

# TEST REPORT

**Application No.:** SHCR2307001452AT  
**FCC ID:** 2AH25T6810  
**IC:** 22621-T6810  
**Applicant:** Shanghai Sunmi Technology Co.,Ltd.  
**Address of Applicant:** Room 505, No.388, Song Hu Road, Yang Pu District, Shanghai, China  
**Manufacturer:** Shanghai Sunmi Technology Co.,Ltd.  
**Address of Manufacturer:** Room 505, No.388, Song Hu Road, Yang Pu District, Shanghai, China  
**Equipment Under Test (EUT):**  
**EUT Name:** Smart POS system  
**Model No.:** T6810  
**HVIN:** T6810, T6810H, T6810M  
**Trade Mark:** SUNMI  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
RSS-247 Issue 2, February 2017  
RSS-Gen Issue 5 Amendment 2 (February 2021)  
**Date of Receipt:** 2023-06-07  
**Date of Test:** 2023-06-26 to 2023-07-01  
**Date of Issue:** 2023-07-03

<b>Test Result:</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.

Parlan Zhan

Parlan Zhan  
Laboratory Manager



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Revision Record			
Version	Description	Date	Remark
00	Add new configuration SKU3.	2023-07-03	Based on KSCR221000185704

Authorized for issue by:			
			
		Micheal Niu / Project Engineer	
			
		Parlam Zhan / Reviewer	



## 2 Test Summary

Radio Spectrum Matter Part				
Item	FCC Requirement	IC Requirement	Method	Result
Radiated Emissions (Above 1GHz)	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass
Radiated Emissions (Below 1GHz)	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass

**Remark:**

Compared with the original report, this report added new configuration SKU3. Compared with SKU1, SKU3 removed code scanning probe, also added one alternative screen and battery. Considering the differences, only test Radiated Emissions (Above 1GHz), Radiated Emissions which fall in the restricted bands, Radiated Emissions (Below 1GHz) in this report, other test data please refer to original report.

Note: SKU1: T6810H, SKU2: T6810, SKU3: T6810M



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply:	DC 5V 1A; DC 5V 2A
Adapter information:	Adapter 1: Model: TPA-46B050100UU Input: 100-240V~ 50/60Hz 0.2A Output: 5.0V 1.0A Adapter 2: Model: TPA-23A050200UU01 Input: 100-240V~ 50/60Hz 0.3A Output: 5.0V 2.0A Adapter 3: Model No.: UC11US PRI: 100-240V~50/60Hz 0.2A SEC: 5.0V 1.0A 5.0W
Battery information:	Model 1: TMPA 1ICP6/59/63 Nominal Voltage: 3.8V Limited Charge Voltage: 4.35V Rated Capacity: 2900mAh Model 2: TMPC 1ICP6/59/63 Nominal Voltage: 3.8V Limited Charge Voltage: 4.35V Rated Capacity: 2900mAh
Operation Frequency (20MHz):	U-NII-1: 5180-5240MHz U-NII-3: 5745-5825MHz
Operation Frequency (40MHz):	U-NII-1: 5190-5230MHz U-NII-3: 5755-5795MHz
Operation Frequency (80MHz):	U-NII-1: 5210MHz U-NII-3: 5775MHz
Modulation Type:	802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Data Rate:	802.11a: 6/9/12/18/24/36/48/54 Mbps 802.11n: MCS0~7 802.11ac: MCS0~9
Channel Spacing:	802.11a/n(HT20)/ac(HT20): 20MHz; 802.11n(HT40)/ac(HT40): 40MHz 802.11ac(HT80): 80MHz
DFS Function:	Without DFS function
TPC Function:	Without TPC function
Antenna Type:	FPC Antenna
Antenna Gain:	-0.6dBi (Provided by the manufacturer)
SN:	PC10E35P10028
Firmware version:	V1.0.0



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### 4.2 Power level setting using in test

Channel	802.11a	802.11n(HT20)	802.11ac(VHT20)
	Ant 1	Ant 1	Ant 1
36	16	16	15
40	16	16	15
48	16	16	15
149	16	16	15
157	16	16	15
165	16	16	15
Channel	802.11n(HT40)	802.11ac(HT40)	
	Ant 1	Ant 1	
38	16	15	
46	16	15	
151	16	15	
159	16	15	
Channel	802.11ac(VHT80)		
	Ant 1		
42	15		
155	15		

### 4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--

The EUT has been tested as an independent unit.



#### 4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$8.4 \times 10^{-8}$
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	RF Radiated Power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
9	Radiated Spurious Emission Test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



#### 4.5 Test Location

All tests were performed at:

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No tests were sub-contracted.

Note:

1. SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
2. SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

#### 4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• **A2LA (Certificate No. 6332.01)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the American Association for Laboratory Accreditation(A2LA).

• **FCC (Designation Number: CN1301)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

• **ISED (CAB Identifier: CN0020)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. EMC Laboratory has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 8617A

• **VCCI (Member No.: 3061)**

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#### 4.7 Deviation from Standards

None

#### 4.8 Abnormalities from Standard Conditions

None



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## 5 Equipment List

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
<b>RF Conducted Test</b>					
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2022-12-20	2023-12-19
Spectrum Analyzer	Keysight	N9020B	SHEM241-1	2022-12-20	2023-12-19
Spectrum Analyzer	Agilent	N9020A	SHEM181-1	2022-08-02	2023-08-01
Signal Generator	R&S	SMR20	SHEM006-1	2022-08-02	2023-08-01
Signal Generator	Agilent	N5182A	SHEM182-1	2022-08-02	2023-08-01
Communication Tester	R&S	CMW270	SHEM183-1	2023-06-01	2024-05-31
Communication Tester	R&S	CMW500	SHEM268-1	2023-06-01	2024-05-31
Power Sensor	Keysight	U2021XA * 4	SHEM184-1	2022-08-02	2023-08-01
Splitter	Anritsu	MA1612A	SHEM185-1	/	/
Coupler	e-meca	803-S-1	SHEM186-1	/	/
High-low Temp Cabinet	Suzhou Zhihe	TL-40	SHEM087-1	2022-11-08	2024-11-07
AC Power Stabilizer	APC	KDF-31020T-V0-F0	SHEM216-1	2022-12-20	2023-12-19
DC Power Supply	MCH	MCH-303A	SHEM210-1	2022-12-20	2023-12-19
Conducted test Cable	/	RF01~RF04	/	2022-12-20	2023-12-19
Switcher	Tonscend	JS0806	SHEM184-1	2022-08-02	2023-08-01
Test software	Tonscend	JS Tonscend BT/WIFI System	Version: 2.6	/	/
Coaxial Cable	TST		SHEM263-1	2022-08-02	2023-08-01
Test software	TST	TST PASS	Version: 2.0	/	/
<b>RF Radiated Test</b>					
EMI test Receiver	R&S	ESU40	SHEM051-1	2022-12-20	2023-12-19
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2022-12-20	2023-12-19
Communication Tester	R&S	CMW500	SHEM268-1	2023-06-01	2024-05-31
Loop Antenna (9kHz-30MHz)	Schwarzbeck	FMZB1519	SHEM135-1	2022-12-20	2023-12-19
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM048-1	2021-09-11	2023-09-10
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM202-1	2022-05-07	2024-05-06
Horn Antenna (1-18GHz)	Schwarzbeck	HF906	SHEM009-1	2022-08-11	2024-08-10
Horn Antenna (1-18GHz)	Schwarzbeck	BBHA9120D	SHEM050-1	2021-09-18	2023-09-17
Horn Antenna (14-40GHz)	Schwarzbeck	BBHA 9170	SHEM049-1	2021-09-18	2023-09-17
Pre-Amplifier	HP	8447D	SHEM236-1	2022-08-02	2023-08-01
High-amplifier (14-40GHz)	Schwarzbeck	10001	SHEM049-2	2022-12-20	2023-12-19
Band Filter	LORCH	9BRX-875/X150	SHEM156-1	/	/
Band Filter	LORCH	13BRX-1950/X500	SHEM083-2	/	/
Band Filter	LORCH	5BRX-2400/X200	SHEM155-1	/	/
Band Filter	LORCH	5BRX-5500/X1000	SHEM157-2	/	/
High pass Filter	Wainwright	WHK3.0/18G	SHEM157-1	/	/
High pass Filter	Wainwright	WHKS1700	SHEM157-3	/	/
Semi/Fully Anechoic	ST	11*6*6M	SHEM078-2	2021-05-25	2024-05-24
RE test Cable	/	RE01, RE02, RE06	/	2023-01-07	2024-01-06
Test software	FARAD	EZ EMC	1.1.4.2	/	/



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## 6 Radio Spectrum Matter Test Results

### 6.1 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	500	3
<p>*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.</p> <p>(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.</p> <p>(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.</p> <p>(4) For transmitters operating in the 5.725-5.85 GHz band:</p> <p>(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</p> <p>Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.</p>		

#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1010 mbar

#### 6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n20,n40,ac20,ac40,ac80, Only the data of worst case is recorded in the report.



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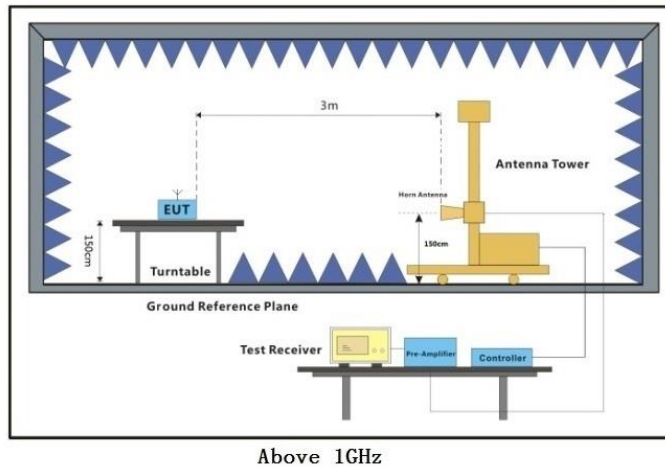
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Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n20,n40,ac20,ac40,ac80, Only the data of worst case is recorded in the report.
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### 6.1.3 Test Setup Diagram



## 6.1.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. 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 from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
- 6: We have evaluated different adapters and battery modes. The battery mode is the worst, and only the battery mode is tested finally.



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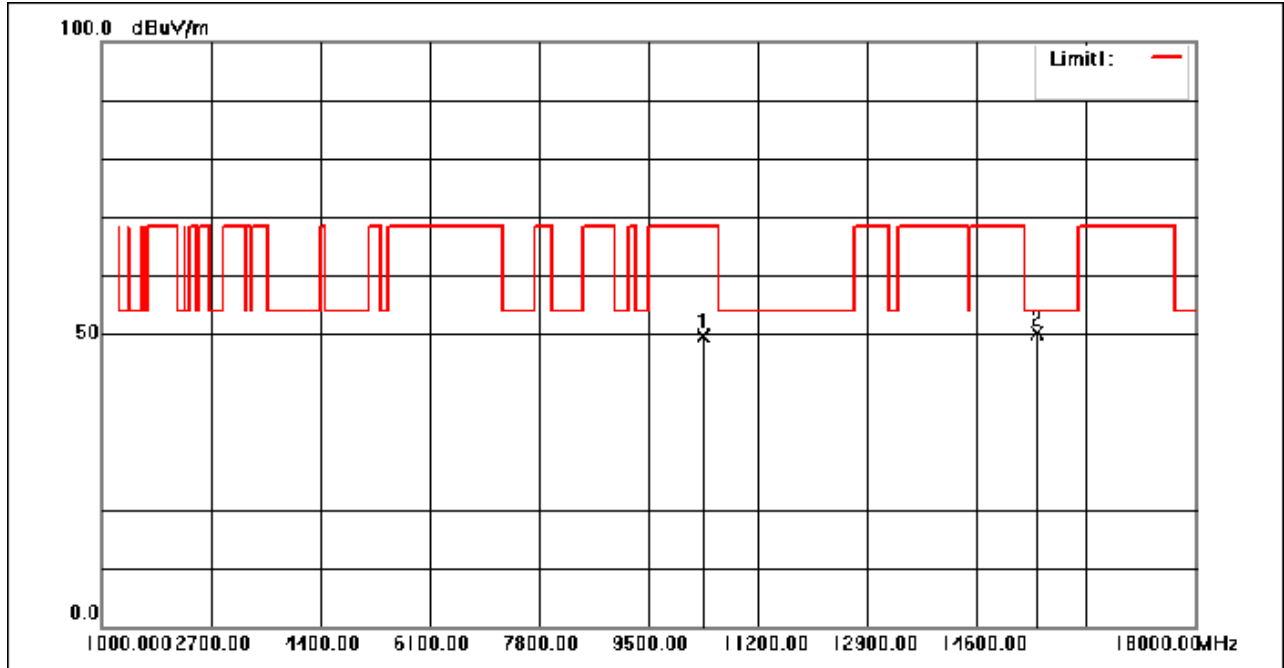
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

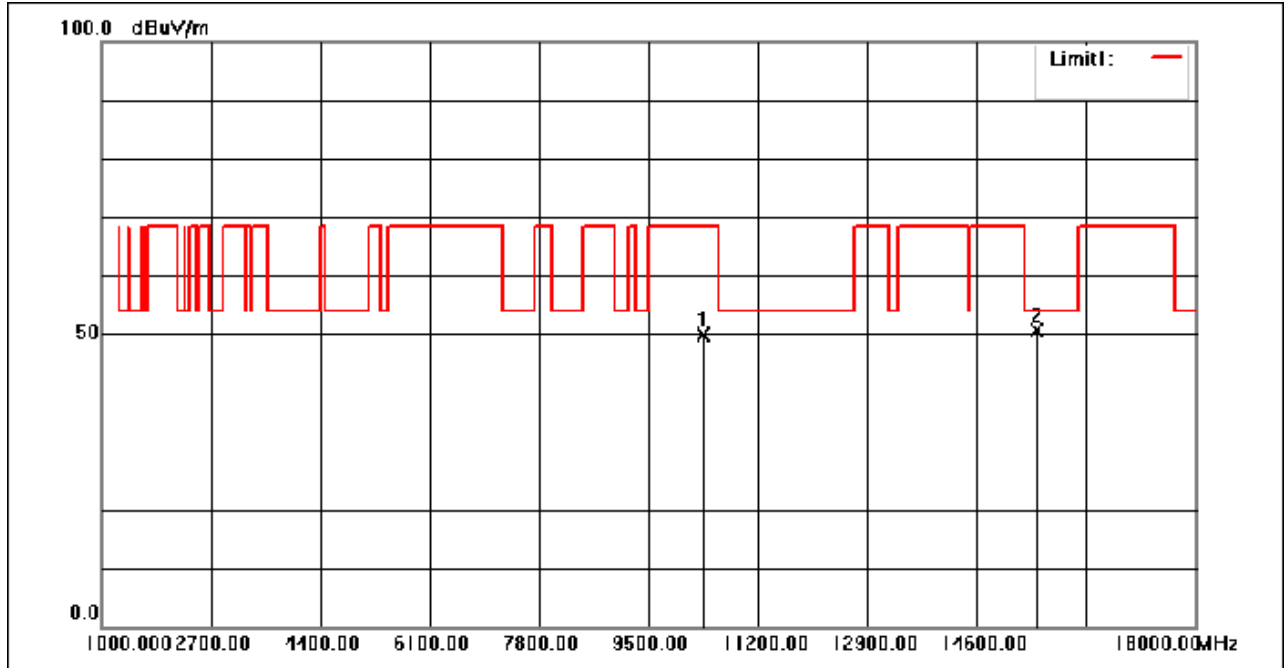


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	49.58	0.16	49.74	68.30	-18.56	peak
2	15540.000	44.36	5.73	50.09	54.00	-3.91	peak





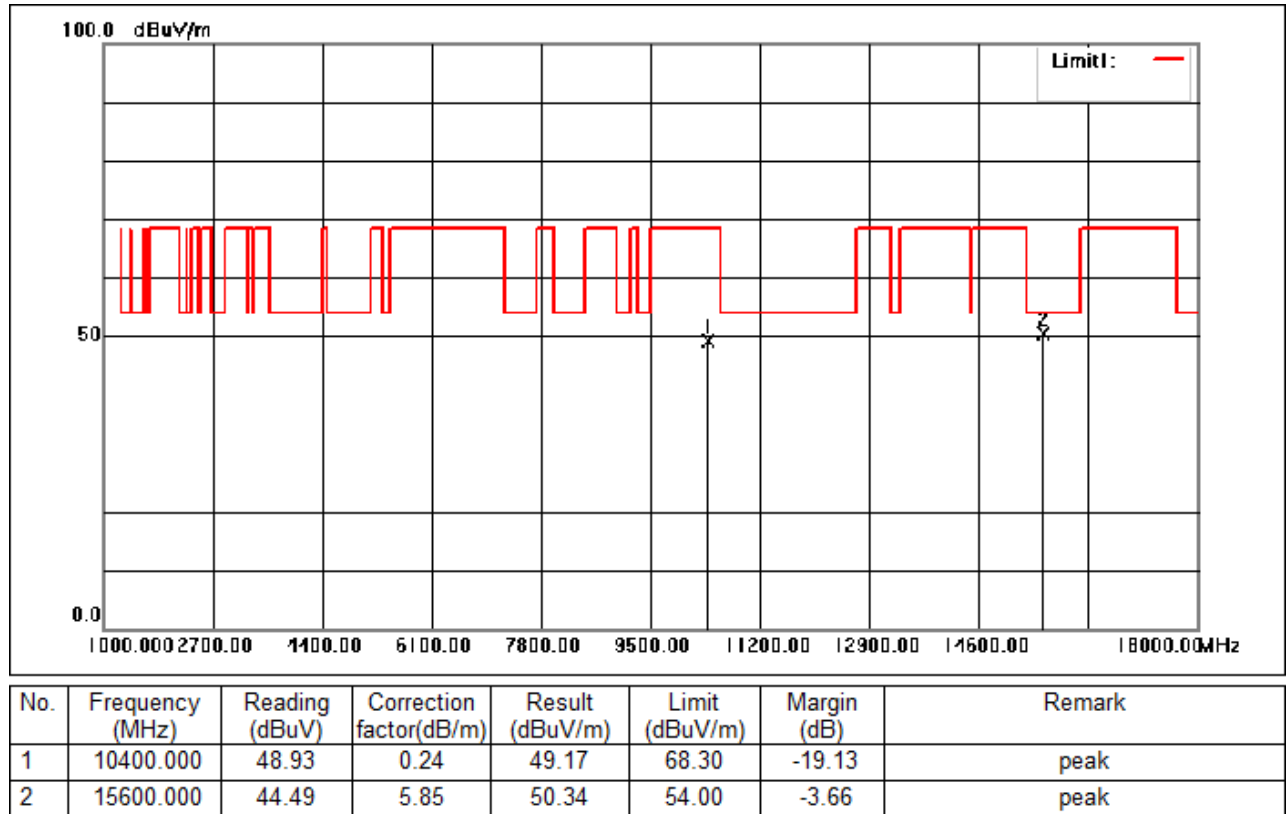
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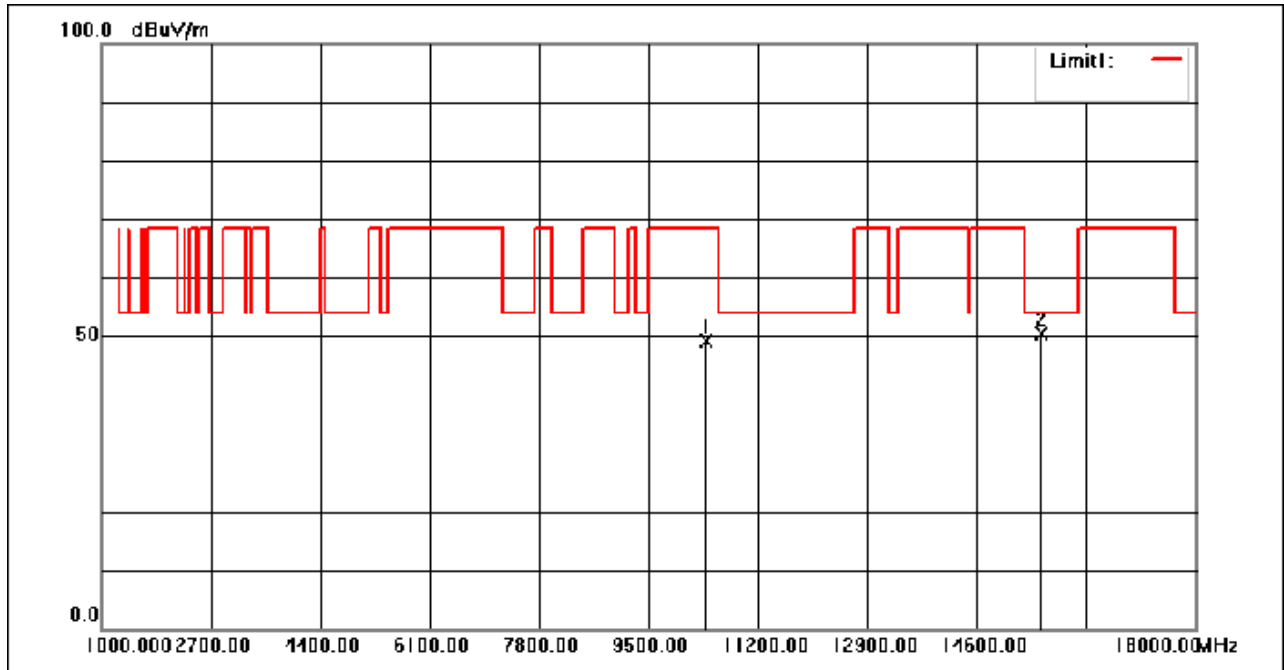
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	49.67	0.16	49.83	68.30	-18.47	peak
2	15540.000	44.88	5.73	50.61	54.00	-3.39	peak



Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



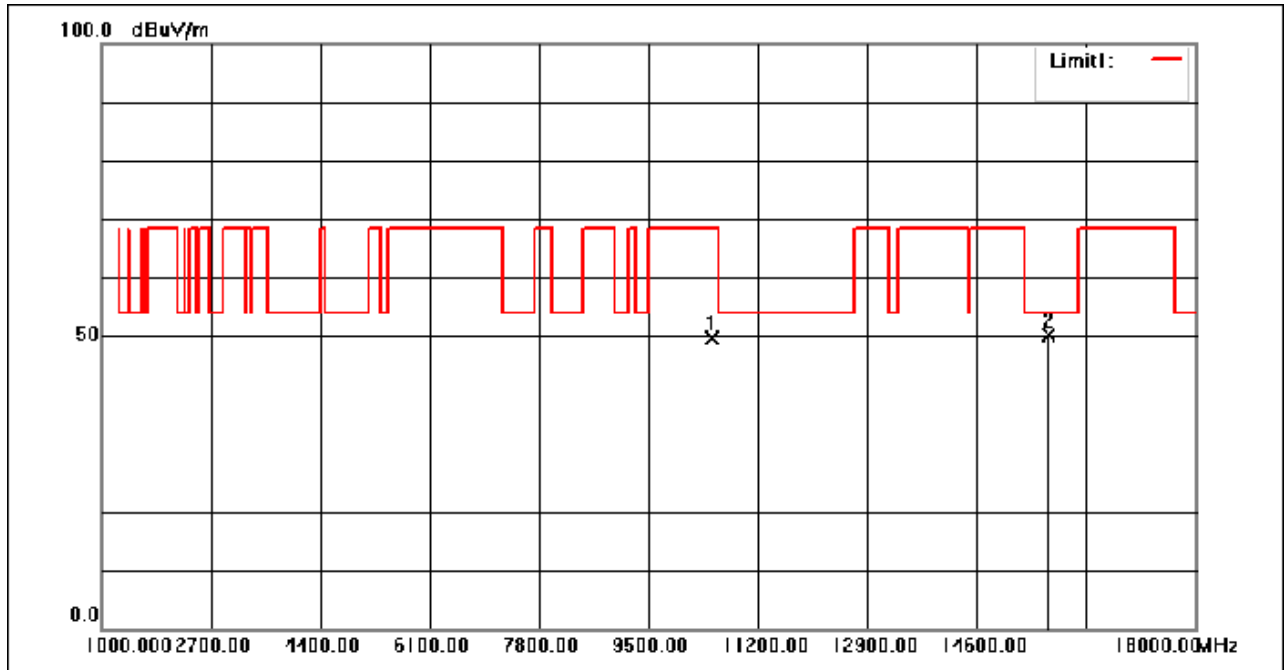
Test Mode: 05; Polarity: Vertical; Modulation: 802.11a; Bandwidth: 20MHz; Channel: middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	48.96	0.24	49.20	68.30	-19.10	peak
2	15600.000	44.54	5.85	50.39	54.00	-3.61	peak



Test Mode: 05; Polarity: Horizontal; Modulation: 802.11a; Bandwidth: 20MHz; Channel: High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	49.34	0.40	49.74	68.30	-18.56	peak
2	15720.000	44.09	6.10	50.19	54.00	-3.81	peak



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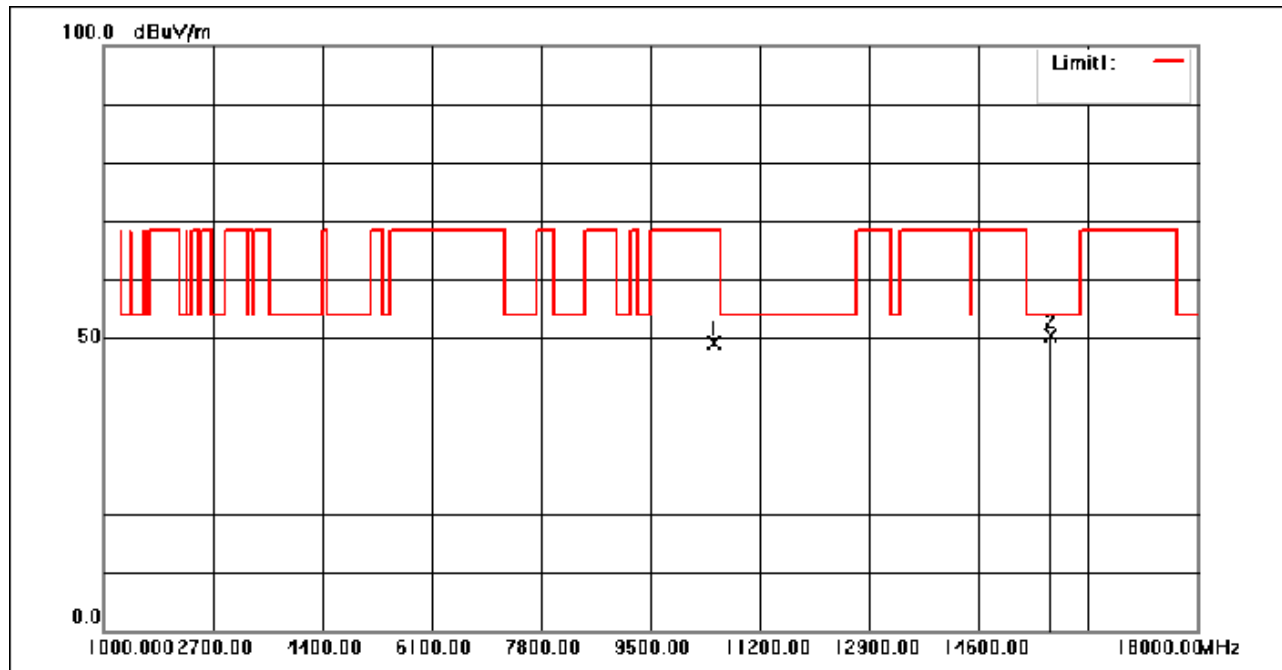
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

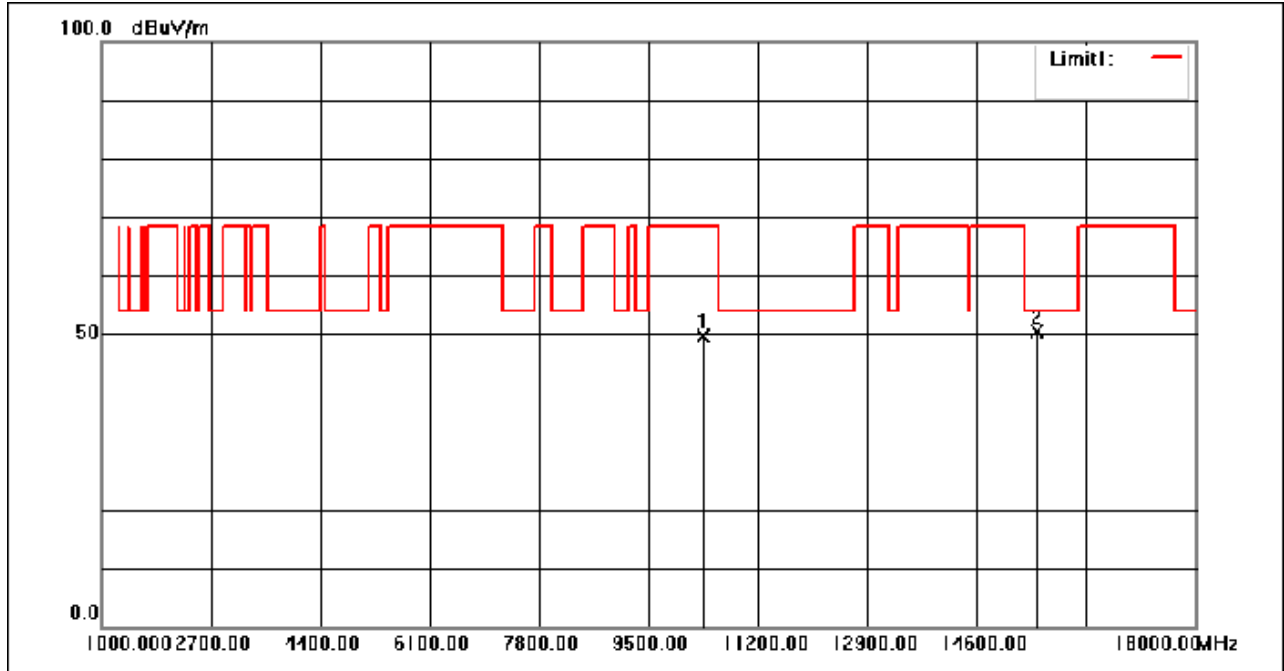


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	48.71	0.40	49.11	68.30	-19.19	peak
2	15720.000	44.38	6.10	50.48	54.00	-3.52	peak





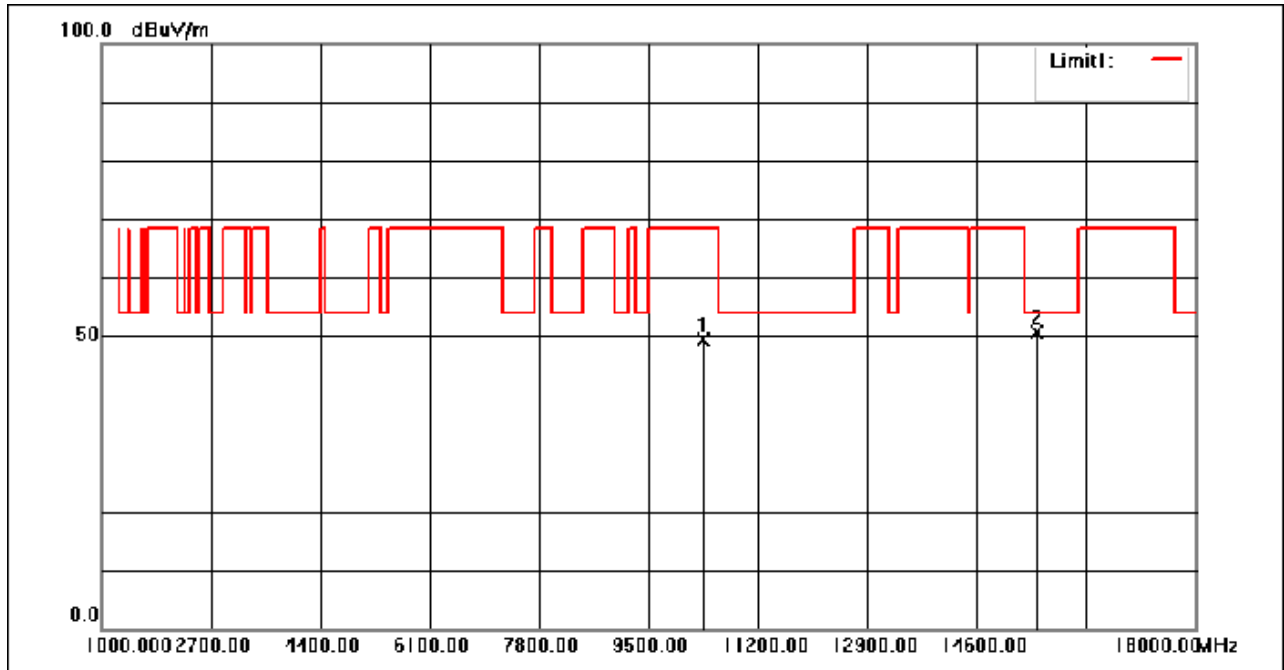
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	49.37	0.16	49.53	68.30	-18.77	peak
2	15540.000	44.57	5.73	50.30	54.00	-3.70	peak



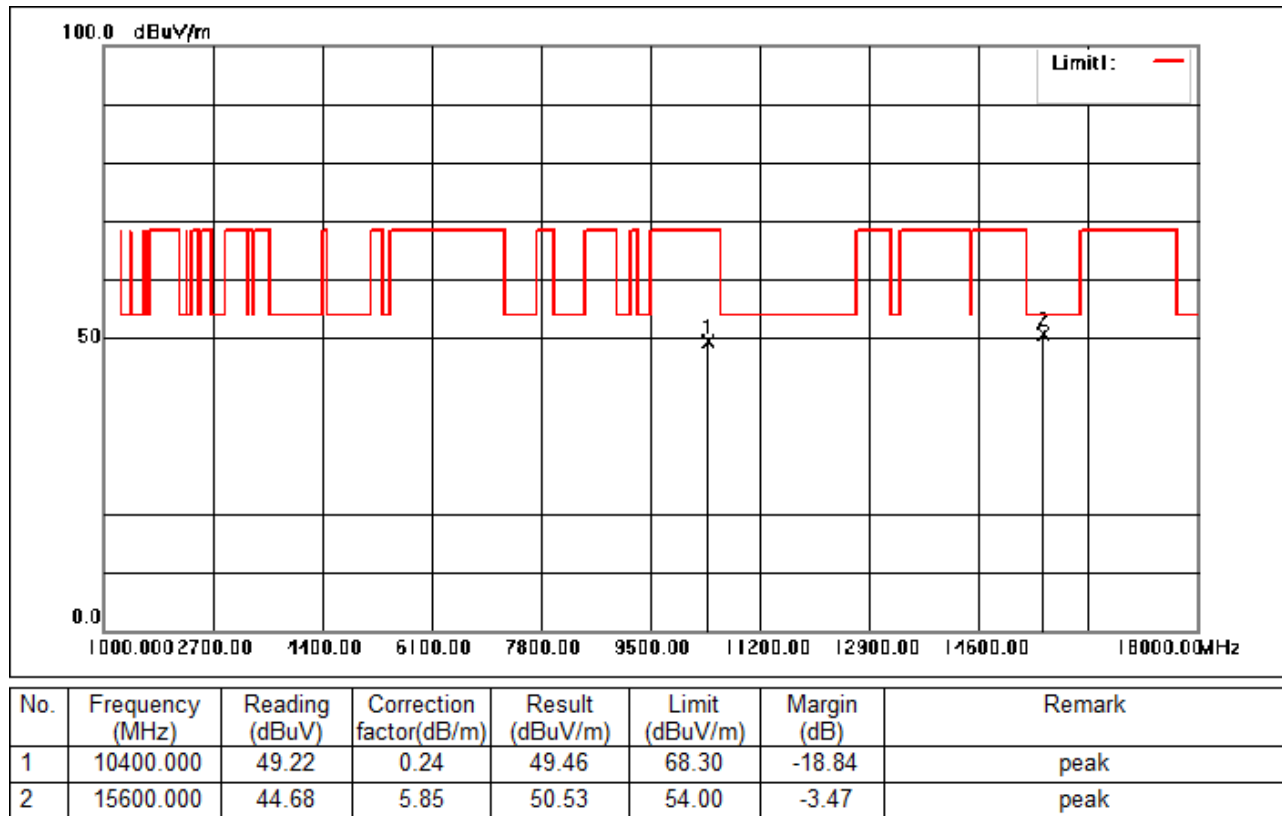
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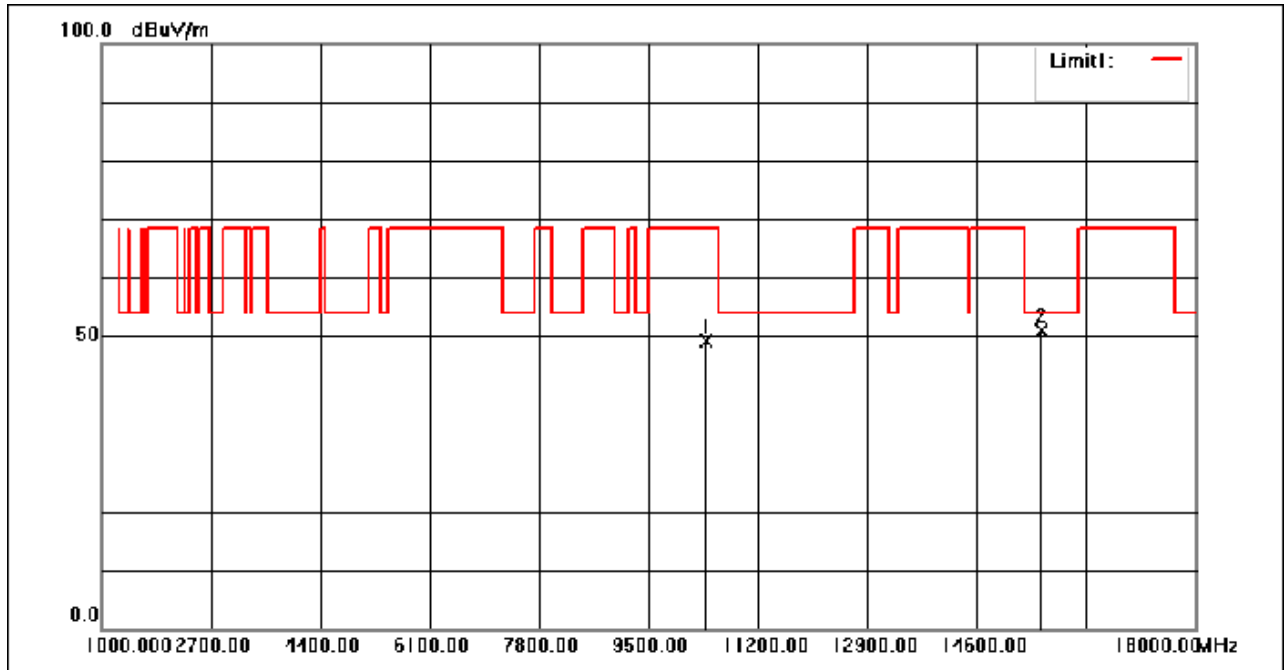
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	49.11	0.16	49.27	68.30	-19.03	peak
2	15540.000	44.94	5.73	50.67	54.00	-3.33	peak



Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



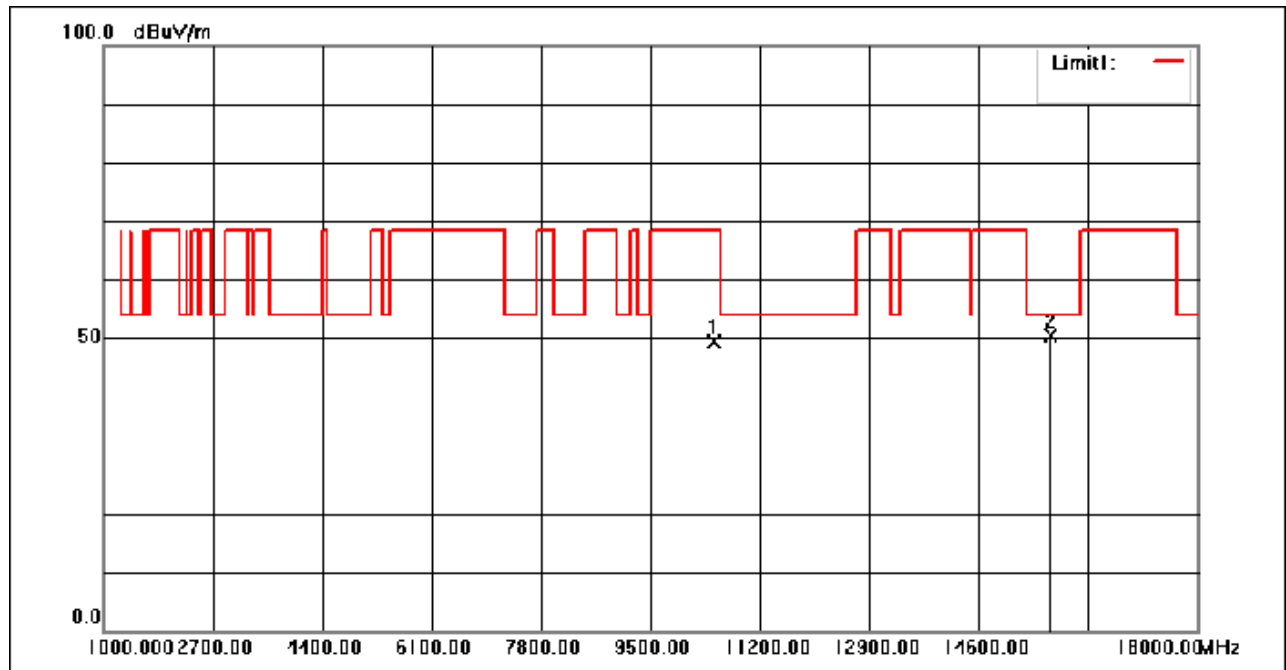
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	48.83	0.24	49.07	68.30	-19.23	peak
2	15600.000	44.92	5.85	50.77	54.00	-3.23	peak



Test Mode: 05; Polarity: Horizontal; Modulation: 802.11n; Bandwidth: 20MHz; Channel: High

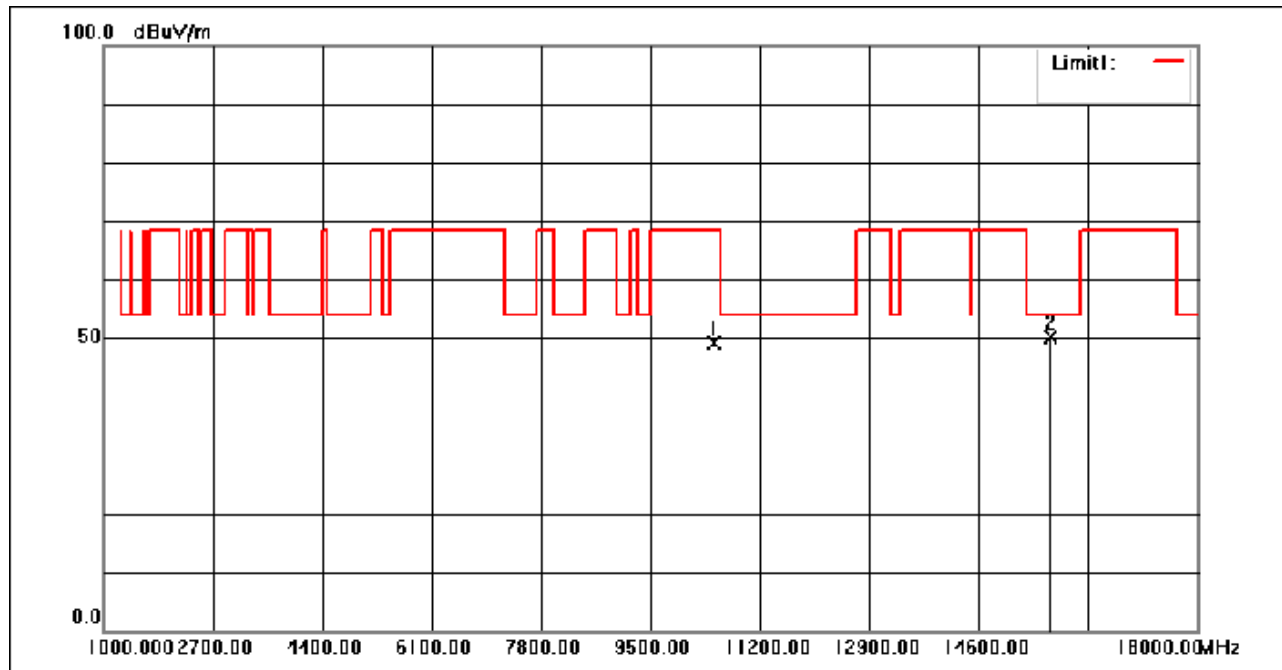


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	48.92	0.40	49.32	68.30	-18.98	peak
2	15720.000	44.35	6.10	50.45	54.00	-3.55	peak





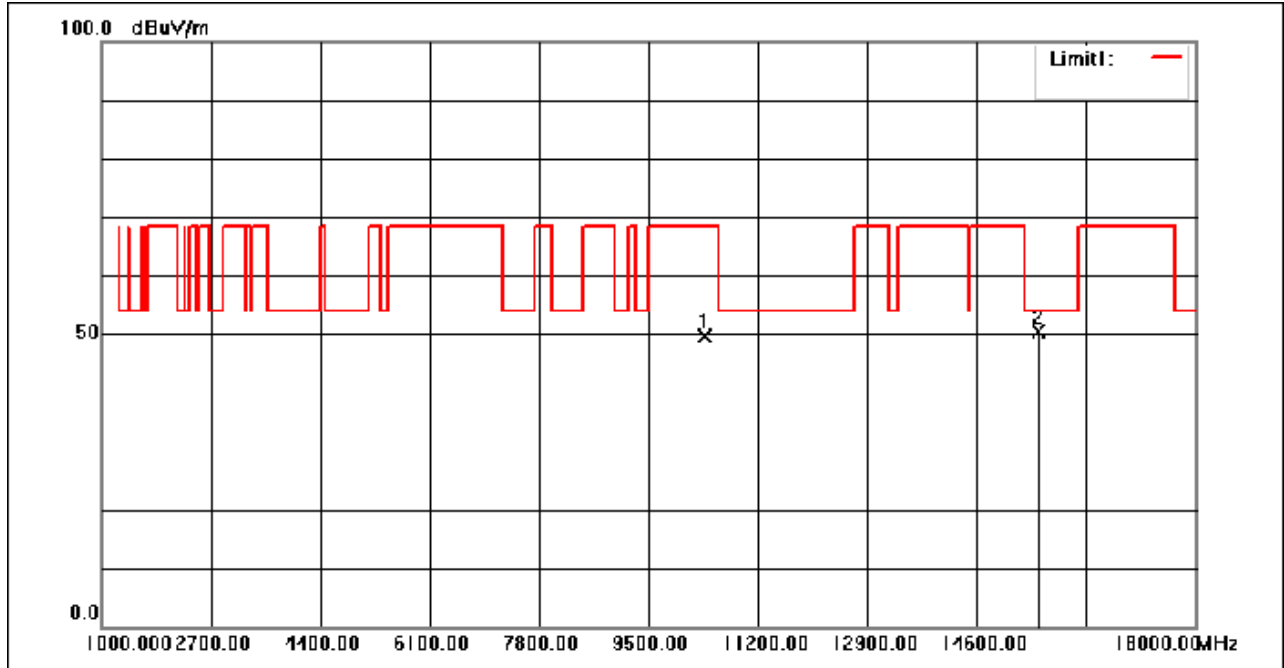
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	48.69	0.40	49.09	68.30	-19.21	peak
2	15720.000	44.08	6.10	50.18	54.00	-3.82	peak



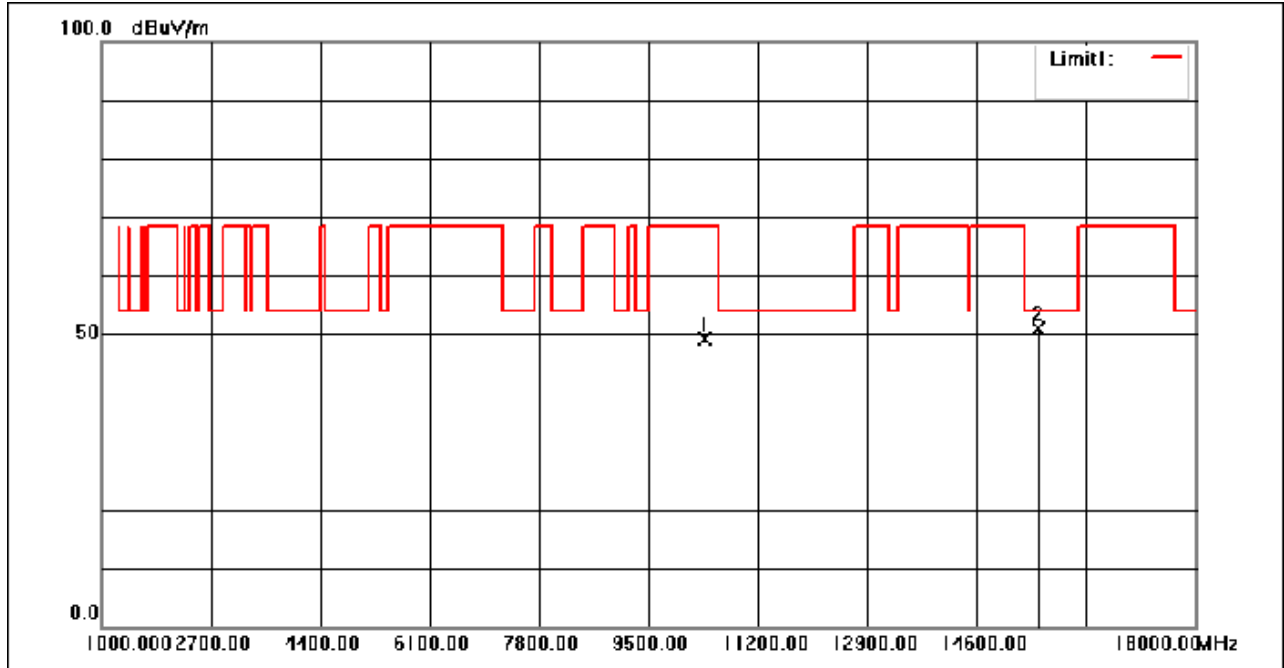
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	49.41	0.20	49.61	68.30	-18.69	peak
2	15570.000	44.70	5.79	50.49	54.00	-3.51	peak



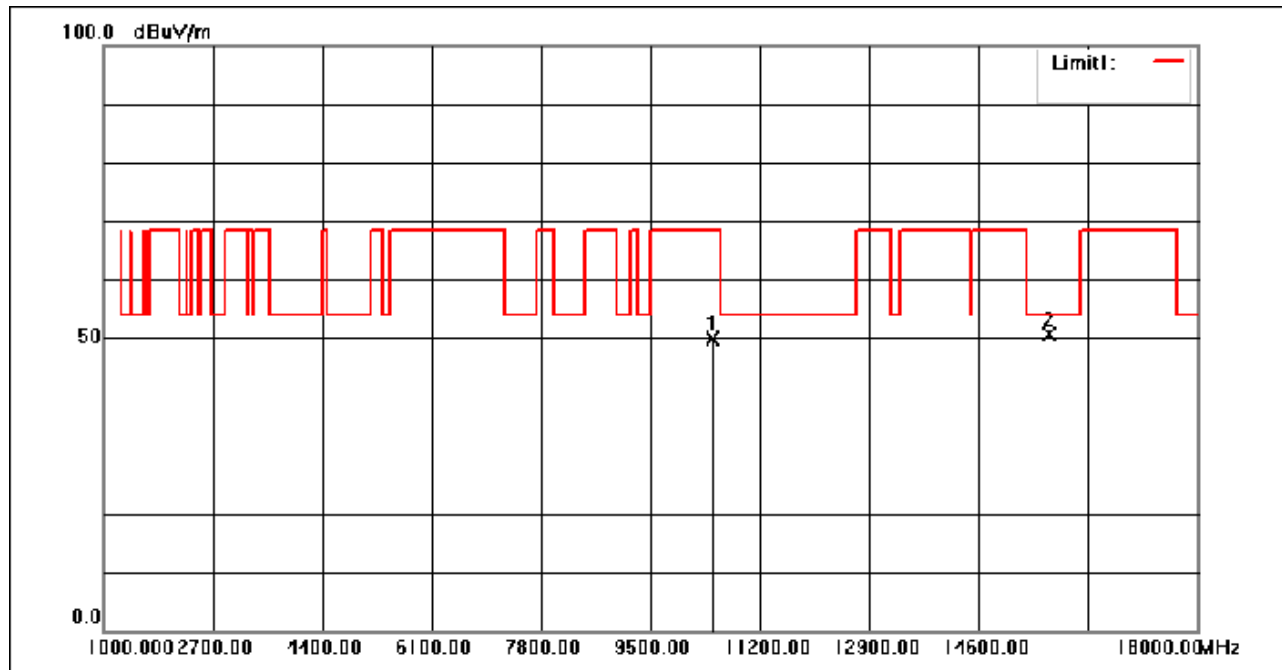
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	49.02	0.20	49.22	68.30	-19.08	peak
2	15570.000	45.04	5.79	50.83	54.00	-3.17	peak



Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	49.45	0.36	49.81	68.30	-18.49	peak
2	15690.000	44.61	6.04	50.65	54.00	-3.35	peak



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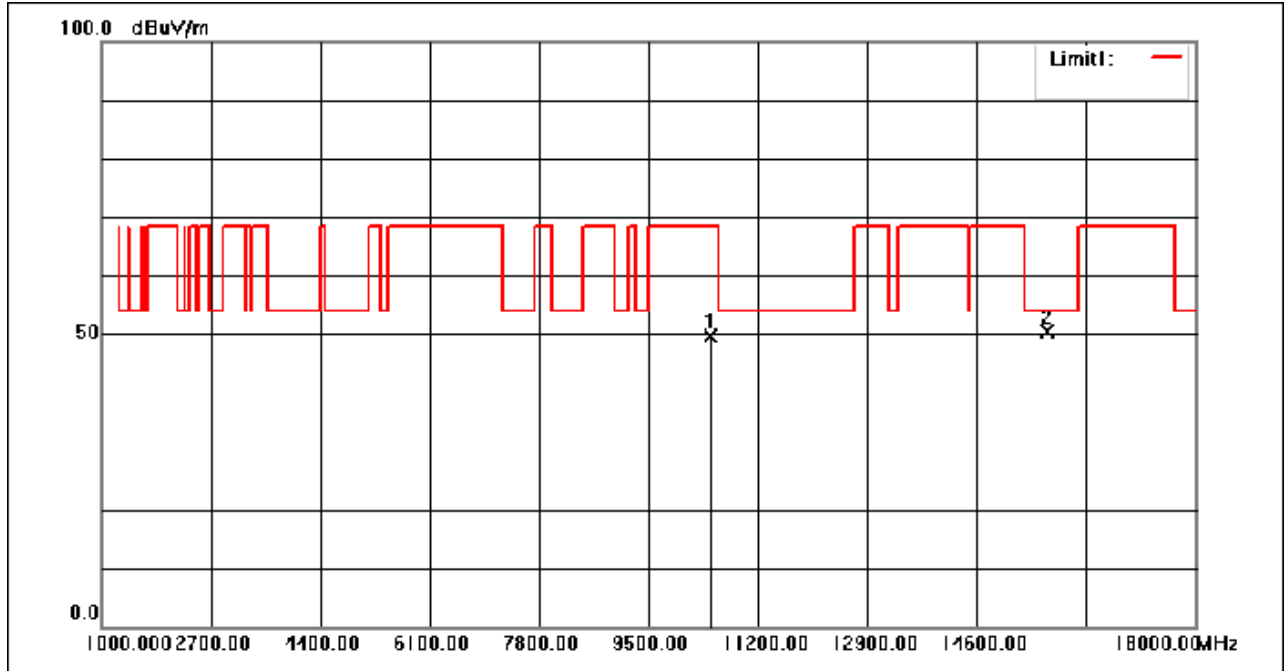
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

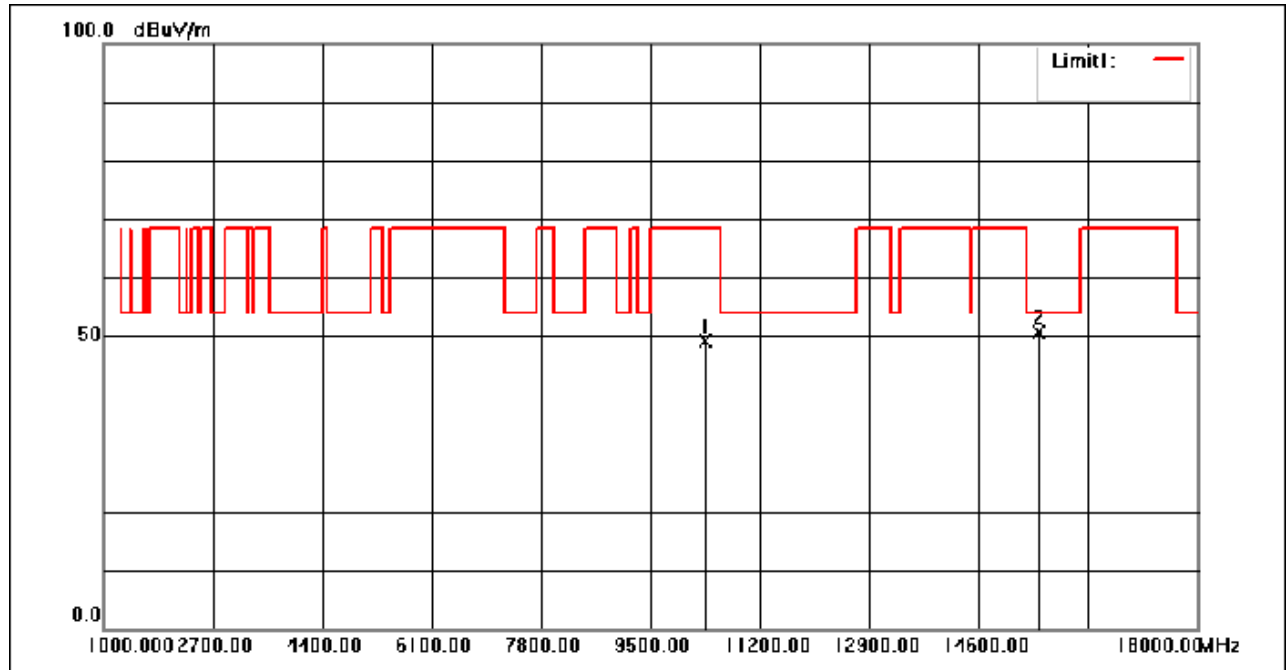


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	49.37	0.36	49.73	68.30	-18.57	peak
2	15690.000	44.24	6.04	50.28	54.00	-3.72	peak





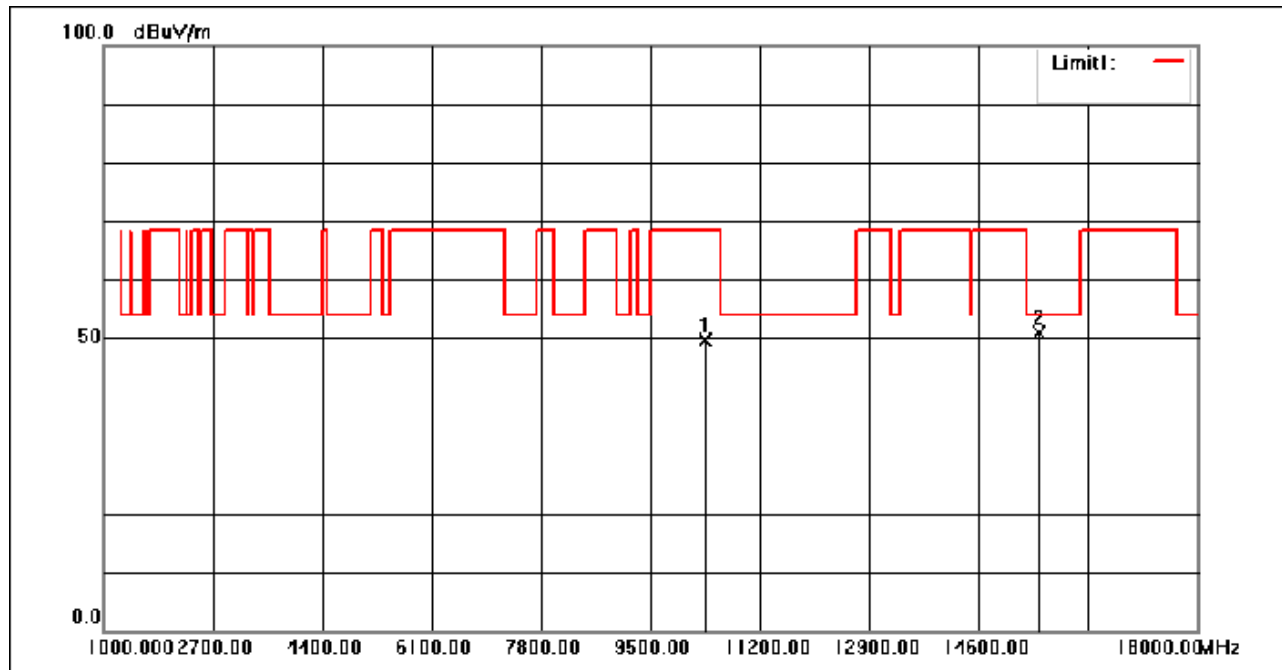
Test Mode: 05; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	48.93	0.16	49.09	68.30	-19.21	peak
2	15540.000	44.84	5.73	50.57	54.00	-3.43	peak



Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	49.50	0.16	49.66	68.30	-18.64	peak
2	15540.000	45.22	5.73	50.95	54.00	-3.05	peak



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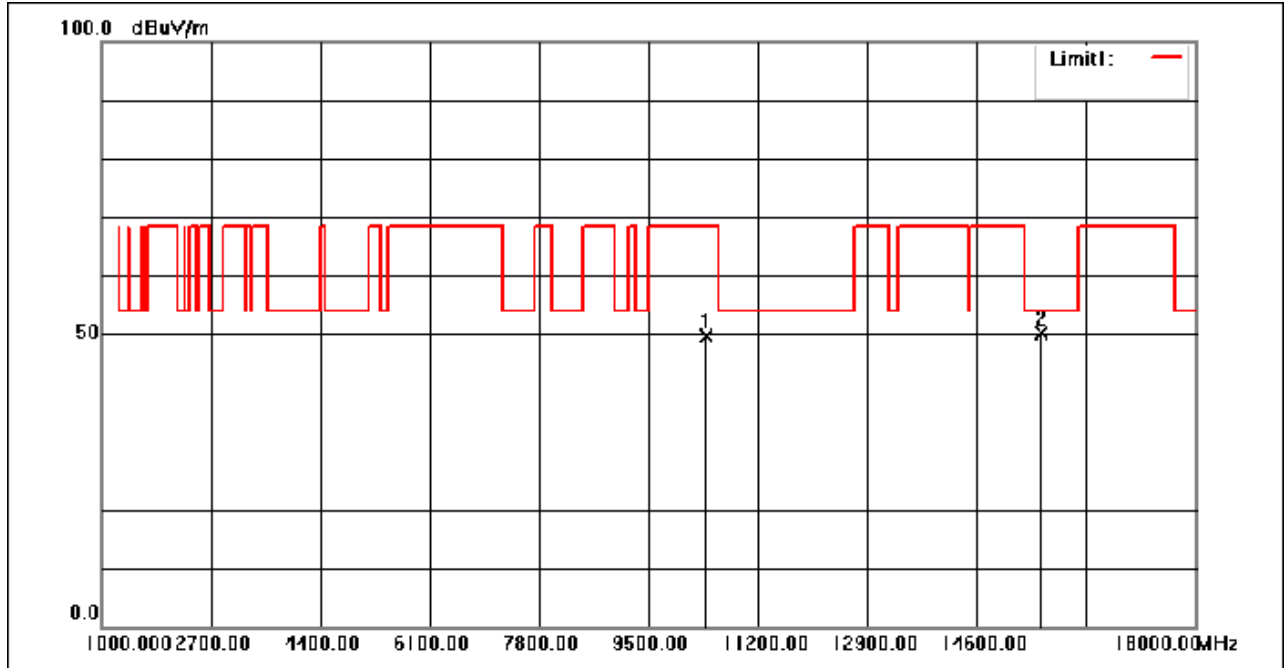
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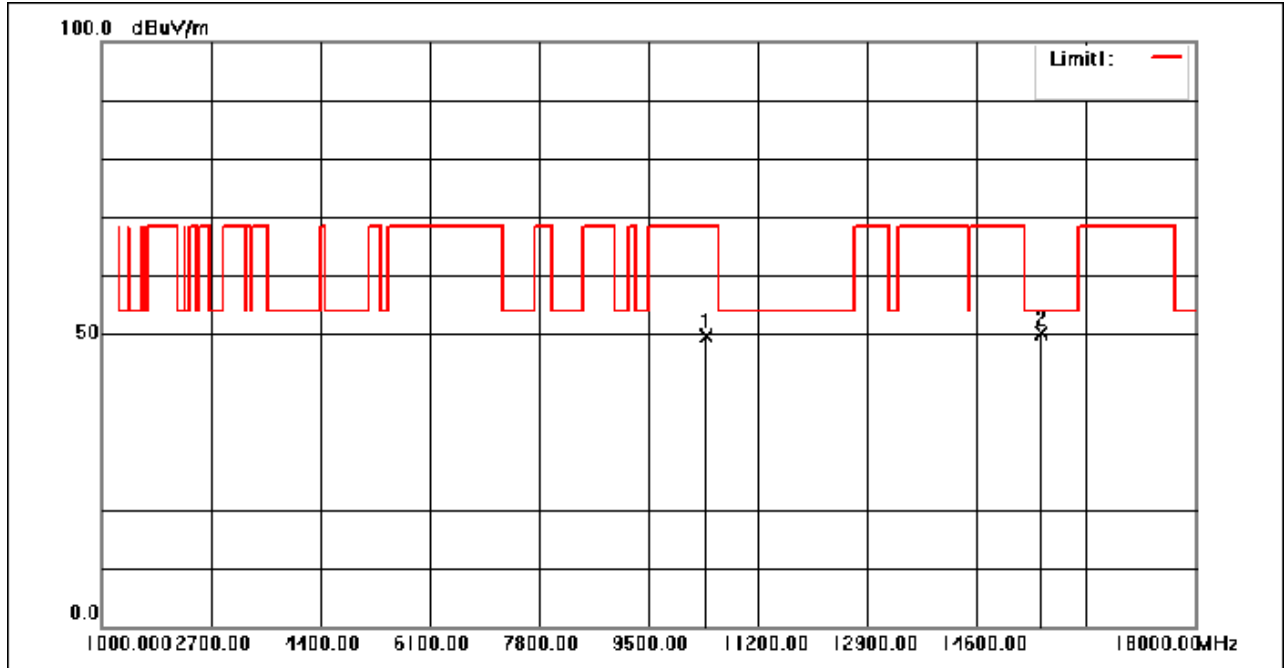
Test Mode: 05; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	49.37	0.24	49.61	68.30	-18.69	peak
2	15600.000	44.25	5.85	50.10	54.00	-3.90	peak



Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	49.44	0.24	49.68	68.30	-18.62	peak
2	15600.000	44.34	5.85	50.19	54.00	-3.81	peak



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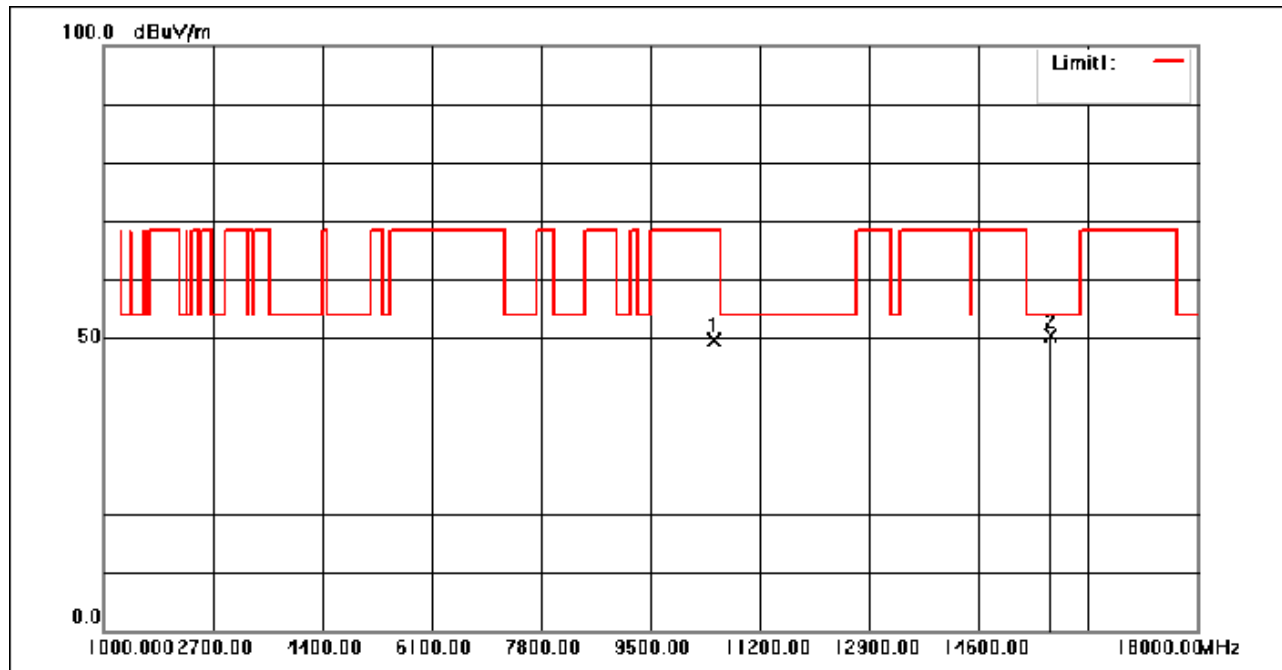
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Test Mode: 05; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: High

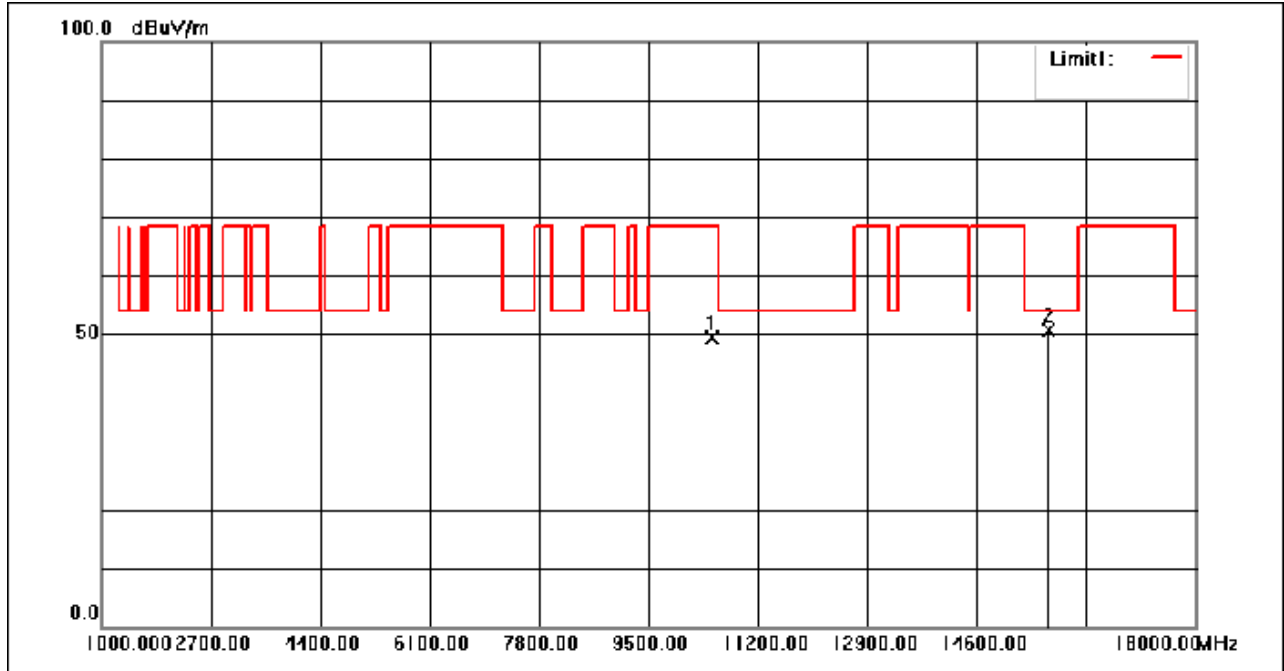


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	49.24	0.40	49.64	68.30	-18.66	peak
2	15720.000	44.20	6.10	50.30	54.00	-3.70	peak





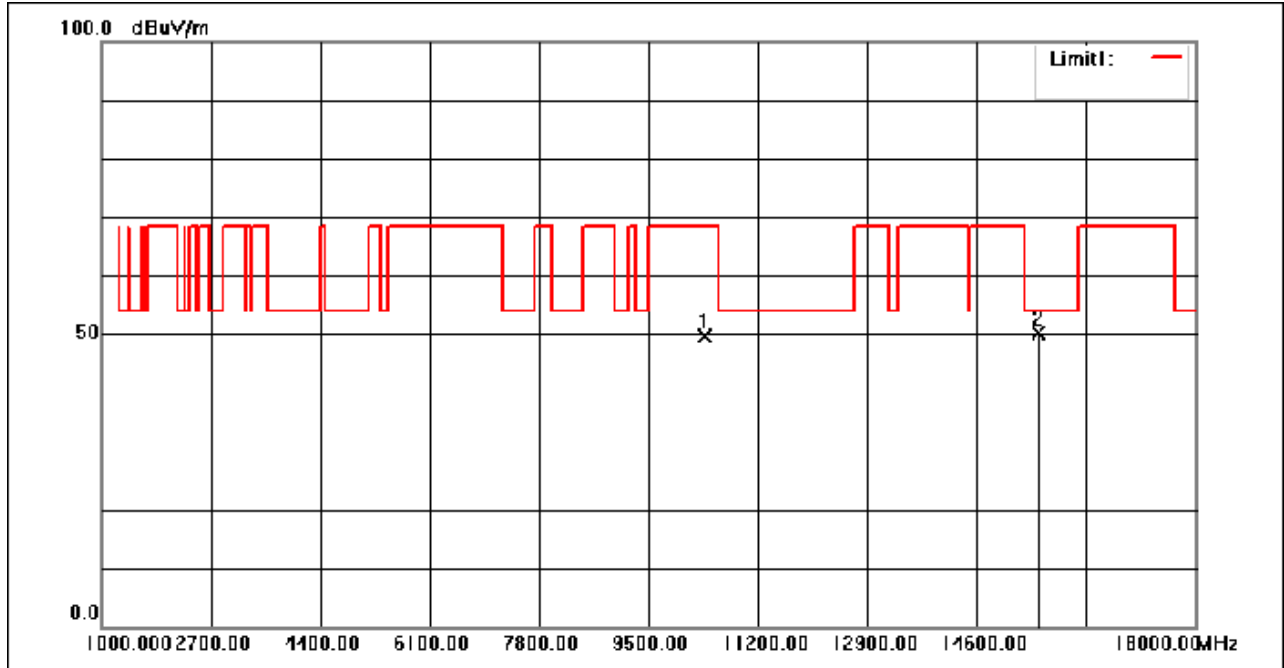
Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	48.96	0.40	49.36	68.30	-18.94	peak
2	15720.000	44.54	6.10	50.64	54.00	-3.36	peak



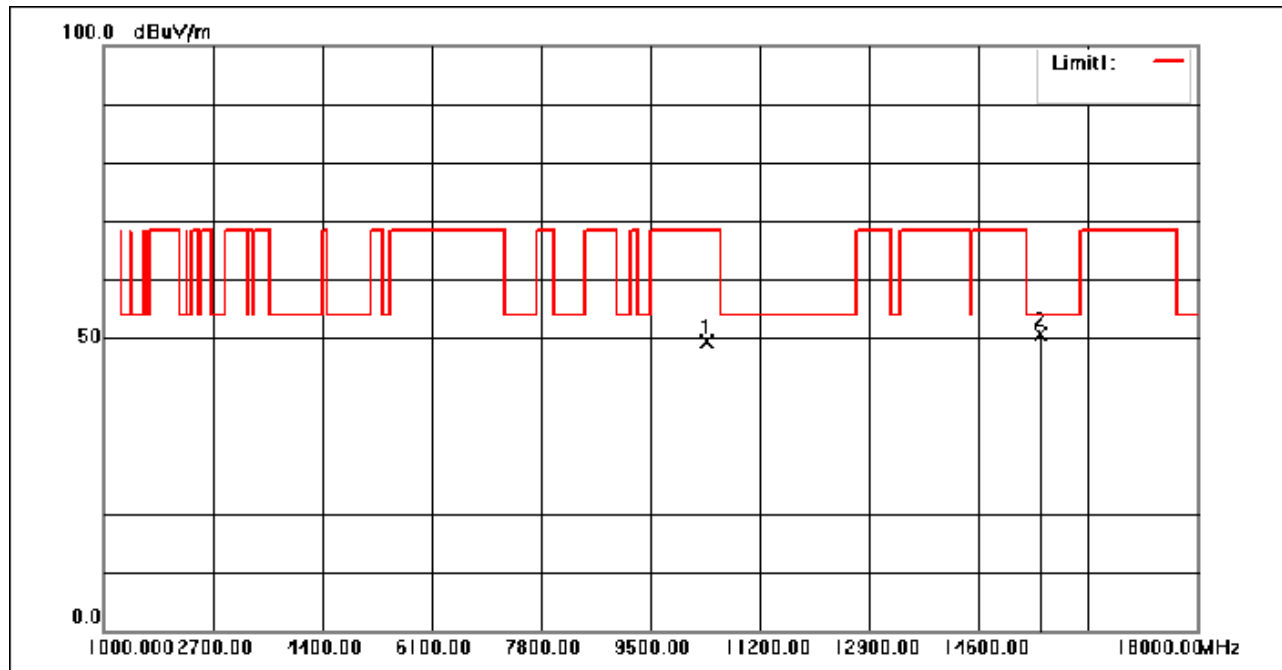
Test Mode: 05; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 40MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	49.54	0.20	49.74	68.30	-18.56	peak
2	15570.000	44.22	5.79	50.01	54.00	-3.99	peak



Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10380.000	49.20	0.20	49.40	68.30	-18.90	peak
2	15570.000	44.85	5.79	50.64	54.00	-3.36	peak



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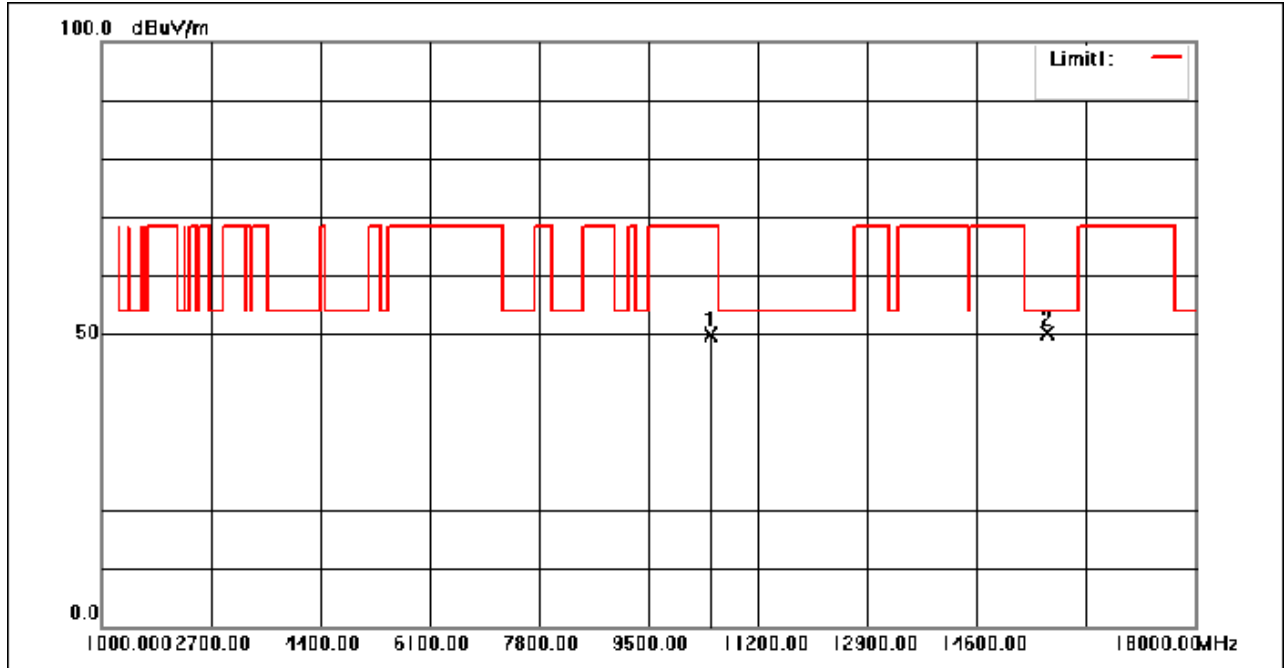
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t (86-21) 61915666 f (86-21) 61915678 sgs.china@sgs.com

Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	49.59	0.36	49.95	68.30	-18.35	peak
2	15690.000	44.18	6.04	50.22	54.00	-3.78	peak



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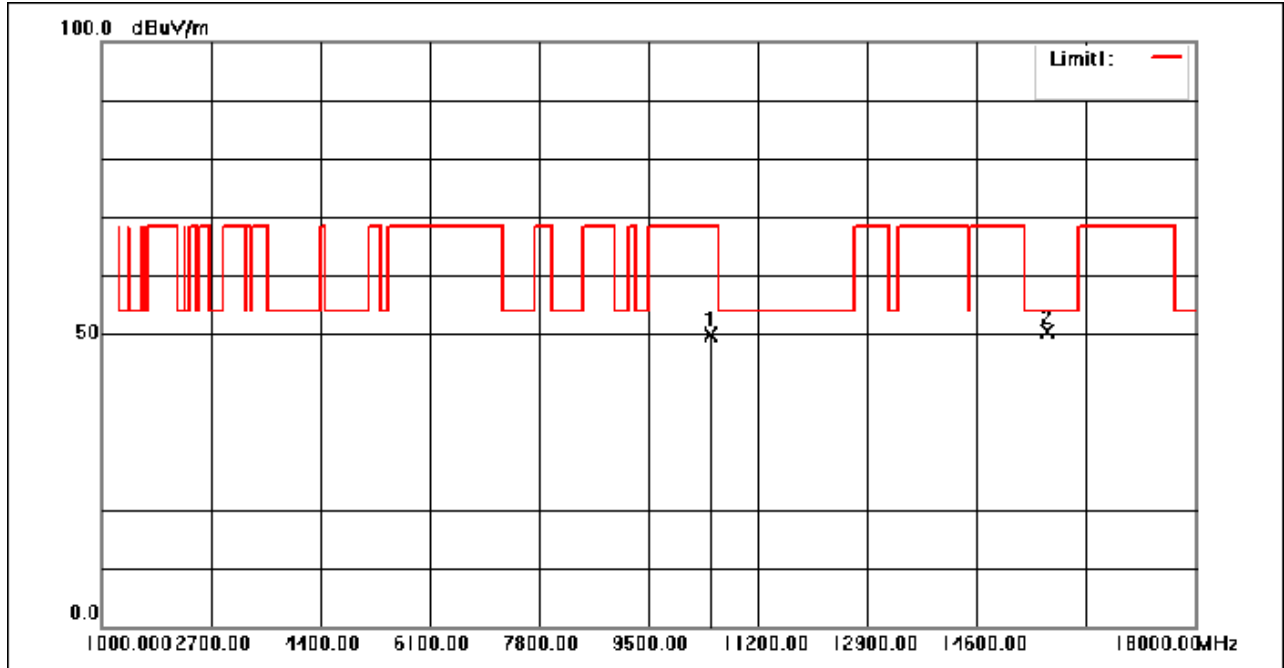
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

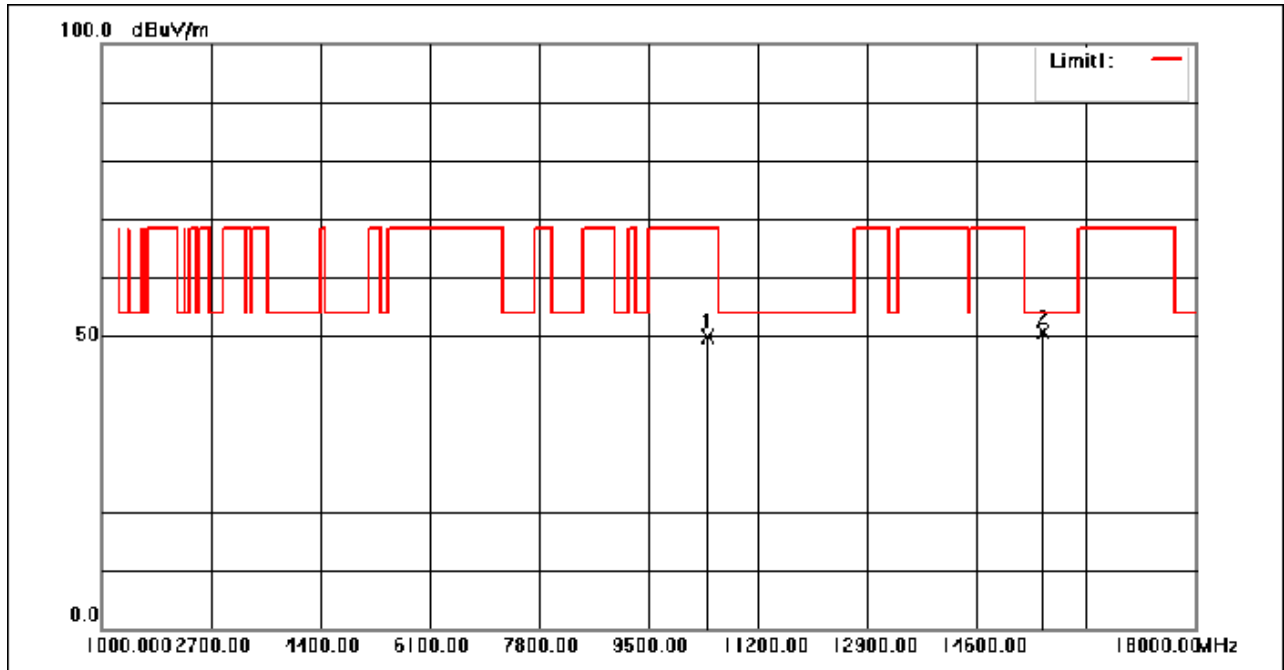


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	49.57	0.36	49.93	68.30	-18.37	peak
2	15690.000	44.38	6.04	50.42	54.00	-3.58	peak





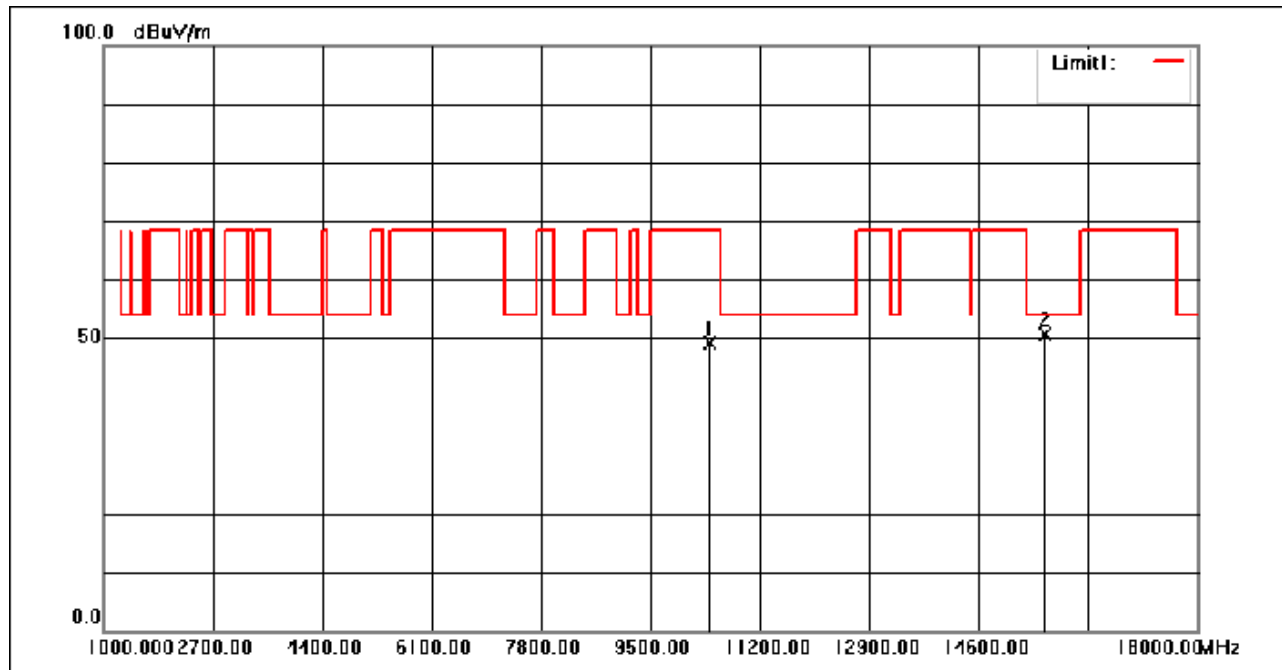
Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	49.56	0.28	49.84	68.30	-18.46	peak
2	15630.000	44.71	5.92	50.63	54.00	-3.37	peak



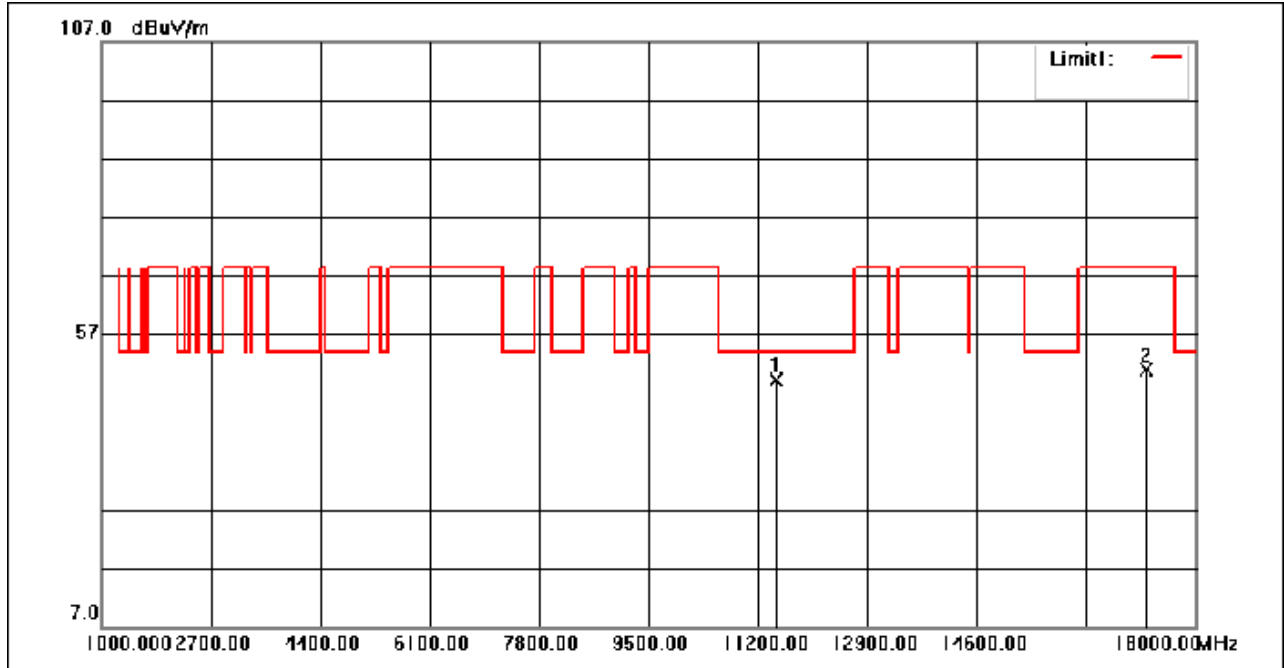
Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10420.000	48.97	0.28	49.25	68.30	-19.05	peak
2	15630.000	44.60	5.92	50.52	54.00	-3.48	peak



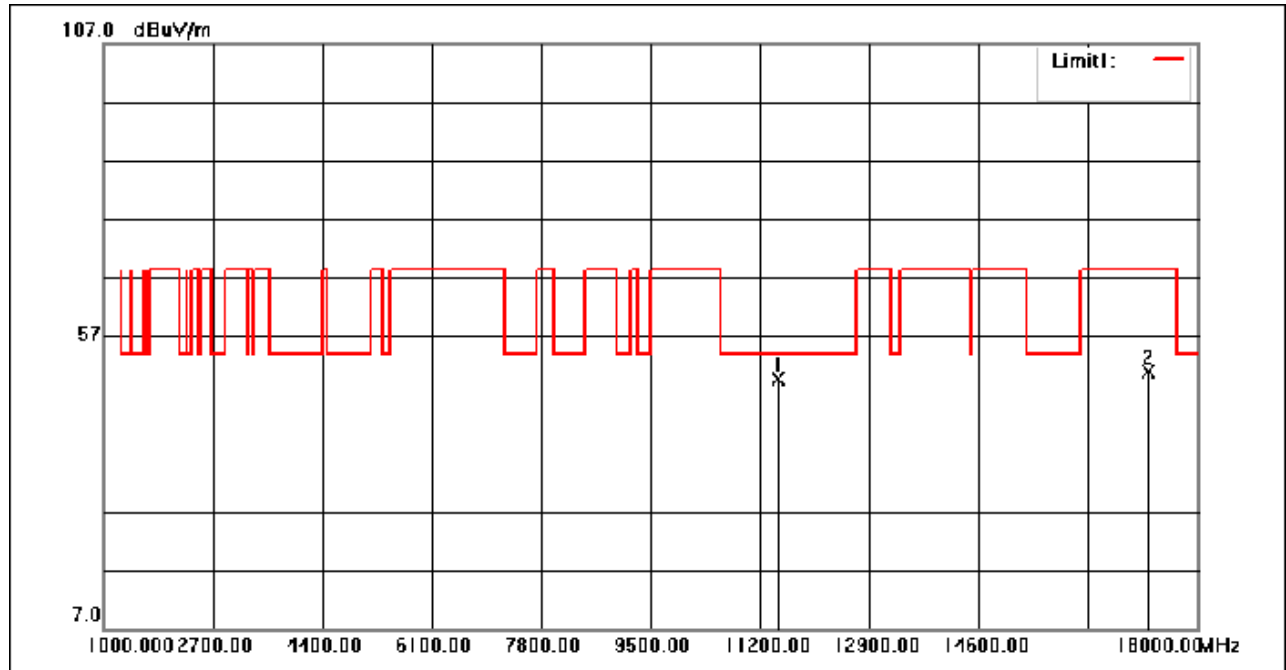
Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	48.27	0.94	49.21	54.00	-4.79	peak
2	17235.000	41.82	9.05	50.87	68.30	-17.43	peak



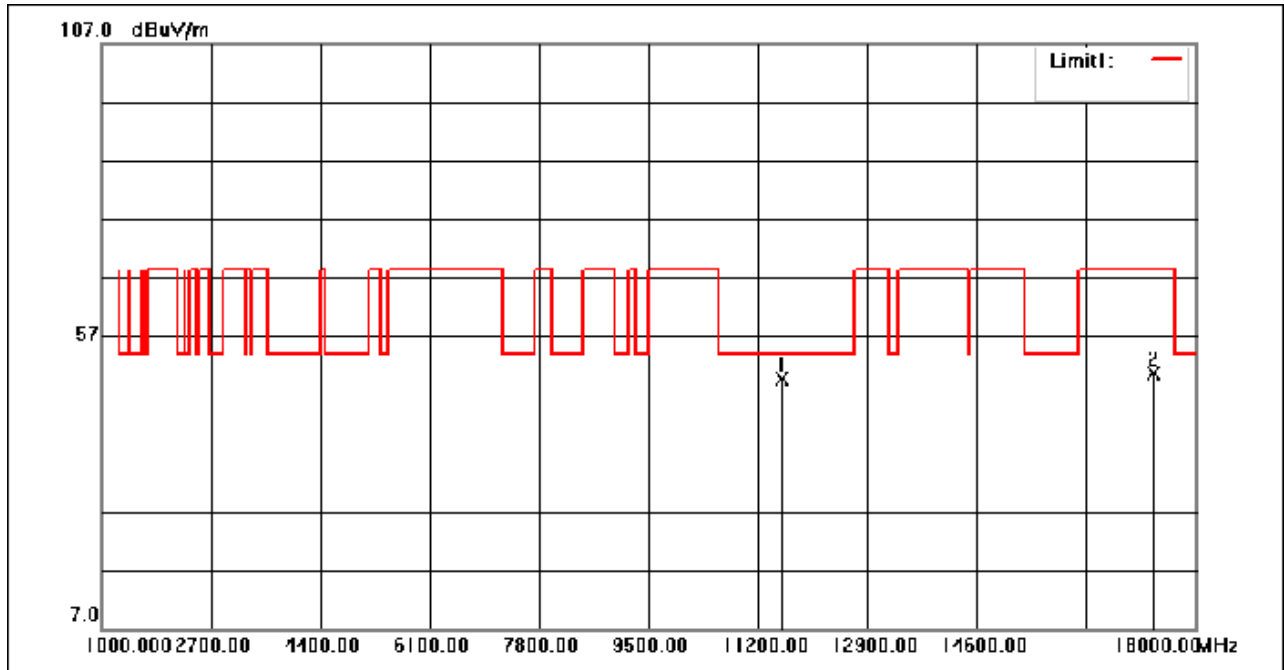
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	48.79	0.94	49.73	54.00	-4.27	peak
2	17235.000	41.80	9.05	50.85	68.30	-17.45	peak



Test Mode: 06; Polarity: Horizontal; Modulation: 802.11a; Bandwidth: 20MHz; Channel: middle

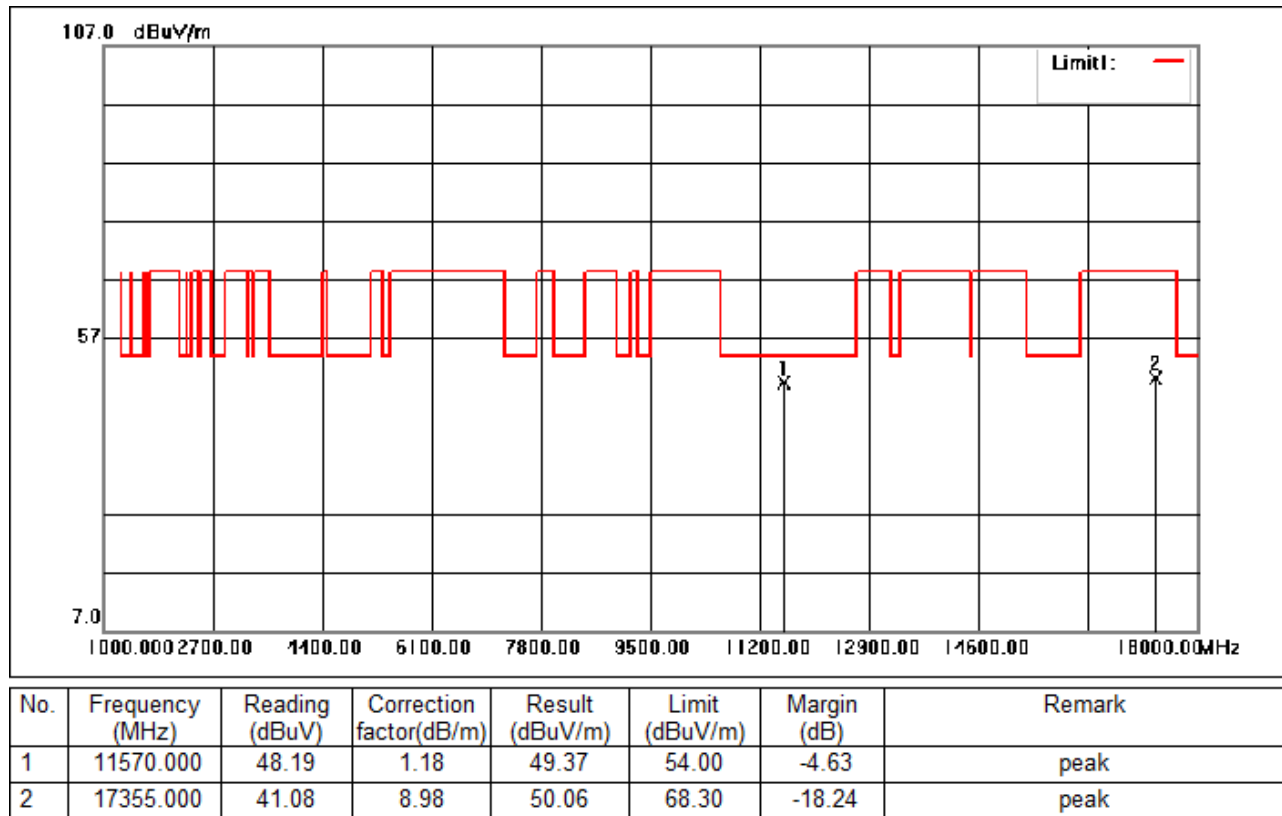


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	48.47	1.18	49.65	54.00	-4.35	peak
2	17355.000	41.76	8.98	50.74	68.30	-17.56	peak

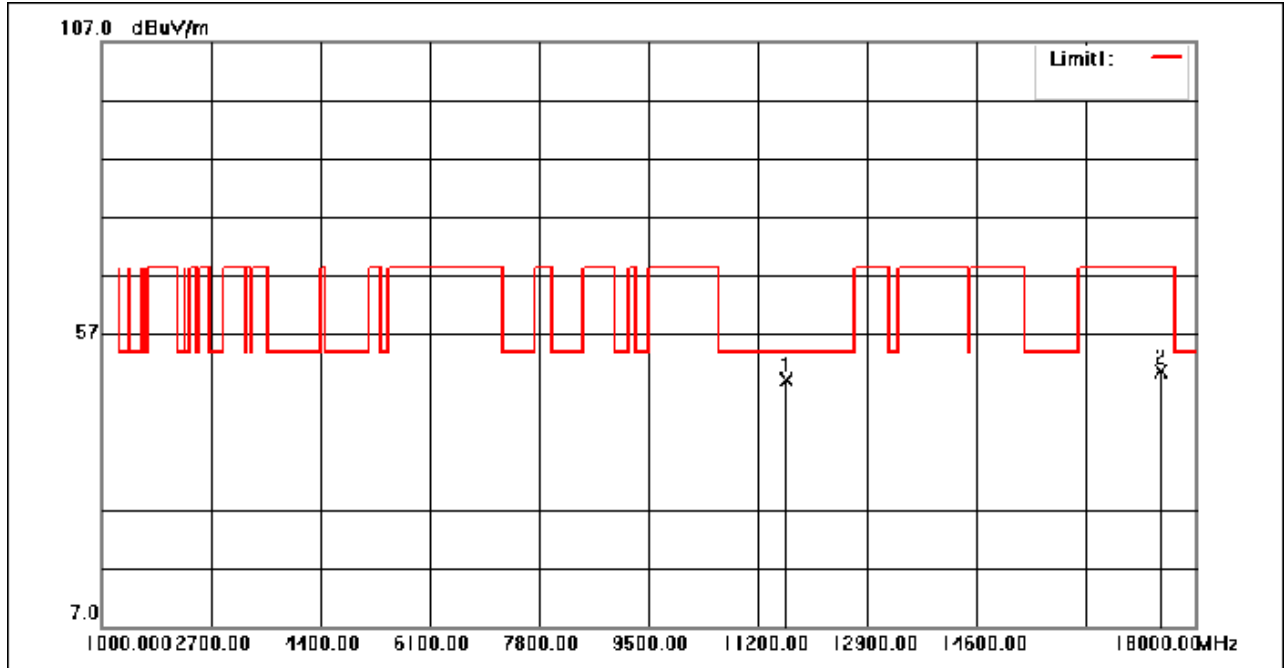




Test Mode: 06; Polarity: Vertical; Modulation: 802.11a; Bandwidth: 20MHz; Channel: middle



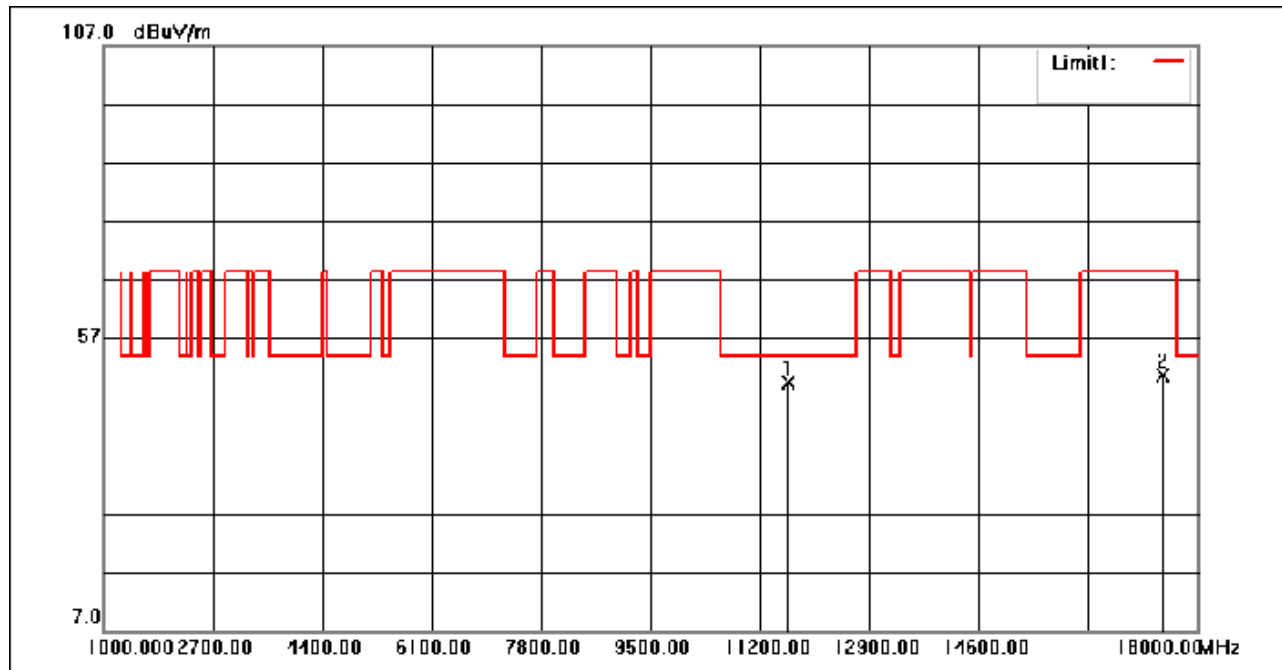
Test Mode: 06; Polarity: Horizontal; Modulation: 802.11a; Bandwidth: 20MHz; Channel: High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	47.76	1.45	49.21	54.00	-4.79	peak
2	17475.000	41.61	8.90	50.51	68.30	-17.79	peak



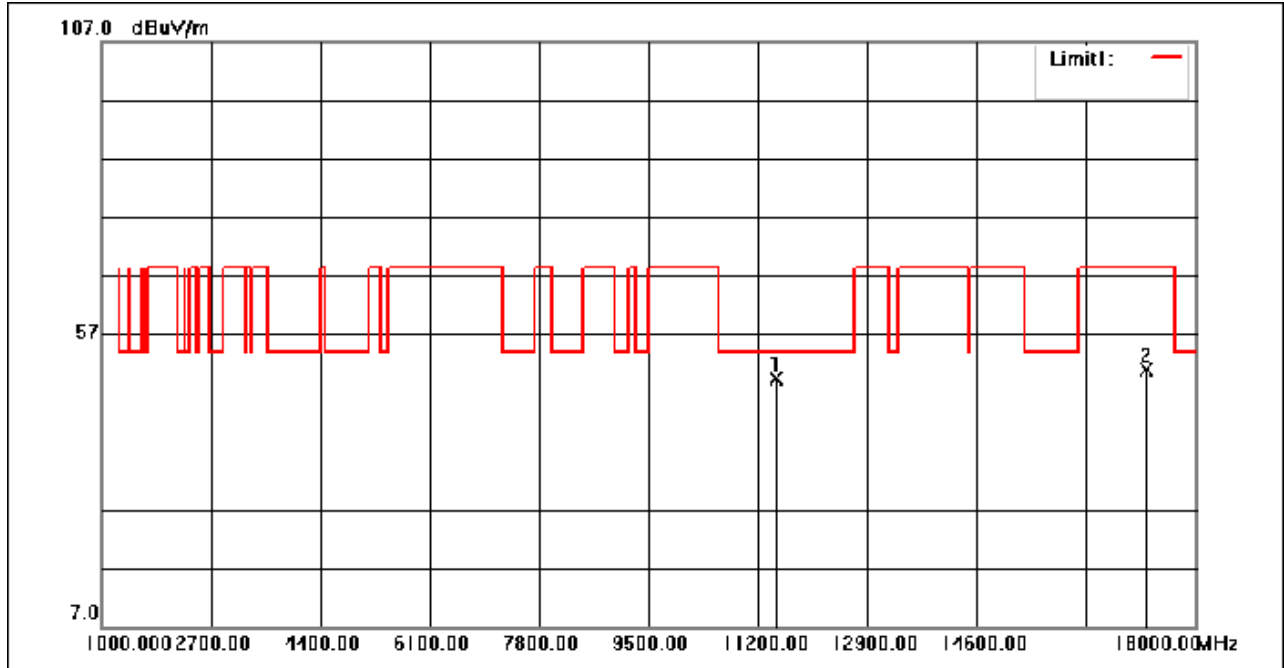
Test Mode: 06; Polarity: Vertical; Modulation: 802.11a; Bandwidth: 20MHz; Channel: High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	47.95	1.45	49.40	54.00	-4.60	peak
2	17475.000	41.62	8.90	50.52	68.30	-17.78	peak



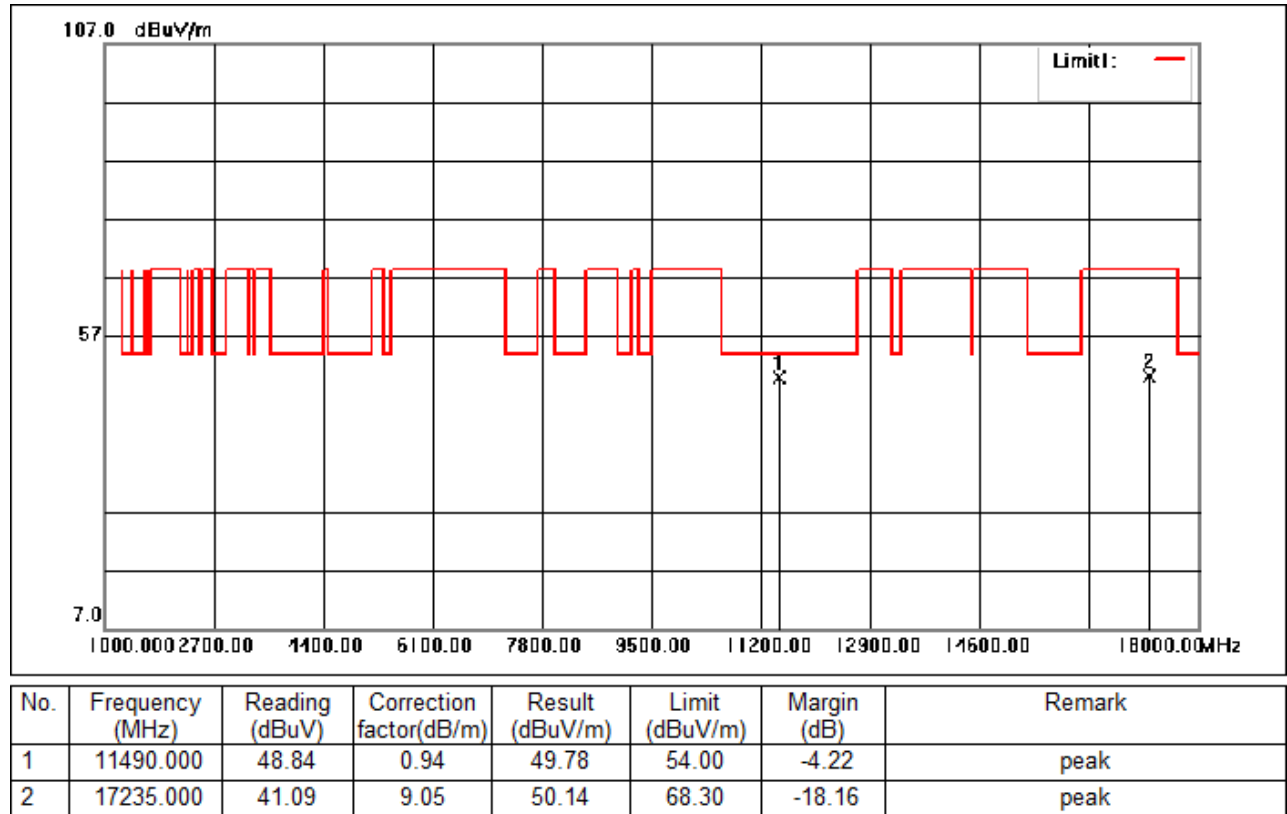
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	48.39	0.94	49.33	54.00	-4.67	peak
2	17235.000	41.90	9.05	50.95	68.30	-17.35	peak



Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



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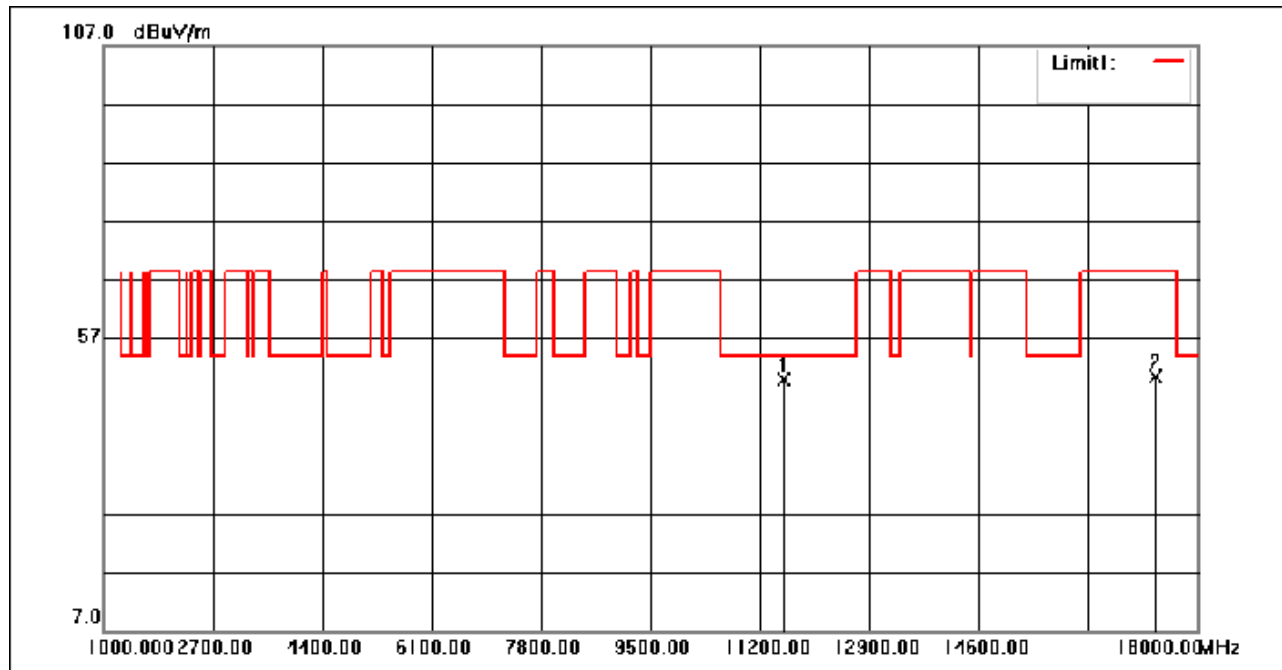
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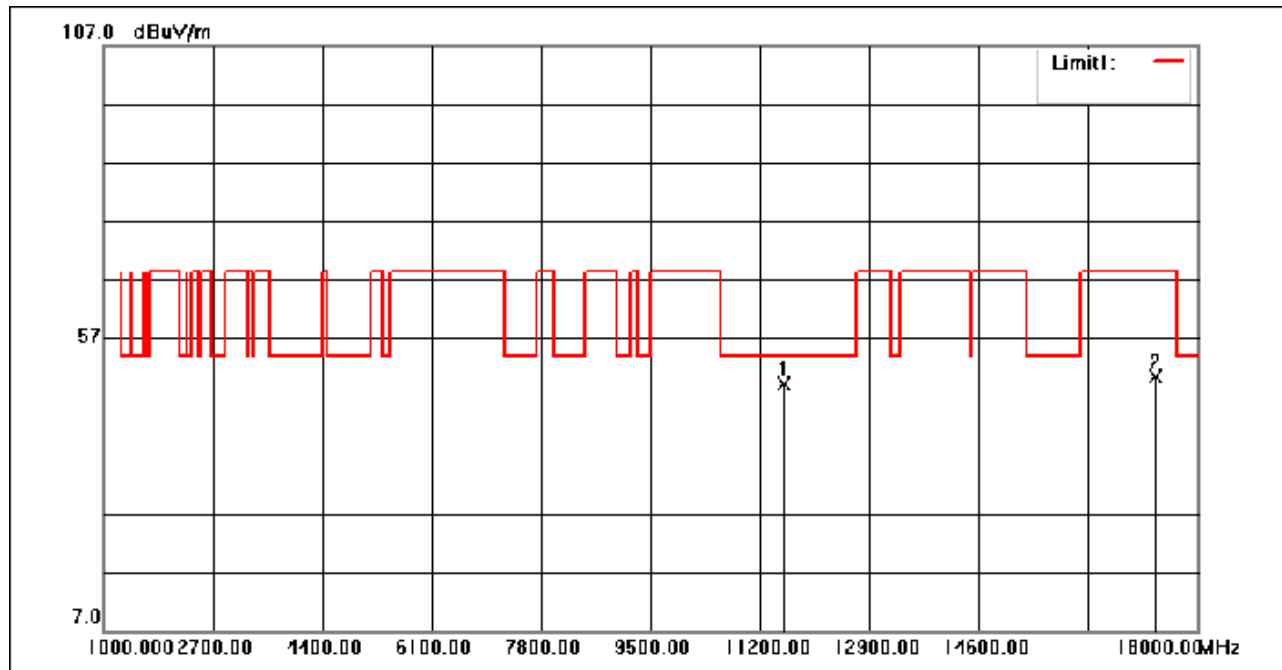
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	48.59	1.18	49.77	54.00	-4.23	peak
2	17355.000	41.50	8.98	50.48	68.30	-17.82	peak



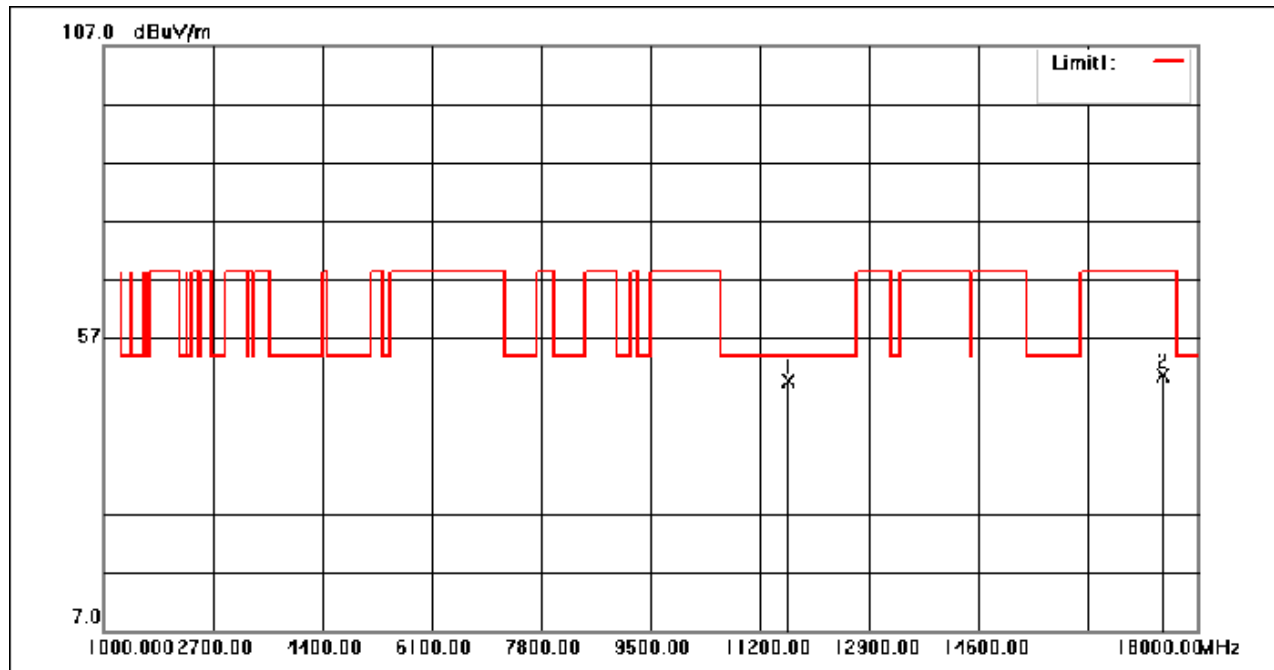
Test Mode: 06; Polarity: Vertical; Modulation: 802.11n; Bandwidth: 20MHz; Channel: middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	47.95	1.18	49.13	54.00	-4.87	peak
2	17355.000	41.52	8.98	50.50	68.30	-17.80	peak



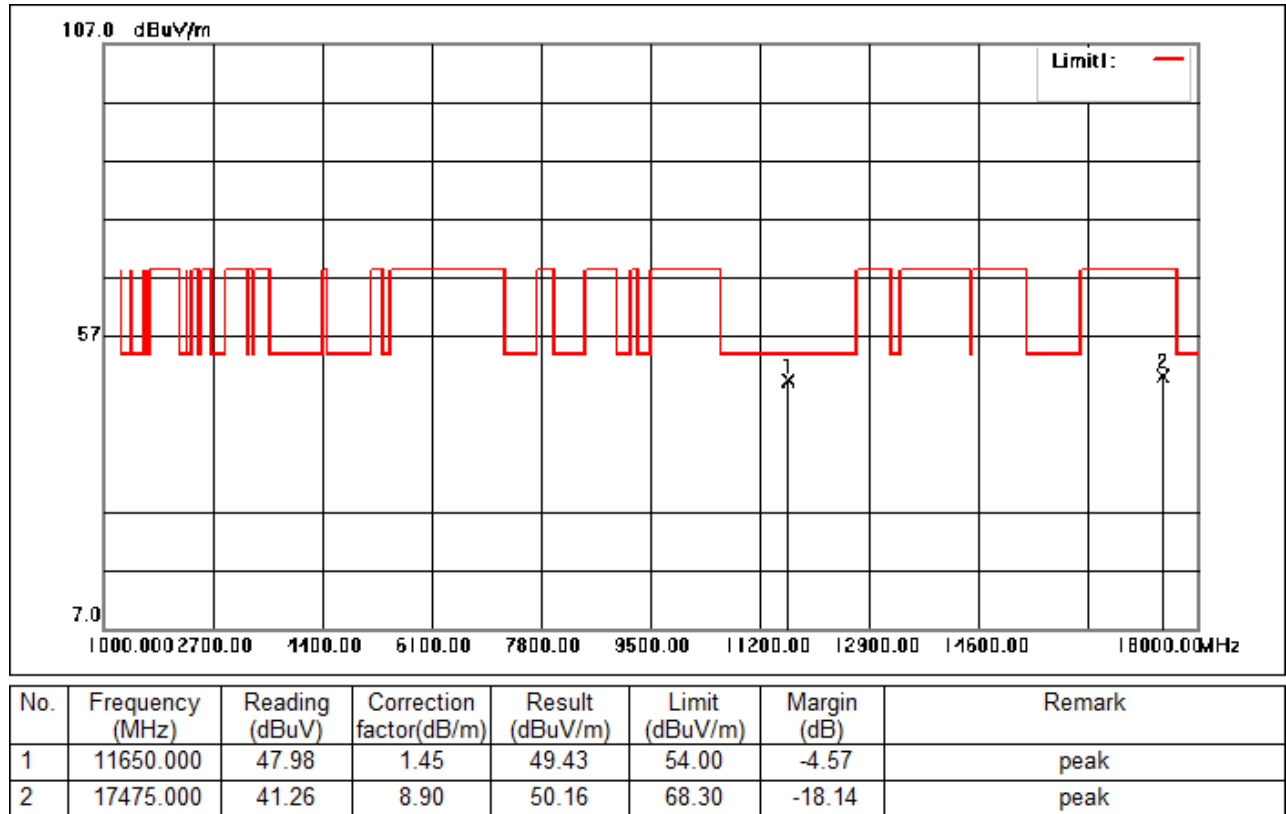
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	48.25	1.45	49.70	54.00	-4.30	peak
2	17475.000	41.81	8.90	50.71	68.30	-17.59	peak



Test Mode: 06; Polarity: Vertical; Modulation: 802.11n; Bandwidth: 20MHz; Channel: High



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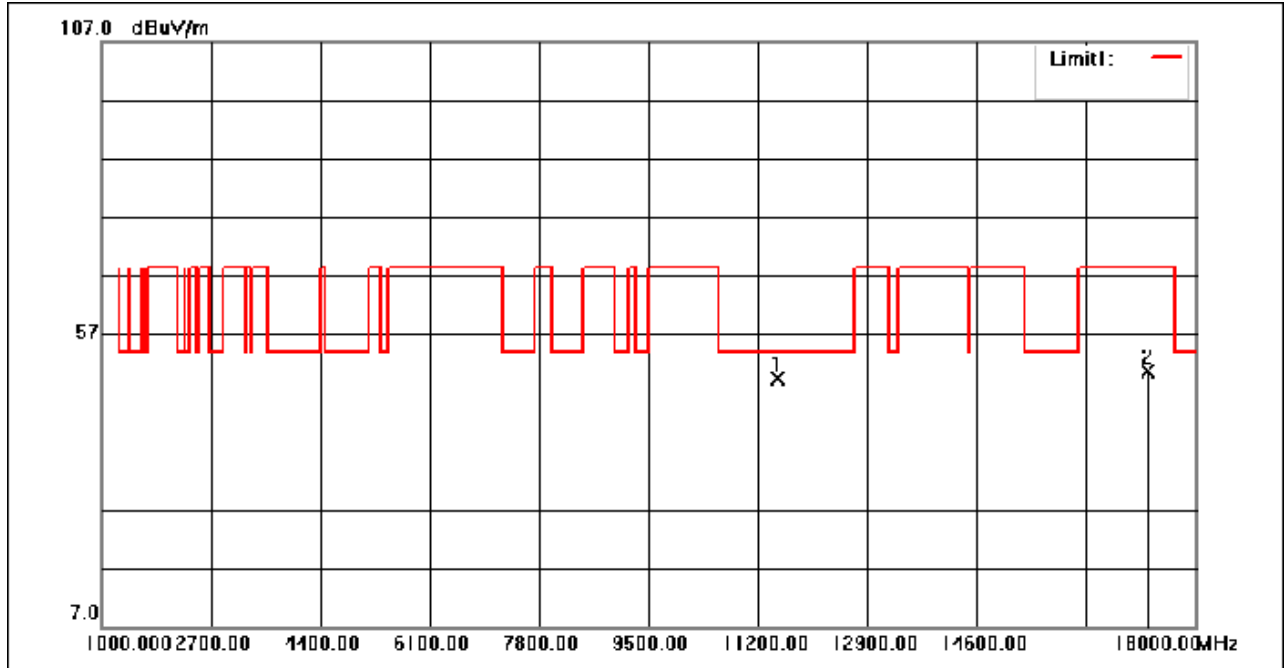
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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

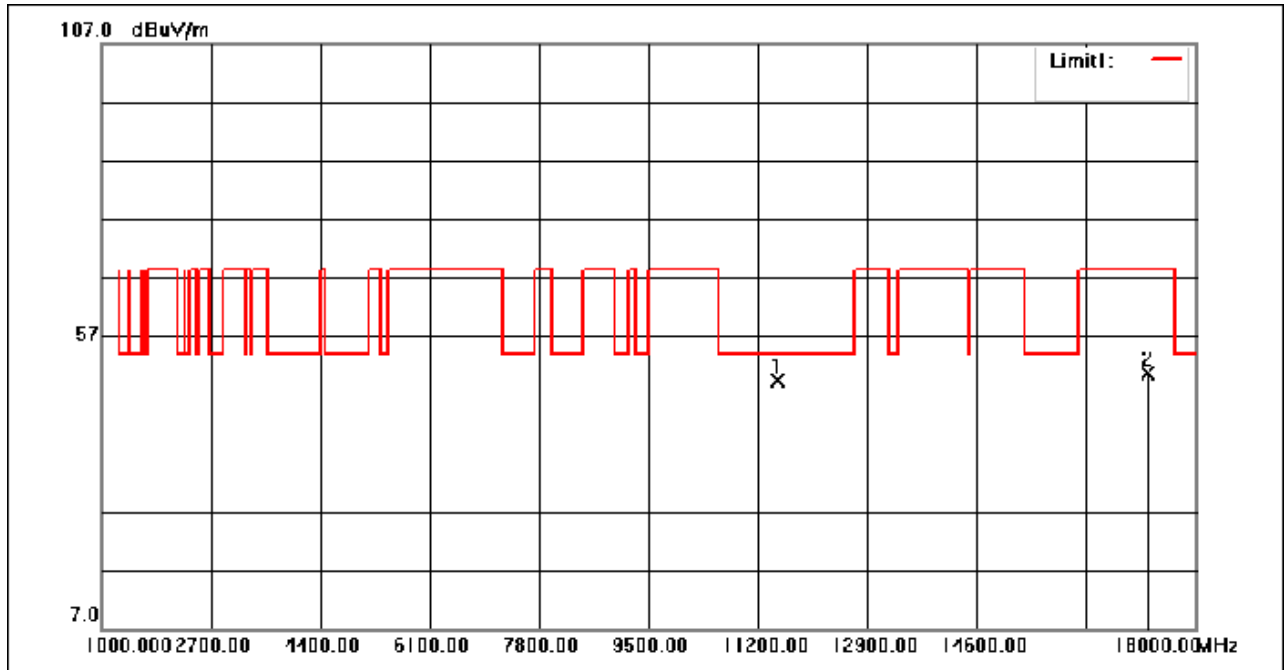


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	48.30	0.99	49.29	54.00	-4.71	peak
2	17265.000	41.51	9.03	50.54	68.30	-17.76	peak





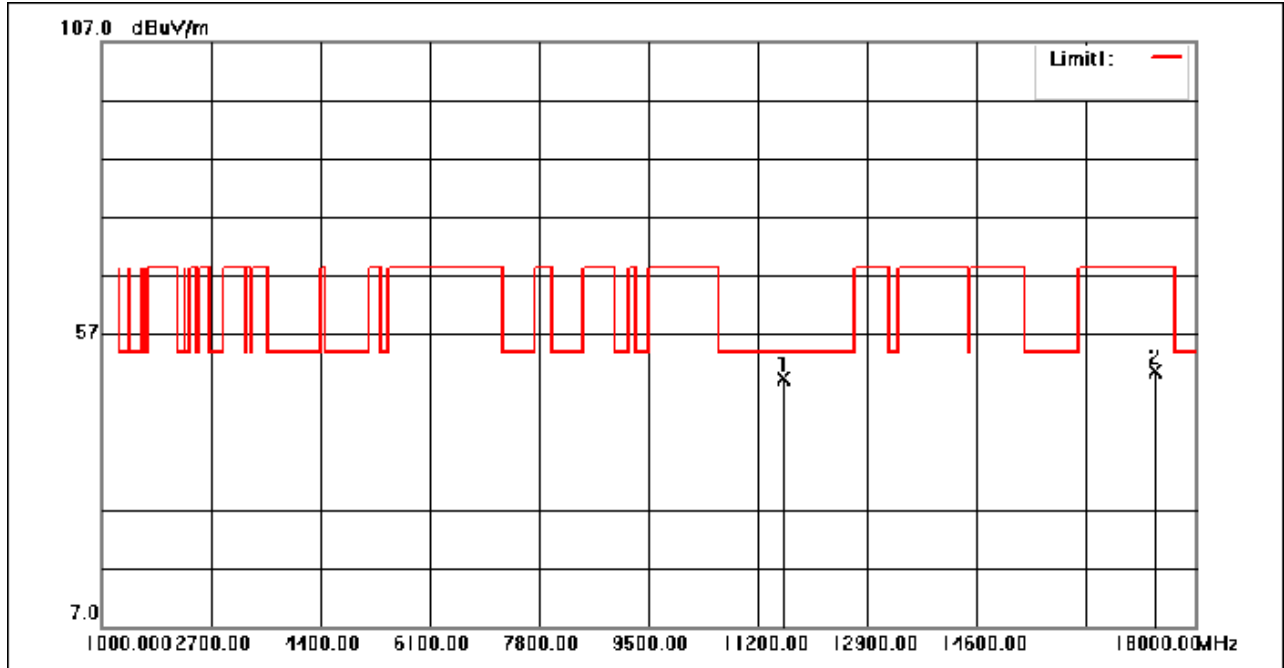
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	48.28	0.99	49.27	54.00	-4.73	peak
2	17265.000	41.64	9.03	50.67	68.30	-17.63	peak



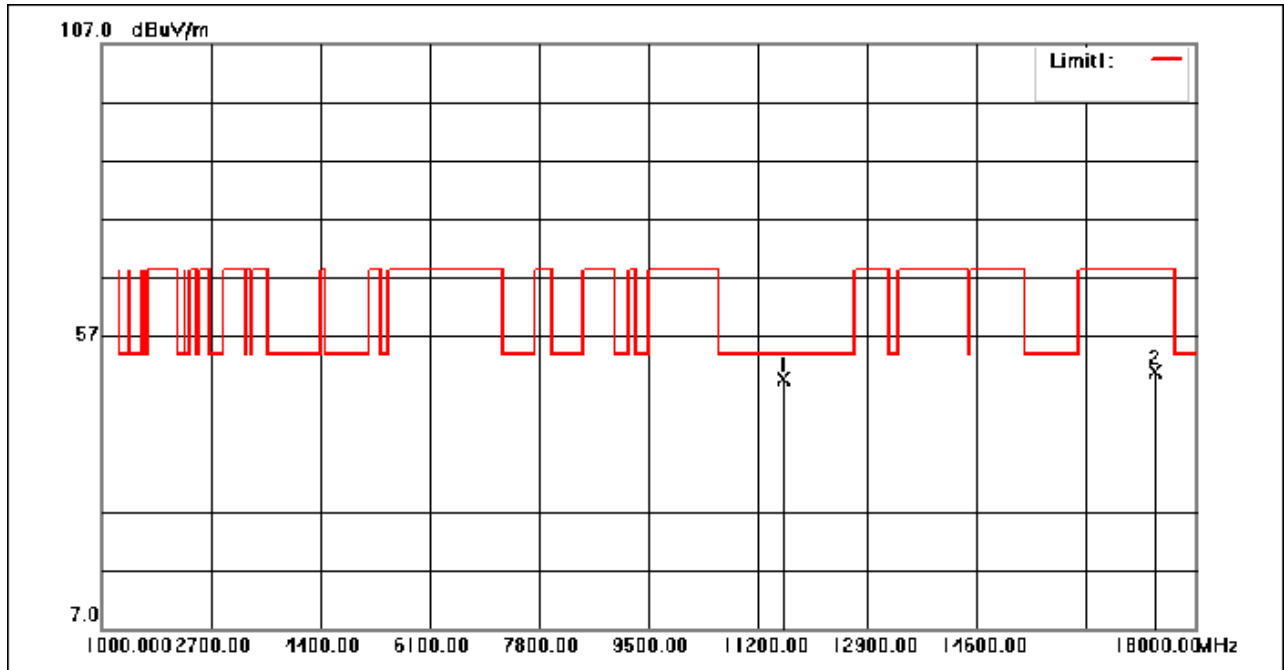
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	48.17	1.25	49.42	54.00	-4.58	peak
2	17385.000	41.65	8.96	50.61	68.30	-17.69	peak



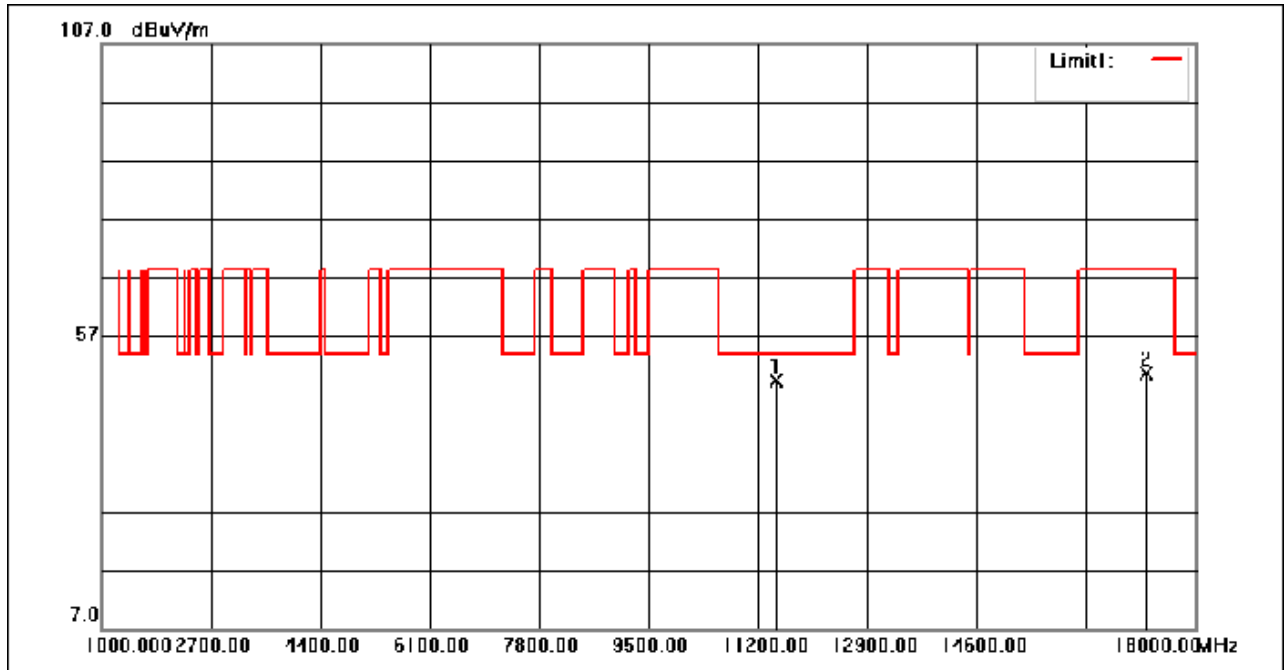
Test Mode: 06; Polarity: Vertical; Modulation: 802.11n; Bandwidth: 40MHz; Channel: High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	48.31	1.25	49.56	54.00	-4.44	peak
2	17385.000	41.97	8.96	50.93	68.30	-17.37	peak



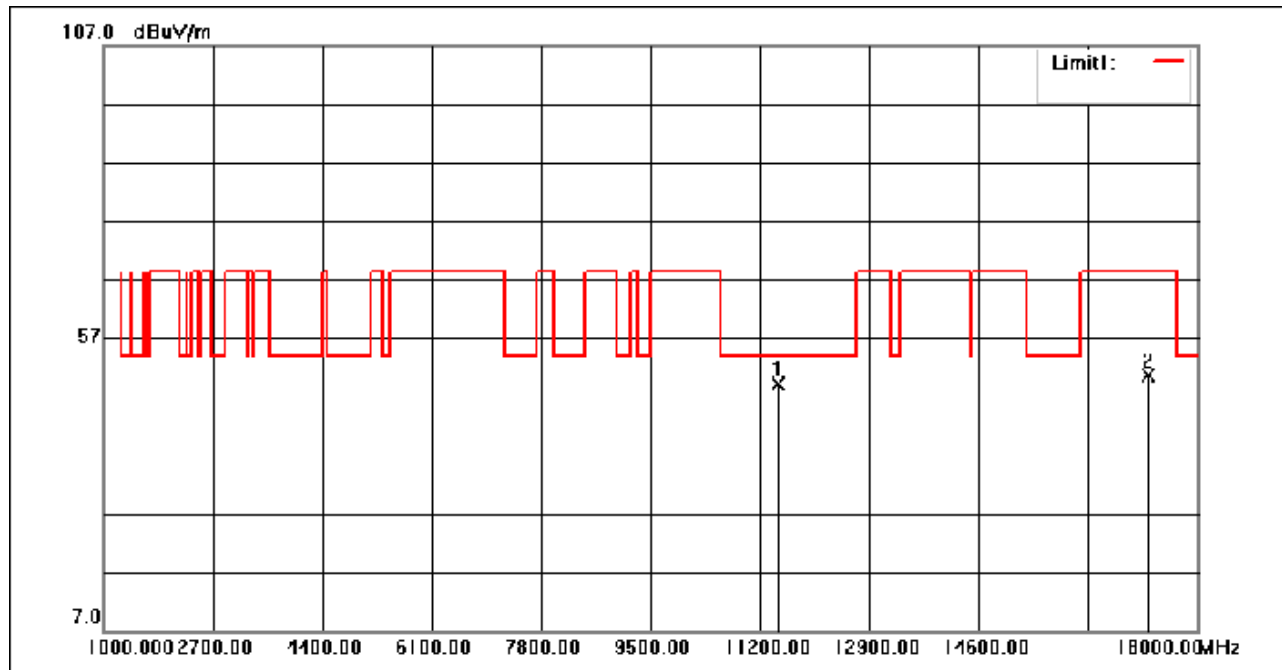
Test Mode: 06; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	48.52	0.94	49.46	54.00	-4.54	peak
2	17235.000	41.69	9.05	50.74	68.30	-17.56	peak



Test Mode: 06; Polarity: Vertical; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: Low

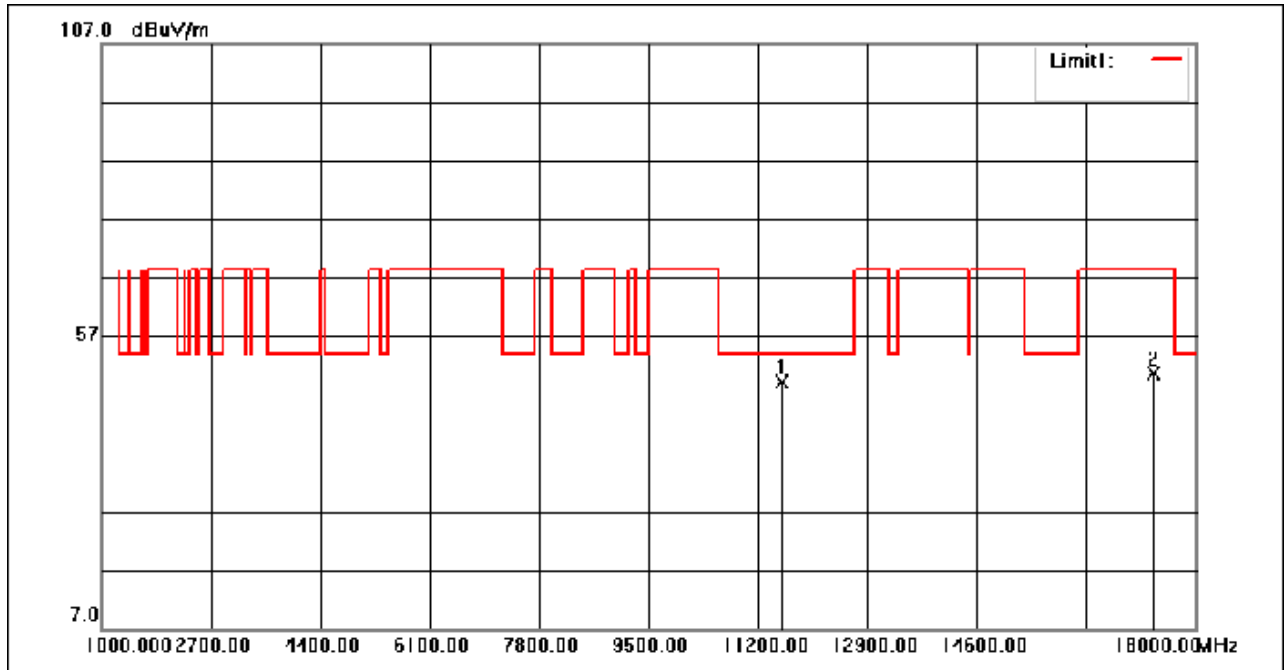


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	48.28	0.94	49.22	54.00	-4.78	peak
2	17235.000	41.58	9.05	50.63	68.30	-17.67	peak





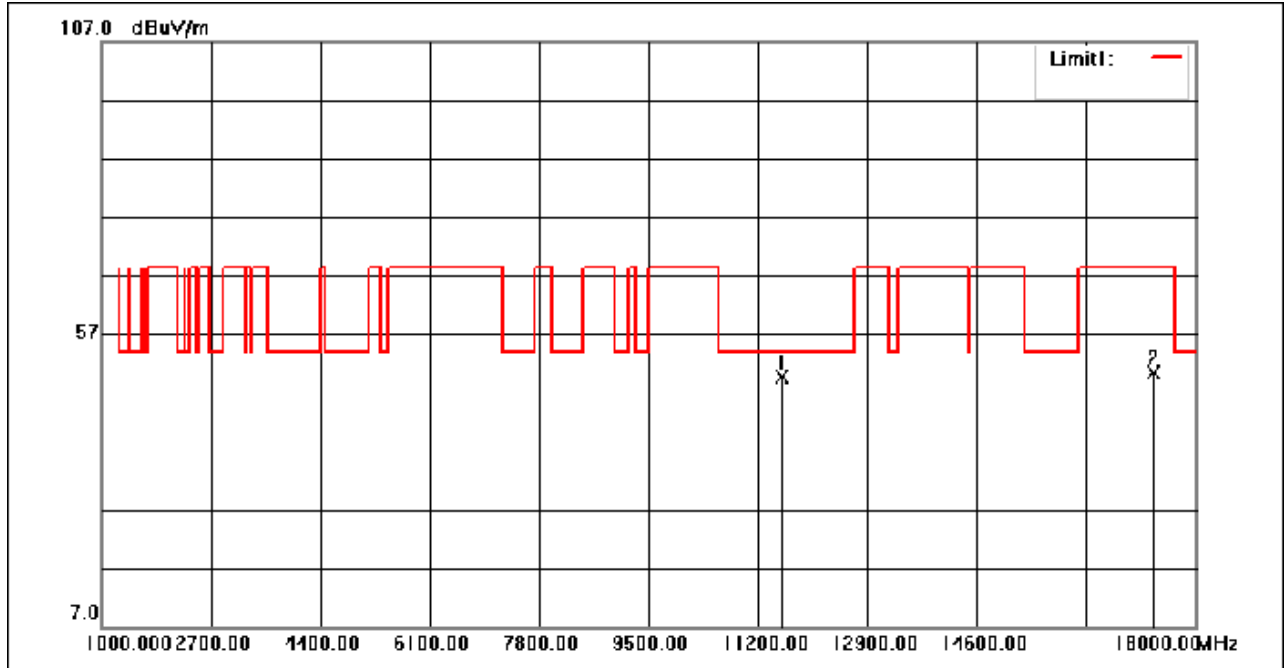
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	47.85	1.18	49.03	54.00	-4.97	peak
2	17355.000	41.61	8.98	50.59	68.30	-17.71	peak



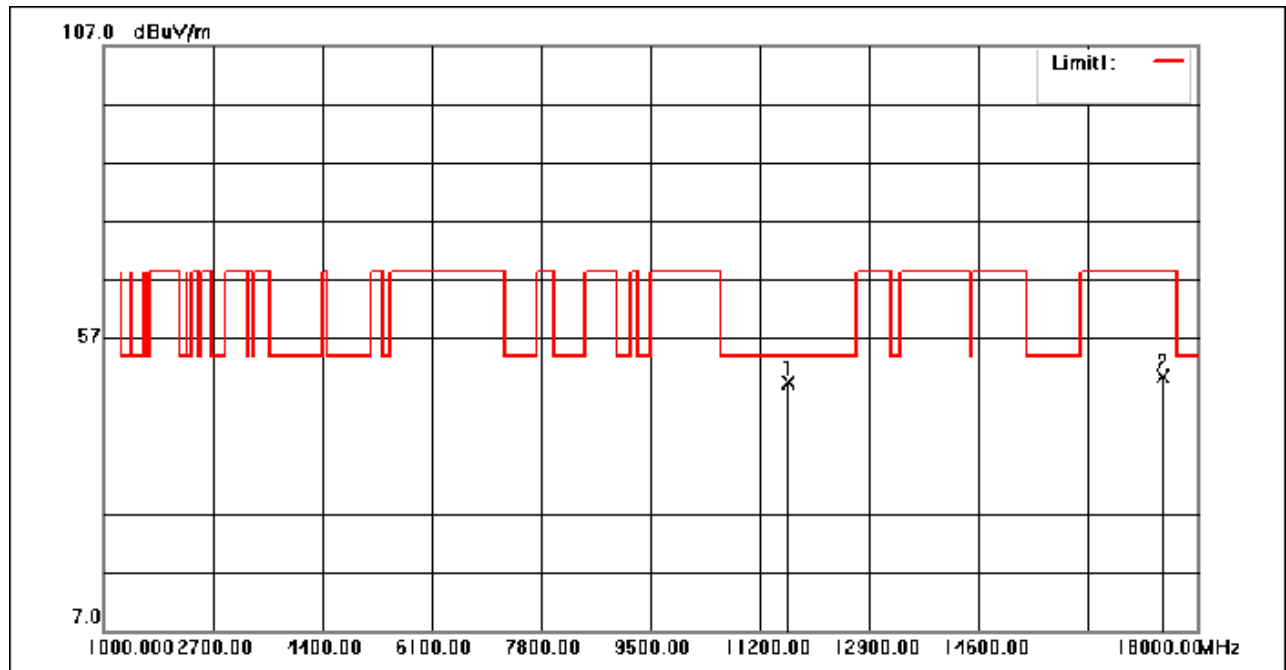
Test Mode: 06; Polarity: Vertical; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	48.46	1.18	49.64	54.00	-4.36	peak
2	17355.000	41.50	8.98	50.48	68.30	-17.82	peak



Test Mode: 06; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	47.84	1.45	49.29	54.00	-4.71	peak
2	17475.000	41.52	8.90	50.42	68.30	-17.88	peak



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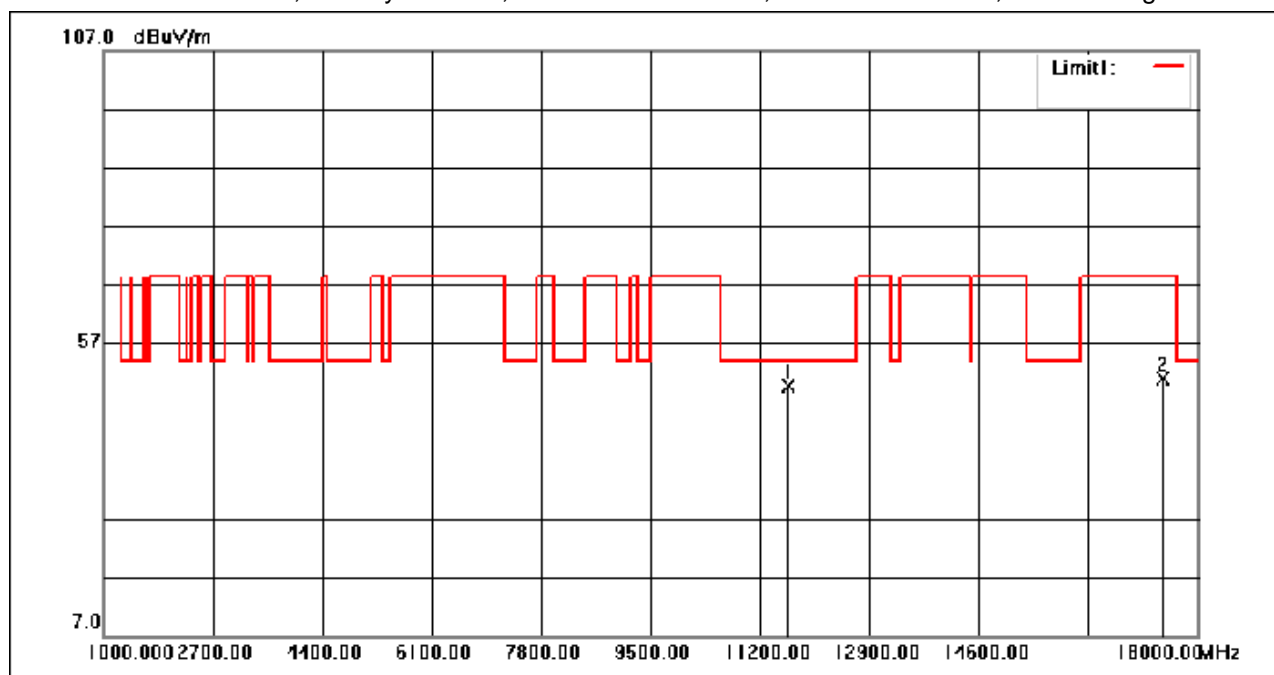
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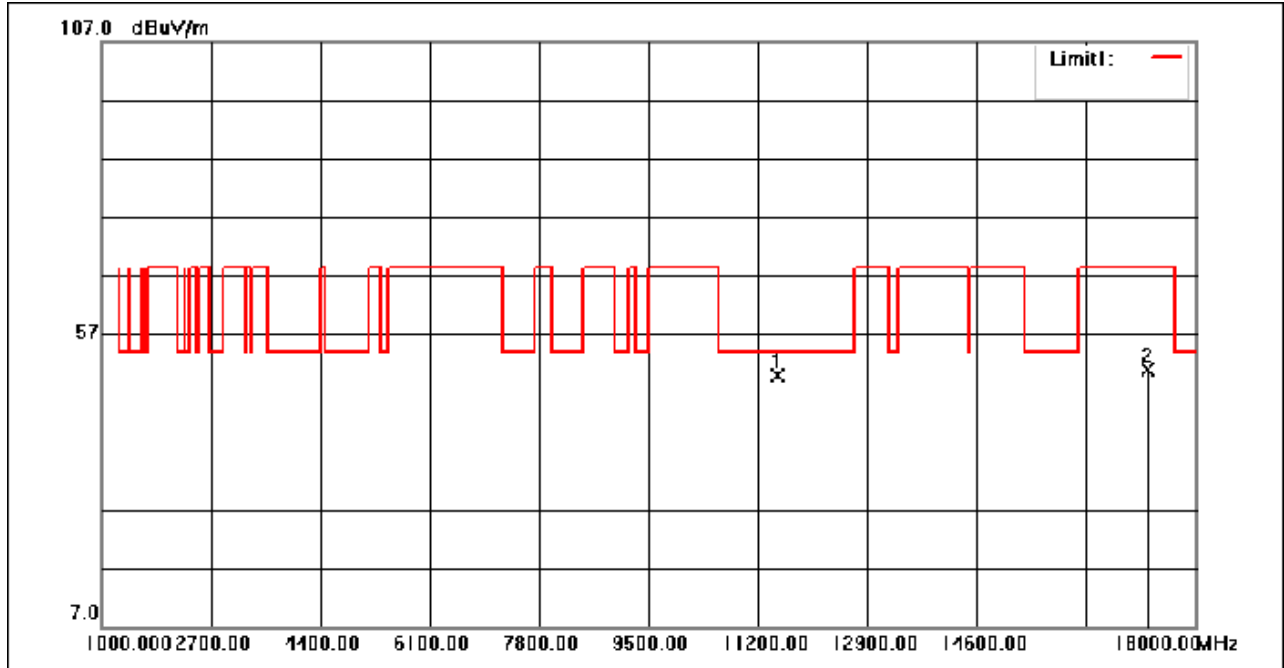
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	48.06	1.45	49.51	54.00	-4.49	peak
2	17475.000	42.04	8.90	50.94	68.30	-17.36	peak



Test Mode: 06; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 40MHz; Channel: Low

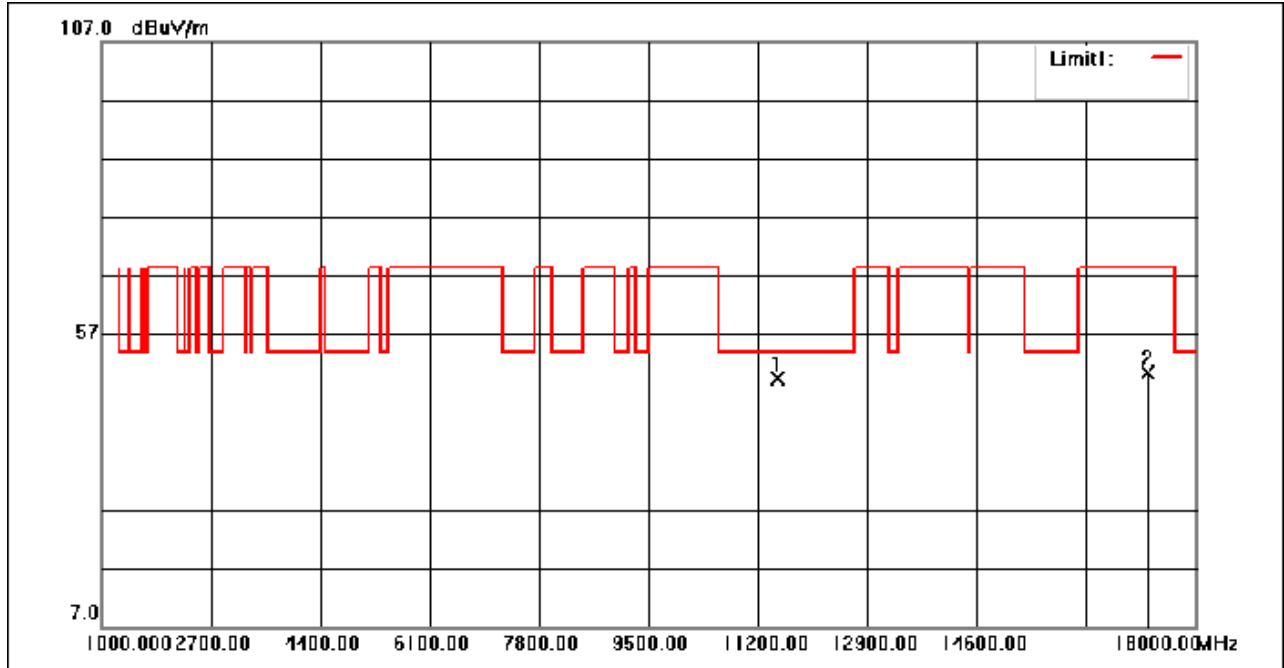


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	48.92	0.99	49.91	54.00	-4.09	peak
2	17265.000	41.77	9.03	50.80	68.30	-17.50	peak





Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	48.46	0.99	49.45	54.00	-4.55	peak
2	17265.000	41.25	9.03	50.28	68.30	-18.02	peak



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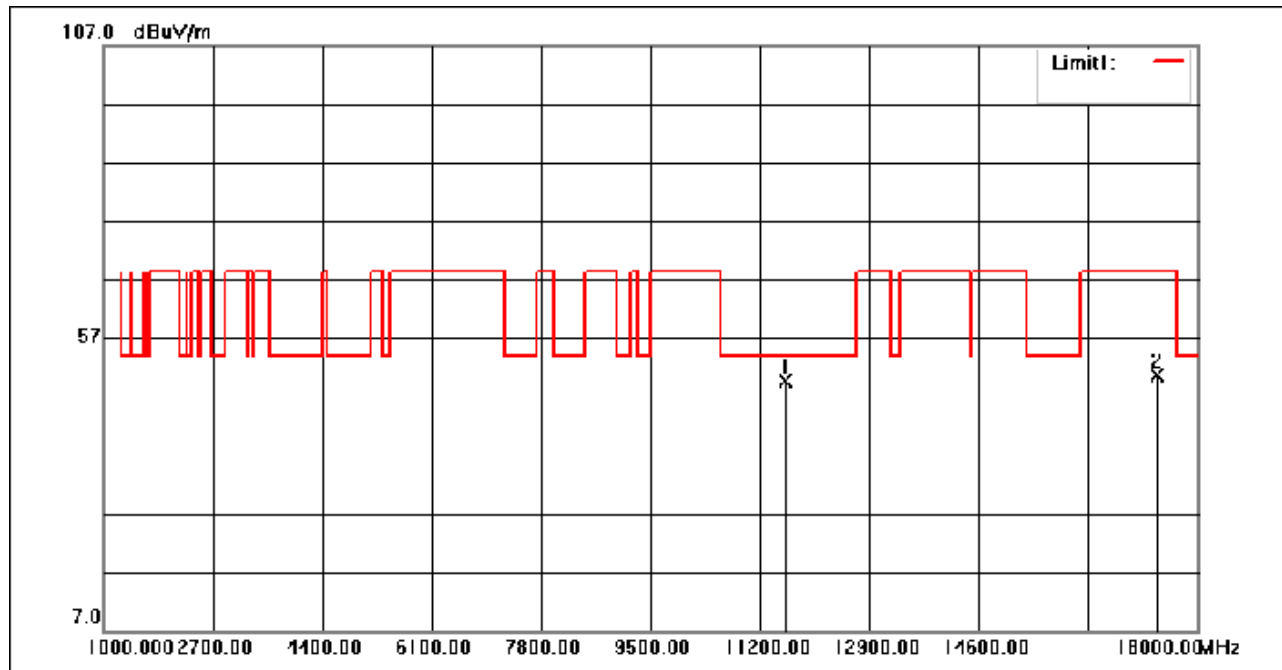
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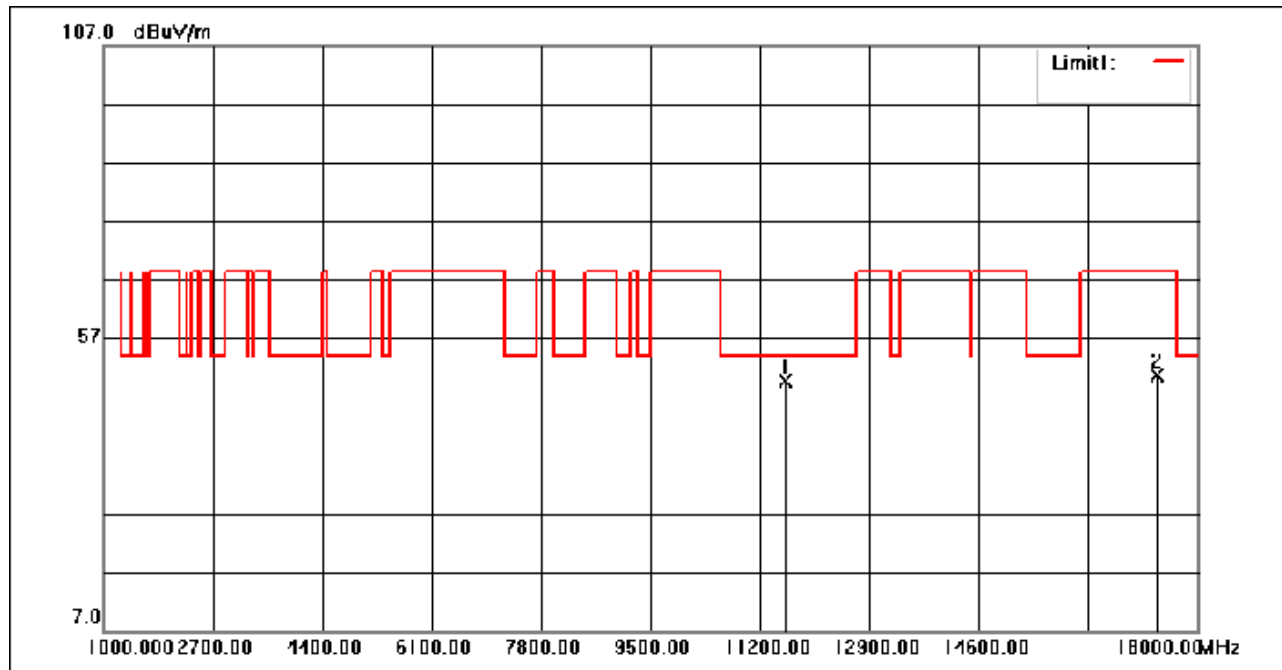
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	48.34	1.25	49.59	54.00	-4.41	peak
2	17385.000	41.60	8.96	50.56	68.30	-17.74	peak



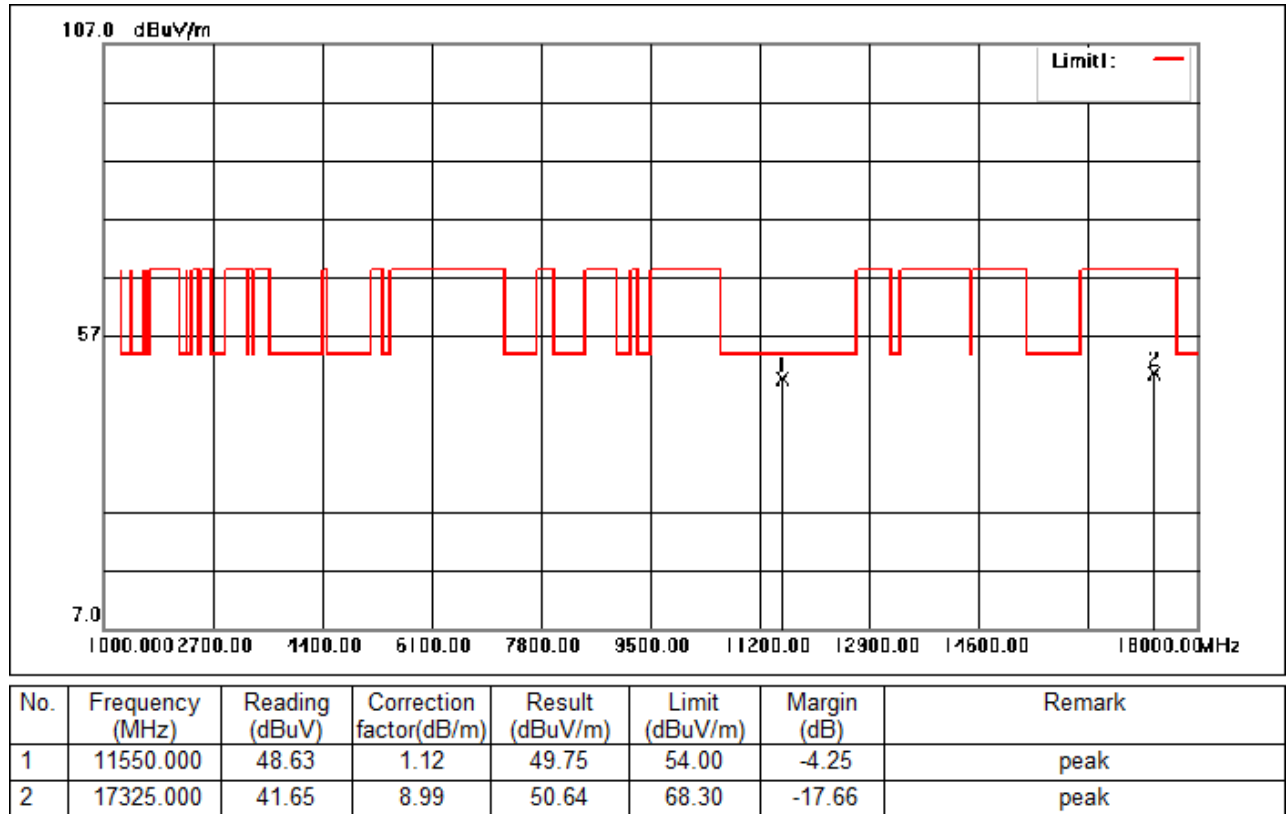
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	48.39	1.25	49.64	54.00	-4.36	peak
2	17385.000	41.71	8.96	50.67	68.30	-17.63	peak



Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



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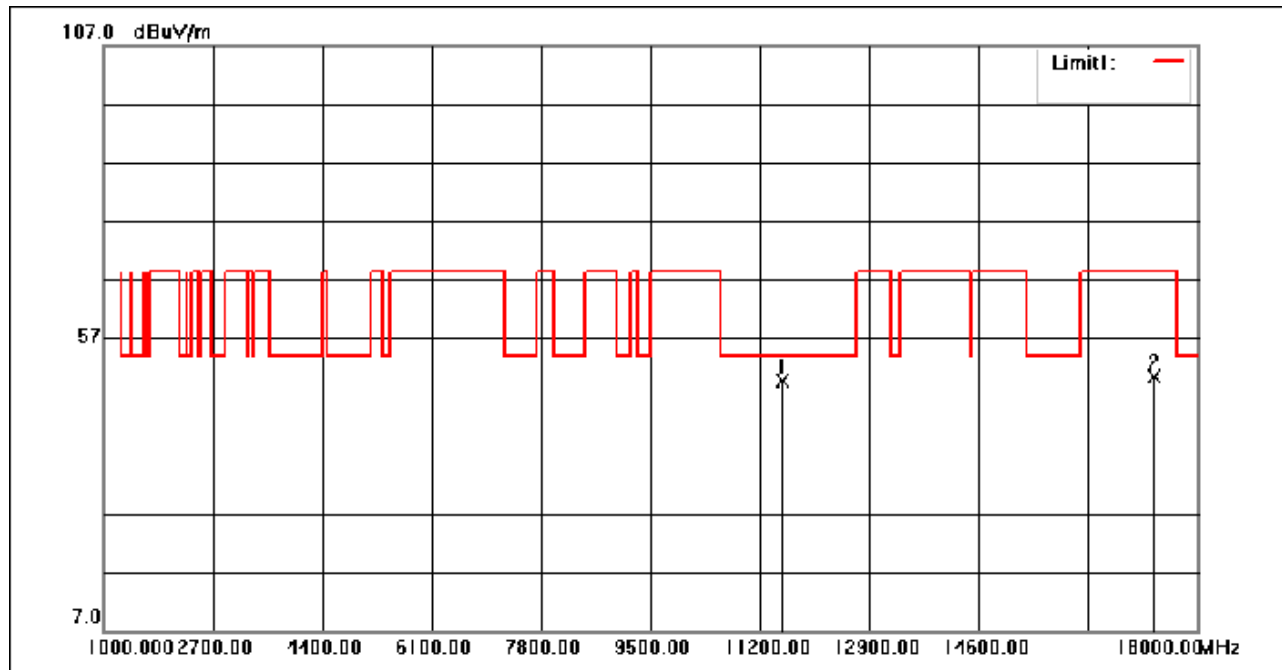
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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11550.000	48.40	1.12	49.52	54.00	-4.48	peak
2	17325.000	41.28	8.99	50.27	68.30	-18.03	peak



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## 6.2 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

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

\*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.  
 (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.  
 (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.  
 (4) For transmitters operating in the 5.725-5.85 GHz band:  
 (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.  
 Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

### 6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1010 mbar

### 6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and



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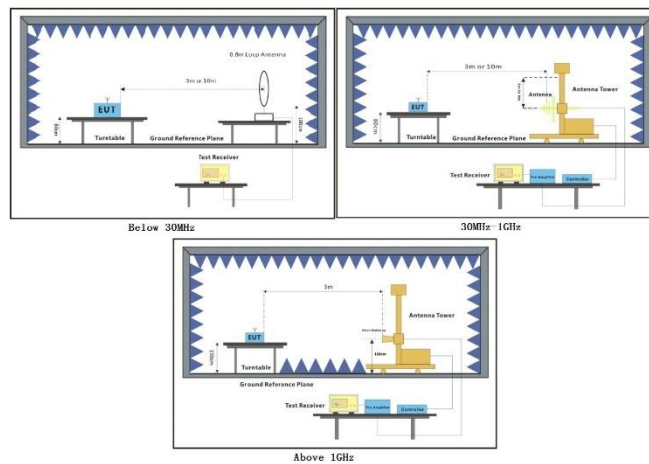
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		found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n20,n40,ac20,ac40,ac80, Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n20,n40,ac20,ac40,ac80, Only the data of worst case is recorded in the report.

### 6.2.3 Test Setup Diagram



#### 6.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2: We have evaluated different adapters and battery modes. The battery mode is the worst, and only the battery mode is tested finally.



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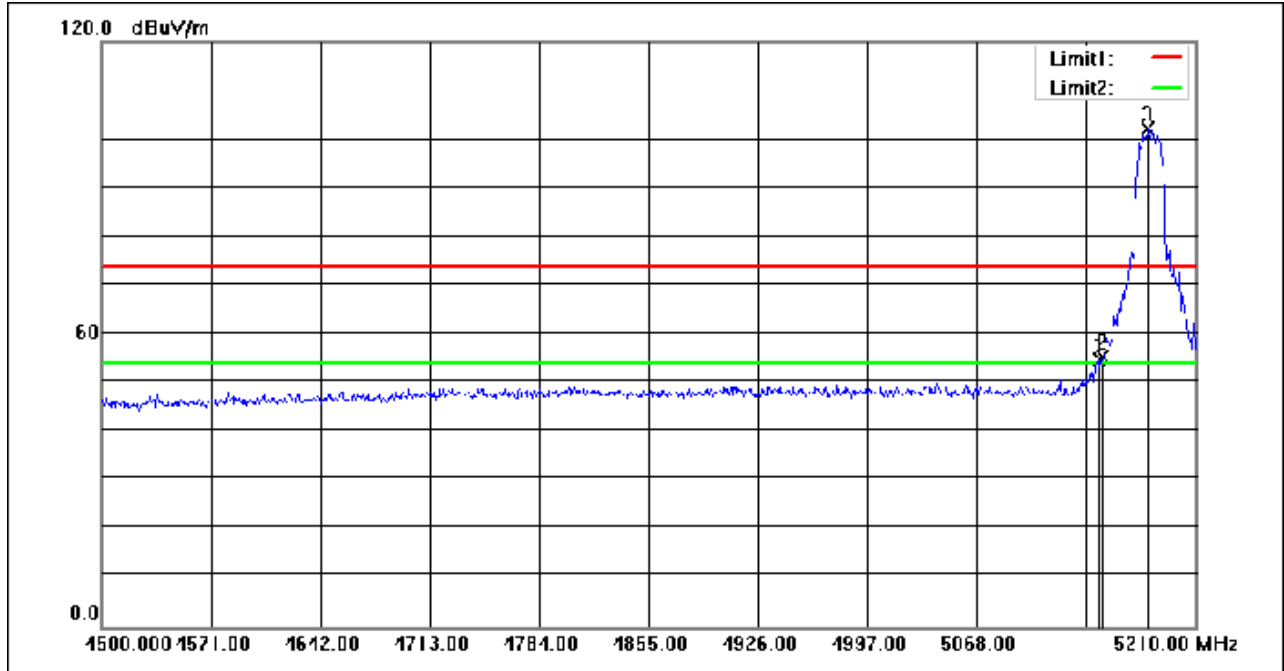
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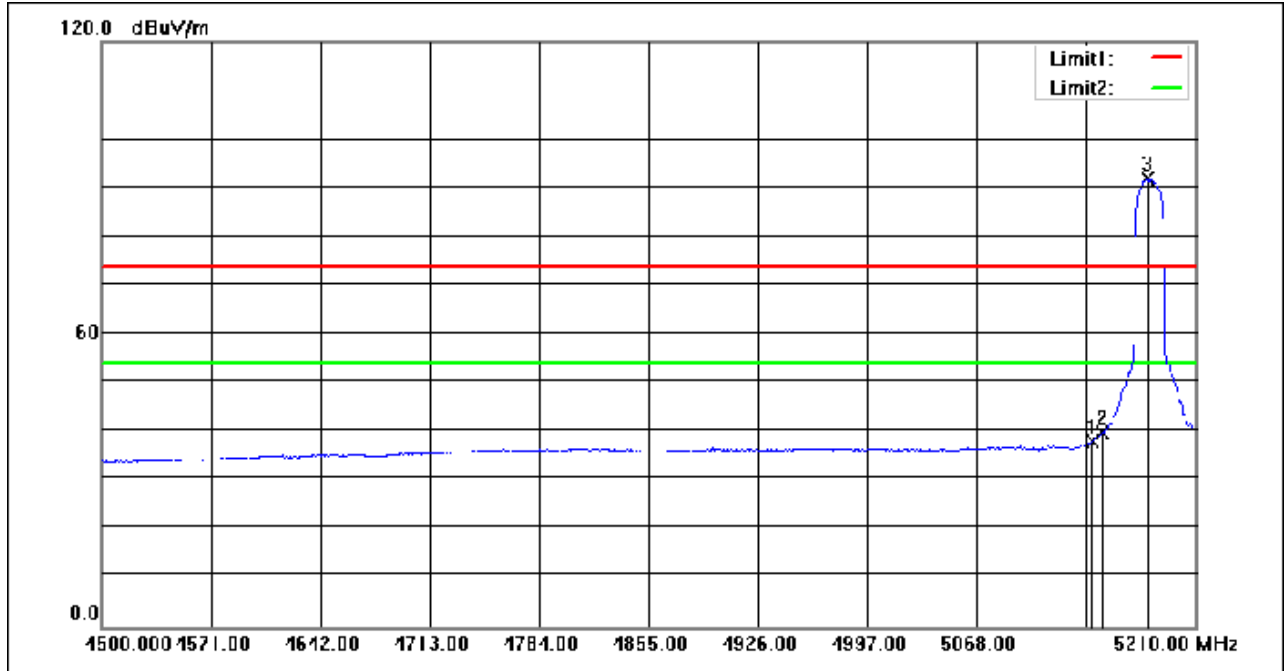


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.520	66.44	-11.79	54.65	74.00	-19.35	peak
2	5150.000	67.28	-11.79	55.49	74.00	-18.51	peak
3	5179.470	113.91	-11.86	102.05	74.00	28.05	peak





Test Mode: 05; Polarity: Horizontal; Modulation: 802.11a; Bandwidth: 20MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.260	49.79	-11.77	38.02	54.00	-15.98	AVG
2	5150.000	51.66	-11.79	39.87	54.00	-14.13	AVG
3	5178.760	103.86	-11.86	92.00	54.00	38.00	AVG



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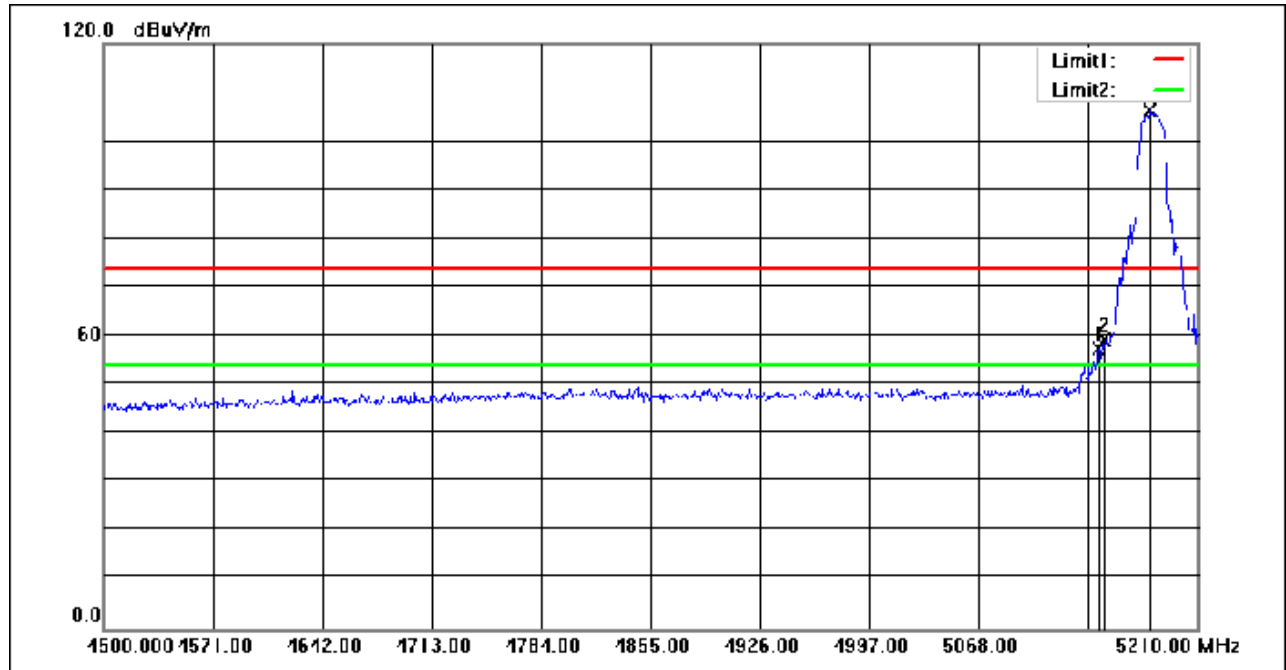
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.100	69.11	-11.78	57.33	74.00	-16.67	peak
2	5150.000	71.11	-11.79	59.32	74.00	-14.68	peak
3	5179.470	118.26	-11.86	106.40	74.00	32.40	peak



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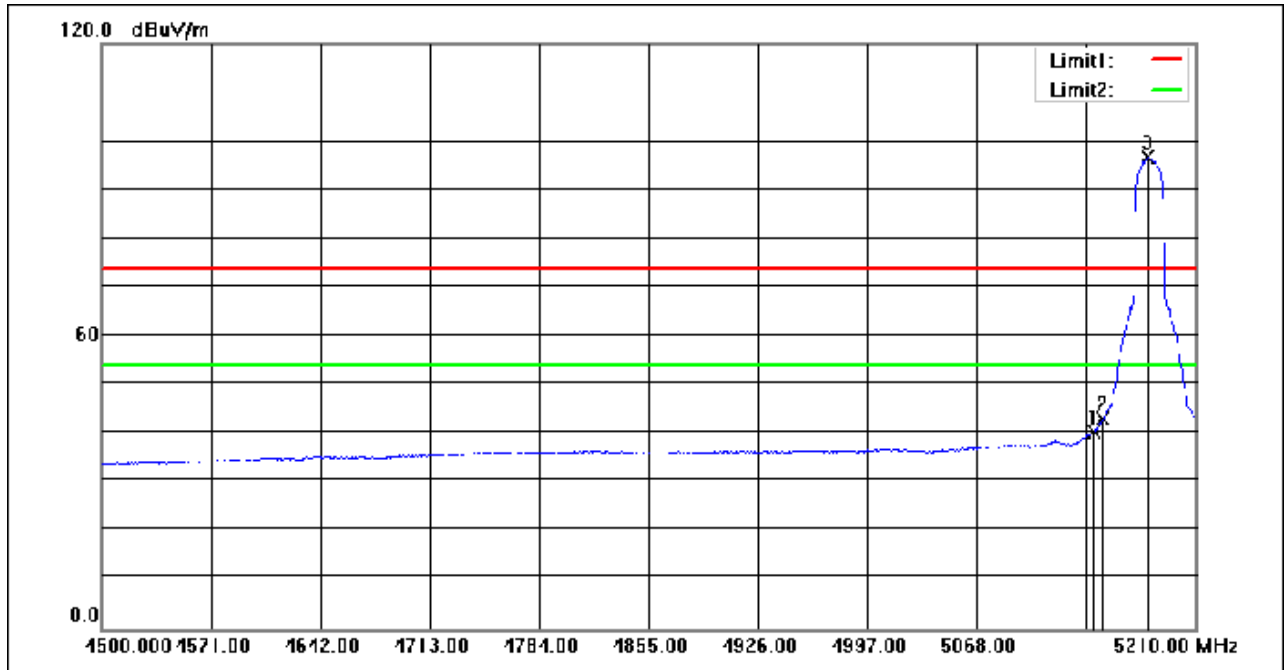
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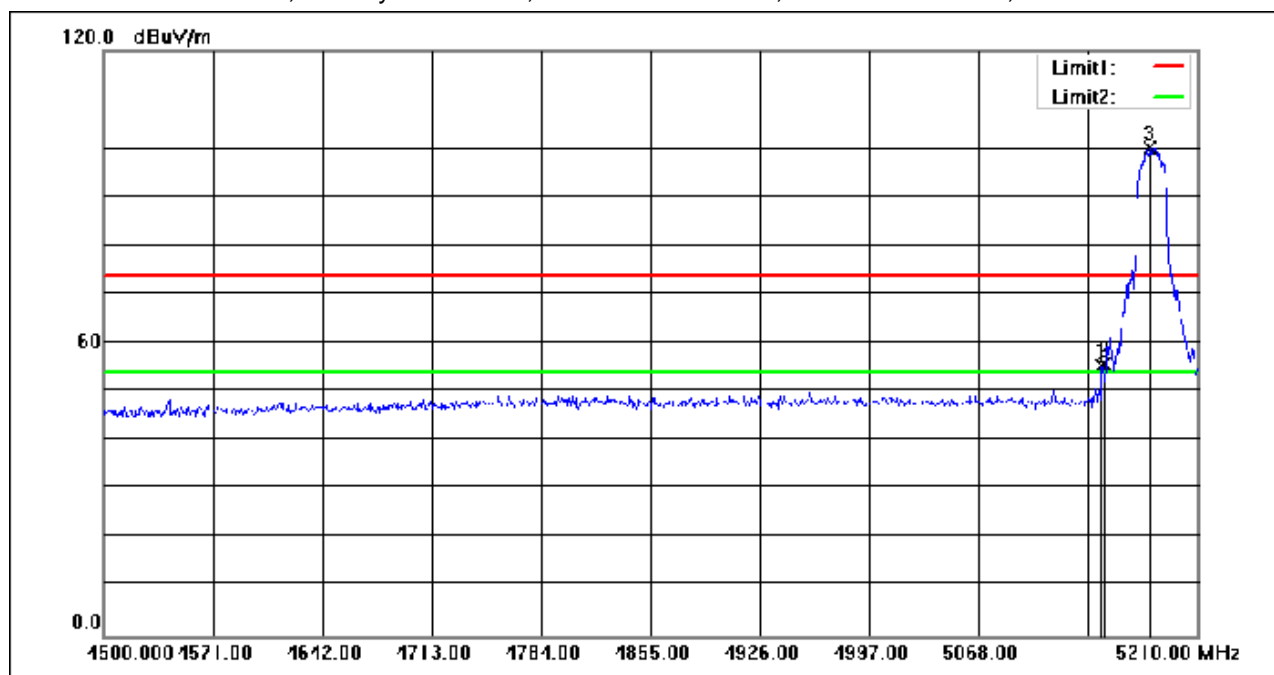
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.970	52.14	-11.77	40.37	54.00	-13.63	AVG
2	5150.000	54.95	-11.79	43.16	54.00	-10.84	AVG
3	5179.470	108.55	-11.86	96.69	54.00	42.69	AVG



Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5148.230	67.12	-11.79	55.33	74.00	-18.67	peak
2	5150.000	67.43	-11.79	55.64	74.00	-18.36	peak
3	5179.470	112.05	-11.86	100.19	74.00	26.19	peak



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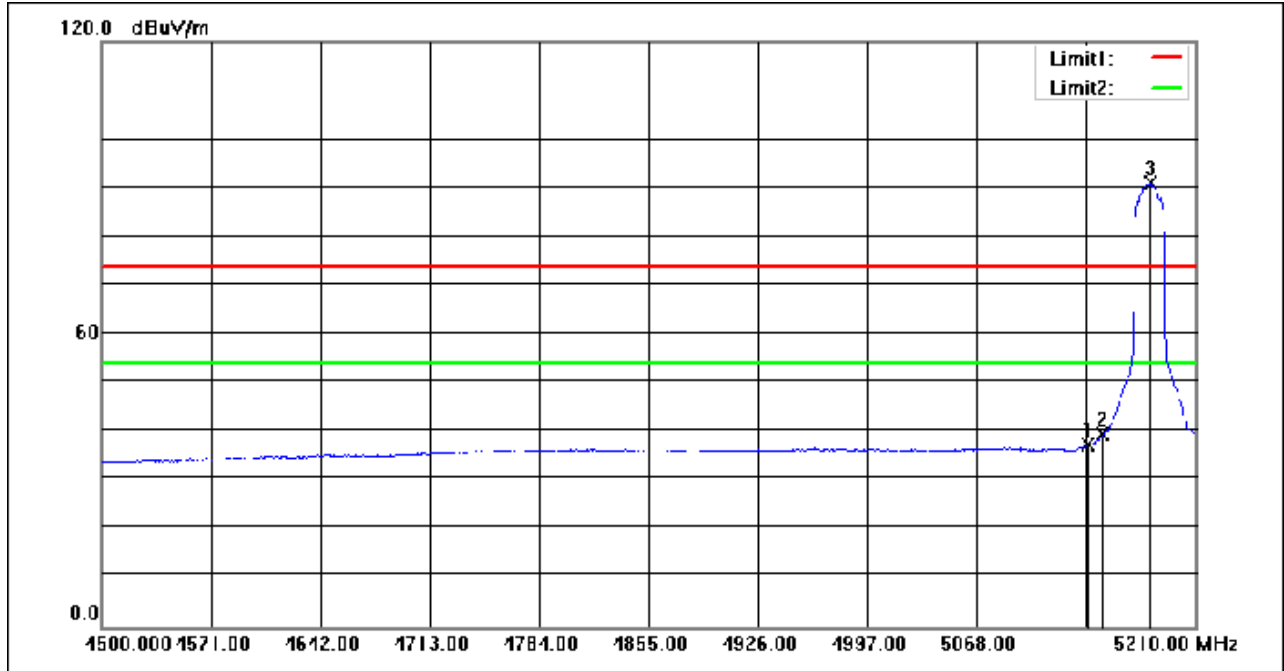
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5140.420	49.07	-11.76	37.31	54.00	-16.69	AVG
2	5150.000	51.17	-11.79	39.38	54.00	-14.62	AVG
3	5180.890	102.77	-11.87	90.90	54.00	36.90	AVG



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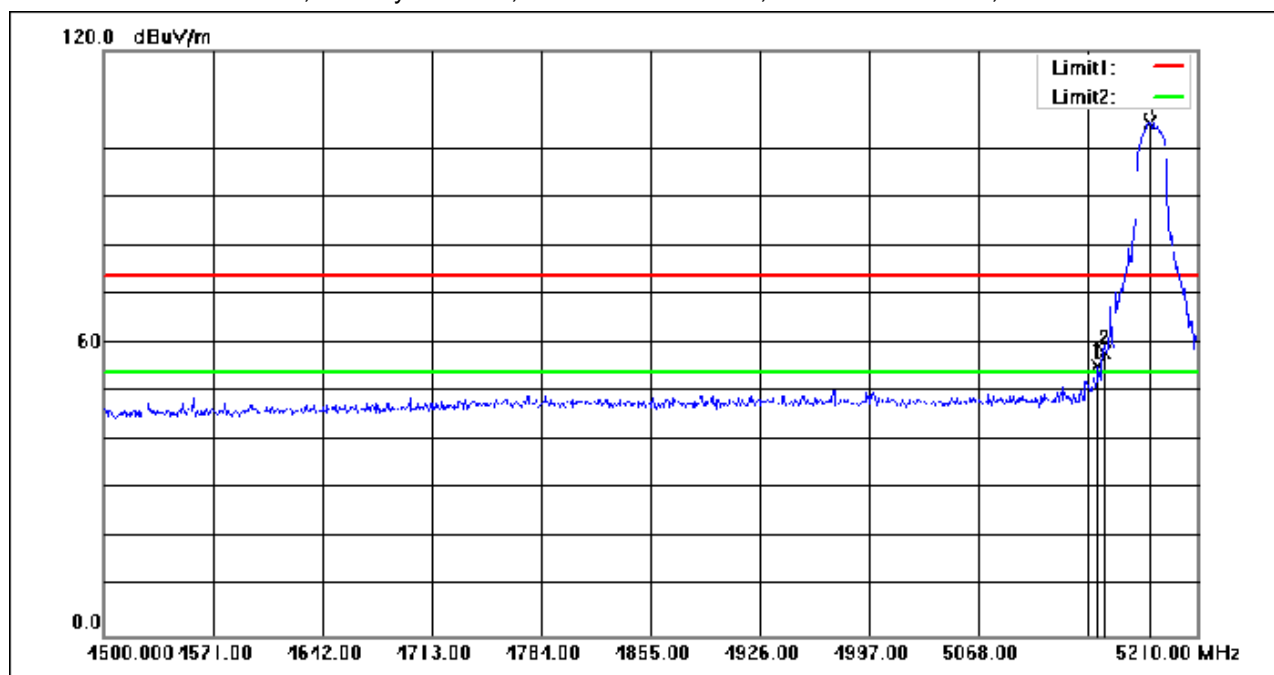
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5145.390	67.11	-11.77	55.34	74.00	-18.66	peak
2	5150.000	69.77	-11.79	57.98	74.00	-16.02	peak
3	5178.760	117.11	-11.86	105.25	74.00	31.25	peak



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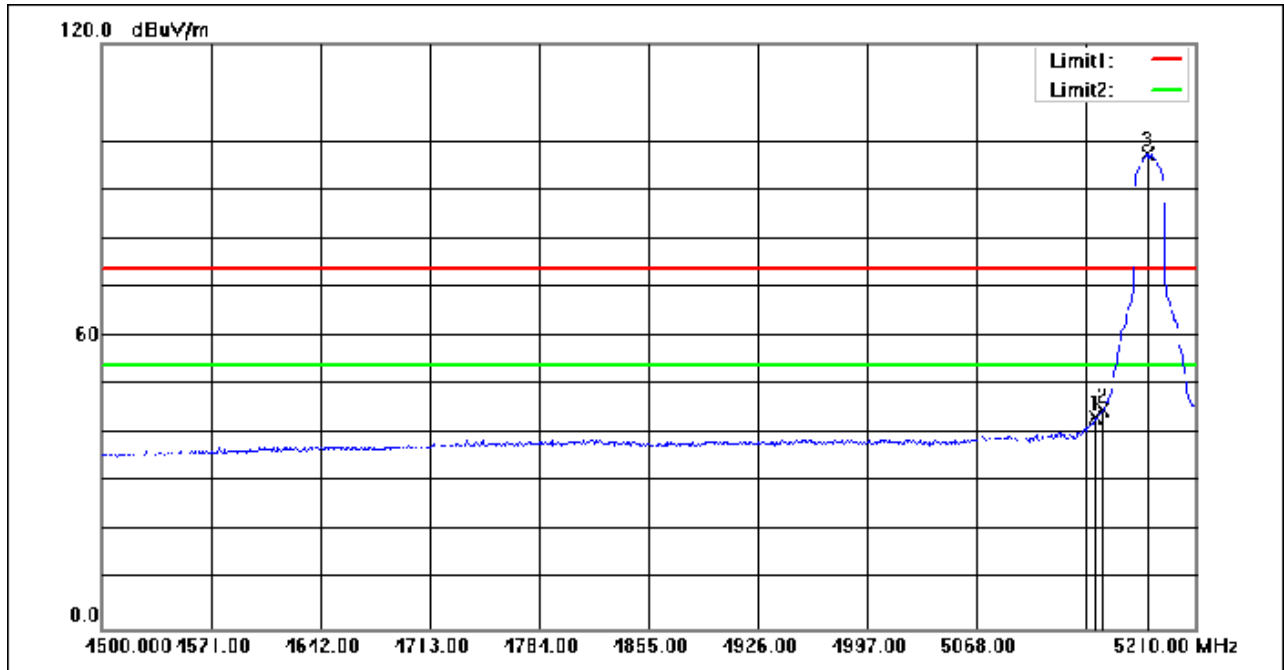
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5145.390	55.07	-11.77	43.30	54.00	-10.70	AVG
2	5150.000	56.57	-11.79	44.78	54.00	-9.22	AVG
3	5179.470	109.23	-11.86	97.37	54.00	43.37	AVG



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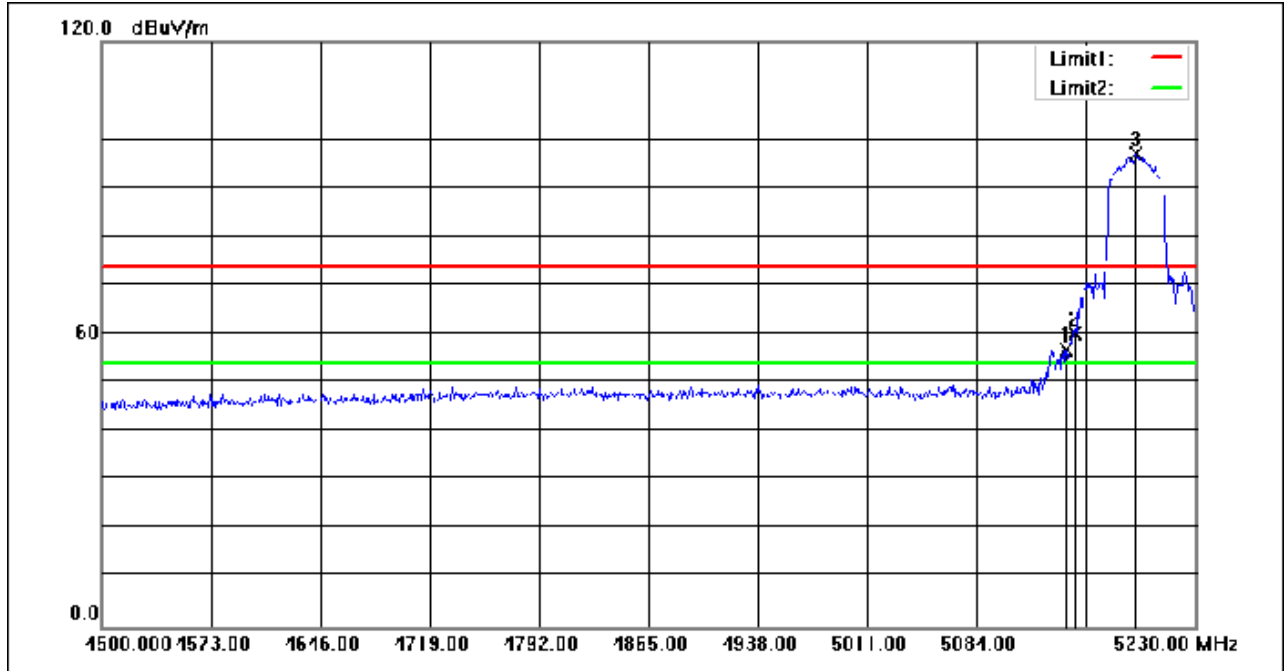
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.860	68.66	-11.77	56.89	74.00	-17.11	peak
2	5150.000	71.96	-11.79	60.17	74.00	-13.83	peak
3	5190.580	108.91	-11.89	97.02	74.00	23.02	peak



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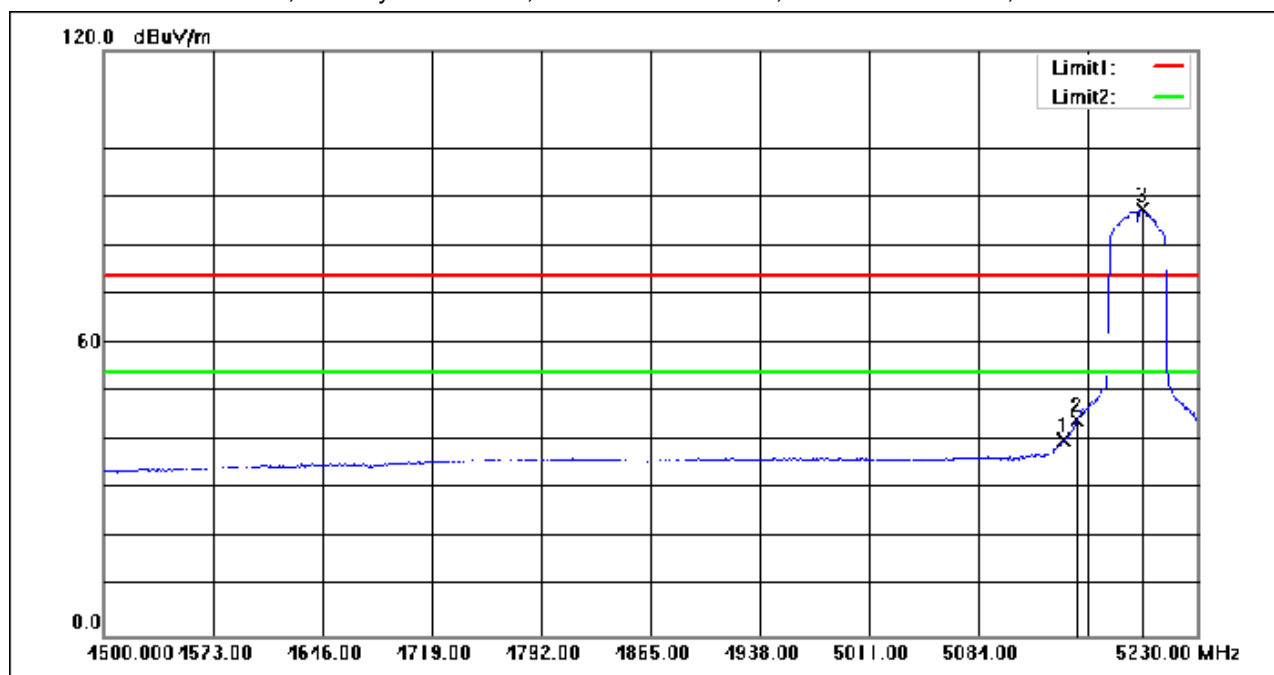
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5140.940	51.70	-11.76	39.94	54.00	-14.06	AVG
2	5150.000	56.09	-11.79	44.30	54.00	-9.70	AVG
3	5193.500	99.43	-11.89	87.54	54.00	33.54	AVG



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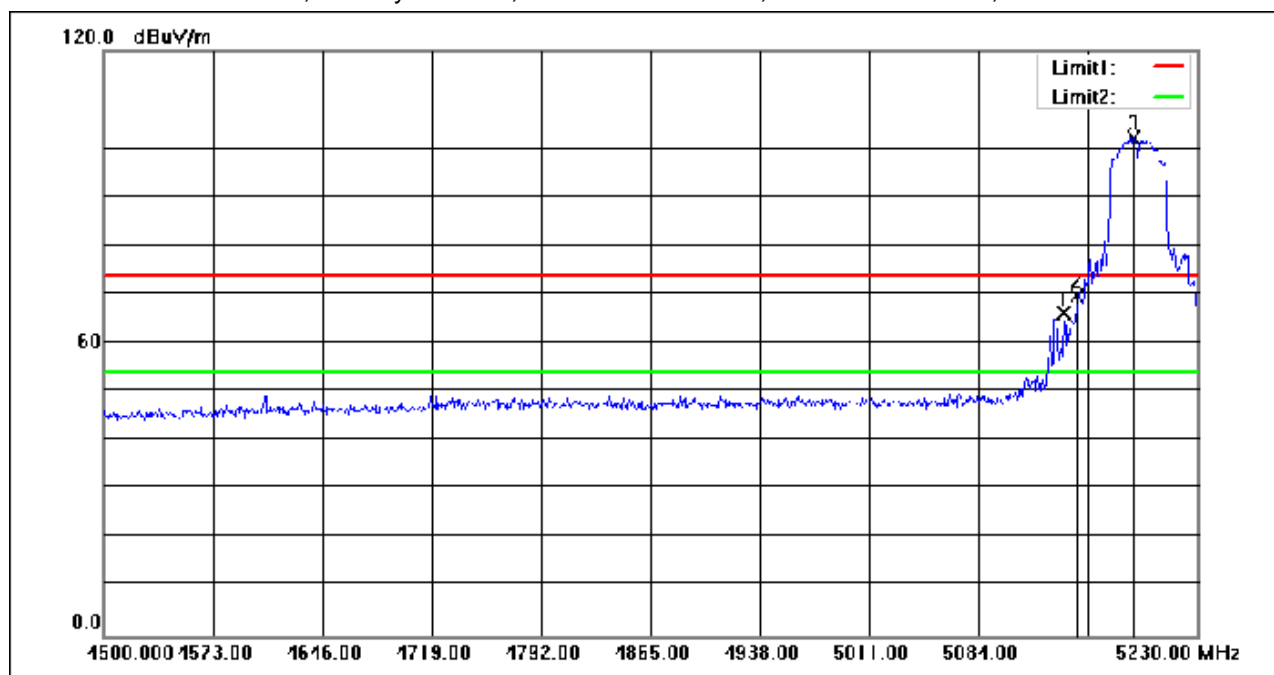
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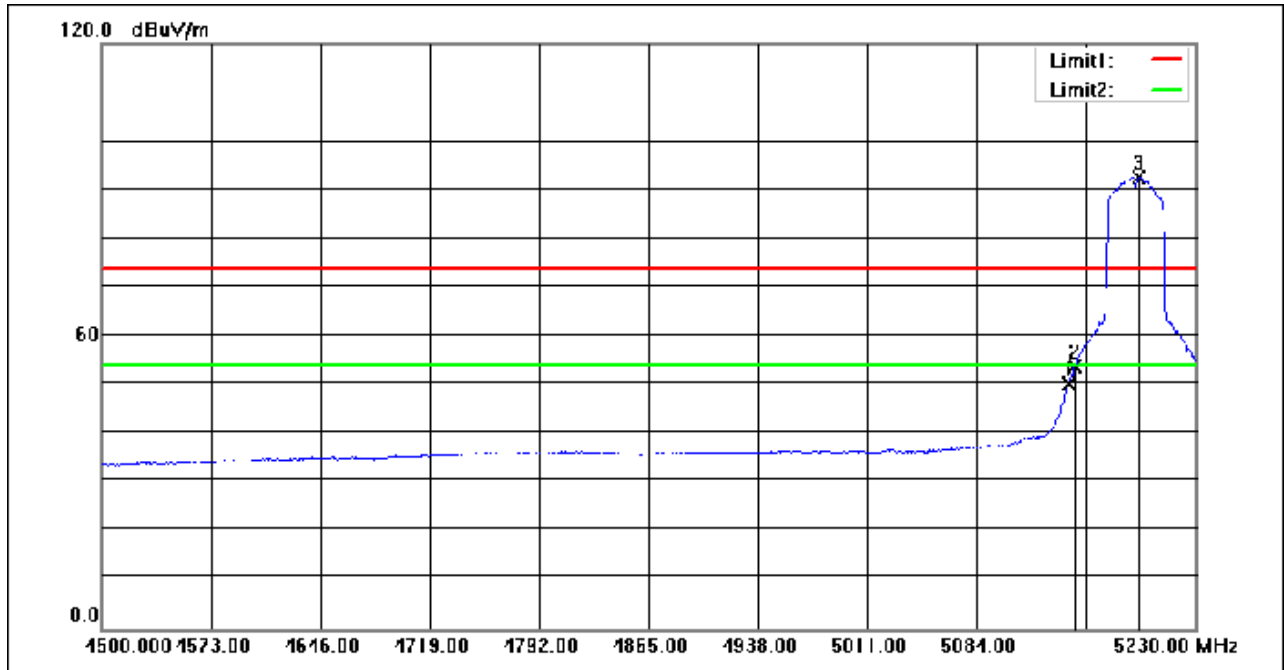
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5140.940	77.80	-11.76	66.04	74.00	-7.96	peak
2	5150.000	81.66	-11.79	69.87	74.00	-4.13	peak
3	5187.660	114.08	-11.88	102.20	74.00	28.20	peak



Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

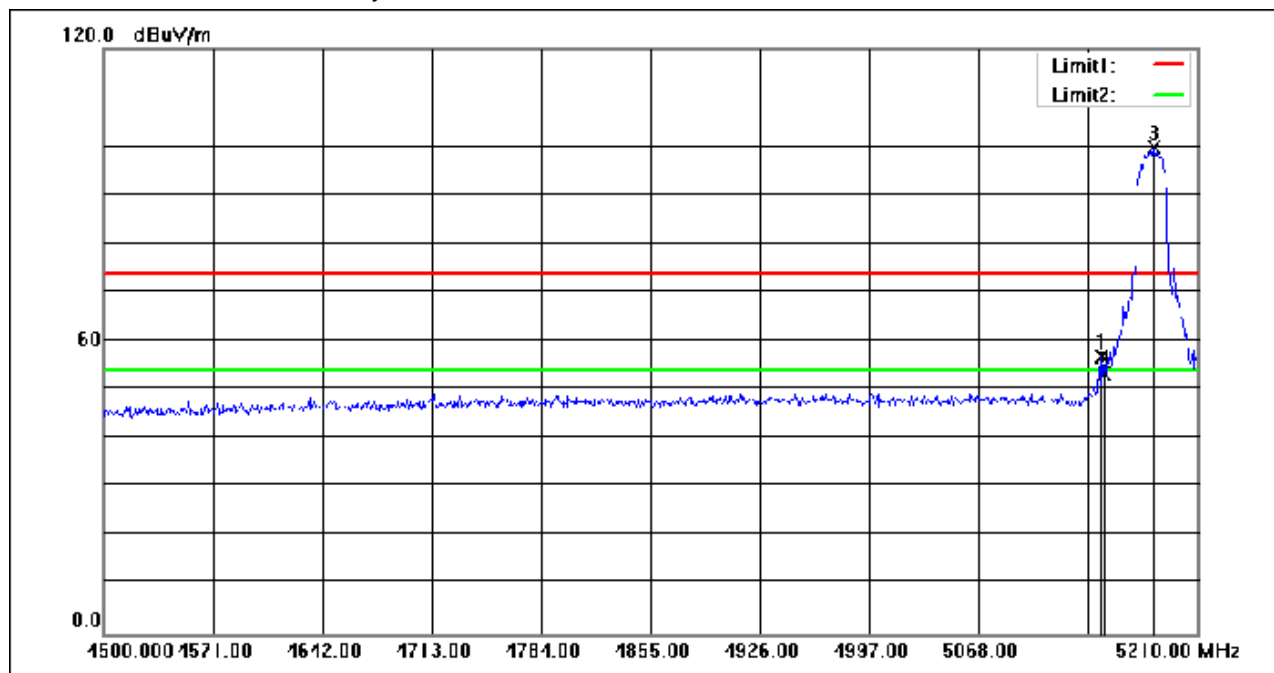


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.050	62.16	-11.78	50.38	54.00	-3.62	AVG
2	5150.000	65.60	-11.79	53.81	54.00	-0.19	AVG
3	5192.770	104.56	-11.89	92.67	54.00	38.67	AVG





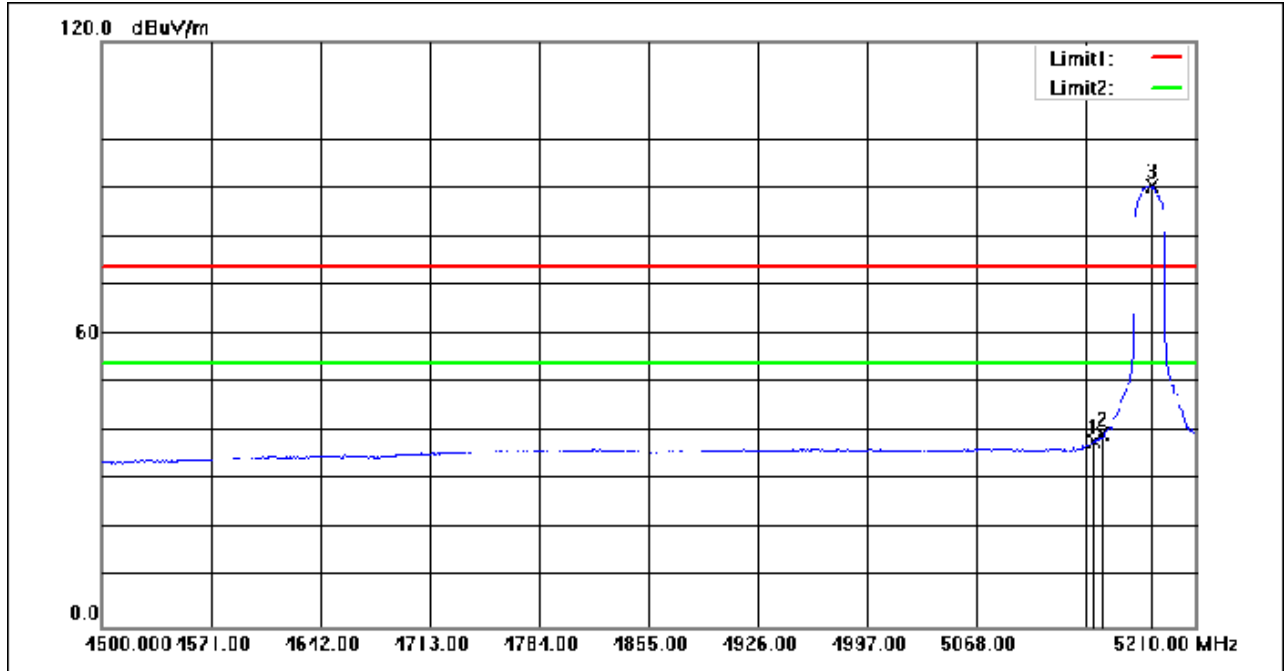
Test Mode: 05; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.520	68.53	-11.79	56.74	74.00	-17.26	peak
2	5150.000	65.00	-11.79	53.21	74.00	-20.79	peak
3	5181.600	111.66	-11.87	99.79	74.00	25.79	peak



Test Mode: 05; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5143.970	49.82	-11.77	38.05	54.00	-15.95	AVG
2	5150.000	51.32	-11.79	39.53	54.00	-14.47	AVG
3	5181.600	102.41	-11.87	90.54	54.00	36.54	AVG



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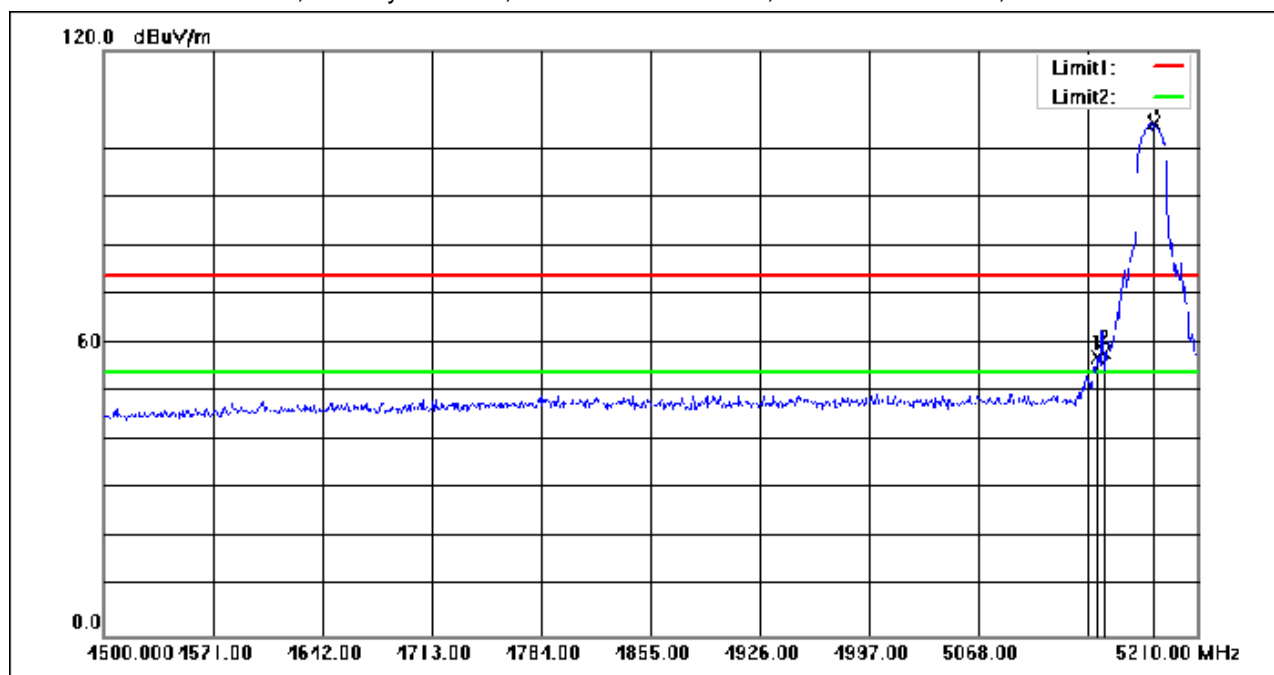
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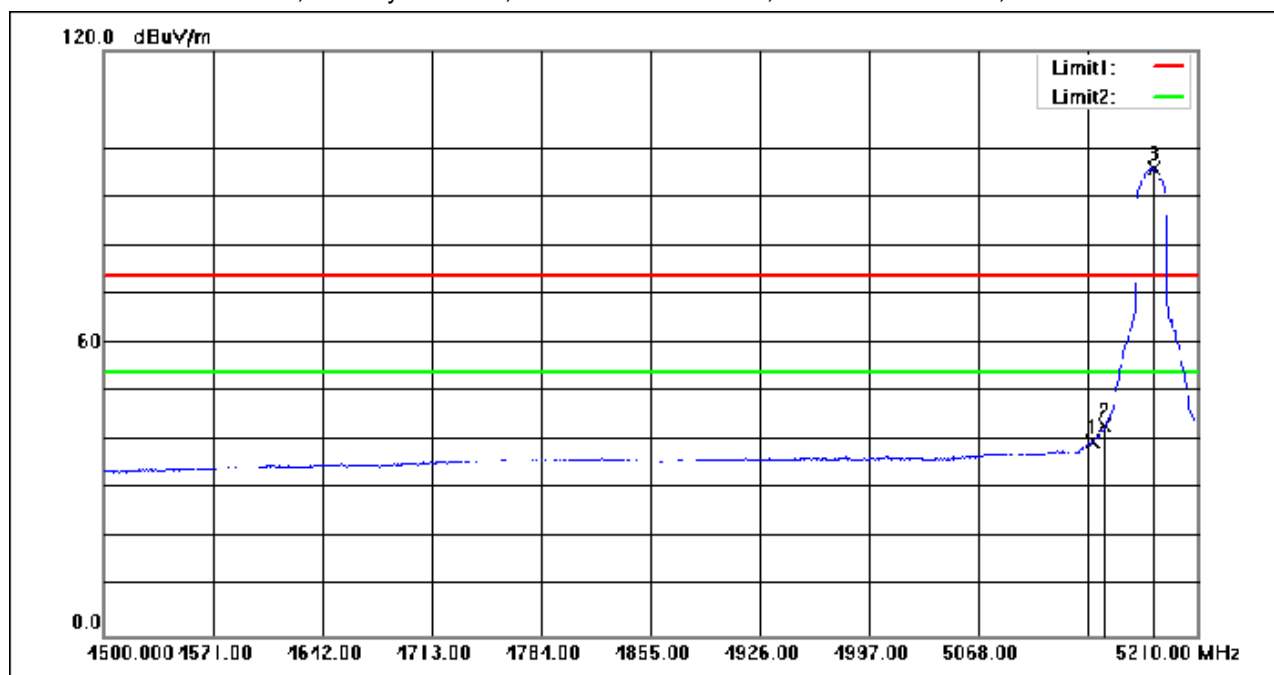
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.680	69.04	-11.77	57.27	74.00	-16.73	peak
2	5150.000	69.91	-11.79	58.12	74.00	-15.88	peak
3	5181.600	117.17	-11.87	105.30	74.00	31.30	peak



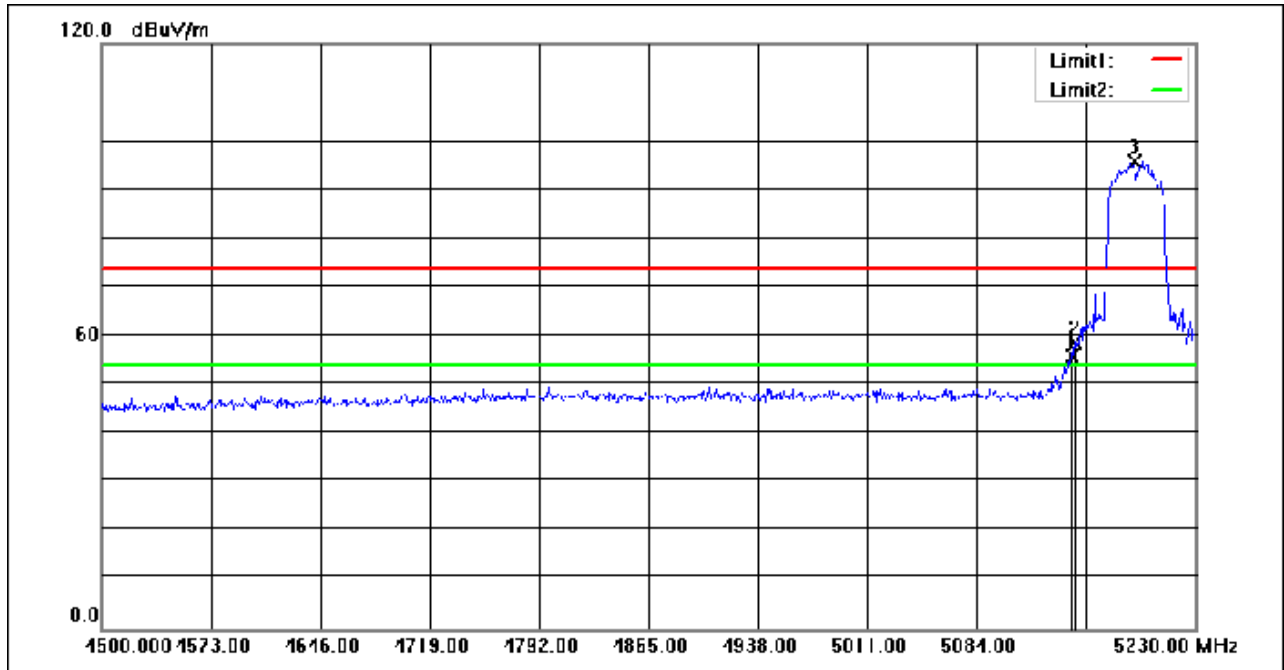
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5141.840	51.66	-11.76	39.90	54.00	-14.10	AVG
2	5150.000	54.77	-11.79	42.98	54.00	-11.02	AVG
3	5181.600	107.73	-11.87	95.86	54.00	41.86	AVG



Test Mode: 05; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 40MHz; Channel: Low

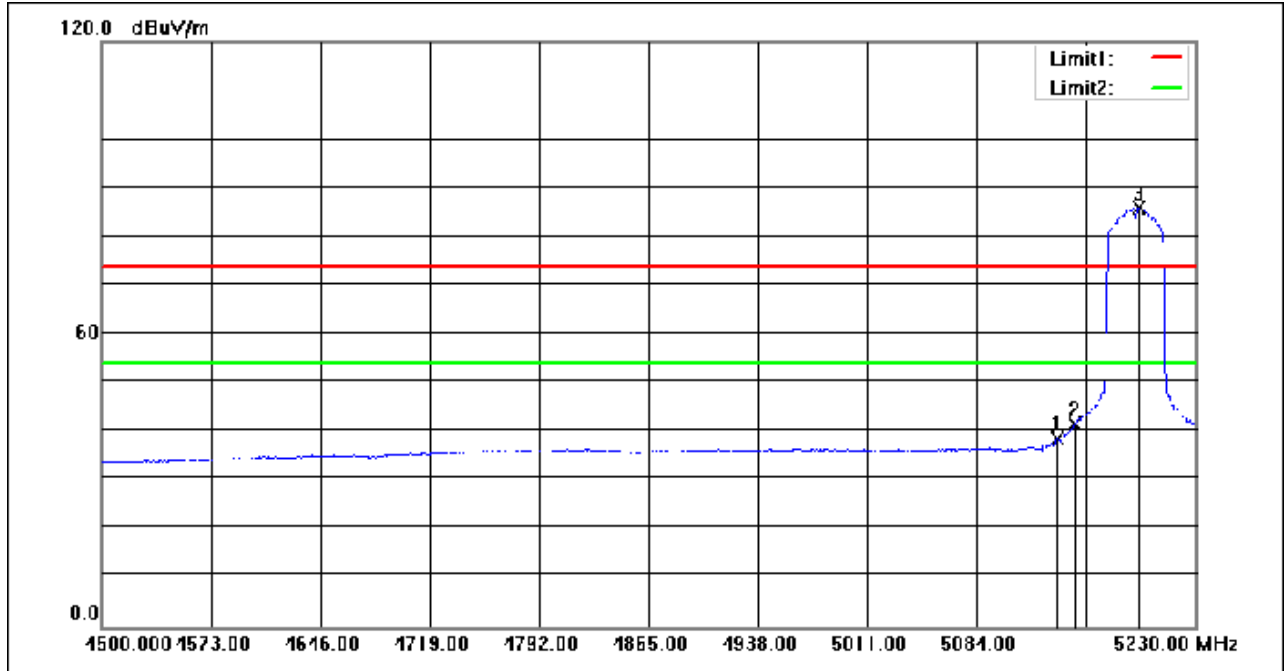


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5147.510	67.77	-11.79	55.98	74.00	-18.02	peak
2	5150.000	70.59	-11.79	58.80	74.00	-15.20	peak
3	5189.120	107.64	-11.89	95.75	74.00	21.75	peak





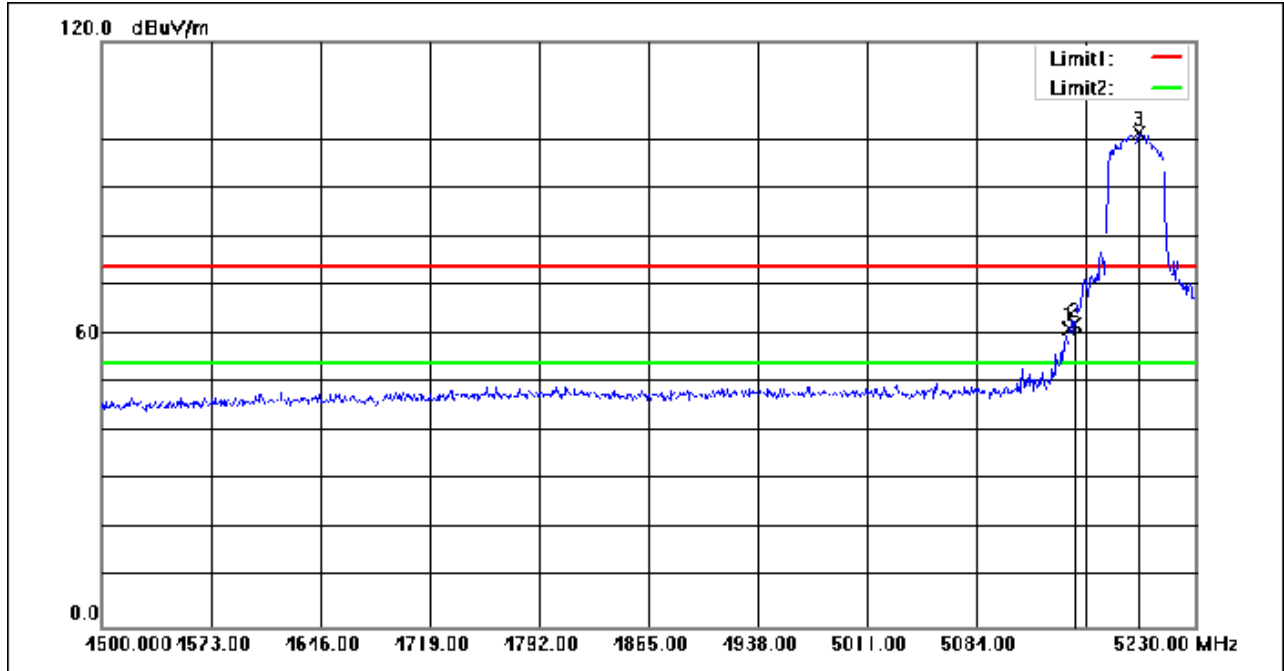
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5138.020	50.21	-11.76	38.45	54.00	-15.55	AVG
2	5150.000	53.40	-11.79	41.61	54.00	-12.39	AVG
3	5192.770	97.96	-11.89	86.07	54.00	32.07	AVG



Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.050	72.69	-11.78	60.91	74.00	-13.09	peak
2	5150.000	73.79	-11.79	62.00	74.00	-12.00	peak
3	5192.040	113.21	-11.89	101.32	74.00	27.32	peak



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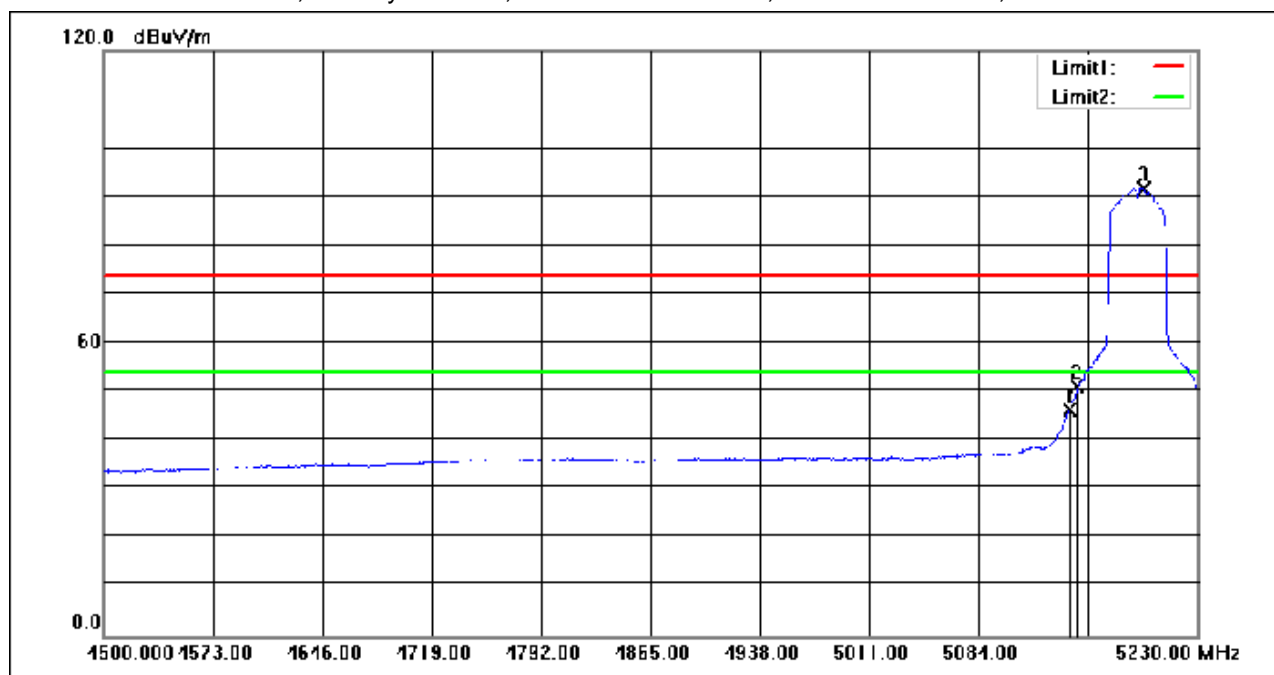
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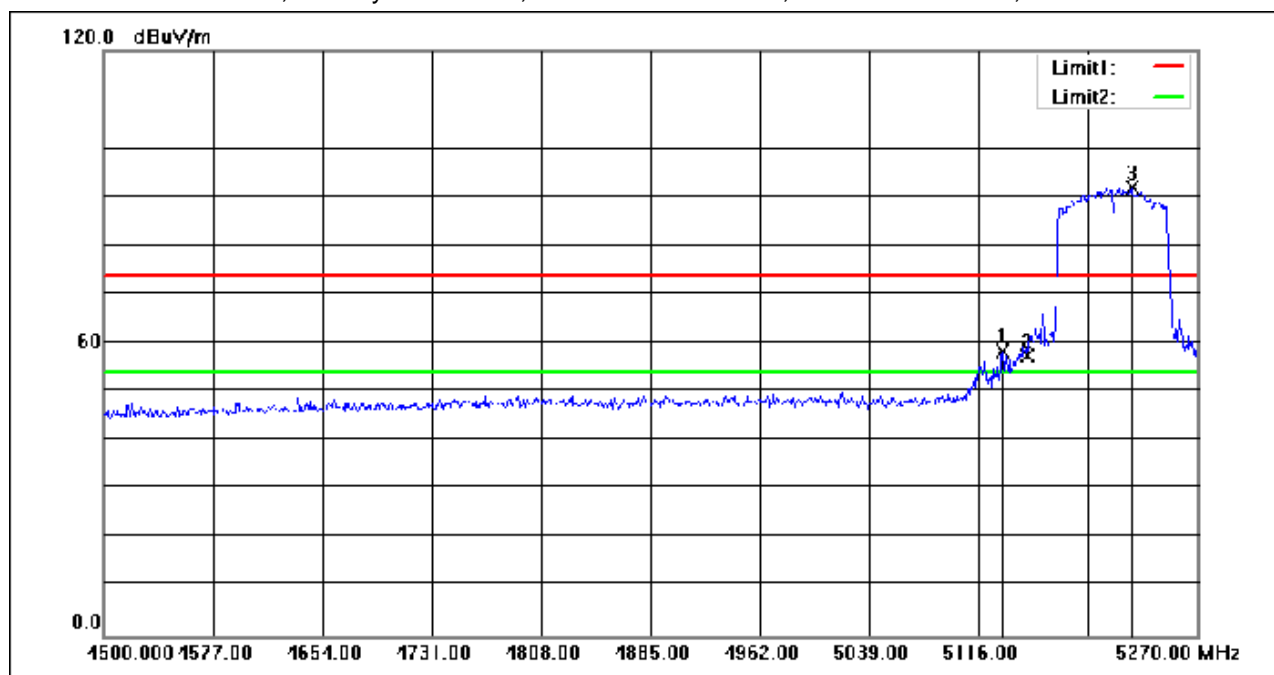
Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.590	57.99	-11.77	46.22	54.00	-7.78	AVG
2	5150.000	62.82	-11.79	51.03	54.00	-2.97	AVG
3	5194.230	103.62	-11.89	91.73	54.00	37.73	AVG



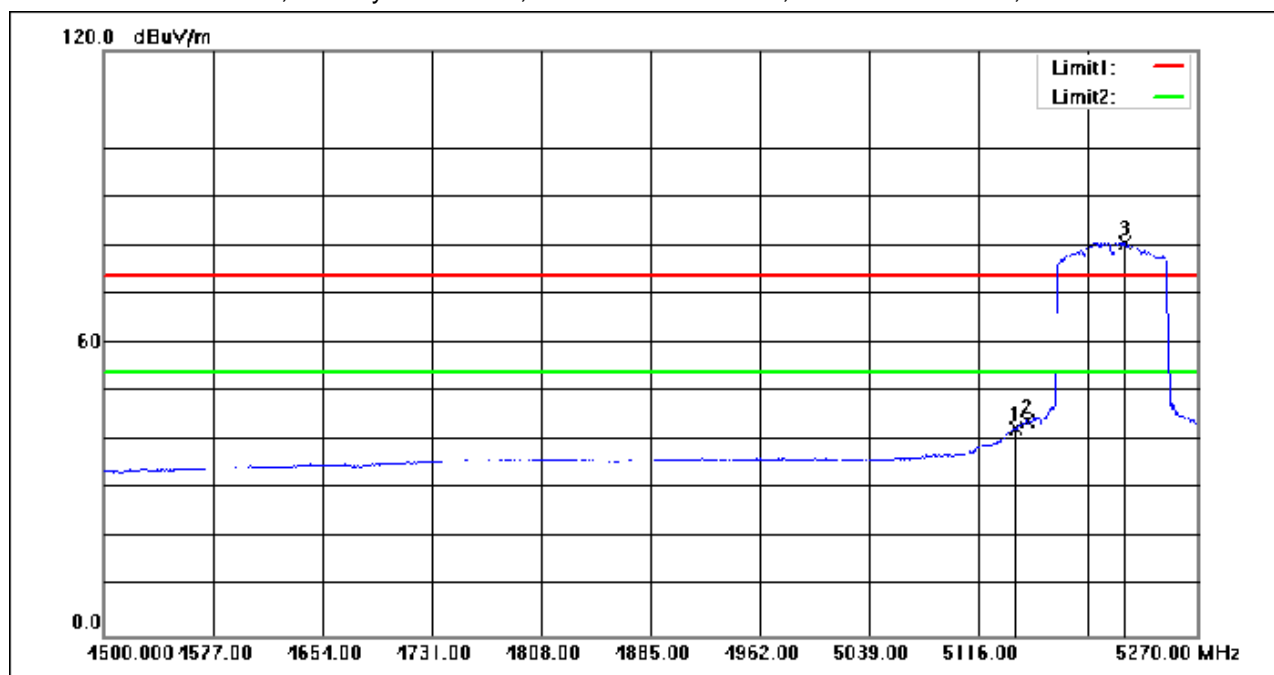
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5132.940	70.18	-11.74	58.44	74.00	-15.56	peak
2	5150.000	69.33	-11.79	57.54	74.00	-16.46	peak
3	5223.800	103.95	-11.97	91.98	74.00	17.98	peak



Test Mode: 05; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 80MHz; Channel: Low

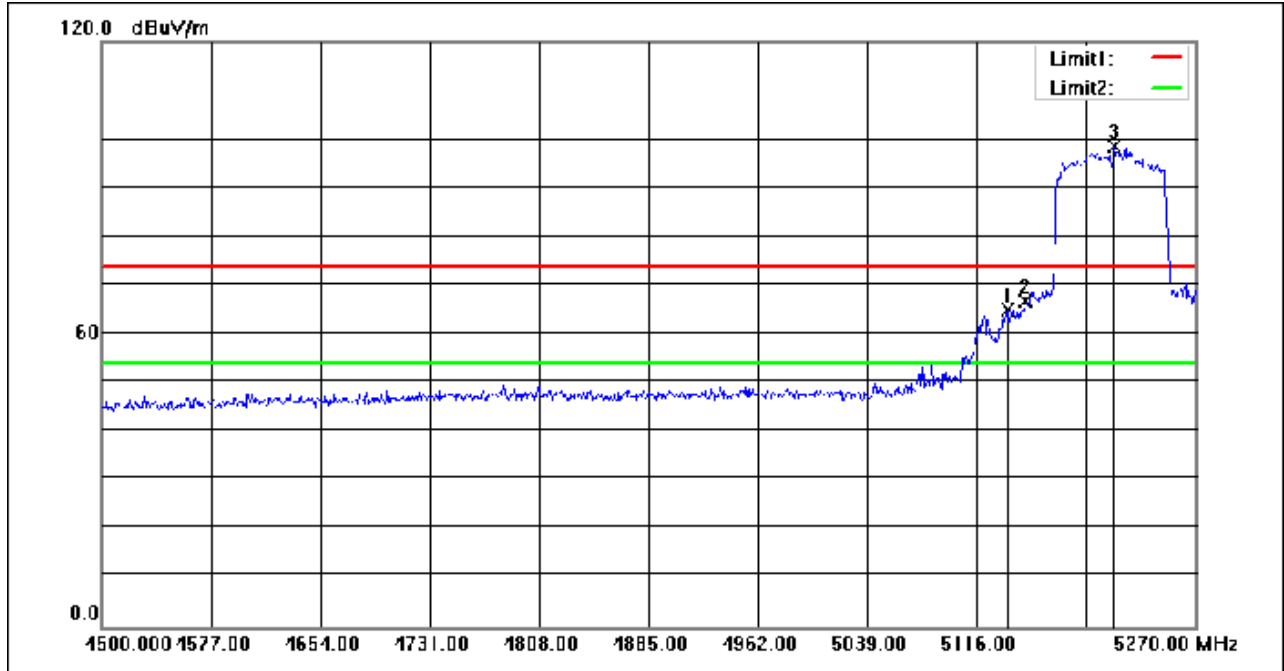


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5142.180	54.24	-11.77	42.47	54.00	-11.53	AVG
2	5150.000	55.84	-11.79	44.05	54.00	-9.95	AVG
3	5219.180	92.64	-11.95	80.69	54.00	26.69	AVG





Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5138.330	76.81	-11.76	65.05	74.00	-8.95	peak
2	5150.000	78.48	-11.79	66.69	74.00	-7.31	peak
3	5213.020	110.36	-11.94	98.42	74.00	24.42	peak



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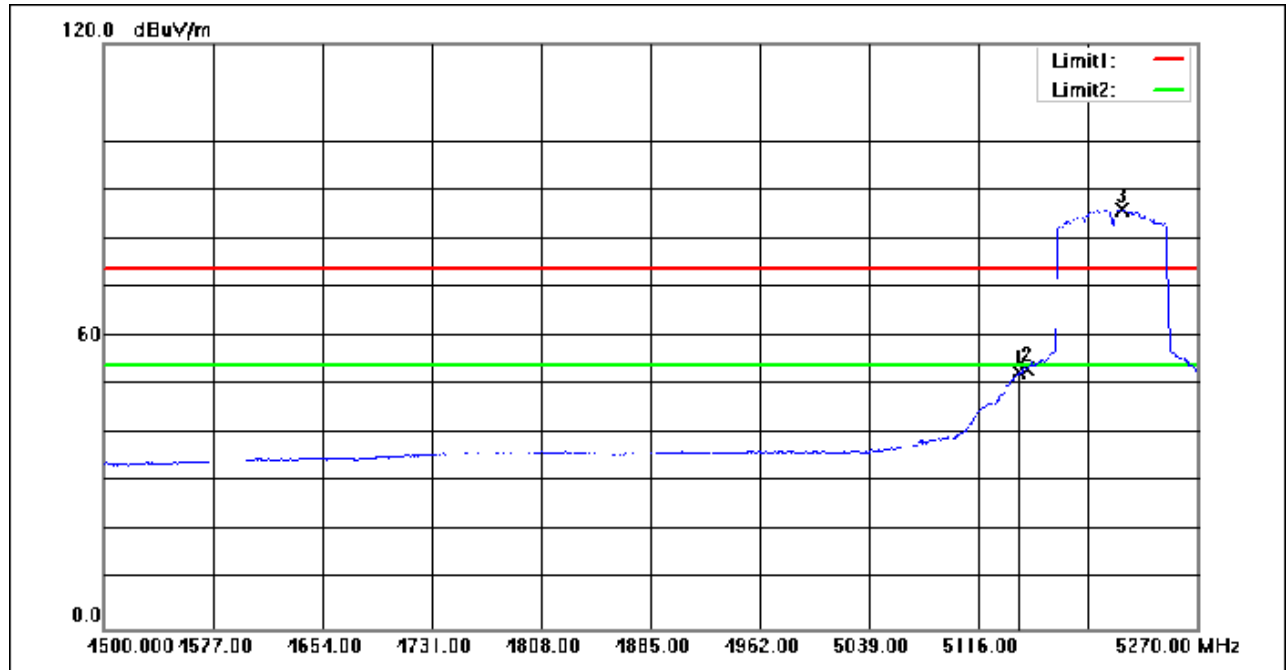
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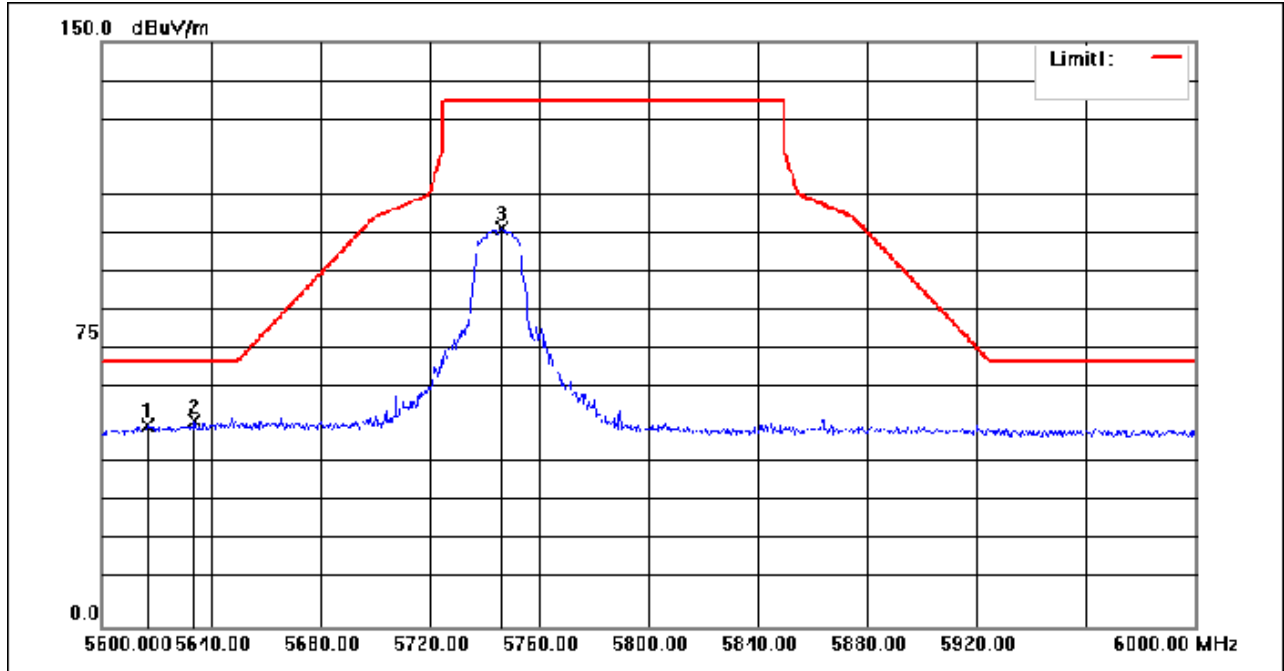
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.490	64.33	-11.77	52.56	54.00	-1.44	AVG
2	5150.000	65.03	-11.79	53.24	54.00	-0.76	AVG
3	5216.870	98.02	-11.95	86.07	54.00	32.07	AVG



Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5616.800	61.88	-10.41	51.47	68.20	-16.73	peak
2	5634.000	63.10	-10.35	52.75	68.20	-15.45	peak
3	5746.400	112.36	-10.03	102.33	135.00	-32.67	peak



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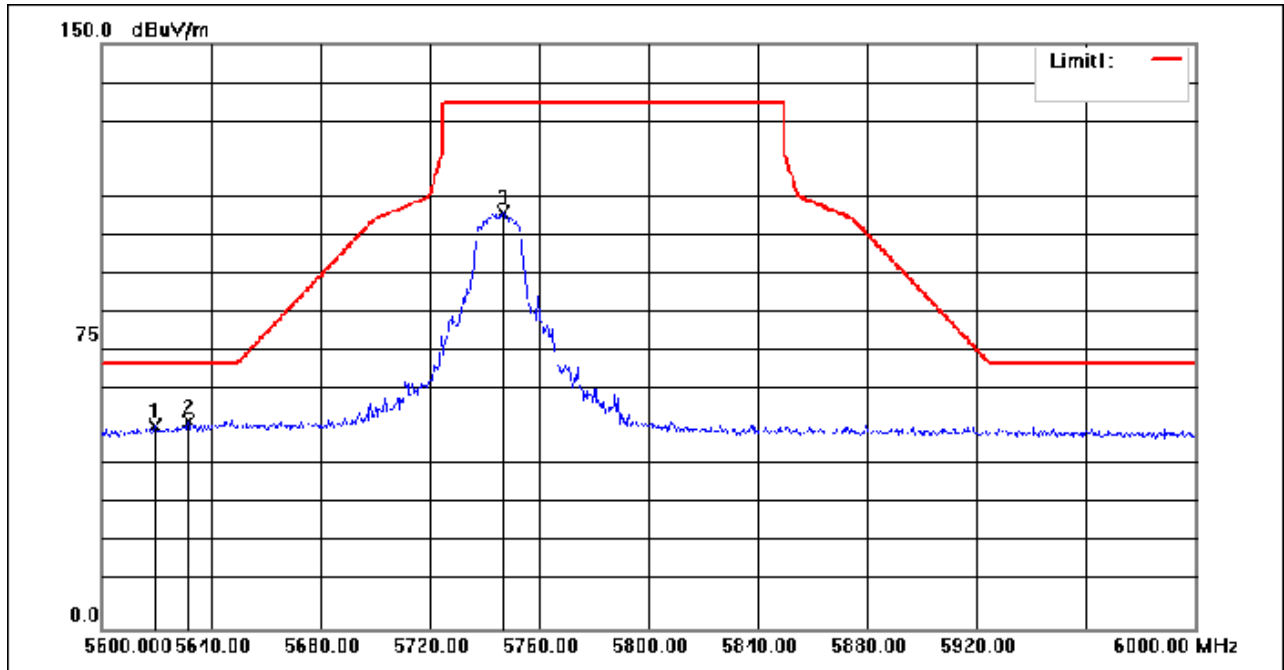
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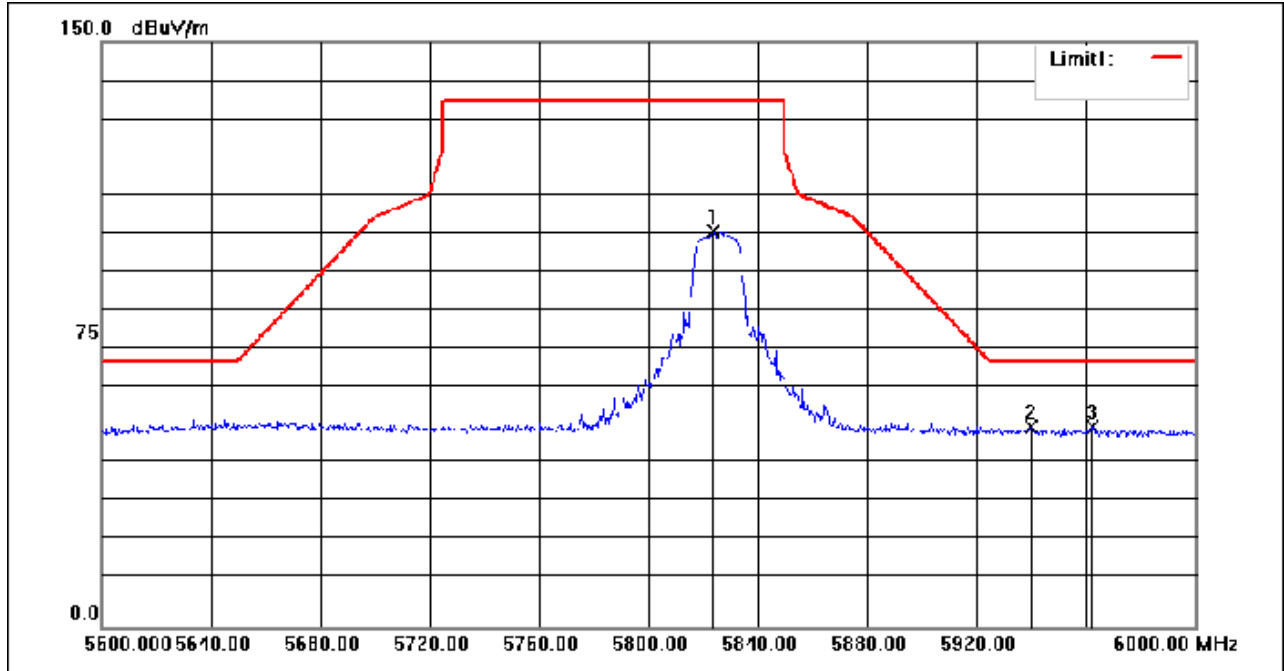
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5619.600	62.30	-10.40	51.90	68.20	-16.30	peak
2	5631.600	63.28	-10.36	52.92	68.20	-15.28	peak
3	5746.800	116.59	-10.03	106.56	135.00	-28.44	peak



Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.600	111.66	-10.07	101.59	135.00	-33.41	peak
2	5940.000	61.18	-10.09	51.09	68.20	-17.11	peak
3	5962.400	61.29	-10.09	51.20	68.20	-17.00	peak



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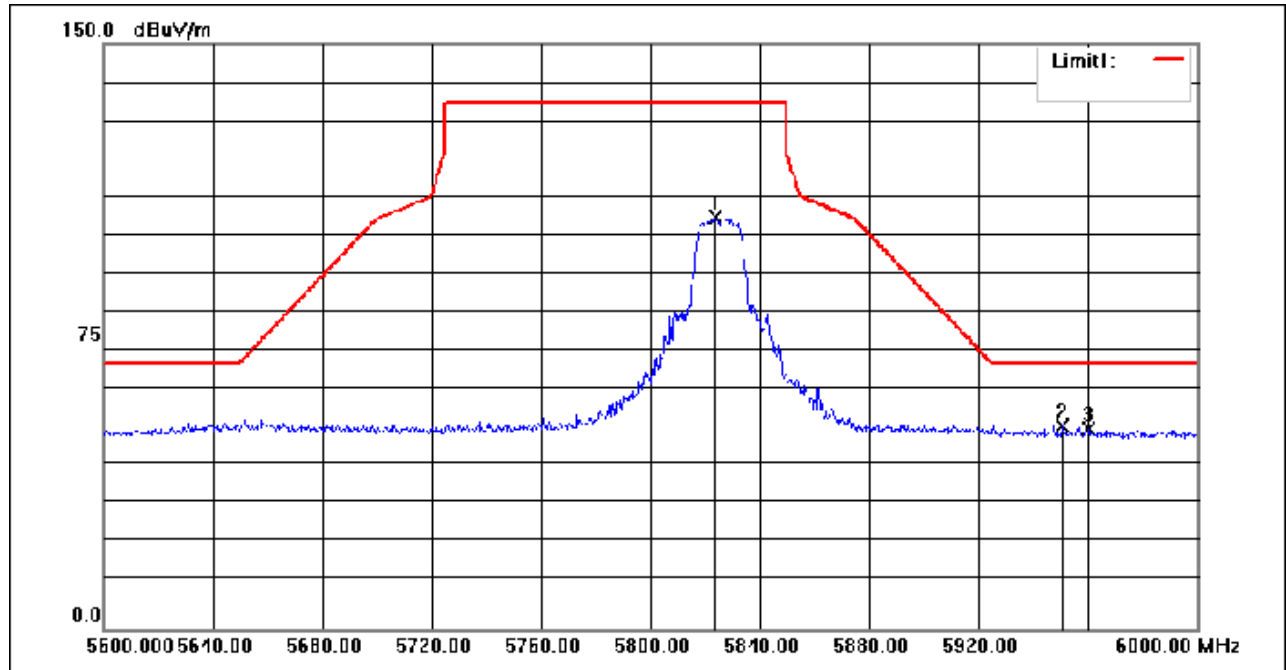
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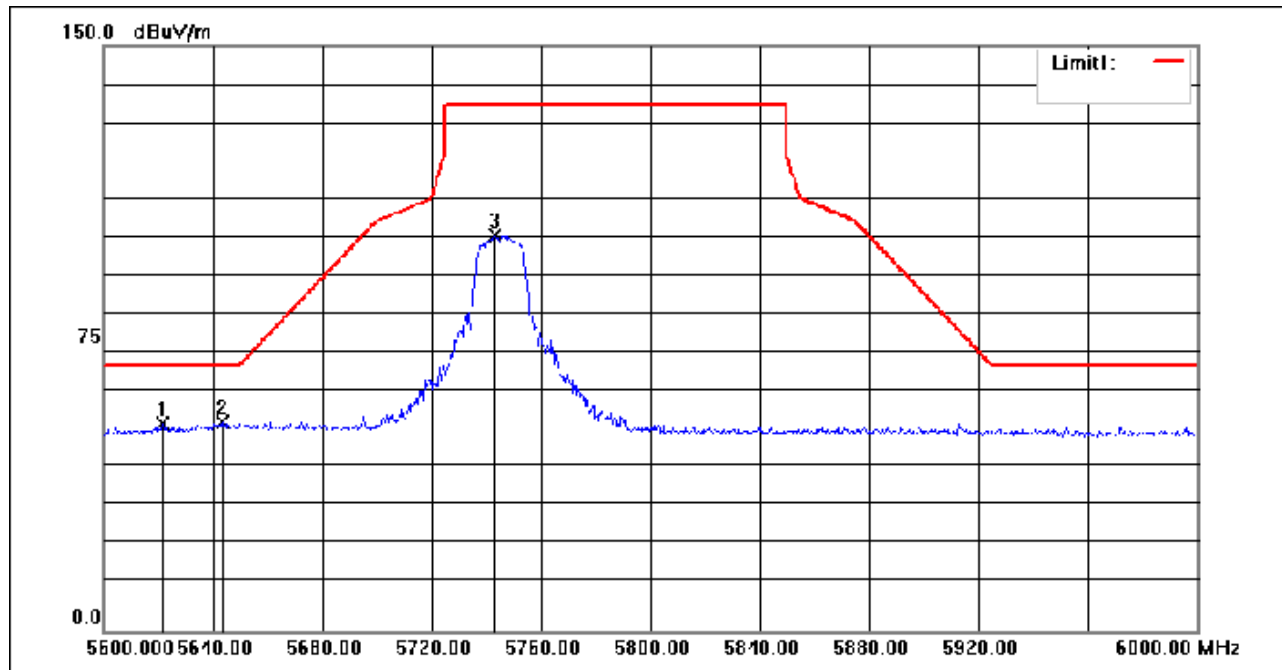
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.600	115.47	-10.07	105.40	135.00	-29.60	peak
2	5950.400	62.01	-10.09	51.92	68.20	-16.28	peak
3	5960.400	61.22	-10.09	51.13	68.20	-17.07	peak



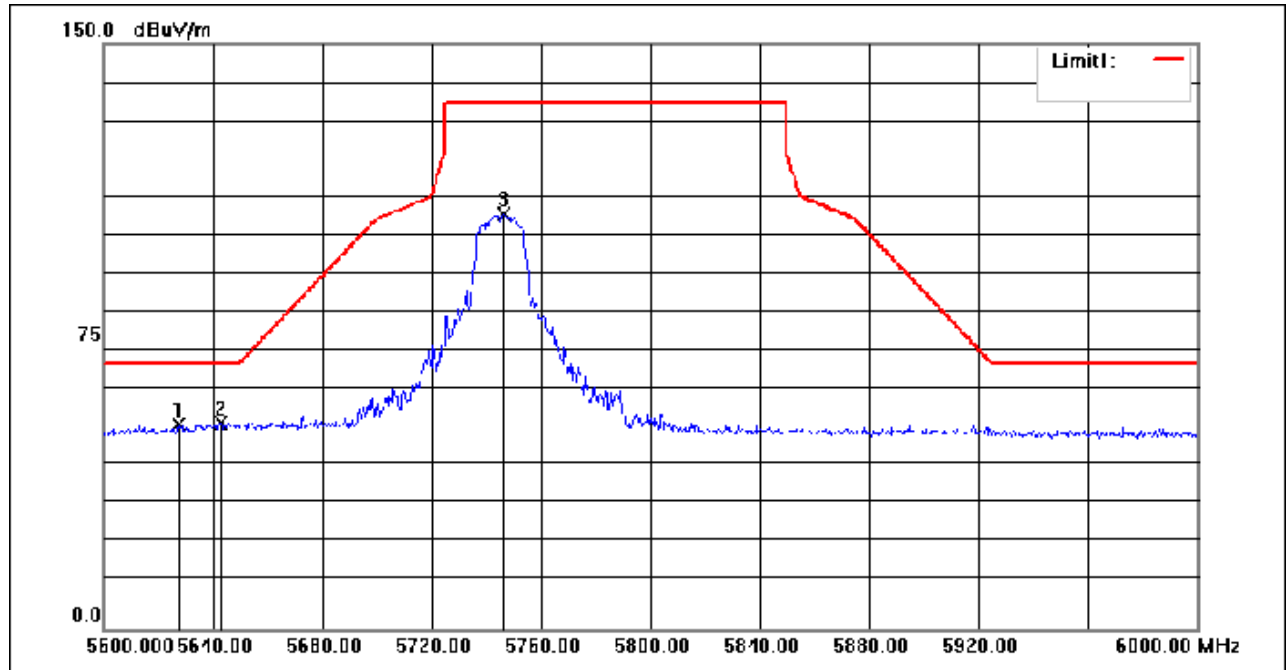
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5621.600	63.55	-10.40	53.15	68.20	-15.05	peak
2	5643.200	63.88	-10.31	53.57	68.20	-14.63	peak
3	5743.200	111.50	-10.04	101.46	135.00	-33.54	peak



Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5627.200	62.64	-10.37	52.27	68.20	-15.93	peak
2	5642.800	63.17	-10.32	52.85	68.20	-15.35	peak
3	5746.400	116.45	-10.03	106.42	135.00	-28.58	peak



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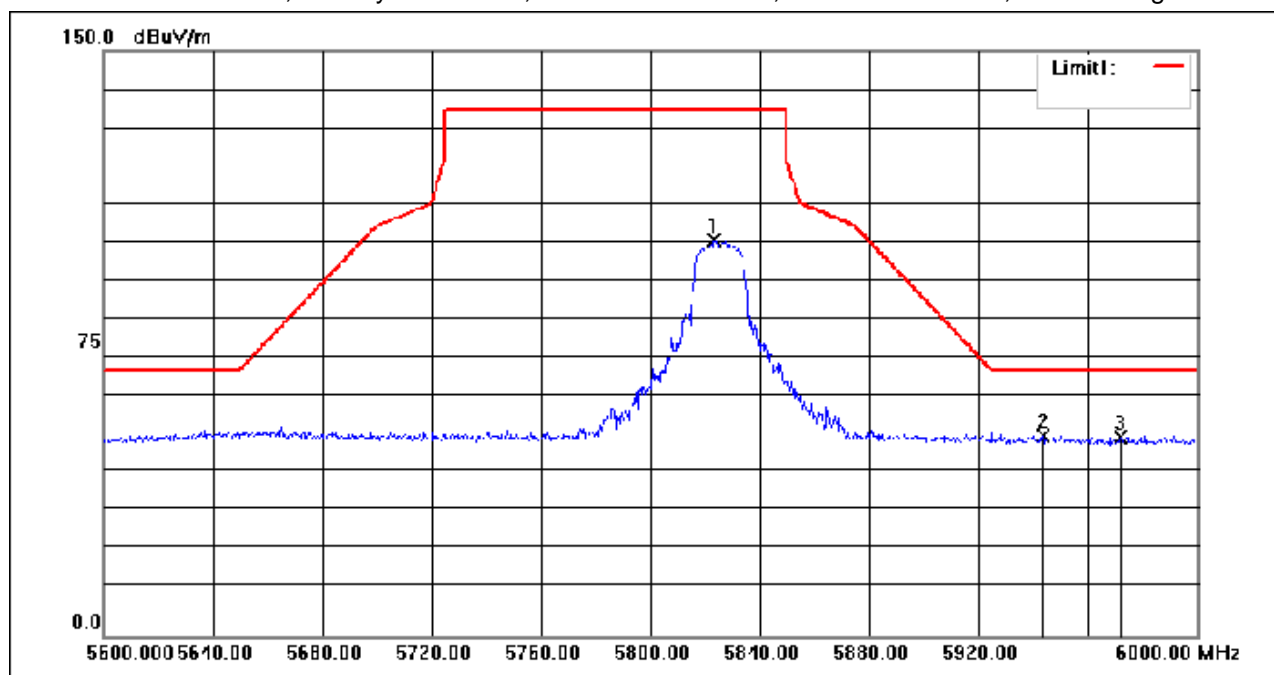
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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.200	111.36	-10.07	101.29	135.00	-33.71	peak
2	5943.600	61.34	-10.09	51.25	68.20	-16.95	peak
3	5972.000	61.06	-10.09	50.97	68.20	-17.23	peak



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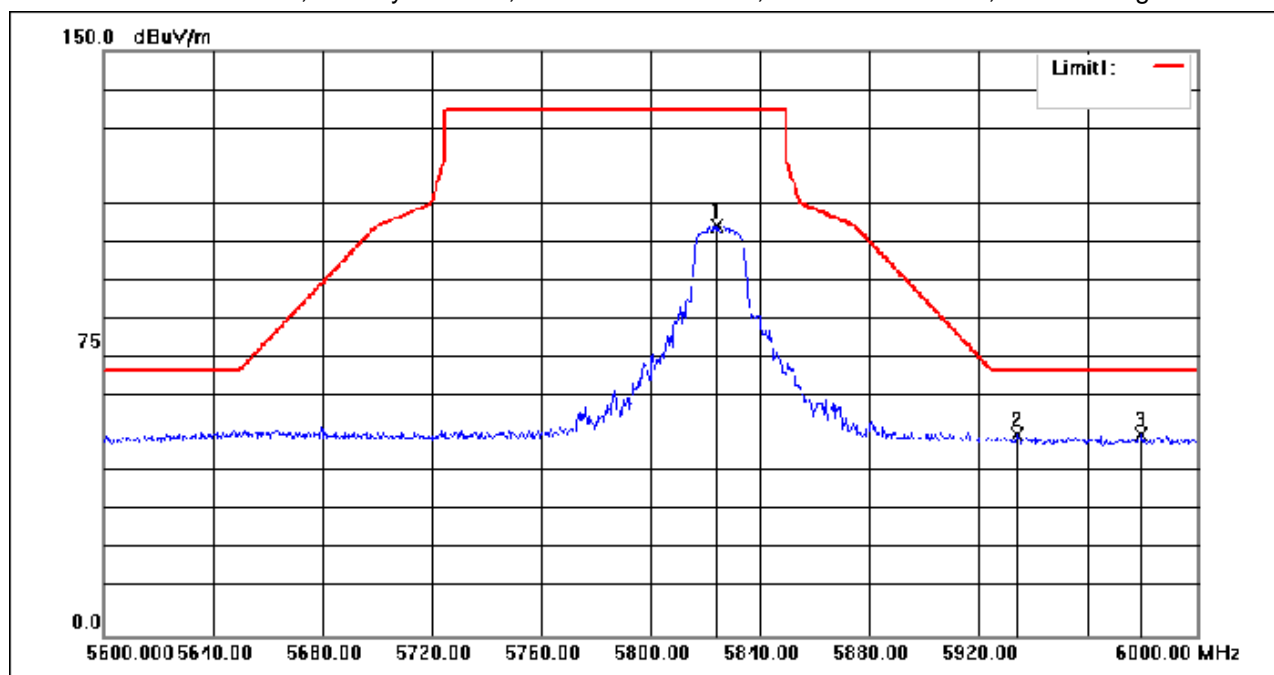
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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

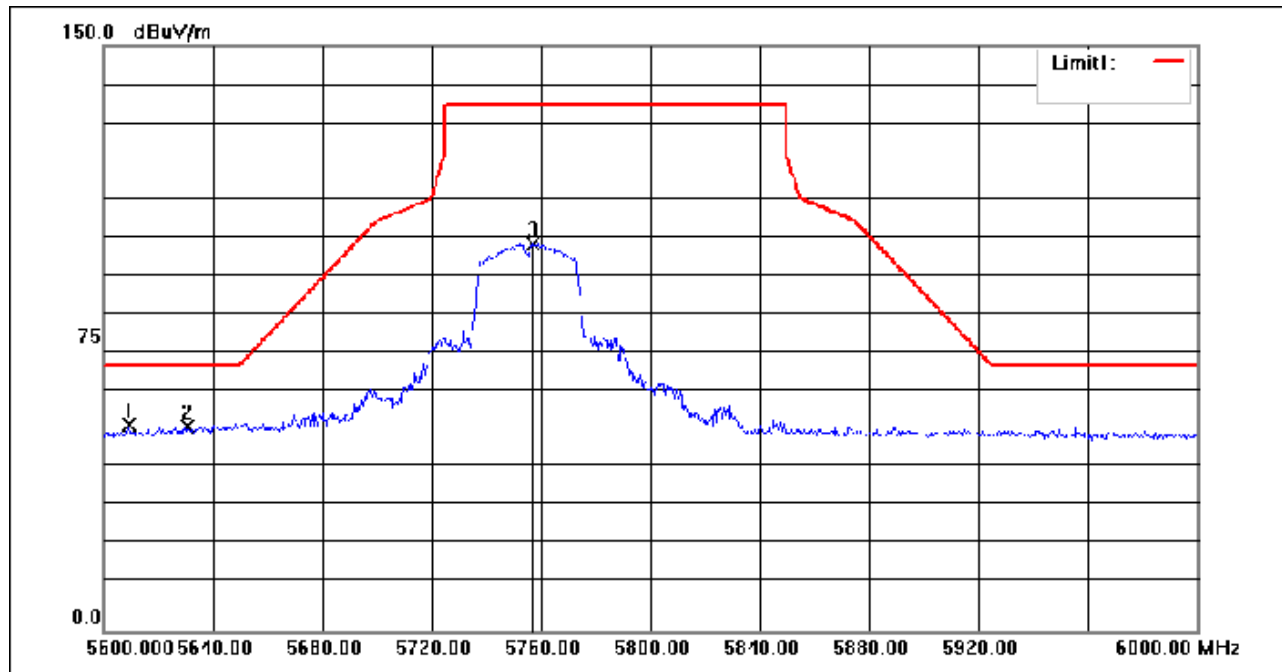


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5824.000	115.35	-10.08	105.27	135.00	-29.73	peak
2	5934.000	61.49	-10.09	51.40	68.20	-16.80	peak
3	5979.600	61.75	-10.09	51.66	68.20	-16.54	peak





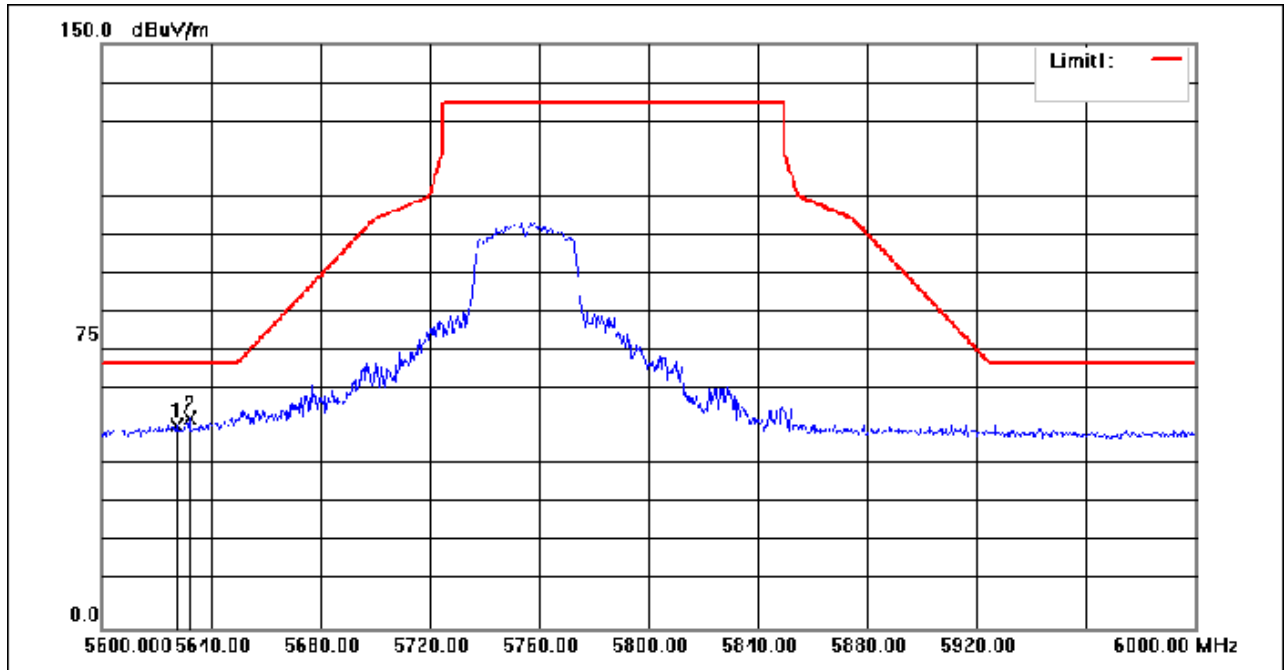
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5609.200	63.23	-10.43	52.80	68.20	-15.40	peak
2	5630.400	62.64	-10.36	52.28	68.20	-15.92	peak
3	5756.800	109.24	-10.04	99.20	135.00	-35.80	peak



Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5627.200	62.45	-10.37	52.08	68.20	-16.12	peak
2	5632.000	64.11	-10.35	53.76	68.20	-14.44	peak



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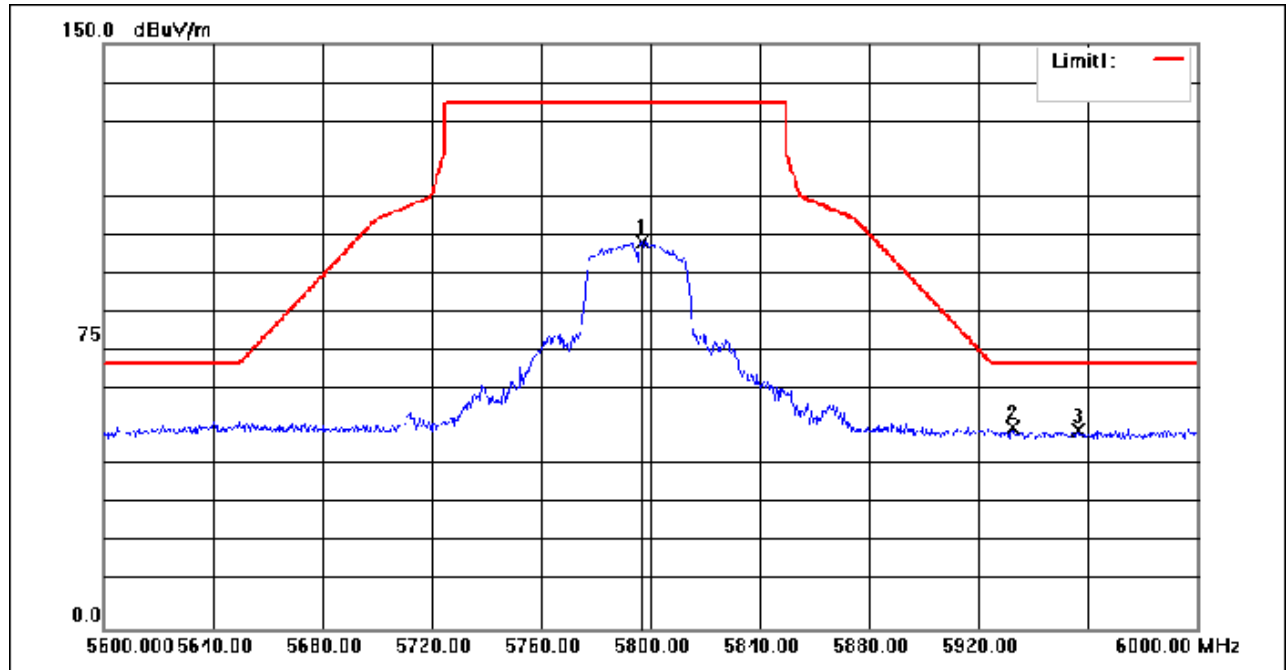
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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5797.200	109.14	-10.06	99.08	135.00	-35.92	peak
2	5932.400	61.59	-10.09	51.50	68.20	-16.70	peak
3	5956.400	60.98	-10.09	50.89	68.20	-17.31	peak



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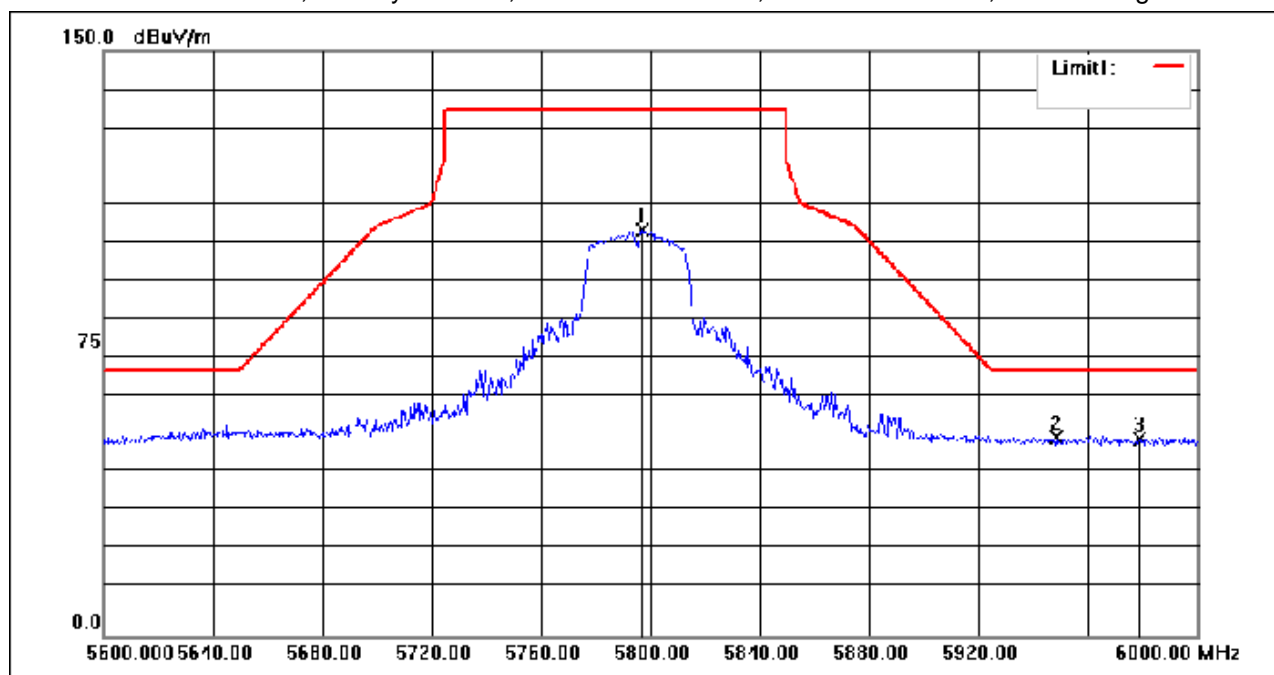
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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5796.800	113.94	-10.06	103.88	135.00	-31.12	peak
2	5948.400	60.85	-10.09	50.76	68.20	-17.44	peak
3	5978.800	60.56	-10.09	50.47	68.20	-17.73	peak



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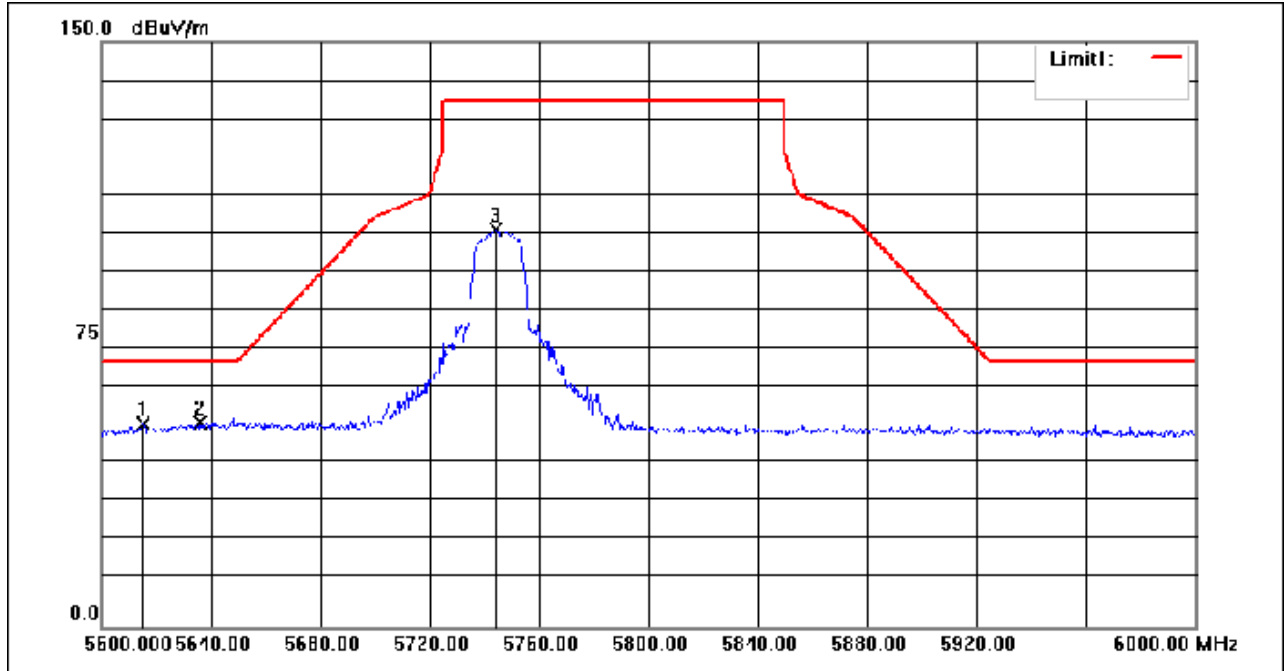
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Test Mode: 06; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5615.200	62.18	-10.42	51.76	68.20	-16.44	peak
2	5636.000	62.84	-10.34	52.50	68.20	-15.70	peak
3	5744.000	111.79	-10.03	101.76	135.00	-33.24	peak



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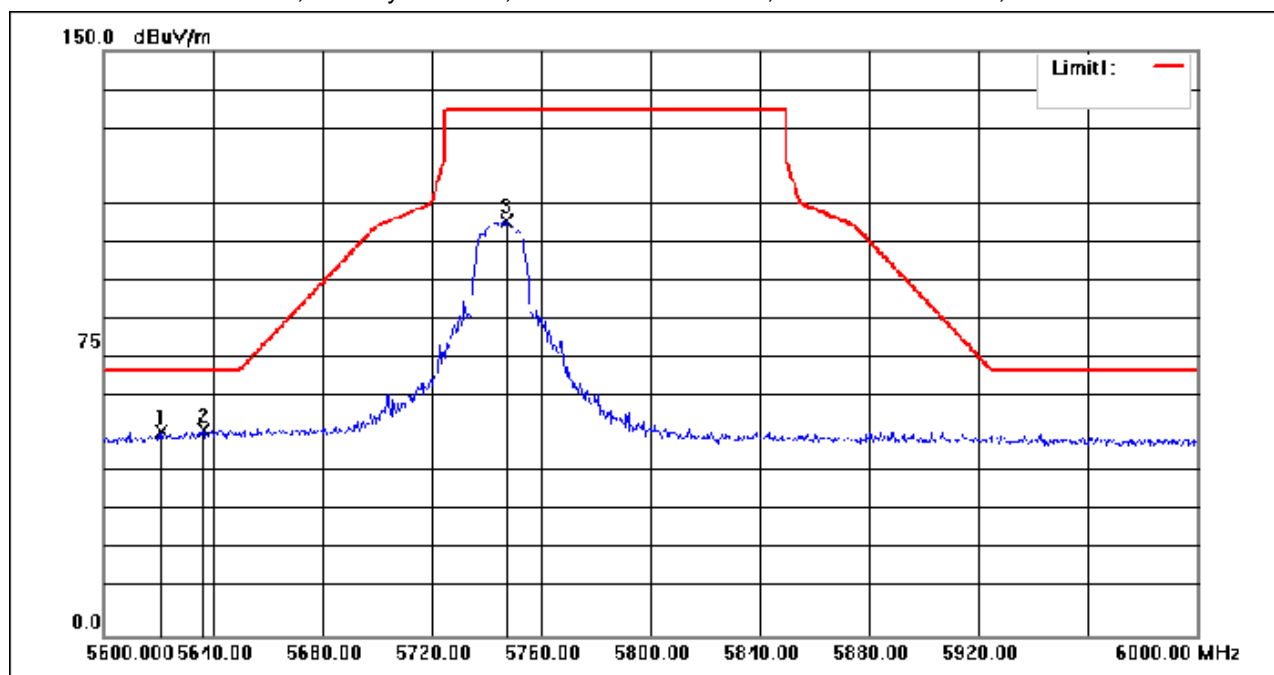
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Test Mode: 06; Polarity: Vertical; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5620.800	62.66	-10.40	52.26	68.20	-15.94	peak
2	5636.400	63.03	-10.34	52.69	68.20	-15.51	peak
3	5747.200	116.41	-10.04	106.37	135.00	-28.63	peak



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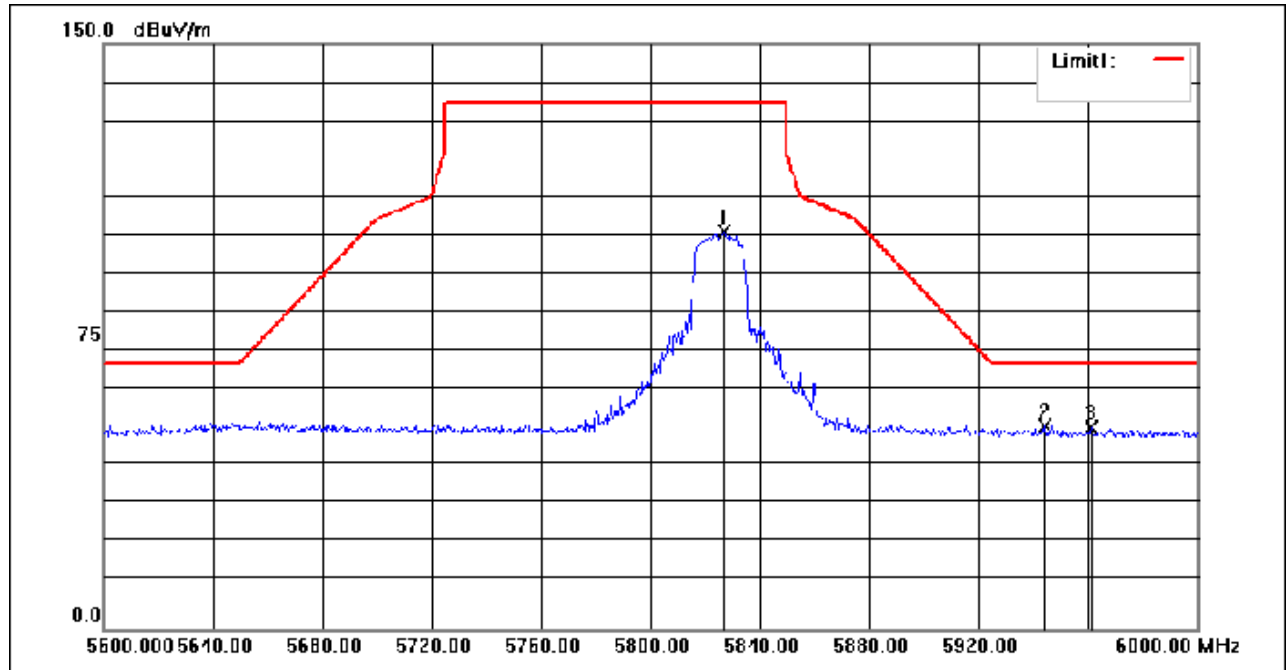
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Test Mode: 06; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5826.800	111.76	-10.07	101.69	135.00	-33.31	peak
2	5944.400	62.19	-10.09	52.10	68.20	-16.10	peak
3	5961.200	61.81	-10.09	51.72	68.20	-16.48	peak



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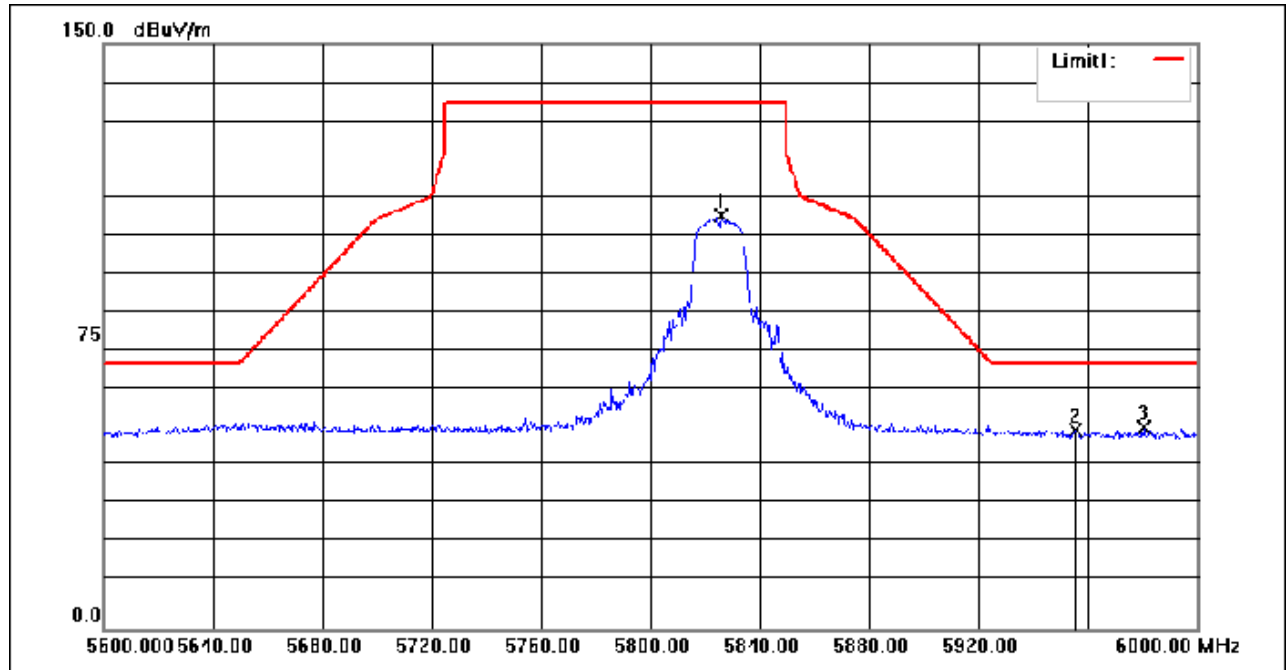
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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5825.600	115.84	-10.08	105.76	135.00	-29.24	peak
2	5955.600	61.05	-10.09	50.96	68.20	-17.24	peak
3	5980.400	61.52	-10.09	51.43	68.20	-16.77	peak



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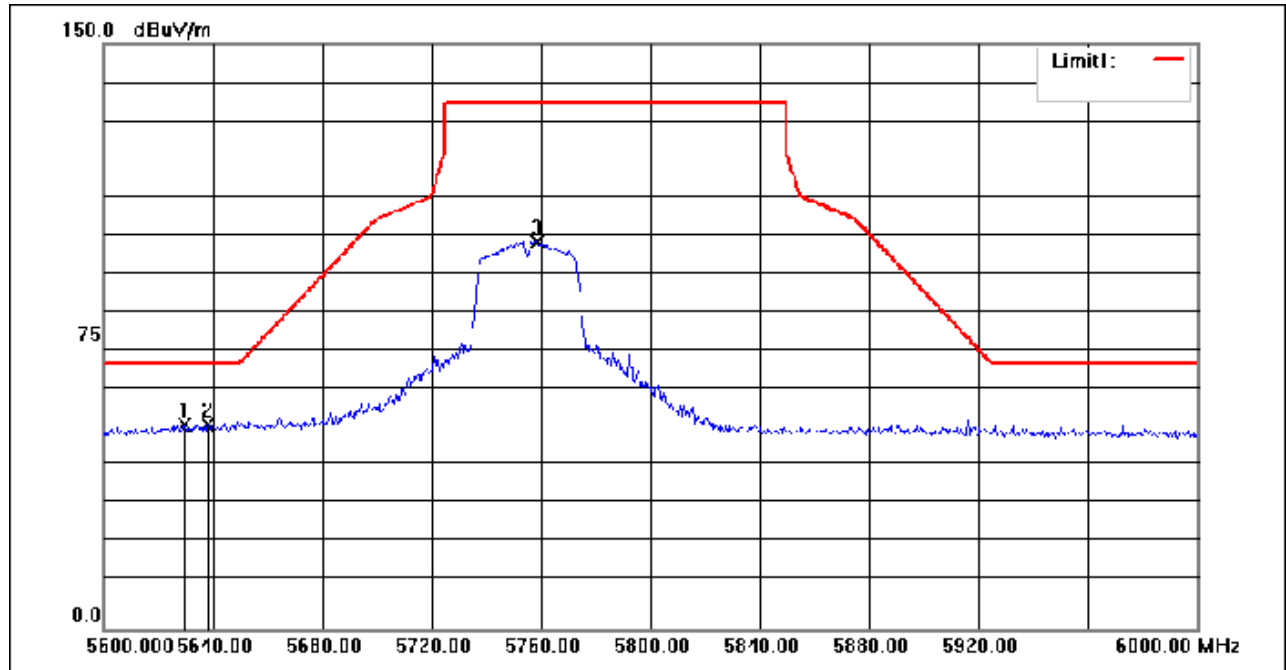
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Test Mode: 06; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 40MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5629.600	62.75	-10.36	52.39	68.20	-15.81	peak
2	5638.000	62.74	-10.34	52.40	68.20	-15.80	peak
3	5758.400	109.24	-10.04	99.20	135.00	-35.80	peak



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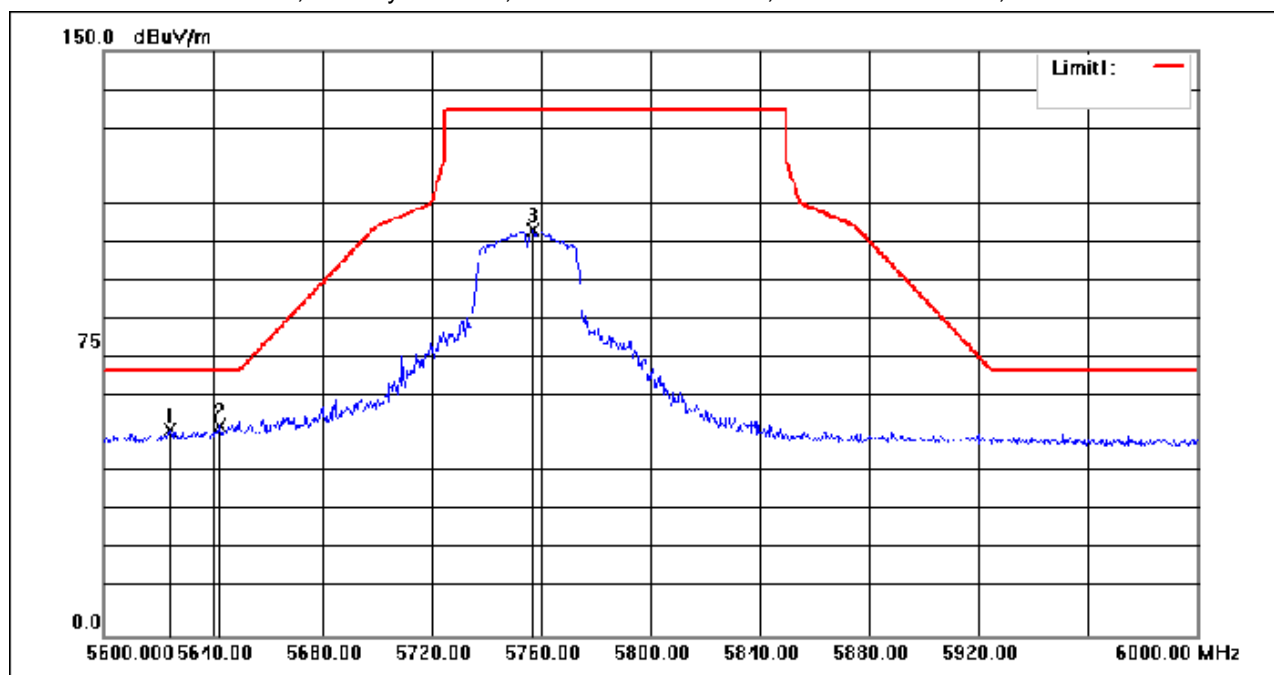
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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5624.400	63.16	-10.39	52.77	68.20	-15.43	peak
2	5642.400	64.17	-10.32	53.85	68.20	-14.35	peak
3	5757.200	114.22	-10.04	104.18	135.00	-30.82	peak



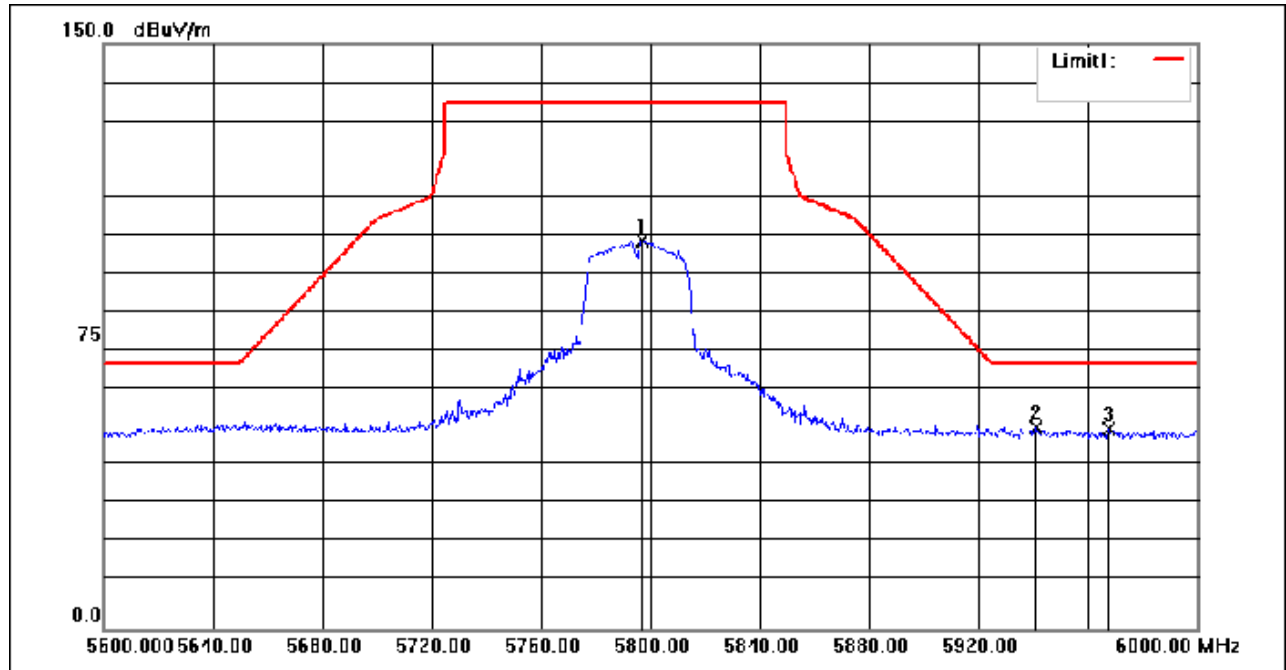
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Test Mode: 06; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 40MHz; Channel: High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5797.200	109.53	-10.06	99.47	135.00	-35.53	peak
2	5941.200	61.49	-10.09	51.40	68.20	-16.80	peak
3	5967.600	61.20	-10.09	51.11	68.20	-17.09	peak



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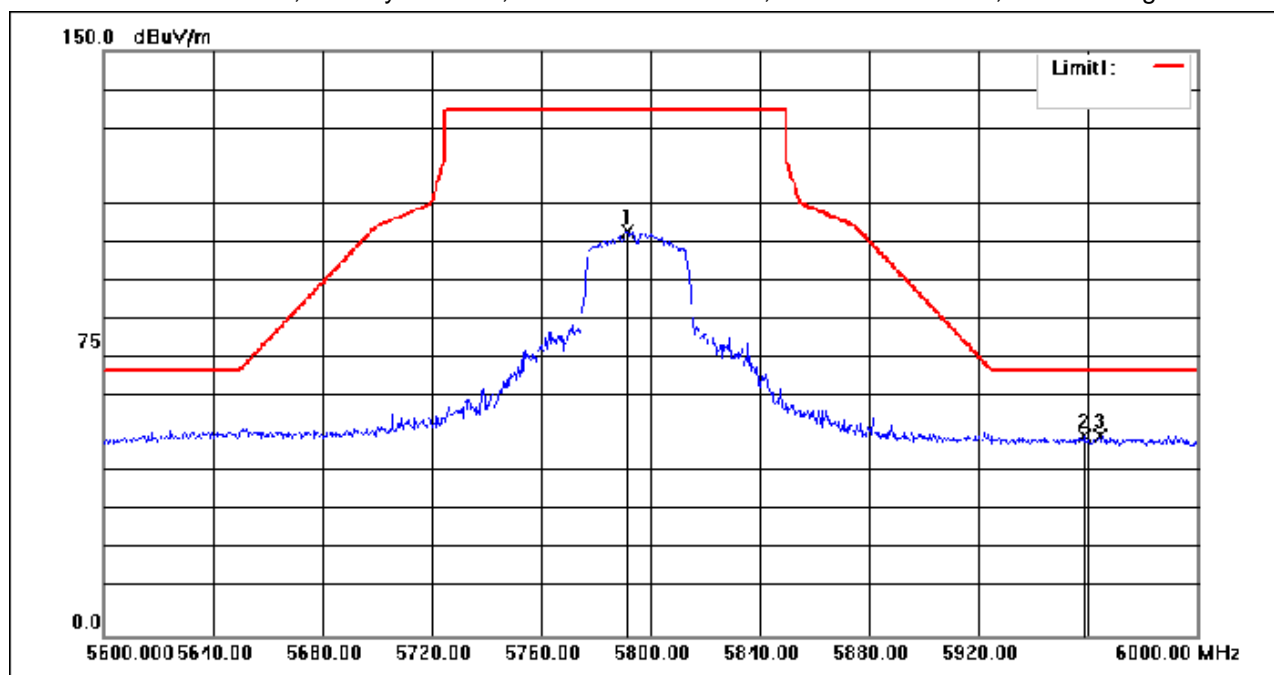
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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5791.600	113.81	-10.06	103.75	135.00	-31.25	peak
2	5958.400	61.38	-10.09	51.29	68.20	-16.91	peak
3	5964.400	61.46	-10.09	51.37	68.20	-16.83	peak



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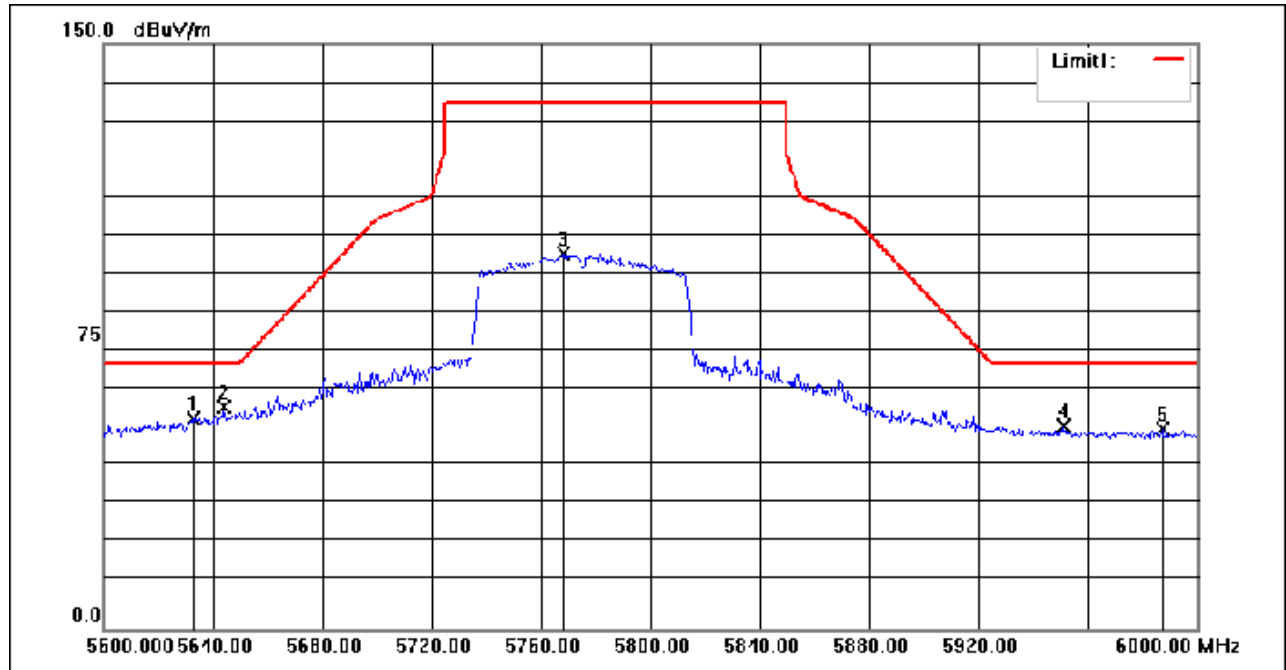
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Test Mode: 06; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 80MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5632.800	64.22	-10.35	53.87	68.20	-14.33	peak
2	5644.000	67.01	-10.31	56.70	68.20	-11.50	peak
3	5768.400	106.13	-10.05	96.08	135.00	-38.92	peak
4	5951.200	61.89	-10.09	51.80	68.20	-16.40	peak
5	5987.200	61.39	-10.09	51.30	68.20	-16.90	peak



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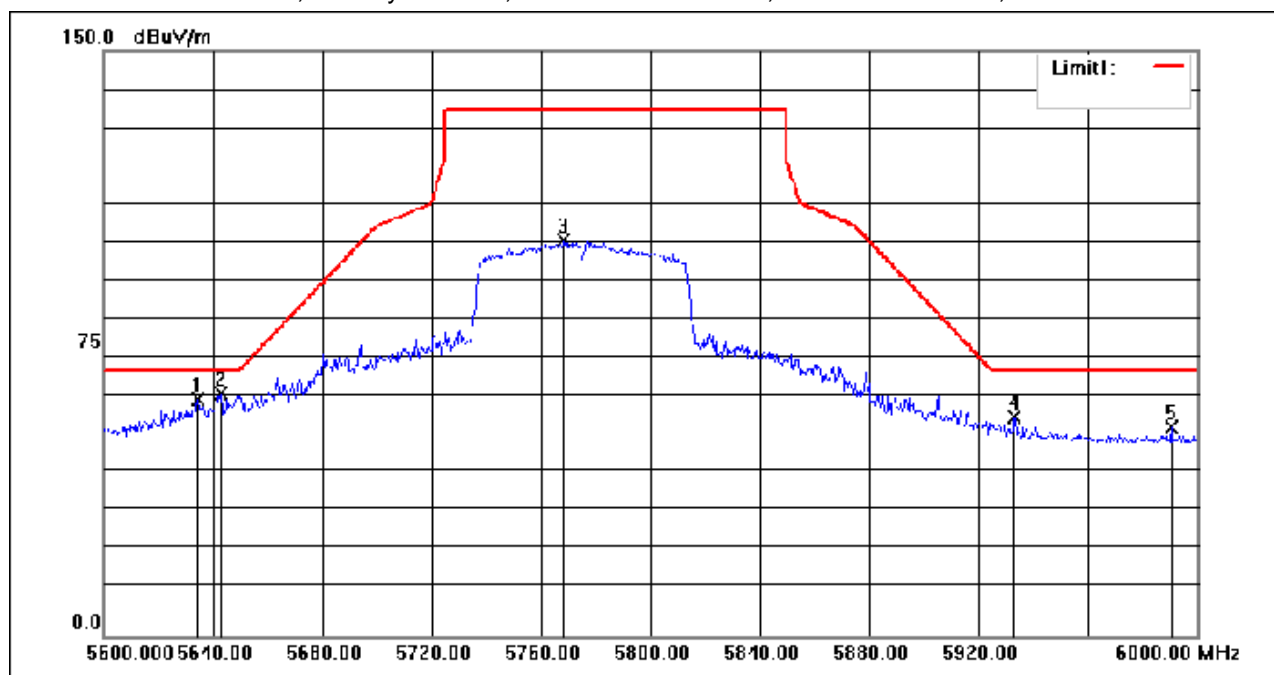
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Test Mode: 06; Polarity: Vertical; Modulation: 802.11ac; Bandwidth: 80MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5634.400	70.82	-10.35	60.47	68.20	-7.73	peak
2	5642.800	72.39	-10.32	62.07	68.20	-6.13	peak
3	5768.400	111.55	-10.05	101.50	135.00	-33.50	peak
4	5933.200	66.10	-10.09	56.01	68.20	-12.19	peak
5	5990.400	63.71	-10.09	53.62	68.20	-14.58	peak



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### 6.3 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

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
960-1000	500	3

#### 6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 50.6 % RH

Atmospheric Pressure: 1010 mbar

#### 6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n20,n40,ac20,ac40,ac80, Only the data of worst case is recorded in the report.



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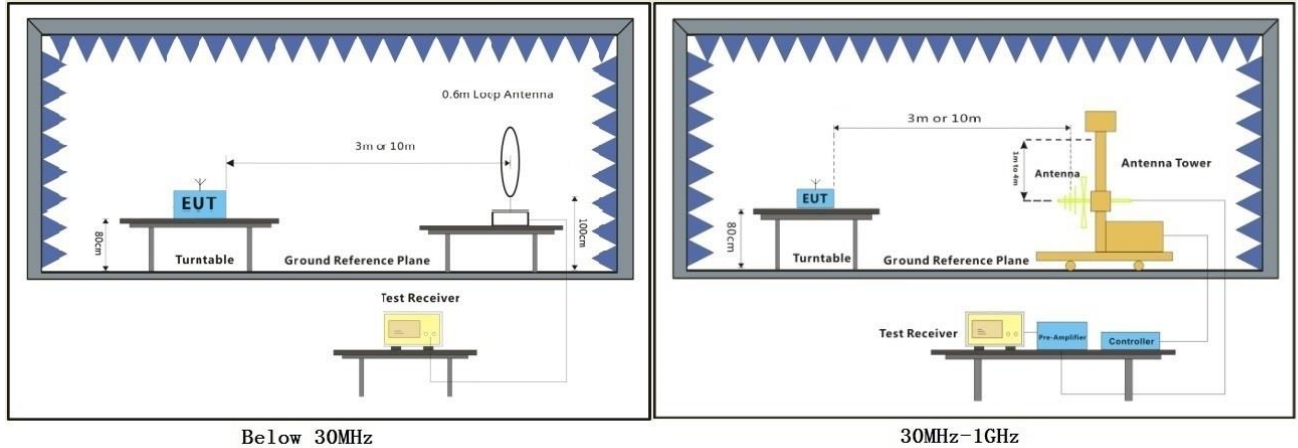
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### 6.3.3 Test Setup Diagram



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## 6.3.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. 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 from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 5: We have evaluated different adapters and battery modes. The battery mode is the worst, and only the battery mode is tested finally.



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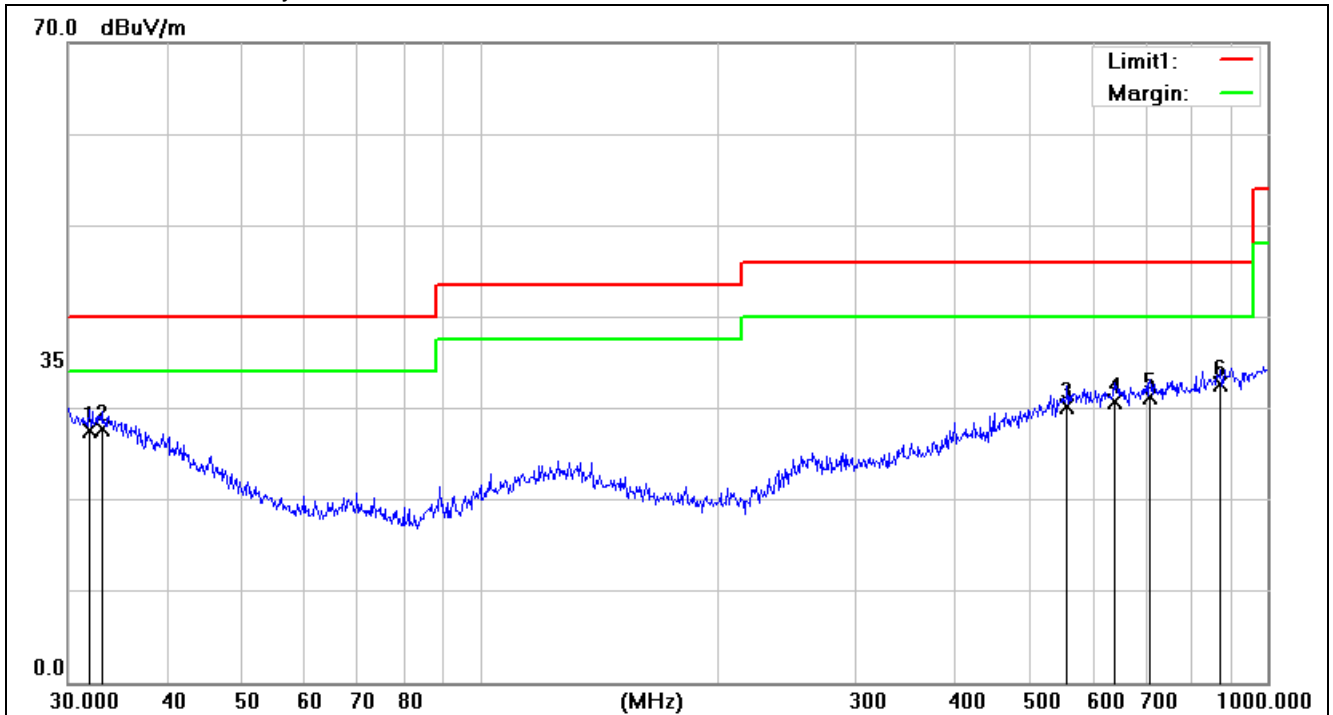
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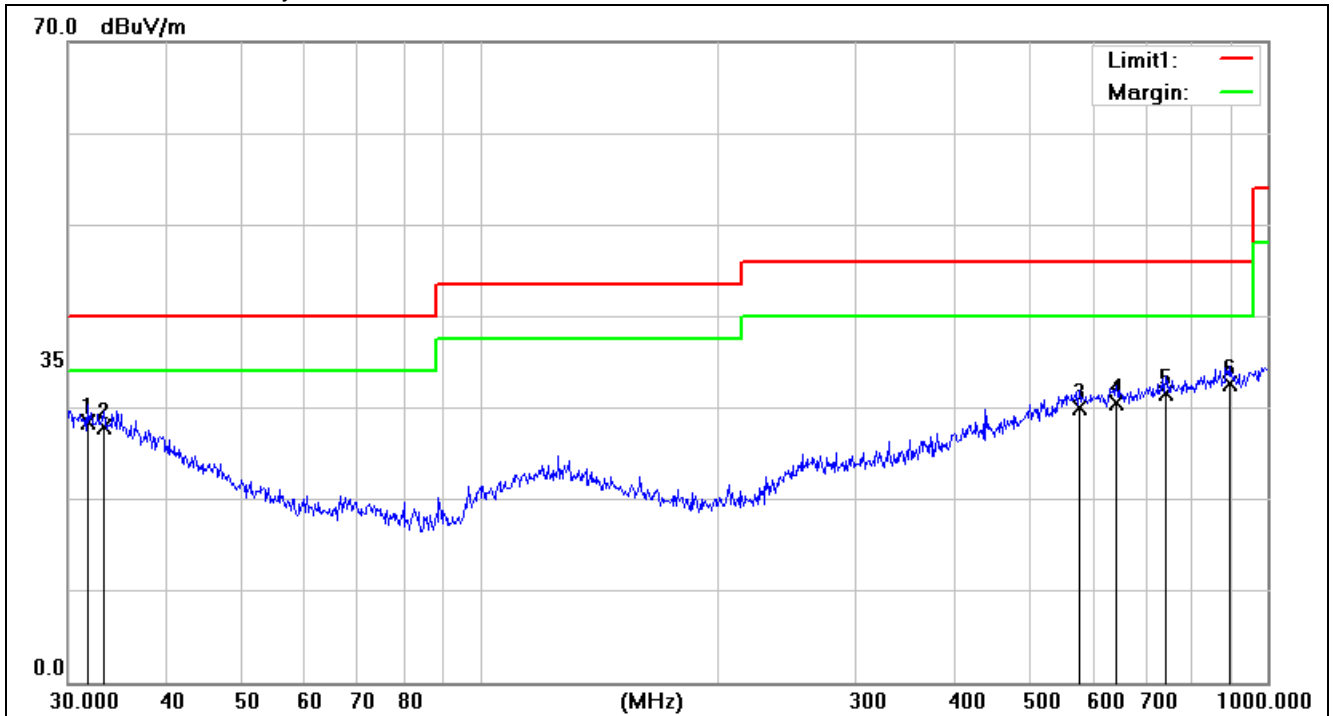
Test Mode: 05; Polarity: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	31.9546	2.34	25.22	27.56	40.00	-12.44	200	133	QP
2	33.0950	2.65	25.07	27.72	40.00	-12.28	200	41	QP
3	556.7744	2.82	27.29	30.11	46.00	-15.89	100	98	QP
4	638.3686	2.92	27.82	30.74	46.00	-15.26	100	228	QP
5	709.1823	28.82	2.44	31.26	46.00	-14.74	100	256	QP
6	872.1832	30.27	2.29	32.56	46.00	-13.44	100	302	QP



Test Mode: 05; Polarity: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	31.7313	3.20	25.21	28.41	40.00	-11.59	100	65	QP
2	33.3279	2.85	25.03	27.88	40.00	-12.12	100	115	QP
3	576.6443	3.01	27.04	30.05	46.00	-15.95	100	213	QP
4	642.8613	2.63	27.84	30.47	46.00	-15.53	200	305	QP
5	742.2587	3.51	28.11	31.62	46.00	-14.38	100	318	QP
6	893.8567	2.98	29.58	32.56	46.00	-13.44	100	53	QP



## 7 Test Setup Photo

Refer to Appendix - Test Setup Photo for SHCR2307001452AT

## 8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for SHCR2307001452AT

- End of the Report -

