FCC Radio Test Report

FCC ID: SFK-M97RG2

This report concerns: Original Grant

Project No.	:	2101H022
Equipment	:	MoCa2.5 Wi-Fi Extender
Brand Name	:	CIG
Test Model	:	M-97RG2
Series Model	:	N/A
Applicant	:	CIG Shanghai Co., Ltd.
Address	:	5F, Building 8, NO.2388 CHENGHANG ROAD, MINHANG DISTRTCT, SHANGHAI
Manufacturer	:	CIG Shanghai Co., Ltd.
Address	:	5F, Building 8, NO.2388 CHENGHANG ROAD, MINHANG DISTRTCT, SHANGHAI
Factory	:	CIG Shanghai Co., Ltd.
Address	:	5F, Building 8, NO.2388 CHENGHANG ROAD, MINHANG DISTRTCT, SHANGHAI
Date of Receipt	:	Jan. 19, 2021
Date of Test	:	Jan. 19, 2021~Mar. 05, 2021
Issued Date	:	Mar. 18, 2021
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SH2021011390-5, SH2021011390-3
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.

Maker Qi

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Declaration

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

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.

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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.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Mar. 18, 2021

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. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210,China
BTL's Test Firm Registration Number for FCC: 476765
BTL's Designation Number for FCC: CN1241

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)
SH-C01	CISPR	150 kHz ~ 30 MHz	2.70

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB01	CISPR	9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	H	3.76
		200 MHz~1,000 MHz	V	4.24
		200 MHz~1,000 MHz	H	3.84
		1 GHz~18 GHz	V	4.46
		1 GHz~18 GHz	H	4.40
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	H	3.95

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	Tested By
AC Power Line Conducted Emissions	17°C	40%	AC 120V/60Hz	Joven Xiong
Radiated Emissions-30 MHz to 1GHz	24℃	58%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000 MHz	24℃	58%	AC 120V/60Hz	Forest Li
Spectrum Bandwidth	20°C	54%	AC 120V/60Hz	Danny Dang
Maximum Output Power	20°C	54%	AC 120V/60Hz	Danny Dang
Power Spectral Density	20°C	54%	AC 120V/60Hz	Danny Dang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	MoCa2.5 Wi-Fi Extender
Brand Name	CIG
Test Model	M-97RG2
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC voltage supplied from AC/DC adapter. Brand/Mode: RD1202000-C55-154MG
Power Rating	I/P: 100V-240V ~ 50Hz/60Hz 1.0A Max, O/P:12V ⎓ 2.0A.
Operation Frequency	UNII-1: 5150 MHz~5250 MHz UNII-3: 5725 MHz~5850 MHz
Modulation Type	OFDM
Bit Rate of Transmitter	Up to 1733.2 Mbps
Maximum Conducted Output Power for UNII-1 ANT.1	IEEE 802.11a: 26.39 dBm (0.4355 W) IEEE 802.11n (HT20): 26.30 dBm (0.4266 W) IEEE 802.11n (HT40): 25.87 dBm (0.3864 W) IEEE 802.11ac (VHT20): 26.29 dBm (0.4256 W) IEEE 802.11ac (VHT40): 26.06 dBm (0.4036 W) IEEE 802.11ac (VHT80): 20.93 dBm (0.1239 W)
Maximum Conducted Output Power for UNII-3 ANT.1	IEEE 802.11a: 24.17 dBm (0.2612 W) IEEE 802.11n (HT20): 24.25 dBm (0.2661 W) IEEE 802.11n (HT40): 25.93 dBm (0.3917 W) IEEE 802.11ac (VHT20): 24.23 dBm (0.2649 W) IEEE 802.11ac (VHT40): 26.12 dBm (0.4093 W) IEEE 802.11ac (VHT80): 26.32 dBm (0.4285 W)
Maximum Conducted Output Power for UNII-1 ANT.2	IEEE 802.11a: 26.40 dBm (0.4365 W) IEEE 802.11n (HT20): 26.30 dBm (0.4266 W) IEEE 802.11n (HT40): 25.88 dBm (0.3873 W) IEEE 802.11ac (VHT20): 26.29 dBm (0.4256 W) IEEE 802.11ac (VHT40): 26.08 dBm (0.4055 W) IEEE 802.11ac (VHT80): 20.93 dBm (0.1239 W)
Maximum Conducted Output Power for UNII-3 ANT.2	IEEE 802.11a: 24.18 dBm (0.2618 W) IEEE 802.11n (HT20): 24.29 dBm (0.2685 W) IEEE 802.11n (HT40): 25.95 dBm (0.3936 W) IEEE 802.11ac (VHT20): 24.29 dBm (0.2685 W) IEEE 802.11ac (VHT40): 26.11 dBm (0.4083 W) IEEE 802.11ac (VHT80): 26.36 dBm (0.4325 W)
Maximum Conducted Output Power for UNII-1 ANT.3	IEEE 802.11a: 26.59 dBm (0.4560 W) IEEE 802.11n (HT20): 26.41 dBm (0.4375 W) IEEE 802.11n (HT40): 26.06 dBm (0.4036 W) IEEE 802.11ac (VHT20): 26.44 dBm (0.4406 W) IEEE 802.11ac (VHT40): 26.18 dBm (0.4150 W) IEEE 802.11ac (VHT80): 21.11 dBm (0.1291 W)
Maximum Conducted Output Power for UNII-3 ANT.3	IEEE 802.11a: 24.37 dBm (0.2735 W) IEEE 802.11n (HT20): 24.41 dBm (0.2761 W) IEEE 802.11n (HT40): 26.11 dBm (0.4083 W) IEEE 802.11ac (VHT20): 24.43 dBm (0.2773 W) IEEE 802.11ac (VHT40): 26.24 dBm (0.4207 W) IEEE 802.11ac (VHT80): 26.48 dBm (0.4446 W)

Maximum Conducted Output Power for UNII-1 ANT.4	IEEE 802.11a: 26.39 dBm (0.4355 W) IEEE 802.11n (HT20): 26.28 dBm (0.4246 W) IEEE 802.11n (HT40): 25.90 dBm (0.3890 W) IEEE 802.11ac (VHT20): 26.25 dBm (0.4217 W) IEEE 802.11ac (VHT40): 26.00 dBm (0.3981 W) IEEE 802.11ac (VHT80): 20.94 dBm (0.1242 W)
Maximum Conducted Output Power for UNII-3 ANT.4	IEEE 802.11a: 24.24 dBm (0.2655 W) IEEE 802.11n (HT20): 24.27 dBm (0.2673 W) IEEE 802.11n (HT40): 25.91 dBm (0.3899 W) IEEE 802.11ac (VHT20): 24.30 dBm (0.2692 W) IEEE 802.11ac (VHT40): 26.05 dBm (0.4027 W) IEEE 802.11ac (VHT80): 26.31 dBm (0.4276 W)
Maximum Conducted Output Power for UNII-1 (4TX) Non-Beamforming	IEEE 802.11a: 27.23 dBm (0.5284 W) IEEE 802.11n (HT20): 26.74 dBm (0.4721 W) IEEE 802.11n (HT40): 26.60 dBm (0.4571 W) IEEE 802.11ac (VHT20): 26.80 dBm (0.4786 W) IEEE 802.11ac (VHT40): 26.75 dBm (0.4732 W) IEEE 802.11ac (VHT80): 27.09 dBm (0.5117 W)
Maximum Conducted Output Power for UNII-3 (4TX) Non-Beamforming	IEEE 802.11a: 27.13 dBm (0.5164 W) IEEE 802.11n (HT20): 27.74 dBm (0.5943 W) IEEE 802.11n (HT40): 26.91 dBm (0.4909 W) IEEE 802.11ac (VHT20): 27.80 dBm (0.6026 W) IEEE 802.11ac (VHT40): 27.07 dBm (0.5093 W) IEEE 802.11ac (VHT80): 26.94 dBm (0.4943 W)
Maximum Conducted Output Power for UNII-1 (4TX) Beamforming	IEEE 802.11a: 26.19 dBm (0.4159 W) IEEE 802.11n (HT20): 25.71 dBm (0.3724 W) IEEE 802.11n (HT40): 25.55 dBm (0.3589 W) IEEE 802.11ac (VHT20): 25.72 dBm (0.3733 W) IEEE 802.11ac (VHT40): 25.68 dBm (0.3698 W) IEEE 802.11ac (VHT80): 26.05 dBm (0.4027 W)
Maximum Conducted Output Power for UNII-3 (4TX) Beamforming	IEEE 802.11a: 25.42 dBm (0.3483 W) IEEE 802.11n (HT20): 26.23 dBm (0.4198 W) IEEE 802.11n (HT40): 25.03 dBm (0.3184 W) IEEE 802.11ac (VHT20): 26.60 dBm (0.4571 W) IEEE 802.11ac (VHT40): 25.13 dBm (0.3258 W) IEEE 802.11ac (VHT80): 24.00 dBm (0.2512 W)

Note:

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

IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
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				

IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	PCB	N/A	3	N/A
2	N/A	N/A	PCB	N/A	3	N/A
3	N/A	N/A	PCB	N/A	3	N/A
4	N/A	N/A	PCB	N/A	3	N/A

Note:

(1) The EUT incorporates a MIMO function. Physically, the EUT provides four completed transmitters and receivers (4T4R), all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT}, that is Directional gain=.3 dBi

(2) Ant. 3 for 1TX was found to be the worst case and recorded.

(3) The antenna gain is provided by the manufacturer.

4. Table for Antenna Configuration:

Operating Mode / TX Mode	1TX	2TX	3TX	4TX	Ant. 1 + Ant. 2+ Ant. 3 + Ant. 4
IEEE 802.11a	✓	✓	✓	✓	✓
IEEE 802.11n (HT20)	✓	✓	✓	✓	✓
IEEE 802.11n (HT40)	✓	✓	✓	✓	✓
IEEE 802.11ac (VHT20)	✓	✓	✓	✓	✓
IEEE 802.11ac (VHT40)	✓	✓	✓	✓	✓
IEEE 802.11ac (VHT80)	✓	✓	✓	✓	✓

2.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC (VHT80) Mode / CH155 (UNII-3)

Following mode(s) as (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 10	TX AC(VHT20) Mode / CH149 (UNII-3)

Radiated emissions test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC (VHT80) Mode / CH155 (UNII-3)

Conducted test	
Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC (VHT80) Mode / CH155 (UNII-3)

Note：

(1) For radiated emission below 1 GHz test and AC power line conducted emissions test, the IEEE 802.11ac20 Channel 149 is found to be the worst case in MIMO and recorded.

2.3 PARAMETERS OF TEST SOFTWARE

SISO-ANT.1/2/3/4

UNII-1 - 1TX			
Test Software	MPtools		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11a	61.00	72.00	68.00
IEEE 802.11n (HT20)	58.00	73.00	70.00
IEEE 802.11ac (VHT20)	58.00	73.00	70.00
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	52.00	75.00	
IEEE 802.11ac (VHT40)	52.00	75.00	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	47.00		

UNII-3 - 1TX			
Test Software	MPtools		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11a	50.00	46.00	52.00
IEEE 802.11n (HT20)	52.00	48.00	52.00
IEEE 802.11ac (VHT20)	52.00	48.00	52.00
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	70.00	61.00	
IEEE 802.11ac (VHT40)	70.00	61.00	
Test Frequency (MHz)	5775		
IEEE 802.11ac (VHT80)	70.00		

MIMO Non-Beamforming

UNII-1 - 4TX			
Test Software	MPtools		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11a	40.00	38.00	40.00
IEEE 802.11n (HT20)	42.00	45.00	45.00
IEEE 802.11ac (VHT20)	38.00	38.00	45.00
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	33.00	50.00	
IEEE 802.11ac (VHT40)	33.00	50.00	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	49.00		

UNII-3 - 4TX			
Test Software	MPtools		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11a	45.00	45.00	45.00
IEEE 802.11n (HT20)	50.00	50.00	50.00
IEEE 802.11ac (VHT20)	50.00	45.00	50.00
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	52.00	52.00	
IEEE 802.11ac (VHT40)	52.00	52.00	
Test Frequency (MHz)	5775		
IEEE 802.11ac (VHT80)	50.00		

MIMO Beamforming

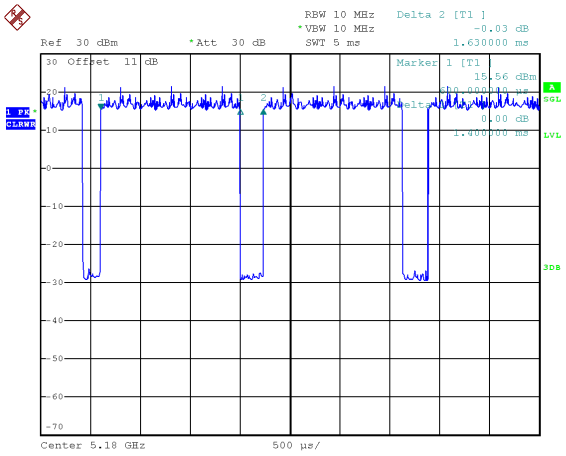
UNII-1 - 4TX			
Test Software	MPtools		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11a	40.00	38.00	40.00
IEEE 802.11n (HT20)	42.00	45.00	45.00
IEEE 802.11ac (VHT20)	38.00	38.00	45.00
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	33.00	50.00	
IEEE 802.11ac (VHT40)	33.00	50.00	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	49.00		

UNII-3 - 4TX			
Test Software	MPtools		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11a	45.00	45.00	45.00
IEEE 802.11n (HT20)	50.00	50.00	50.00
IEEE 802.11ac (VHT20)	50.00	45.00	50.00
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	52.00	52.00	
IEEE 802.11ac (VHT40)	52.00	52.00	
Test Frequency (MHz)	5775		
IEEE 802.11ac (VHT80)	50.00		

2.4 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
The output power = measured power + duty factor.

IEEE 802.11a



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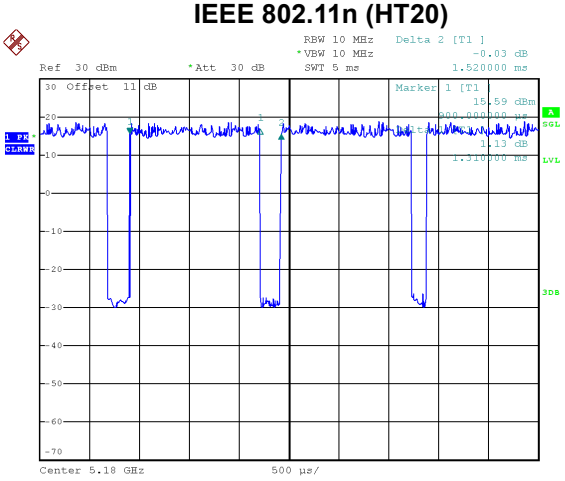
Duty cycle = 1.40 ms / 1.63 ms = 85.89%
Duty Factor = 10 * log(1 / Duty cycle) = 0.66 dB

IEEE 802.11n (HT20)



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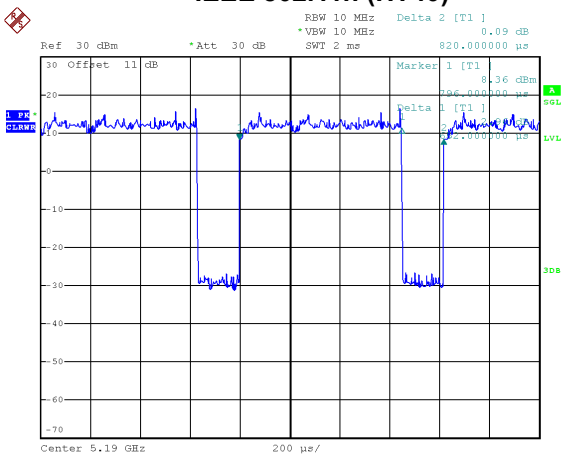
Duty cycle = 1.31 ms / 1.52 ms = 86.18%
Duty Factor = 10 * log(1 / Duty cycle) = 0.65 dB

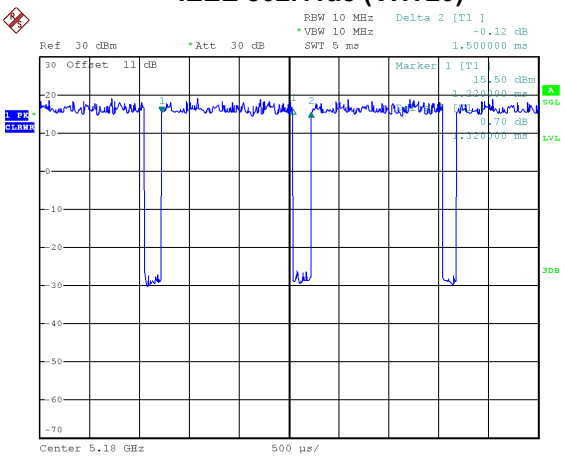
IEEE 802.11n (HT40)



Date: 25.JAN.2021 16:45:00

Duty cycle = 0.652ms / 0.820 ms = 79.51%
Duty Factor = 10 * log(1 / Duty cycle) = 1.00 dB

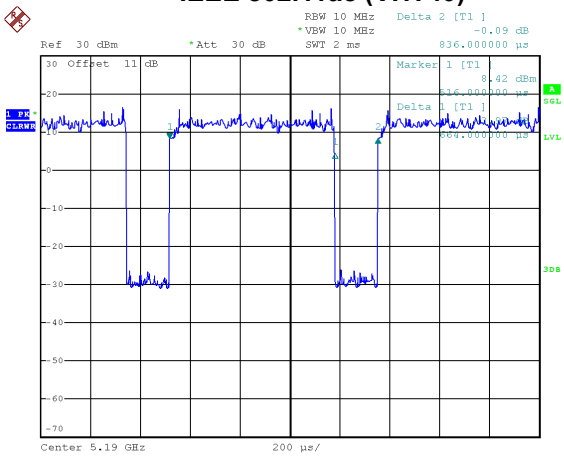
IEEE 802.11ac (VHT20)



Date: 25.JAN.2021 16:45:59

Duty cycle = 1.32 ms / 1.50 ms = 88.00%
Duty Factor = 10 * log(1 / Duty cycle) = 0.56 dB

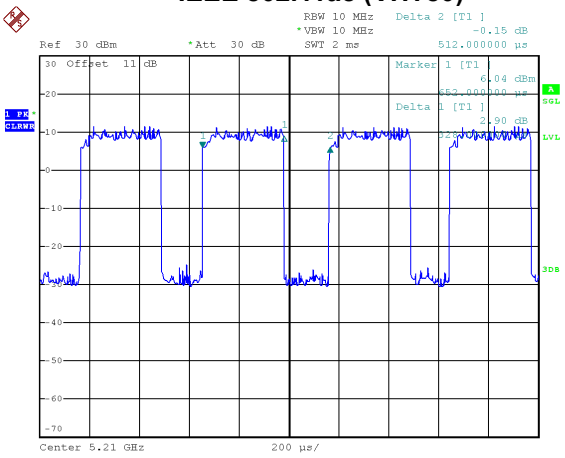
IEEE 802.11ac (VHT40)



Date: 25.JAN.2021 16:47:01

Duty cycle = 0.664ms / 0.836 ms = 79.43%
Duty Factor = 10 * log(1 / Duty cycle) = 1.00 dB

IEEE 802.11ac (VHT80)



Date: 25.JAN.2021 16:47:50

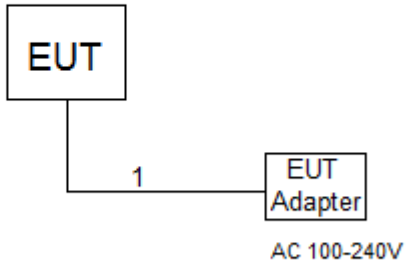
Duty cycle = 0.328 ms / 0.512 ms = 64.06%
Duty Factor = 10 * log(1 / Duty cycle) = 1.93 dB

NOTE:
For IEEE 802.11a, IEEE 802.11n (HT20) and IEEE 802.11ac (VHT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

For IEEE 802.11n (HT40) and IEEE 802.11ac (VHT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).

For IEEE 802.11ac (VHT80):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC	N/A	N/A	1M

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.50 - 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.

The following table is the setting of the receiver

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

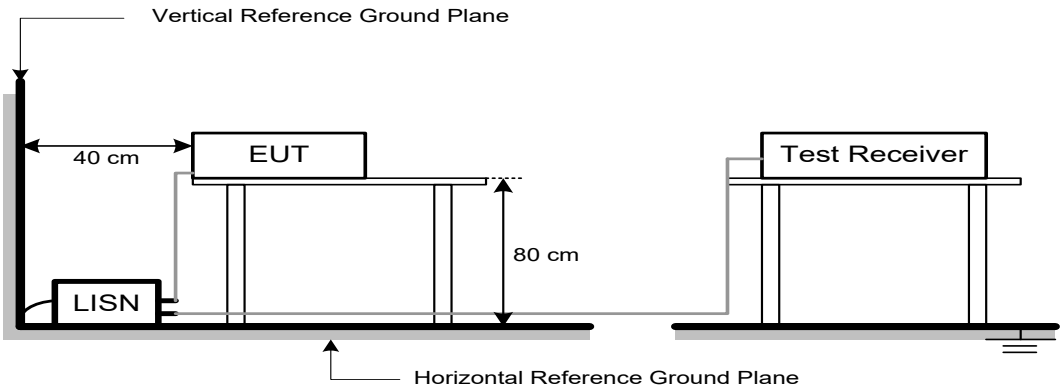
3.2 TEST PROCEDURE

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 equipment 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.

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION 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.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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
5250-5350	-27	68.3
5470-5725	-27	68.3
5725-5850	-27 NOTE (2)	68.3
	10 NOTE (2)	105.3
	15.6 NOTE (2)	110.9
	27 NOTE (2)	122.3

NOTE:

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

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

(2) According to 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.

4.2 TEST PROCEDURE

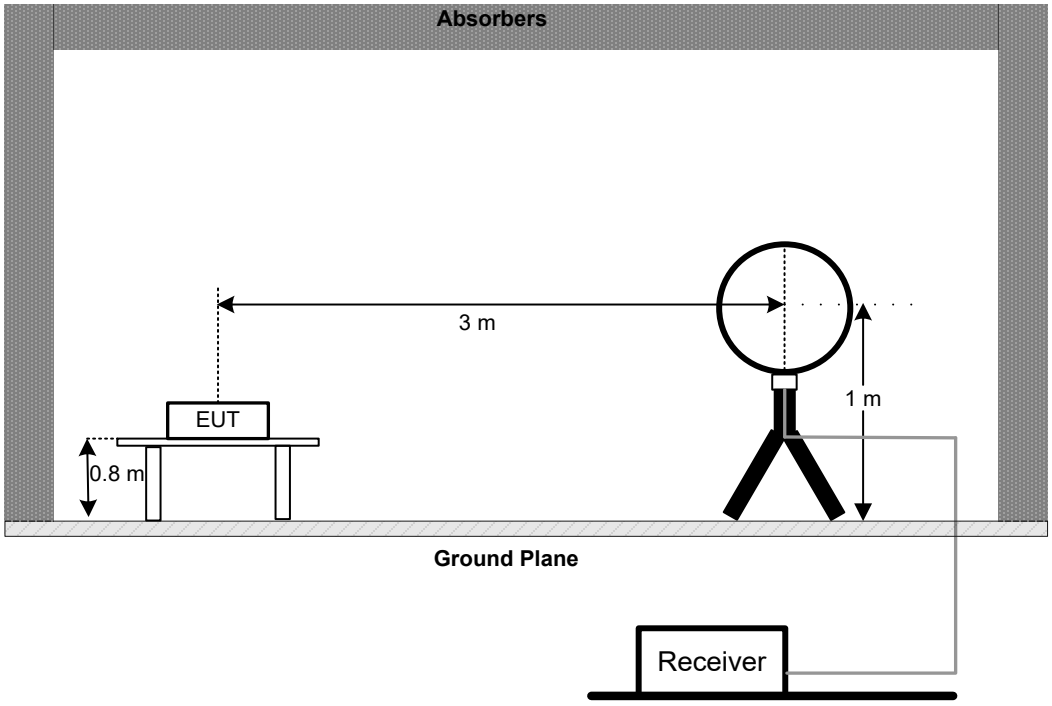
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance 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 1 GHz.
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 1 GHz)
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 1 GHz)
i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.3 DEVIATION FROM TEST STANDARD

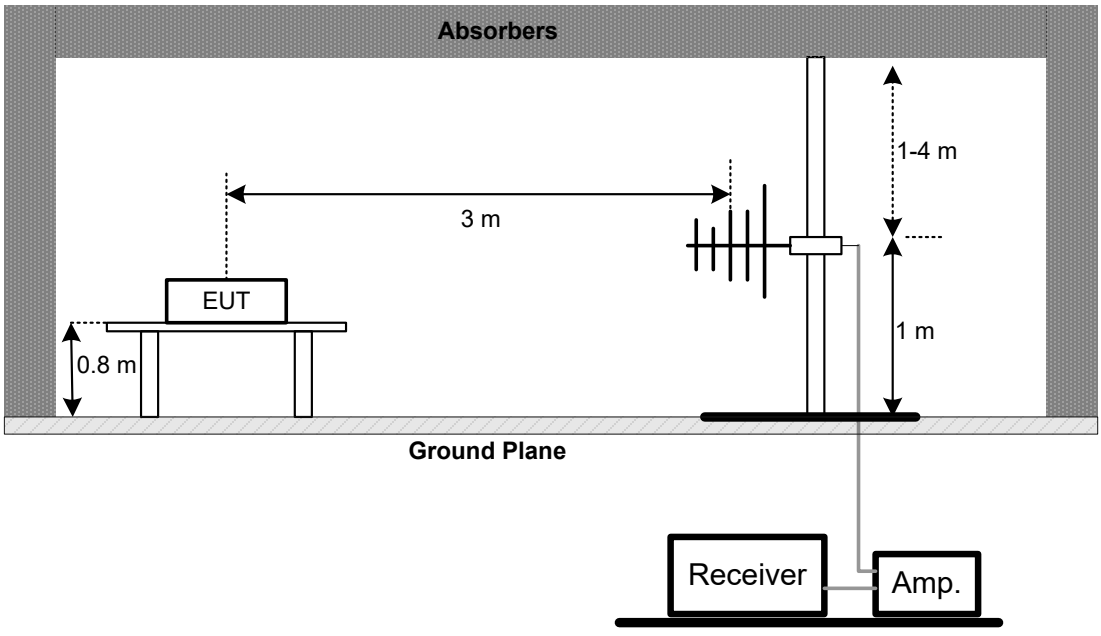
No deviation

4.4 TEST SETUP

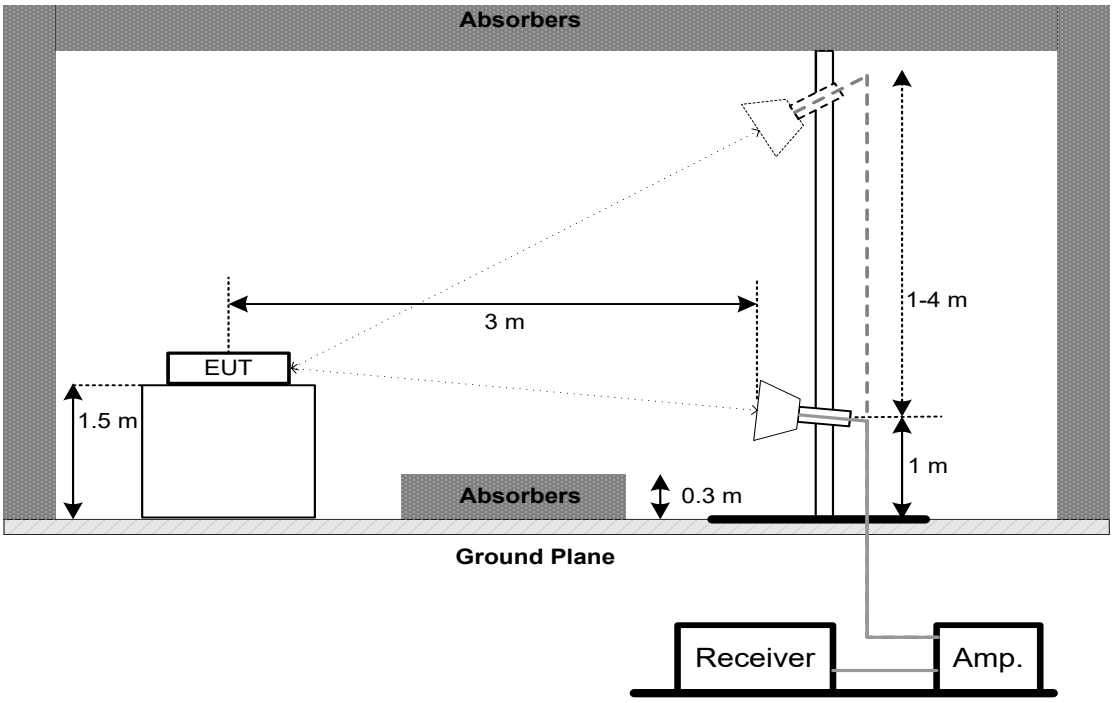
9 kHz to 30 MHz



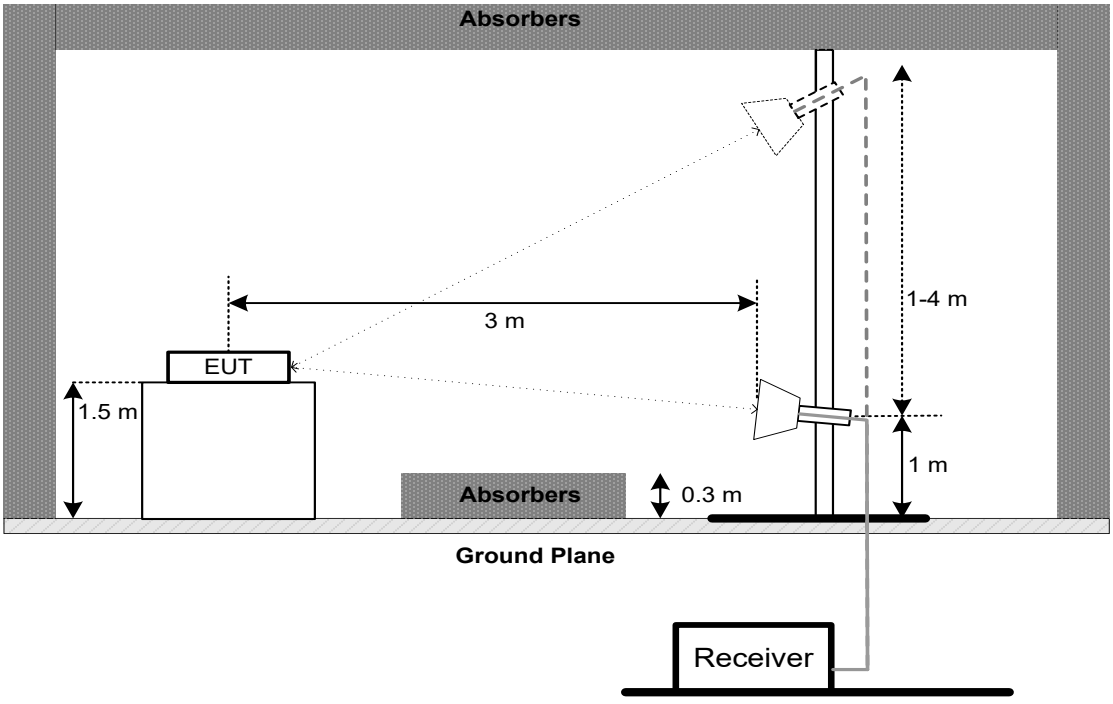
30 MHz to 1 GHz



Above 1 GHz



Above 1 GHz
Band edge



4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

4.6 TEST RESULTS - 9 KHZ to 30 MHZ

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.

4.7 TEST RESULTS - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

4.8 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.

5. BANDWIDTH TEST

5.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a) 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

5.2 TEST PROCEDURE

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

b. a. Spectrum Setting:

For UNII-1, UNII-2A, UNII-2C:

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

For UNII-3:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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

5.3 TEST PROCEDURE

No deviation.

5.4 TEST SETUP

5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Conducted Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (24 dBm)	5150-5250
		250 mW (24 dBm)	5250-5350
		250 mW (24 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

a. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

b. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

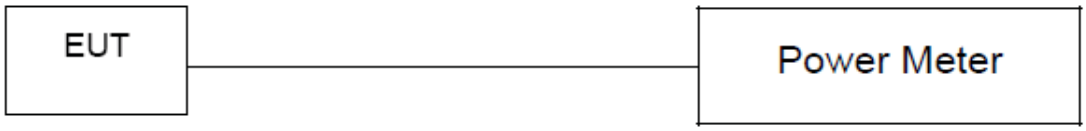
6.2 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
b. Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. POWER SPECTRAL DENSITY TEST

7.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	AP device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

7.2 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 Setting

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

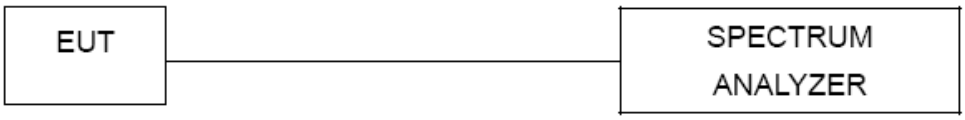
Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.
2. The value measured with RBW=1 MHz is to be added with 10log(500 kHz/1 MHz) which is -3 dB. For example, if the measured value is +10dBm using RBW=1 MHz (that is +10 dBm/MHz), then the converted value will be +7dBm/500kHz.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. FREQUENCY STABILITY MEASUREMENT

8.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(g)	Frequency Stability	An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.	5150-5250
			5250-5350
			5470-5725
			5725-5850

8.2 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 Setting:

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

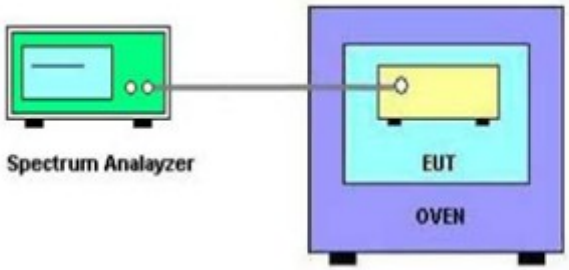
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is -5°C~45°C.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 21, 2021
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Aug. 23, 2021
3	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 2021
4	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 21, 2021
5	Cable	10m	EMCRG400-BM-NM-10000	170628	Jul. 15, 2021
6	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	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Apr. 02, 2021
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 21, 2021
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2021
4	Attenuator	emci	EMCI-N-6-06	AT-N0644	Mar. 21, 2021
5	Cable	7m	EMC104-SM-SM-7000	170330	Apr. 13, 2021
6	Cable	1m	EMC104-SM-SM-1000	170331	Apr. 13, 2021
7	Cable	3.5m	EMC104-SM-NM-3500	170621	Apr. 13, 2021
8	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1787	Apr. 02, 2021
2	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Jul. 20, 2021
3	Pre-Amplifier	emci	EMC012645SE	980421	Mar. 21, 2021
4	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 21, 2021
5	EXA Spectrum Analyzer	Keysight	N9010A	MY56480559	Mar. 21, 2021
6	MXE EMI Receiver	Keysight	N9038A	MY56400088	Mar. 21, 2021
7	Cable	7m	EMC104-SM-SM-7000	170330	Apr. 13, 2021
8	Cable	1m	EMC104-SM-SM-1000	170331	Apr. 13, 2021
9	Cable	3.5m	EMC104-SM-NM-3500	170621	Apr. 13, 2021
10	Cable	0.8m	EMC102-SM-SM-800	170335	Apr. 13, 2021
11	Cable	6m	EMC102-SM-SM-6000	170336	Apr. 13, 2021
12	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021
2	Attenuator	JUK	ATT-2W6G-S-10	N/A	N/A

Conducted Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021
2	Attenuator	JUK	ATT-2W6G-S-10	N/A	N/A

Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021
2	Attenuator	JUK	ATT-2W6G-S-10	N/A	N/A

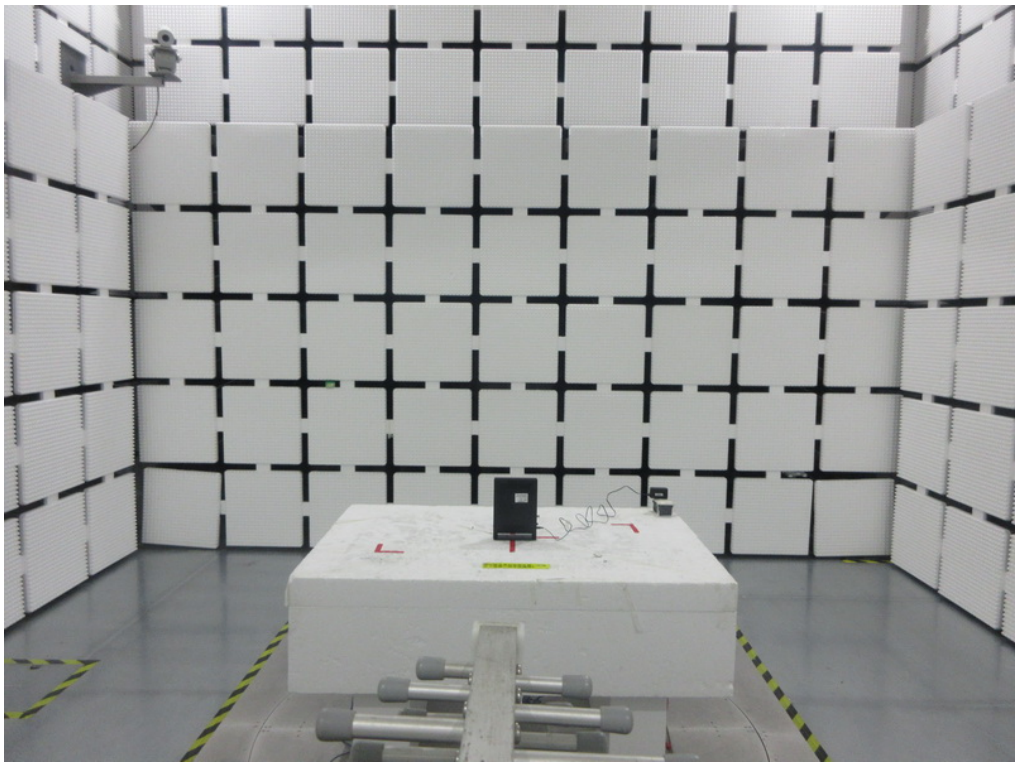
Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

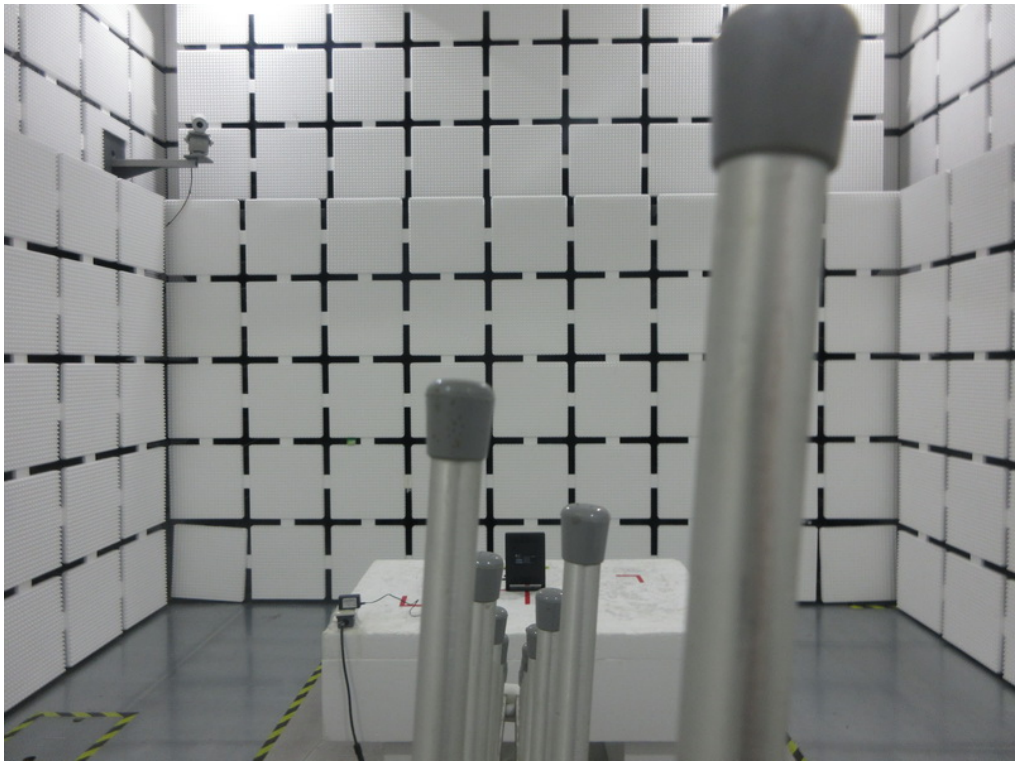
10. EUT TEST PHOTOS

Conducted Emissions Test Photos

Radiated Emissions Test Photos

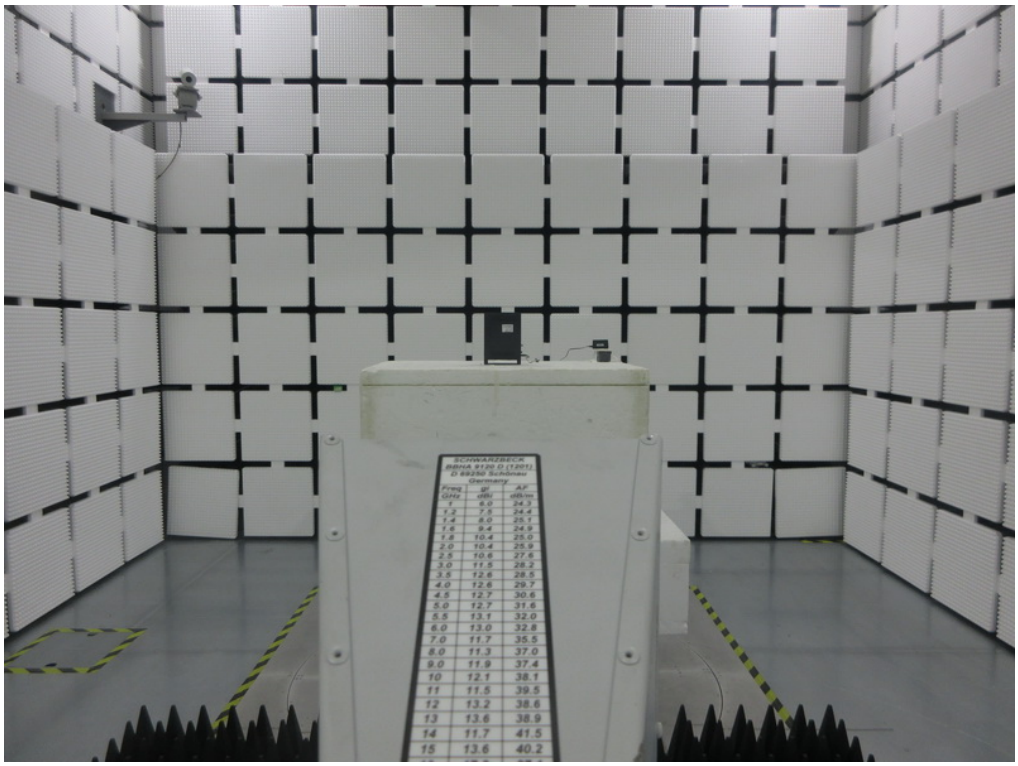
30 MHz to 1 GHz

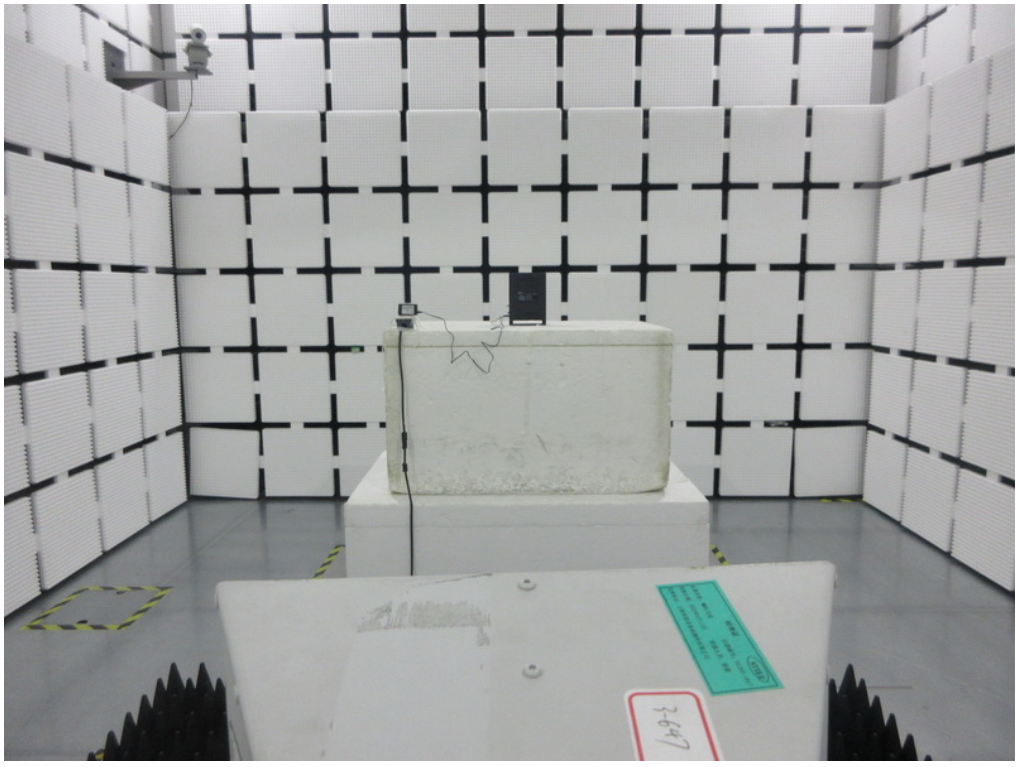




Radiated Emissions Test Photos

Above 1 GHz

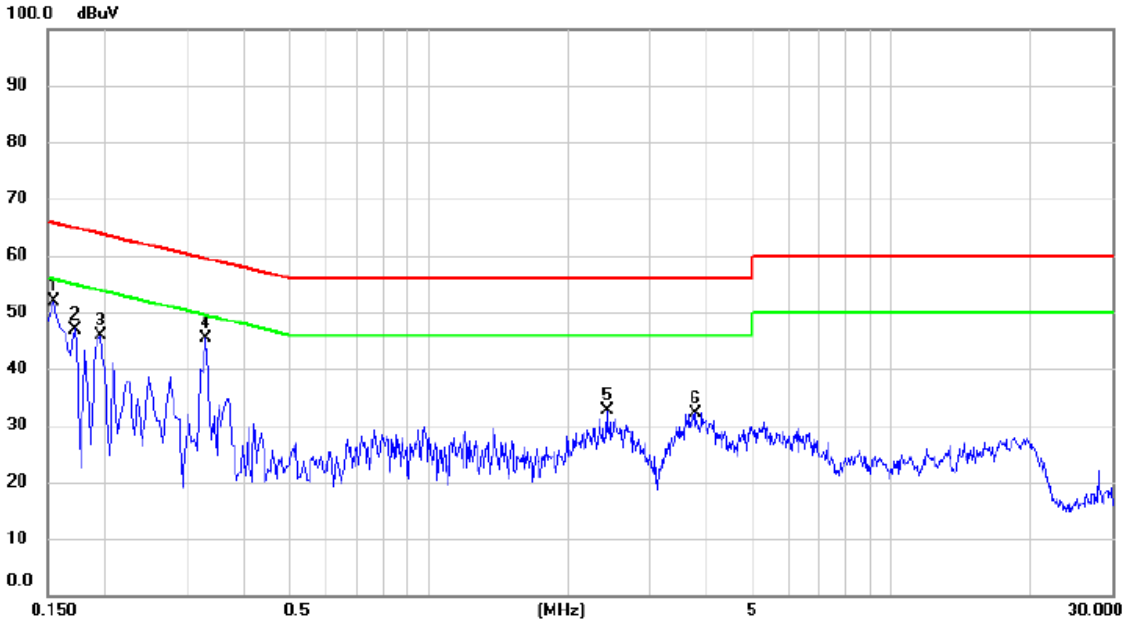




APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode:	UNII-3_TX AC (VHT20) Mode 5745 MHz

Line

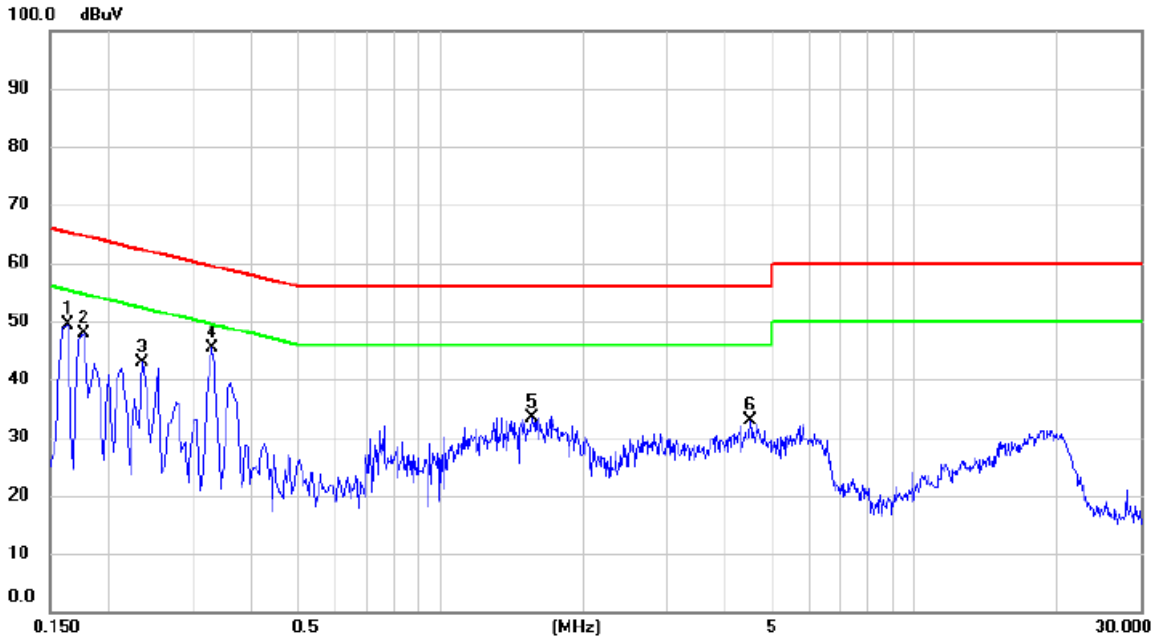


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1544	42.23	9.72	51.95	65.76	-13.81	peak	
2		0.1725	37.27	9.73	47.00	64.84	-17.84	peak	
3		0.1950	36.15	9.74	45.89	63.82	-17.93	peak	
4		0.3300	35.58	9.76	45.34	59.45	-14.11	peak	
5		2.4270	22.73	9.93	32.66	56.00	-23.34	peak	
6		3.7635	22.23	10.00	32.23	56.00	-23.77	peak	

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

Test Mode:	UNII-3_TX AC (VHT20) Mode 5745 MHz

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1635	39.78	9.70	49.48	65.28	-15.80	peak	
2		0.1770	38.28	9.70	47.98	64.63	-16.65	peak	
3		0.2355	33.24	9.71	42.95	62.25	-19.30	peak	
4	*	0.3300	35.70	9.74	45.44	59.45	-14.01	peak	
5		1.5584	23.60	9.85	33.45	56.00	-22.55	peak	
6		4.4925	22.83	9.99	32.82	56.00	-23.18	peak	

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

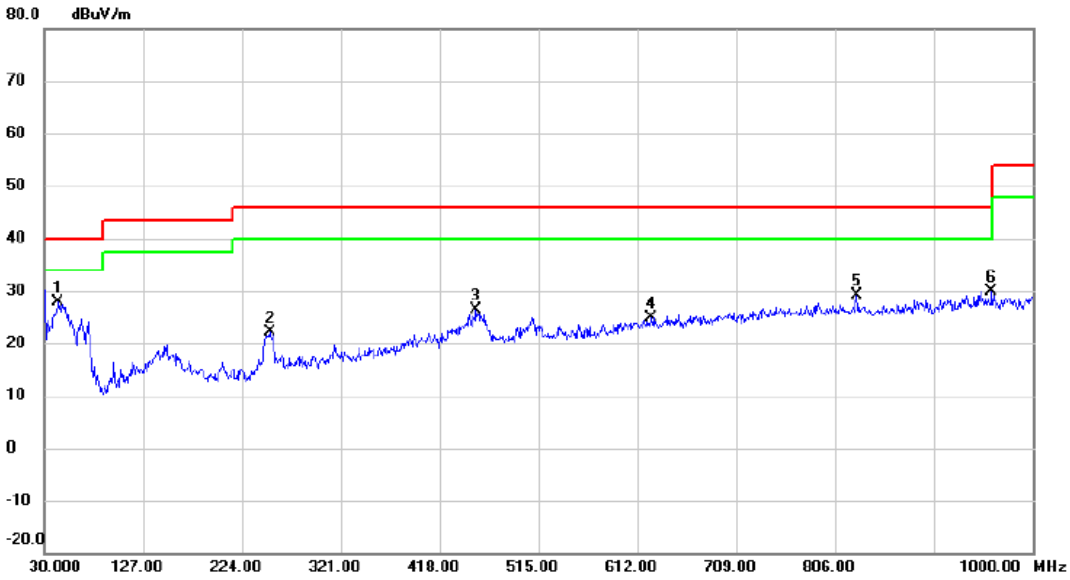
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Note: The measured value have enough margin over 20dB than the limit, therefore they are not reported.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1 GHZ

Test Mode:	UNII-3_TX AC (VHT20) Mode 5745 MHz

Vertical

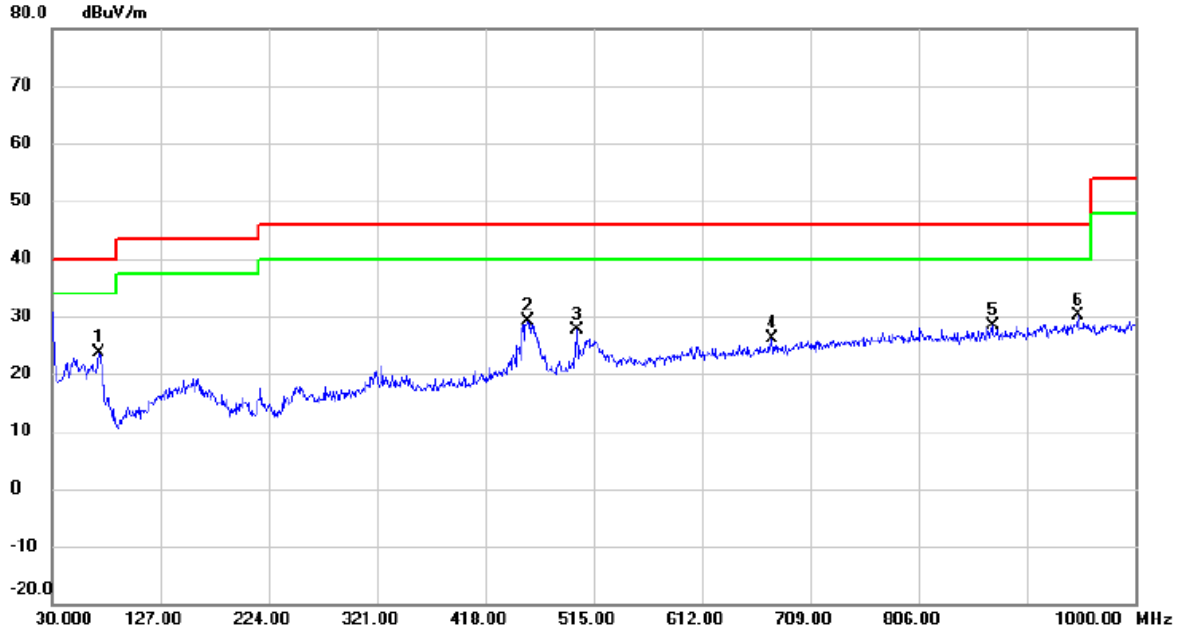


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.0650	44.90	-16.98	27.92	40.00	-12.08	peak	
2		251.1600	39.51	-17.33	22.18	46.00	-23.82	peak	
3		453.8900	38.34	-11.86	26.48	46.00	-19.52	peak	
4		626.0650	33.65	-8.85	24.80	46.00	-21.20	peak	
5		827.3400	35.69	-6.45	29.24	46.00	-16.76	peak	
6		959.7450	34.99	-5.06	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 AC (VHT20) Mode 5745 MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		72.1950	42.80	-19.07	23.73	40.00	-16.27	peak	
2		456.3150	40.88	-11.79	29.09	46.00	-16.91	peak	
3		499.9650	38.76	-11.21	27.55	46.00	-18.45	peak	
4		674.0800	34.35	-8.31	26.04	46.00	-19.96	peak	
5		872.4450	34.47	-6.15	28.32	46.00	-17.68	peak	
6	*	948.5900	35.35	-5.15	30.20	46.00	-15.80	peak	

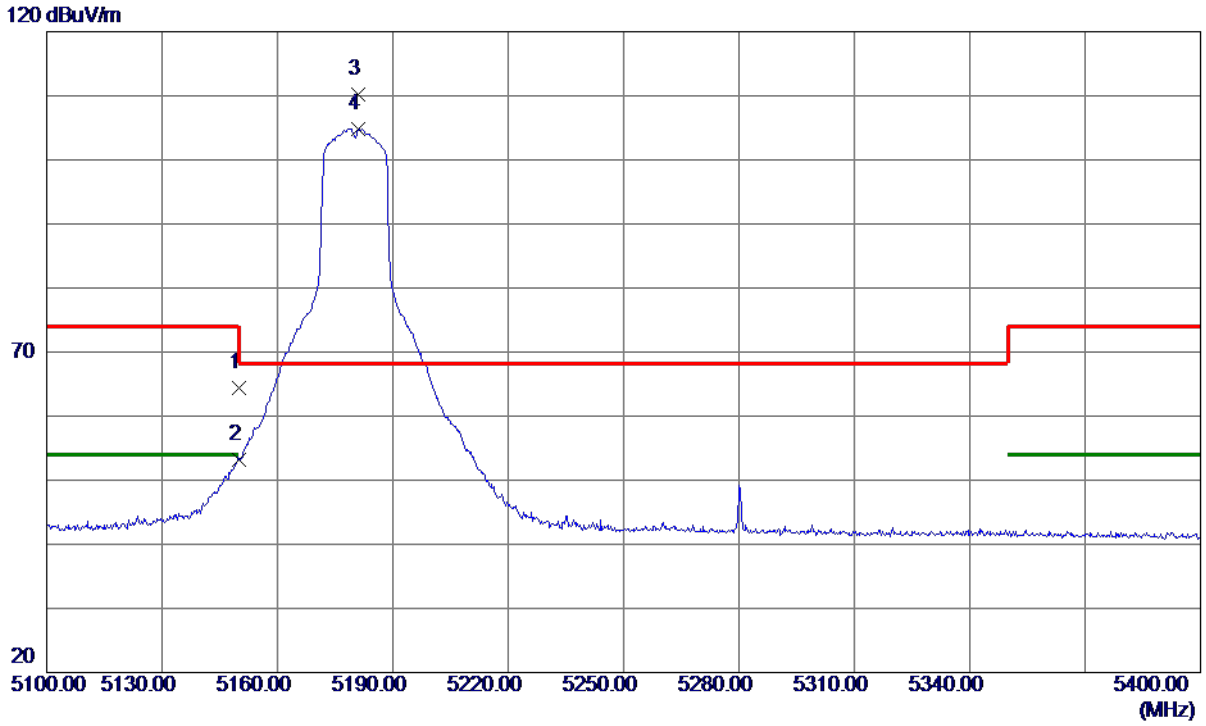
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

SISO

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz

Vertical

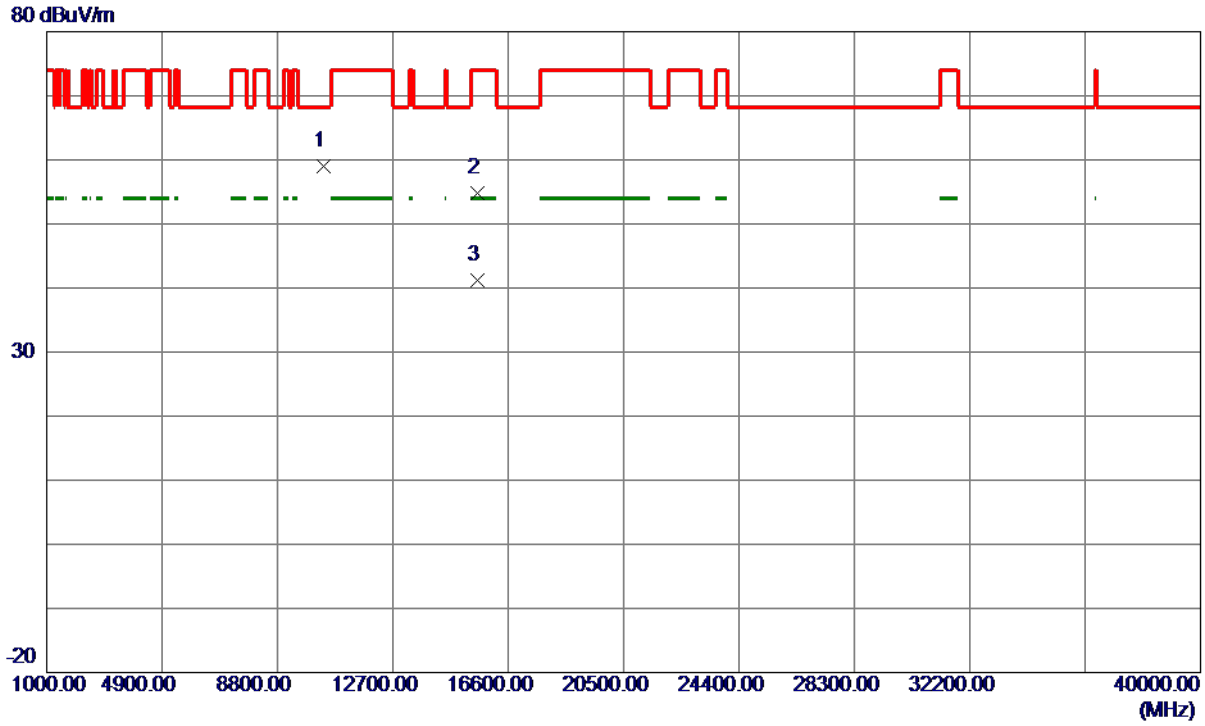


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	26.61	37.88	64.49	74.00	-9.51	Peak	
2	5150.0000	15.38	37.88	53.26	54.00	-0.74	AVG	
3 *	5181.1500	72.54	37.75	110.29	68.20	42.09	Peak	
4	5181.1500	67.07	37.75	104.82	999.00	-894.18	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 5180 MHz

Vertical

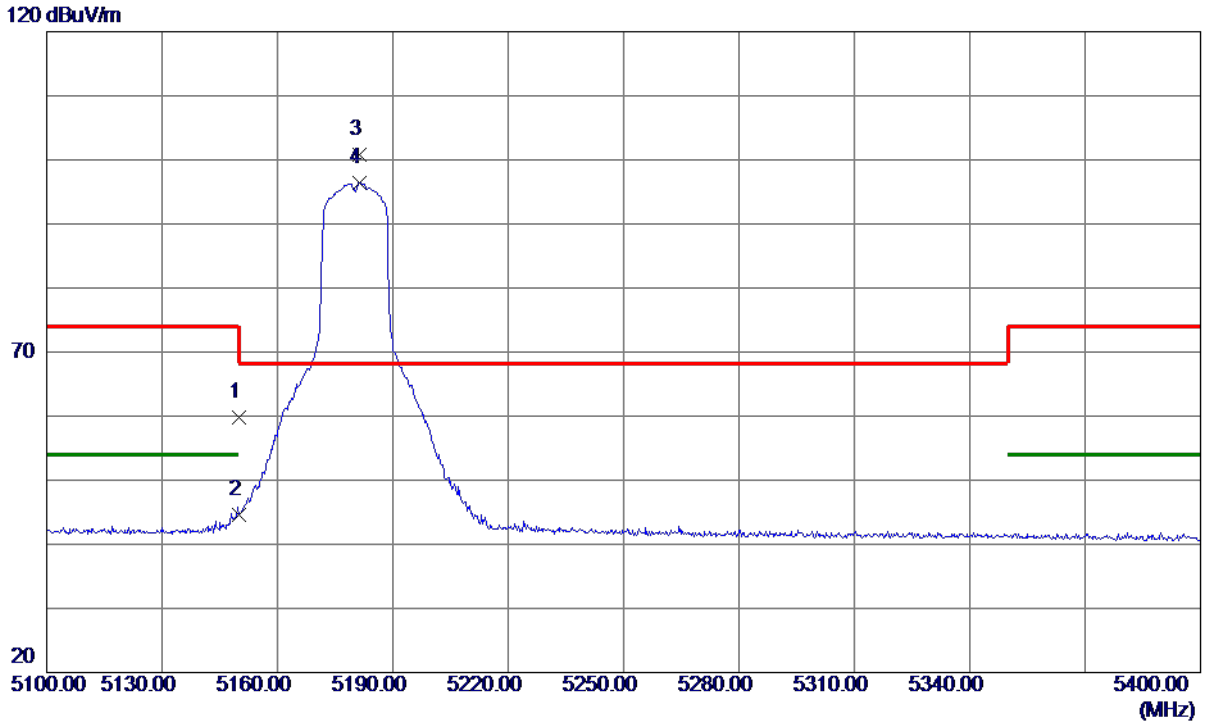


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	57.34	1.65	58.99	68.20	-9.21	Peak	
2	15539.2000	51.71	3.02	54.73	74.00	-19.27	Peak	
3	15539.8430	38.14	3.02	41.16	54.00	-12.84	AVG	

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 5180 MHz

Horizontal

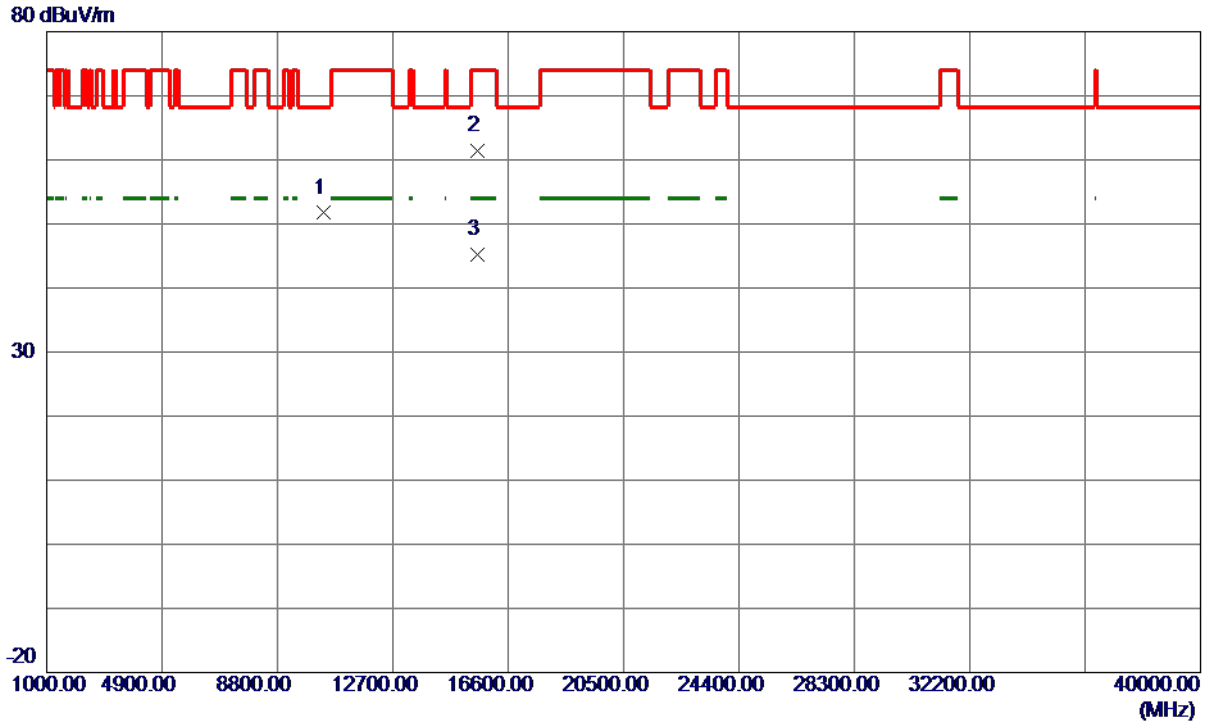


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	21.93	37.88	59.81	74.00	-14.19	Peak	
2	5150.0000	6.65	37.88	44.53	54.00	-9.47	AVG	
3 *	5181.4500	63.02	37.75	100.77	68.20	32.57	Peak	
4	5181.4500	58.70	37.75	96.45	999.00	-902.55	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz

Horizontal

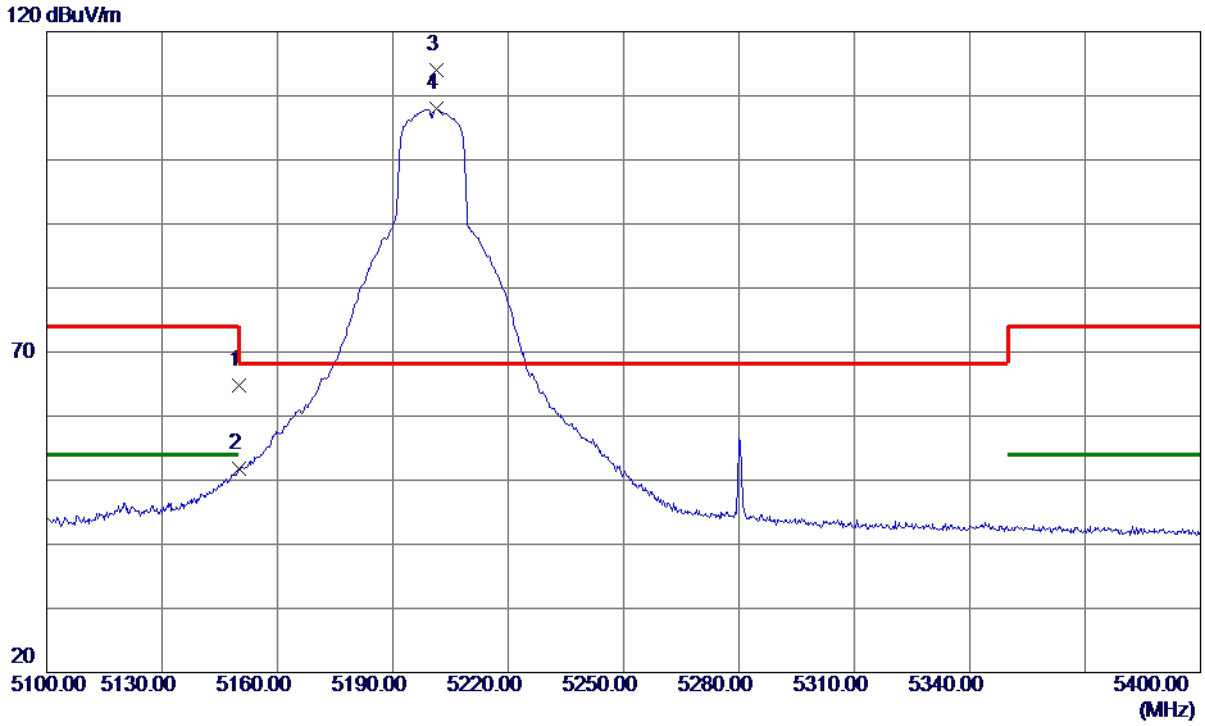


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10356.1000	50.06	1.64	51.70	68.20	-16.50	Peak	
2	15539.2000	58.45	3.02	61.47	74.00	-12.53	Peak	
3 *	15541.9680	42.25	3.01	45.26	54.00	-8.74	AVG	

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 5200 MHz

Vertical

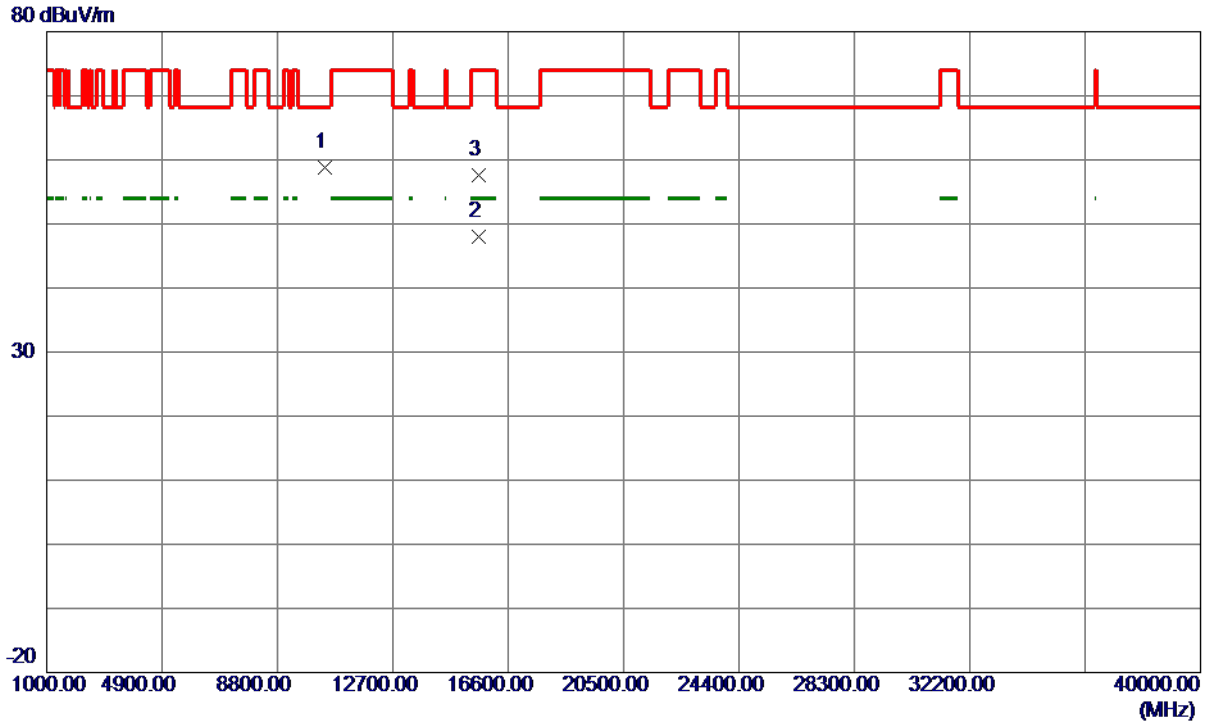


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	26.99	37.88	64.87	74.00	-9.13	Peak	
2	5150.0000	13.99	37.88	51.87	54.00	-2.13	AVG	
3 *	5201.2500	76.37	37.68	114.05	68.20	45.85	Peak	
4	5201.2500	70.30	37.68	107.98	999.00	-891.02	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 5200 MHz

Vertical

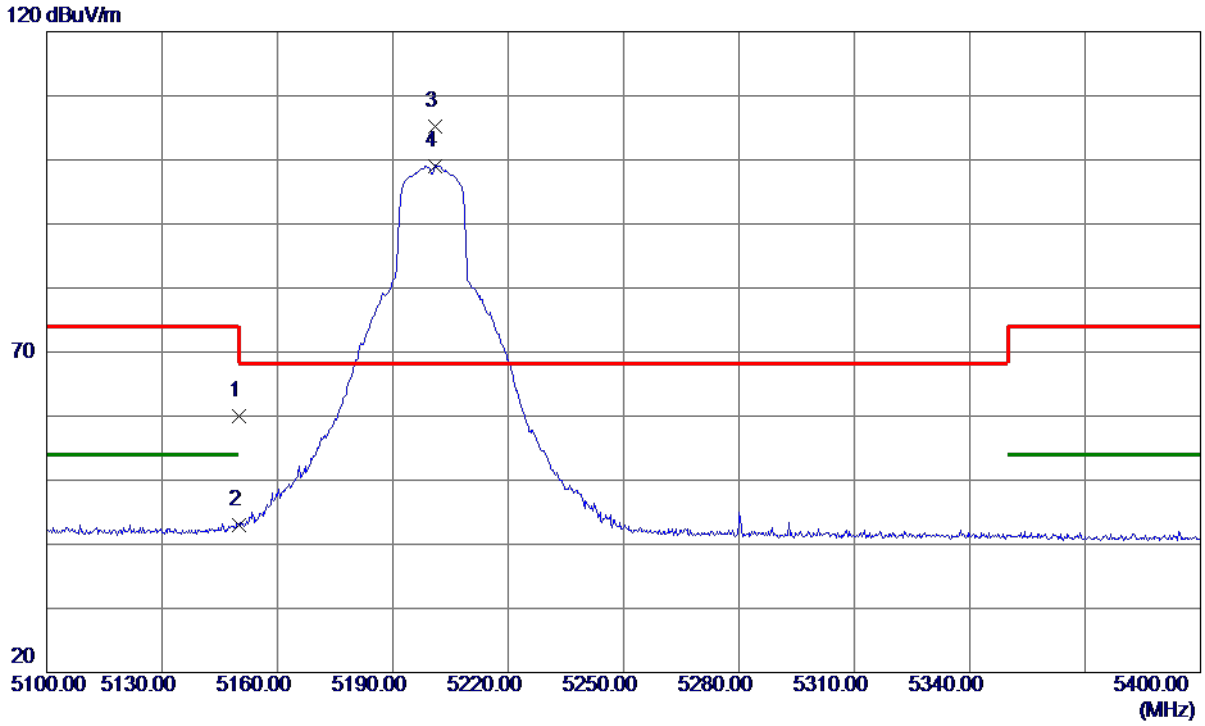


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10400.9500	57.01	1.72	58.73	68.20	-9.47	Peak	
2 *	15602.3780	45.12	2.87	47.99	54.00	-6.01	AVG	
3	15605.5000	54.77	2.86	57.63	74.00	-16.37	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5200 MHz

Horizontal

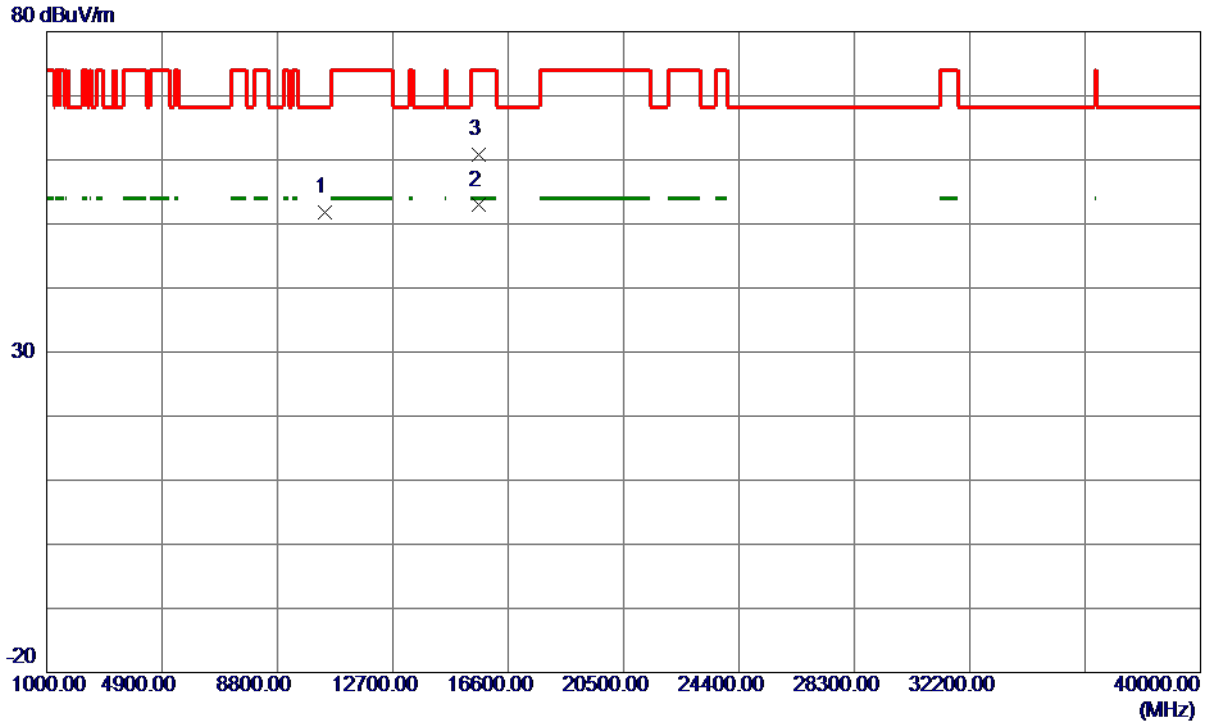


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.10	37.88	59.98	74.00	-14.02	Peak	
2	5150.0000	5.08	37.88	42.96	54.00	-11.04	AVG	
3 *	5201.1000	67.44	37.68	105.12	68.20	36.92	Peak	
4	5201.1000	61.42	37.68	99.10	999.00	-899.90	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 5200 MHz

Horizontal

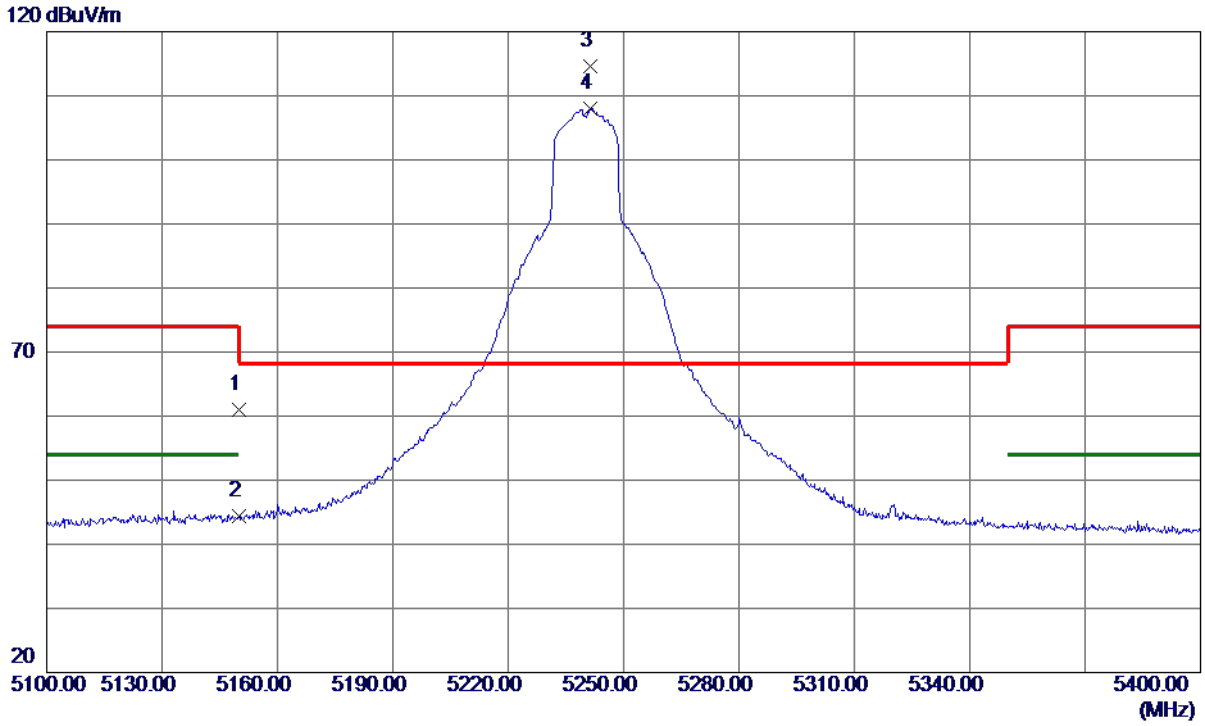


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10402.9000	50.17	1.72	51.89	68.20	-16.31	Peak	
2 *	15602.5520	50.03	2.87	52.90	54.00	-1.10	AVG	
3	15603.5500	57.98	2.87	60.85	74.00	-13.15	Peak	

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 5240 MHz

Vertical

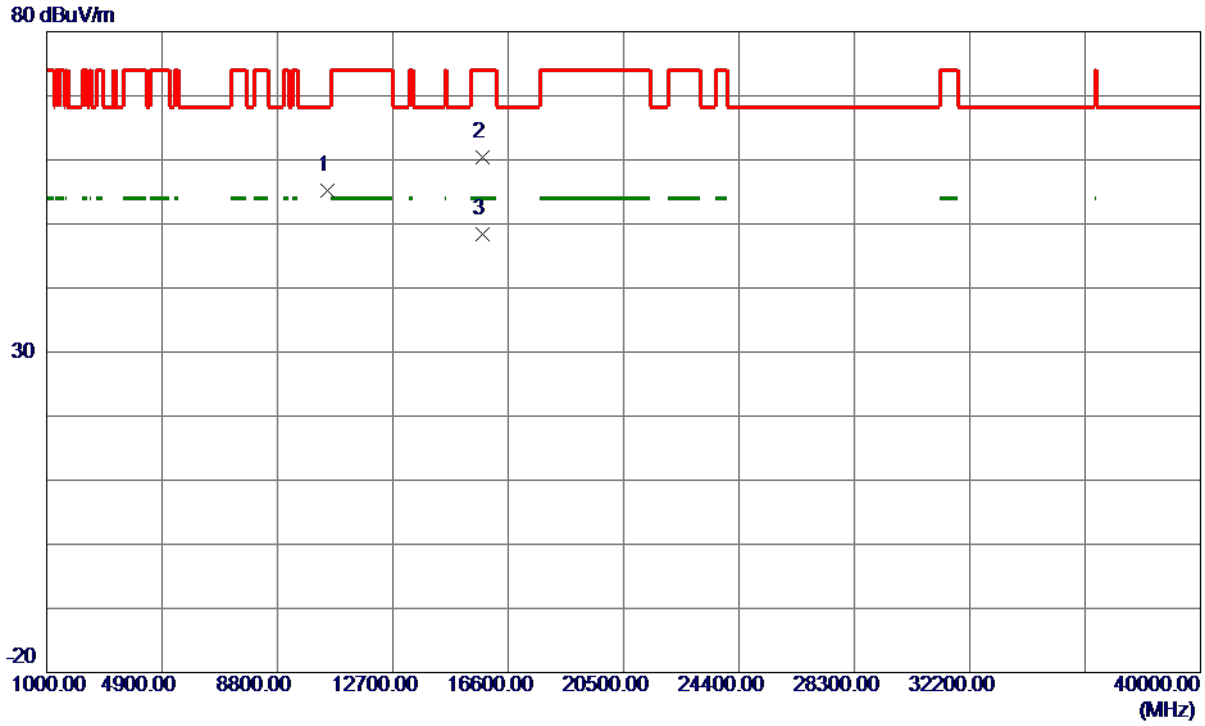


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.13	37.88	61.01	74.00	-12.99	Peak	
2	5150.0000	6.56	37.88	44.44	54.00	-9.56	AVG	
3 *	5241.3000	77.04	37.62	114.66	68.20	46.46	Peak	
4	5241.3000	70.44	37.62	108.06	999.00	-890.94	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5240 MHz

Vertical

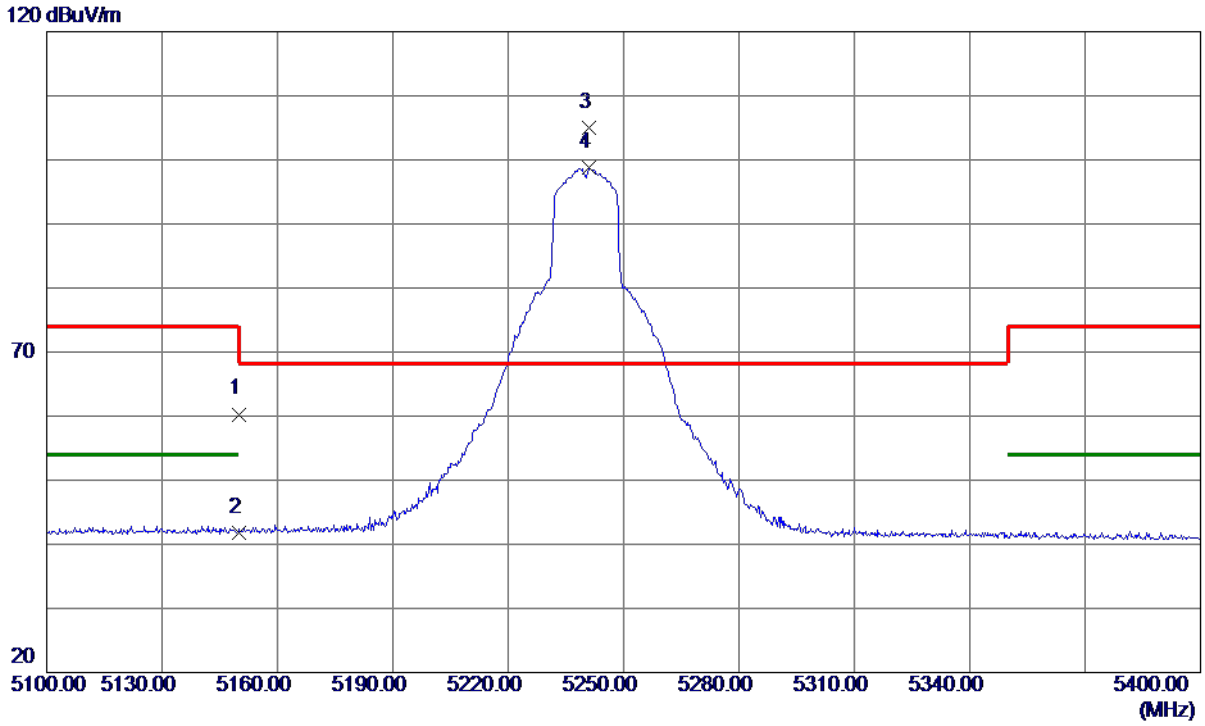


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10475.0500	53.48	1.79	55.27	68.20	-12.93	Peak	
2	15716.6500	57.66	2.75	60.41	74.00	-13.59	Peak	
3 *	15722.5670	45.65	2.75	48.40	54.00	-5.60	AVG	

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 5240 MHz

Horizontal

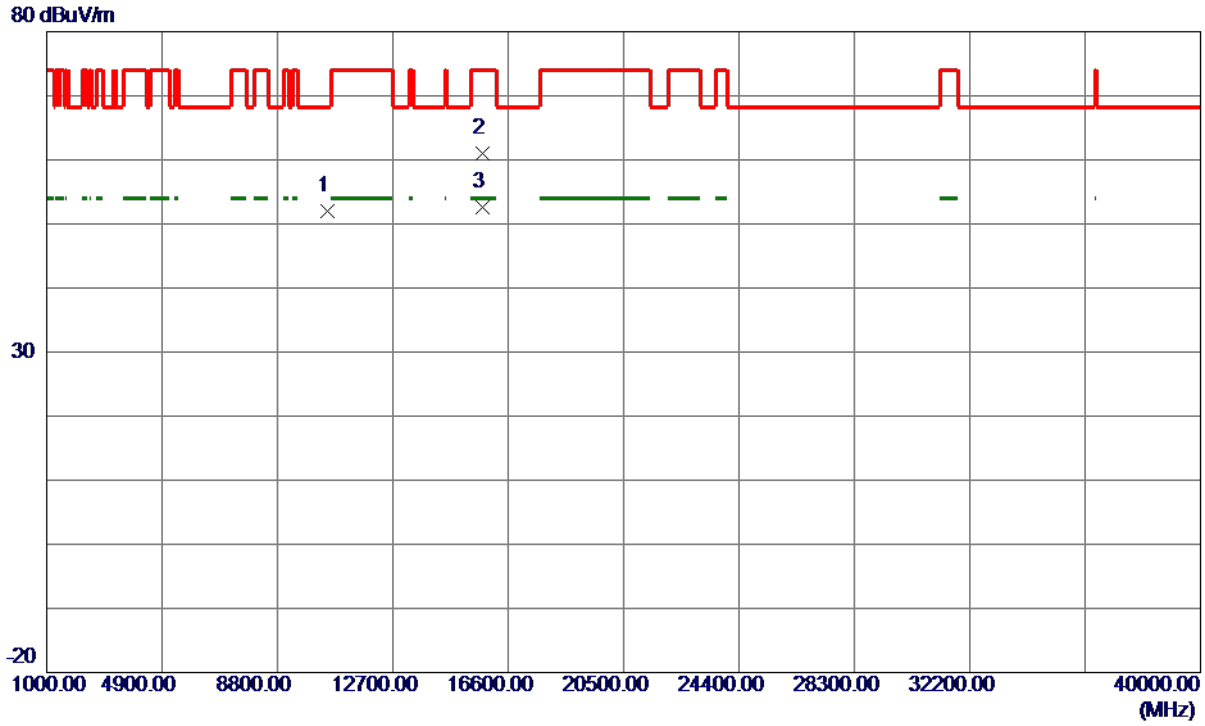


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.42	37.88	60.30	74.00	-13.70	Peak	
2	5150.0000	3.92	37.88	41.80	54.00	-12.20	AVG	
3 *	5241.1500	67.28	37.62	104.90	68.20	36.70	Peak	
4	5241.1500	61.14	37.62	98.76	999.00	-900.24	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 5240 MHz

Horizontal

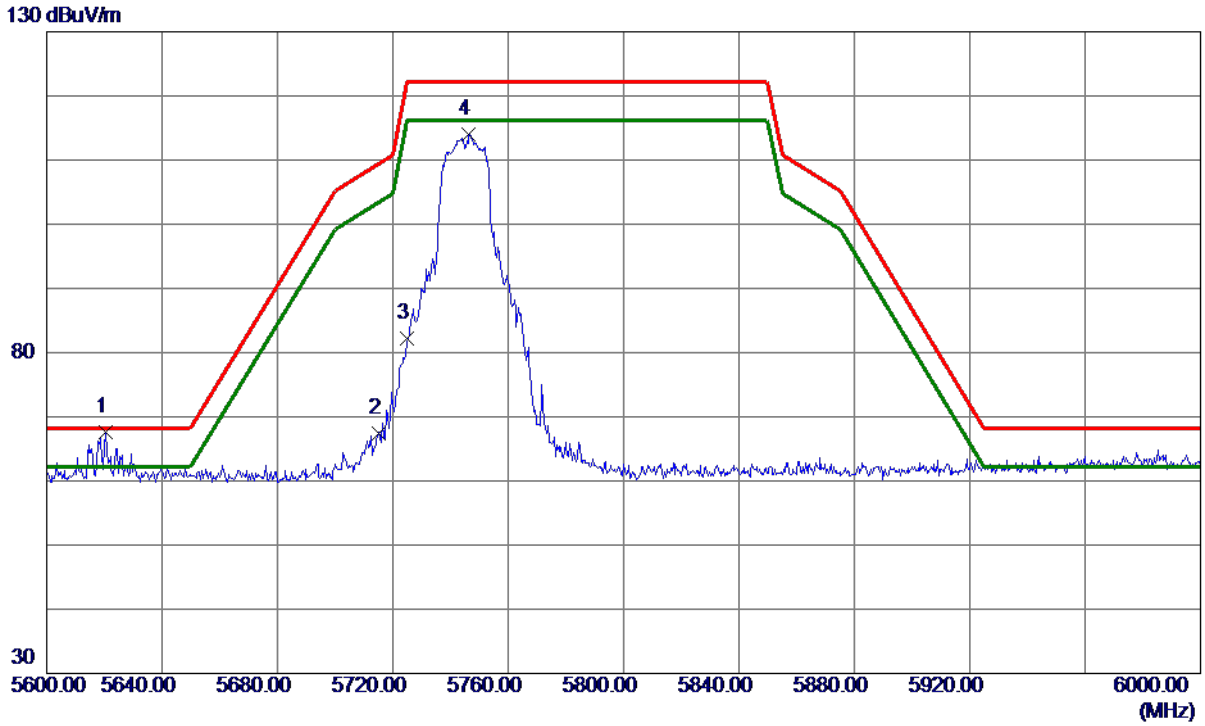


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10478.9500	50.20	1.80	52.00	68.20	-16.20	Peak	
2	15718.6000	58.21	2.75	60.96	74.00	-13.04	Peak	
3 *	15722.1280	49.77	2.75	52.52	54.00	-1.48	AVG	

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 5745 MHz

Vertical

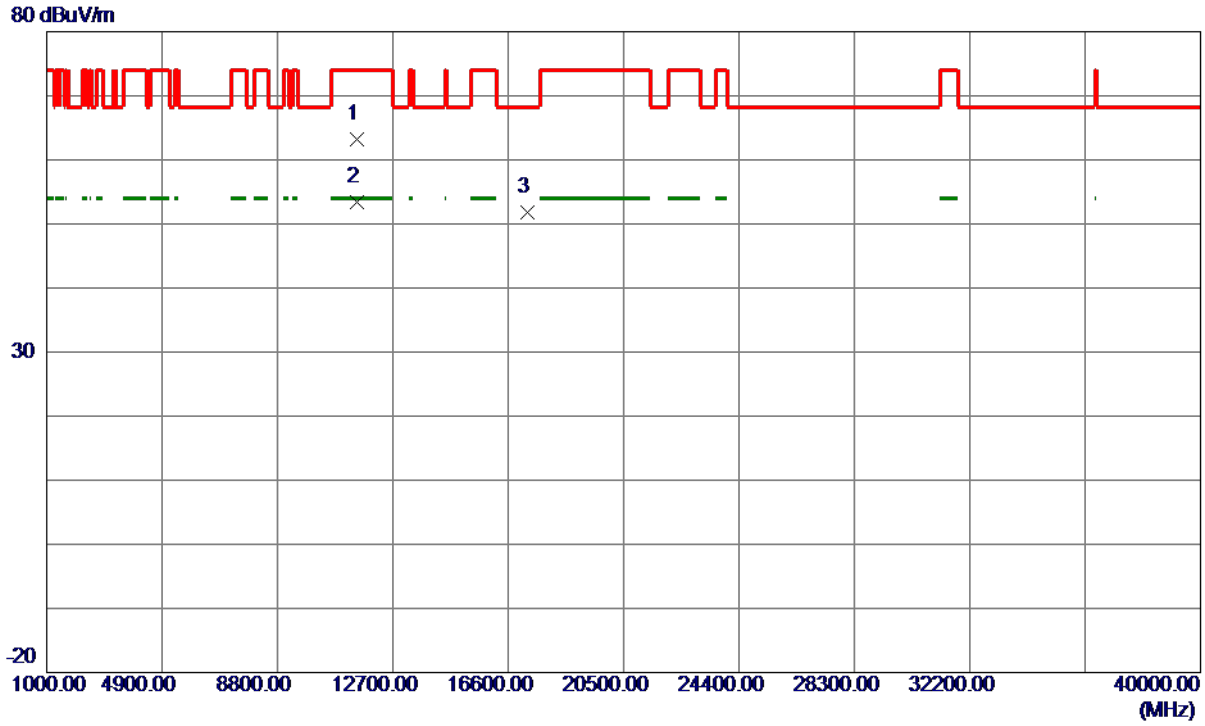


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5620.4000	29.32	38.35	67.67	68.20	-0.53	Peak	
2	5715.0000	29.03	38.46	67.49	109.40	-41.91	Peak	
3	5725.0000	43.76	38.50	82.26	122.20	-39.94	Peak	
4	5746.4000	75.47	38.58	114.05	122.20	-8.15	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 5745 MHz

Vertical

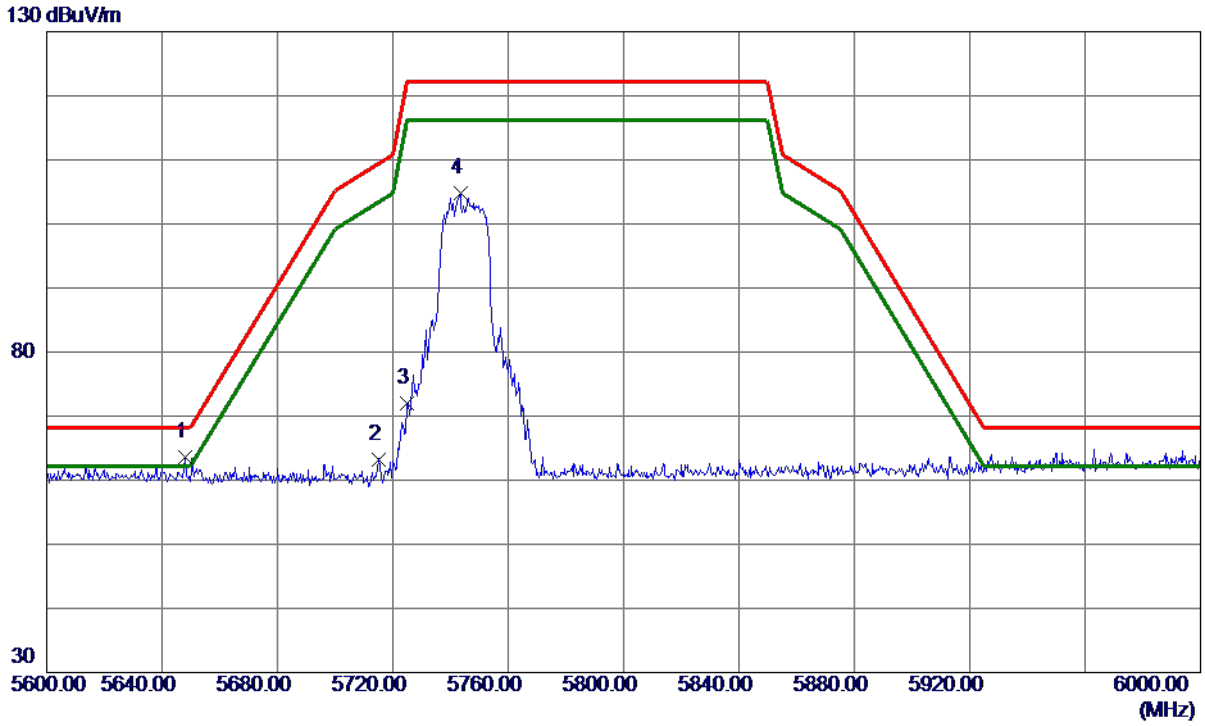


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11487.1000	61.01	2.20	63.21	74.00	-10.79	Peak	
2 *	11489.9420	51.25	2.21	53.46	54.00	-0.54	AVG	
3	17239.6000	45.14	6.66	51.80	68.20	-16.40	Peak	

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 5745 MHz

Horizontal

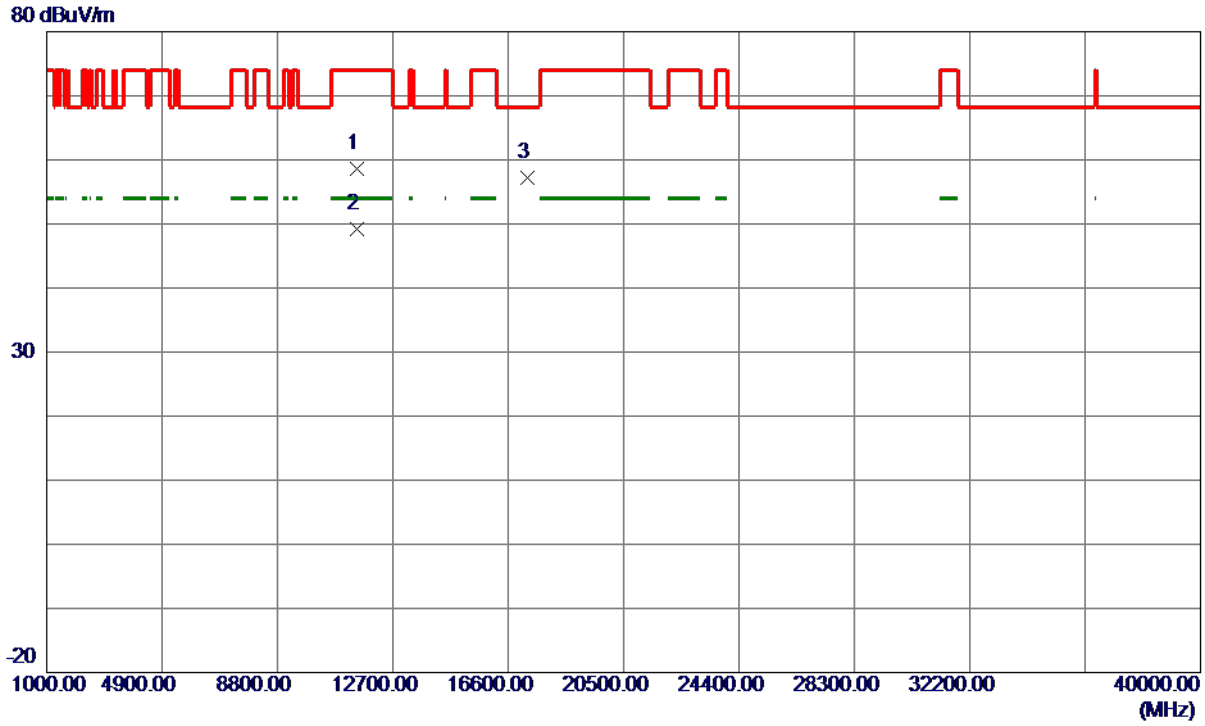


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5648.2000	25.25	38.37	63.62	68.20	-4.58	Peak	
2	5715.0000	24.67	38.46	63.13	109.40	-46.27	Peak	
3	5725.0000	33.45	38.50	71.95	122.20	-50.25	Peak	
4	5743.4000	66.20	38.57	104.77	122.20	-17.43	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 5745 MHz

Horizontal

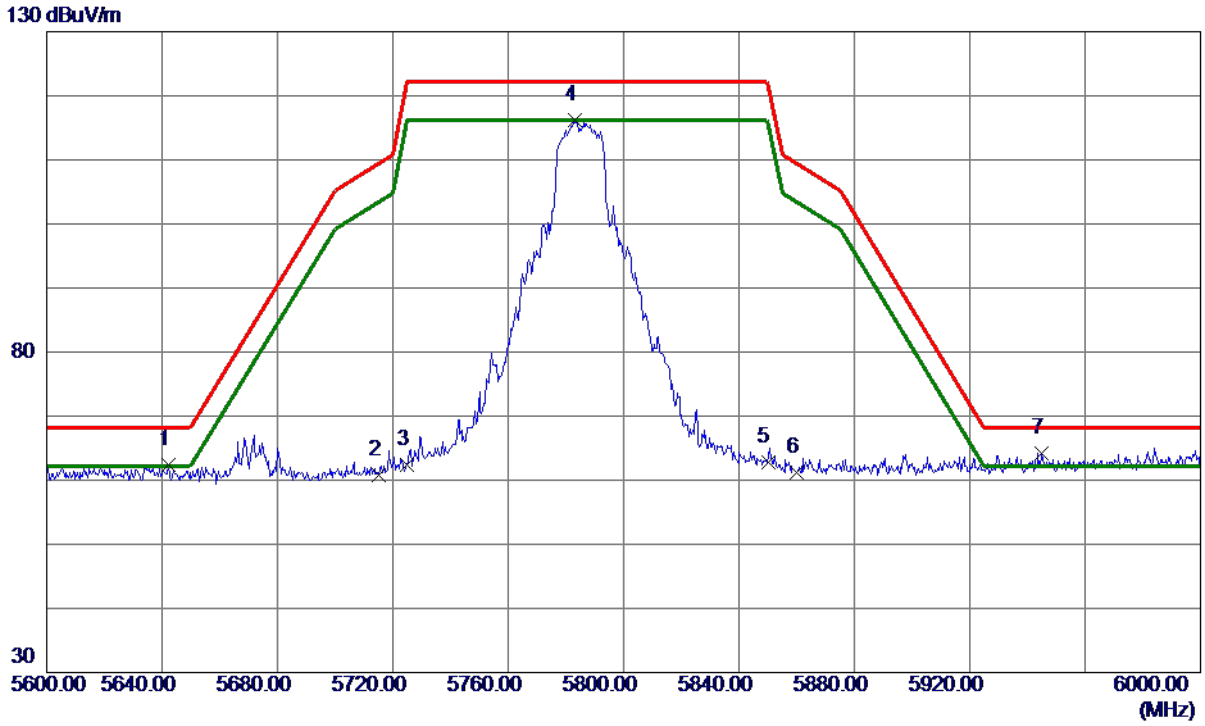


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11485.1500	56.43	2.20	58.63	74.00	-15.37	Peak	
2 *	11489.8019	47.00	2.21	49.21	54.00	-4.79	AVG	
3	17231.8000	50.51	6.61	57.12	68.20	-11.08	Peak	

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 5785 MHz

Vertical

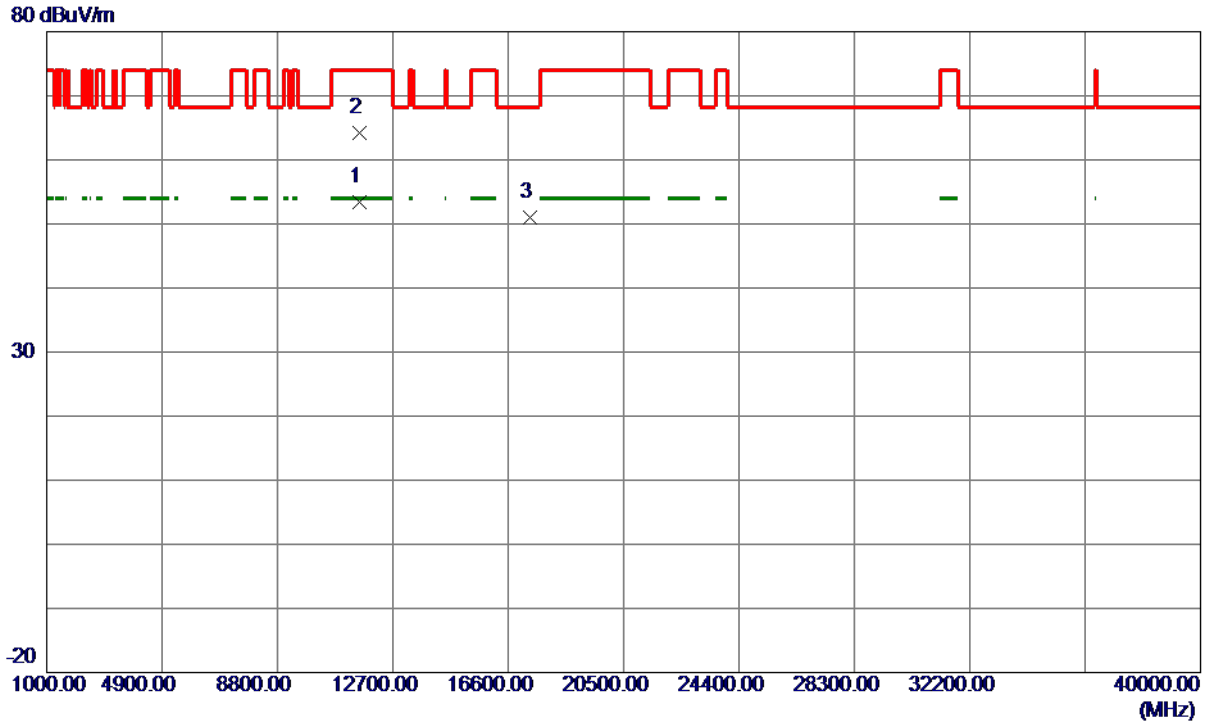


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5642.4000	23.95	38.37	62.32	68.20	-5.88	Peak	
2	5715.0000	22.43	38.46	60.89	109.40	-48.51	Peak	
3	5725.0000	23.82	38.50	62.32	122.20	-59.88	Peak	
4	5783.0000	77.55	38.72	116.27	122.20	-5.93	Peak	
5	5850.0000	23.85	38.91	62.76	122.20	-59.44	Peak	
6	5860.0000	22.24	38.94	61.18	109.40	-48.22	Peak	
7 *	5945.0000	25.12	39.14	64.26	68.20	-3.94	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 5785 MHz

Vertical

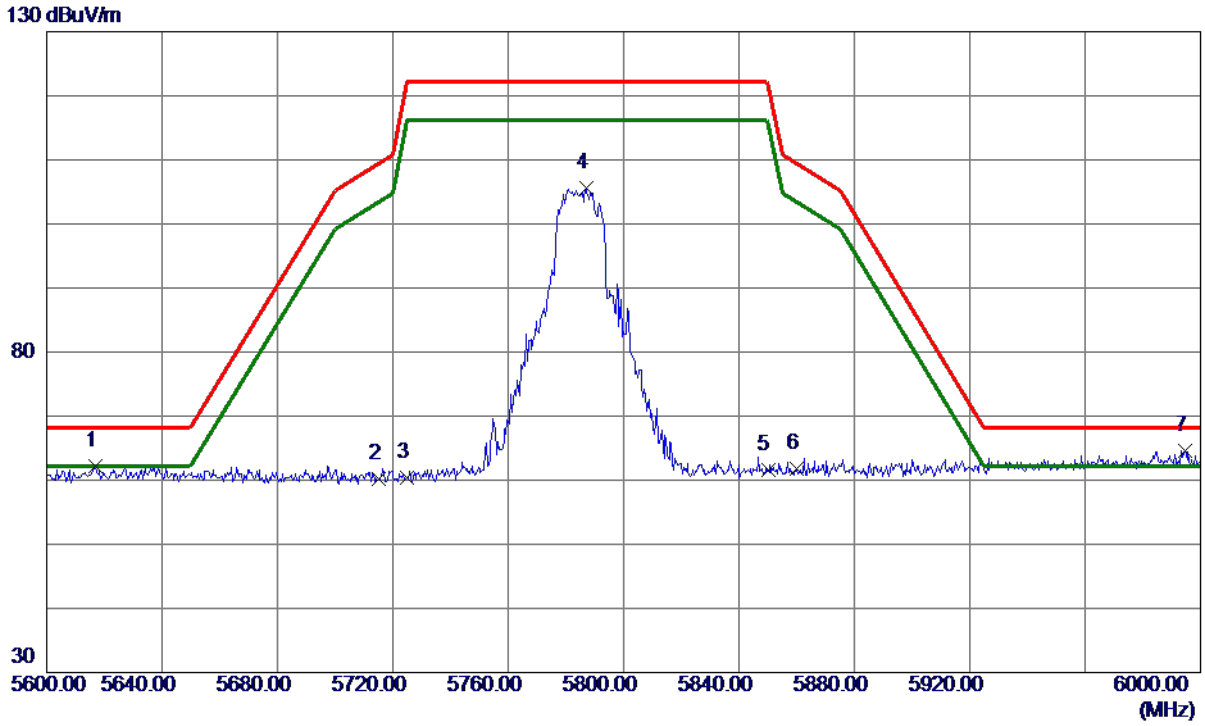


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11570.2080	51.05	2.27	53.32	54.00	-0.68	AVG	
2	11570.9500	61.86	2.28	64.14	74.00	-9.86	Peak	
3	17352.7000	43.72	7.37	51.09	68.20	-17.11	Peak	

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 5785 MHz

Horizontal

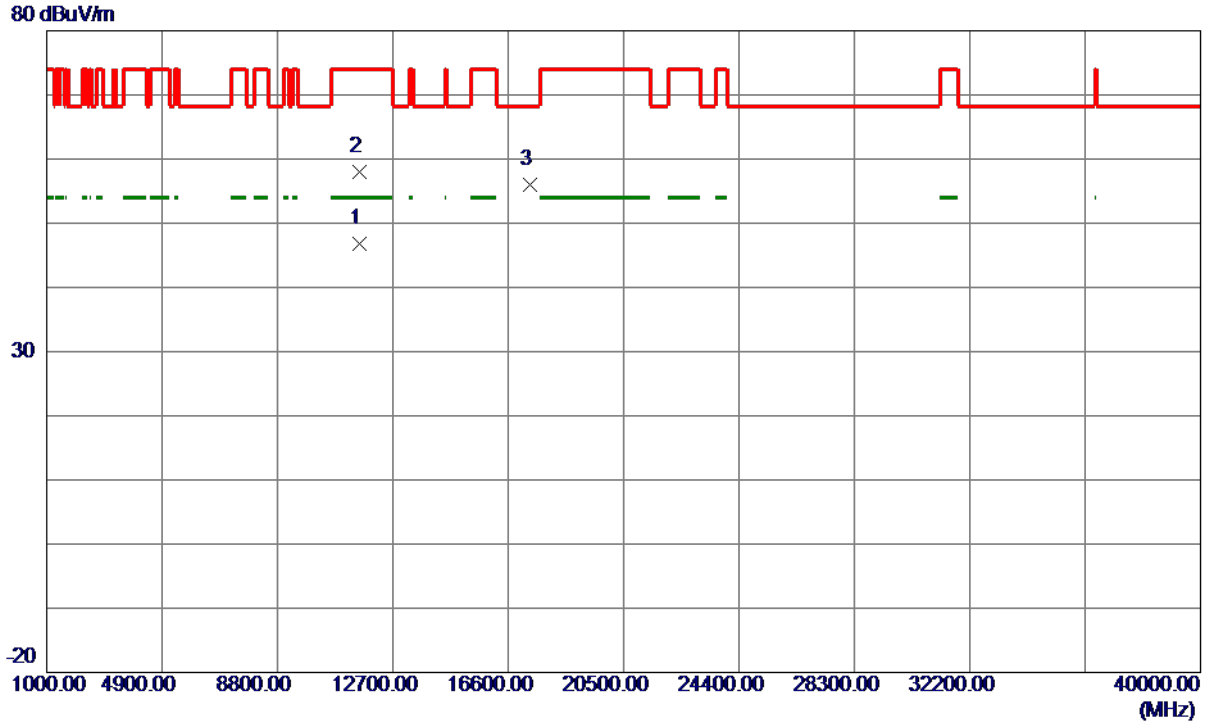


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5616.8000	23.90	38.35	62.25	68.20	-5.95	Peak	
2	5715.0000	21.77	38.46	60.23	109.40	-49.17	Peak	
3	5725.0000	21.97	38.50	60.47	122.20	-61.73	Peak	
4	5787.0000	66.85	38.73	105.58	122.20	-16.62	Peak	
5	5850.0000	22.68	38.91	61.59	122.20	-60.61	Peak	
6	5860.0000	22.79	38.94	61.73	109.40	-47.67	Peak	
7 *	5994.6000	25.37	39.24	64.61	68.20	-3.59	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 5785 MHz

Horizontal

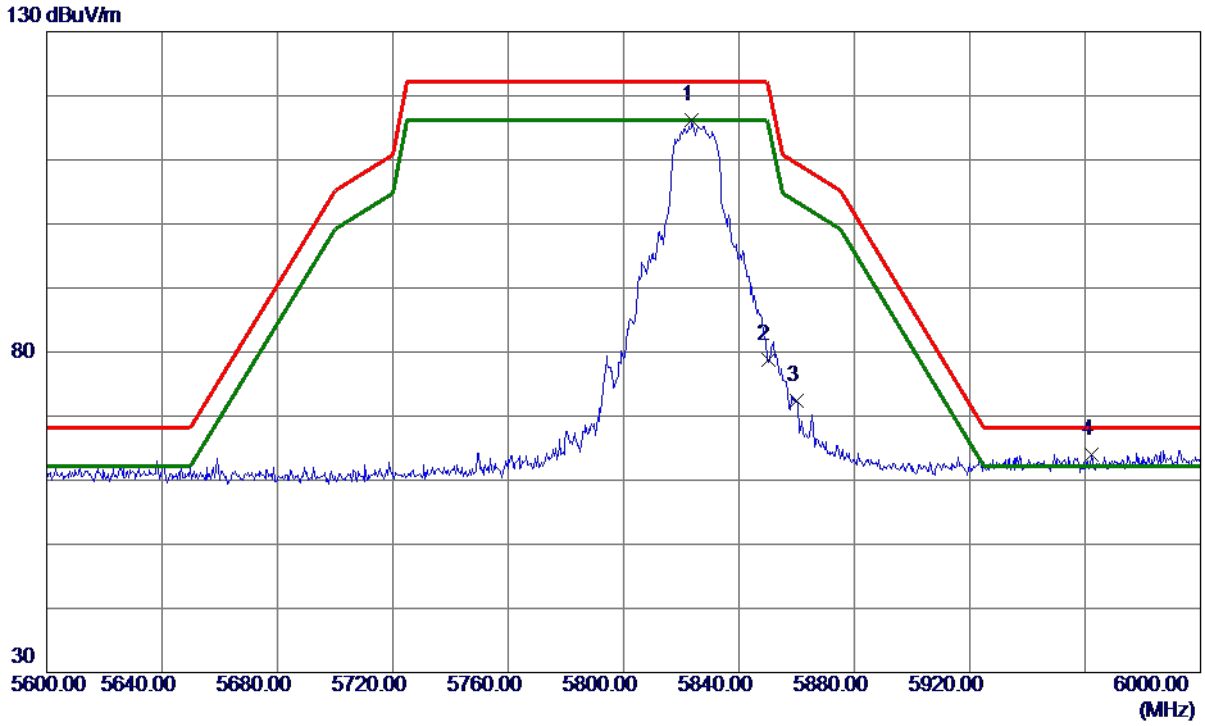


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11570.2370	44.52	2.27	46.79	54.00	-7.21	AVG	
2	11574.8500	55.81	2.28	58.09	74.00	-15.91	Peak	
3	17350.7500	48.58	7.36	55.94	68.20	-12.26	Peak	

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 5825 MHz

Vertical

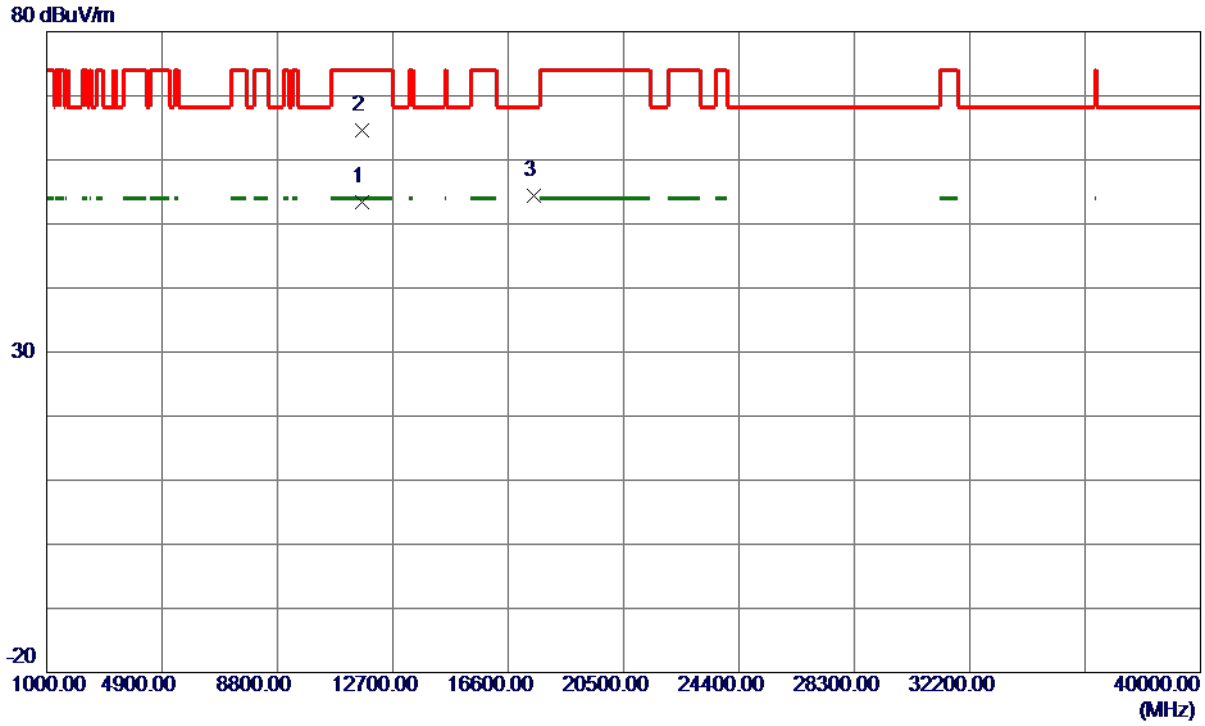


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5823.6000	77.45	38.84	116.29	122.20	-5.91	Peak	
2	5850.0000	39.80	38.91	78.71	122.20	-43.49	Peak	
3	5860.0000	33.45	38.94	72.39	109.40	-37.01	Peak	
4 *	5962.2000	24.86	39.17	64.03	68.20	-4.17	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 5825 MHz

Vertical

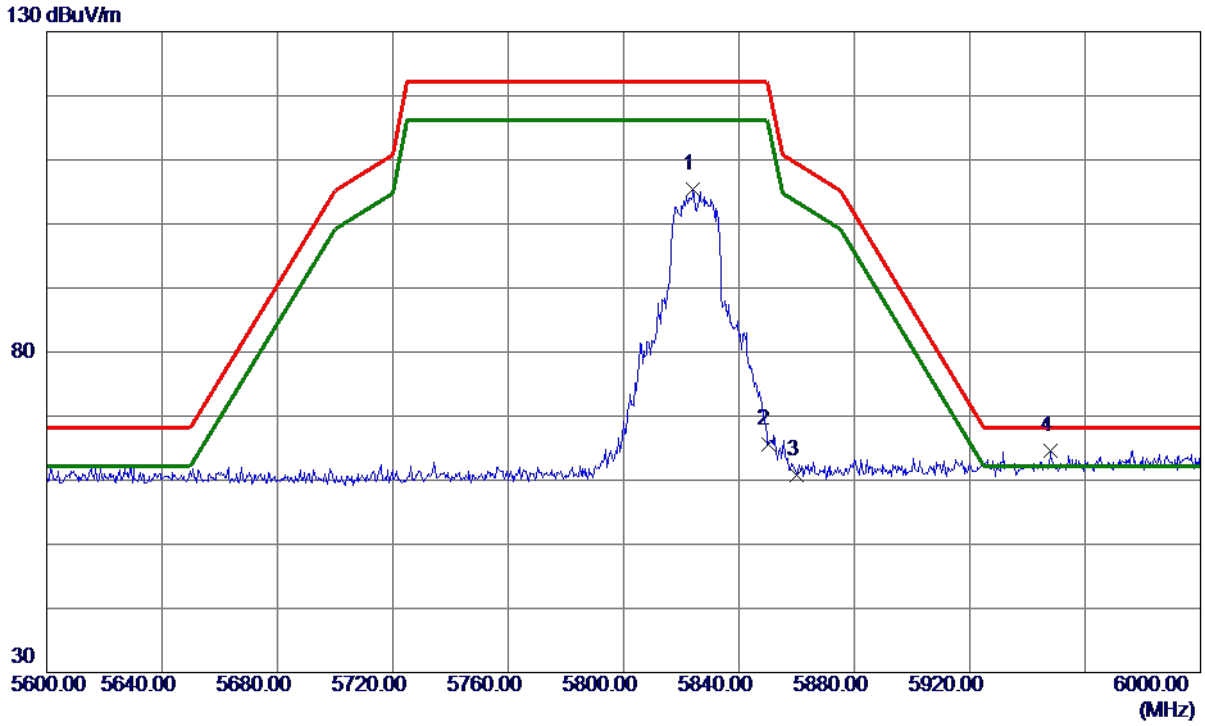


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11650.2720	51.22	2.10	53.32	54.00	-0.68	AVG	
2	11650.9000	62.41	2.10	64.51	74.00	-9.49	Peak	
3	17469.7000	46.46	8.00	54.46	68.20	-13.74	Peak	

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 5825 MHz

Horizontal

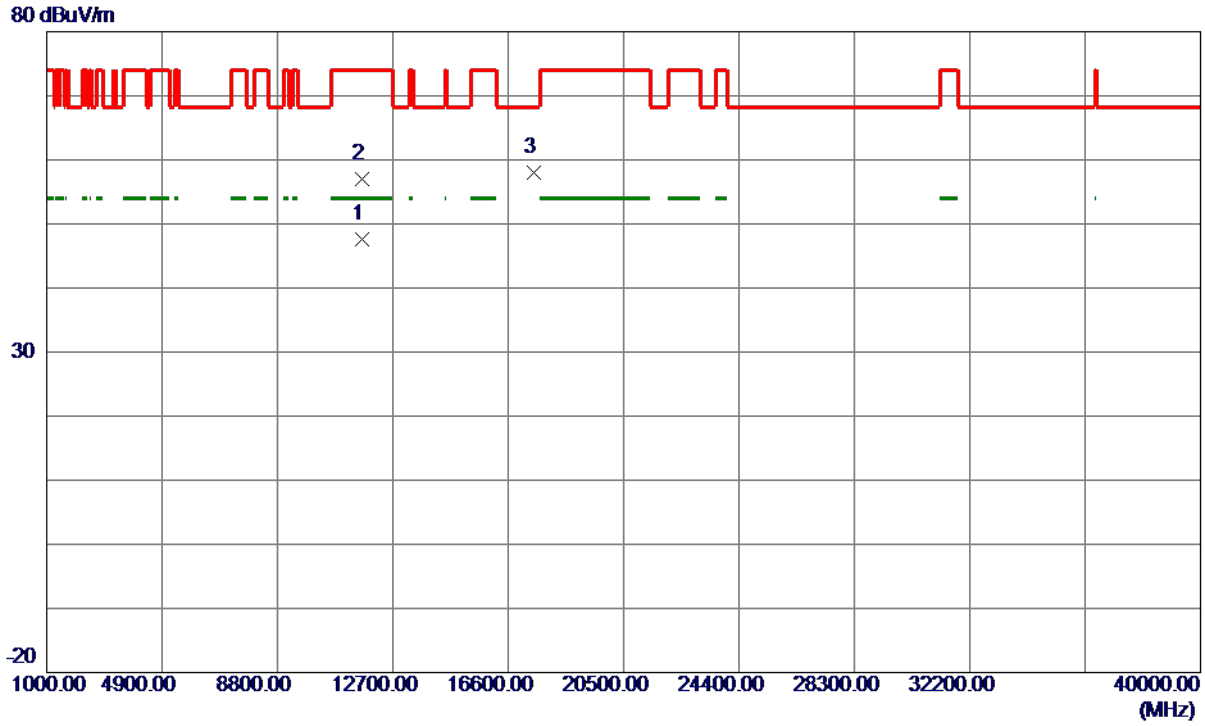


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5824.0000	66.60	38.84	105.44	122.20	-16.76	Peak	
2	5850.0000	26.68	38.91	65.59	122.20	-56.61	Peak	
3	5860.0000	21.89	38.94	60.83	109.40	-48.57	Peak	
4 *	5947.8000	25.45	39.15	64.60	68.20	-3.60	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 5825 MHz

Horizontal

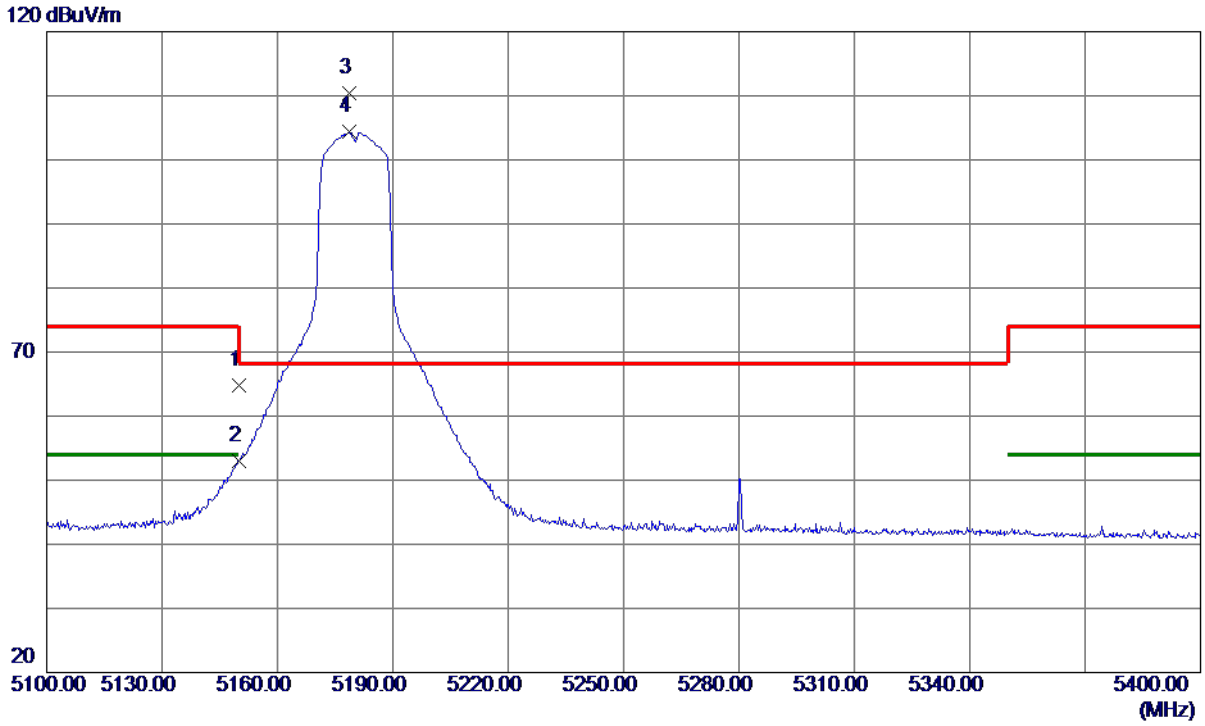


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11650.3200	45.41	2.10	47.51	54.00	-6.49	AVG	
2	11654.8000	54.87	2.09	56.96	74.00	-17.04	Peak	
3	17469.7000	49.93	8.00	57.93	68.20	-10.27	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5180 MHz

Vertical

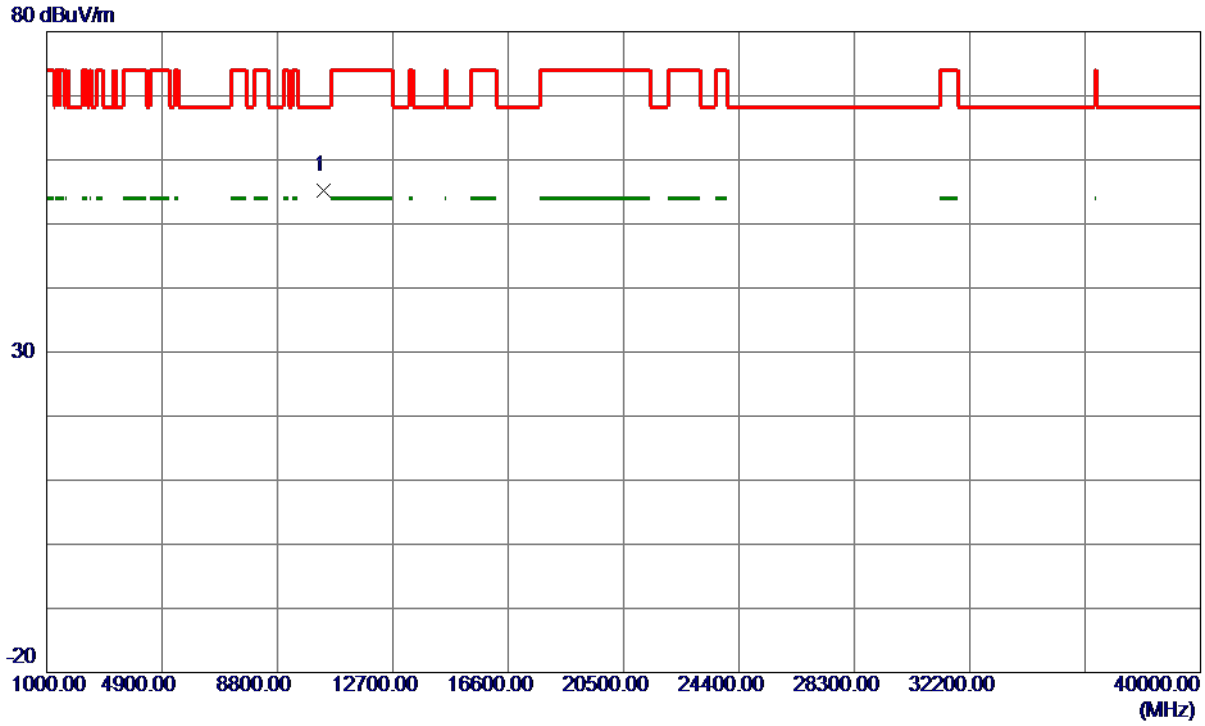


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	26.86	37.88	64.74	74.00	-9.26	Peak	
2	5150.0000	15.10	37.88	52.98	54.00	-1.02	AVG	
3 *	5178.7500	72.61	37.76	110.37	68.20	42.17	Peak	
4	5178.7500	66.64	37.76	104.40	999.00	-894.60	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 (VHT20) Mode 5180 MHz

Vertical

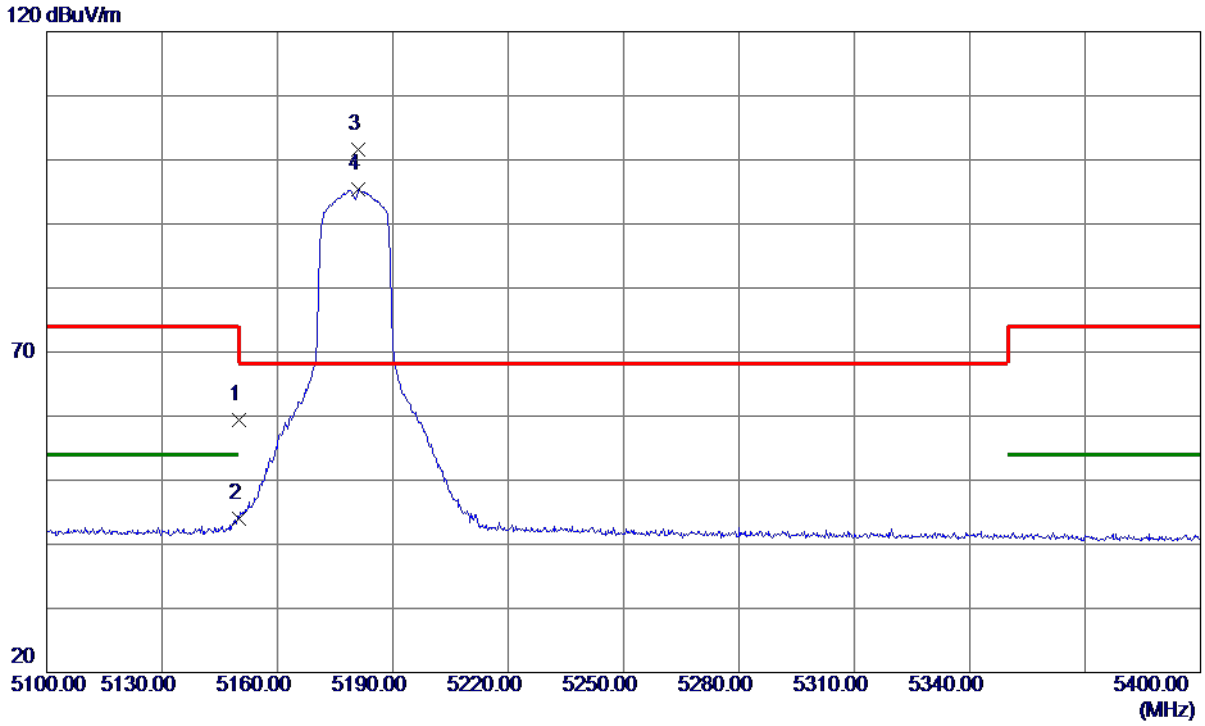


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	53.63	1.65	55.28	68.20	-12.92	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5180 MHz

Horizontal

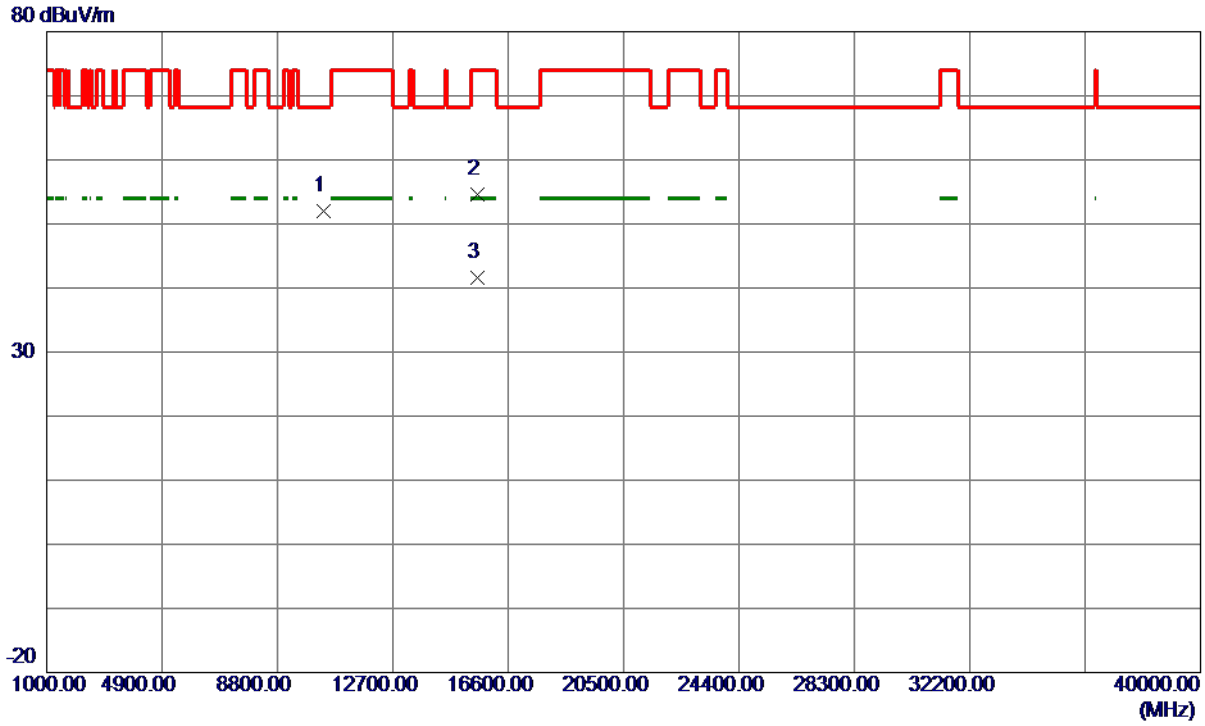


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	21.59	37.88	59.47	74.00	-14.53	Peak	
2	5150.0000	6.17	37.88	44.05	54.00	-9.95	AVG	
3 *	5181.0000	63.89	37.75	101.64	68.20	33.44	Peak	
4	5181.0000	57.65	37.75	95.40	999.00	-903.60	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 (VHT20) Mode 5180 MHz

Horizontal

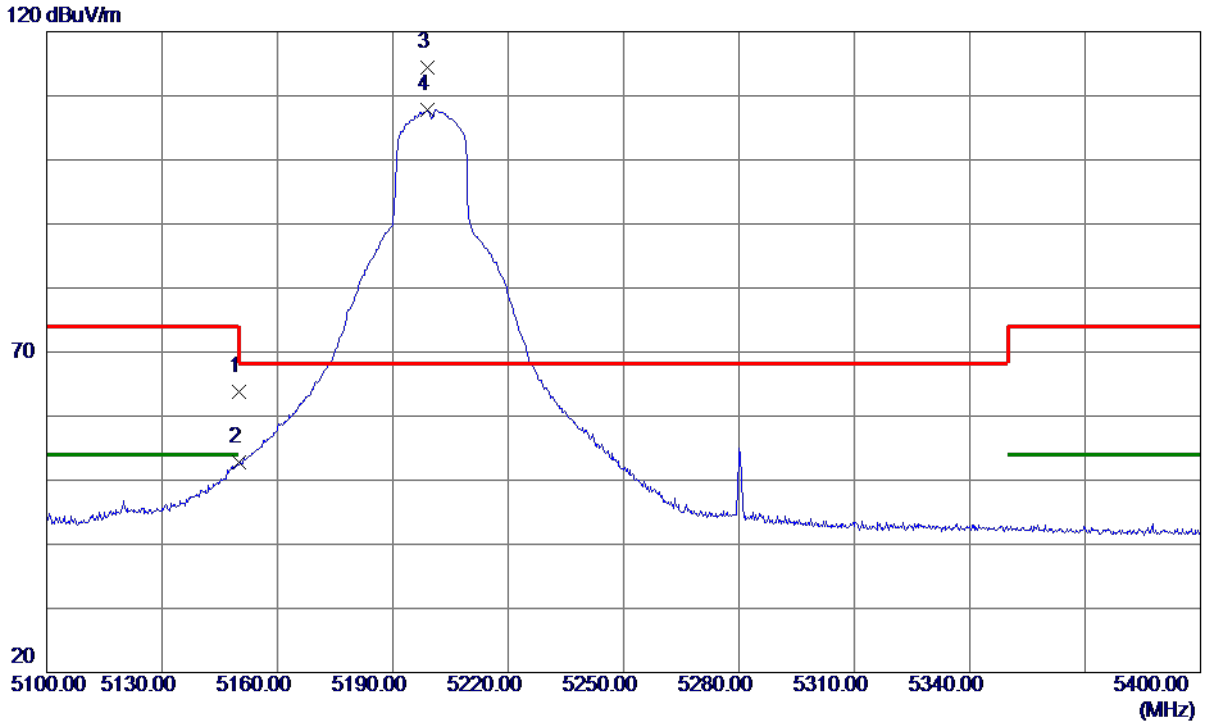


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10358.0500	50.31	1.64	51.95	68.20	-16.25	Peak	
2	15539.2000	51.50	3.02	54.52	74.00	-19.48	Peak	
3 *	15540.6200	38.65	3.02	41.67	54.00	-12.33	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5200 MHz

Vertical

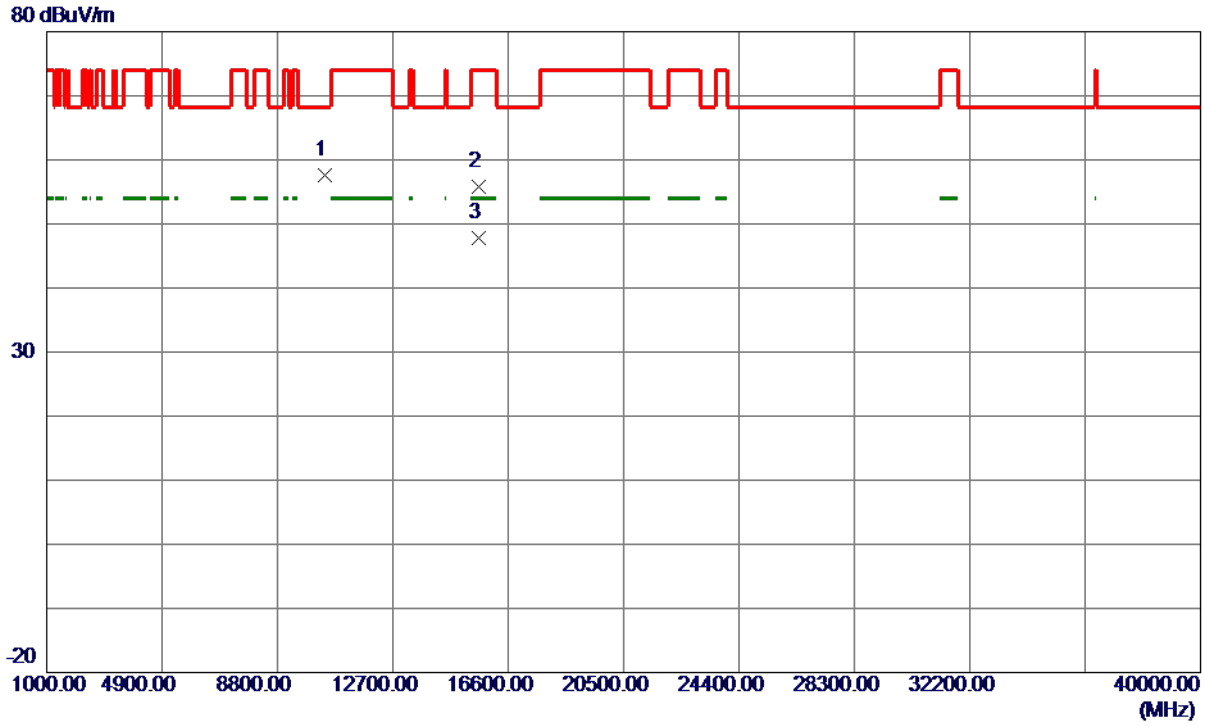


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	25.87	37.88	63.75	74.00	-10.25	Peak	
2	5150.0000	14.85	37.88	52.73	54.00	-1.27	AVG	
3 *	5198.8500	76.77	37.68	114.45	68.20	46.25	Peak	
4	5198.8500	70.17	37.68	107.85	999.00	-891.15	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5200 MHz

Vertical

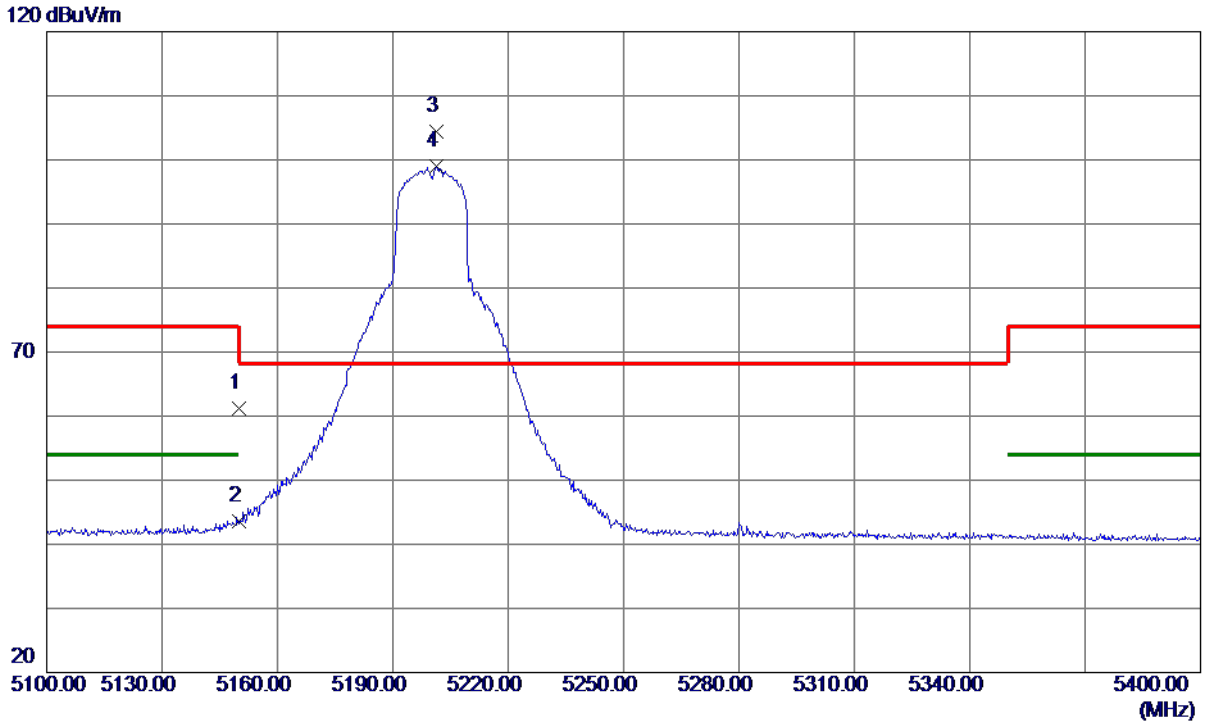


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10397.0500	55.94	1.71	57.65	68.20	-10.55	Peak	
2	15597.7000	52.97	2.88	55.85	74.00	-18.15	Peak	
3 *	15602.5100	44.85	2.87	47.72	54.00	-6.28	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5200 MHz

Horizontal

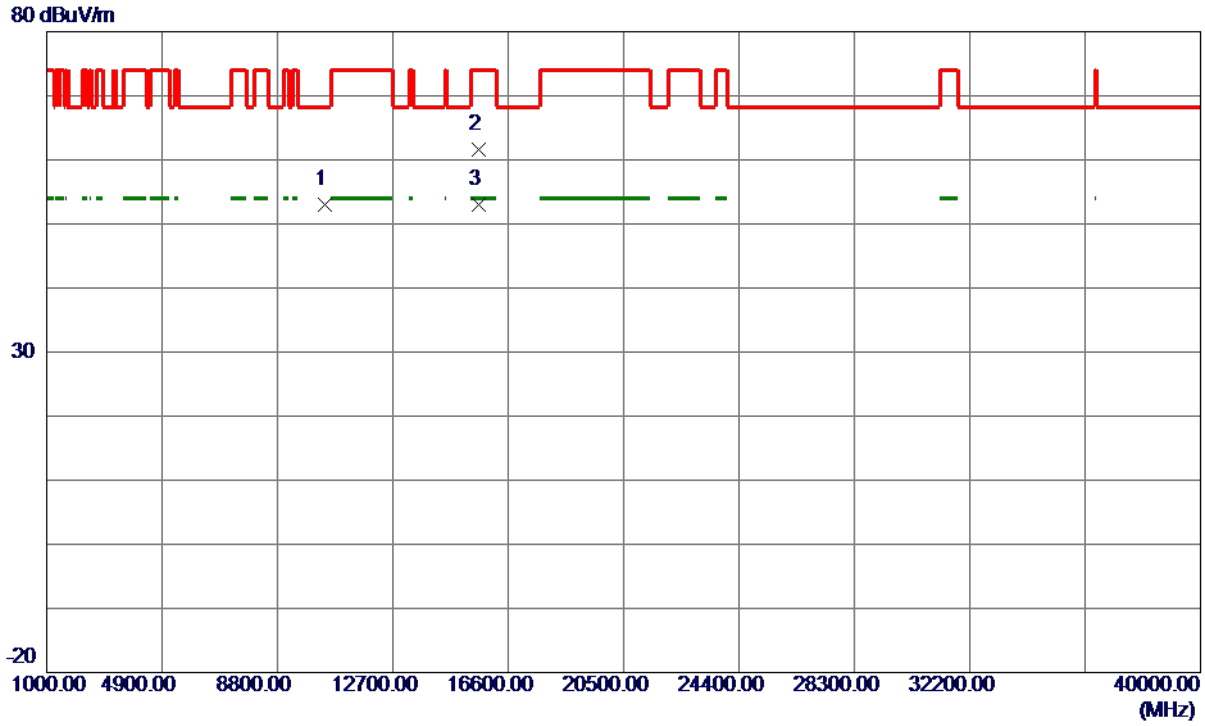


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.37	37.88	61.25	74.00	-12.75	Peak	
2	5150.0000	5.67	37.88	43.55	54.00	-10.45	AVG	
3 *	5201.2500	66.63	37.68	104.31	68.20	36.11	Peak	
4	5201.2500	61.29	37.68	98.97	999.00	-900.03	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 (VHT20) Mode 5200 MHz

Horizontal

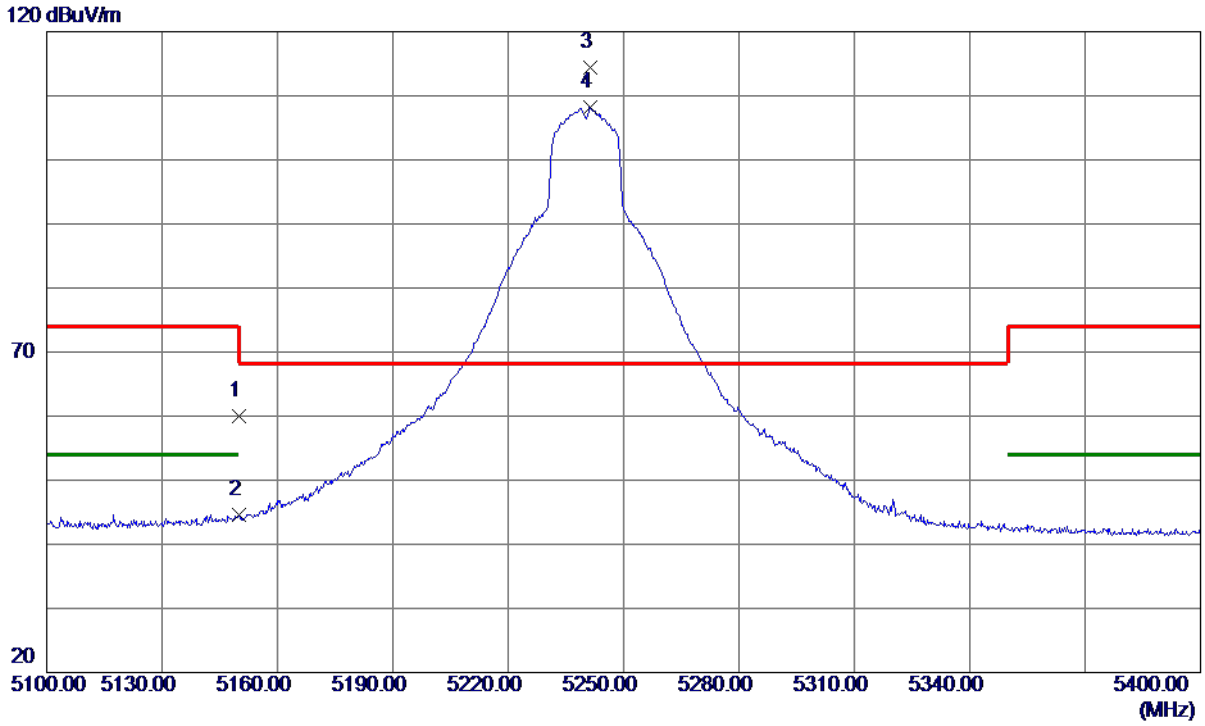


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10402.9000	51.31	1.72	53.03	68.20	-15.17	Peak	
2	15593.8000	58.73	2.89	61.62	74.00	-12.38	Peak	
3 *	15602.8430	50.16	2.87	53.03	54.00	-0.97	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5240 MHz

Vertical

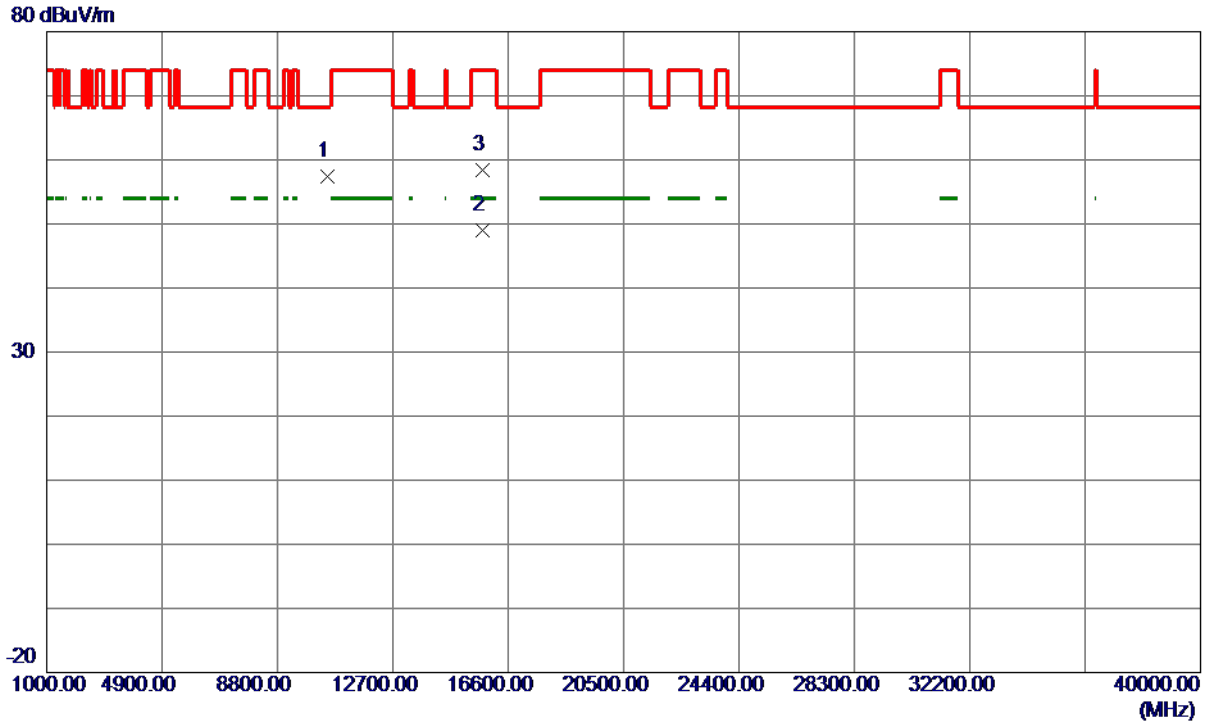


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.11	37.88	59.99	74.00	-14.01	Peak	
2	5150.0000	6.64	37.88	44.52	54.00	-9.48	AVG	
3 *	5241.3000	76.83	37.62	114.45	68.20	46.25	Peak	
4	5241.3000	70.68	37.62	108.30	999.00	-890.70	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5240 MHz

Vertical

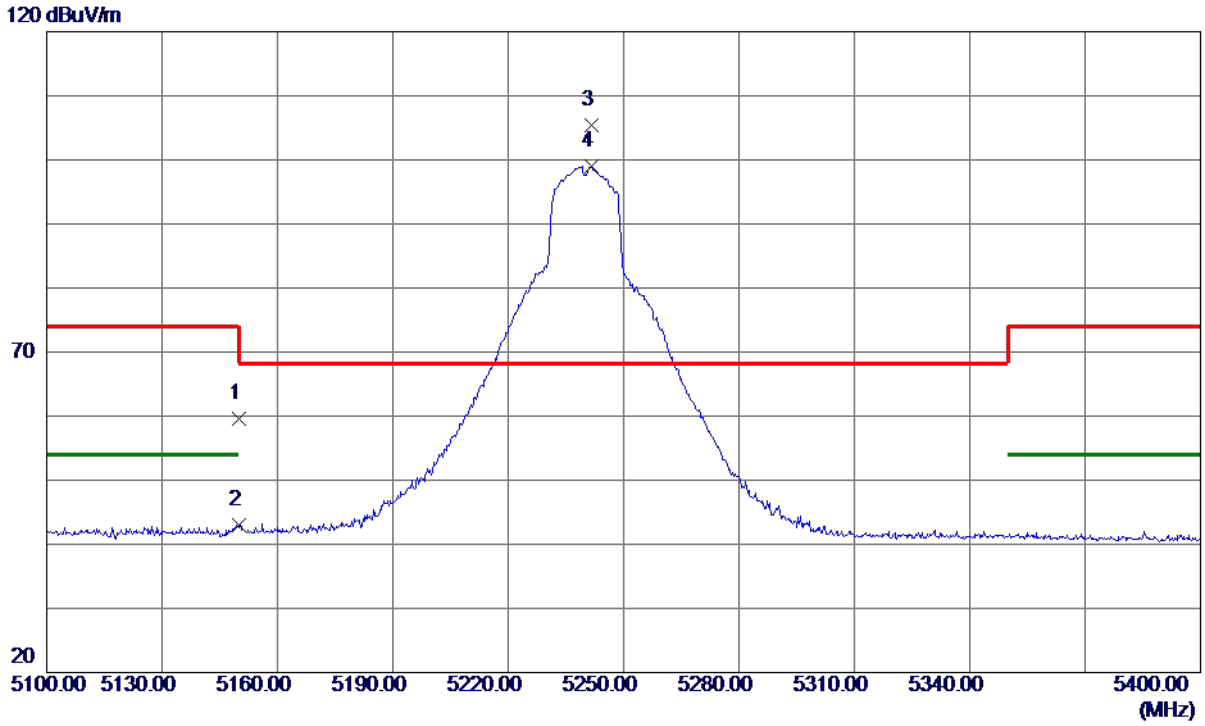


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10478.9500	55.53	1.80	57.33	68.20	-10.87	Peak	
2 *	15722.7780	46.32	2.75	49.07	54.00	-4.93	AVG	
3	15728.3500	55.72	2.74	58.46	74.00	-15.54	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5240 MHz

Horizontal

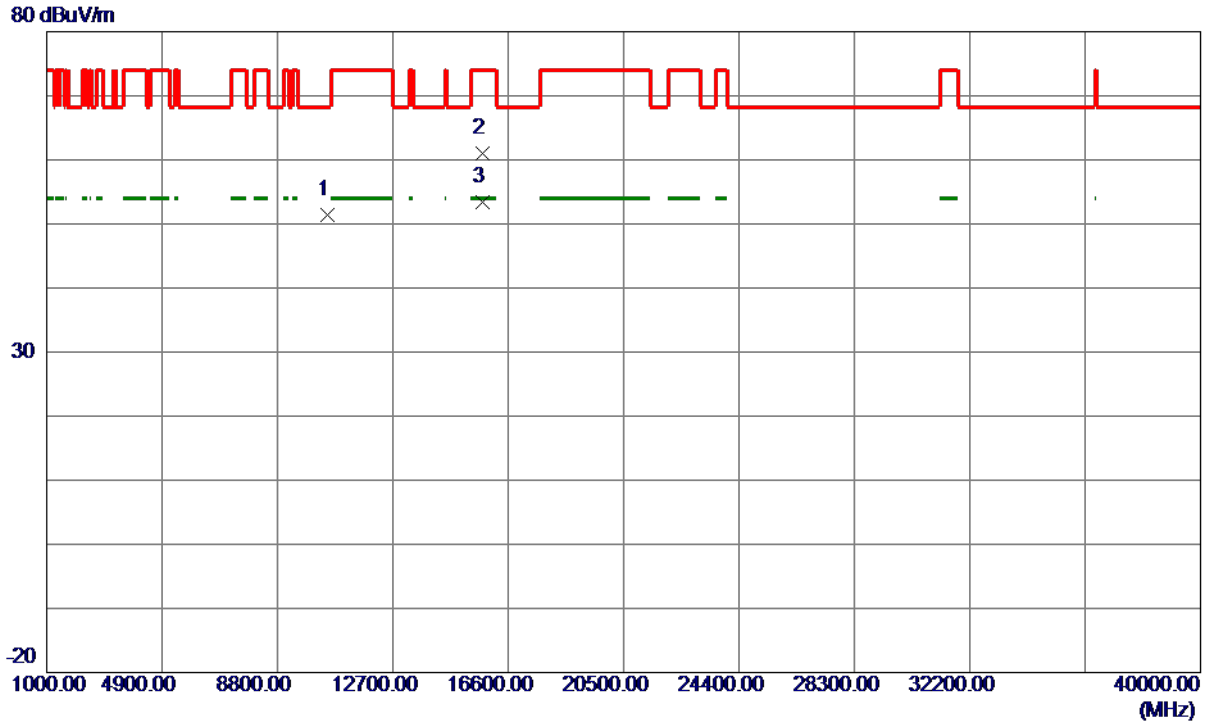


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	21.72	37.88	59.60	74.00	-14.40	Peak	
2	5150.1000	5.18	37.87	43.05	999.00	-955.95	AVG	
3 *	5241.6000	67.80	37.62	105.42	68.20	37.22	Peak	
4	5241.6000	61.36	37.62	98.98	999.00	-900.02	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 (VHT20) Mode 5240 MHz

Horizontal

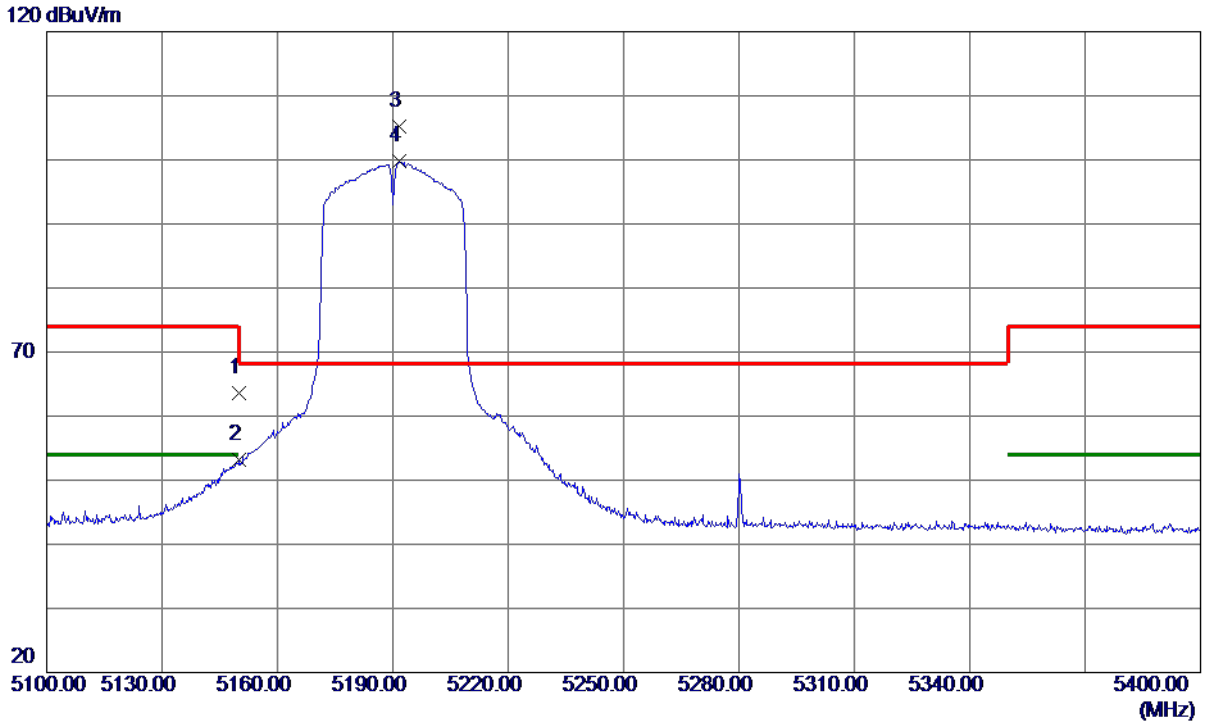


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10482.8500	49.66	1.80	51.46	68.20	-16.74	Peak	
2	15714.7000	58.31	2.75	61.06	74.00	-12.94	Peak	
3 *	15723.0150	50.58	2.74	53.32	54.00	-0.68	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5190 MHz

Vertical

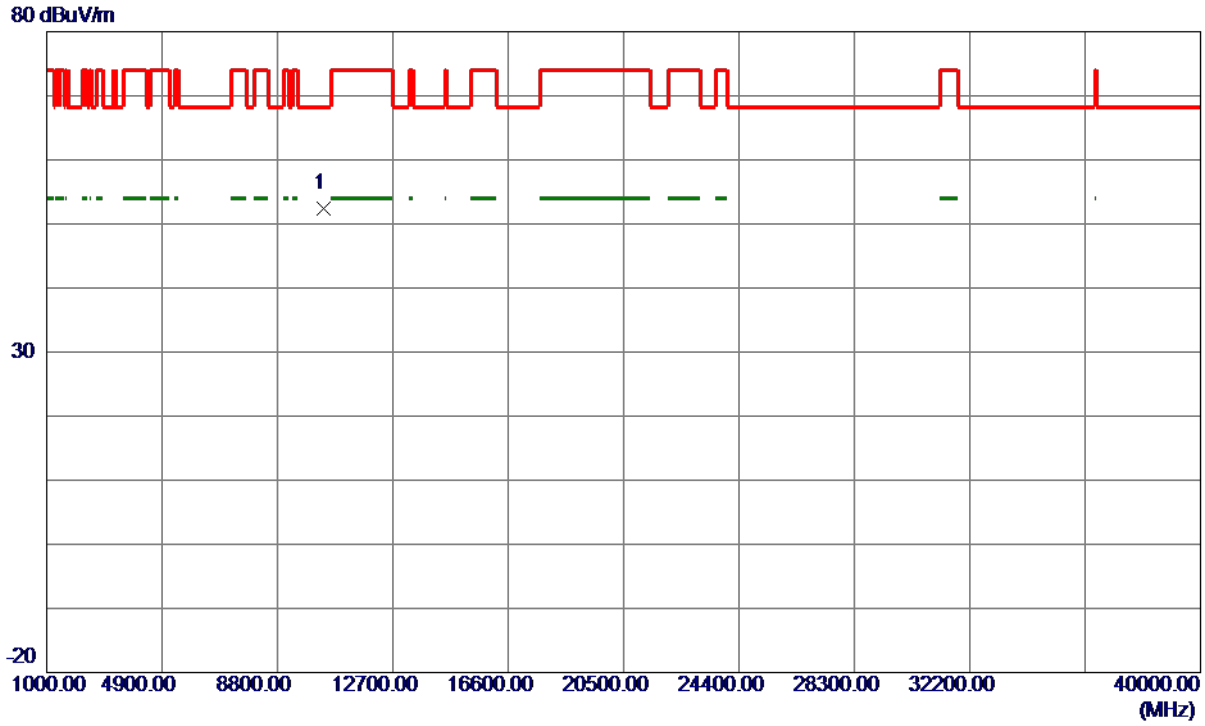


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	25.73	37.88	63.61	74.00	-10.39	Peak	
2	5150.0000	15.26	37.88	53.14	54.00	-0.86	AVG	
3 *	5191.6500	67.53	37.71	105.24	68.20	37.04	Peak	
4	5191.6500	62.03	37.71	99.74	999.00	-899.26	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 (VHT40) Mode 5190 MHz

Vertical

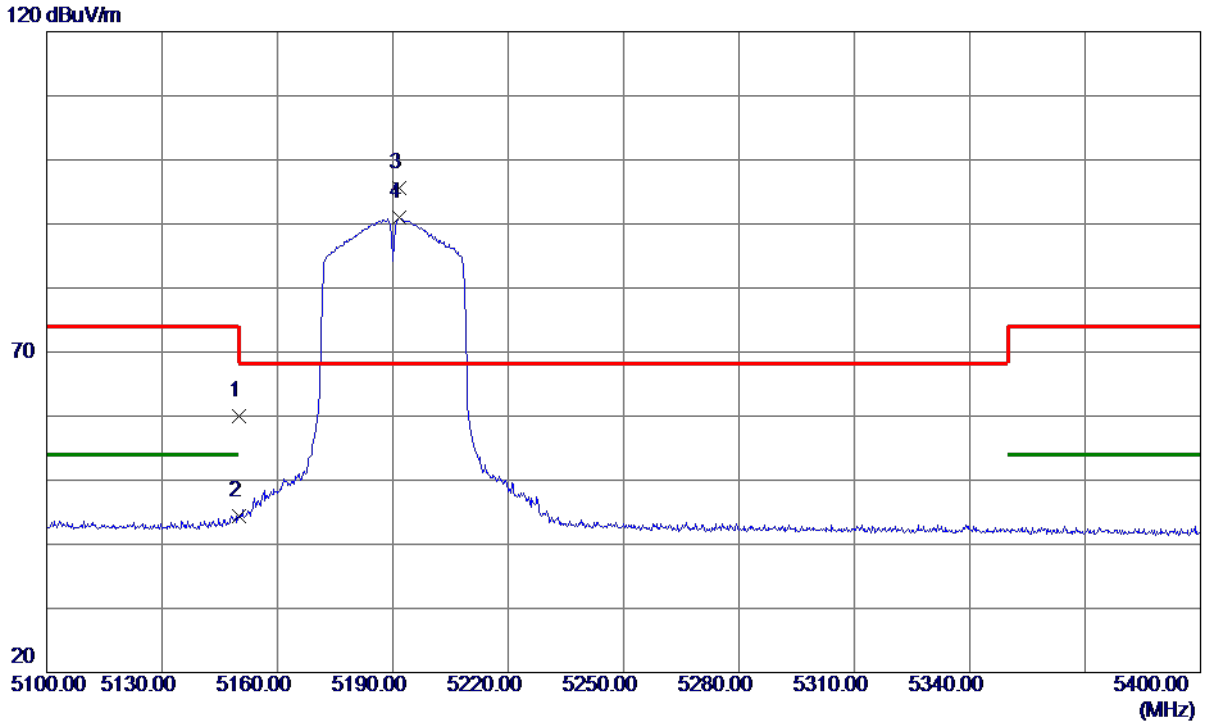


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10379.5000	50.68	1.68	52.36	68.20	-15.84	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5190 MHz

Horizontal

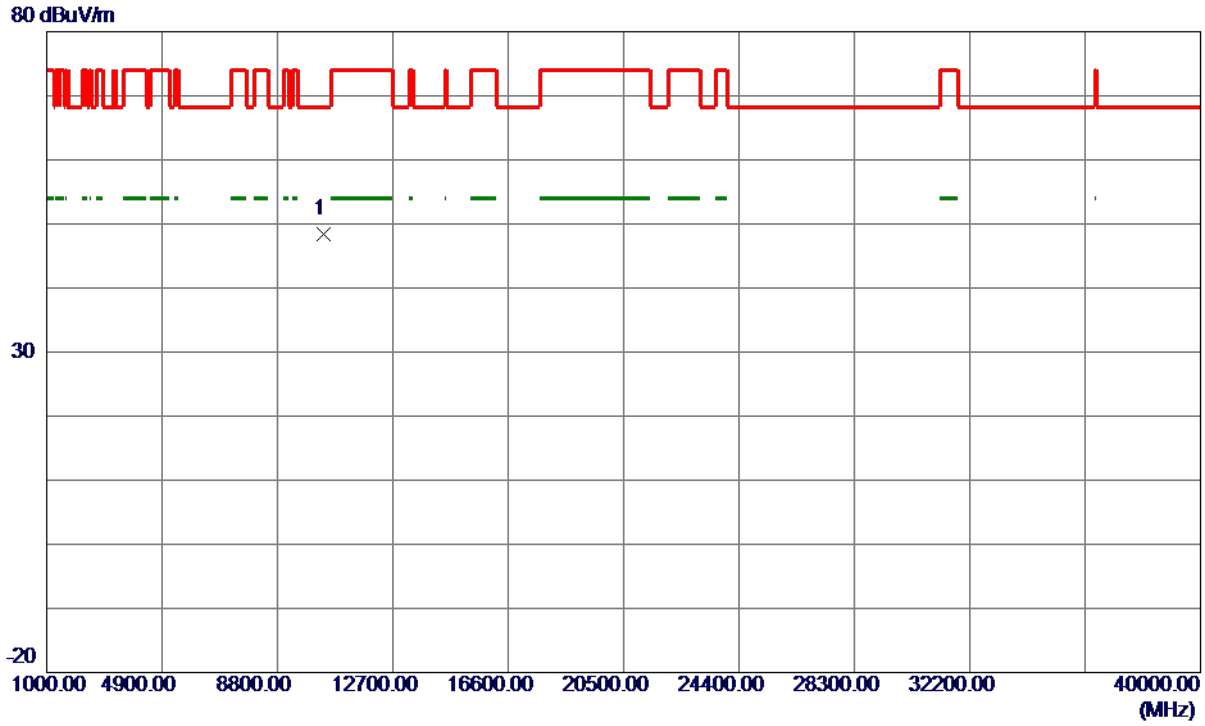


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.21	37.88	60.09	74.00	-13.91	Peak	
2	5150.0000	6.49	37.88	44.37	54.00	-9.63	AVG	
3 *	5191.6500	57.98	37.71	95.69	68.20	27.49	Peak	
4	5191.6500	53.20	37.71	90.91	999.00	-908.09	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 (VHT40) Mode 5190 MHz

Horizontal

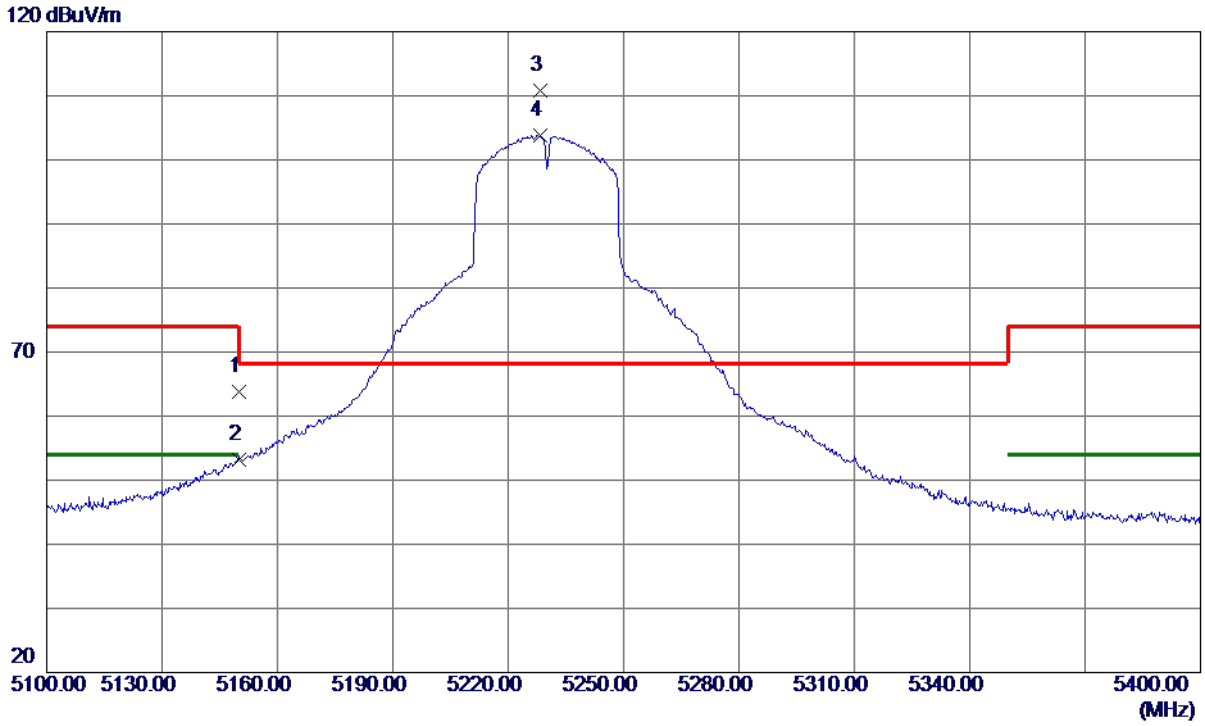


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	46.72	1.68	48.40	68.20	-19.80	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5230 MHz

Vertical

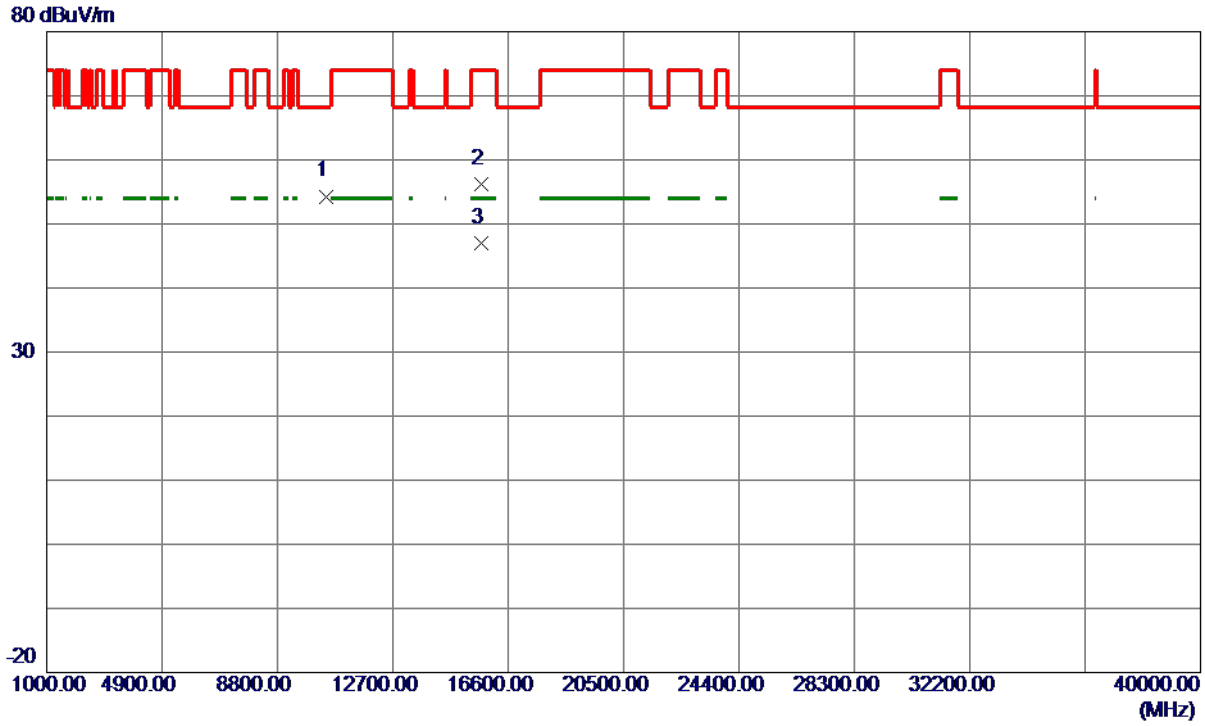


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	26.00	37.88	63.88	74.00	-10.12	Peak	
2	5150.0000	15.37	37.88	53.25	54.00	-0.75	AVG	
3 *	5228.4000	73.19	37.64	110.83	68.20	42.63	Peak	
4	5228.4000	66.25	37.64	103.89	999.00	-895.11	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 (VHT40) Mode 5230 MHz

Vertical

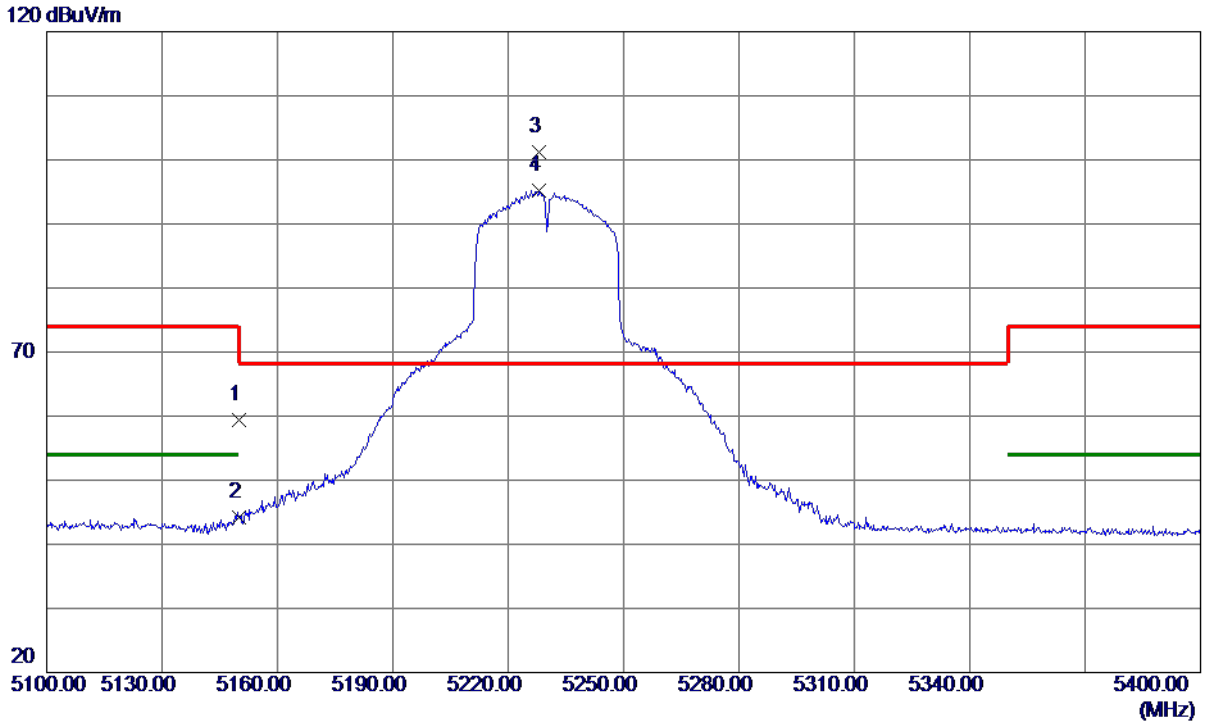


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10443.8500	52.54	1.76	54.30	68.20	-13.90	Peak	
2	15687.4000	53.41	2.78	56.19	74.00	-17.81	Peak	
3 *	15694.5280	44.21	2.77	46.98	54.00	-7.02	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5230 MHz

Horizontal

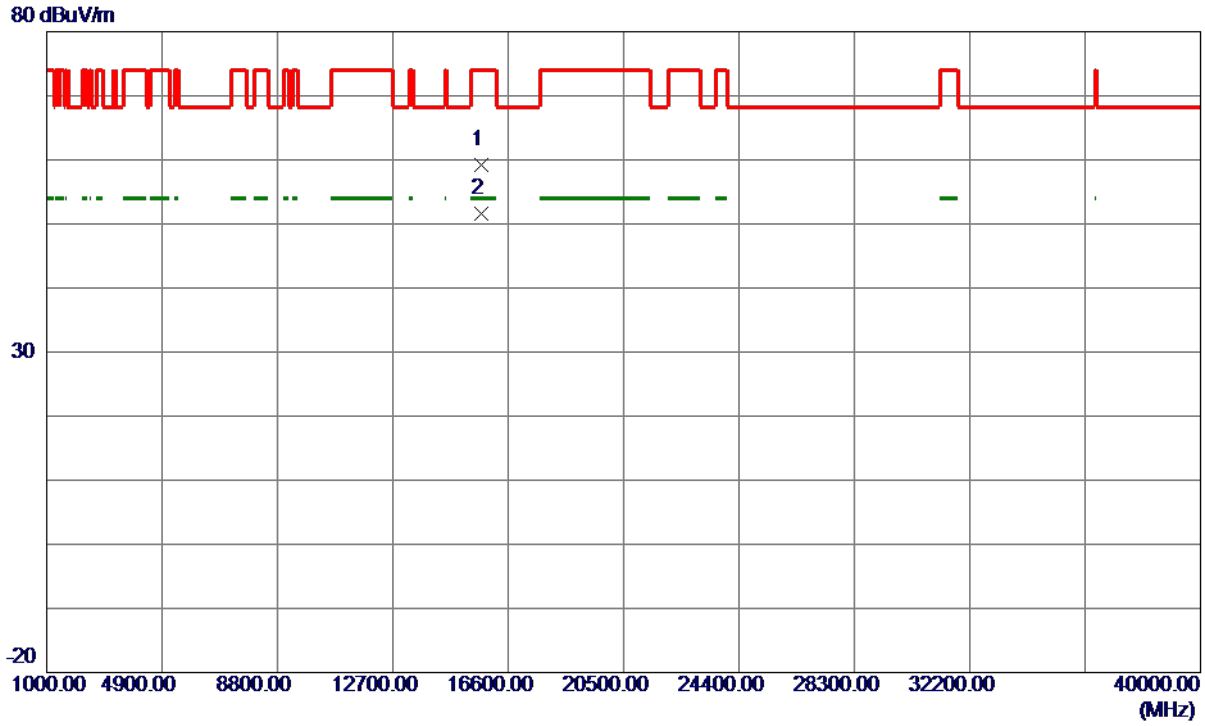


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	21.55	37.88	59.43	74.00	-14.57	Peak	
2	5150.0000	6.29	37.88	44.17	54.00	-9.83	AVG	
3 *	5228.1000	63.50	37.64	101.14	68.20	32.94	Peak	
4	5228.1000	57.50	37.64	95.14	999.00	-903.86	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 (VHT40) Mode 5230 MHz

Horizontal

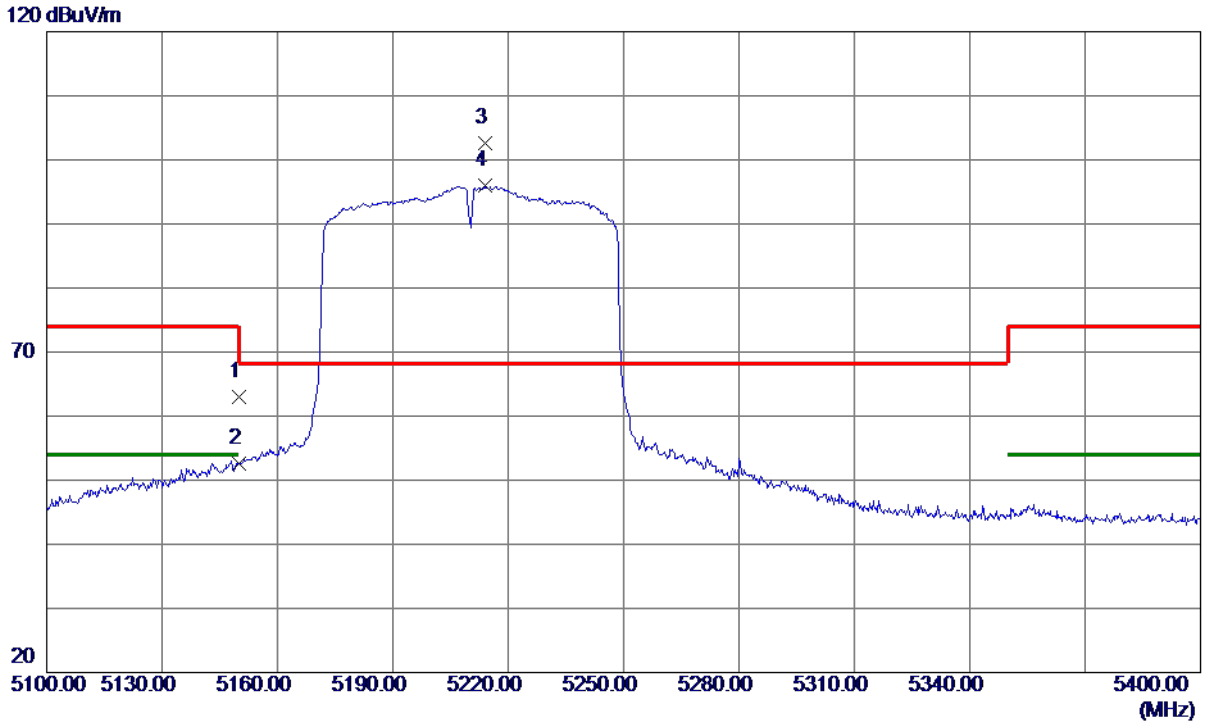


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	15693.2500	56.40	2.78	59.18	74.00	-14.82	Peak	
2 *	15694.8100	48.83	2.77	51.60	54.00	-2.40	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT80) Mode 5210 MHz

Vertical

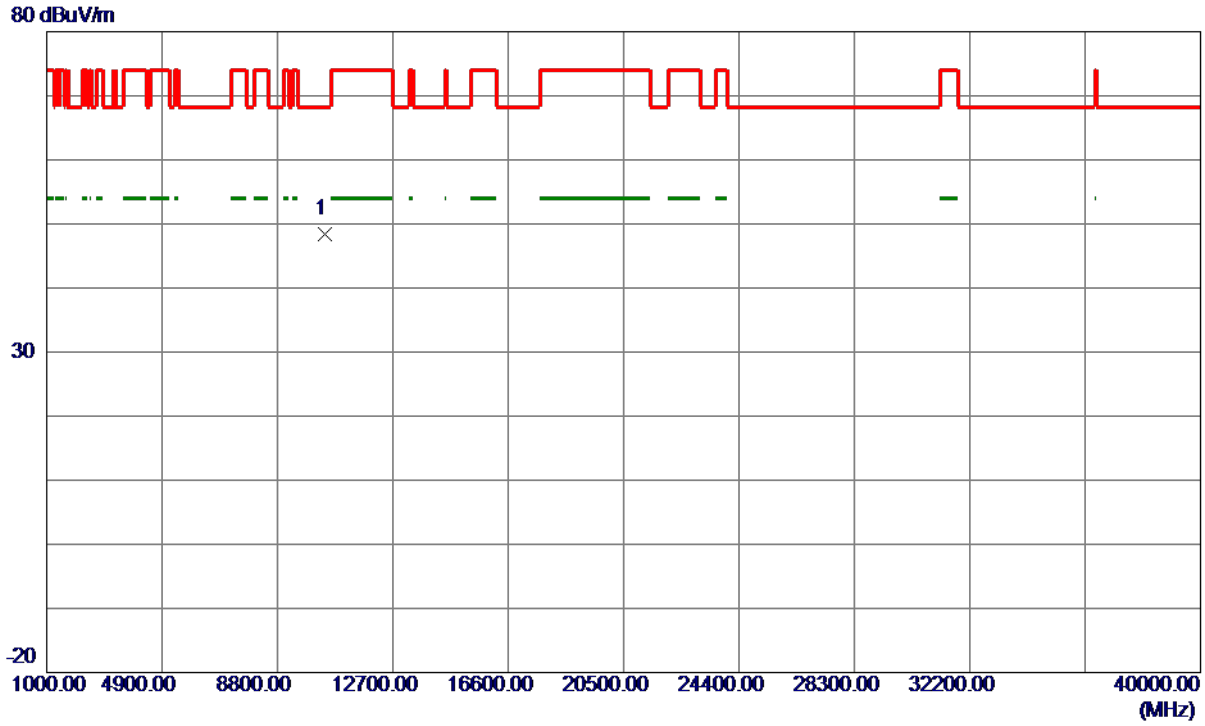


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	25.13	37.88	63.01	74.00	-10.99	Peak	
2	5150.0000	14.68	37.88	52.56	54.00	-1.44	AVG	
3 *	5214.0000	64.91	37.66	102.57	68.20	34.37	Peak	
4	5214.0000	58.24	37.66	95.90	999.00	-903.10	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 (VHT80) Mode 5210 MHz

Vertical

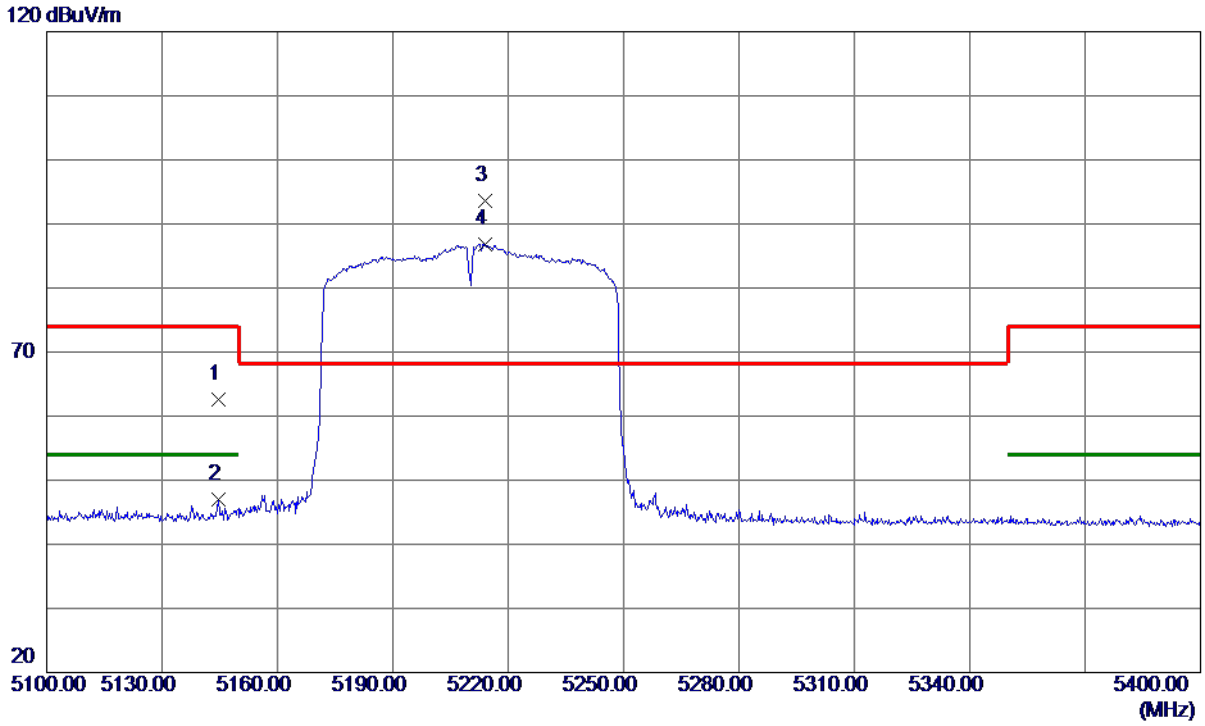


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.0000	46.70	1.74	48.44	68.20	-19.76	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT80) Mode 5210 MHz

Horizontal

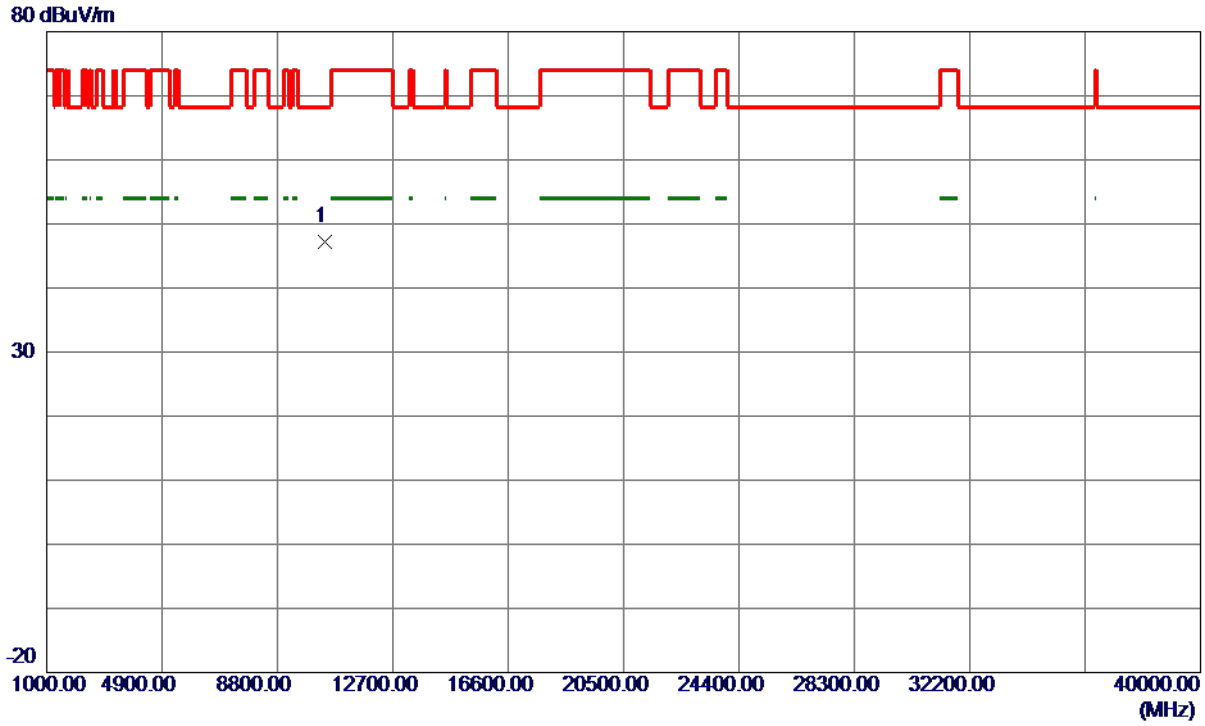


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5144.5500	24.63	37.90	62.53	74.00	-11.47	Peak	
2	5144.5500	9.01	37.90	46.91	54.00	-7.09	AVG	
3 *	5214.0000	55.98	37.66	93.64	68.20	25.44	Peak	
4	5214.0000	49.21	37.66	86.87	999.00	-912.13	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 (VHT80) Mode 5210 MHz

Horizontal

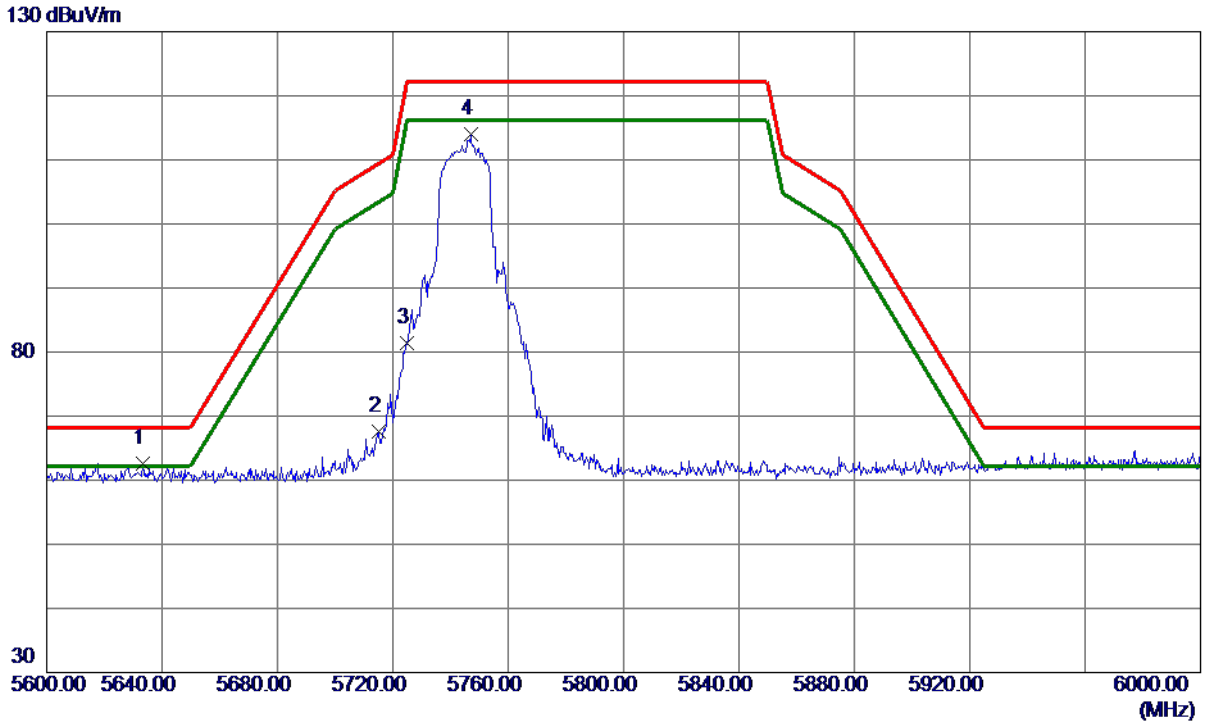


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.0000	45.47	1.74	47.21	68.20	-20.99	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5745 MHz

Vertical

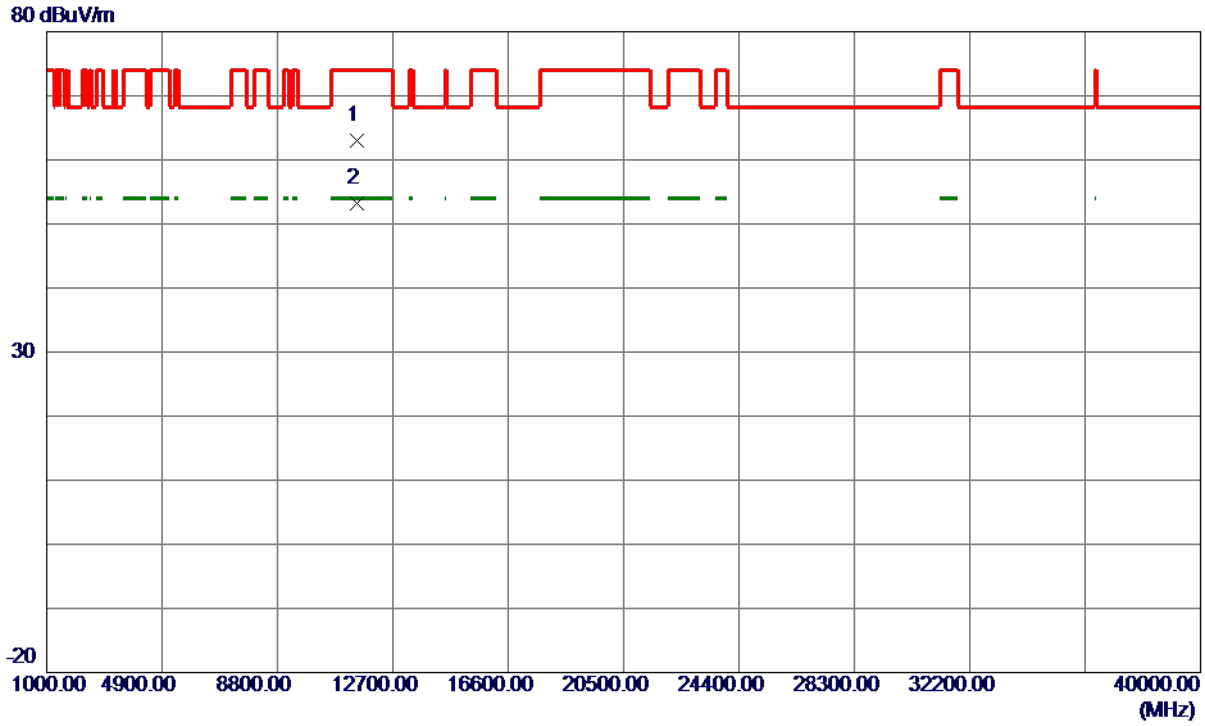


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5633.2000	24.23	38.36	62.59	68.20	-5.61	Peak	
2	5715.0000	29.11	38.46	67.57	109.40	-41.83	Peak	
3	5725.0000	42.81	38.50	81.31	122.20	-40.89	Peak	
4	5747.0000	75.46	38.58	114.04	122.20	-8.16	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 (VHT20) Mode 5745 MHz

Vertical

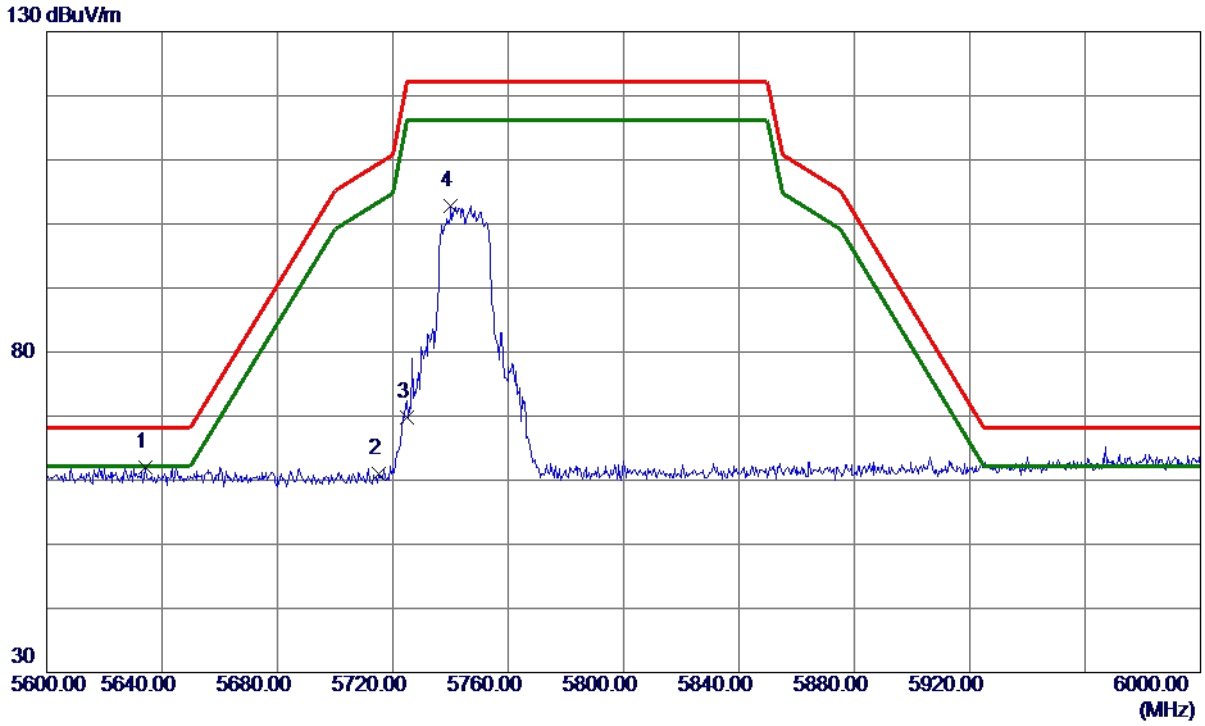


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11489.0500	60.82	2.21	63.03	74.00	-10.97	Peak	
2 *	11492.4230	51.05	2.21	53.26	54.00	-0.74	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5745 MHz

Horizontal

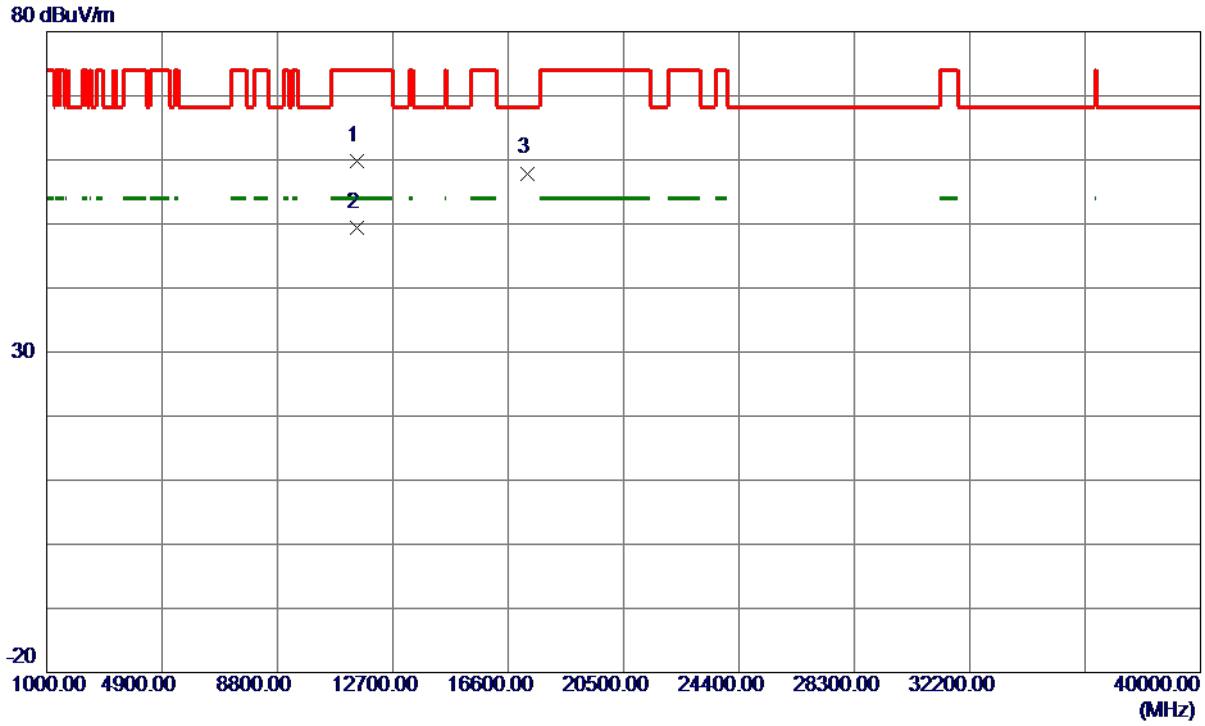


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5634.2000	23.73	38.36	62.09	68.20	-6.11	Peak	
2	5715.0000	22.59	38.46	61.05	109.40	-48.35	Peak	
3	5725.0000	31.27	38.50	69.77	122.20	-52.43	Peak	
4	5740.0000	64.31	38.55	102.86	122.20	-19.34	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 (VHT20) Mode 5745 MHz

Horizontal

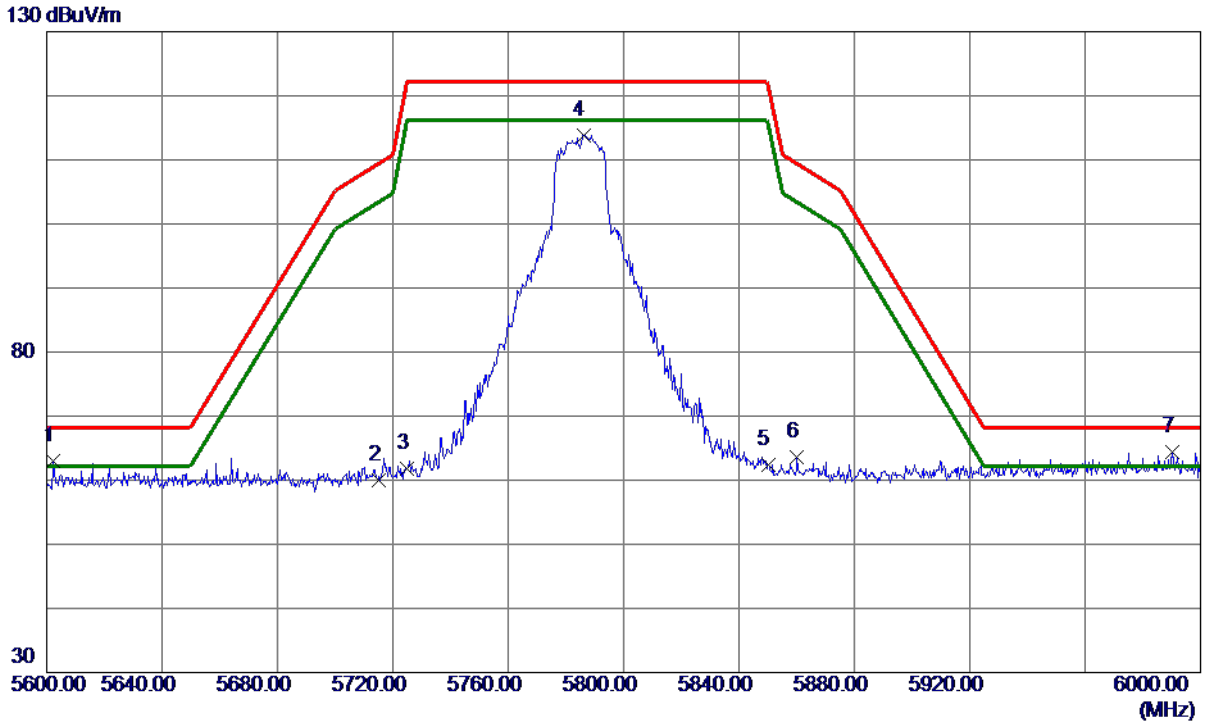


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11489.0500	57.54	2.21	59.75	74.00	-14.25	Peak	
2 *	11491.5930	47.17	2.21	49.38	54.00	-4.62	AVG	
3	17233.7500	51.28	6.62	57.90	68.20	-10.30	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5785 MHz

Vertical

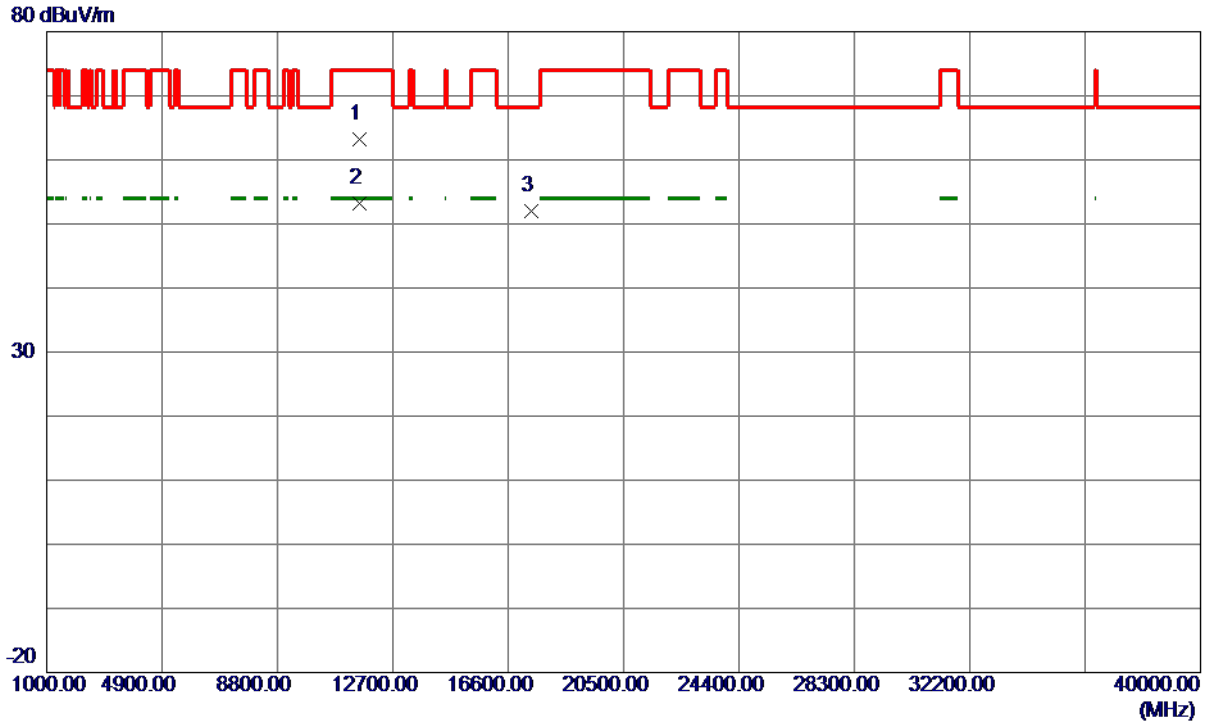


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5602.4000	24.71	38.34	63.05	68.20	-5.15	Peak	
2	5715.0000	21.59	38.46	60.05	109.40	-49.35	Peak	
3	5725.0000	23.39	38.50	61.89	122.20	-60.31	Peak	
4	5786.0000	75.09	38.73	113.82	122.20	-8.38	Peak	
5	5850.0000	23.56	38.91	62.47	122.20	-59.73	Peak	
6	5860.0000	24.63	38.94	63.57	109.40	-45.83	Peak	
7 *	5990.2000	25.23	39.23	64.46	68.20	-3.74	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 (VHT20) Mode 5785 MHz

Vertical

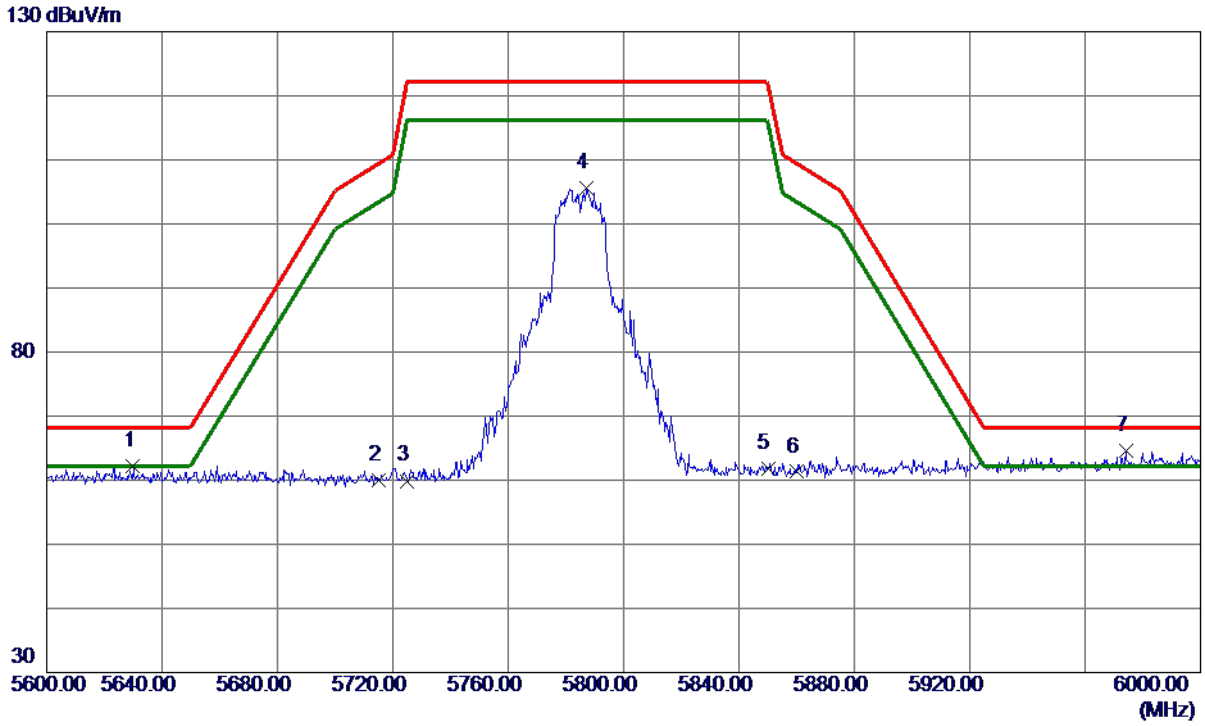


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11569.0000	60.88	2.27	63.15	74.00	-10.85	Peak	
2 *	11572.1849	50.95	2.28	53.23	54.00	-0.77	AVG	
3	17362.4500	44.58	7.43	52.01	68.20	-16.19	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5785 MHz

Horizontal

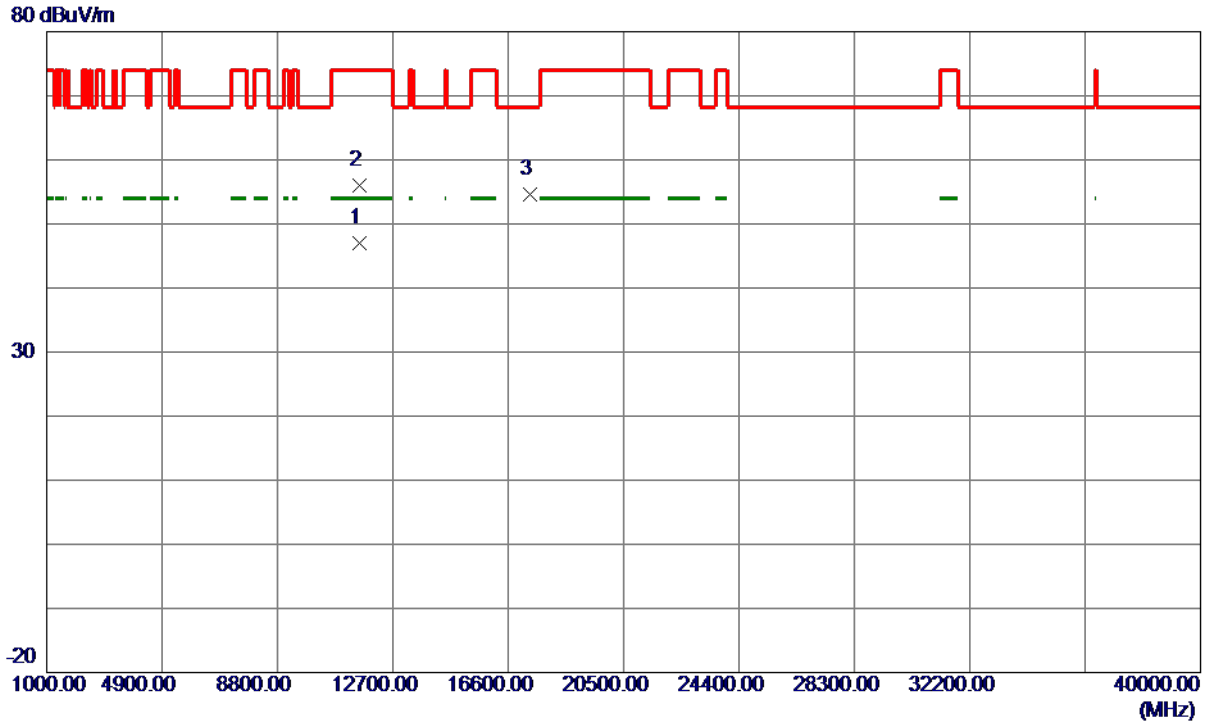


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5630.0000	23.77	38.36	62.13	68.20	-6.07	Peak	
2	5715.0000	21.56	38.46	60.02	109.40	-49.38	Peak	
3	5725.0000	21.40	38.50	59.90	122.20	-62.30	Peak	
4	5787.2000	66.82	38.73	105.55	122.20	-16.65	Peak	
5	5850.0000	22.83	38.91	61.74	122.20	-60.46	Peak	
6	5860.0000	22.36	38.94	61.30	109.40	-48.10	Peak	
7 *	5974.2000	25.32	39.20	64.52	68.20	-3.68	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 (VHT20) Mode 5785 MHz

Horizontal

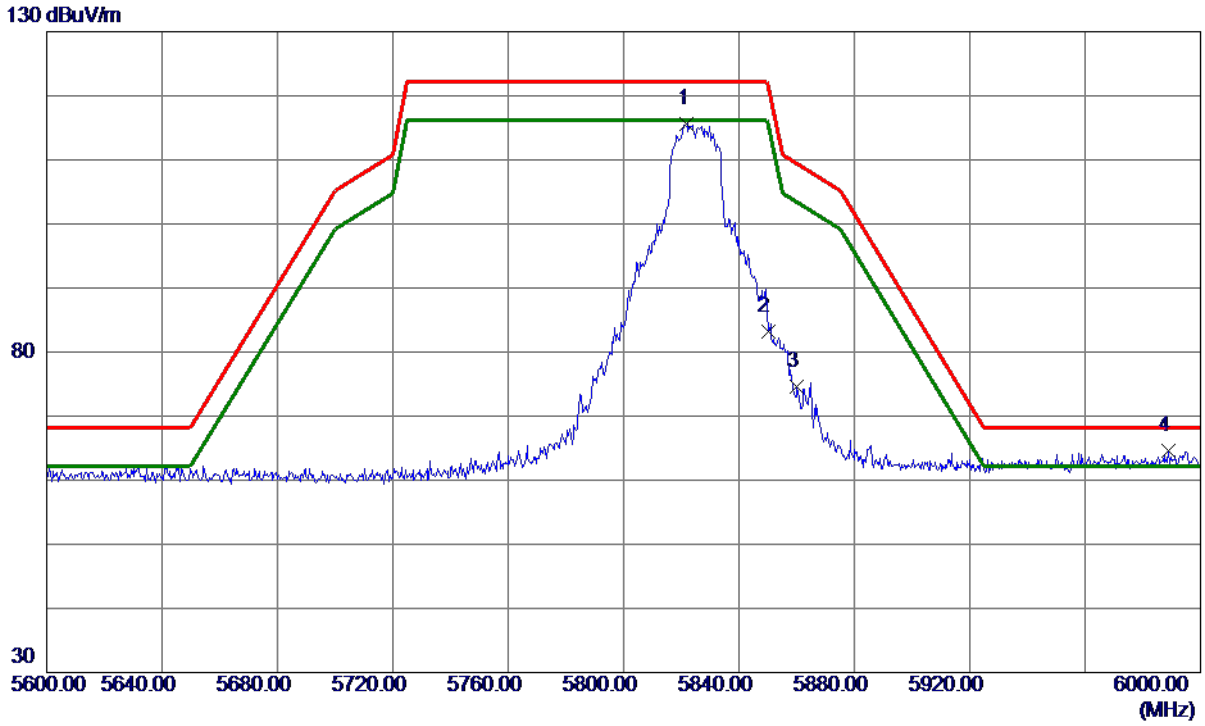


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11573.4850	44.66	2.28	46.94	54.00	-7.06	AVG	
2	11574.8500	53.69	2.28	55.97	74.00	-18.03	Peak	
3	17344.9000	47.27	7.32	54.59	68.20	-13.61	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5825 MHz

Vertical

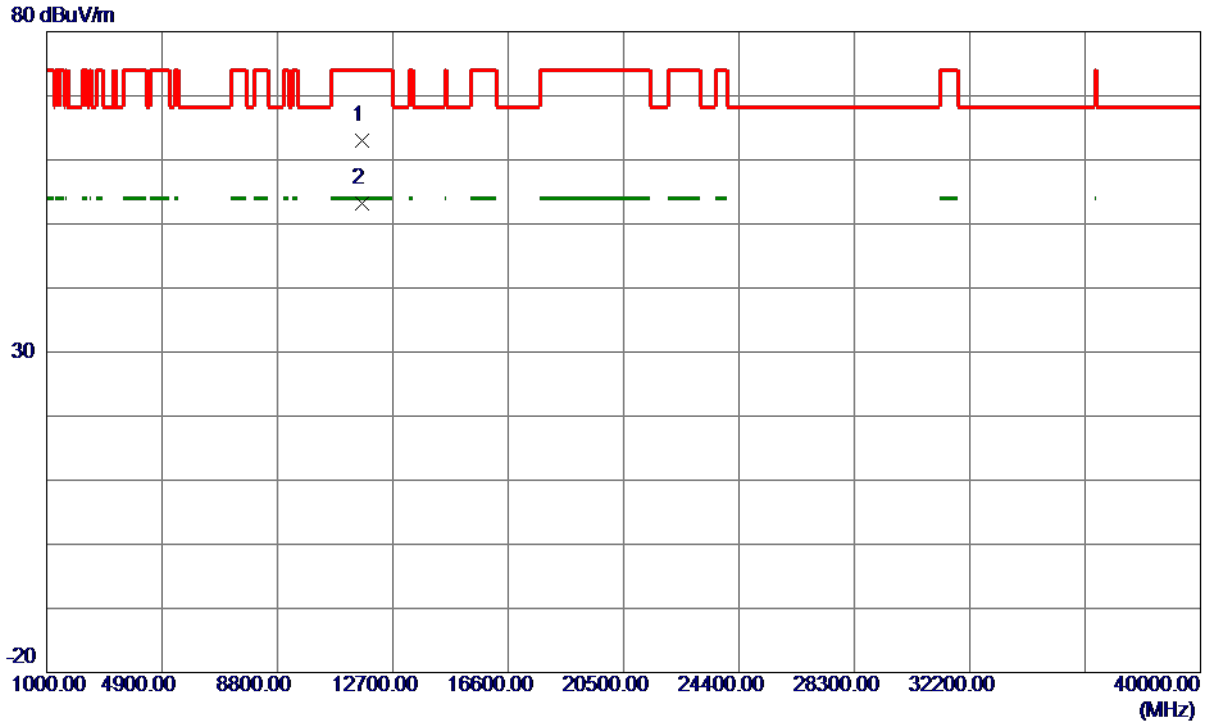


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5822.0000	76.85	38.84	115.69	122.20	-6.51	Peak	
2	5850.0000	44.21	38.91	83.12	122.20	-39.08	Peak	
3	5860.0000	35.70	38.94	74.64	109.40	-34.76	Peak	
4 *	5989.0000	25.38	39.23	64.61	68.20	-3.59	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 (VHT20) Mode 5825 MHz

Vertical

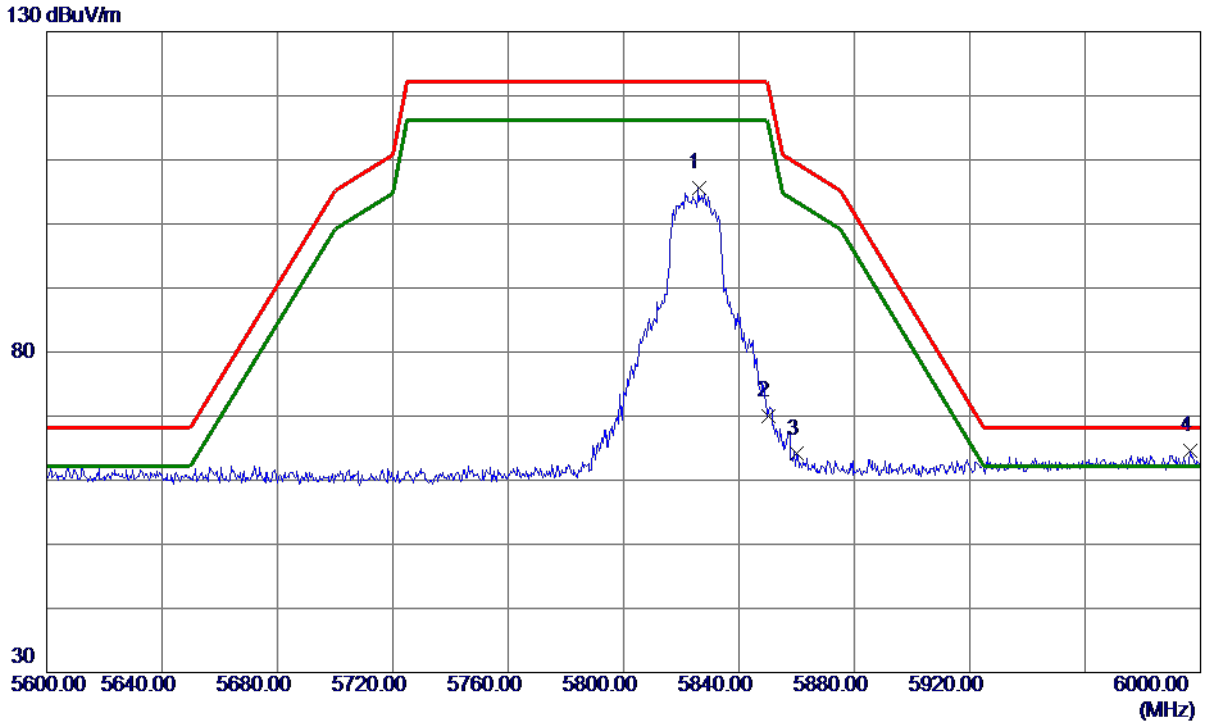


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11647.0000	60.92	2.12	63.04	74.00	-10.96	Peak	
2 *	11647.4050	51.05	2.12	53.17	54.00	-0.83	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5825 MHz

Horizontal

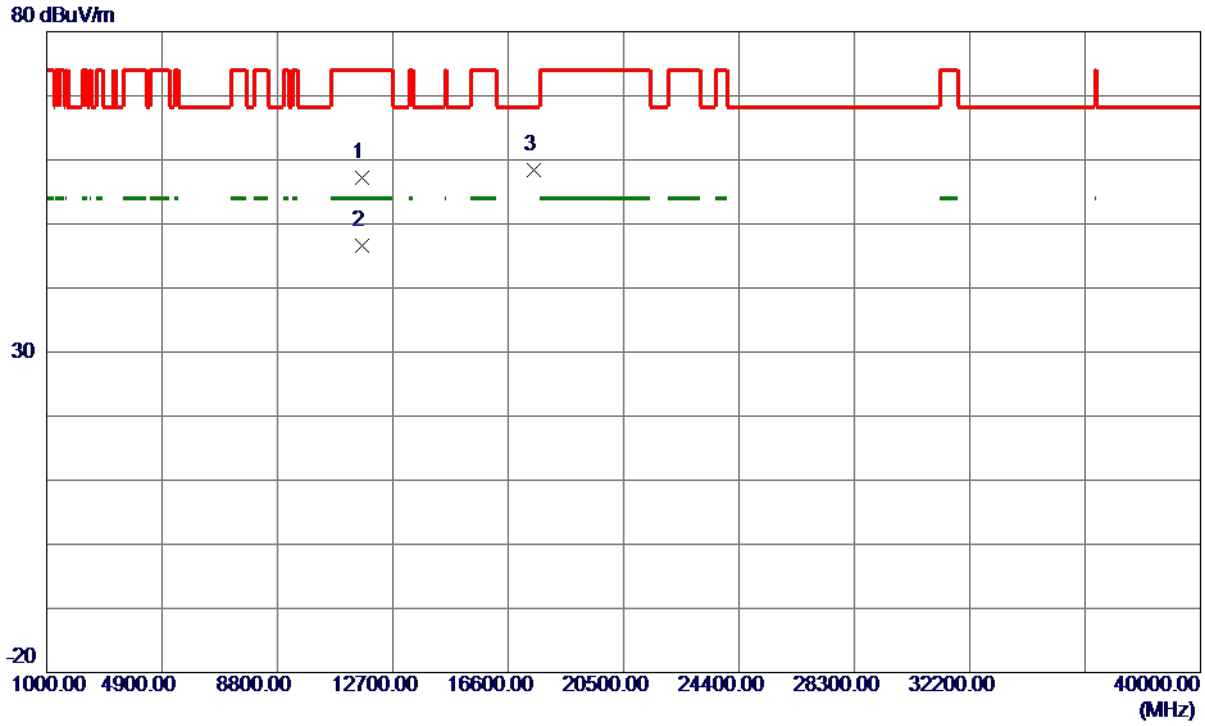


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5826.0000	66.75	38.85	105.60	122.20	-16.60	Peak	
2	5850.0000	31.04	38.91	69.95	122.20	-52.25	Peak	
3	5860.0000	25.16	38.94	64.10	109.40	-45.30	Peak	
4 *	5996.6000	25.42	39.24	64.66	68.20	-3.54	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 (VHT20) Mode 5825 MHz

Horizontal

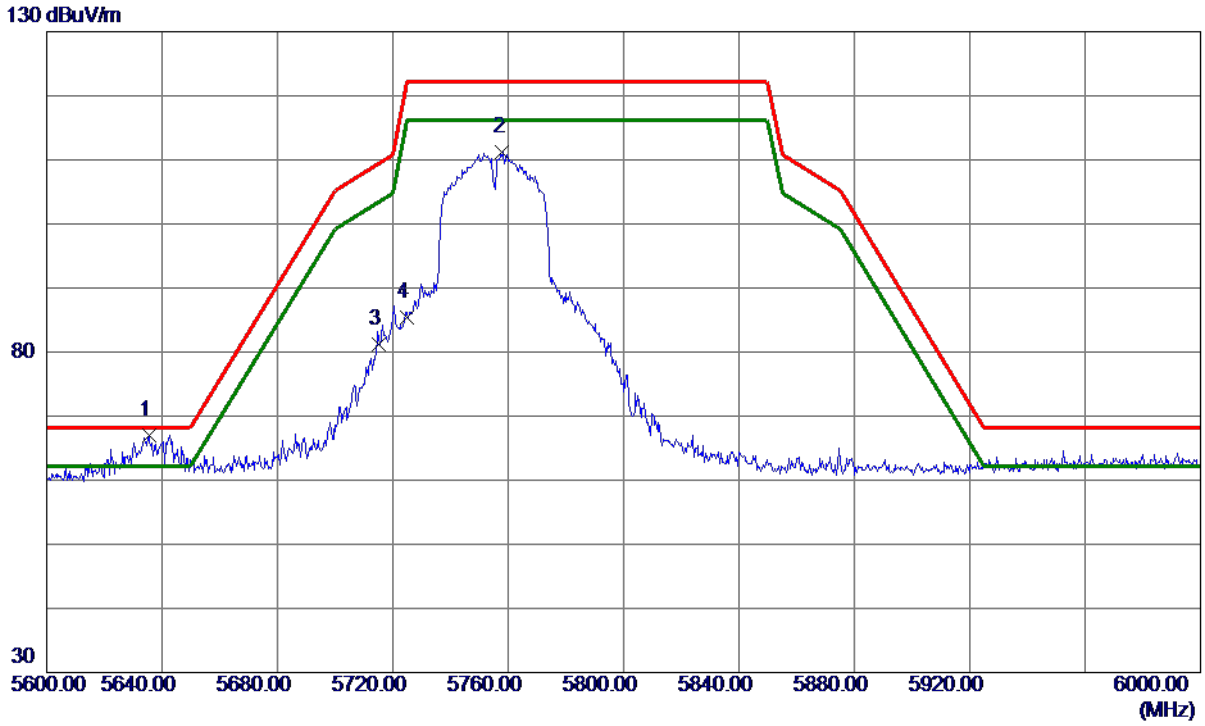


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11645.0500	55.07	2.12	57.19	74.00	-16.81	Peak	
2 *	11651.7699	44.52	2.10	46.62	54.00	-7.38	AVG	
3	17467.7500	50.47	7.99	58.46	68.20	-9.74	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5755 MHz

Vertical

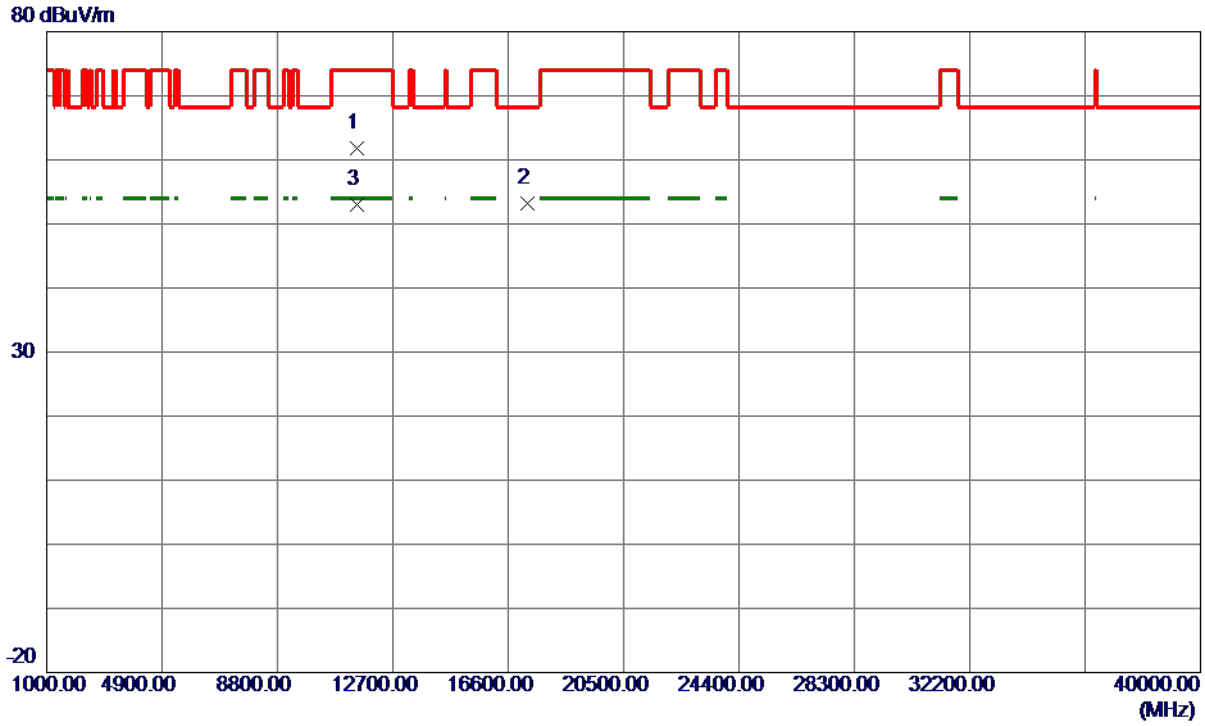


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5635.4000	28.71	38.36	67.07	68.20	-1.13	Peak	
2	5758.0000	72.60	38.62	111.22	122.20	-10.98	Peak	
3	5715.0000	42.71	38.46	81.17	109.40	-28.23	Peak	
4	5725.0000	46.81	38.50	85.31	122.20	-36.89	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 (VHT40) Mode 5755 MHz

Vertical

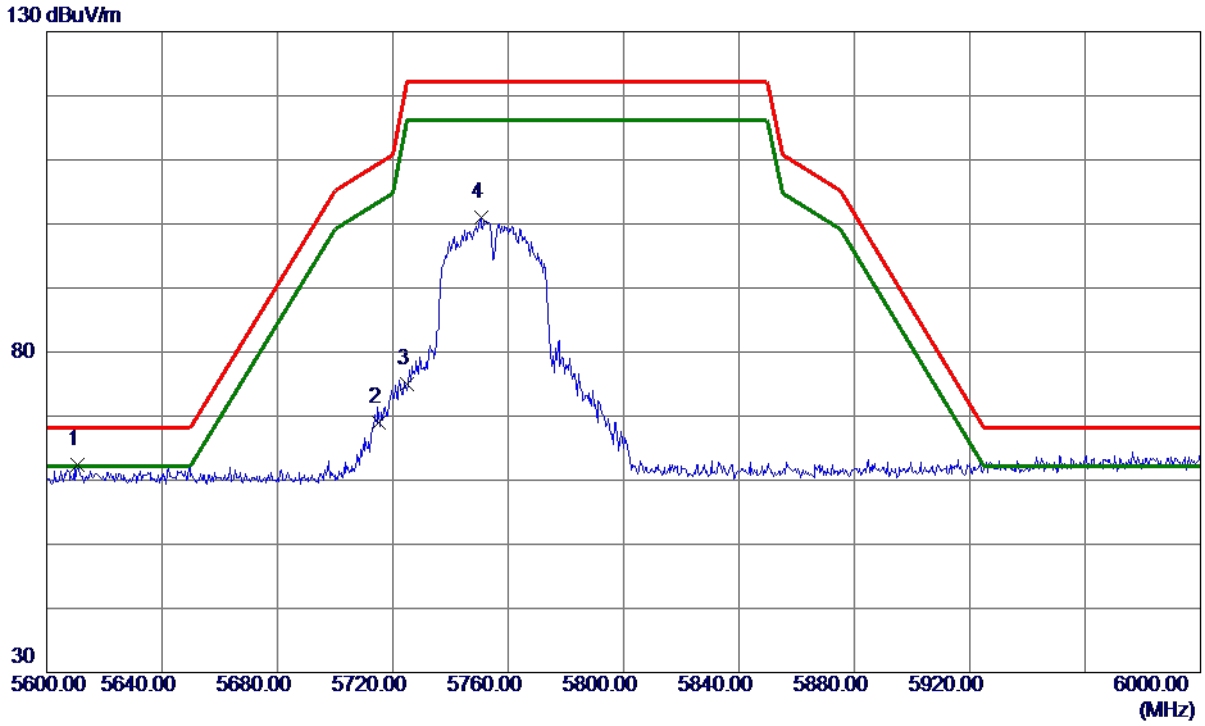


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11504.6500	59.52	2.22	61.74	74.00	-12.26	Peak	
2	17266.9000	46.28	6.83	53.11	68.20	-15.09	Peak	
3 *	11504.5000	50.84	2.22	53.06	54.00	-0.94	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5755 MHz

Horizontal

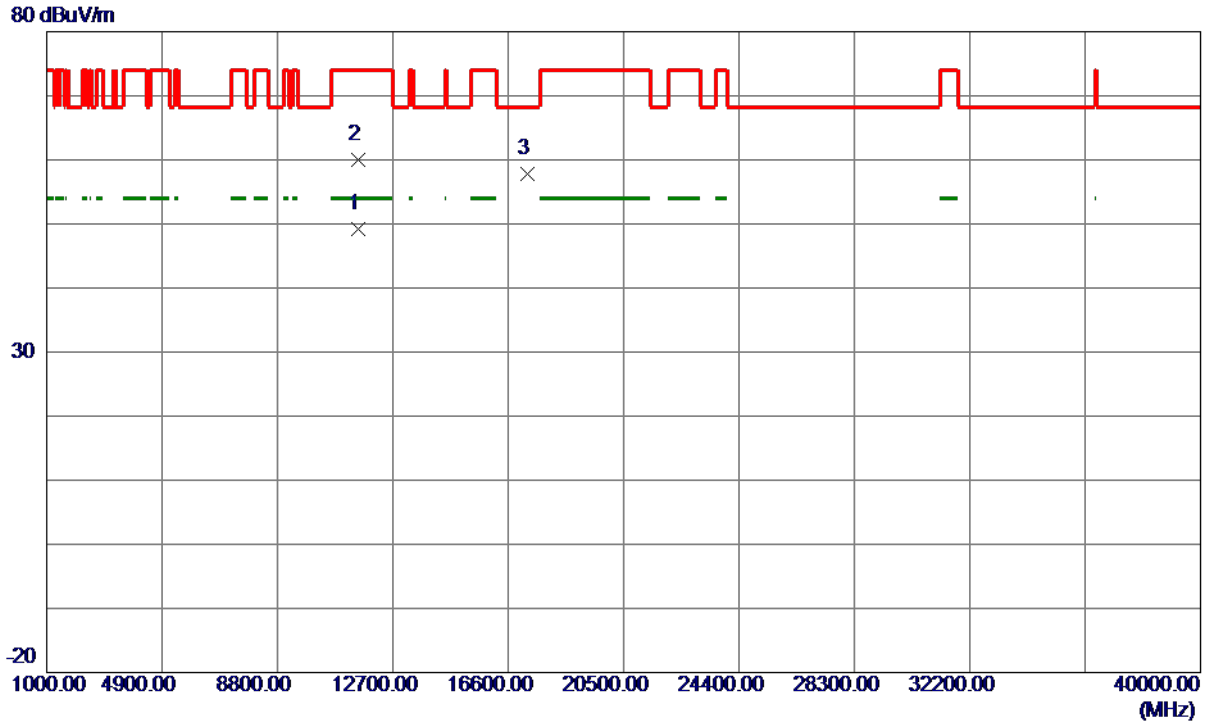


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5610.6000	23.99	38.35	62.34	68.20	-5.86	Peak	
2	5715.0000	30.47	38.46	68.93	109.40	-40.47	Peak	
3	5725.0000	36.51	38.50	75.01	122.20	-47.19	Peak	
4	5750.6000	62.47	38.59	101.06	122.20	-21.14	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 (VHT40) Mode 5755 MHz

Horizontal

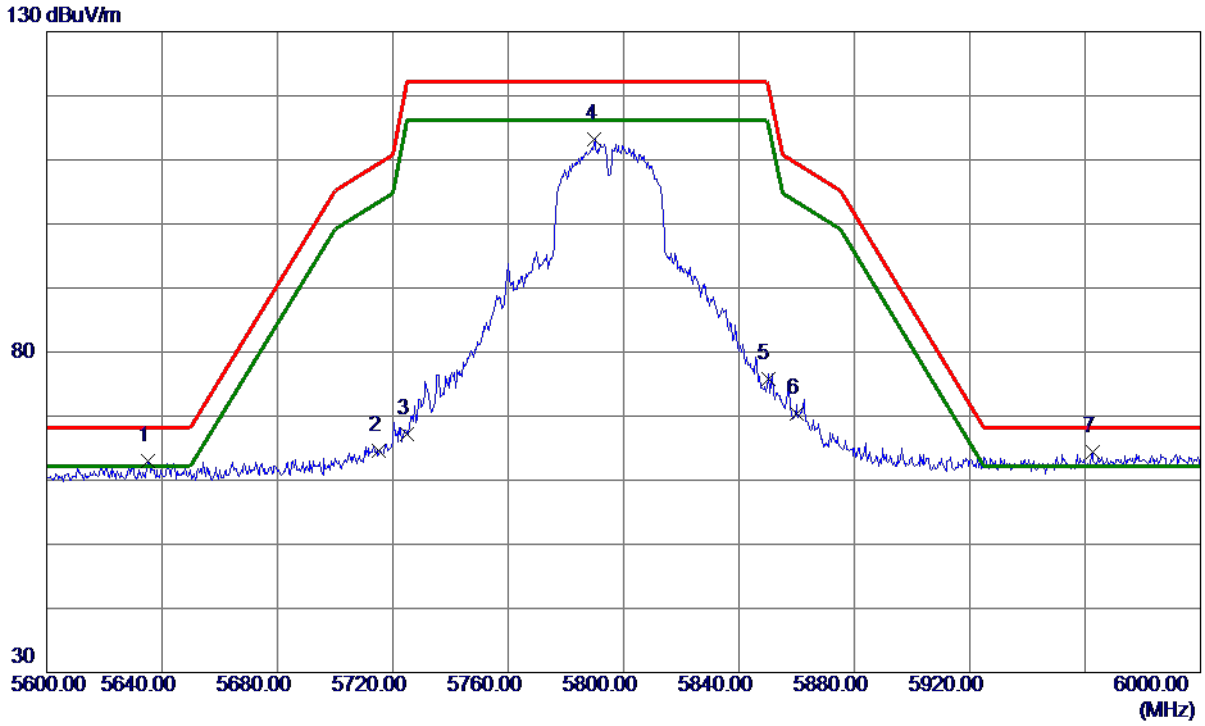


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11509.0900	46.94	2.22	49.16	54.00	-4.84	AVG	
2	11512.4500	57.68	2.23	59.91	74.00	-14.09	Peak	
3	17257.1500	51.11	6.77	57.88	68.20	-10.32	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5795 MHz

Vertical

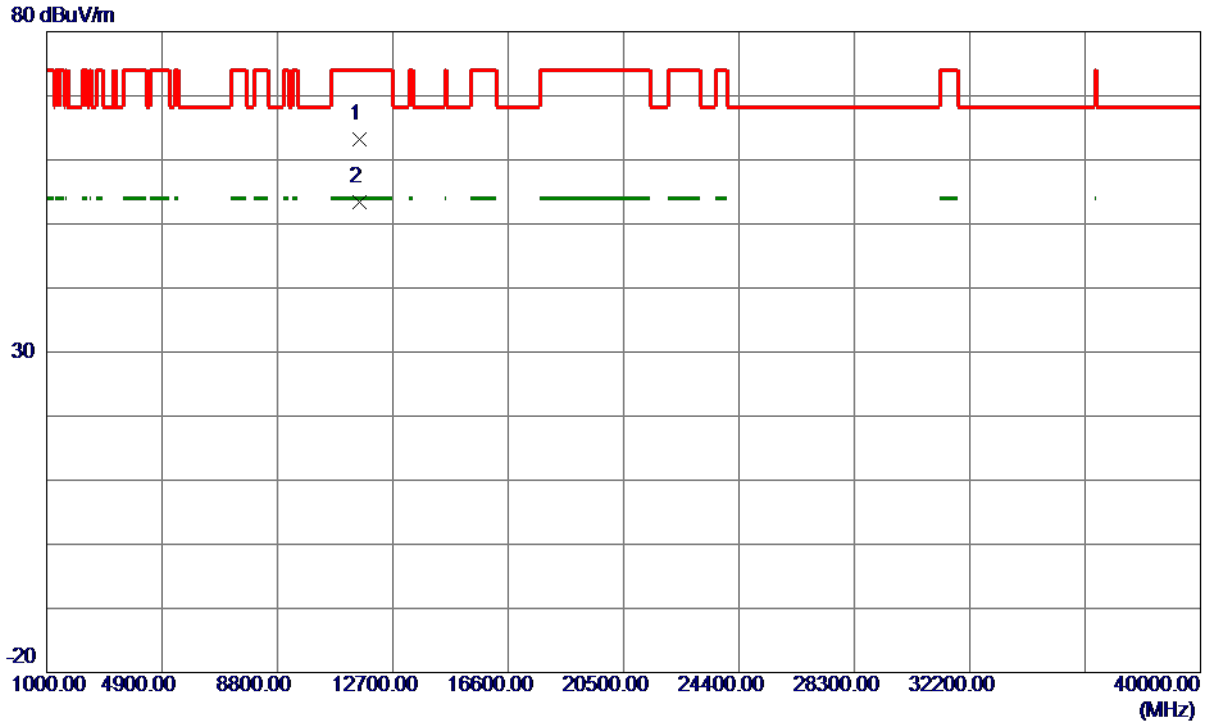


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5635.2000	24.62	38.36	62.98	68.20	-5.22	Peak	
2	5715.0000	26.11	38.46	64.57	109.40	-44.83	Peak	
3	5725.0000	28.62	38.50	67.12	122.20	-55.08	Peak	
4	5790.0000	74.37	38.74	113.11	122.20	-9.09	Peak	
5	5850.0000	36.95	38.91	75.86	122.20	-46.34	Peak	
6	5860.0000	31.43	38.94	70.37	109.40	-39.03	Peak	
7 *	5962.6000	25.28	39.18	64.46	68.20	-3.74	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 (VHT40) Mode 5795 MHz

Vertical

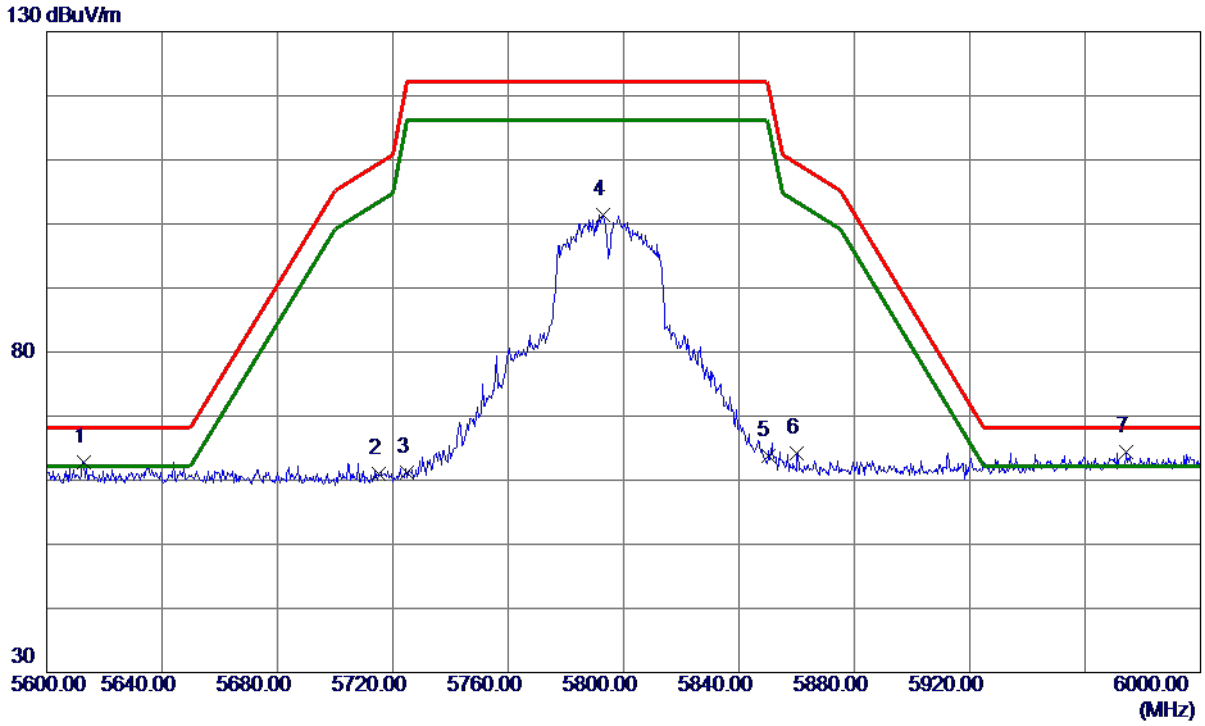


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11586.5500	60.93	2.29	63.22	74.00	-10.78	Peak	
2 *	11589.1470	51.16	2.29	53.45	54.00	-0.55	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5795 MHz

Horizontal

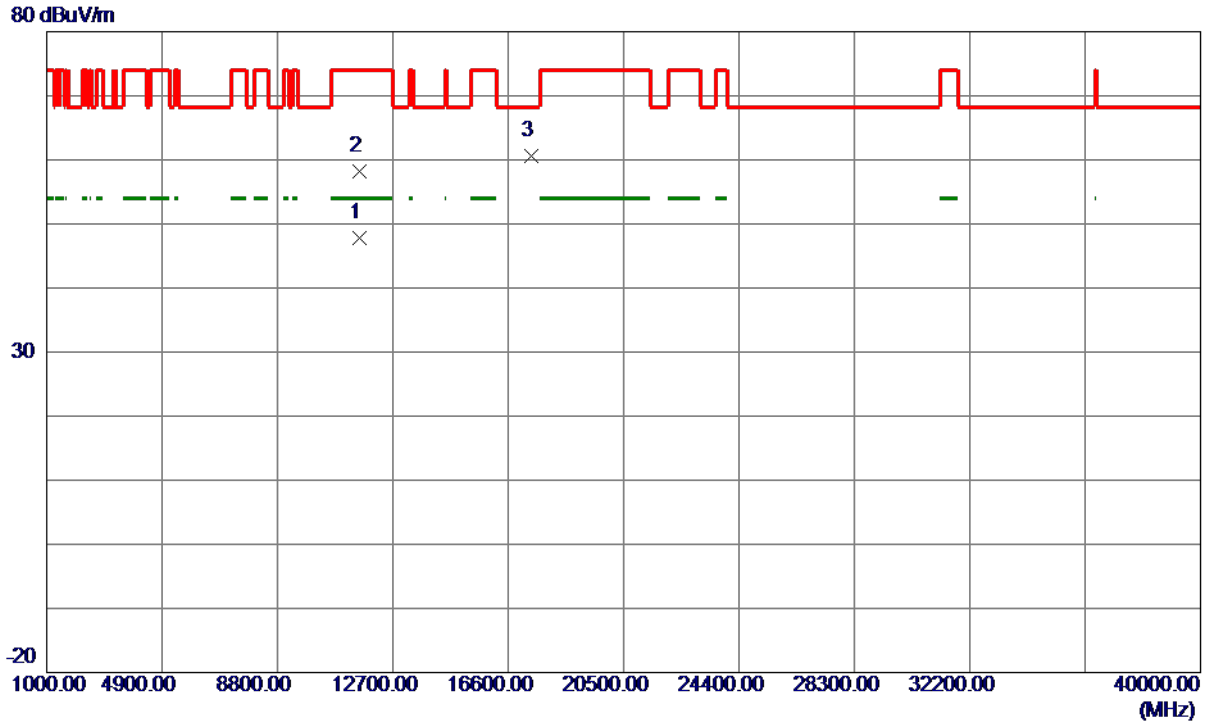


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5612.8000	24.49	38.35	62.84	68.20	-5.36	Peak	
2	5715.0000	22.63	38.46	61.09	109.40	-48.31	Peak	
3	5725.0000	22.64	38.50	61.14	122.20	-61.06	Peak	
4	5792.8000	62.65	38.75	101.40	122.20	-20.80	Peak	
5	5850.0000	24.95	38.91	63.86	122.20	-58.34	Peak	
6	5860.0000	25.31	38.94	64.25	109.40	-45.15	Peak	
7 *	5974.4000	25.19	39.20	64.39	68.20	-3.81	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 (VHT40) Mode 5795 MHz

Horizontal

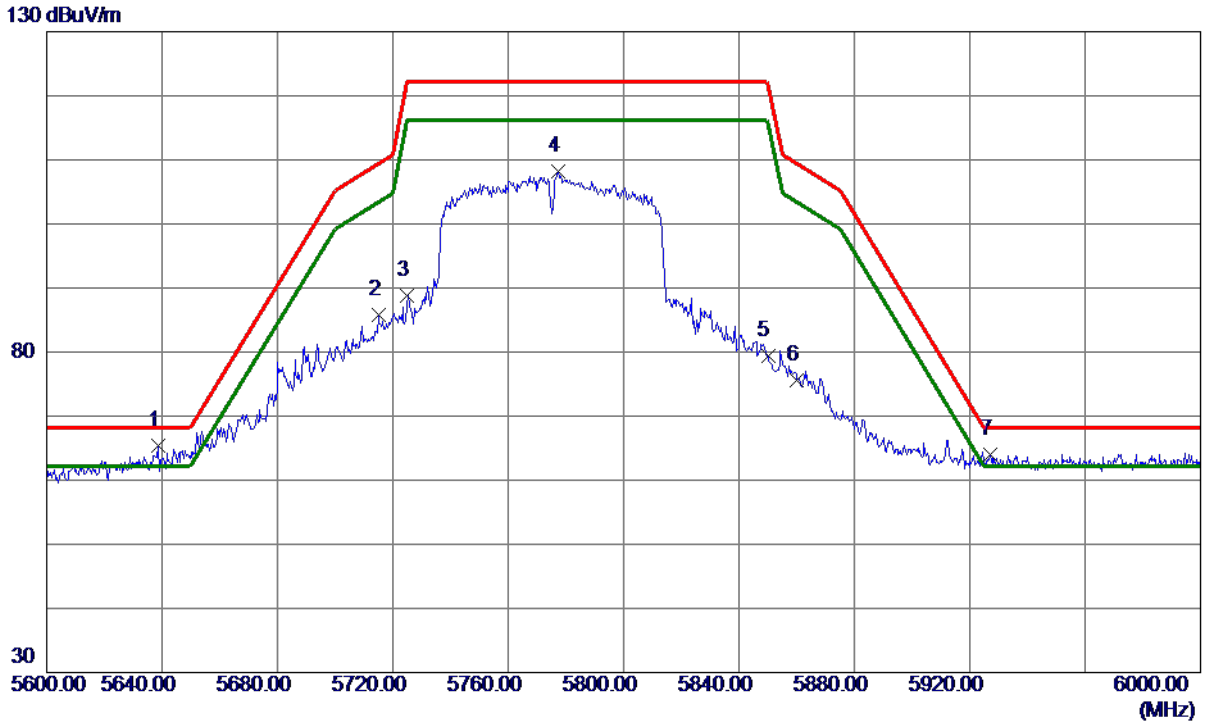


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11588.6670	45.49	2.29	47.78	54.00	-6.22	AVG	
2	11592.4000	55.96	2.29	58.25	74.00	-15.75	Peak	
3	17393.6500	52.95	7.63	60.58	68.20	-7.62	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT80) Mode 5775 MHz

Vertical

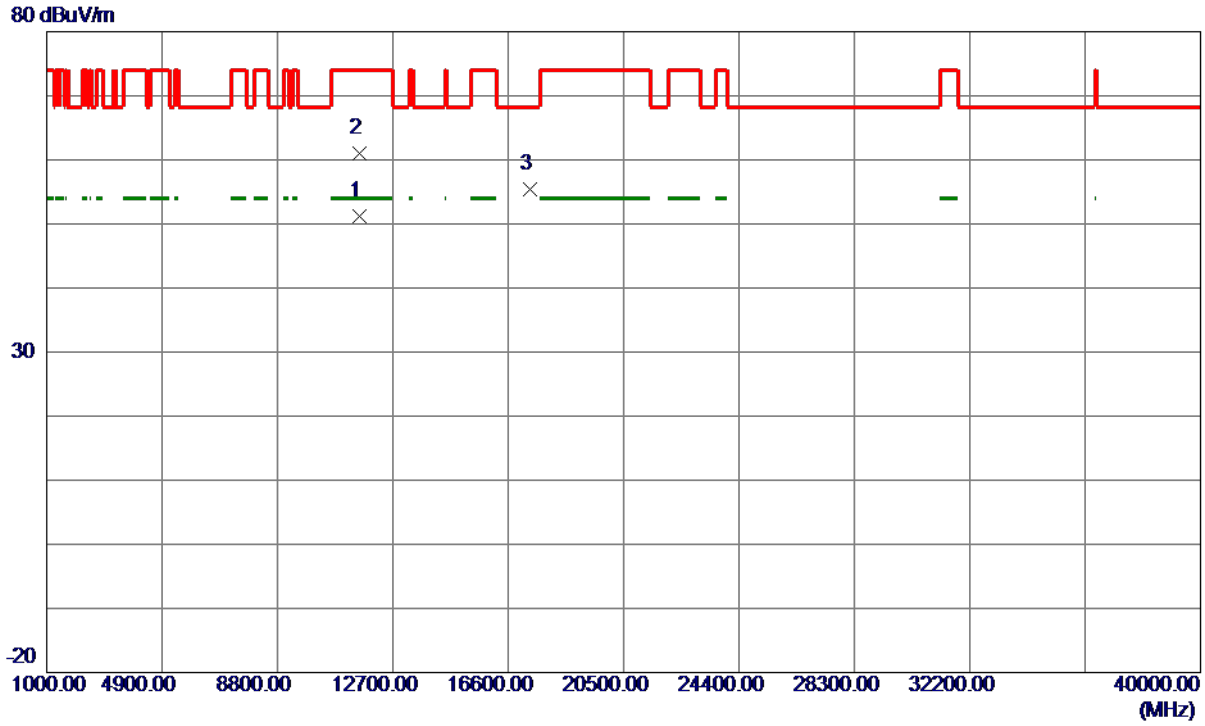


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5638.6000	27.01	38.36	65.37	68.20	-2.83	Peak	
2	5715.0000	47.39	38.46	85.85	109.40	-23.55	Peak	
3	5725.0000	50.28	38.50	88.78	122.20	-33.42	Peak	
4	5777.4000	69.45	38.70	108.15	122.20	-14.05	Peak	
5	5850.0000	40.57	38.91	79.48	122.20	-42.72	Peak	
6	5860.0000	36.59	38.94	75.53	109.40	-33.87	Peak	
7	5927.2000	24.91	39.10	64.01	68.20	-4.19	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 (VHT80) Mode 5775 MHz

Vertical

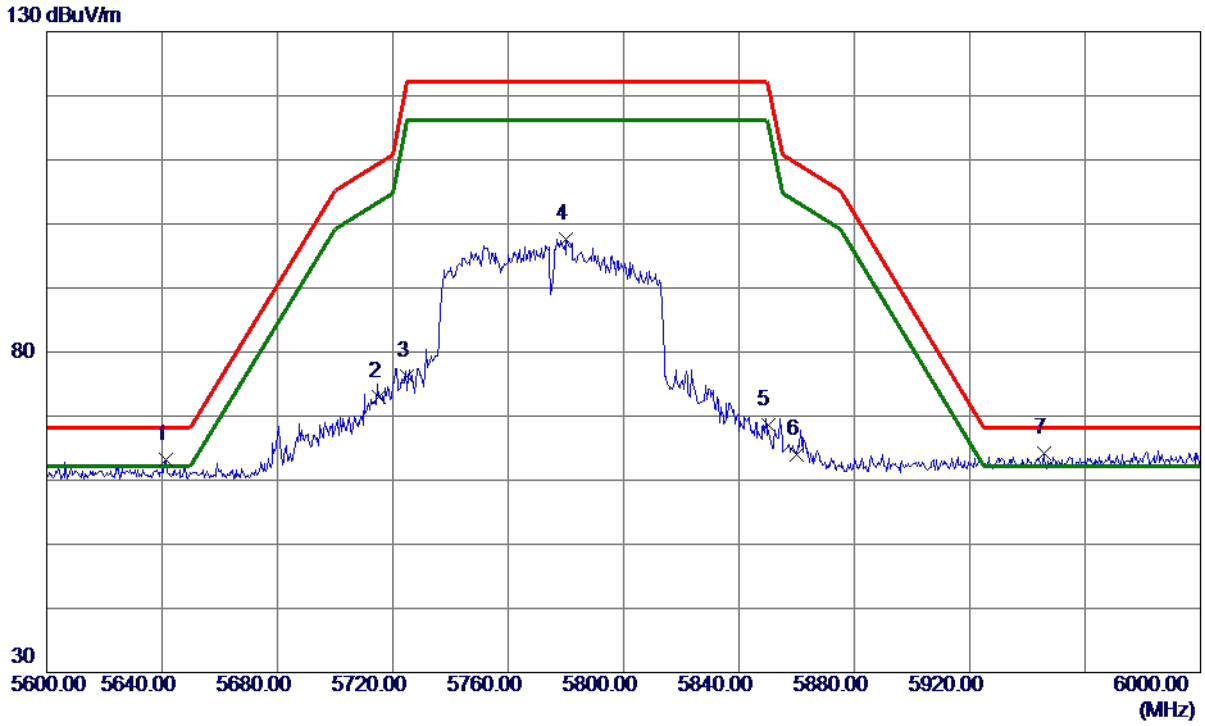


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11554.9500	48.90	2.26	51.16	54.00	-2.84	AVG	
2	11569.0000	58.80	2.27	61.07	74.00	-12.93	Peak	
3	17319.5500	48.19	7.16	55.35	68.20	-12.85	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT80) Mode 5775 MHz

Horizontal

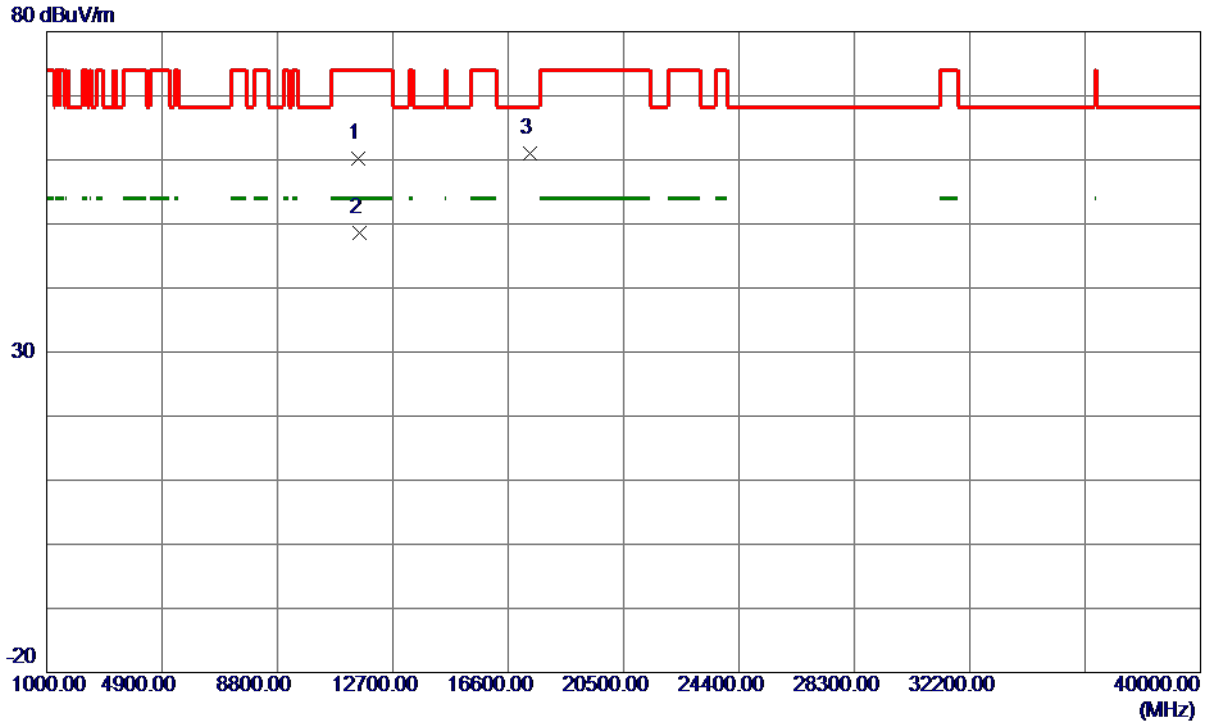


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5641.2000	24.83	38.37	63.20	68.20	-5.00	Peak	
2	5715.0000	34.58	38.46	73.04	109.40	-36.36	Peak	
3	5725.0000	37.72	38.50	76.22	122.20	-45.98	Peak	
4	5780.2000	58.95	38.71	97.66	122.20	-24.54	Peak	
5	5850.0000	29.75	38.91	68.66	122.20	-53.54	Peak	
6	5860.0000	25.12	38.94	64.06	109.40	-45.34	Peak	
7 *	5945.8000	25.05	39.14	64.19	68.20	-4.01	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT80) Mode 5775 MHz

Horizontal



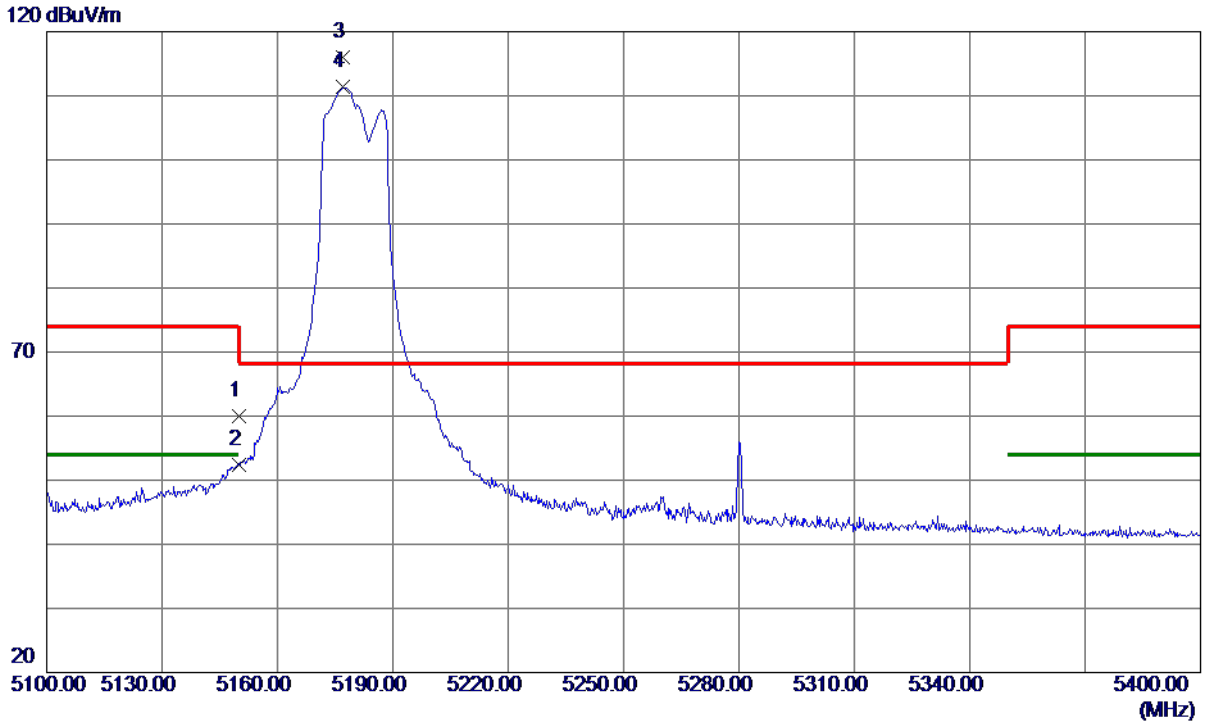
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11533.9000	57.96	2.24	60.20	74.00	-13.80	Peak	
2 *	11559.8800	46.32	2.27	48.59	54.00	-5.41	AVG	
3	17341.0000	53.79	7.30	61.09	68.20	-7.11	Peak	

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

MIMO

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz

Vertical

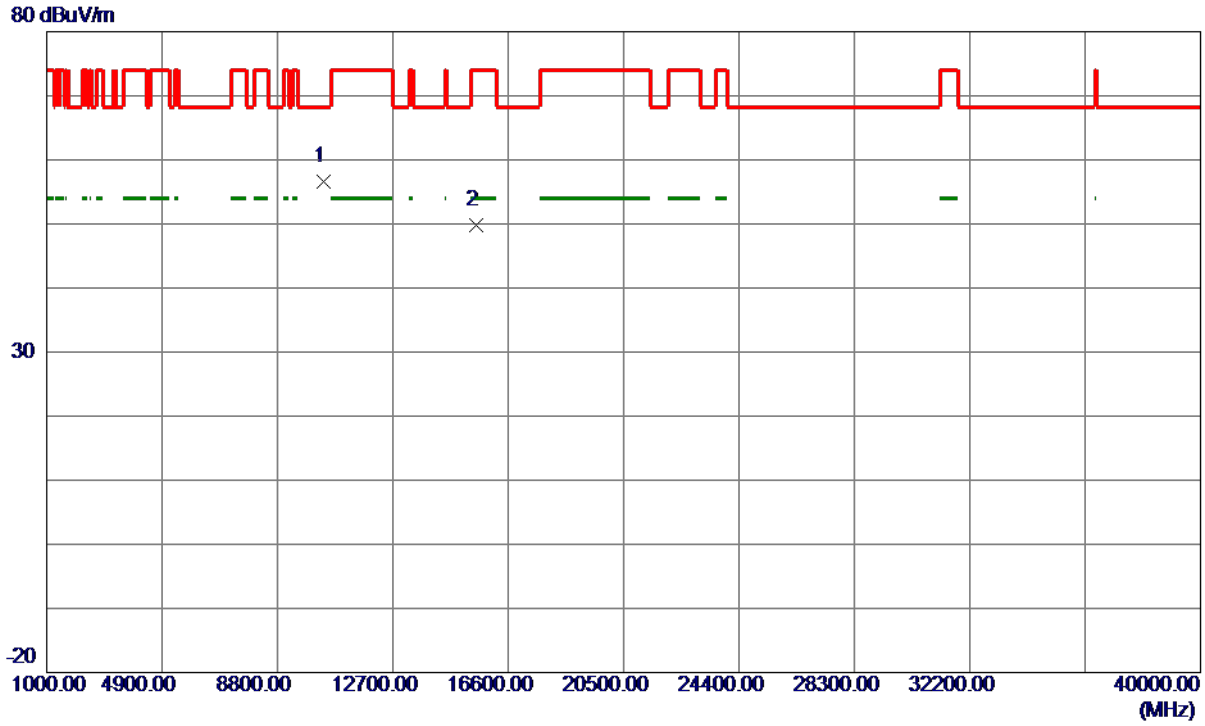


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.20	37.88	60.08	74.00	-13.92	Peak	
2	5150.0000	14.51	37.88	52.39	54.00	-1.61	AVG	
3 *	5176.9500	78.13	37.77	115.90	68.20	47.70	Peak	
4	5176.9500	73.55	37.77	111.32	999.00	-887.68	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 5180 MHz

Vertical

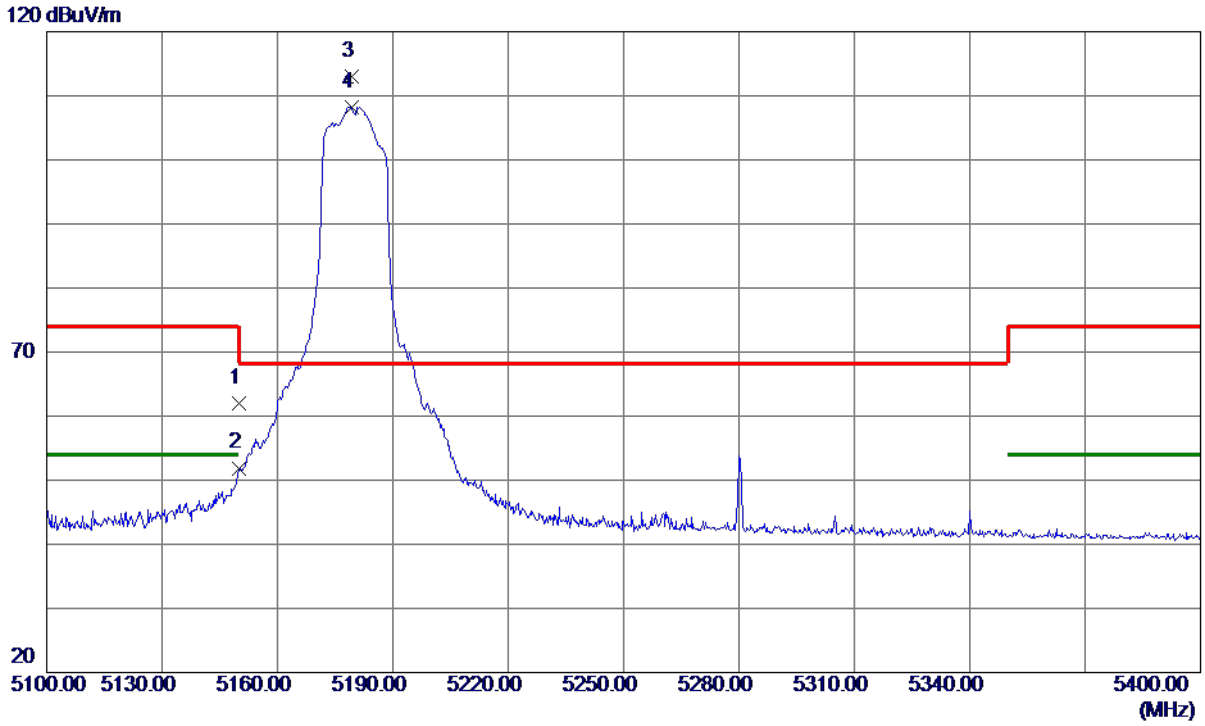


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10352.2000	55.01	1.63	56.64	68.20	-11.56	Peak	
2	15537.2500	46.87	3.02	49.89	74.00	-24.11	Peak	

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 5180 MHz

Horizontal

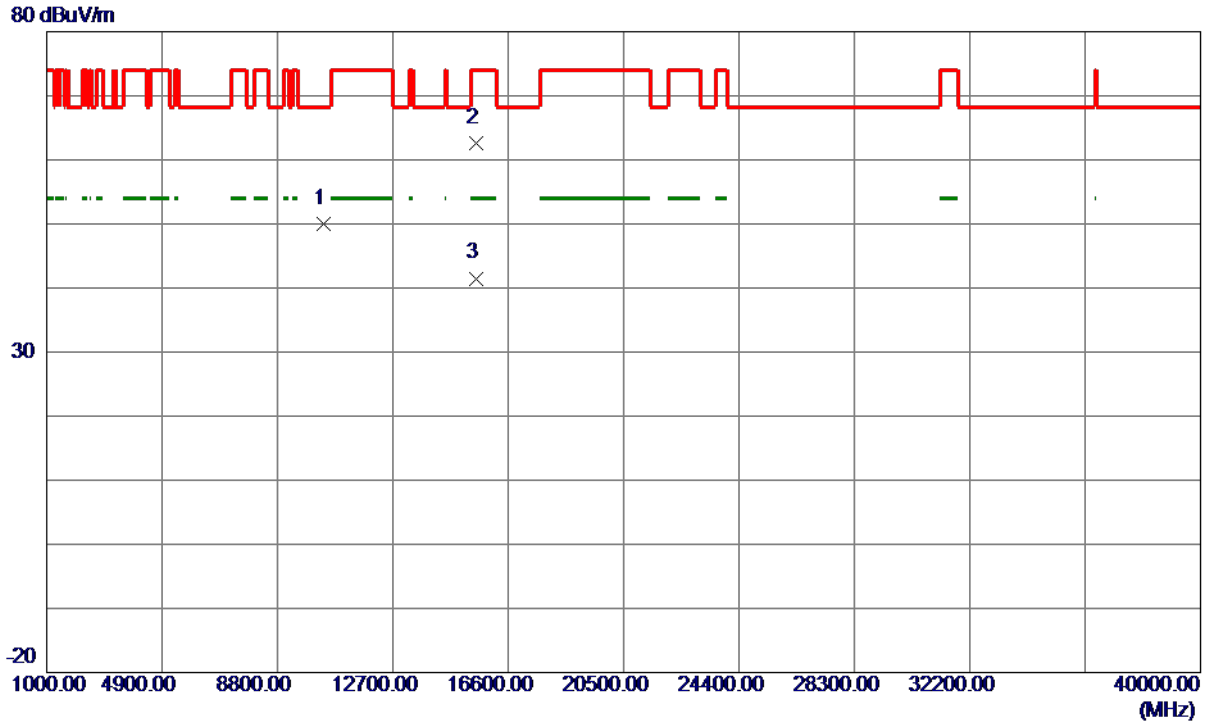


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	24.15	37.88	62.03	74.00	-11.97	Peak	
2	5150.0000	14.02	37.88	51.90	54.00	-2.10	AVG	
3 *	5179.2000	75.14	37.76	112.90	68.20	44.70	Peak	
4	5179.2000	70.49	37.76	108.25	999.00	-890.75	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 5180 MHz

Horizontal

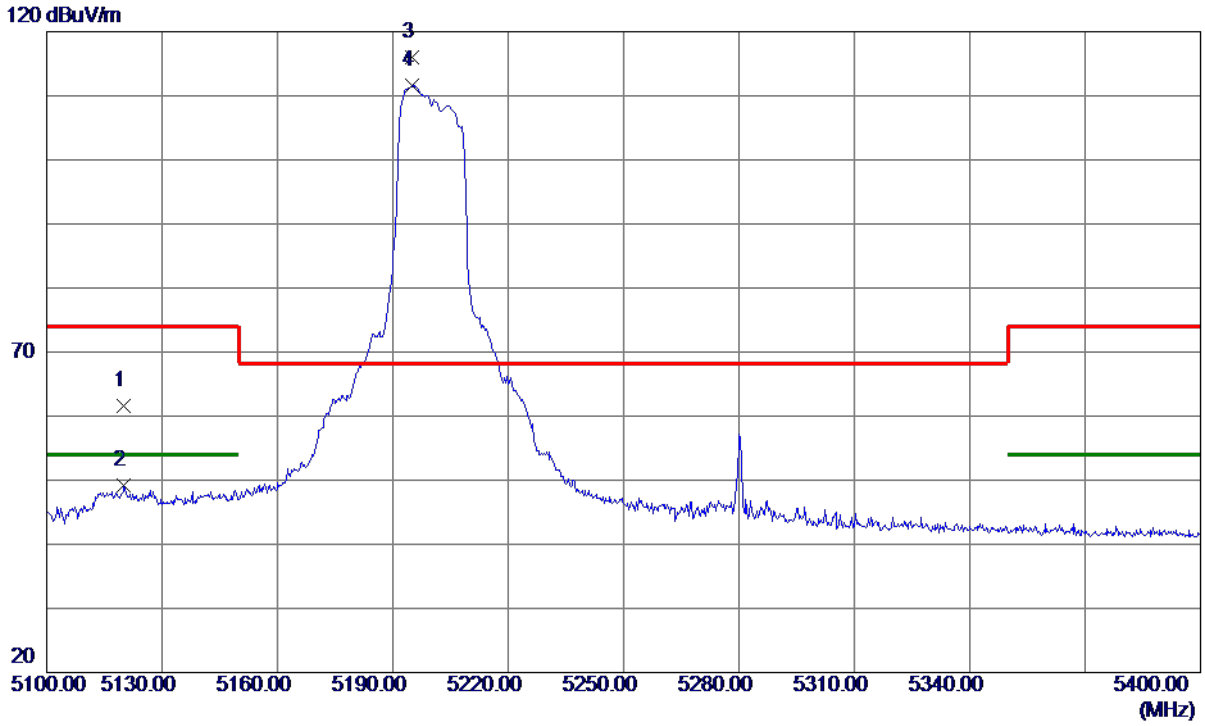


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10363.9000	48.28	1.65	49.93	68.20	-18.27	Peak	
2 *	15537.2500	59.49	3.02	62.51	74.00	-11.49	Peak	
3	15538.2600	38.48	3.02	41.50	54.00	-12.50	AVG	

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 5200 MHz

Vertical

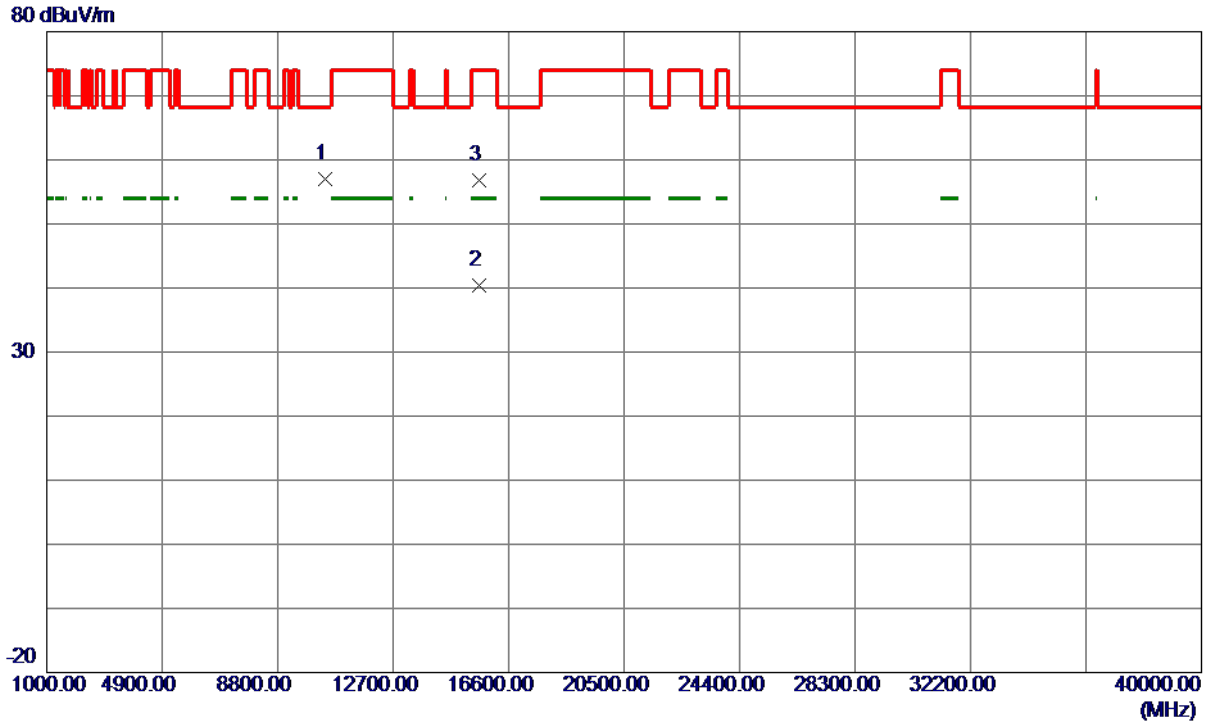


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5120.1000	23.67	37.99	61.66	74.00	-12.34	Peak	
2	5120.1000	11.12	37.99	49.11	54.00	-4.89	AVG	
3 *	5195.1000	78.33	37.70	116.03	68.20	47.83	Peak	
4	5195.1000	73.96	37.70	111.66	999.00	-887.34	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 5200 MHz

Vertical

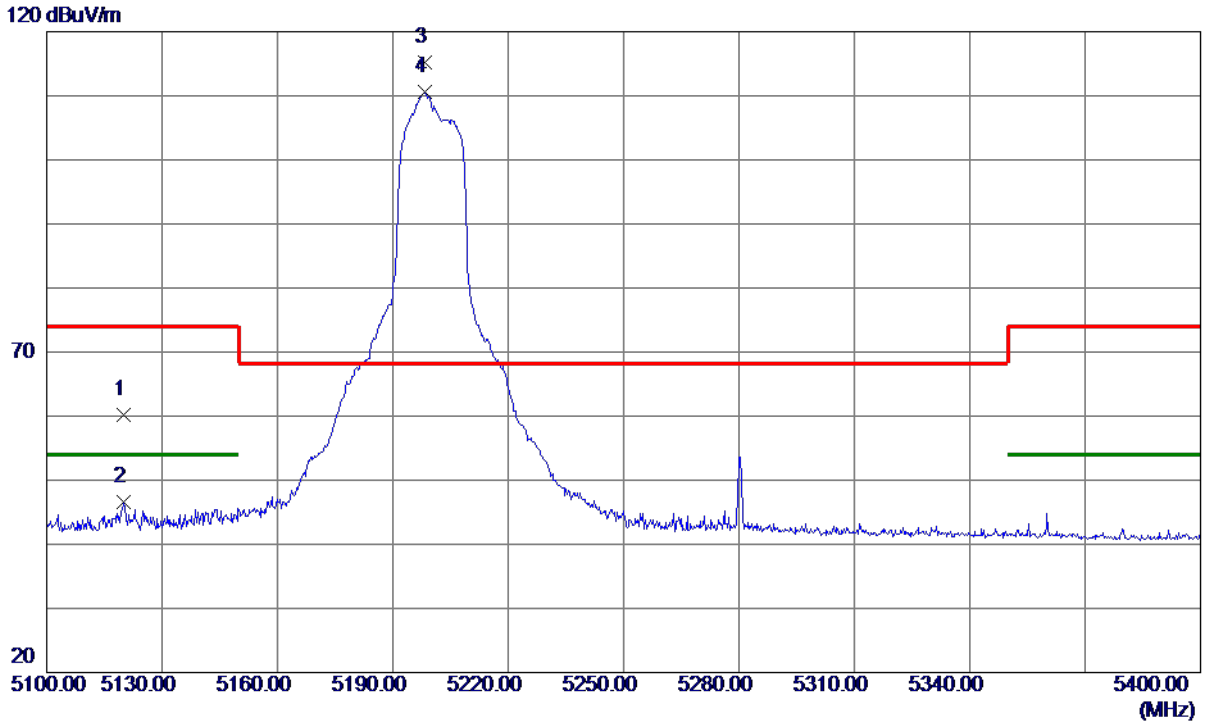


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10393.1500	55.26	1.71	56.97	68.20	-11.23	Peak	
2	15600.1320	37.49	2.87	40.36	54.00	-13.64	AVG	
3	15607.4500	53.88	2.86	56.74	74.00	-17.26	Peak	

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 5200 MHz

Horizontal

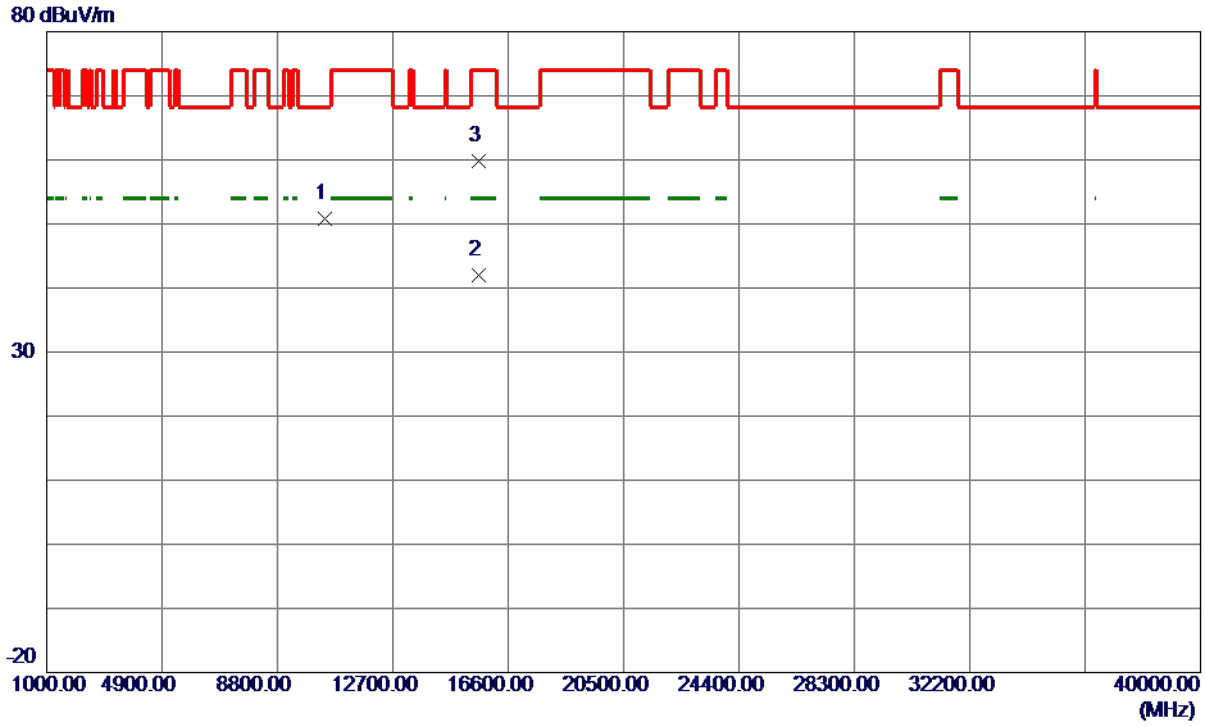


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5119.9500	22.21	37.99	60.20	74.00	-13.80	Peak	
2	5119.9500	8.68	37.99	46.67	54.00	-7.33	AVG	
3 *	5198.4000	77.49	37.69	115.18	68.20	46.98	Peak	
4	5198.4000	72.90	37.69	110.59	999.00	-888.41	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 5200 MHz

Horizontal

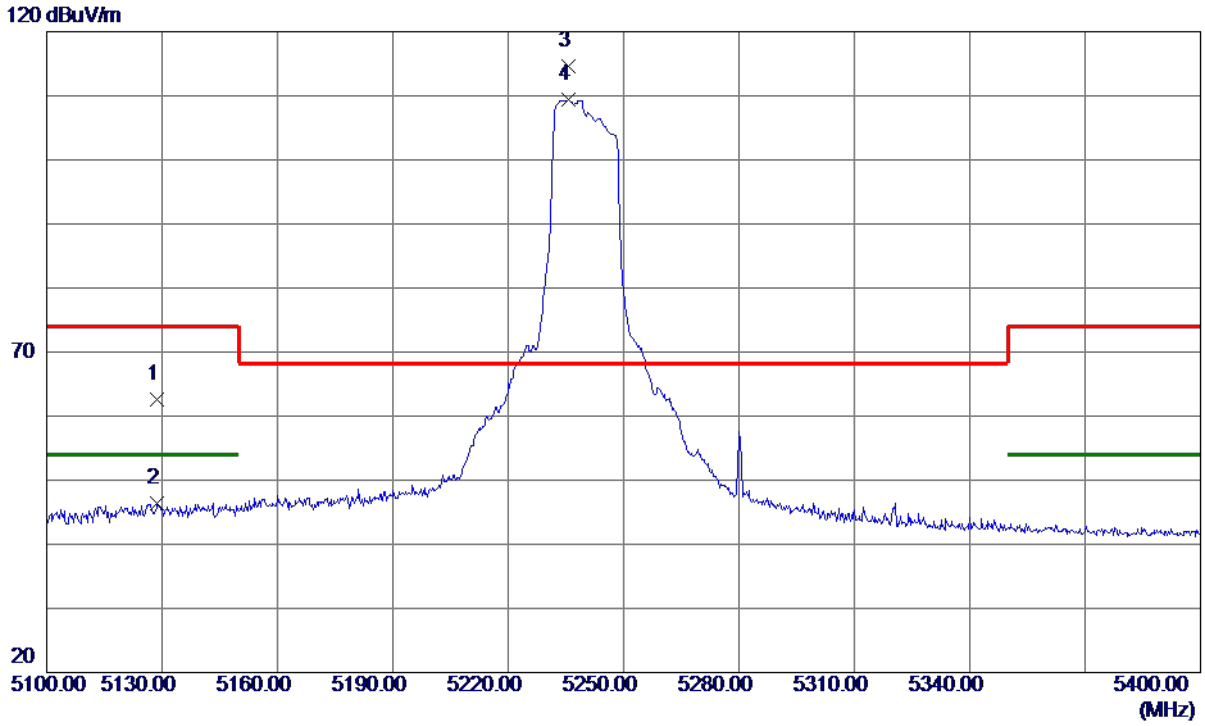


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10404.8500	49.00	1.72	50.72	68.20	-17.48	Peak	
2 *	15597.7400	39.19	2.88	42.07	54.00	-11.93	AVG	
3	15601.6000	56.99	2.87	59.86	74.00	-14.14	Peak	

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 5240 MHz

Vertical

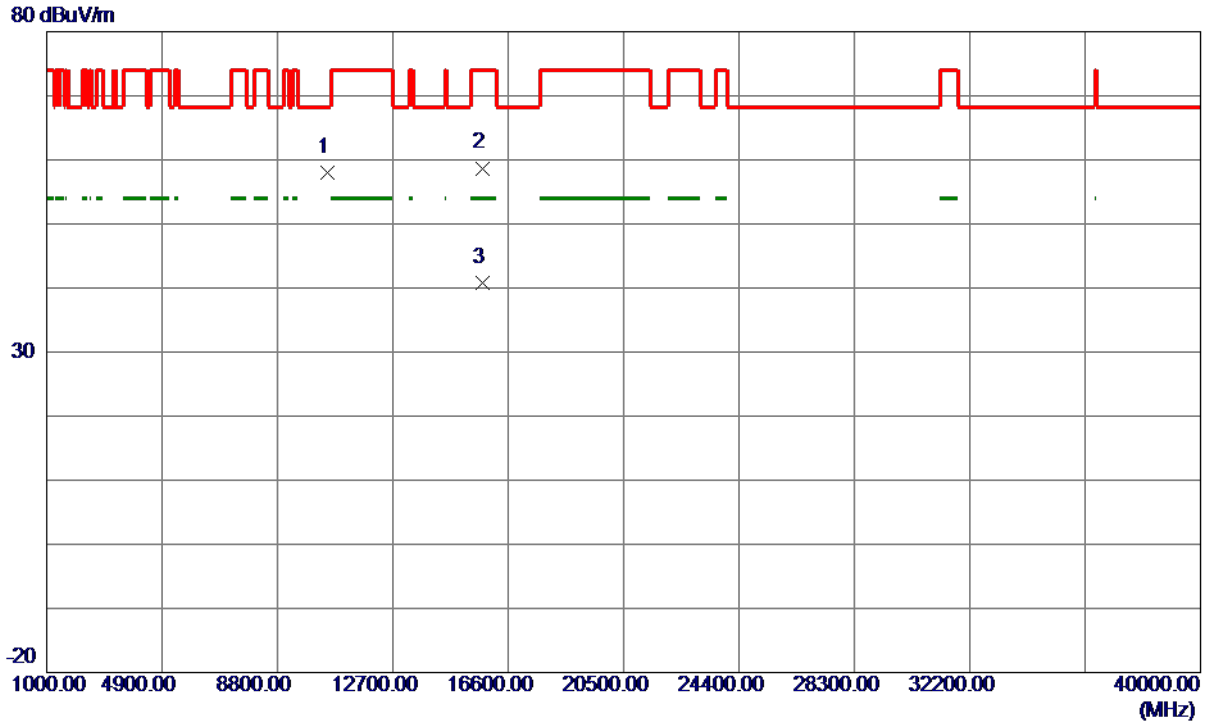


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5128.8000	24.68	37.96	62.64	74.00	-11.36	Peak	
2	5128.8000	8.48	37.96	46.44	54.00	-7.56	AVG	
3 *	5235.6000	76.95	37.63	114.58	68.20	46.38	Peak	
4	5235.6000	71.68	37.63	109.31	999.00	-889.69	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5240 MHz

Vertical

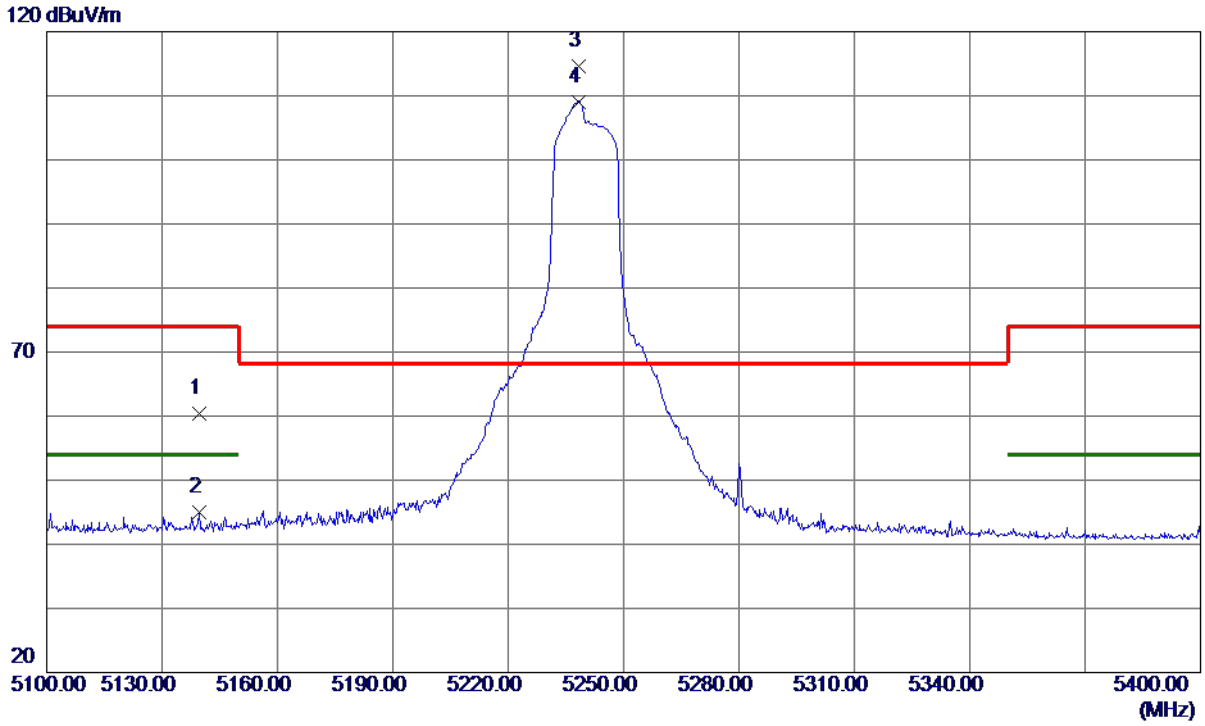


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10486.7500	56.19	1.81	58.00	68.20	-10.20	Peak	
2	15716.6500	55.95	2.75	58.70	74.00	-15.30	Peak	
3	15725.4900	38.06	2.74	40.80	54.00	-13.20	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5240 MHz

Horizontal

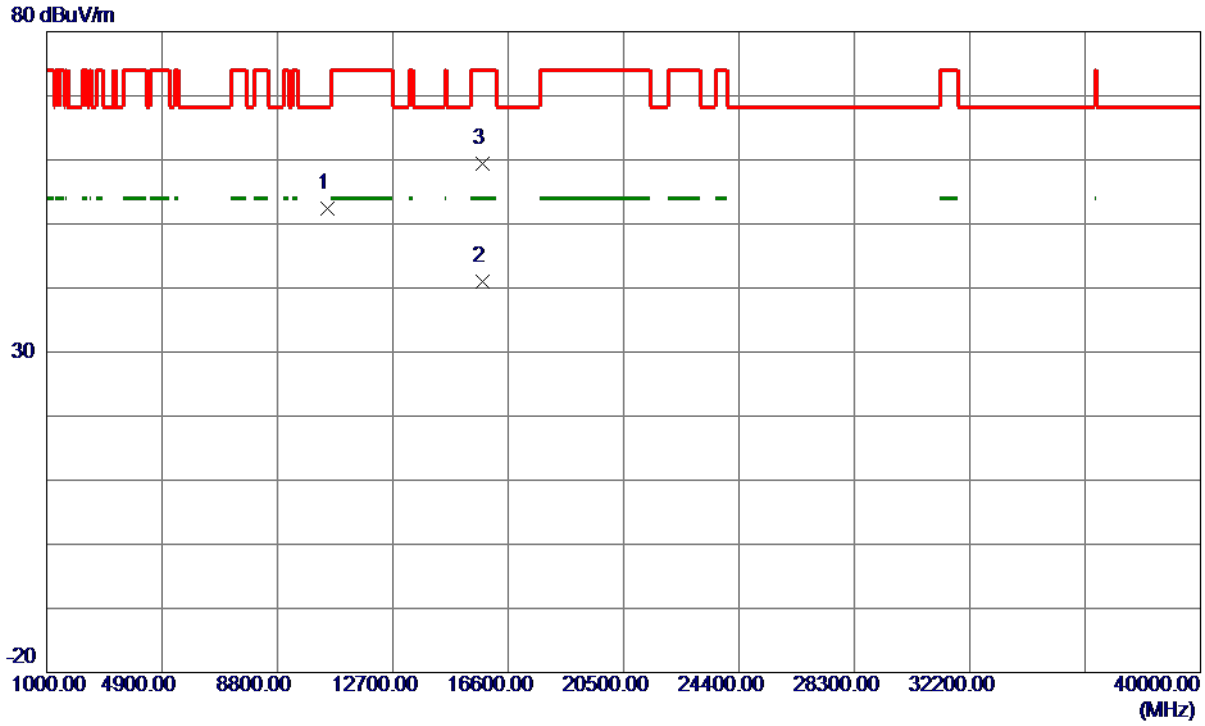


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5139.6000	22.57	37.92	60.49	74.00	-13.51	Peak	
2	5139.6000	7.16	37.92	45.08	54.00	-8.92	AVG	
3 *	5238.3000	77.00	37.62	114.62	68.20	46.42	Peak	
4	5238.3000	71.48	37.62	109.10	999.00	-889.90	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 5240 MHz

Horizontal

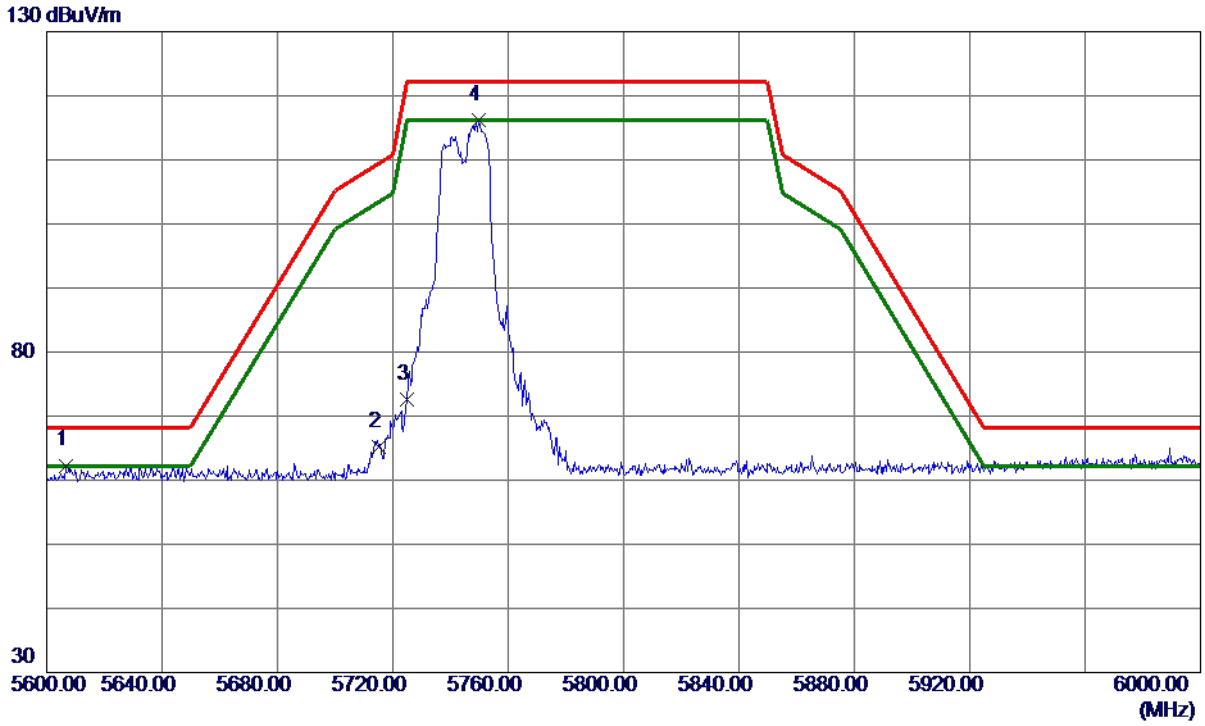


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10482.8500	50.62	1.80	52.42	68.20	-15.78	Peak	
2 *	15718.1030	38.20	2.75	40.95	54.00	-13.05	AVG	
3	15720.5500	56.61	2.75	59.36	74.00	-14.64	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5745 MHz

Vertical

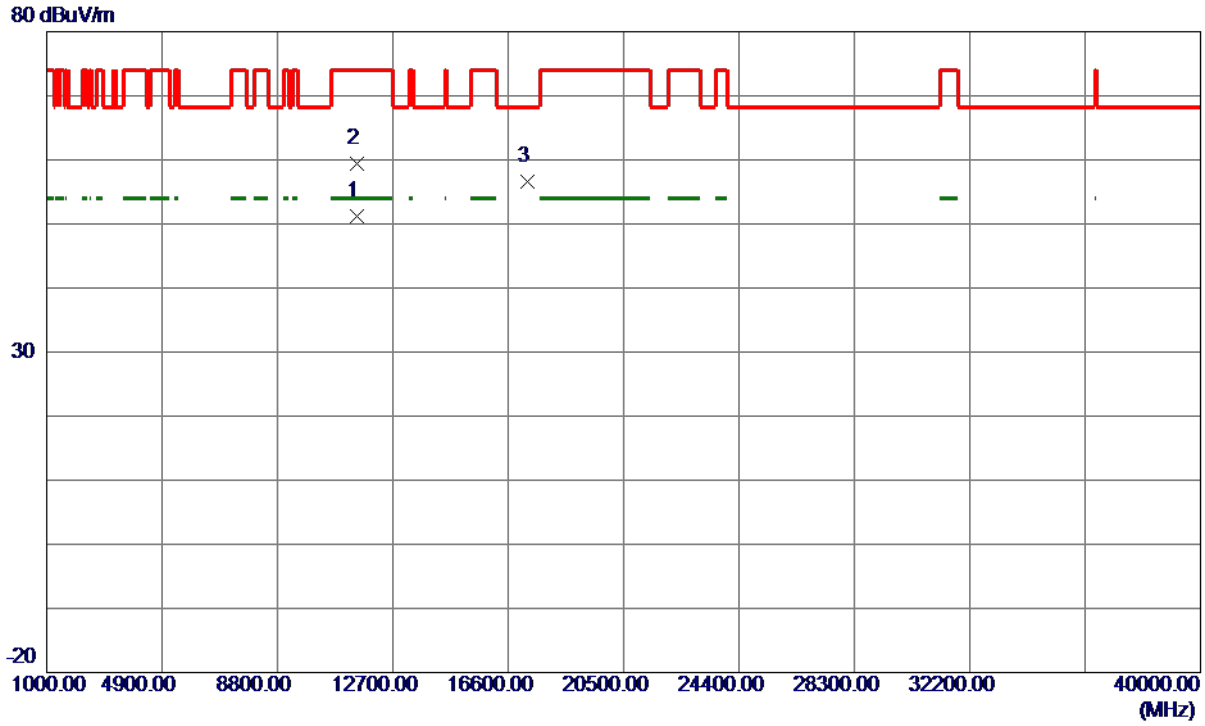


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5606.6000	23.96	38.34	62.30	68.20	-5.90	Peak	
2	5715.0000	26.82	38.46	65.28	109.40	-44.12	Peak	
3	5725.0000	34.13	38.50	72.63	122.20	-49.57	Peak	
4	5749.6000	77.58	38.59	116.17	122.20	-6.03	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5745 MHz

Vertical

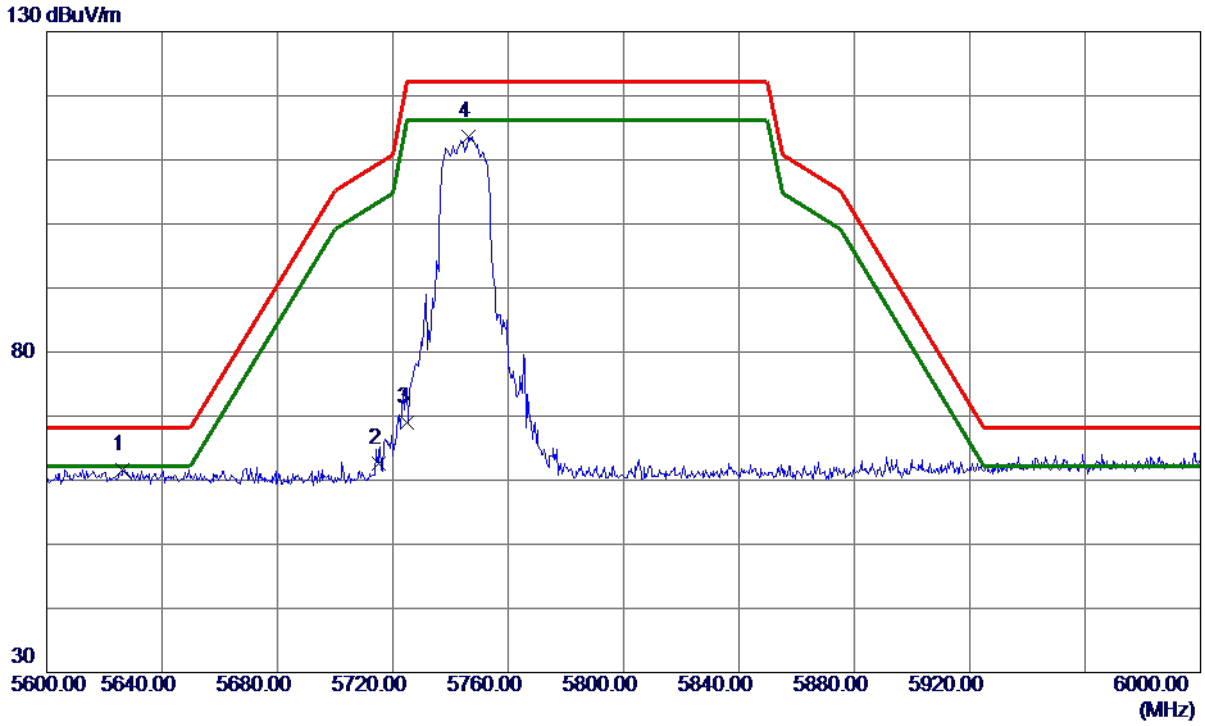


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11489.9000	49.01	2.21	51.22	54.00	-2.78	AVG	
2	11491.0000	57.19	2.21	59.40	74.00	-14.60	Peak	
3	17235.7000	50.02	6.63	56.65	68.20	-11.55	Peak	

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 5745 MHz

Horizontal

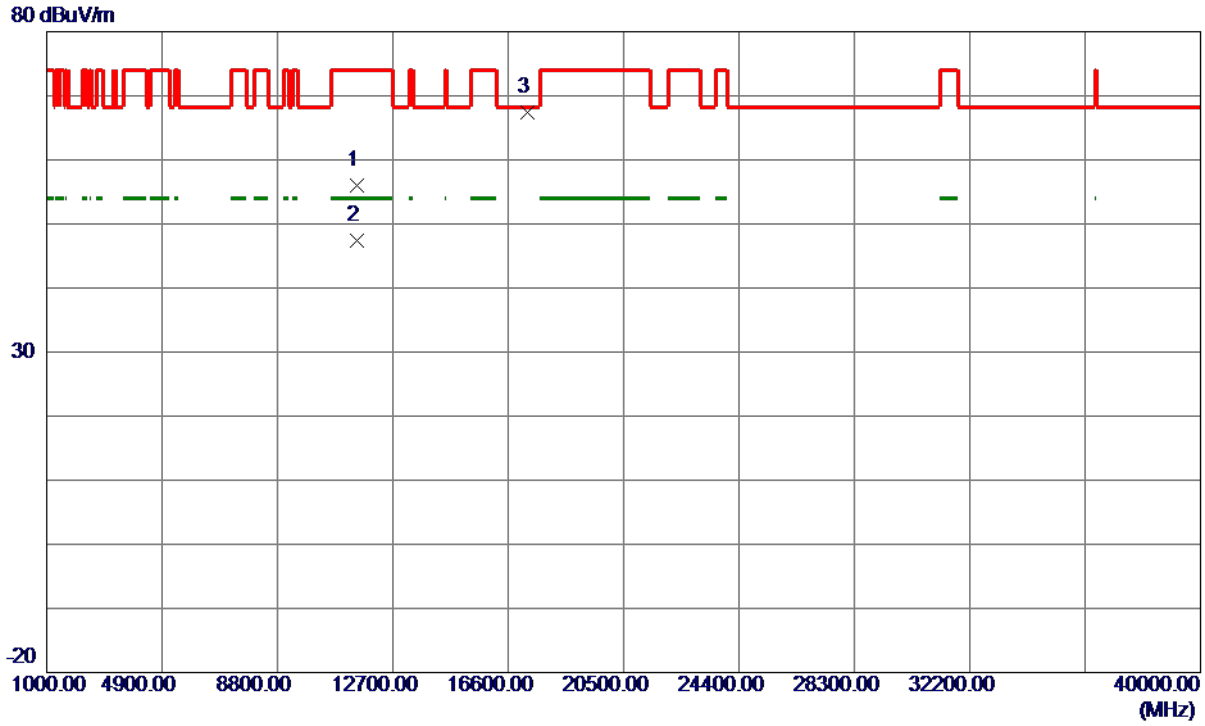


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5626.4000	23.27	38.36	61.63	68.20	-6.57	Peak	
2	5715.0000	24.14	38.46	62.60	109.40	-46.80	Peak	
3	5725.0000	30.52	38.50	69.02	122.20	-53.18	Peak	
4	5746.2000	75.09	38.58	113.67	122.20	-8.53	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 5745 MHz

Horizontal

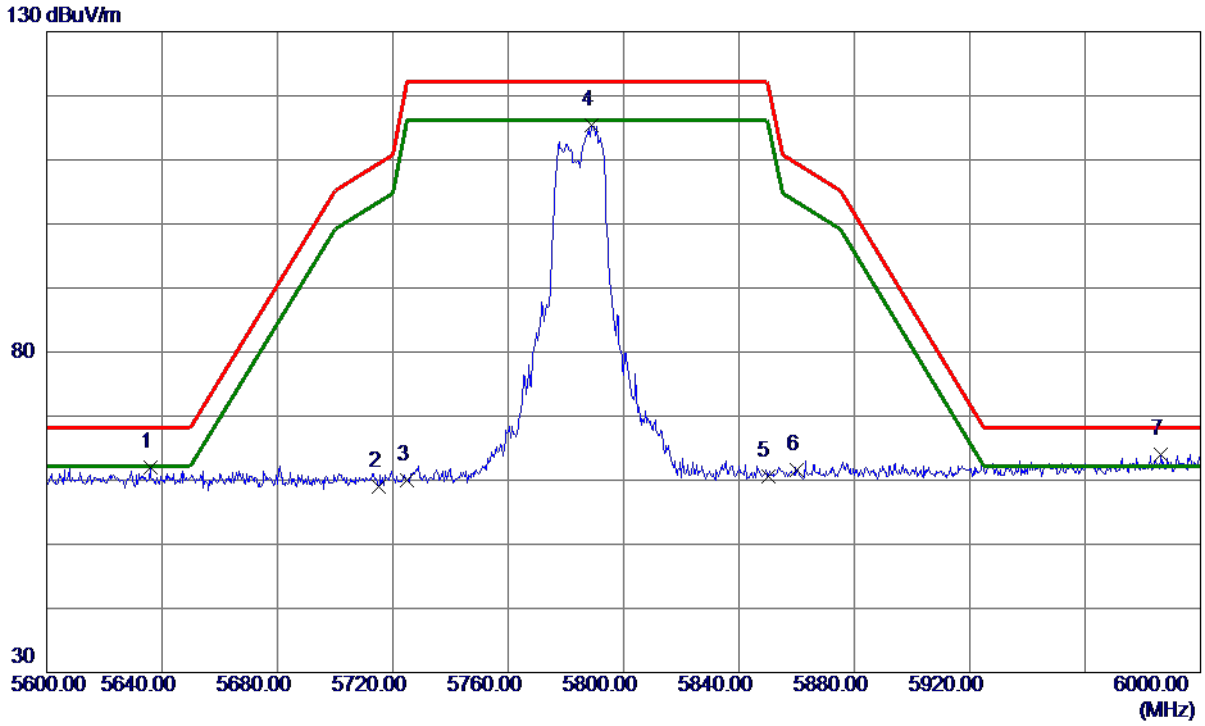


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11492.9500	53.84	2.21	56.05	74.00	-17.95	Peak	
2	11493.3600	45.21	2.21	47.42	54.00	-6.58	AVG	
3 *	17233.7500	60.84	6.62	67.46	68.20	-0.74	Peak	

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 5785 MHz

Vertical

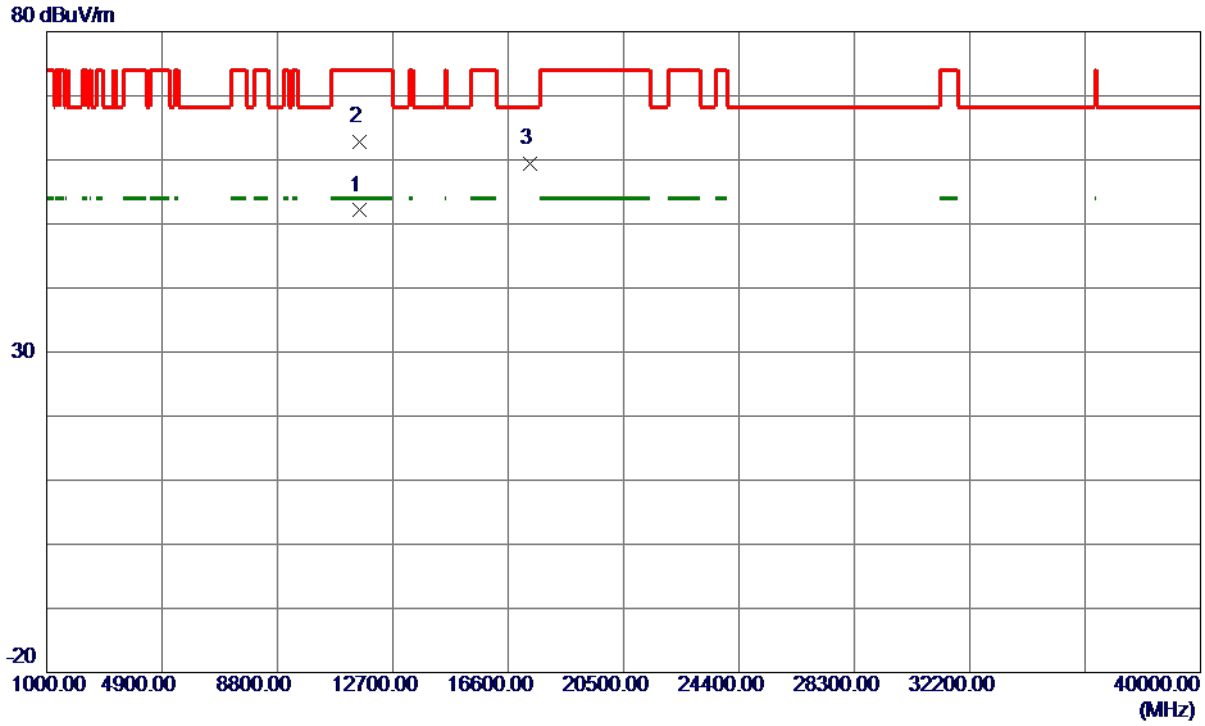


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5635.8000	23.70	38.36	62.06	68.20	-6.14	Peak	
2	5715.0000	20.47	38.46	58.93	109.40	-50.47	Peak	
3	5725.0000	21.44	38.50	59.94	122.20	-62.26	Peak	
4	5789.0000	76.75	38.74	115.49	122.20	-6.71	Peak	
5	5850.0000	21.65	38.91	60.56	122.20	-61.64	Peak	
6	5860.0000	22.73	38.94	61.67	109.40	-47.73	Peak	
7 *	5986.4000	24.82	39.22	64.04	68.20	-4.16	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 5785 MHz

Vertical

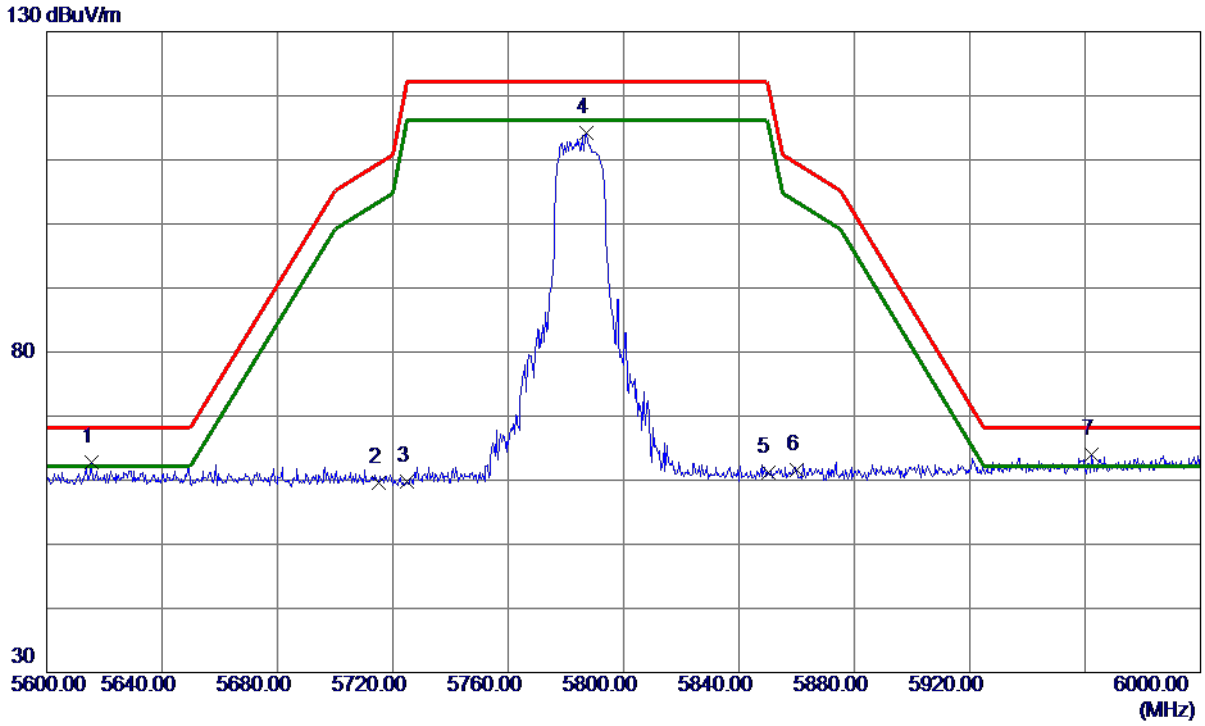


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11570.1000	49.83	2.27	52.10	54.00	-1.90	AVG	
2	11570.9500	60.50	2.28	62.78	74.00	-11.22	Peak	
3	17348.8000	52.07	7.35	59.42	68.20	-8.78	Peak	

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 5785 MHz

Horizontal

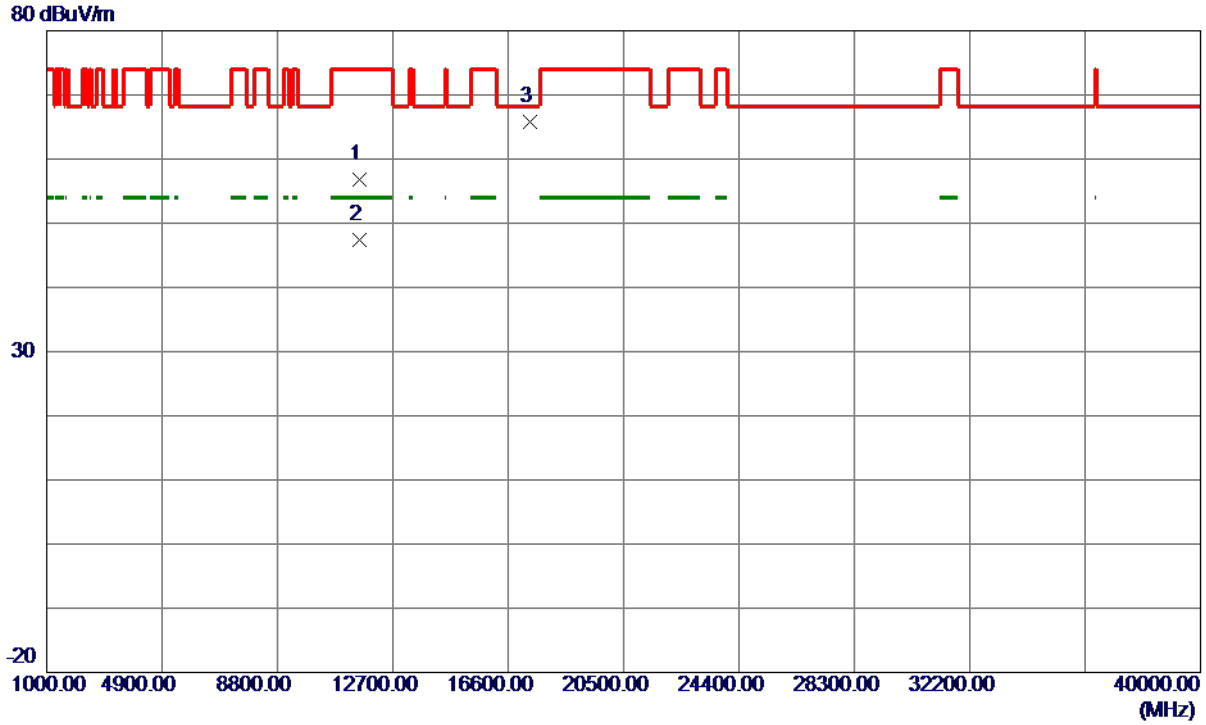


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5615.4000	24.47	38.35	62.82	68.20	-5.38	Peak	
2	5715.0000	21.18	38.46	59.64	109.40	-49.76	Peak	
3	5725.0000	21.24	38.50	59.74	122.20	-62.46	Peak	
4	5787.2000	75.52	38.73	114.25	122.20	-7.95	Peak	
5	5850.0000	22.28	38.91	61.19	122.20	-61.01	Peak	
6	5860.0000	22.67	38.94	61.61	109.40	-47.79	Peak	
7 *	5962.4000	24.80	39.17	63.97	68.20	-4.23	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 5785 MHz

Horizontal

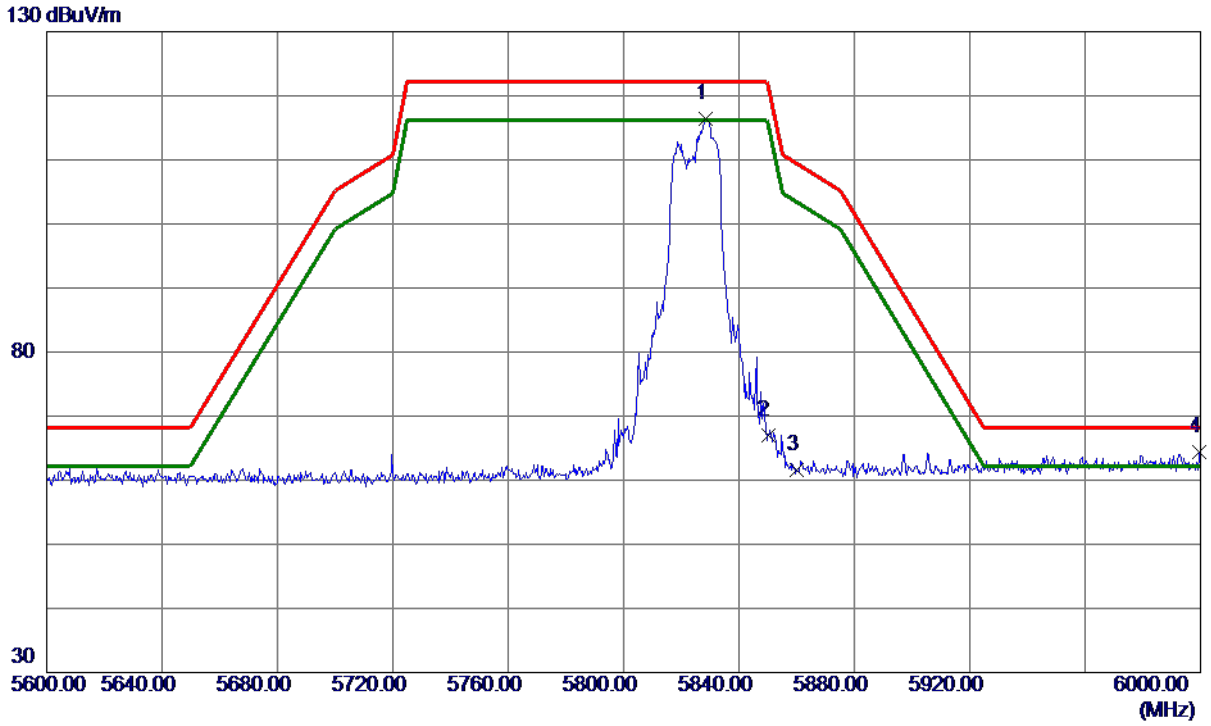


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11572.9000	54.47	2.28	56.75	74.00	-17.25	Peak	
2	11573.8920	45.21	2.28	47.49	54.00	-6.51	AVG	
3 *	17352.7000	58.40	7.37	65.77	68.20	-2.43	Peak	

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 5825 MHz

Vertical

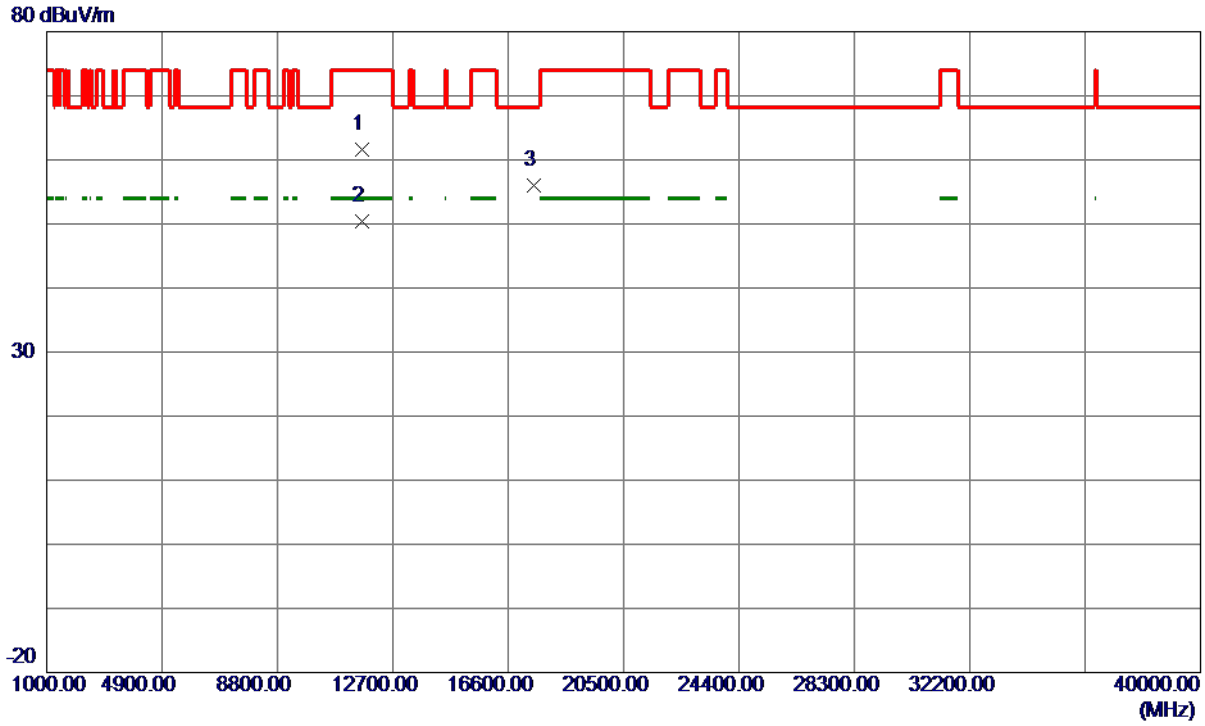


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5828.6000	77.54	38.86	116.40	122.20	-5.80	Peak	
2	5850.0000	28.13	38.91	67.04	122.20	-55.16	Peak	
3	5860.0000	22.58	38.94	61.52	109.40	-47.88	Peak	
4 *	5999.6000	25.22	39.25	64.47	68.20	-3.73	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 5825 MHz

Vertical

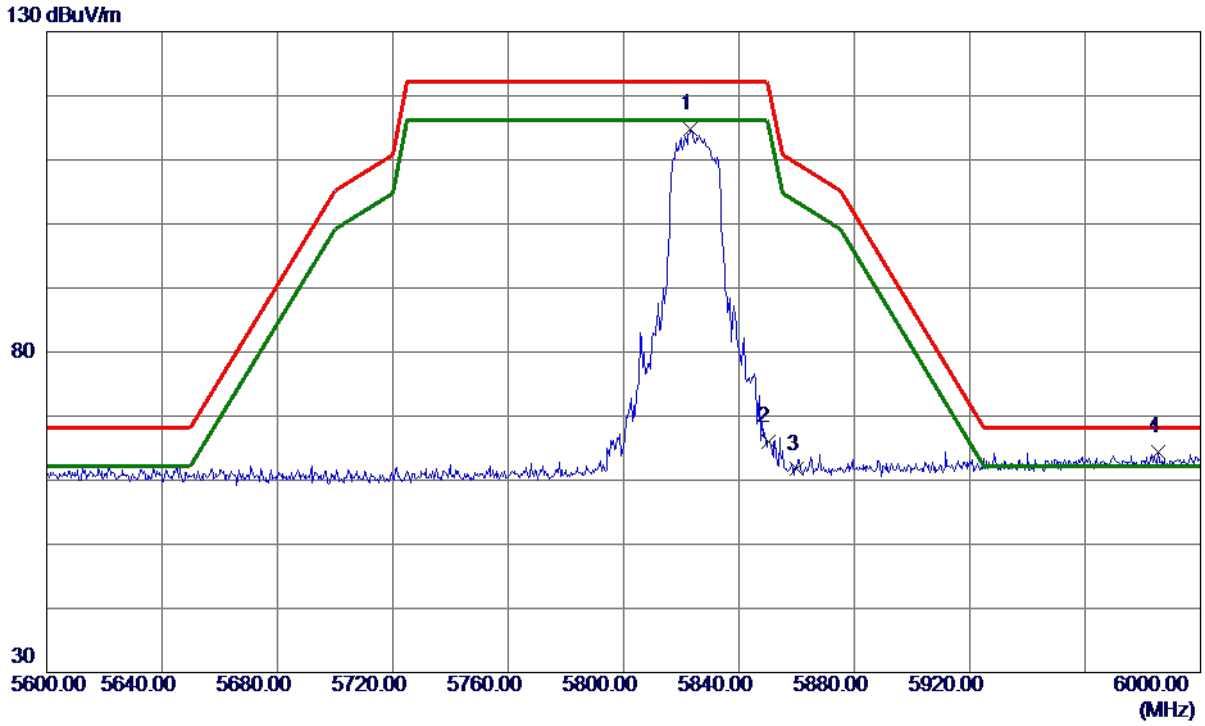


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11643.1000	59.52	2.13	61.65	74.00	-12.35	Peak	
2 *	11647.4900	48.37	2.11	50.48	54.00	-3.52	AVG	
3	17473.6000	48.06	8.02	56.08	68.20	-12.12	Peak	

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 5825 MHz

Horizontal

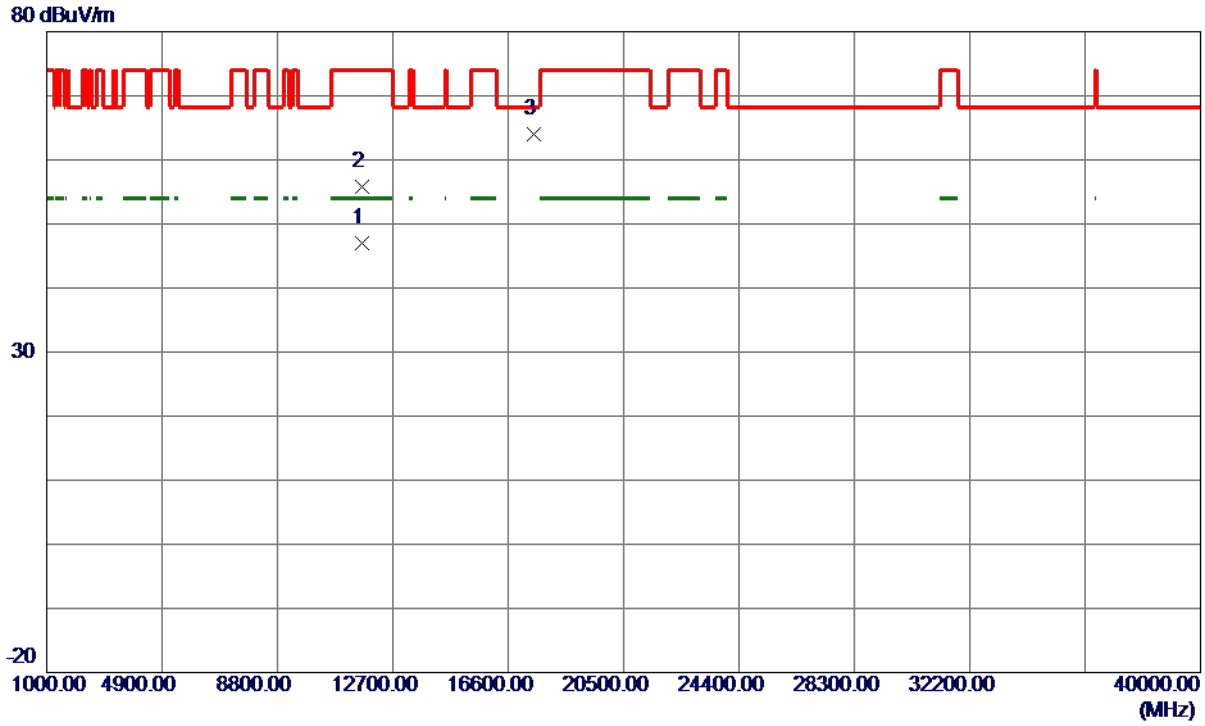


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5823.2000	76.02	38.84	114.86	122.20	-7.34	Peak	
2	5850.0000	27.01	38.91	65.92	122.20	-56.28	Peak	
3	5860.0000	22.76	38.94	61.70	109.40	-47.70	Peak	
4 *	5985.2000	25.14	39.22	64.36	68.20	-3.84	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 5825 MHz

Horizontal

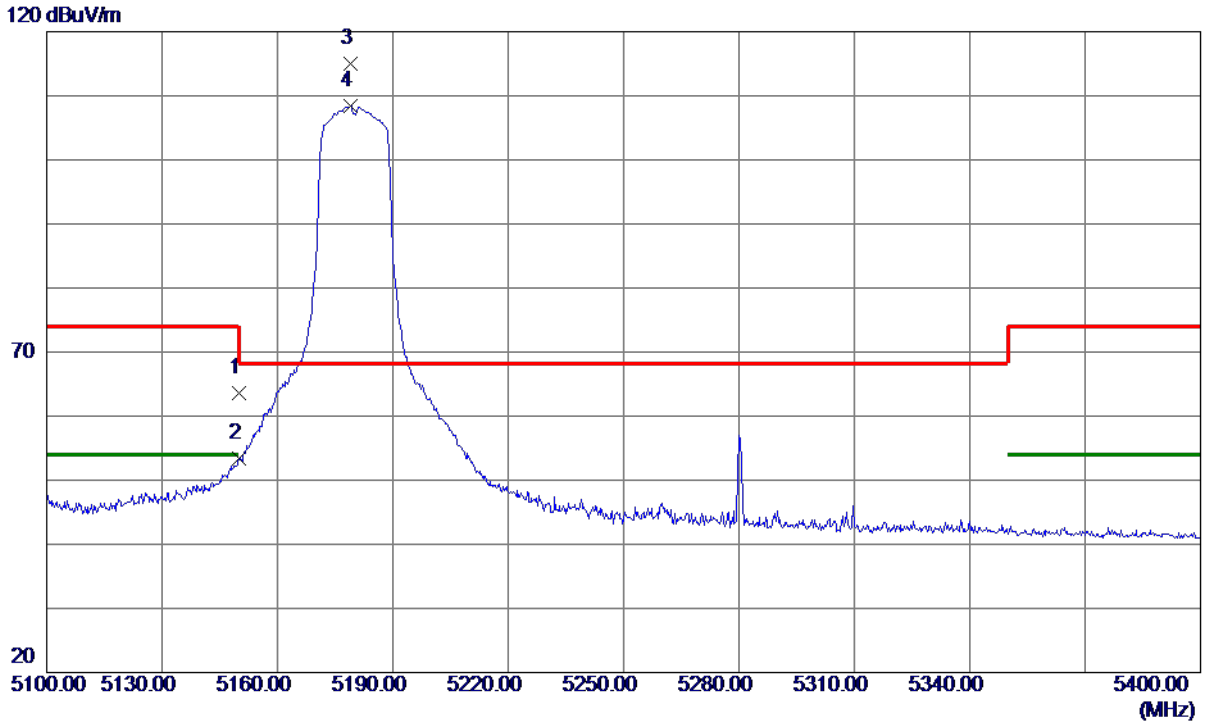


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11650.8970	44.90	2.10	47.00	54.00	-7.00	AVG	
2	11654.8000	53.65	2.09	55.74	74.00	-18.26	Peak	
3 *	17471.6500	56.06	8.01	64.07	68.20	-4.13	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5180 MHz

Vertical

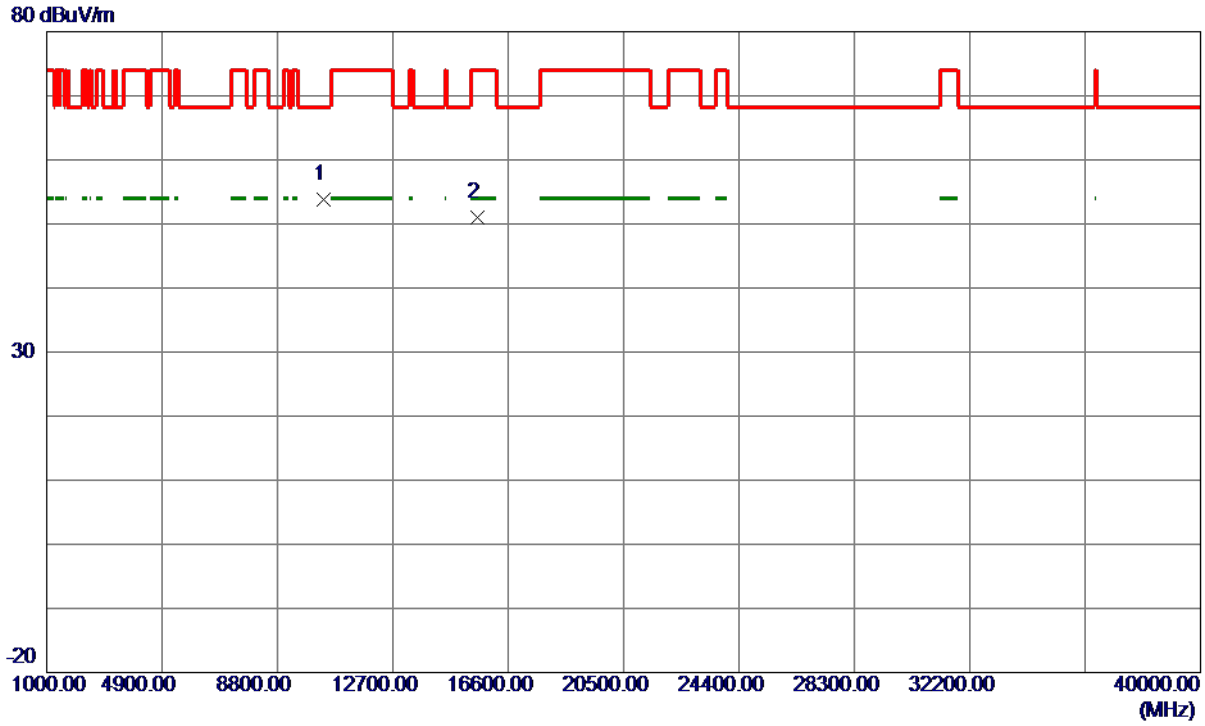


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	25.63	37.88	63.51	74.00	-10.49	Peak	
2	5150.0000	15.57	37.88	53.45	54.00	-0.55	AVG	
3 *	5178.9000	77.17	37.76	114.93	68.20	46.73	Peak	
4	5178.9000	70.61	37.76	108.37	999.00	-890.63	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 (VHT20) Mode 5180 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10363.9000	52.06	1.65	53.71	68.20	-14.49	Peak	
2	15539.2000	47.93	3.02	50.95	74.00	-23.05	Peak	

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