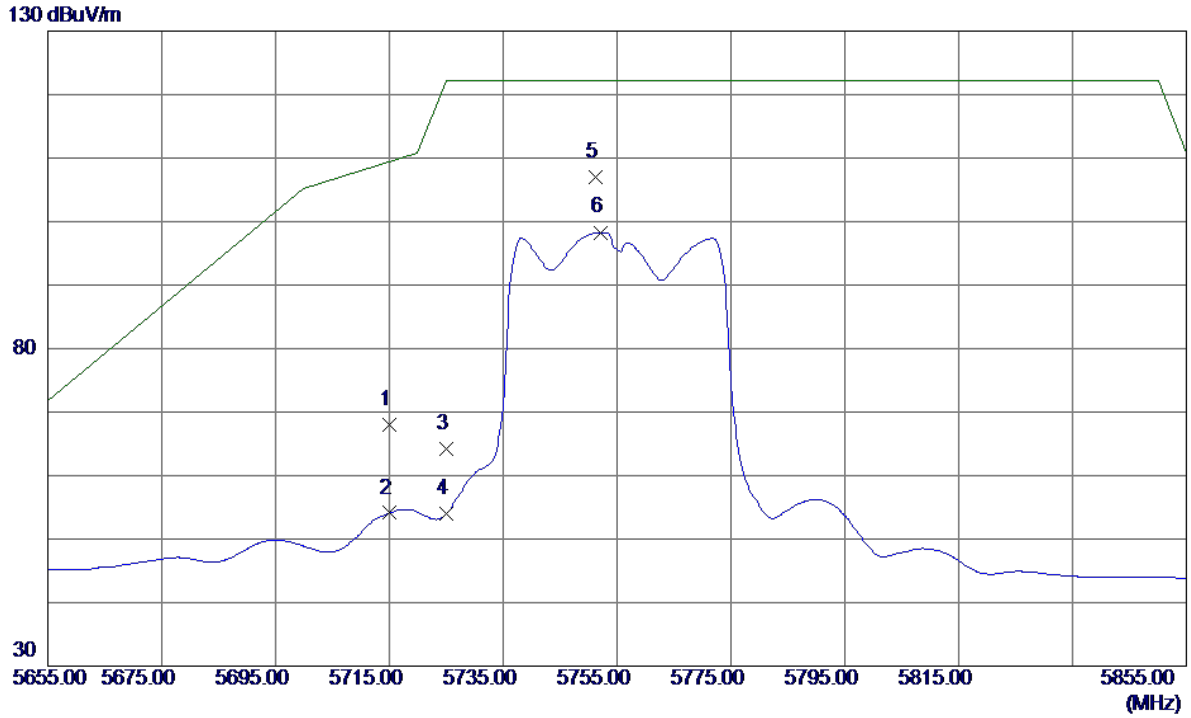


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3836.6350	43.68	1.60	45.28	68.30	-23.02	Peak	
2 *	3836.6550	41.68	1.60	43.28	54.00	-10.72	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

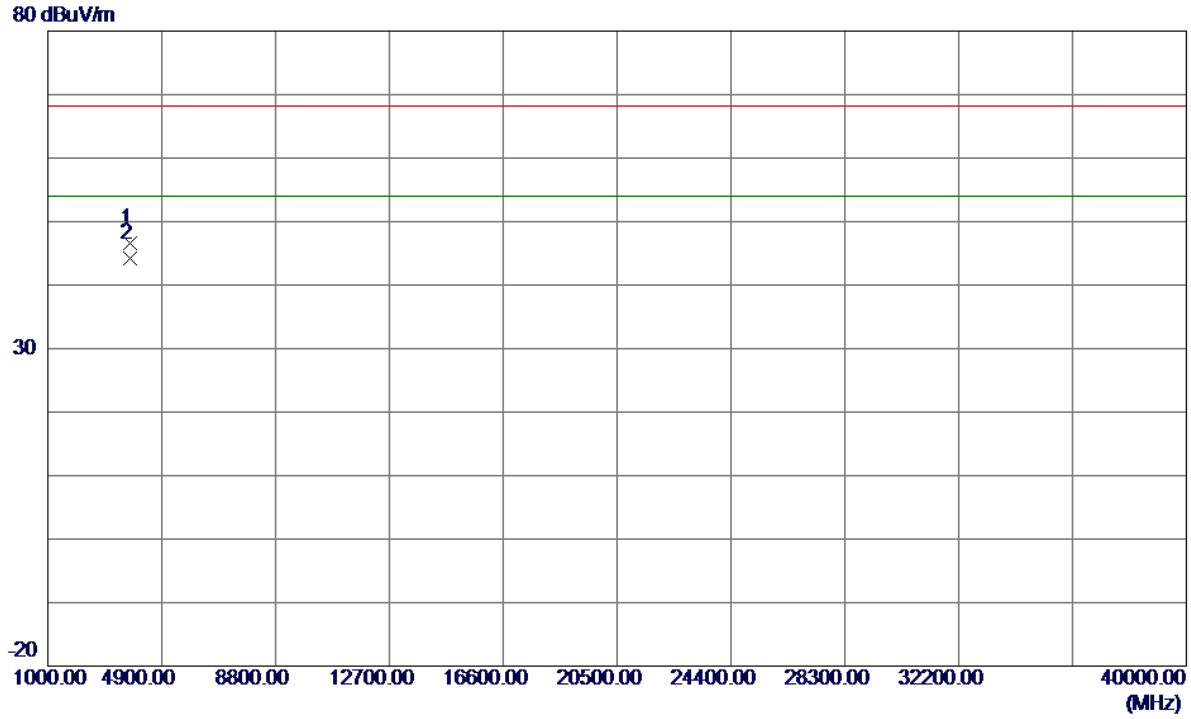


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	25.37	42.55	67.92	109.40	-41.48	Peak	
2	5715.0000	11.55	42.55	54.10	109.40	-55.30	AVG	
3	5725.0000	21.70	42.58	64.28	122.20	-57.92	Peak	
4	5725.0000	11.44	42.58	54.02	122.20	-68.18	AVG	
5 *	5751.2000	64.39	42.67	107.06	122.20	-15.14	Peak	
6	5752.2000	55.62	42.68	98.30	122.20	-23.90	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

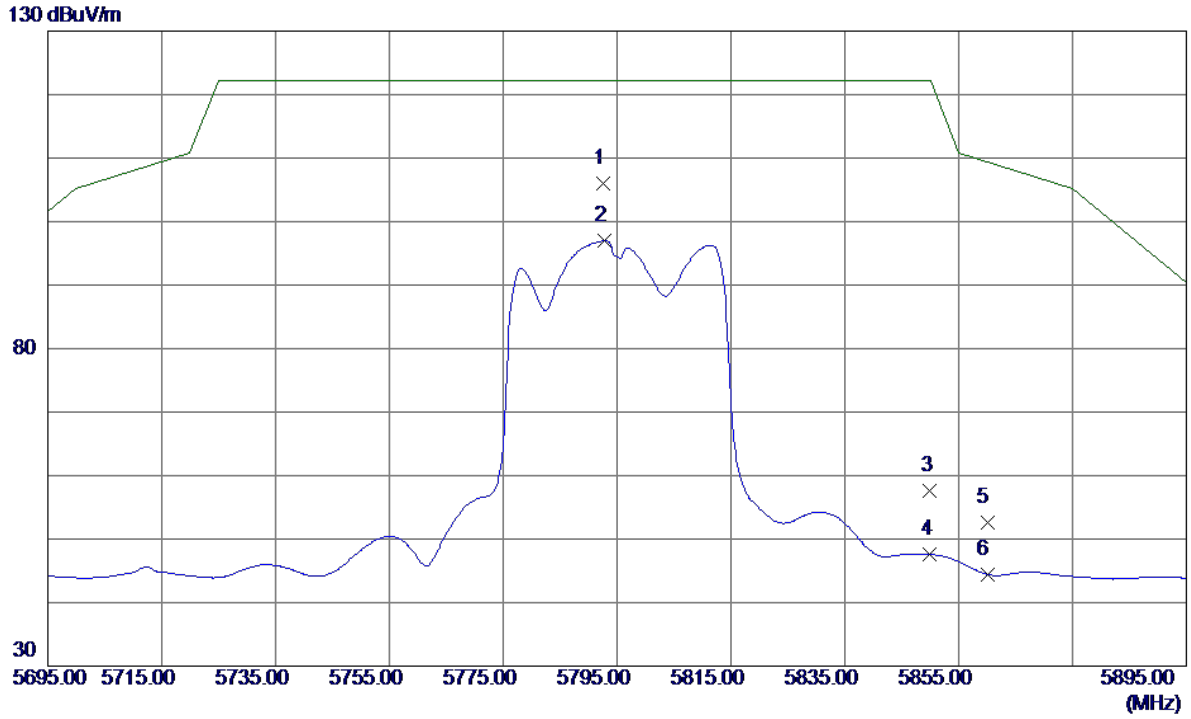


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3836.6000	44.96	1.60	46.56	68.30	-21.74	Peak	
2 *	3836.6350	42.60	1.60	44.20	54.00	-9.80	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

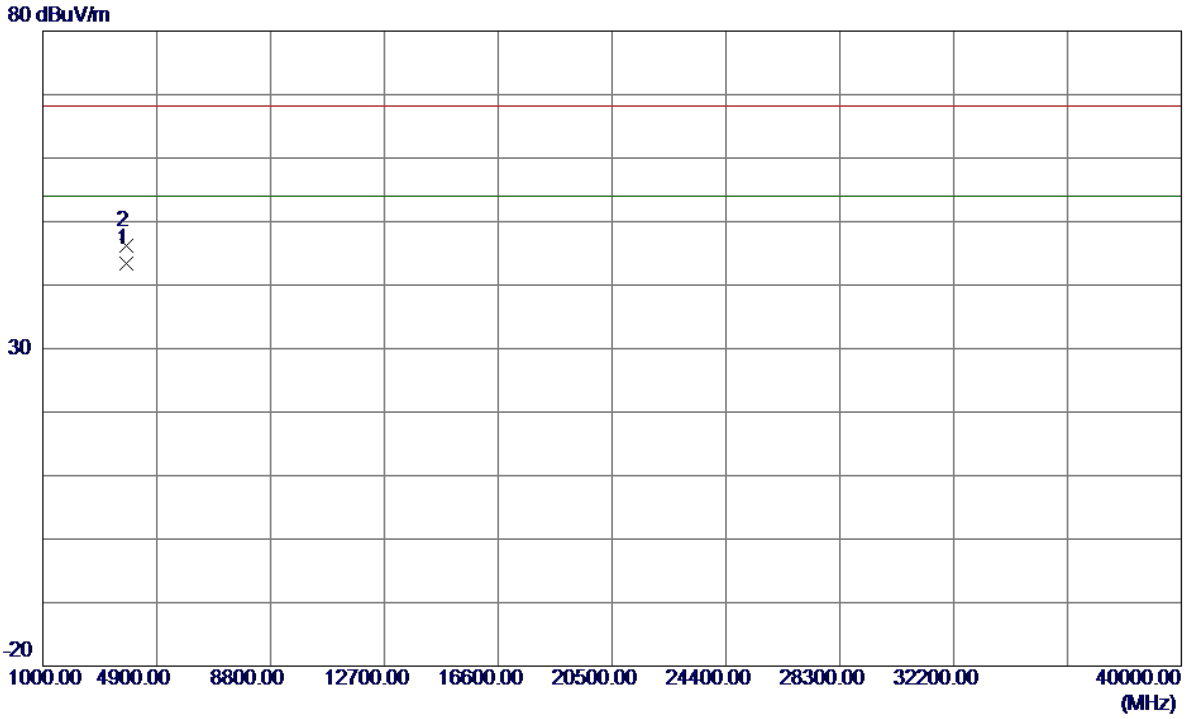


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5792.6000	63.21	42.82	106.03	122.20	-16.17	Peak	
2	5792.8000	54.13	42.82	96.95	122.20	-25.25	AVG	
3	5850.0000	14.59	43.03	57.62	122.20	-64.58	Peak	
4	5850.0000	4.55	43.03	47.58	122.20	-74.62	AVG	
5	5860.0000	9.54	43.06	52.60	109.40	-56.80	Peak	
6	5860.0000	1.39	43.06	44.45	109.40	-64.95	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Vertical

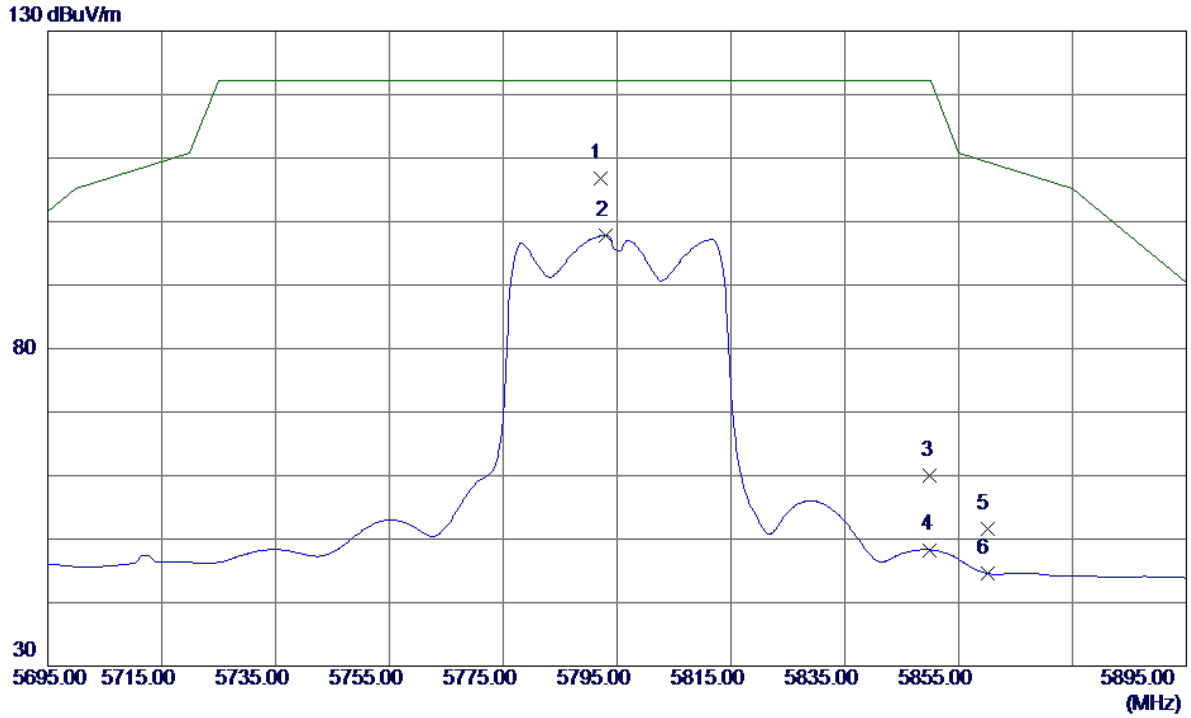


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3863.3050	41.71	1.68	43.39	54.00	-10.61	AVG	
2	3863.3400	44.58	1.68	46.26	68.30	-22.04	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

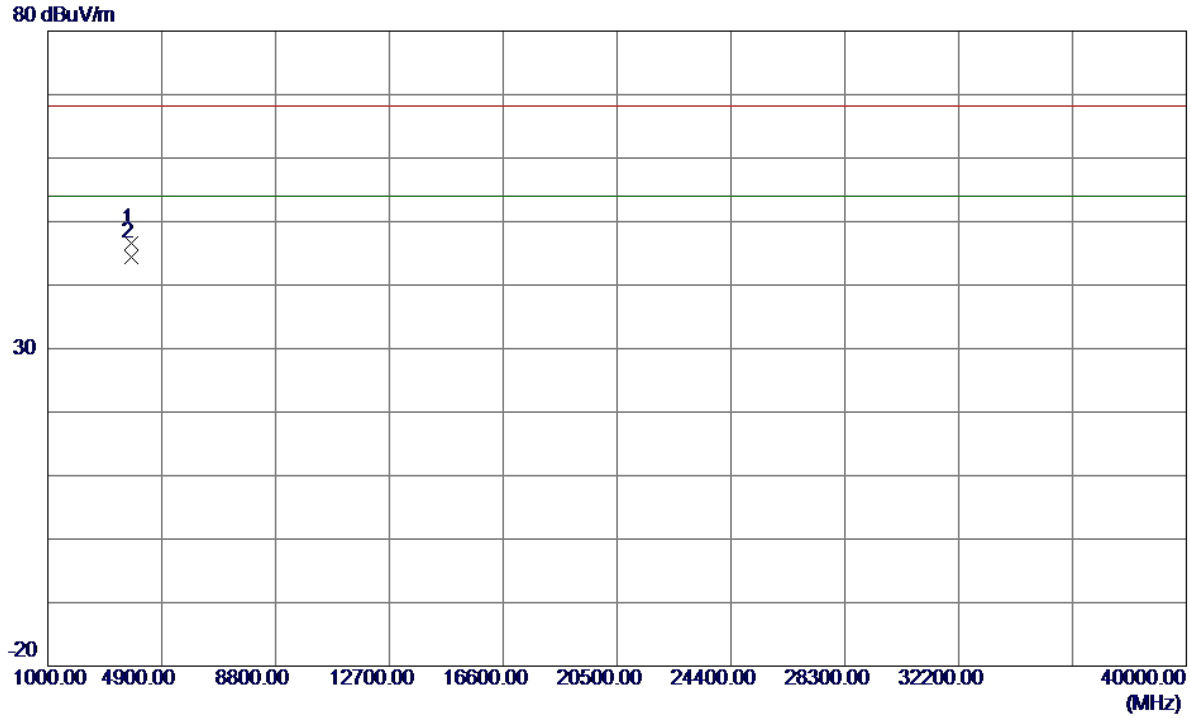


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5792.0000	64.05	42.82	106.87	122.20	-15.33	Peak	
2	5793.0000	55.01	42.82	97.83	122.20	-24.37	AVG	
3	5850.0000	16.89	43.03	59.92	122.20	-62.28	Peak	
4	5850.0000	5.27	43.03	48.30	122.20	-73.90	AVG	
5	5860.0000	8.47	43.06	51.53	109.40	-57.87	Peak	
6	5860.0000	1.53	43.06	44.59	109.40	-64.81	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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

Horizontal

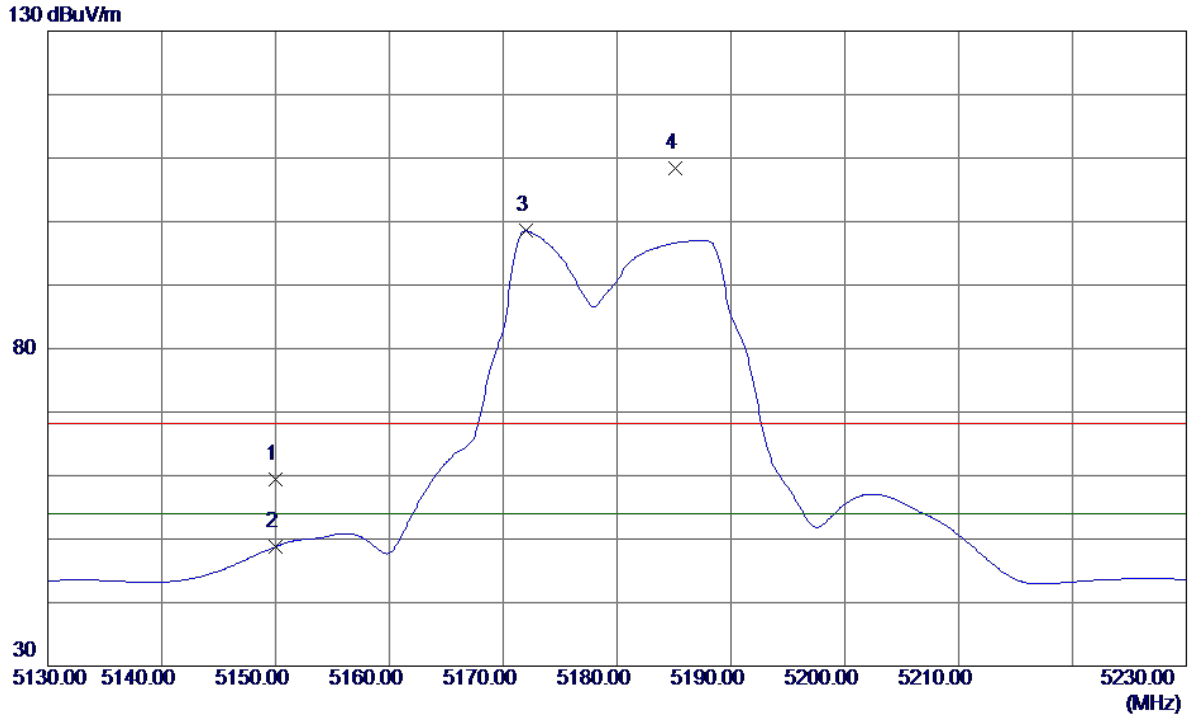


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3863.2150	44.97	1.68	46.65	68.30	-21.65	Peak	
2 *	3863.3750	42.63	1.68	44.31	54.00	-9.69	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5180MHz

Vertical

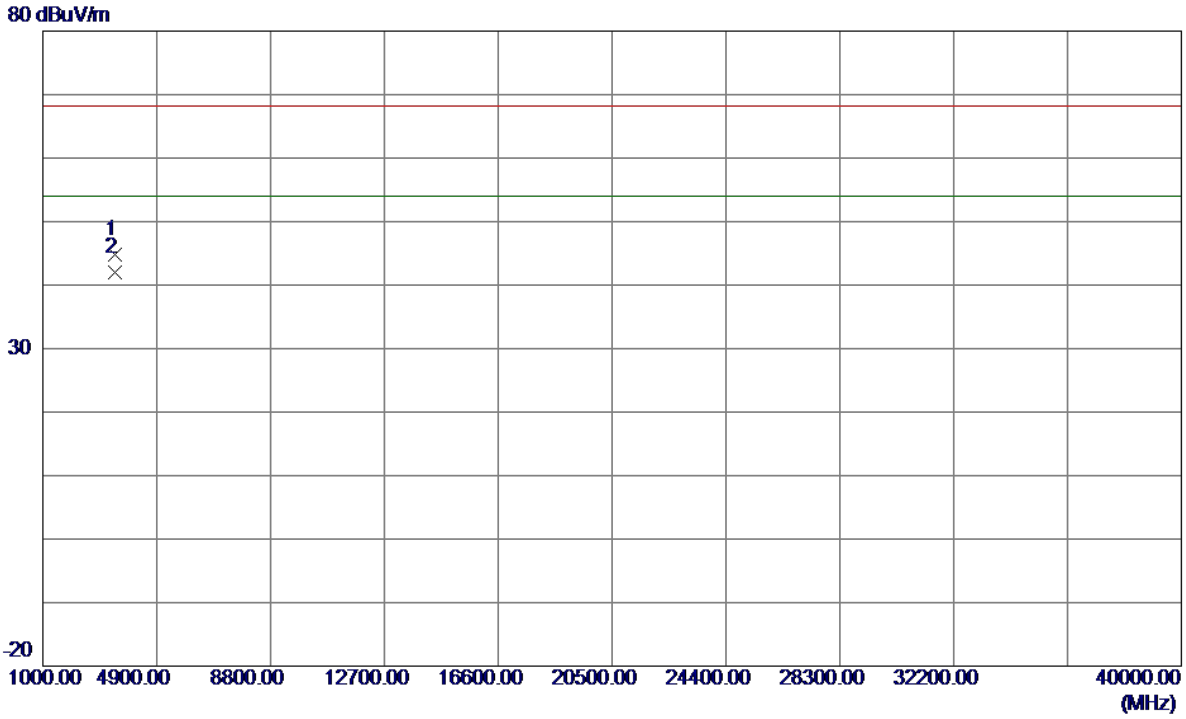


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	18.86	40.62	59.48	68.30	-8.82	Peak	
2	5150.0000	8.17	40.62	48.79	54.00	-5.21	AVG	
3 *	5172.0000	57.81	40.70	98.51	54.00	44.51	AVG	No Limit
4	5185.1000	67.70	40.74	108.44	68.30	40.14	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5180MHz

Vertical

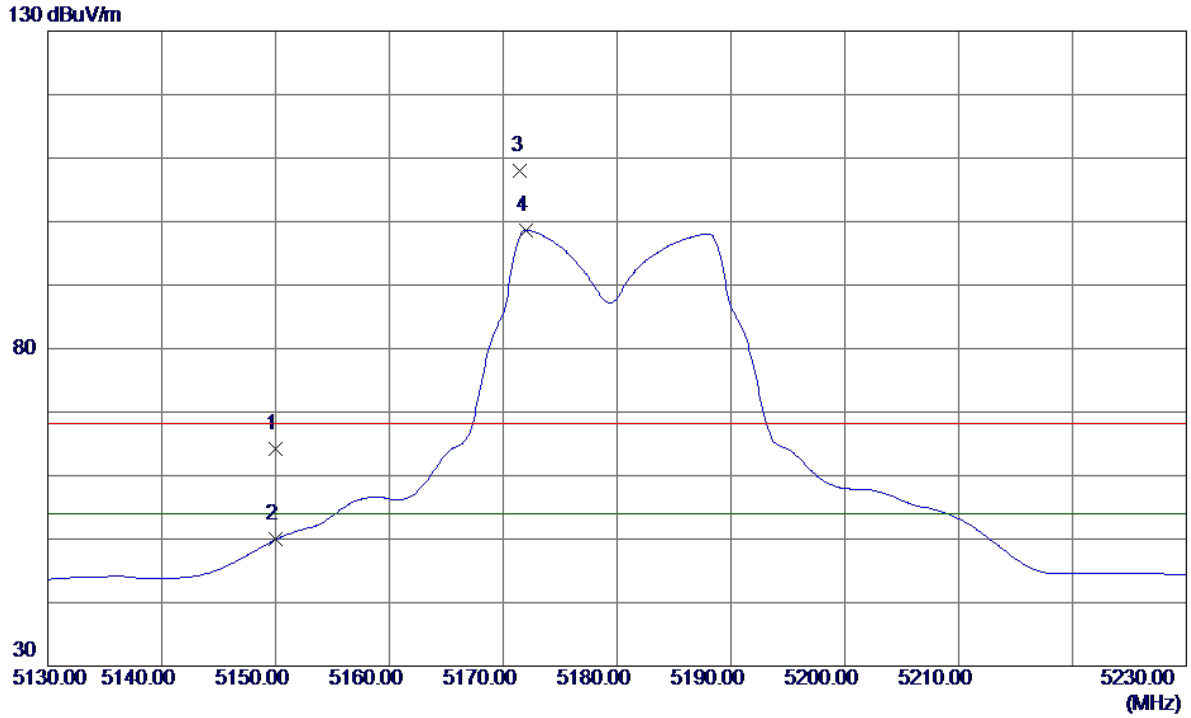


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3453.2950	44.22	0.61	44.83	68.30	-23.47	Peak	
2 *	3453.3400	41.34	0.61	41.95	54.00	-12.05	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5180MHz

Horizontal

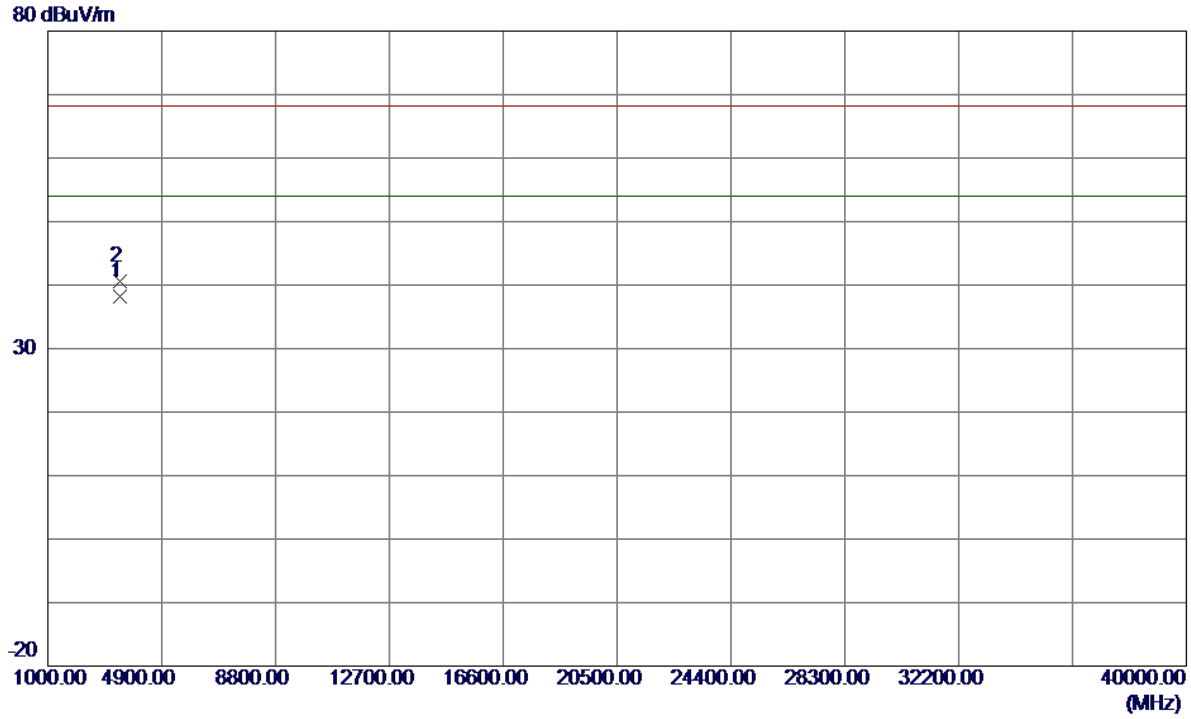


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.52	40.62	64.14	68.30	-4.16	Peak	
2	5150.0000	9.29	40.62	49.91	54.00	-4.09	AVG	
3	5171.5000	67.30	40.70	108.00	68.30	39.70	Peak	No Limit
4 *	5172.0000	57.96	40.70	98.66	54.00	44.66	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5180MHz

Horizontal

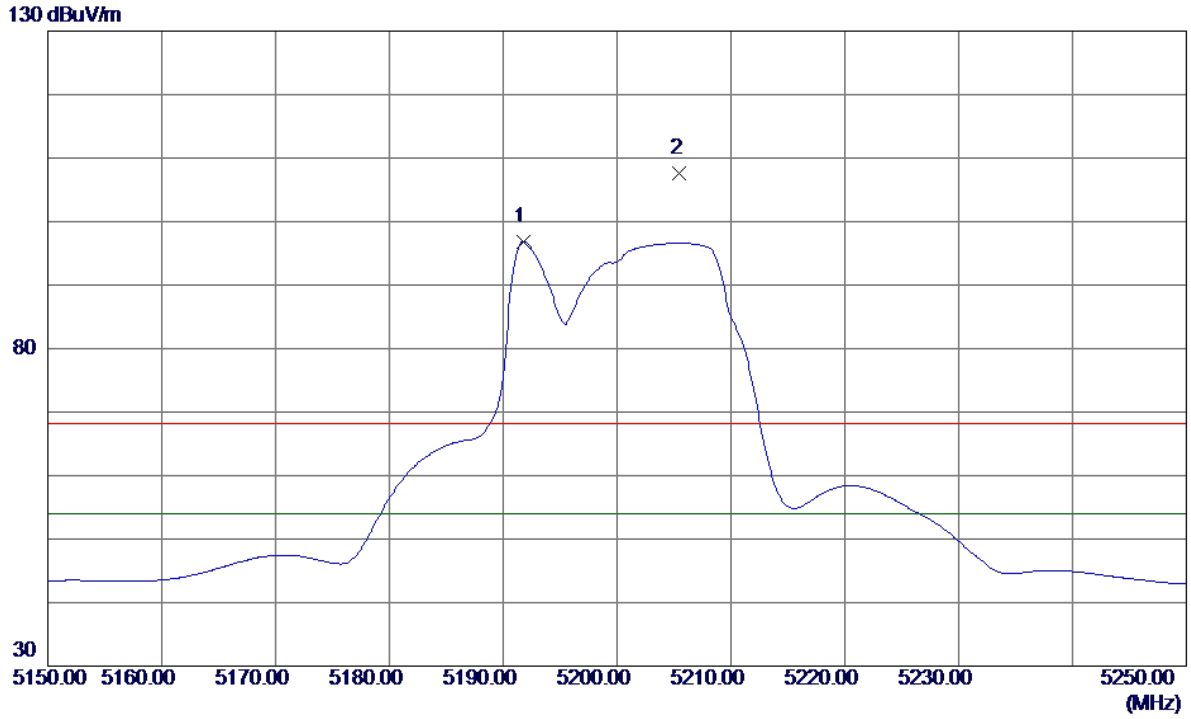


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3453.3100	37.64	0.61	38.25	54.00	-15.75	AVG	
2	3453.5100	40.08	0.61	40.69	68.30	-27.61	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5200MHz

Vertical

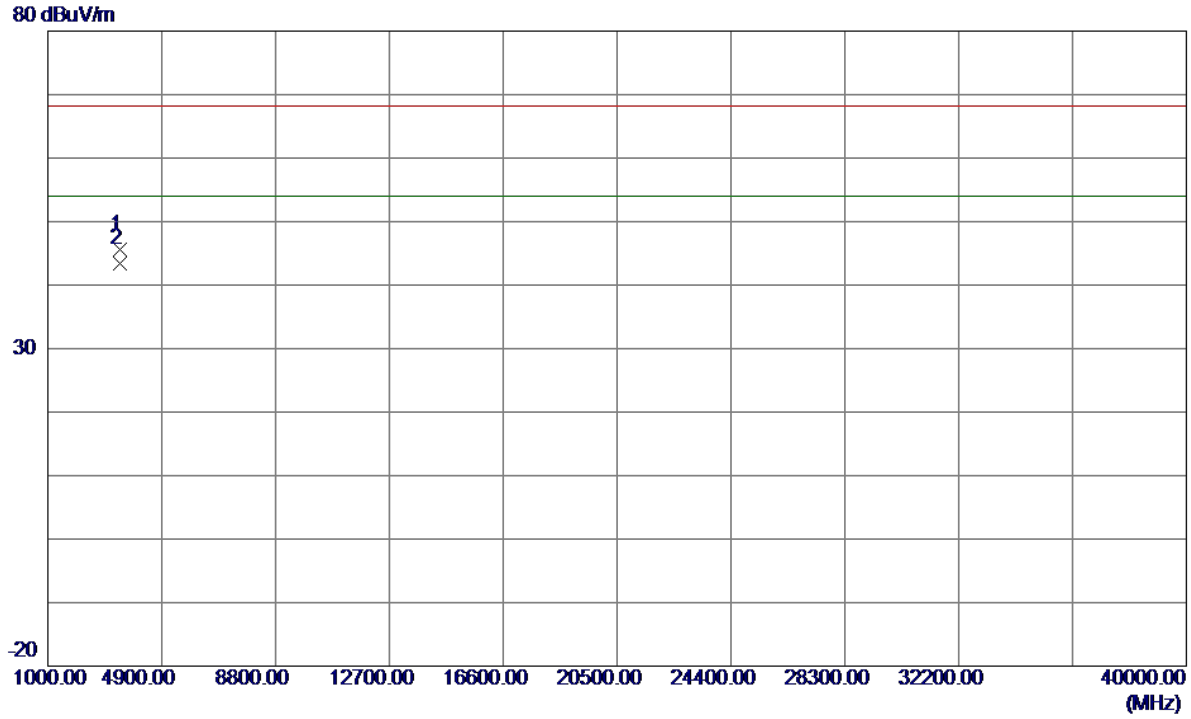


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5191.8000	56.12	40.76	96.88	54.00	42.88	AVG	No Limit
2	5205.5000	66.72	40.81	107.53	68.30	39.23	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5200MHz

Vertical

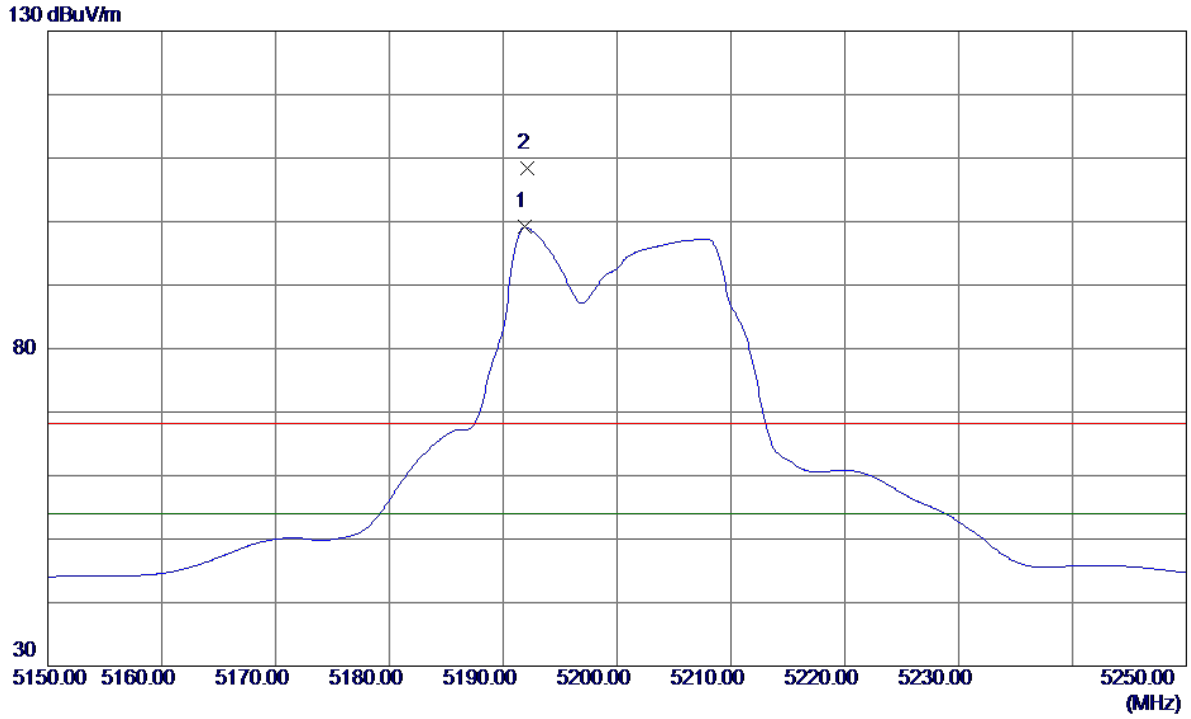


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3466.5450	45.09	0.60	45.69	68.30	-22.61	Peak	
2 *	3466.6300	42.85	0.60	43.45	54.00	-10.55	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5200MHz

Horizontal

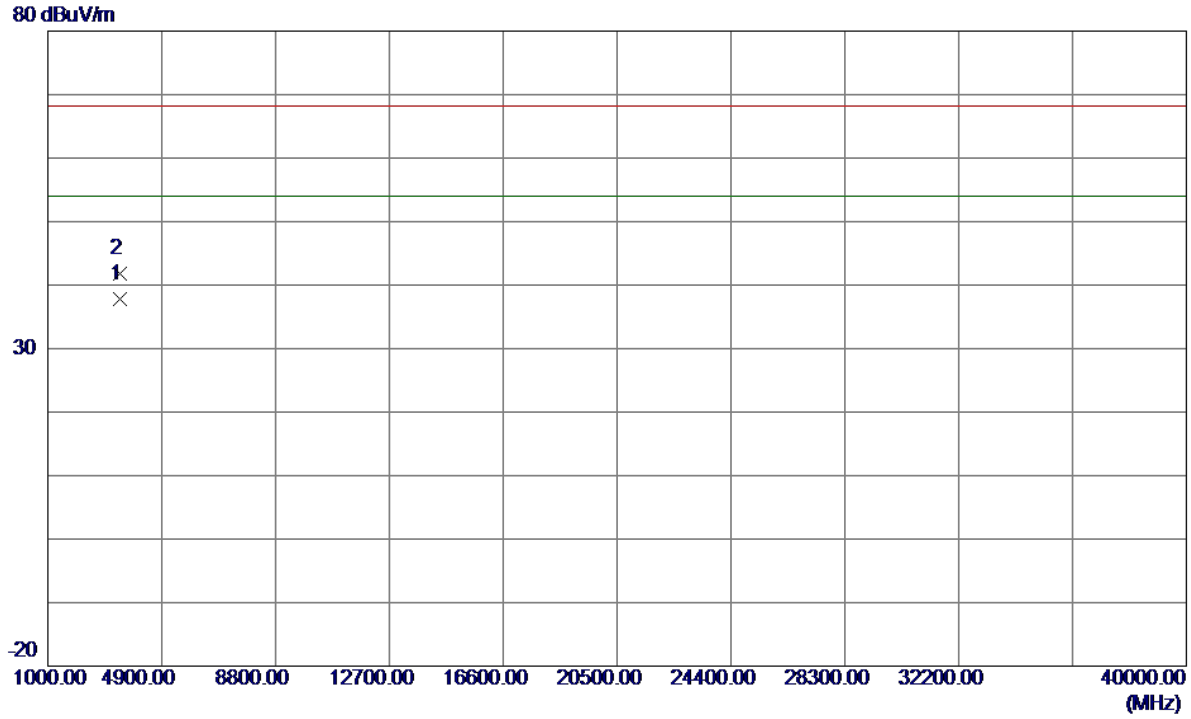


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5191.9000	58.35	40.76	99.11	54.00	45.11	AVG	No Limit
2	5192.1000	67.55	40.76	108.31	68.30	40.01	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5200MHz

Horizontal

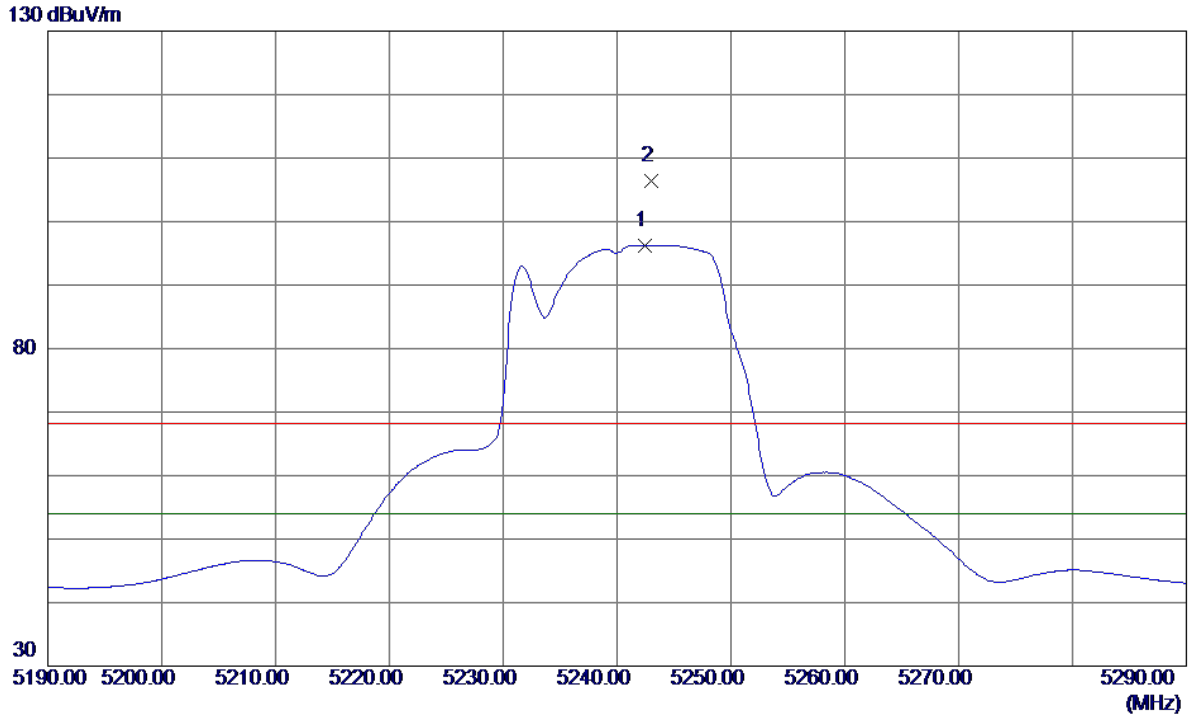


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3466.6300	37.16	0.60	37.76	54.00	-16.24	AVG	
2	3466.6900	41.16	0.60	41.76	68.30	-26.54	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5240MHz

Vertical

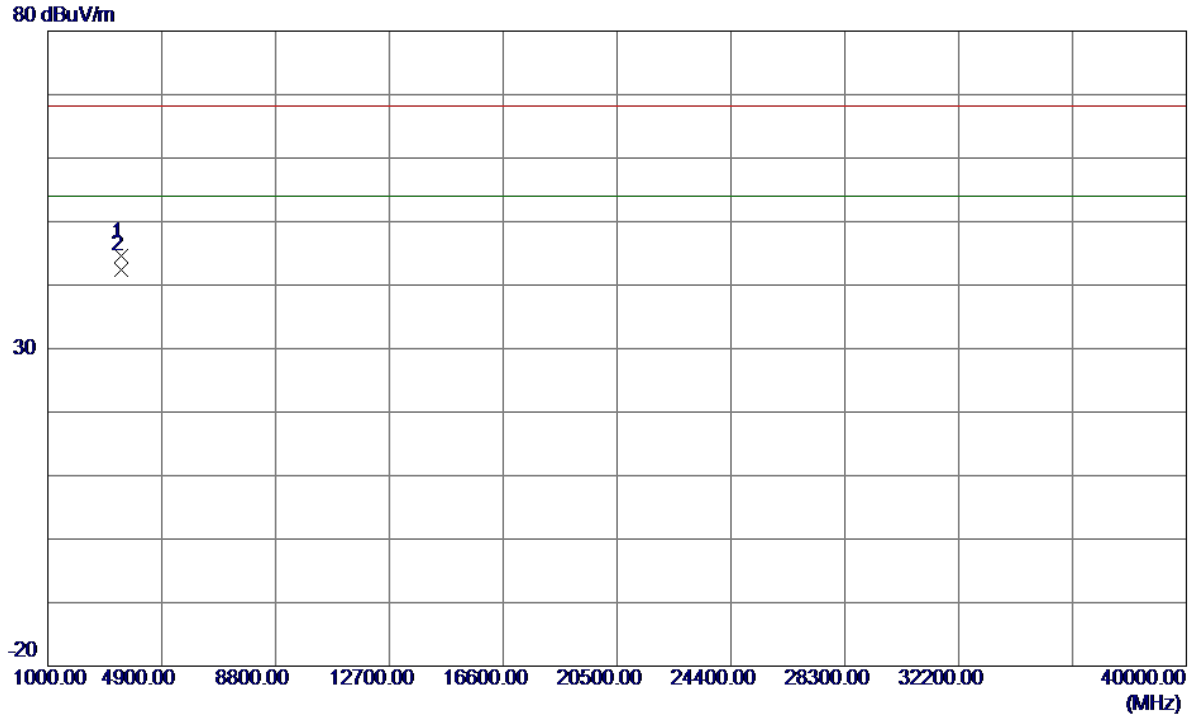


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5242.4000	55.35	40.93	96.28	54.00	42.28	AVG	No Limit
2	5243.0000	65.49	40.93	106.42	68.30	38.12	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5240MHz

Vertical

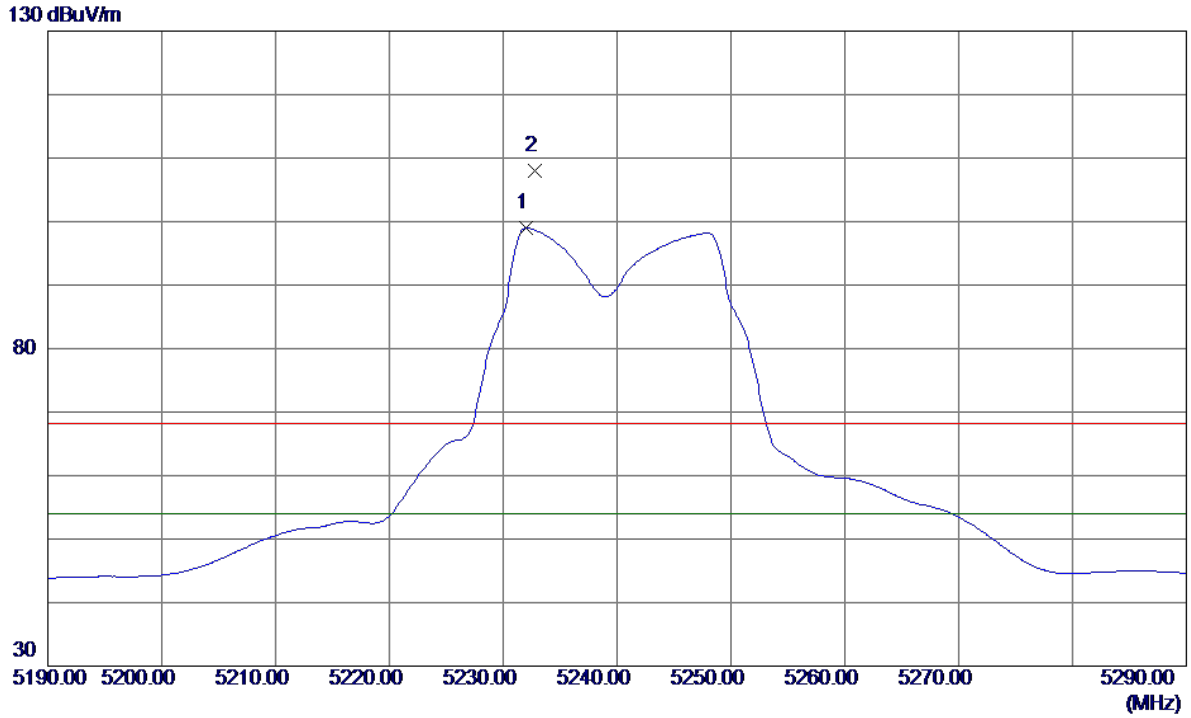


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3493.2950	43.92	0.58	44.50	68.30	-23.80	Peak	
2 *	3493.3500	41.88	0.58	42.46	54.00	-11.54	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5240MHz

Horizontal

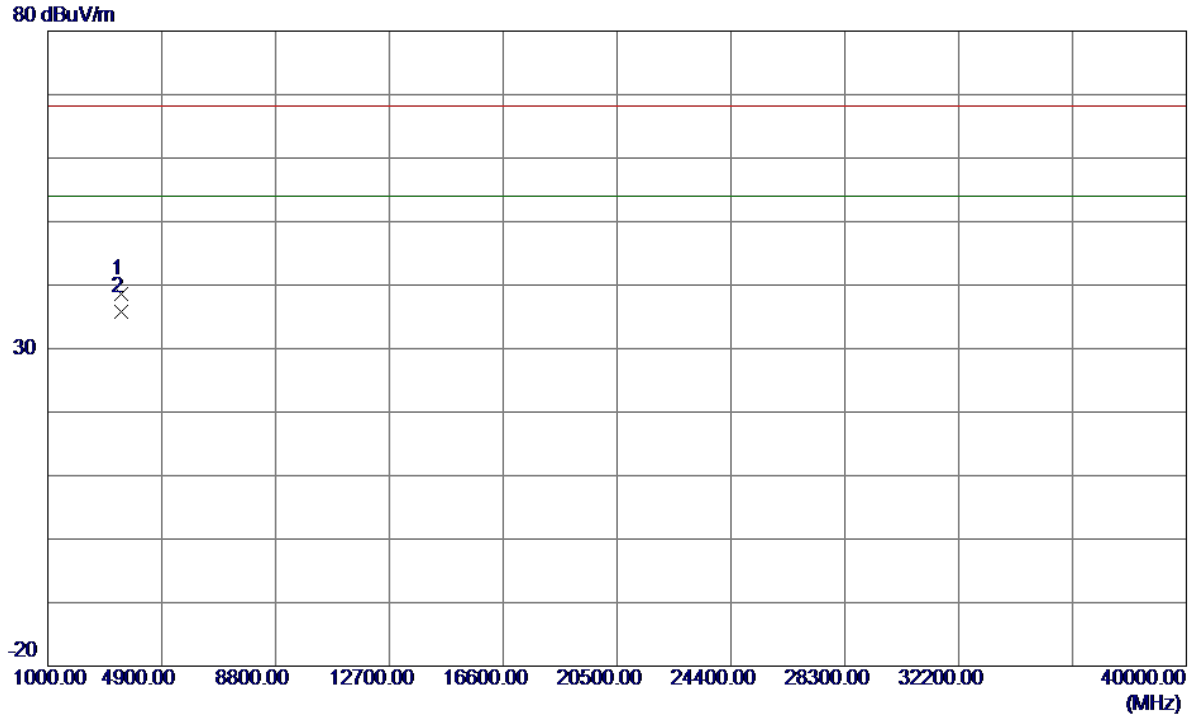


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5232.0000	58.06	40.90	98.96	54.00	44.96	AVG	No Limit
2	5232.8000	67.06	40.90	107.96	68.30	39.66	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave20 Mode 5240MHz

Horizontal

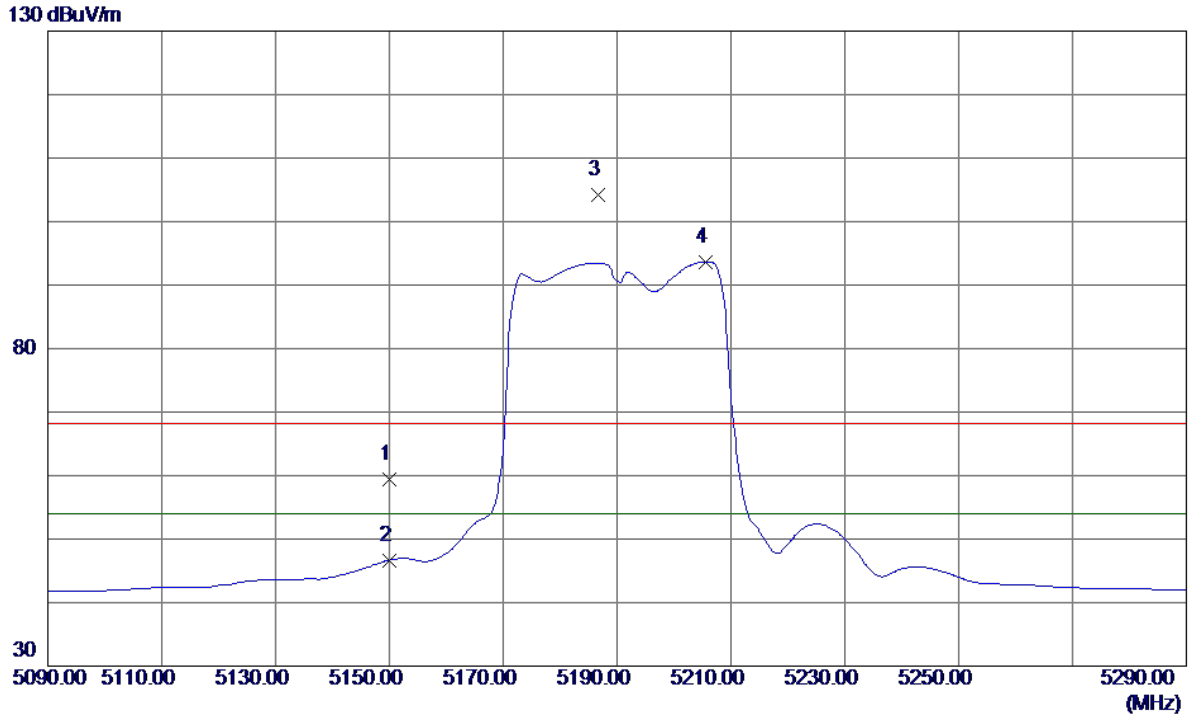


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3493.5500	38.06	0.58	38.64	68.30	-29.66	Peak	
2 *	3493.6500	35.22	0.58	35.80	54.00	-18.20	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave40 Mode 5190MHz

Vertical

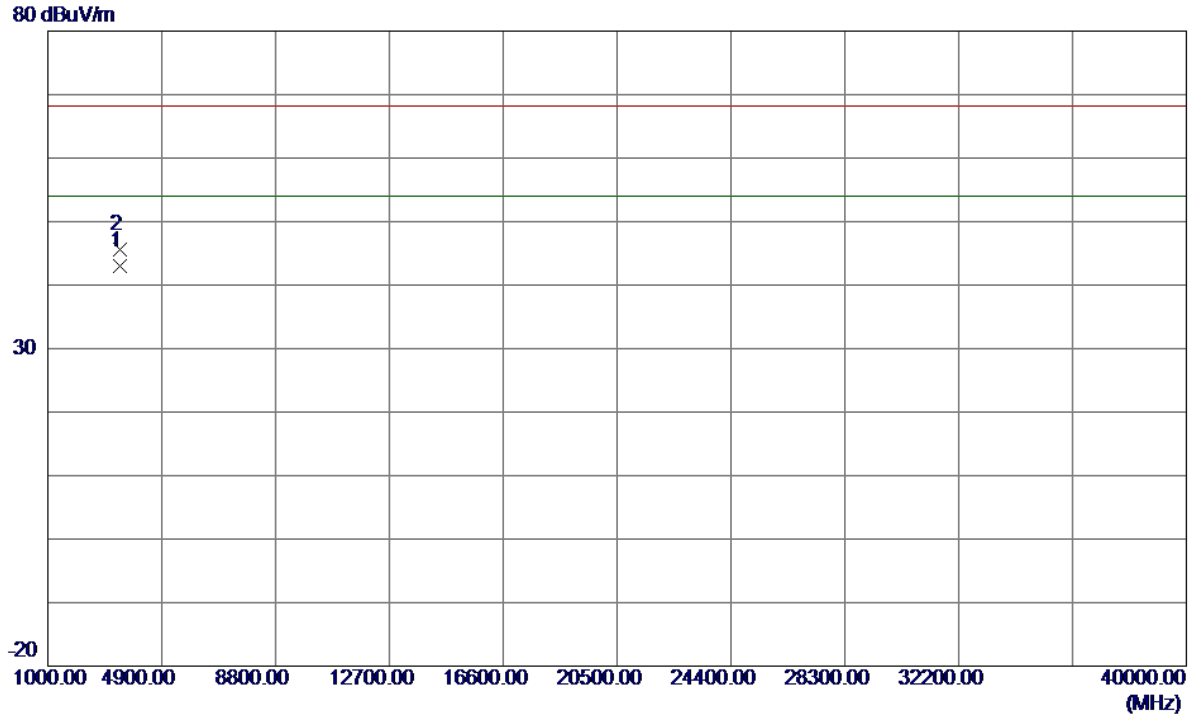


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	18.86	40.62	59.48	68.30	-8.82	Peak	
2	5150.0000	6.06	40.62	46.68	54.00	-7.32	AVG	
3	5186.6000	63.46	40.75	104.21	68.30	35.91	Peak	No Limit
4 *	5205.6000	52.84	40.81	93.65	54.00	39.65	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave40 Mode 5190MHz

Vertical

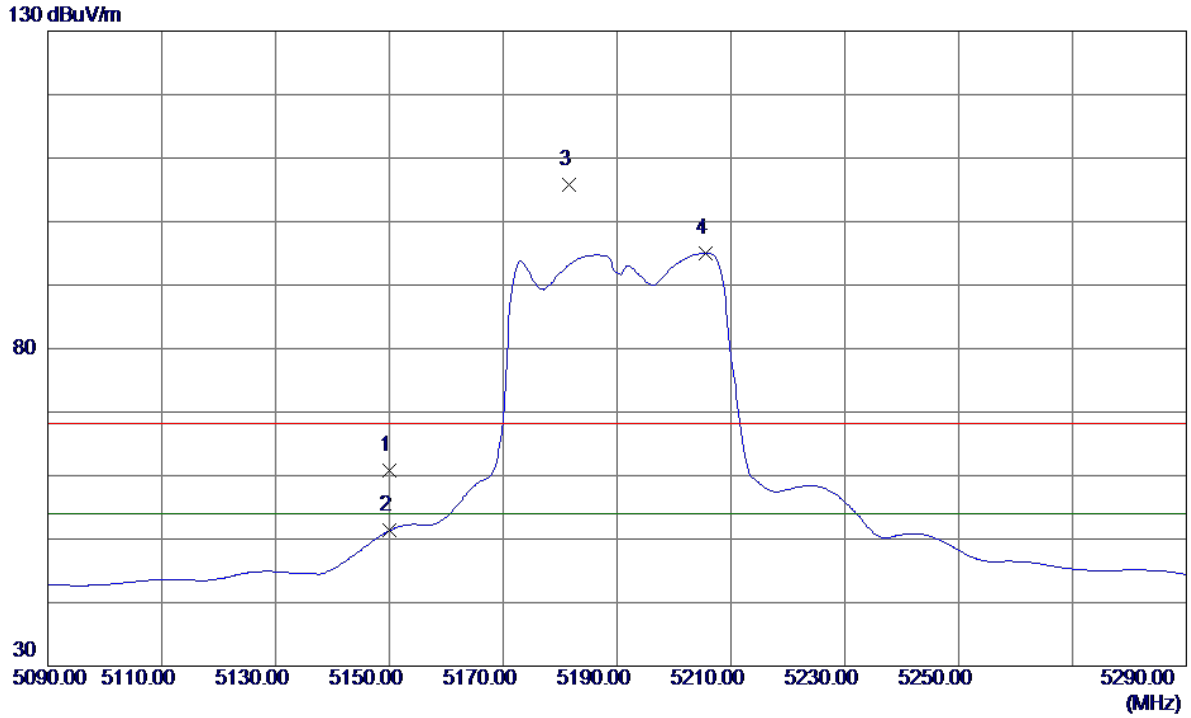


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3459.9900	42.45	0.61	43.06	54.00	-10.94	AVG	
2	3460.0400	44.98	0.61	45.59	68.30	-22.71	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave40 Mode 5190MHz

Horizontal

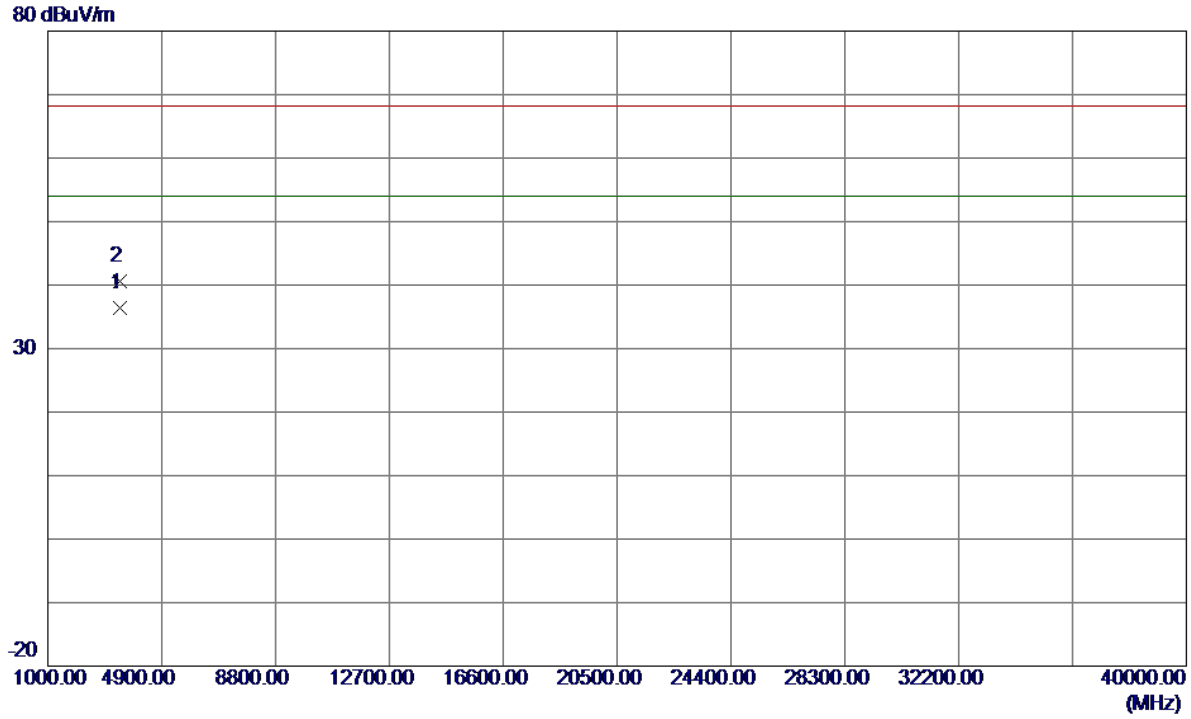


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	20.22	40.62	60.84	68.30	-7.46	Peak	
2	5150.0000	10.73	40.62	51.35	54.00	-2.65	AVG	
3	5181.6000	65.08	40.73	105.81	68.30	37.51	Peak	No Limit
4 *	5205.6000	54.15	40.81	94.96	54.00	40.96	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave40 Mode 5190MHz

Horizontal

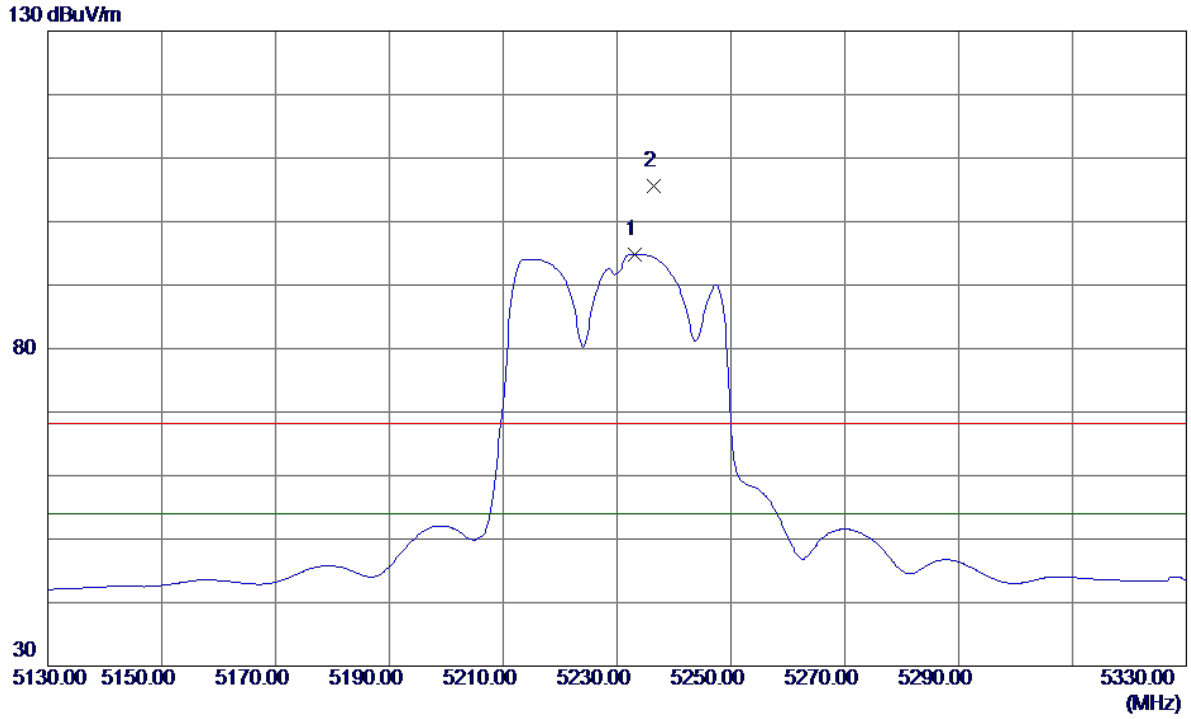


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3459.9800	35.86	0.61	36.47	54.00	-17.53	AVG	
2	3459.9950	39.96	0.61	40.57	68.30	-27.73	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave40 Mode 5230MHz

Vertical

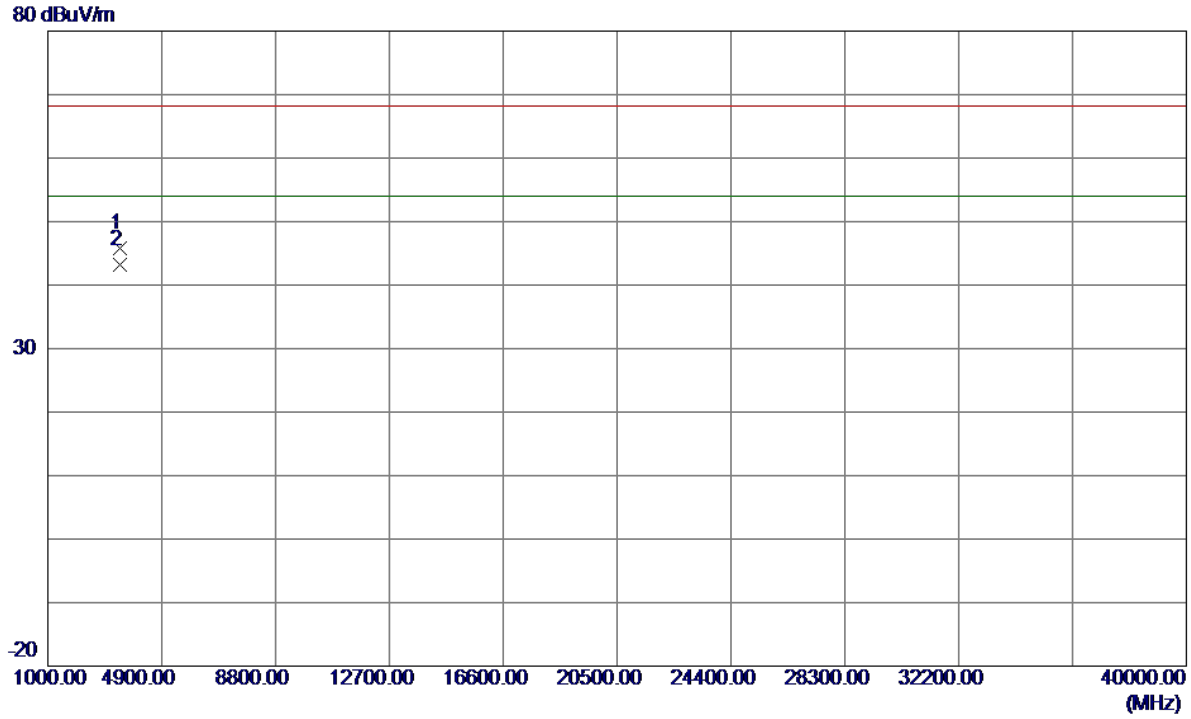


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5233.2000	53.99	40.90	94.89	54.00	40.89	AVG	No Limit
2	5236.4000	64.63	40.91	105.54	68.30	37.24	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave40 Mode 5230MHz

Vertical

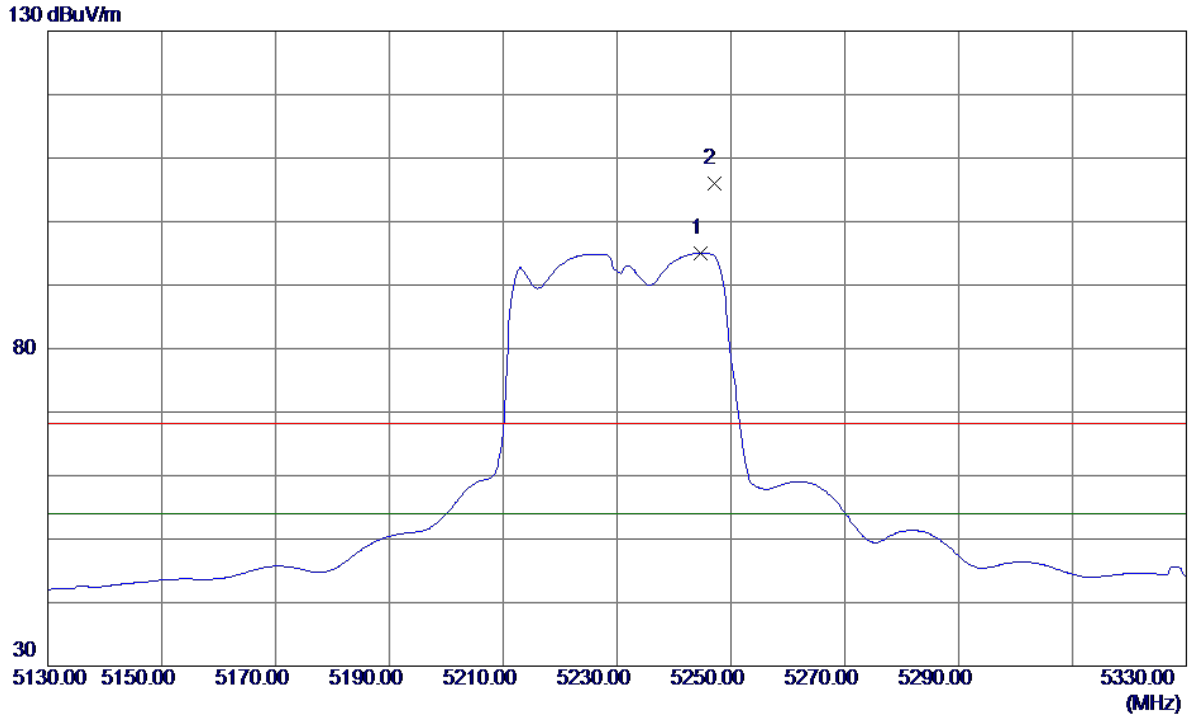


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3486.6450	45.17	0.59	45.76	68.30	-22.54	Peak	
2 *	3486.6600	42.65	0.59	43.24	54.00	-10.76	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave40 Mode 5230MHz

Horizontal

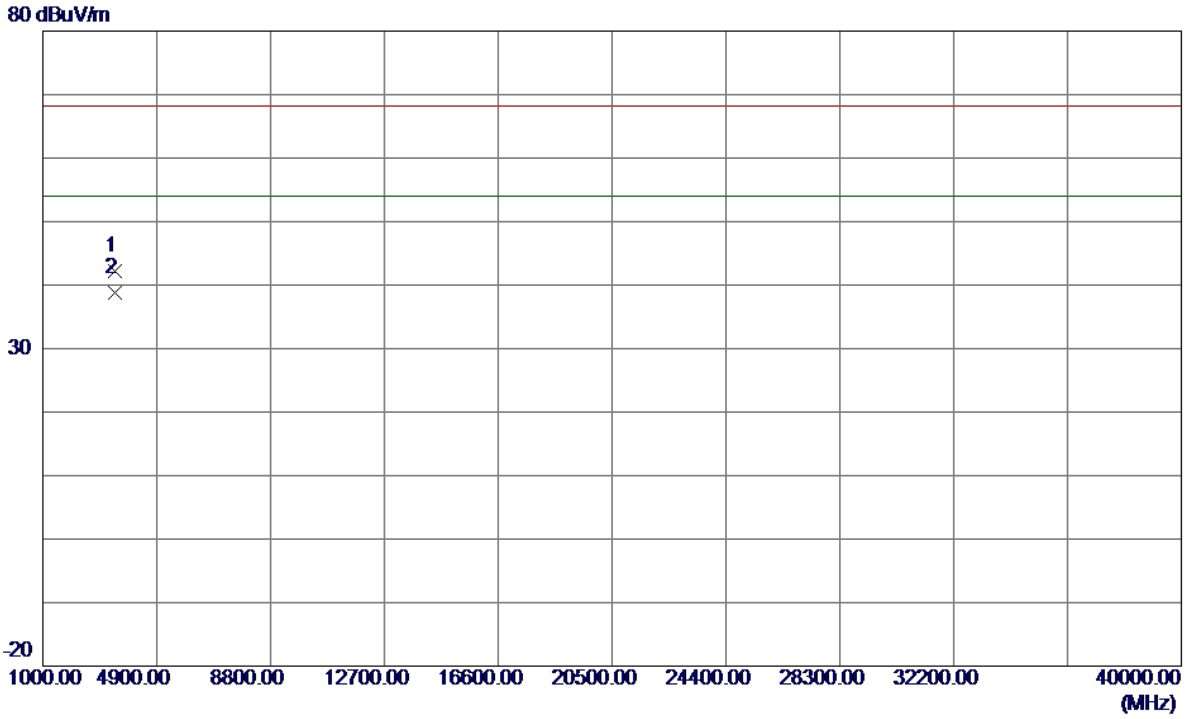


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5244.6000	54.13	40.94	95.07	54.00	41.07	AVG	No Limit
2	5247.0000	65.03	40.94	105.97	68.30	37.67	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave40 Mode 5230MHz

Horizontal

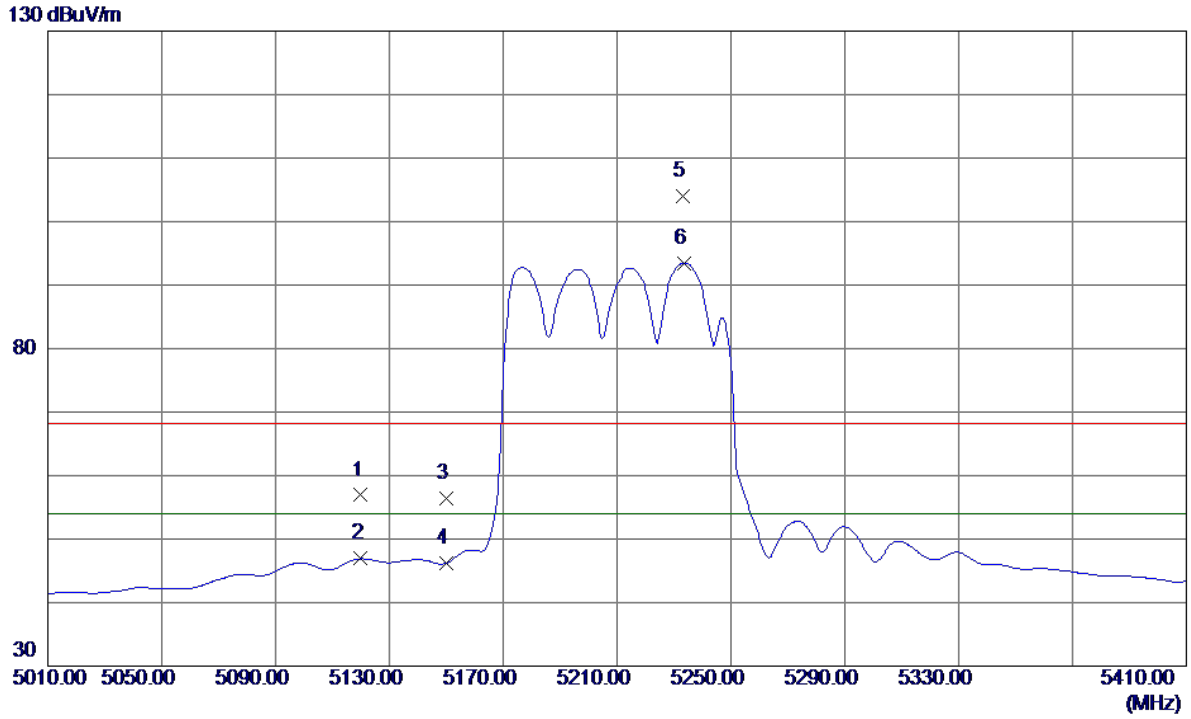


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3486.6300	41.69	0.59	42.28	68.30	-26.02	Peak	
2 *	3486.6600	38.20	0.59	38.79	54.00	-15.21	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave80 Mode 5210MHz

Vertical

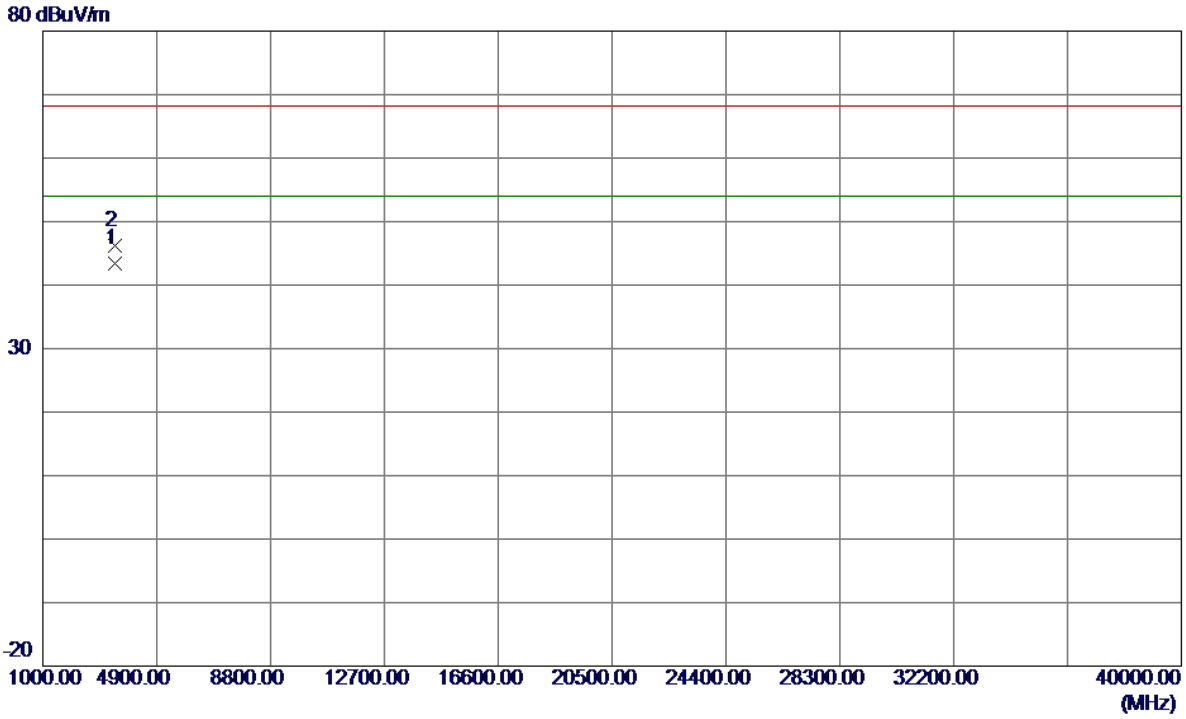


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5120.0000	16.37	40.53	56.90	68.30	-11.40	Peak	
2	5120.0000	6.38	40.53	46.91	54.00	-7.09	AVG	
3	5150.0000	15.82	40.62	56.44	68.30	-11.86	Peak	
4	5150.0000	5.61	40.62	46.23	54.00	-7.77	AVG	
5	5233.2000	63.17	40.90	104.07	68.30	35.77	Peak	No Limit
6 *	5233.6000	52.55	40.90	93.45	54.00	39.45	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave80 Mode 5210MHz

Vertical

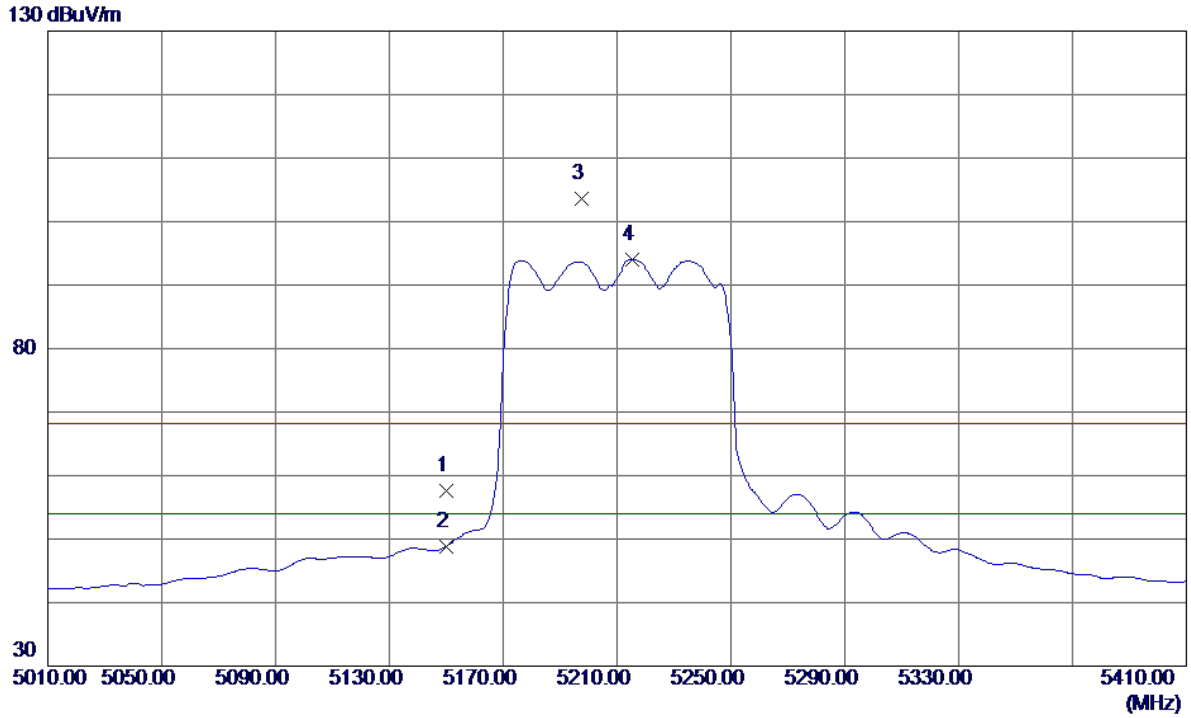


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3473.3100	42.88	0.60	43.48	54.00	-10.52	AVG	
2	3473.3150	45.65	0.60	46.25	68.30	-22.05	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave80 Mode 5210MHz

Horizontal

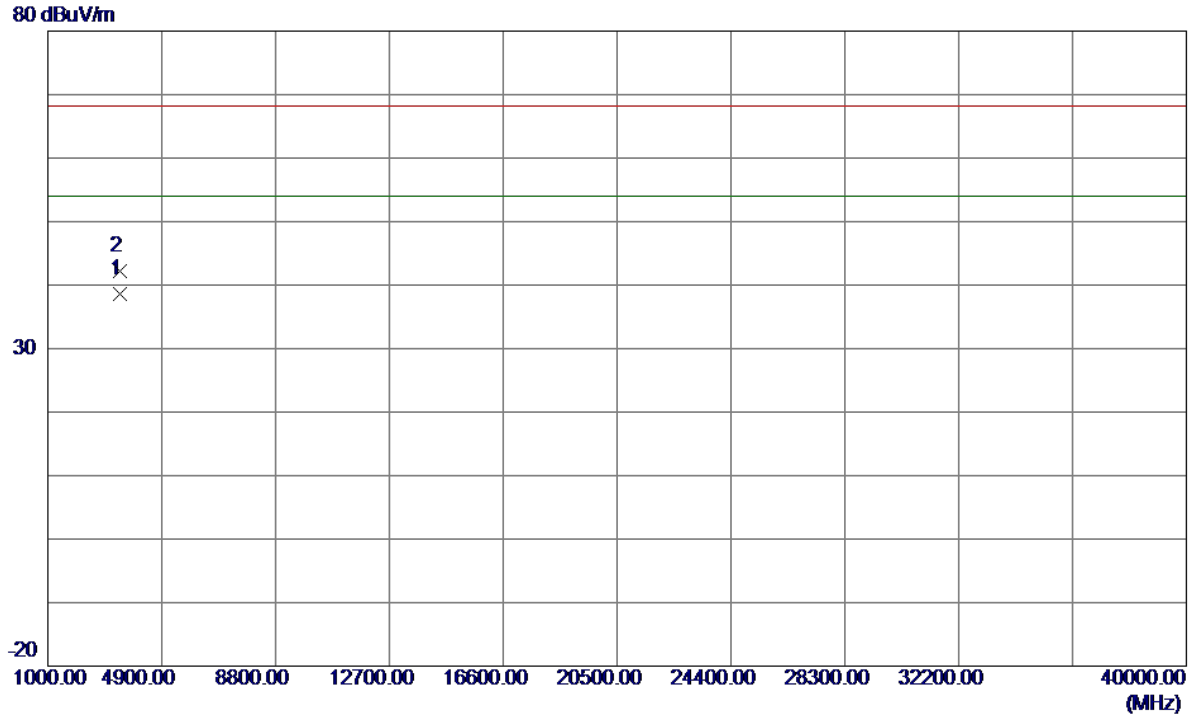


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	17.06	40.62	57.68	68.30	-10.62	Peak	
2	5150.0000	8.26	40.62	48.88	54.00	-5.12	AVG	
3	5197.6000	62.85	40.78	103.63	68.30	35.33	Peak	No Limit
4 *	5215.2000	53.19	40.84	94.03	54.00	40.03	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC Wave80 Mode 5210MHz

Horizontal

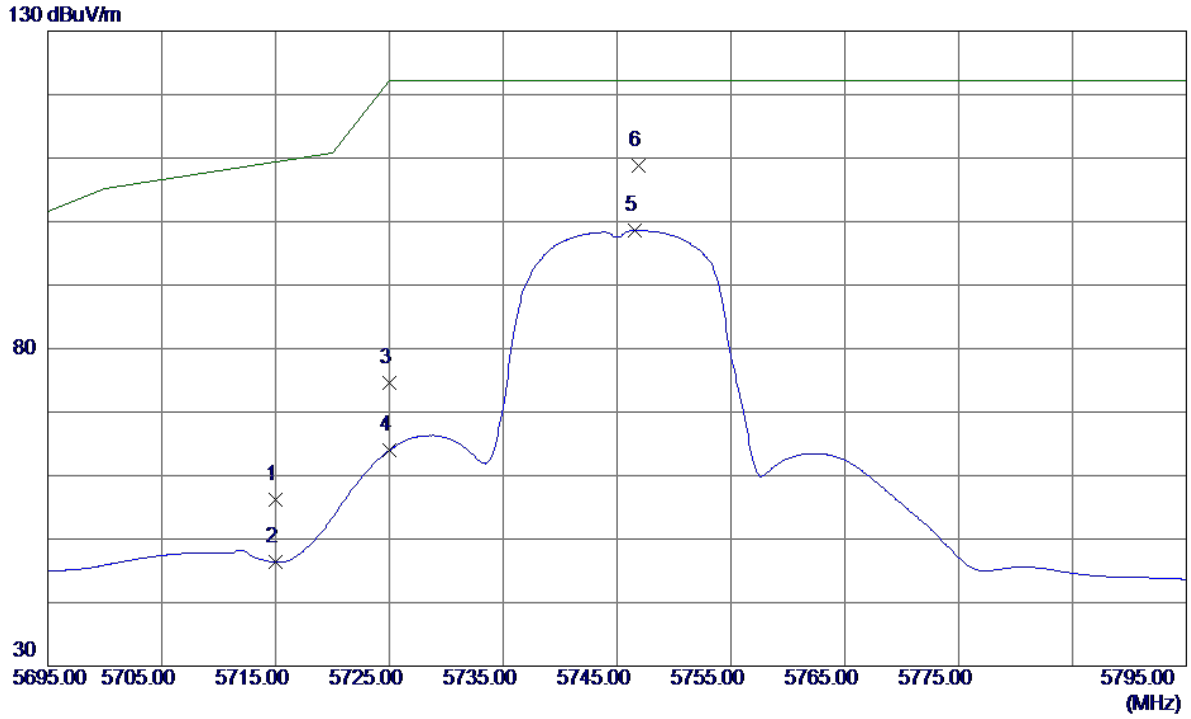


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3473.3300	37.96	0.60	38.56	54.00	-15.44	AVG	
2	3473.3400	41.53	0.60	42.13	68.30	-26.17	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5745MHz

Vertical

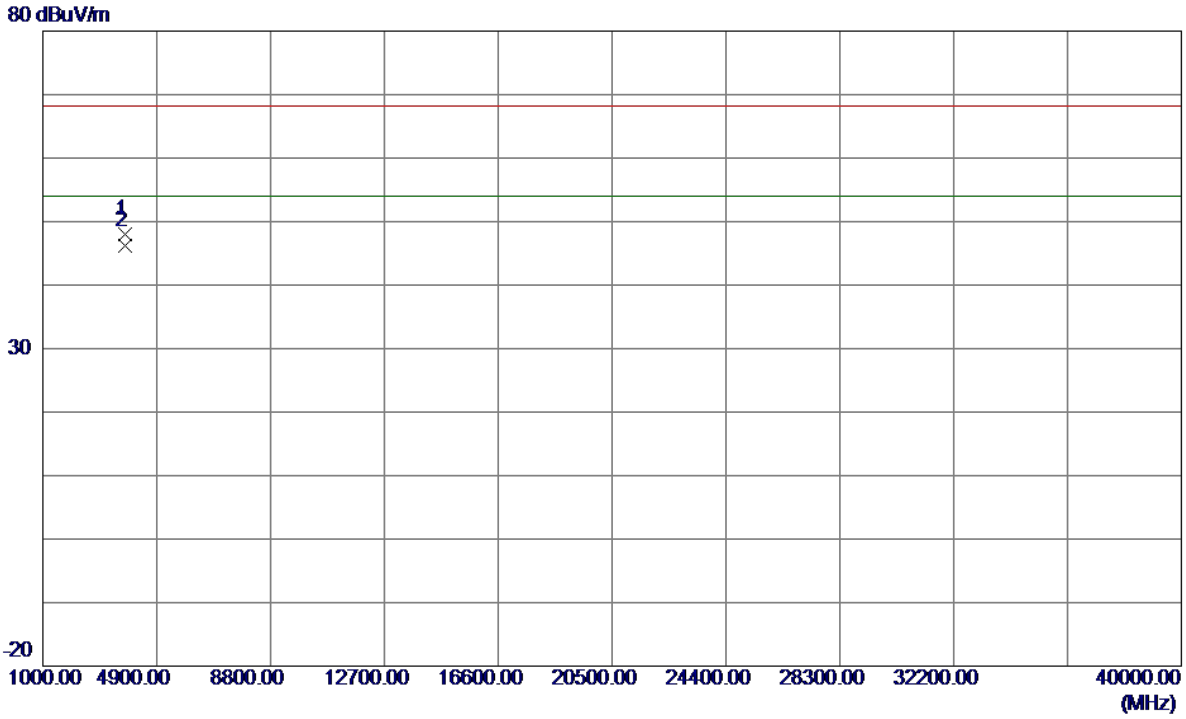


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	13.56	42.55	56.11	109.40	-53.29	Peak	
2	5715.0000	3.82	42.55	46.37	109.40	-63.03	AVG	
3	5725.0000	31.99	42.58	74.57	122.20	-47.63	Peak	
4	5725.0000	21.41	42.58	63.99	122.20	-58.21	AVG	
5	5746.6000	55.92	42.66	98.58	122.20	-23.62	AVG	
6 *	5746.9000	66.06	42.66	108.72	122.20	-13.48	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5745MHz

Vertical

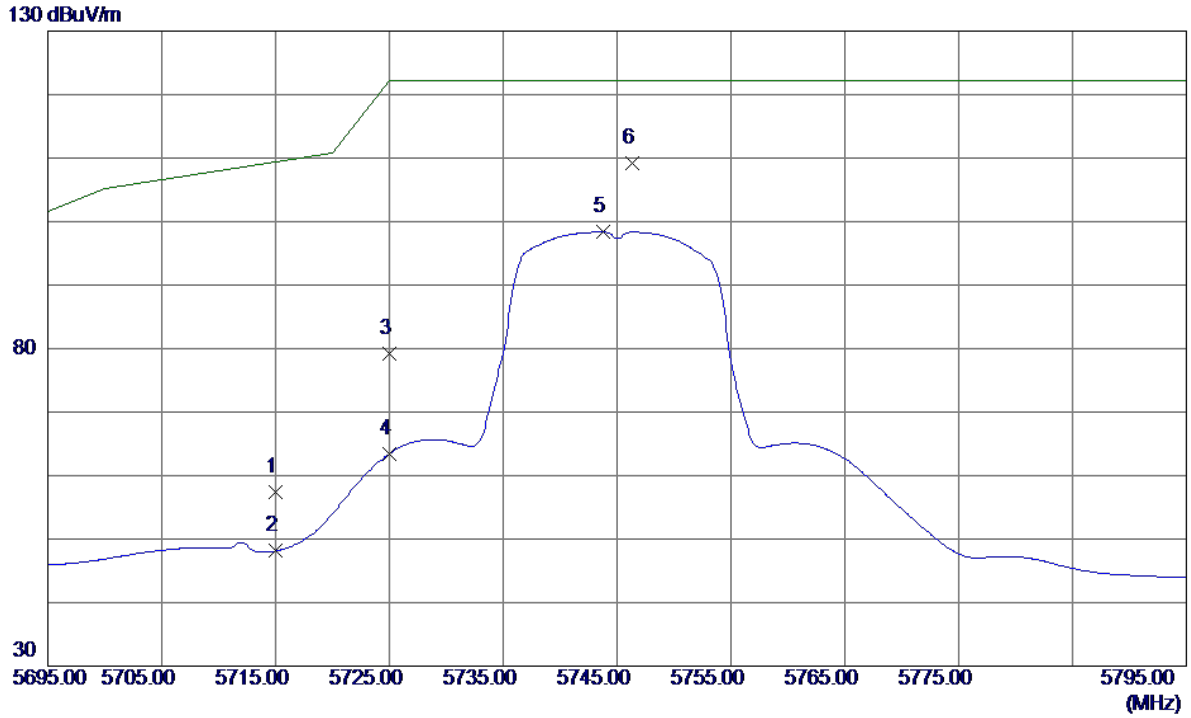


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3829.9400	46.39	1.58	47.97	68.30	-20.33	Peak	
2 *	3829.9800	44.58	1.58	46.16	54.00	-7.84	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5745MHz

Horizontal

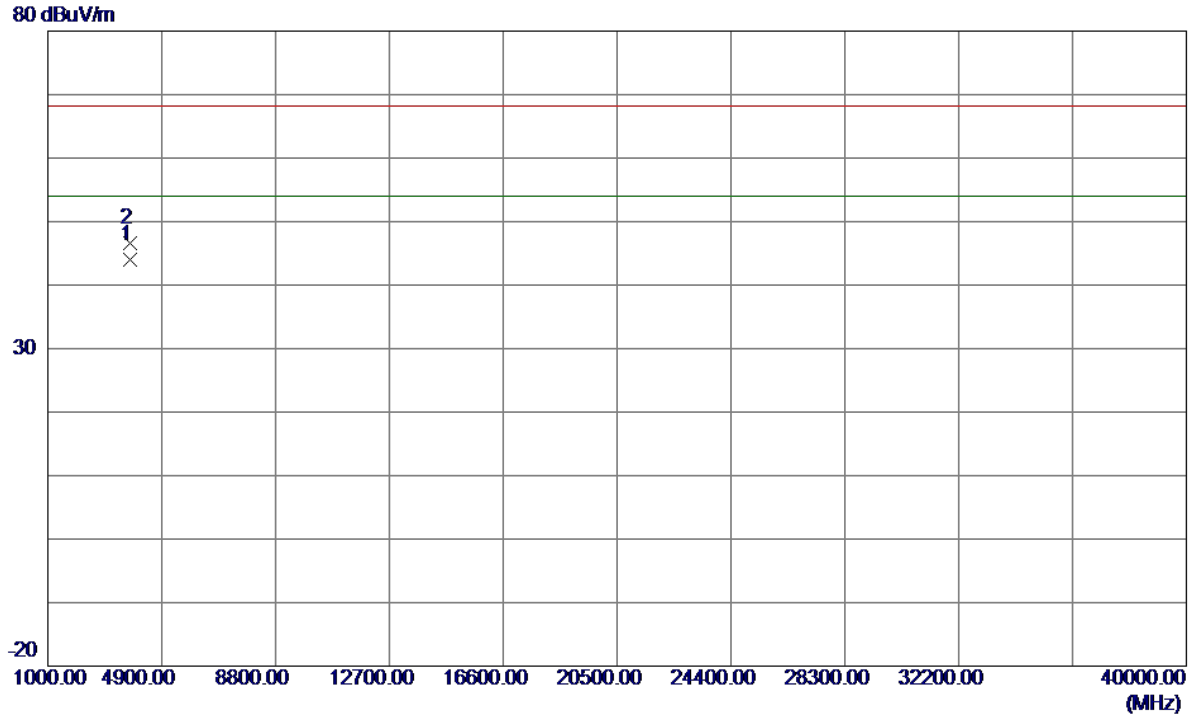


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	14.93	42.55	57.48	109.40	-51.92	Peak	
2	5715.0000	5.58	42.55	48.13	109.40	-61.27	AVG	
3	5725.0000	36.67	42.58	79.25	122.20	-42.95	Peak	
4	5725.0000	20.85	42.58	63.43	122.20	-58.77	AVG	
5	5743.8000	55.70	42.65	98.35	122.20	-23.85	AVG	
6 *	5746.3000	66.48	42.66	109.14	122.20	-13.06	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5745MHz

Horizontal

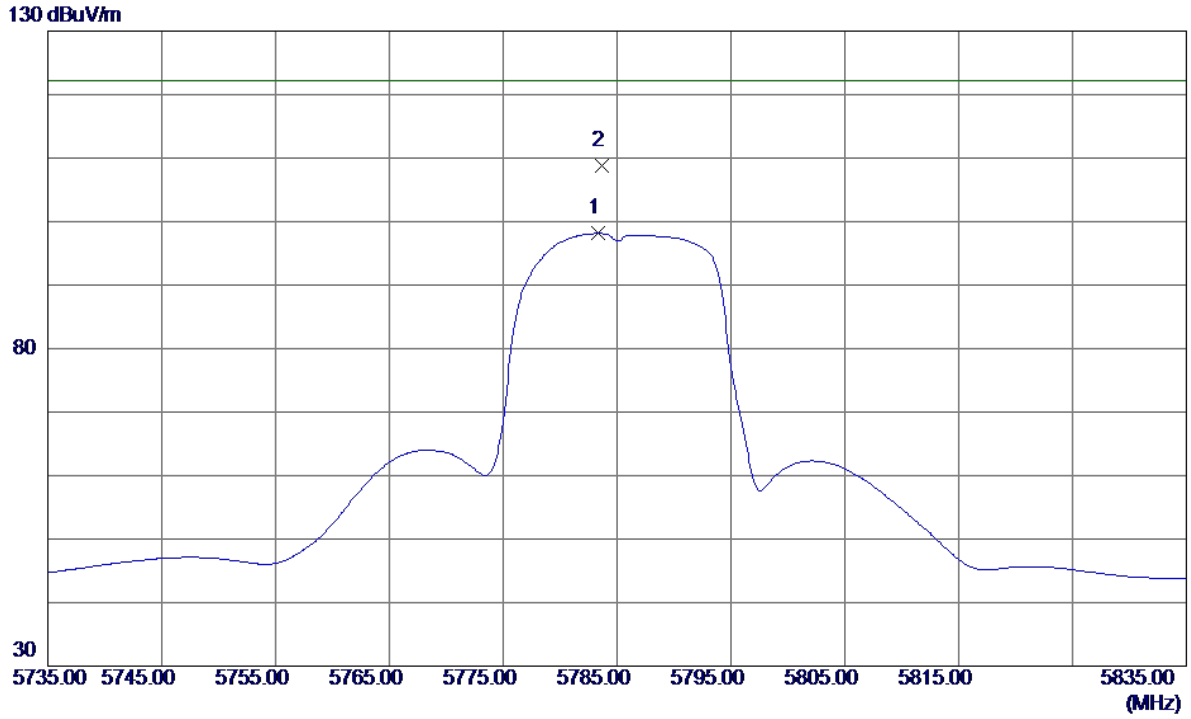


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3830.0000	42.43	1.58	44.01	54.00	-9.99	AVG	
2	3830.0350	45.06	1.58	46.64	68.30	-21.66	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5785MHz

Vertical

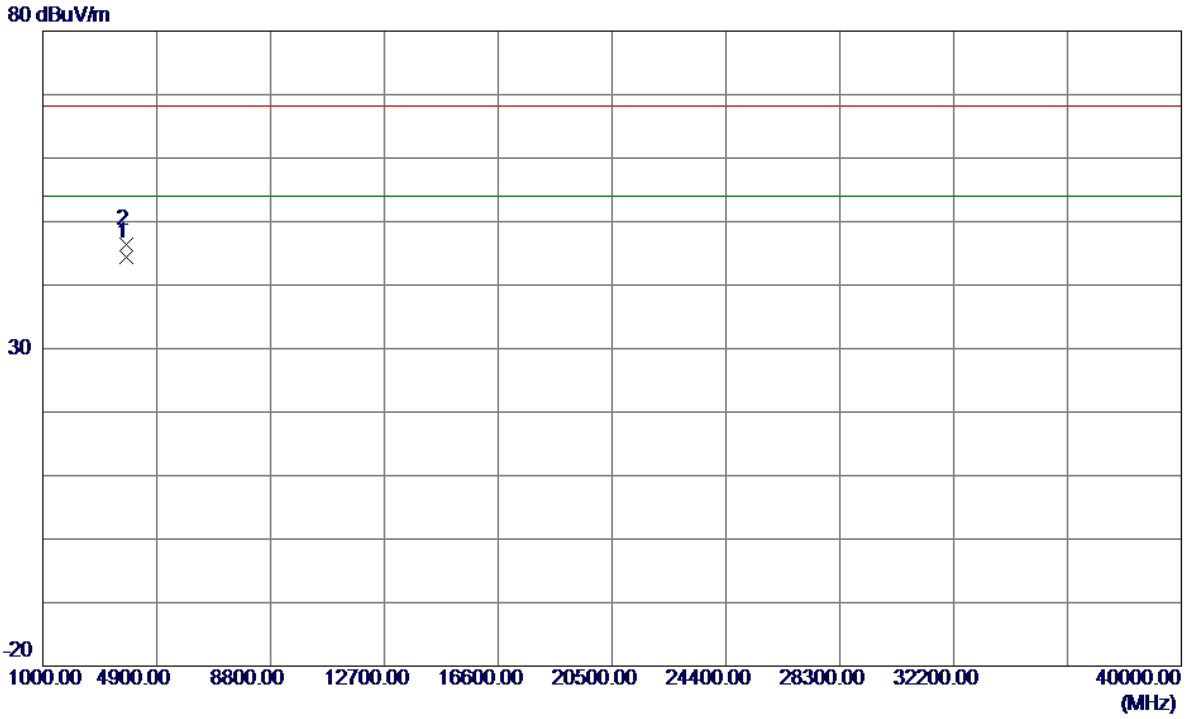


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5783.3000	55.32	42.79	98.11	122.20	-24.09	AVG	
2 *	5783.7000	65.99	42.79	108.78	122.20	-13.42	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5785MHz

Vertical

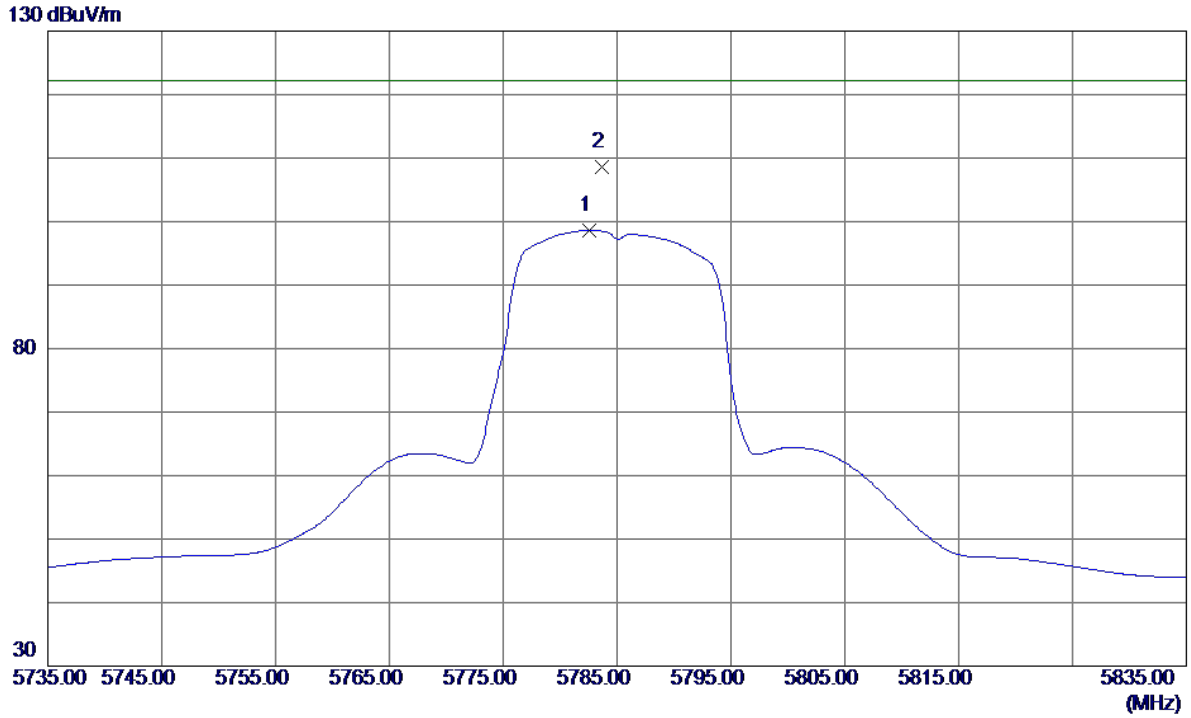


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3856.6700	42.75	1.66	44.41	54.00	-9.59	AVG	
2	3856.6900	44.83	1.66	46.49	68.30	-21.81	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5785MHz

Horizontal

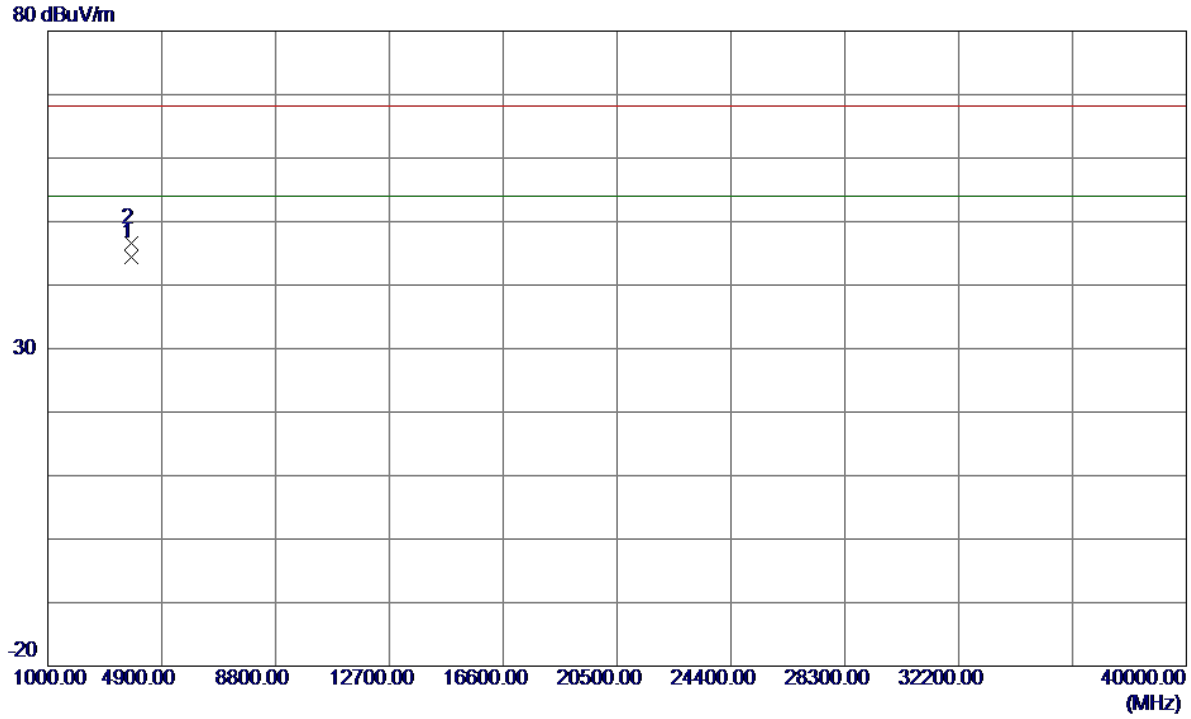


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5782.6000	55.81	42.79	98.60	122.20	-23.60	AVG	
2 *	5783.7000	65.87	42.79	108.66	122.20	-13.54	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5785MHz

Horizontal

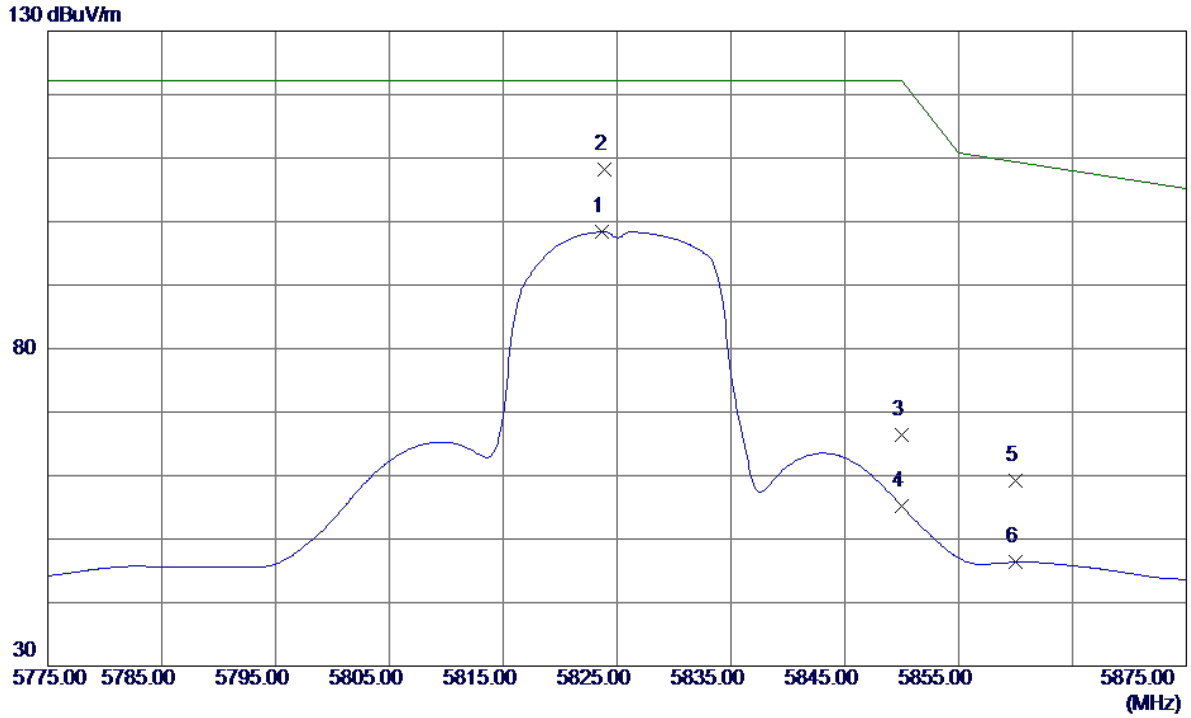


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3856.6750	42.69	1.66	44.35	54.00	-9.65	AVG	
2	3856.6800	44.85	1.66	46.51	68.30	-21.79	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5825MHz

Vertical

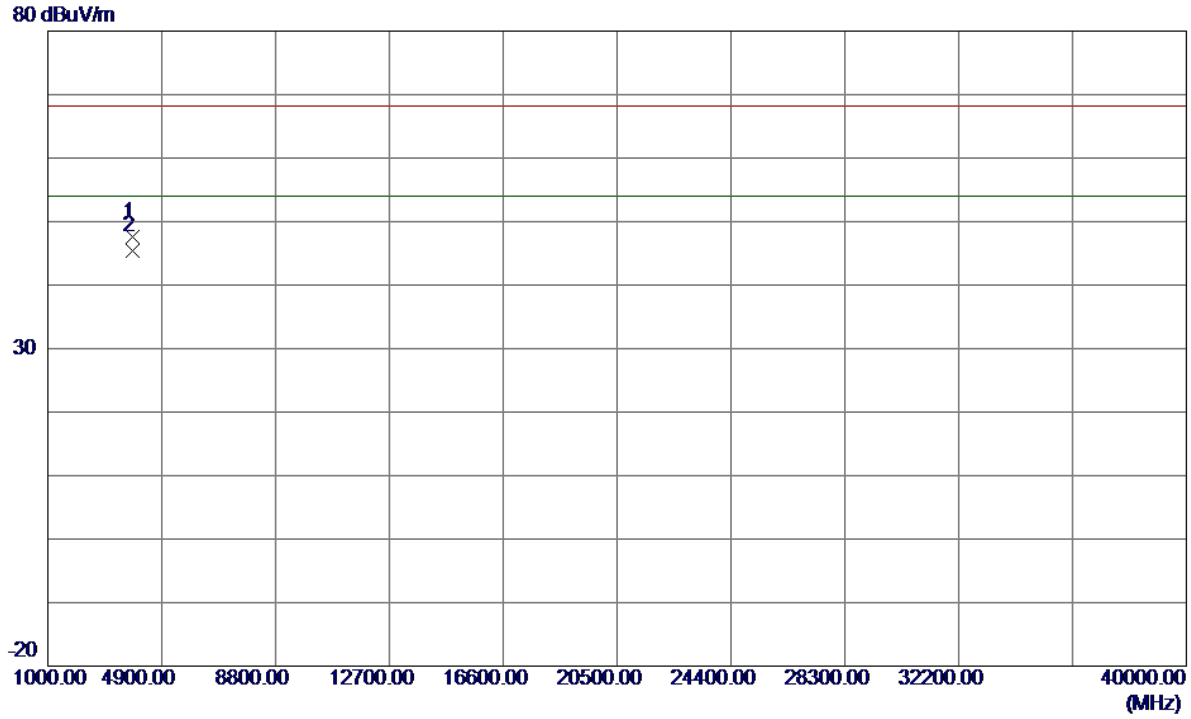


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5823.7000	55.48	42.93	98.41	122.20	-23.79	AVG	
2 *	5823.9000	65.26	42.93	108.19	122.20	-14.01	Peak	
3	5850.0000	23.29	43.03	66.32	122.20	-55.88	Peak	
4	5850.0000	12.14	43.03	55.17	122.20	-67.03	AVG	
5	5860.0000	16.07	43.06	59.13	109.40	-50.27	Peak	
6	5860.0000	3.32	43.06	46.38	109.40	-63.02	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5825MHz

Vertical

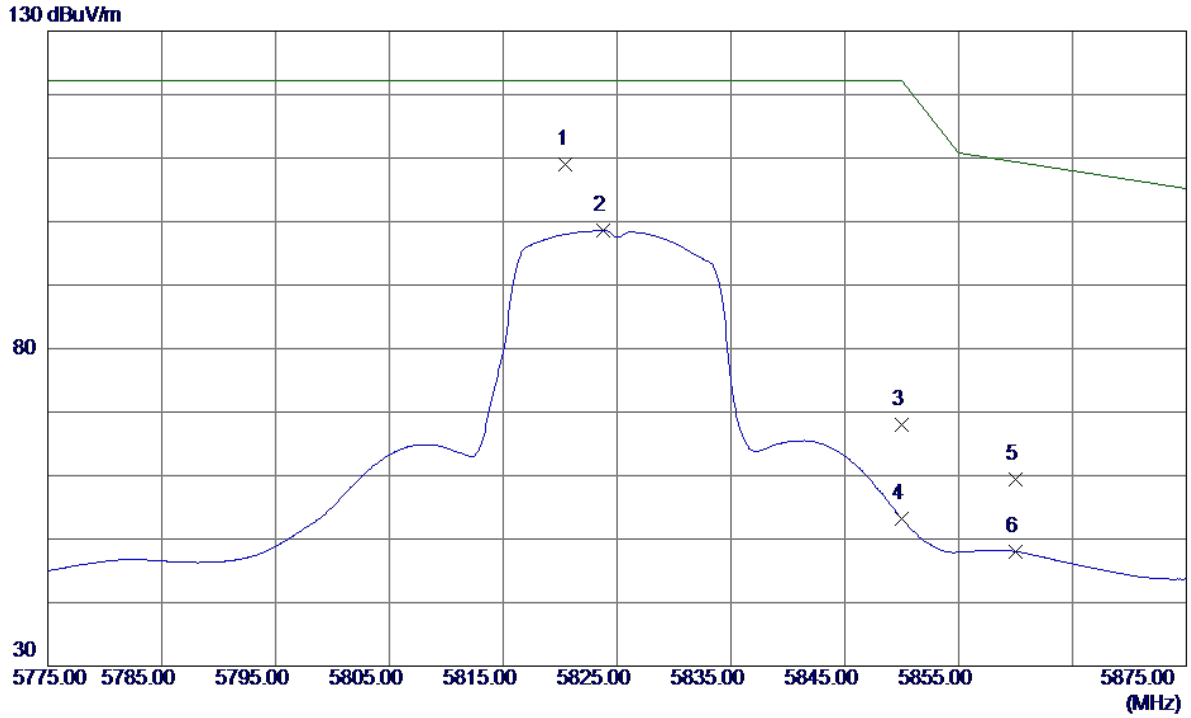


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.1800	45.86	1.74	47.60	68.30	-20.70	Peak	
2 *	3883.3100	43.56	1.75	45.31	54.00	-8.69	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5825MHz

Horizontal

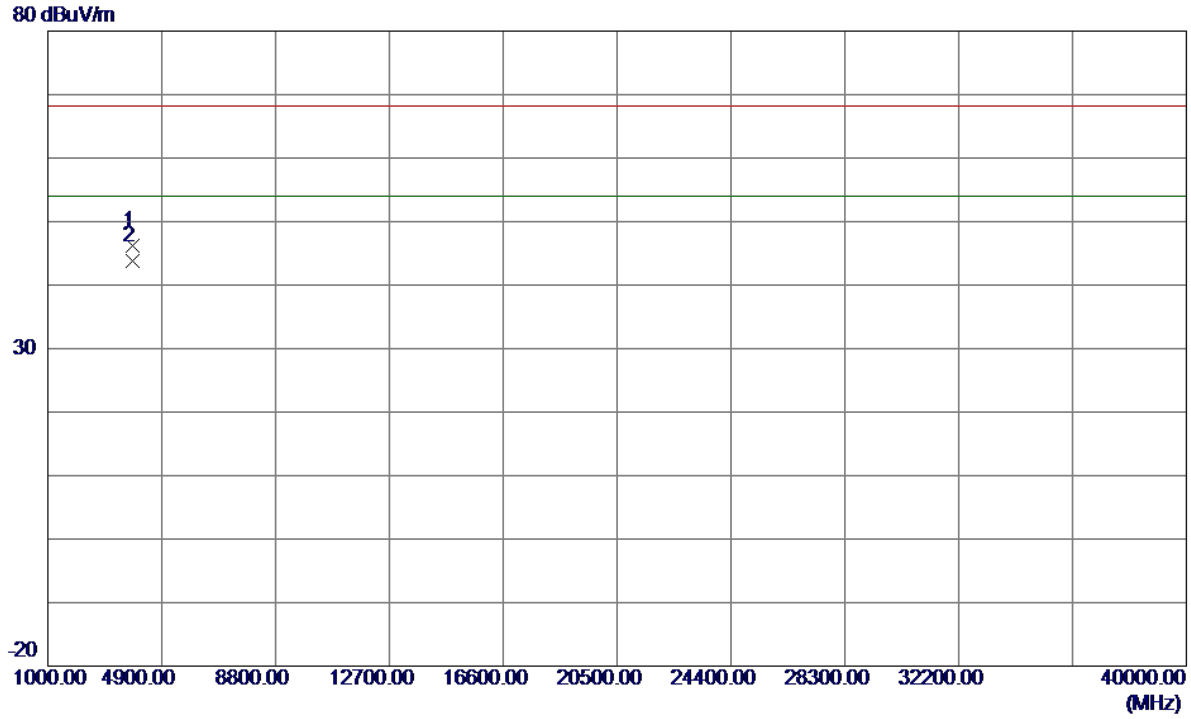


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5820.5000	66.14	42.92	109.06	122.20	-13.14	Peak	
2	5823.8000	55.64	42.93	98.57	122.20	-23.63	AVG	
3	5850.0000	25.02	43.03	68.05	122.20	-54.15	Peak	
4	5850.0000	10.21	43.03	53.24	122.20	-68.96	AVG	
5	5860.0000	16.41	43.06	59.47	109.40	-49.93	Peak	
6	5860.0000	4.95	43.06	48.01	109.40	-61.39	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave20 Mode 5825MHz

Horizontal

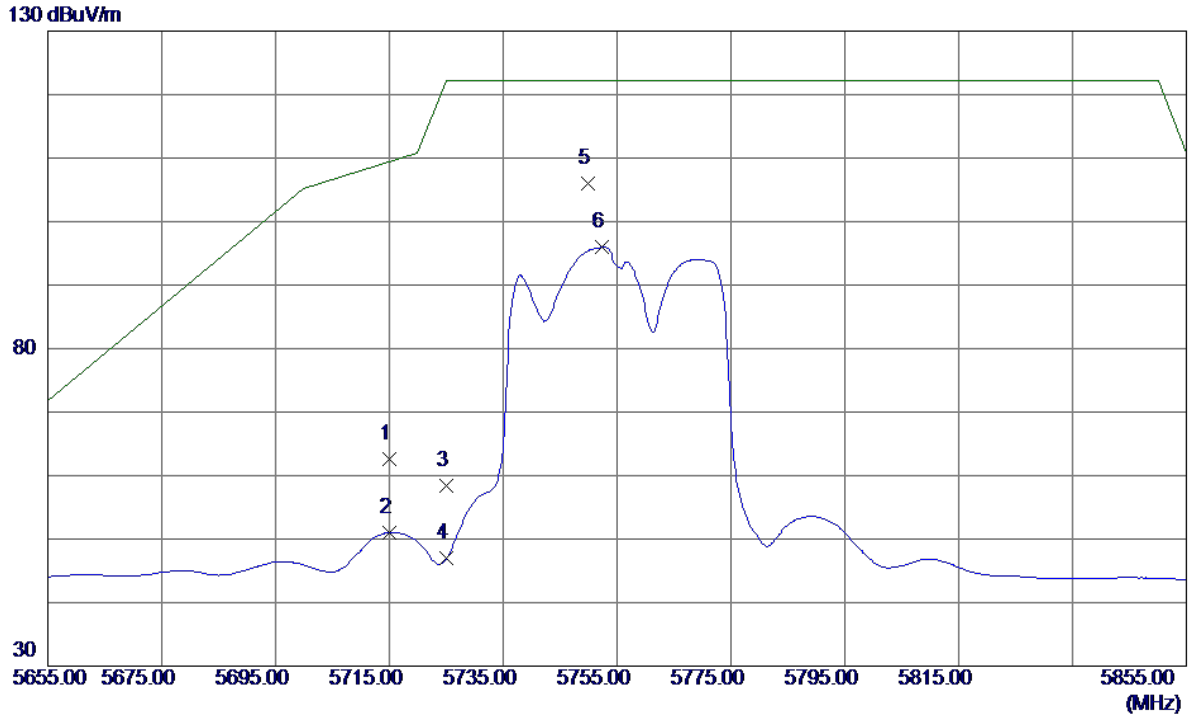


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3883.2650	44.52	1.75	46.27	68.30	-22.03	Peak	
2 *	3883.3450	42.03	1.75	43.78	54.00	-10.22	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave40 Mode 5755MHz

Vertical

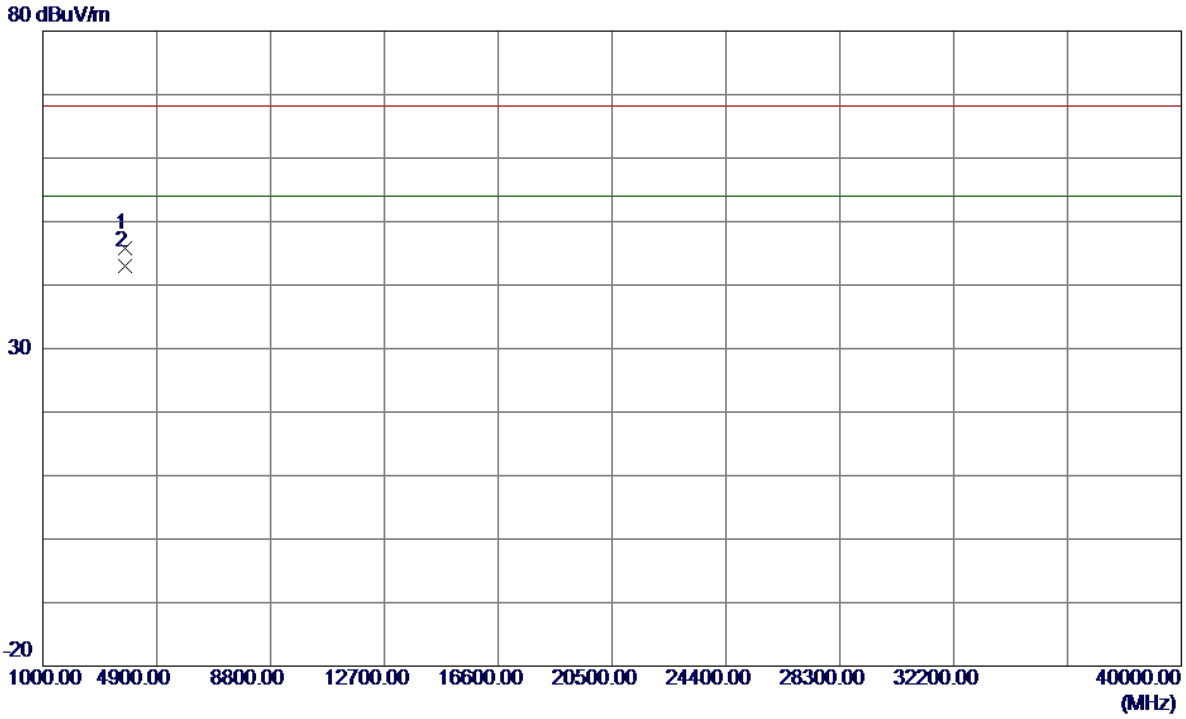


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	20.02	42.55	62.57	109.40	-46.83	Peak	
2	5715.0000	8.46	42.55	51.01	109.40	-58.39	AVG	
3	5725.0000	15.86	42.58	58.44	122.20	-63.76	Peak	
4	5725.0000	4.39	42.58	46.97	122.20	-75.23	AVG	
5 *	5749.8000	63.43	42.67	106.10	122.20	-16.10	Peak	
6	5752.4000	53.25	42.68	95.93	122.20	-26.27	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave40 Mode 5755MHz

Vertical

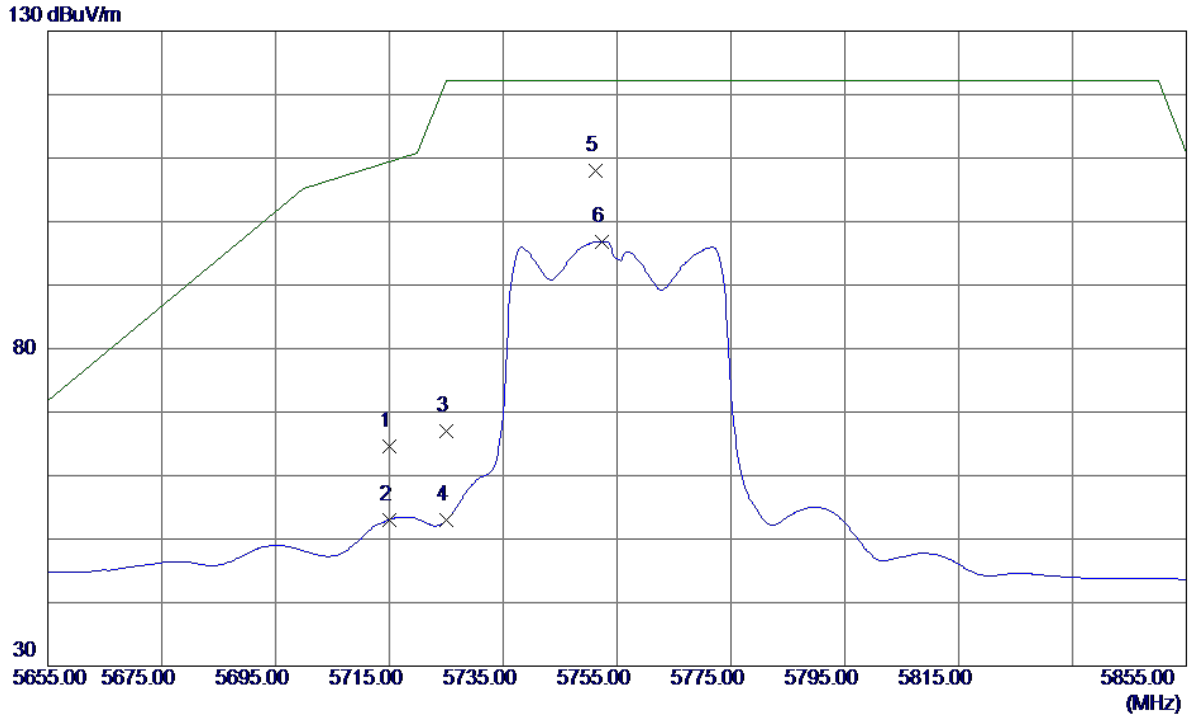


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3836.5800	44.11	1.60	45.71	68.30	-22.59	Peak	
2 *	3836.6100	41.48	1.60	43.08	54.00	-10.92	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave40 Mode 5755MHz

Horizontal

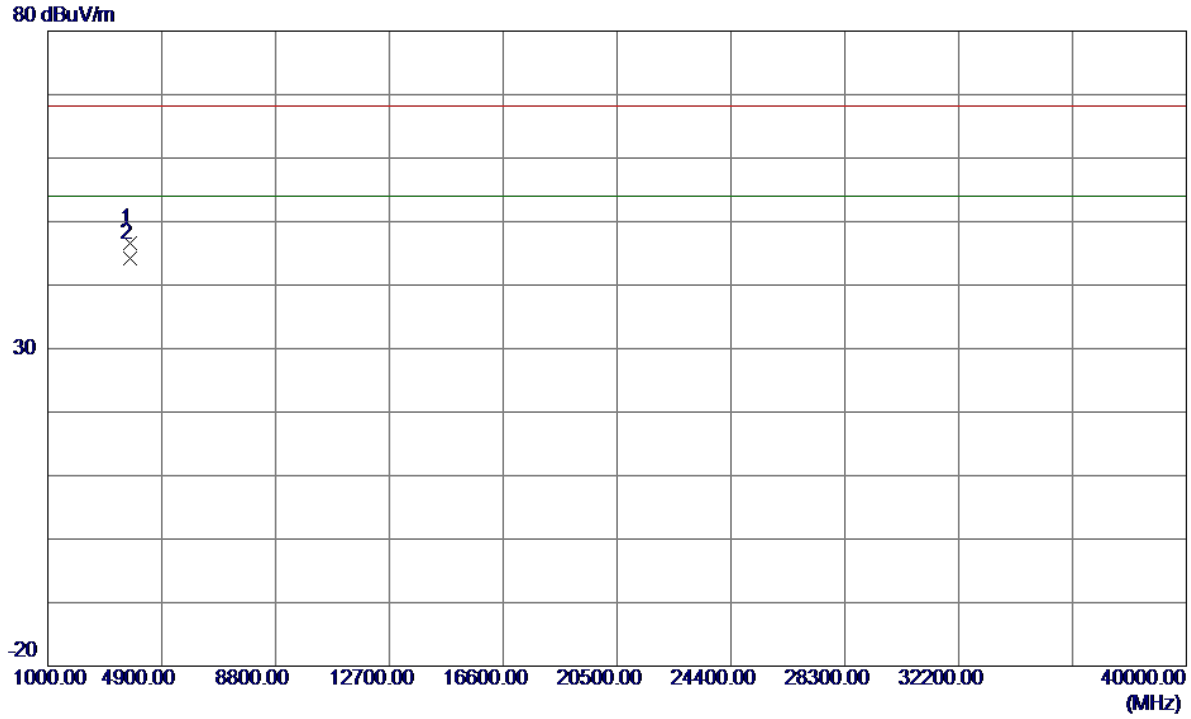


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	21.98	42.55	64.53	109.40	-44.87	Peak	
2	5715.0000	10.51	42.55	53.06	109.40	-56.34	AVG	
3	5725.0000	24.38	42.58	66.96	122.20	-55.24	Peak	
4	5725.0000	10.38	42.58	52.96	122.20	-69.24	AVG	
5 *	5751.2000	65.29	42.67	107.96	122.20	-14.24	Peak	
6	5752.4000	54.21	42.68	96.89	122.20	-25.31	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave40 Mode 5755MHz

Horizontal

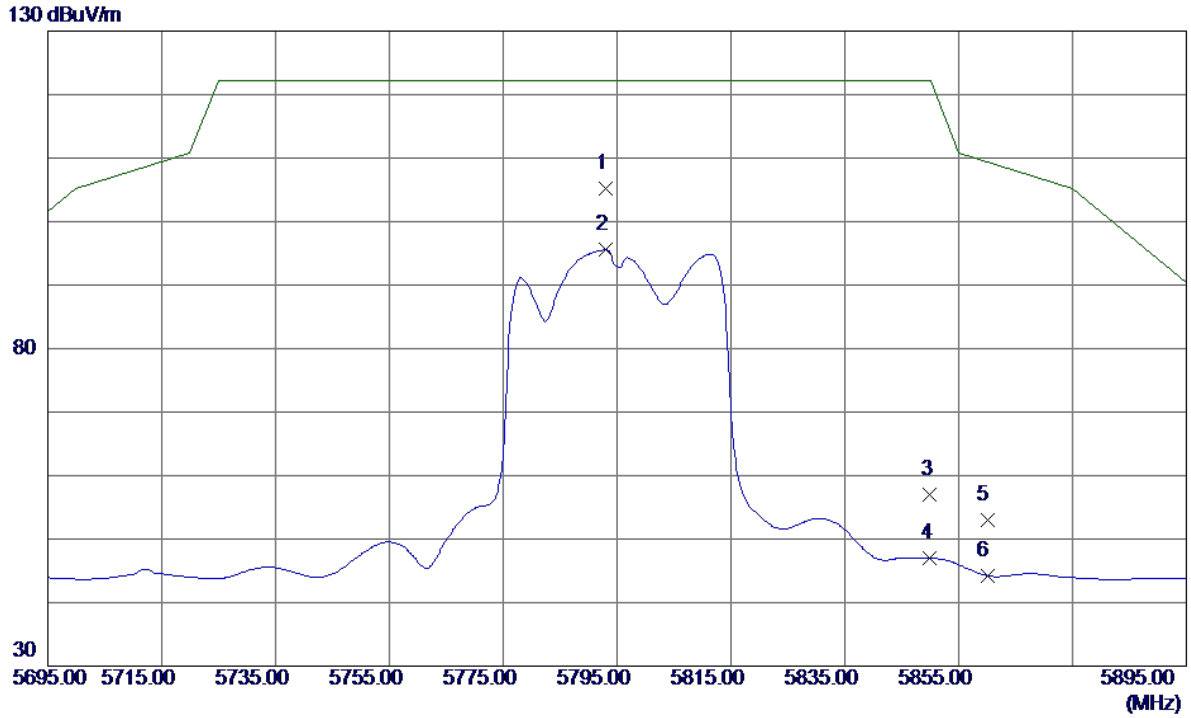


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3836.6350	44.97	1.60	46.57	68.30	-21.73	Peak	
2 *	3836.6700	42.55	1.60	44.15	54.00	-9.85	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave40 Mode 5795MHz

Vertical

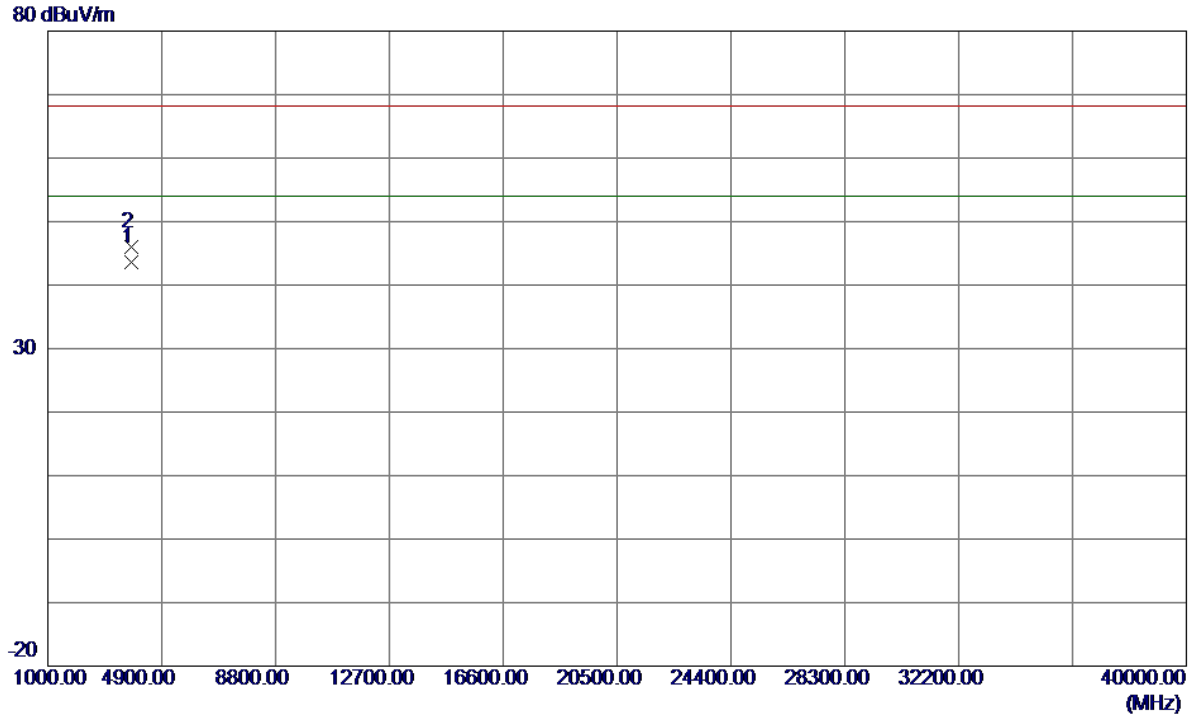


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5793.0000	62.44	42.82	105.26	122.20	-16.94	Peak	
2	5793.0000	52.70	42.82	95.52	122.20	-26.68	AVG	
3	5850.0000	13.89	43.03	56.92	122.20	-65.28	Peak	
4	5850.0000	3.99	43.03	47.02	122.20	-75.18	AVG	
5	5860.0000	9.90	43.06	52.96	109.40	-56.44	Peak	
6	5860.0000	1.18	43.06	44.24	109.40	-65.16	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave40 Mode 5795MHz

Vertical

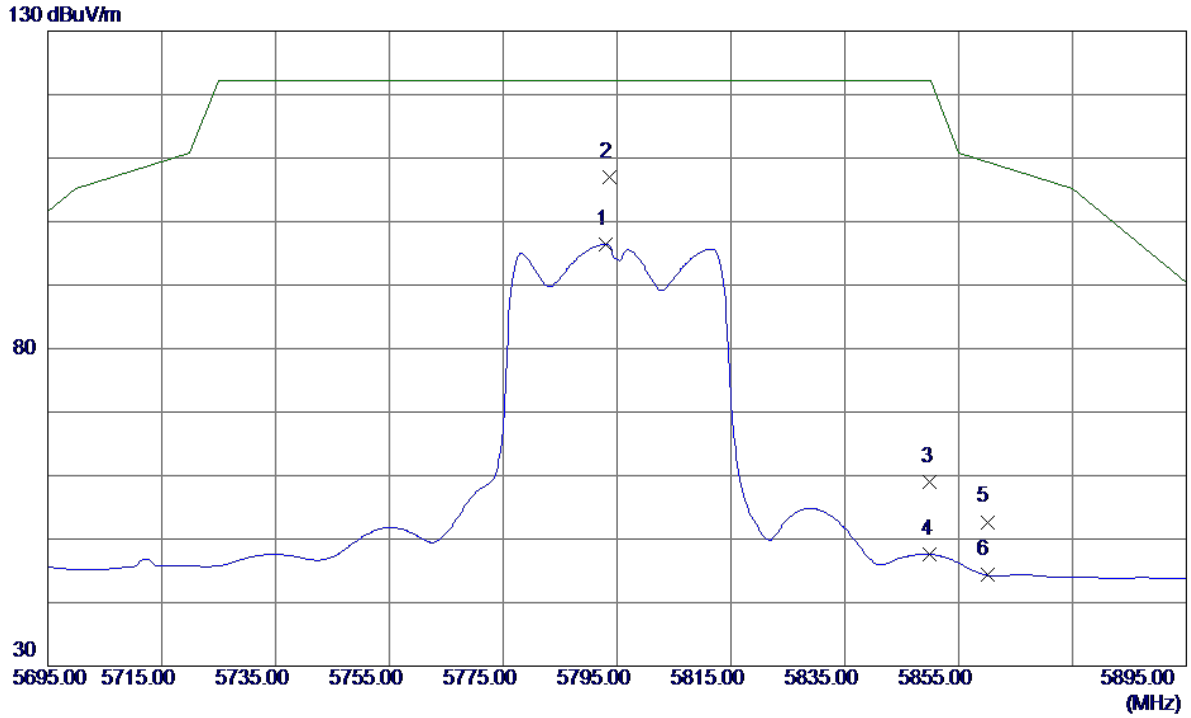


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3863.3350	41.83	1.68	43.51	54.00	-10.49	AVG	
2	3863.4700	44.32	1.68	46.00	68.30	-22.30	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave40 Mode 5795MHz

Horizontal

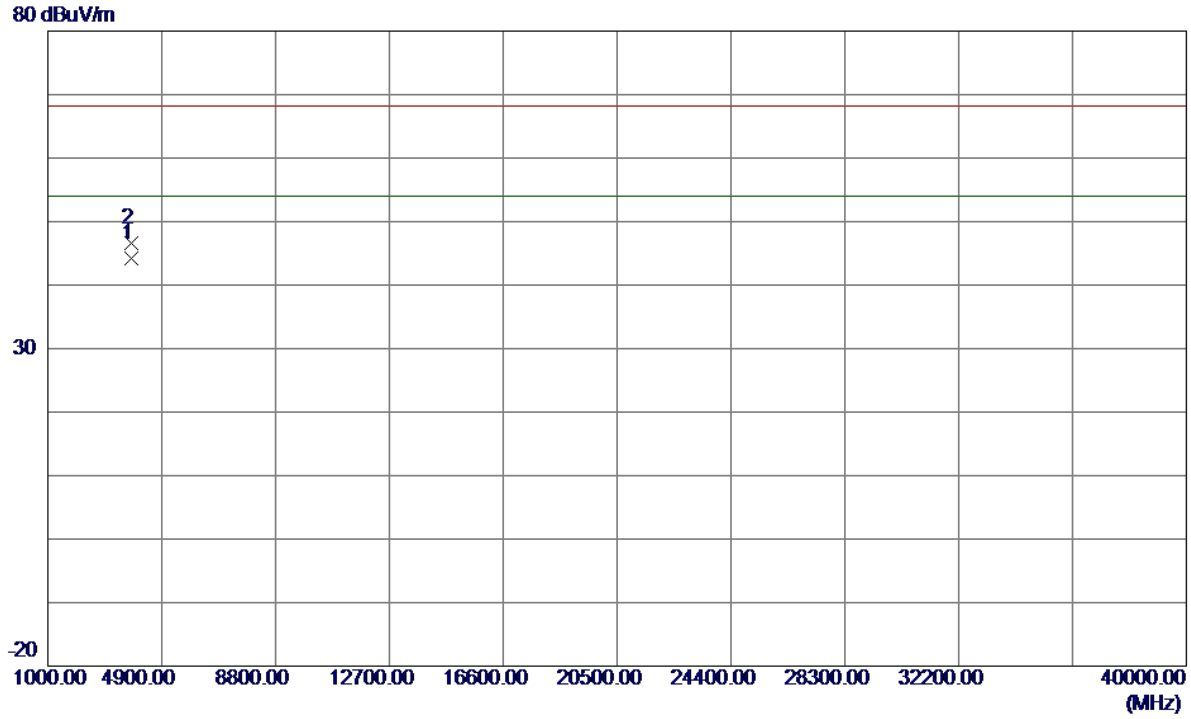


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5793.0000	53.56	42.82	96.38	122.20	-25.82	AVG	
2 *	5793.6000	64.09	42.83	106.92	122.20	-15.28	Peak	
3	5850.0000	16.00	43.03	59.03	122.20	-63.17	Peak	
4	5850.0000	4.56	43.03	47.59	122.20	-74.61	AVG	
5	5860.0000	9.64	43.06	52.70	109.40	-56.70	Peak	
6	5860.0000	1.25	43.06	44.31	109.40	-65.09	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave40 Mode 5795MHz

Horizontal

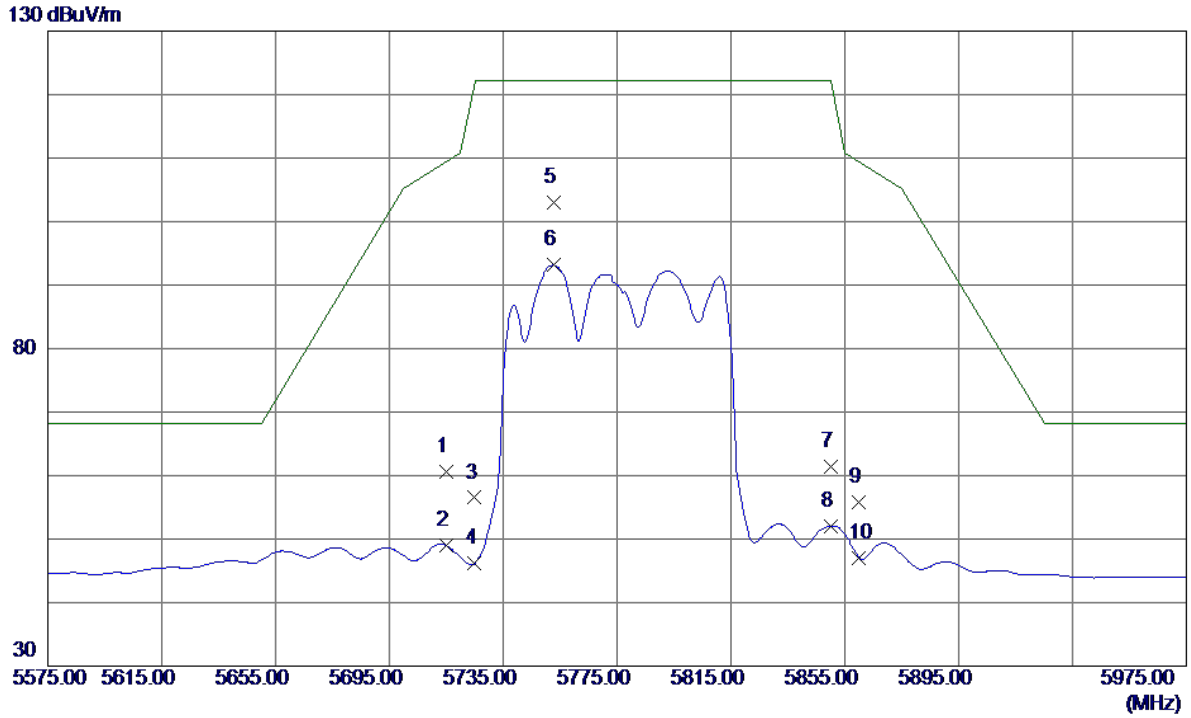


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3863.3000	42.60	1.68	44.28	54.00	-9.72	AVG	
2	3863.3400	44.83	1.68	46.51	68.30	-21.79	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave80 Mode 5775MHz

Vertical

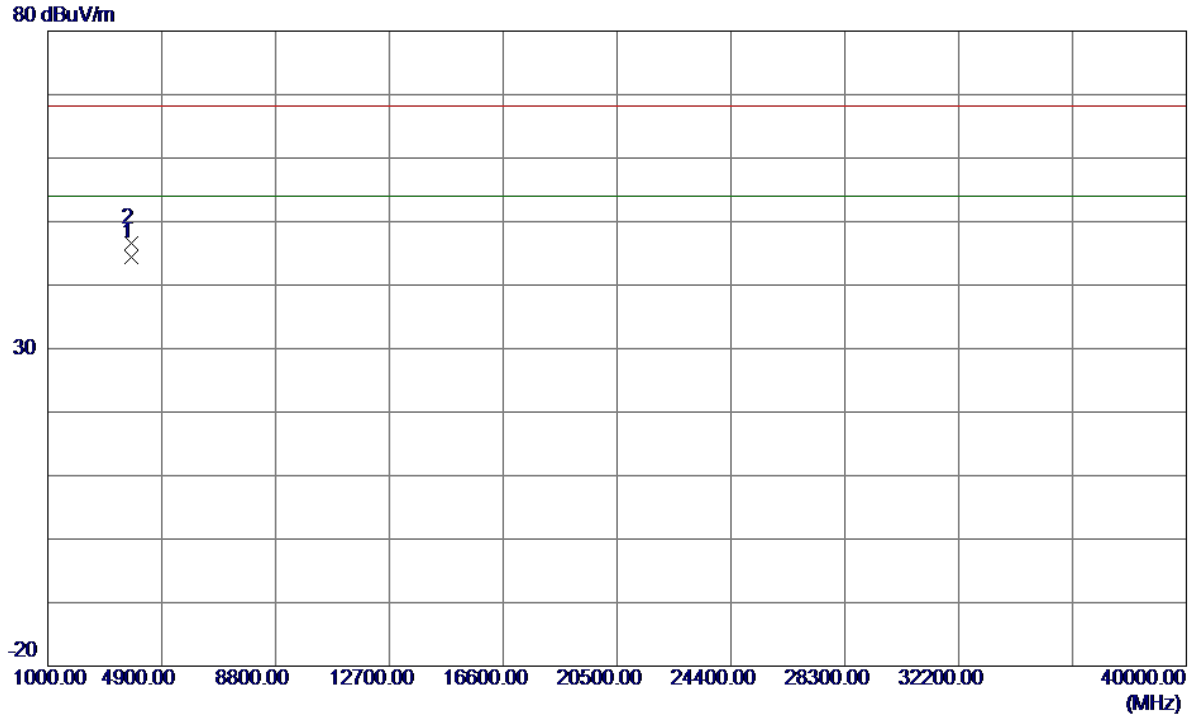


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	17.97	42.55	60.52	109.40	-48.88	Peak	
2	5715.0000	6.37	42.55	48.92	109.40	-60.48	AVG	
3	5725.0000	13.92	42.58	56.50	122.20	-65.70	Peak	
4	5725.0000	3.62	42.58	46.20	122.20	-76.00	AVG	
5 *	5752.6000	60.25	42.68	102.93	122.20	-19.27	Peak	
6	5752.6000	50.46	42.68	93.14	122.20	-29.06	AVG	
7	5850.0000	18.43	43.03	61.46	122.20	-60.74	Peak	
8	5850.0000	9.04	43.03	52.07	122.20	-70.13	AVG	
9	5860.0000	12.67	43.06	55.73	109.40	-53.67	Peak	
10	5860.0000	3.99	43.06	47.05	109.40	-62.35	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave80 Mode 5775MHz

Vertical

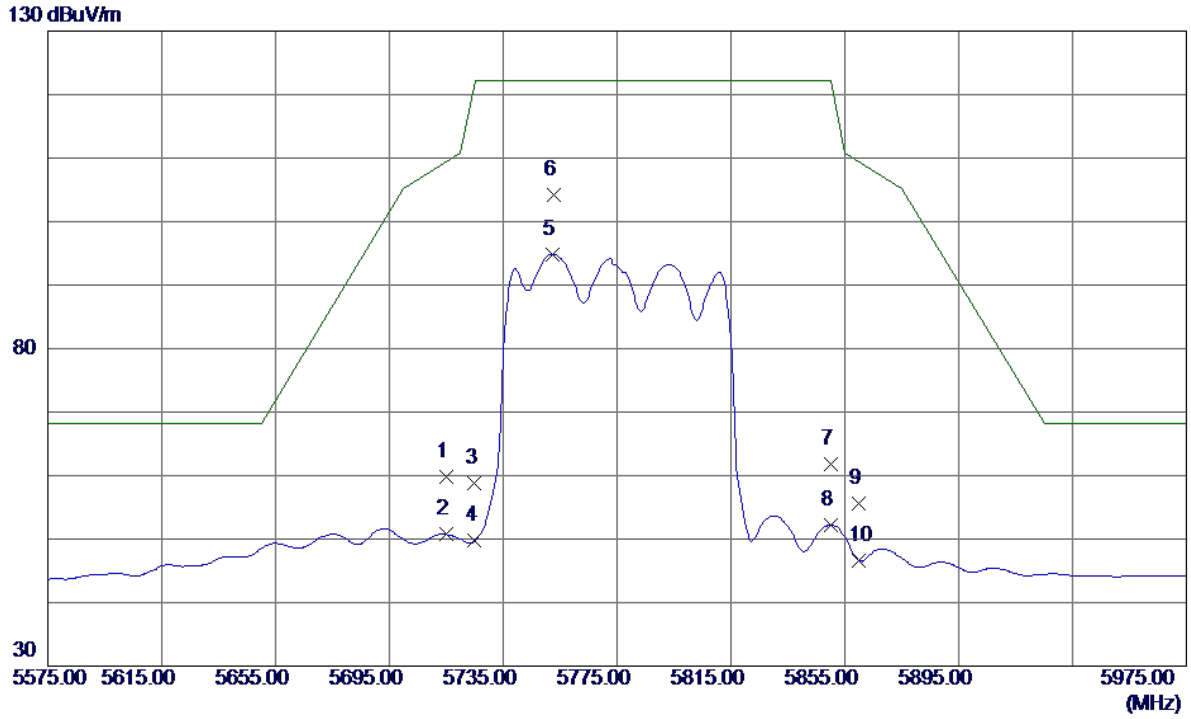


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	3849.9750	42.70	1.64	44.34	54.00	-9.66	AVG	
2	3850.0000	45.02	1.64	46.66	68.30	-21.64	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave80 Mode 5775MHz

Horizontal

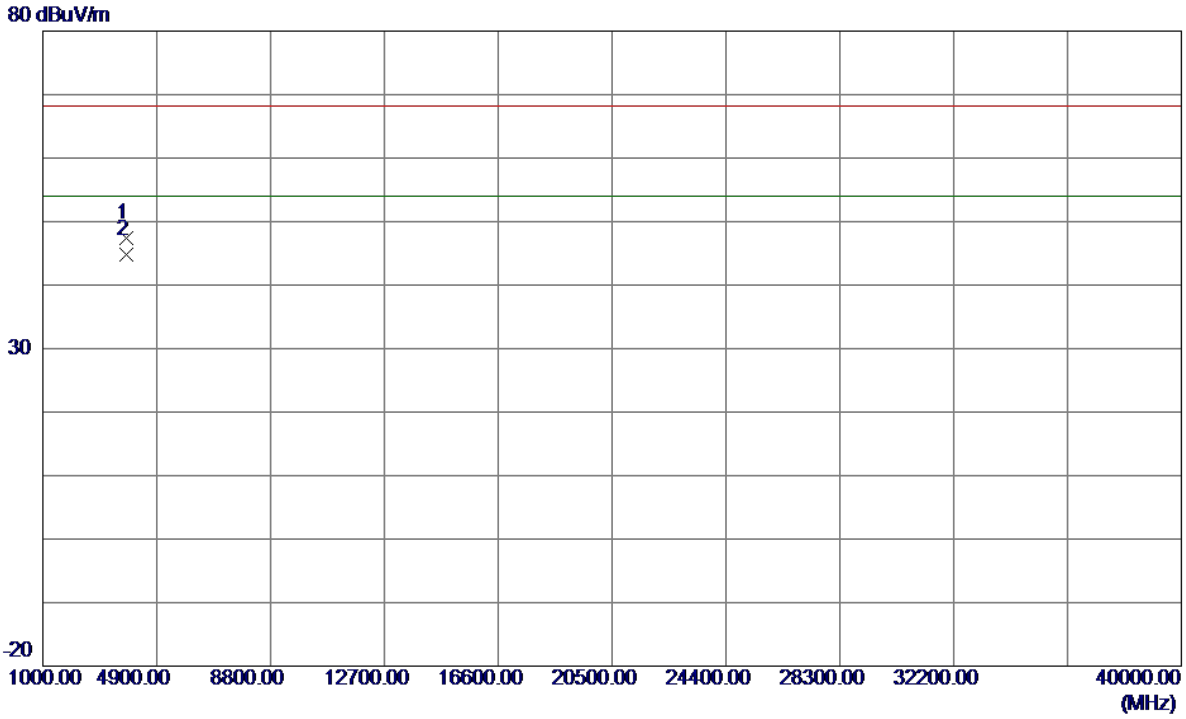


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	17.30	42.55	59.85	109.40	-49.55	Peak	
2	5715.0000	8.16	42.55	50.71	109.40	-58.69	AVG	
3	5725.0000	16.27	42.58	58.85	122.20	-63.35	Peak	
4	5725.0000	7.13	42.58	49.71	122.20	-72.49	AVG	
5	5752.2000	52.19	42.68	94.87	122.20	-27.33	AVG	
6 *	5752.6000	61.58	42.68	104.26	122.20	-17.94	Peak	
7	5850.0000	18.80	43.03	61.83	122.20	-60.37	Peak	
8	5850.0000	9.17	43.03	52.20	122.20	-70.00	AVG	
9	5860.0000	12.49	43.06	55.55	109.40	-53.85	Peak	
10	5860.0000	3.53	43.06	46.59	109.40	-62.81	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC Wave80 Mode 5775MHz

Horizontal



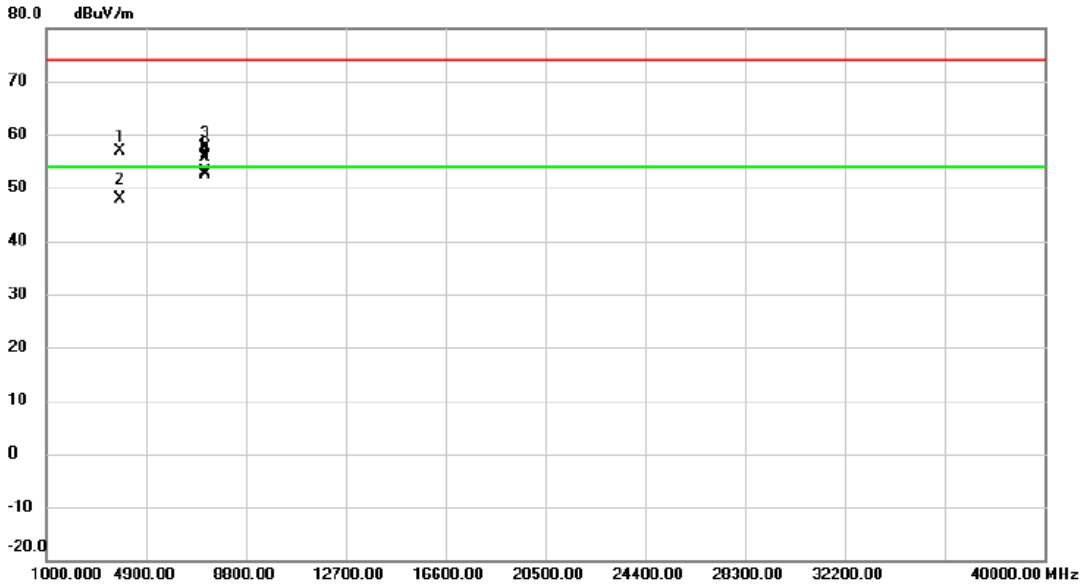
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3850.0000	45.77	1.64	47.41	68.30	-20.89	Peak	
2 *	3850.0050	43.21	1.64	44.85	54.00	-9.15	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

The worst case of simultaneous transmission:

Test Mode:	TX LE 1Mbps 2402 + WLAN 2.4G B Mode 2412 + WLAN 5G A Mode 5825MHz

Vertical

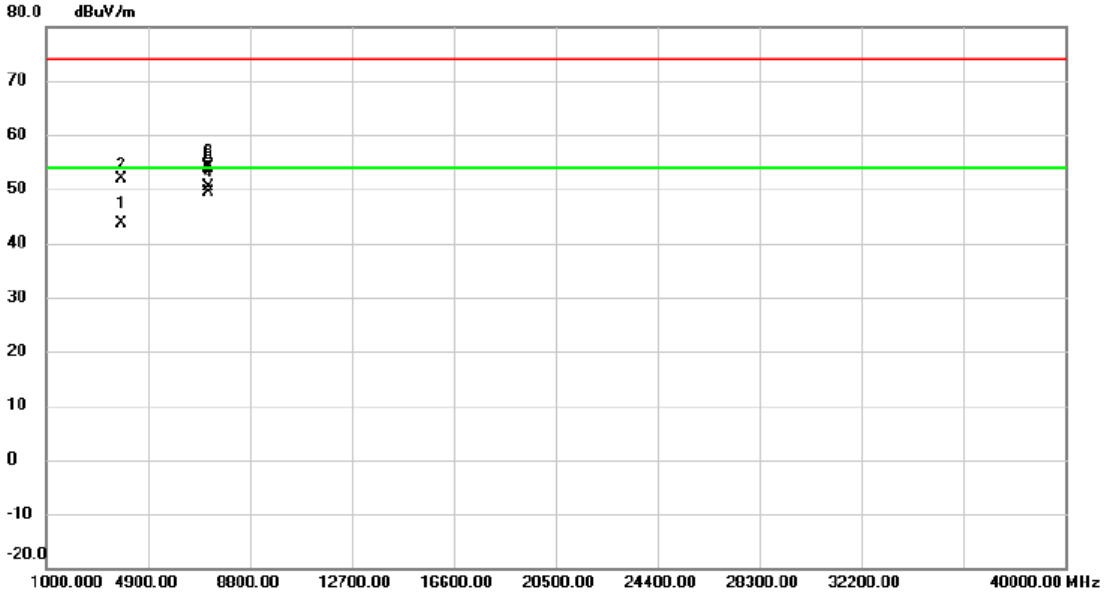


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		3882.854	54.47	2.32	56.79	74.00	-17.21	peak	
2		3883.413	45.57	2.32	47.89	54.00	-6.11	AVG	
3		7205.475	48.52	9.16	57.68	74.00	-16.32	peak	
4		7206.123	43.25	9.16	52.41	54.00	-1.59	AVG	
5	*	7236.417	43.62	9.20	52.82	54.00	-1.18	AVG	
6		7236.610	46.54	9.20	55.74	74.00	-18.26	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX LE 1Mbps 2402 + WLAN 2.4G B Mode 2412 + WLAN 5G A Mode 5825MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		3883.144	41.24	2.32	43.56	54.00	-10.44	AVG	
2		3883.415	49.54	2.32	51.86	74.00	-22.14	peak	
3		7205.251	45.25	9.16	54.41	74.00	-19.59	peak	
4		7205.356	40.24	9.16	49.40	54.00	-4.60	AVG	
5	*	7236.140	41.24	9.20	50.44	54.00	-3.56	AVG	
6		7236.478	44.64	9.20	53.84	74.00	-20.16	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

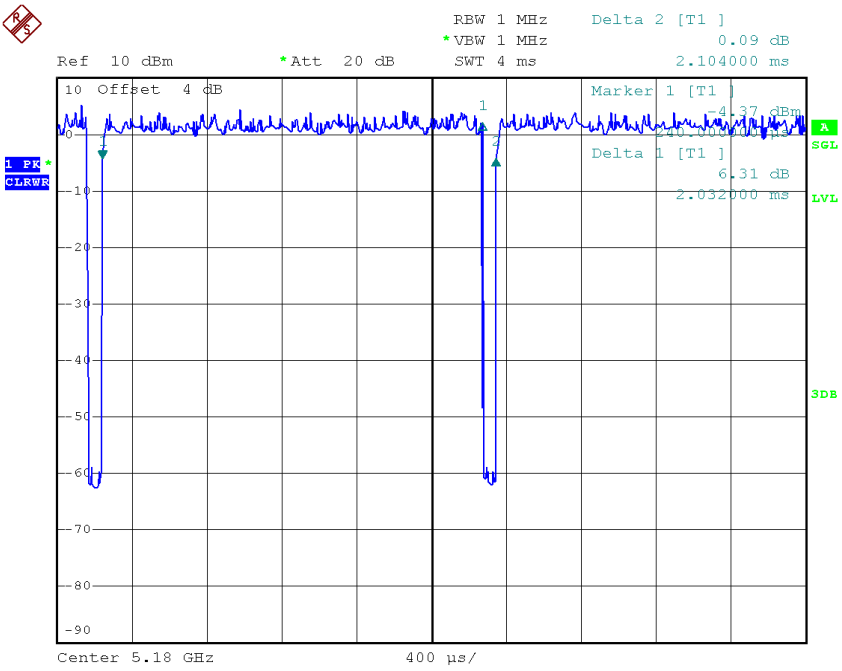
T_{ON}: 2.03 msec

T_{Total}: 2.10 msec

Duty cycle: 96.67%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.15



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor

TX N20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

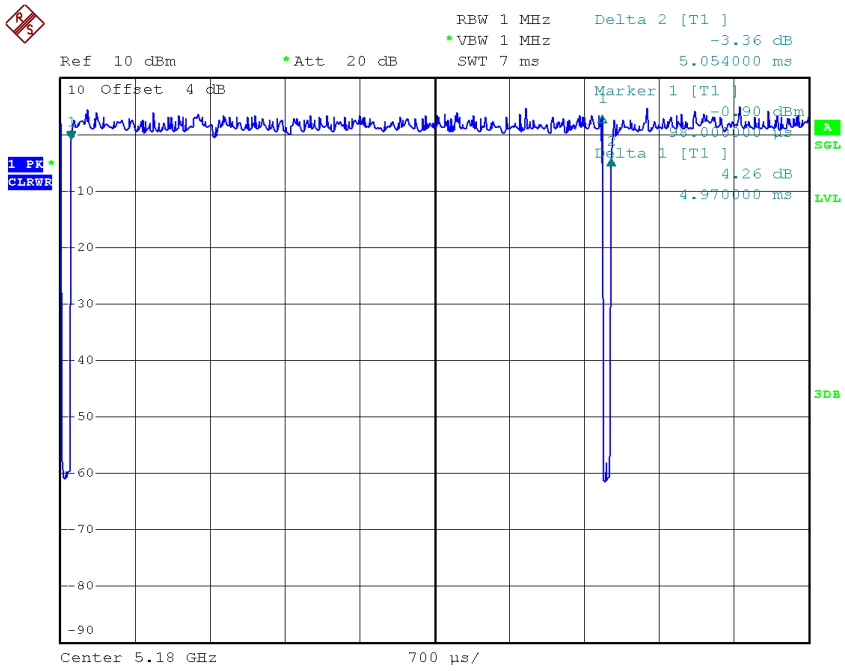
T_{ON}: 4.97 msec

T_{Total}: 5.05 msec

Duty cycle: 98.42%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.07



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor

TX N40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

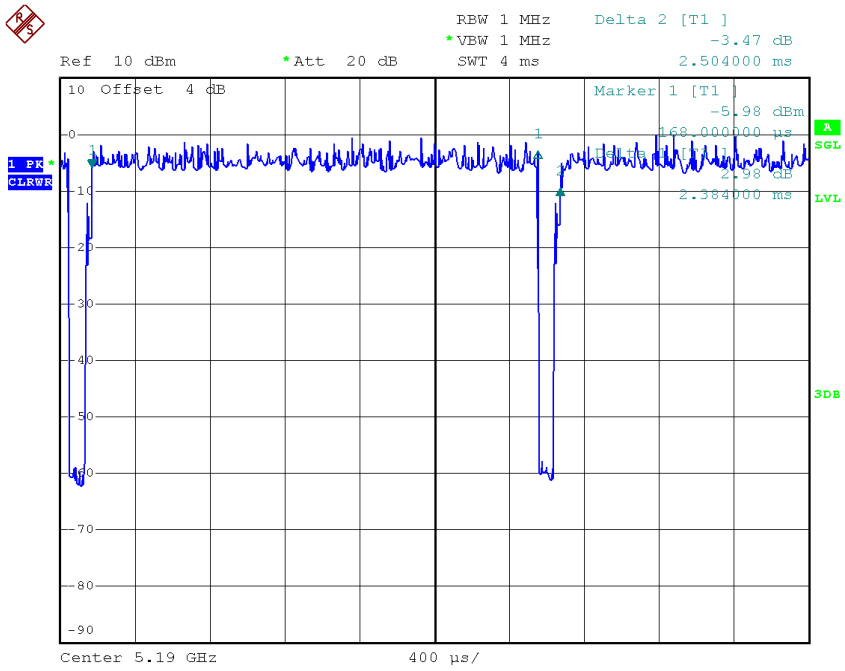
T_{ON}: 2.38 msec

T_{Total}: 2.50 msec

Duty cycle: 95.20%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.21



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor

TX AC Wave20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

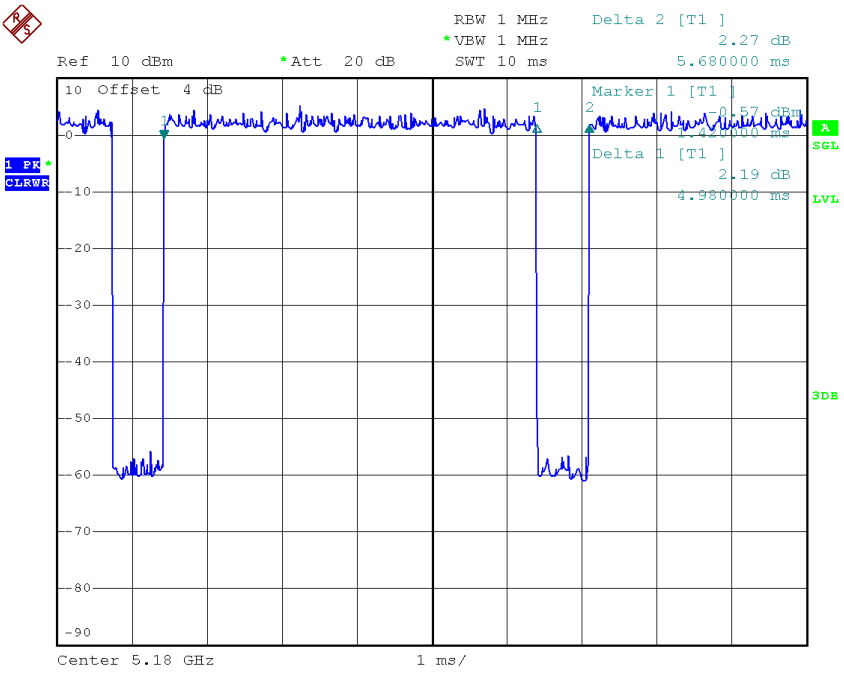
T_{ON}: 4.98 msec

T_{Total}: 5.68 msec

Duty cycle: 87.68%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.57



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor

TX AC Wave40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

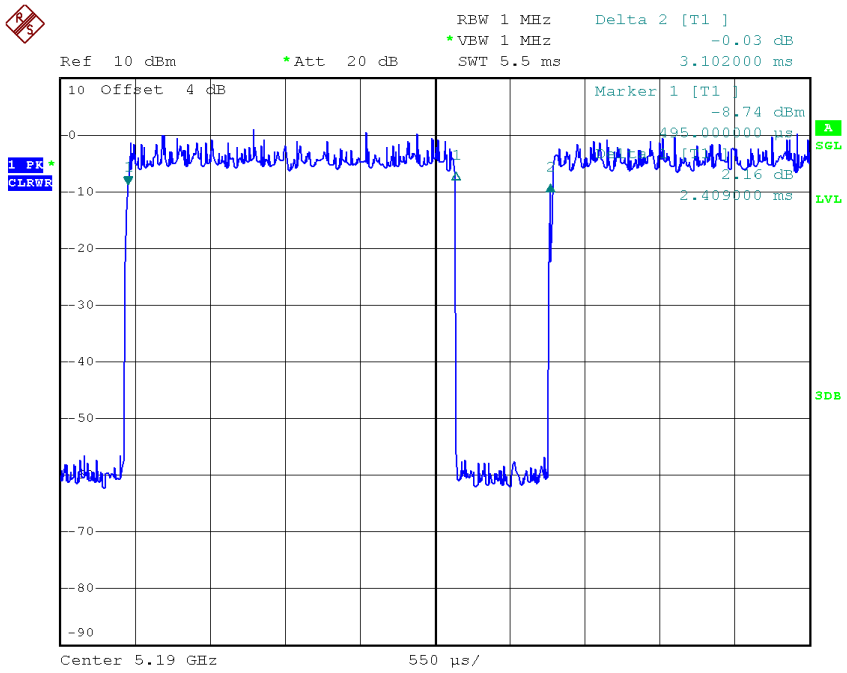
T_{ON}: 2.41 msec

T_{Total}: 3.10 msec

Duty cycle: 77.74%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 1.09



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor

TX AC Wave80 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

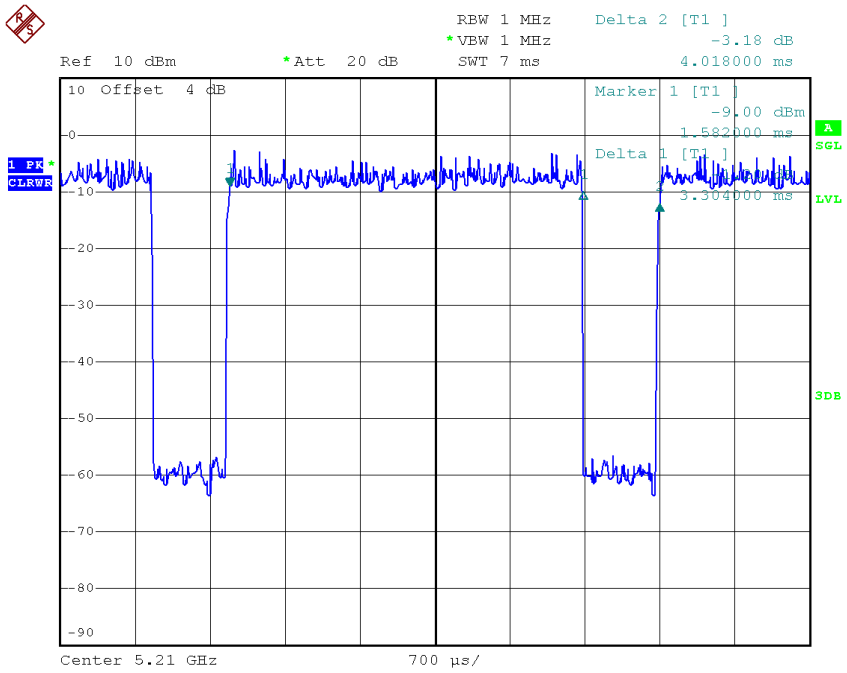
T_{ON}: 3.30 msec

T_{Total}: 4.02 msec

Duty cycle: 82.09%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.86



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as

Output Power = Measured power + Duty factor

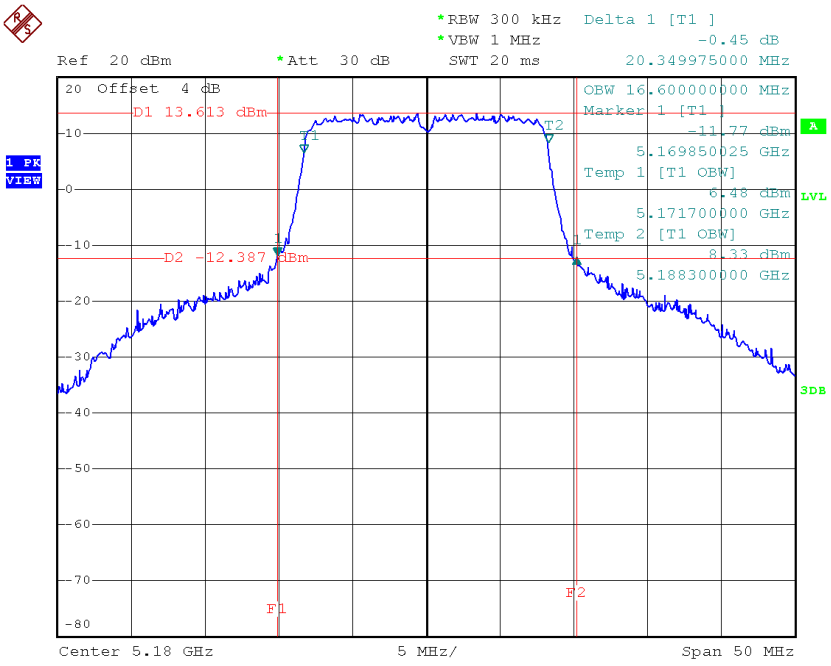
Power Spectral Density = Measured density + Duty factor

APPENDIX E - BANDWIDTH

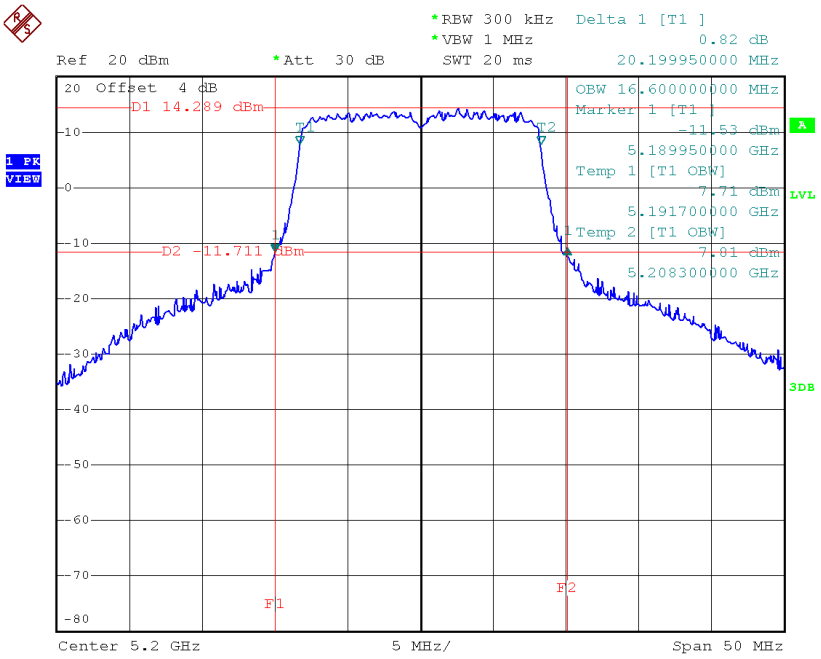
Test Mode: UNII-1/TX A Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	20.35	16.60
CH40	5200	20.20	16.60
CH48	5240	19.80	16.60

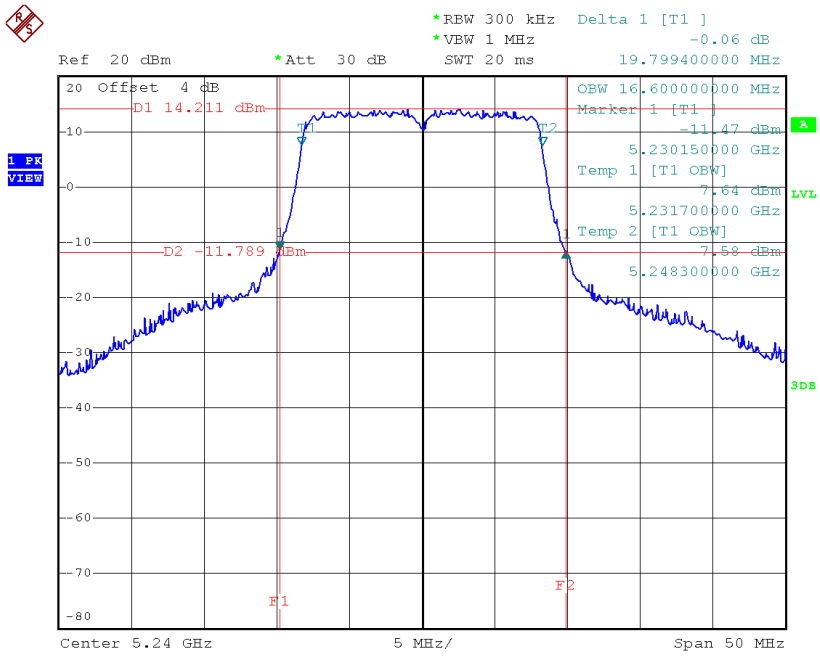
TX CH36



TX CH40



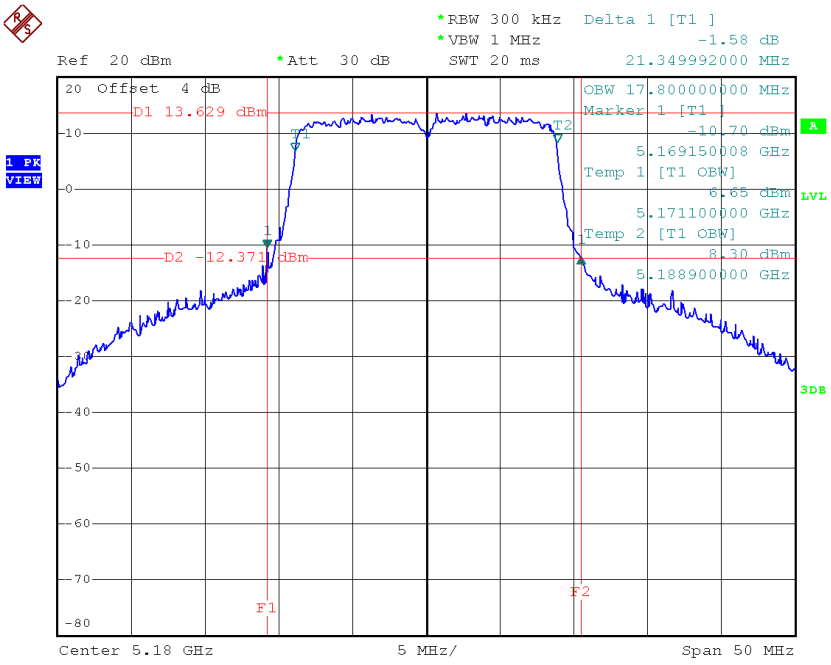
TX CH48



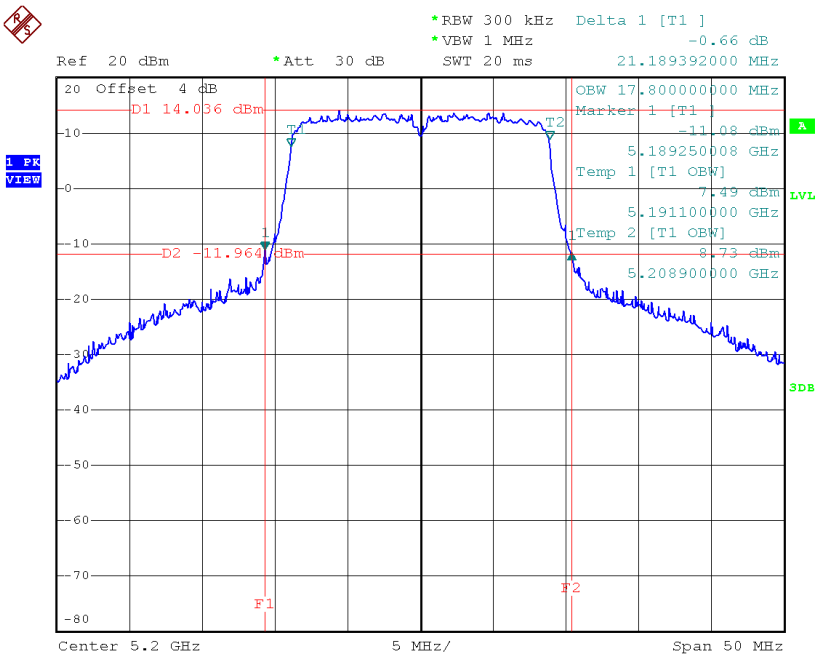
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.35	17.80
CH40	5200	21.19	17.80
CH48	5240	21.00	17.80

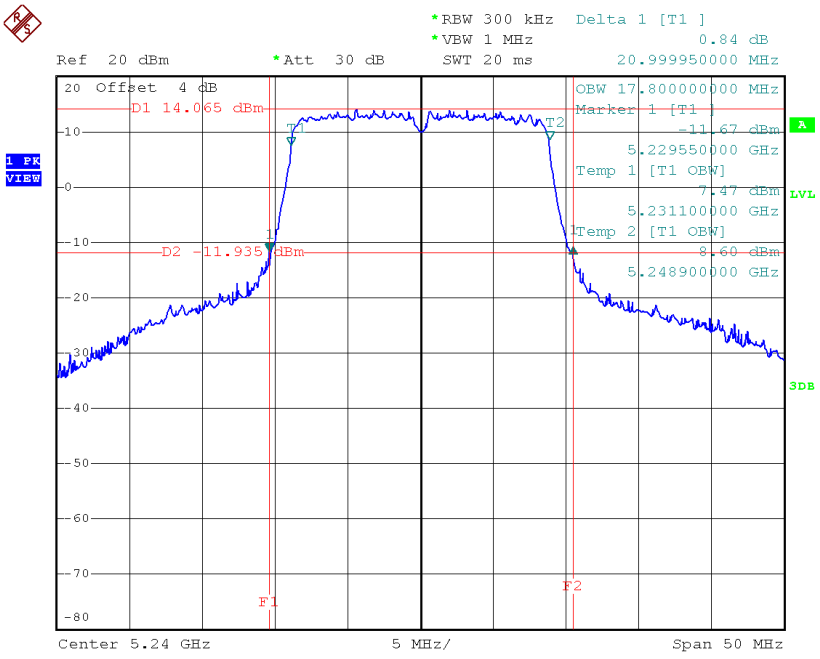
TX CH36



TX CH40



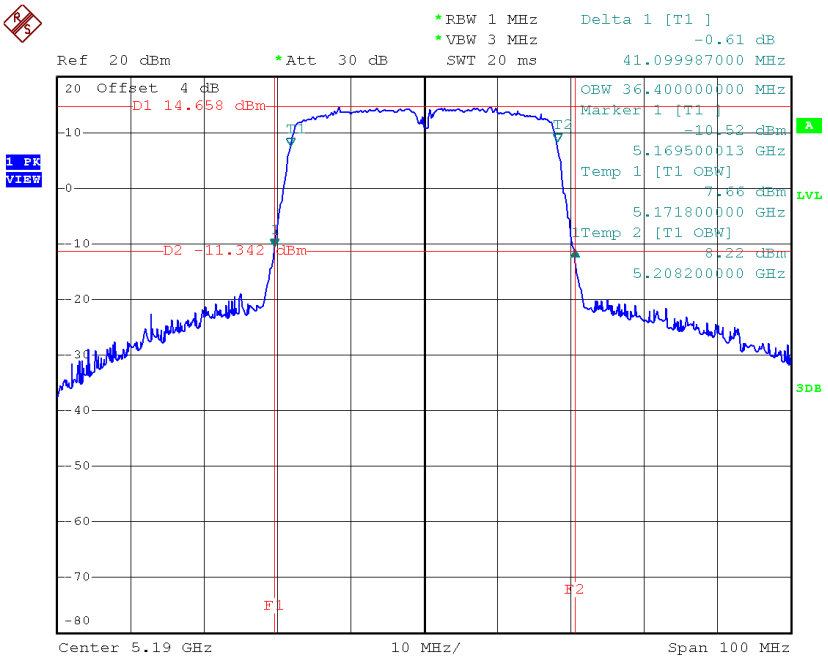
TX CH48



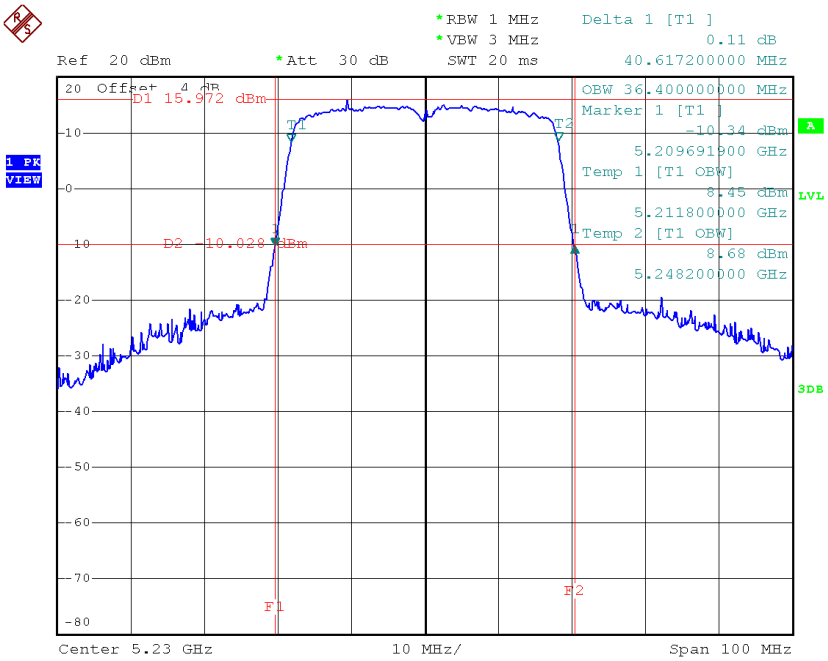
Test Mode: UNII-1/TX N40 Mode_CH38/CH46

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	41.10	36.40
CH46	5230	40.62	36.40

TX CH38



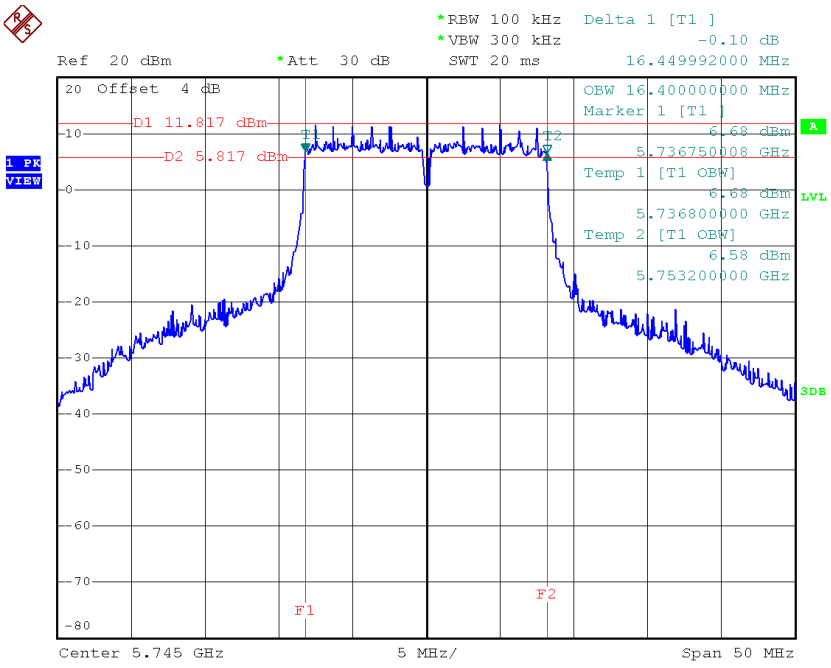
TX CH46



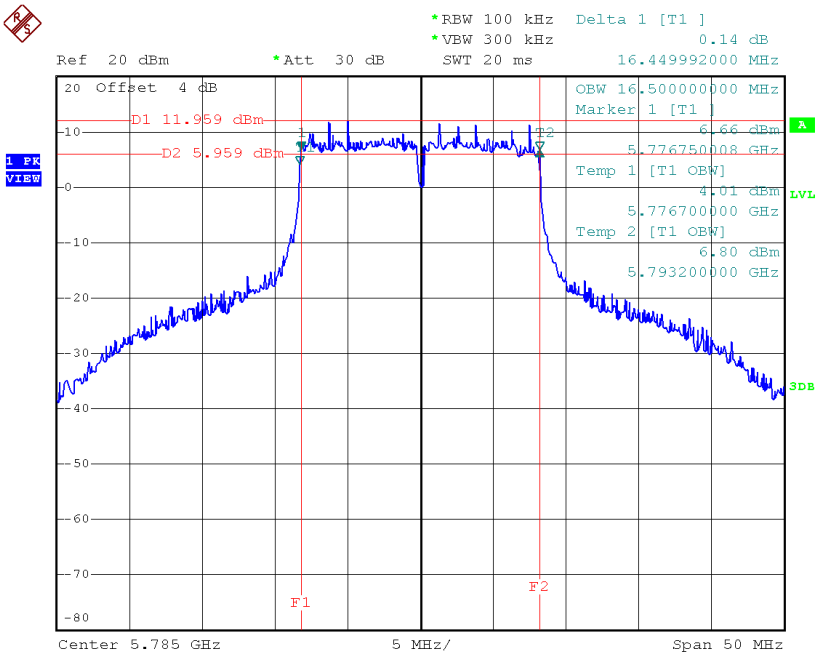
Test Mode: UNII-3/ TX A Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.45	16.40	>=500
CH157	5785	16.45	16.50	>=500
CH165	5825	16.45	16.50	>=500

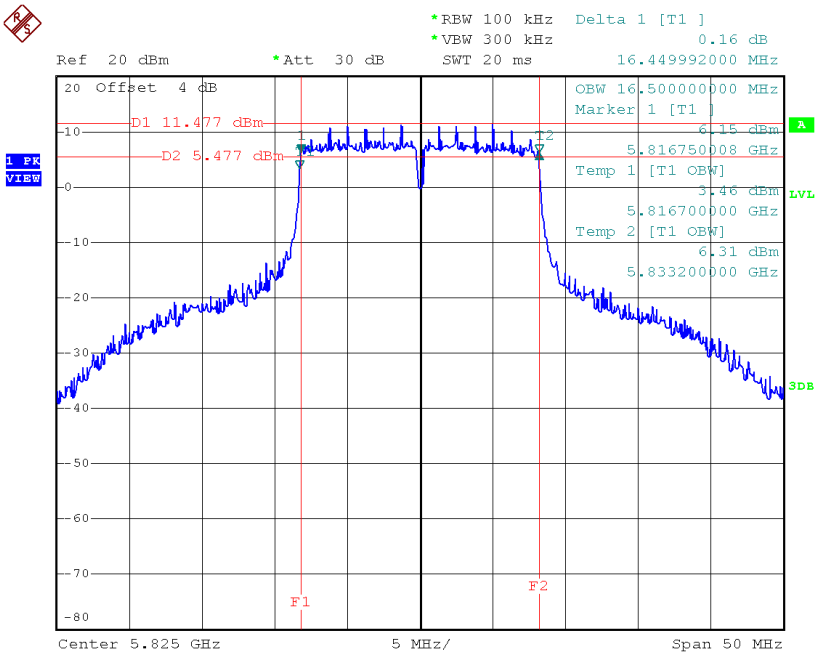
TX CH 149



TX CH 157



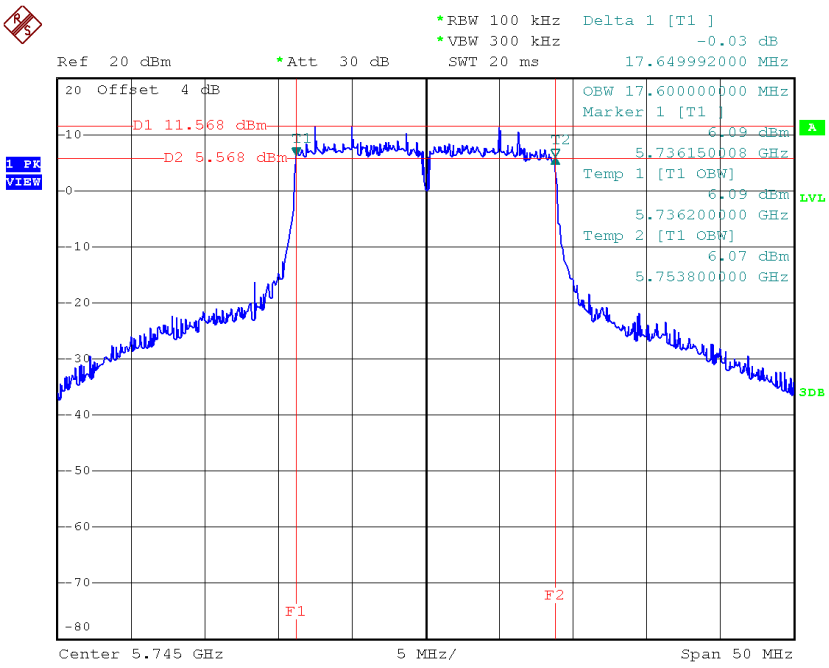
TX CH 165



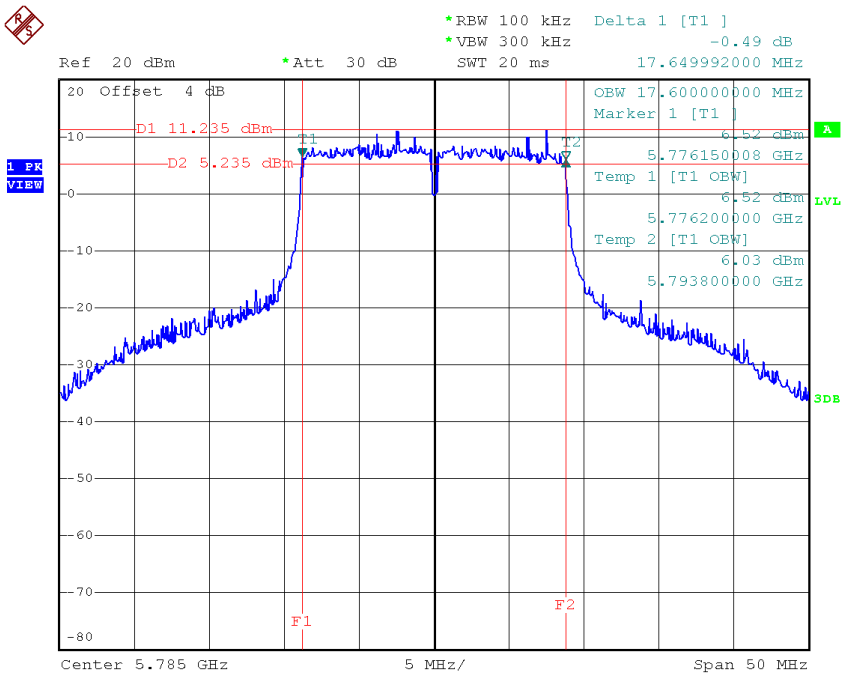
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.65	17.60	>=500
CH157	5785	17.65	17.60	>=500
CH165	5825	17.65	17.60	>=500

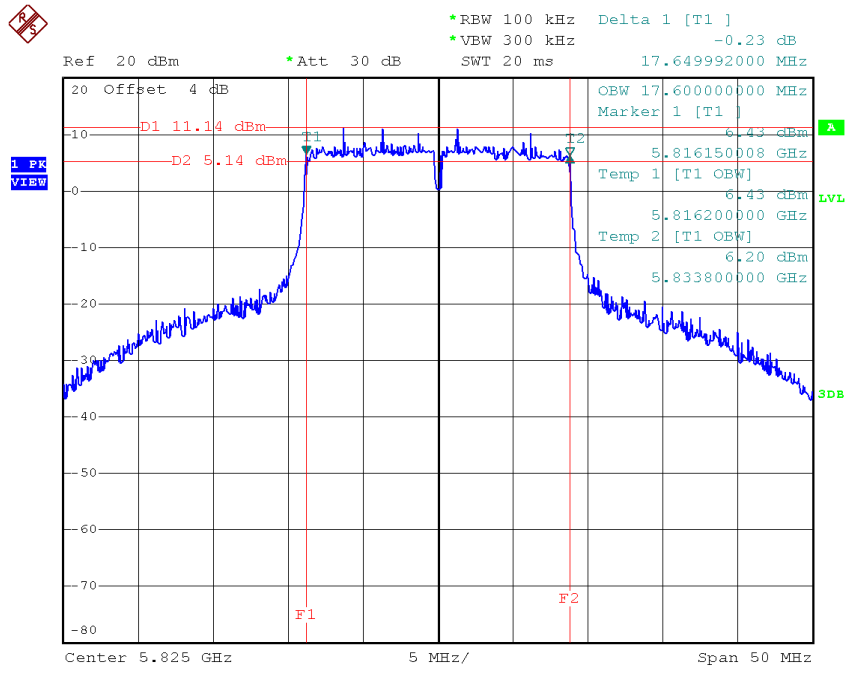
TX CH 149



TX CH 157



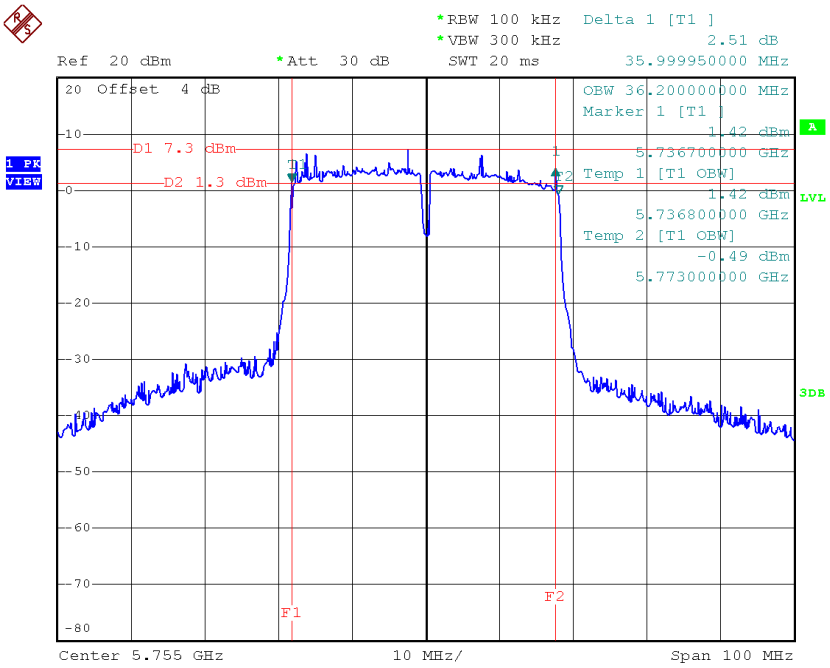
TX CH 165



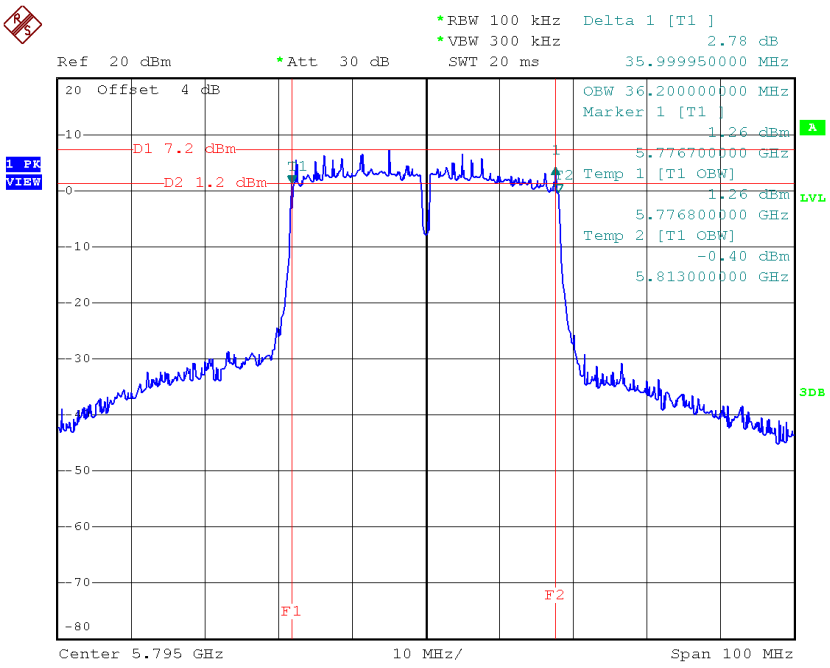
Test Mode: UNII-3/ TX N40 Mode_CH151/CH159

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.00	36.20	>=500
CH159	5795	36.00	36.20	>=500

TX CH 151



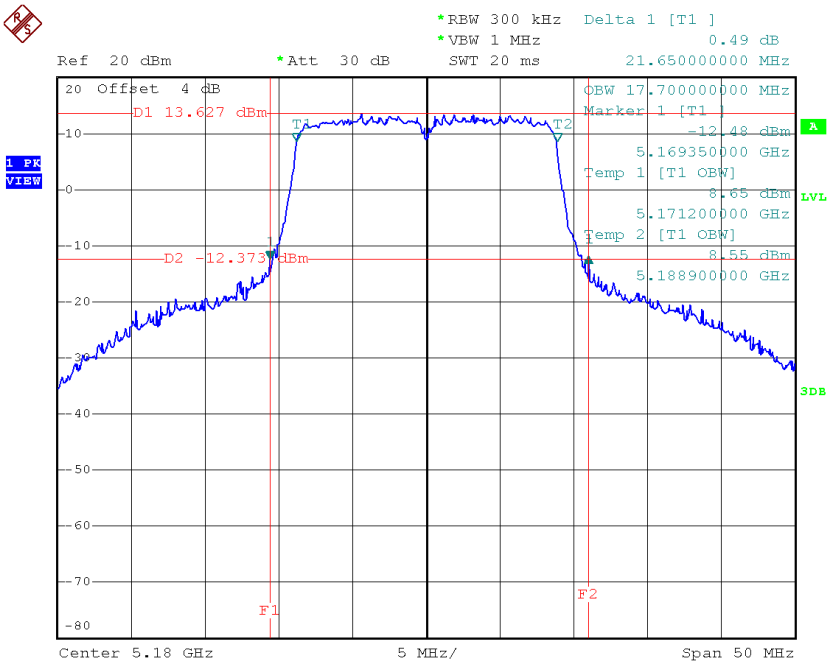
TX CH 159



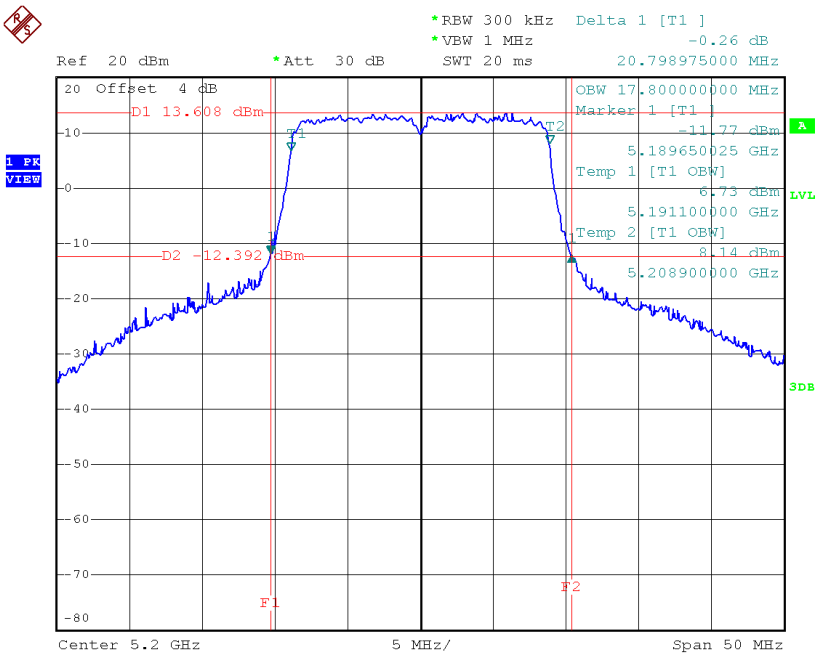
Test Mode: UNII-1/TX AC Wave20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.65	17.70
CH40	5200	20.80	17.80
CH48	5240	20.99	17.80

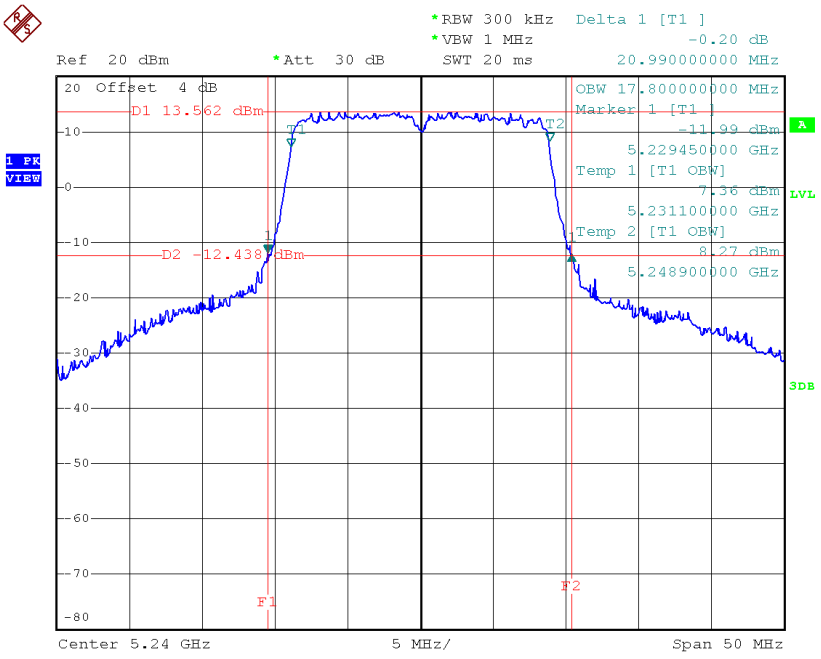
TX CH36



TX CH40



TX CH48



Test Mode: UNII-1/TX AC Wave40 Mode_CH38/CH46

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	40.90	36.40
CH46	5230	40.90	36.40