

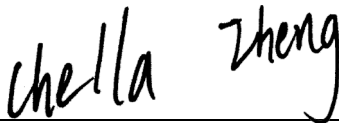
FCC Radio Test Report

FCC ID: KA2COVRX1860A1

This report concerns: Original Grant

Project No. : 2011H026
Equipment : 1) AX1800 Dual-Band Mesh Wi-Fi 6 Router
2) AX1800 Dual-Band Whole Home Mesh Wi-Fi 6 System
Brand Name : D-Link
Test Model : COVR-X1860
Series Model : COVR-X1862, COVR-X1863, COVR-X1864
Applicant : D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California United State 92708
Manufacturer : D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California United State 92708
Date of Receipt : Nov. 12, 2020
Date of Test : Nov. 12, 2020 ~ Jan. 03, 2021
Issued Date : Jan. 07, 2021
Report Version : R01
Test Sample : Engineering Sample No.: DG20201109112 for conducted, DG202011192 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

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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.	Jan. 06, 2021
R01	Modified the comments of TCB.	Jan. 07, 2021

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)				
Standard(s) Section	Test Item	Test Result	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	2.68

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	-	3.02
		30MHz ~ 200MHz	V	4.26
		30MHz ~ 200MHz	H	3.38
		200MHz ~ 1,000MHz	V	3.98
		200MHz ~ 1,000MHz	H	3.94
		1GHz ~ 6GHz	-	3.96
		6GHz ~ 18GHz	-	5.24
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Power Spectral Density	±0.86 dB
Frequency Stability	±0.16 dB
Temperature	±0.08 °C
Humidity	±1.5%

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	Hand Huang
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-30 MHz to 1GHz	26°C	52%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-Above 1000 MHz	26°C	52%	AC 120V/60Hz	Kwok Guo
Spectrum Bandwidth	25°C	52%	DC 12V	Hayden Chen
Maximum Output Power	25°C	52%	DC 12V	Hand Huang
Power Spectral Density	25°C	52%	DC 12V	Hayden Chen
Frequency Stability	Normal & Extreme	52%	Normal & Extreme	Hayden Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	1) AX1800 Dual-Band Mesh Wi-Fi 6 Router 2) AX1800 Dual-Band Whole Home Mesh Wi-Fi 6 System
Brand Name	D-Link
Test Model	COVR-X1860
Series Model	COVR-X1862, COVR-X1863, COVR-X1864
Model Difference(s)	All versions of the Models are electrically equal except for model name and number of packages. COVR-X1860: Single Pack COVR-X1862: Double Pack COVR-X1863: Three Pack COVR-X1864: Four Pack
Power Source	DC voltage supplied from AC adapter. 1# Manufacturer / Model: MNC / MAUS-1201001202 2# Manufacturer / Model: Gongjin / S12A12-120A100-CJ
Power Rating	1# I/P: 100-240V~ 50/60Hz 0.35A O/P: 12V --- 1.0A 2# I/P: 100-240V~ 50/60Hz 0.5A max O/P: 12V --- 1A
Operation Frequency Band(s)	UNII-1: 5150 MHz~5250 MHz UNII-2A: 5250 MHz~5350 MHz UNII-2C: 5470 MHz~5725 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 300 Mbps IEEE 802.11ac: up to 866.7 Mbps IEEE 802.11ax: up to 1201 Mbps
Maximum Output Power _UNII-1 Non Beamforming	IEEE 802.11a: 25.31 dBm (0.3396 W) IEEE 802.11n(HT20): 25.74 dBm (0.3750 W) IEEE 802.11n(HT40): 24.80 dBm (0.3020 W) IEEE 802.11ac(VHT20): 26.00 dBm (0.3981 W) IEEE 802.11ac(VHT40): 24.93 dBm (0.3112 W) IEEE 802.11ac(VHT80): 20.38 dBm (0.1091 W) IEEE 802.11ax(HE20): 26.92 dBm (0.4920 W) IEEE 802.11ax(HE40): 25.24 dBm (0.3342 W) IEEE 802.11ax(HE80): 20.60 dBm (0.1148 W)
Maximum Output Power _UNII-2A Non Beamforming	IEEE 802.11a: 21.07 dBm (0.1279 W) IEEE 802.11n(HT20): 21.85 dBm (0.1531 W) IEEE 802.11n(HT40): 23.78 dBm (0.2388 W) IEEE 802.11ac(VHT20): 22.11 dBm (0.1626 W) IEEE 802.11ac(VHT40): 23.97 dBm (0.2495 W) IEEE 802.11ac(VHT80): 20.97 dBm (0.1250 W) IEEE 802.11ax(HE20): 22.61 dBm (0.1824 W) IEEE 802.11ax(HE40): 23.64 dBm (0.2312 W) IEEE 802.11ax(HE80): 20.92 dBm (0.1236 W)
Maximum Output Power _UNII-2C Non Beamforming	IEEE 802.11a: 20.13 dBm (0.1030 W) IEEE 802.11n(HT20): 20.75 dBm (0.1189 W) IEEE 802.11n(HT40): 23.10 dBm (0.2042 W) IEEE 802.11ac(VHT20): 20.91 dBm (0.1233 W) IEEE 802.11ac(VHT40): 23.11 dBm (0.2046 W) IEEE 802.11ac(VHT80): 23.60 dBm (0.2291 W) IEEE 802.11ax(HE20): 20.94 dBm (0.1242 W) IEEE 802.11ax(HE40): 22.95 dBm (0.1972 W) IEEE 802.11ax(HE80): 23.61 dBm (0.2296 W)

Maximum Output Power _UNII-3 Non Beamforming	IEEE 802.11a: 24.00 dBm (0.2512 W) IEEE 802.11n(HT20): 27.15 dBm (0.5188 W) IEEE 802.11n(HT40): 26.50 dBm (0.4467 W) IEEE 802.11ac(VHT20): 27.29 dBm (0.5358 W) IEEE 802.11ac(VHT40): 26.60 dBm (0.4571 W) IEEE 802.11ac(VHT80): 24.06 dBm (0.2547 W) IEEE 802.11ax(HE20): 27.35 dBm (0.5433 W) IEEE 802.11ax(HE40): 27.23 dBm (0.5284 W) IEEE 802.11ax(HE80): 24.31 dBm (0.2698 W)
Maximum Output Power _UNII-1 Beamforming	IEEE 802.11n(HT20): 25.41 dBm (0.3475 W) IEEE 802.11n(HT40): 24.49 dBm (0.2812 W) IEEE 802.11ac(VHT20): 25.74 dBm (0.3750 W) IEEE 802.11ac(VHT40): 24.58 dBm (0.2871 W) IEEE 802.11ac(VHT80): 19.98 dBm (0.0995 W) IEEE 802.11ax(HE20): 26.55 dBm (0.4519 W) IEEE 802.11ax(HE40): 24.83 dBm (0.3041 W) IEEE 802.11ax(HE80): 20.50 dBm (0.1122 W)
Maximum Output Power _UNII-2A Beamforming	IEEE 802.11n(HT20): 21.58 dBm (0.1439 W) IEEE 802.11n(HT40): 23.39 dBm (0.2183 W) IEEE 802.11ac(VHT20): 21.82 dBm (0.1521 W) IEEE 802.11ac(VHT40): 23.68 dBm (0.2333 W) IEEE 802.11ac(VHT80): 20.64 dBm (0.1159 W) IEEE 802.11ax(HE20): 22.39 dBm (0.1734 W) IEEE 802.11ax(HE40): 23.33 dBm (0.2153 W) IEEE 802.11ax(HE80): 20.67 dBm (0.1167 W)
Maximum Output Power _UNII-2C Beamforming	IEEE 802.11n(HT20): 20.53 dBm (0.1130 W) IEEE 802.11n(HT40): 22.86 dBm (0.1932 W) IEEE 802.11ac(VHT20): 20.74 dBm (0.1186 W) IEEE 802.11ac(VHT40): 22.93 dBm (0.1963 W) IEEE 802.11ac(VHT80): 23.31 dBm (0.2143 W) IEEE 802.11ax(HE20): 20.56 dBm (0.1138 W) IEEE 802.11ax(HE40): 22.70 dBm (0.1862 W) IEEE 802.11ax(HE80): 23.39 dBm (0.2183 W)
Maximum Output Power _UNII-3 Beamforming	IEEE 802.11n(HT20): 26.90 dBm (0.4898 W) IEEE 802.11n(HT40): 26.23 dBm (0.4198 W) IEEE 802.11ac(VHT20): 26.98 dBm (0.4989 W) IEEE 802.11ac(VHT40): 26.25 dBm (0.4217 W) IEEE 802.11ac(VHT80): 23.74 dBm (0.2366 W) IEEE 802.11ax(HE20): 27.01 dBm (0.5023 W) IEEE 802.11ax(HE40): 27.03 dBm (0.5047 W) IEEE 802.11ax(HE80): 24.24 dBm (0.2655 W)

Note:

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

2. Channel List:

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(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-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

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-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				

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:

IEEE 802.11ax(HE20)	Resource Unit	242 Tone(20M)
	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	P/N	Antenna Type	Connector	Gain (dBi)
1	RFlink	RF11C00466A	Internal	N/A	2
2	RFlink	RF11C00467A	Internal	N/A	2

Note:

- 1) This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain= $G_{ANT}+10\log(N)$ dBi, that is Directional gain= $2+10\log(2)$ dBi=5.01.
- 2) Beamforming Gain: 3 dB. So Directional gain= $3+2=5$.
- 3) The antenna gain is provided by the manufacturer.

5. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode TX Mode	1TX	2TX
IEEE 802.11a	V (Ant. 1)	-
IEEE 802.11n(HT20)	-	V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)	-	V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT20)	-	V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT40)	-	V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT80)	-	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE20)	-	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE40)	-	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE80)	-	V (Ant. 1 + Ant. 2)

For Beamforming:

Operating Mode	TX Mode	2TX
IEEE 802.11n(HT20)		V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)		V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT20)		V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT40)		V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT80)		V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE20)		V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE40)		V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE80)		V (Ant. 1 + Ant. 2)

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 Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 8	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 9	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 10	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 11	TX N(HT20) Mode Channel 52/60/64 (UNII-2A)
Mode 12	TX N(HT40) Mode Channel 54/62 (UNII-2A)
Mode 13	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 14	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 15	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 16	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 17	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 18	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 19	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 20	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 21	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 22	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 26	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 27	TX AX(HE80) Mode Channel 106/122 (UNII-2C)

Pretest Mode	Description
Mode 28	TX A Mode Channel 149/157/165 (UNII-3)
Mode 29	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 30	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 31	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 32	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 33	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 34	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 35	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 36	TX AX(HE80) Mode Channel 155 (UNII-3)
Mode 37	TX AX(HE20) Mode Channel 165 (UNII-3)

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 37	TX AX(HE20) Mode Channel 165 (UNII-3)

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 37	TX AX(HE20) Mode Channel 165 (UNII-3)

Radiated emissions test- Above 1GHz_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 8	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 9	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 10	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 14	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 15	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 16	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 17	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 18	TX AX(HE80) Mode Channel 58 (UNII-2A)

Radiated emissions test- Above 1GHz_Non Beamforming	
Final Test Mode	Description
Mode 19	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 22	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 26	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 27	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 28	TX A Mode Channel 149/157/165 (UNII-3)
Mode 31	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 32	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 33	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 34	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 35	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 36	TX AX(HE80) Mode Channel 155 (UNII-3)

Maximum Output Power_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 8	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 9	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 10	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 11	TX N(HT20) Mode Channel 52/60/64 (UNII-2A)
Mode 12	TX N(HT40) Mode Channel 54/62 (UNII-2A)
Mode 13	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 14	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 15	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 16	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 17	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 18	TX AX(HE80) Mode Channel 58 (UNII-2A)

Maximum Output Power_Non Beamforming	
Final Test Mode	Description
Mode 19	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 20	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 21	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 22	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 26	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 27	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 28	TX A Mode Channel 149/157/165 (UNII-3)
Mode 29	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 30	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 31	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 32	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 33	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 34	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 35	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 36	TX AX(HE80) Mode Channel 155 (UNII-3)

Maximum Output Power_Beamforming	
Final Test Mode	Description
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 8	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 9	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 11	TX N(HT20) Mode Channel 52/60/64 (UNII-2A)
Mode 12	TX N(HT40) Mode Channel 54/62 (UNII-2A)
Mode 13	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 14	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 15	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 16	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 17	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 18	TX AX(HE80) Mode Channel 58 (UNII-2A)

Maximum Output Power_Beamforming	
Final Test Mode	Description
Mode 20	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 21	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 22	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 26	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 27	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 29	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 30	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 31	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 32	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 33	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 34	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 35	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 36	TX AX(HE80) Mode Channel 155 (UNII-3)

Other Conducted test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 8	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 9	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 10	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 14	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 15	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 16	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 17	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 18	TX AX(HE80) Mode Channel 58 (UNII-2A)

Other Conducted test_Non Beamforming	
Final Test Mode	Description
Mode 19	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 22	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 25	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 26	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 27	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 28	TX A Mode Channel 149/157/165 (UNII-3)
Mode 31	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 32	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 33	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 34	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 35	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 36	TX AX(HE80) Mode Channel 155 (UNII-3)

Not:

- (1) For radiated emission below 1 GHz test, the IEEE 802.11ax20 channel 165 is found to be the worst case and recorded.
- (2) 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.
- (3) For radiated spurious emissions below 1 GHz test, all adapters had been pre-tested and in this report only recorded the worst case.
- (4) The measurements for 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.
- (5) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (6) The measurements for Output Power were tested, the worst case were IEEE 802.11a, IEEE 802.11ac(VHT20), IEEE 802.11ac(VHT40), IEEE 802.11ac(VHT80), IEEE 802.11ax(HE20), IEEE 802.11ax(HE40) and IEEE 802.11ax(HE80), only worst case were documented for other test items.

2.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

UNII-1			
Test Software	QATool		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11a	18.5	20.5	24
IEEE 802.11n(HT20)	18.5	19.5	20
IEEE 802.11ac(VHT20)	18.5	19.5	22
IEEE 802.11ax(HE20)	18	19.5	23
Test Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	16.5	20	
IEEE 802.11ac(VHT40)	16.5	20	
IEEE 802.11ax(HE40)	16.5	20	
Test Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	16		
IEEE 802.11ax(HE80)	16		

UNII-2A			
Test Software	QATool		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11a	19.5	19.5	18
IEEE 802.11n(HT20)	17.5	17	16
IEEE 802.11ac(VHT20)	18	17.5	17
IEEE 802.11ax(HE20)	17.5	17.5	16.5
Test Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	19	16.5	
IEEE 802.11ac(VHT40)	19	16.5	
IEEE 802.11ax(HE40)	19.5	16.5	
Test Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	16.5		
IEEE 802.11ax(HE80)	16.5		

UNII-2C			
Test Software	QATool		
Test Frequency (MHz)	5500	5580	5700
IEEE 802.11a	18.5	19	18.5
IEEE 802.11n(HT20)	16.5	16	15
IEEE 802.11ac(VHT20)	17	16.5	15.5
IEEE 802.11ax(HE20)	16.5	16.5	15
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	17.5	19.5	18
IEEE 802.11ac(VHT40)	18	19	18
IEEE 802.11ax(HE40)	17.5	18.5	17.5
Test Frequency (MHz)	5530	5610	
IEEE 802.11ac(VHT80)	17	20	
IEEE 802.11ax(HE80)	16.5	19.5	

UNII-3			
Test Software	QATool		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11a	22.5	22.5	23.5
IEEE 802.11n(HT20)	19.5	19.5	24
IEEE 802.11ac(VHT20)	20	20	24.5
IEEE 802.11ax(HE20)	22	21	24.5
Test Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	22.5	22.5	
IEEE 802.11ac(VHT40)	22.5	22.5	
IEEE 802.11ax(HE40)	22	23	
Test Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	20.5		
IEEE 802.11ax(HE80)	20		

Beamforming

UNII-1			
Test Software	QATool		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11n(HT20)	18	19	19.5
IEEE 802.11ac(VHT20)	18	19	21.5
IEEE 802.11ax(HE20)	17.5	19	22.5
Test Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	16	19.5	
IEEE 802.11ac(VHT40)	16	19.5	
IEEE 802.11ax(HE40)	16	19.5	
Test Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	15.5		
IEEE 802.11ax(HE80)	15.5		

UNII-2A			
Test Software	QATool		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11n(HT20)	17	16.5	15.5
IEEE 802.11ac(VHT20)	17.5	17	16.5
IEEE 802.11ax(HE20)	17	17	16
Test Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	18.5	16	
IEEE 802.11ac(VHT40)	18.5	16	
IEEE 802.11ax(HE40)	19	16	
Test Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	16		
IEEE 802.11ax(HE80)	16		

UNII-2C			
Test Software	QATool		
Test Frequency (MHz)	5500	5580	5700
IEEE 802.11n(HT20)	16	15.5	14.5
IEEE 802.11ac(VHT20)	16.5	16	15
IEEE 802.11ax(HE20)	16	16	14.5
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	17	19	17.5
IEEE 802.11ac(VHT40)	17.5	18.5	17.5
IEEE 802.11ax(HE40)	17	18	17
Test Frequency (MHz)	5530	5610	
IEEE 802.11ac(VHT80)	16.5	19.5	
IEEE 802.11ax(HE80)	16	19	

UNII-3			
Test Software	QATool		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11n(HT20)	19	19	23.5
IEEE 802.11ac(VHT20)	19.5	19.5	24
IEEE 802.11ax(HE20)	21.5	20.5	24
Test Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	22	22	
IEEE 802.11ac(VHT40)	22	22	
IEEE 802.11ax(HE40)	21.5	22.5	
Test Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	20		
IEEE 802.11ax(HE80)	19.5		

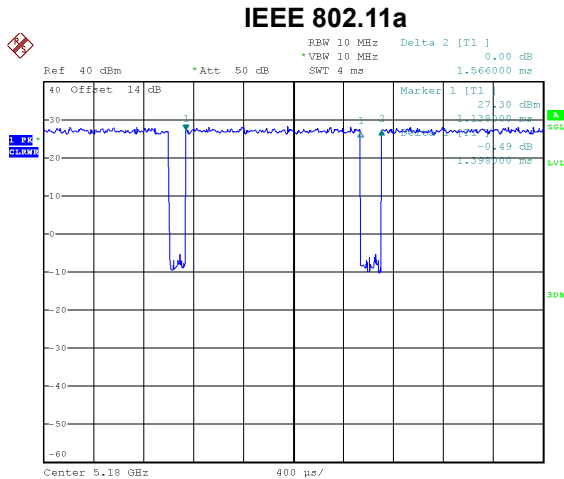
2.4 DUTY CYCLE

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

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

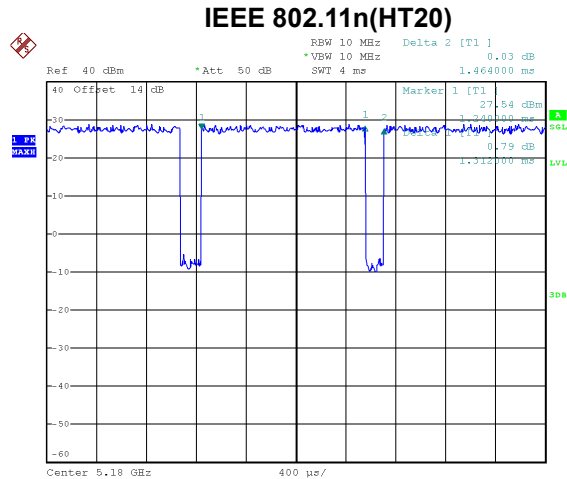
The output power = measured power + duty factor.

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



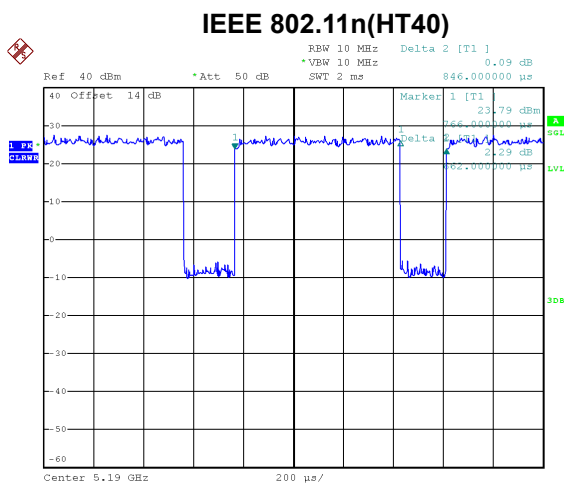
Date: 3.JAN.2021 22:43:32

Duty cycle = $1.398 \text{ ms} / 1.566 \text{ ms} = 89.27\%$
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.49$



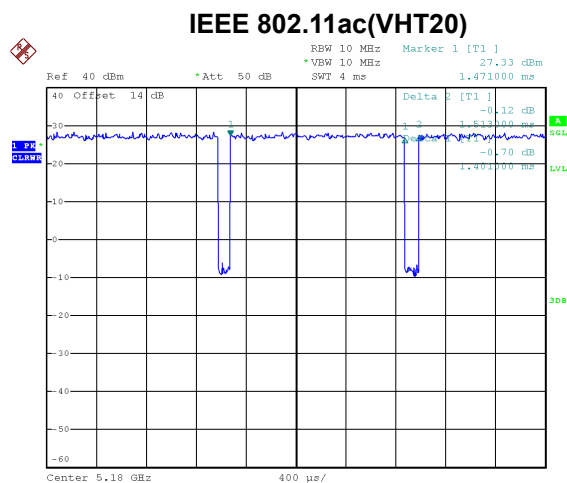
Date: 3.JAN.2021 22:40:30

Duty cycle = $1.312 \text{ ms} / 1.464 \text{ ms} = 89.62\%$
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.48$



Date: 3.JAN.2021 22:50:15

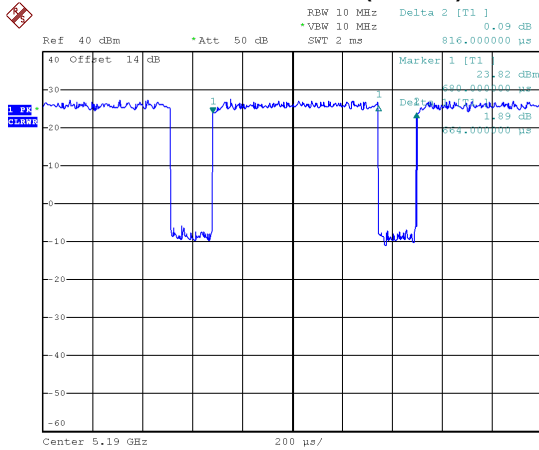
Duty cycle = $0.662 \text{ ms} / 0.846 \text{ ms} = 78.25\%$
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 1.07$



Date: 3.JAN.2021 22:45:20

Duty cycle = $1.401 \text{ ms} / 1.471 \text{ ms} = 95.24\%$
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.21$

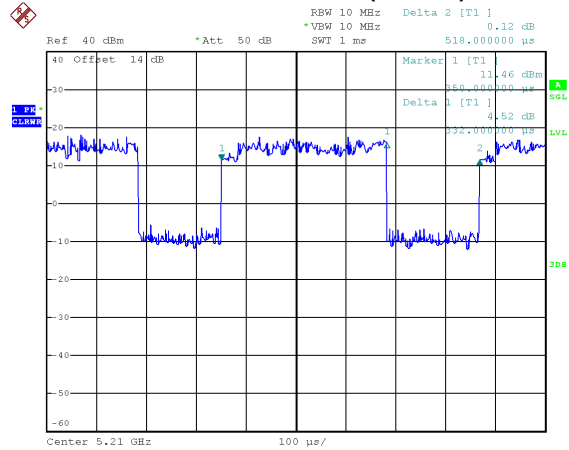
IEEE 802.11ac(VHT40)



Date: 3.JAN.2021 22:51:35

Duty cycle = 0.664 ms / 0.816 ms = 81.37%
 Duty Factor = 10 log(1 / Duty cycle) = 0.90

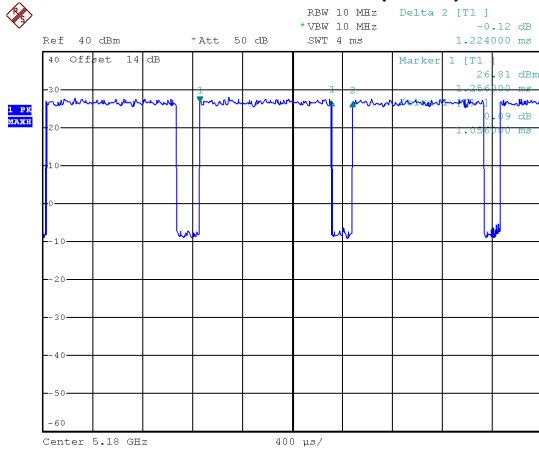
IEEE 802.11ac(VHT80)



Date: 3.JAN.2021 22:54:19

Duty cycle = 0.332 ms / 0.518 ms = 64.09%
 Duty Factor = 10 log(1 / Duty cycle) = 1.93

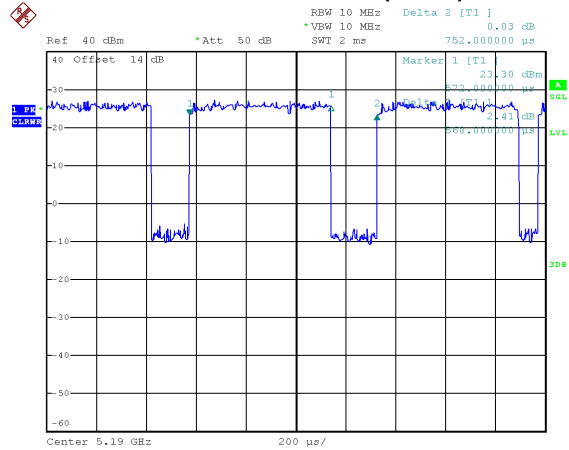
IEEE 802.11ax(HE20)



Date: 3.JAN.2021 22:47:53

Duty cycle = 1.056 ms / 1.224 ms = 86.27%
 Duty Factor = 10 log(1 / Duty cycle) = 0.64

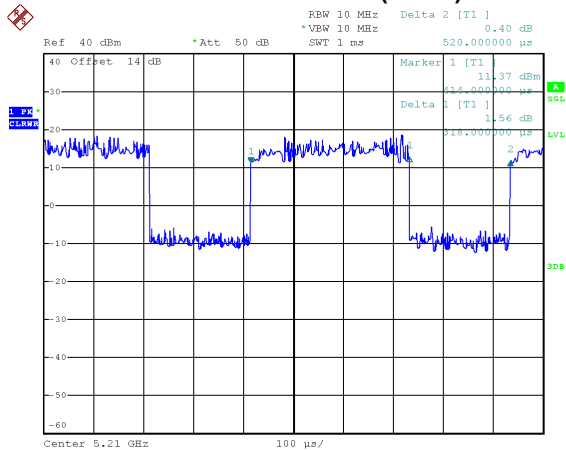
IEEE 802.11ax(HE40)



Date: 3.JAN.2021 22:52:53

Duty cycle = 0.568 ms / 0.752 ms = 75.53%
 Duty Factor = 10 log(1 / Duty cycle) = 1.22

IEEE 802.11ax(HE80)



Date: 3.JAN.2021 22:55:27

Duty cycle = $0.318 \text{ ms} / 0.520 \text{ ms} = 61.15\%$

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 2.14$

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%).

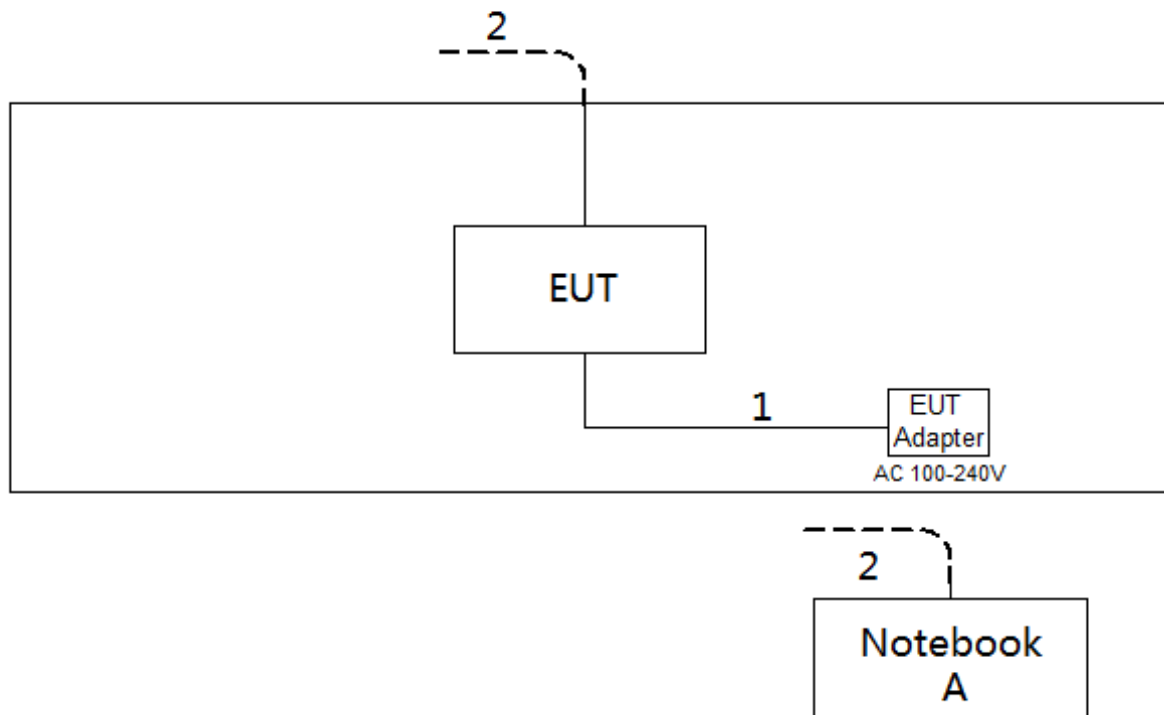
For IEEE 802.11n(HT40), IEEE 802.11ac(VHT40) and IEEE 802.11ax(HE40):

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%).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 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

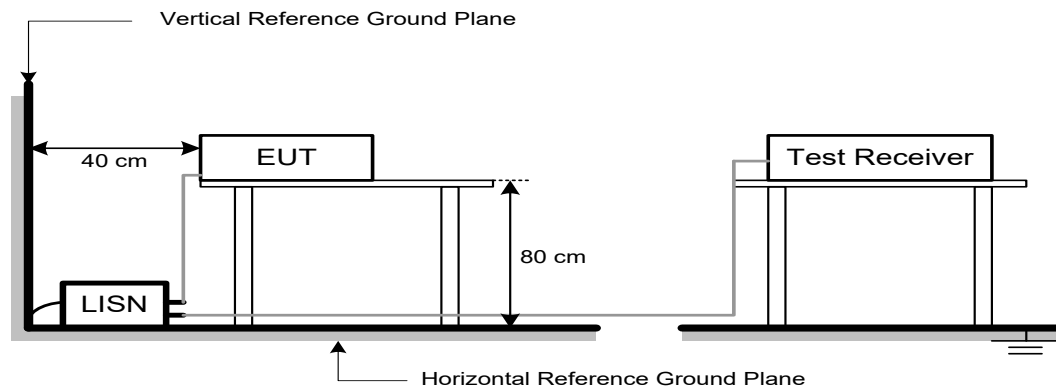
3.2 TEST PROCEDURE

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

NOTE:

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

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

- (2) According to 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

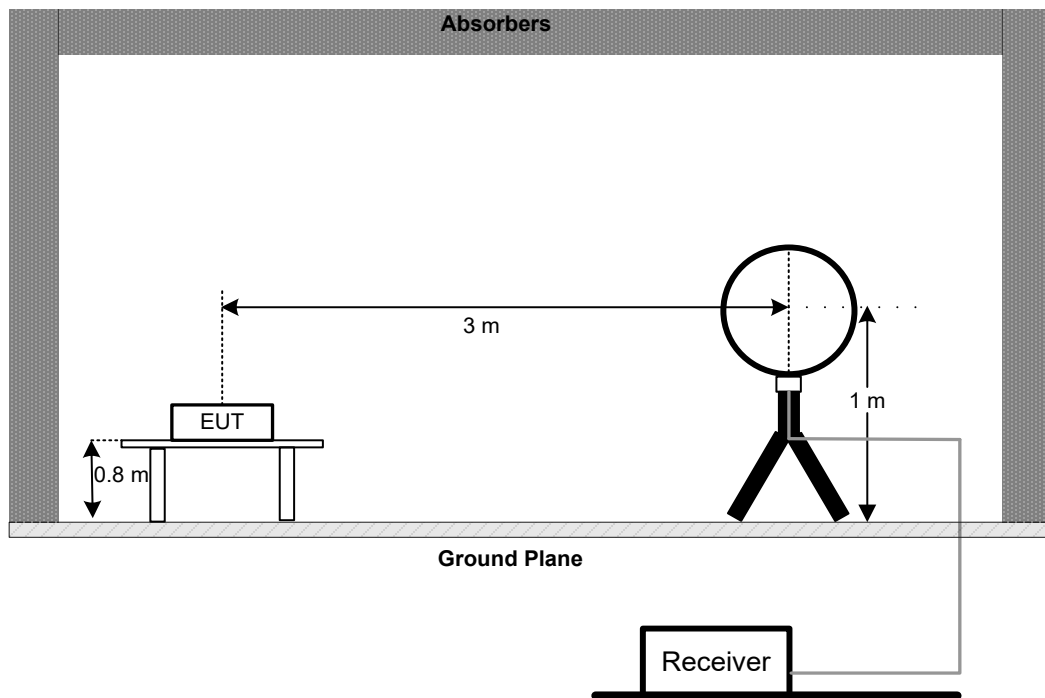
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

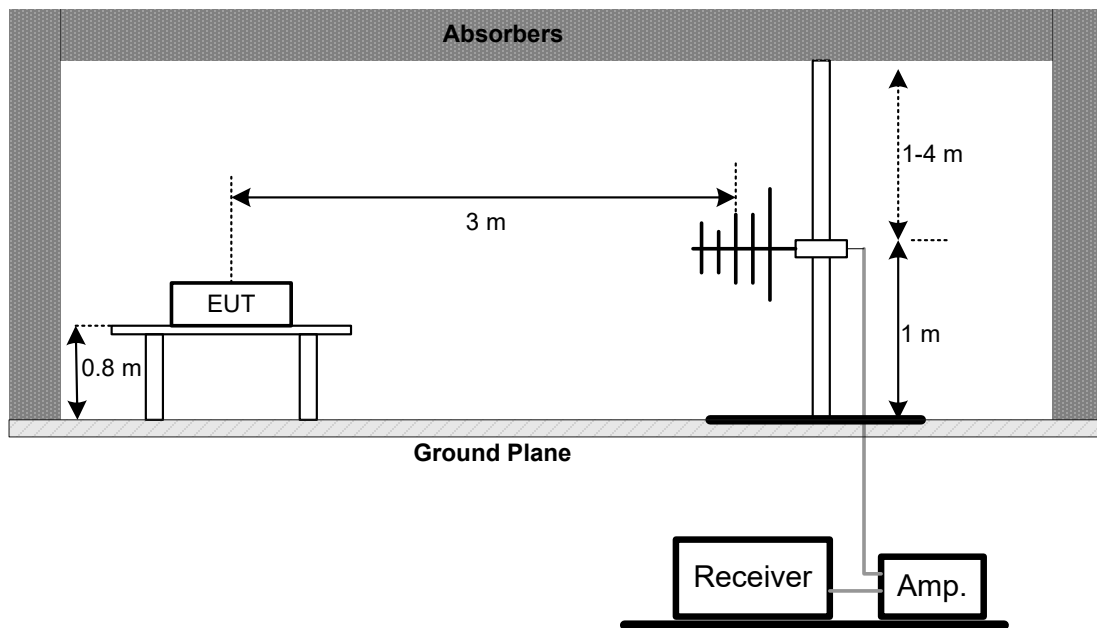
No deviation

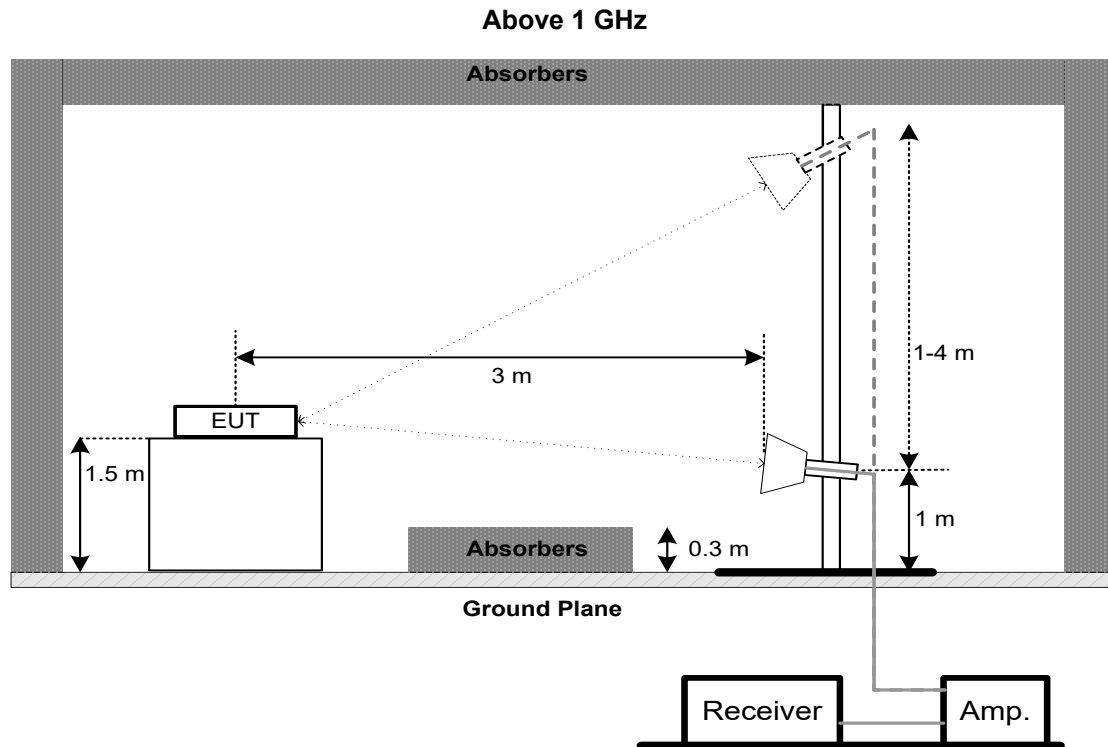
4.4 TEST SETUP

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) 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

5.2 TEST PROCEDURE

- 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, UNII-2A, UNII-2C:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> 26 dB Bandwidth
RBW	300 kHz (Bandwidth 20 MHz and Bandwidth 40 MHz) 1 MHz (Bandwidth 80 MHz)
VBW	1 MHz (Bandwidth 20 MHz and Bandwidth 40 MHz) 3 MHz (Bandwidth 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
		250 mW (24 dBm)	5250-5350
		250 mW (24 dBm)	5470-5725
		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.
- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

6.2 TEST PROCEDURE

- 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
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

7.2 TEST PROCEDURE

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

b. Spectrum Setting

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

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 +13dB , then the converted value will be $13+7=20\text{dB}$ 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
			5250-5350
			5470-5725
			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:

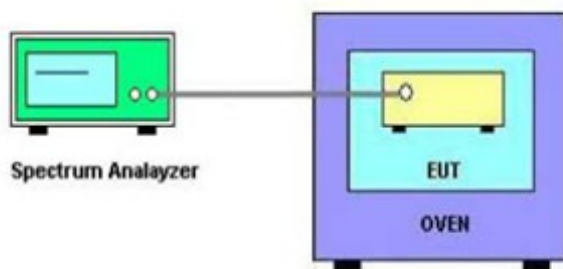
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

- 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-6000	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	BRC50704-01	8	Feb. 28, 2021
12	Band Reject Filter	Micro-Tronics	BRC50703-01	7	Feb. 28, 2021
13	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

Bandwidth & 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	RF Cable	Tongkaichuan	N/A	N/A	N/A
3	DC Block	Mini	N/A	N/A	N/A
4	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 11, 2021

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
5	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 11, 2021

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

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

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

10. EUT TEST PHOTOS

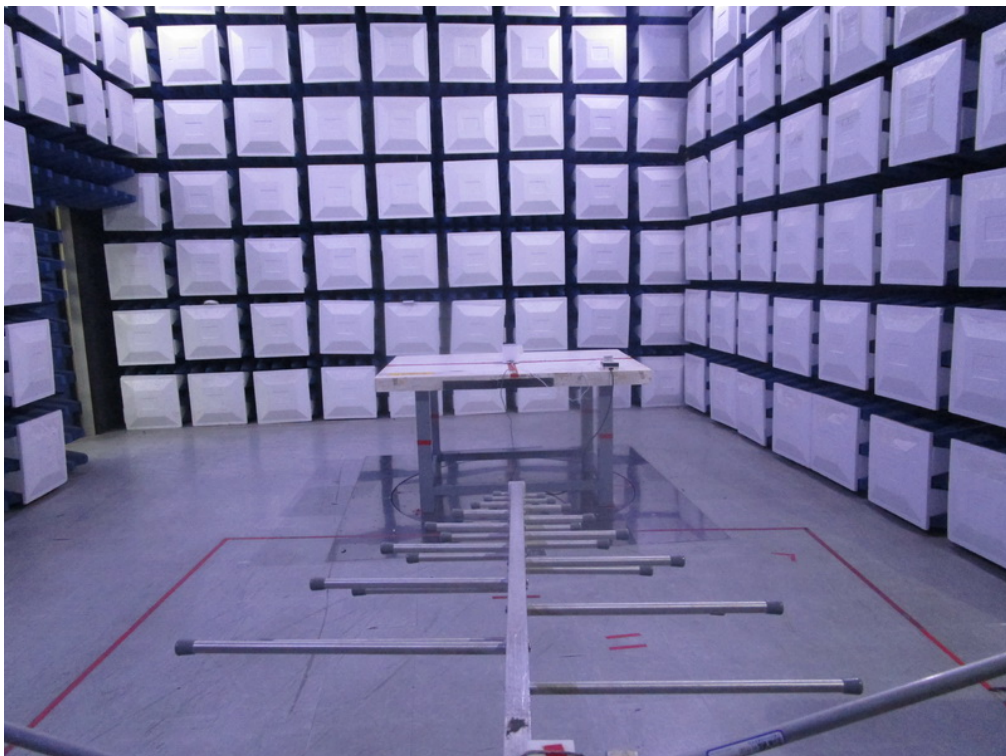
AC Power Line Conducted Emissions Test Photos



Radiated Emissions Test Photos**9 kHz to 30 MHz**

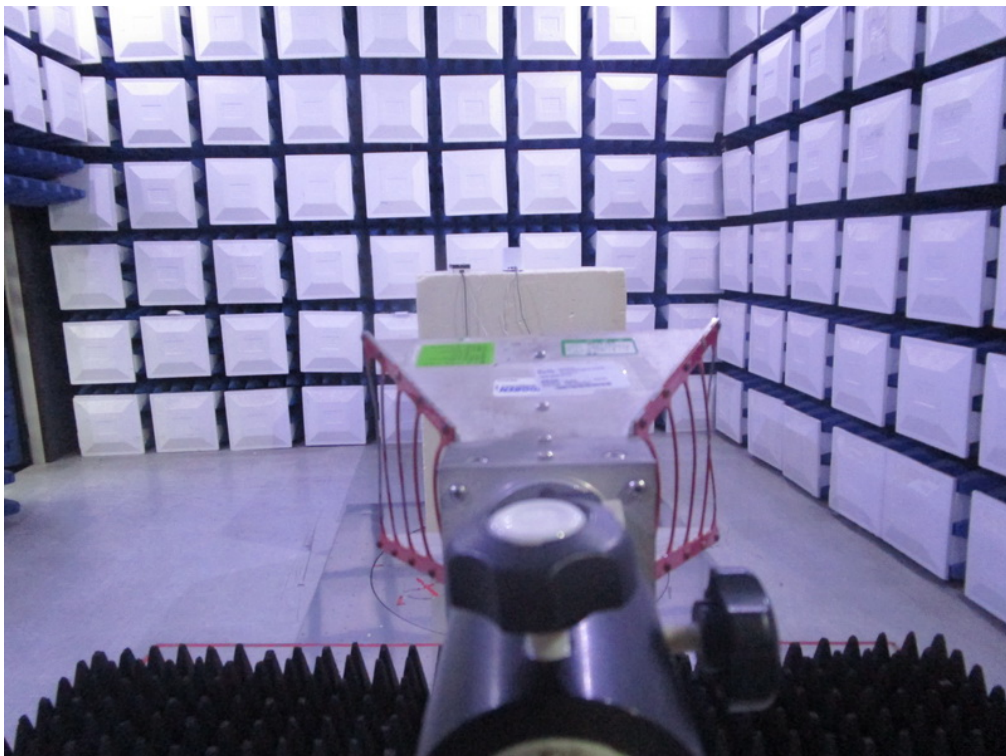
Radiated Emissions Test Photos

30 MHz to 1 GHz



Radiated Emissions Test Photos

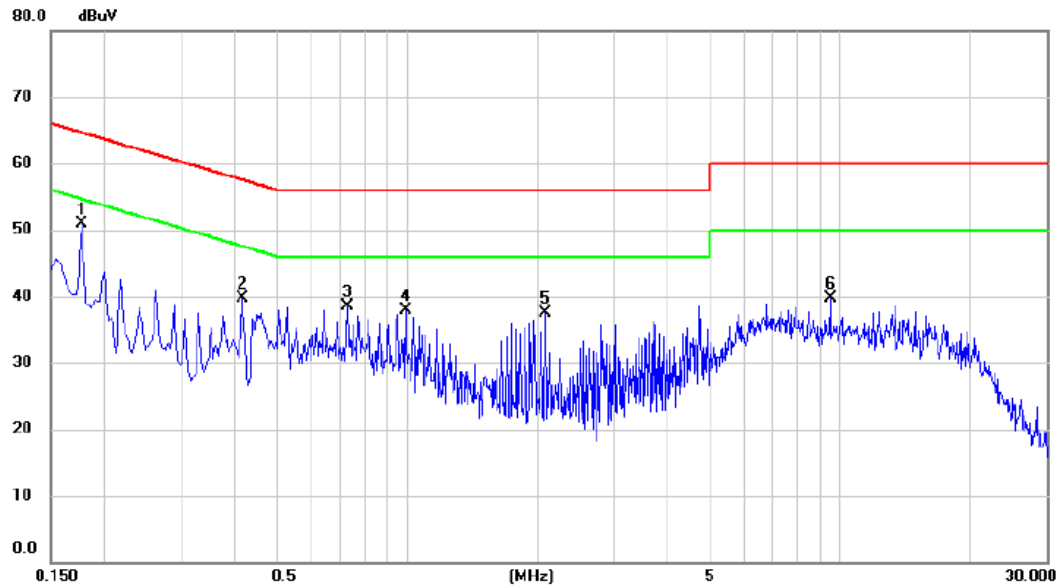
Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX AX20 MODE CHANNEL 165

Line



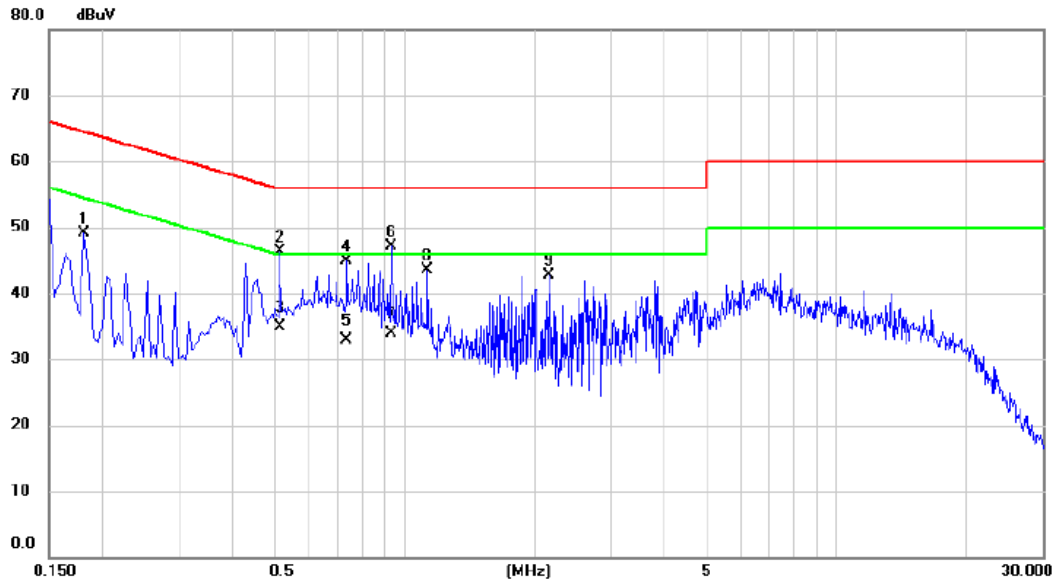
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1770	41.01	9.84	50.85	64.63	-13.78	peak	
2		0.4155	29.72	9.92	39.64	57.54	-17.90	peak	
3		0.7260	28.59	9.90	38.49	56.00	-17.51	peak	
4		0.9915	27.95	10.01	37.96	56.00	-18.04	peak	
5		2.0805	27.43	10.10	37.53	56.00	-18.47	peak	
6		9.5010	28.98	10.67	39.65	60.00	-20.35	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 AX20 MODE CHANNEL 165

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1815	39.13	9.94	49.07	64.42	-15.35	peak	
2		0.5144	36.22	10.15	46.37	56.00	-9.63	peak	
3		0.5144	24.70	10.15	34.85	46.00	-11.15	AVG	
4		0.7350	34.66	10.15	44.81	56.00	-11.19	peak	
5		0.7350	22.80	10.15	32.95	46.00	-13.05	AVG	
6	*	0.9330	36.87	10.28	47.15	56.00	-8.85	peak	
7		0.9330	23.70	10.28	33.98	46.00	-12.02	AVG	
8		1.1310	33.22	10.32	43.54	56.00	-12.46	peak	
9		2.1525	32.30	10.43	42.73	56.00	-13.27	peak	

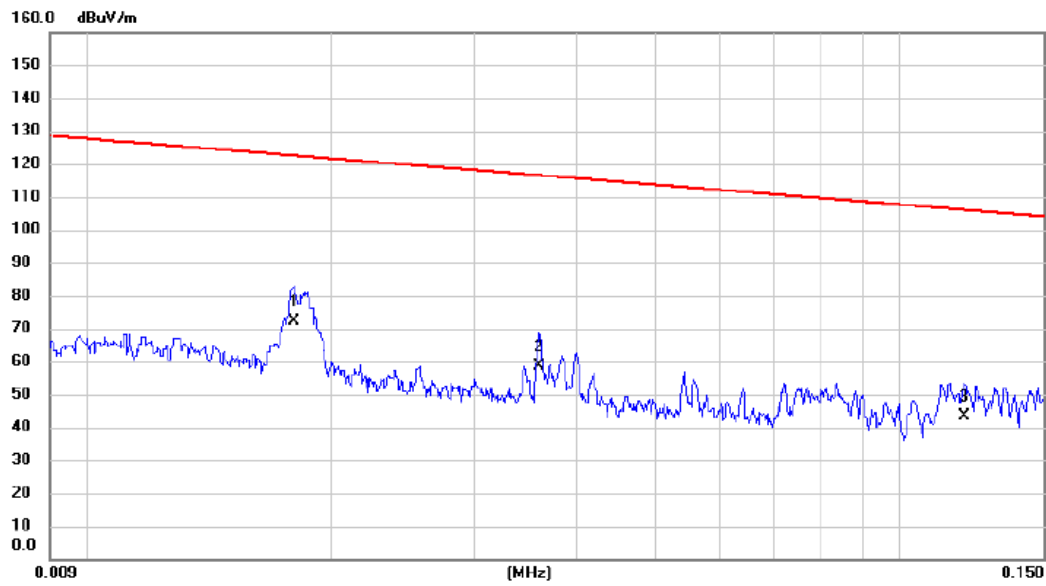
REMARKS:

- (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 AX20 MODE CHANNEL 165

Ant 0°

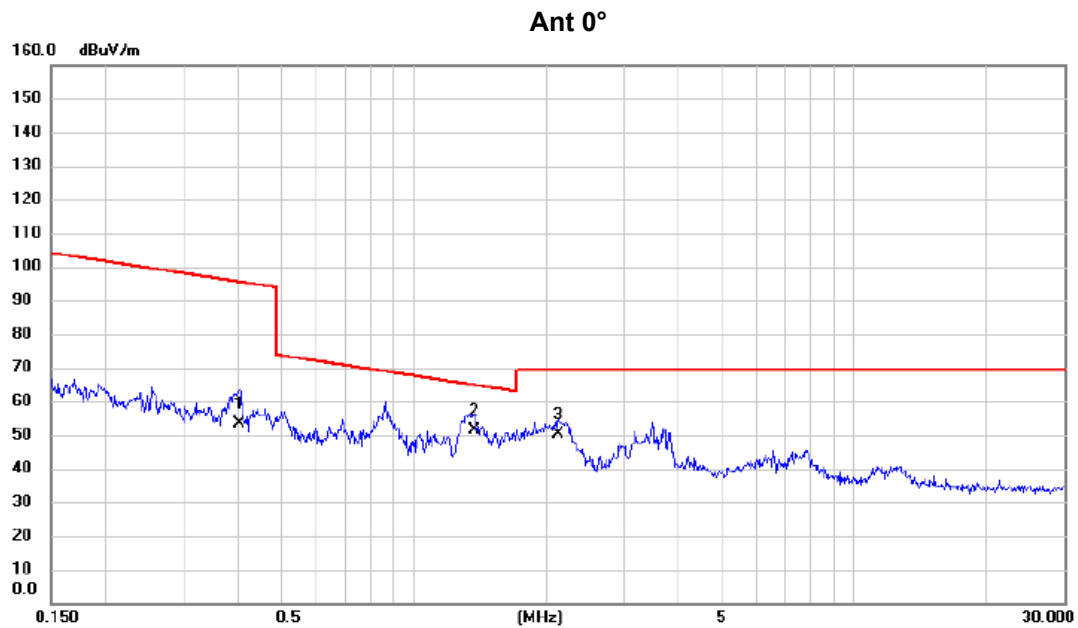


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0180	58.33	13.84	72.17	122.50	-50.33	AVG	
2		0.0360	45.74	12.79	58.53	116.48	-57.95	AVG	
3		0.1201	30.81	12.73	43.54	106.02	-62.48	AVG	

REMARKS:

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

Test Mode: TX AX20 MODE CHANNEL 165



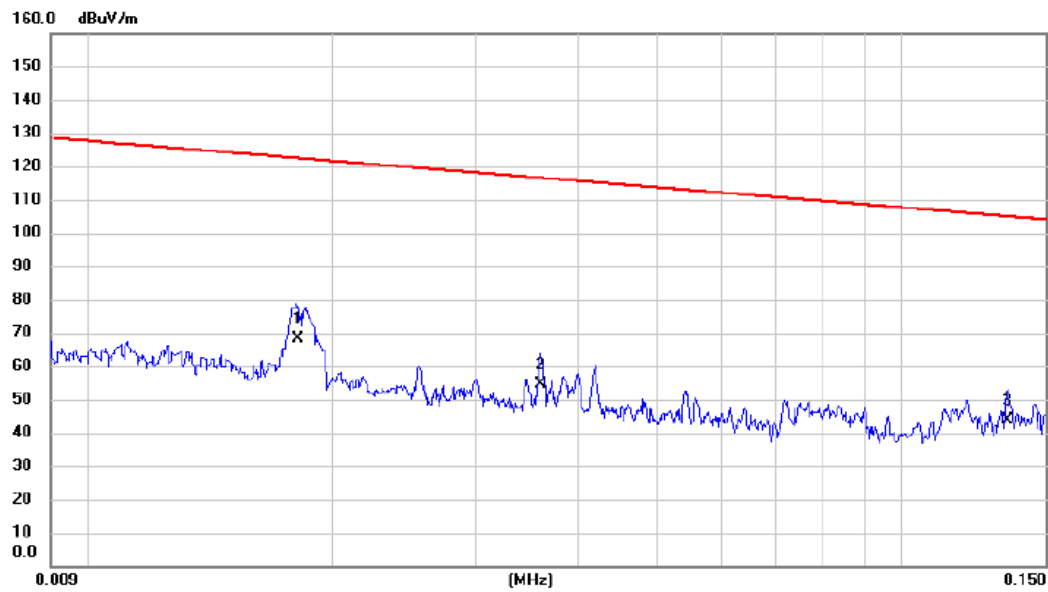
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.4020	41.22	12.25	53.47	95.52	-42.05	AVG	
2	*	1.3738	39.81	11.62	51.43	64.85	-13.42	QP	
3		2.1326	38.77	11.24	50.01	69.54	-19.53	QP	

REMARKS:

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

Test Mode: TX AX20 MODE CHANNEL 165

Ant 90°



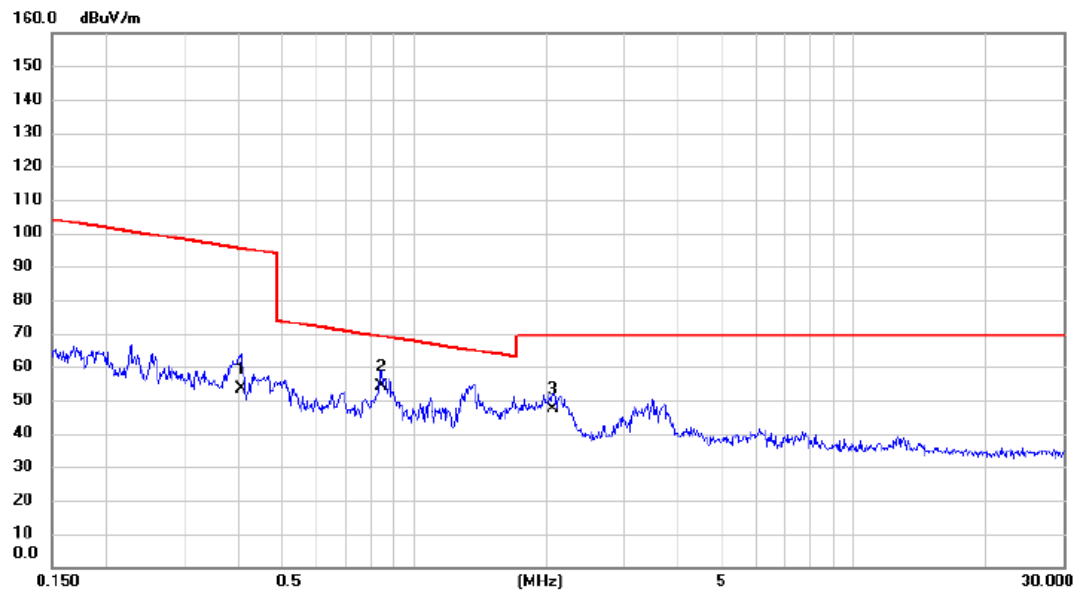
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0181	54.36	13.81	68.17	122.45	-54.28	AVG	
2		0.0360	41.71	12.79	54.50	116.48	-61.98	AVG	
3		0.1348	30.94	12.73	43.67	105.01	-61.34	AVG	

REMARKS:

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

Test Mode: TX AX20 MODE CHANNEL 165

Ant 90°



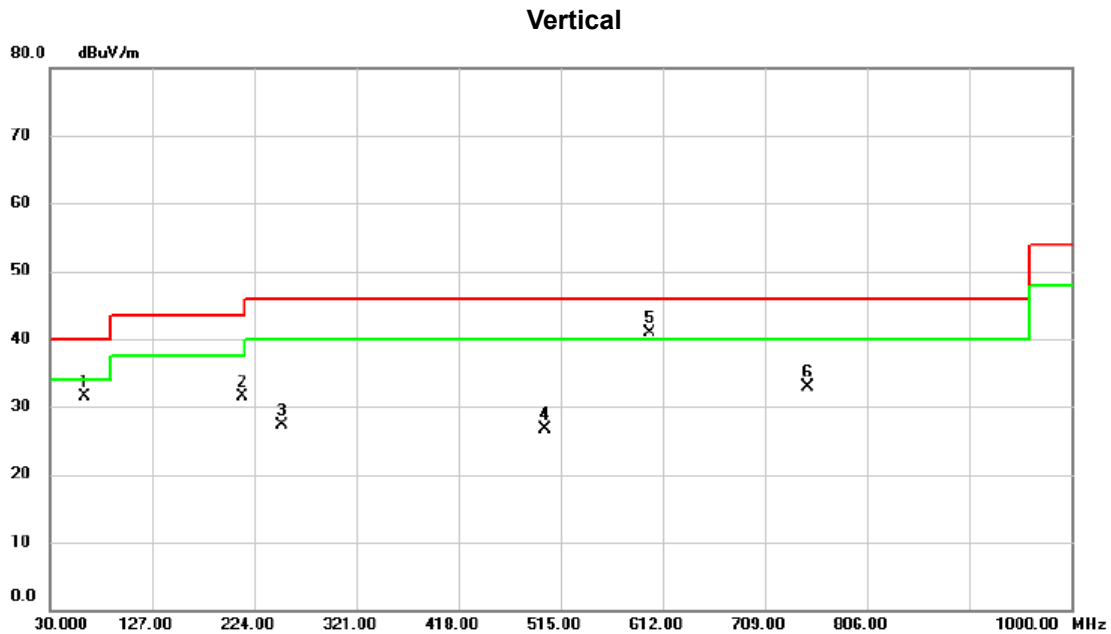
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.4040	41.20	12.25	53.45	95.48	-42.03	AVG	
2 *	0.8438	42.29	11.86	54.15	69.08	-14.93	QP	
3	2.0660	36.00	11.27	47.27	69.54	-22.27	QP	

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 AX20 MODE CHANNEL 165

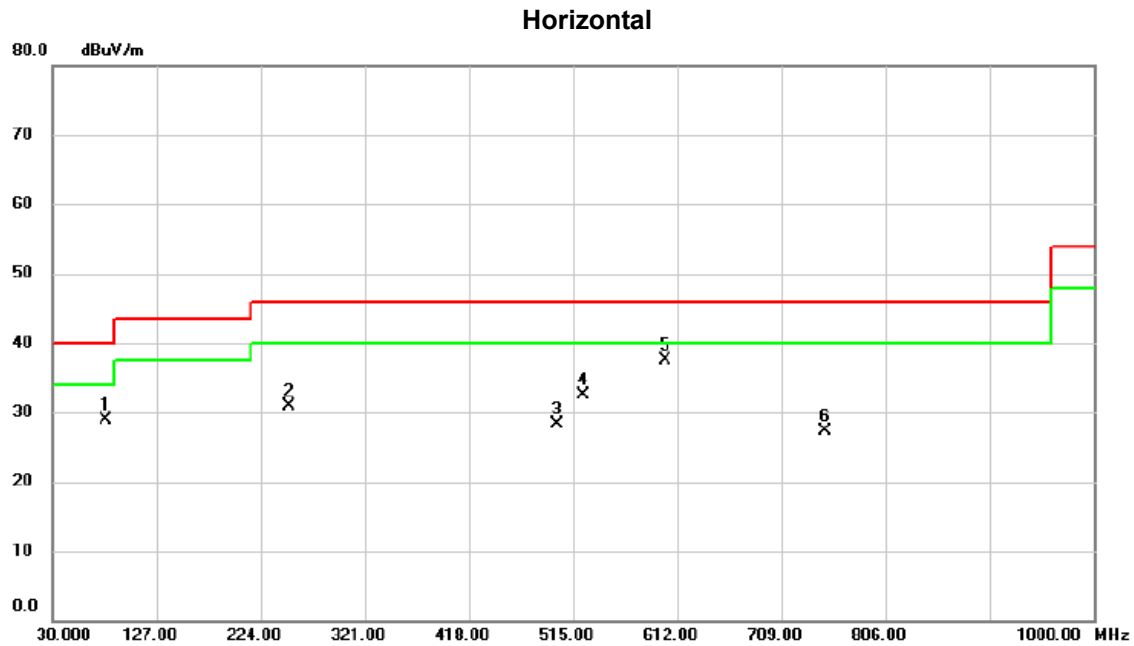


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		62.980	46.20	-14.72	31.48	40.00	-8.52	peak	
2		212.845	46.49	-14.95	31.54	43.50	-11.96	peak	
3		250.190	40.54	-13.28	27.26	46.00	-18.74	peak	
4		499.965	34.05	-7.26	26.79	46.00	-19.21	peak	
5 *		599.875	46.25	-5.35	40.90	46.00	-5.10	peak	
6		750.225	36.15	-3.20	32.95	46.00	-13.05	peak	

REMARKS:

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

Test Mode: TX AX20 MODE CHANNEL 165



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		79.470	46.50	-17.60	28.90	40.00	-11.10	peak	
2		250.190	44.16	-13.28	30.88	46.00	-15.12	peak	
3		499.965	35.58	-7.26	28.32	46.00	-17.68	peak	
4		524.215	39.49	-7.04	32.45	46.00	-13.55	peak	
5	*	600.360	42.81	-5.34	37.47	46.00	-8.53	peak	
6		750.225	30.51	-3.20	27.31	46.00	-18.69	peak	

REMARKS:

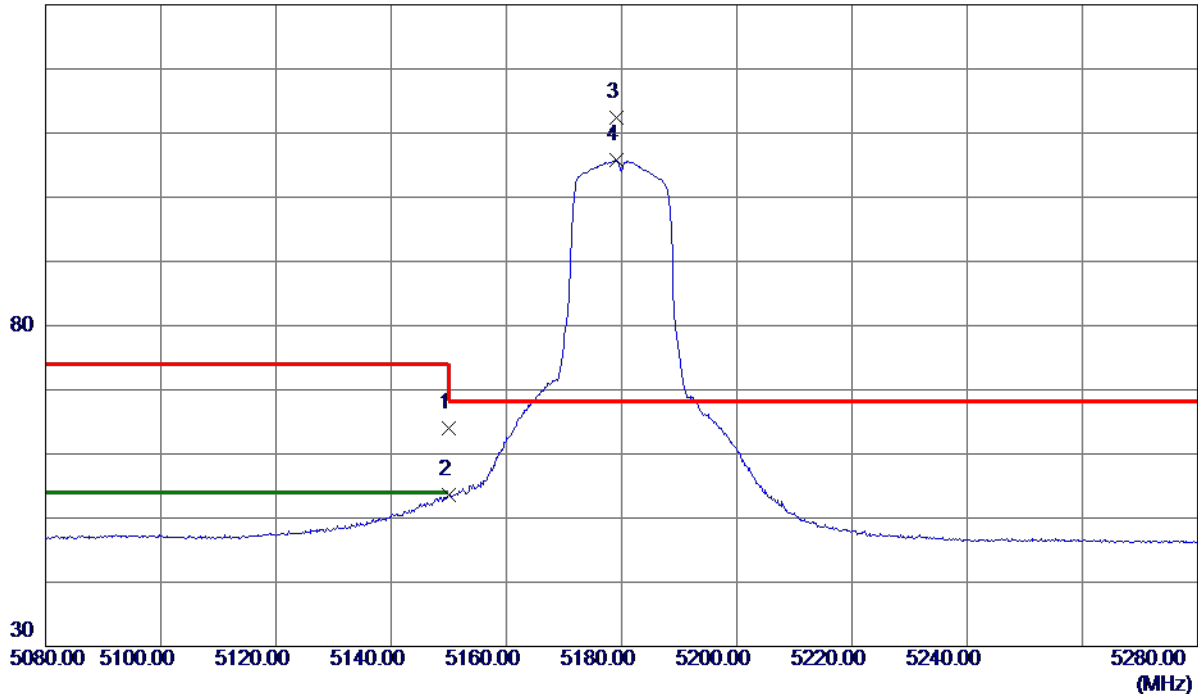
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

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

Vertical

130 dBuV/m

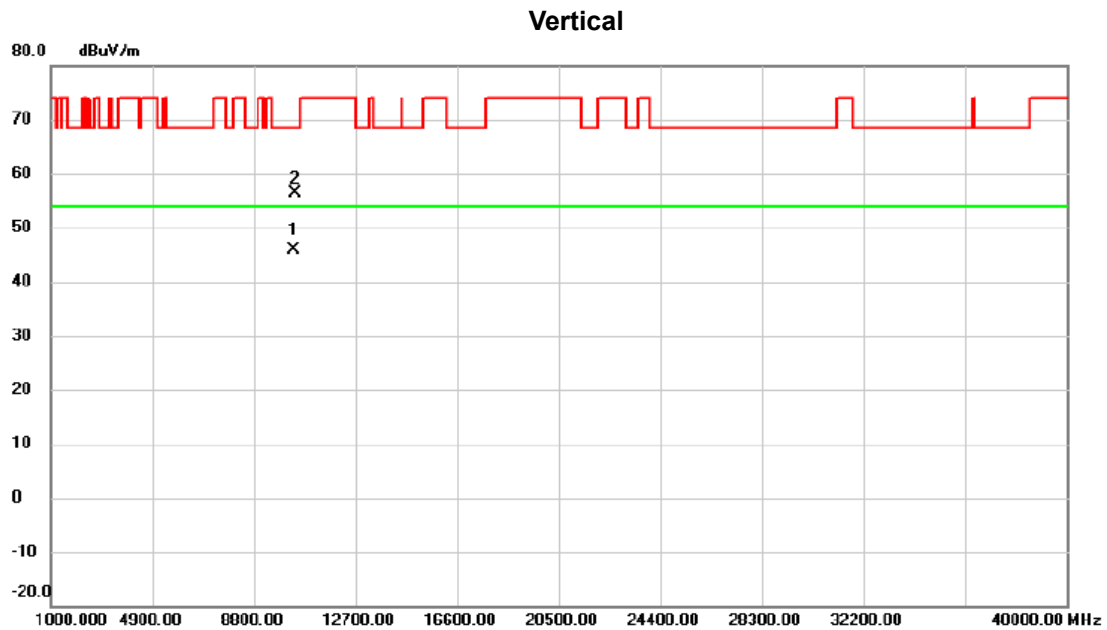


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	48.68	15.26	63.94	74.00	-10.06	Peak	
2	5150.0000	38.35	15.26	53.61	54.00	-0.39	AVG	
3 *	5179.2000	97.11	15.33	112.44	68.30	44.14	Peak	No Limit
4	5179.2000	90.48	15.33	105.81	999.00	-893.19	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 A 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	*	10359.090	33.61	12.29	45.90	54.00	-8.10	AVG	
2		10361.600	44.20	12.29	56.49	68.30	-11.81	peak	

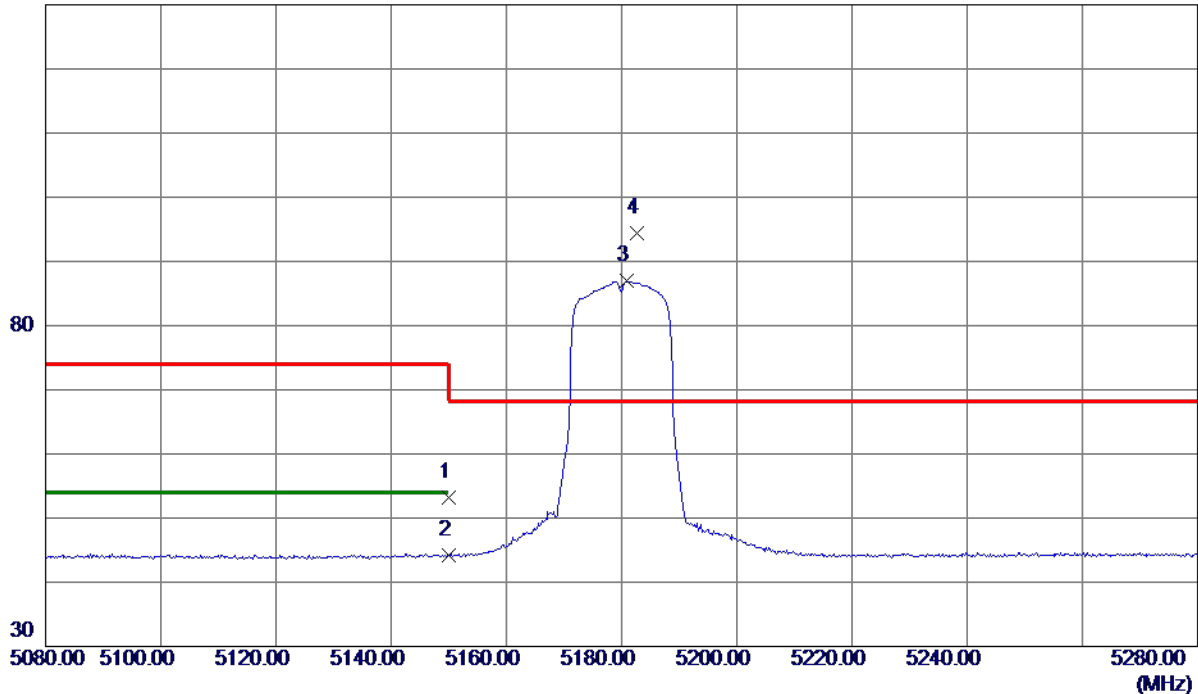
REMARKS:

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

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

Horizontal

130 dBuV/m

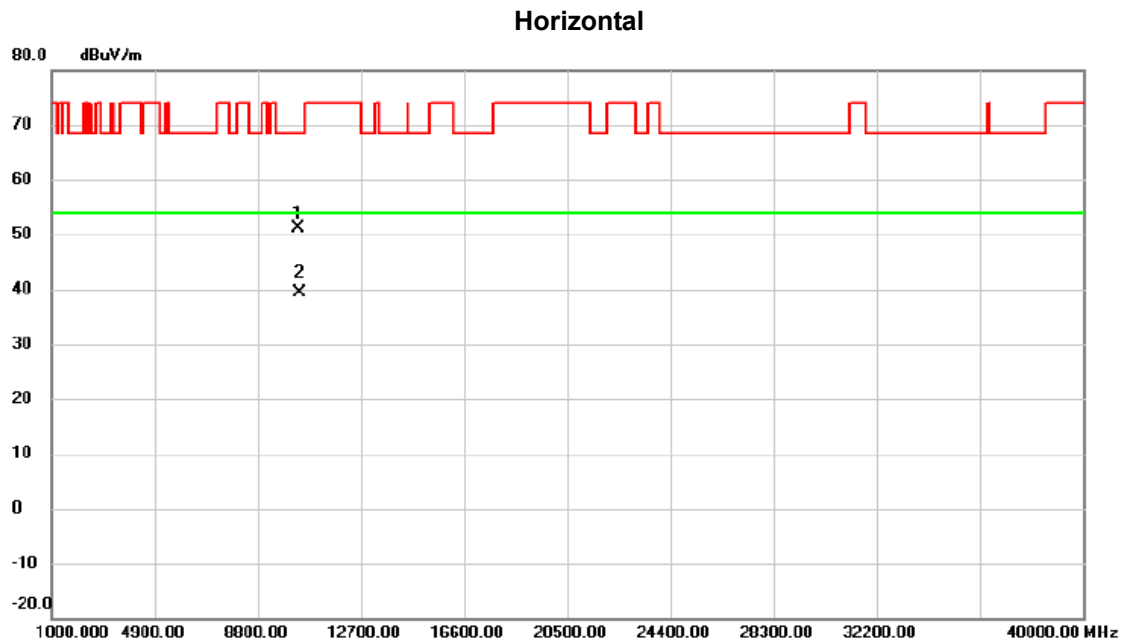


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	37.92	15.26	53.18	74.00	-20.82	Peak	
2	5150.0000	29.03	15.26	44.29	54.00	-9.71	AVG	
3	5180.8000	71.64	15.33	86.97	999.00	-912.03	AVG	No Limit
4 *	5182.6000	79.00	15.34	94.34	68.30	26.04	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 A 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		10359.040	38.87	12.29	51.16	68.30	-17.14	peak	
2	*	10361.710	27.12	12.29	39.41	54.00	-14.59	AVG	

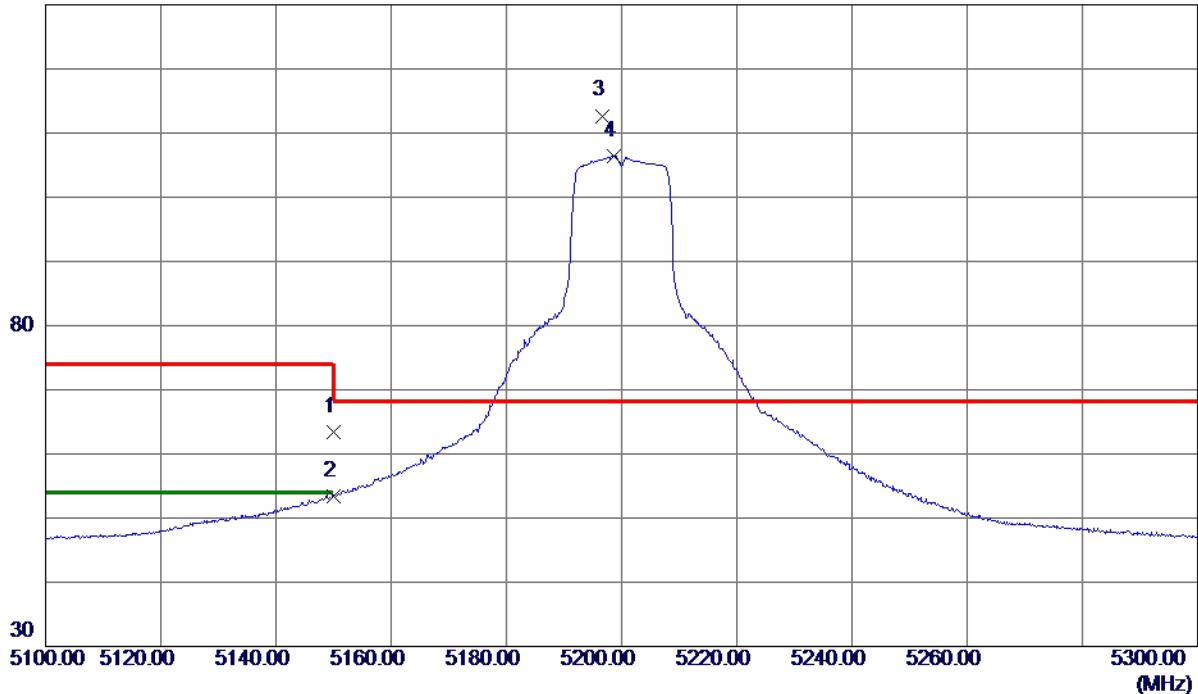
REMARKS:

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

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

Vertical

130 dBuV/m

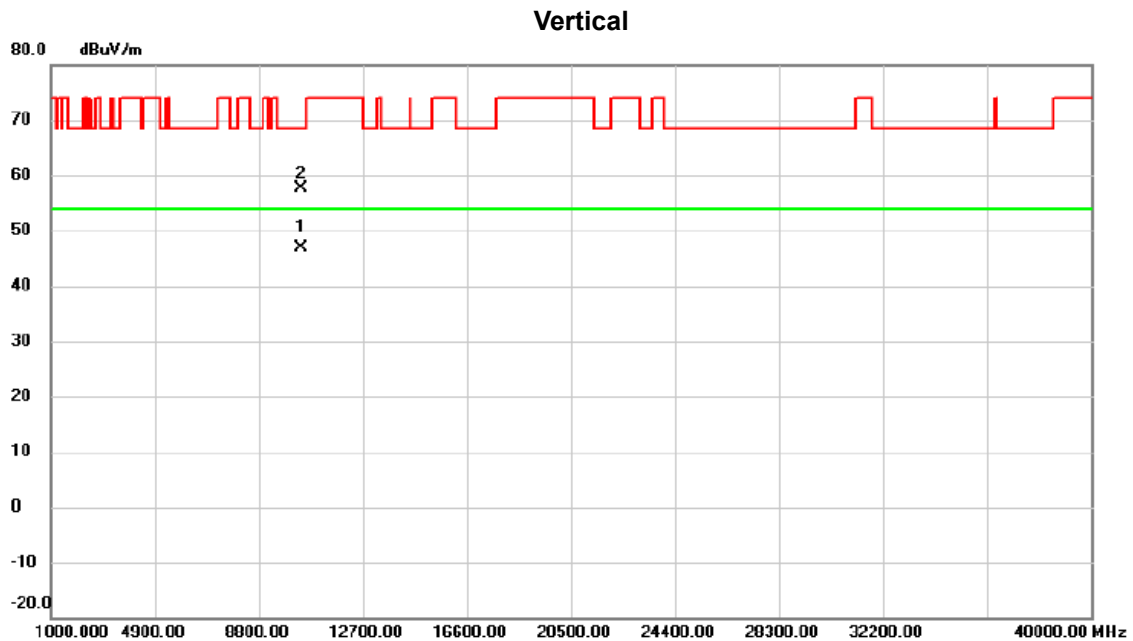


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	48.12	15.26	63.38	74.00	-10.62	Peak	
2	5150.0000	38.10	15.26	53.36	54.00	-0.64	AVG	
3 *	5196.6000	97.33	15.37	112.70	68.30	44.40	Peak	No Limit
4	5198.7000	91.02	15.38	106.40	999.00	-892.60	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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	10398.140	34.60	12.31	46.91	54.00	-7.09	AVG	
2		10402.540	45.43	12.31	57.74	68.30	-10.56	peak	

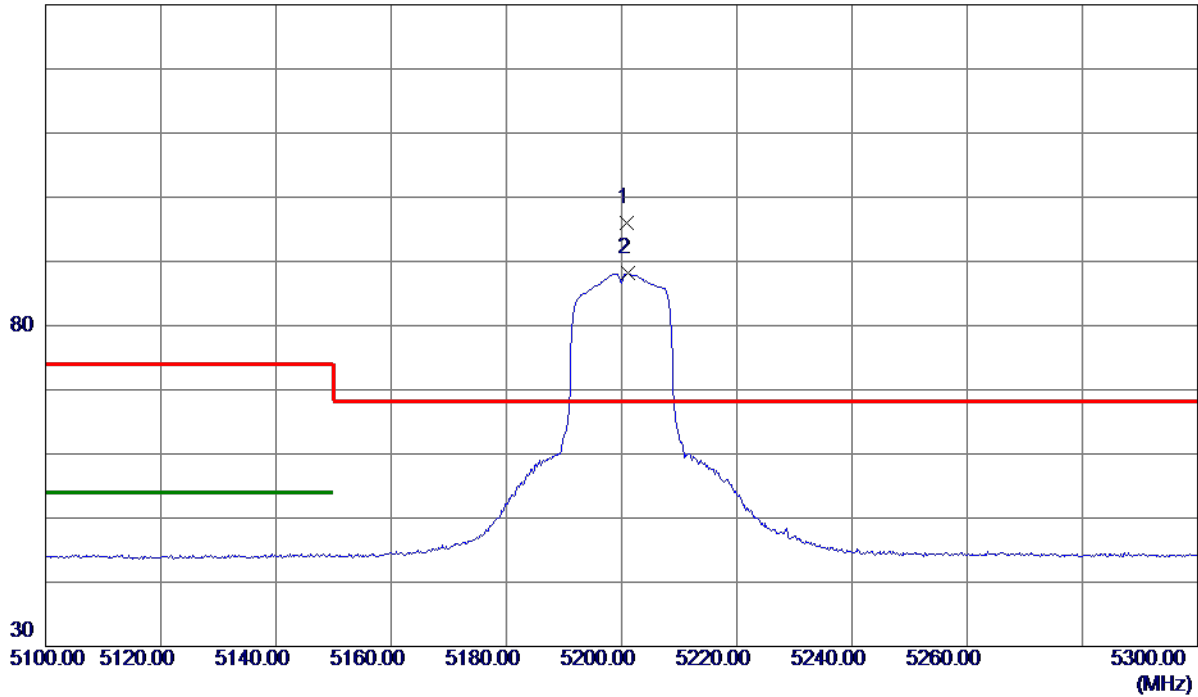
REMARKS:

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

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

Horizontal

130 dBuV/m

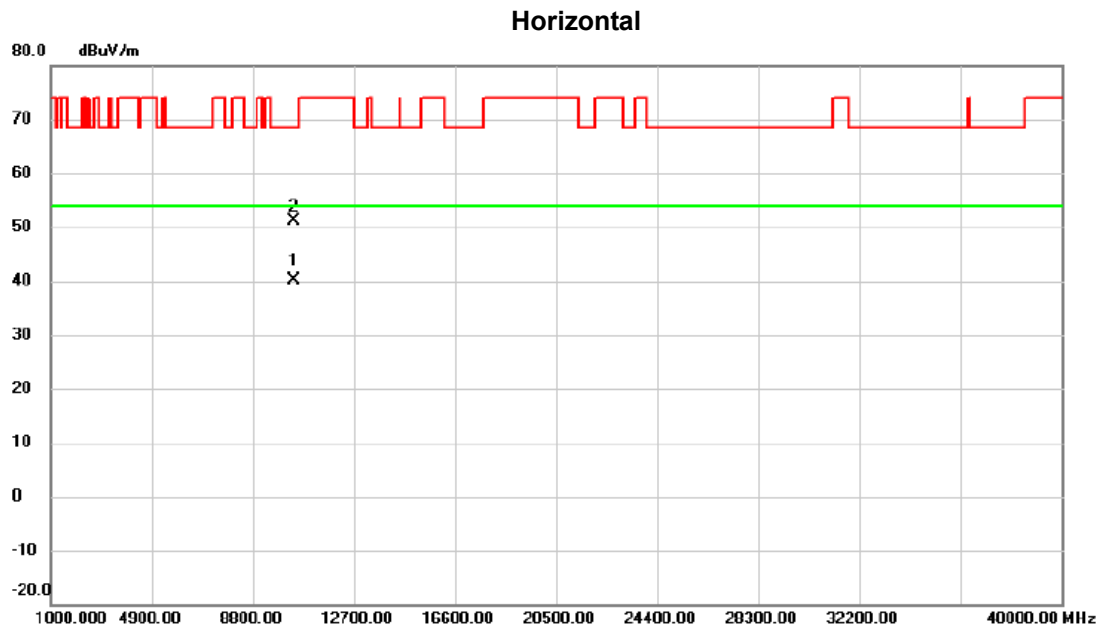


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5200.8000	80.65	15.38	96.03	68.30	27.73	Peak	No Limit
2	5201.2000	72.82	15.38	88.20	999.00	-910.80	AVG	No Limit

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	10405.130	27.73	12.31	40.04	54.00	-13.96	AVG	
2		10406.780	38.93	12.31	51.24	68.30	-17.06	peak	

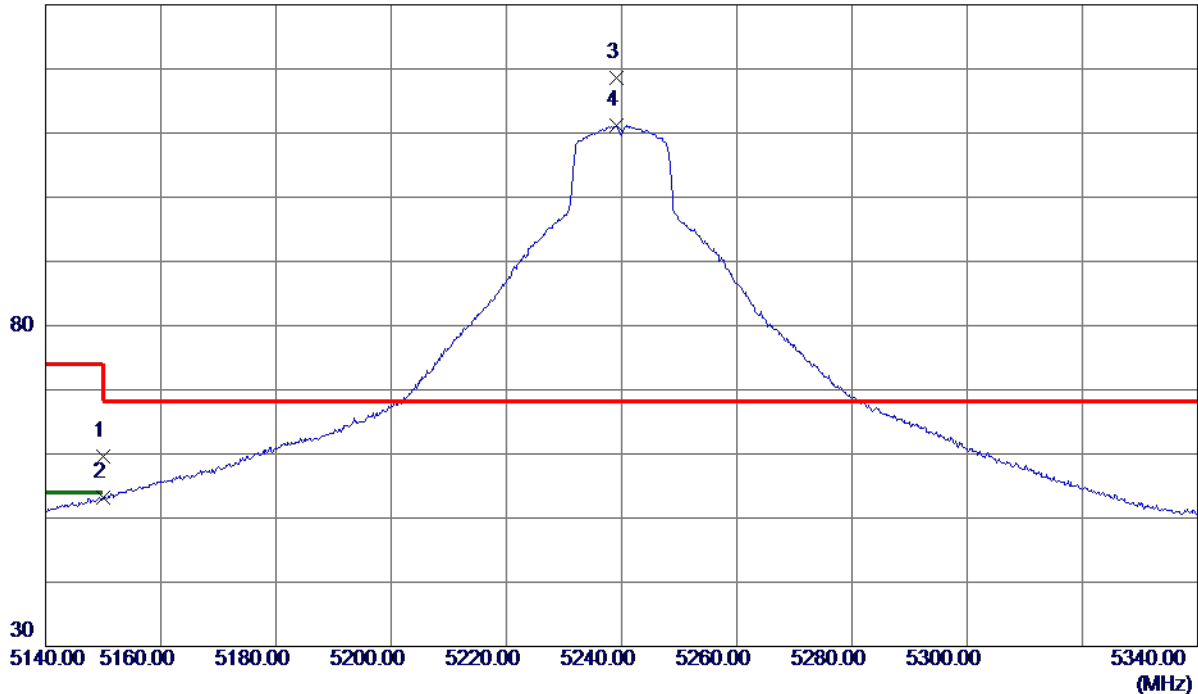
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX 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	5150.0000	44.37	15.26	59.63	74.00	-14.37	Peak	
2	5150.0000	37.99	15.26	53.25	54.00	-0.75	AVG	
3 *	5239.1000	103.07	15.47	118.54	68.30	50.24	Peak	No Limit
4	5239.2000	95.77	15.47	111.24	999.00	-887.76	AVG	No Limit

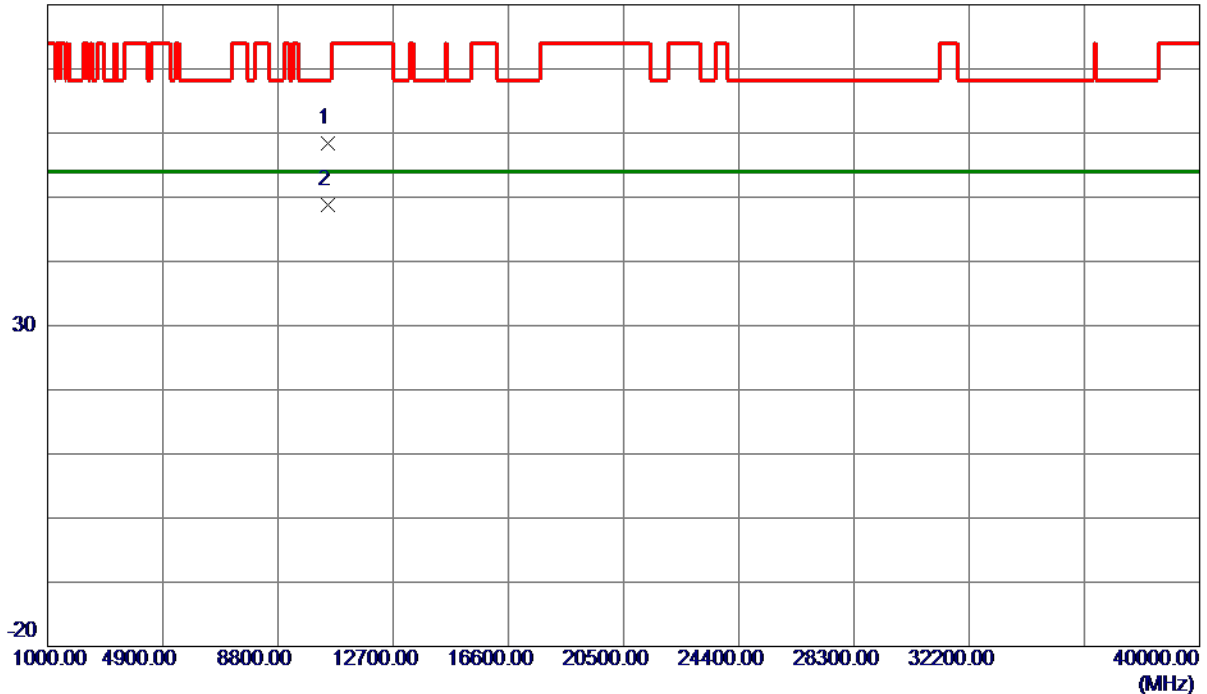
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 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	10473.1900	46.04	12.36	58.40	68.30	-9.90	Peak	
2 *	10480.0300	36.47	12.36	48.83	54.00	-5.17	AVG	

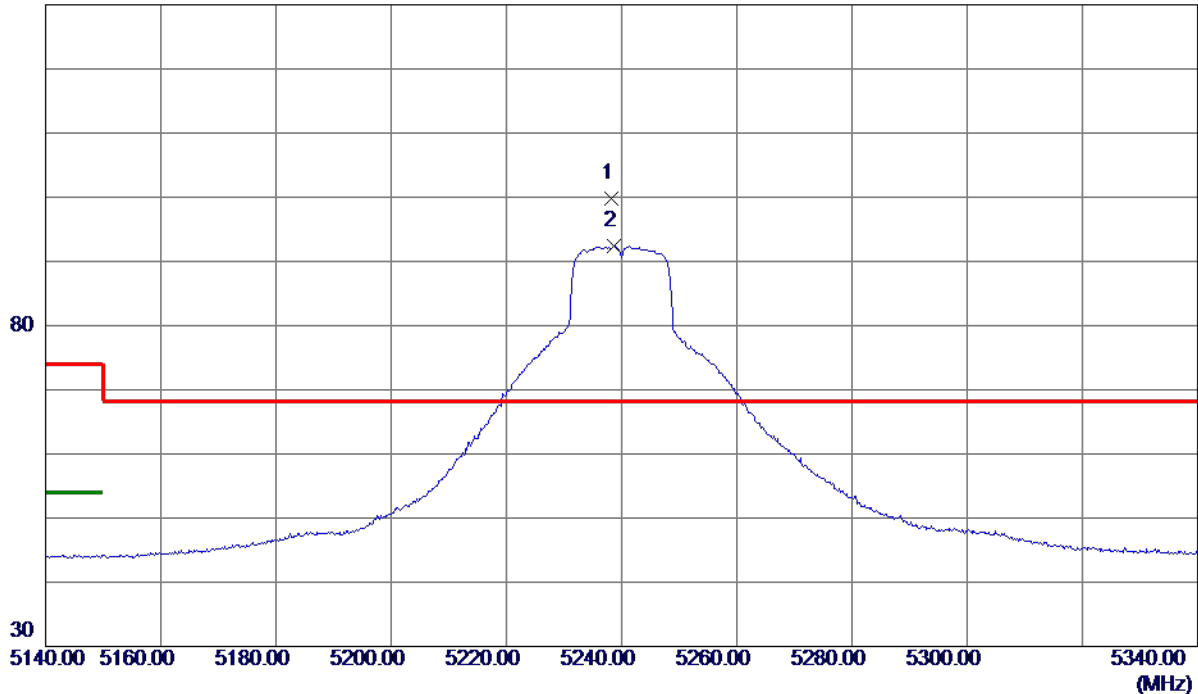
REMARKS:

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

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

Horizontal

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 *	5238.2000	84.36	15.47	99.83	68.30	31.53	Peak	No Limit
2	5238.6000	76.93	15.47	92.40	999.00	-906.60	AVG	No Limit

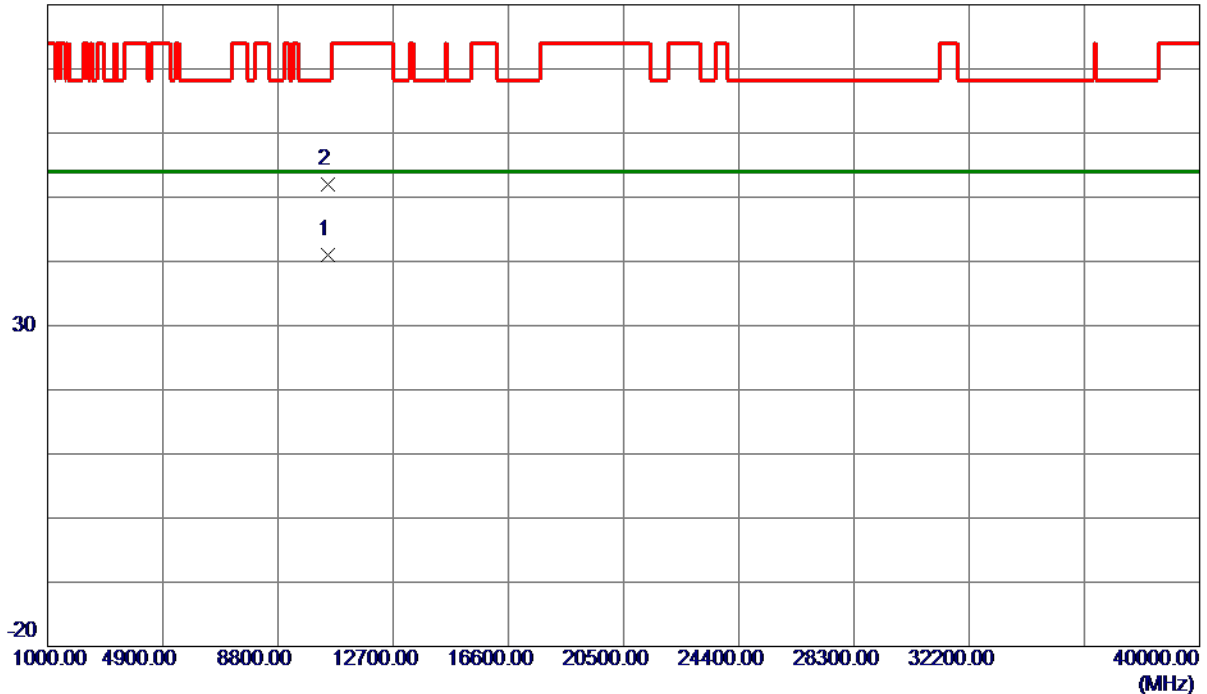
REMARKS:

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10478.7100	28.63	12.36	40.99	54.00	-13.01	AVG	
2	10486.4800	39.55	12.37	51.92	68.30	-16.38	Peak	

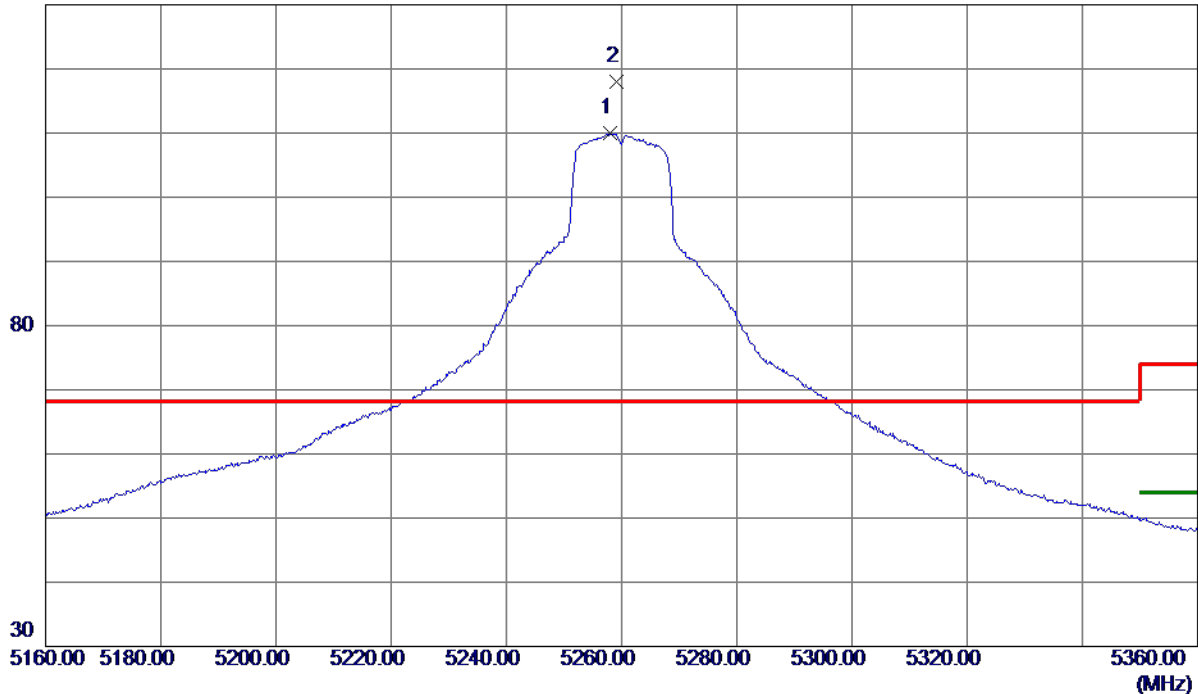
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 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	5258.0000	94.46	15.51	109.97	999.00	-889.03	AVG	No Limit
2 *	5259.1000	102.39	15.51	117.90	68.30	49.60	Peak	No Limit

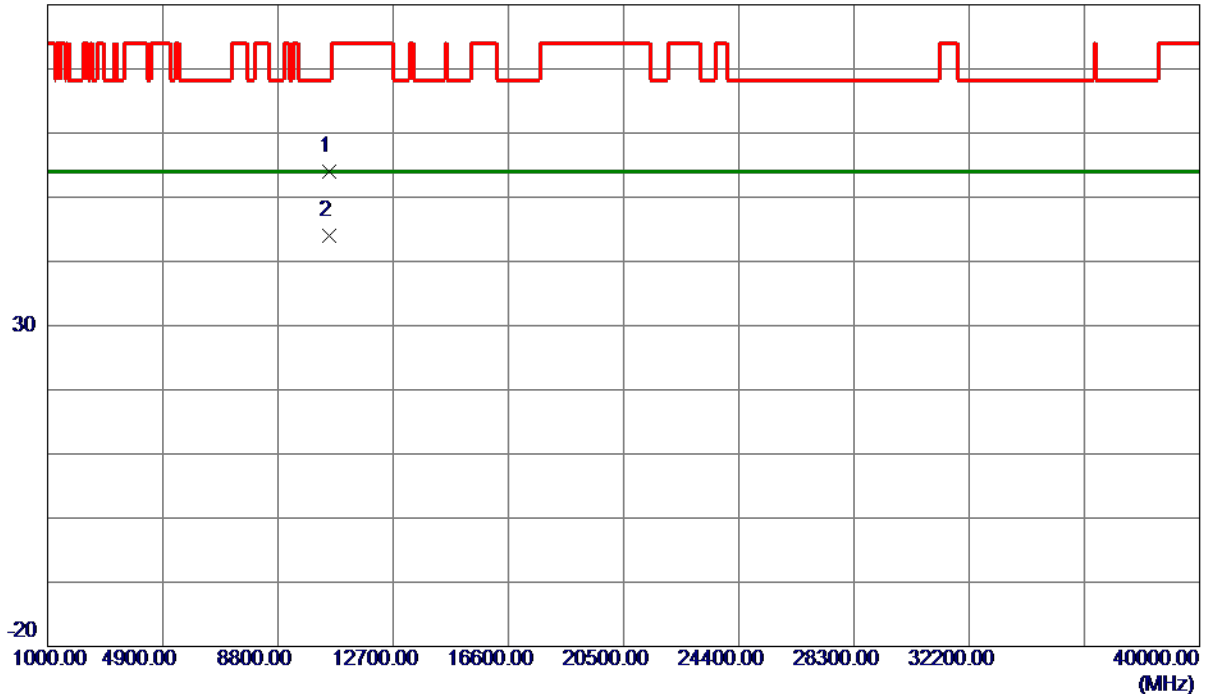
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 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	10517.6000	41.68	12.39	54.07	68.30	-14.23	Peak	
2 *	10518.6800	31.66	12.39	44.05	54.00	-9.95	AVG	

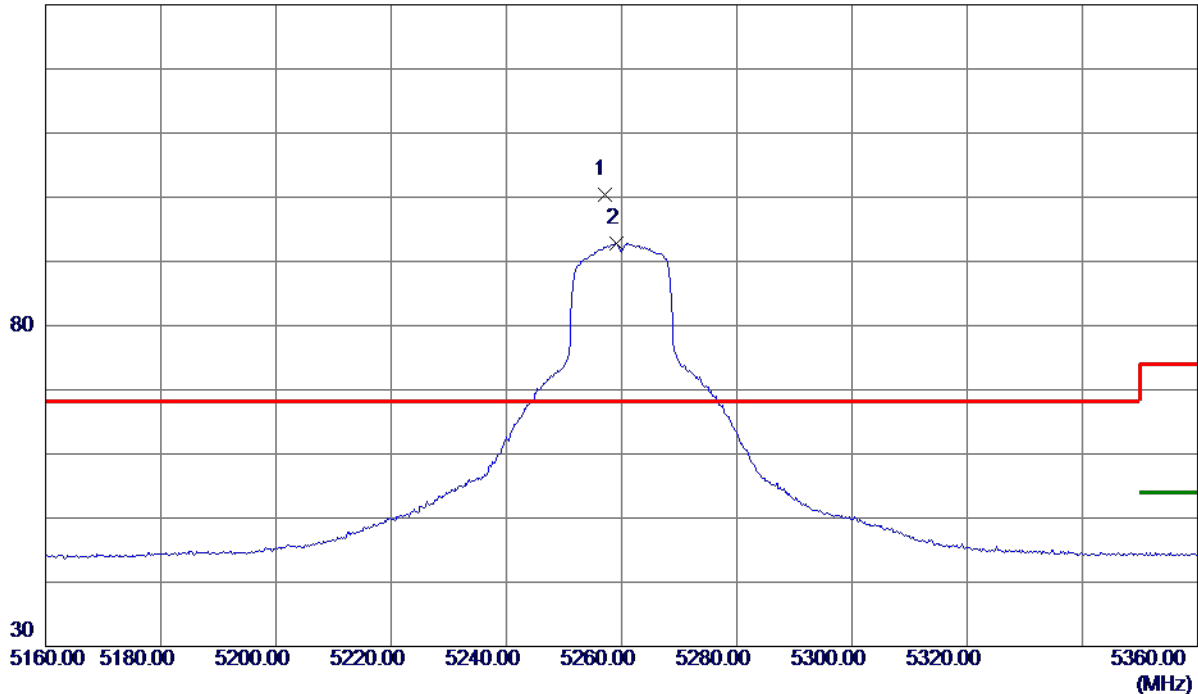
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5257.0000	84.92	15.51	100.43	68.30	32.13	Peak	No Limit
2	5259.2000	77.28	15.51	92.79	999.00	-906.21	AVG	No Limit

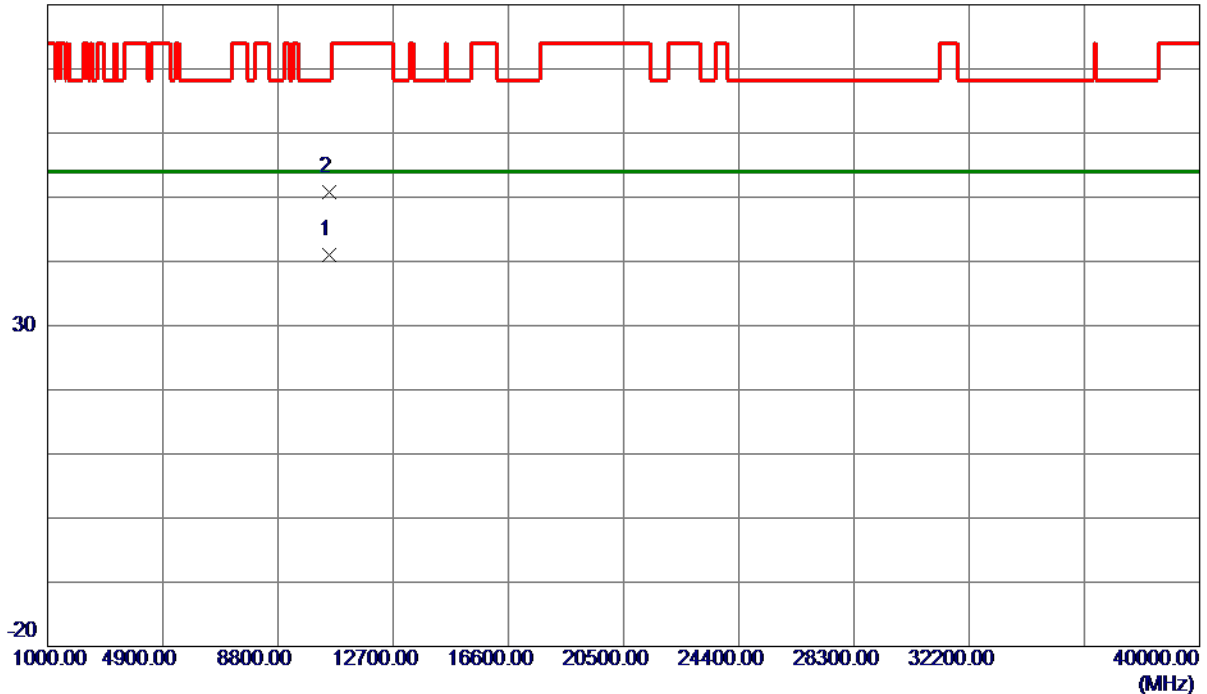
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 MHz

Horizontal

80 dBuV/m

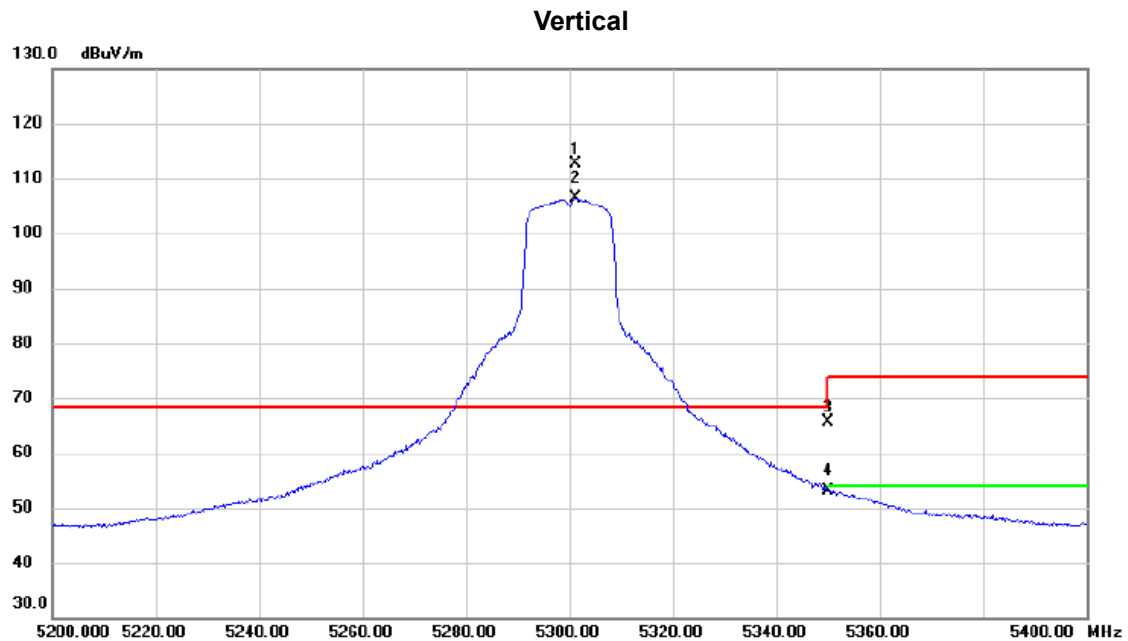


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10516.0400	28.59	12.39	40.98	54.00	-13.02	AVG	
2	10517.6600	38.50	12.39	50.89	68.30	-17.41	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5300 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5301.200	97.02	15.60	112.62	68.30	44.32	peak	No Limit
2	X	5301.300	90.75	15.60	106.35	68.30	38.05	AVG	No Limit
3		5350.000	50.00	15.72	65.72	74.00	-8.28	peak	
4		5350.000	37.33	15.72	53.05	54.00	-0.95	AVG	

REMARKS:

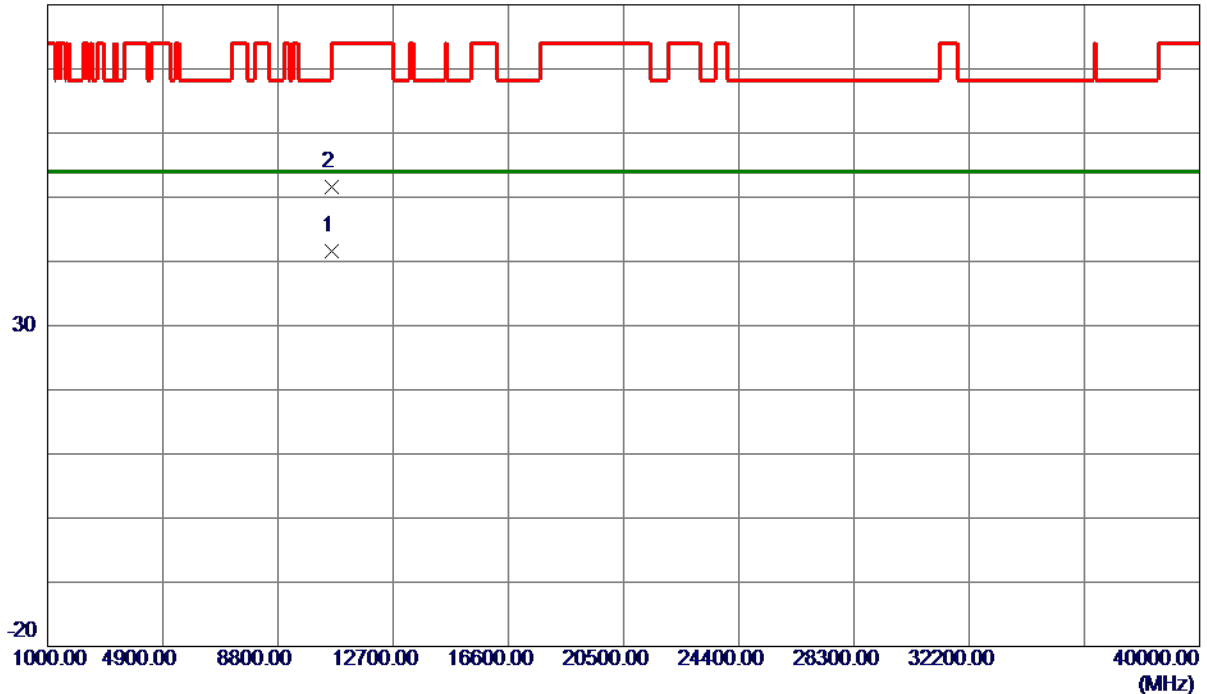
(1) Measurement Value = Reading Level + Correct Factor.

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5300 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 *	10599.4000	29.17	12.46	41.63	54.00	-12.37	AVG	
2	10600.1800	39.10	12.46	51.56	74.00	-22.44	Peak	

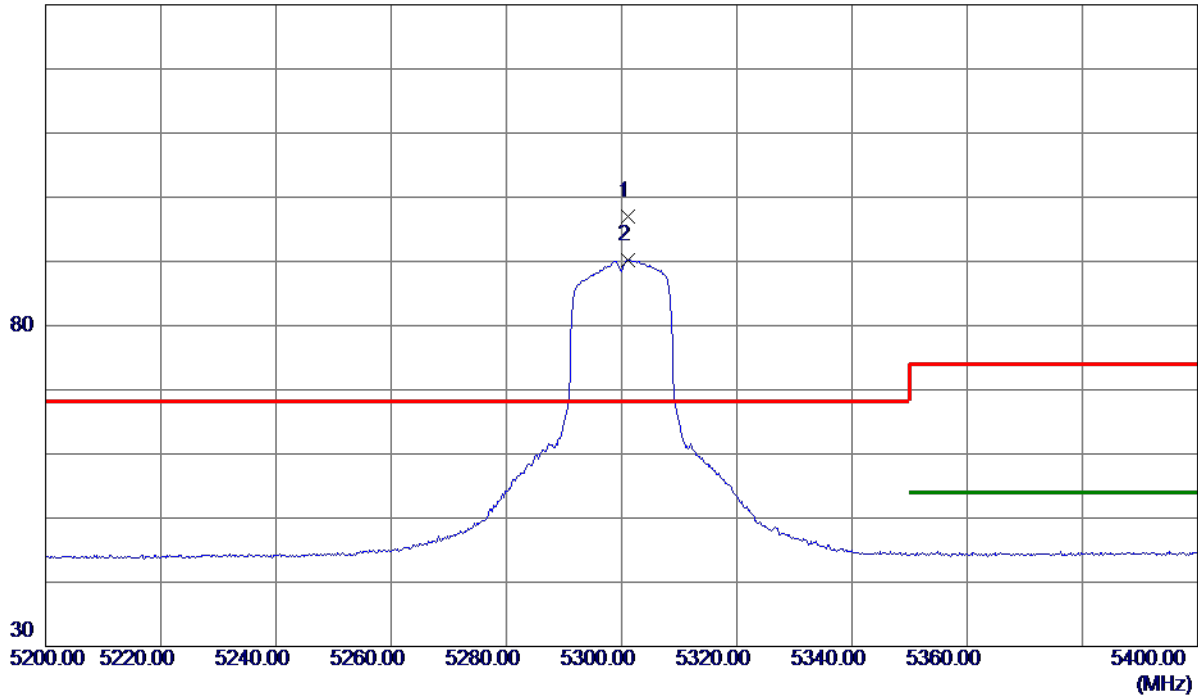
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5300 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5301.2000	81.42	15.61	97.03	68.30	28.73	Peak	No Limit
2	5301.2000	74.61	15.61	90.22	999.00	-908.78	AVG	No Limit

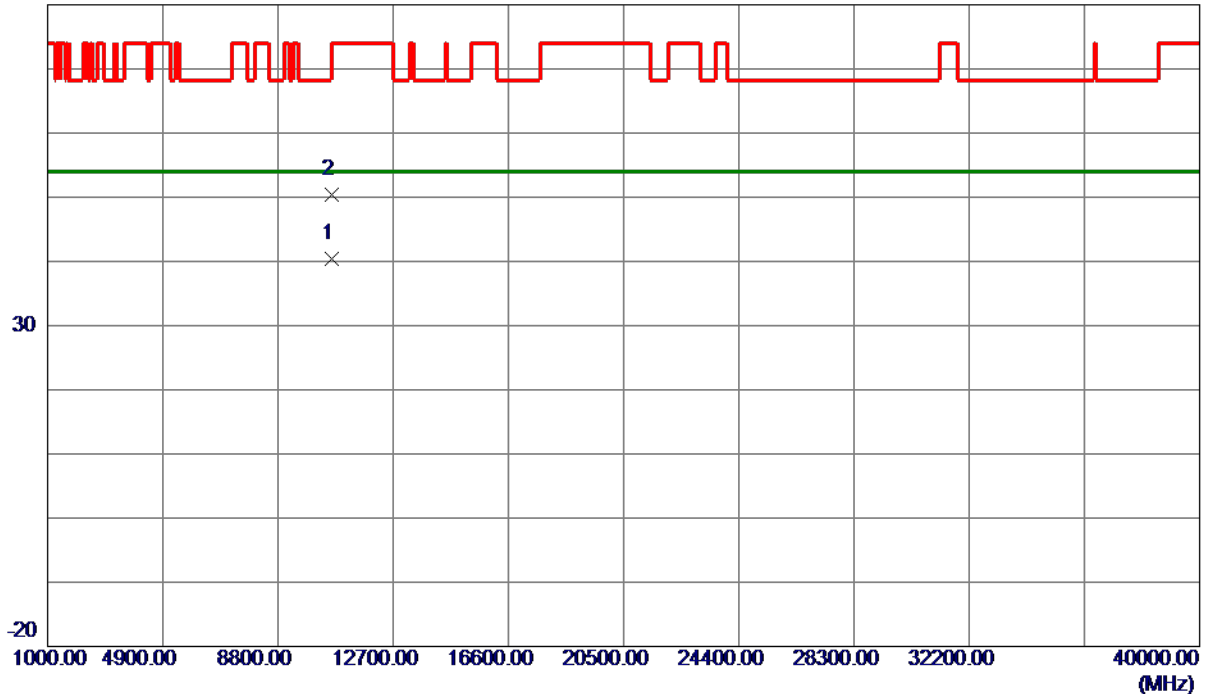
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5300 MHz

Horizontal

80 dBuV/m

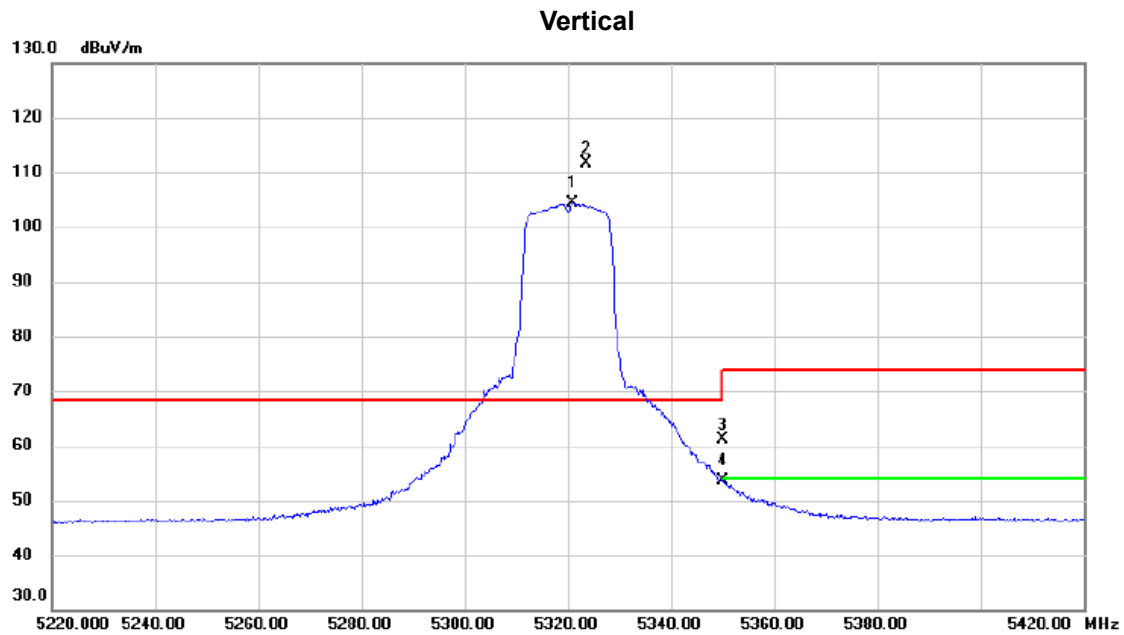


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10607.9200	27.88	12.46	40.34	54.00	-13.66	AVG	
2	10610.8900	37.86	12.46	50.32	74.00	-23.68	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5320.900	88.73	15.65	104.38	68.30	36.08	AVG	No Limit
2	*	5323.700	95.87	15.65	111.52	68.30	43.22	peak	No Limit
3		5350.000	45.30	15.72	61.02	74.00	-12.98	peak	
4		5350.000	37.91	15.72	53.63	54.00	-0.37	AVG	

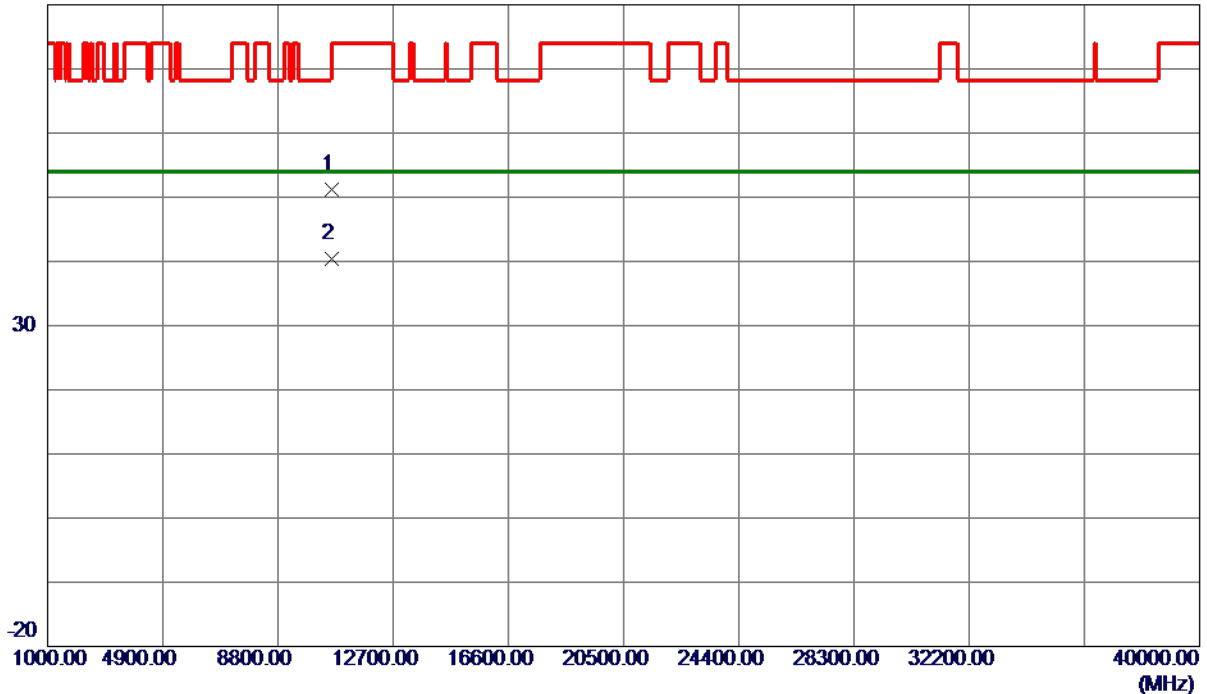
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz

Vertical

80 dBuV/m

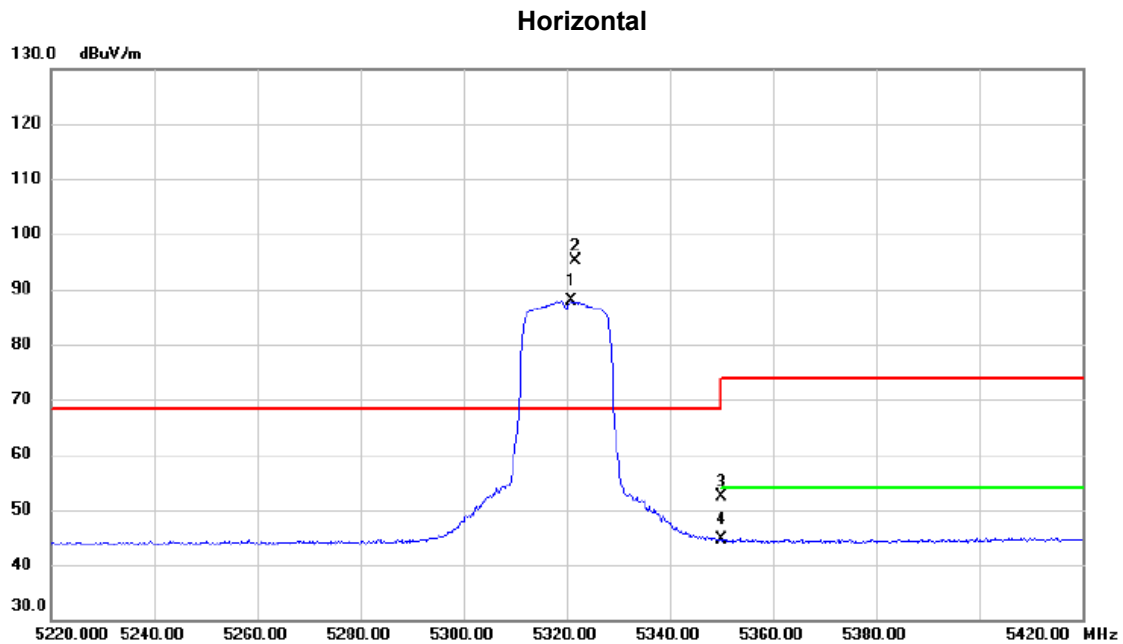


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10625.5100	38.76	12.48	51.24	74.00	-22.76	Peak	
2 *	10633.7000	27.92	12.48	40.40	54.00	-13.60	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5320.800	72.32	15.65	87.97	68.30	19.67	AVG	No Limit
2	*	5321.600	79.43	15.65	95.08	68.30	26.78	peak	No Limit
3		5350.000	36.55	15.72	52.27	74.00	-21.73	peak	
4		5350.000	29.02	15.72	44.74	54.00	-9.26	AVG	

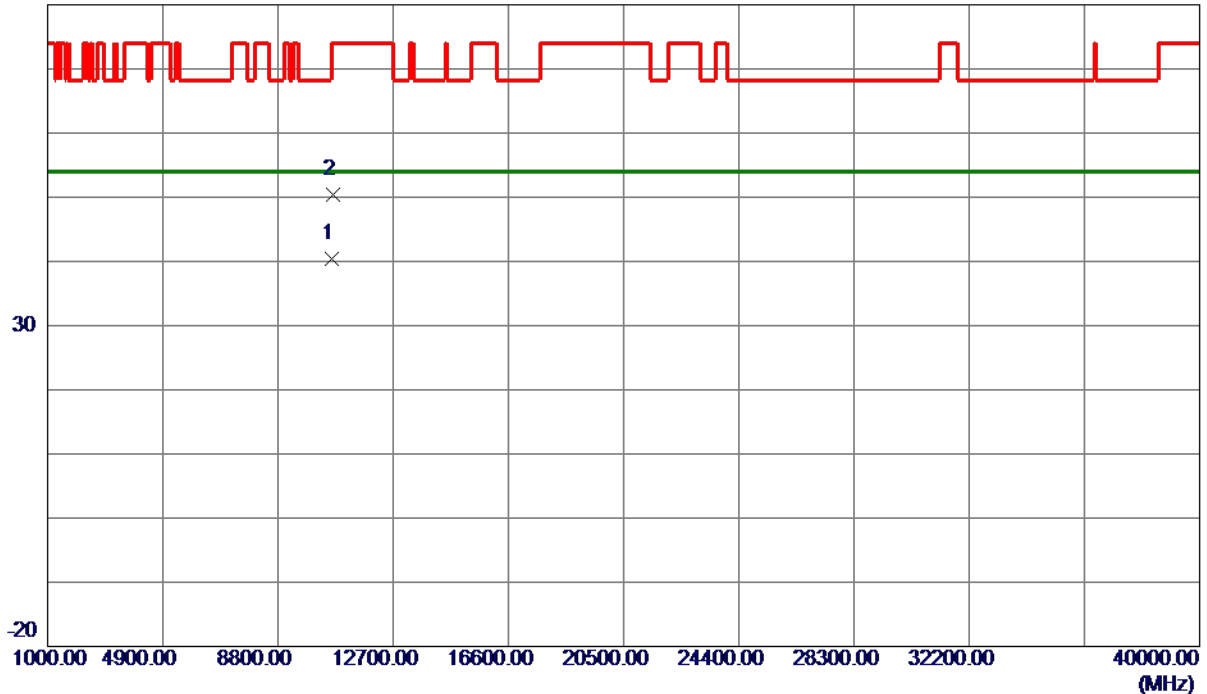
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10638.2300	27.85	12.49	40.34	54.00	-13.66	AVG	
2	10647.1700	37.87	12.49	50.36	74.00	-23.64	Peak	

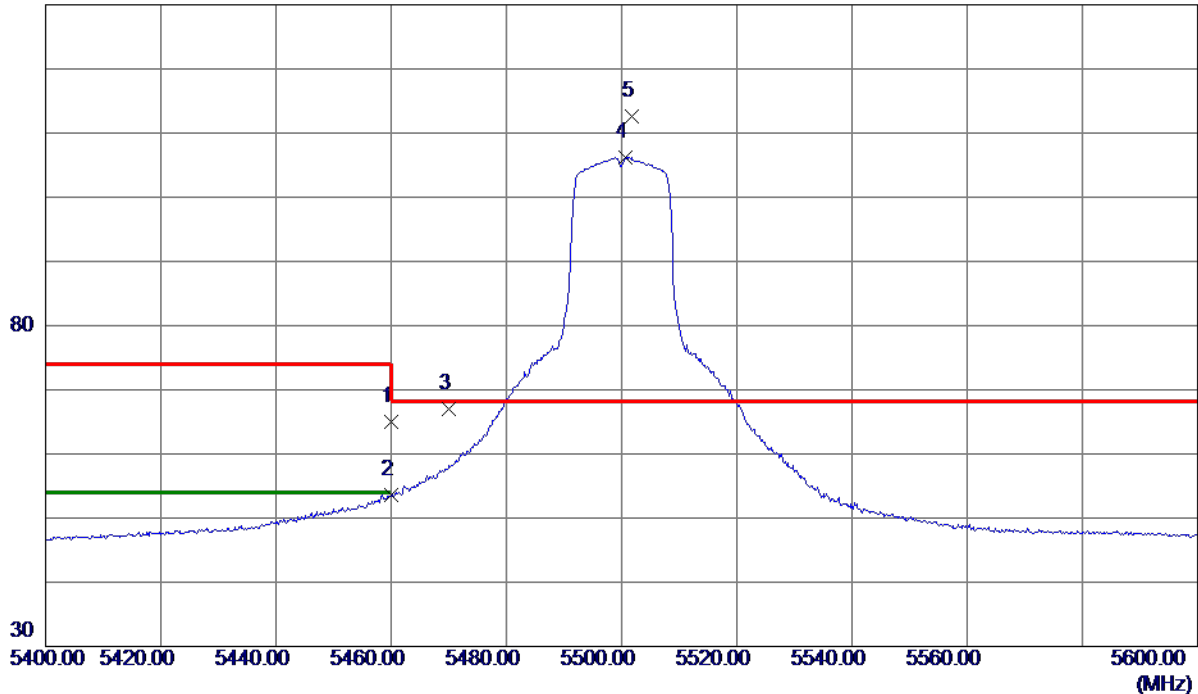
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 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	5460.0000	48.95	15.97	64.92	74.00	-9.08	Peak	
2	5460.0000	37.55	15.97	53.52	54.00	-0.48	AVG	
3	5470.0000	51.06	16.00	67.06	68.30	-1.24	Peak	
4	5500.6000	90.14	16.07	106.21	999.00	-892.79	AVG	No Limit
5 *	5501.7000	96.49	16.07	112.56	68.30	44.26	Peak	No Limit

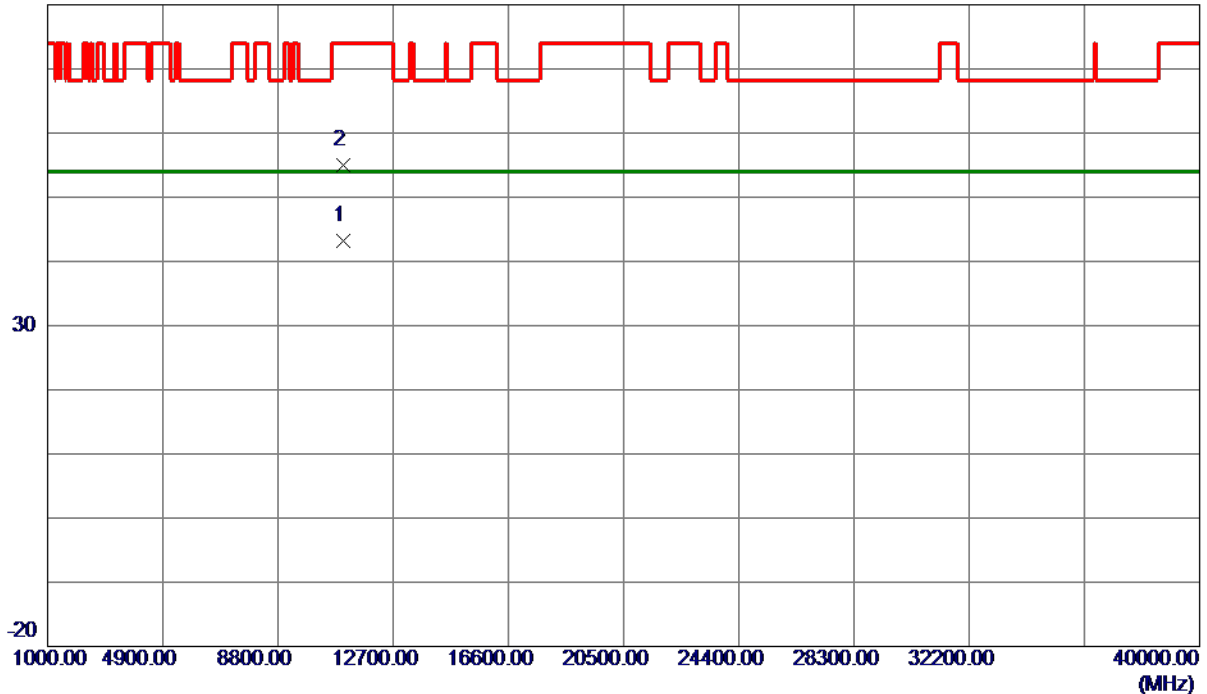
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 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 *	10999.1600	30.39	12.78	43.17	54.00	-10.83	AVG	
2	11001.9200	42.22	12.78	55.00	74.00	-19.00	Peak	

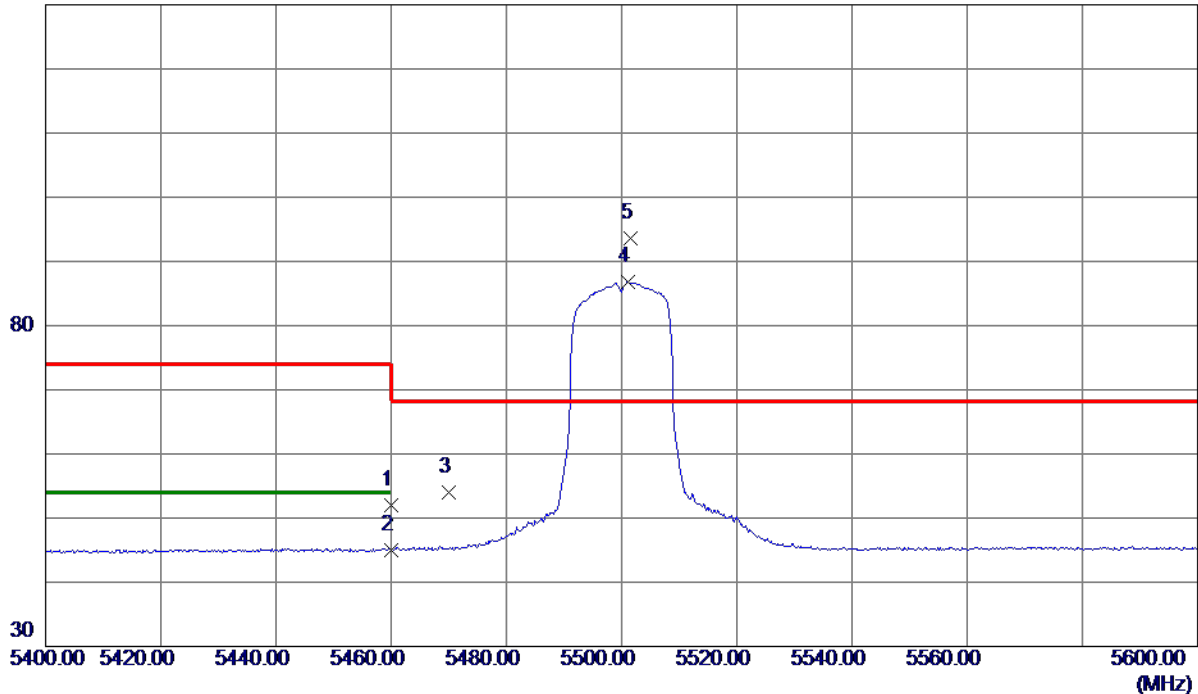
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	35.95	15.97	51.92	74.00	-22.08	Peak	
2	5460.0000	29.03	15.97	45.00	54.00	-9.00	AVG	
3	5470.0000	38.01	16.00	54.01	68.30	-14.29	Peak	
4	5501.2000	70.68	16.07	86.75	999.00	-912.25	AVG	No Limit
5 *	5501.6000	77.56	16.07	93.63	68.30	25.33	Peak	No Limit

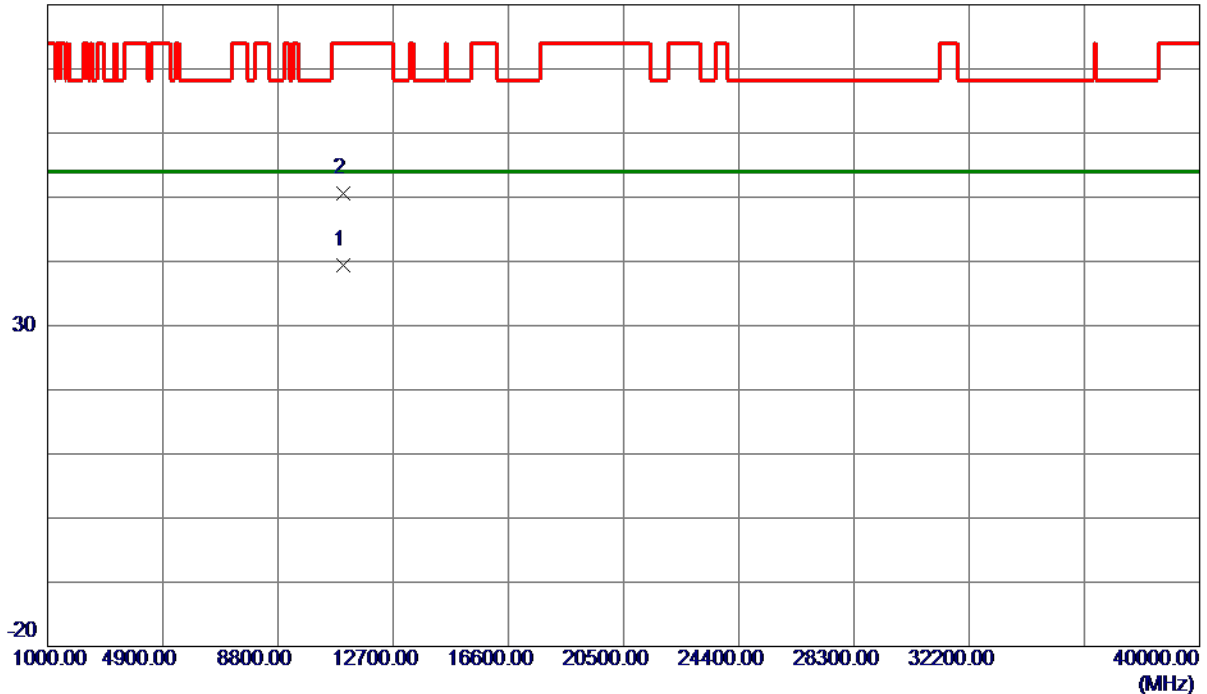
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11004.4100	26.70	12.78	39.48	54.00	-14.52	AVG	
2	11005.9100	37.87	12.78	50.65	74.00	-23.35	Peak	

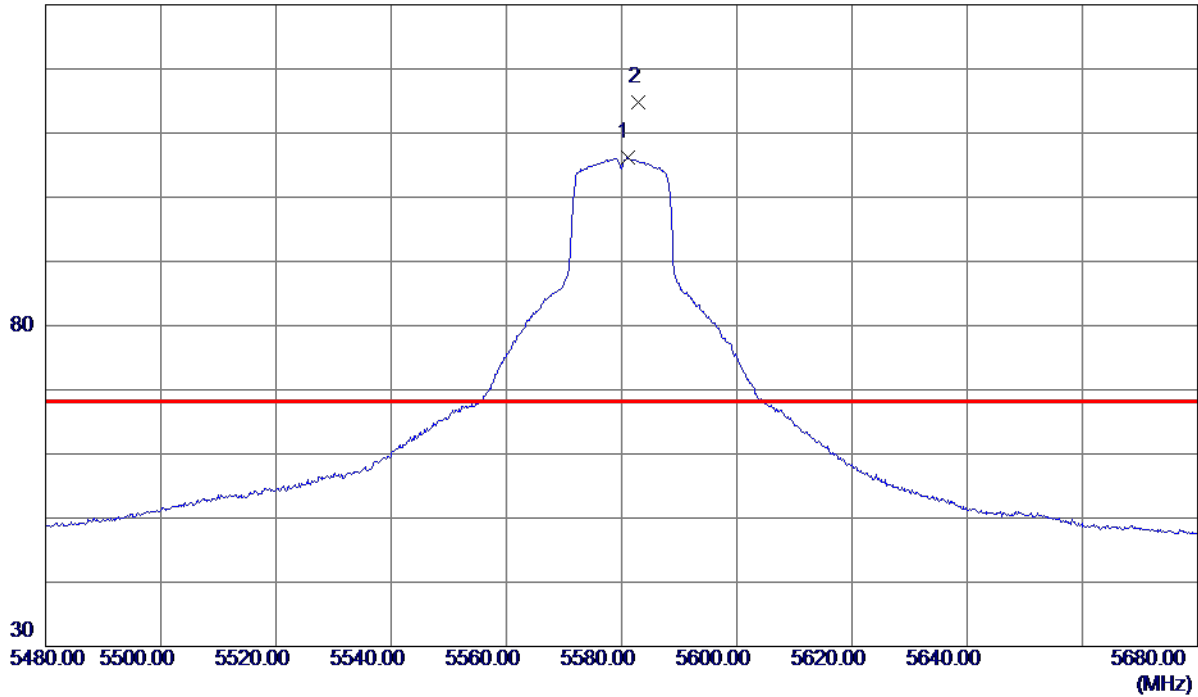
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5580 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	5581.0000	89.98	16.23	106.21	999.00	-892.79	AVG	No Limit
2 *	5582.8000	98.65	16.23	114.88	68.30	46.58	Peak	No Limit

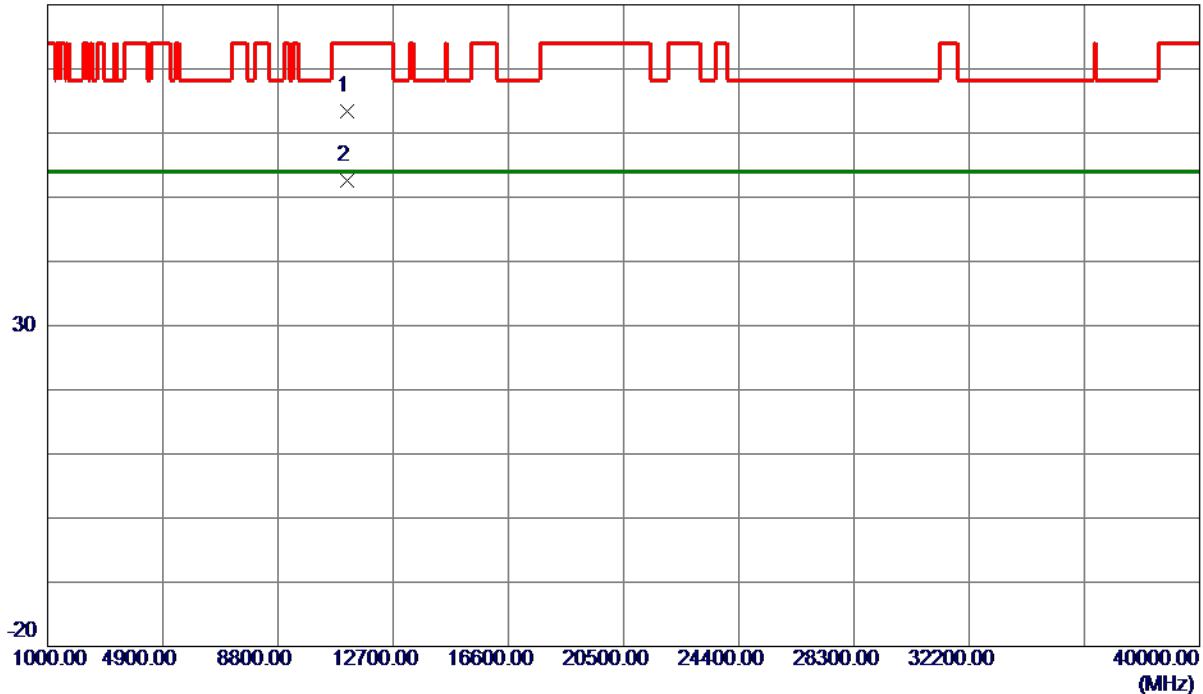
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5580 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	11155.4400	50.52	12.90	63.42	74.00	-10.58	Peak	
2 *	11159.7300	39.79	12.90	52.69	54.00	-1.31	AVG	

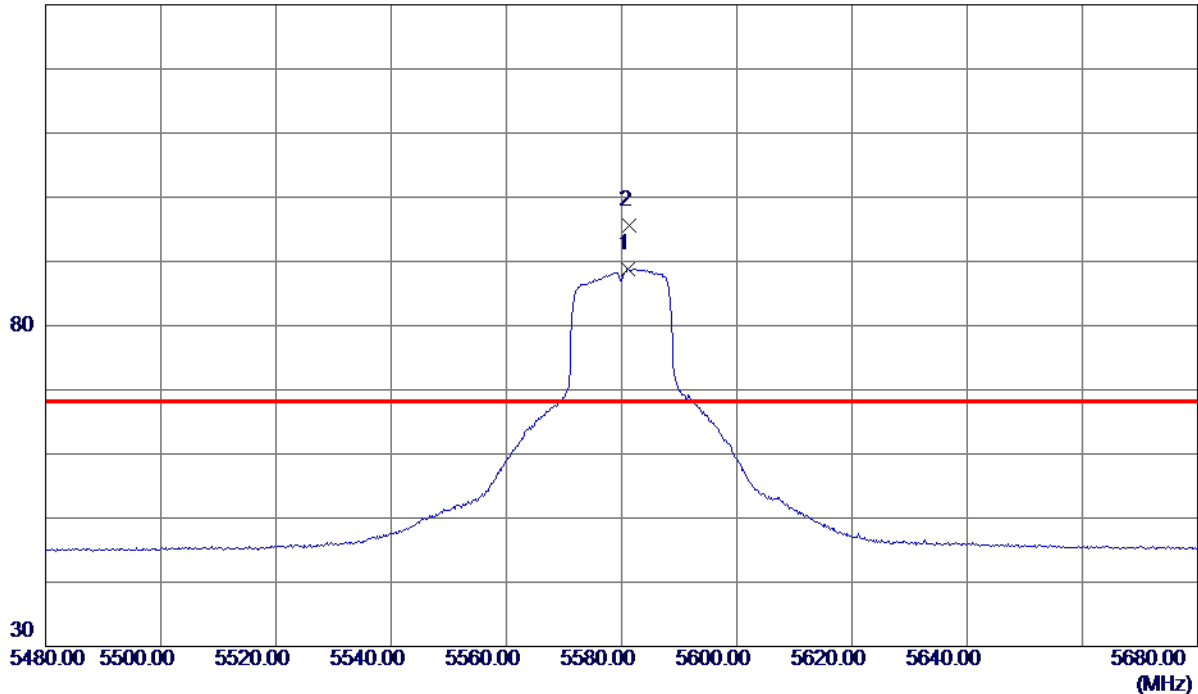
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5580 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5581.2000	72.64	16.23	88.87	999.00	-910.13	AVG	No Limit
2 *	5581.4000	79.30	16.23	95.53	68.30	27.23	Peak	No Limit

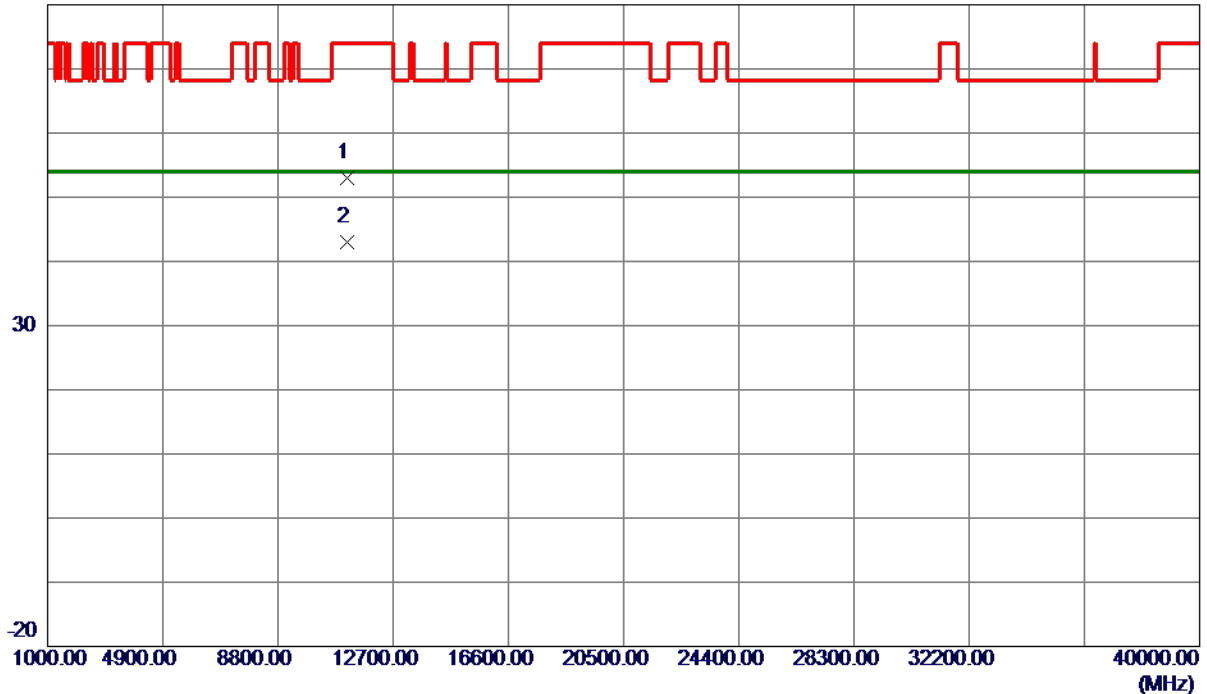
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5580 MHz

Horizontal

80 dBuV/m

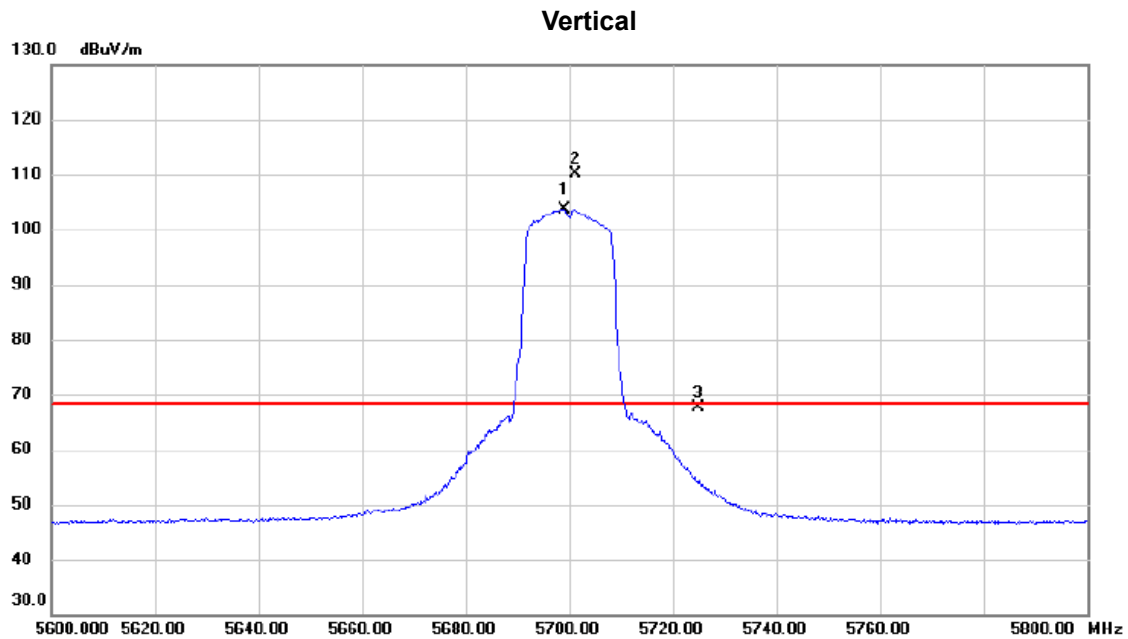


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11156.6700	40.09	12.90	52.99	74.00	-21.01	Peak	
2 *	11157.2699	30.15	12.90	43.05	54.00	-10.95	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5700 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5699.000	87.28	16.47	103.75	68.30	35.45	AVG	No Limit
2	*	5701.200	93.71	16.46	110.17	68.30	41.87	peak	No Limit
3		5725.000	51.16	16.51	67.67	68.30	-0.63	peak	

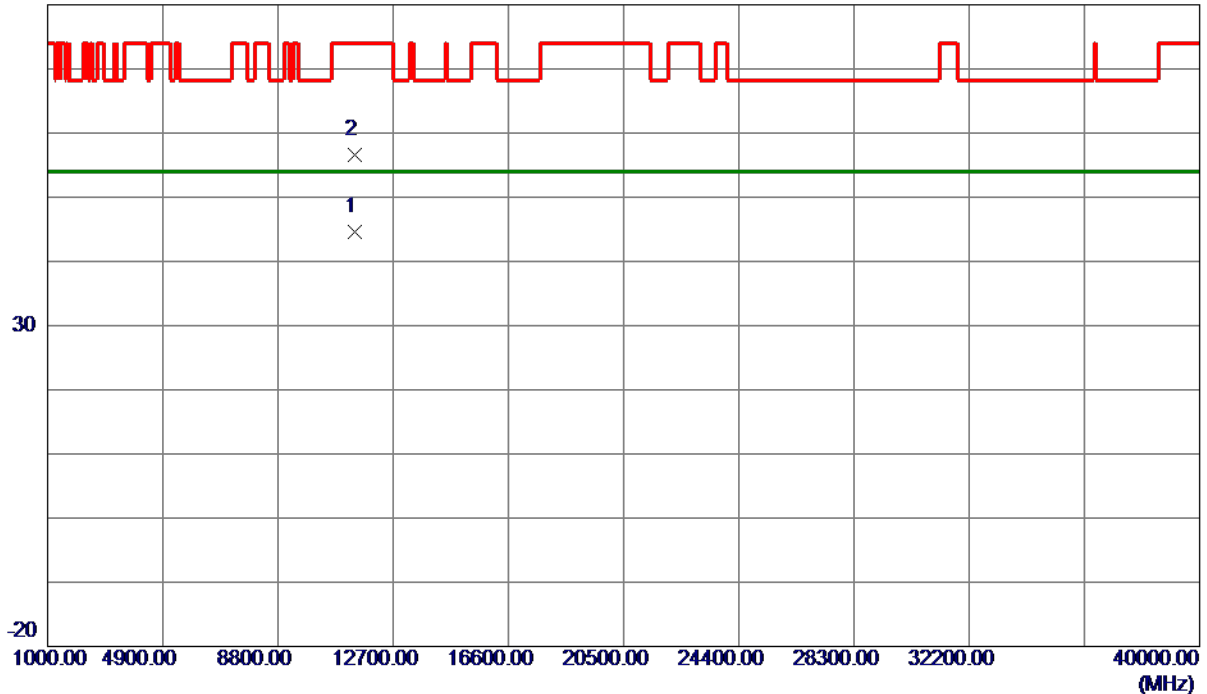
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5700 MHz

Vertical

80 dBuV/m

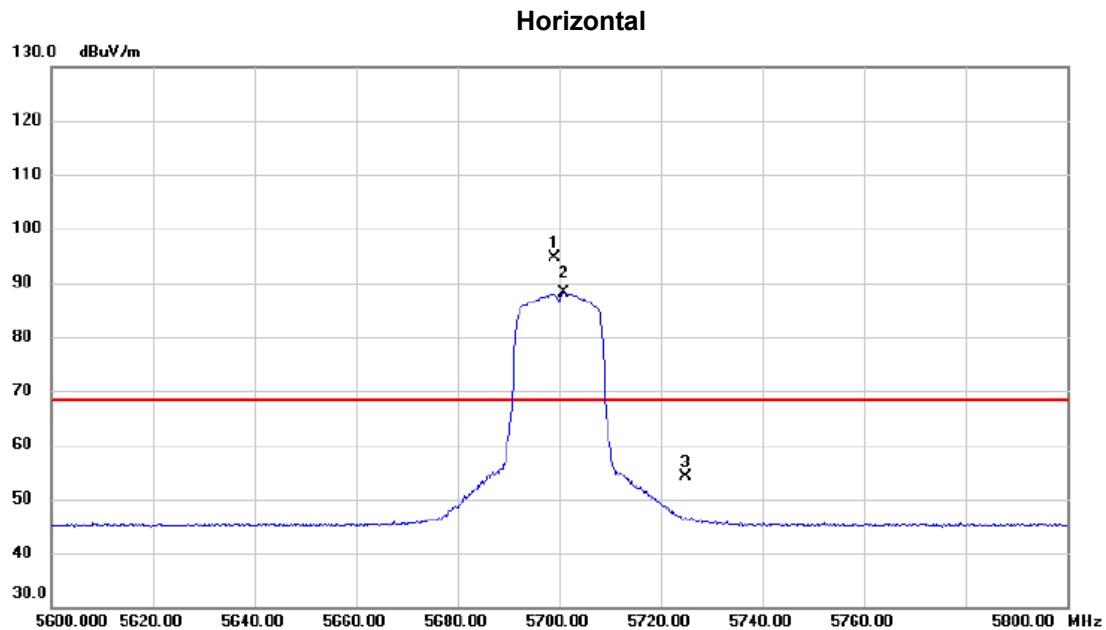


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11399.3099	31.49	13.08	44.57	54.00	-9.43	AVG	
2	11398.6200	43.60	13.08	56.68	74.00	-17.32	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5700 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5699.000	78.26	16.47	94.73	68.30	26.43	peak	No Limit
2	X	5701.000	71.71	16.46	88.17	68.30	19.87	AVG	No Limit
3		5725.000	37.66	16.51	54.17	68.30	-14.13	peak	

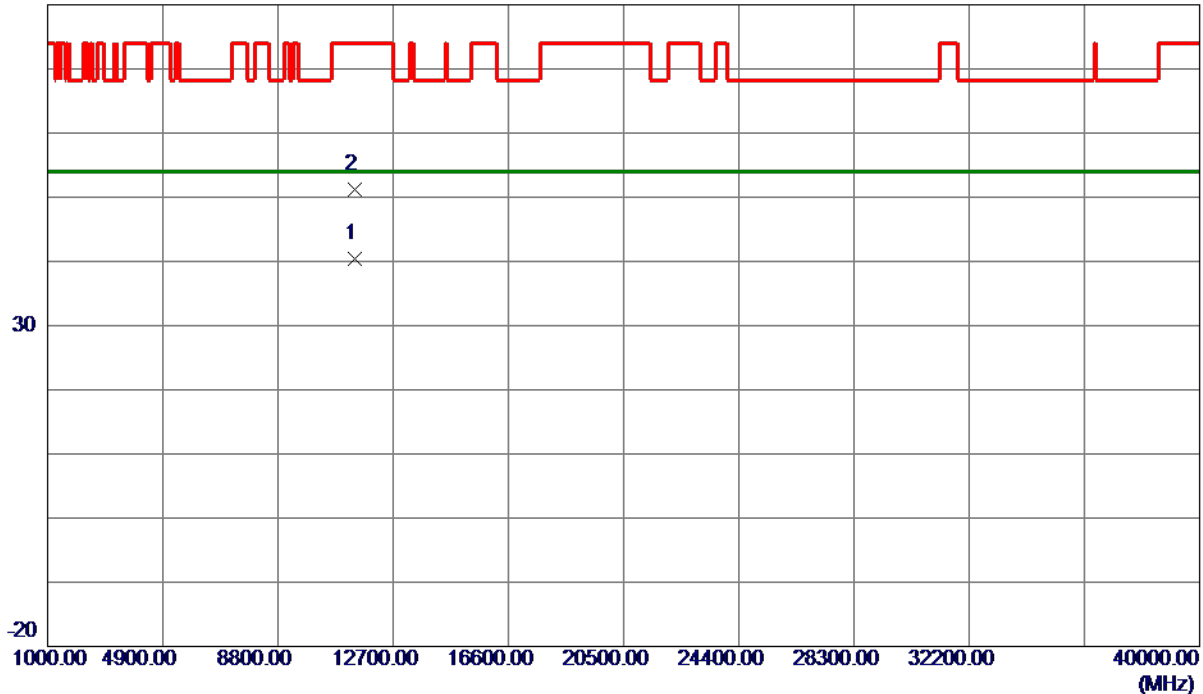
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5700 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11393.1900	27.39	13.07	40.46	54.00	-13.54	AVG	
2	11412.0900	38.02	13.09	51.11	74.00	-22.89	Peak	

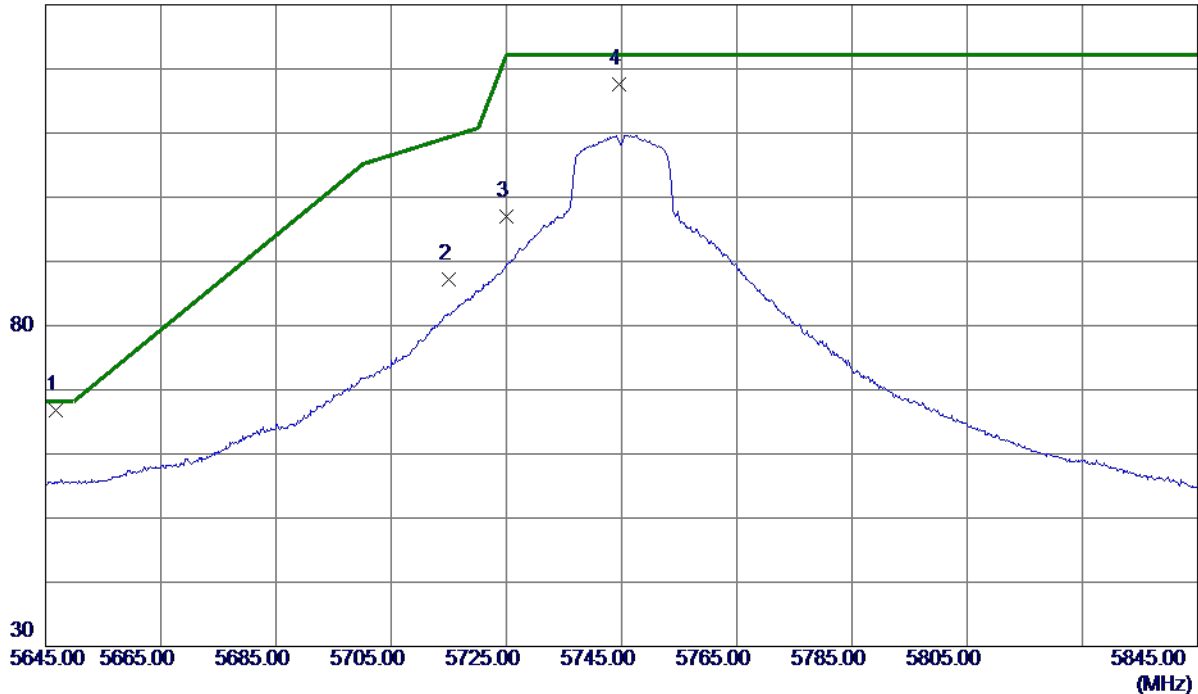
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX 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 *	5646.7000	50.45	16.36	66.81	68.20	-1.39	Peak	
2	5715.0000	70.75	16.49	87.24	109.40	-22.16	Peak	
3	5725.0000	80.47	16.51	96.98	122.20	-25.22	Peak	
4	5744.6000	101.02	16.55	117.57	122.20	-4.63	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 *	11491.2000	40.69	13.15	53.84	54.00	-0.16	AVG	
2	11488.2600	51.48	13.15	64.63	74.00	-9.37	Peak	

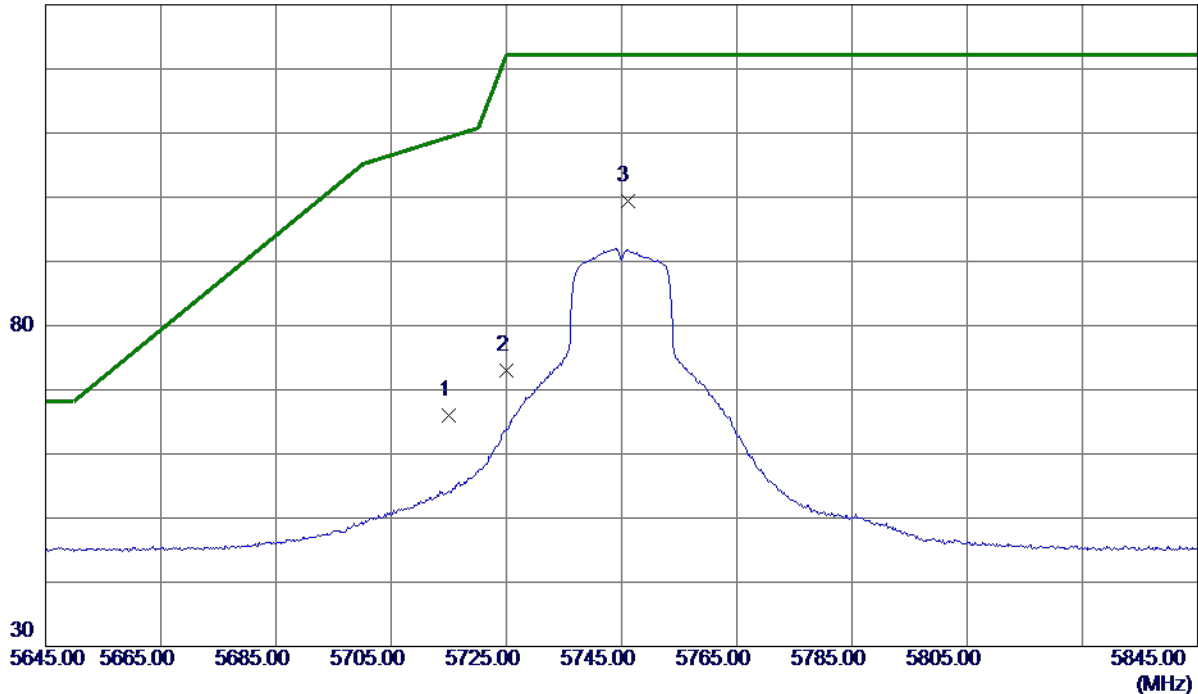
REMARKS:

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

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

Horizontal

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	49.44	16.49	65.93	109.40	-43.47	Peak	
2	5725.0000	56.43	16.51	72.94	122.20	-49.26	Peak	
3 *	5746.0000	82.87	16.55	99.42	122.20	-22.78	Peak	No Limit

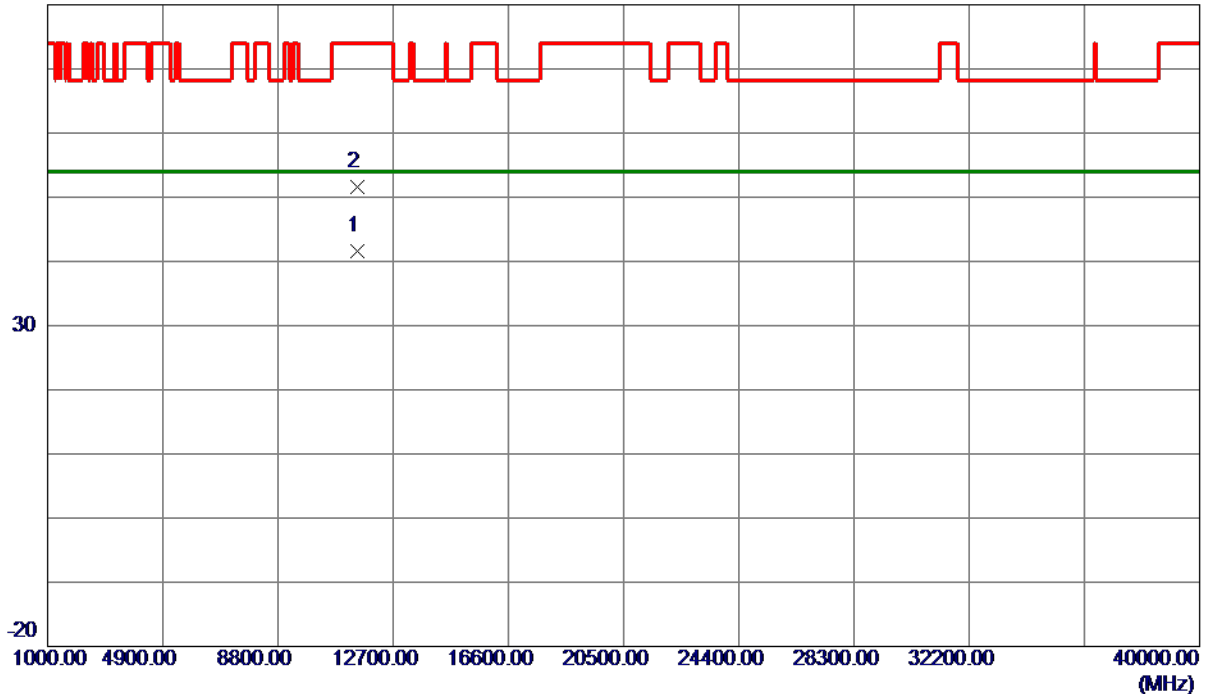
REMARKS:

- (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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11486.6100	28.44	13.14	41.58	54.00	-12.42	AVG	
2	11488.1700	38.44	13.15	51.59	74.00	-22.41	Peak	

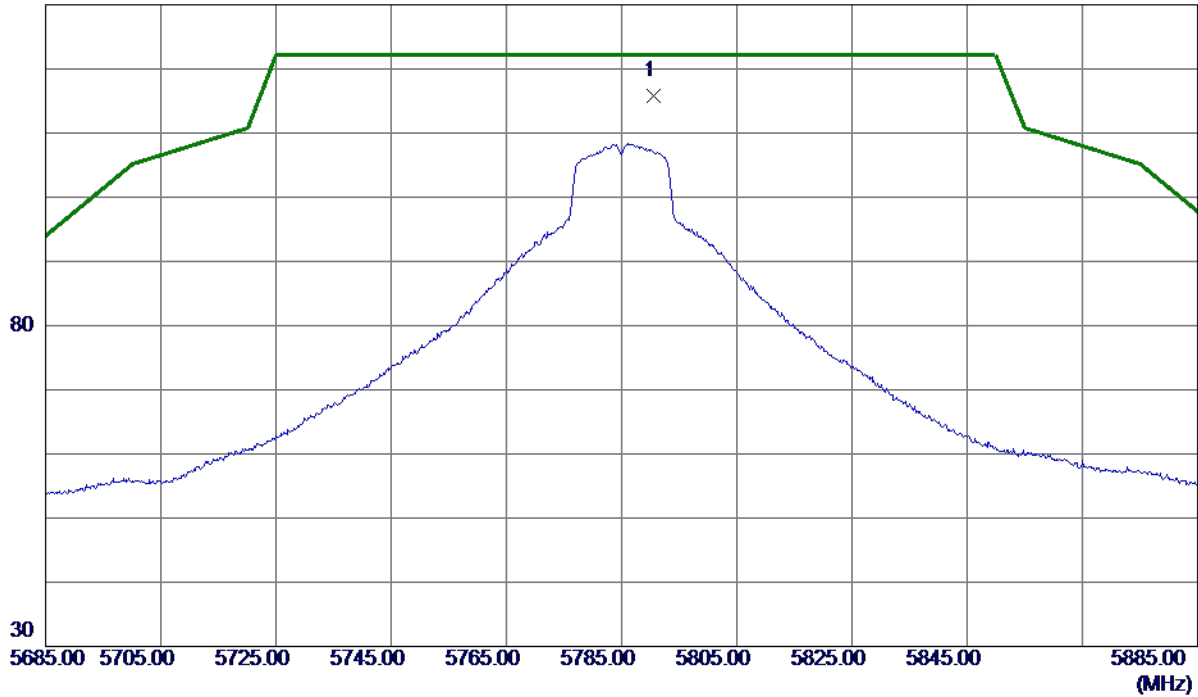
REMARKS:

- (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 *	5790.6000	99.21	16.64	115.85	122.20	-6.35	Peak	No Limit

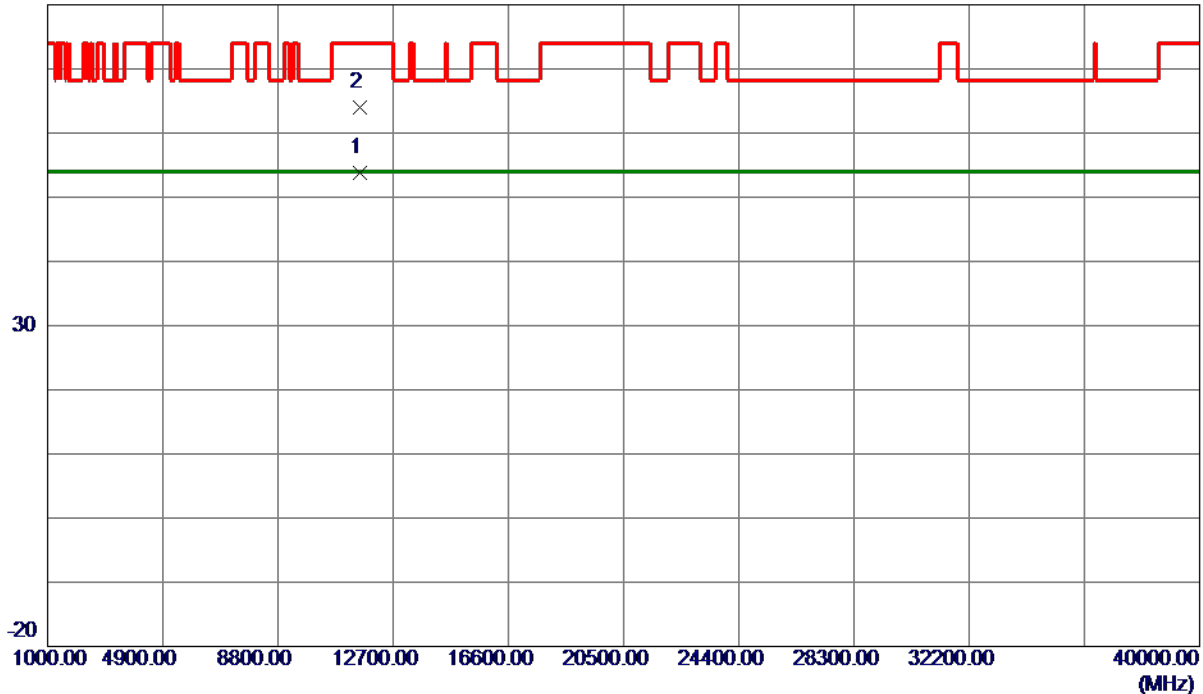
REMARKS:

- (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 *	11568.6200	40.58	13.20	53.78	54.00	-0.22	AVG	
2	11569.0700	50.83	13.20	64.03	74.00	-9.97	Peak	

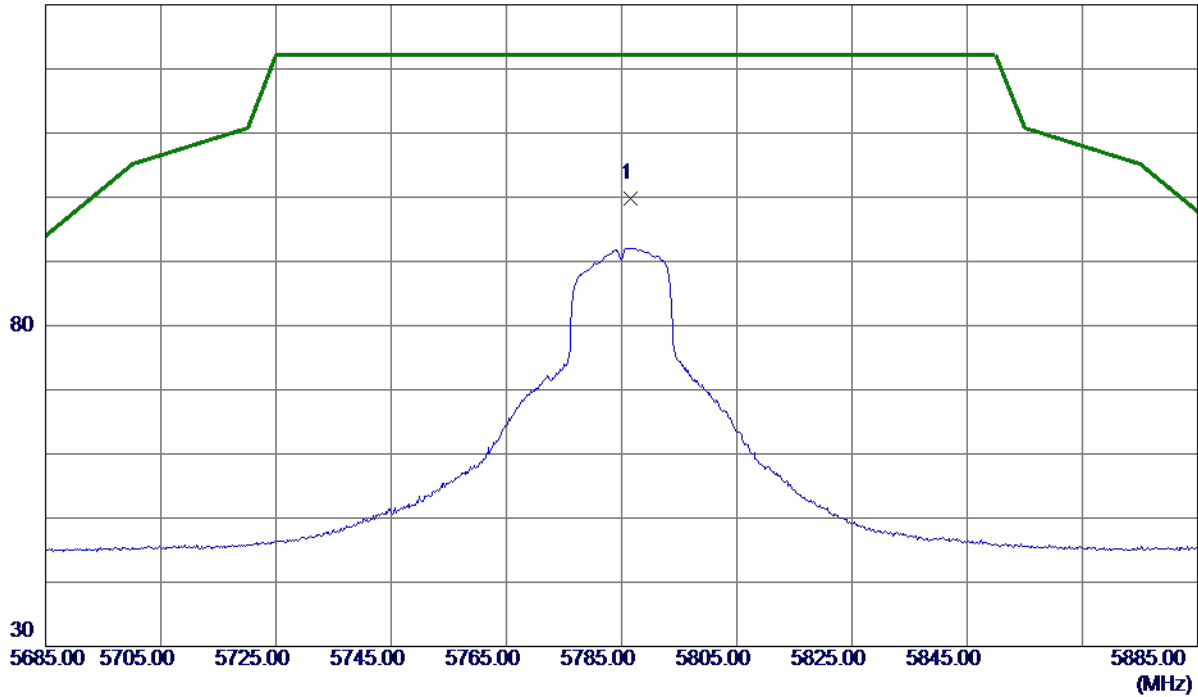
REMARKS:

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

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

Horizontal

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 *	5786.6000	83.08	16.64	99.72	122.20	-22.48	Peak	No Limit

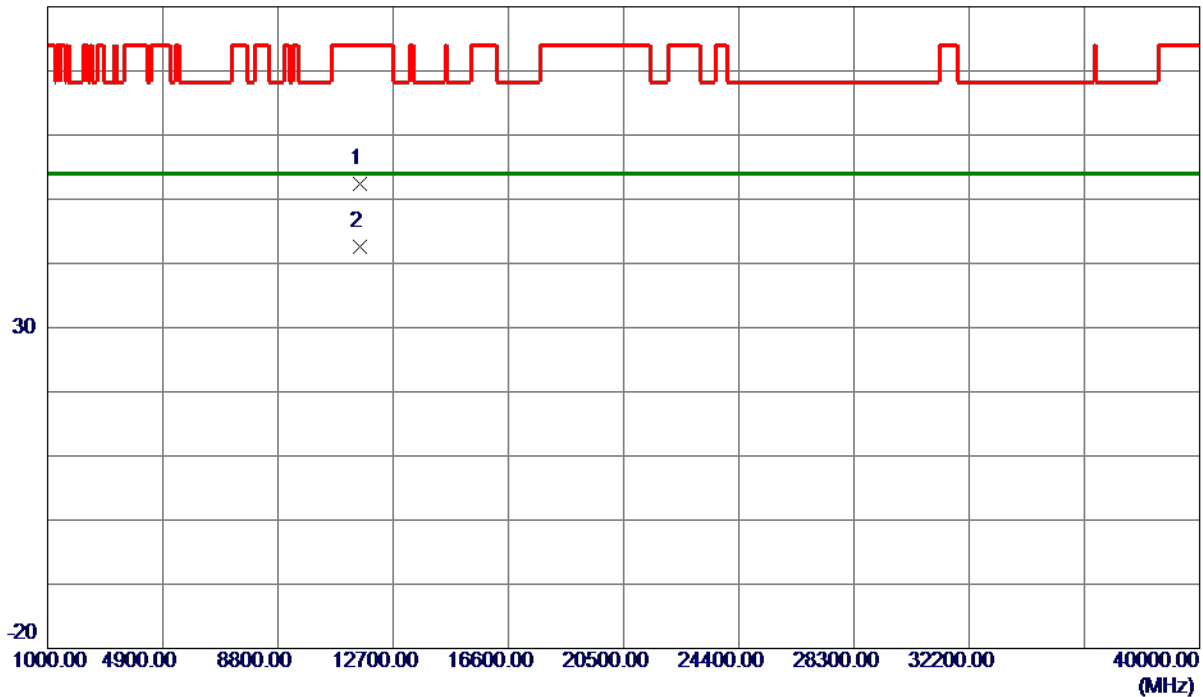
REMARKS:

- (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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11563.7000	39.12	13.20	52.32	74.00	-21.68	Peak	
2 *	11568.7100	29.35	13.20	42.55	54.00	-11.45	AVG	

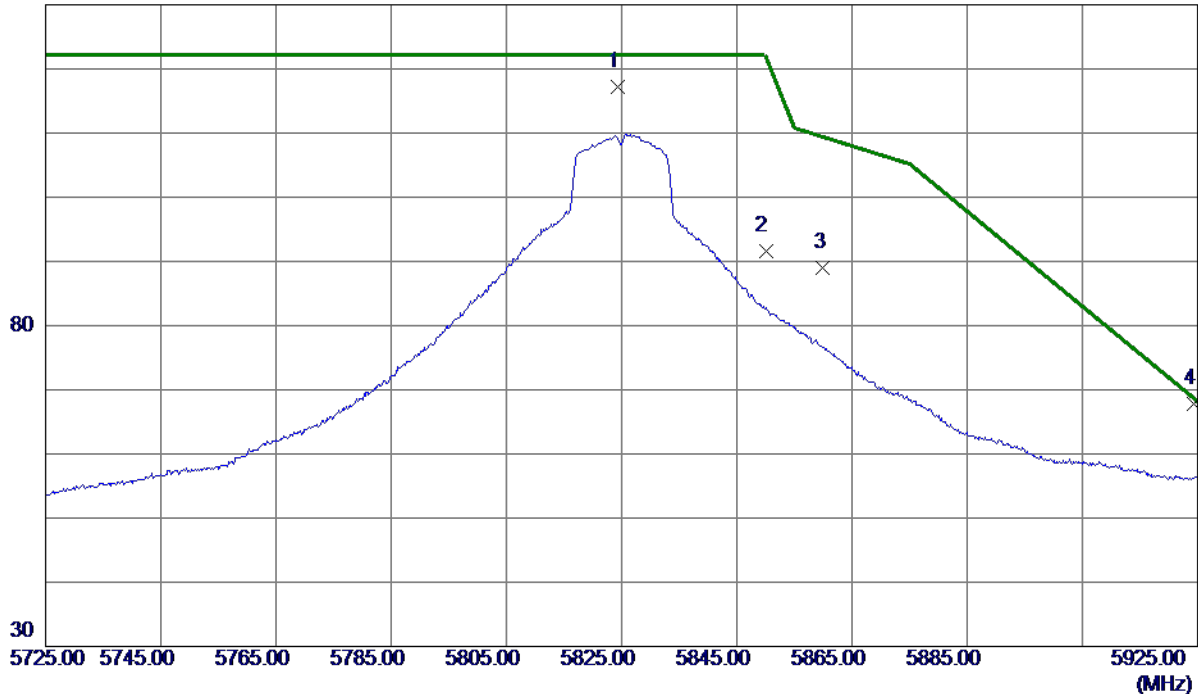
REMARKS:

- (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

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	5824.4000	100.43	16.71	117.14	122.20	-5.06	Peak	No Limit
2	5850.0000	74.83	16.76	91.59	122.20	-30.61	Peak	
3	5860.0000	72.31	16.78	89.09	109.40	-20.31	Peak	
4 *	5924.3000	50.92	16.91	67.83	68.72	-0.89	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX 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	11649.3099	50.32	13.25	63.57	74.00	-10.43	Peak	
2 *	11650.0300	40.14	13.25	53.39	54.00	-0.61	AVG	

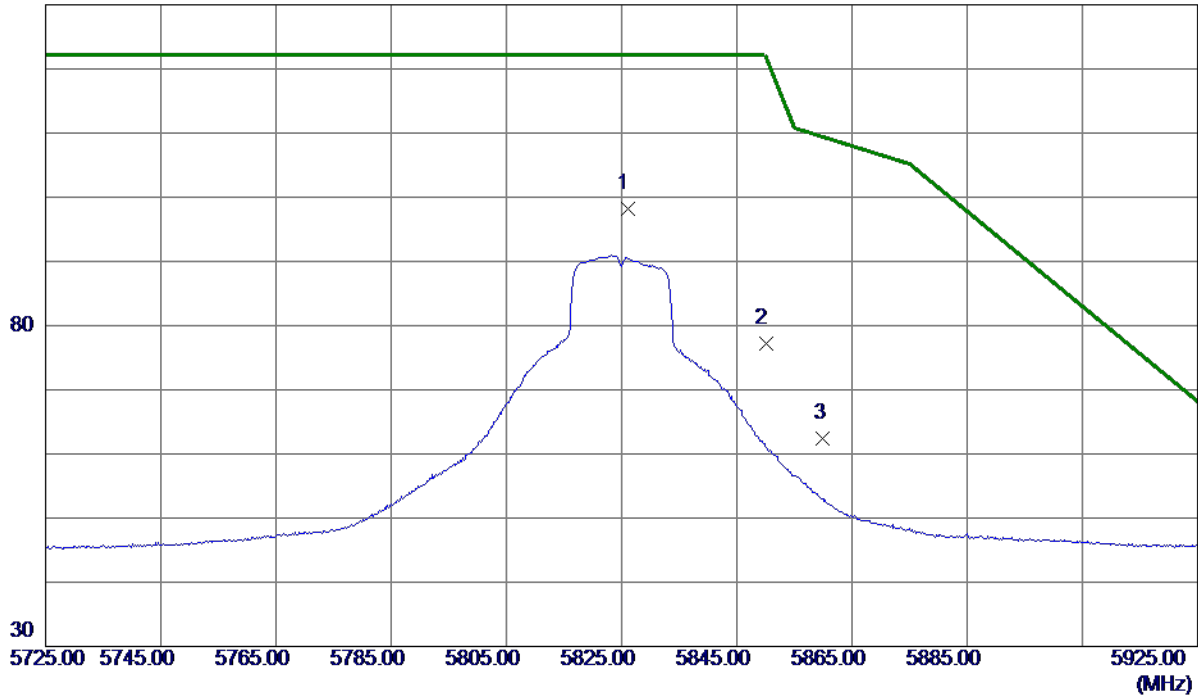
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5826.0000	81.45	16.71	98.16	122.20	-24.04	Peak	No Limit
2	5850.0000	60.45	16.76	77.21	122.20	-44.99	Peak	
3	5860.0000	45.58	16.78	62.36	109.40	-47.04	Peak	

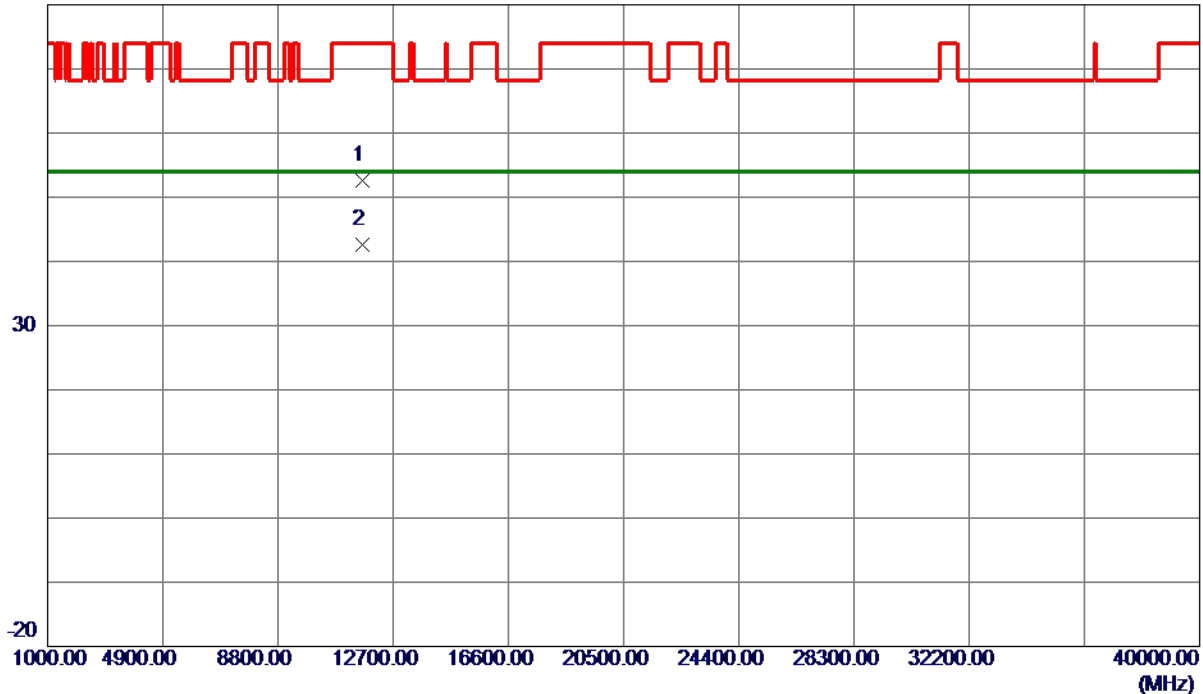
REMARKS:

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11644.8400	39.33	13.25	52.58	74.00	-21.42	Peak	
2 *	11646.5800	29.31	13.25	42.56	54.00	-11.44	AVG	

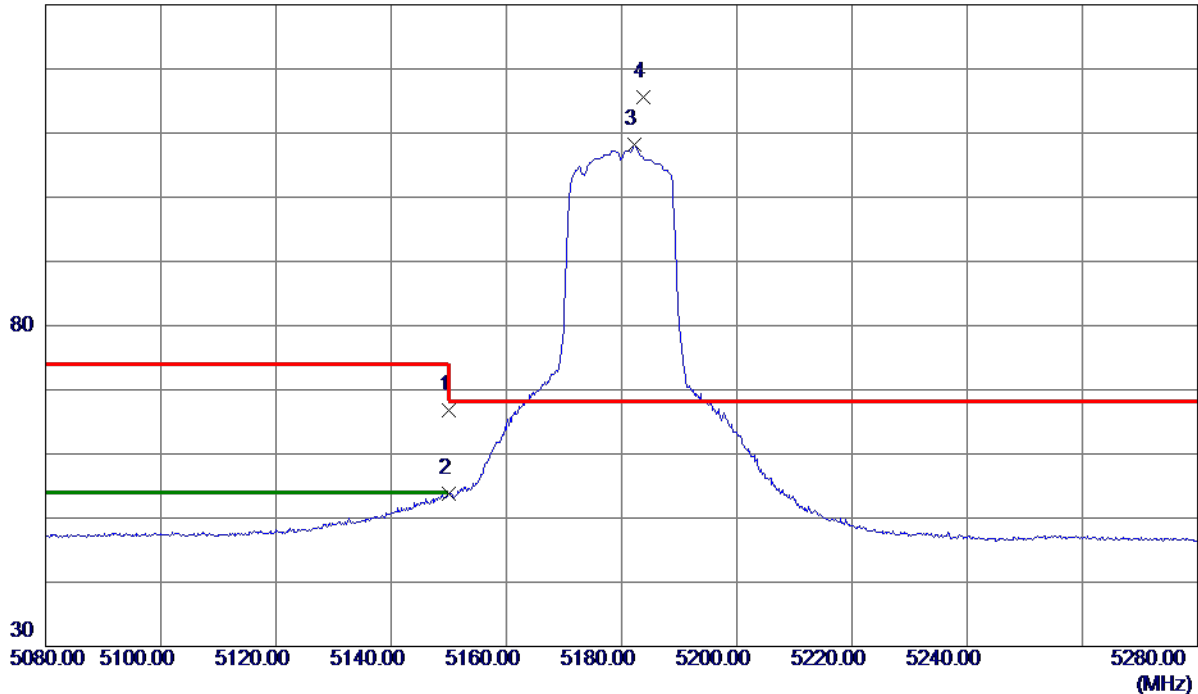
REMARKS:

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

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

Vertical

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	51.46	15.26	66.72	74.00	-7.28	Peak	
2	5150.0000	38.47	15.26	53.73	54.00	-0.27	AVG	
3	5182.2000	92.87	15.34	108.21	999.00	-890.79	AVG	No Limit
4 *	5183.8000	100.35	15.34	115.69	68.30	47.39	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 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 *	10359.5199	39.04	12.29	51.33	54.00	-2.67	AVG	
2	10359.8500	51.26	12.29	63.55	68.30	-4.75	Peak	

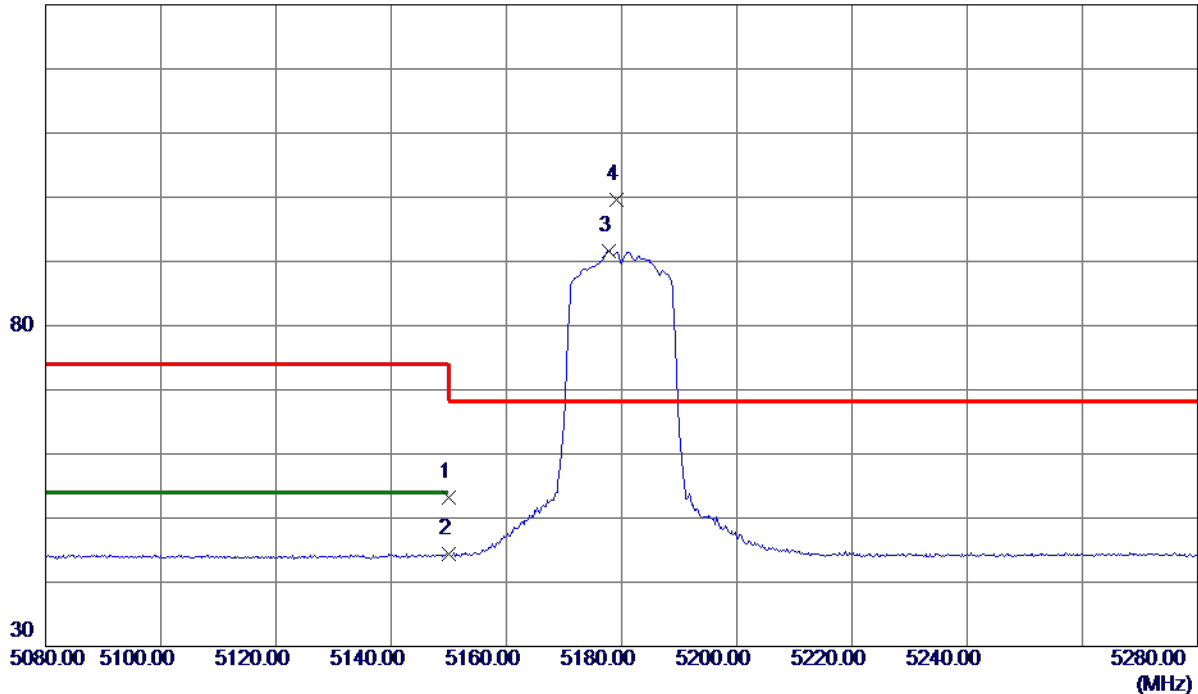
REMARKS:

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

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

Horizontal

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	37.97	15.26	53.23	74.00	-20.77	Peak	
2	5150.0000	29.14	15.26	44.40	54.00	-9.60	AVG	
3	5177.8000	76.34	15.33	91.67	999.00	-907.33	AVG	No Limit
4 *	5179.2000	84.31	15.33	99.64	68.30	31.34	Peak	No Limit

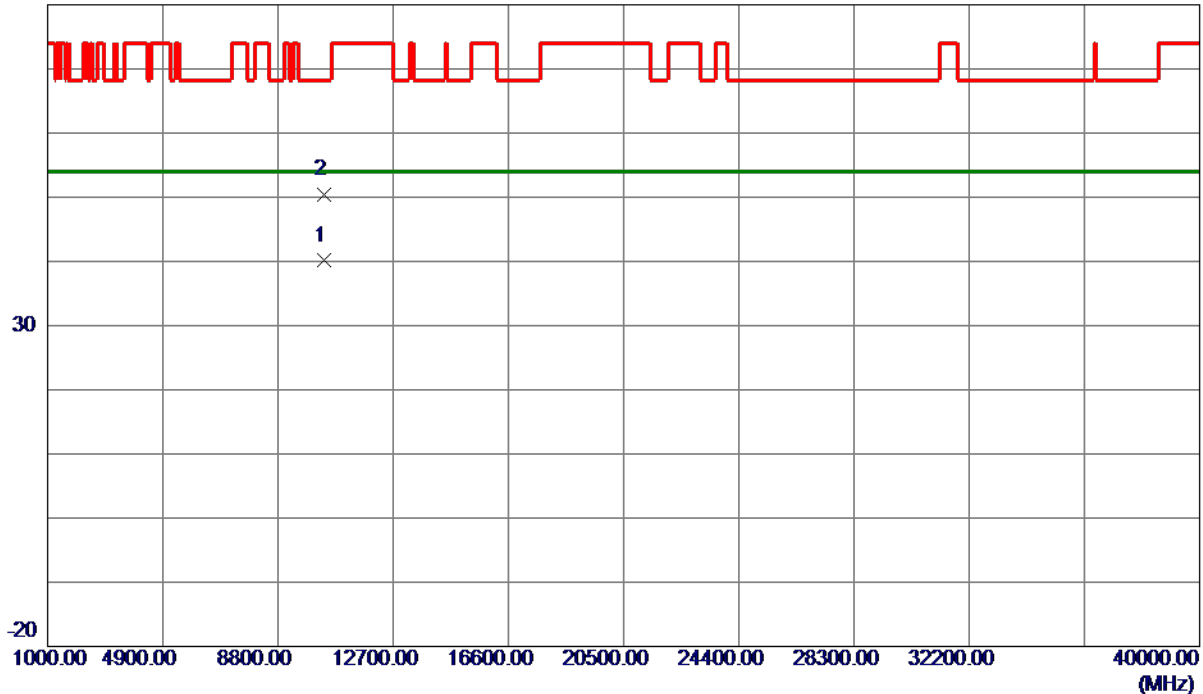
REMARKS:

- (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 5180 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10359.1300	27.81	12.29	40.10	54.00	-13.90	AVG	
2	10373.7699	38.15	12.30	50.45	68.30	-17.85	Peak	

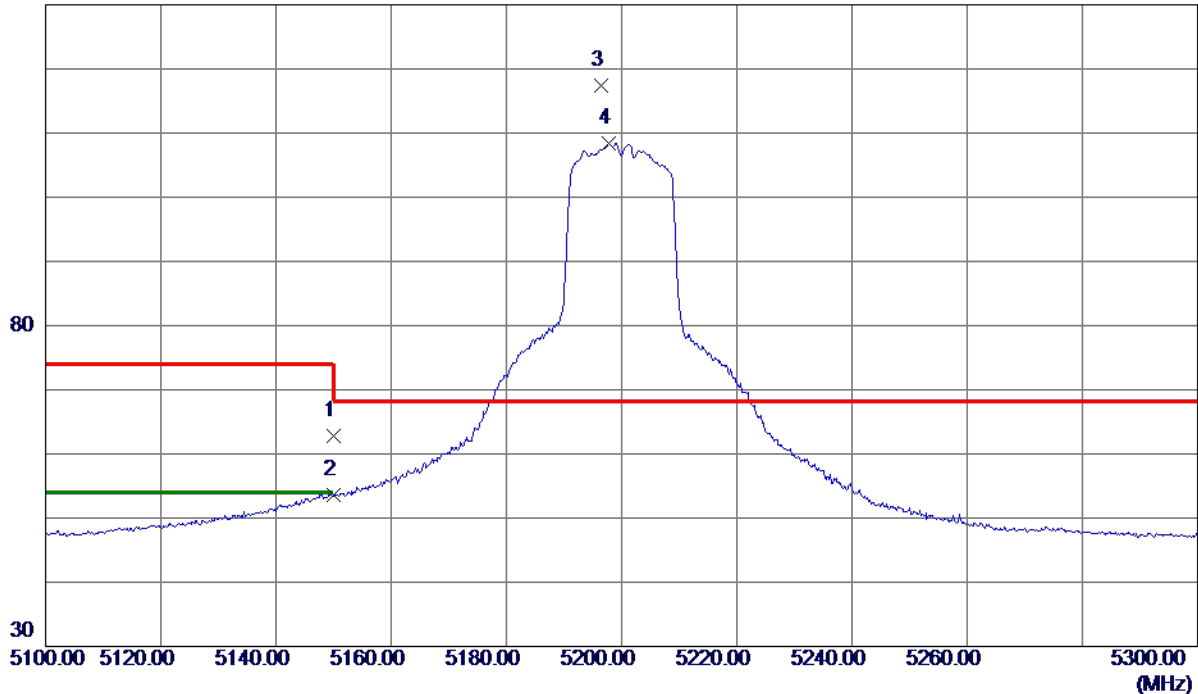
REMARKS:

- (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	5150.0000	47.56	15.26	62.82	74.00	-11.18	Peak	
2	5150.0000	38.33	15.26	53.59	54.00	-0.41	AVG	
3 *	5196.5000	102.08	15.37	117.45	68.30	49.15	Peak	No Limit
4	5197.7000	93.03	15.37	108.40	999.00	-890.60	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 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	10398.3800	48.70	12.31	61.01	68.30	-7.29	Peak	
2 *	10398.5300	38.60	12.31	50.91	54.00	-3.09	AVG	

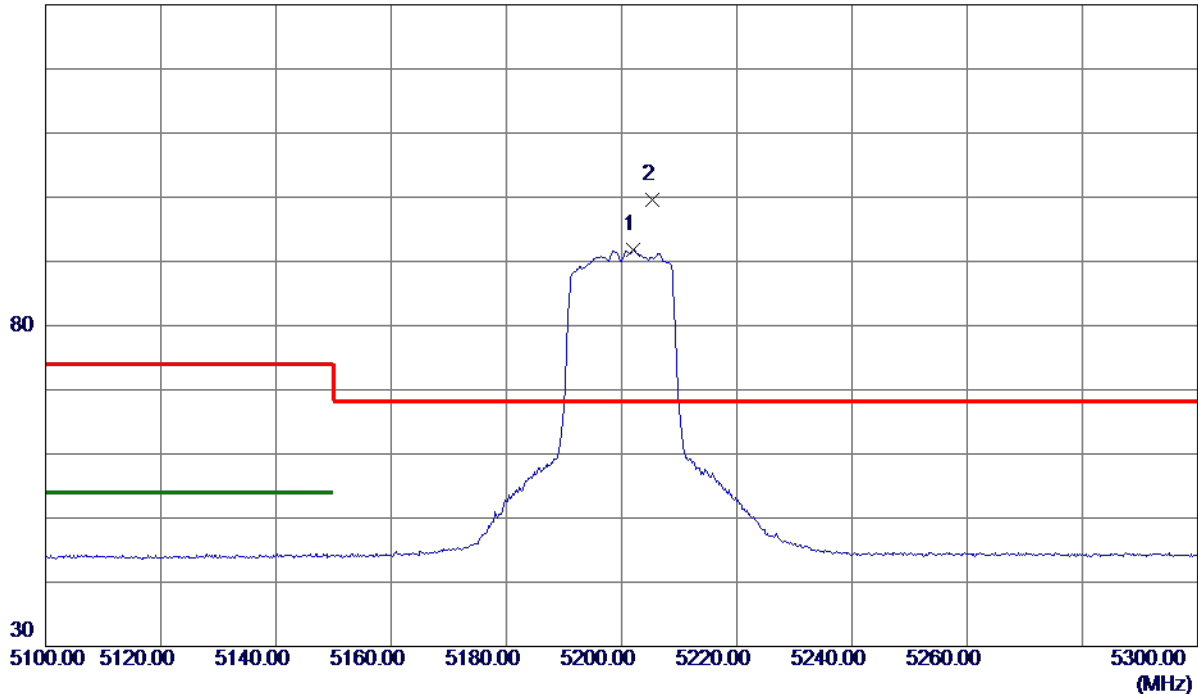
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5202.0000	76.42	15.38	91.80	999.00	-907.20	AVG	No Limit
2 *	5205.4000	84.28	15.39	99.67	68.30	31.37	Peak	No Limit

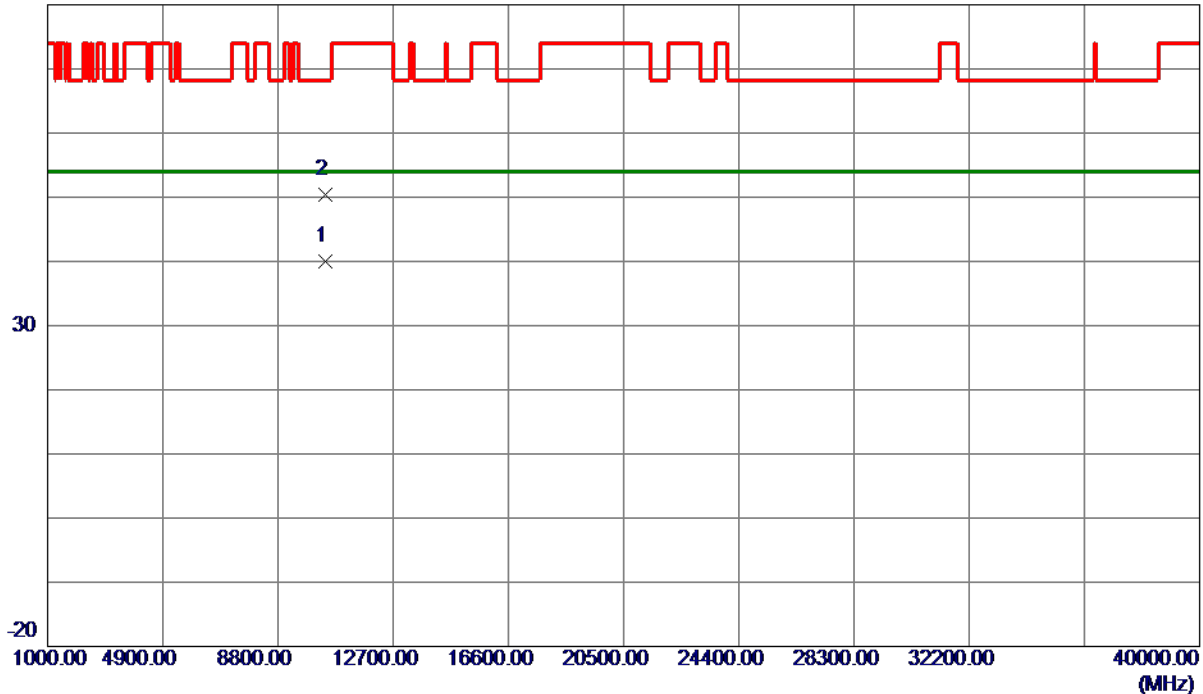
REMARKS:

- (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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10395.4400	27.66	12.31	39.97	54.00	-14.03	AVG	
2	10405.2200	37.99	12.32	50.31	68.30	-17.99	Peak	

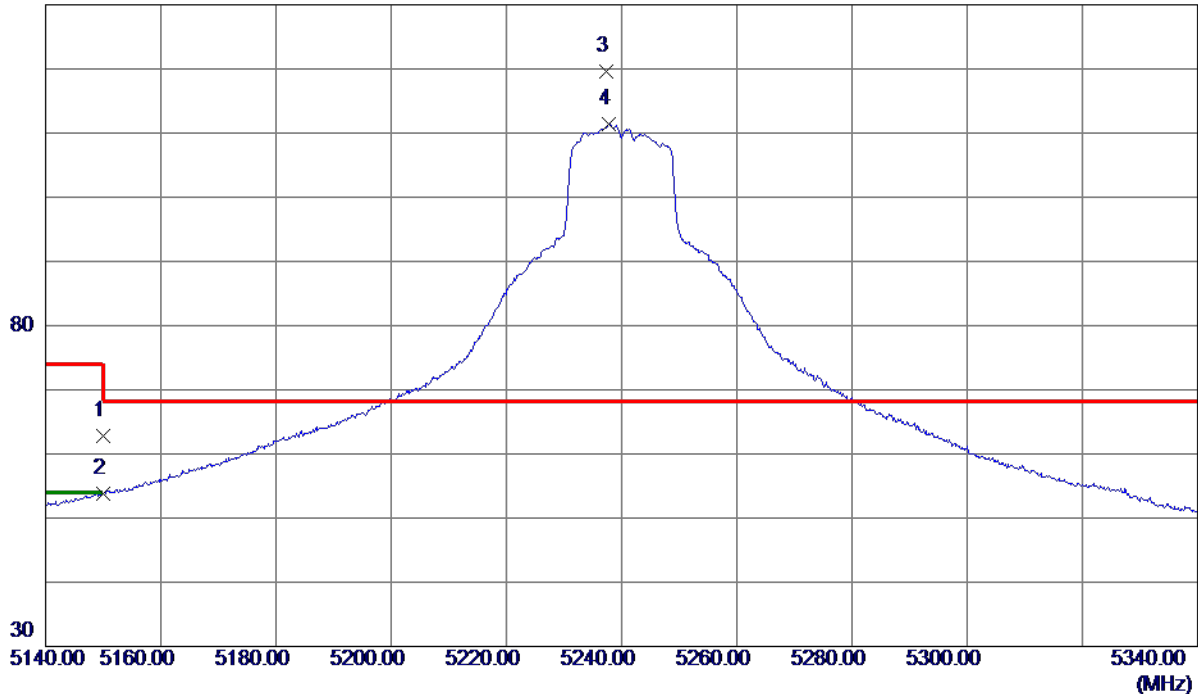
REMARKS:

- (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	5150.0000	47.47	15.26	62.73	74.00	-11.27	Peak	
2	5150.0000	38.47	15.26	53.73	54.00	-0.27	AVG	
3 *	5237.4000	104.17	15.46	119.63	68.30	51.33	Peak	No Limit
4	5237.8000	95.96	15.46	111.42	999.00	-887.58	AVG	No Limit

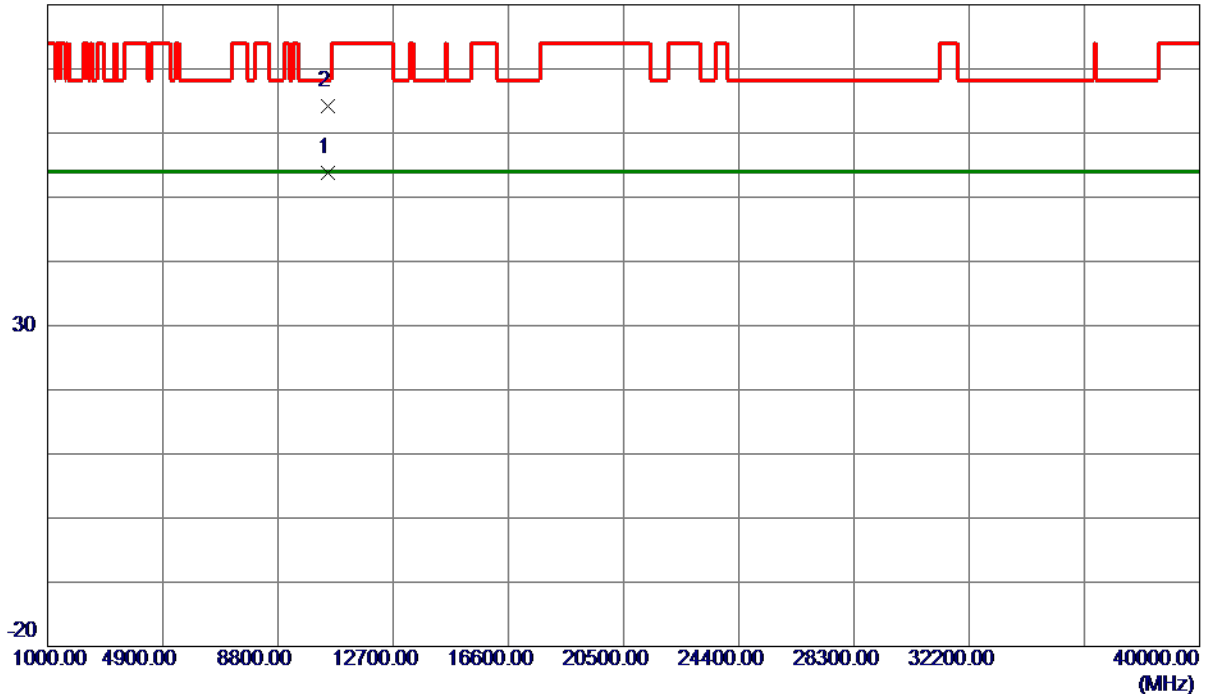
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX 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 *	10478.9200	41.50	12.36	53.86	54.00	-0.14	AVG	
2	10485.4900	51.77	12.37	64.14	68.30	-4.16	Peak	

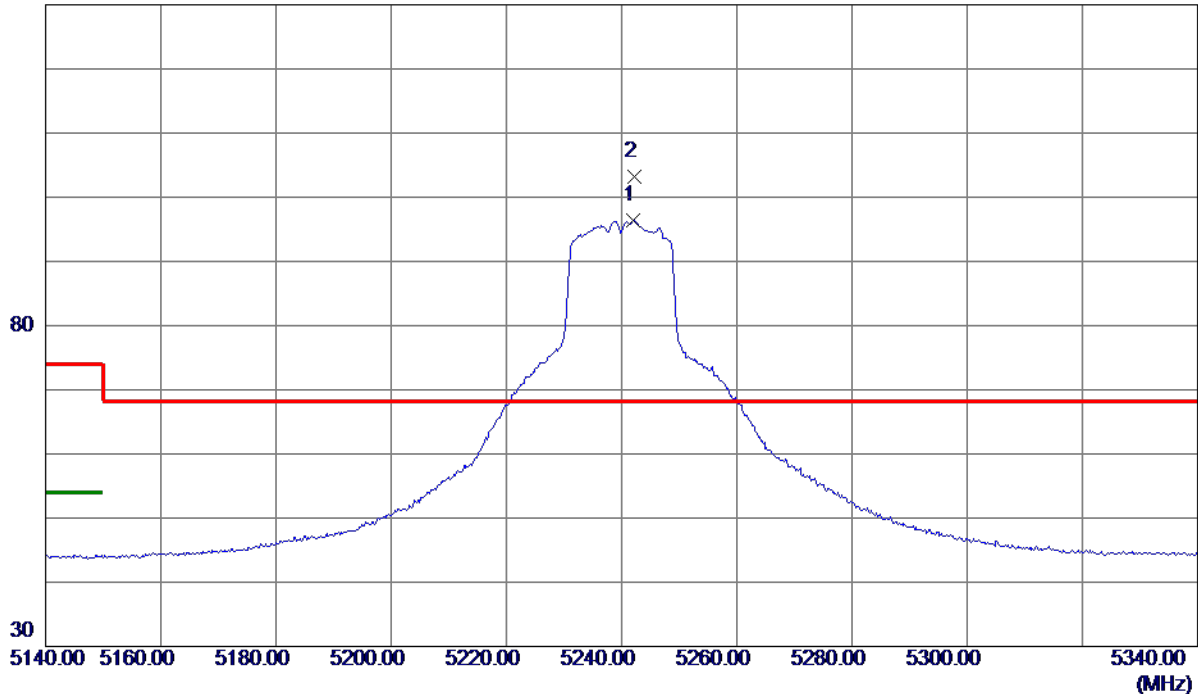
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5242.0000	81.00	15.47	96.47	999.00	-902.53	AVG	No Limit
2 *	5242.2000	87.78	15.47	103.25	68.30	34.95	Peak	No Limit

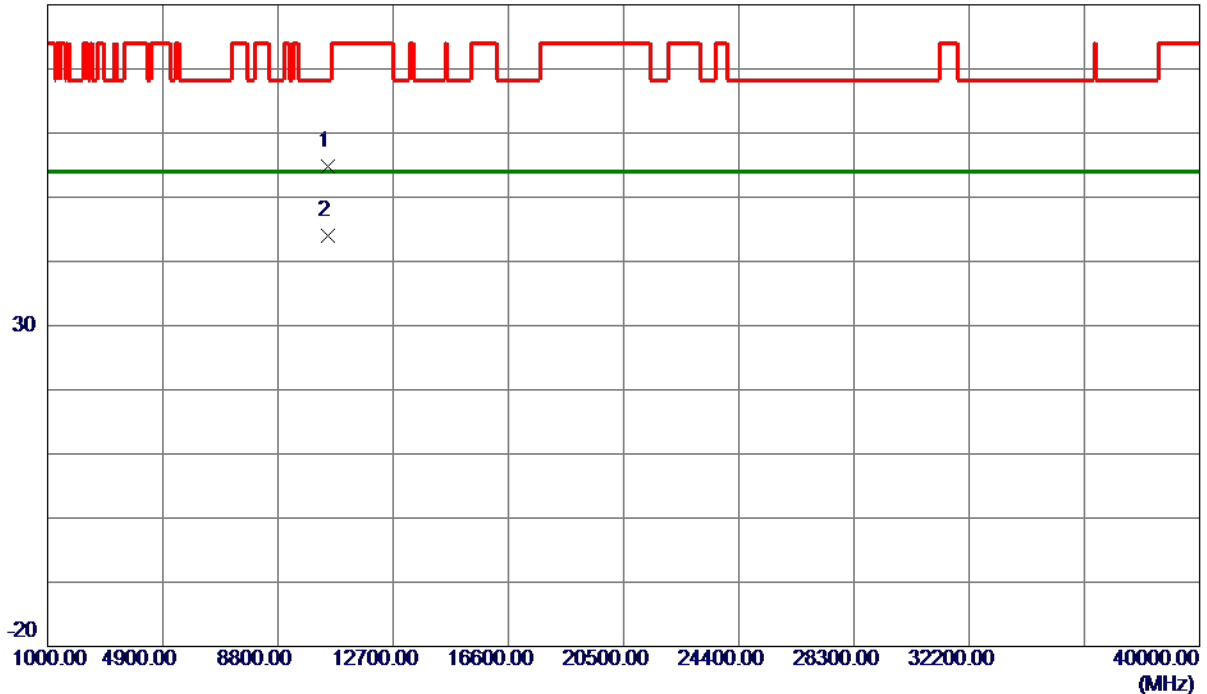
REMARKS:

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10477.8700	42.44	12.36	54.80	68.30	-13.50	Peak	
2 *	10481.8900	31.70	12.36	44.06	54.00	-9.94	AVG	

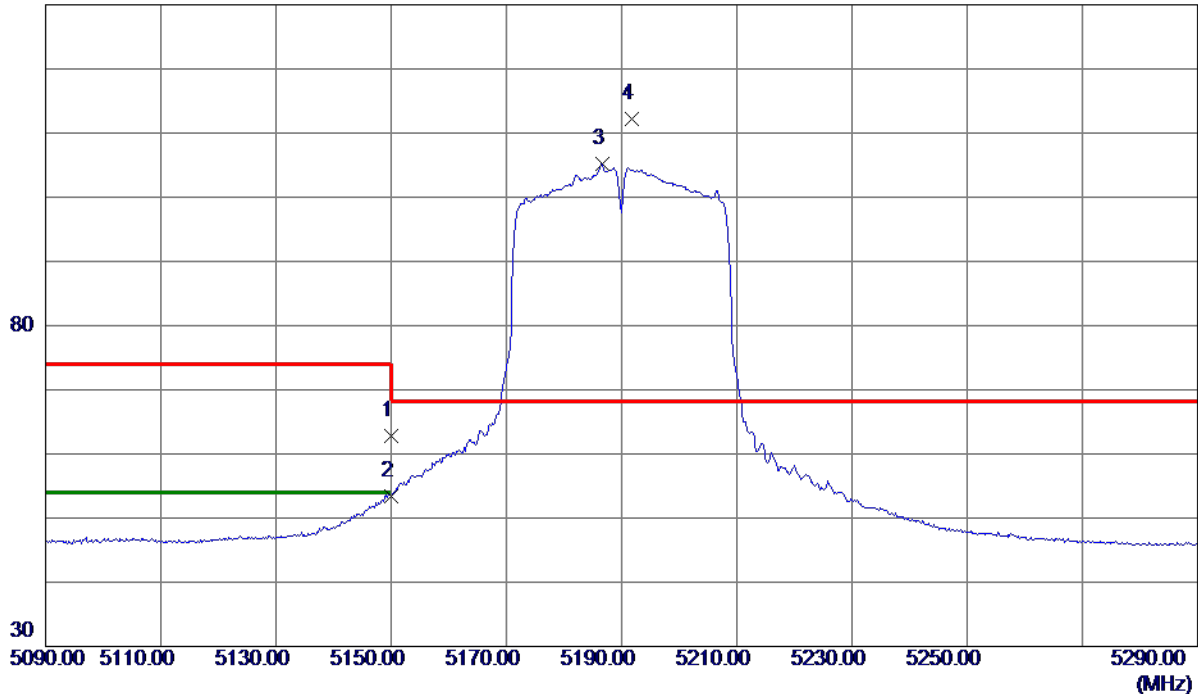
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX 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	47.46	15.26	62.72	74.00	-11.28	Peak	
2	5150.0000	38.12	15.26	53.38	54.00	-0.62	AVG	
3	5186.6000	89.86	15.35	105.21	999.00	-893.79	AVG	No Limit
4 *	5191.8000	96.78	15.36	112.14	68.30	43.84	Peak	No Limit

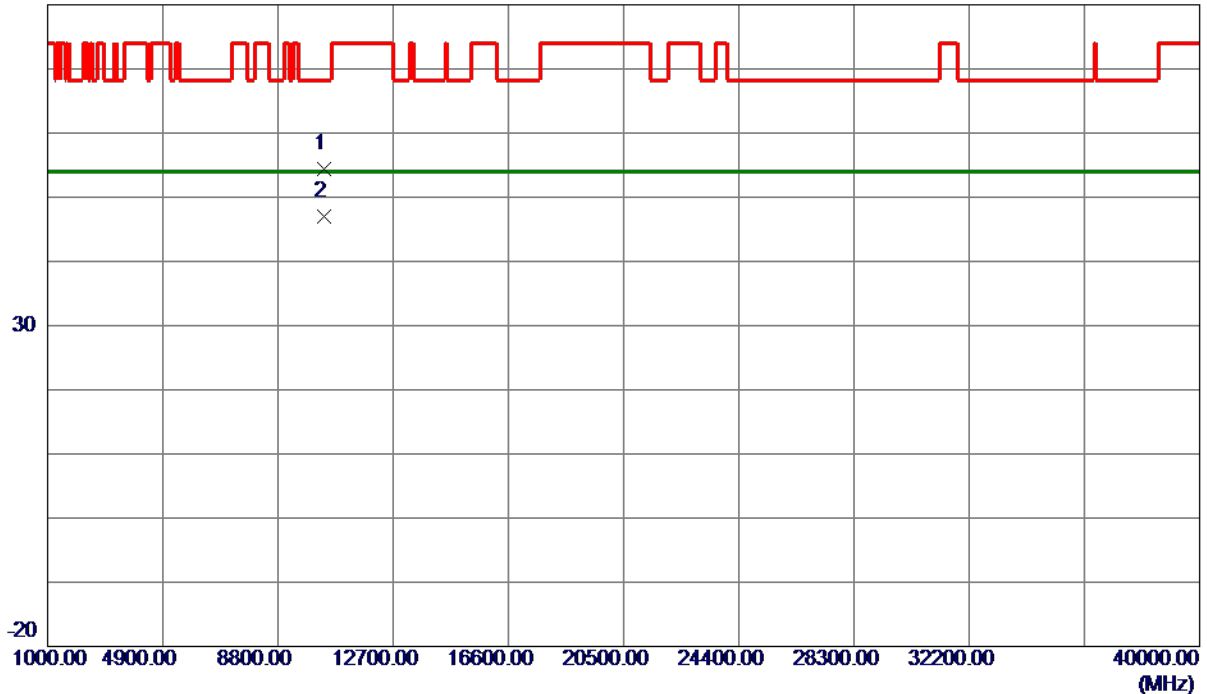
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-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	10376.4000	42.07	12.30	54.37	68.30	-13.93	Peak	
2 *	10378.8000	34.62	12.30	46.92	54.00	-7.08	AVG	

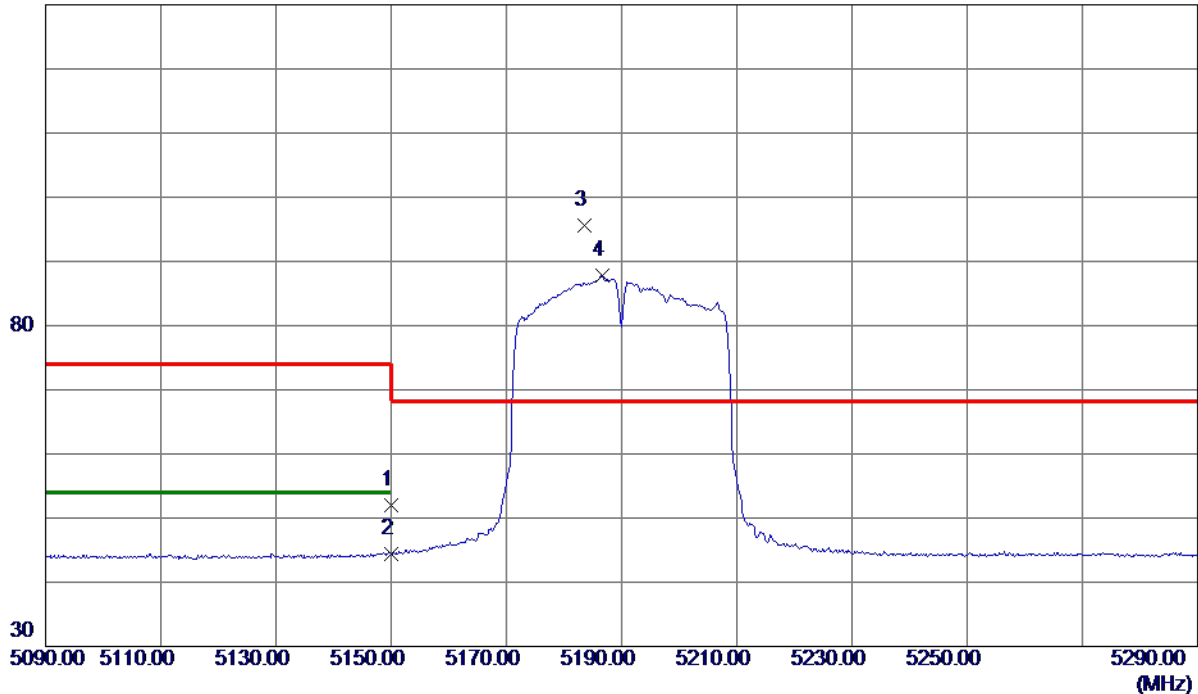
REMARKS:

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

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

Horizontal

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	36.69	15.26	51.95	74.00	-22.05	Peak	
2	5150.0000	29.09	15.26	44.35	54.00	-9.65	AVG	
3 *	5183.6000	80.23	15.34	95.57	68.30	27.27	Peak	No Limit
4	5186.6000	72.49	15.35	87.84	999.00	-911.16	AVG	No Limit

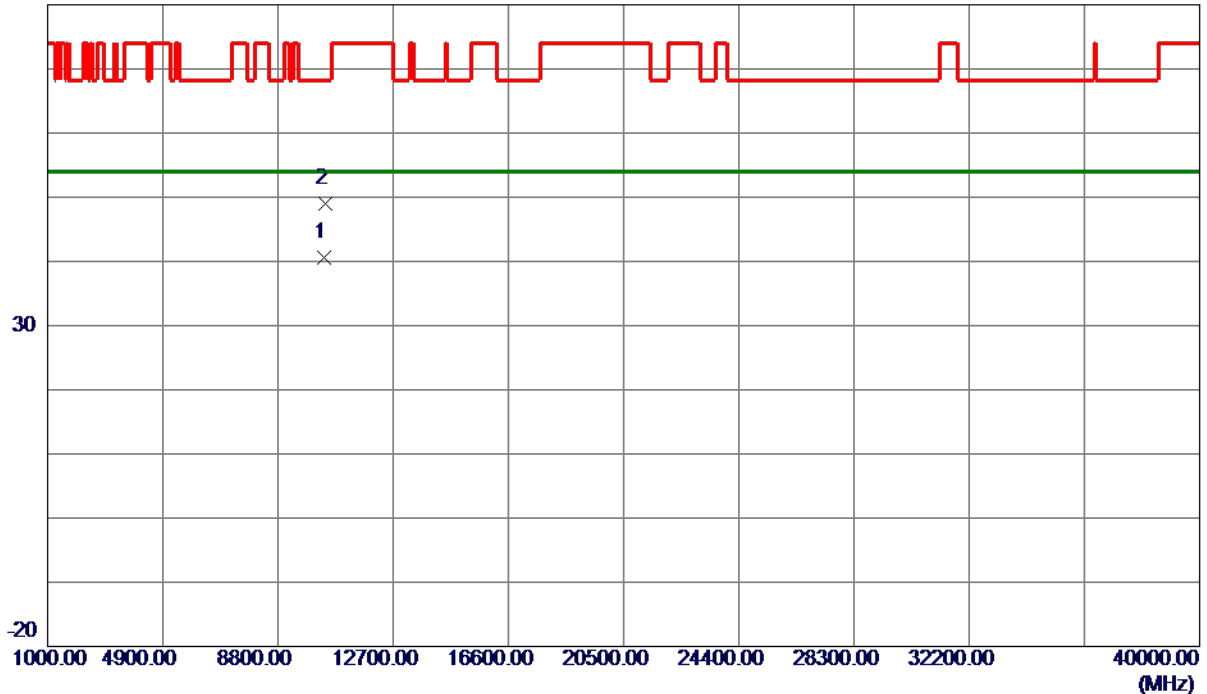
REMARKS:

- (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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10374.0000	28.36	12.30	40.66	54.00	-13.34	AVG	
2	10387.9200	36.63	12.30	48.93	68.30	-19.37	Peak	

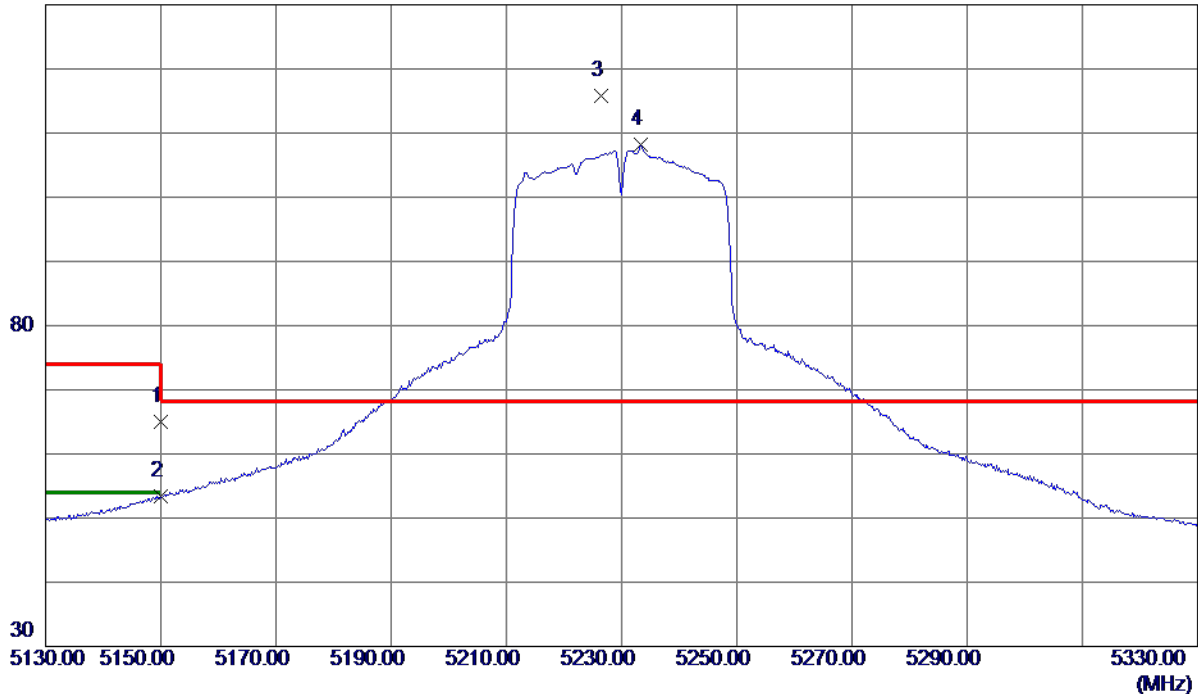
REMARKS:

- (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 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	5150.0000	49.79	15.26	65.05	74.00	-8.95	Peak	
2	5150.0000	38.05	15.26	53.31	54.00	-0.69	AVG	
3 *	5226.4000	100.26	15.44	115.70	68.30	47.40	Peak	No Limit
4	5233.4000	92.66	15.45	108.11	999.00	-890.89	AVG	No Limit

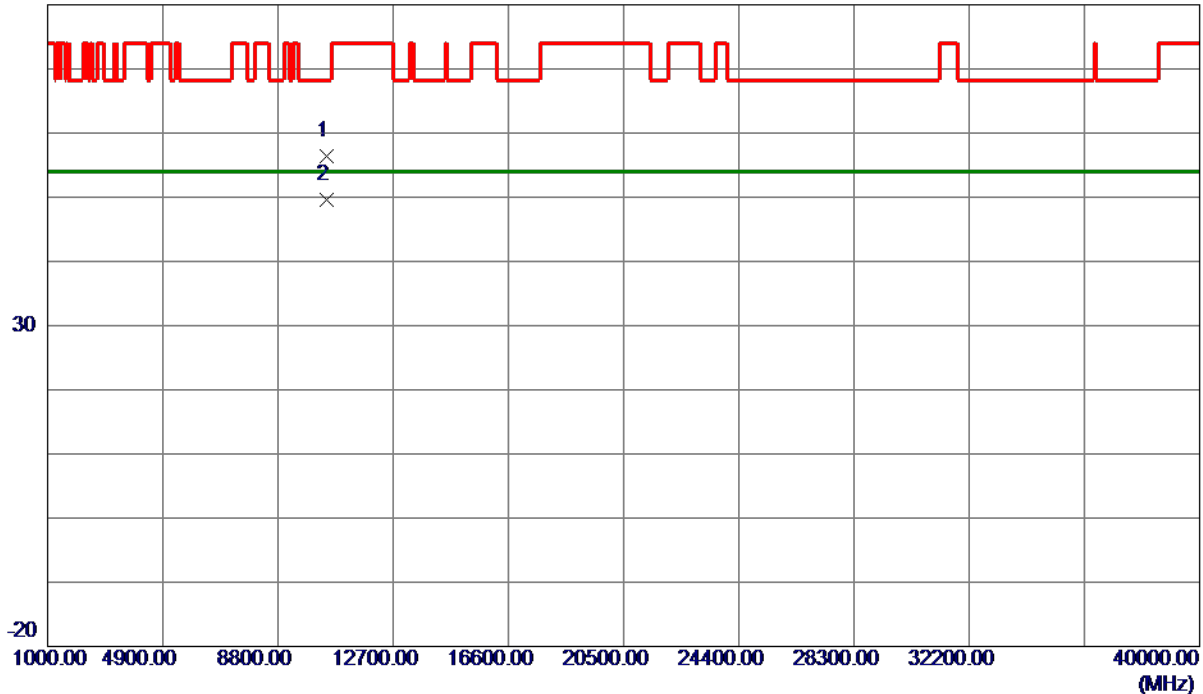
REMARKS:

- (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

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	10458.4800	44.04	12.35	56.39	68.30	-11.91	Peak	
2 *	10458.4800	37.34	12.35	49.69	54.00	-4.31	AVG	

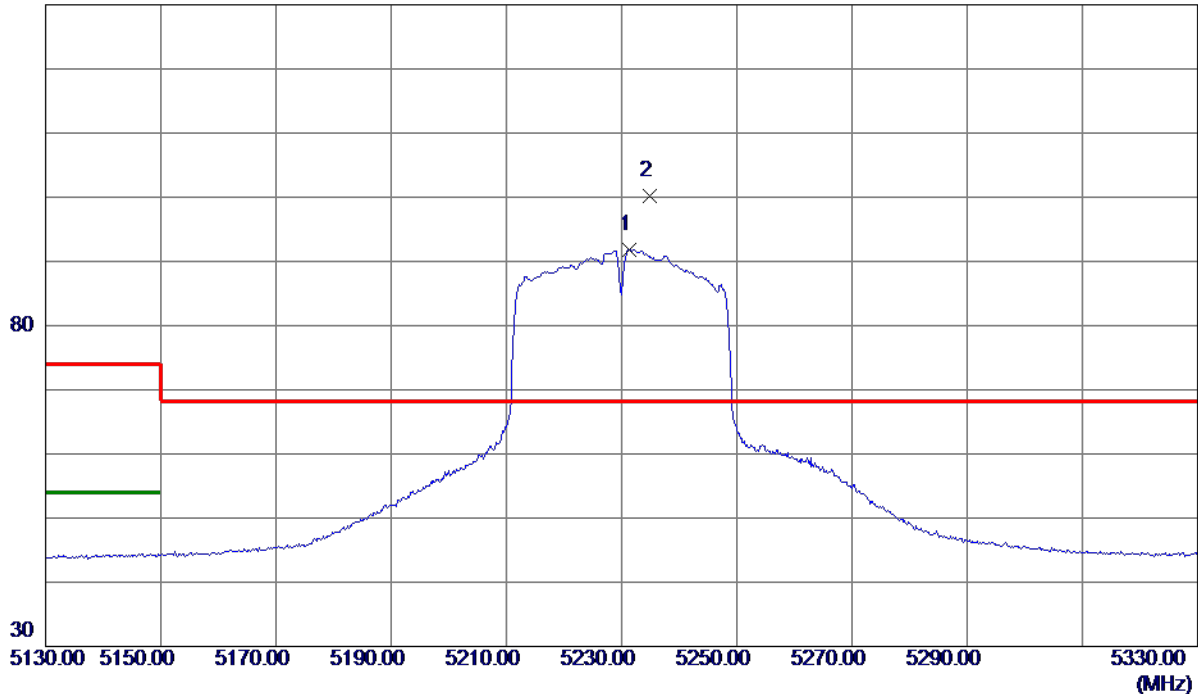
REMARKS:

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

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

Horizontal

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	5231.4000	76.39	15.45	91.84	999.00	-907.16	AVG	No Limit
2 *	5234.8000	84.73	15.46	100.19	68.30	31.89	Peak	No Limit

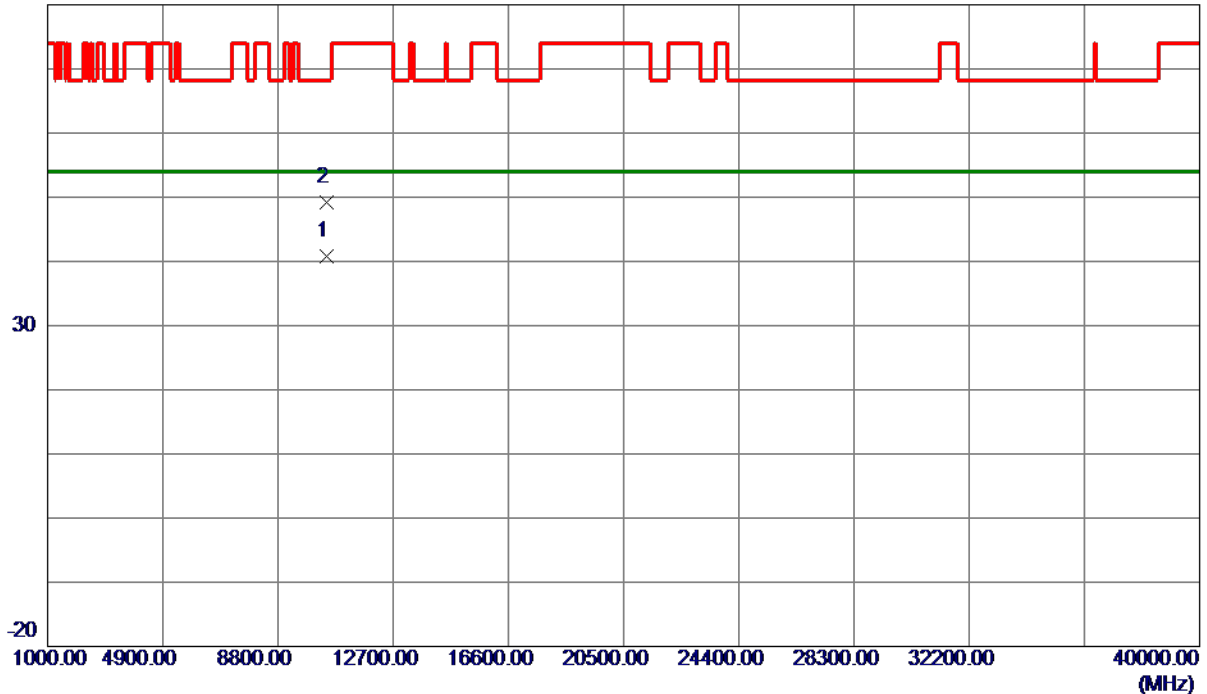
REMARKS:

- (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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10456.4000	28.41	12.35	40.76	54.00	-13.24	AVG	
2	10465.2000	36.78	12.35	49.13	68.30	-19.17	Peak	

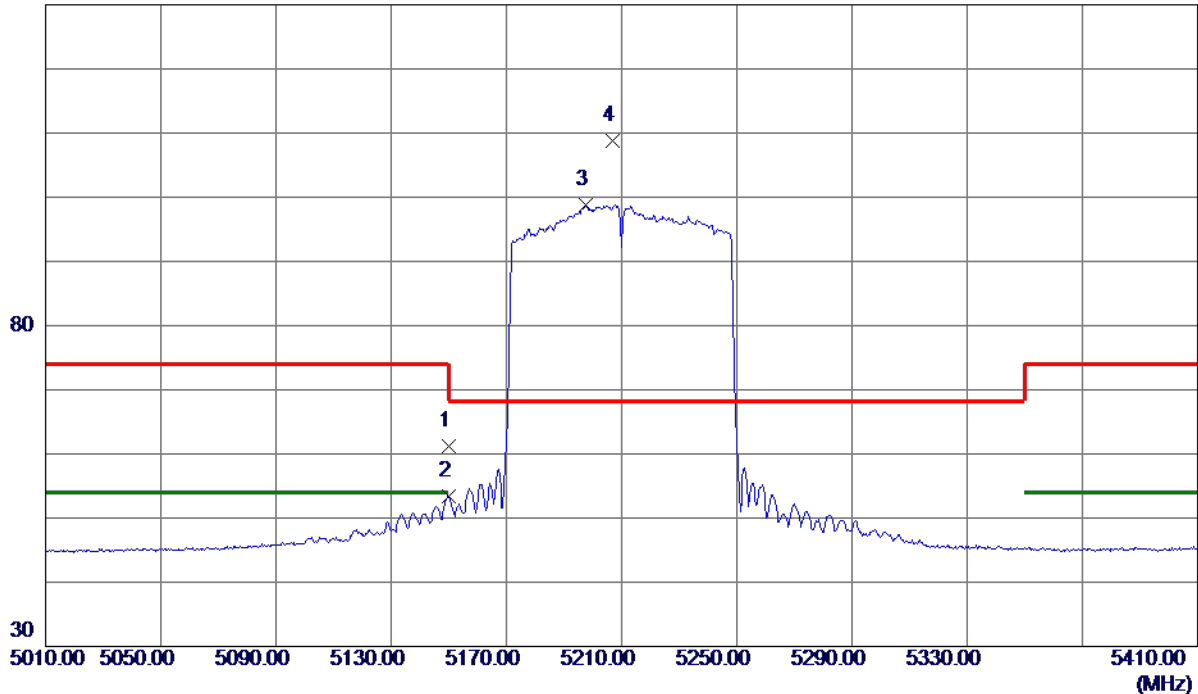
REMARKS:

- (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	46.01	15.26	61.27	74.00	-12.73	Peak	
2	5150.0000	38.07	15.26	53.33	54.00	-0.67	AVG	
3	5197.6000	83.52	15.37	98.89	999.00	-900.11	AVG	No Limit
4 *	5206.8000	93.45	15.39	108.84	68.30	40.54	Peak	No Limit

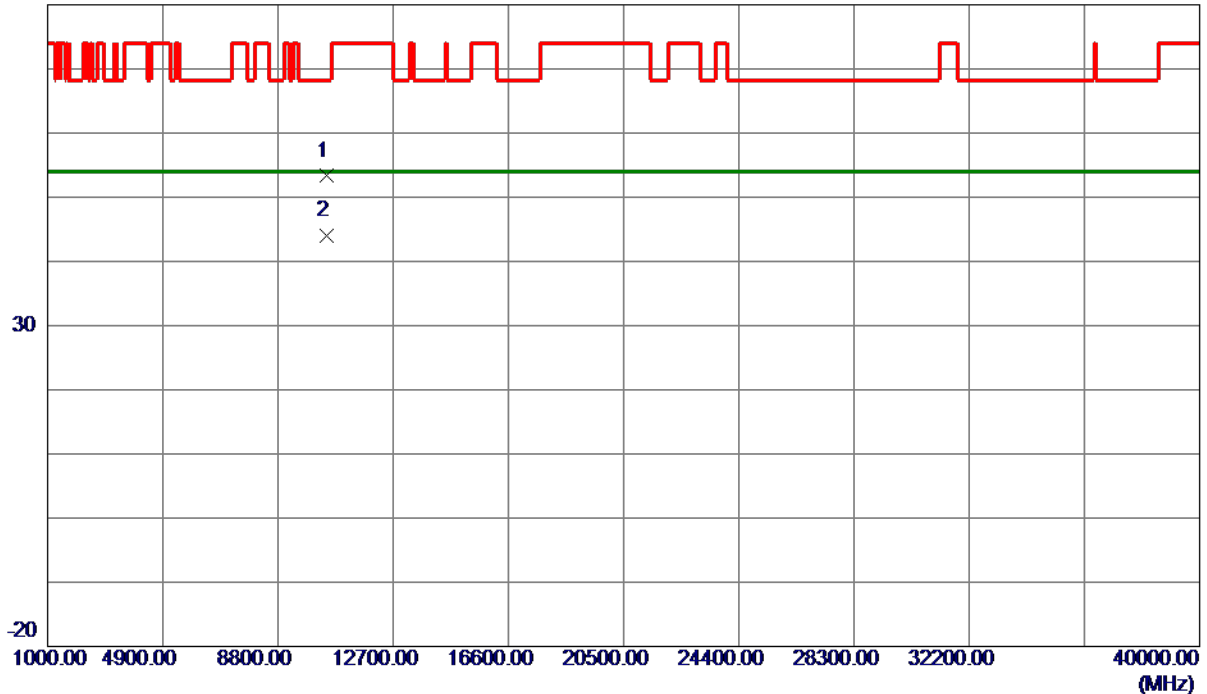
REMARKS:

- (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	10438.4800	40.96	12.34	53.30	68.30	-15.00	Peak	
2 *	10438.6400	31.64	12.34	43.98	54.00	-10.02	AVG	

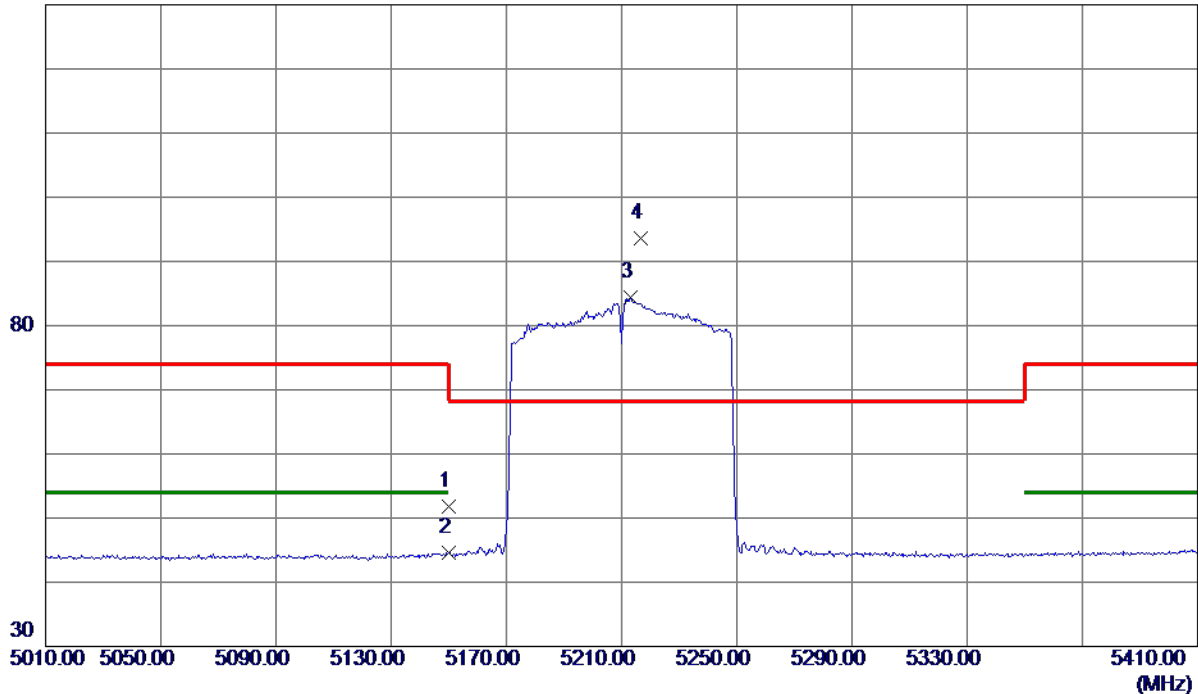
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	36.58	15.26	51.84	74.00	-22.16	Peak	
2	5150.0000	29.29	15.26	44.55	54.00	-9.45	AVG	
3	5213.2000	68.91	15.41	84.32	999.00	-914.68	AVG	No Limit
4 *	5216.8000	78.11	15.42	93.53	68.30	25.23	Peak	No Limit

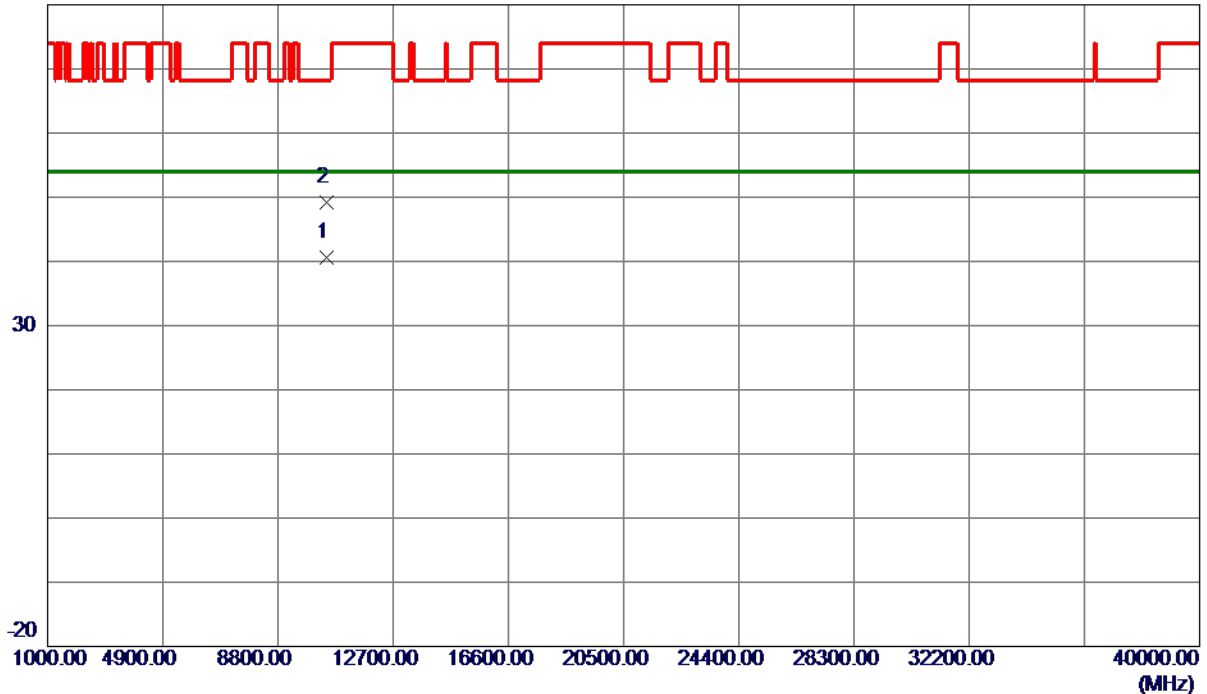
REMARKS:

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10440.5599	28.21	12.34	40.55	54.00	-13.45	AVG	
2	10450.4000	36.90	12.34	49.24	68.30	-19.06	Peak	

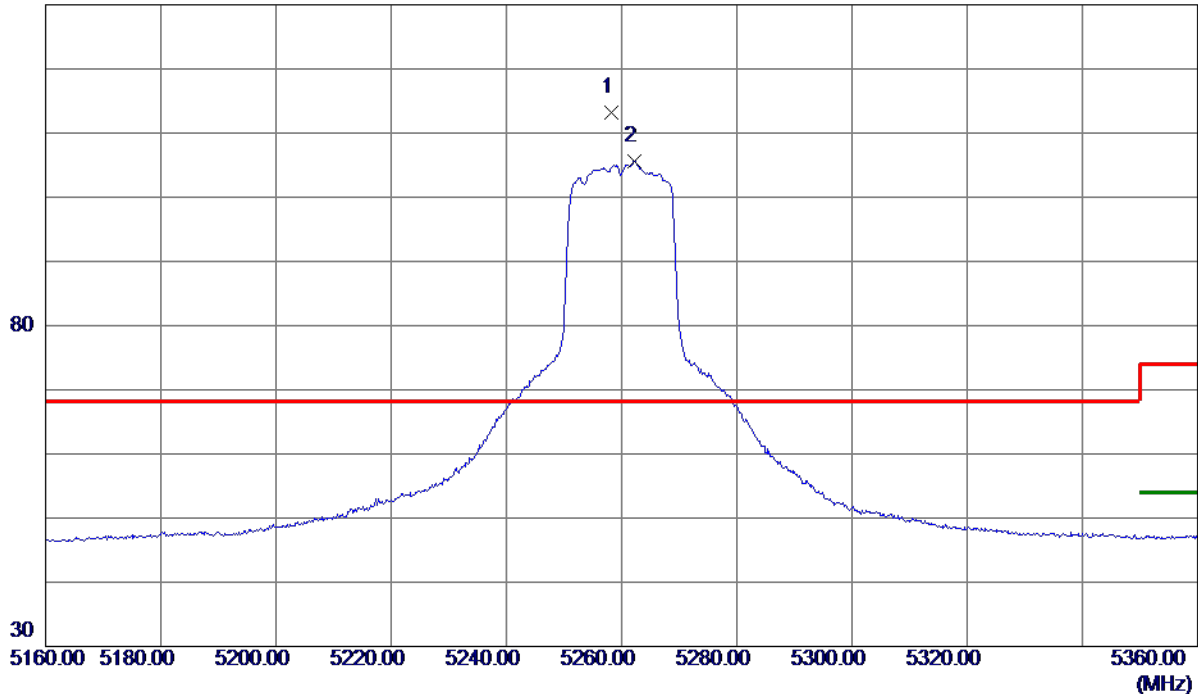
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 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 *	5258.3000	97.68	15.51	113.19	68.30	44.89	Peak	No Limit
2	5262.2000	90.08	15.52	105.60	999.00	-893.40	AVG	No Limit

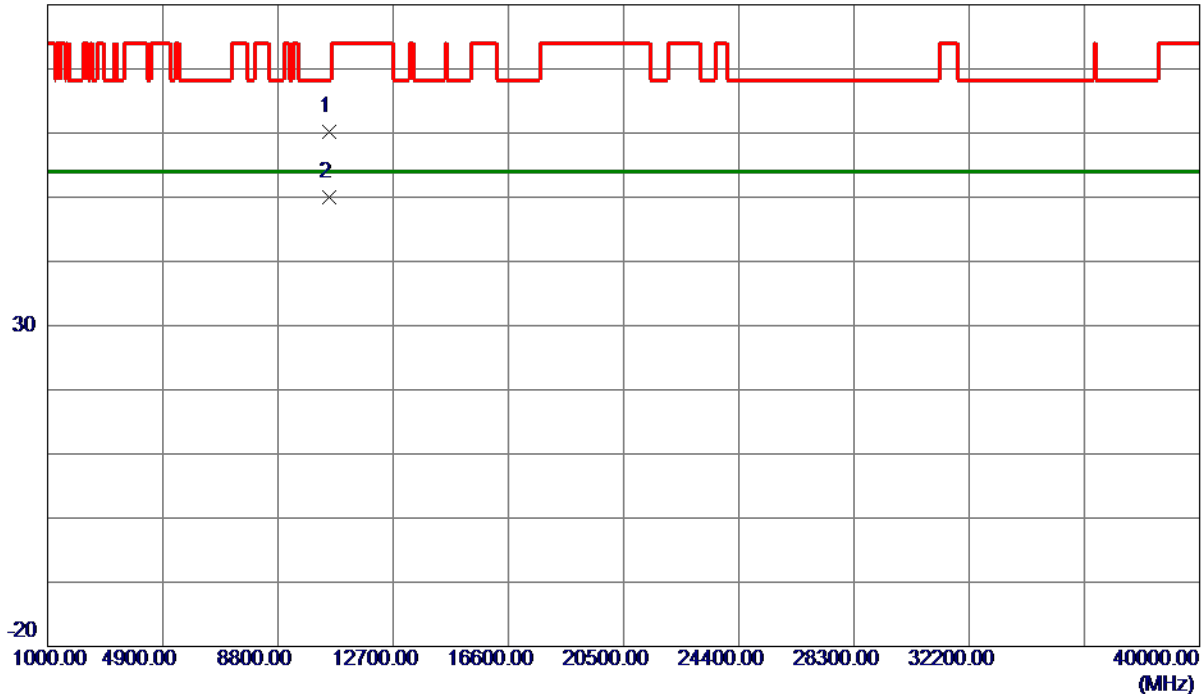
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 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	10517.1500	47.88	12.39	60.27	68.30	-8.03	Peak	
2 *	10519.5500	37.58	12.39	49.97	54.00	-4.03	AVG	

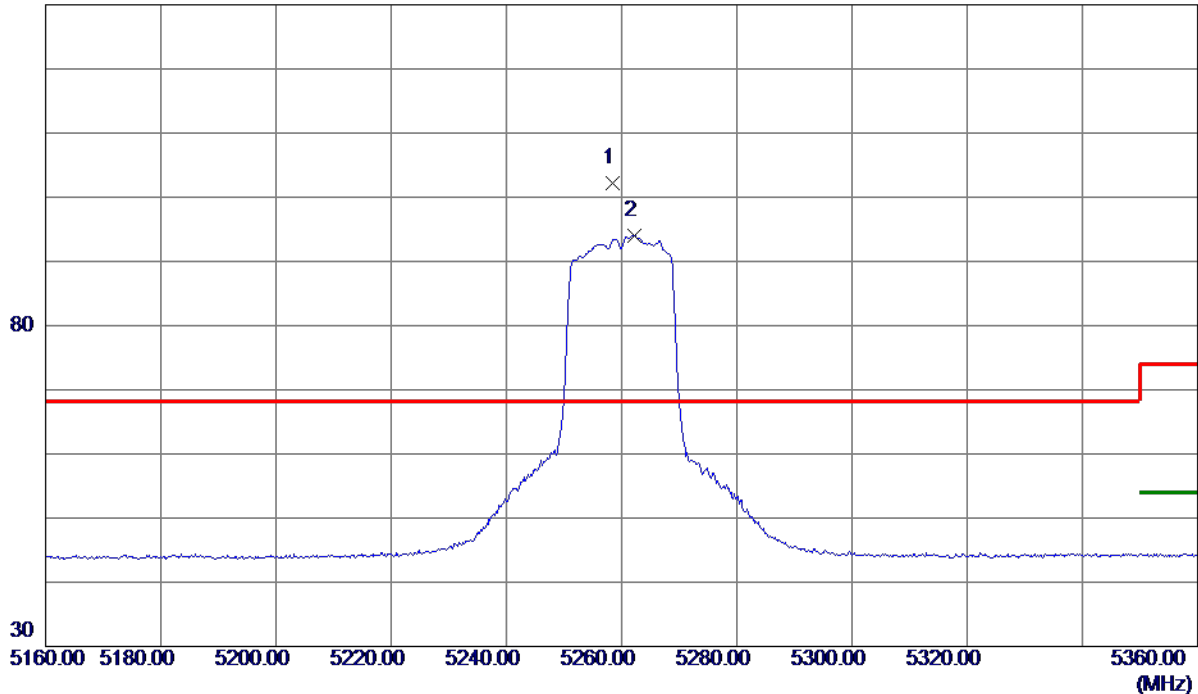
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5258.4000	86.72	15.51	102.23	68.30	33.93	Peak	No Limit
2	5262.2000	78.58	15.52	94.10	999.00	-904.90	AVG	No Limit

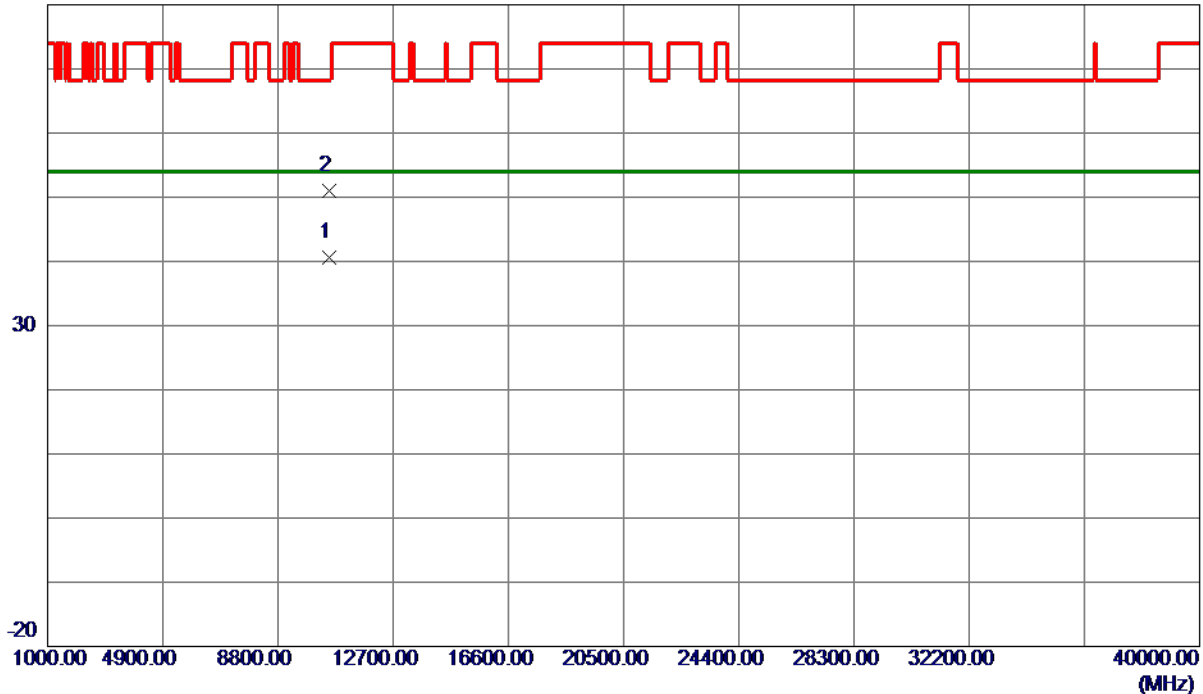
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10516.9100	28.15	12.39	40.54	54.00	-13.46	AVG	
2	10518.6500	38.59	12.39	50.98	68.30	-17.32	Peak	

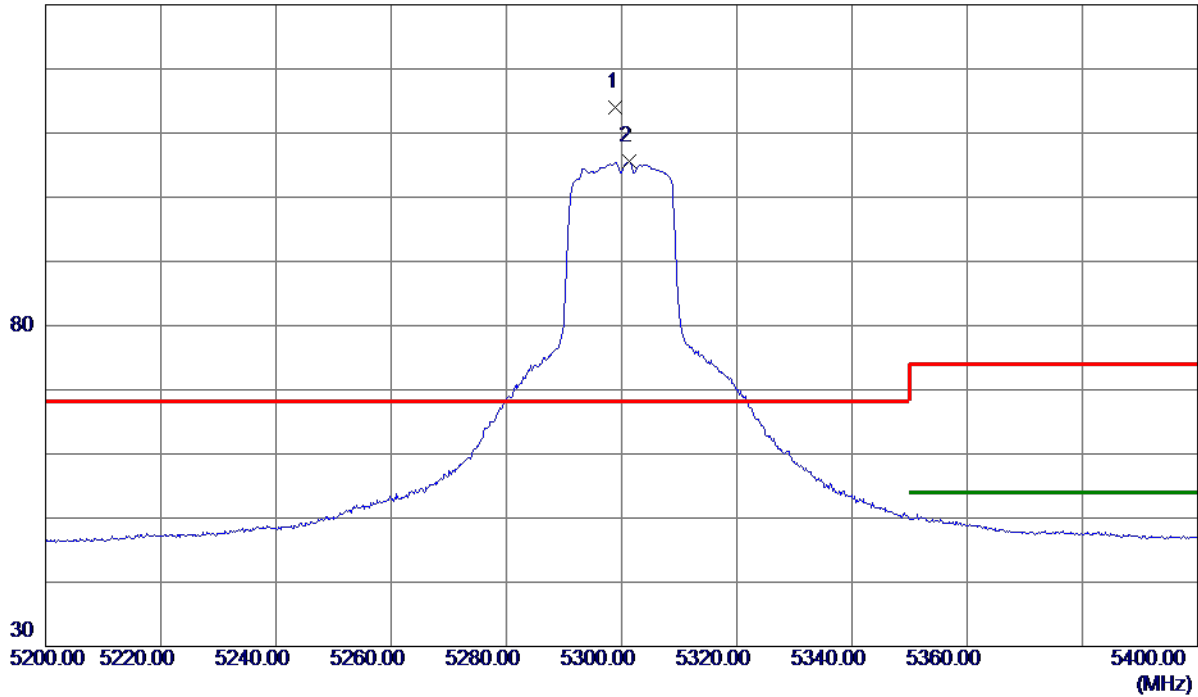
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 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 *	5299.0000	98.34	15.60	113.94	68.30	45.64	Peak	No Limit
2	5301.3000	89.91	15.61	105.52	999.00	-893.48	AVG	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 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 *	10599.4600	38.33	12.46	50.79	54.00	-3.21	AVG	
2	10599.9100	49.62	12.46	62.08	68.30	-6.22	Peak	

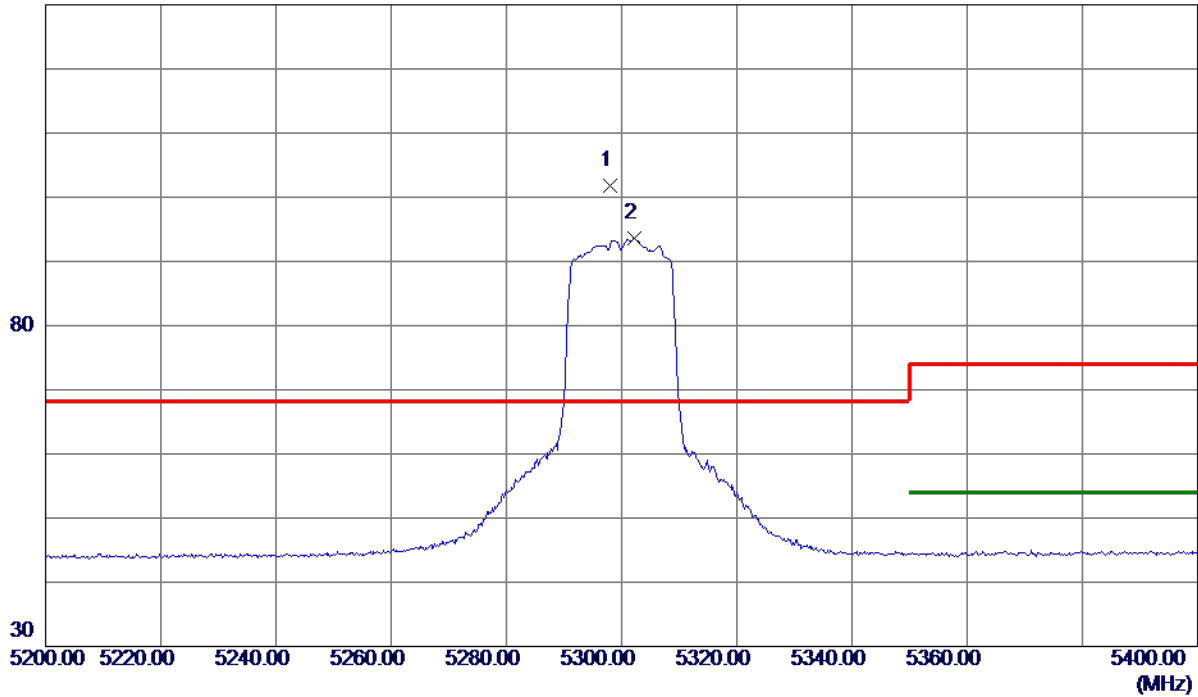
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5298.0000	86.28	15.60	101.88	68.30	33.58	Peak	No Limit
2	5302.2000	77.91	15.61	93.52	999.00	-905.48	AVG	No Limit

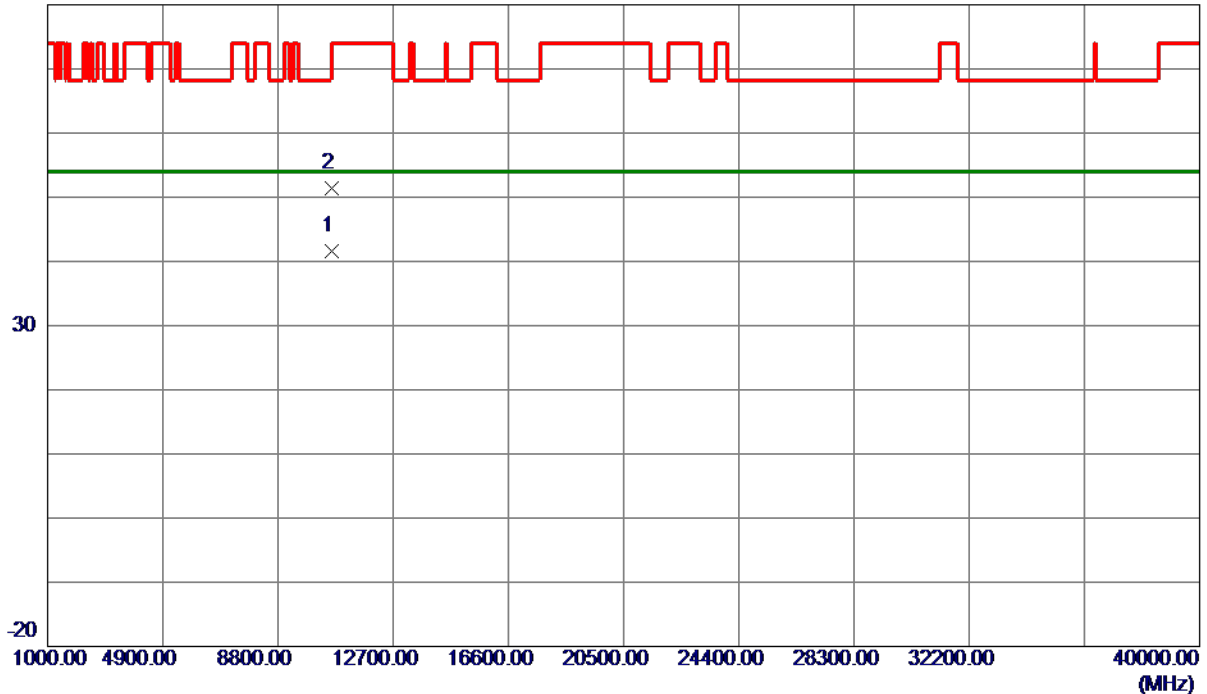
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz

Horizontal

80 dBuV/m

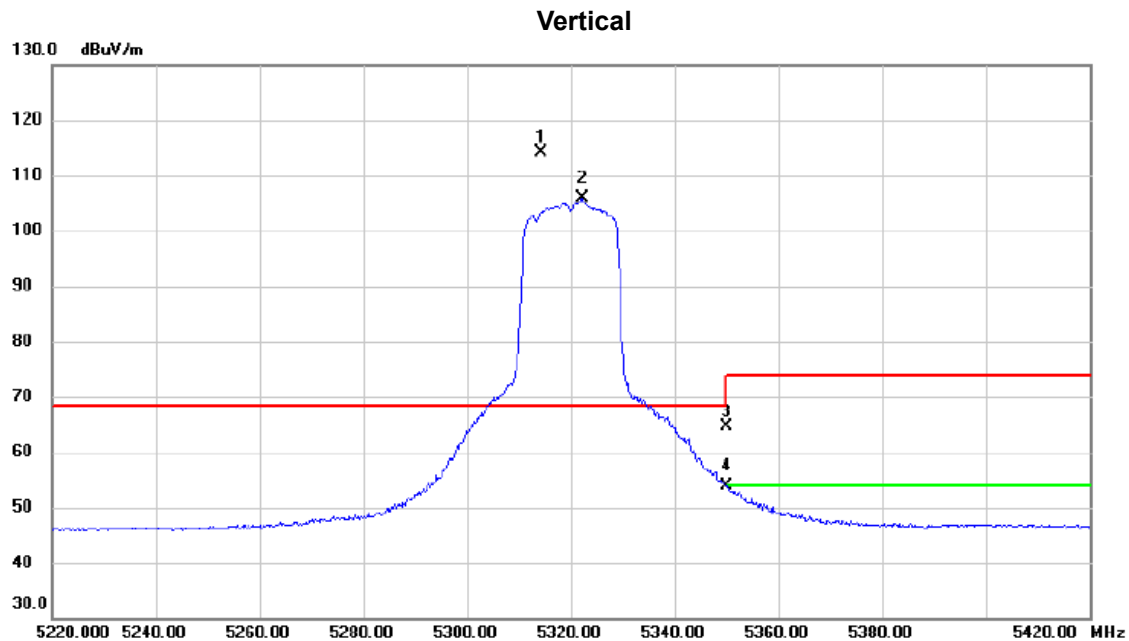


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10599.2800	29.09	12.46	41.55	54.00	-12.45	AVG	
2	10605.4900	38.98	12.46	51.44	74.00	-22.56	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5314.400	98.37	15.64	114.01	68.30	45.71	peak	No Limit
2	X	5322.200	90.18	15.65	105.83	68.30	37.53	AVG	No Limit
3		5350.000	48.97	15.72	64.69	74.00	-9.31	peak	
4		5350.000	38.07	15.72	53.79	54.00	-0.21	AVG	

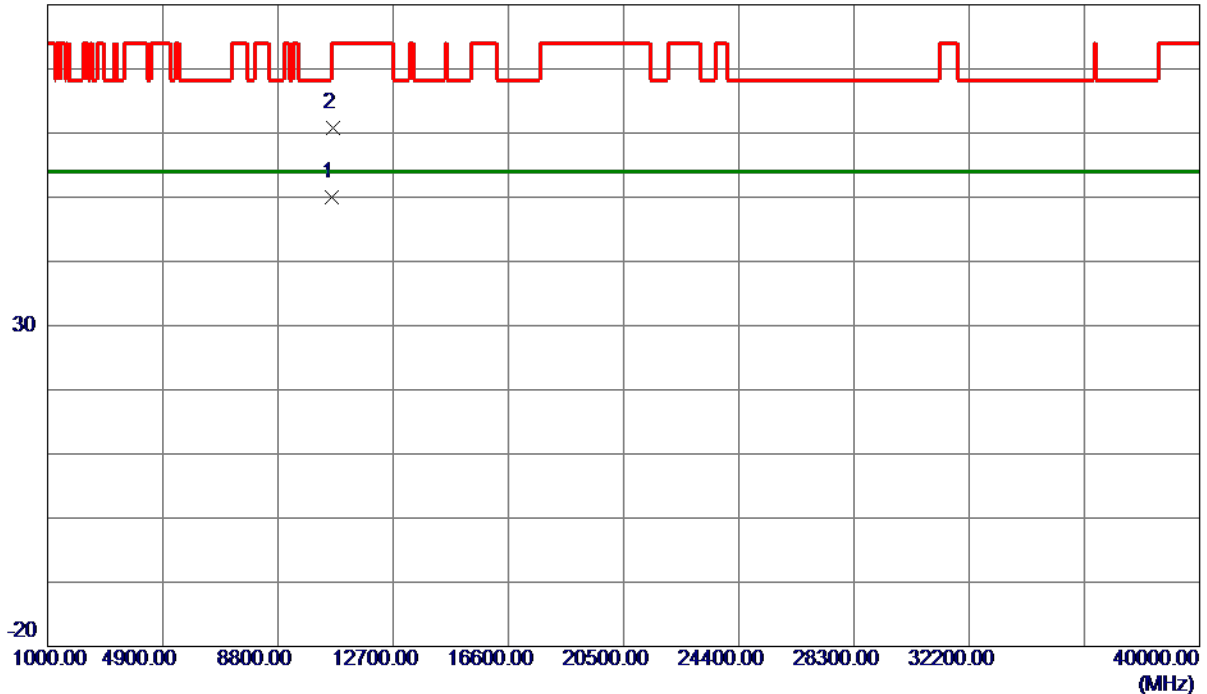
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz

Vertical

80 dBuV/m

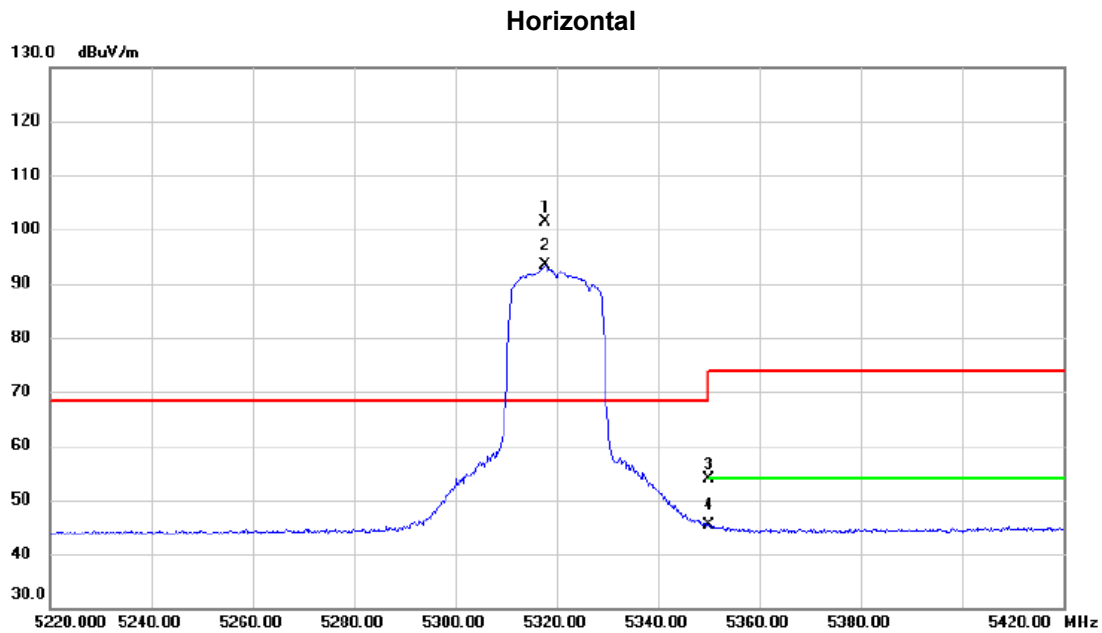


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10639.0400	37.56	12.49	50.05	54.00	-3.95	AVG	
2	10644.1700	48.27	12.49	60.76	74.00	-13.24	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5317.600	85.67	15.64	101.31	68.30	33.01	peak	No Limit
2	X	5317.800	77.78	15.64	93.42	68.30	25.12	AVG	No Limit
3		5350.000	38.09	15.72	53.81	74.00	-20.19	peak	
4		5350.000	29.60	15.72	45.32	54.00	-8.68	AVG	

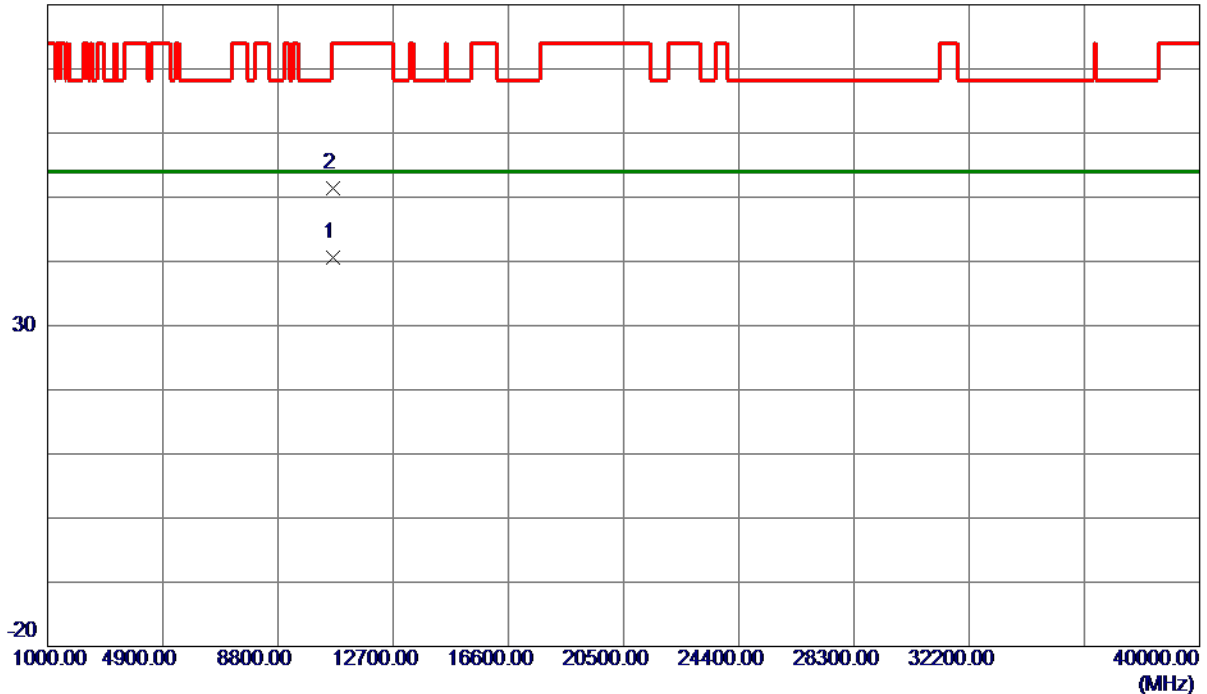
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10642.4000	28.03	12.49	40.52	54.00	-13.48	AVG	
2	10650.0800	38.81	12.50	51.31	74.00	-22.69	Peak	

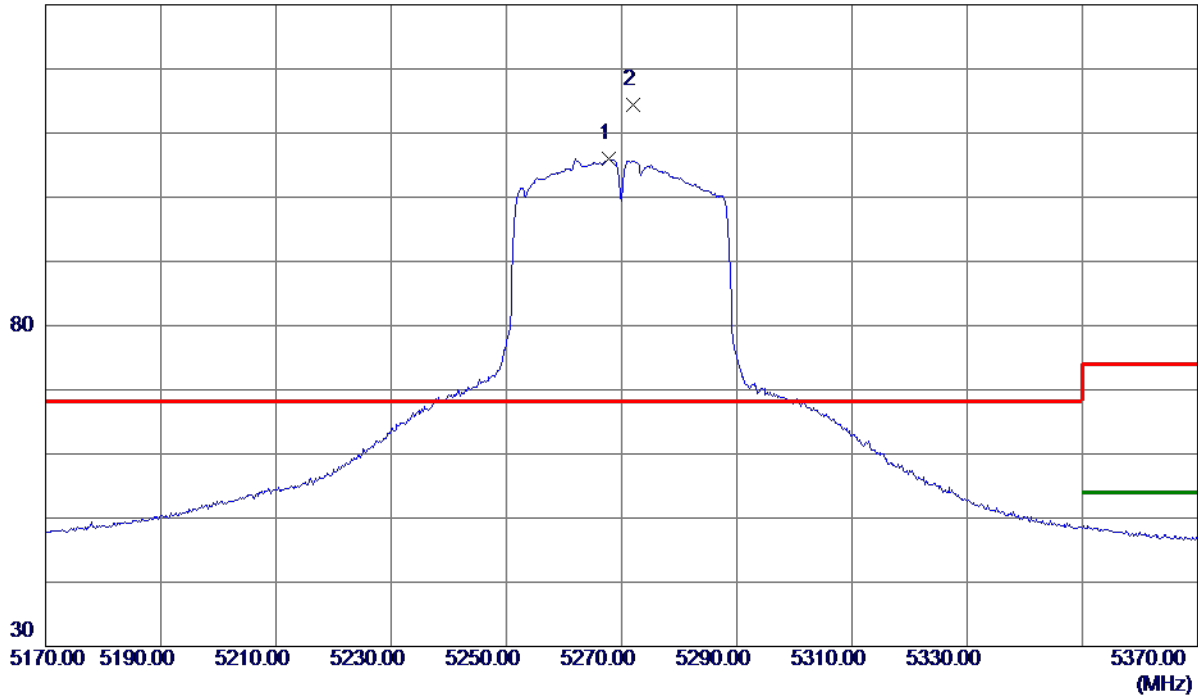
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 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	5267.8000	90.48	15.53	106.01	999.00	-892.99	AVG	No Limit
2 *	5272.0000	98.88	15.54	114.42	68.30	46.12	Peak	No Limit

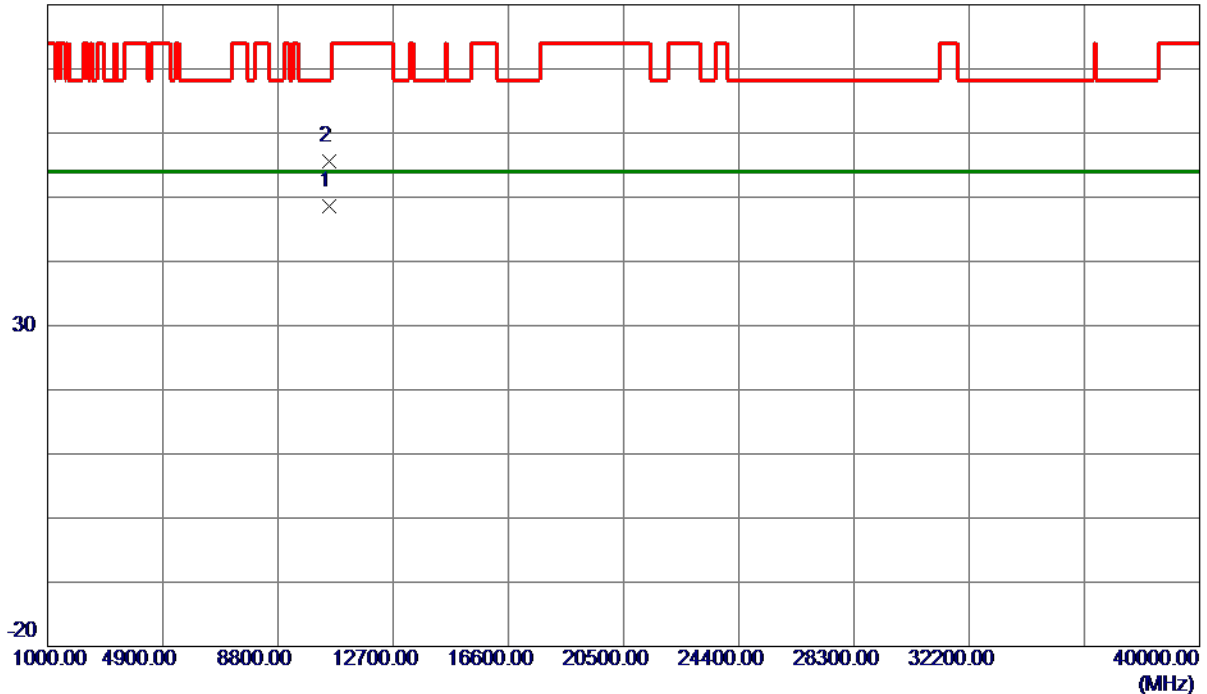
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 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	10538.5599	36.24	12.41	48.65	68.30	-19.65	Peak	
2 *	10538.5599	43.14	12.41	55.55	68.30	-12.75	Peak	

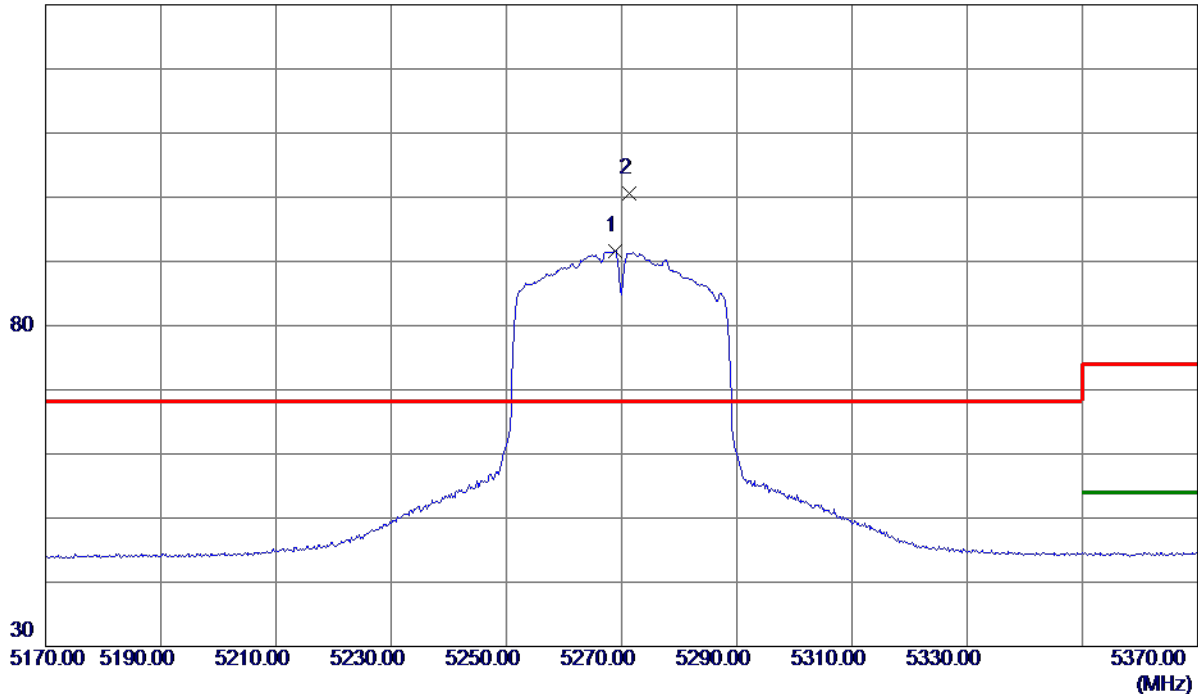
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5268.8000	76.11	15.54	91.65	999.00	-907.35	AVG	No Limit
2 *	5271.4000	85.13	15.54	100.67	68.30	32.37	Peak	No Limit

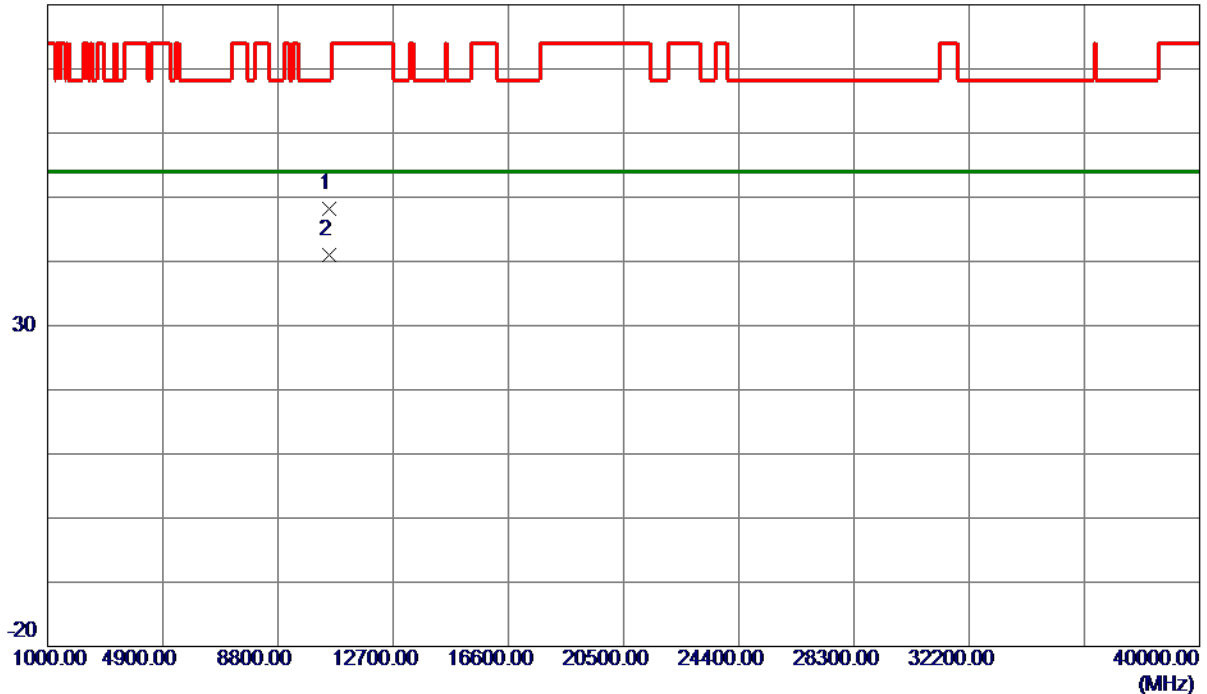
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz

Horizontal

80 dBuV/m

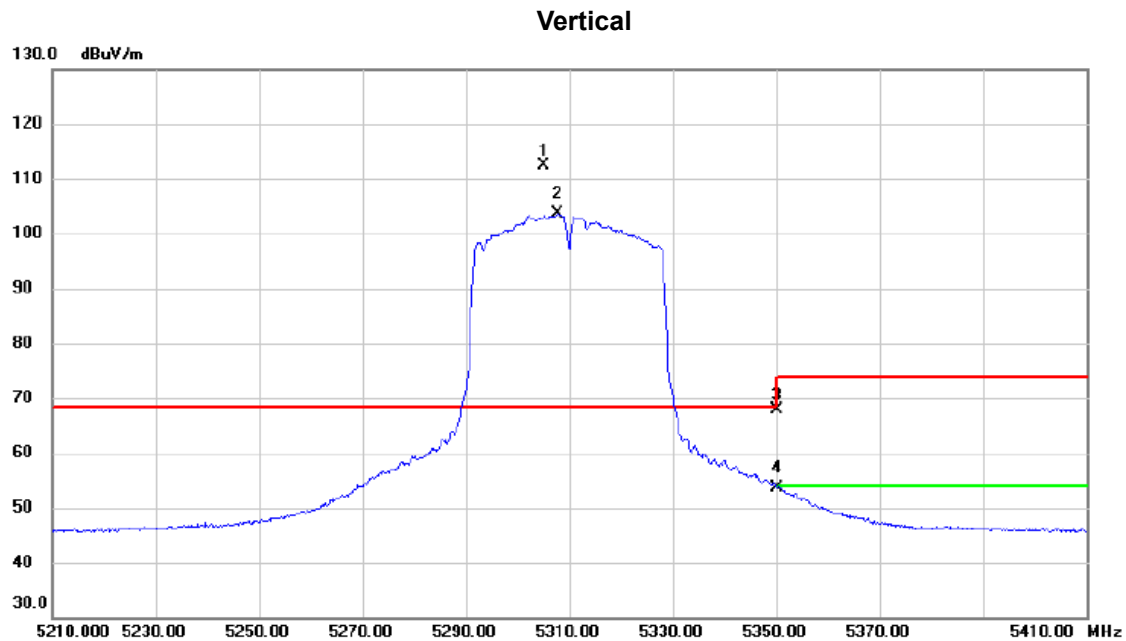


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10526.7200	35.85	12.40	48.25	68.30	-20.05	Peak	
2 *	10544.8000	28.58	12.41	40.99	54.00	-13.01	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5305.200	96.69	15.61	112.30	68.30	44.00	peak	No Limit
2	X	5307.800	88.04	15.62	103.66	68.30	35.36	AVG	No Limit
3		5350.000	52.11	15.72	67.83	74.00	-6.17	peak	
4		5350.000	37.85	15.72	53.57	54.00	-0.43	AVG	

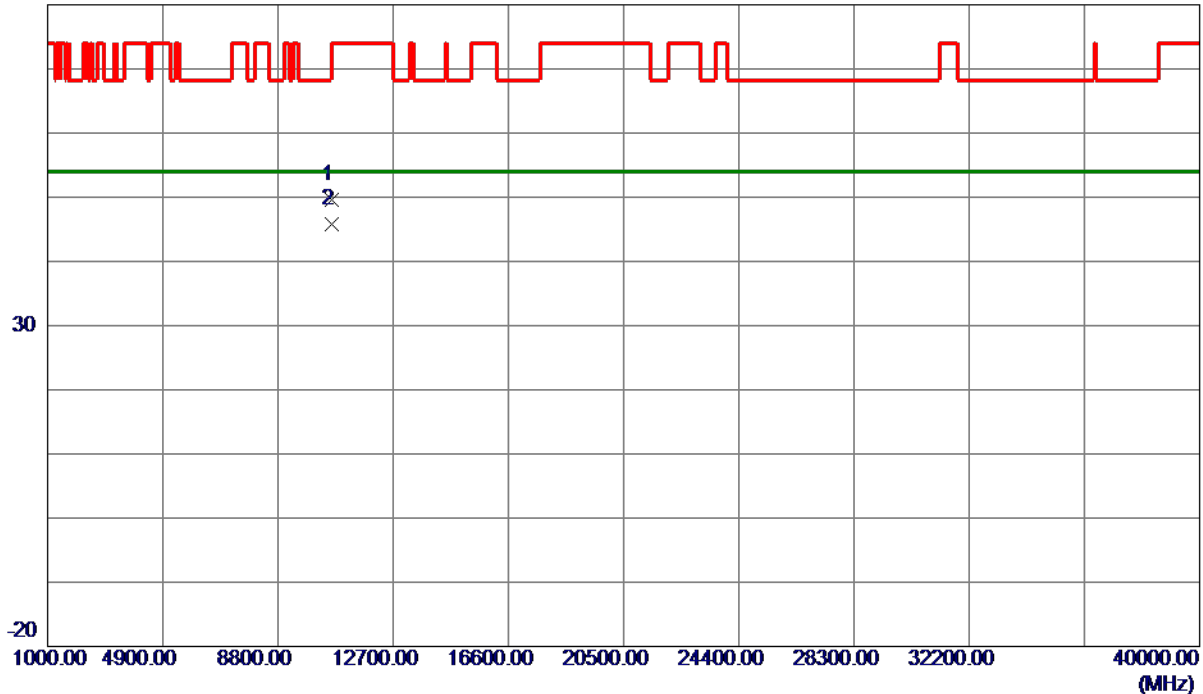
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz

Vertical

80 dBuV/m

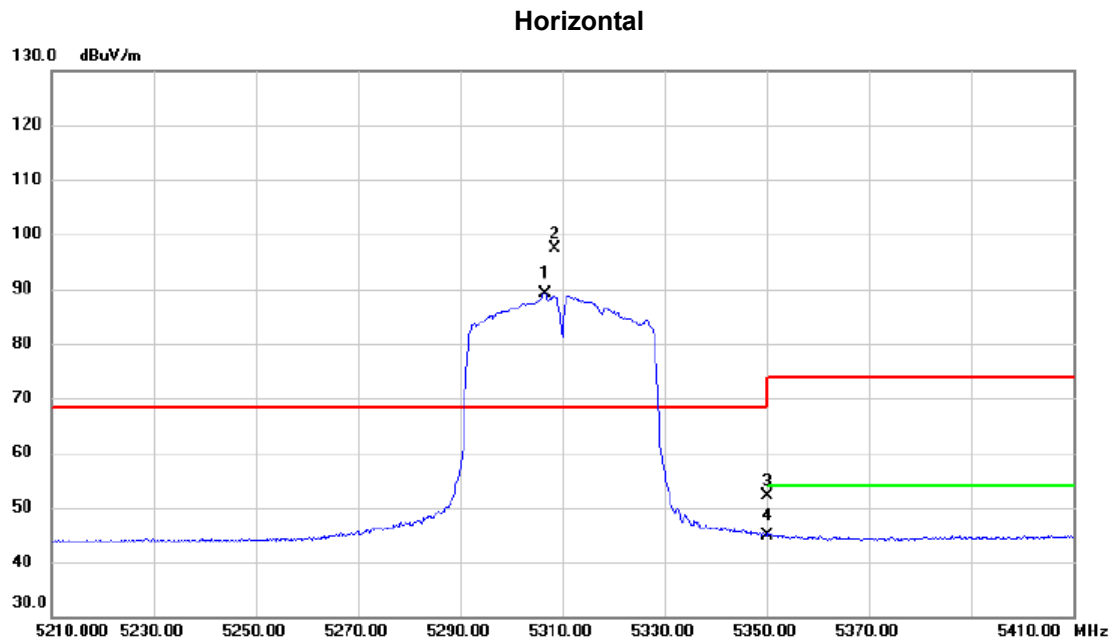


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10618.3200	37.21	12.47	49.68	74.00	-24.32	Peak	
2 *	10618.5599	33.26	12.47	45.73	54.00	-8.27	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5306.600	73.46	15.62	89.08	68.30	20.78	AVG	No Limit
2	*	5308.600	81.76	15.63	97.39	68.30	29.09	peak	No Limit
3		5350.000	36.43	15.72	52.15	74.00	-21.85	peak	
4		5350.000	29.18	15.72	44.90	54.00	-9.10	AVG	

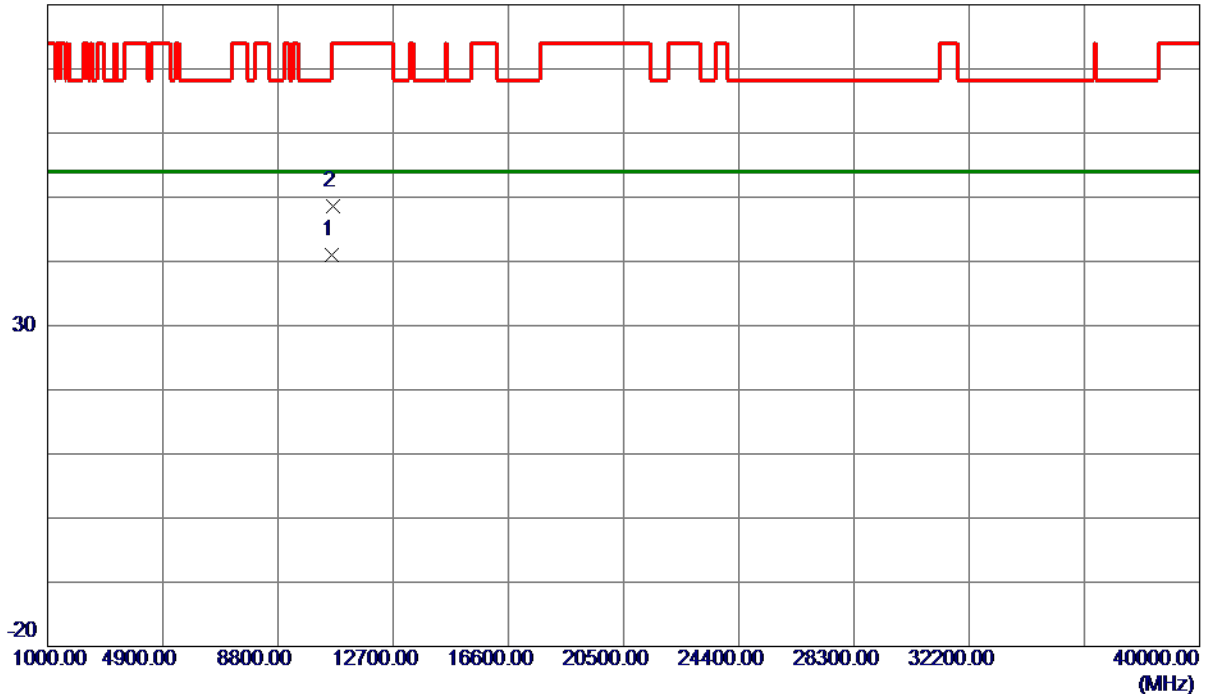
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz

Horizontal

80 dBuV/m

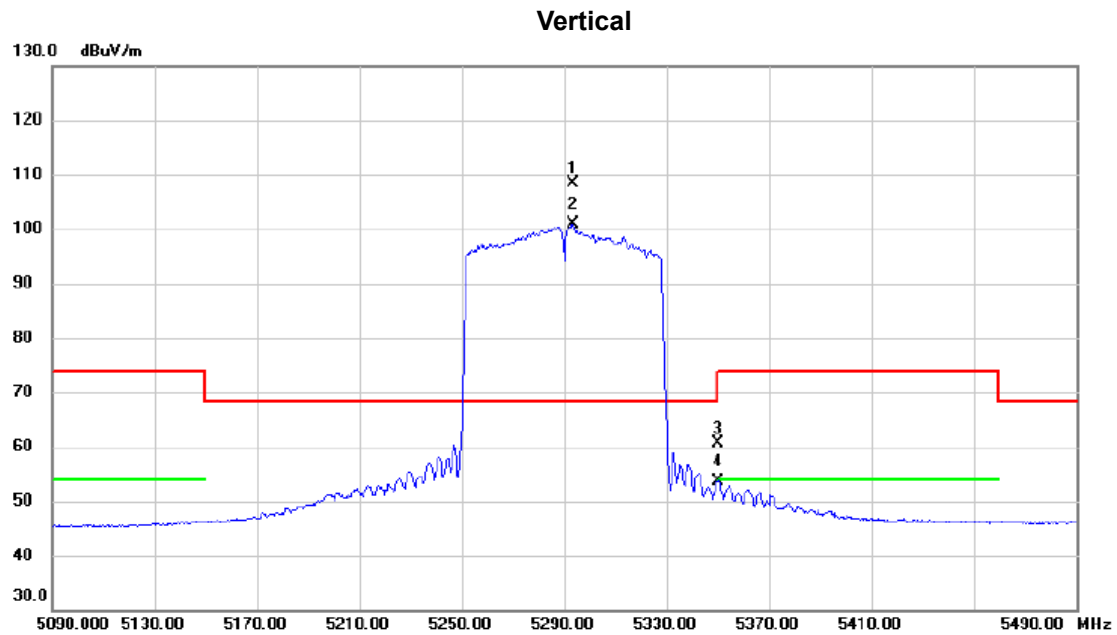


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10614.8800	28.59	12.47	41.06	54.00	-12.94	AVG	
2	10644.3200	36.09	12.49	48.58	74.00	-25.42	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5293.600	92.78	15.60	108.38	68.30	40.08	peak	No Limit
2	X	5293.600	85.31	15.60	100.91	68.30	32.61	AVG	No Limit
3		5350.000	44.95	15.72	60.67	74.00	-13.33	peak	
4		5350.000	37.85	15.72	53.57	54.00	-0.43	AVG	

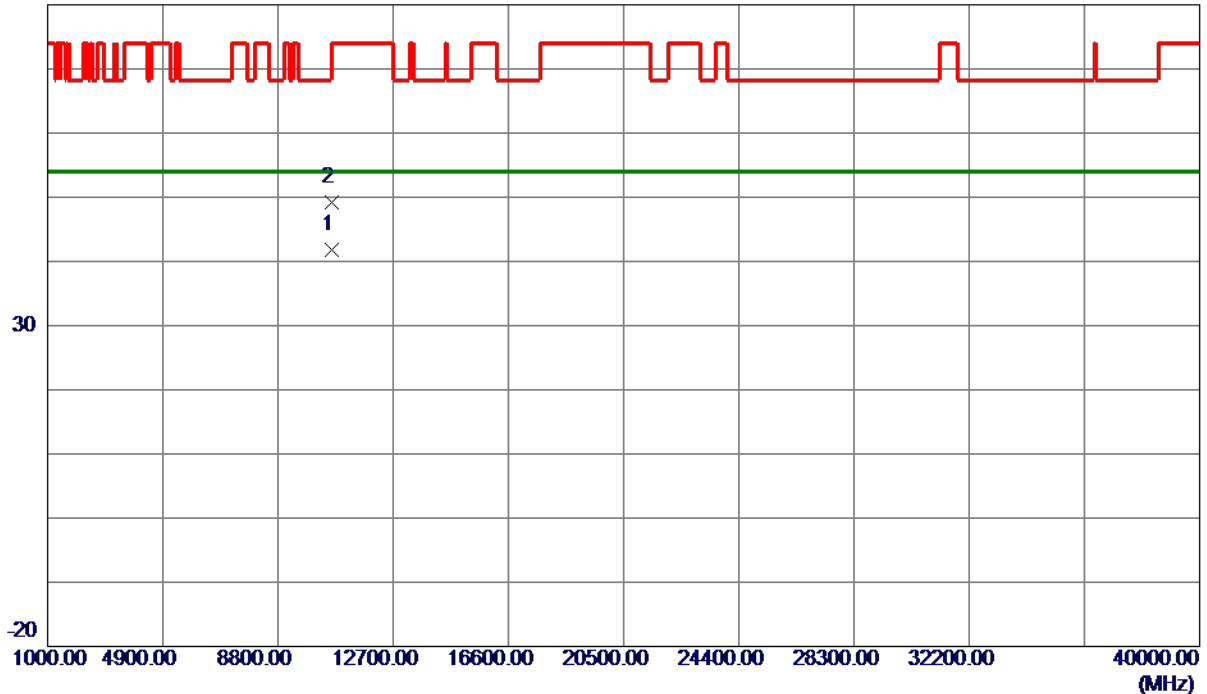
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz

Vertical

80 dBuV/m

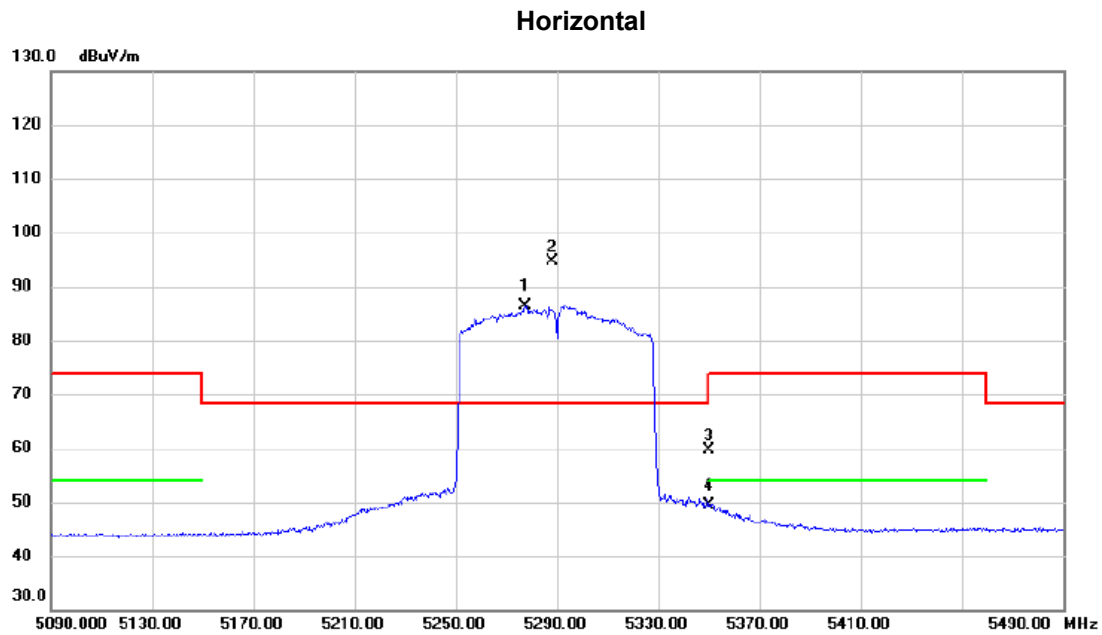


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10598.8000	29.32	12.45	41.77	54.00	-12.23	AVG	
2	10609.6800	36.66	12.46	49.12	74.00	-24.88	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5277.600	70.93	15.56	86.49	68.30	18.19	AVG	No Limit
2	*	5288.400	79.02	15.59	94.61	68.30	26.31	peak	No Limit
3		5350.000	43.84	15.72	59.56	74.00	-14.44	peak	
4		5350.000	33.68	15.72	49.40	54.00	-4.60	AVG	

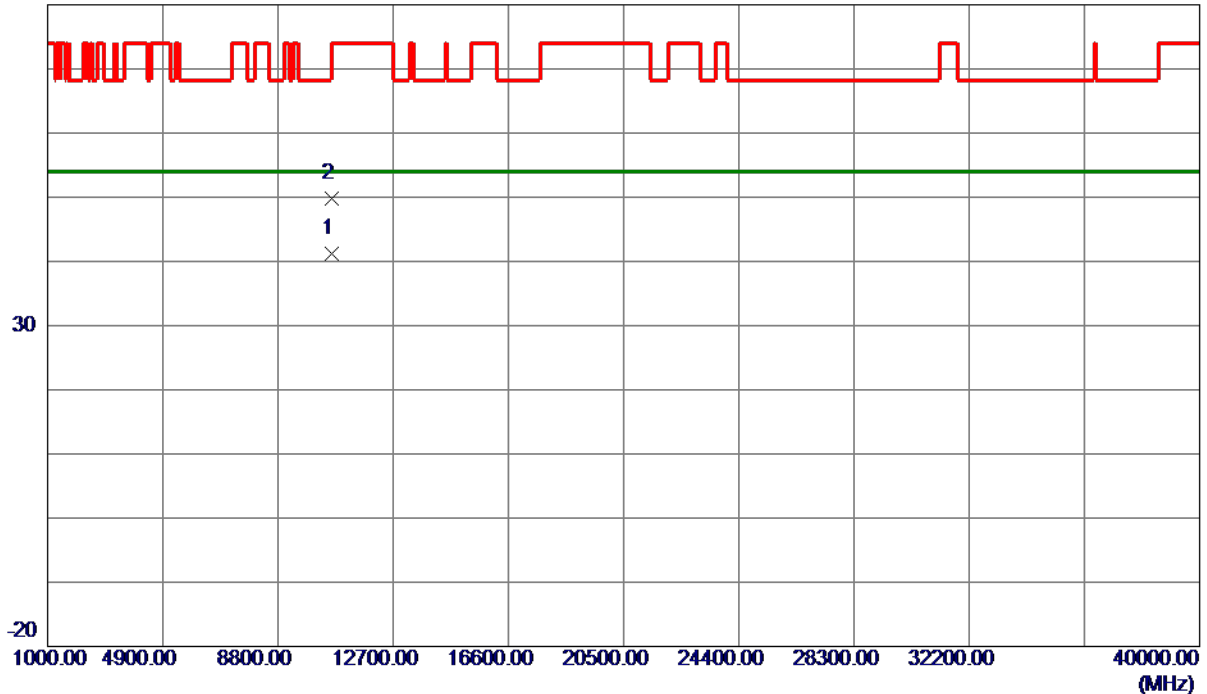
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10607.3600	28.75	12.46	41.21	54.00	-12.79	AVG	
2	10618.3200	37.31	12.47	49.78	74.00	-24.22	Peak	

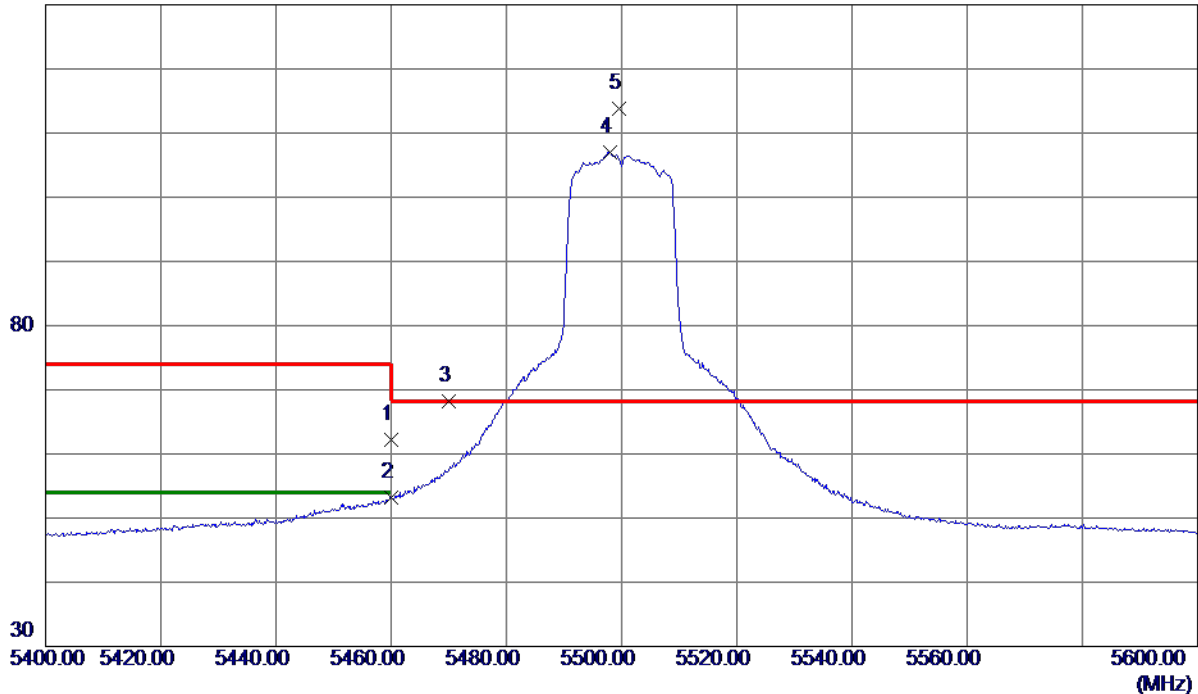
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 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	5460.0000	46.29	15.97	62.26	74.00	-11.74	Peak	
2	5460.0000	37.14	15.97	53.11	54.00	-0.89	AVG	
3	5470.0000	52.23	16.00	68.23	68.30	-0.07	Peak	
4	5497.9000	91.02	16.06	107.08	999.00	-891.92	AVG	No Limit
5 *	5499.5000	97.65	16.06	113.71	68.30	45.41	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 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 *	10998.6800	37.90	12.78	50.68	54.00	-3.32	AVG	
2	11001.1100	49.25	12.78	62.03	74.00	-11.97	Peak	

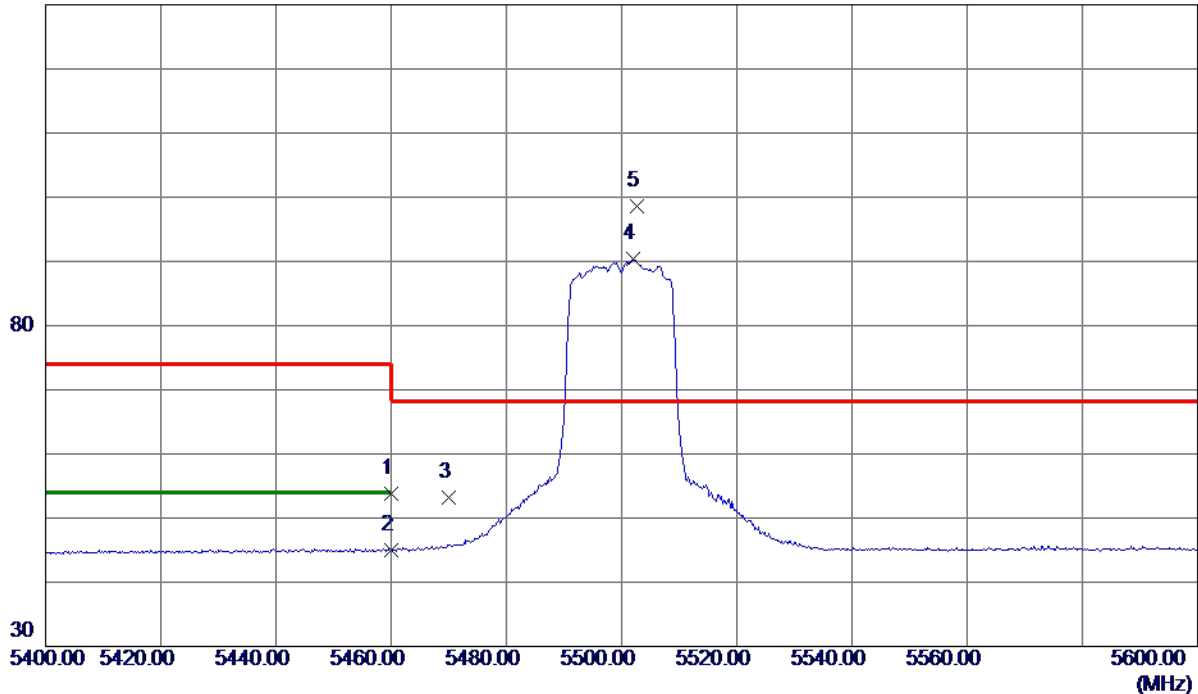
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	37.79	15.97	53.76	74.00	-20.24	Peak	
2	5460.0000	28.99	15.97	44.96	54.00	-9.04	AVG	
3	5470.0000	37.29	16.00	53.29	68.30	-15.01	Peak	
4	5502.0000	74.32	16.07	90.39	999.00	-908.61	AVG	No Limit
5 *	5502.6000	82.50	16.07	98.57	68.30	30.27	Peak	No Limit

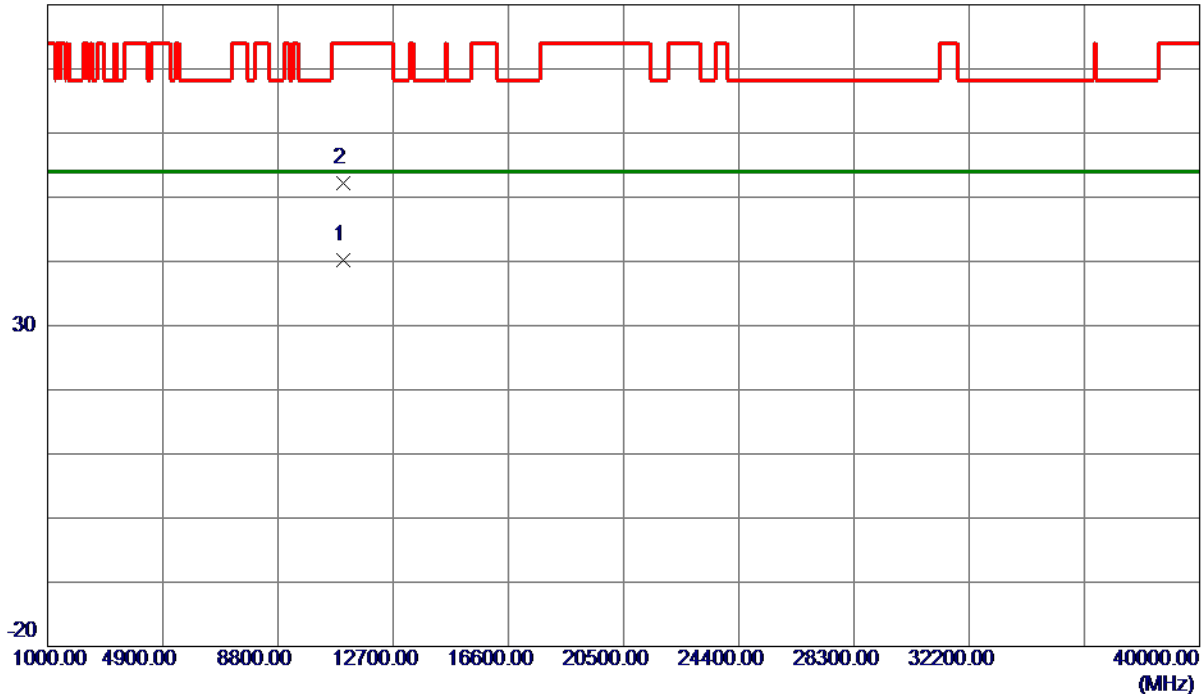
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10998.1400	27.51	12.78	40.29	54.00	-13.71	AVG	
2	11013.9500	39.33	12.79	52.12	74.00	-21.88	Peak	

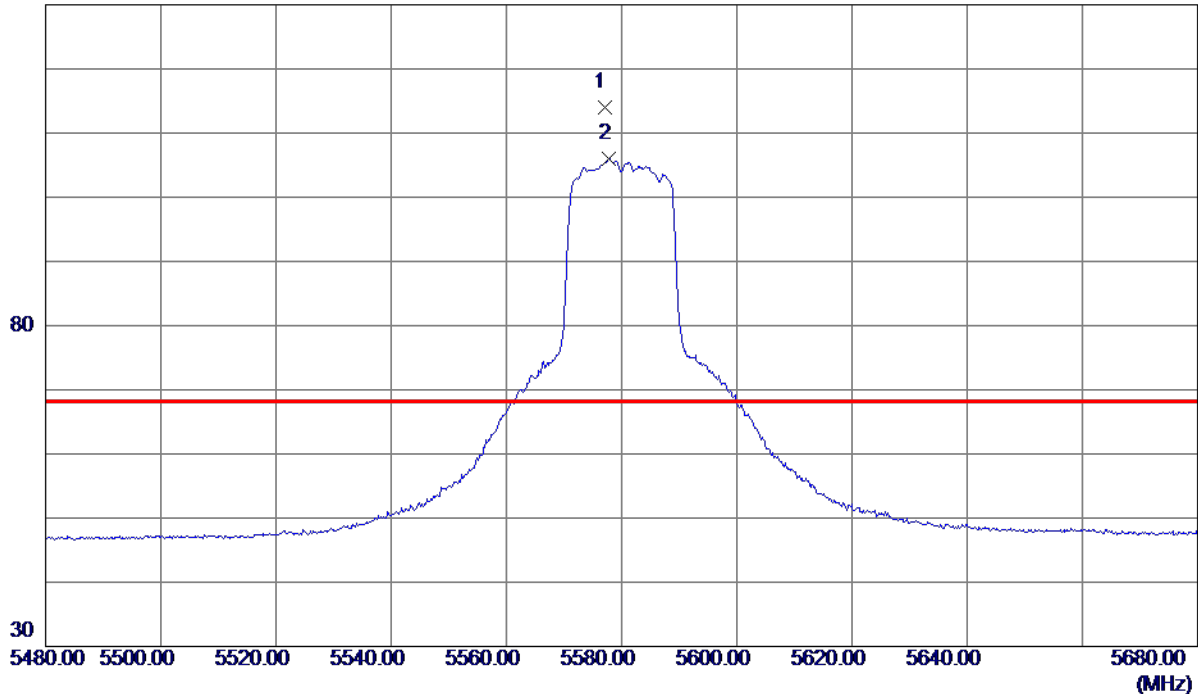
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5580 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 *	5577.0000	97.87	16.22	114.09	68.30	45.79	Peak	No Limit
2	5577.8000	89.86	16.22	106.08	999.00	-892.92	AVG	No Limit

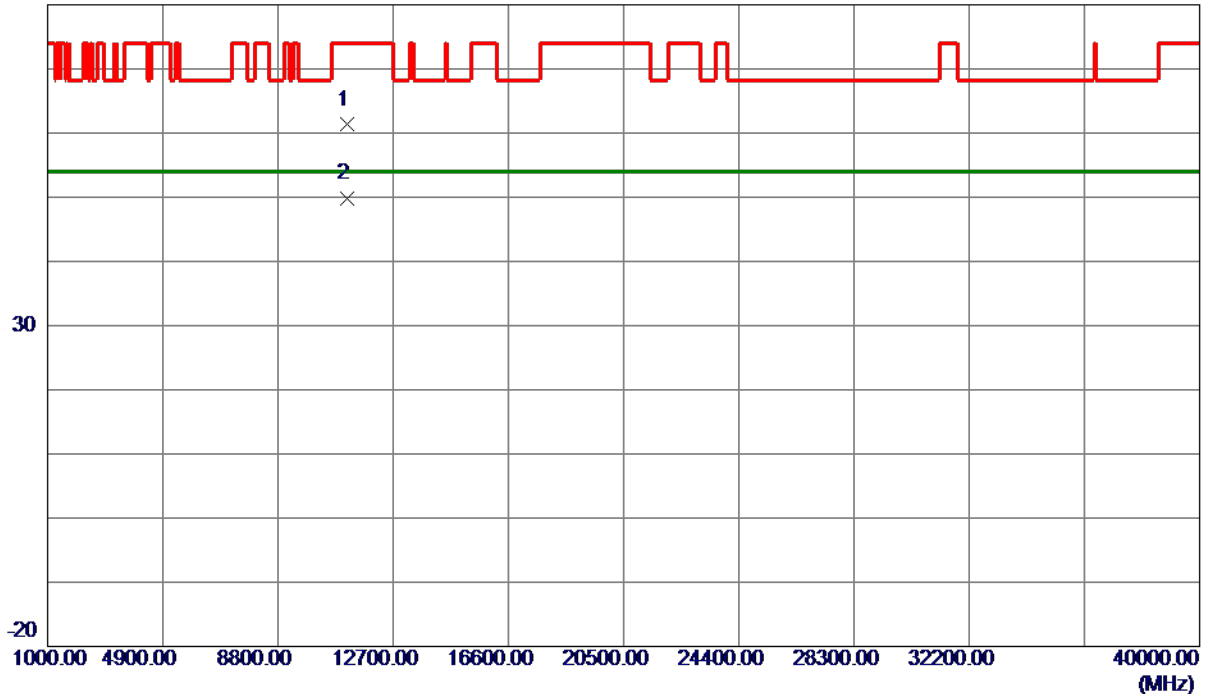
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5580 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	11156.7000	48.40	12.90	61.30	74.00	-12.70	Peak	
2 *	11157.9300	36.88	12.90	49.78	54.00	-4.22	AVG	

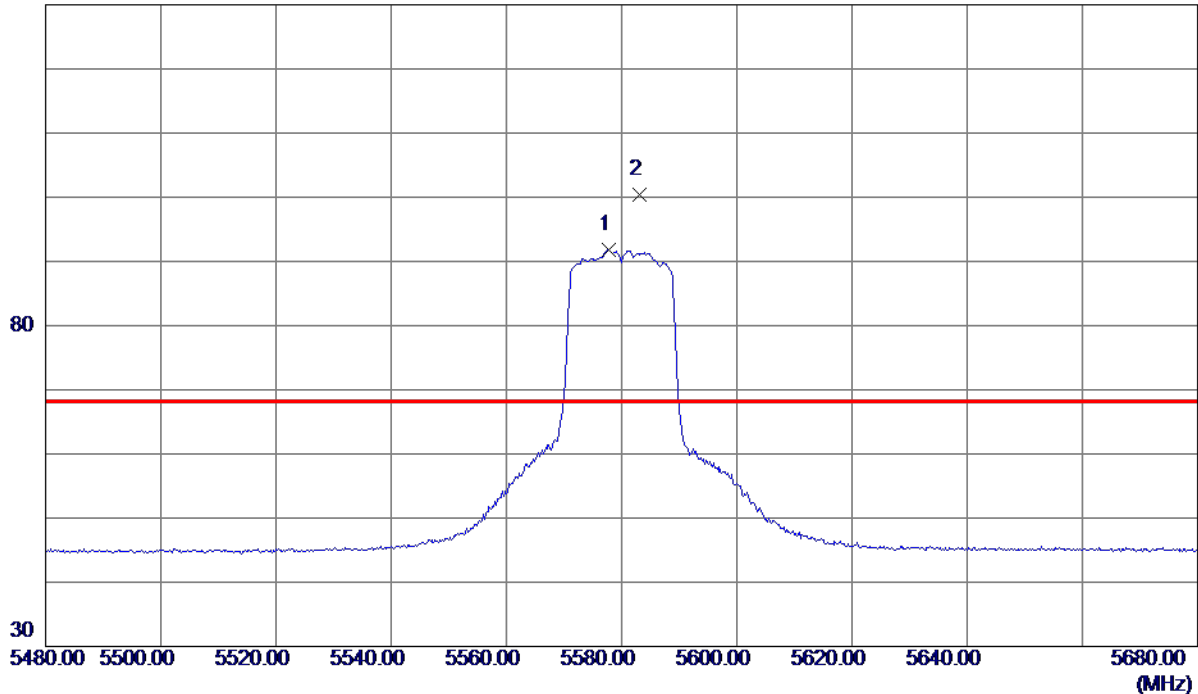
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5580 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5577.8000	75.66	16.22	91.88	999.00	-907.12	AVG	No Limit
2 *	5583.2000	84.10	16.23	100.33	68.30	32.03	Peak	No Limit

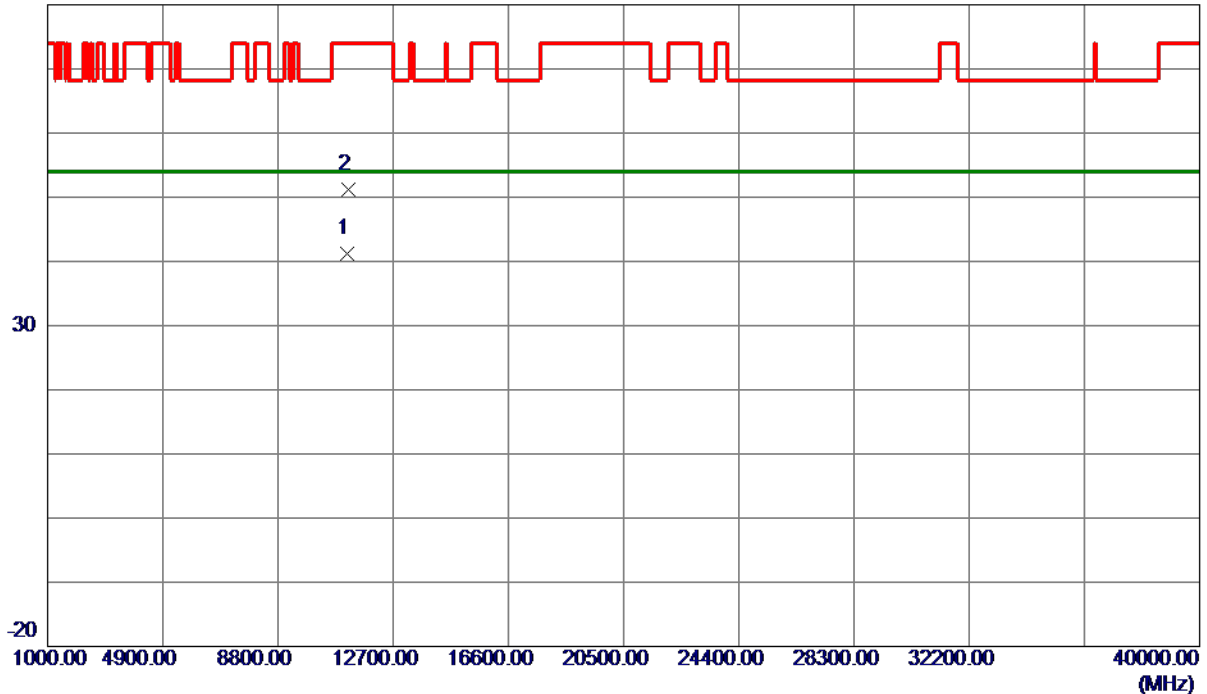
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5580 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11158.8000	28.30	12.90	41.20	54.00	-12.80	AVG	
2	11162.4900	38.27	12.90	51.17	74.00	-22.83	Peak	

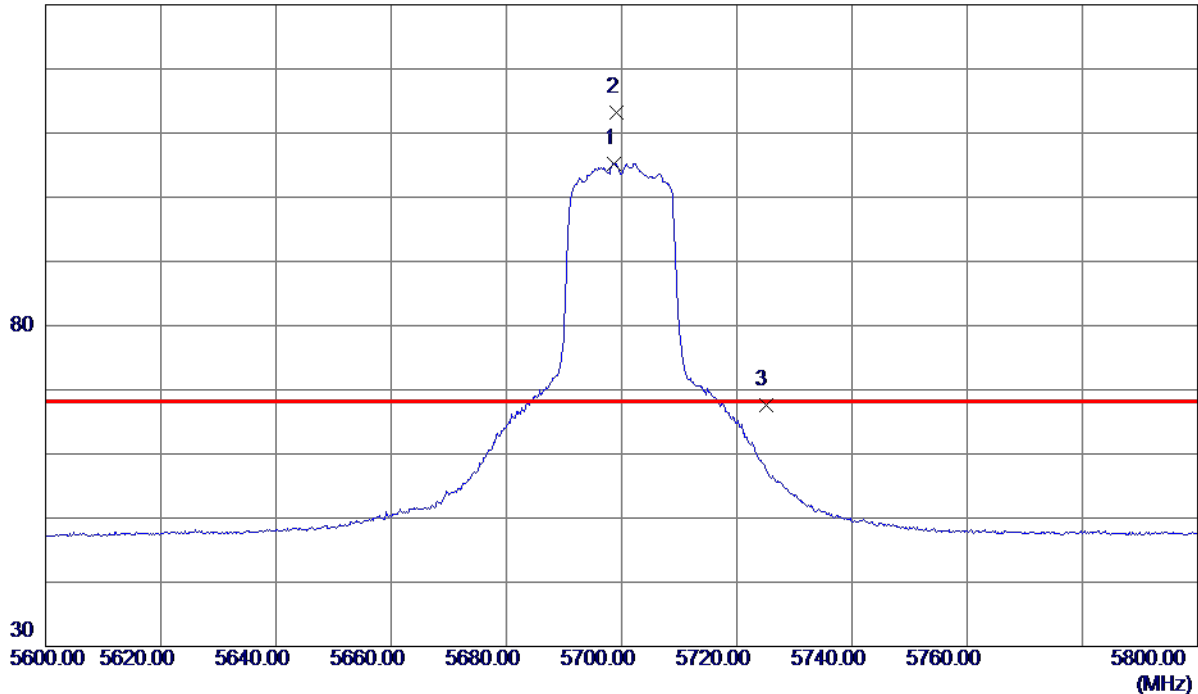
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 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	5698.6000	88.79	16.46	105.25	999.00	-893.75	AVG	No Limit
2 *	5699.2000	96.79	16.46	113.25	68.30	44.95	Peak	No Limit
3	5725.0000	51.00	16.51	67.51	68.30	-0.79	Peak	

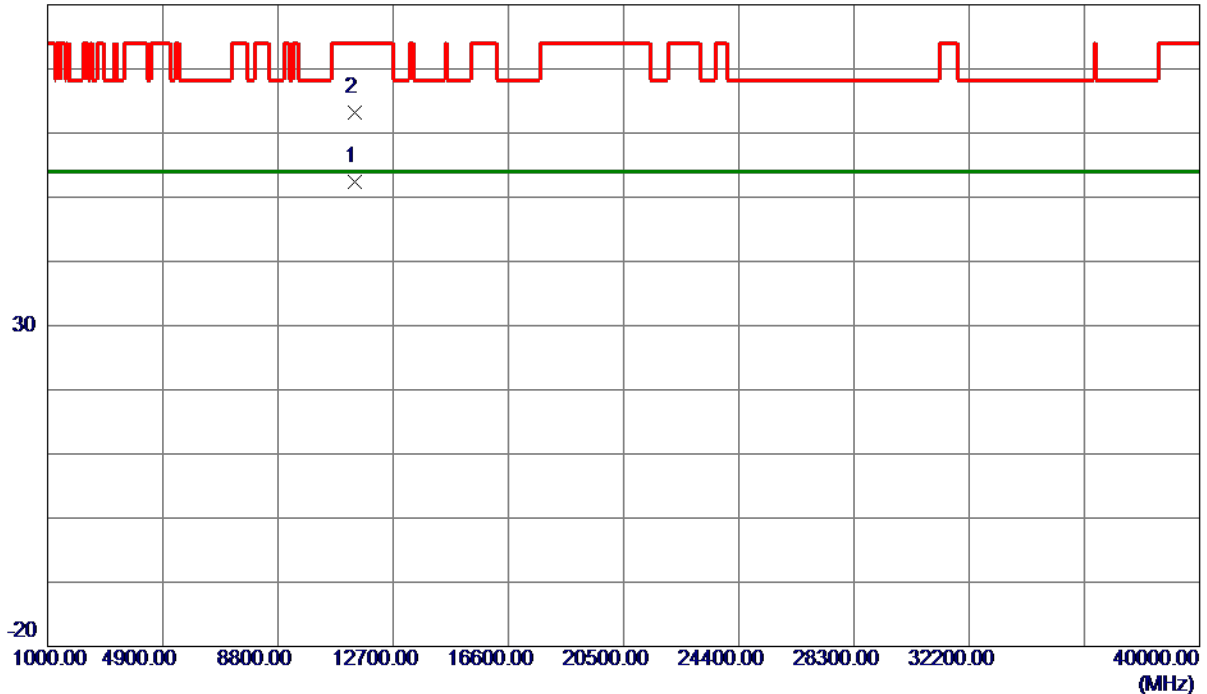
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 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 *	11397.7200	39.39	13.08	52.47	54.00	-1.53	AVG	
2	11400.8099	50.04	13.08	63.12	74.00	-10.88	Peak	

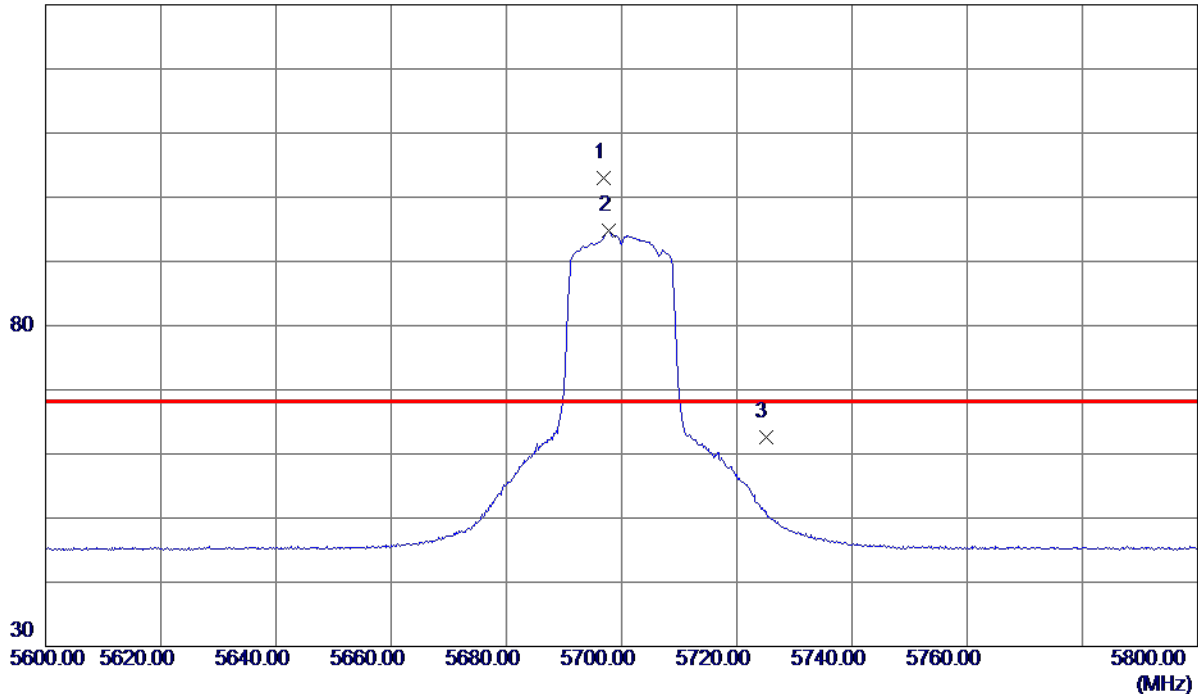
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5696.8000	86.62	16.46	103.08	68.30	34.78	Peak	No Limit
2	5697.8000	78.33	16.46	94.79	999.00	-904.21	AVG	No Limit
3	5725.0000	46.02	16.51	62.53	68.30	-5.77	Peak	

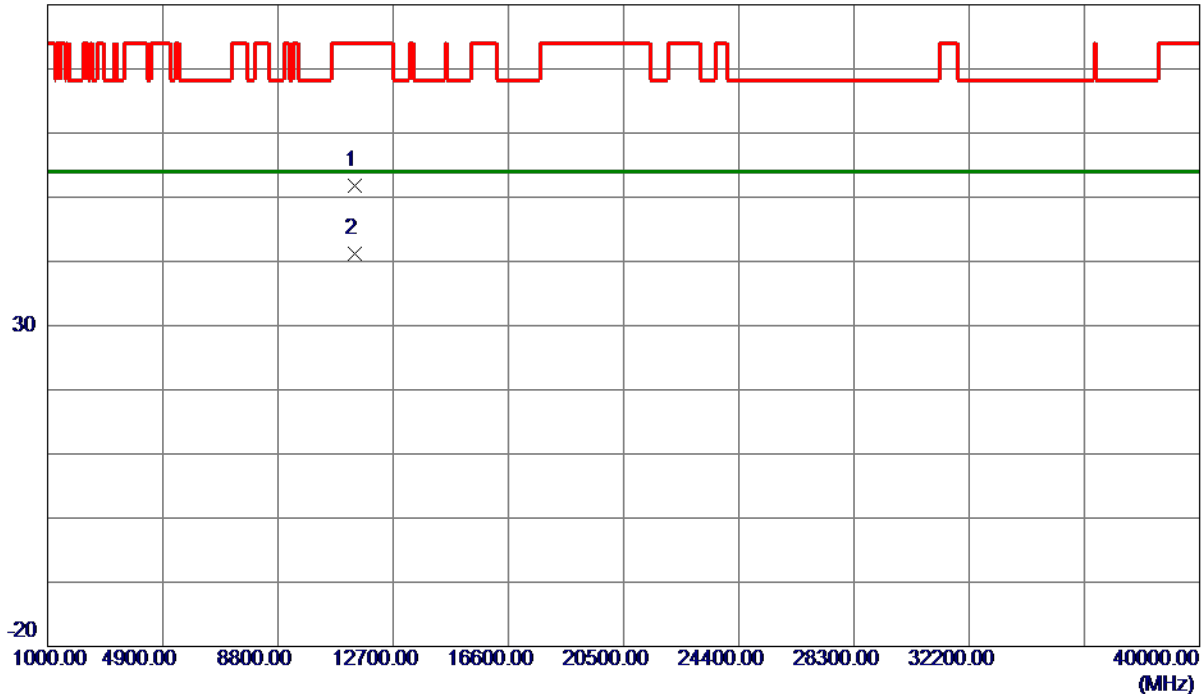
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11399.3700	38.66	13.08	51.74	74.00	-22.26	Peak	
2 *	11401.0800	28.05	13.08	41.13	54.00	-12.87	AVG	

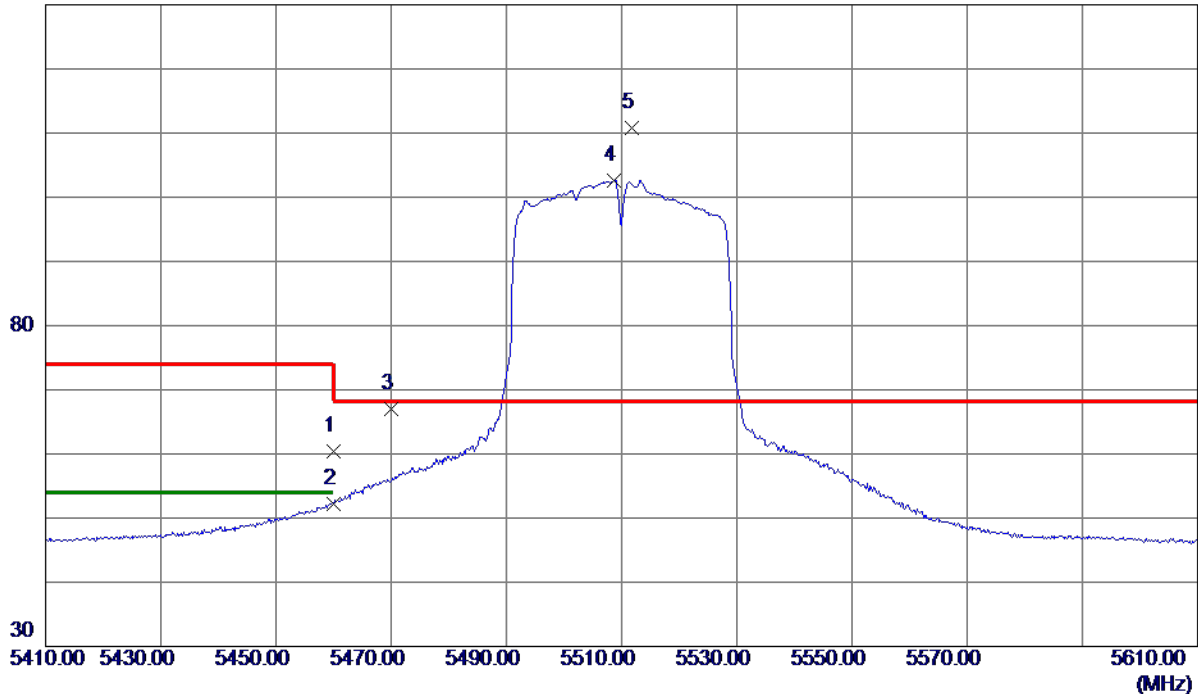
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5510 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	5460.0000	44.38	15.97	60.35	74.00	-13.65	Peak	
2	5460.0000	36.31	15.97	52.28	54.00	-1.72	AVG	
3	5470.0000	51.06	16.00	67.06	68.30	-1.24	Peak	
4	5508.6000	86.55	16.08	102.63	999.00	-896.37	AVG	No Limit
5 *	5511.8000	94.73	16.09	110.82	68.30	42.52	Peak	No Limit

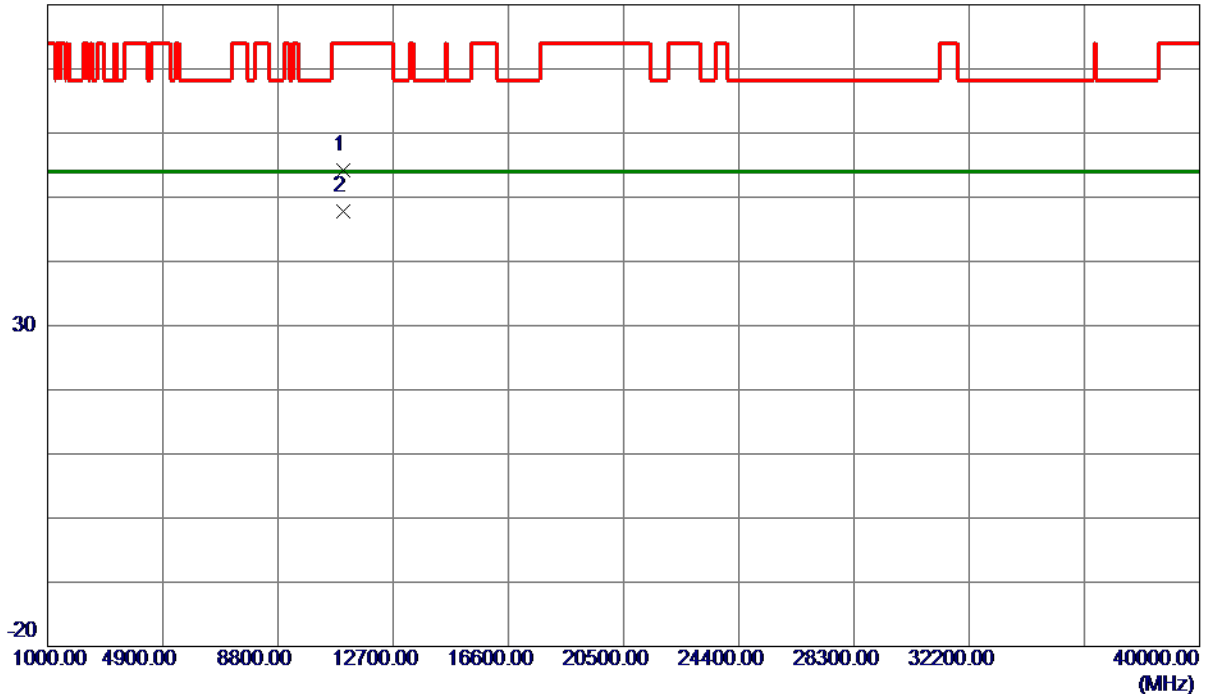
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5510 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	11018.6400	41.43	12.79	54.22	74.00	-19.78	Peak	
2 *	11021.1200	35.00	12.80	47.80	54.00	-6.20	AVG	

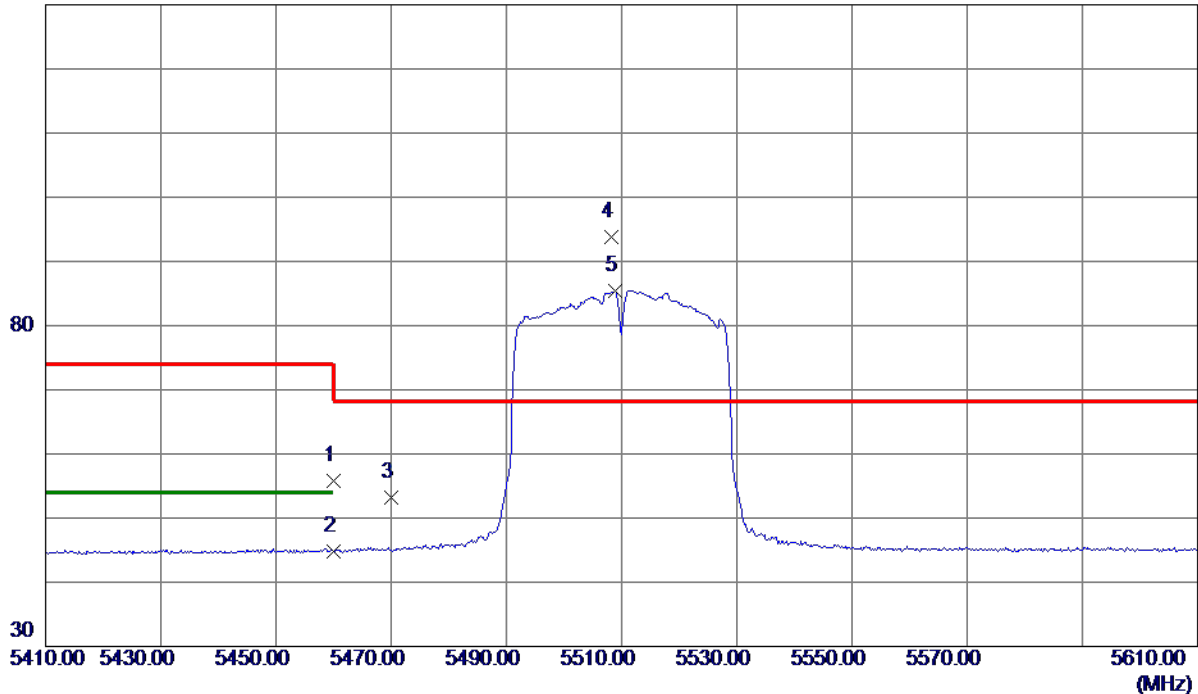
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5510 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	39.89	15.97	55.86	74.00	-18.14	Peak	
2	5460.0000	28.86	15.97	44.83	54.00	-9.17	AVG	
3	5470.0000	37.18	16.00	53.18	68.30	-15.12	Peak	
4 *	5508.2000	77.67	16.08	93.75	68.30	25.45	Peak	No Limit
5	5508.8000	69.38	16.08	85.46	999.00	-913.54	AVG	No Limit

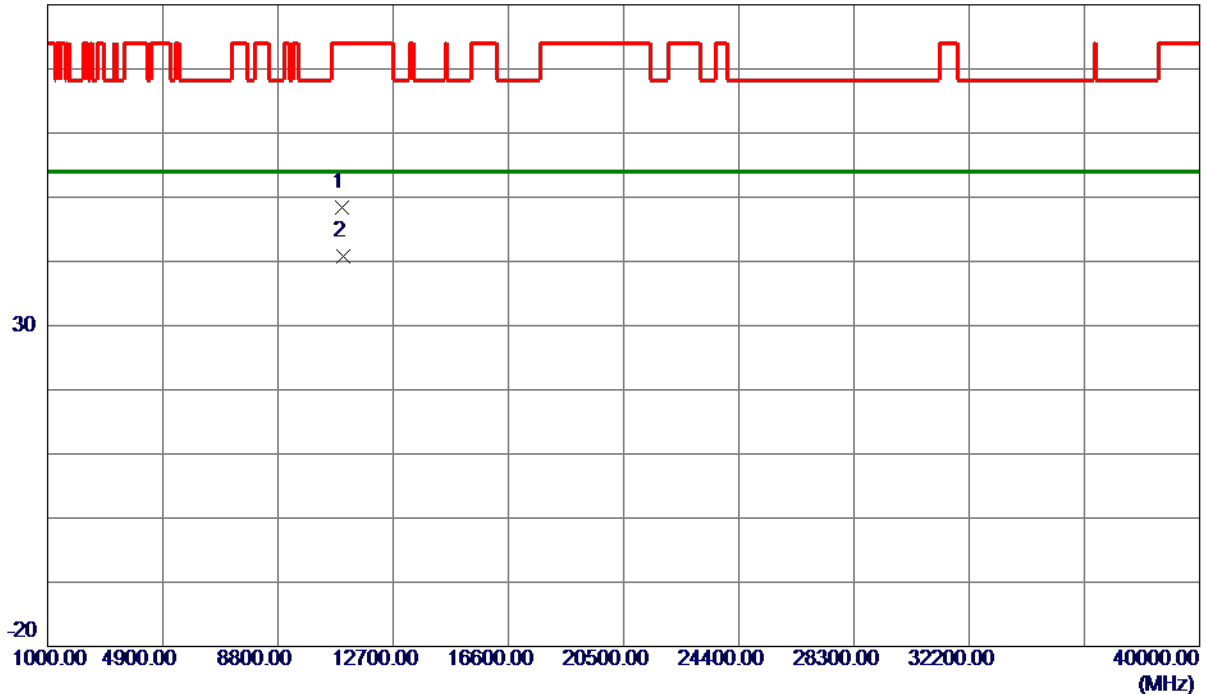
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5510 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10985.2800	35.72	12.77	48.49	74.00	-25.51	Peak	
2 *	11027.0400	27.92	12.80	40.72	54.00	-13.28	AVG	

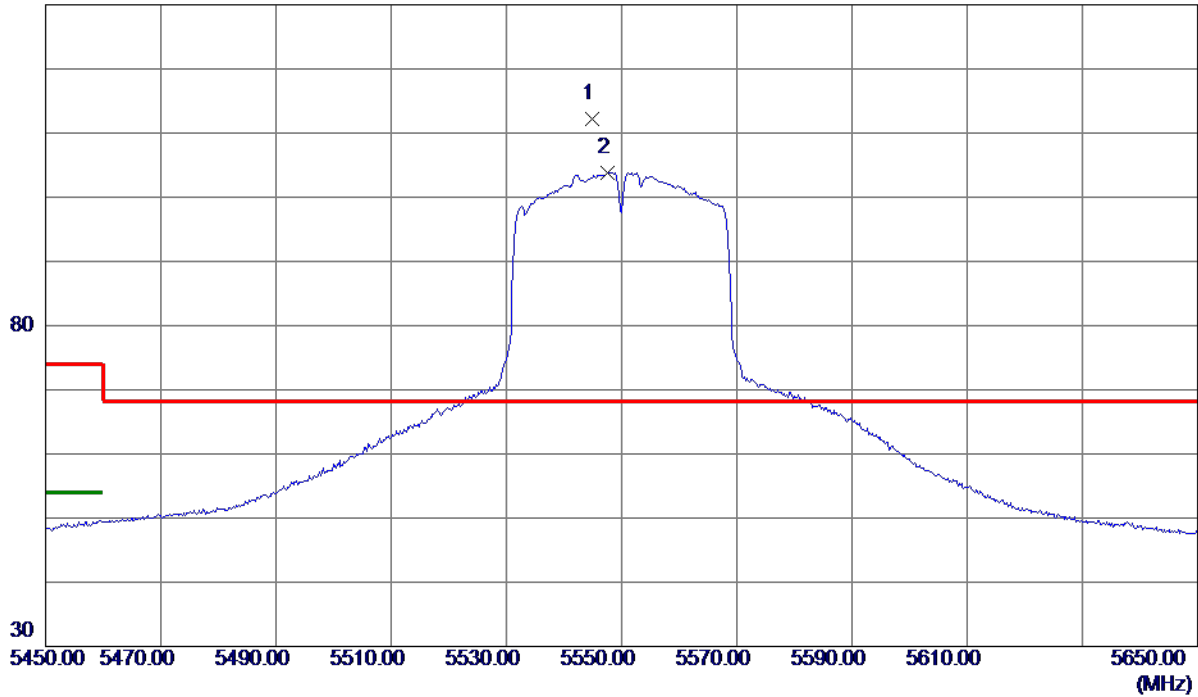
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5550 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 *	5544.8000	96.06	16.15	112.21	68.30	43.91	Peak	No Limit
2	5547.6000	87.73	16.16	103.89	999.00	-895.11	AVG	No Limit

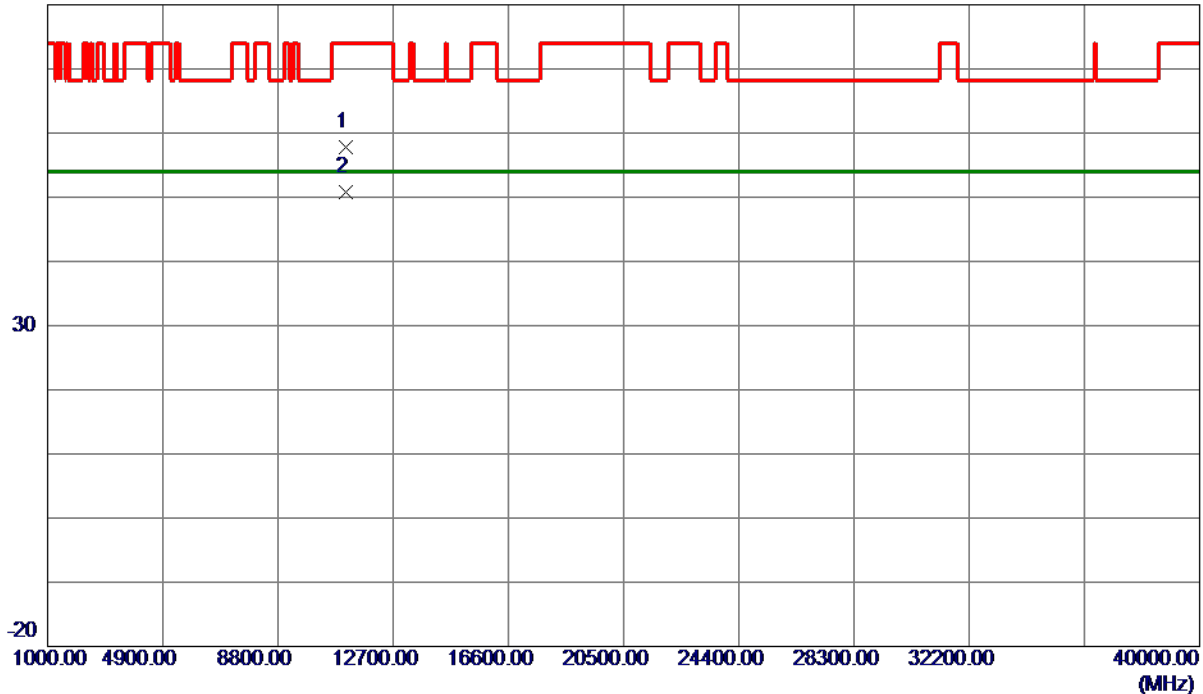
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5550 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	11096.4800	44.93	12.85	57.78	74.00	-16.22	Peak	
2 *	11098.5599	38.00	12.85	50.85	54.00	-3.15	AVG	

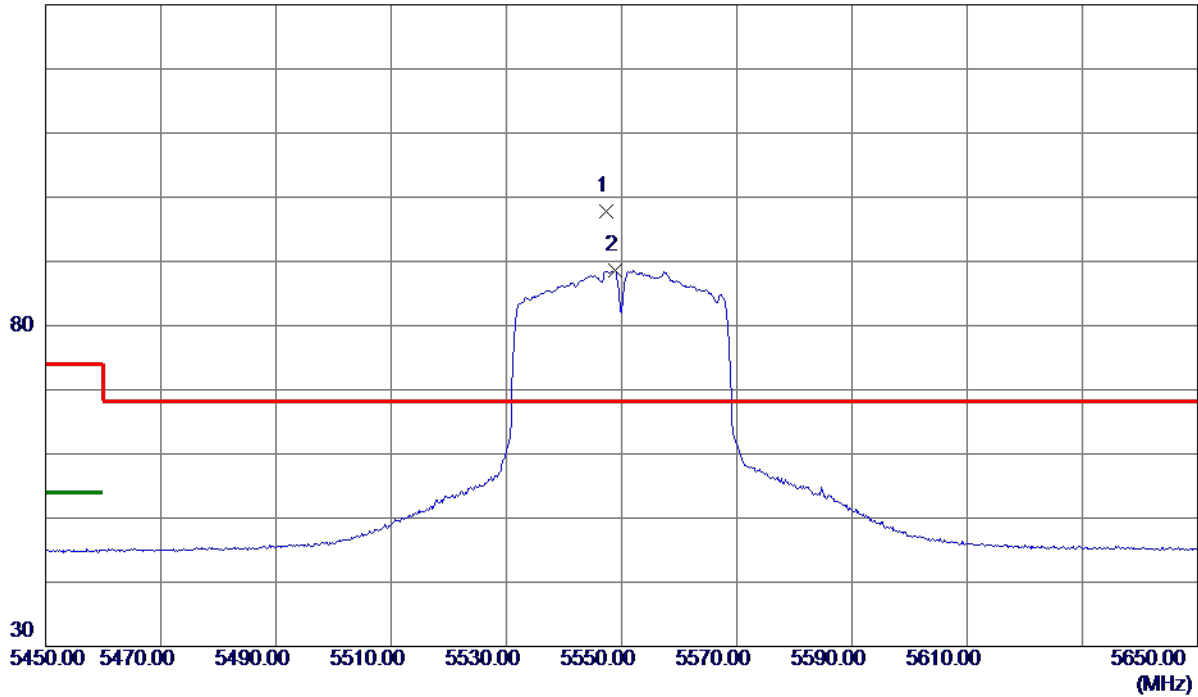
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5550 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5547.4000	81.55	16.16	97.71	68.30	29.41	Peak	No Limit
2	5548.8000	72.37	16.16	88.53	999.00	-910.47	AVG	No Limit

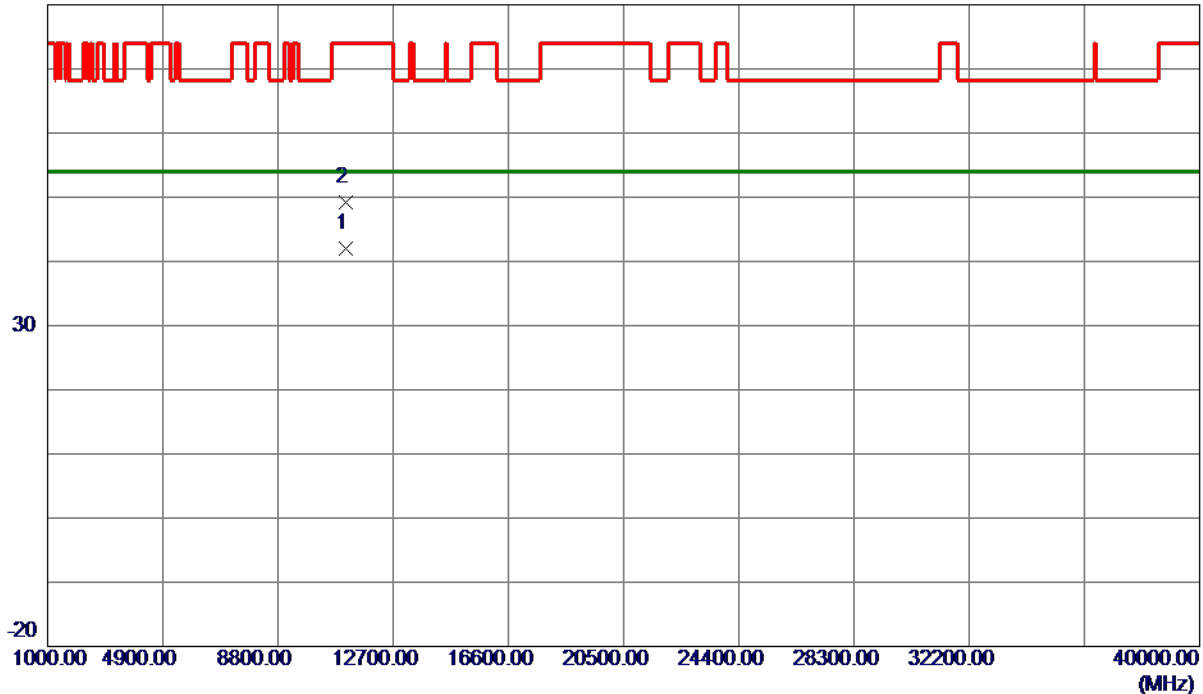
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5550 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11096.7200	29.17	12.85	42.02	54.00	-11.98	AVG	
2	11100.9600	36.39	12.86	49.25	74.00	-24.75	Peak	

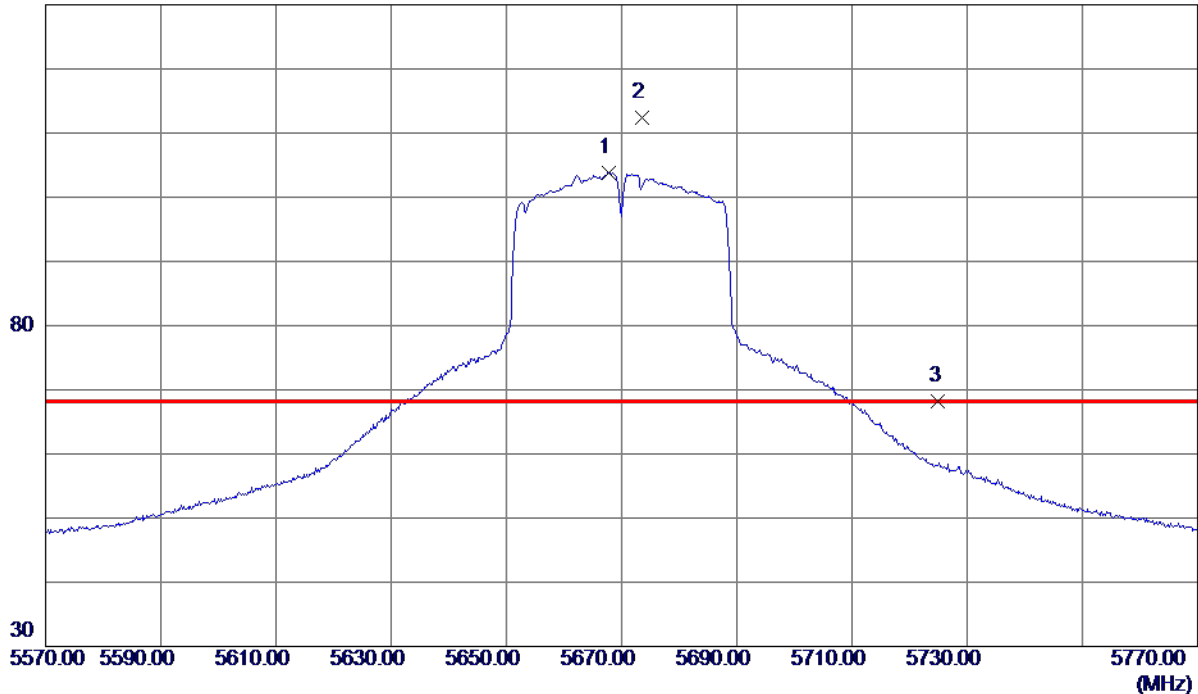
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 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	5667.8000	87.42	16.40	103.82	999.00	-895.18	AVG	No Limit
2 *	5673.6000	95.99	16.41	112.40	68.30	44.10	Peak	No Limit
3	5725.0000	51.76	16.51	68.27	68.30	-0.03	Peak	

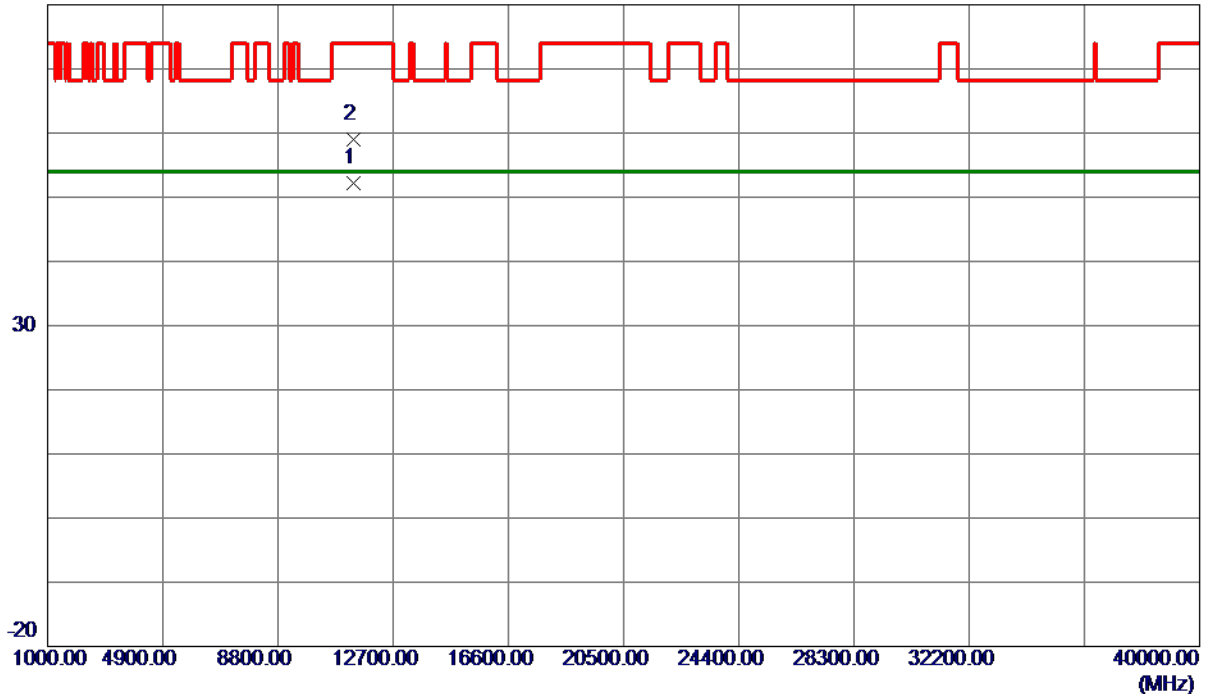
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 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 *	11338.8000	39.24	13.03	52.27	54.00	-1.73	AVG	
2	11341.0400	45.94	13.04	58.98	74.00	-15.02	Peak	

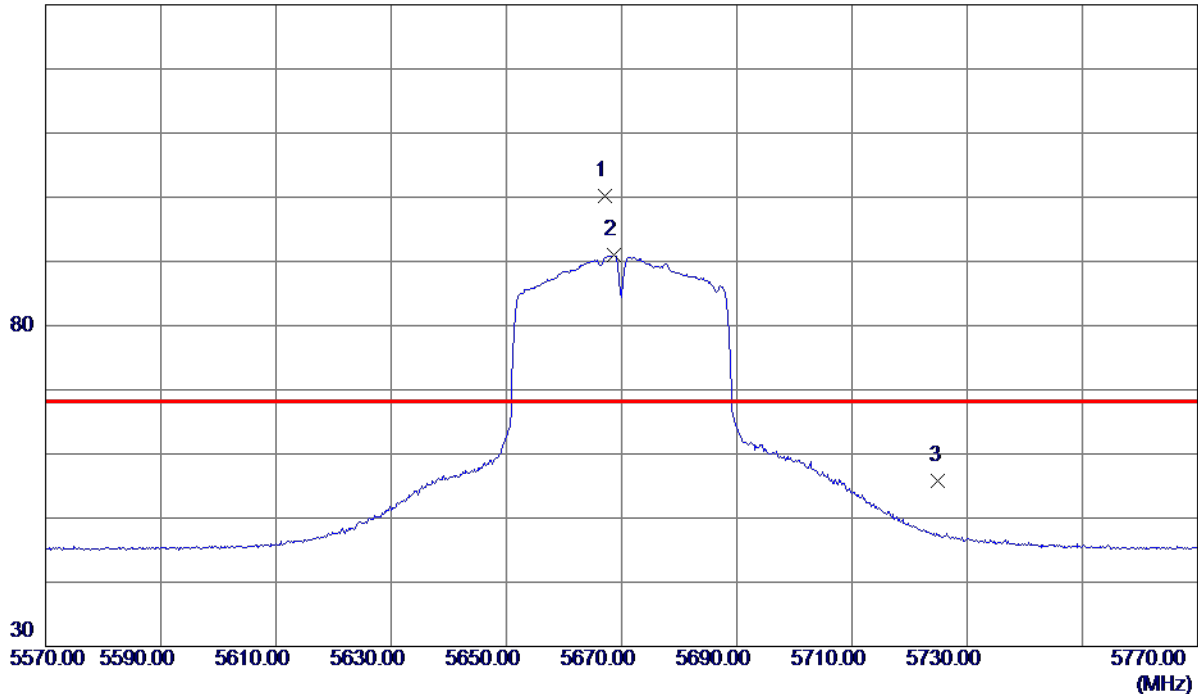
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5667.2000	83.73	16.40	100.13	68.30	31.83	Peak	No Limit
2	5668.6000	74.53	16.40	90.93	999.00	-908.07	AVG	No Limit
3	5725.0000	39.38	16.51	55.89	68.30	-12.41	Peak	

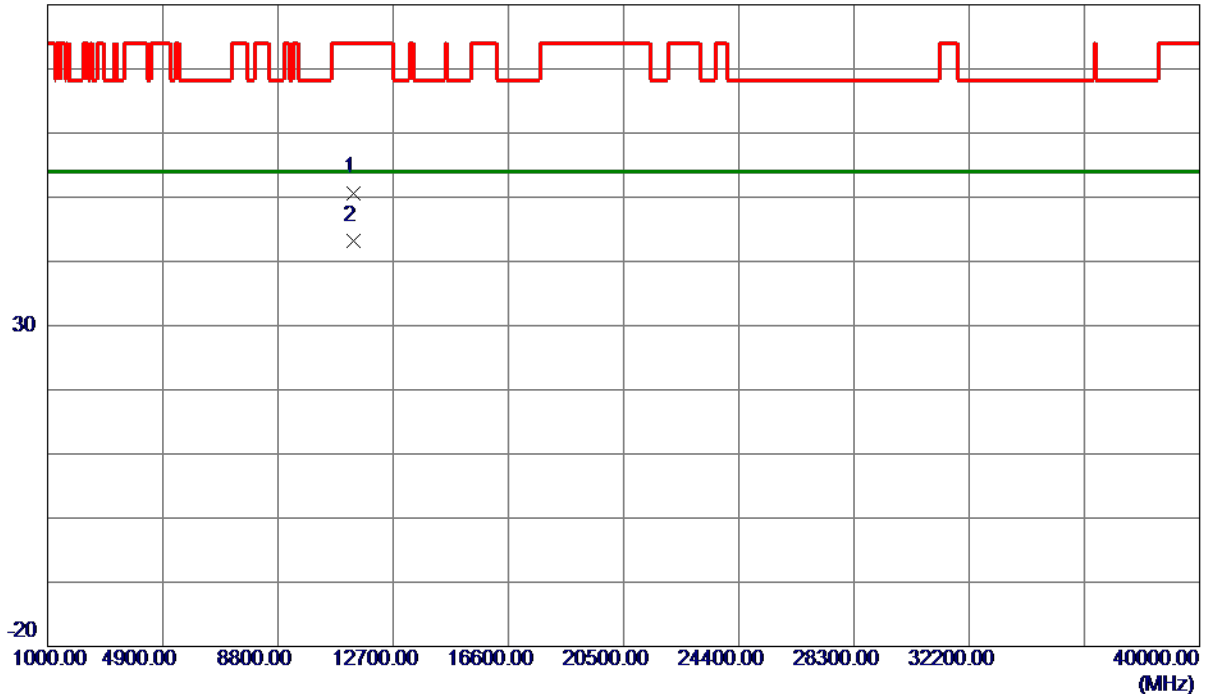
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11341.1200	37.66	13.04	50.70	74.00	-23.30	Peak	
2 *	11341.1200	30.20	13.04	43.24	54.00	-10.76	AVG	

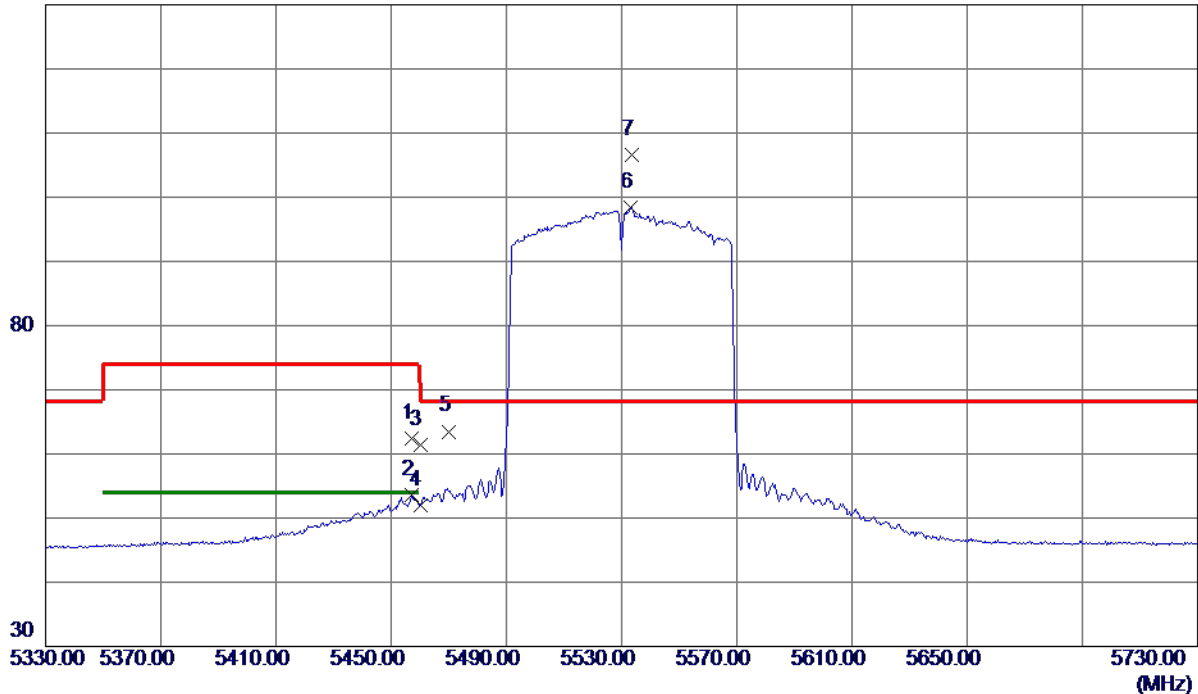
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT80) Mode 5530 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	5457.2000	46.41	15.97	62.38	74.00	-11.62	Peak	
2	5457.2000	37.54	15.97	53.51	54.00	-0.49	AVG	
3	5460.0000	45.37	15.97	61.34	74.00	-12.66	Peak	
4	5460.0000	36.09	15.97	52.06	54.00	-1.94	AVG	
5	5470.0000	47.50	16.00	63.50	68.30	-4.80	Peak	
6	5533.2000	82.29	16.13	98.42	999.00	-900.58	AVG	No Limit
7 *	5533.6000	90.52	16.13	106.65	68.30	38.35	Peak	No Limit

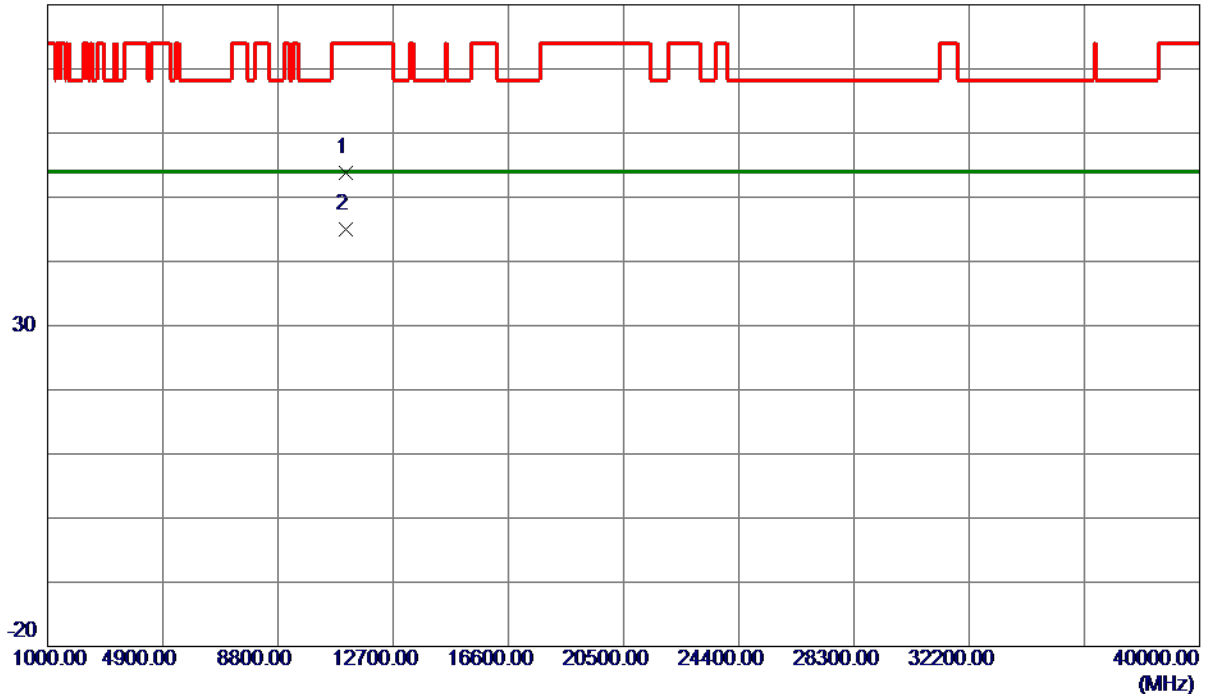
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT80) Mode 5530 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	11076.2400	41.03	12.84	53.87	74.00	-20.13	Peak	
2 *	11081.0400	32.15	12.84	44.99	54.00	-9.01	AVG	

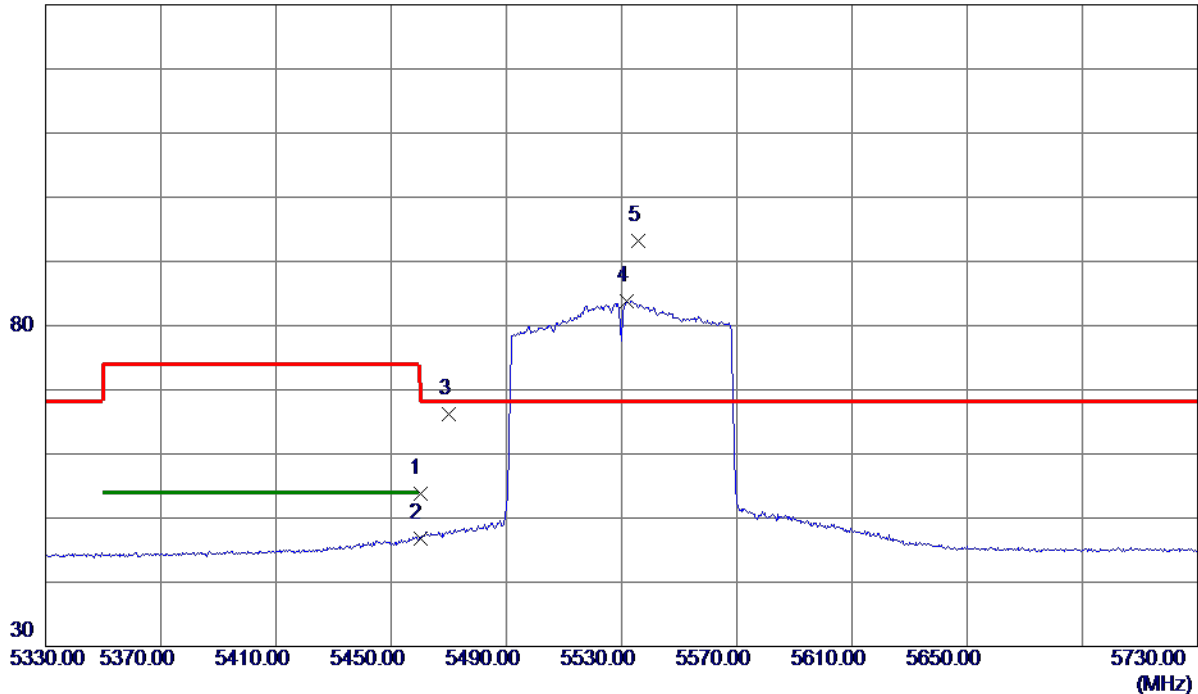
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT80) Mode 5530 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	37.83	15.97	53.80	74.00	-20.20	Peak	
2	5460.0000	30.83	15.97	46.80	54.00	-7.20	AVG	
3	5470.0000	50.26	16.00	66.26	68.30	-2.04	Peak	
4	5531.6000	67.73	16.13	83.86	999.00	-915.14	AVG	No Limit
5 *	5535.6000	77.13	16.14	93.27	68.30	24.97	Peak	No Limit

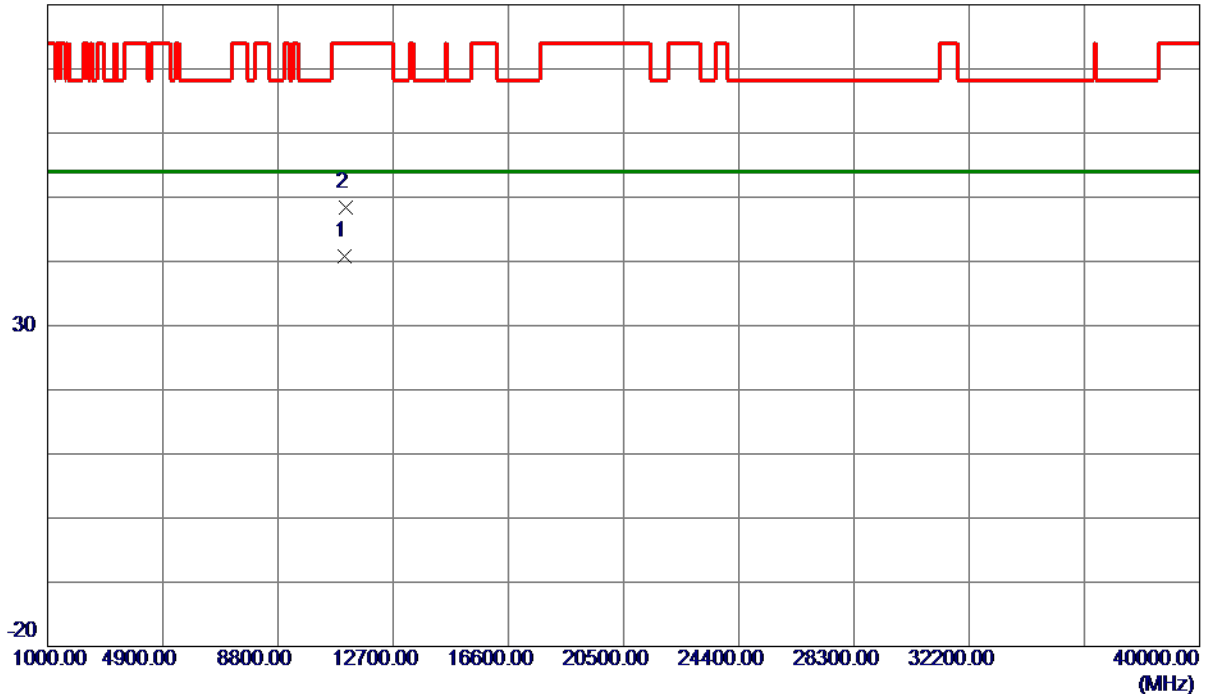
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT80) Mode 5530 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11072.7200	28.03	12.83	40.86	54.00	-13.14	AVG	
2	11085.1200	35.59	12.84	48.43	74.00	-25.57	Peak	

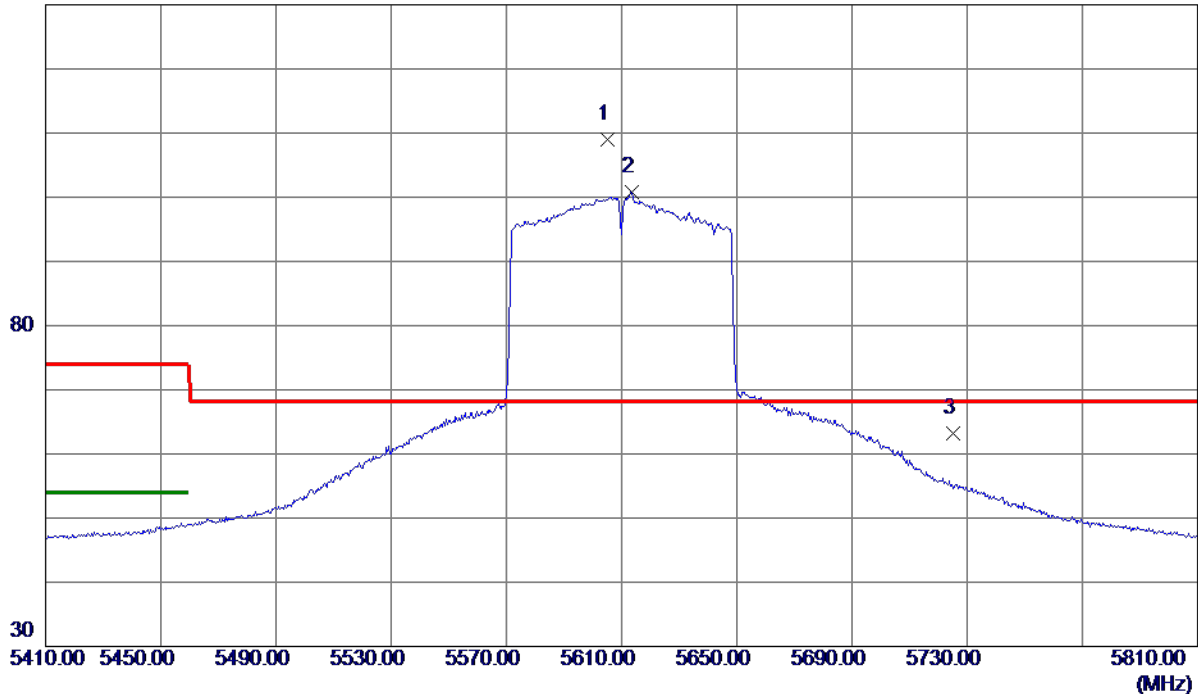
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT80) Mode 5610 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 *	5605.2000	92.75	16.27	109.02	68.30	40.72	Peak	No Limit
2	5613.6000	84.47	16.29	100.76	999.00	-898.24	AVG	No Limit
3	5725.0000	46.61	16.51	63.12	68.30	-5.18	Peak	

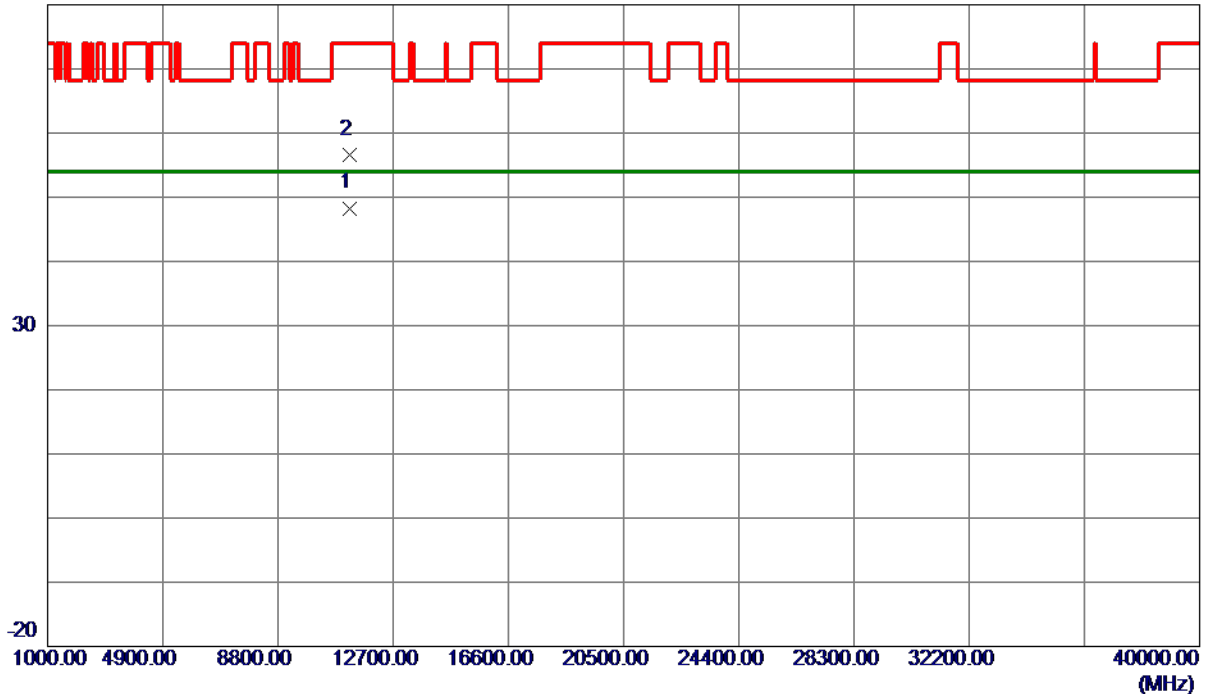
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT80) Mode 5610 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 *	11246.1600	35.34	12.96	48.30	54.00	-5.70	AVG	
2	11247.1200	43.55	12.97	56.52	74.00	-17.48	Peak	

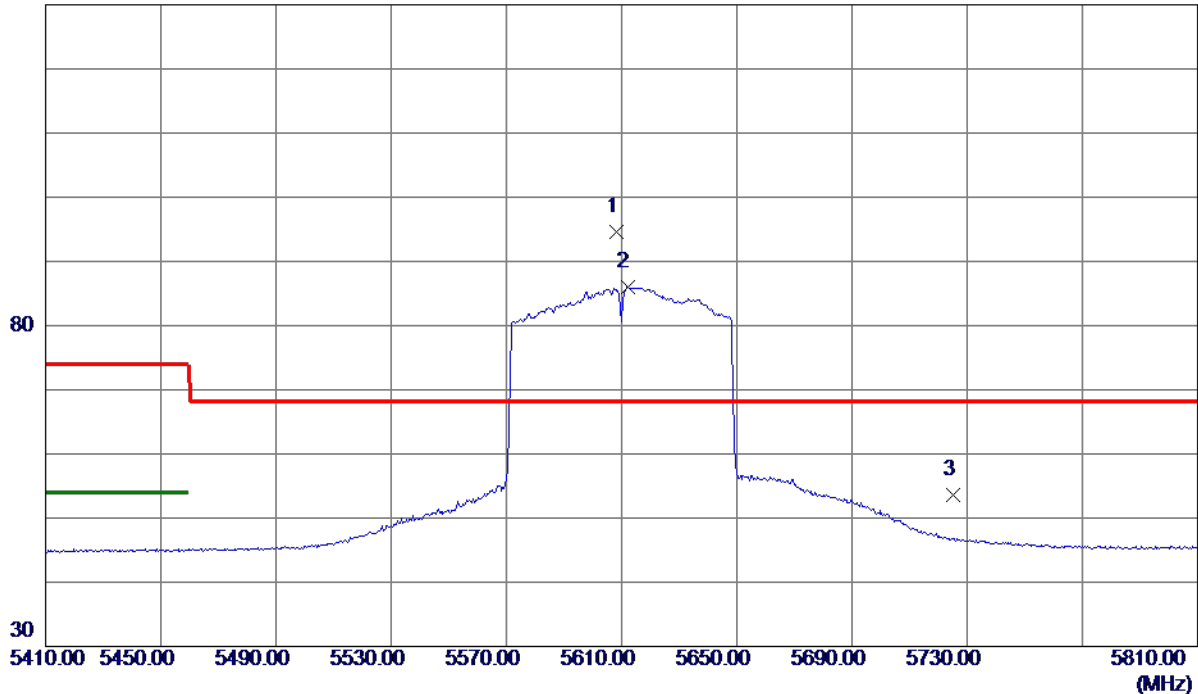
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT80) Mode 5610 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5608.4000	78.26	16.28	94.54	68.30	26.24	Peak	No Limit
2	5612.0000	69.73	16.29	86.02	999.00	-912.98	AVG	No Limit
3	5725.0000	37.16	16.51	53.67	68.30	-14.63	Peak	

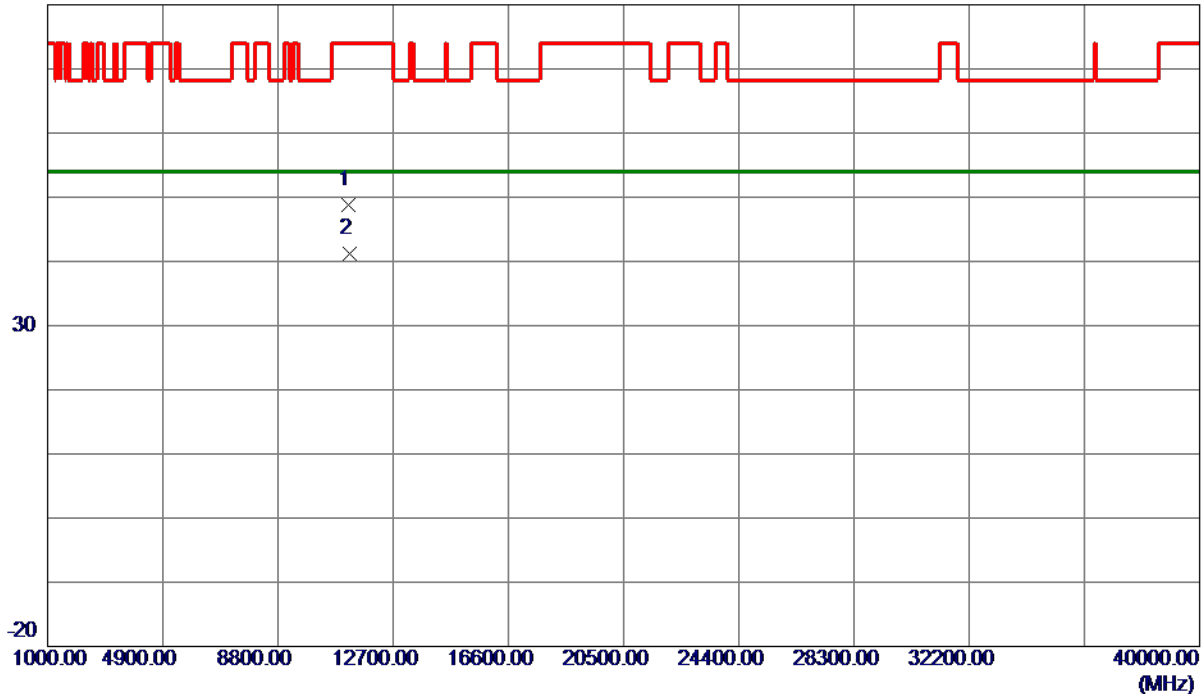
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC(VHT80) Mode 5610 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11199.0400	35.84	12.93	48.77	74.00	-25.23	Peak	
2 *	11232.3200	28.19	12.95	41.14	54.00	-12.86	AVG	

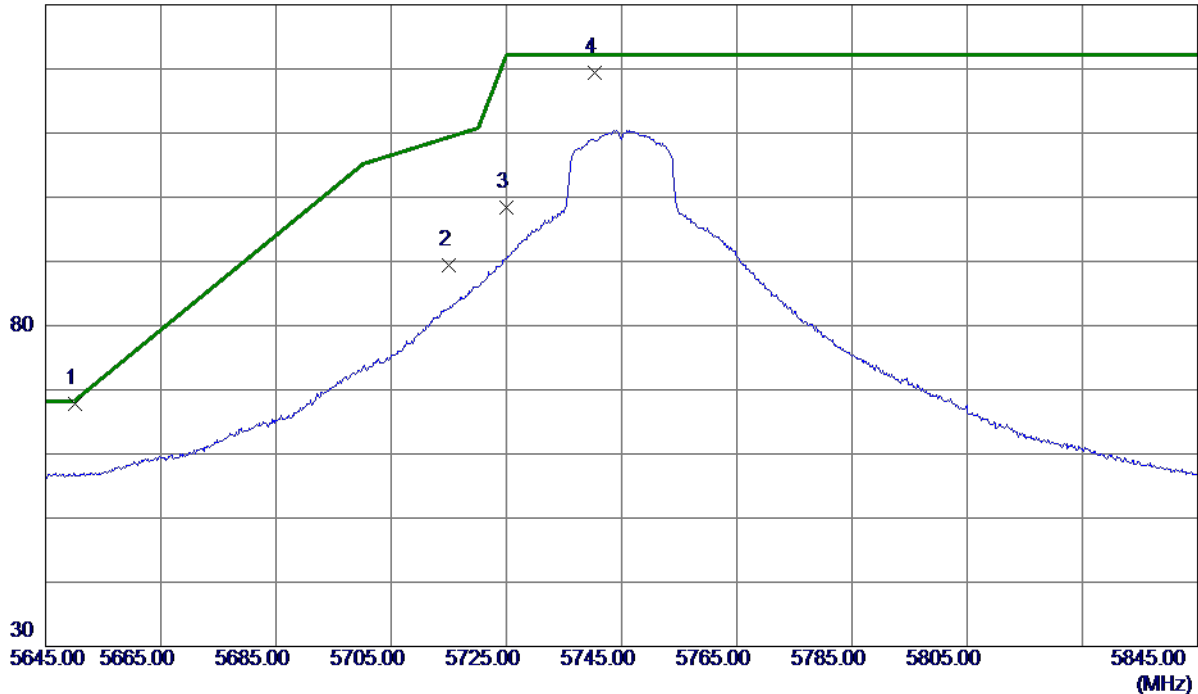
REMARKS:

- (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 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 *	5650.2000	51.39	16.36	67.75	68.35	-0.60	Peak	
2	5715.0000	72.95	16.49	89.44	109.40	-19.96	Peak	
3	5725.0000	81.86	16.51	98.37	122.20	-23.83	Peak	
4	5740.4000	102.83	16.54	119.37	122.20	-2.83	Peak	No Limit

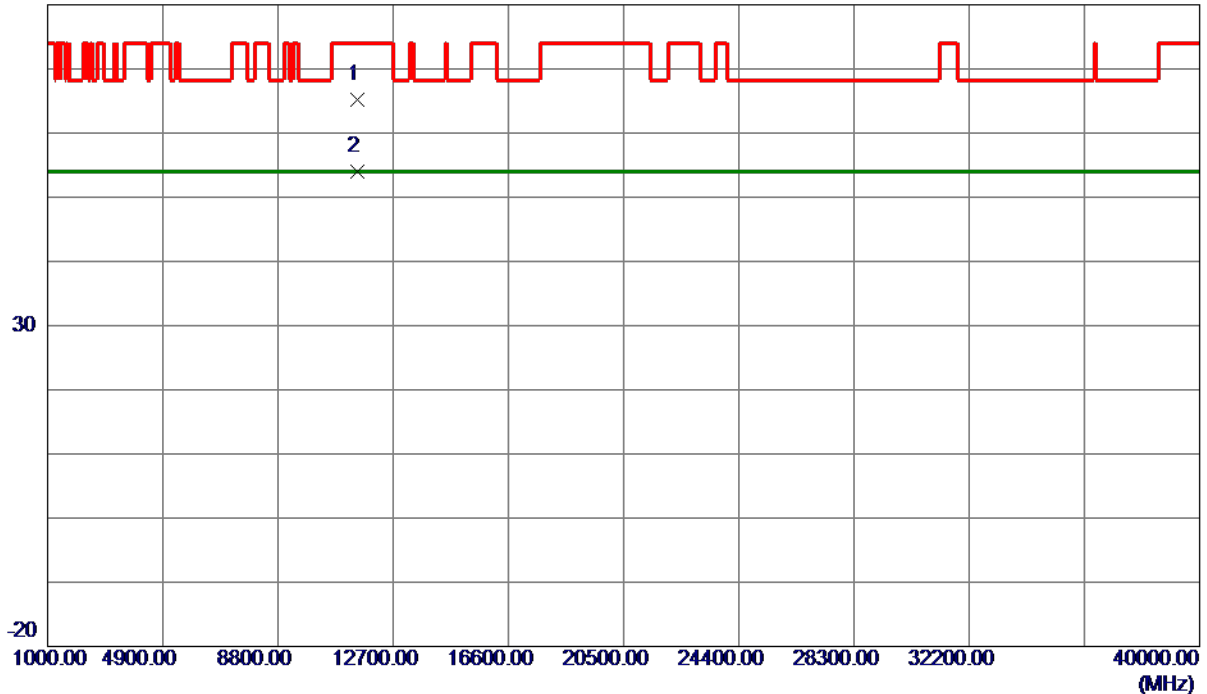
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-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	11488.9200	52.08	13.15	65.23	74.00	-8.77	Peak	
2 *	11489.3400	40.84	13.15	53.99	54.00	-0.01	AVG	

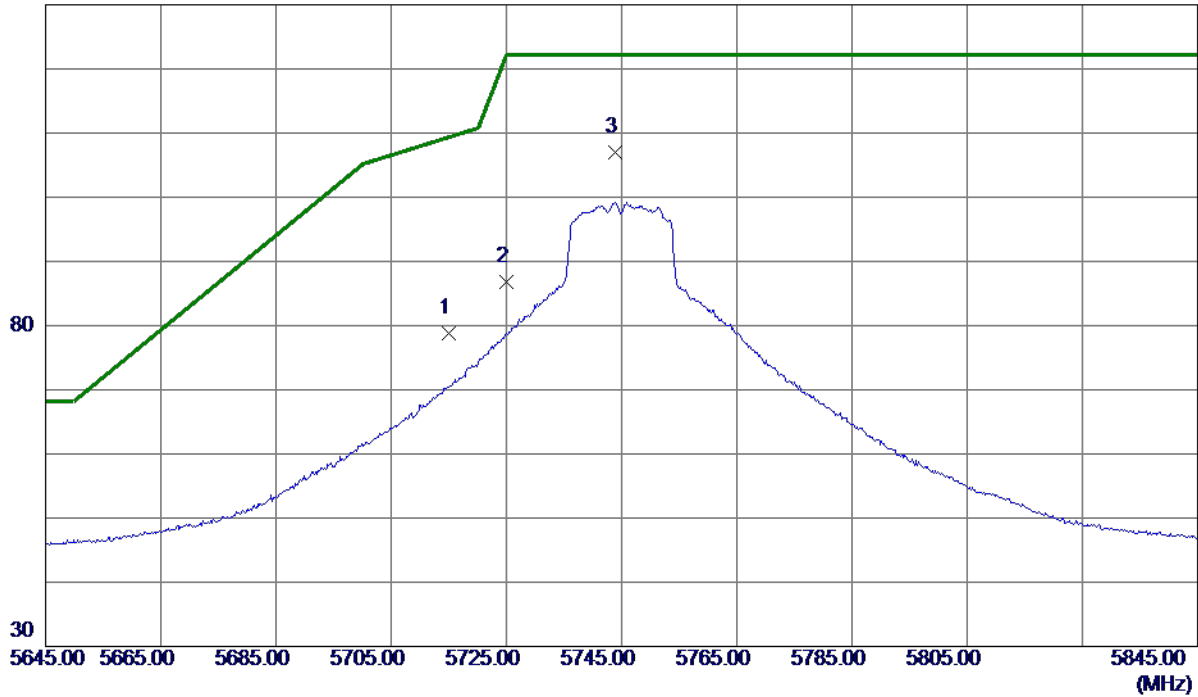
REMARKS:

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

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

Horizontal

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	62.39	16.49	78.88	109.40	-30.52	Peak	
2	5725.0000	70.30	16.51	86.81	122.20	-35.39	Peak	
3 *	5743.8000	90.49	16.55	107.04	122.20	-15.16	Peak	No Limit

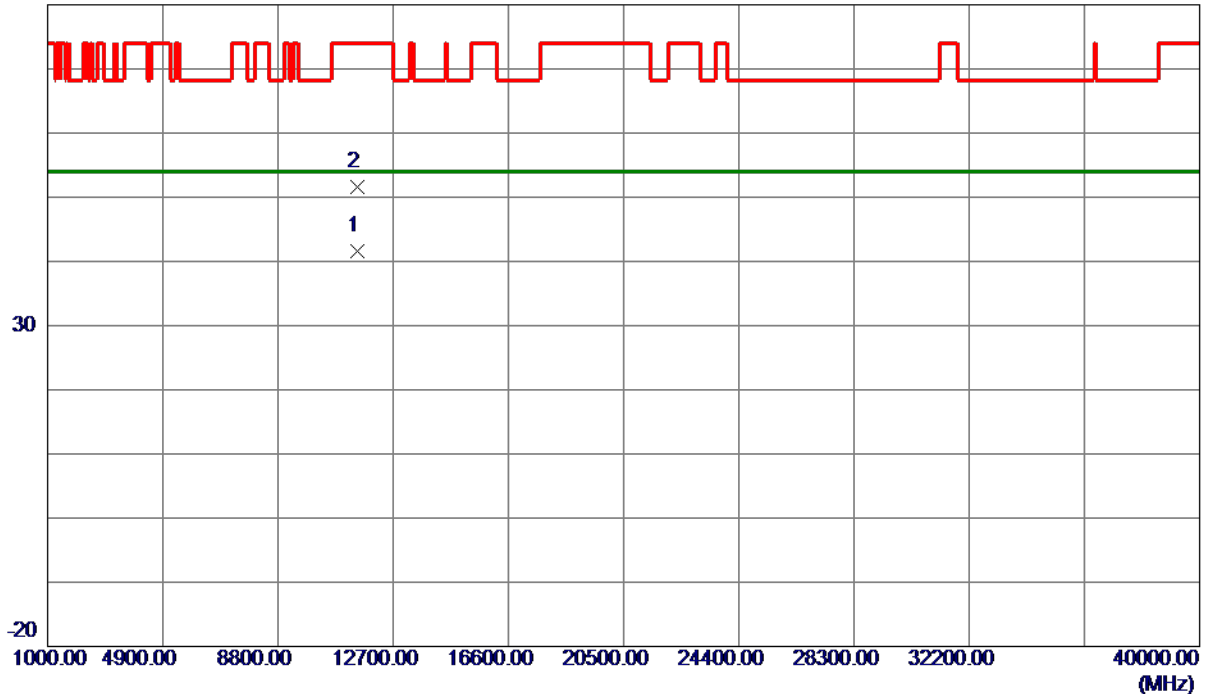
REMARKS:

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11490.3300	28.54	13.15	41.69	54.00	-12.31	AVG	
2	11494.8300	38.44	13.15	51.59	74.00	-22.41	Peak	

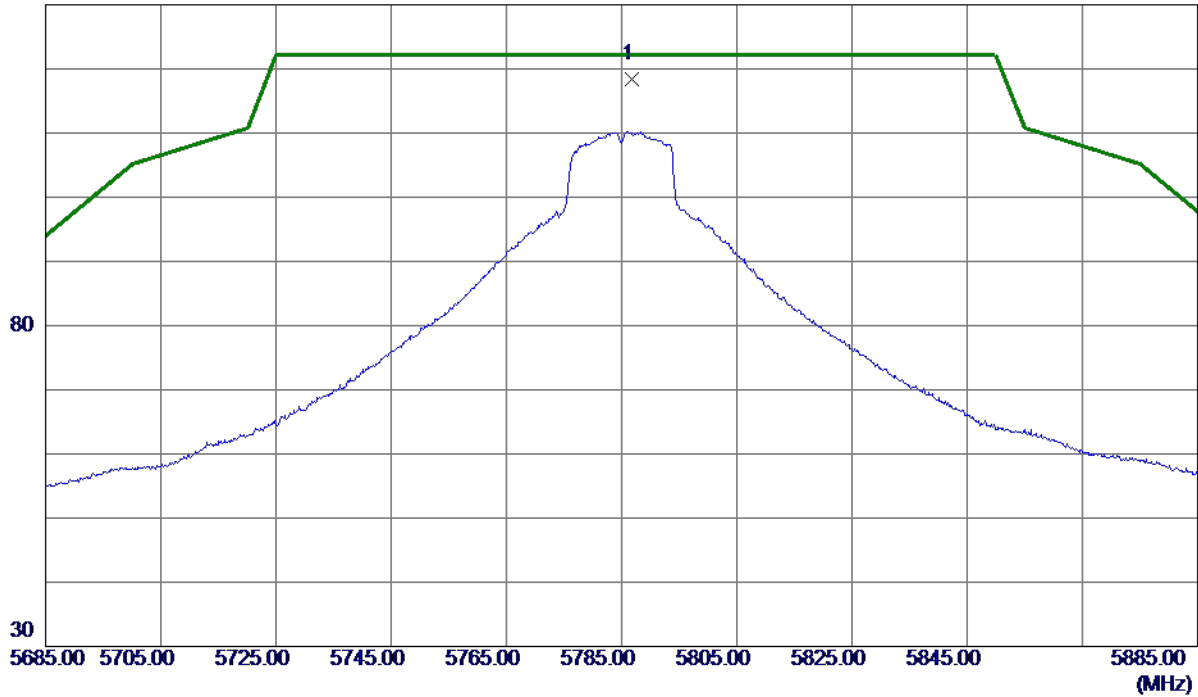
REMARKS:

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

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

Vertical

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 *	5786.7000	101.77	16.64	118.41	122.20	-3.79	Peak	No Limit

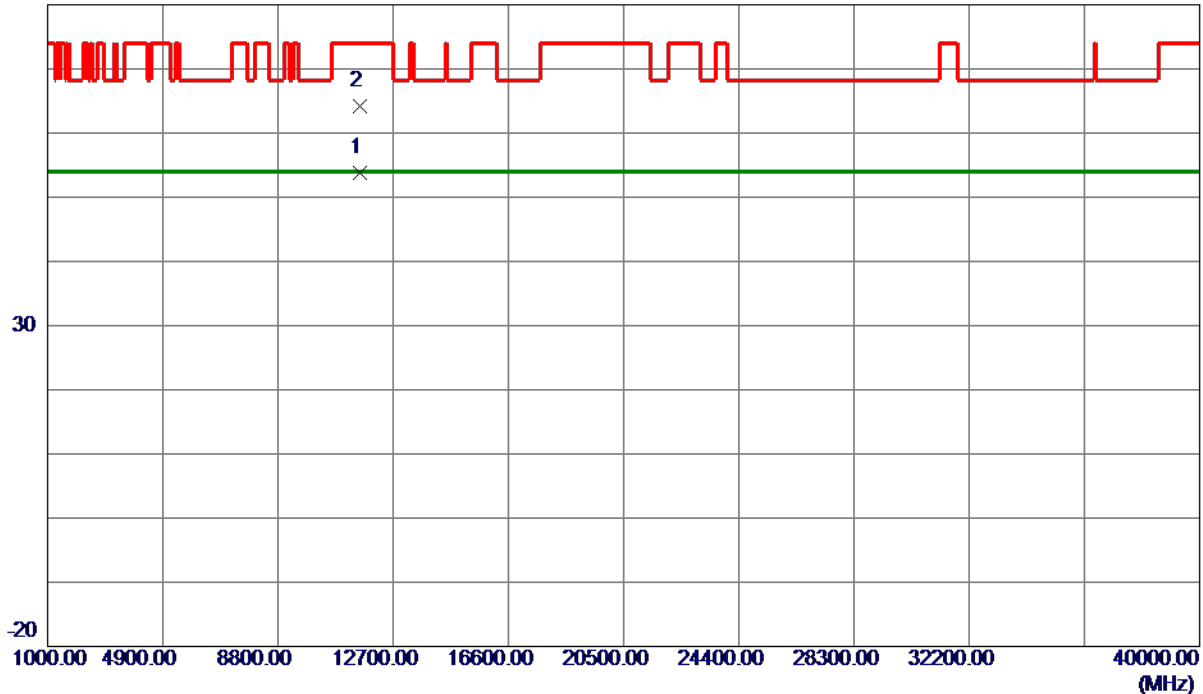
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-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 *	11569.2200	40.58	13.20	53.78	54.00	-0.22	AVG	
2	11570.5100	50.98	13.20	64.18	74.00	-9.82	Peak	

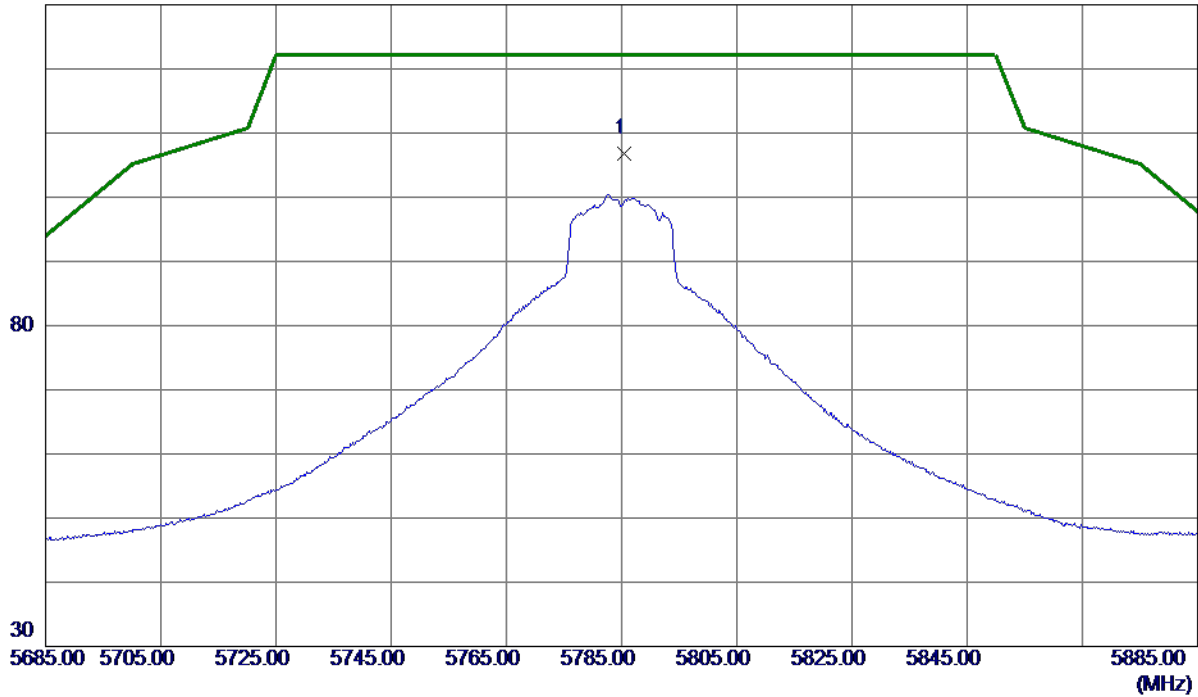
REMARKS:

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

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

Horizontal

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 *	5785.4000	90.20	16.63	106.83	122.20	-15.37	Peak	No Limit

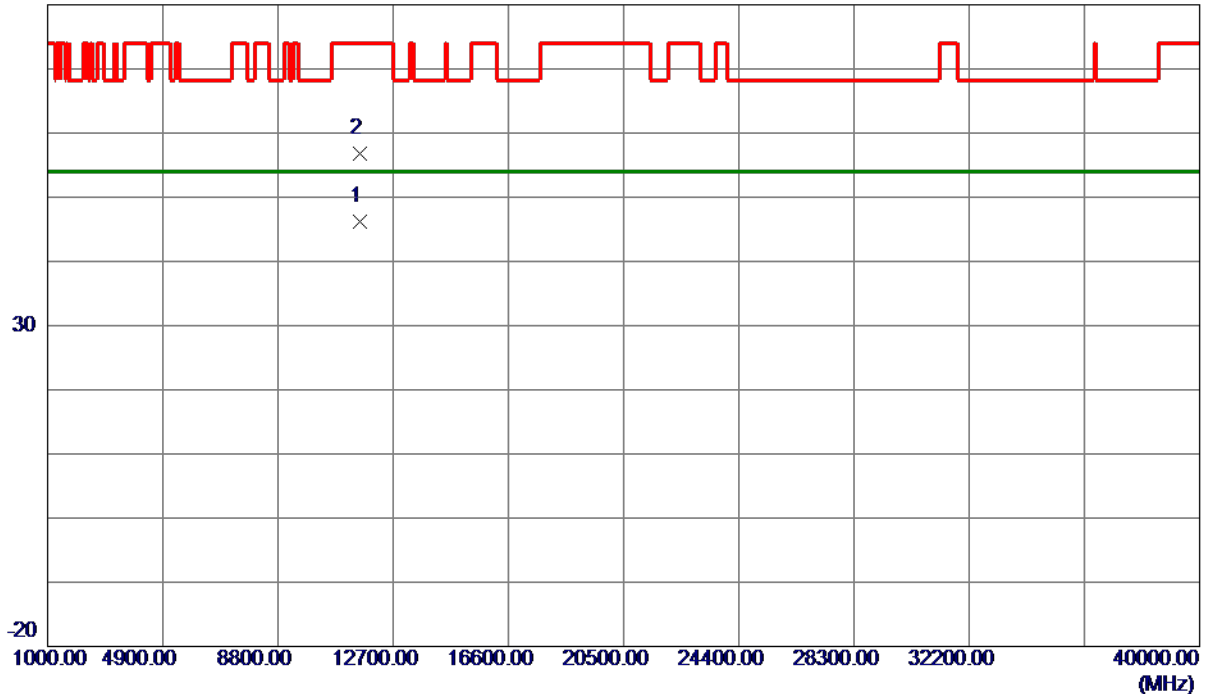
REMARKS:

- (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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11567.2100	32.97	13.20	46.17	54.00	-7.83	AVG	
2	11574.8600	43.56	13.20	56.76	74.00	-17.24	Peak	

REMARKS:

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