

TEST REPORT

Application No.: KSCR2210002075AT
FCC ID: 2AXNA-VTB
Applicant: AGM Global Vision LLC
Address of Applicant: 173 West Main Street, #962, Springerville, AZ 85938 USA
Manufacturer: AGM Global Vision LLC
Address of Manufacturer: 173 West Main Street, #962, Springerville, AZ 85938 USA
Equipment Under Test (EUT):
EUT Name: Bi-Spectrum Fusion Binocular
Model No.: AGM Voyage TB50-384;AGM Voyage TB50-640;AGM Voyage TB75-640;AGM Voyage LRF DS-4K;AGM Voyage TB50-384 G2;AGM Voyage TB50-640 G2;AGM Voyage TB75-640 G2;AGM Voyage LRF DS-4K G2♣
♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.

Trade Mark:



Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2022-10-27
Date of Test: 2022-10-27 to 2022-10-30
Date of Issue: 2022-11-02

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Eric Lin
Laboratory Manager


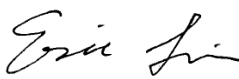


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Revision Record			
Version	Description	Date	Remark
00	Update main board & Charger	2022-11-02	Based on KSCR220800152601

Authorized for issue by:			
			
		Eric_Liu/Project Engineer	
			
		Eric Lin /Reviewer	



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2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass

Remark: This Report based on KSCR220800152601. Compared with the original product, this product changed the color of the inner board and added a capacitor on the board to improve performance. These changes have no effect on RF conducted test. So we just retest Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Emissions which fall in the restricted bands and Radiated Spurious Emissions. Other RF conducted test data please refer to report KSCR220800152601.

Declaration of EUT Family Grouping:

Note 1: There are series models mentioned in this report, and they are the Identical in electrical and electronic characters. Only the model AGM Voyage TB50-384 was tested since their differences were the model number and appearance.



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 5V by USB or DC 3.6V by battery
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz;802.11n(HT40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK);802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Number of Channels:	802.11b/g/n(HT20):11;802.11n(HT40):7
Channel Spacing:	5MHz
Antenna Type:	PCB Antenna
Antenna Gain:	0.75dBi (Provided by the manufacturer)

4.2 Power level setting using in test

Channel	802.11b	802.11g	802.11n(HT20)
	Ant 1	Ant 1	Ant 1
1	36	47	47
6	35	46	46
11	35	46	46
Channel	802.11n(HT40)		
	Ant 1		
3	47		
6	46		
9	46		

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Notebook	LENOVO	K27	EB24537645



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4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10 ⁻⁸
2	Timeout	2s
3	RF Radiated Power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
4	Radiated Spurious Emission Test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
5	Temperature Test	1°C
6	Humidity Test	3%
7	Supply Voltages	1.5%
8	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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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000207501

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4.5 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.

Note:

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

4.6 Test Facility

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

• CNAS

Compliance Certification Services (Kunshan) Inc. is accredited by the China National Accreditation Service for Conformity Assessment (CNAS). Registration No. CNAS L4354

• A2LA

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

• FCC

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

• VCCI

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-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emission at Mains Terminals (150kHz-30MHz)						
1	EMI Test Receive	R&S	ESCI	KS301101	01/22/2022	01/21/2023
2	LISN	R&S	ENV216	KS301197	01/22/2022	01/21/2023
3	LISN	Schwarzbeck	NNLK 8129	KS301091	01/22/2022	01/21/2023
4	Pulse Limiter	R&S	ESH3-Z2	KUS1902E001	01/22/2022	01/21/2023
5	CE test Cable	Thermax	/	CZ301102	11/14/2021	11/13/2022
6	Test Software	Farad	EZ-EMC	/	N.C.R	N.C.R
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/22/2022	08/21/2023
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	04/01/2022	03/31/2023
3	Signal Generator	Agilent	E8257C	KS301066	08/22/2022	08/21/2023
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	04/13/2021	04/12/2023
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2021	06/28/2023
6	Bilog Antenna	SCHWARZBECK	VULB9160	CZ301016	04/13/2021	04/12/2024
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	04/02/2022	04/01/2024
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	02/22/2021	02/21/2023
9	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	03/17/2022	03/16/2023
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/22/2022	01/21/2023
11	Amplifier(18~40GHz)	COM-POWER	PAM-840A	KUS1710E001	01/22/2022	01/21/2023
12	RE Test Cable	REBES MICROWAVE	/	CZ301097	11/14/2021	11/13/2022
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	01/04/2022	31/03/2023
14	Software	Faratronic	EZ_EMC-v 3A1	/	N/A	N/A



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6 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207

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.

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 38.2 % RH Atmospheric Pressure: 1010 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

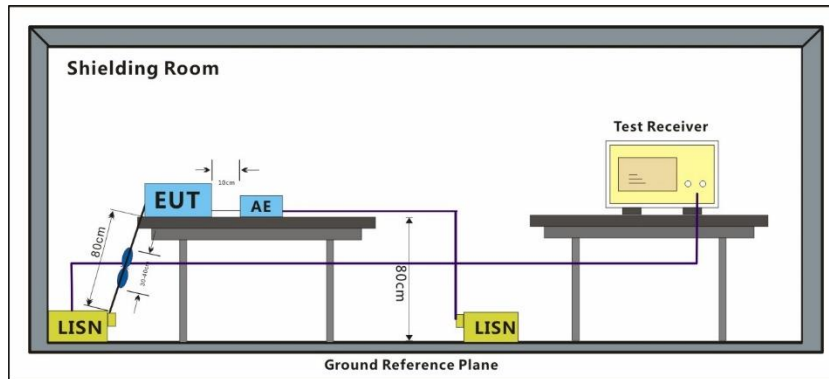


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6.1.3 Test Setup Diagram



6.1.4 Measurement Procedure and Data

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



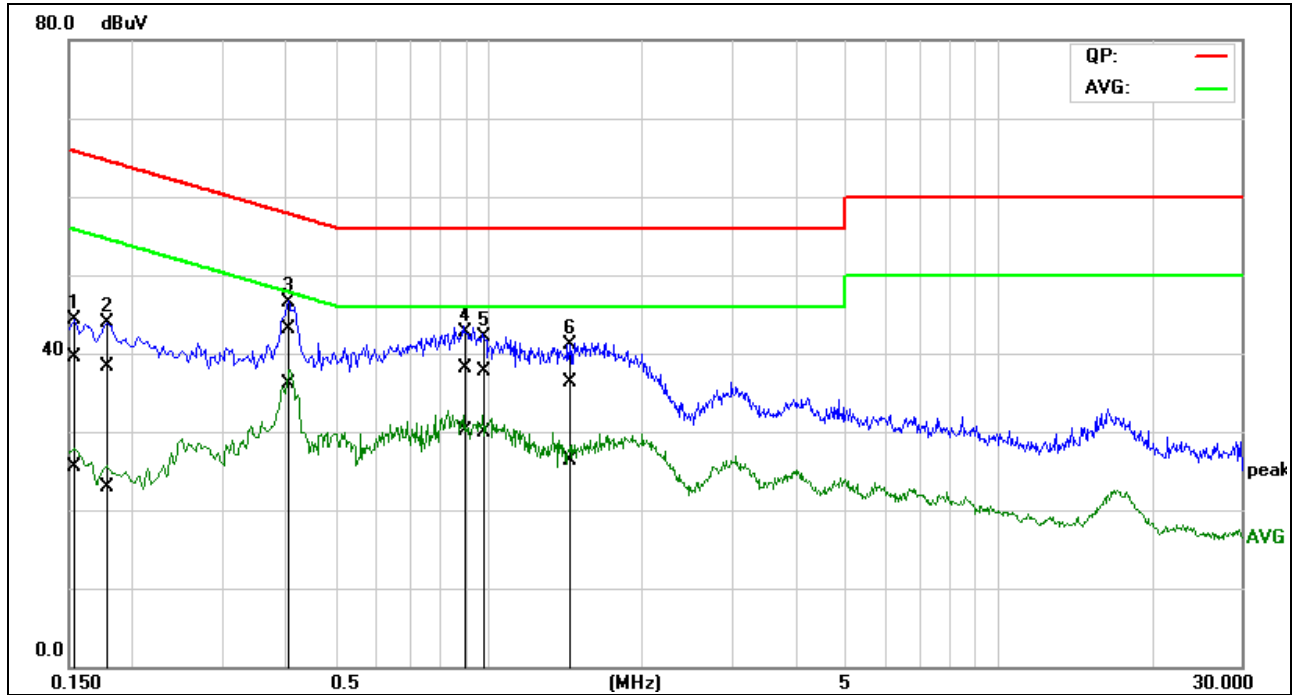
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Test Mode: 00; Line: Live line



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	0.1545	19.99	5.91	19.50	39.49	25.41	65.75	55.75	-26.26	-30.34	Pass
2	0.1757	18.86	3.50	19.50	38.36	23.00	64.69	54.69	-26.33	-31.69	Pass
3*	0.4053	23.65	16.52	19.54	43.19	36.06	57.74	47.74	-14.55	-11.68	Pass
4	0.9006	18.55	10.47	19.59	38.14	30.06	56.00	46.00	-17.86	-15.94	Pass
5	0.9869	18.14	10.31	19.60	37.74	29.91	56.00	46.00	-18.26	-16.09	Pass
6	1.4199	16.65	6.76	19.62	36.27	26.38	56.00	46.00	-19.73	-19.62	Pass

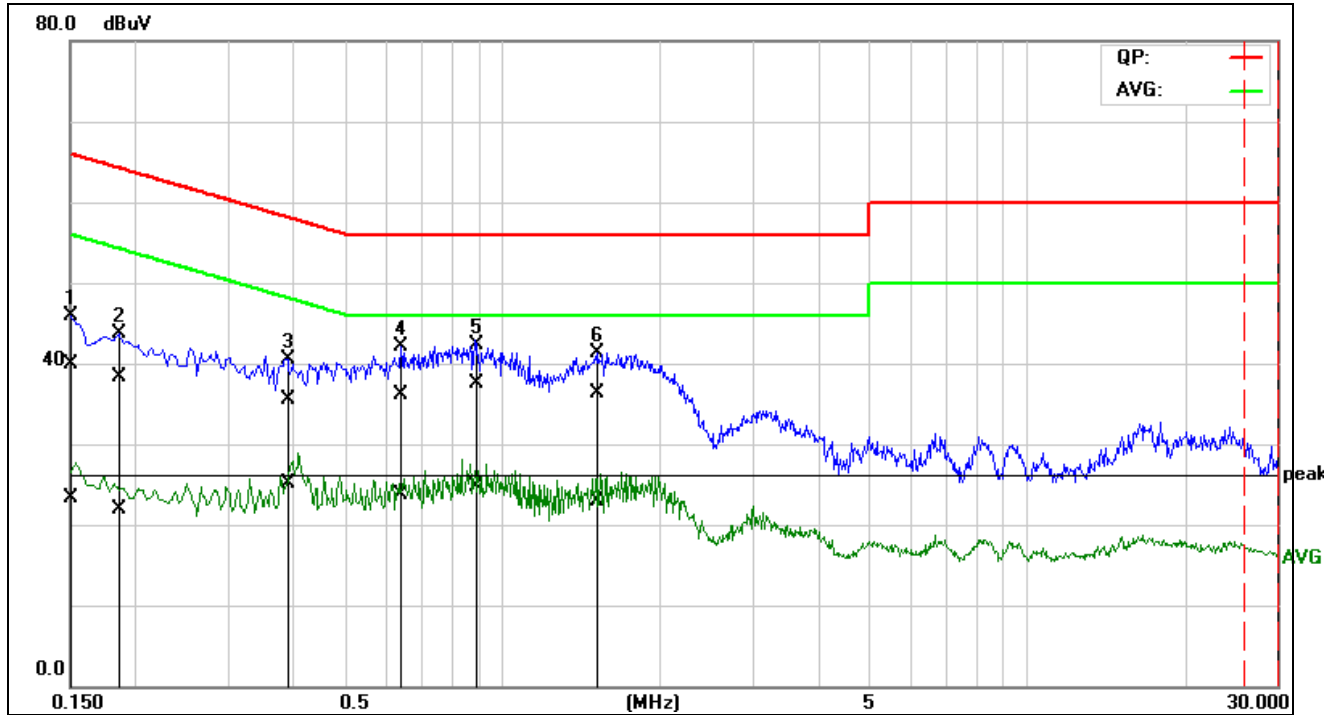


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Test Mode: 00; Line: Neutral Line



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1	0.1515	20.37	3.88	19.48	39.85	23.36	65.92	55.92	-26.07	-32.56	Pass
2	0.1853	18.85	2.33	19.49	38.34	21.82	64.24	54.24	-25.90	-32.42	Pass
3	0.3895	16.05	5.63	19.52	35.57	25.15	58.07	48.07	-22.50	-22.92	Pass
4	0.6463	16.63	4.06	19.56	36.19	23.62	56.00	46.00	-19.81	-22.38	Pass
5*	0.8943	17.92	5.10	19.59	37.51	24.69	56.00	46.00	-18.49	-21.31	Pass
6	1.5118	16.70	3.27	19.62	36.32	22.89	56.00	46.00	-19.68	-23.11	Pass



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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000207501

Page: 13 of 68

6.2 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.10.5

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.

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

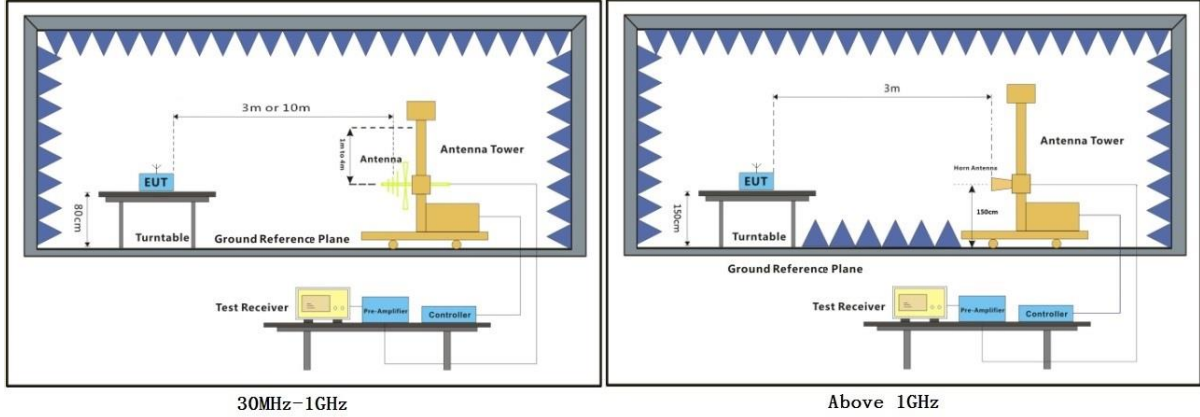


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6.2.3 Test Setup Diagram



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6.2.4 Measurement Procedure and Data

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

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

Remark 2: 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.

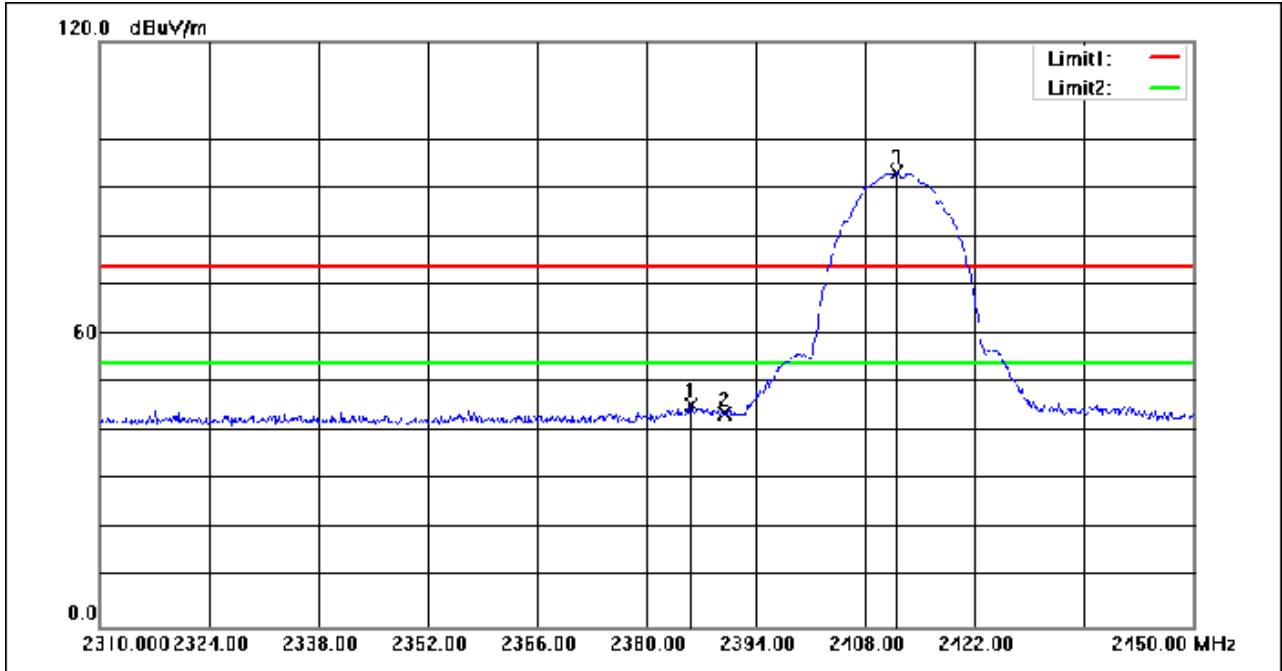


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.600	64.13	-18.76	45.37	74.00	-28.63	peak
2	2390.000	62.50	-18.75	43.75	74.00	-30.25	peak
3	2412.060	111.82	-18.71	93.11	74.00	19.11	peak

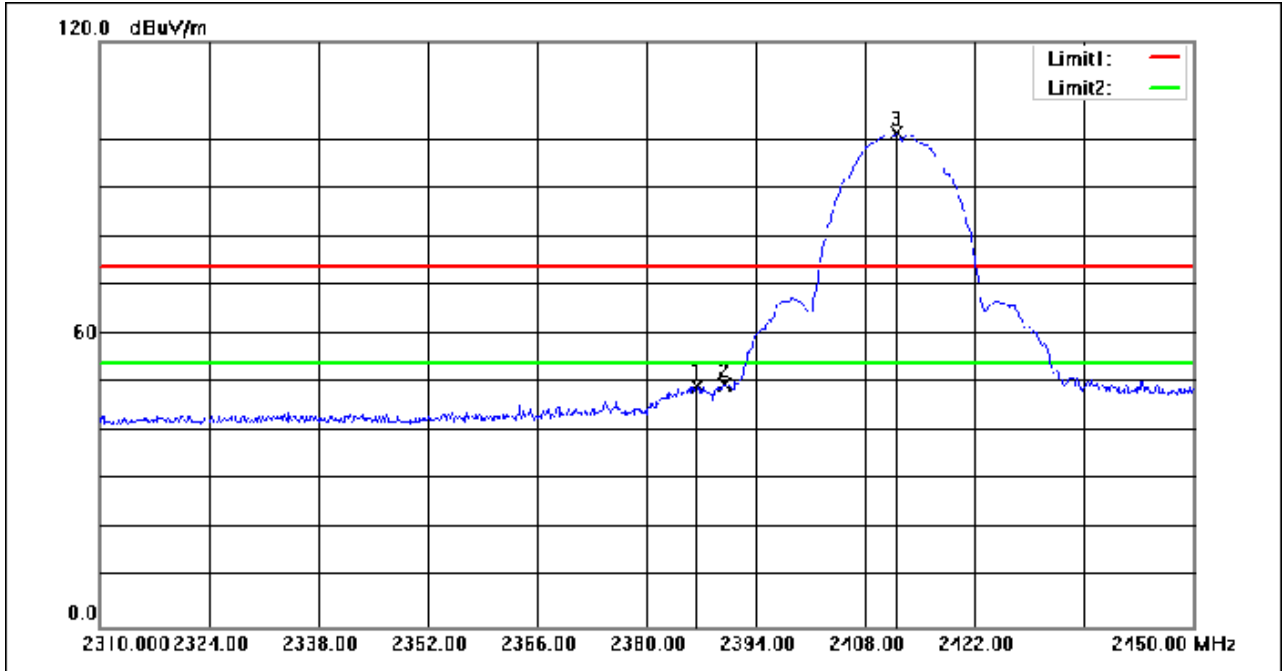


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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.440	68.08	-18.76	49.32	74.00	-24.68	peak
2	2390.000	68.27	-18.75	49.52	74.00	-24.48	peak
3	2412.060	119.83	-18.71	101.12	74.00	27.12	peak

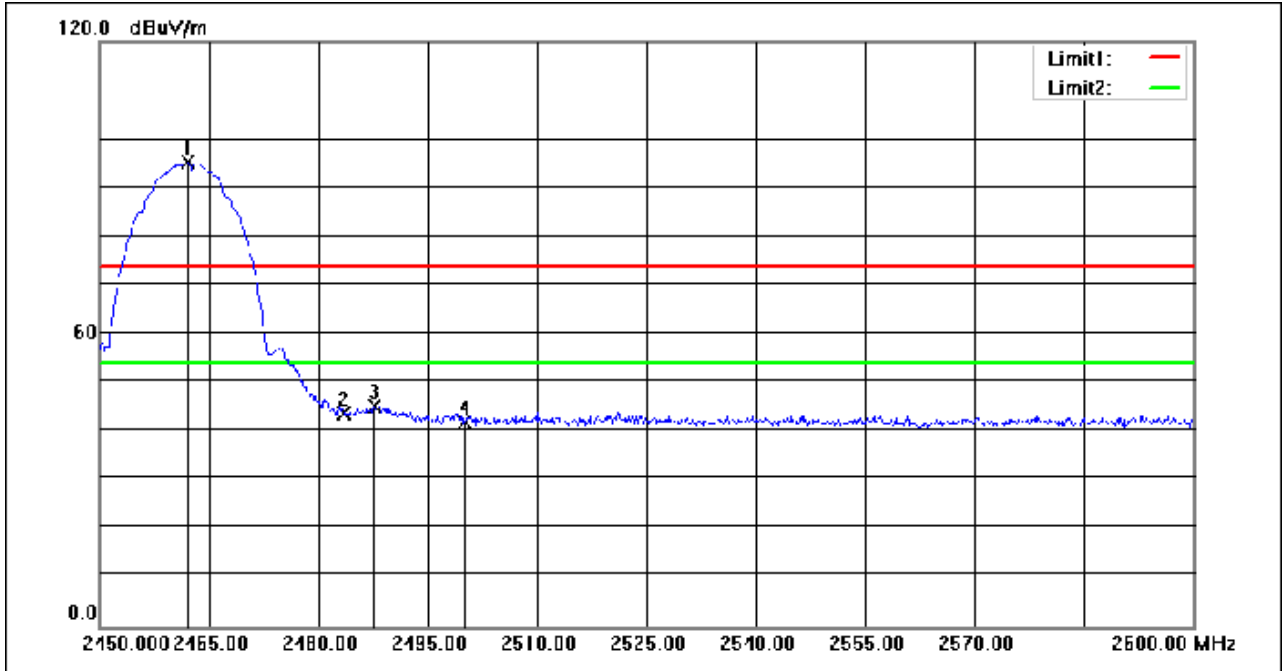


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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.000	113.64	-18.53	95.11	74.00	21.11	peak
2	2483.500	62.11	-18.45	43.66	74.00	-30.34	peak
3	2487.650	63.63	-18.43	45.20	74.00	-28.80	peak
4	2500.000	60.31	-18.38	41.93	74.00	-32.07	peak

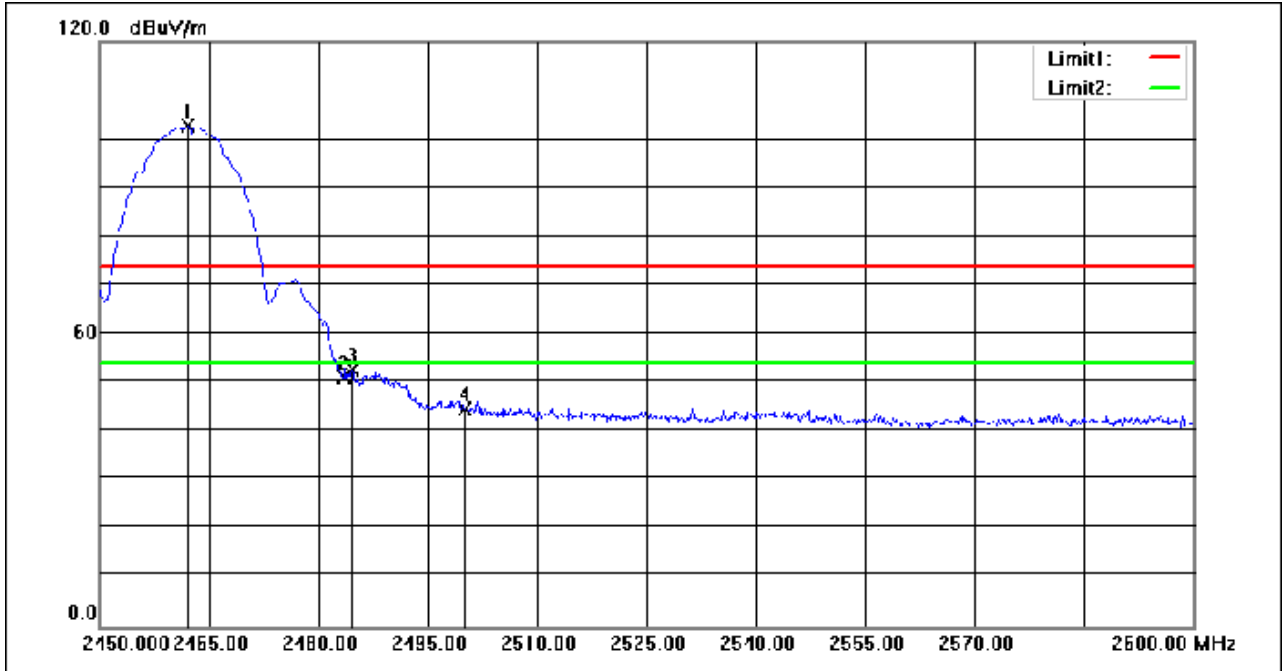


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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2462.000	121.14	-18.53	102.61	74.00	28.61	peak
2	2483.500	69.68	-18.45	51.23	74.00	-22.77	peak
3	2484.650	71.14	-18.44	52.70	74.00	-21.30	peak
4	2500.000	62.83	-18.38	44.45	74.00	-29.55	peak

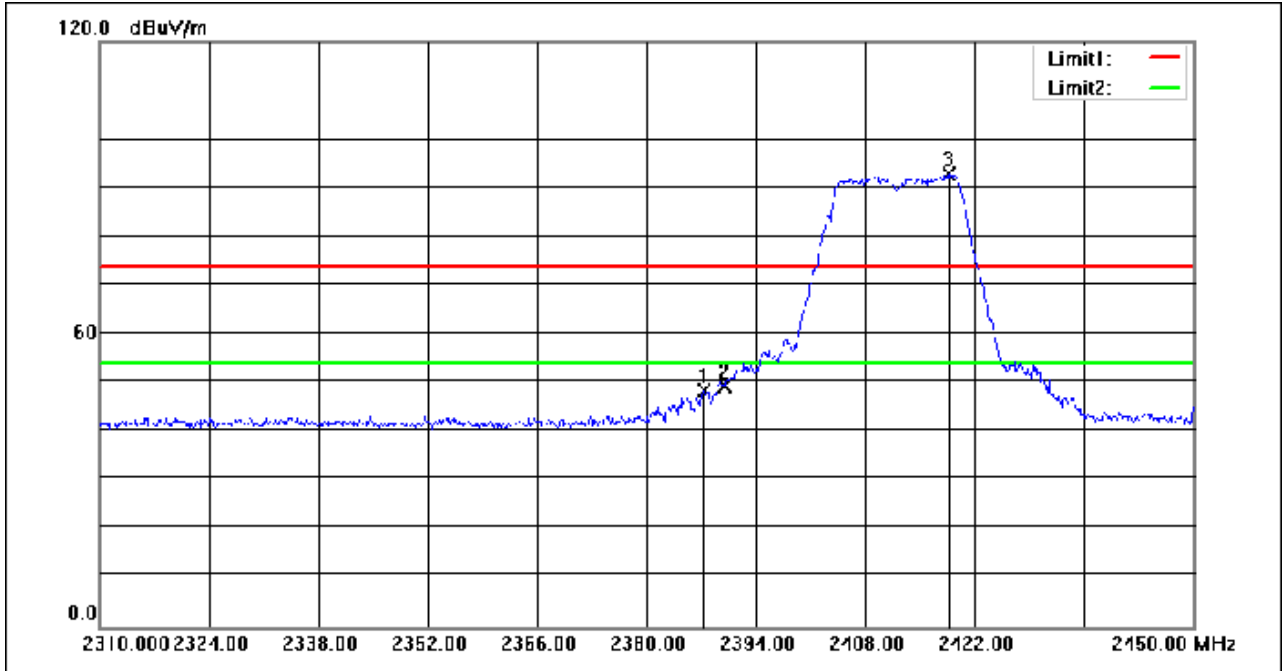


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2387.420	67.09	-18.76	48.33	74.00	-25.67	peak
2	2390.000	68.10	-18.75	49.35	74.00	-24.65	peak
3	2418.640	111.49	-18.68	92.81	74.00	18.81	peak

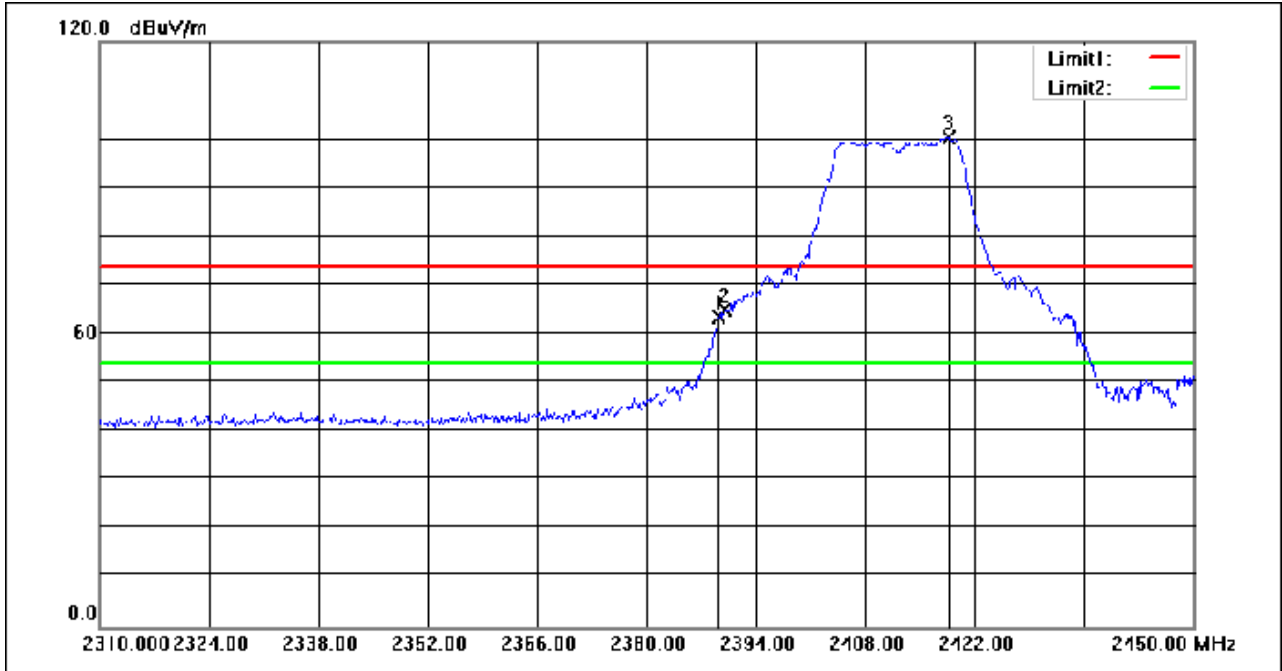


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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.240	82.22	-18.75	63.47	74.00	-10.53	peak
2	2390.000	83.56	-18.75	64.81	74.00	-9.19	peak
3	2418.640	119.09	-18.68	100.41	74.00	26.41	peak

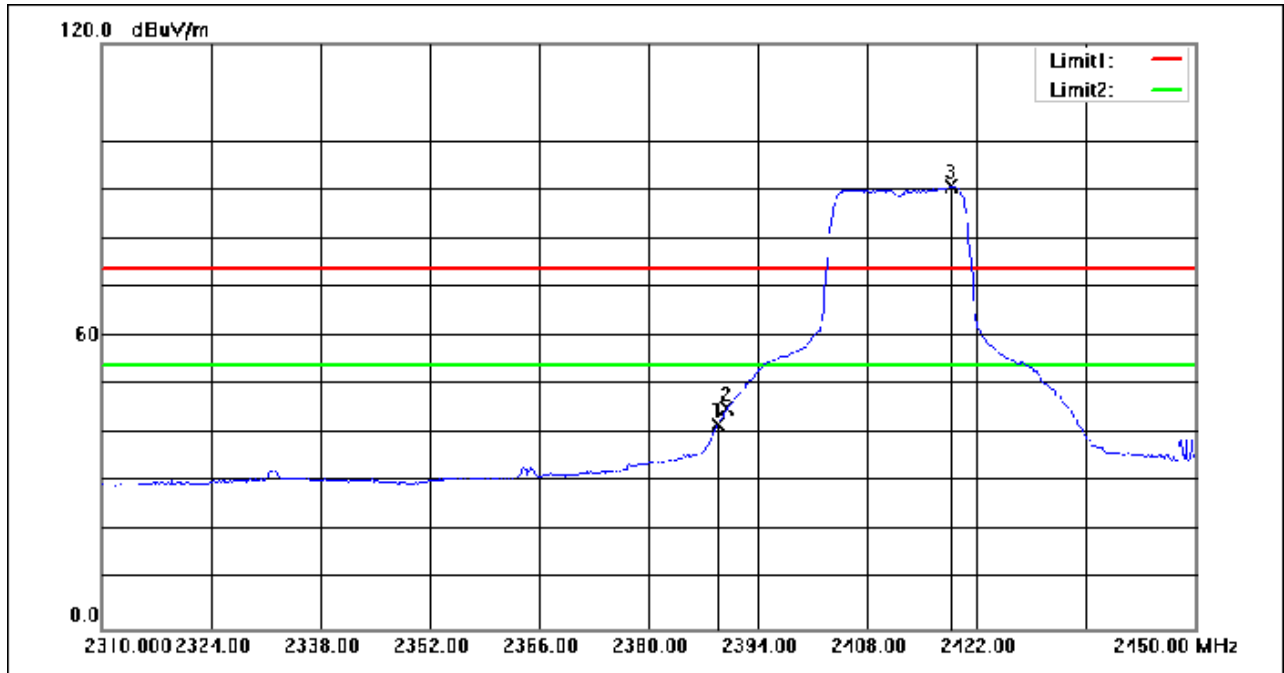


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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.820	60.51	-18.75	41.76	54.00	-12.24	AVG
2	2390.000	63.91	-18.75	45.16	54.00	-8.84	AVG
3	2418.780	109.51	-18.68	90.83	54.00	36.83	AVG

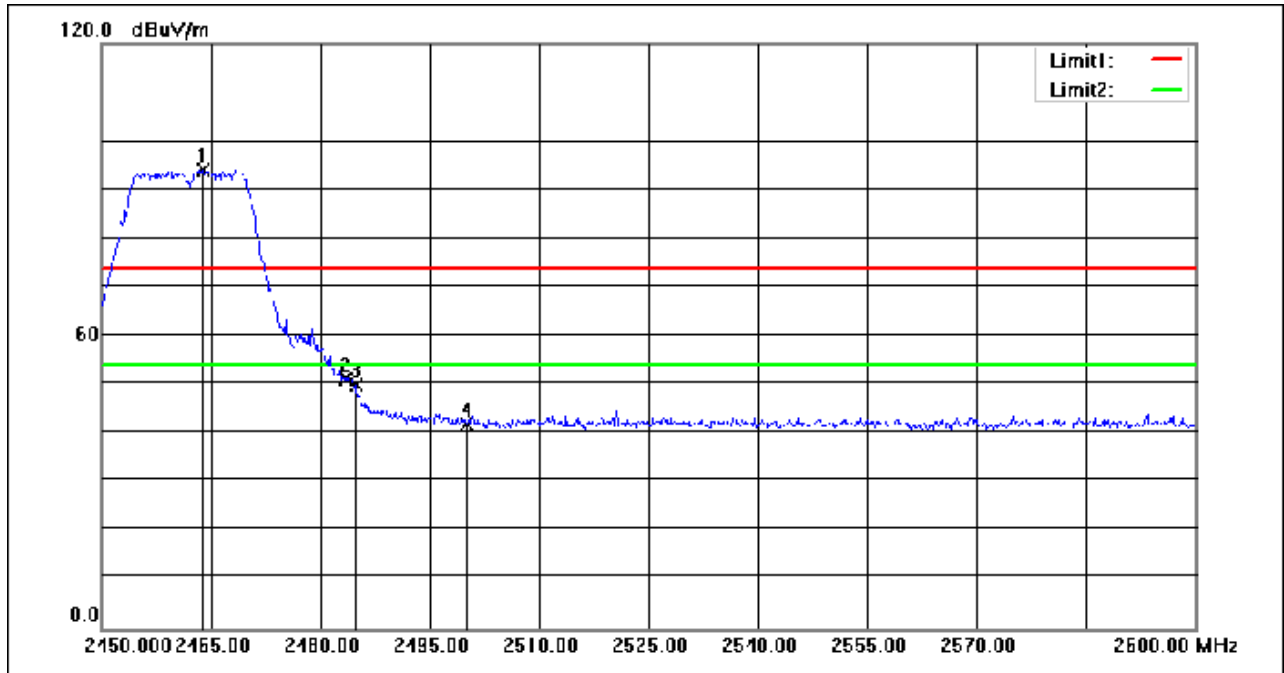


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.800	112.61	-18.52	94.09	74.00	20.09	peak
2	2483.500	69.66	-18.45	51.21	74.00	-22.79	peak
3	2484.800	68.53	-18.44	50.09	74.00	-23.91	peak
4	2500.000	60.37	-18.38	41.99	74.00	-32.01	peak

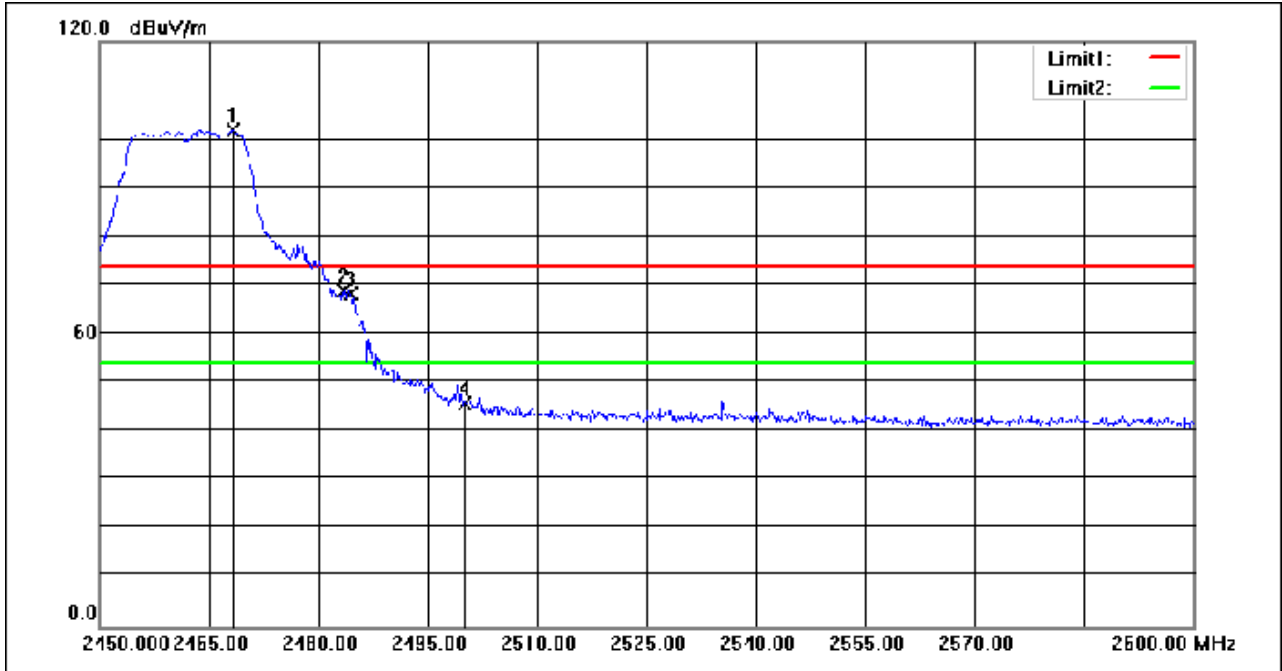


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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2468.300	120.46	-18.50	101.96	74.00	27.96	peak
2	2483.500	87.42	-18.45	68.97	74.00	-5.03	peak
3	2484.500	86.81	-18.44	68.37	74.00	-5.63	peak
4	2500.000	64.28	-18.38	45.90	74.00	-28.10	peak

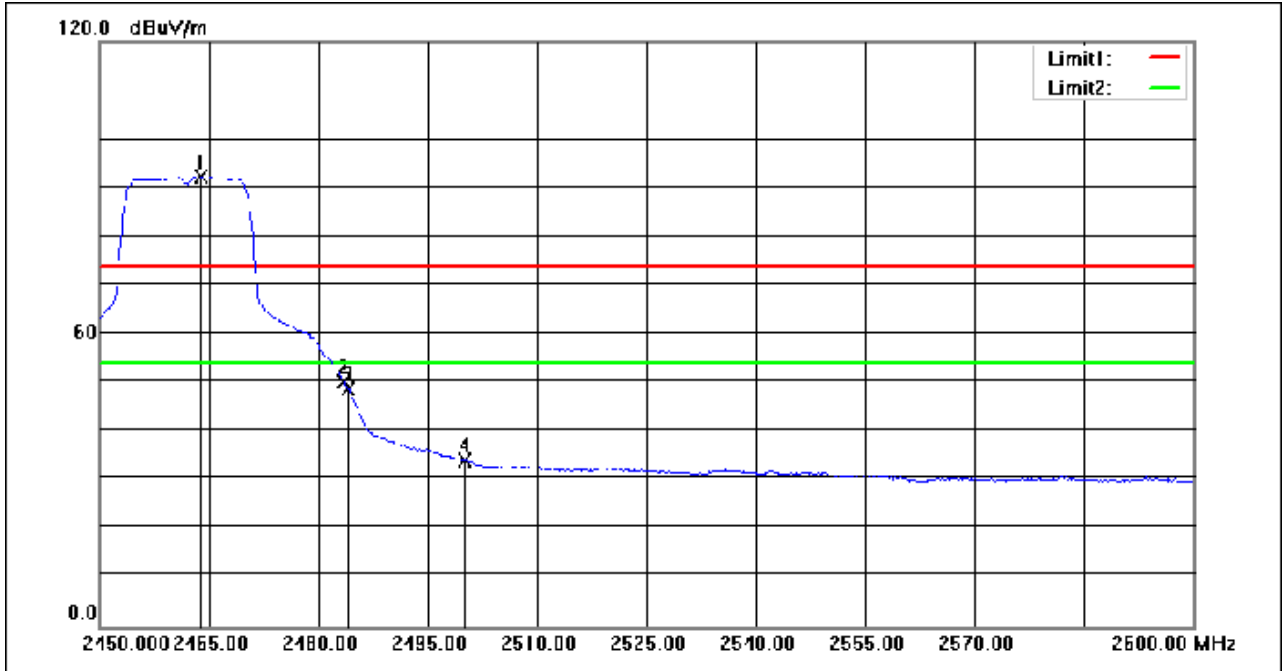


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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2463.800	110.72	-18.52	92.20	54.00	38.20	AVG
2	2483.500	68.68	-18.45	50.23	54.00	-3.77	AVG
3	2484.050	67.32	-18.44	48.88	54.00	-5.12	AVG
4	2500.000	52.39	-18.38	34.01	54.00	-19.99	AVG

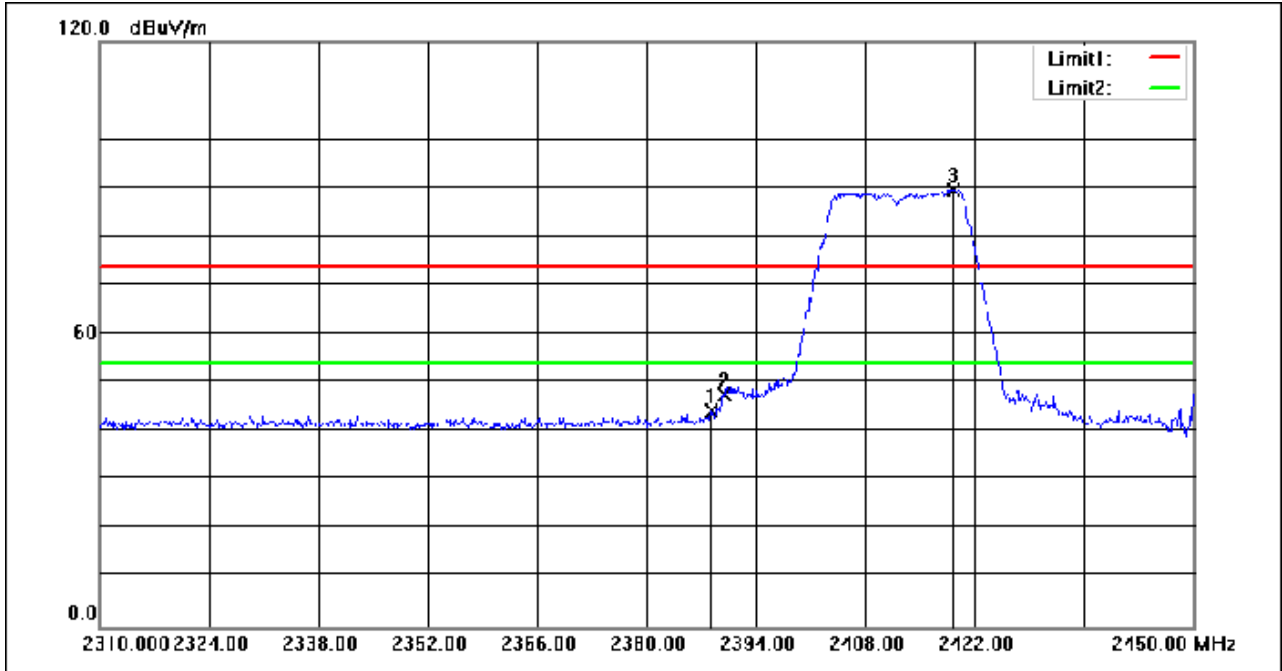


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.260	63.09	-18.75	44.34	74.00	-29.66	peak
2	2390.000	66.22	-18.75	47.47	74.00	-26.53	peak
3	2419.200	108.29	-18.68	89.61	74.00	15.61	peak

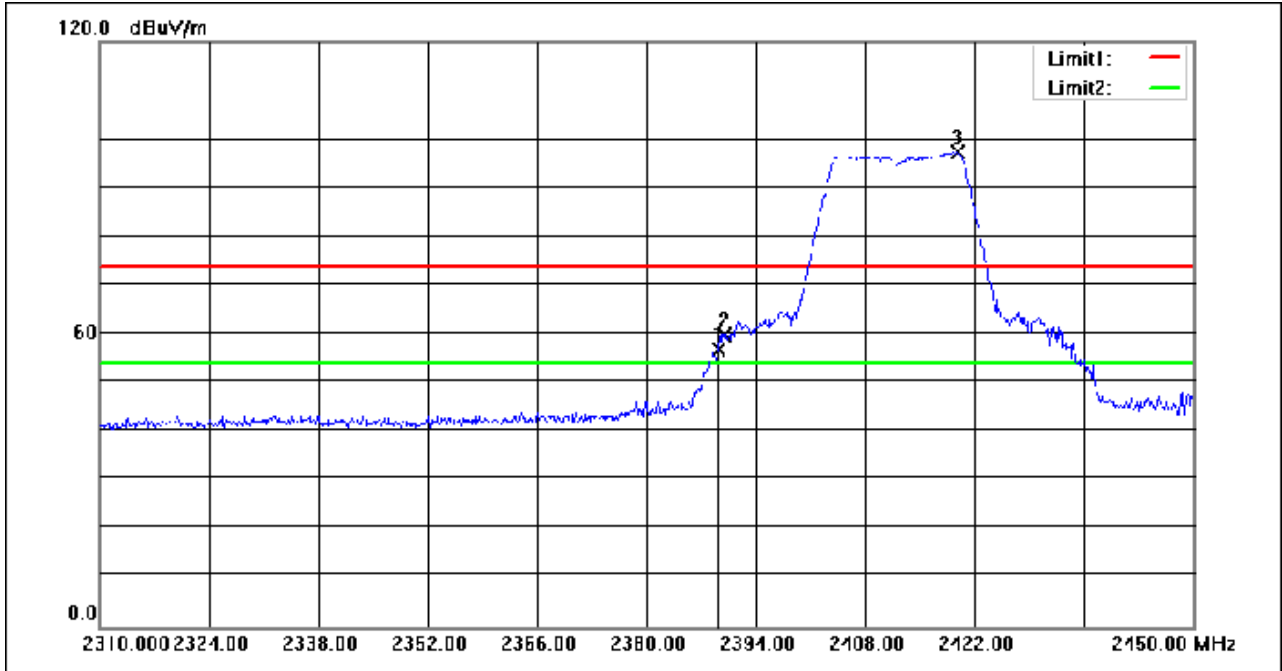


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.240	75.60	-18.75	56.85	74.00	-17.15	peak
2	2390.000	78.68	-18.75	59.93	74.00	-14.07	peak
3	2419.760	115.98	-18.67	97.31	74.00	23.31	peak

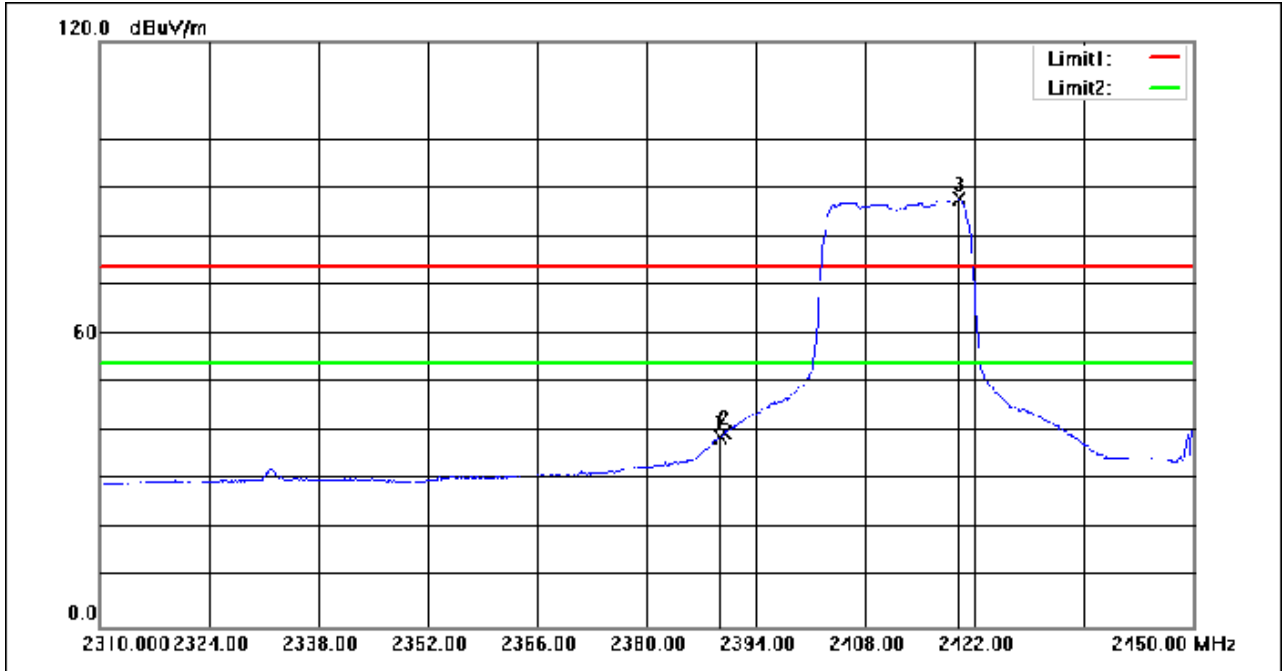


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2389.380	57.52	-18.75	38.77	54.00	-15.23	AVG
2	2390.000	58.45	-18.75	39.70	54.00	-14.30	AVG
3	2420.040	106.37	-18.67	87.70	54.00	33.70	AVG

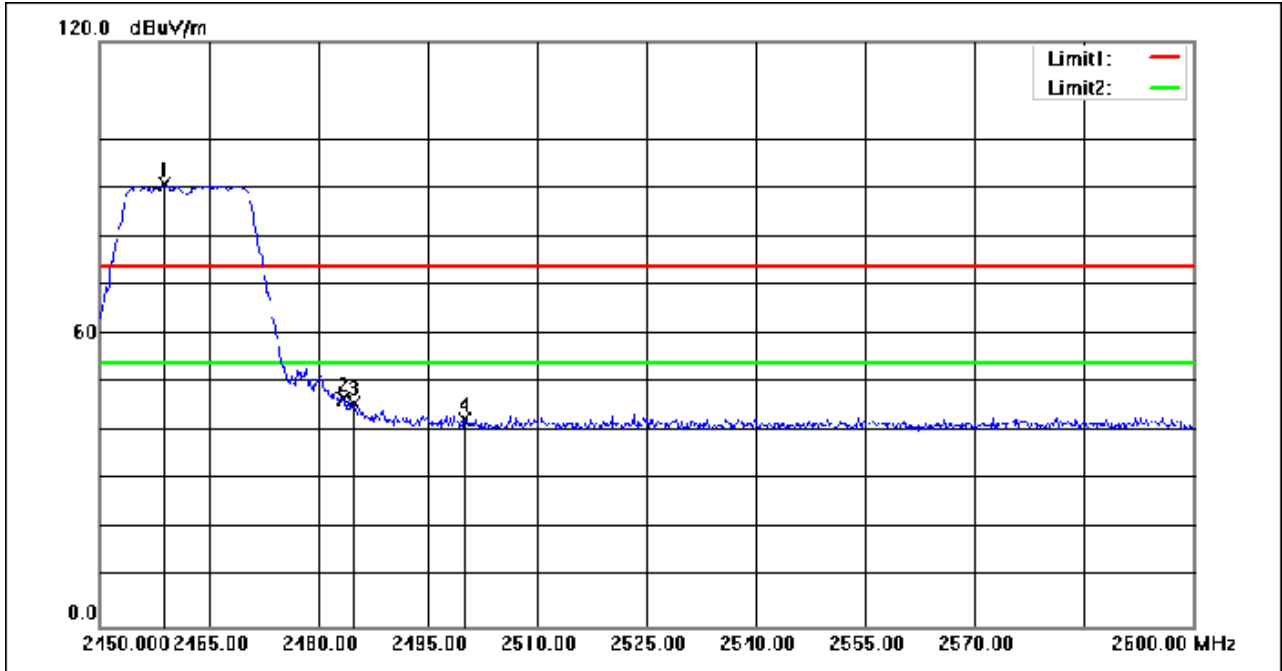


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2458.850	109.30	-18.54	90.76	74.00	16.76	peak
2	2483.500	65.01	-18.45	46.56	74.00	-27.44	peak
3	2484.950	64.25	-18.44	45.81	74.00	-28.19	peak
4	2500.000	60.75	-18.38	42.37	74.00	-31.63	peak

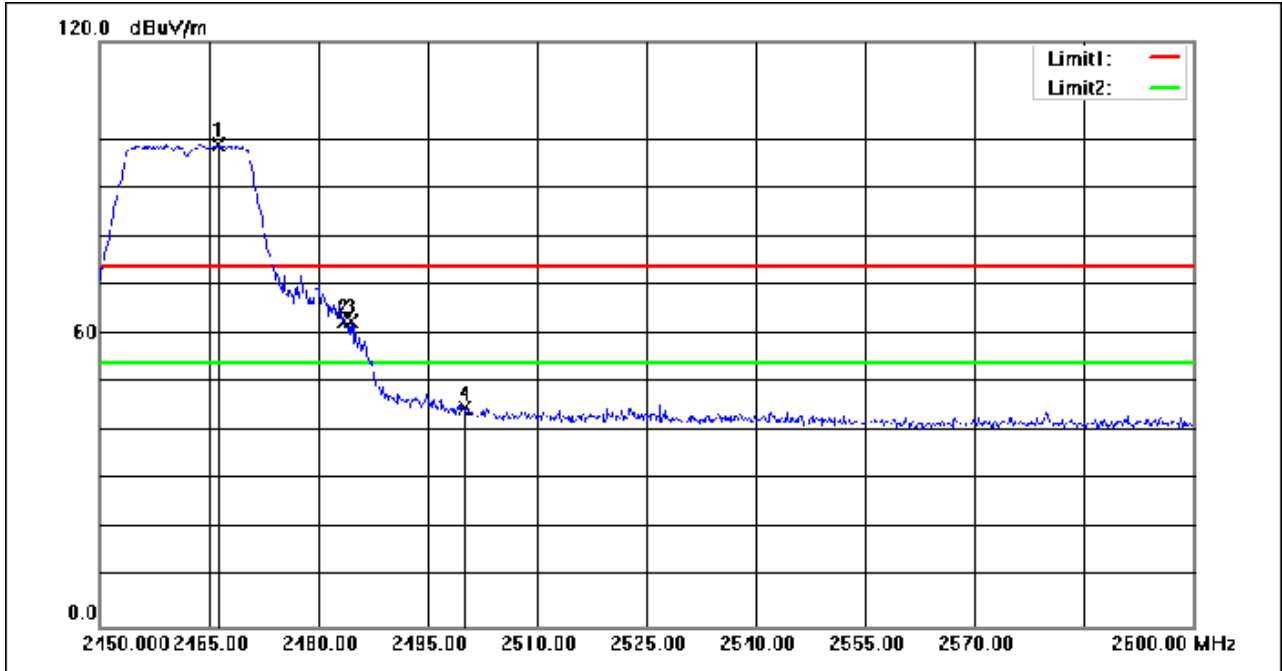


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2466.350	117.36	-18.50	98.86	74.00	24.86	peak
2	2483.500	81.05	-18.45	62.60	74.00	-11.40	peak
3	2484.500	81.07	-18.44	62.63	74.00	-11.37	peak
4	2500.000	63.25	-18.38	44.87	74.00	-29.13	peak

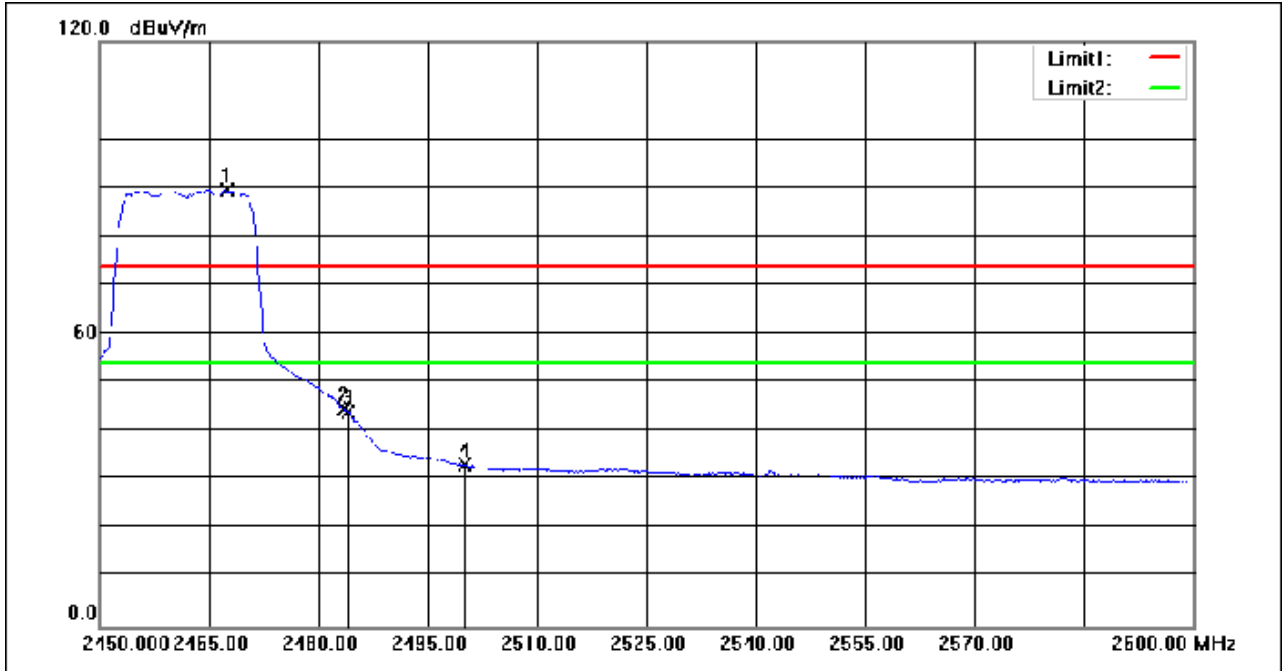


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2467.400	107.95	-18.50	89.45	54.00	35.45	AVG
2	2483.500	62.97	-18.45	44.52	54.00	-9.48	AVG
3	2484.050	62.42	-18.44	43.98	54.00	-10.02	AVG
4	2500.000	51.56	-18.38	33.18	54.00	-20.82	AVG

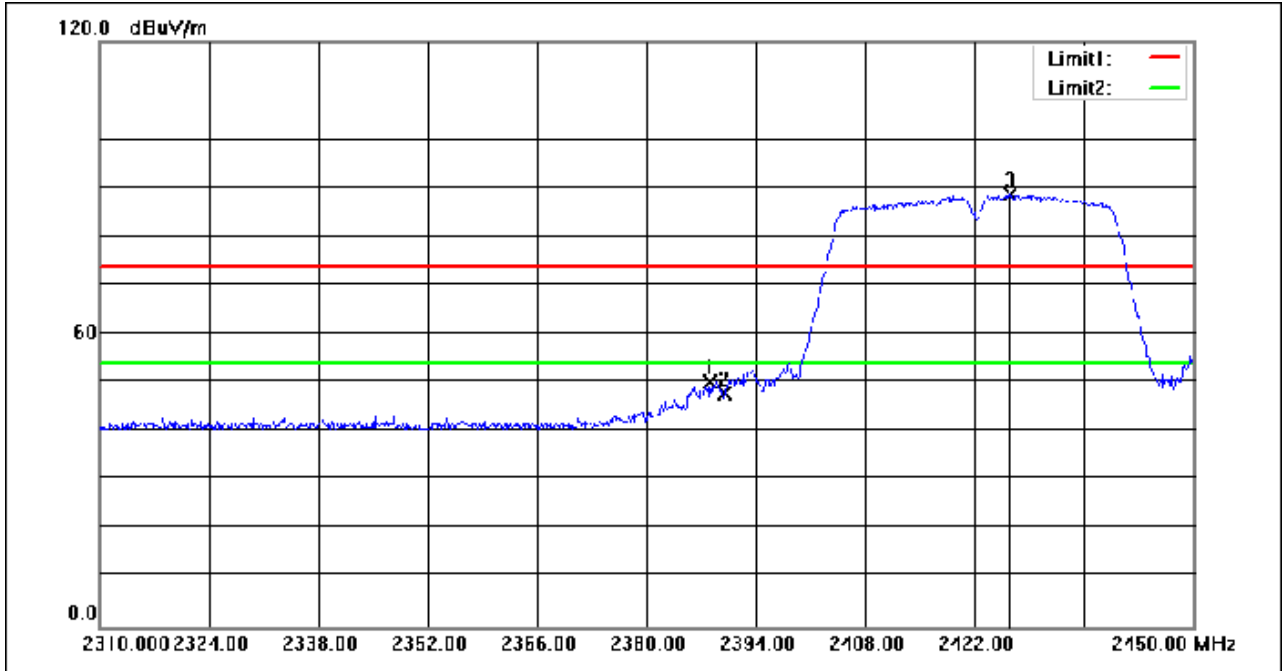


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.120	68.92	-18.75	50.17	74.00	-23.83	peak
2	2390.000	66.48	-18.75	47.73	74.00	-26.27	peak
3	2426.620	107.33	-18.66	88.67	74.00	14.67	peak

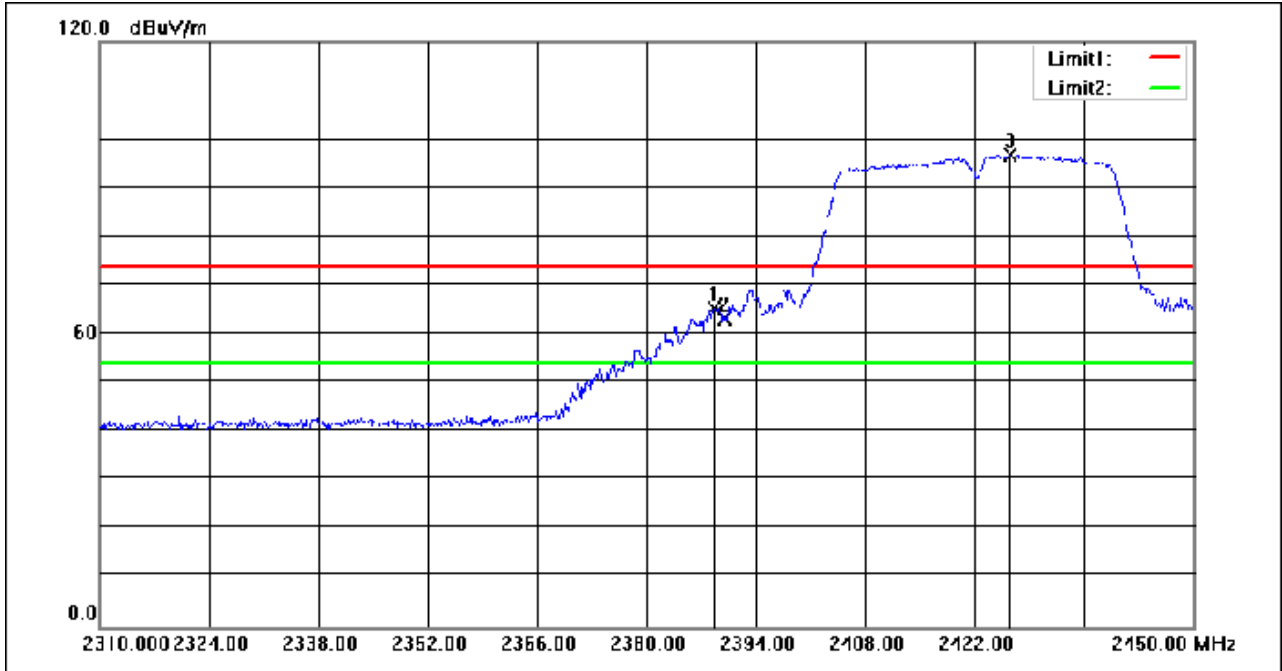


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.680	83.89	-18.75	65.14	74.00	-8.86	peak
2	2390.000	81.83	-18.75	63.08	74.00	-10.92	peak
3	2426.480	115.54	-18.66	96.88	74.00	22.88	peak

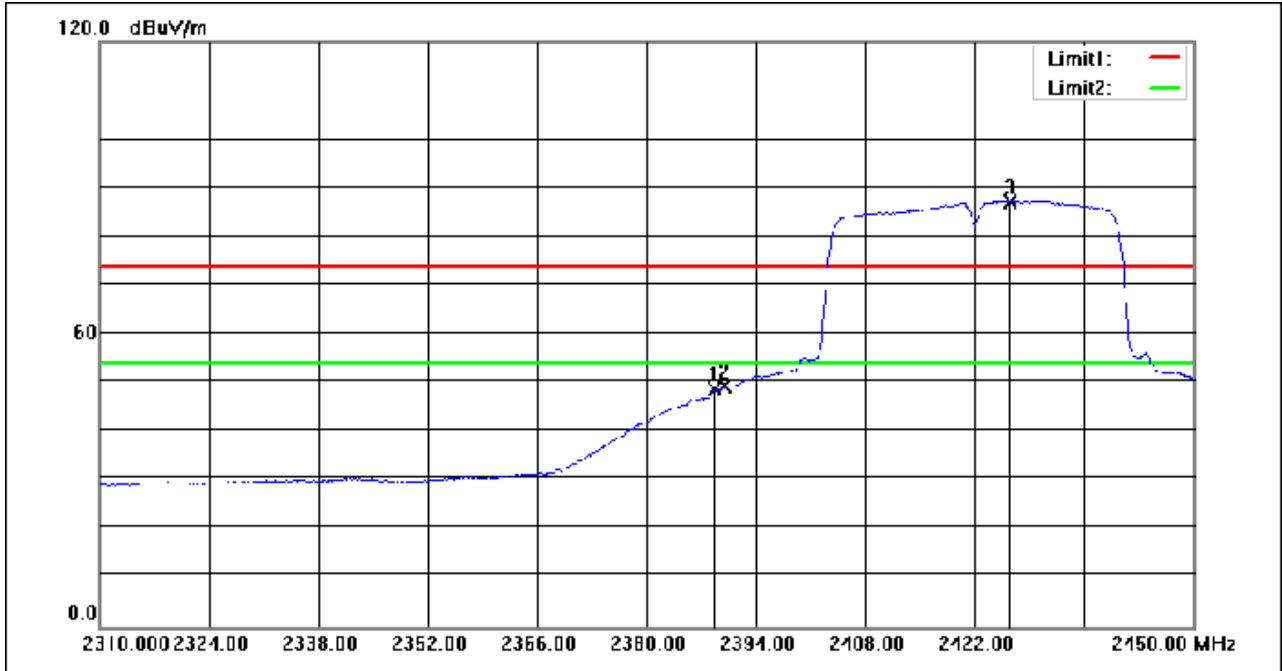


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2388.680	67.45	-18.75	48.70	54.00	-5.30	AVG
2	2390.000	67.97	-18.75	49.22	54.00	-4.78	AVG
3	2426.480	105.91	-18.66	87.25	54.00	33.25	AVG

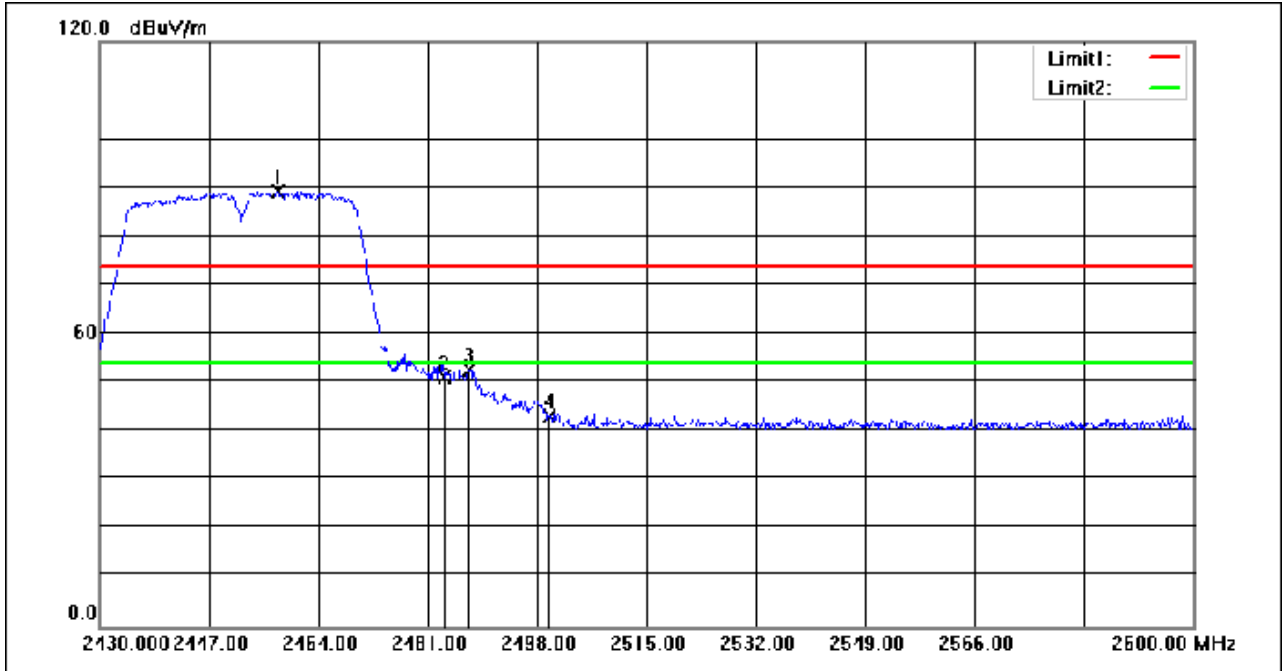


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2457.710	107.78	-18.54	89.24	74.00	15.24	peak
2	2483.500	69.48	-18.45	51.03	74.00	-22.97	peak
3	2487.460	71.19	-18.44	52.75	74.00	-21.25	peak
4	2500.000	61.52	-18.38	43.14	74.00	-30.86	peak

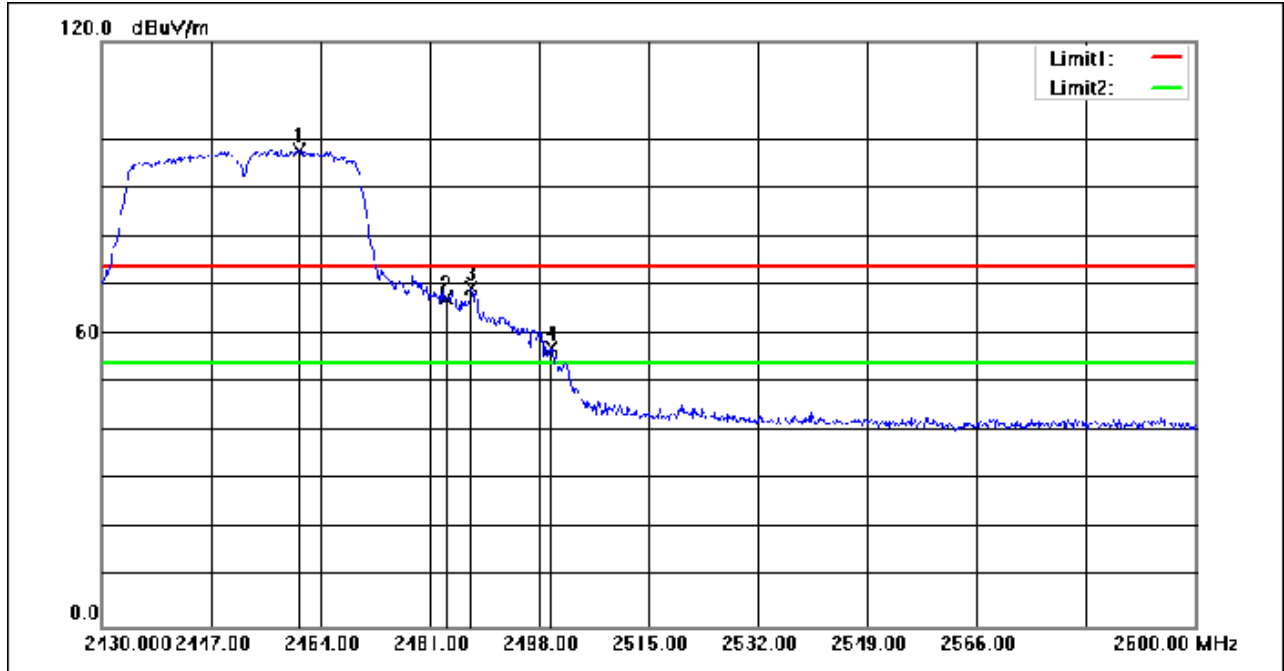


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2460.770	116.24	-18.53	97.71	74.00	23.71	peak
2	2483.500	85.67	-18.45	67.22	74.00	-6.78	peak
3	2487.460	87.88	-18.44	69.44	74.00	-4.56	peak
4	2500.000	75.54	-18.38	57.16	74.00	-16.84	peak

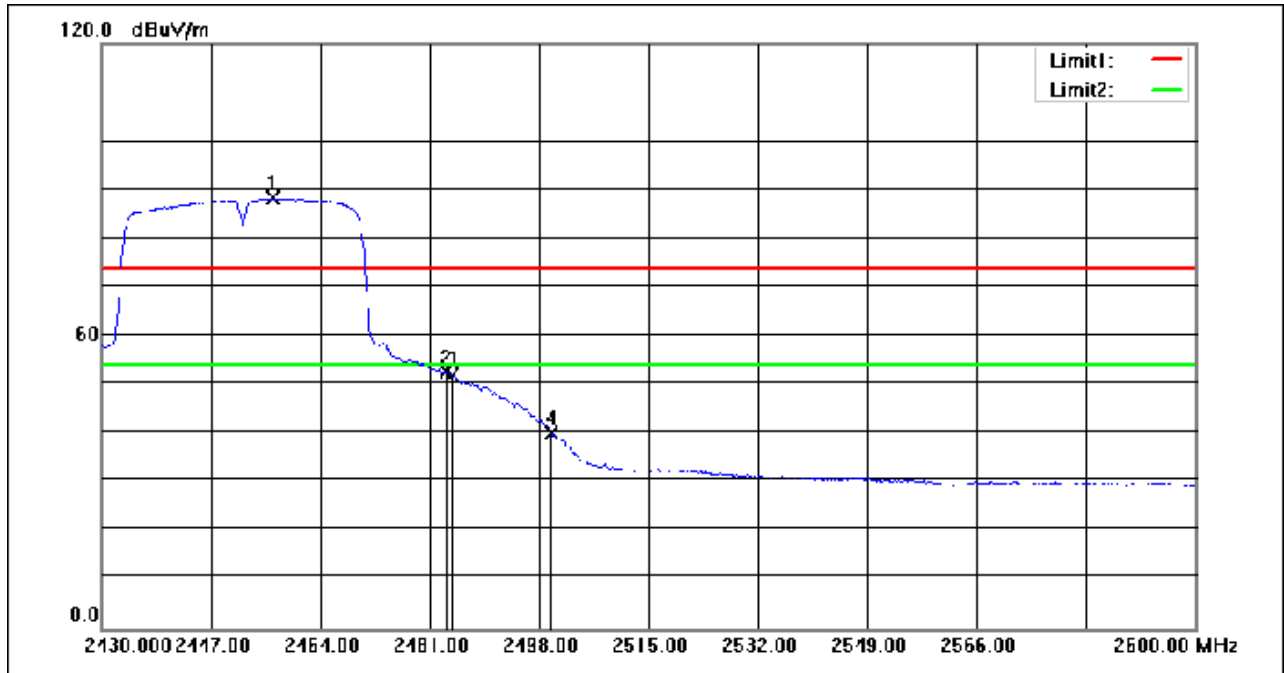


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2456.520	106.76	-18.54	88.22	54.00	34.22	AVG
2	2483.500	71.06	-18.45	52.61	54.00	-1.39	AVG
3	2484.570	70.59	-18.44	52.15	54.00	-1.85	AVG
4	2500.000	58.47	-18.38	40.09	54.00	-13.91	AVG



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6.3 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

6.3.1 E.U.T. Operation

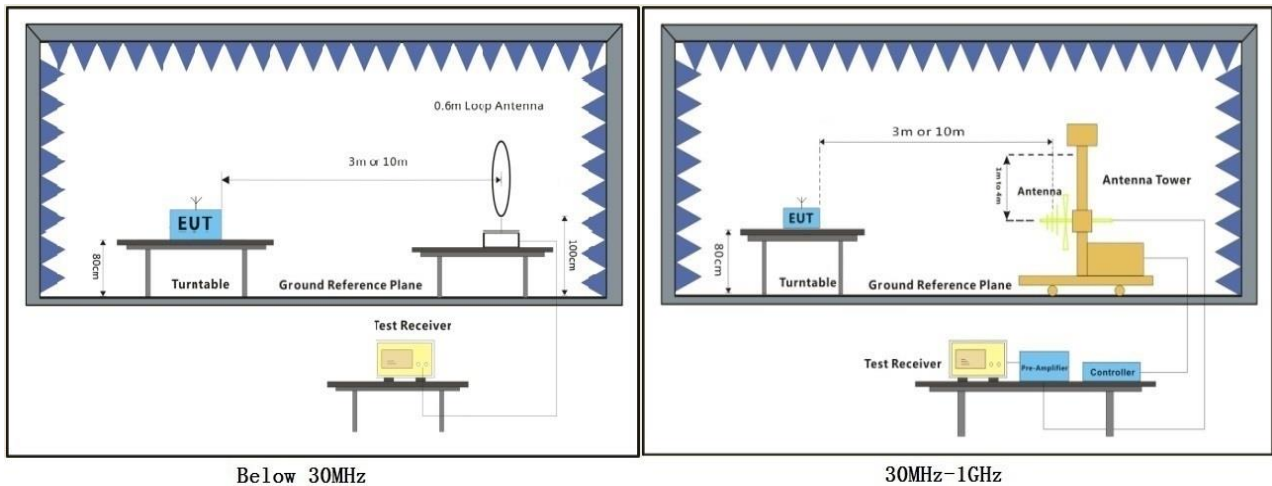
Operating Environment:

Temperature: 25 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

6.3.3 Test Setup Diagram



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6.3.4 Measurement Procedure and Data

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

Remark:

- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

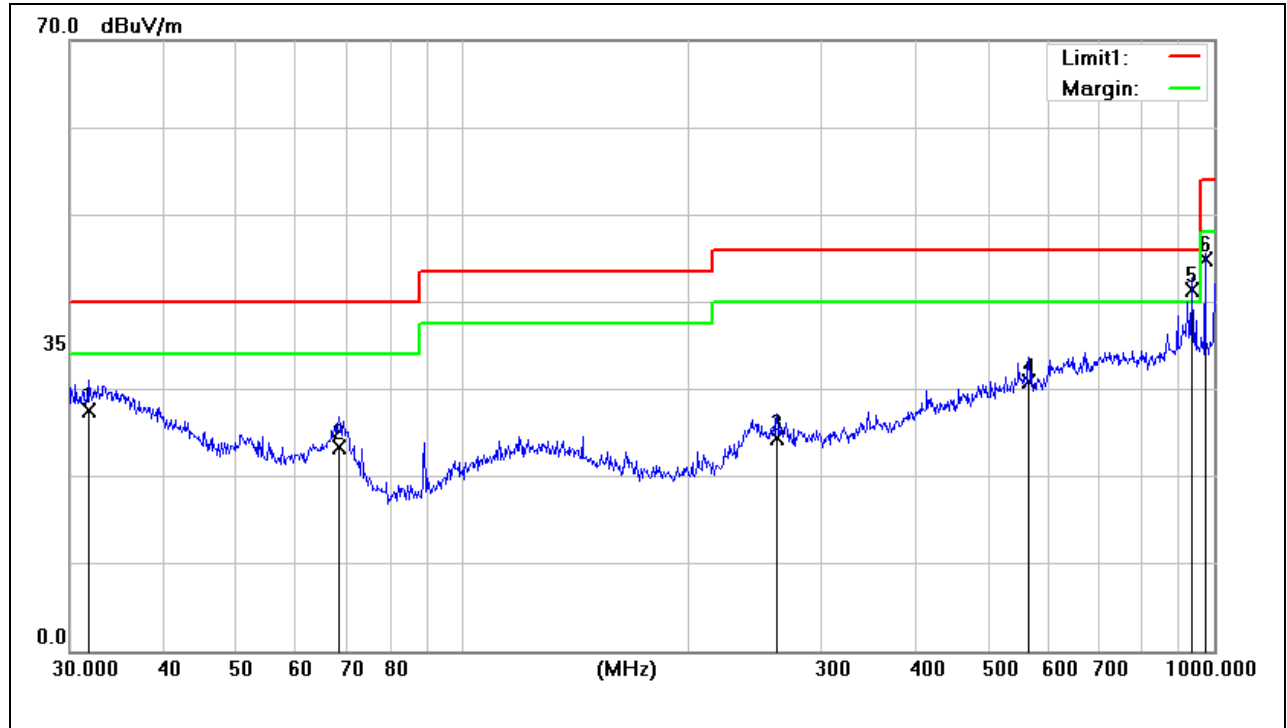


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Test Mode: 00; Polarity: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	31.8427	2.33	25.16	27.49	40.00	-12.51	200	210	QP
2	68.3908	7.81	15.55	23.36	40.00	-16.64	200	79	QP
3	261.9753	3.37	21.04	24.41	46.00	-21.59	100	333	QP
4	566.6223	3.47	27.37	30.84	46.00	-15.16	100	344	QP
5	935.5463	38.87	2.58	41.45	46.00	-4.55	122	360	QP
6	972.3374	42.37	2.50	44.87	54.00	-9.13	114	360	QP

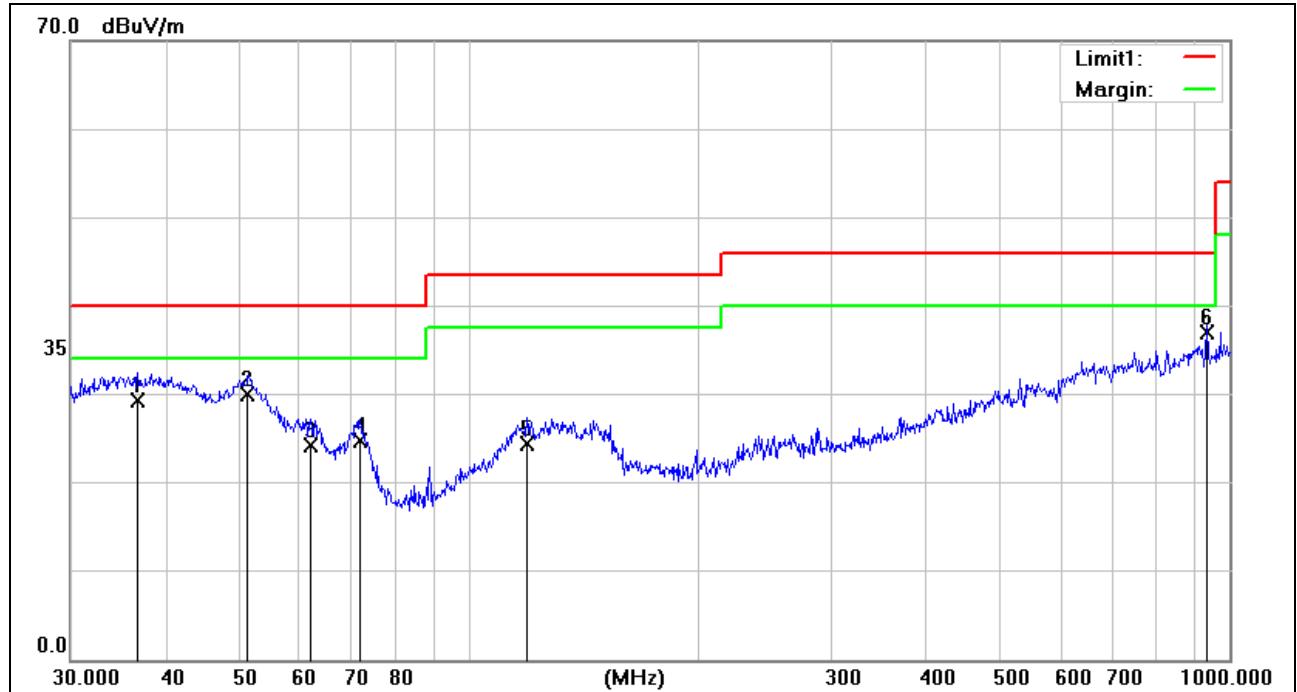


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Test Mode: 00; Polarity: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	36.7662	5.64	23.70	29.34	40.00	-10.66	100	163	QP
2	51.3005	12.66	17.31	29.97	40.00	-10.03	100	163	QP
3	61.9951	9.49	14.69	24.18	40.00	-15.82	153	119	QP
4	72.0843	9.06	15.62	24.68	40.00	-15.32	101	127	QP
5	119.4361	4.99	19.35	24.34	43.50	-19.16	201	270	QP
6	932.2715	34.44	2.57	37.01	46.00	-8.99	100	83	QP



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6.4 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.6

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

6.4.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C

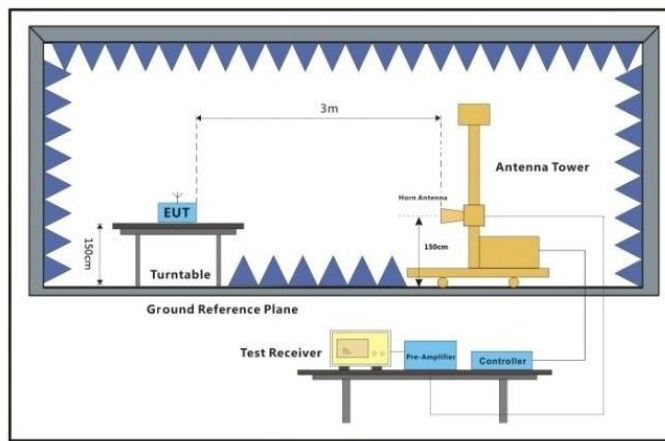
Humidity: 50 % RH

Atmospheric Pressure: 1010 mbar

6.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

6.4.3 Test Setup Diagram



Above 1GHz



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6.4.4 Measurement Procedure and Data

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

Remark:

- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

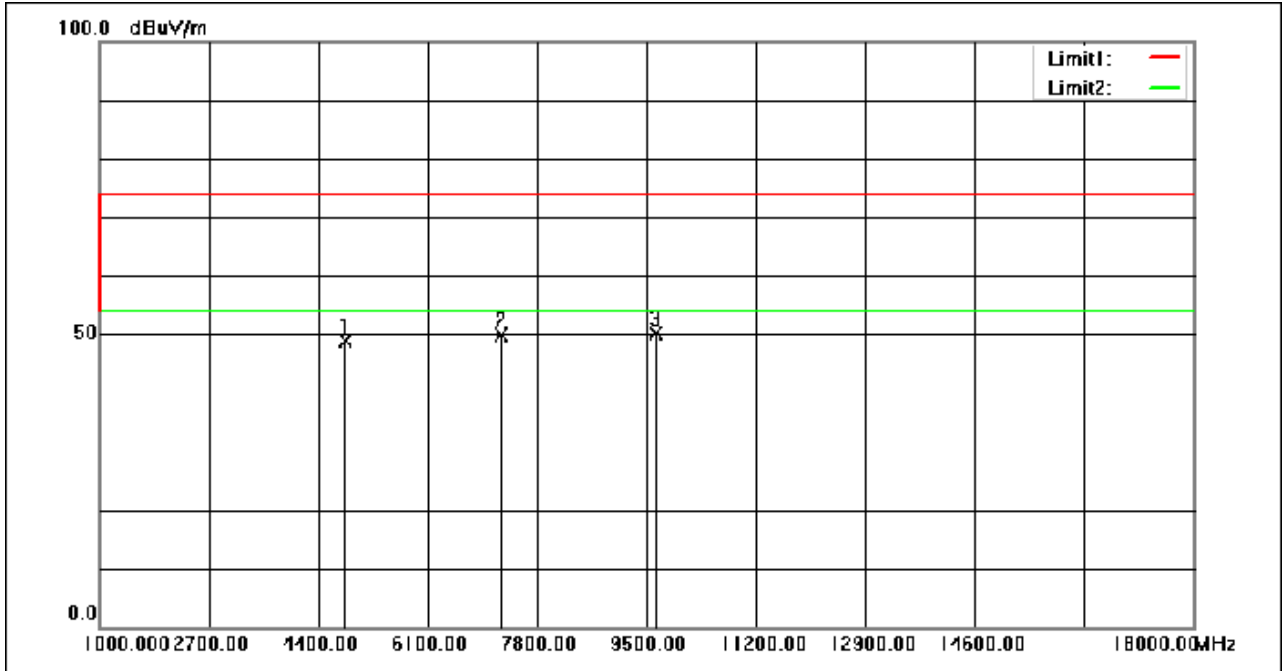


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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.64	-8.78	48.86	74.00	-25.14	peak
2	7236.000	55.67	-5.86	49.81	74.00	-24.19	peak
3	9648.000	51.54	-1.31	50.23	74.00	-23.77	peak



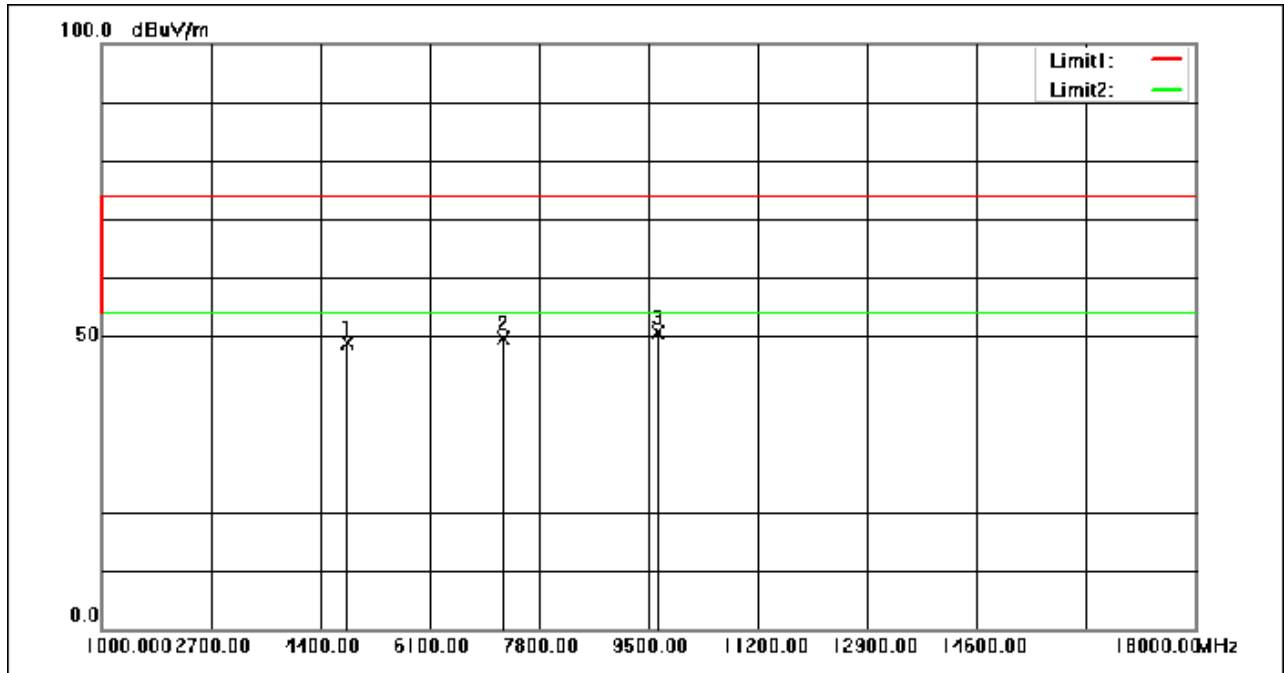
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.61	-8.78	48.83	74.00	-25.17	peak
2	7236.000	55.53	-5.86	49.67	74.00	-24.33	peak
3	9648.000	51.88	-1.31	50.57	74.00	-23.43	peak

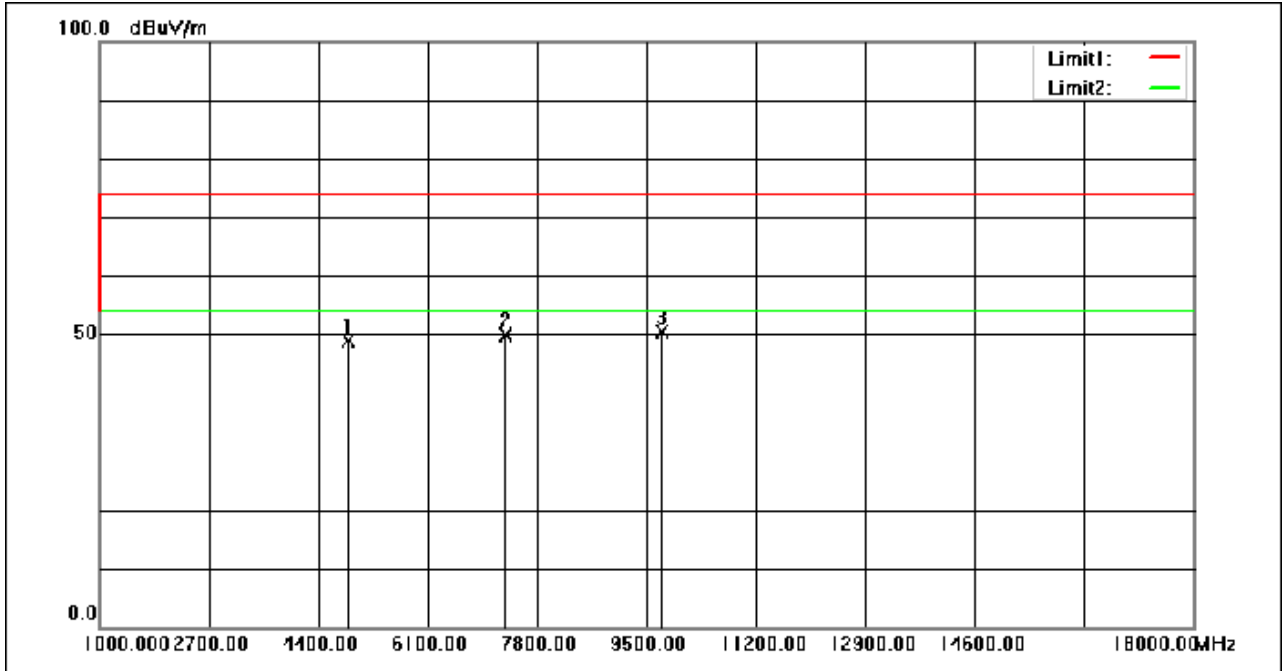


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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	57.56	-8.61	48.95	74.00	-25.05	peak
2	7311.000	55.61	-5.78	49.83	74.00	-24.17	peak
3	9748.000	51.69	-1.43	50.26	74.00	-23.74	peak



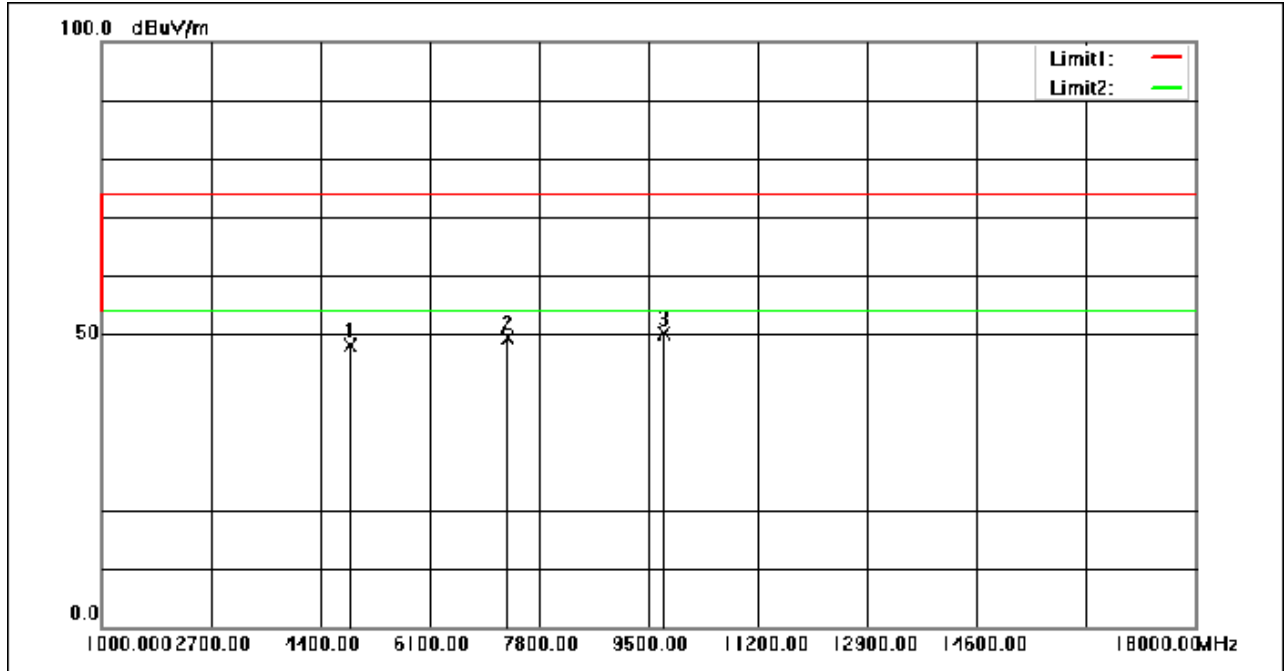
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.72	-8.61	48.11	74.00	-25.89	peak
2	7311.000	55.24	-5.78	49.46	74.00	-24.54	peak
3	9748.000	51.65	-1.43	50.22	74.00	-23.78	peak

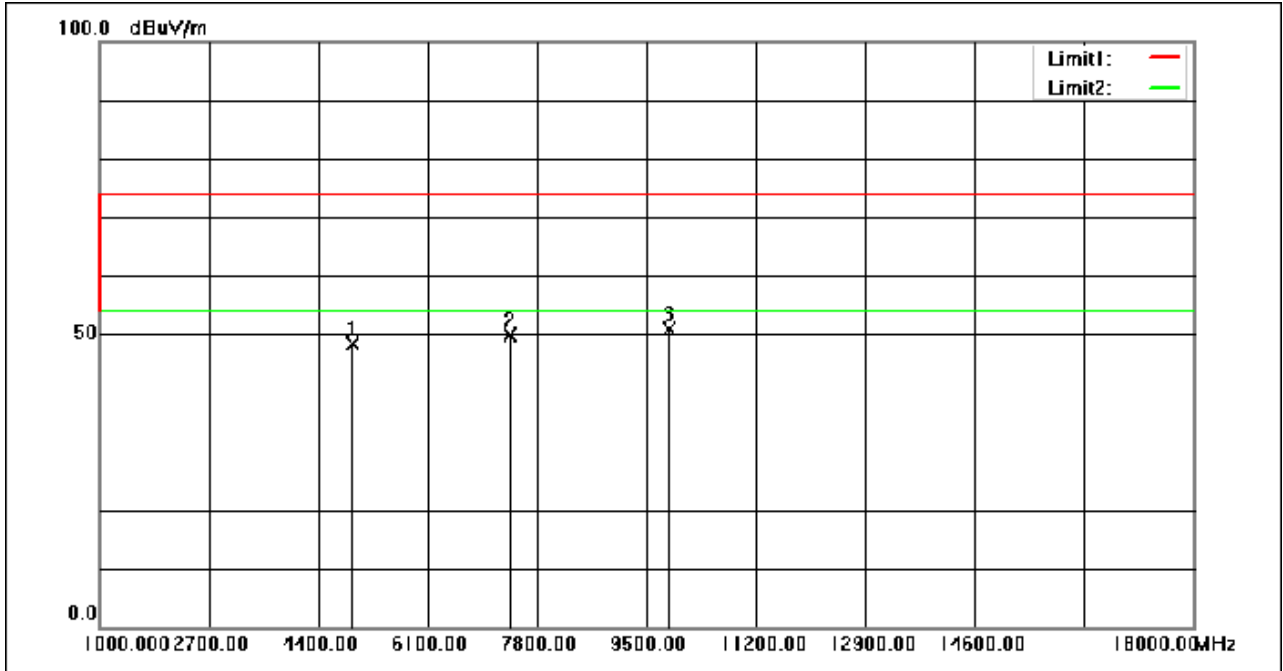


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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.79	-8.44	48.35	74.00	-25.65	peak
2	7386.000	55.68	-5.69	49.99	74.00	-24.01	peak
3	9848.000	52.25	-1.27	50.98	74.00	-23.02	peak



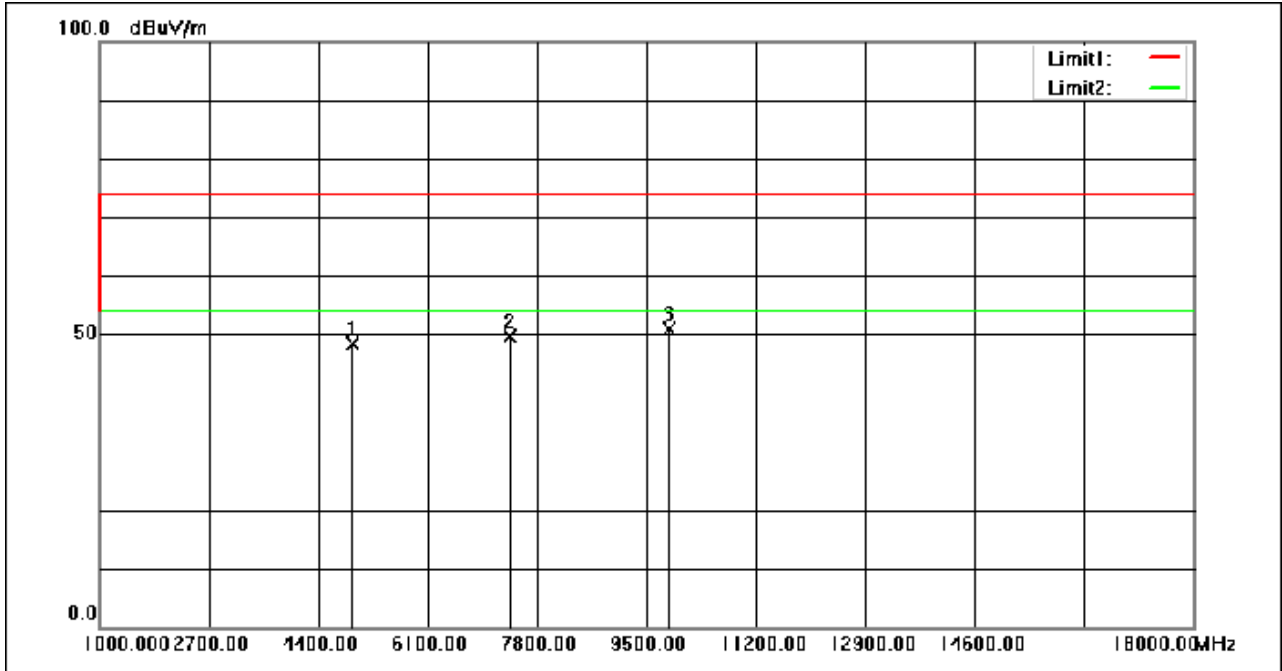
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.78	-8.44	48.34	74.00	-25.66	peak
2	7386.000	55.42	-5.69	49.73	74.00	-24.27	peak
3	9848.000	52.13	-1.27	50.86	74.00	-23.14	peak



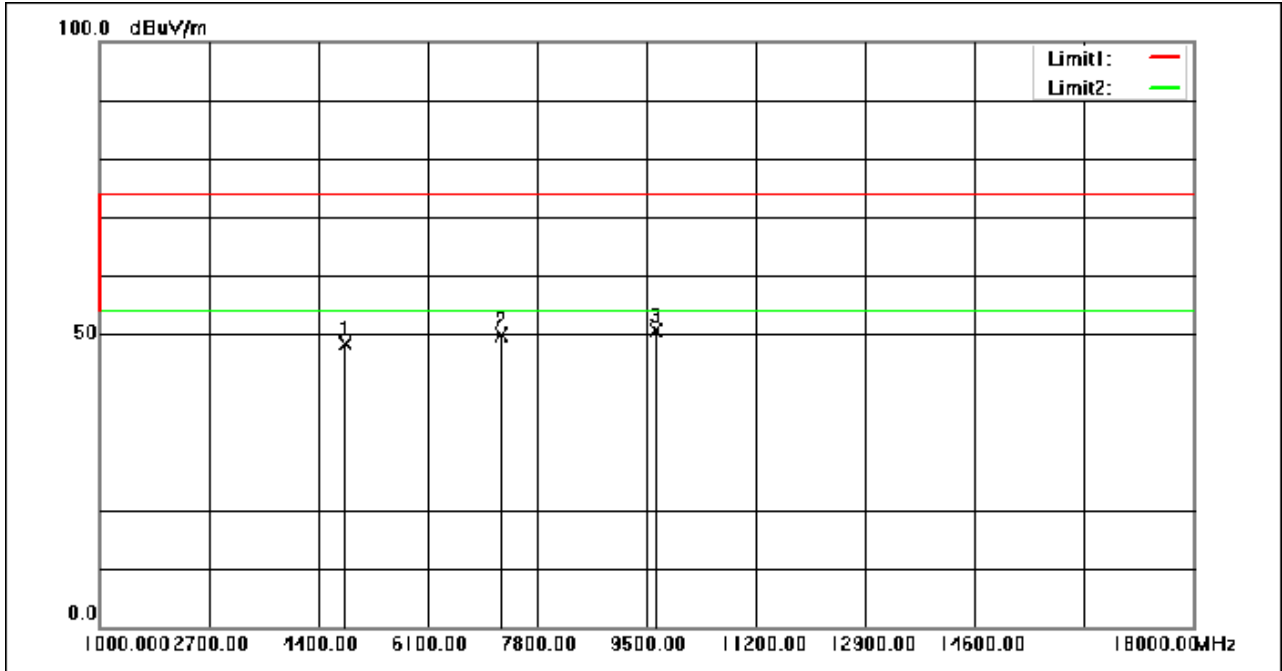
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.22	-8.78	48.44	74.00	-25.56	peak
2	7236.000	55.65	-5.86	49.79	74.00	-24.21	peak
3	9648.000	51.82	-1.31	50.51	74.00	-23.49	peak



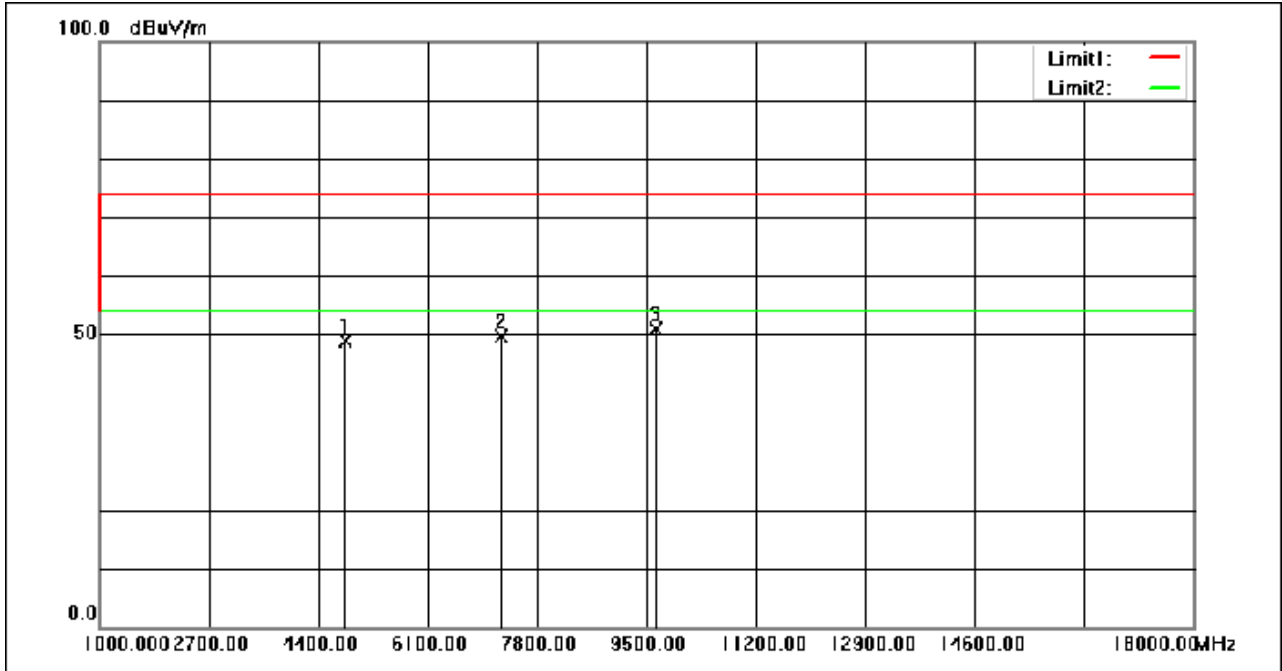
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.65	-8.78	48.87	74.00	-25.13	peak
2	7236.000	55.52	-5.86	49.66	74.00	-24.34	peak
3	9648.000	52.24	-1.31	50.93	74.00	-23.07	peak

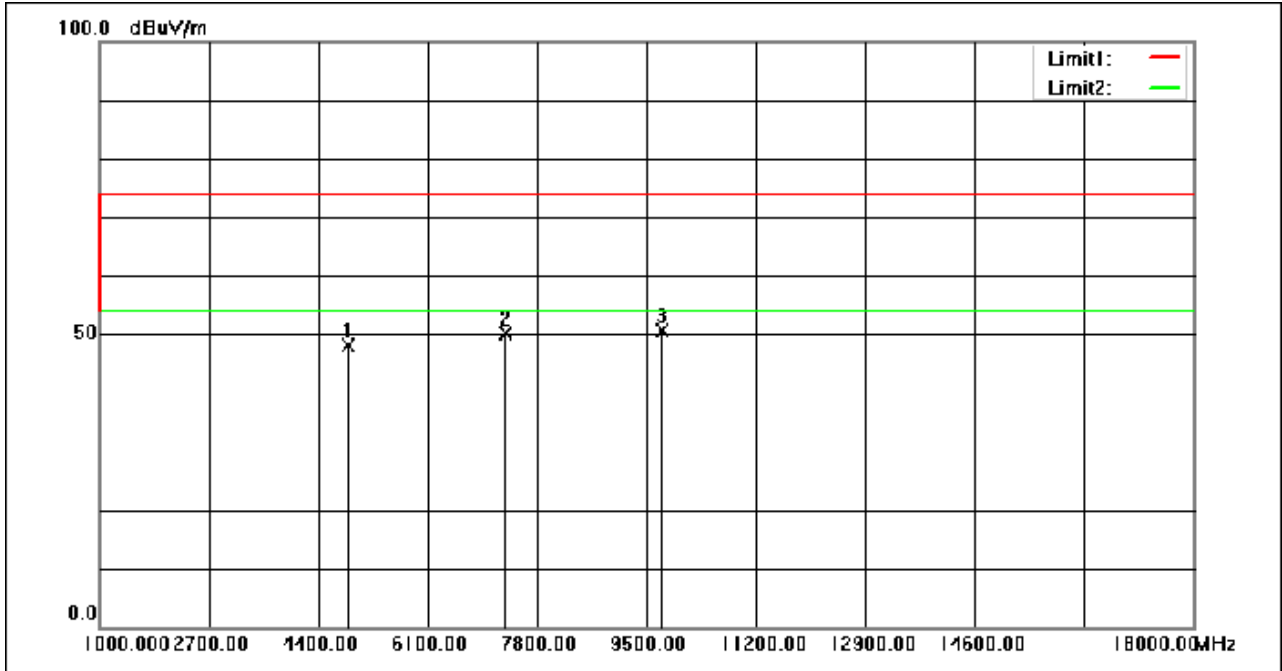


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.75	-8.61	48.14	74.00	-25.86	peak
2	7311.000	55.79	-5.78	50.01	74.00	-23.99	peak
3	9748.000	52.00	-1.43	50.57	74.00	-23.43	peak

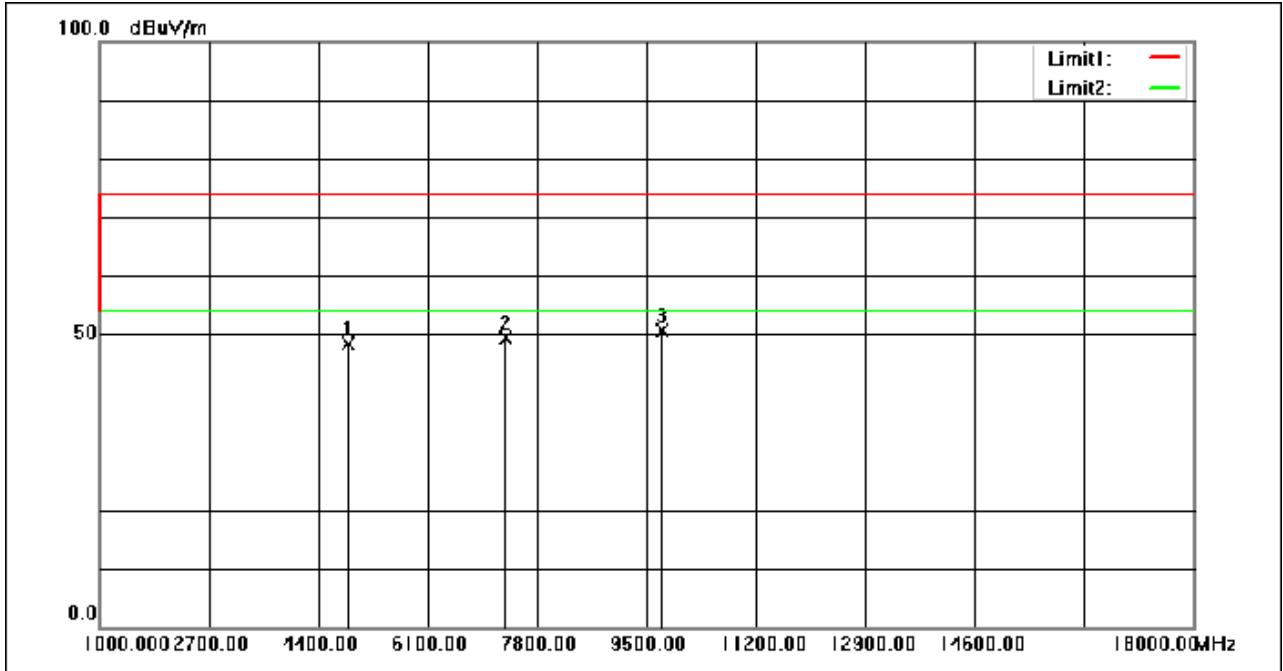


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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.90	-8.61	48.29	74.00	-25.71	peak
2	7311.000	55.09	-5.78	49.31	74.00	-24.69	peak
3	9748.000	52.16	-1.43	50.73	74.00	-23.27	peak



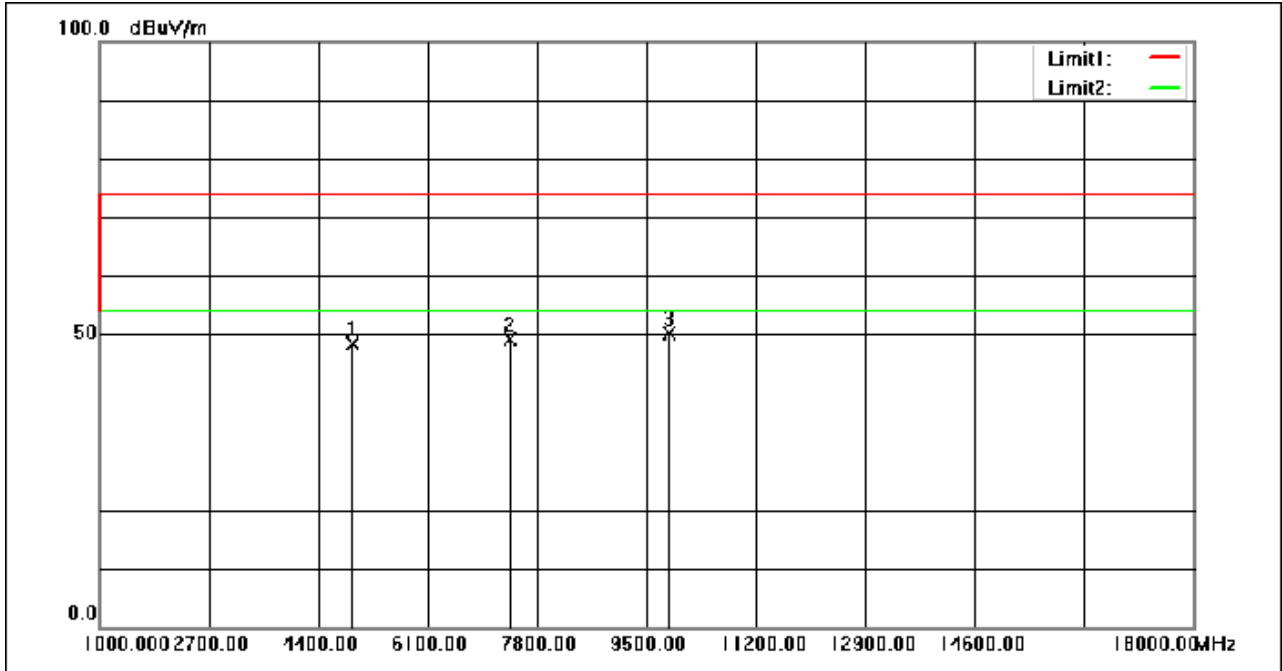
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 t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.72	-8.44	48.28	74.00	-25.72	peak
2	7386.000	54.82	-5.69	49.13	74.00	-24.87	peak
3	9848.000	51.42	-1.27	50.15	74.00	-23.85	peak



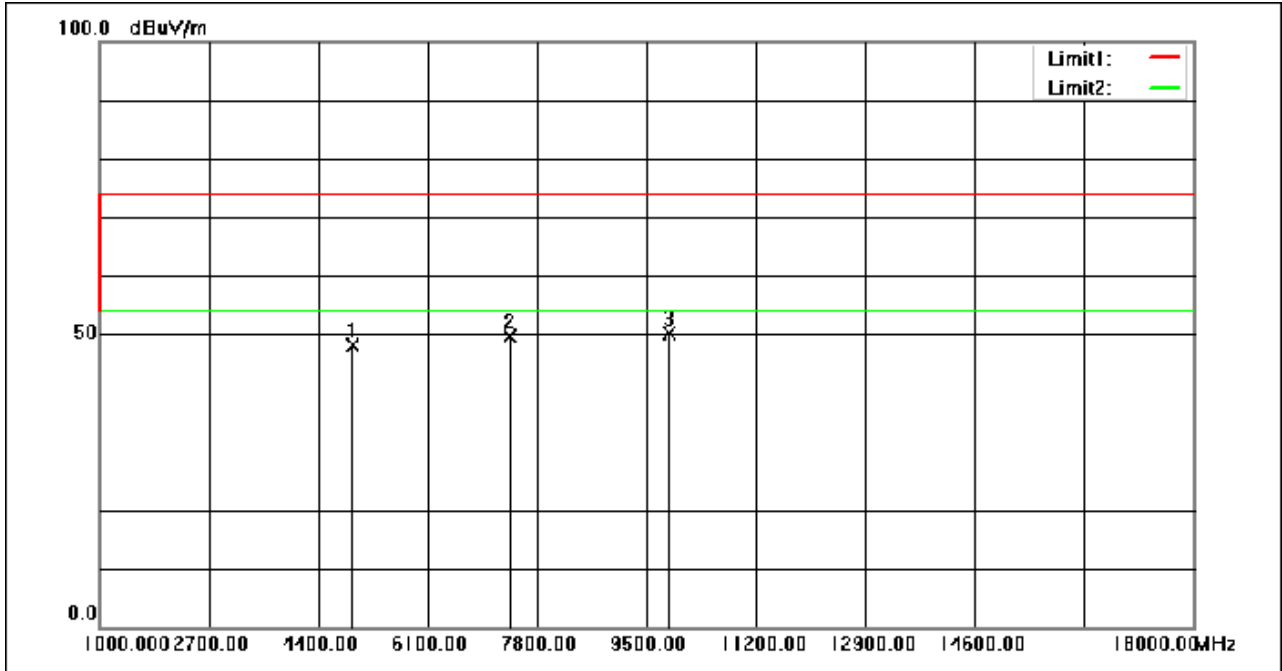
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t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.49	-8.44	48.05	74.00	-25.95	peak
2	7386.000	55.42	-5.69	49.73	74.00	-24.27	peak
3	9848.000	51.50	-1.27	50.23	74.00	-23.77	peak

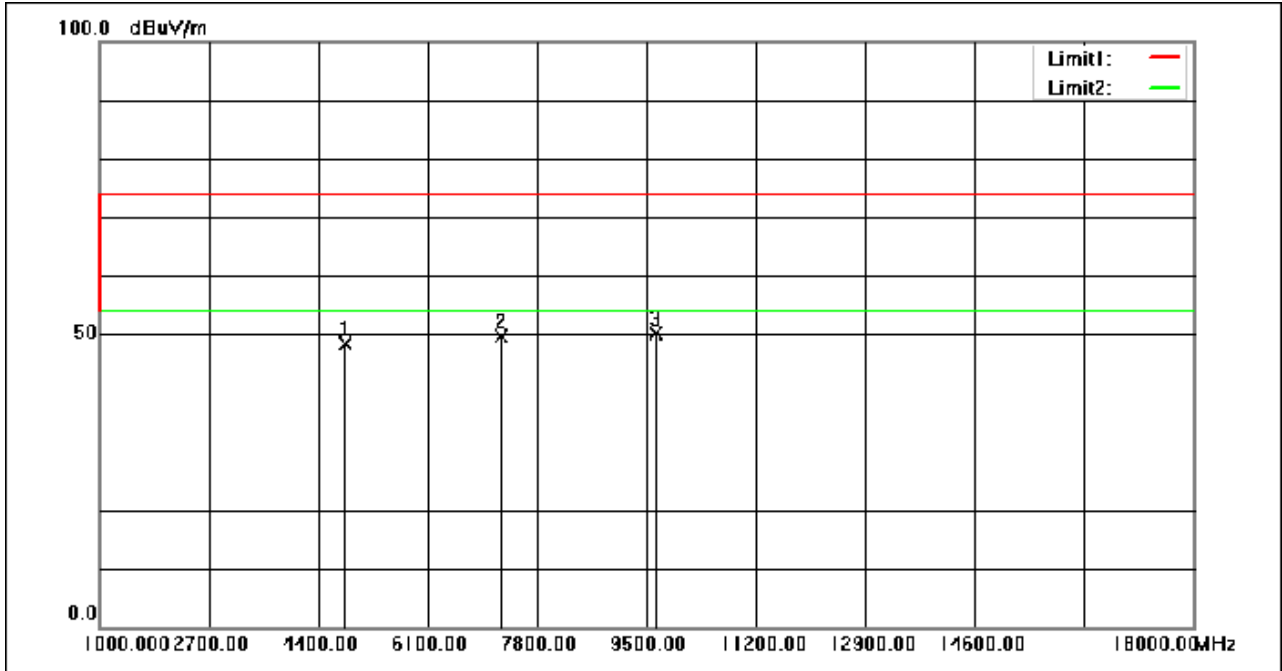


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.04	-8.78	48.26	74.00	-25.74	peak
2	7236.000	55.58	-5.86	49.72	74.00	-24.28	peak
3	9648.000	51.43	-1.31	50.12	74.00	-23.88	peak



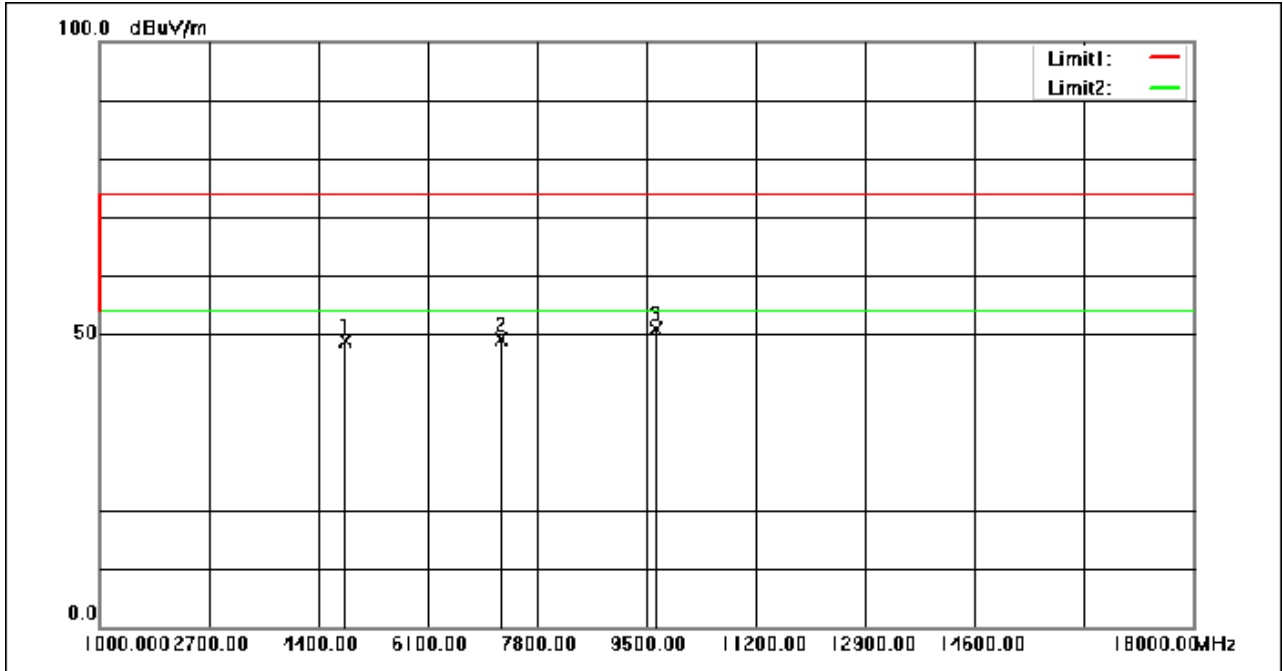
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4824.000	57.59	-8.78	48.81	74.00	-25.19	peak
2	7236.000	54.94	-5.86	49.08	74.00	-24.92	peak
3	9648.000	52.07	-1.31	50.76	74.00	-23.24	peak



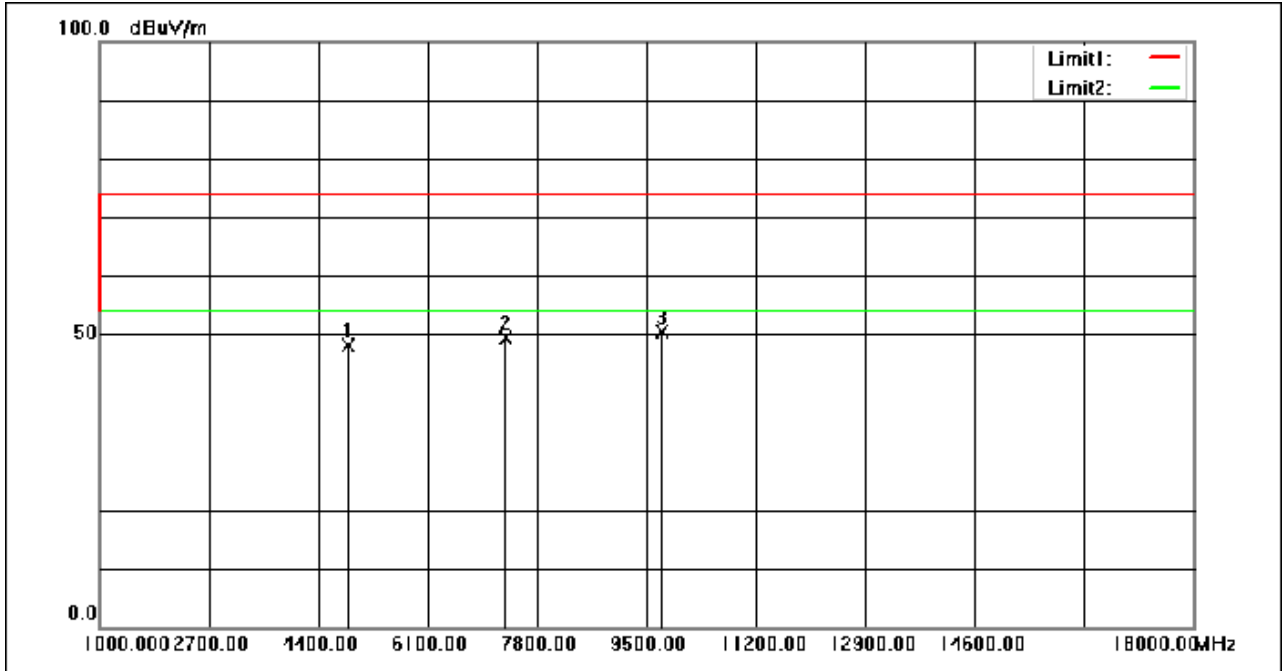
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.74	-8.61	48.13	74.00	-25.87	peak
2	7311.000	55.26	-5.78	49.48	74.00	-24.52	peak
3	9748.000	51.86	-1.43	50.43	74.00	-23.57	peak



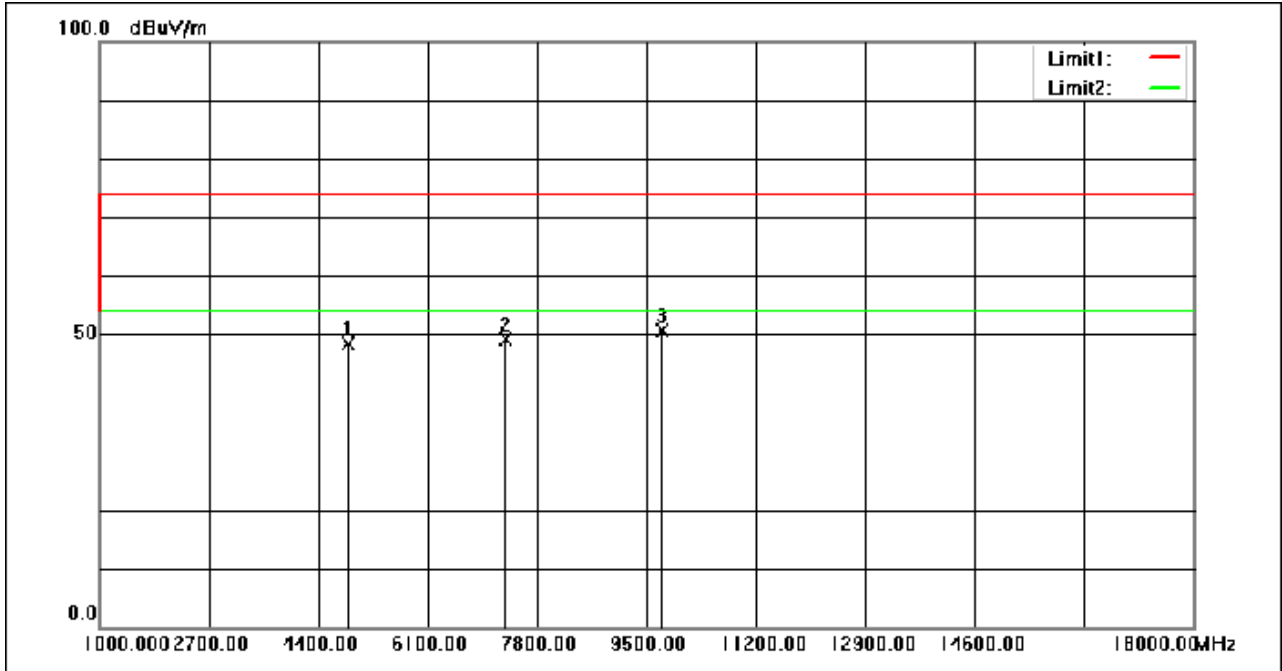
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.92	-8.61	48.31	74.00	-25.69	peak
2	7311.000	54.80	-5.78	49.02	74.00	-24.98	peak
3	9748.000	52.18	-1.43	50.75	74.00	-23.25	peak

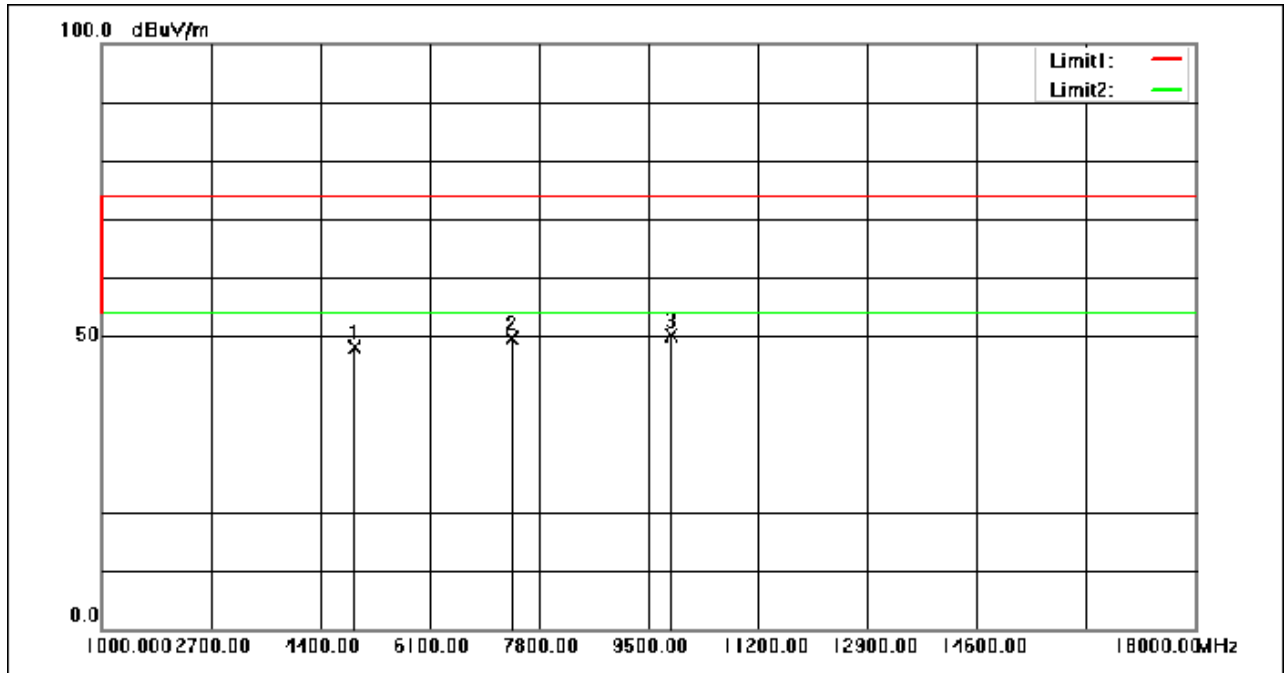


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.55	-8.44	48.11	74.00	-25.89	peak
2	7386.000	55.44	-5.69	49.75	74.00	-24.25	peak
3	9848.000	51.32	-1.27	50.05	74.00	-23.95	peak

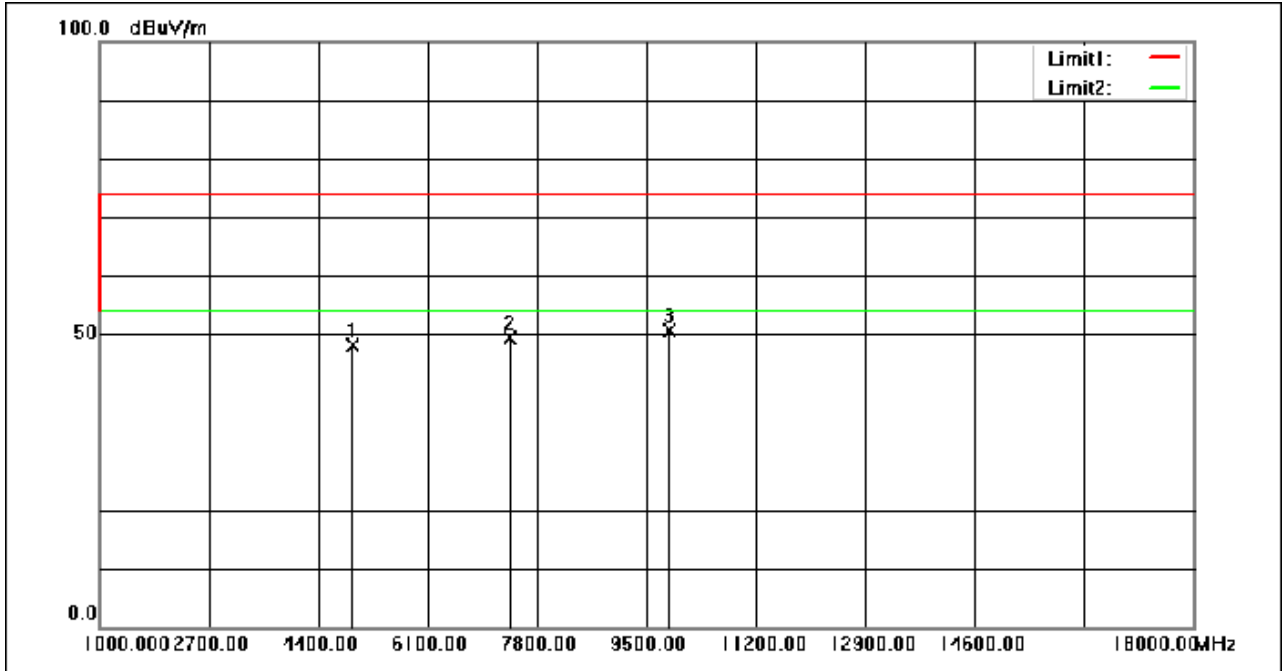


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4924.000	56.62	-8.44	48.18	74.00	-25.82	peak
2	7386.000	55.19	-5.69	49.50	74.00	-24.50	peak
3	9848.000	51.82	-1.27	50.55	74.00	-23.45	peak



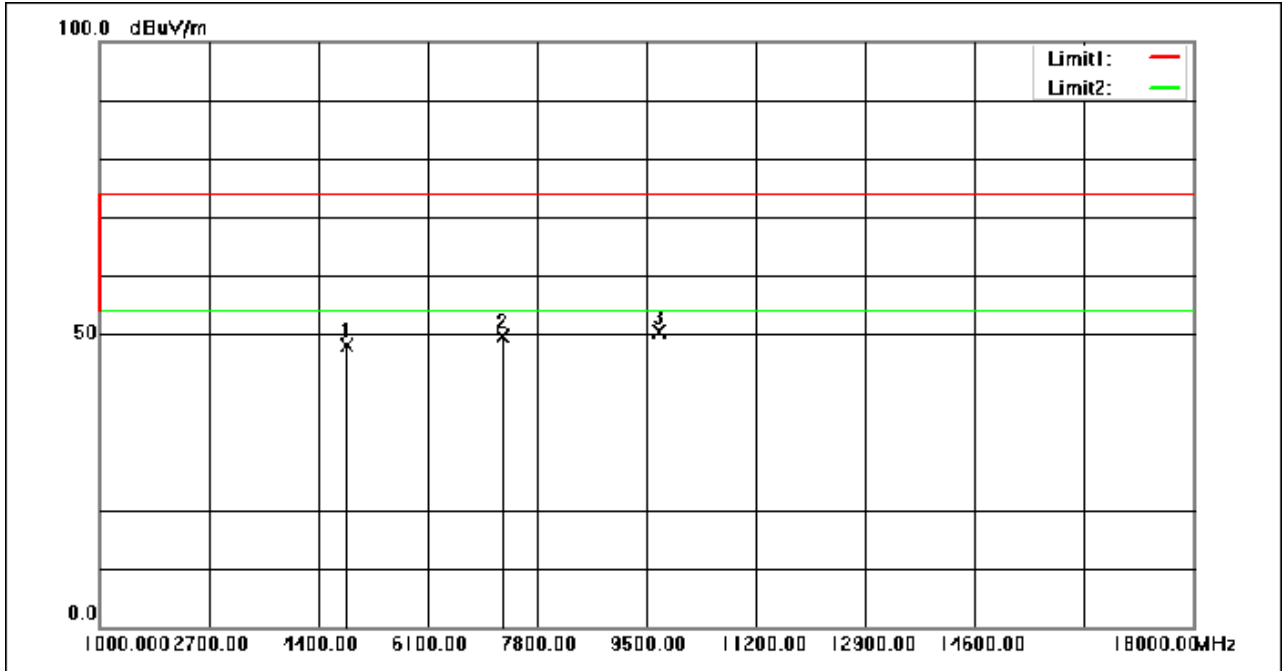
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	56.81	-8.71	48.10	74.00	-25.90	peak
2	7266.000	55.57	-5.83	49.74	74.00	-24.26	peak
3	9688.000	51.62	-1.36	50.26	74.00	-23.74	peak



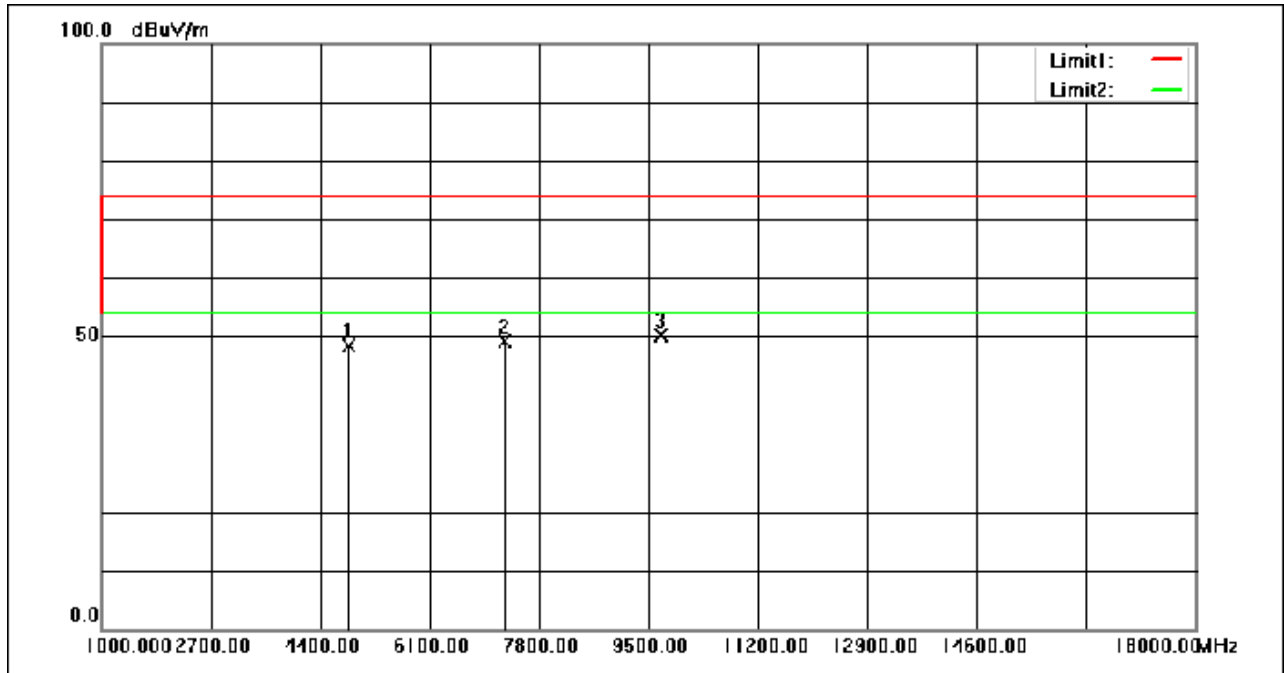
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4844.000	57.13	-8.71	48.42	74.00	-25.58	peak
2	7266.000	54.89	-5.83	49.06	74.00	-24.94	peak
3	9688.000	51.47	-1.36	50.11	74.00	-23.89	peak

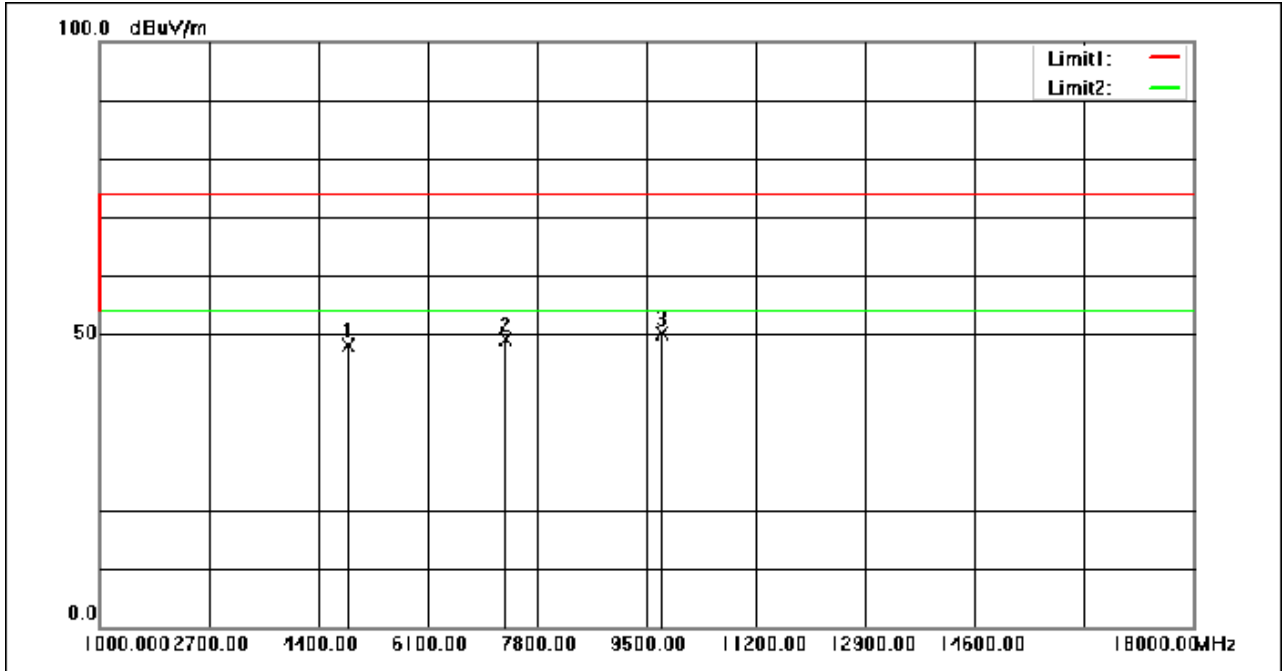


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.76	-8.61	48.15	74.00	-25.85	peak
2	7311.000	54.82	-5.78	49.04	74.00	-24.96	peak
3	9748.000	51.50	-1.43	50.07	74.00	-23.93	peak

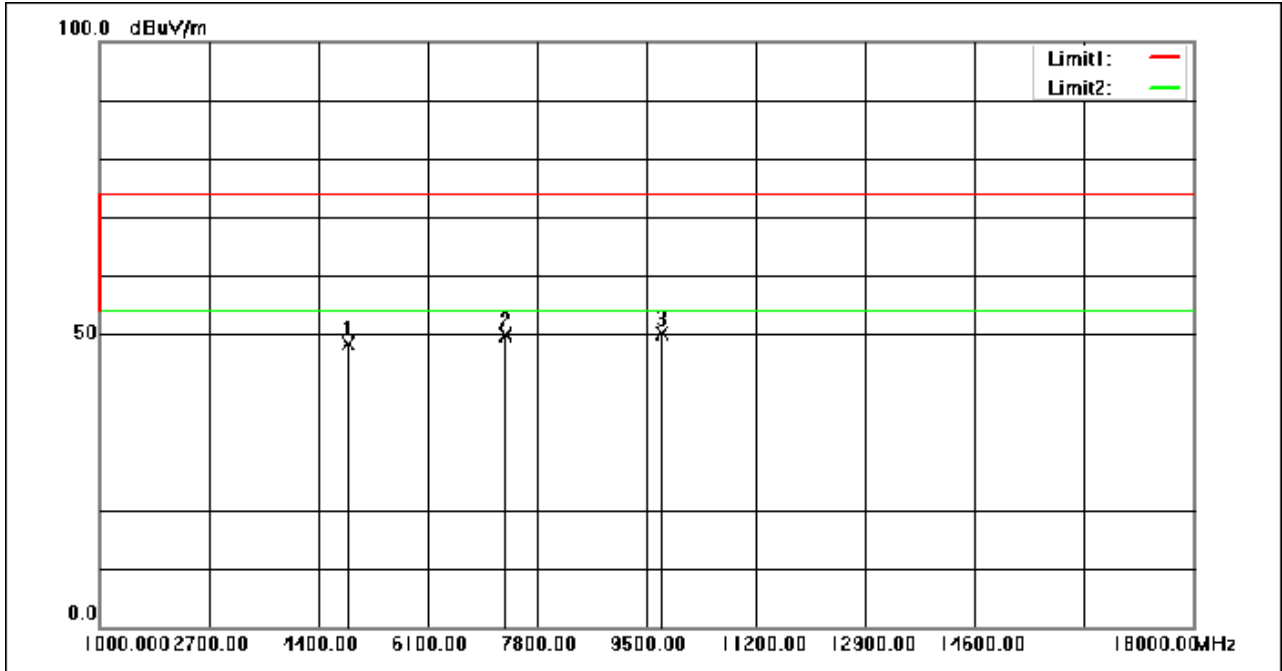


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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4874.000	56.97	-8.61	48.36	74.00	-25.64	peak
2	7311.000	55.61	-5.78	49.83	74.00	-24.17	peak
3	9748.000	51.66	-1.43	50.23	74.00	-23.77	peak

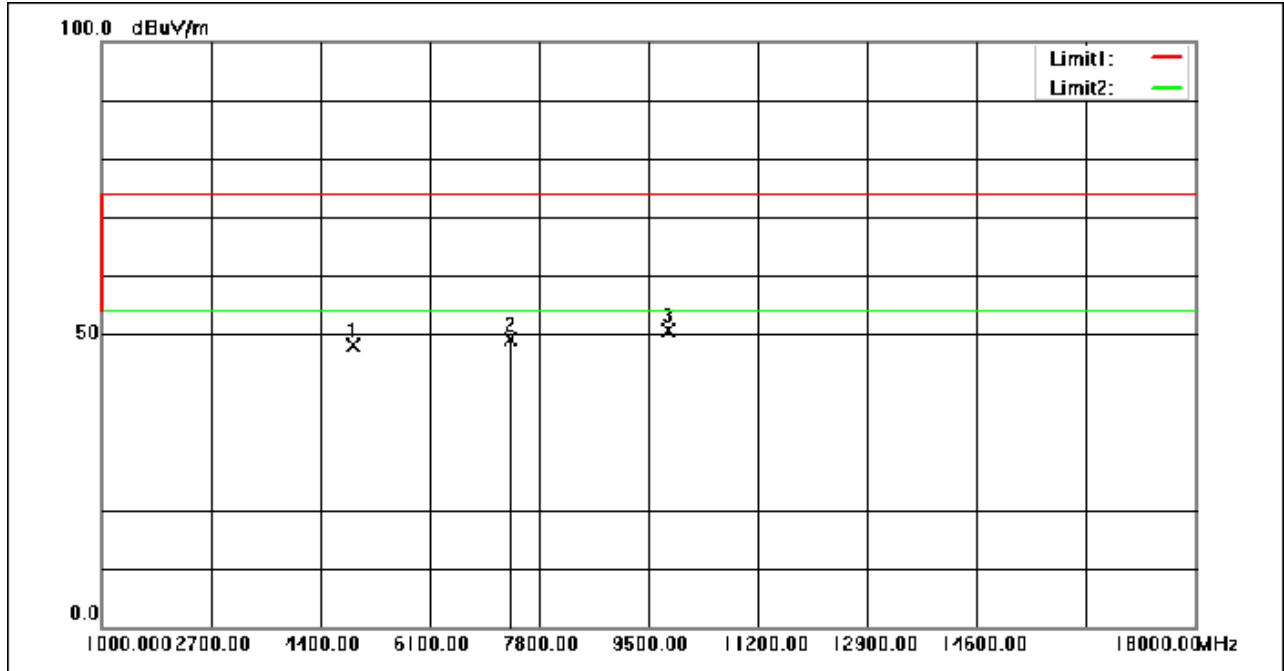


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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	56.76	-8.51	48.25	74.00	-25.75	peak
2	7356.000	54.94	-5.73	49.21	74.00	-24.79	peak
3	9808.000	52.02	-1.47	50.55	74.00	-23.45	peak

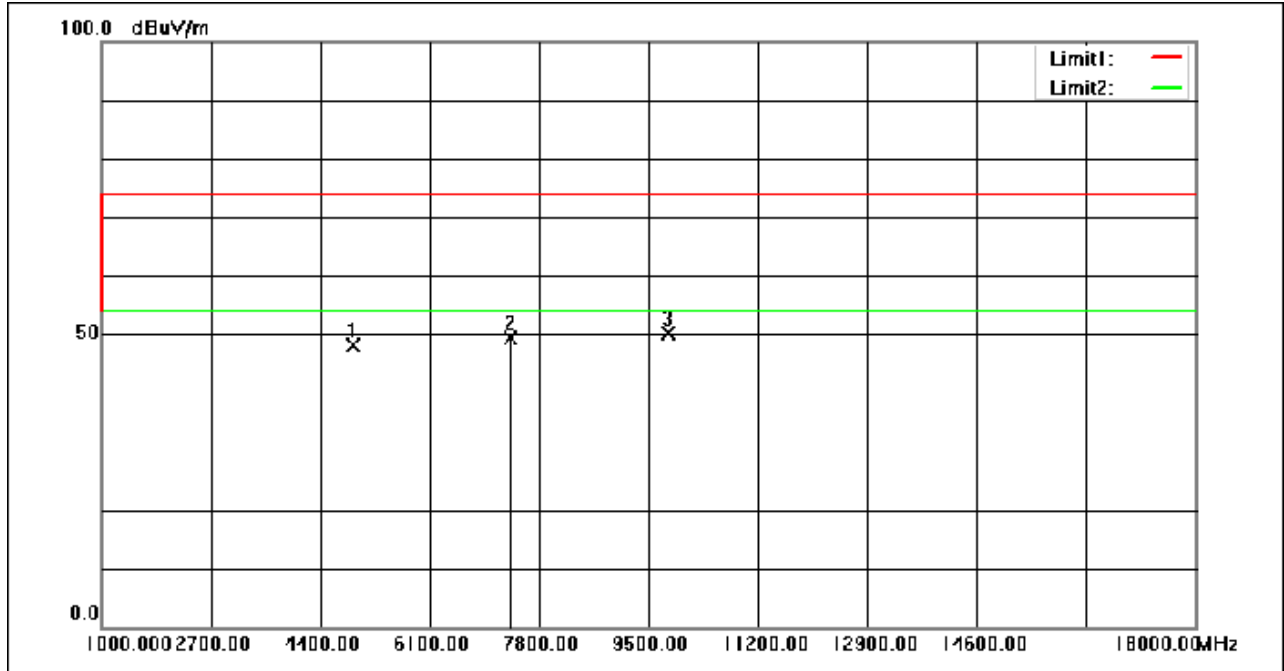


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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4904.000	56.60	-8.51	48.09	74.00	-25.91	peak
2	7356.000	55.18	-5.73	49.45	74.00	-24.55	peak
3	9808.000	51.69	-1.47	50.22	74.00	-23.78	peak



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7 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2210002075AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2210002075AT

- End of the Report -



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