FCC Radio Test Report

FCC ID: KA2IRX1860B1

This report concerns: Original Grant

Project No.	:	2104H029
Equipment	:	1) AX1800 Mesh Wi-Fi 6 Router 2) AX1500 Mesh Wi-Fi 6 Router
Brand Name	:	D-Link
Test Model	:	DIR-X1860
Series Model	:	DIR-X1550
Applicant	:	D-Link Corporation
Address	:	14420 Myford Road Suite 100 Irvine California United States
Manufacturer	:	D-Link Corporation
Address	:	14420 Myford Road Suite 100 Irvine California United States
Date of Receipt	:	Apr. 12, 2021
Date of Test	:	Apr. 12, 2021~May. 26, 2021
Issued Date	:	Jun. 17, 2021
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SH20210412101-18 fro radiated; SH20210412101-19 for conducted; SH20210412101-5 adapter.
Standard(s)	:	FCC CFR Title 47, Part 15, Subpart E FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 FCC KDB 662911 D01 Multiple Transmitter Output v02r01 ANSI C63.10-2013

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

Maker Qi

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Declaration

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

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

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

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

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

Limitation

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jun. 17, 2021

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart E				
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)	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
☐ Outdoor access point device
☒ Indoor access point device
☐ Fixed point-to-point access points device
☐ Client device

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210,China
BTL's Test Firm Registration Number for FCC: 476765
BTL's Designation Number for FCC: CN1241

1.2 MEASUREMENT UNCERTAINTY

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

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
SH-C01	CISPR	150 kHz ~ 30 MHz	2.70

B. Radiated emissions test:

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

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	23°C	57%	AC 120V/60Hz	Joven Xiong
Radiated Emissions-9kHz to 30MHz	20°C	40%	AC 120V/60Hz	Vince Zong
Radiated Emissions-30MHz to 1000MHz	24°C	58%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000 MHz	24°C	58%	AC 120V/60Hz	Forest Li
Bandwidth	20°C	40%	AC 120V/60Hz	Vince Zong
Maximum Output Power	20°C	40%	AC 120V/60Hz	Vince Zong
Power Spectral Density	20°C	40%	AC 120V/60Hz	Vince Zong

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	1) AX1800 Mesh Wi-Fi 6 Router 2) AX1500 Mesh Wi-Fi 6 Router
Brand Name	D-Link
Test Model	DIR-X1860
Series Model	DIR-X1550
Model Difference(s)	1) AX1800 Mesh Wi-Fi 6 Router for DIR-X1860 2) AX1500 Mesh Wi-Fi 6 Router for DIR-X1550 Only different in the model name.
Software Version	1.00 & 2.00
Hardware Version	/
Power Source	DC Voltage supplied from AC/DC adapter. #1 Brand/ Model: Gongjin/ S12A12-120A100-CJ #2 Brand/ Model: Gongin/ S12A14-120A100-PT #3 Brand/ Model: Mentech/MAUS-1201001202 #4 Brand/ Model:APD/WB-12G12R
Power Rating	#1 I/P: 100-240V~50/60Hz max 0.5A O/P: 12V ⎓ 1A #2 I/P: 100-240V~50/60Hz 0.4A LPS O/P: 12.0V ⎓ 1.0A 12.0W #3 I/P: 100-240V~50/60Hz 0.35A O/P: 12V ⎓ 1.0A #4 I/P: 100-240V~50/60Hz 0.3A Max O/P: 12.0V ⎓ 1.0A 12.0W
Operation Frequency Band(s)	UNII-1: 5150 MHz~5250 MHz UNII-2A: 5250 MHz~5350 MHz UNII-2C: 5470 MHz~5600 MHz & 5650MHz~5725MHz 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 866.6 Mbps IEEE 802.11ax: up to 1201 Mbps
Maximum Output Power _UNII-1 CDD	IEEE 802.11ax20: 25.37 dBm (0.3444 W)
Maximum Output Power _UNII-2A CDD	IEEE 802.11a: 23.21 dBm (0.2094 W)
Maximum Output Power _UNII-2C CDD	IEEE 802.11a: 23.82 dBm (0.2410 W)
Maximum Output Power _UNII-3 CDD	IEEE 802.11ax20: 27.58 dBm (0.5728 W)
Maximum Output Power _UNII-1 Beamforming	IEEE 802.11ax20: 25.20 dBm (0.3311 W)
Maximum Output Power _UNII-2A Beamforming	IEEE 802.11ac40: 21.94 dBm (0.1563 W)
Maximum Output Power _UNII-2C Beamforming	IEEE 802.11ac40: 21.93 dBm (0.1560 W)
Maximum Output Power _UNII-3 Beamforming	IEEE 802.11ax20: 27.42 dBm (0.5521 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		
108	5540	134	5670		
112	5560				
116	5580				
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. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	5
2	N/A	N/A	Dipole	N/A	5

Note:

1.This EUT supports Beamforming and CDD, all antennas have unequal gains, any transmit signals are correlated with each other, so

1) Beamforming:
Directional gain = $10\log[(10^{G1/20}+10^{G2/20}+....+10^{GN/20})^2/N_{ANT}]$dBi,
that is Directional gain=$10\log[(10^{G1/20}+10^{G2/20}+....+10^{GN/20})^2/N_{ANT}]$dBi =8.01;
Then, the UNII-1, UNII-3 output power limit is 30-8.01+6=27.99, the UNII-2A,UNII-2C output power limit is 23.98-8.01+6=21.97. The UNII-1 power spectral density limit is 17-8.01+6=14.99,UNII-2A,UNII-2C power spectral density limit is 11-8.01+6=8.99, the UNII-3 power spectral density limit is 30-8.01+6=27.99.

2) CDD:
For power spectral density measurements, the Directional gain=G_{ANT}+Array Gain, that is Directional gain=5+10log(2/1) =8.01;
Then, the UNII-1 power spectral density limited is 17-8.01+6=14.99, UNII-2A,UNII-2C power spectral density limit is 11-8.01+6=8.99, the UNII-3 power spectral density limit is 30-8.01+6=27.99.
For power meansurements, Directional gain= $G_{ANT\ MAX.}$+Array Gain.Array Gain=0dB($N_{ANT}\leq 4$), so the Directional gain=5.

2.The antenna gain and beamforming gain are provided by the manufacturer.

4. Table for Antenna Configuration:

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

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 21	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 22	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 25	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 26	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 28	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 29	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 30	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 32	TX A Mode Channel 149/157/165 (UNII-3)
Mode 33	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 34	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 35	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 36	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 37	TX AC(VHT80) Mode Channel 155 (UNII-3)

Mode 38	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 39	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 40	TX AX(HE80) Mode Channel 155 (UNII-3)
Mode 41	TX AX(HE20) Mode Channel 157 (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 41	TX AX(HE20) Mode Channel 157 (UNII-3)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 41	TX AX(HE20) Mode Channel 157 (UNII-3)

Radiated Emissions Test - Above 1GHz	
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)
Mode 21	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 24	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 25	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 26	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 28	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 29	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 30	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 32	TX A Mode Channel 149/157/165 (UNII-3)
Mode 35	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)

Mode 36	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 37	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 38	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 39	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 40	TX AX(HE80) Mode Channel 155 (UNII-3)

Conducted Test	
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)
Mode 21	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 22	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 23	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 24	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 25	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 26	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 28	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 29	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 30	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 32	TX A Mode Channel 149/157/165 (UNII-3)
Mode 33	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 34	TX N(HT40) Mode Channel 151/159 (UNII-3)

Mode 35	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 36	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 37	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 38	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 39	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 40	TX AX(HE80) Mode Channel 155 (UNII-3)

Note:
(1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX AX(HE20) Mode Channel 157 (UNII-3) is found to be the worst case and recorded.
(2) For radiated emission above 1 GHz test, the spurious points of 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) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
(4) The measurements for Output Power are tested, the worst case are IEEE 802.11a mode, IEEE 802.11ac(VHT20) mode, IEEE 802.11ac(VHT40) mode, IEEE 802.11ac(VHT80) mode, IEEE 802.11ax(HE20) mode, IEEE 802.11ax(HE40) mode and IEEE 802.11ax(HE80) mode, only the worst cases are documented for other test items.
(5) The measurements for Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is CDD and only the worst case is documented for other test items.
(6) All adapters have been pre-tested and only recorded the worst.

2.3 PARAMETERS OF TEST SOFTWARE

CDD

UNII-1			
Test Software Version	QA v2.24		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	18.00	19.50	23.00
IEEE 802.11n(HT20)	18.50	20.00	21.50
IEEE 802.11ac(VHT20)	18.50	20.00	21.50
IEEE 802.11ax(HE20)	18.00	20.00	21.50
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	17.00	20.50	
IEEE 802.11ac(VHT40)	17.00	20.50	
IEEE 802.11ax(HE40)	15.50	19.50	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	16.50		
IEEE 802.11ax(HE80)	16.50		

UNII-2A			
Test Software Version	QA v2.24		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	22.00	19.50	18.00
IEEE 802.11n(HT20)	16.50	16.50	16.50
IEEE 802.11ac(VHT20)	16.50	16.50	16.50
IEEE 802.11ax(HE20)	17.00	17.00	15.50
Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	18.50	18.00	
IEEE 802.11ac(VHT40)	18.50	18.00	
IEEE 802.11ax(HE40)	15.50	14.00	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	16.50		
IEEE 802.11ax(HE80)	13.50		

UNII-2C			
Test Software Version	QA v2.24		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	16.50	24.00	15.00
IEEE 802.11n(HT20)	16.50	17.50	17.00
IEEE 802.11ac(VHT20)	16.50	17.50	17.00
IEEE 802.11ax(HE20)	15.50	18.50	16.00
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	18.00	19.00	19.50
IEEE 802.11ac(VHT40)	18.00	19.00	19.50
IEEE 802.11ax(HE40)	14.00	16.50	17.50
Frequency (MHz)	5530		
IEEE 802.11ac(VHT80)	18.50		
IEEE 802.11ax(HE80)	14.50		

UNII-3			
Test Software Version	QA v2.24		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	23.00	25.50	23.00
IEEE 802.11n(HT20)	22.50	23.00	23.00
IEEE 802.11ac(VHT20)	22.50	23.00	23.00
IEEE 802.11ax(HE20)	24.00	25.00	25.00
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	21.50	23.00	
IEEE 802.11ac(VHT40)	21.50	23.00	
IEEE 802.11ax(HE40)	21.00	23.00	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	18.50		
IEEE 802.11ax(HE80)	18.00		

Beamforming

UNII-1			
Test Software Version	QA v2.24		
Frequency (MHz)	5180	5200	5240
IEEE 802.11n(HT20)	18.5	20	21.5
IEEE 802.11ac(VHT20)	18.5	20	21.5
IEEE 802.11ax(HE20)	18	20	21.5
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	17	20.5	
IEEE 802.11ac(VHT40)	17	20.5	
IEEE 802.11ax(HE40)	15.5	19.5	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	16.5		
IEEE 802.11ax(HE80)	16.5		

UNII-2A			
Test Software Version	QA v2.24		
Frequency (MHz)	5260	5300	5320
IEEE 802.11n(HT20)	16.5	16.5	16.5
IEEE 802.11ac(VHT20)	16.5	16.5	16.5
IEEE 802.11ax(HE20)	17	17	15.5
Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	18.5	18	
IEEE 802.11ac(VHT40)	18.5	18	
IEEE 802.11ax(HE40)	15.5	14	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	16.5		
IEEE 802.11ax(HE80)	13.5		

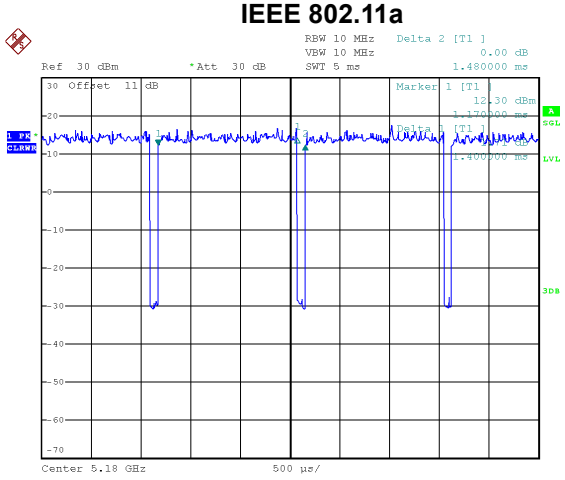
UNII-2C			
Test Software Version	QA v2.24		
Frequency (MHz)	5500	5580	5700
IEEE 802.11n(HT20)	21	16.5	17.5
IEEE 802.11ac(VHT20)	16.5	17.5	17
IEEE 802.11ax(HE20)	15.5	18.5	16
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	21	15.5	18.5
IEEE 802.11ac(VHT40)	17	18	18.5
IEEE 802.11ax(HE40)	14	16.5	17.5
Frequency (MHz)	5530		
IEEE 802.11ac(VHT80)	18.5		
IEEE 802.11ax(HE80)	14.5		

UNII-3			
Test Software Version	QA v2.24		
Frequency (MHz)	5745	5785	5825
IEEE 802.11n(HT20)	22.5	23	23
IEEE 802.11ac(VHT20)	22.5	23	23
IEEE 802.11ax(HE20)	24	25	25
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	21.5	23	
IEEE 802.11ac(VHT40)	21.5	23	
IEEE 802.11ax(HE40)	21	23	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	18.5		
IEEE 802.11ax(HE80)	18		

2.4 DUTY CYCLE

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

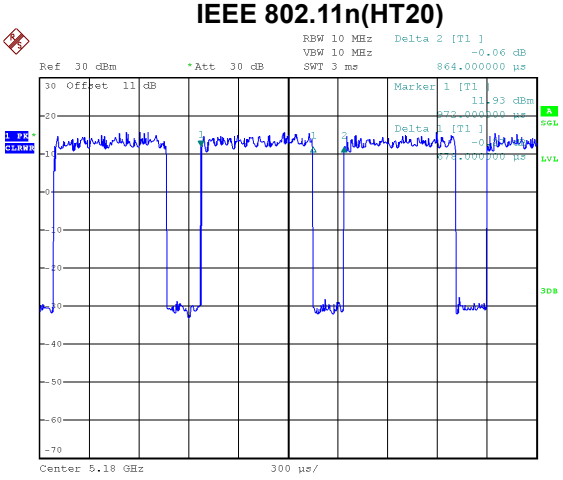
IEEE 802.11a



Date: 14.APR.2021 18:10:43

Duty cycle = 1.400 ms / 1.480 ms = 94.59%
Duty Factor = 10 log(1 / Duty cycle) = 0.24

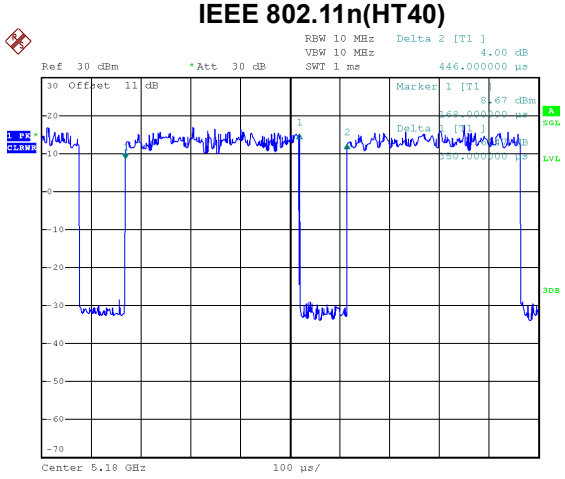
IEEE 802.11n(HT20)



Date: 14.APR.2021 18:12:08

Duty cycle = 0.678 ms / 0.864 ms = 78.47%
Duty Factor = 10 log(1 / Duty cycle) = 1.05

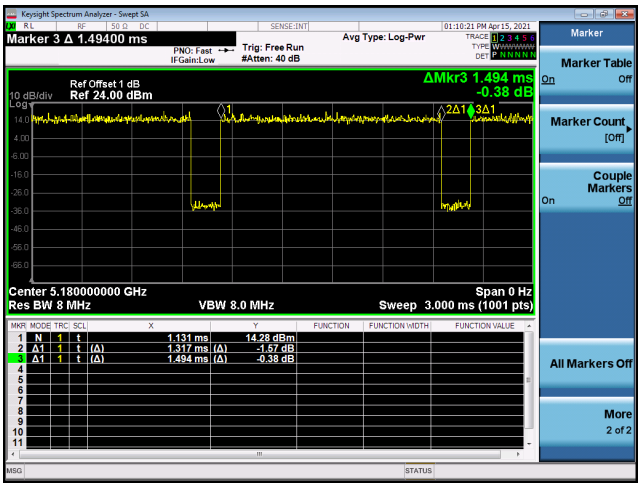
IEEE 802.11n(HT40)



Date: 14.APR.2021 18:34:11

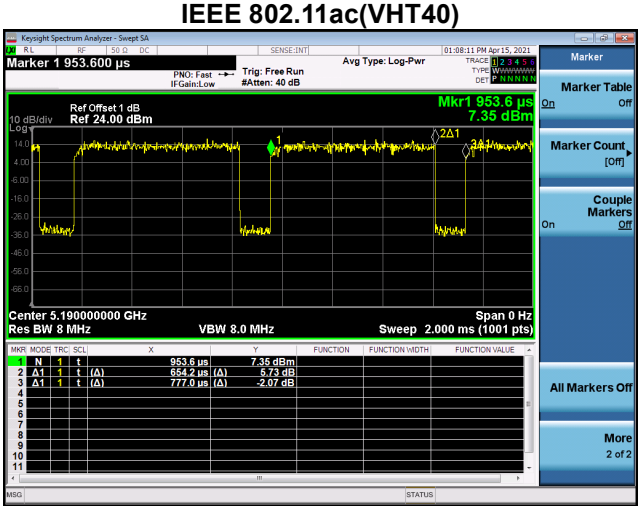
Duty cycle = 0.350 ms / 0.446 ms = 78.48%
Duty Factor = 10 log(1 / Duty cycle) = 1.05

IEEE 802.11ac(VHT20)



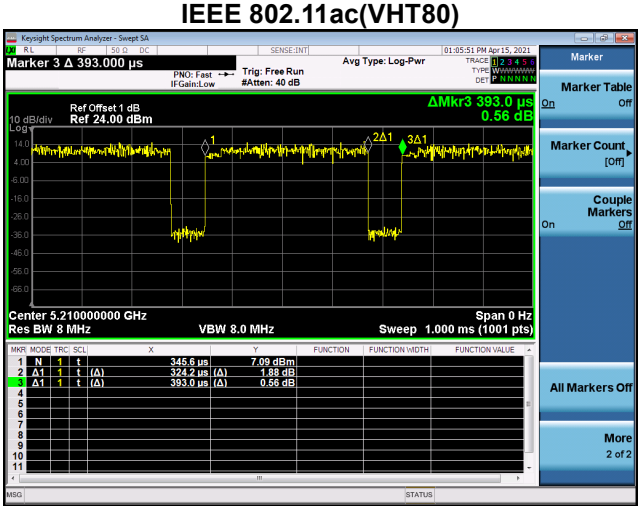
Duty cycle = 1.317 ms / 1.494 ms = 88.15%
Duty Factor = 10 log(1 / Duty cycle) = 0.55

IEEE 802.11ac(VHT40)



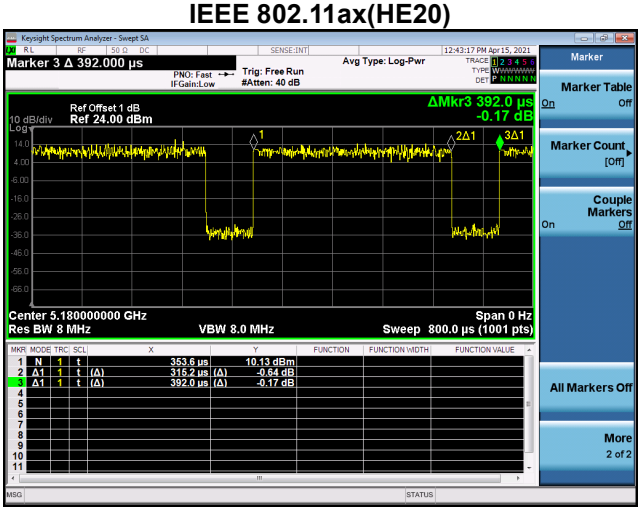
Duty cycle = 0.654 ms / 0.777 ms = 84.20%
Duty Factor = 10 log(1 / Duty cycle) = 0.75

IEEE 802.11ac(VHT80)



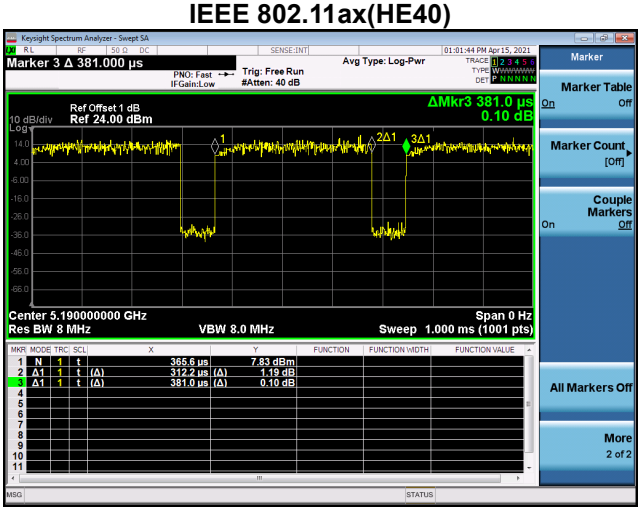
Duty cycle = 0.324 ms / 0.393 ms = 82.49%
Duty Factor = 10 log(1 / Duty cycle) = 0.84

IEEE 802.11ax(HE20)



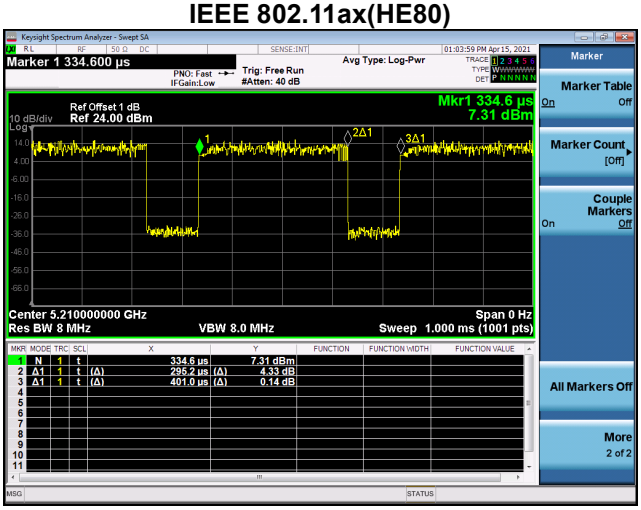
Duty cycle = 0.315 ms / 0.392 ms = 80.41%
Duty Factor = 10 log(1 / Duty cycle) = 0.95

IEEE 802.11ax(HE40)



Duty cycle = 0.312 ms / 0.381 ms = 81.94%
Duty Factor = 10 log(1 / Duty cycle) = 0.87

IEEE 802.11ax(HE80)



Duty cycle = 0.295 ms / 0.401 ms = 73.62%
Duty Factor = 10 log(1 / Duty cycle) = 1.33

NOTE:
For IEEE 802.11a:
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(HT20):
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 802.11n(HT40):
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%).

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

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

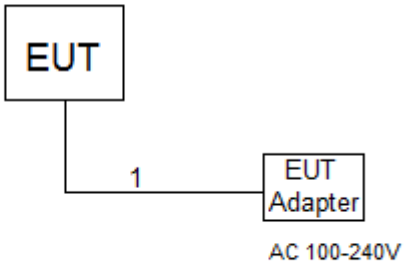
For IEEE 802.11ac(VHT80):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 4 kHz (Duty cycle < 98%).

For 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 4 kHz (Duty cycle < 98%).

For 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 4 kHz (Duty cycle < 98%).

For 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 4 kHz (Duty cycle < 98%).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

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

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 LIMIT

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

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

3.2 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.

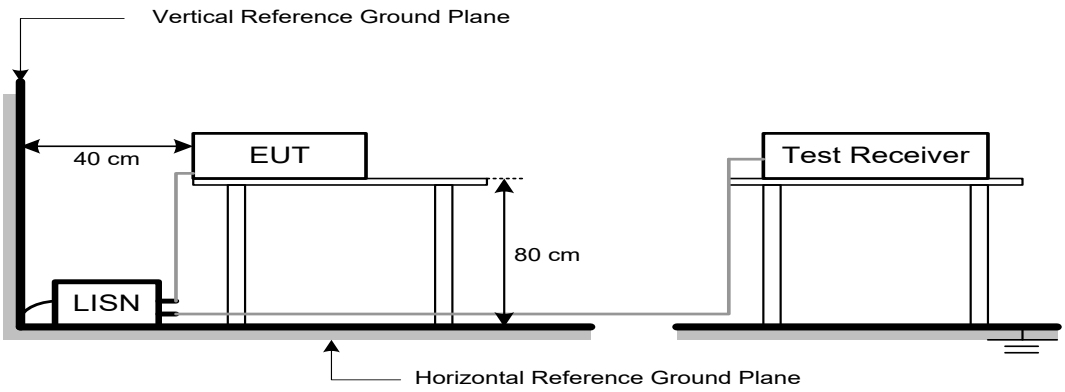
The following table is the setting of the receiver:

Receiver Parameter	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

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

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 (Above 1000 MHz)

Frequency (MHz)	EIRP Limit (dBm/MHz)	Band edge at 3m (dBμV/m)	Harmonic at 1.5m (dBμV/m)
5150-5250	-27	68.2	74.2 (Note 3)
5250-5350	-27	68.2	74.2 (Note 3)
5470-5725	-27	68.2	74.2 (Note 3)
5725-5850 **NOTE (2)**	-27	68.2	74.2 (Note 3)
	10	105.2	111.2 (Note 3)
	15.6	110.8	116.8 (Note 3)
	27	122.2	128.2 (Note 3)

NOTE:

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

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

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

4.2 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m or 1.5m 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.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic or 40 GHz, whichever is lower
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

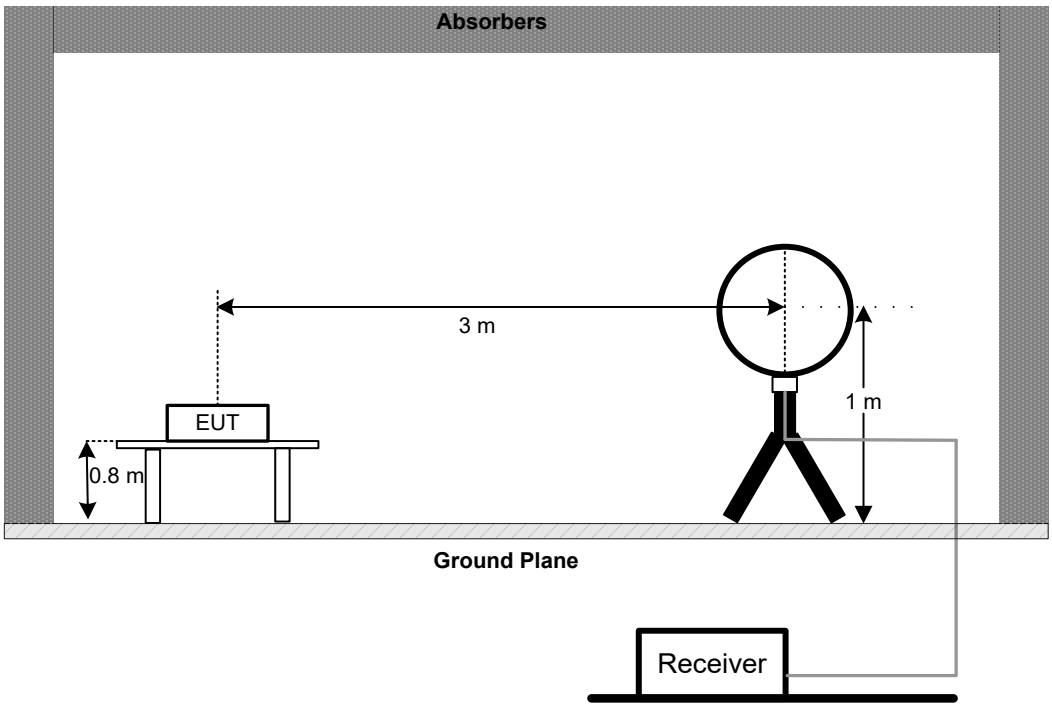
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~40 GHz for PK/AVG detector

4.3 DEVIATION FROM TEST STANDARD

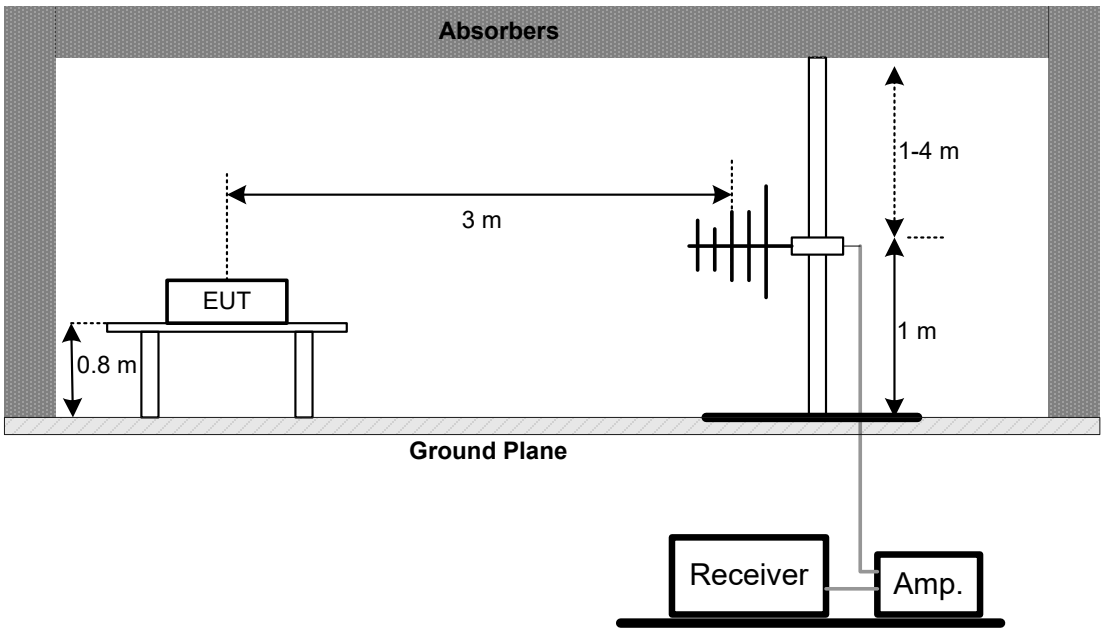
No deviation.

4.4 TEST SETUP

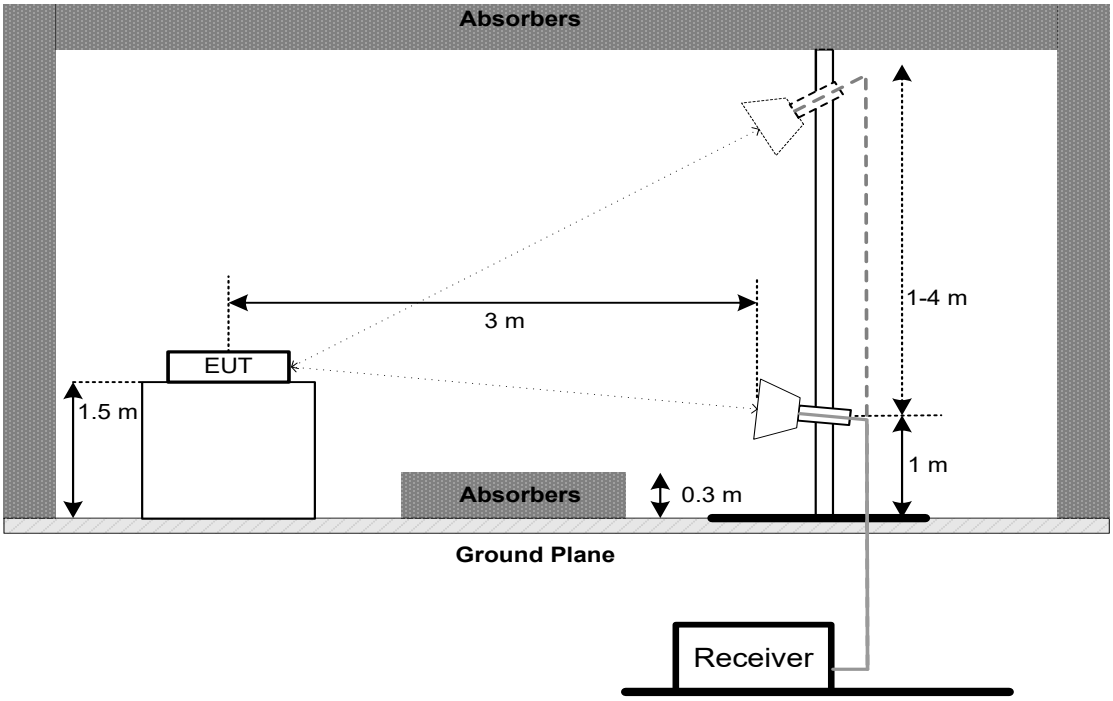
9 kHz to 30 MHz



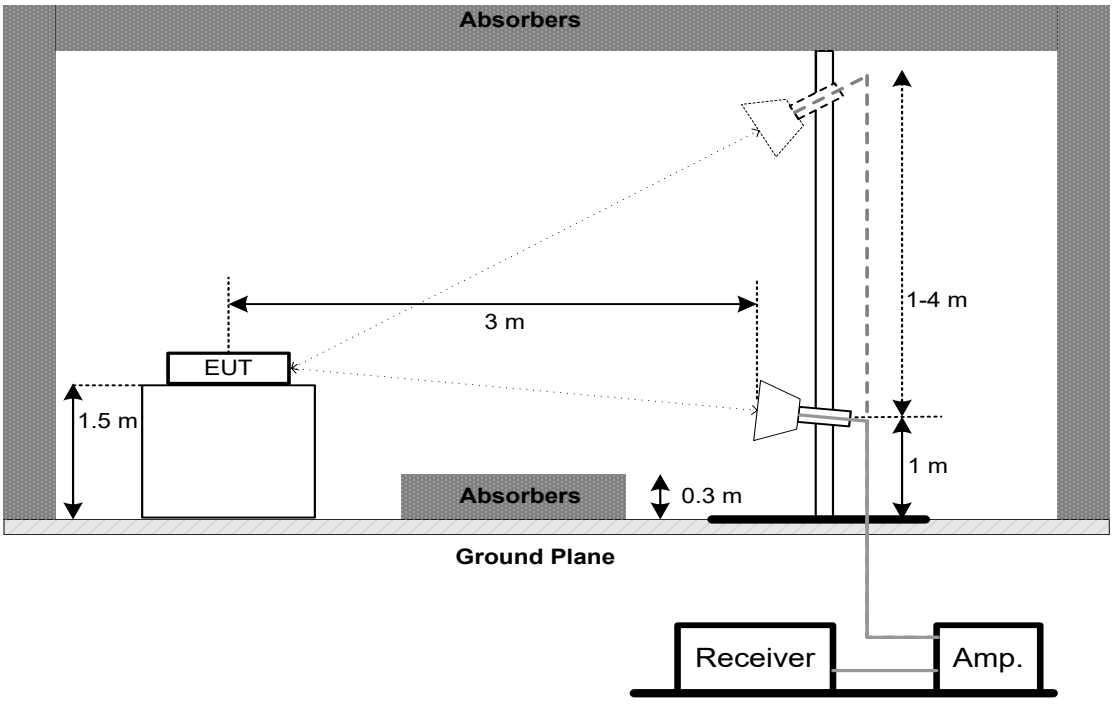
30 MHz to 1 GHz



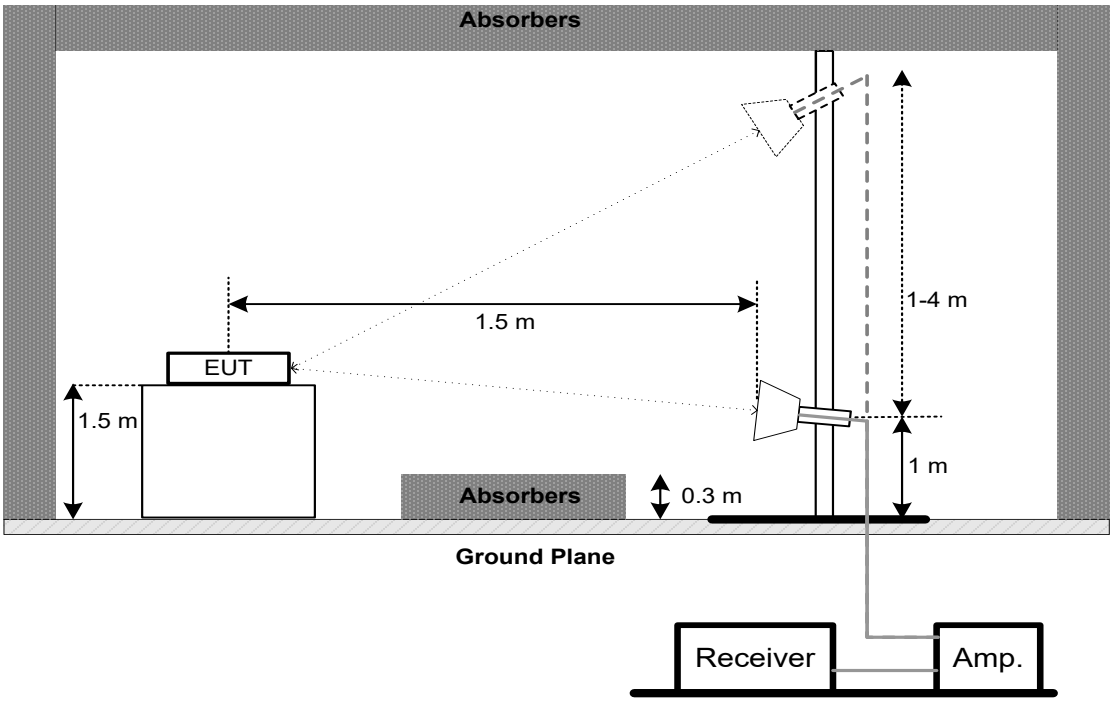
Above 1 GHz
Band edge



Harmonic (1 GHz to 18 GHz)



Harmonic (18 GHz to 40 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 (specific distance / 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

5.1 LIMIT

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

5.2 TEST PROCEDURE

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

b. Spectrum Setting:

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

Spectrum Parameter	Setting
Span Frequency	> 26 dB Bandwidth
RBW	Appromiximately 1% of the emission bandwidth
VBW	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For UNII-3:

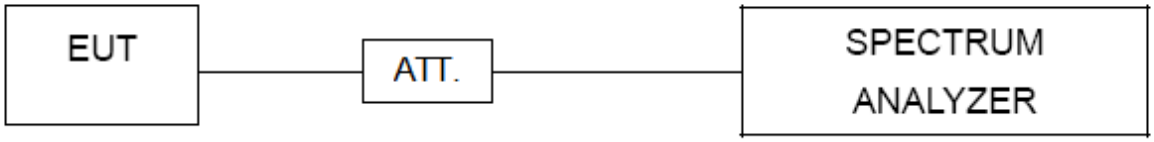
Spectrum Parameter	Setting
Span Frequency	> 6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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

6.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Maximum Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

a. For an outdoor 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

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

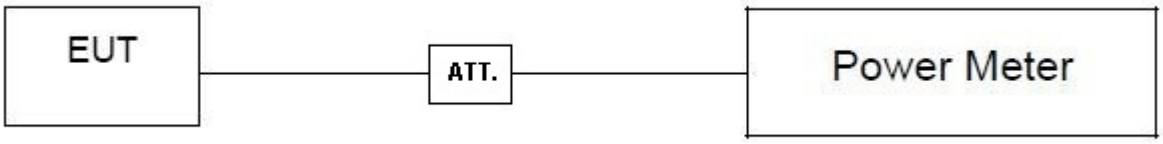
6.2 TEST PROCEDURE

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

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. POWER SPECTRAL DENSITY

7.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 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
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
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

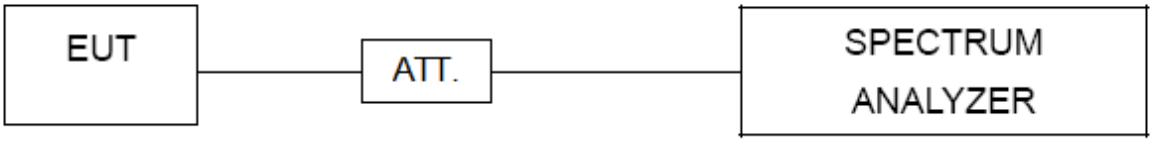
Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 100kHz and VBW at 300kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add 10 log (500 kHz/100 kHz) to the measured result, i.e. 7 dB.
2. During the test of U-NII 3 PSD, the measurement result with RBW=100kHz has been added 7 dB by compensating offset. For example, the cable loss is 13 dB, and the final offset is 13 + 7 = 20 dB when RBW=100kHz is used.

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. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 20, 2022
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Aug. 23, 2021
3	Test Cable	emci	EMCRG400-BM-NM-10000	170628	Apr. 11, 2022
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 2022
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 20, 2022
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 20, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Apr. 15, 2022
2	Cable	N/A	EMCRG400-BM-NM-10000	170628	Apr. 11, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2022
4	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Mar. 26, 2022
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 20, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2022
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 11, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	9120D	9120D-1786	Mar. 26, 2022
2	Pre-Amplifier	emci	EMC012645SE	980421	May. 10, 2022
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 20, 2022
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 11, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2022
9	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Mar. 27, 2022
10	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 20, 2022
11	Test Cable	emci	EMC102-KM-KM-800	170654	Apr. 15, 2022
12	Test Cable	emci	Super Reliable-40G-SS11-7000	W0030860001	Apr. 15, 2022

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

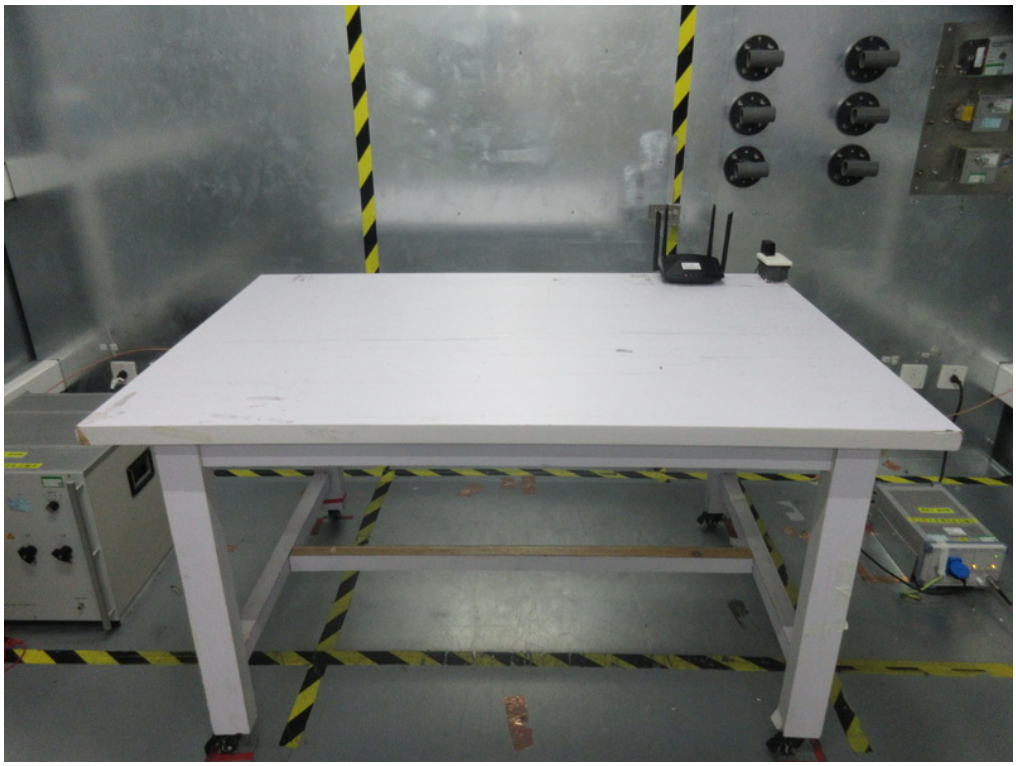
Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

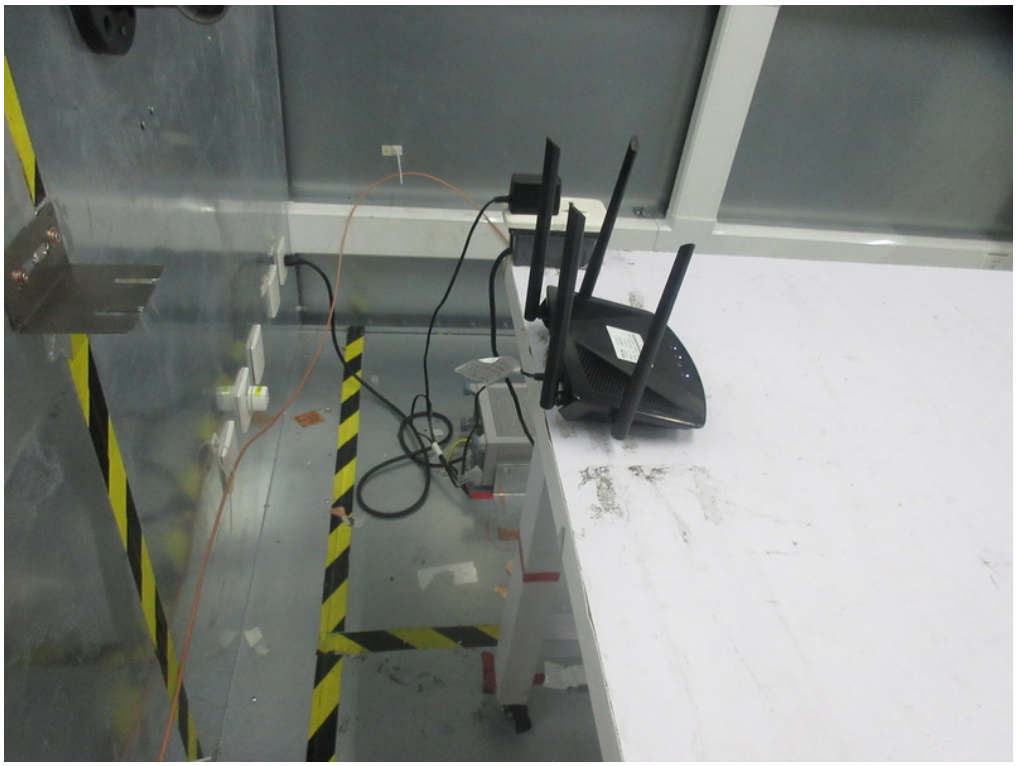
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

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

9. EUT TEST PHOTOS

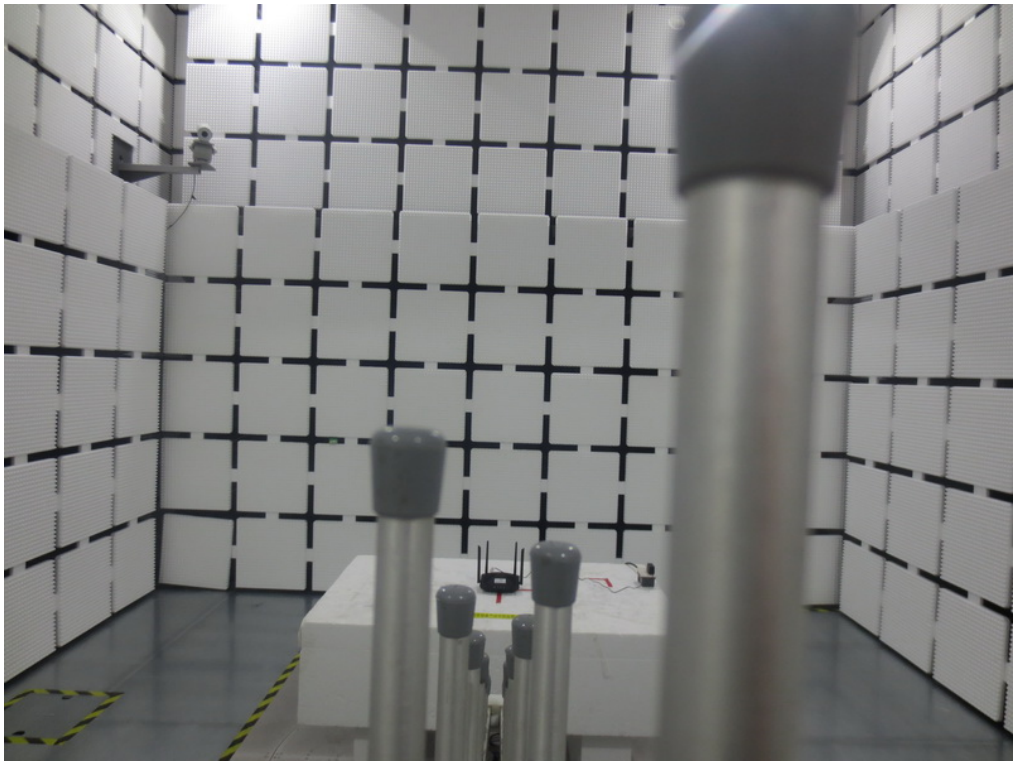
AC Power Line Conducted Emissions Test Photos

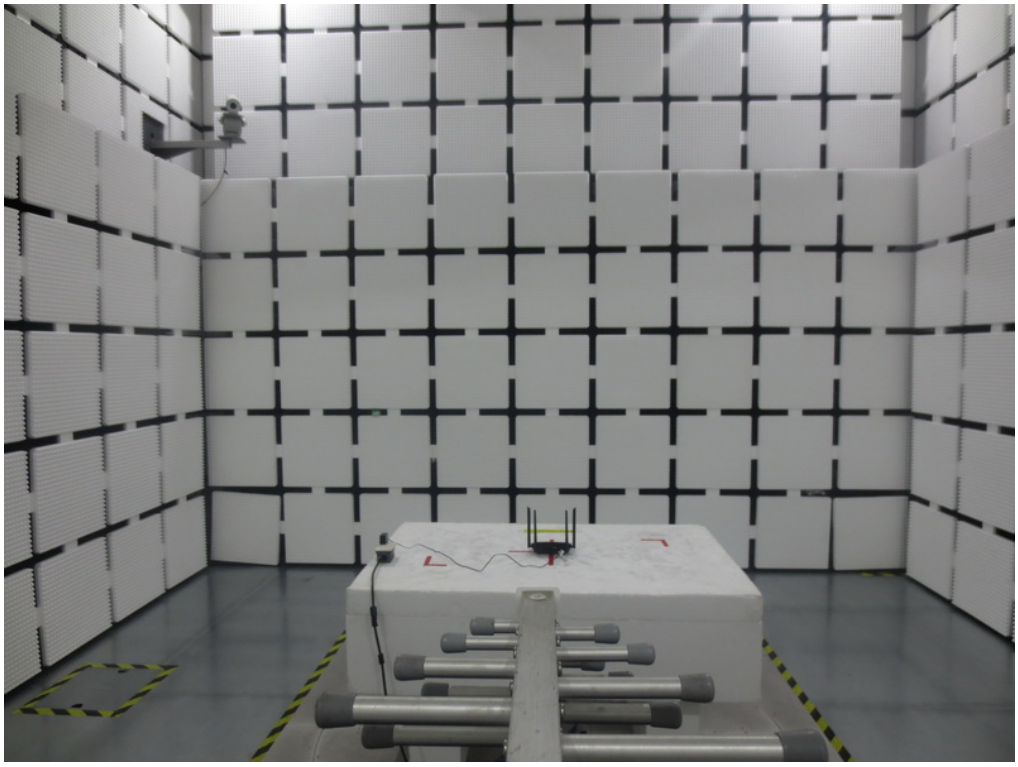




Radiated Emissions Test Photos

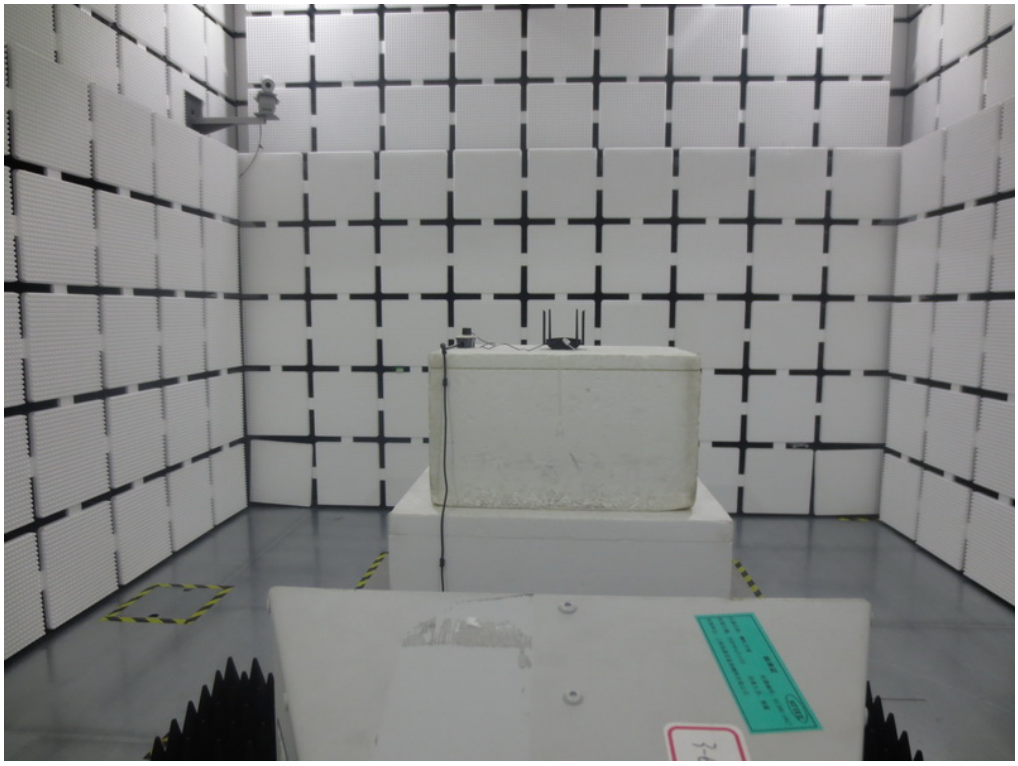
30 MHz to 1 GHz

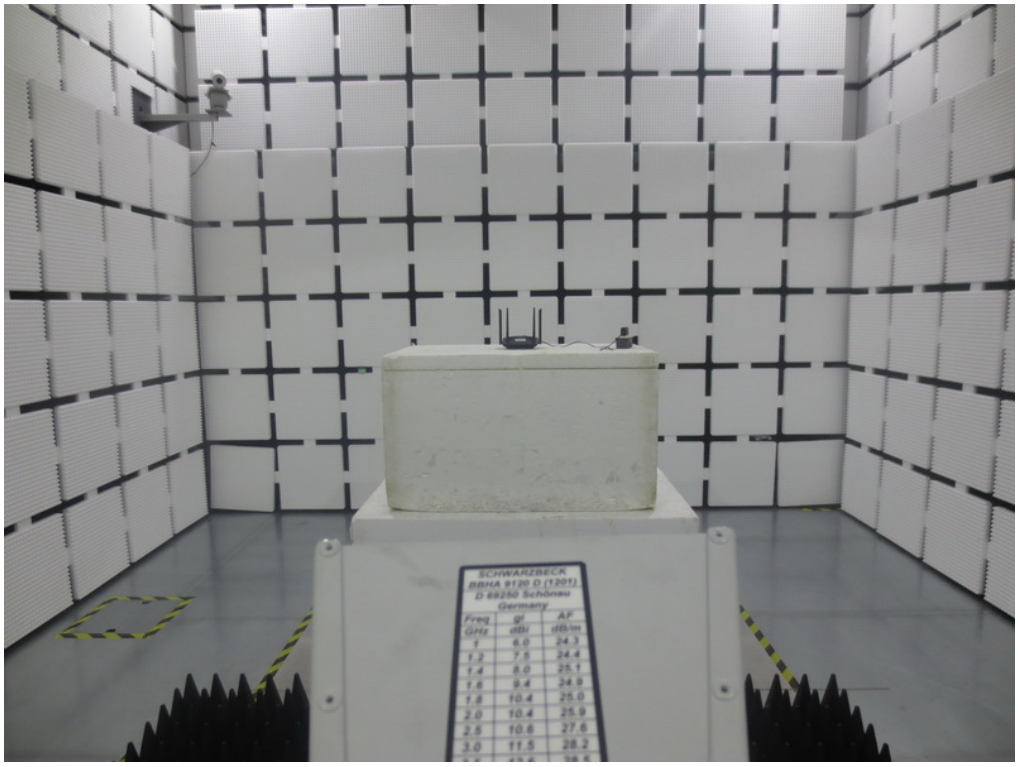




Radiated Emissions Test Photos

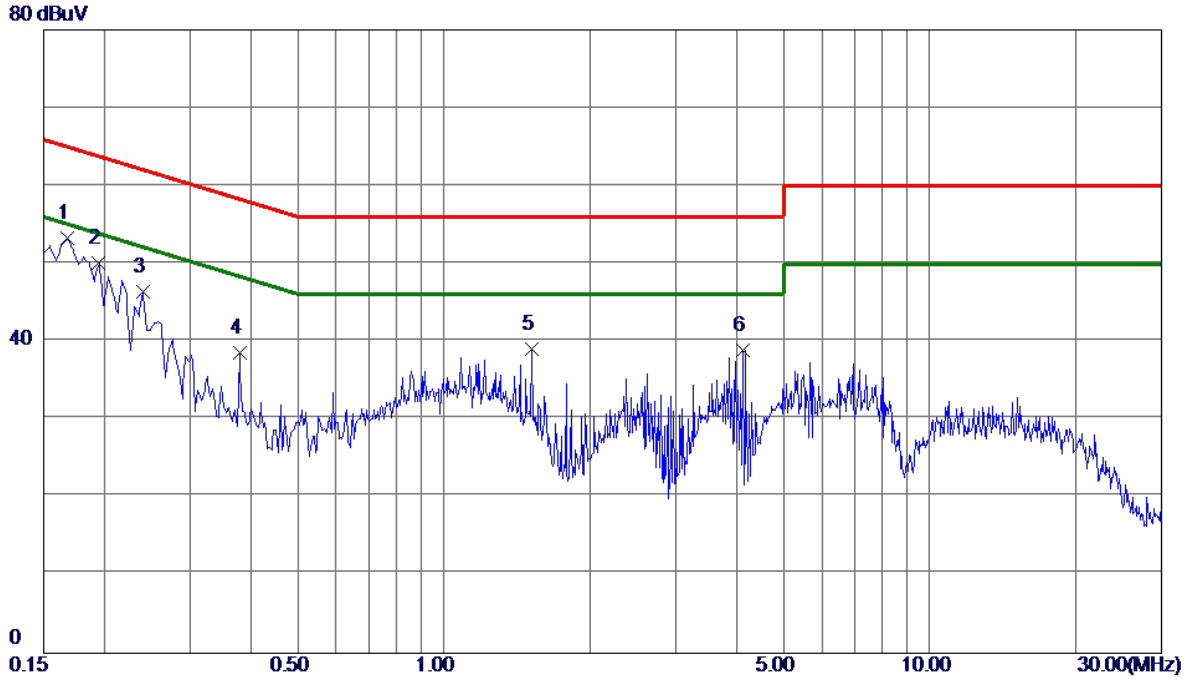
Above 1 GHz





APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

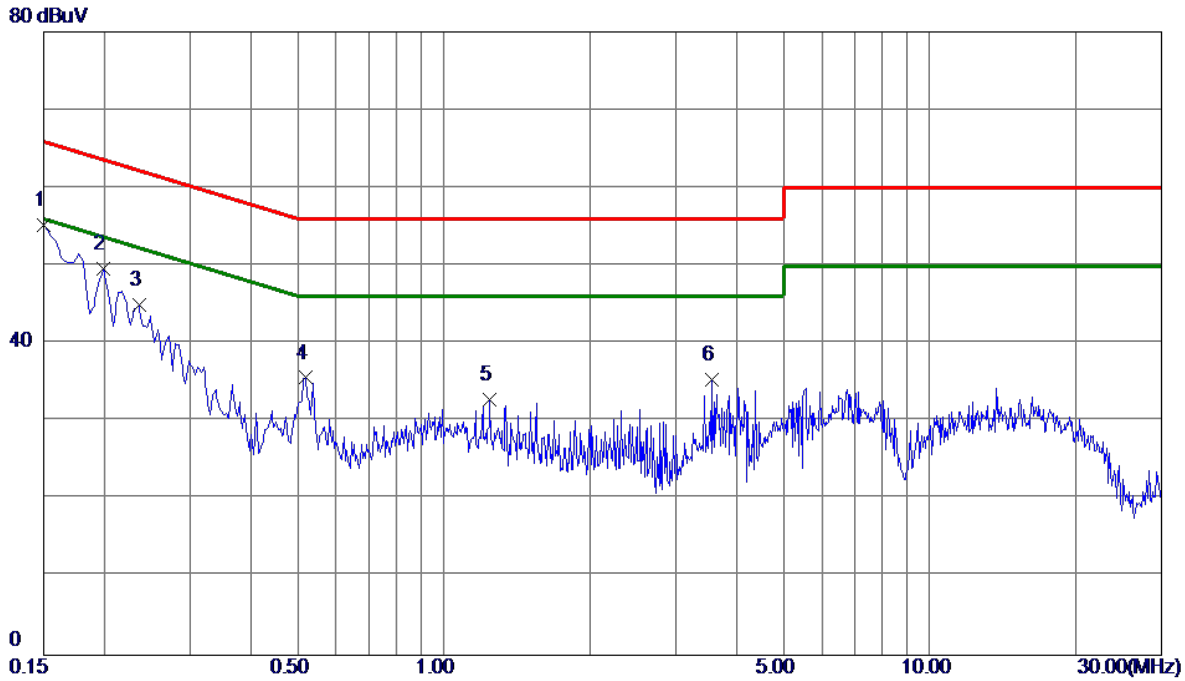
Test Mode	TX AX(HE20) Mode Channel 157 (UNII-3)	Phase	Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1680	43.52	9.72	53.24	65.06	-11.82	Peak	
2	0.1949	40.36	9.74	50.10	63.83	-13.73	Peak	
3	0.2400	36.58	9.75	46.33	62.10	-15.77	Peak	
4	0.3795	28.77	9.78	38.55	58.29	-19.74	Peak	
5	1.5180	29.20	9.87	39.07	56.00	-16.93	Peak	
6	4.1280	28.91	10.01	38.92	56.00	-17.08	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 AX(HE20) Mode Channel 157 (UNII-3)	Phase	Neutral



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.1500	45.53	9.68	55.21	66.00	-10.79	Peak	
2	0.1995	39.84	9.71	49.55	63.63	-14.08	Peak	
3	0.2355	35.29	9.72	45.01	62.25	-17.24	Peak	
4	0.5190	25.83	9.77	35.60	56.00	-20.40	Peak	
5	1.2435	22.99	9.83	32.82	56.00	-23.18	Peak	
6	3.5610	25.43	9.97	35.40	56.00	-20.60	Peak	

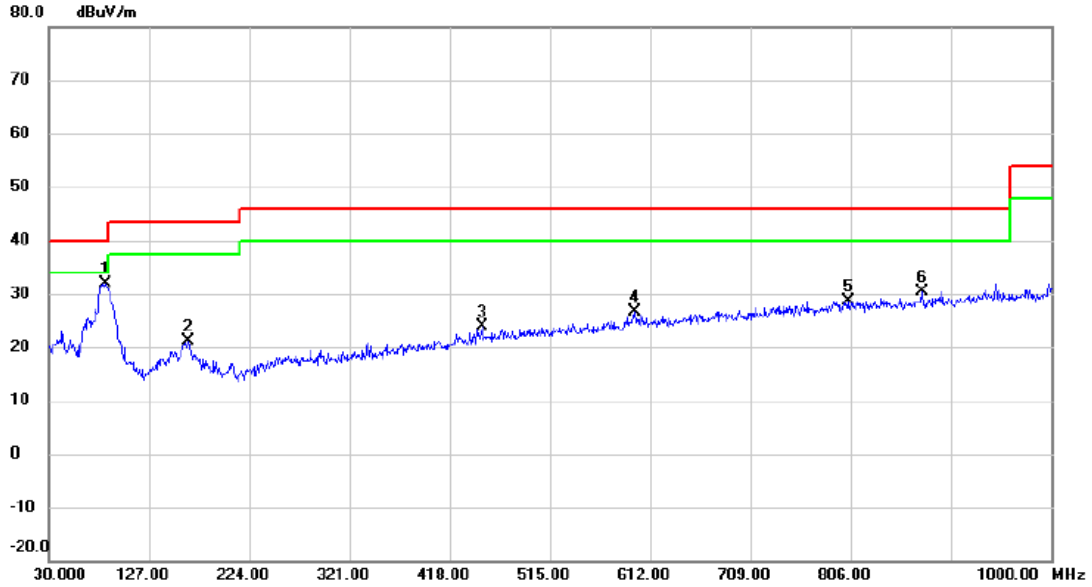
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) The test result has included the cable loss.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

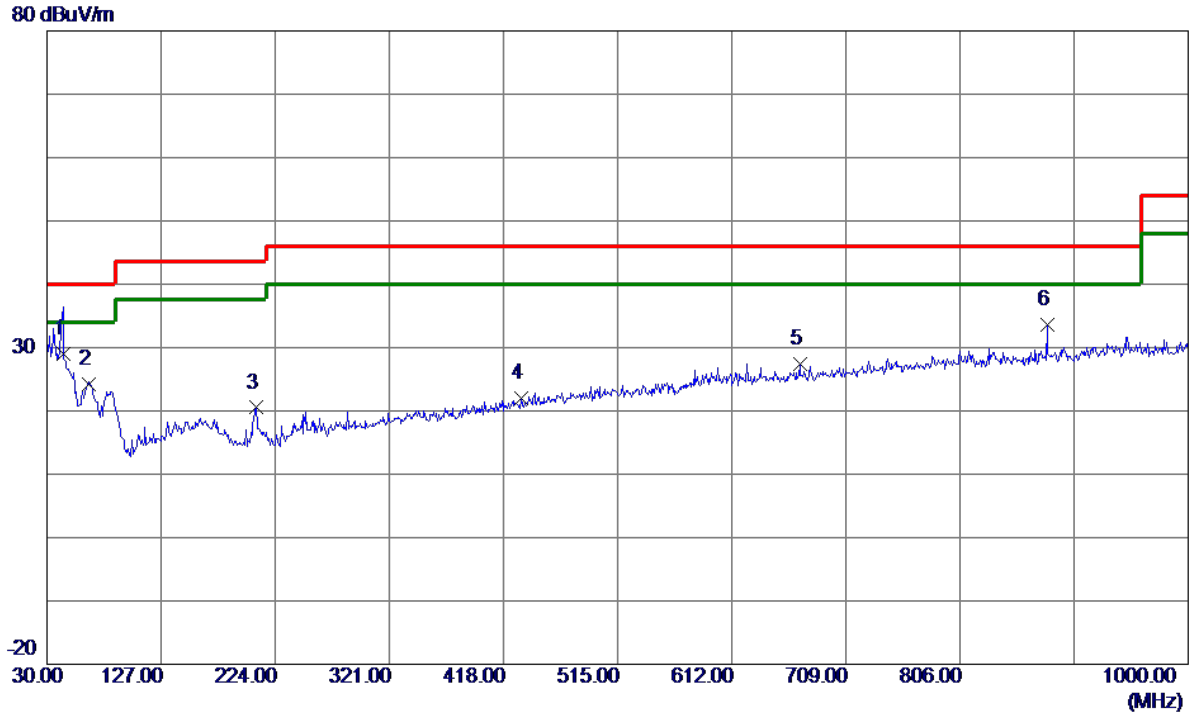
Test Mode	TX AX(HE20) Mode Channel 157 (UNII-3)	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	84.3200	53.69	-21.76	31.93	40.00	-8.07	peak	
2		165.3150	37.35	-16.20	21.15	43.50	-22.35	peak	
3		449.0400	35.90	-11.97	23.93	46.00	-22.07	peak	
4		596.4800	35.91	-9.26	26.65	46.00	-19.35	peak	
5		803.5750	35.24	-6.52	28.72	46.00	-17.28	peak	
6		874.8700	36.53	-6.13	30.40	46.00	-15.60	peak	

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

Test Mode	TX AX(HE20) Mode Channel 157 (UNII-3)	Polarization	Horizontal

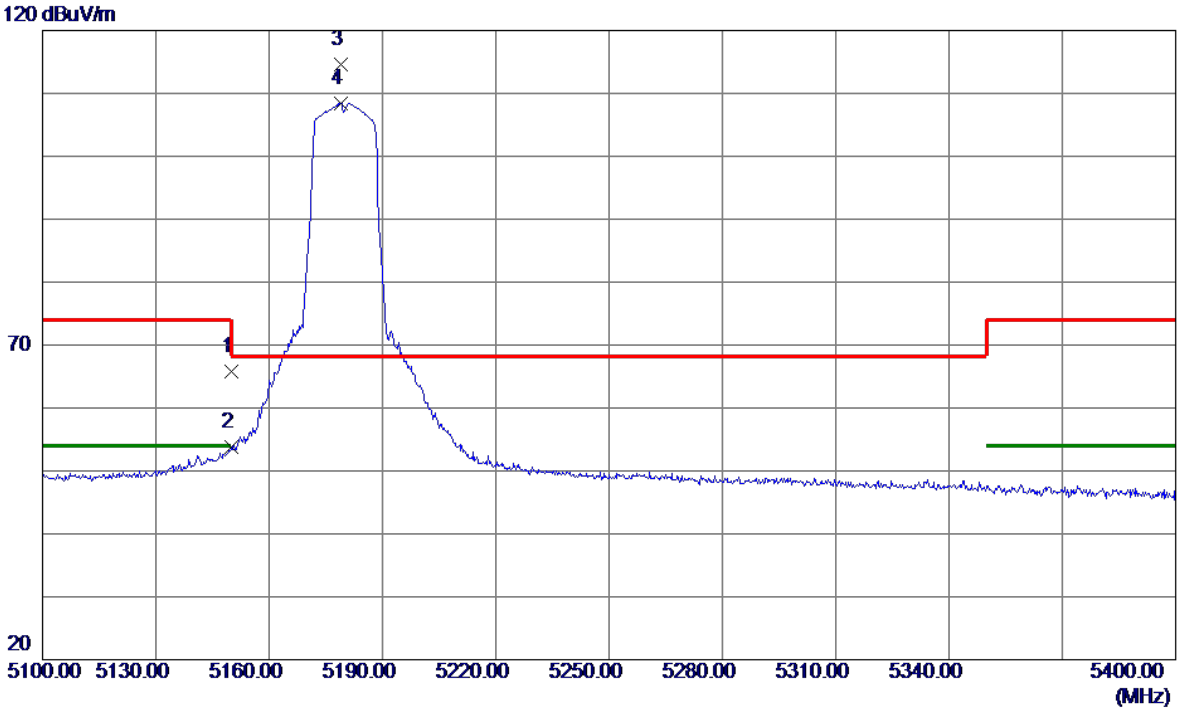


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	43.5800	46.04	-17.03	29.01	40.00	-10.99	QP	
2	65.8900	42.20	-17.91	24.29	40.00	-15.71	Peak	
3	207.5100	39.82	-19.32	20.50	43.50	-23.00	Peak	
4	433.0350	34.45	-12.46	21.99	46.00	-24.01	Peak	
5	669.7150	35.81	-8.36	27.45	46.00	-18.55	Peak	
6	880.2050	39.64	-6.11	33.53	46.00	-12.47	Peak	

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

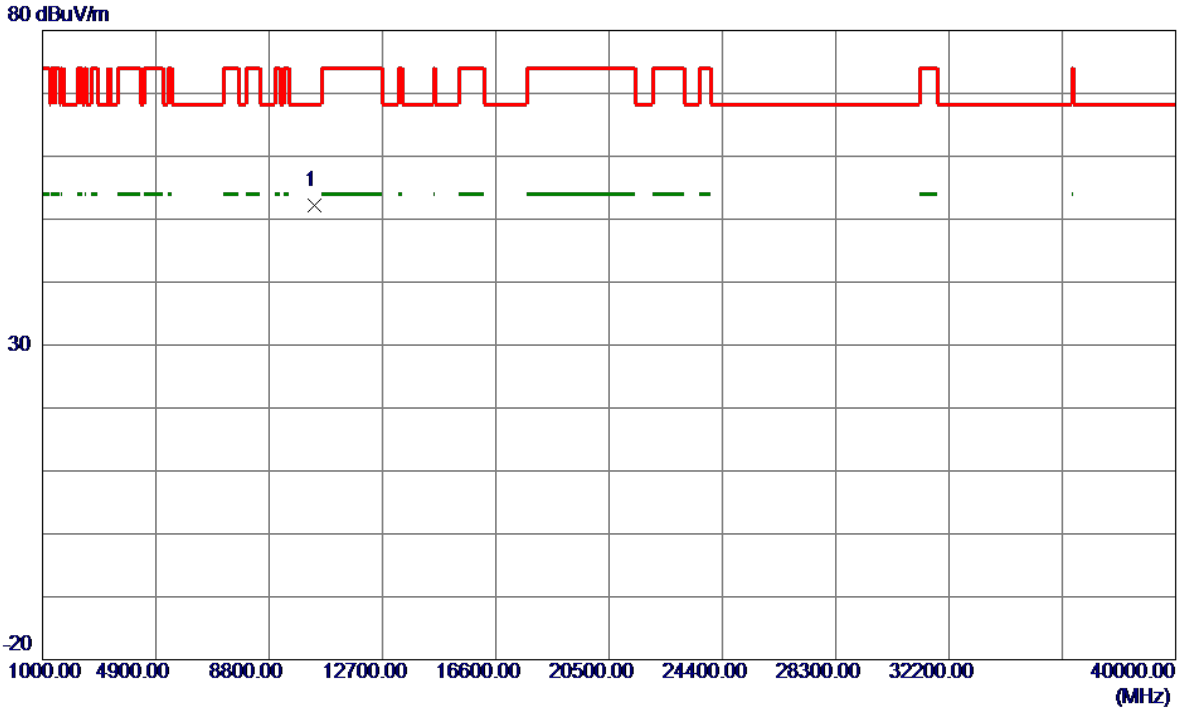
Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	27.97	37.88	65.85	74.00	-8.15	Peak	
2	5150.0000	15.95	37.88	53.83	54.00	-0.17	AVG	
3 *	5178.9000	76.78	37.76	114.54	68.20	46.34	Peak	No limit
4	5178.9000	70.72	37.76	108.48	999.00	-890.52	AVG	No limit

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

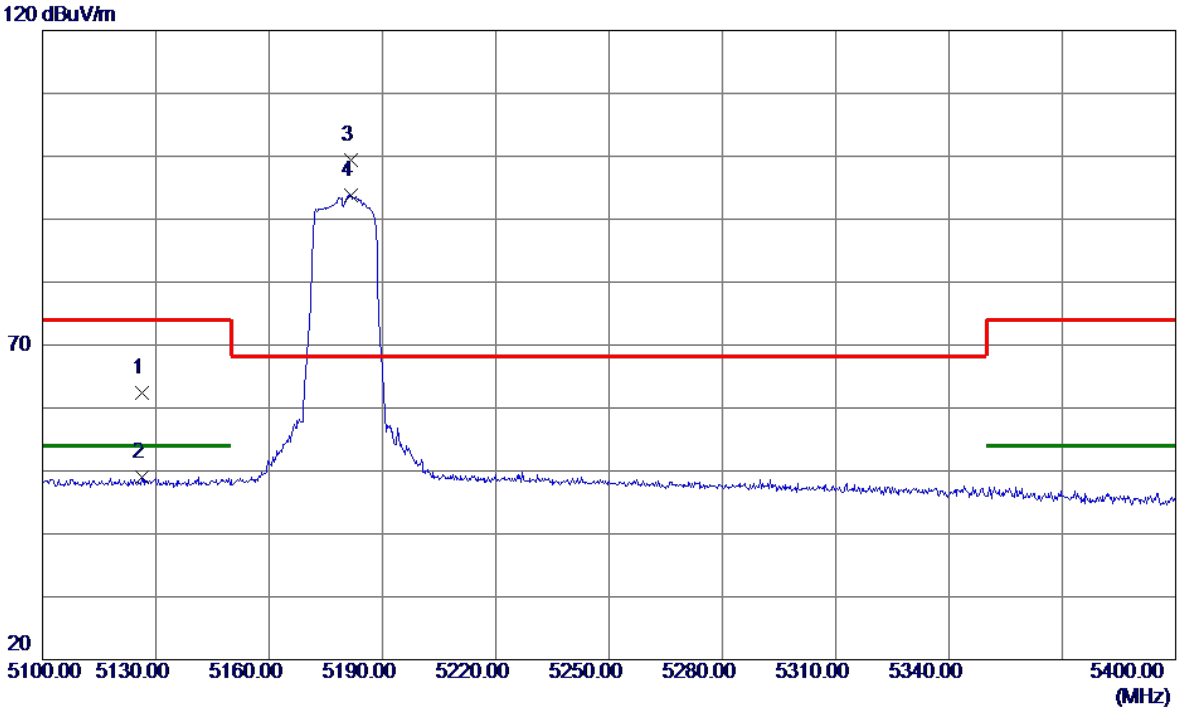
Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10358.0500	50.49	1.64	52.13	68.20	-16.07	Peak	

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

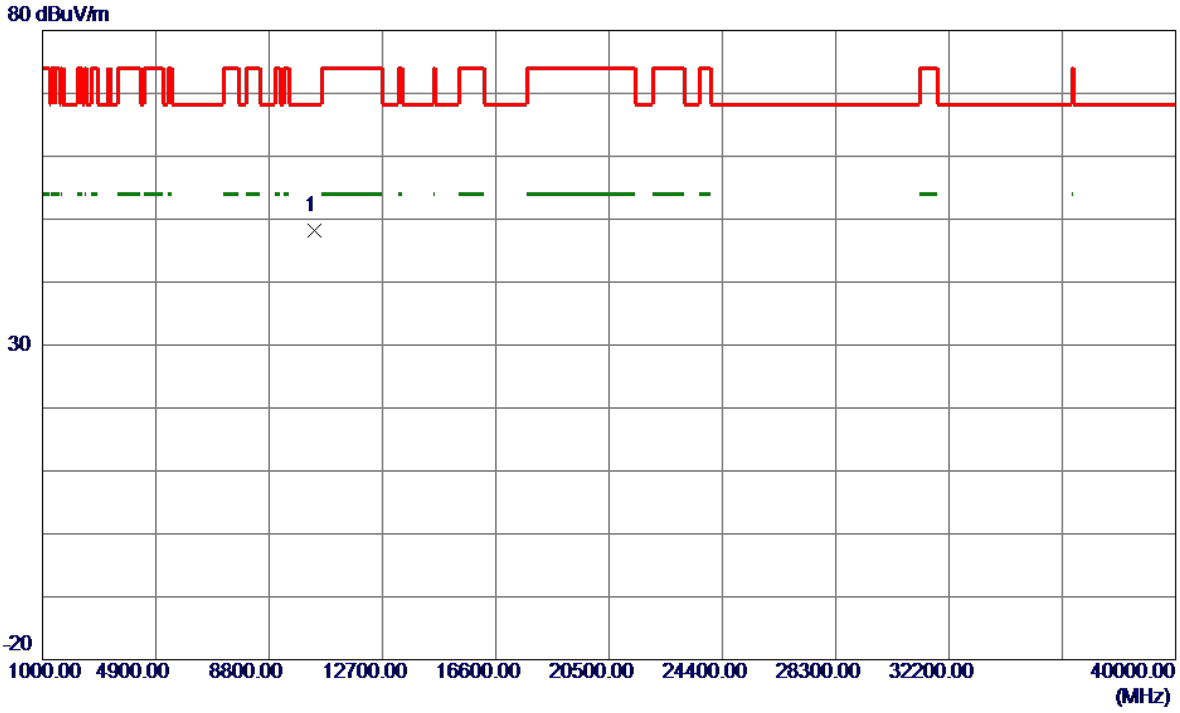
Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5126.2500	24.51	37.97	62.48	74.00	-11.52	Peak	
2	5126.2500	11.06	37.97	49.03	54.00	-4.97	AVG	
3 *	5181.7500	61.70	37.75	99.45	68.20	31.25	Peak	No limit
4	5181.7500	56.08	37.75	93.83	999.00	-905.17	AVG	No limit

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

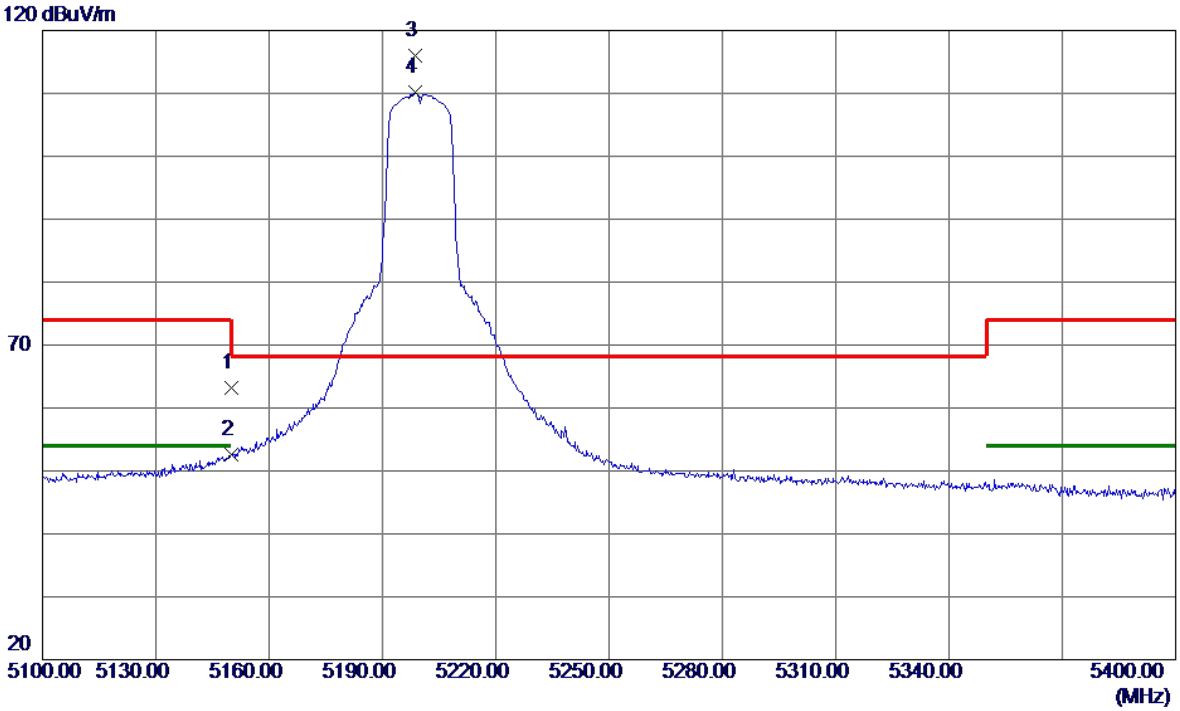
Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	46.54	1.65	48.19	68.20	-20.01	Peak	

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

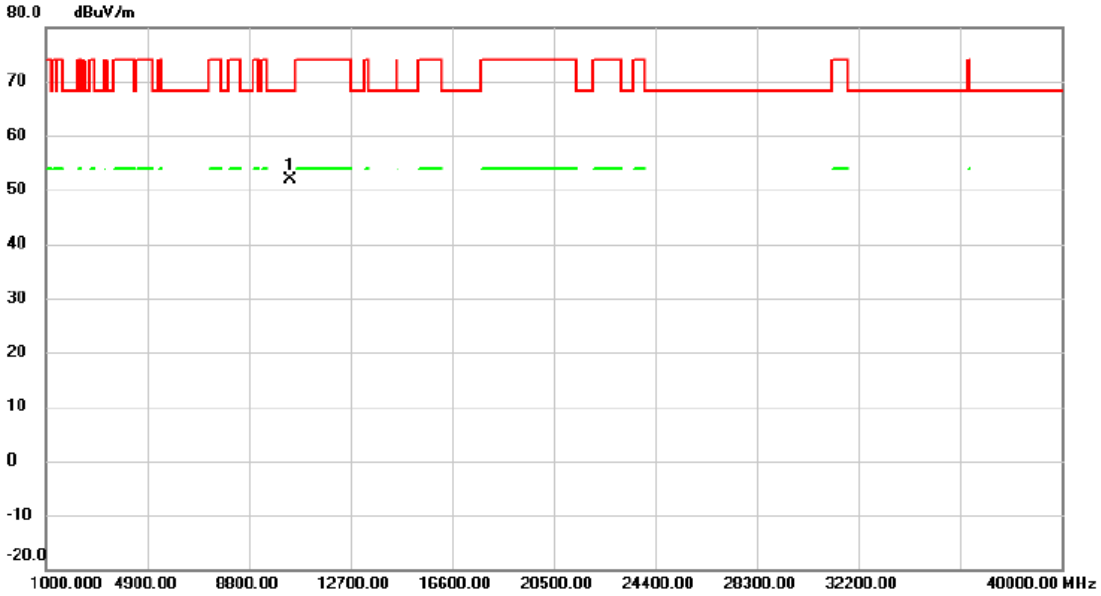
Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	25.33	37.88	63.21	74.00	-10.79	Peak	
2	5150.0000	14.74	37.88	52.62	54.00	-1.38	AVG	
3 *	5198.7000	78.34	37.69	116.03	68.20	47.83	Peak	No limit
4	5198.7000	72.46	37.69	110.15	999.00	-888.85	AVG	No limit

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

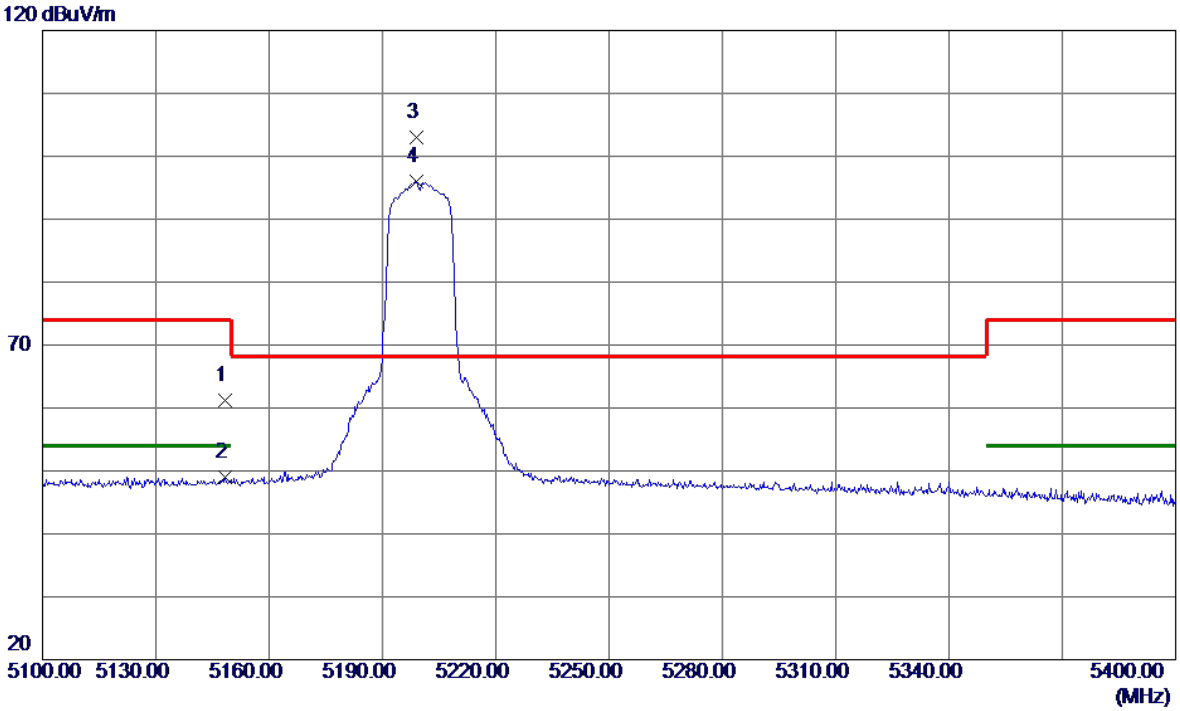
Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10402.90	50.21	1.72	51.93	68.20	-16.27	peak	

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

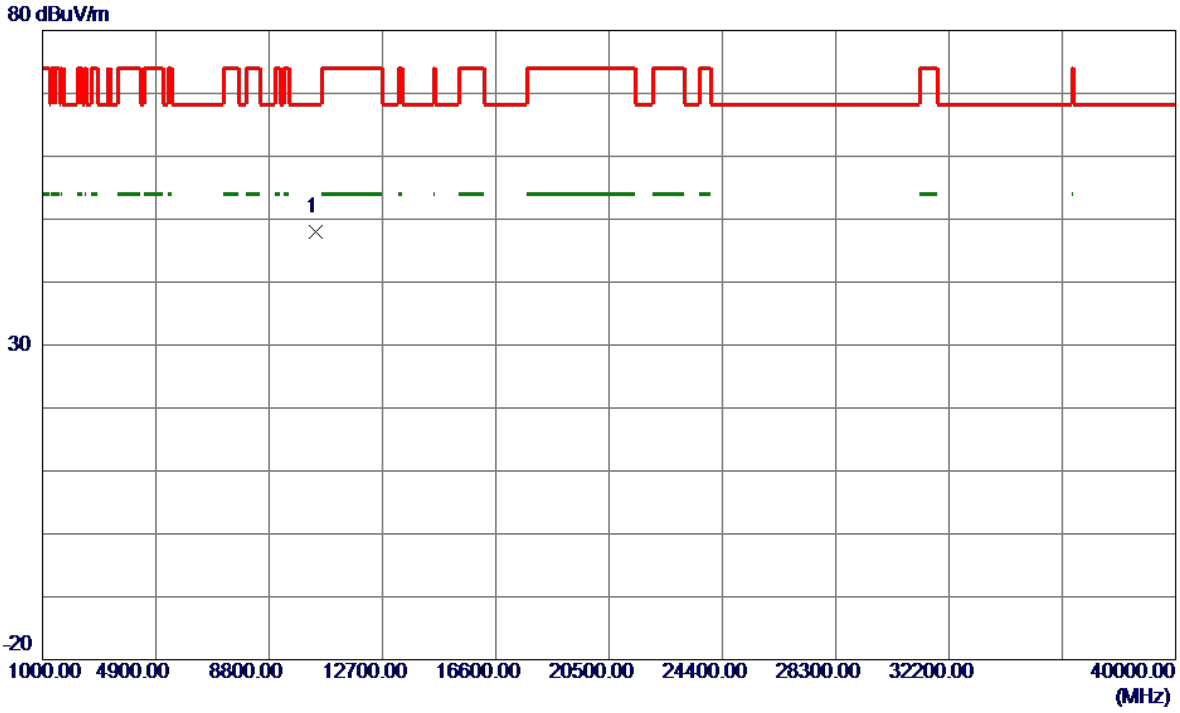
Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5148.3000	23.29	37.88	61.17	74.00	-12.83	Peak	
2	5148.3000	11.10	37.88	48.98	54.00	-5.02	AVG	
3 *	5199.1500	65.24	37.68	102.92	68.20	34.72	Peak	No limit
4	5199.1500	58.28	37.68	95.96	999.00	-903.04	AVG	No limit

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

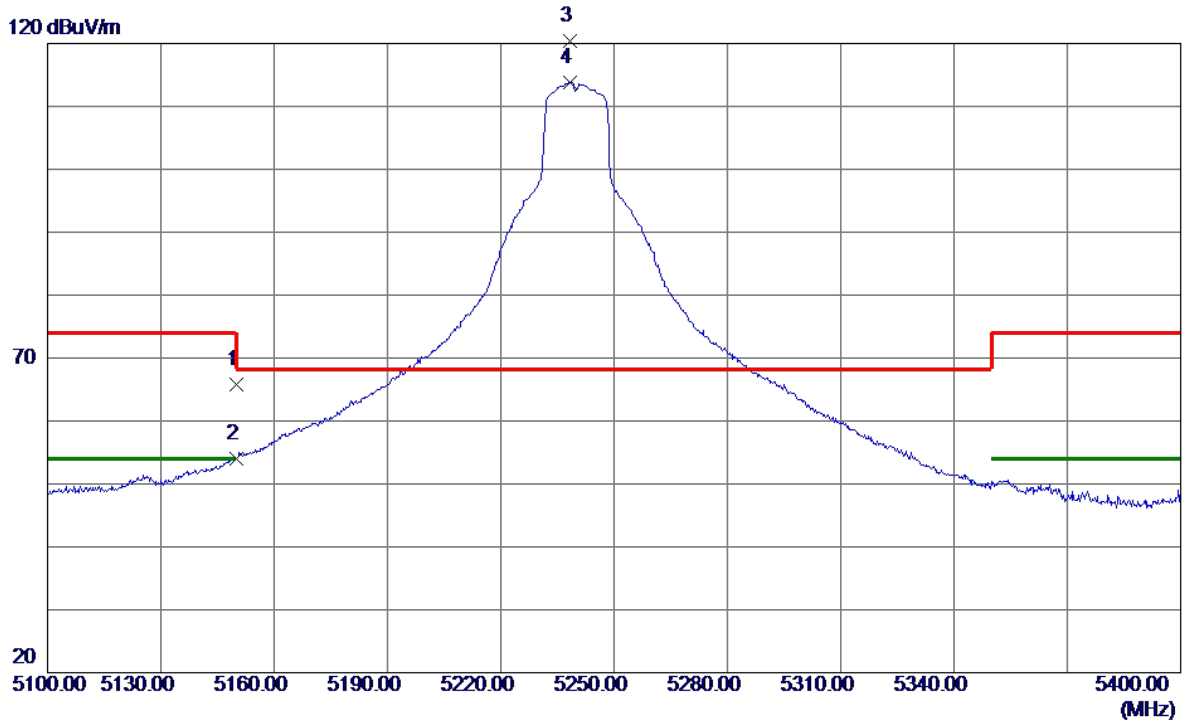
Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0000	46.36	1.72	48.08	68.20	-20.12	Peak	

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

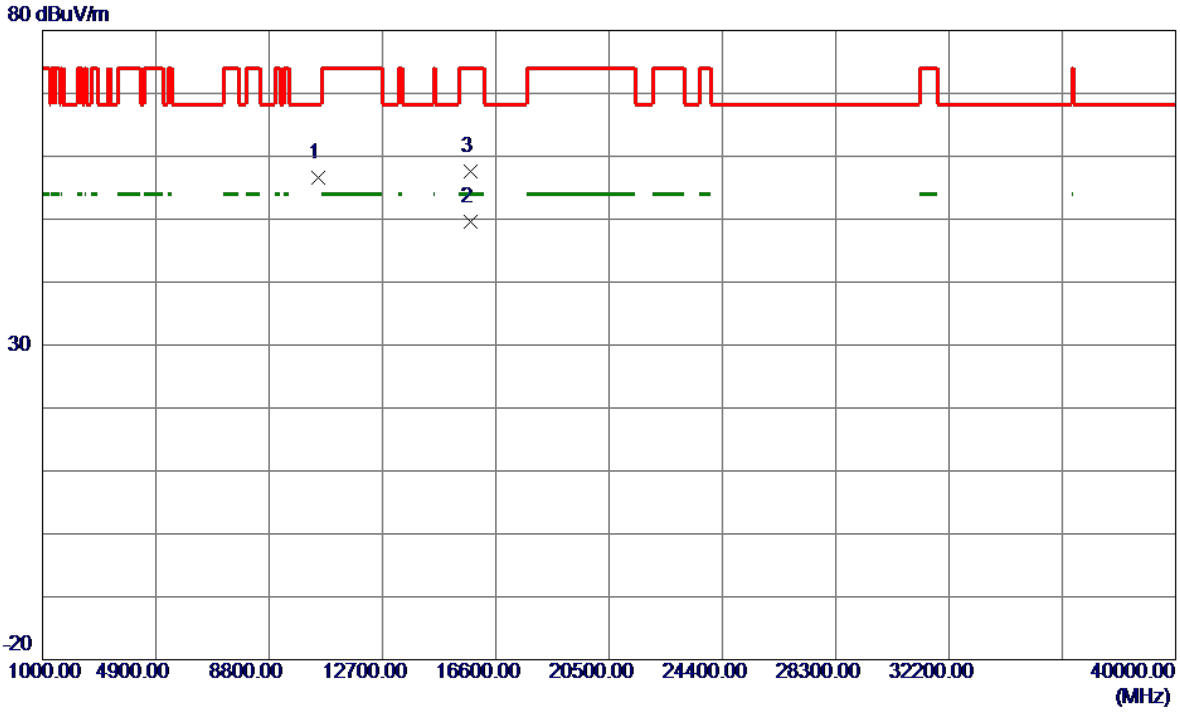
Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	28.01	37.88	65.89	74.00	-8.11	Peak	
2	5150.0000	16.07	37.88	53.95	54.00	-0.05	AVG	
3 *	5238.4500	82.74	37.62	120.36	68.20	52.16	Peak	No limit
4	5238.4500	76.19	37.62	113.81	999.00	-885.19	AVG	No limit

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

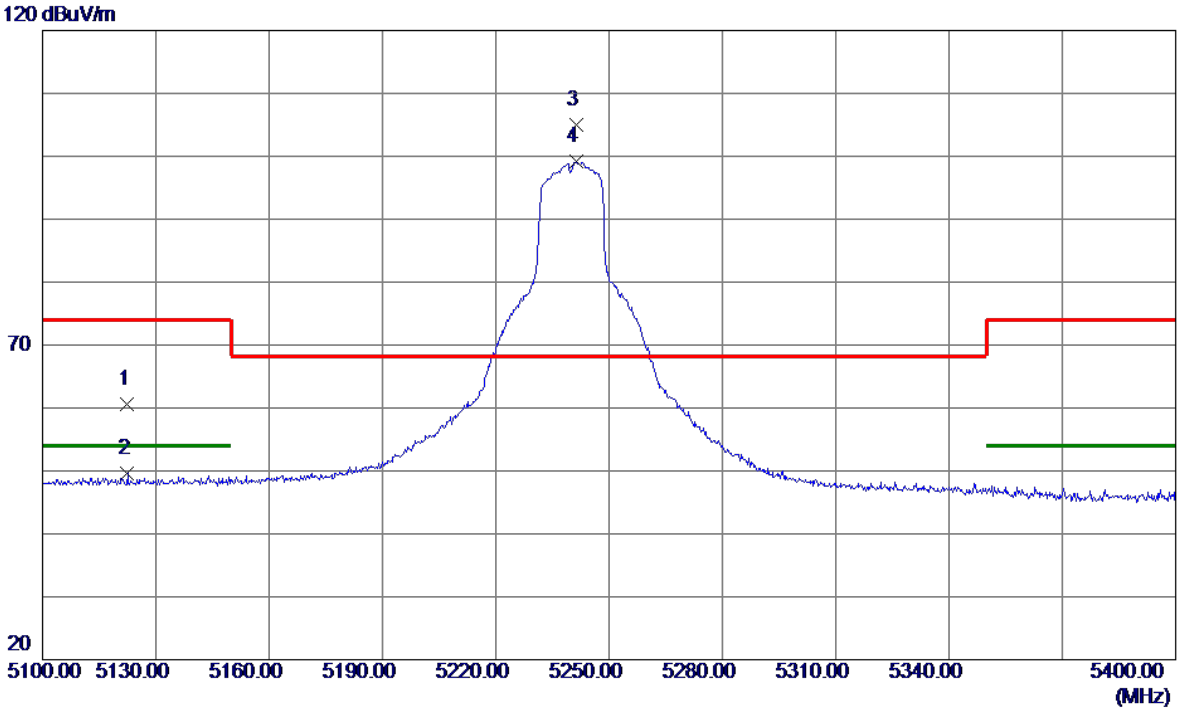
Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10475.0500	54.78	1.79	56.57	68.20	-11.63	Peak	
2 *	15721.5960	46.92	2.75	49.67	54.00	-4.33	AVG	
3	15722.5000	54.81	2.75	57.56	74.00	-16.44	Peak	

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

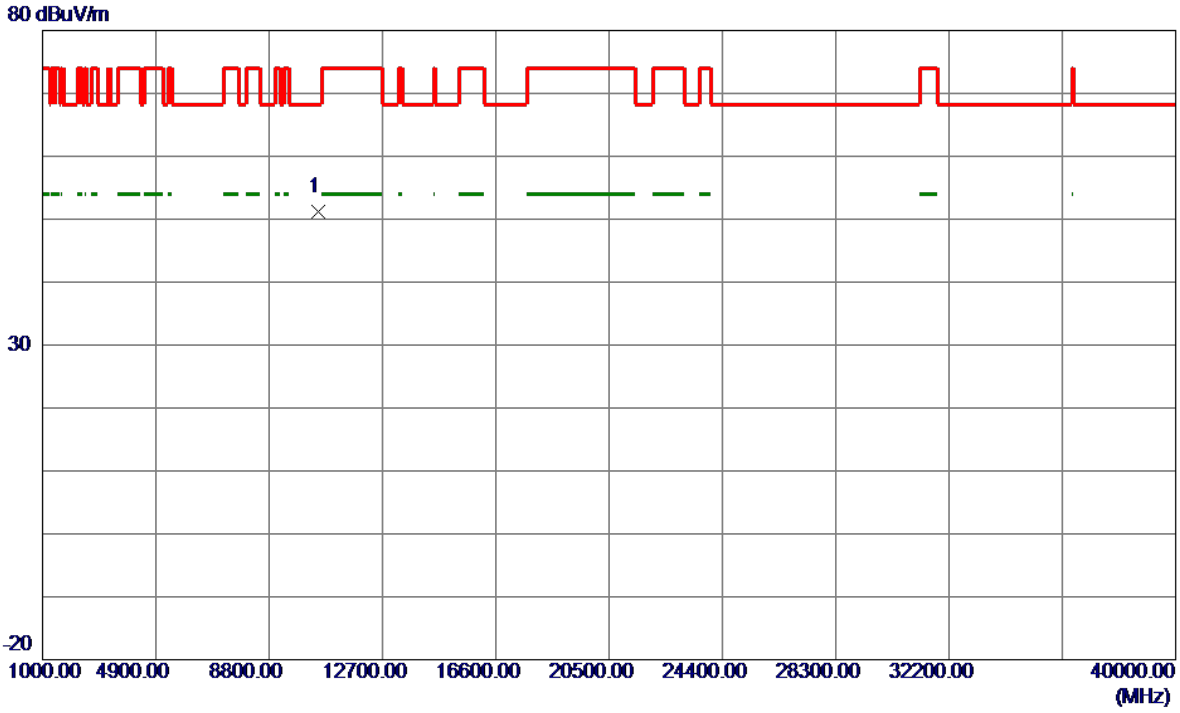
Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5122.5000	22.57	37.98	60.55	74.00	-13.45	Peak	
2	5122.5000	11.54	37.98	49.52	54.00	-4.48	AVG	
3 *	5241.3000	67.47	37.62	105.09	68.20	36.89	Peak	No limit
4	5241.3000	61.49	37.62	99.11	999.00	-899.89	AVG	No limit

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

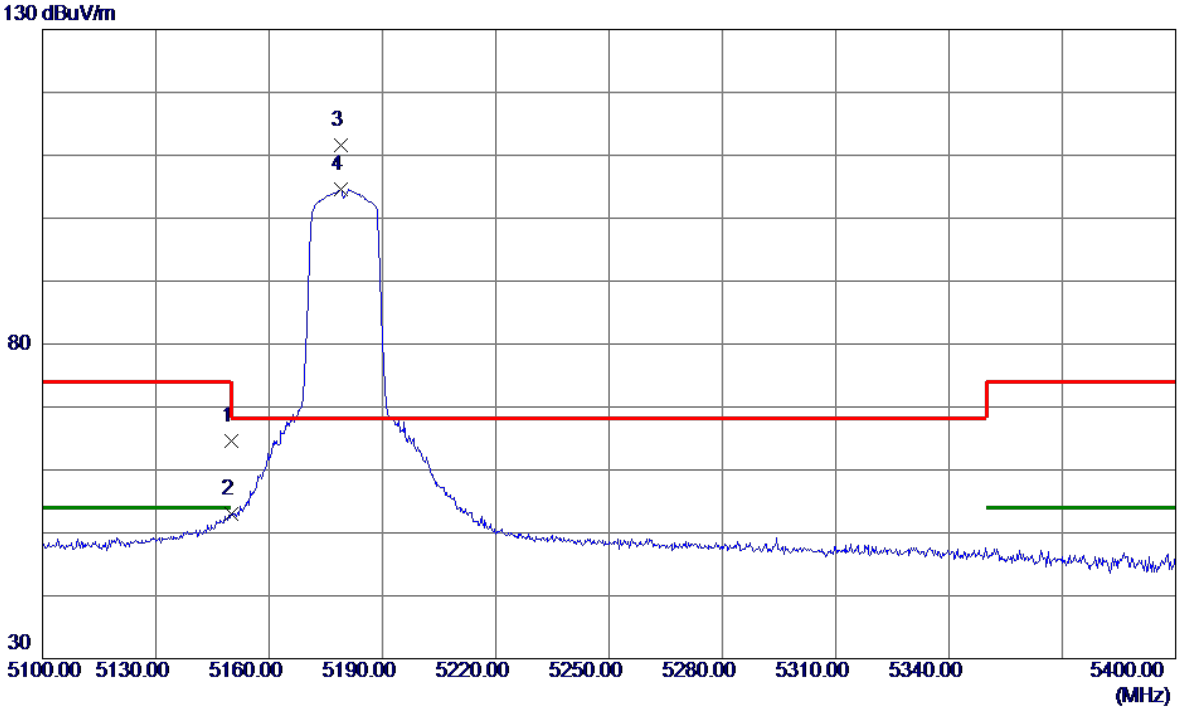
Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10478.9500	49.38	1.80	51.18	68.20	-17.02	Peak	

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

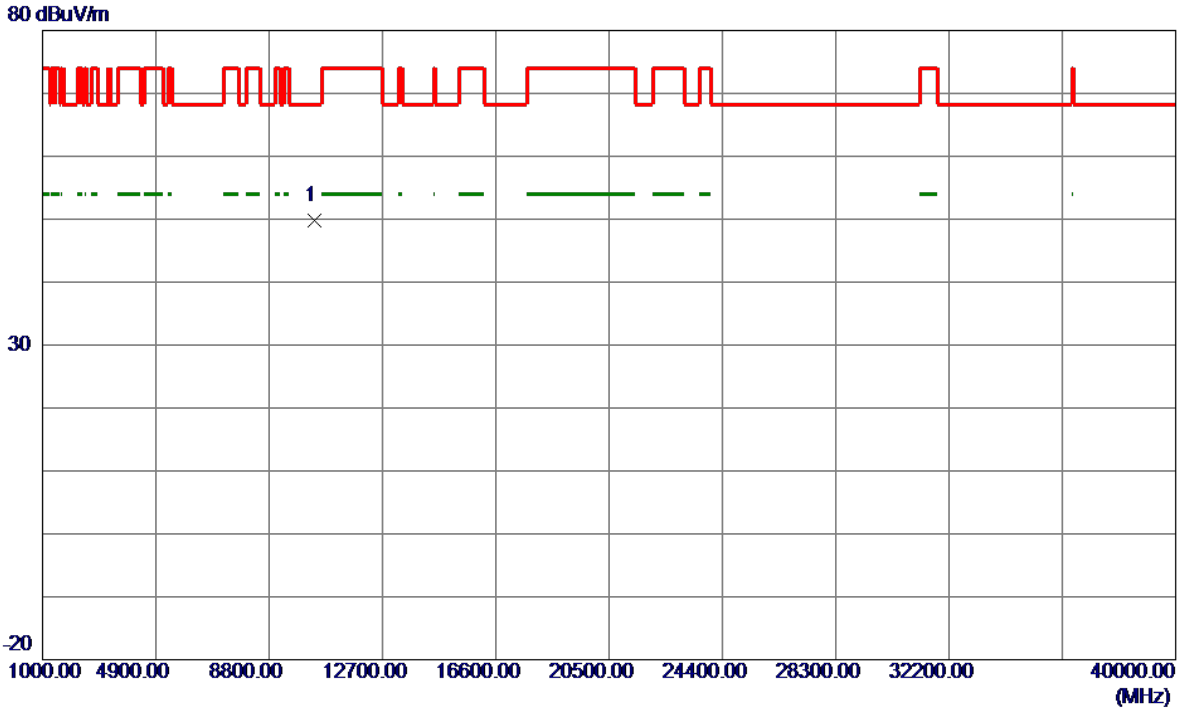
Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	26.72	37.88	64.60	74.00	-9.40	Peak	
2	5150.0000	15.15	37.88	53.03	54.00	-0.97	AVG	
3 *	5178.9000	73.85	37.76	111.61	68.20	43.41	Peak	No limit
4	5178.9000	66.82	37.76	104.58	999.00	-894.42	AVG	No limit

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

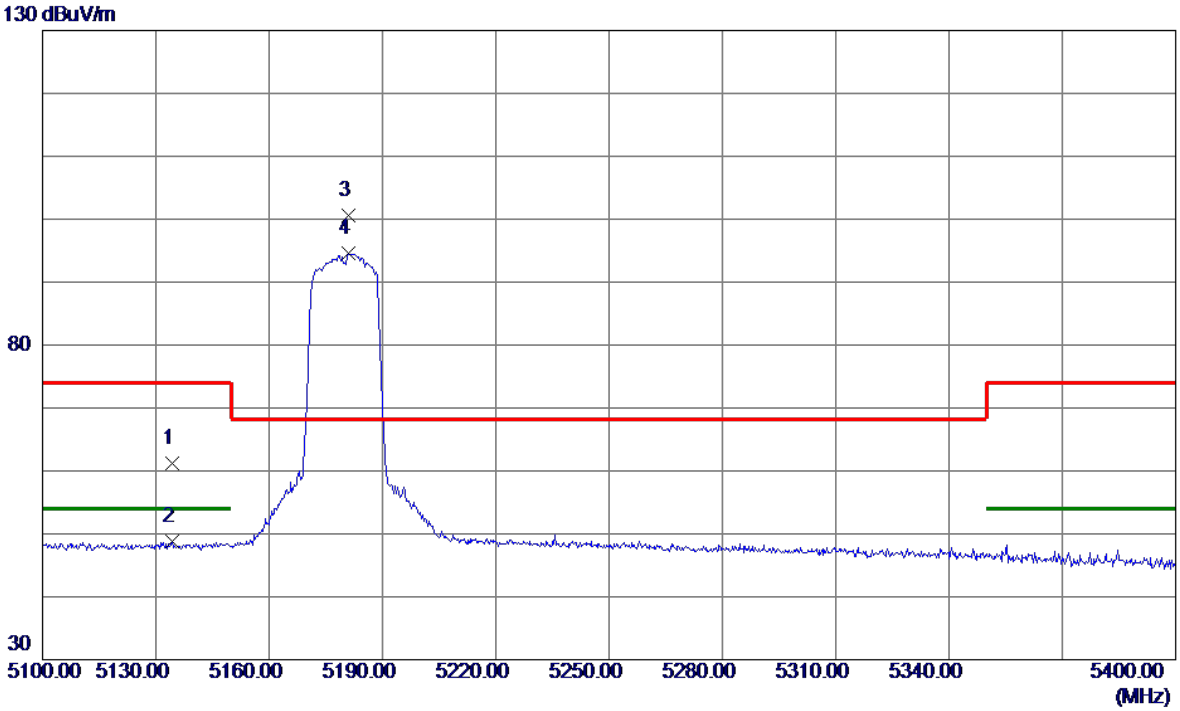
Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10361.9500	48.20	1.65	49.85	68.20	-18.35	Peak	

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

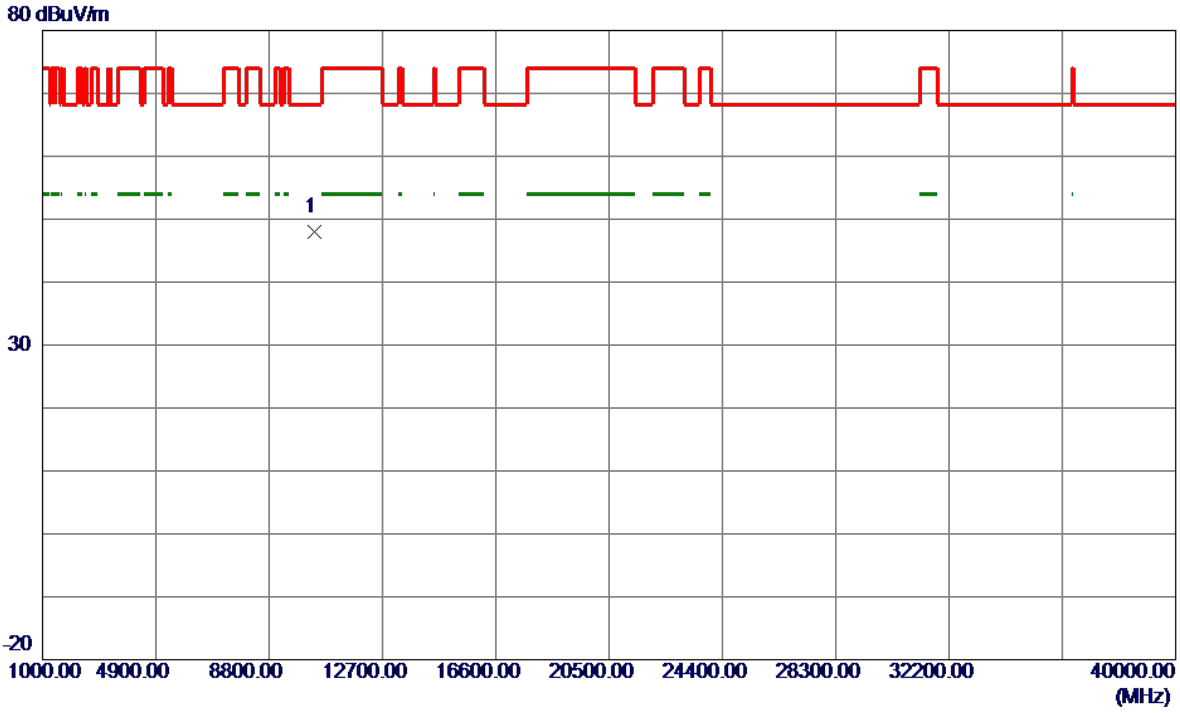
Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5134.3500	23.33	37.94	61.27	74.00	-12.73	Peak	
2	5134.3500	10.85	37.94	48.79	54.00	-5.21	AVG	
3 *	5181.0000	62.80	37.75	100.55	68.20	32.35	Peak	No limit
4	5181.0000	56.87	37.75	94.62	999.00	-904.38	AVG	No limit

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

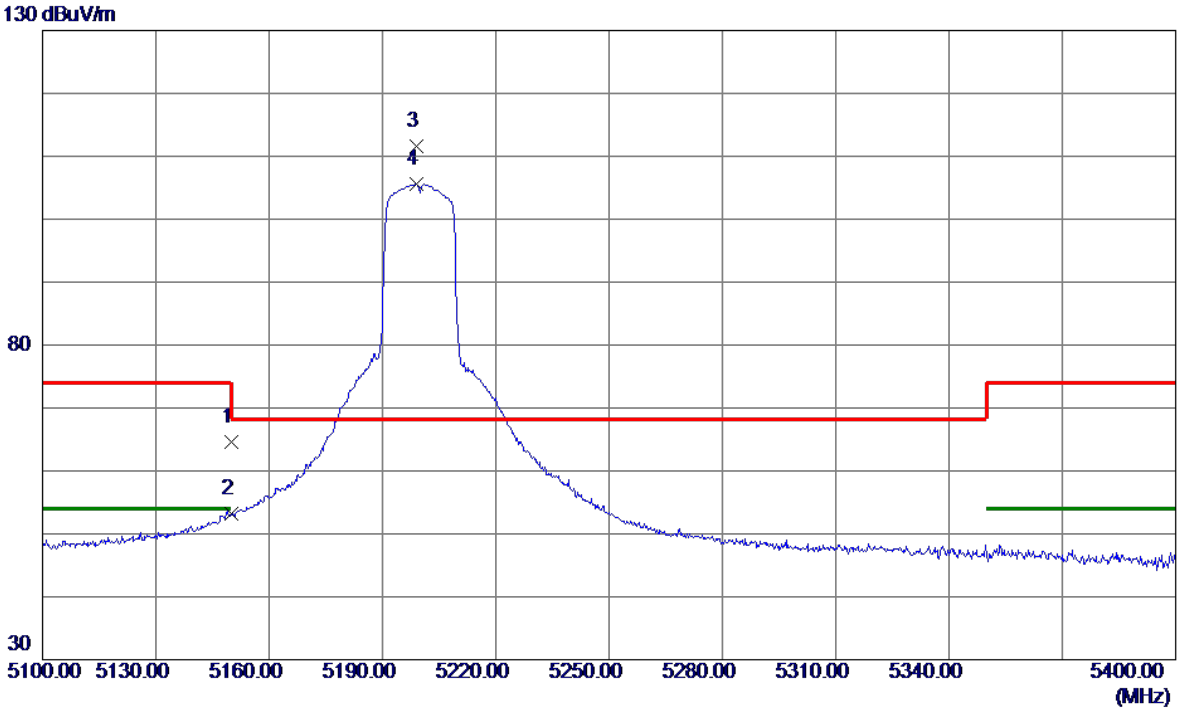
Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	46.40	1.65	48.05	68.20	-20.15	Peak	

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	26.74	37.88	64.62	74.00	-9.38	Peak	
2	5150.0000	15.32	37.88	53.20	54.00	-0.80	AVG	
3 *	5198.8500	73.95	37.68	111.63	68.20	43.43	Peak	No limit
4	5198.8500	67.97	37.68	105.65	999.00	-893.35	AVG	No limit

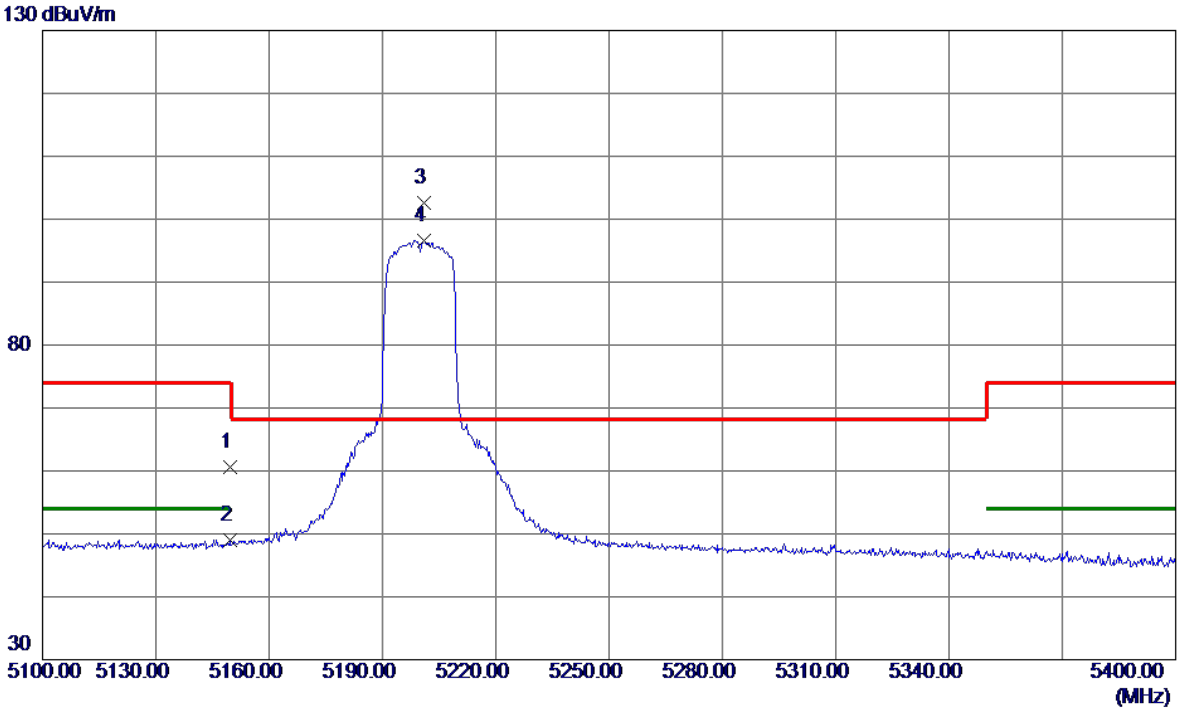
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10406.8000	50.17	1.73	51.90	68.20	-16.30	Peak	
2	15615.2500	48.00	2.85	50.85	74.00	-23.15	Peak	

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

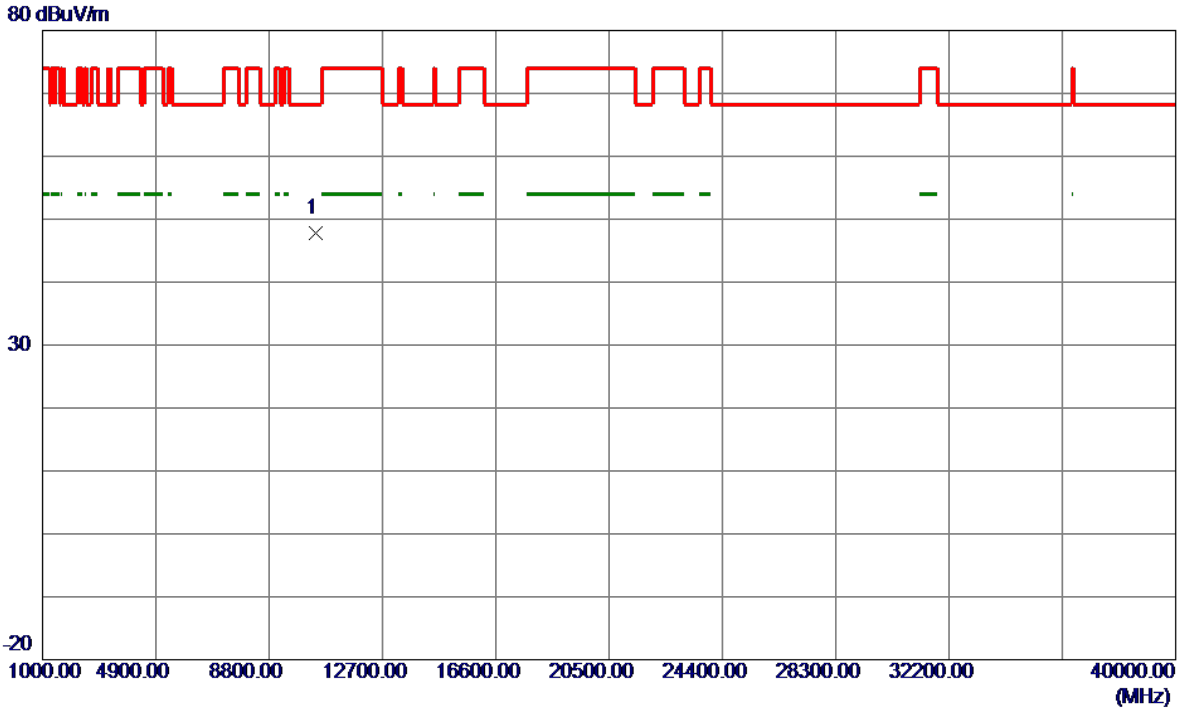
Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5149.6500	22.79	37.88	60.67	74.00	-13.33	Peak	
2	5149.6500	11.11	37.88	48.99	54.00	-5.01	AVG	
3 *	5200.9500	64.97	37.68	102.65	68.20	34.45	Peak	No limit
4	5200.9500	58.94	37.68	96.62	999.00	-902.38	AVG	No limit

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

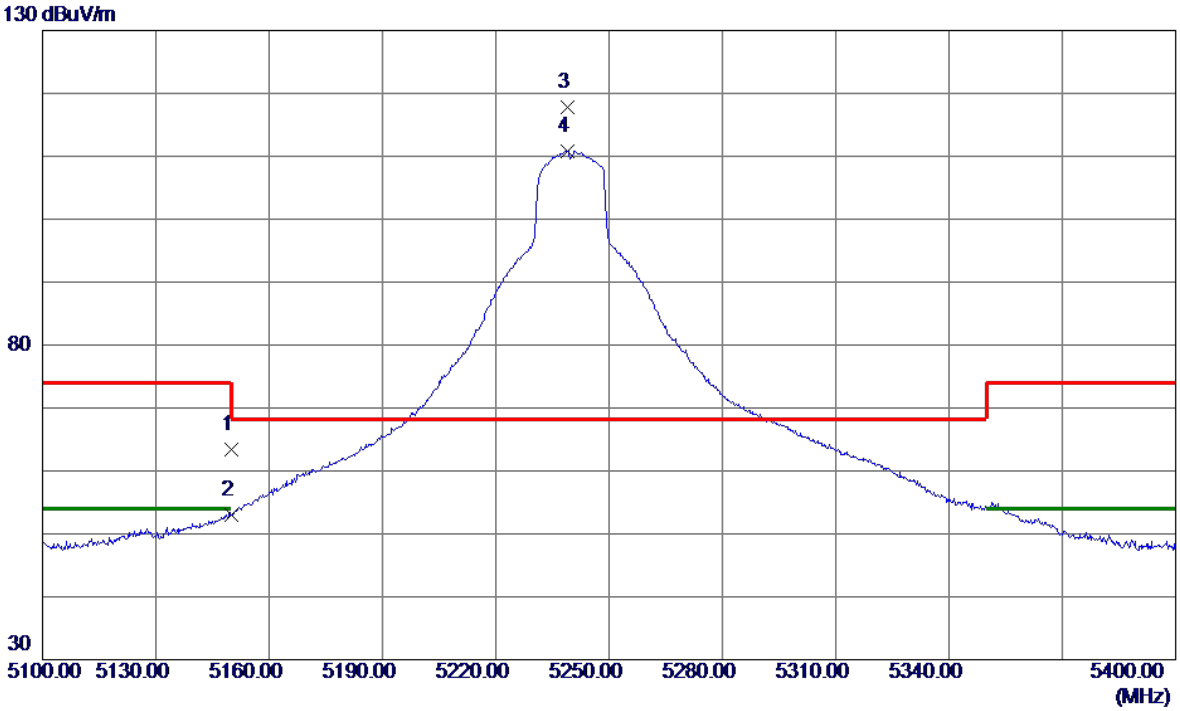
Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0000	46.08	1.72	47.80	68.20	-20.40	Peak	

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

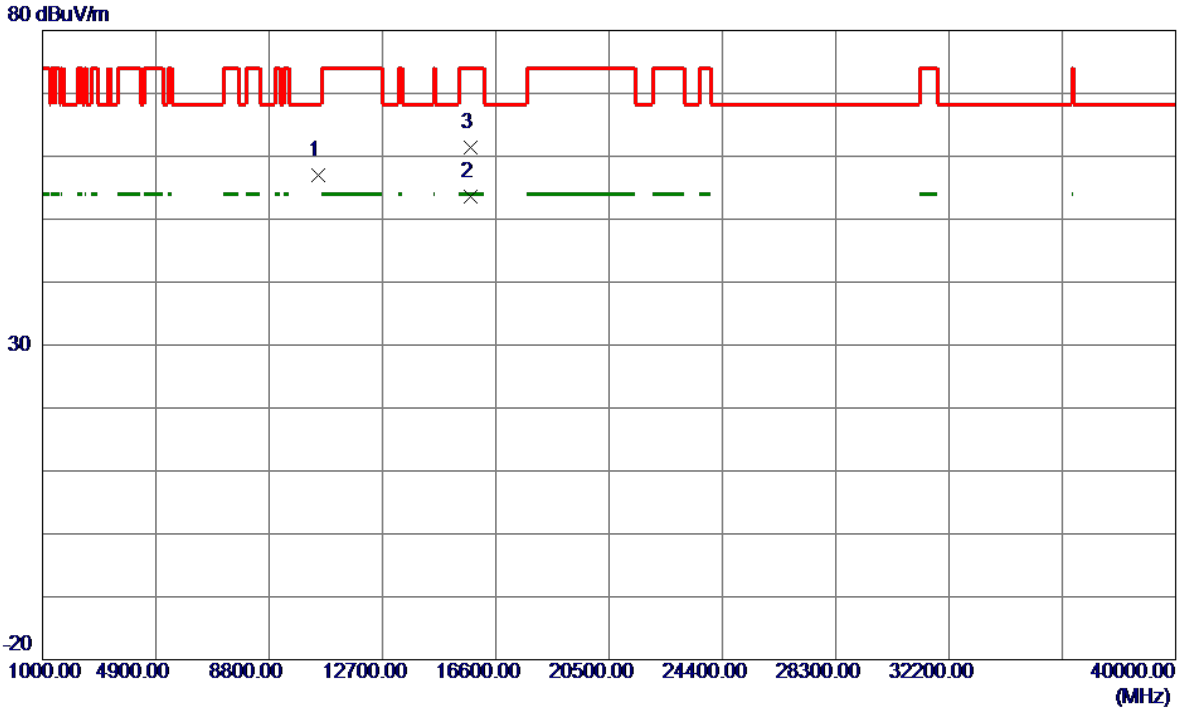
Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	25.43	37.88	63.31	74.00	-10.69	Peak	
2	5150.0000	15.03	37.88	52.91	54.00	-1.09	AVG	
3 *	5239.0500	80.14	37.62	117.76	68.20	49.56	Peak	No limit
4	5239.0500	73.18	37.62	110.80	999.00	-888.20	AVG	No limit

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

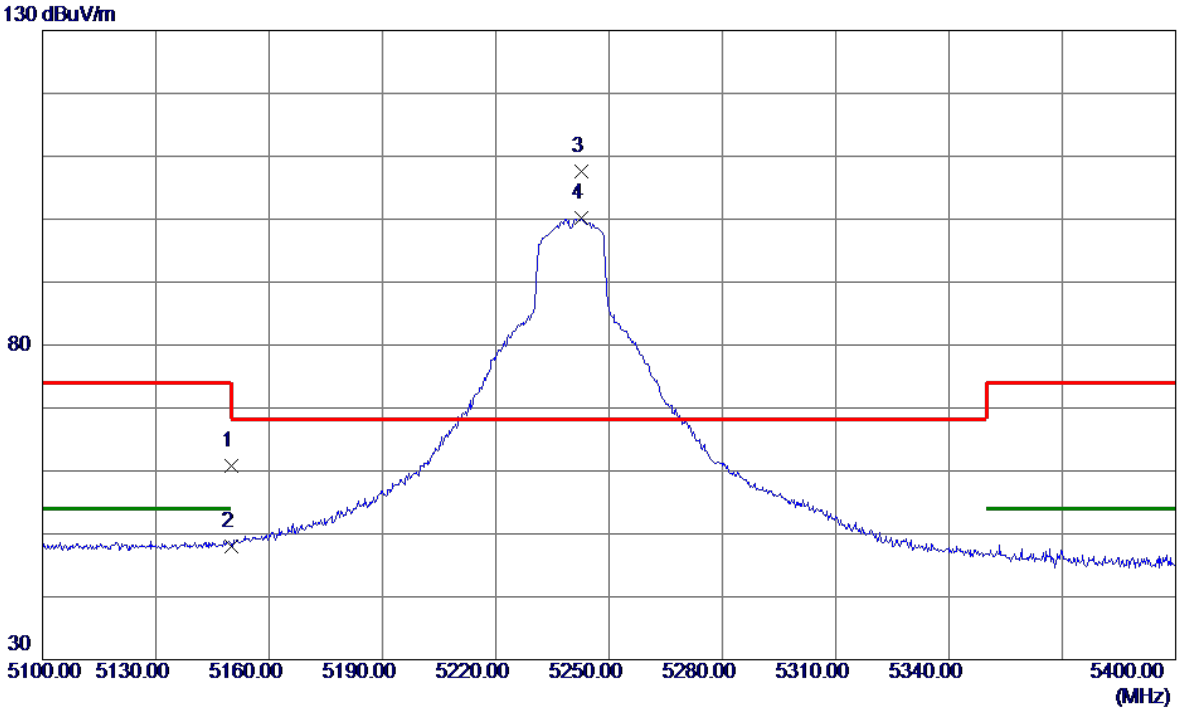
Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10477.0000	55.25	1.80	57.05	68.20	-11.15	Peak	
2 *	15724.5050	50.79	2.74	53.53	54.00	-0.47	AVG	
3	15730.3000	58.74	2.74	61.48	74.00	-12.52	Peak	

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

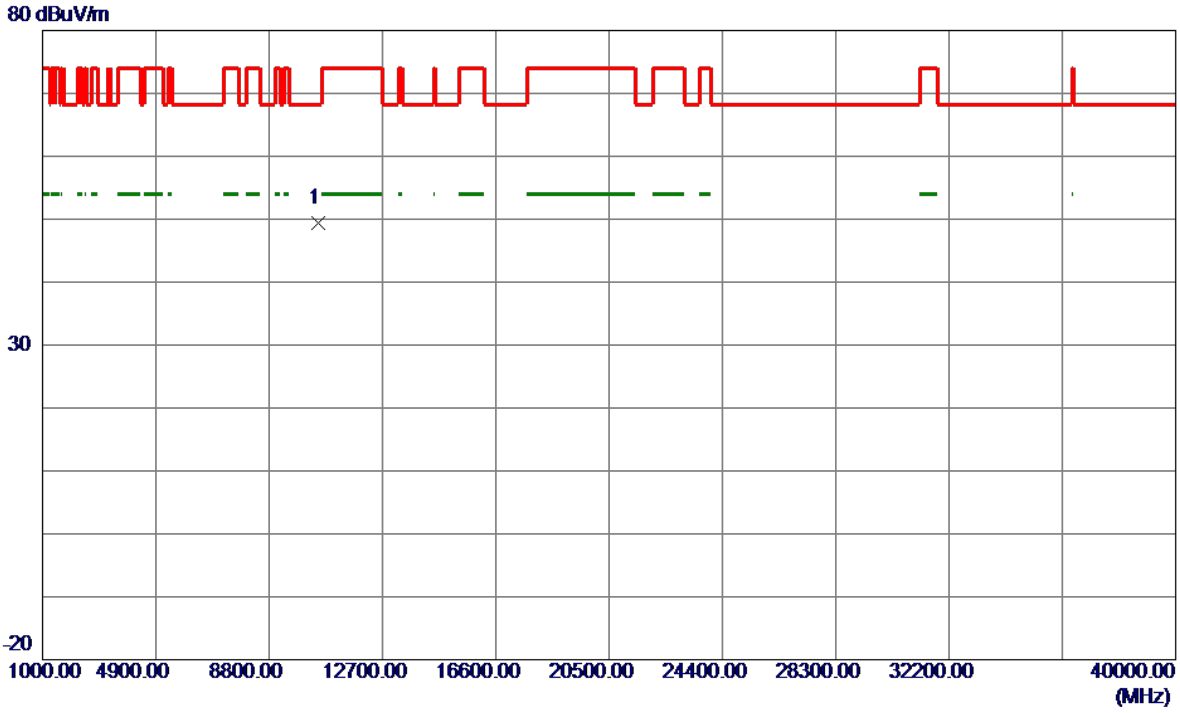
Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.98	37.88	60.86	74.00	-13.14	Peak	
2	5150.0000	10.06	37.88	47.94	54.00	-6.06	AVG	
3 *	5242.6500	70.04	37.62	107.66	68.20	39.46	Peak	No limit
4	5242.6500	62.61	37.62	100.23	999.00	-898.77	AVG	No limit

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

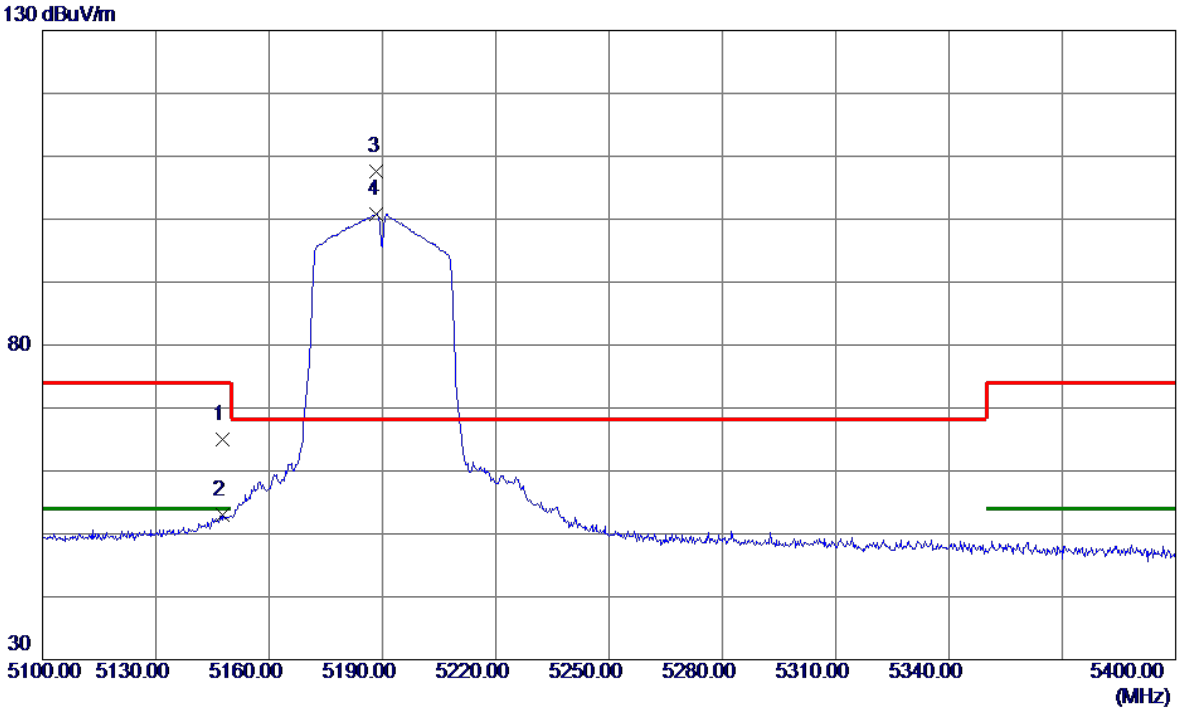
Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10478.9500	47.60	1.80	49.40	68.20	-18.80	Peak	

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

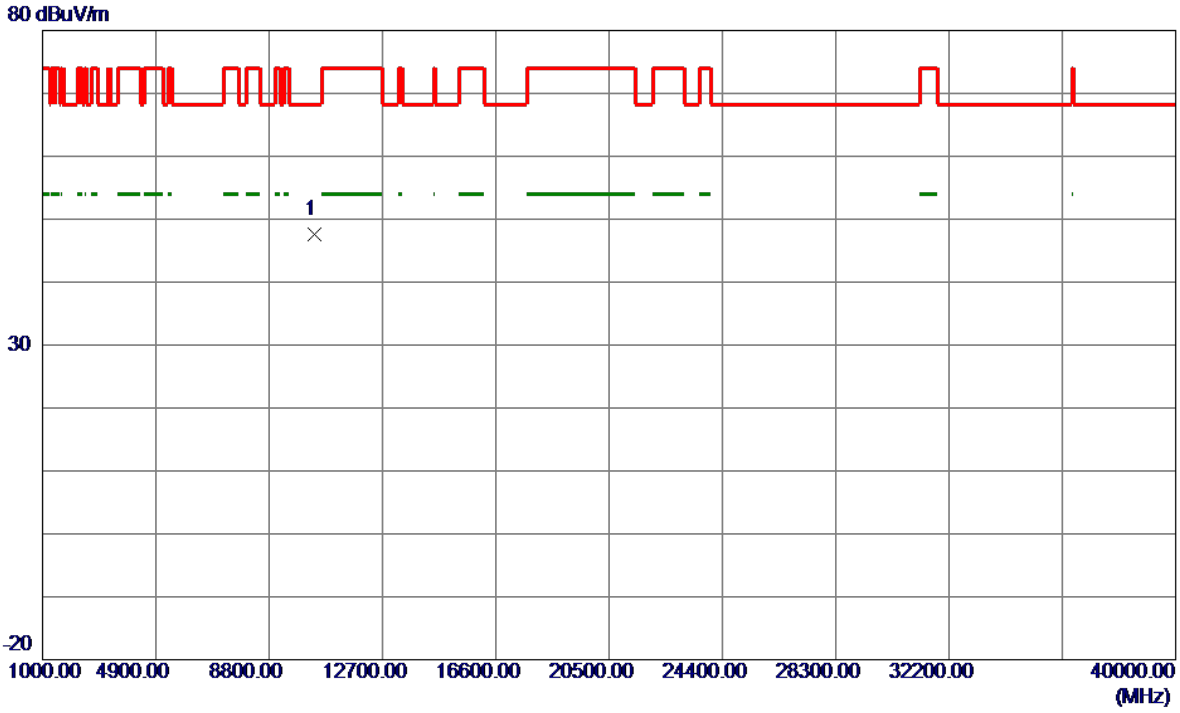
Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5147.7000	27.10	37.88	64.98	74.00	-9.02	Peak	
2	5147.7000	15.17	37.88	53.05	54.00	-0.95	AVG	
3 *	5188.5000	69.96	37.72	107.68	68.20	39.48	Peak	No limit
4	5188.5000	63.13	37.72	100.85	999.00	-898.15	AVG	No limit

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

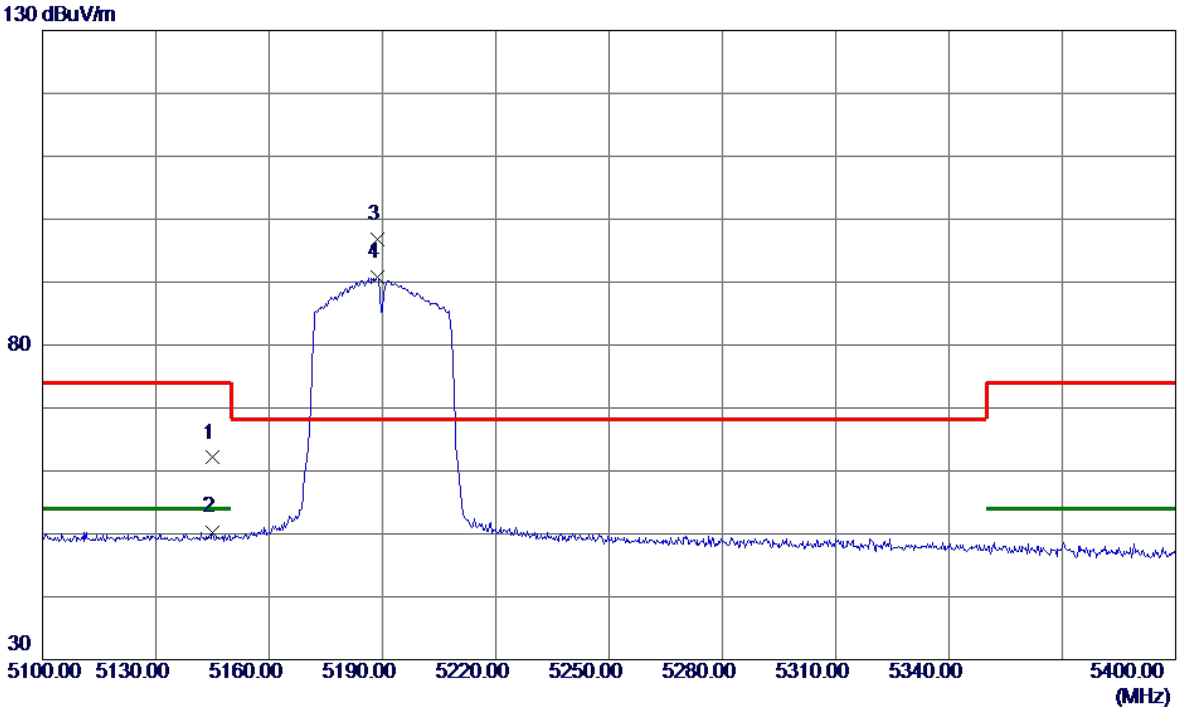
Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	45.94	1.68	47.62	68.20	-20.58	Peak	

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

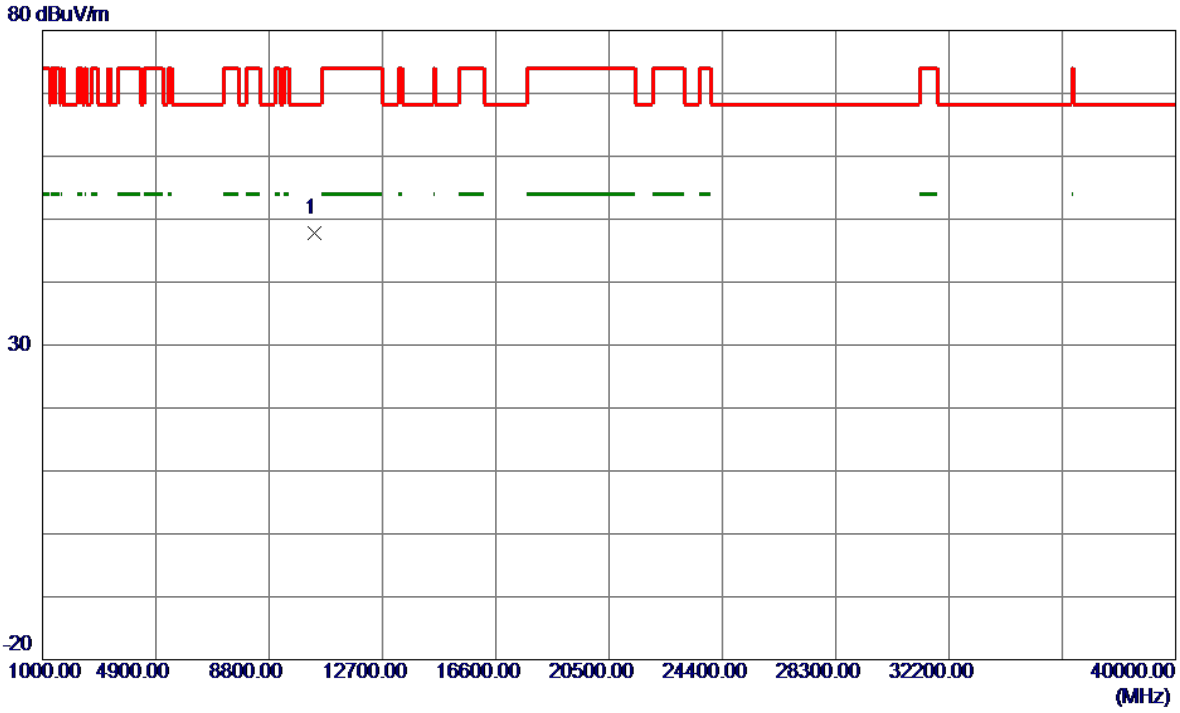
Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5145.0000	24.21	37.89	62.10	74.00	-11.90	Peak	
2	5145.0000	12.41	37.89	50.30	54.00	-3.70	AVG	
3 *	5188.8000	59.07	37.72	96.79	68.20	28.59	Peak	No limit
4	5188.8000	53.15	37.72	90.87	999.00	-908.13	AVG	No limit

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

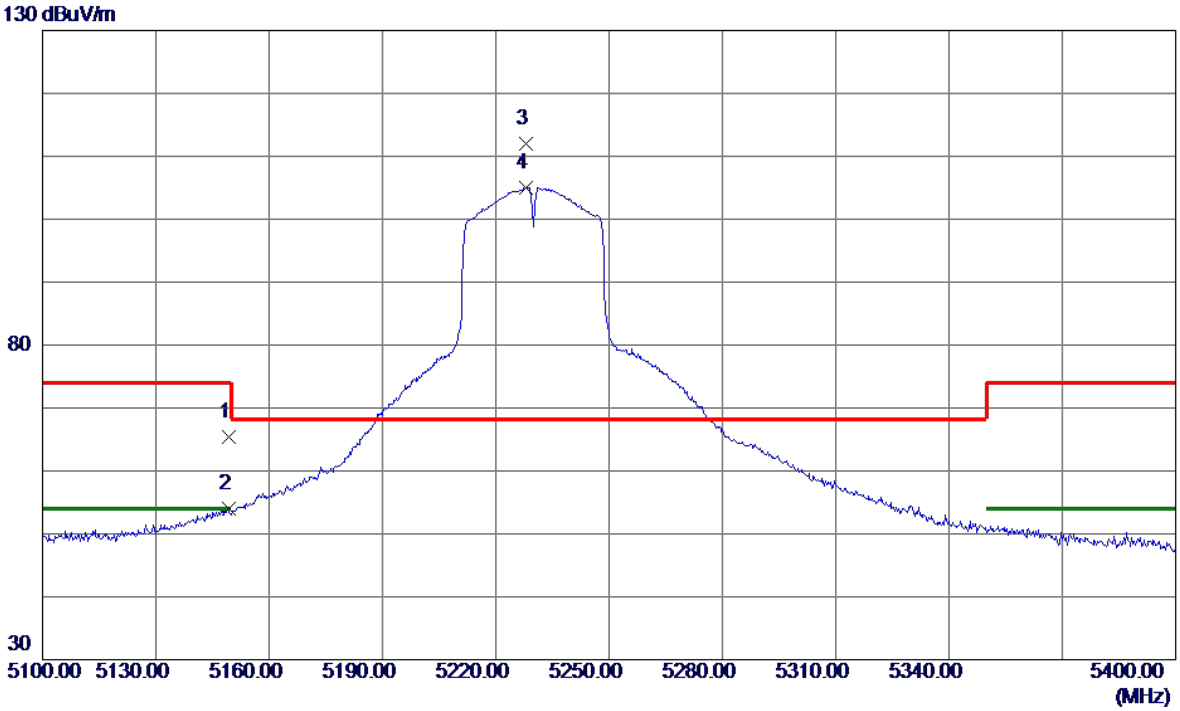
Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	46.13	1.68	47.81	68.20	-20.39	Peak	

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

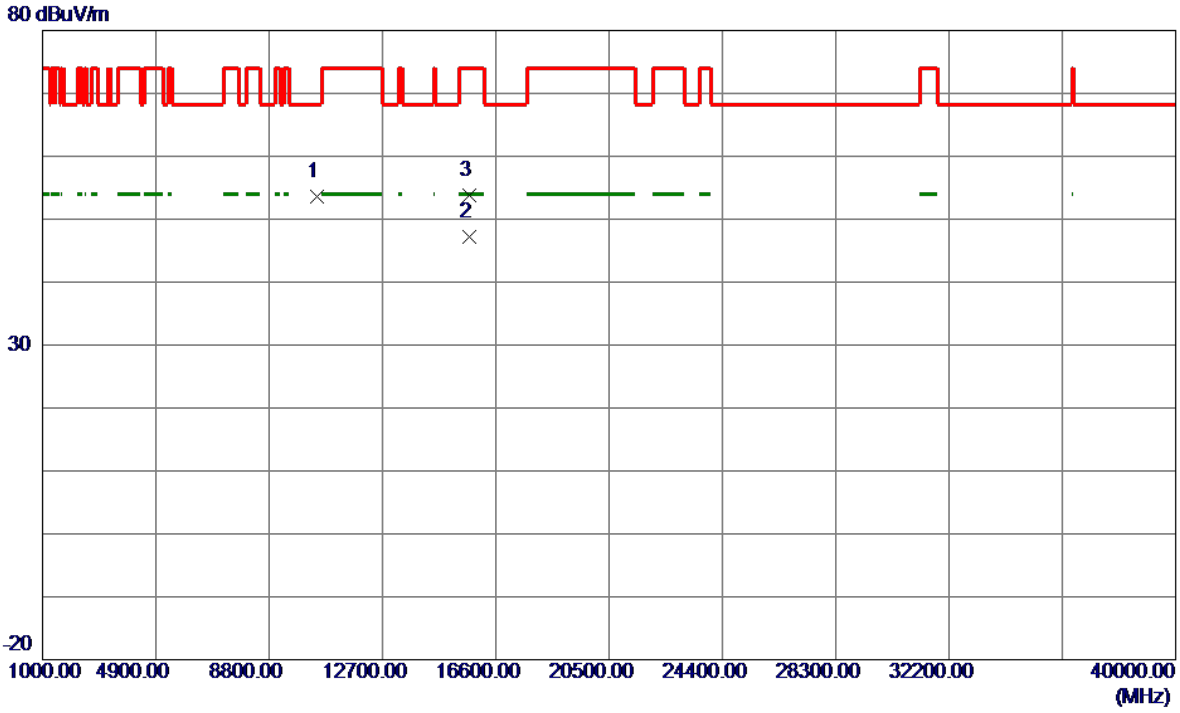
Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5149.2000	27.57	37.88	65.45	74.00	-8.55	Peak	
2	5149.2000	16.08	37.88	53.96	54.00	-0.04	AVG	
3 *	5228.1000	74.33	37.64	111.97	68.20	43.77	Peak	No limit
4	5228.1000	67.42	37.64	105.06	999.00	-893.94	AVG	No limit

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

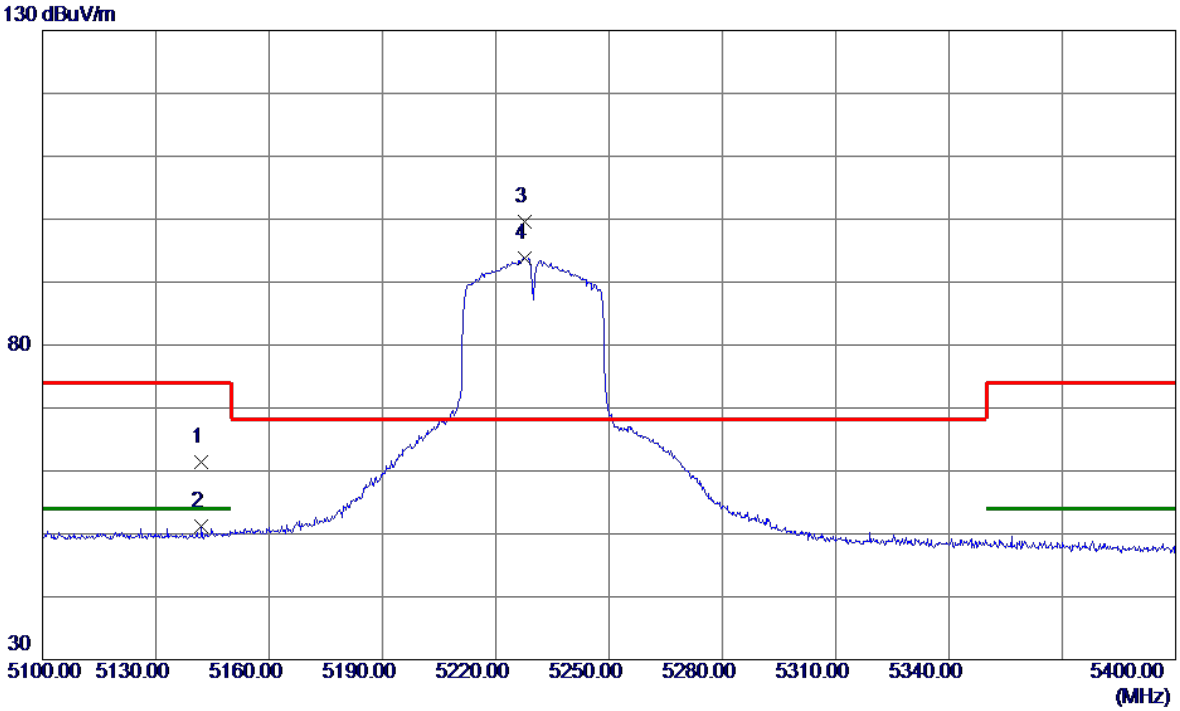
Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10461.4000	51.84	1.78	53.62	68.20	-14.58	Peak	
2 *	15682.7800	44.41	2.79	47.20	54.00	-6.80	AVG	
3	15691.3000	50.94	2.78	53.72	74.00	-20.28	Peak	

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

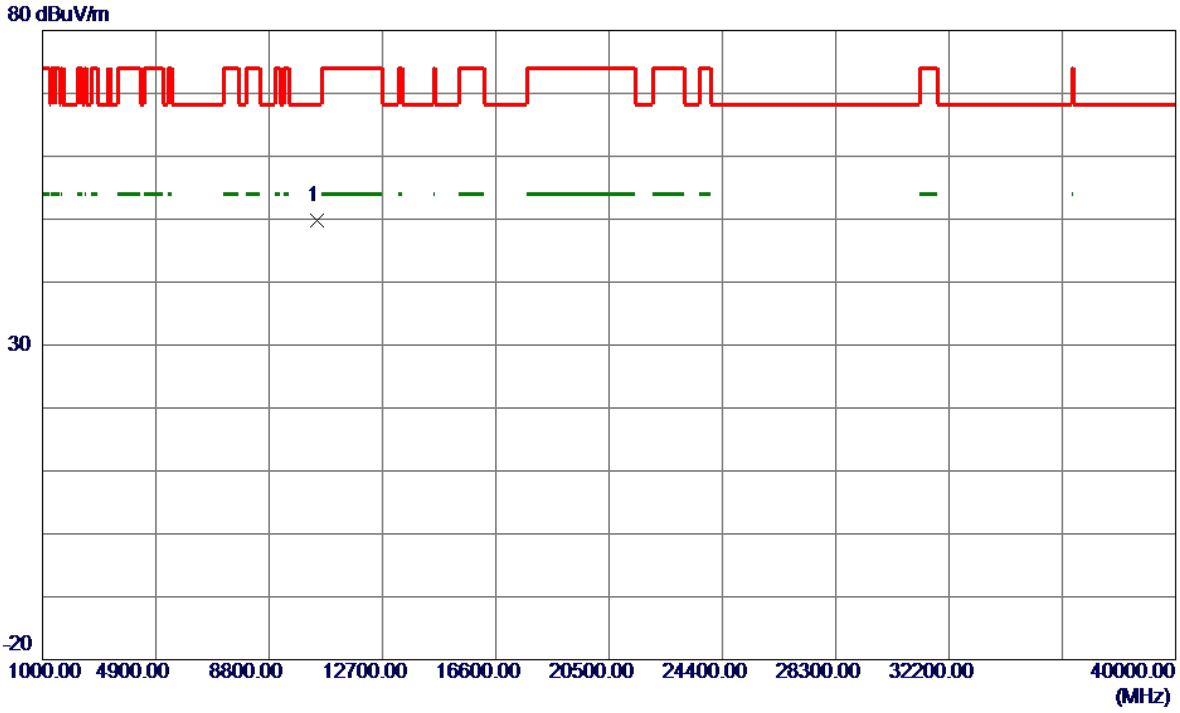
Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5142.0000	23.54	37.91	61.45	74.00	-12.55	Peak	
2	5142.0000	13.29	37.91	51.20	54.00	-2.80	AVG	
3 *	5227.6500	61.93	37.64	99.57	68.20	31.37	Peak	No limit
4	5227.6500	56.23	37.64	93.87	999.00	-905.13	AVG	No limit

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

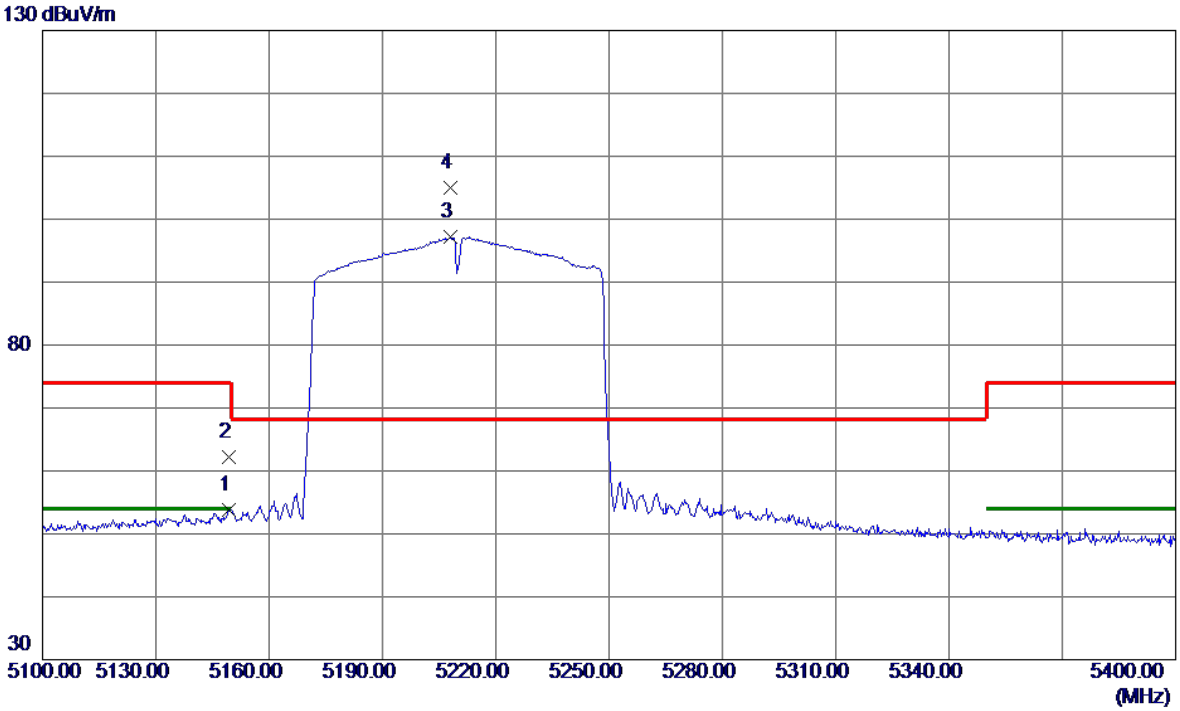
Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.0000	47.96	1.78	49.74	68.20	-18.46	Peak	

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

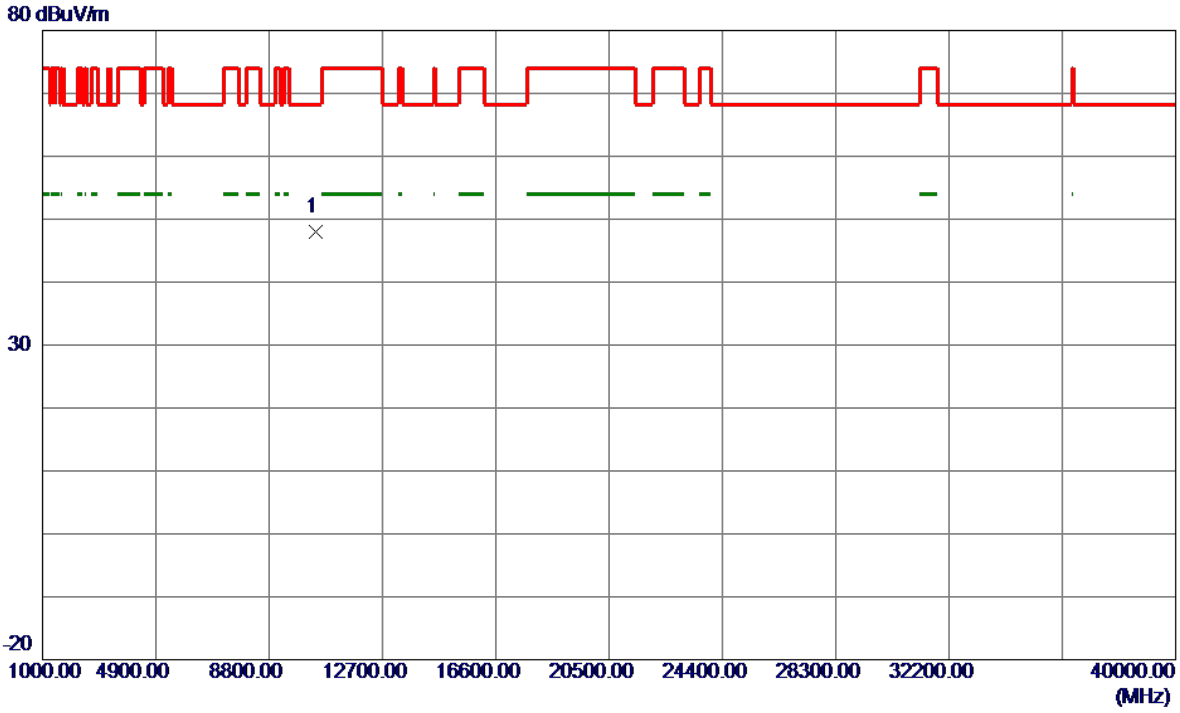
Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5149.3500	15.85	37.88	53.73	54.00	-0.27	AVG	
2	5149.3500	24.41	37.88	62.29	74.00	-11.71	Peak	
3	5208.0000	59.49	37.67	97.16	999.00	-901.84	AVG	No limit
4 *	5208.0000	67.24	37.67	104.91	68.20	36.71	Peak	No limit

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

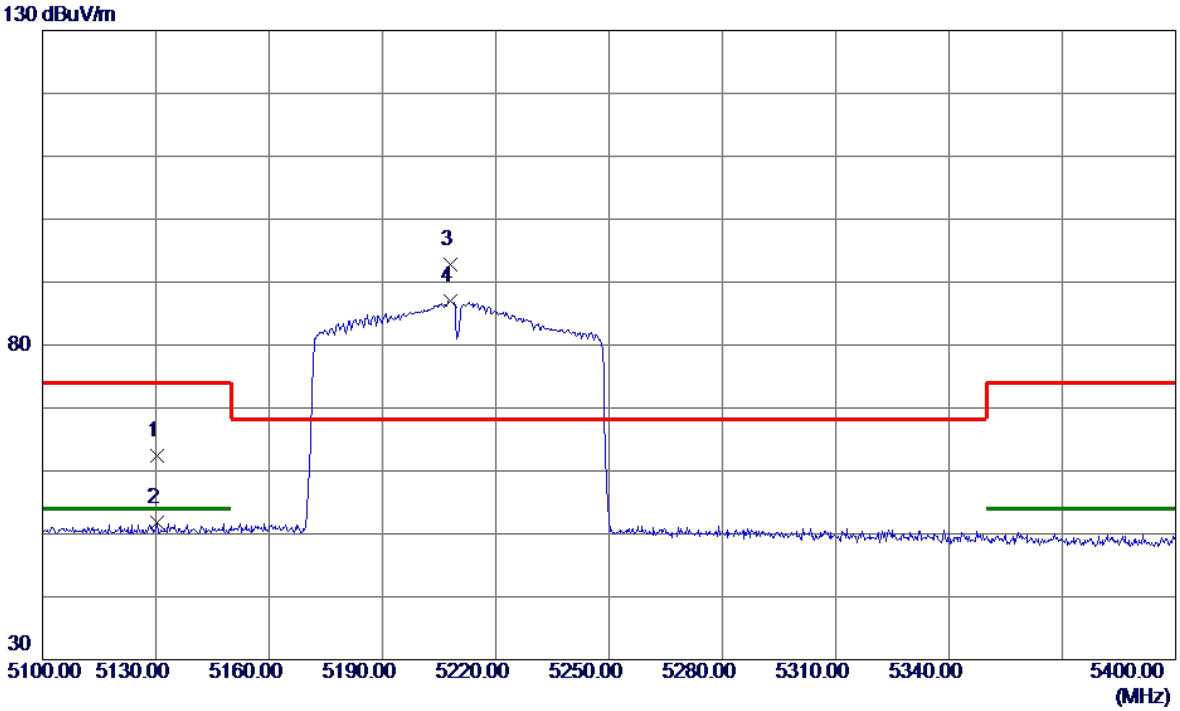
Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.0000	46.24	1.74	47.98	68.20	-20.22	Peak	

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

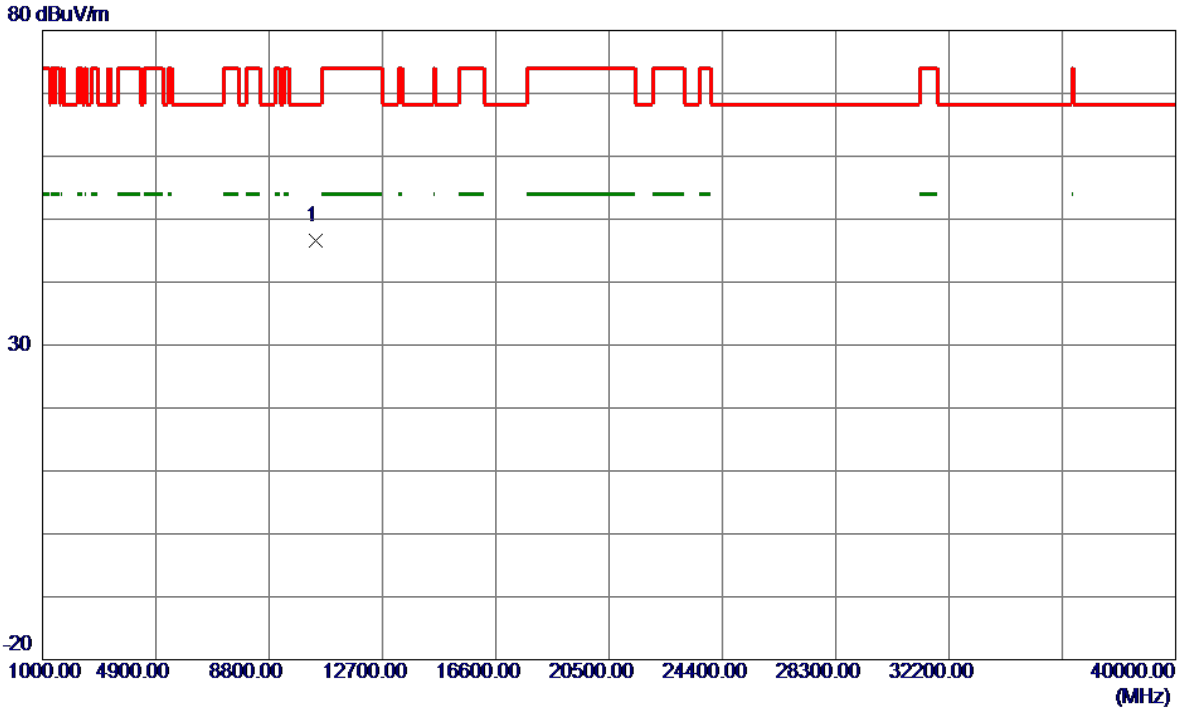
Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5130.3000	24.47	37.95	62.42	74.00	-11.58	Peak	
2	5130.3000	13.87	37.95	51.82	54.00	-2.18	AVG	
3 *	5208.1500	55.09	37.67	92.76	68.20	24.56	Peak	No limit
4	5208.1500	49.40	37.67	87.07	999.00	-911.93	AVG	No limit

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

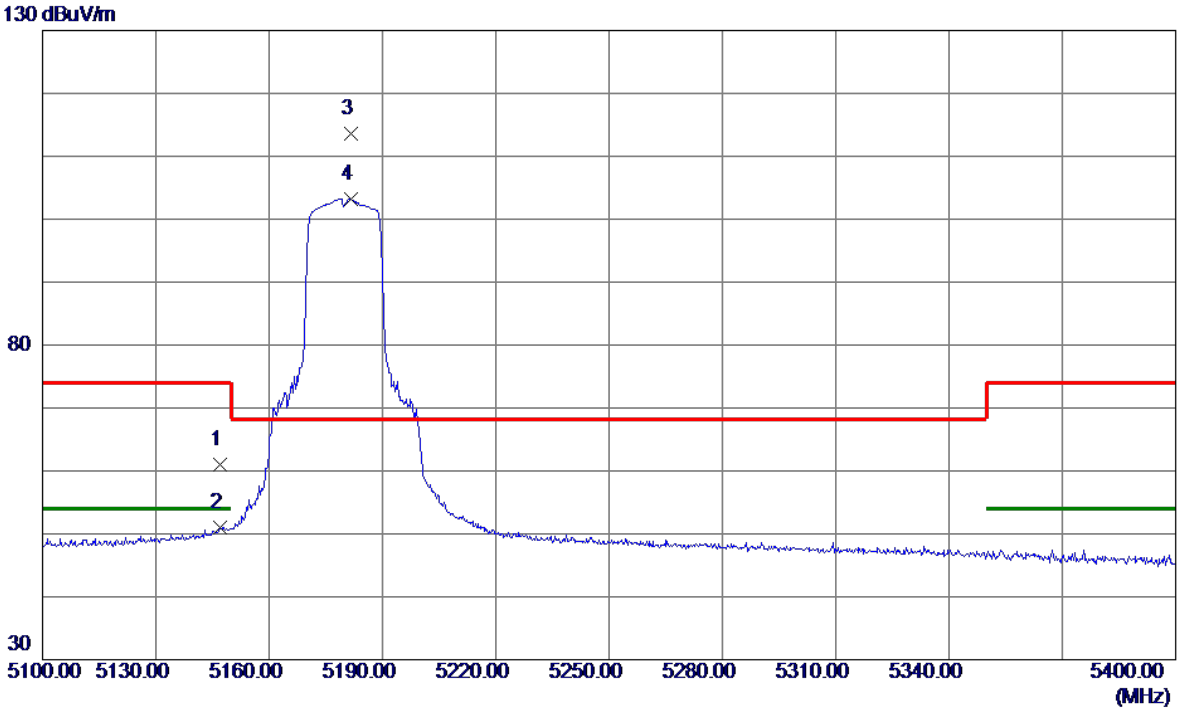
Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.0000	44.92	1.74	46.66	68.20	-21.54	Peak	

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

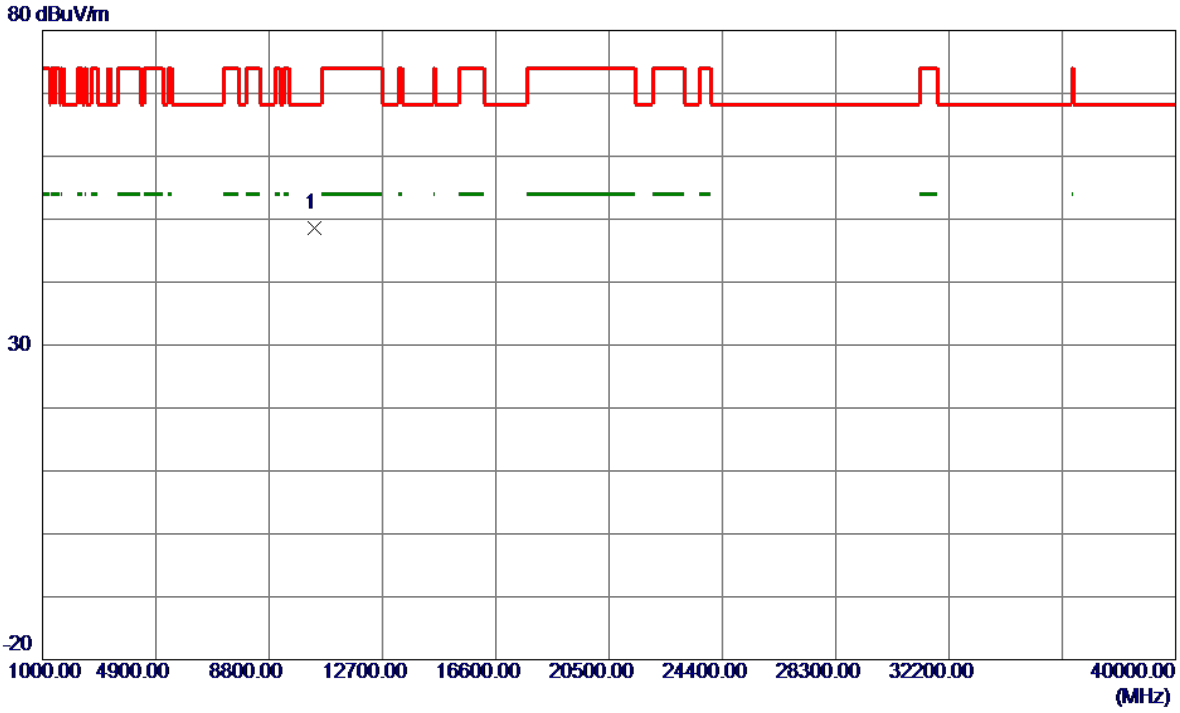
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5147.1000	23.05	37.89	60.94	74.00	-13.06	Peak	
2	5147.1000	13.11	37.89	51.00	54.00	-3.00	AVG	
3 *	5181.6000	75.83	37.75	113.58	68.20	45.38	Peak	No limit
4	5181.6000	65.47	37.75	103.22	999.00	-895.78	AVG	No limit

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

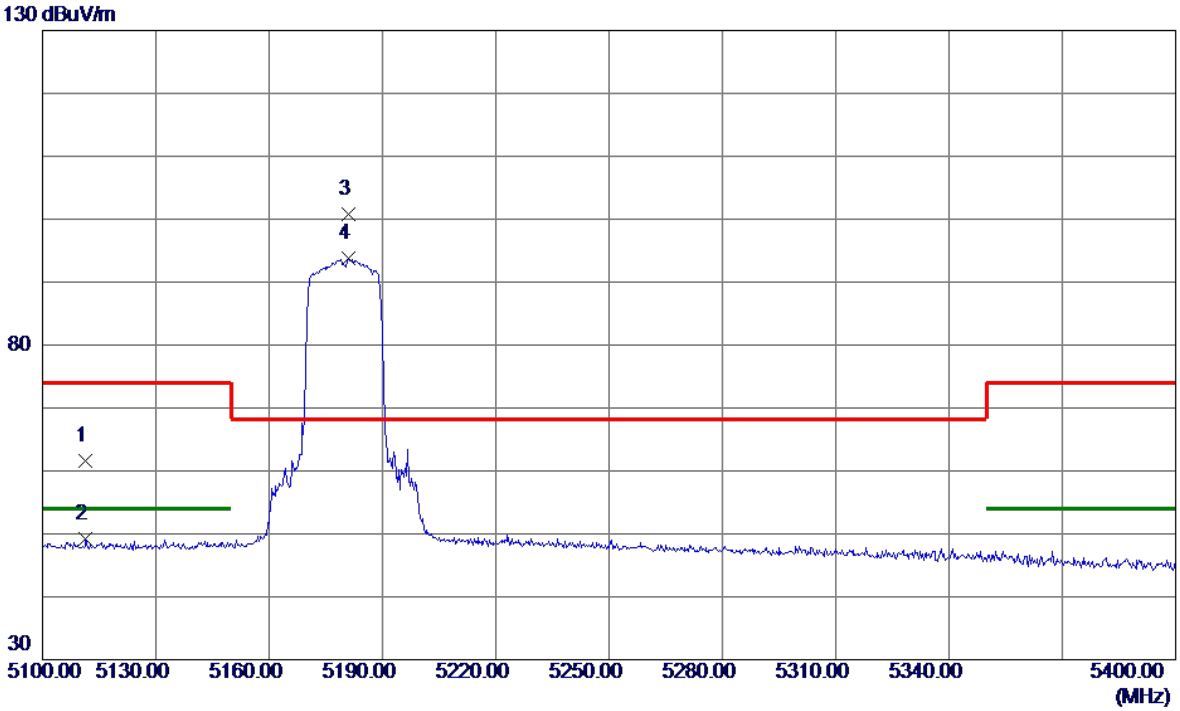
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	46.96	1.65	48.61	68.20	-19.59	Peak	

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

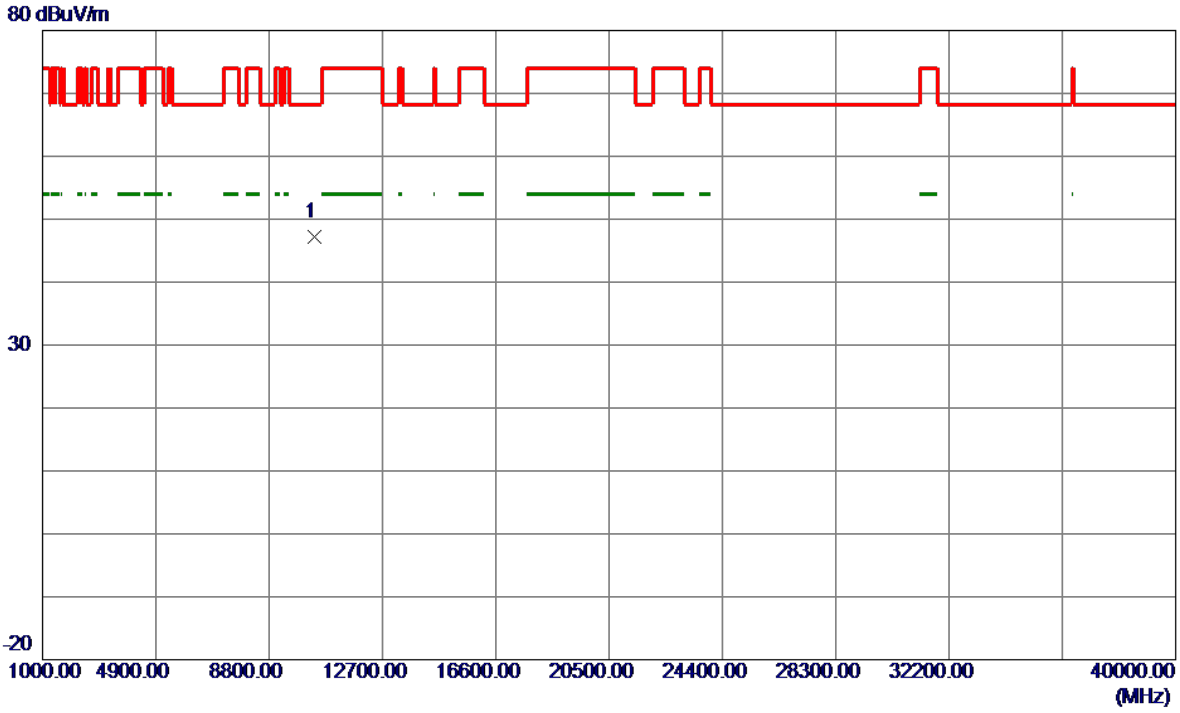
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5111.4000	23.62	38.03	61.65	74.00	-12.35	Peak	
2	5111.4000	11.24	38.03	49.27	54.00	-4.73	AVG	
3 *	5180.8500	63.09	37.75	100.84	68.20	32.64	Peak	No limit
4	5180.8500	56.00	37.75	93.75	999.00	-905.25	AVG	No limit

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

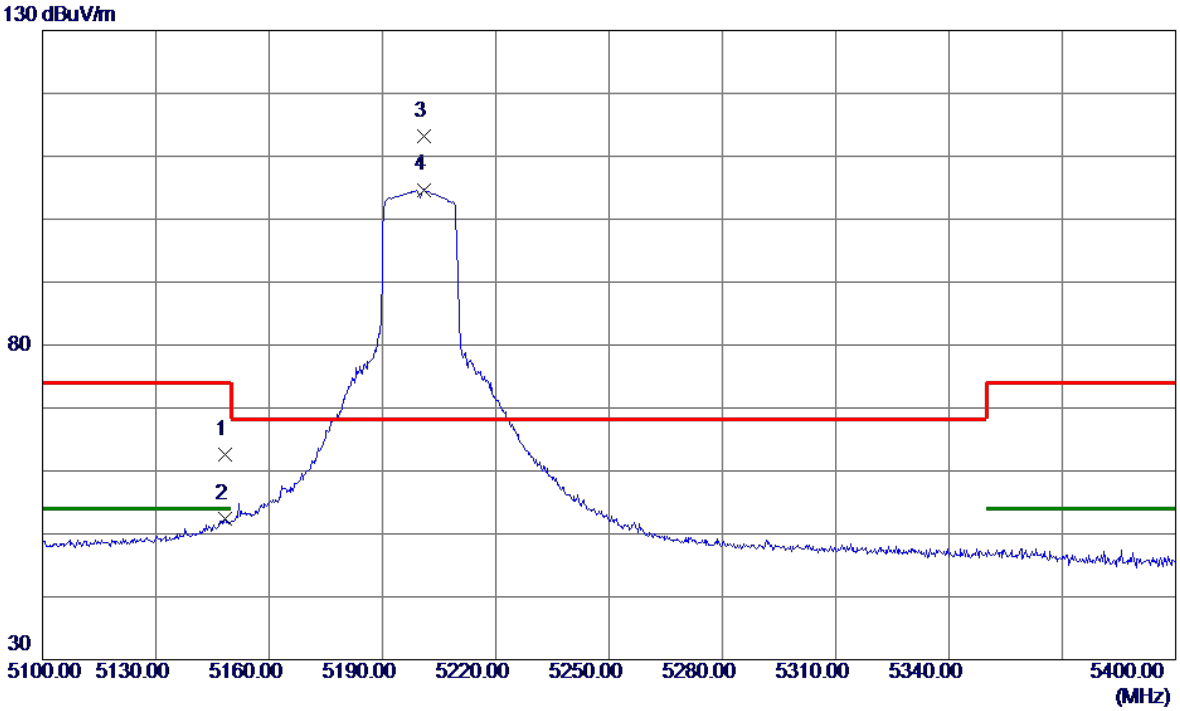
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0000	45.59	1.65	47.24	68.20	-20.96	Peak	

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

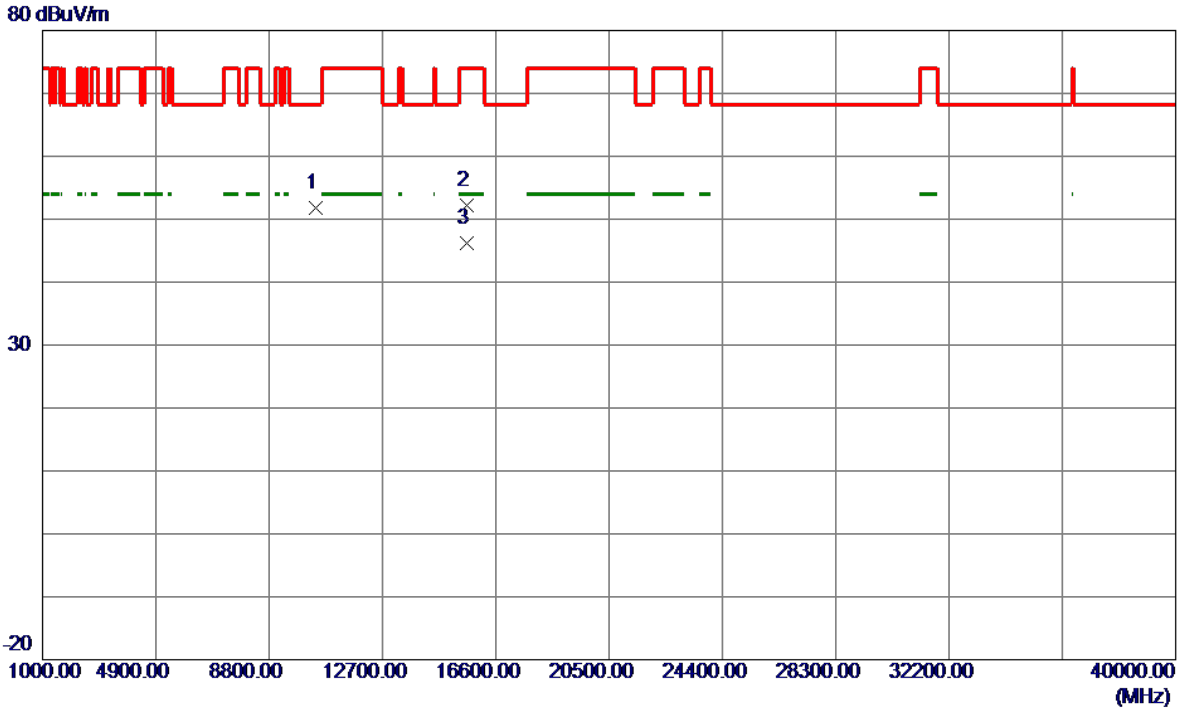
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5148.4500	24.63	37.88	62.51	74.00	-11.49	Peak	
2	5148.4500	14.43	37.88	52.31	54.00	-1.69	AVG	
3 *	5201.1000	75.57	37.68	113.25	68.20	45.05	Peak	No limit
4	5201.1000	67.02	37.68	104.70	999.00	-894.30	AVG	No limit

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

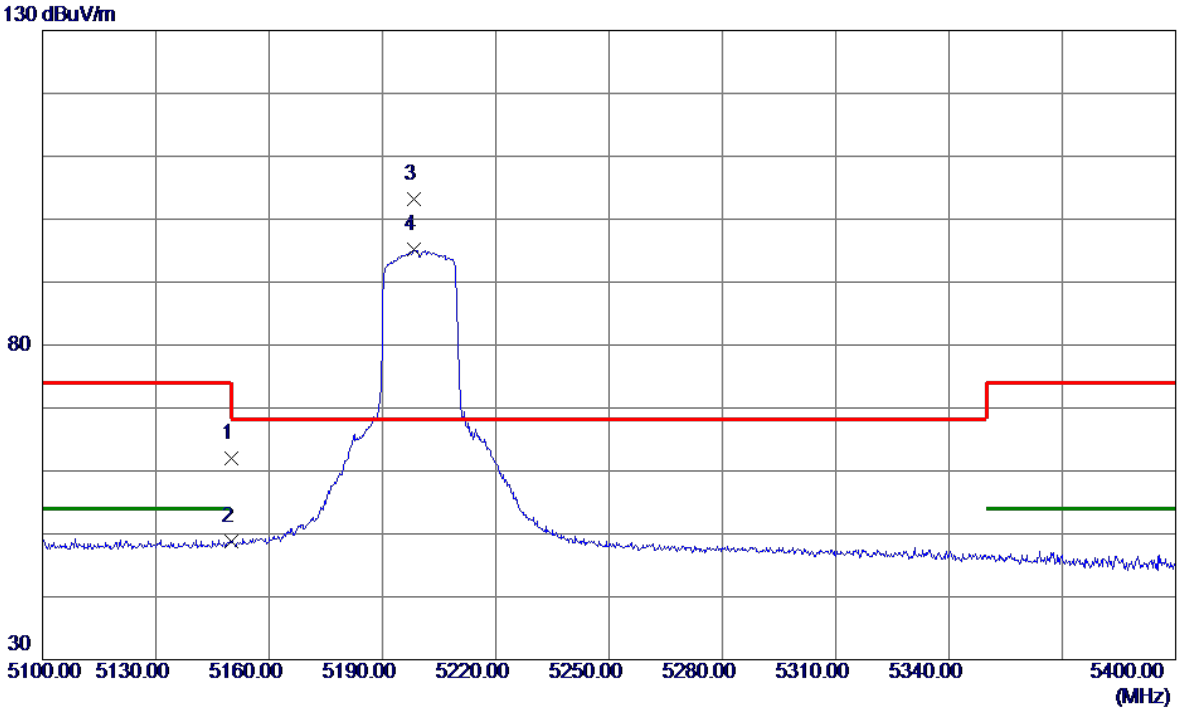
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10402.9000	50.13	1.72	51.85	68.20	-16.35	Peak	
2	15593.8000	49.27	2.89	52.16	74.00	-21.84	Peak	
3 *	15597.9560	43.40	2.88	46.28	54.00	-7.72	AVG	

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

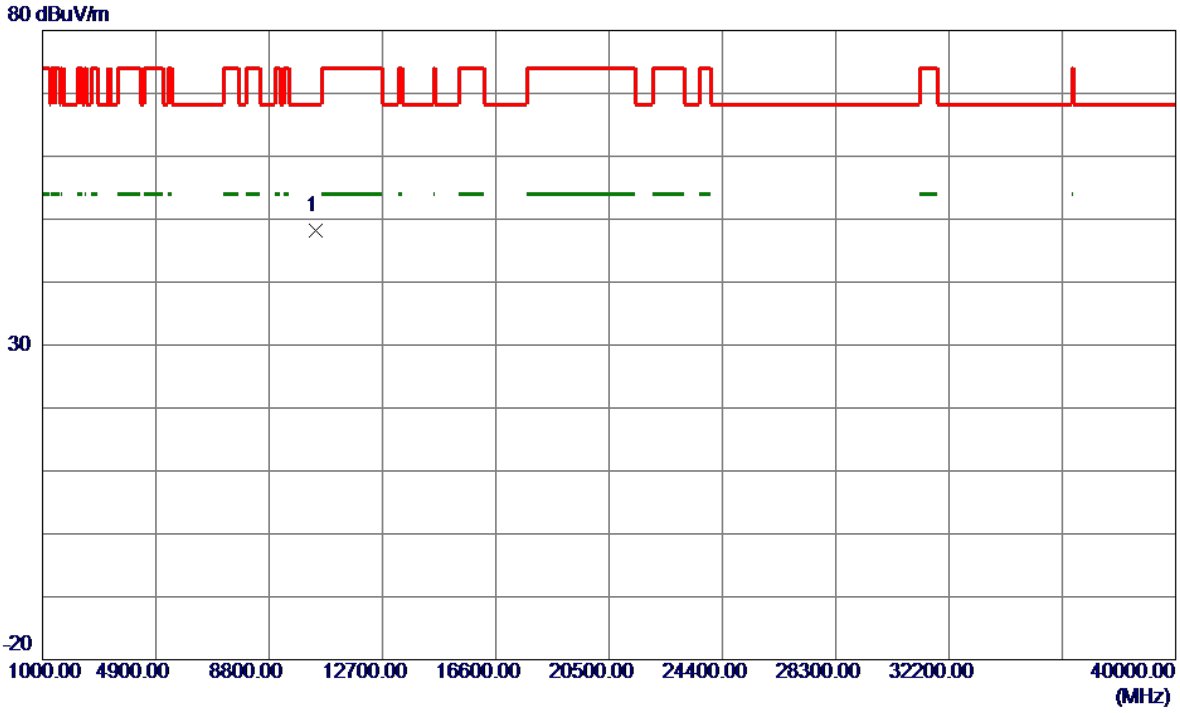
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	24.14	37.88	62.02	74.00	-11.98	Peak	
2	5150.0000	10.93	37.88	48.81	54.00	-5.19	AVG	
3 *	5198.2500	65.48	37.69	103.17	68.20	34.97	Peak	No limit
4	5198.2500	57.51	37.69	95.20	999.00	-903.80	AVG	No limit

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

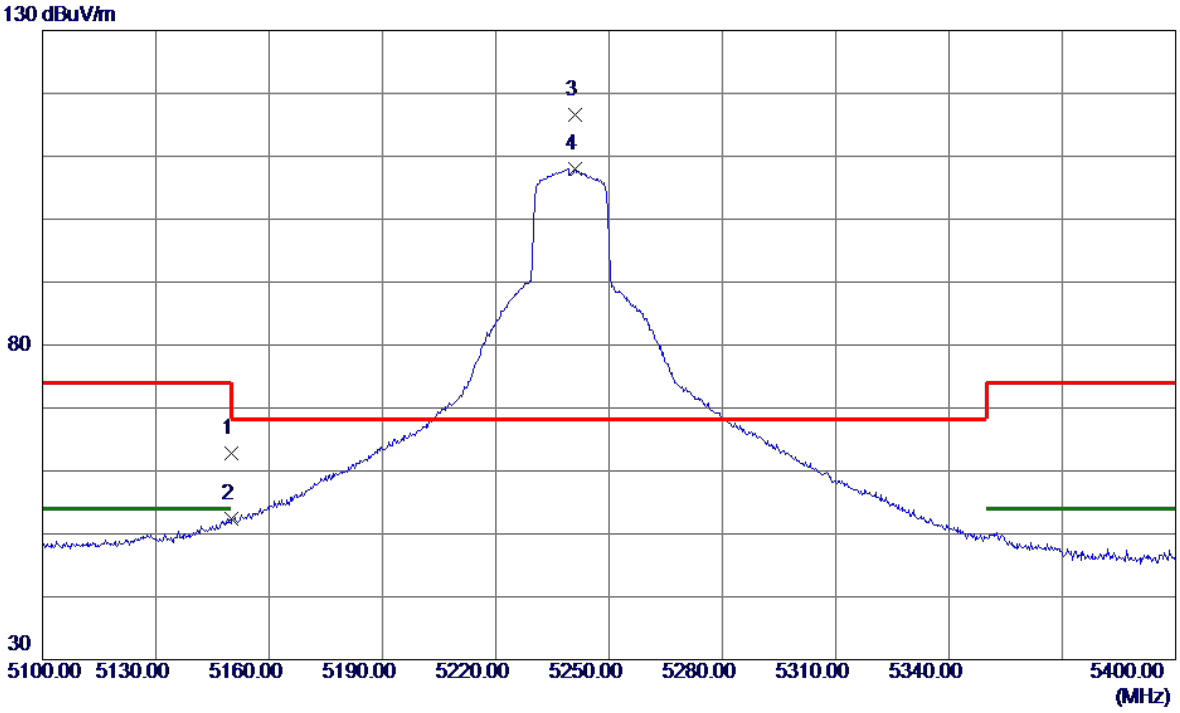
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0000	46.50	1.72	48.22	68.20	-19.98	Peak	

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

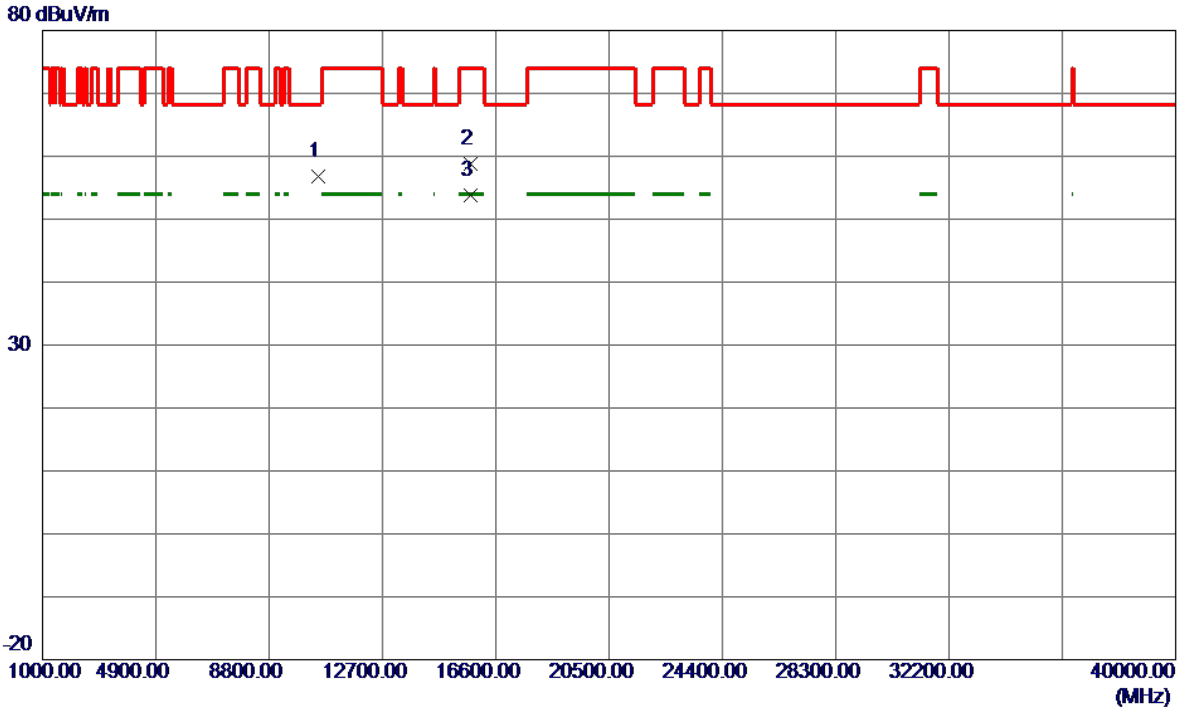
Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	24.95	37.88	62.83	74.00	-11.17	Peak	
2	5150.0000	14.48	37.88	52.36	54.00	-1.64	AVG	
3 *	5241.0000	79.02	37.62	116.64	68.20	48.44	Peak	No limit
4	5241.0000	70.38	37.62	108.00	999.00	-891.00	AVG	No limit

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

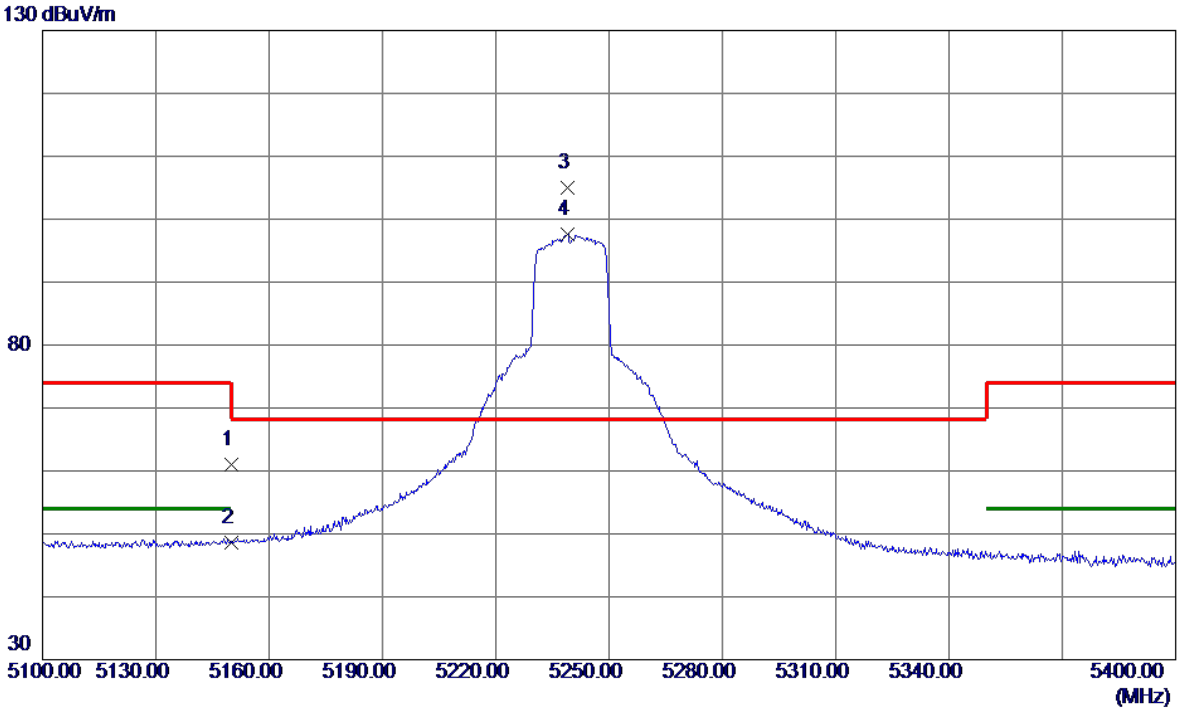
Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10478.9500	54.93	1.80	56.73	68.20	-11.47	Peak	
2	15724.4500	56.07	2.74	58.81	74.00	-15.19	Peak	
3 *	15725.8460	51.07	2.74	53.81	54.00	-0.19	AVG	

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

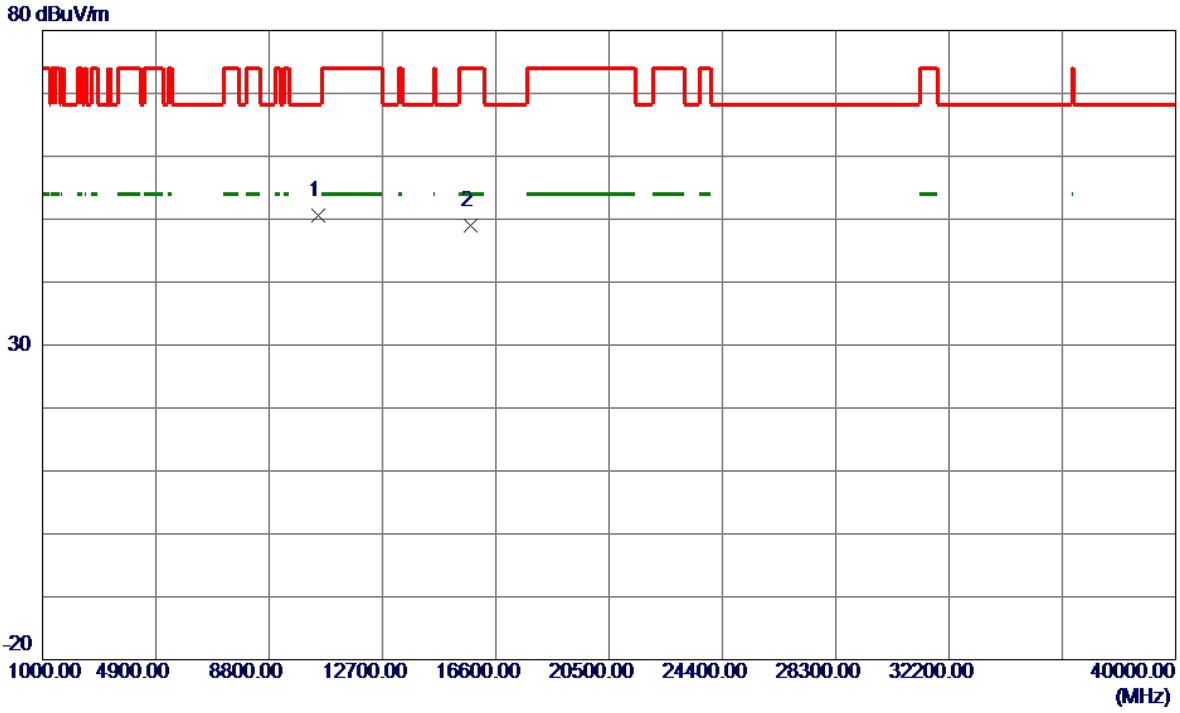
Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.21	37.88	61.09	74.00	-12.91	Peak	
2	5150.0000	10.67	37.88	48.55	54.00	-5.45	AVG	
3 *	5239.0500	67.41	37.62	105.03	68.20	36.83	Peak	No limit
4	5239.0500	59.91	37.62	97.53	999.00	-901.47	AVG	No limit

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

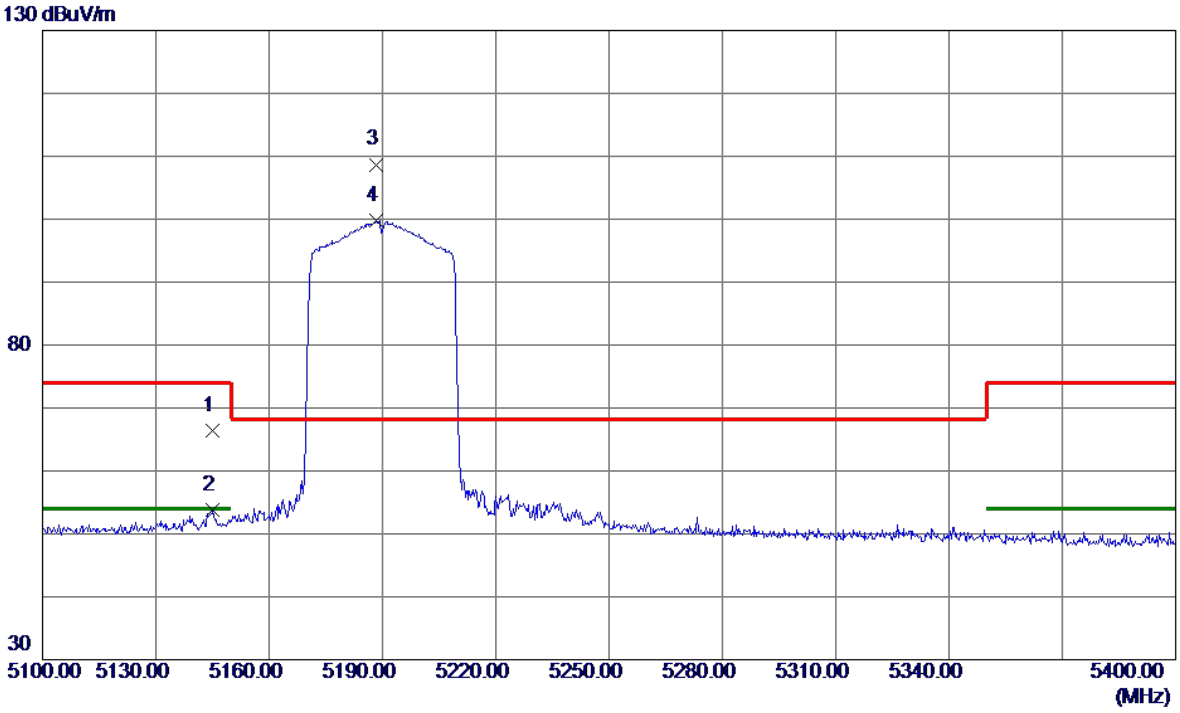
Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10486.7500	48.75	1.81	50.56	68.20	-17.64	Peak	
2	15732.2500	46.24	2.74	48.98	74.00	-25.02	Peak	

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

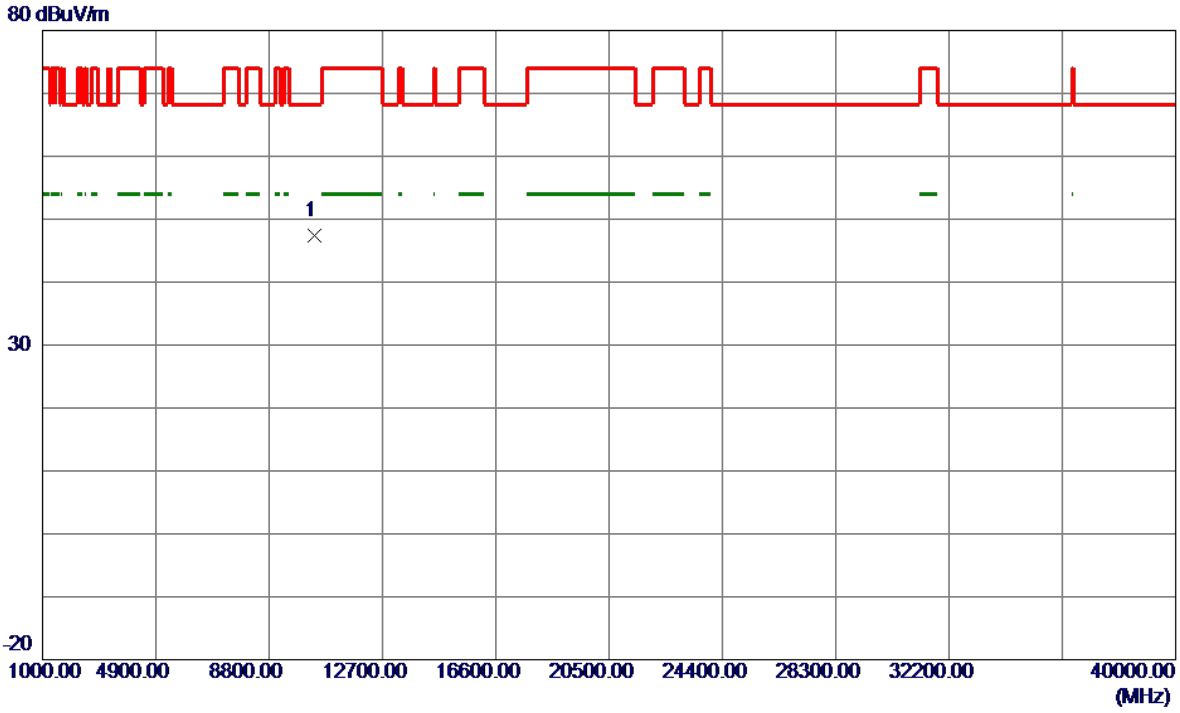
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5145.1500	28.50	37.89	66.39	74.00	-7.61	Peak	
2	5145.1500	15.99	37.89	53.88	54.00	-0.12	AVG	
3 *	5188.2000	70.97	37.73	108.70	68.20	40.50	Peak	No limit
4	5188.2000	62.10	37.73	99.83	999.00	-899.17	AVG	No limit

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

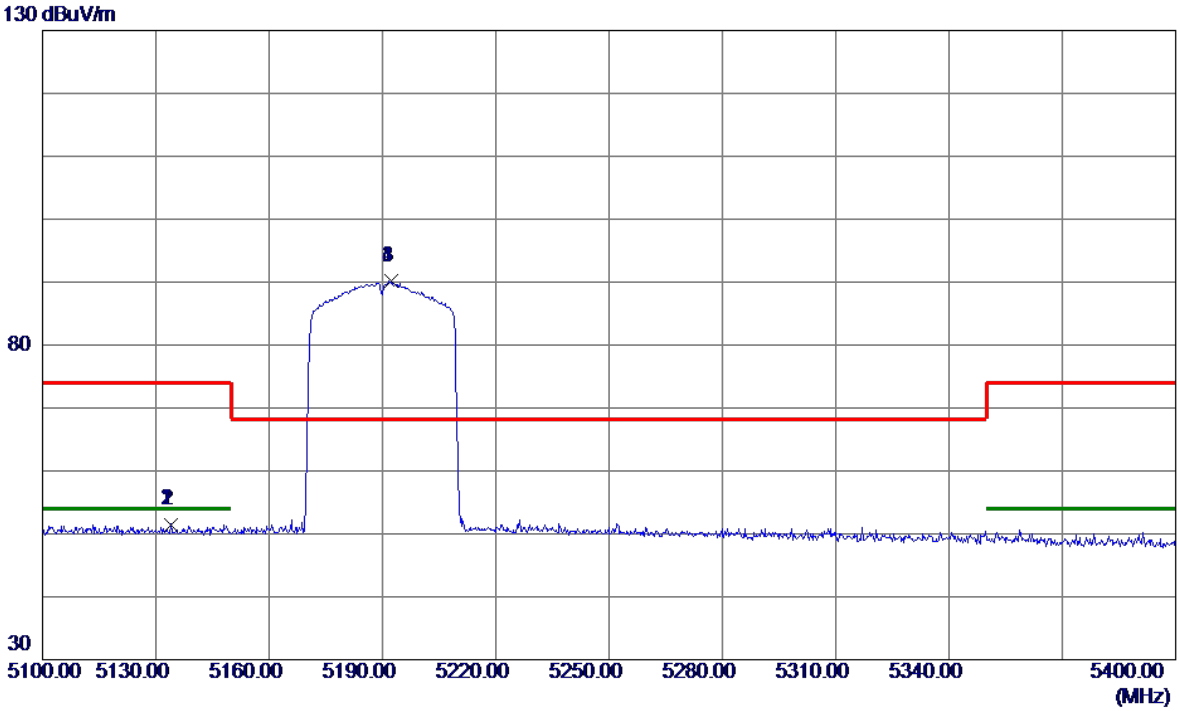
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	45.71	1.68	47.39	68.20	-20.81	Peak	

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

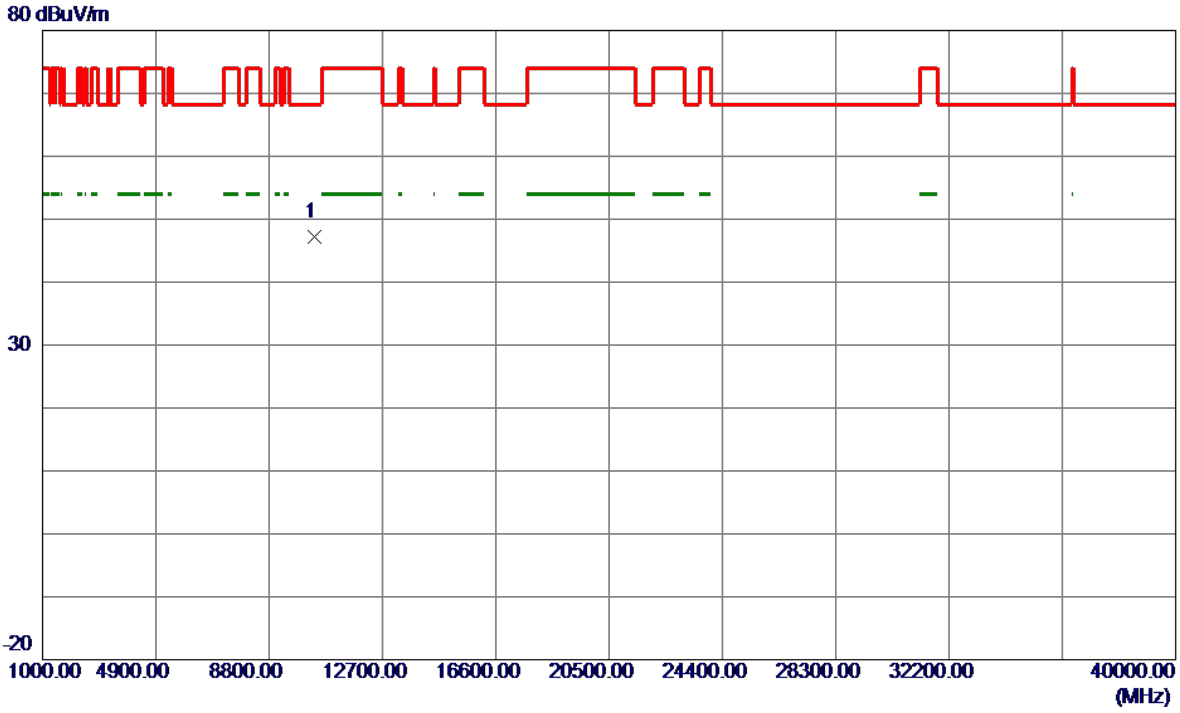
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5133.9000	13.56	37.94	51.50	74.00	-22.50	Peak	
2	5133.9000	13.56	37.94	51.50	54.00	-2.50	AVG	
3	5192.4000	52.44	37.71	90.15	999.00	-908.85	AVG	No limit
4 *	5192.4000	52.44	37.71	90.15	68.20	21.95	Peak	No limit

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

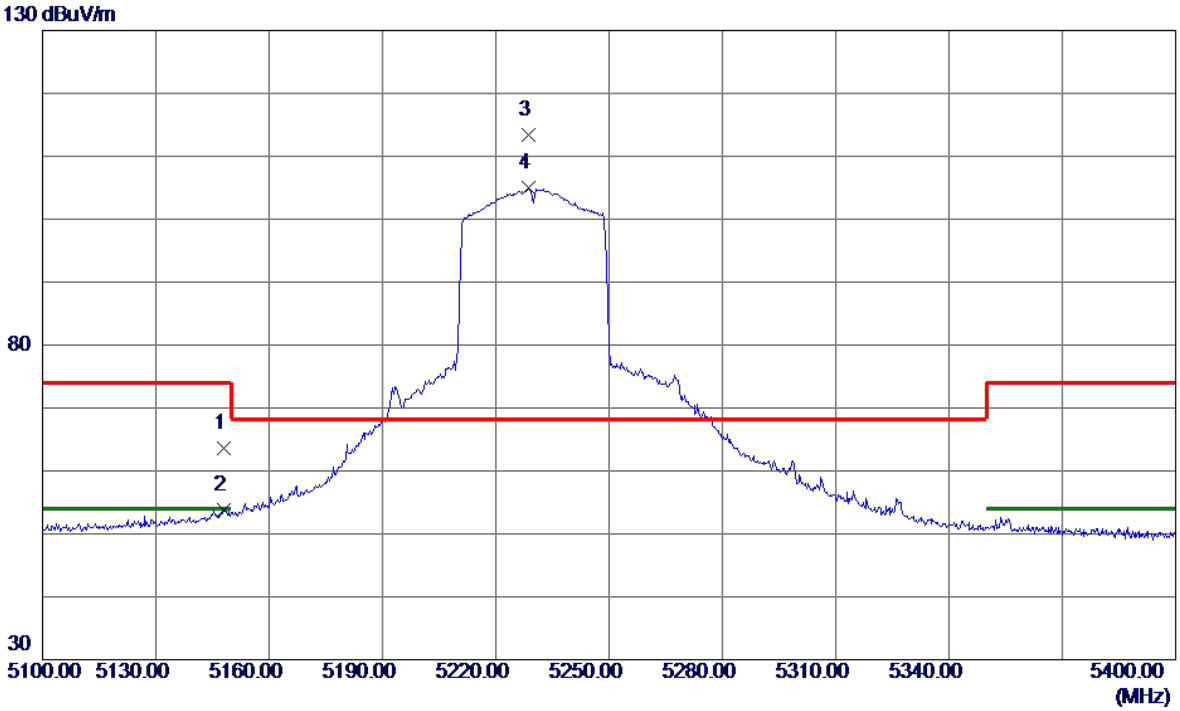
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	45.50	1.68	47.18	68.20	-21.02	Peak	

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

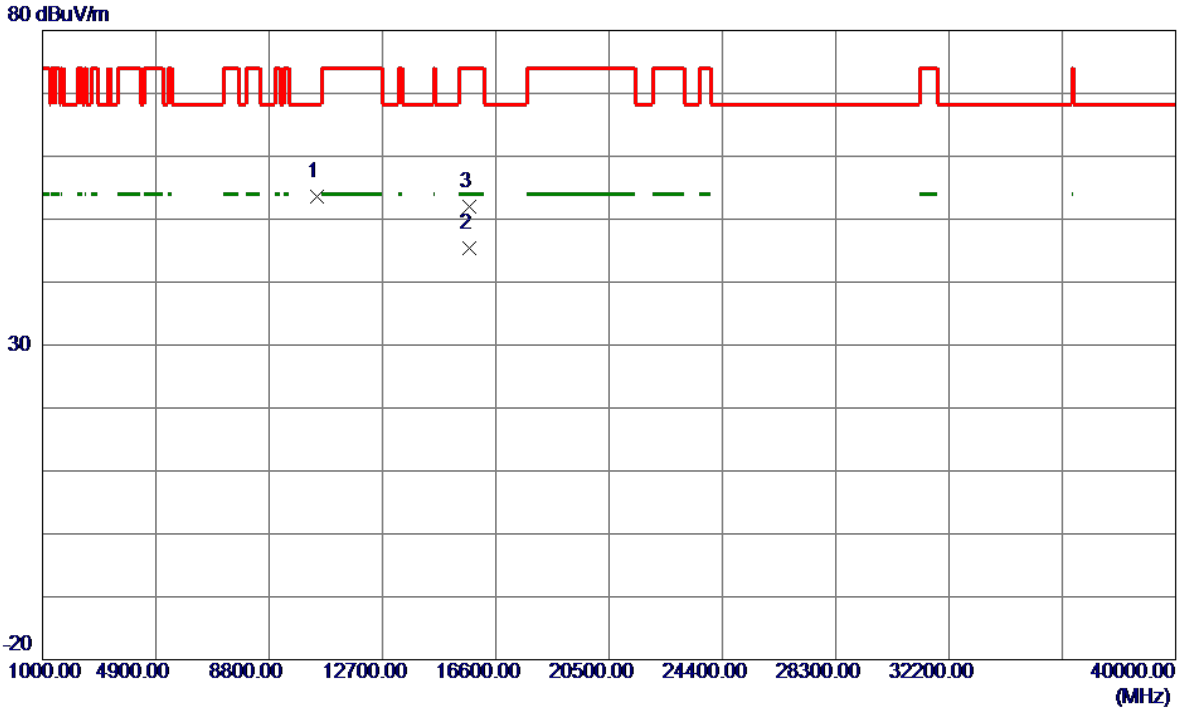
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5147.8500	25.63	37.88	63.51	74.00	-10.49	Peak	
2	5147.8500	15.97	37.88	53.85	54.00	-0.15	AVG	
3 *	5228.7000	75.77	37.64	113.41	68.20	45.21	Peak	No limit
4	5228.7000	67.38	37.64	105.02	999.00	-893.98	AVG	No limit

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

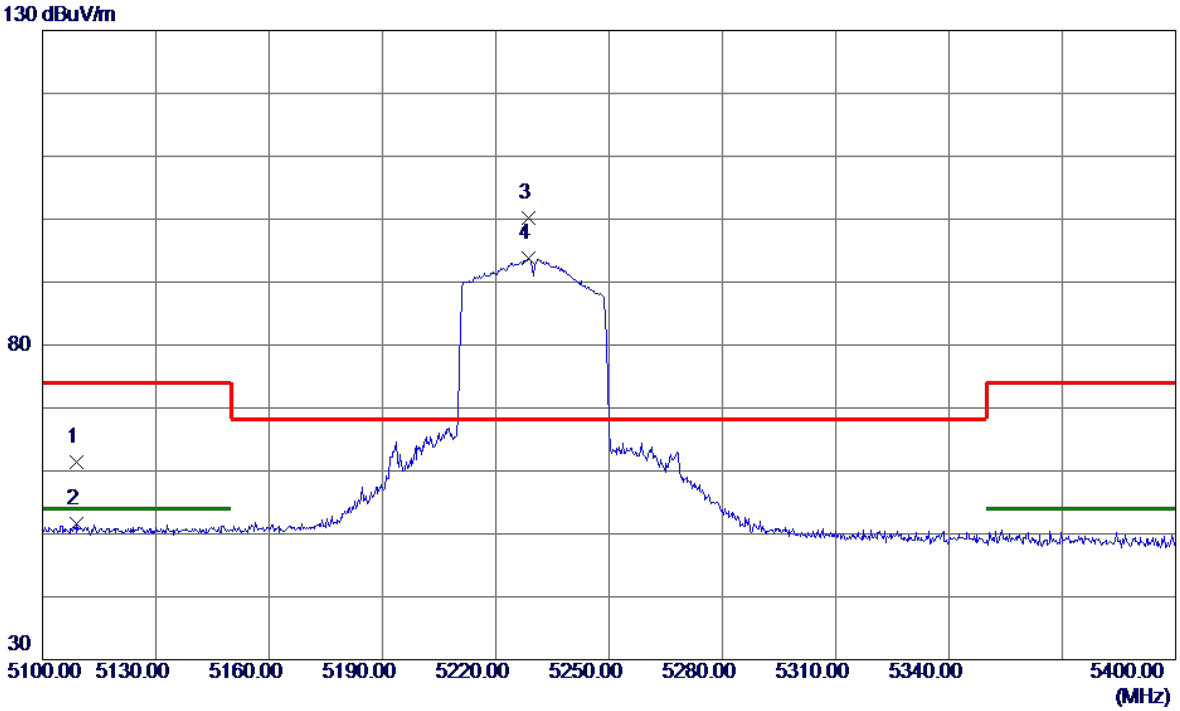
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10455.5500	51.75	1.78	53.53	68.20	-14.67	Peak	
2 *	15676.8460	42.63	2.79	45.42	54.00	-8.58	AVG	
3	15693.2500	49.31	2.78	52.09	74.00	-21.91	Peak	

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

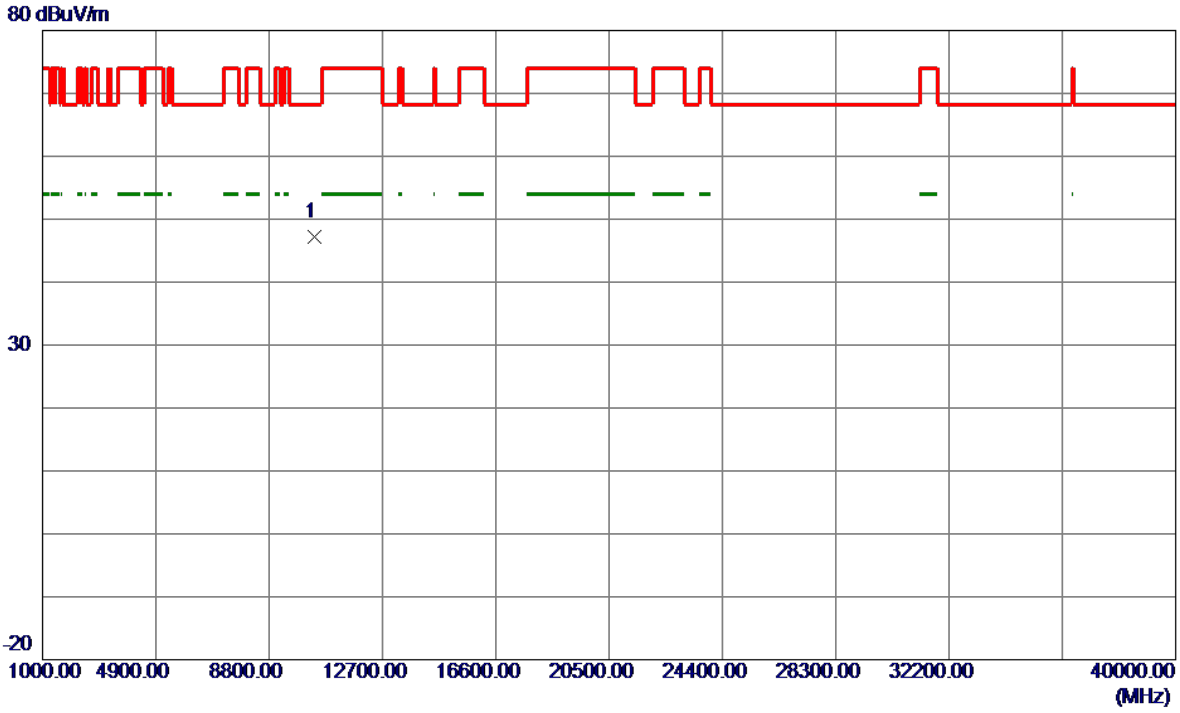
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5108.8500	23.29	38.04	61.33	74.00	-12.67	Peak	
2	5108.8500	13.52	38.04	51.56	54.00	-2.44	AVG	
3 *	5228.7000	62.61	37.64	100.25	68.20	32.05	Peak	No limit
4	5228.7000	56.18	37.64	93.82	999.00	-905.18	AVG	No limit

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

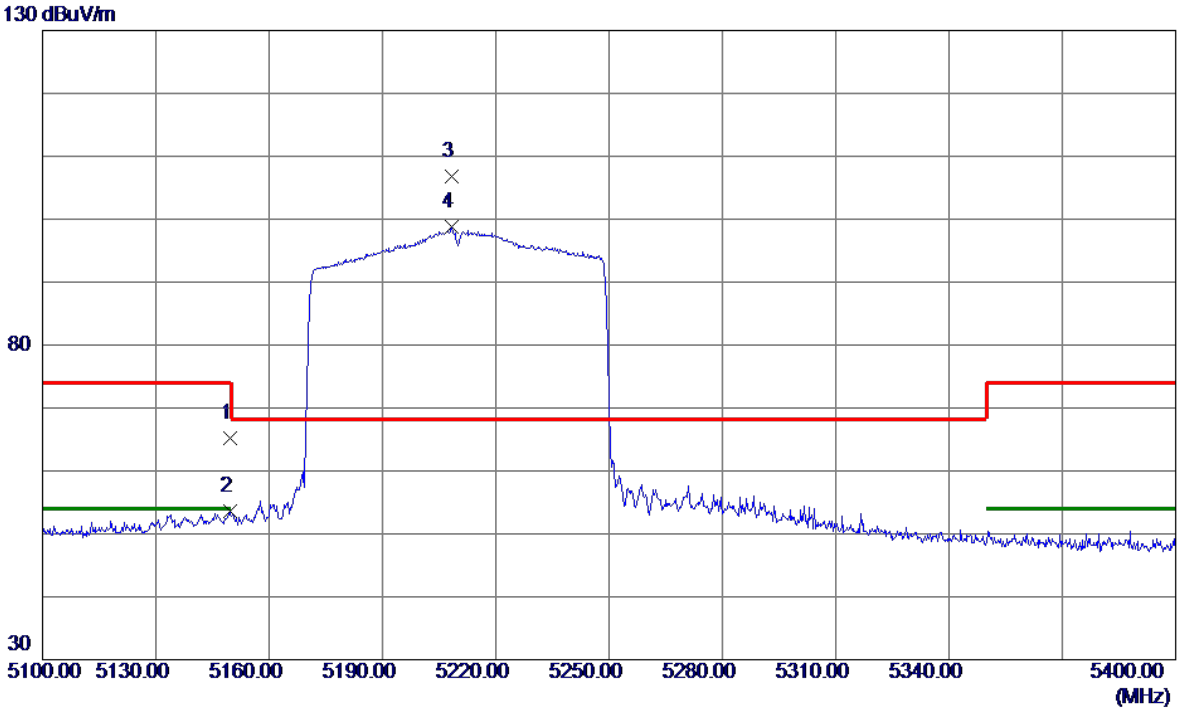
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	45.59	1.68	47.27	68.20	-20.93	Peak	

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

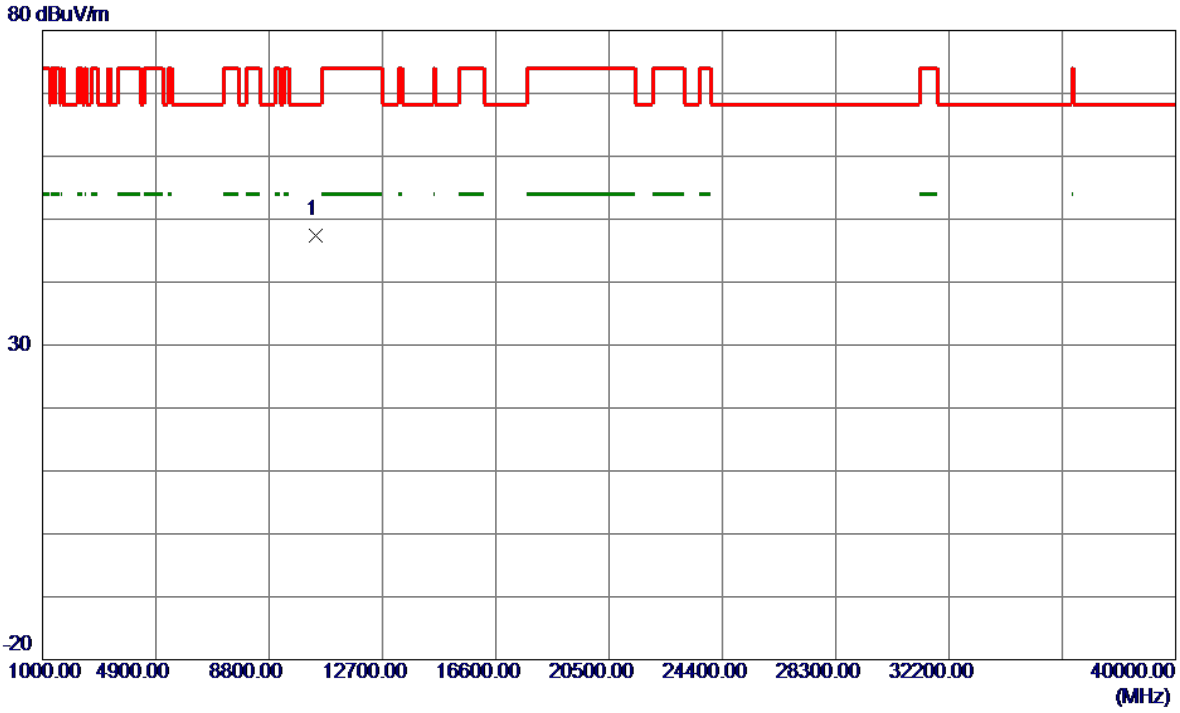
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5149.6500	27.33	37.88	65.21	74.00	-8.79	Peak	
2	5149.6500	15.64	37.88	53.52	54.00	-0.48	AVG	
3 *	5208.3000	69.17	37.67	106.84	68.20	38.64	Peak	No limit
4	5208.3000	61.06	37.67	98.73	999.00	-900.27	AVG	No limit

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

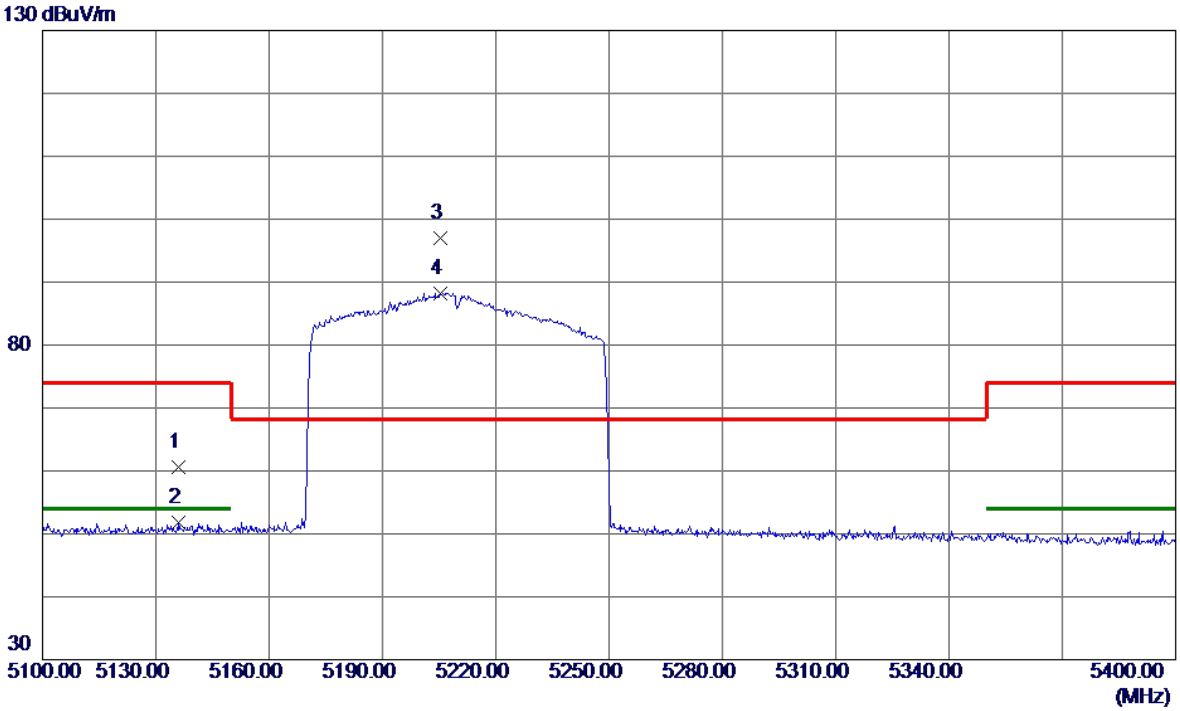
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.0000	45.76	1.74	47.50	68.20	-20.70	Peak	

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

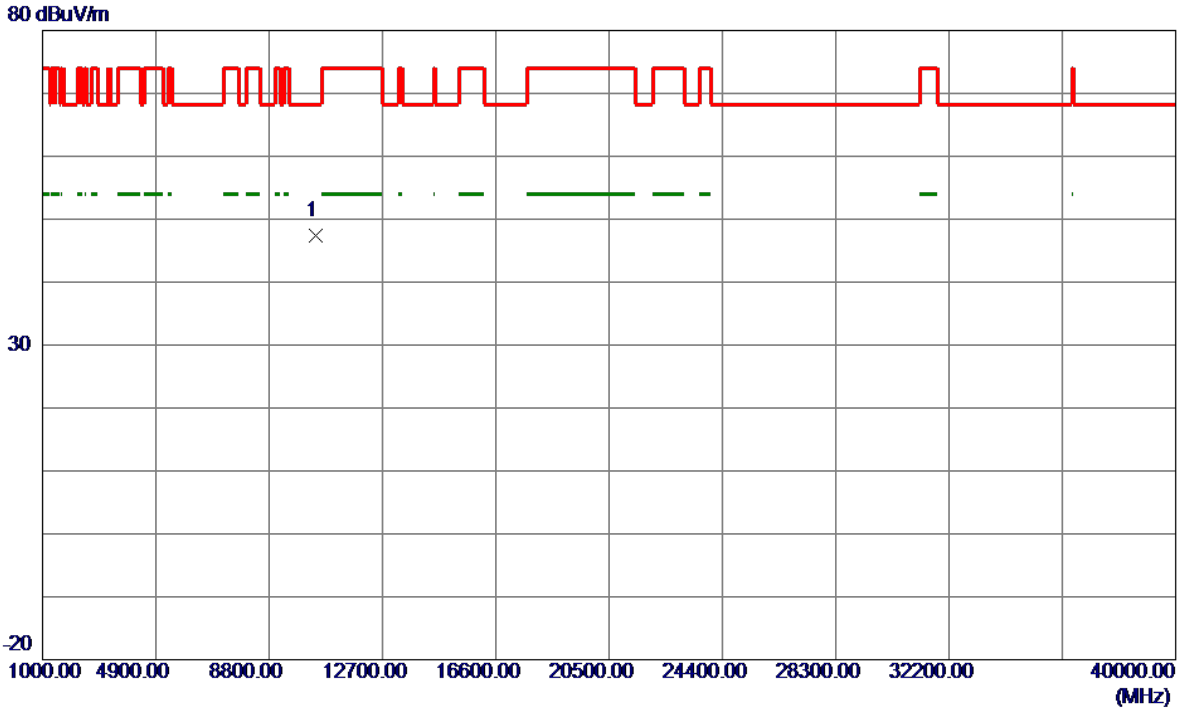
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5136.0000	22.61	37.93	60.54	74.00	-13.46	Peak	
2	5136.0000	13.89	37.93	51.82	54.00	-2.18	AVG	
3 *	5205.4500	59.31	37.67	96.98	68.20	28.78	Peak	No limit
4	5205.4500	50.62	37.67	88.29	999.00	-910.71	AVG	No limit

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

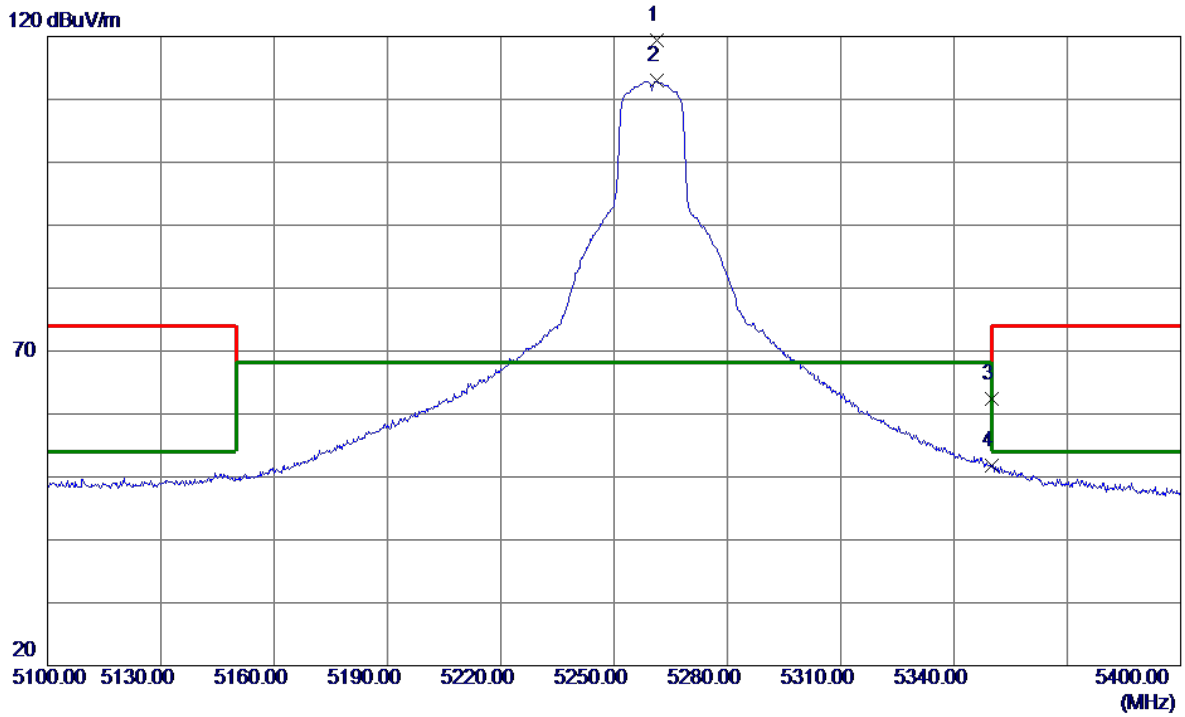
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.0000	45.75	1.74	47.49	68.20	-20.71	Peak	

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

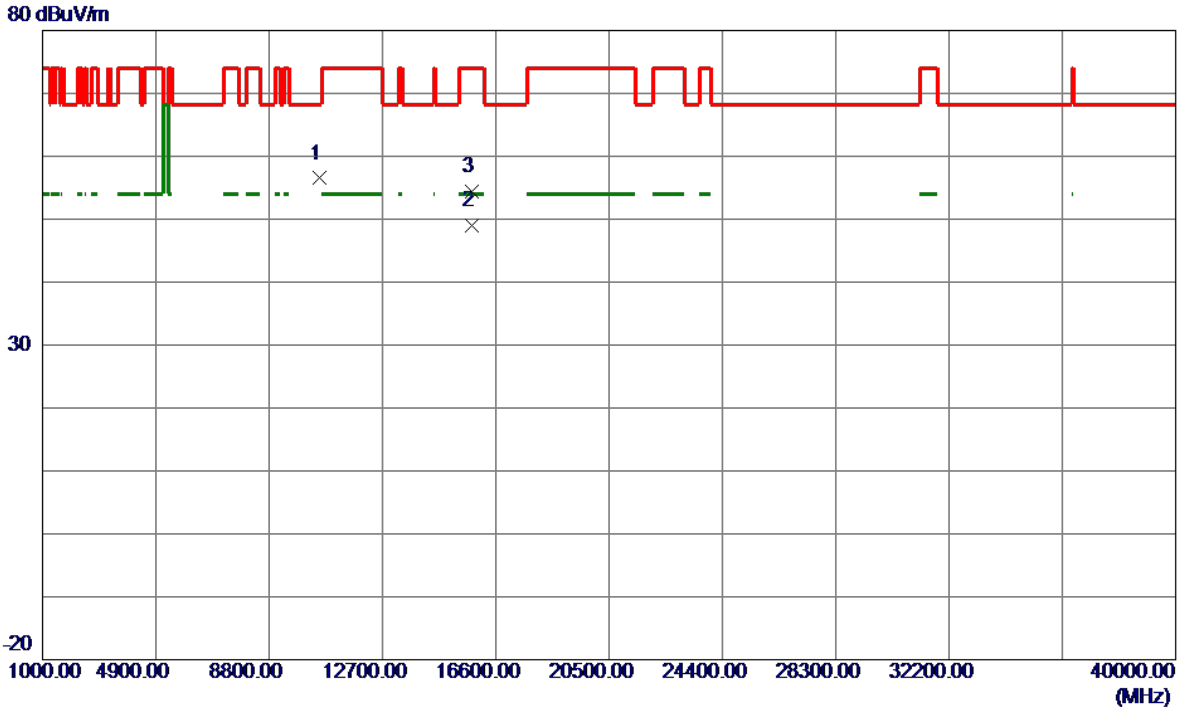
Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5261.2500	81.75	37.59	119.34	68.20	51.14	Peak	No limit
2	5261.2500	75.40	37.59	112.99	68.20	44.79	AVG	No limit
3	5350.0000	24.75	37.74	62.49	74.00	-11.51	Peak	
4	5350.0000	14.10	37.74	51.84	54.00	-2.16	AVG	

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

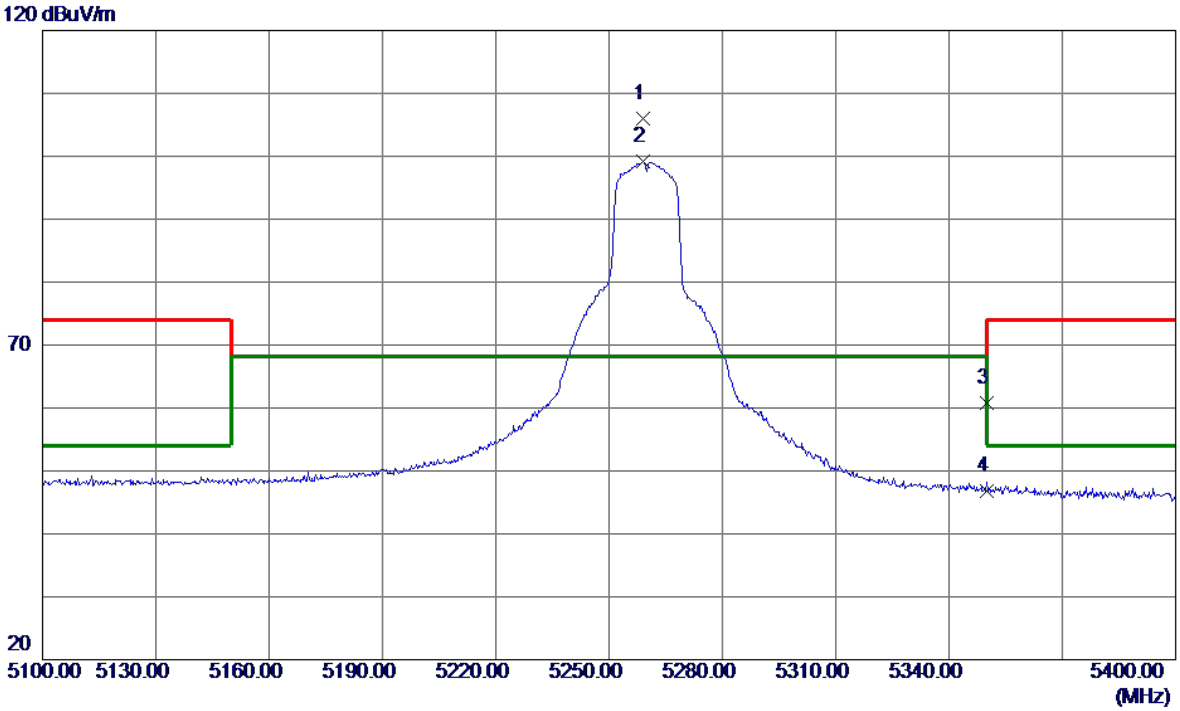
Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10521.8500	54.66	1.84	56.50	68.20	-11.70	Peak	
2 *	15778.9060	46.37	2.69	49.06	54.00	-4.94	AVG	
3	15779.0500	51.65	2.69	54.34	74.00	-19.66	Peak	

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

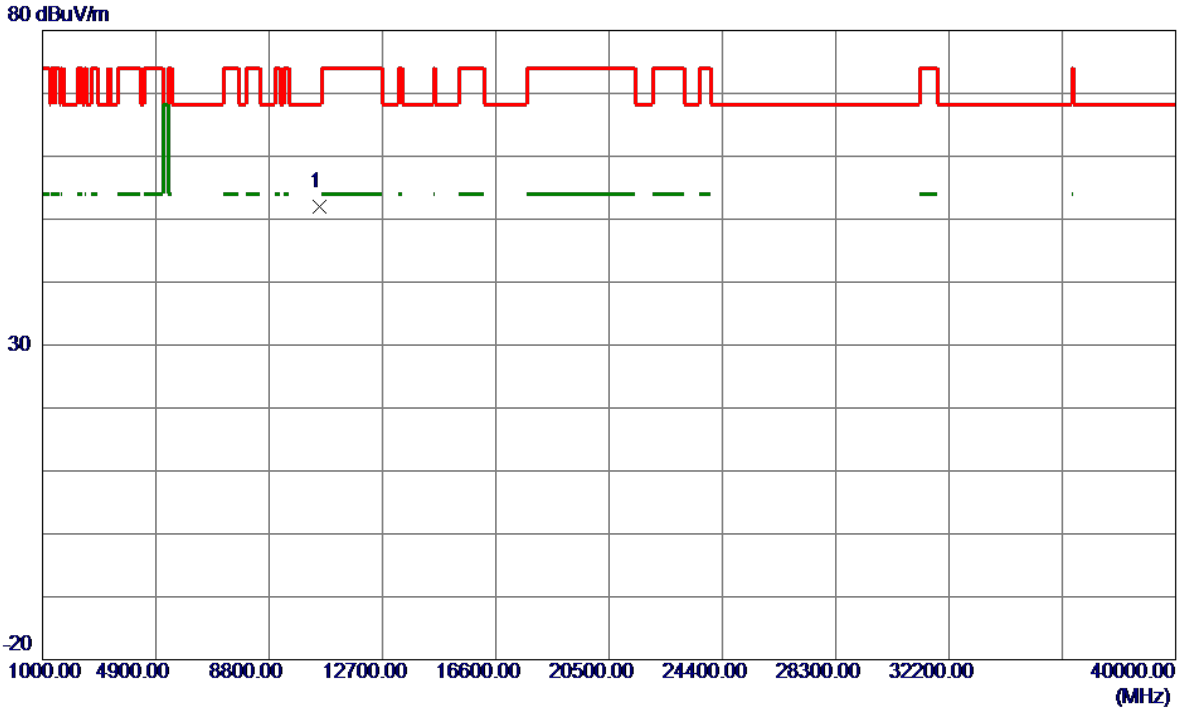
Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5258.8500	68.35	37.59	105.94	68.20	37.74	Peak	No limit
2	5258.8500	61.57	37.59	99.16	68.20	30.96	AVG	No limit
3	5350.0000	22.99	37.74	60.73	74.00	-13.27	Peak	
4	5350.0000	9.05	37.74	46.79	54.00	-7.21	AVG	

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

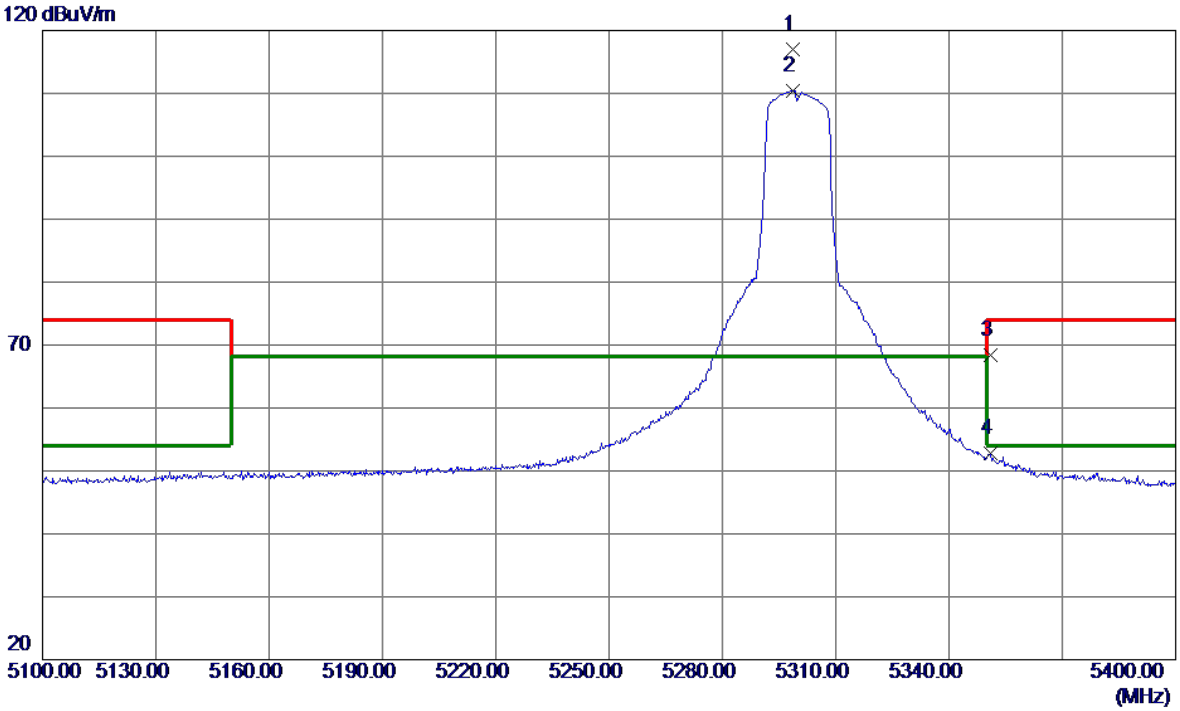
Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10517.9500	50.19	1.84	52.03	68.20	-16.17	Peak	

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

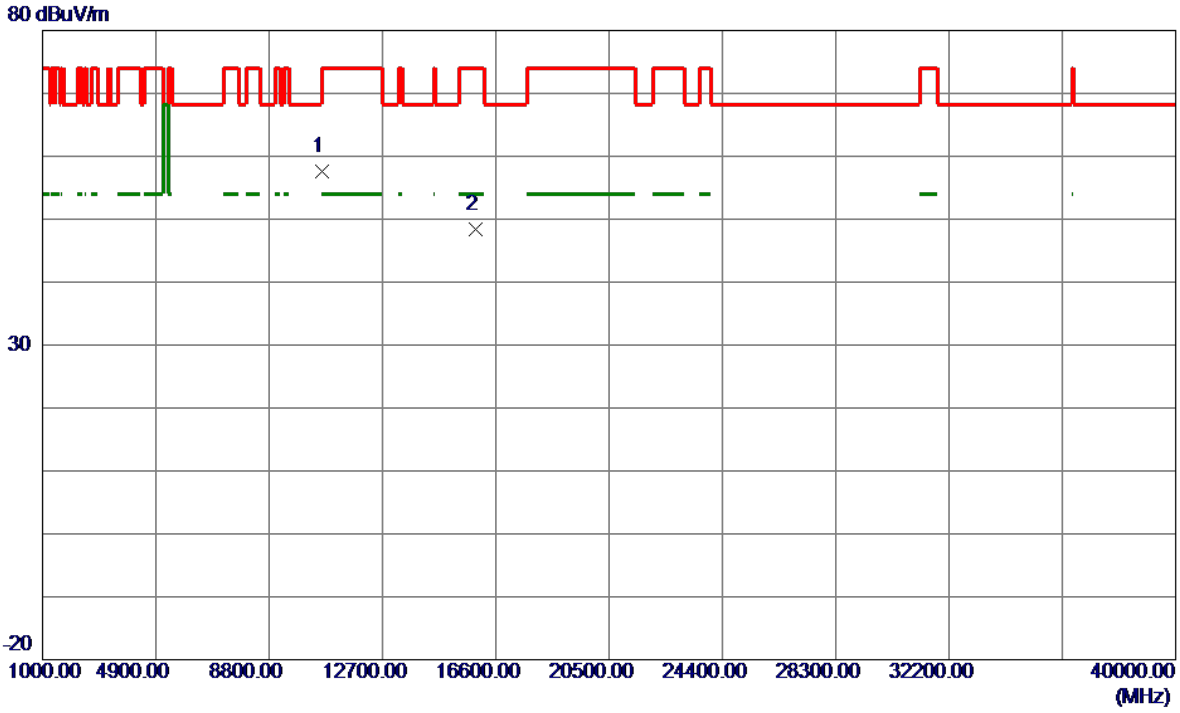
Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5298.7500	79.54	37.54	117.08	68.20	48.88	Peak	No limit
2	5298.7500	72.91	37.54	110.45	68.20	42.25	AVG	No limit
3	5350.9500	30.59	37.74	68.33	74.00	-5.67	Peak	
4	5350.9500	14.97	37.74	52.71	54.00	-1.29	AVG	

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

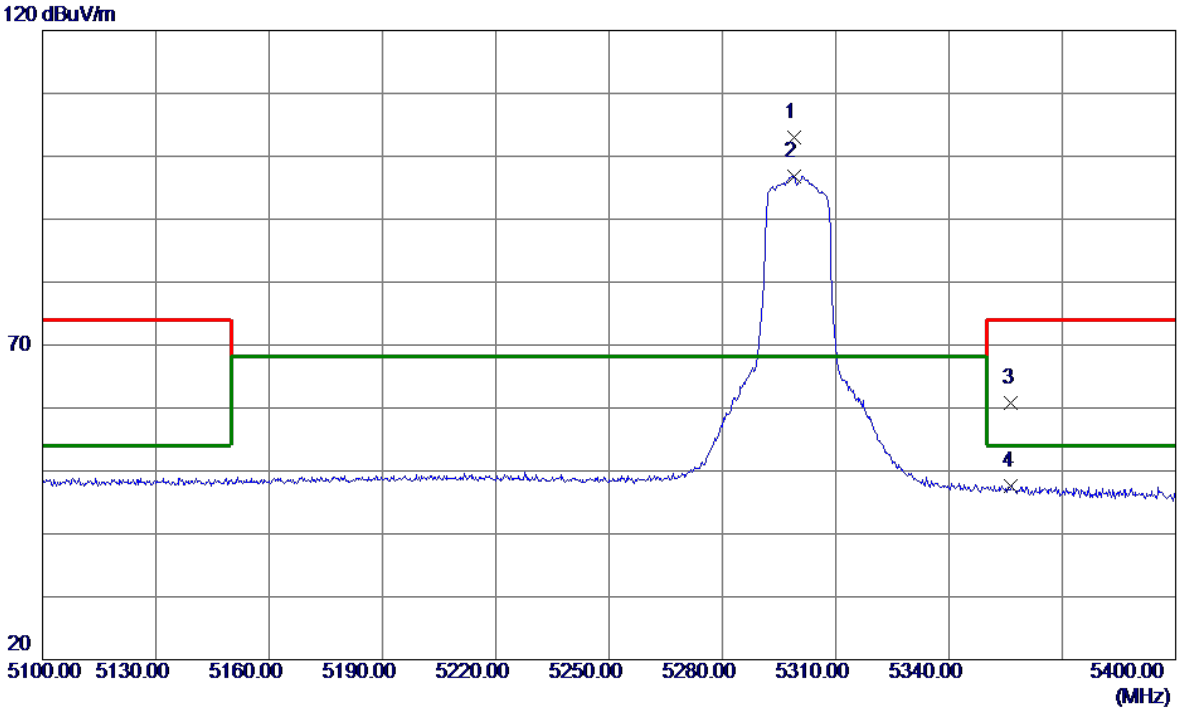
Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10600.0000	55.70	1.92	57.62	68.20	-10.58	Peak	
2	15898.0000	45.74	2.61	48.35	74.00	-25.65	Peak	

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

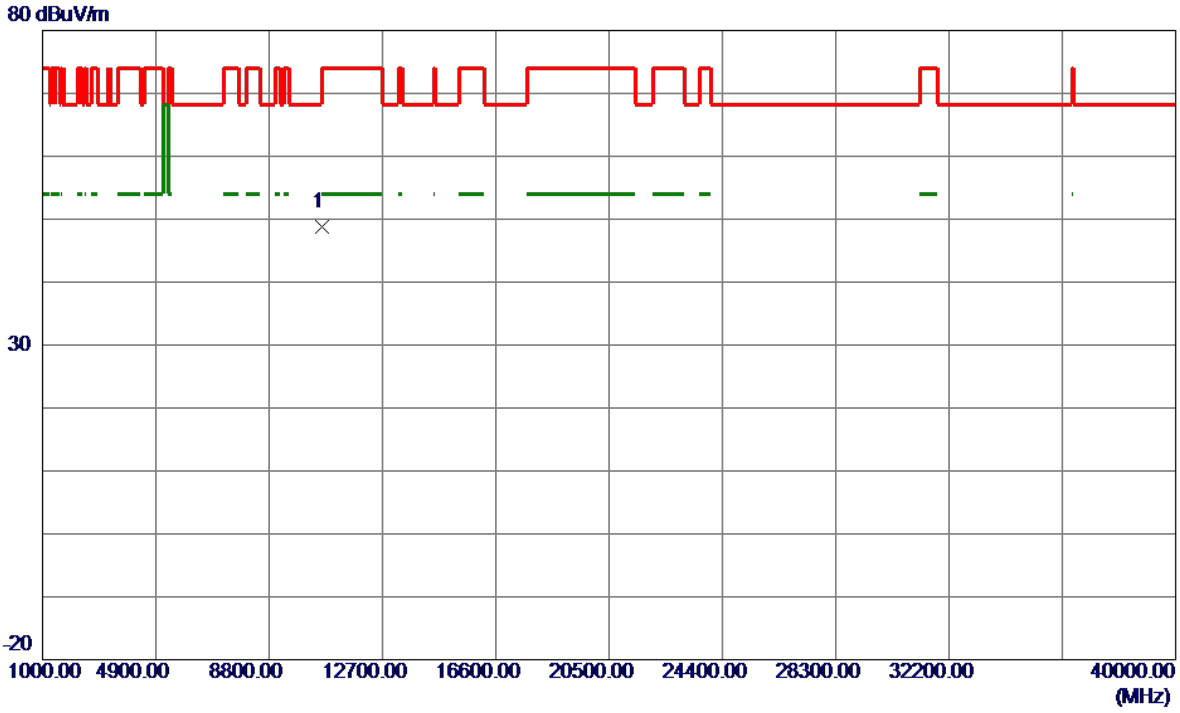
Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5298.9000	65.39	37.54	102.93	68.20	34.73	Peak	No limit
2	5298.9000	59.29	37.54	96.83	68.20	28.63	AVG	No limit
3	5356.5000	23.00	37.76	60.76	74.00	-13.24	Peak	
4	5356.5000	9.86	37.76	47.62	54.00	-6.38	AVG	

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

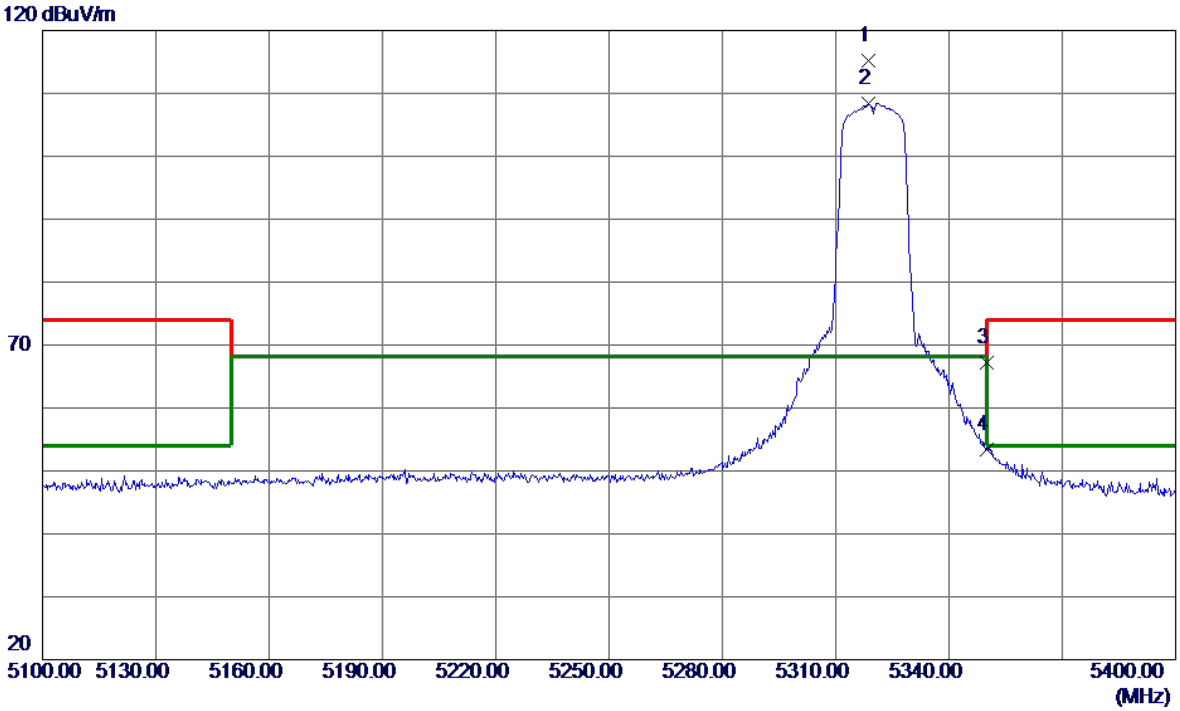
Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10605.7000	46.89	1.92	48.81	74.00	-25.19	Peak	

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

Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5318.7000	77.54	37.61	115.15	68.20	46.95	Peak	No limit
2	5318.7000	70.77	37.61	108.38	68.20	40.18	AVG	No limit
3	5350.0000	29.41	37.74	67.15	74.00	-6.85	Peak	
4	5350.0000	15.59	37.74	53.33	54.00	-0.67	AVG	

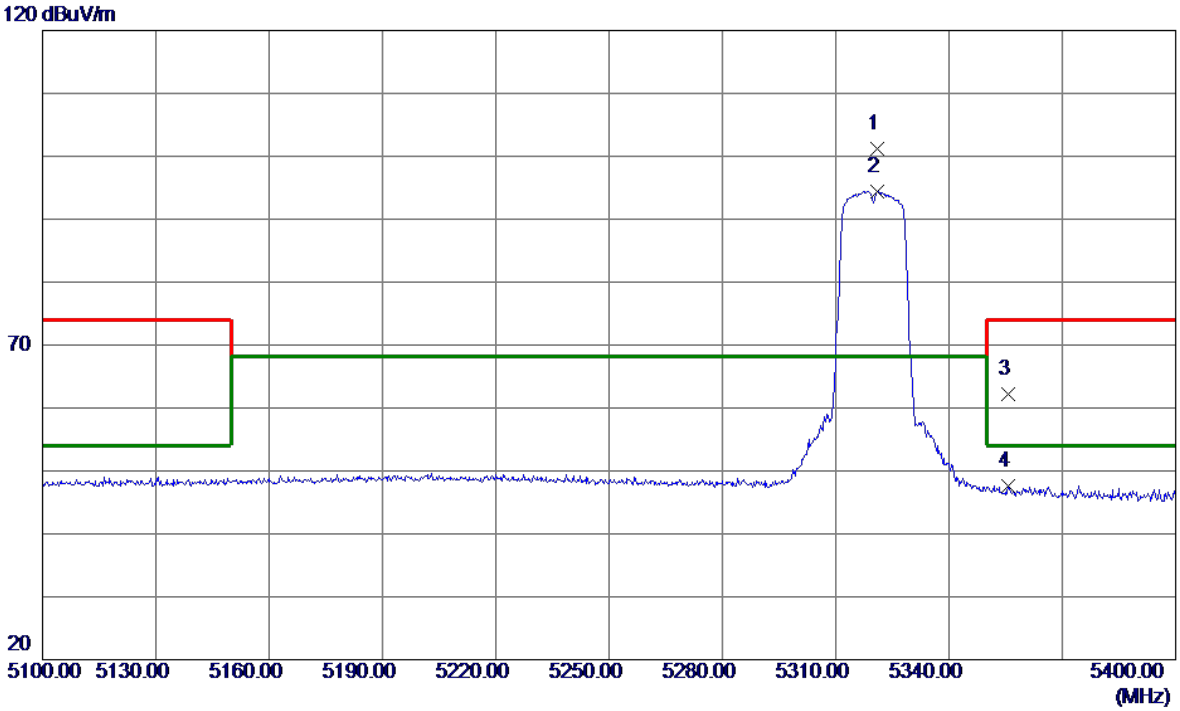
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10633.0000	49.03	1.93	50.96	74.00	-23.04	Peak	

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

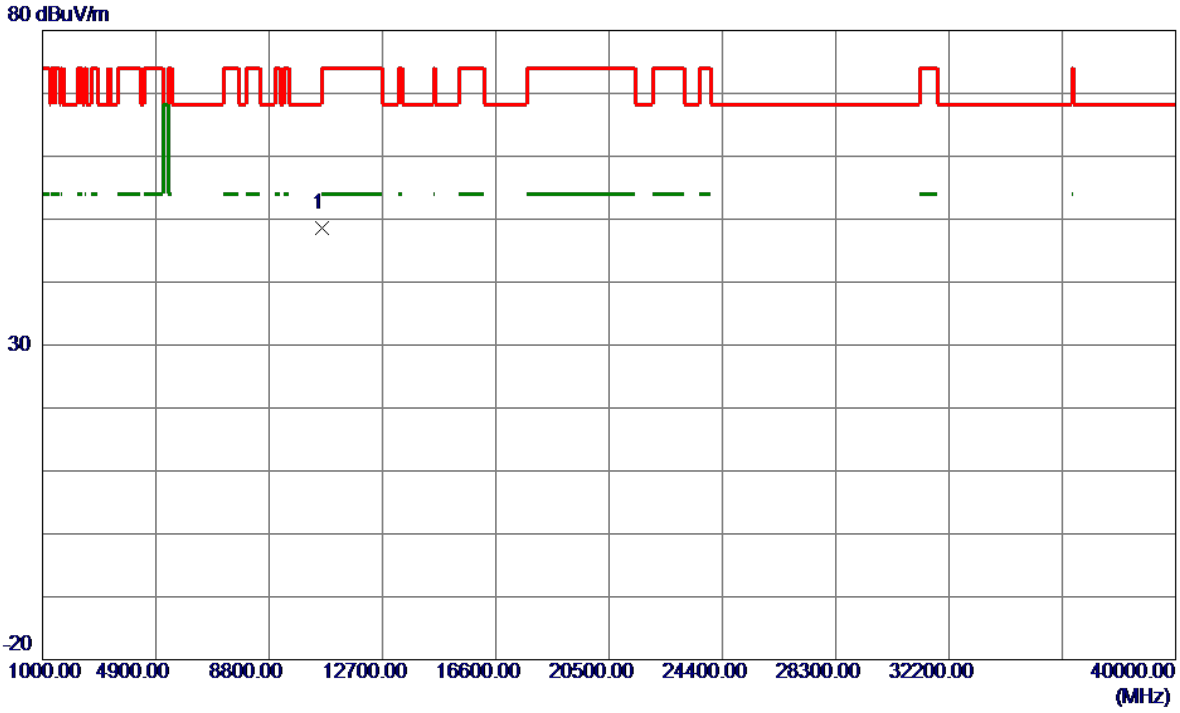
Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5321.1000	63.50	37.62	101.12	68.20	32.92	Peak	No limit
2	5321.1000	56.77	37.62	94.39	68.20	26.19	AVG	No limit
3	5355.6000	24.37	37.76	62.13	74.00	-11.87	Peak	
4	5355.6000	9.92	37.76	47.68	54.00	-6.32	AVG	

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

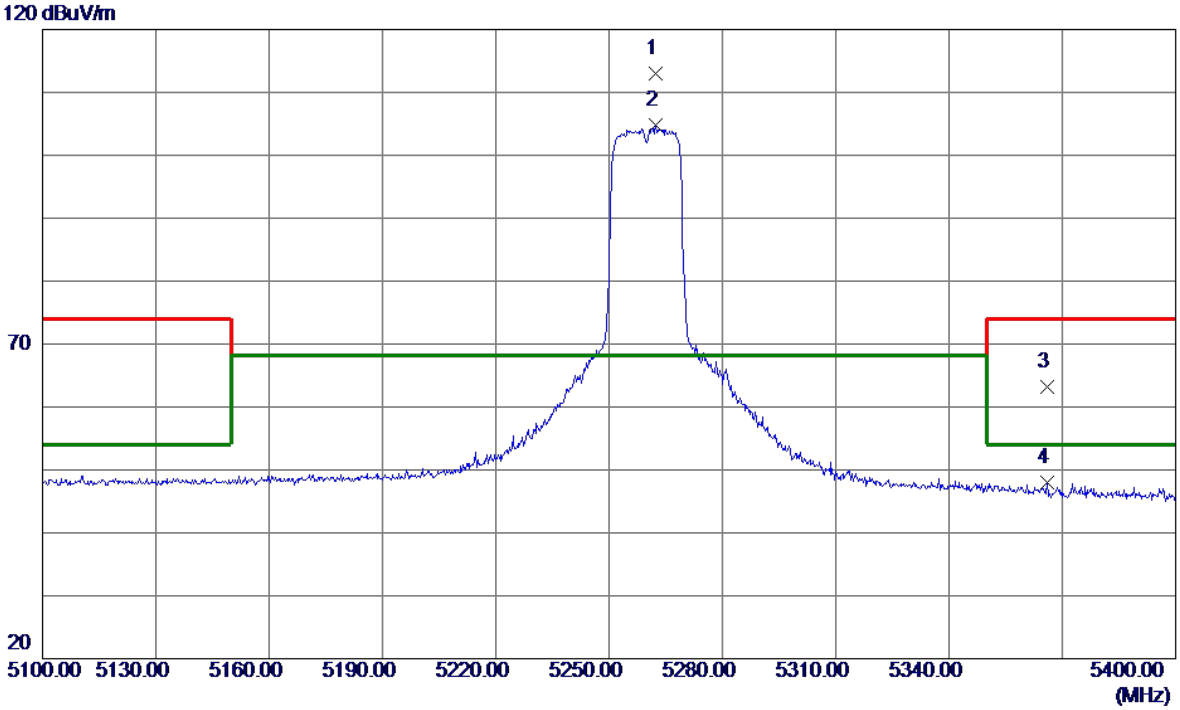
Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10638.8500	46.69	1.94	48.63	74.00	-25.37	Peak	

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

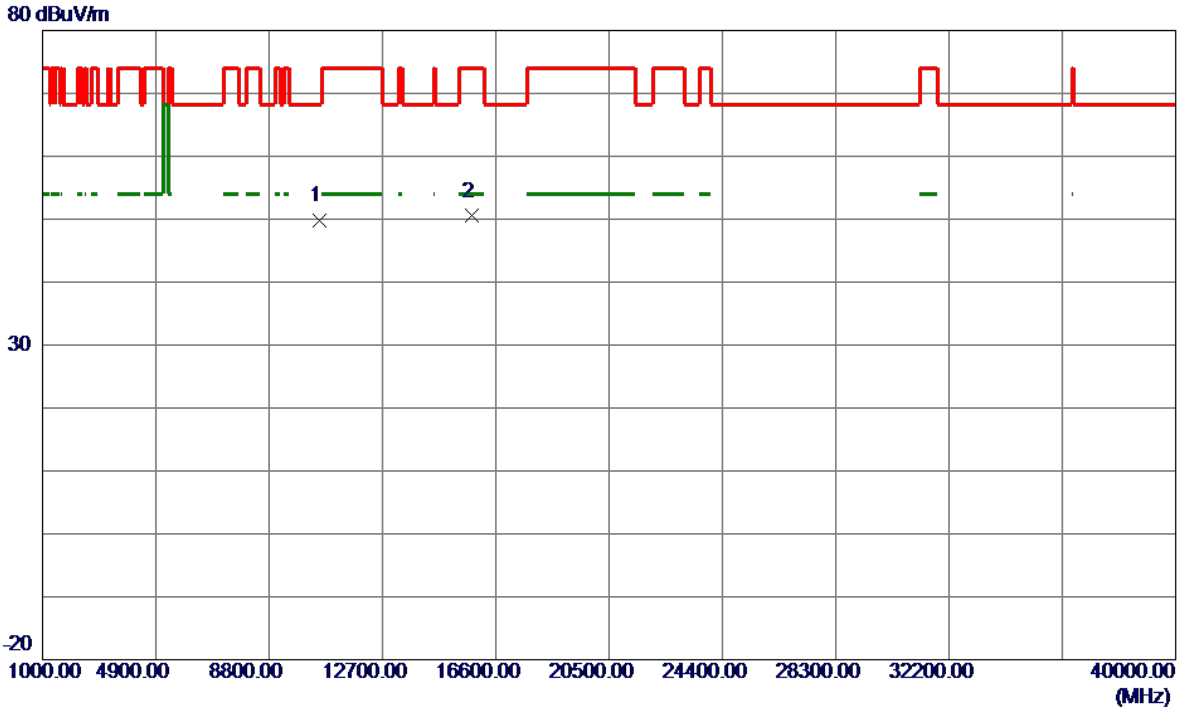
Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5262.4500	75.46	37.59	113.05	68.20	44.85	Peak	No limit
2	5262.4500	67.16	37.59	104.75	68.20	36.55	AVG	No limit
3	5366.1000	25.32	37.80	63.12	74.00	-10.88	Peak	
4	5366.1000	10.12	37.80	47.92	54.00	-6.08	AVG	

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

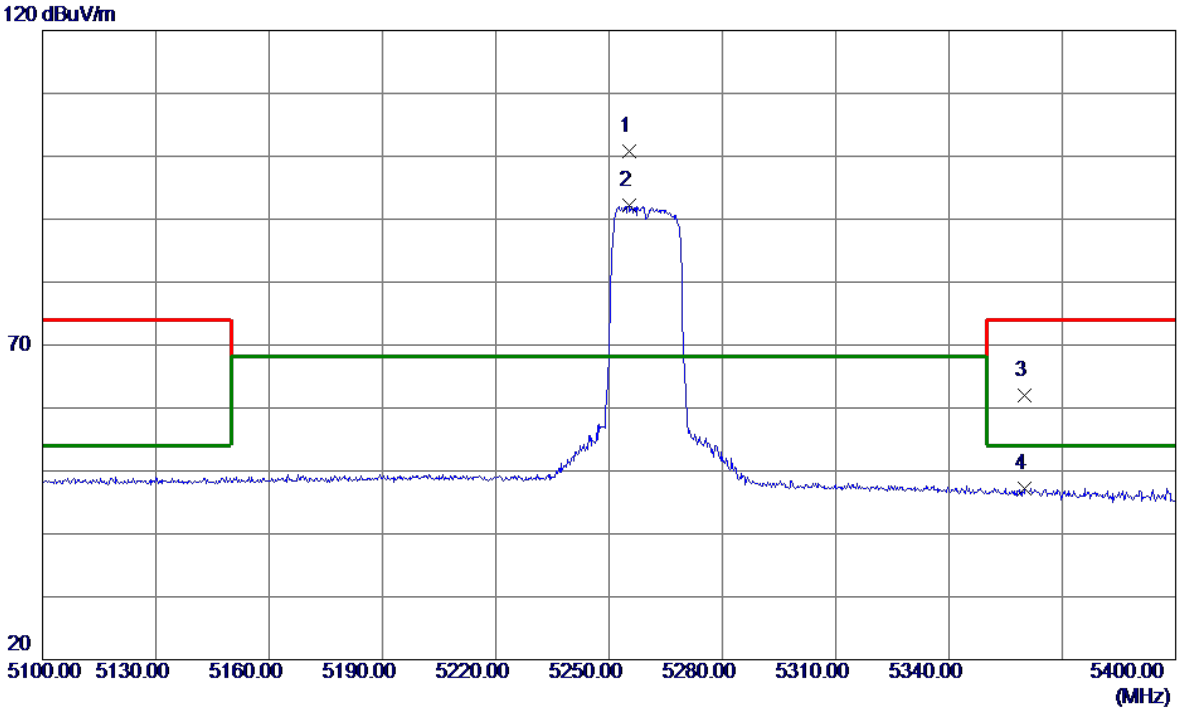
Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10517.9500	47.89	1.84	49.73	68.20	-18.47	Peak	
2	15769.3000	47.80	2.70	50.50	74.00	-23.50	Peak	

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

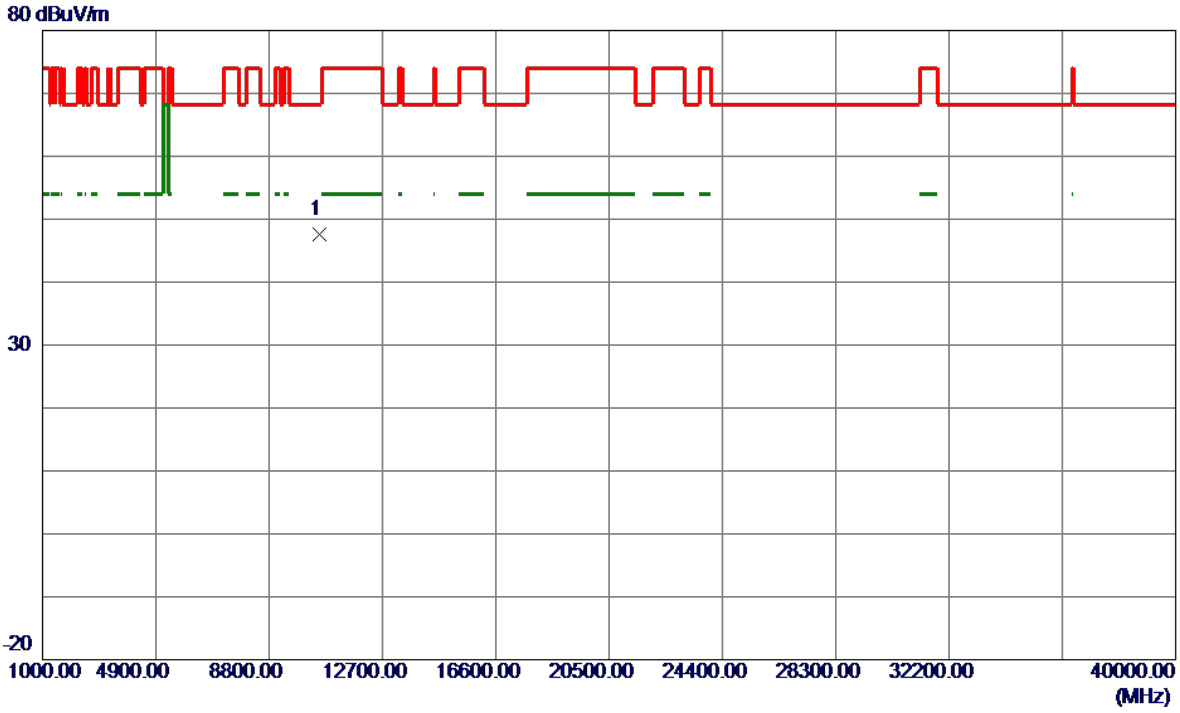
Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5255.2500	63.19	37.60	100.79	68.20	32.59	Peak	No limit
2	5255.2500	54.55	37.60	92.15	68.20	23.95	AVG	No limit
3	5360.1000	24.26	37.78	62.04	74.00	-11.96	Peak	
4	5360.1000	9.49	37.78	47.27	54.00	-6.73	AVG	

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

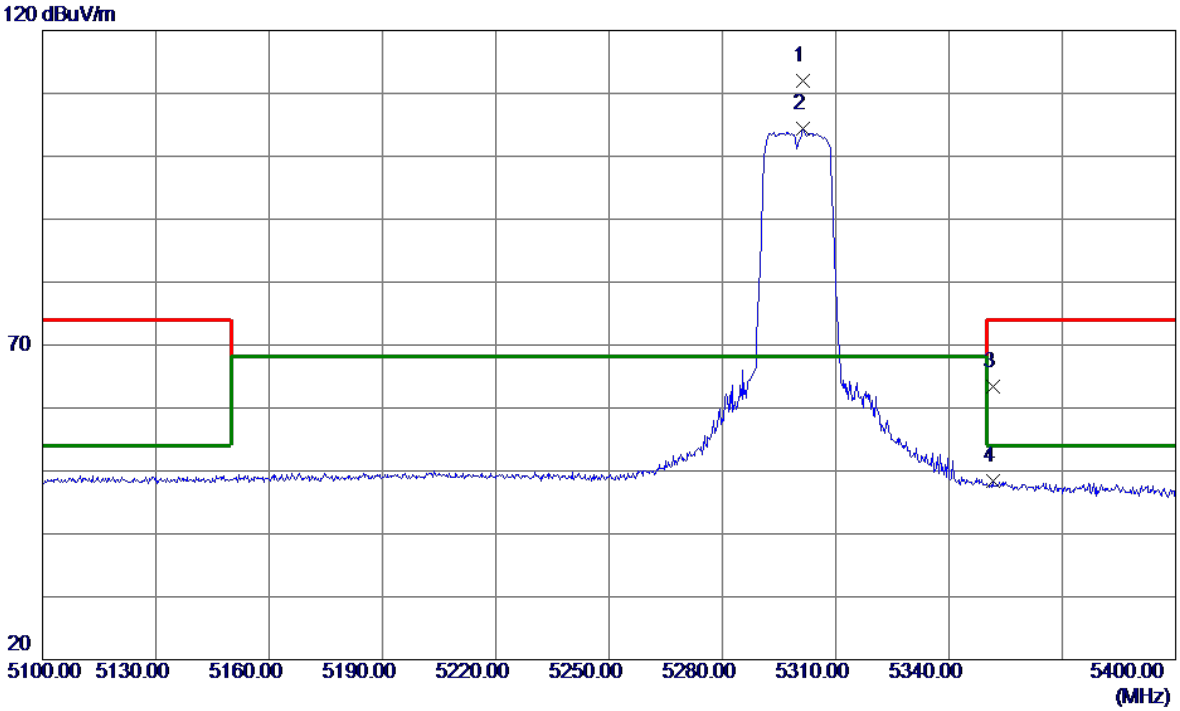
Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10520.0000	45.78	1.84	47.62	68.20	-20.58	Peak	

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

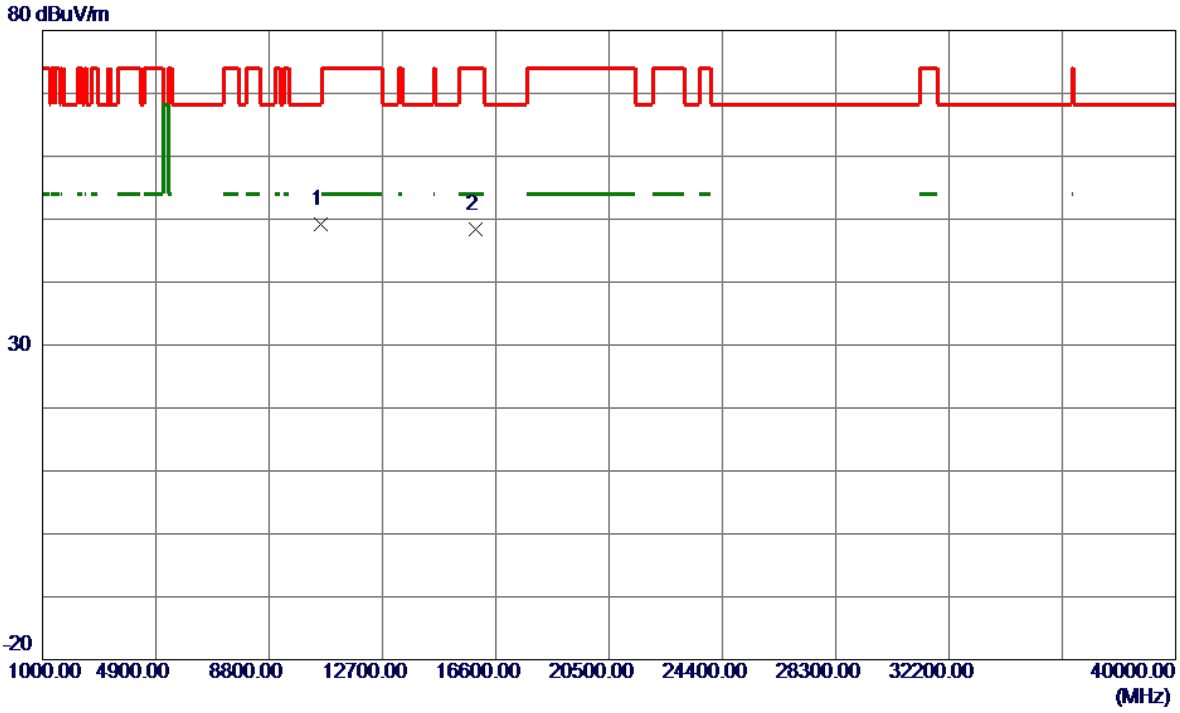
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5301.3000	74.49	37.54	112.03	68.20	43.83	Peak	No limit
2	5301.3000	66.92	37.54	104.46	68.20	36.26	AVG	No limit
3	5351.5500	25.70	37.74	63.44	74.00	-10.56	Peak	
4	5351.5500	10.68	37.74	48.42	54.00	-5.58	AVG	

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

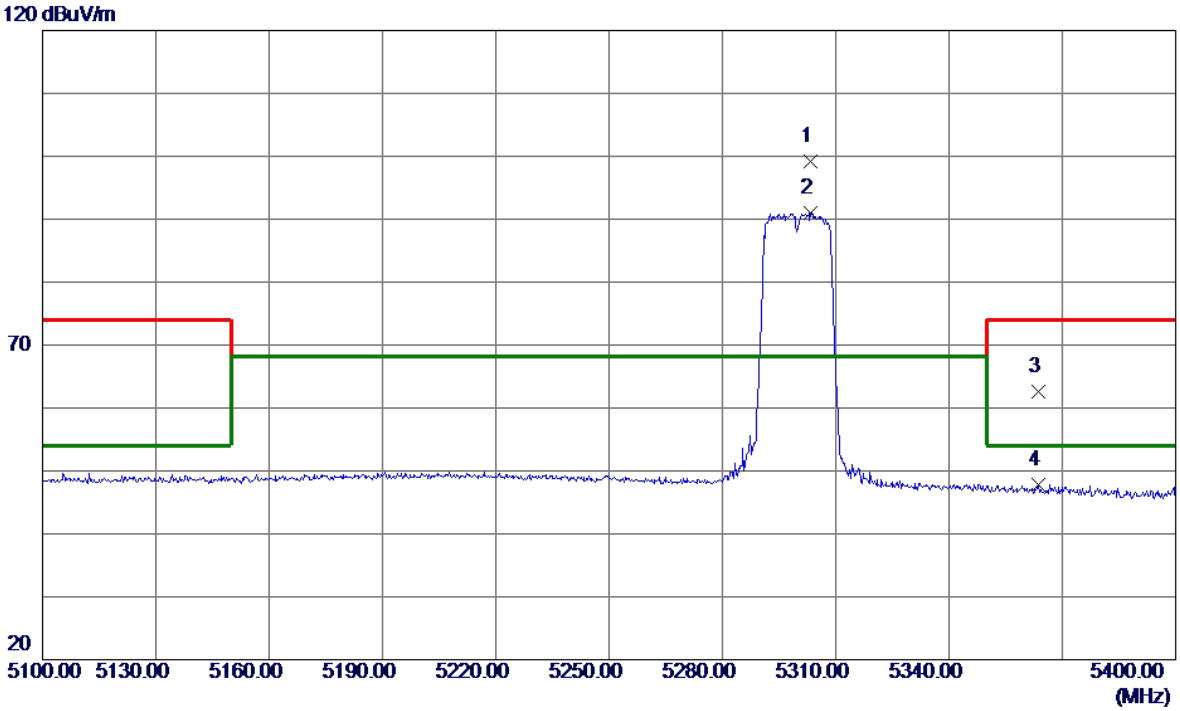
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10594.0000	47.35	1.91	49.26	68.20	-18.94	Peak	
2	15903.8500	45.84	2.60	48.44	74.00	-25.56	Peak	

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

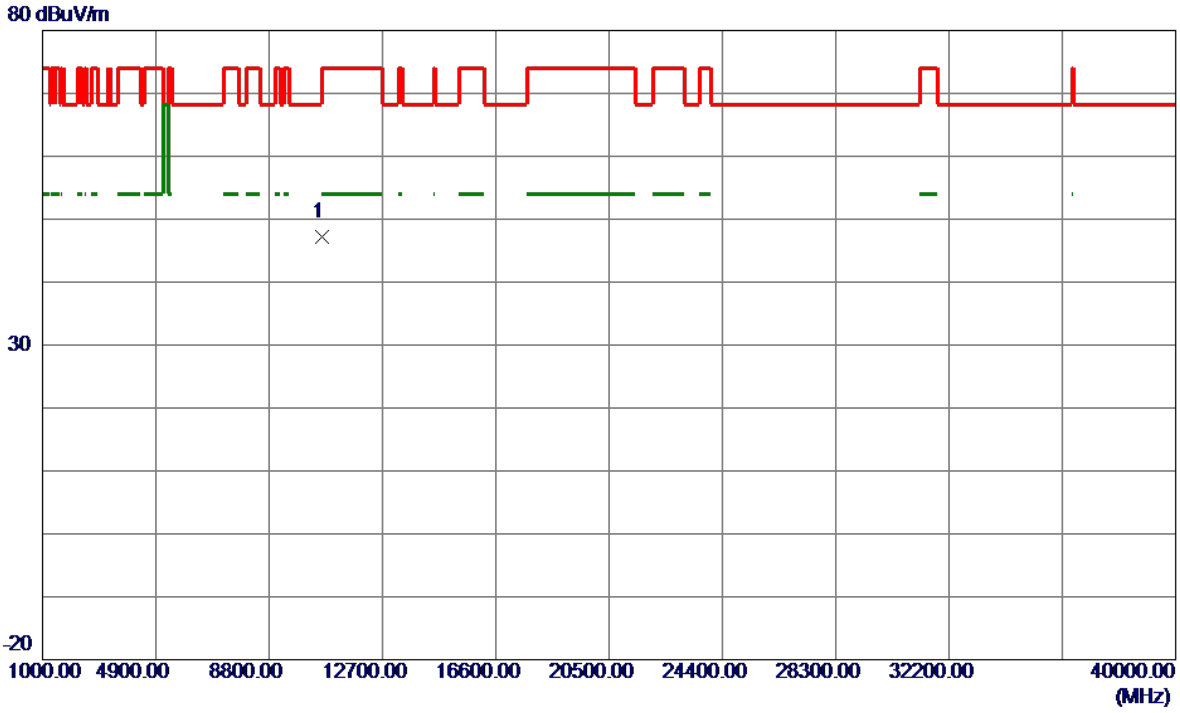
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5303.4000	61.56	37.55	99.11	68.20	30.91	Peak	No limit
2	5303.4000	53.50	37.55	91.05	68.20	22.85	AVG	No limit
3	5363.5500	24.74	37.79	62.53	74.00	-11.47	Peak	
4	5363.5500	9.97	37.79	47.76	54.00	-6.24	AVG	

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

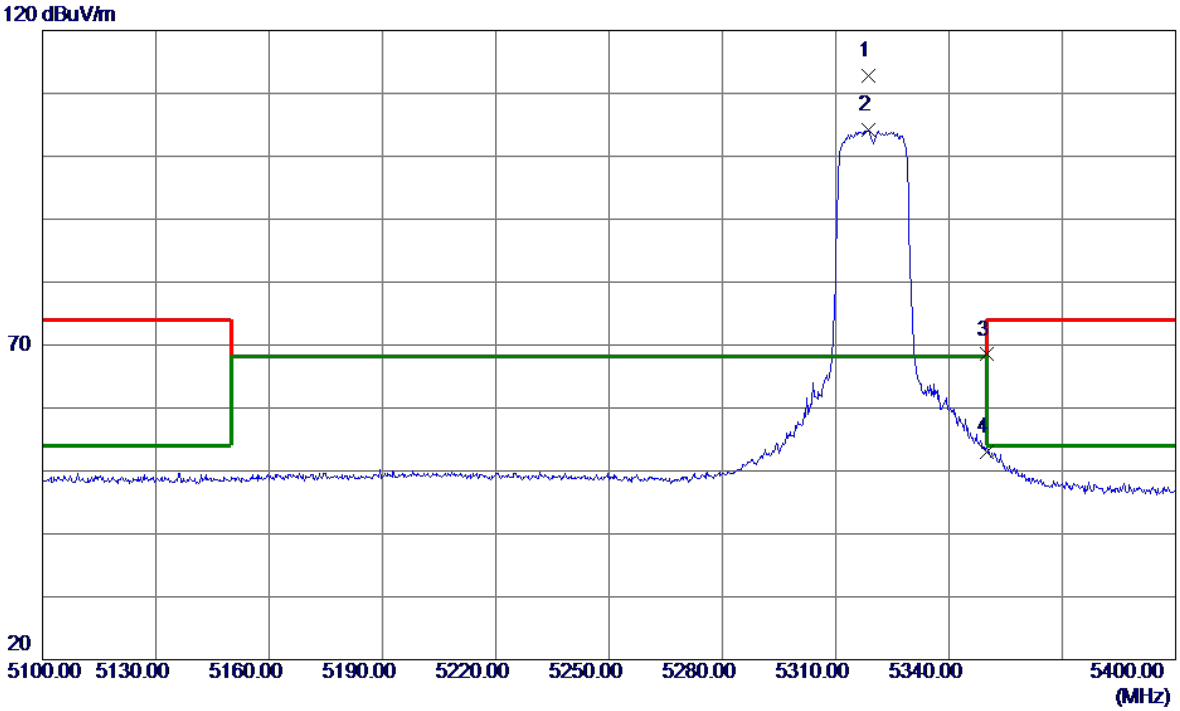
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10600.0000	45.24	1.92	47.16	68.20	-21.04	Peak	

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

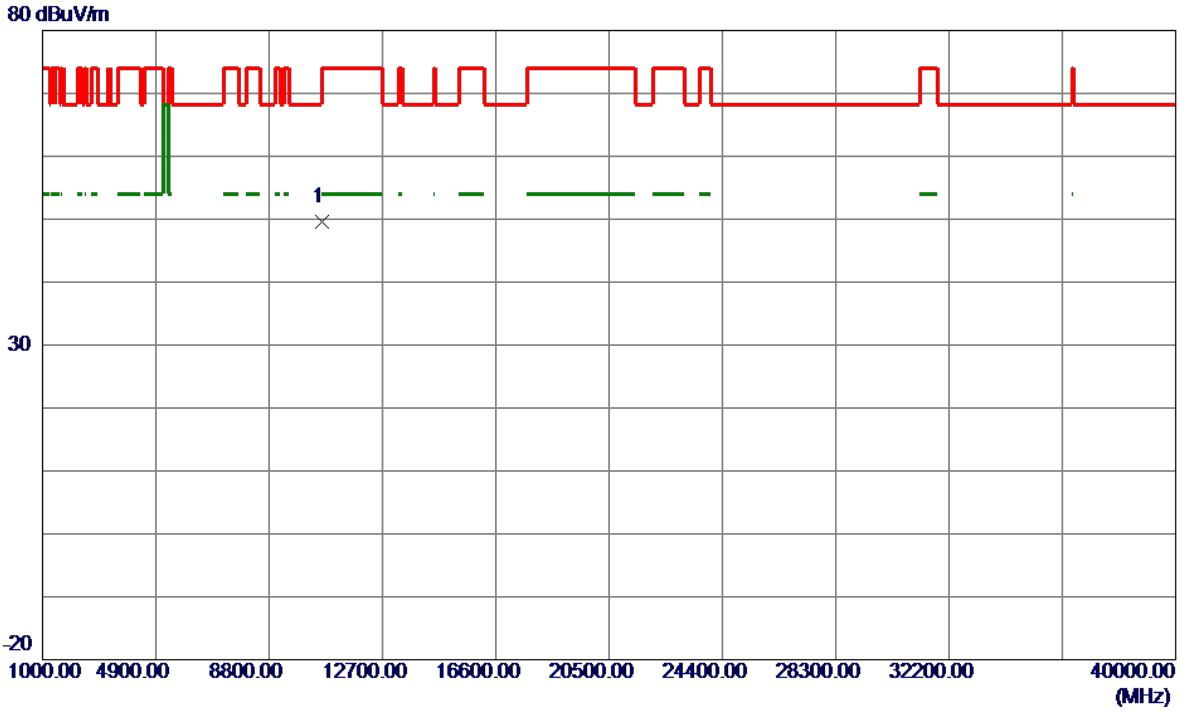
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5318.7000	75.24	37.61	112.85	68.20	44.65	Peak	No limit
2	5318.7000	66.53	37.61	104.14	68.20	35.94	AVG	No limit
3	5350.0000	30.76	37.74	68.50	74.00	-5.50	Peak	
4	5350.0000	15.24	37.74	52.98	54.00	-1.02	AVG	

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

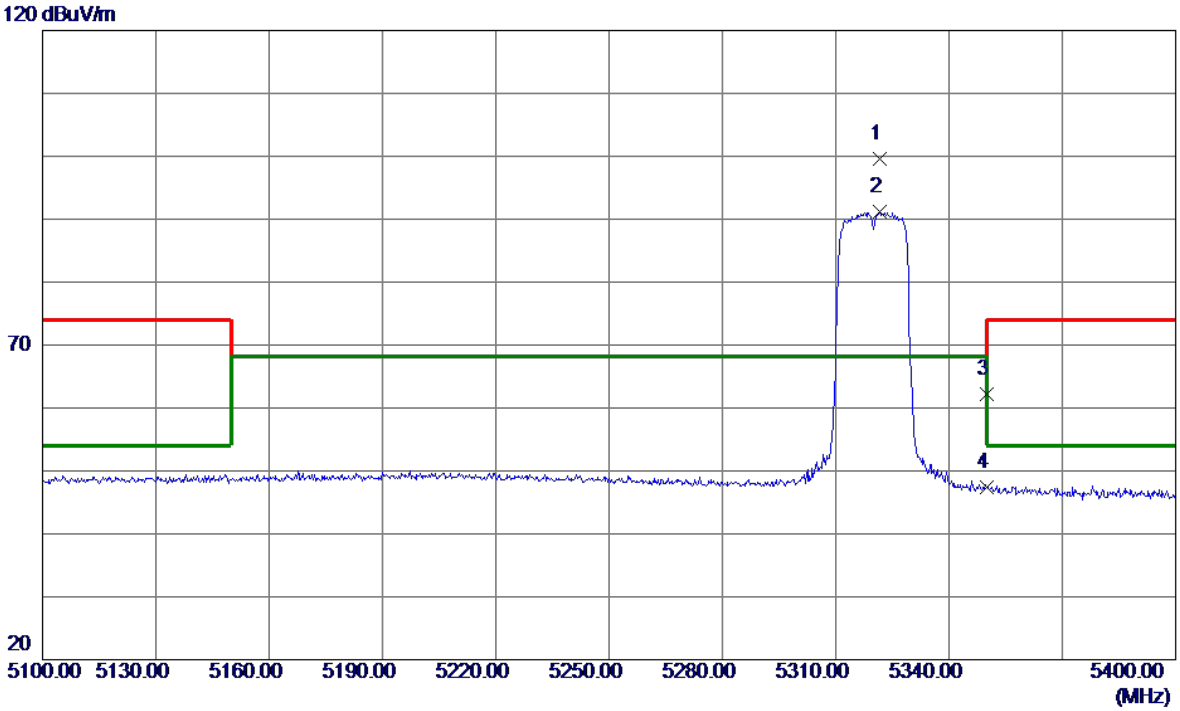
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10638.8500	47.70	1.94	49.64	74.00	-24.36	Peak	

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

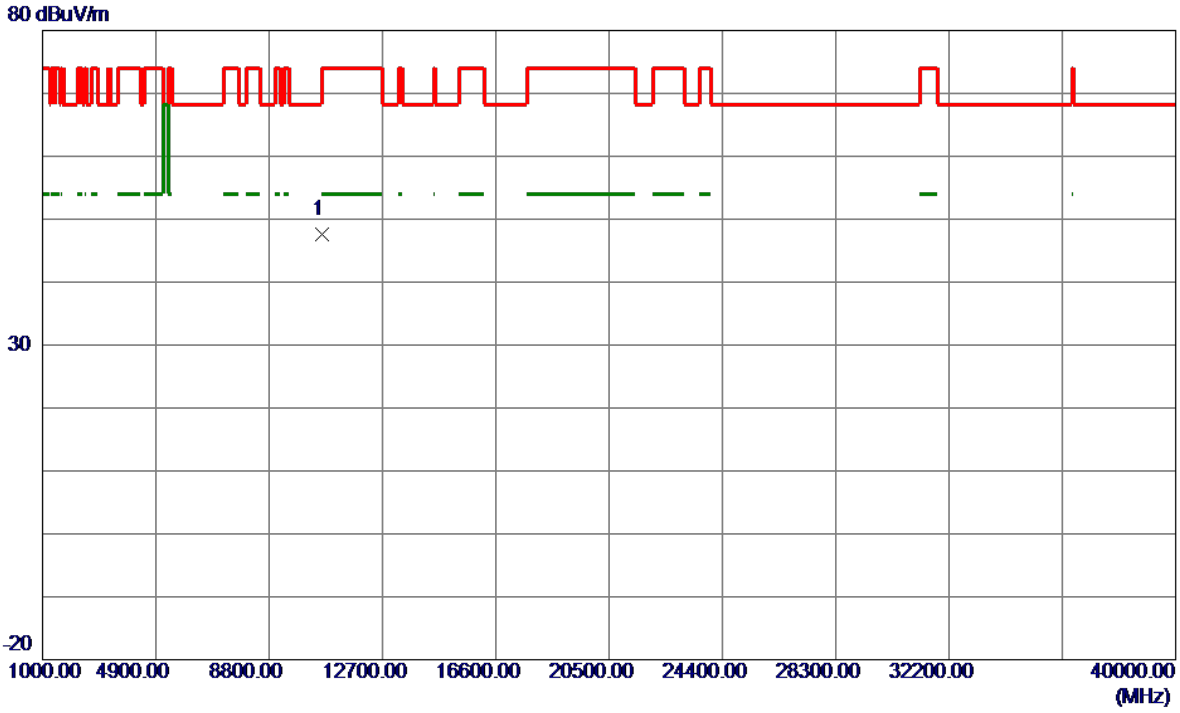
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5321.5500	61.89	37.62	99.51	68.20	31.31	Peak	No limit
2	5321.5500	53.66	37.62	91.28	68.20	23.08	AVG	No limit
3	5350.0000	24.50	37.74	62.24	74.00	-11.76	Peak	
4	5350.0000	9.72	37.74	47.46	54.00	-6.54	AVG	

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

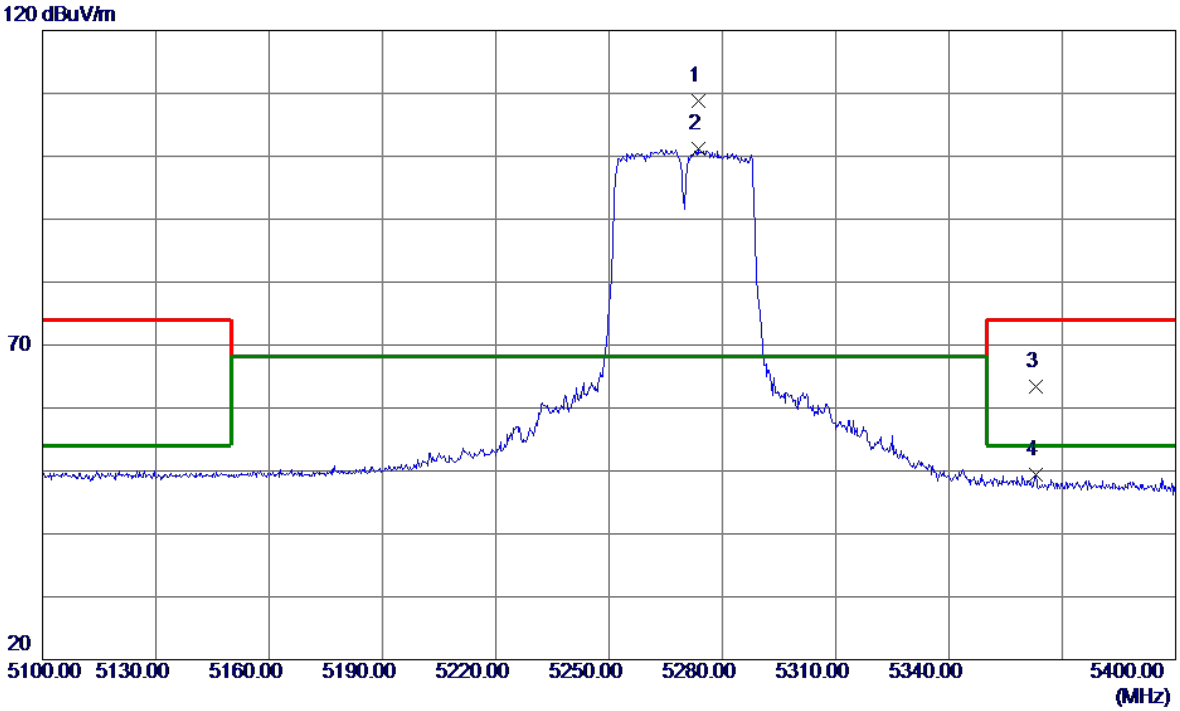
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10640.0000	45.67	1.94	47.61	74.00	-26.39	Peak	

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

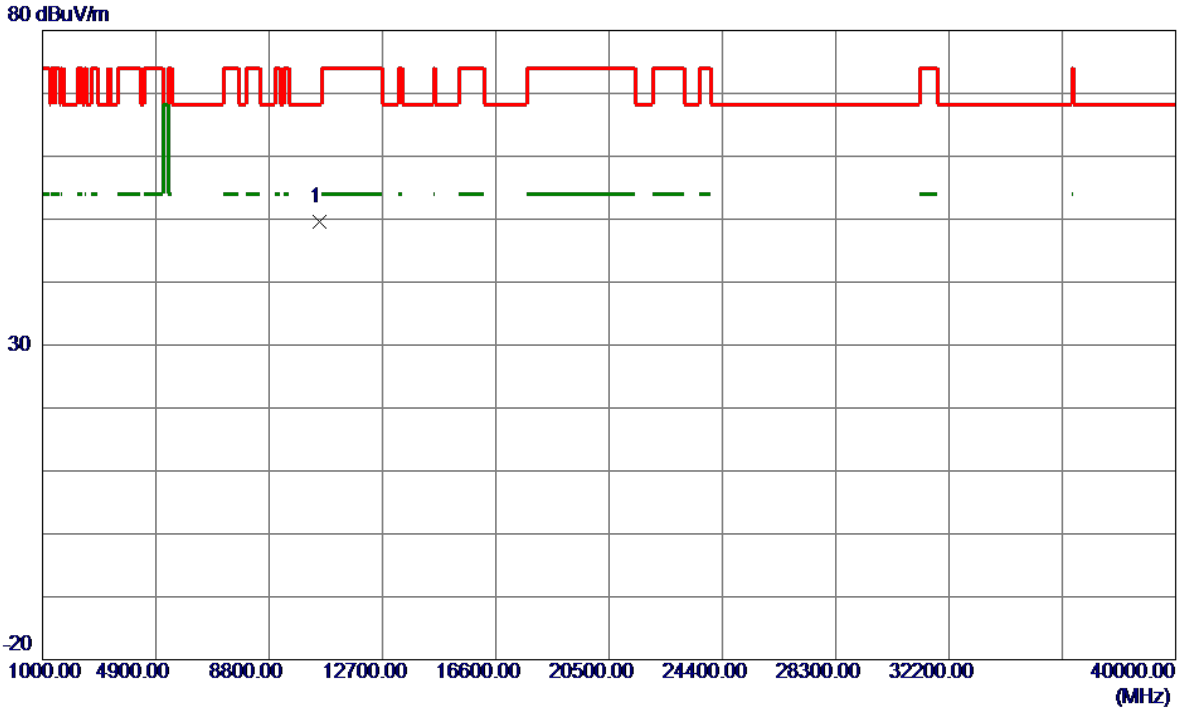
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5273.5500	71.27	37.57	108.84	68.20	40.64	Peak	No limit
2	5273.5500	63.56	37.57	101.13	68.20	32.93	AVG	No limit
3	5362.9500	25.60	37.79	63.39	74.00	-10.61	Peak	
4	5362.9500	11.53	37.79	49.32	54.00	-4.68	AVG	

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

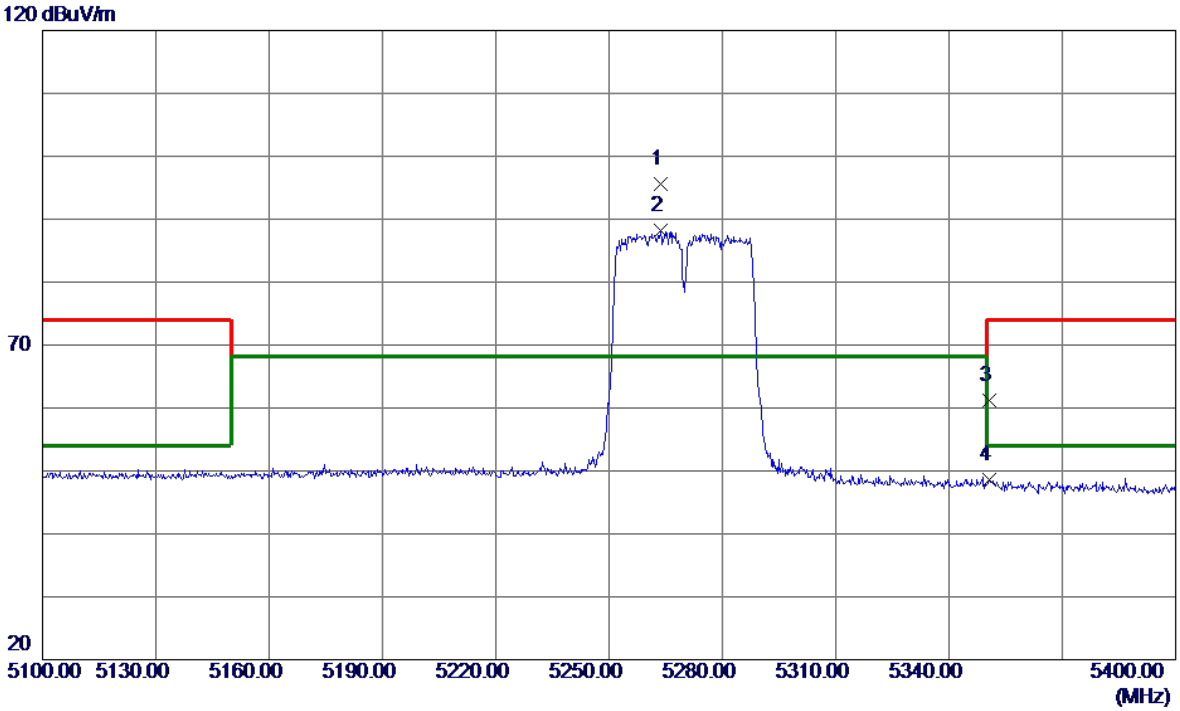
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10541.3500	47.69	1.86	49.55	68.20	-18.65	Peak	

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

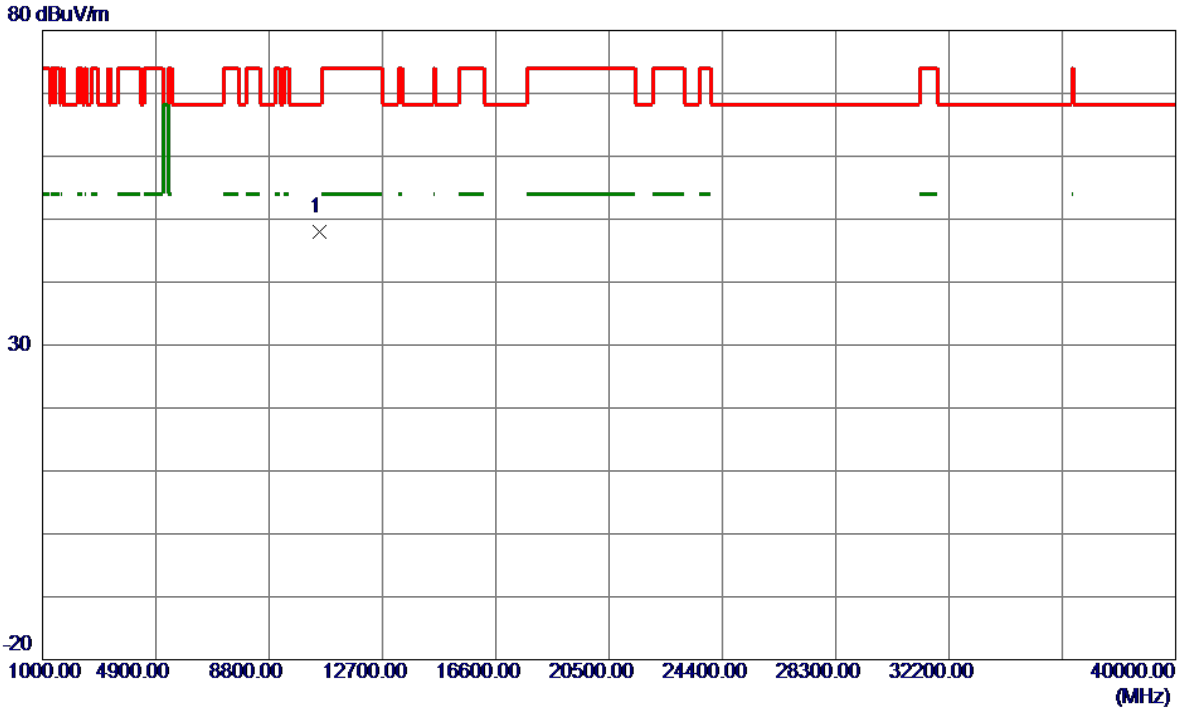
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5263.6500	57.92	37.59	95.51	68.20	27.31	Peak	No limit
2	5263.6500	50.67	37.59	88.26	68.20	20.06	AVG	No limit
3	5350.6500	23.51	37.74	61.25	74.00	-12.75	Peak	
4	5350.6500	10.81	37.74	48.55	54.00	-5.45	AVG	

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

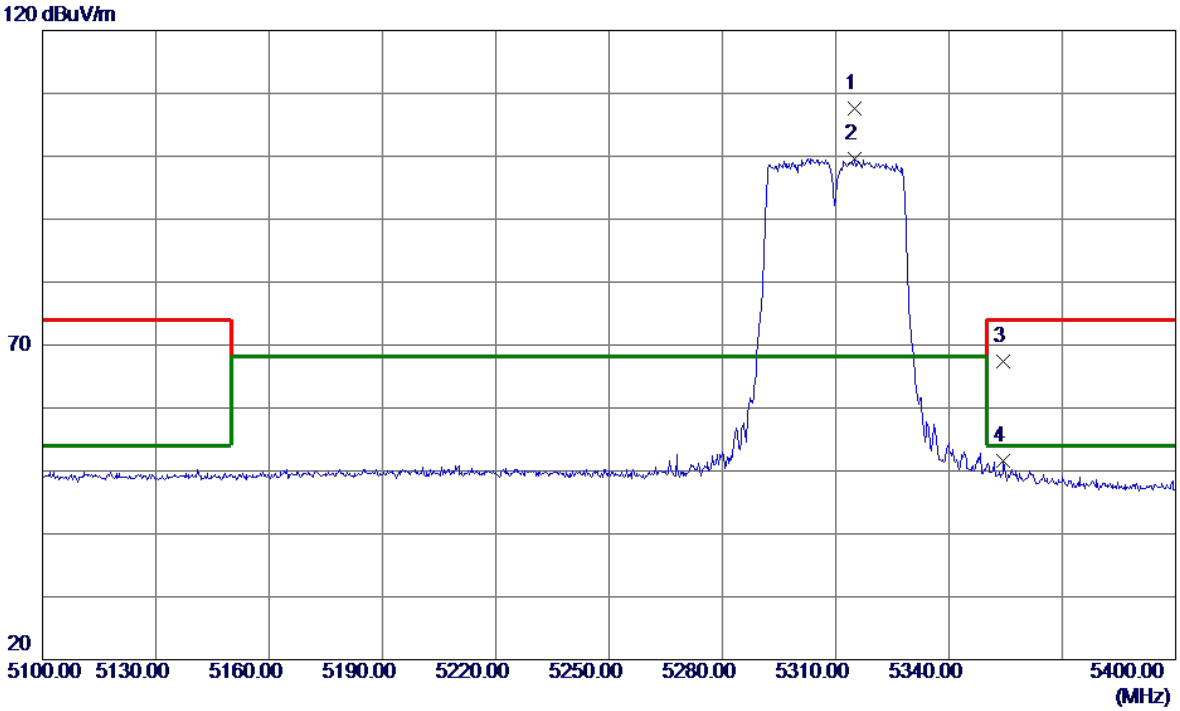
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10540.0000	46.08	1.86	47.94	68.20	-20.26	Peak	

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

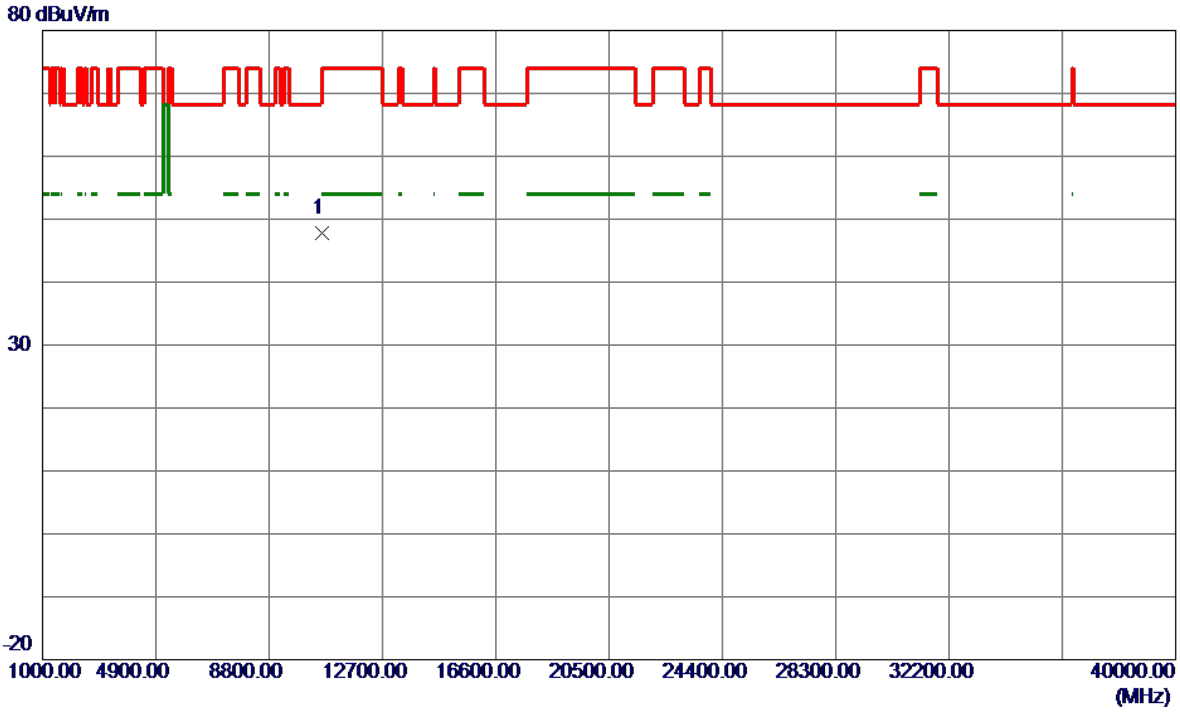
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5315.1000	69.95	37.60	107.55	68.20	39.35	Peak	No limit
2	5315.1000	62.02	37.60	99.62	68.20	31.42	AVG	No limit
3	5354.4000	29.70	37.76	67.46	74.00	-6.54	Peak	
4	5354.4000	13.76	37.76	51.52	54.00	-2.48	AVG	

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

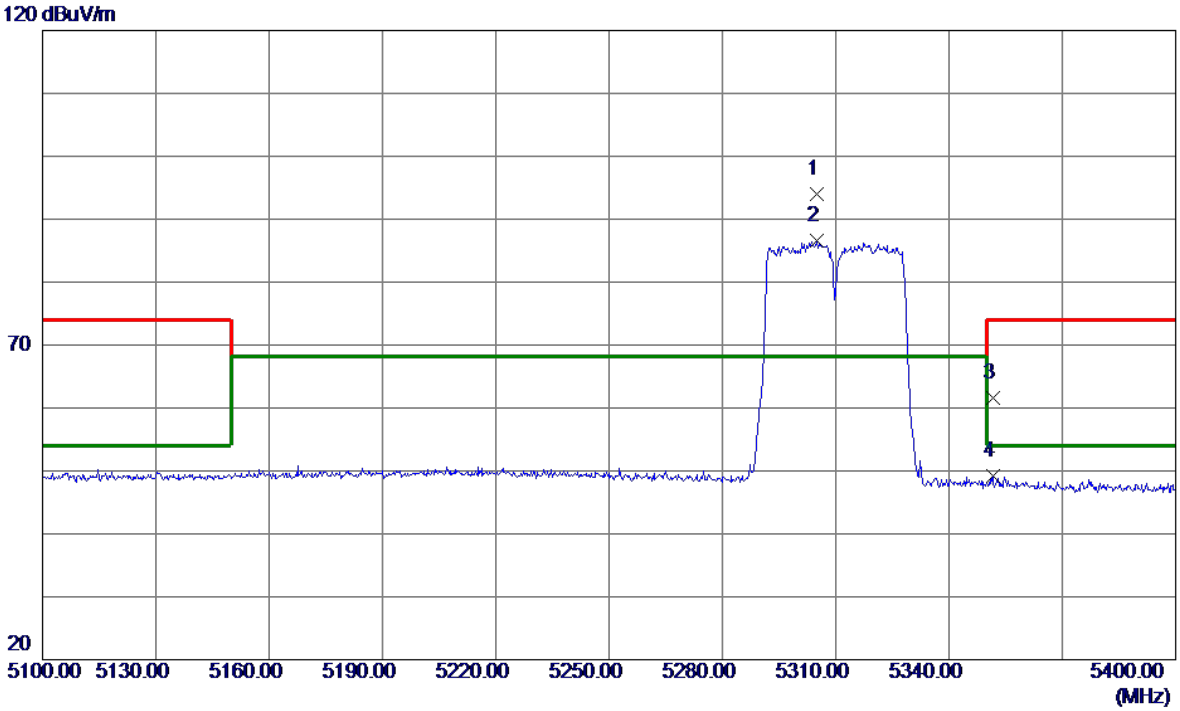
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10620.0000	45.91	1.93	47.84	74.00	-26.16	Peak	

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

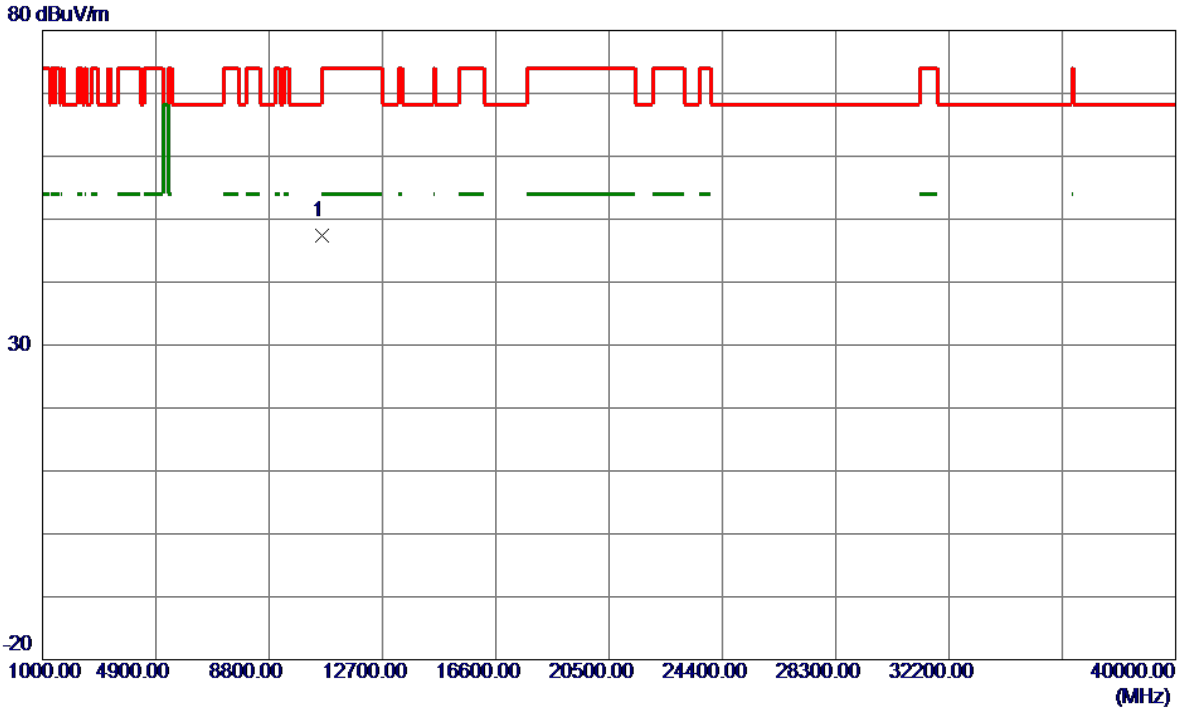
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5304.9000	56.35	37.55	93.90	68.20	25.70	Peak	No limit
2	5304.9000	48.97	37.55	86.52	68.20	18.32	AVG	No limit
3	5351.5500	23.89	37.74	61.63	74.00	-12.37	Peak	
4	5351.5500	11.39	37.74	49.13	54.00	-4.87	AVG	

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

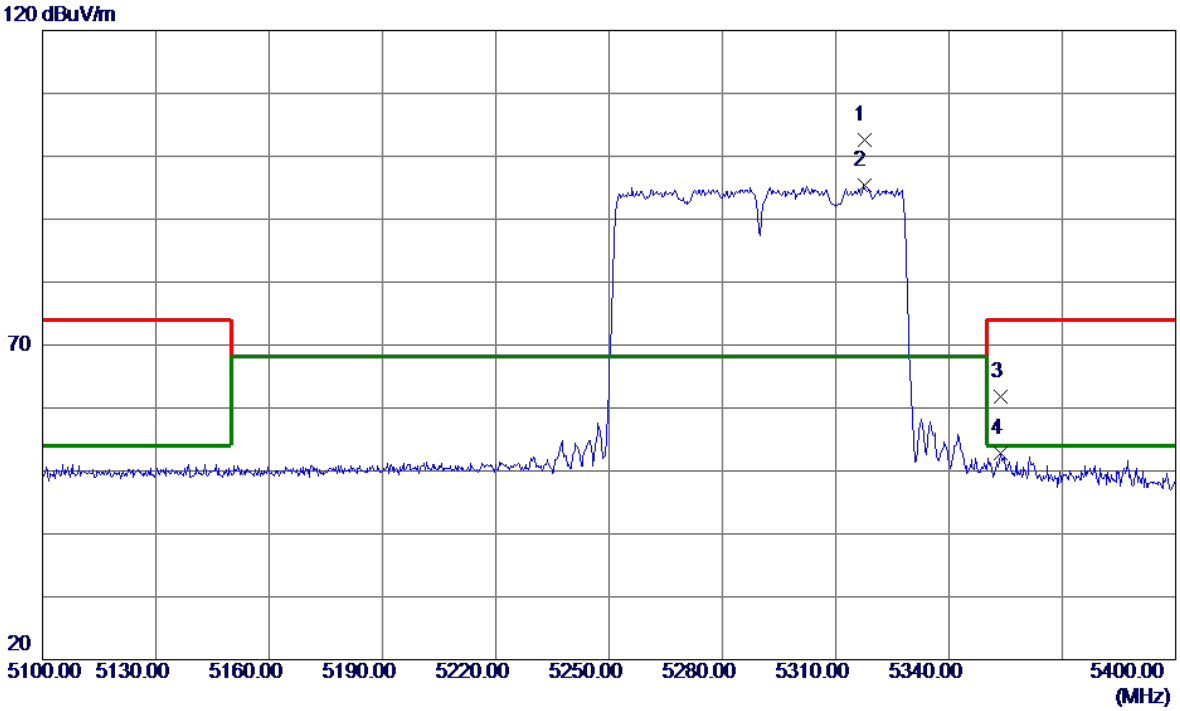
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10620.0000	45.53	1.93	47.46	74.00	-26.54	Peak	

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

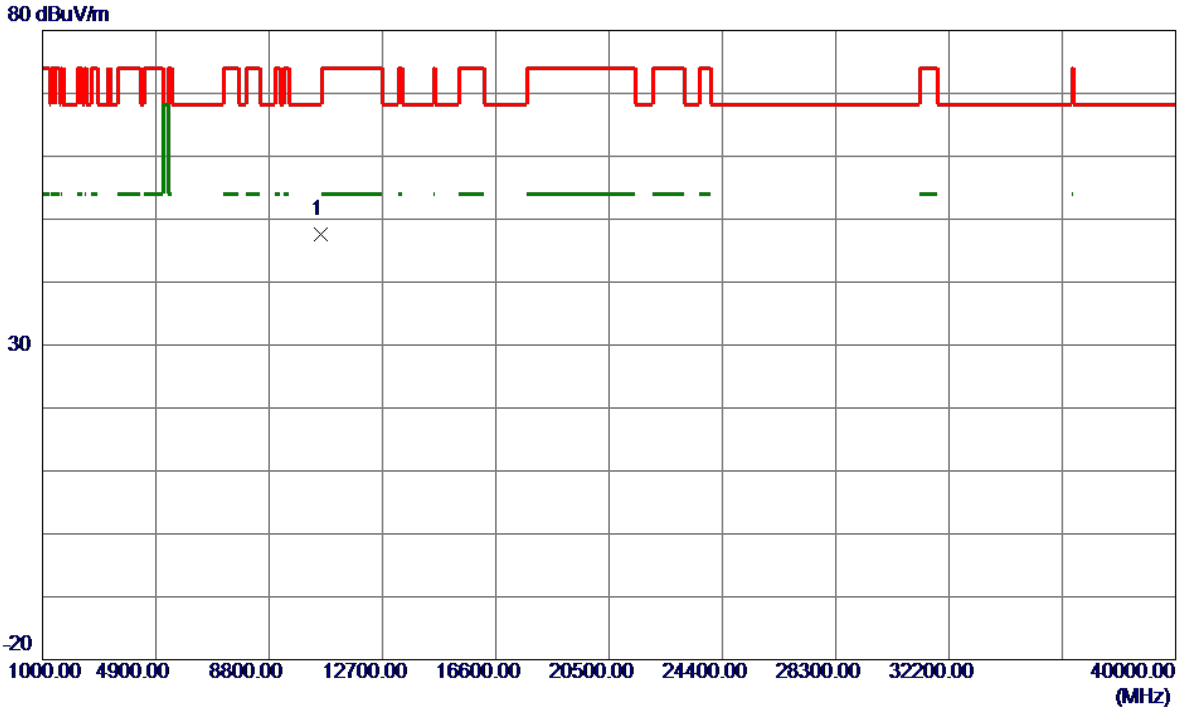
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5317.5000	64.98	37.61	102.59	68.20	34.39	Peak	No limit
2	5317.5000	57.88	37.61	95.49	68.20	27.29	AVG	No limit
3	5353.8000	23.96	37.75	61.71	74.00	-12.29	Peak	
4	5353.8000	14.96	37.75	52.71	54.00	-1.29	AVG	

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

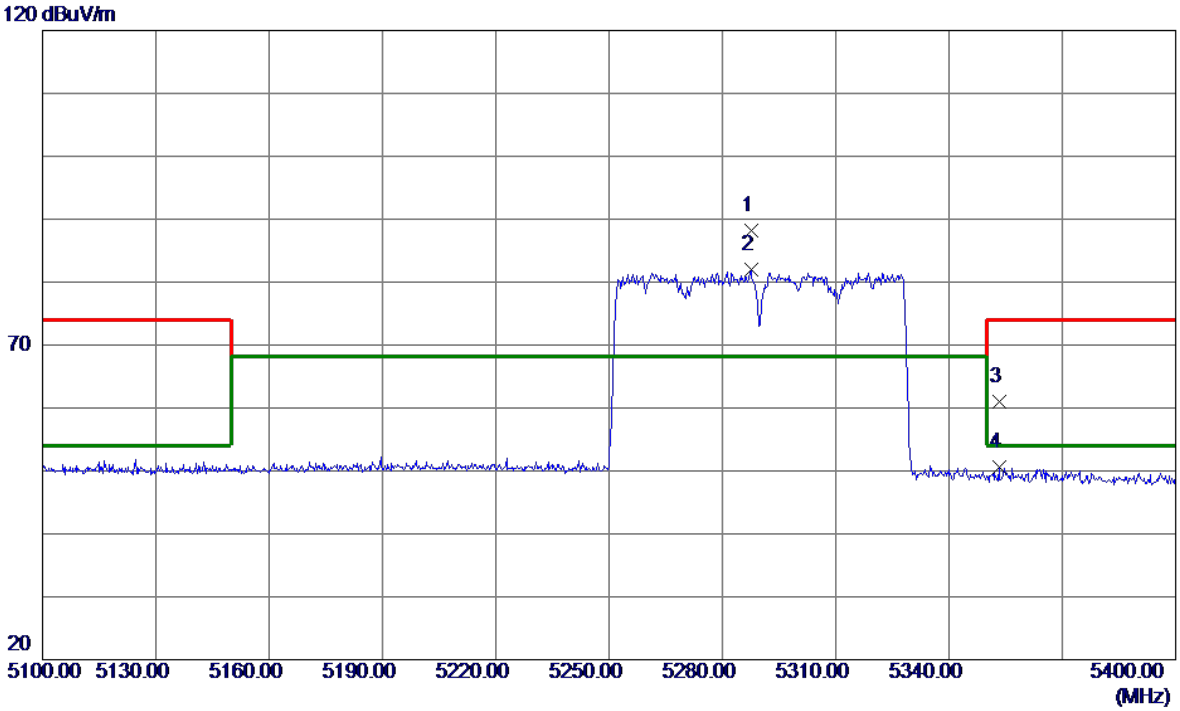
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10580.0000	45.77	1.90	47.67	68.20	-20.53	Peak	

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

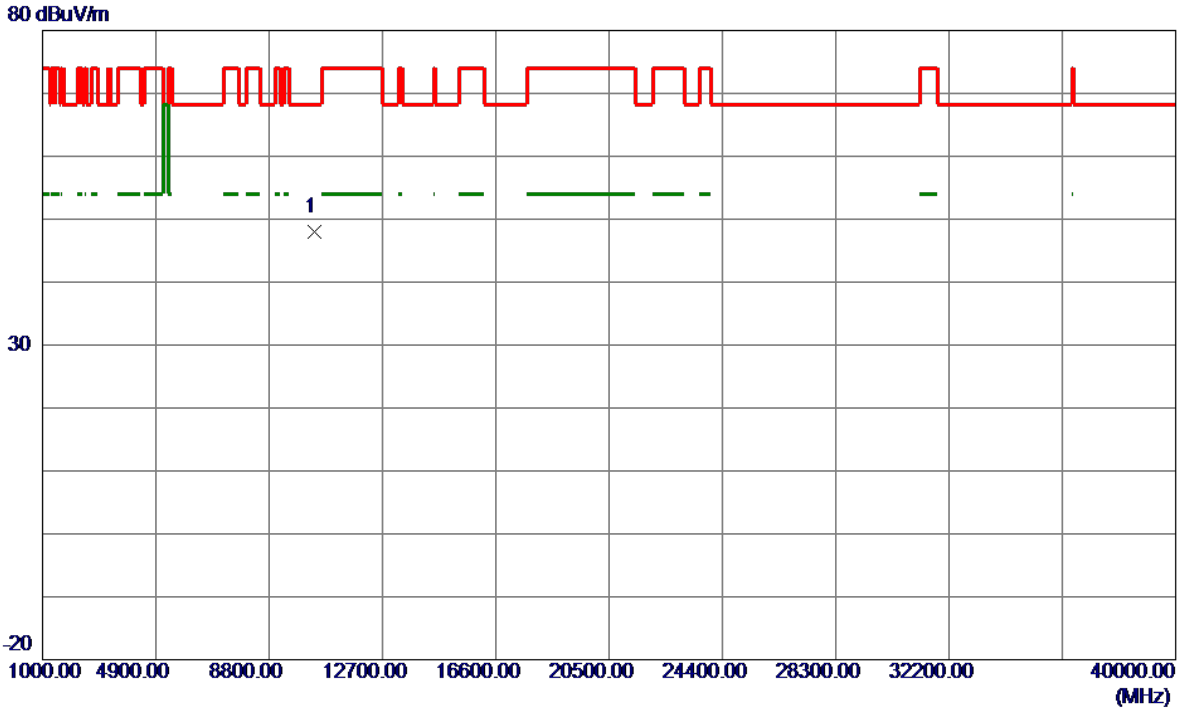
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5287.6500	50.70	37.55	88.25	68.20	20.05	Peak	No limit
2	5287.6500	44.51	37.55	82.06	68.20	13.86	AVG	No limit
3	5353.2000	23.18	37.75	60.93	74.00	-13.07	Peak	
4	5353.2000	12.76	37.75	50.51	54.00	-3.49	AVG	

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

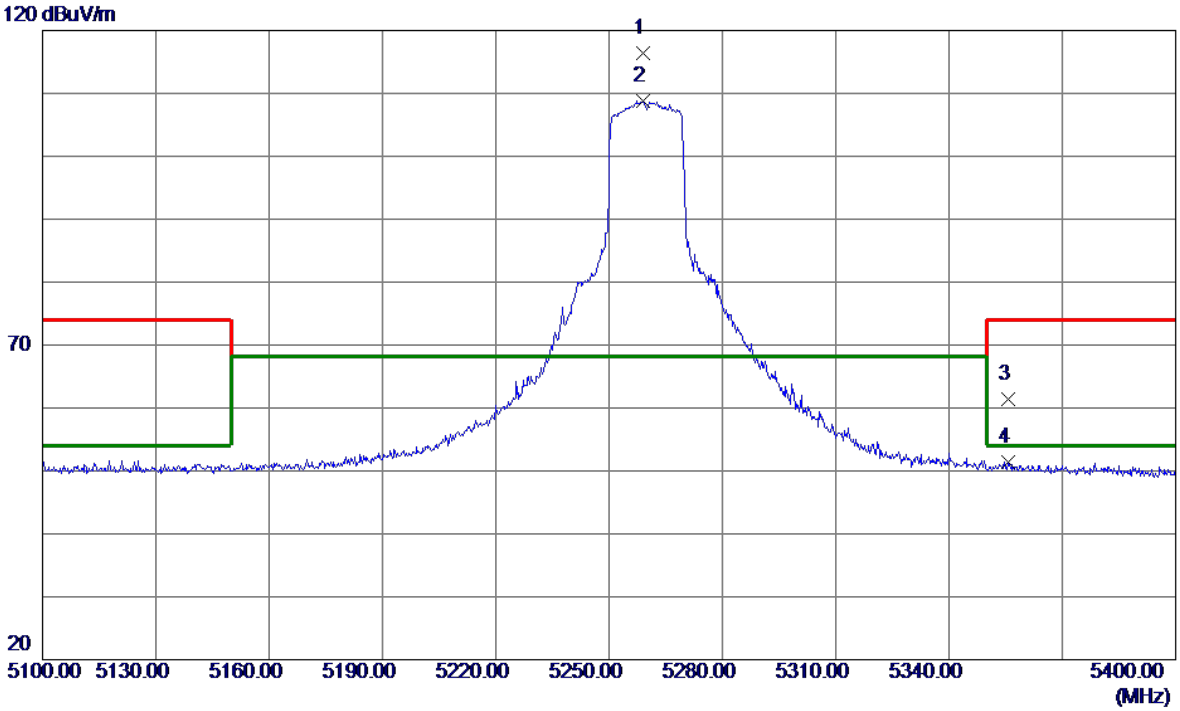
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0000	46.39	1.68	48.07	68.20	-20.13	Peak	

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

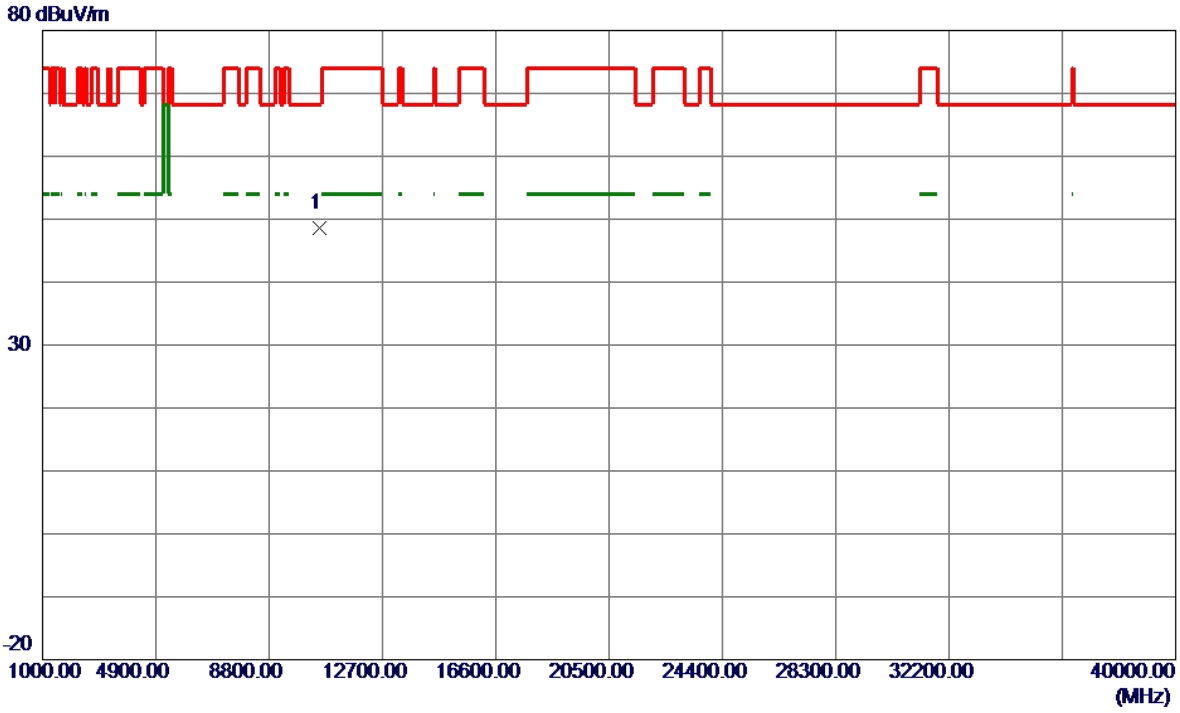
Test Mode	UNII-2A_TX AX(HE20) Mode 5260 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5259.0000	78.89	37.59	116.48	68.20	48.28	Peak	No limit
2	5259.0000	71.29	37.59	108.88	68.20	40.68	AVG	No limit
3	5355.6000	23.55	37.76	61.31	74.00	-12.69	Peak	
4	5355.6000	13.59	37.76	51.35	54.00	-2.65	AVG	

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

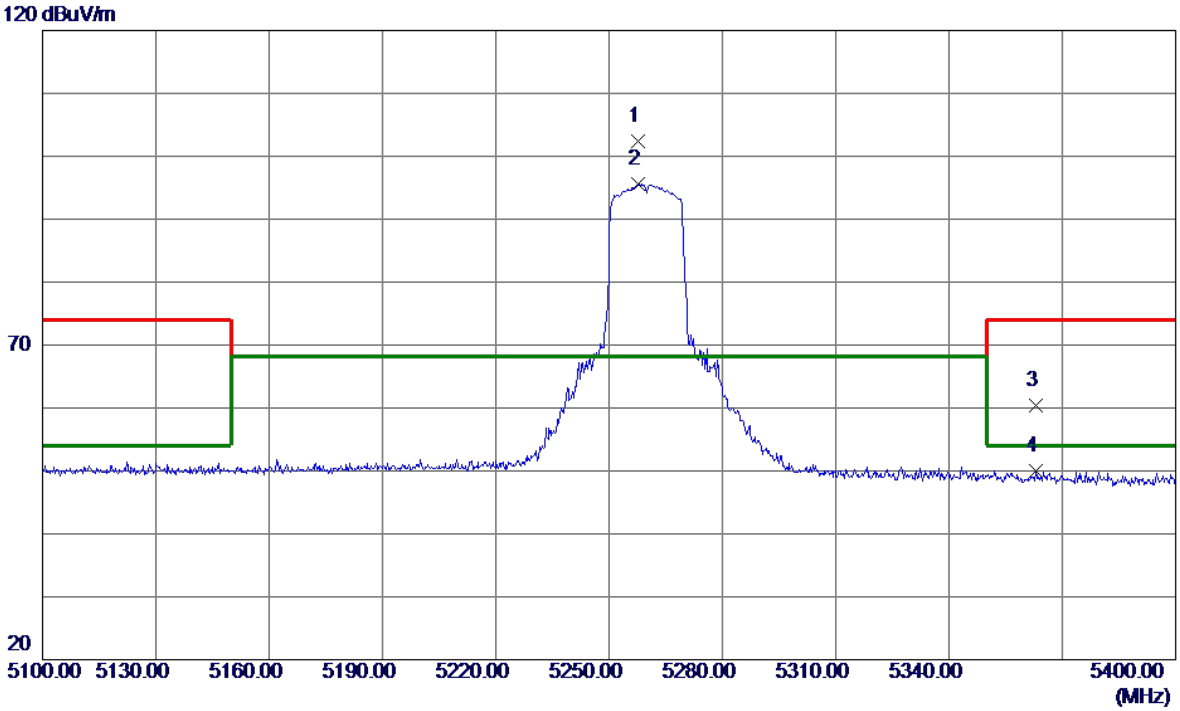
Test Mode	UNII-2A_TX AX(HE20) Mode 5260 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10520.0000	46.73	1.84	48.57	68.20	-19.63	Peak	

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

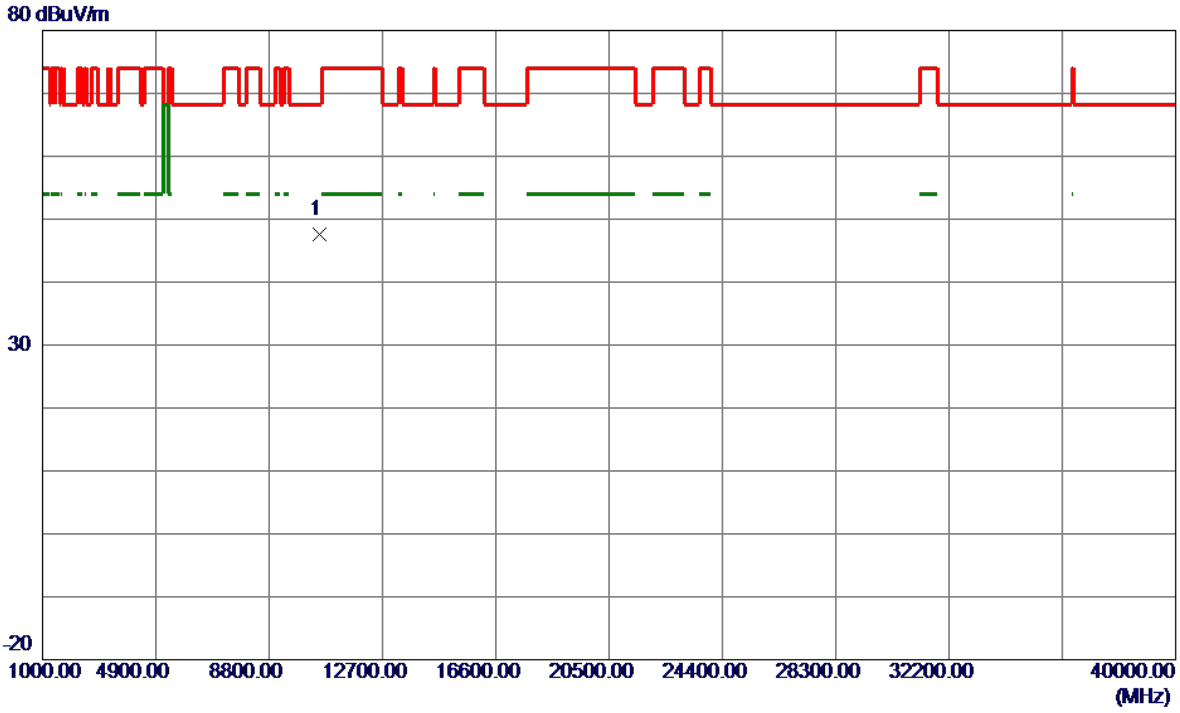
Test Mode	UNII-2A_TX AX(HE20) Mode 5260 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5257.8000	64.83	37.60	102.43	68.20	34.23	Peak	No limit
2	5257.8000	57.98	37.60	95.58	68.20	27.38	AVG	No limit
3	5362.9500	22.63	37.79	60.42	74.00	-13.58	Peak	
4	5362.9500	12.22	37.79	50.01	54.00	-3.99	AVG	

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

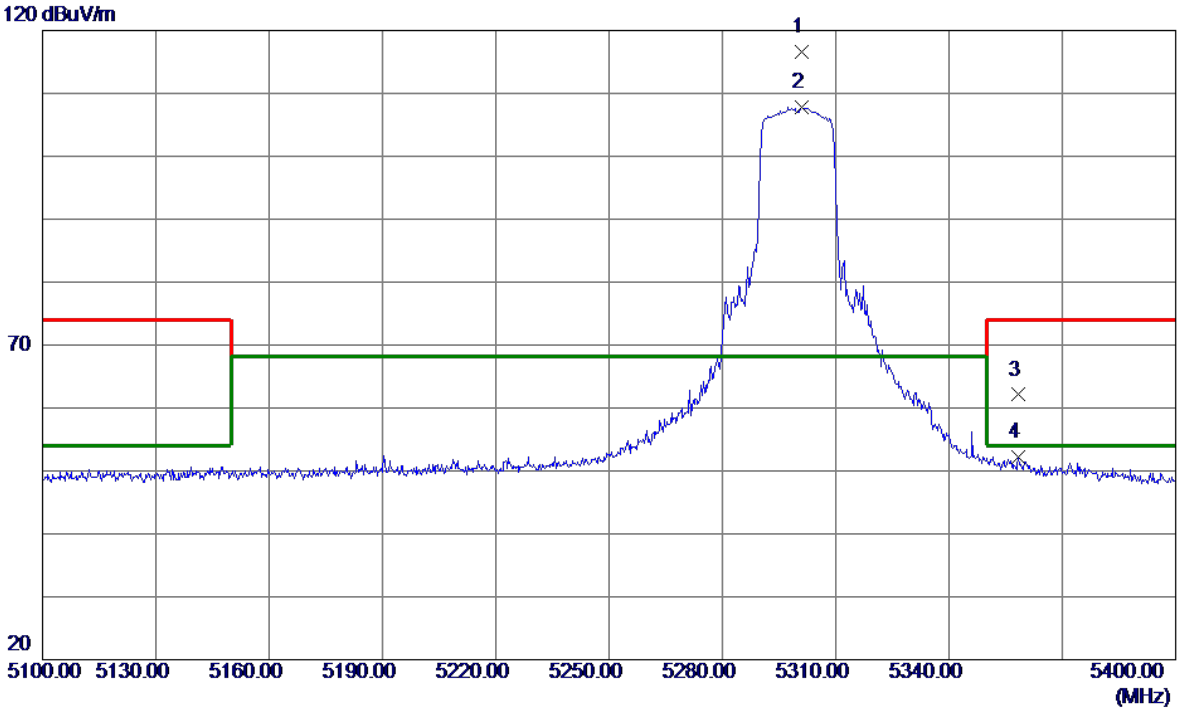
Test Mode	UNII-2A_TX AX(HE20) Mode 5260 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10520.0000	45.69	1.84	47.53	68.20	-20.67	Peak	

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

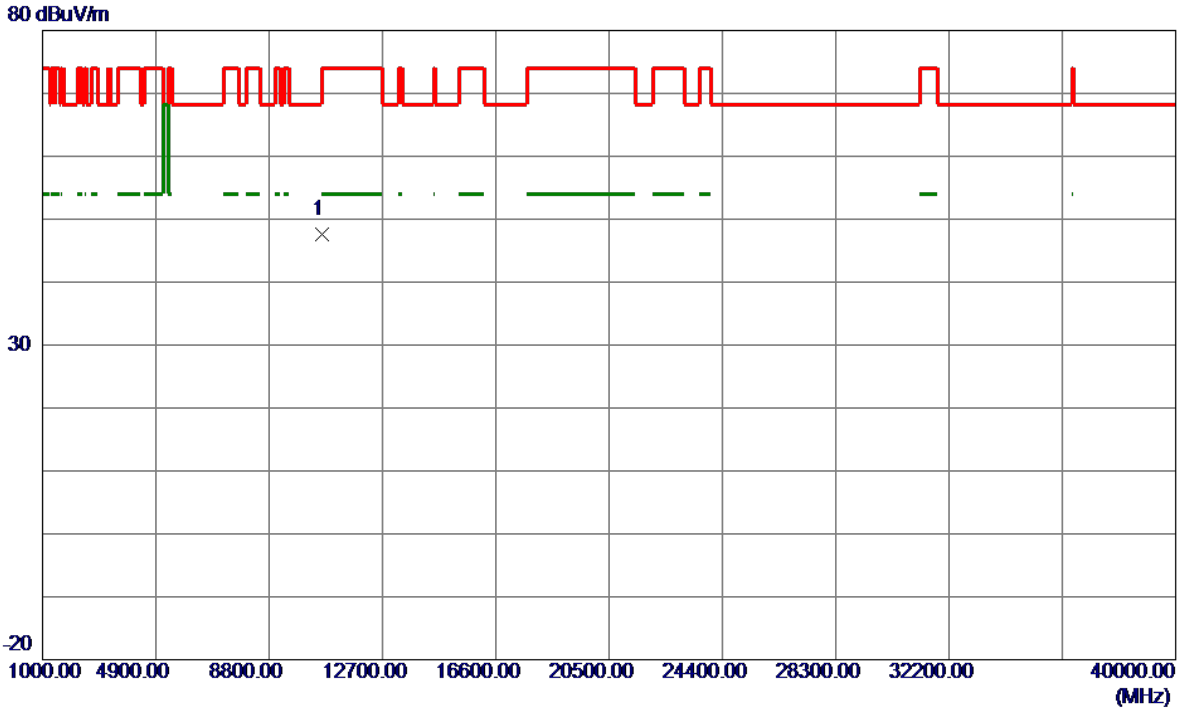
Test Mode	UNII-2A_TX AX(HE20) Mode 5300 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5301.1500	79.04	37.54	116.58	68.20	48.38	Peak	No limit
2	5301.1500	70.28	37.54	107.82	68.20	39.62	AVG	No limit
3	5358.4500	24.33	37.77	62.10	74.00	-11.90	Peak	
4	5358.4500	14.52	37.77	52.29	54.00	-1.71	AVG	

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

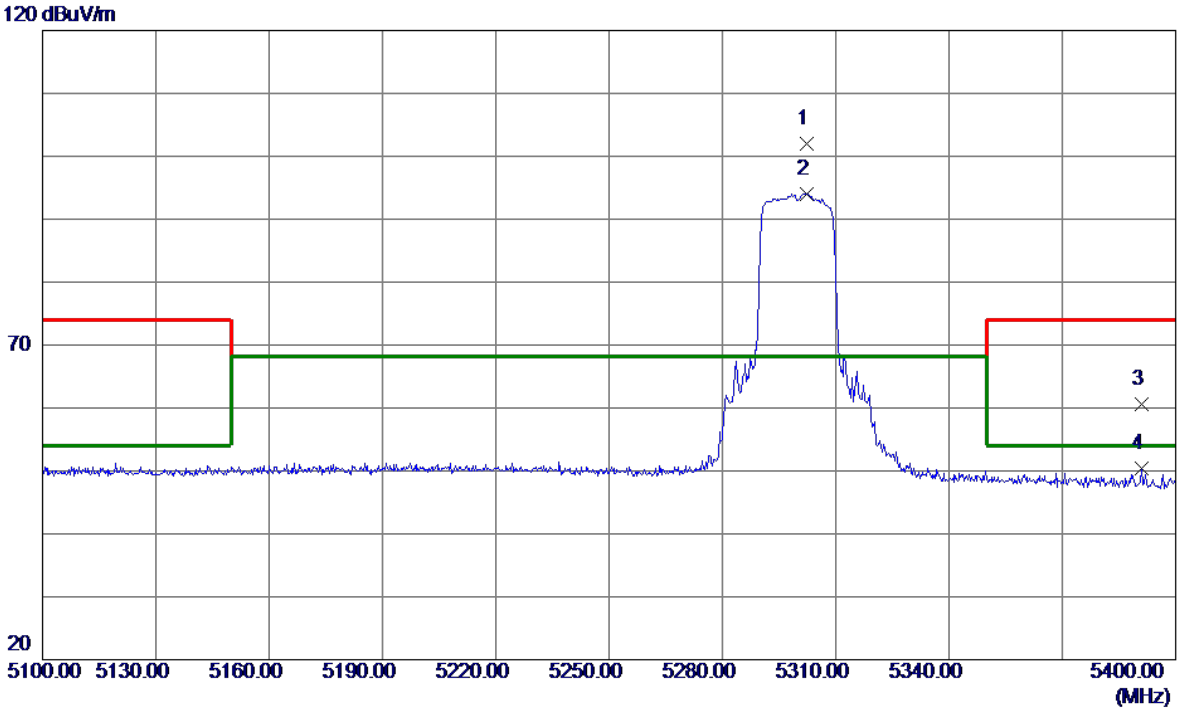
Test Mode	UNII-2A_TX AX(HE20) Mode 5300 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10600.0000	45.65	1.92	47.57	68.20	-20.63	Peak	

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

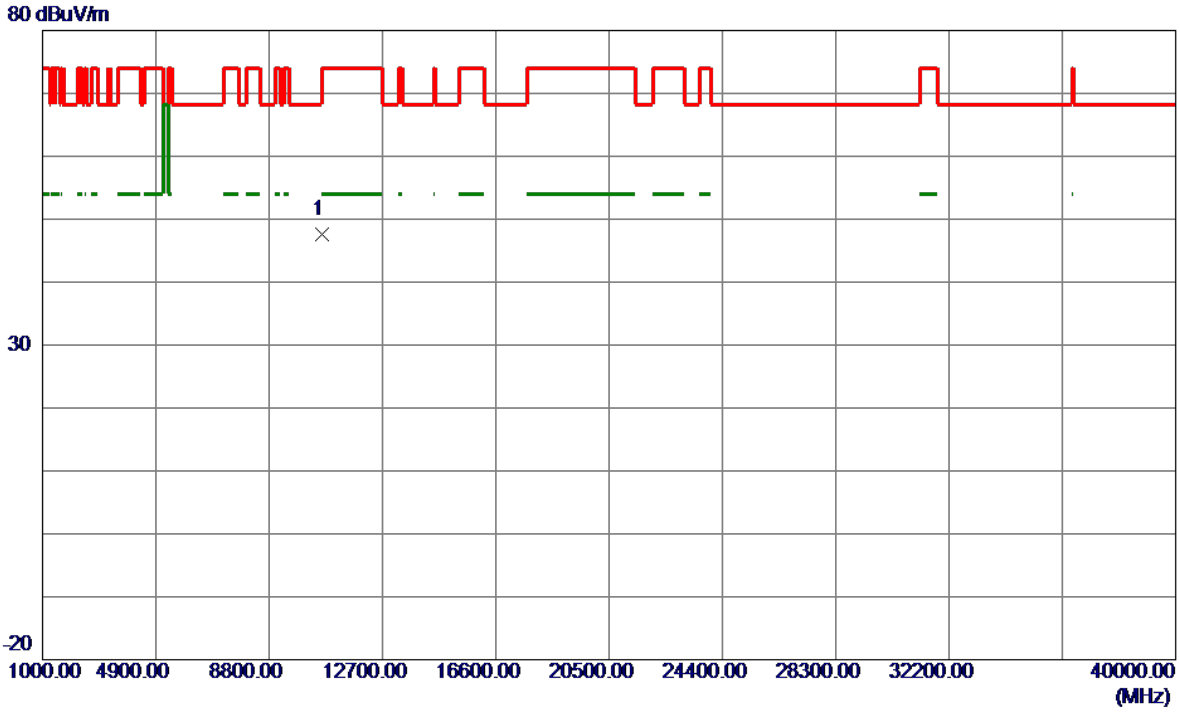
Test Mode	UNII-2A_TX AX(HE20) Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5302.3500	64.36	37.54	101.90	68.20	33.70	Peak	No limit
2	5302.3500	56.52	37.54	94.06	68.20	25.86	AVG	No limit
3	5391.0000	22.77	37.90	60.67	74.00	-13.33	Peak	
4	5391.0000	12.46	37.90	50.36	54.00	-3.64	AVG	

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

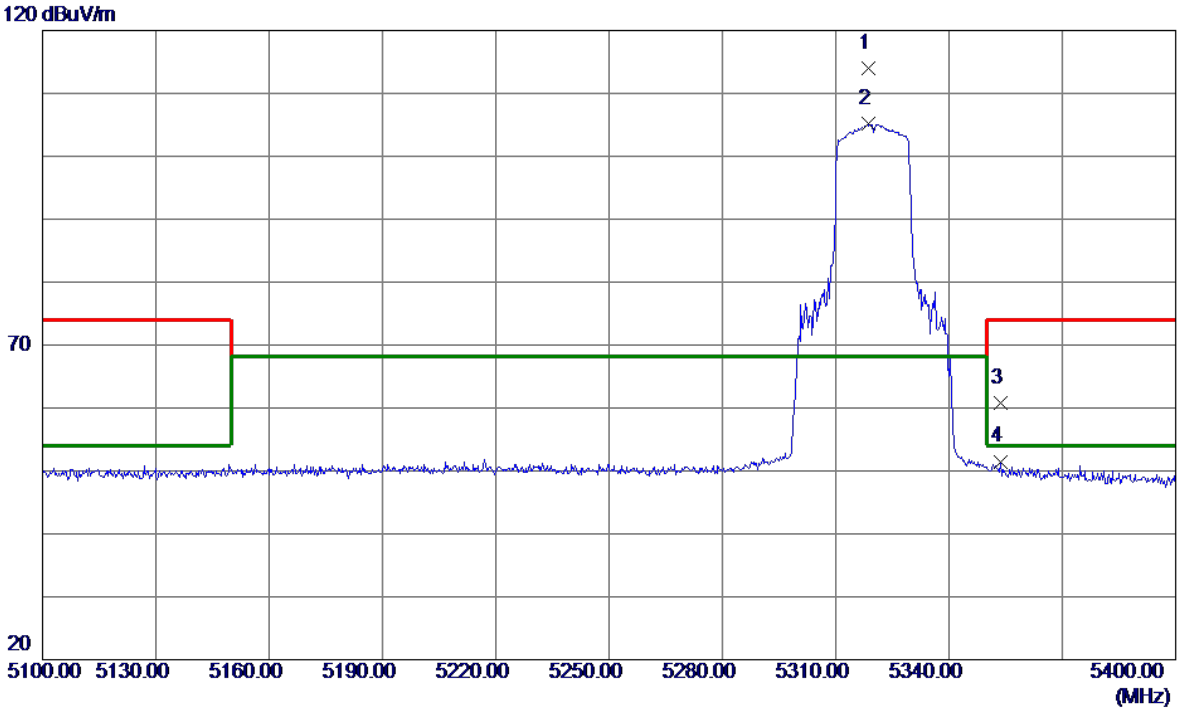
Test Mode	UNII-2A_TX AX(HE20) Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10600.0000	45.72	1.92	47.64	68.20	-20.56	Peak	

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

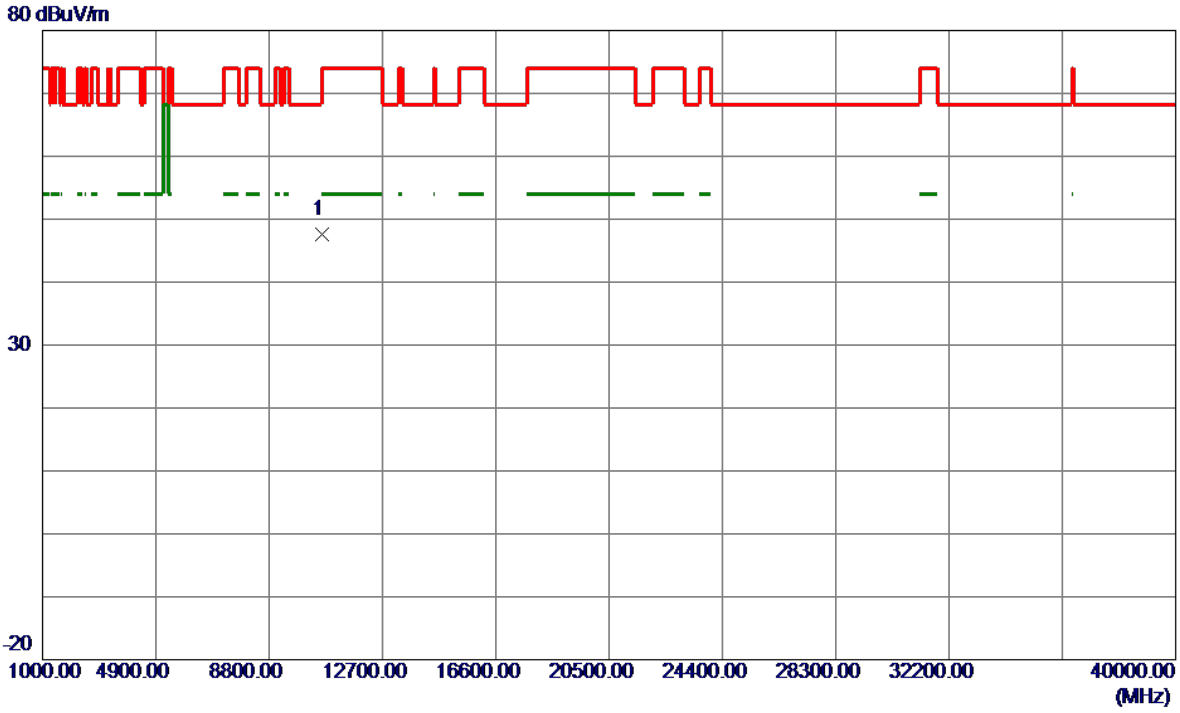
Test Mode	UNII-2A_TX AX(HE20) Mode 5320 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5318.7000	76.30	37.61	113.91	68.20	45.71	Peak	No limit
2	5318.7000	67.62	37.61	105.23	68.20	37.03	AVG	No limit
3	5353.6500	23.10	37.75	60.85	74.00	-13.15	Peak	
4	5353.6500	13.75	37.75	51.50	54.00	-2.50	AVG	

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

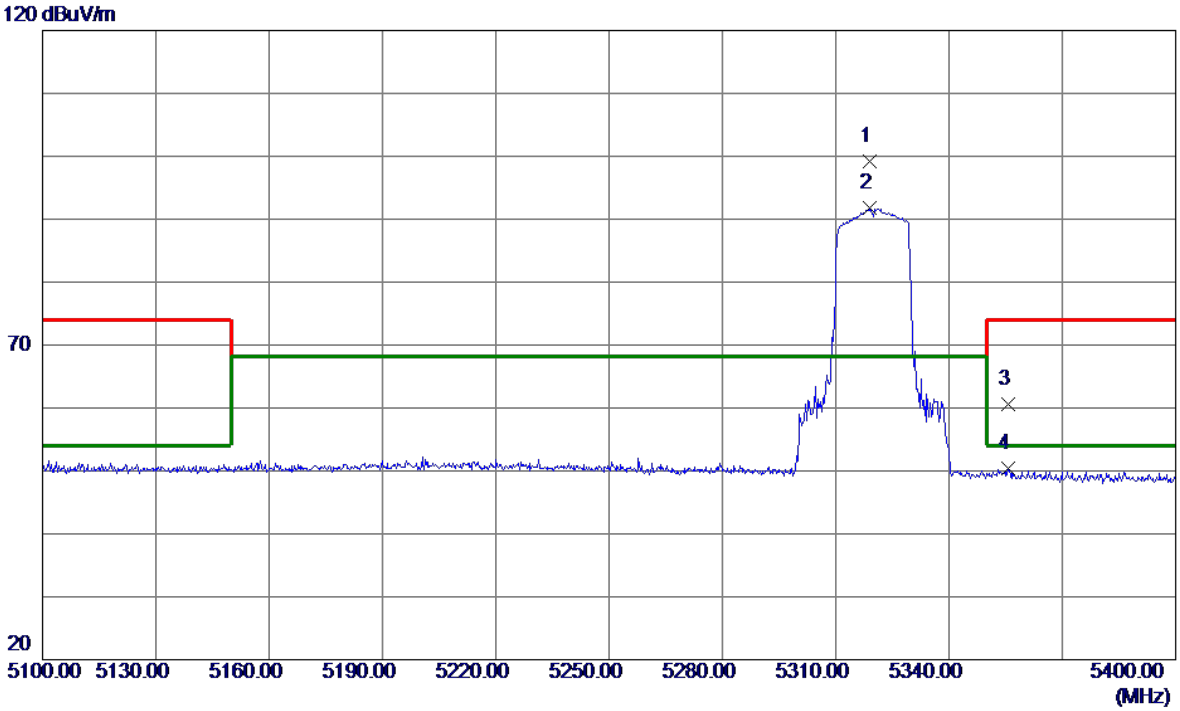
Test Mode	UNII-2A_TX AX(HE20) Mode 5320 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10640.0000	45.65	1.94	47.59	74.00	-26.41	Peak	

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

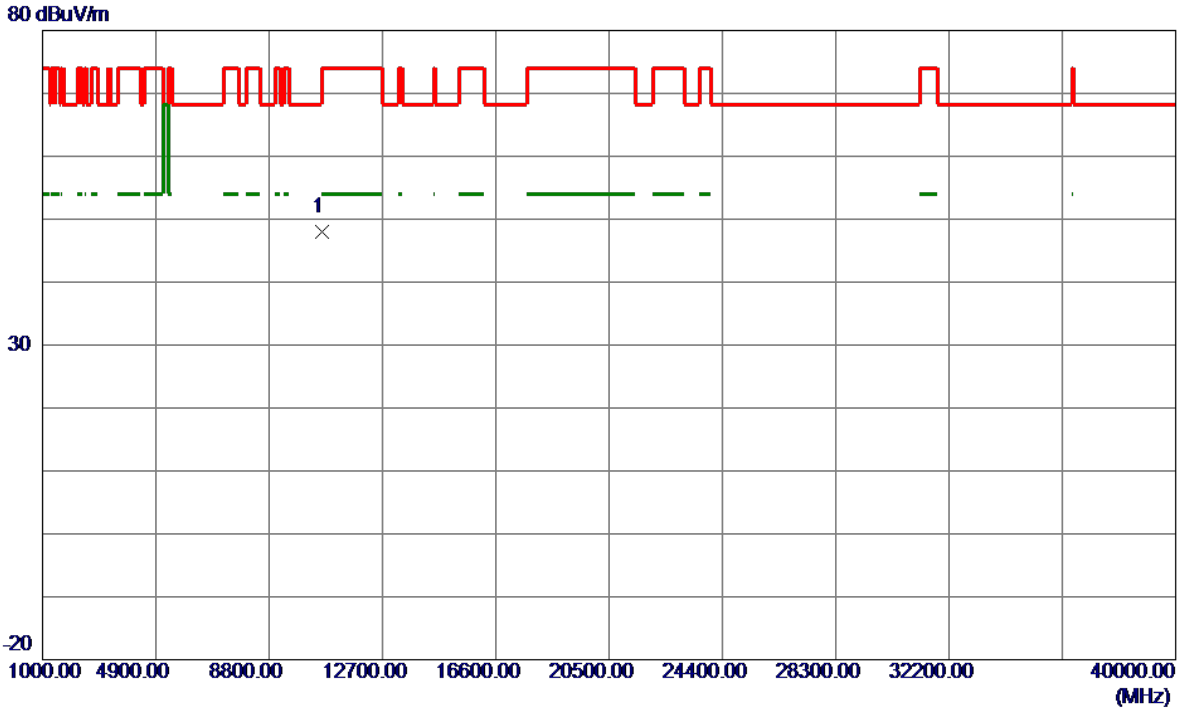
Test Mode	UNII-2A_TX AX(HE20) Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5319.0000	61.59	37.61	99.20	68.20	31.00	Peak	No limit
2	5319.0000	54.14	37.61	91.75	68.20	23.55	AVG	No limit
3	5355.6000	22.91	37.76	60.67	74.00	-13.33	Peak	
4	5355.6000	12.58	37.76	50.34	54.00	-3.66	AVG	

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

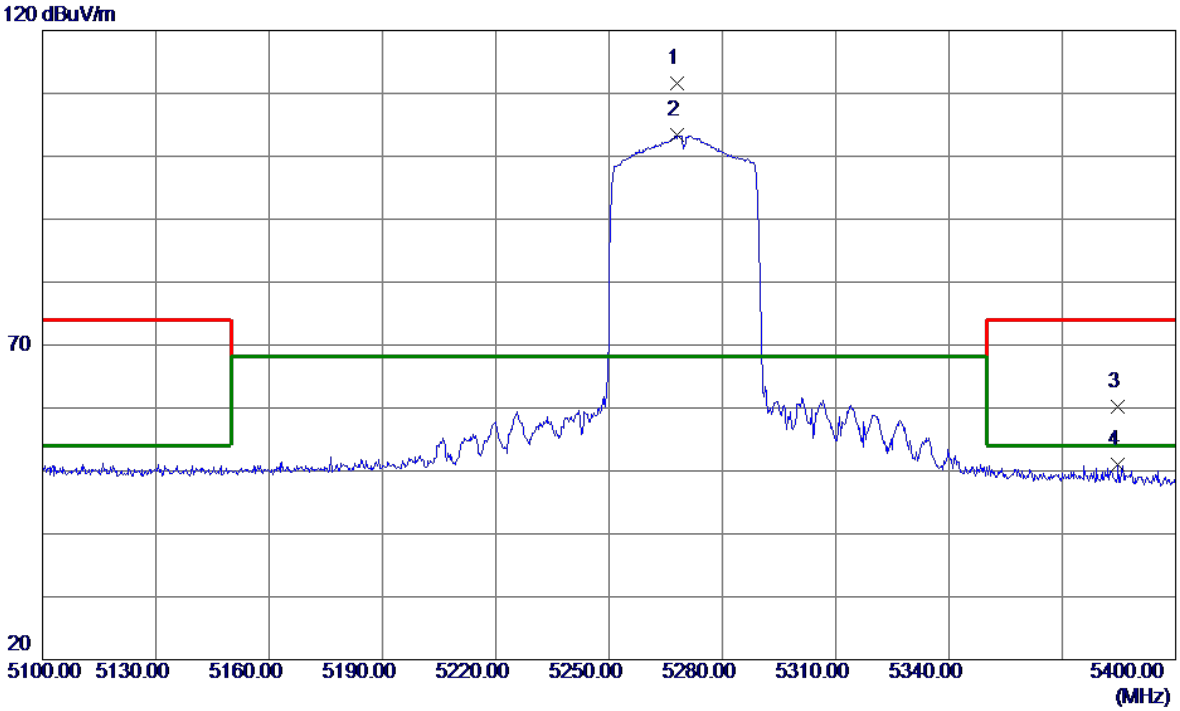
Test Mode	UNII-2A_TX AX(HE20) Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10640.0000	46.07	1.94	48.01	74.00	-25.99	Peak	

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

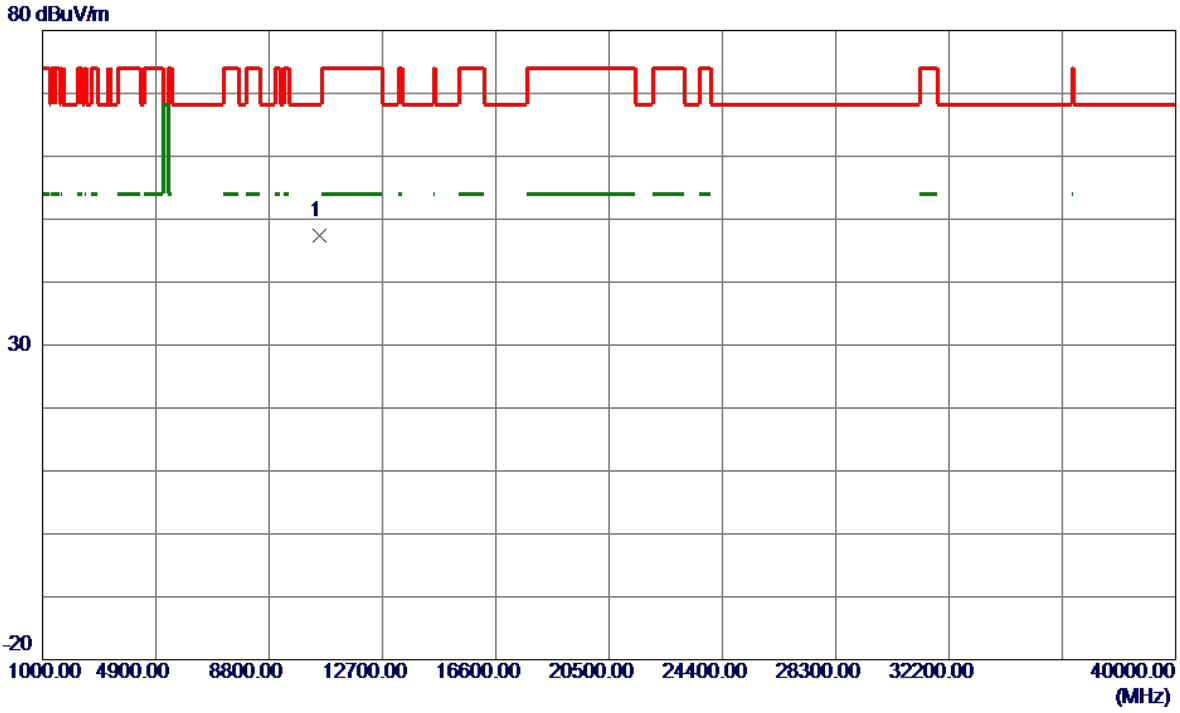
Test Mode	UNII-2A_TX AX(HE40) Mode 5270 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5268.1500	73.94	37.58	111.52	68.20	43.32	Peak	No limit
2	5268.1500	65.73	37.58	103.31	68.20	35.11	AVG	No limit
3	5384.7000	22.33	37.88	60.21	74.00	-13.79	Peak	
4	5384.7000	13.04	37.88	50.92	54.00	-3.08	AVG	

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

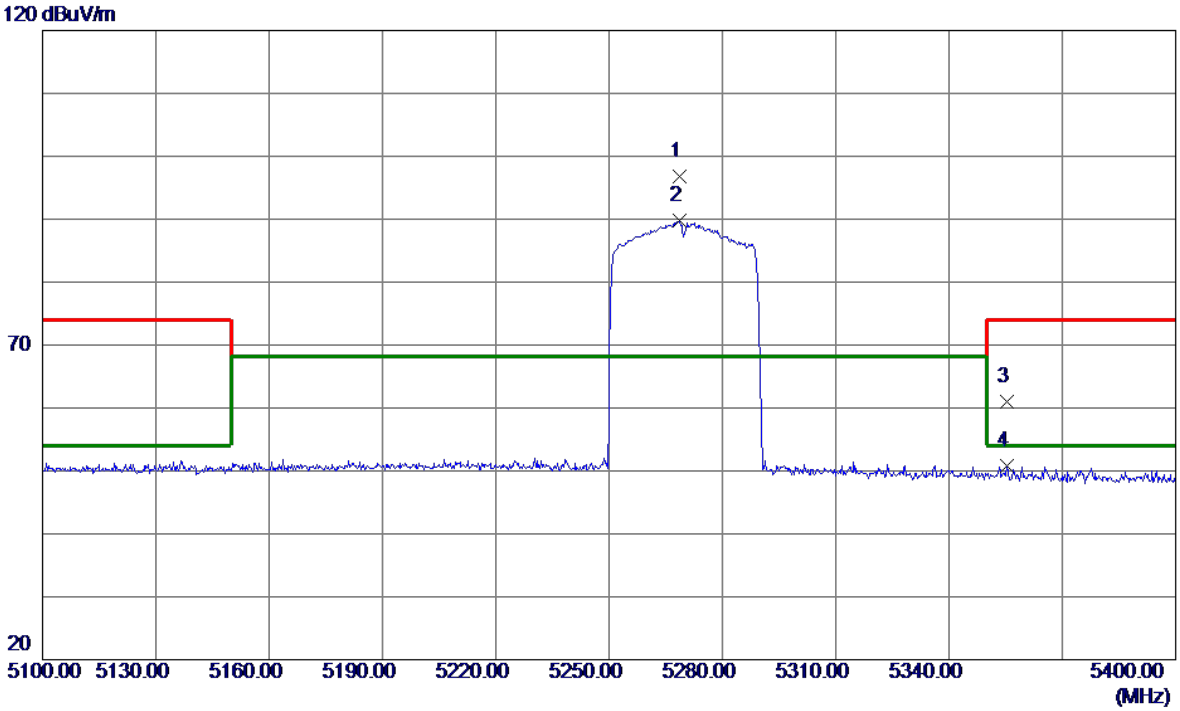
Test Mode	UNII-2A_TX AX(HE40) Mode 5270 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10540.0000	45.56	1.86	47.42	68.20	-20.78	Peak	

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

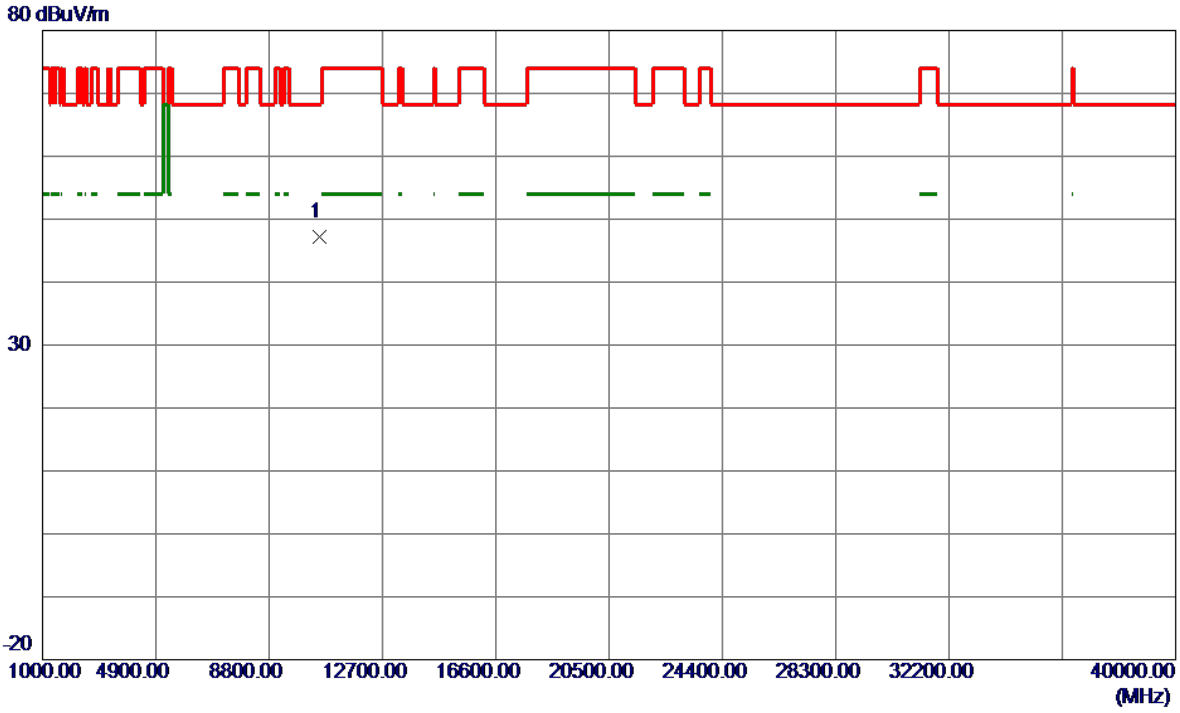
Test Mode	UNII-2A_TX AX(HE40) Mode 5270 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5268.6000	59.17	37.58	96.75	68.20	28.55	Peak	No limit
2	5268.6000	52.20	37.58	89.78	68.20	21.58	AVG	No limit
3	5355.4500	23.18	37.76	60.94	74.00	-13.06	Peak	
4	5355.4500	12.98	37.76	50.74	54.00	-3.26	AVG	

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

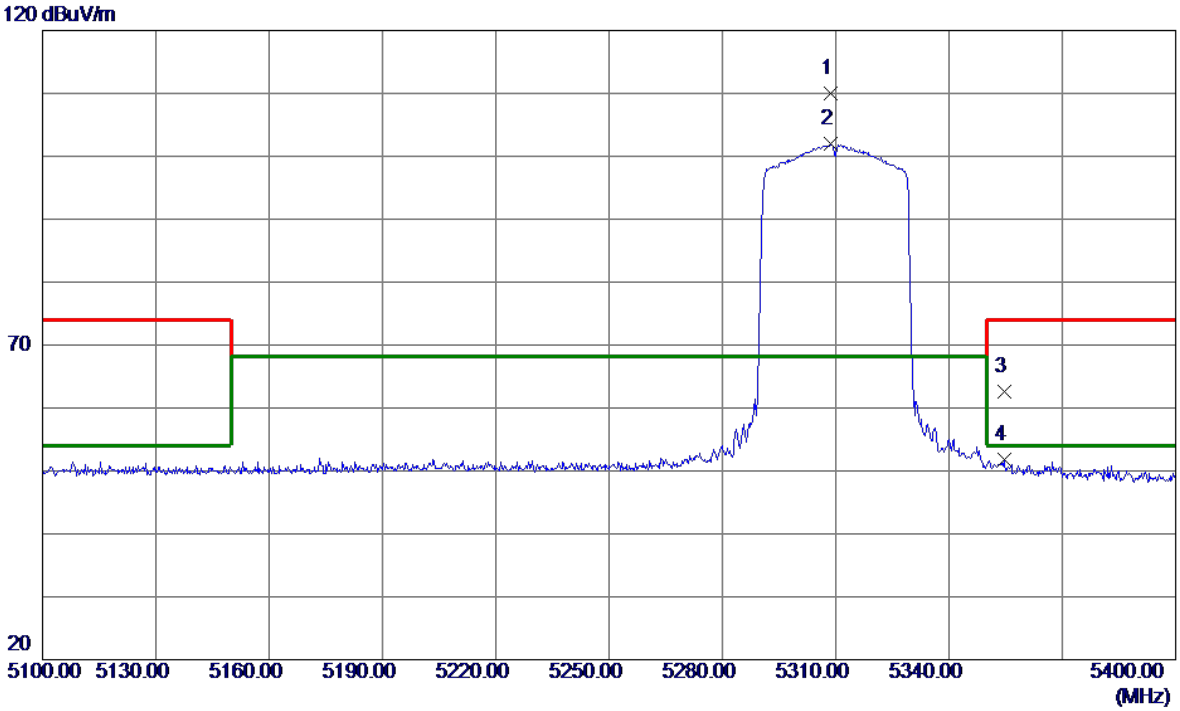
Test Mode	UNII-2A_TX AX(HE40) Mode 5270 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10540.0000	45.26	1.86	47.12	68.20	-21.08	Peak	

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

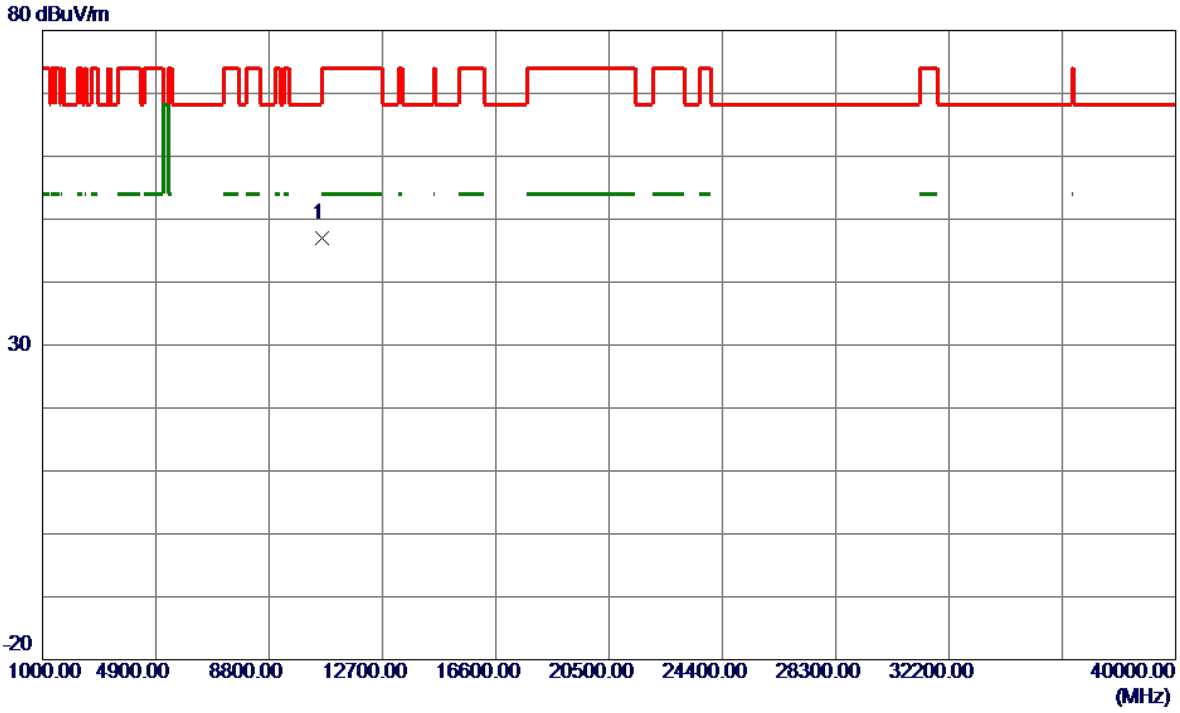
Test Mode	UNII-2A_TX AX(HE40) Mode 5310 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5308.6500	72.48	37.57	110.05	68.20	41.85	Peak	No limit
2	5308.6500	64.40	37.57	101.97	68.20	33.77	AVG	No limit
3	5354.5500	24.90	37.76	62.66	74.00	-11.34	Peak	
4	5354.5500	13.99	37.76	51.75	54.00	-2.25	AVG	

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

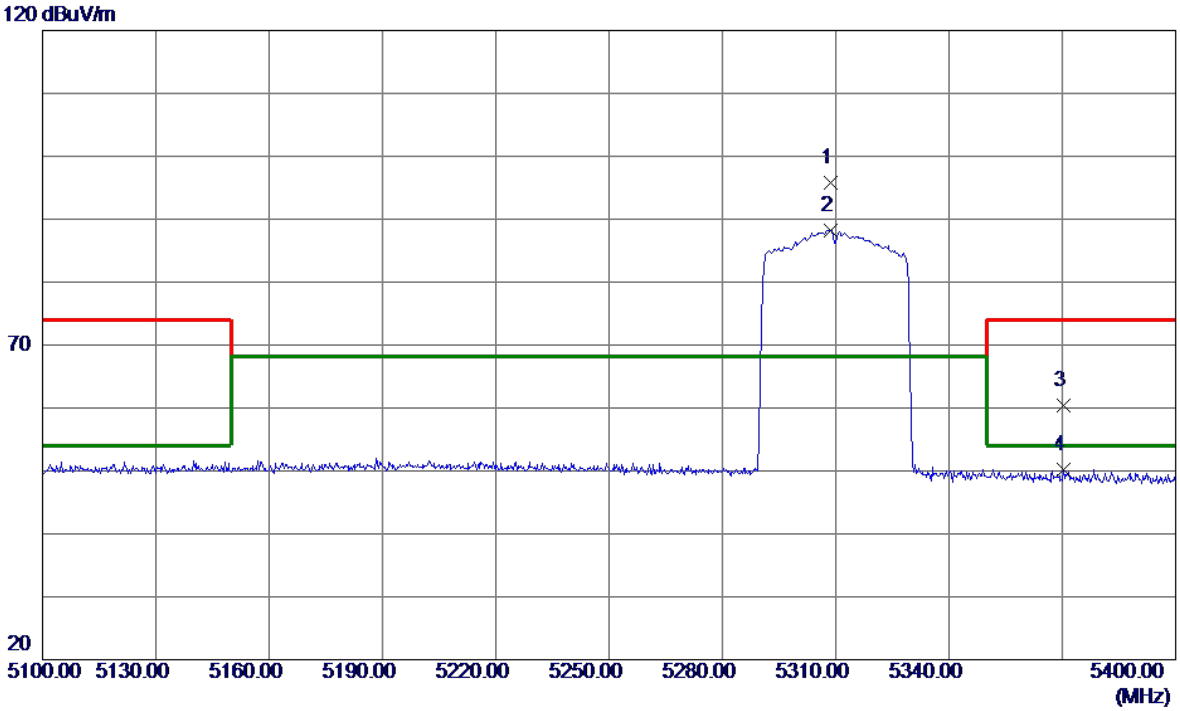
Test Mode	UNII-2A_TX AX(HE40) Mode 5310 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10620.0000	45.05	1.93	46.98	74.00	-27.02	Peak	

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

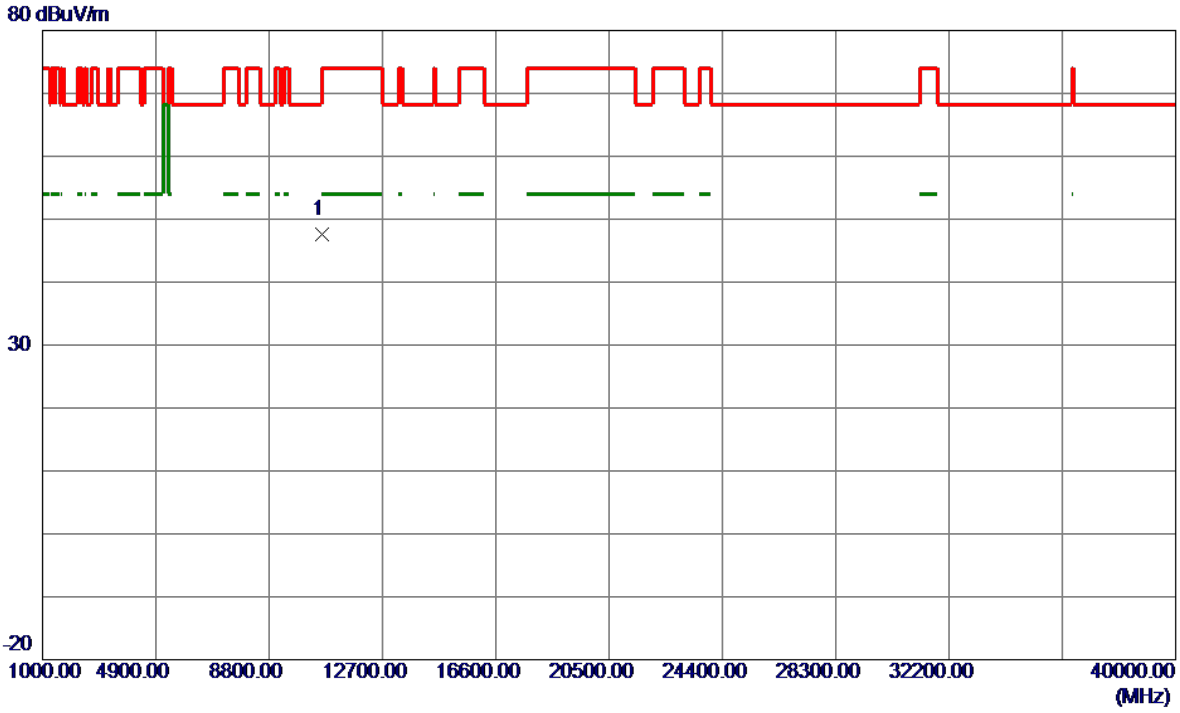
Test Mode	UNII-2A_TX AX(HE40) Mode 5310 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5308.6500	58.24	37.57	95.81	68.20	27.61	Peak	No limit
2	5308.6500	50.72	37.57	88.29	68.20	20.09	AVG	No limit
3	5370.4500	22.65	37.82	60.47	74.00	-13.53	Peak	
4	5370.4500	12.37	37.82	50.19	54.00	-3.81	AVG	

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

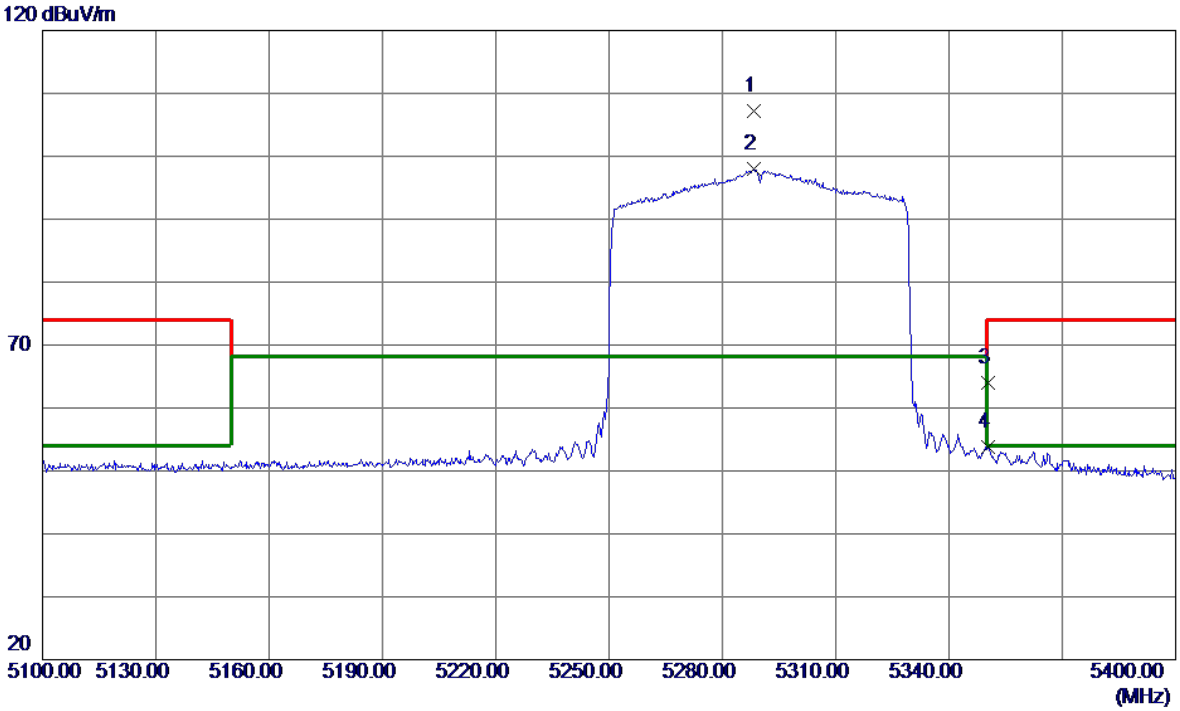
Test Mode	UNII-2A_TX AX(HE40) Mode 5310 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10620.0000	45.70	1.93	47.63	74.00	-26.37	Peak	

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

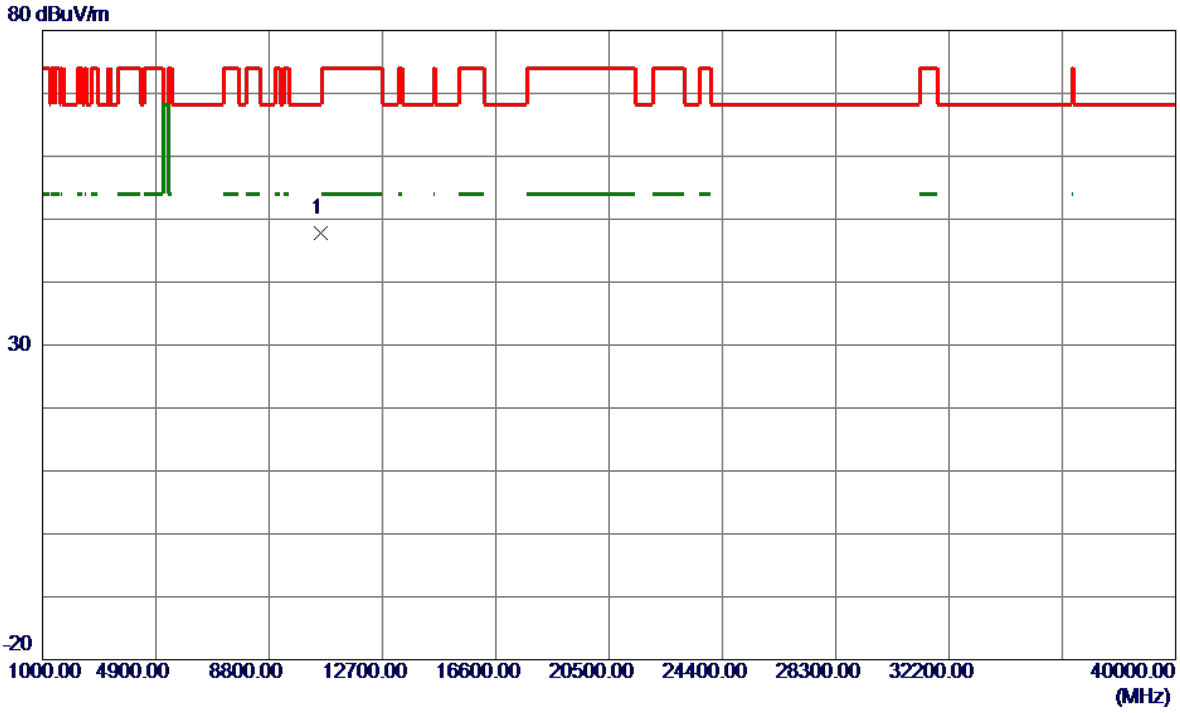
Test Mode	UNII-2A_TX AX(HE80) Mode 5290 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5288.4000	69.70	37.55	107.25	68.20	39.05	Peak	No limit
2	5288.4000	60.52	37.55	98.07	68.20	29.87	AVG	No limit
3	5350.2000	26.19	37.74	63.93	74.00	-10.07	Peak	
4	5350.2000	16.13	37.74	53.87	54.00	-0.13	AVG	

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

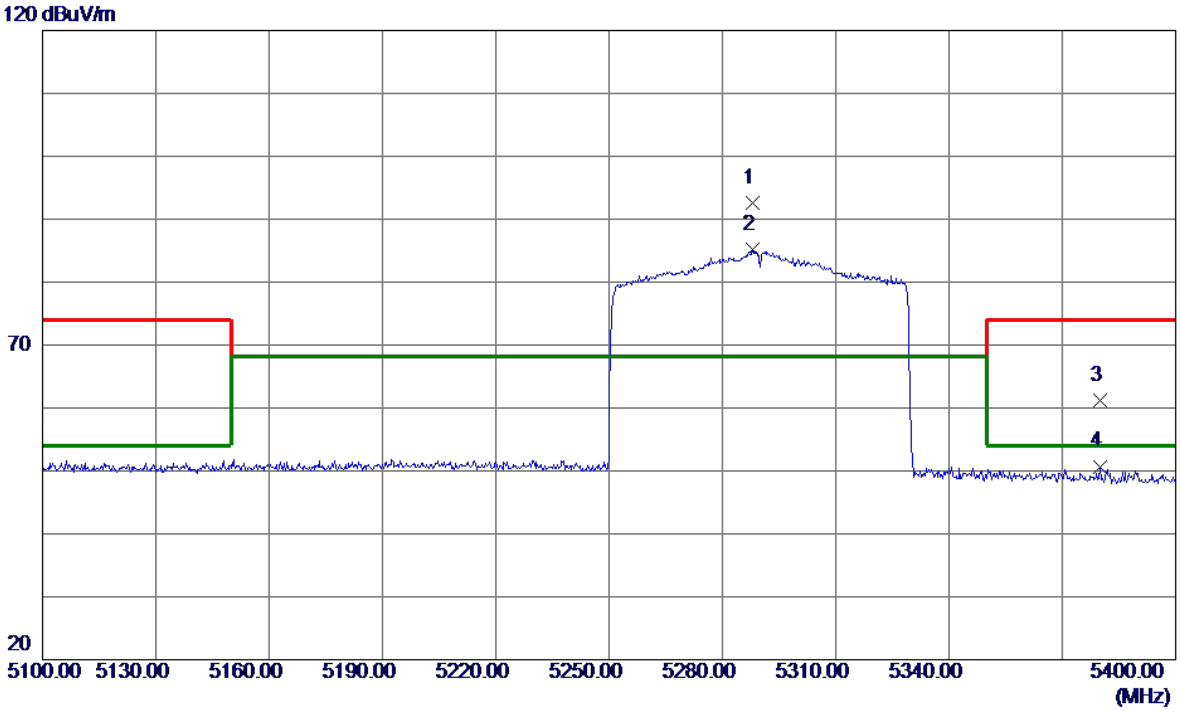
Test Mode	UNII-2A_TX AX(HE80) Mode 5290 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10580.0000	45.87	1.90	47.77	68.20	-20.43	Peak	

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

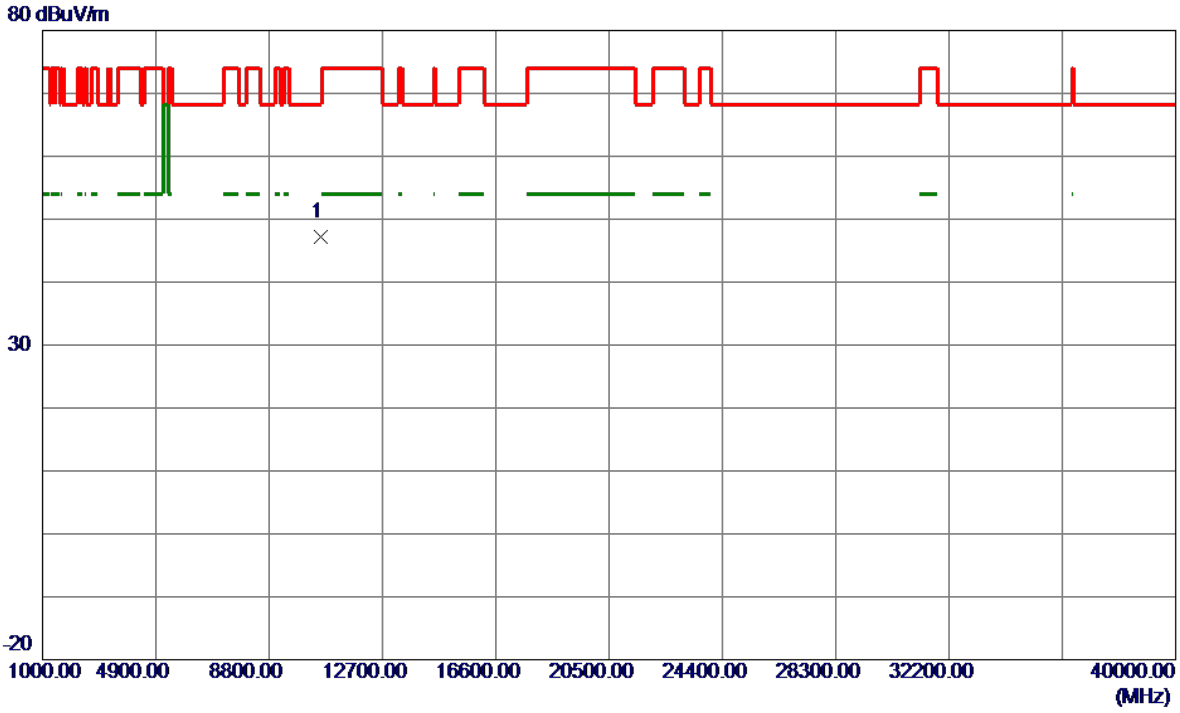
Test Mode	UNII-2A_TX AX(HE80) Mode 5290 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5288.1000	54.98	37.55	92.53	68.20	24.33	Peak	No limit
2	5288.1000	47.70	37.55	85.25	68.20	17.05	AVG	No limit
3	5380.0500	23.34	37.86	61.20	74.00	-12.80	Peak	
4	5380.0500	12.84	37.86	50.70	54.00	-3.30	AVG	

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

Test Mode	UNII-2A_TX AX(HE80) Mode 5290 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10580.0000	45.36	1.90	47.26	68.20	-20.94	Peak	

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