

FCC Radio Test Report

FCC ID:KA2IRX3260A1

This report concerns: Original Grant

Project No. : 2102H003
Equipment : AX3200 Mesh Wi-Fi 6 Router
Brand Name : D-Link
Test Model : DIR-X3260
Series Model : N/A
Applicant : D-Link Corporation
Address : 14420 Myford Road Suite 100 Irvine California United States 92606
Manufacturer : D-Link Corporation
Address : 14420 Myford Road Suite 100 Irvine California United States 92606
Date of Receipt : Mar. 10, 2021
Date of Test : Mar. 10, 2021~Apr. 14, 2021
Issued Date : May. 19, 2021
Report Version : R00
Test Sample : Engineering Sample No.: SH2021020931 for radiation;
SH2021020932 for conducted; SH2021020930-3 for adapter.
Standard(s) : FCC Part15, Subpart E(15.407)
ANSI C63.10-2013
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

Maker Qi

Prepared by : Maker Qi

Issac Song

Approved by : Issac Song



Certificate # 5123. 03

Add: No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China
TEL: +86-021-61765666
Web: www.newbtl.com

Declaration

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

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

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

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

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

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

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

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

Table of Contents	Page
REPORT ISSUED HISTORY	5
1 . SUMMARY OF TEST RESULTS	6
1.1 TEST FACILITY	7
1.2 MEASUREMENT UNCERTAINTY	7
1.3 TEST ENVIRONMENT CONDITIONS	7
2 . GENERAL INFORMATION	8
2.1 GENERAL DESCRIPTION OF EUT	8
2.2 TEST MODES	13
2.3 PARAMETERS OF TEST SOFTWARE	15
2.4 DUTY CYCLE	19
2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	22
2.6 SUPPORT UNITS	22
3 . AC POWER LINE CONDUCTED EMISSIONS TEST	23
3.1 LIMIT	23
3.2 TEST PROCEDURE	23
3.3 DEVIATION FROM TEST STANDARD	23
3.4 TEST SETUP	24
3.5 EUT OPERATION CONDITIONS	24
3.6 TEST RESULTS	24
4 . RADIATED EMISSIONS TEST	25
4.1 LIMIT	25
4.2 TEST PROCEDURE	26
4.3 DEVIATION FROM TEST STANDARD	26
4.4 TEST SETUP	27
4.5 EUT OPERATION CONDITIONS	29
4.6 TEST RESULTS - 9 KHZ to 30 MHZ	29
4.7 TEST RESULTS - 30 MHz TO 1000 MHz	29
4.8 TEST RESULTS - ABOVE 1000 MHz	29
5 . BANDWIDTH TEST	30
5.1 LIMIT	30
5.2 TEST PROCEDURE	30
5.3 TEST PROCEDURE	30
5.4 TEST SETUP	31

Table of Contents	Page
5.5 EUT OPERATION CONDITIONS	31
5.6 TEST RESULTS	31
6 . MAXIMUM OUTPUT POWER TEST	32
6.1 LIMIT	32
6.2 TEST PROCEDURE	33
6.3 DEVIATION FROM STANDARD	33
6.4 TEST SETUP	33
6.5 EUT OPERATION CONDITIONS	33
6.6 TEST RESULTS	33
7 . POWER SPECTRAL DENSITY TEST	34
7.1 LIMIT	34
7.2 TEST PROCEDURE	34
7.3 DEVIATION FROM STANDARD	34
7.4 TEST SETUP	35
7.5 EUT OPERATION CONDITIONS	35
7.6 TEST RESULTS	35
8 . FREQUENCY STABILITY MEASUREMENT	36
8.1 LIMIT	36
8.2 TEST PROCEDURE	36
8.3 DEVIATION FROM STANDARD	36
8.4 TEST SETUP	37
8.5 EUT OPERATION CONDITIONS	37
8.6 TEST RESULTS	37
9 . MEASUREMENT INSTRUMENTS LIST	38
10 . EUT TEST PHOTOS	40
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS	43
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ	46
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1 GHZ	47
APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ	50
APPENDIX E - BANDWIDTH	307
APPENDIX F - CONDUCTED OUTPUT POWER	338
APPENDIX G - POWER SPECTRAL DENSITY	408

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	May. 19, 2021

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)				
Standard(s) Section	Test Item	Test Result	Judgement	Remark
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.407(a) 15.407(e)	Spectrum Bandwidth	APPENDIX E	PASS	-----
15.407(a)	Maximum Output Power	APPENDIX F	PASS	-----
15.407(a)	Power Spectral Density	APPENDIX G	PASS	-----
15.407(g)	Frequency Stability	APPENDIX H	PASS	-----
15.203	Antenna Requirements	-----	PASS	NOTE (2)
15.407(c)	Automatically Discontinue Transmission	-----	PASS	NOTE (3)

Note:

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

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 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	21°C	43%	AC 120V/60Hz	Joven Xiong
Radiated Emissions-30 MHz to 1GHz	24°C	58%	AC 120V/60Hz	Forist Li
Radiated Emissions-Above 1000 MHz	24°C	58%	AC 120V/60Hz	Forist Li
Spectrum Bandwidth	22°C	46%	AC 120V/60Hz	Danny Dang
Maximum Output Power	22°C	46%	AC 120V/60Hz	Danny Dang
Power Spectral Density	22°C	46%	AC 120V/60Hz	Danny Dang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX3200 Mesh Wi-Fi 6 Router
Brand Name	D-Link
Test Model	DIR-X3260
Series Model	N/A
Model Difference(s)	N/A
Software Version	1
Hardware Version	A1 and R1
Power Source	DC voltage supplied from AC/DC adapter. #1: MAUS-1202002400 #2: S24B72-120A200-0K
Power Rating	#1: 100-240V ~ 50/60Hz 0.8A O/P: 12V --- 2.0A #2: 100-240V ~ 50/60Hz Max. 0.8A O/P: 12V --- 2A
Operation Frequency	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	OFDM, OFDMA
Bit Rate of Transmitter	Up to 2400 Mbps
Maximum Conducted Output Power for UNII-1 (4TX) CDD	IEEE 802.11a: 25.71 dBm IEEE 802.11n (HT20): 25.28 dBm IEEE 802.11n (HT40): 25.05 dBm IEEE 802.11ac (VHT20): 25.43 dBm IEEE 802.11ac (VHT40): 25.36 dBm IEEE 802.11ac (VHT80): 20.69 dBm IEEE 802.11ax (HE20): 24.47 dBm IEEE 802.11ax (HE40): 26.15 dBm IEEE 802.11ax (HE80): 20.15 dBm
Maximum Conducted Output Power for UNII-2A (4TX) CDD	IEEE 802.11a: 22.62 dBm IEEE 802.11n (HT20): 18.07 dBm IEEE 802.11n (HT40): 19.96 dBm IEEE 802.11ac (VHT20): 18.24 dBm IEEE 802.11ac (VHT40): 20.20 dBm IEEE 802.11ac (VHT80): 19.21 dBm IEEE 802.11ax (HE20): 18.66 dBm IEEE 802.11ax (HE40): 22.42 dBm IEEE 802.11ax (HE80): 18.49 dBm
Maximum Conducted Output Power for UNII-2C (4TX) CDD	IEEE 802.11a: 23.04 dBm IEEE 802.11n (HT20): 20.48 dBm IEEE 802.11n (HT40): 22.41 dBm IEEE 802.11ac (VHT20): 20.59 dBm IEEE 802.11ac (VHT40): 22.64 dBm IEEE 802.11ac (VHT80): 21.04 dBm IEEE 802.11ax (HE20): 20.61 dBm IEEE 802.11ax (HE40): 22.96 dBm IEEE 802.11ax (HE80): 20.09 dBm

Maximum Conducted Output Power for UNII-3 (4TX) CDD	IEEE 802.11a: 23.77 dBm IEEE 802.11n (HT20): 28.59 dBm IEEE 802.11n (HT40): 27.79 dBm IEEE 802.11ac (VHT20): 28.70 dBm IEEE 802.11ac (VHT40): 28.07 dBm IEEE 802.11ac (VHT80): 25.31 dBm IEEE 802.11ax (HE20): 29.69 dBm IEEE 802.11ax (HE40): 26.95 dBm IEEE 802.11ax (HE80): 24.37 dBm
Maximum Conducted Output Power for 80+80MHz CDD	IEEE 802.11ac (VHT80+80): 14.95dBm IEEE 802.11ax (HE80+80):12.51 dBm

Maximum Conducted Output Power for UNII-1 (4TX) Beamforming	IEEE 802.11n (HT20): 24.77 dBm IEEE 802.11n (HT40): 24.43 dBm IEEE 802.11ac (VHT20): 24.84 dBm IEEE 802.11ac (VHT40): 24.80 dBm IEEE 802.11ac (VHT80): 20.58 dBm IEEE 802.11ax (HE20): 24.35 dBm IEEE 802.11ax (HE40): 24.80 dBm IEEE 802.11ax (HE80): 19.98 dBm
Maximum Conducted Output Power for UNII-2A (4TX) Beamforming	IEEE 802.11n (HT20): 17.93 dBm IEEE 802.11n (HT40): 18.70 dBm IEEE 802.11ac (VHT20): 18.09 dBm IEEE 802.11ac (VHT40): 18.92 dBm IEEE 802.11ac (VHT80): 18.99 dBm IEEE 802.11ax (HE20): 18.51 dBm IEEE 802.11ax (HE40): 18.99 dBm IEEE 802.11ax (HE80): 18.35 dBm
Maximum Conducted Output Power for UNII-2C (4TX) Beamforming	IEEE 802.11n (HT20): 18.41 dBm IEEE 802.11n (HT40): 18.90 dBm IEEE 802.11ac (VHT20): 18.50 dBm IEEE 802.11ac (VHT40): 18.98 dBm IEEE 802.11ac (VHT80): 18.94 dBm IEEE 802.11ax (HE20): 18.85 dBm IEEE 802.11ax (HE40): 18.92 dBm IEEE 802.11ax (HE80): 17.99 dBm
Maximum Conducted Output Power for UNII-3 (4TX) Beamforming	IEEE 802.11n (HT20): 24.45 dBm IEEE 802.11n (HT40): 23.62 dBm IEEE 802.11ac (VHT20): 24.57 dBm IEEE 802.11ac (VHT40): 23.92 dBm IEEE 802.11ac (VHT80): 23.75 dBm IEEE 802.11ax (HE20): 24.89 dBm IEEE 802.11ax (HE40): 24.35 dBm IEEE 802.11ax (HE80): 24.32 dBm
Maximum Conducted Output Power for 80+80MHz Beamforming	IEEE 802.11ac (VHT80+80): 14.72dBm IEEE 802.11ax (HE80+80): 12.28dBm

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				

IEEE 802.11ac(80 MHz+80MHz) / IEEE 802.11ax (80 MHz+80MHz)	
Channel	Frequency (MHz)
CH42+ CH58	5210 MHz+5290 MHz

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	4.96
2	N/A	N/A	Dipole	N/A	4.96
3	N/A	N/A	Dipole	N/A	4.96
4	N/A	N/A	Dipole	N/A	4.92

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 = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{dBi}$,

that is Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{dBi} = 10.97$;

Then, the UNII-1, UNII-3 output power limit is $30 - 10.97 + 6 = 25.03$, the UNII-2A, UNII-2C output power limit is $24 - 10.97 + 6 = 19.03$. The UNII-1 power spectral density limit is $17 - 10.97 + 6 = 12.03$, UNII-2A, UNII-2C power spectral density limit is $11 - 10.97 + 6 = 6.03$, the UNII-3 power spectral density limit is $30 - 10.97 + 6 = 25.03$.

2) CDD:

For power spectral density measurements, the Directional

gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{dBi}$,

that is Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{dBi} = 10.97$;

Then, the UNII-1 power spectral density limited is $17 - 10.97 + 6 = 12.03$,

UNII-2A, UNII-2C power spectral density limit is $11 - 10.97 + 6 = 6.03$, the UNII-3 power spectral density limit is $30 - 10.97 + 6 = 25.03$.

For power measurements, Directional gain = $G_{ANT \text{ MAX.}} + \text{Array Gain}$. Array

Gain = $0 \text{dB} (N_{ANT} \leq 4)$, so the Directional gain = 4.96 .

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. 3	Ant. 4	Ant. 1+ Ant. 2+ Ant. 3+ Ant. 4
IEEE 802.11a	✓	✓	✓	✓	-
IEEE 802.11n (HT20)	✓	✓	✓	✓	✓
IEEE 802.11n (HT40)	✓	✓	✓	✓	✓
IEEE 802.11ac(VHT20)	✓	✓	✓	✓	✓
IEEE 802.11ac(VHT40)	✓	✓	✓	✓	✓
IEEE 802.11ac(VHT80)	✓	✓	✓	✓	✓
IEEE 802.11ac(VHT80+80)	✓	✓	✓	✓	✓
IEEE 802.11ax(HE20)	✓	✓	✓	✓	✓
IEEE 802.11ax(HE40)	✓	✓	✓	✓	✓
IEEE 802.11ax(HE80)	✓	✓	✓	✓	✓
IEEE 802.11ax(HE80+80)	✓	✓	✓	✓	✓

2.2 TEST MODES

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

Table 1

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX AX (HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 8	TX AX (HE40) Mode / CH38, CH46 (UNII-1)
Mode 9	TX AX (HE80) Mode / CH42 (UNII-1)
Mode 10	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 11	TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 12	TX N (HT40) Mode / CH54, CH62 (UNII-2A)
Mode 13	TX AC (VHT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 14	TX AC (VHT40) Mode / CH54, CH62 (UNII-2A)
Mode 15	TX AC (VHT80) Mode / CH58 (UNII-2A)
Mode 16	TX AX (HE20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 17	TX AX (HE40) Mode / CH54, CH62 (UNII-2A)
Mode 18	TX AX (HE80) Mode / CH58 (UNII-2A)
Mode 19	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 20	TX N (HT20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode 21	TX N (HT40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 22	TX AC (VHT20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode 23	TX AC (VHT40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 24	TX AC (VHT80) Mode / CH106 (UNII-2C)
Mode 25	TX AX (HE20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode 26	TX AX (HE40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 27	TX AX (HE80) Mode / CH106 (UNII-2C)
Mode 28	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 29	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 30	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 31	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 32	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 33	TX AC (VHT80) Mode / CH155 (UNII-3)
Mode 34	TX AX (HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 35	TX AX (HE40) Mode / CH151,CH159 (UNII-3)

Mode 36	TX AX (HE80) Mode / CH155 (UNII-3)
Mode 37	TX AC (VHT80+80) Mode/5210(1/2)+5290(3/4)
Mode 38	TX AX (HE80+80) Mode/5210(1/2)+5290(3/4)

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 31	TX AC(VHT20) Mode / CH165 (UNII-3) from Table 1

Radiated emissions test	
Final Test Mode	Description
All modes in Tabel 1.	

Conducted test	
Test Mode	Description
All modes in Tabel 1.	

Note:

- (1) For radiated emission below 1 GHz test, the IEEE 802.11ac20 is found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (3) For radiated emission below 1 GHz and AC Power Line Conducted Emissions test, all adapters had been pre-tested and in this report only recorded the worst case.

2.3 PARAMETERS OF TEST SOFTWARE

CDD

UNII-1 - 4TX			
Test Software	QA tool v0.0.2.6		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11a	29.00	2D	34.00
IEEE 802.11n (HT20)	21.00	21.00	21.00
IEEE 802.11ac (VHT20)	21.00	21.00	21.00
IEEE 802.11ax (HE20)	21.00	21.00	21.00
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	21.00	25.00	
IEEE 802.11ac (VHT40)	21.00	25.00	
IEEE 802.11ax (HE40)	1C	24.00	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	1D		
IEEE 802.11ax (HE80)	1A		

UNII-2A - 4TX			
Test Software	QA tool v0.0.2.6		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11a	2C	2B	28.00
IEEE 802.11n (HT20)	17.00	17.00	18.00
IEEE 802.11ac (VHT20)	17.00	17.00	18.00
IEEE 802.11ax (HE20)	16.00	16.00	16.00
Test Frequency (MHz)	5270	5310	
IEEE 802.11n (HT40)	1B	1B	
IEEE 802.11ac (VHT40)	1B	1B	
IEEE 802.11ax (HE40)	1D	1B	
Test Frequency (MHz)	5290		
IEEE 802.11ac (VHT80)	1B		
IEEE 802.11ax (HE80)	17.00		

UNII-2C - 4TX			
Test Software	QA tool v0.0.2.6		
Test Frequency (MHz)	5500	5580	5700
IEEE 802.11a	26.00	2D	24.00
IEEE 802.11n (HT20)	19.00	19.00	18.00
IEEE 802.11ac (VHT20)	19.00	19.00	18.00
IEEE 802.11ax (HE20)	19.00	19.00	15.00
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11n (HT40)	1D	1D	1B
IEEE 802.11ac (VHT40)	1D	1D	1B
IEEE 802.11ax (HE40)	1A	1E	1A
Test Frequency (MHz)	5530		
IEEE 802.11ac (VHT80)	1B		
IEEE 802.11ax (HE80)	1A		

UNII-3 - 4TX			
Test Software	QA tool v0.0.2.6		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11a	31.00	31.00	30.00
IEEE 802.11n (HT20)	2C	2C	2C
IEEE 802.11ac (VHT20)	2C	2C	2C
IEEE 802.11ax (HE20)	2A	2E	2C
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	29.00	2A	
IEEE 802.11ac (VHT40)	29.00	2A	
IEEE 802.11ax (HE40)	23.00	26.00	
Test Frequency (MHz)	5775		
IEEE 802.11ac (VHT80)	25.00		
IEEE 802.11ax (HE80)	21.00		

80+80MHz		
Test Software	QA tool v0.0.2.6	
Test Frequency (MHz)	5210(1/2)	5290(3/4)
IEEE 802.11ac (VHT80+80)	17	
IEEE 802.11ax (HE80+80)	17	

Beamforming

UNII-1 - 4TX			
Test Software	QA tool v0.0.2.6		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11n (HT20)	21.00	21.00	21.00
IEEE 802.11ac (VHT20)	21.00	21.00	21.00
IEEE 802.11ax (HE20)	21.00	21.00	21.00
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	21.00	25.00	
IEEE 802.11ac (VHT40)	21.00	25.00	
IEEE 802.11ax (HE40)	1C	24.00	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	1D		
IEEE 802.11ax (HE80)	1A		

UNII-2A - 4TX			
Test Software	QA tool v0.0.2.6		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11n (HT20)	17.00	17.00	18.00
IEEE 802.11ac (VHT20)	17.00	17.00	18.00
IEEE 802.11ax (HE20)	16.00	16.00	16.00
Test Frequency (MHz)	5270	5310	
IEEE 802.11n (HT40)	1B	1B	
IEEE 802.11ac (VHT40)	1B	1B	
IEEE 802.11ax (HE40)	1D	1B	
Test Frequency (MHz)	5290		
IEEE 802.11ac (VHT80)	1B		
IEEE 802.11ax (HE80)	17.00		

UNII-2C - 4TX			
Test Software	QA tool v0.0.2.6		
Test Frequency (MHz)	5500	5580	5700
IEEE 802.11n (HT20)	19.00	19.00	18.00
IEEE 802.11ac (VHT20)	19.00	19.00	18.00
IEEE 802.11ax (HE20)	19.00	19.00	15.00
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11n (HT40)	1D	1D	1B
IEEE 802.11ac (VHT40)	1D	1D	1B
IEEE 802.11ax (HE40)	1A	1E	1A
Test Frequency (MHz)	5530		
IEEE 802.11ac (VHT80)	1B		
IEEE 802.11ax (HE80)	1A		

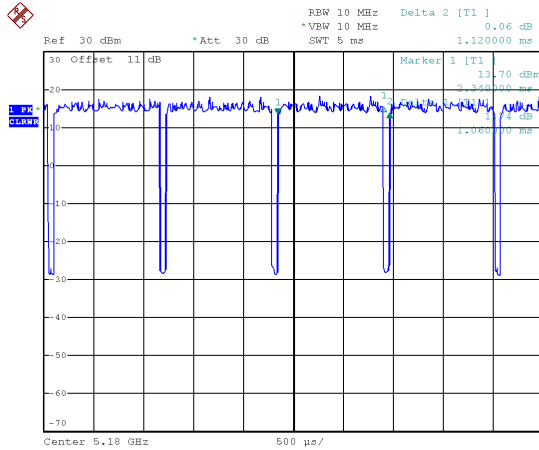
UNII-3 - 4TX			
Test Software	QA tool v0.0.2.6		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11n (HT20)	25.00	25.00	25.00
IEEE 802.11ac (VHT20)	25.00	25.00	25.00
IEEE 802.11ax (HE20)	26.00	23.00	21.00
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	22.00	25.00	
IEEE 802.11ac (VHT40)	22.00	25.00	
IEEE 802.11ax (HE40)	20.00	20.00	
Test Frequency (MHz)	5775		
IEEE 802.11ac (VHT80)	25.00		
IEEE 802.11ax (HE80)	21.00		

80+80MHz		
Test Software	QA tool v0.0.2.6	
Test Frequency (MHz)	5210(1/2)	5290(3/4)
IEEE 802.11ac (VHT80+80)	17	
IEEE 802.11ax (HE80+80)	17	

2.4 DUTY CYCLE

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

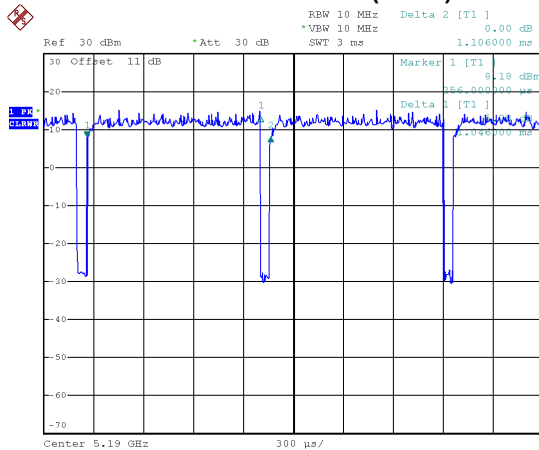
IEEE 802.11a



Date: 26.FEB.2021 10:37:07

Duty cycle = $1.06 \text{ ms} / 1.12 \text{ ms} = 94.64\%$
 Duty Factor = $10 * \log(1 / \text{Duty cycle}) = 0.24 \text{ dB}$

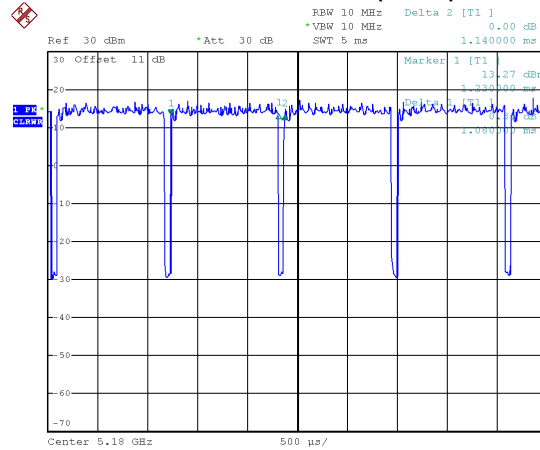
IEEE 802.11n (HT40)



Date: 26.FEB.2021 10:55:36

Duty cycle = $1.04 \text{ ms} / 1.106 \text{ ms} = 94.58\%$
 Duty Factor = $10 * \log(1 / \text{Duty cycle}) = 0.24 \text{ dB}$

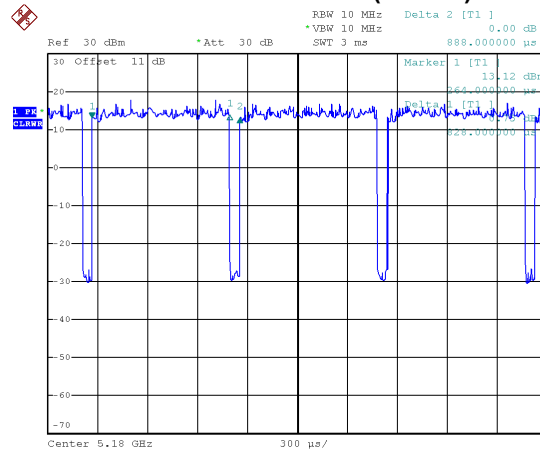
IEEE 802.11n (HT20)



Date: 26.FEB.2021 10:45:12

Duty cycle = $1.08 \text{ ms} / 1.14 \text{ ms} = 94.74\%$
 Duty Factor = $10 * \log(1 / \text{Duty cycle}) = 0.23 \text{ dB}$

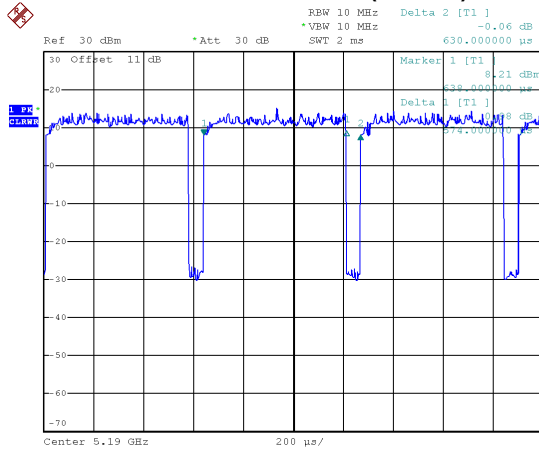
IEEE 802.11ac (VHT20)



Date: 26.FEB.2021 10:41:53

Duty cycle = $0.828 \text{ ms} / 0.888 \text{ ms} = 93.24\%$
 Duty Factor = $10 * \log(1 / \text{Duty cycle}) = 0.30 \text{ dB}$

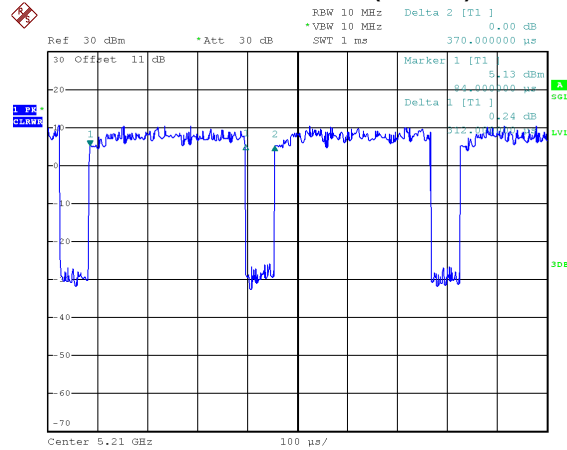
IEEE 802.11ac (VHT40)



Date: 26.FEB.2021 10:51:51

Duty cycle = 0.574 ms / 0.630 ms = 91.11%
Duty Factor = $10 \cdot \log(1 / \text{Duty cycle}) = 0.40 \text{ dB}$

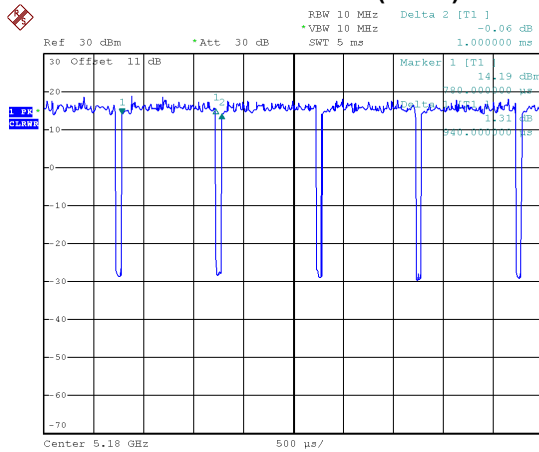
IEEE 802.11ac (VHT80)



Date: 26.FEB.2021 11:07:41

Duty cycle = 0.312 ms / 0.370 ms = 84.32%
Duty Factor = $10 \cdot \log(1 / \text{Duty cycle}) = 0.74 \text{ dB}$

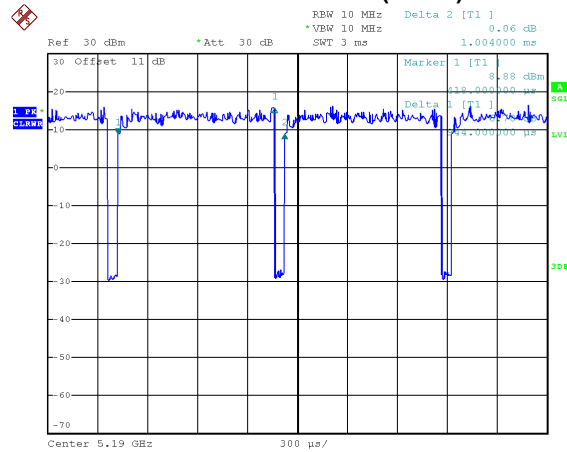
IEEE 802.11ax (HE20)



Date: 26.FEB.2021 10:49:19

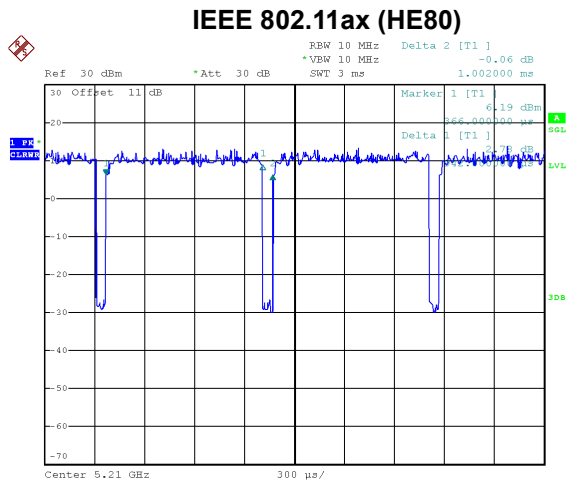
Duty cycle = 0.940 ms / 1.000 ms = 94.00%
Duty Factor = $10 \cdot \log(1 / \text{Duty cycle}) = 0.27 \text{ dB}$

IEEE 802.11ax (HE40)



Date: 26.FEB.2021 10:57:09

Duty cycle = 0.944 ms / 1.004 ms = 94.02%
Duty Factor = $10 \cdot \log(1 / \text{Duty cycle}) = 0.27 \text{ dB}$



Date: 26.FEB.2021 11:10:23

Duty cycle = 0.942 ms / 1.002 ms = 94.01%
 Duty Factor = 10 * log(1 / Duty cycle) = 0.27 dB

NOTE:

For IEEE 802.11a, IEEE 802.11n (HT20) and 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 1 kHz (Duty cycle < 98%).

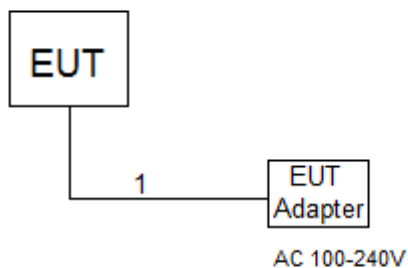
For IEEE 802.11ac (VHT20), IEEE 802.11ac (VHT40), IEEE 802.11ax (HE20), IEEE 802.11ax (HE40) and IEEE 802.11ax (HE80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 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%).

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 TEST

3.1 LIMIT

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

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

The following table is the setting of the receiver

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

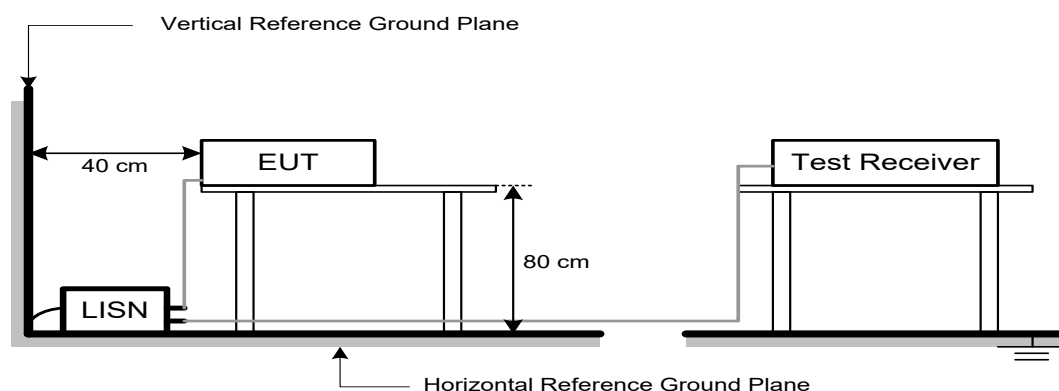
3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting/TX mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequency (MHz)	EIRP Limit (dBm/MHz)	Band edge at 3m (dBμV/m)	Harmonic at 1.5m (dBμV/m)
5150-5250	-27	68.2	74.3 (Note 3)
5250-5350	-27	68.2	74.3 (Note 3)
5470-5725	-27	68.2	74.3 (Note 3)
5725-5850	-27 NOTE (2)	68.2	74.3 (Note 3)
	10 NOTE (2)	105.3	111.3(Note 3)
	15.6 NOTE (2)	110.9	116.9(Note 3)
	27 NOTE (2)	122.3	128.3(Note 3)

NOTE:

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

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

(2) According to FCC 16-24, all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(3)

$$FS_{\text{limit}} = FS_{\text{max}} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

20log d limit/d measure=20log 3/1.5=6 dB.

4.2 TEST PROCEDURE

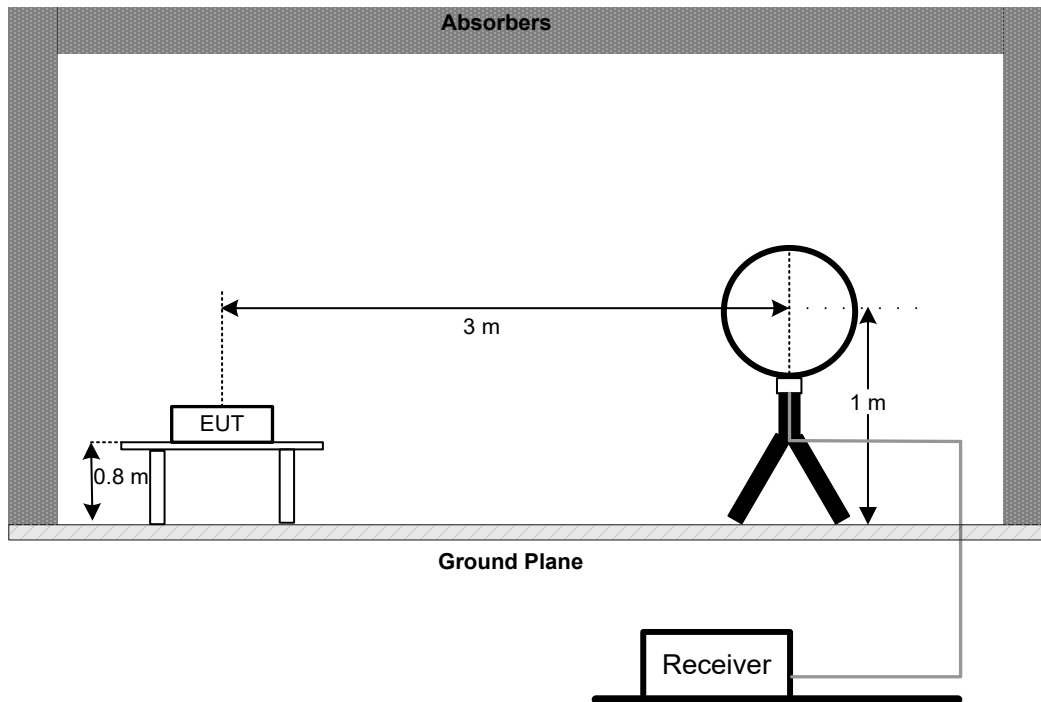
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

4.3 DEVIATION FROM TEST STANDARD

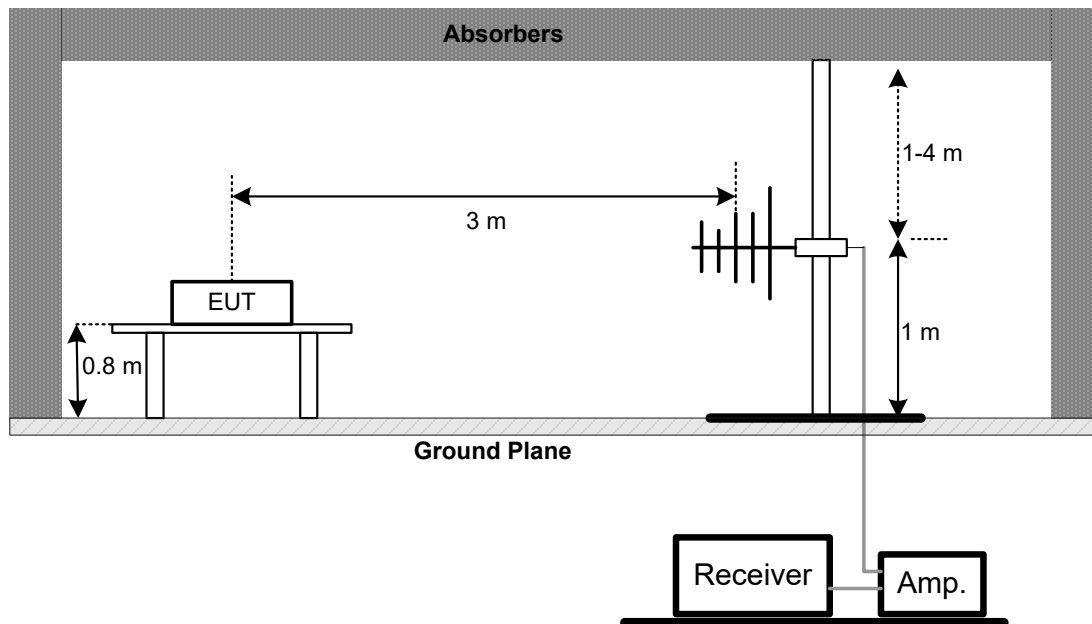
No deviation

4.4 TEST SETUP

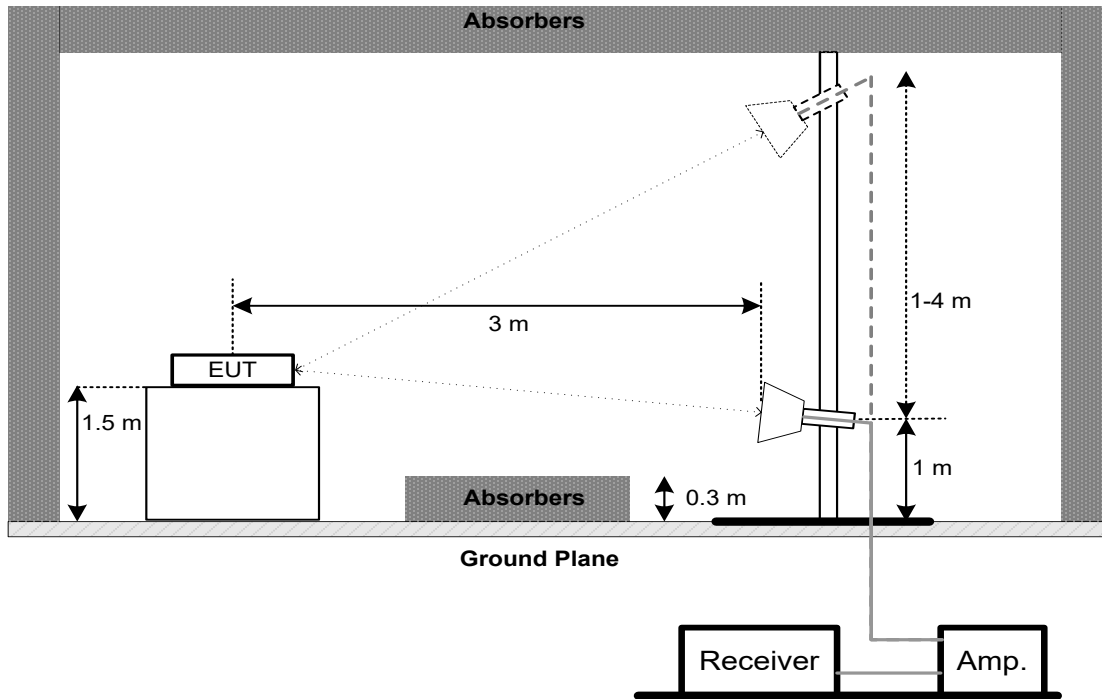
9 kHz to 30 MHz



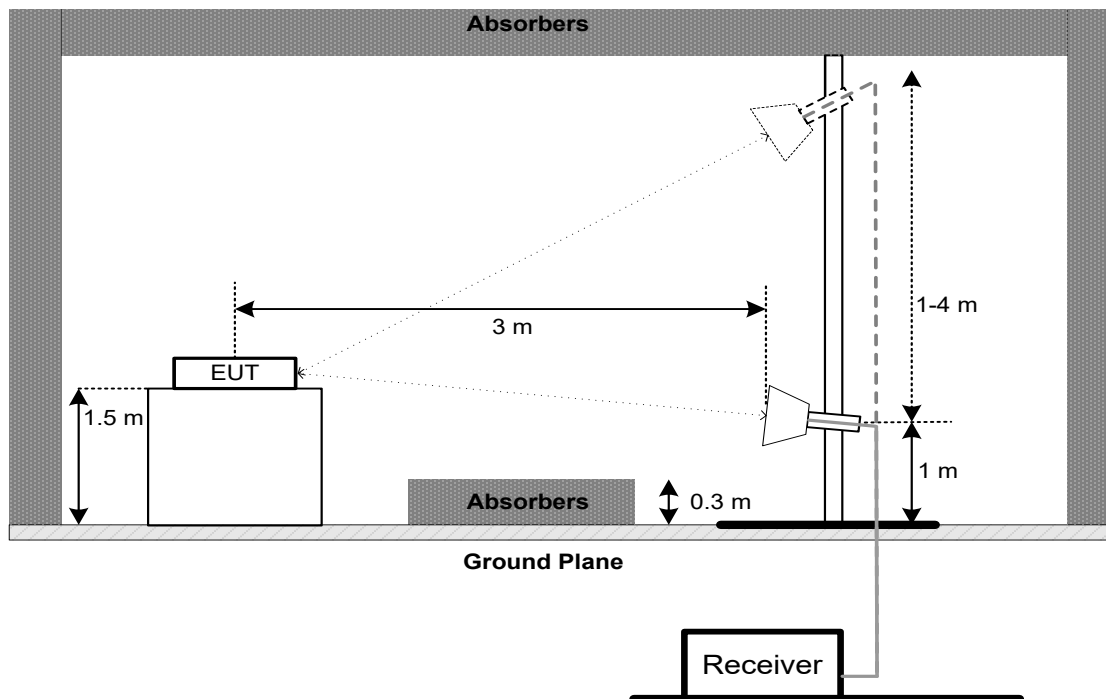
30 MHz to 1 GHz



Harmonic (1 GHz to 18 GHz)



Harmonic (18 GHz to 26.5 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) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHz

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH TEST

5.1 LIMIT

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

5.2 TEST PROCEDURE

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

b. a. Spectrum Setting:

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

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

For UNII-3:

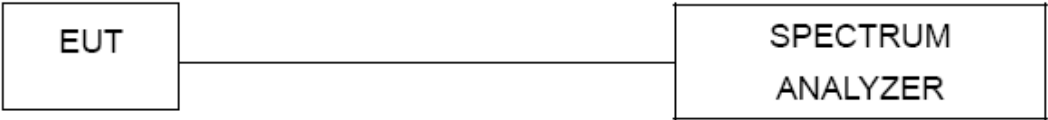
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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

5.3 TEST PROCEDURE

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

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

Note:

- a. For an 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).
For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For fixed point-to-point access points 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. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple colocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 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.
(Slave (Client))
- 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

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

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. POWER SPECTRAL DENSITY TEST

7.1 LIMIT

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

7.2 TEST PROCEDURE

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

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

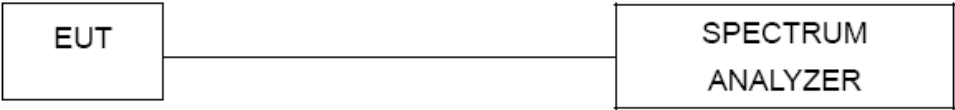
Note:

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

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. FREQUENCY STABILITY MEASUREMENT

8.1 LIMIT

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

8.2 TEST PROCEDURE

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

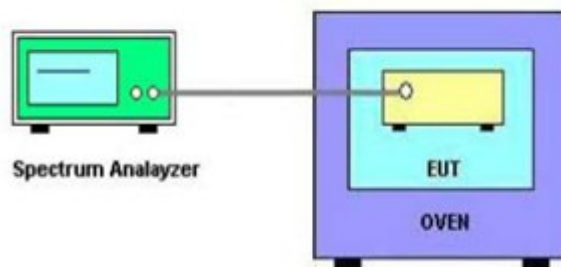
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

- The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- User manual temperature is 0°C~40°C.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 21, 2021 Mar. 20, 2022
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Aug. 23, 2021
3	EMI Test Receiver	R&S	ESCI	100082	Mar. 22, 2021 Mar. 21, 2022
4	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 19, 2021 Mar. 20, 2022
5	Cable	10m	EMCRG400-BM-NM-10000	170628	Apr. 12, 2021 Apr. 11, 2022
6	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, 2021
2	Cable	N/A	EMCRG400-BM-NM-10000	170628	Apr. 12, 2021 Apr. 11, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 22, 2021 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. 27, 2021 Mar. 26, 2022
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 21, 2021 Mar. 20, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 22, 2021 Mar. 21, 2022
4	Attenuator	emci	EMCI-N-6-06	AT-N0644	Mar. 21, 2021 Mar. 20, 2022
5	Cable	7m	EMC104-SM-SM-7000	170330	Apr. 13, 2021 Apr. 11, 2022
6	Cable	1m	EMC104-SM-SM-1000	170331	Apr. 13, 2021 Apr. 11, 2022
7	Cable	3.5m	EMC104-SM-NM-3500	170621	Apr. 13, 2021 Apr. 11, 2022
8	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1786	Mar. 27, 2021 Mar. 26, 2022
2	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	203919	Jul. 20, 2021
3	Pre-Amplifier	emci	EMC012645SE	980421	May. 11, 2021
4	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 21, 2021 Mar. 20, 2022
5	EXA Spectrum Analyzer	Keysight	N9010A	MY56480559	Mar. 22, 2021 Mar. 21, 2022
6	MXE EMI Receiver	Keysight	N9038A	MY56400088	Mar. 22, 2021 Mar. 21, 2022
7	Cable	7m	EMC104-SM-SM-700 0	170330	Apr. 13, 2021 Apr. 11, 2022
8	Cable	1m	EMC104-SM-SM-100 0	170331	Apr. 13, 2021 Apr. 11, 2022
9	Cable	3.5m	EMC104-SM-NM-350 0	170621	Apr. 13, 2021 Apr. 11, 2022
10	Cable	0.8m	EMC102-SM-SM-800	170335	Apr. 13, 2021 Apr. 11, 2022
11	Cable	6m	EMC102-SM-SM-600 0	170336	Apr. 13, 2021 Apr. 11, 2022
12	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

Conducted Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

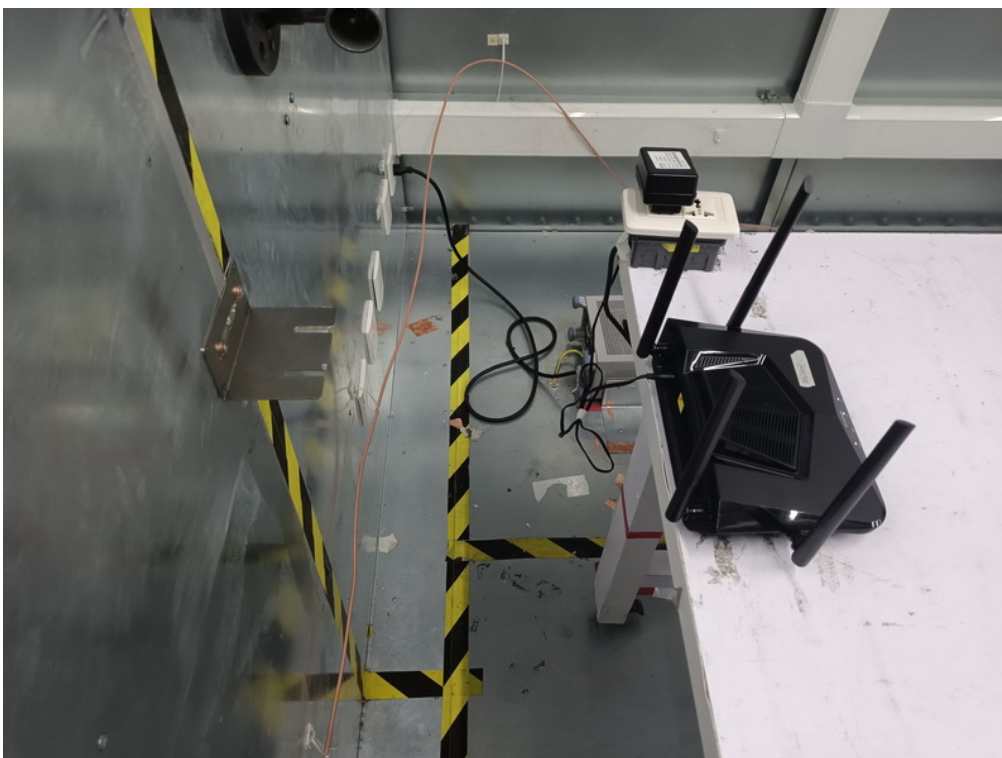
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

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

All calibration period of equipment list is one year.

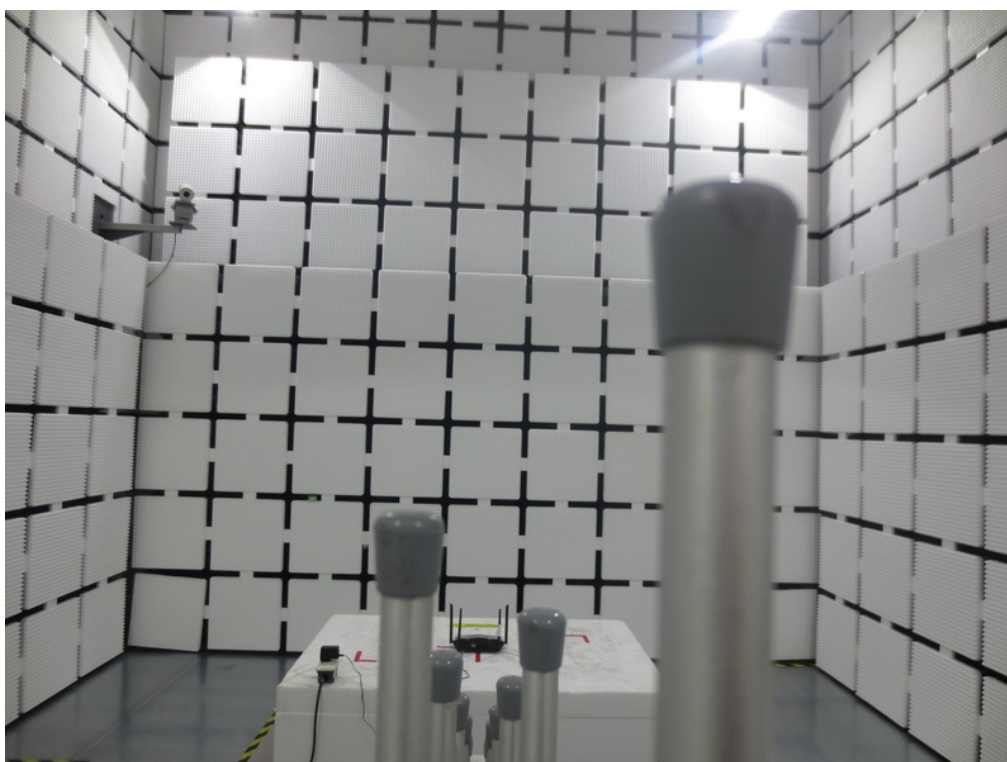
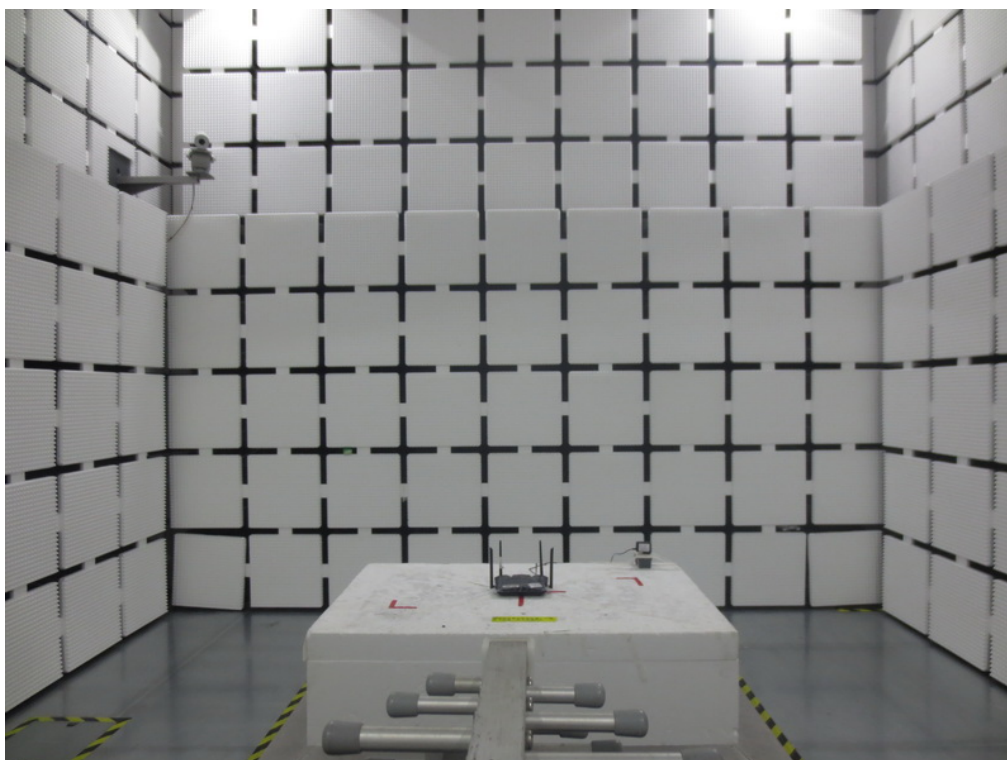
10. EUT TEST PHOTOS

Conducted Emissions Test Photos



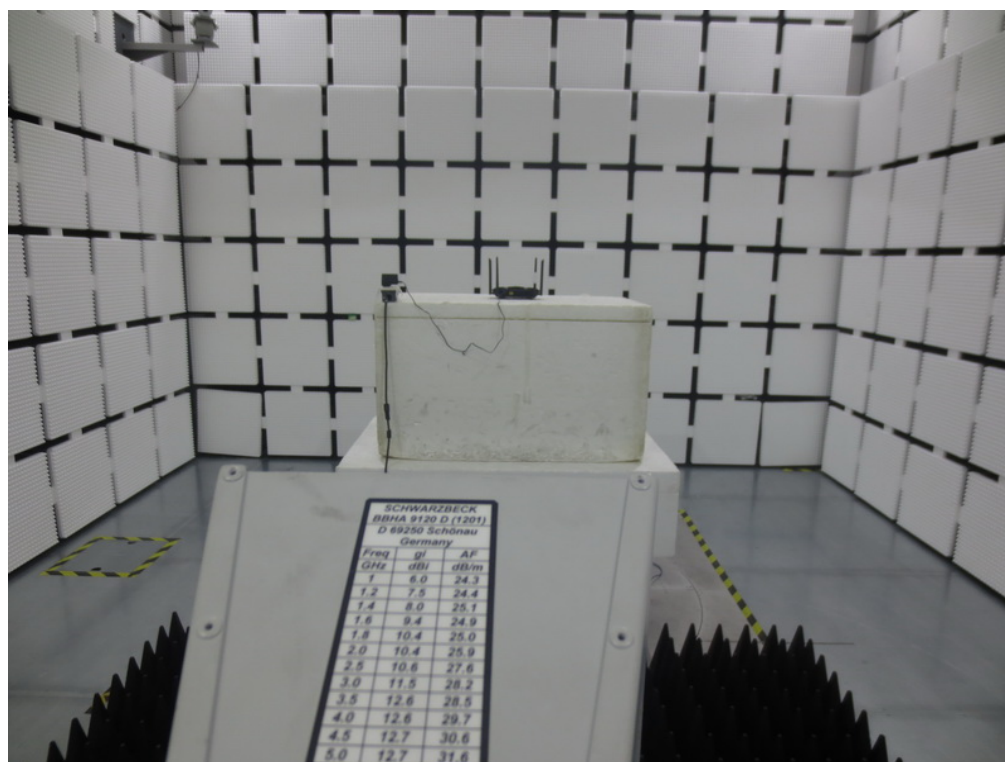
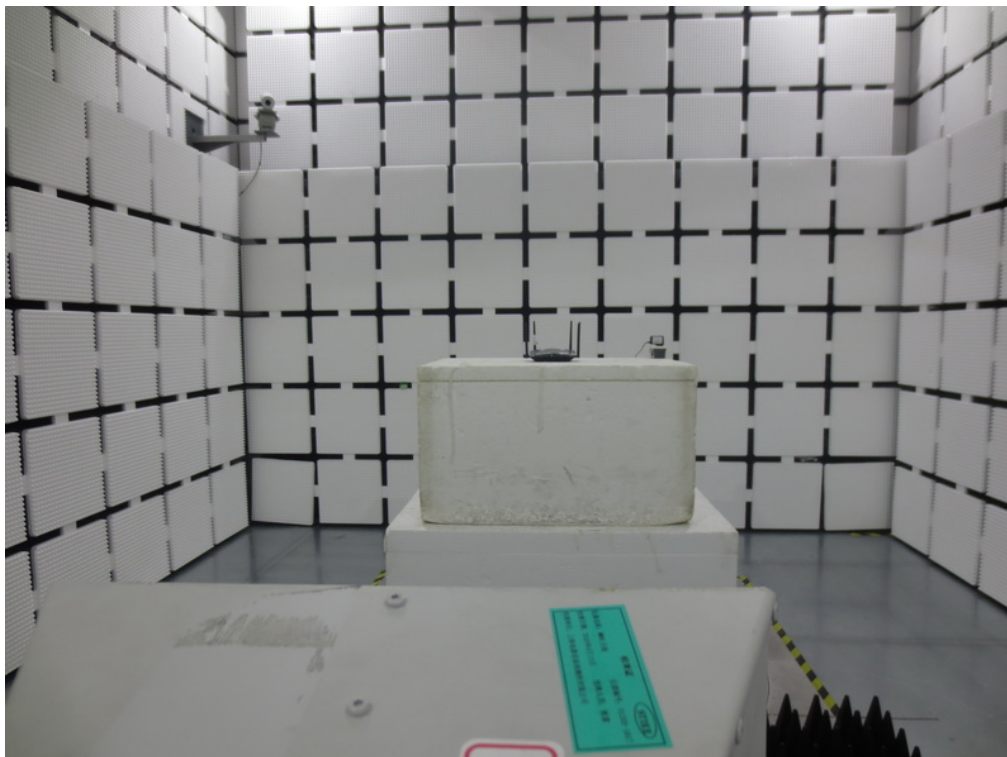
Radiated Emissions Test Photos

30 MHz to 1 GHz



Radiated Emissions Test Photos

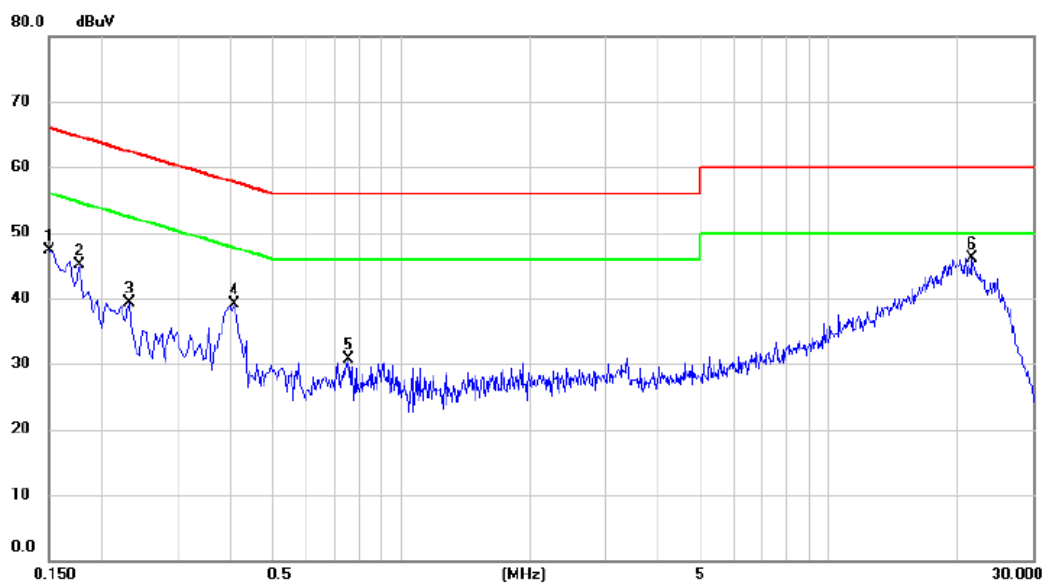
Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX AC(VHT80) Mode 5825 MHz

Line



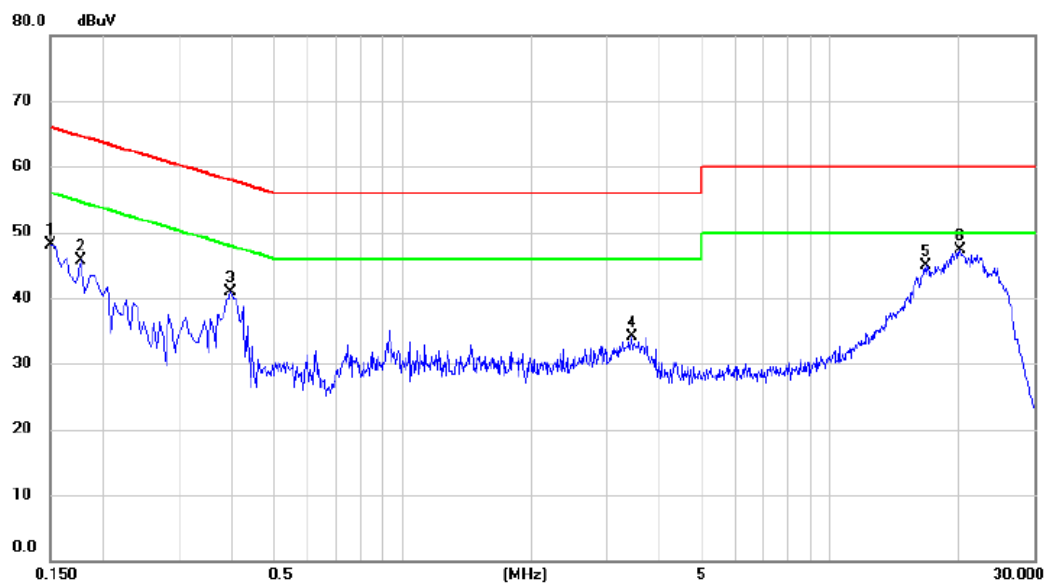
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	37.56	9.71	47.27	66.00	-18.73	peak	
2		0.1770	35.34	9.73	45.07	64.63	-19.56	peak	
3		0.2310	29.50	9.74	39.24	62.41	-23.17	peak	
4		0.4065	29.38	9.78	39.16	57.72	-18.56	peak	
5		0.7530	20.90	9.82	30.72	56.00	-25.28	peak	
6	*	21.6195	35.48	10.57	46.05	60.00	-13.95	peak	

REMARKS:

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

Test Mode: TX AC(VHT80) Mode 5825 MHz

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	38.37	9.68	48.05	66.00	-17.95	peak	
2		0.1770	36.10	9.70	45.80	64.63	-18.83	peak	
3		0.3975	31.08	9.76	40.84	57.91	-17.07	peak	
4		3.4485	24.22	9.96	34.18	56.00	-21.82	peak	
5		16.8000	34.34	10.55	44.89	60.00	-15.11	peak	
6	*	20.0670	36.66	10.57	47.23	60.00	-12.77	peak	

REMARKS:

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

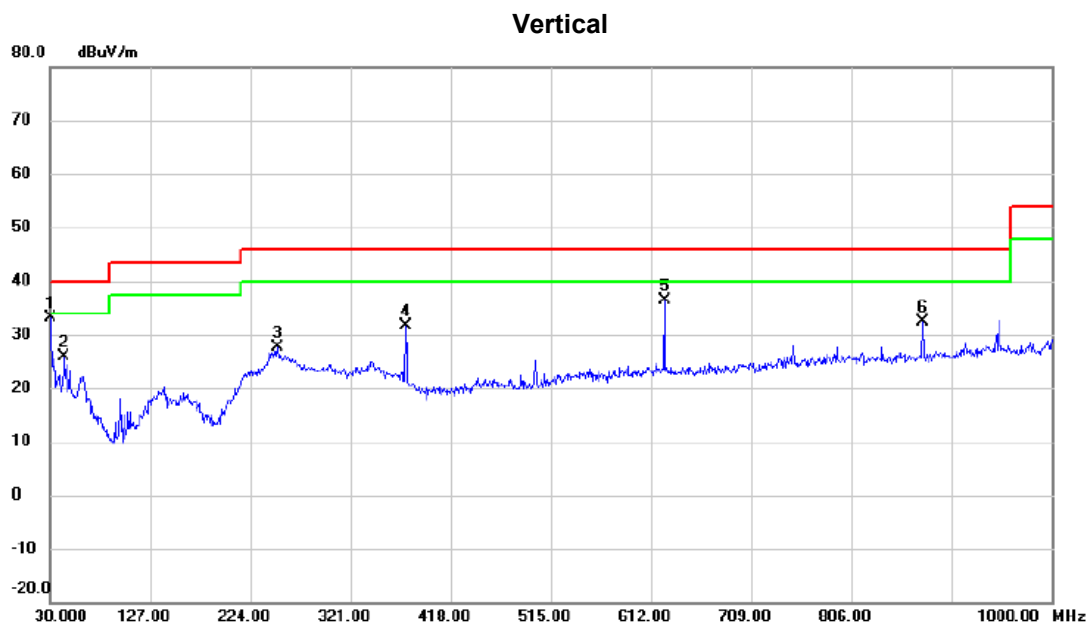
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1 GHZ

Test Mode: TX AC20 MODE CHANNEL 165



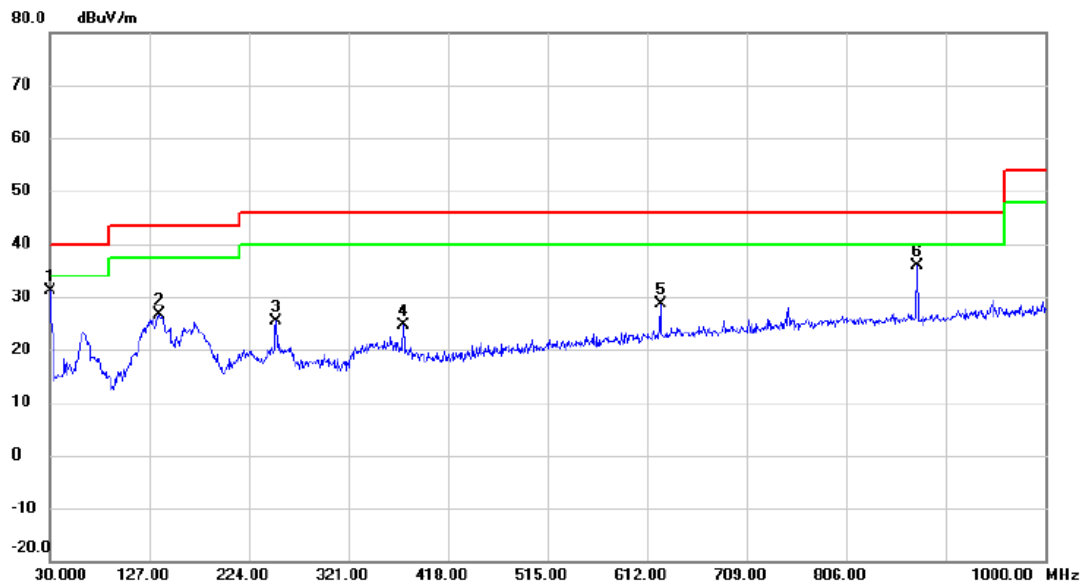
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	30.0000	51.56	-18.45	33.11	40.00	-6.89	peak	
2		44.0650	42.79	-16.98	25.81	40.00	-14.19	peak	
3		250.1900	45.04	-17.36	27.68	46.00	-18.32	peak	
4		374.8350	45.59	-13.90	31.69	46.00	-14.31	peak	
5		625.0950	45.27	-8.86	36.41	46.00	-9.59	peak	
6		874.8700	38.43	-6.13	32.30	46.00	-13.70	peak	

REMARKS:

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

Test Mode: TX AC20 MODE CHANNEL 165

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	30.0000	49.60	-18.45	31.15	40.00	-8.85	peak	
2		136.7000	43.69	-17.09	26.60	43.50	-16.90	peak	
3		250.1900	42.82	-17.36	25.46	46.00	-20.54	peak	
4		374.8350	38.43	-13.90	24.53	46.00	-21.47	peak	
5		625.0950	37.58	-8.86	28.72	46.00	-17.28	peak	
6		874.8700	41.95	-6.13	35.82	46.00	-10.18	peak	

REMARKS:

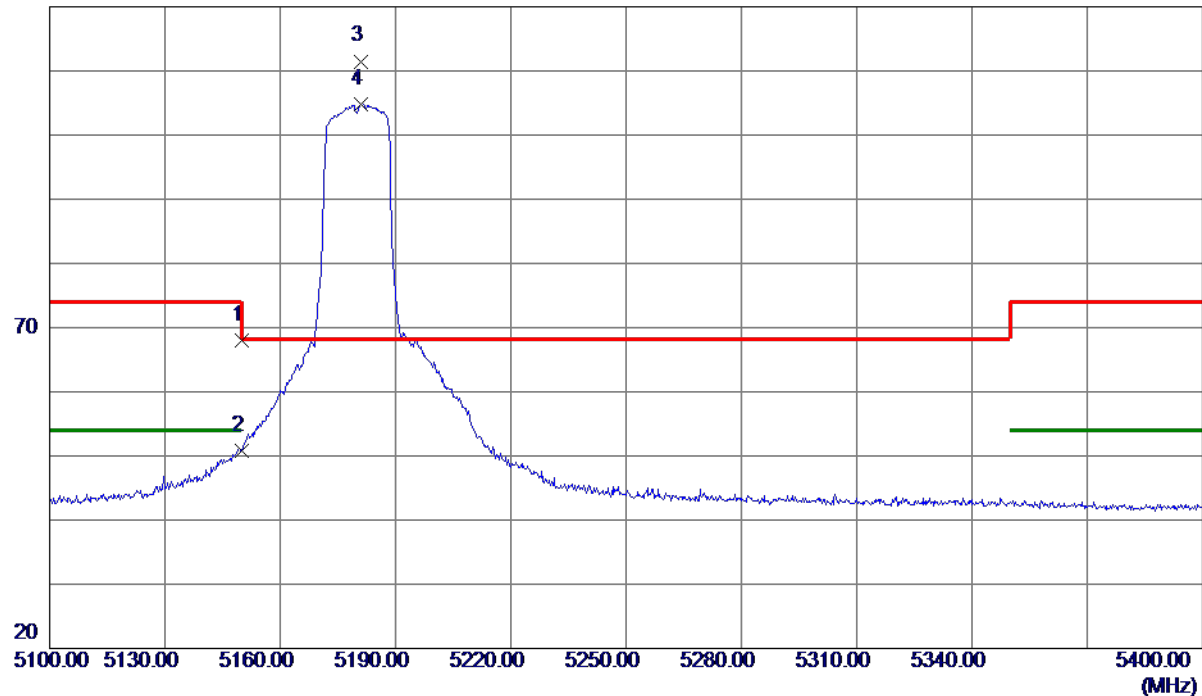
- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

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

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	30.11	37.88	67.99	74.00	-6.01	Peak	
2	5150.0000	12.90	37.88	50.78	54.00	-3.22	AVG	
3 *	5181.0000	73.75	37.75	111.50	68.20	43.30	Peak	
4	5181.0000	67.14	37.75	104.89	999.00	-894.11	AVG	

REMARKS:

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

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

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

Vertical



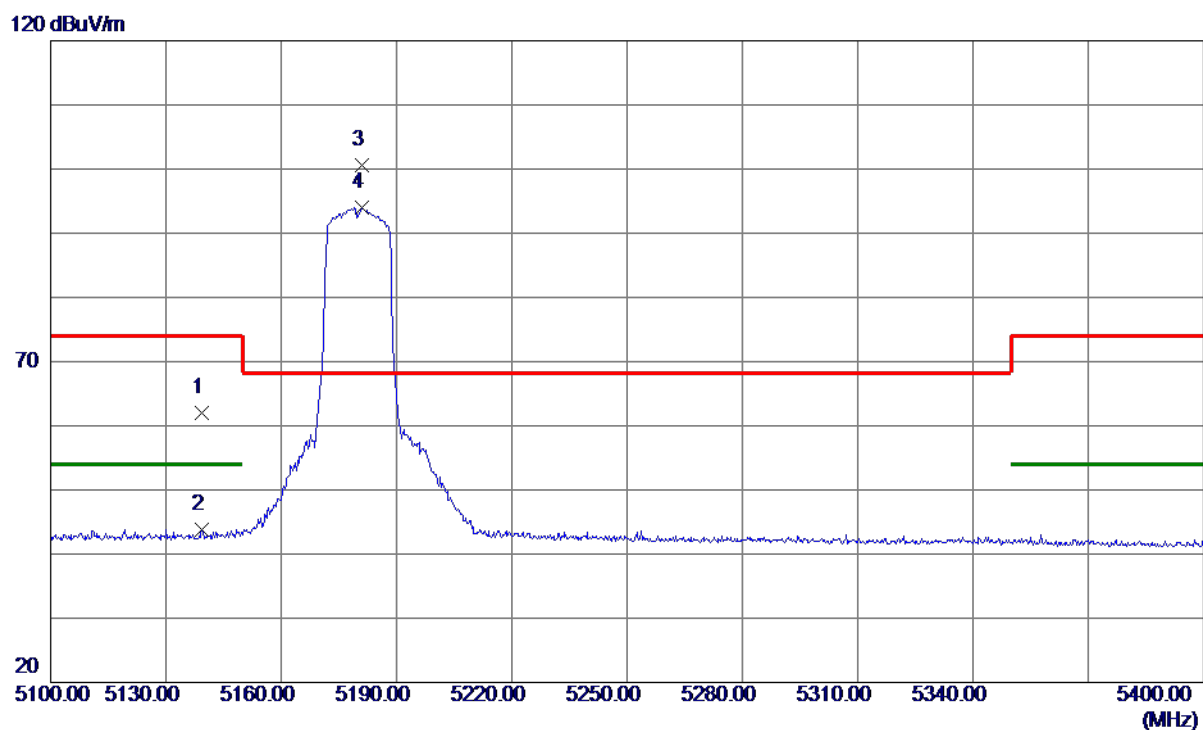
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.0000	49.62	1.65	51.27	68.20	-16.93	Peak	

REMARKS:

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5139.4500	24.15	37.92	62.07	74.00	-11.93	Peak	
2	5139.4500	5.93	37.92	43.85	54.00	-10.15	AVG	
3 *	5181.0000	62.81	37.75	100.56	68.20	32.36	Peak	
4	5181.0000	56.29	37.75	94.04	999.00	-904.96	AVG	

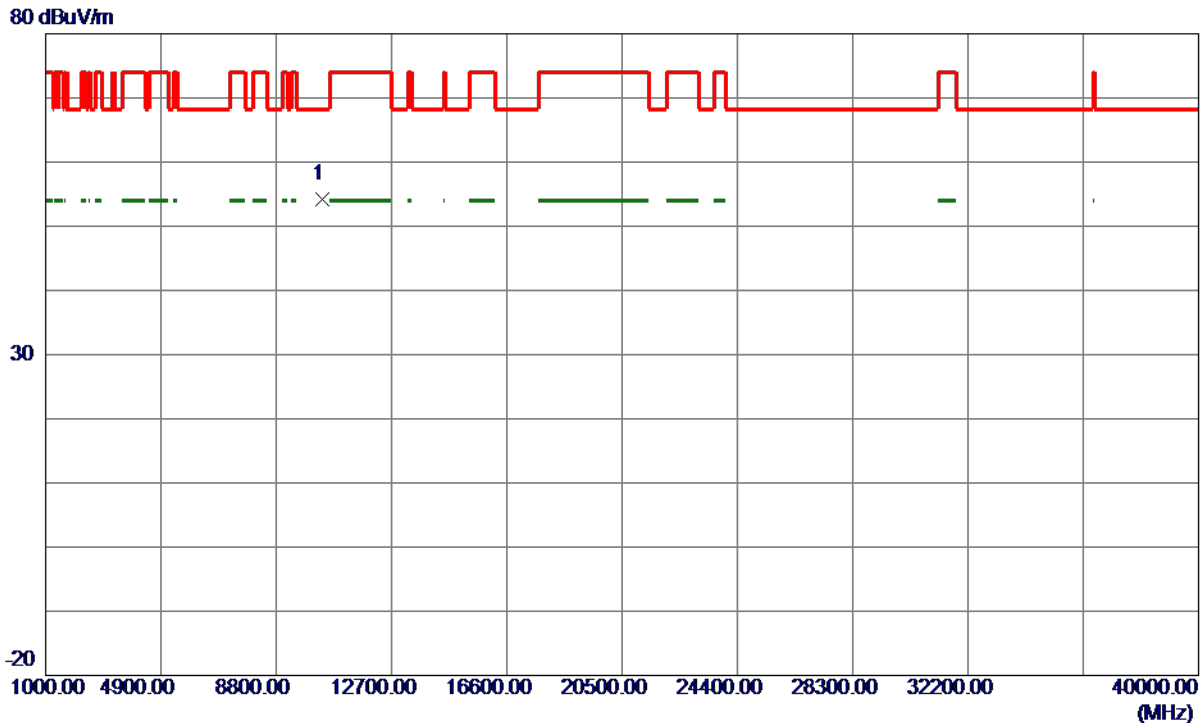
REMARKS:

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

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

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

Horizontal



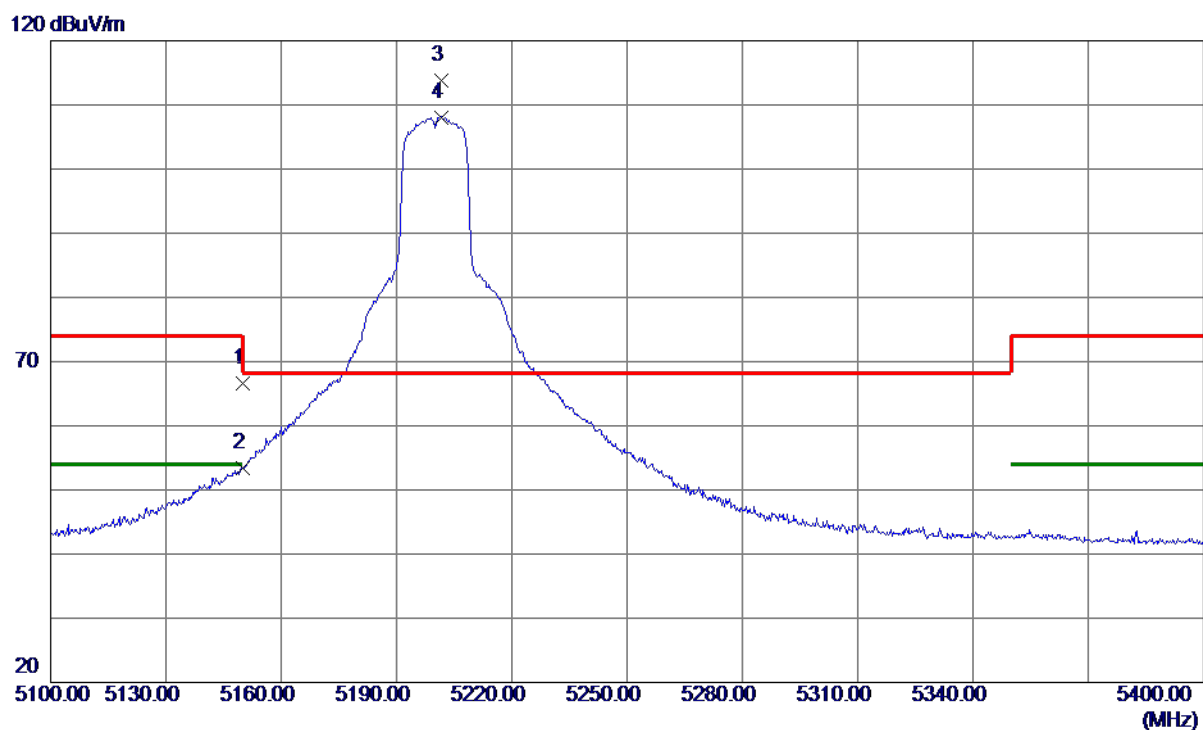
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.0000	52.48	1.65	54.13	68.20	-14.07	Peak	

REMARKS:

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	28.73	37.88	66.61	74.00	-7.39	Peak	
2	5150.0000	15.54	37.88	53.42	54.00	-0.58	AVG	
3 *	5201.7000	76.02	37.68	113.70	68.20	45.50	Peak	
4	5201.7000	70.42	37.68	108.10	999.00	-890.90	AVG	

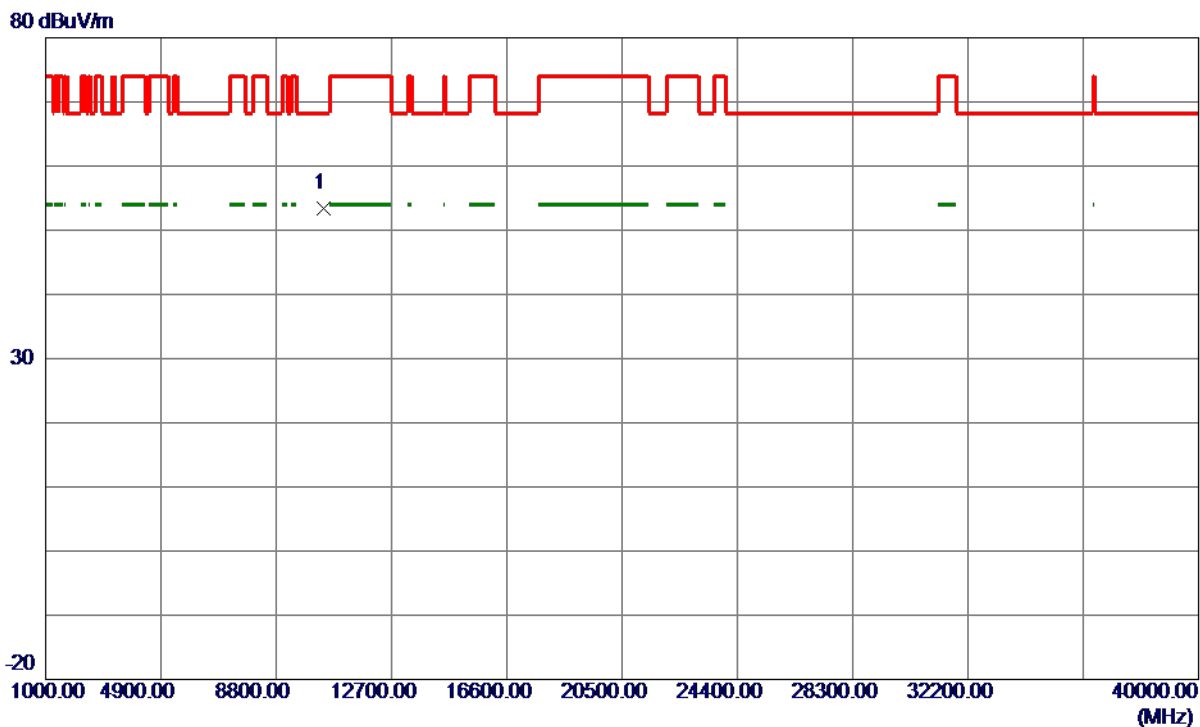
REMARKS:

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

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

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

Vertical



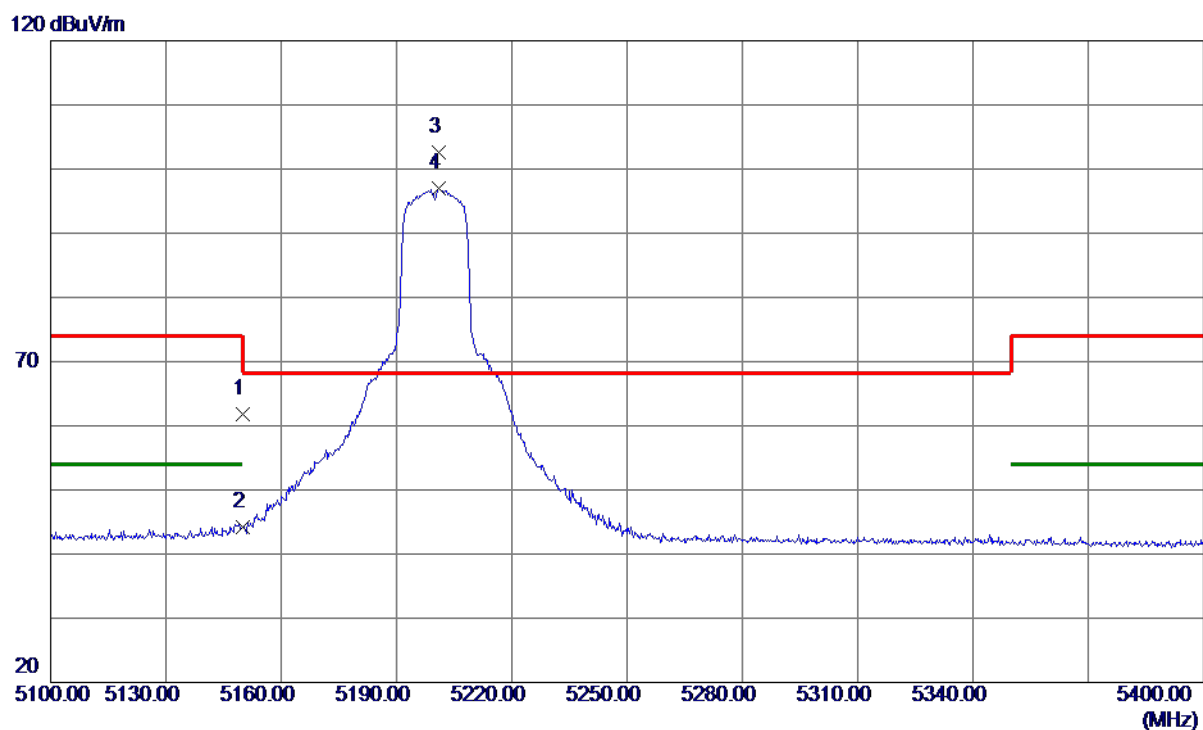
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10397.0500	51.67	1.71	53.38	68.20	-14.82	Peak	

REMARKS:

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.95	37.88	61.83	74.00	-12.17	Peak	
2	5150.0000	6.28	37.88	44.16	54.00	-9.84	AVG	
3 *	5200.9500	64.97	37.68	102.65	68.20	34.45	Peak	
4	5200.9500	59.34	37.68	97.02	999.00	-901.98	AVG	

REMARKS:

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

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

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

Horizontal

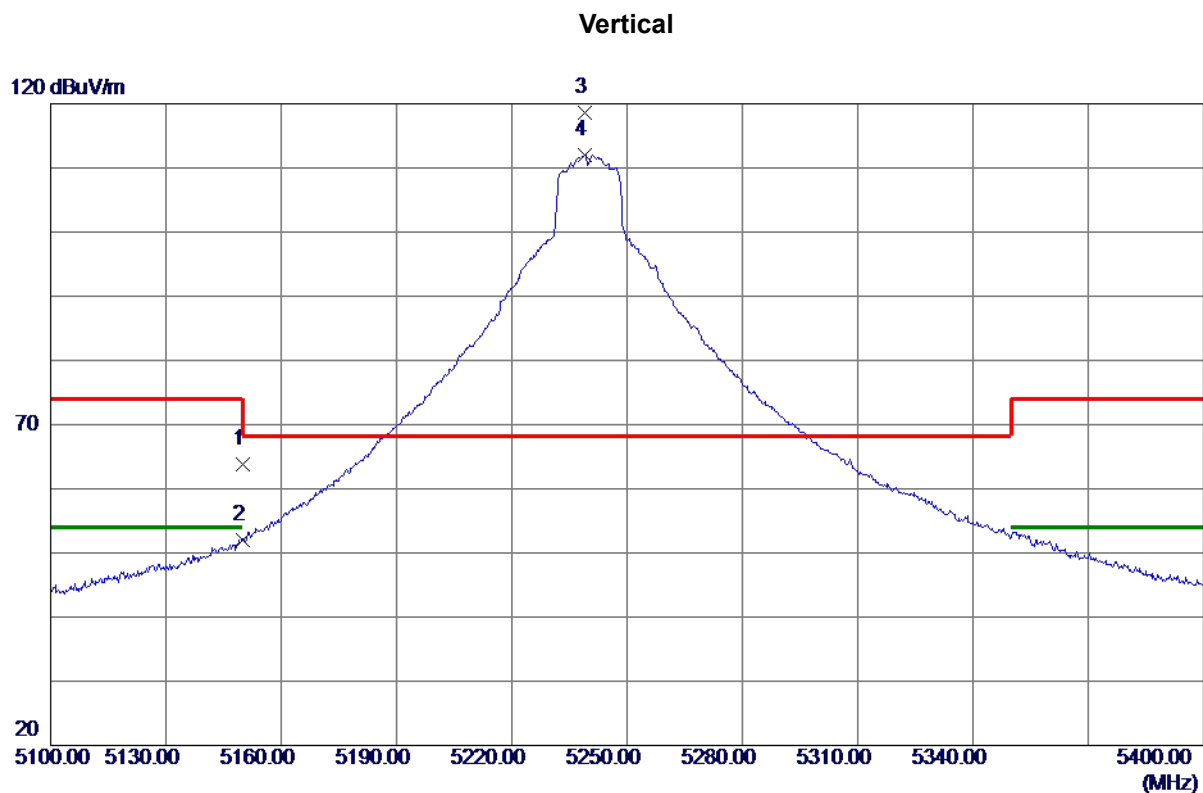


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.9500	52.45	1.72	54.17	68.20	-14.03	Peak	

REMARKS:

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

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



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	25.90	37.88	63.78	74.00	-10.22	Peak	
2	5150.0000	14.03	37.88	51.91	54.00	-2.09	AVG	
3 *	5239.0500	81.03	37.62	118.65	68.20	50.45	Peak	
4	5239.0500	74.42	37.62	112.04	999.00	-886.96	AVG	

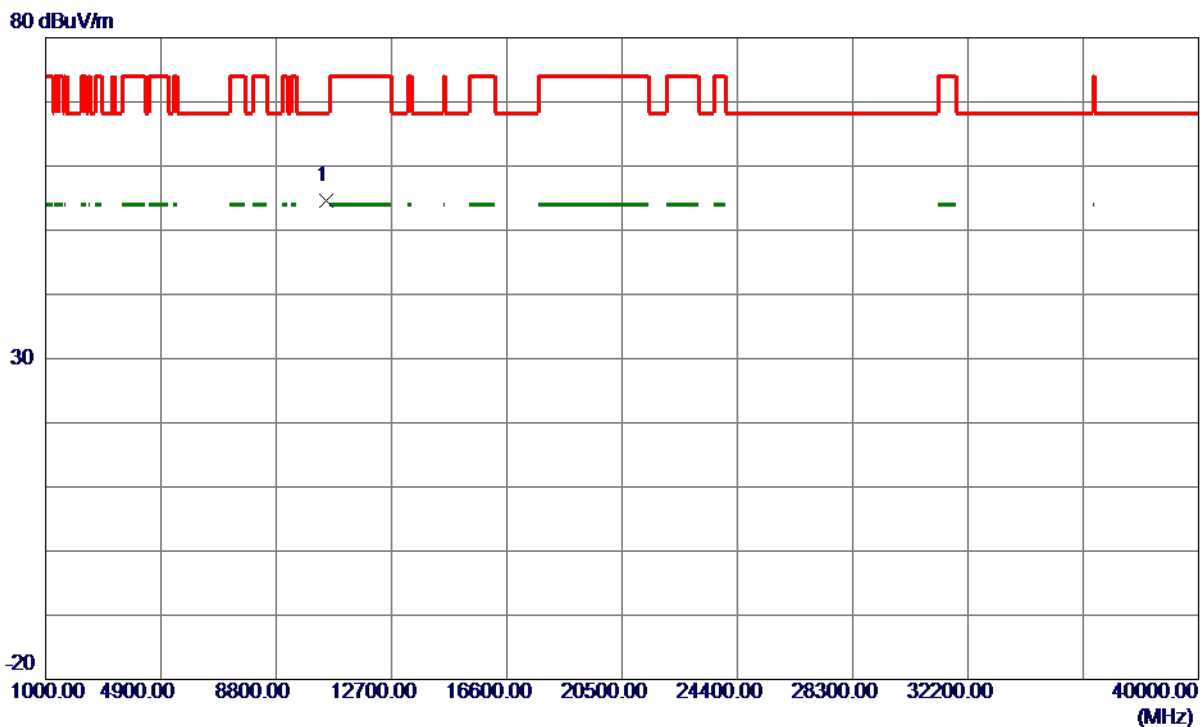
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10484.8000	52.89	1.80	54.69	68.20	-13.51	Peak	

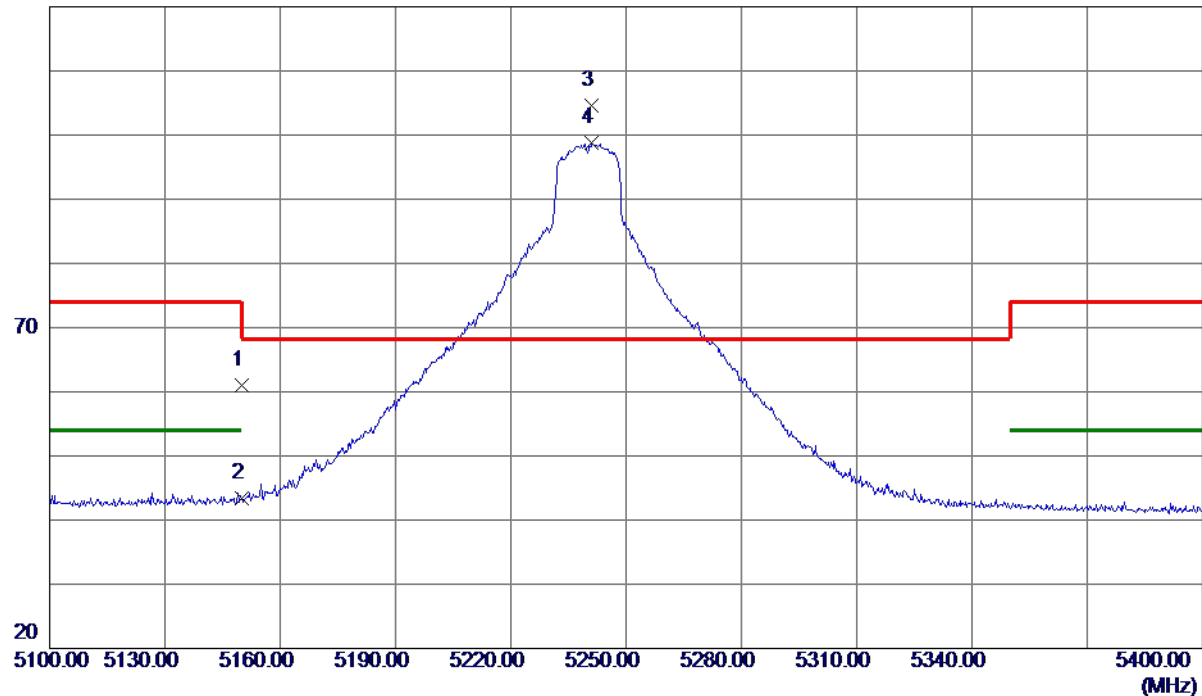
REMARKS:

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

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

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.21	37.88	61.09	74.00	-12.91	Peak	
2	5150.0000	5.43	37.88	43.31	54.00	-10.69	AVG	
3 *	5241.1500	67.04	37.62	104.66	68.20	36.46	Peak	
4	5241.1500	61.18	37.62	98.80	999.00	-900.20	AVG	

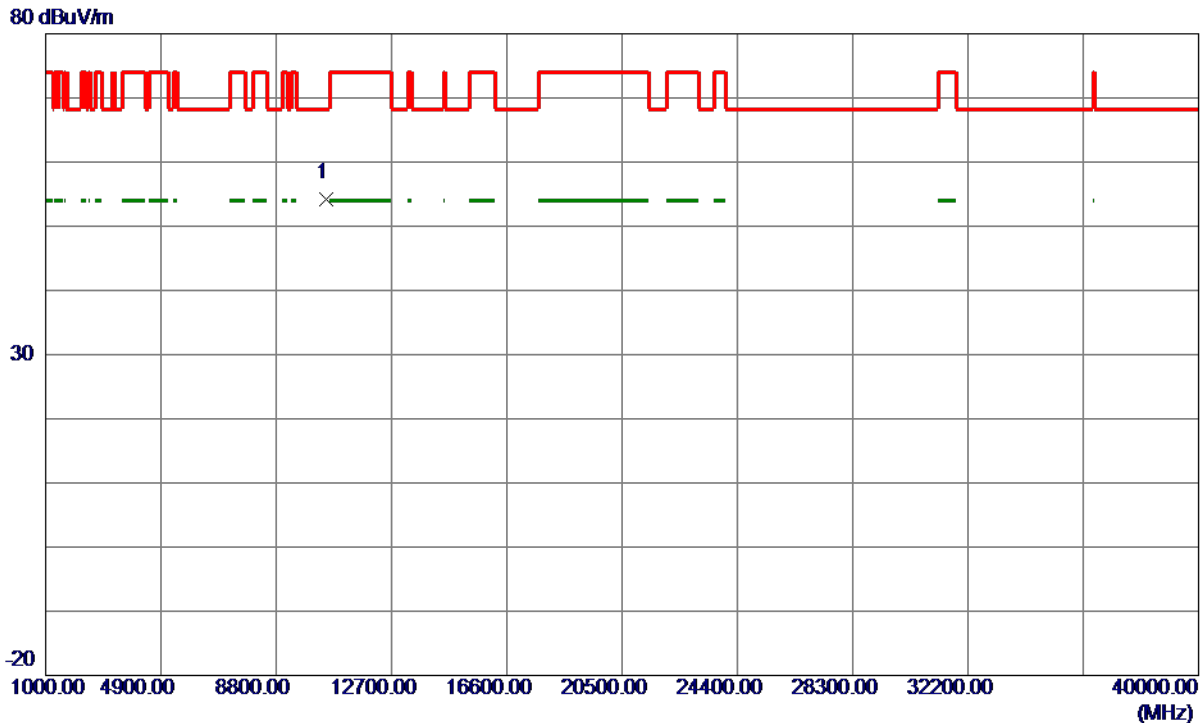
REMARKS:

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

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

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

Horizontal



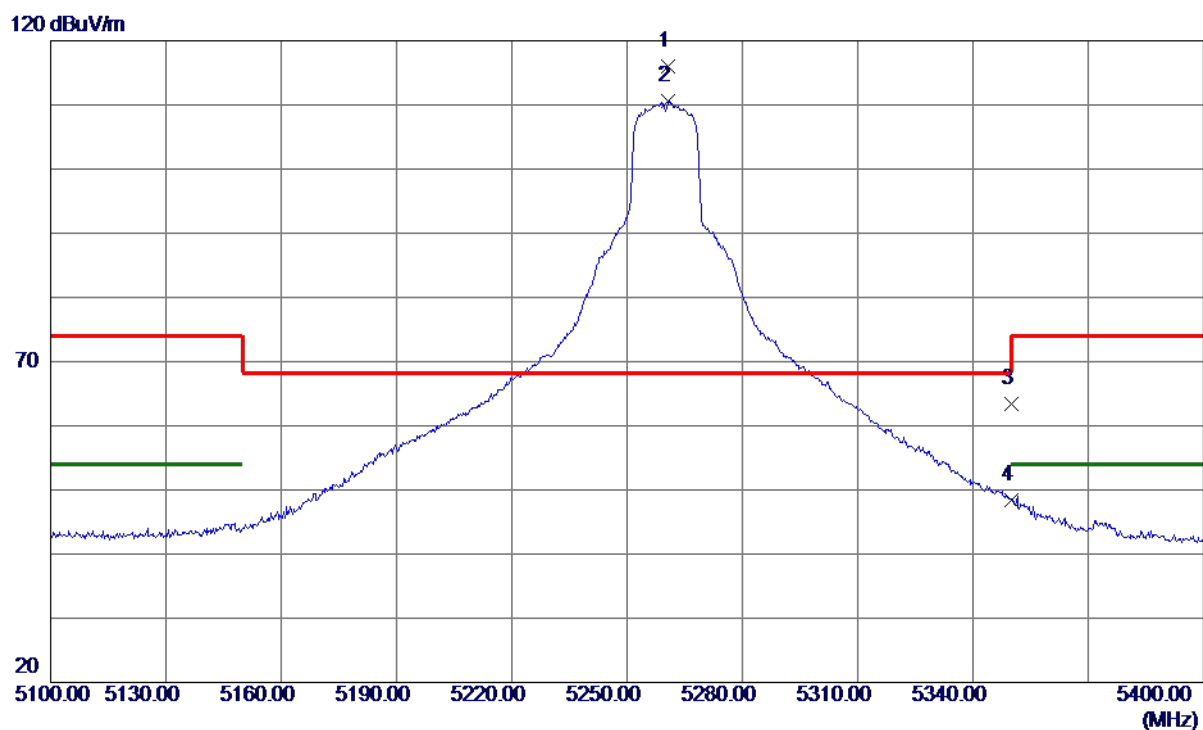
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10480.9000	52.50	1.80	54.30	68.20	-13.90	Peak	

REMARKS:

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5260.8000	78.46	37.59	116.05	68.20	47.85	Peak	
2	5260.8000	73.02	37.59	110.61	999.00	-888.39	AVG	
3	5350.0000	25.59	37.74	63.33	74.00	-10.67	Peak	
4	5350.0000	10.71	37.74	48.45	54.00	-5.55	AVG	

REMARKS:

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

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

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10519.9000	49.36	1.84	51.20	68.20	-17.00	Peak	

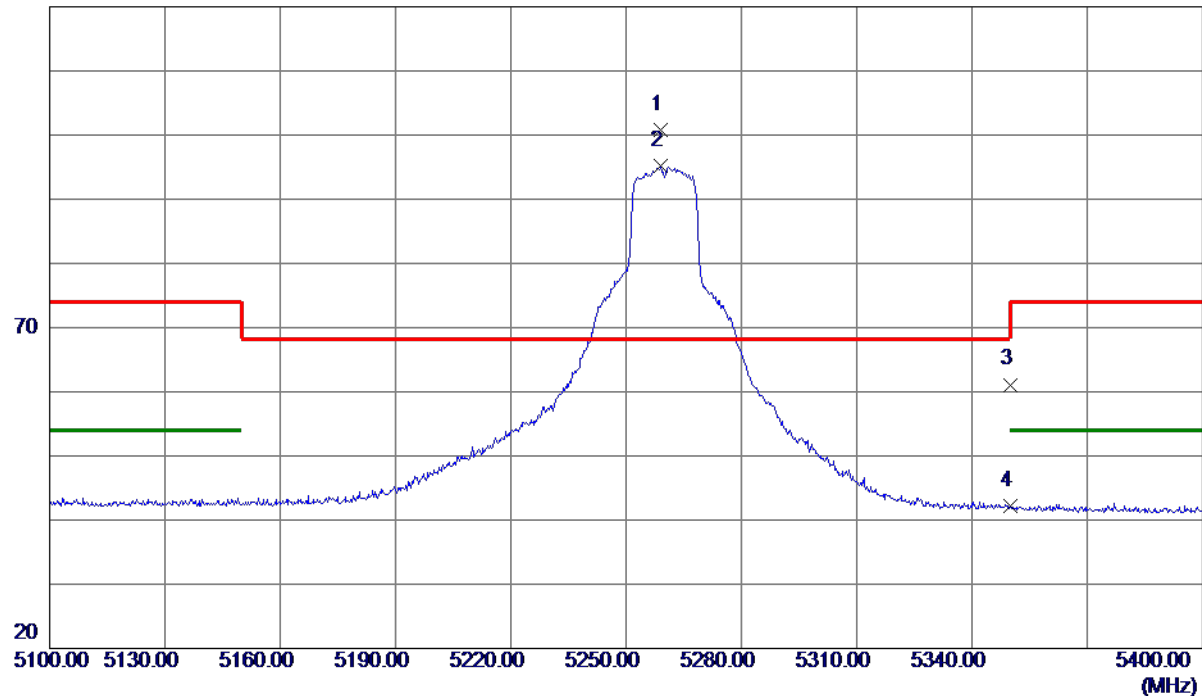
REMARKS:

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

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

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5259.1500	63.27	37.59	100.86	68.20	32.66	Peak	
2	5259.1500	57.60	37.59	95.19	999.00	-903.81	AVG	
3	5350.0000	23.36	37.74	61.10	74.00	-12.90	Peak	
4	5350.0000	4.47	37.74	42.21	54.00	-11.79	AVG	

REMARKS:

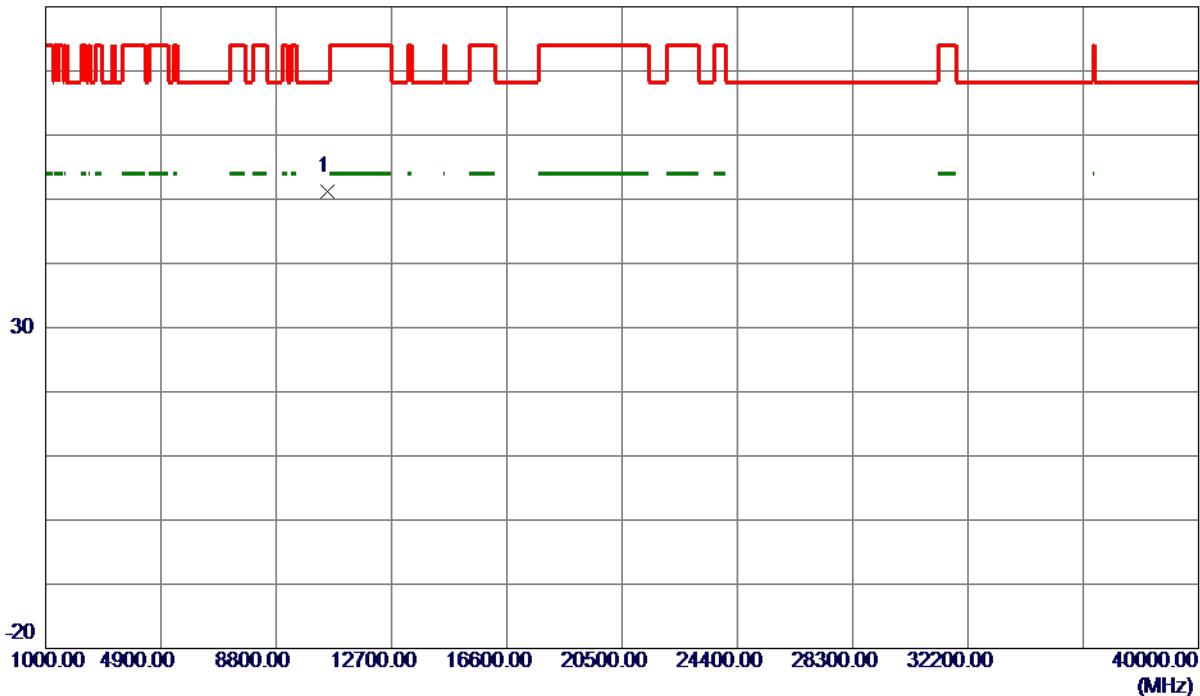
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10521.8500	49.41	1.84	51.25	68.20	-16.95	Peak	

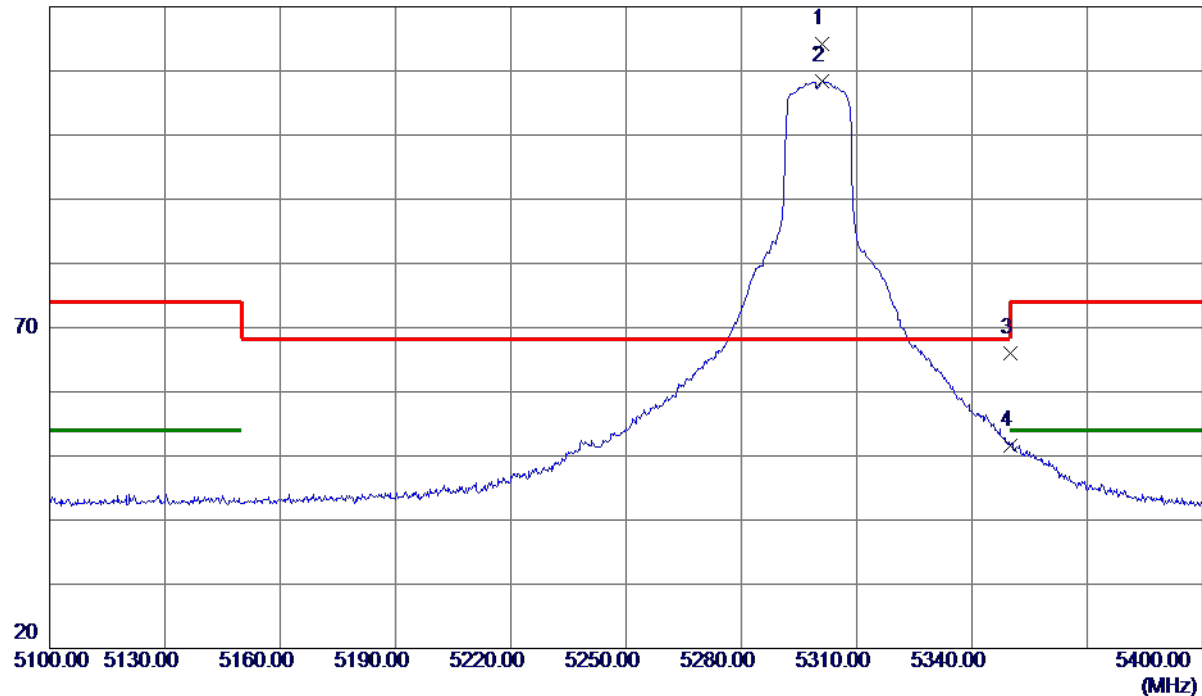
REMARKS:

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

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

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5300.8500	76.74	37.54	114.28	68.20	46.08	Peak	
2	5300.8500	70.92	37.54	108.46	999.00	-890.54	AVG	
3	5350.0000	28.29	37.74	66.03	74.00	-7.97	Peak	
4	5350.0000	13.93	37.74	51.67	54.00	-2.33	AVG	

REMARKS:

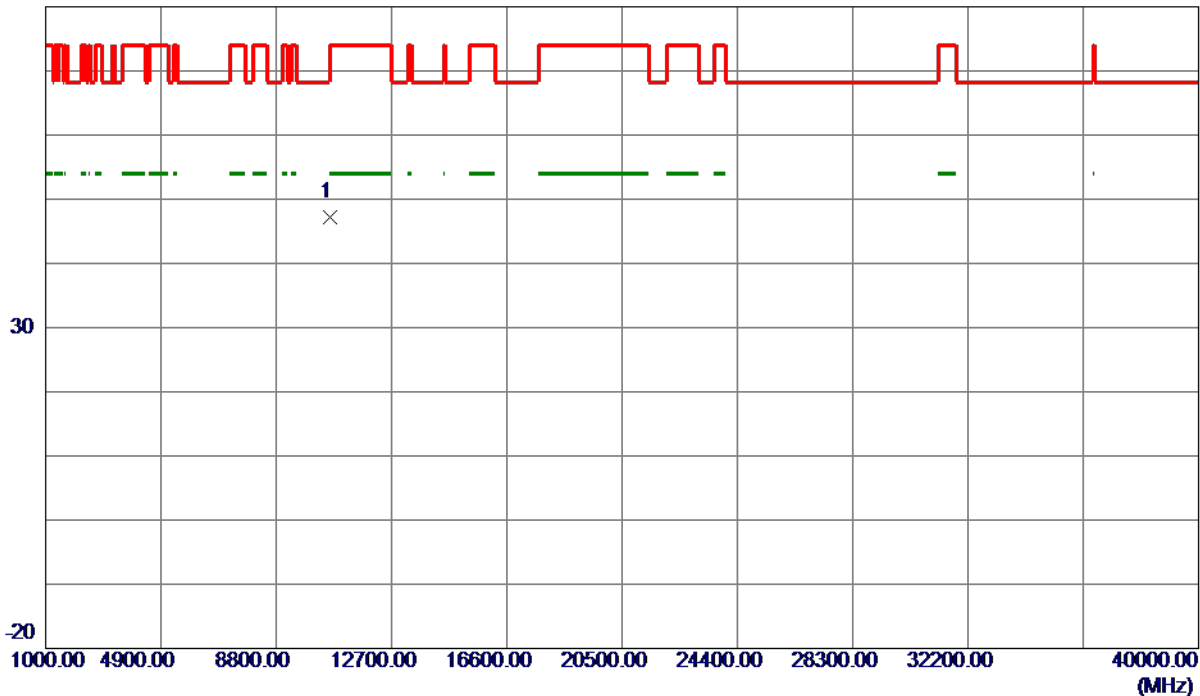
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10600.0000	45.19	1.92	47.11	68.20	-21.09	Peak	

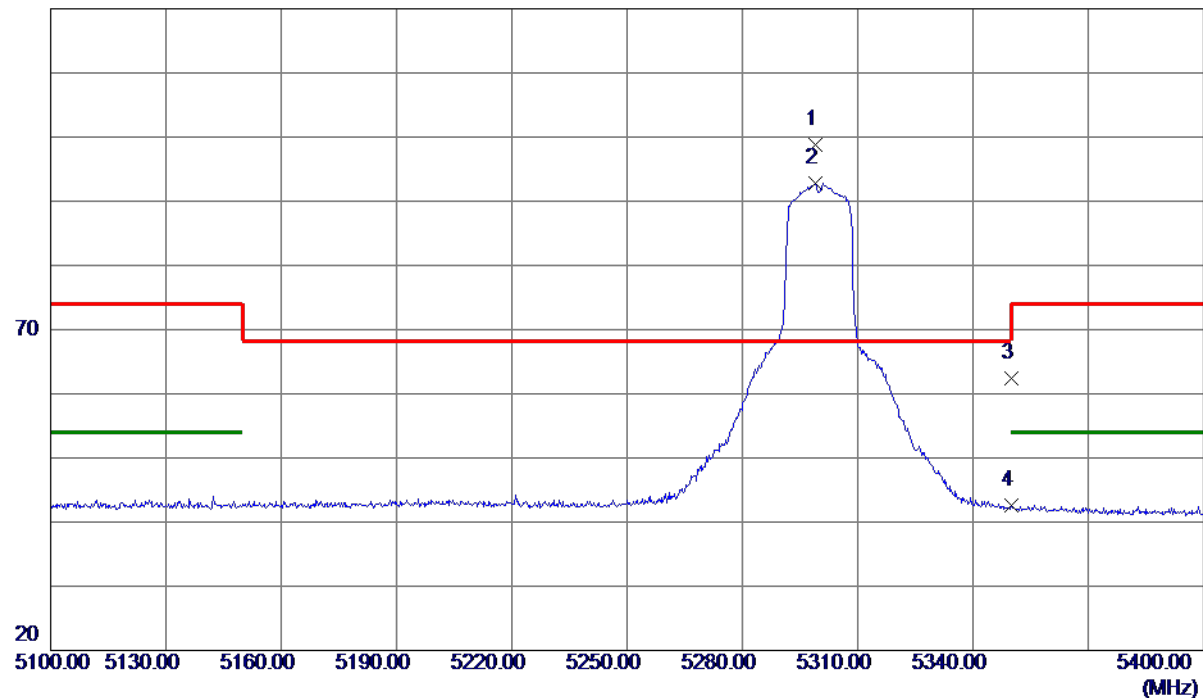
REMARKS:

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

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

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5298.9000	61.35	37.54	98.89	68.20	30.69	Peak	
2	5298.9000	55.33	37.54	92.87	999.00	-906.13	AVG	
3	5350.0000	24.72	37.74	62.46	74.00	-11.54	Peak	
4	5350.0000	4.85	37.74	42.59	54.00	-11.41	AVG	

REMARKS:

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

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

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10601.8000	47.95	1.92	49.87	74.00	-24.13	Peak	

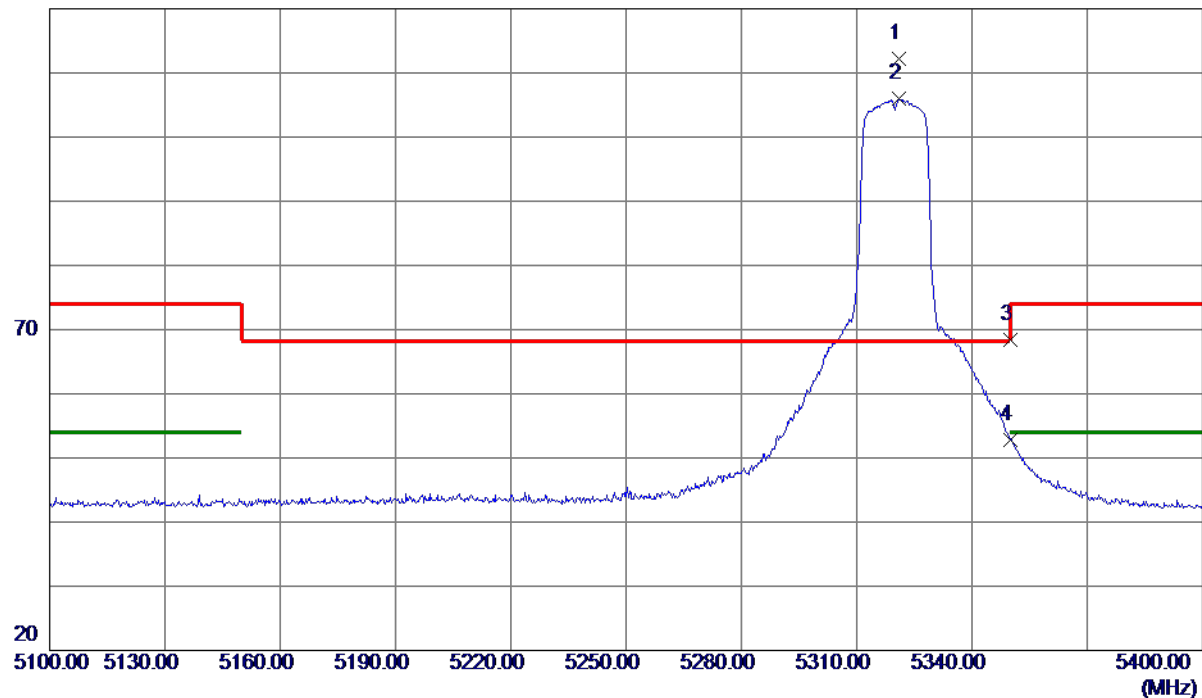
REMARKS:

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

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

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5321.1000	74.59	37.62	112.21	68.20	44.01	Peak	
2	5321.1000	68.47	37.62	106.09	999.00	-892.91	AVG	
3	5350.0000	30.61	37.74	68.35	74.00	-5.65	Peak	
4	5350.0000	14.97	37.74	52.71	54.00	-1.29	AVG	

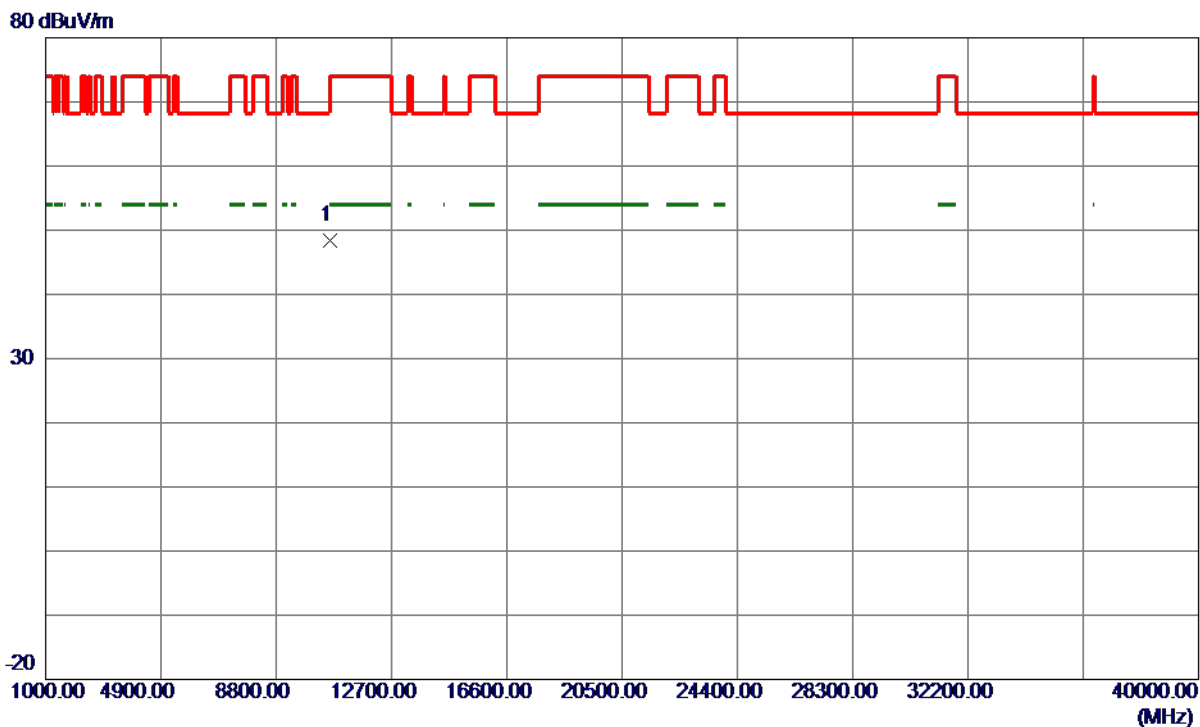
REMARKS:

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

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

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10638.8500	46.50	1.94	48.44	74.00	-25.56	Peak	

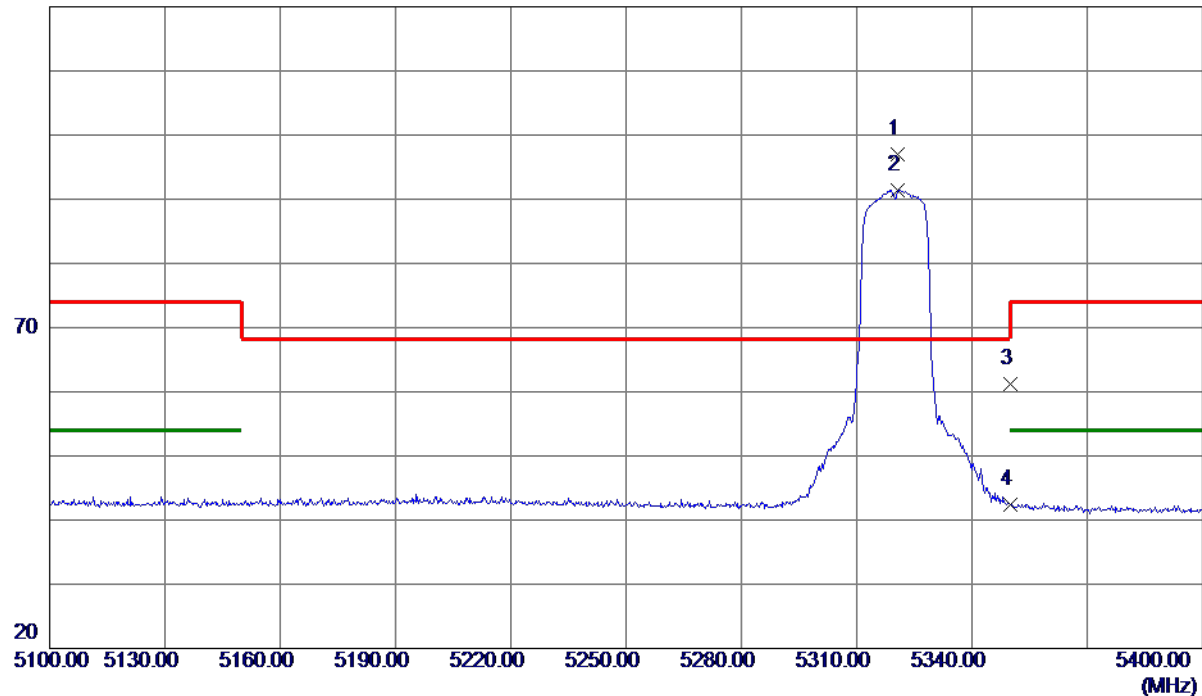
REMARKS:

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

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

Horizontal

120 dBuV/m



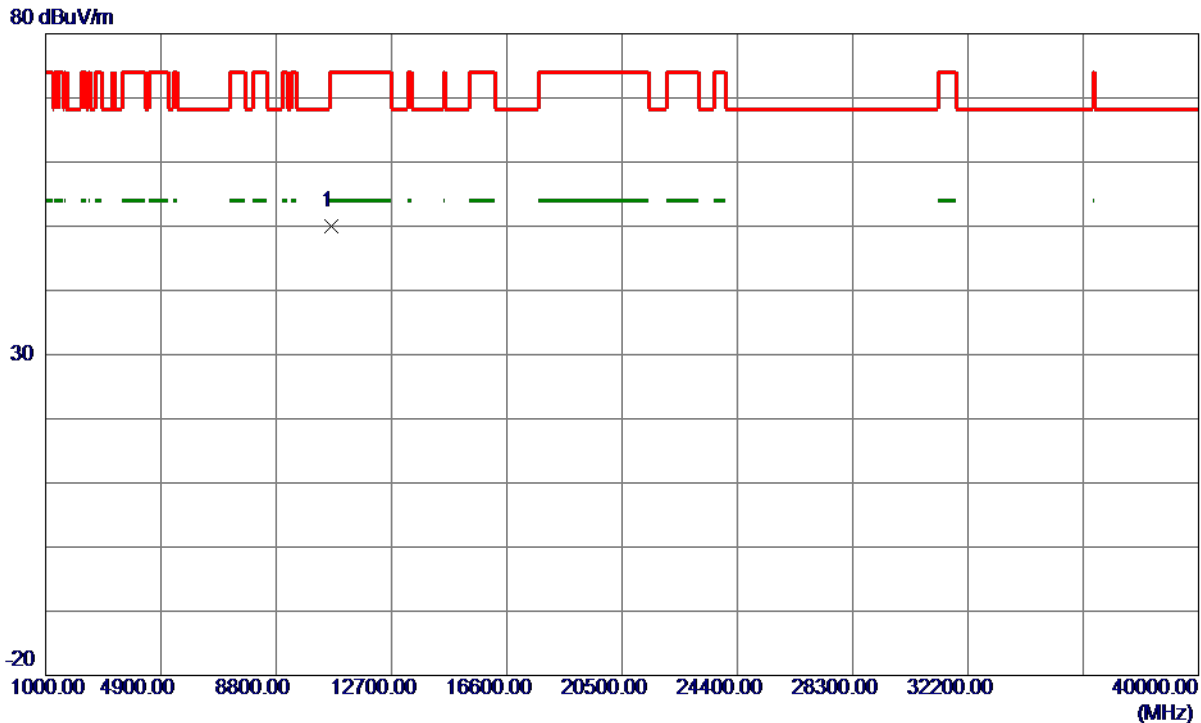
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5320.8000	59.33	37.62	96.95	68.20	28.75	Peak	
2	5320.8000	53.85	37.62	91.47	999.00	-907.53	AVG	
3	5350.0000	23.42	37.74	61.16	74.00	-12.84	Peak	
4	5350.0000	4.74	37.74	42.48	54.00	-11.52	AVG	

REMARKS:

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

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10644.7000	48.13	1.94	50.07	74.00	-23.93	Peak	

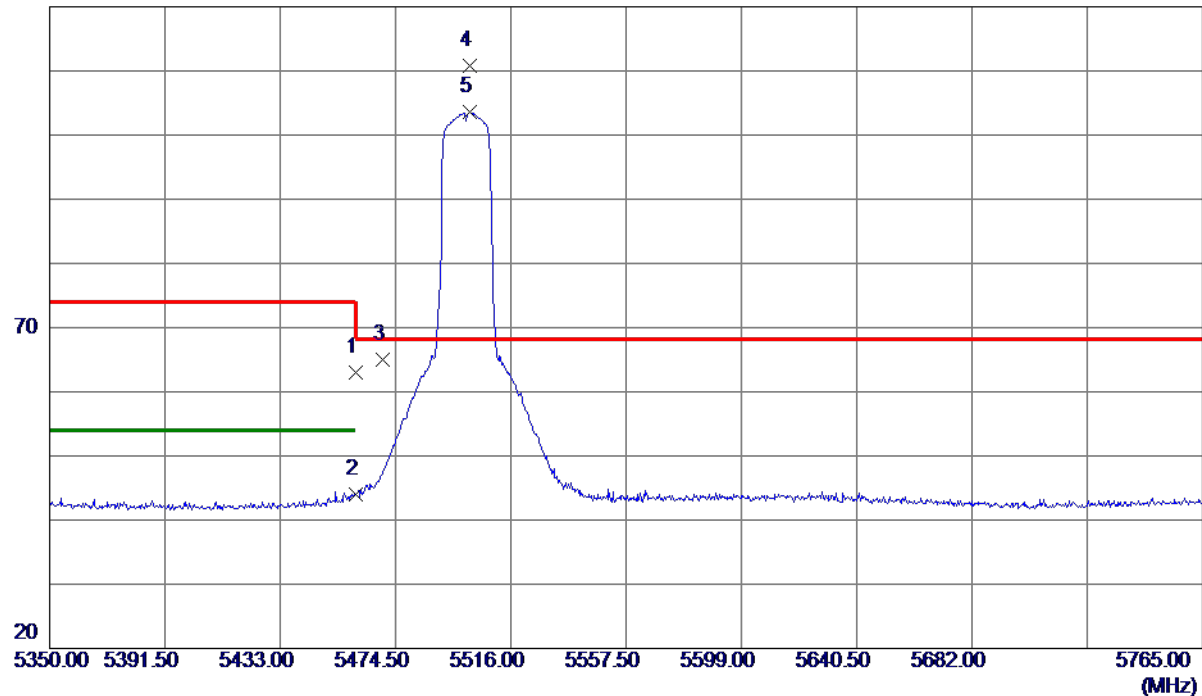
REMARKS:

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

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

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	24.97	38.12	63.09	74.00	-10.91	Peak	
2	5460.0000	5.84	38.12	43.96	54.00	-10.04	AVG	
3	5470.0000	26.84	38.15	64.99	68.20	-3.21	Peak	
4 *	5501.0600	72.64	38.24	110.88	68.20	42.68	Peak	
5	5501.0600	65.39	38.24	103.63	999.00	-895.37	AVG	

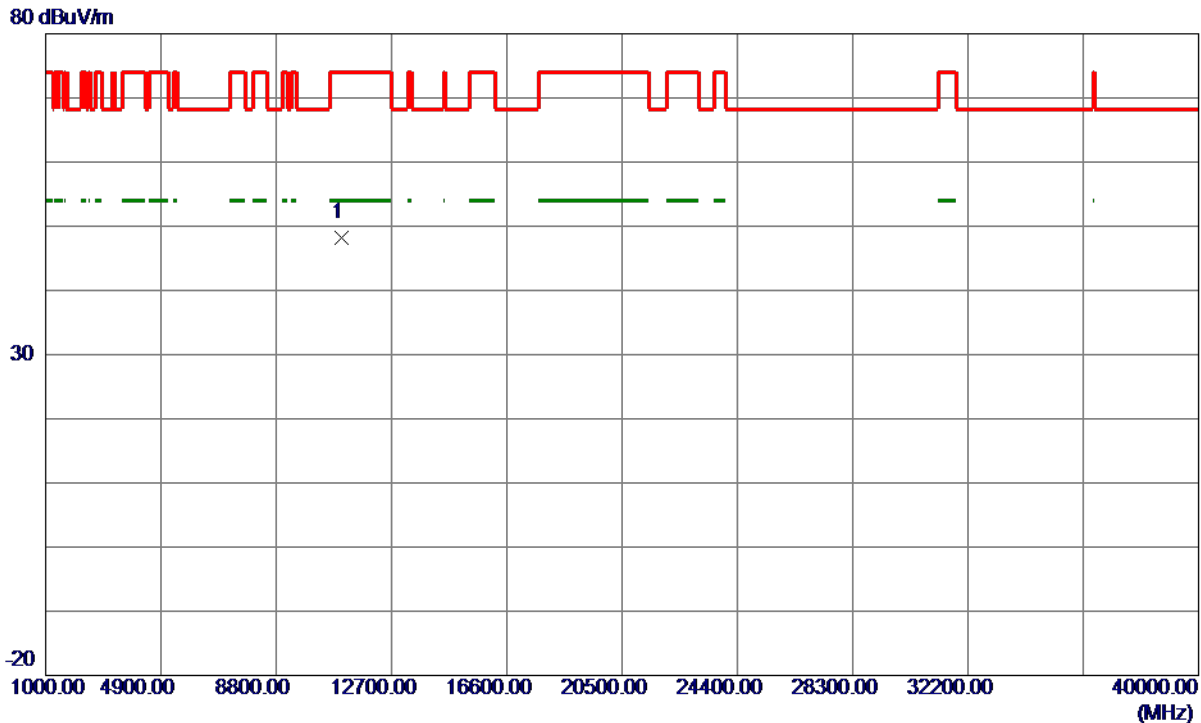
REMARKS:

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

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

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11000.0000	45.88	2.34	48.22	74.00	-25.78	Peak	

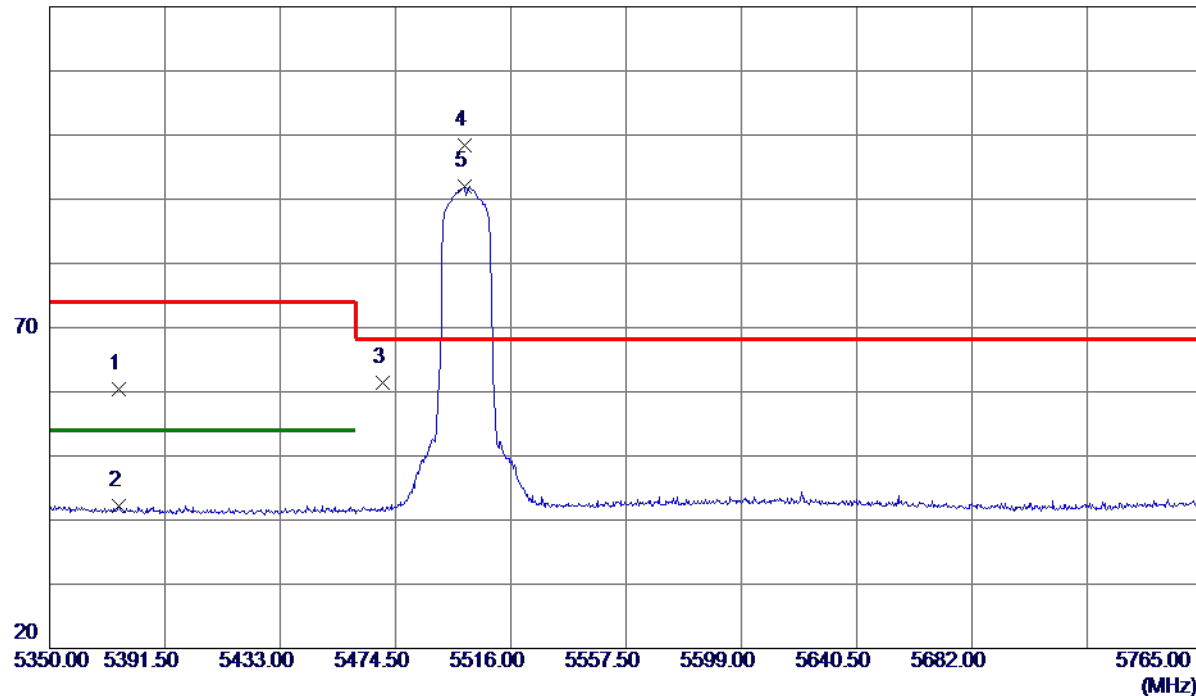
REMARKS:

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

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

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5374.9000	22.58	37.84	60.42	74.00	-13.58	Peak	
2	5374.9000	4.40	37.84	42.24	54.00	-11.76	AVG	
3	5470.0000	23.28	38.15	61.43	68.20	-6.77	Peak	
4 *	5499.1930	60.14	38.24	98.38	68.20	30.18	Peak	
5	5499.1930	53.75	38.24	91.99	999.00	-907.01	AVG	

REMARKS:

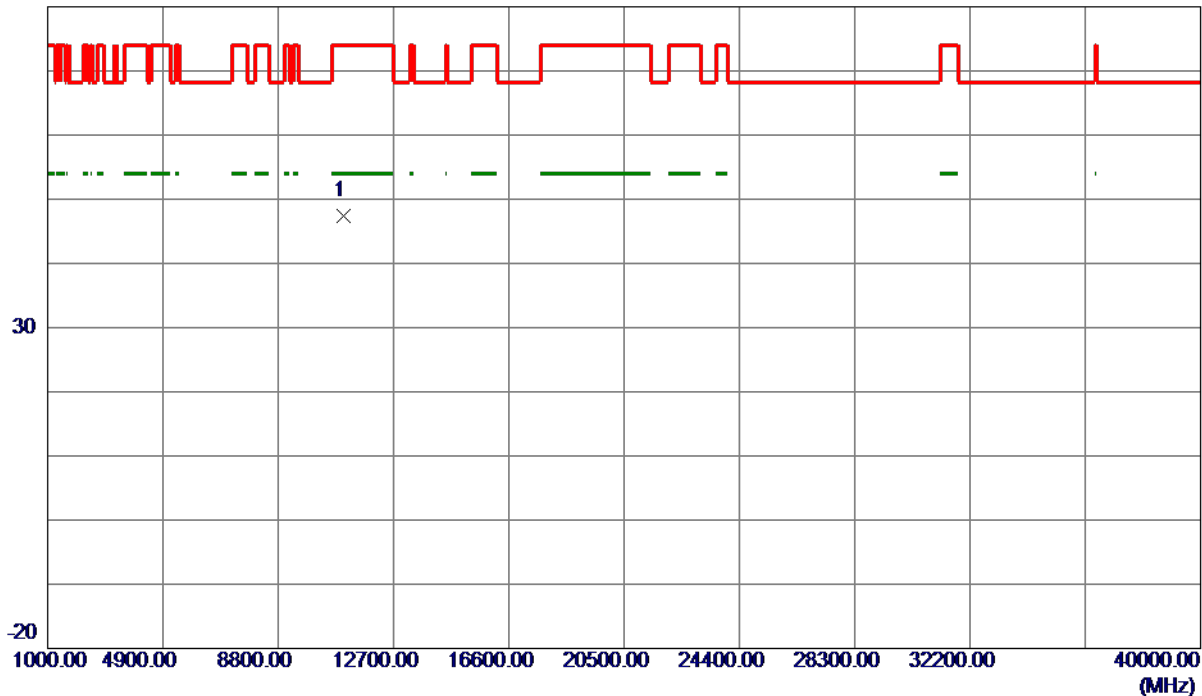
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Horizontal

80 dBuV/m



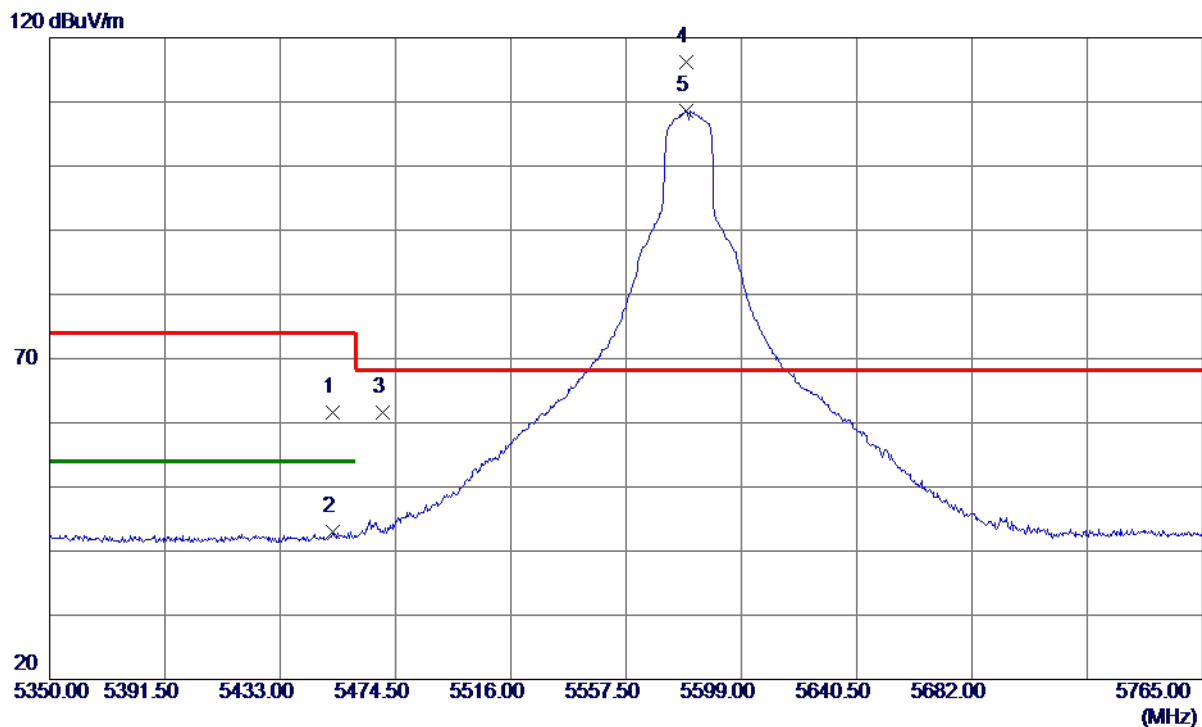
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11000.0000	45.14	2.34	47.48	74.00	-26.52	Peak	

REMARKS:

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5451.6750	23.48	38.10	61.58	74.00	-12.42	Peak	
2	5451.6750	4.85	38.10	42.95	54.00	-11.05	AVG	
3	5470.0000	23.50	38.15	61.65	68.20	-6.55	Peak	
4 *	5579.0800	77.83	38.32	116.15	68.20	47.95	Peak	
5	5579.0800	70.28	38.32	108.60	999.00	-890.40	AVG	

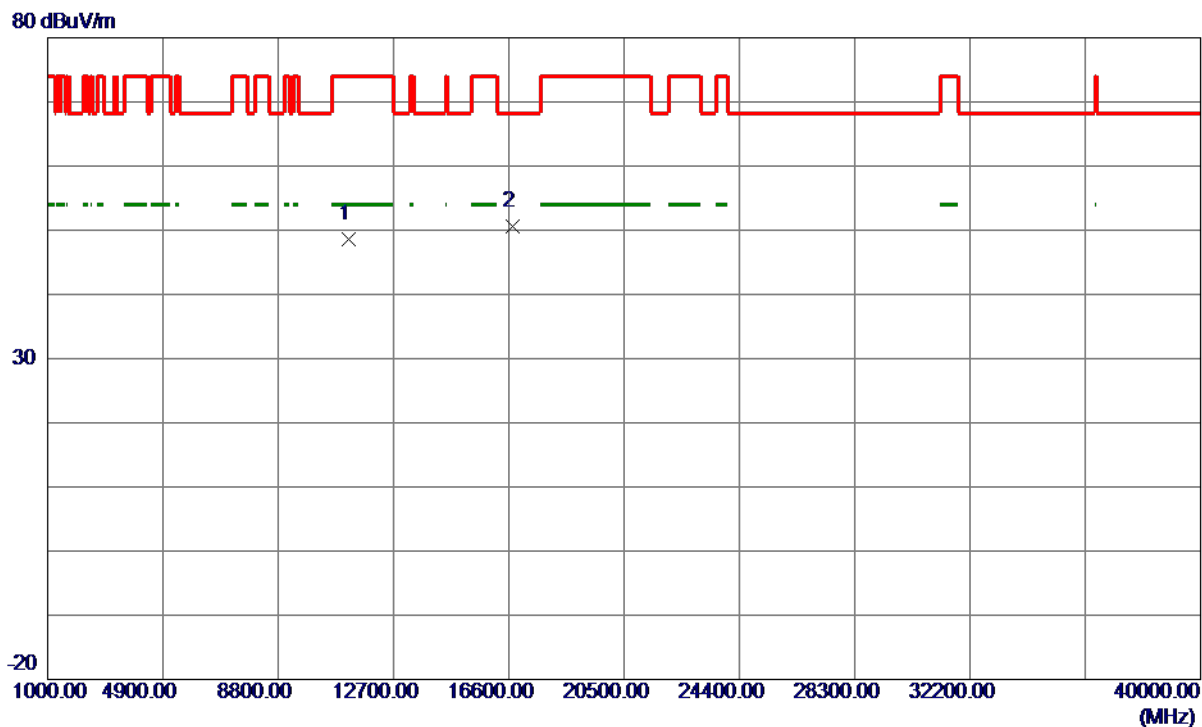
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11163.4000	46.61	2.03	48.64	74.00	-25.36	Peak	
2 *	16746.2500	45.73	4.78	50.51	68.20	-17.69	Peak	

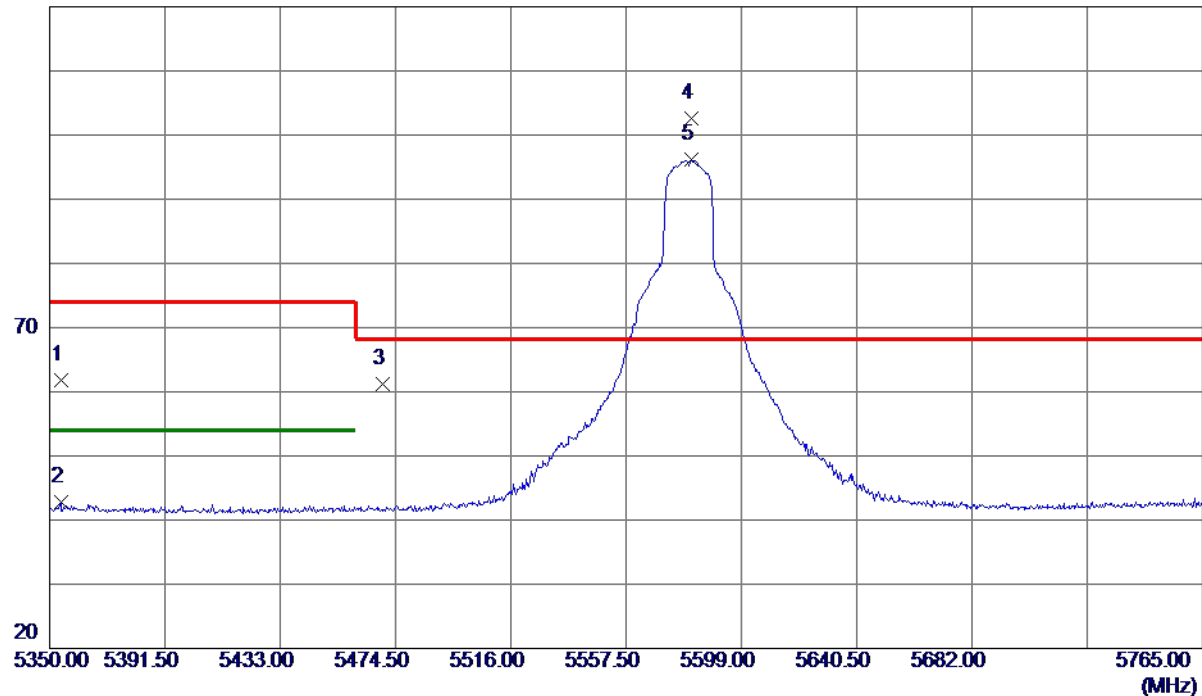
REMARKS:

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

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

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5353.9430	24.06	37.75	61.81	74.00	-12.19	Peak	
2	5353.9430	5.11	37.75	42.86	54.00	-11.14	AVG	
3	5470.0000	23.09	38.15	61.24	68.20	-6.96	Peak	
4 *	5581.1549	64.36	38.32	102.68	68.20	34.48	Peak	
5	5581.1549	57.96	38.32	96.28	999.00	-902.72	AVG	

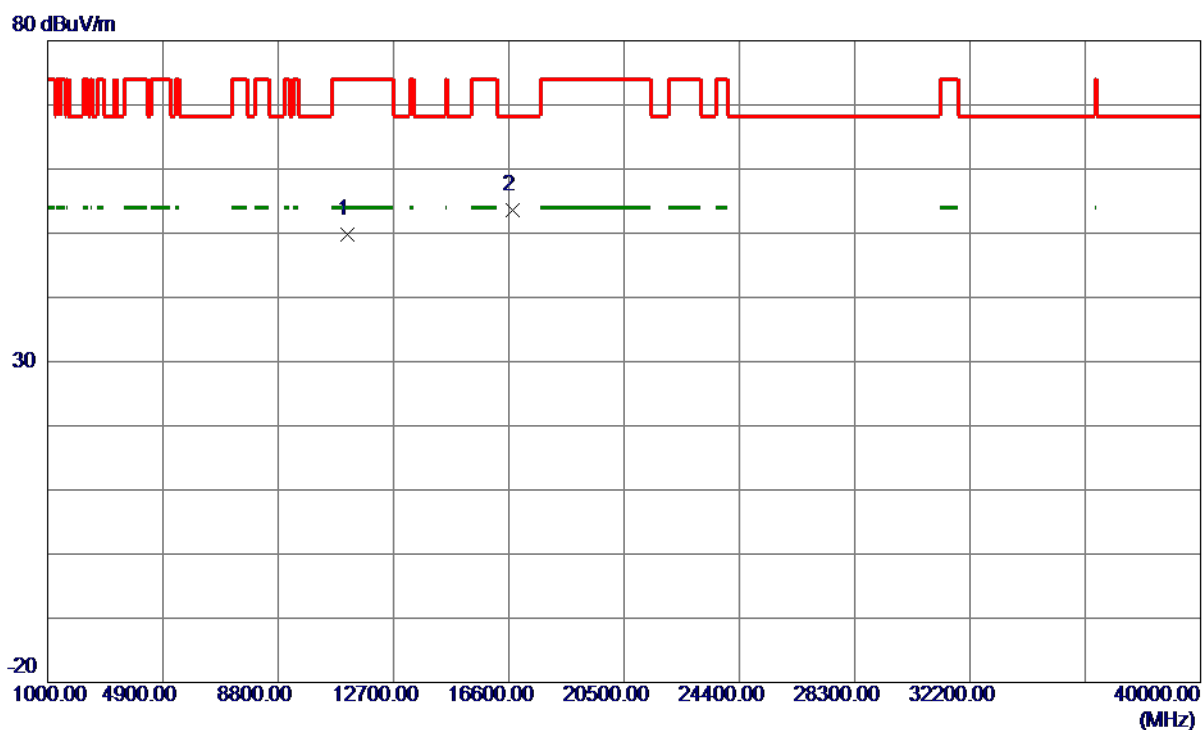
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11161.4500	47.72	2.03	49.75	74.00	-24.25	Peak	
2 *	16740.4000	48.78	4.76	53.54	68.20	-14.66	Peak	

REMARKS:

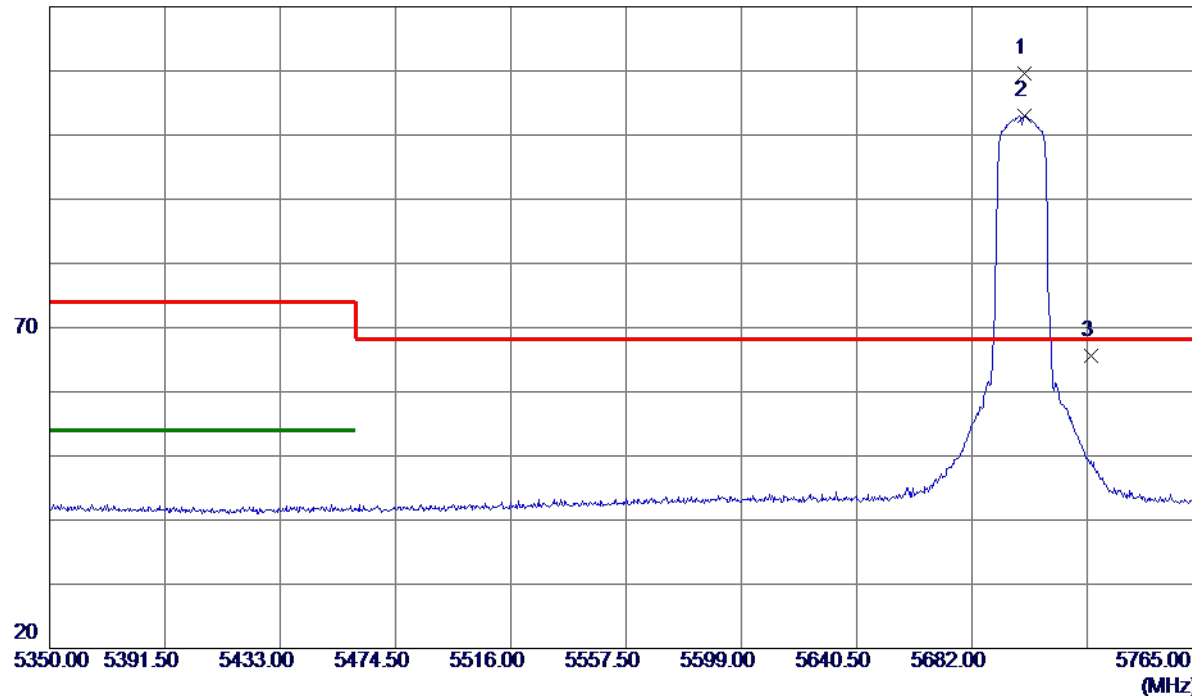
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5701.0900	71.22	38.41	109.63	68.20	41.43	Peak	
2	5701.0900	64.65	38.41	103.06	999.00	-895.94	AVG	
3	5725.0000	27.14	38.50	65.64	68.20	-2.56	Peak	

REMARKS:

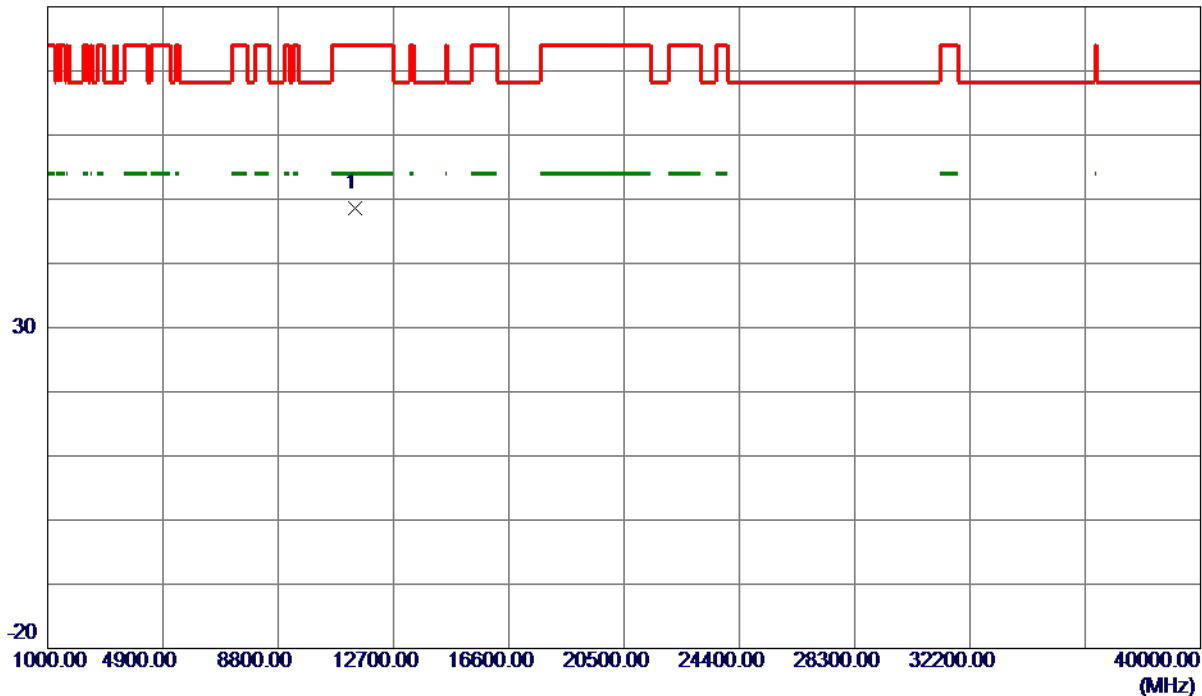
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11400.0000	46.50	2.13	48.63	74.00	-25.37	Peak	

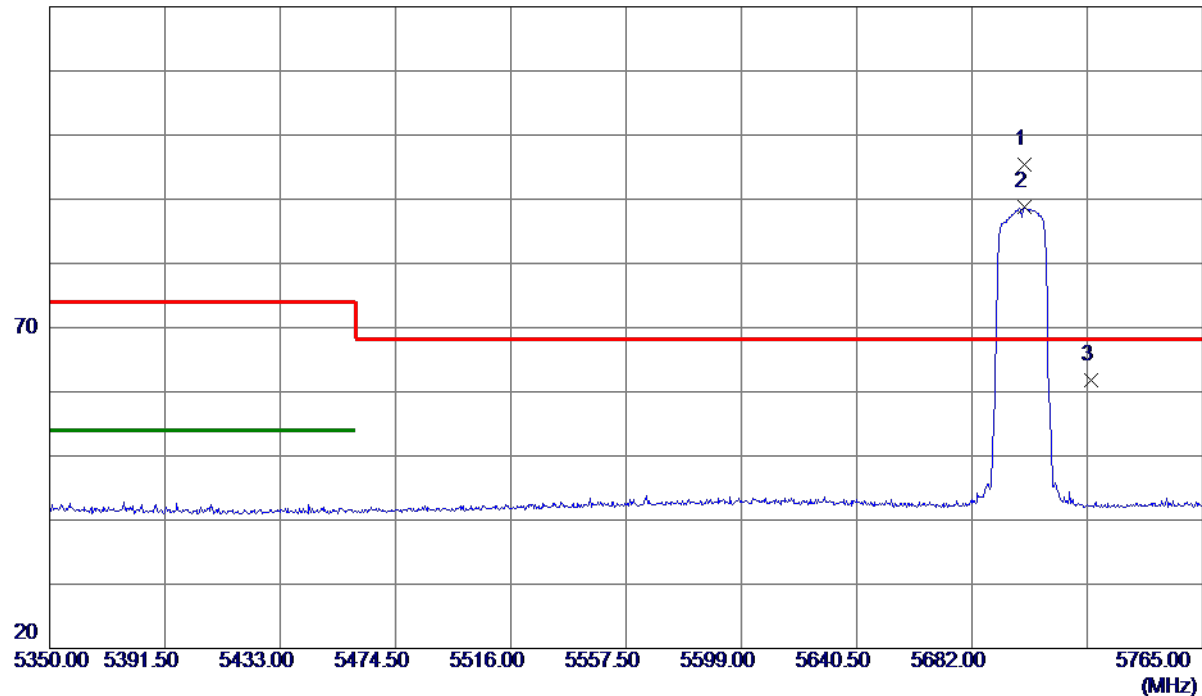
REMARKS:

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

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

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5701.0900	56.94	38.41	95.35	68.20	27.15	Peak	
2	5701.0900	50.46	38.41	88.87	999.00	-910.13	AVG	
3	5725.0000	23.24	38.50	61.74	68.20	-6.46	Peak	

REMARKS:

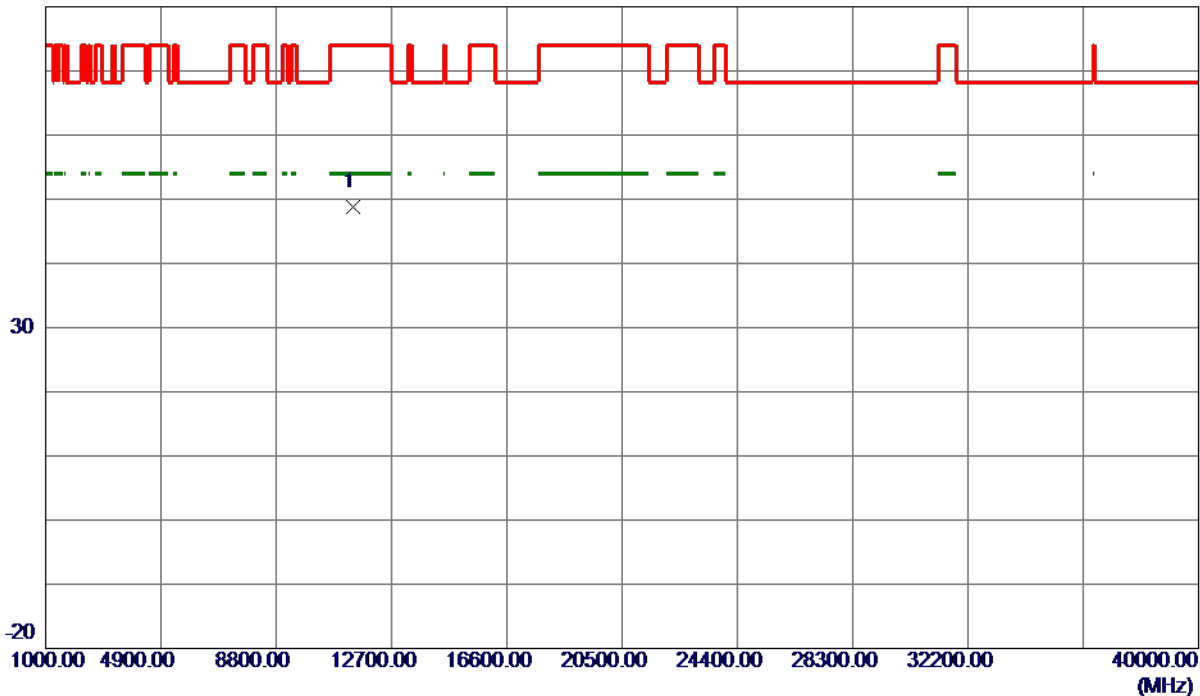
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11400.0000	46.73	2.13	48.86	74.00	-25.14	Peak	

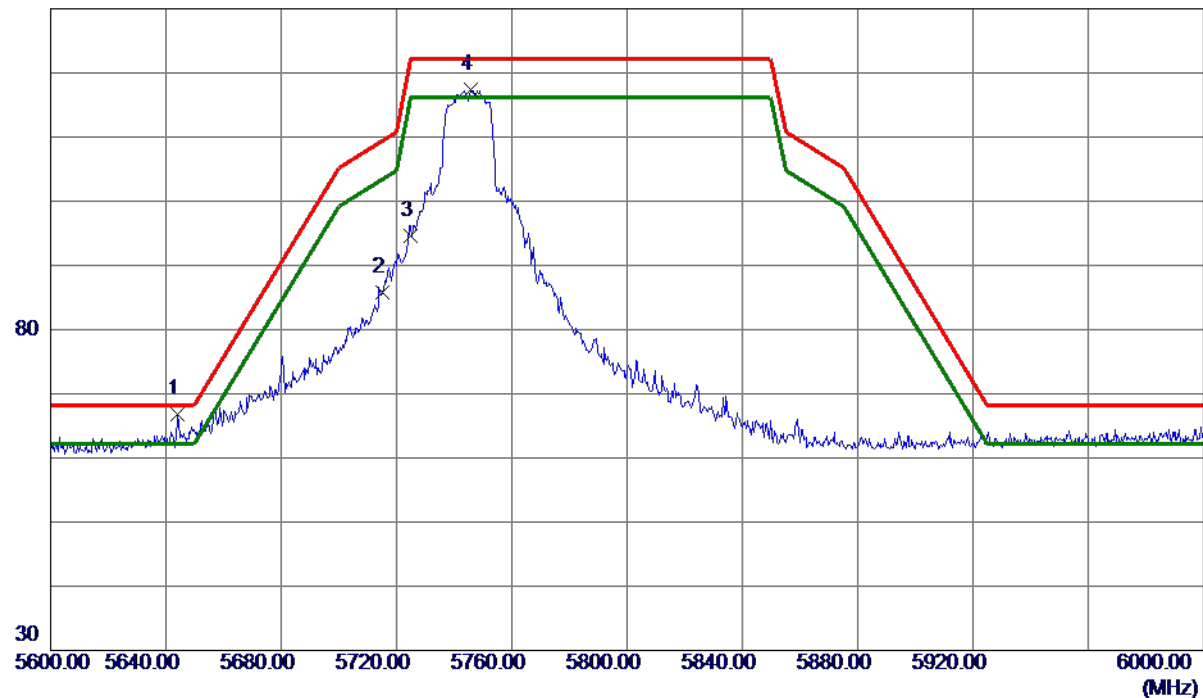
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5644.0000	28.51	38.37	66.88	68.20	-1.32	Peak	
2	5715.0000	47.25	38.46	85.71	109.40	-23.69	Peak	
3	5725.0000	56.06	38.50	94.56	122.20	-27.64	Peak	
4	5745.6000	78.81	38.58	117.39	122.20	-4.81	Peak	

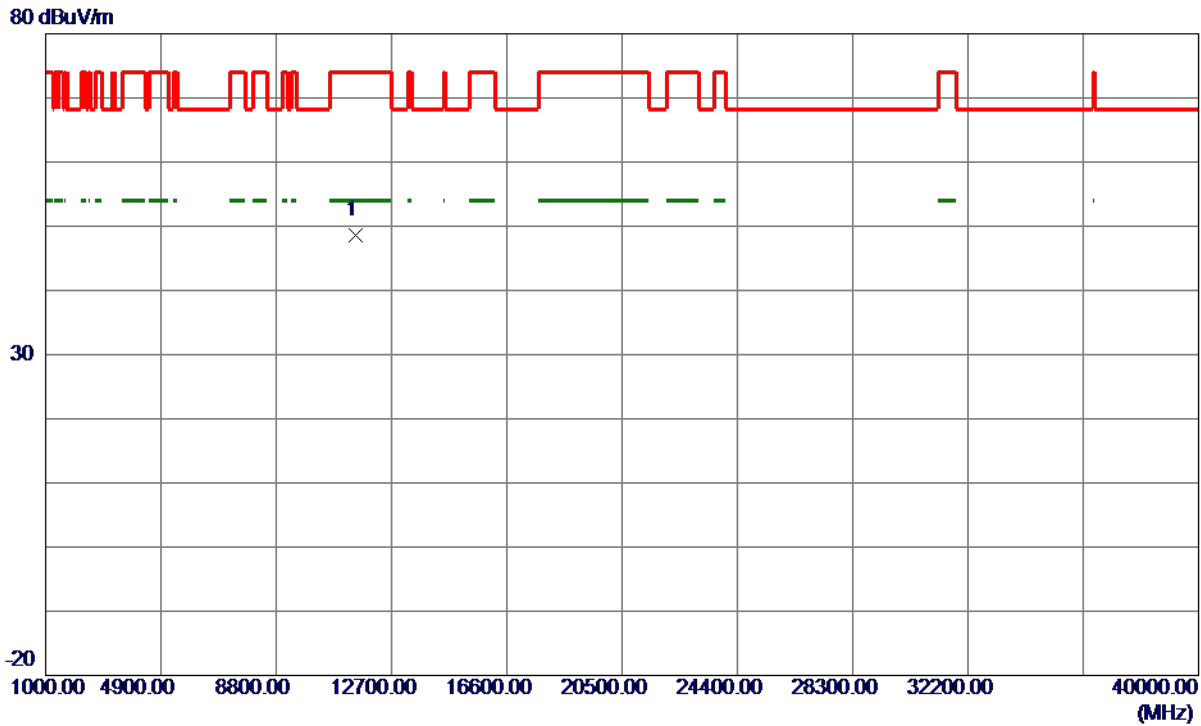
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11490.0000	46.46	2.21	48.67	74.00	-25.33	Peak	

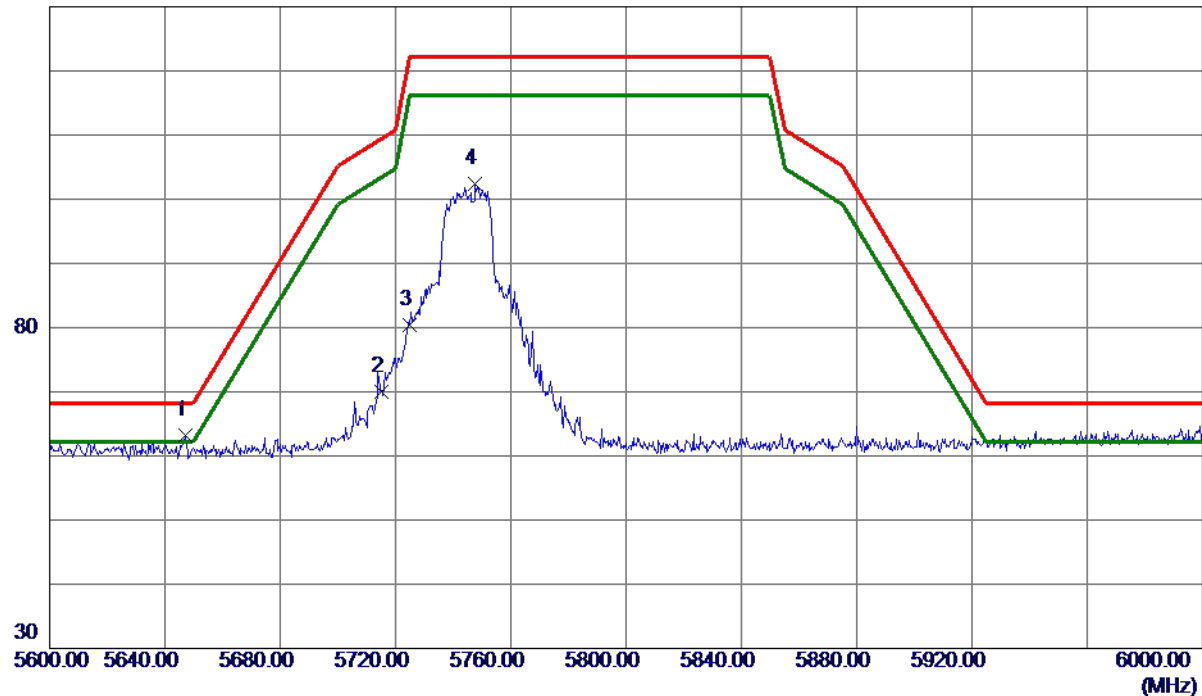
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5647.0000	24.90	38.37	63.27	68.20	-4.93	Peak	
2	5715.0000	31.51	38.46	69.97	109.40	-39.43	Peak	
3	5725.0000	41.85	38.50	80.35	122.20	-41.85	Peak	
4	5747.6000	63.83	38.58	102.41	122.20	-19.79	Peak	

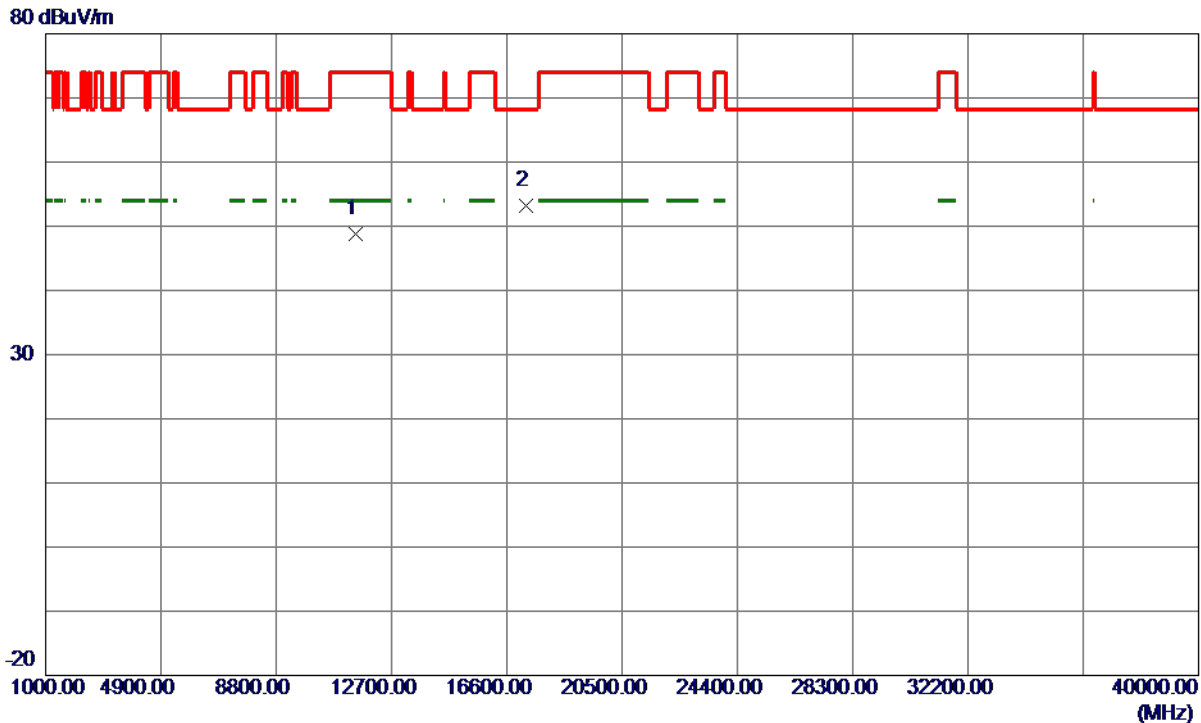
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11490.0000	46.52	2.21	48.73	74.00	-25.27	Peak	
2 *	17235.7000	46.49	6.63	53.12	68.20	-15.08	Peak	

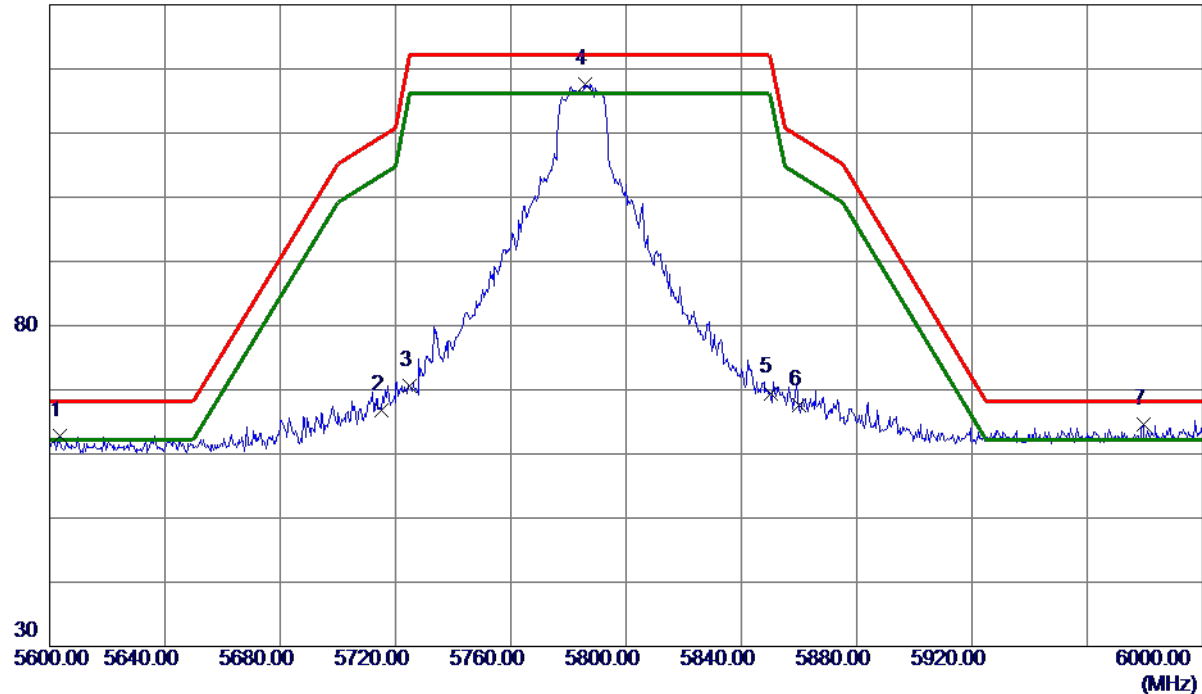
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5603.4000	24.53	38.34	62.87	68.20	-5.33	Peak	
2	5715.0000	28.41	38.46	66.87	109.40	-42.53	Peak	
3	5725.0000	32.09	38.50	70.59	122.20	-51.61	Peak	
4	5785.8000	78.82	38.73	117.55	122.20	-4.65	Peak	
5	5850.0000	30.59	38.91	69.50	122.20	-52.70	Peak	
6	5860.0000	28.73	38.94	67.67	109.40	-41.73	Peak	
7 *	5979.4000	25.33	39.21	64.54	68.20	-3.66	Peak	

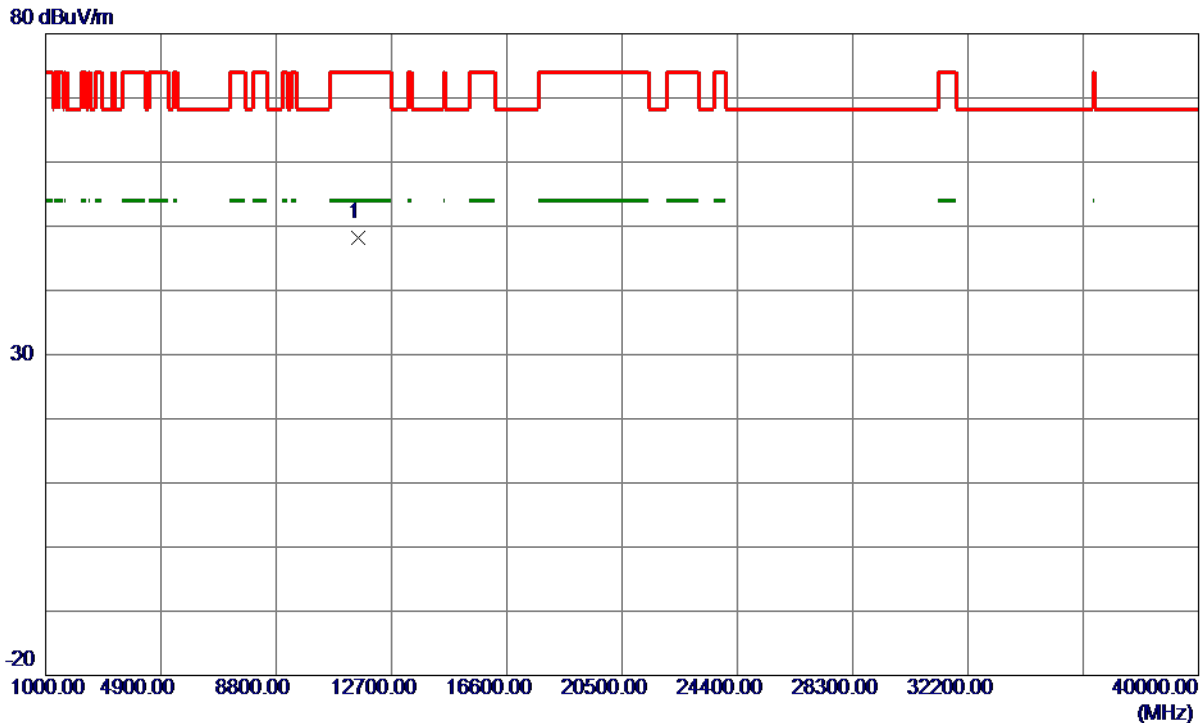
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11570.0000	45.85	2.27	48.12	74.00	-25.88	Peak	

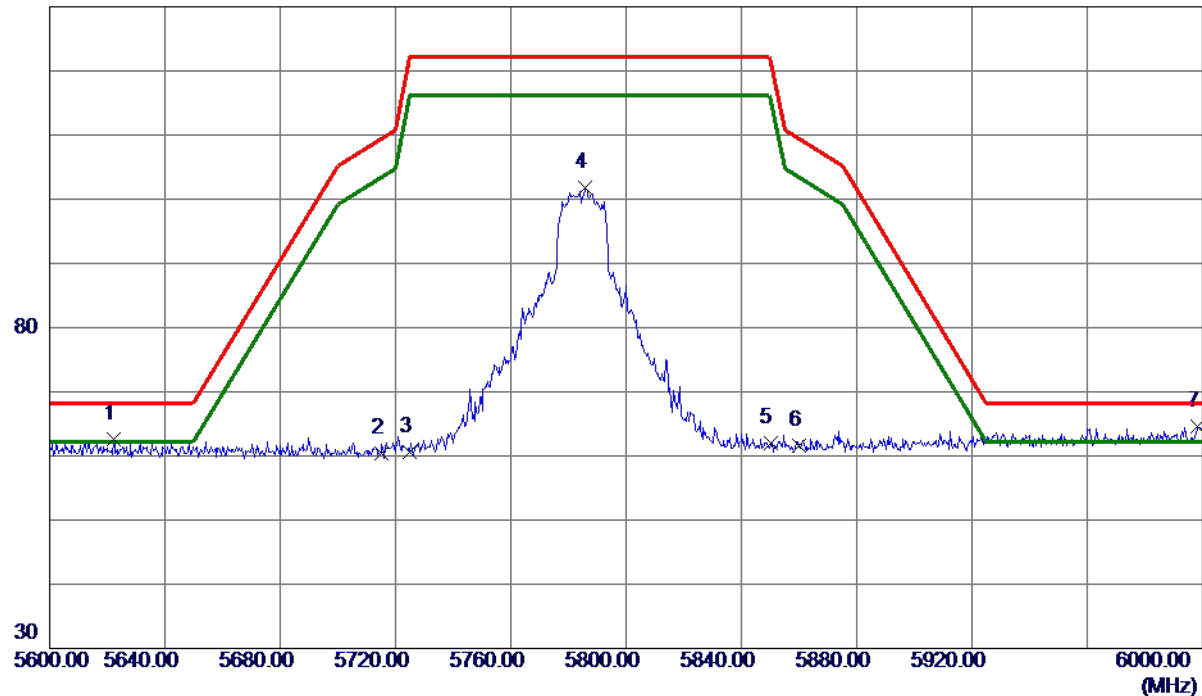
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5622.2000	24.21	38.35	62.56	68.20	-5.64	Peak	
2	5715.0000	21.90	38.46	60.36	109.40	-49.04	Peak	
3	5725.0000	22.05	38.50	60.55	122.20	-61.65	Peak	
4	5785.6000	63.16	38.73	101.89	122.20	-20.31	Peak	
5	5850.0000	23.02	38.91	61.93	122.20	-60.27	Peak	
6	5860.0000	22.62	38.94	61.56	109.40	-47.84	Peak	
7 *	5998.4000	25.28	39.25	64.53	68.20	-3.67	Peak	

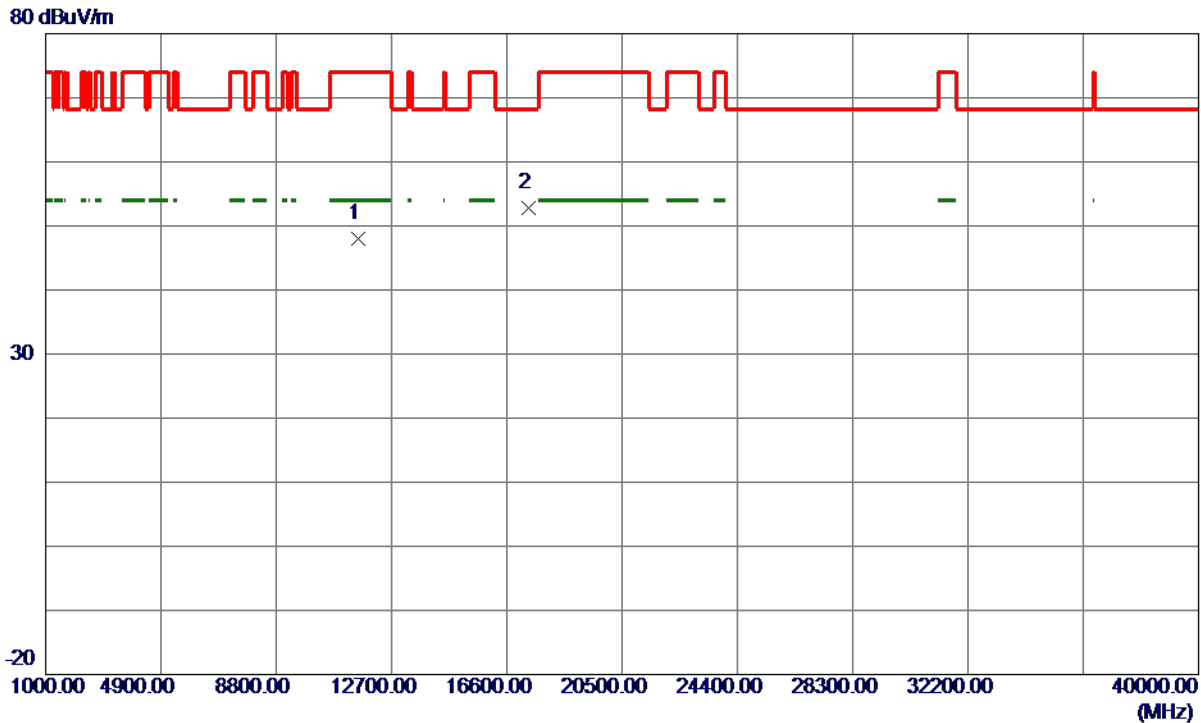
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11570.0000	45.80	2.27	48.07	74.00	-25.93	Peak	
2 *	17354.6500	45.39	7.38	52.77	68.20	-15.43	Peak	

REMARKS:

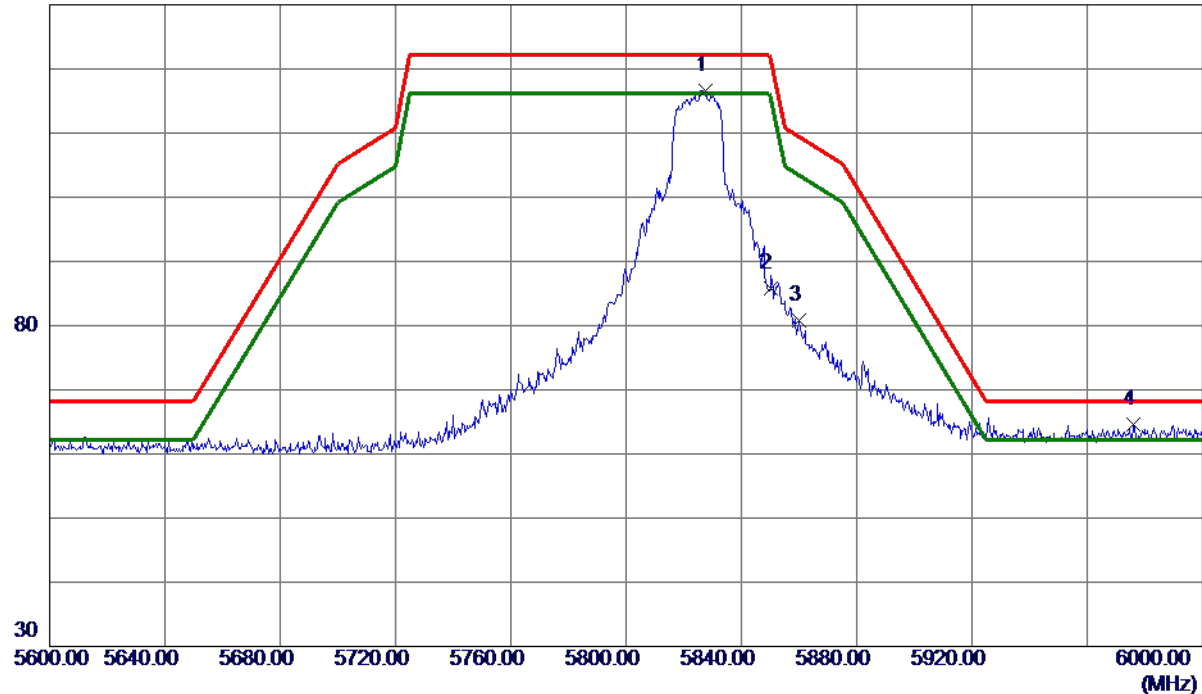
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5827.6000	77.82	38.85	116.67	122.20	-5.53	Peak	
2	5850.0000	46.81	38.91	85.72	122.20	-36.48	Peak	
3	5860.0000	41.87	38.94	80.81	109.40	-28.59	Peak	
4 *	5976.2000	25.33	39.20	64.53	68.20	-3.67	Peak	

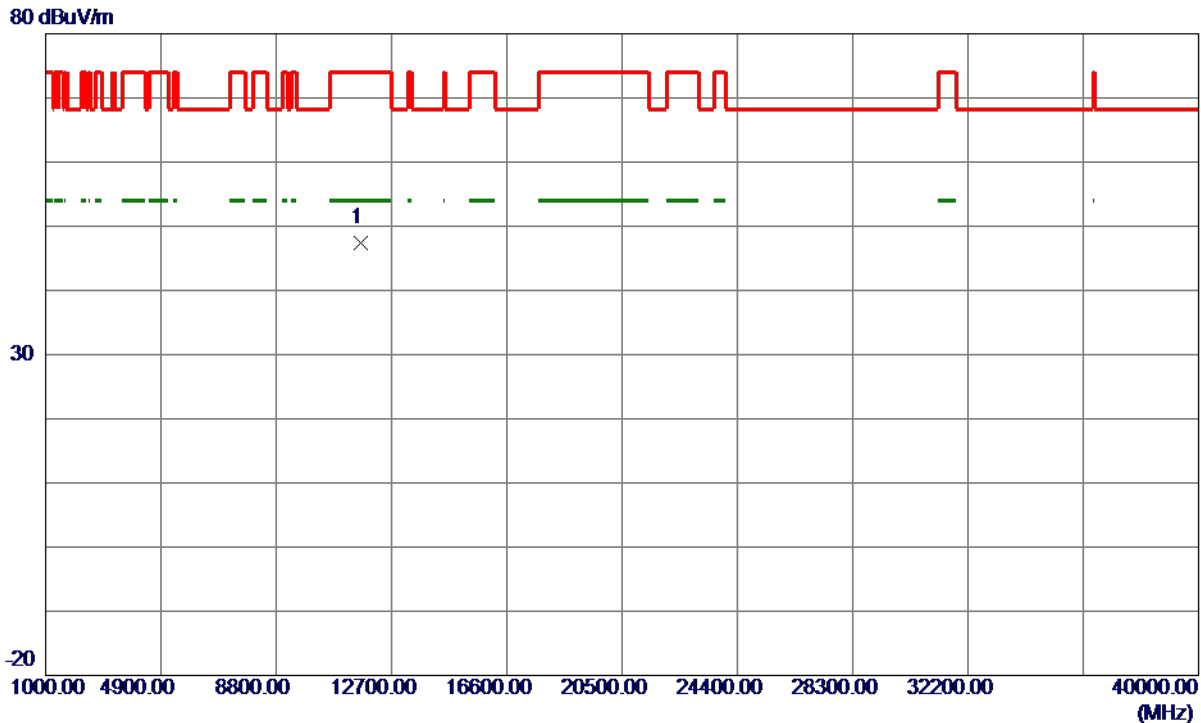
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11650.0000	45.25	2.10	47.35	74.00	-26.65	Peak	

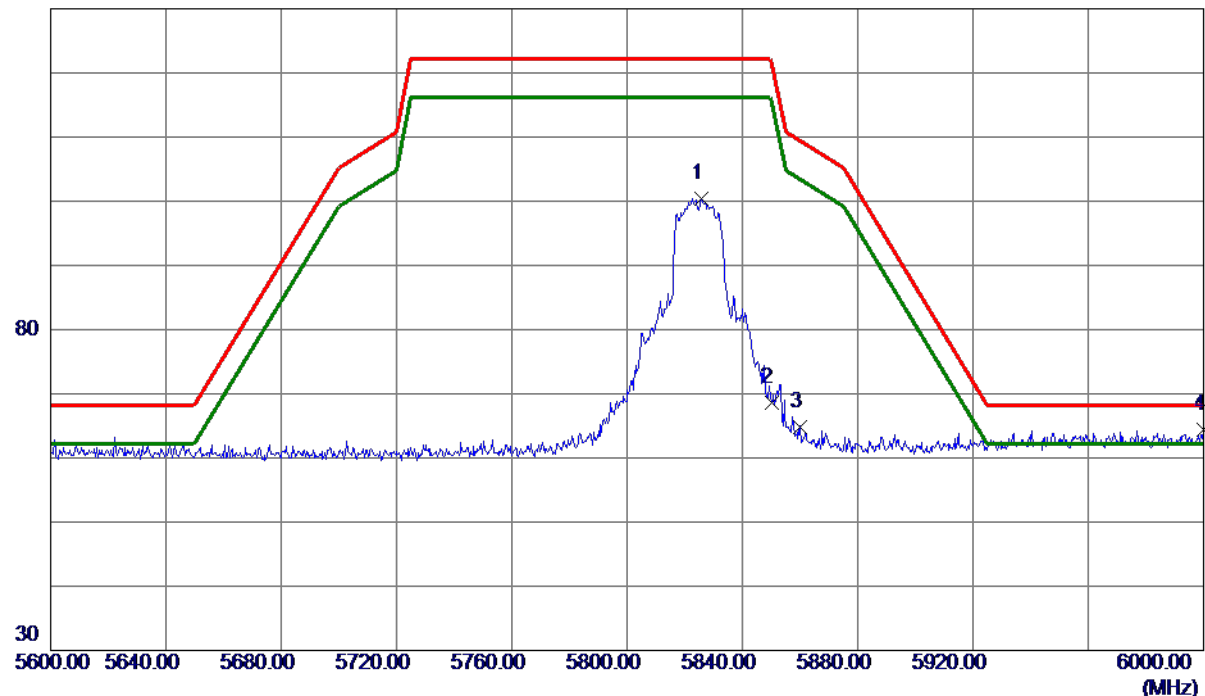
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5825.8000	61.50	38.85	100.35	122.20	-21.85	Peak	
2	5850.0000	29.71	38.91	68.62	122.20	-53.58	Peak	
3	5860.0000	25.95	38.94	64.89	109.40	-44.51	Peak	
4 *	5999.8000	25.22	39.25	64.47	68.20	-3.73	Peak	

REMARKS:

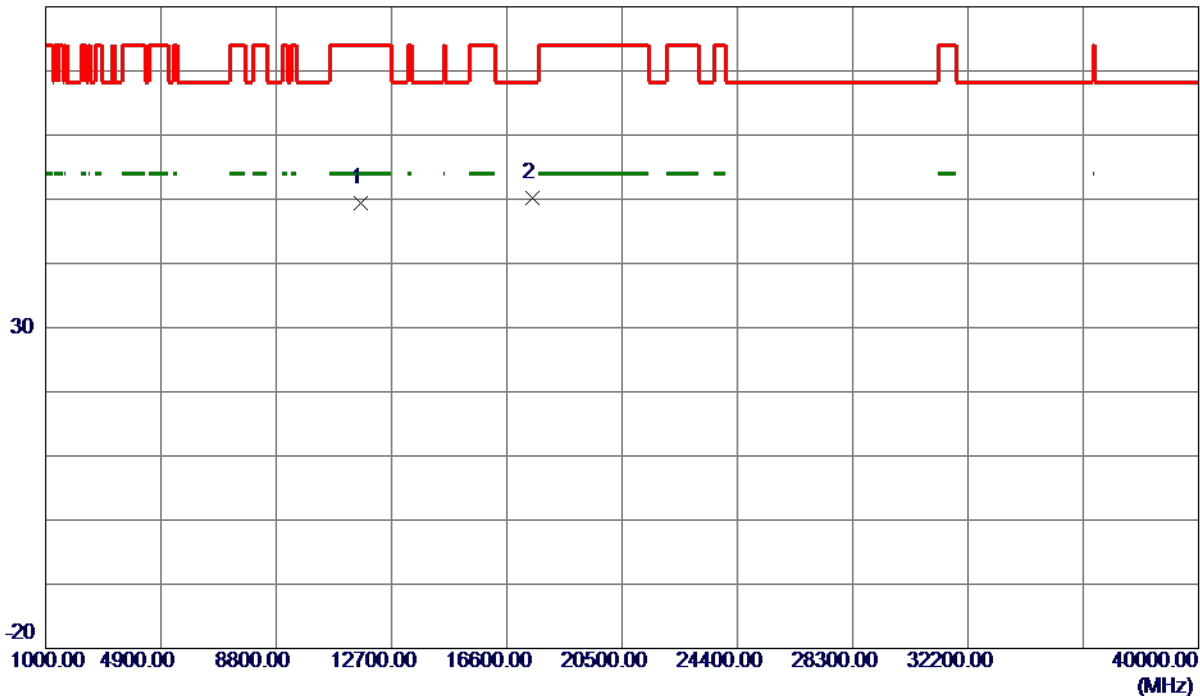
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11650.0000	47.39	2.10	49.49	74.00	-24.51	Peak	
2 *	17475.0000	42.21	8.03	50.24	68.20	-17.96	Peak	

REMARKS:

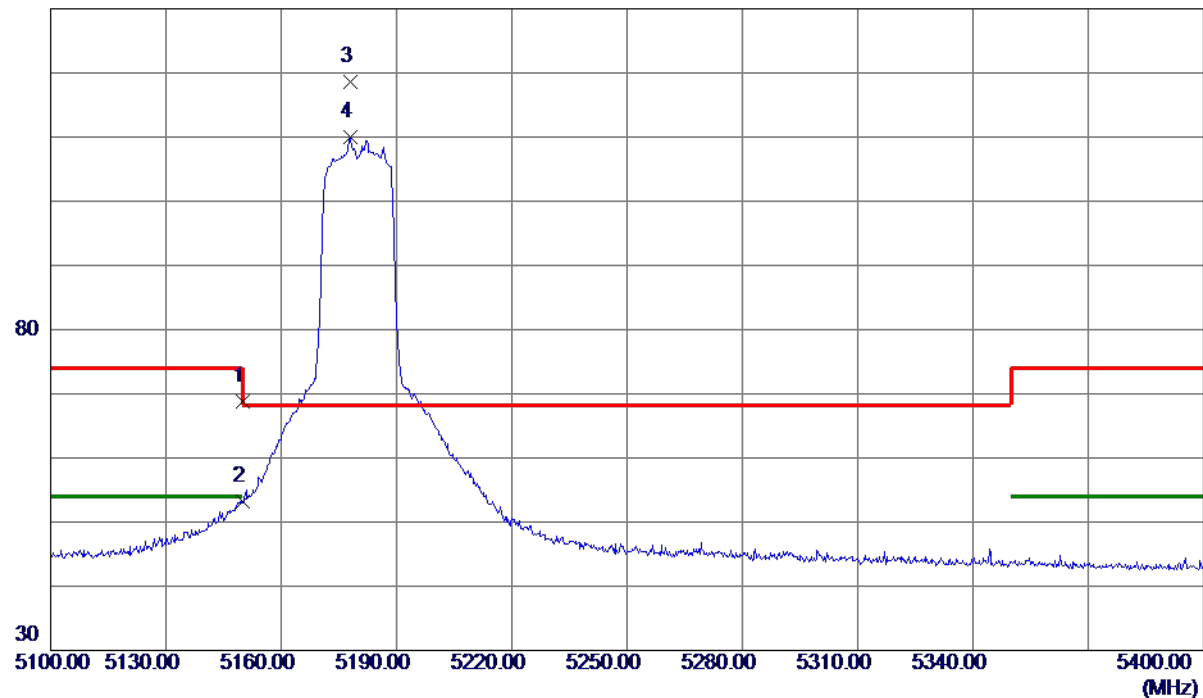
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	30.88	37.88	68.76	74.00	-5.24	Peak	
2	5150.0000	15.30	37.88	53.18	54.00	-0.82	AVG	
3 *	5177.8500	80.81	37.77	118.58	68.20	50.38	Peak	
4	5177.8500	72.27	37.77	110.04	999.00	-888.96	AVG	

REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10352.2000	47.80	1.63	49.43	68.20	-18.77	Peak	

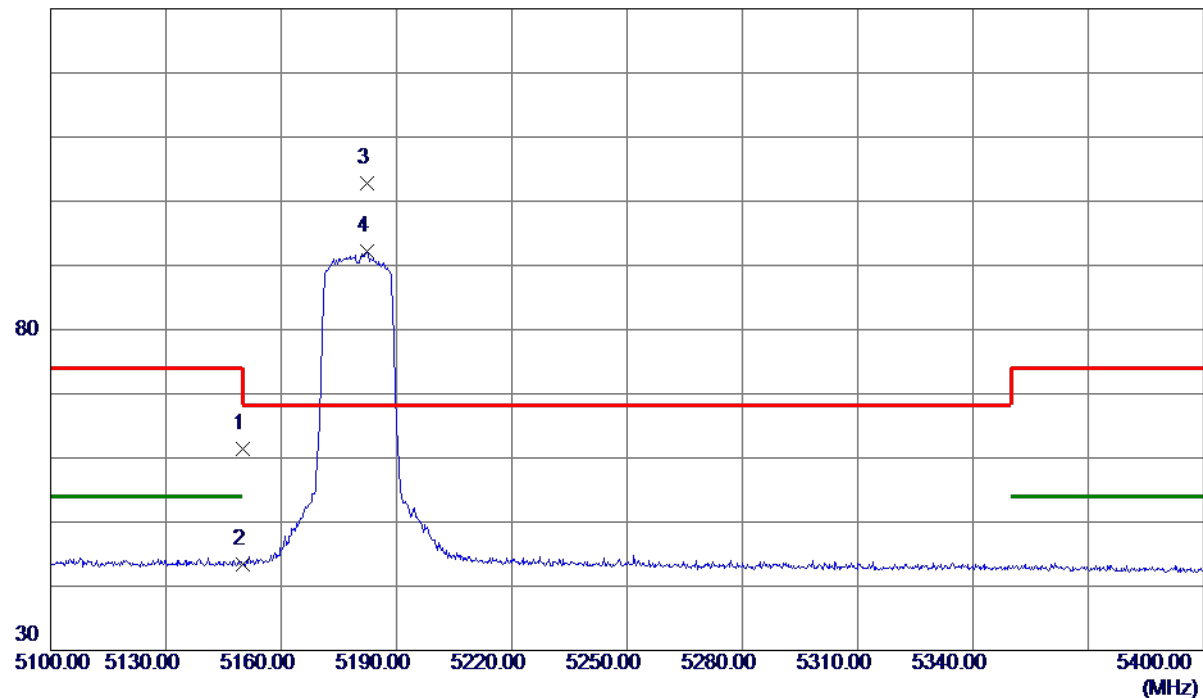
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	23.44	37.88	61.32	74.00	-12.68	Peak	
2	5150.0000	5.60	37.88	43.48	54.00	-10.52	AVG	
3 *	5182.2000	65.13	37.75	102.88	68.20	34.68	Peak	
4	5182.2000	54.36	37.75	92.11	999.00	-906.89	AVG	

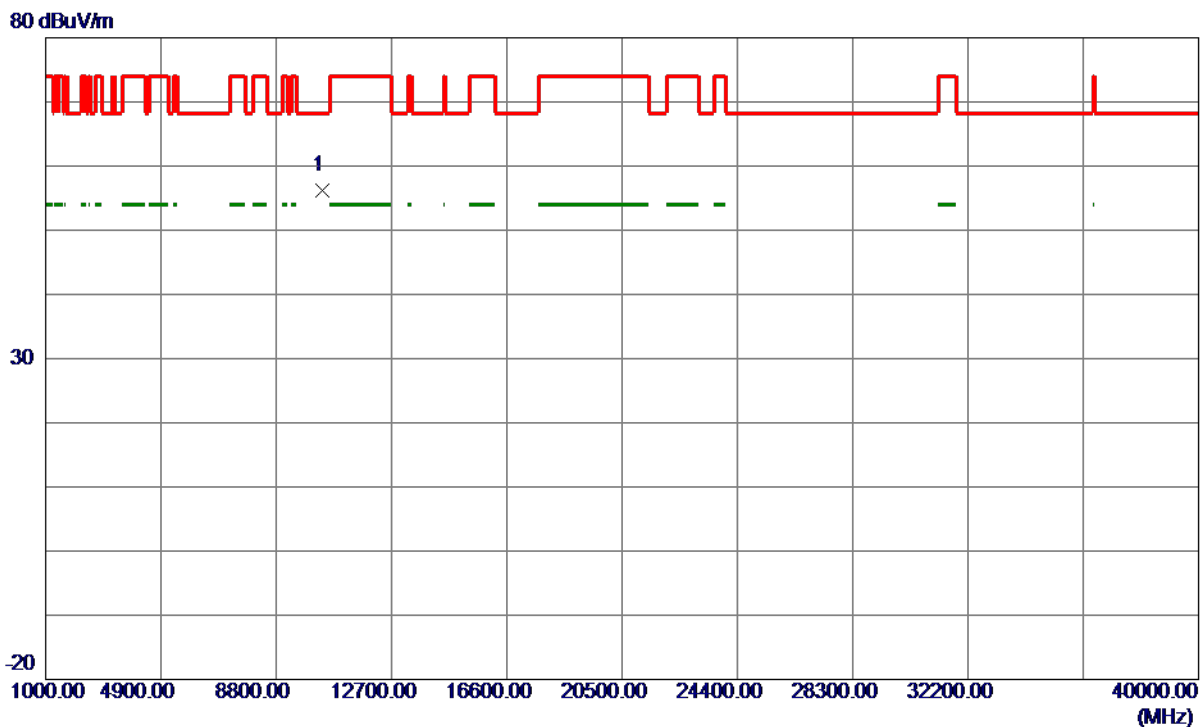
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10356.1000	54.56	1.64	56.20	68.20	-12.00	Peak	

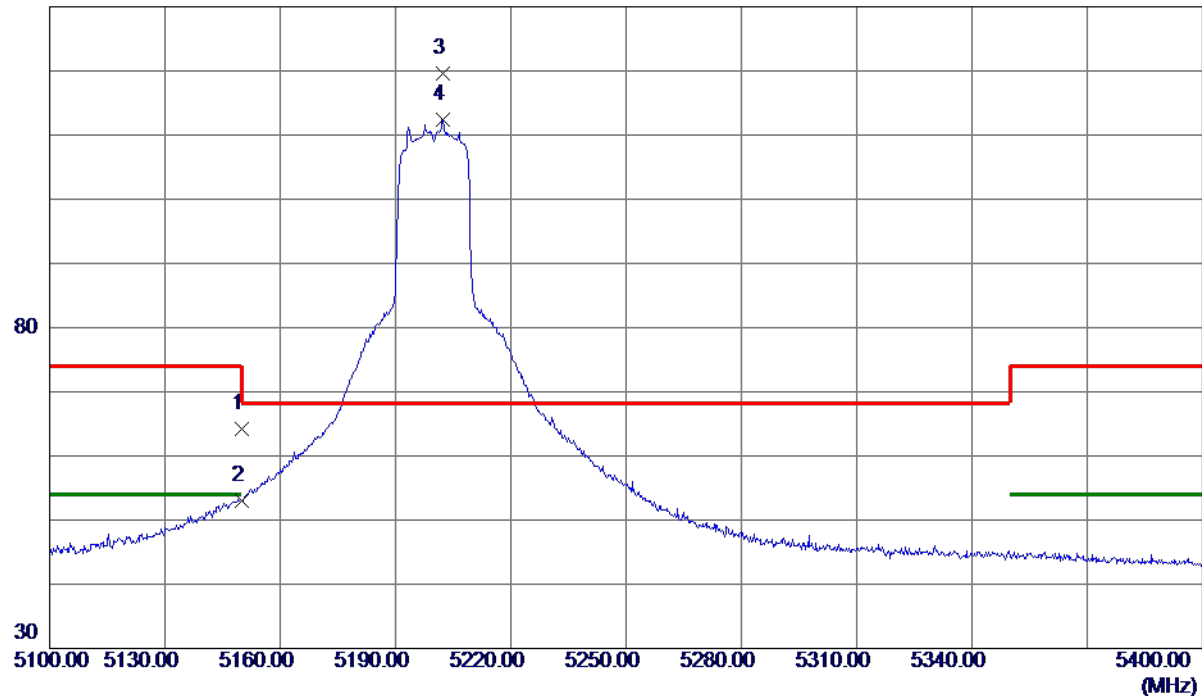
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	26.40	37.88	64.28	74.00	-9.72	Peak	
2	5150.0000	15.17	37.88	53.05	54.00	-0.95	AVG	
3 *	5202.3000	81.98	37.68	119.66	68.20	51.46	Peak	
4	5202.3000	74.73	37.68	112.41	999.00	-886.59	AVG	

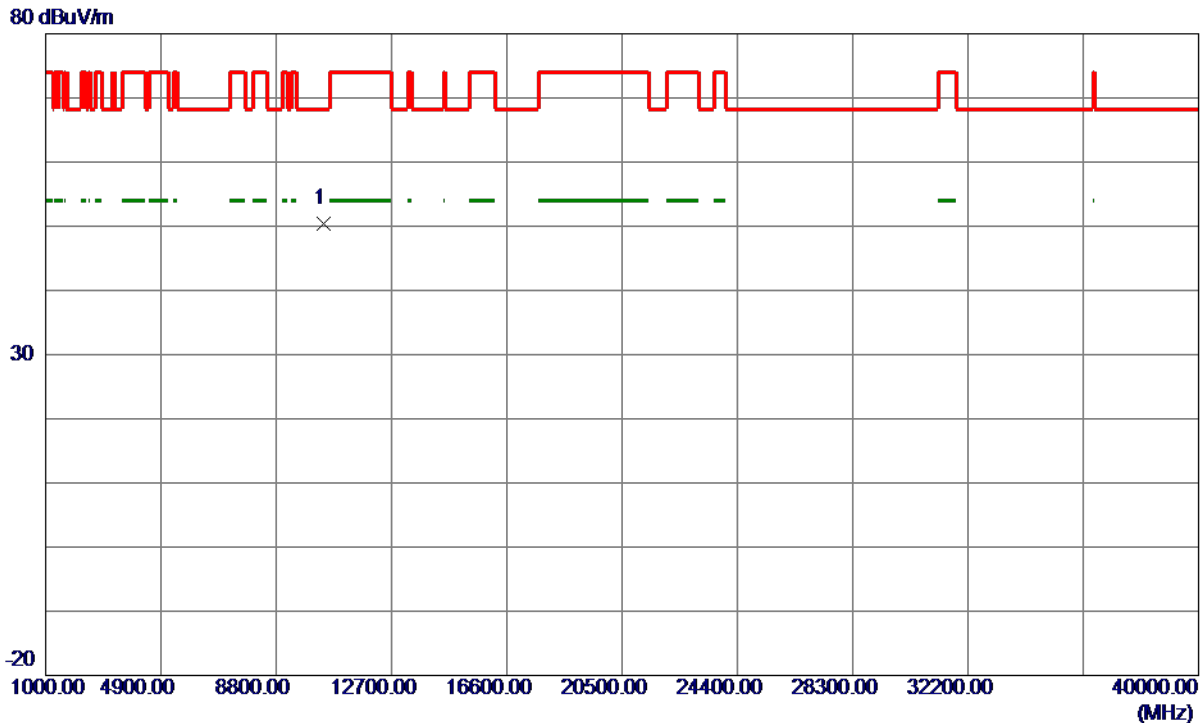
REMARKS:

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

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

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10397.0500	48.62	1.71	50.33	68.20	-17.87	Peak	

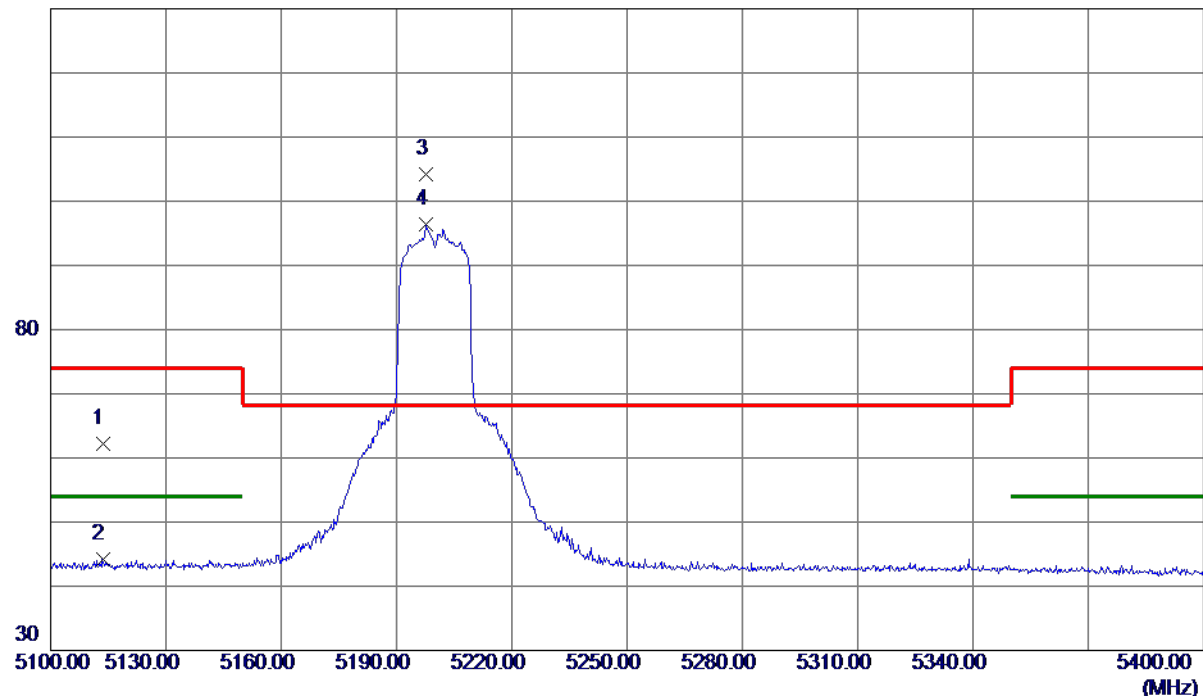
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5113.5000	24.14	38.02	62.16	74.00	-11.84	Peak	
2	5113.5000	6.15	38.02	44.17	54.00	-9.83	AVG	
3 *	5197.6500	66.45	37.69	104.14	68.20	35.94	Peak	
4	5197.6500	58.66	37.69	96.35	999.00	-902.65	AVG	

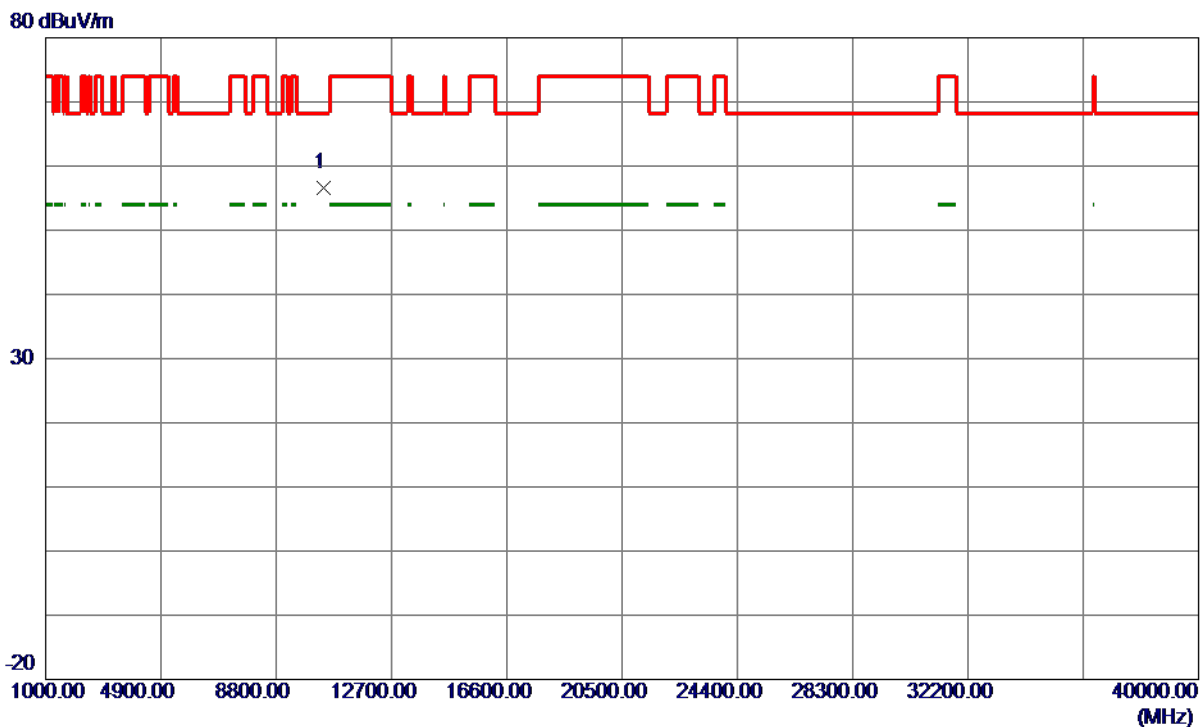
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10395.1000	54.98	1.71	56.69	68.20	-11.51	Peak	

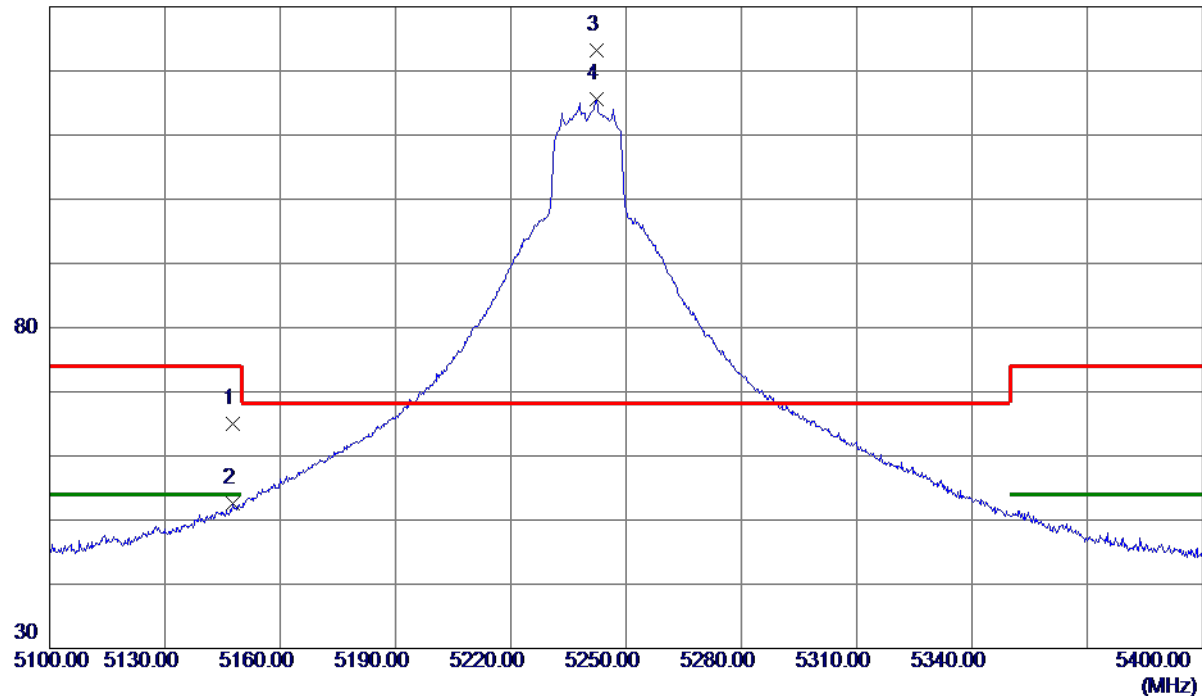
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5147.5500	27.10	37.88	64.98	74.00	-9.02	Peak	
2	5147.5500	14.76	37.88	52.64	54.00	-1.36	AVG	
3 *	5242.2000	85.61	37.62	123.23	68.20	55.03	Peak	
4	5242.2000	77.97	37.62	115.59	999.00	-883.41	AVG	

REMARKS:

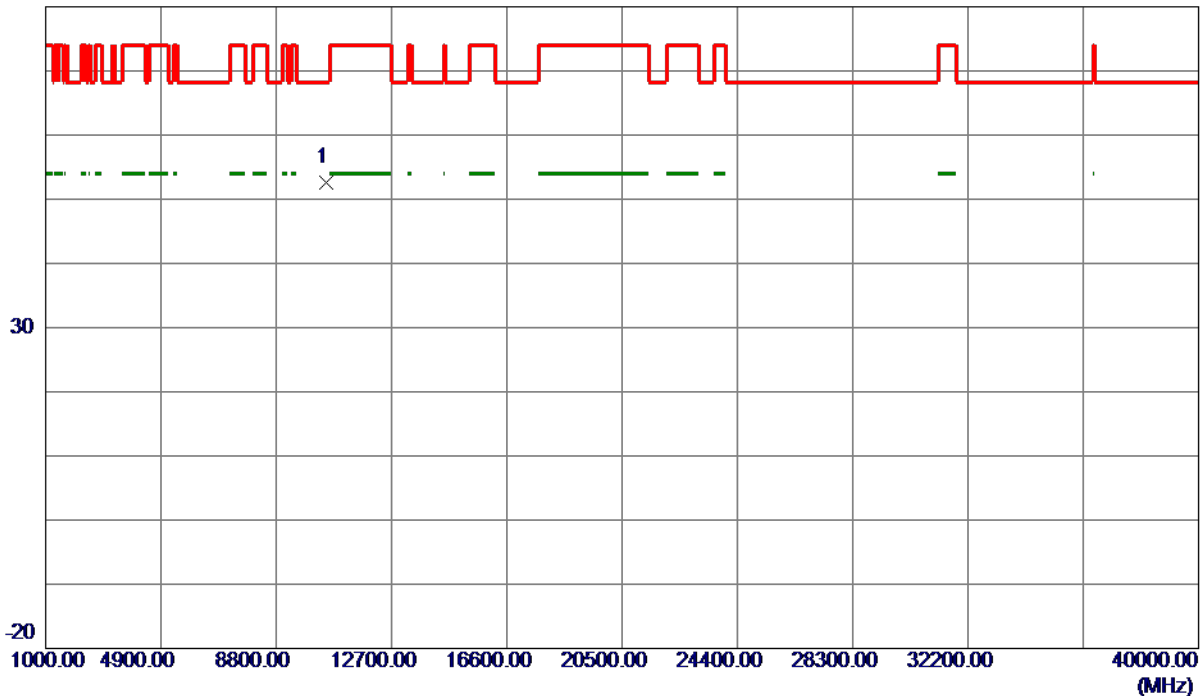
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10478.9500	50.78	1.80	52.58	68.20	-15.62	Peak	

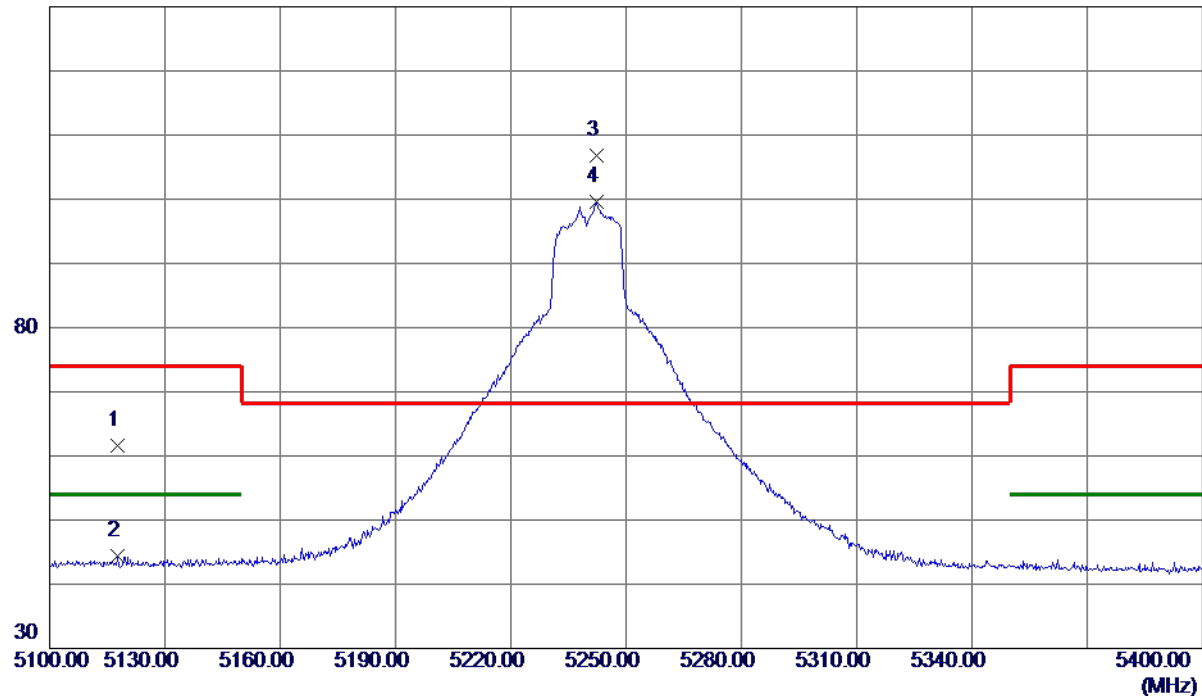
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5117.7000	23.66	38.00	61.66	74.00	-12.34	Peak	
2	5117.7000	6.40	38.00	44.40	54.00	-9.60	AVG	
3 *	5242.3500	69.24	37.62	106.86	68.20	38.66	Peak	
4	5242.3500	62.06	37.62	99.68	999.00	-899.32	AVG	

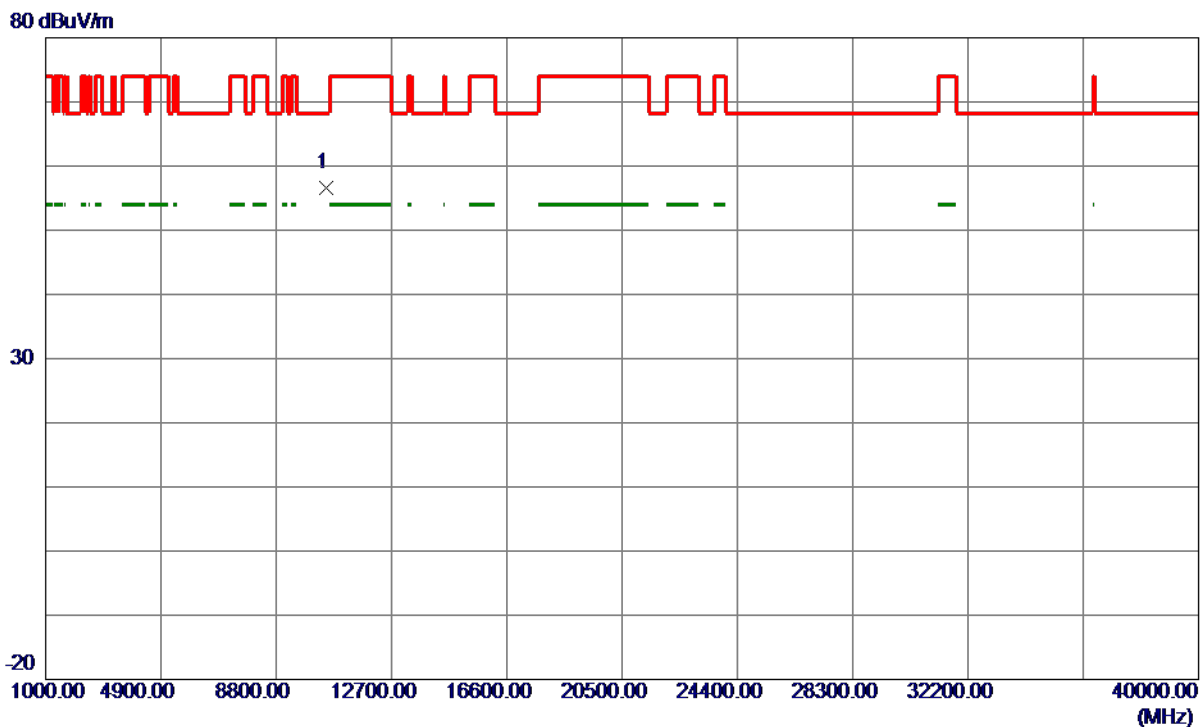
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10482.8500	54.80	1.80	56.60	68.20	-11.60	Peak	

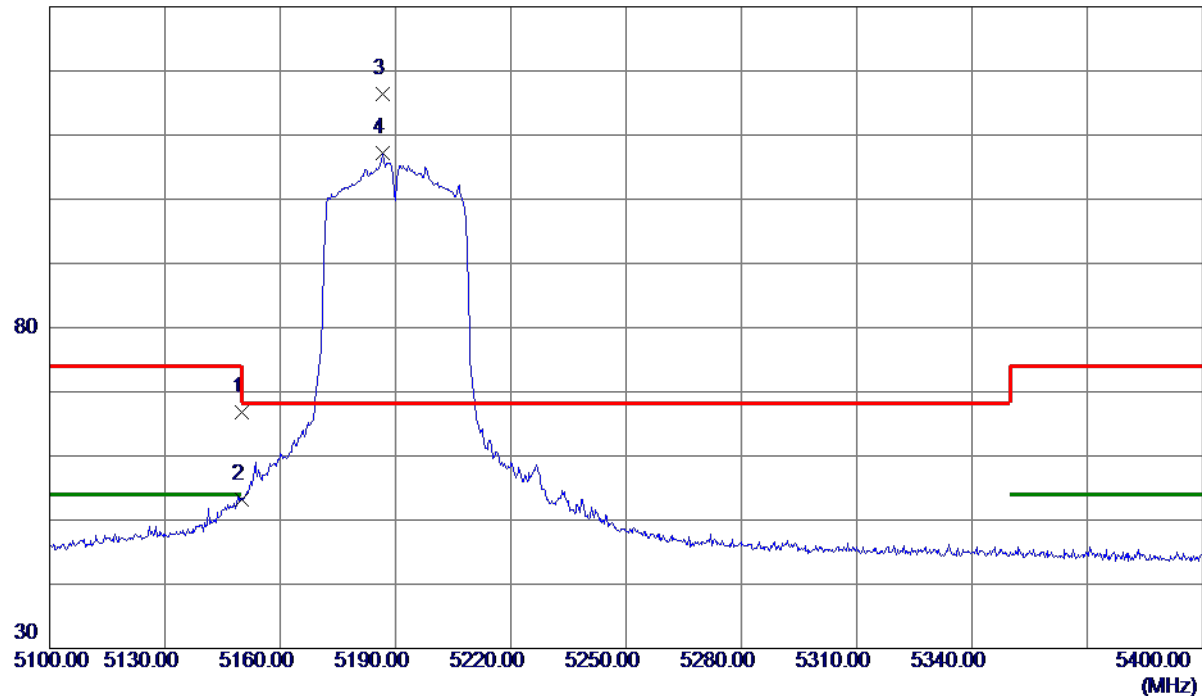
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	28.83	37.88	66.71	74.00	-7.29	Peak	
2	5150.0000	15.29	37.88	53.17	54.00	-0.83	AVG	
3 *	5186.5500	78.58	37.73	116.31	68.20	48.11	Peak	
4	5186.5500	69.44	37.73	107.17	999.00	-891.83	AVG	

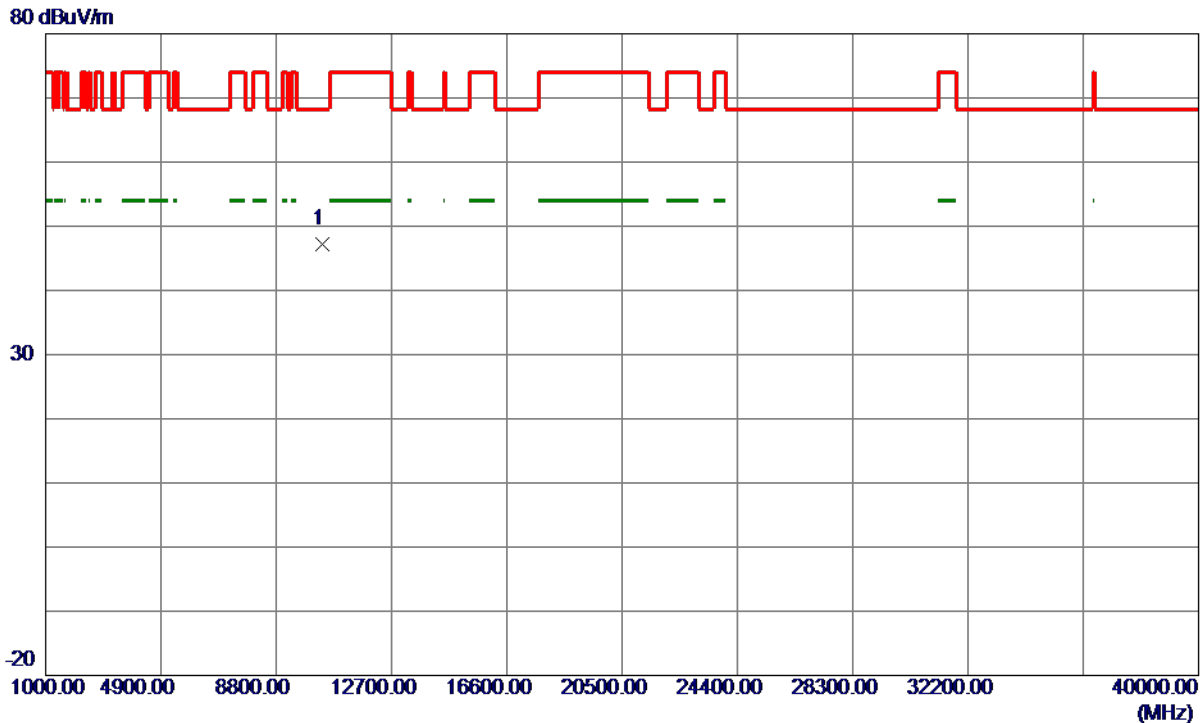
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10380.0000	45.61	1.68	47.29	68.20	-20.91	Peak	

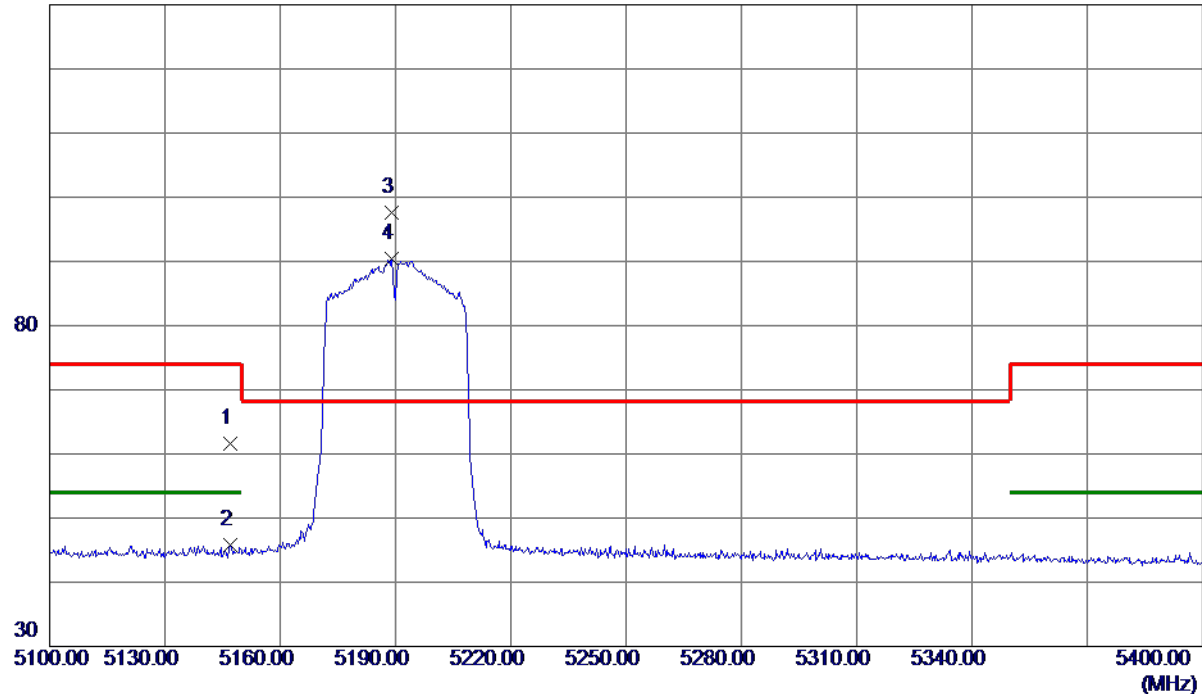
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5147.1000	23.71	37.89	61.60	74.00	-12.40	Peak	
2	5147.1000	7.98	37.89	45.87	54.00	-8.13	AVG	
3 *	5189.1000	59.95	37.72	97.67	68.20	29.47	Peak	
4	5189.1000	52.60	37.72	90.32	999.00	-908.68	AVG	

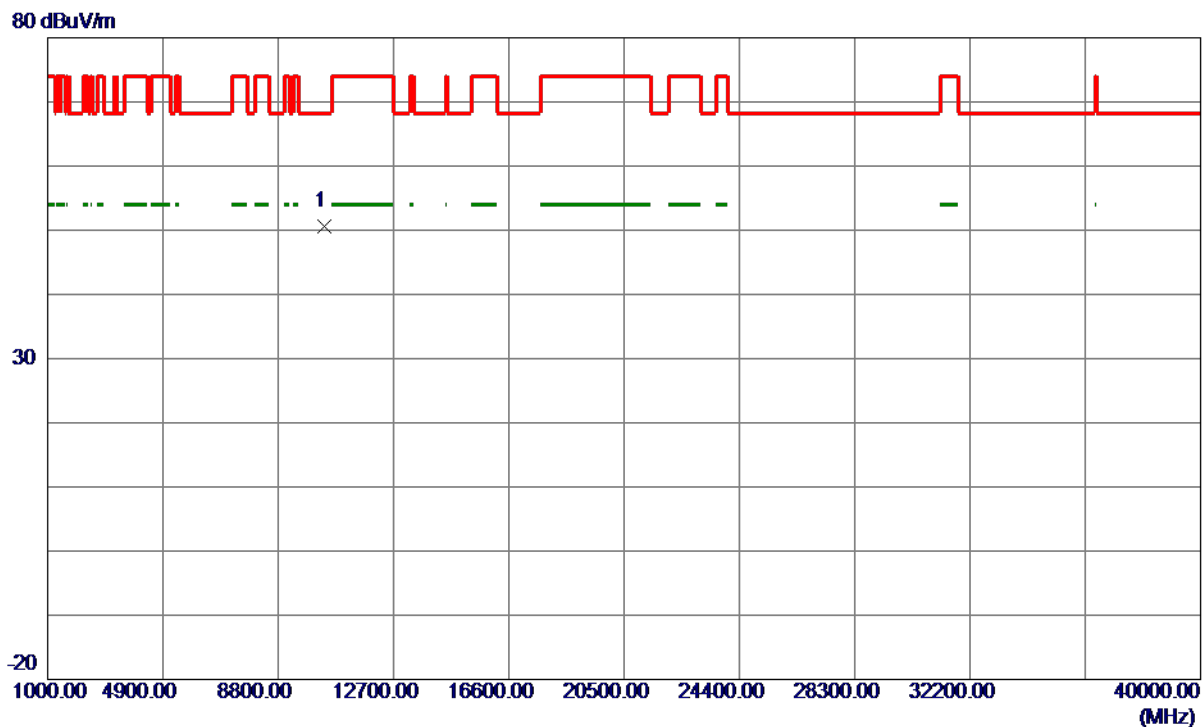
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10381.4500	48.90	1.69	50.59	68.20	-17.61	Peak	

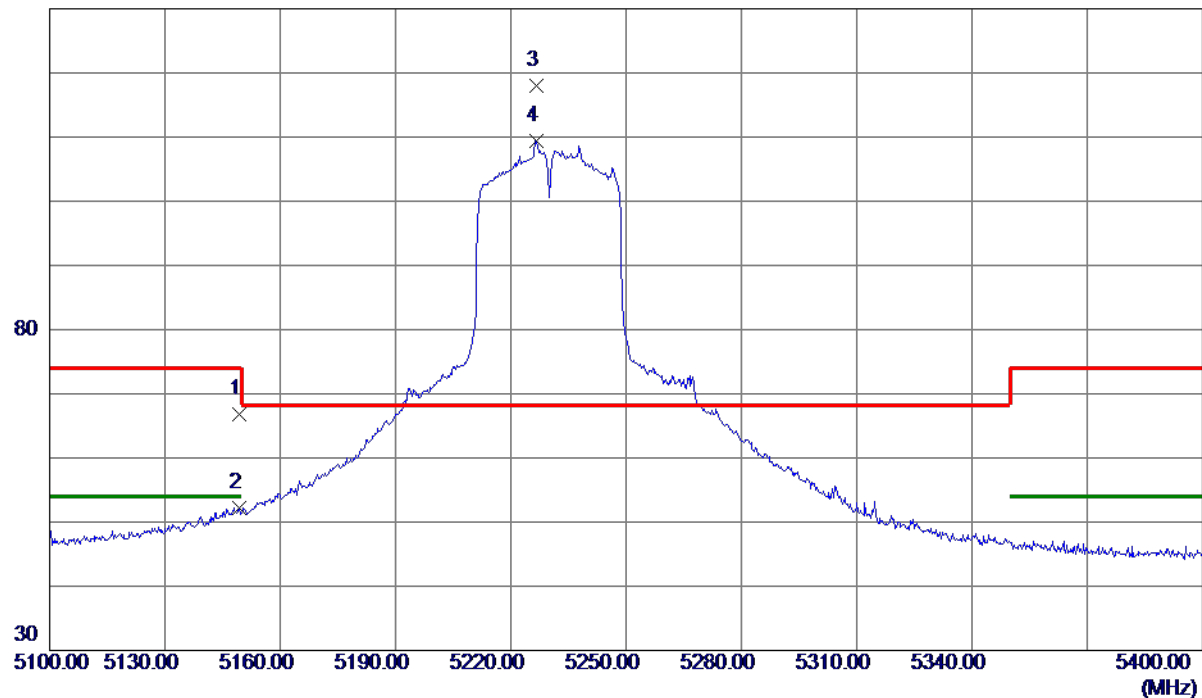
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5149.3500	28.90	37.88	66.78	74.00	-7.22	Peak	
2	5149.3500	14.37	37.88	52.25	54.00	-1.75	AVG	
3 *	5226.6000	80.30	37.64	117.94	68.20	49.74	Peak	
4	5226.6000	71.79	37.64	109.43	999.00	-889.57	AVG	

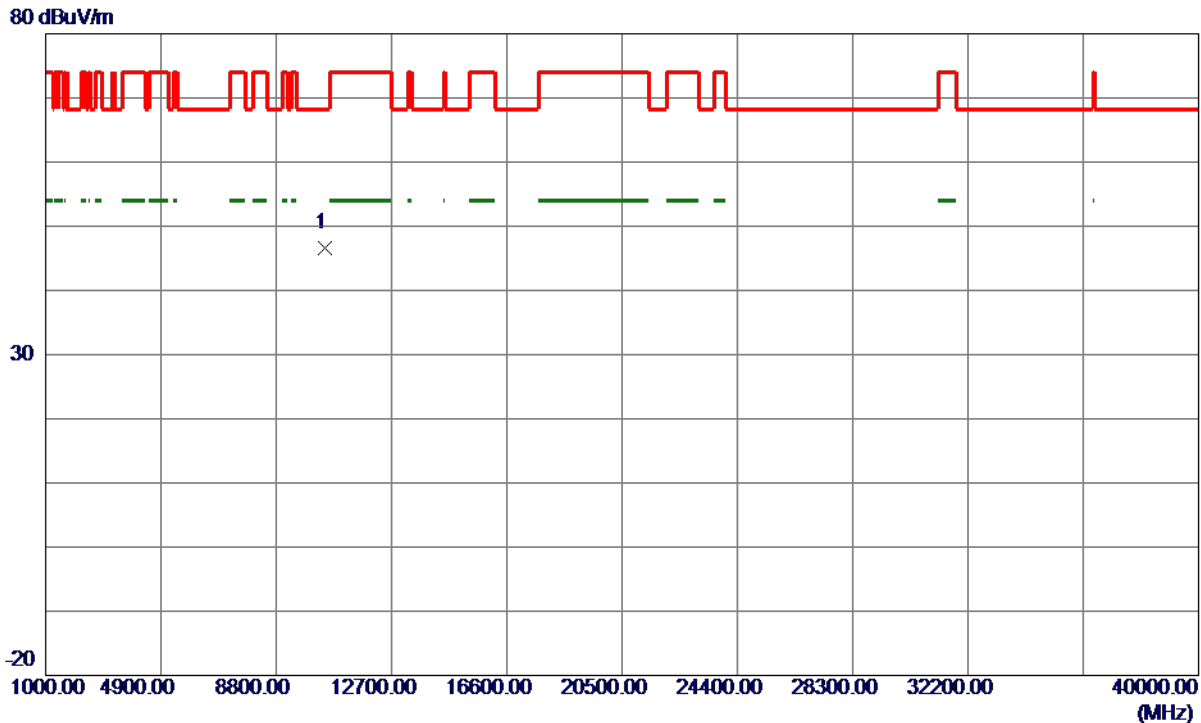
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10460.0000	44.84	1.78	46.62	68.20	-21.58	Peak	

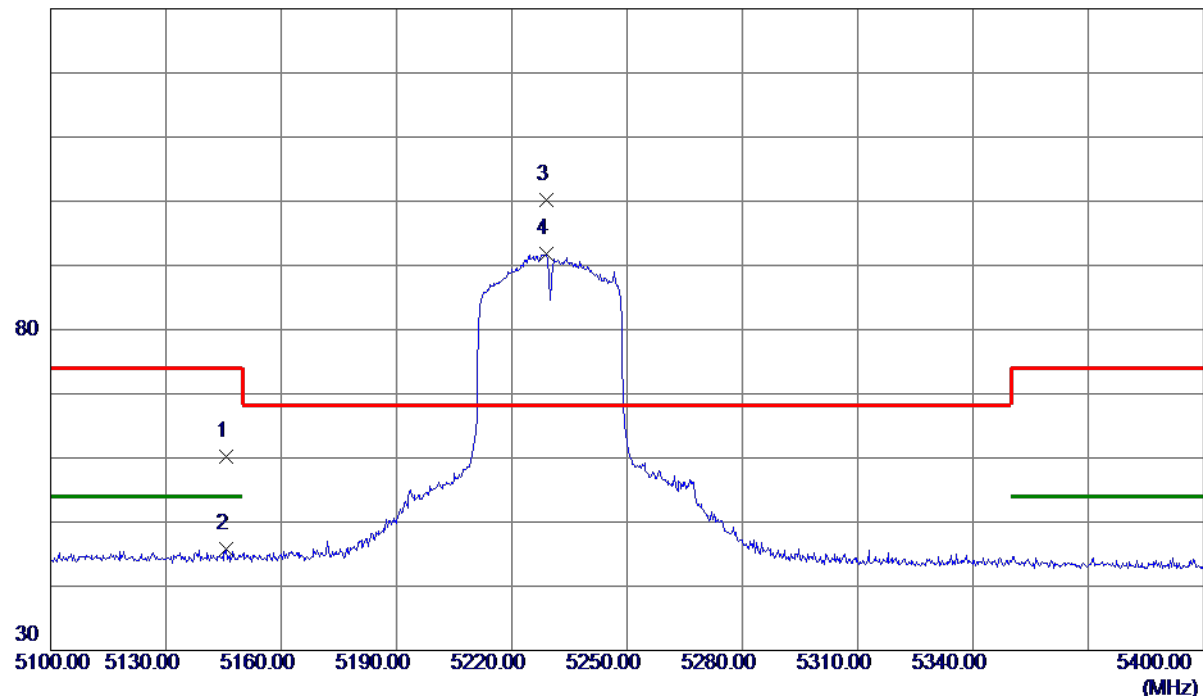
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5145.6000	22.37	37.89	60.26	74.00	-13.74	Peak	
2	5145.6000	7.97	37.89	45.86	54.00	-8.14	AVG	
3 *	5228.8500	62.61	37.64	100.25	68.20	32.05	Peak	
4	5228.8500	54.24	37.64	91.88	999.00	-907.12	AVG	

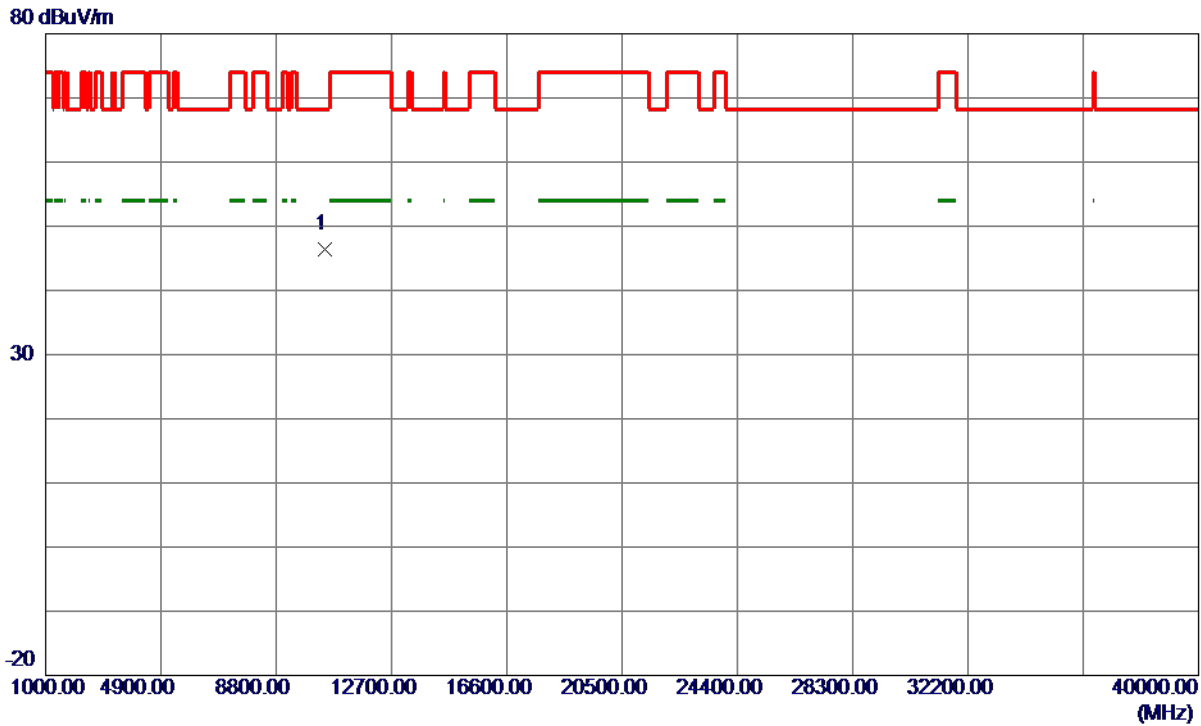
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10460.0000	44.63	1.78	46.41	68.20	-21.79	Peak	

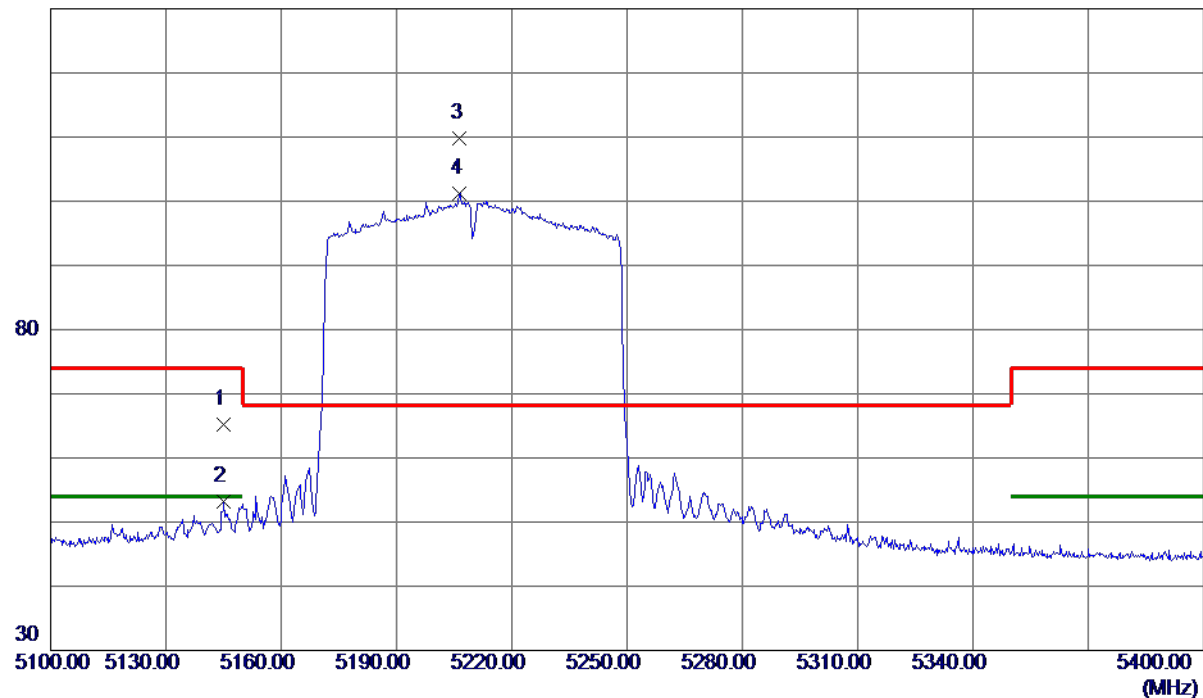
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5145.1500	27.40	37.89	65.29	74.00	-8.71	Peak	
2	5145.1500	15.39	37.89	53.28	54.00	-0.72	AVG	
3 *	5206.5000	72.11	37.67	109.78	68.20	41.58	Peak	
4	5206.5000	63.60	37.67	101.27	999.00	-897.73	AVG	

REMARKS:

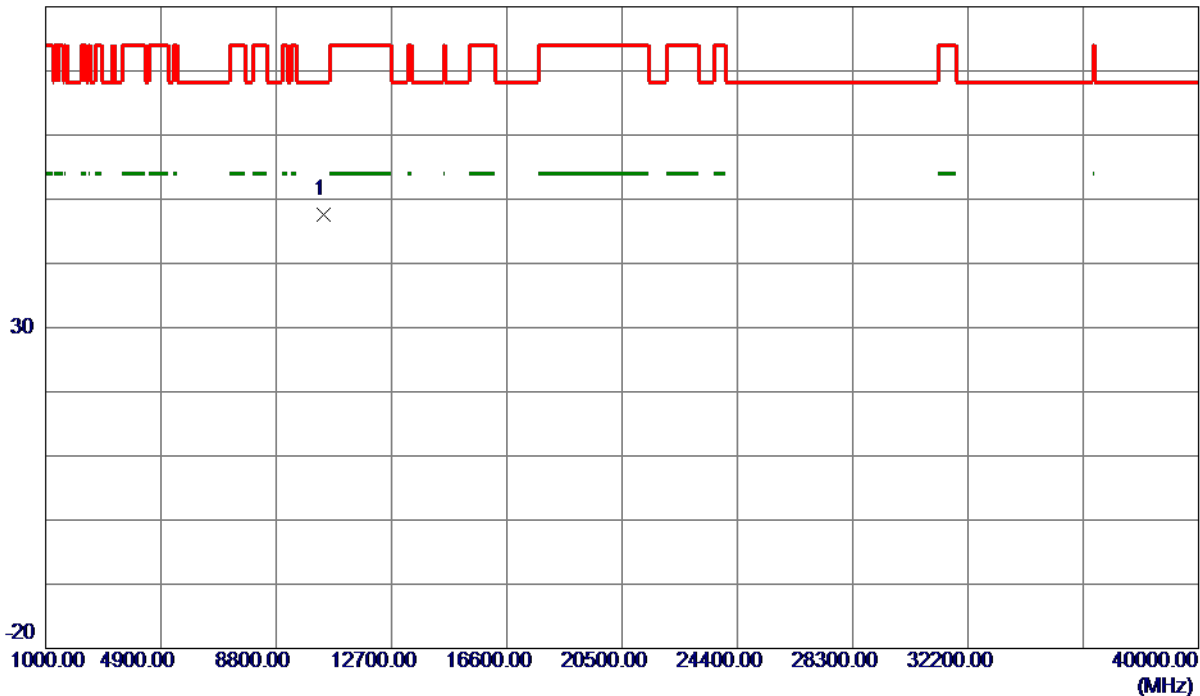
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10420.0000	45.85	1.74	47.59	68.20	-20.61	Peak	

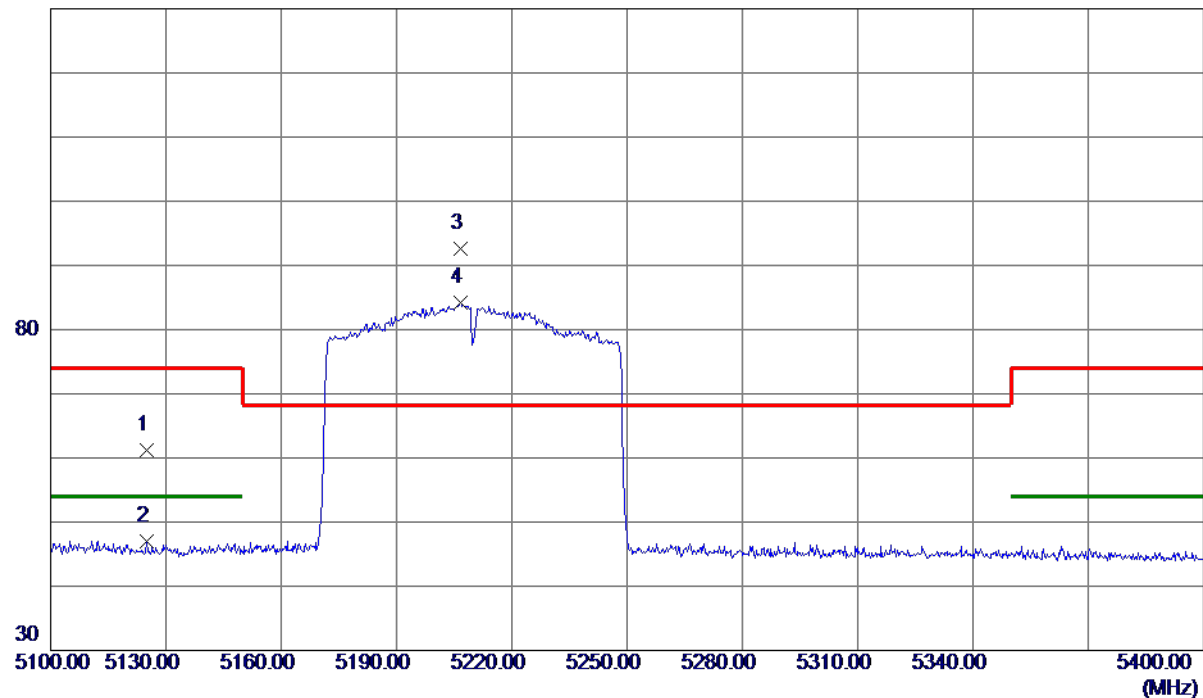
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5125.0500	23.20	37.97	61.17	74.00	-12.83	Peak	
2	5125.0500	9.11	37.97	47.08	54.00	-6.92	AVG	
3 *	5206.6500	54.90	37.67	92.57	68.20	24.37	Peak	
4	5206.6500	46.59	37.67	84.26	999.00	-914.74	AVG	

REMARKS:

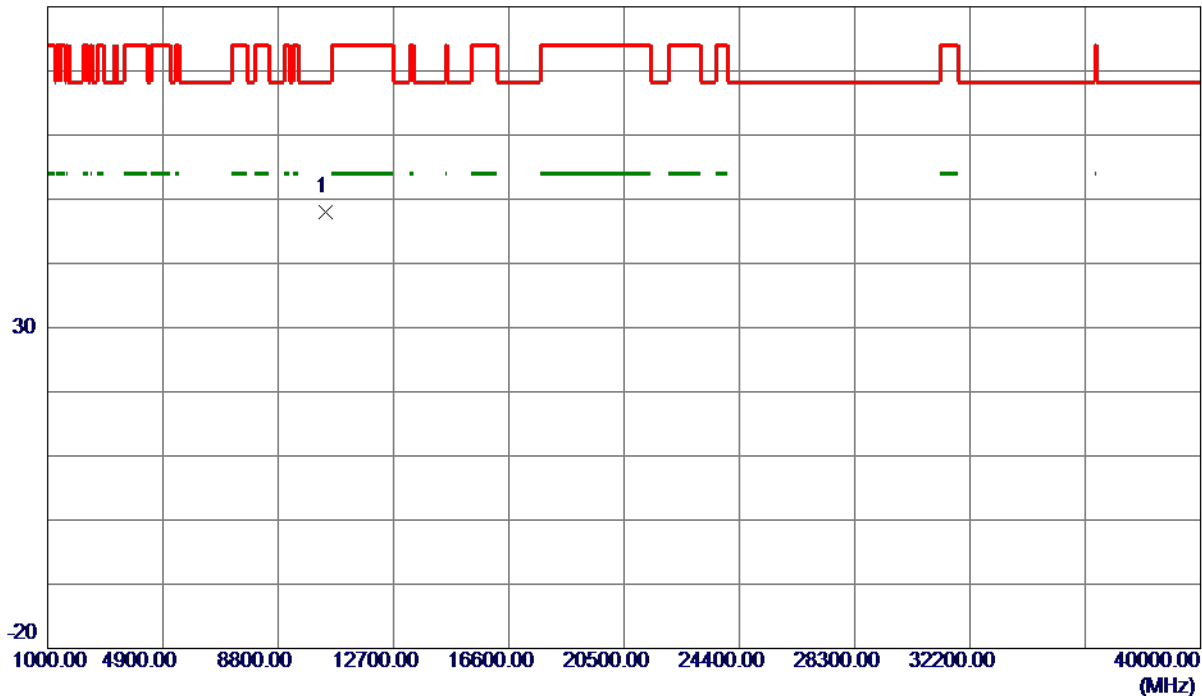
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10420.0000	46.28	1.74	48.02	68.20	-20.18	Peak	

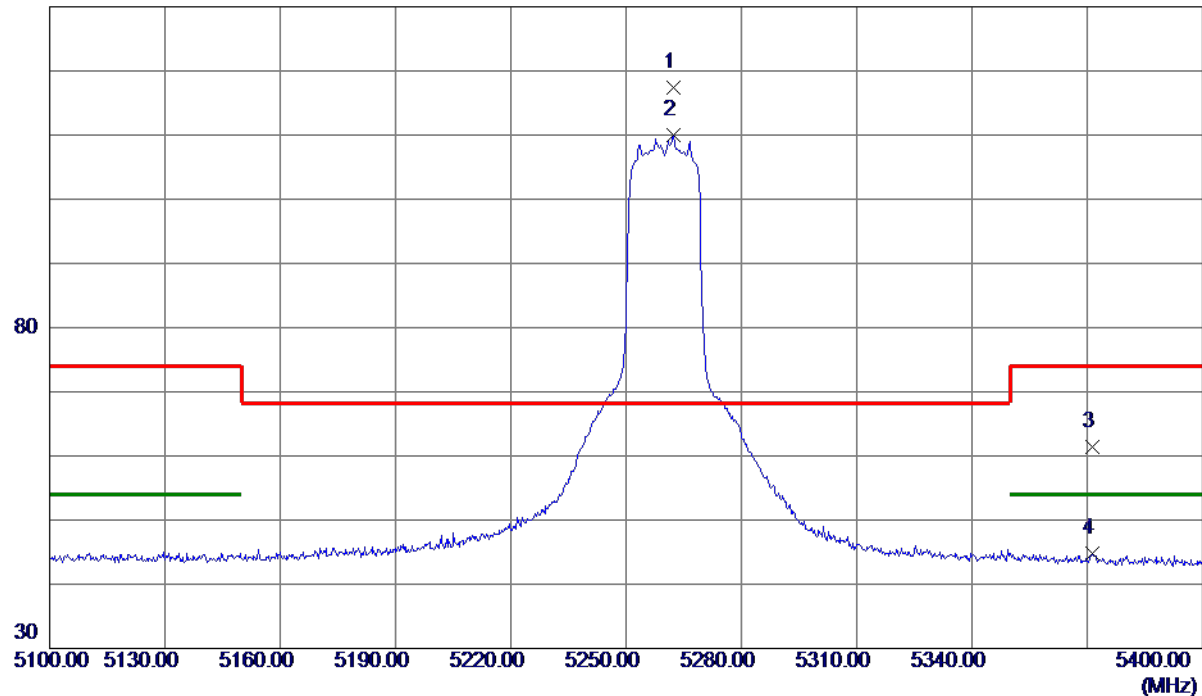
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5262.3000	79.79	37.59	117.38	68.20	49.18	Peak	
2	5262.3000	72.42	37.59	110.01	999.00	-888.99	AVG	
3	5371.3500	23.62	37.82	61.44	74.00	-12.56	Peak	
4	5371.3500	6.96	37.82	44.78	54.00	-9.22	AVG	

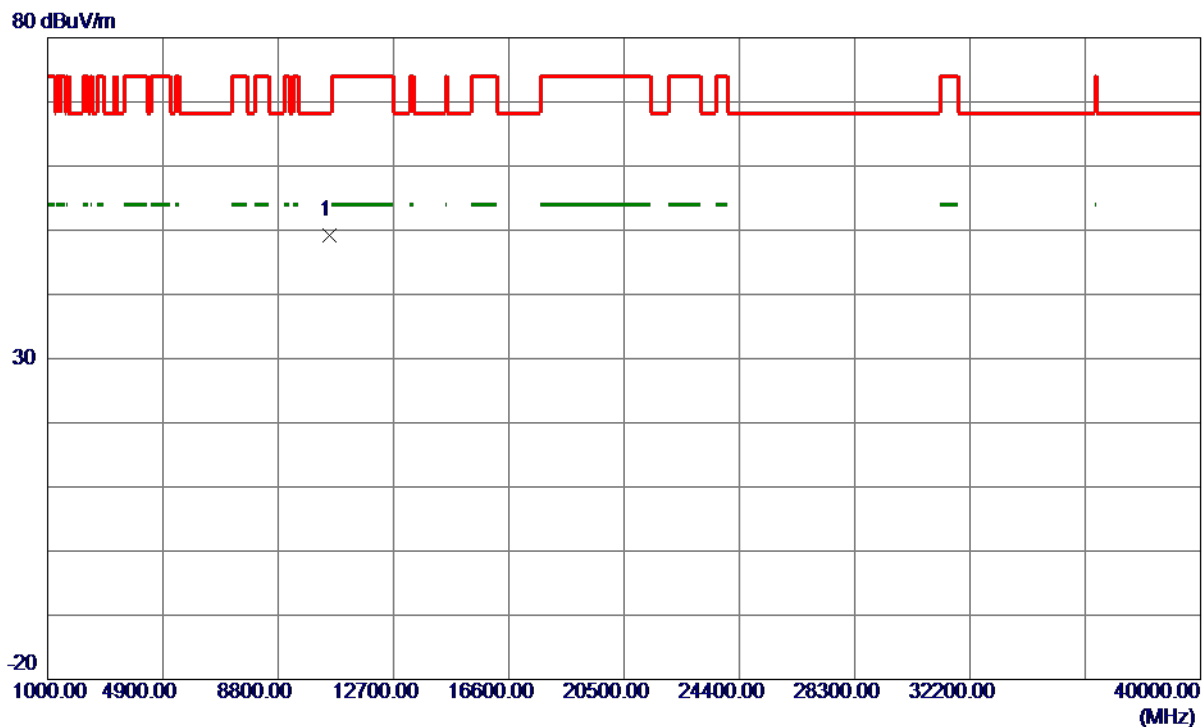
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10516.0000	47.27	1.84	49.11	68.20	-19.09	Peak	

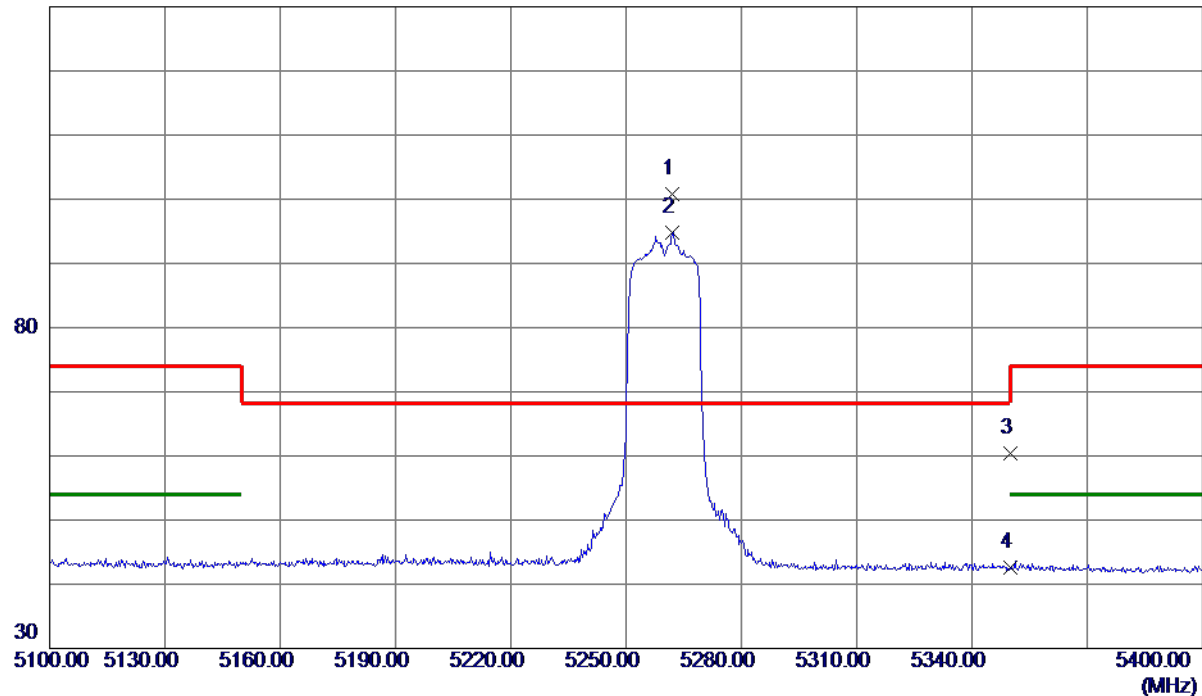
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5262.1500	63.19	37.59	100.78	68.20	32.58	Peak	
2	5262.1500	57.28	37.59	94.87	999.00	-904.13	AVG	
3	5350.0000	22.63	37.74	60.37	74.00	-13.63	Peak	
4	5350.0000	4.95	37.74	42.69	54.00	-11.31	AVG	

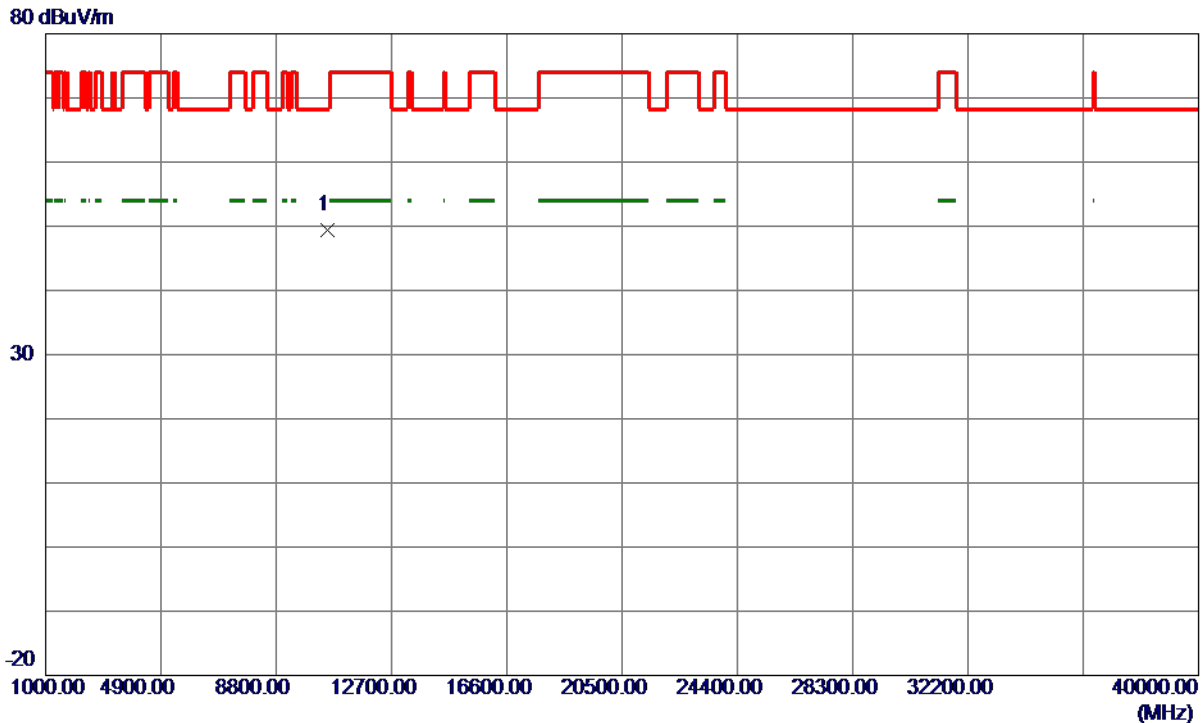
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10516.0000	47.55	1.84	49.39	68.20	-18.81	Peak	

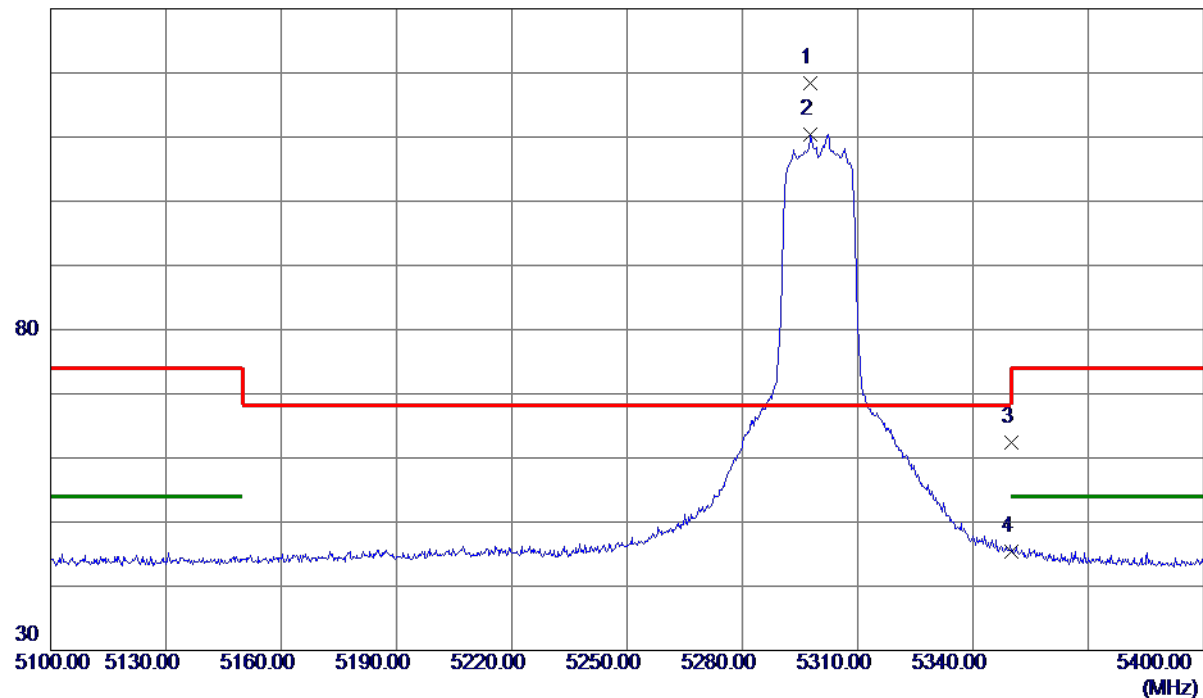
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5297.7000	80.85	37.54	118.39	68.20	50.19	Peak	
2	5297.7000	72.89	37.54	110.43	999.00	-888.57	AVG	
3	5350.0000	24.62	37.74	62.36	74.00	-11.64	Peak	
4	5350.0000	7.65	37.74	45.39	54.00	-8.61	AVG	

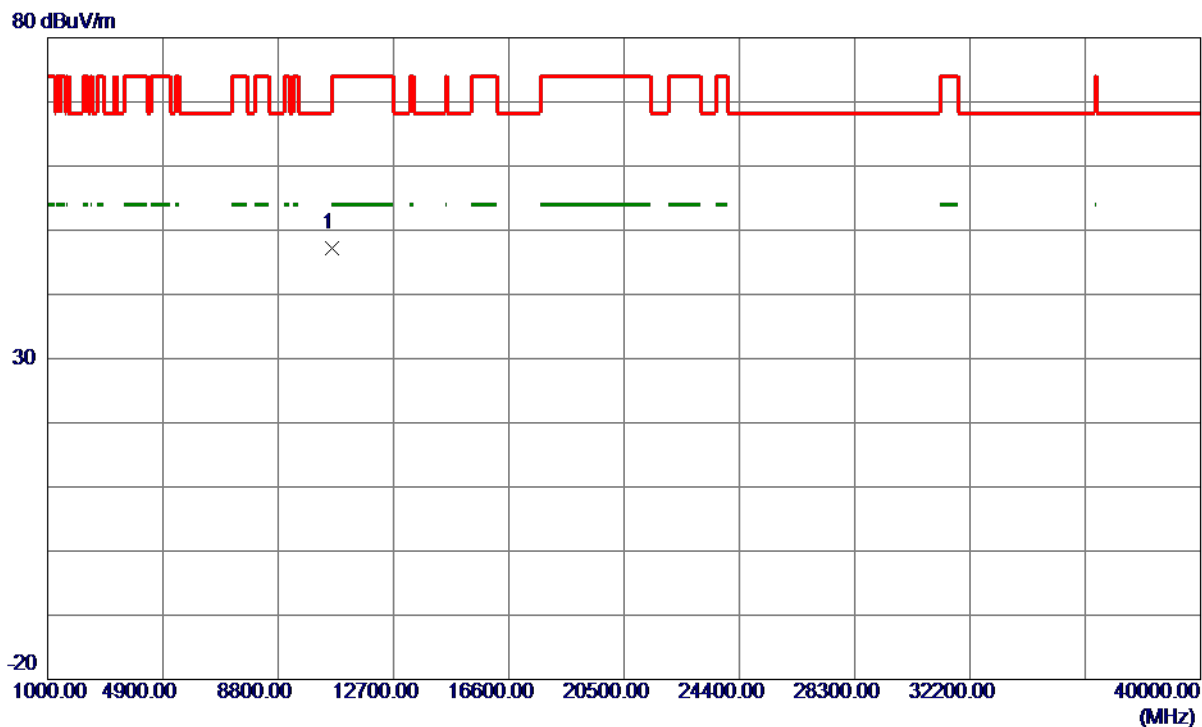
REMARKS:

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

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

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10600.0000	45.27	1.92	47.19	68.20	-21.01	Peak	

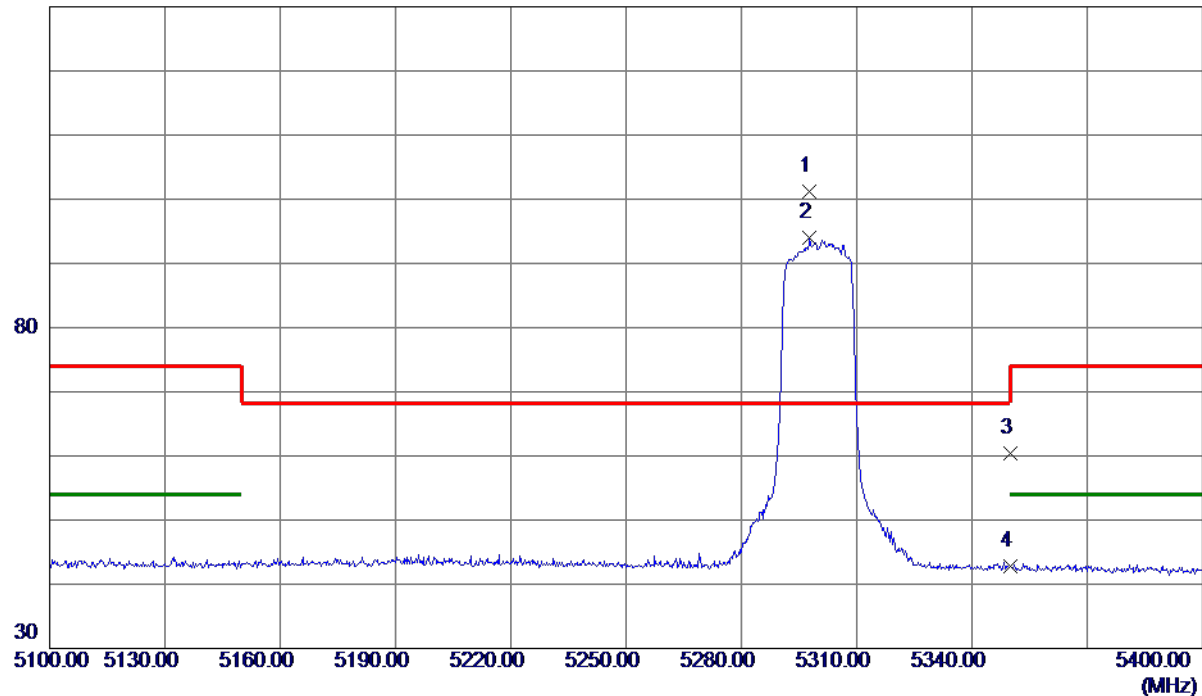
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5297.7000	63.62	37.54	101.16	68.20	32.96	Peak	
2	5297.7000	56.41	37.54	93.95	999.00	-905.05	AVG	
3	5350.0000	22.71	37.74	60.45	74.00	-13.55	Peak	
4	5350.0000	4.97	37.74	42.71	54.00	-11.29	AVG	

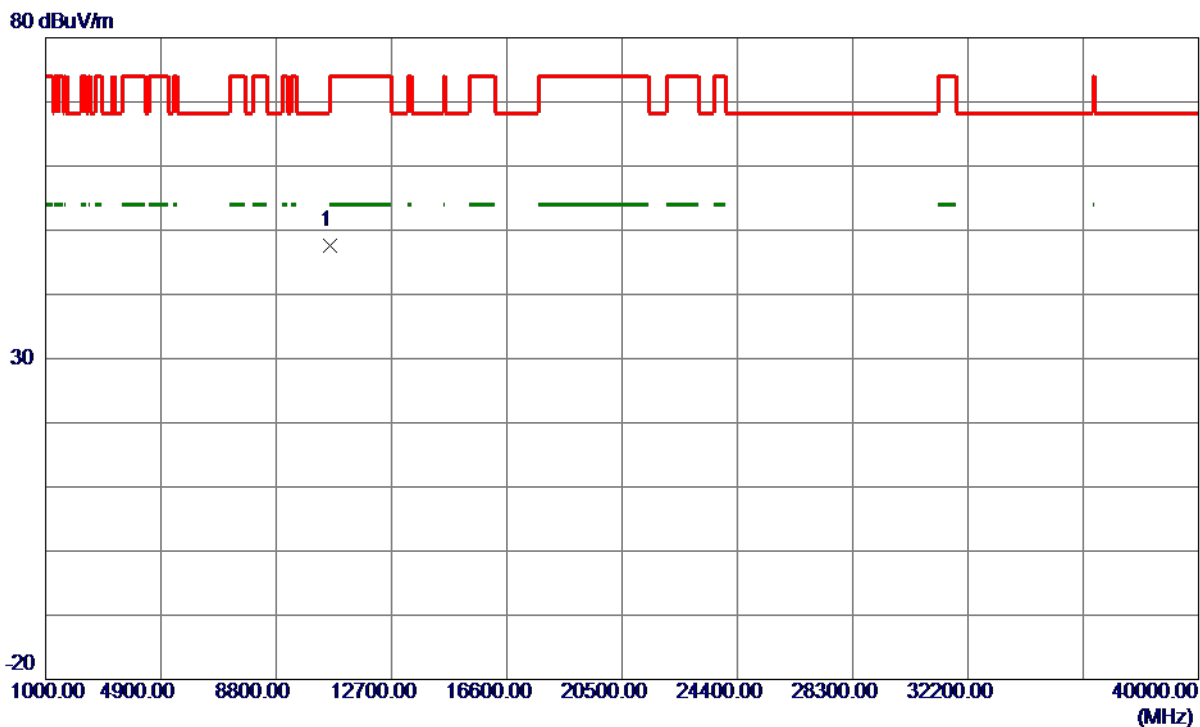
REMARKS:

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

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

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

Horizontal



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

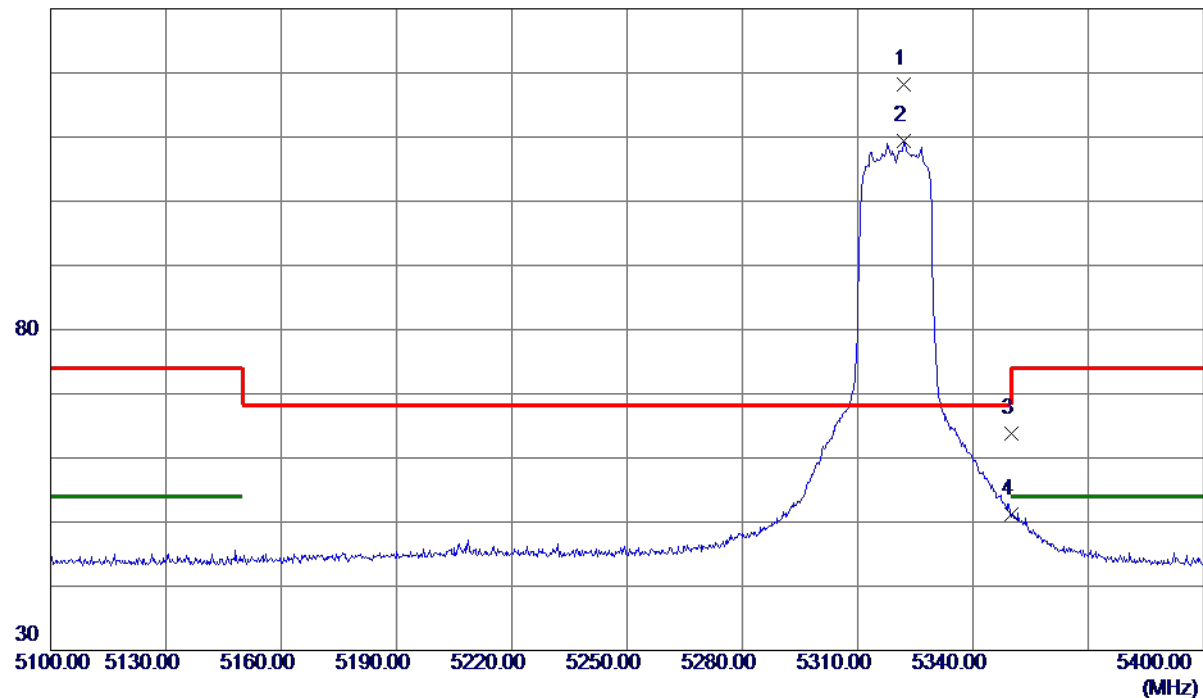
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5322.1500	80.57	37.62	118.19	68.20	49.99	Peak	
2	5322.1500	71.75	37.62	109.37	999.00	-889.63	AVG	
3	5350.0000	25.97	37.74	63.71	74.00	-10.29	Peak	
4	5350.0000	13.51	37.74	51.25	54.00	-2.75	AVG	

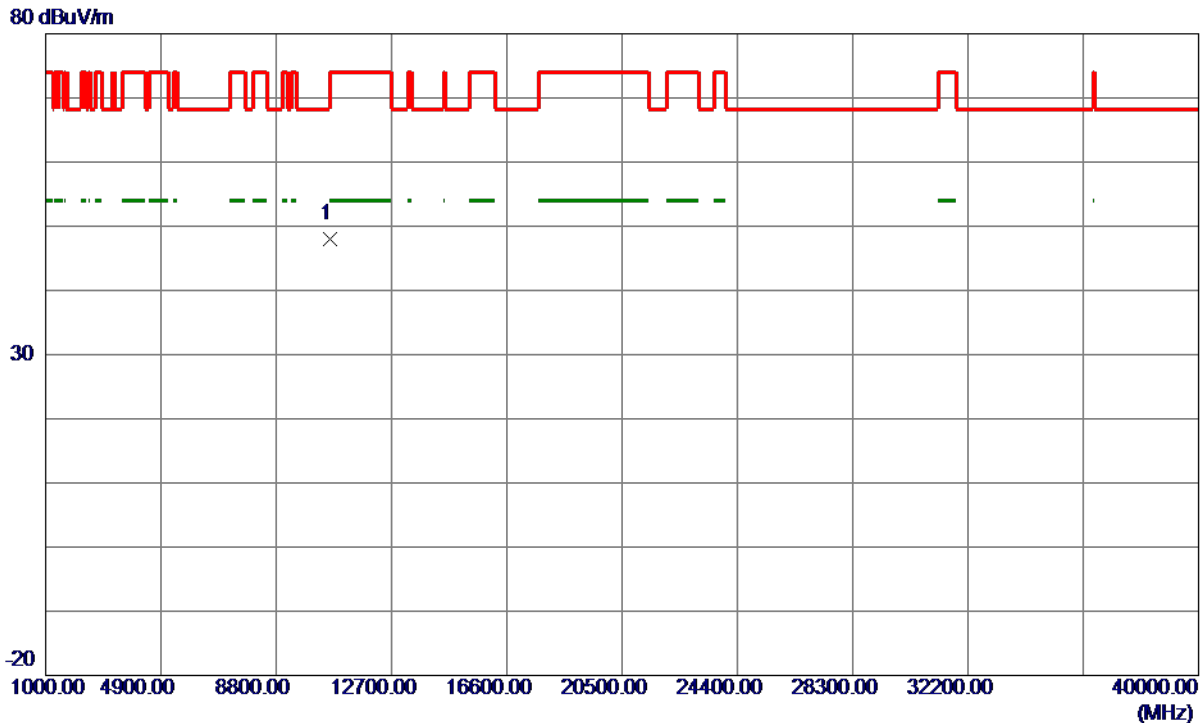
REMARKS:

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

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

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10640.0000	46.05	1.94	47.99	74.00	-26.01	Peak	

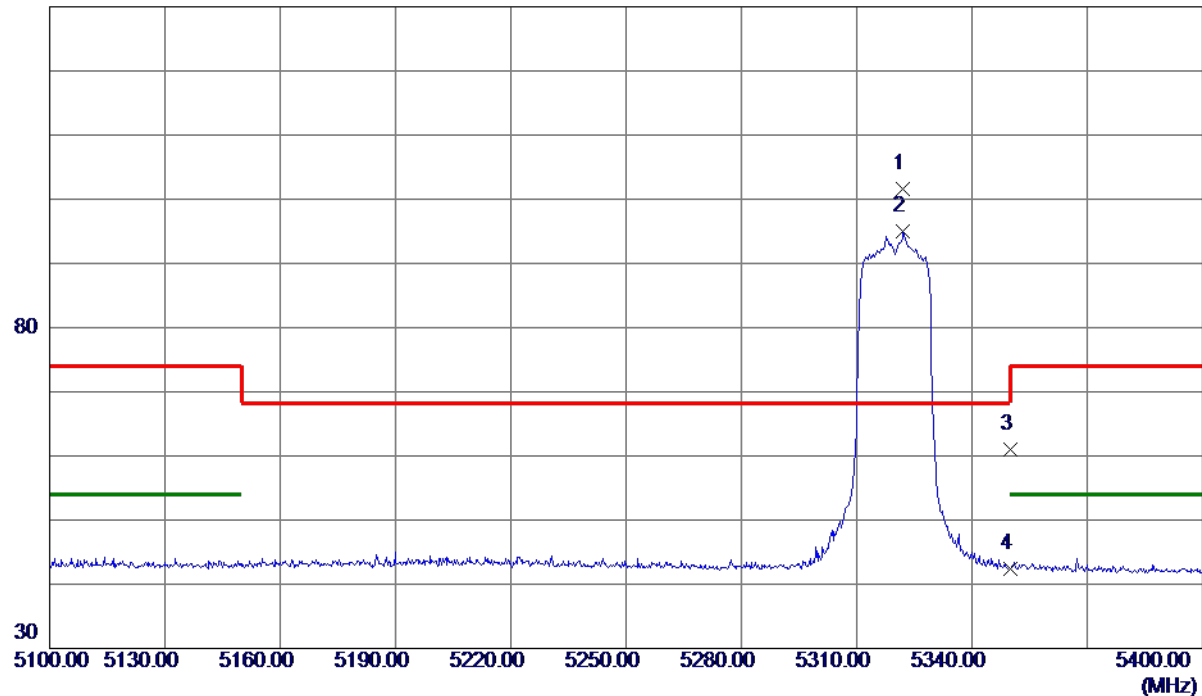
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5322.1500	63.95	37.62	101.57	68.20	33.37	Peak	
2	5322.1500	57.37	37.62	94.99	999.00	-904.01	AVG	
3	5350.0000	23.33	37.74	61.07	74.00	-12.93	Peak	
4	5350.0000	4.59	37.74	42.33	54.00	-11.67	AVG	

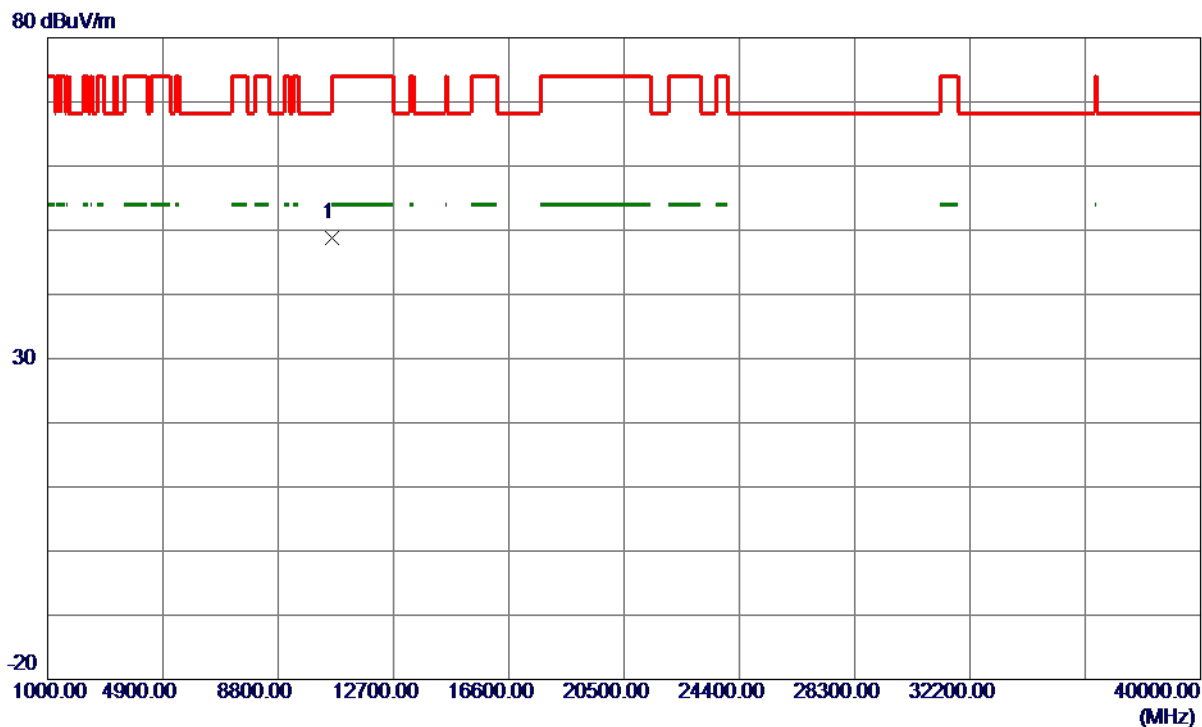
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10640.8000	46.82	1.94	48.76	74.00	-25.24	Peak	

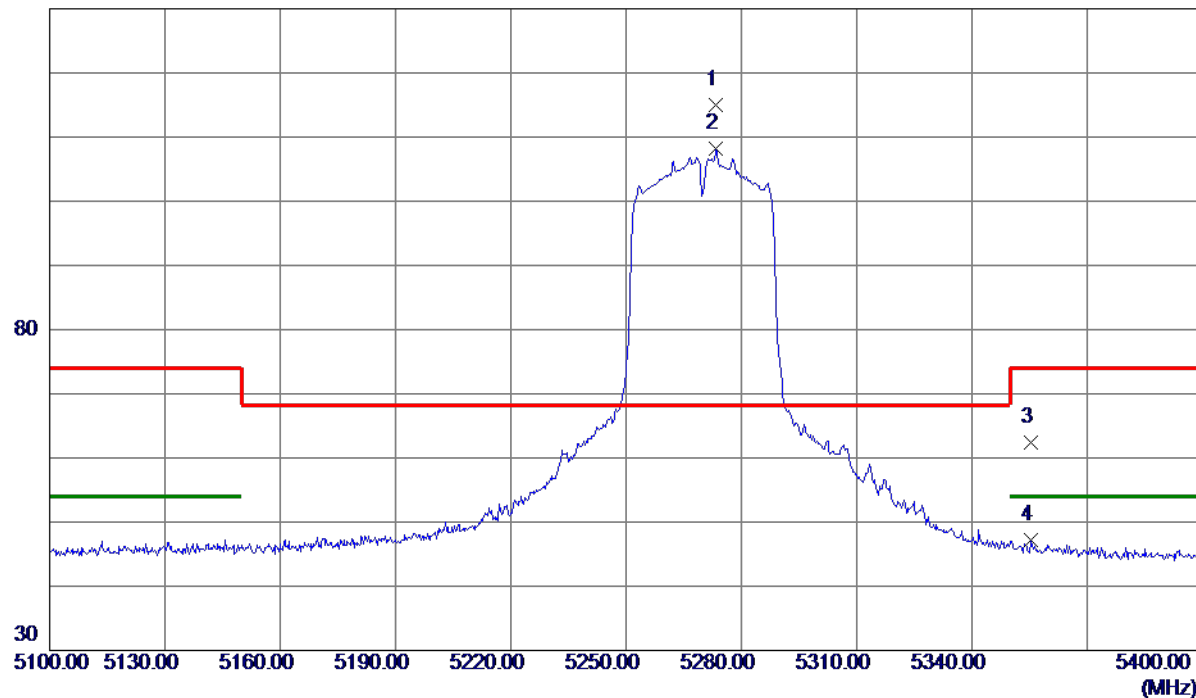
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5273.4000	77.43	37.57	115.00	68.20	46.80	Peak	
2	5273.4000	70.68	37.57	108.25	999.00	-890.75	AVG	
3	5355.4500	24.73	37.76	62.49	74.00	-11.51	Peak	
4	5355.4500	9.49	37.76	47.25	54.00	-6.75	AVG	

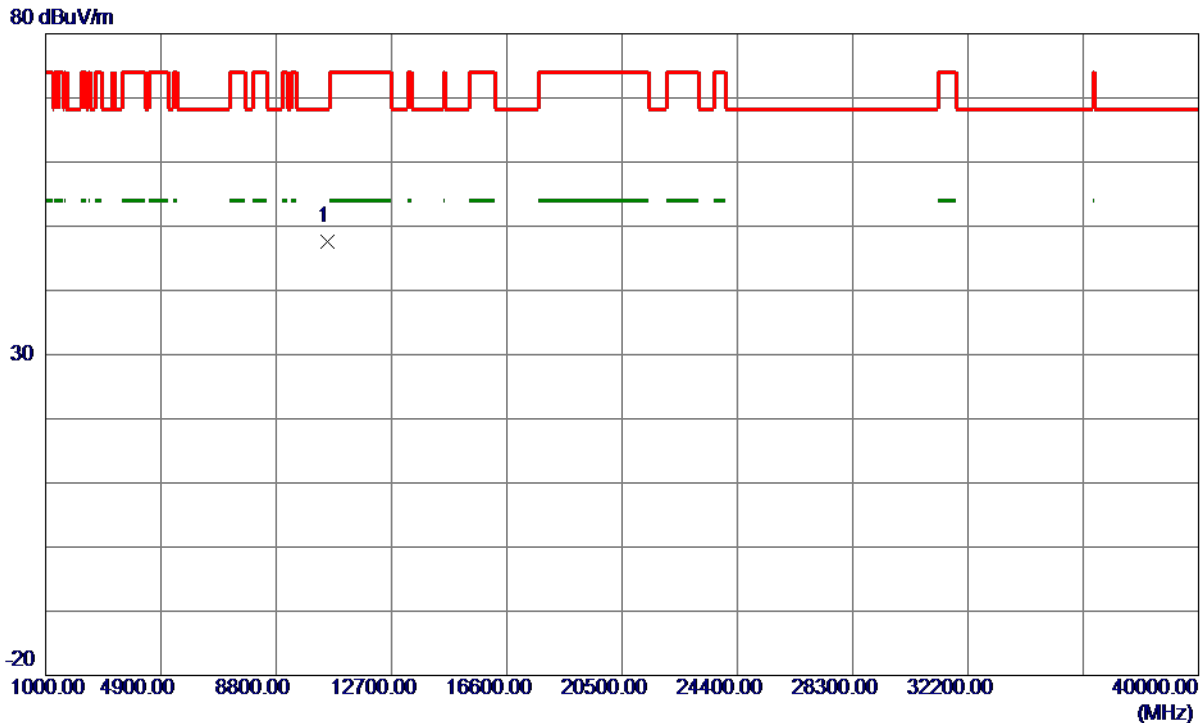
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10540.0000	45.77	1.86	47.63	68.20	-20.57	Peak	

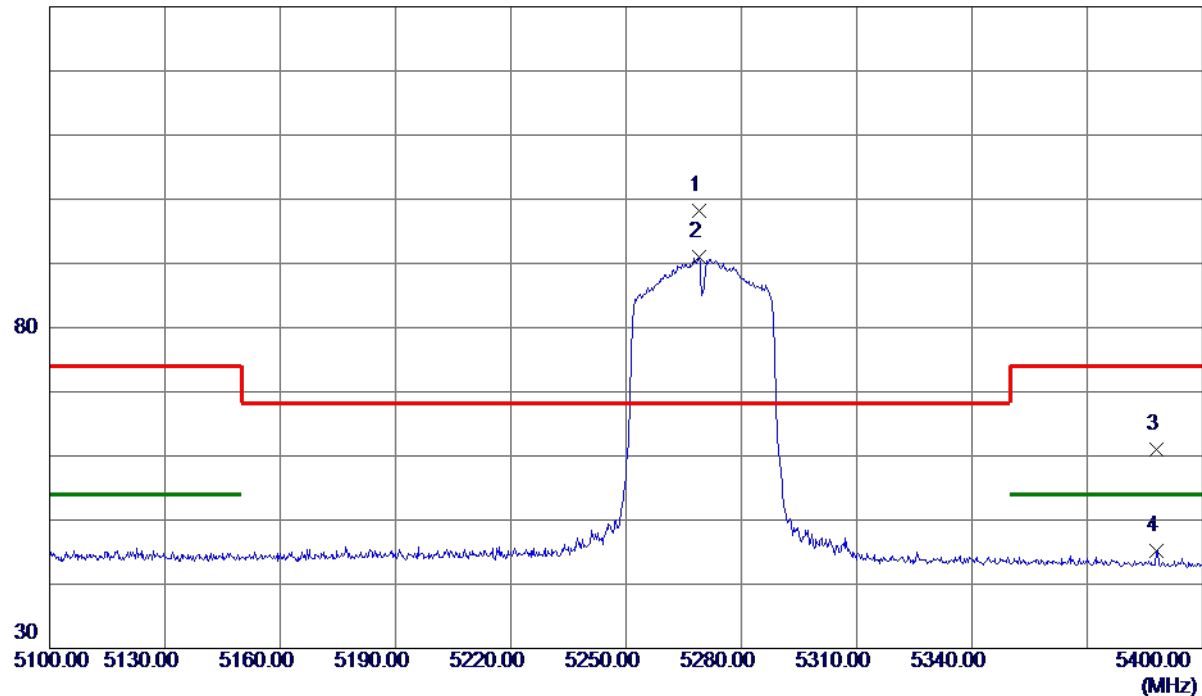
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5268.9000	60.71	37.58	98.29	68.20	30.09	Peak	
2	5268.9000	53.42	37.58	91.00	999.00	-908.00	AVG	
3	5388.1500	23.05	37.89	60.94	74.00	-13.06	Peak	
4	5388.1500	7.31	37.89	45.20	54.00	-8.80	AVG	

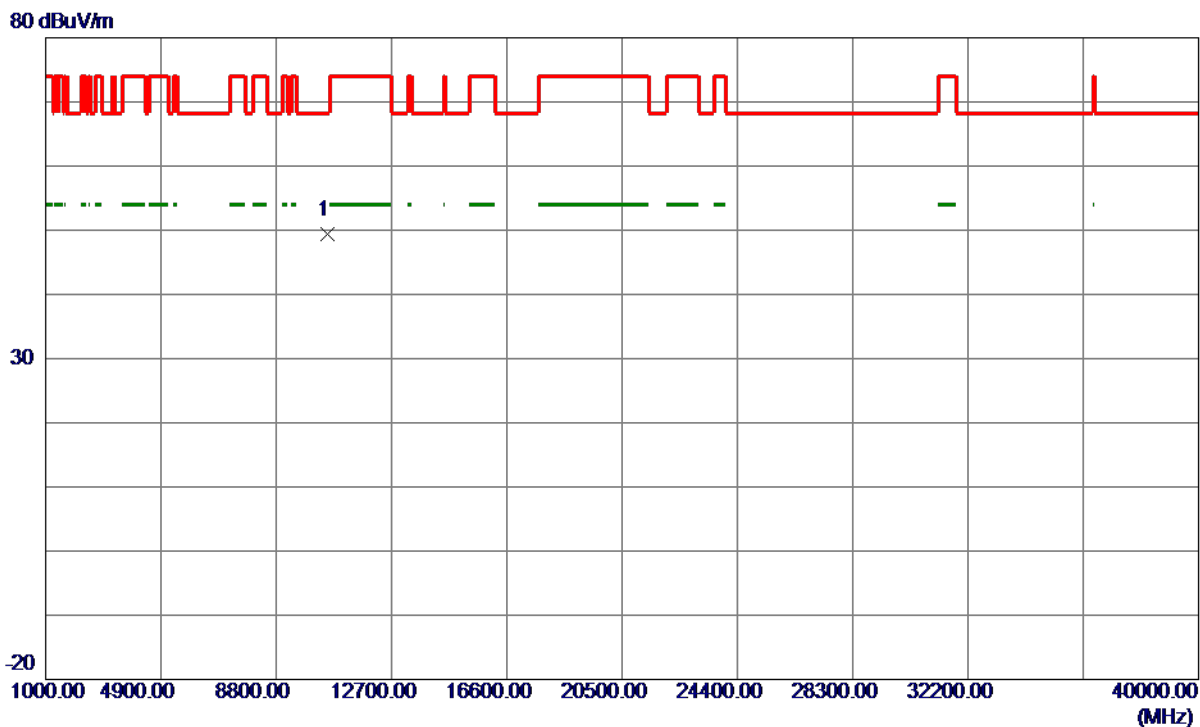
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10540.0000	47.44	1.86	49.30	68.20	-18.90	Peak	

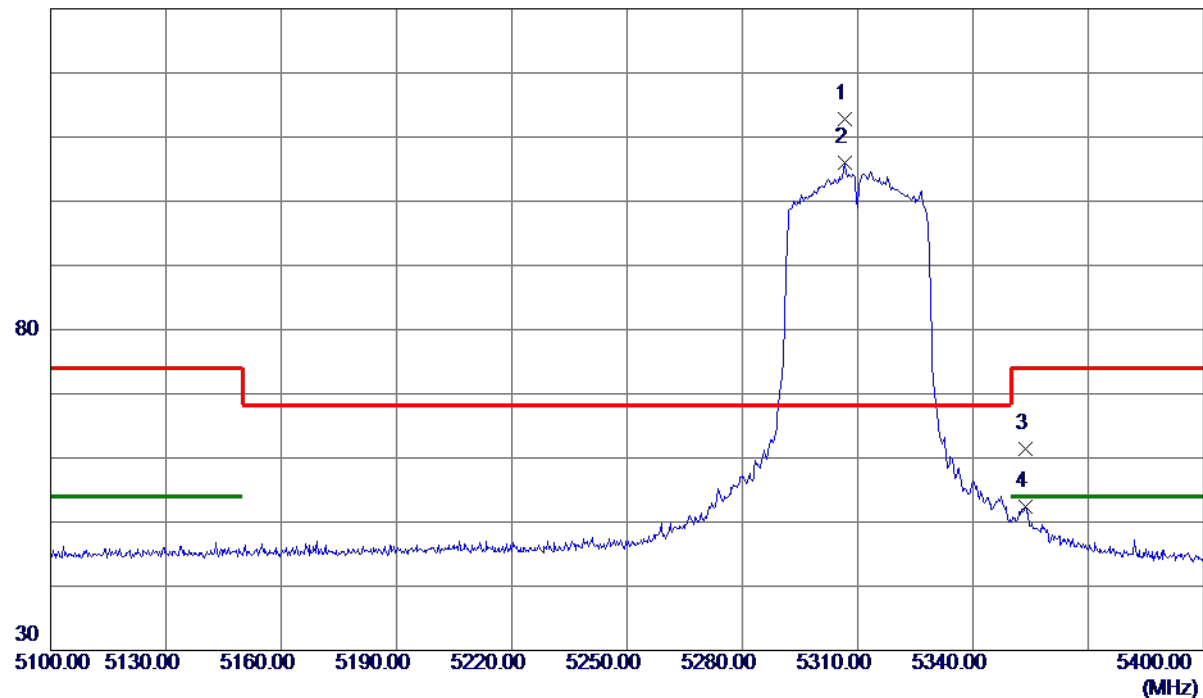
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5306.5500	75.15	37.56	112.71	68.20	44.51	Peak	
2	5306.5500	68.48	37.56	106.04	999.00	-892.96	AVG	
3	5353.6500	23.57	37.75	61.32	74.00	-12.68	Peak	
4	5353.6500	14.64	37.75	52.39	54.00	-1.61	AVG	

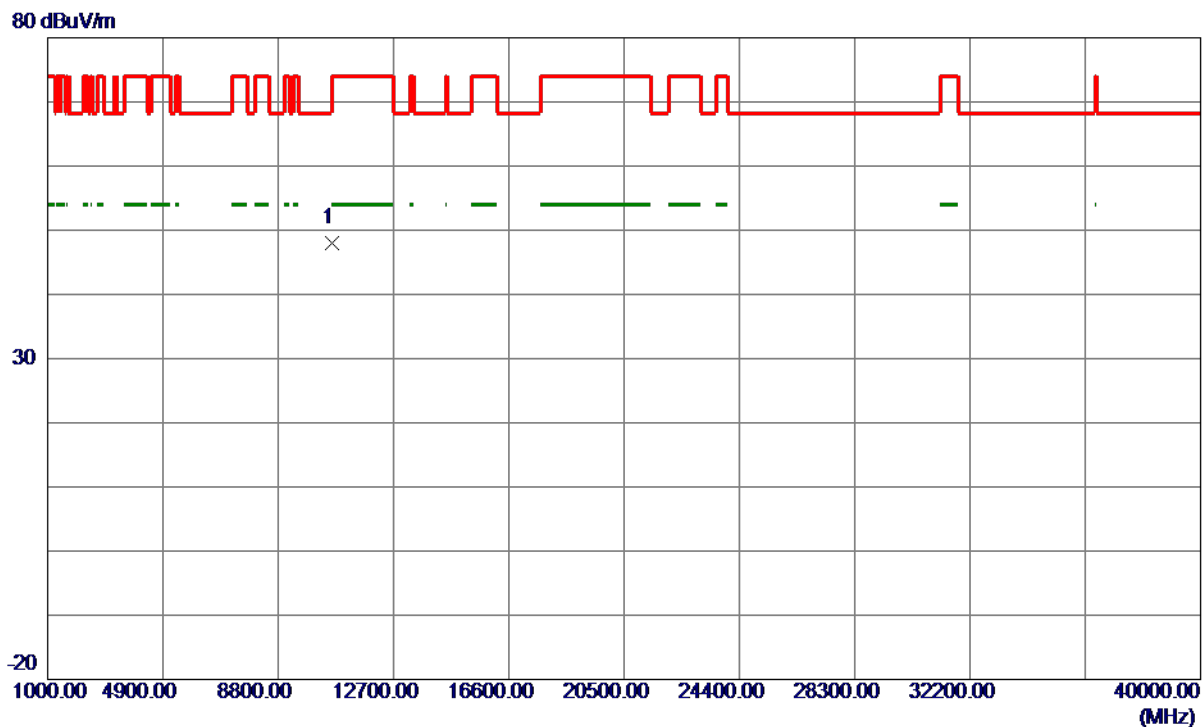
REMARKS:

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

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

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10620.0000	46.01	1.93	47.94	74.00	-26.06	Peak	

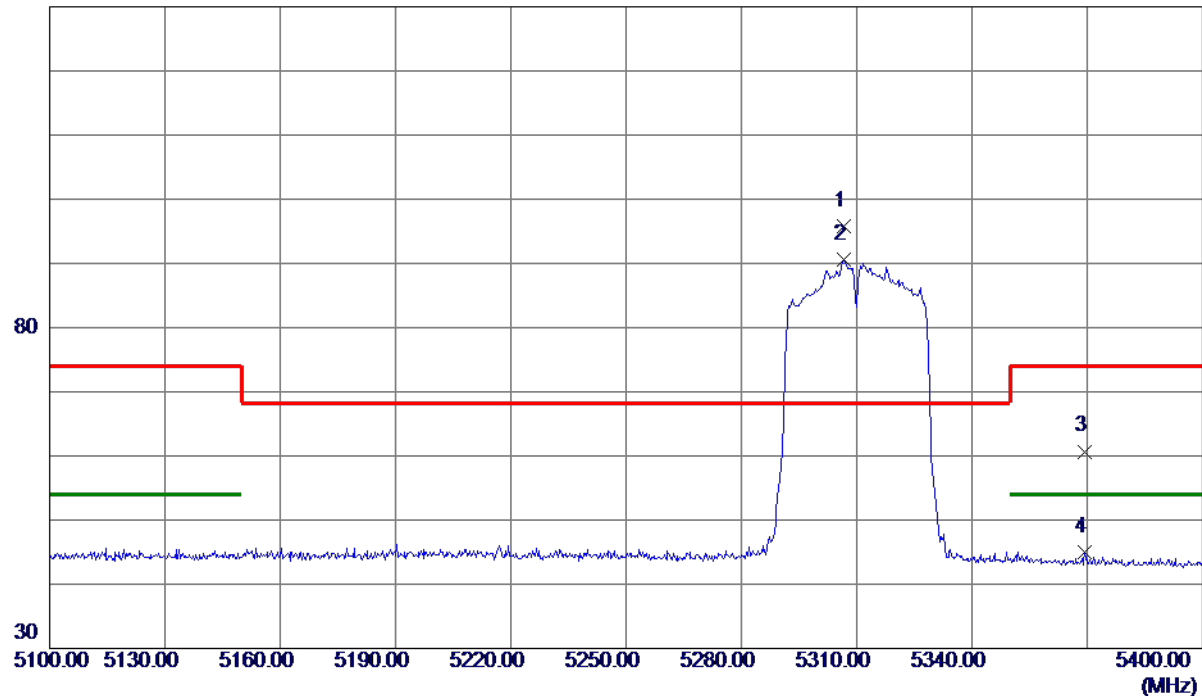
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5306.7000	58.32	37.56	95.88	68.20	27.68	Peak	
2	5306.7000	52.99	37.56	90.55	999.00	-908.45	AVG	
3	5369.4000	22.88	37.82	60.70	74.00	-13.30	Peak	
4	5369.4000	7.18	37.82	45.00	54.00	-9.00	AVG	

REMARKS:

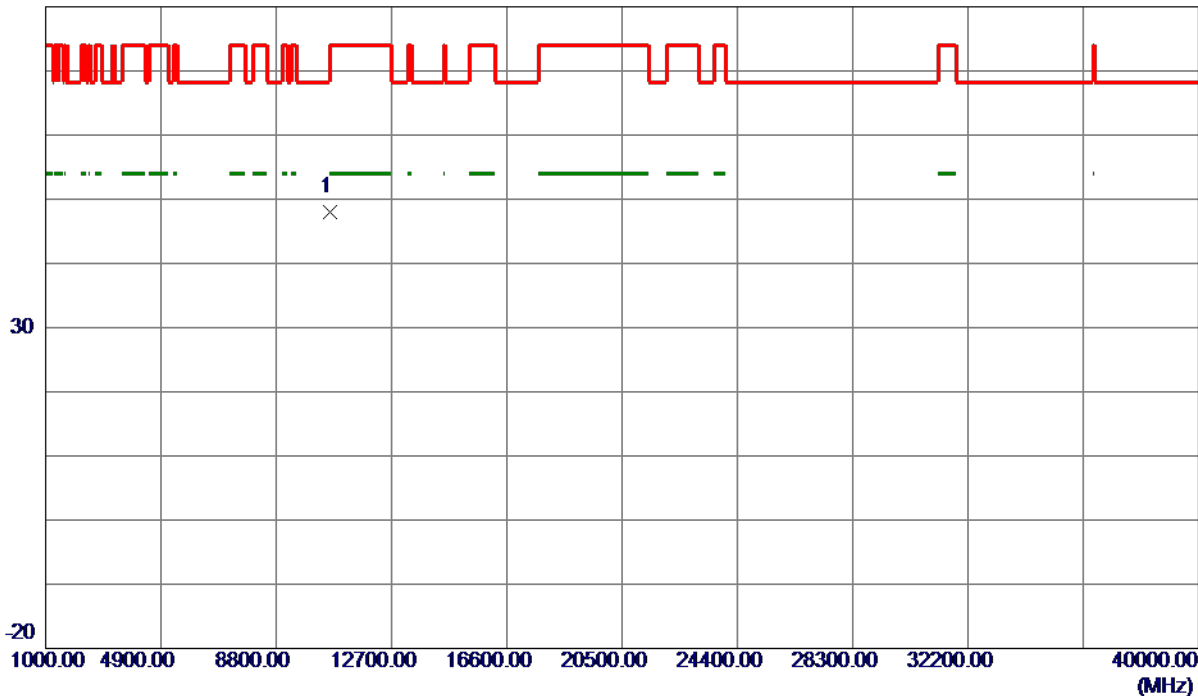
(1) Measurement Value = Reading Level + Correct Factor.

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

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

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10620.0000	46.16	1.93	48.09	74.00	-25.91	Peak	

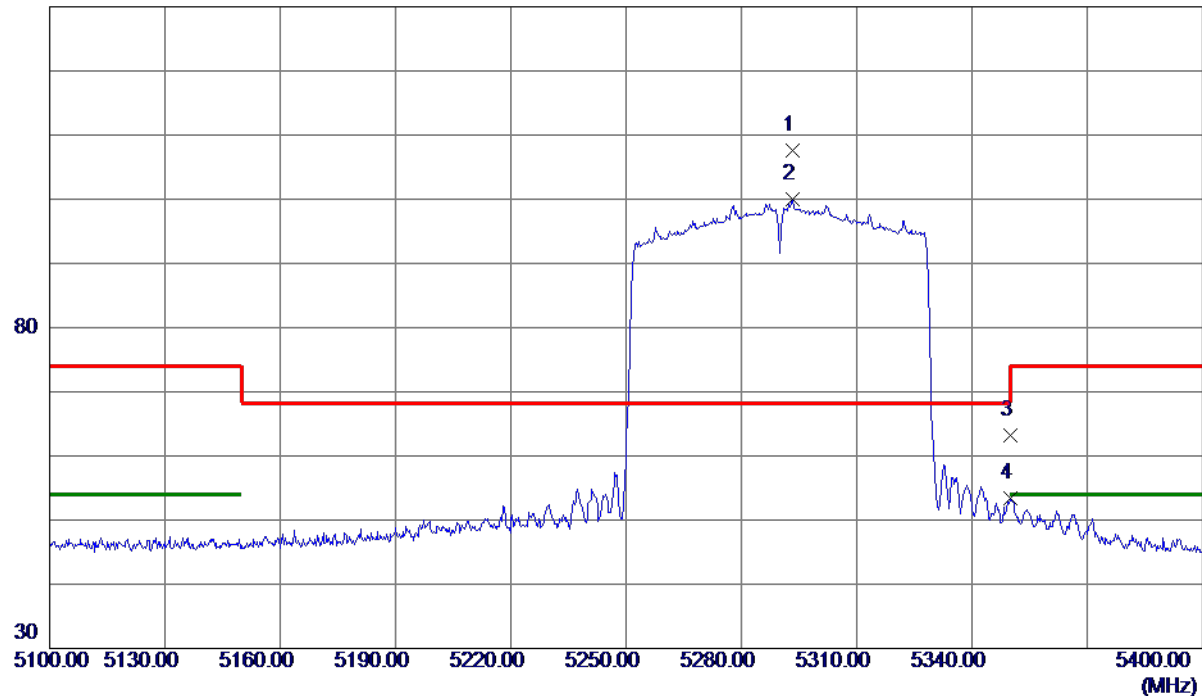
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5293.3500	70.02	37.54	107.56	68.20	39.36	Peak	
2	5293.3500	62.52	37.54	100.06	999.00	-898.94	AVG	
3	5350.0500	25.53	37.74	63.27	74.00	-10.73	Peak	
4	5350.0500	15.71	37.74	53.45	54.00	-0.55	AVG	

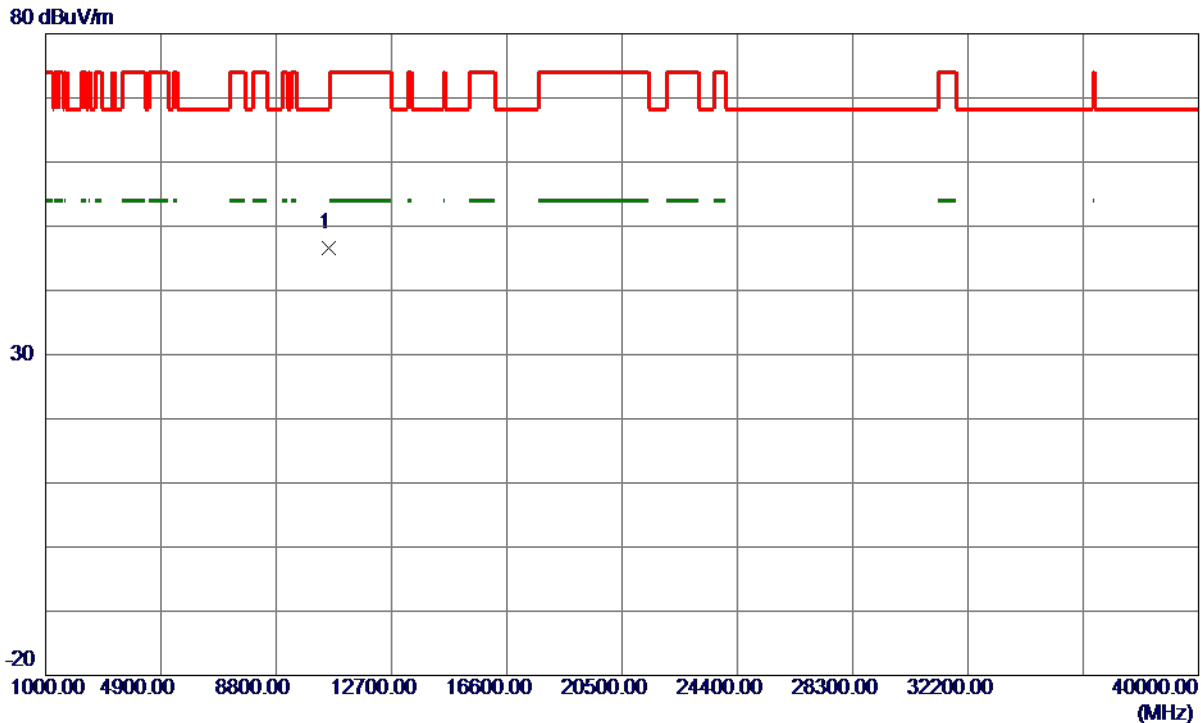
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10580.0000	44.74	1.90	46.64	68.20	-21.56	Peak	

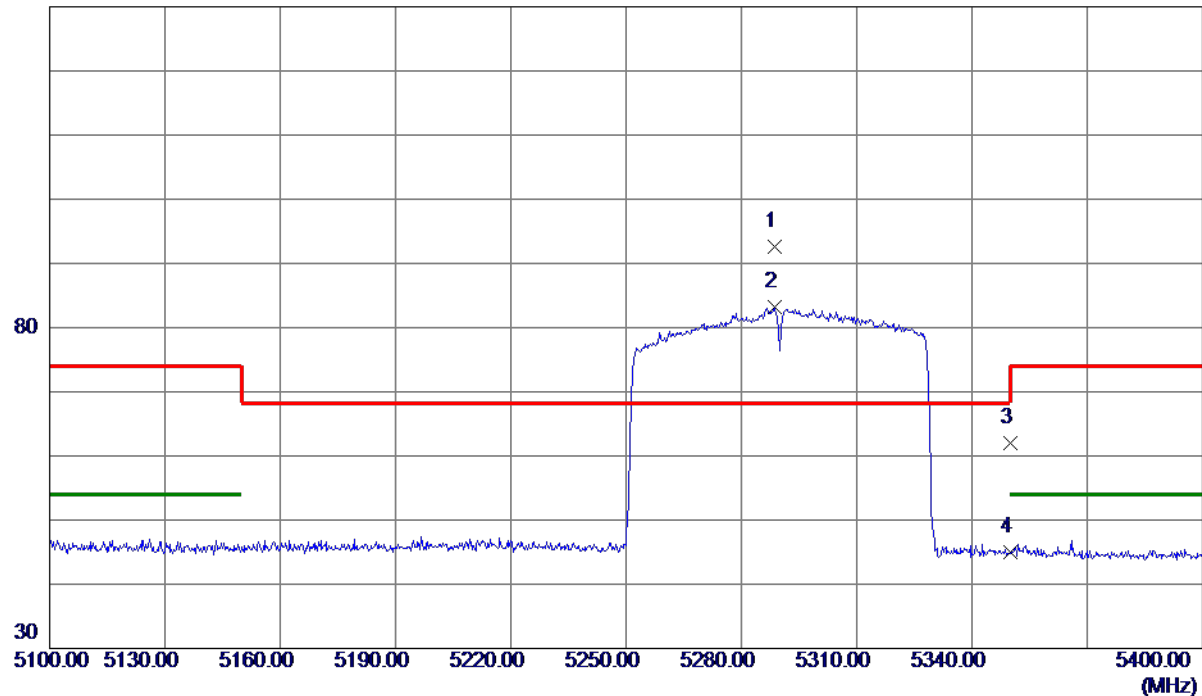
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5288.5500	55.01	37.55	92.56	68.20	24.36	Peak	
2	5288.5500	45.65	37.55	83.20	999.00	-915.80	AVG	
3	5350.0000	24.19	37.74	61.93	74.00	-12.07	Peak	
4	5350.0000	7.23	37.74	44.97	54.00	-9.03	AVG	

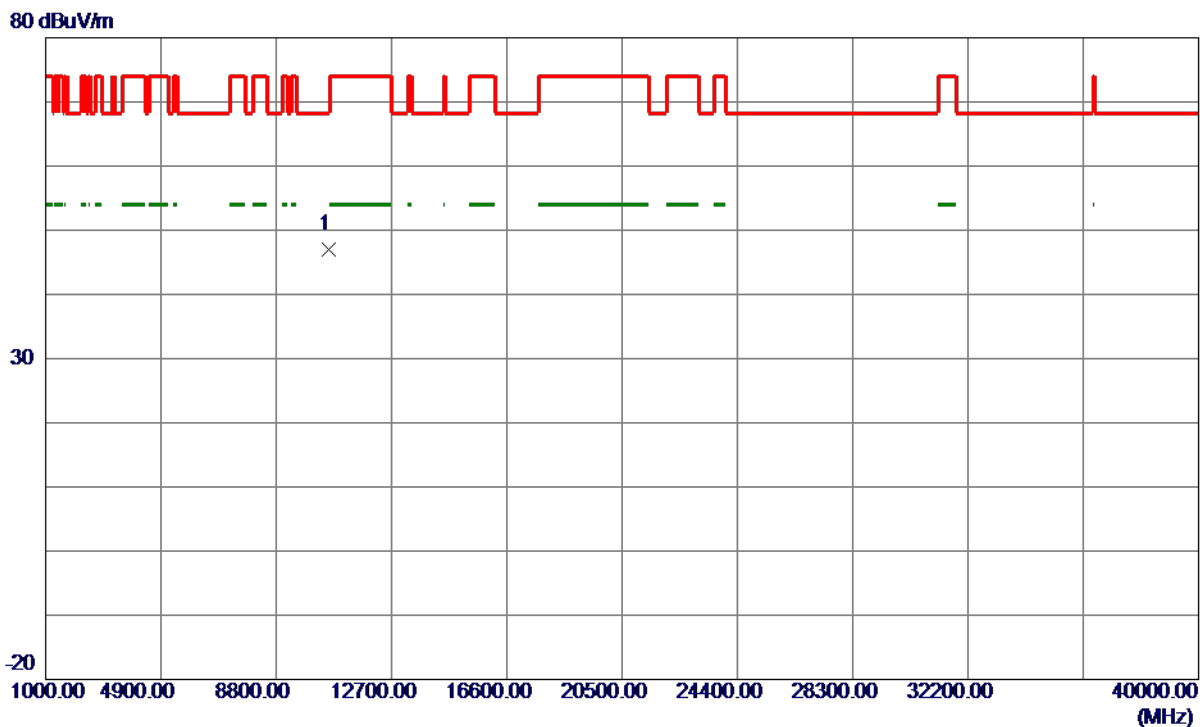
REMARKS:

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

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

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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10580.0000	45.16	1.90	47.06	68.20	-21.14	Peak	

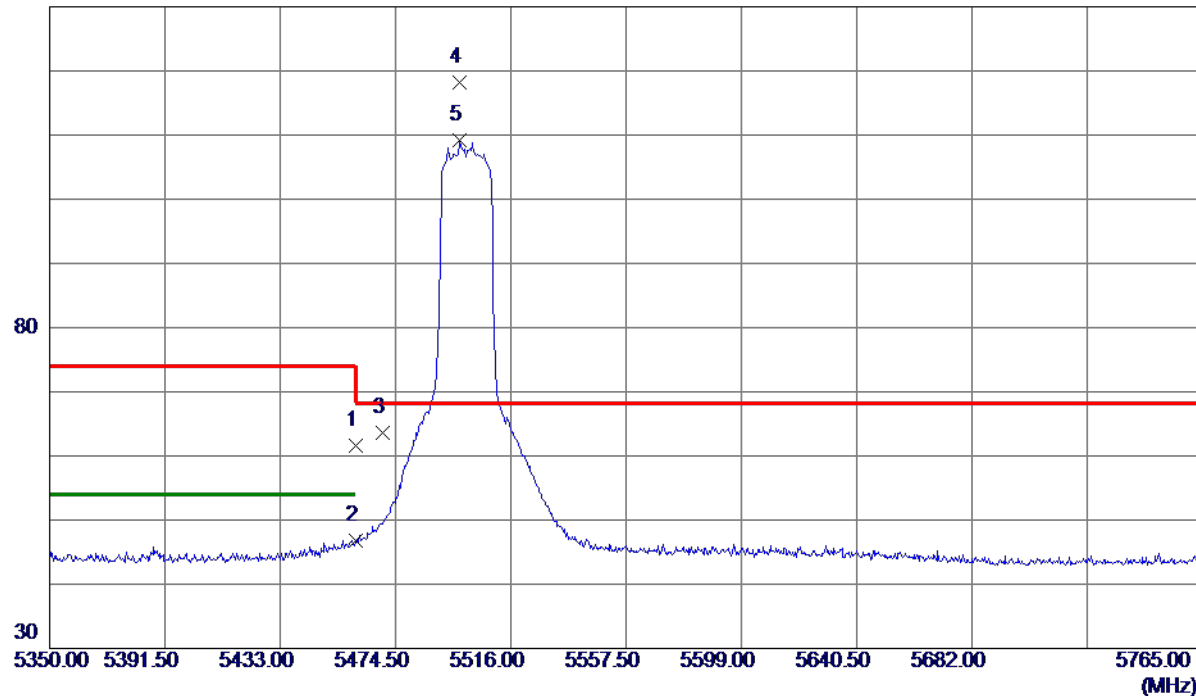
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	23.54	38.12	61.66	74.00	-12.34	Peak	
2	5460.0000	8.64	38.12	46.76	54.00	-7.24	AVG	
3	5470.0000	25.52	38.15	63.67	68.20	-4.53	Peak	
4 *	5497.7400	80.05	38.23	118.28	68.20	50.08	Peak	
5	5497.7400	70.89	38.23	109.12	999.00	-889.88	AVG	

REMARKS:

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

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

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11000.0000	47.06	2.34	49.40	74.00	-24.60	Peak	

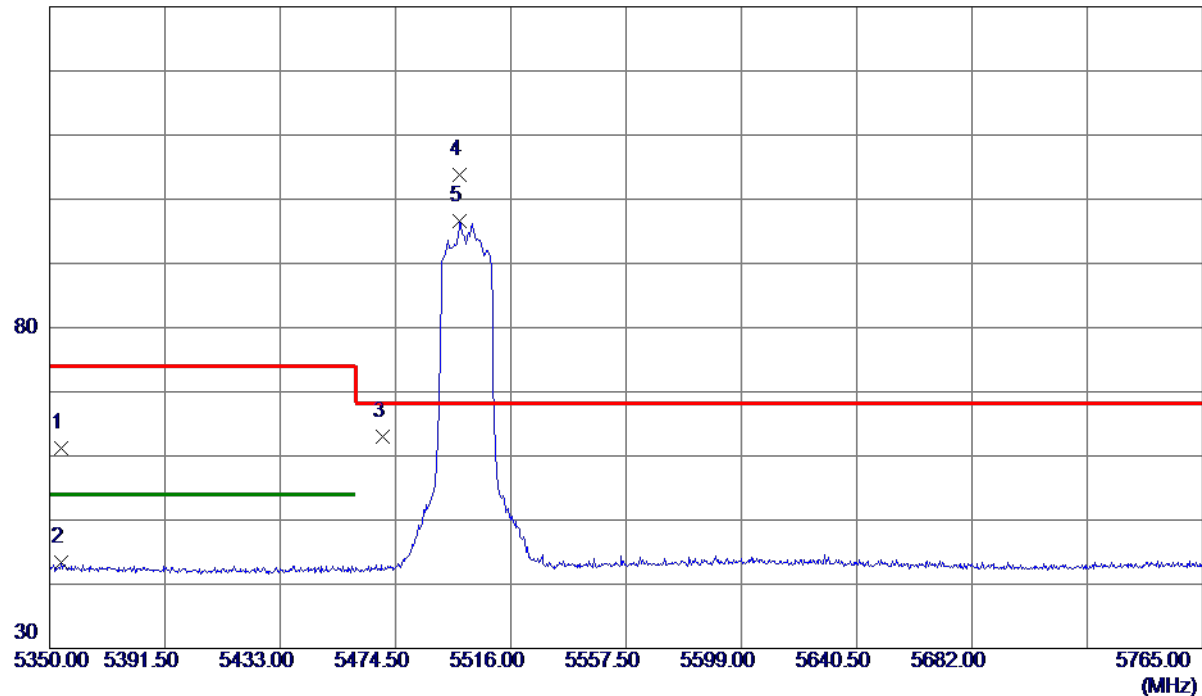
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5354.1500	23.43	37.75	61.18	74.00	-12.82	Peak	
2	5354.1500	5.74	37.75	43.49	54.00	-10.51	AVG	
3	5470.0000	24.85	38.15	63.00	68.20	-5.20	Peak	
4 *	5497.7400	65.48	38.23	103.71	68.20	35.51	Peak	
5	5497.7400	58.36	38.23	96.59	999.00	-902.41	AVG	

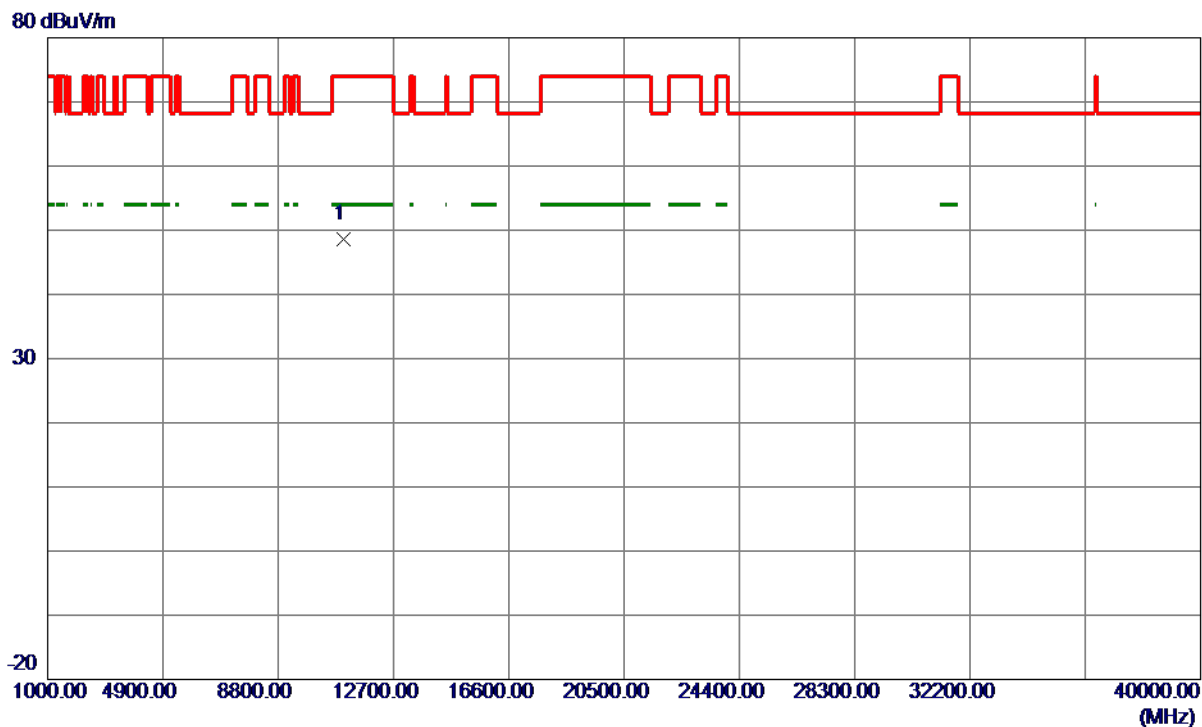
REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11000.0000	46.31	2.34	48.65	74.00	-25.35	Peak	

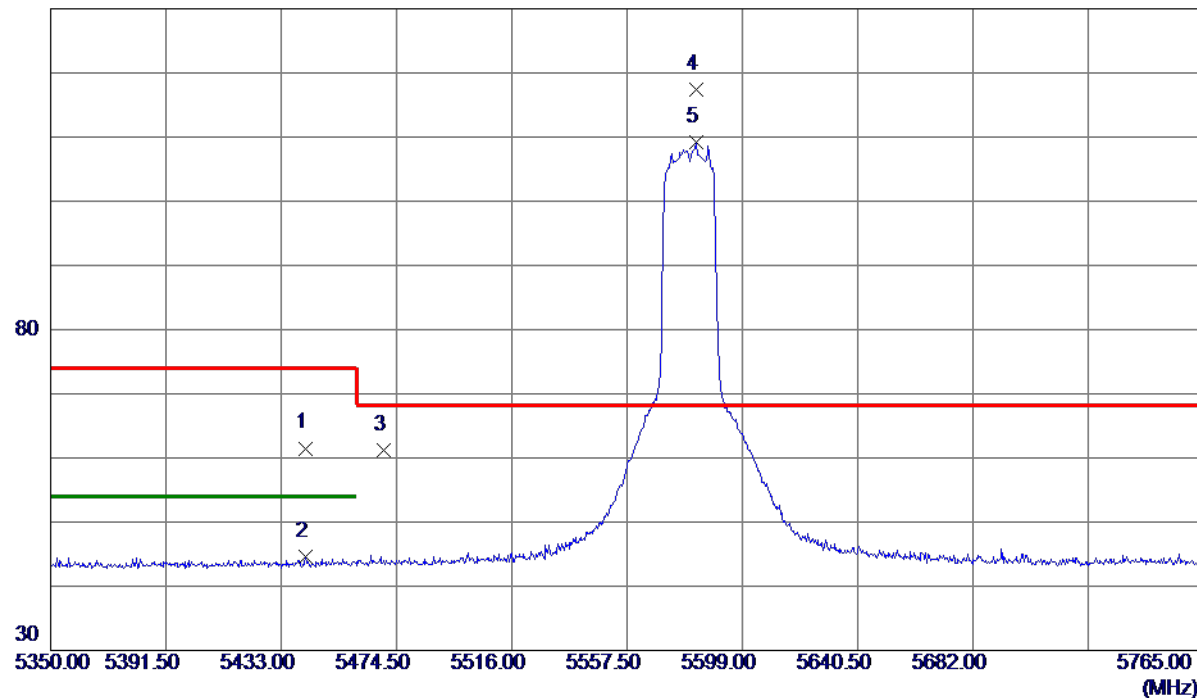
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5441.9220	23.43	38.07	61.50	74.00	-12.50	Peak	
2	5441.9220	6.57	38.07	44.64	54.00	-9.36	AVG	
3	5470.0000	23.12	38.15	61.27	68.20	-6.93	Peak	
4 *	5582.1930	79.12	38.32	117.44	68.20	49.24	Peak	
5	5582.1930	70.92	38.32	109.24	999.00	-889.76	AVG	

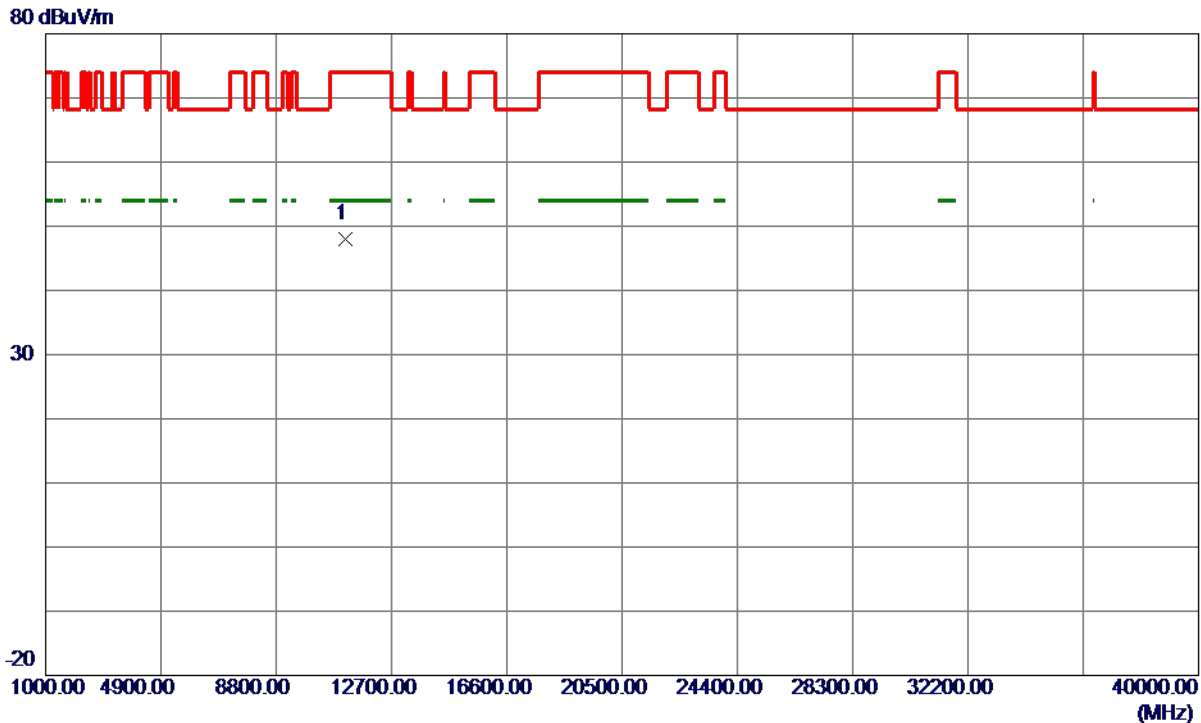
REMARKS:

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

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

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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11160.0000	45.95	2.04	47.99	74.00	-26.01	Peak	

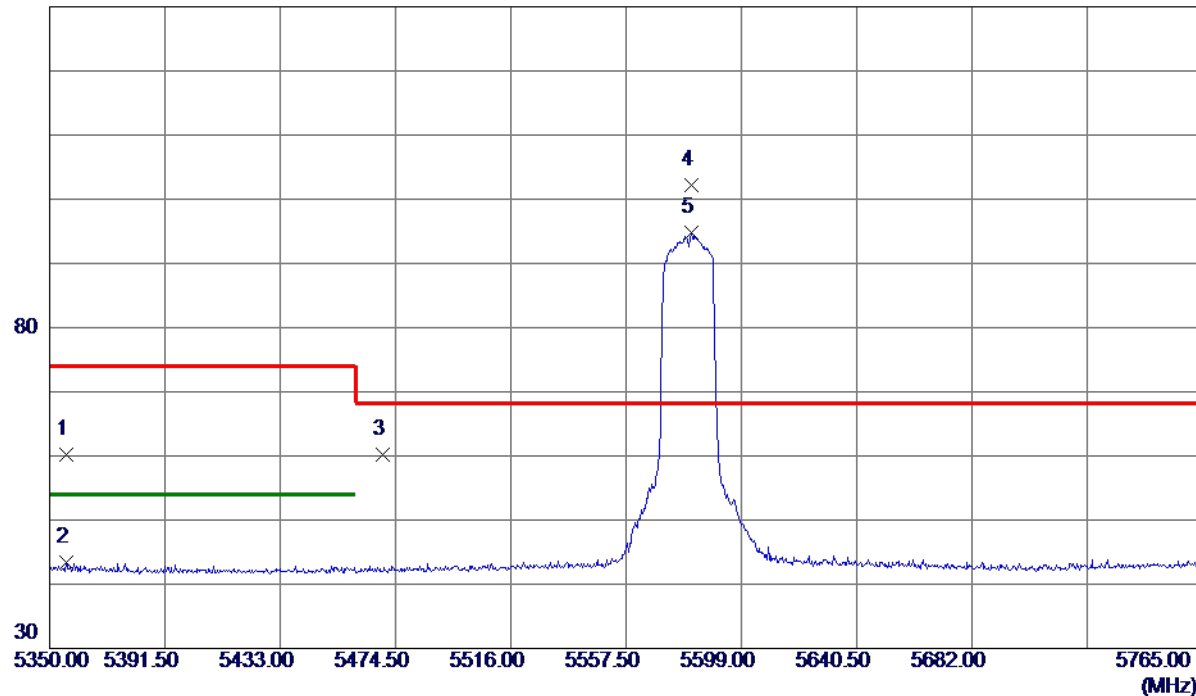
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5356.0170	22.42	37.76	60.18	74.00	-13.82	Peak	
2	5356.0170	5.70	37.76	43.46	54.00	-10.54	AVG	
3	5470.0000	22.09	38.15	60.24	68.20	-7.96	Peak	
4 *	5580.9480	63.84	38.32	102.16	68.20	33.96	Peak	
5	5580.9480	56.57	38.32	94.89	999.00	-904.11	AVG	

REMARKS:

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

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

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

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11160.0000	47.91	2.04	49.95	74.00	-24.05	Peak	

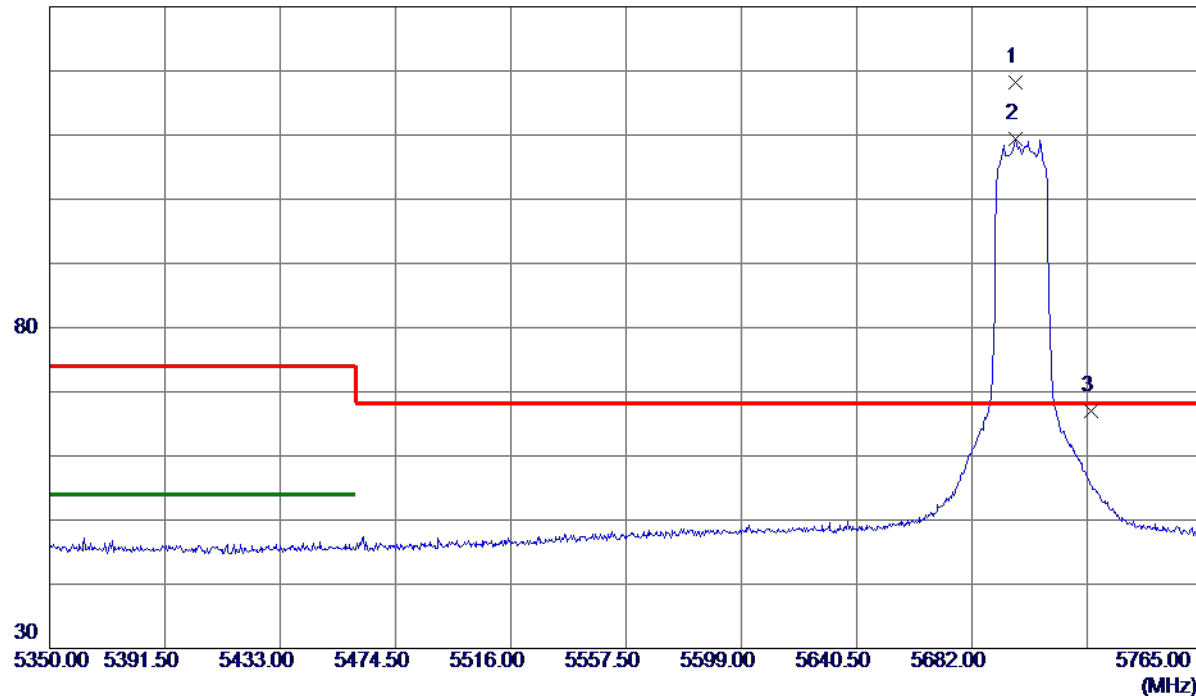
REMARKS:

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

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

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5697.7700	79.73	38.40	118.13	68.20	49.93	Peak	
2	5697.7700	70.96	38.40	109.36	999.00	-889.64	AVG	
3	5725.0000	28.54	38.50	67.04	68.20	-1.16	Peak	

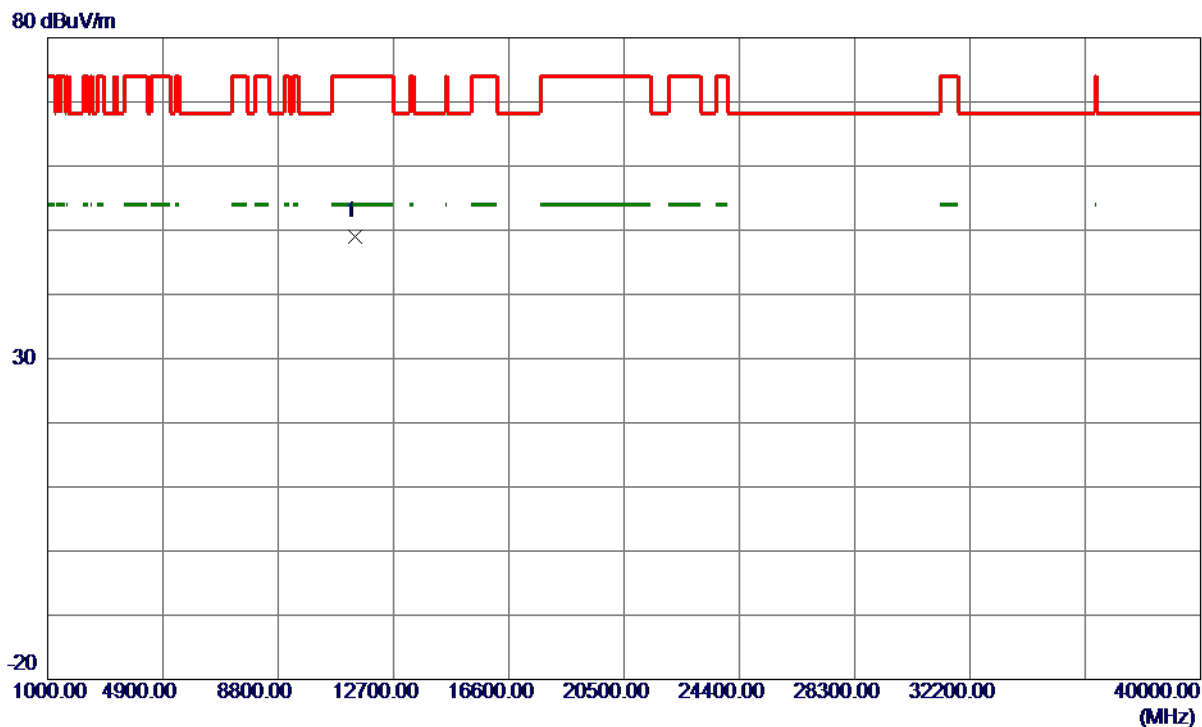
REMARKS:

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

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

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

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11400.0000	46.88	2.13	49.01	74.00	-24.99	Peak	

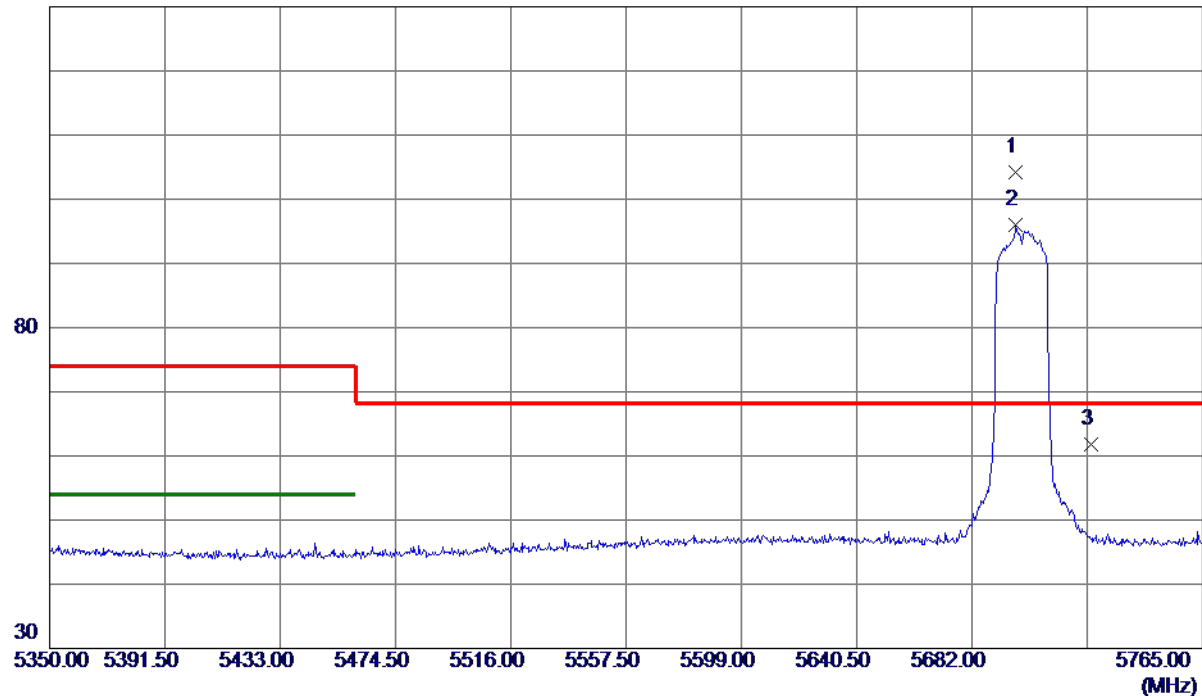
REMARKS:

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

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

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5697.7700	65.71	38.40	104.11	68.20	35.91	Peak	
2	5697.7700	57.69	38.40	96.09	999.00	-902.91	AVG	
3	5725.0000	23.39	38.50	61.89	68.20	-6.31	Peak	

REMARKS:

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

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