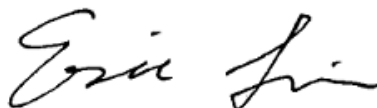


# TEST REPORT

**Application No.:** KSEM2103000353CR  
**FCC ID:** 2AFZZC3JGG  
**Applicant:** Xiaomi Communications Co., Ltd.  
**Address of Applicant:** #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085  
**Manufacturer:** Xiaomi Communications Co., Ltd.  
**Address of Manufacturer:** #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085  
**Equipment Under Test (EUT):**  
**EUT Name:** Mobile Phone  
**Model No.:** M1908C3JGG  
**Brand mark:** Redmi  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2021-03-19  
**Date of Test:** 2021-03-30 to 2021-04-06  
**Date of Issue:** 2021-04-07

**Test Result:**

\* In the configuration tested, the EUT complied with the standards specified above.



Eric Lin  
EMC Lab Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.



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Revision Record			
Version	Description	Date	Remark
00	Original	2021-04-07	/

Authorized for issue by:			
		Damon Zhou	
		Damon Zhou / Project Engineer	
		Eric Lin	
		Eric Lin / Reviewer	



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## 2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass
Transmission in the Absence of Data	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.407 (c)	Pass

N/A: Not applicable

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)	
99% Bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 II D	N/A	Pass
26dB Emission bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 1	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band )	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 2	47 CFR Part 15, Subpart C 15.407 (e)	Pass
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II E	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Peak Power spectrum density	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II F	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Radiated Emissions	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass

N/A: Not applicable



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## 4 General Information

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

Power supply:	DC 5V,3A by Adapter
Test voltage:	AC 120V/60Hz
Cable:	USB Cable 100cm
Antenna Gain:	-1.2dBi (Provided by the manufacturer)
Antenna Type:	PIFA Antenna
DFS Function:	Slave without Radar detection
TPC Function:	Not Support
Antenna Type	PIFA Antenna
Operation Frequency	Band 1:5150-5250MHz Band 2:5250-5350MHz Band 3:5470-5725MHz Band 4:5725-5850MHz
Modulation Type	802.11a/n(HT20)/n(HT40): OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ac(VHT20)/ac(VHT40)/ac(VHT80): OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM).

### 4.2 Description of Support Units

The EUT has been tested as an independent unit.



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#### 4.3 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	2.84dB
7	Conducted Spurious emissions	0.75dB
8	RF Radiated power	4.6dB (Below 1GHz)
		4.1dB (Above 1GHz)
9	Radiated Spurious emission test	4.2dB (Below 30MHz)
		4.4dB (30MHz-1GHz)
		4.8dB (1GHz-18GHz)
		5.2dB (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.



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#### 4.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

#### 4.5 Test Facility

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

- **CNAS (No. CNAS L4354)**

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **A2LA (Certificate No. 2541.01)**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

- **FCC (Designation Number: CN1172)**

Compliance Certification Services Inc. has been recognized as an accredited testing laboratory.

Designation Number: CN1172.

- **ISED (CAB Identifier: CN0072)**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development (ISED) Canada as an accredited testing laboratory.

CAB Identifier: CN0072.

- **VCCI (Member No.: 1938)**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-11600, C-1707, T-1499, G-10216 respectively.

#### 4.6 Deviation from Standards

None

#### 4.7 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	2020-12-20	2021-12-19
Spectrum Analyzer	Agilent	N9020A	SHEM181-1	2020-08-13	2021-08-12
Signal Generator	R&S	SMR20	SHEM006-1	2020-08-13	2021-08-12
Signal Generator	Agilent	N5182A	SHEM182-1	2020-08-13	2021-08-12
Communication Tester	R&S	CMW270	SHEM183-1	2020-08-13	2021-08-12
Switcher	Tonscend	JS0806	SHEM184-1	2020-08-13	2021-08-12
Power Sensor	Keysight	U2021XA * 4	SHEM184-1	2020-08-13	2021-08-12
Splitter	Anritsu	MA1612A	SHEM185-1	/	/
Coupler	e-meca	803-S-1	SHEM186-1	/	/
High-low Temp Cabinet	Suzhou Zhihe	TL-40	SHEM087-1	2018-09-25	2021-09-24
AC Power Stabilizer	APC	KDF-31020T-V0-F0	SHEM216-1	2020-12-20	2021-12-19
DC Power Supply	MCH	MCH-303A	SHEM210-1	2020-12-20	2021-12-19
Conducted test Cable	/	RF01~RF04	/	2020-12-20	2021-12-19
<b>RF Radiated Test</b>					
EMI test Receiver	R&S	ESU40	SHEM051-1	2020-12-20	2021-12-19
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2020-12-20	2021-12-19
Loop Antenna (9kHz-30MHz)	Schwarzbeck	FMZB1519	SHEM135-1	2020-12-20	2021-12-19
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM048-1	2019-10-14	2021-10-13
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM202-1	2019-04-30	2021-04-29
Horn Antenna (1-18GHz)	Schwarzbeck	HF906	SHEM009-1	2018-10-31	2021-10-30
Horn Antenna (1-18GHz)	Schwarzbeck	BBHA9120D	SHEM050-1	2019-10-14	2021-10-13
Horn Antenna (14-40GHz)	Schwarzbeck	BBHA 9170	SHEM049-1	2018-10-31	2021-10-30
Pre-amplifier (9kHz-2GHz)	CLAVIO	BDLNA-0001	SHEM164-1	2020-08-13	2021-08-12
Pre-amplifier (1-18GHz)	CLAVIO	BDLNA-0118	SHEM050-2	2020-08-13	2021-08-12
High-amplifier (14-40GHz)	Schwarzbeck	10001	SHEM049-2	2020-12-20	2021-12-19
Signal Generator	R&S	SMR40	SHEM058-1	2020-08-13	2021-08-12
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	2020-05-25	2023-05-24
RE test Cable	/	RE01, RE02, RE06	/	2020-12-20	2021-12-19



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## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

#### 6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is -0.4dBi.

Antenna location: Refer to Appendix (Internal Photos)



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## 6.2 Transmission in the Absence of Data

### 6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 15.407 (c)

### 6.2.2 Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

WIFI chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.



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## 7 Radio Spectrum Matter Test Results

### 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

#### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case: e:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

h:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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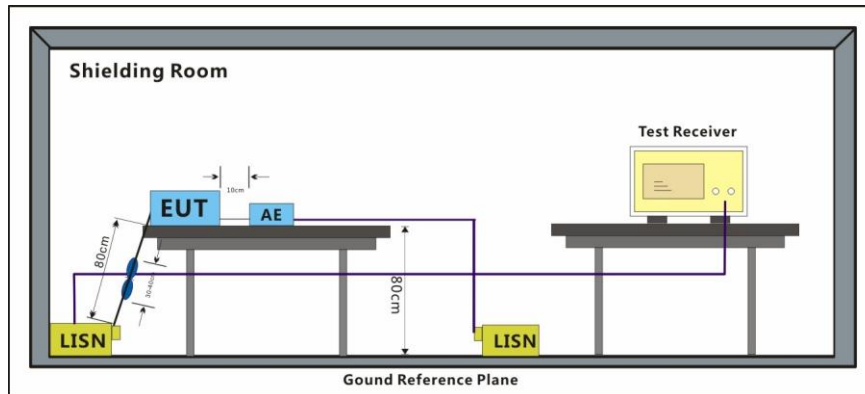
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The worst case  
for final test:

e:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.1.2 Test Setup Diagram



### 7.1.3 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor



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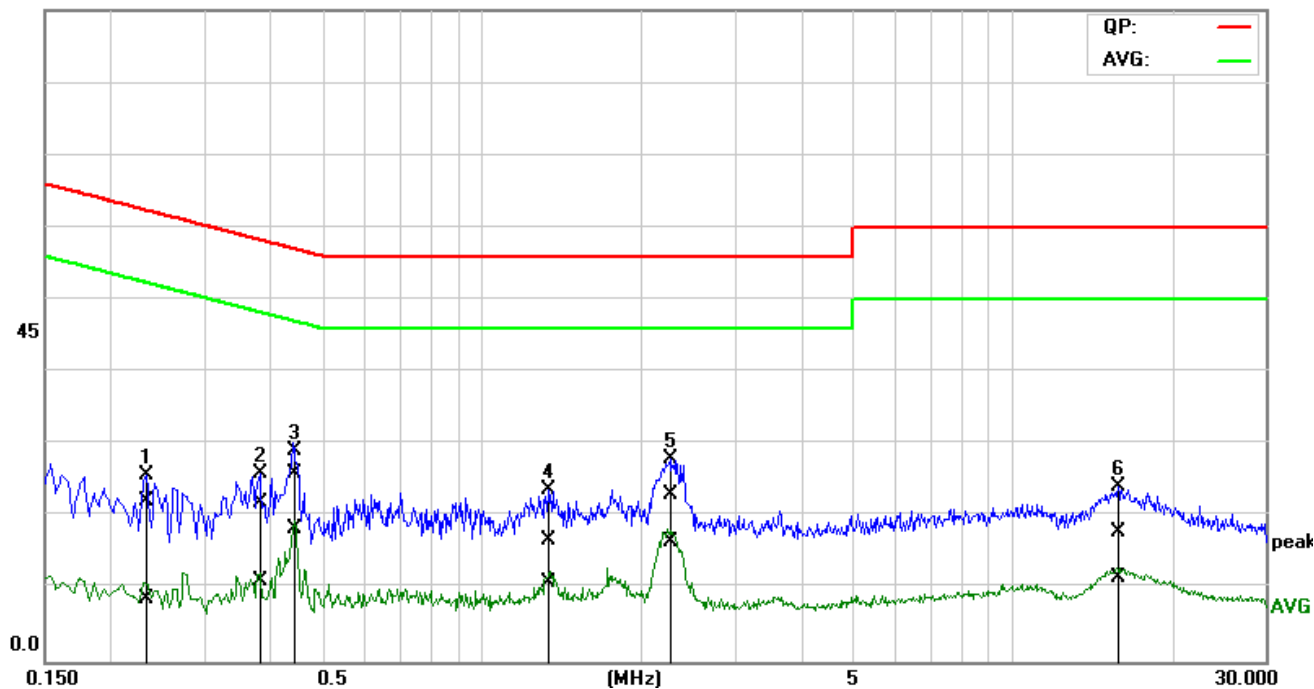
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Mode:e; Line:Live Line

90.0 dBuV



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2340	12.23	-1.27	10.02	22.25	8.75	62.30	52.31	-40.05	-43.56	Pass
2	0.3781	11.96	1.14	10.04	22.00	11.18	58.32	48.32	-36.32	-37.14	Pass
3*	0.4455	15.99	8.25	10.05	26.04	18.30	56.96	46.96	-30.92	-28.66	Pass
4	1.3419	6.56	0.83	10.10	16.66	10.93	56.00	46.00	-39.34	-35.07	Pass
5	2.2771	12.91	6.29	10.15	23.06	16.44	56.00	46.00	-32.94	-29.56	Pass
6	15.8627	6.79	0.56	11.06	17.85	11.62	60.00	50.00	-42.15	-38.38	Pass



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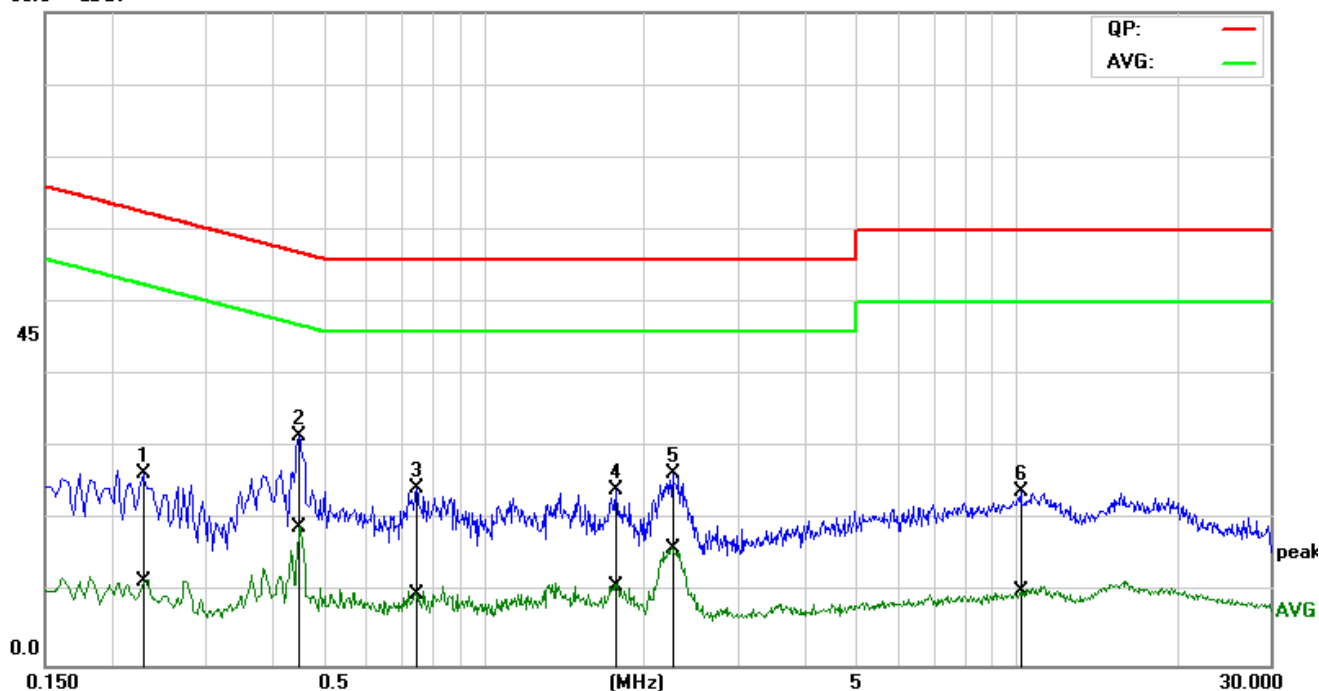
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Mode:e; Line:Neutral Line

90.0 dBuV



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2300	16.41	1.60	10.02	26.43	11.62	62.45	52.45	-36.02	-40.83	Pass
2*	0.4500	21.61	9.00	10.05	31.66	19.05	56.87	46.88	-25.21	-27.83	Pass
3	0.7500	14.28	-0.20	10.06	24.34	9.86	56.00	46.00	-31.66	-36.14	Pass
4	1.7740	14.13	0.78	10.12	24.25	10.90	56.00	46.00	-31.75	-35.10	Pass
5	2.2620	16.29	6.00	10.15	26.44	16.15	56.00	46.00	-29.56	-29.85	Pass
6	10.2100	13.30	-0.31	10.62	23.92	10.31	60.00	50.00	-36.08	-39.69	Pass



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## 7.2 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1006 mbar

Test mode: e:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

h:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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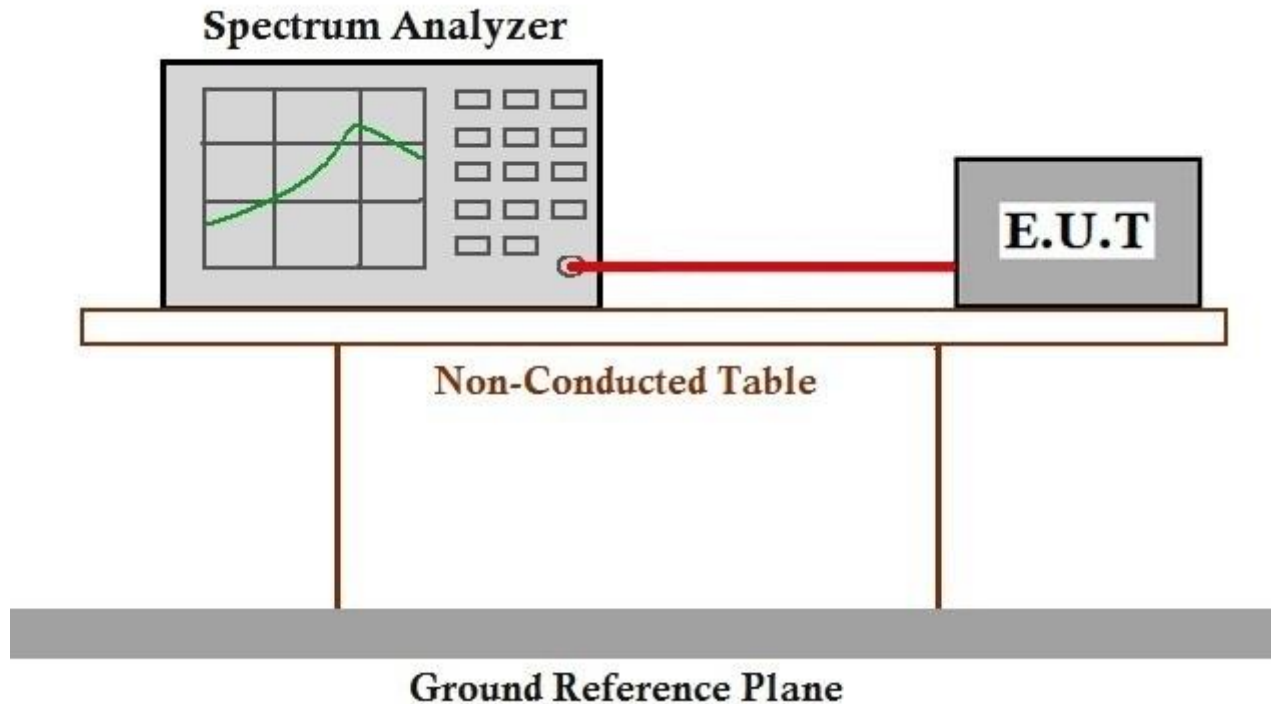
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### 7.2.2 Test Setup Diagram



### 7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSEM210300035304



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**7.3 26dB Emission bandwidth**

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II C 1

**7.3.1 E.U.T. Operation**

Operating Environment:

Temperature: 25 °C Humidity: 50 % RH Atmospheric Pressure: 1003 mbar

Test mode: f:TX mode (Band 2A)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

h:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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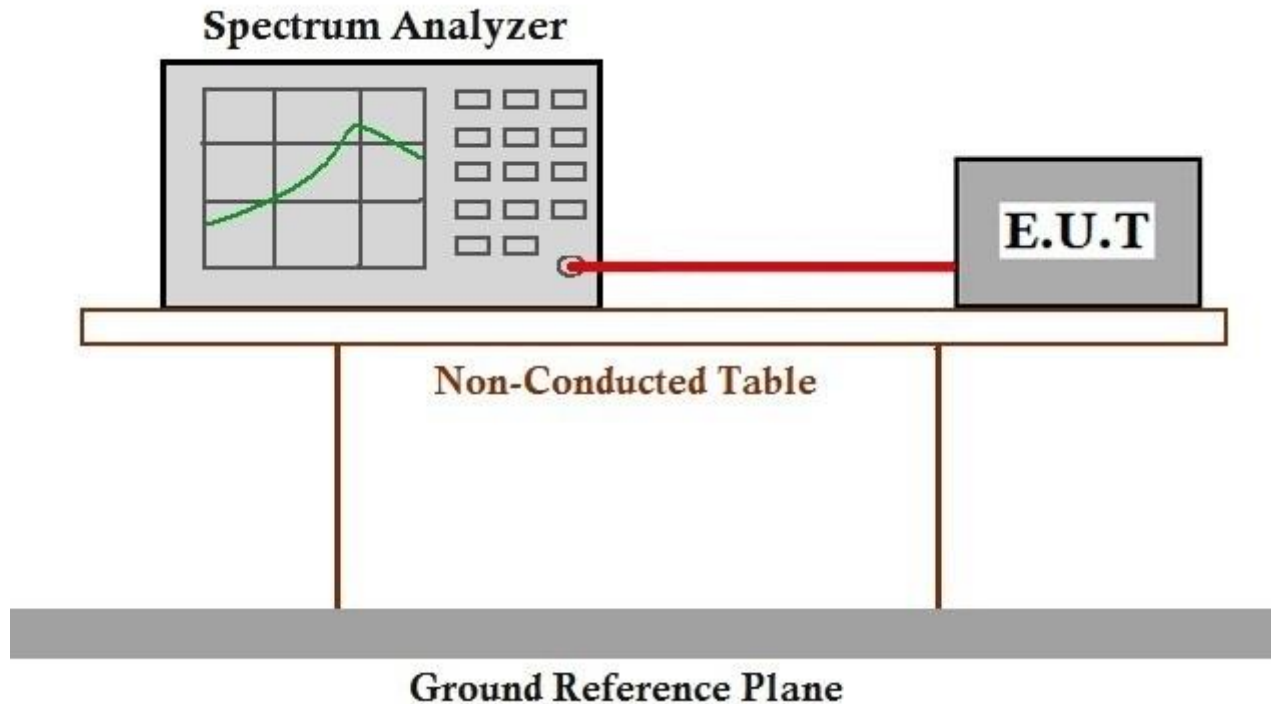
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### 7.3.2 Test Setup Diagram



### 7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSEM210300035304



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#### 7.4 Minimum 6 dB bandwidth (5.725-5.85 GHz band )

Test Requirement 47 CFR Part 15, Subpart C 15.407 (e)  
Test Method: KDB 789033 D02 II C 2  
Limit:  $\geq 500$  kHz

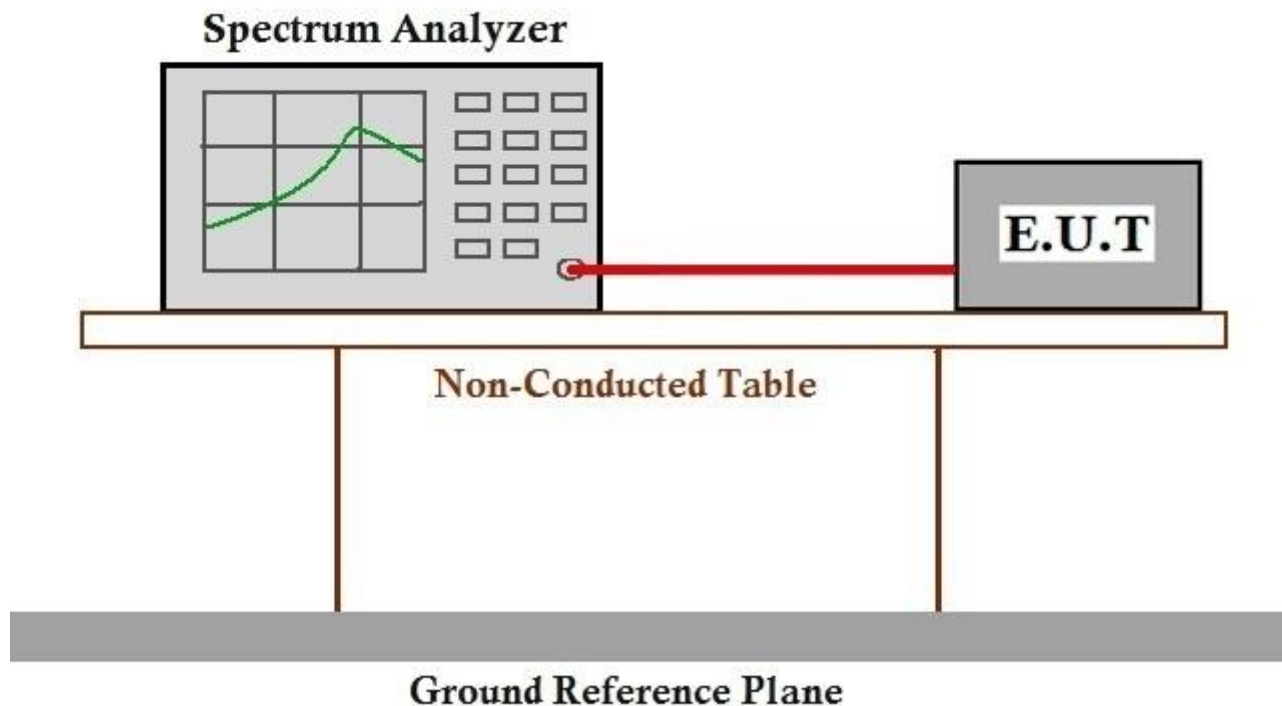
##### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1004 mbar

Test mode: h:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

##### 7.4.2 Test Setup Diagram



##### 7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSEM210300035304



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## 7.5 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) for client device or 11dBm+10logB*
5470-5725	≤250mW(24dBm) for client device or 11dBm+10logB*
5725-5850	≤1W(30dBm)
Remark:	<p>* Where B is the 26dB emission bandwidth in MHz.</p> <p>The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.</p>

### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1005 mbar

Test mode: e:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

h:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst



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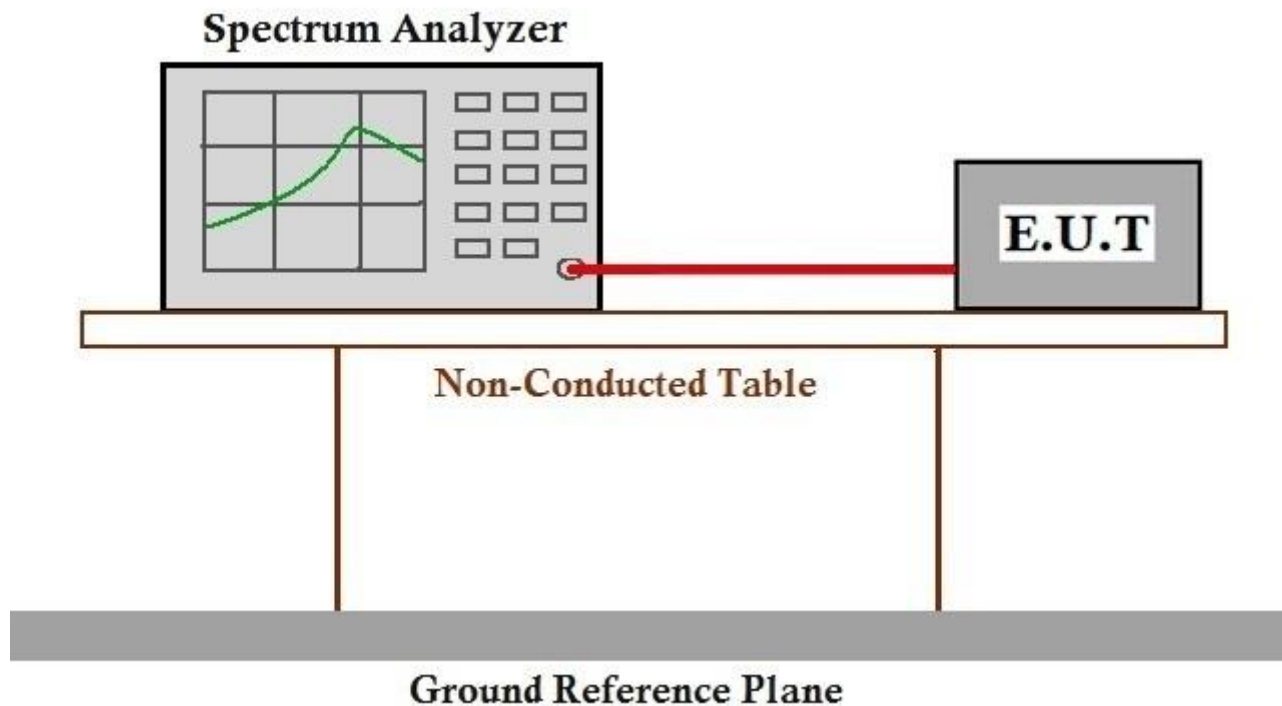
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case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.5.2 Test Setup Diagram



### 7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSEM210300035304



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## 7.6 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

### 7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1006 mbar

Test mode: e:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

h:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE



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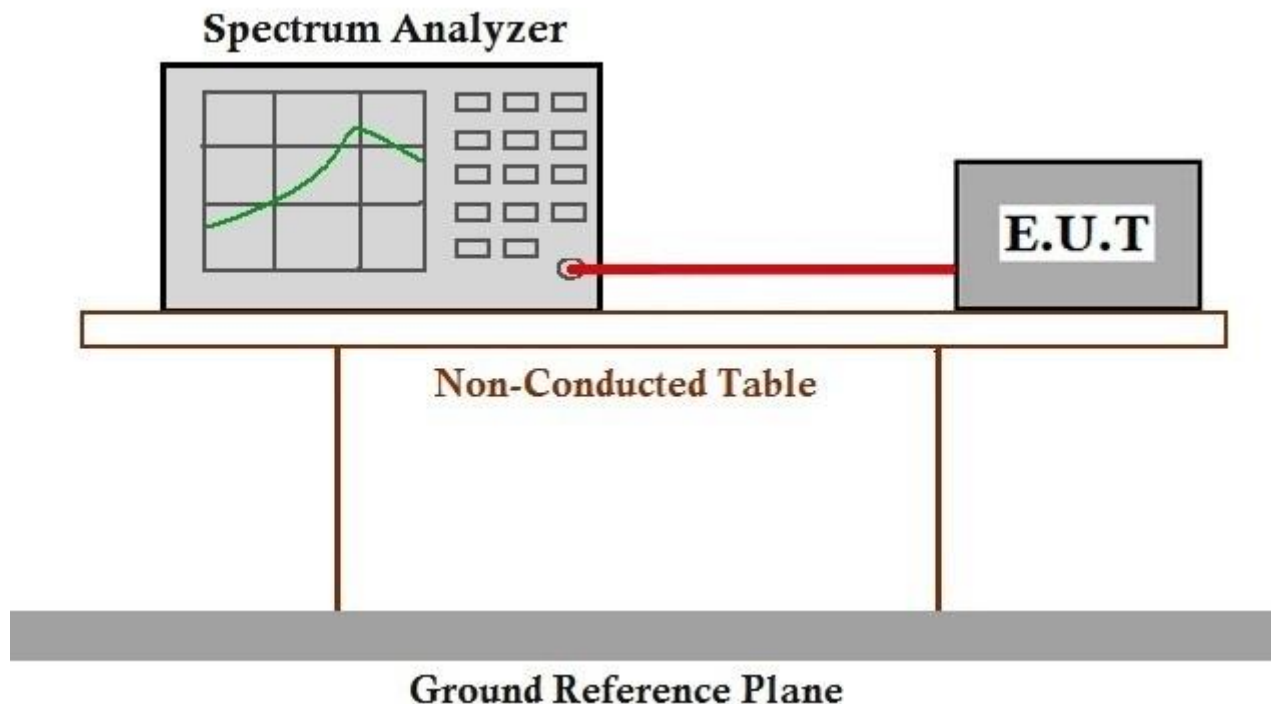
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802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE  
802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.6.2 Test Setup Diagram



### 7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSEM210300035304



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## 7.7 Radiated Emissions

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

Test Method: KDB 789033 D02 II G

Limit:

### Limit:

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 (68.2dBuV/m).

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 (68.2dBuV/m).

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 (68.2dBuV/m).

For transmitters operating in the 5.725-5.85 GHz band: (i) All emissions shall be limited to a level of -27 dBm/MHz (68.2dBuV/m) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz (105.2dBuV/m) 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 (110.8dBuV/m) 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 (122.2dBuV/m) at the band edge.

### 7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1004 mbar

Pretest these modes to find the worst case: e:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

h:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all



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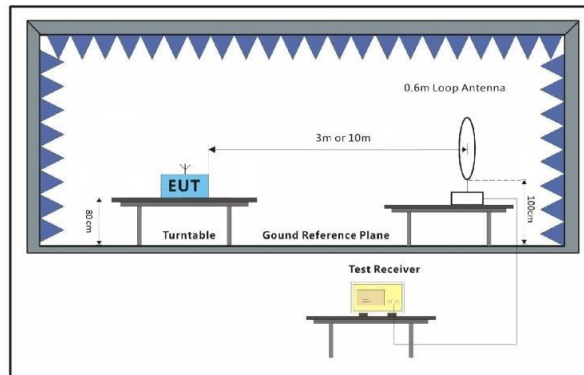
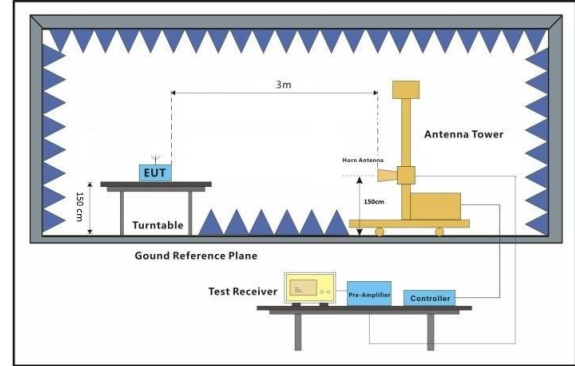
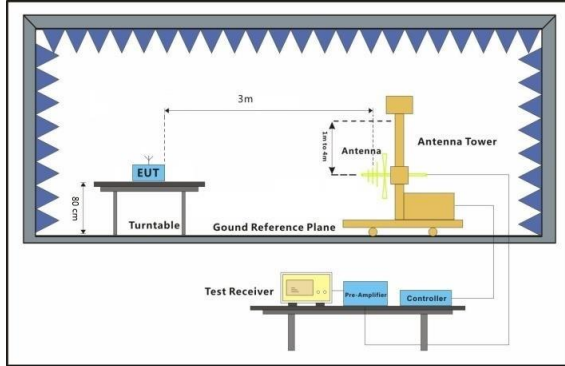
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modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.7.2 Test Setup Diagram



### 7.7.3 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. 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 40GHz, the disturbance above 18GHz and 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. 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.



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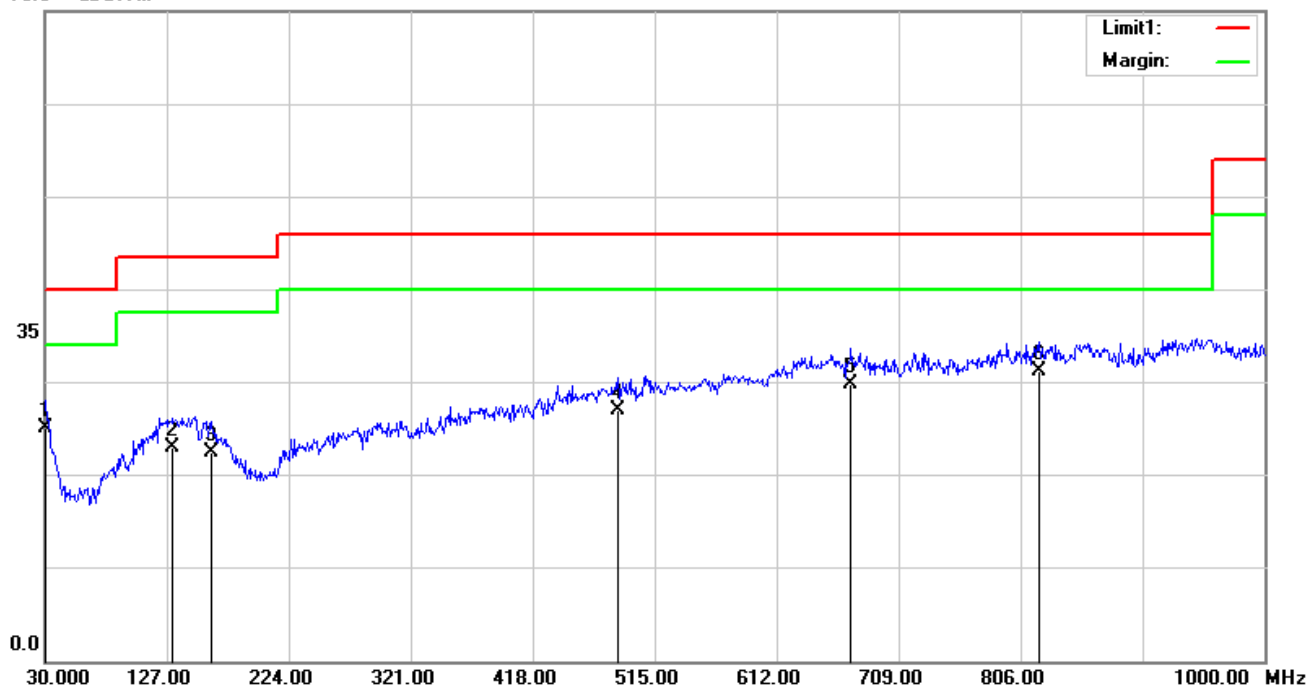
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Below 1GHz

Mode:e; Polarization:Horizontal;

70.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.0000	-0.82	25.93	25.11	40.00	-14.89	400	198	QP
2	131.8500	3.47	19.55	23.02	43.50	-20.48	100	90	QP
3	161.9200	3.33	19.21	22.54	43.50	-20.96	400	360	QP
4	485.9000	2.06	24.98	27.04	46.00	-18.96	100	360	QP
5	671.1700	2.61	27.28	29.89	46.00	-16.11	300	28	QP
6	820.5500	3.35	27.93	31.28	46.00	-14.72	200	229	QP



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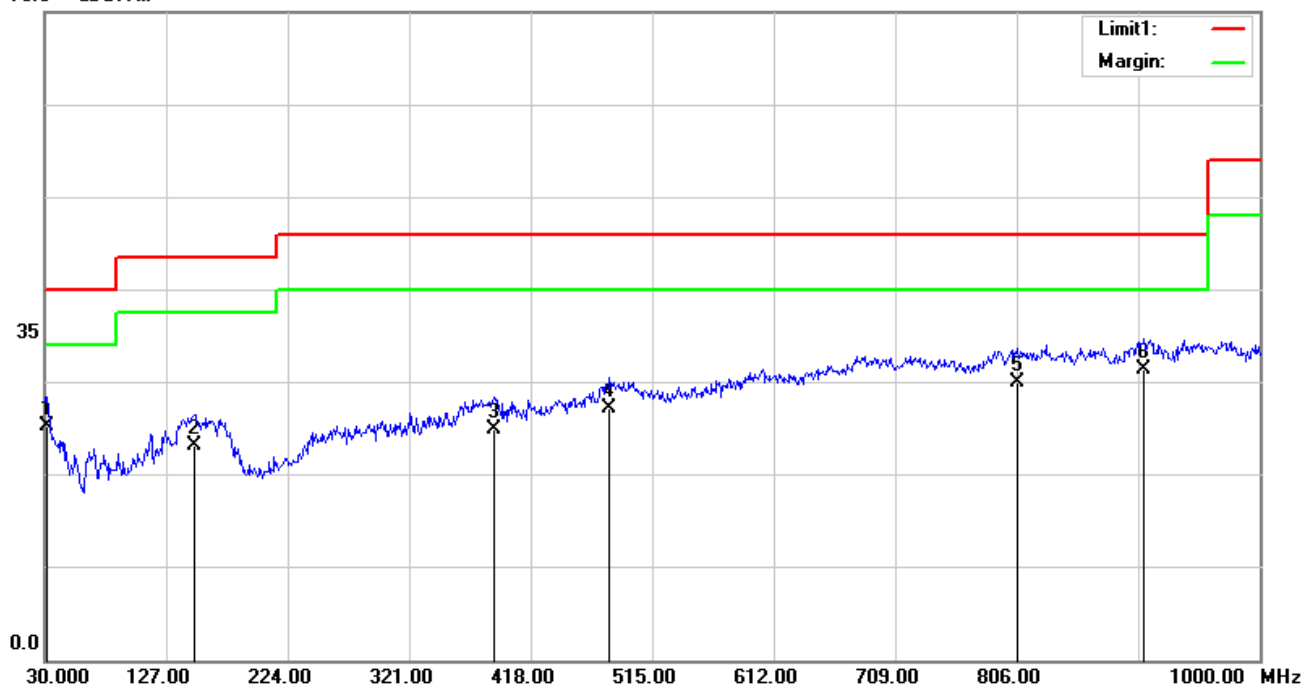
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Mode:e; Polarization:Vertical

70.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	31.9400	0.54	24.82	25.36	40.00	-14.64	100	147	QP
2	149.3100	3.02	20.12	23.14	43.50	-20.36	100	153	QP
3	388.9000	1.71	23.31	25.02	46.00	-20.98	200	285	QP
4	481.0500	2.26	24.89	27.15	46.00	-18.85	300	224	QP
5	806.0000	2.19	27.86	30.05	46.00	-15.95	200	98	QP
6	907.8500	2.70	28.77	31.47	46.00	-14.53	400	302	QP



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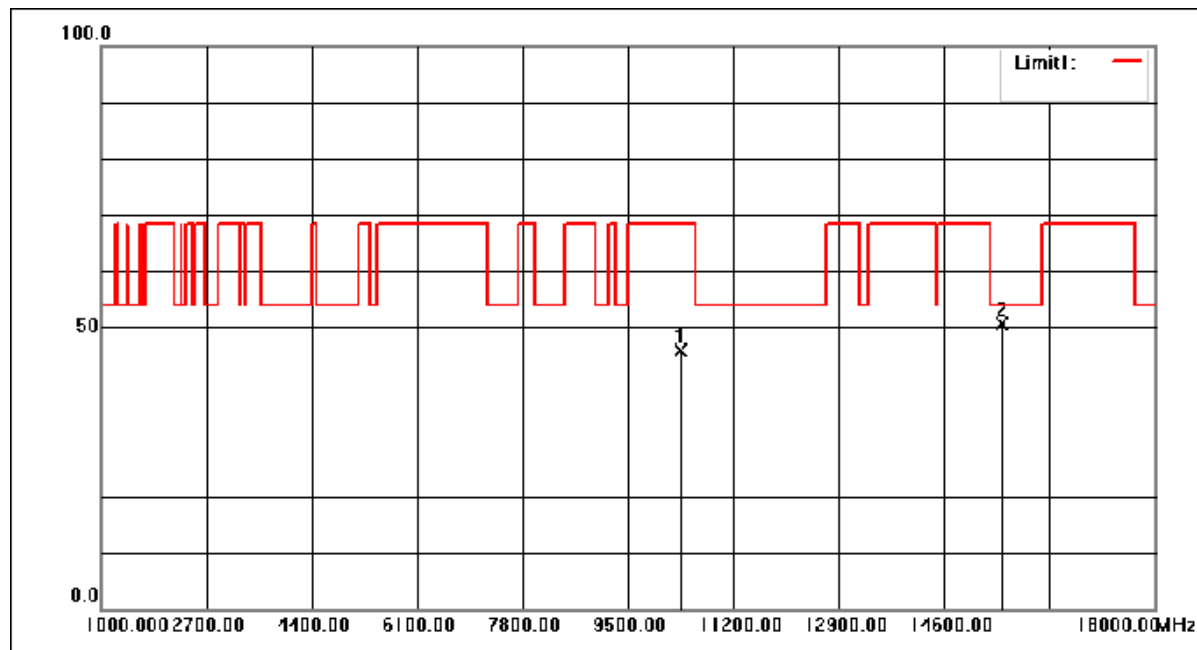
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Above 1GHz

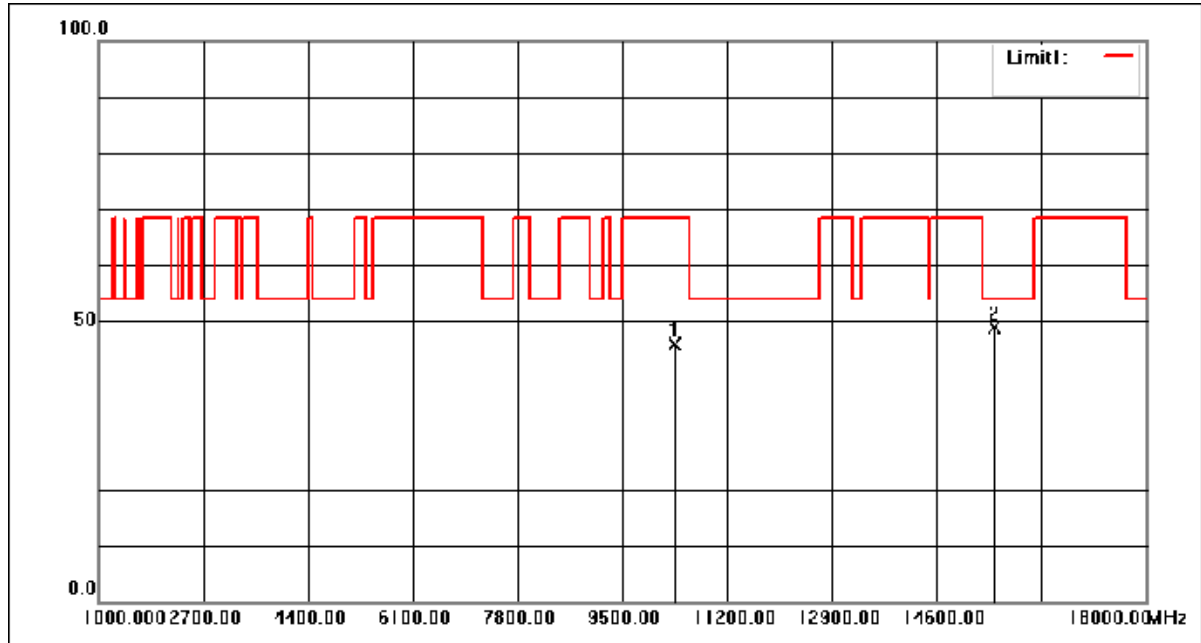
Mode:e; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10360.000	48.56	-2.59	45.97	68.30	-22.33	peak
2	15540.000	50.96	-0.30	50.66	54.00	-3.34	peak



Mode:e; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10360.000	48.52	-2.59	45.93	68.30	-22.37	peak
2	15540.000	49.18	-0.30	48.88	54.00	-5.12	peak



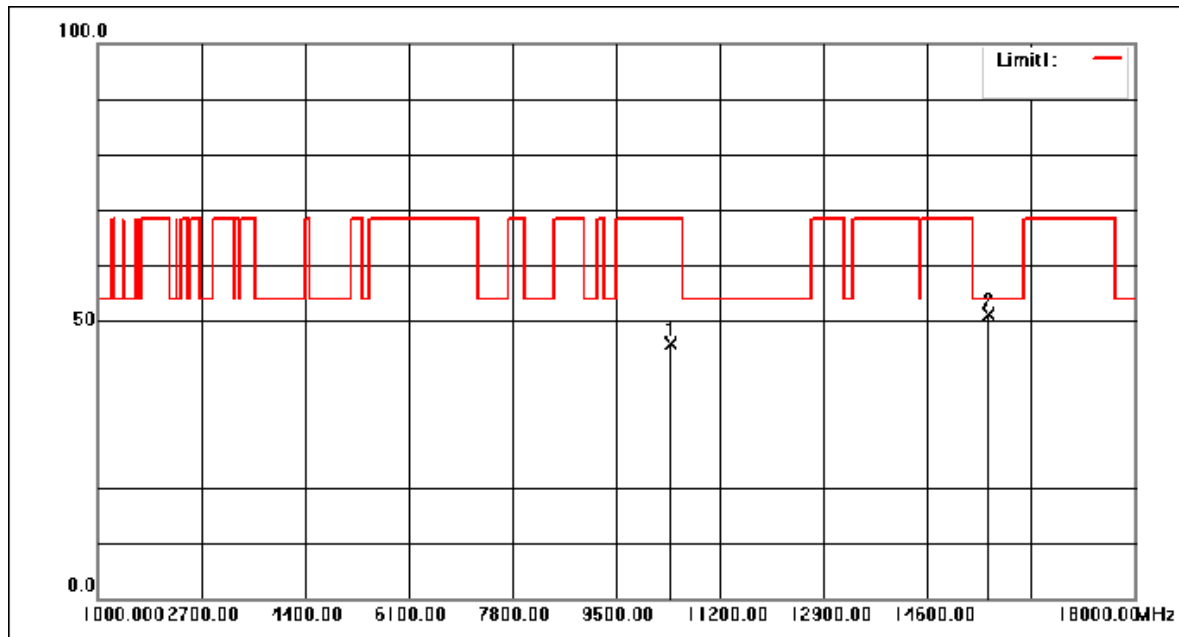
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Mode:e; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10400.000	48.30	-2.53	45.77	68.30	-22.53	peak
2	15600.000	51.41	-0.35	51.06	54.00	-2.94	peak



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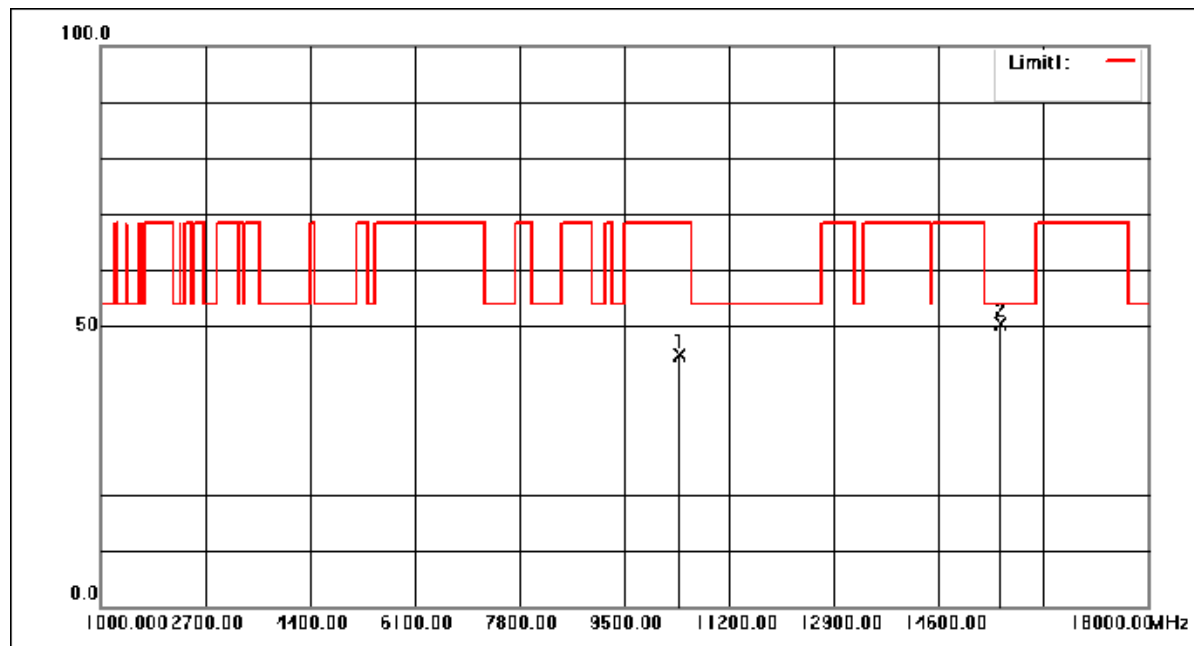
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Mode:e; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10400.000	47.30	-2.53	44.77	68.30	-23.53	peak
2	15600.000	50.63	-0.35	50.28	54.00	-3.72	peak



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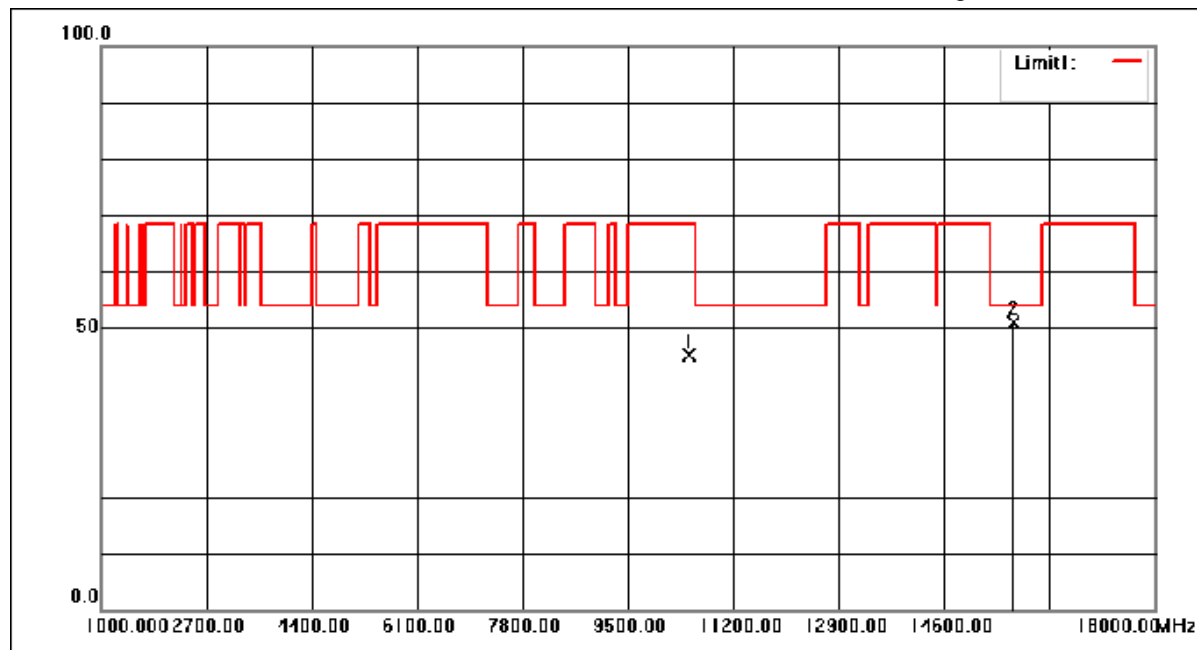
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Mode:e; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10480.000	47.65	-2.41	45.24	68.30	-23.06	peak
2	15720.000	51.22	-0.44	50.78	54.00	-3.22	peak

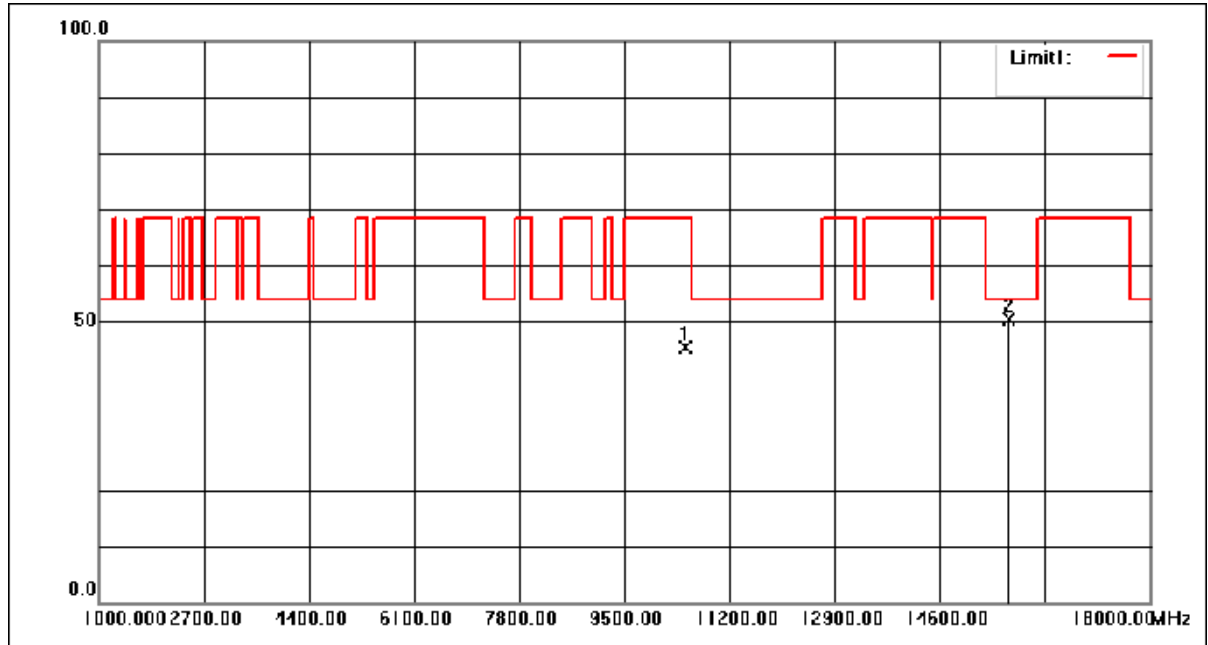
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Mode:e; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10480.000	47.89	-2.41	45.48	68.30	-22.82	peak
2	15720.000	50.91	-0.44	50.47	54.00	-3.53	peak



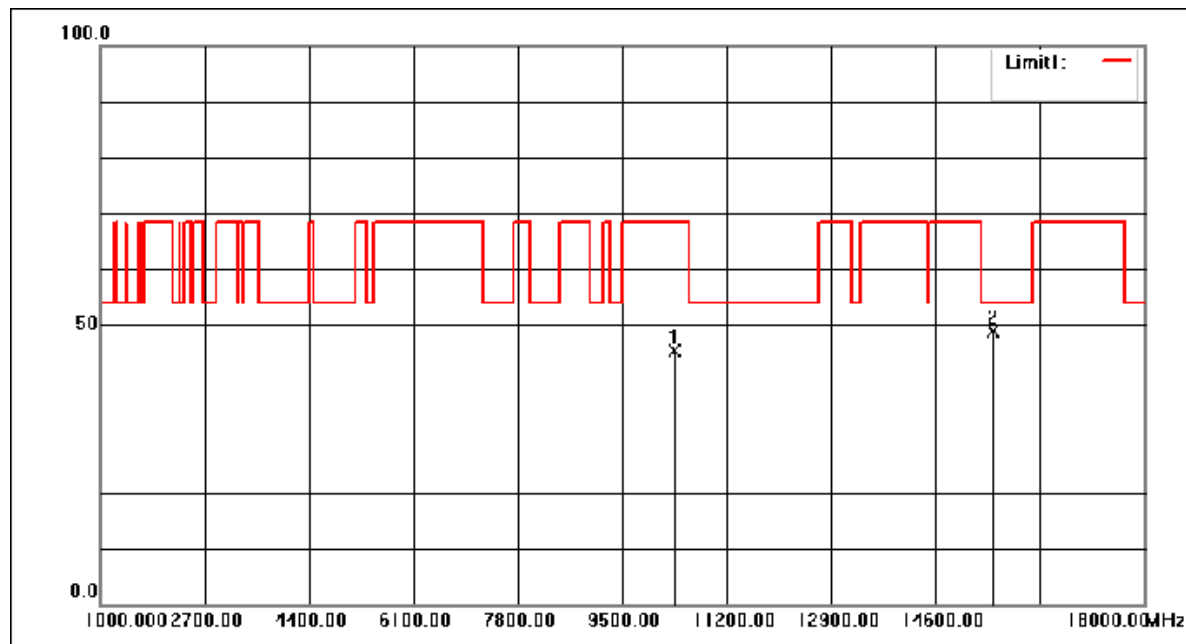
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10360.000	48.07	-2.59	45.48	68.30	-22.82	peak
2	15540.000	49.22	-0.30	48.92	54.00	-5.08	peak



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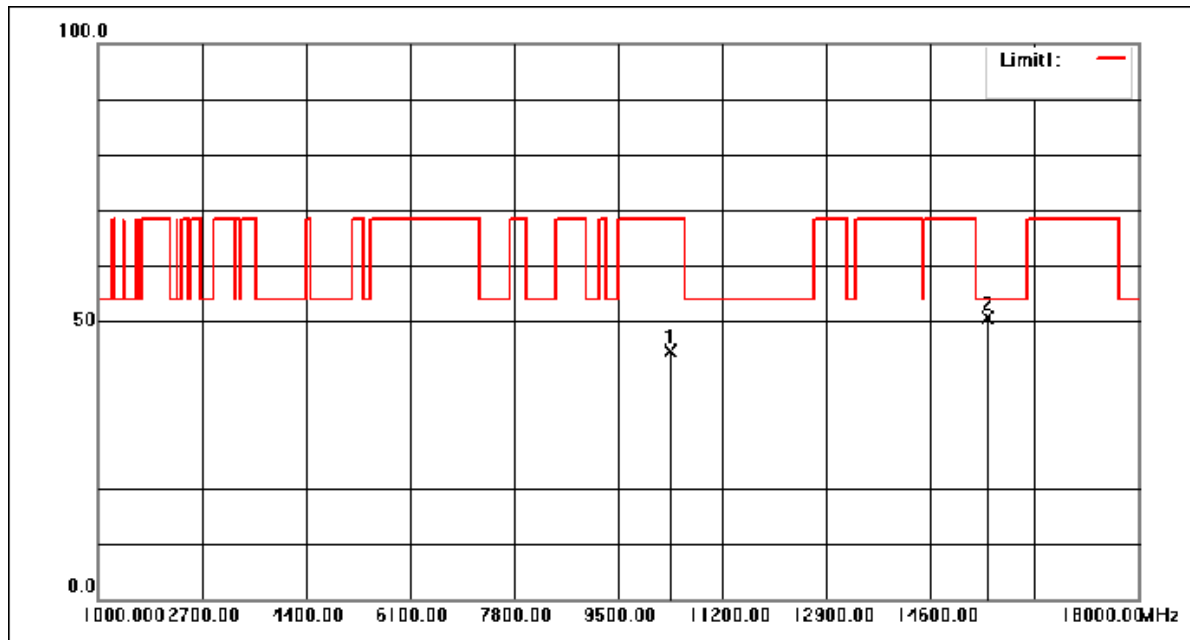
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10360.000	47.25	-2.59	44.66	68.30	-23.64	peak
2	15540.000	51.02	-0.30	50.72	54.00	-3.28	peak



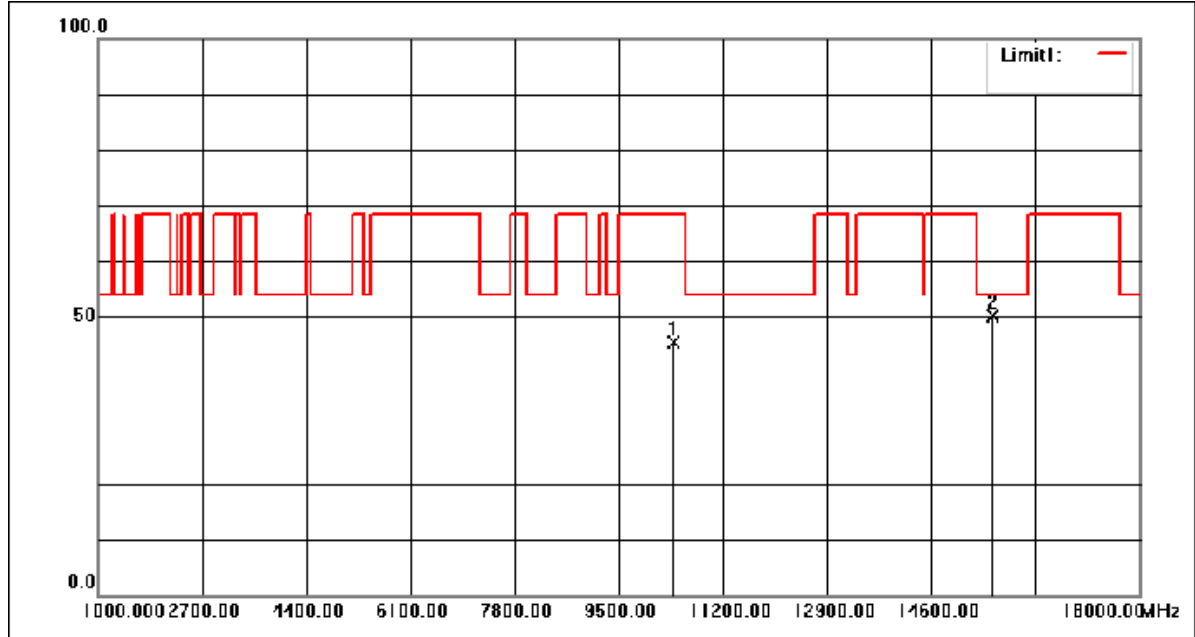
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10400.000	48.03	-2.53	45.50	68.30	-22.80	peak
2	15600.000	50.48	-0.35	50.13	54.00	-3.87	peak



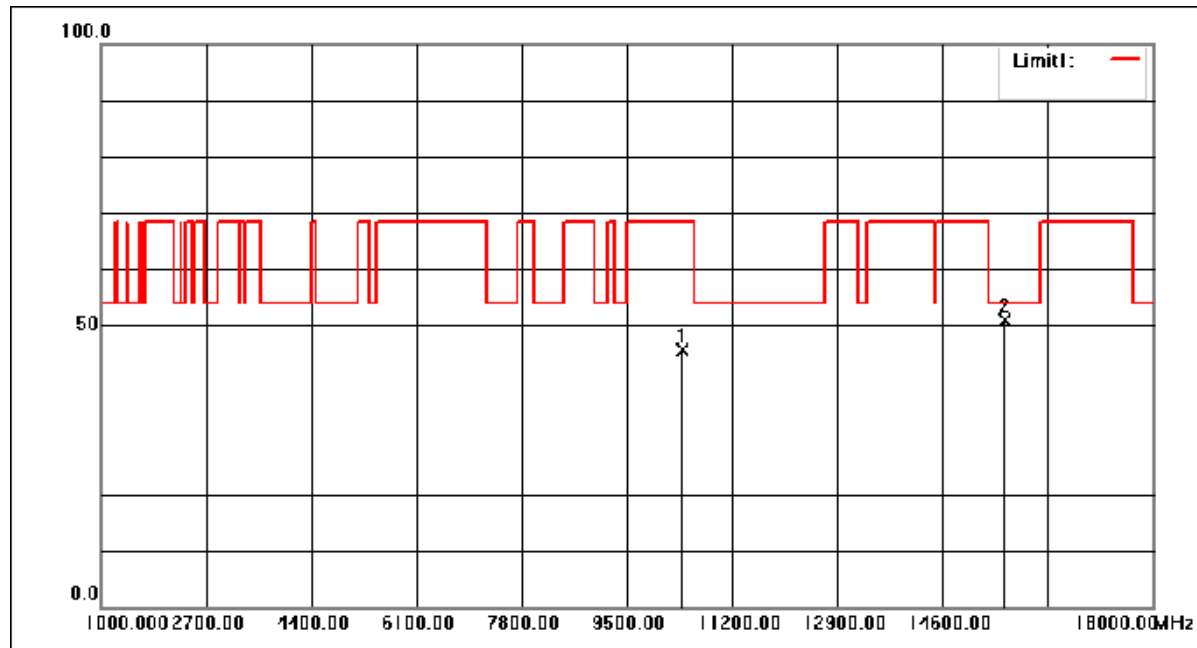
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10400.000	48.15	-2.53	45.62	68.30	-22.68	peak
2	15600.000	51.12	-0.35	50.77	54.00	-3.23	peak



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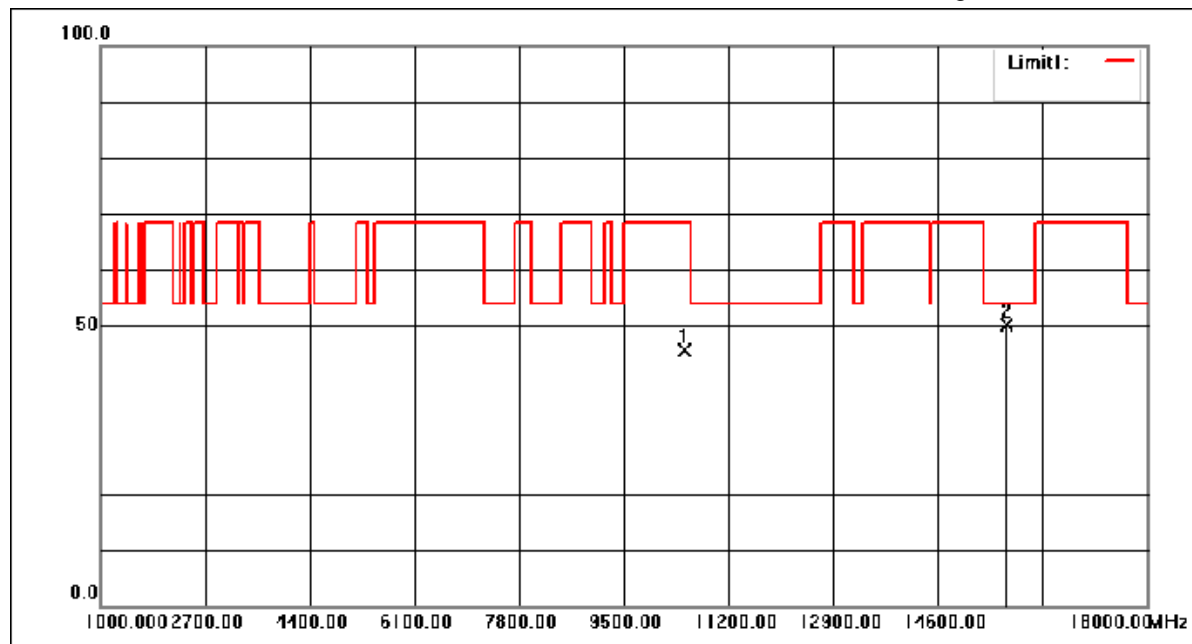
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dB)	Correction factor (dB)	Result (dB)	Limit (dB)	Margin (dB)	Remark
1	10480.000	47.99	-2.41	45.58	68.30	-22.72	peak
2	15720.000	50.56	-0.44	50.12	54.00	-3.88	peak



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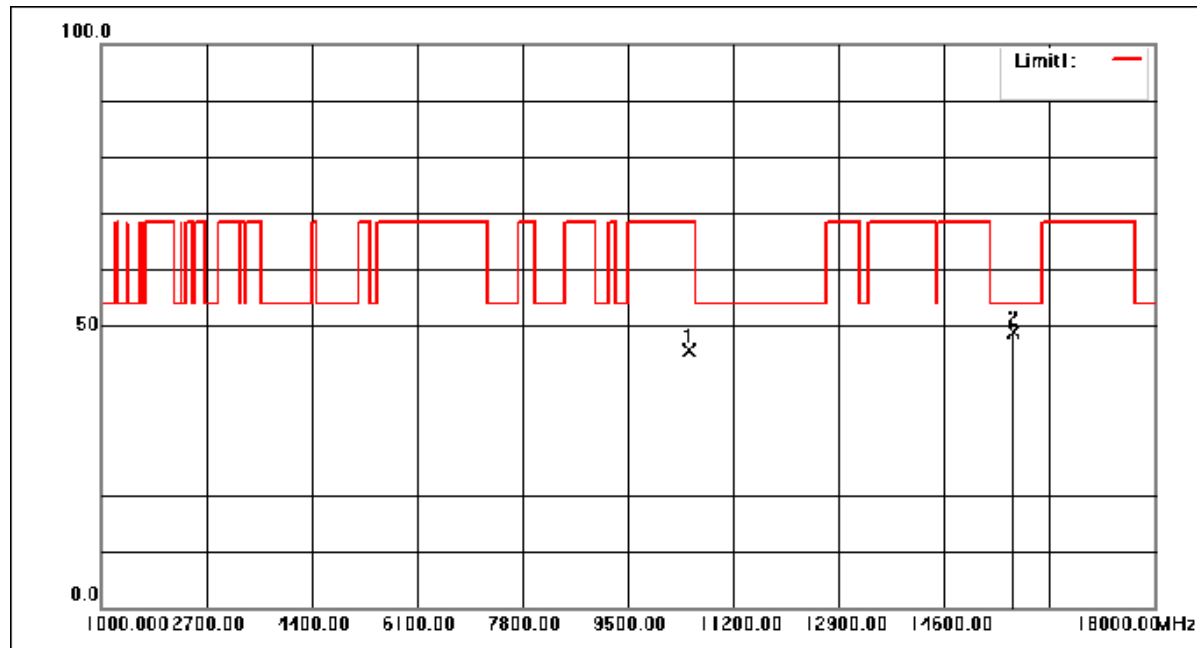
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10480.000	47.94	-2.41	45.53	68.30	-22.77	peak
2	15720.000	49.35	-0.44	48.91	54.00	-5.09	peak



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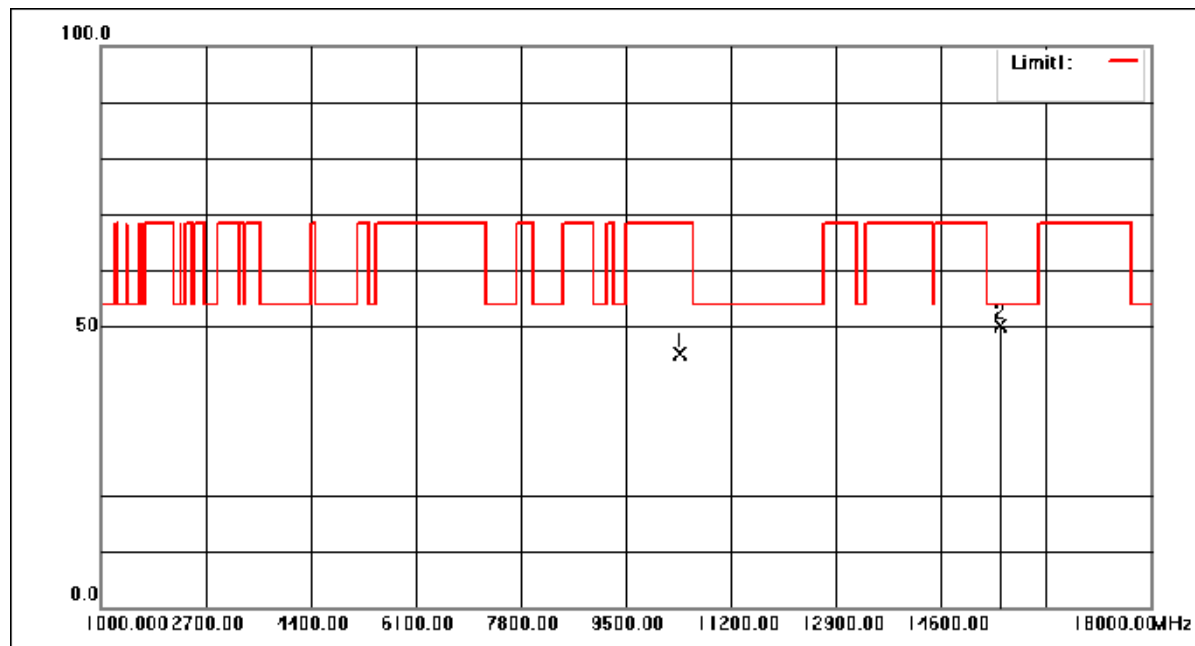
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10380.000	47.68	-2.56	45.12	68.30	-23.18	peak
2	15570.000	50.39	-0.32	50.07	54.00	-3.93	peak



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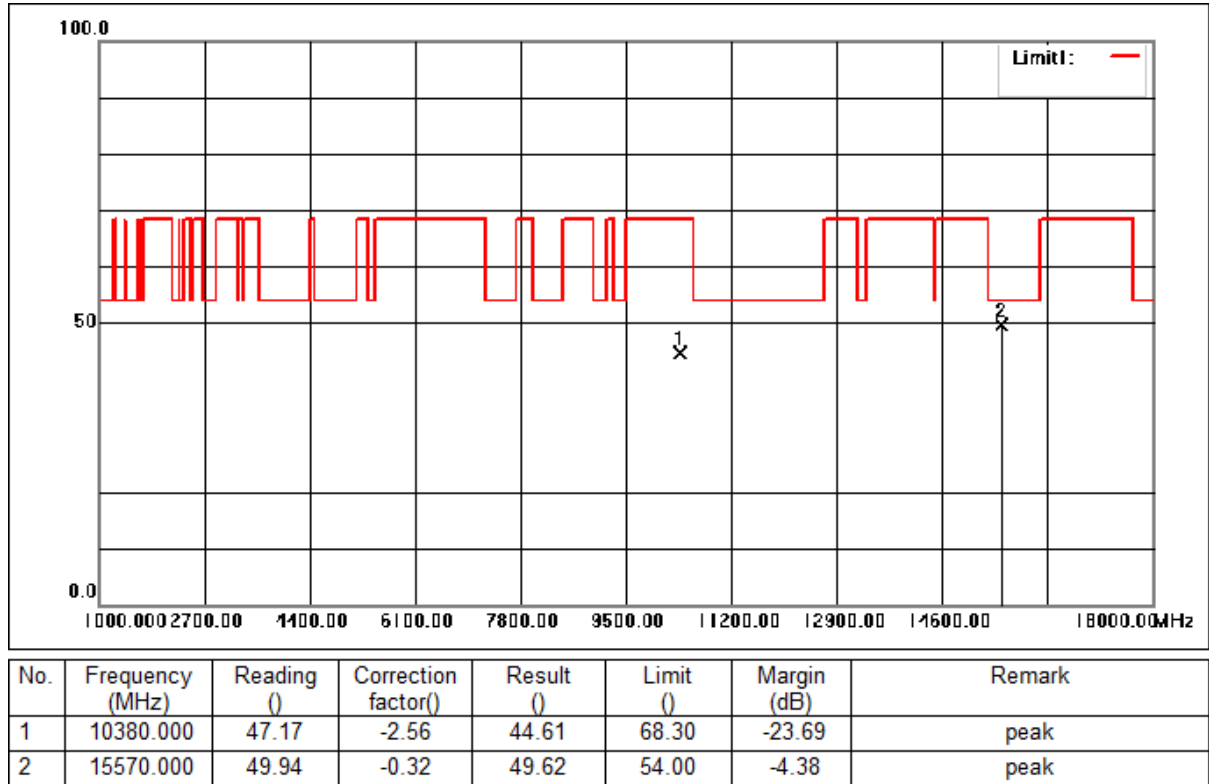
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



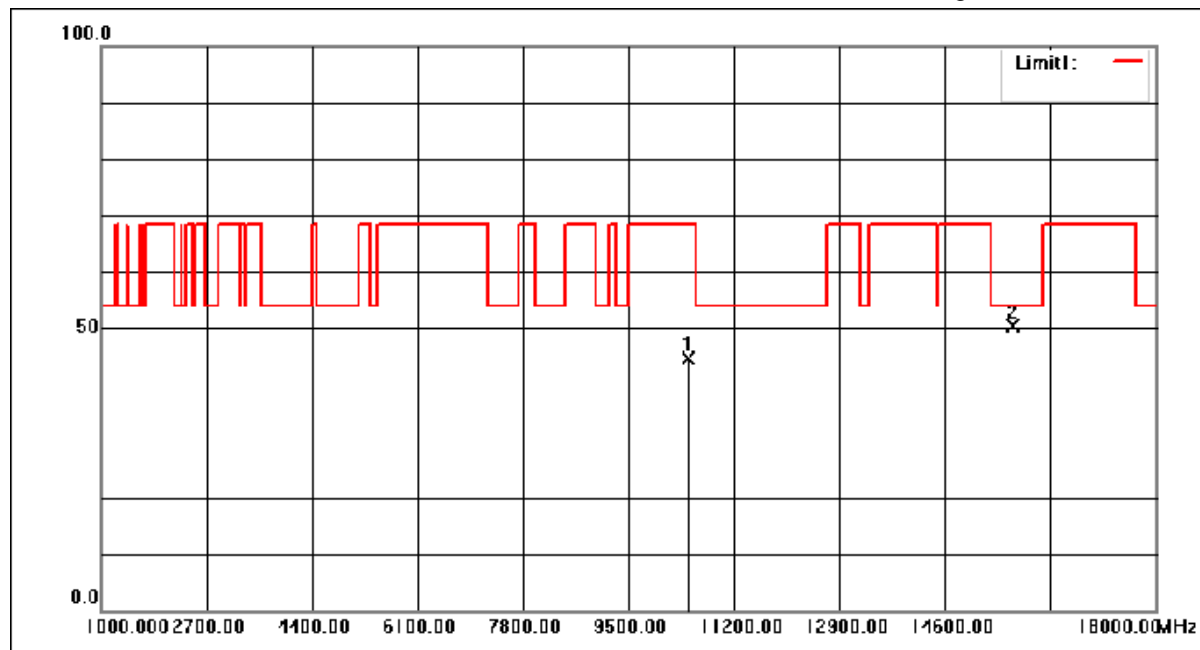
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ( )	Correction factor( )	Result ( )	Limit ( )	Margin (dB)	Remark
1	10460.000	47.16	-2.44	44.72	68.30	-23.58	peak
2	15690.000	50.87	-0.42	50.45	54.00	-3.55	peak



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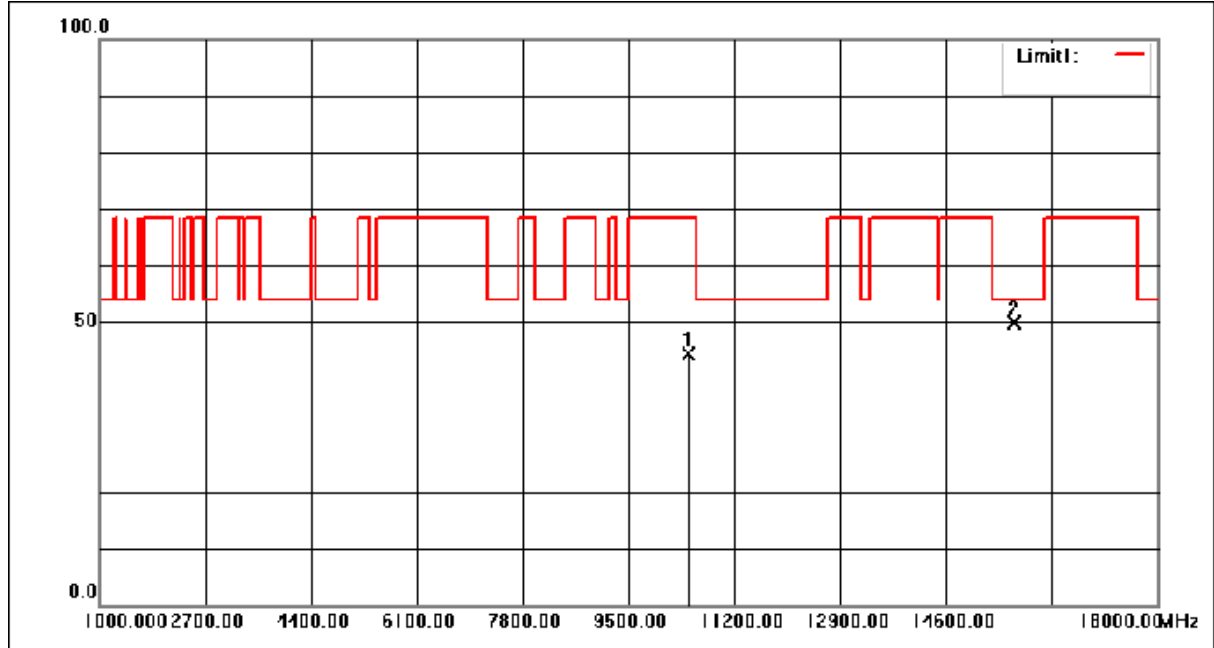
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dB)	Correction factor (dB)	Result (dB)	Limit (dB)	Margin (dB)	Remark
1	10460.000	46.85	-2.44	44.41	68.30	-23.89	peak
2	15690.000	50.39	-0.42	49.97	54.00	-4.03	peak



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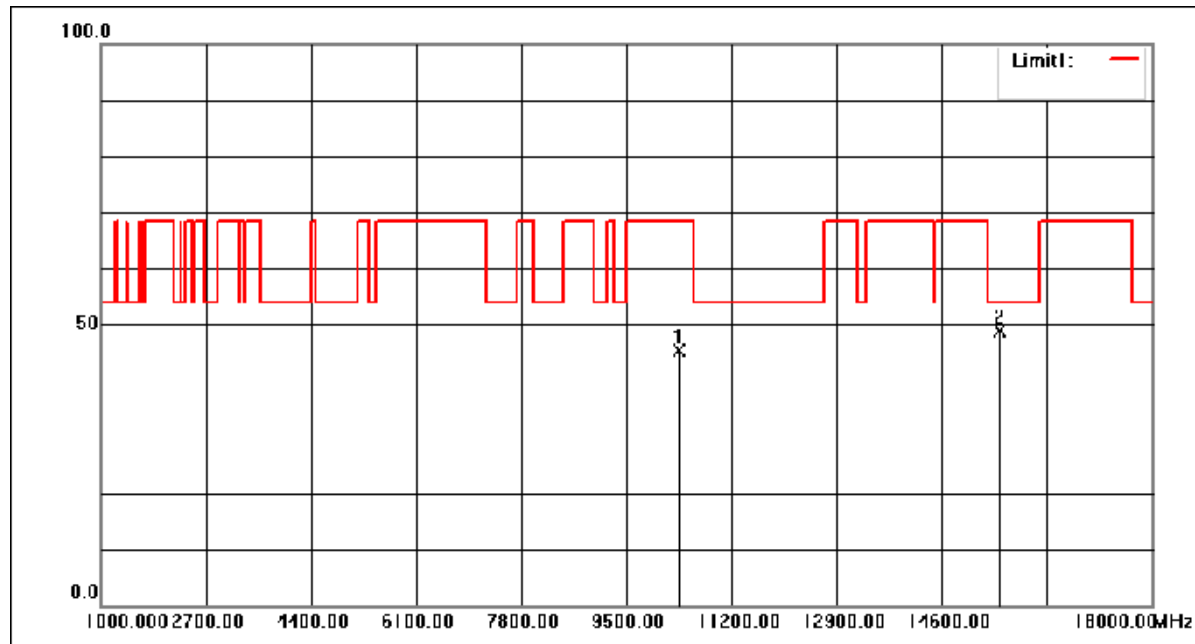
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10360.000	48.07	-2.59	45.48	68.30	-22.82	peak
2	15540.000	49.22	-0.30	48.92	54.00	-5.08	peak



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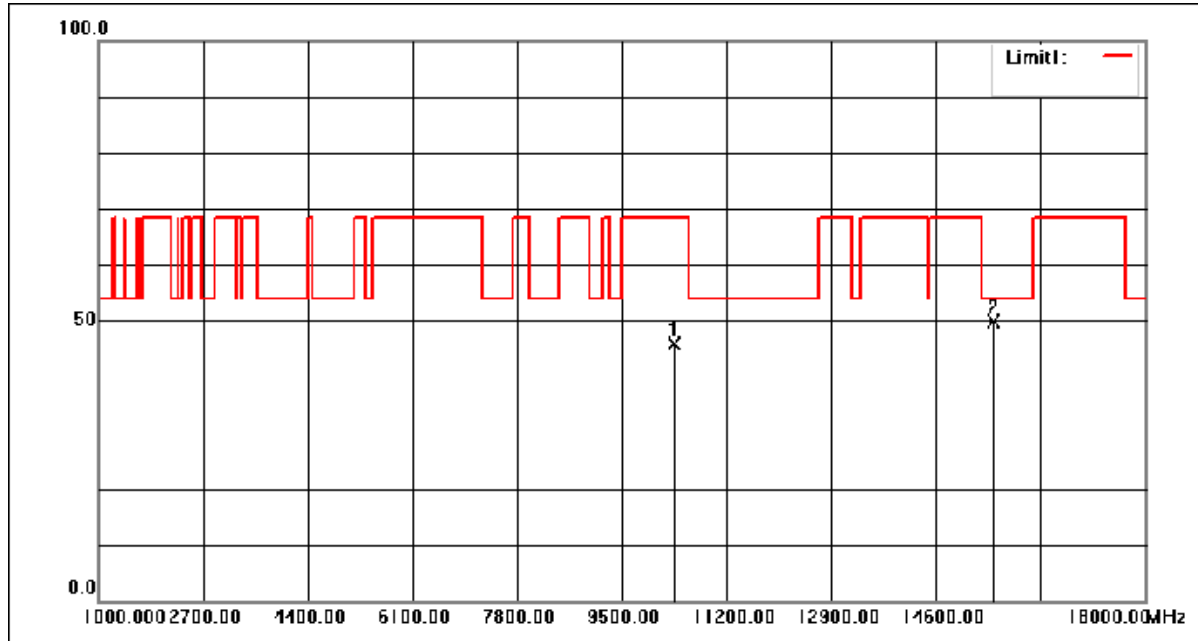
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10360.000	48.52	-2.59	45.93	68.30	-22.37	peak
2	15540.000	50.27	-0.30	49.97	54.00	-4.03	peak



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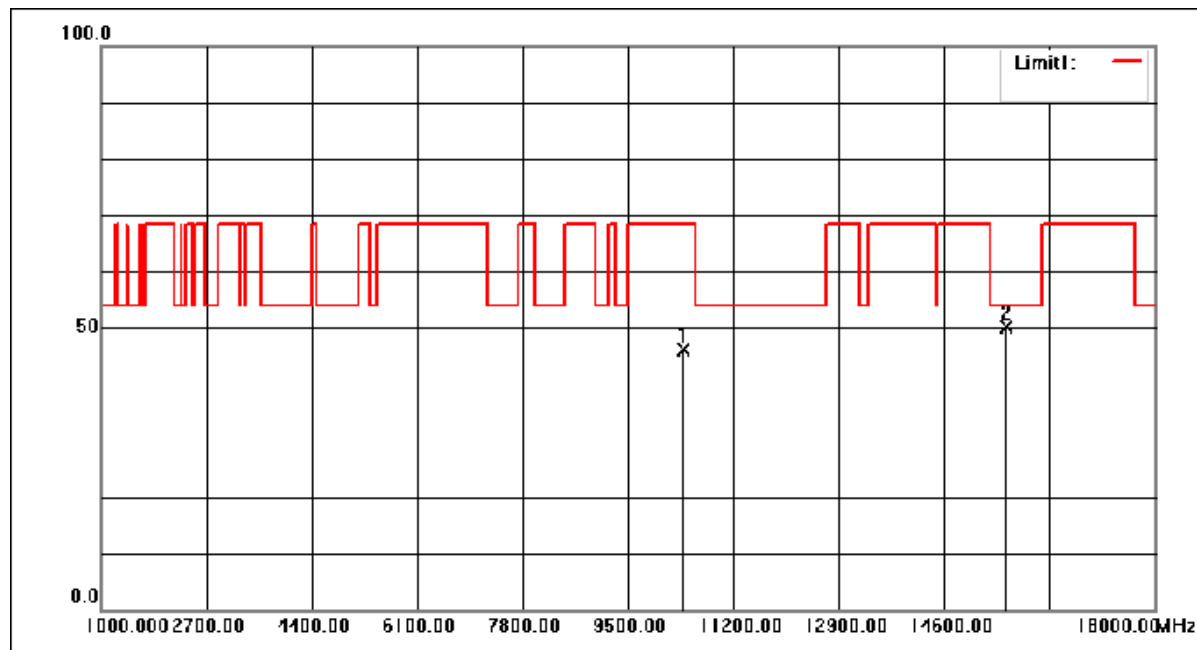
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ( )	Correction factor( )	Result ( )	Limit ( )	Margin (dB)	Remark
1	10400.000	48.63	-2.53	46.10	68.30	-22.20	peak
2	15600.000	50.49	-0.35	50.14	54.00	-3.86	peak



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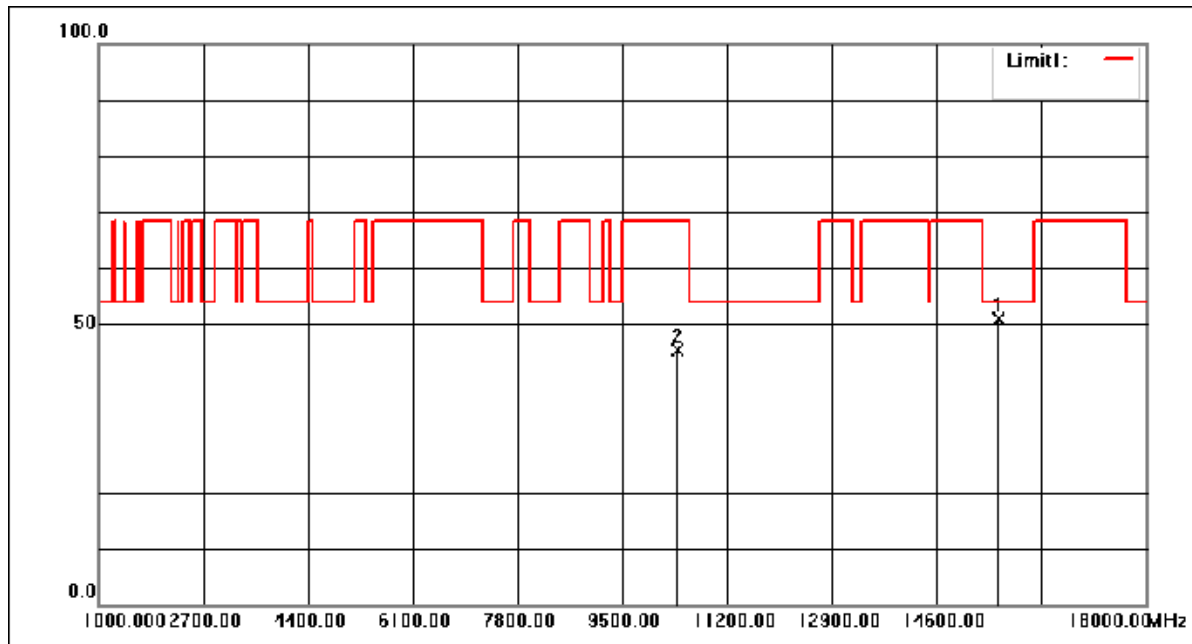
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	15600.000	51.24	-0.35	50.89	54.00	-3.11	peak
2	10400.000	47.85	-2.53	45.32	68.30	-22.98	peak



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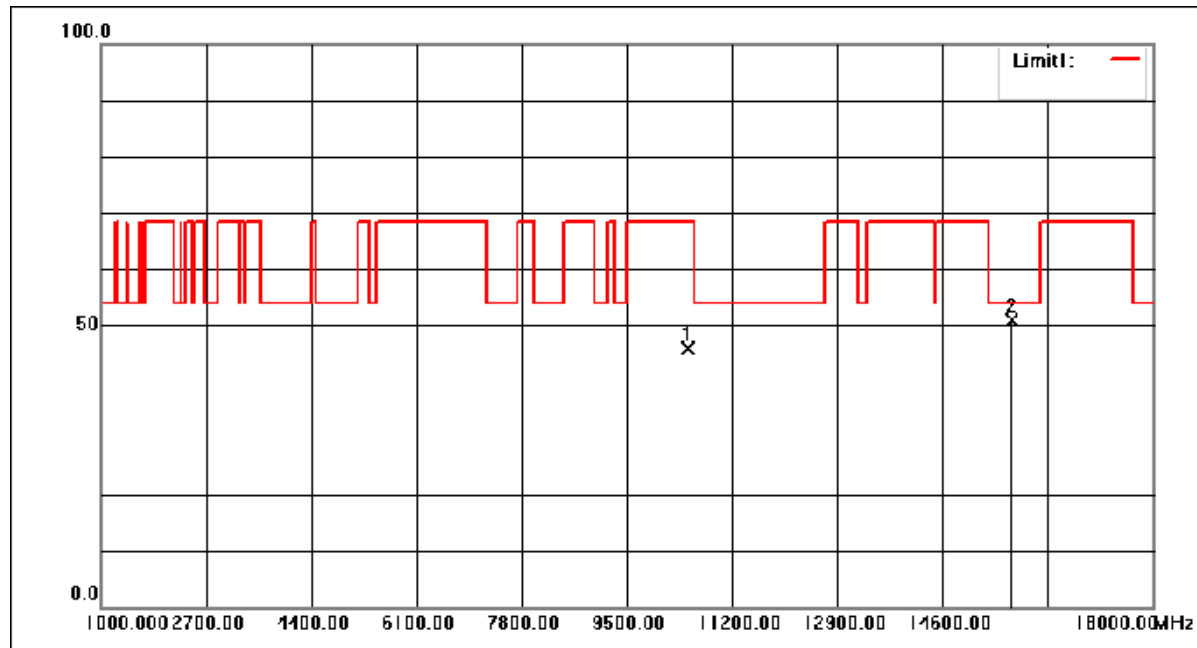
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10480.000	48.28	-2.41	45.87	68.30	-22.43	peak
2	15720.000	51.26	-0.44	50.82	54.00	-3.18	peak



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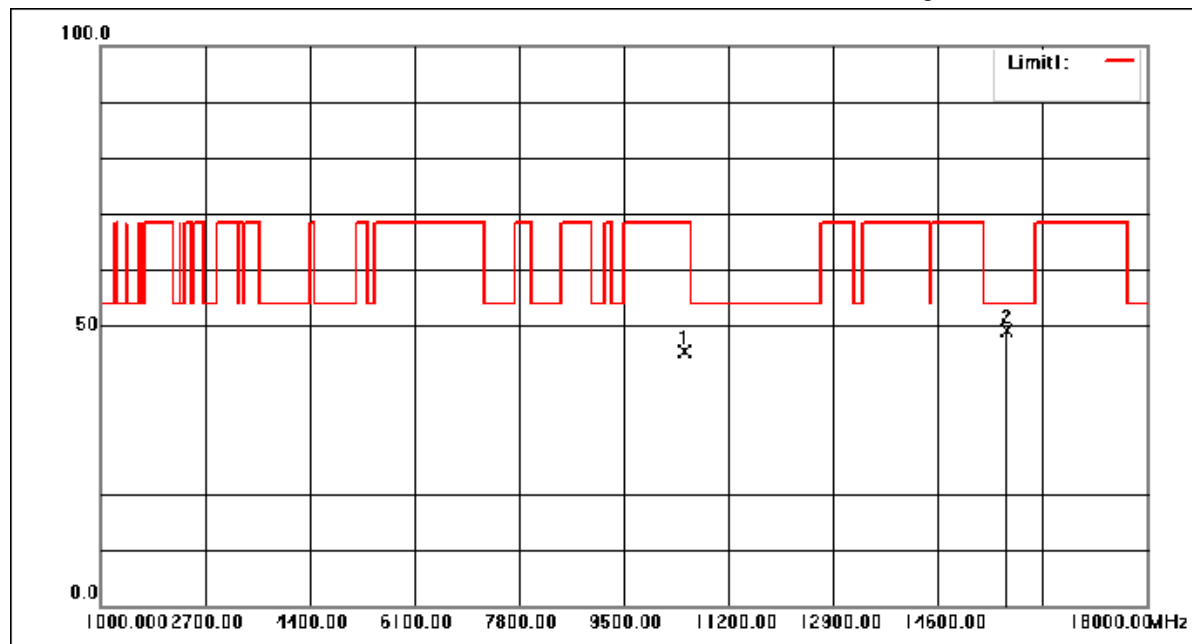
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dB)	Correction factor (dB)	Result (dB)	Limit (dB)	Margin (dB)	Remark
1	10480.000	47.82	-2.41	45.41	68.30	-22.89	peak
2	15720.000	49.62	-0.44	49.18	54.00	-4.82	peak



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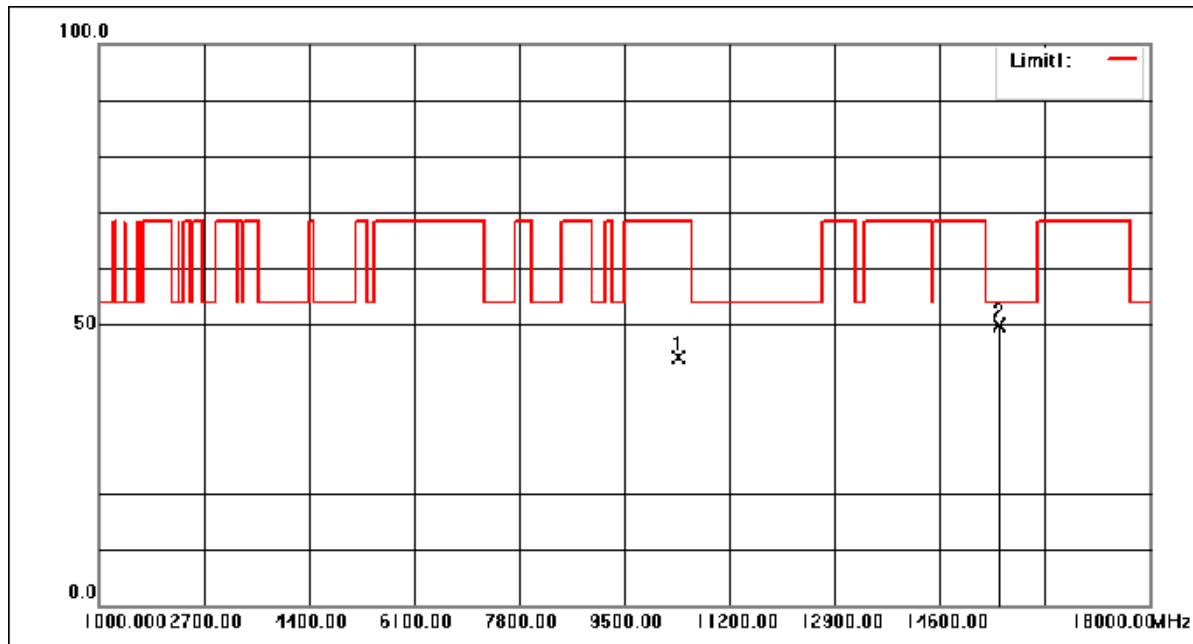
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10380.000	46.78	-2.56	44.22	68.30	-24.08	peak
2	15570.000	50.19	-0.32	49.87	54.00	-4.13	peak



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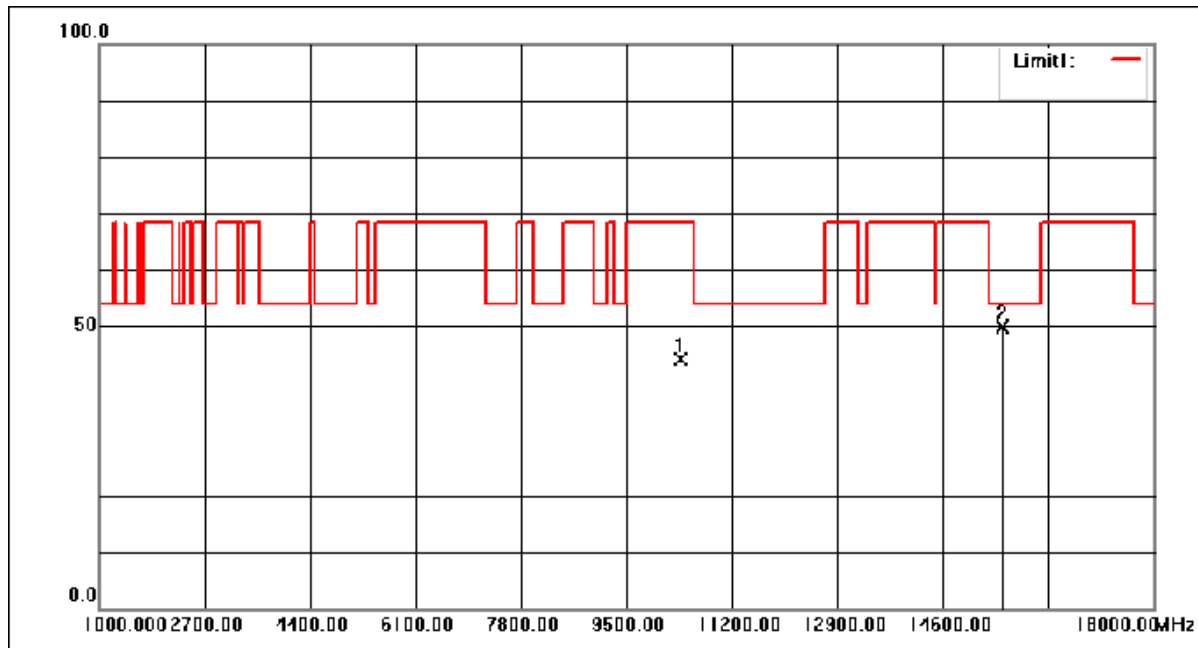
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10380.000	46.77	-2.56	44.21	68.30	-24.09	peak
2	15570.000	50.18	-0.32	49.86	54.00	-4.14	peak



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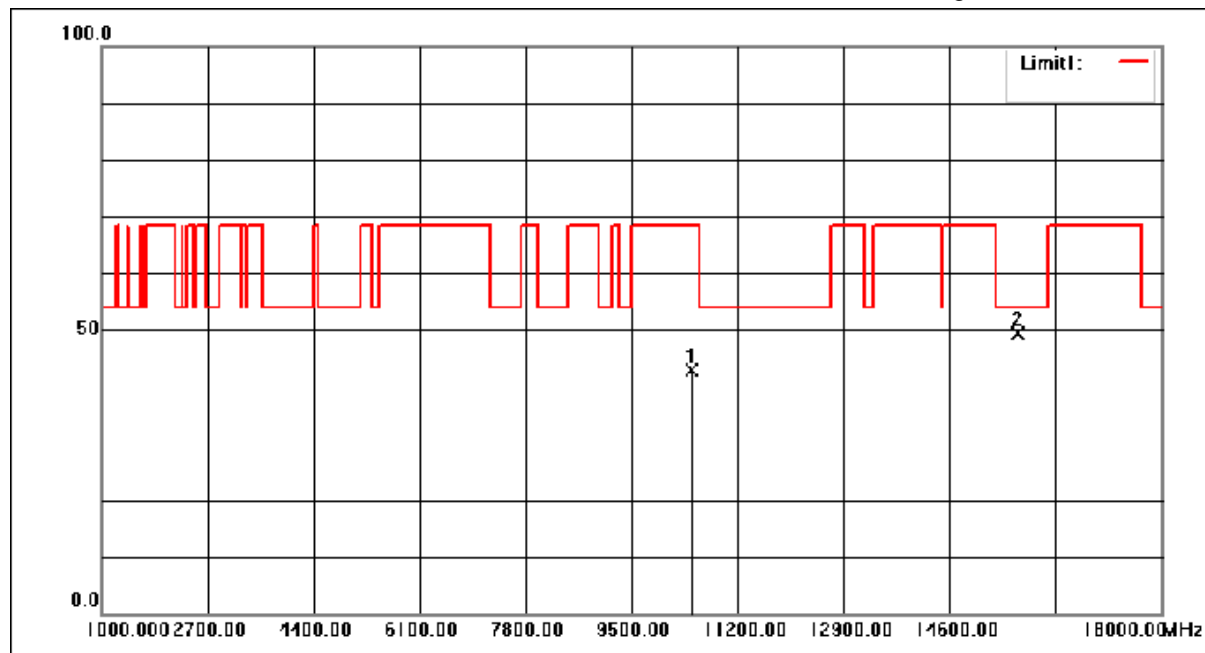
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10460.000	45.44	-2.44	43.00	68.30	-25.30	peak
2	15690.000	49.73	-0.42	49.31	54.00	-4.69	peak



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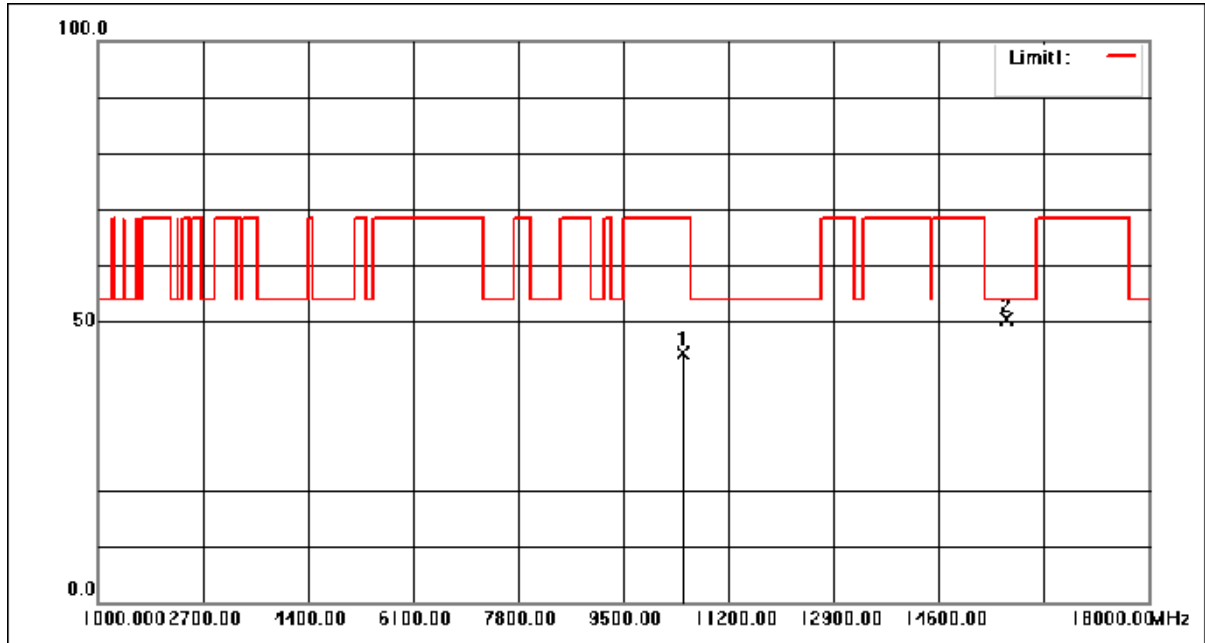
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10460.000	46.72	-2.44	44.28	68.30	-24.02	peak
2	15690.000	50.81	-0.42	50.39	54.00	-3.61	peak



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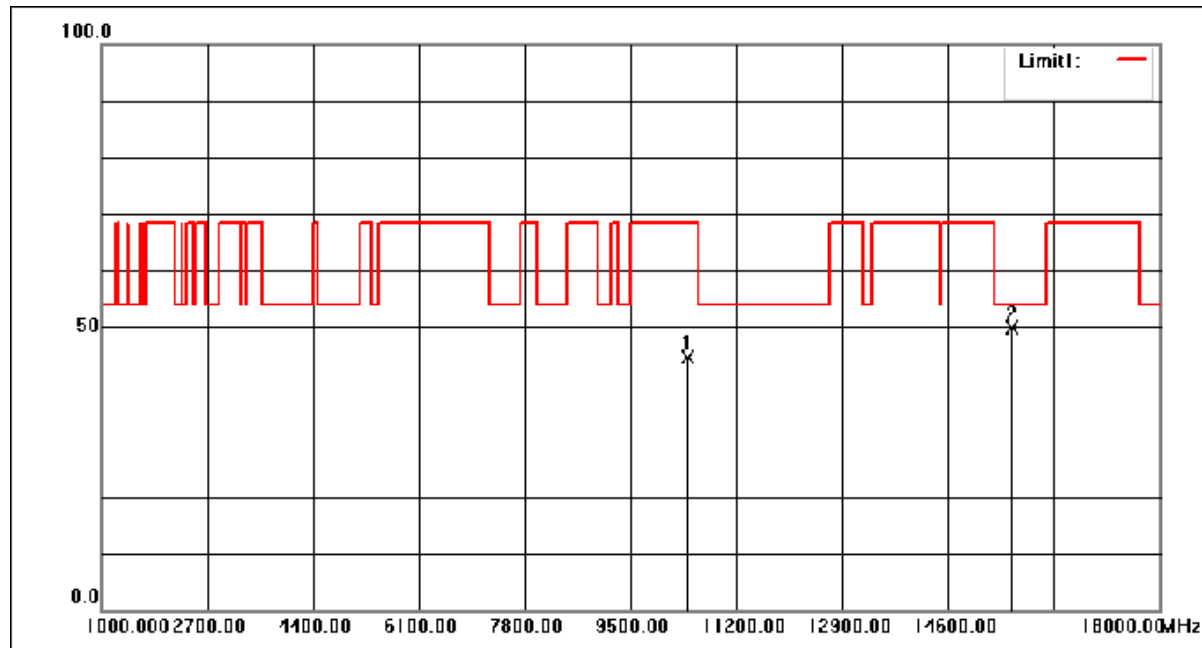
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10420.000	47.13	-2.50	44.63	68.30	-23.67	peak
2	15630.000	50.33	-0.37	49.96	54.00	-4.04	peak



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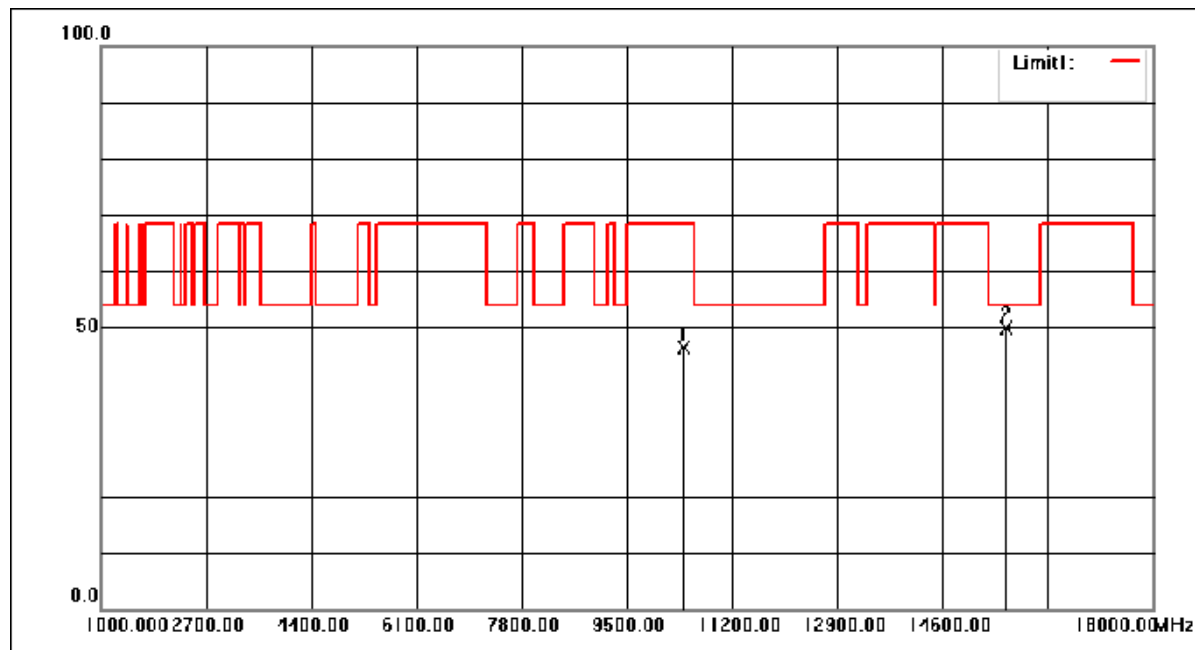
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10420.000	48.87	-2.50	46.37	68.30	-21.93	peak
2	15630.000	50.19	-0.37	49.82	54.00	-4.18	peak



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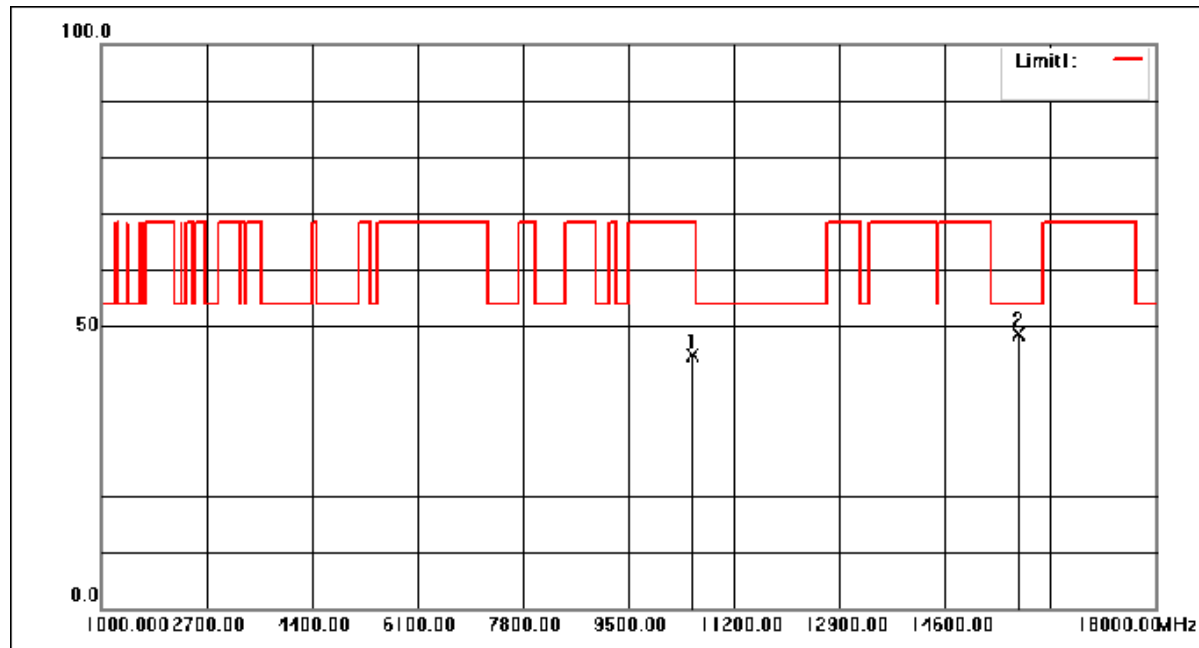
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Mode:f; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10520.000	47.13	-2.33	44.80	68.30	-23.50	peak
2	15780.000	49.07	-0.49	48.58	54.00	-5.42	peak



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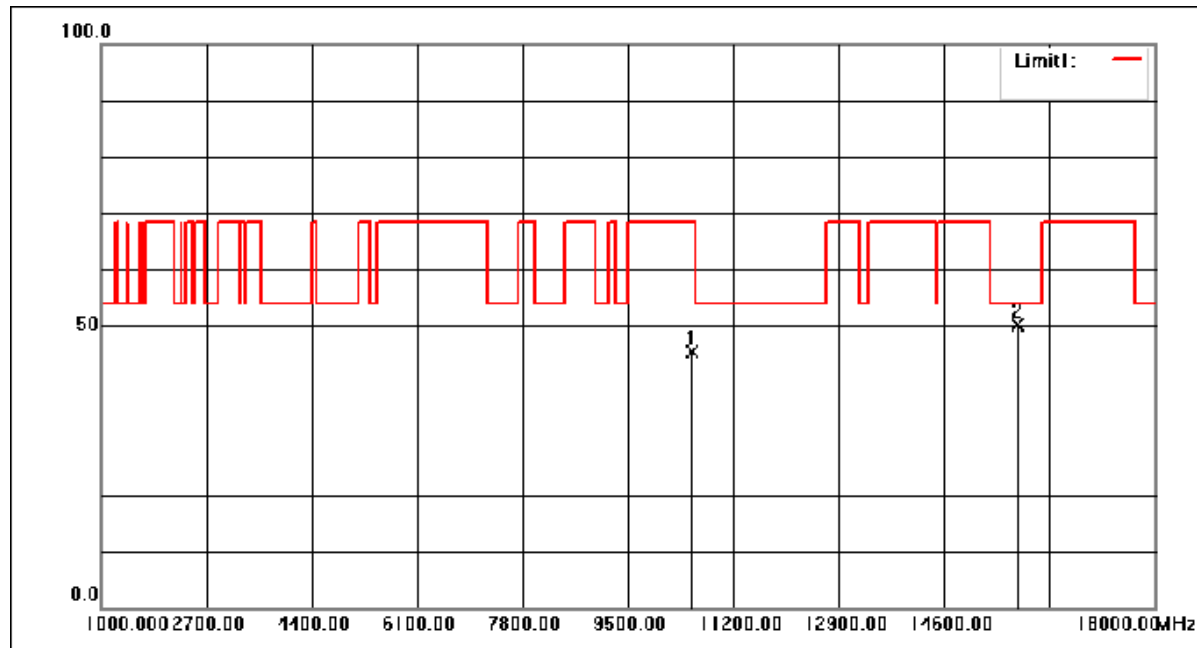
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Mode:f; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10520.000	47.83	-2.33	45.50	68.30	-22.80	peak
2	15780.000	50.57	-0.49	50.08	54.00	-3.92	peak



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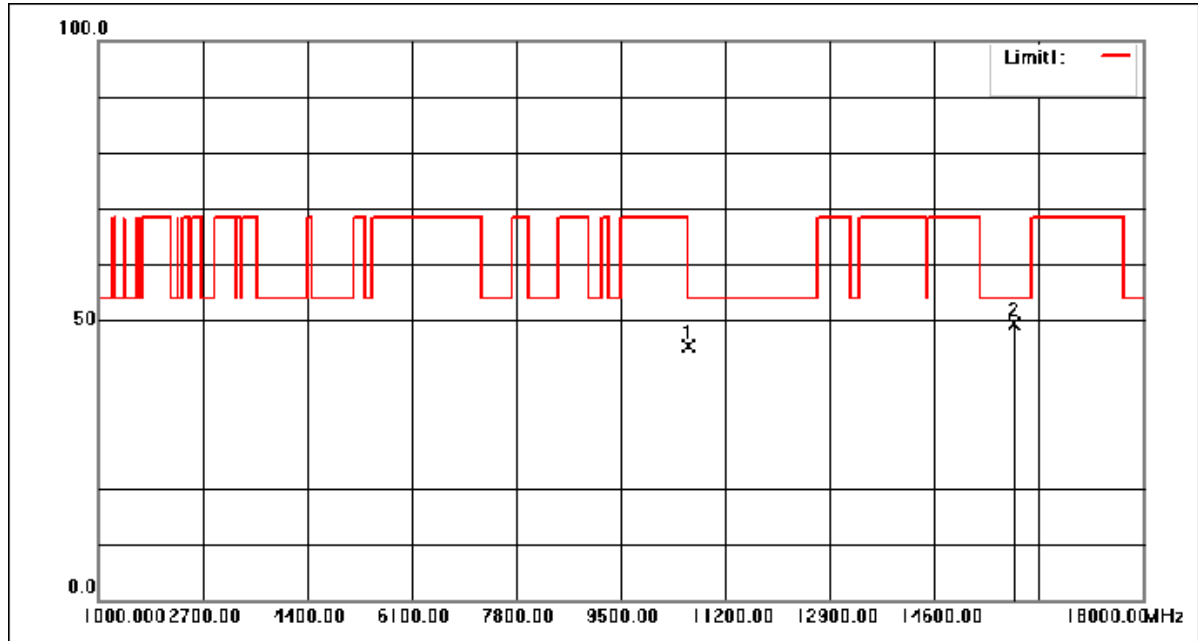
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Mode:f; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10600.000	47.59	-2.12	45.47	54.00	-8.53	peak
2	15900.000	49.97	-0.58	49.39	54.00	-4.61	peak



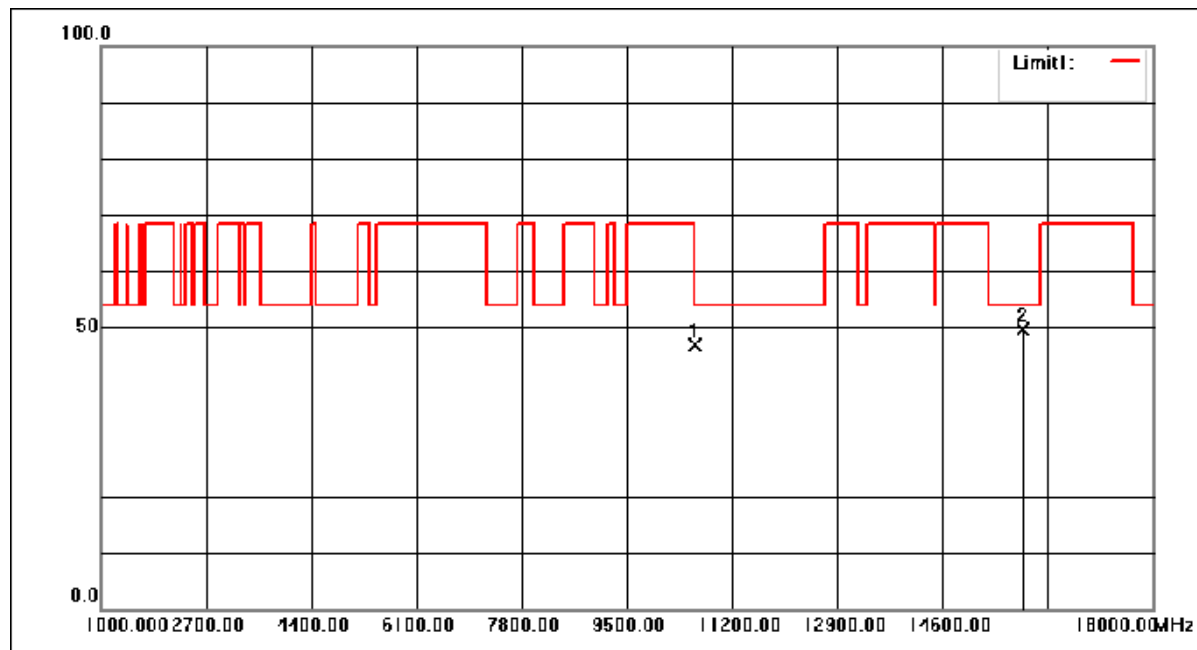
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Mode:f; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10600.000	48.91	-2.12	46.79	54.00	-7.21	peak
2	15900.000	50.32	-0.58	49.74	54.00	-4.26	peak



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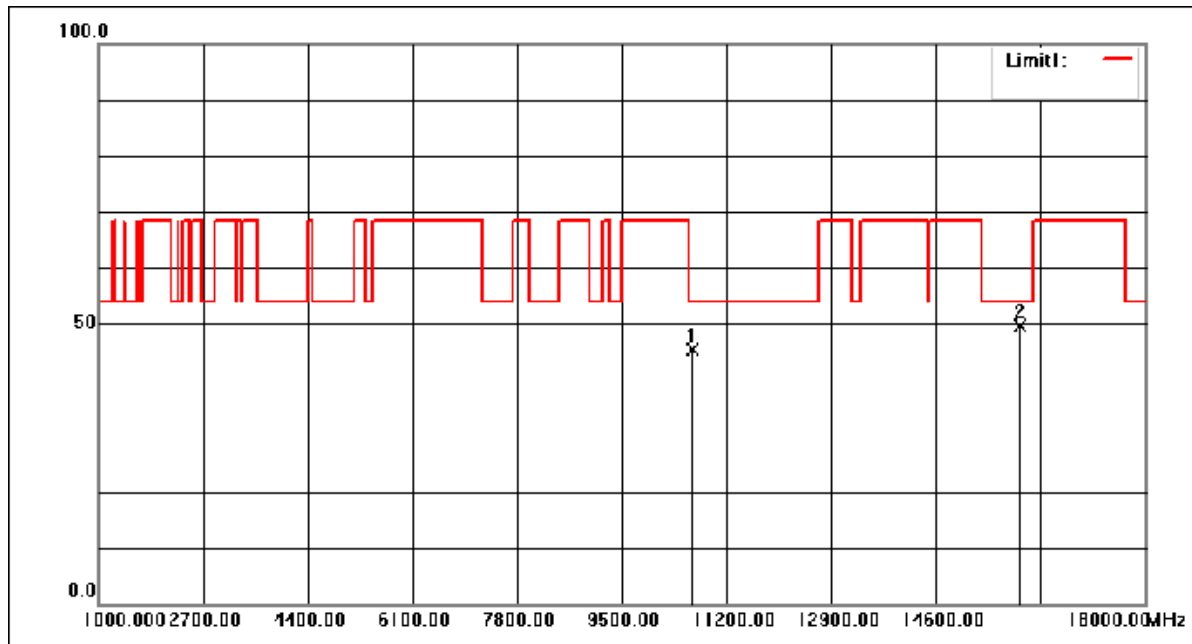
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Mode:f; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10640.000	47.48	-2.01	45.47	54.00	-8.53	peak
2	15960.000	50.32	-0.63	49.69	54.00	-4.31	peak



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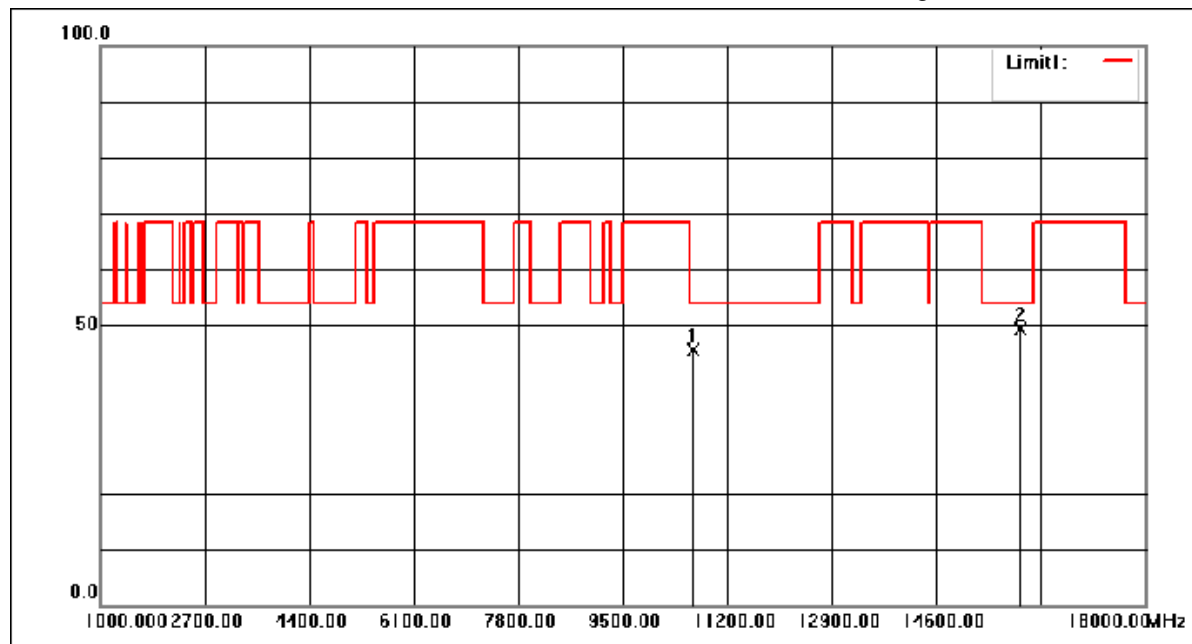
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Mode:f; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10640.000	47.57	-2.01	45.56	54.00	-8.44	peak
2	15960.000	49.89	-0.63	49.26	54.00	-4.74	peak



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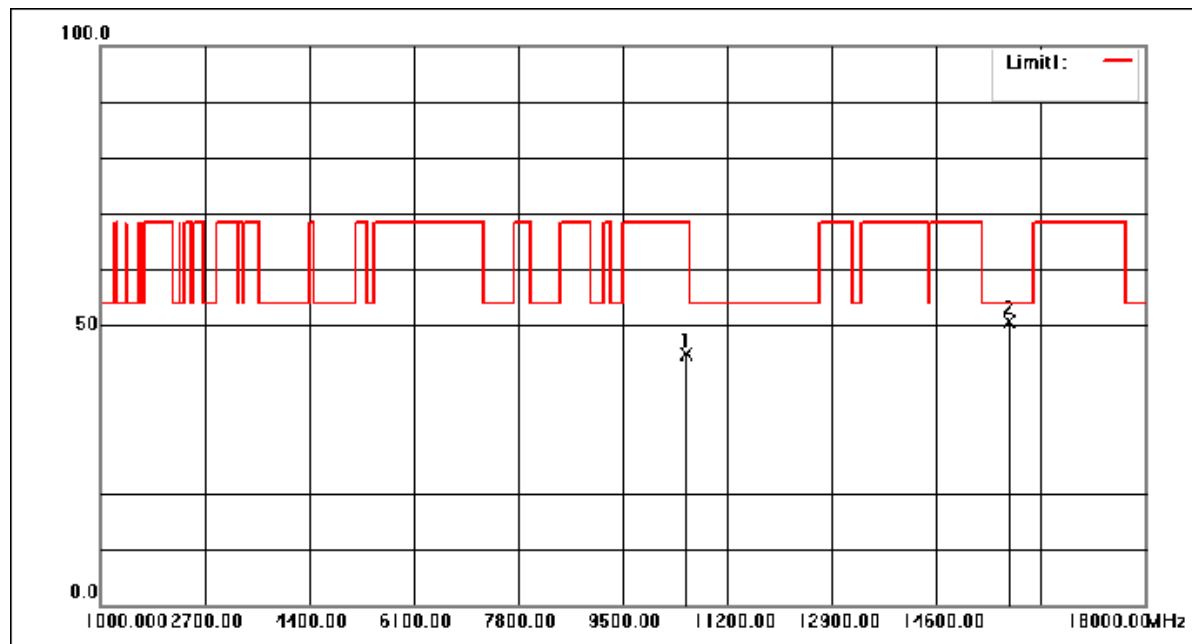
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Mode:f; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10520.000	47.23	-2.33	44.90	68.30	-23.40	peak
2	15780.000	51.14	-0.49	50.65	54.00	-3.35	peak



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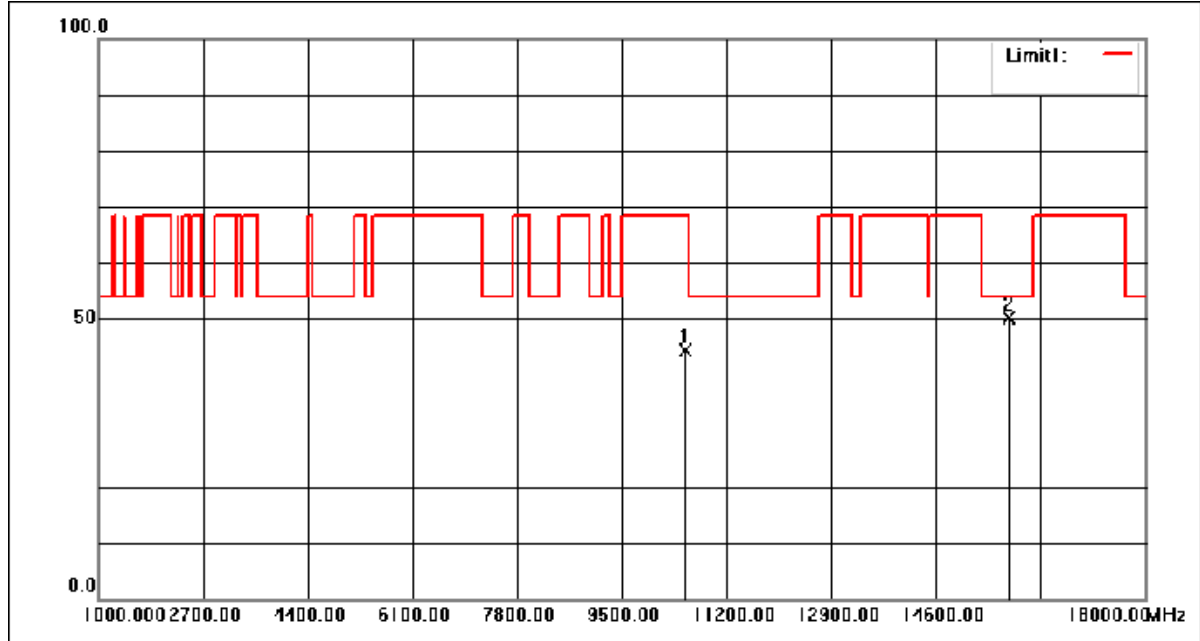
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Mode:f; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10520.000	46.82	-2.33	44.49	68.30	-23.81	peak
2	15780.000	50.73	-0.49	50.24	54.00	-3.76	peak



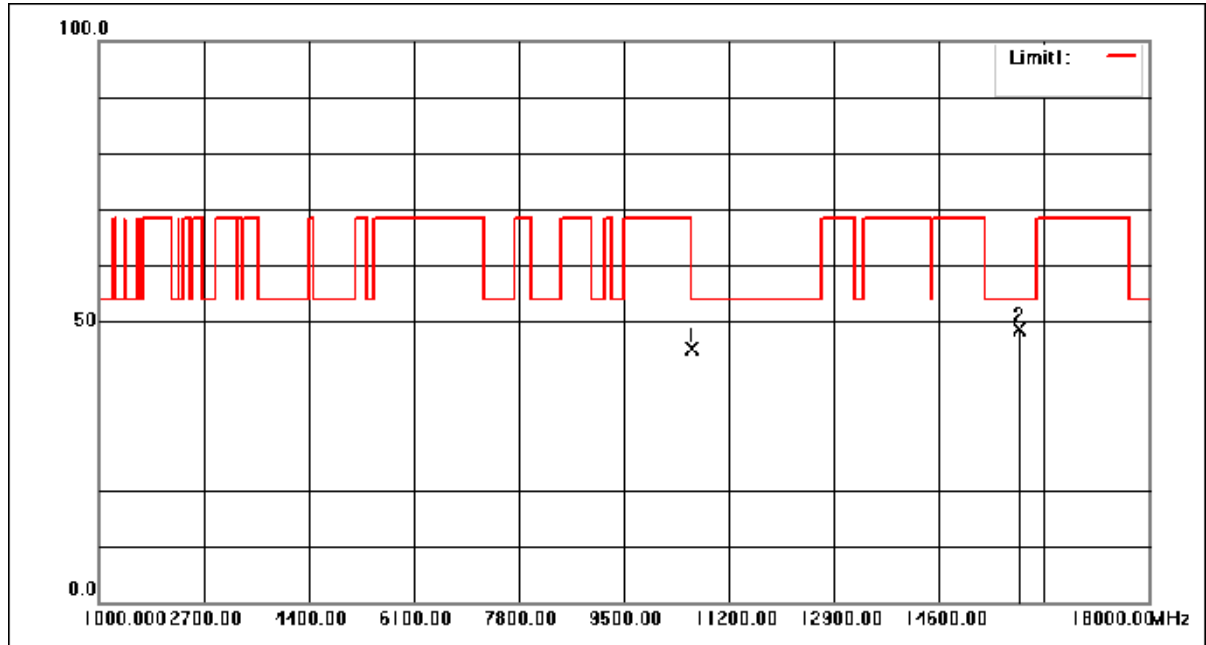
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Mode:f; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10600.000	47.35	-2.12	45.23	54.00	-8.77	peak
2	15900.000	49.10	-0.58	48.52	54.00	-5.48	peak



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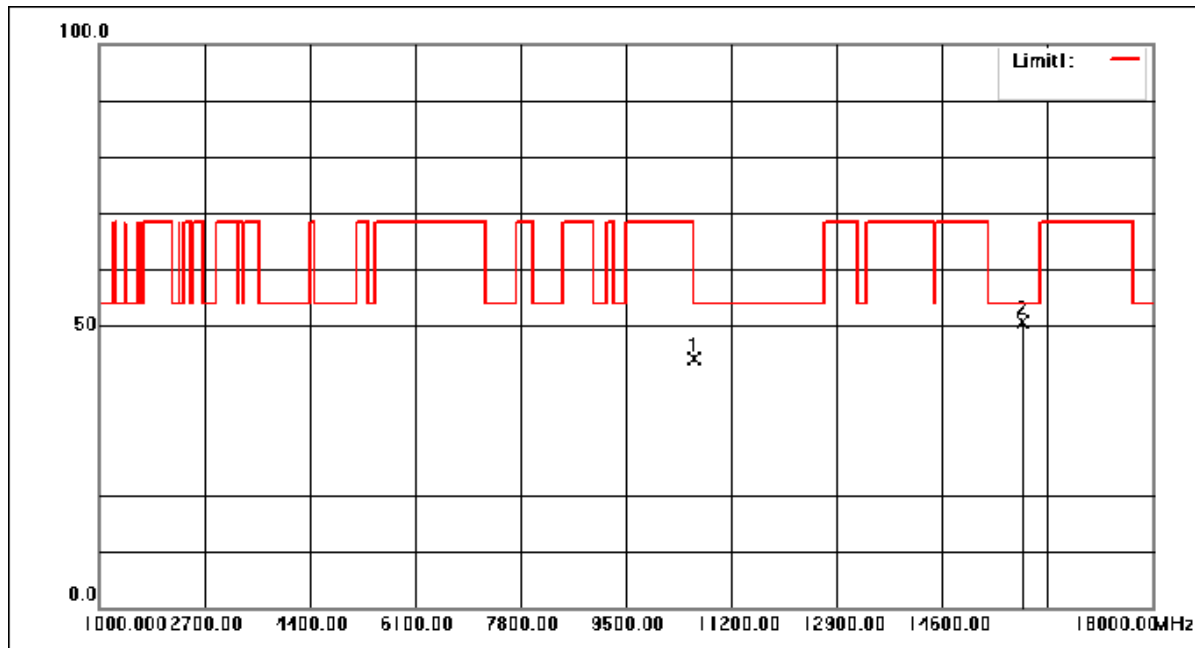
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Mode:f; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10600.000	46.26	-2.12	44.14	54.00	-9.86	peak
2	15900.000	51.28	-0.58	50.70	54.00	-3.30	peak



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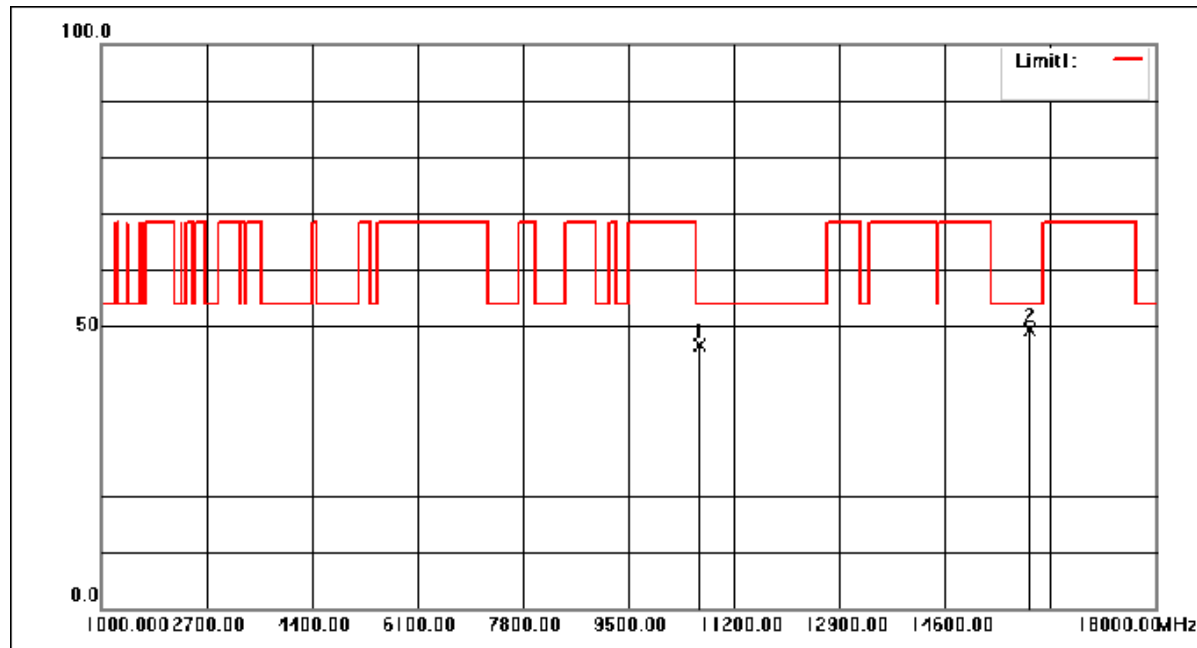
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Mode:f; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10640.000	48.57	-2.01	46.56	54.00	-7.44	peak
2	15960.000	50.07	-0.63	49.44	54.00	-4.56	peak



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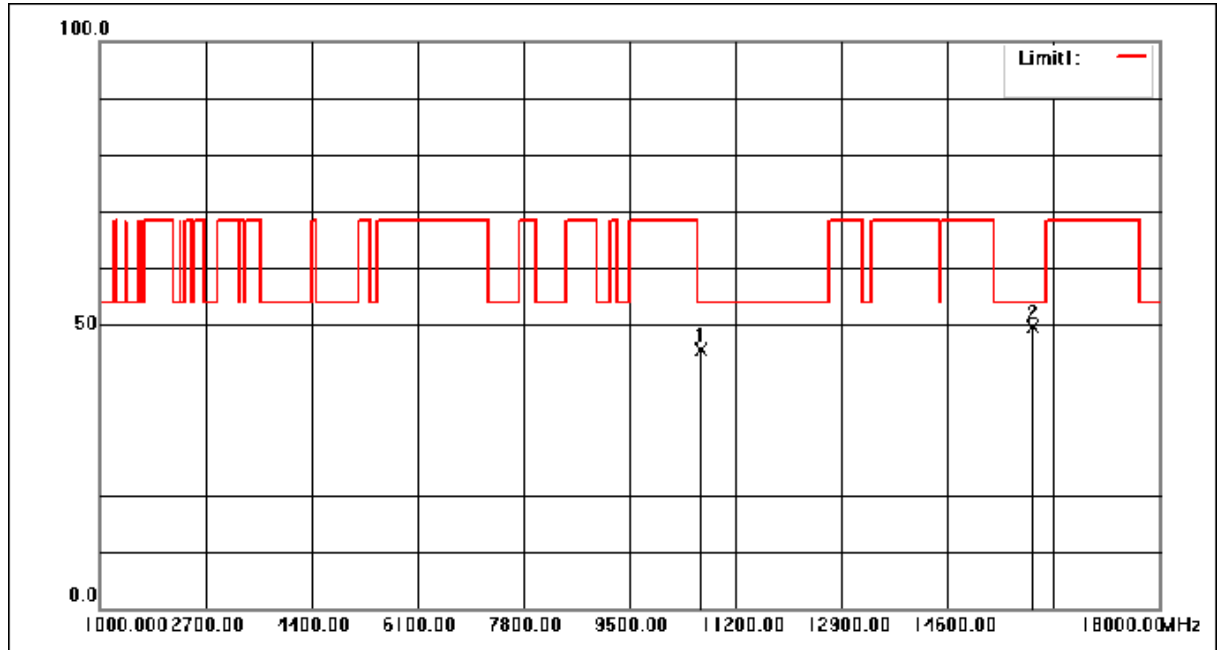
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Mode:f; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10640.000	47.58	-2.01	45.57	54.00	-8.43	peak
2	15960.000	50.33	-0.63	49.70	54.00	-4.30	peak



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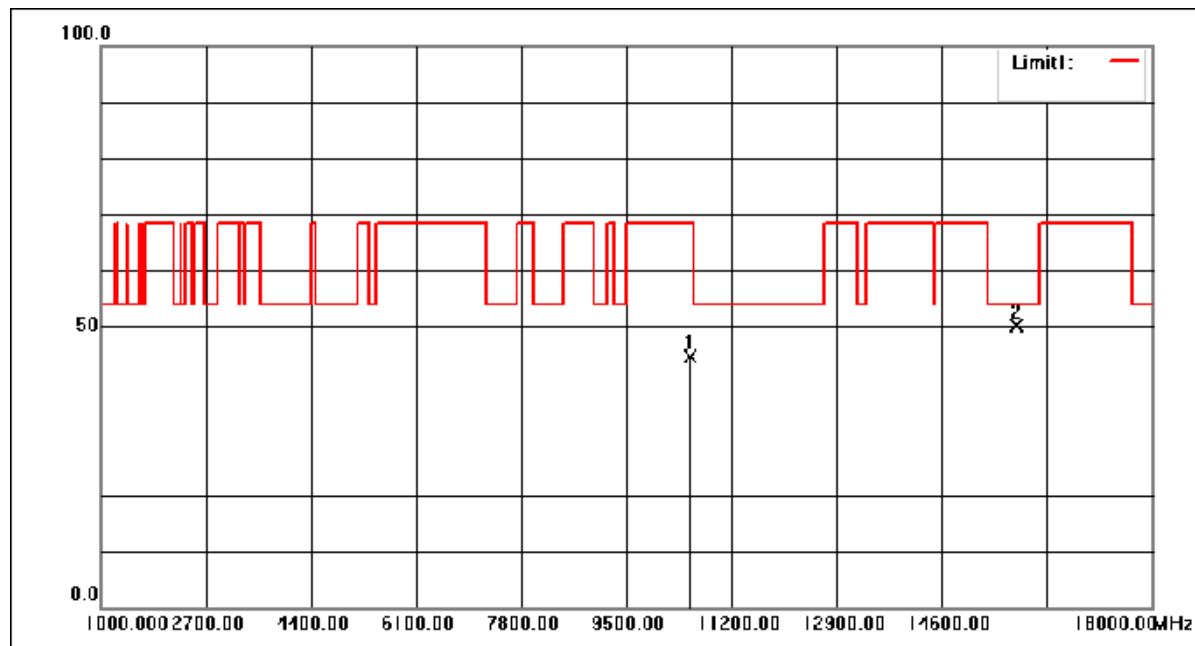
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Mode:f; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10540.000	46.97	-2.28	44.69	68.30	-23.61	peak
2	15810.000	50.58	-0.51	50.07	54.00	-3.93	peak



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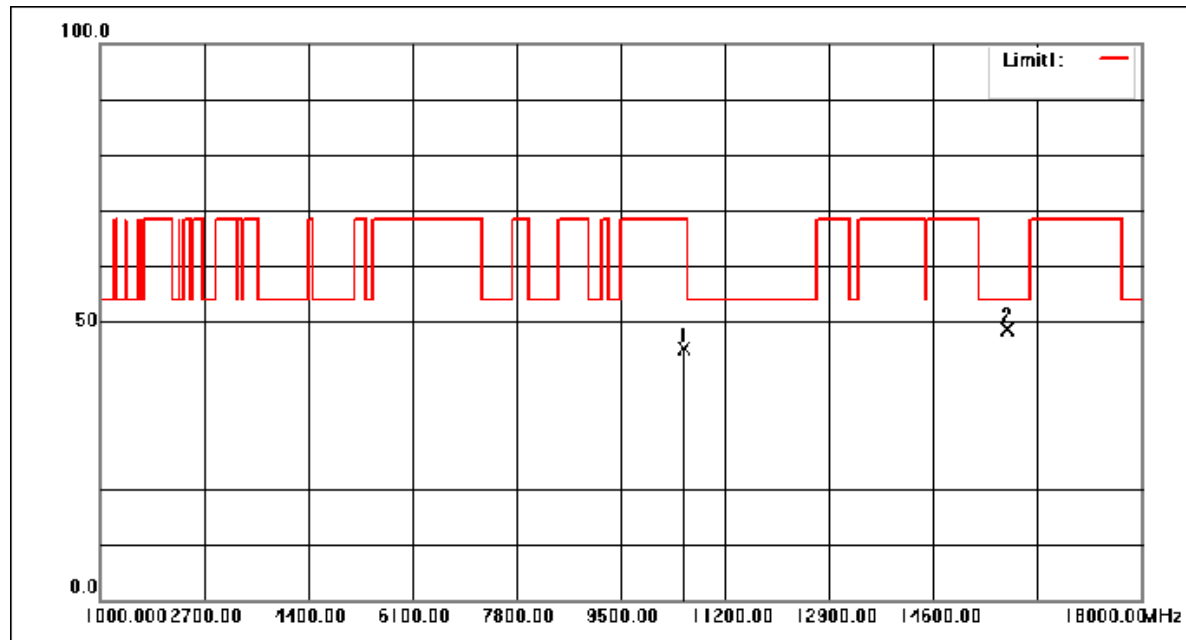
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Mode:f; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10540.000	47.42	-2.28	45.14	68.30	-23.16	peak
2	15810.000	49.22	-0.51	48.71	54.00	-5.29	peak



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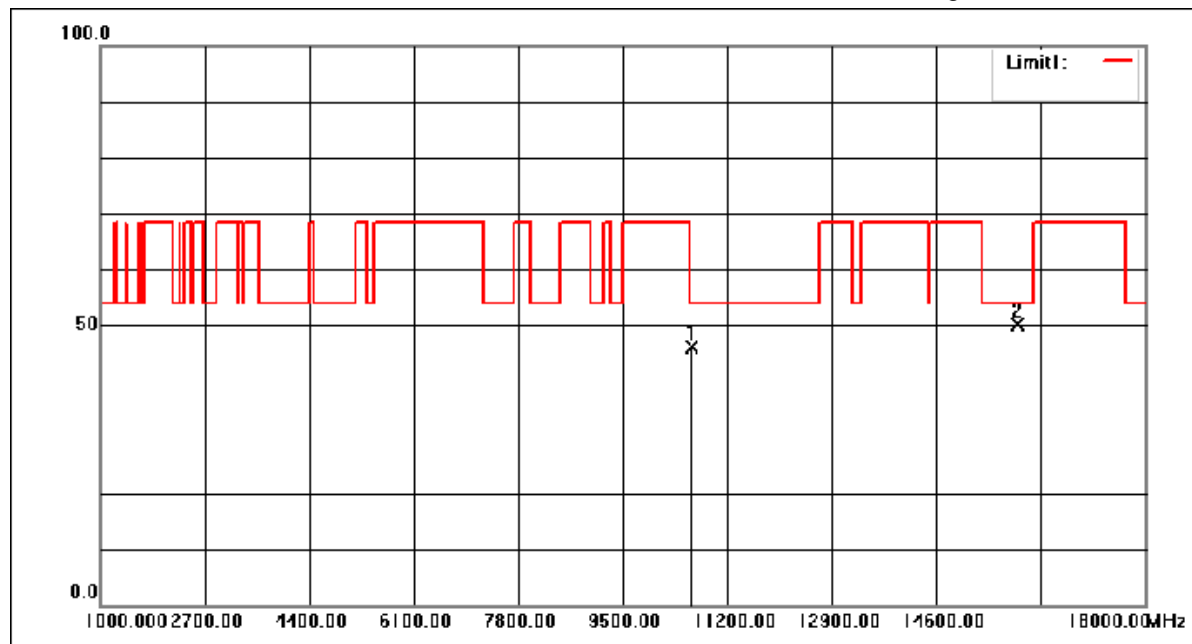
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Mode:f; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10620.000	48.32	-2.07	46.25	54.00	-7.75	peak
2	15930.000	50.70	-0.61	50.09	54.00	-3.91	peak



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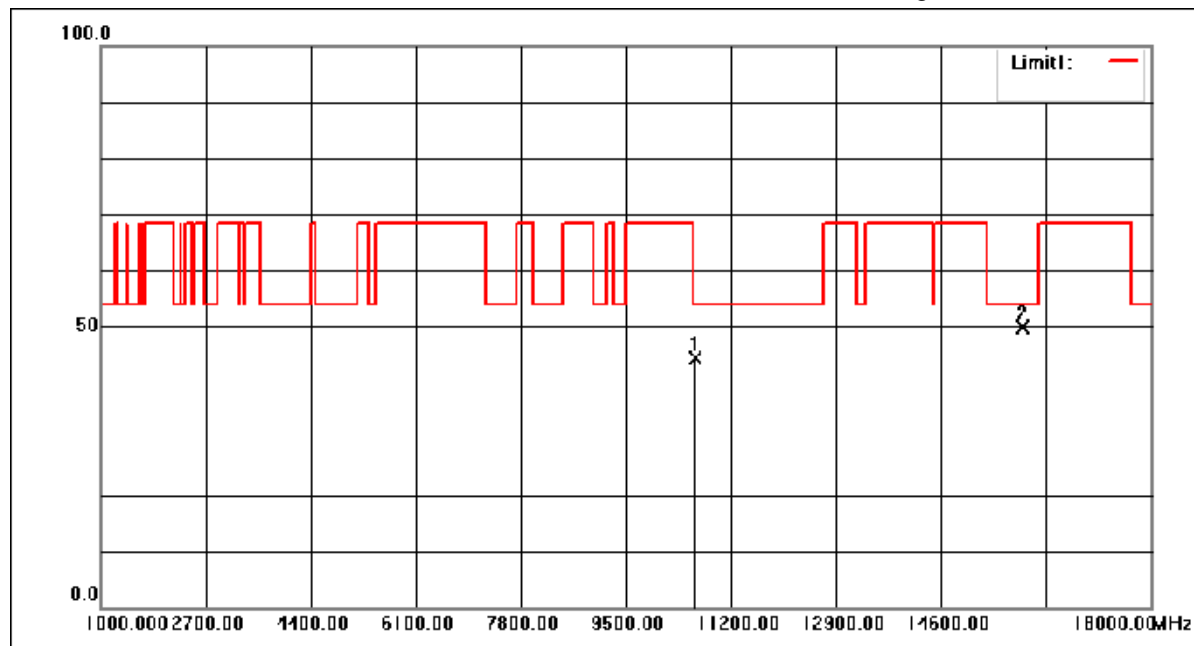
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Mode:f; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10620.000	46.34	-2.07	44.27	54.00	-9.73	peak
2	15930.000	50.52	-0.61	49.91	54.00	-4.09	peak



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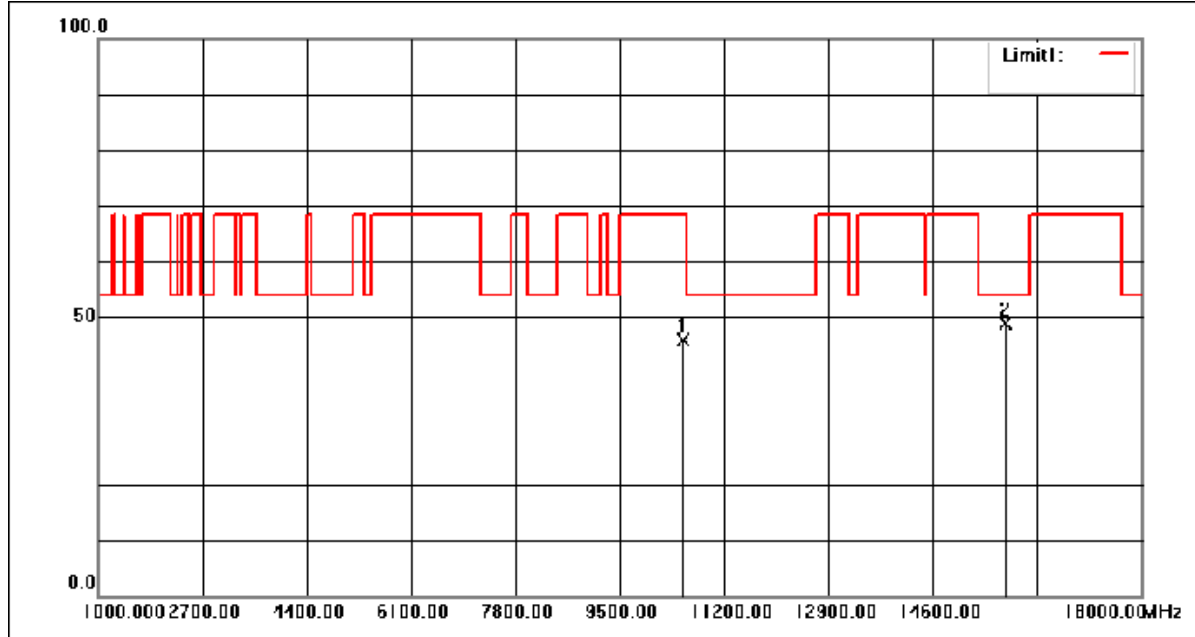
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Mode:f; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10520.000	48.28	-2.33	45.95	68.30	-22.35	peak
2	15780.000	49.25	-0.49	48.76	54.00	-5.24	peak



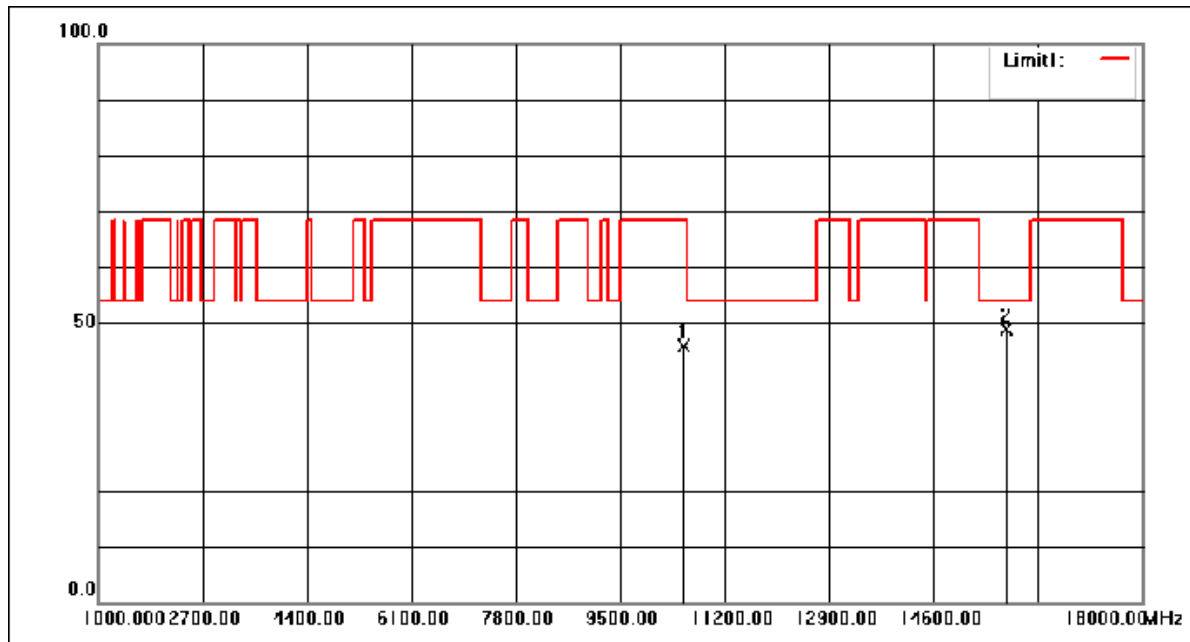
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10520.000	48.32	-2.33	45.99	68.30	-22.31	peak
2	15780.000	49.30	-0.49	48.81	54.00	-5.19	peak



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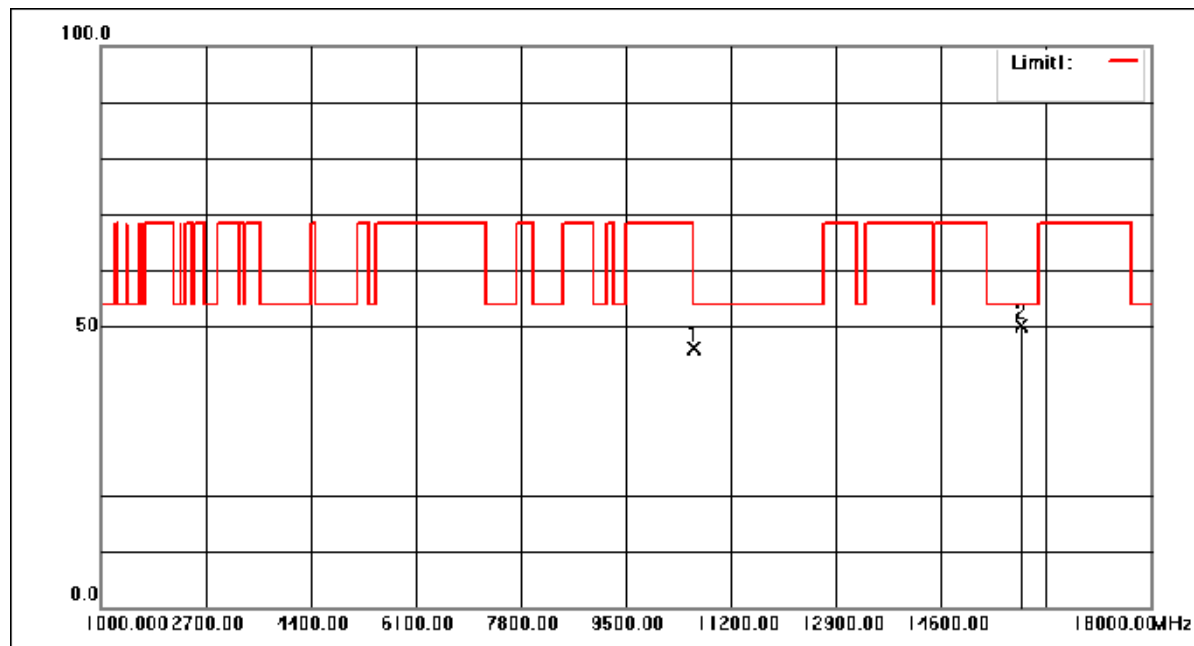
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Mode:f; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10600.000	48.26	-2.12	46.14	54.00	-7.86	peak
2	15900.000	50.81	-0.58	50.23	54.00	-3.77	peak



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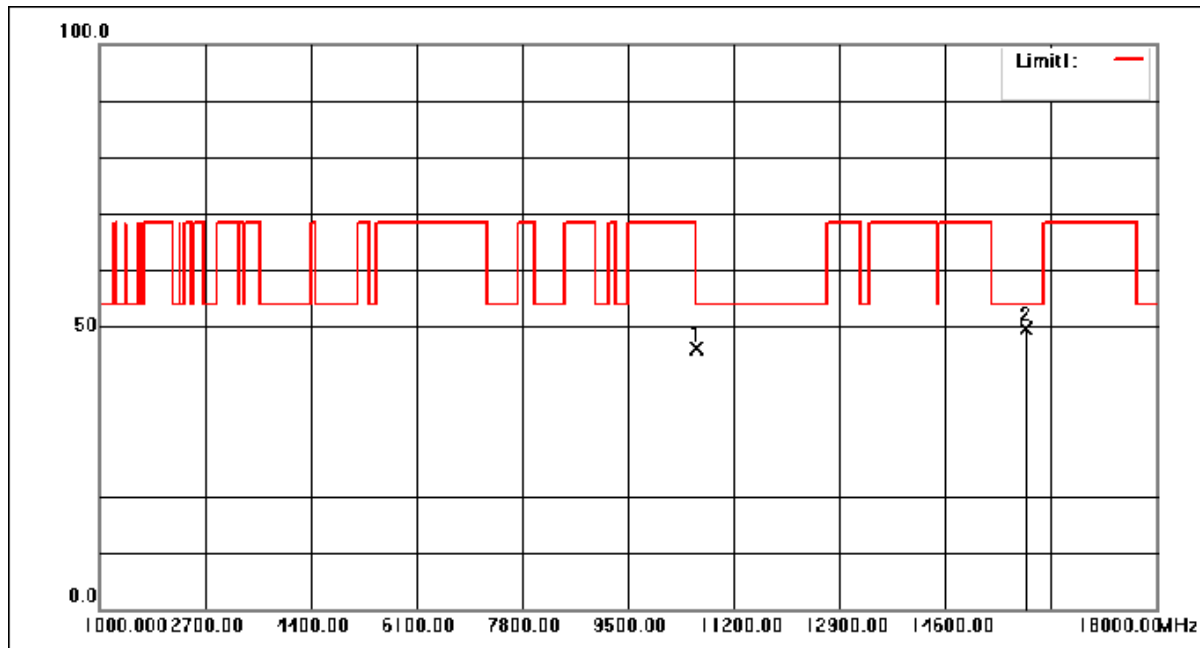
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10600.000	48.27	-2.12	46.15	54.00	-7.85	peak
2	15900.000	50.12	-0.58	49.54	54.00	-4.46	peak



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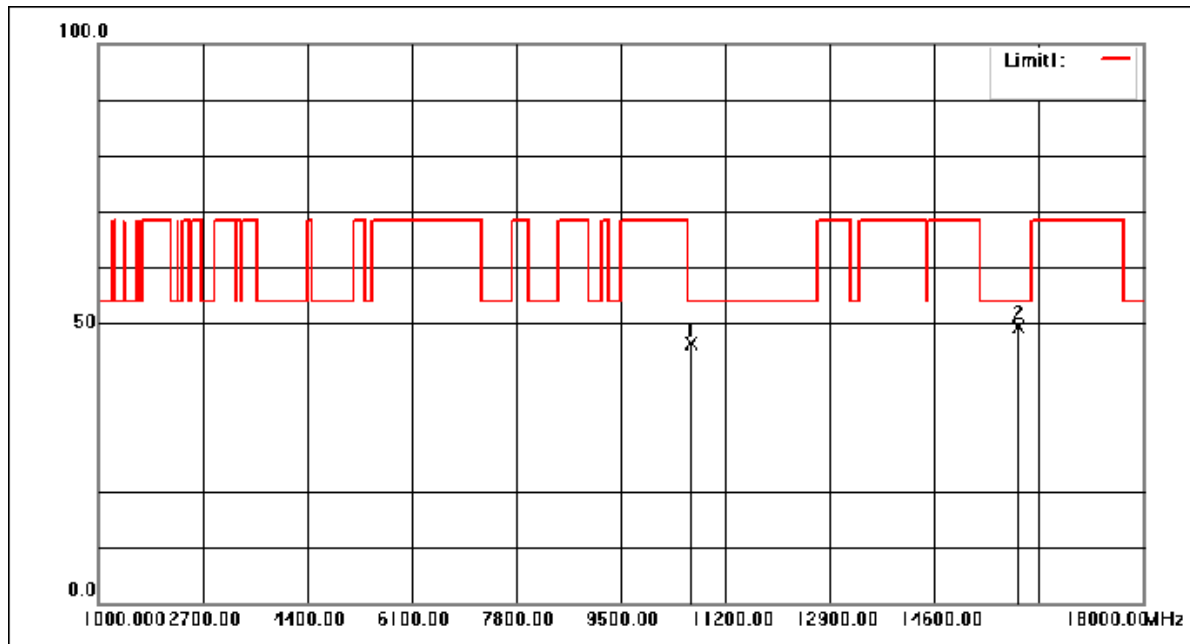
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Mode:f; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10640.000	48.32	-2.01	46.31	54.00	-7.69	peak
2	15960.000	50.13	-0.63	49.50	54.00	-4.50	peak

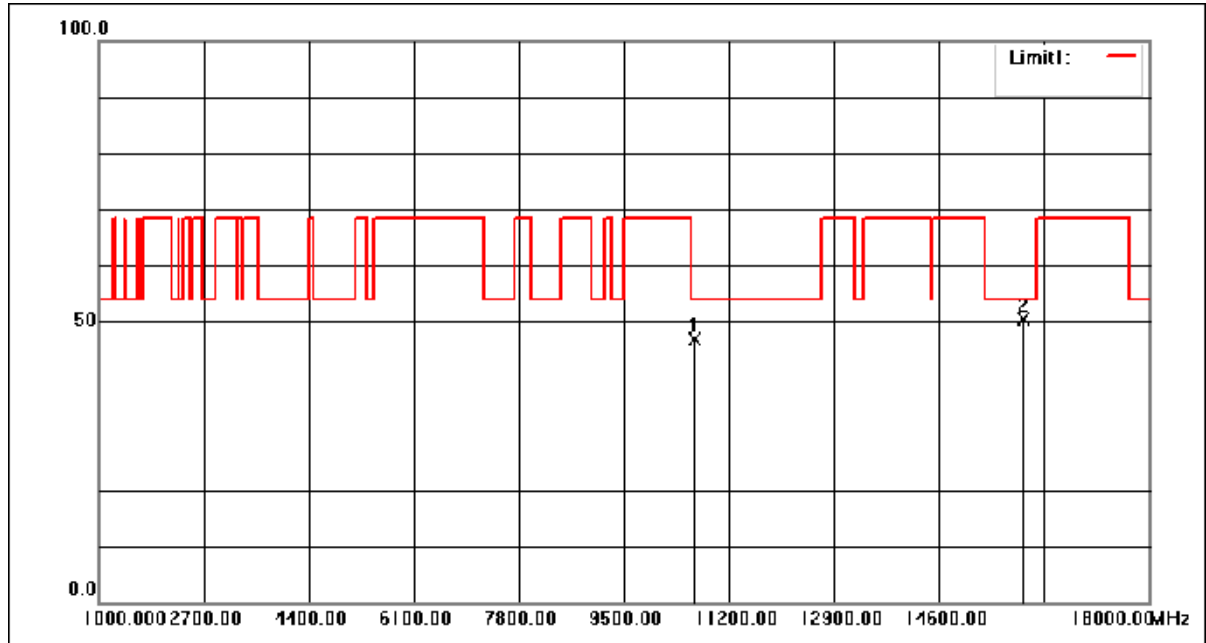
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10640.000	48.77	-2.01	46.76	54.00	-7.24	peak
2	15960.000	51.03	-0.63	50.40	54.00	-3.60	peak



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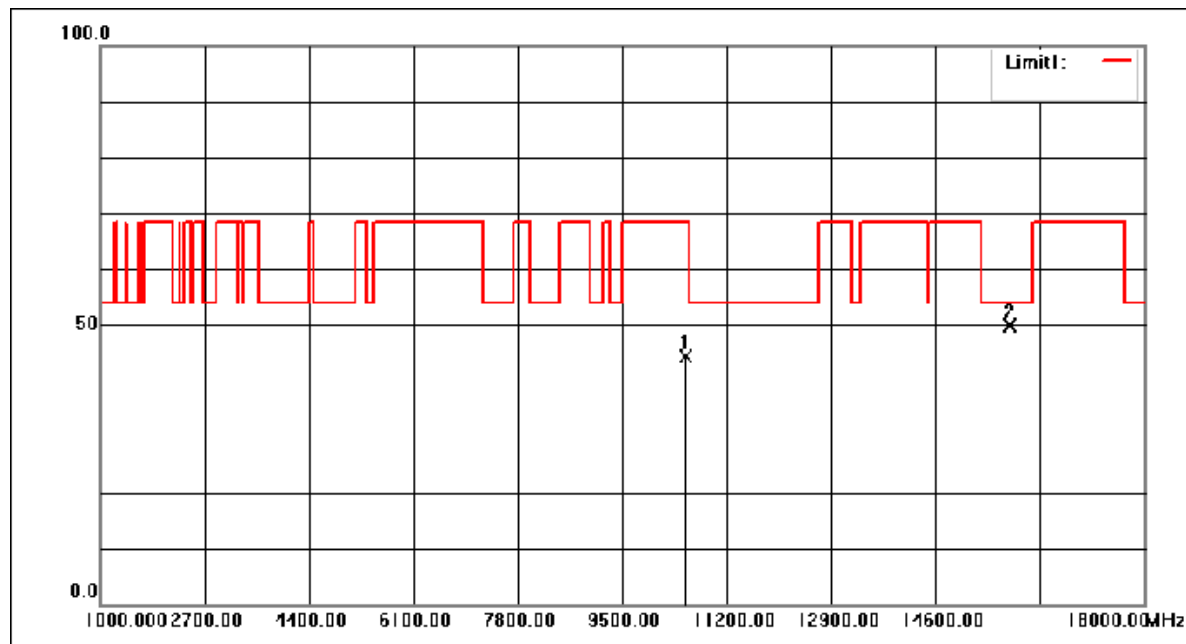
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Mode:f; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10540.000	46.57	-2.28	44.29	68.30	-24.01	peak
2	15810.000	50.41	-0.51	49.90	54.00	-4.10	peak



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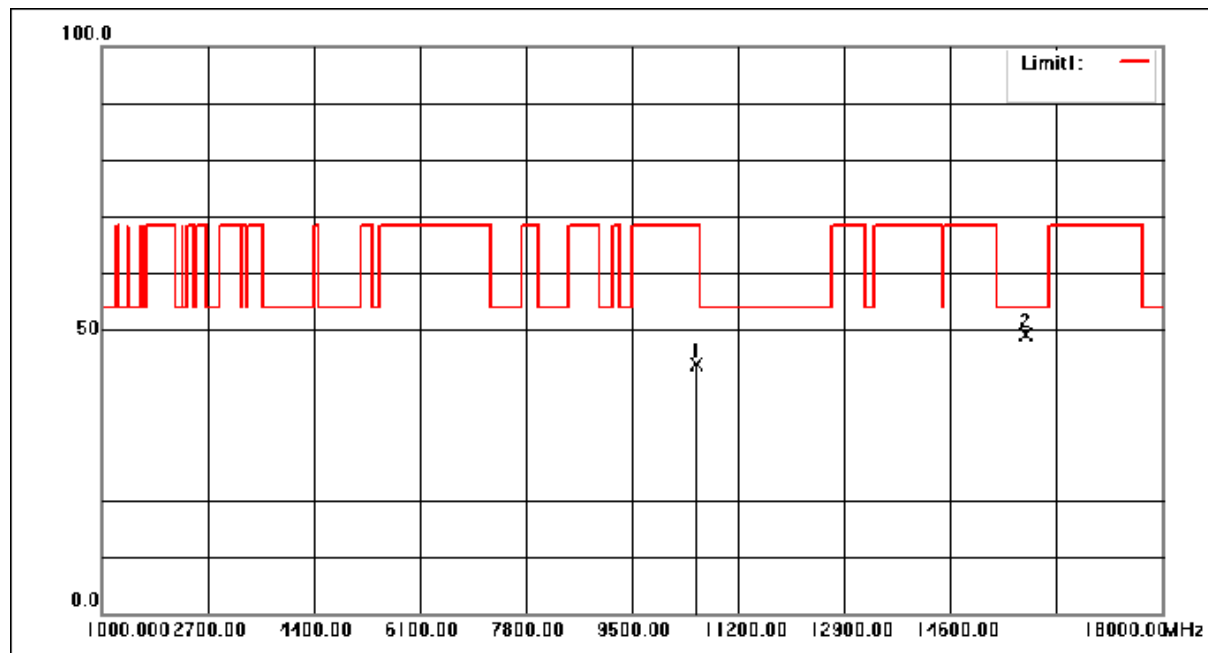
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dB)	Correction factor (dB)	Result (dB)	Limit (dB)	Margin (dB)	Remark
1	10540.000	46.27	-2.28	43.99	68.30	-24.31	peak
2	15810.000	49.75	-0.51	49.24	54.00	-4.76	peak



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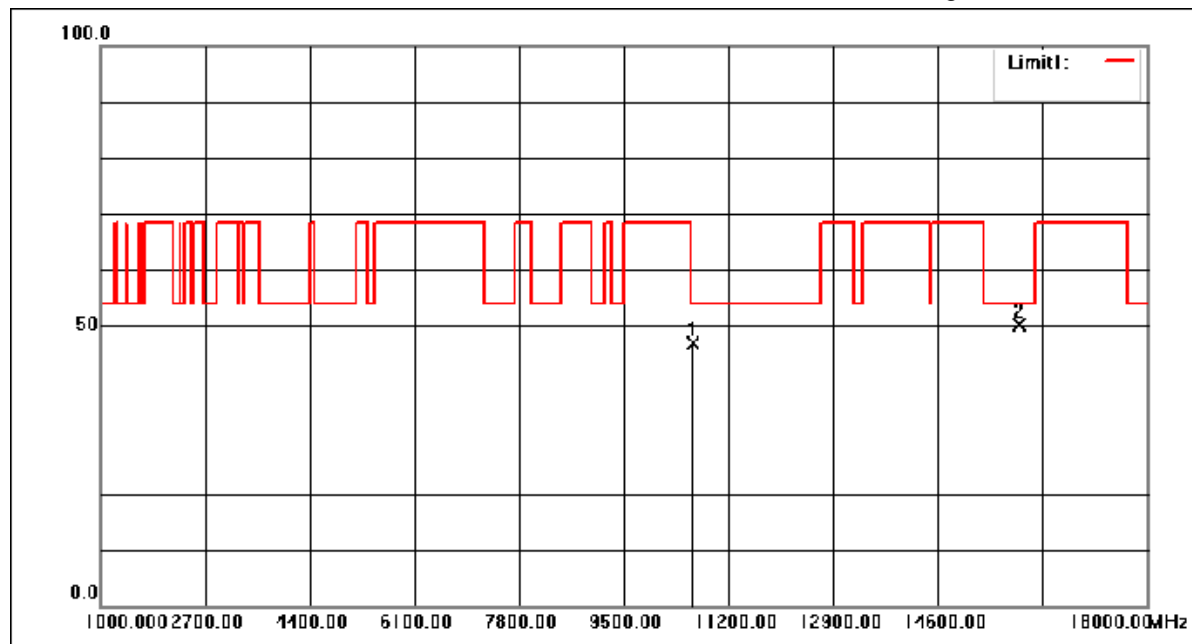
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Mode:f; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10620.000	48.92	-2.07	46.85	54.00	-7.15	peak
2	15930.000	50.79	-0.61	50.18	54.00	-3.82	peak



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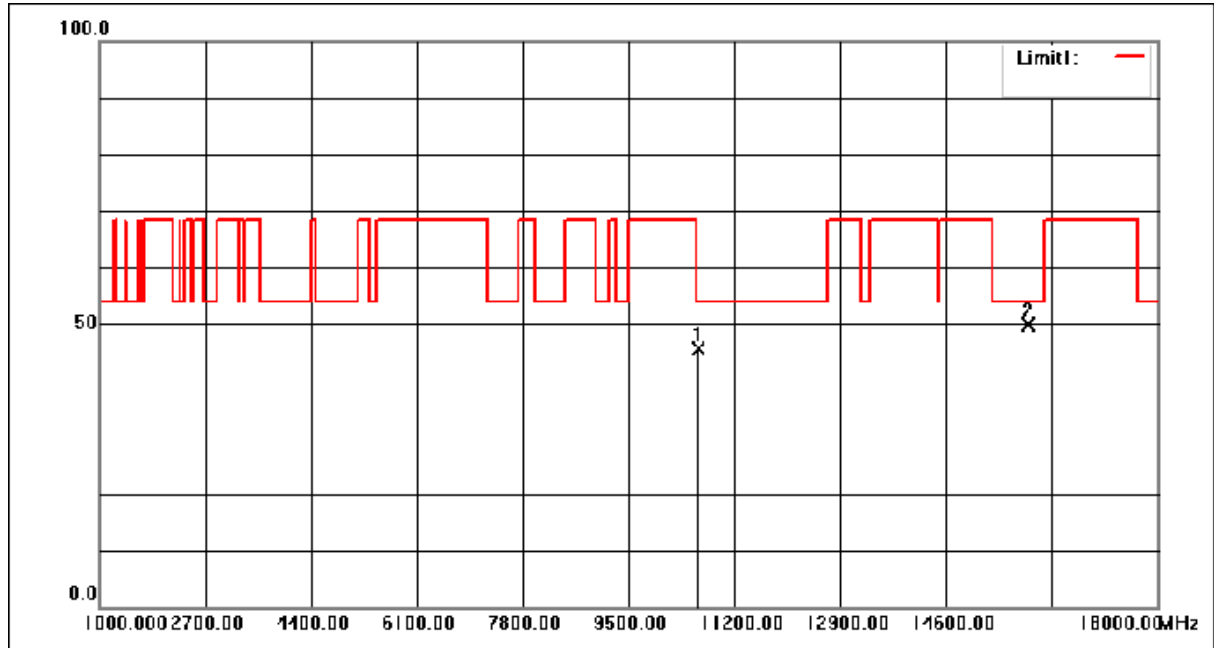
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10620.000	47.65	-2.07	45.58	54.00	-8.42	peak
2	15930.000	50.49	-0.61	49.88	54.00	-4.12	peak



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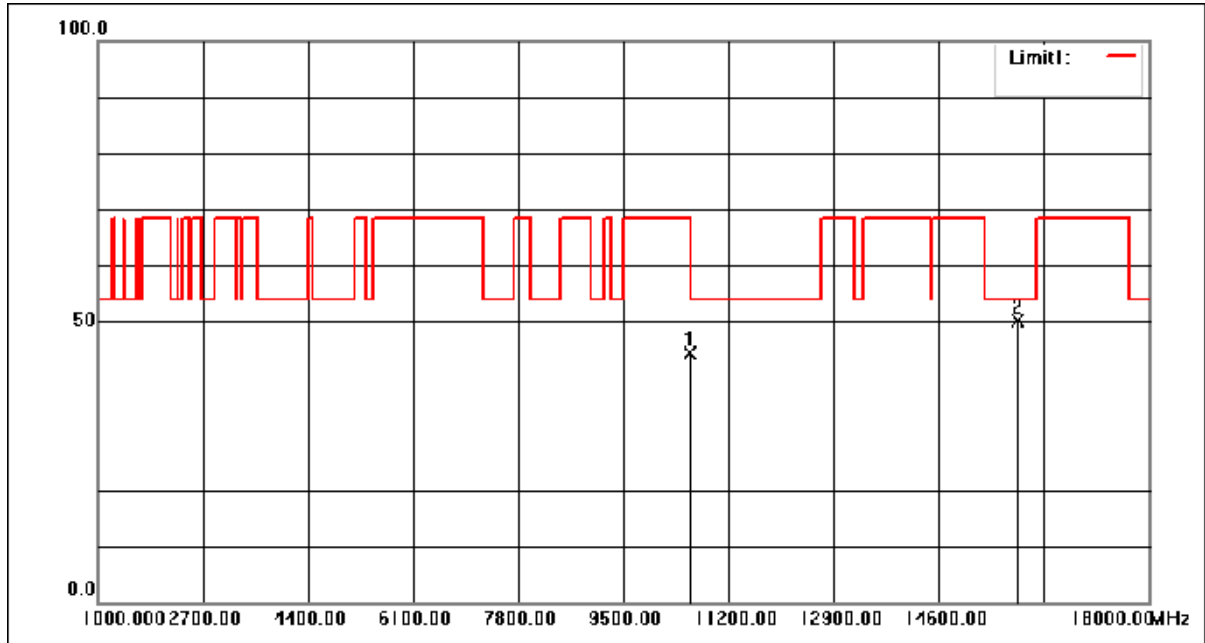
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Mode:f; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10580.000	46.67	-2.17	44.50	68.30	-23.80	peak
2	15870.000	50.67	-0.56	50.11	54.00	-3.89	peak



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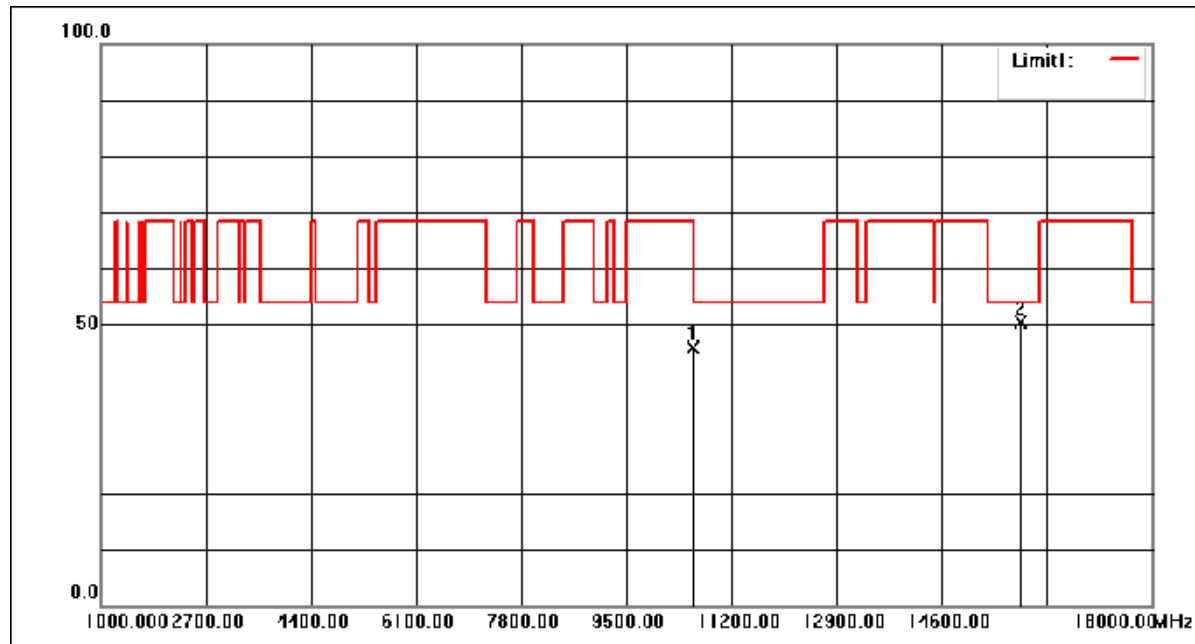
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	10580.000	47.95	-2.17	45.78	68.30	-22.52	peak
2	15870.000	50.88	-0.56	50.32	54.00	-3.68	peak



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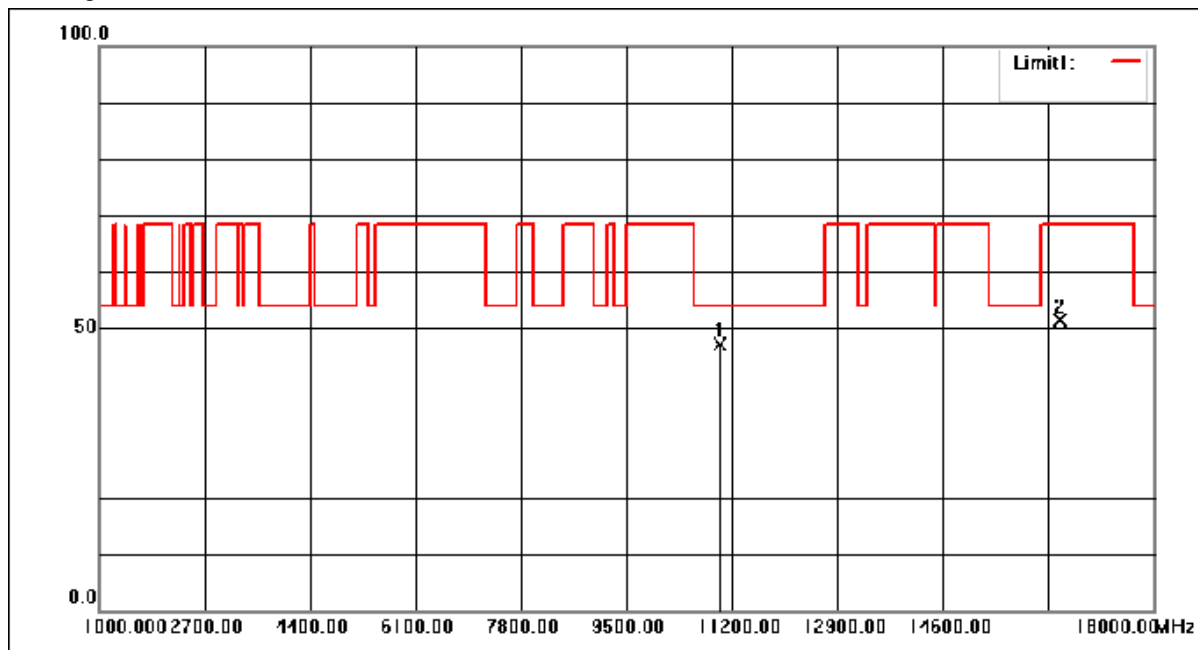
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Mode:g; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11000.000	48.17	-1.07	47.10	54.00	-6.90	peak
2	16500.000	51.04	0.28	51.32	68.30	-16.98	peak



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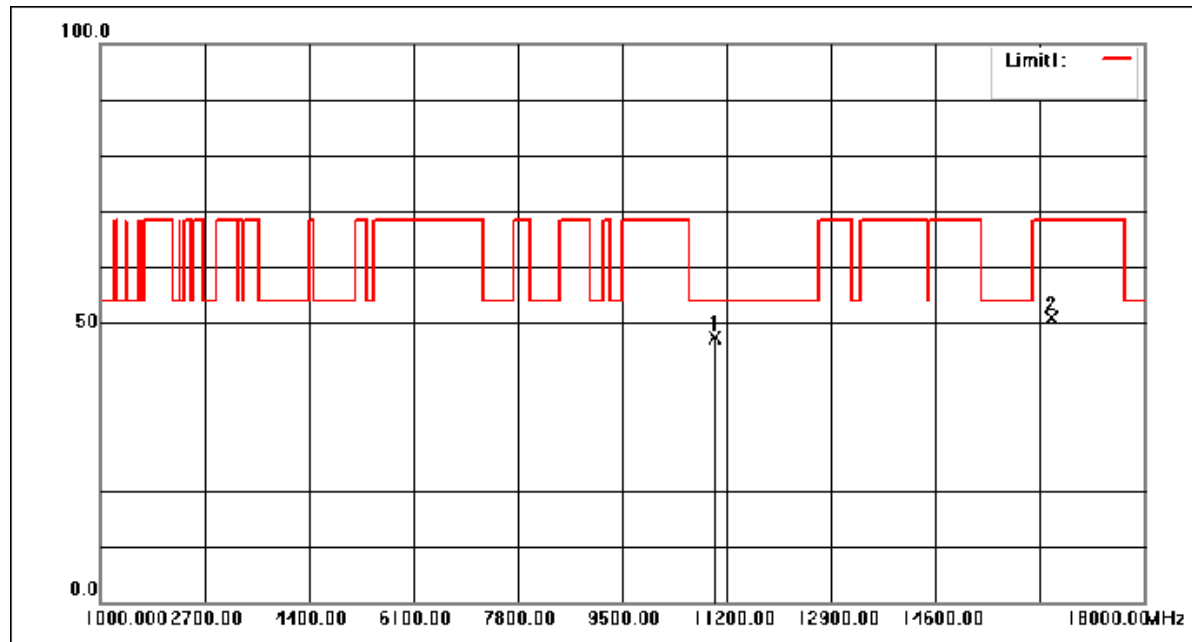
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Mode:g; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11000.000	48.57	-1.07	47.50	54.00	-6.50	peak
2	16500.000	50.49	0.28	50.77	68.30	-17.53	peak



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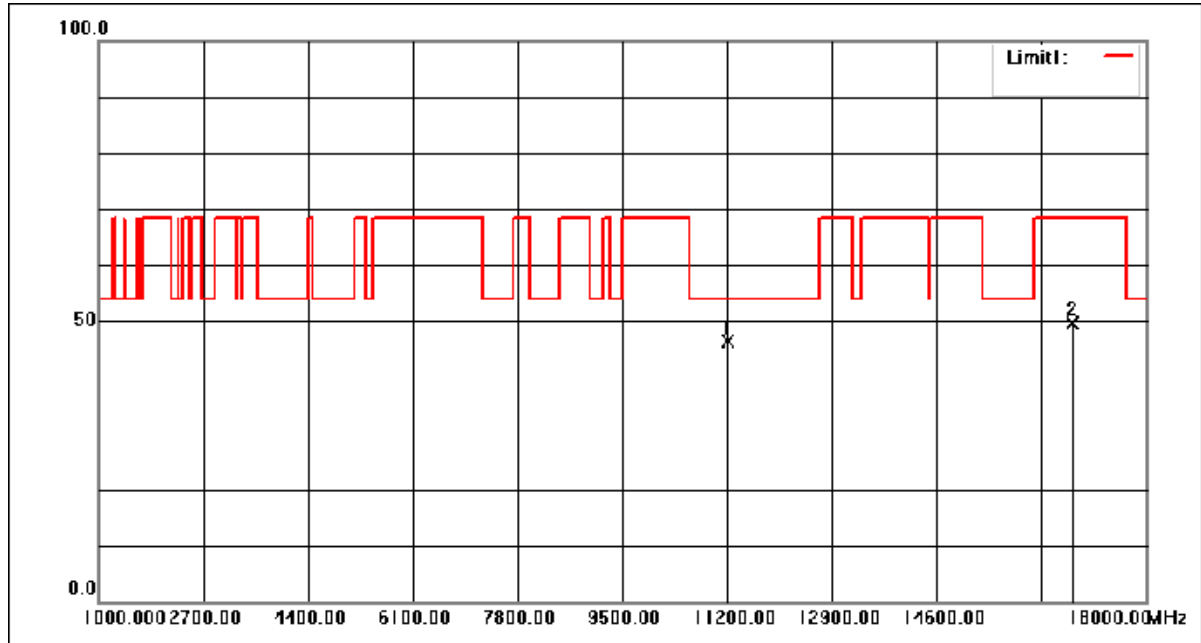
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Mode:g; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11200.000	47.91	-1.55	46.36	54.00	-7.64	peak
2	16800.000	49.52	0.11	49.63	68.30	-18.67	peak



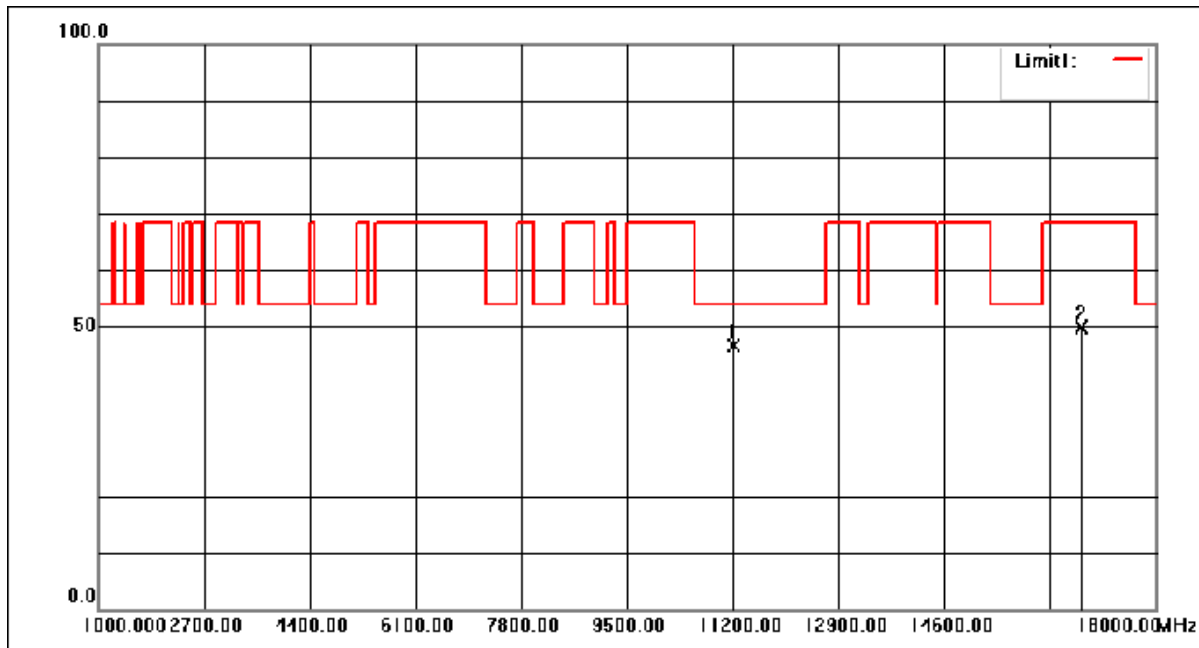
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Mode:g; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11200.000	48.16	-1.55	46.61	54.00	-7.39	peak
2	16800.000	49.68	0.11	49.79	68.30	-18.51	peak



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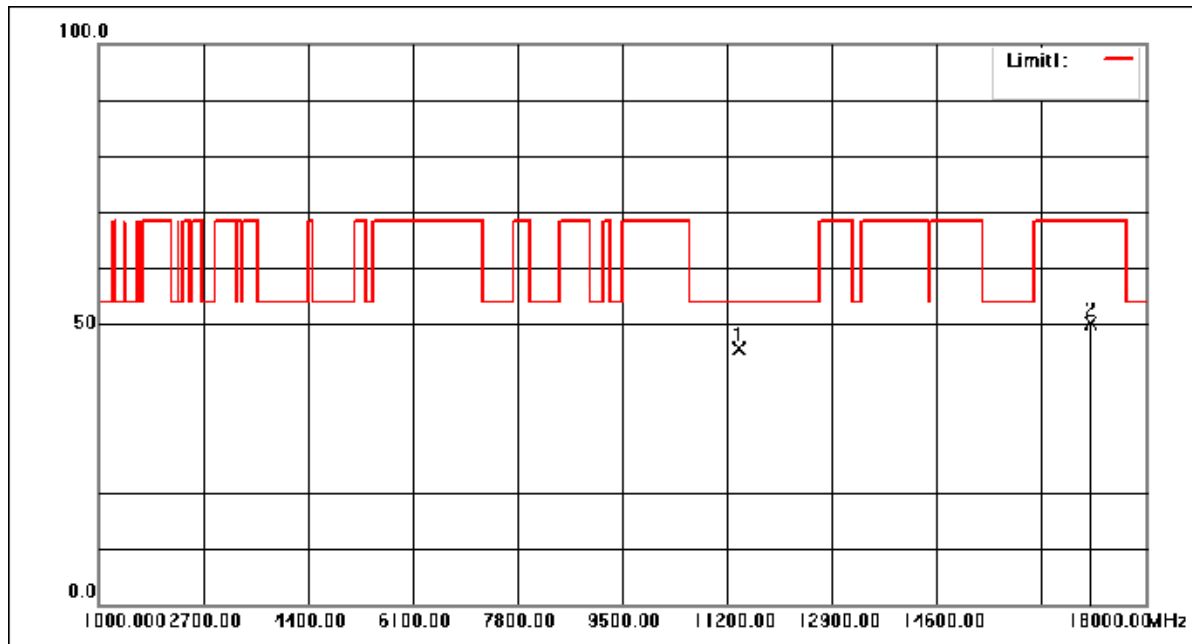
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Mode:g; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11400.000	47.59	-2.02	45.57	54.00	-8.43	peak
2	17100.000	50.16	-0.08	50.08	68.30	-18.22	peak



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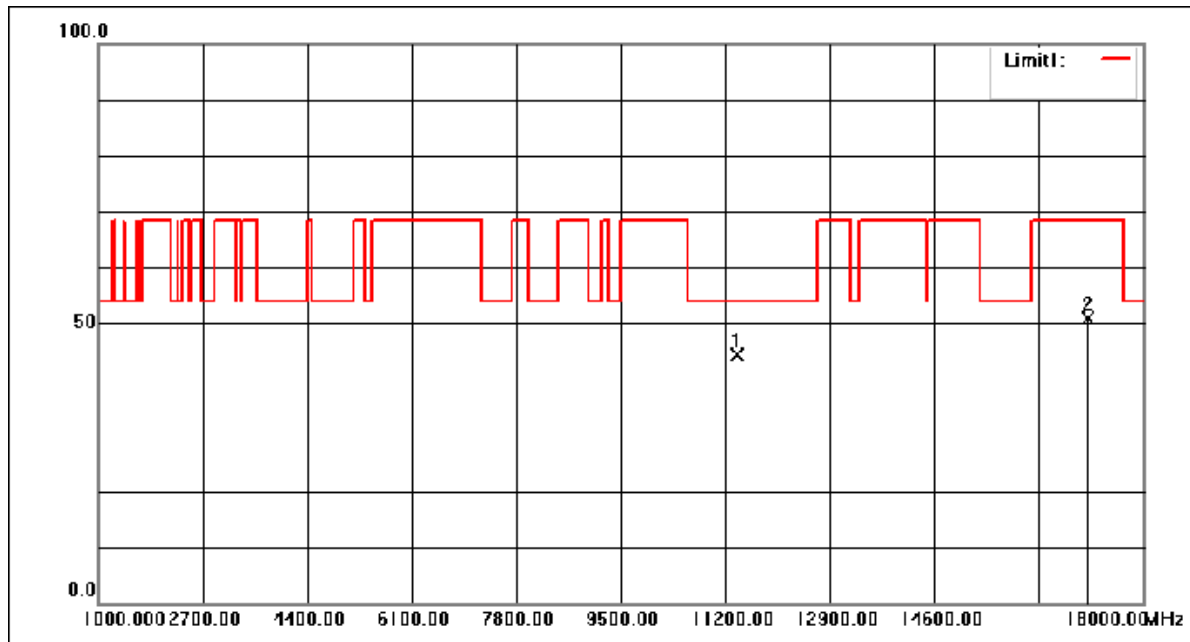
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Mode:g; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11400.000	46.38	-2.02	44.36	54.00	-9.64	peak
2	17100.000	50.84	-0.08	50.76	68.30	-17.54	peak



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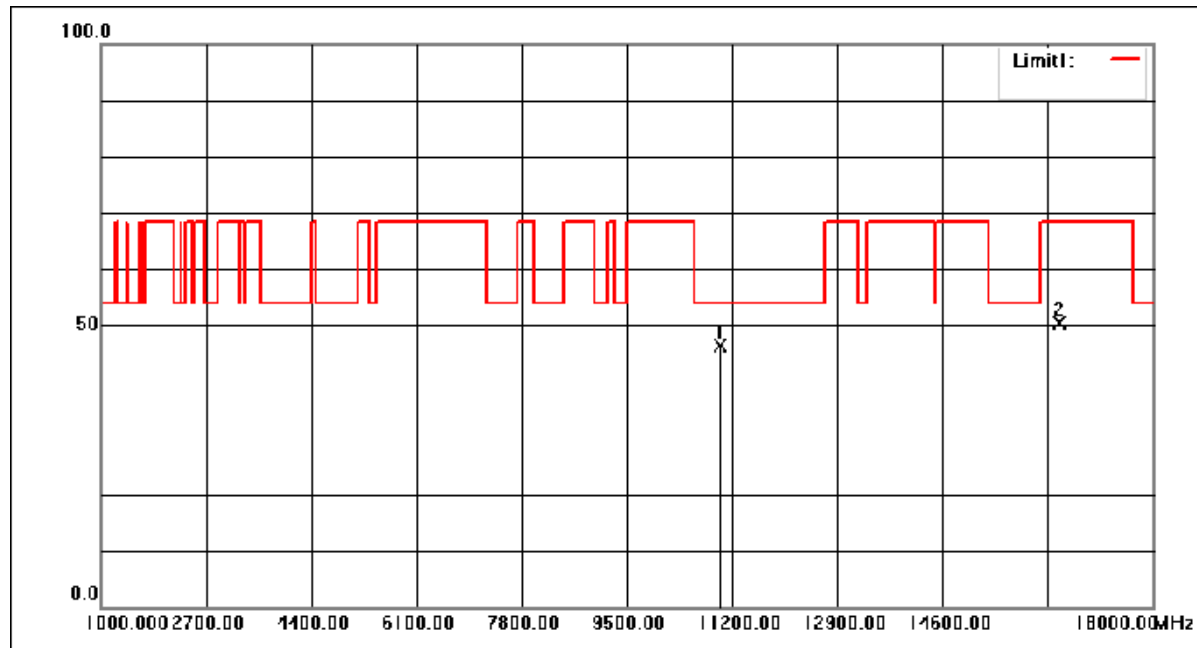
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Mode:g; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11000.000	47.38	-1.07	46.31	54.00	-7.69	peak
2	16500.000	50.13	0.28	50.41	68.30	-17.89	peak



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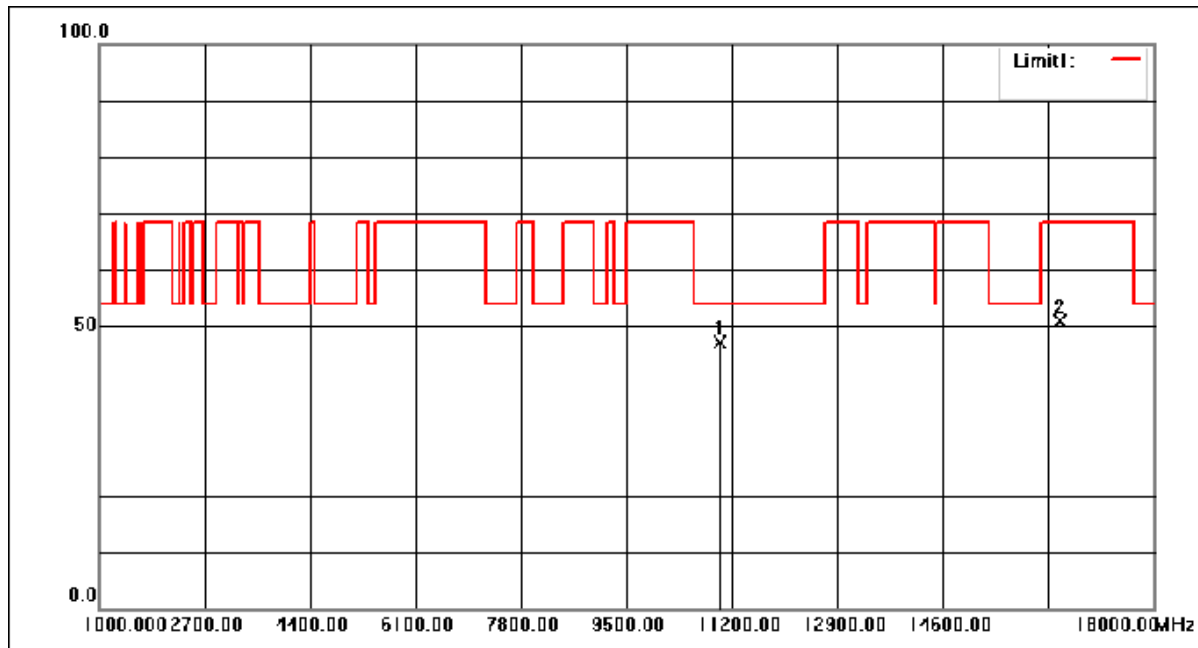
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dB)	Correction factor (dB)	Result (dB)	Limit (dB)	Margin (dB)	Remark
1	11000.000	48.27	-1.07	47.20	54.00	-6.80	peak
2	16500.000	50.51	0.28	50.79	68.30	-17.51	peak



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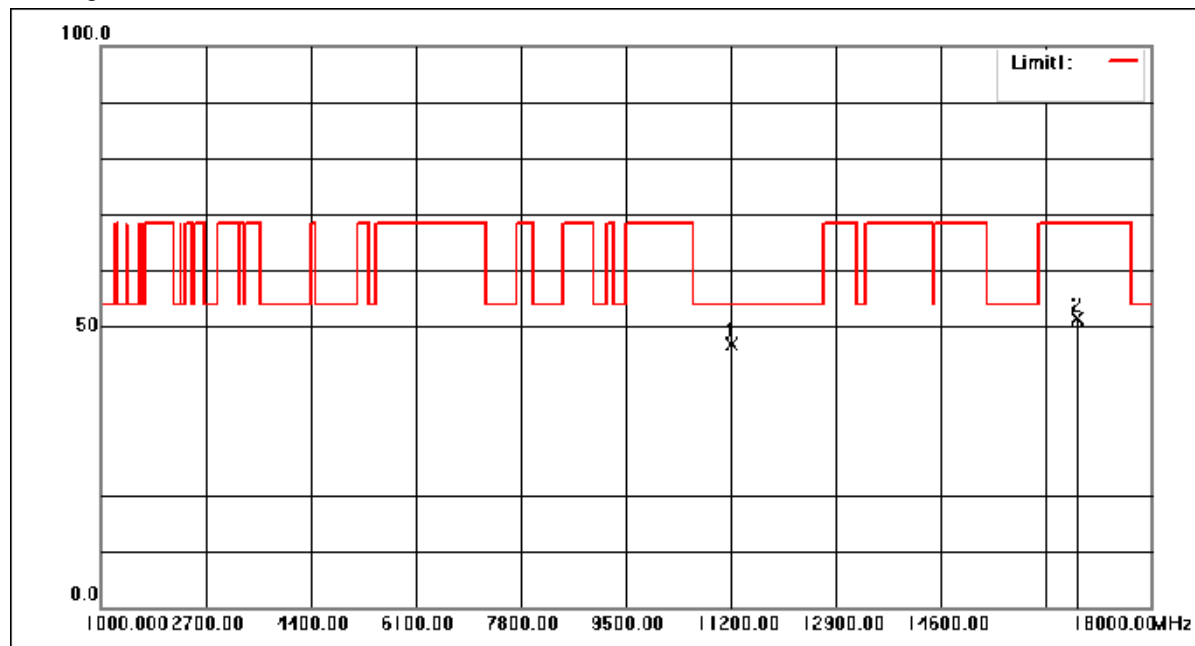
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Mode:g; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11200.000	48.42	-1.55	46.87	54.00	-7.13	peak
2	16800.000	51.27	0.11	51.38	68.30	-16.92	peak



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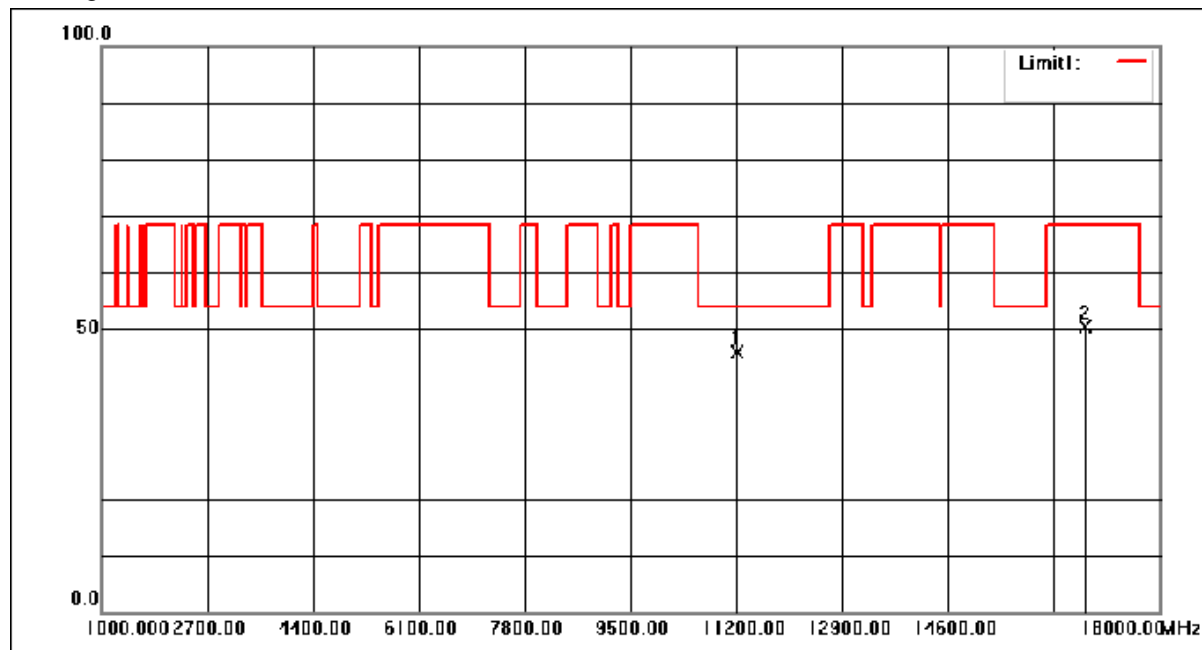
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11200.000	47.37	-1.55	45.82	54.00	-8.18	peak
2	16800.000	50.31	0.11	50.42	68.30	-17.88	peak



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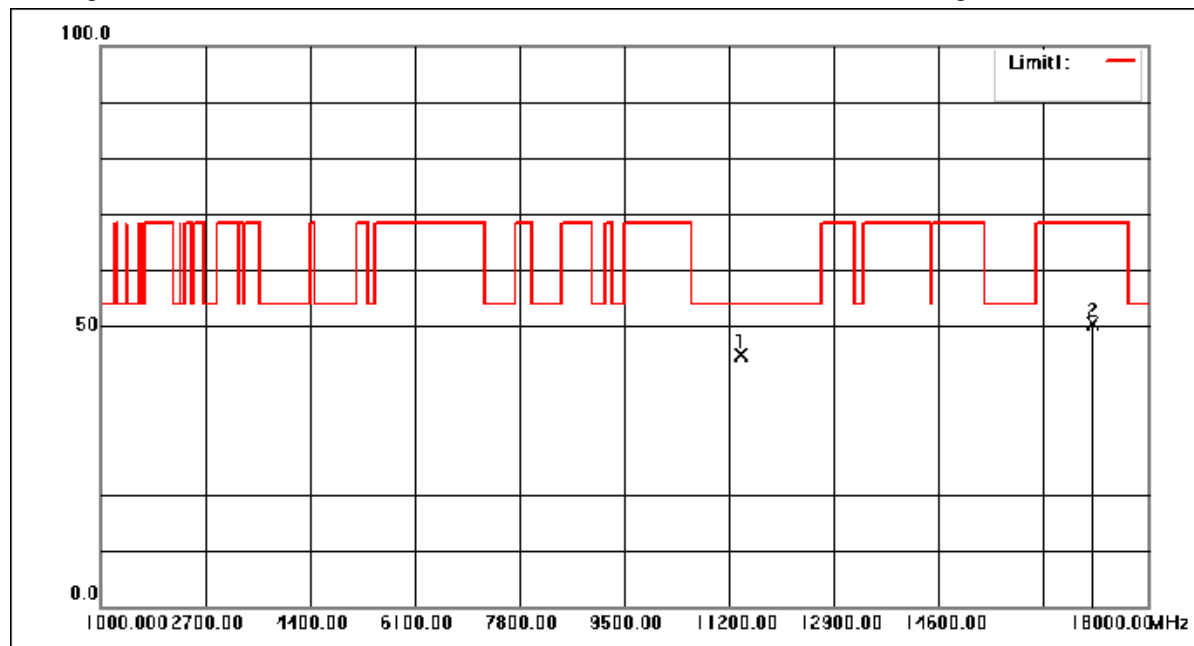
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Mode:g; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11400.000	46.88	-2.02	44.86	54.00	-9.14	peak
2	17100.000	50.34	-0.08	50.26	68.30	-18.04	peak



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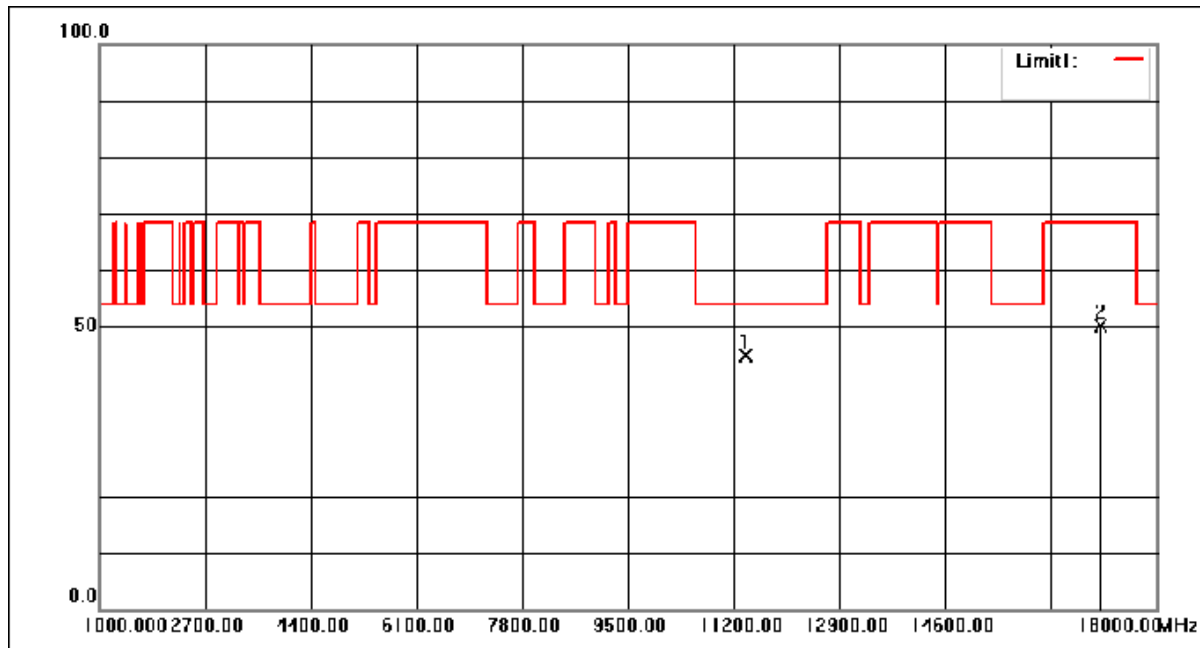
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ( )	Correction factor( )	Result ( )	Limit ( )	Margin (dB)	Remark
1	11400.000	46.97	-2.02	44.95	54.00	-9.05	peak
2	17100.000	50.09	-0.08	50.01	68.30	-18.29	peak



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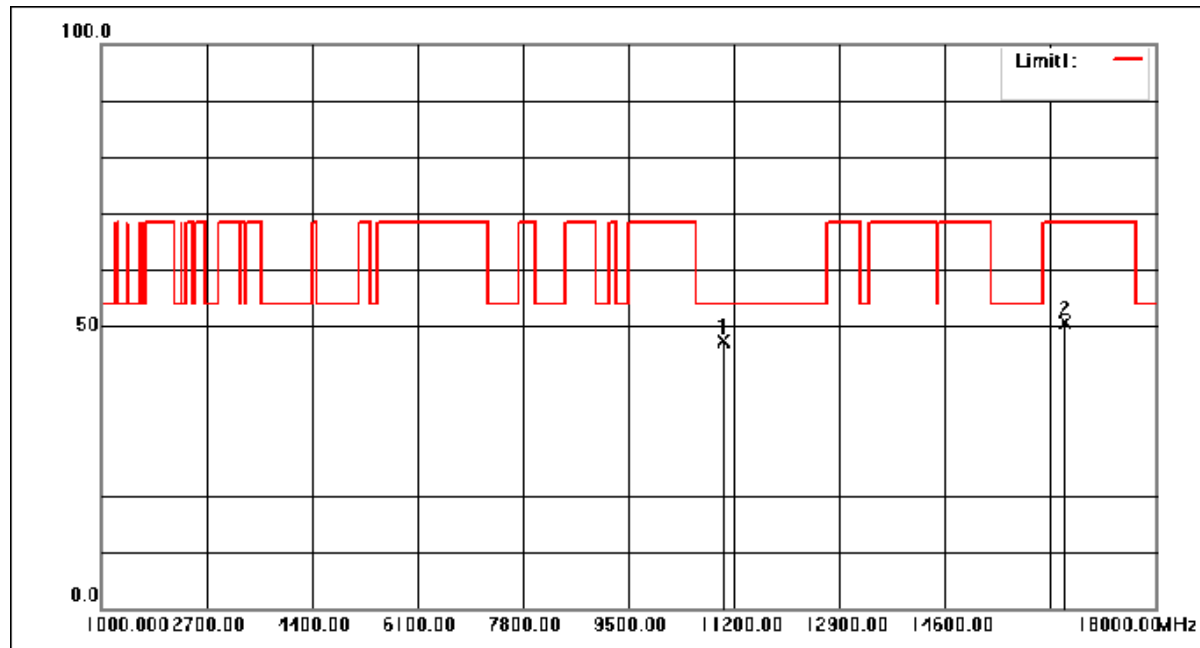
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Mode:g; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11020.000	48.41	-1.12	47.29	54.00	-6.71	peak
2	16530.000	50.49	0.26	50.75	68.30	-17.55	peak



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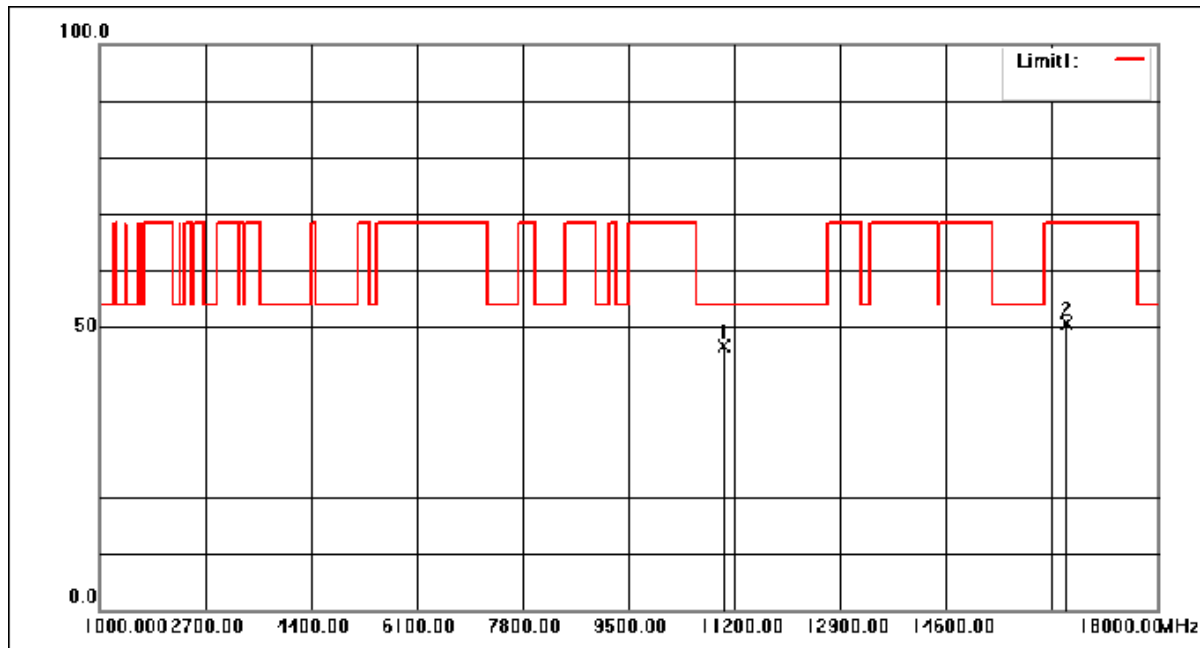
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11020.000	47.74	-1.12	46.62	54.00	-7.38	peak
2	16530.000	50.49	0.26	50.75	68.30	-17.55	peak



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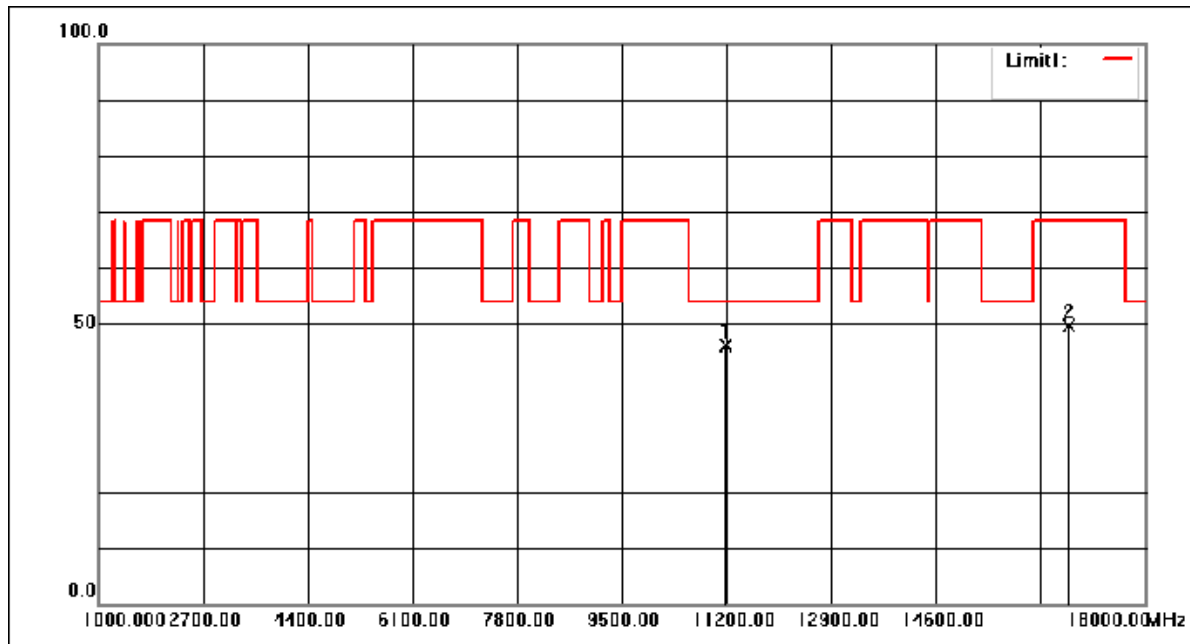
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Mode:g; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11180.000	47.72	-1.50	46.22	54.00	-7.78	peak
2	16770.000	49.61	0.13	49.74	68.30	-18.56	peak



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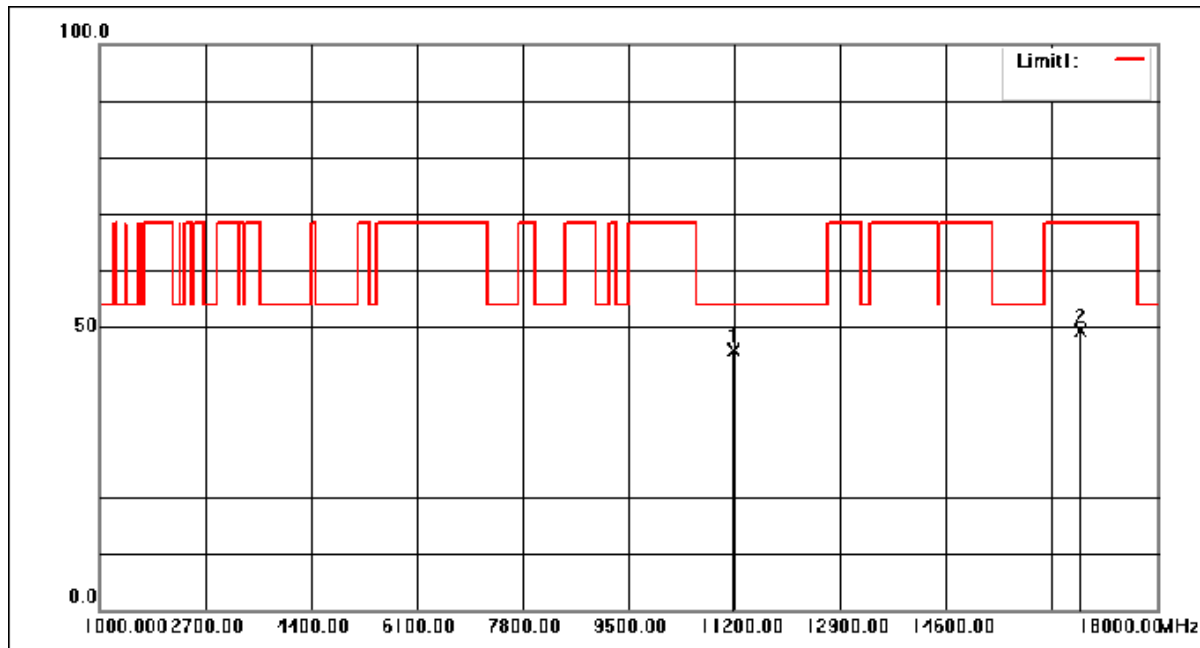
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11180.000	47.29	-1.50	45.79	54.00	-8.21	peak
2	16770.000	49.28	0.13	49.41	68.30	-18.89	peak



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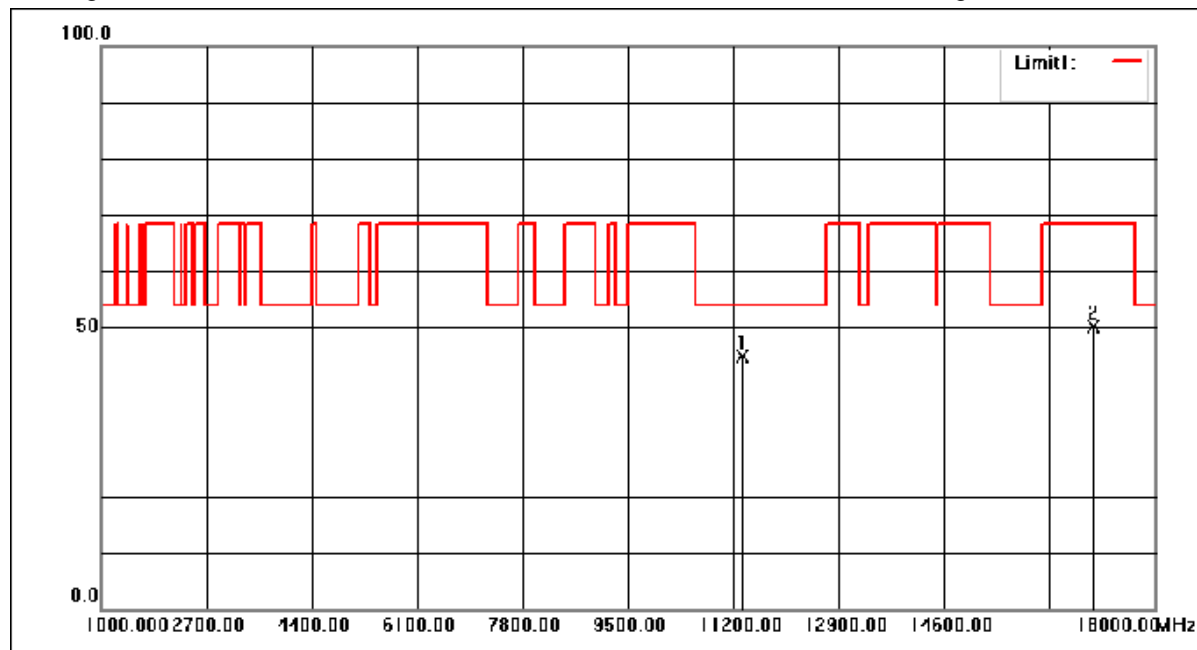
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Mode:g; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11340.000	46.85	-1.88	44.97	54.00	-9.03	peak
2	17010.000	50.14	-0.01	50.13	68.30	-18.17	peak



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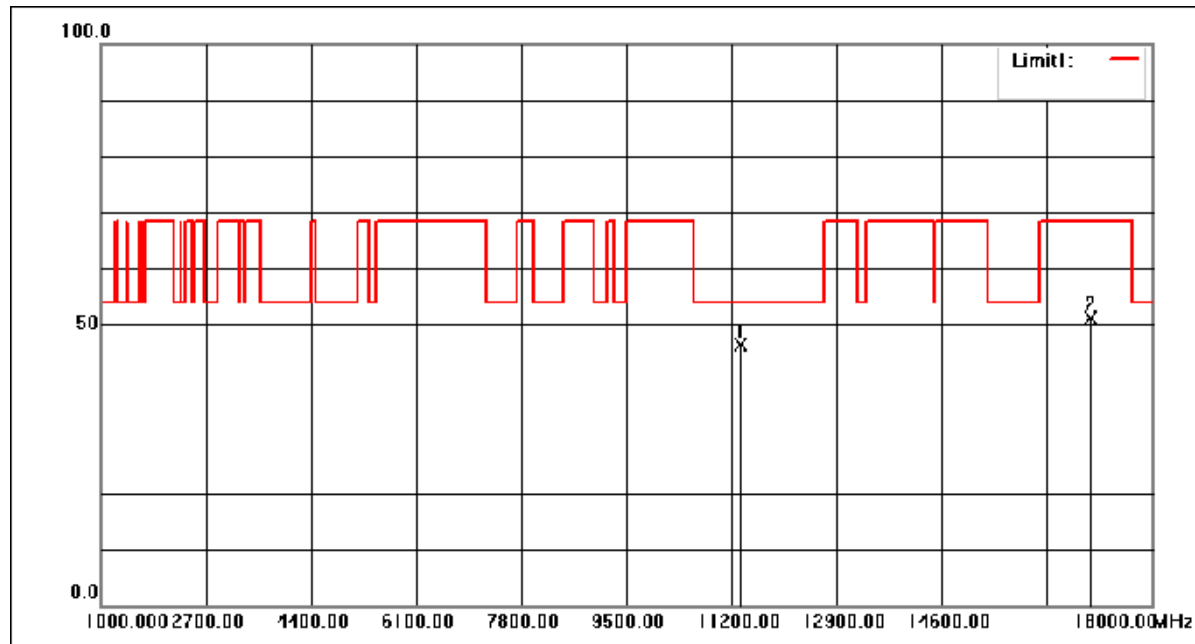
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11340.000	48.25	-1.88	46.37	54.00	-7.63	peak
2	17010.000	51.04	-0.01	51.03	68.30	-17.27	peak



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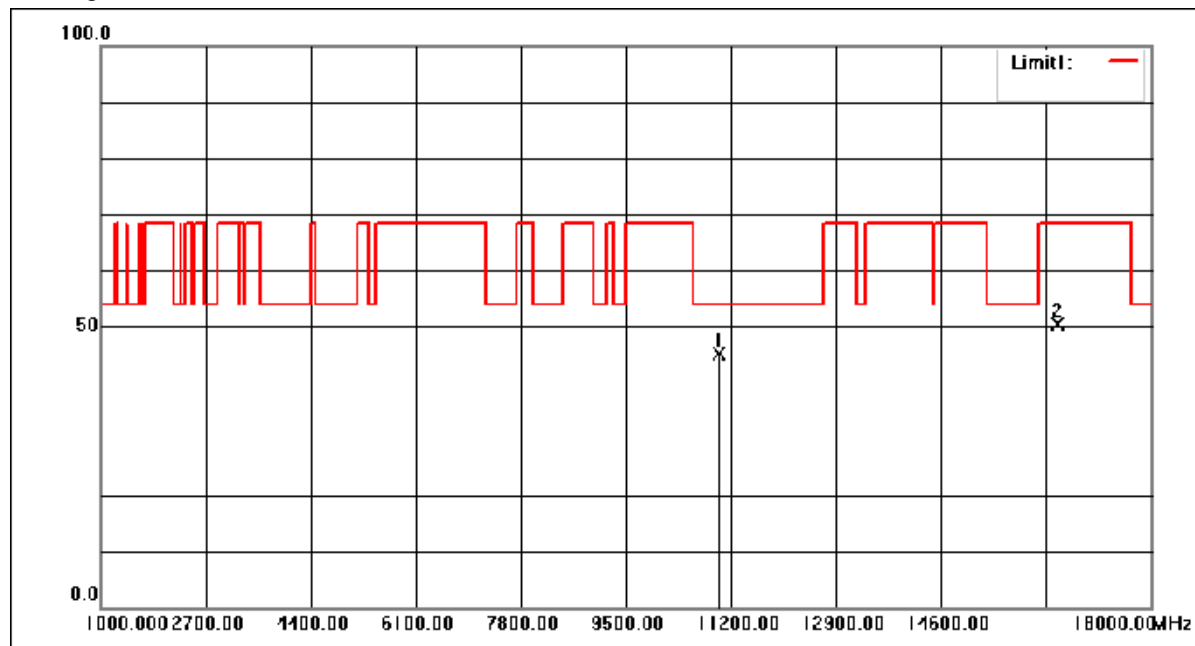
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11000.000	46.25	-1.07	45.18	54.00	-8.82	peak
2	16500.000	50.18	0.28	50.46	68.30	-17.84	peak



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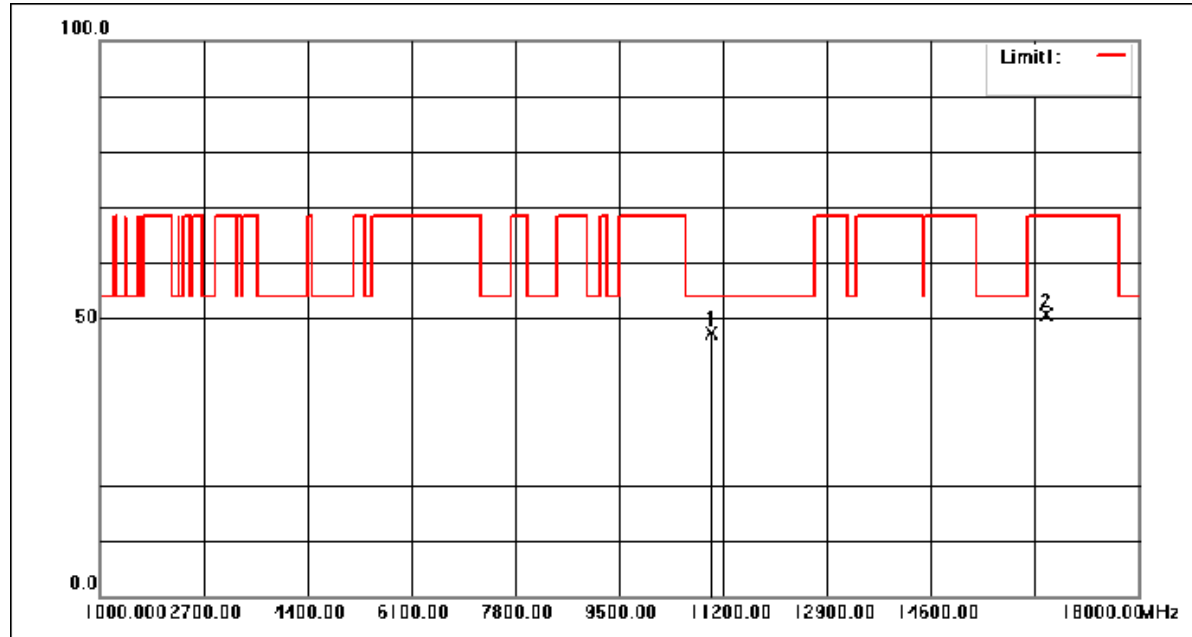
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	11000.000	48.42	-1.07	47.35	54.00	-6.65	peak
2	16500.000	50.46	0.28	50.74	68.30	-17.56	peak



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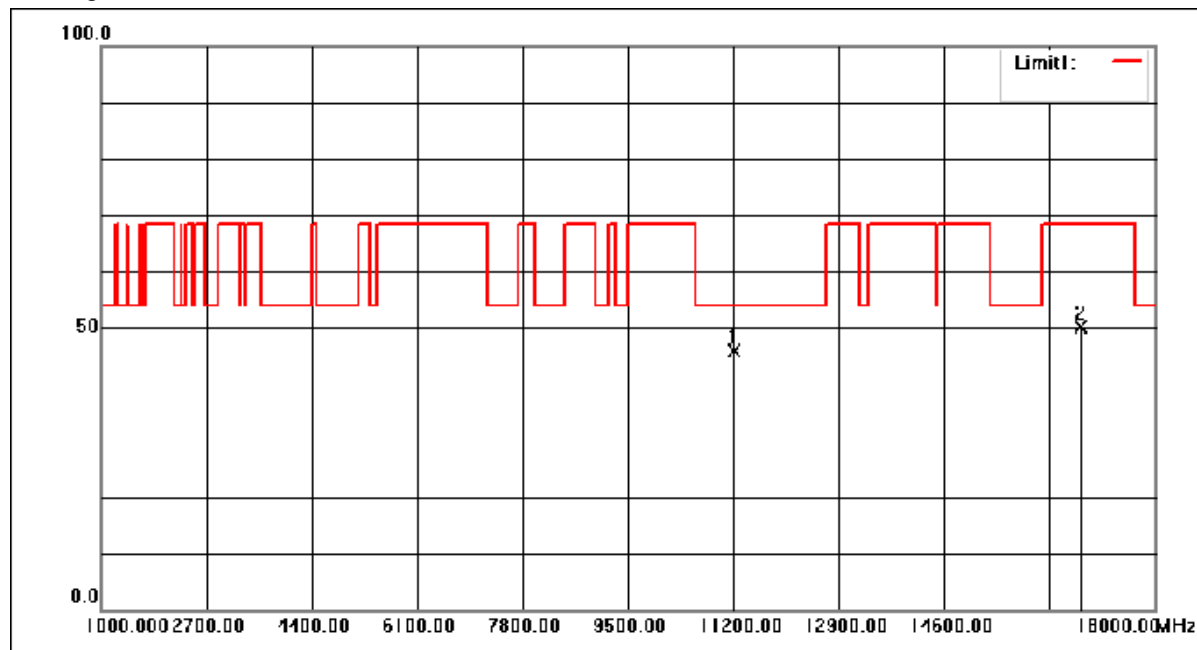
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11200.000	47.39	-1.55	45.84	54.00	-8.16	peak
2	16800.000	49.92	0.11	50.03	68.30	-18.27	peak



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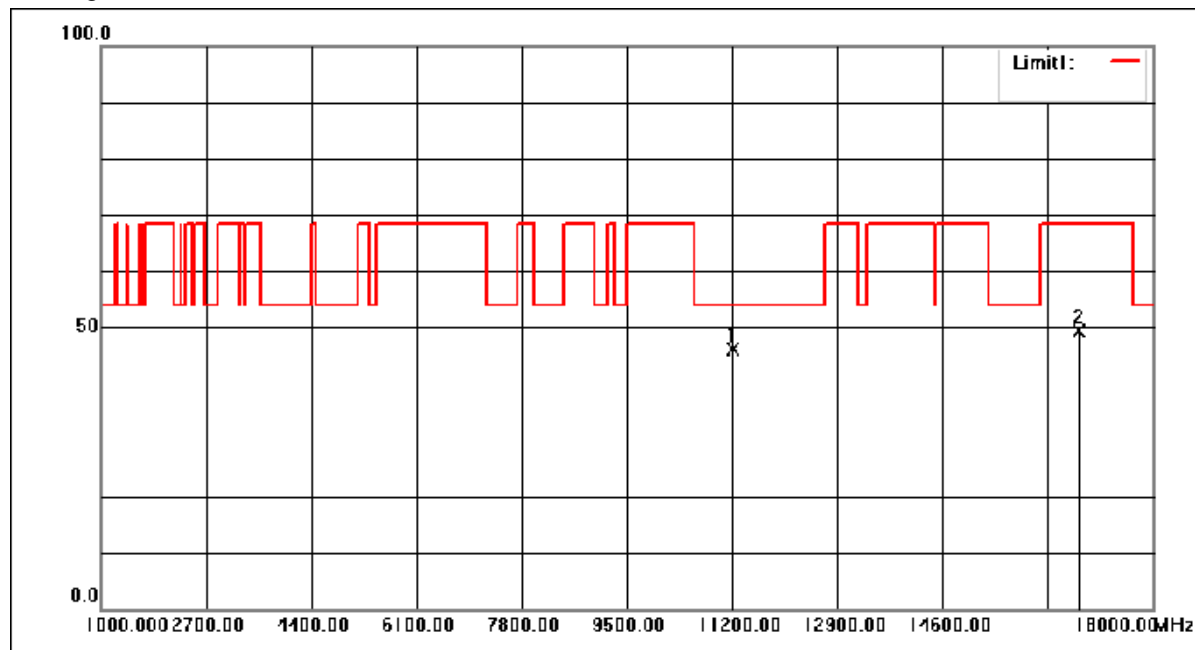
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11200.000	47.58	-1.55	46.03	54.00	-7.97	peak
2	16800.000	49.28	0.11	49.39	68.30	-18.91	peak



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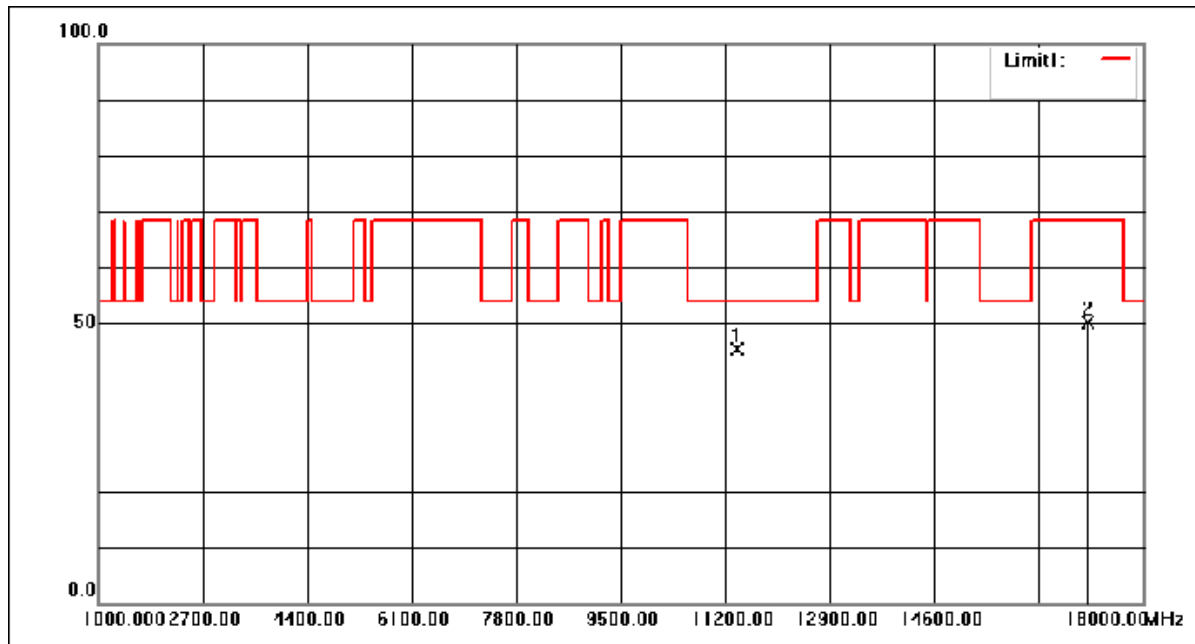
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11400.000	47.35	-2.02	45.33	54.00	-8.67	peak
2	17100.000	50.27	-0.08	50.19	68.30	-18.11	peak



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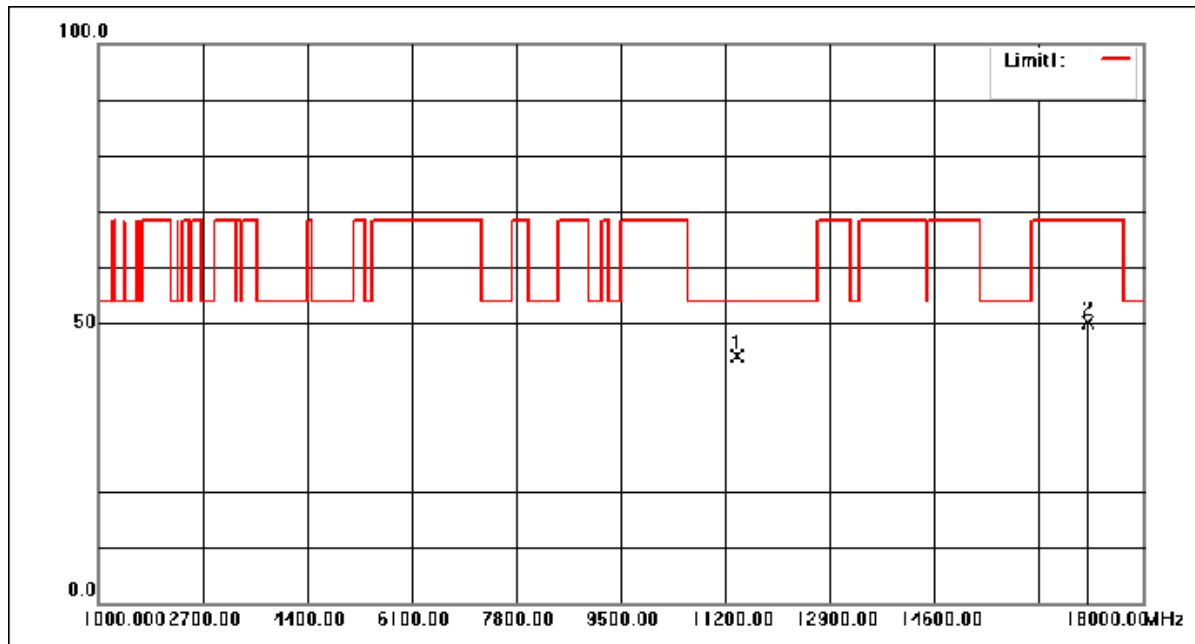
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11400.000	46.10	-2.02	44.08	54.00	-9.92	peak
2	17100.000	50.19	-0.08	50.11	68.30	-18.19	peak



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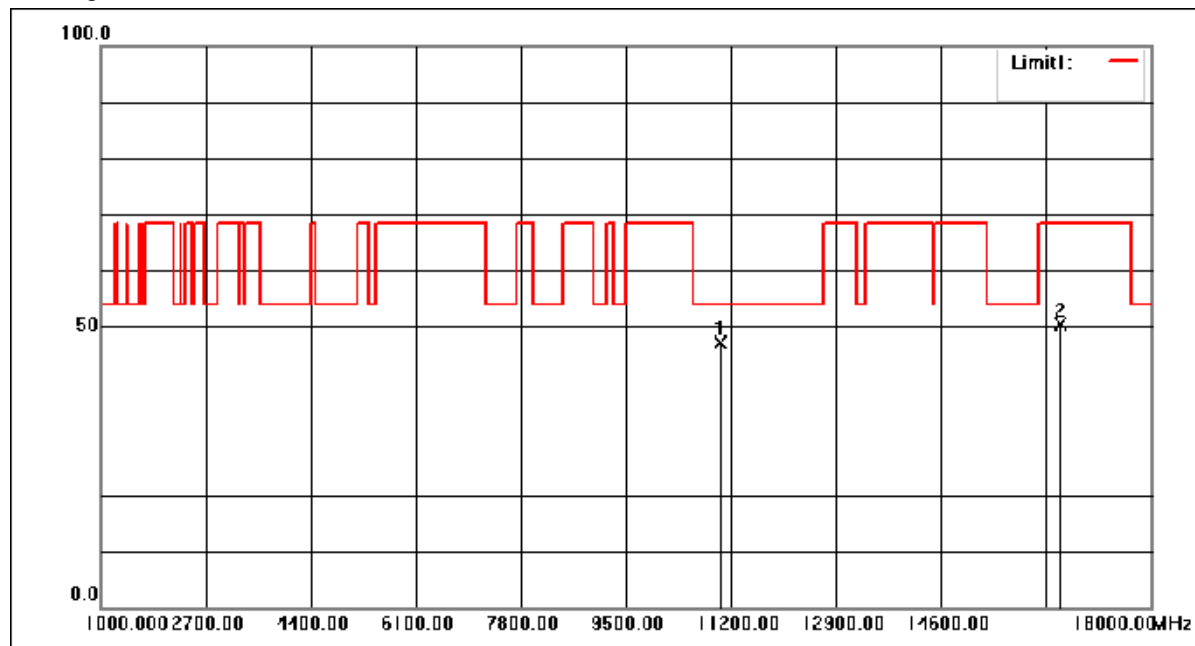
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11020.000	48.24	-1.12	47.12	54.00	-6.88	peak
2	16530.000	50.22	0.26	50.48	68.30	-17.82	peak



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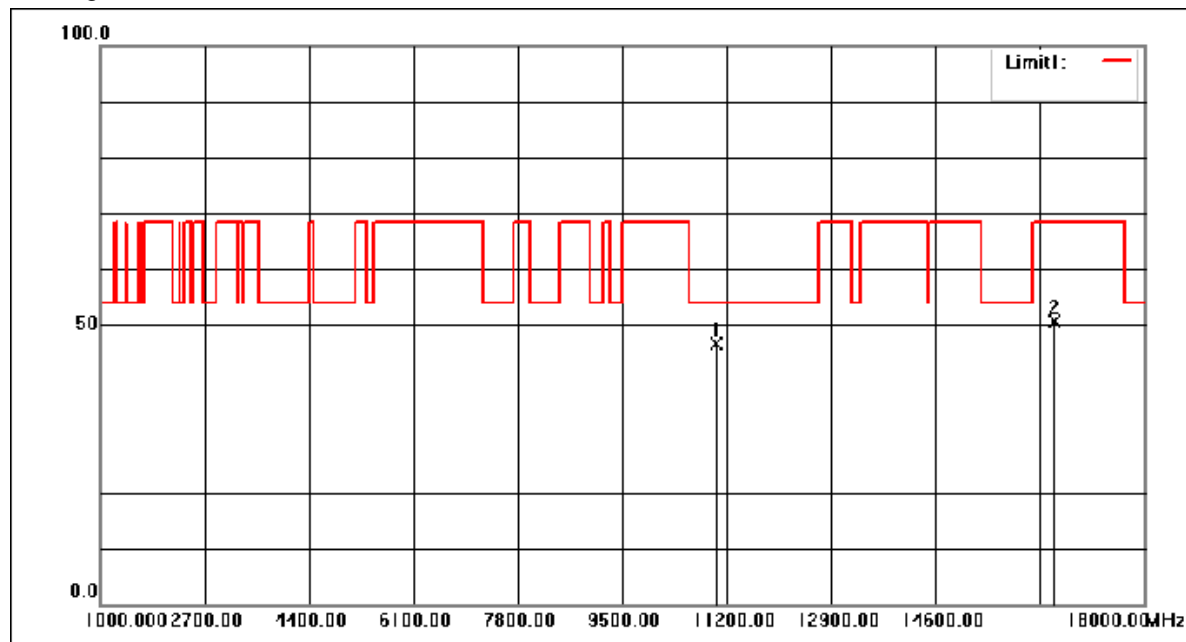
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11020.000	47.63	-1.12	46.51	54.00	-7.49	peak
2	16530.000	50.40	0.26	50.66	68.30	-17.64	peak



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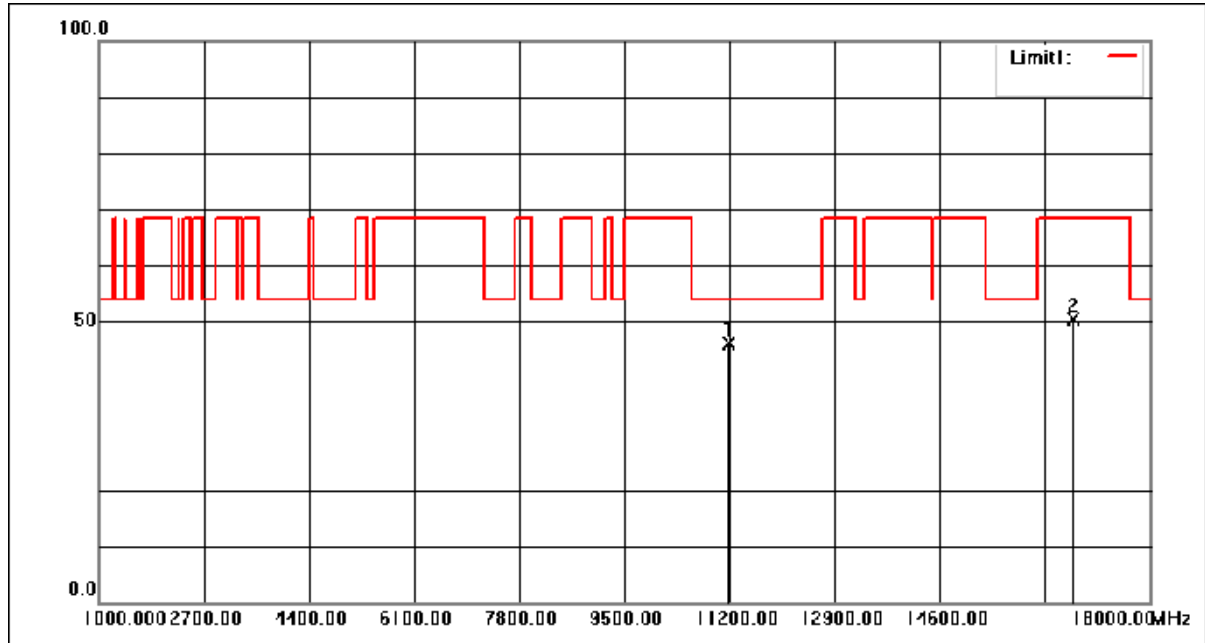
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11180.000	47.68	-1.50	46.18	54.00	-7.82	peak
2	16770.000	50.15	0.13	50.28	68.30	-18.02	peak



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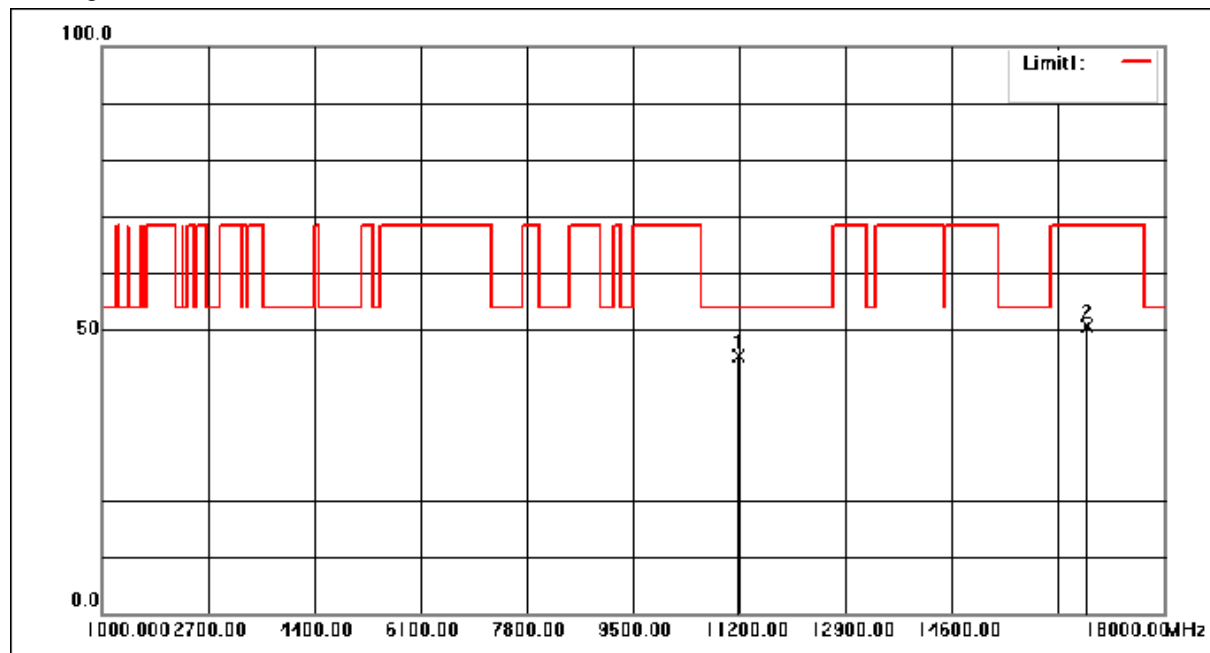
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11180.000	46.96	-1.50	45.46	54.00	-8.54	peak
2	16770.000	50.49	0.13	50.62	68.30	-17.68	peak



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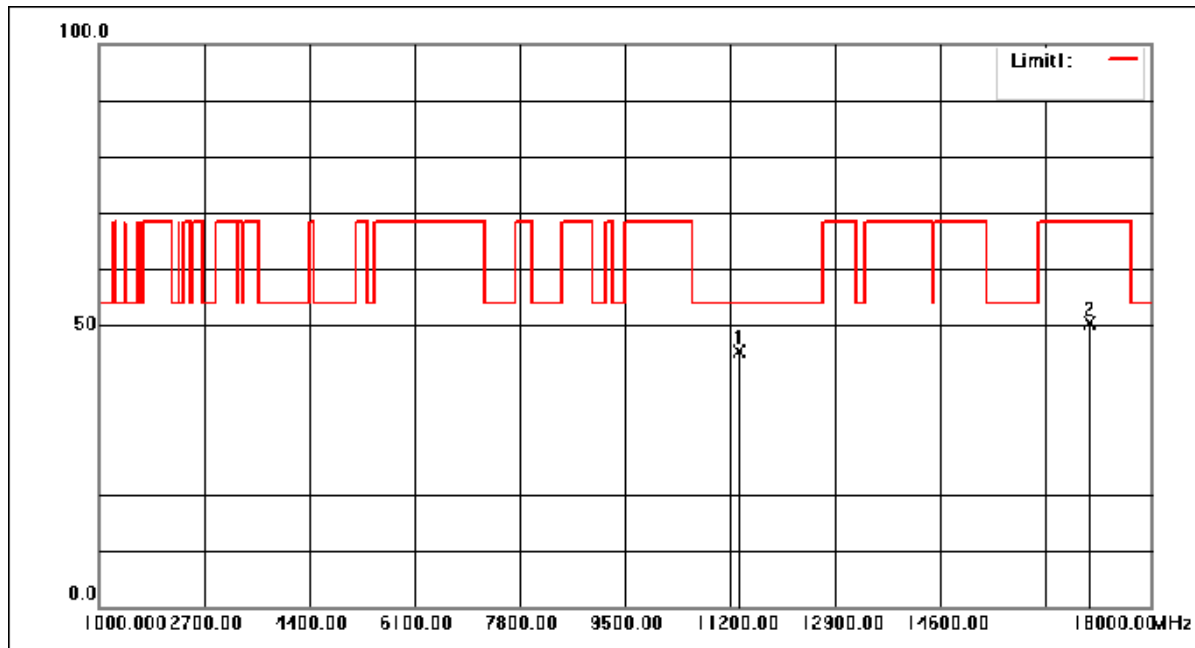
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11340.000	47.28	-1.88	45.40	54.00	-8.60	peak
2	17010.000	50.49	-0.01	50.48	68.30	-17.82	peak



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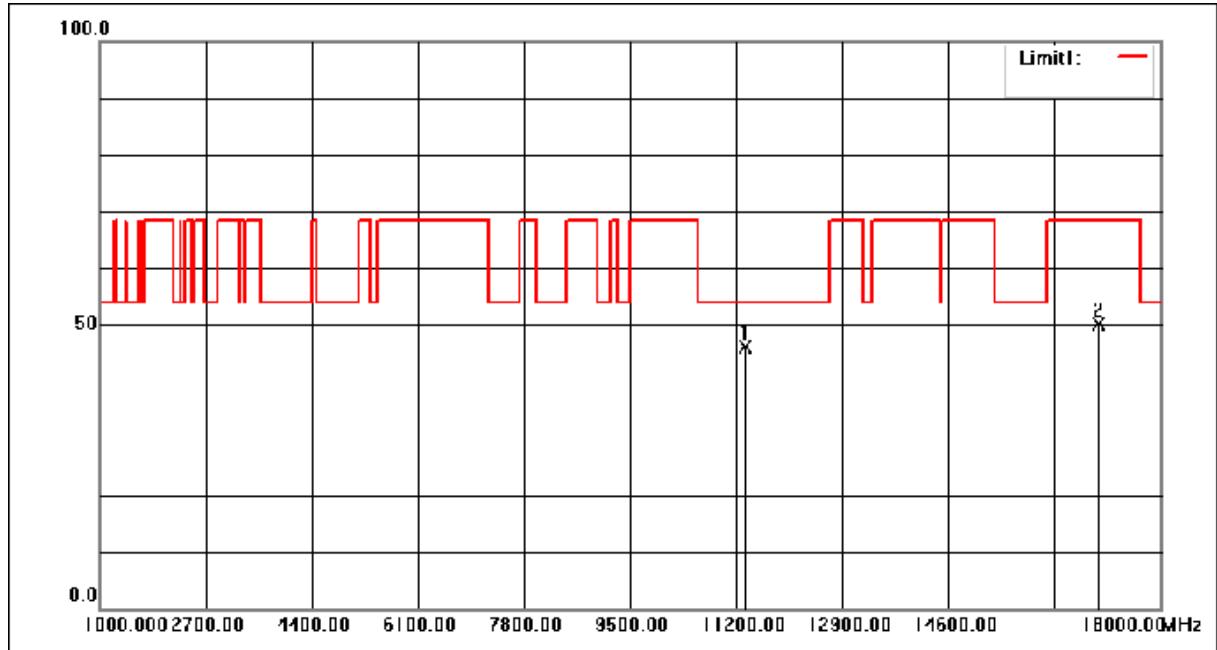
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dB)	Correction factor (dB)	Result (dB)	Limit (dB)	Margin (dB)	Remark
1	11340.000	48.07	-1.88	46.19	54.00	-7.81	peak
2	17010.000	50.16	-0.01	50.15	68.30	-18.15	peak



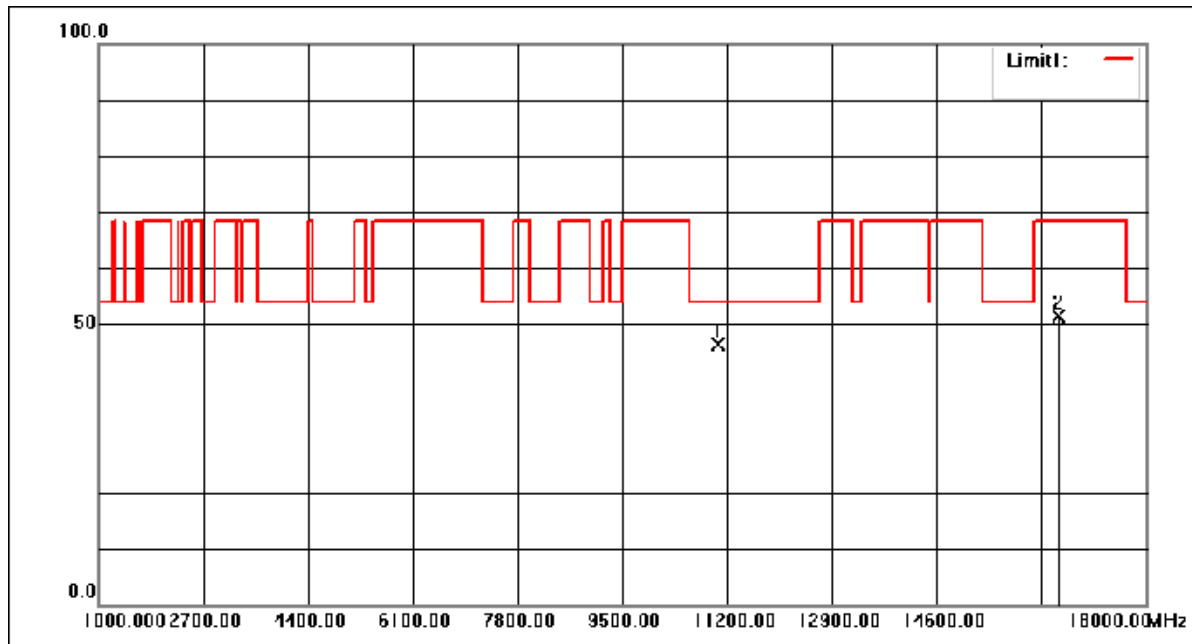
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11060.000	47.64	-1.21	46.43	54.00	-7.57	peak
2	16590.000	51.11	0.23	51.34	68.30	-16.96	peak



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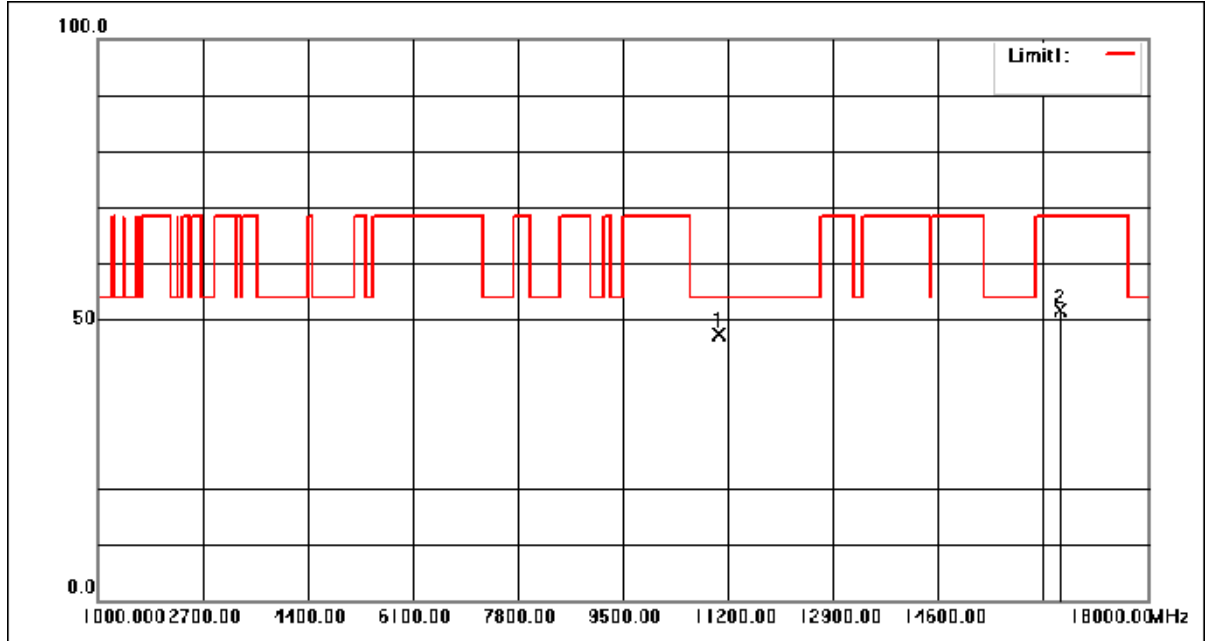
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11060.000	48.50	-1.21	47.29	54.00	-6.71	peak
2	16590.000	51.38	0.23	51.61	68.30	-16.69	peak



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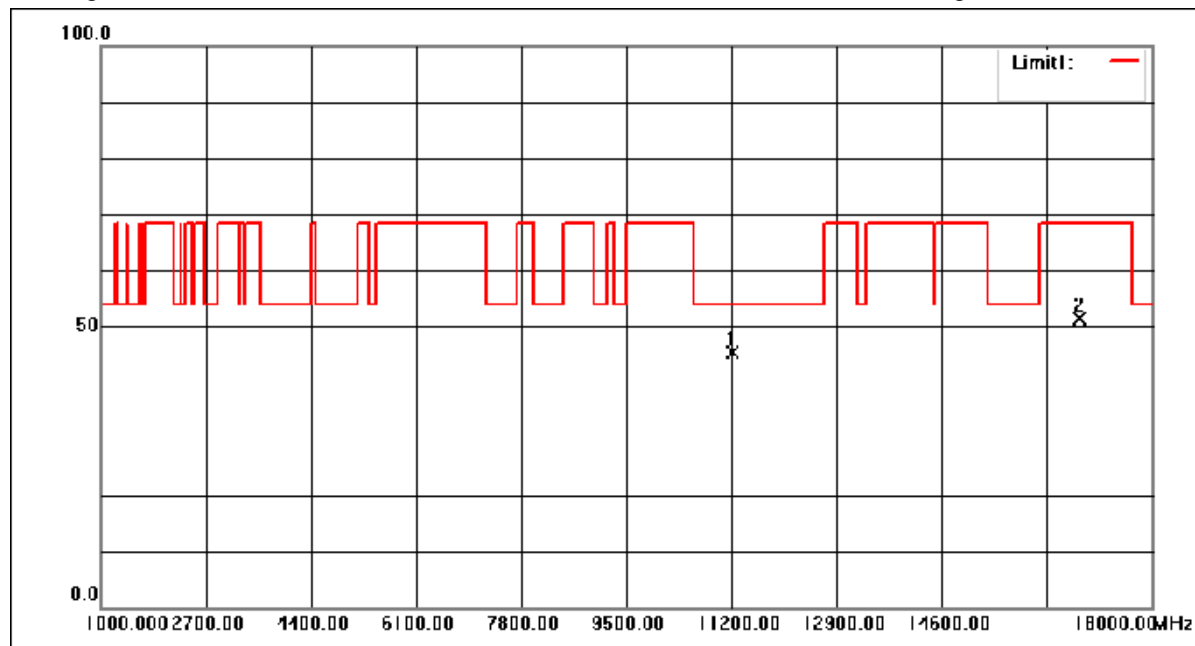
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11220.000	46.88	-1.59	45.29	54.00	-8.71	peak
2	16830.000	51.30	0.10	51.40	68.30	-16.90	peak



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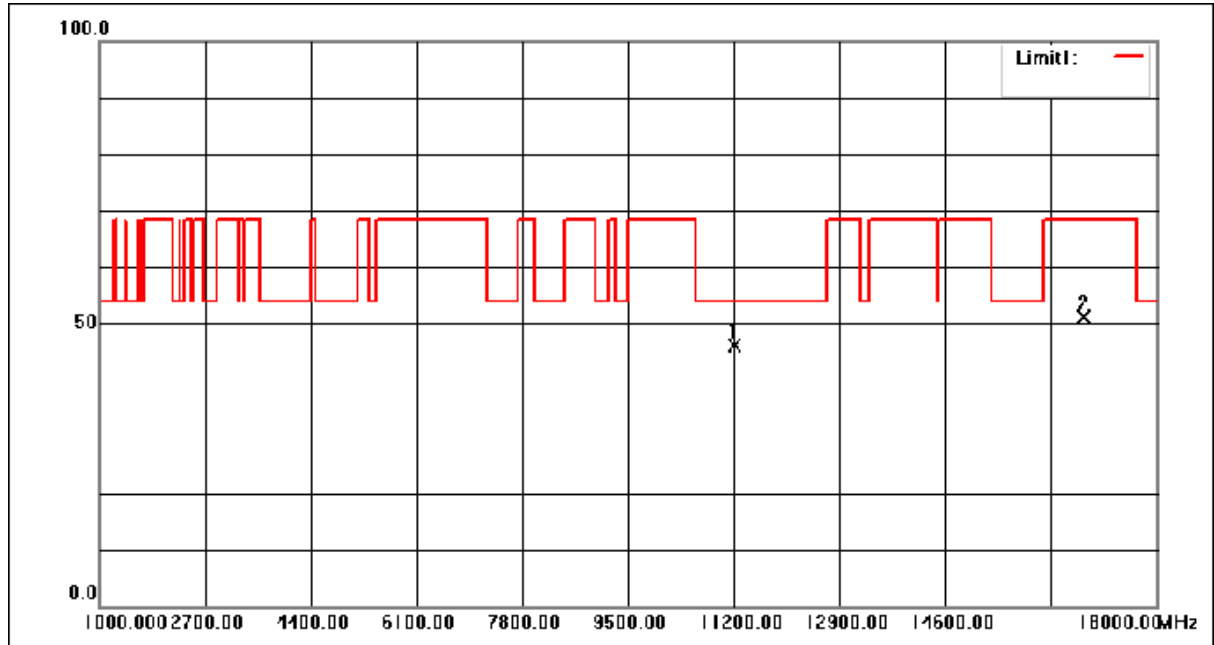
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11220.000	47.65	-1.59	46.06	54.00	-7.94	peak
2	16830.000	51.13	0.10	51.23	68.30	-17.07	peak



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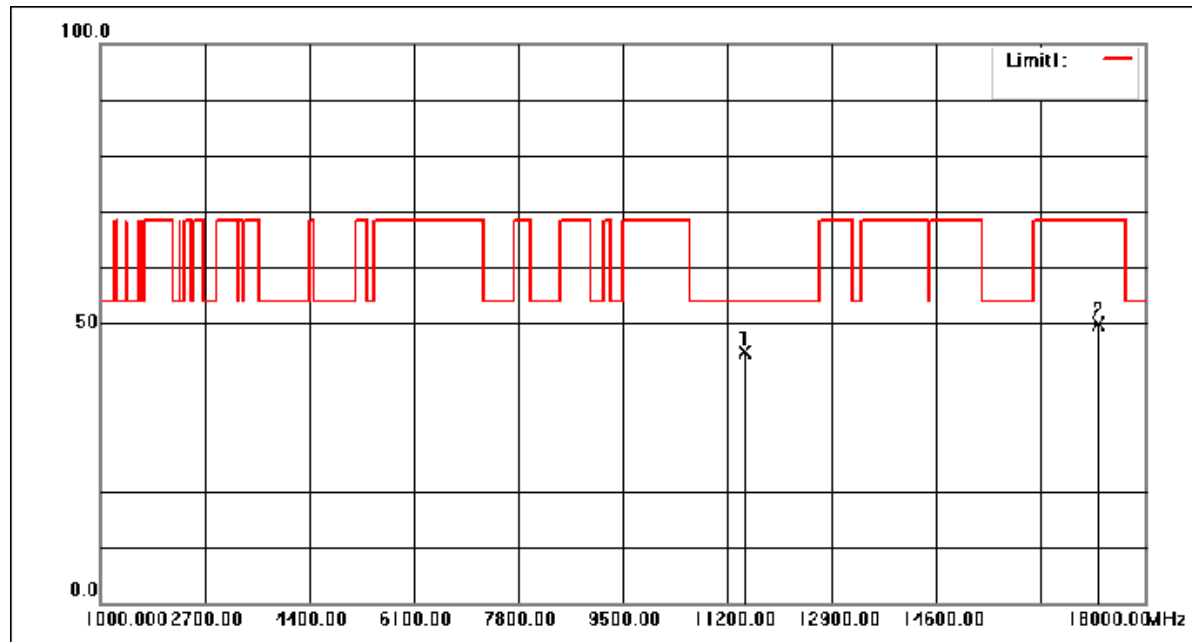
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Mode:h; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11490.000	47.22	-2.24	44.98	54.00	-9.02	peak
2	17235.000	50.17	-0.19	49.98	68.30	-18.32	peak



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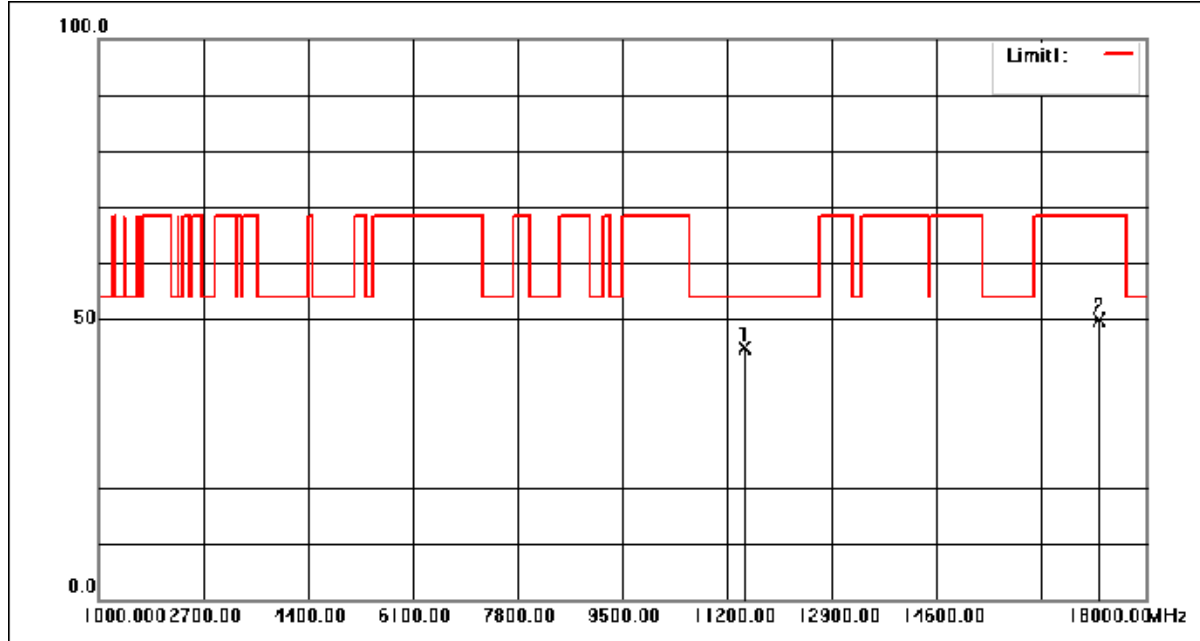
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11490.000	47.22	-2.24	44.98	54.00	-9.02	peak
2	17235.000	50.06	-0.19	49.87	68.30	-18.43	peak



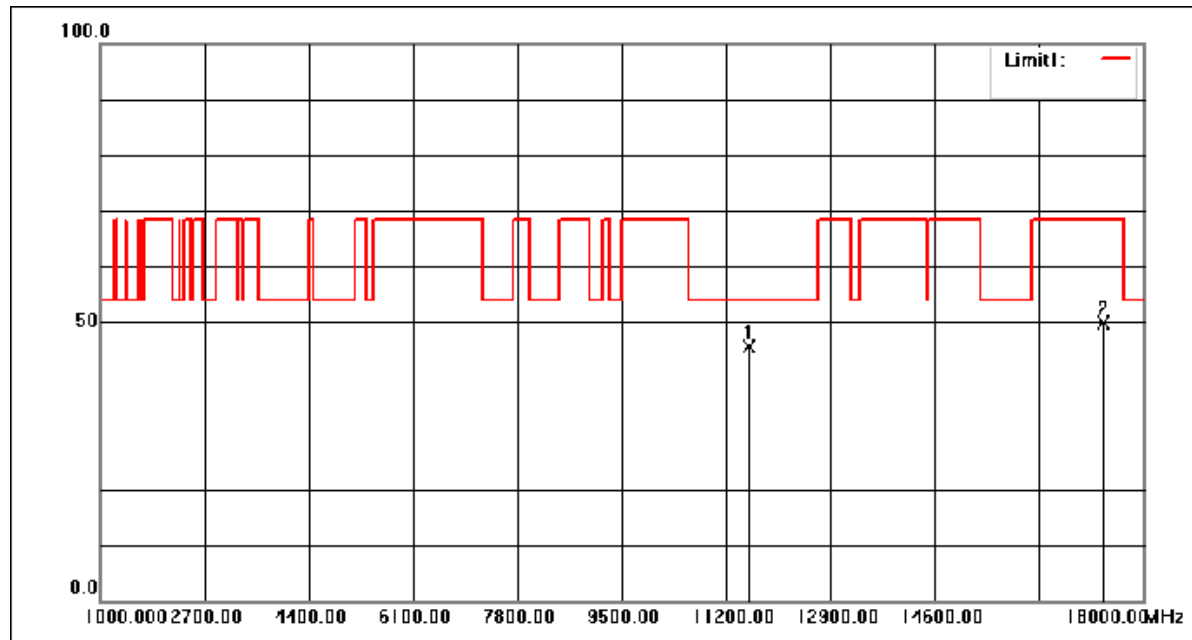
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Mode:h; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11570.000	47.96	-2.33	45.63	54.00	-8.37	peak
2	17355.000	50.12	-0.29	49.83	68.30	-18.47	peak



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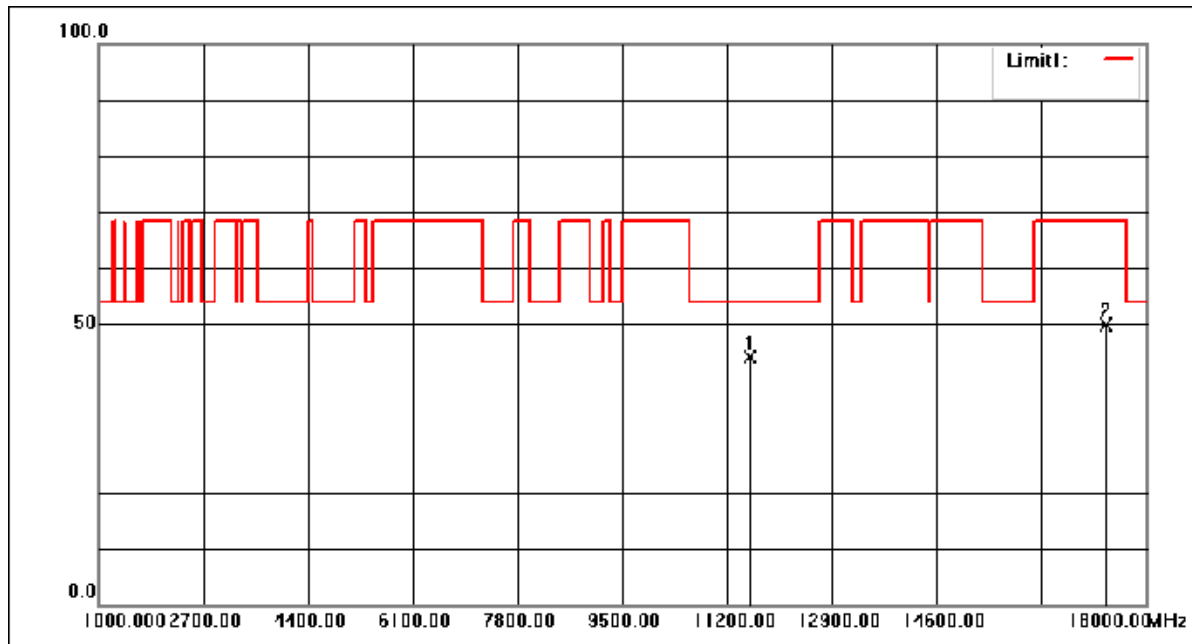
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11570.000	46.37	-2.33	44.04	54.00	-9.96	peak
2	17355.000	50.27	-0.29	49.98	68.30	-18.32	peak



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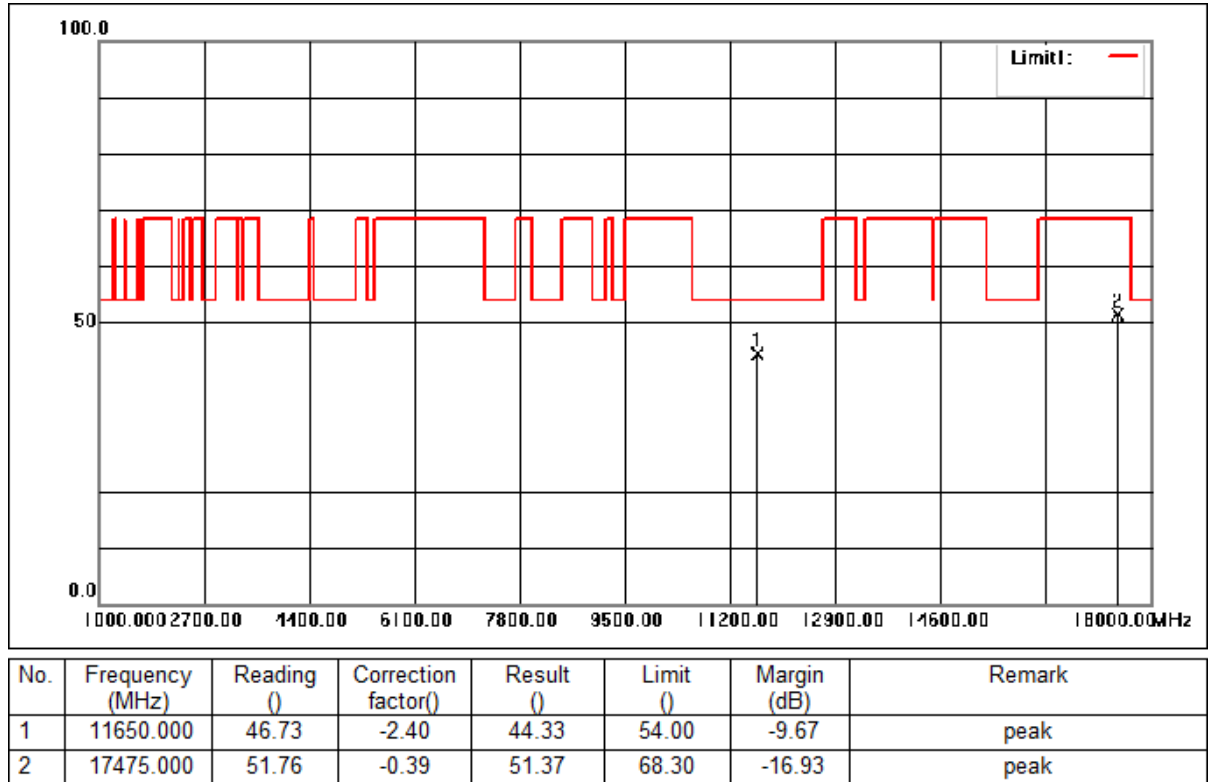
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Mode:h; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



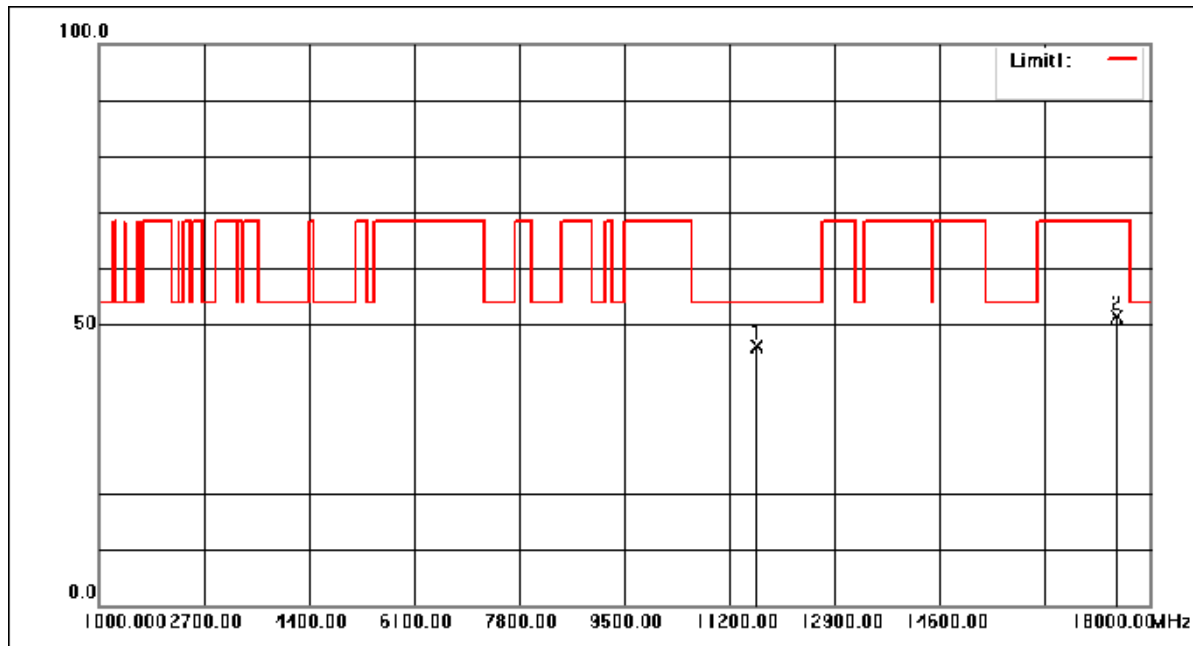
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11650.000	48.54	-2.40	46.14	54.00	-7.86	peak
2	17475.000	51.78	-0.39	51.39	68.30	-16.91	peak



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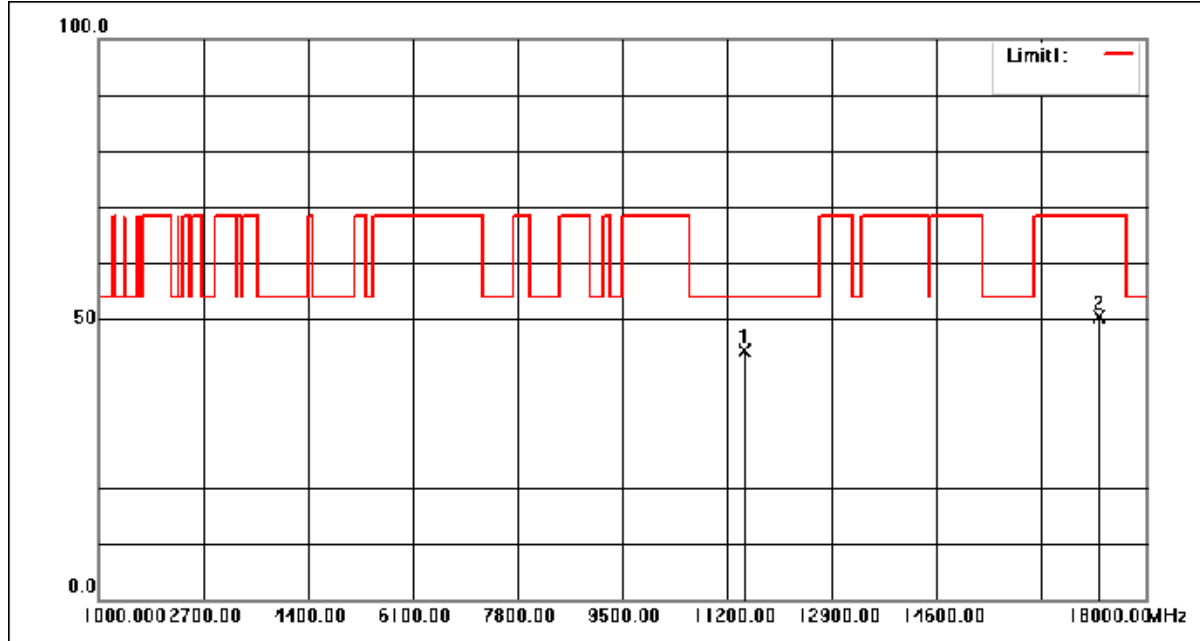
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11490.000	46.53	-2.24	44.29	54.00	-9.71	peak
2	17235.000	50.65	-0.19	50.46	68.30	-17.84	peak



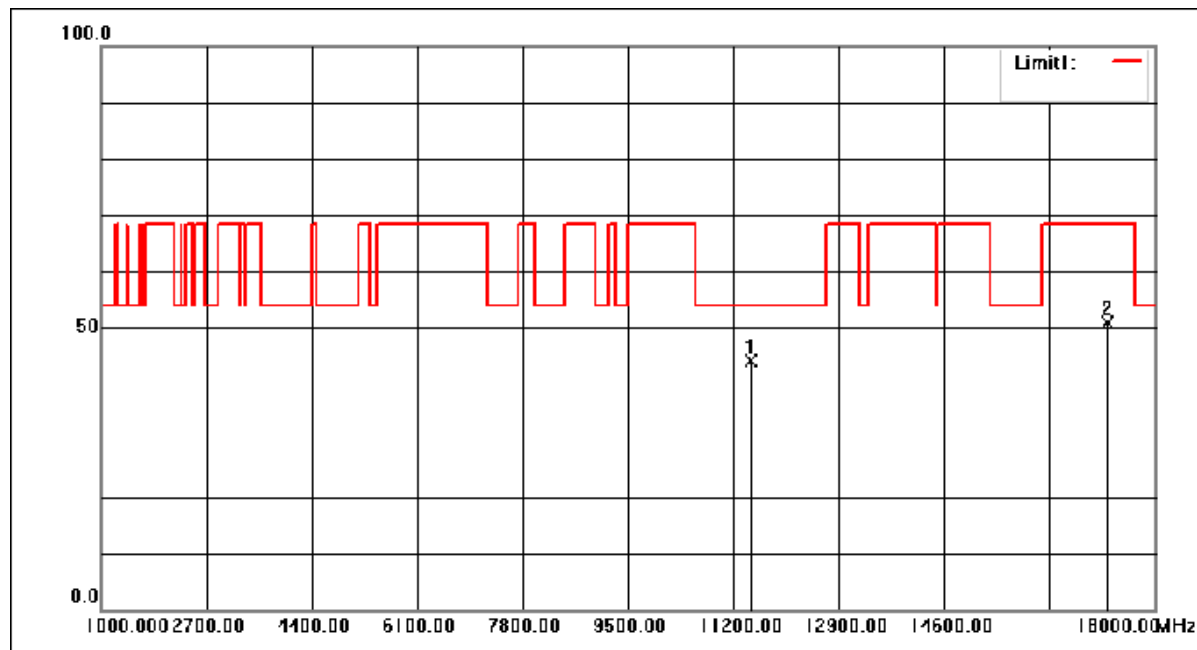
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11490.000	46.38	-2.24	44.14	54.00	-9.86	peak
2	17235.000	50.99	-0.19	50.80	68.30	-17.50	peak



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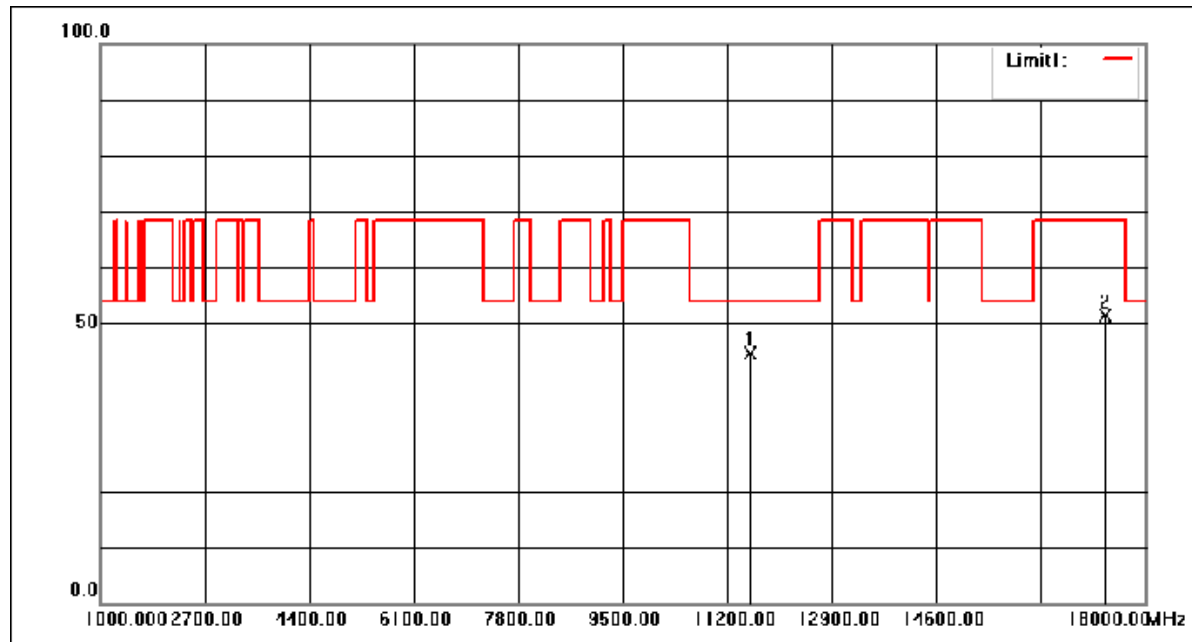
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11570.000	46.97	-2.33	44.64	54.00	-9.36	peak
2	17355.000	51.79	-0.29	51.50	68.30	-16.80	peak

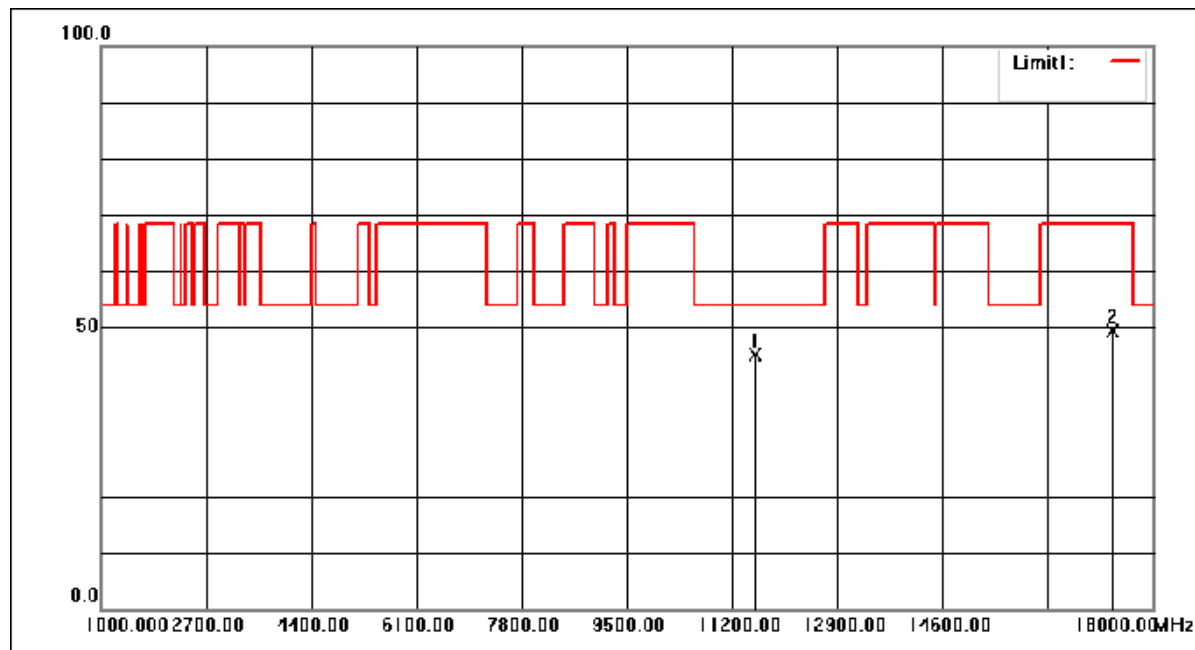


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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11570.000	47.58	-2.33	45.25	54.00	-8.75	peak
2	17355.000	49.77	-0.29	49.48	68.30	-18.82	peak



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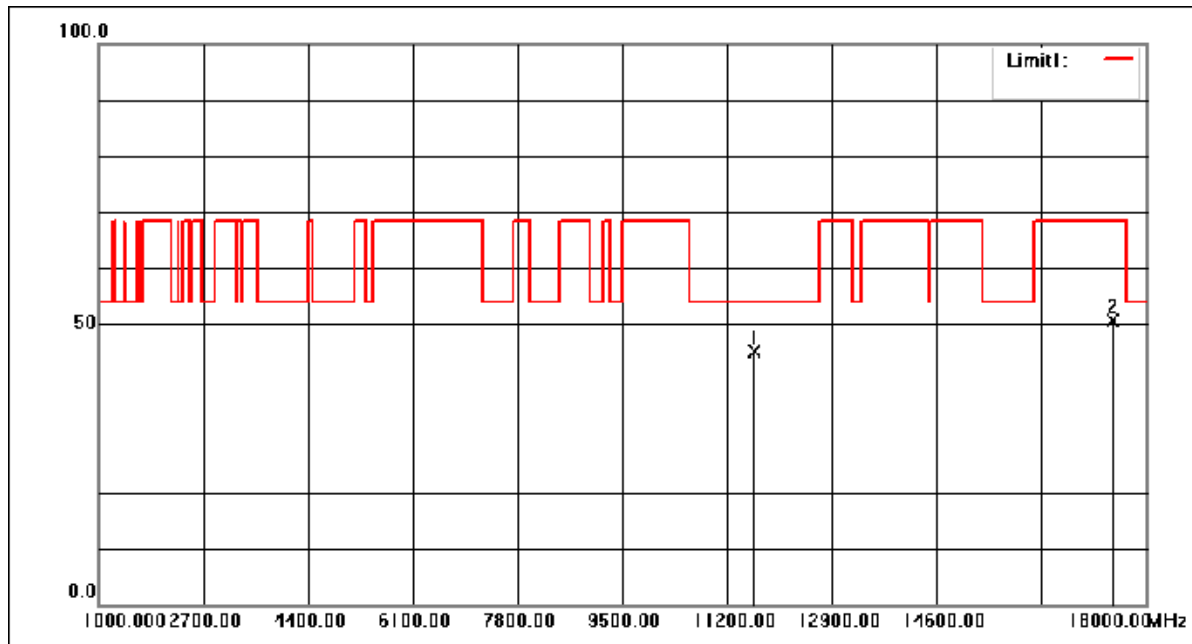
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11650.000	47.44	-2.40	45.04	54.00	-8.96	peak
2	17475.000	50.91	-0.39	50.52	68.30	-17.78	peak



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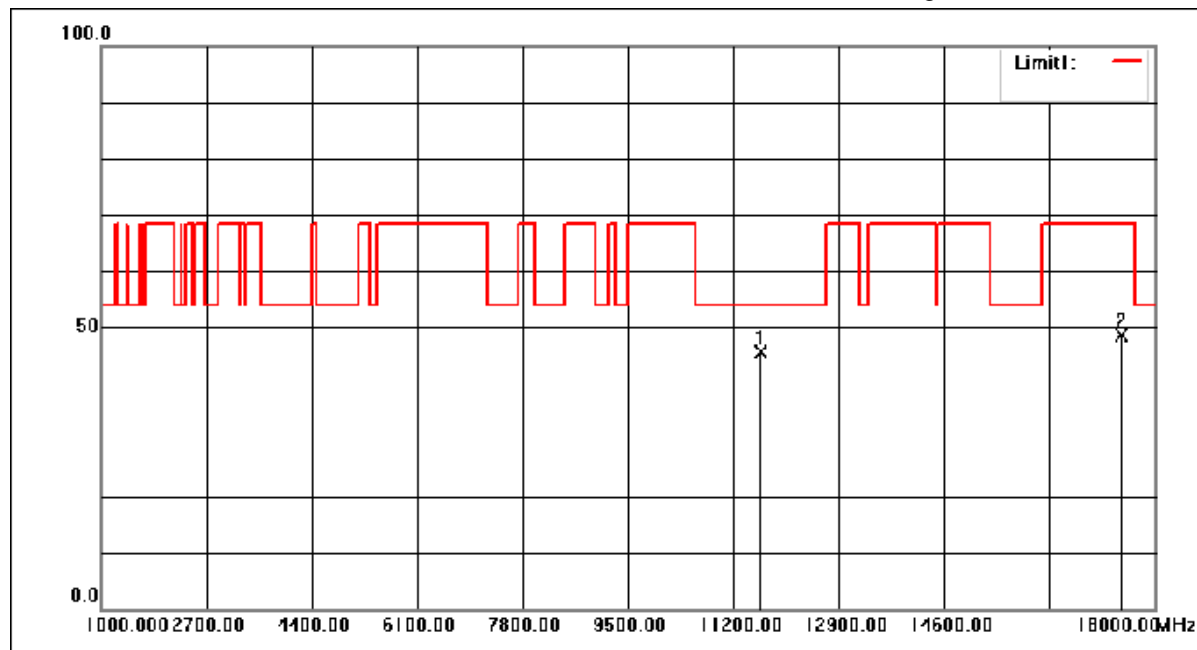
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11650.000	47.98	-2.40	45.58	54.00	-8.42	peak
2	17475.000	49.02	-0.39	48.63	68.30	-19.67	peak



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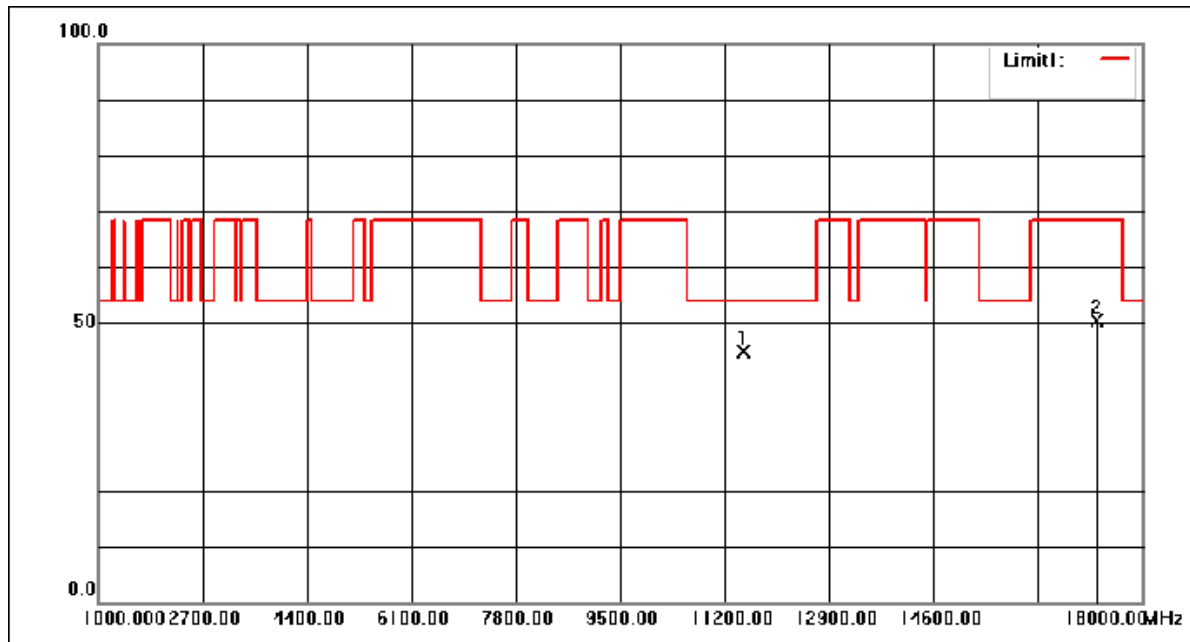
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11510.000	47.15	-2.27	44.88	54.00	-9.12	peak
2	17265.000	50.52	-0.22	50.30	68.30	-18.00	peak



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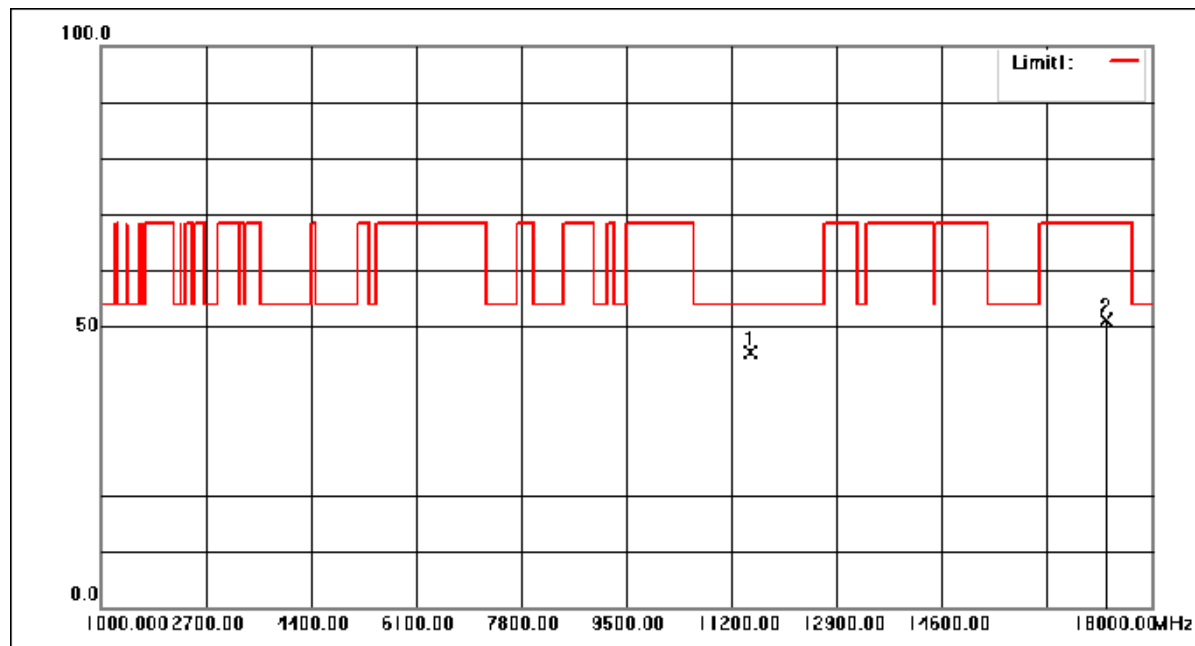
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11510.000	47.57	-2.27	45.30	54.00	-8.70	peak
2	17265.000	51.24	-0.22	51.02	68.30	-17.28	peak



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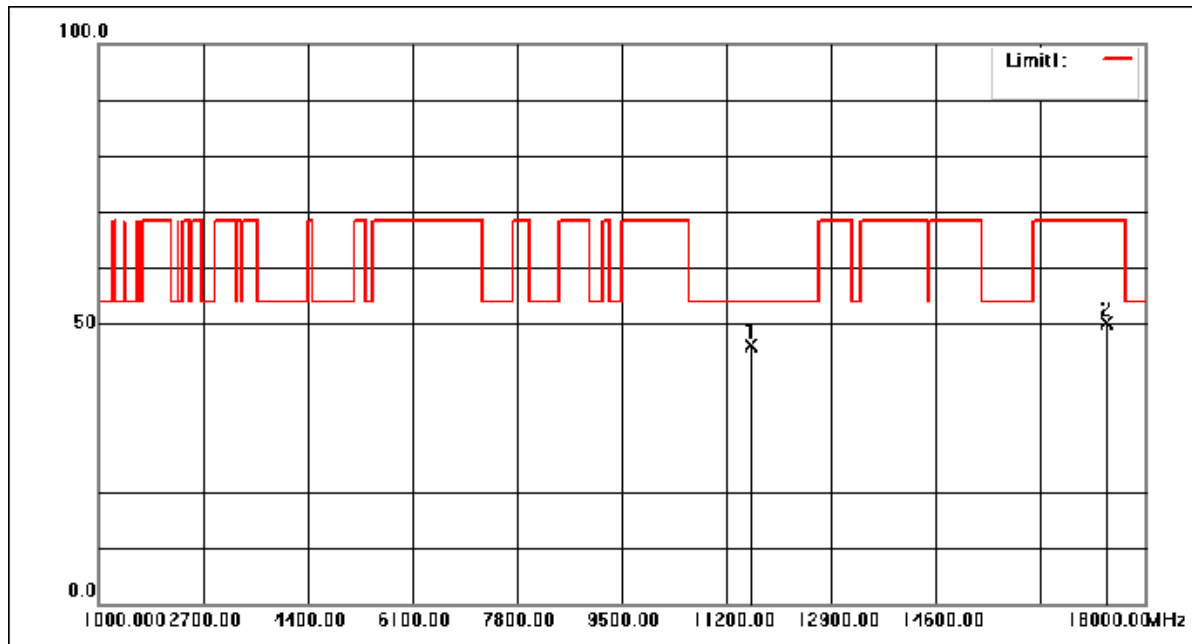
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11590.000	48.43	-2.34	46.09	54.00	-7.91	peak
2	17385.000	50.38	-0.32	50.06	68.30	-18.24	peak



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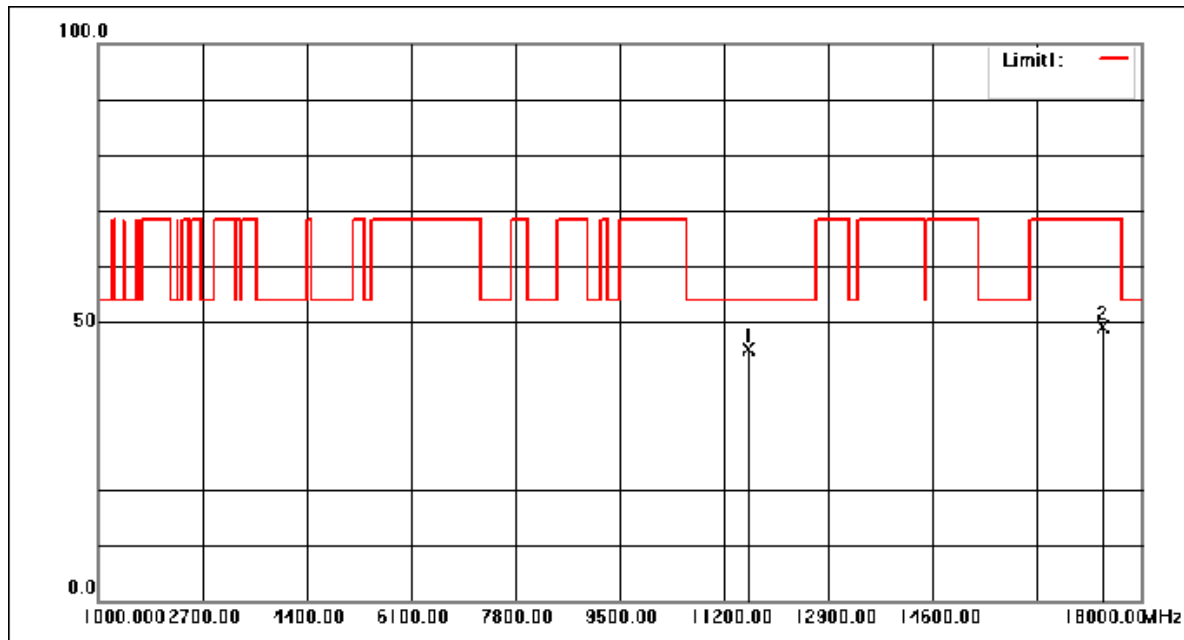
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11590.000	47.57	-2.34	45.23	54.00	-8.77	peak
2	17385.000	49.52	-0.32	49.20	68.30	-19.10	peak



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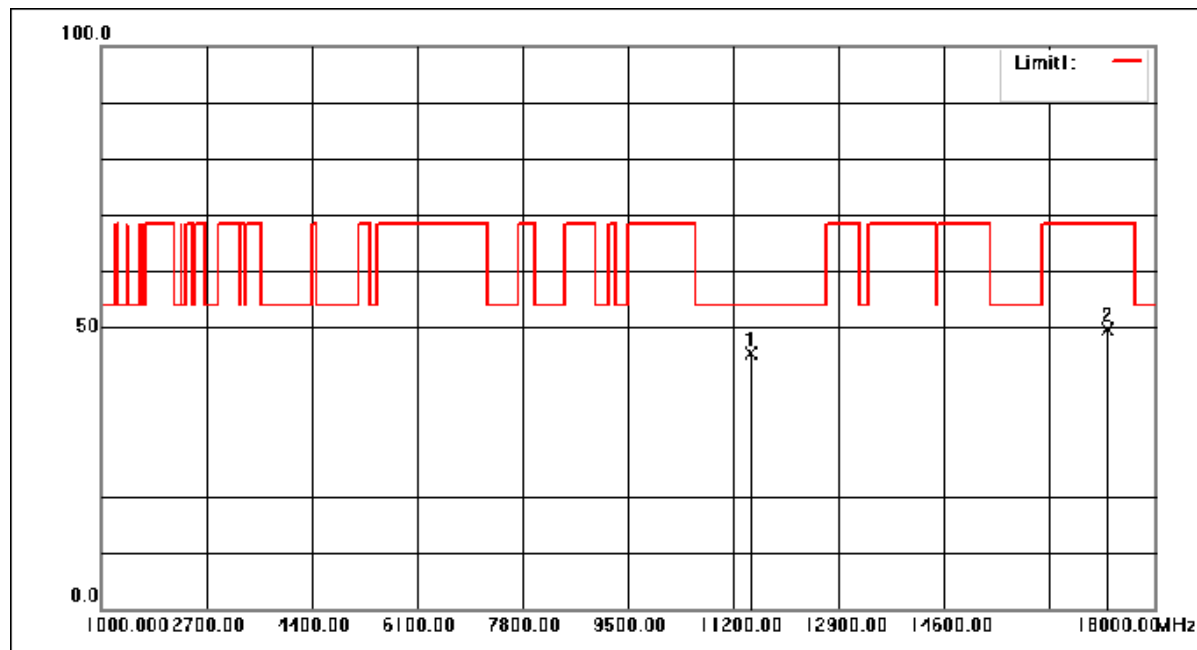
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11490.000	47.51	-2.24	45.27	54.00	-8.73	peak
2	17235.000	49.79	-0.19	49.60	68.30	-18.70	peak



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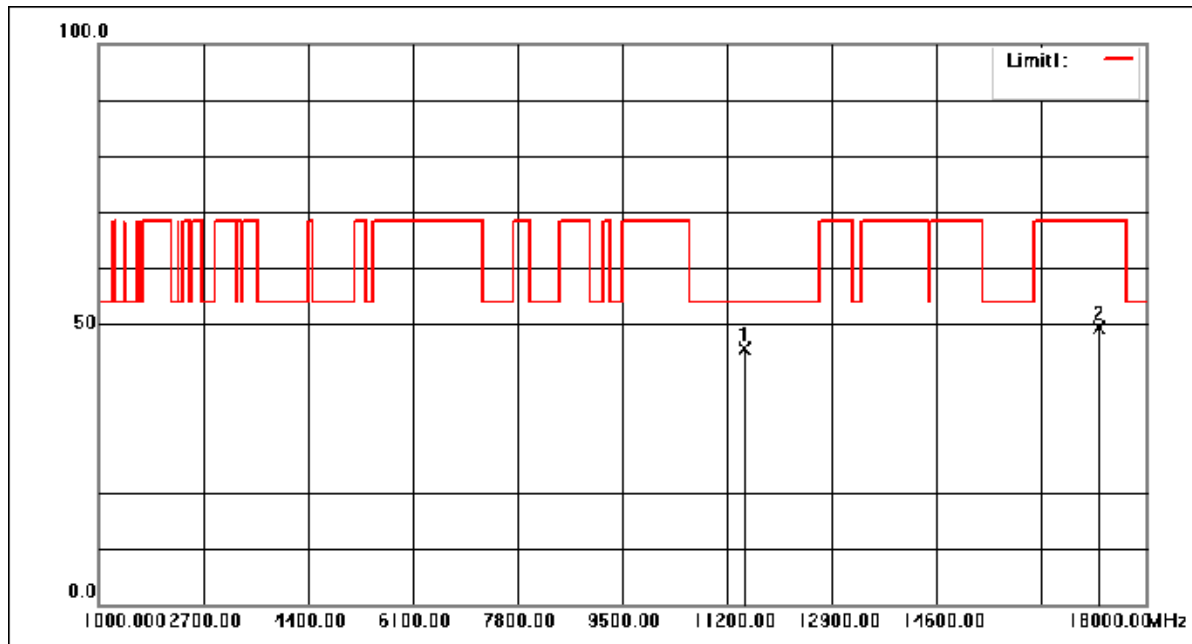
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11490.000	47.99	-2.24	45.75	54.00	-8.25	peak
2	17235.000	49.53	-0.19	49.34	68.30	-18.96	peak



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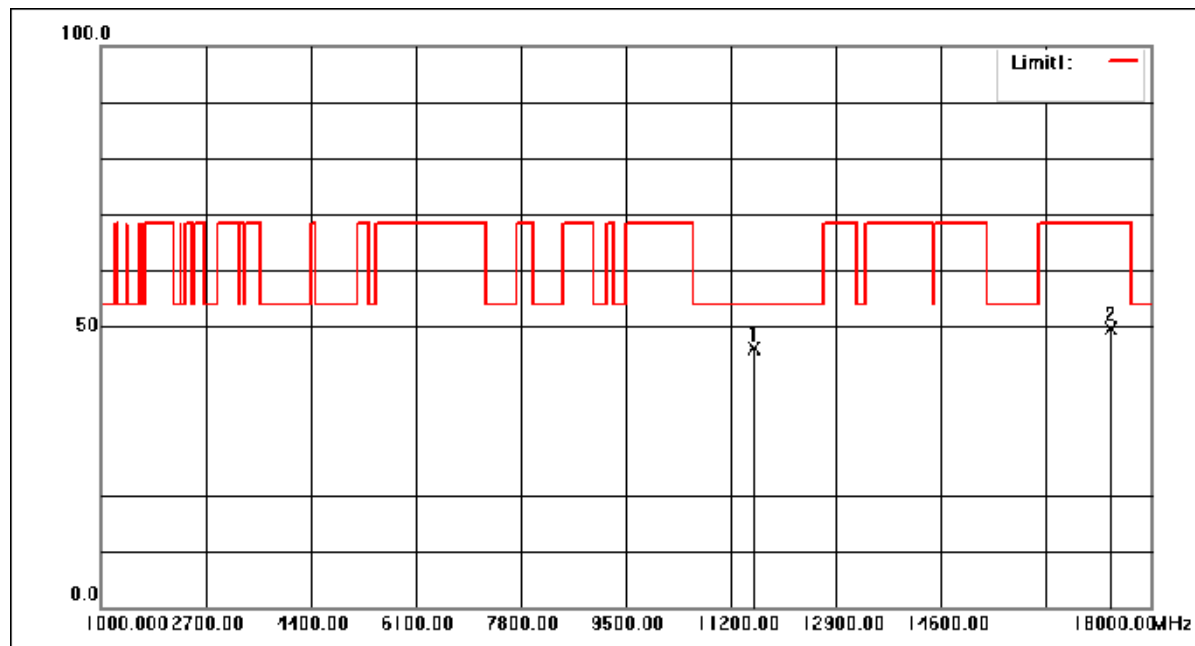
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11570.000	48.44	-2.33	46.11	54.00	-7.89	peak
2	17355.000	49.88	-0.29	49.59	68.30	-18.71	peak



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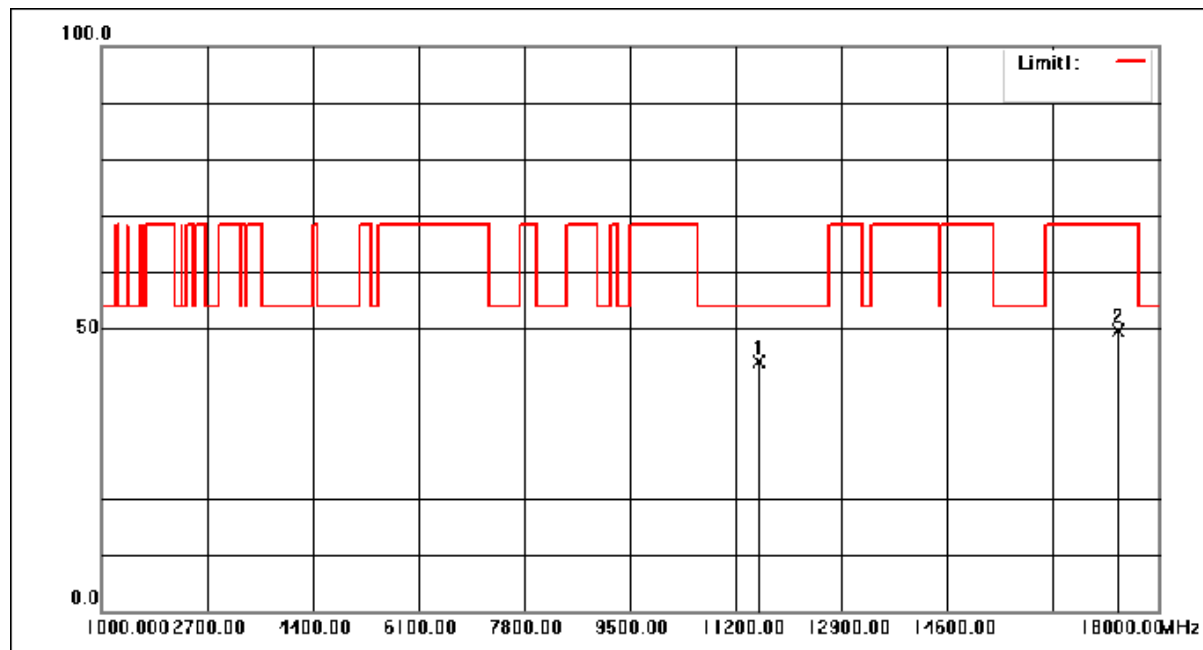
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11570.000	46.55	-2.33	44.22	54.00	-9.78	peak
2	17355.000	50.04	-0.29	49.75	68.30	-18.55	peak



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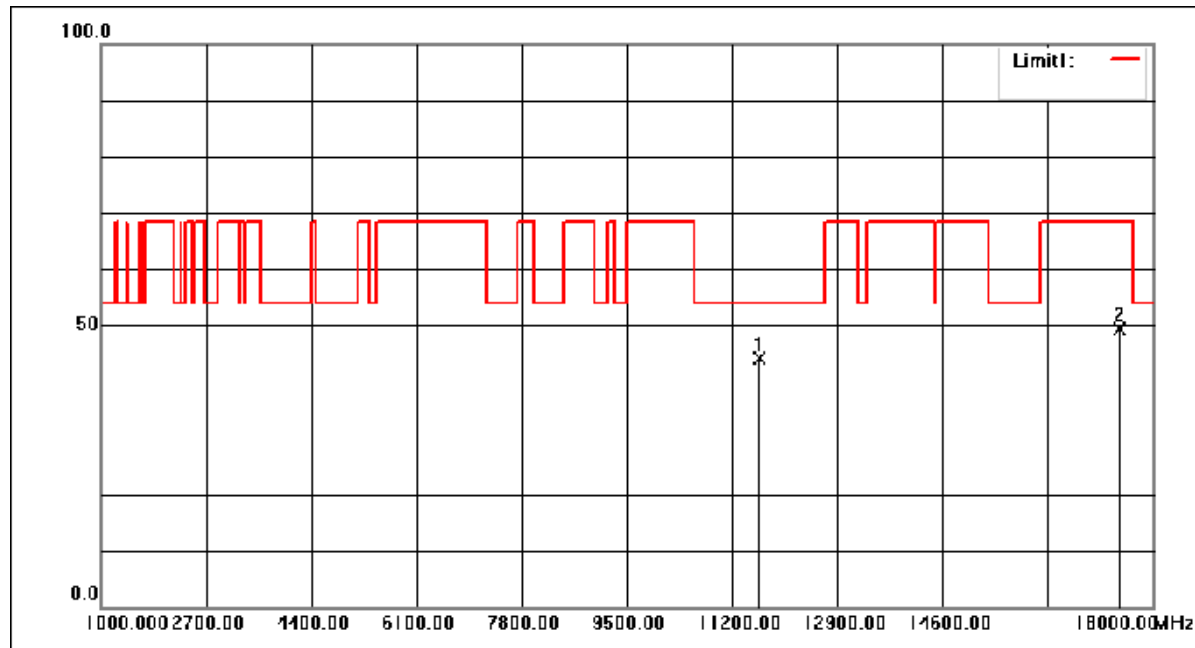
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11650.000	46.65	-2.40	44.25	54.00	-9.75	peak
2	17475.000	49.88	-0.39	49.49	68.30	-18.81	peak



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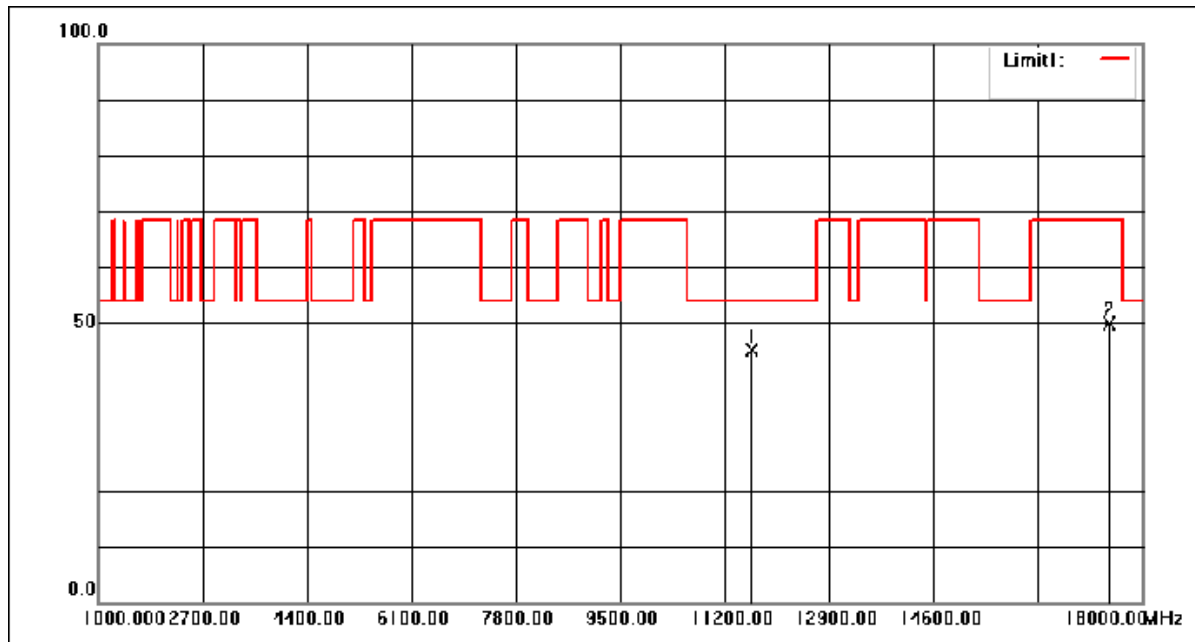
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11650.000	47.62	-2.40	45.22	54.00	-8.78	peak
2	17475.000	50.27	-0.39	49.88	68.30	-18.42	peak



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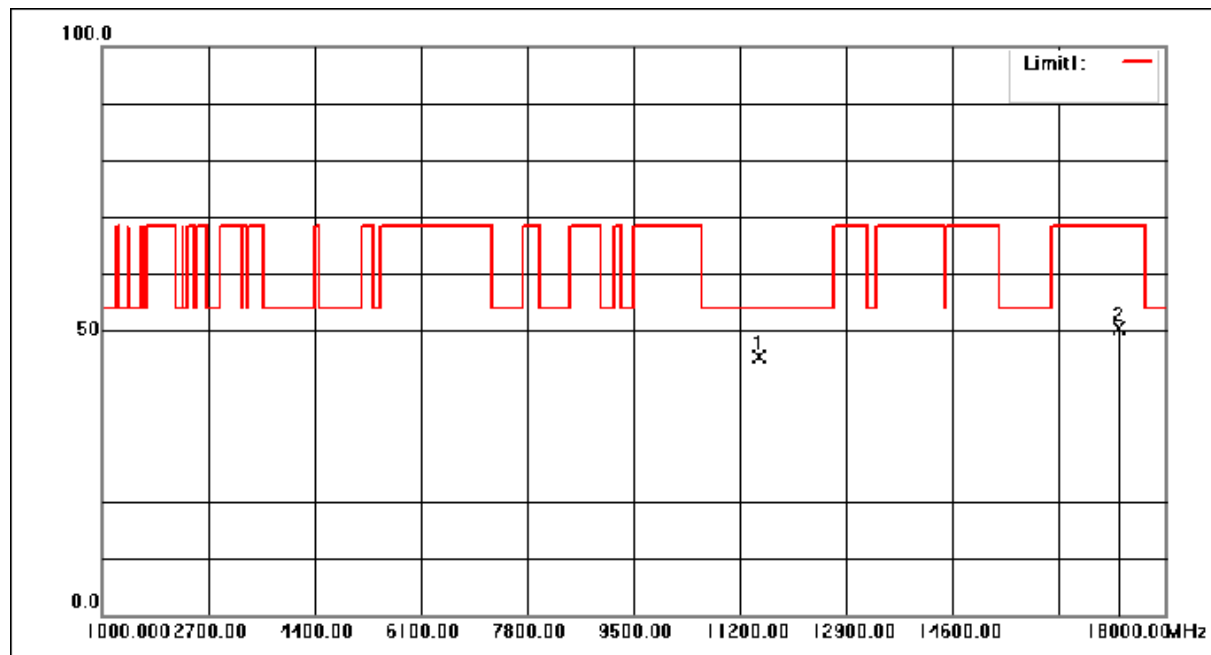
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11510.000	47.76	-2.27	45.49	54.00	-8.51	peak
2	17265.000	50.62	-0.22	50.40	68.30	-17.90	peak



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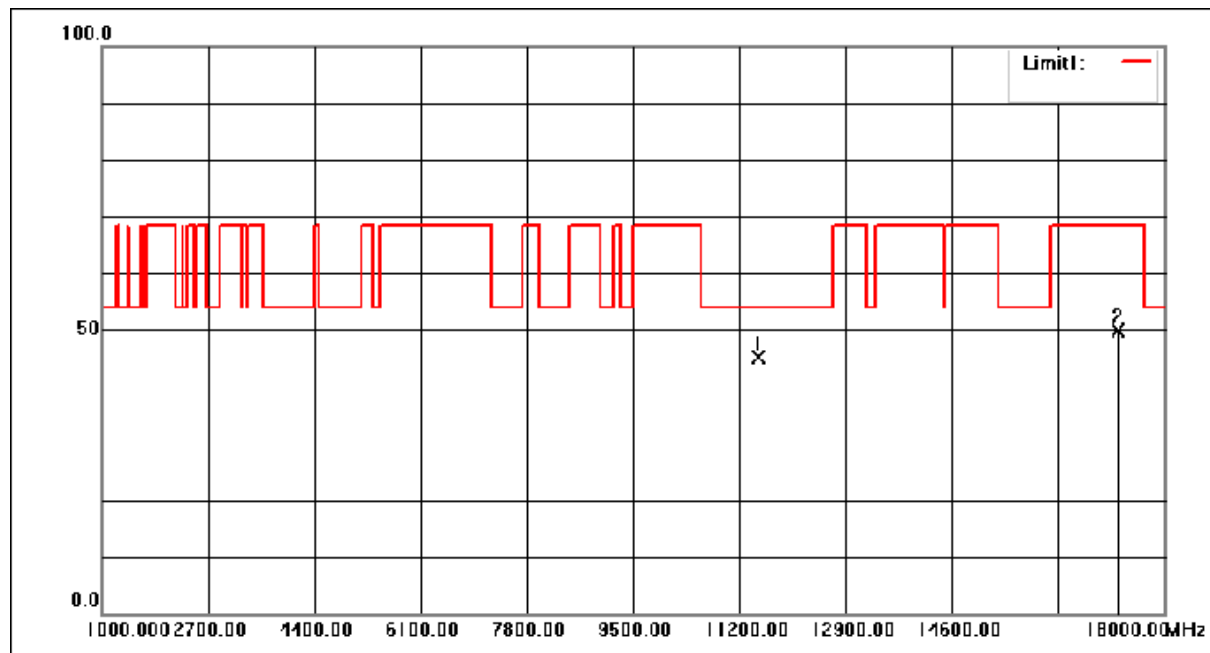
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11510.000	47.38	-2.27	45.11	54.00	-8.89	peak
2	17265.000	50.10	-0.22	49.88	68.30	-18.42	peak



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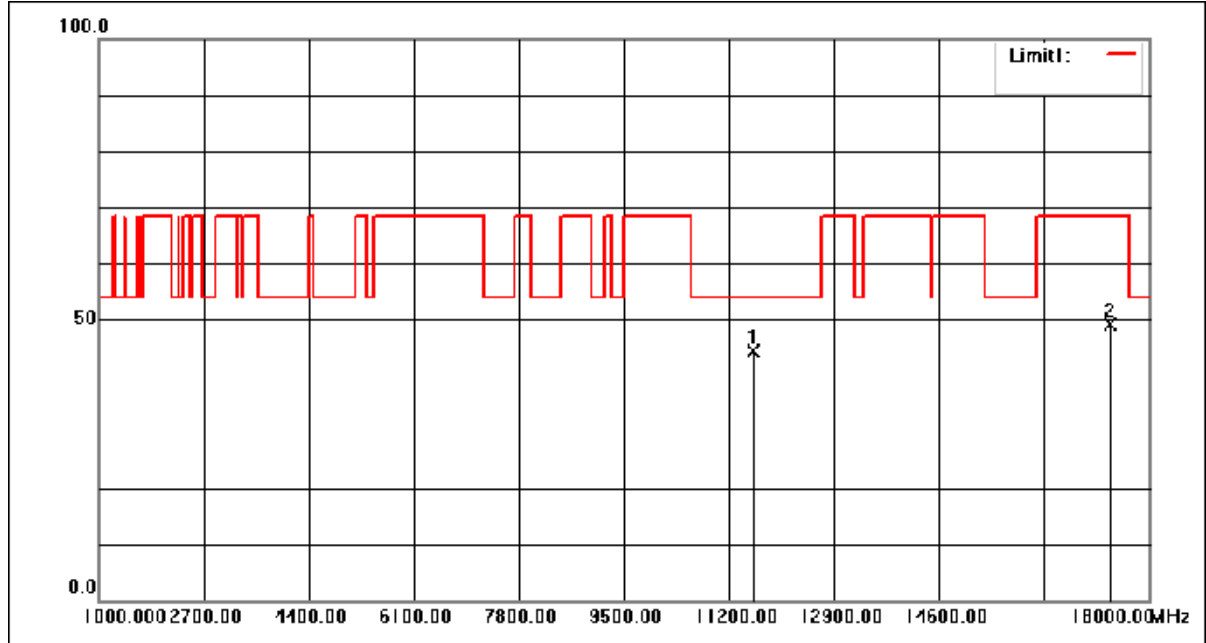
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11590.000	46.79	-2.34	44.45	54.00	-9.55	peak
2	17385.000	49.41	-0.32	49.09	68.30	-19.21	peak



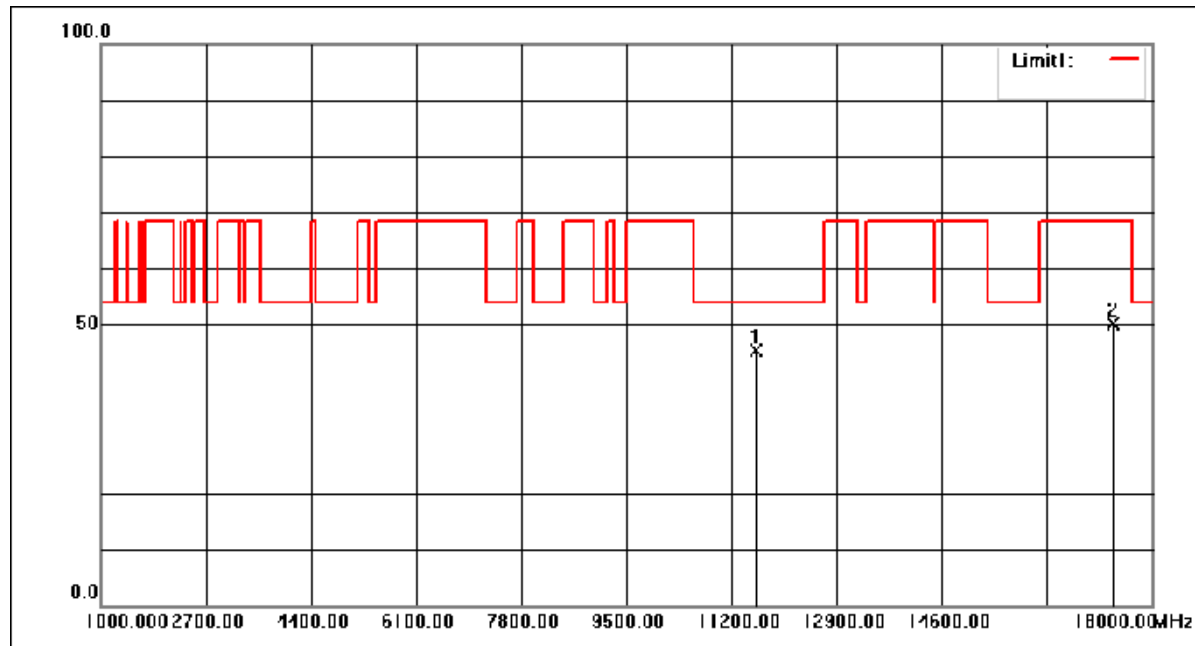
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11590.000	47.63	-2.34	45.29	54.00	-8.71	peak
2	17385.000	50.50	-0.32	50.18	68.30	-18.12	peak



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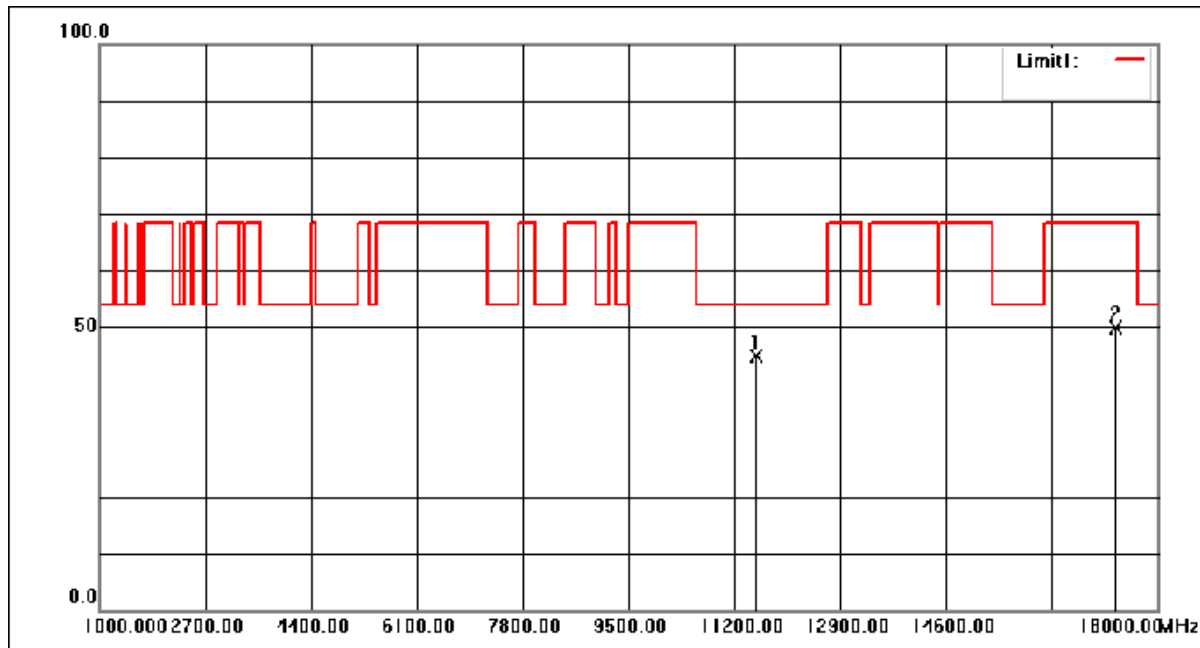
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11550.000	47.28	-2.31	44.97	54.00	-9.03	peak
2	17325.000	50.09	-0.27	49.82	68.30	-18.48	peak



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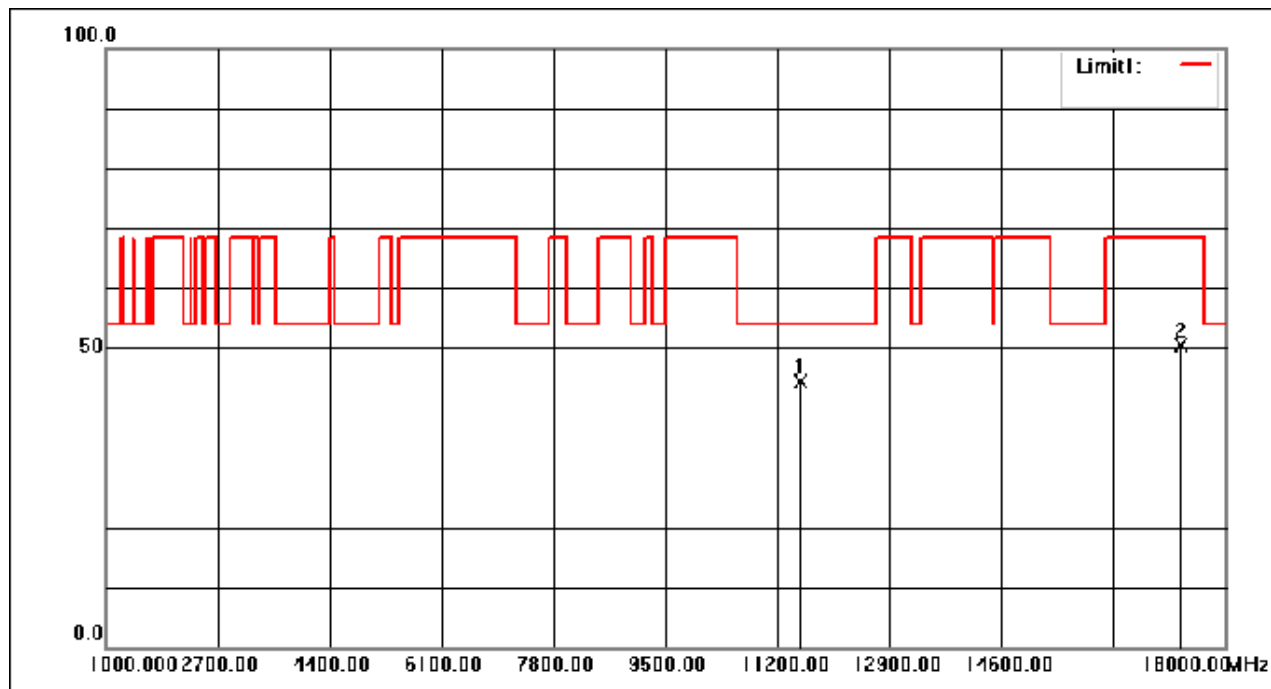
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency (MHz)	Reading ()	Correction factor()	Result ()	Limit ()	Margin (dB)	Remark
1	11550.000	46.57	-2.31	44.26	54.00	-9.74	peak
2	17325.000	50.72	-0.27	50.45	68.30	-17.85	peak



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**7.8 Radiated Emissions which fall in the restricted bands**

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; 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

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.



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### 7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1006 mbar

Test mode: e:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

h:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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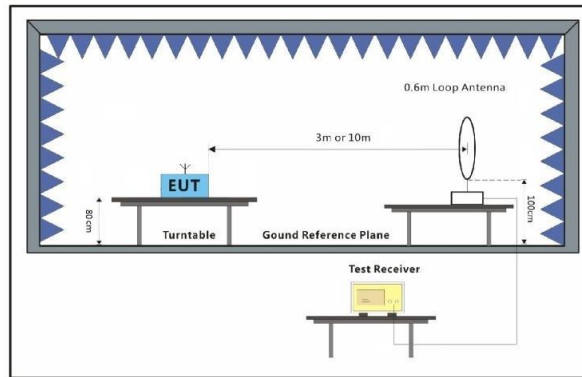
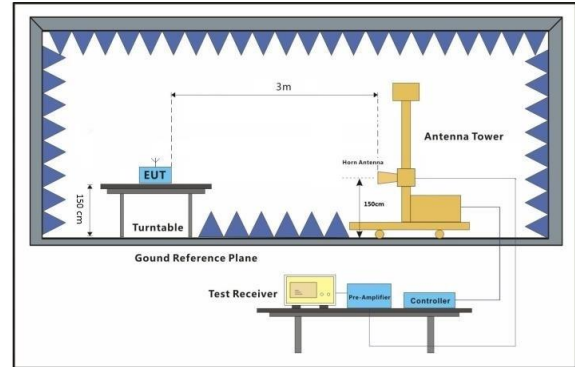
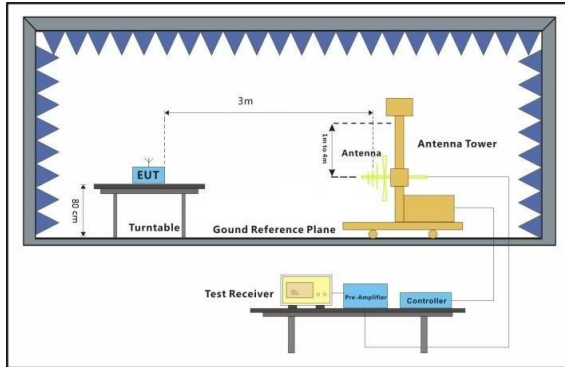
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## 7.8.2 Test Setup Diagram



### 7.8.3 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: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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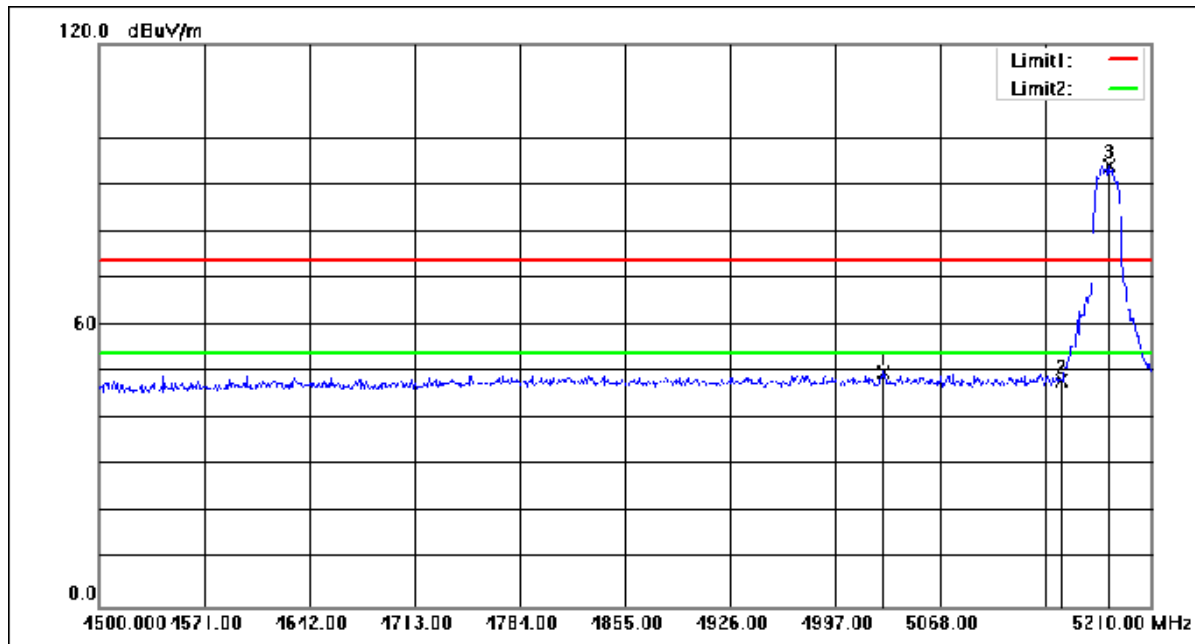
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Mode:e; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5029.660	51.76	-1.66	50.10	74.00	-23.90	peak
2	5150.000	49.44	-1.43	48.01	74.00	-25.99	peak
3	5181.600	95.32	-1.38	93.94	74.00	19.94	peak



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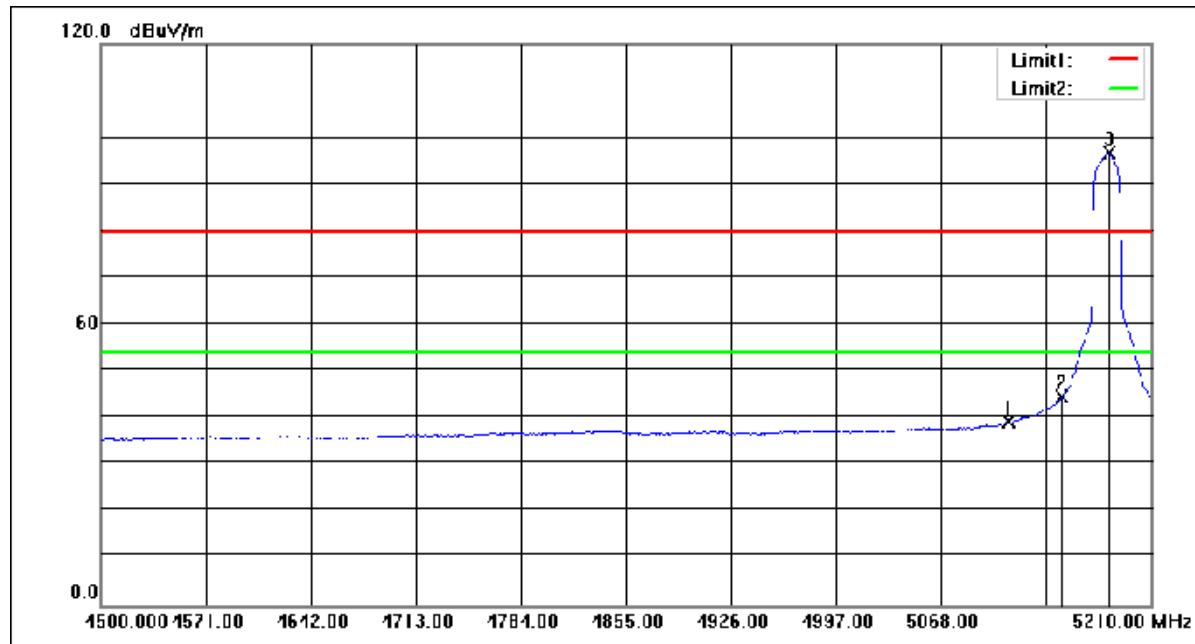
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Mode:e; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5114.150	38.08	1.03	39.11	54.00	-14.89	AVG
2	5150.000	43.39	1.05	44.44	54.00	-9.56	AVG
3	5181.600	95.57	1.07	96.64	54.00	42.64	AVG



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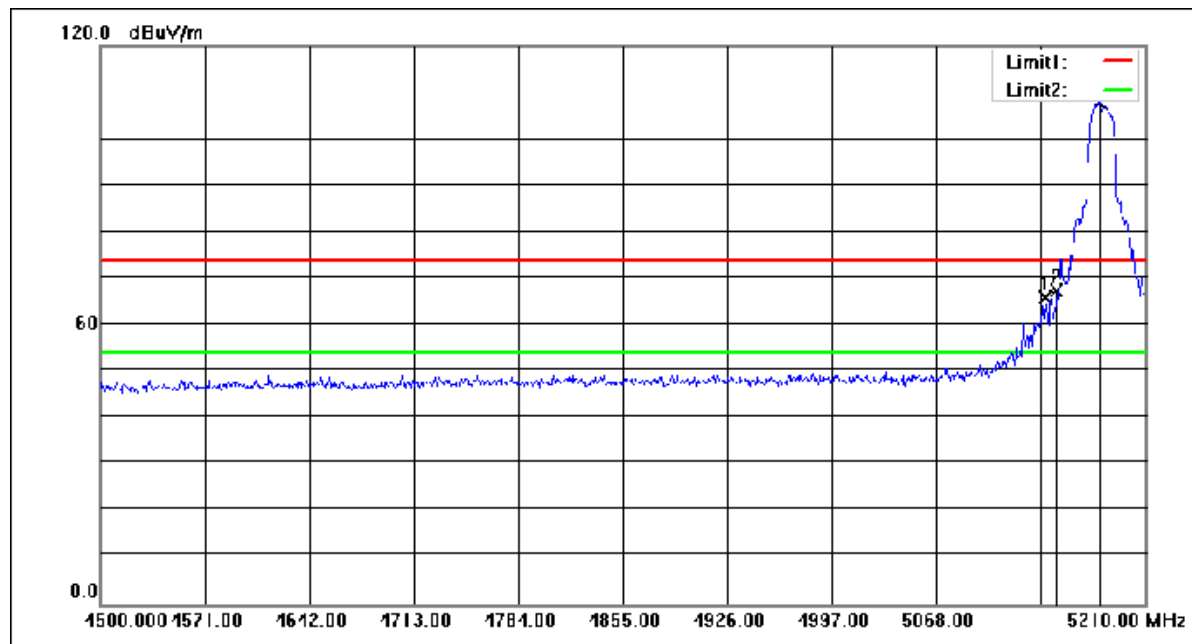
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Mode:e; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5141.840	67.42	-1.45	65.97	74.00	-8.03	peak
2	5150.000	68.84	-1.43	67.41	74.00	-6.59	peak
3	5179.470	109.35	-1.38	107.97	74.00	33.97	peak



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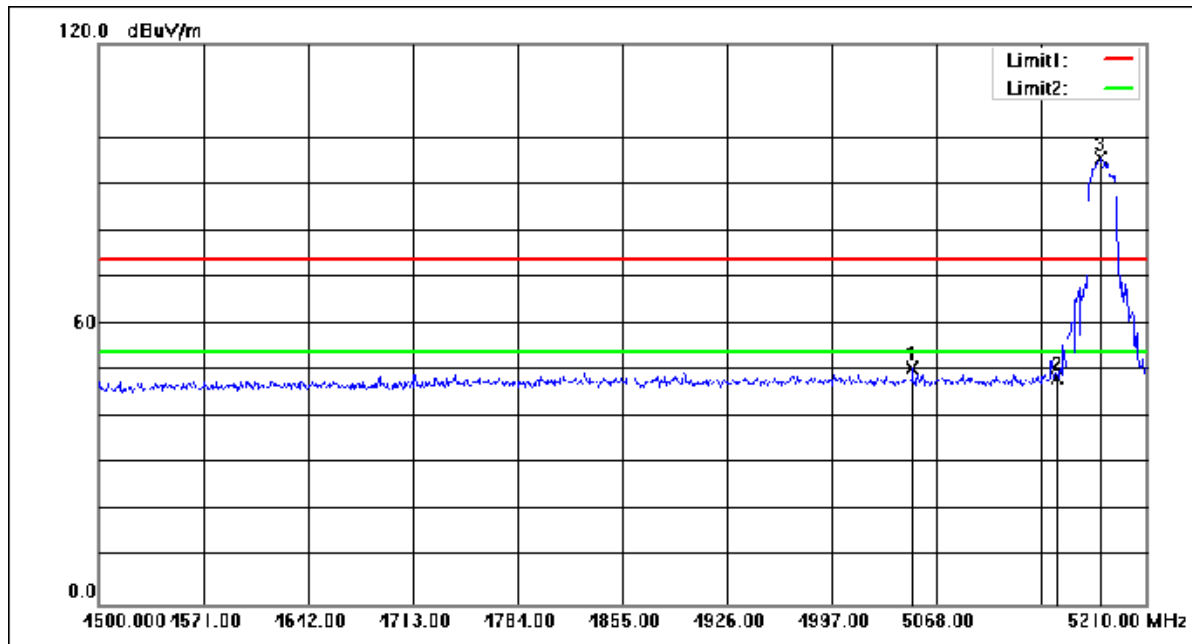
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5051.670	52.07	-1.61	50.46	74.00	-23.54	peak
2	5150.000	49.75	-1.43	48.32	74.00	-25.68	peak
3	5179.470	97.04	-1.38	95.66	74.00	21.66	peak



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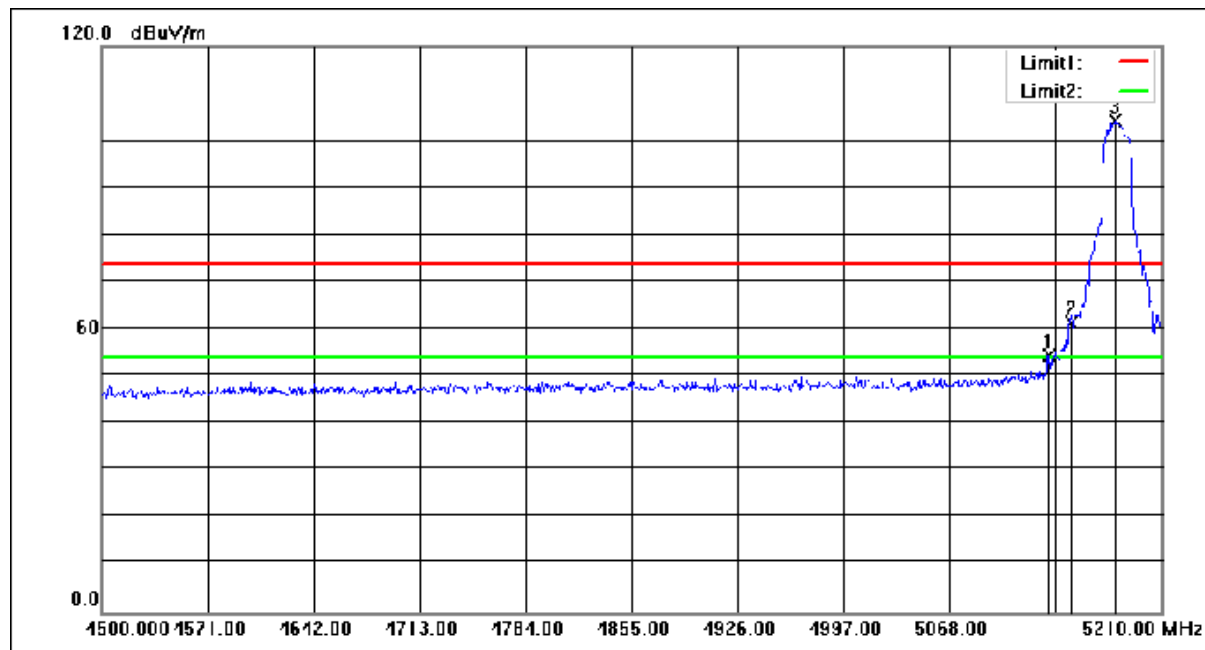
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5134.740	55.90	-1.46	54.44	74.00	-19.56	peak
2	5150.000	62.81	-1.43	61.38	74.00	-12.62	peak
3	5178.760	105.53	-1.38	104.15	74.00	30.15	peak



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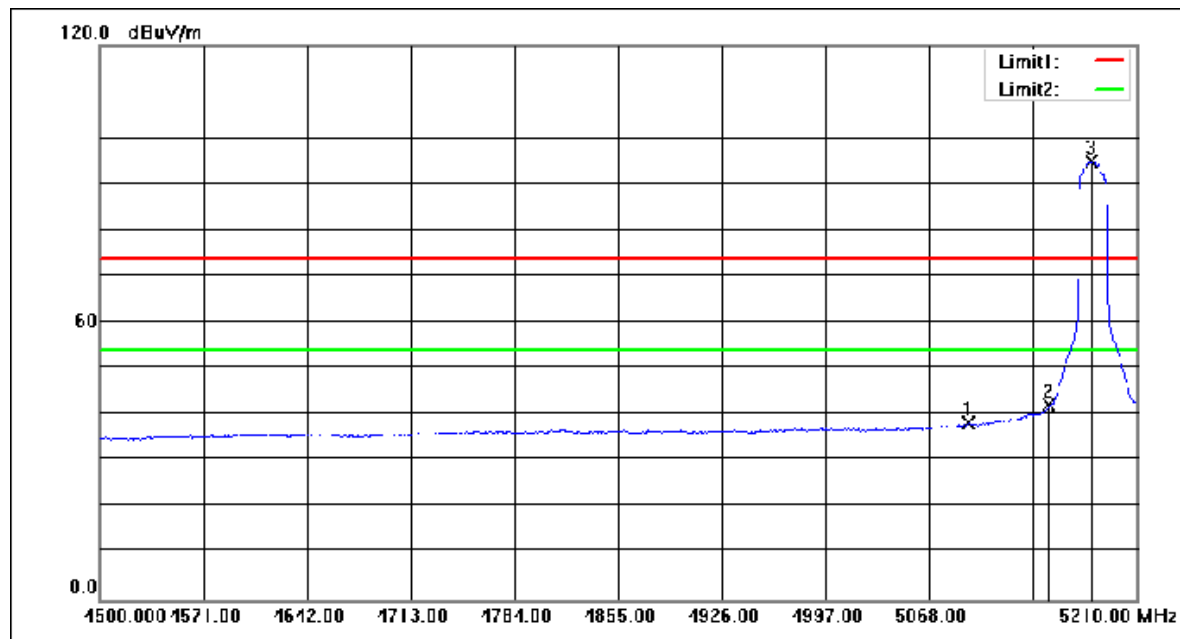
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5094.980	39.69	-1.53	38.16	54.00	-15.84	AVG
2	5150.000	43.70	-1.43	42.27	54.00	-11.73	AVG
3	5178.760	96.46	-1.38	95.08	54.00	41.08	AVG



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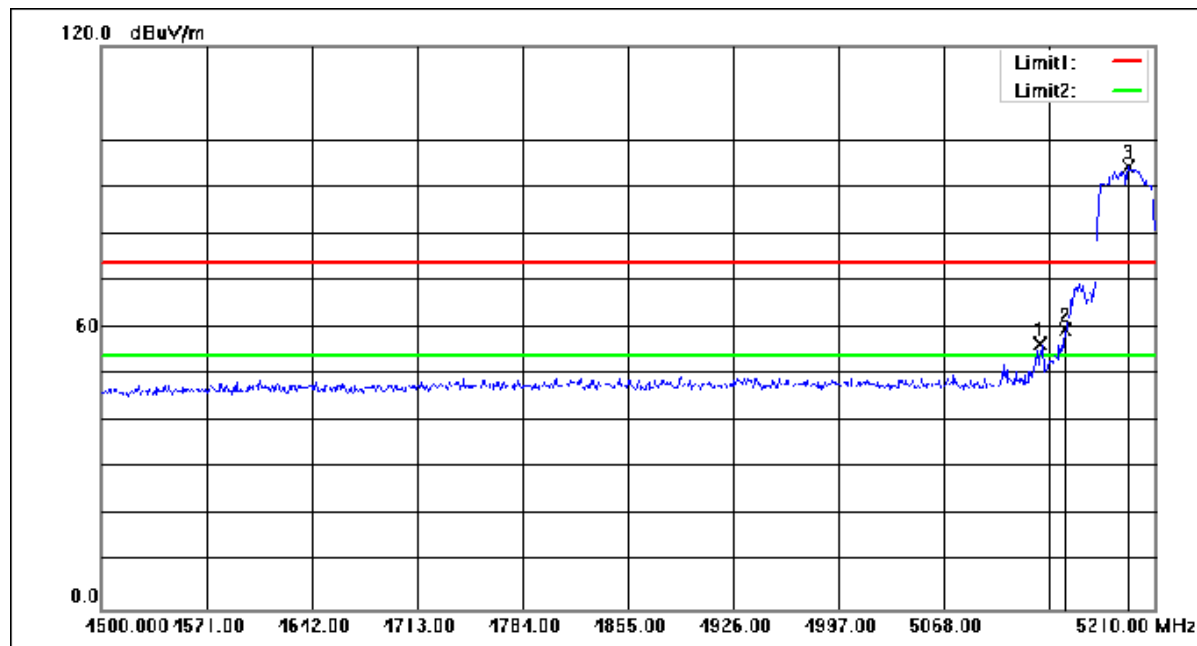
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5132.610	57.97	-1.47	56.50	74.00	-17.50	peak
2	5150.000	60.98	-1.43	59.55	74.00	-14.45	peak
3	5192.250	95.57	-1.36	94.21	74.00	20.21	peak



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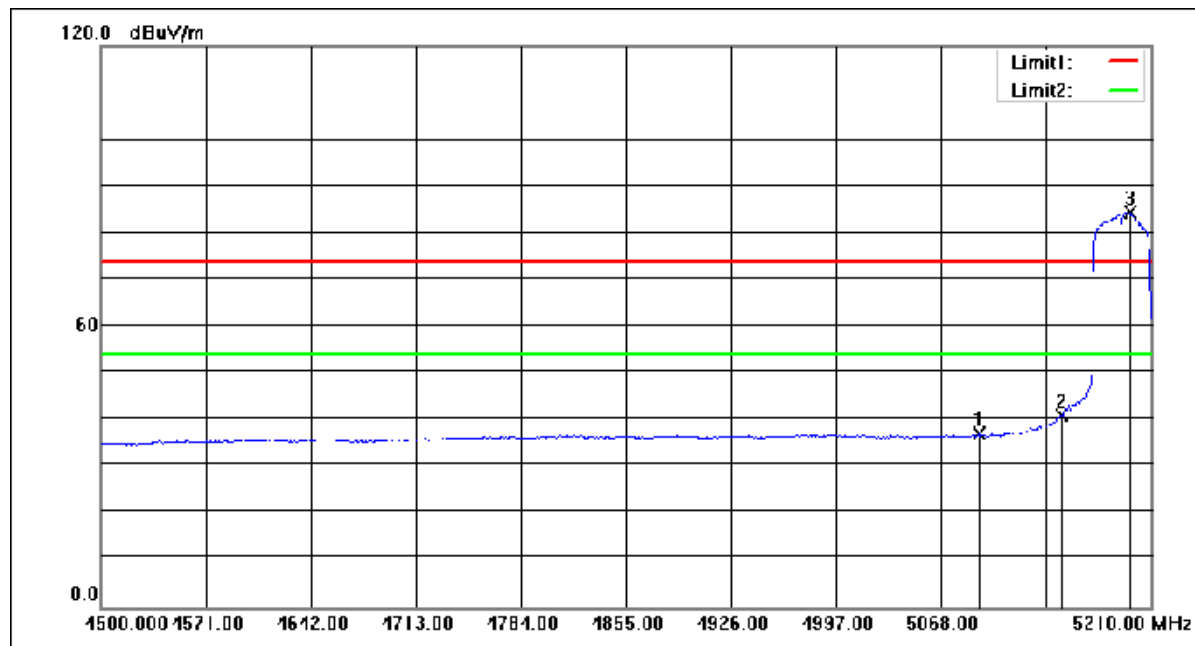
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5094.270	38.46	-1.54	36.92	54.00	-17.08	AVG
2	5150.000	42.34	-1.43	40.91	54.00	-13.09	AVG
3	5195.800	85.82	-1.35	84.47	54.00	30.47	AVG



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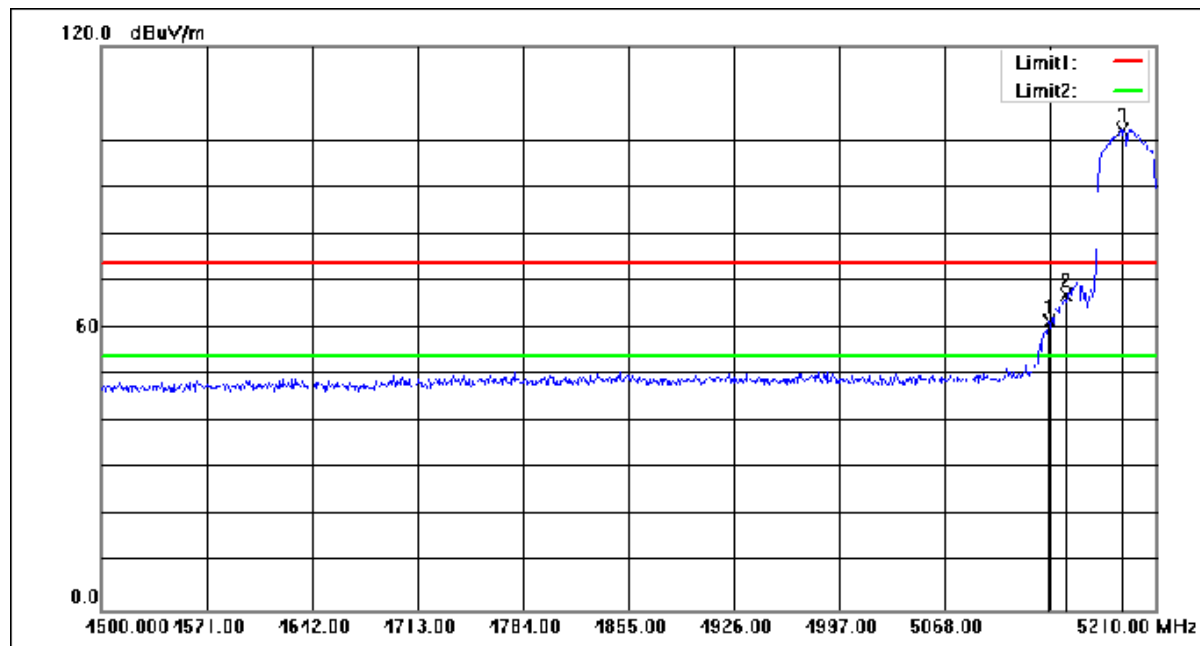
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5138.290	60.23	1.05	61.28	74.00	-12.72	peak
2	5150.000	66.08	1.05	67.13	74.00	-6.87	peak
3	5187.990	101.13	1.08	102.21	74.00	28.21	peak



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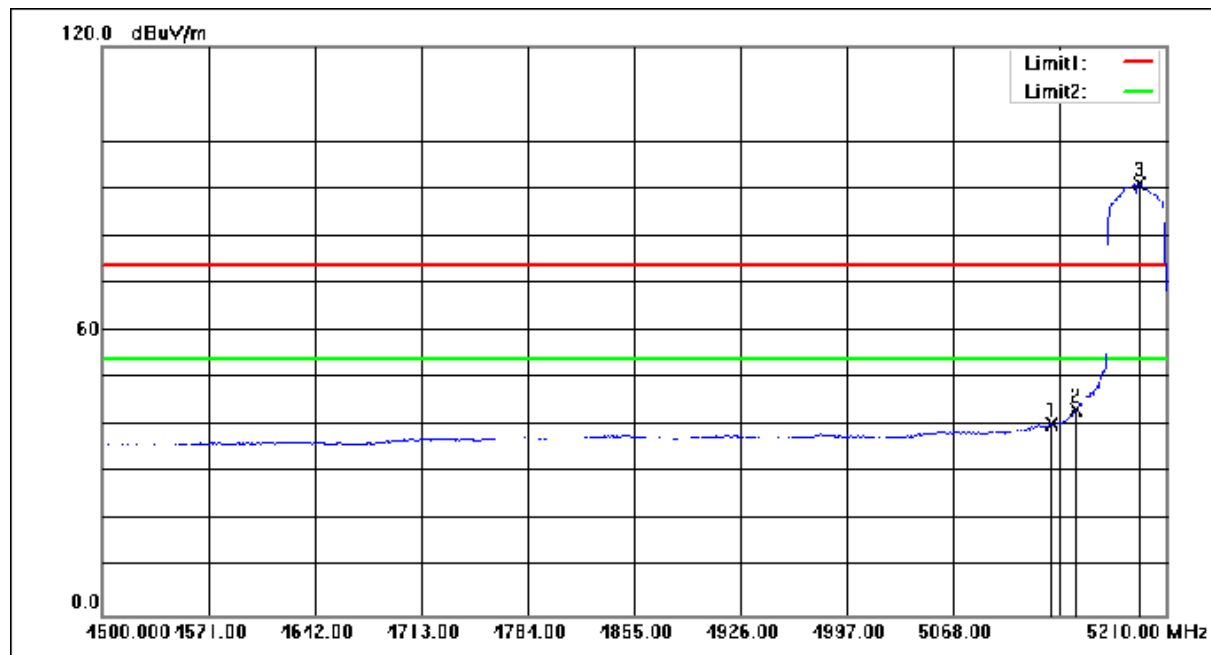
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5134.030	39.22	1.04	40.26	54.00	-13.74	AVG
2	5150.000	42.21	1.05	43.26	54.00	-10.74	AVG
3	5192.250	90.00	1.08	91.08	54.00	37.08	AVG



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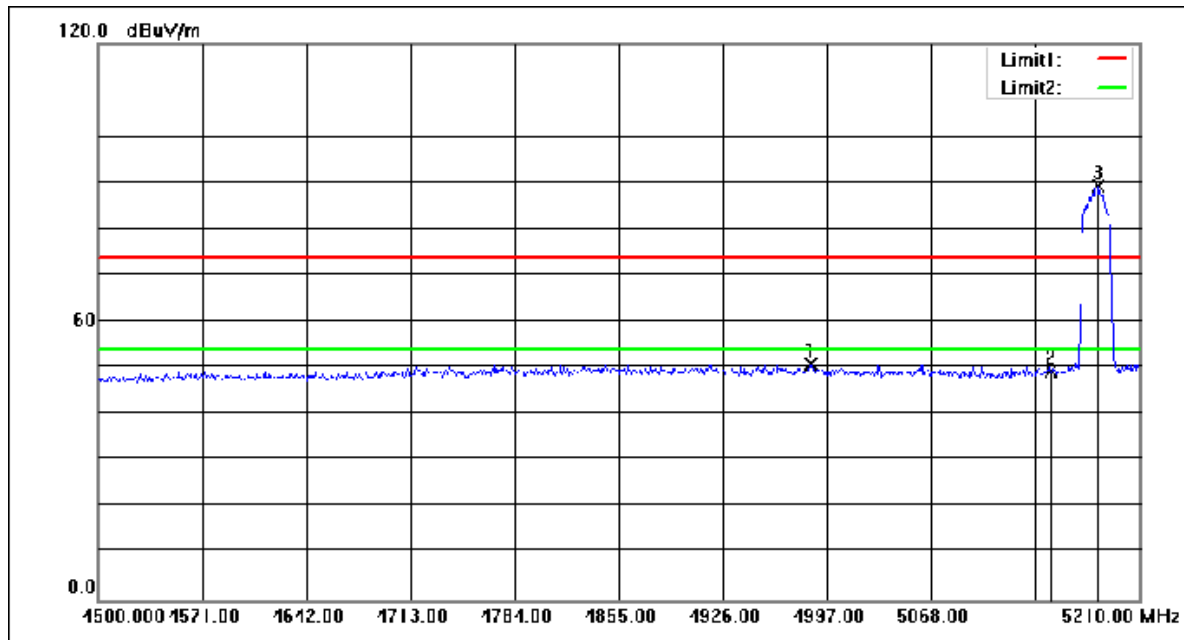
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4986.350	49.99	0.93	50.92	74.00	-23.08	peak
2	5150.000	48.38	1.05	49.43	74.00	-24.57	peak
3	5182.310	88.21	1.07	89.28	74.00	15.28	peak



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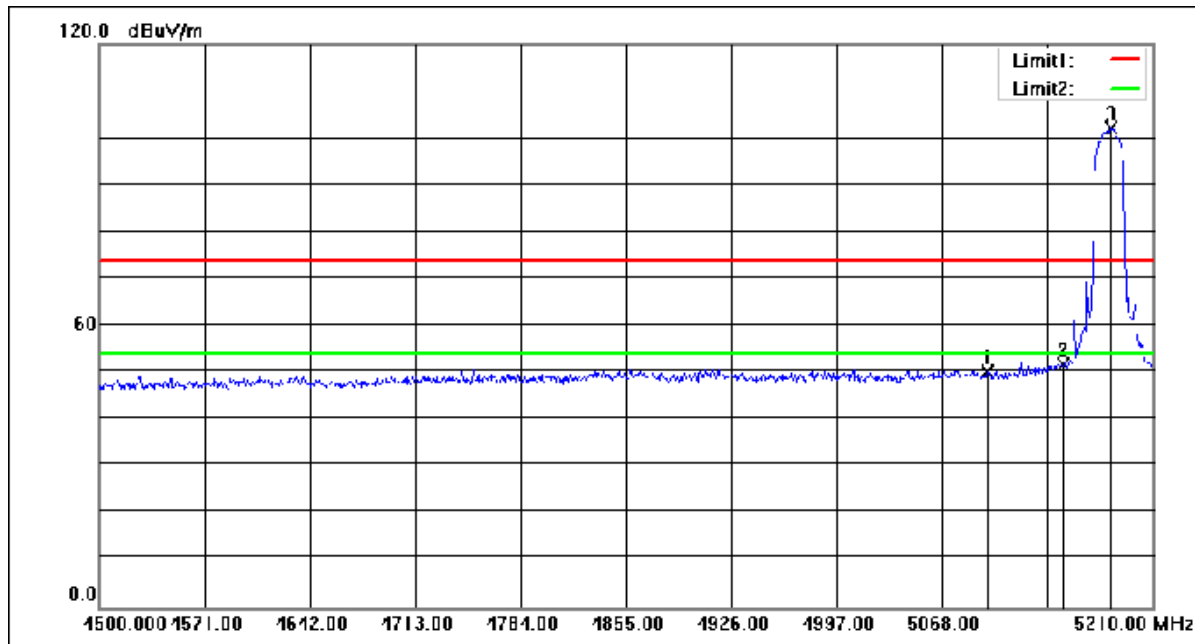
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5098.530	49.34	1.02	50.36	74.00	-23.64	peak
2	5150.000	50.79	1.05	51.84	74.00	-22.16	peak
3	5182.310	101.03	1.07	102.10	74.00	28.10	peak



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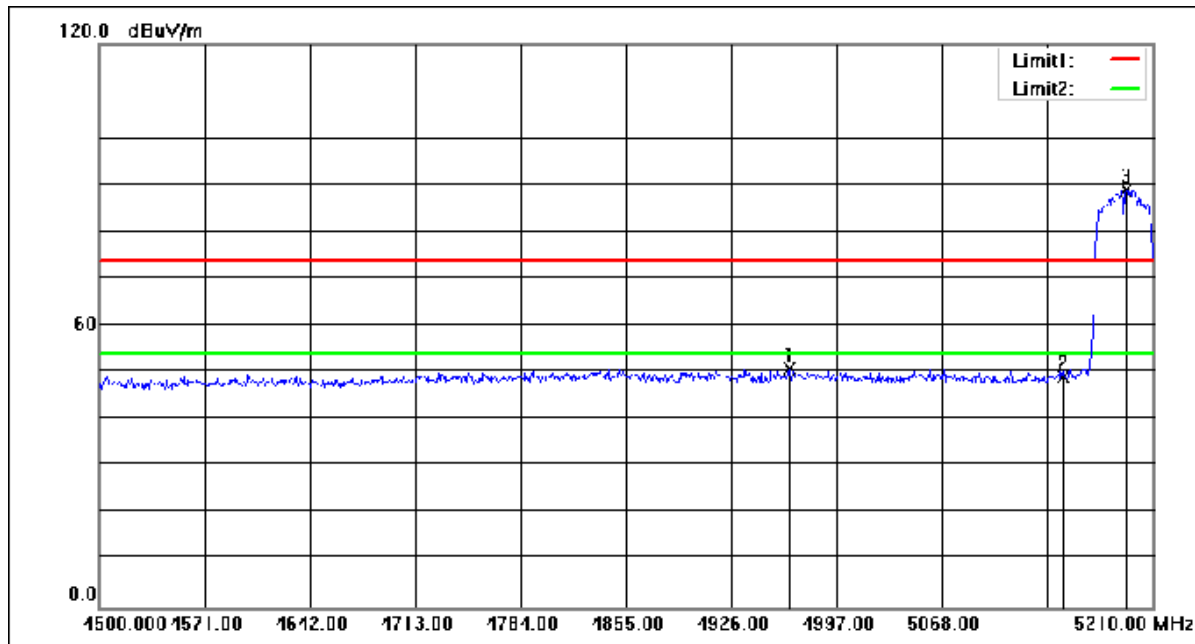
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4965.050	49.86	0.88	50.74	74.00	-23.26	peak
2	5150.000	47.96	1.05	49.01	74.00	-24.99	peak
3	5192.250	87.96	1.08	89.04	74.00	15.04	peak



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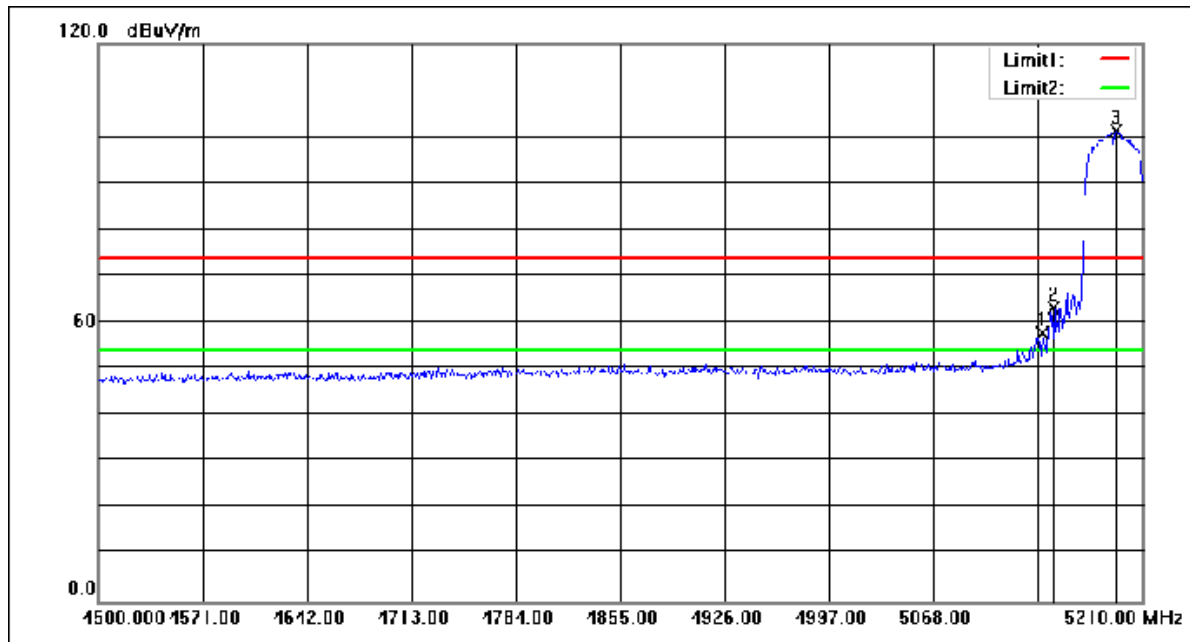
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5141.840	56.84	1.05	57.89	74.00	-16.11	peak
2	5150.000	62.00	1.05	63.05	74.00	-10.95	peak
3	5192.250	100.26	1.08	101.34	74.00	27.34	peak



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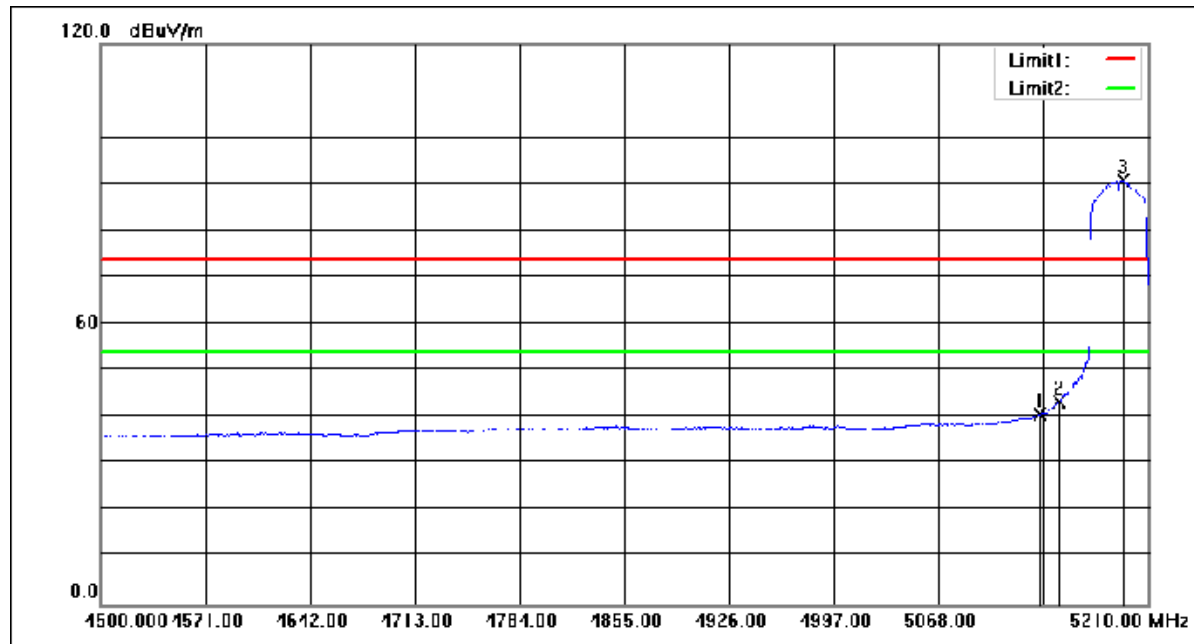
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5136.870	39.56	1.04	40.60	54.00	-13.40	AVG
2	5150.000	42.42	1.05	43.47	54.00	-10.53	AVG
3	5192.960	89.73	1.08	90.81	54.00	36.81	AVG



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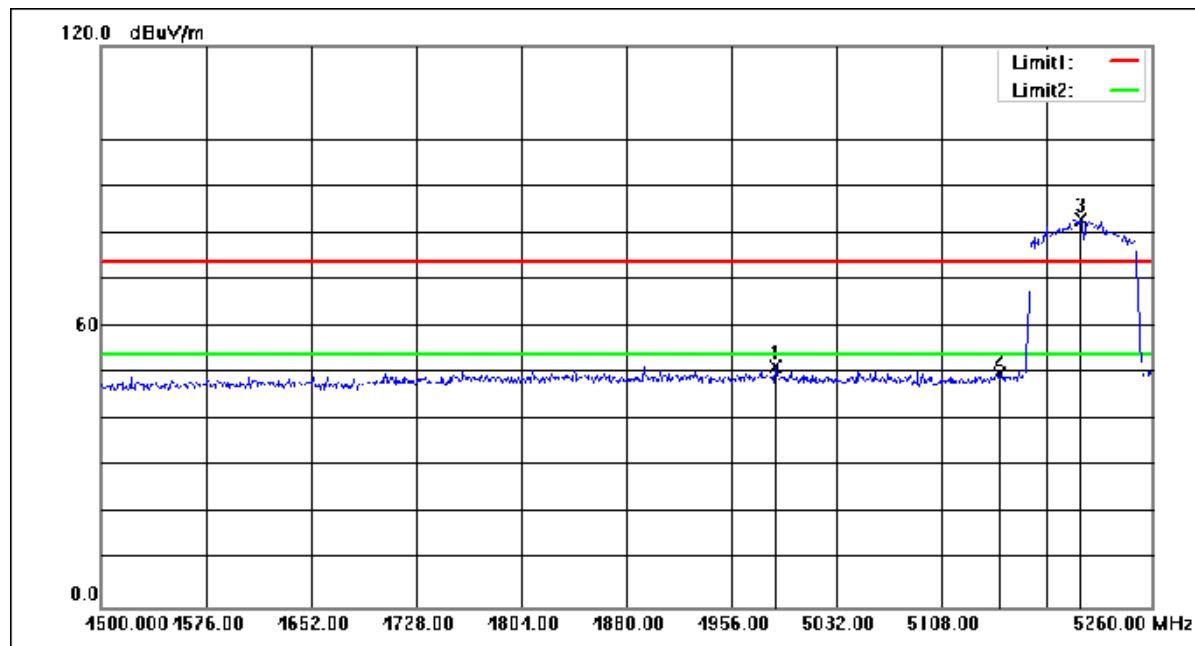
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4987.920	50.55	0.93	51.48	74.00	-22.52	peak
2	5150.000	48.80	1.05	49.85	74.00	-24.15	peak
3	5209.080	81.90	1.09	82.99	74.00	8.99	peak



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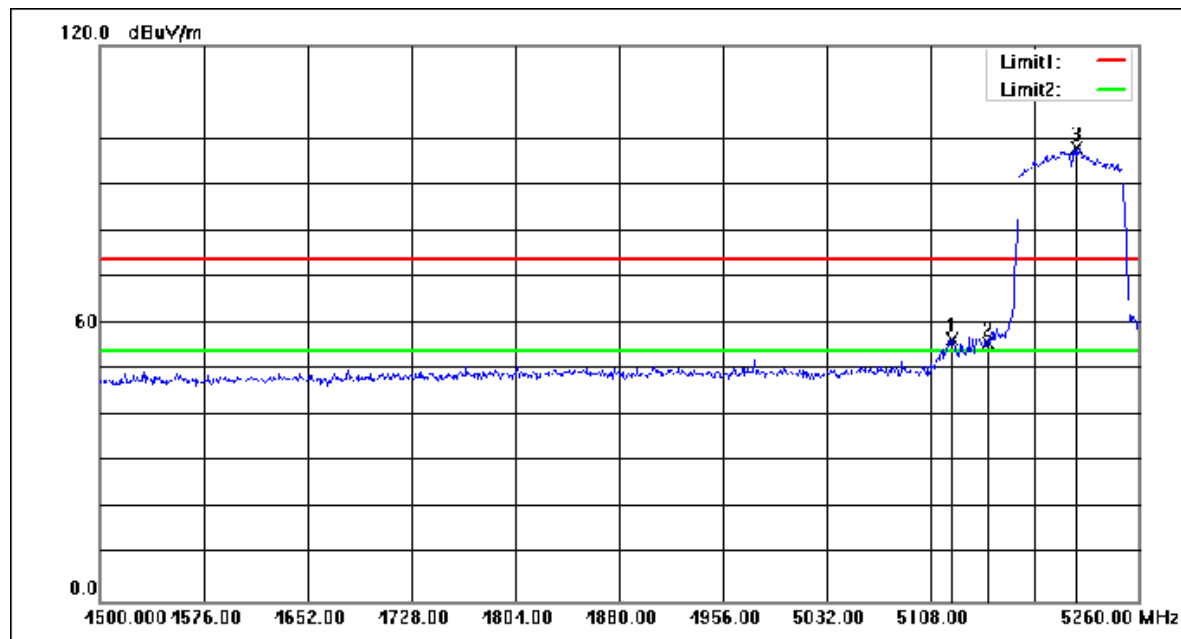
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t(86-512)57355888 f(86-512)57370818 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Mode:e; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5123.960	55.65	1.04	56.69	74.00	-17.31	peak
2	5150.000	54.63	1.05	55.68	74.00	-18.32	peak
3	5214.400	96.98	1.09	98.07	74.00	24.07	peak



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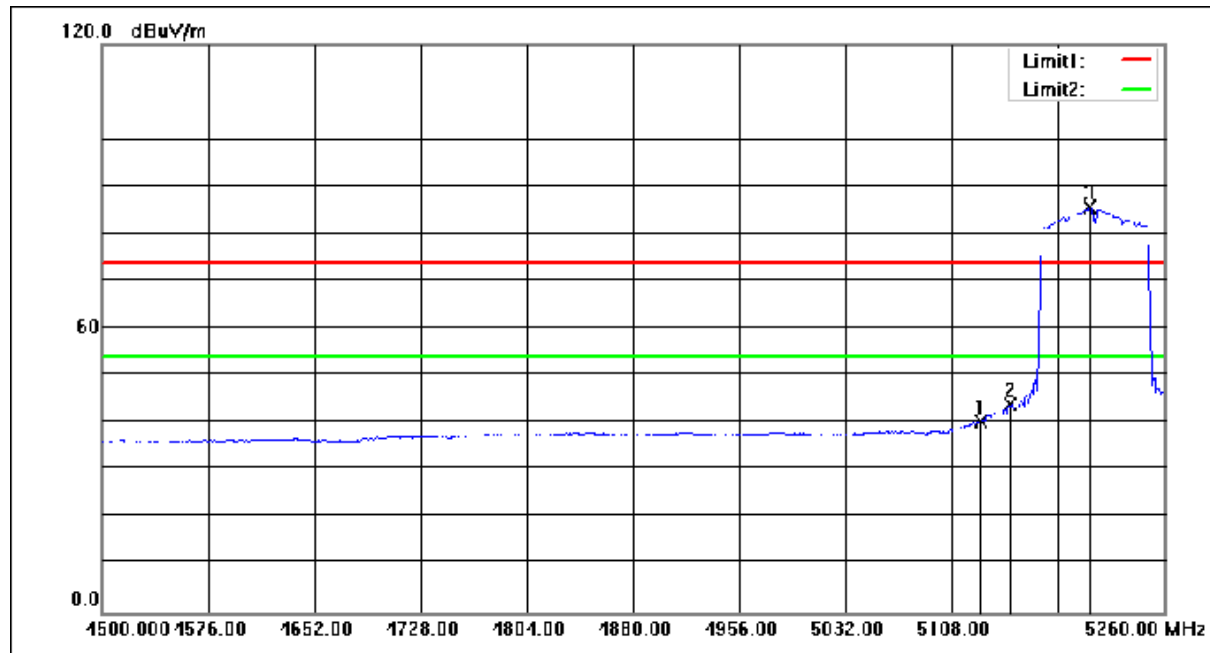
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5128.520	39.37	1.04	40.41	54.00	-13.59	AVG
2	5150.000	42.84	1.05	43.89	54.00	-10.11	AVG
3	5206.800	84.44	1.09	85.53	54.00	31.53	AVG



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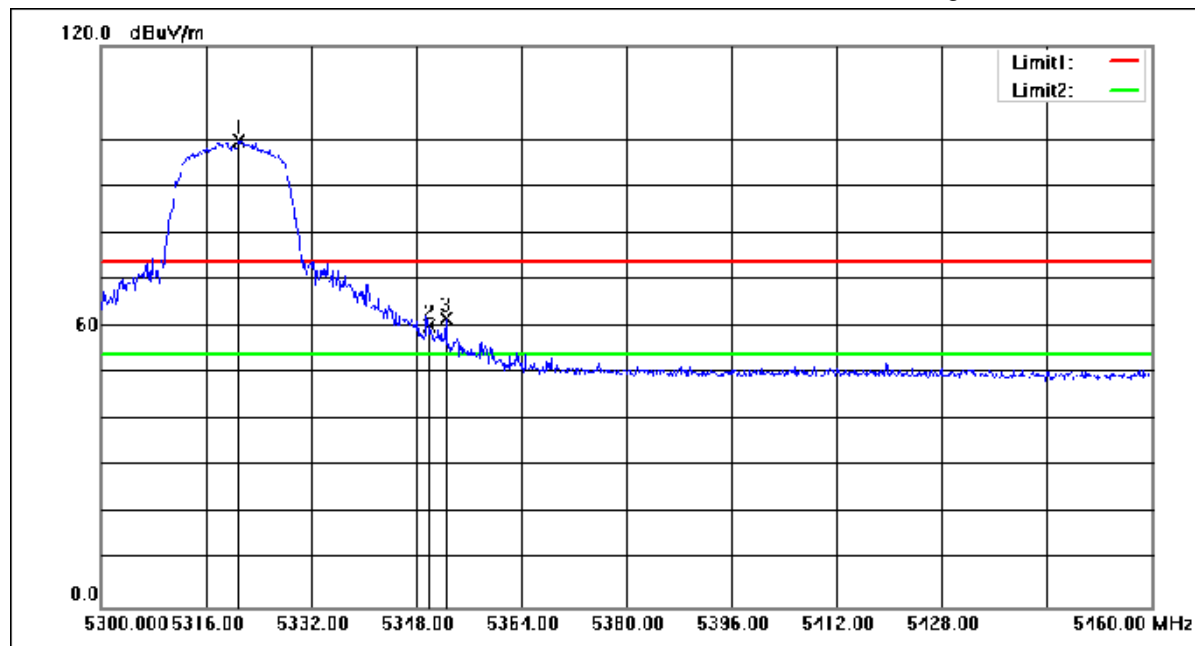
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Mode:f; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5320.960	100.89	-1.12	99.77	74.00	25.77	peak
2	5350.000	61.13	-1.07	60.06	74.00	-13.94	peak
3	5352.480	62.69	-1.06	61.63	74.00	-12.37	peak



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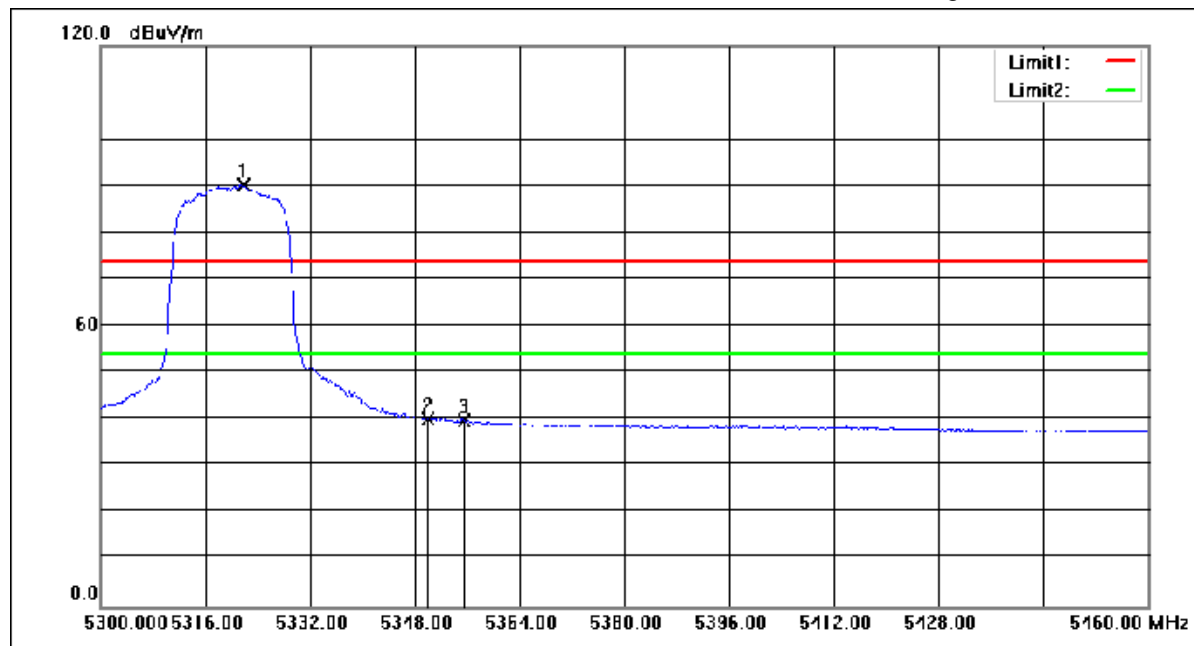
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Mode:f; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.920	91.25	-1.12	90.13	54.00	36.13	AVG
2	5350.000	41.16	-1.07	40.09	54.00	-13.91	AVG
3	5355.520	40.72	-1.06	39.66	54.00	-14.34	AVG



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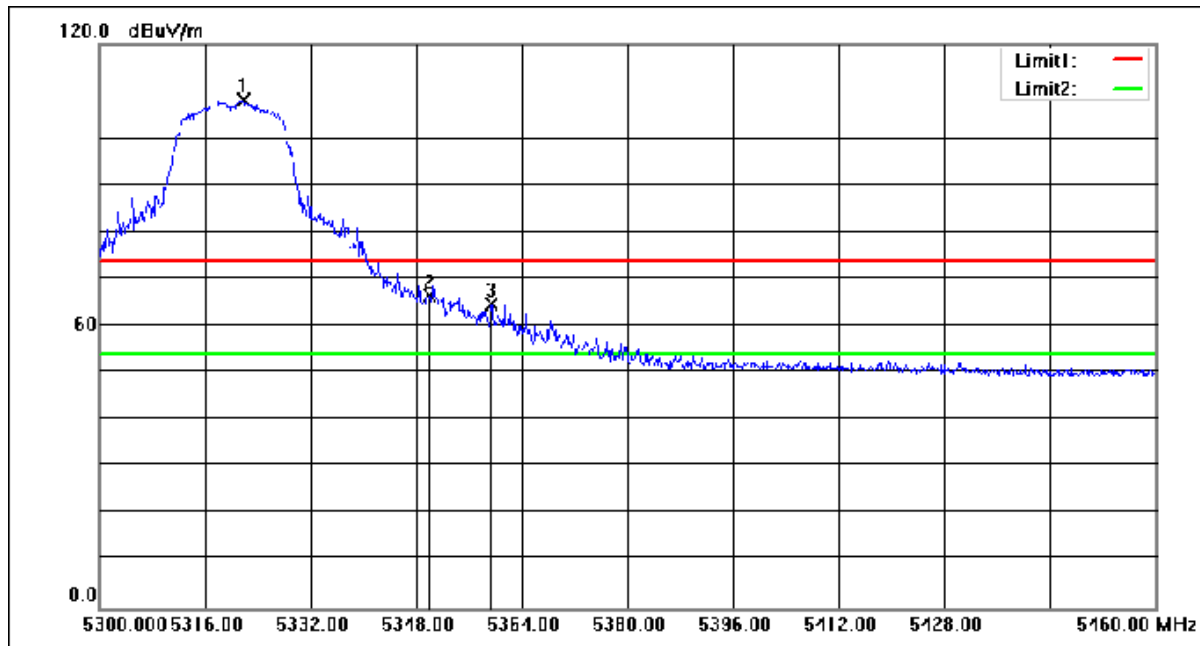
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Mode:f; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.920	109.15	-1.12	108.03	74.00	34.03	peak
2	5350.000	67.38	-1.07	66.31	74.00	-7.69	peak
3	5359.360	65.71	-1.05	64.66	74.00	-9.34	peak



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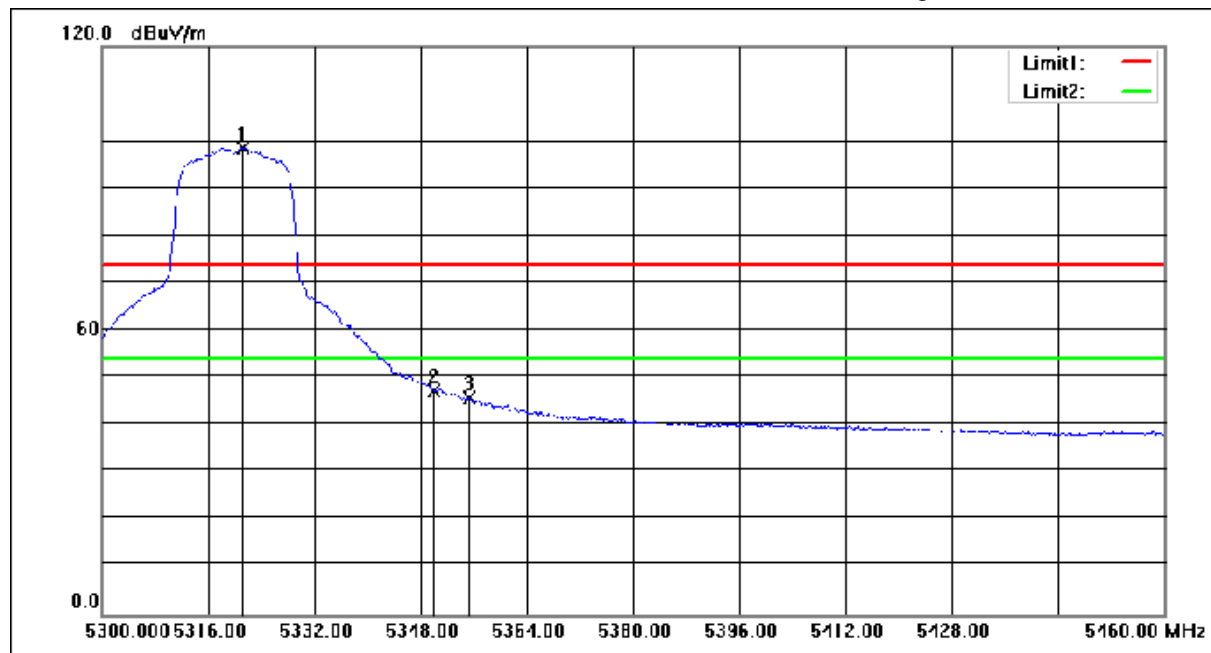
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Mode:f; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.120	99.80	-1.12	98.68	54.00	44.68	AVG
2	5350.000	48.23	-1.07	47.16	54.00	-6.84	AVG
3	5355.360	46.80	-1.06	45.74	54.00	-8.26	AVG



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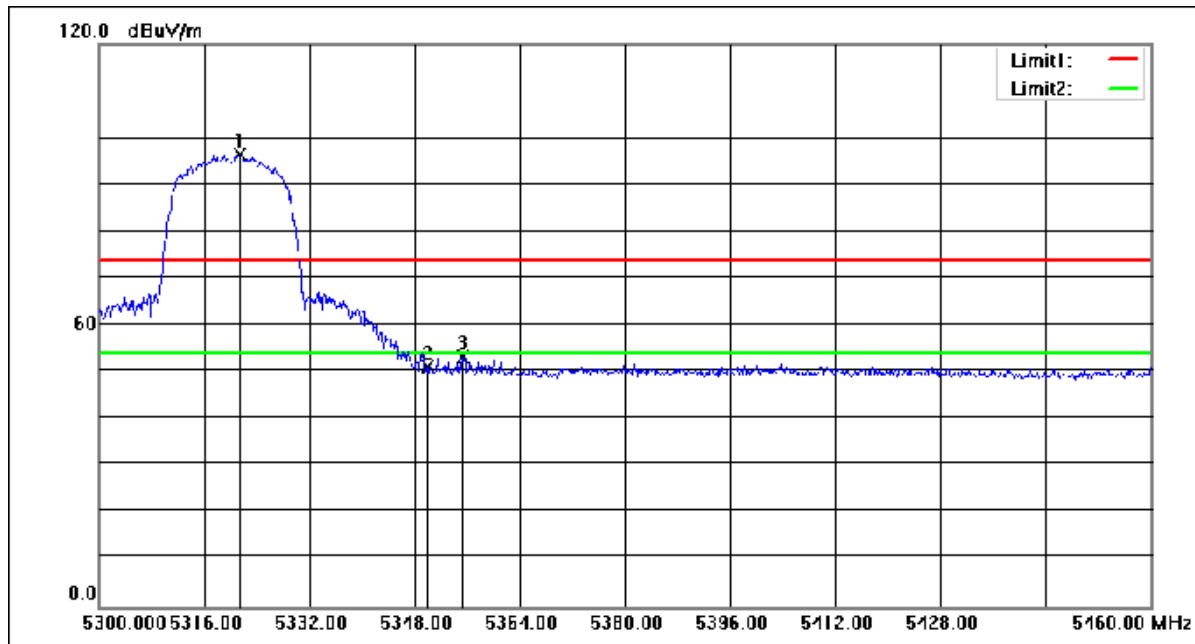
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Mode:f; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.440	97.66	-1.12	96.54	74.00	22.54	peak
2	5350.000	52.09	-1.07	51.02	74.00	-22.98	peak
3	5355.360	54.22	-1.06	53.16	74.00	-20.84	peak



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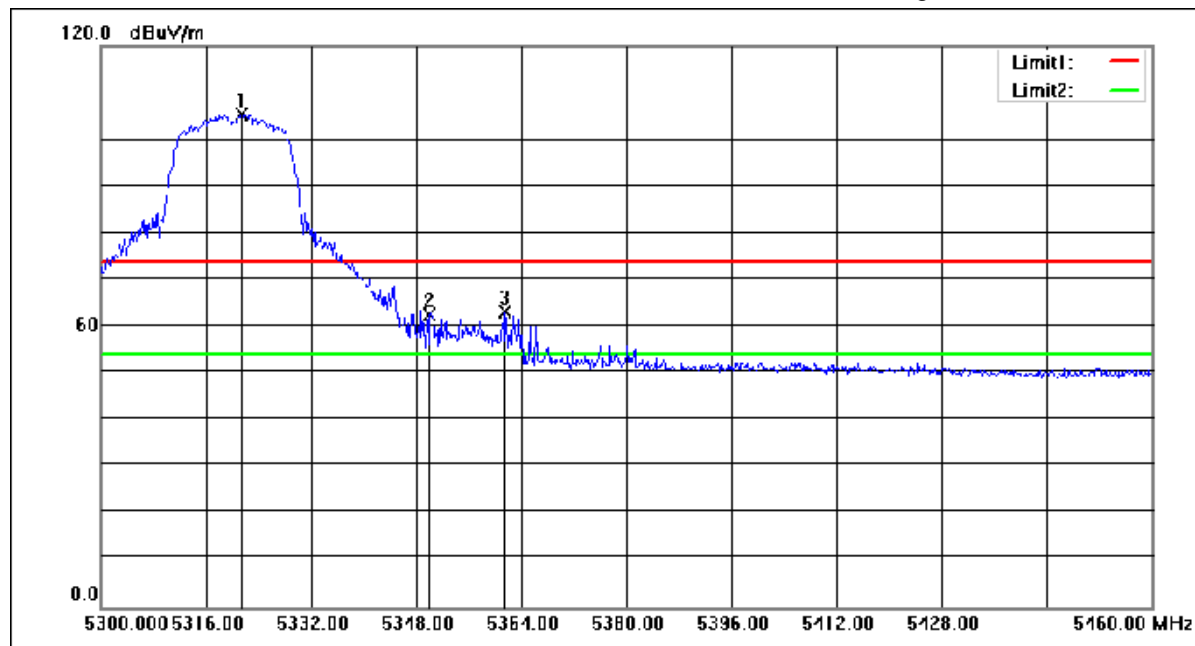
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Mode:f; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.440	106.65	-1.12	105.53	74.00	31.53	peak
2	5350.000	63.57	-1.07	62.50	74.00	-11.50	peak
3	5361.440	64.14	-1.04	63.10	74.00	-10.90	peak



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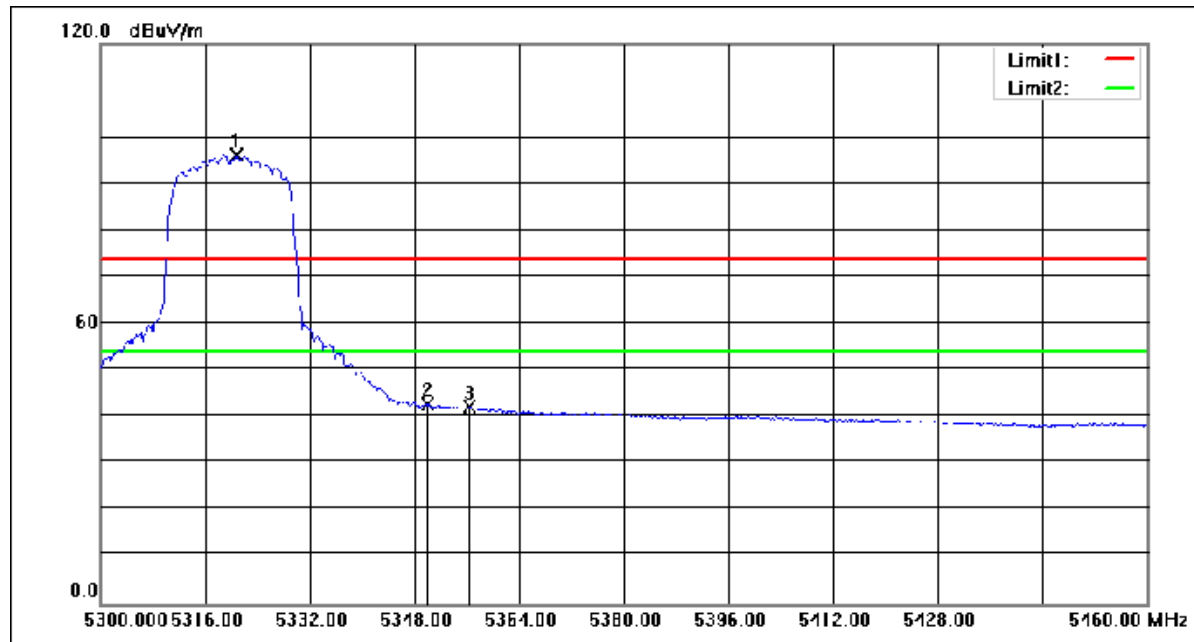
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Mode:f; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5320.800	97.14	-1.12	96.02	54.00	42.02	AVG
2	5350.000	43.69	-1.07	42.62	54.00	-11.38	AVG
3	5356.480	43.13	-1.05	42.08	54.00	-11.92	AVG



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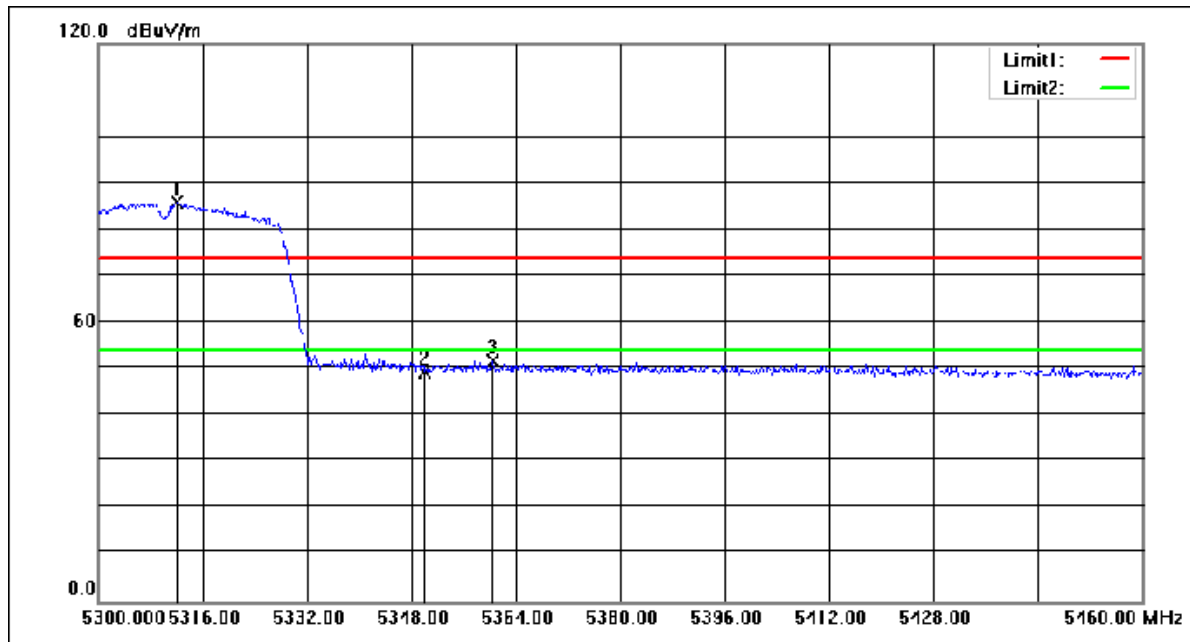
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Mode:f; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5312.000	84.89	1.15	86.04	74.00	12.04	peak
2	5350.000	48.20	1.18	49.38	74.00	-24.62	peak
3	5360.480	50.53	1.18	51.71	74.00	-22.29	peak



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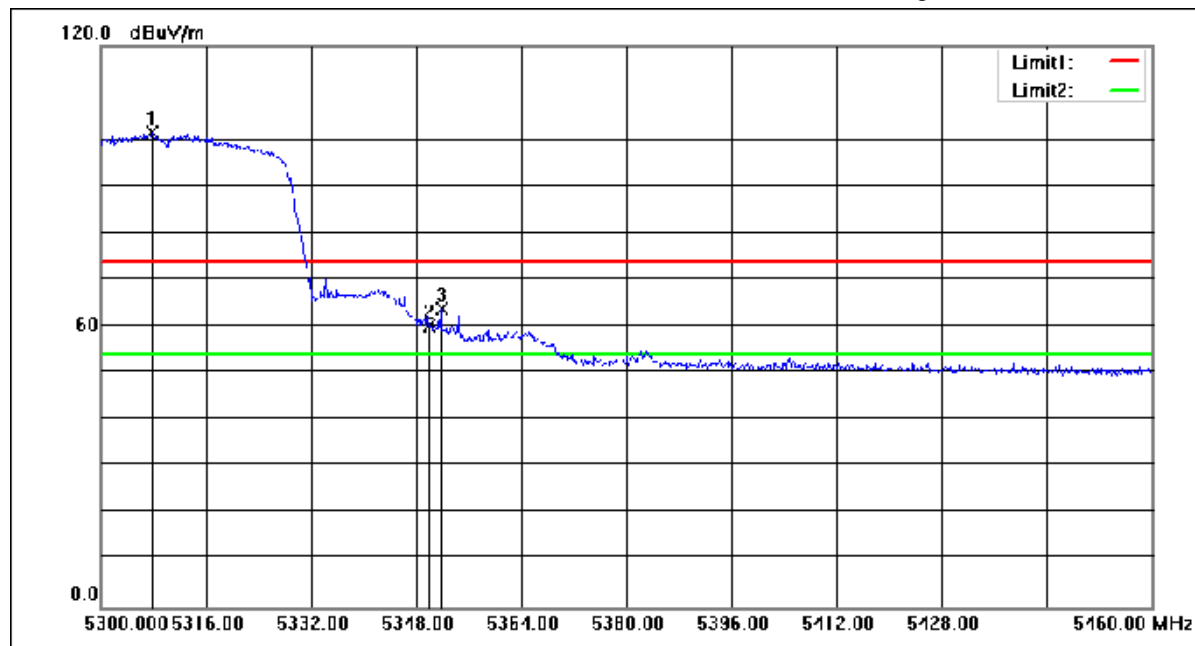
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Mode:f; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5307.840	100.25	1.15	101.40	74.00	27.40	peak
2	5350.000	58.97	1.18	60.15	74.00	-13.85	peak
3	5351.840	62.67	1.18	63.85	74.00	-10.15	peak



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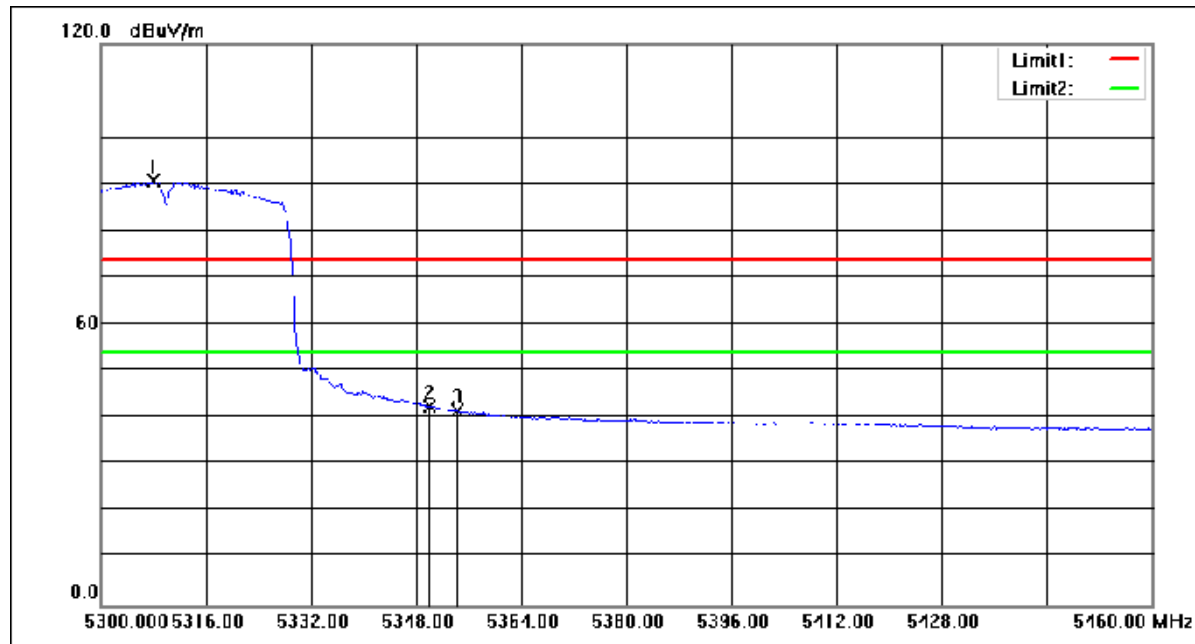
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Mode:f; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5308.000	89.48	1.15	90.63	54.00	36.63	AVG
2	5350.000	41.23	1.18	42.41	54.00	-11.59	AVG
3	5354.240	40.42	1.18	41.60	54.00	-12.40	AVG



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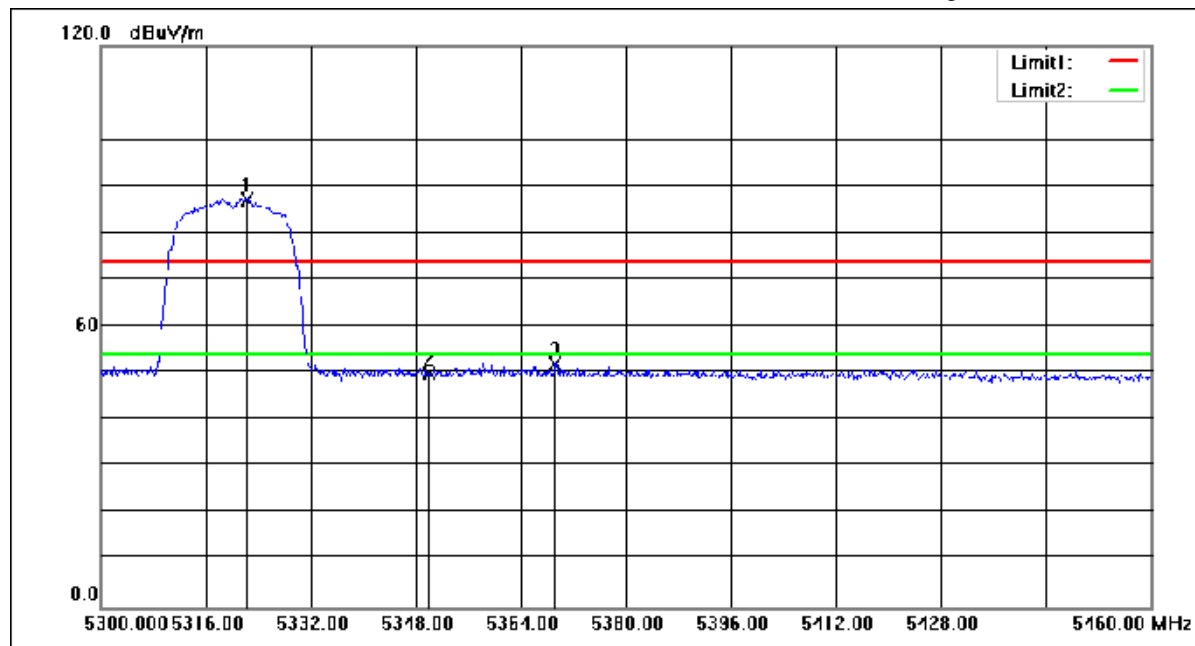
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Mode:f; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5322.240	86.08	1.16	87.24	74.00	13.24	peak
2	5350.000	48.85	1.18	50.03	74.00	-23.97	peak
3	5369.280	50.78	1.19	51.97	74.00	-22.03	peak



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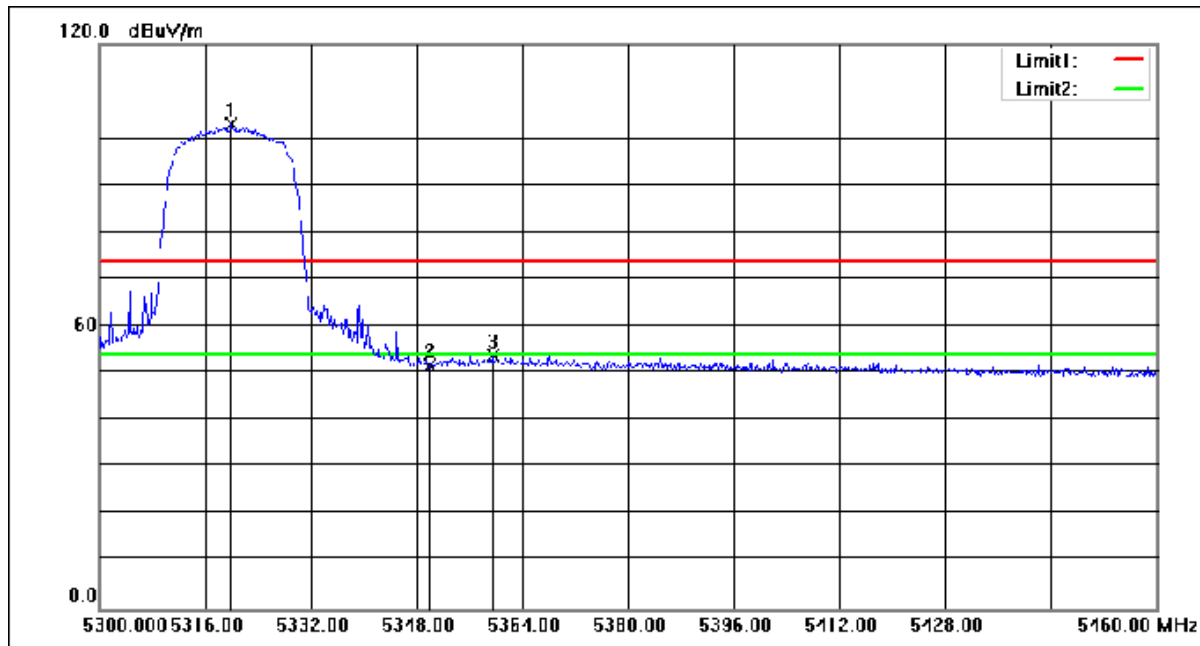
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5319.840	101.91	1.16	103.07	74.00	29.07	peak
2	5350.000	50.67	1.18	51.85	74.00	-22.15	peak
3	5359.520	52.57	1.18	53.75	74.00	-20.25	peak



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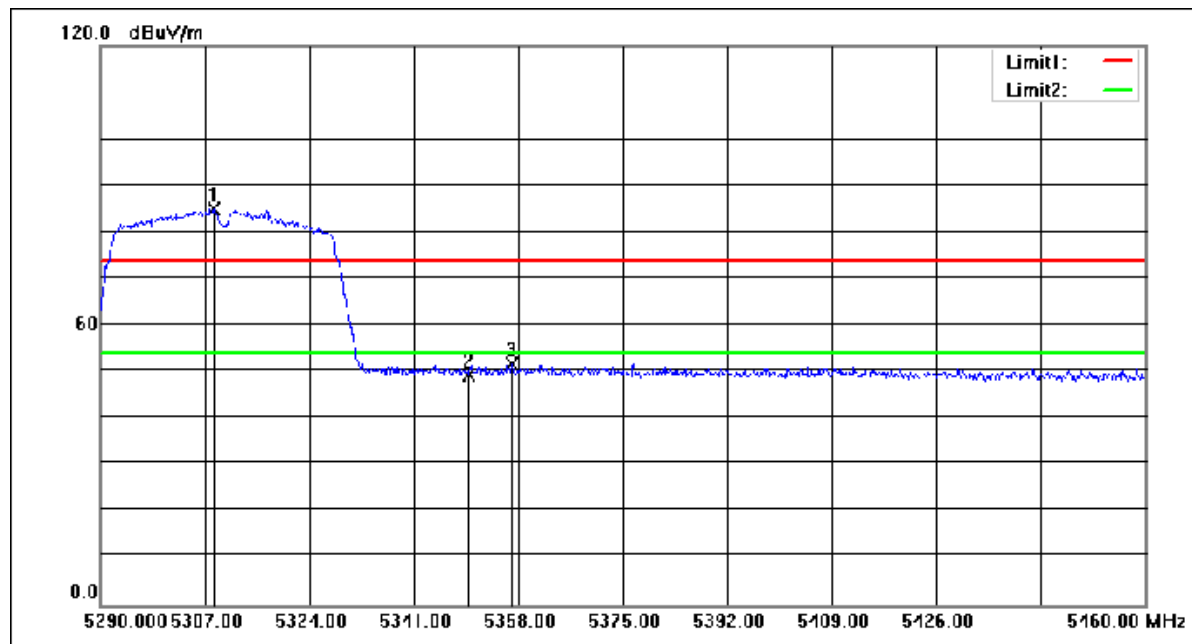
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Mode:f; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5308.360	83.83	1.15	84.98	74.00	10.98	peak
2	5350.000	48.31	1.18	49.49	74.00	-24.51	peak
3	5356.980	50.52	1.18	51.70	74.00	-22.30	peak



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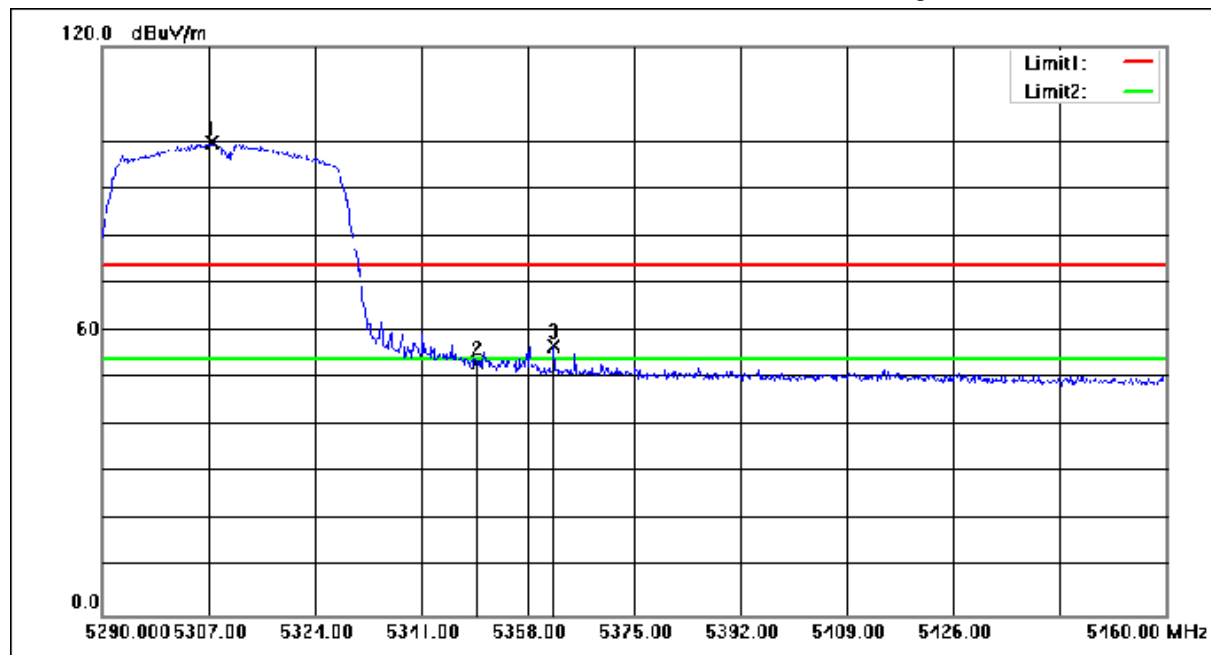
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5307.510	98.69	1.15	99.84	74.00	25.84	peak
2	5350.000	52.19	1.18	53.37	74.00	-20.63	peak
3	5362.250	55.75	1.18	56.93	74.00	-17.07	peak



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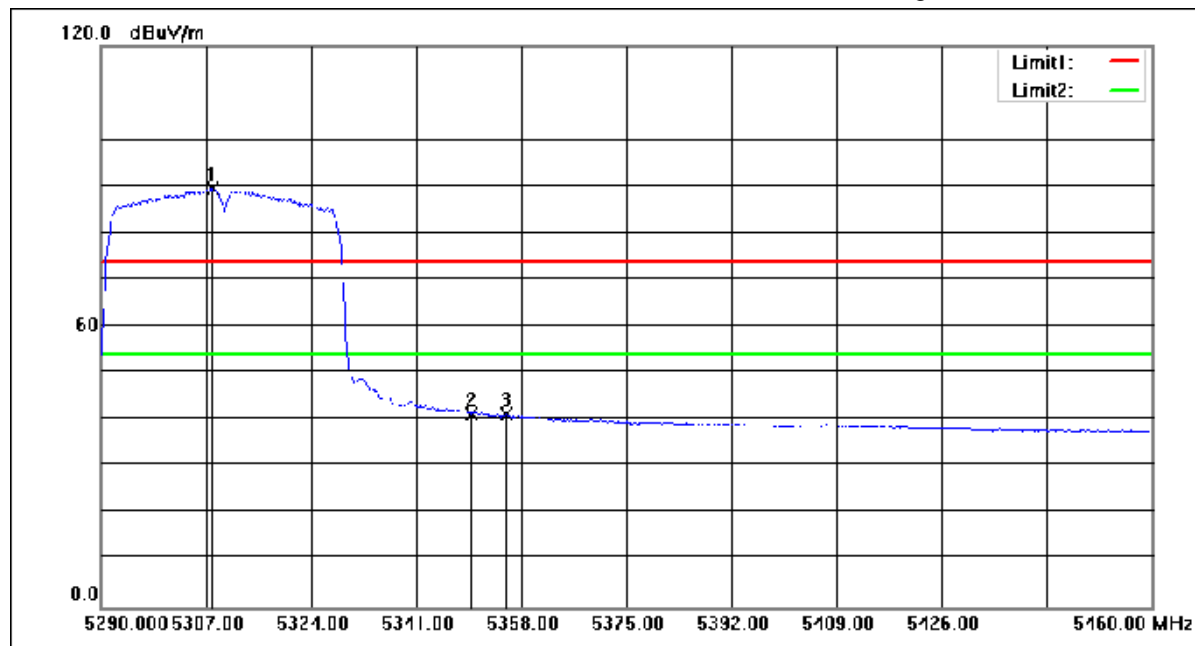
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5308.020	88.43	1.15	89.58	54.00	35.58	AVG
2	5350.000	40.18	1.18	41.36	54.00	-12.64	AVG
3	5355.620	39.98	1.18	41.16	54.00	-12.84	AVG



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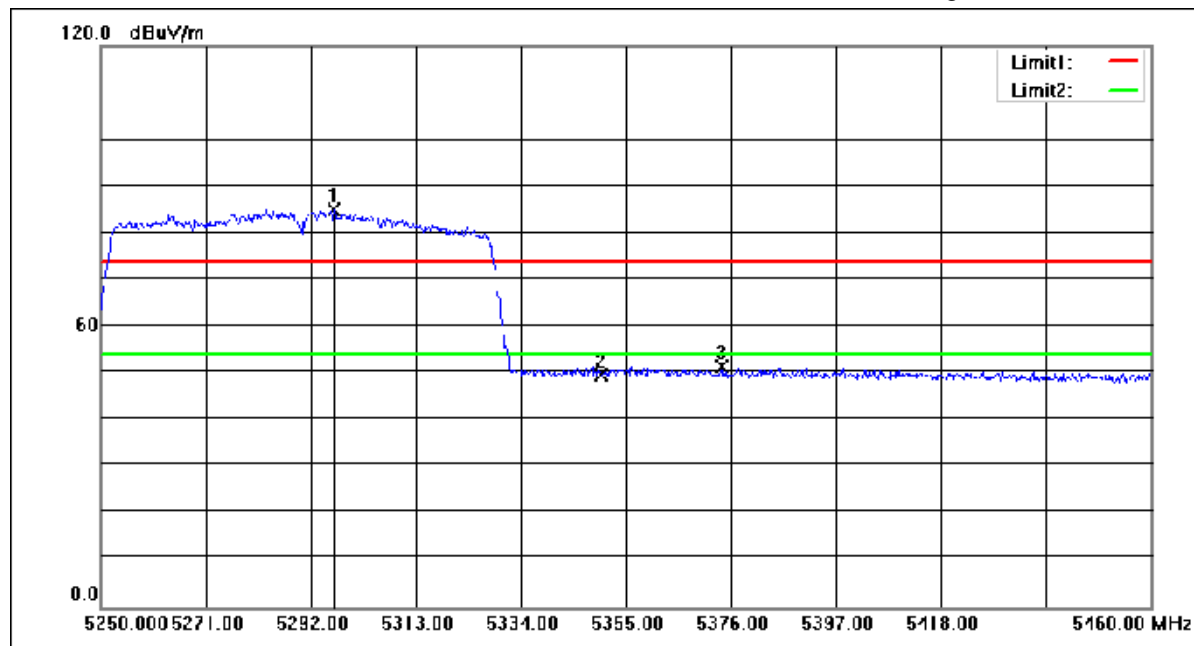
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Mode:f; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5296.620	83.85	1.14	84.99	74.00	10.99	peak
2	5350.000	48.53	1.18	49.71	74.00	-24.29	peak
3	5374.110	50.14	1.19	51.33	74.00	-22.67	peak



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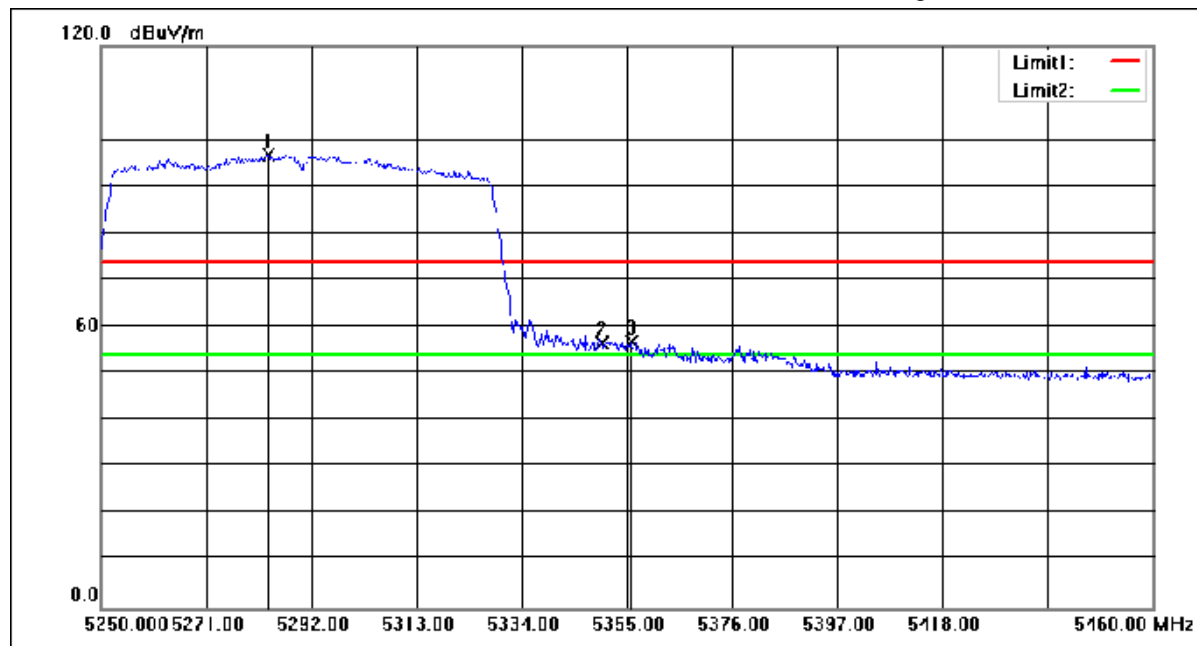
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5283.390	95.66	1.14	96.80	74.00	22.80	peak
2	5350.000	55.46	1.18	56.64	74.00	-17.36	peak
3	5355.840	55.75	1.18	56.93	74.00	-17.07	peak



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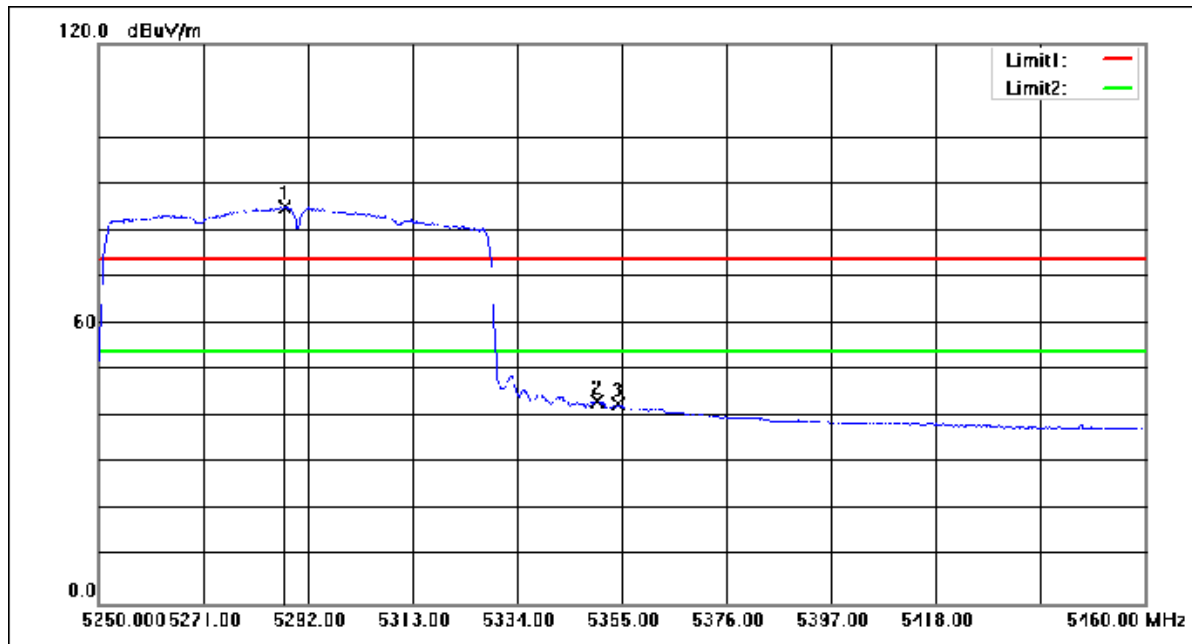
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Mode:f; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5287.380	84.02	1.14	85.16	54.00	31.16	AVG
2	5350.000	42.25	1.18	43.43	54.00	-10.57	AVG
3	5354.370	41.45	1.18	42.63	54.00	-11.37	AVG



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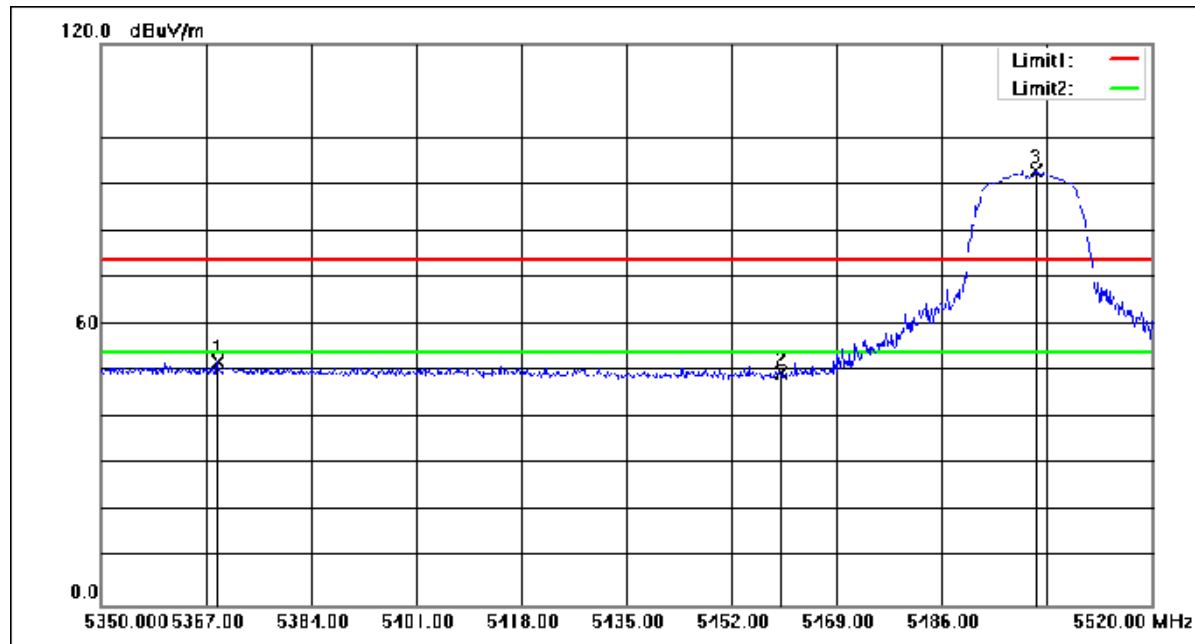
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Mode:g; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5368.870	50.89	1.19	52.08	74.00	-21.92	peak
2	5460.000	48.54	1.25	49.79	74.00	-24.21	peak
3	5501.300	91.61	1.28	92.89	74.00	18.89	peak



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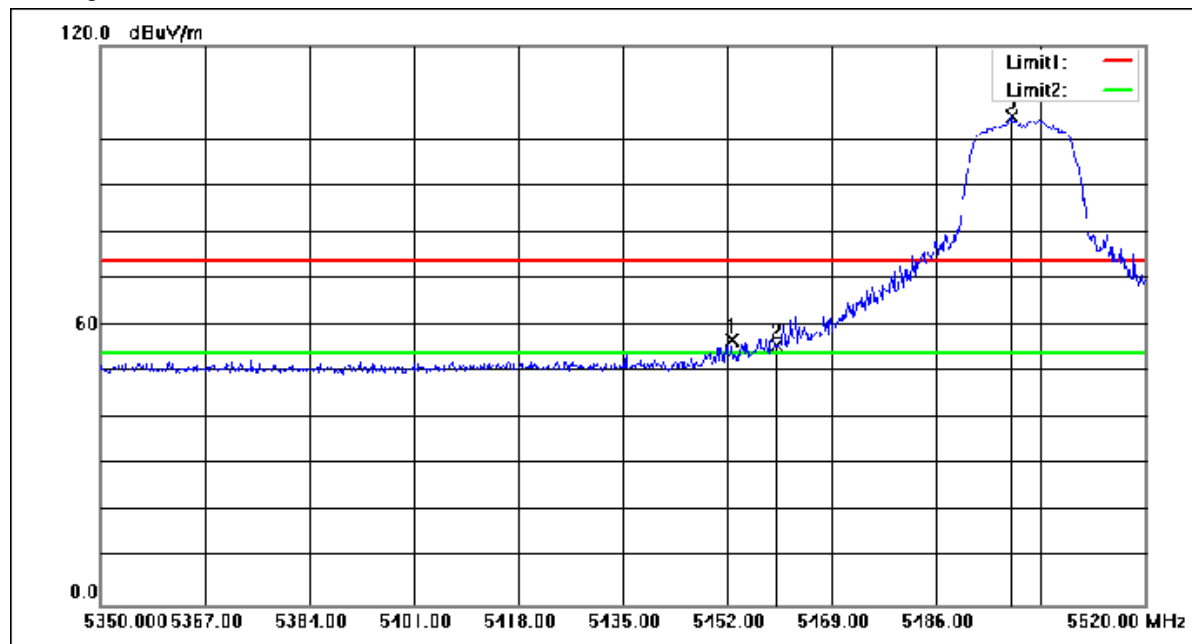
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Mode:g; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5452.680	55.61	1.24	56.85	74.00	-17.15	peak
2	5460.000	54.44	1.25	55.69	74.00	-18.31	peak
3	5498.410	103.44	1.27	104.71	74.00	30.71	peak



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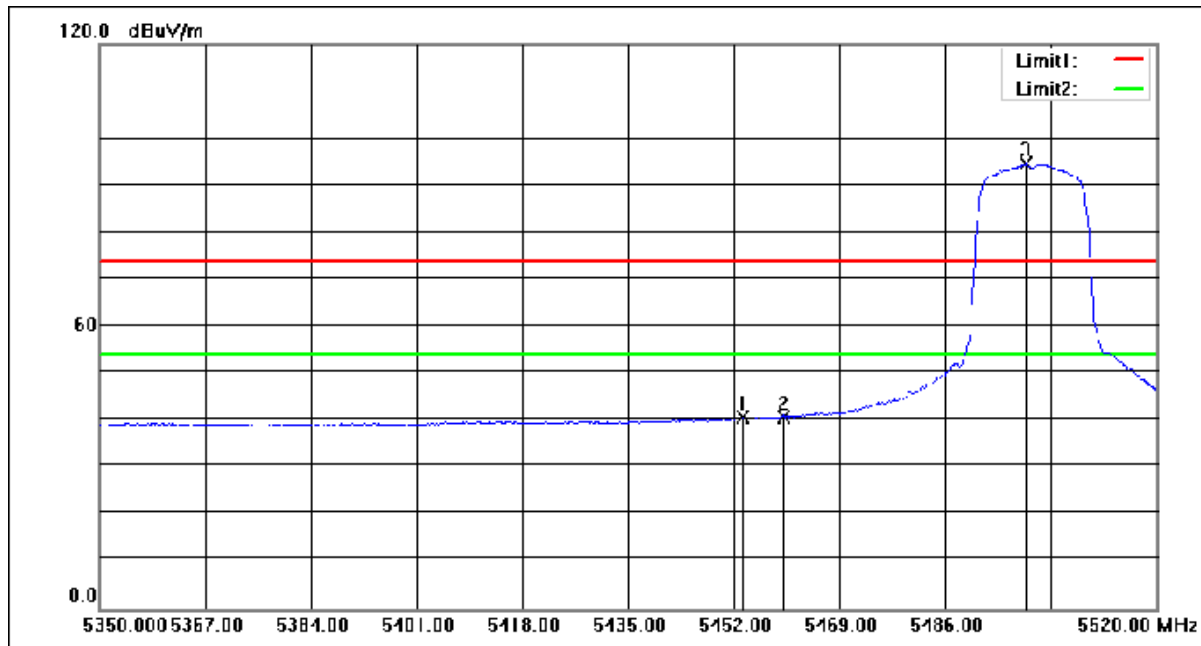
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Mode:g; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.530	39.29	1.24	40.53	54.00	-13.47	AVG
2	5460.000	39.50	1.25	40.75	54.00	-13.25	AVG
3	5499.090	93.29	1.27	94.56	54.00	40.56	AVG



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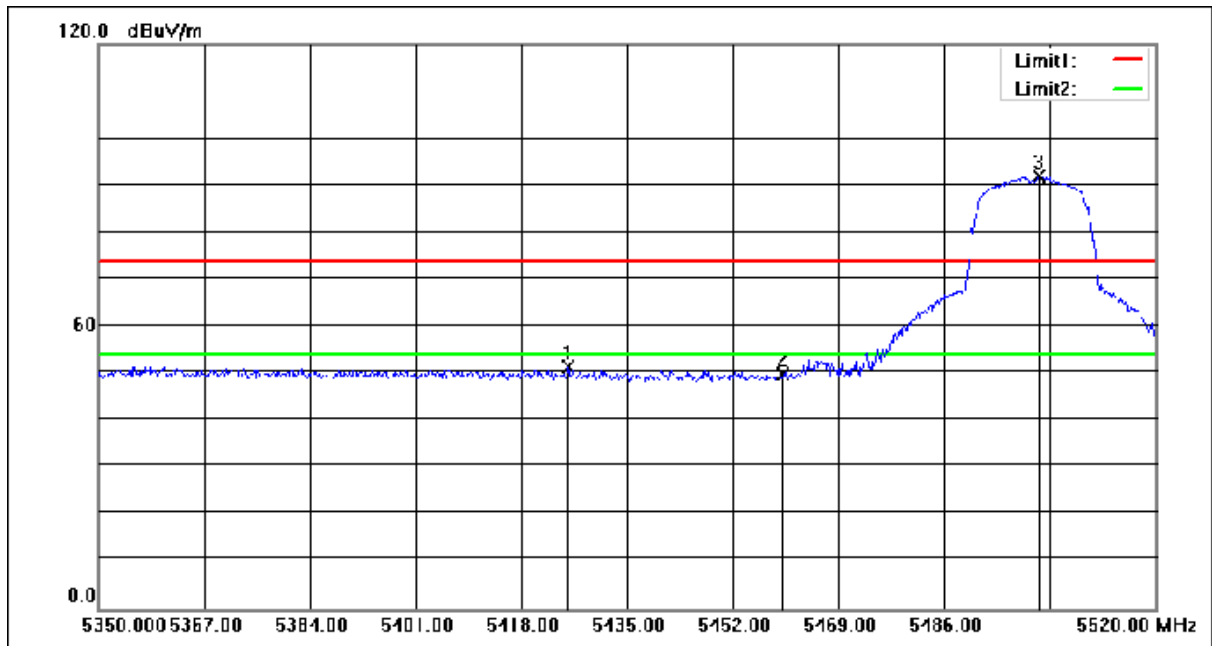
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Mode:g; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5425.650	50.15	1.22	51.37	74.00	-22.63	peak
2	5460.000	48.62	1.25	49.87	74.00	-24.13	peak
3	5501.300	90.59	1.28	91.87	74.00	17.87	peak



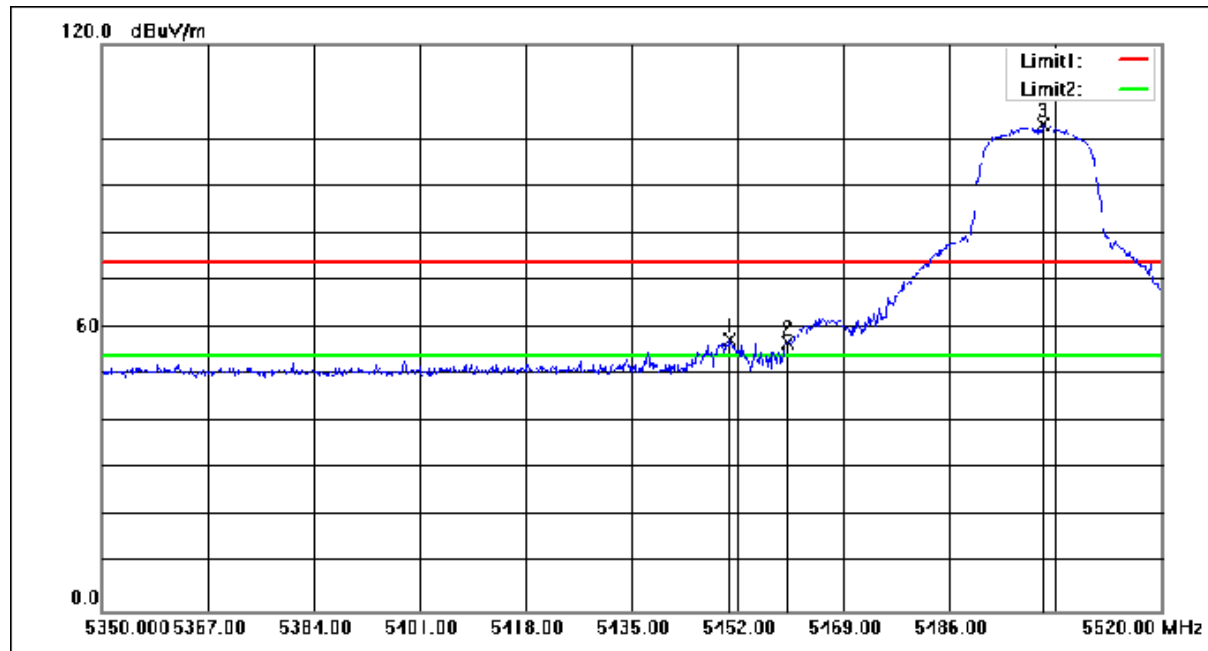
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5450.640	56.27	1.24	57.51	74.00	-16.49	peak
2	5460.000	55.45	1.25	56.70	74.00	-17.30	peak
3	5501.130	101.63	1.28	102.91	74.00	28.91	peak



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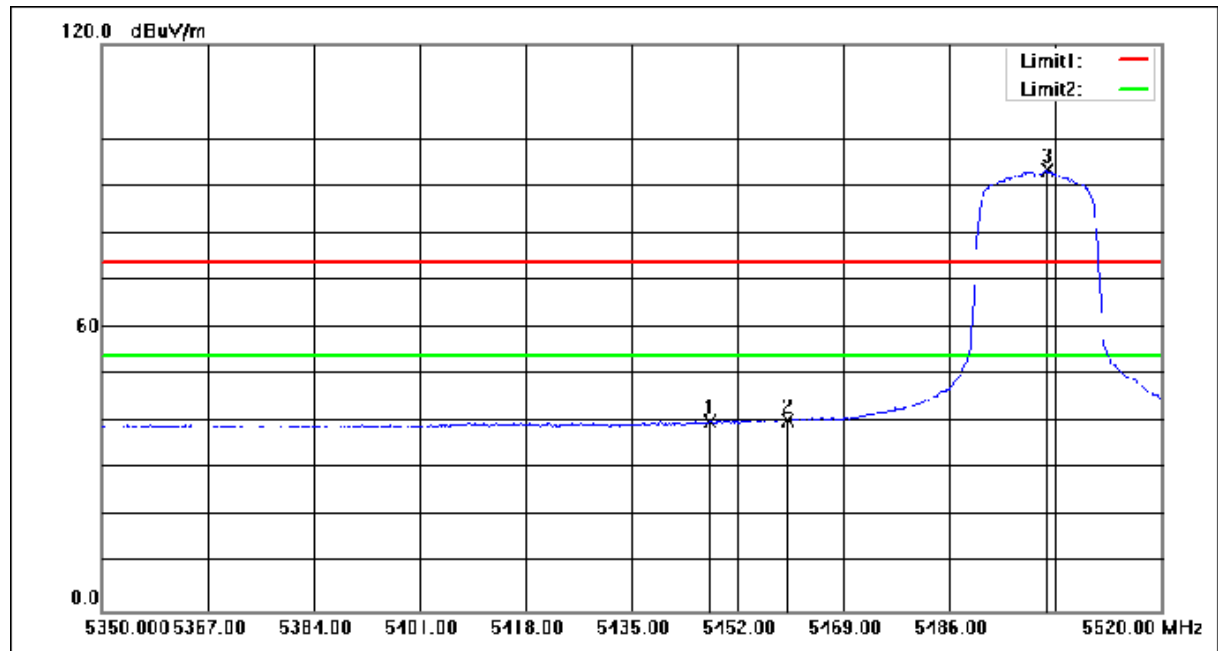
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5447.580	38.81	1.24	40.05	54.00	-13.95	AVG
2	5460.000	39.07	1.25	40.32	54.00	-13.68	AVG
3	5501.640	92.11	1.28	93.39	54.00	39.39	AVG



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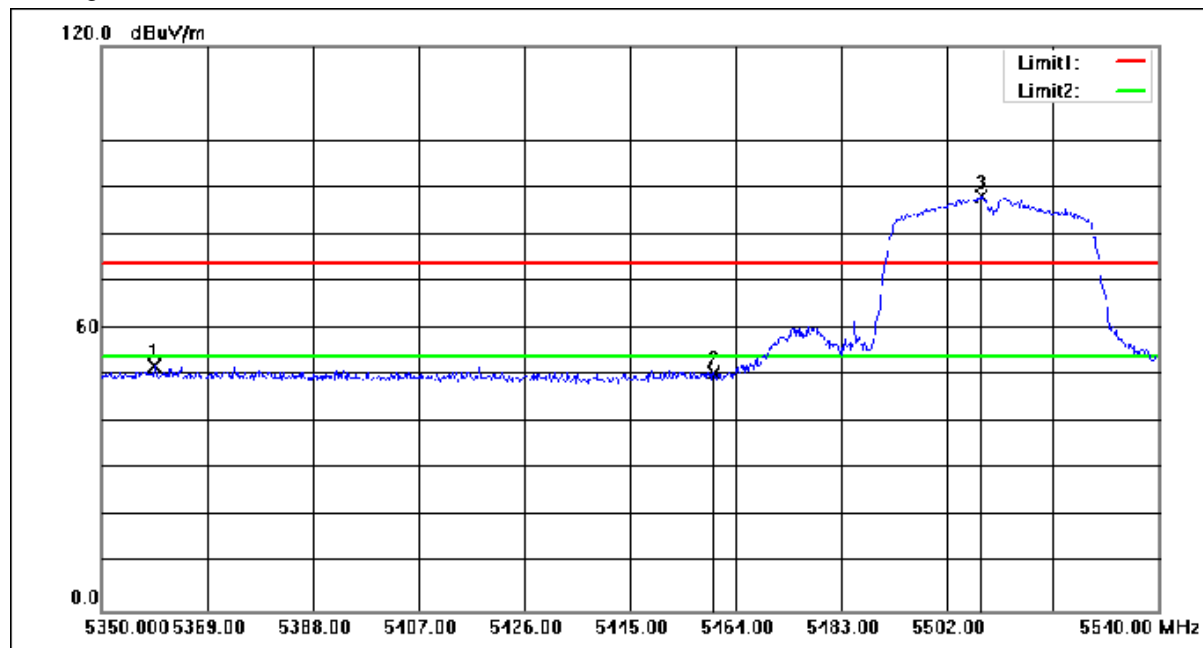
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Mode:g; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5359.500	51.01	1.18	52.19	74.00	-21.81	peak
2	5460.000	49.20	1.25	50.45	74.00	-23.55	peak
3	5508.270	86.68	1.32	88.00	74.00	14.00	peak



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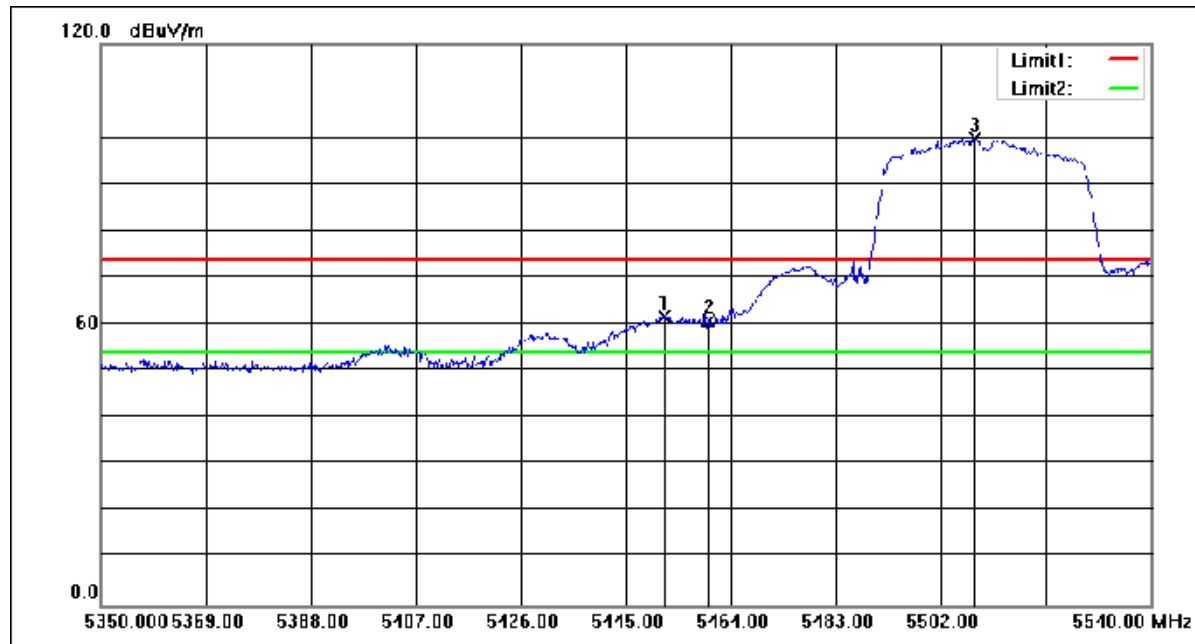
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5452.030	60.50	1.24	61.74	74.00	-12.26	peak
2	5460.000	59.37	1.25	60.62	74.00	-13.38	peak
3	5508.080	98.52	1.32	99.84	74.00	25.84	peak



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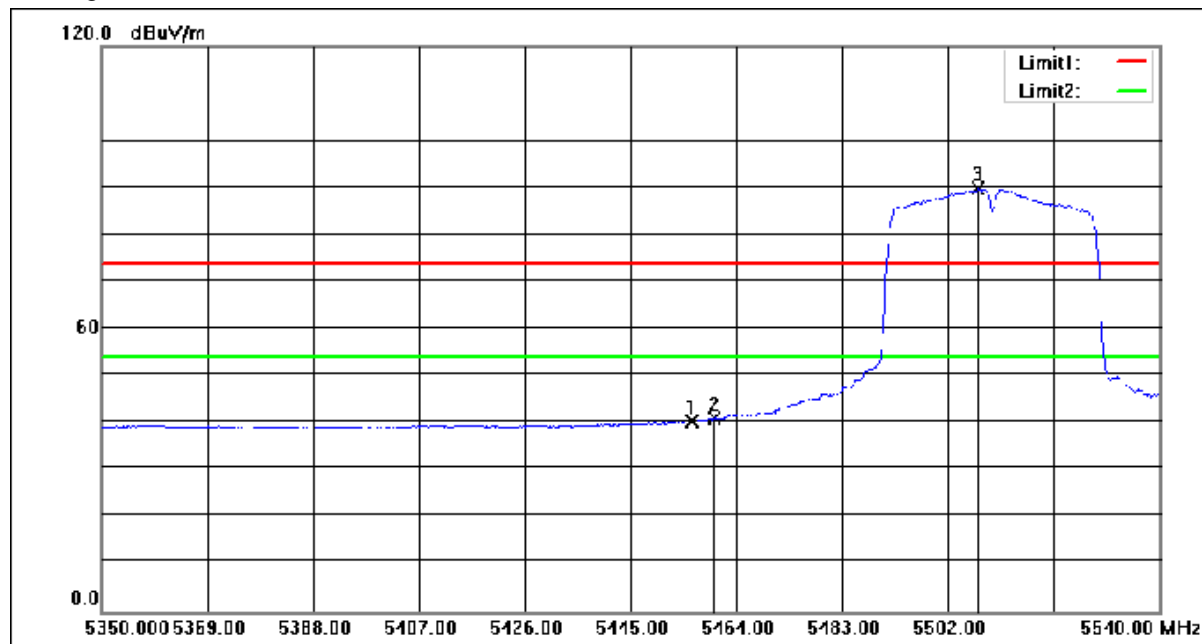
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Mode:g; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5456.020	39.25	1.24	40.49	54.00	-13.51	AVG
2	5460.000	39.59	1.25	40.84	54.00	-13.16	AVG
3	5507.510	88.57	1.32	89.89	54.00	35.89	AVG



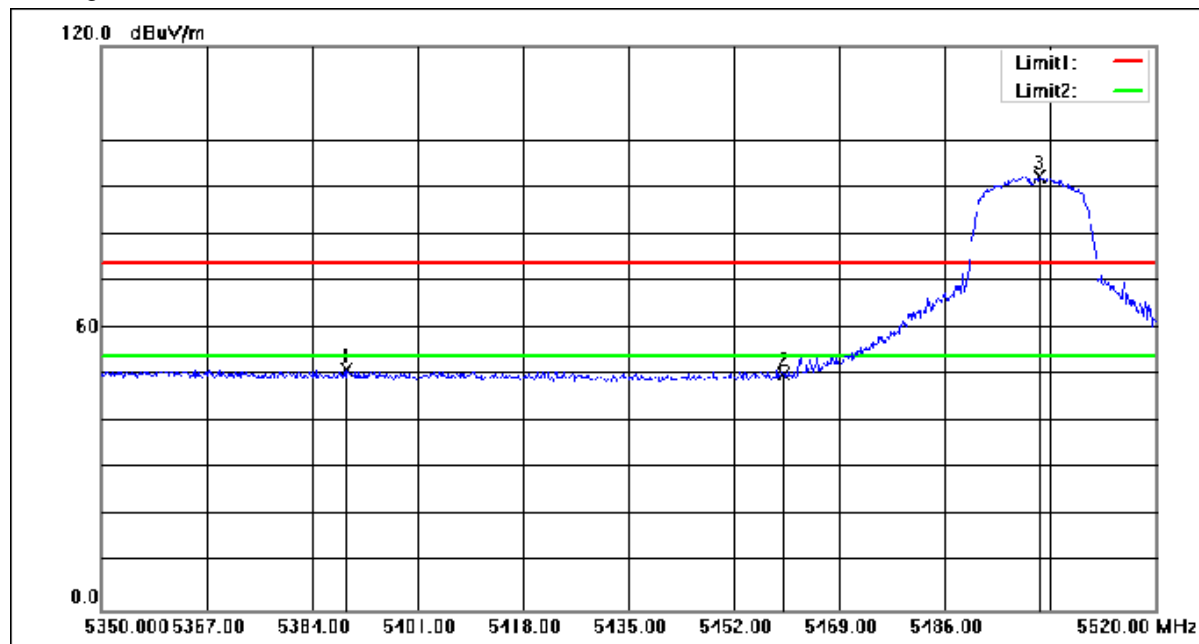
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5389.610	49.97	1.20	51.17	74.00	-22.83	peak
2	5460.000	48.90	1.25	50.15	74.00	-23.85	peak
3	5501.300	91.11	1.28	92.39	74.00	18.39	peak



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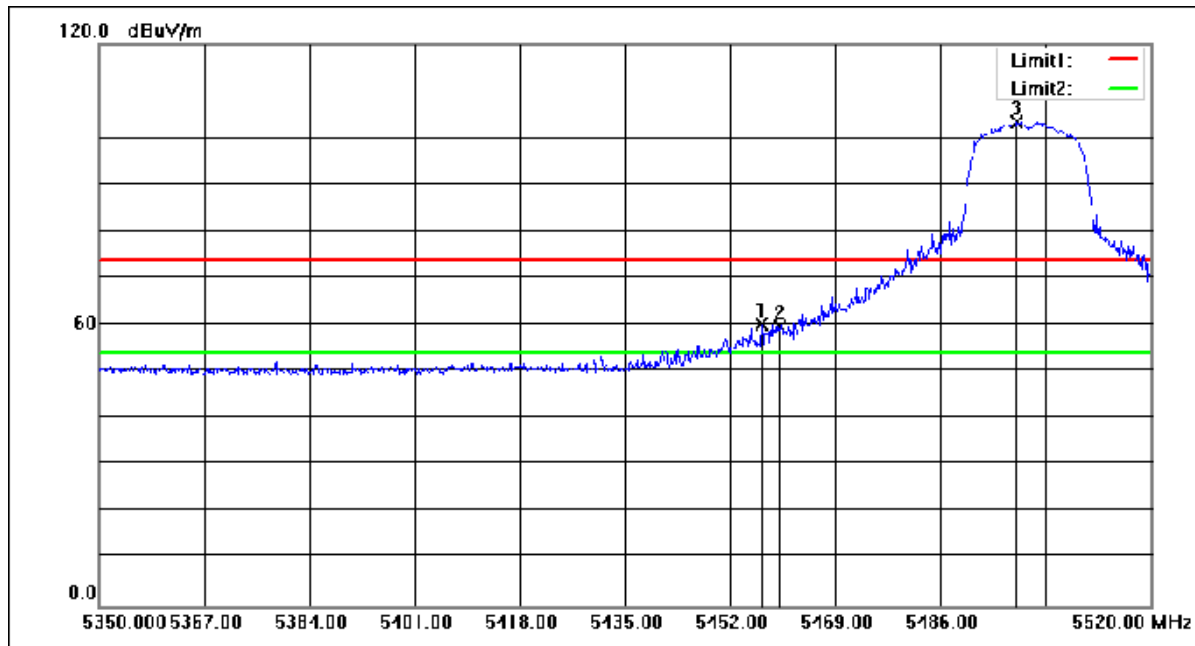
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5457.100	59.06	1.24	60.30	74.00	-13.70	peak
2	5460.000	58.43	1.25	59.68	74.00	-14.32	peak
3	5498.240	102.02	1.27	103.29	74.00	29.29	peak



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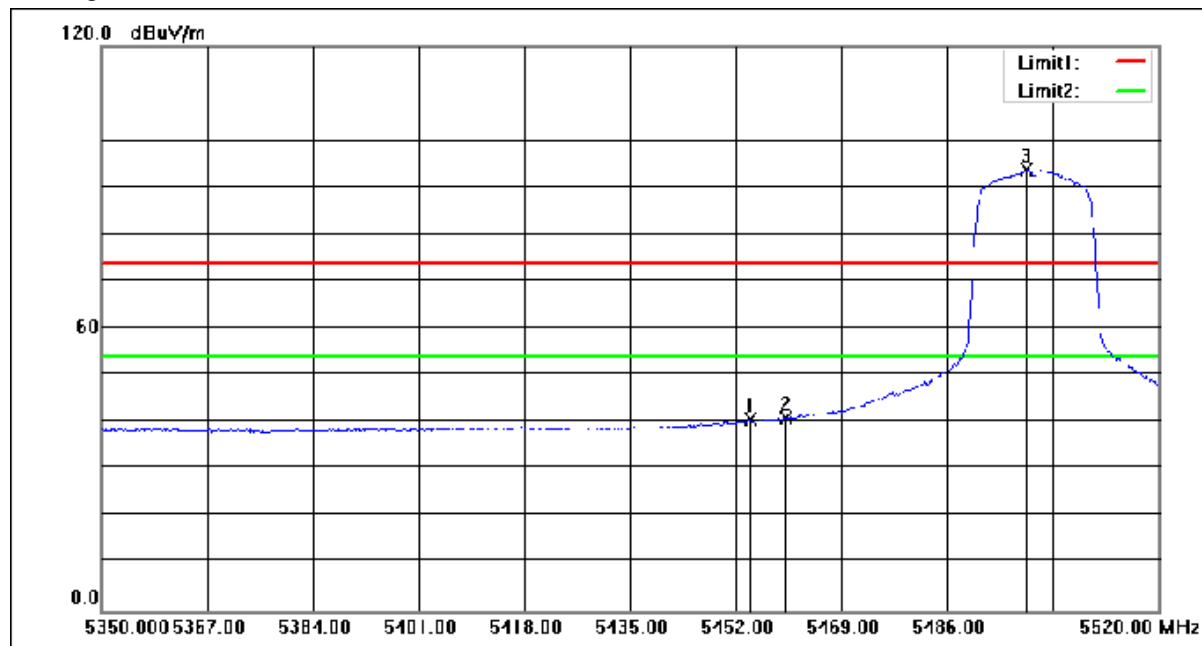
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5454.380	39.49	1.24	40.73	54.00	-13.27	AVG
2	5460.000	39.67	1.25	40.92	54.00	-13.08	AVG
3	5498.750	92.50	1.27	93.77	54.00	39.77	AVG



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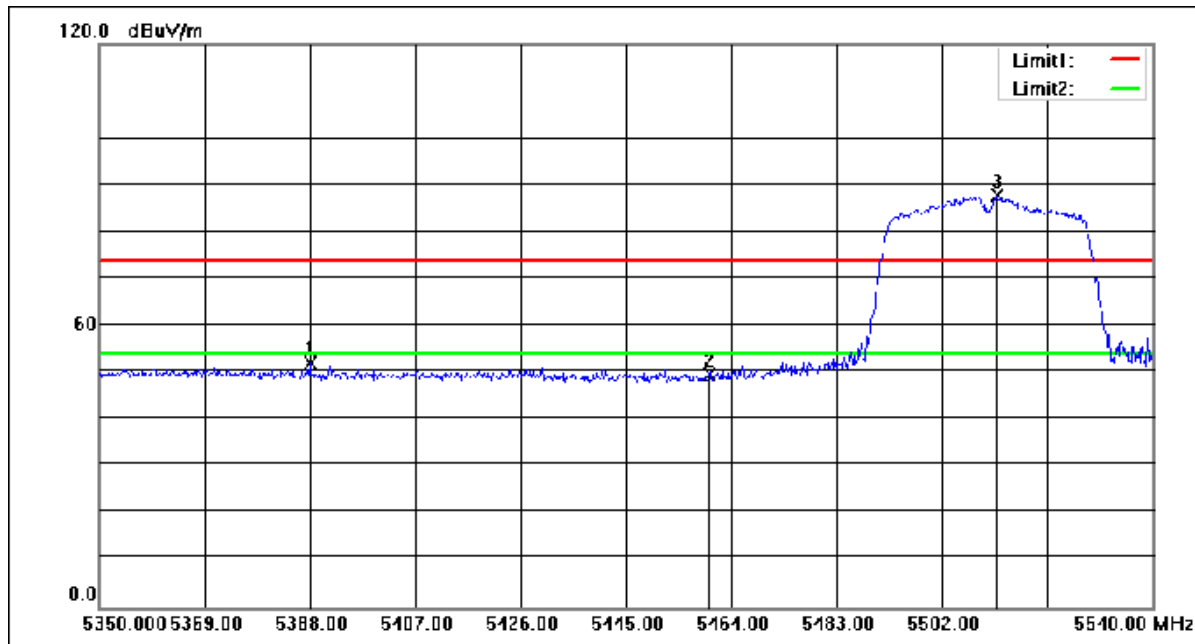
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5388.000	50.97	1.20	52.17	74.00	-21.83	peak
2	5460.000	48.37	1.25	49.62	74.00	-24.38	peak
3	5511.880	86.33	1.35	87.68	74.00	13.68	peak



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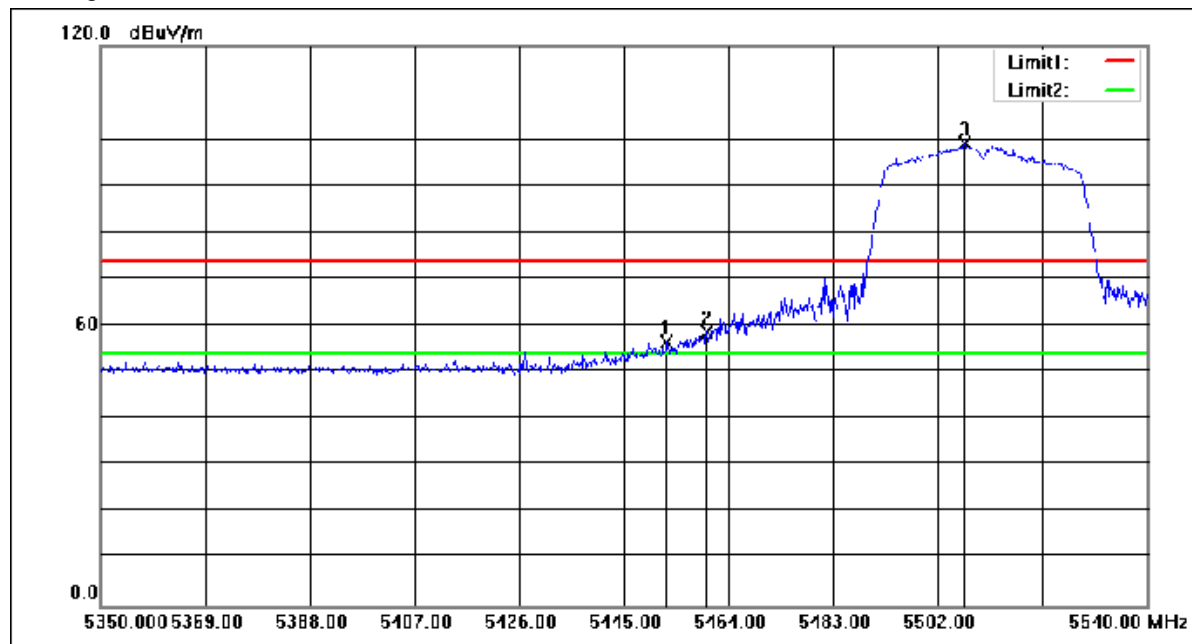
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5452.790	55.28	1.24	56.52	74.00	-17.48	peak
2	5460.000	57.39	1.25	58.64	74.00	-15.36	peak
3	5506.940	97.78	1.31	99.09	74.00	25.09	peak



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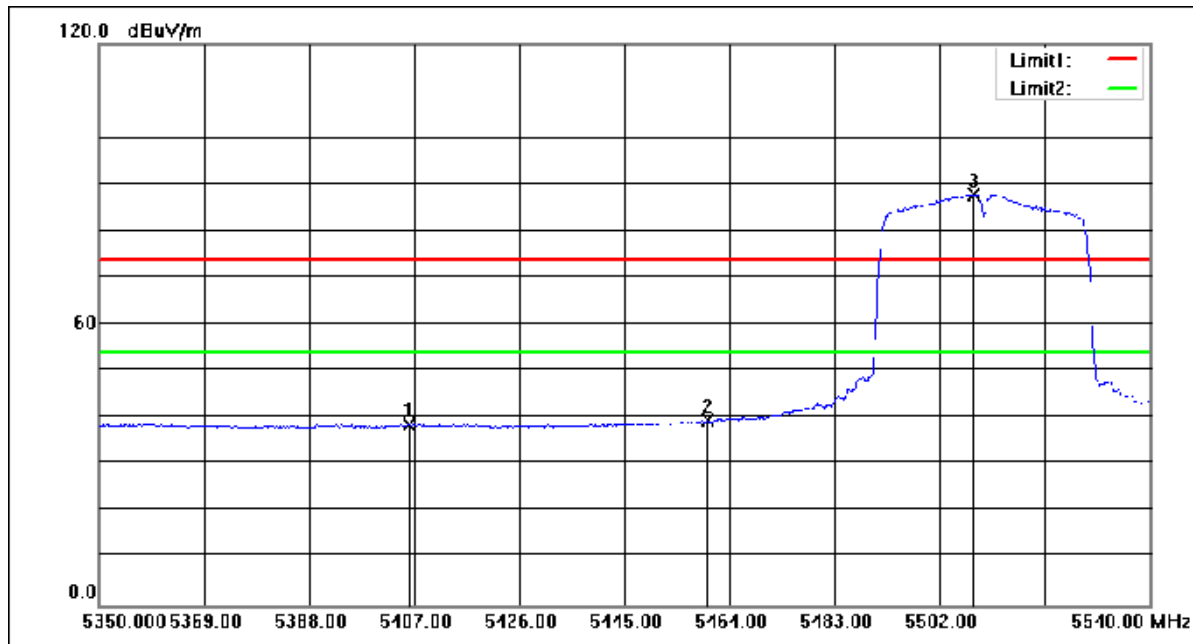
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5406.050	37.35	1.21	38.56	54.00	-15.44	AVG
2	5460.000	38.06	1.25	39.31	54.00	-14.69	AVG
3	5508.080	86.57	1.32	87.89	54.00	33.89	AVG



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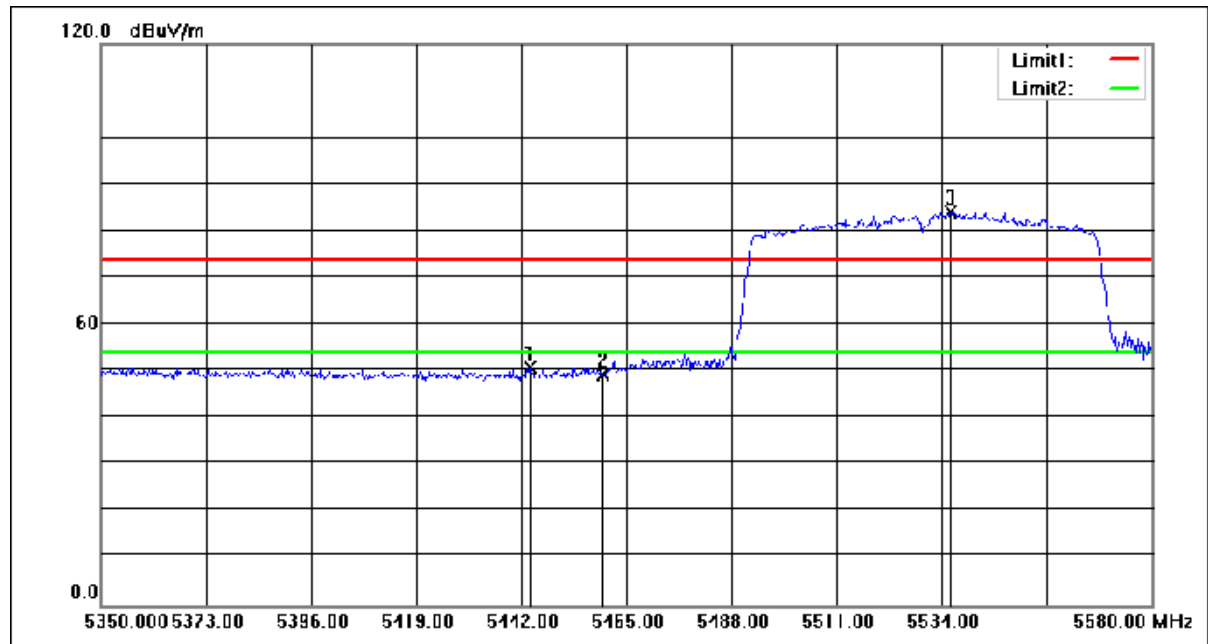
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Mode:g; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5443.840	49.51	1.24	50.75	74.00	-23.25	peak
2	5460.000	48.20	1.25	49.45	74.00	-24.55	peak
3	5535.840	82.76	1.50	84.26	74.00	10.26	peak



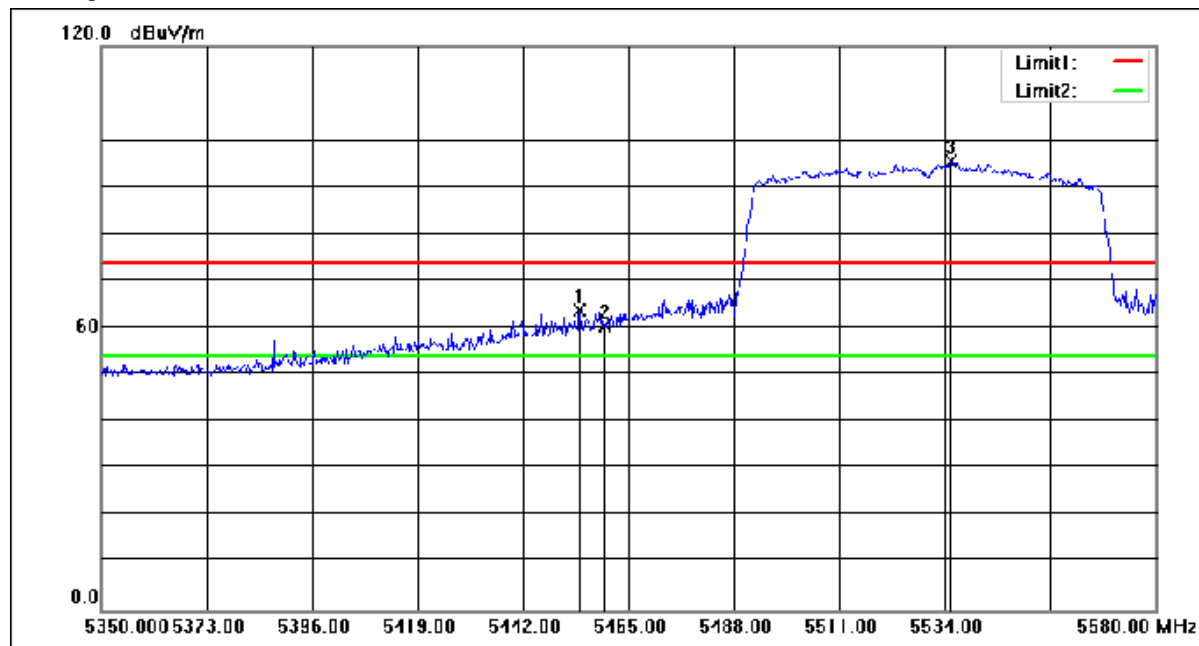
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5454.420	62.38	1.24	63.62	74.00	-10.38	peak
2	5460.000	59.08	1.25	60.33	74.00	-13.67	peak
3	5535.380	94.03	1.49	95.52	74.00	21.52	peak



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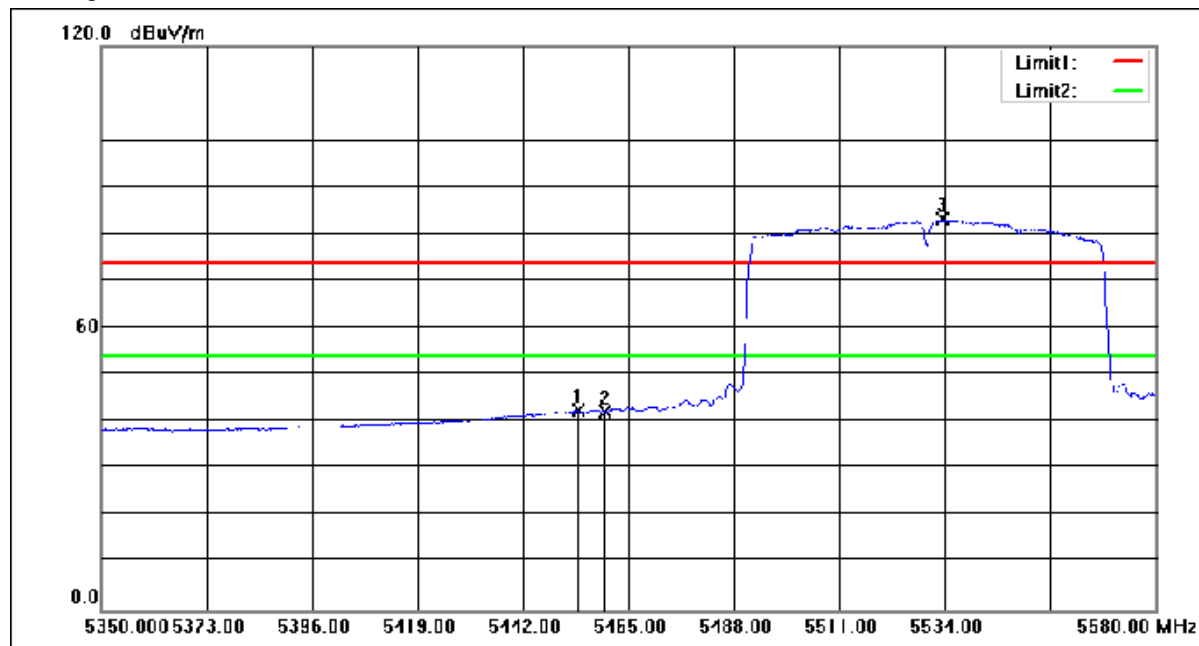
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Mode:g; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5454.190	41.30	1.24	42.54	54.00	-11.46	AVG
2	5460.000	41.02	1.25	42.27	54.00	-11.73	AVG
3	5533.540	81.71	1.48	83.19	54.00	29.19	AVG



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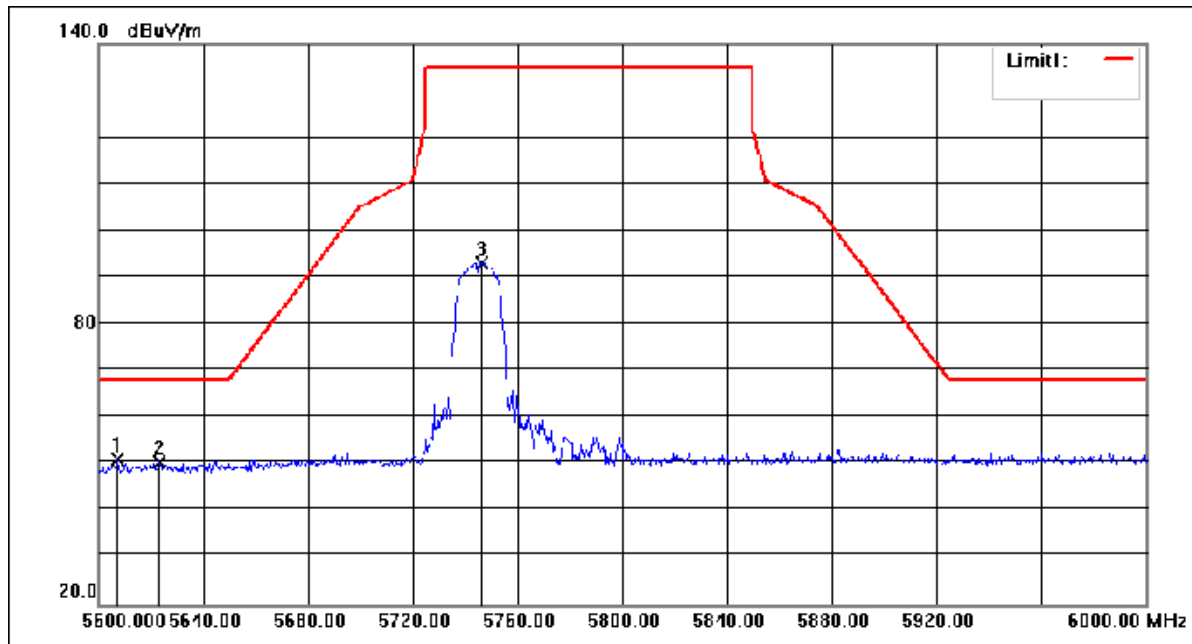
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Mode:h; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5607.200	49.17	1.95	51.12	68.20	-17.08	peak
2	5623.200	48.47	2.05	50.52	68.20	-17.68	peak
3	5746.400	90.35	2.83	93.18	135.00	-41.82	peak



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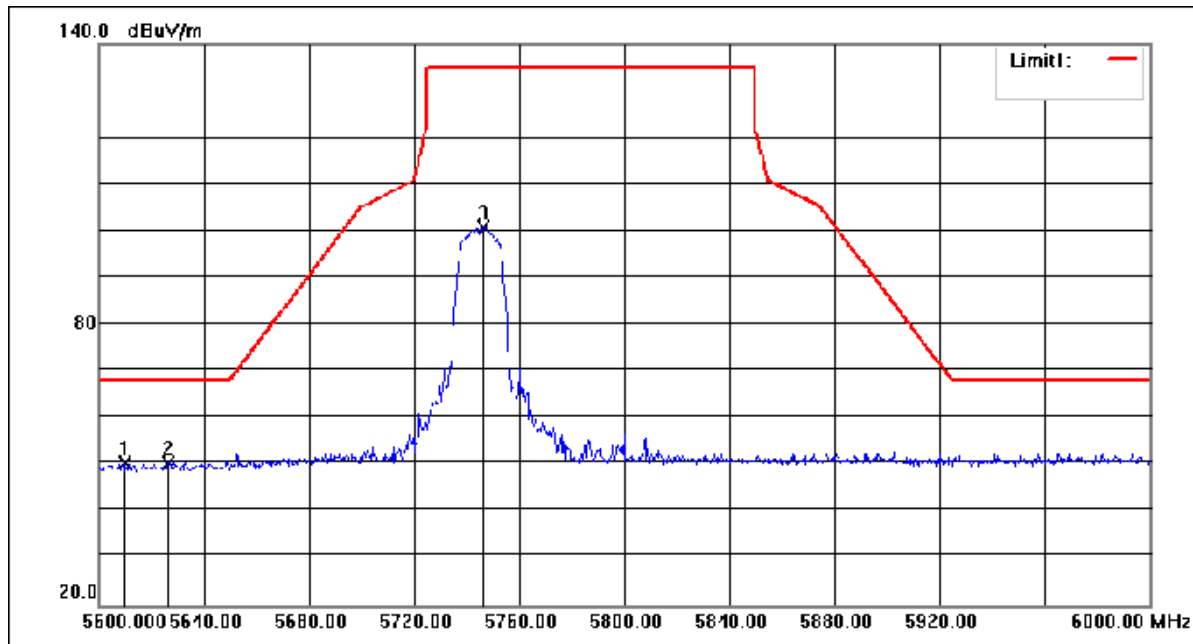
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5609.600	48.60	1.96	50.56	68.20	-17.64	peak
2	5626.400	48.48	2.07	50.55	68.20	-17.65	peak
3	5746.400	97.88	2.83	100.71	135.00	-34.29	peak



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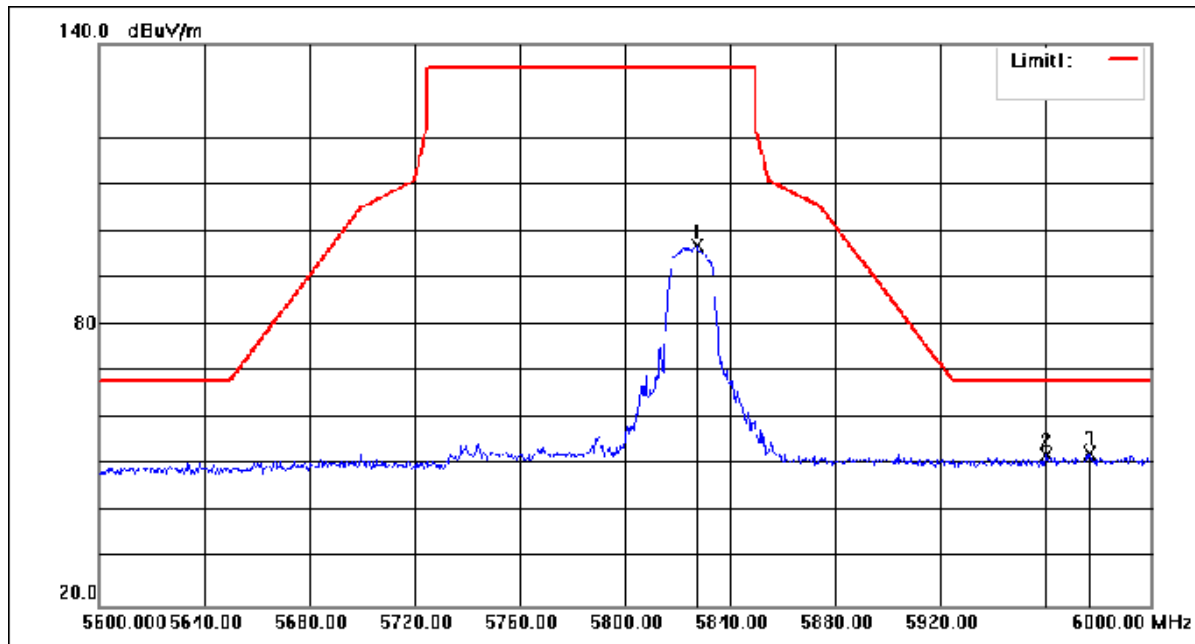
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Mode:h; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5827.200	93.55	3.34	96.89	135.00	-38.11	peak
2	5960.400	47.93	4.18	52.11	68.20	-16.09	peak
3	5976.800	48.16	4.28	52.44	68.20	-15.76	peak



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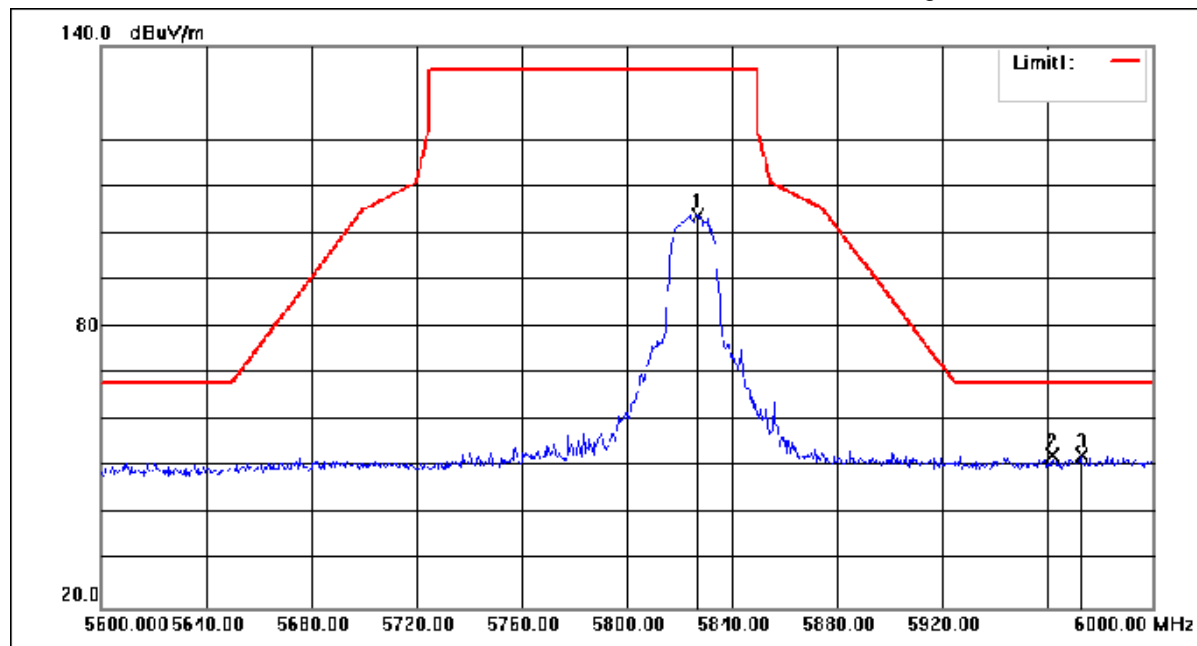
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5826.800	100.62	3.34	103.96	135.00	-31.04	peak
2	5961.600	48.22	4.19	52.41	68.20	-15.79	peak
3	5972.800	48.18	4.26	52.44	68.20	-15.76	peak



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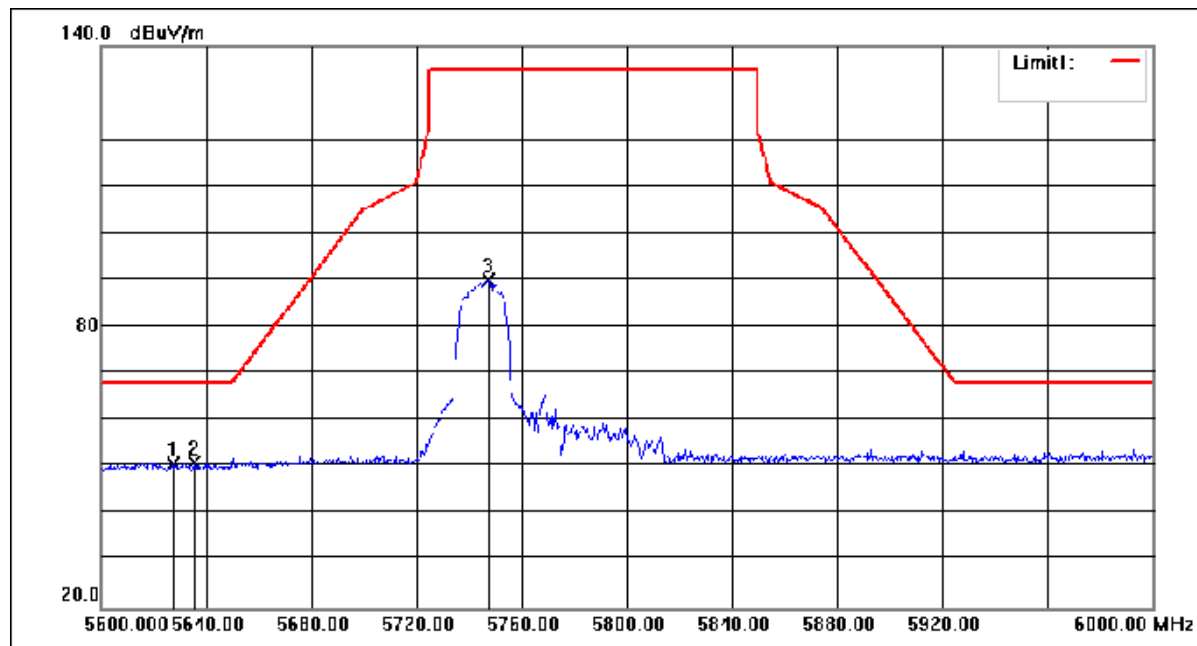
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5627.200	48.70	2.07	50.77	68.20	-17.43	peak
2	5635.200	48.99	2.12	51.11	68.20	-17.09	peak
3	5747.600	87.18	2.83	90.01	135.00	-44.99	peak



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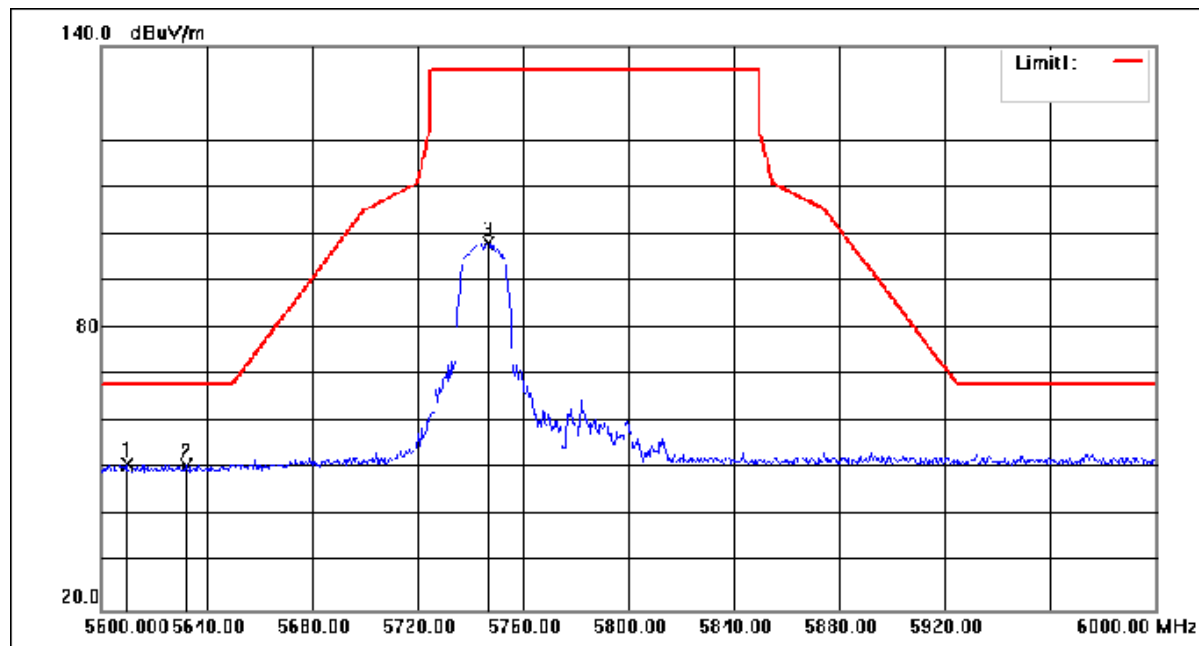
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5609.600	49.07	1.96	51.03	68.20	-17.17	peak
2	5632.000	48.61	2.10	50.71	68.20	-17.49	peak
3	5746.800	95.40	2.83	98.23	135.00	-36.77	peak

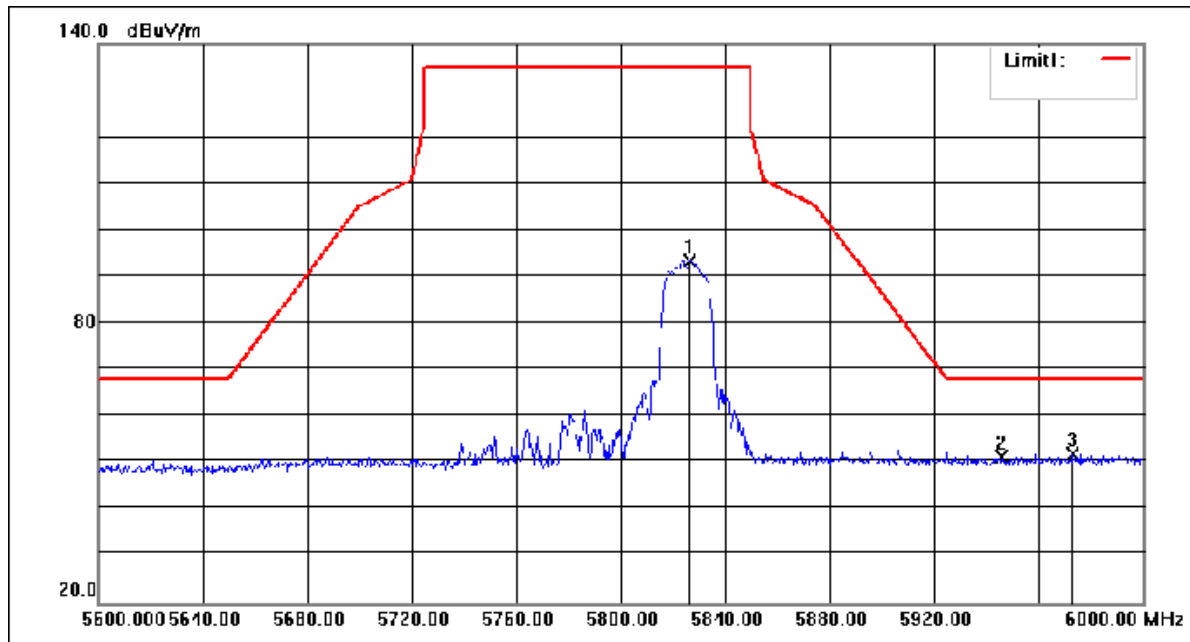


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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5826.400	90.05	3.33	93.38	135.00	-41.62	peak
2	5946.000	47.19	4.09	51.28	68.20	-16.92	peak
3	5972.800	47.56	4.26	51.82	68.20	-16.38	peak



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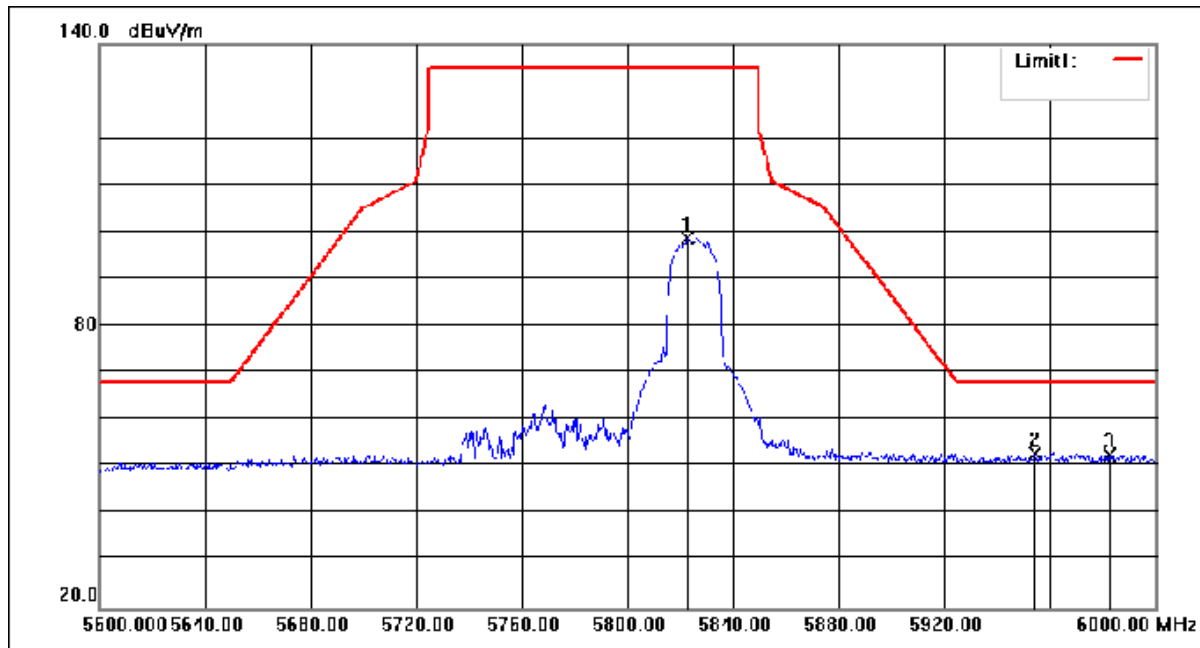
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5822.800	95.54	3.31	98.85	135.00	-36.15	peak
2	5954.400	48.56	4.14	52.70	68.20	-15.50	peak
3	5982.400	48.33	4.32	52.65	68.20	-15.55	peak



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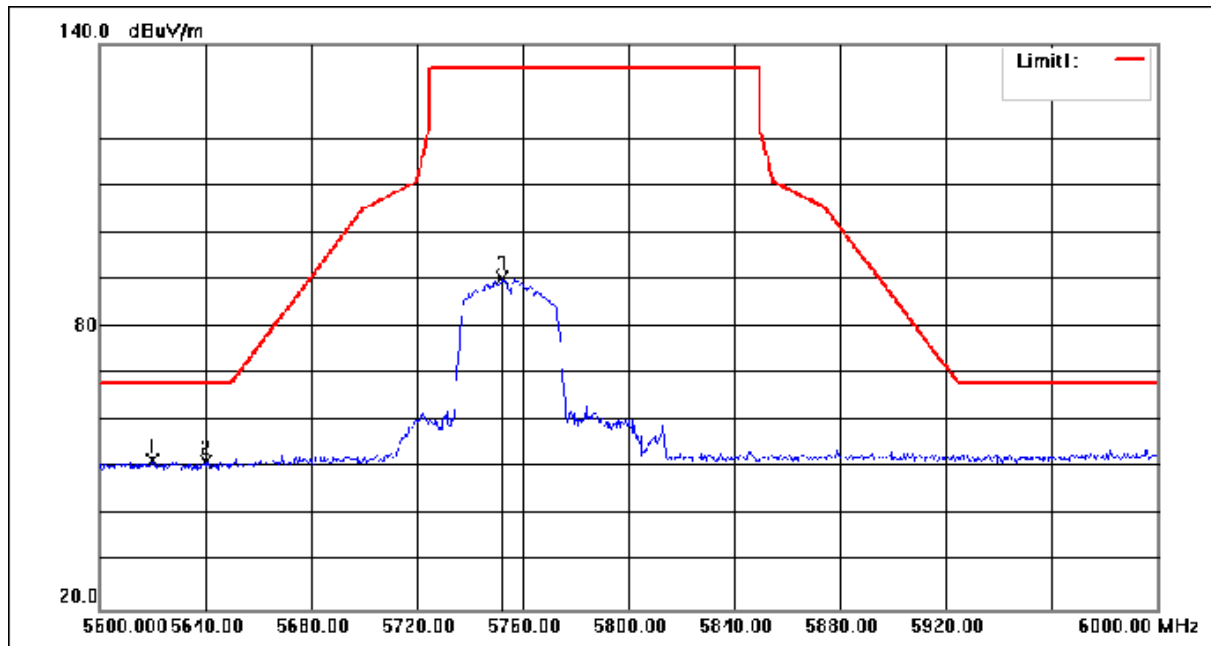
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5620.000	49.67	2.03	51.70	68.20	-16.50	peak
2	5640.400	49.18	2.16	51.34	68.20	-16.86	peak
3	5752.400	87.33	2.87	90.20	135.00	-44.80	peak



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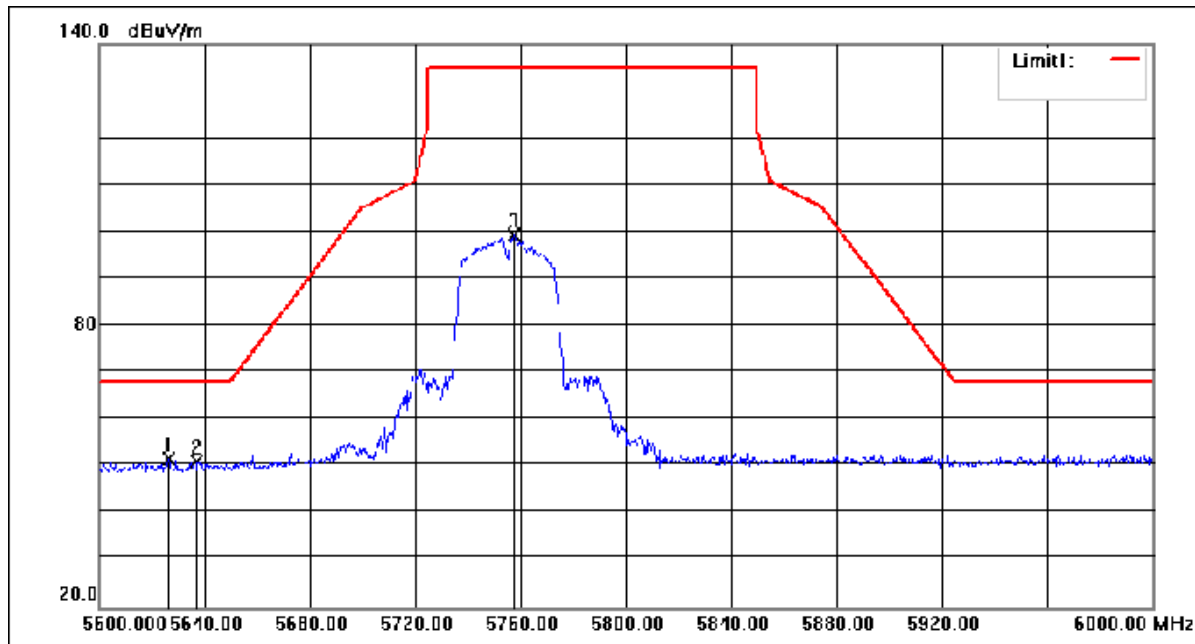
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5626.400	49.44	2.07	51.51	68.20	-16.69	peak
2	5637.200	48.82	2.14	50.96	68.20	-17.24	peak
3	5757.600	96.49	2.90	99.39	135.00	-35.61	peak



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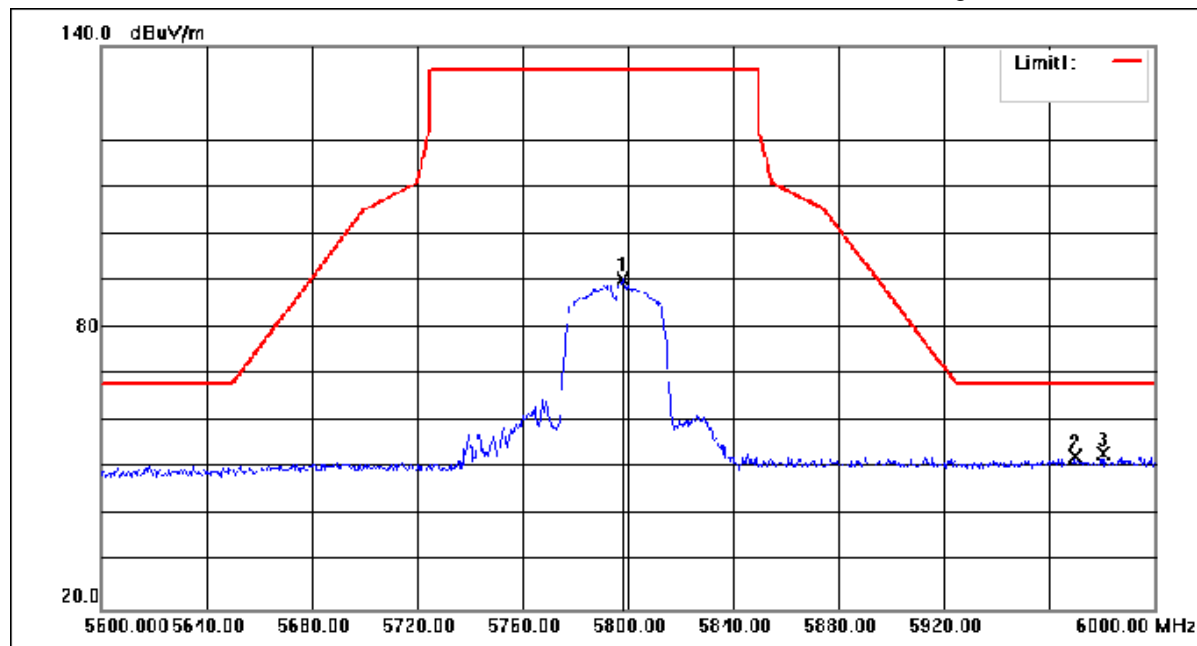
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5798.000	87.11	3.15	90.26	135.00	-44.74	peak
2	5969.600	48.23	4.24	52.47	68.20	-15.73	peak
3	5980.400	48.91	4.31	53.22	68.20	-14.98	peak



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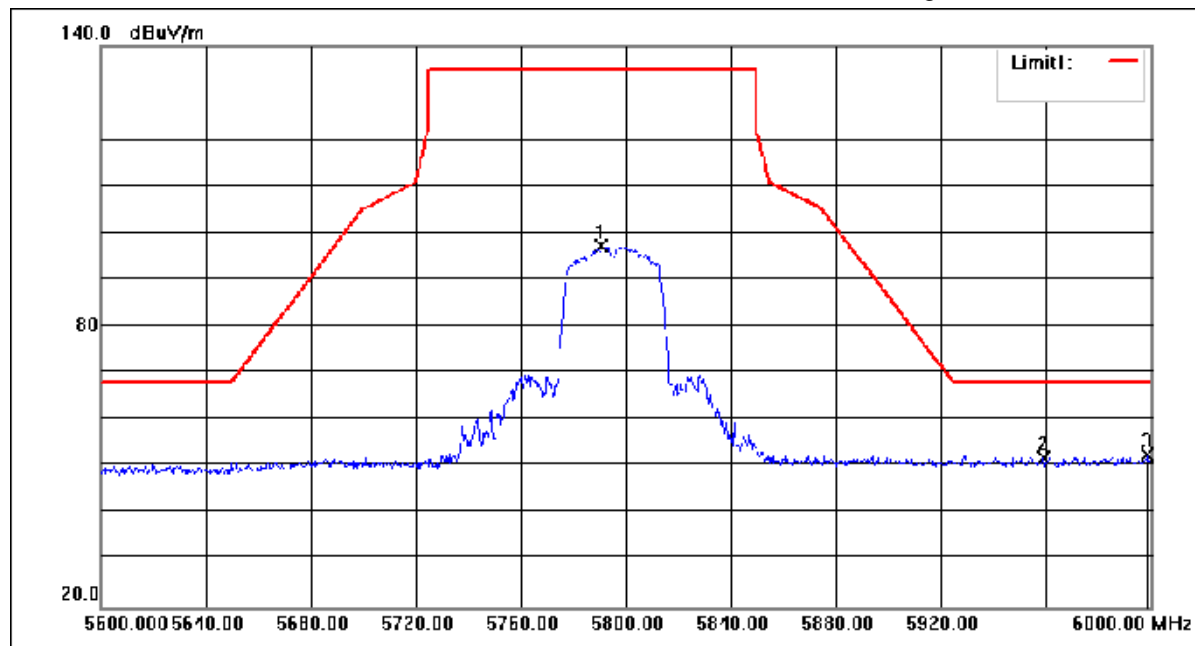
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5790.800	94.15	3.11	97.26	135.00	-37.74	peak
2	5959.200	47.92	4.17	52.09	68.20	-16.11	peak
3	5998.800	48.04	4.42	52.46	68.20	-15.74	peak



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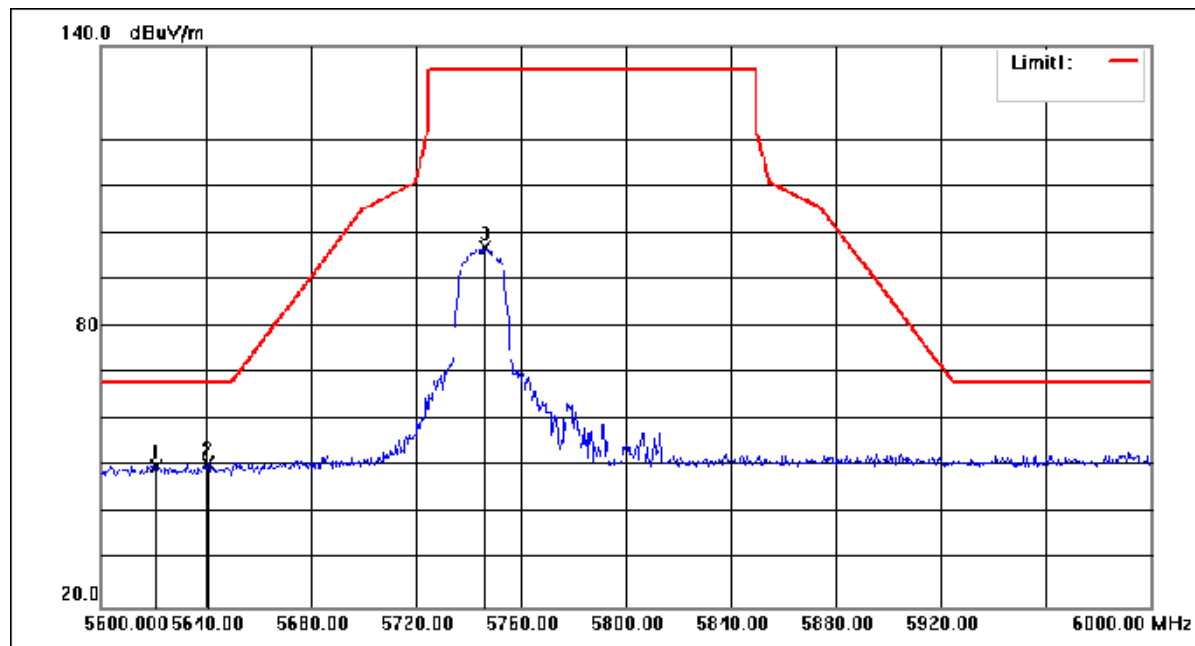
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5621.200	48.25	2.04	50.29	68.20	-17.91	peak
2	5640.800	48.51	2.16	50.67	68.20	-17.53	peak
3	5746.400	94.10	2.83	96.93	135.00	-38.07	peak



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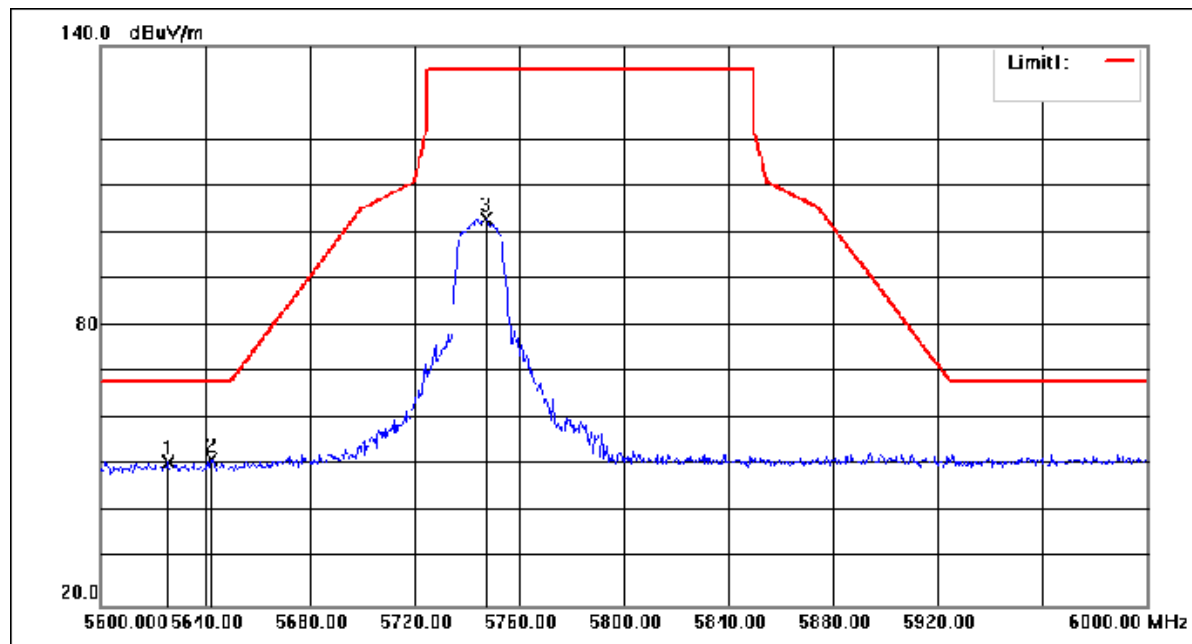
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5625.600	48.54	2.06	50.60	68.20	-17.60	peak
2	5642.400	49.13	2.17	51.30	68.20	-16.90	peak
3	5747.200	100.08	2.83	102.91	135.00	-32.09	peak



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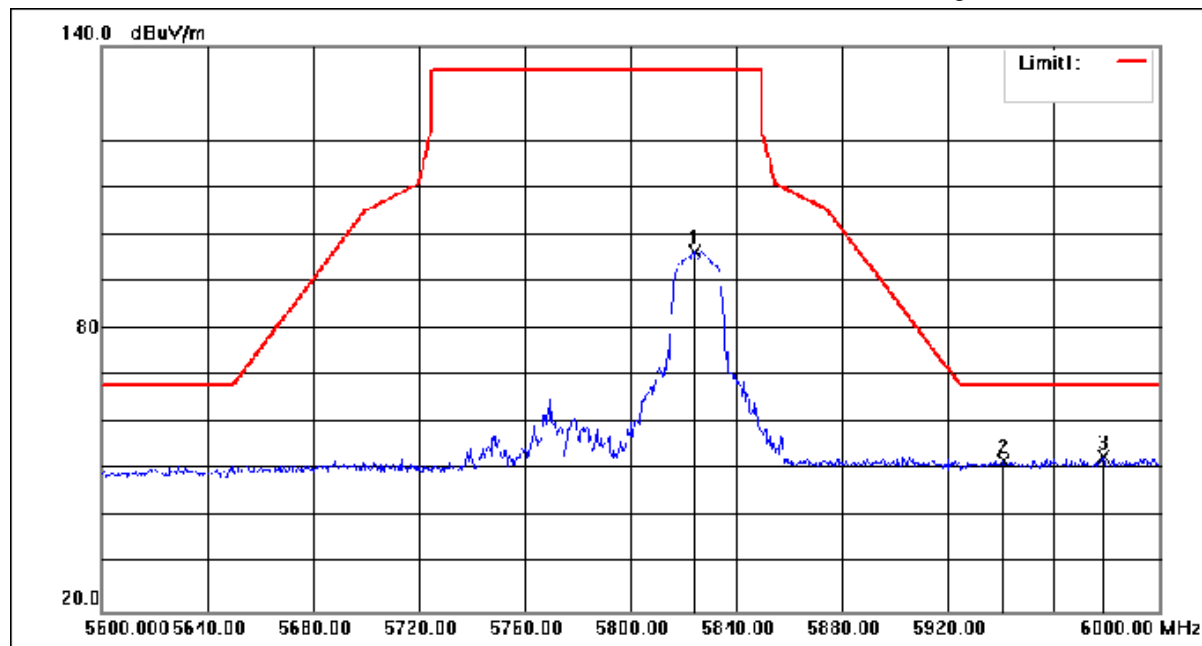
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5824.000	93.03	3.32	96.35	135.00	-38.65	peak
2	5941.200	47.81	4.06	51.87	68.20	-16.33	peak
3	5978.800	48.55	4.30	52.85	68.20	-15.35	peak



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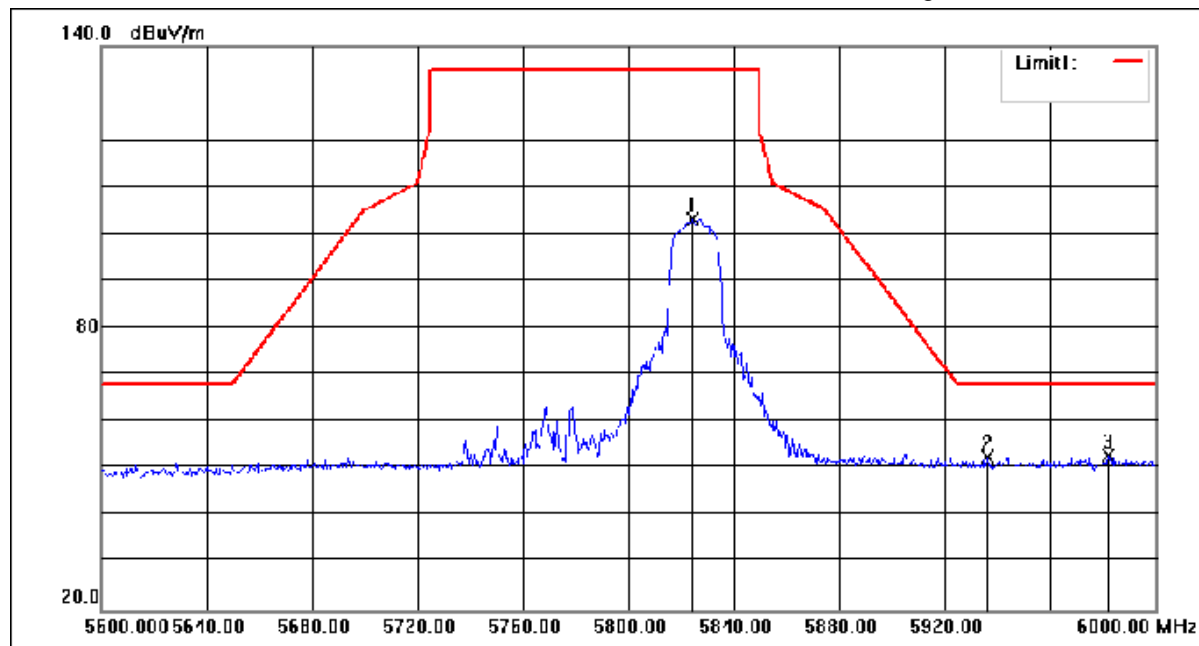
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5824.000	100.07	3.32	103.39	135.00	-31.61	peak
2	5936.400	48.57	4.03	52.60	68.20	-15.60	peak
3	5982.000	48.51	4.32	52.83	68.20	-15.37	peak



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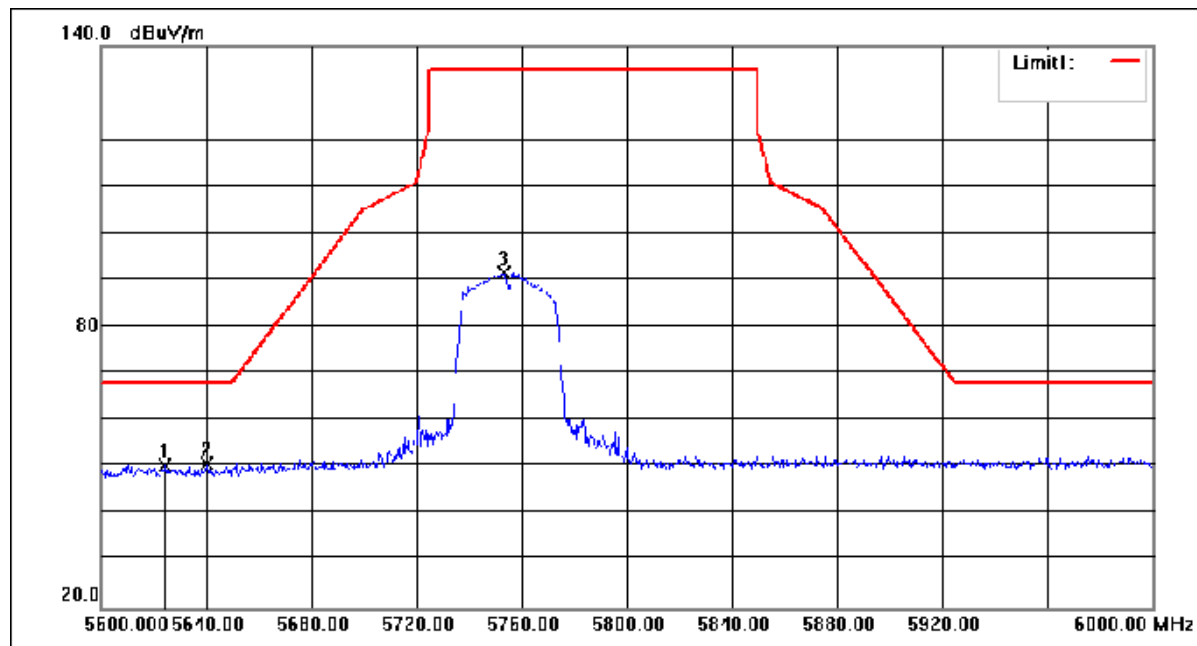
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5624.400	48.50	2.06	50.56	68.20	-17.64	peak
2	5640.000	48.45	2.15	50.60	68.20	-17.60	peak
3	5753.200	88.61	2.87	91.48	135.00	-43.52	peak



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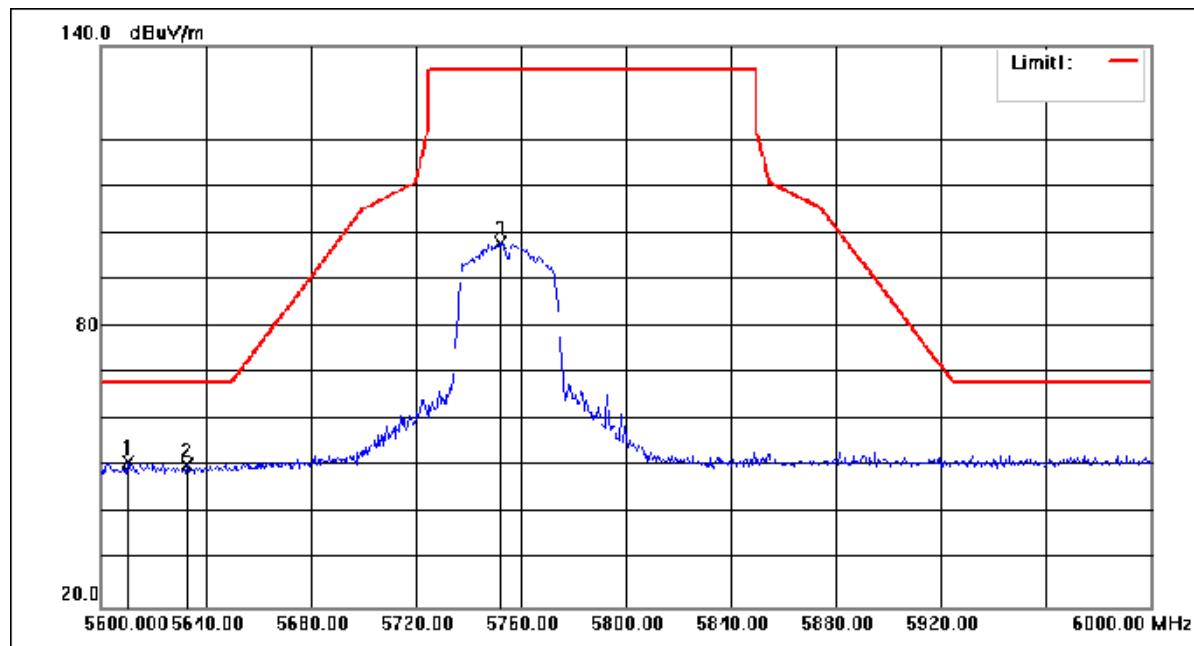
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5610.400	49.20	1.97	51.17	68.20	-17.03	peak
2	5632.800	48.27	2.11	50.38	68.20	-17.82	peak
3	5752.400	94.91	2.87	97.78	135.00	-37.22	peak



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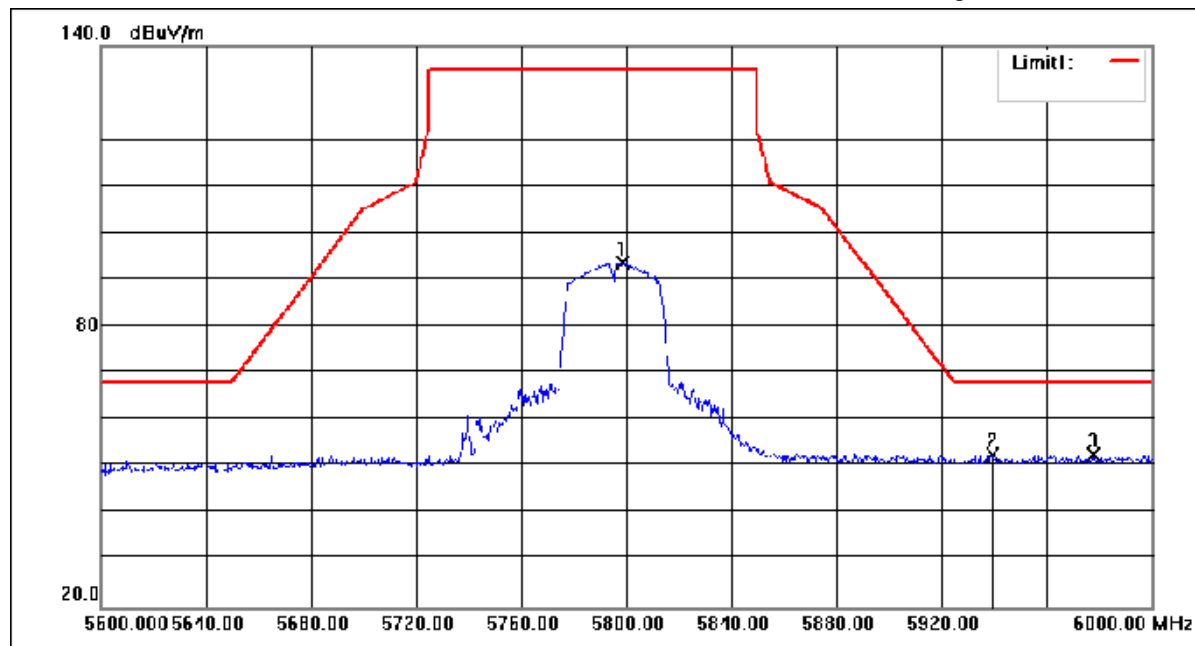
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5798.800	90.46	3.16	93.62	135.00	-41.38	peak
2	5939.200	48.50	4.05	52.55	68.20	-15.65	peak
3	5978.000	48.22	4.29	52.51	68.20	-15.69	peak



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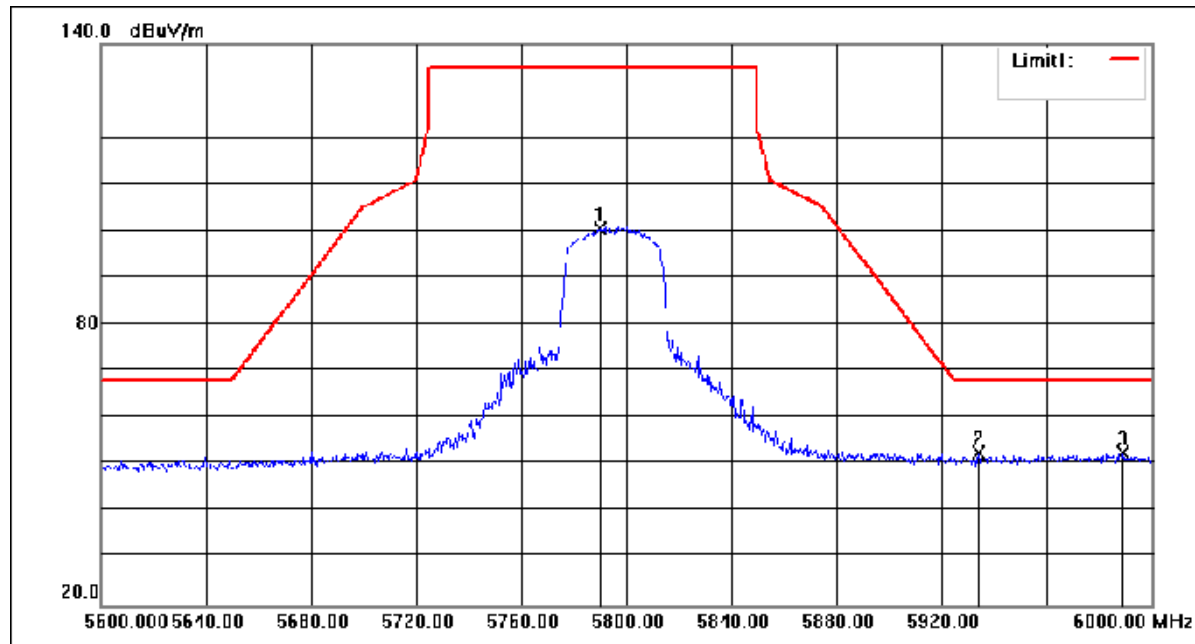
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5790.000	97.53	3.10	100.63	135.00	-34.37	peak
2	5934.000	48.41	4.01	52.42	68.20	-15.78	peak
3	5989.200	48.20	4.36	52.56	68.20	-15.64	peak



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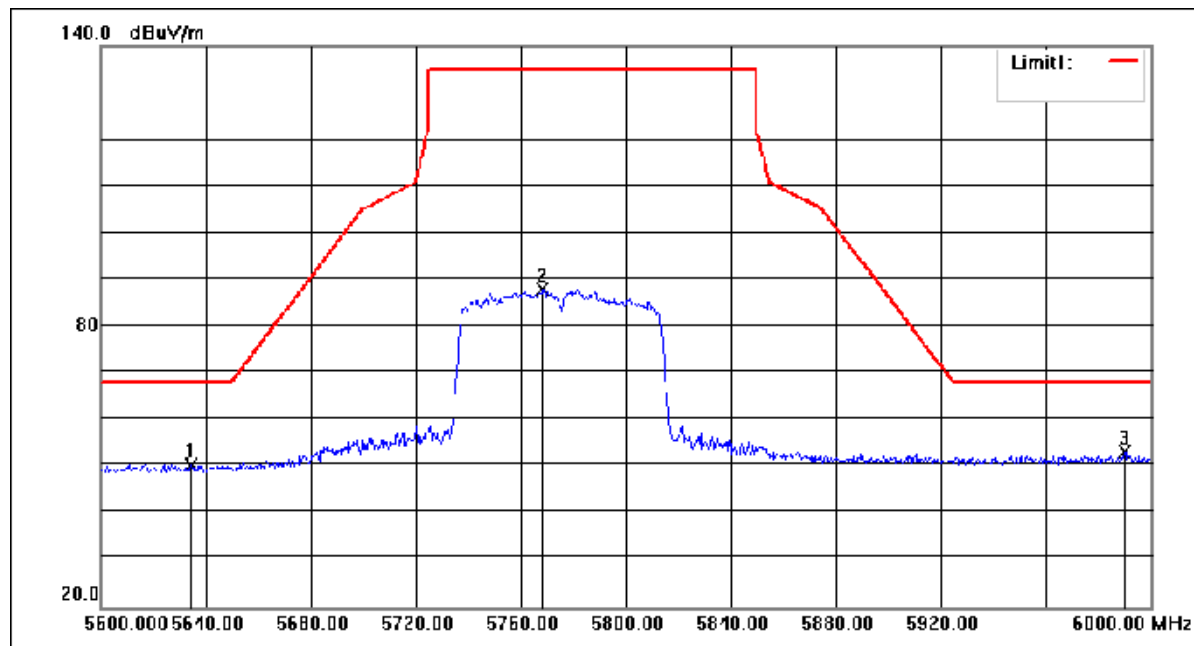
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5634.400	48.47	2.12	50.59	68.20	-17.61	peak
2	5768.400	85.07	2.97	88.04	135.00	-46.96	peak
3	5990.000	48.90	4.37	53.27	68.20	-14.93	peak



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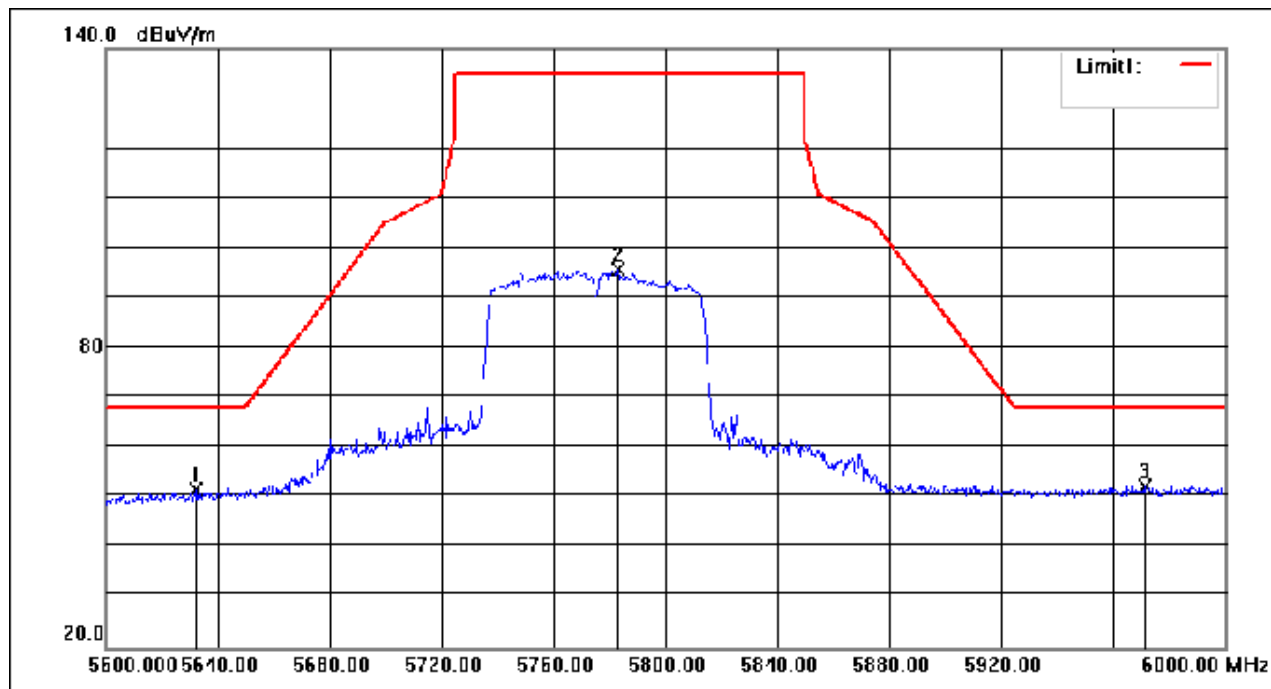
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5632.400	49.54	2.11	51.65	68.20	-16.55	peak
2	5783.200	92.66	3.06	95.72	135.00	-39.28	peak
3	5971.200	48.13	4.25	52.38	68.20	-15.82	peak



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## 7.9 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart C 15.407 (g)  
 Test Method: ANSI C63.10 (2013) Section 6.8  
 Limit: The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

### 7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1004 mbar

Test mode: e:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

h:TX mode (Band 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 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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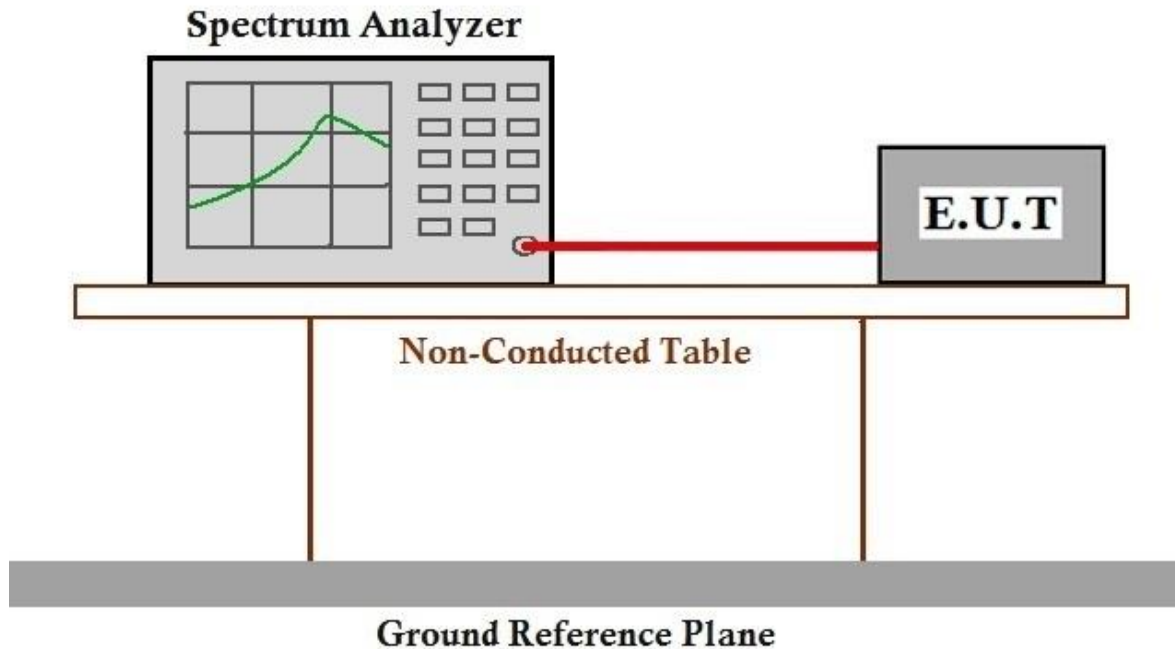
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### 7.9.2 Test Setup Diagram



### 7.9.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSEM210300035304



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## 8 Photographs

## 9 Test Setup Photographs

Refer to the < Test Setup photos-FCC>.

## 10 EUT Constructional Details

Refer to the < External Photos > & < Internal Photos >.

- End of the Report -



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