

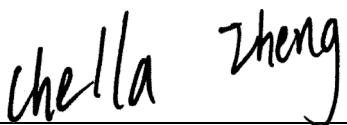
FCC Radio Test Report

FCC ID: TE7EAP660HDV1

This report concerns: Original Grant

Project No. : 2004C014
Equipment : AX3600 Wireless Dual-Band Multi-Gigabit Ceiling Mount Access Point
Brand Name : tp-link
Test Model : EAP660 HD
Series Model : N/A
Applicant : TP-Link Technologies Co., Ltd.
Address : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Manufacturer : TP-Link Technologies Co., Ltd.
Address : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Date of Receipt : Jun. 08, 2020
Date of Test : Jun. 09, 2020 ~ Sep. 14, 2020
Issued Date : Oct. 16, 2020
Report Version : R00
Test Sample : Engineering Sample No.: DG2020060585 for conducted, DG2020060586 for radiated.
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.



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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.	Oct. 16, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)				
Standard(s) Section	Test Item	Test Result	Judgment	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 (2)
15.407(c)	Automatically Discontinue Transmission	-----	PASS	NOTE (3)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
- (3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (4) For UNII-1 this device was functioned as a
☒ Access point device ☐ Client device

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

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

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

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

B. Radiated emissions test:

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

C. Other Measurement:

Test Item	Uncertainty
Spectrum Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Power Spectral Density	±0.86 dB
Frequency Stability	±0.16 dB
Temperature	±0.08 °C
Time	±0.58 %
Supply voltages	±0.3 %

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	25°C	53%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-30 MHz to 1GHz	22°C	54%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-Above 1000 MHz	24°C	60%	AC 120V/60Hz	Kwok Guo
Spectrum Bandwidth	24°C	57%	AC 120V/60Hz	Hayden Chen
Maximum Output Power	24°C	57%	AC 120V/60Hz	Laughing Zhang
Power Spectral Density	24°C	57%	AC 120V/60Hz	Hayden Chen
Frequency Stability	Normal & Extreme	57%	Normal & Extreme	Hayden Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX3600 Wireless Dual-Band Multi-Gigabit Ceiling Mount Access Point
Brand Name	tp-link
Test Model	EAP660 HD
Series Model	N/A
Model Difference(s)	N/A
Power Source	1# Supplied from PoE adapter (Support Unit). 2# DC voltage supplied from AC adapter. Model: GQ24-120200-AU
Power Rating	1# DC 42.5-57V, 0.6A 2# I/P: 100-240V~50/60Hz 1.0A Max O/P: 12V $\overline{=}$ 2.0A
Operation Frequency Bands	UNII-1: 5150 MHz~5250 MHz UNII-3: 5725 MHz~5850 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 600 Mbps IEEE 802.11ac: up to 1733.2 Mbps IEEE 802.11ax: up to 2402 Mbps
Maximum Output Power _UNII-1 Non Beamforming	IEEE 802.11a: 26.04 dBm (0.4018 W) IEEE 802.11ac(VHT20): 26.22 dBm (0.4188 W) IEEE 802.11ac(VHT40): 27.92 dBm (0.6194 W) IEEE 802.11ac(VHT80): 24.99 dBm (0.3155 W) IEEE 802.11ax(HE20): 26.09 dBm (0.4064 W) IEEE 802.11ax(HE40): 27.38 dBm (0.5470 W) IEEE 802.11ax(HE80): 25.30 dBm (0.3388 W)
Maximum Output Power _UNII-3 Non Beamforming	IEEE 802.11a: 27.91 dBm (0.6180 W) IEEE 802.11ac(VHT20): 27.88 dBm (0.6138 W) IEEE 802.11ac(VHT40): 27.72 dBm (0.5916 W) IEEE 802.11ac(VHT80): 27.71 dBm (0.5902 W) IEEE 802.11ax(HE20): 27.66 dBm (0.5834 W) IEEE 802.11ax(HE40): 27.53 dBm (0.5662 W) IEEE 802.11ax(HE80): 27.54 dBm (0.5675 W)
Maximum Output Power _UNII-1 Beamforming	IEEE 802.11ac(VHT20): 26.10 dBm (0.4074 W) IEEE 802.11ac(VHT40): 27.95 dBm (0.6237 W) IEEE 802.11ac(VHT80): 27.76 dBm (0.5970 W) IEEE 802.11ax(HE20): 26.14 dBm (0.4111 W) IEEE 802.11ax(HE40): 27.64 dBm (0.5808 W) IEEE 802.11ax(HE80): 27.60 dBm (0.5754 W)
Maximum Output Power _UNII-3 Beamforming	IEEE 802.11ac(VHT20): 27.84 dBm (0.6081 W) IEEE 802.11ac(VHT40): 27.69 dBm (0.5875 W) IEEE 802.11ac(VHT80): 27.75 dBm (0.5957 W) IEEE 802.11ax(HE20): 27.46 dBm (0.5572 W) IEEE 802.11ax(HE40): 27.59 dBm (0.5741 W) IEEE 802.11ax(HE80): 27.61 dBm (0.5768 W)

Note:

- 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 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
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 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
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. RU Configuration:

Operating Mode	Resource Unit	242 Tone(20M)
IEEE 802.11ax(HE20)	Specific Resource Unit	61
IEEE 802.11ax(HE40)	Resource Unit	484 Tone(40M)
	Specific Resource Unit	65
IEEE 802.11ax(HE80)	Resource Unit	996 Tone(80M)
	Specific Resource Unit	67

Remark: IEEE 802.11ax mode only supports the highest tone, so the highest tone was evaluated and measured inside report.

4. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1		N/A	Monopole	N/A	1.30	UNII-1
2		N/A	Monopole	N/A	0.95	
3		N/A	Monopole	N/A	0.62	
4		N/A	Monopole	N/A	1.47	
1		N/A	Monopole	N/A	1.99	UNII-3
2		N/A	Monopole	N/A	1.74	
3		N/A	Monopole	N/A	1.08	
4		N/A	Monopole	N/A	0.94	

Note:

- 1) This EUT supports CDD, and all antenna gains are not equal, so Directional gain= $10\log[(10^{G1/20}+10^{G2/20}+...10^{GN/20})^2/N]$ dBi.
 - a) For UNII-1, the Directional gain= $10\log[(10^{1.30/20}+10^{0.95/20}+10^{0.62/20}+10^{1.47/20})^2/4]$ dBi=7.11. So, the output power limit is $30-(7.11-6)=28.89$, the power spectral density limit is $17-(7.11-6)=15.89$.
 - b) For UNII-3, the Directional gain= $10\log[(10^{1.99/20}+10^{1.74/20}+10^{1.08/20}+10^{0.94/20})^2/4]$ dBi=7.47. So, the output power limit is $30-(7.47-6)=28.53$, the power spectral density limit is $30-(7.47-6)=28.53$.
- 2) Beamforming Gain: 6dB.
 - a) For UNII-1, the Directional gain= $6+1.47=7.47$. So, the output power limit is $30-(7.47-6)=28.53$, the power spectral density limit is $17-(7.47-6)=15.53$.
 - b) For UNII-3, the Directional gain= $6+1.99=7.99$. So, the output power limit is $30-(7.47-6)=28.01$, the power spectral density limit is $30-(7.47-6)=28.01$.

5. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode	4TX
TX Mode	
IEEE 802.11a	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ac(VHT20)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ac(VHT40)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ac(VHT80)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ax(HE20)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ax(HE40)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ax(HE80)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)

For Beamforming:

Operating Mode	4TX
TX Mode	
IEEE 802.11ac(VHT20)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ac(VHT40)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ac(VHT80)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ax(HE20)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ax(HE40)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)
IEEE 802.11ax(HE80)	V (Ant. 1+Ant. 2+ Ant. 3+ Ant. 4)

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 AC(VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX AC(VHT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC(VHT80) Mode / CH42 (UNII-1)
Mode 5	TX AX(HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 6	TX AX(HE40) Mode / CH38, CH46 (UNII-1)
Mode 7	TX AX(HE80) Mode / CH42 (UNII-1)
Mode 8	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX AC(VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 10	TX AC(VHT40) Mode / CH151,CH159 (UNII-3)
Mode 11	TX AC(VHT80) Mode / CH155 (UNII-3)
Mode 12	TX AX(HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 13	TX AX(HE40) Mode / CH151,CH159 (UNII-3)
Mode 14	TX AX(HE80) Mode / CH155 (UNII-3)
Mode 15	TX AC(VHT40) Mode / CH38 (UNII-1)

Following mode(s) was (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 15	TX AC(VHT40) Mode / CH38 (UNII-1)

Radiated emissions test – Below 1GHz	
Final Test Mode	Description
Mode 15	TX AC(VHT40) Mode / CH38 (UNII-1)

Radiated emissions test – Above 1GHz_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX AC(VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX AC(VHT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC(VHT80) Mode / CH42 (UNII-1)
Mode 5	TX AX(HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 6	TX AX(HE40) Mode / CH38, CH46 (UNII-1)
Mode 7	TX AX(HE80) Mode / CH42 (UNII-1)
Mode 8	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX AC(VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 10	TX AC(VHT40) Mode / CH151,CH159 (UNII-3)
Mode 11	TX AC(VHT80) Mode / CH155 (UNII-3)
Mode 12	TX AX(HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 13	TX AX(HE40) Mode / CH151,CH159 (UNII-3)
Mode 14	TX AX(HE80) Mode / CH155 (UNII-3)

Radiated emissions test – Above 1GHz_Beamforming	
Final Test Mode	Description
Mode 2	TX AC(VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX AC(VHT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC(VHT80) Mode / CH42 (UNII-1)
Mode 5	TX AX(HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 6	TX AX(HE40) Mode / CH38, CH46 (UNII-1)
Mode 7	TX AX(HE80) Mode / CH42 (UNII-1)
Mode 9	TX AC(VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 10	TX AC(VHT40) Mode / CH151,CH159 (UNII-3)
Mode 11	TX AC(VHT80) Mode / CH155 (UNII-3)
Mode 12	TX AX(HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 13	TX AX(HE40) Mode / CH151,CH159 (UNII-3)
Mode 14	TX AX(HE80) Mode / CH155 (UNII-3)

Maximum Output Power & Power Spectral Density test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX AC(VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX AC(VHT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC(VHT80) Mode / CH42 (UNII-1)
Mode 5	TX AX(HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 6	TX AX(HE40) Mode / CH38, CH46 (UNII-1)
Mode 7	TX AX(HE80) Mode / CH42 (UNII-1)
Mode 8	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX AC(VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 10	TX AC(VHT40) Mode / CH151,CH159 (UNII-3)
Mode 11	TX AC(VHT80) Mode / CH155 (UNII-3)
Mode 12	TX AX(HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 13	TX AX(HE40) Mode / CH151,CH159 (UNII-3)
Mode 14	TX AX(HE80) Mode / CH155 (UNII-3)

Maximum Output Power & Power Spectral Density test_Beamforming	
Final Test Mode	Description
Mode 2	TX AC(VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX AC(VHT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC(VHT80) Mode / CH42 (UNII-1)
Mode 5	TX AX(HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 6	TX AX(HE40) Mode / CH38, CH46 (UNII-1)
Mode 7	TX AX(HE80) Mode / CH42 (UNII-1)
Mode 9	TX AC(VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 10	TX AC(VHT40) Mode / CH151,CH159 (UNII-3)
Mode 11	TX AC(VHT80) Mode / CH155 (UNII-3)
Mode 12	TX AX(HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 13	TX AX(HE40) Mode / CH151,CH159 (UNII-3)
Mode 14	TX AX(HE80) Mode / CH155 (UNII-3)

Other Conducted test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX AC(VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX AC(VHT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC(VHT80) Mode / CH42 (UNII-1)
Mode 5	TX AX(HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 6	TX AX(HE40) Mode / CH38, CH46 (UNII-1)
Mode 7	TX AX(HE80) Mode / CH42 (UNII-1)
Mode 8	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX AC(VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 10	TX AC(VHT40) Mode / CH151,CH159 (UNII-3)
Mode 11	TX AC(VHT80) Mode / CH155 (UNII-3)
Mode 12	TX AX(HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 13	TX AX(HE40) Mode / CH151,CH159 (UNII-3)
Mode 14	TX AX(HE80) Mode / CH155 (UNII-3)

Note:

- (1) For radiated emission below 1 GHz test, the IEEE 802.11ac40 channel 38 is found to be the worst case and recorded.
- (2) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (4) VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- (5) The measurements for RF Output Power were tested, the Non Beamforming and Beamforming are recorded in the report. The worst case was Non Beamforming and only worst case were documented for other test items except radiated emissions above 1GHz and power spectral density test.
- (6) For Radiated emissions above 1GHz test, the vertical and horizontal polarities have tested, the worst case is vertical and recorded.

2.3 DUTY CYCLE

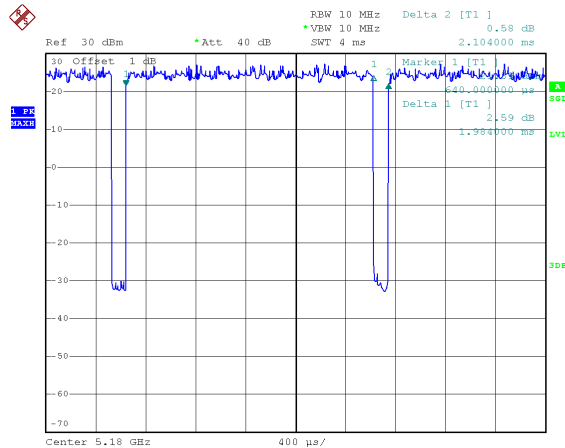
If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

The output power = measured power + duty factor.

The power spectral density = measured power spectral density + duty factor.

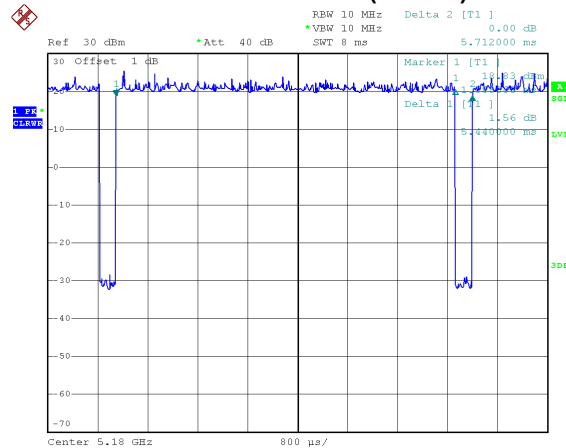
IEEE 802.11a



Date: 15.JUN.2020 20:28:25

Duty cycle = $1.984 \text{ ms} / 2.104 \text{ ms} = 94.30\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.26$

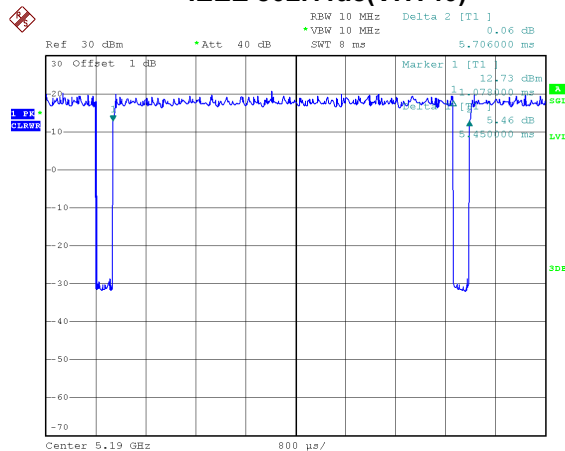
IEEE 802.11ac(VHT20)



Date: 15.JUN.2020 20:30:32

Duty cycle = $5.440 \text{ ms} / 5.712 \text{ ms} = 95.24\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.21$

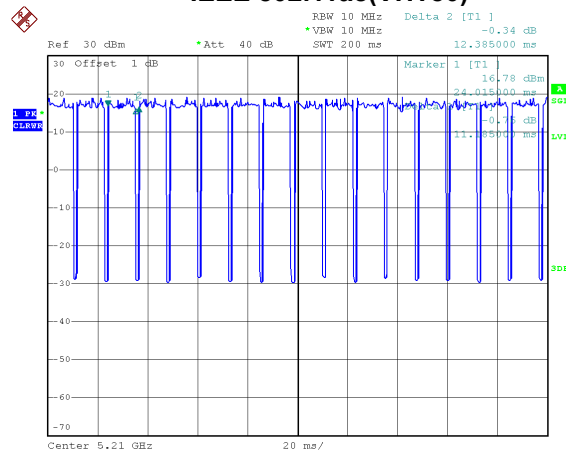
IEEE 802.11ac(VHT40)



Date: 15.JUN.2020 20:32:19

Duty cycle = $5.450 \text{ ms} / 5.706 \text{ ms} = 95.51\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.20$

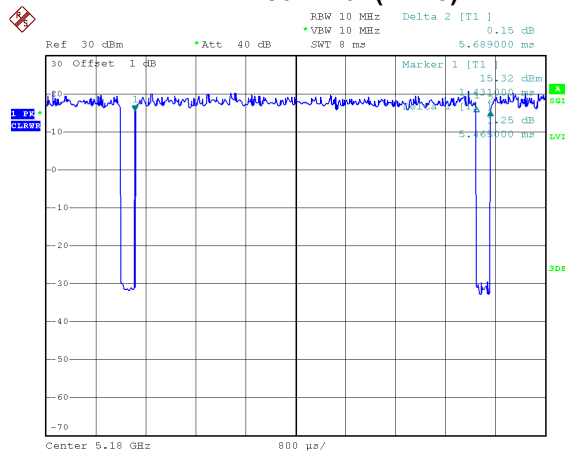
IEEE 802.11ac(VHT80)



Date: 15.JUN.2020 20:36:15

Duty cycle = $11.185 \text{ ms} / 12.385 \text{ ms} = 90.31\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.44$

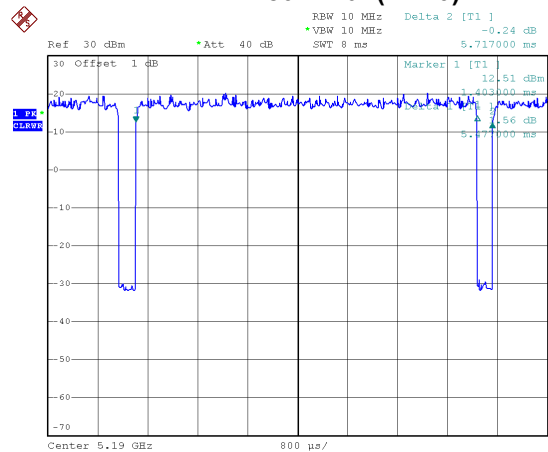
IEEE 802.11ax(HE20)



Date: 15.JUN.2020 20:37:36

Duty cycle = 5.465 ms / 5.689 ms = 96.06%
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.17$

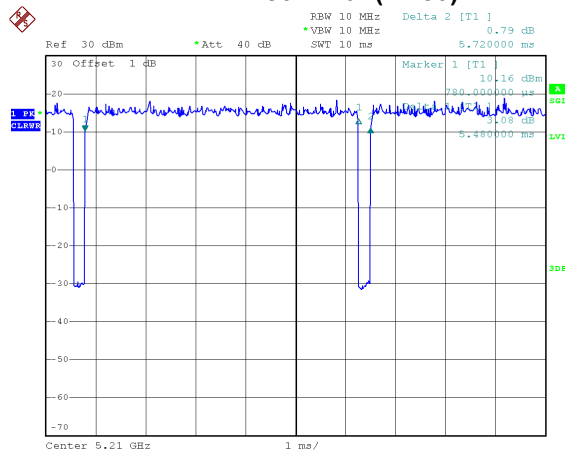
IEEE 802.11ax(HE40)



Date: 15.JUN.2020 20:39:16

Duty cycle = 5.477 ms / 5.717 ms = 95.80%
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.19$

IEEE 802.11ax(HE80)



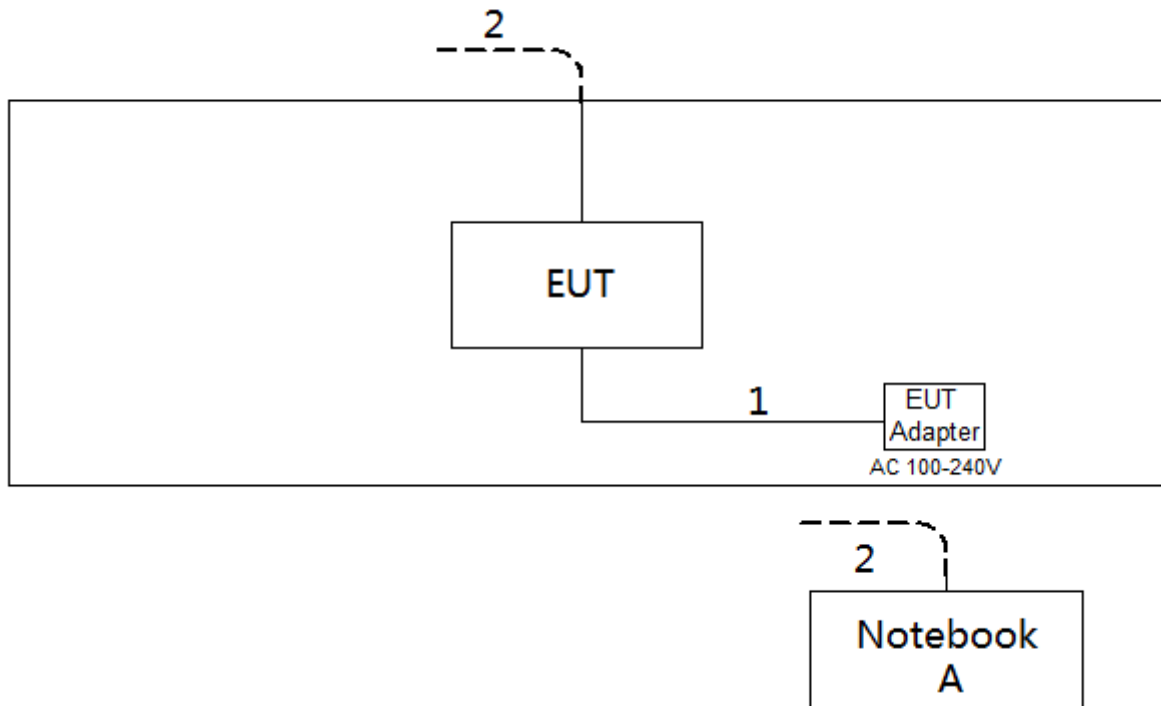
Date: 15.JUN.2020 20:40:53

Duty cycle = 5.480 ms / 5.720 ms = 95.80%
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.19$

NOTE:

For IEEE 802.11a, IEEE 802.11n (HT20), IEEE 802.11ac(VHT20) and IEEE 802.11ax(HE20):
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), IEEE 802.11ac(VHT40) and IEEE 802.11ax(HE40):
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) and IEEE 802.11ax(HE80):
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%).

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Dell	Inspiron 15-7559	N/A

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

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of “ * ” marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

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

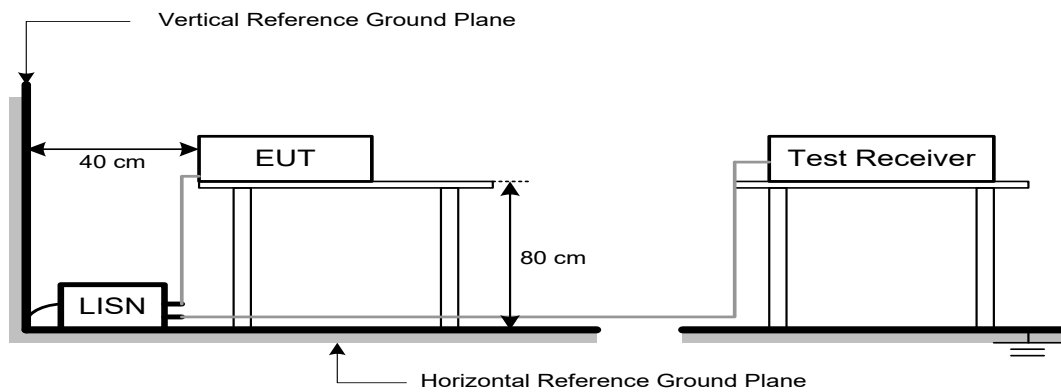
3.2 TEST PROCEDURE

- 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
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

$$\text{strength: } E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

- (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

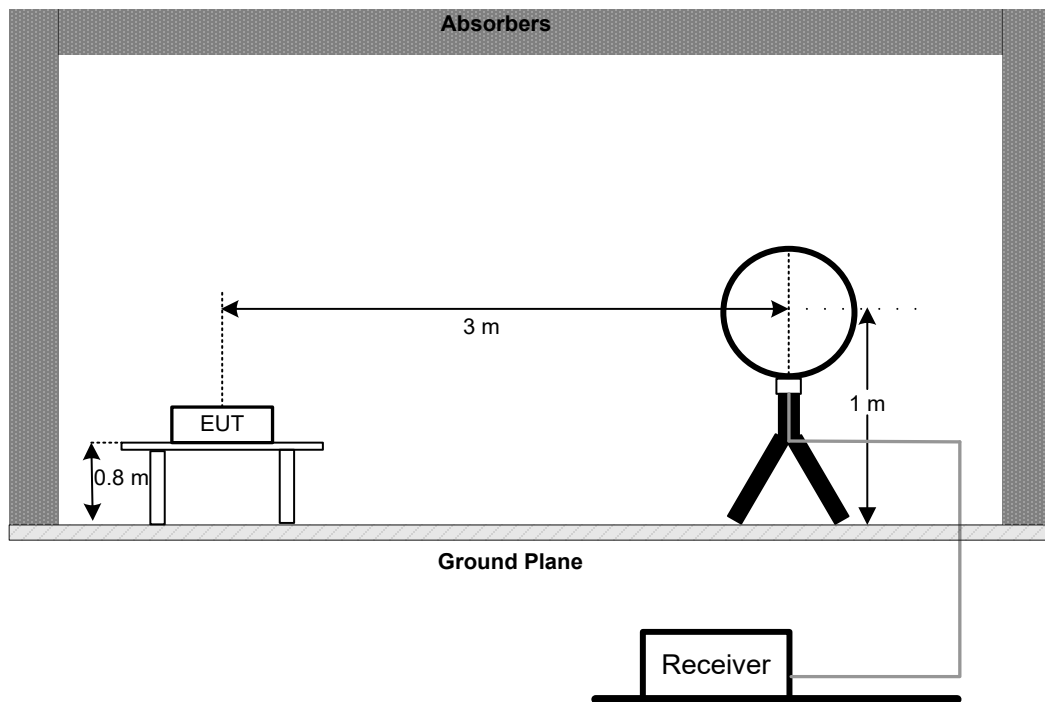
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

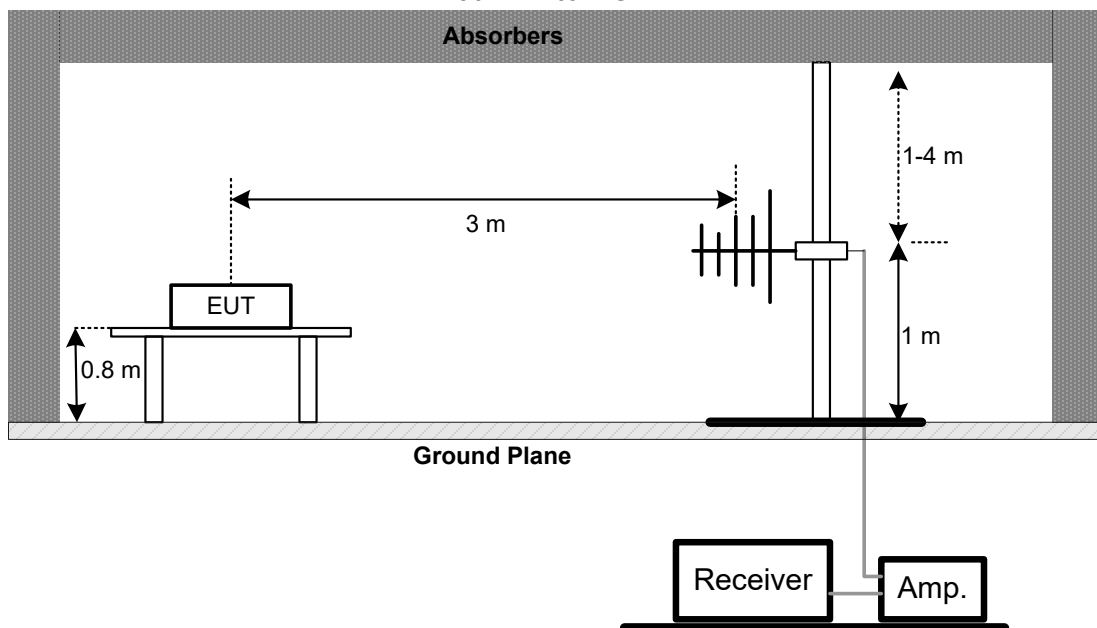
No deviation

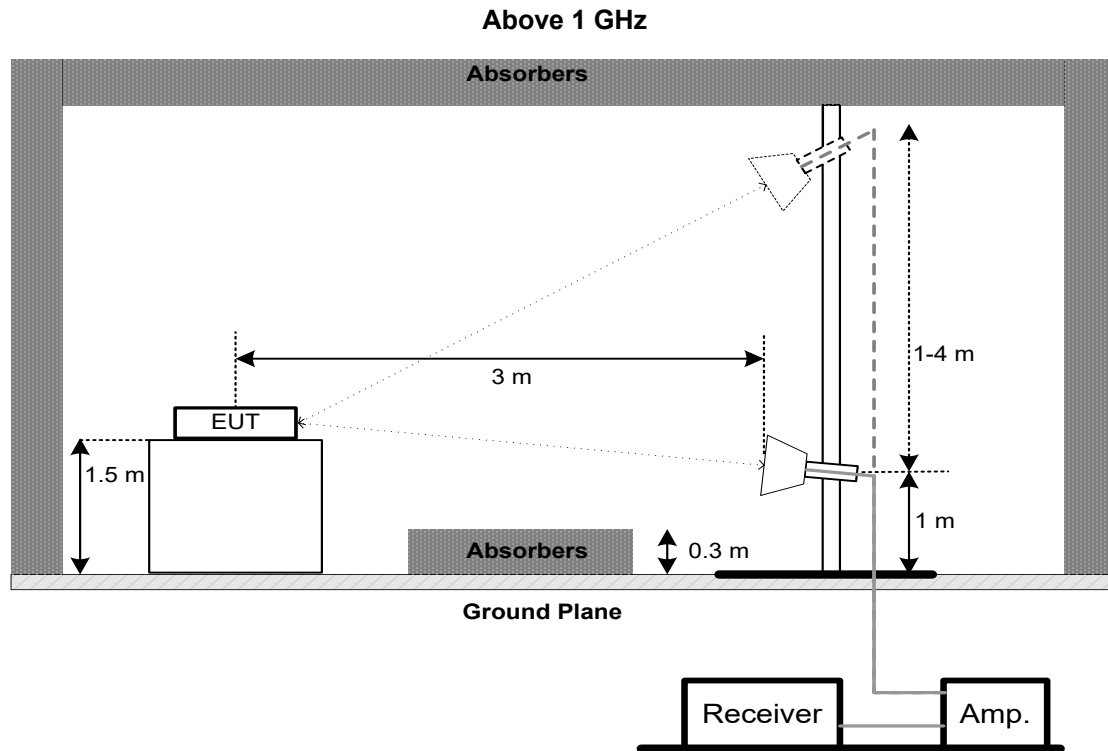
4.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz





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) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (2) 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)	26 dB Bandwidth	-	5150-5250
15.407e	6 dB Bandwidth	Minimum 500 kHz	5725-5850

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below
- Spectrum Setting:
For UNII-1:

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

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

5.3 DEVIATION FROM STANDARD

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)	Maximum Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (24 dBm)	5150-5250
		1 Watt (30dBm)	5725-5850

Note:

- 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.

6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- 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
		30 dBm/500 kHz	5725-5850

7.2 TEST PROCEDURE

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

For UNII-1:

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

For UNII-3:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	100 kHz.
VBW	300 kHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 100kHz and VBW at 300kHz if the spectrum analyzer does not have 500 kHz RBW.
- The value measured with RBW=100kHz is to be added with $10\log(500 \text{ kHz}/100\text{kHz})$ which is +7 dB. During the test, the offset has added 7 dB, For example, if the offset value is +2dB , then the converted value will be 2+7=9dB using RBW=100kHz.

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
			5725-5850

8.2 TEST PROCEDURE

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

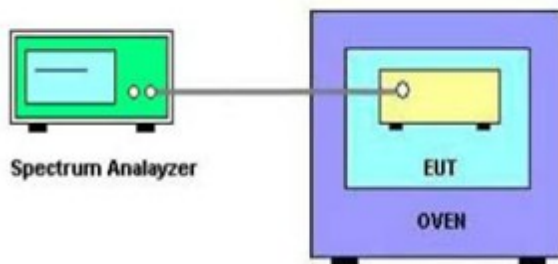
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

- The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- User manual temperature is 0°C~40°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	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2021
2	LISN	EMCO	3816/2	52765	Mar. 01, 2021
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 28, 2021
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 01, 2021
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 10, 2021
7	643 Shield Room	ETS	6*4*3m	N/A	N/A

Radiated Emissions – 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EM	EM-6876-1	230	Apr. 16, 2021
2	Cable	N/A	RG 213/U	N/A	May 29, 2021
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 28, 2021
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

Radiated Emissions – 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 09, 2021
2*	Amplifier	HP	8447D	2944A09673	Aug. 11, 2021
3	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2021
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 22, 2021
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

Radiated Emissions – Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	May 12, 2021
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jul. 07, 2021
3	Amplifier	Agilent	8449B	3008A02333	Mar. 01, 2021
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 07, 2021
5	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2021
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	N/A	EMC104-SM-SM-6 000	N/A	May 09, 2021
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Band Reject Filter	Micro-Tronics	BRC50705-01	10	Feb. 28, 2021
11	Band Reject Filter	Micro-Tronics	BRC50703-01	7	Feb. 28, 2021
12	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 25, 2021
2	RF Cable	Tongkaichuan	N/A	N/A	N/A
3	DC Block	Mini	N/A	N/A	N/A

Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 25, 2021
2	EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Mar. 01, 2021
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A	N/A	N/A

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Aug. 07, 2021
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 25, 2021
3	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 11, 2021
4	RF Cable	Tongkaichuan	N/A	N/A	N/A

Frequency Stability					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 25, 2021
2	Precision Oven Tester	CEPREI	CEEC-M64T-40	15-008	Feb. 28, 2021
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A	N/A	N/A

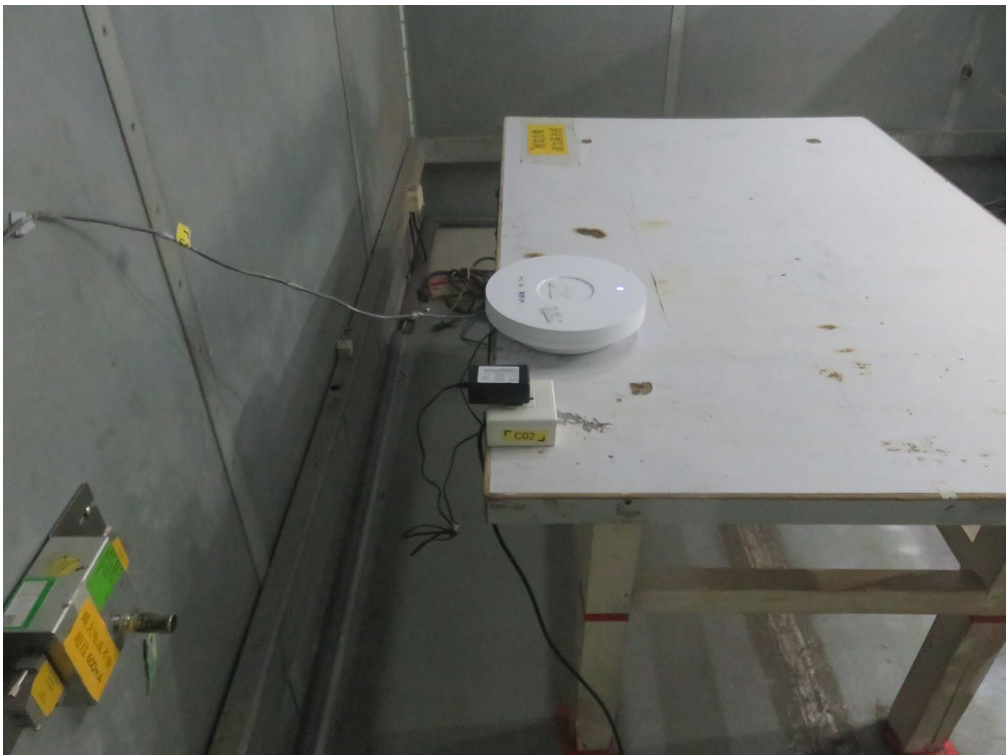
Remark: "N/A" denotes no model name, serial no. or calibration specified.

"**" calibration period of equipment list is three year.

Except * item, all calibration period of equipment list is one year.

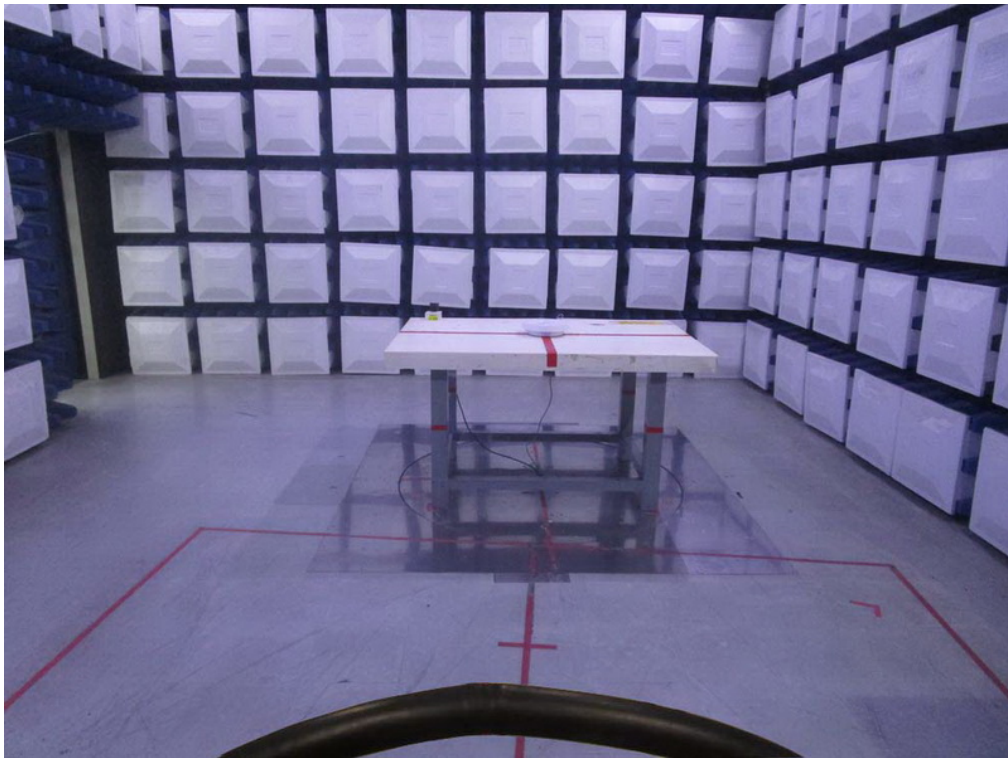
10. EUT TEST PHOTOS

AC Power Line Conducted Emissions Test Photos



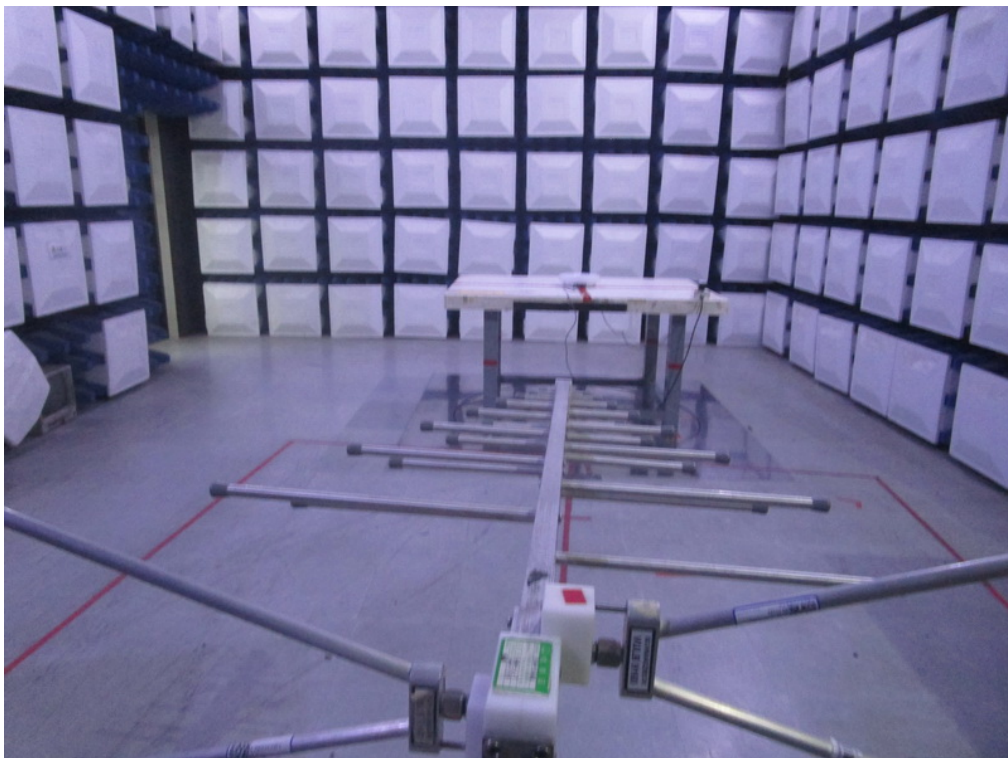
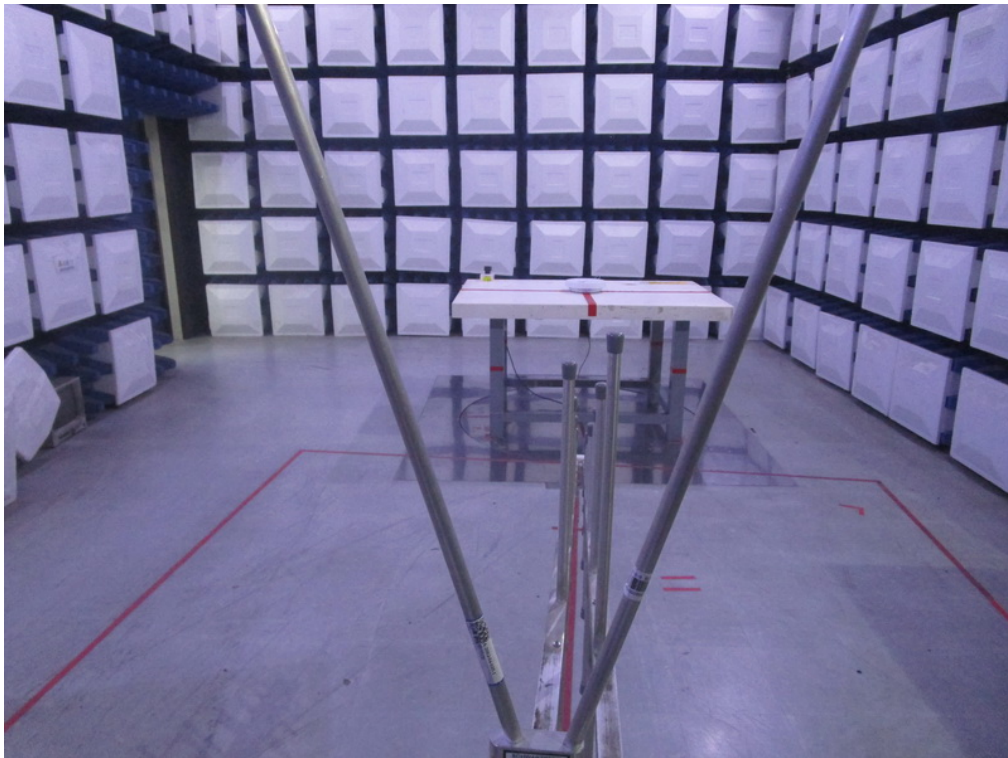
Radiated Emissions Test Photos

9 kHz to 30 MHz



Radiated Emissions Test Photos

30 MHz to 1 GHz



Radiated Emissions Test Photos

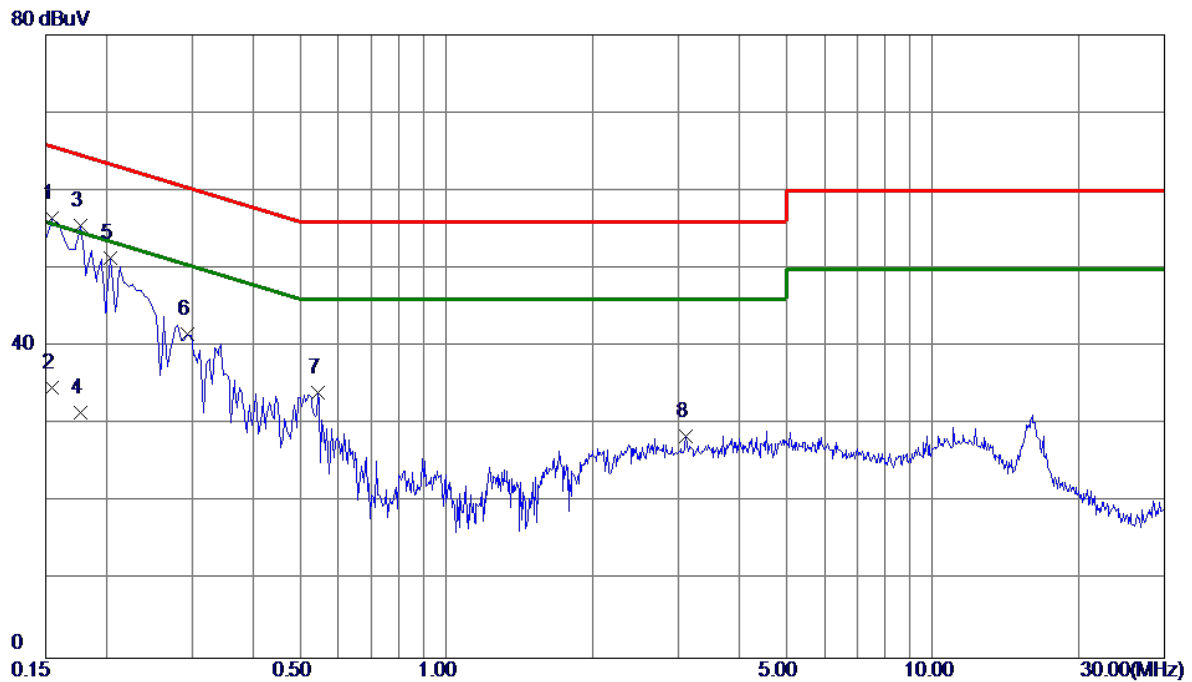
Above 1 GHz



APPENDIX A – AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX AC40 MODE CHANNEL 38

Line



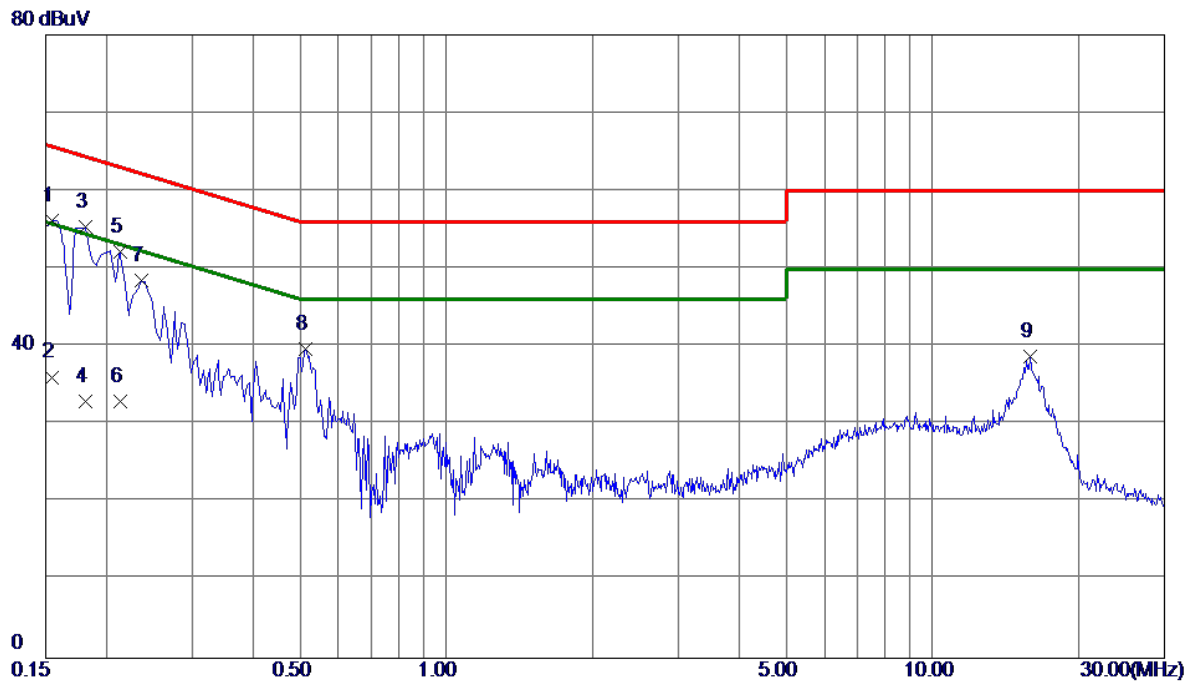
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1545	46.72	9.70	56.42	65.75	-9.33	Peak	
2	0.1545	25.00	9.70	34.70	55.75	-21.05	AVG	
3 *	0.1770	45.64	9.84	55.48	64.63	-9.15	Peak	
4	0.1770	21.70	9.84	31.54	54.63	-23.09	AVG	
5	0.2040	41.41	9.91	51.32	63.45	-12.13	Peak	
6	0.2940	31.64	9.89	41.53	60.41	-18.88	Peak	
7	0.5460	24.08	9.95	34.03	56.00	-21.97	Peak	
8	3.1155	18.34	10.19	28.53	56.00	-27.47	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value – Limit Value.
- (3) The test result has included the cable loss.

Test Mode: TX AC40 MODE CHANNEL 38

Neutral



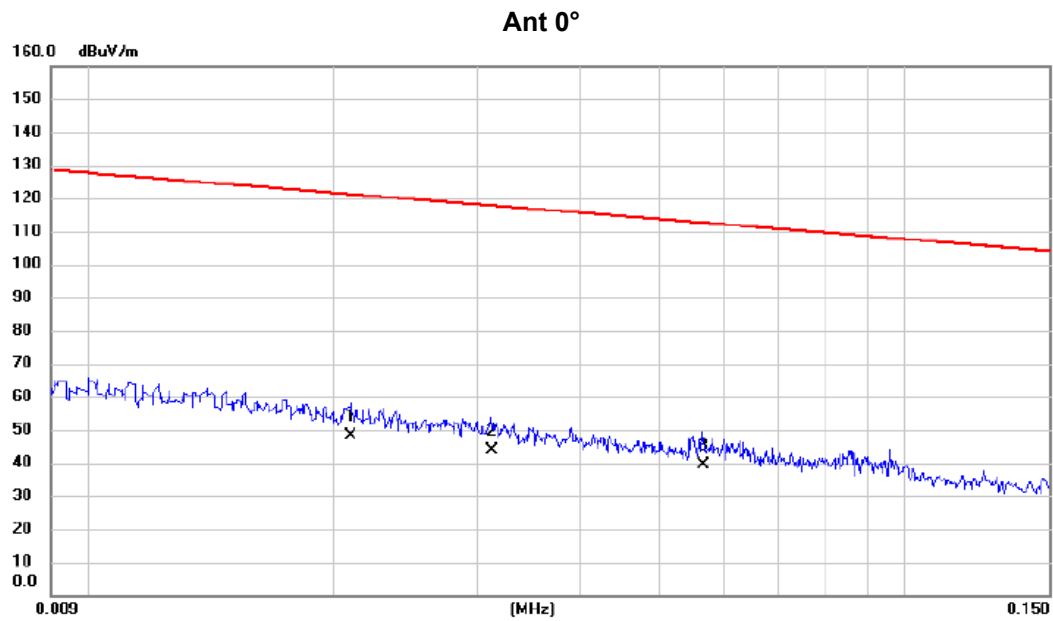
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1548	46.35	9.78	56.13	65.74	-9.61	Peak	
2	0.1548	26.30	9.78	36.08	55.74	-19.66	AVG	
3 *	0.1815	45.35	9.94	55.29	64.42	-9.13	Peak	
4	0.1815	23.00	9.94	32.94	54.42	-21.48	AVG	
5	0.2130	42.13	10.00	52.13	63.09	-10.96	Peak	
6	0.2130	23.00	10.00	33.00	53.09	-20.09	AVG	
7	0.2355	38.51	9.99	48.50	62.25	-13.75	Peak	
8	0.5144	29.49	10.15	39.64	56.00	-16.36	Peak	
9	15.8550	27.66	11.12	38.78	60.00	-21.22	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value – Limit Value.
- (3) The test result has included the cable loss.

APPENDIX B – RADIATED EMISSION – 9 KHZ TO 30 MHZ

Test Mode: TX AC40 MODE CHANNEL 38



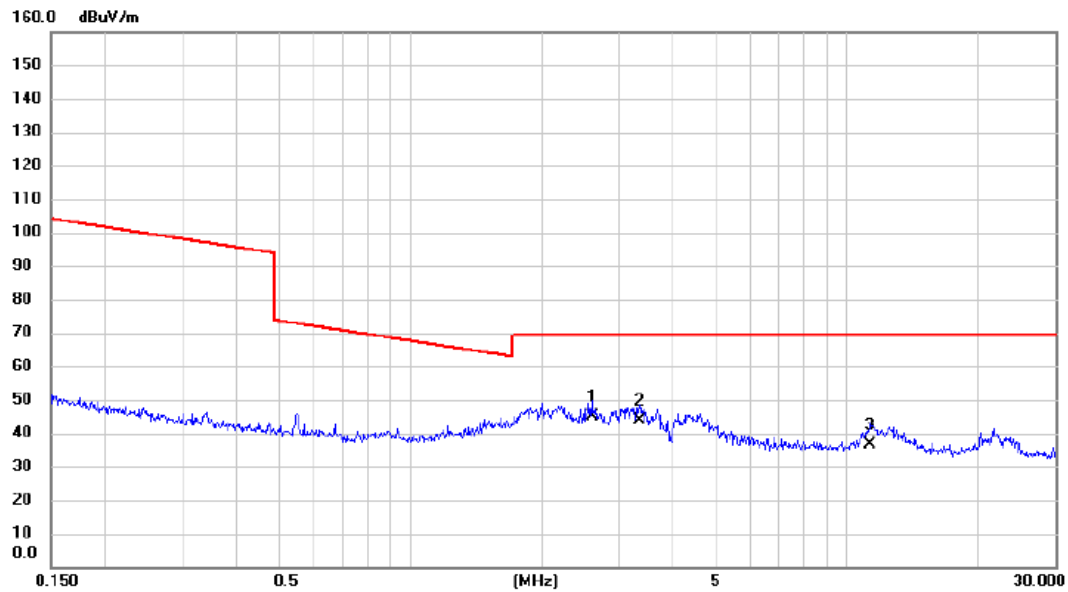
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	0.0210	35.23	13.10	48.33	121.16	-72.83	AVG		
2		0.0312	30.86	12.83	43.69	117.72	-74.03	AVG		
3		0.0567	26.95	12.38	39.33	112.53	-73.20	AVG		

REMARKS:

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

Test Mode: TX AC40 MODE CHANNEL 38

Ant 0°



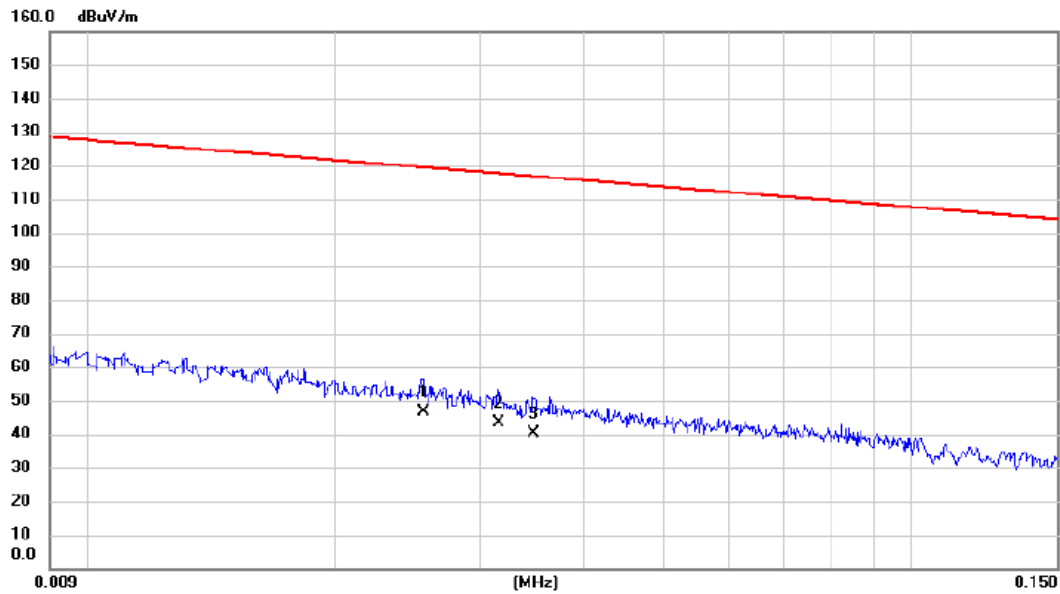
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	2.6082	34.32	10.75	45.07	69.54	-24.47	QP		
2		3.3458	33.16	10.55	43.71	69.54	-25.83	QP		
3		11.3170	25.51	11.08	36.59	69.54	-32.95	QP		

REMARKS:

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

Test Mode: TX AC40 MODE CHANNEL 38

Ant 90°



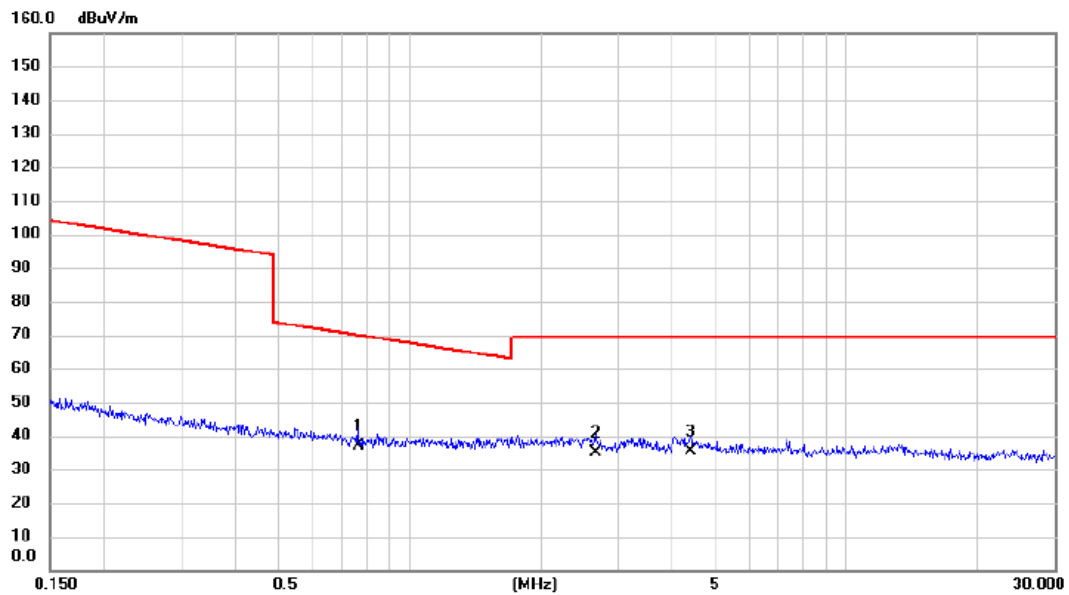
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	0.0256	33.52	12.98	46.50	119.44	-72.94	AVG		
2		0.0316	30.62	12.82	43.44	117.61	-74.17	AVG		
3		0.0348	27.36	12.75	40.11	116.77	-76.66	AVG		

REMARKS:

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

Test Mode: TX AC40 MODE CHANNEL 38

Ant 90°



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	0.7630	25.32	11.71	37.03	69.95	-32.92	QP		
2		2.6641	24.32	10.71	35.03	69.54	-34.51	QP		
3		4.4071	24.92	10.64	35.56	69.54	-33.98	QP		

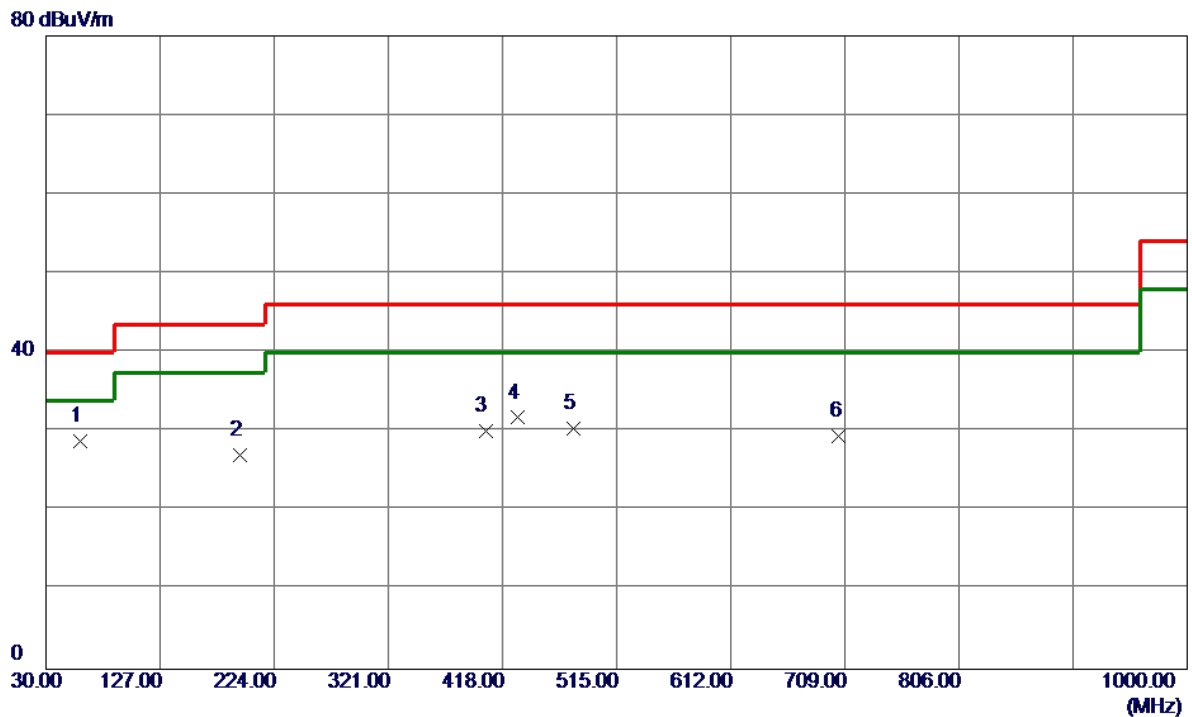
REMARKS:

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

APPENDIX C – RADIATED EMISSION – 30 MHZ TO 1 GHZ

Test Mode: TX AC40 MODE CHANNEL 38

Vertical



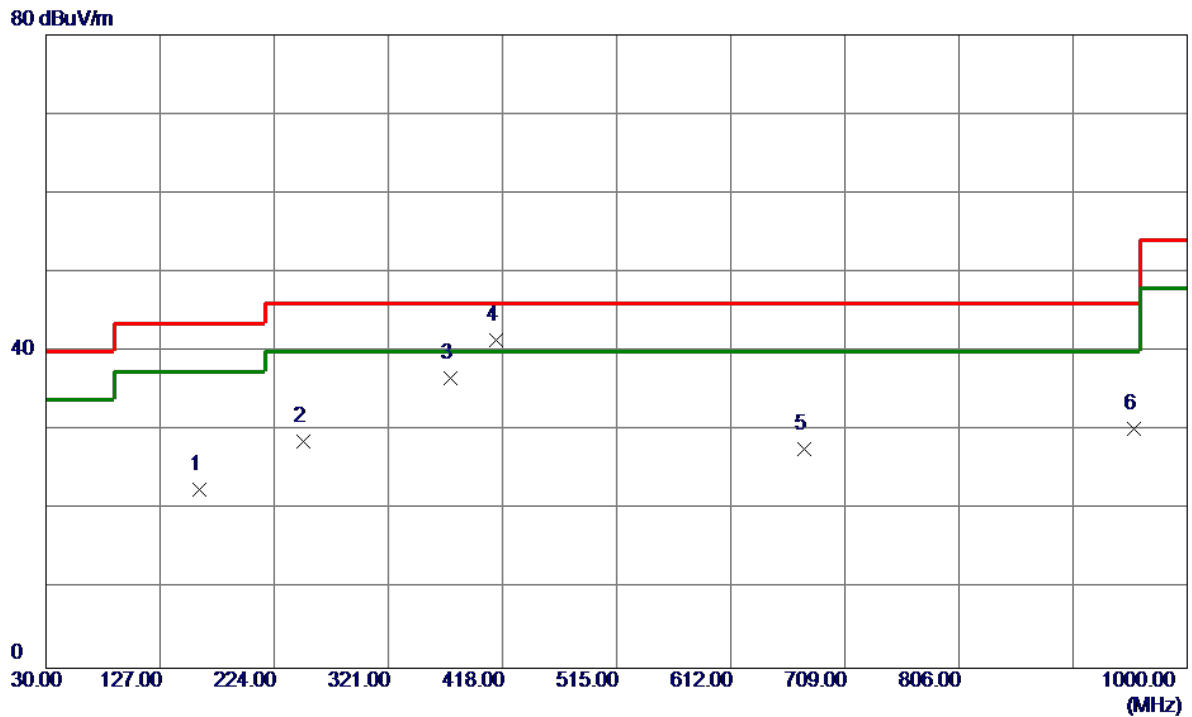
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	59.1000	43.24	-14.44	28.80	40.00	-11.20	Peak	
2	194.9000	41.46	-14.44	27.02	43.50	-16.48	Peak	
3	403.4500	38.96	-8.91	30.05	46.00	-15.95	Peak	
4	430.6100	39.93	-8.17	31.76	46.00	-14.24	Peak	
5	478.1400	37.88	-7.43	30.45	46.00	-15.55	Peak	
6	704.1500	33.02	-3.55	29.47	46.00	-16.53	Peak	

REMARKS:

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

Test Mode: TX AC40 MODE CHANNEL 38

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	159.9800	33.23	-10.67	22.56	43.50	-20.94	Peak	
2	249.2200	41.89	-13.32	28.57	46.00	-17.43	Peak	
3	373.3800	46.25	-9.64	36.61	46.00	-9.39	Peak	
4 *	412.1800	50.09	-8.67	41.42	46.00	-4.58	Peak	
5	674.0800	31.69	-3.94	27.75	46.00	-18.25	Peak	
6	954.4100	30.07	0.22	30.29	46.00	-15.71	Peak	

REMARKS:

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

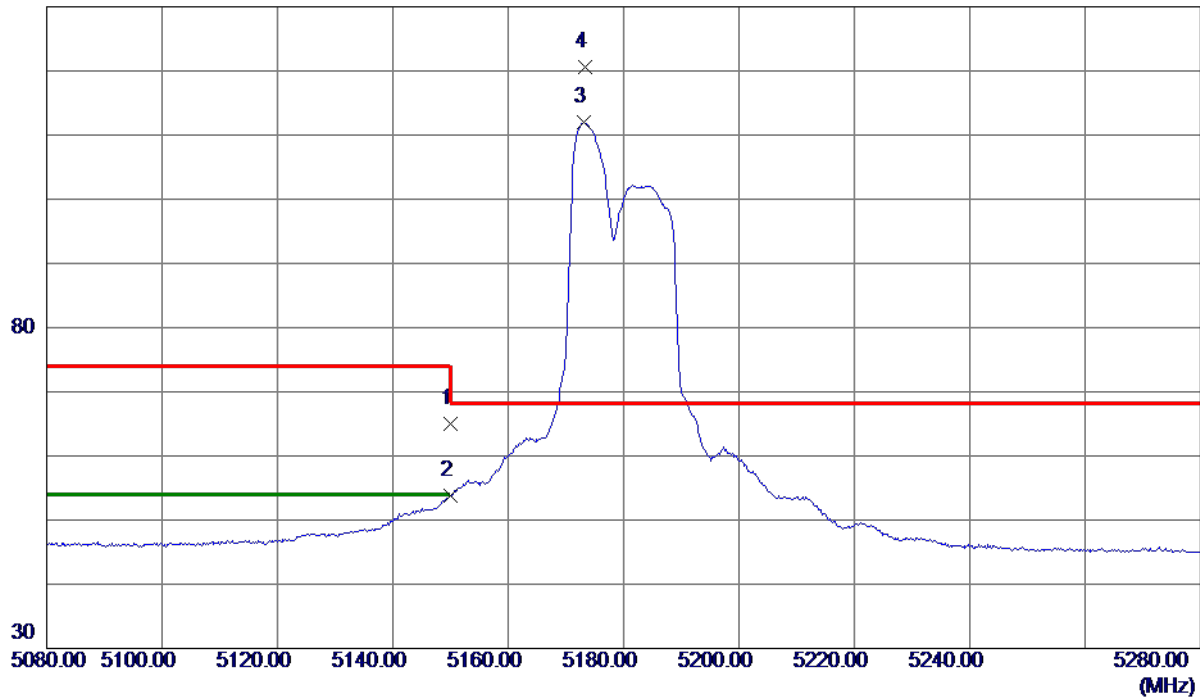
APPENDIX D – RADIATED EMISSION – ABOVE 1000 MHZ

Non Beamforming

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	47.73	17.26	64.99	74.00	-9.01	Peak	
2	5150.0000	36.53	17.26	53.79	54.00	-0.21	AVG	
3	5173.2000	94.62	17.30	111.92	999.00	-887.08	AVG	No Limit
4 *	5173.4000	103.37	17.31	120.68	68.30	52.38	Peak	No Limit

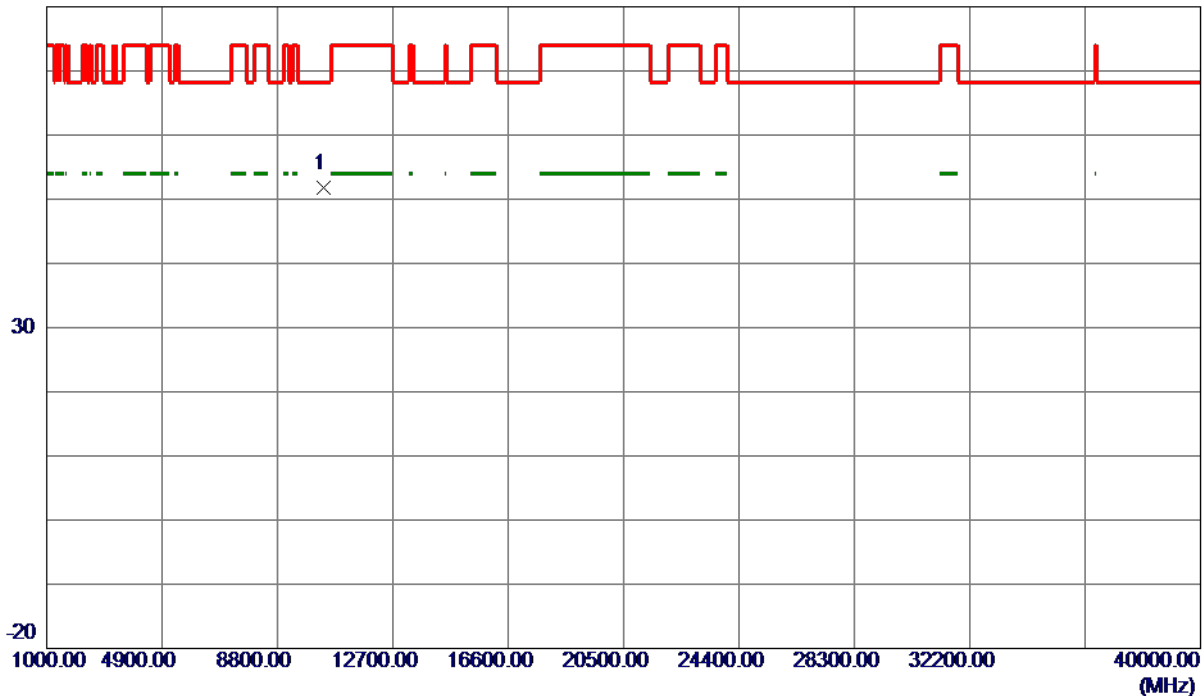
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10359.8500	37.08	14.62	51.70	68.30	-16.60	Peak	

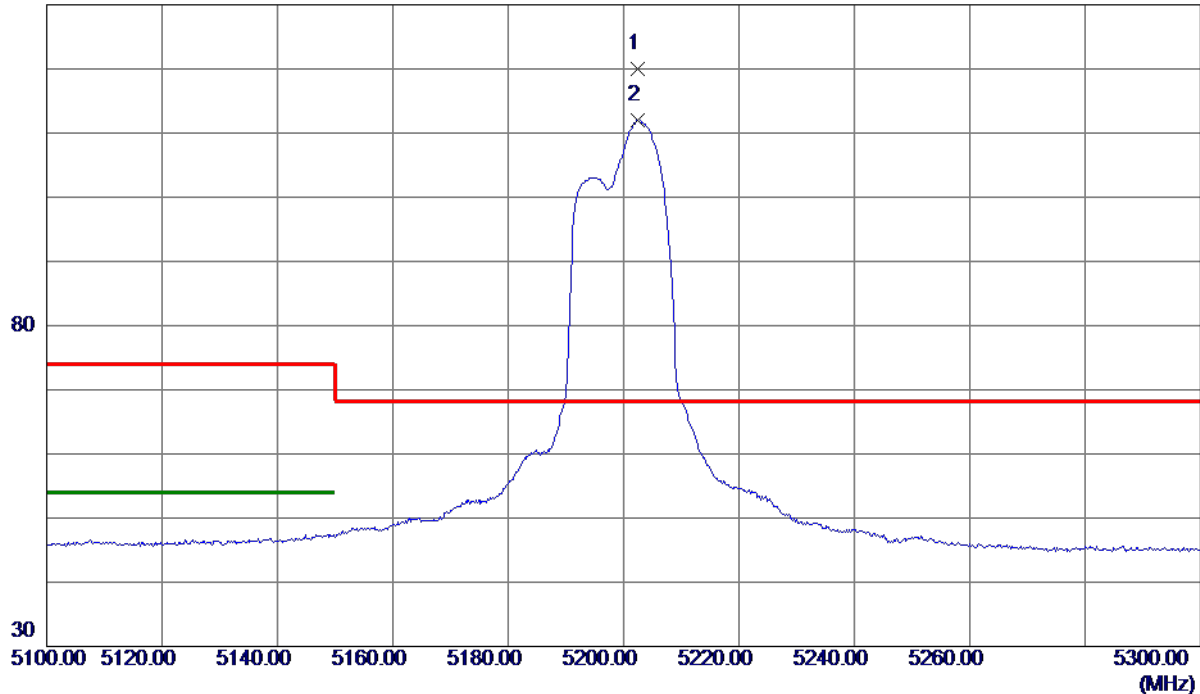
REMARKS:

- (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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5202.4000	102.56	17.36	119.92	68.30	51.62	Peak	No Limit
2	5202.4000	94.60	17.36	111.96	999.00	-887.04	AVG	No Limit

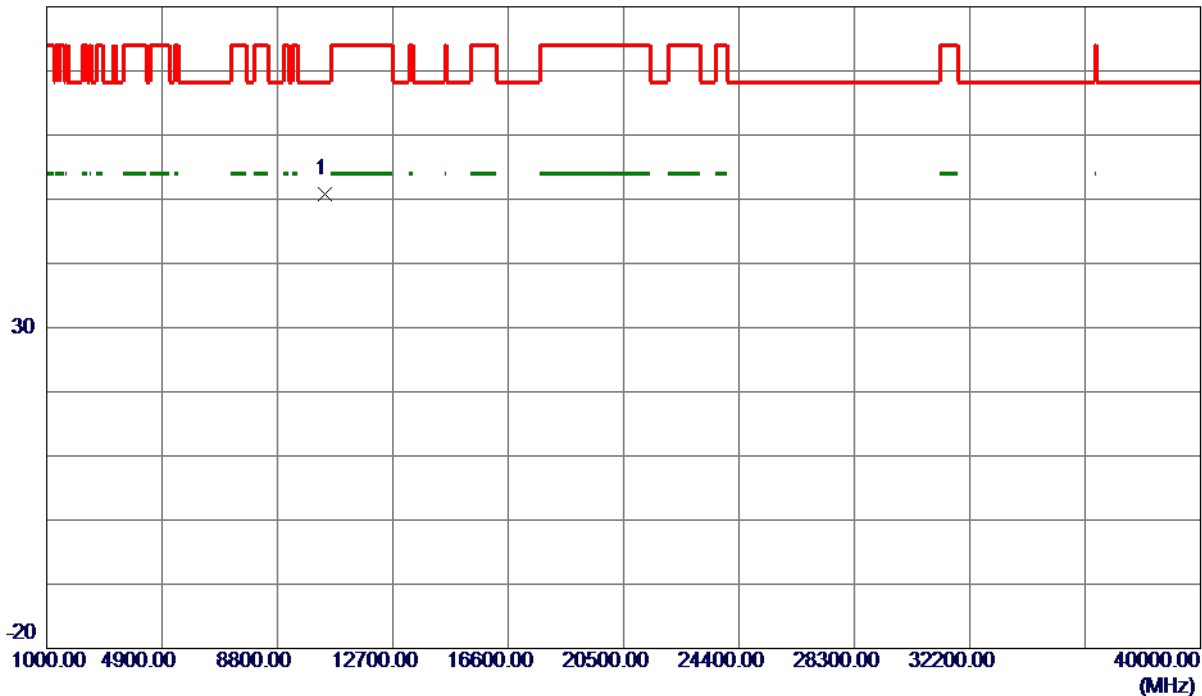
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10399.9000	36.12	14.69	50.81	68.30	-17.49	Peak	

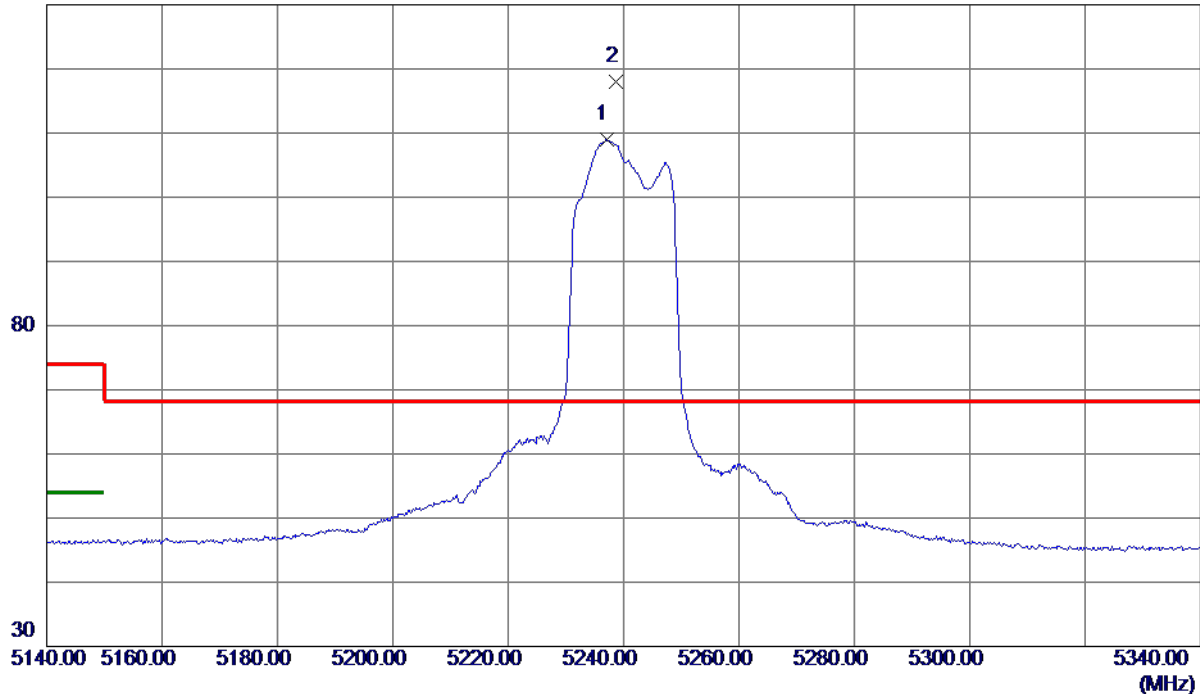
REMARKS:

- (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

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5237.0000	91.48	17.43	108.91	999.00	-890.09	AVG	No Limit
2 *	5238.6000	100.51	17.43	117.94	68.30	49.64	Peak	No Limit

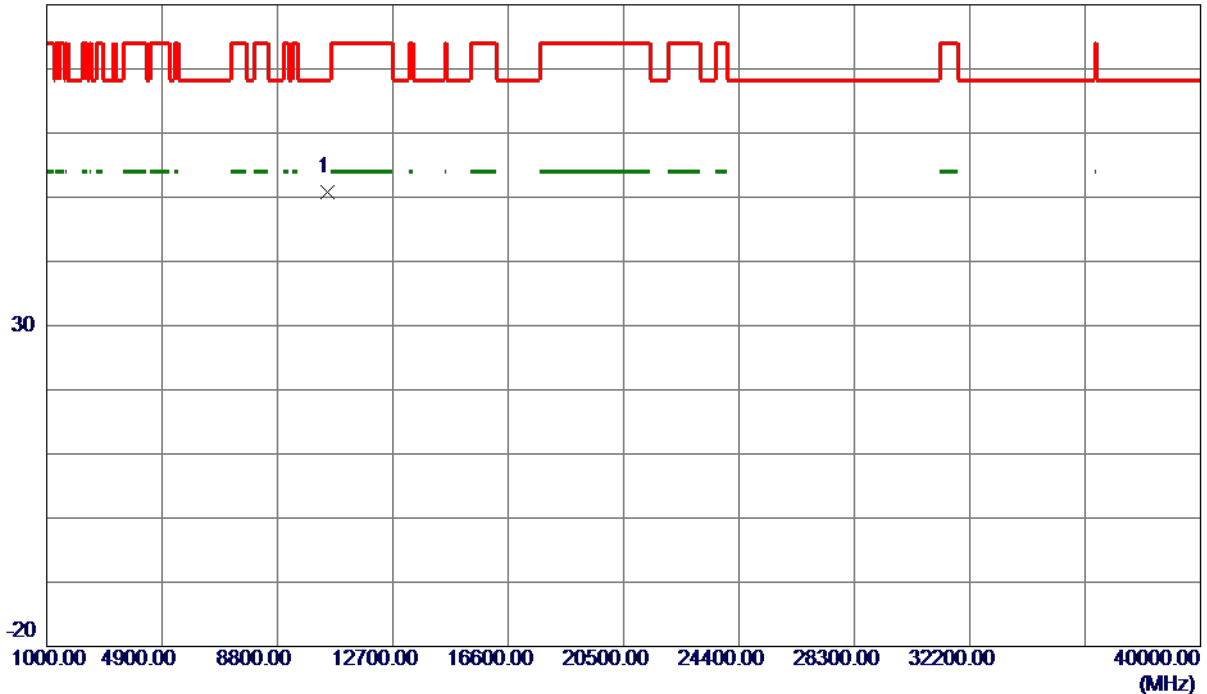
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10479.8099	36.03	14.83	50.86	68.30	-17.44	Peak	

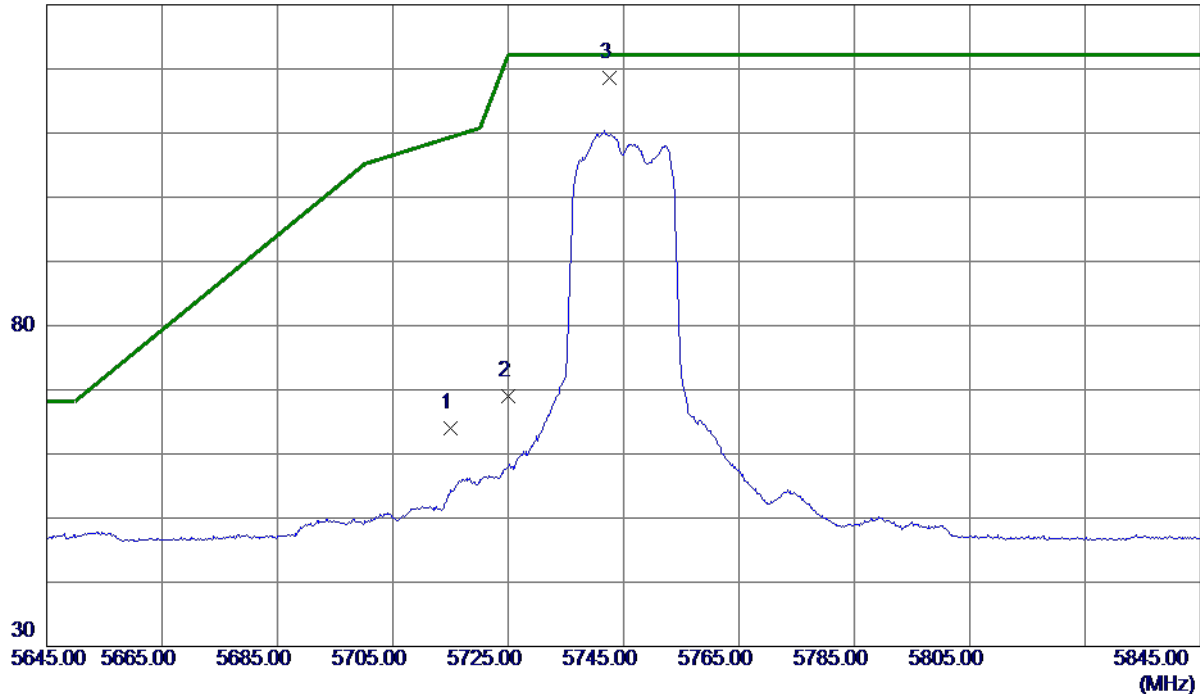
REMARKS:

- (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

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	45.29	18.65	63.94	109.40	-45.46	Peak	
2	5725.0000	50.33	18.69	69.02	122.20	-53.18	Peak	
3 *	5742.6000	99.80	18.74	118.54	122.20	-3.66	Peak	No Limit

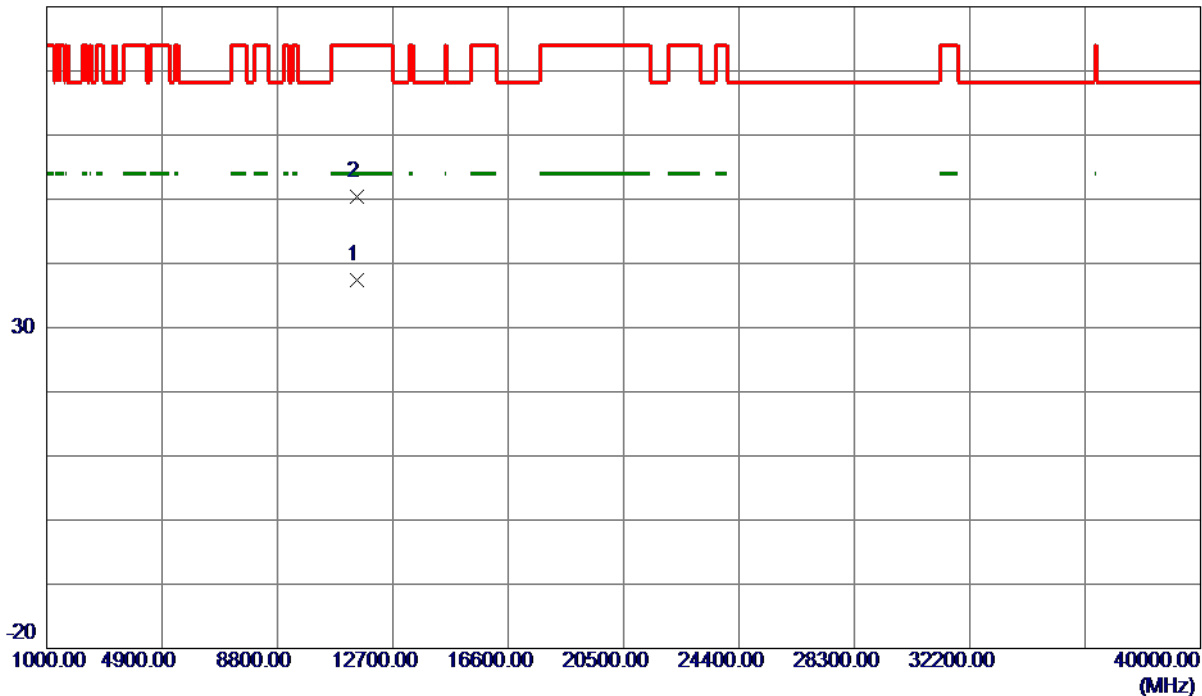
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11490.0000	20.27	17.16	37.43	54.00	-16.57	AVG	
2	11490.9050	33.23	17.16	50.39	74.00	-23.61	Peak	

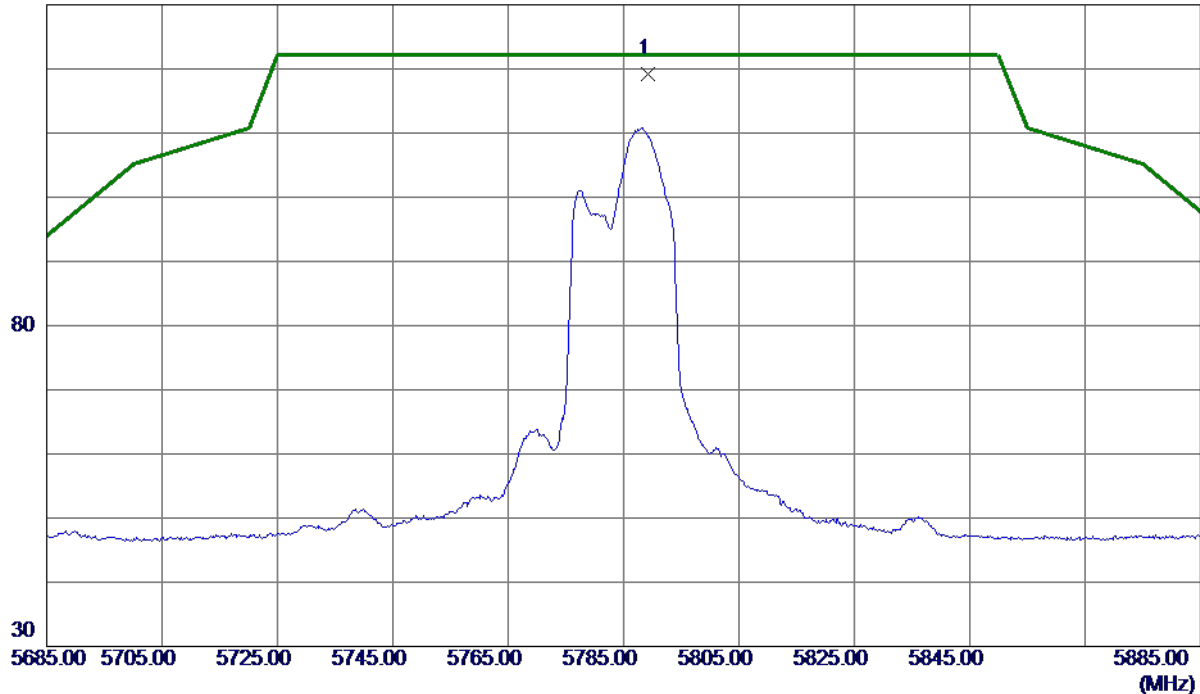
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5785 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5789.2000	100.37	18.89	119.26	122.20	-2.94	Peak	No Limit

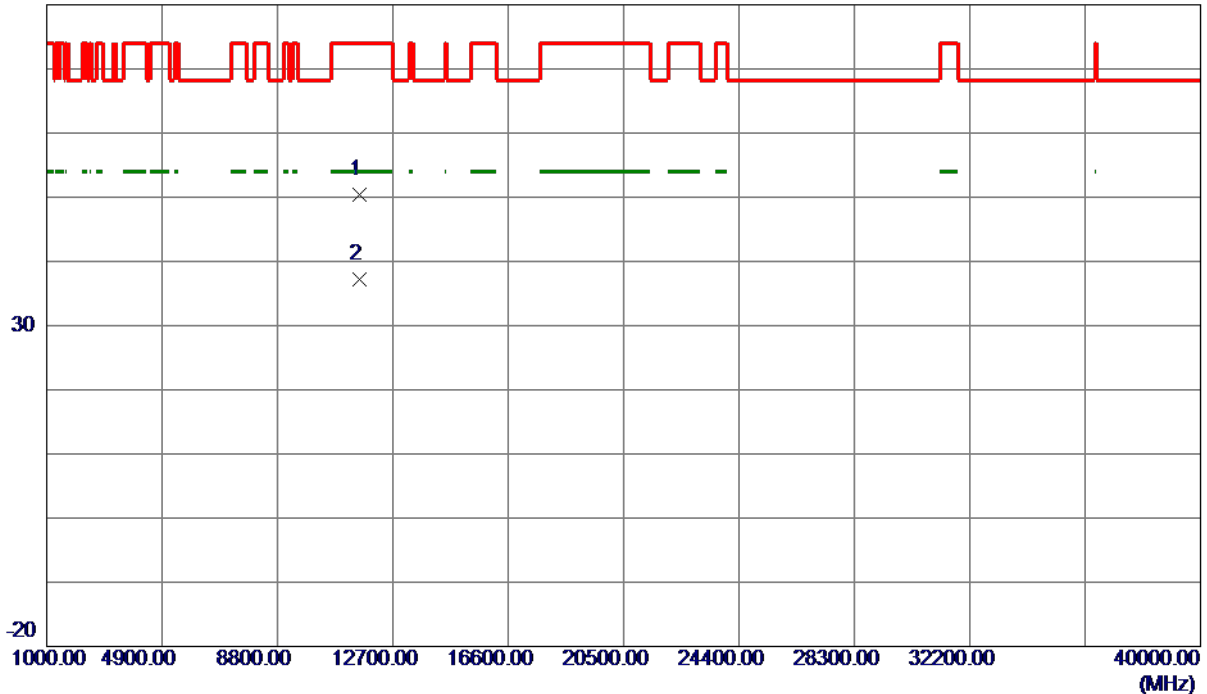
REMARKS:

- (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

80 dBuV/m



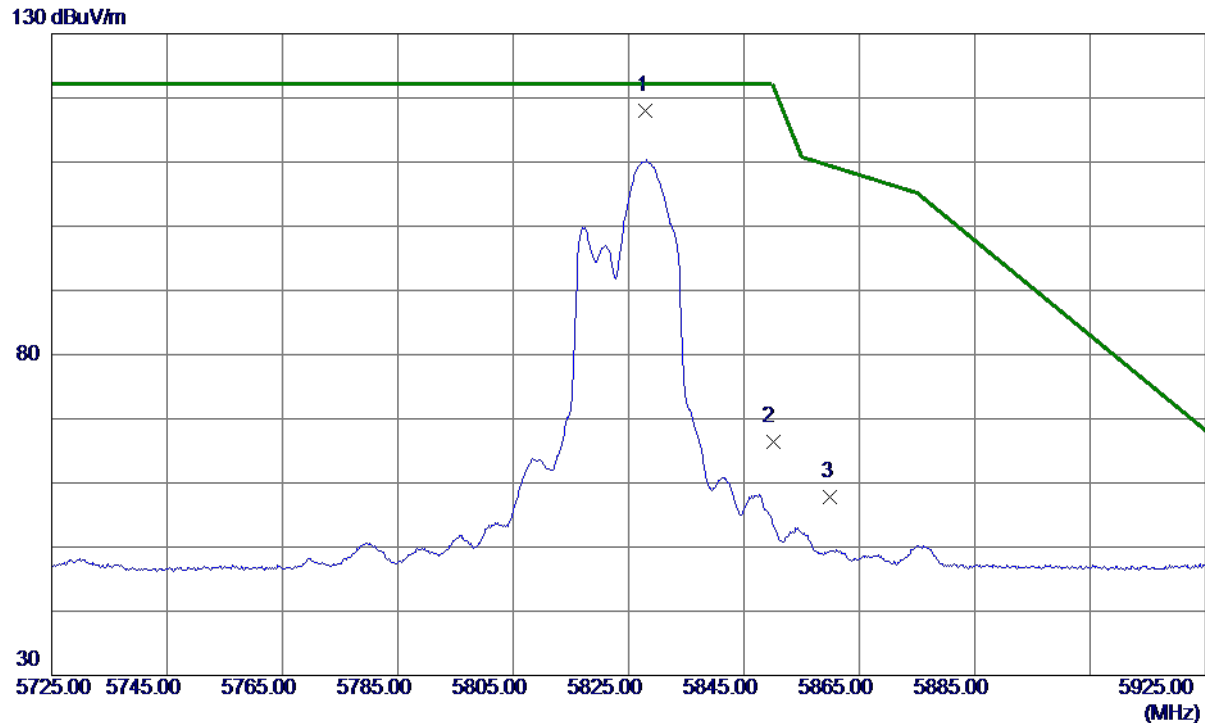
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11569.8550	33.27	17.20	50.47	74.00	-23.53	Peak	
2 *	11570.1600	20.02	17.20	37.22	54.00	-16.78	AVG	

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 5825 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5828.0000	99.01	19.02	118.03	122.20	-4.17	Peak	No Limit
2	5850.0000	47.25	19.09	66.34	122.20	-55.86	Peak	
3	5860.0000	38.65	19.13	57.78	109.40	-51.62	Peak	

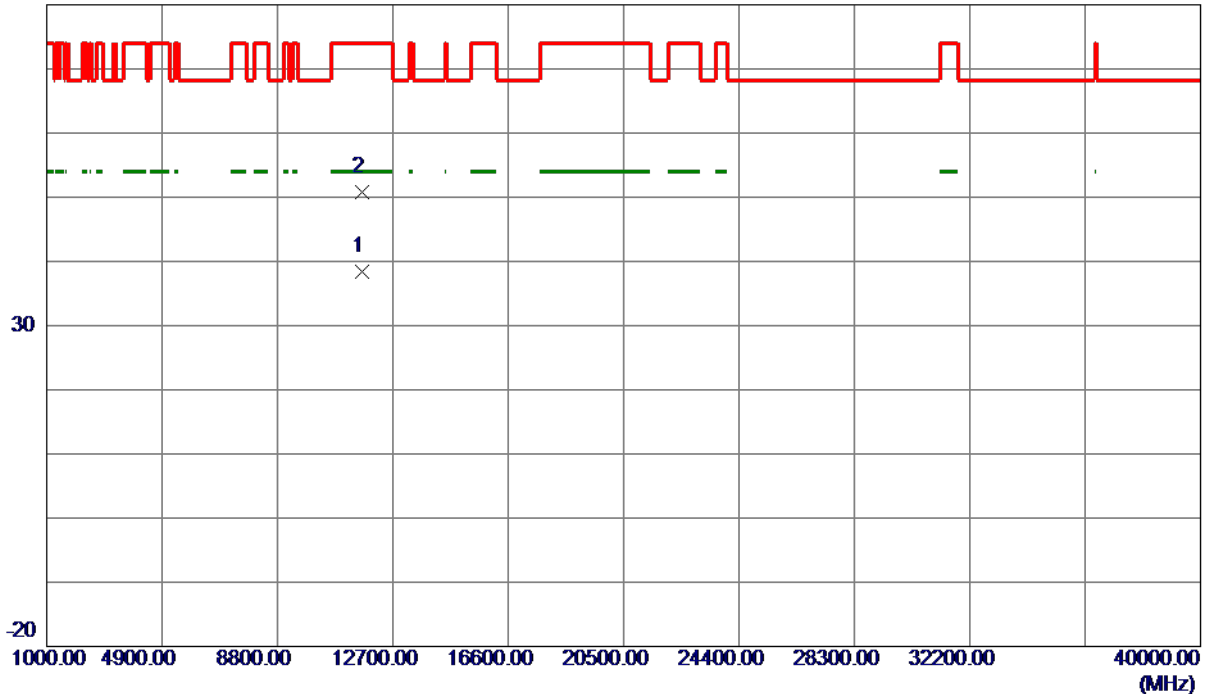
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5825 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11649.9550	21.25	17.23	38.48	54.00	-15.52	AVG	
2	11652.2950	33.52	17.23	50.75	74.00	-23.25	Peak	

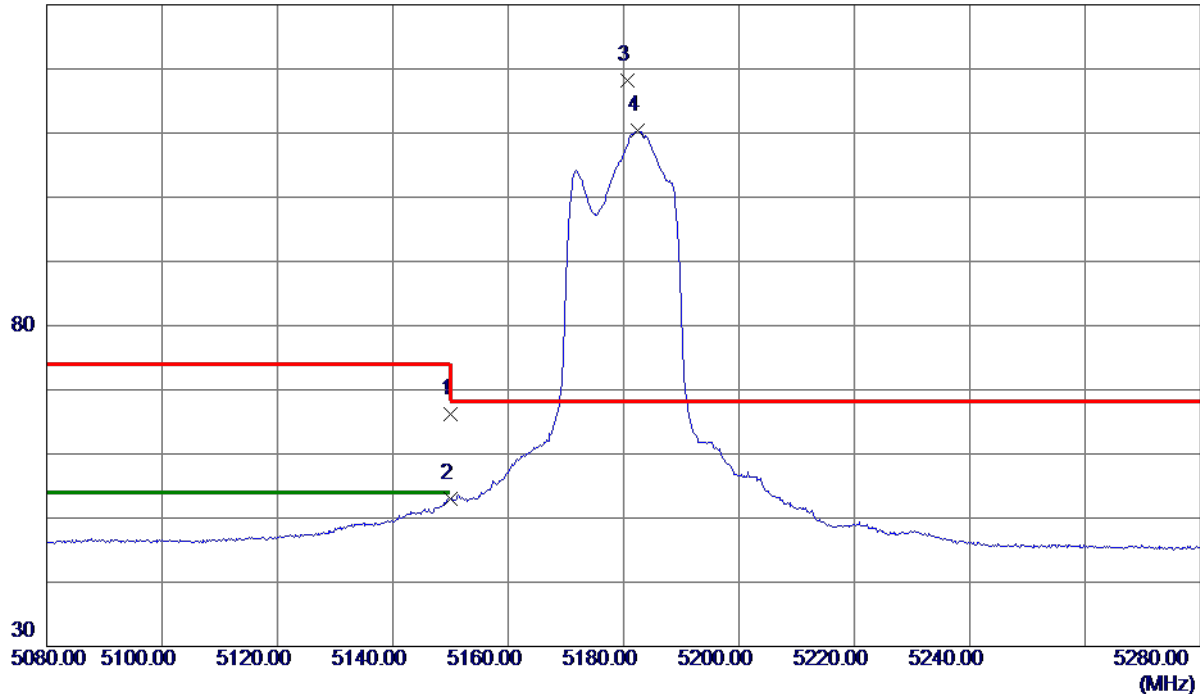
REMARKS:

- (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

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	48.93	17.26	66.19	74.00	-7.81	Peak	
2	5150.0000	35.68	17.26	52.94	54.00	-1.06	AVG	
3 *	5180.6000	100.81	17.32	118.13	68.30	49.83	Peak	No Limit
4	5182.4000	93.11	17.32	110.43	999.00	-888.57	AVG	No Limit

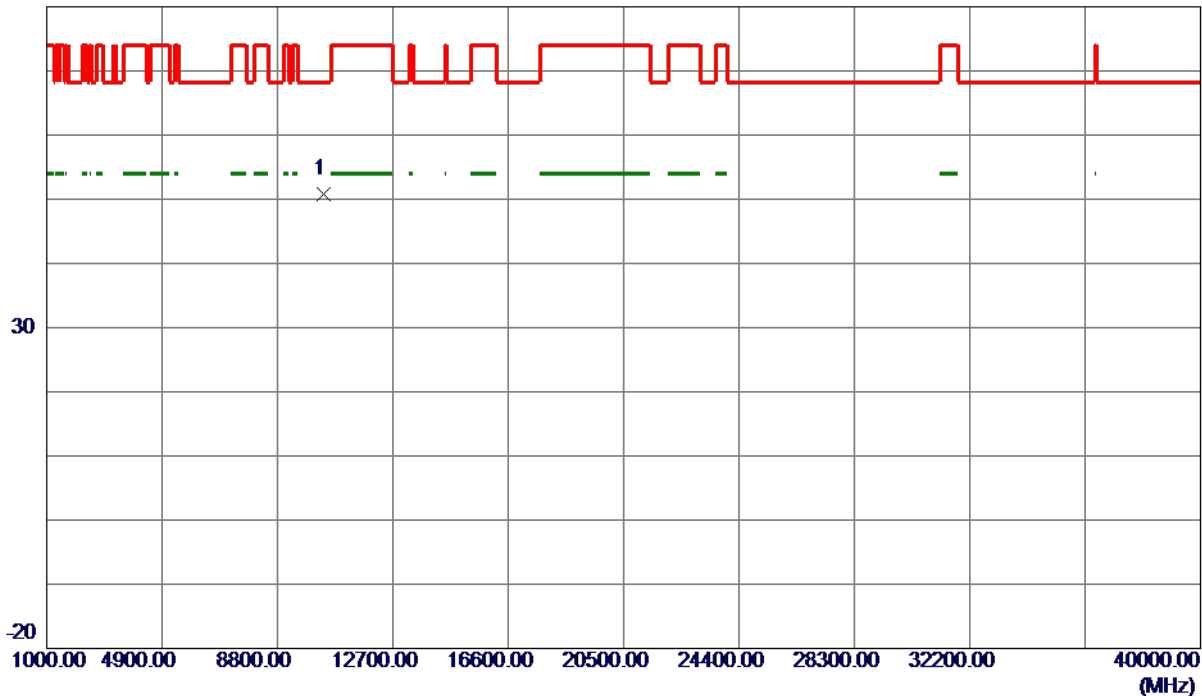
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10359.7750	36.16	14.62	50.78	68.30	-17.52	Peak	

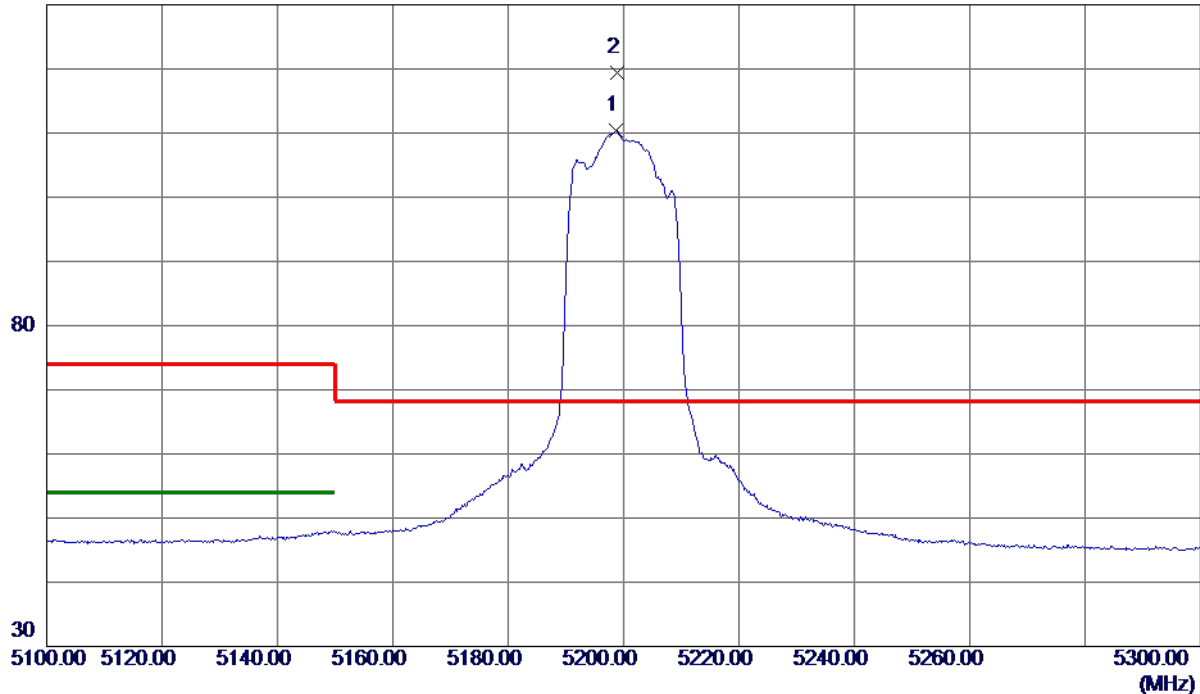
REMARKS:

- (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 5200 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5198.6000	93.03	17.36	110.39	999.00	-888.61	AVG	No Limit
2 *	5198.8000	102.08	17.36	119.44	68.30	51.14	Peak	No Limit

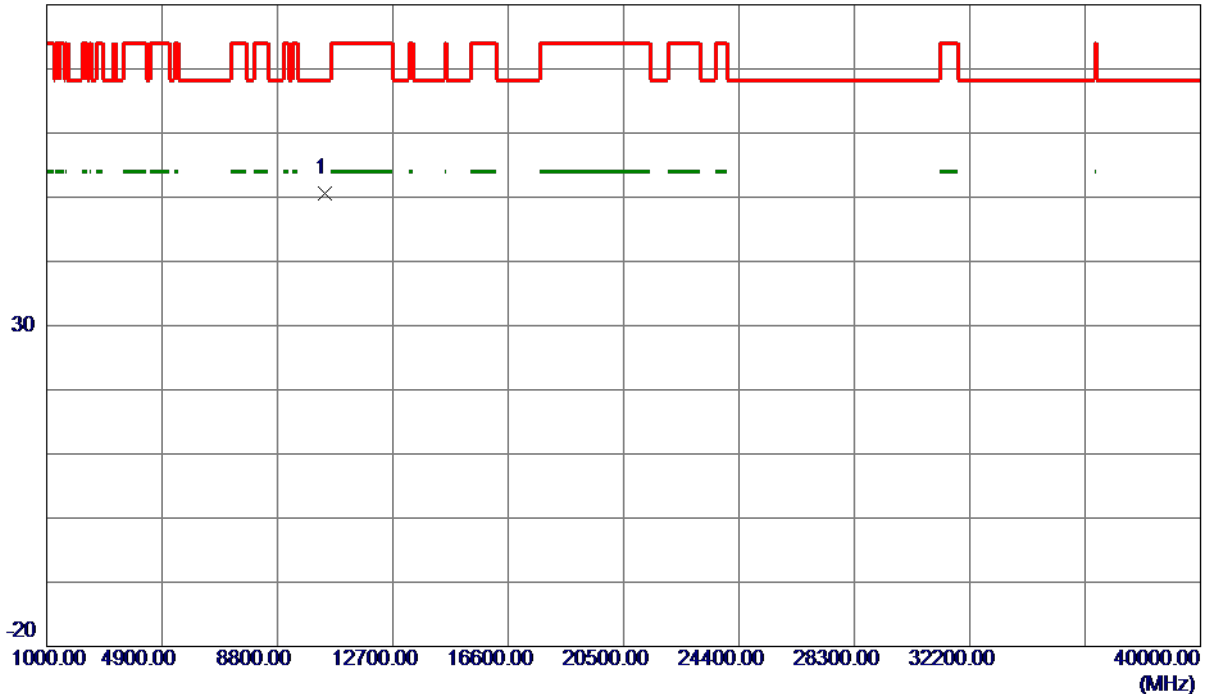
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.1350	35.87	14.69	50.56	68.30	-17.74	Peak	

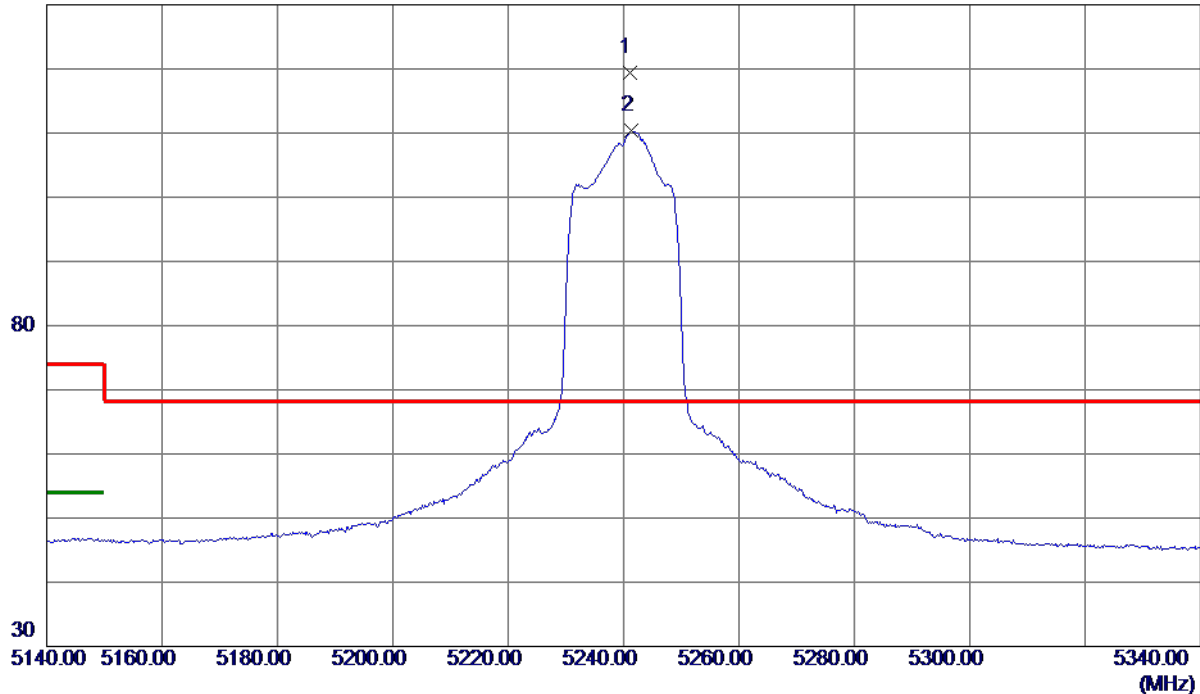
REMARKS:

- (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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5241.0000	102.00	17.44	119.44	68.30	51.14	Peak	No Limit
2	5241.4000	92.87	17.44	110.31	999.00	-888.69	AVG	No Limit

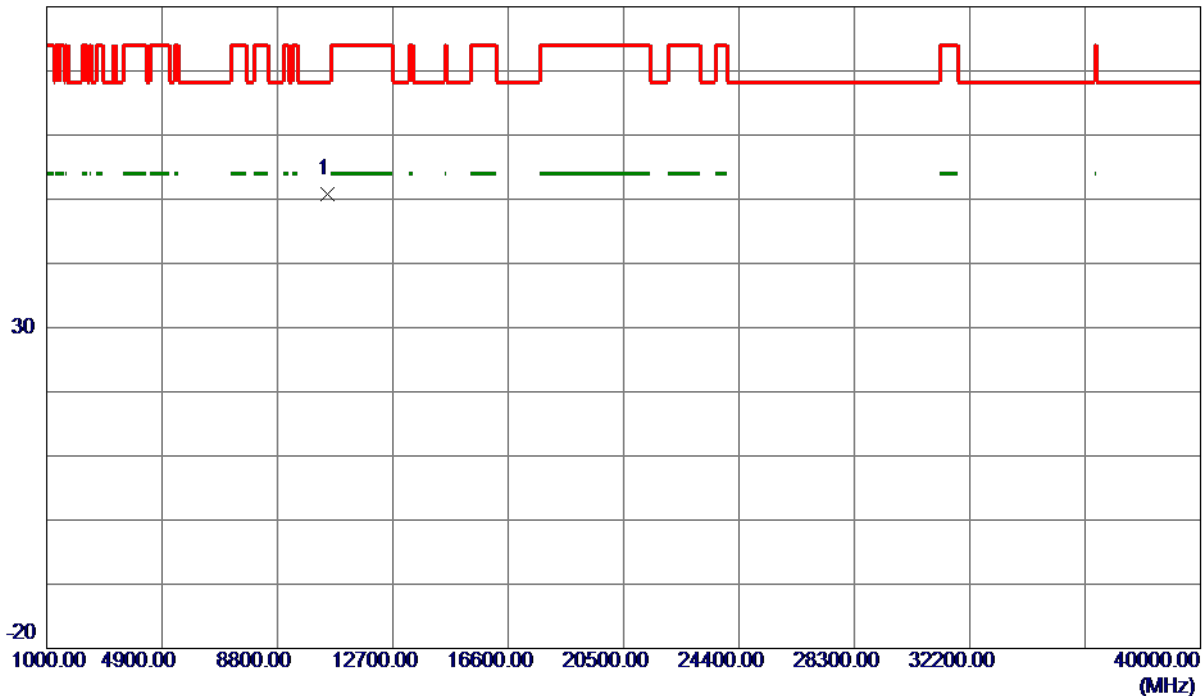
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10479.9650	36.01	14.83	50.84	68.30	-17.46	Peak	

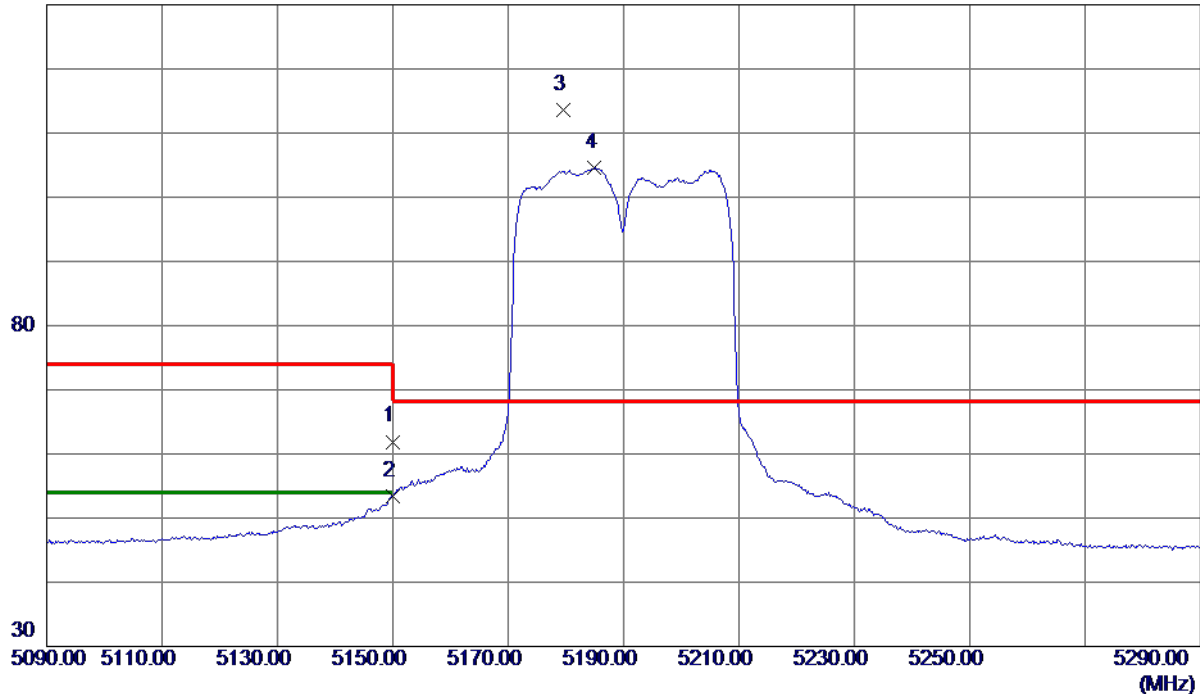
REMARKS:

- (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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	44.64	17.26	61.90	74.00	-12.10	Peak	
2	5150.0000	36.19	17.26	53.45	54.00	-0.55	AVG	
3 *	5179.6000	96.27	17.32	113.59	68.30	45.29	Peak	No Limit
4	5185.0000	87.24	17.33	104.57	999.00	-894.43	AVG	No Limit

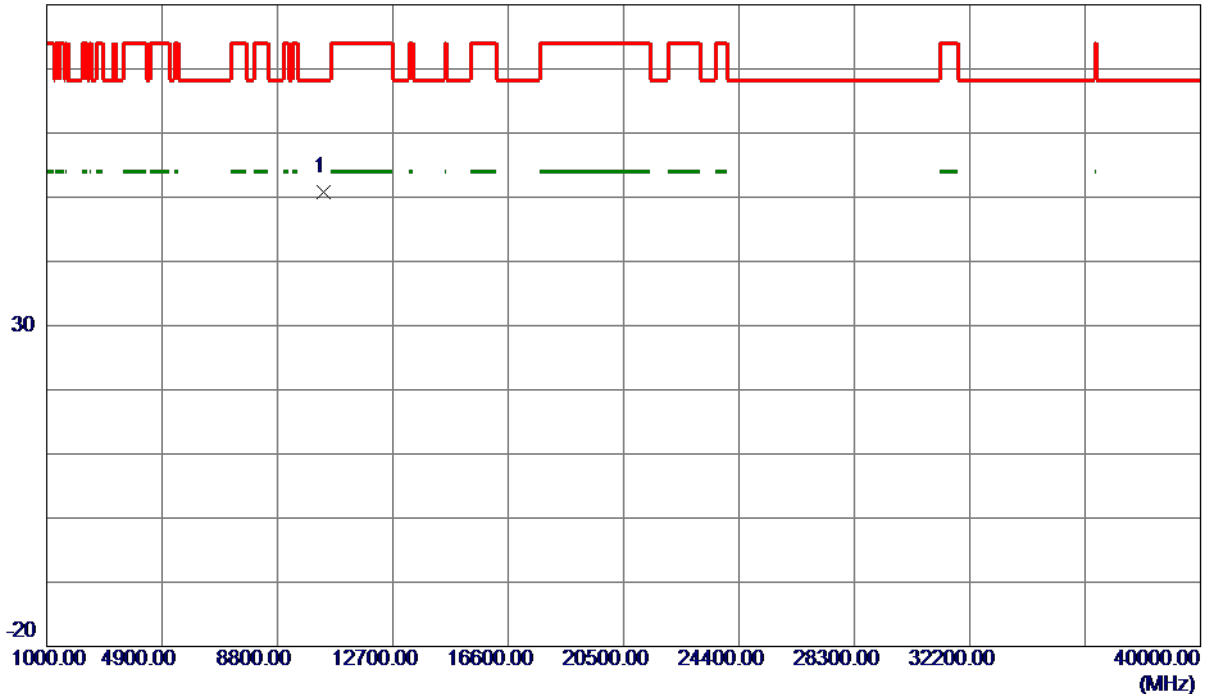
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10380.0650	36.07	14.66	50.73	68.30	-17.57	Peak	

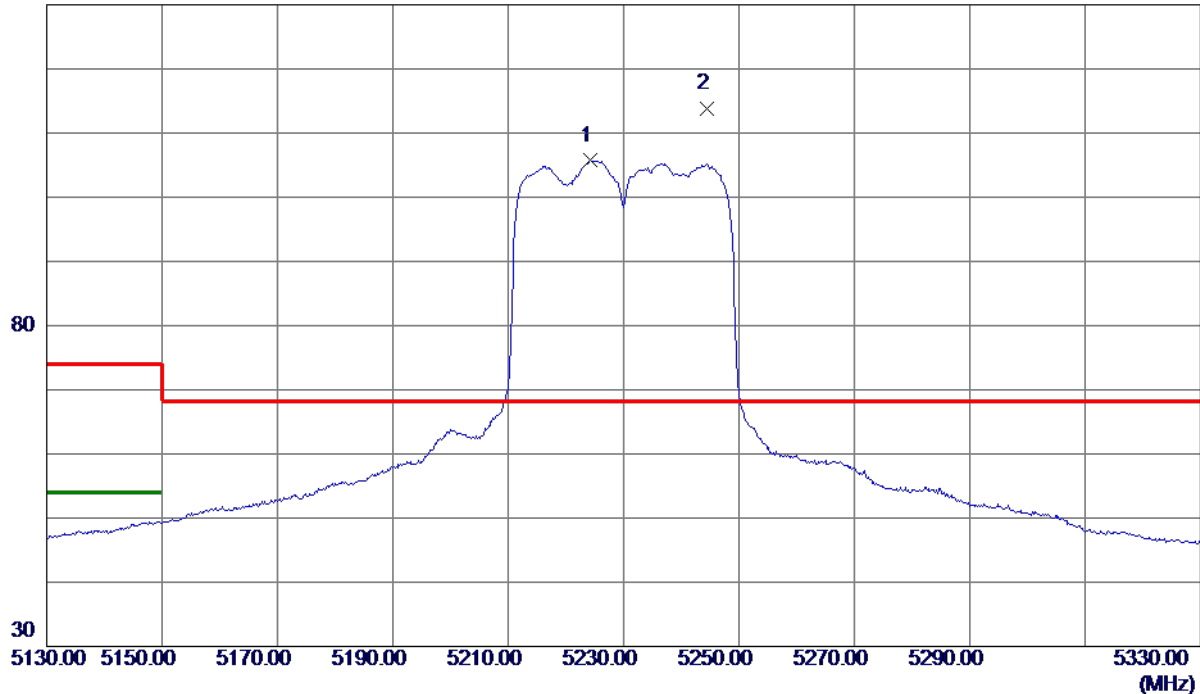
REMARKS:

- (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

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5224.2000	88.29	17.41	105.70	999.00	-893.30	AVG	No Limit
2 *	5244.4000	96.34	17.45	113.79	68.30	45.49	Peak	No Limit

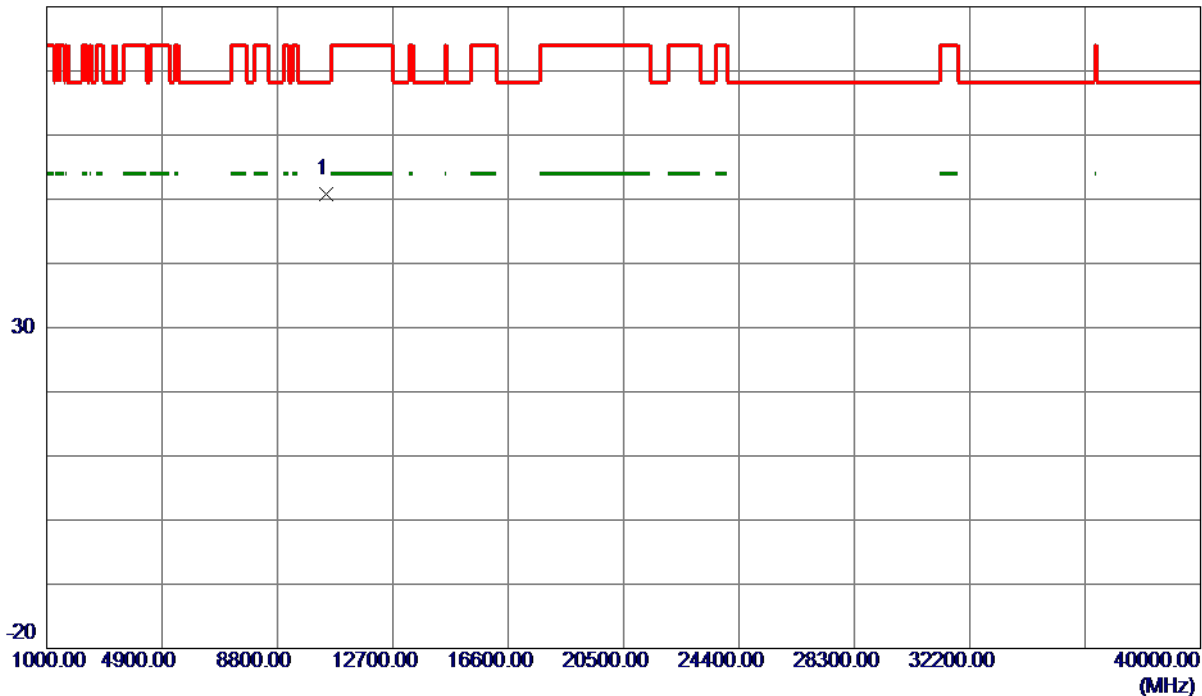
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10459.8200	35.95	14.79	50.74	68.30	-17.56	Peak	

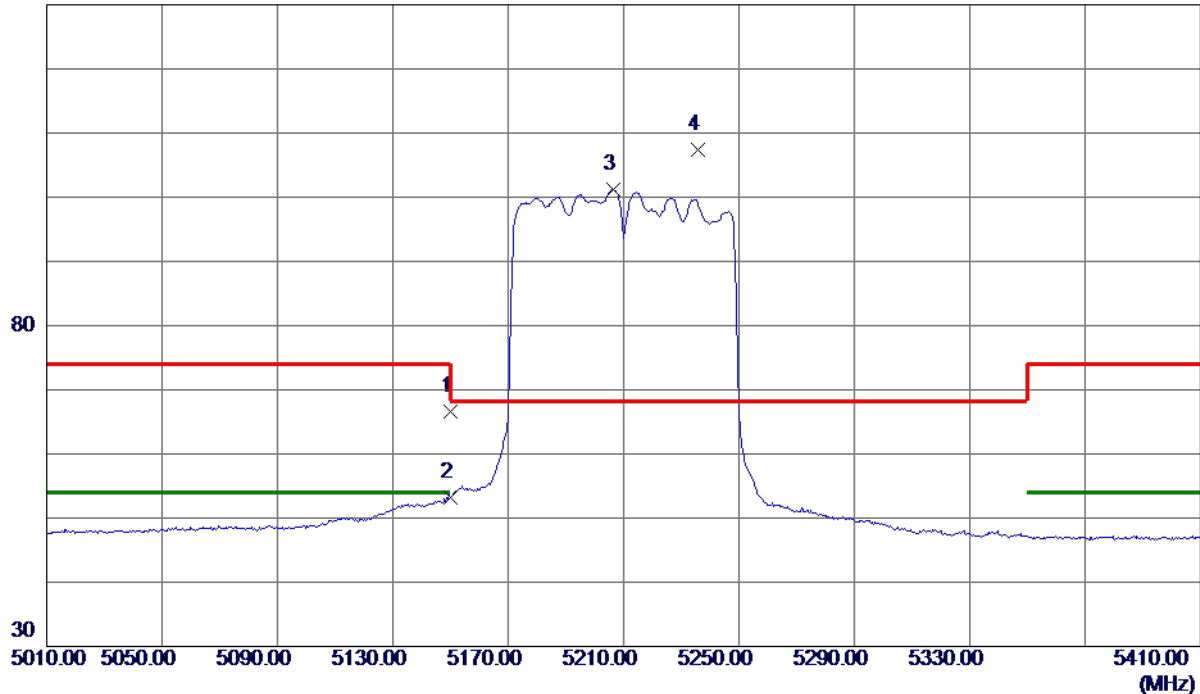
REMARKS:

- (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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	49.34	17.26	66.60	74.00	-7.40	Peak	
2	5150.0000	35.99	17.26	53.25	54.00	-0.75	AVG	
3	5206.4000	83.91	17.37	101.28	999.00	-897.72	AVG	No Limit
4 *	5235.6000	90.03	17.43	107.46	68.30	39.16	Peak	No Limit

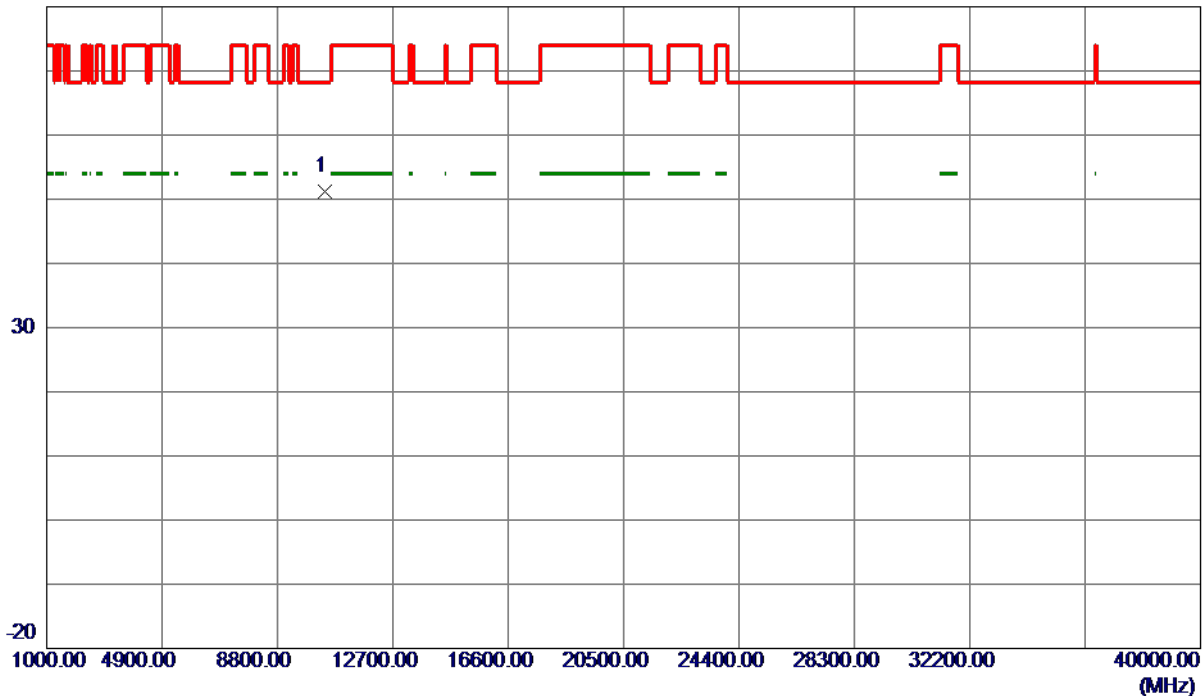
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10419.9950	36.53	14.72	51.25	68.30	-17.05	Peak	

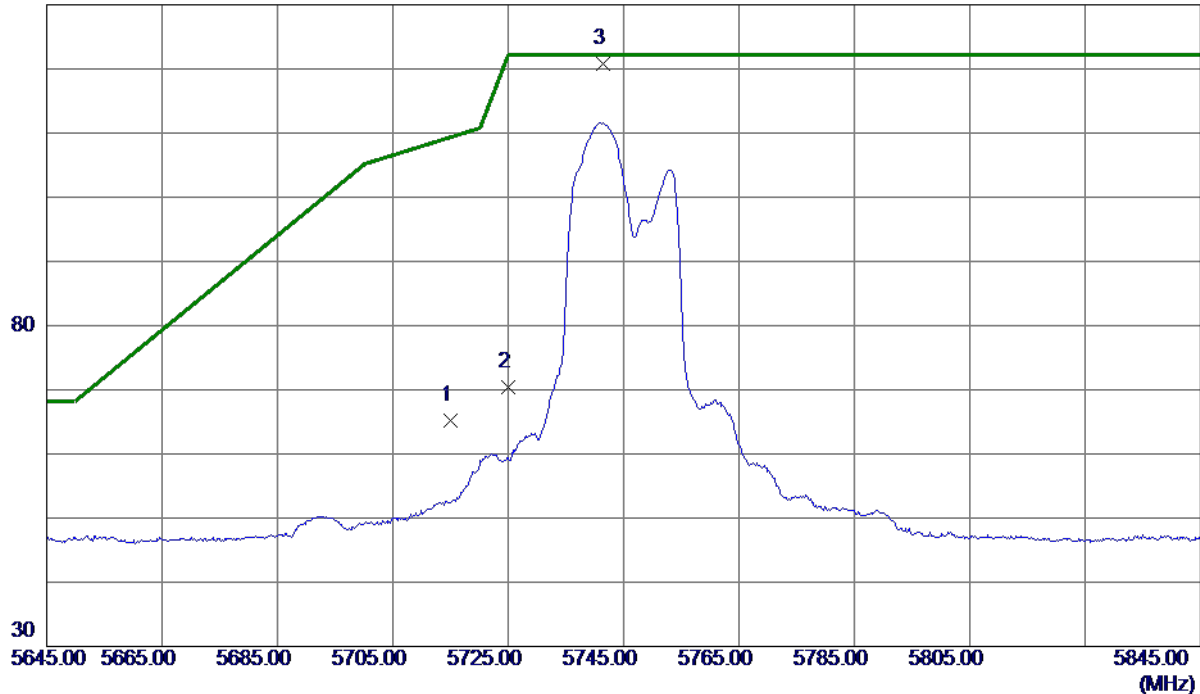
REMARKS:

- (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

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	46.59	18.65	65.24	109.40	-44.16	Peak	
2	5725.0000	51.75	18.69	70.44	122.20	-51.76	Peak	
3 *	5741.4000	102.03	18.74	120.77	122.20	-1.43	Peak	No Limit

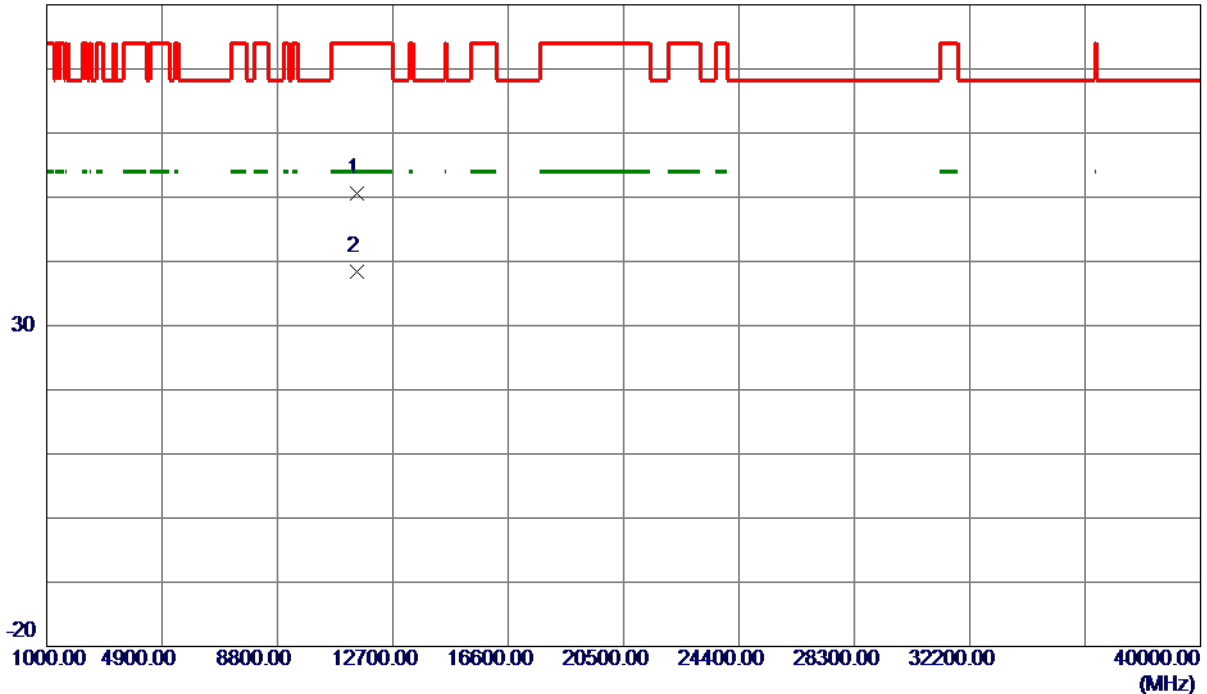
REMARKS:

- (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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11489.7030	33.45	17.16	50.61	74.00	-23.39	Peak	
2 *	11489.9589	21.23	17.16	38.39	54.00	-15.61	AVG	

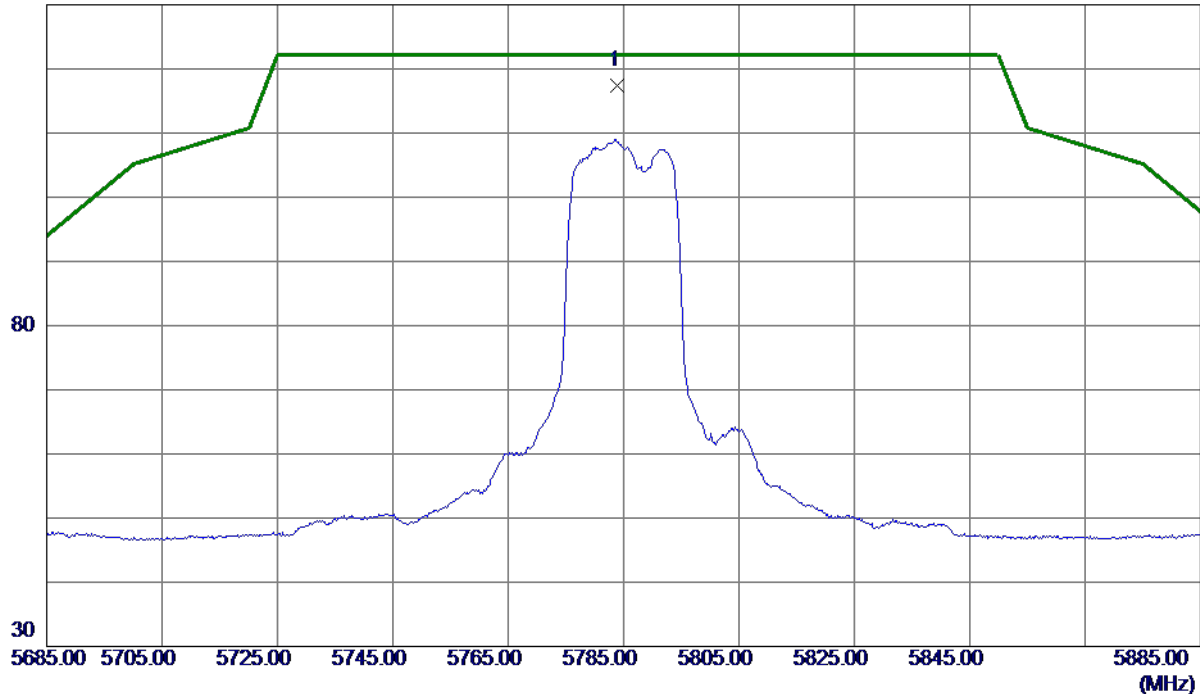
REMARKS:

- (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 5785 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5784.0000	98.50	18.88	117.38	122.20	-4.82	Peak	No Limit

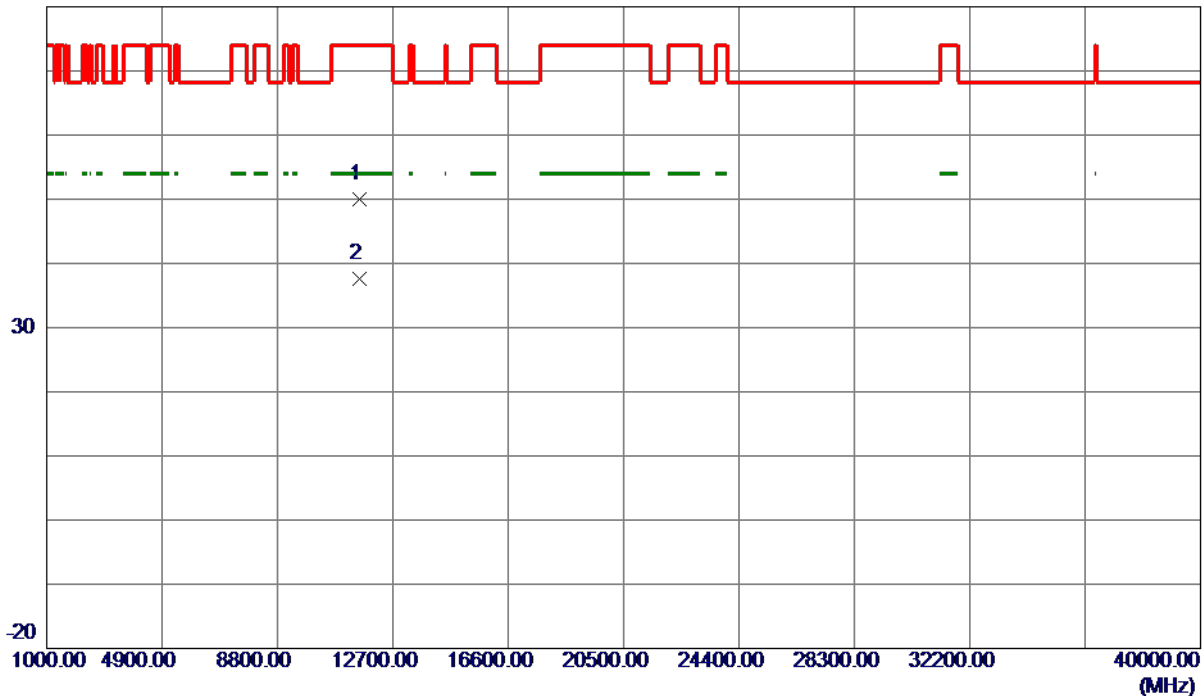
REMARKS:

- (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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11569.6769	32.83	17.20	50.03	74.00	-23.97	Peak	
2 *	11569.8820	20.40	17.20	37.60	54.00	-16.40	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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5821.4000	98.54	19.00	117.54	122.20	-4.66	Peak	No Limit
2	5850.0000	45.19	19.09	64.28	122.20	-57.92	Peak	
3	5860.0000	39.42	19.13	58.55	109.40	-50.85	Peak	

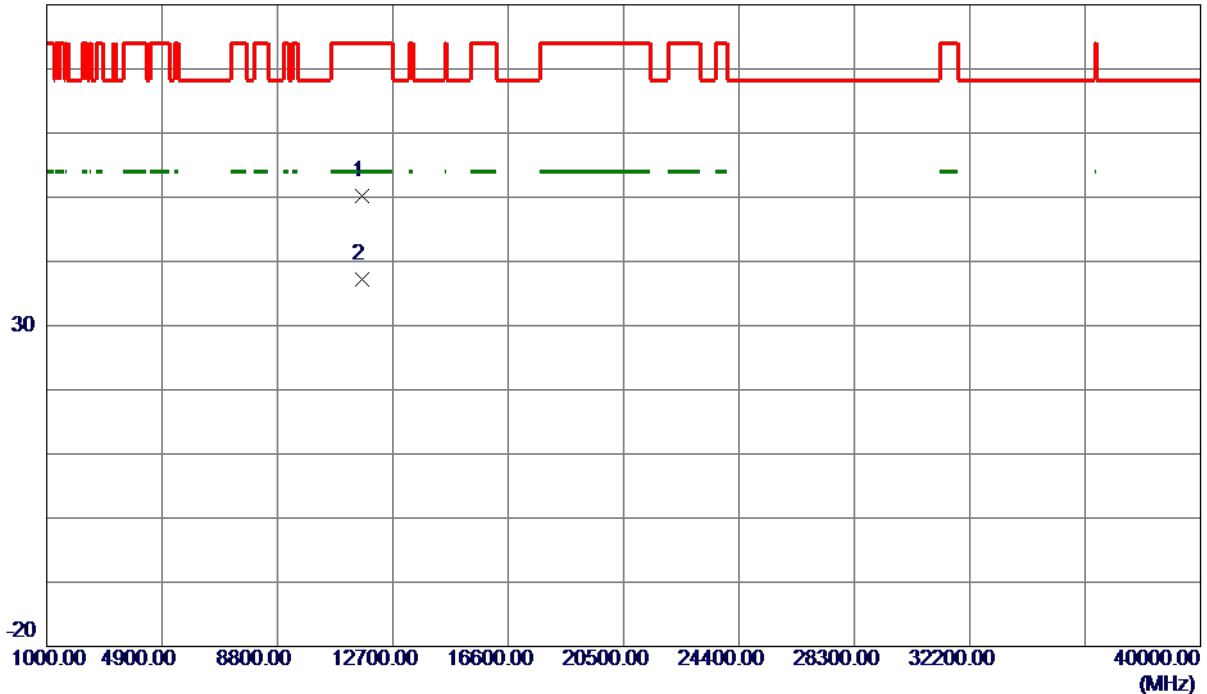
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11649.6110	32.96	17.23	50.19	74.00	-23.81	Peak	
2 *	11649.9650	19.89	17.23	37.12	54.00	-16.88	AVG	

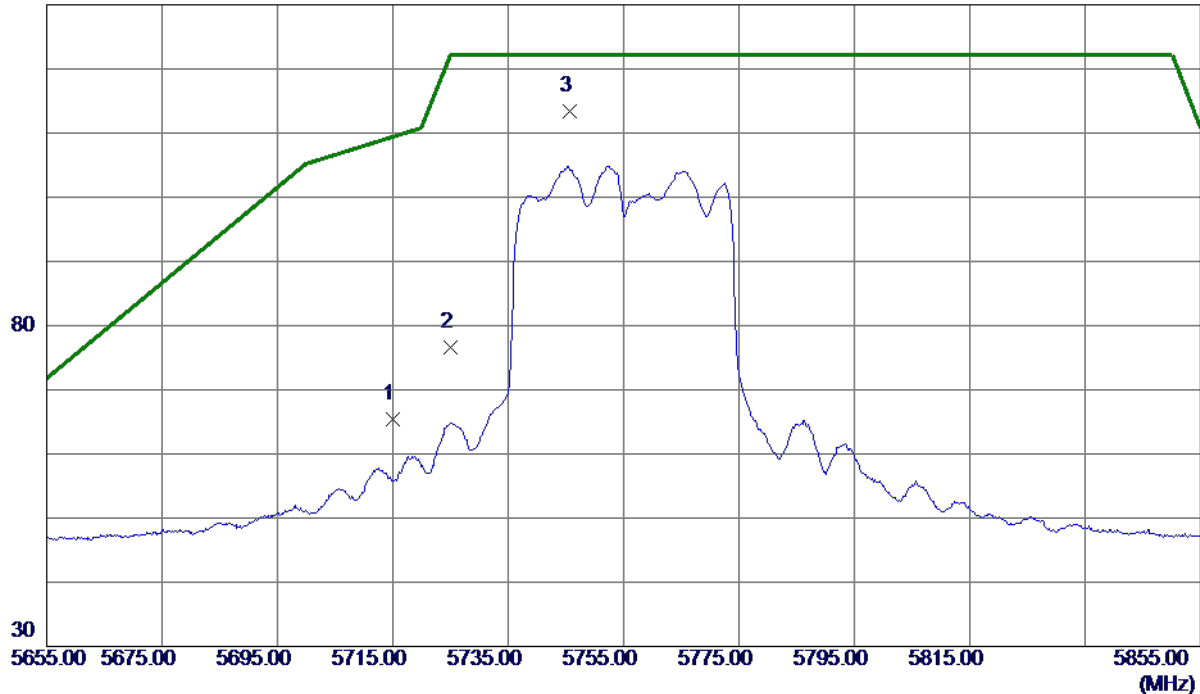
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	46.70	18.65	65.35	109.40	-44.05	Peak	
2	5725.0000	57.92	18.69	76.61	122.20	-45.59	Peak	
3 *	5745.6000	94.59	18.75	113.34	122.20	-8.86	Peak	No Limit

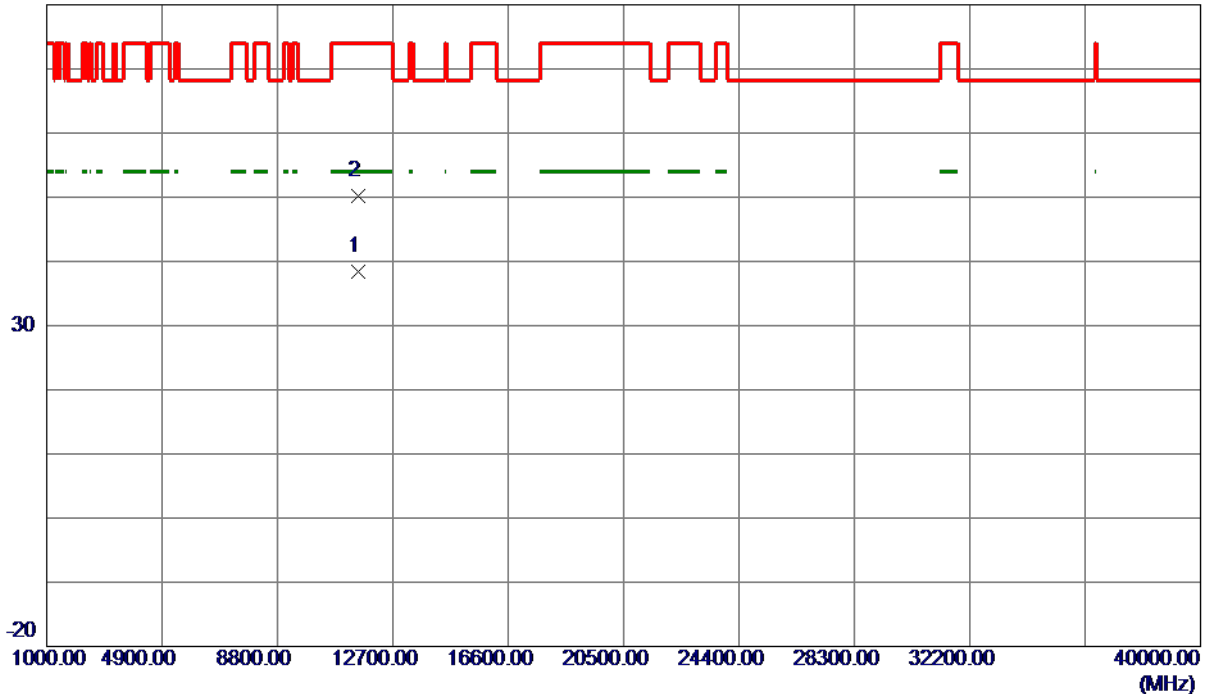
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11509.9300	21.23	17.18	38.41	54.00	-15.59	AVG	
2	11510.0599	33.08	17.18	50.26	74.00	-23.74	Peak	

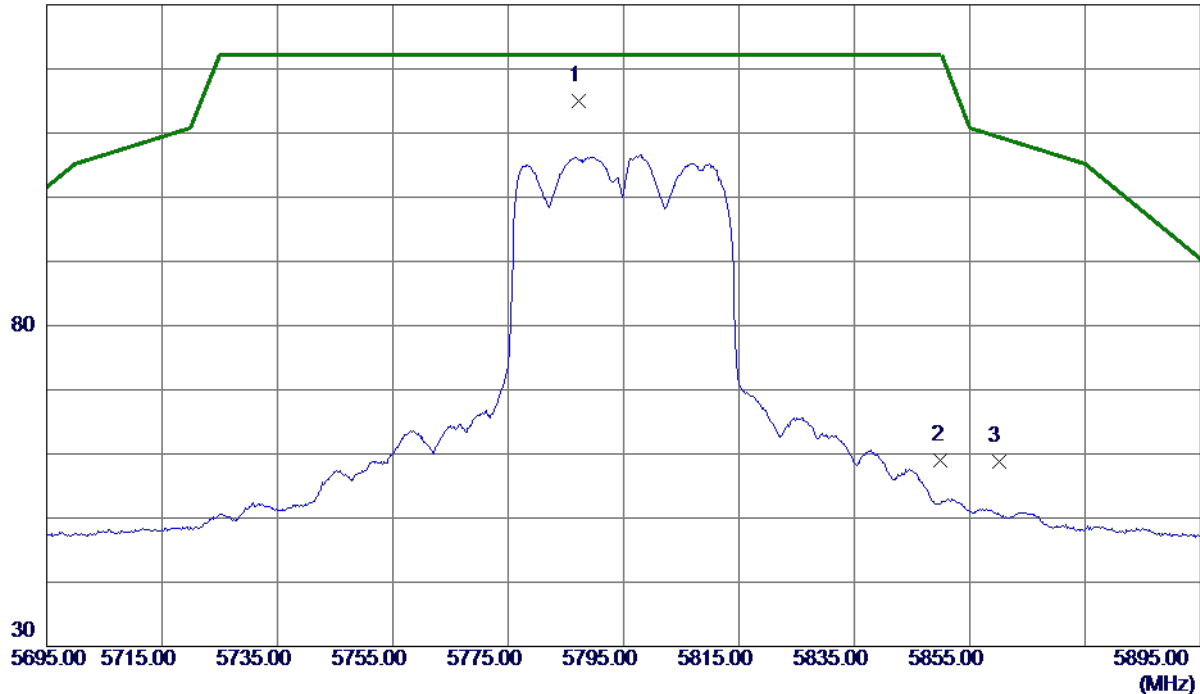
REMARKS:

- (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

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5787.2000	96.09	18.89	114.98	122.20	-7.22	Peak	No Limit
2	5850.0000	39.99	19.09	59.08	122.20	-63.12	Peak	
3	5860.0000	39.65	19.13	58.78	109.40	-50.62	Peak	

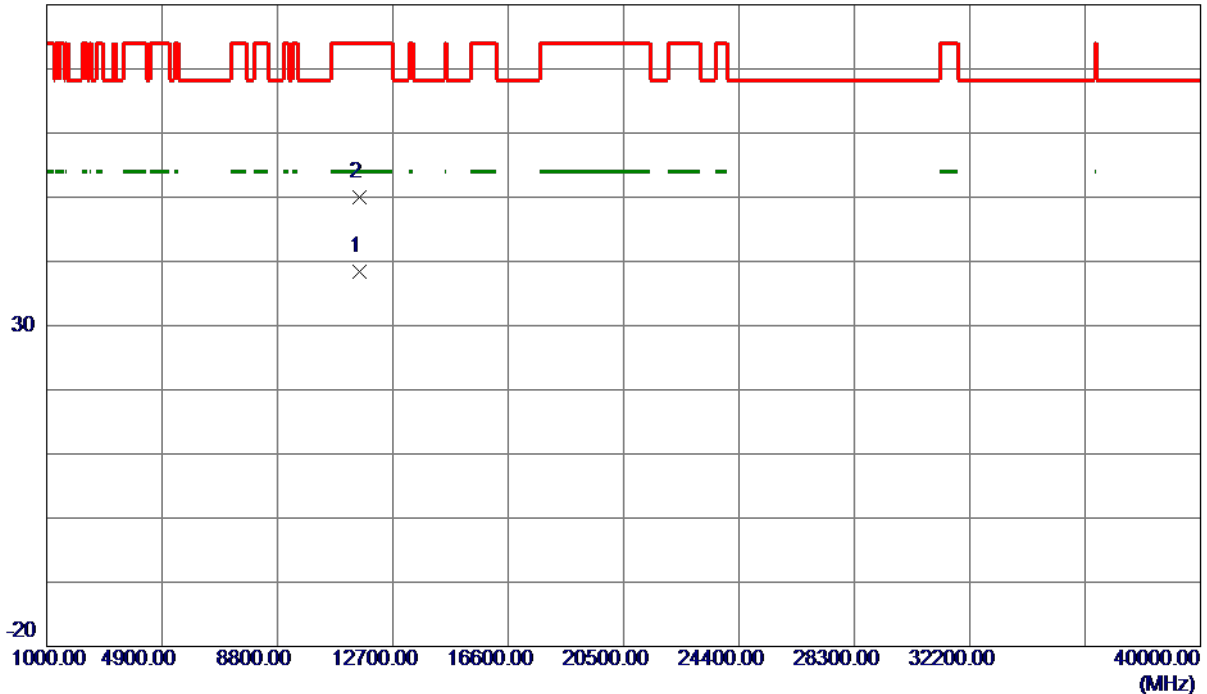
REMARKS:

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11589.8850	21.17	17.21	38.38	74.00	-35.62	Peak	
2 *	11589.9400	32.71	17.21	49.92	74.00	-24.08	Peak	

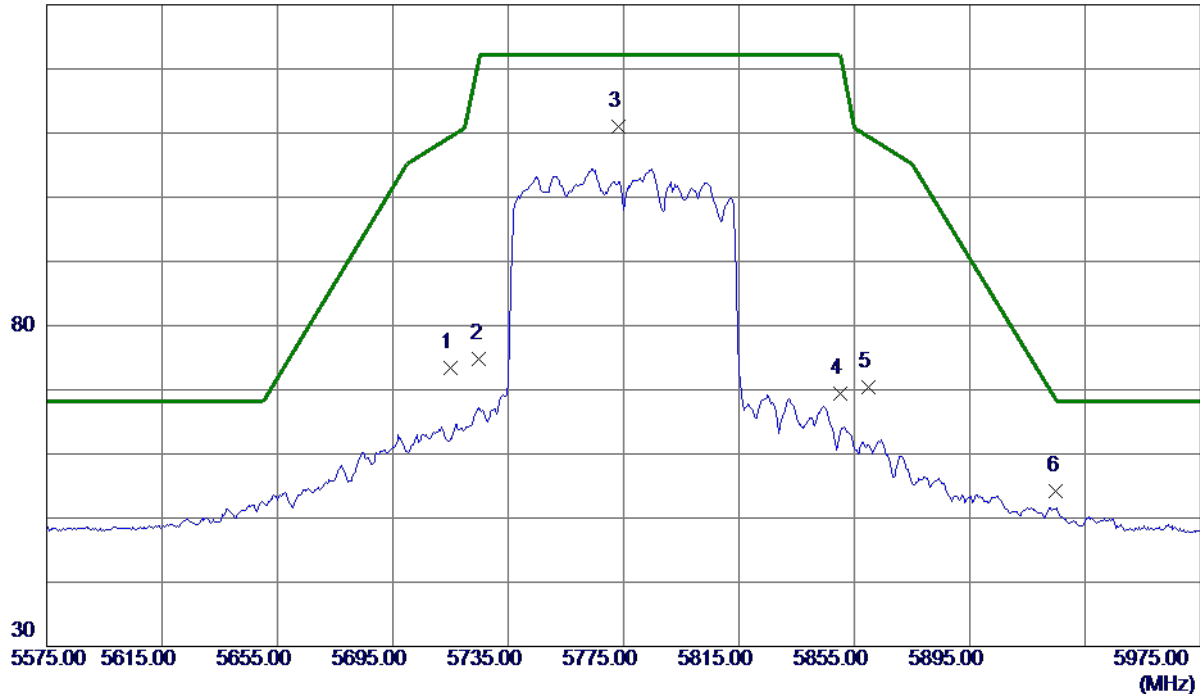
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	54.81	18.65	73.46	109.40	-35.94	Peak	
2	5725.0000	56.18	18.69	74.87	122.20	-47.33	Peak	
3 *	5773.4000	92.13	18.84	110.97	122.20	-11.23	Peak	No Limit
4	5850.0000	50.30	19.09	69.39	122.20	-52.81	Peak	
5	5860.0000	51.28	19.13	70.41	109.40	-38.99	Peak	
6	5925.0000	34.81	19.34	54.15	68.20	-14.05	Peak	

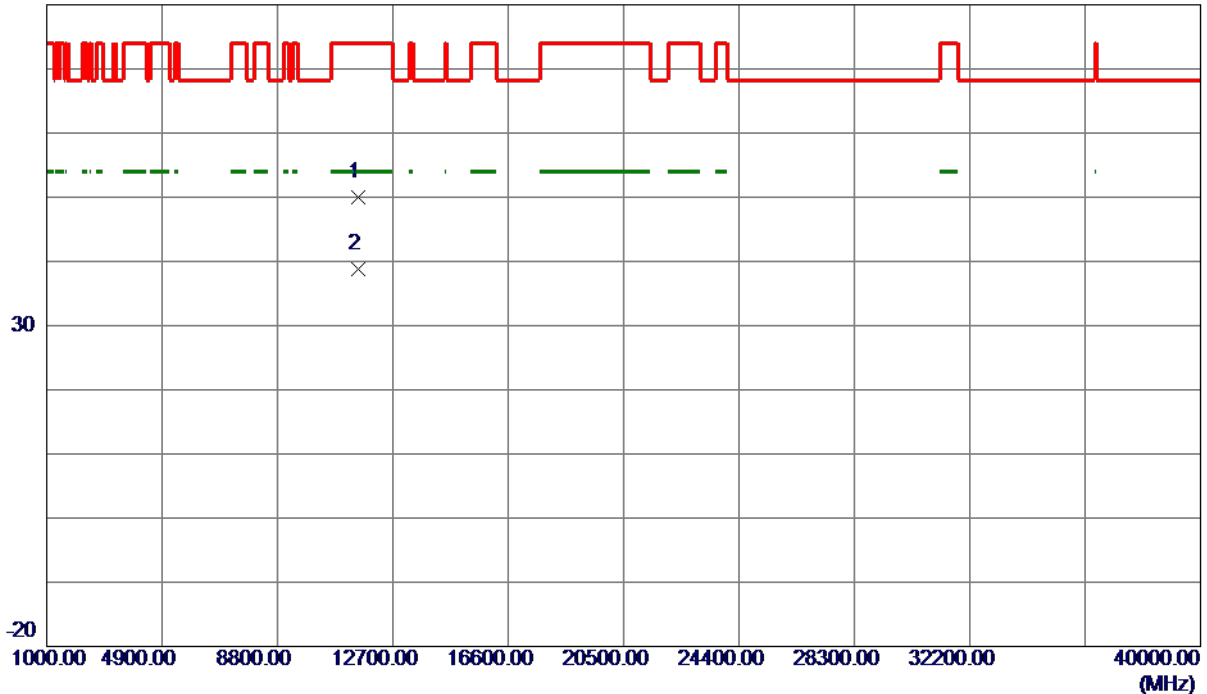
REMARKS:

- (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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11549.7750	32.86	17.20	50.06	74.00	-23.94	Peak	
2 *	11549.7950	21.53	17.20	38.73	54.00	-15.27	AVG	

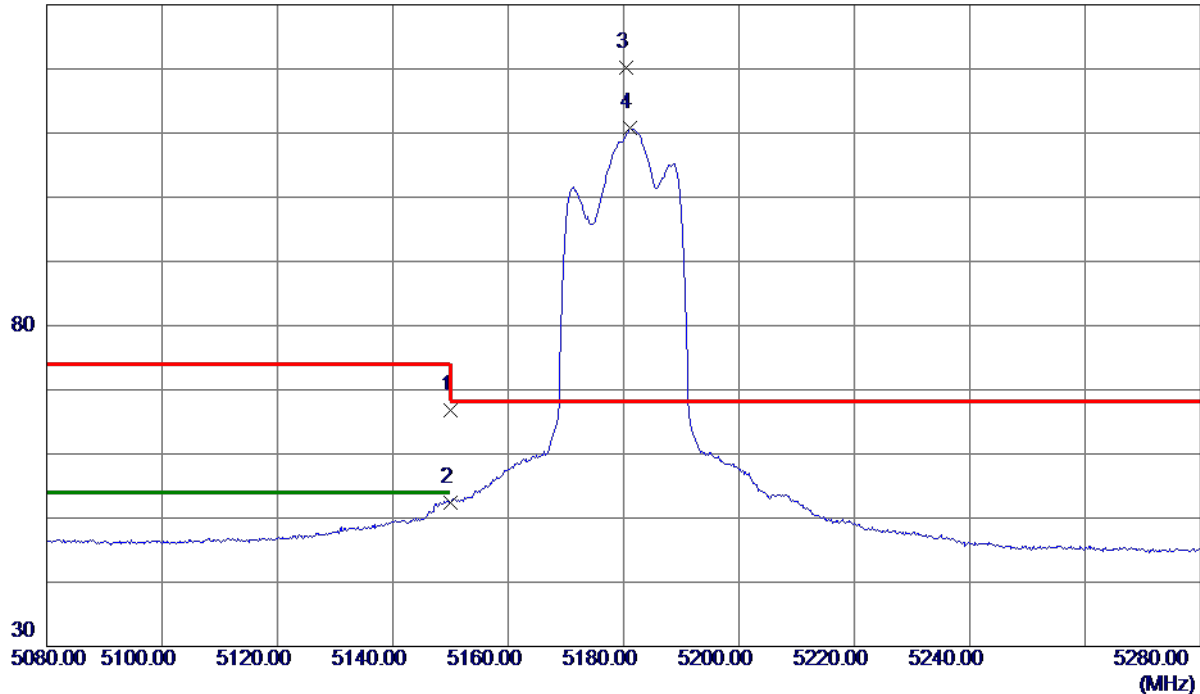
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	49.55	17.26	66.81	74.00	-7.19	Peak	
2	5150.0000	35.16	17.26	52.42	54.00	-1.58	AVG	
3 *	5180.4000	102.89	17.32	120.21	68.30	51.91	Peak	No Limit
4	5181.2000	93.44	17.32	110.76	999.00	-888.24	AVG	No Limit

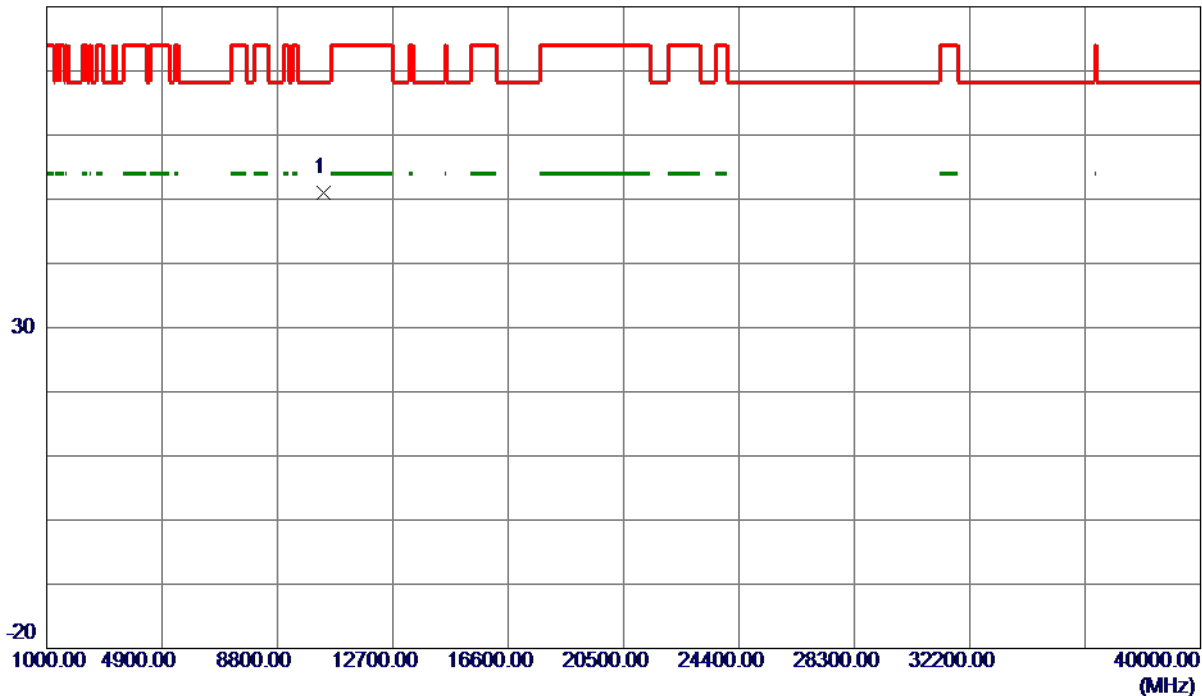
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10359.9300	36.32	14.62	50.94	68.30	-17.36	Peak	

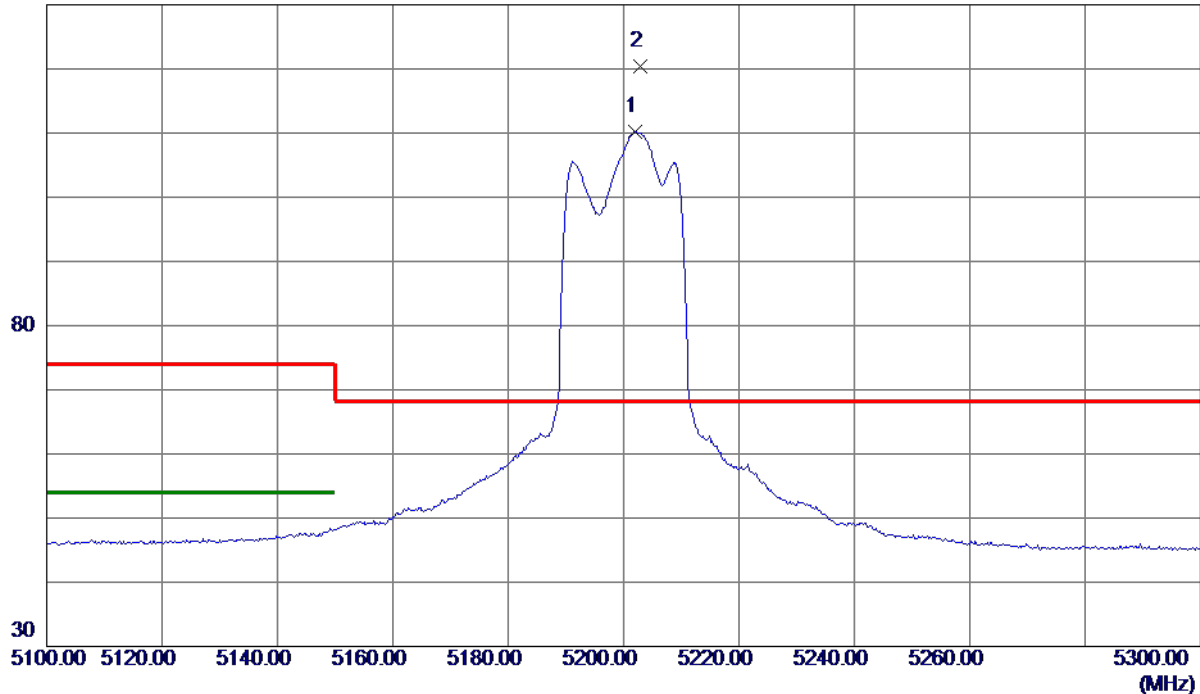
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5202.0000	92.78	17.36	110.14	999.00	-888.86	AVG	No Limit
2 *	5202.8000	103.08	17.36	120.44	68.30	52.14	Peak	No Limit

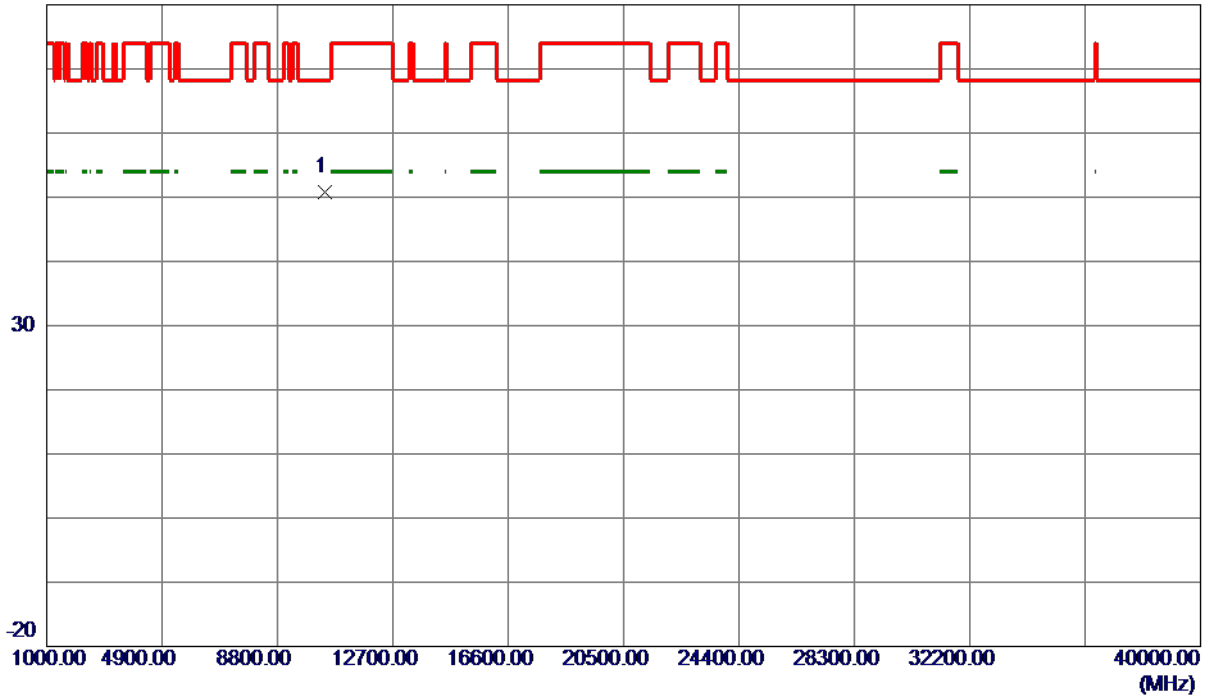
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10399.9800	36.05	14.69	50.74	68.30	-17.56	Peak	

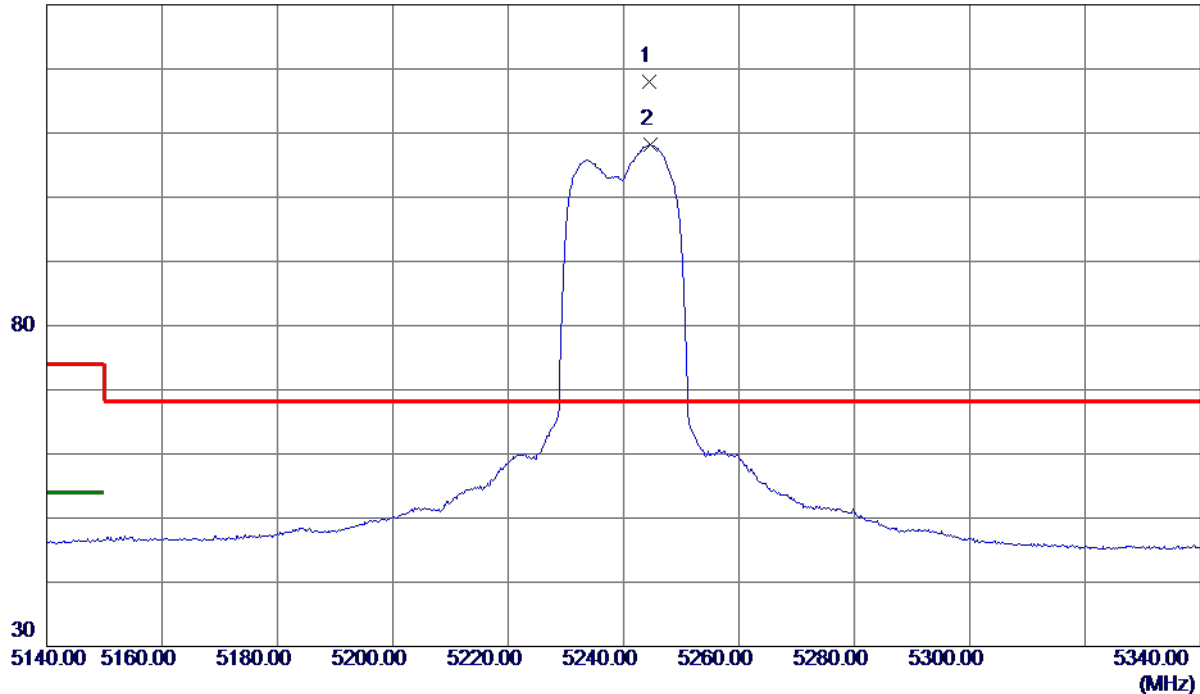
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5244.4000	100.65	17.45	118.10	68.30	49.80	Peak	No Limit
2	5244.6000	90.76	17.45	108.21	999.00	-890.79	AVG	No Limit

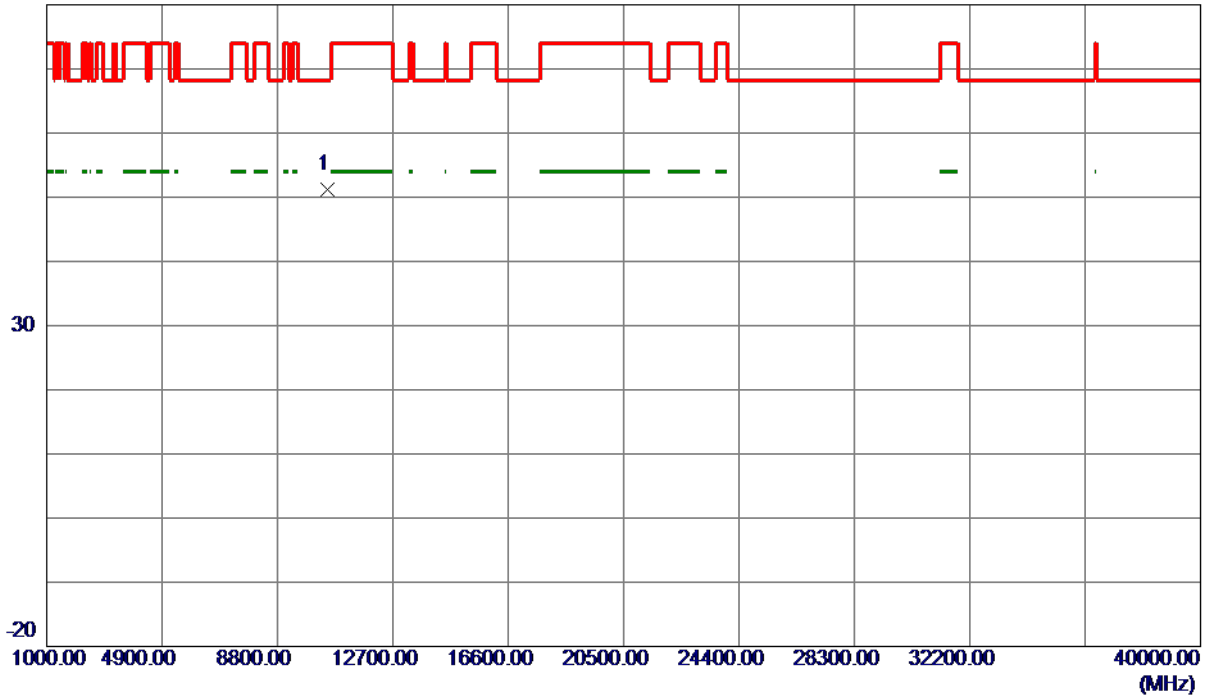
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10480.1600	36.31	14.83	51.14	68.30	-17.16	Peak	

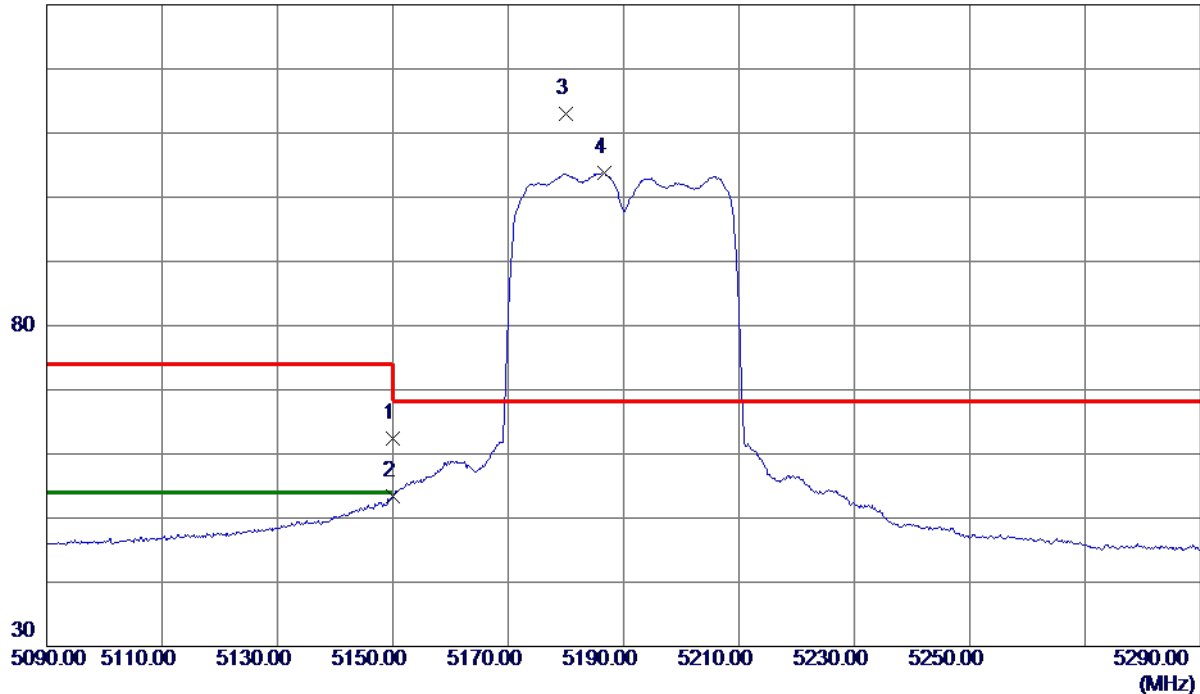
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	45.14	17.26	62.40	74.00	-11.60	Peak	
2	5150.0000	36.09	17.26	53.35	54.00	-0.65	AVG	
3 *	5180.0000	95.76	17.32	113.08	68.30	44.78	Peak	No Limit
4	5186.6000	86.48	17.33	103.81	999.00	-895.19	AVG	No Limit

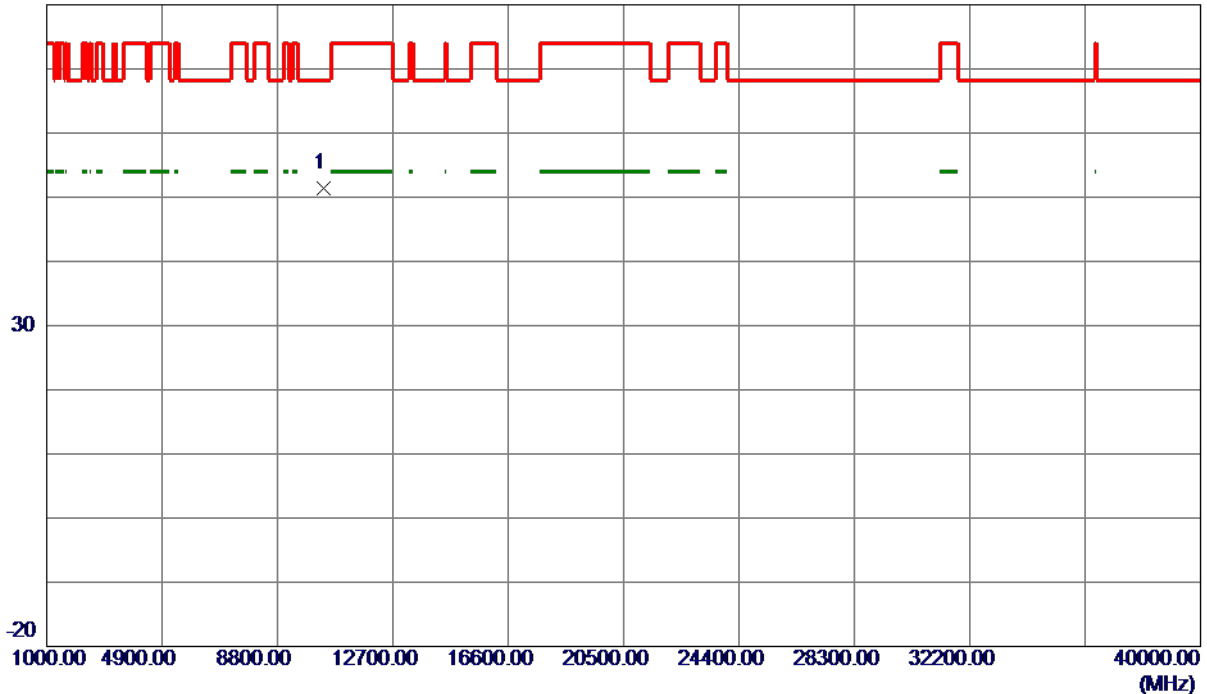
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10380.3099	36.74	14.66	51.40	68.30	-16.90	Peak	

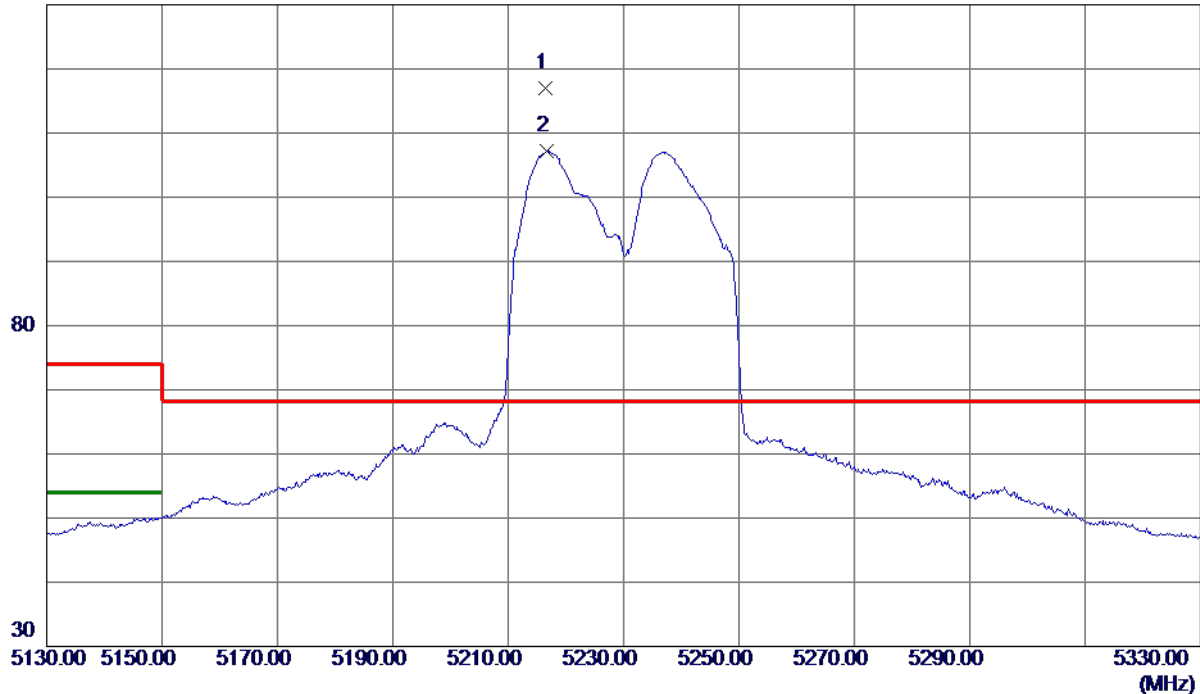
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5216.4000	99.68	17.39	117.07	68.30	48.77	Peak	No Limit
2	5216.6000	89.87	17.39	107.26	999.00	-891.74	AVG	No Limit

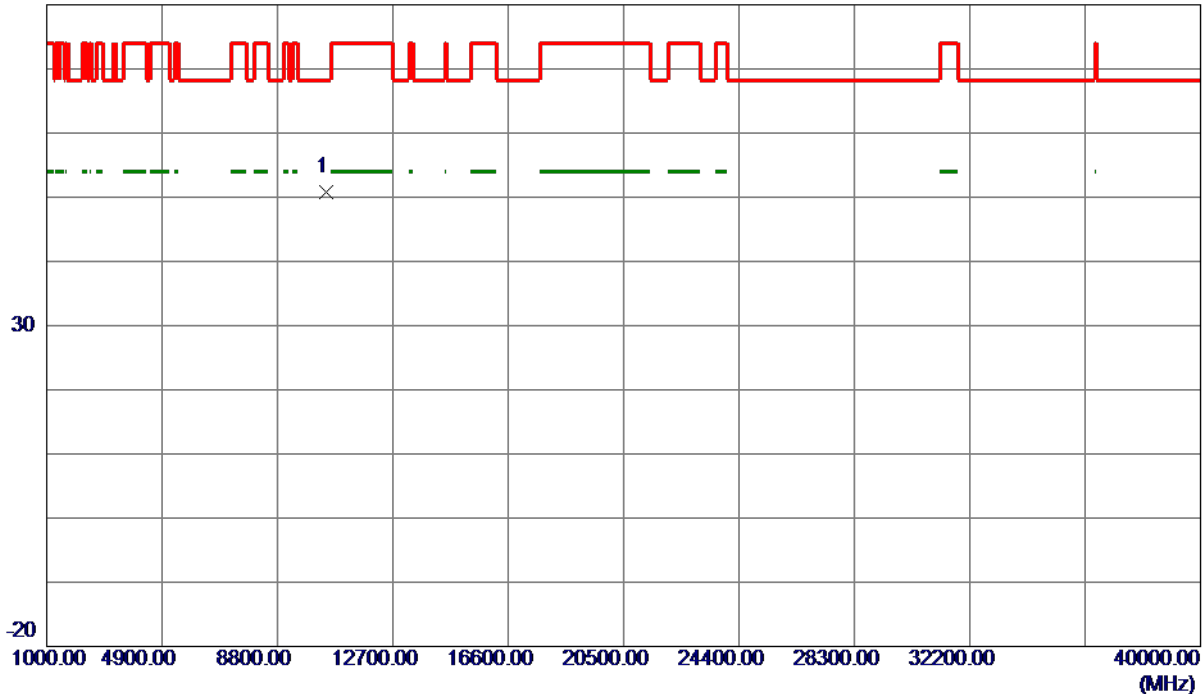
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10460.0700	36.02	14.79	50.81	68.30	-17.49	Peak	

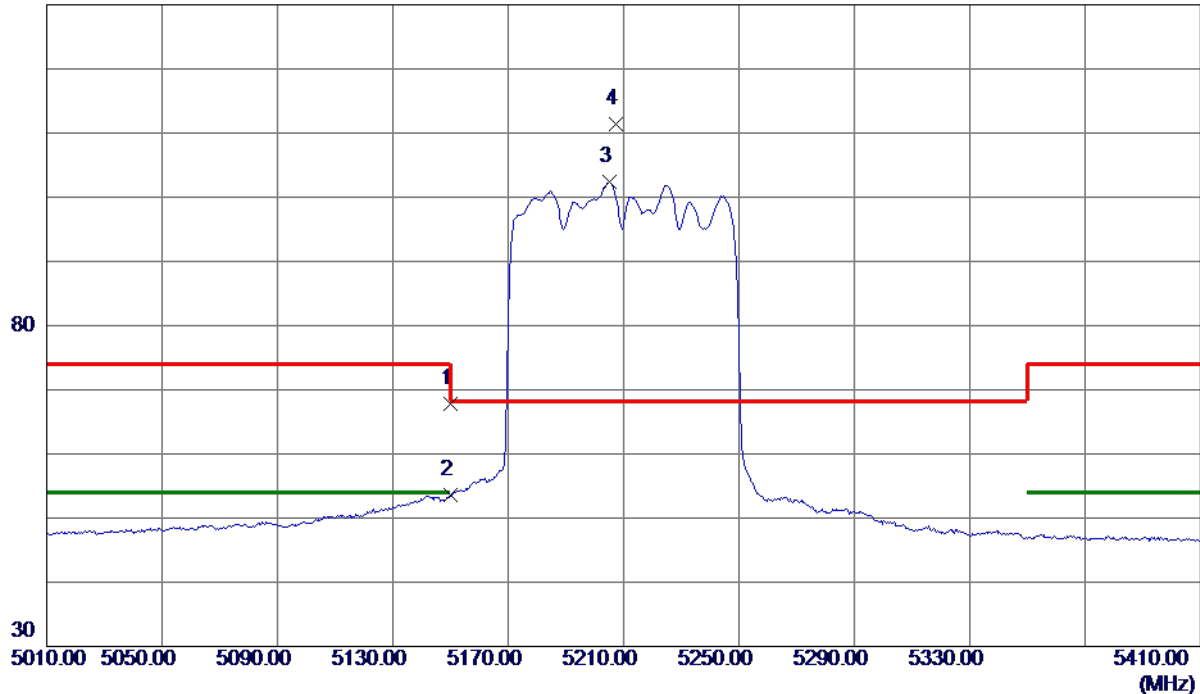
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	50.49	17.26	67.75	74.00	-6.25	Peak	
2	5150.0000	36.35	17.26	53.61	54.00	-0.39	AVG	
3	5205.2000	85.02	17.37	102.39	999.00	-896.61	AVG	No Limit
4 *	5207.2000	93.97	17.37	111.34	68.30	43.04	Peak	No Limit

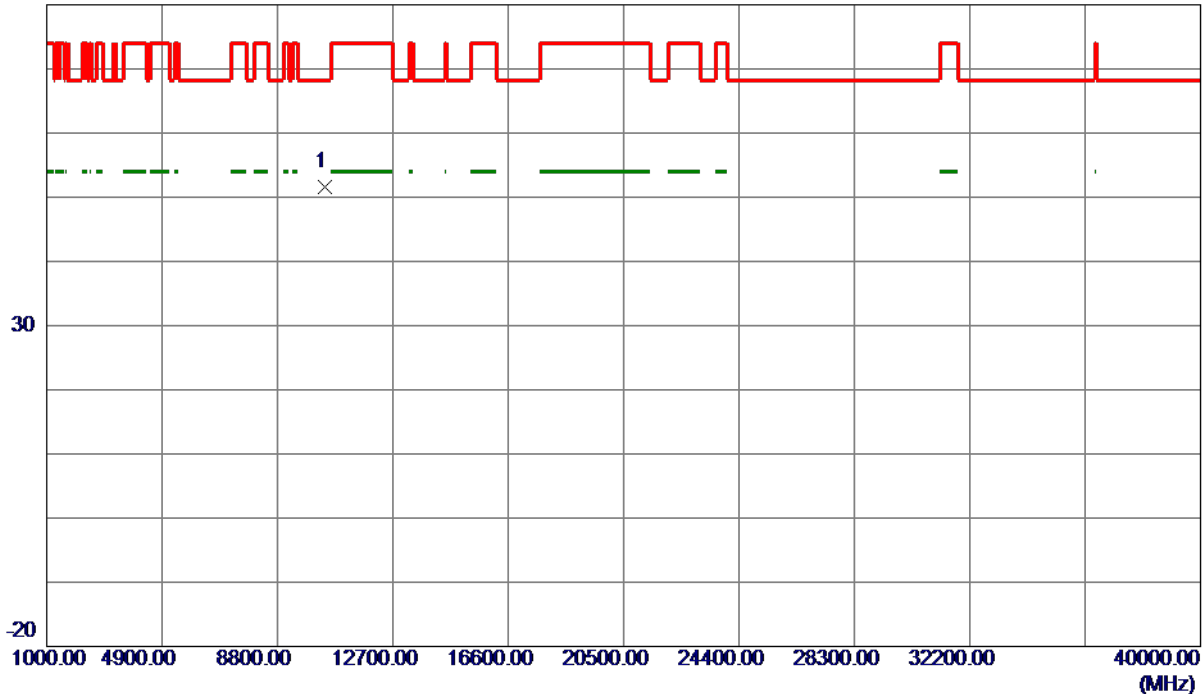
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10419.9850	36.96	14.72	51.68	68.30	-16.62	Peak	

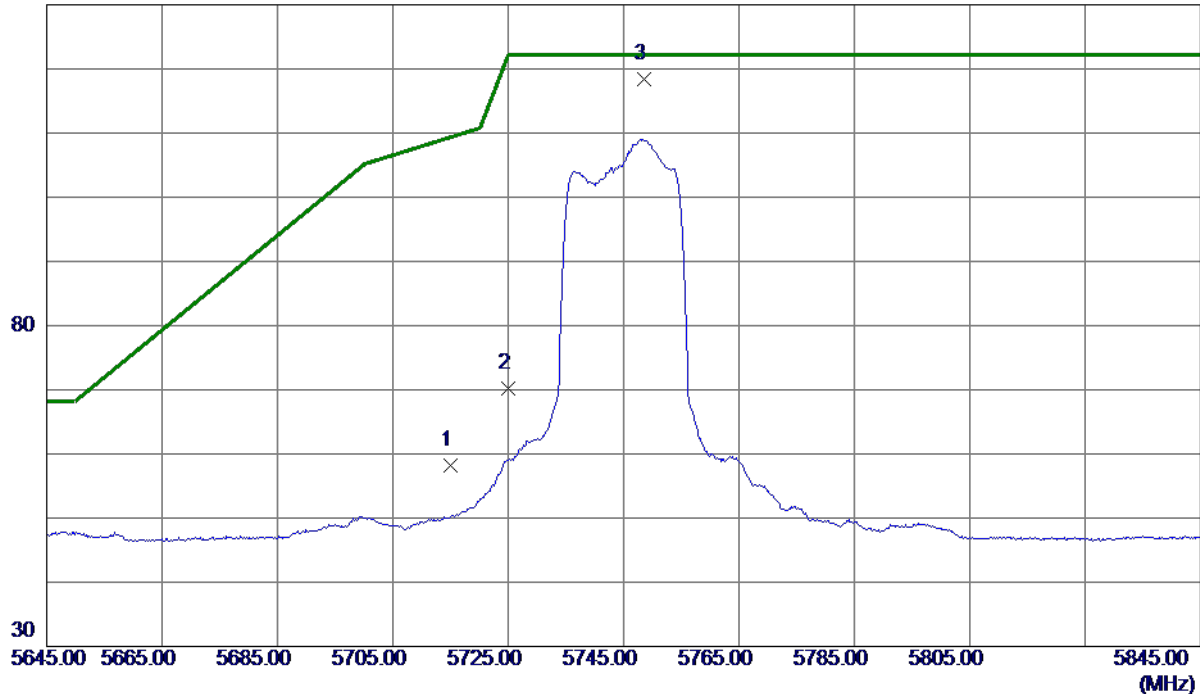
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5745 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	39.53	18.65	58.18	109.40	-51.22	Peak	
2	5725.0000	51.55	18.69	70.24	122.20	-51.96	Peak	
3 *	5748.6000	99.60	18.76	118.36	122.20	-3.84	Peak	No Limit

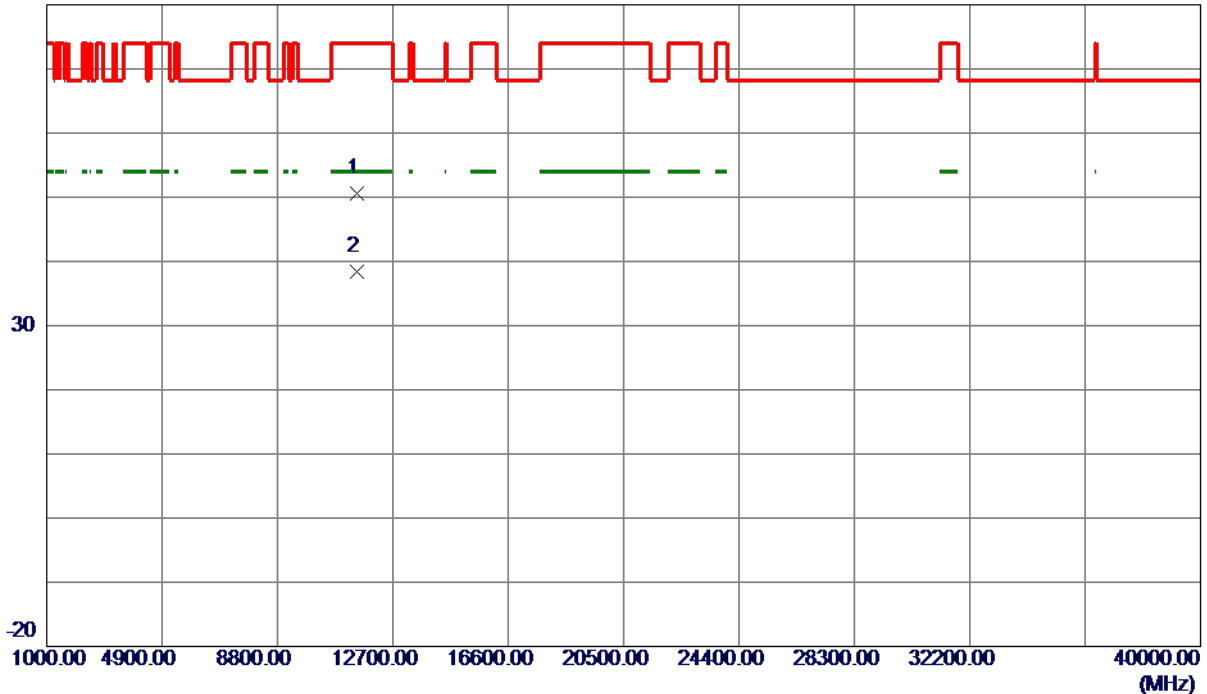
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5745 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11489.5350	33.51	17.16	50.67	74.00	-23.33	Peak	
2 *	11489.8400	21.20	17.16	38.36	54.00	-15.64	AVG	

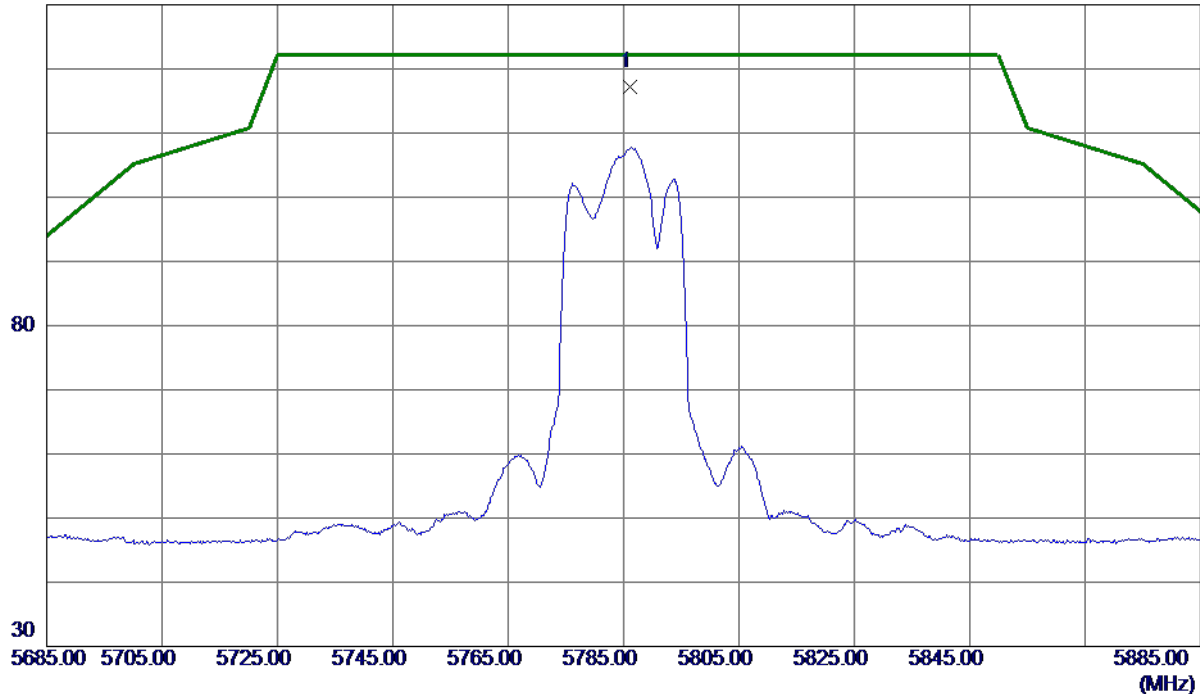
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5785 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5786.2000	98.37	18.89	117.26	122.20	-4.94	Peak	No Limit

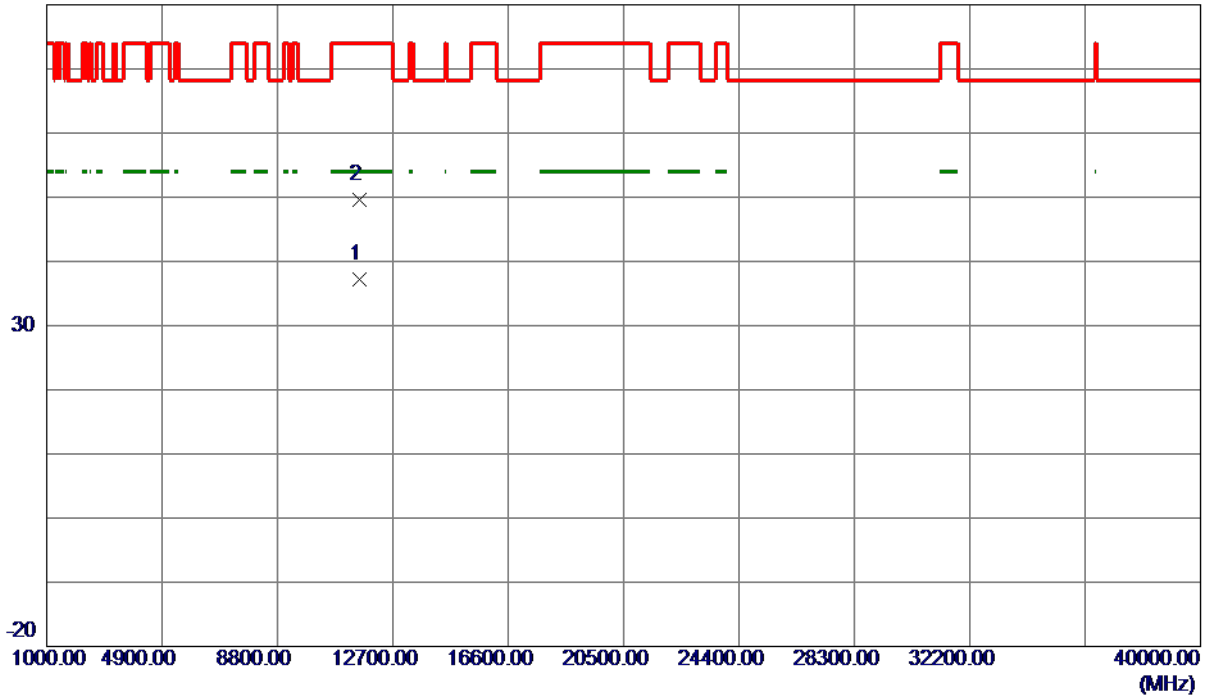
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5785 MHz

Vertical

80 dBuV/m



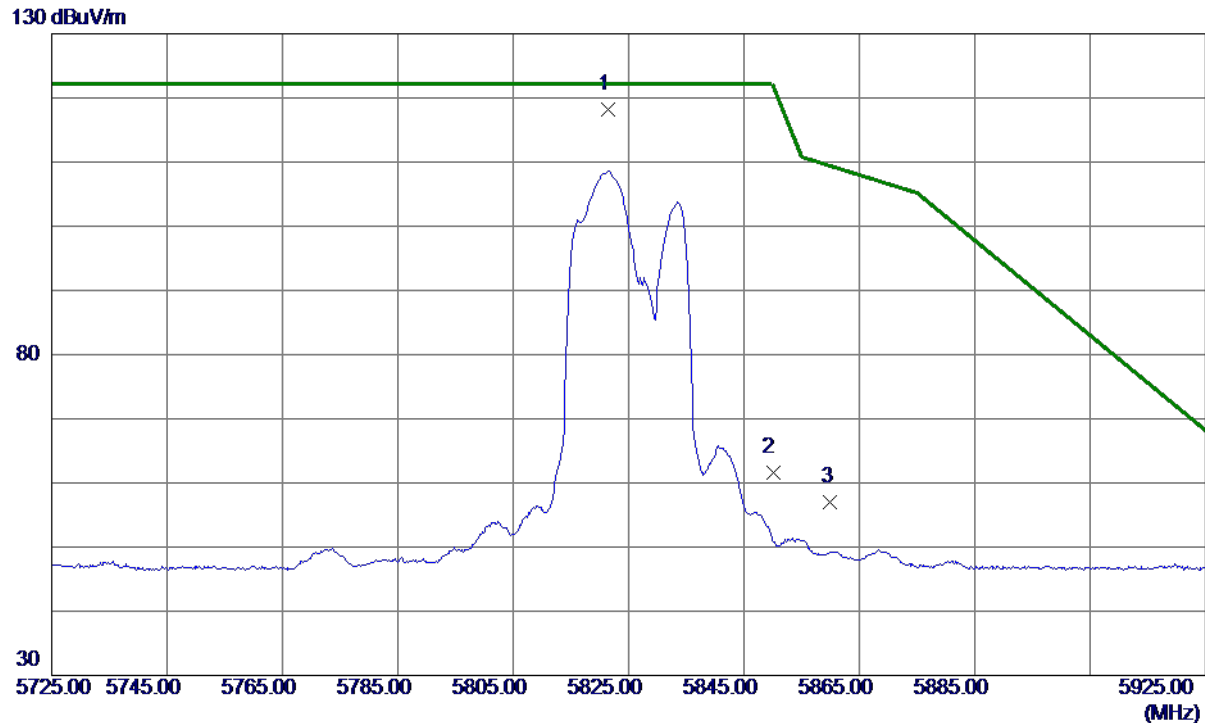
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11569.7550	20.07	17.20	37.27	54.00	-16.73	AVG	
2	11569.9650	32.48	17.20	49.68	74.00	-24.32	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5825 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5821.4000	99.13	19.00	118.13	122.20	-4.07	Peak	No Limit
2	5850.0000	42.42	19.09	61.51	122.20	-60.69	Peak	
3	5860.0000	37.84	19.13	56.97	109.40	-52.43	Peak	

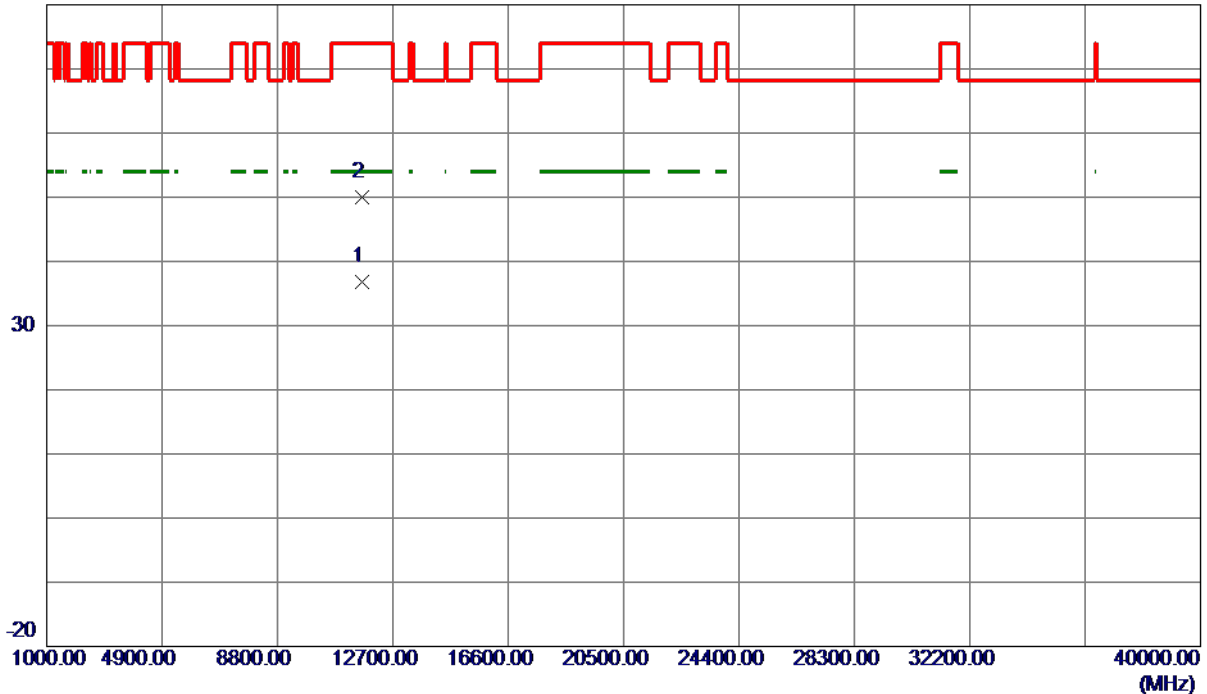
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5825 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11649.6470	19.62	17.23	36.85	54.00	-17.15	AVG	
2	11649.7210	32.78	17.23	50.01	74.00	-23.99	Peak	

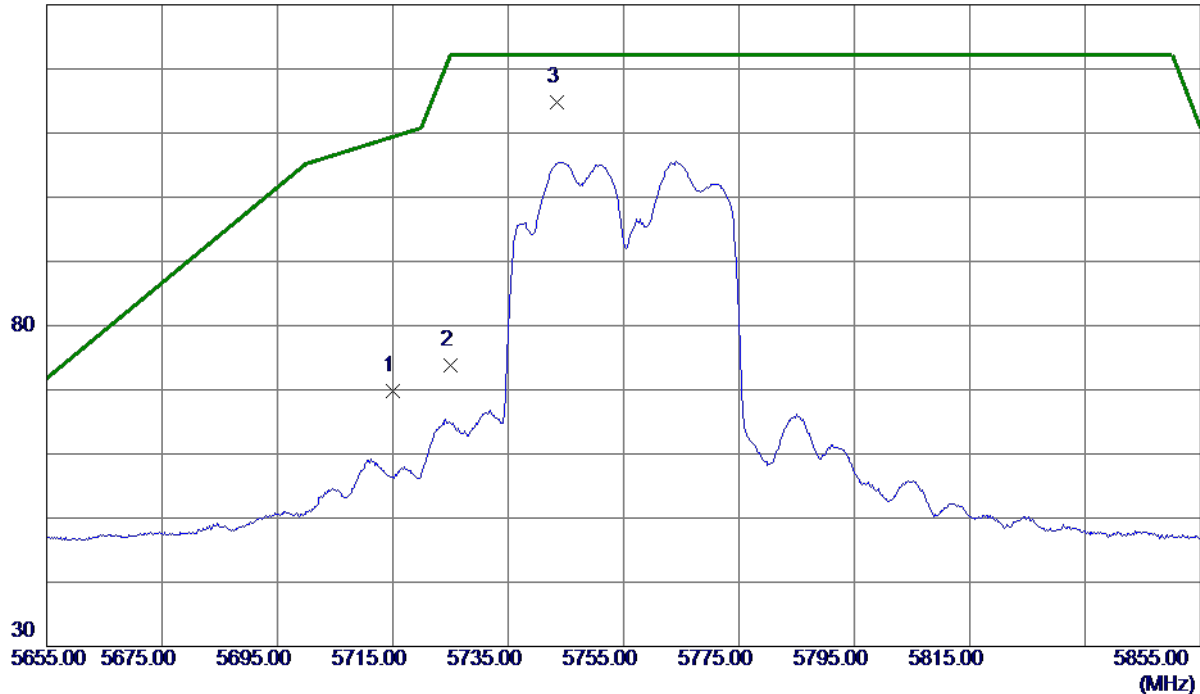
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE40) Mode 5755 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	51.07	18.65	69.72	109.40	-39.68	Peak	
2	5725.0000	55.14	18.69	73.83	122.20	-48.37	Peak	
3 *	5743.4000	96.12	18.75	114.87	122.20	-7.33	Peak	No Limit

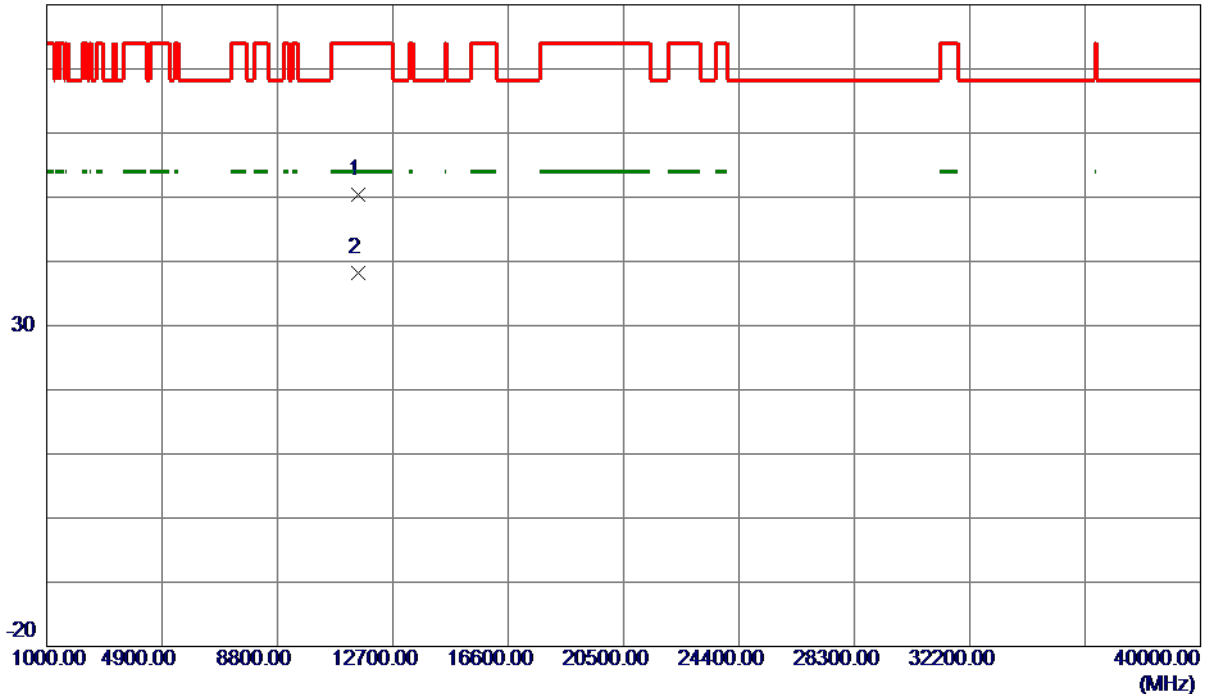
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE40) Mode 5755 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11508.9900	33.22	17.18	50.40	74.00	-23.60	Peak	
2 *	11509.7550	20.95	17.18	38.13	54.00	-15.87	AVG	

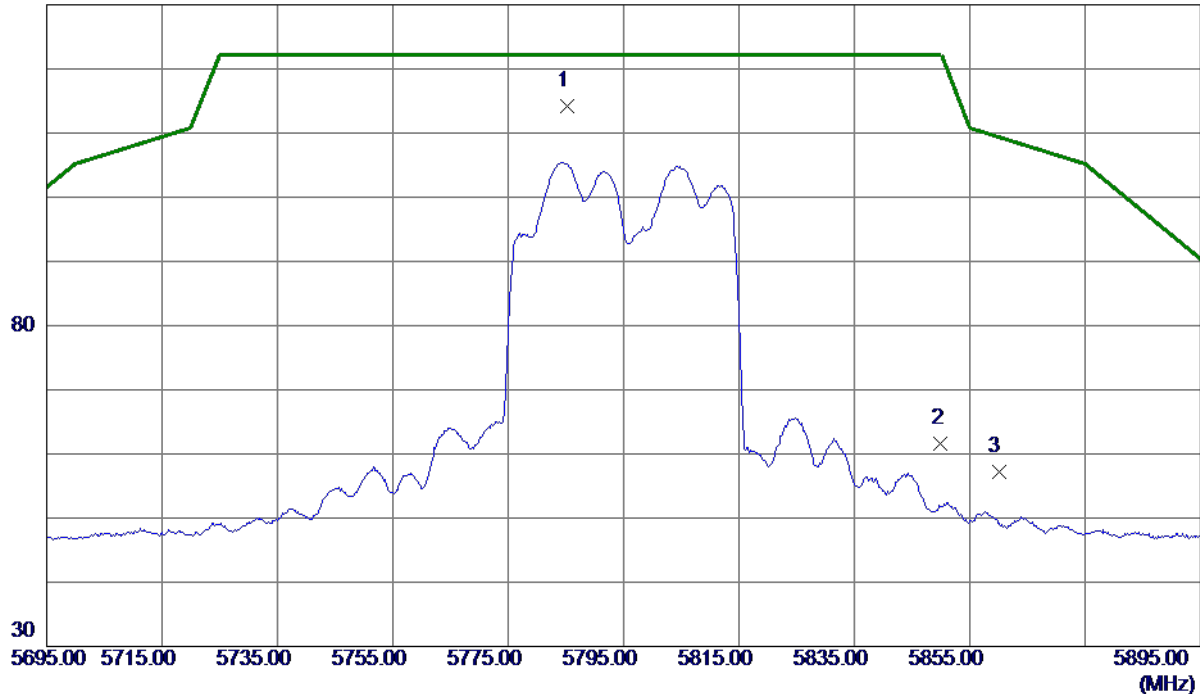
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE40) Mode 5795 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5785.2000	95.37	18.88	114.25	122.20	-7.95	Peak	No Limit
2	5850.0000	42.53	19.09	61.62	122.20	-60.58	Peak	
3	5860.0000	38.02	19.13	57.15	109.40	-52.25	Peak	

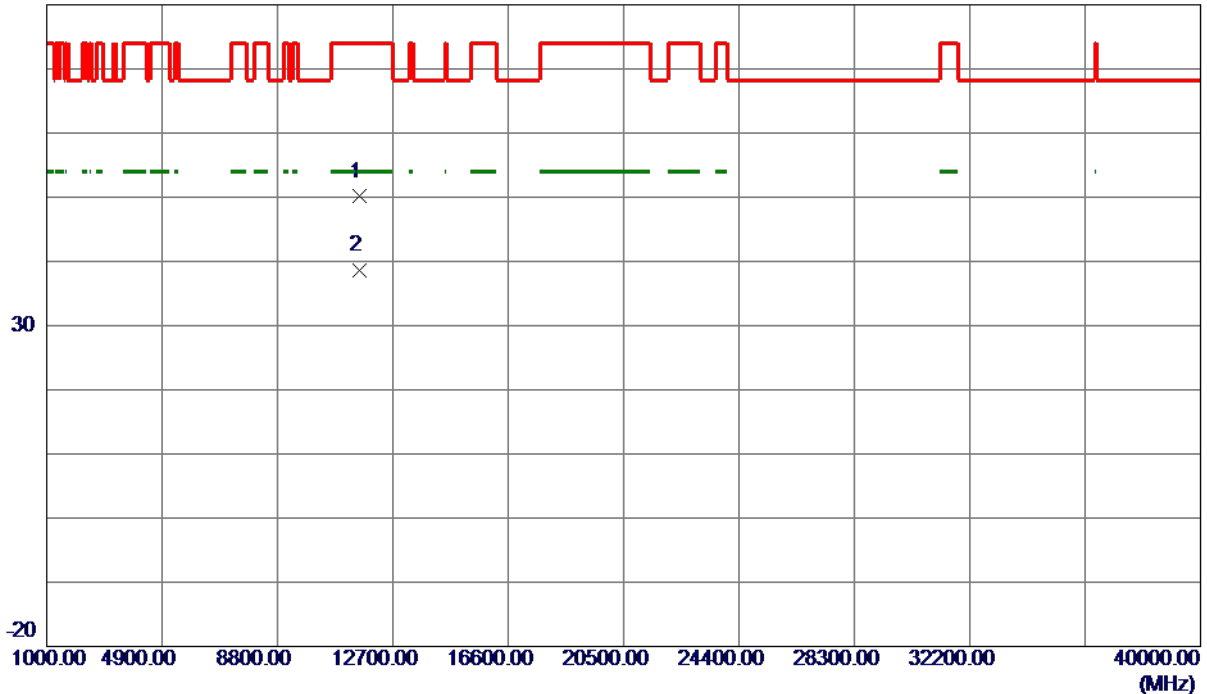
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE40) Mode 5795 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11589.6400	32.89	17.21	50.10	74.00	-23.90	Peak	
2 *	11589.8050	21.30	17.21	38.51	54.00	-15.49	AVG	

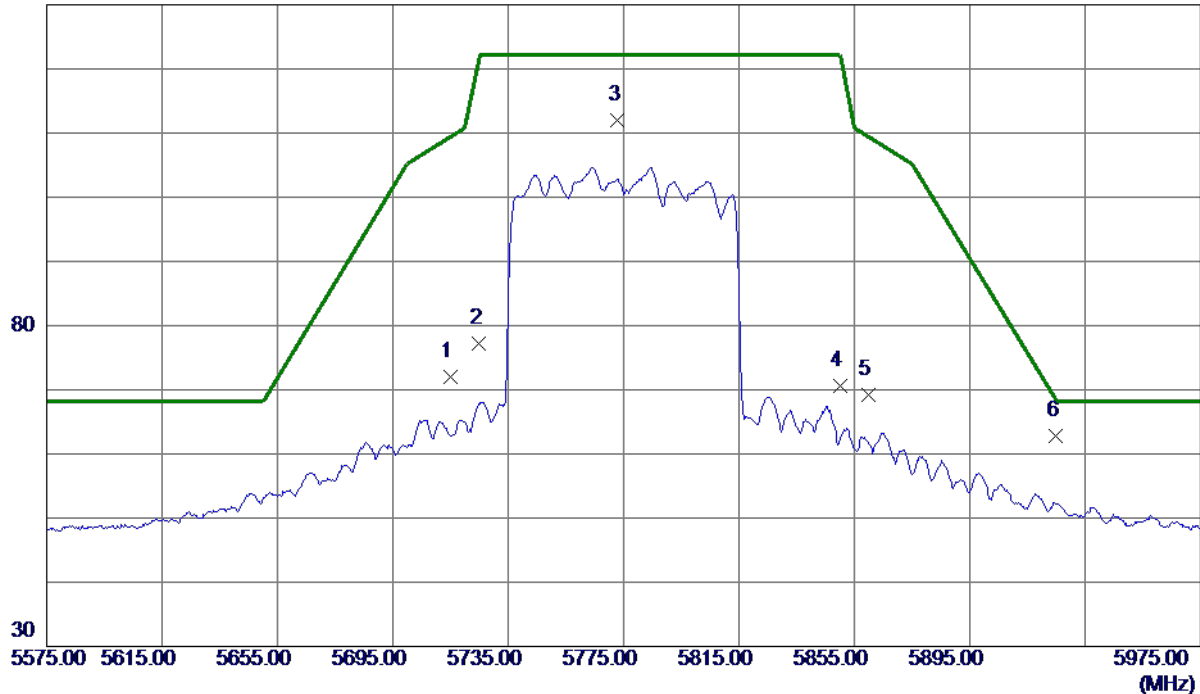
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE80) Mode 5775 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	53.30	18.65	71.95	109.40	-37.45	Peak	
2	5725.0000	58.47	18.69	77.16	122.20	-45.04	Peak	
3	5773.0000	93.25	18.84	112.09	122.20	-10.11	Peak	No Limit
4	5850.0000	51.48	19.09	70.57	122.20	-51.63	Peak	
5	5860.0000	50.15	19.13	69.28	109.40	-40.12	Peak	
6 *	5925.0000	43.40	19.34	62.74	68.20	-5.46	Peak	

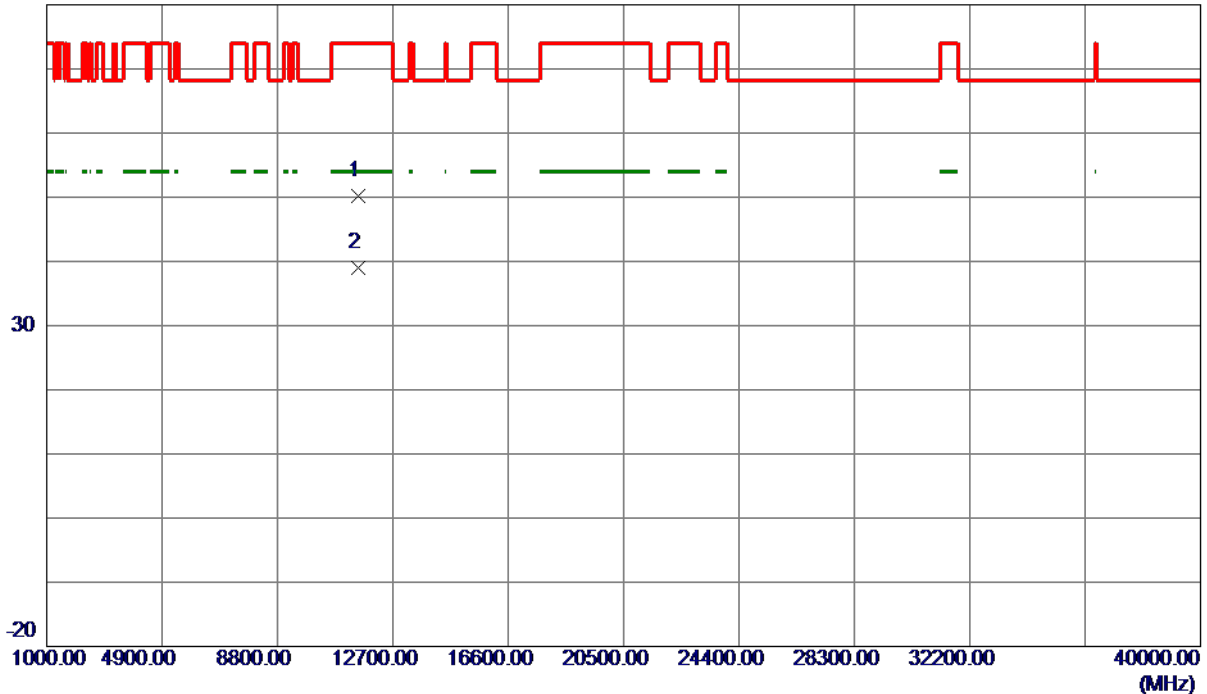
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE80) Mode 5775 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11549.7250	32.95	17.20	50.15	74.00	-23.85	Peak	
2 *	11549.8900	21.80	17.20	39.00	54.00	-15.00	AVG	

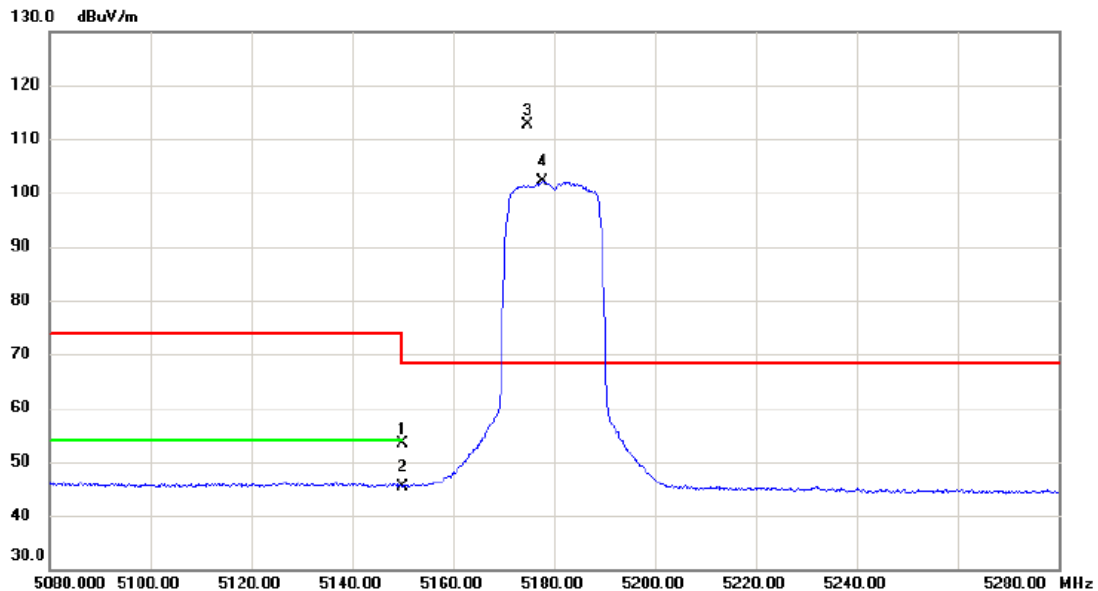
REMARKS:

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

Beamforming

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

Vertical

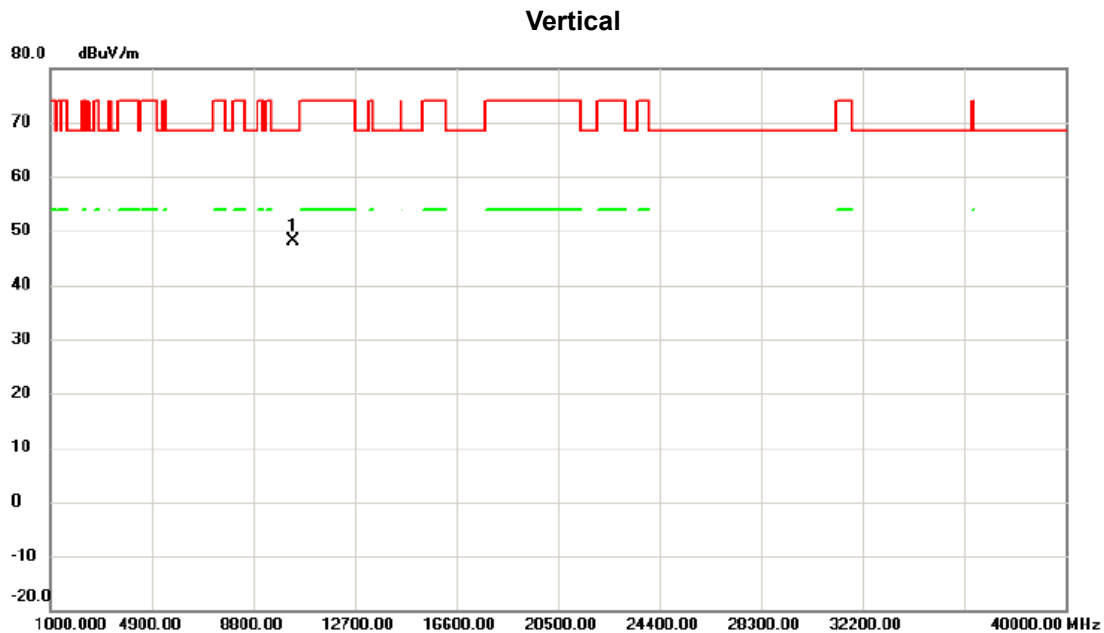


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	36.14	17.26	53.40	74.00	-20.60	peak	
2		5150.000	28.19	17.26	45.45	54.00	-8.55	AVG	
3	*	5174.800	95.39	17.30	112.69	68.30	44.39	peak	No Limit
4	X	5177.800	84.83	17.32	102.15	68.30	33.85	AVG	No Limit

REMARKS:

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

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

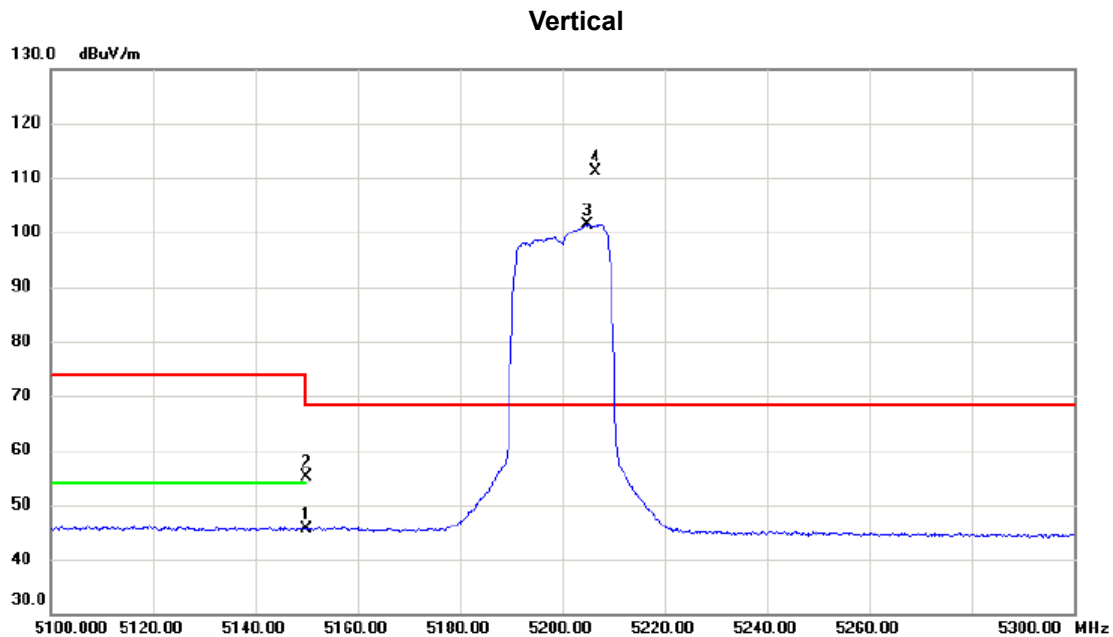


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10357.840	33.54	14.62	48.16	68.30	-20.14	peak	

REMARKS:

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

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



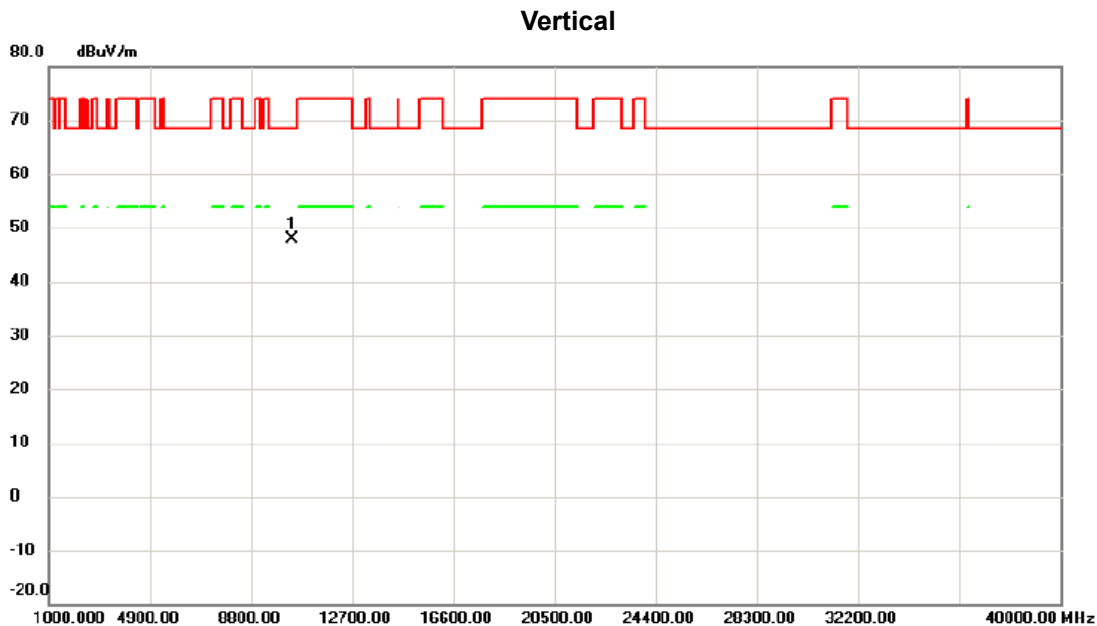
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	28.33	17.26	45.59	74.00	-28.41	peak	
2		5150.000	37.80	17.26	55.06	74.00	-18.94	peak	
3	X	5204.800	84.02	17.36	101.38	68.30	33.08	peak	No Limit
4	*	5206.600	93.72	17.37	111.09	68.30	42.79	peak	No Limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value – Limit Value.

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

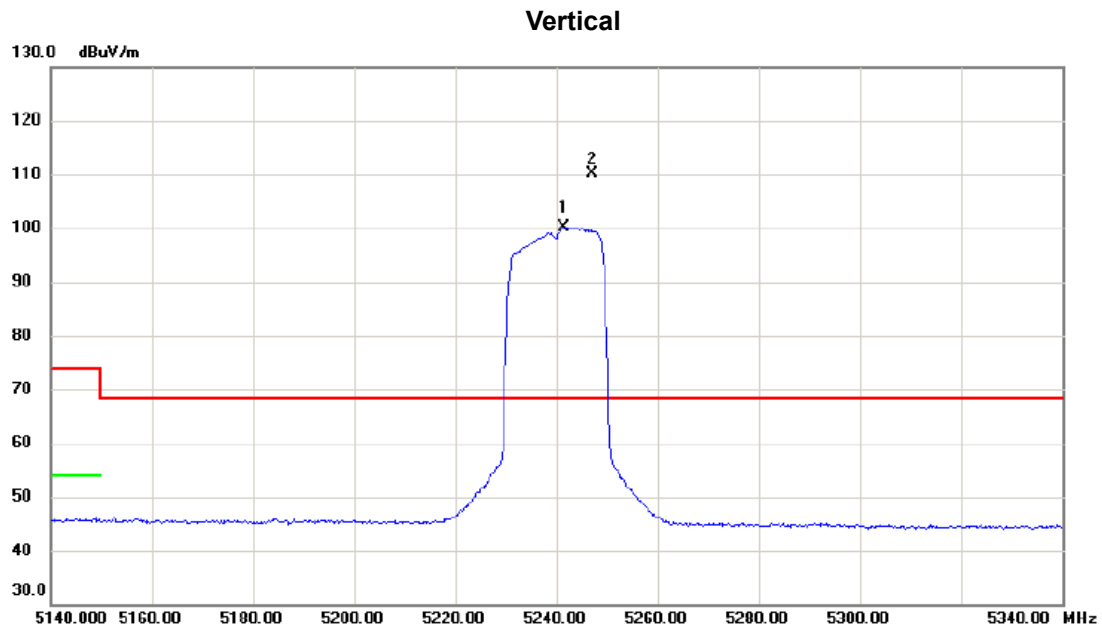


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10398.050	33.08	14.69	47.77	68.30	-20.53	peak	

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

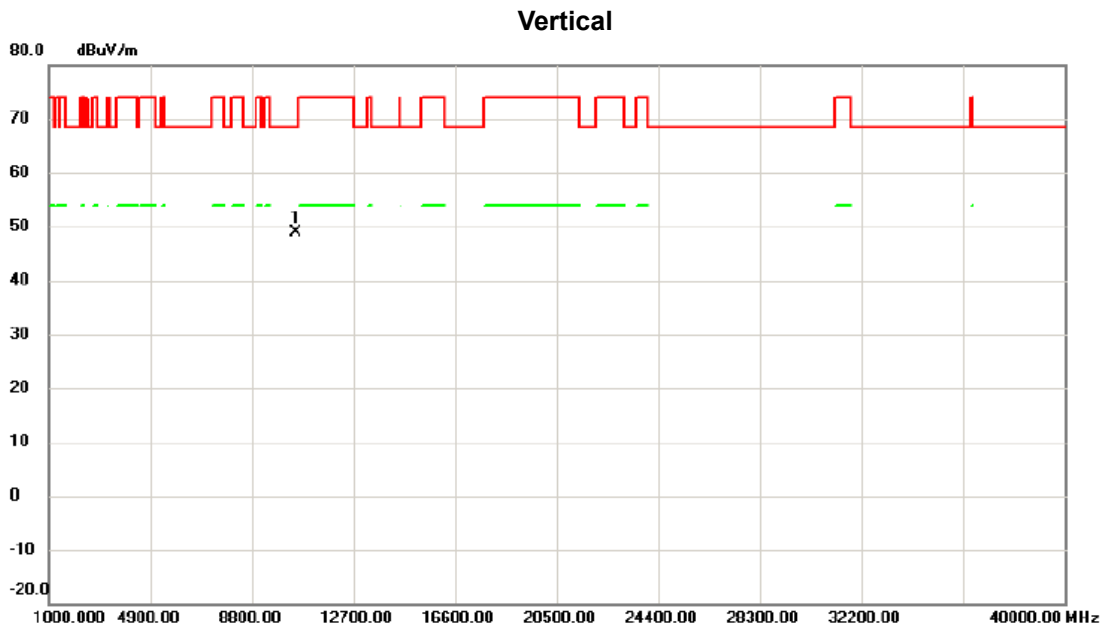


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5241.400	82.69	17.44	100.13	68.30	31.83	AVG	No Limit
2	*	5247.200	92.57	17.45	110.02	68.30	41.72	peak	No Limit

REMARKS:

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

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

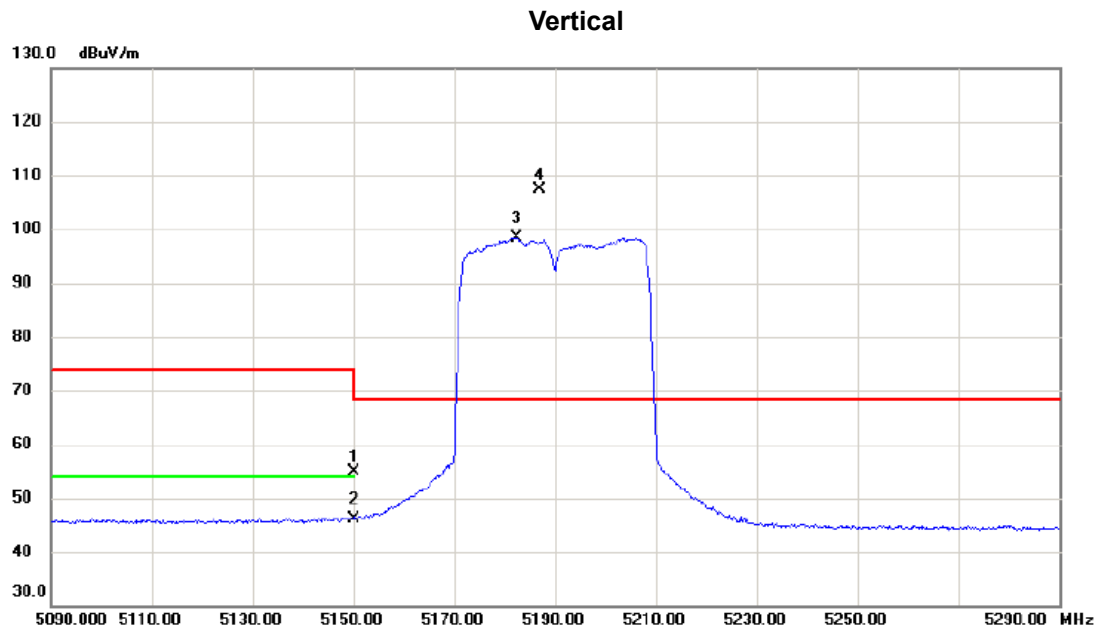


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10479.740	34.11	14.82	48.93	68.30	-19.37	peak	

REMARKS:

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

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



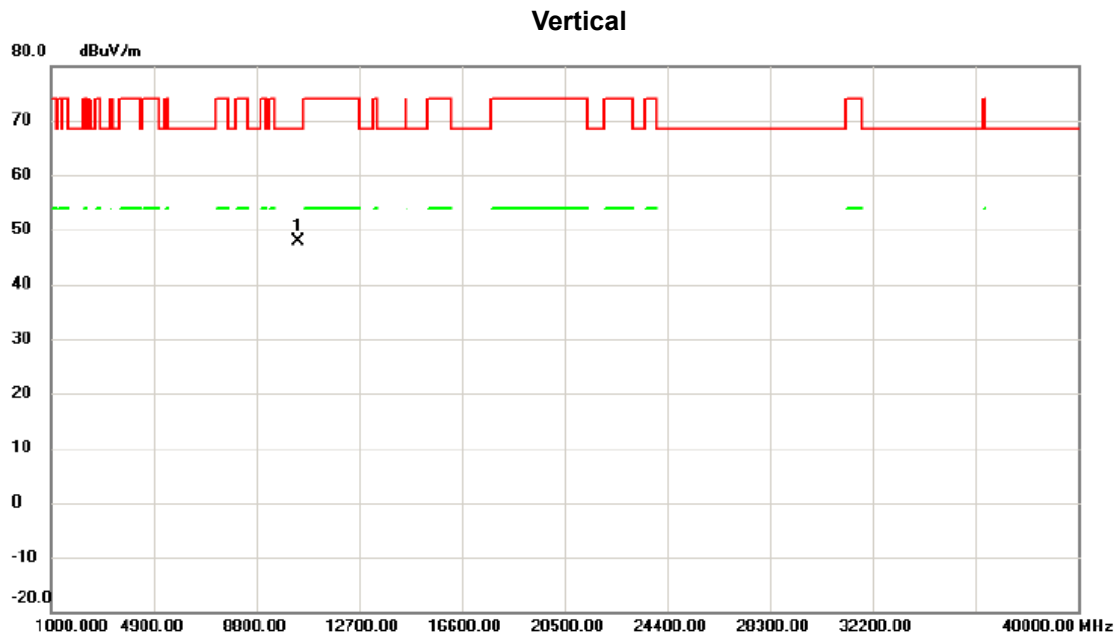
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	37.56	17.26	54.82	74.00	-19.18	peak	
2		5150.000	28.84	17.26	46.10	54.00	-7.90	AVG	
3	X	5182.400	81.14	17.32	98.46	68.30	30.16	AVG	No Limit
4	*	5187.000	90.16	17.34	107.50	68.30	39.20	peak	No Limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value – Limit Value.

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

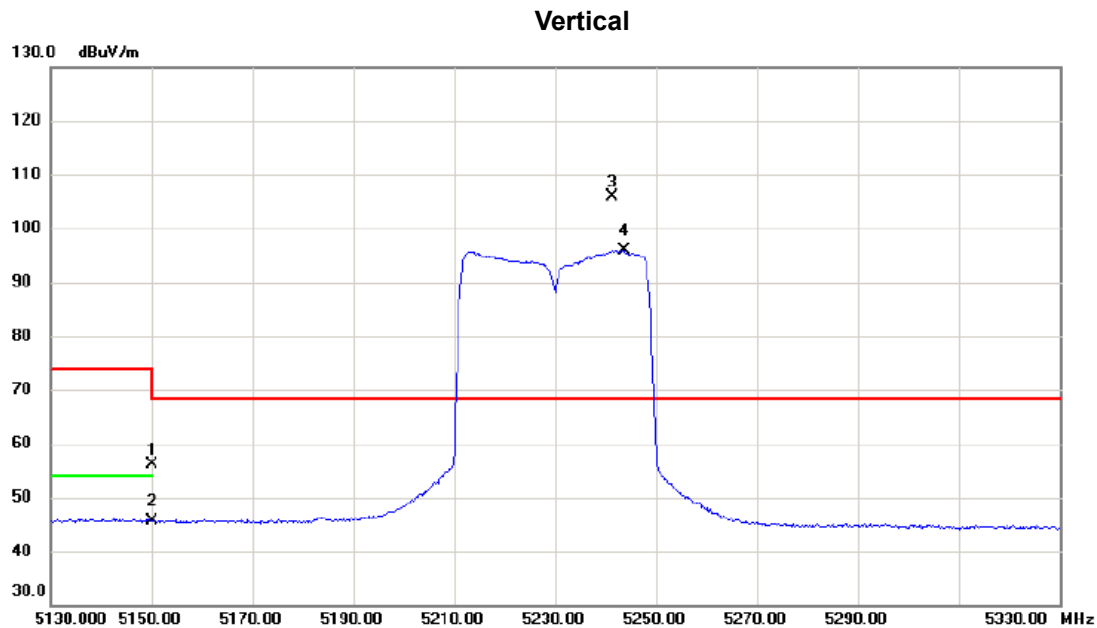


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.260	33.22	14.65	47.87	68.30	-20.43	peak	

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

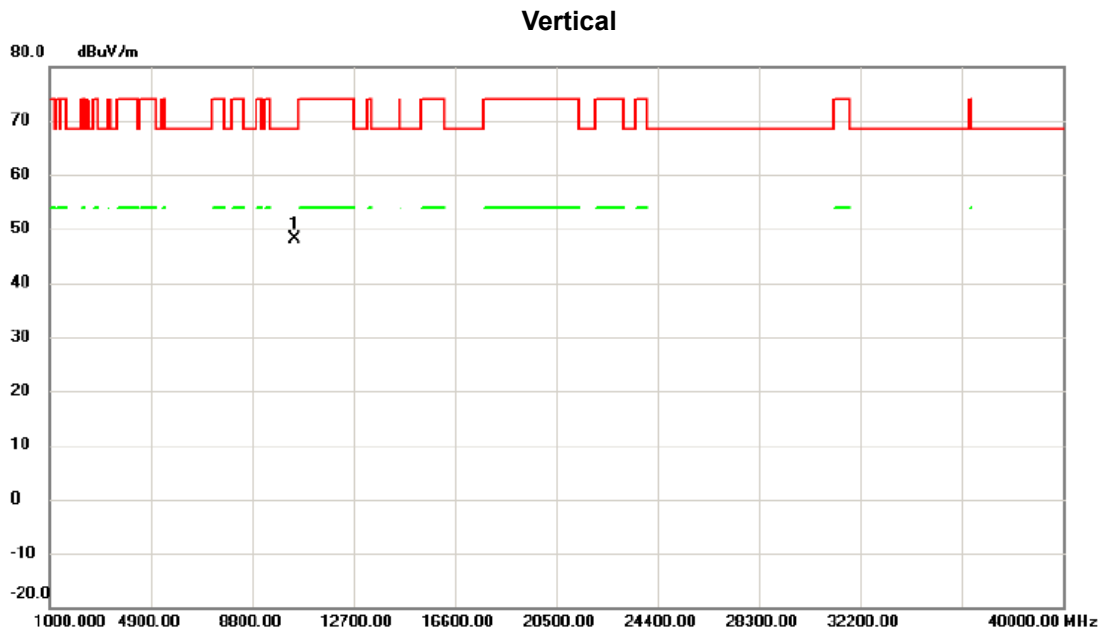


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	38.78	17.26	56.04	74.00	-17.96	peak	
2		5150.000	28.30	17.26	45.56	54.00	-8.44	AVG	
3	*	5241.400	88.51	17.44	105.95	68.30	37.65	peak	No Limit
4	X	5243.600	78.51	17.44	95.95	68.30	27.65	AVG	No Limit

REMARKS:

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

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

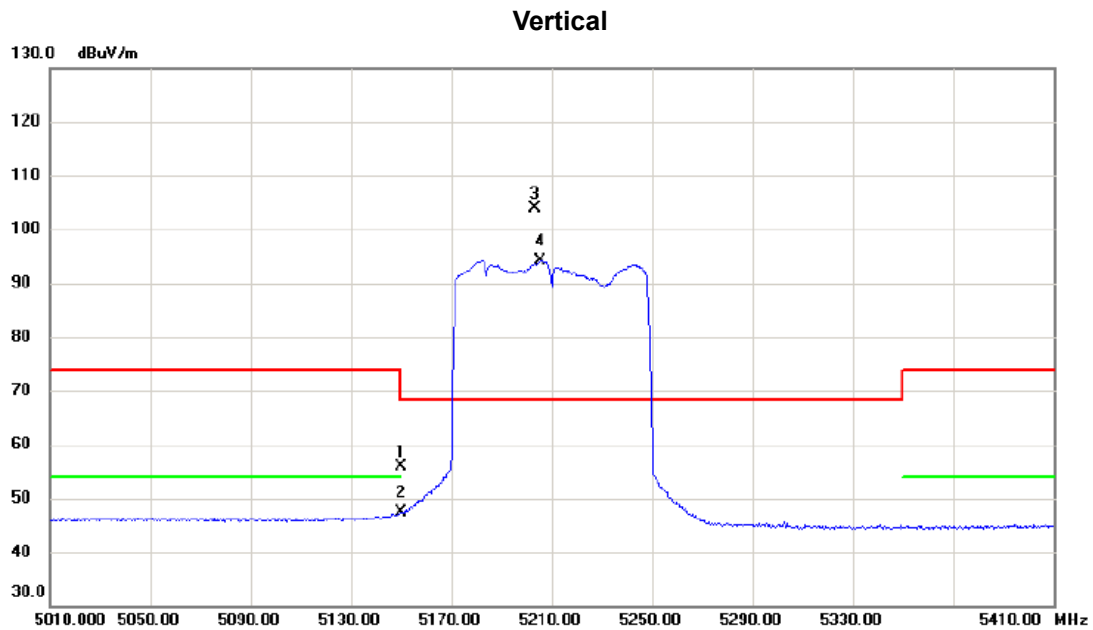


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10459.740	33.25	14.80	48.05	68.30	-20.25	peak	

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

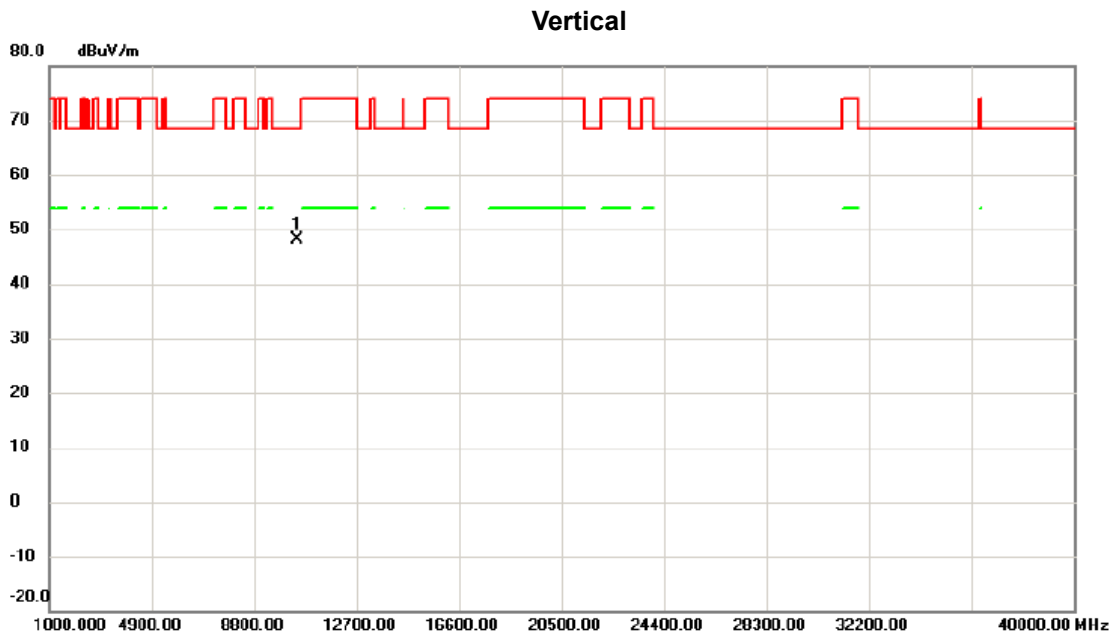


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.000	38.57	17.26	55.83	74.00	-18.17	peak	
2	5150.000	30.19	17.26	47.45	54.00	-6.55	AVG	
3 *	5203.200	86.43	17.36	103.79	68.30	35.49	peak	No Limit
4 X	5205.600	76.71	17.37	94.08	68.30	25.78	AVG	No Limit

REMARKS:

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

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

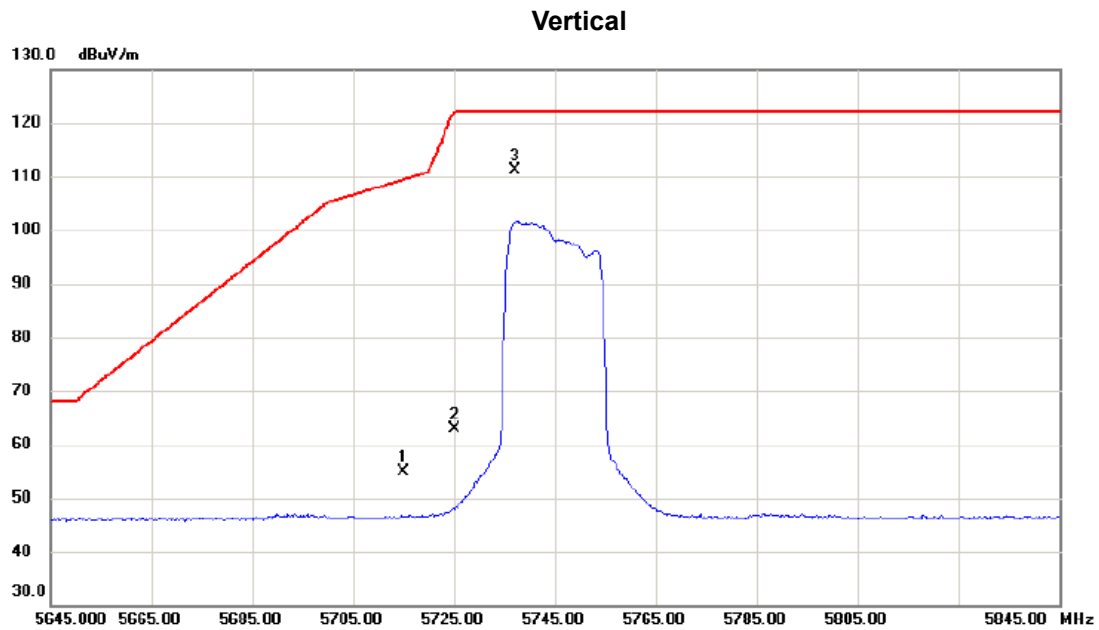


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.665	33.46	14.73	48.19	68.30	-20.11	peak	

REMARKS:

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

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

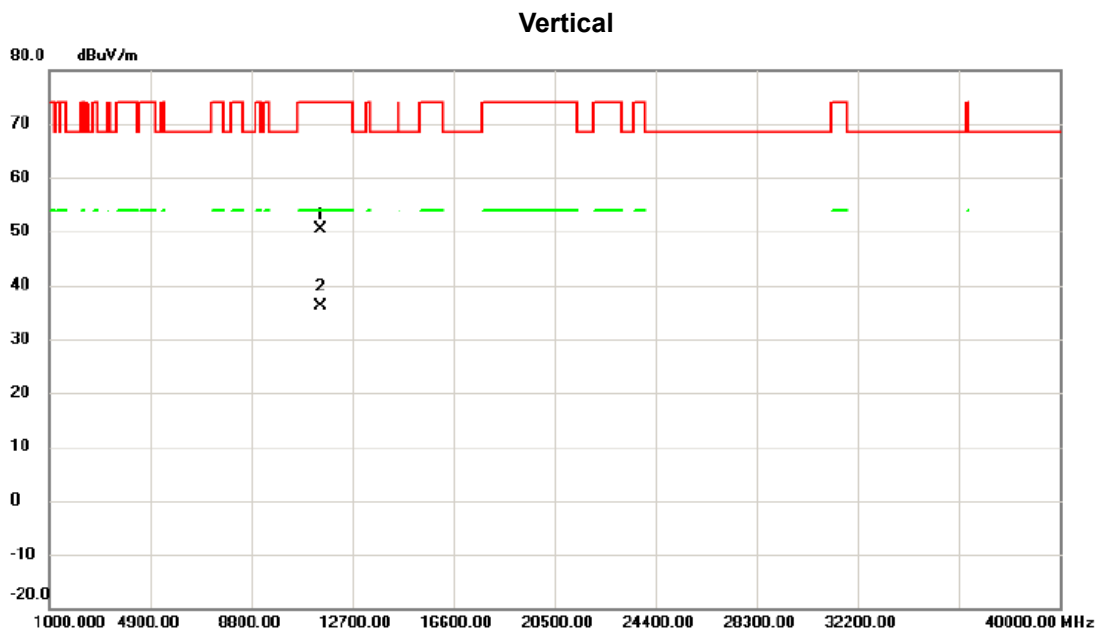


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	36.17	18.66	54.83	109.40	-54.57	peak	
2		5725.000	44.25	18.69	62.94	122.20	-59.26	peak	
3	*	5737.200	92.44	18.73	111.17	122.20	-11.03	peak	No Limit

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

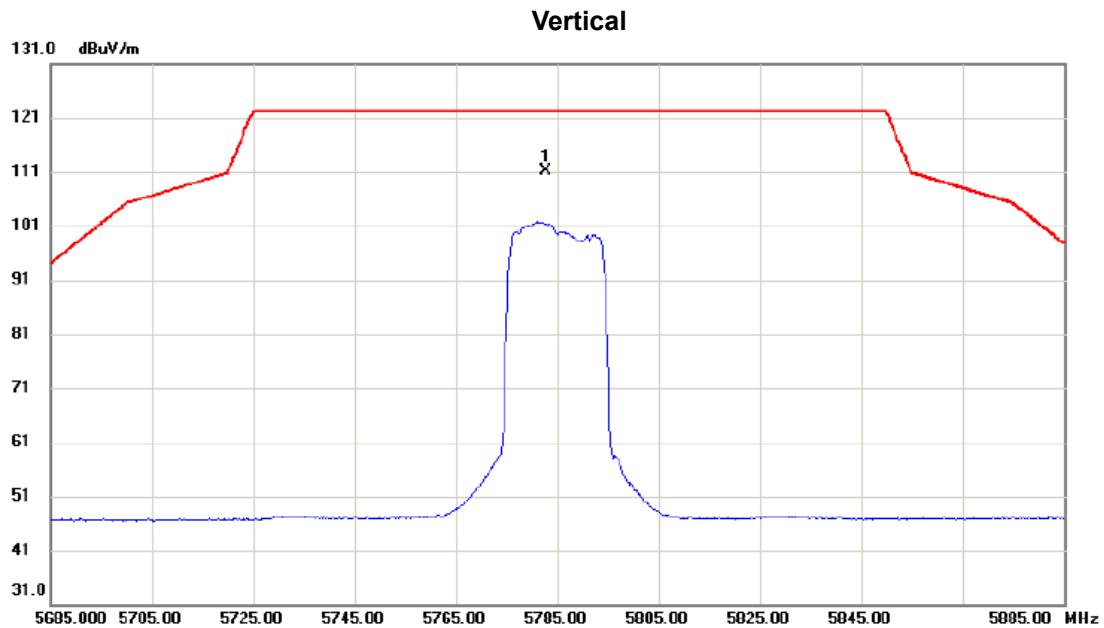


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11487.510	33.34	17.16	50.50	74.00	-23.50	peak	
2	*	11491.280	19.08	17.16	36.24	54.00	-17.76	AVG	

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 5785 MHz

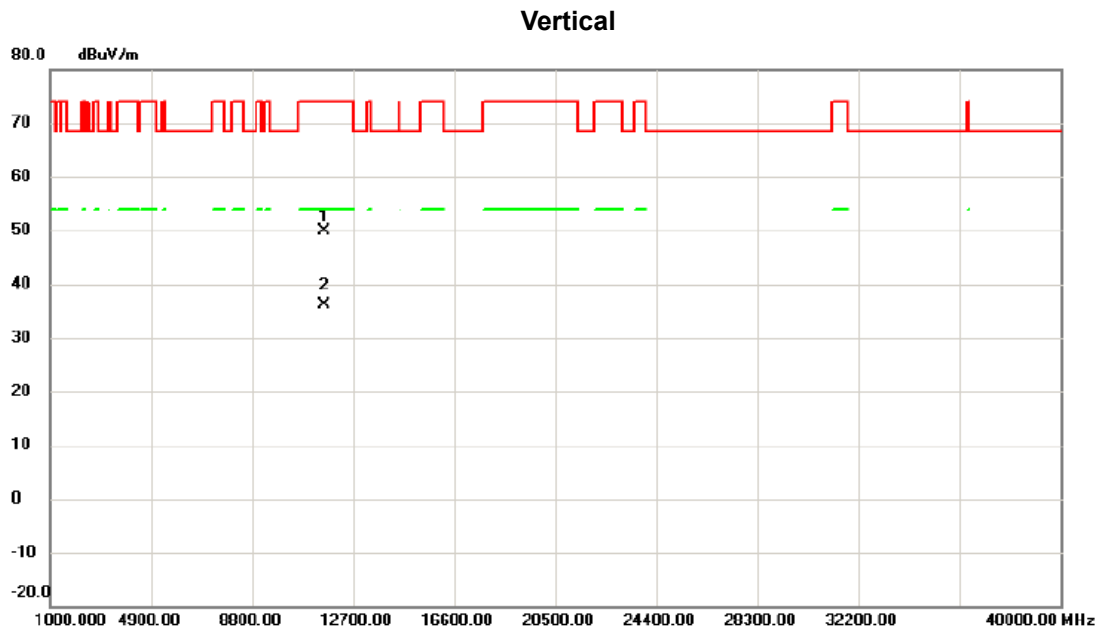


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5782.800	92.15	18.88	111.03	122.20	-11.17	peak	No Limit

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

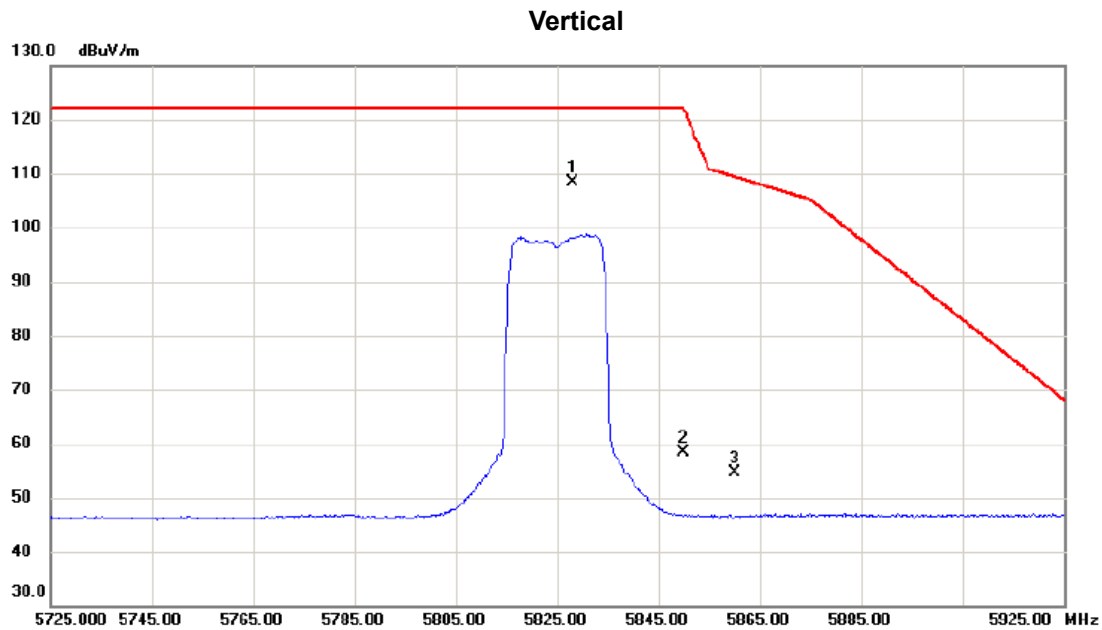


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11570.615	32.70	17.20	49.90	74.00	-24.10	peak	
2	*	11571.320	18.94	17.20	36.14	54.00	-17.86	AVG	

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



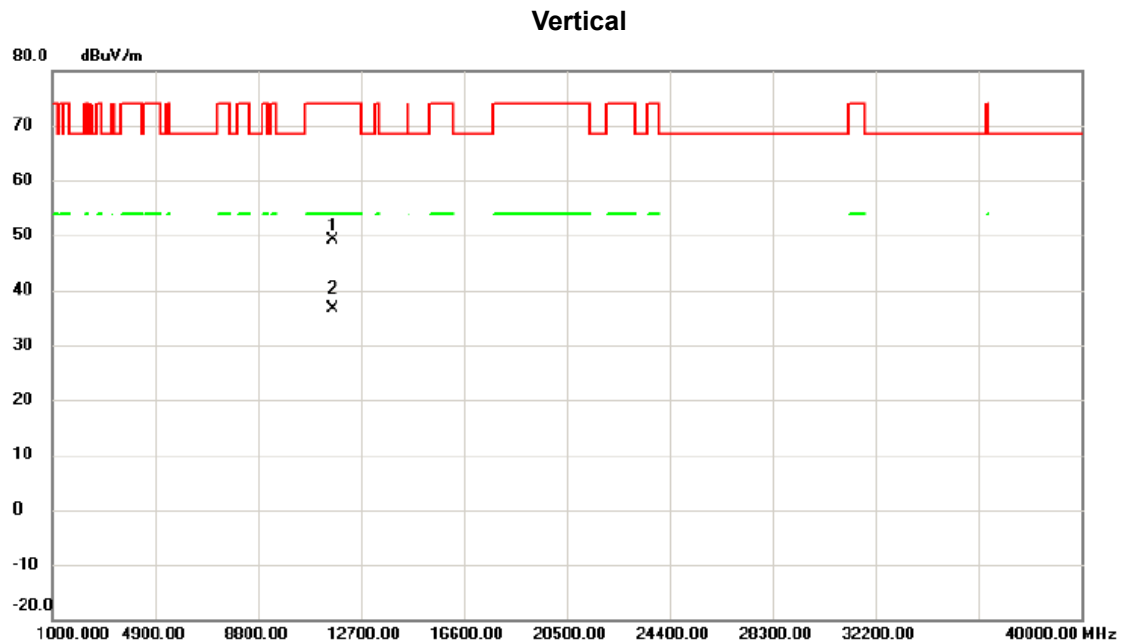
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5828.200	89.32	19.02	108.34	122.20	-13.86	peak	No Limit
2		5850.000	39.26	19.09	58.35	122.20	-63.85	peak	
3		5860.000	35.59	19.12	54.71	109.40	-54.69	peak	

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

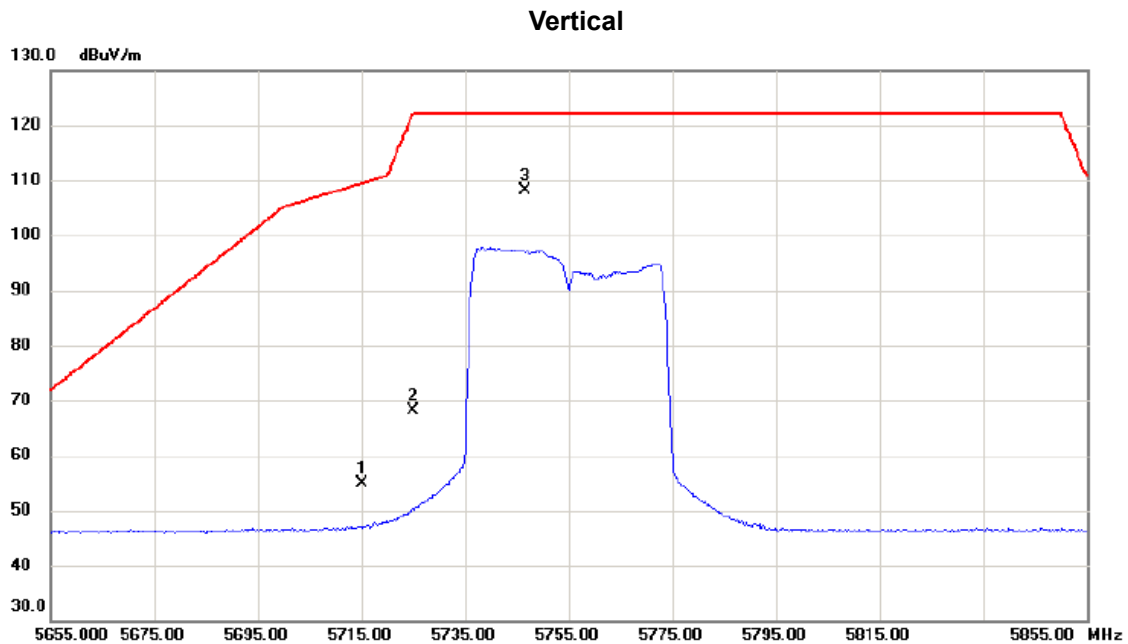


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11649.205	31.83	17.22	49.05	74.00	-24.95	peak	
2	*	11649.635	19.51	17.22	36.73	54.00	-17.27	AVG	

REMARKS:

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

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

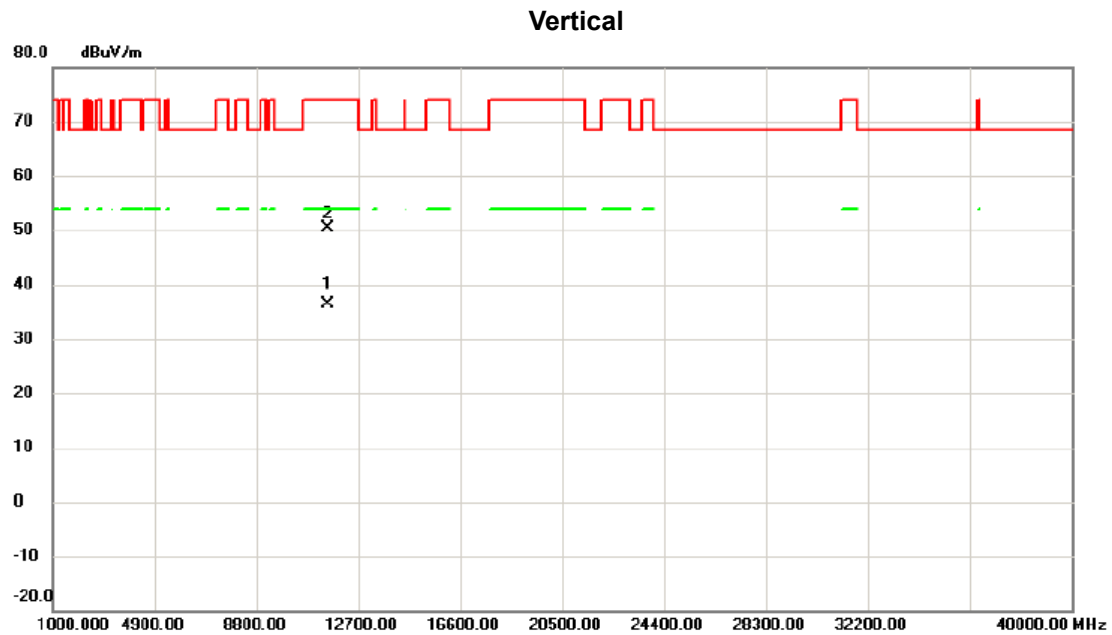


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	36.10	18.66	54.76	109.40	-54.64	peak	
2		5725.000	49.51	18.69	68.20	122.20	-54.00	peak	
3 *		5746.600	89.33	18.76	108.09	122.20	-14.11	peak	No Limit

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

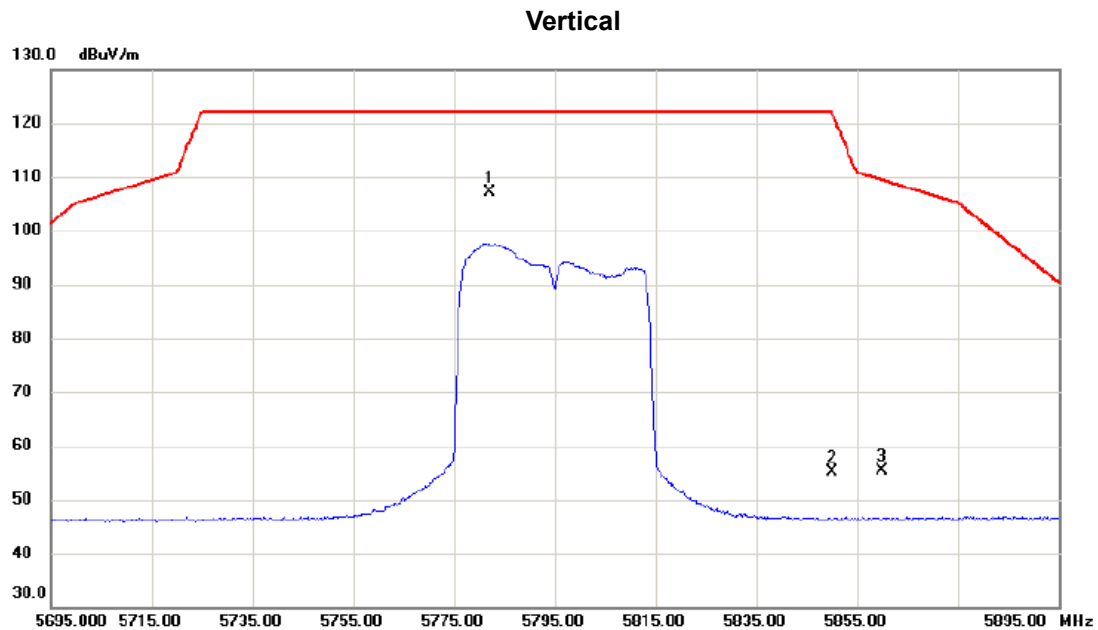


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	11507.995	19.21	17.18	36.39	54.00	-17.61	AVG	
2		11509.395	33.31	17.18	50.49	74.00	-23.51	peak	

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



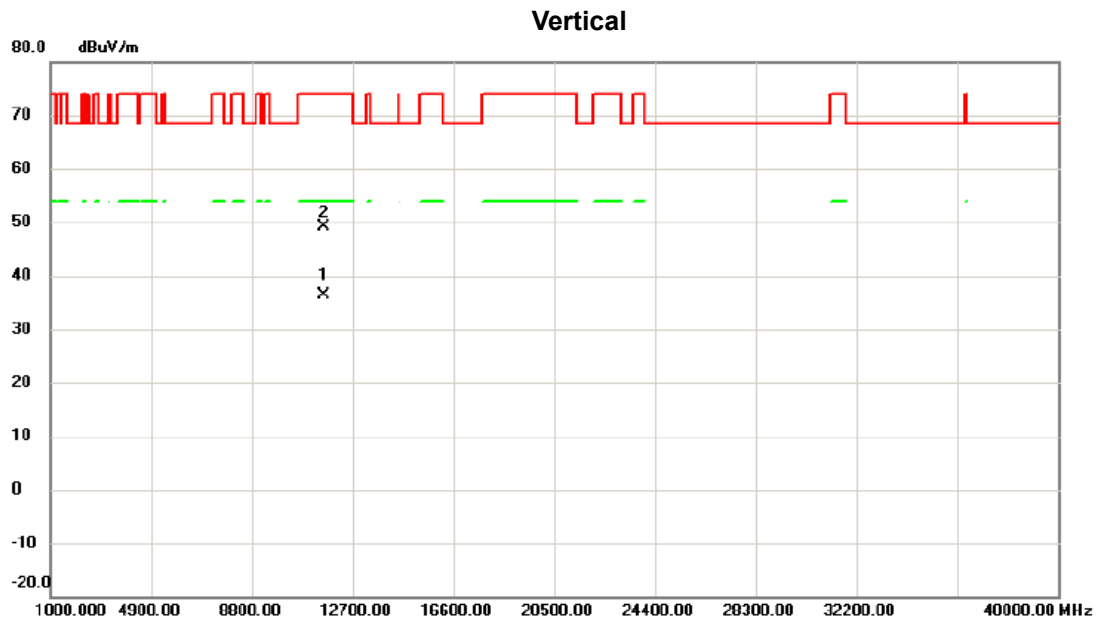
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5782.000	88.26	18.88	107.14	122.20	-15.06	peak	No Limit
2		5850.000	35.92	19.09	55.01	122.20	-67.19	peak	
3		5860.000	36.30	19.12	55.42	109.40	-53.98	peak	

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

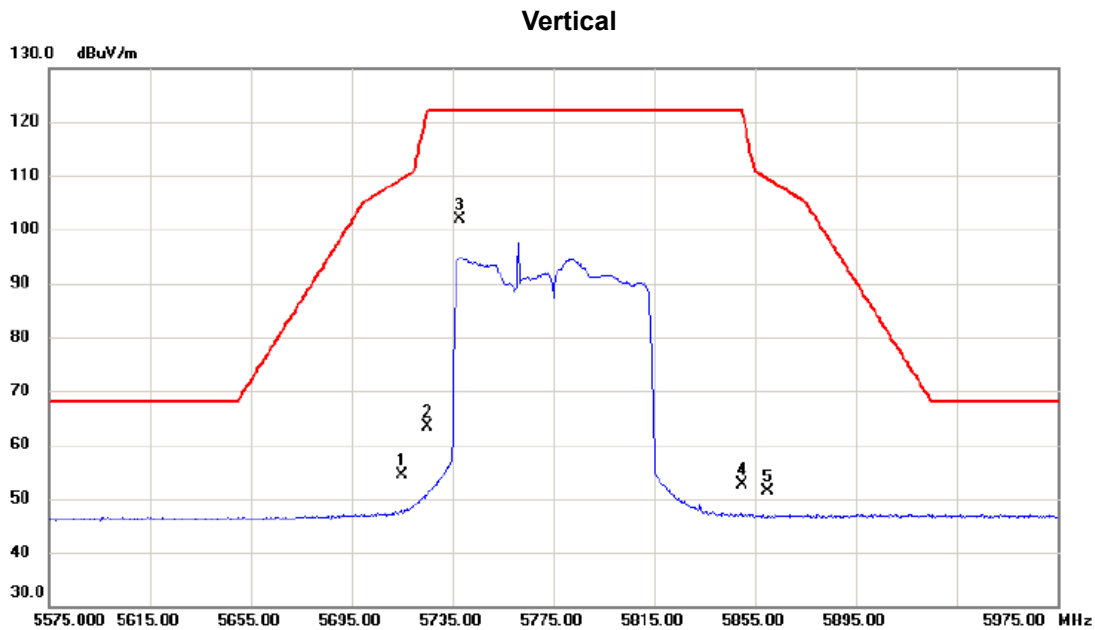


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	11587.925	19.19	17.21	36.40	54.00	-17.60	AVG	
2		11591.880	31.98	17.21	49.19	74.00	-24.81	peak	

REMARKS:

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

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



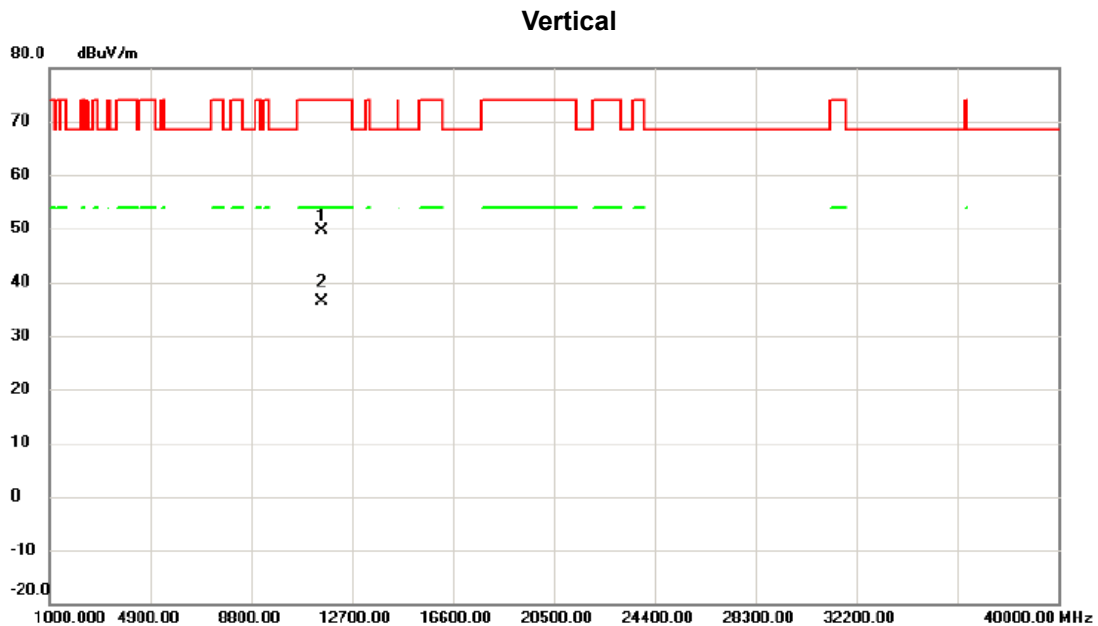
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	35.73	18.66	54.39	109.40	-55.01	peak	
2		5725.000	44.68	18.69	63.37	122.20	-58.83	peak	
3	*	5737.800	83.20	18.73	101.93	122.20	-20.27	peak	No Limit
4		5850.000	33.50	19.09	52.59	122.20	-69.61	peak	
5		5860.000	32.17	19.12	51.29	109.40	-58.11	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value – Limit Value.

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

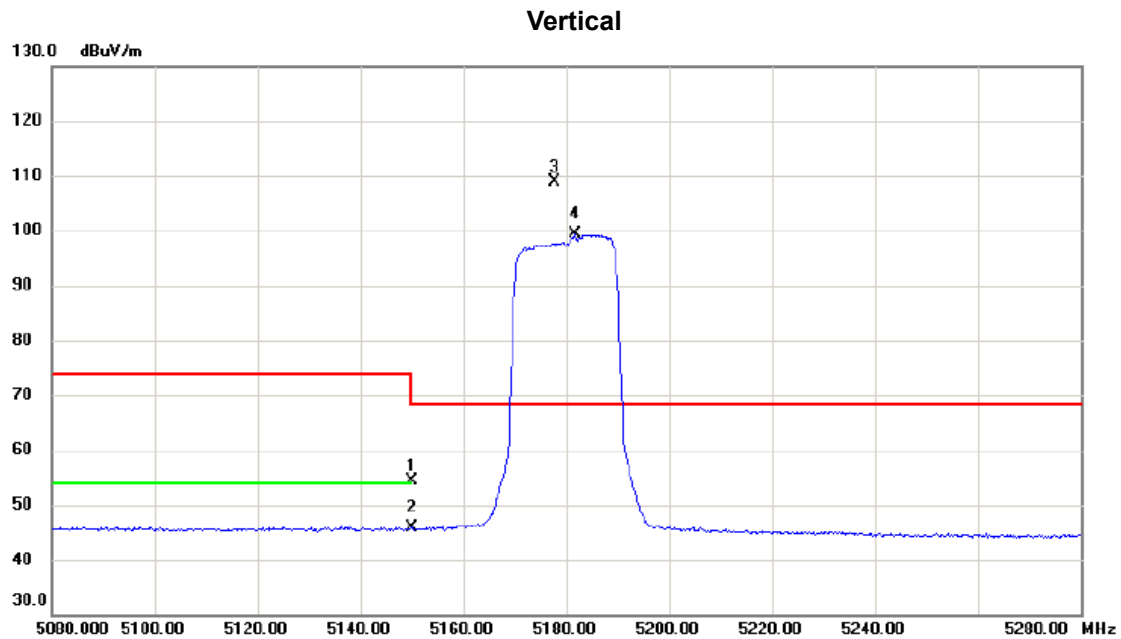


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11548.125	32.32	17.19	49.51	74.00	-24.49	peak	
2 *	11550.330	19.28	17.20	36.48	54.00	-17.52	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz

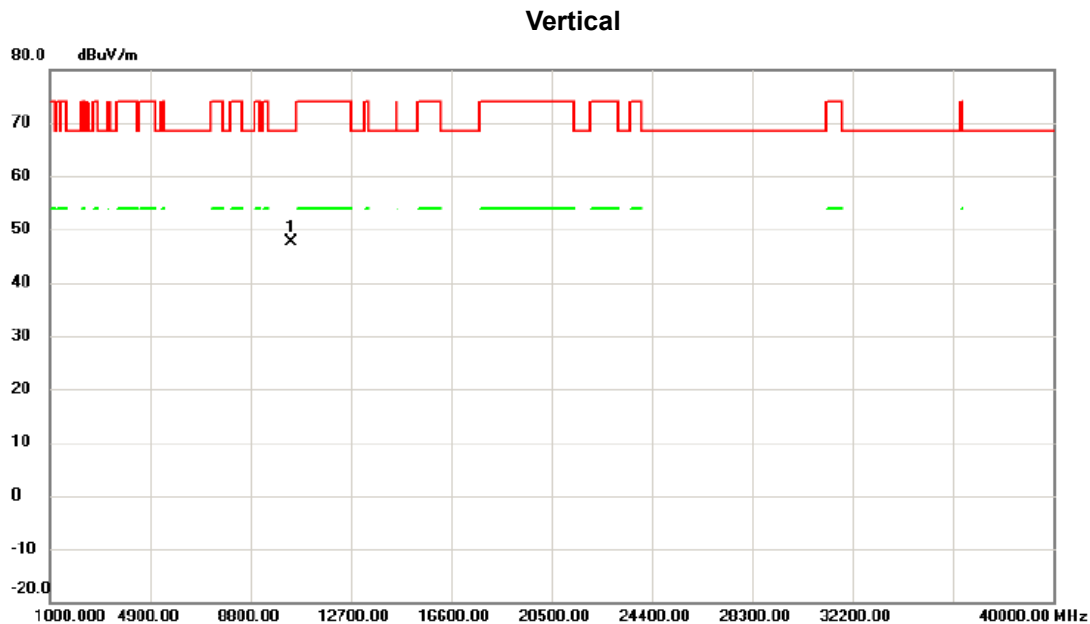


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	37.13	17.26	54.39	74.00	-19.61	peak	
2		5150.000	28.71	17.26	45.97	54.00	-8.03	AVG	
3	*	5177.800	91.67	17.32	108.99	68.30	40.69	peak	No Limit
4	X	5181.600	82.04	17.32	99.36	68.30	31.06	AVG	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz

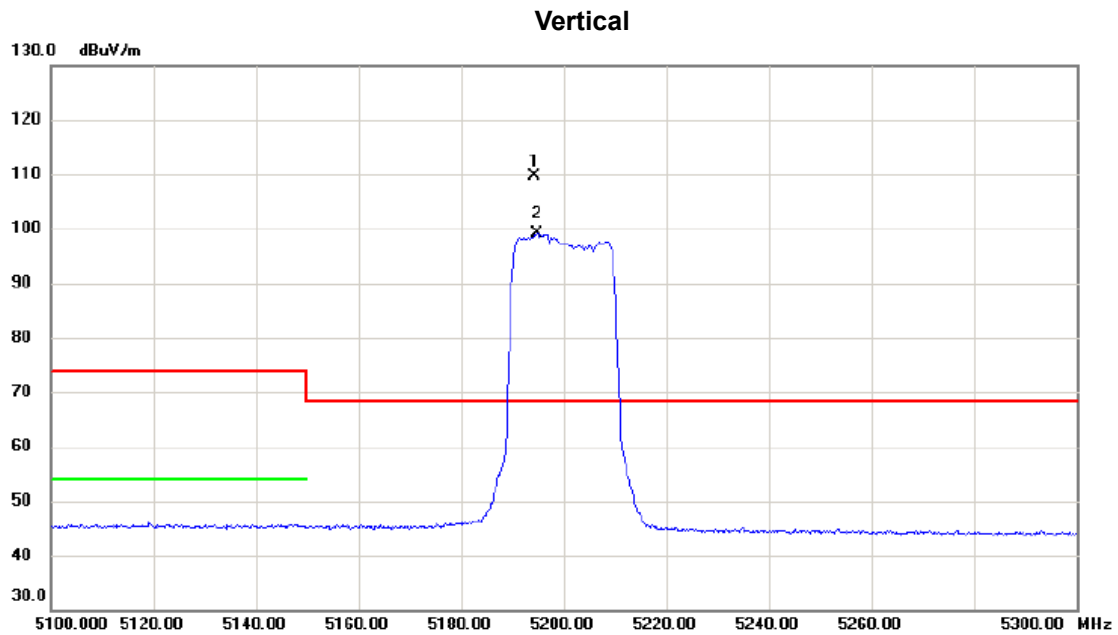


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.335	33.08	14.63	47.71	68.30	-20.59	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz

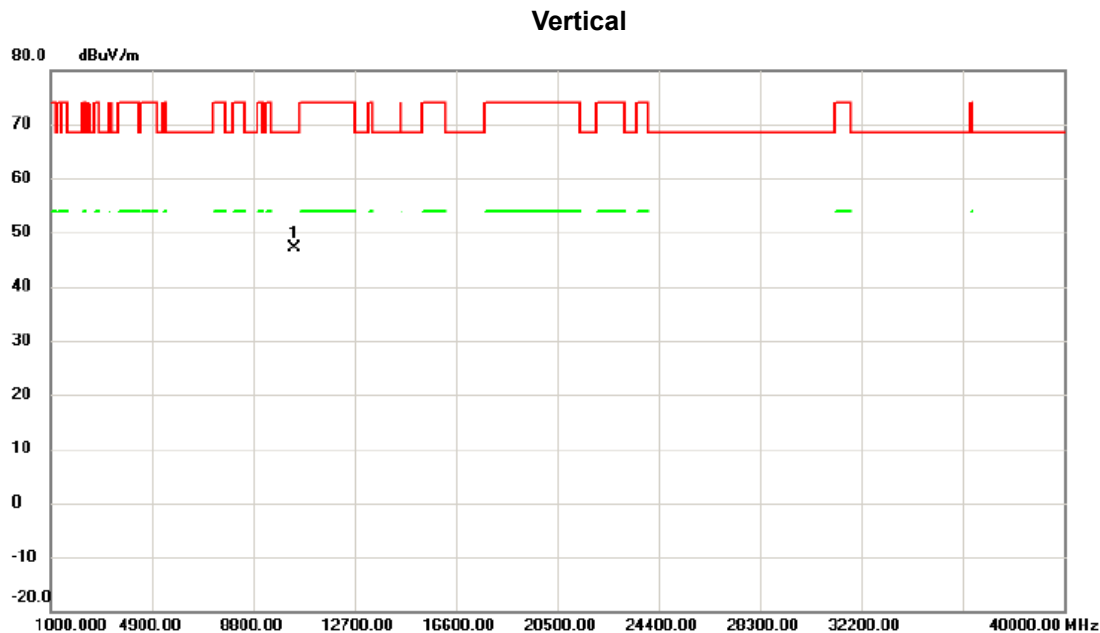


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5194.400	92.24	17.34	109.58	68.30	41.28	peak	No Limit
2	X	5194.800	81.71	17.34	99.05	68.30	30.75	AVG	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz

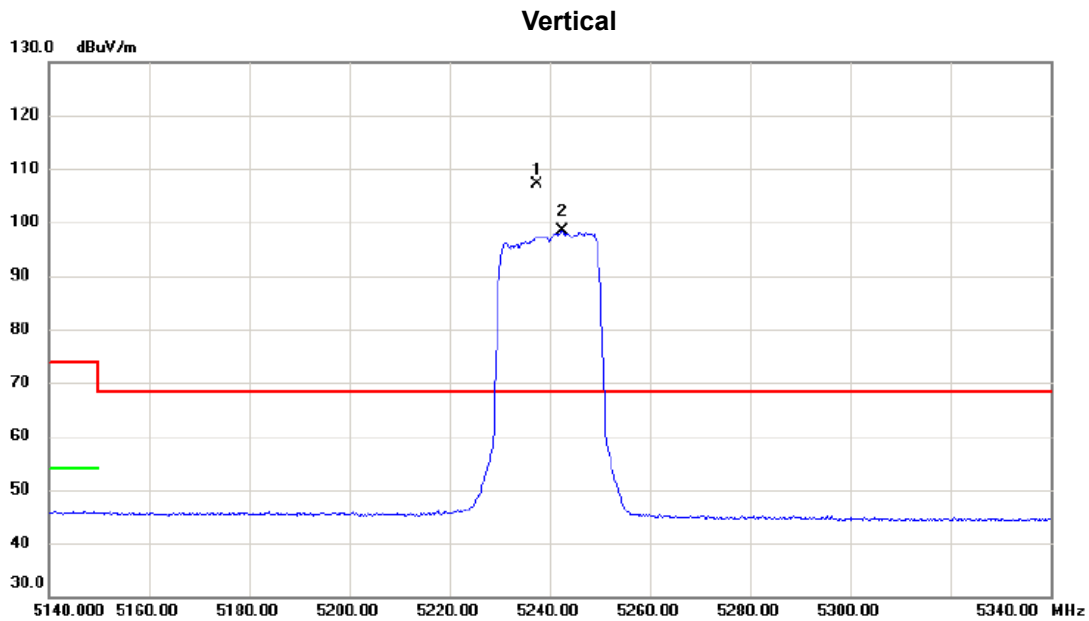


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10401.370	32.55	14.69	47.24	68.30	-21.06	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz



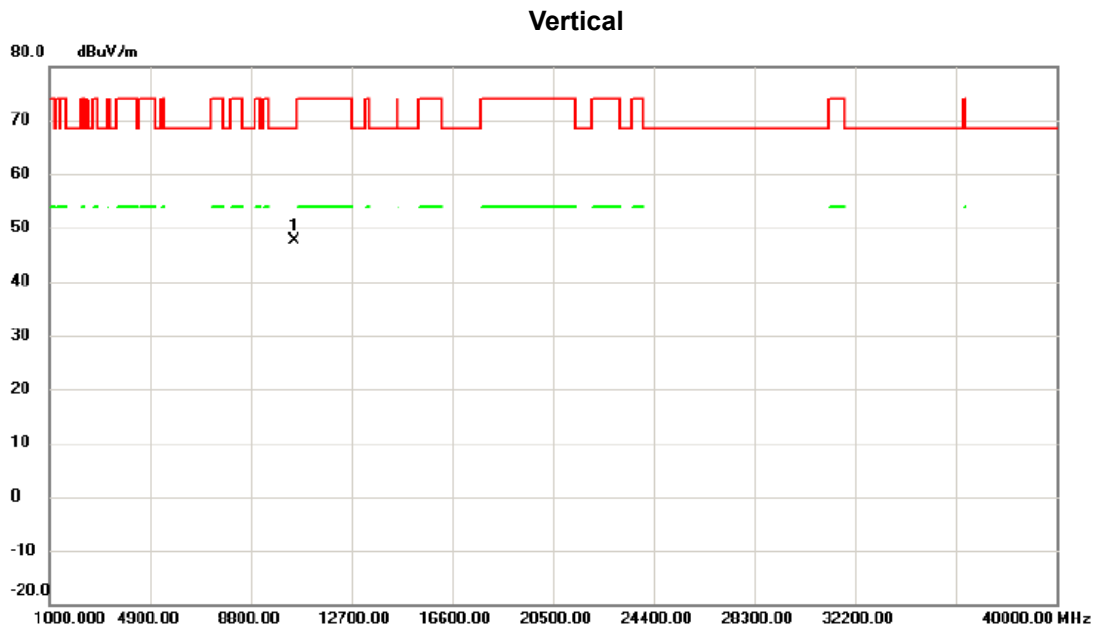
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5237.400	89.72	17.43	107.15	68.30	38.85	peak	No Limit
2	X	5242.600	80.92	17.44	98.36	68.30	30.06	AVG	No Limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value – Limit Value.

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz

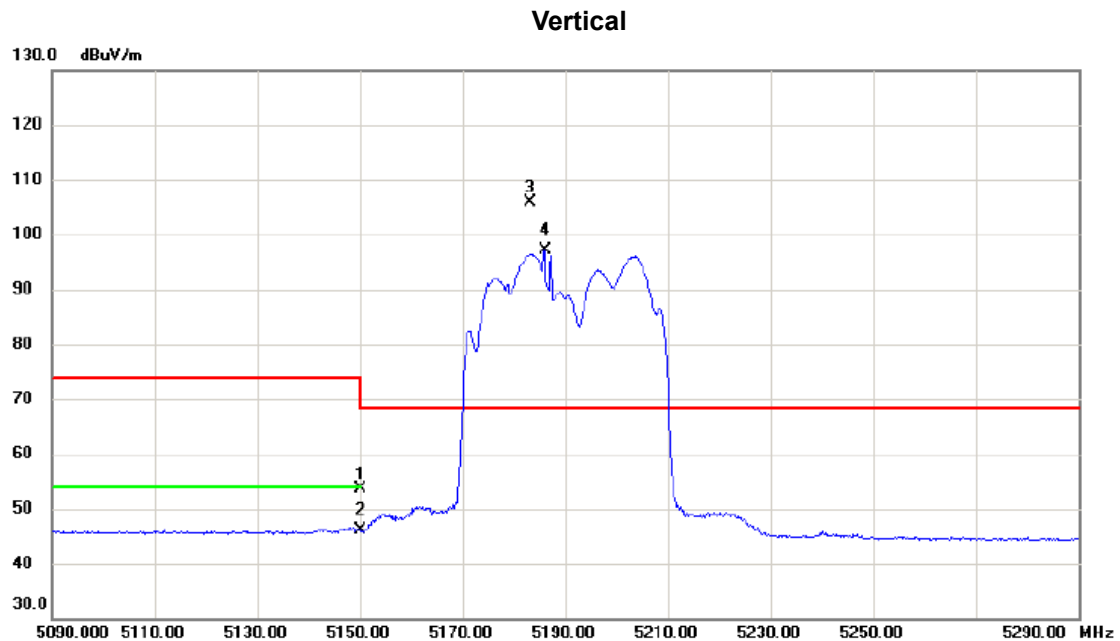


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.040	32.78	14.82	47.60	68.30	-20.70	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz

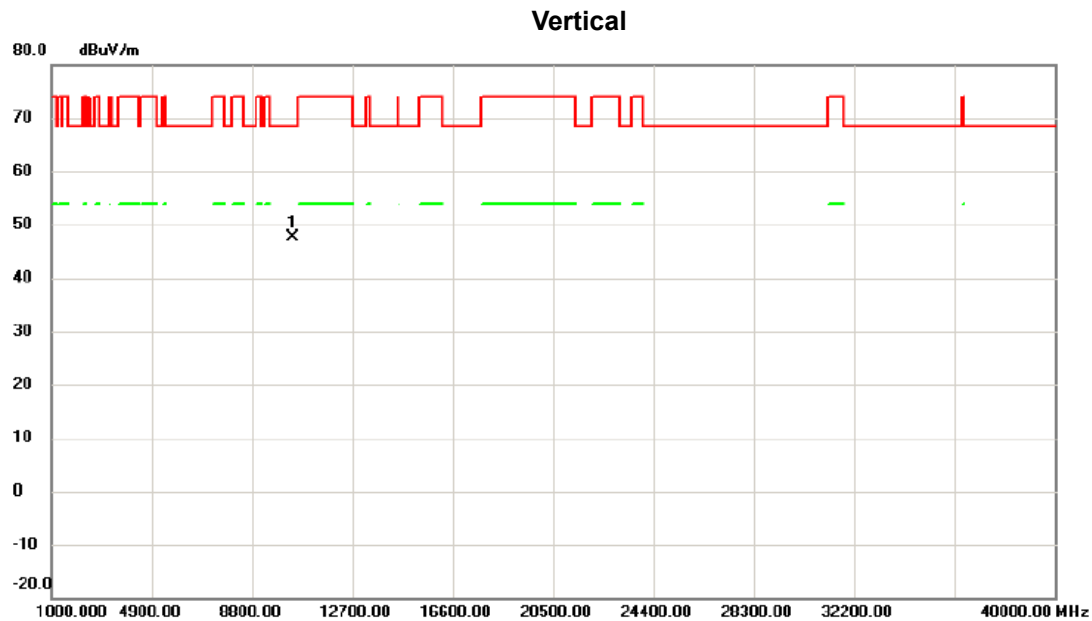


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	36.45	17.26	53.71	74.00	-20.29	peak	
2		5150.000	28.84	17.26	46.10	54.00	-7.90	AVG	
3	*	5183.200	88.52	17.32	105.84	68.30	37.54	peak	No Limit
4	X	5186.000	79.84	17.33	97.17	68.30	28.87	AVG	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz

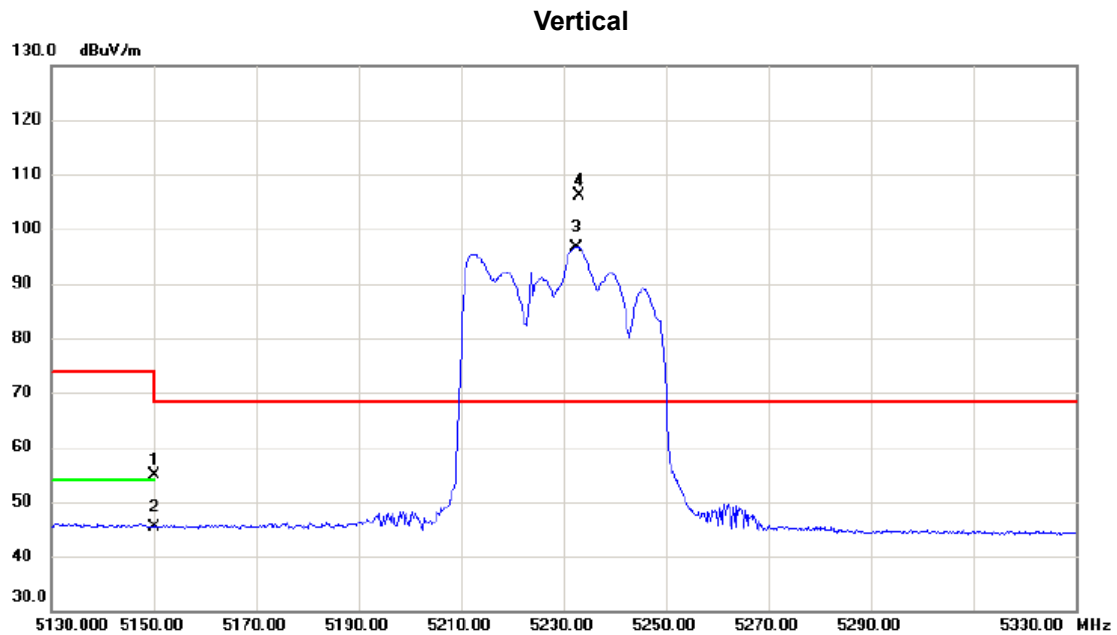


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.640	33.07	14.65	47.72	68.30	-20.58	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz



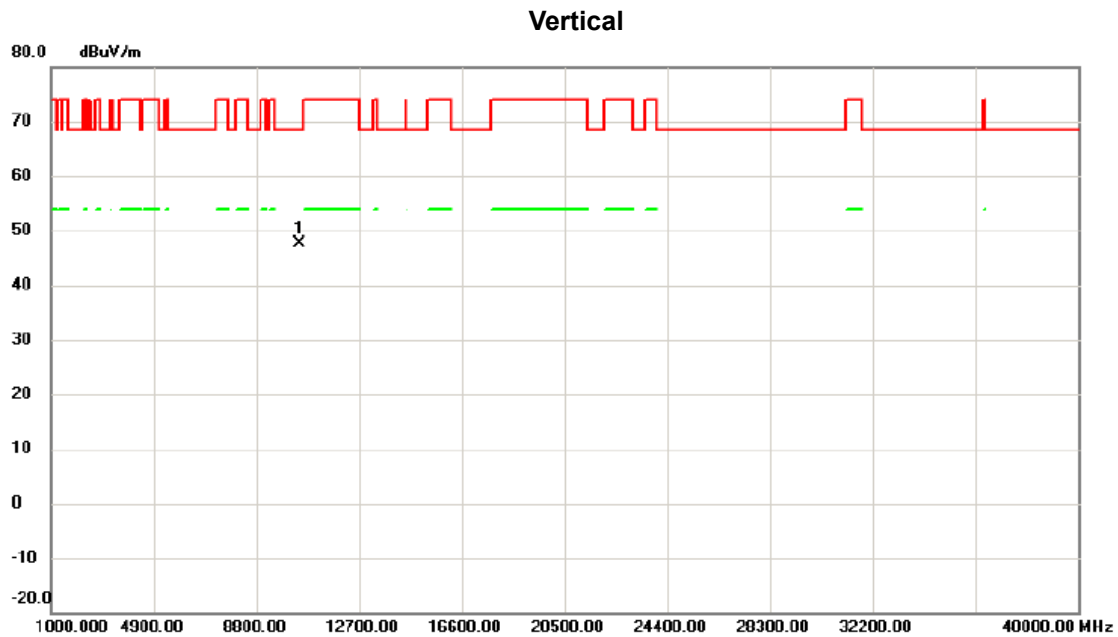
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	37.73	17.26	54.99	74.00	-19.01	peak	
2		5150.000	28.16	17.26	45.42	54.00	-8.58	AVG	
3	X	5232.600	79.31	17.42	96.73	68.30	28.43	AVG	No Limit
4	*	5233.200	88.62	17.42	106.04	68.30	37.74	peak	No Limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value – Limit Value.

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz

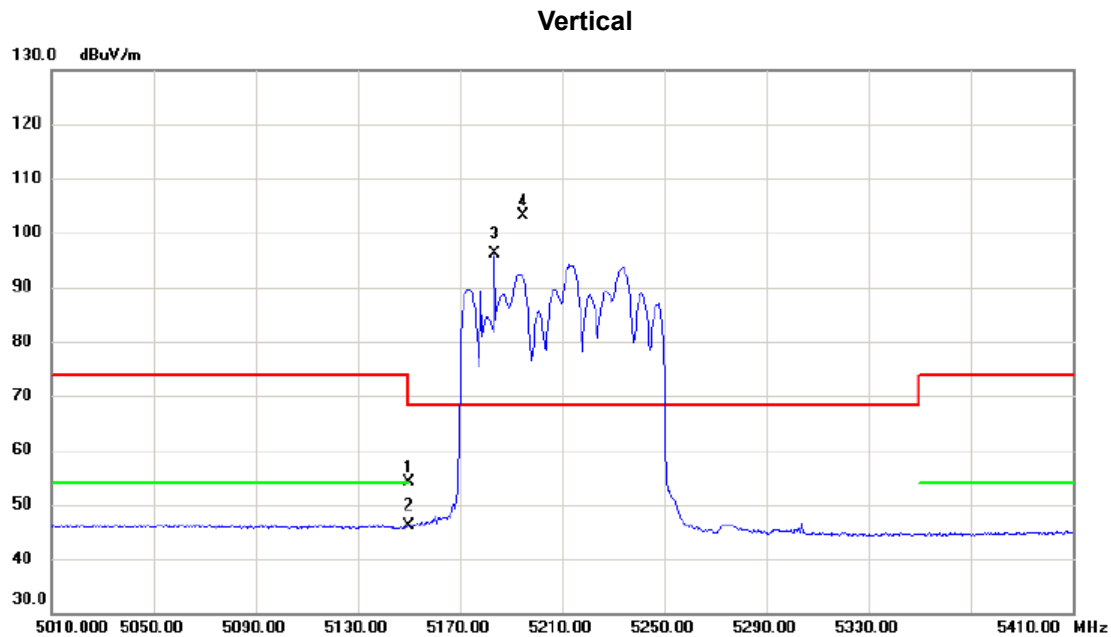


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10458.755	32.94	14.80	47.74	68.30	-20.56	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz

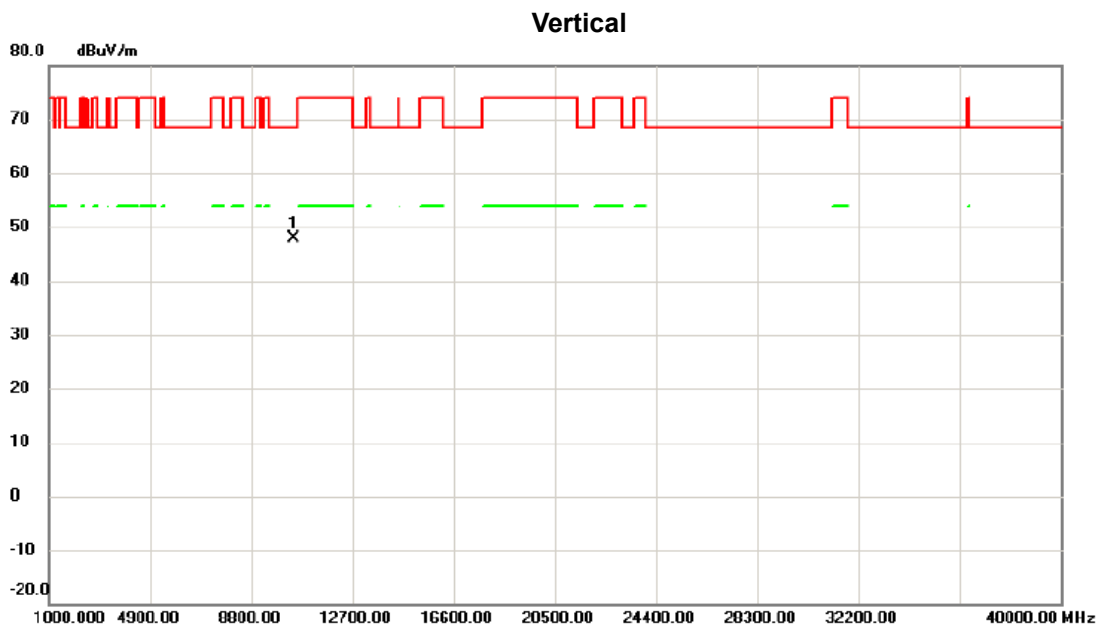


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	36.96	17.26	54.22	74.00	-19.78	peak	
2		5150.000	28.76	17.26	46.02	54.00	-7.98	AVG	
3	X	5183.600	78.91	17.32	96.23	68.30	27.93	AVG	No Limit
4	*	5194.800	85.91	17.34	103.25	68.30	34.95	peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz



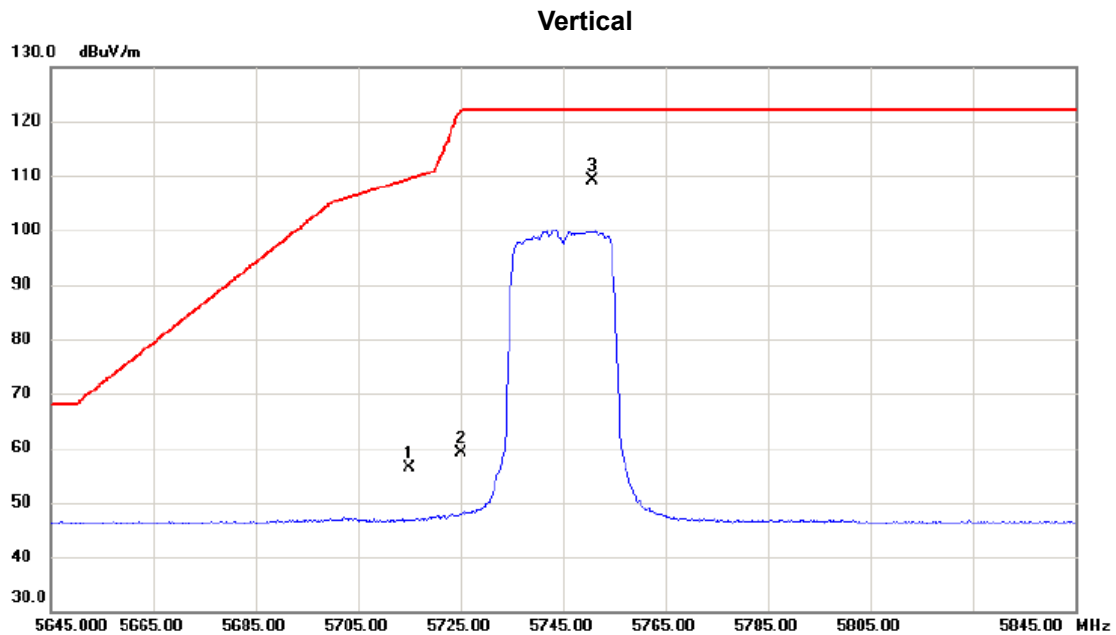
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.330	33.08	14.73	47.81	68.30	-20.49	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value – Limit Value.

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5745 MHz

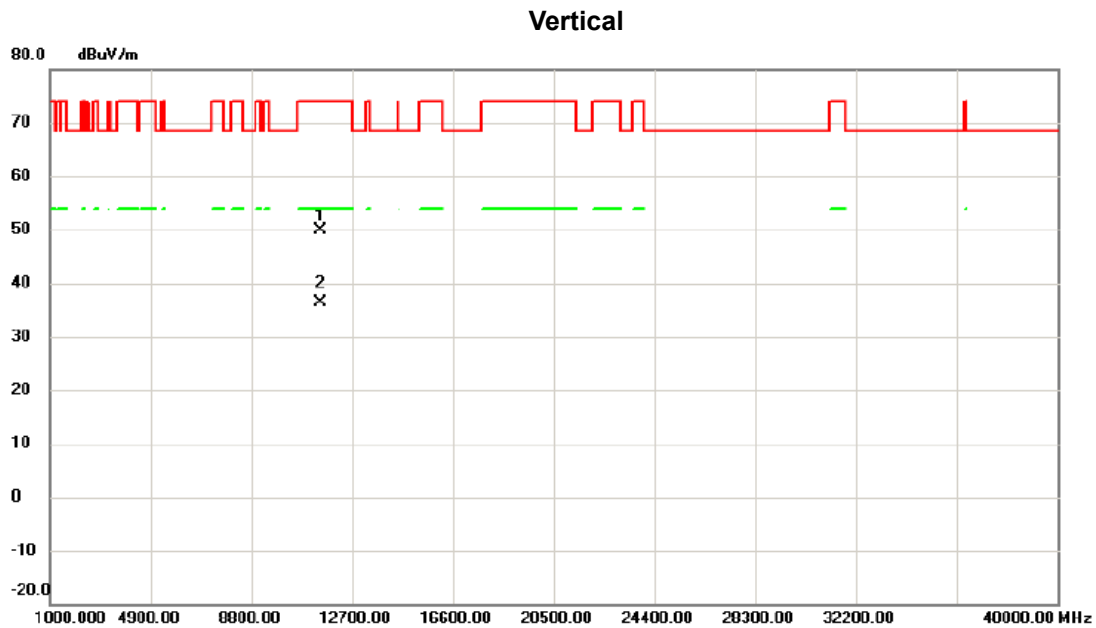


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	37.76	18.66	56.42	109.40	-52.98	peak	
2		5725.000	40.41	18.69	59.10	122.20	-63.10	peak	
3	*	5750.800	90.36	18.77	109.13	122.20	-13.07	peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5745 MHz



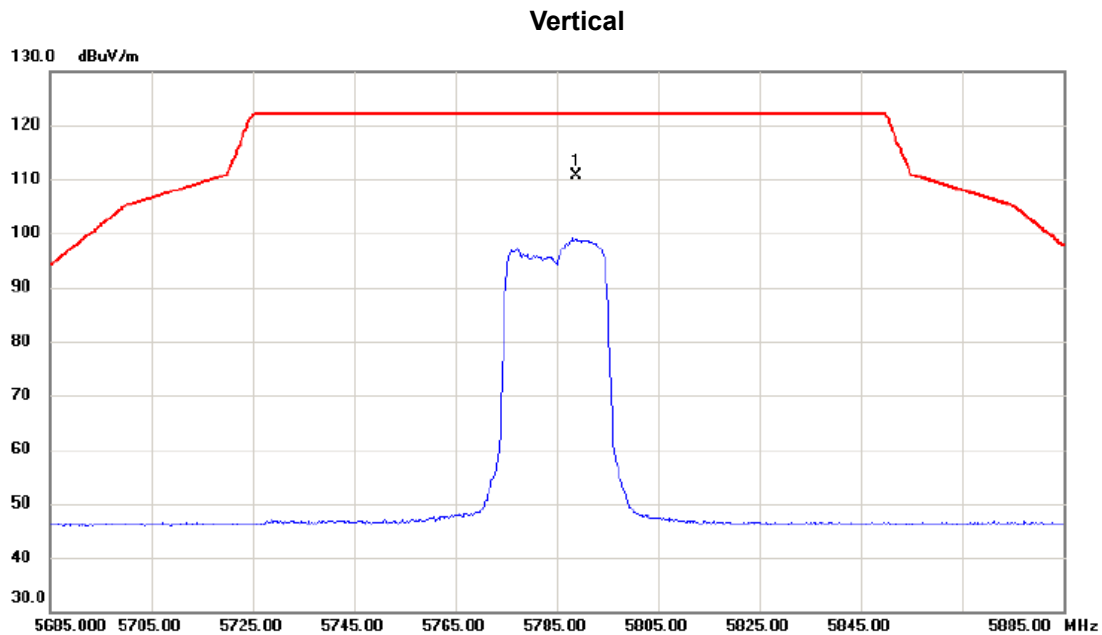
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11487.915	32.84	17.16	50.00	74.00	-24.00	peak	
2	*	11488.750	19.24	17.16	36.40	54.00	-17.60	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value – Limit Value.

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5785 MHz

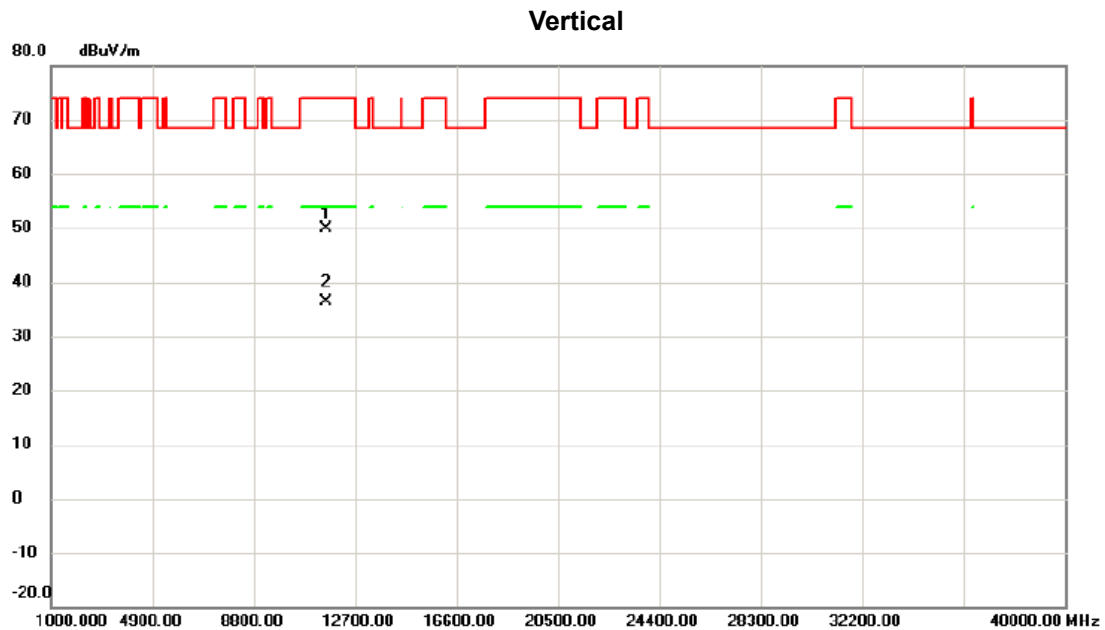


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5788.800	91.71	18.89	110.60	122.20	-11.60	peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5785 MHz

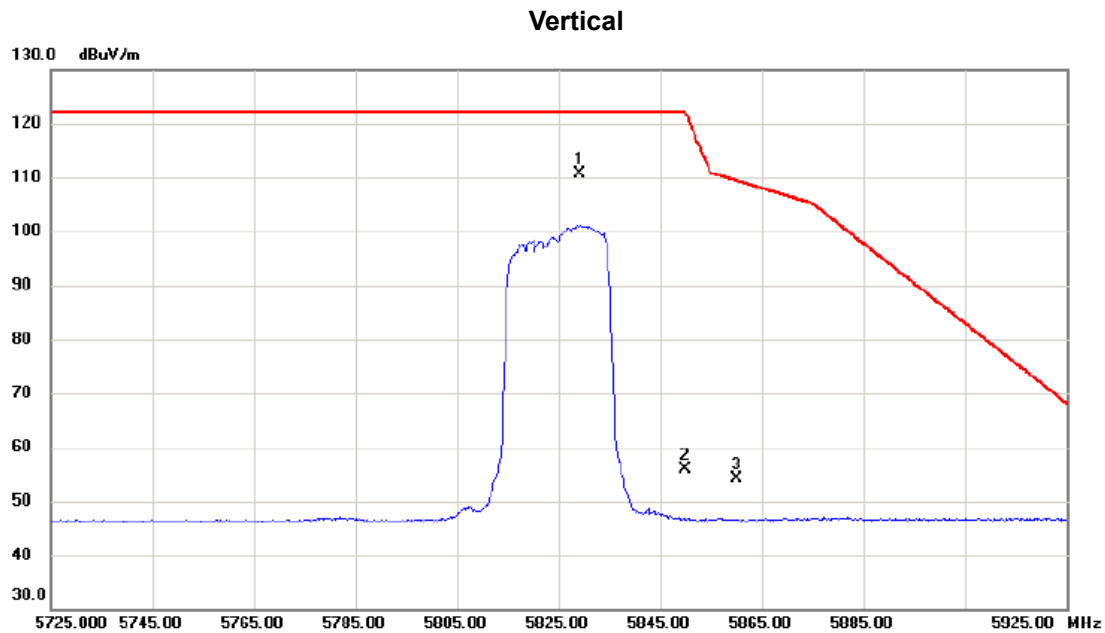


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.365	32.62	17.20	49.82	74.00	-24.18	peak	
2 *	11572.155	19.08	17.20	36.28	54.00	-17.72	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5825 MHz

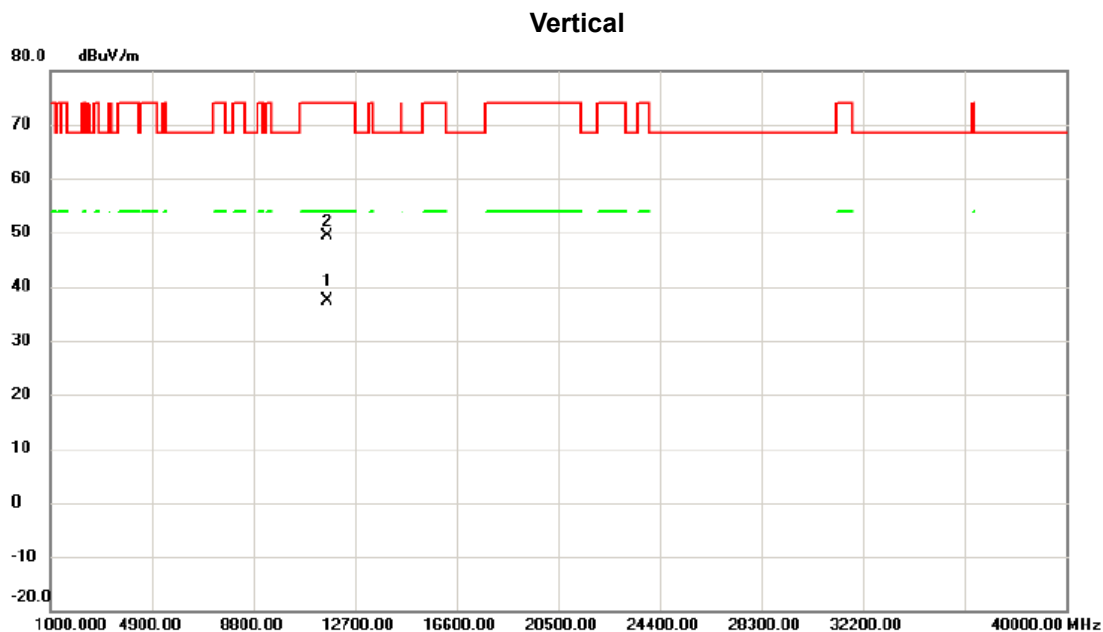


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5829.200	91.49	19.02	110.51	122.20	-11.69	peak	No Limit
2		5850.000	36.82	19.09	55.91	122.20	-66.29	peak	
3		5860.000	35.08	19.12	54.20	109.40	-55.20	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE20) Mode 5825 MHz

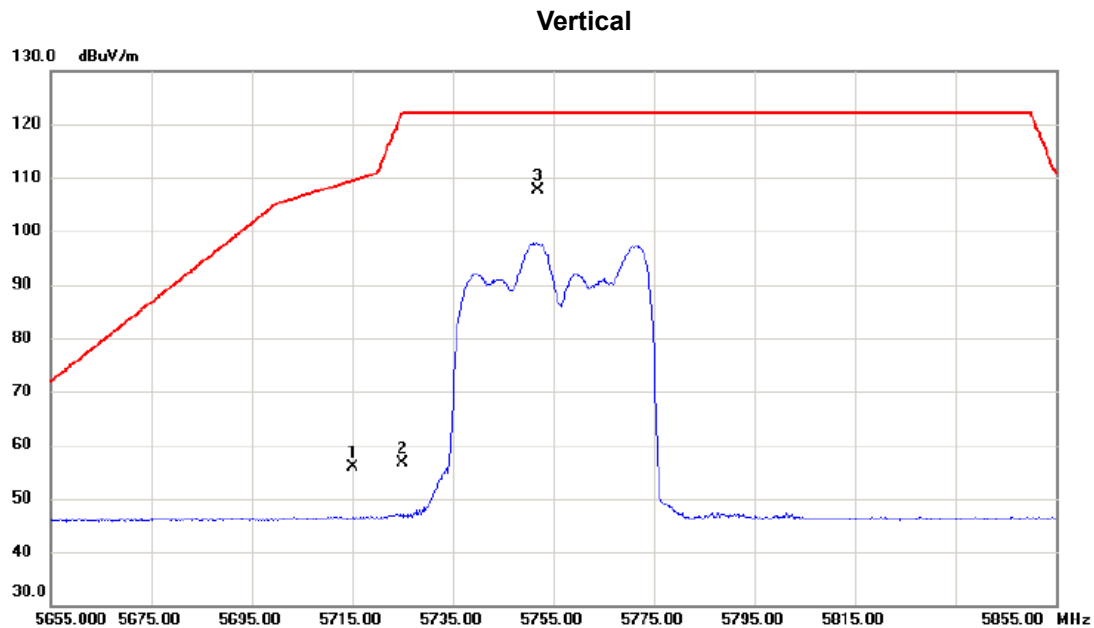


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	11649.765	20.18	17.22	37.40	54.00	-16.60	AVG	
2		11651.485	32.13	17.23	49.36	74.00	-24.64	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE40) Mode 5755 MHz

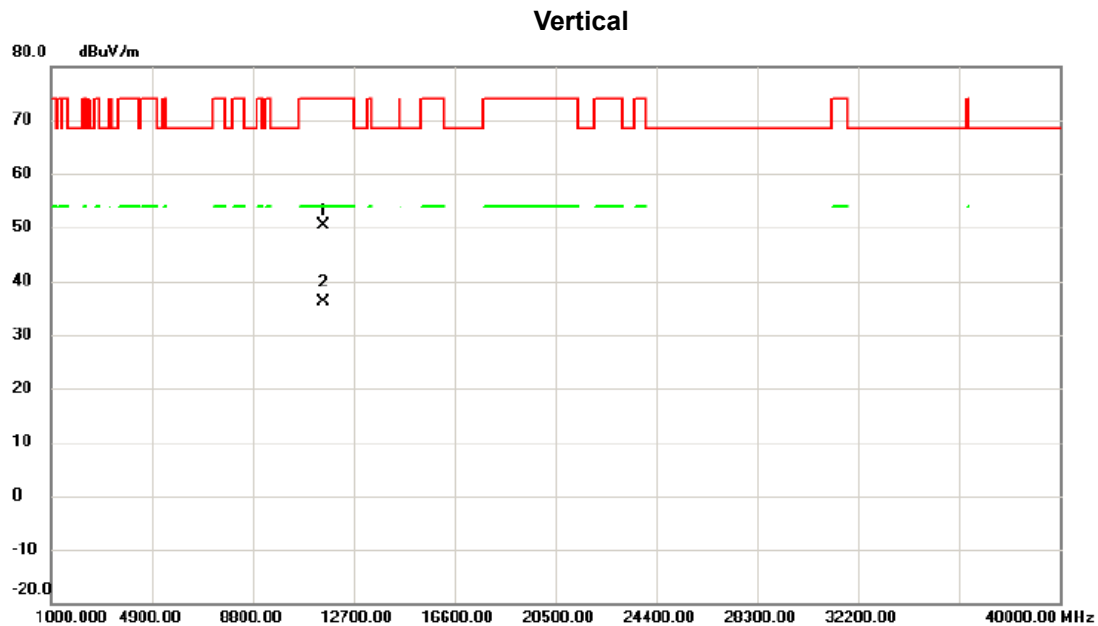


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	37.16	18.66	55.82	109.40	-53.58	peak	
2		5725.000	37.91	18.69	56.60	122.20	-65.60	peak	
3	*	5751.800	88.97	18.77	107.74	122.20	-14.46	peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE40) Mode 5755 MHz

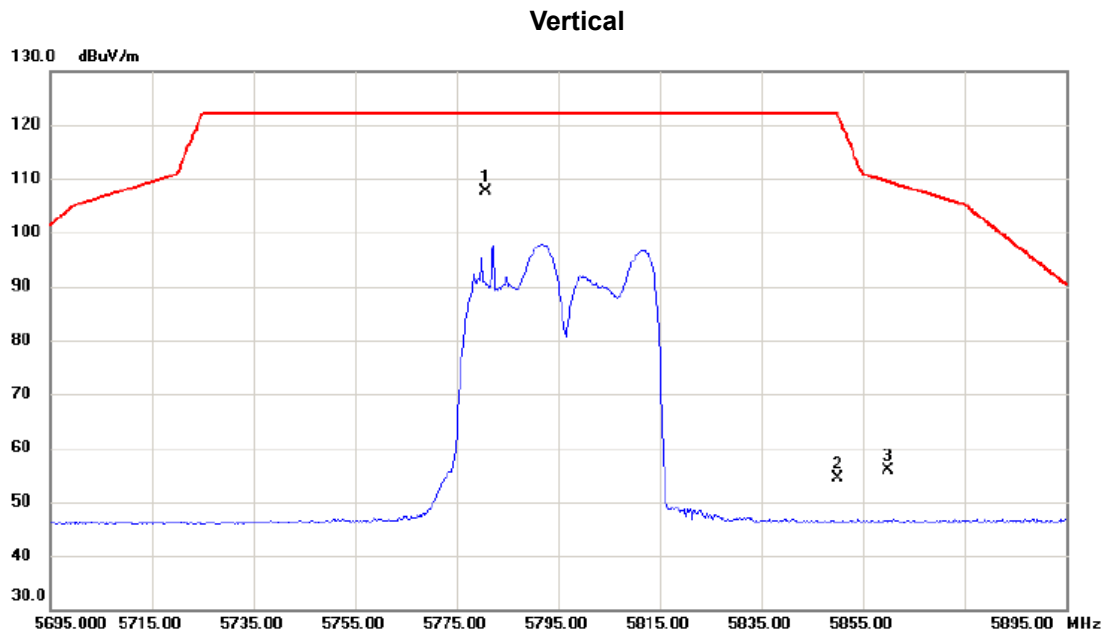


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11508.175	33.30	17.18	50.48	74.00	-23.52	peak	
2	*	11509.080	19.03	17.18	36.21	54.00	-17.79	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE40) Mode 5795 MHz

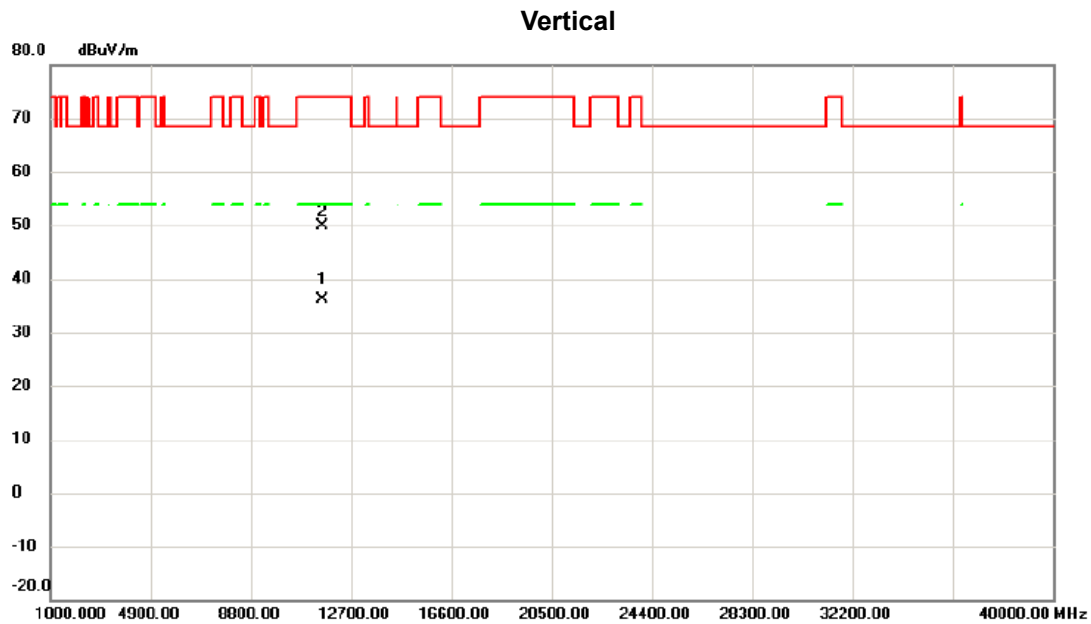


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5780.600	88.80	18.86	107.66	122.20	-14.54	peak	No Limit
2		5850.000	35.28	19.09	54.37	122.20	-67.83	peak	
3		5860.000	36.65	19.12	55.77	109.40	-53.63	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE40) Mode 5795 MHz

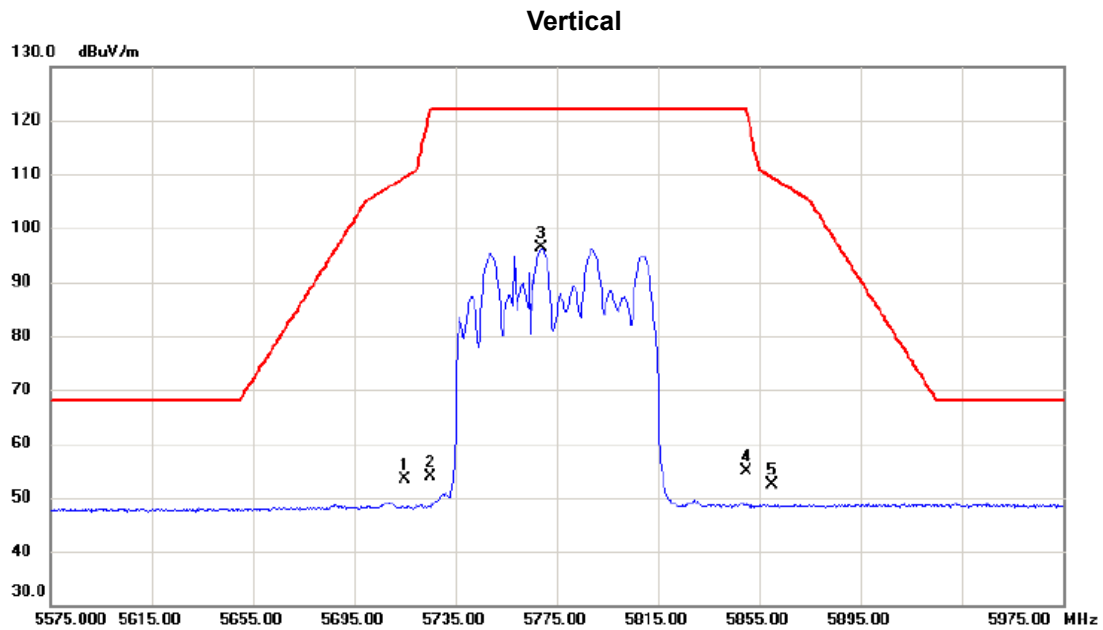


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	11587.970	19.04	17.21	36.25	54.00	-17.75	AVG	
2		11588.920	32.55	17.21	49.76	74.00	-24.24	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE80) Mode 5775 MHz

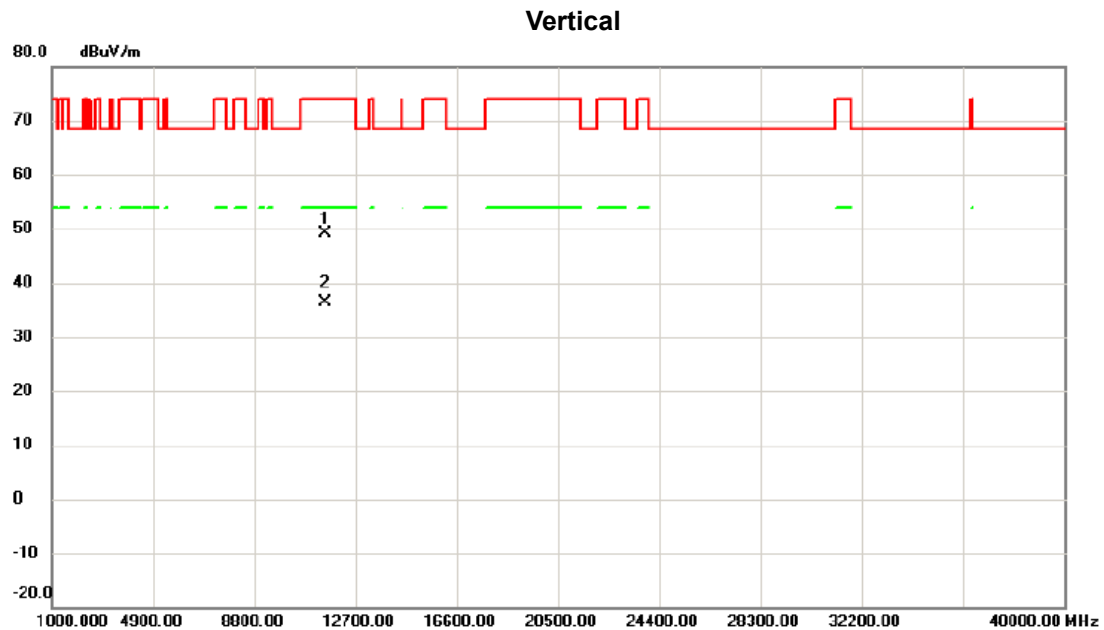


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	34.67	18.66	53.33	109.40	-56.07	peak	
2		5725.000	35.16	18.69	53.85	122.20	-68.35	peak	
3	*	5769.000	77.53	18.84	96.37	122.20	-25.83	peak	No Limit
4		5850.000	35.70	19.09	54.79	122.20	-67.41	peak	
5		5860.000	33.16	19.12	52.28	109.40	-57.12	peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AX(HE80) Mode 5775 MHz



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11549.015	31.94	17.19	49.13	74.00	-24.87	peak	
2 *	11549.625	19.17	17.19	36.36	54.00	-17.64	AVG	

REMARKS:

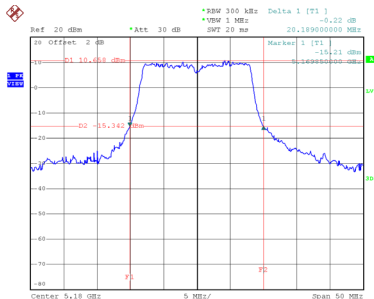
- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value – Limit Value.

APPENDIX E – BANDWIDTH

Test Mode	UNII-1_TX A Mode
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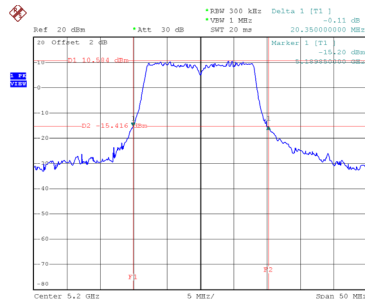
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	20.19	16.80
40	5200	20.35	16.80
48	5240	20.50	16.80

CH36



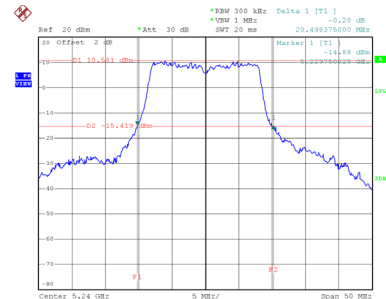
Date: 10.JUL.2020 09:27:29

CH40
26 dB Bandwidth



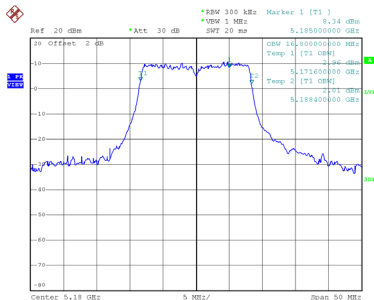
Date: 10.JUL.2020 09:31:08

CH48

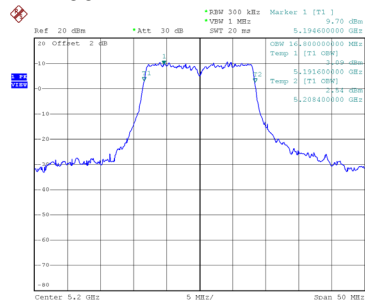


Date: 10.JUL.2020 09:32:51

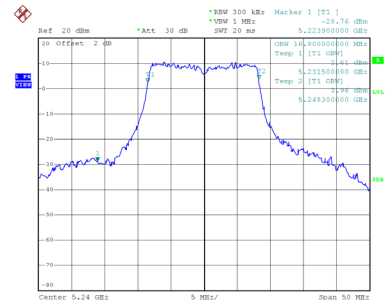
99 % Emission Bandwidth



Date: 10.JUL.2020 09:26:41



Date: 10.JUL.2020 09:30:22

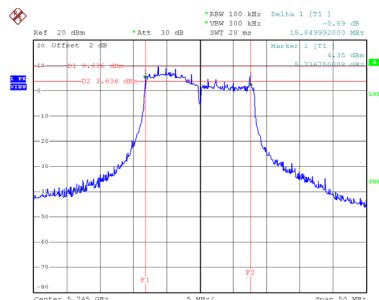


Date: 10.JUL.2020 09:32:04

Test Mode	UNII-3_TX A Mode
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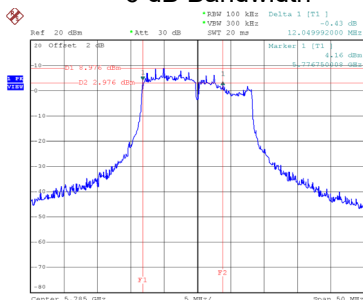
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	15.85	16.70	500	Complies
157	5785	12.05	16.50	500	Complies
165	5825	12.40	16.40	500	Complies

CH149



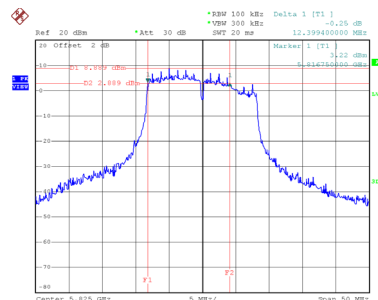
Date: 10.JUL.2020 09:34:28

CH157
6 dB Bandwidth



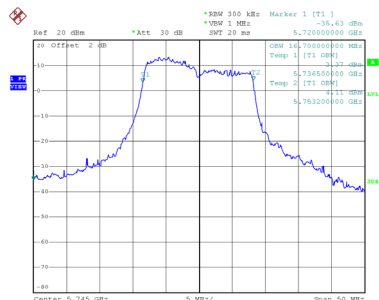
Date: 10.JUL.2020 09:36:03

CH165

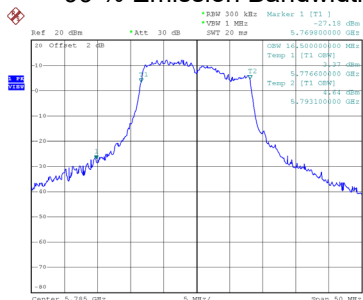


Date: 10.JUL.2020 09:40:17

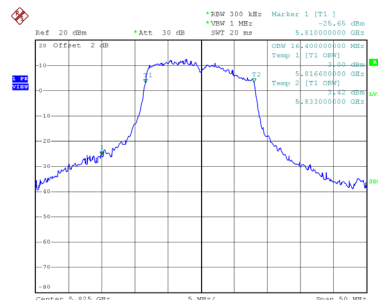
99 % Emission Bandwidth



Date: 10.JUL.2020 09:33:38



Date: 10.JUL.2020 09:35:09

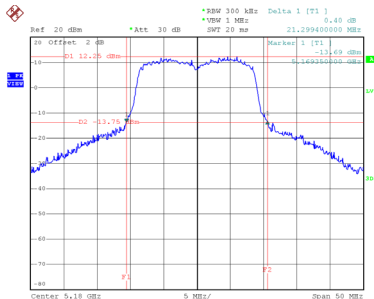


Date: 10.JUL.2020 09:39:22

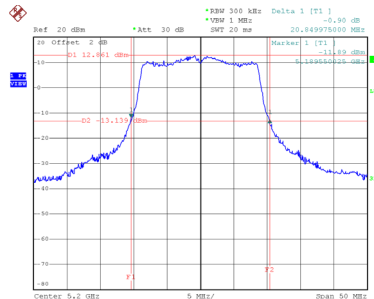
Test Mode	UNII-1_TX AC(VHT20) Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	21.30	17.70
40	5200	20.85	17.80
48	5240	21.75	17.70

CH36

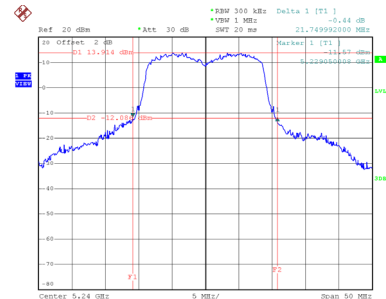


Date: 10.JUL.2020 10:39:52

CH40
26 dB Bandwidth


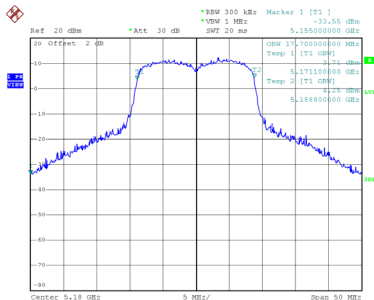
Date: 10.JUL.2020 10:42:35

CH48

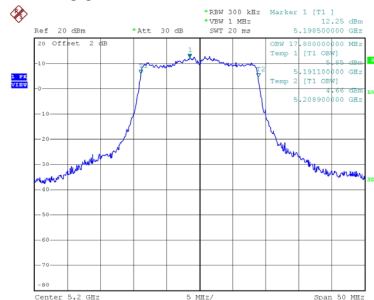


Date: 10.JUL.2020 10:45:10

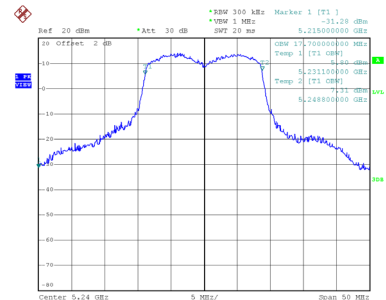
99 % Emission Bandwidth



Date: 10.JUL.2020 10:39:01



Date: 10.JUL.2020 10:41:44



Date: 10.JUL.2020 10:44:21