TEST REPORT

Application No.:	KSCR2505000934AT
FCC ID:	2AUIUWYZECPAN4
IC:	25466-WYZECPAN4
Applicant:	Wyze Labs,Inc.
Address of Applicant:	5808 Lake Washington Blvd NE Ste 300, Kirkaland, WA 98033, United States
Manufacturer:	Wyze Labs,Inc.
Address of Manufacturer:	5808 Lake Washington Blvd NE Ste 300, Kirkaland, WA 98033, United States
Equipment Under Test (EUT):	
EUT Name:	Wyze Cam Pan v4
Model No.:	WYZECPAN4
Trade Mark:	WYZE
Standard(s) :	47 CFR Part 15, Subpart E 15.407 RSS-247 Issue 3, August 2023 RSS-Gen Issue 5 Amendment 2 (February 2021)
Date of Receipt:	2025-05-09
Date of Test:	2025-05-22 to 2025-06-06
Date of Issue:	2025-06-06
Test Result:	**Pass***

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

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Revision Record			
Version	**Description**	***Date***	***Remark***
00	Original	2025-06-06	/

Authorized for issue by:				
Tested By				
		Eric_Liu/Project Engineer		
Approved By				
		Terry Hou /Reviewer		

2 Test Summary

Radio Spectrum Technical Requirement				
Item	**FCC Requirement**	**IC Requirement**	**Method**	**Result**
Antenna Requirement	47 CFR Part 15, Subpart C 15.203	RSS-Gen Clause 6.8	N/A	Pass
Transmission in the Absence of Data	47 CFR Part 15, Subpart E 15.407 (c)	RSS-247 Section 6.4(a)	N/A	Pass

N/A: Not applicable

Radio Spectrum Matter Part				
Item	**FCC Requirement**	**IC Requirement**	**Method**	**Result**
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(6)	RSS-Gen Section 8.8	ANSI C63.10 (2013) Section 6.2	Pass
99% Bandwidth	N/A	RSS-Gen Section 6.7	ANSI C63.10 Section 6.9.3	Pass
26dB Emission bandwidth	47 CFR Part 15, Subpart E 15.407 (a)	RSS-247 Section 6.2.1(1)	KDB 789033 D02 II C 1	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	47 CFR Part 15, Subpart E 15.407 (e)	RSS-247 Section 6.2.4	KDB 789033 D02 II C 2	Pass
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407 (a)	RSS-247 Section 6.2.1&6.2.2&6.2.3&6.2.4	KDB 789033 D02 II E	Pass
Peak Power spectrum density	47 CFR Part 15, Subpart E 15.407 (a)	RSS-247 Section 6.2.1&6.2.2&6.2.3& 6.2.4	KDB 789033 D02 II F	Pass
Radiated Emissions	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass
Frequency Stability	47 CFR Part 15, Subpart E 15.407 (g)	RSS-Gen Section 8.11	ANSI C63.10 (2013) Section 6.8& RSS-Gen Section 6.11	Pass
Non-occupancy period	47 CFR Part 15, Subpart E 15.407	RSS-247	KDB 905462 D02 Section 7.8.3	Pass
Channel Move Time	47 CFR Part 15, Subpart E 15.407	RSS-247	KDB 905462 D02 Section 7.8.3	Pass
Channel Closing Transmission Time	47 CFR Part 15, Subpart E 15.407	RSS-247	KDB 905462 D02 Section 7.8.3	Pass

Note: The only difference in adapter is the manufacturer and color, while other electrical properties are exactly the same. EMC difference testing has been evaluated and will not affect RF performance.

Complete all tests with adapter 1 #, Pre-scan Conducted Emissions at AC Power Line (150kHz-30MHz) and Radiated Spurious Emissions test items with other adapters.

3 Contents

4 General Information

4.1 Details of E.U.T.

Test Power:	Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case
Power supply:	DC 5V by adapter Adapter 1# Model: AS1207A-0502000USU Input: 100-24V~ 50/60Hz Output: 5V, 2000mA MADE IN CHINA Adapter 2# Model: KA12C-0502000US Input: 100-24V~ 50/60Hz Output: 5V, 2000mA MADE IN CHINA Adapter 3# Model: AS1207A-0502000USU Input: 100-24V~ 50/60Hz Output: 5V, 2000mA MADE IN VIETNAM Adapter 4# Model: KA12C-0502000US Input: 100-24V~ 50/60Hz Output: 5V, 2000mA MADE IN VIETNAM (Black) Adapter 5# Model: KA12C-0502000US Input: 100-24V~ 50/60Hz Output: 5V, 2000mA MADE IN VIETNAM (White)
Operation Frequency/Number of channels (20MHz):	U-NII-1: 5180-5240MHz (4 Channels); U-NII-2A: 5260-5320MHz (4 Channels); U-NII-2C: 5500-5700MHz (11 Channels); U-NII-3: 5745-5825MHz (5 Channels)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz
DFS Function:	Slave without Radar detection
TPC Function:	Without TPC function
Antenna Type:	FPC Antenna
Antenna Gain:	B1: 4.46dBi, (Provided by the manufacturer) B2: 3.93dBi. (Provided by the manufacturer) B3: 4.52dBi, (Provided by the manufacturer) B4: 3.77dBi, (Provided by the manufacturer)

4.2 Power level setting using in test

Channel	802.11a	802.11n(HT20)	802.11ac(VHT20)	802.11ax(HEW20)
	Ant 1	Ant 1	Ant 1	Ant 1
36	38	38	38	44
40	38	38	38	44
48	40	40	40	48
52	40	40	40	48
60	40	40	40	48
64	40	40	40	48
100	40	40	40	48
116	44	44	44	52
140	44	44	44	52
149	44	44	44	52
157	44	44	44	52
165	44	44	44	52

4.3 Description of Support Units

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

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4×10^{-8}
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	RF Radiated Power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
9	Radiated Spurious Emission Test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%
Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.		

4.5 Test Location

All tests were performed at:
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).
3. Sample source: sent by customer.

4.6 Test Facility

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

• 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

5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
Conducted Emission at Mains Terminals						
1	EMI Test Receive	R&S	ESCI	KS301196	08/01/2024	07/31/2025
2	LISN	R&S	ENV216	KS301197	01/15/2025	01/14/2026
3	LISN	Schwarzbeck	NNLK 8129	KS301091	01/15/2025	01/14/2026
4	Pulse Limiter	R&S	ESH3-Z2	KUS1902E001	12/05/2024	12/04/2025
5	CE test Cable	Thermax	/	CZ301102	01/14/2025	01/13/2026
6	Test Software	Farad	EZ-EMC	/	N.C.R	N.C.R
RF Conducted Test						
1	Spectrum Analyzer	Keysight	N9020A	KUS1911E004-2	08/01/2024	07/31/2025
2	Spectrum Analyzer	Keysight	N9020A	KUS2001M001-2	08/01/2024	07/31/2025
3	Spectrum Analyzer	Keysight	N9030B	KSEM021-1	01/15/2025	01/14/2026
4	Signal Generator	R&S	SMBV100B	KSEM032	02/19/2025	02/18/2026
5	Signal Generator	R&S	SMW200A	KSEM020-1	08/02/2024	08/01/2025
6	Signal Generator	Agilent	N5182A	KUS2001M001-1	08/01/2024	07/31/2025
7	Signal Generator	Agilent	E8257C	KS301066	08/06/2024	08/05/2025
8	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	08/01/2024	07/31/2025
9	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	02/19/2025	02/18/2026
10	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	08/13/2024	08/12/2025
11	Switcher	TST	FY562	KUS2001M001-4	01/15/2025	01/14/2026
12	Conducted Test Cable	Thermax	RF01-RF04	CZ301111-CZ301120	01/14/2025	01/13/2026
13	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KSES104904	08/26/2024	08/25/2025
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	02/26/2025	02/25/2026
15	Software	BST	TST-PASS	/	NCR	NCR
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	08/06/2024	08/05/2025
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	02/18/2025	02/17/2026
3	Signal Generator	Agilent	E8257C	KS301066	08/06/2024	08/05/2025
4	Loop Antenna（9KHz-30MHz）	COM-POWER	AL-130R	KUS1806E001	03/01/2025	02/28/2027
5	Bilog Antenna（30MHz-1GHz）	TESEQ	CBL 6112D	KUS1806E005	06/29/2023	06/28/2025
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	03/23/2024	03/22/2026
7	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	01/07/2024	01/06/2026
8	Amplifier(30MHz~1GHz)	TST	LNA009100G30	KSEM061	01/15/2025	01/14/2026
9	Amplifier(400MHz~8GHz)	TST	LNA004080G30	KSEM062	01/15/2025	01/14/2026
10	Amplifier(1GHz~18GHz)	TST	LNA010180G45	KSEM039	08/02/2024	08/01/2025
11	Amplifier(18~40GHz)	TST	LNA180400G40	KSEM038	08/12/2024	08/11/2025
12	RE Test Cable	REBES MICROWAVE	/	CZ301097	08/23/2024	08/22/2025
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	02/26/2025	02/25/2026
14	Software	Faratronic	EZ_EMC-v 3A1	/	NCR	NCR
15	Software	ESE	E3_V 6.111221a	/	NCR	NCR

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 FPC Antenna and no consideration of replacement. The best case gain of the Antenna is B1:4.46dBi, B2: 3.93dBi,B3: 4.52dBi,B4: 3.77dBi.

Antenna location: Refer to internal photo.

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

ConclusionStandard 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.

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 & Subpart E 15.407 b(9)
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.		

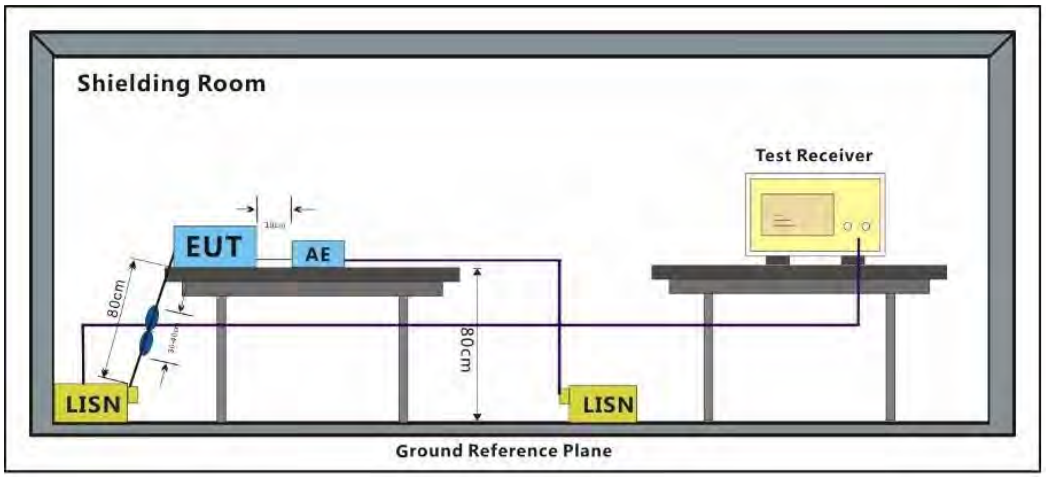
7.1.1 E.U.T. Operation

Operating Environment:
Temperature: 20.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Pre-scan	04	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Pre-scan	05	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



7.1.4 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.

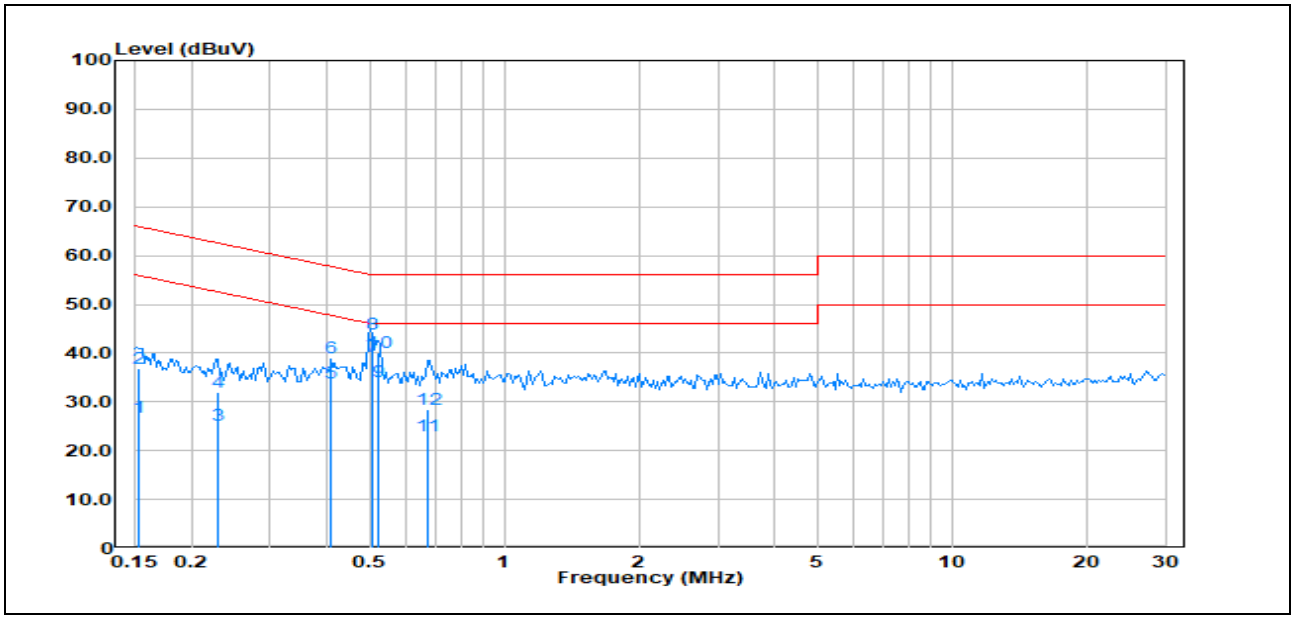
5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark 1: Level=Read Level+ Cable Loss+ LISN Factor

Remark 2: Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case.

Test Mode: 02; Line: Live line

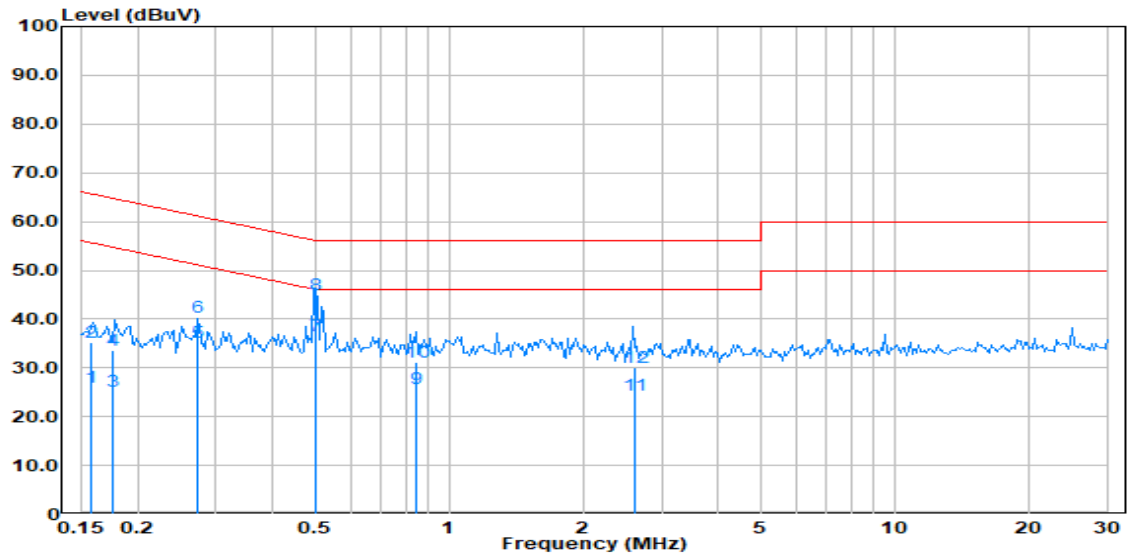
Test Data :



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1520	7.04	19.80	26.84	55.89	-29.05	Average
2	0.1520	17.08	19.80	36.88	65.89	-29.01	QP
3	0.2289	5.64	19.65	25.29	52.49	-27.20	Average
4	0.2289	12.43	19.65	32.08	62.49	-30.41	QP
5	0.4112	14.09	19.67	33.76	47.63	-13.87	Average
6	0.4112	19.26	19.67	38.93	57.63	-18.70	QP
7	0.5065	19.49	19.84	39.33	46.00	-6.67	Average
8	0.5065	24.10	19.84	43.94	56.00	-12.06	QP
9	0.5226	14.40	19.81	34.21	46.00	-11.79	Average
10	0.5226	20.34	19.81	40.15	56.00	-15.85	QP
11	0.6718	3.37	19.60	22.97	46.00	-23.03	Average
12	0.6718	8.72	19.60	28.32	56.00	-27.68	QP

Test Mode: 02; Line: Neutral Line

Test Data :



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1570	6.27	19.74	26.01	55.62	-29.61	Average
2	0.1570	15.40	19.74	35.14	65.62	-30.48	QP
3	0.1761	5.53	19.71	25.24	54.67	-29.43	Average
4	0.1761	13.85	19.71	33.56	64.67	-31.11	QP
5	0.2713	15.50	19.64	35.14	51.08	-15.94	Average
6	0.2713	20.74	19.64	40.38	61.08	-20.70	QP
7	0.5036	17.18	19.48	36.66	46.00	-9.34	Average
8	0.5036	25.58	19.48	45.06	56.00	-10.94	QP
9	0.8437	6.28	19.49	25.77	46.00	-20.23	Average
10	0.8437	11.60	19.49	31.09	56.00	-24.91	QP
11	2.6080	4.78	19.54	24.32	46.00	-21.68	Average
12	2.6080	10.58	19.54	30.12	56.00	-25.88	QP

7.2 Maximum Conducted output power

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

Test Method: ANSI C63.10 (2013) Section 12.3

Limit:

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

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 20.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.

7.2.3 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details

7.3 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.4,6.5
Measurement Distance: 3m

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

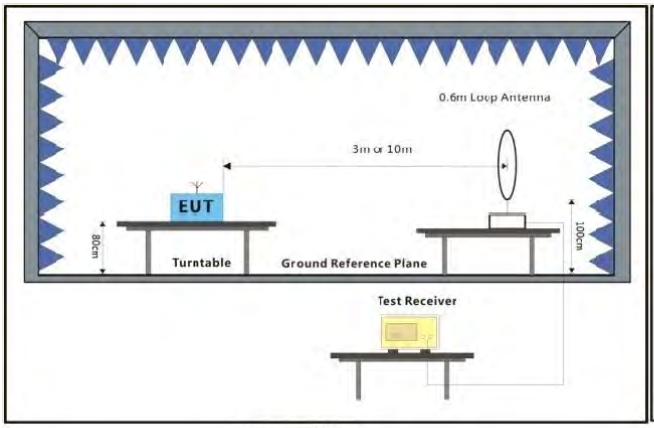
7.3.1 E.U.T. Operation

Operating Environment:
Temperature: °C Humidity: % RH Atmospheric Pressure: 1010 mbar

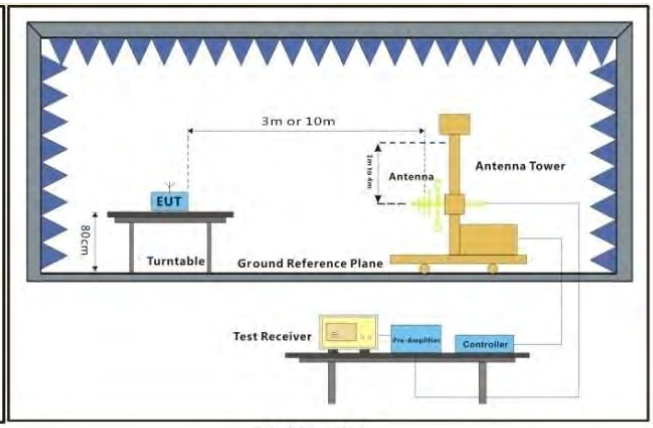
7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Pre-scan	04	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Pre-scan	05	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



Below 30MHz



30MHz-1GHz

7.3.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

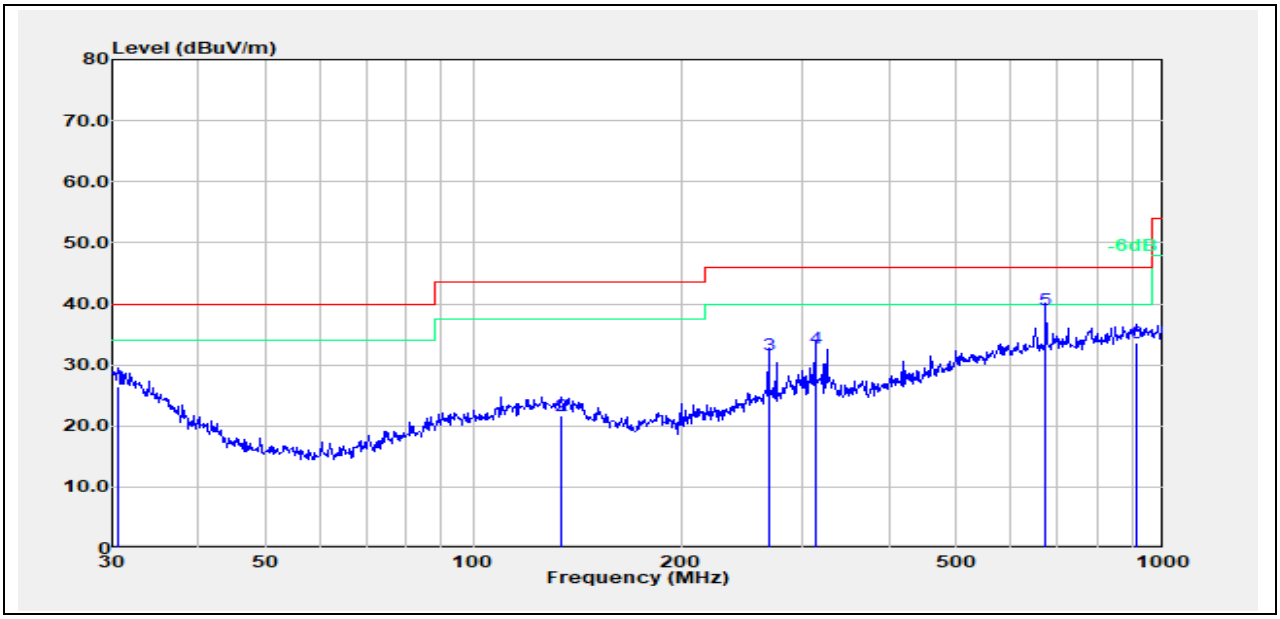
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.

3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

Test Mode: 02; Polarity: Horizontal

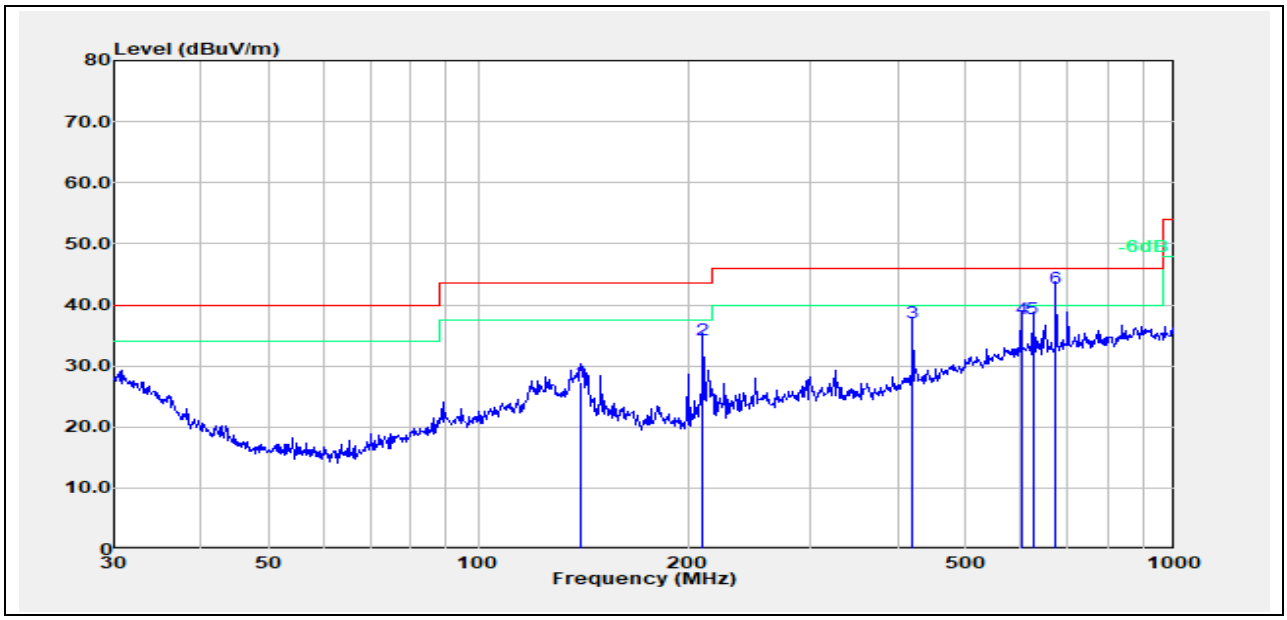
Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.5310	1.67	24.70	26.37	40.00	-13.63	100	268	QP
2	134.0880	1.67	20.02	21.69	43.50	-21.81	200	268	QP
3	267.5460	10.97	20.60	31.57	46.00	-14.43	200	24	QP
4	313.2760	11.15	21.68	32.83	46.00	-13.17	100	1	QP
5	675.2080	9.58	29.44	39.02	46.00	-6.98	200	308	QP
6	912.8620	2.16	31.44	33.60	46.00	-12.40	100	360	QP

Test Mode: 02; Polarity: Vertical

Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	140.3421	7.21	20.09	27.30	43.50	-16.20	100	247	QP
2	210.0482	16.22	17.98	34.20	43.50	-9.30	100	25	QP
3	420.5803	12.67	24.33	37.00	46.00	-9.00	100	0	QP
4	601.4265	9.14	28.57	37.71	46.00	-8.29	100	309	QP
5	625.0781	9.06	28.71	37.77	46.00	-8.23	100	241	QP
6	675.2080	13.25	29.44	42.69	46.00	-3.31	100	358	QP

7.4 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.6
Measurement Distance: 3m

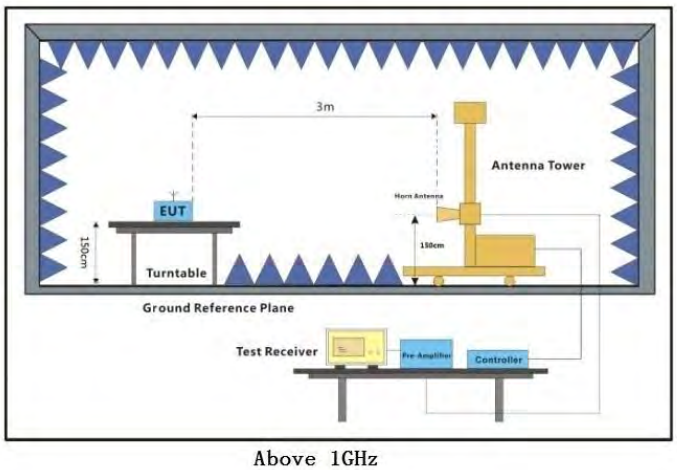
7.4.1 E.U.T. Operation

Operating Environment:
Temperature: °C Humidity: % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



Above 1GHz

7.4.4 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 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

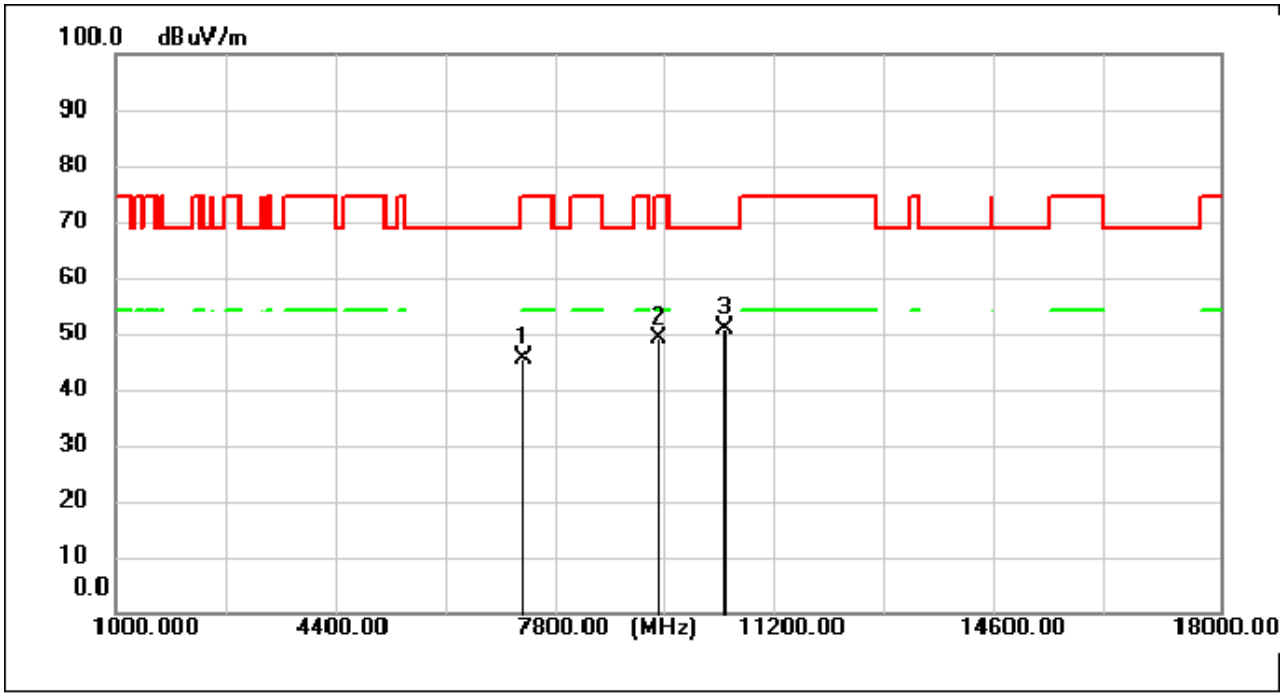
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

6.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

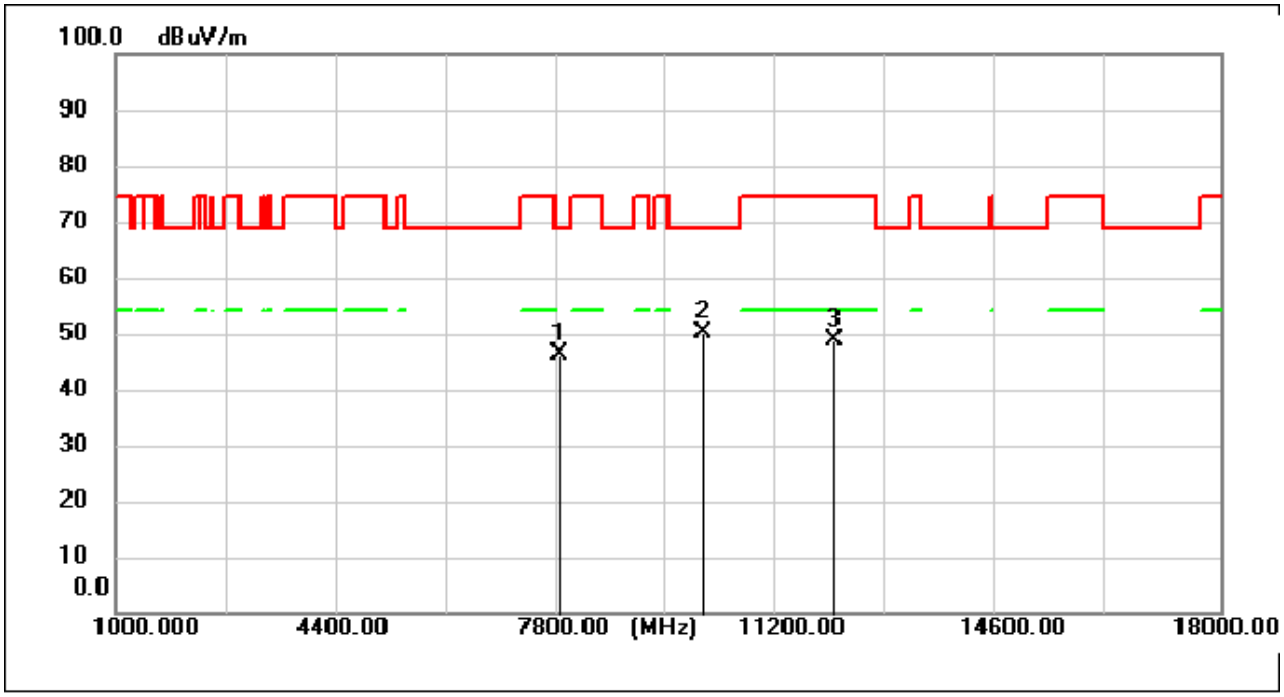
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geqslant$1/T (Duty cycle$<$98%) or 10Hz (Duty cycle$\geqslant$98%) for Average detection (AV) at frequency above 1GHz.

Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



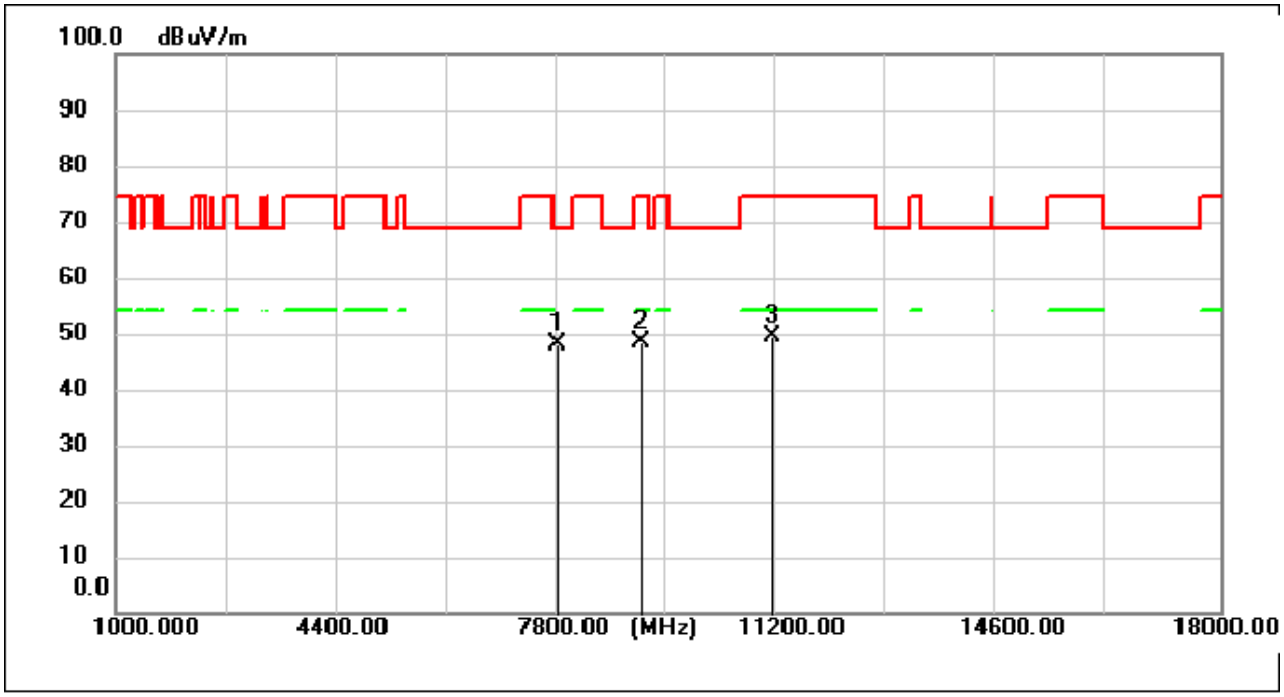
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7261.100	55.73	-10.03	45.70	74.00	-28.30	peak
2	9357.200	55.96	-6.89	49.07	74.00	-24.93	peak
3	10355.100	56.59	-5.87	50.72	68.30	-17.58	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



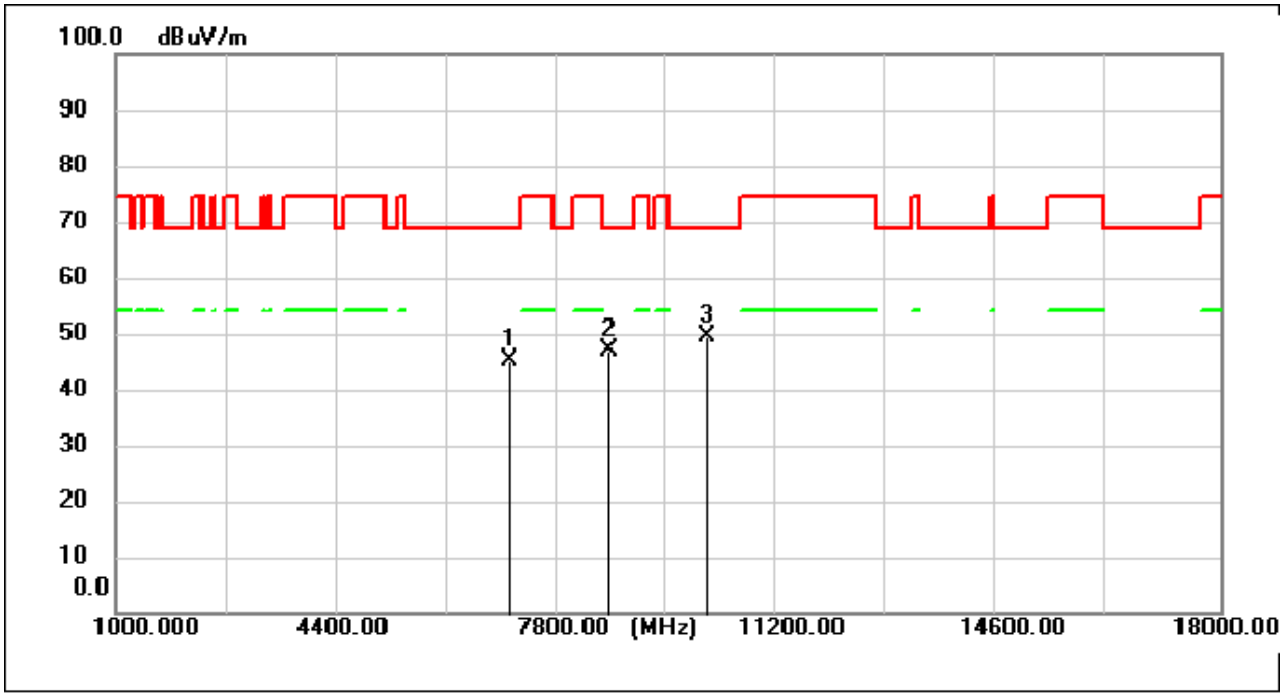
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7801.700	55.64	-9.53	46.11	68.30	-22.19	peak
2	10027.850	55.68	-5.60	50.08	68.30	-18.22	peak
3	12061.050	55.02	-6.39	48.63	74.00	-25.37	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



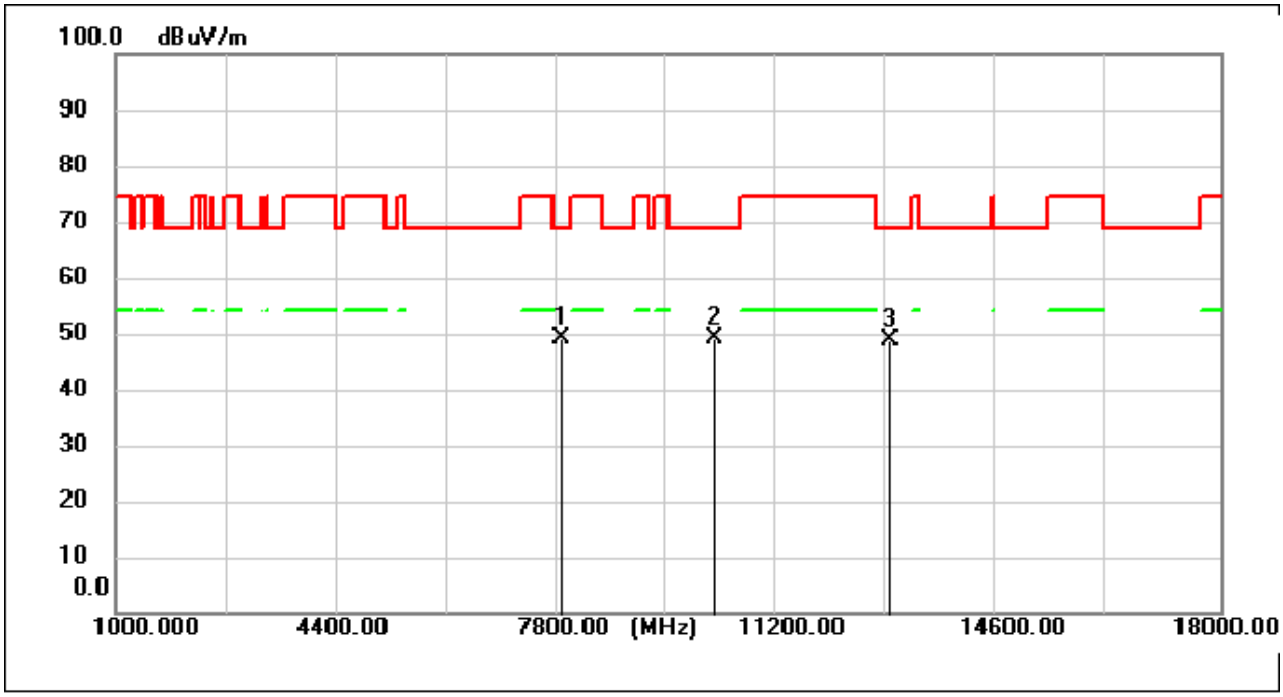
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7800.000	57.47	-9.53	47.94	68.30	-20.36	peak
2	9080.100	55.90	-7.59	48.31	74.00	-25.69	peak
3	11091.200	56.07	-6.43	49.64	74.00	-24.36	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



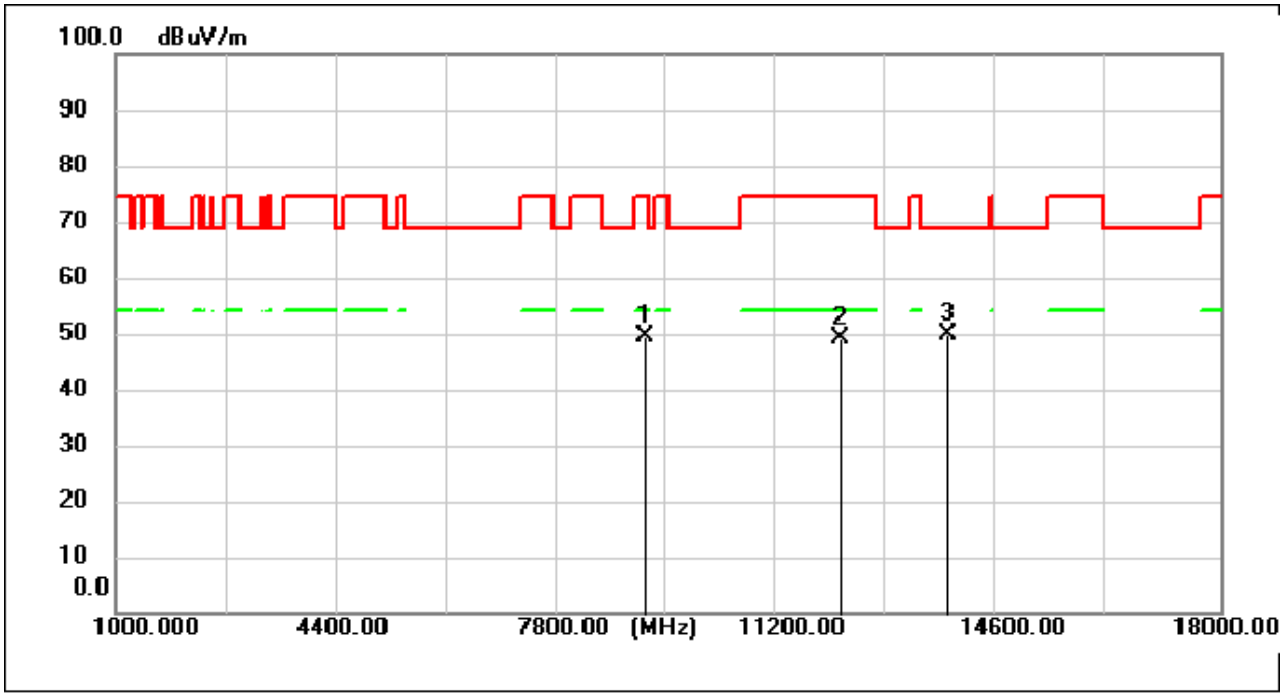
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7036.700	55.14	-10.08	45.06	68.30	-23.24	peak
2	8585.400	55.34	-8.43	46.91	68.30	-21.39	peak
3	10095.000	55.02	-5.66	49.36	68.30	-18.94	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



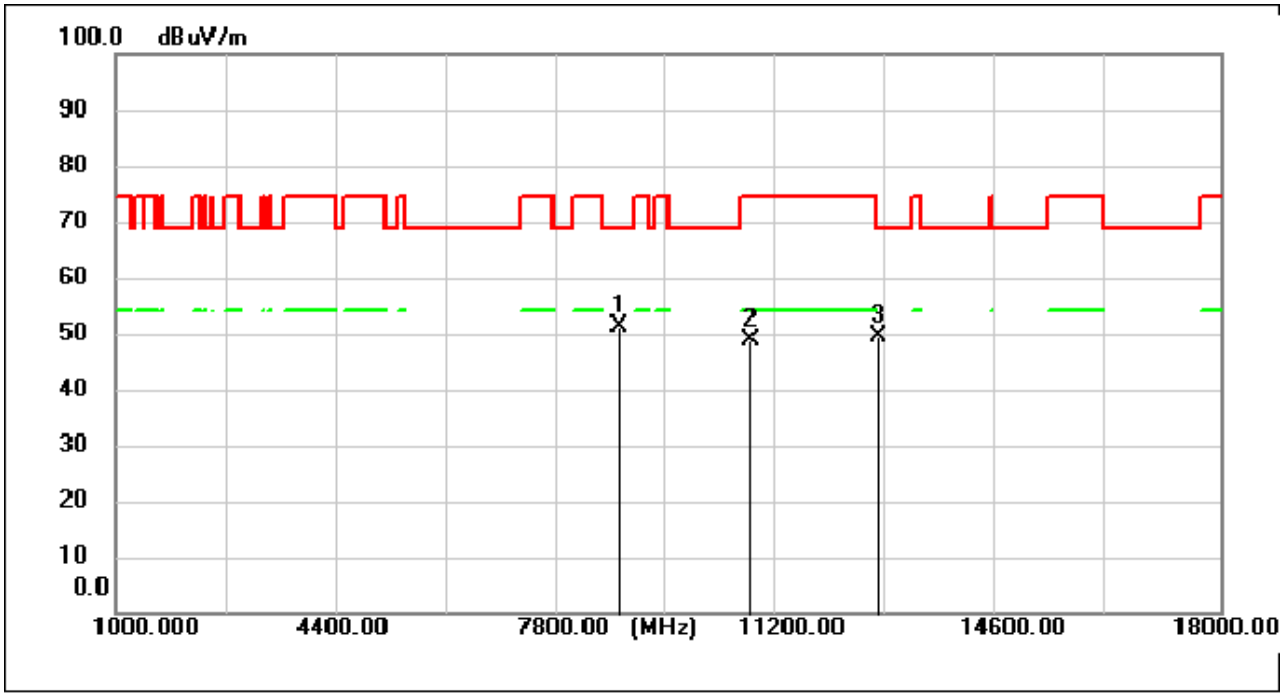
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7860.350	58.39	-9.46	48.93	68.30	-19.37	peak
2	10225.900	54.88	-5.77	49.11	68.30	-19.19	peak
3	12929.750	54.65	-5.93	48.72	68.30	-19.58	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



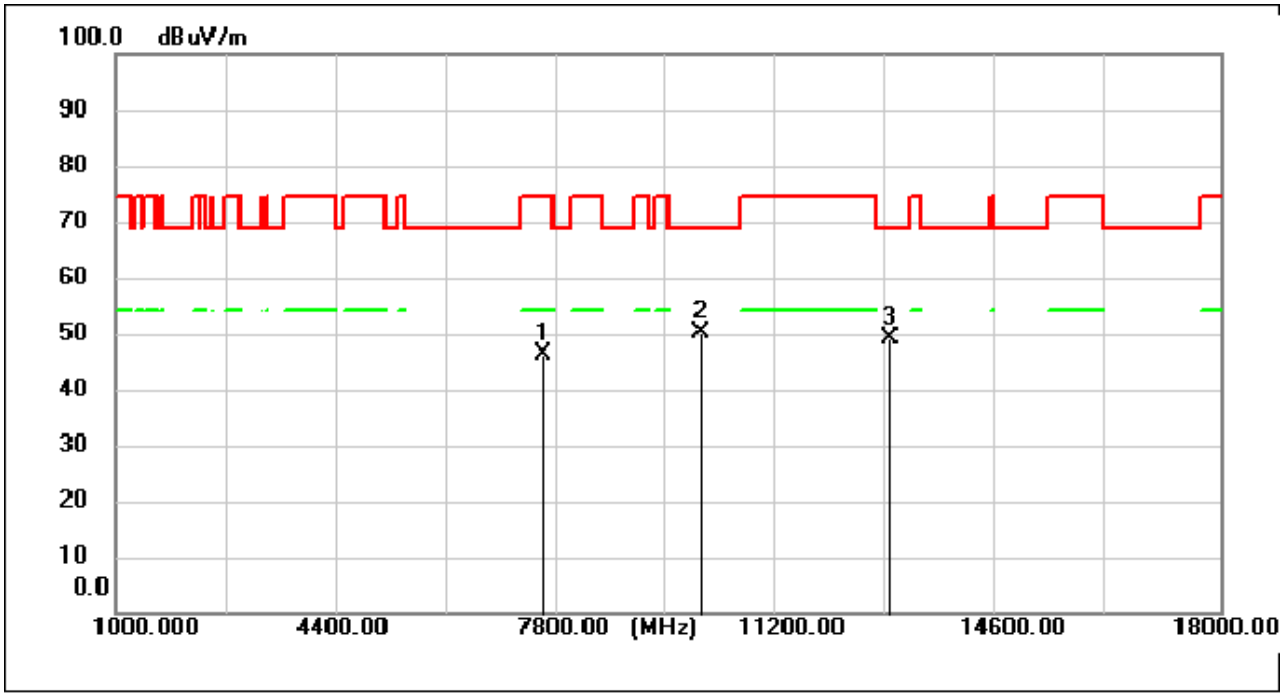
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9145.550	56.95	-7.42	49.53	74.00	-24.47	peak
2	12143.500	55.45	-6.34	49.11	74.00	-24.89	peak
3	13795.050	55.10	-5.39	49.71	68.30	-18.59	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



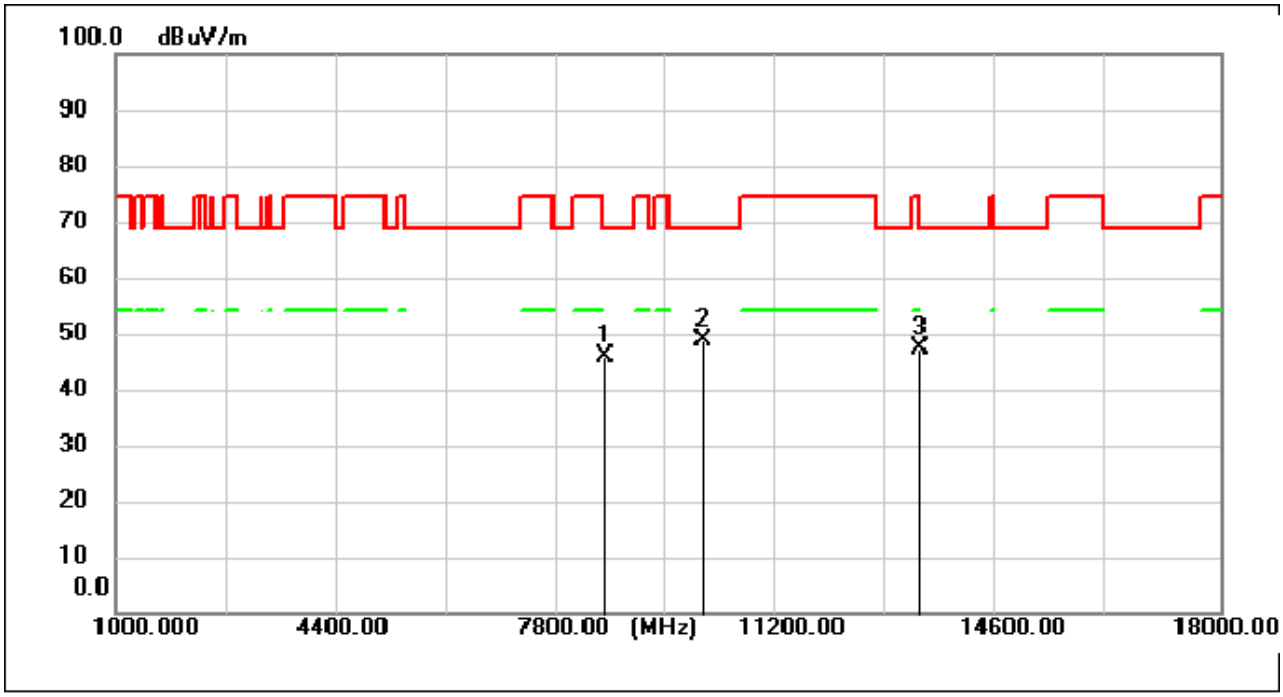
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8737.550	59.40	-8.20	51.20	68.30	-17.10	peak
2	10775.000	55.01	-6.22	48.79	74.00	-25.21	peak
3	12718.950	55.38	-6.04	49.34	68.30	-18.96	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



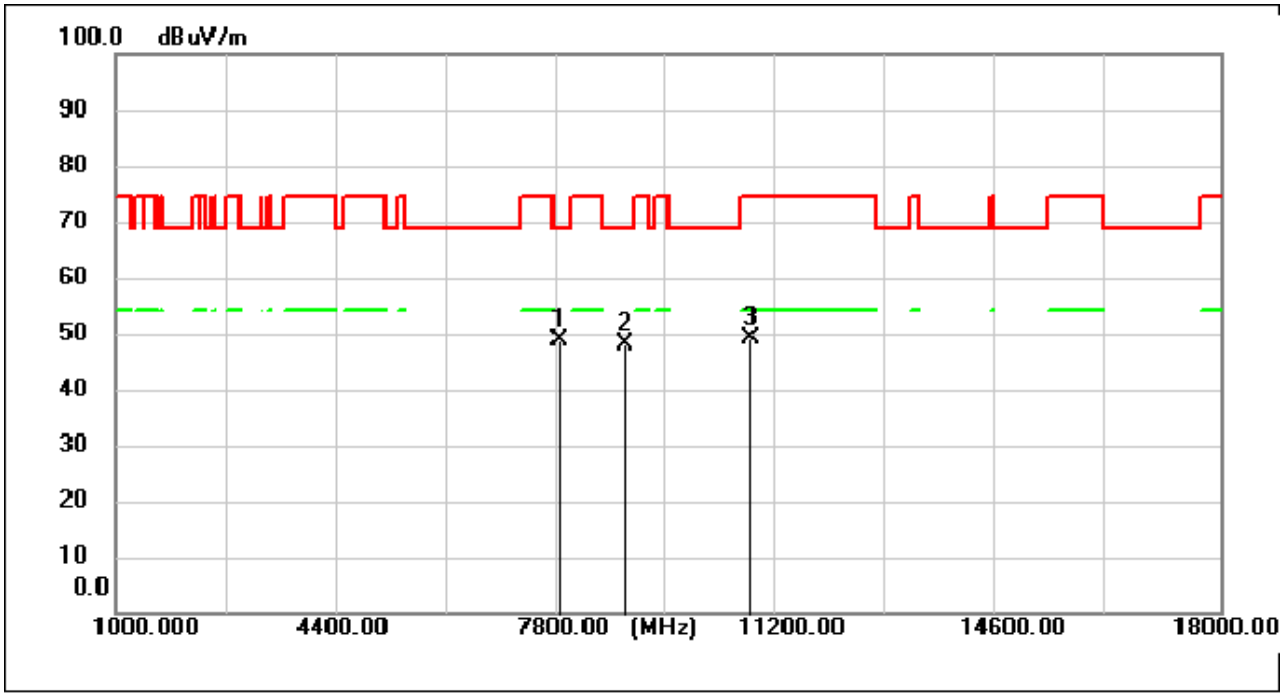
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7570.500	55.97	-9.79	46.18	74.00	-27.82	peak
2	9998.100	55.91	-5.58	50.33	68.30	-17.97	peak
3	12922.100	55.18	-5.93	49.25	68.30	-19.05	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



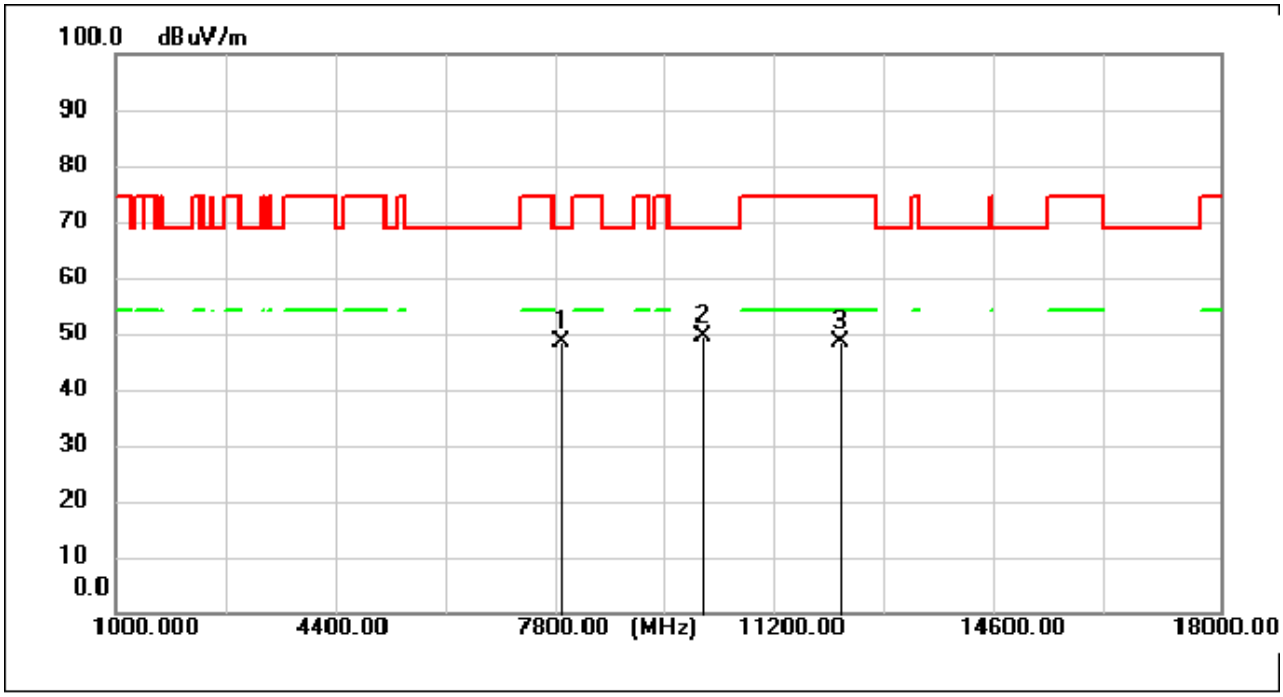
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8531.850	54.46	-8.50	45.96	68.30	-22.34	peak
2	10024.450	54.26	-5.60	48.66	68.30	-19.64	peak
3	13376.000	52.94	-5.61	47.33	74.00	-26.67	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



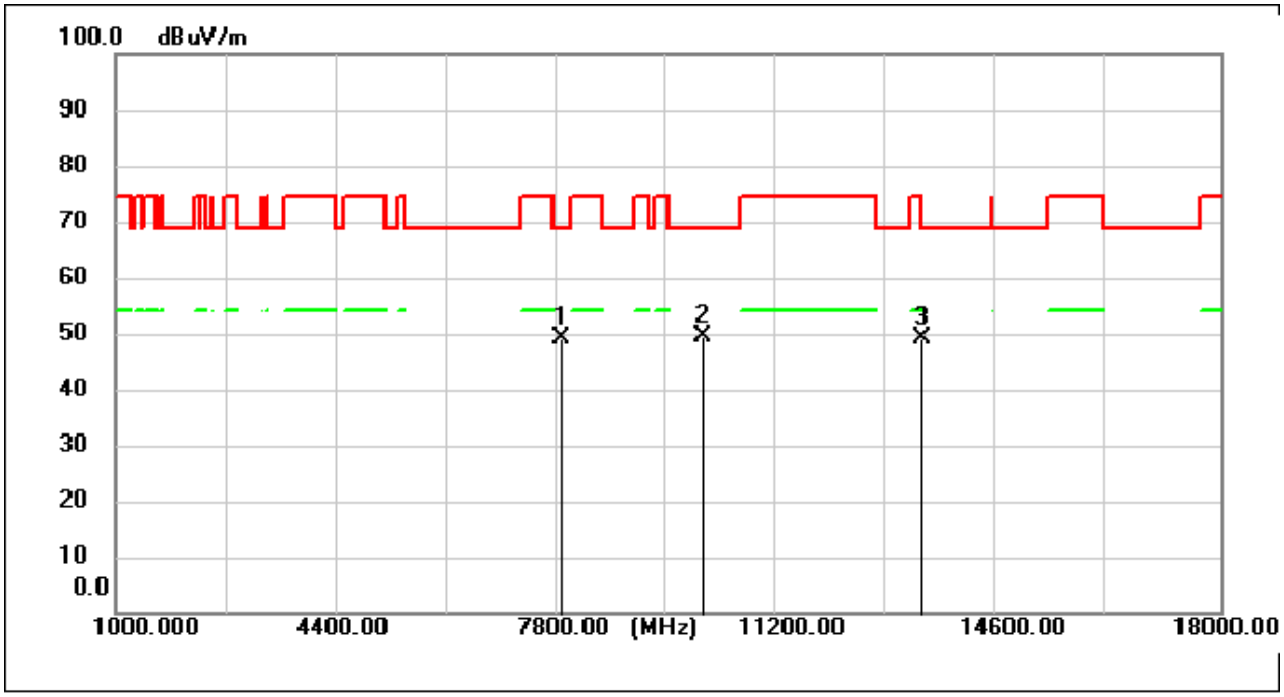
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7803.400	58.27	-9.53	48.74	68.30	-19.56	peak
2	8845.500	56.08	-8.05	48.03	68.30	-20.27	peak
3	10765.650	55.30	-6.21	49.09	74.00	-24.91	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



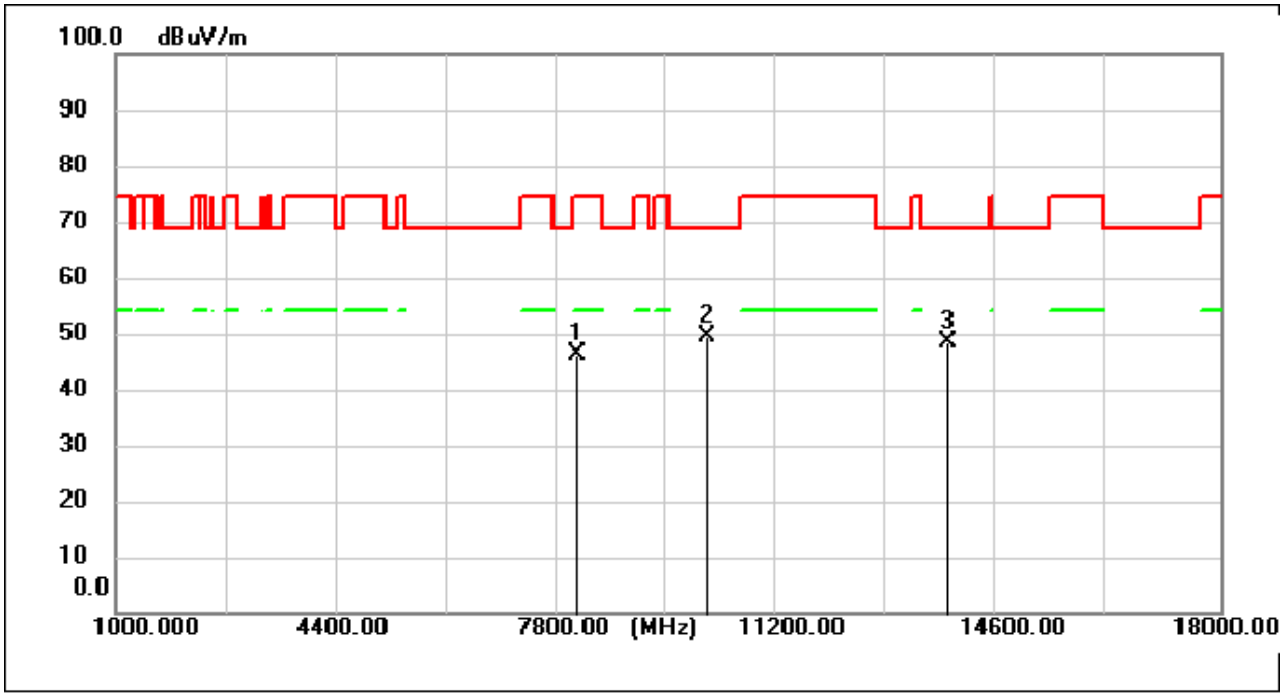
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7859.500	57.84	-9.46	48.38	68.30	-19.92	peak
2	10038.900	54.93	-5.61	49.32	68.30	-18.98	peak
3	12165.600	54.68	-6.33	48.35	74.00	-25.65	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



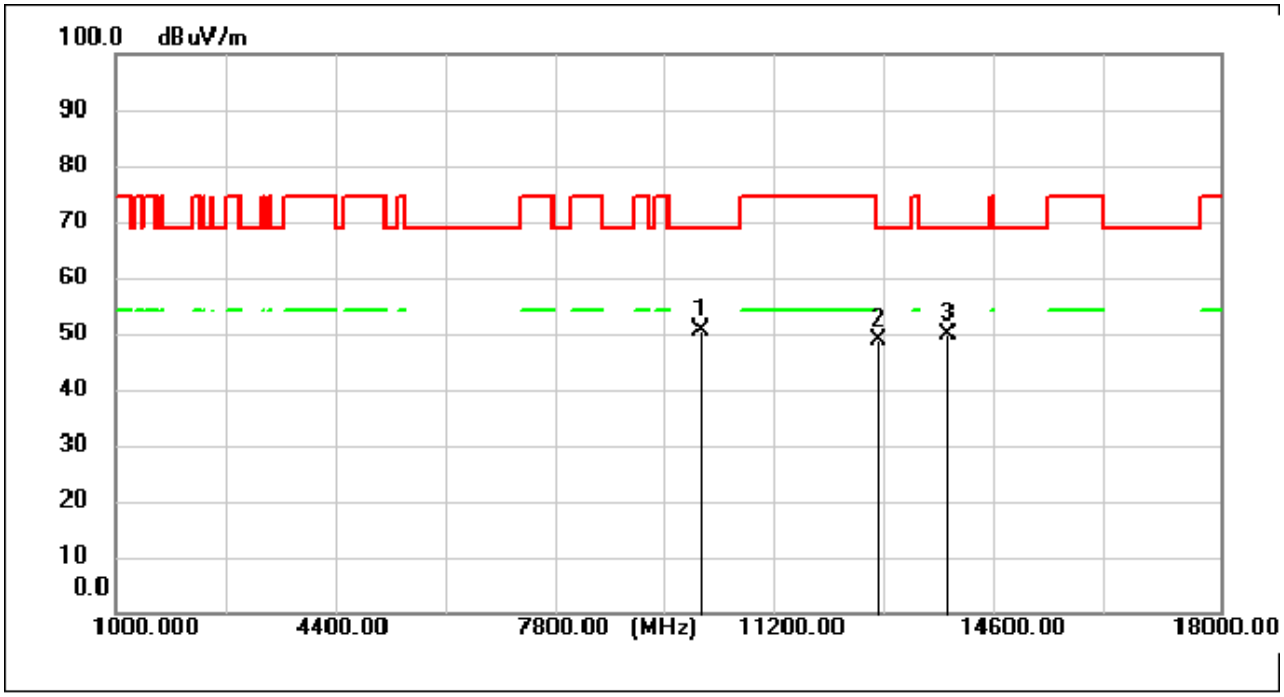
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7859.500	58.65	-9.46	49.19	68.30	-19.11	peak
2	10038.900	55.21	-5.61	49.60	68.30	-18.70	peak
3	13398.950	54.57	-5.59	48.98	74.00	-25.02	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



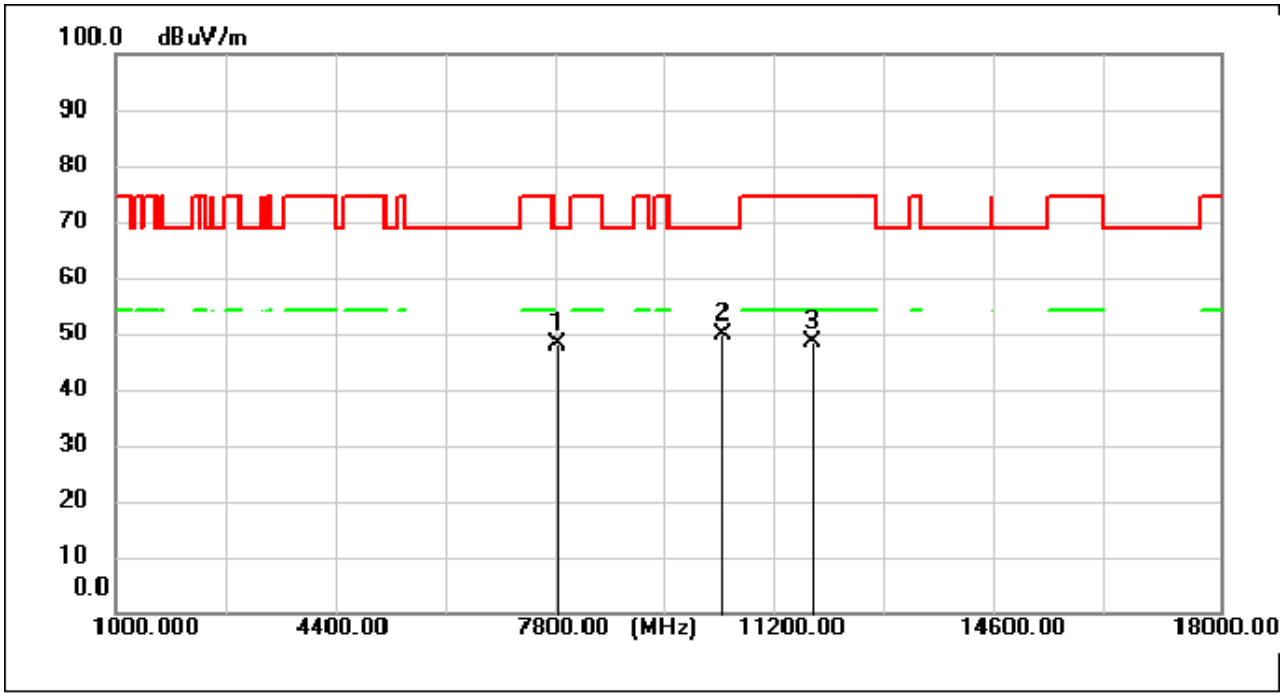
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8082.200	55.49	-9.17	46.32	74.00	-27.68	peak
2	10082.250	55.29	-5.65	49.64	68.30	-18.66	peak
3	13807.800	53.87	-5.38	48.49	68.30	-19.81	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



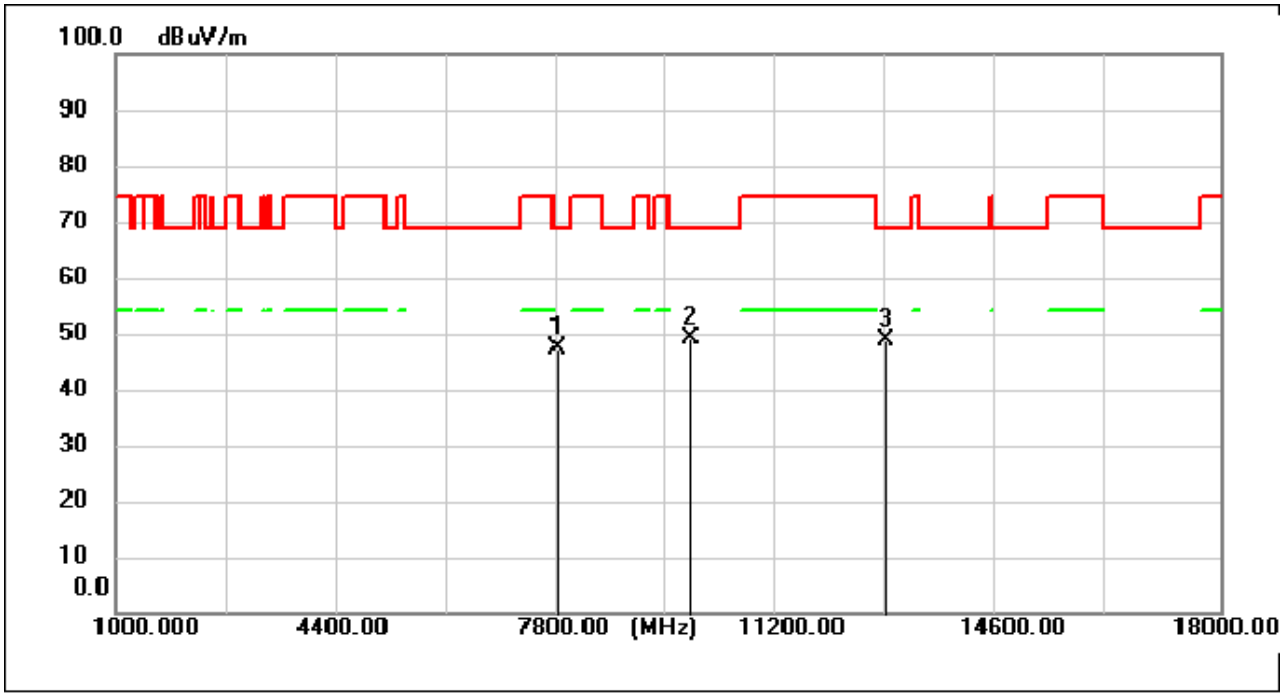
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9995.550	56.13	-5.58	50.55	68.30	-17.75	peak
2	12713.850	54.95	-6.05	48.90	68.30	-19.40	peak
3	13796.750	55.17	-5.39	49.78	68.30	-18.52	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



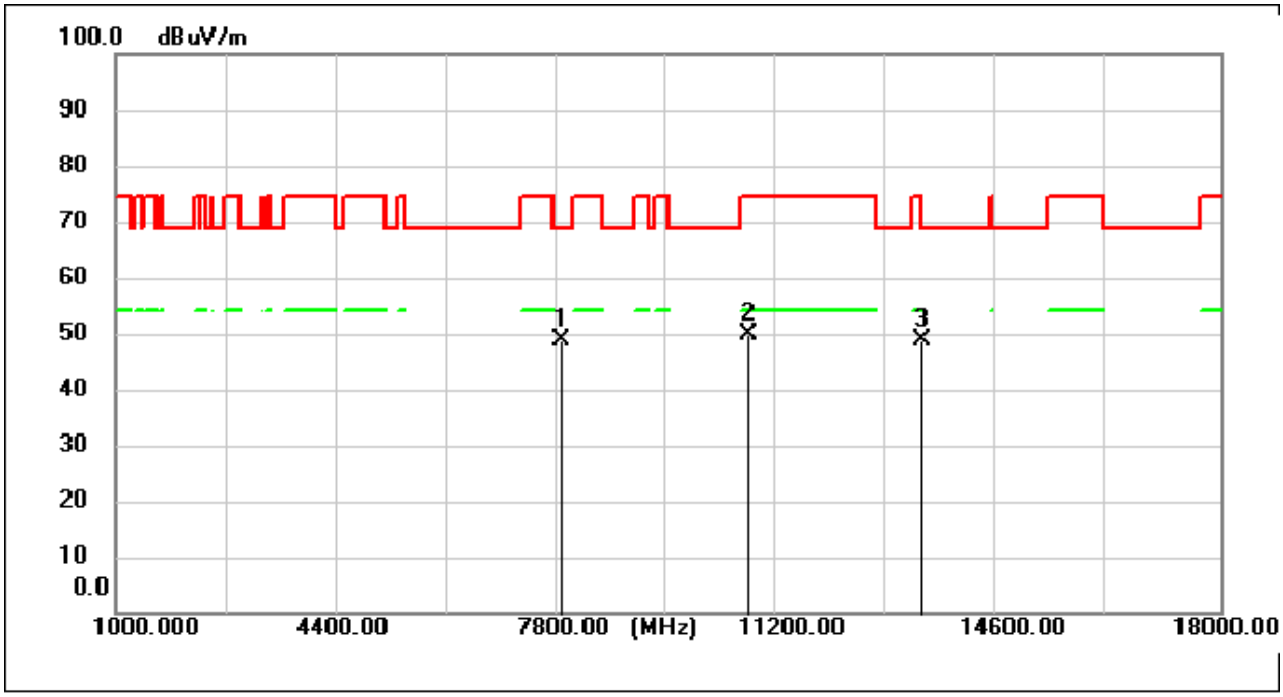
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7800.000	57.48	-9.53	47.95	68.30	-20.35	peak
2	10347.450	55.86	-5.87	49.99	68.30	-18.31	peak
3	11713.400	54.73	-6.47	48.26	74.00	-25.74	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



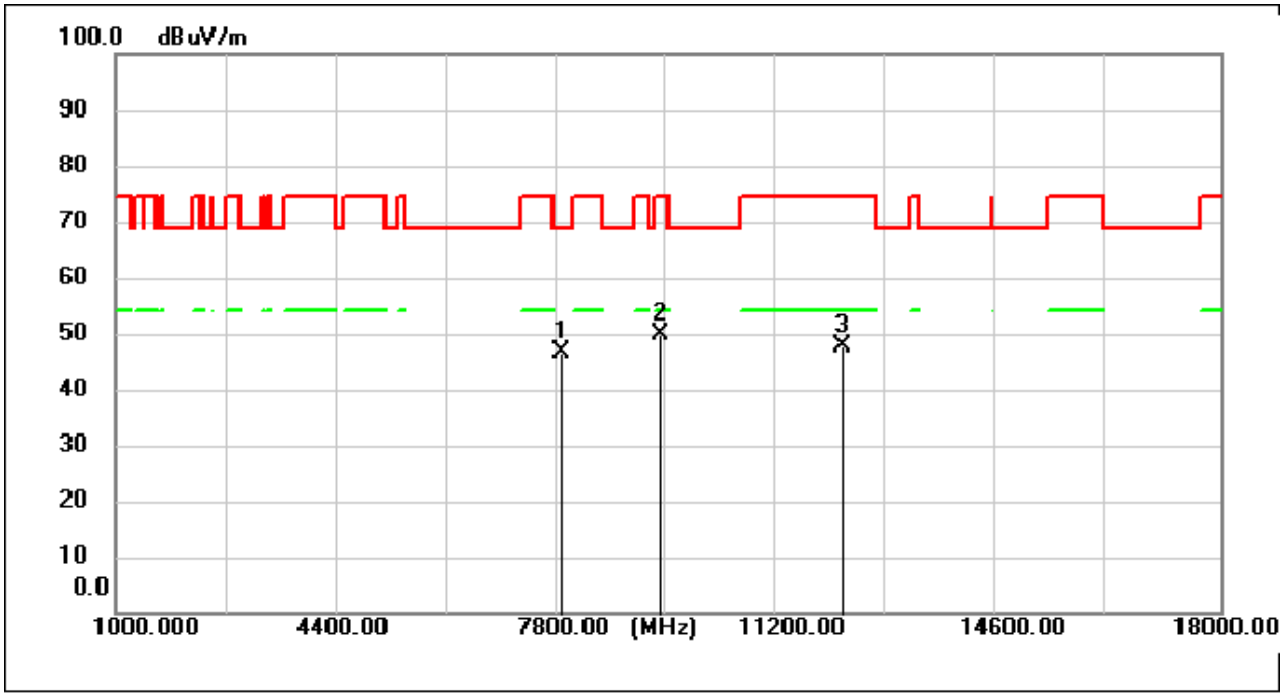
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7800.000	57.02	-9.53	47.49	68.30	-20.81	peak
2	9840.000	54.90	-5.67	49.23	68.30	-19.07	peak
3	12849.000	54.56	-5.97	48.59	68.30	-19.71	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



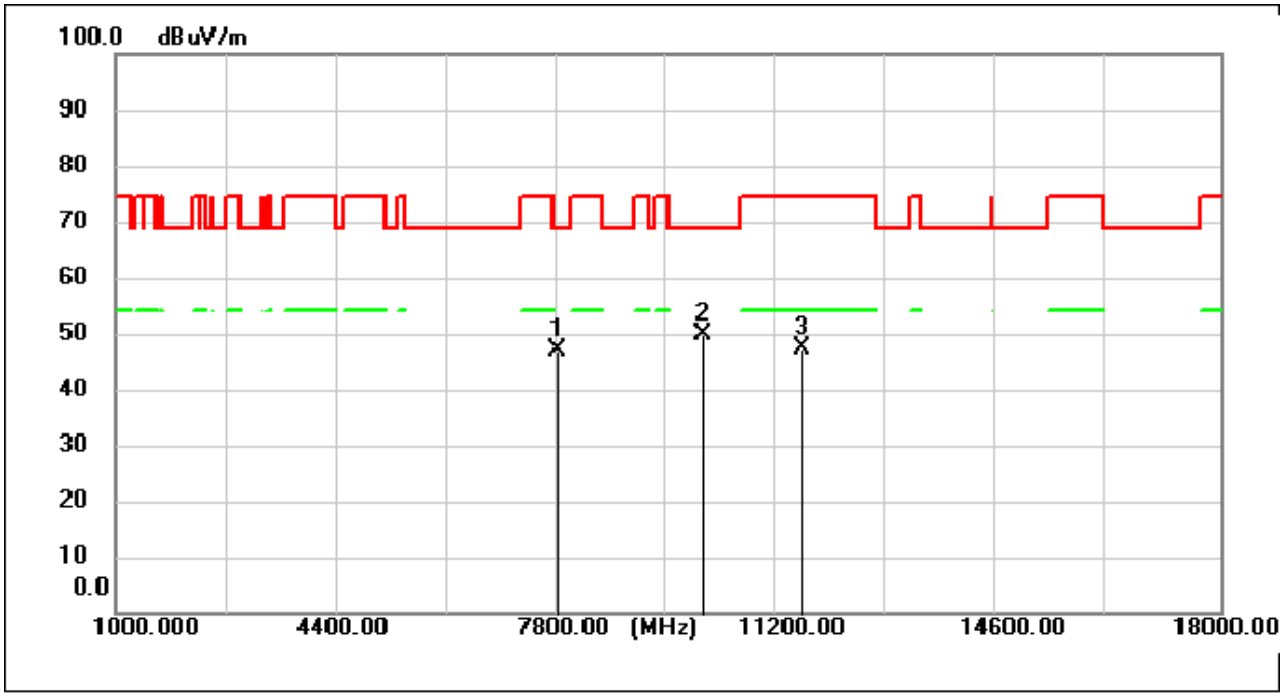
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7860.350	58.21	-9.46	48.75	68.30	-19.55	peak
2	10749.500	56.11	-6.20	49.91	74.00	-24.09	peak
3	13398.950	54.26	-5.59	48.67	74.00	-25.33	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



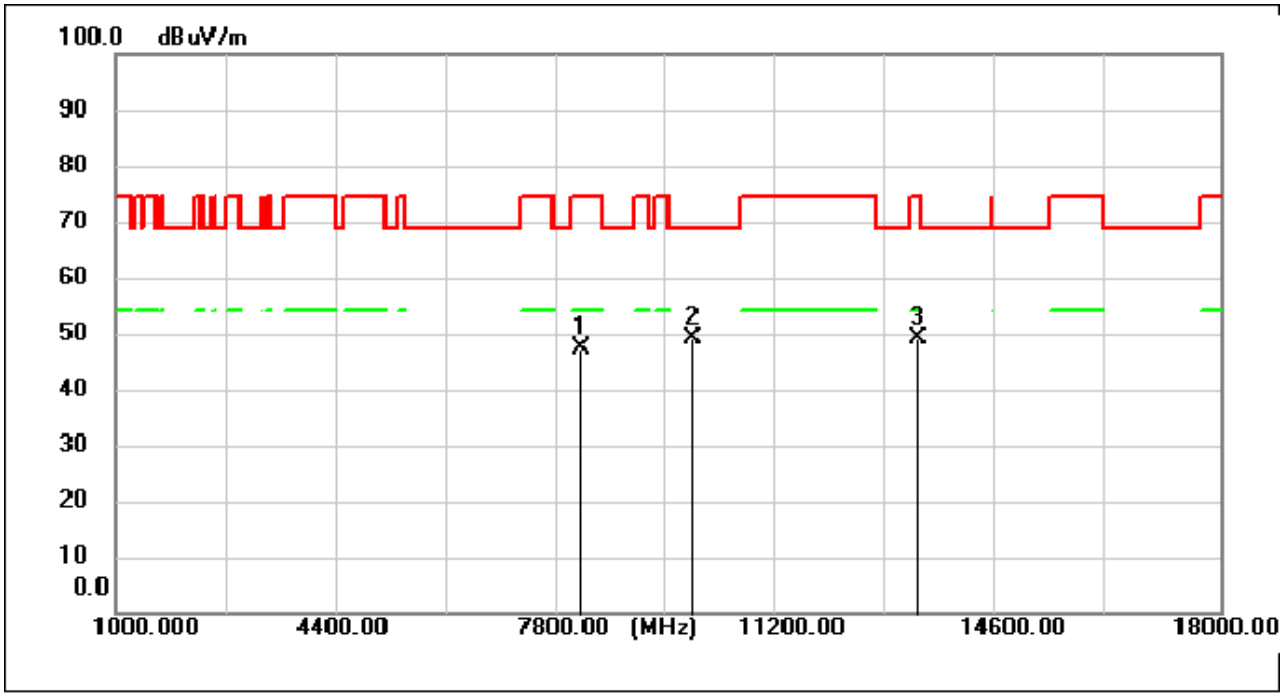
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7860.350	56.12	-9.46	46.66	68.30	-21.64	peak
2	9369.100	56.59	-6.85	49.74	74.00	-24.26	peak
3	12169.850	54.12	-6.33	47.79	74.00	-26.21	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



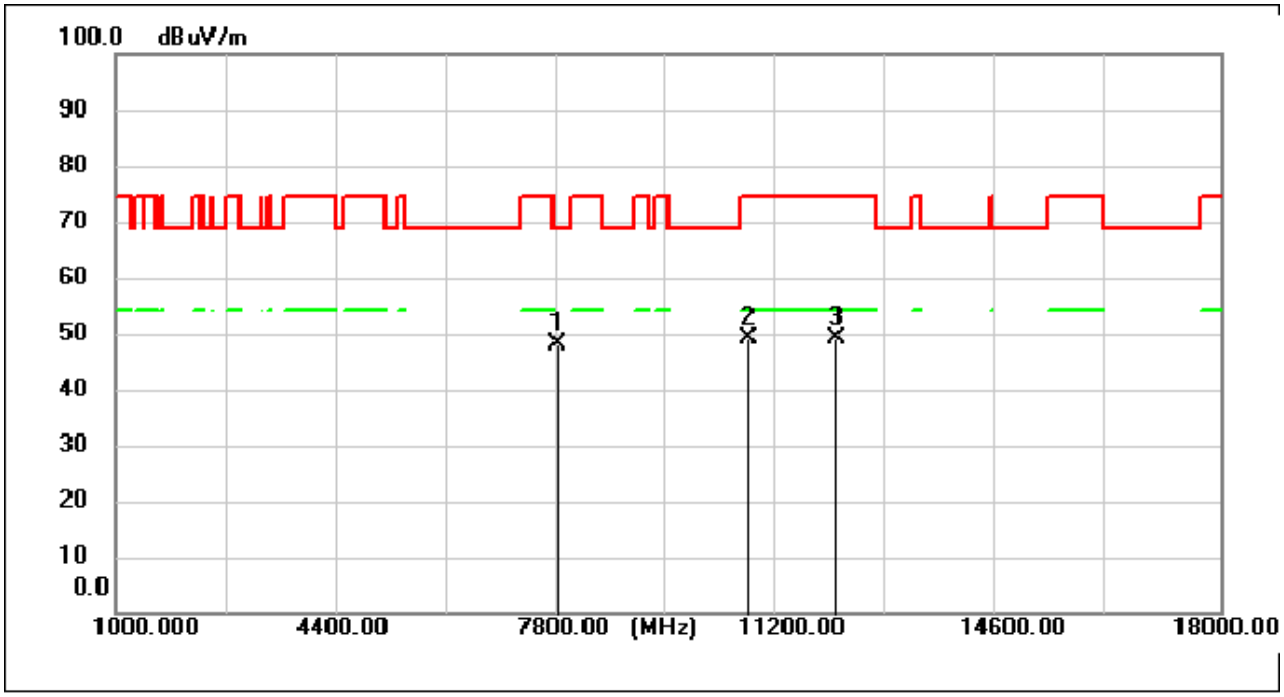
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7770.250	56.57	-9.56	47.01	68.30	-21.29	peak
2	10027.850	55.47	-5.60	49.87	68.30	-18.43	peak
3	11540.850	53.74	-6.46	47.28	74.00	-26.72	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



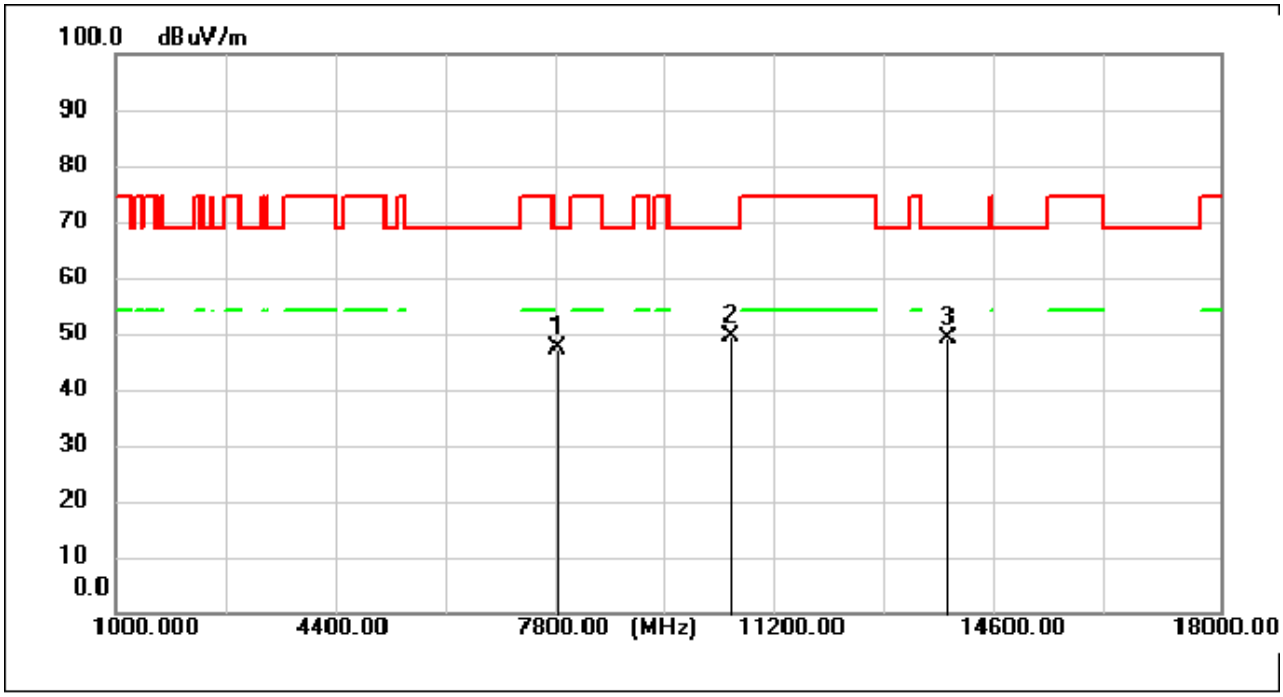
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8142.550	56.46	-9.07	47.39	74.00	-26.61	peak
2	9858.700	54.91	-5.64	49.27	68.30	-19.03	peak
3	13341.150	54.75	-5.62	49.13	74.00	-24.87	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



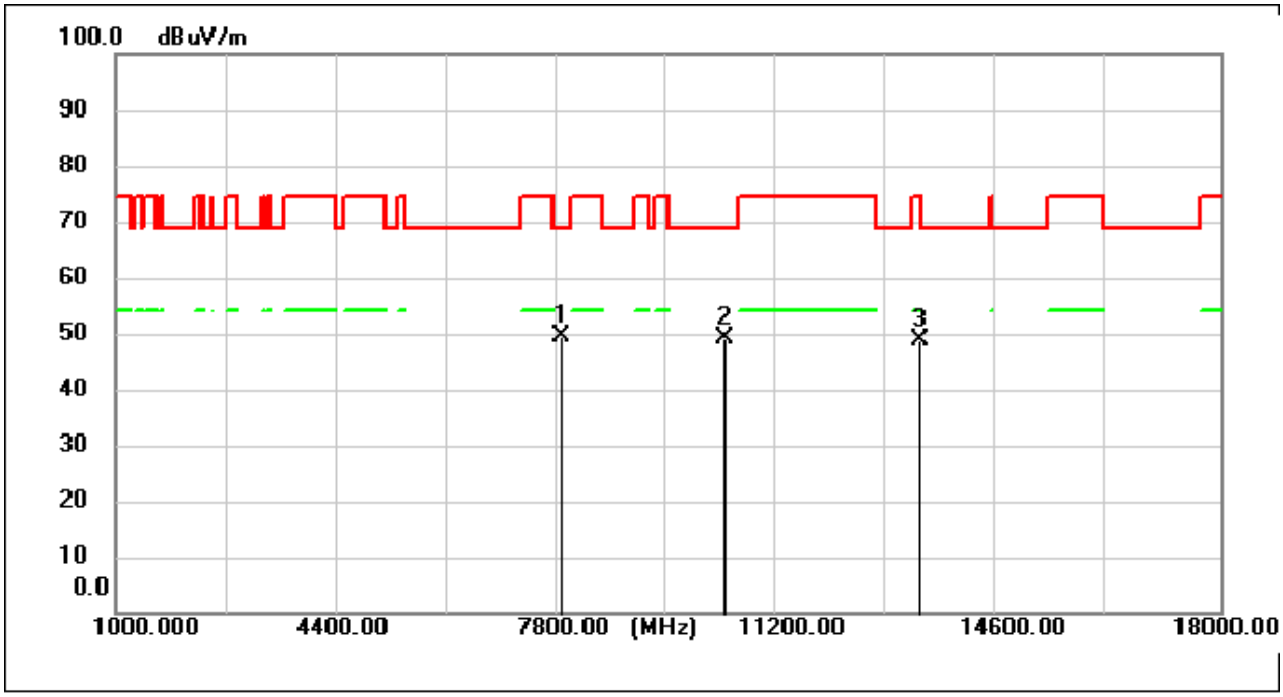
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7800.000	57.59	-9.53	48.06	68.30	-20.24	peak
2	10743.550	55.34	-6.20	49.14	74.00	-24.86	peak
3	12084.000	55.36	-6.37	48.99	74.00	-25.01	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



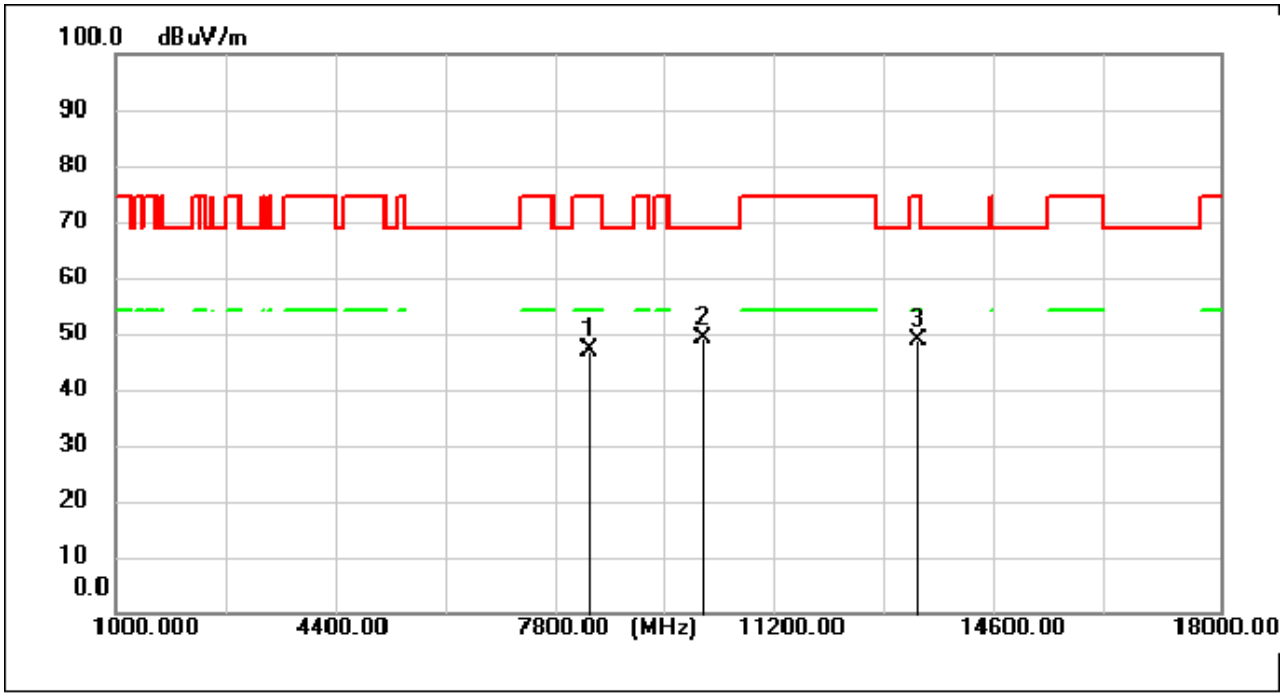
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7800.000	57.00	-9.53	47.47	68.30	-20.83	peak
2	10436.700	55.39	-5.94	49.45	68.30	-18.85	peak
3	13806.100	54.32	-5.38	48.94	68.30	-19.36	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



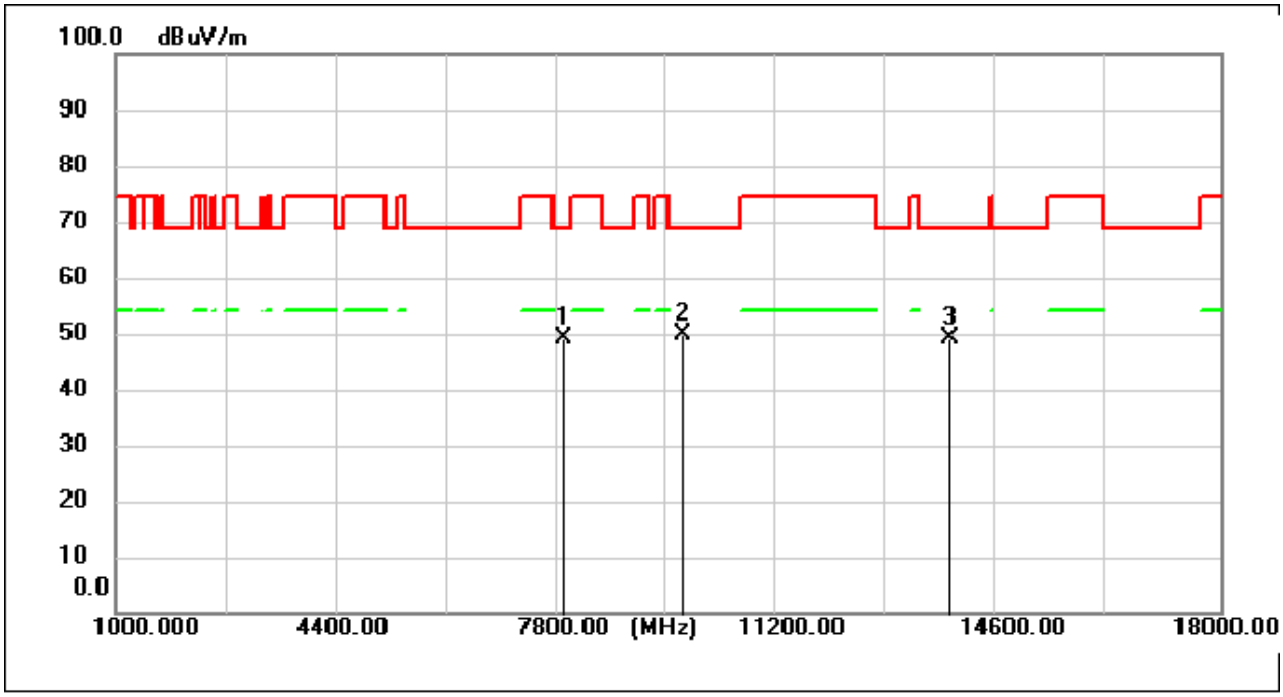
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7860.350	58.95	-9.46	49.49	68.30	-18.81	peak
2	10367.000	54.91	-5.88	49.03	68.30	-19.27	peak
3	13366.650	54.28	-5.62	48.66	74.00	-25.34	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



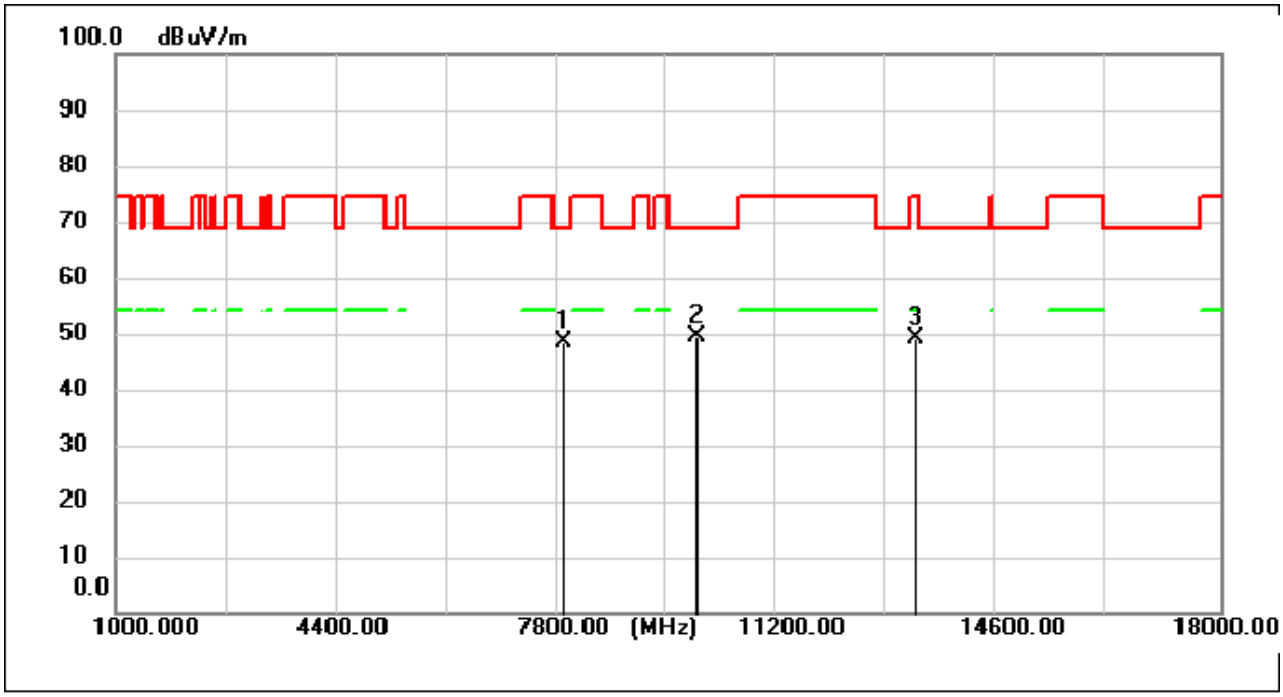
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8273.450	55.94	-8.88	47.06	74.00	-26.94	peak
2	10027.850	54.76	-5.60	49.16	68.30	-19.14	peak
3	13359.000	54.22	-5.61	48.61	74.00	-25.39	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



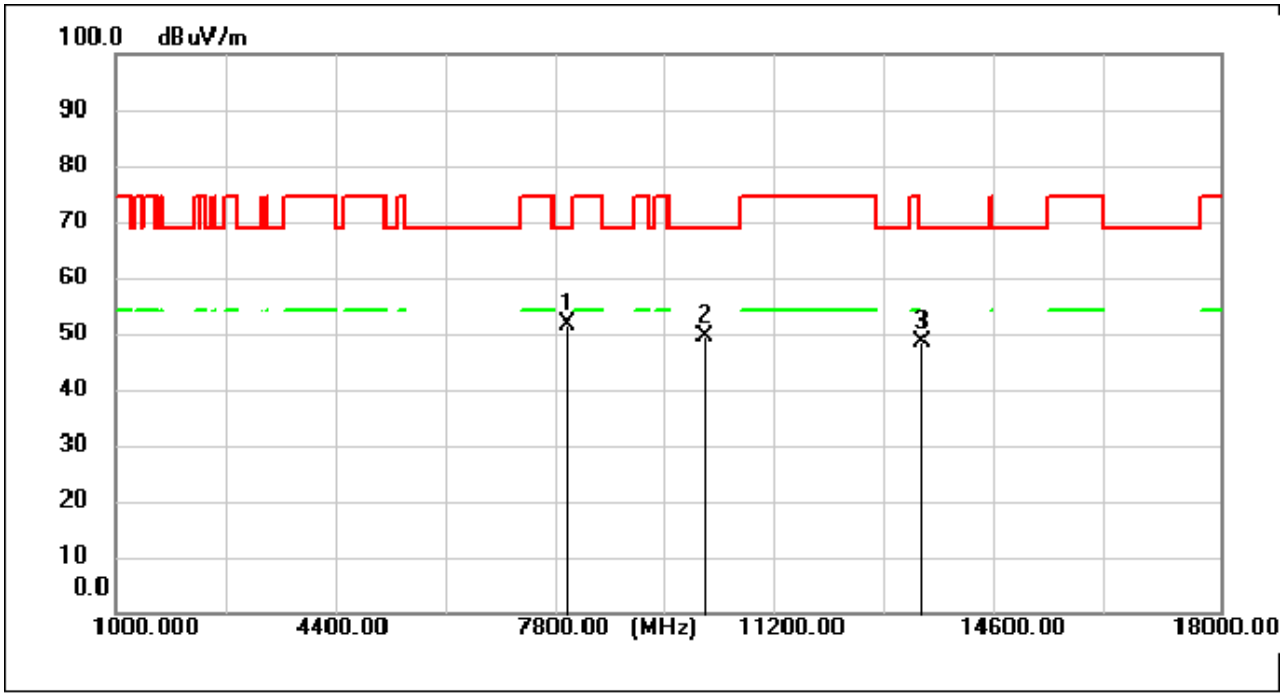
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7890.100	58.53	-9.43	49.10	68.30	-19.20	peak
2	9726.100	55.86	-5.95	49.91	68.30	-18.39	peak
3	13851.150	54.32	-5.36	48.96	68.30	-19.34	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



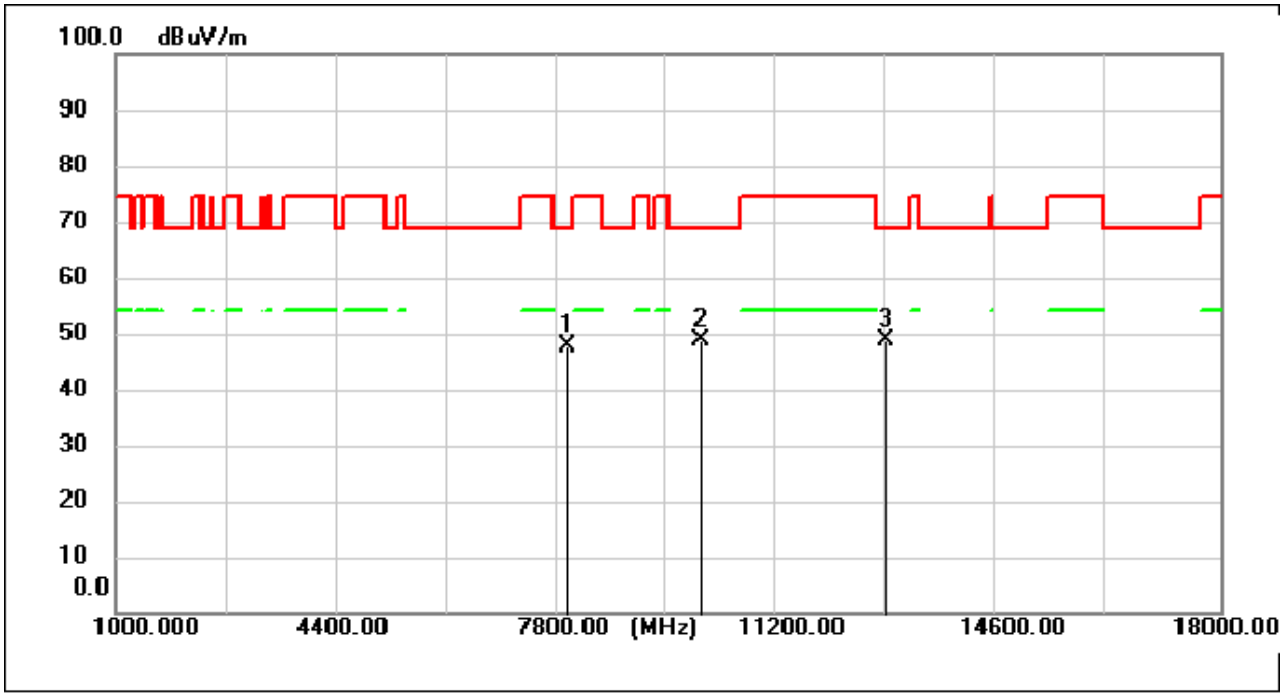
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7890.100	57.71	-9.43	48.28	68.30	-20.02	peak
2	9940.300	55.12	-5.60	49.52	68.30	-18.78	peak
3	13306.300	54.75	-5.64	49.11	74.00	-24.89	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



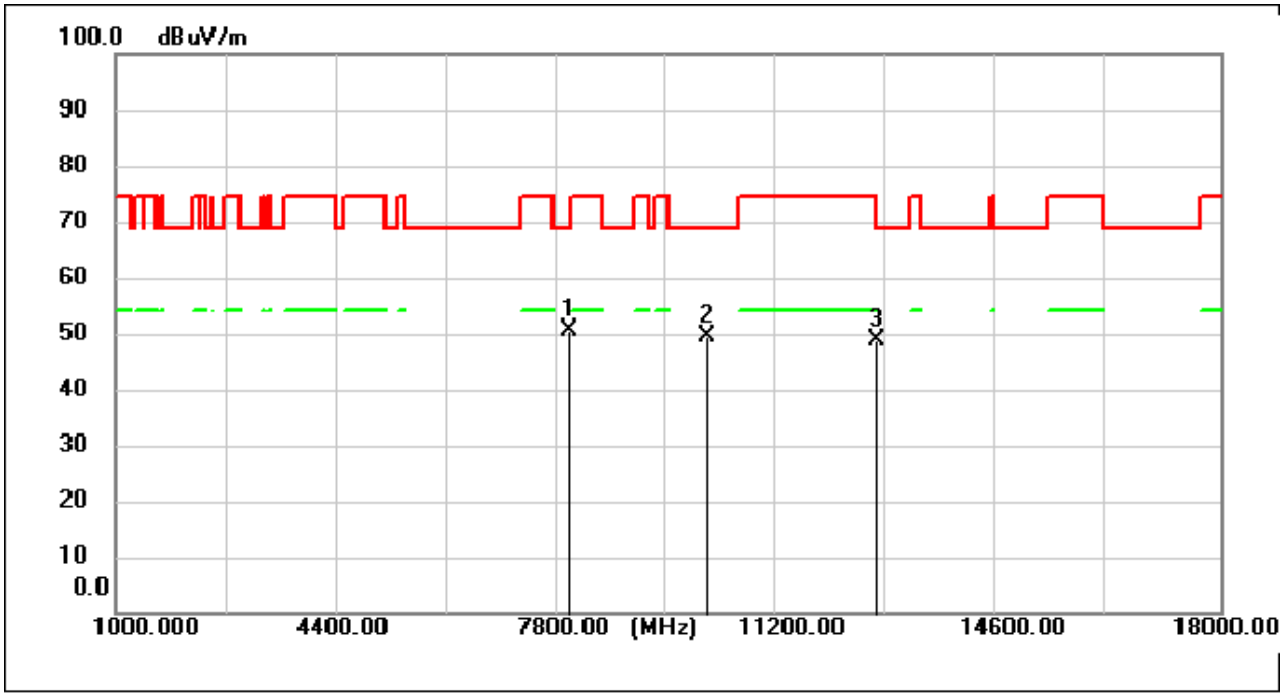
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7950.450	61.14	-9.36	51.78	68.30	-16.52	peak
2	10075.450	55.08	-5.64	49.44	68.30	-18.86	peak
3	13402.350	54.06	-5.59	48.47	68.30	-19.83	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



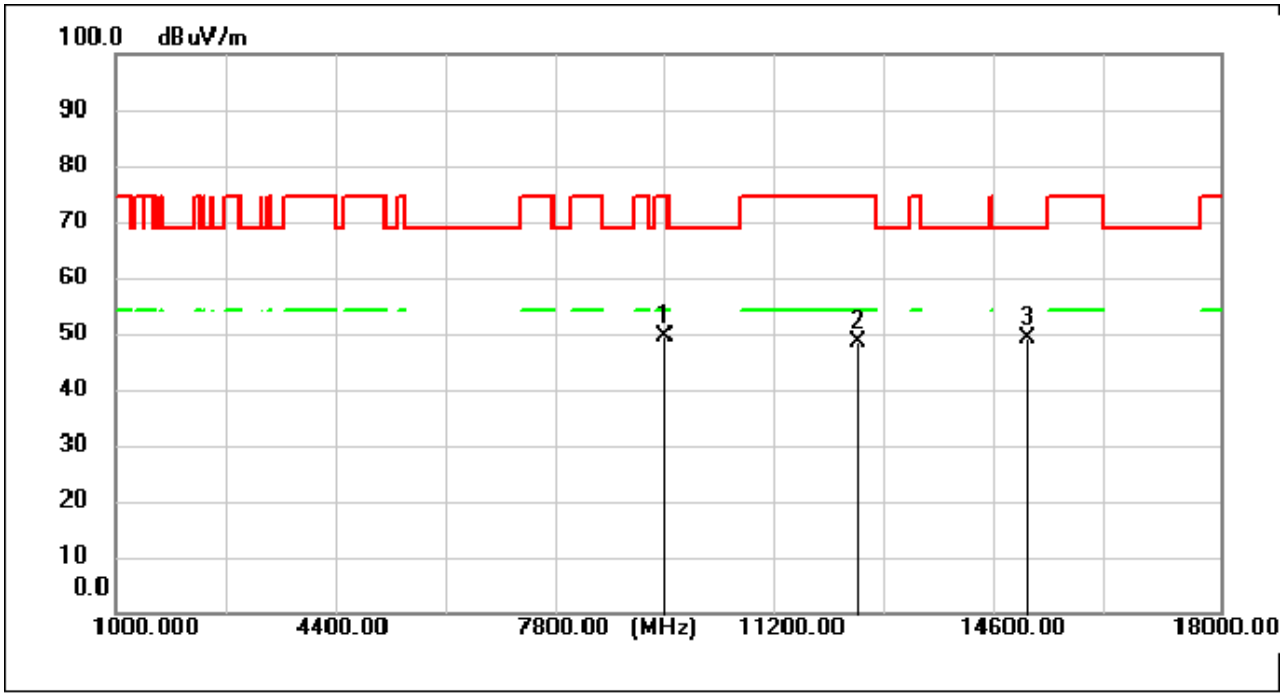
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7950.450	57.00	-9.36	47.64	68.30	-20.66	peak
2	9995.550	54.49	-5.58	48.91	68.30	-19.39	peak
3	12853.250	54.70	-5.97	48.73	68.30	-19.57	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



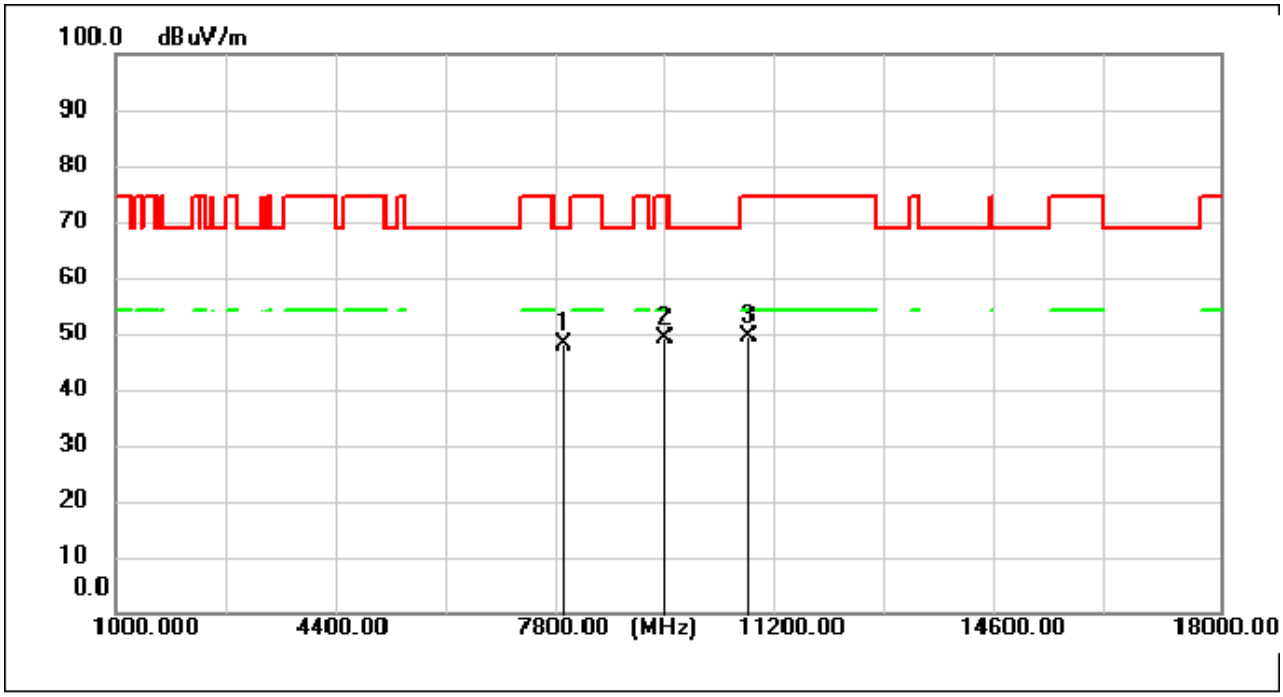
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7980.200	59.97	-9.32	50.65	68.30	-17.65	peak
2	10078.850	54.94	-5.65	49.29	68.30	-19.01	peak
3	12712.150	54.71	-6.05	48.66	68.30	-19.64	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



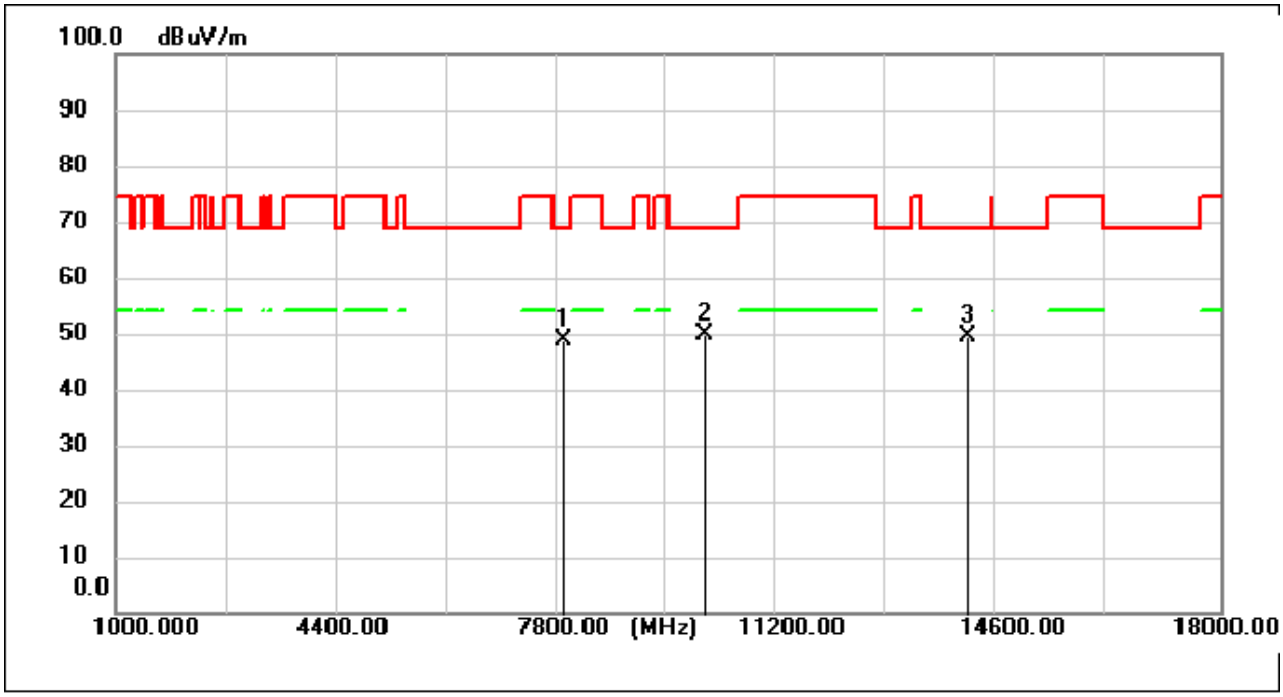
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9463.450	55.99	-6.62	49.37	74.00	-24.63	peak
2	12422.300	54.62	-6.19	48.43	74.00	-25.57	peak
3	15038.600	53.75	-4.69	49.06	68.30	-19.24	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



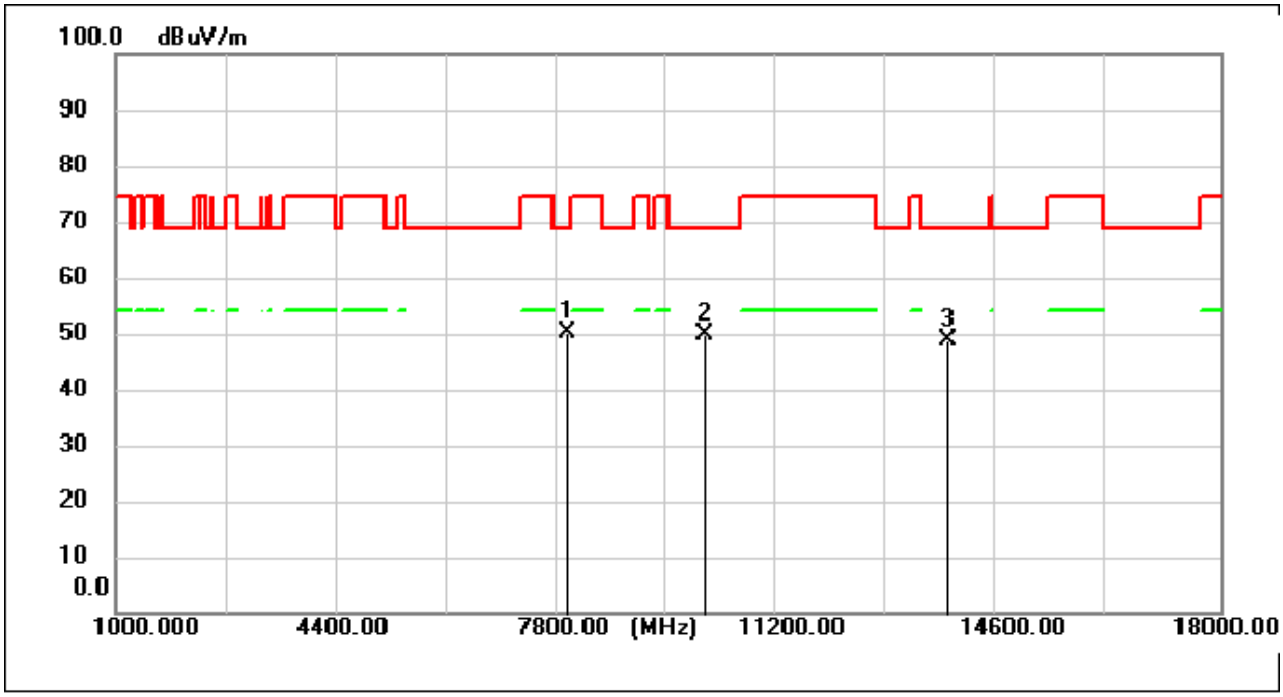
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7890.100	57.32	-9.43	47.89	68.30	-20.41	peak
2	9457.500	55.60	-6.63	48.97	74.00	-25.03	peak
3	10745.250	55.73	-6.20	49.53	74.00	-24.47	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



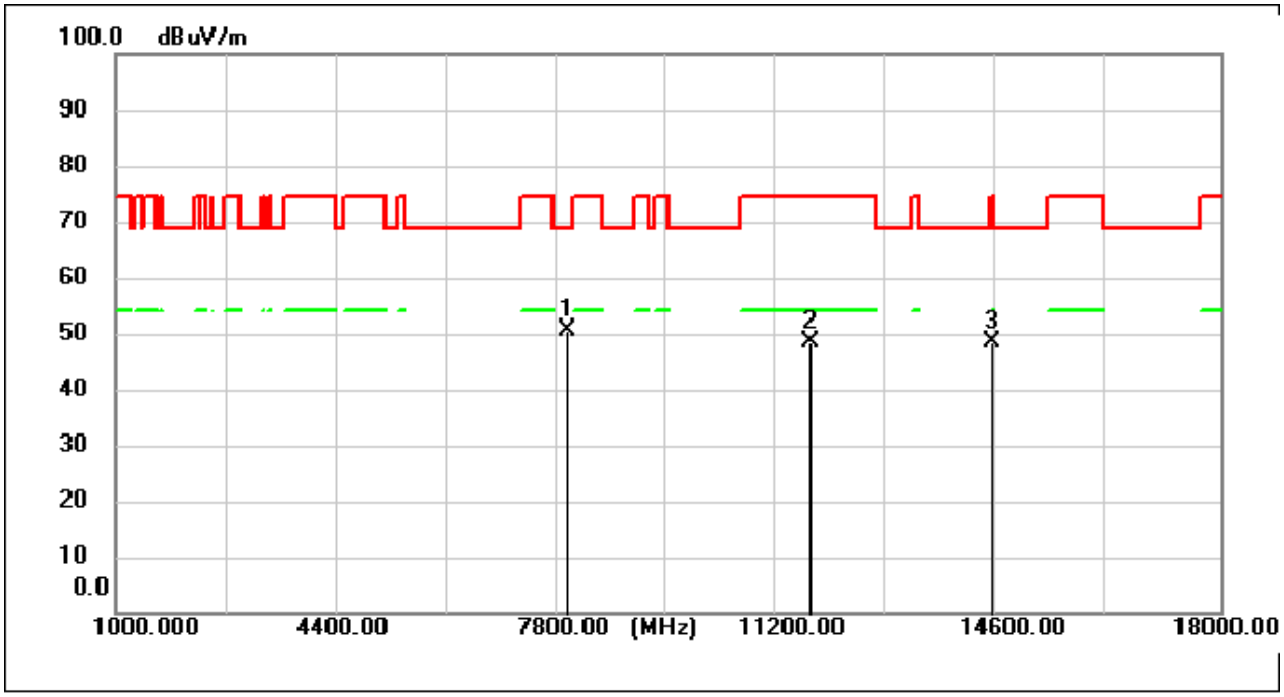
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7890.950	58.18	-9.43	48.75	68.30	-19.55	peak
2	10048.250	55.47	-5.61	49.86	68.30	-18.44	peak
3	14098.500	54.69	-5.28	49.41	68.30	-18.89	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



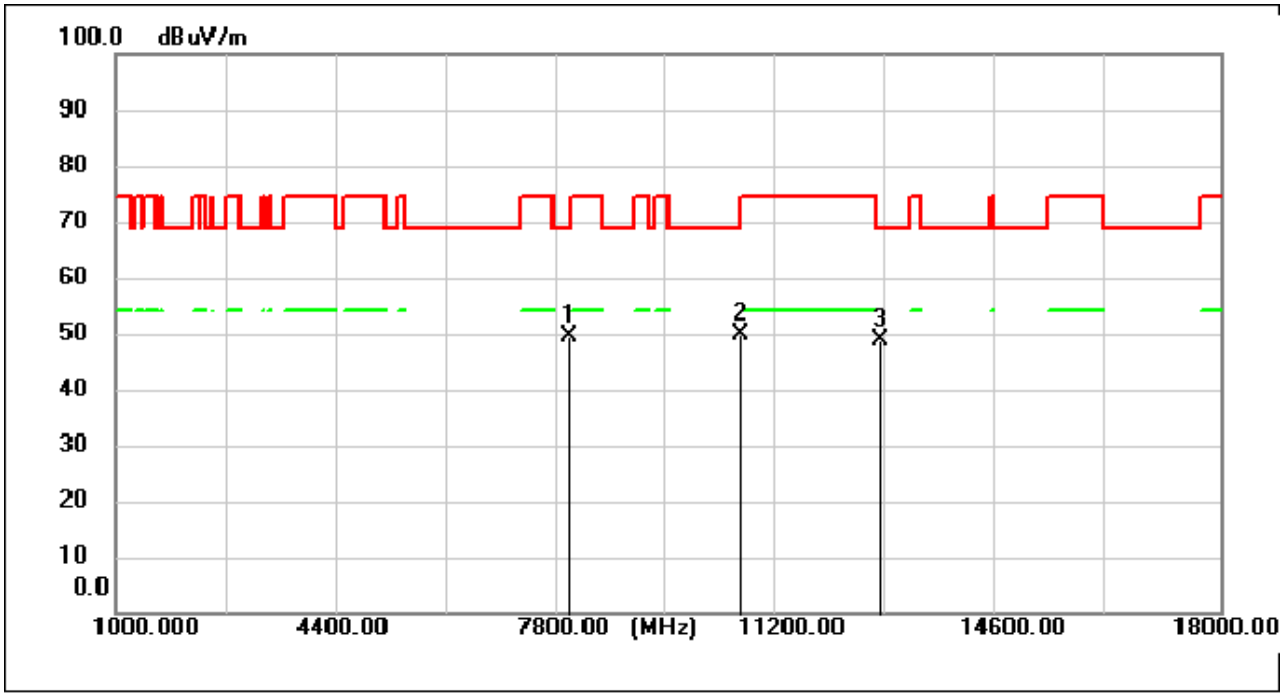
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7950.450	59.48	-9.36	50.12	68.30	-18.18	peak
2	10050.800	55.62	-5.62	50.00	68.30	-18.30	peak
3	13818.000	54.18	-5.38	48.80	68.30	-19.50	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



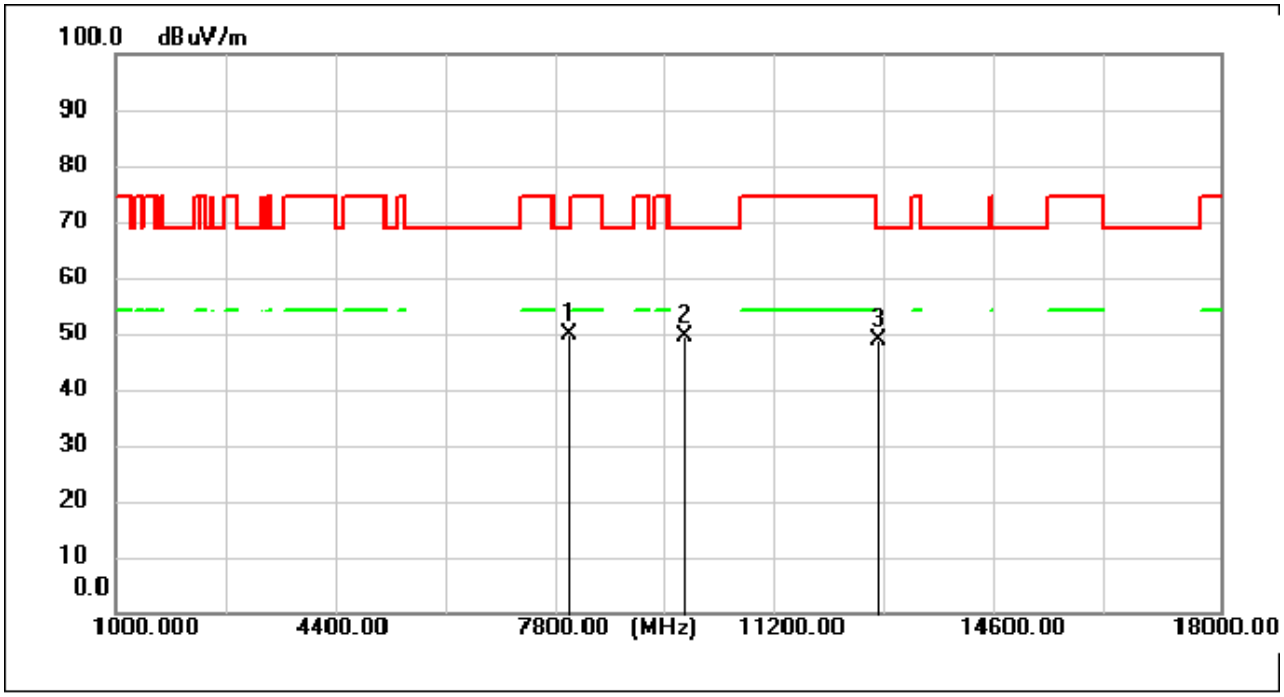
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7948.750	59.72	-9.36	50.36	68.30	-17.94	peak
2	11689.600	54.91	-6.47	48.44	74.00	-25.56	peak
3	14486.100	53.65	-5.21	48.44	74.00	-25.56	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



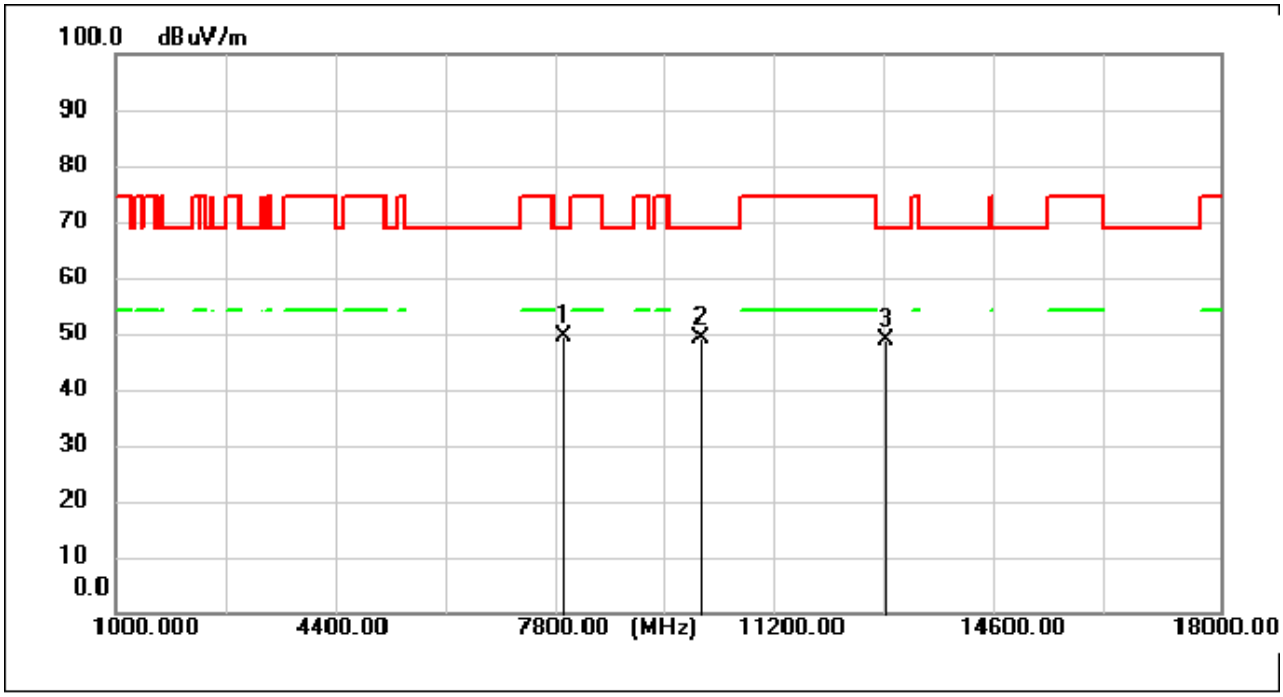
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7980.200	58.82	-9.32	49.50	68.30	-18.80	peak
2	10616.050	55.82	-6.09	49.73	74.00	-24.27	peak
3	12762.300	54.78	-6.01	48.77	68.30	-19.53	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



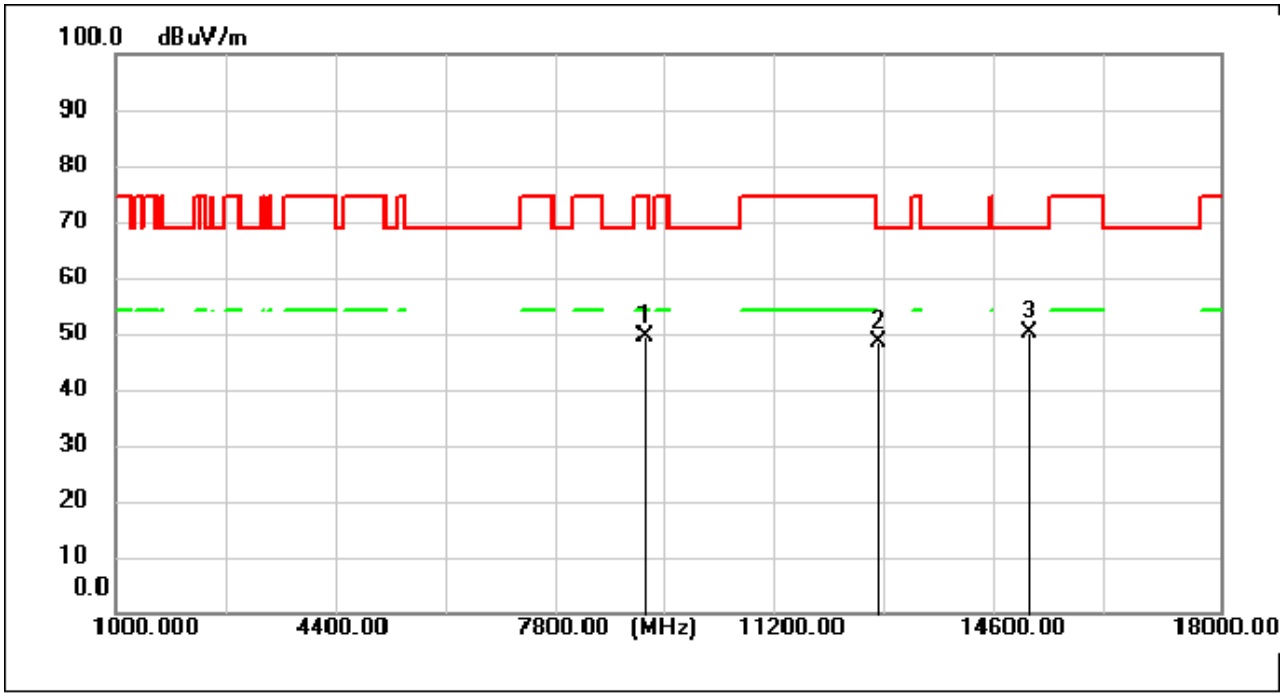
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7980.200	59.18	-9.32	49.86	68.30	-18.44	peak
2	9769.450	55.26	-5.84	49.42	68.30	-18.88	peak
3	12716.400	54.66	-6.04	48.62	68.30	-19.68	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



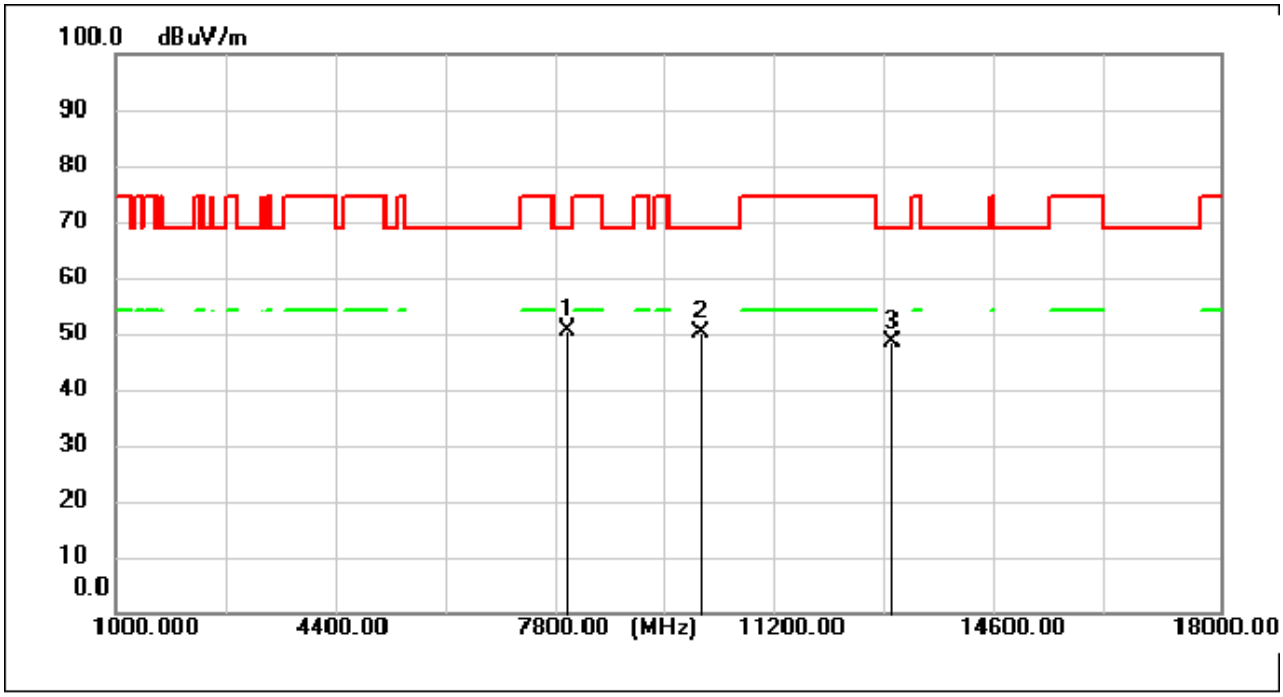
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7890.100	59.00	-9.43	49.57	68.30	-18.73	peak
2	9999.800	54.65	-5.58	49.07	68.30	-19.23	peak
3	12862.600	54.80	-5.96	48.84	68.30	-19.46	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



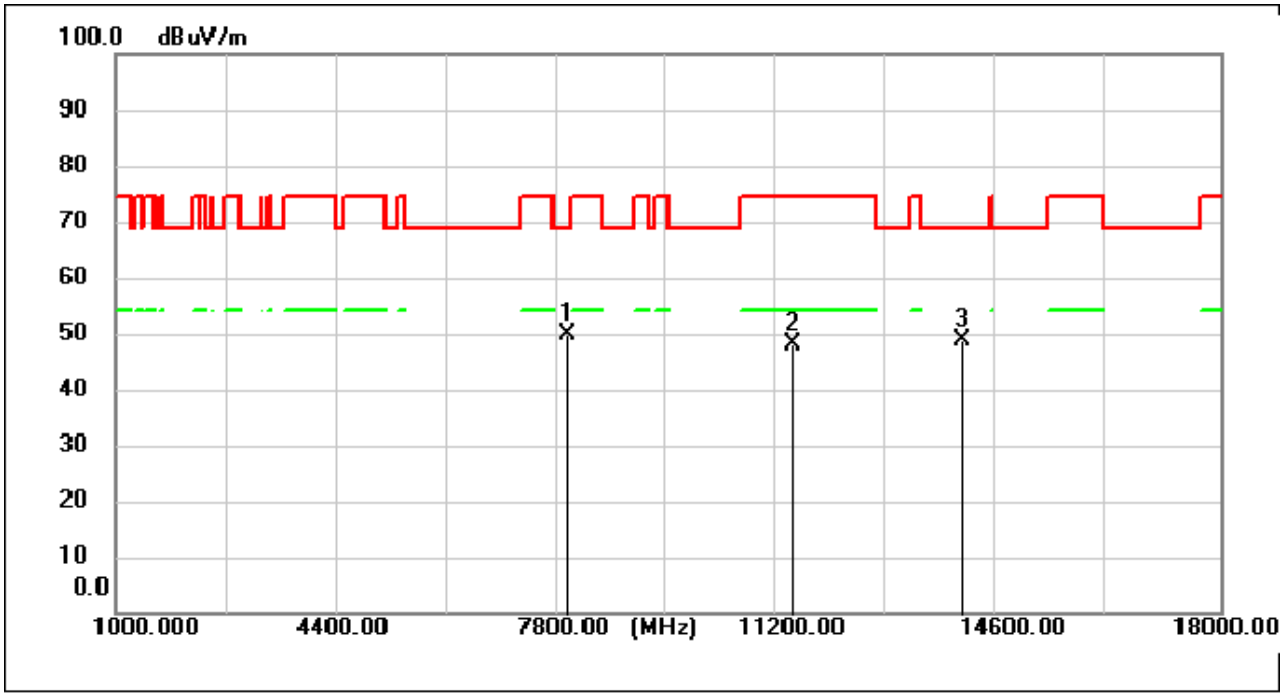
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9138.750	56.82	-7.44	49.38	74.00	-24.62	peak
2	12715.550	54.40	-6.04	48.36	68.30	-19.94	peak
3	15061.550	54.70	-4.66	50.04	68.30	-18.26	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



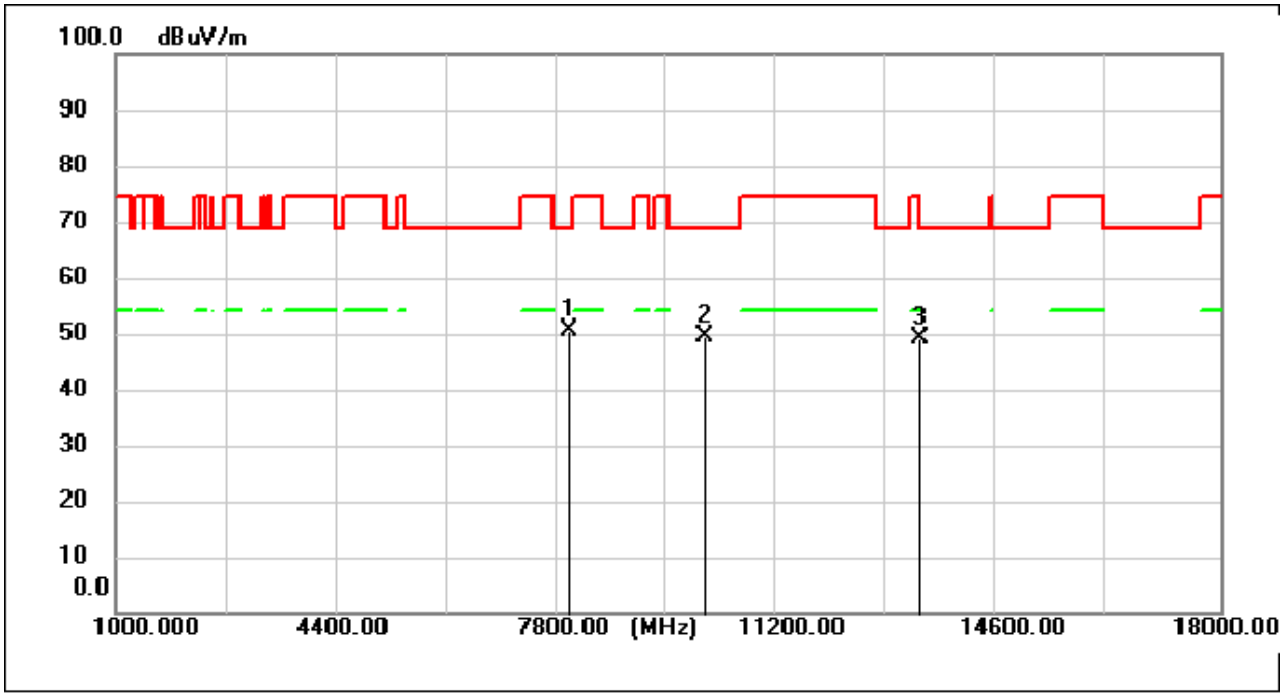
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7950.450	60.03	-9.36	50.67	68.30	-17.63	peak
2	9998.950	55.92	-5.58	50.34	68.30	-17.96	peak
3	12937.400	54.25	-5.92	48.33	68.30	-19.97	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



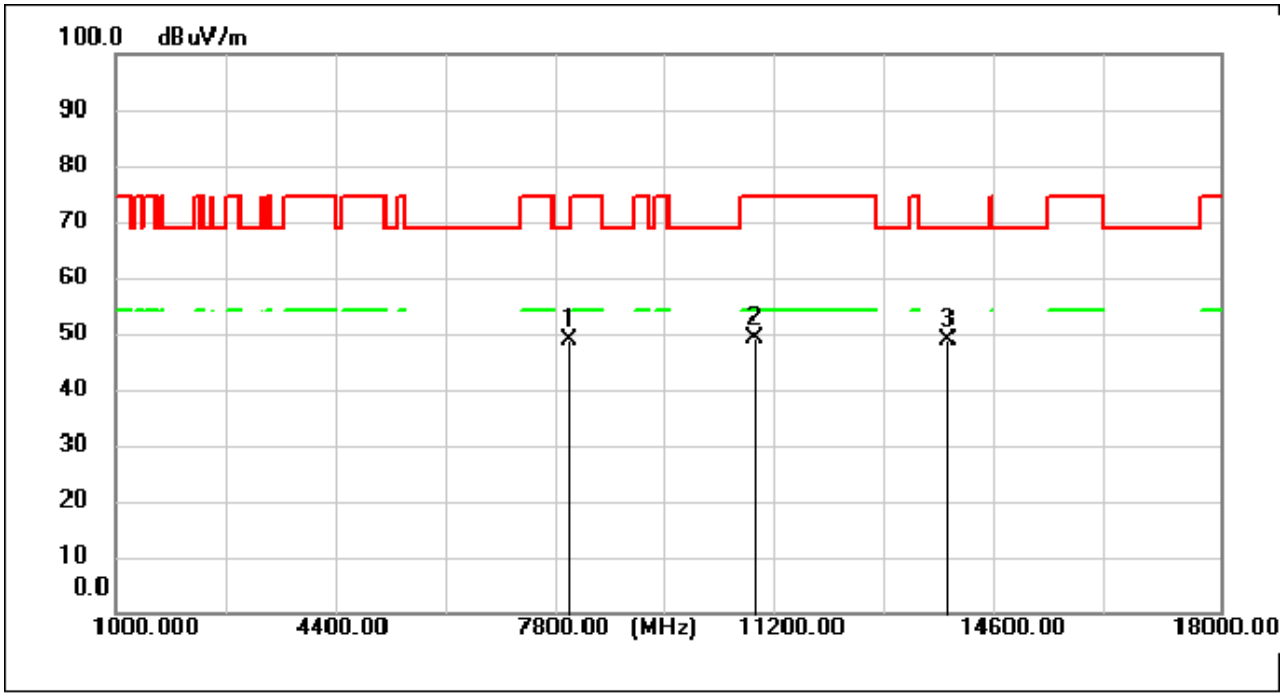
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7949.600	59.02	-9.36	49.66	68.30	-18.64	peak
2	11388.700	54.61	-6.45	48.16	74.00	-25.84	peak
3	14030.500	53.89	-5.28	48.61	68.30	-19.69	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



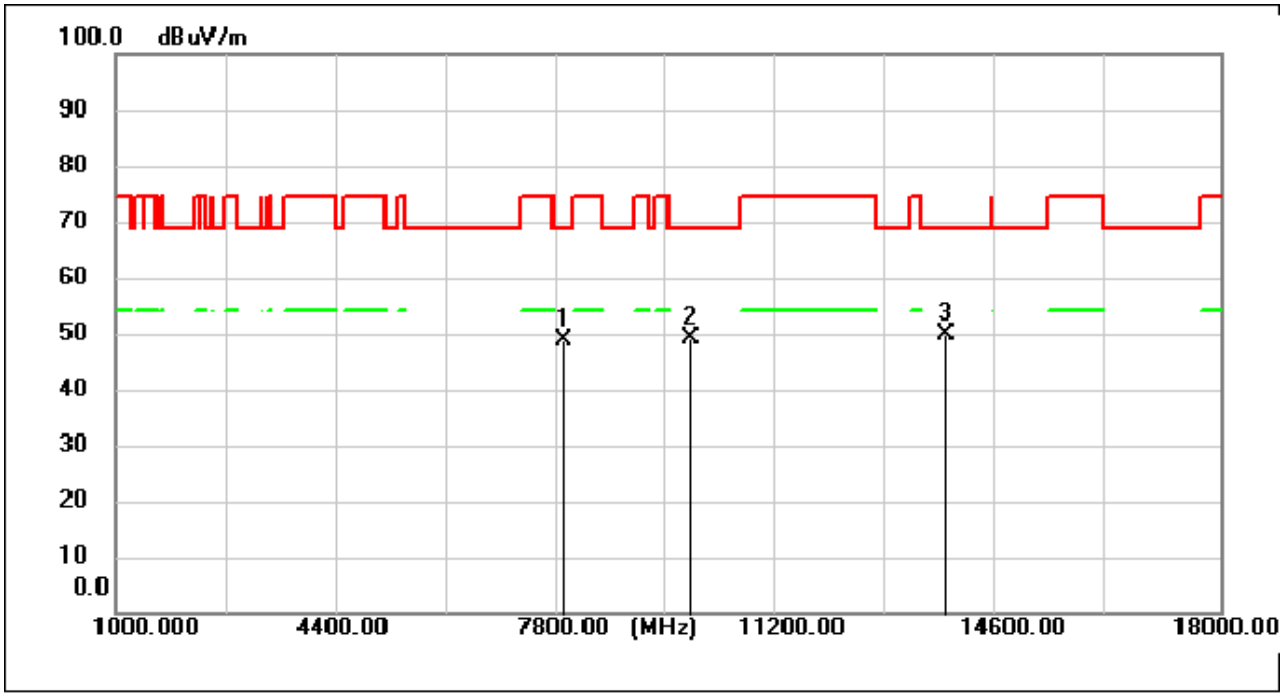
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7980.200	59.69	-9.32	50.37	68.30	-17.93	peak
2	10066.100	55.18	-5.64	49.54	68.30	-18.76	peak
3	13370.050	54.67	-5.61	49.06	74.00	-24.94	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



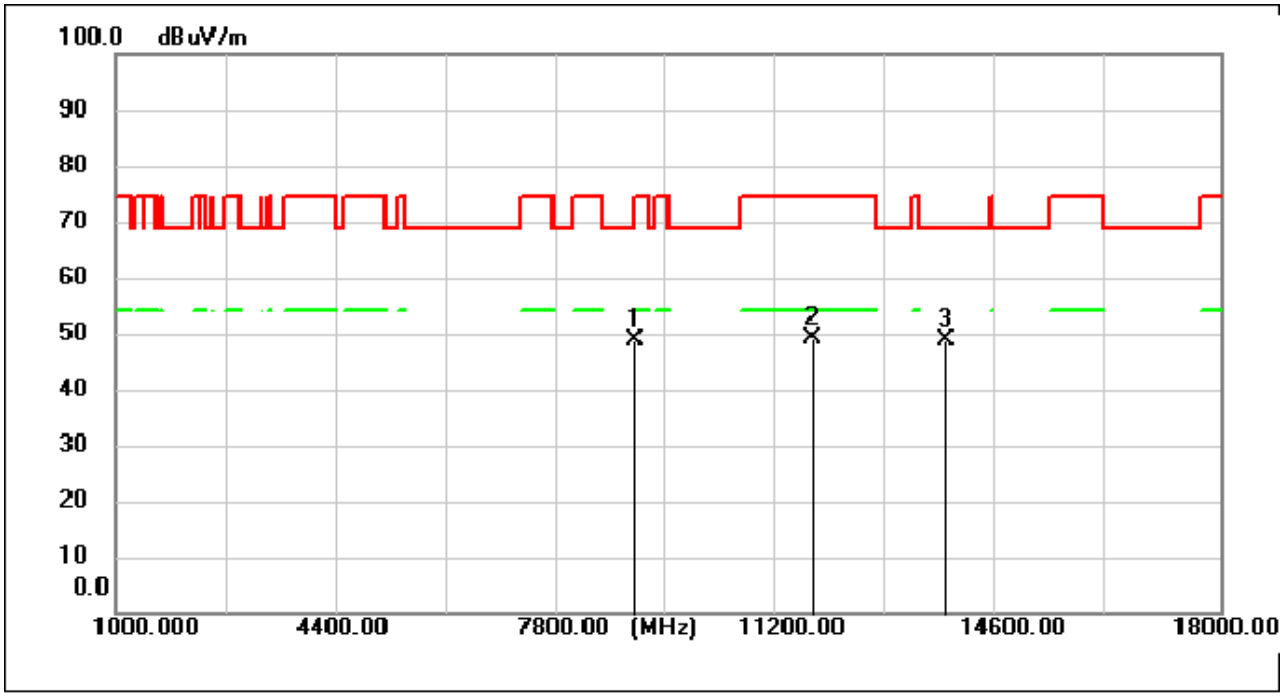
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7980.200	58.00	-9.32	48.68	68.30	-19.62	peak
2	10837.050	55.26	-6.27	48.99	74.00	-25.01	peak
3	13813.750	54.11	-5.38	48.73	68.30	-19.57	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



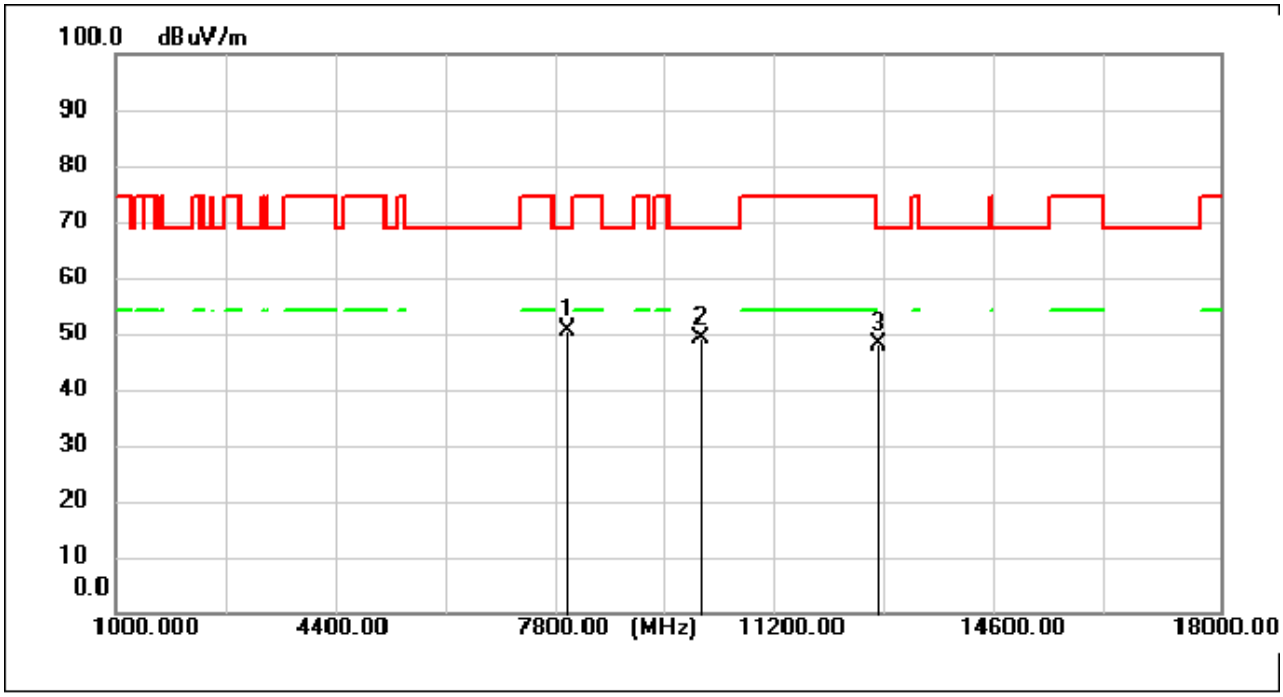
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7890.100	58.20	-9.43	48.77	68.30	-19.53	peak
2	9827.250	54.66	-5.69	48.97	68.30	-19.33	peak
3	13778.900	55.13	-5.40	49.73	68.30	-18.57	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



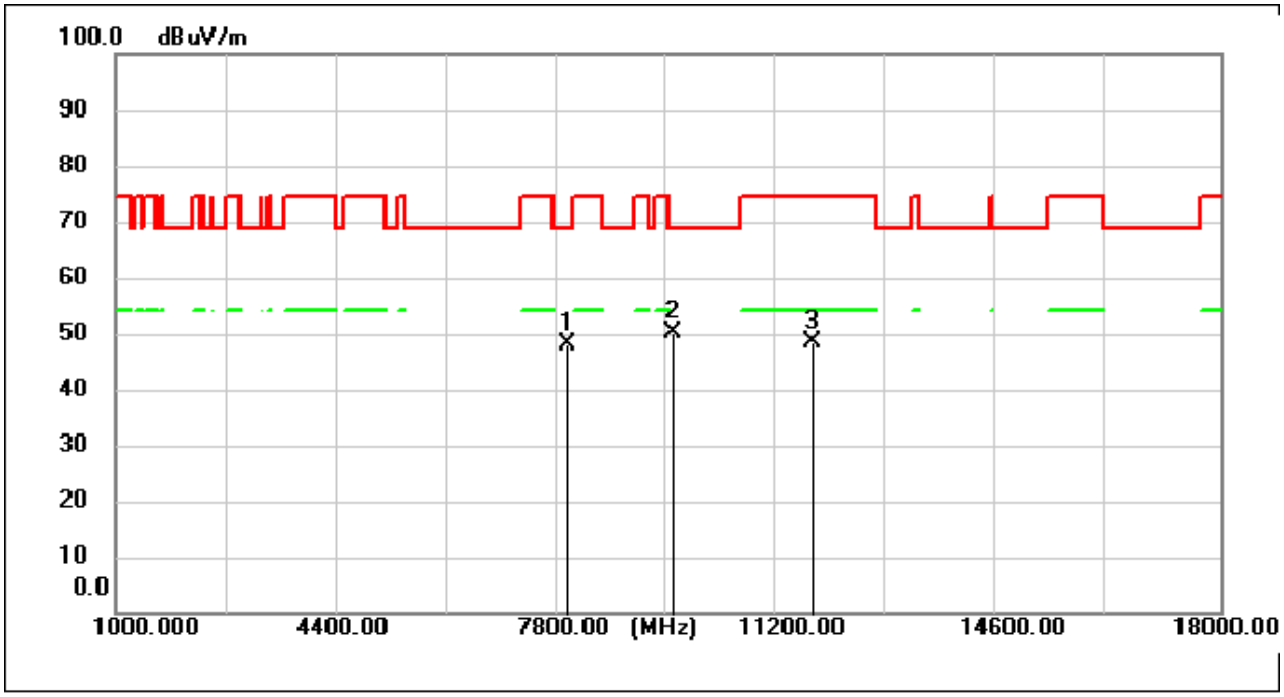
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9005.300	56.70	-7.78	48.92	74.00	-25.08	peak
2	11702.350	55.54	-6.47	49.07	74.00	-24.93	peak
3	13776.350	54.29	-5.40	48.89	68.30	-19.41	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



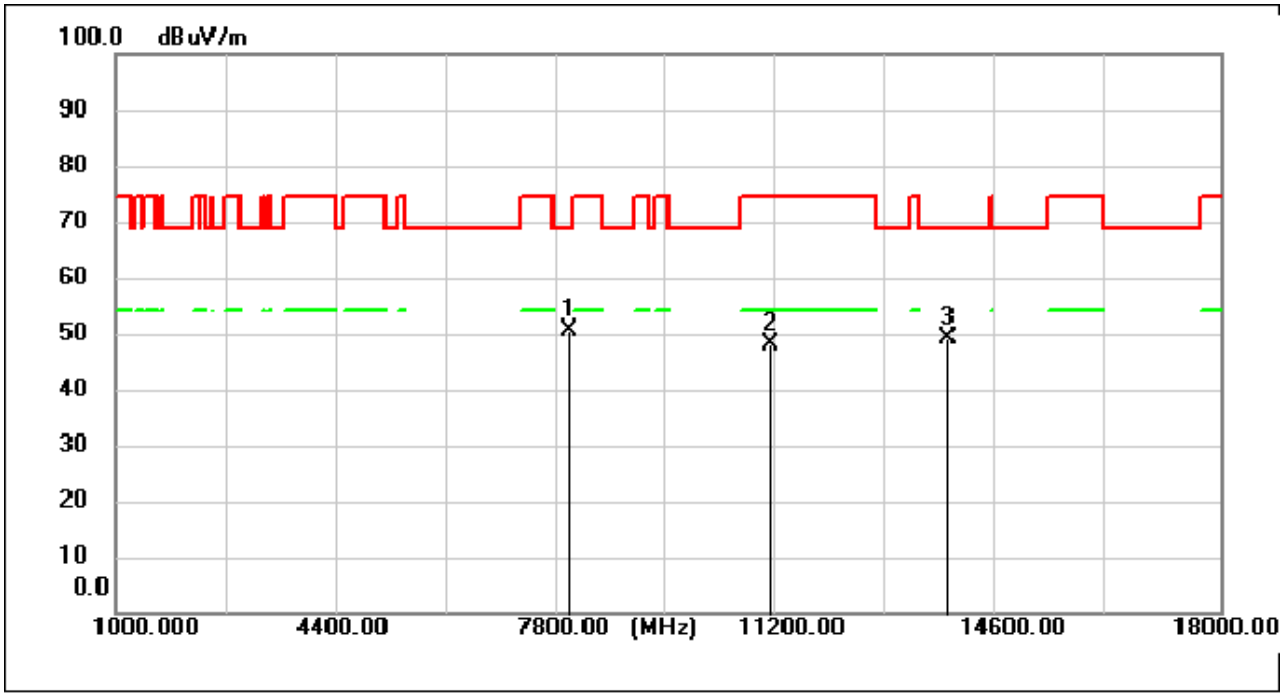
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7950.450	60.03	-9.36	50.67	68.30	-17.63	peak
2	9987.900	54.80	-5.59	49.21	68.30	-19.09	peak
3	12733.400	54.20	-6.03	48.17	68.30	-20.13	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



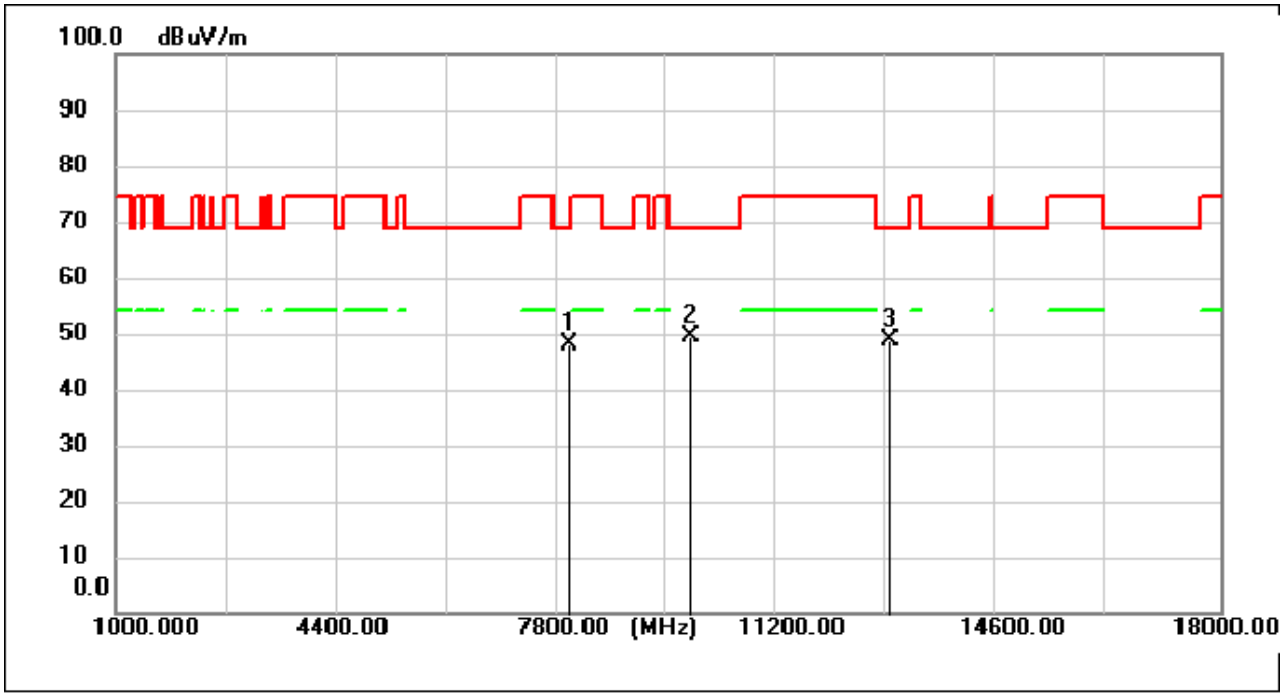
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7949.600	57.36	-9.36	48.00	68.30	-20.30	peak
2	9577.350	56.38	-6.33	50.05	68.30	-18.25	peak
3	11718.500	54.81	-6.47	48.34	74.00	-25.66	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



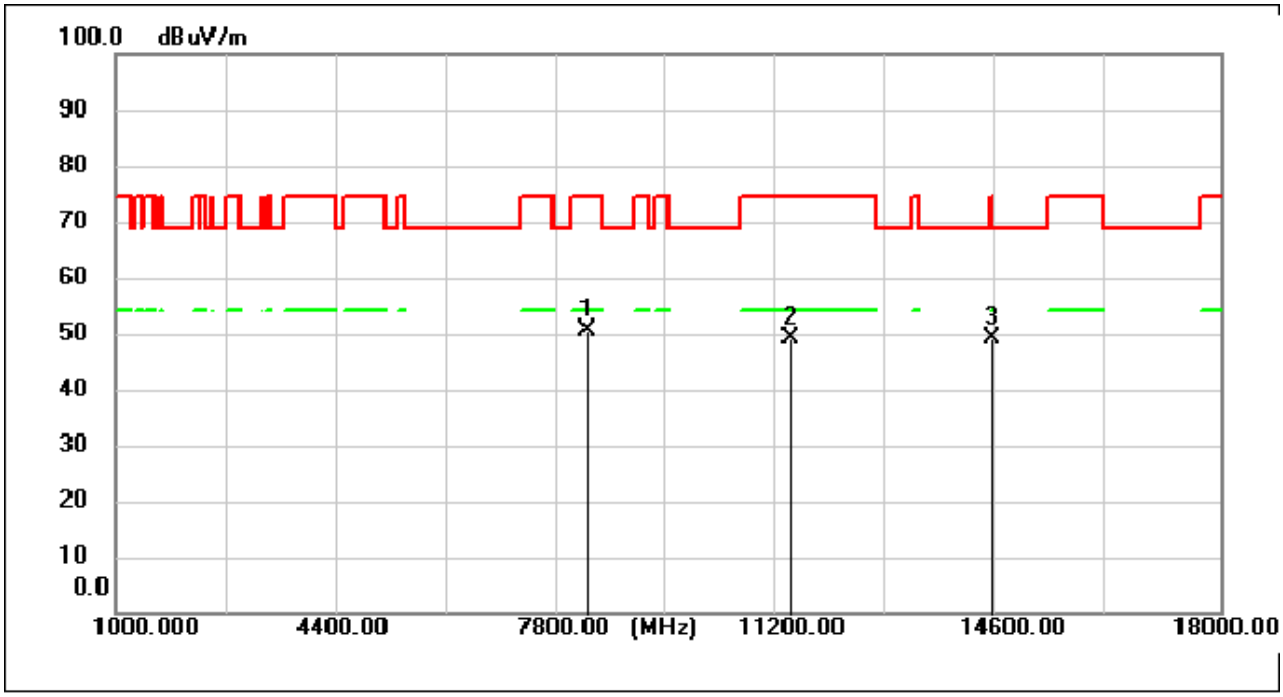
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7980.200	59.95	-9.32	50.63	68.30	-17.67	peak
2	11080.150	54.56	-6.43	48.13	74.00	-25.87	peak
3	13810.350	54.35	-5.38	48.97	68.30	-19.33	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



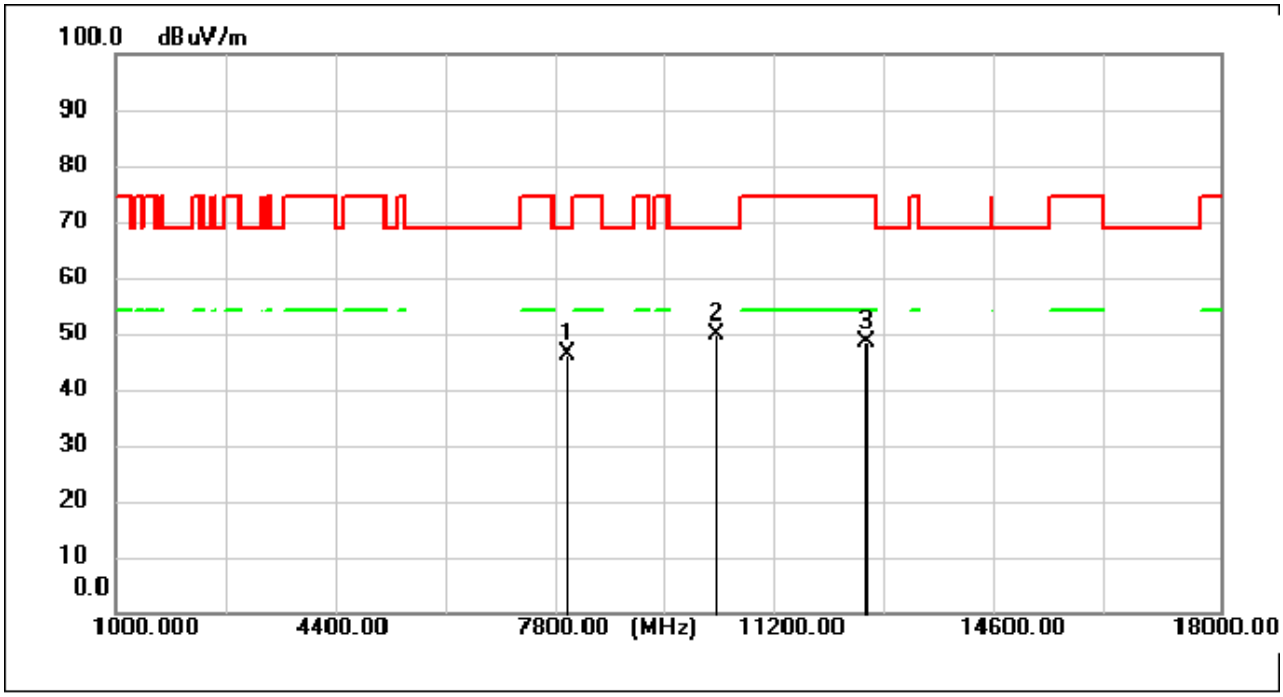
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7980.200	57.40	-9.32	48.08	68.30	-20.22	peak
2	9836.600	55.04	-5.67	49.37	68.30	-18.93	peak
3	12916.150	54.78	-5.94	48.84	68.30	-19.46	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



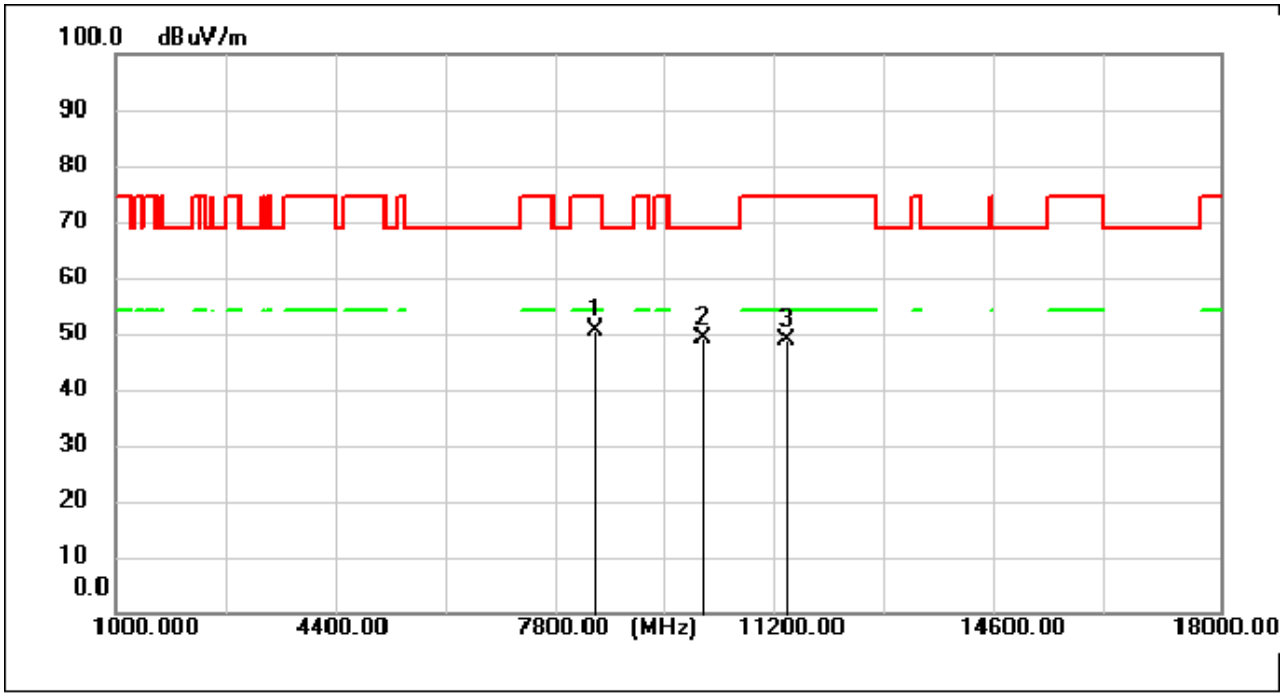
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8250.500	59.37	-8.91	50.46	74.00	-23.54	peak
2	11385.300	55.50	-6.45	49.05	74.00	-24.95	peak
3	14471.650	54.43	-5.23	49.20	74.00	-24.80	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



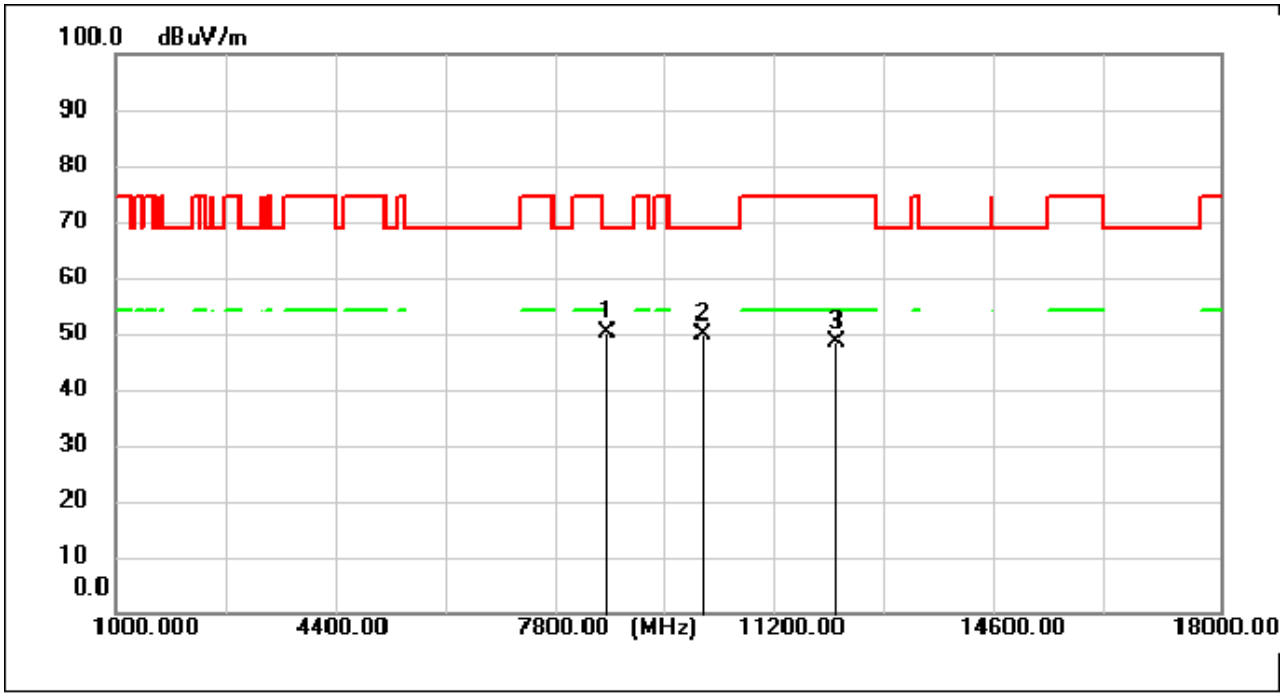
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7933.450	55.69	-9.38	46.31	68.30	-21.99	peak
2	10236.100	55.45	-5.78	49.67	68.30	-18.63	peak
3	12540.450	54.52	-6.13	48.39	74.00	-25.61	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



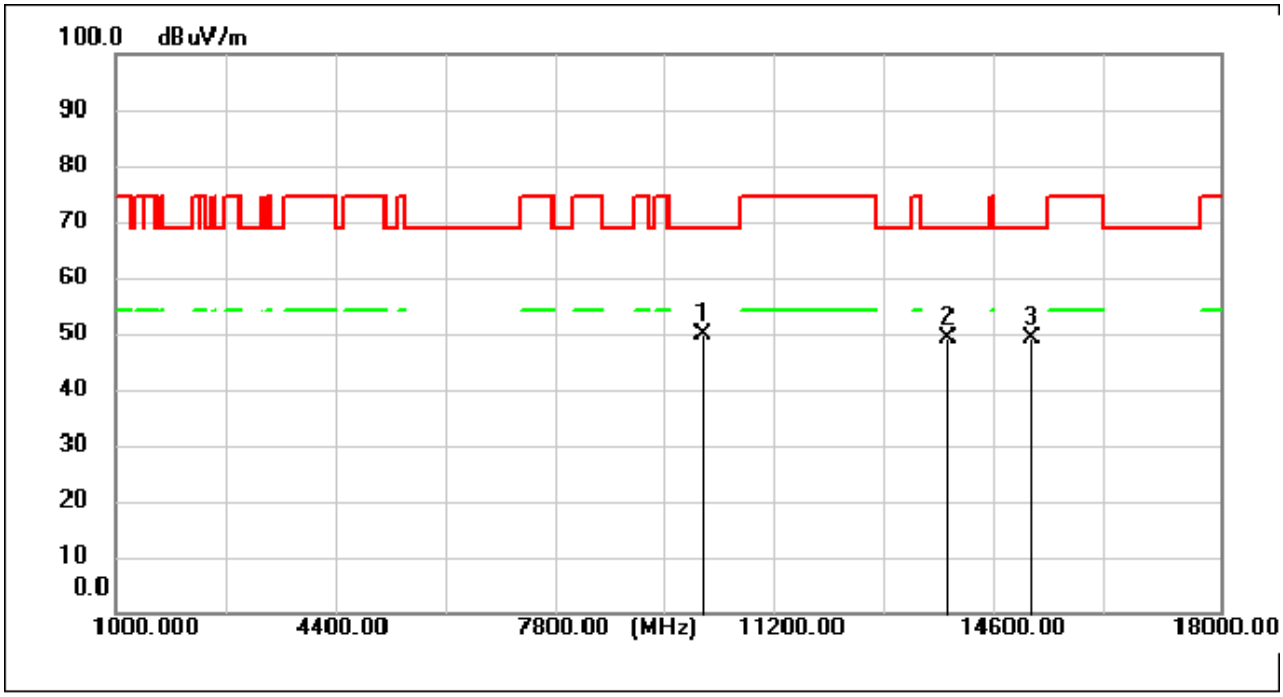
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8370.350	59.11	-8.74	50.37	74.00	-23.63	peak
2	10037.200	54.79	-5.61	49.18	68.30	-19.12	peak
3	11321.550	55.06	-6.44	48.62	74.00	-25.38	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



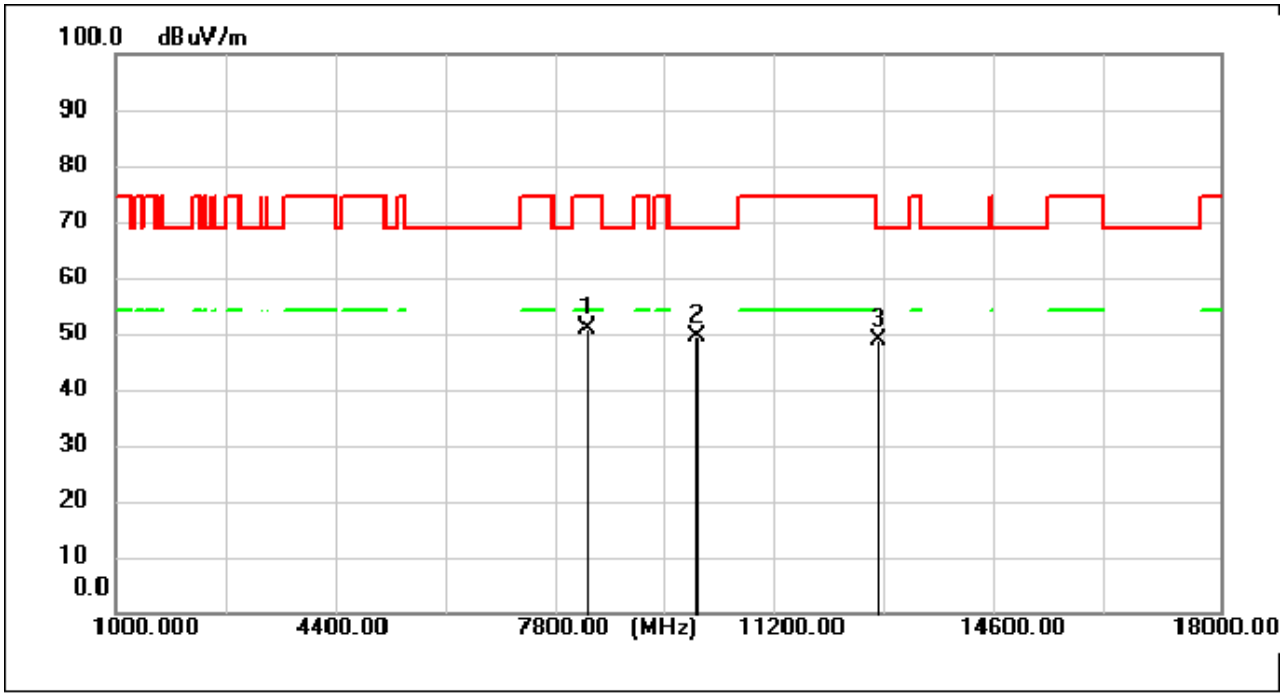
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8550.550	58.65	-8.48	50.17	68.30	-18.13	peak
2	10023.600	55.32	-5.60	49.72	68.30	-18.58	peak
3	12074.650	54.71	-6.38	48.33	74.00	-25.67	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



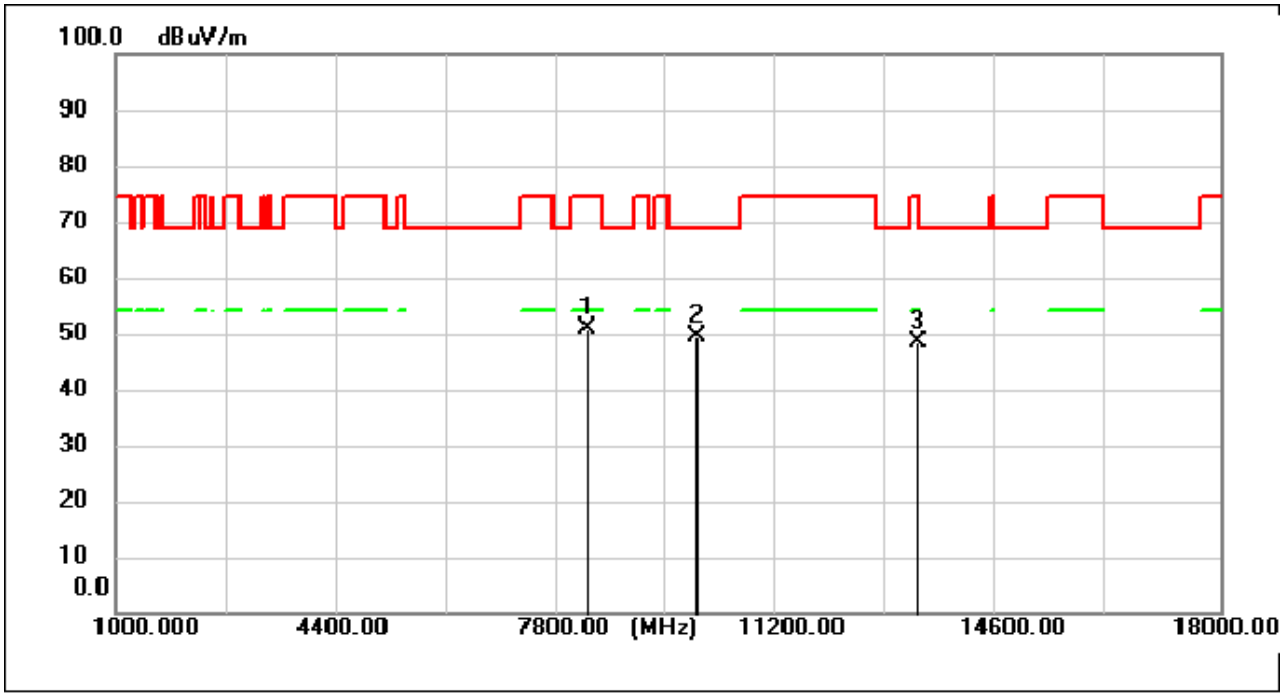
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10024.450	55.52	-5.60	49.92	68.30	-18.38	peak
2	13789.100	54.36	-5.40	48.96	68.30	-19.34	peak
3	15099.800	53.69	-4.59	49.10	68.30	-19.20	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



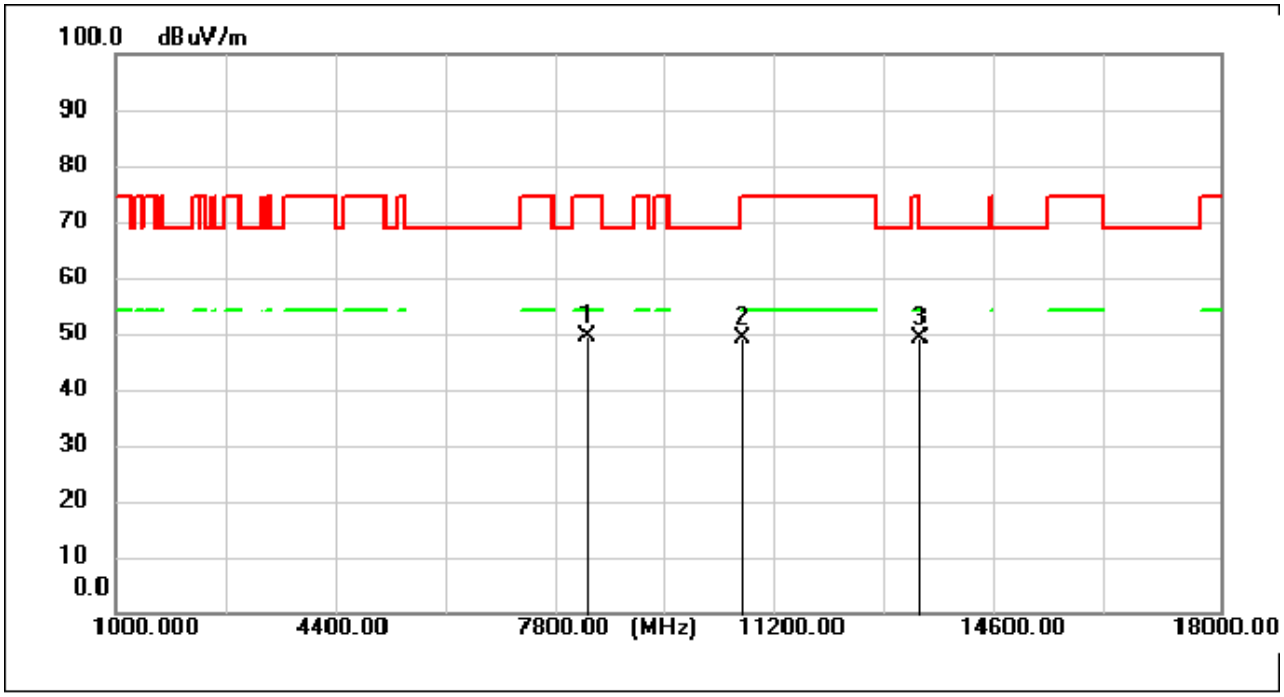
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8250.500	59.85	-8.91	50.94	74.00	-23.06	peak
2	9936.900	54.96	-5.60	49.36	68.30	-18.94	peak
3	12718.950	54.71	-6.04	48.67	68.30	-19.63	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



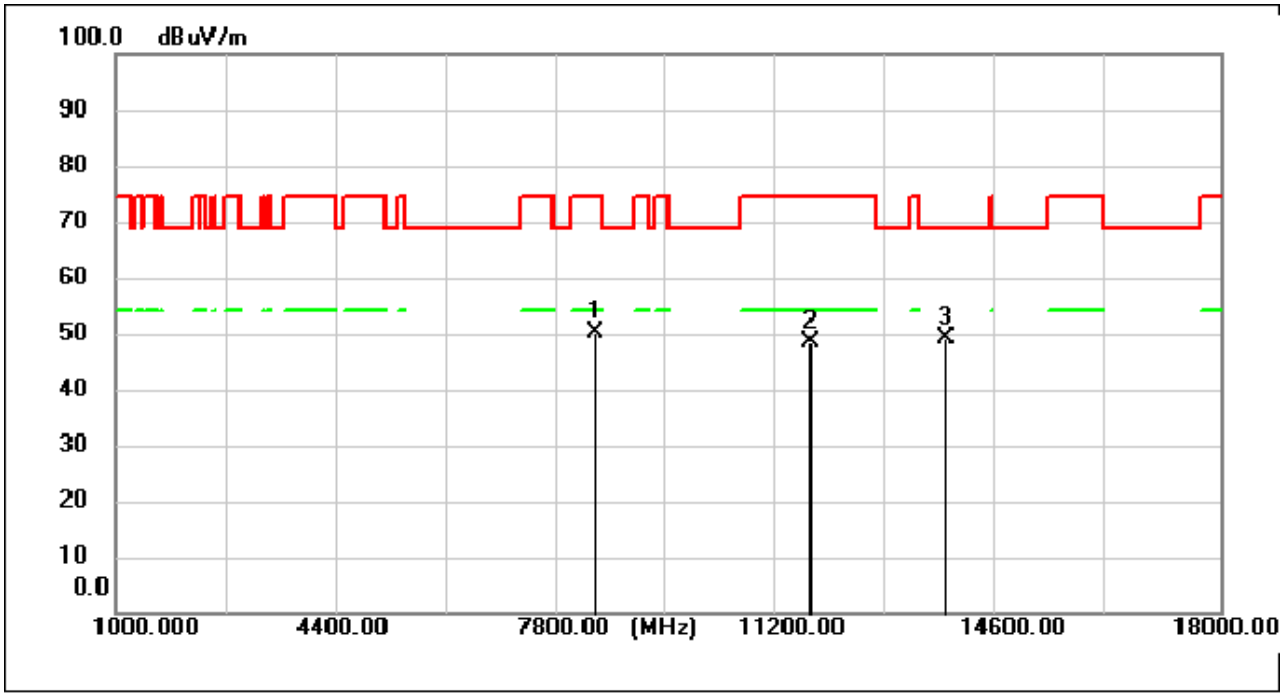
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8250.500	59.63	-8.91	50.72	74.00	-23.28	peak
2	9948.800	55.14	-5.60	49.54	68.30	-18.76	peak
3	13356.450	53.87	-5.61	48.26	74.00	-25.74	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



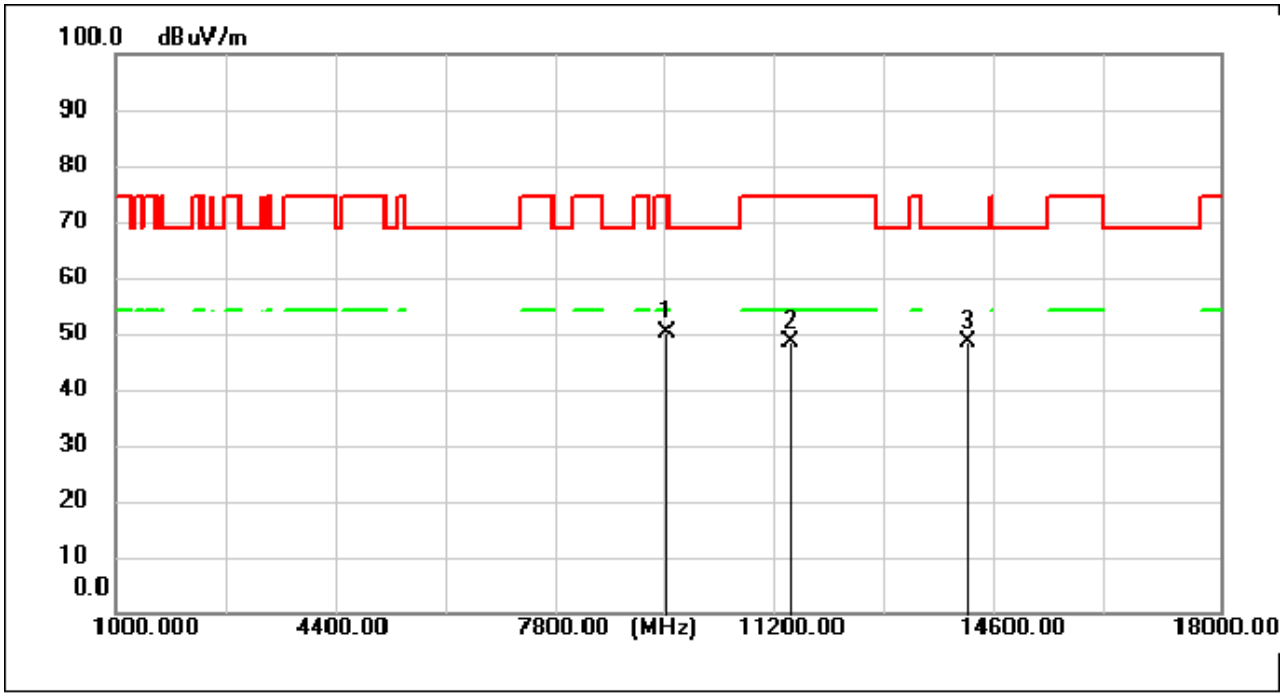
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8249.650	58.24	-8.91	49.33	74.00	-24.67	peak
2	10637.300	55.38	-6.11	49.27	74.00	-24.73	peak
3	13371.750	54.60	-5.61	48.99	74.00	-25.01	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



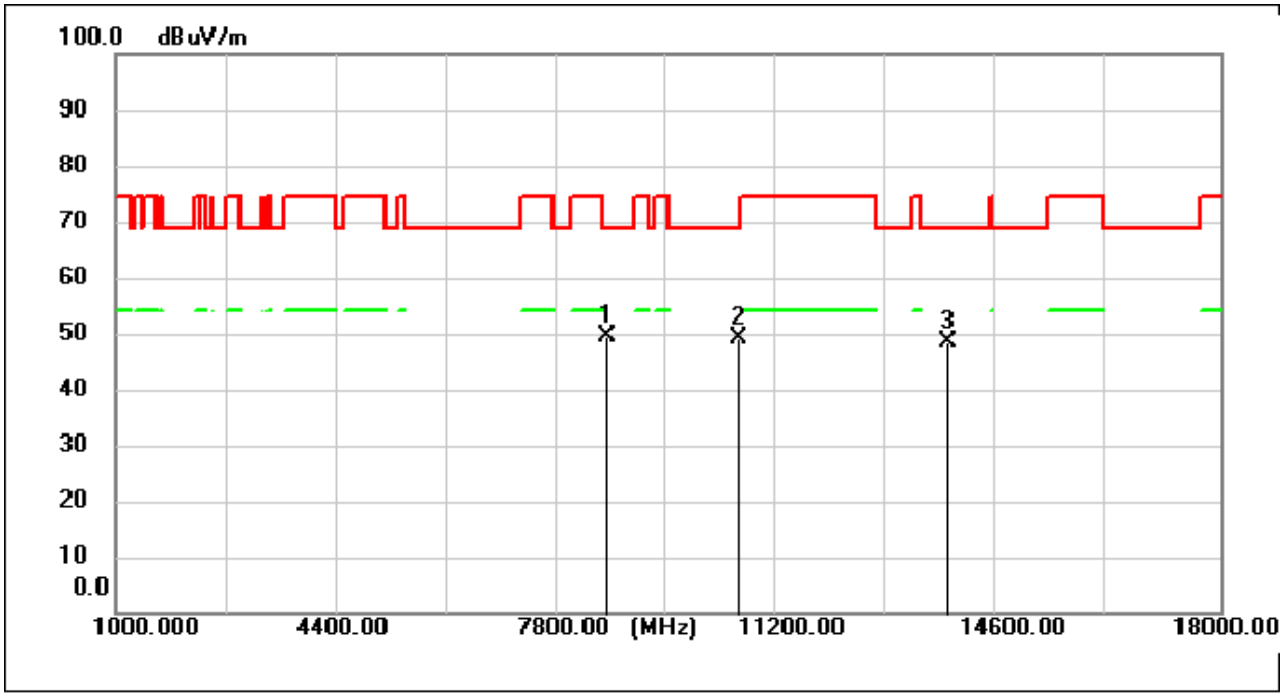
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8370.350	58.94	-8.74	50.20	74.00	-23.80	peak
2	11693.000	54.99	-6.47	48.52	74.00	-25.48	peak
3	13755.950	54.40	-5.41	48.99	68.30	-19.31	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



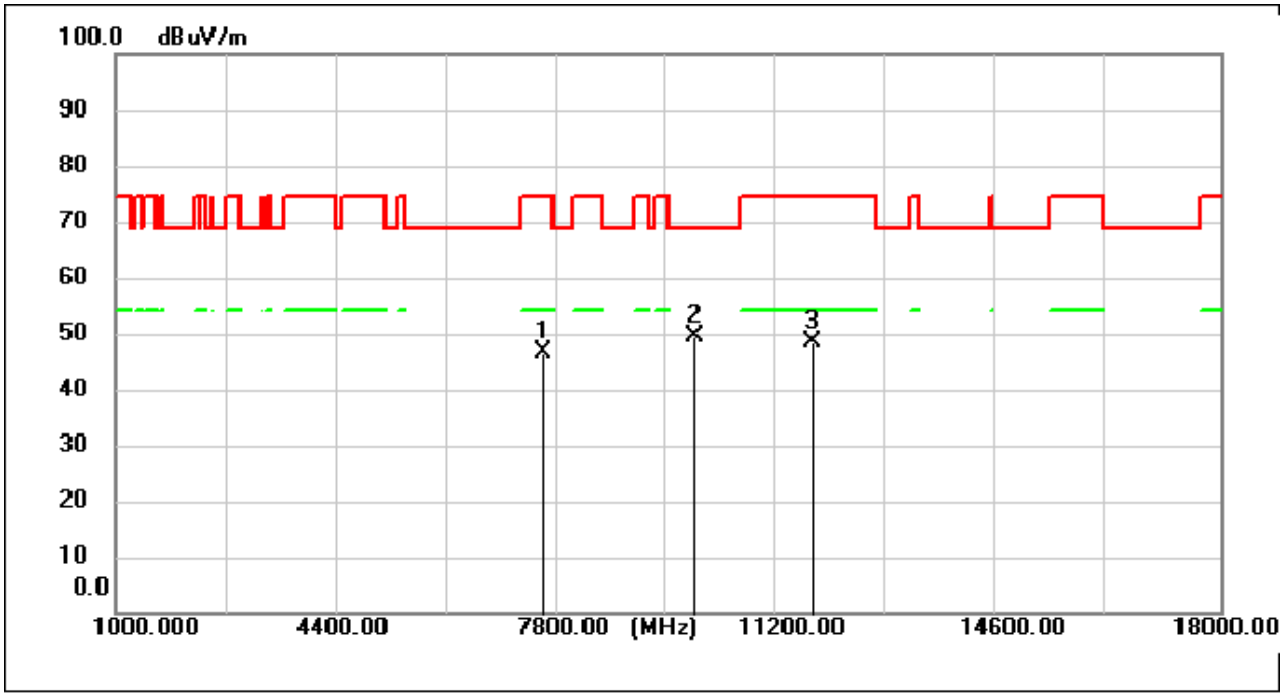
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9478.750	56.92	-6.58	50.34	74.00	-23.66	peak
2	11381.900	54.71	-6.45	48.26	74.00	-25.74	peak
3	14094.250	53.85	-5.28	48.57	68.30	-19.73	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



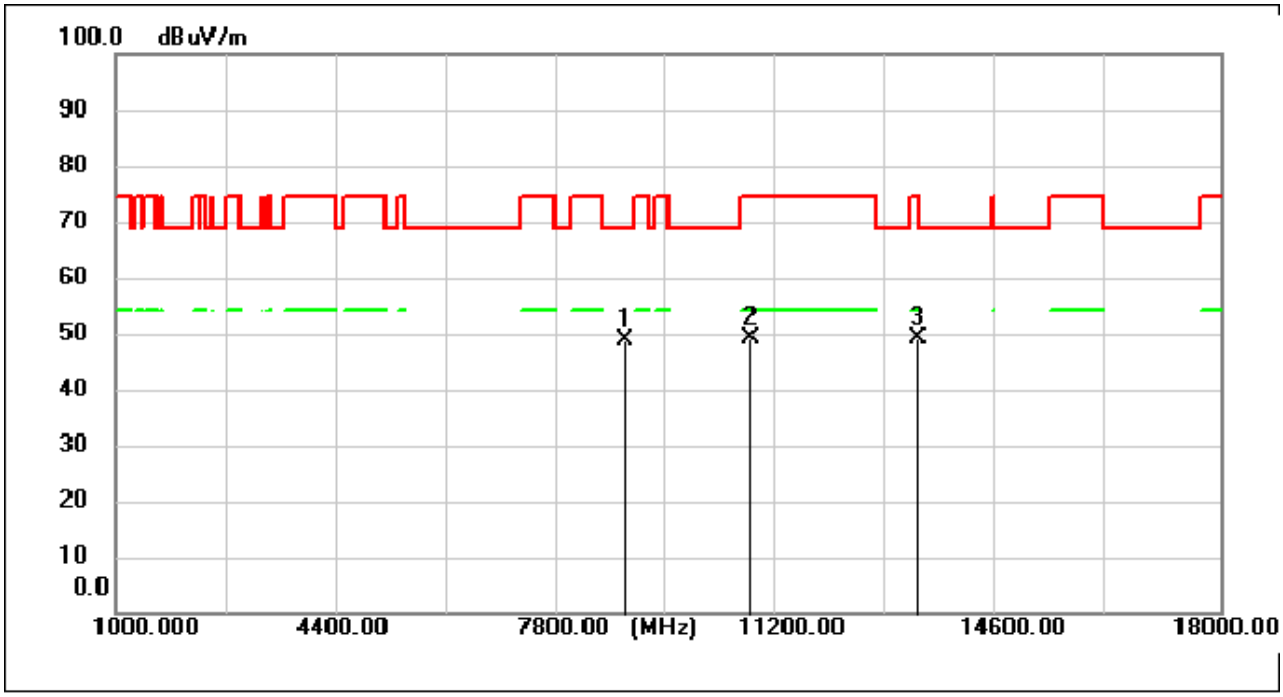
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8550.550	58.06	-8.48	49.58	68.30	-18.72	peak
2	10588.000	55.04	-6.07	48.97	68.30	-19.33	peak
3	13809.500	53.88	-5.38	48.50	68.30	-19.80	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



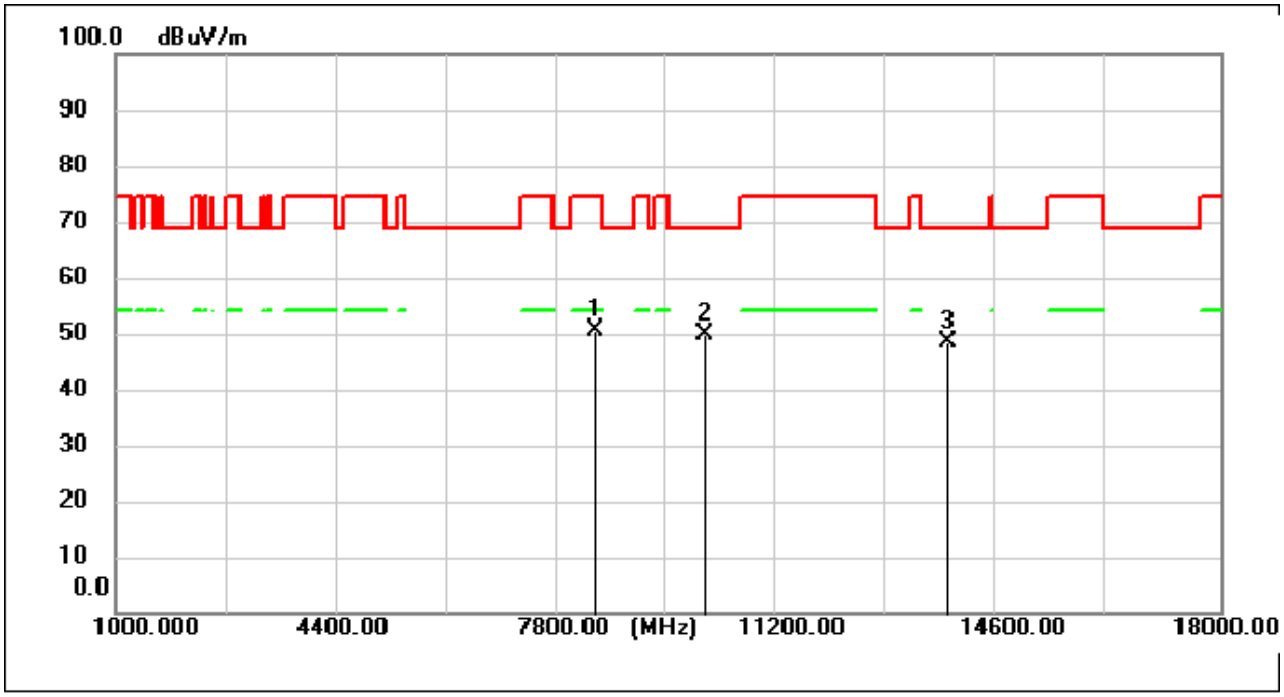
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7575.600	56.31	-9.78	46.53	74.00	-27.47	peak
2	9913.100	55.10	-5.62	49.48	68.30	-18.82	peak
3	11700.650	54.70	-6.47	48.23	74.00	-25.77	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



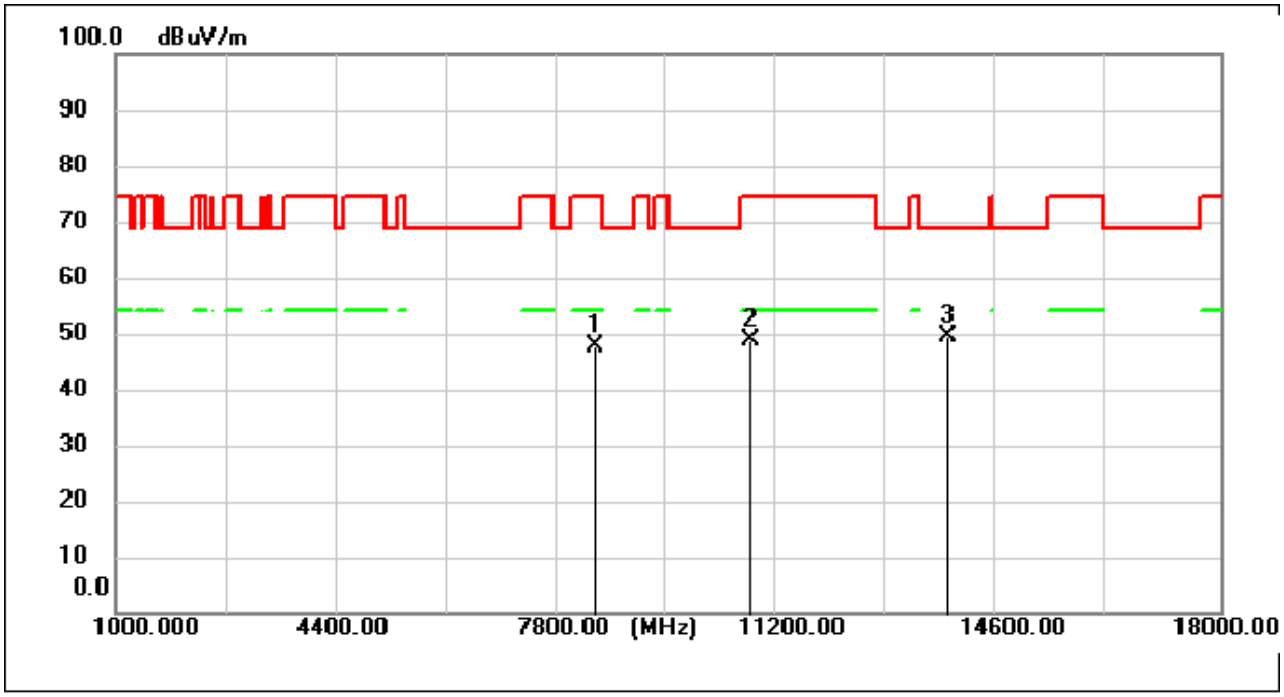
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8838.700	56.72	-8.06	48.66	68.30	-19.64	peak
2	10763.950	55.46	-6.21	49.25	74.00	-24.75	peak
3	13354.750	54.86	-5.62	49.24	74.00	-24.76	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



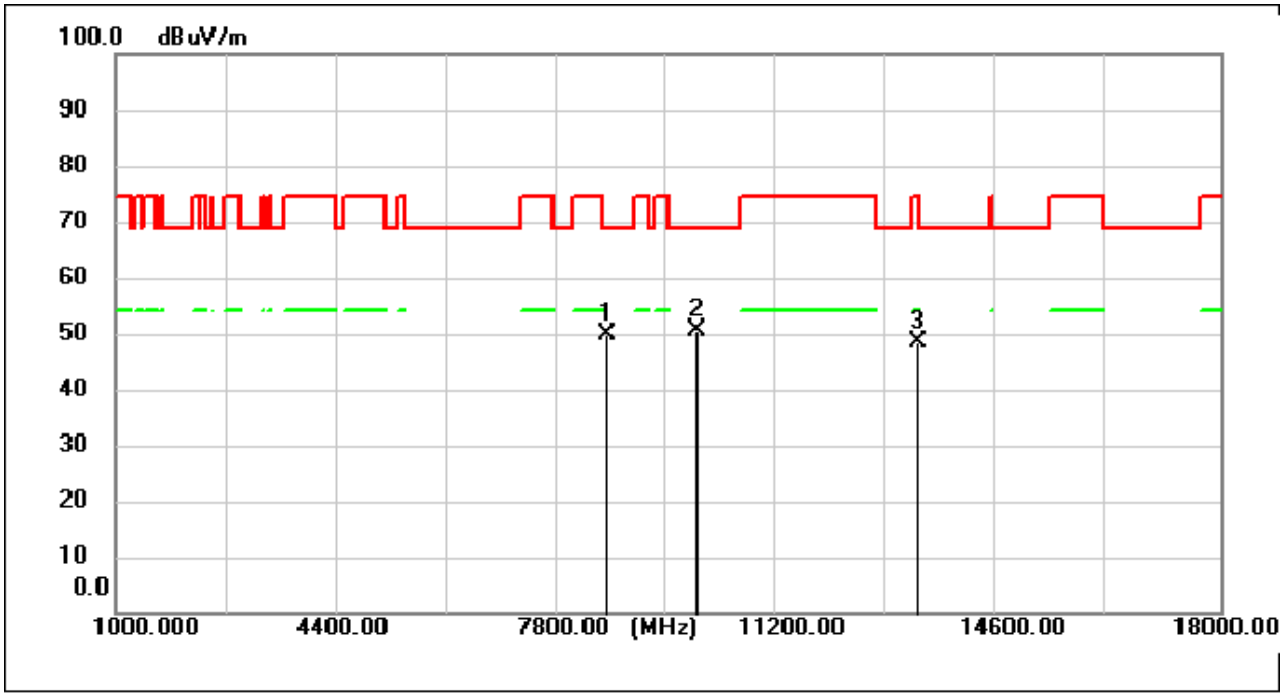
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8370.350	59.28	-8.74	50.54	74.00	-23.46	peak
2	10055.900	55.31	-5.63	49.68	68.30	-18.62	peak
3	13787.400	53.95	-5.40	48.55	68.30	-19.75	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



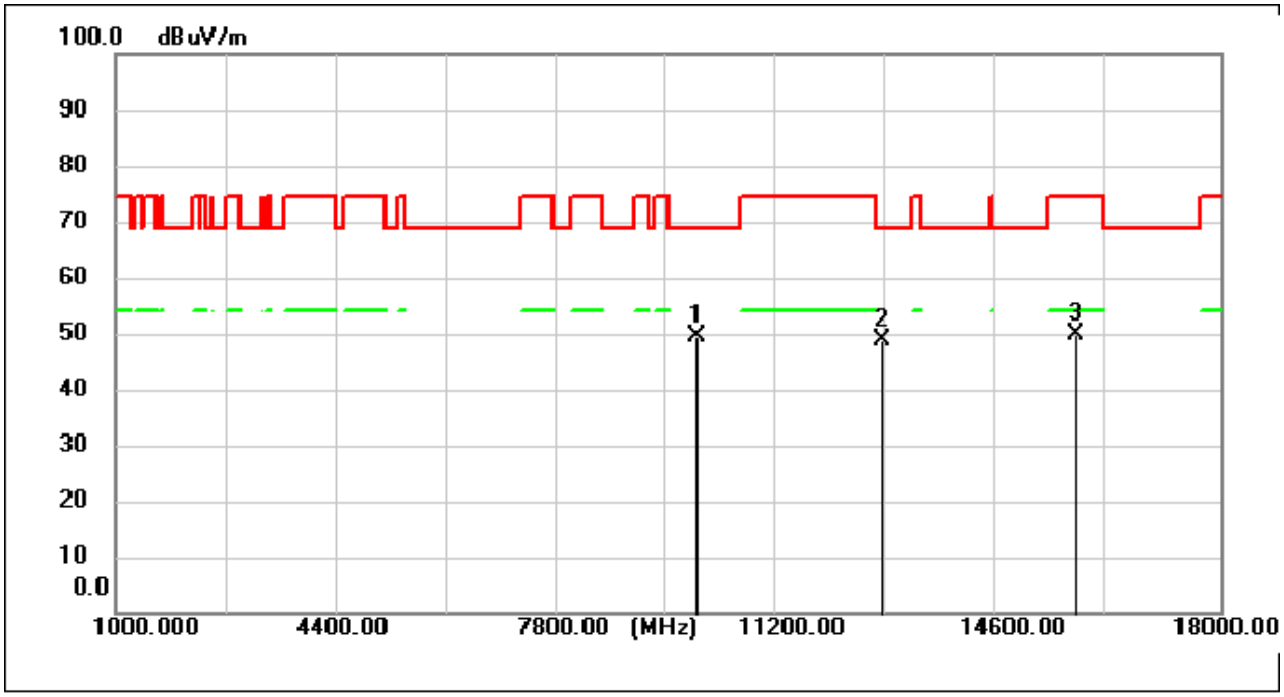
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8370.350	56.36	-8.74	47.62	74.00	-26.38	peak
2	10775.000	55.03	-6.22	48.81	74.00	-25.19	peak
3	13806.100	54.76	-5.38	49.38	68.30	-18.92	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



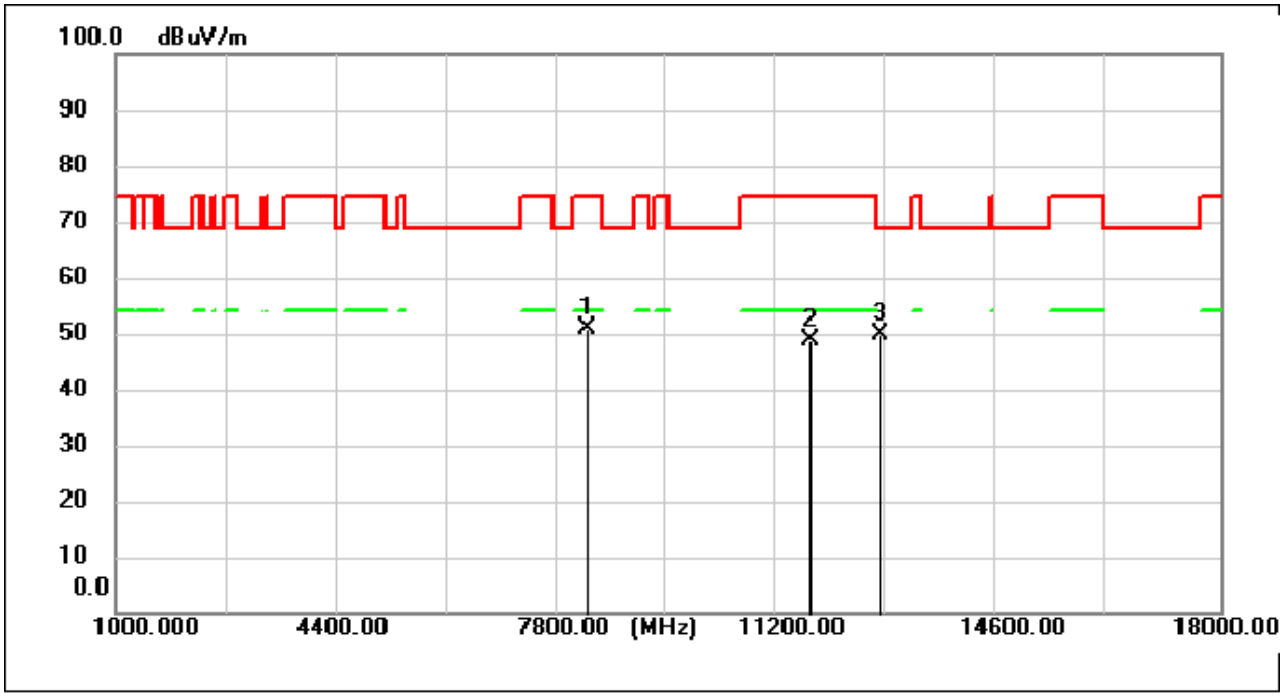
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8550.550	58.15	-8.48	49.67	68.30	-18.63	peak
2	9926.700	56.00	-5.61	50.39	68.30	-17.91	peak
3	13345.400	54.14	-5.62	48.52	74.00	-25.48	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



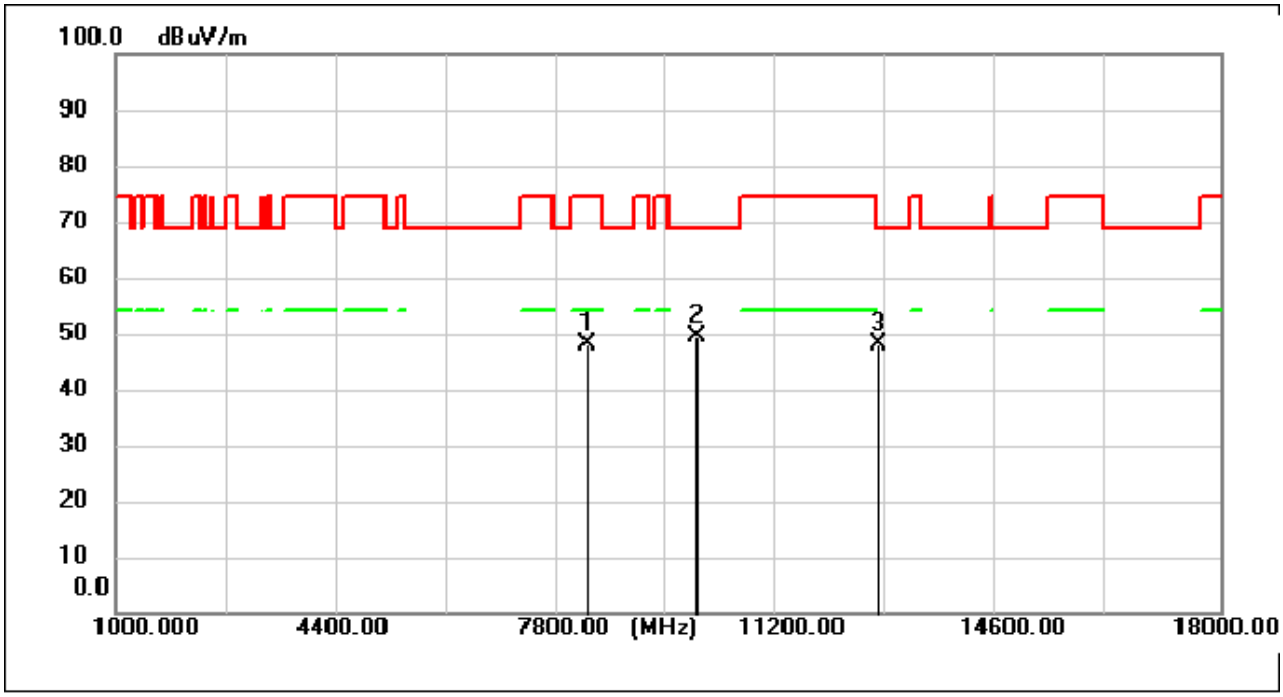
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9952.200	54.95	-5.60	49.35	68.30	-18.95	peak
2	12782.700	54.83	-6.00	48.83	68.30	-19.47	peak
3	15784.050	53.28	-3.45	49.83	74.00	-24.17	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



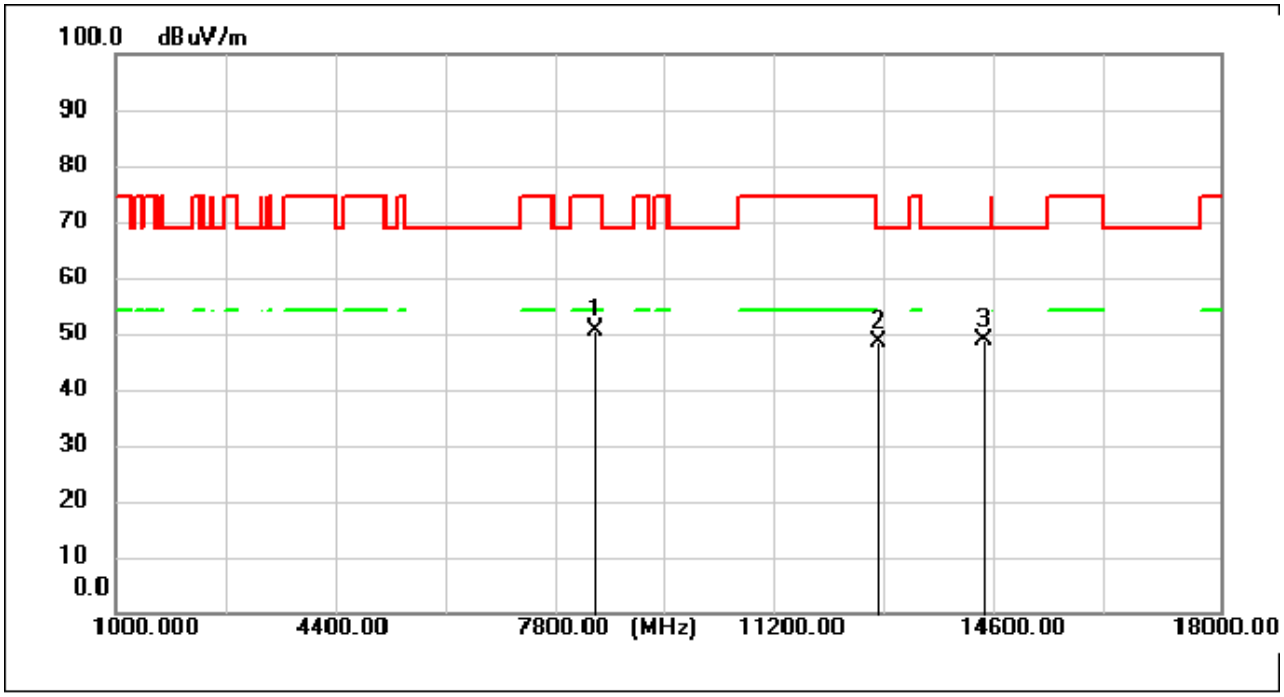
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8249.650	59.74	-8.91	50.83	74.00	-23.17	peak
2	11689.600	55.38	-6.47	48.91	74.00	-25.09	peak
3	12769.100	55.73	-6.01	49.72	68.30	-18.58	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



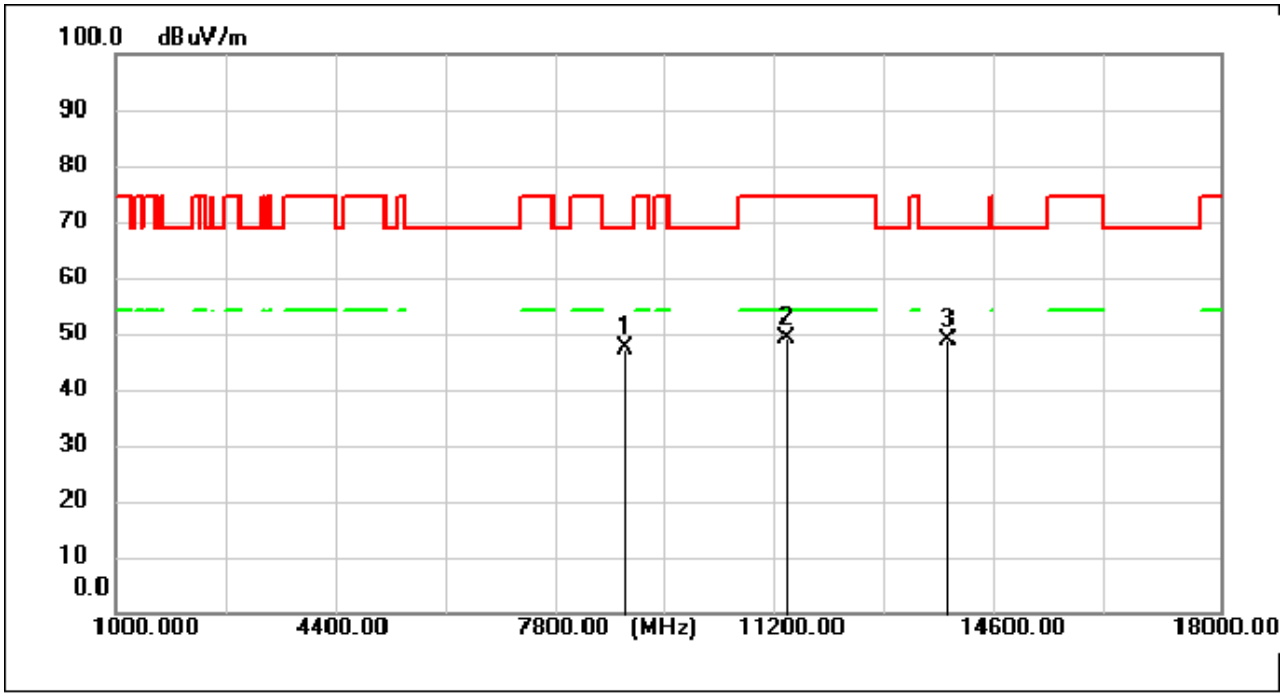
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8249.650	56.85	-8.91	47.94	74.00	-26.06	peak
2	9928.400	55.04	-5.61	49.43	68.30	-18.87	peak
3	12738.500	54.17	-6.03	48.14	68.30	-20.16	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



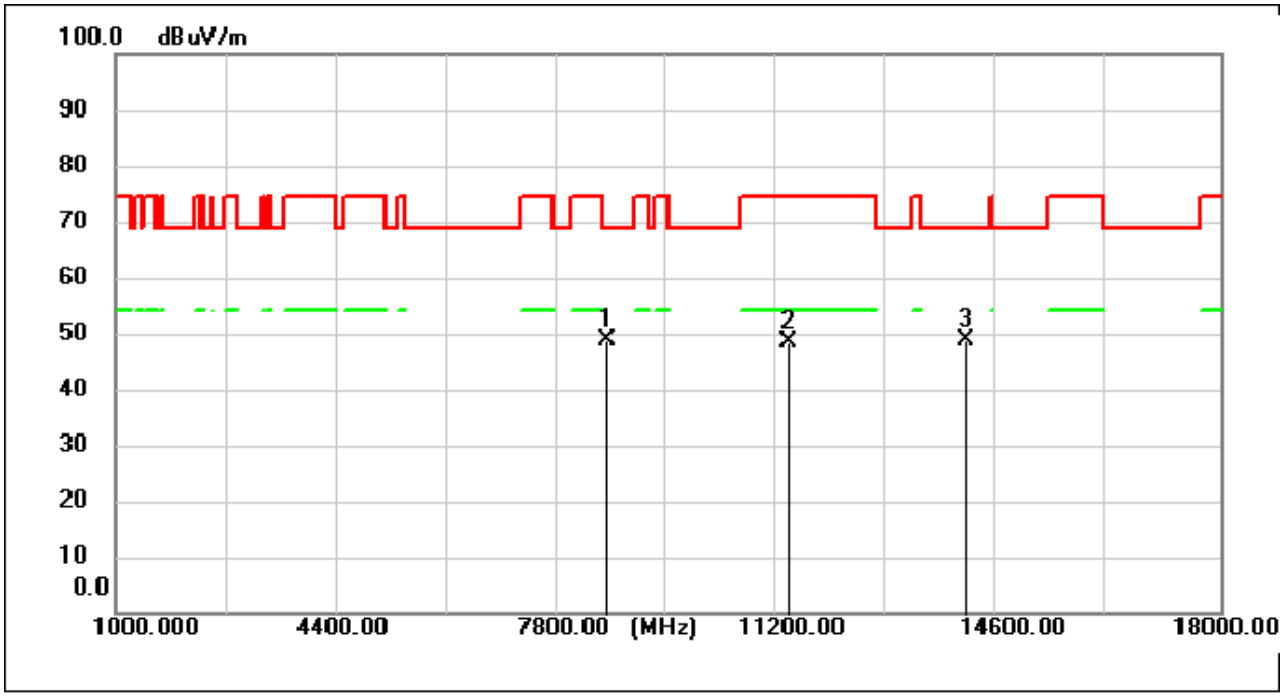
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8370.350	59.12	-8.74	50.38	74.00	-23.62	peak
2	12730.850	54.36	-6.03	48.33	68.30	-19.97	peak
3	14375.600	53.91	-5.27	48.64	68.30	-19.66	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



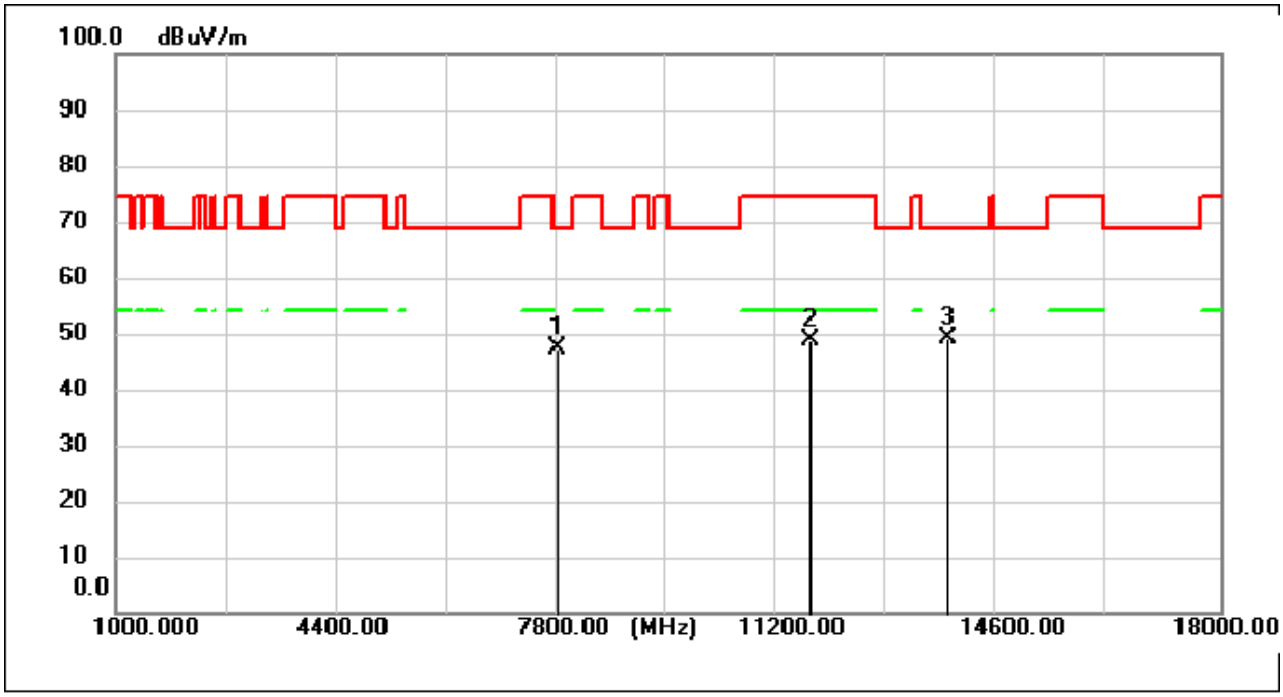
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8839.550	55.21	-8.05	47.16	68.30	-21.14	peak
2	11309.650	55.66	-6.44	49.22	74.00	-24.78	peak
3	13791.650	54.19	-5.39	48.80	68.30	-19.50	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



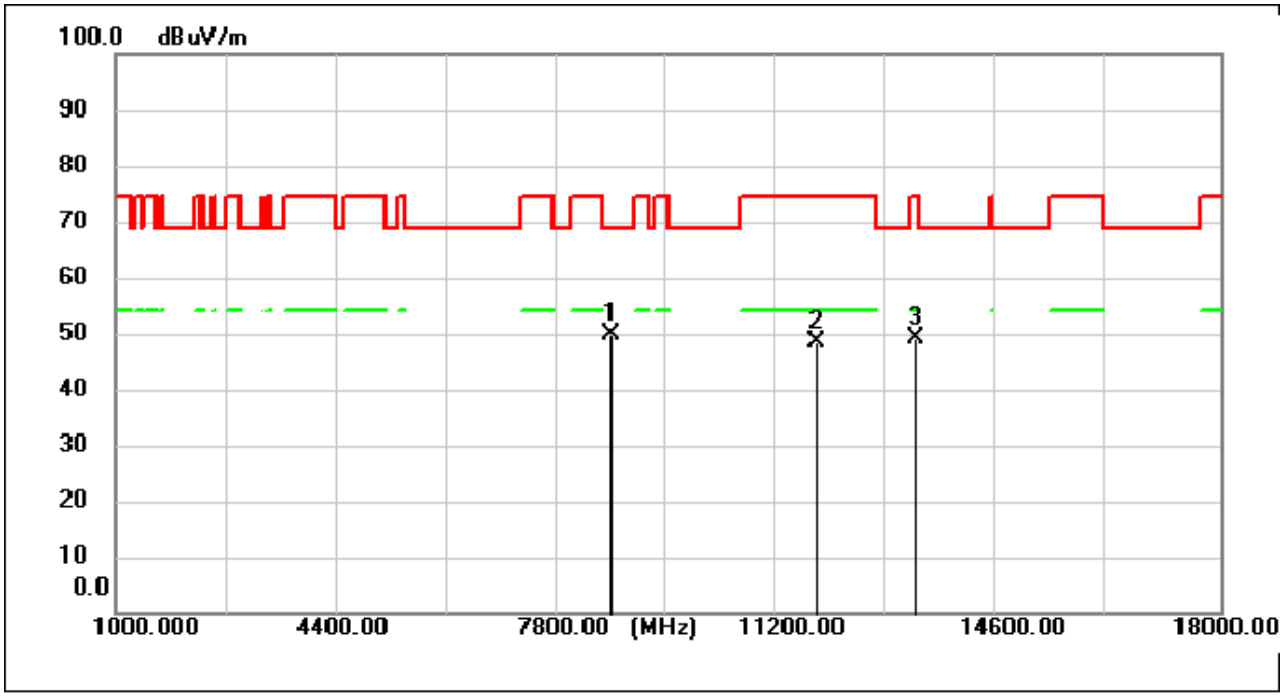
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8550.550	57.23	-8.48	48.75	68.30	-19.55	peak
2	11354.700	54.93	-6.44	48.49	74.00	-25.51	peak
3	14074.700	54.10	-5.29	48.81	68.30	-19.49	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



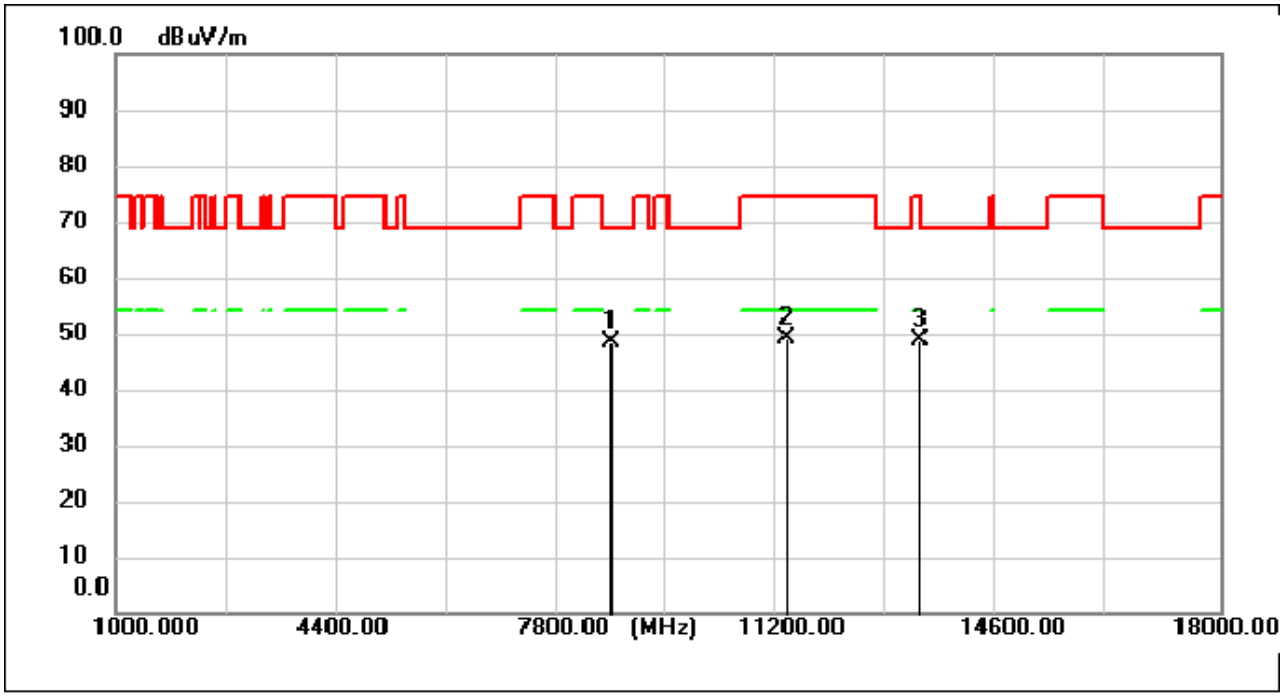
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7789.800	56.83	-9.54	47.29	68.30	-21.01	peak
2	11689.600	55.34	-6.47	48.87	74.00	-25.13	peak
3	13798.450	54.35	-5.39	48.96	68.30	-19.34	peak

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



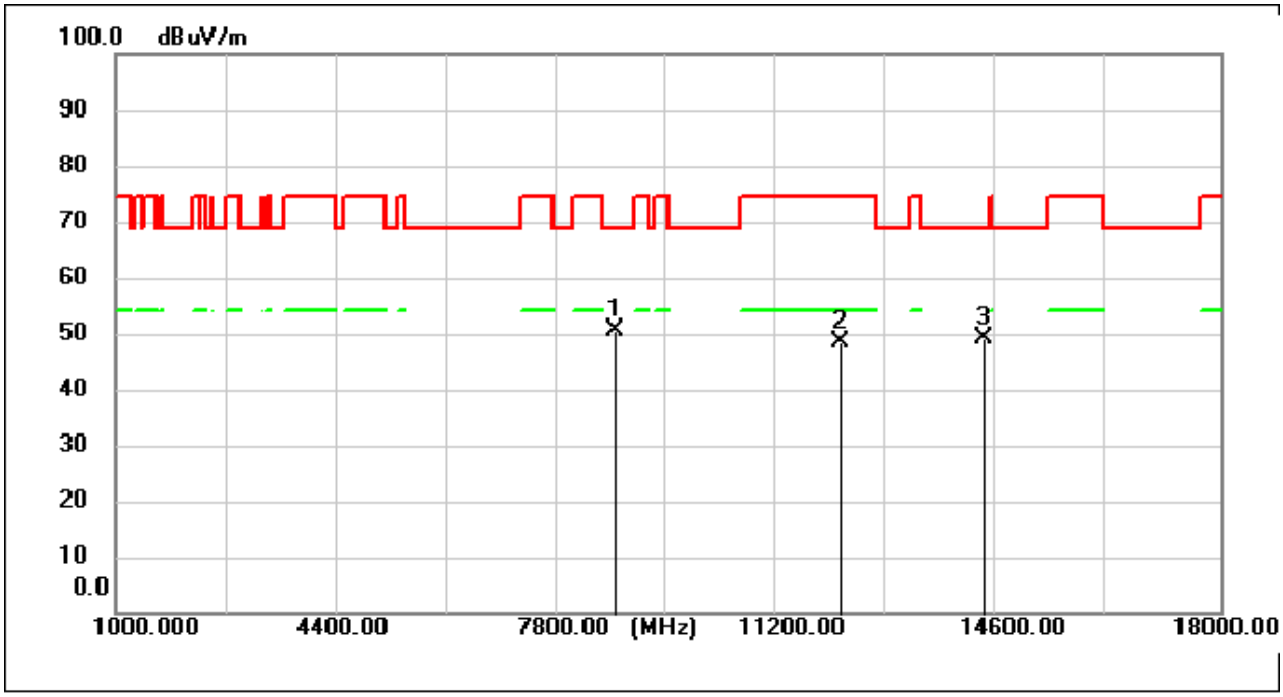
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8617.700	58.32	-8.37	49.95	68.30	-18.35	peak
2	11777.150	54.91	-6.47	48.44	74.00	-25.56	peak
3	13319.900	54.80	-5.64	49.16	74.00	-24.84	peak

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



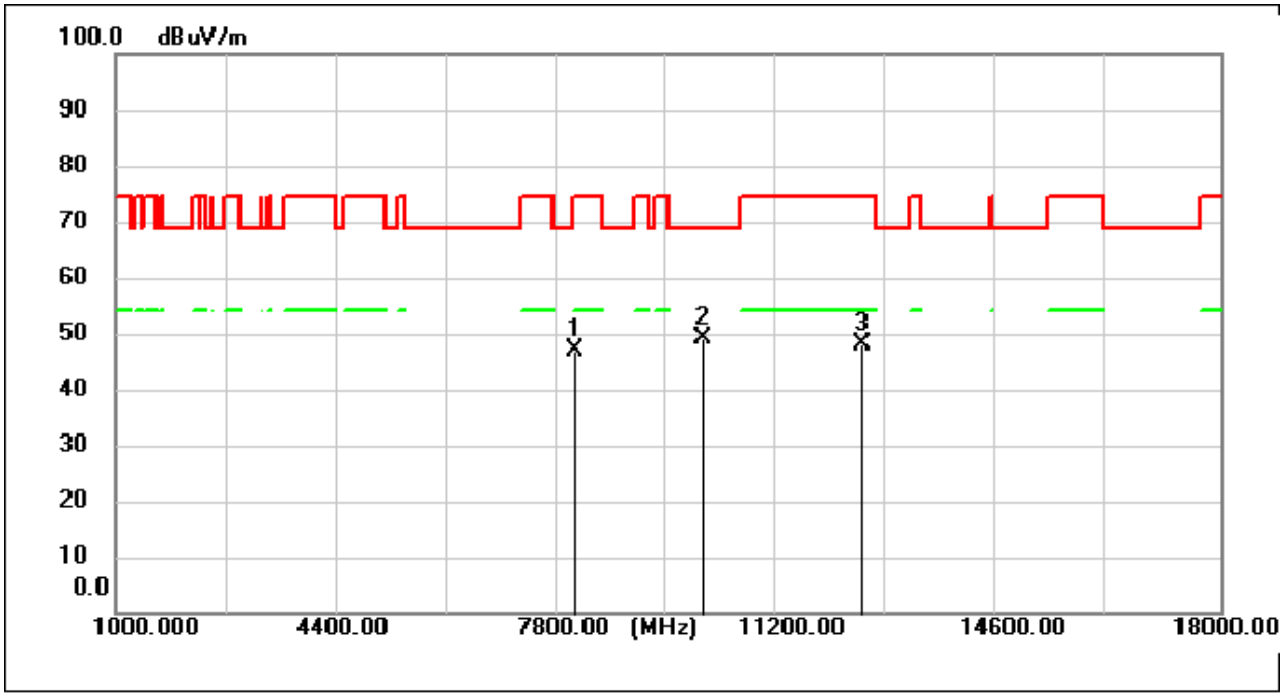
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8617.700	56.73	-8.37	48.36	68.30	-19.94	peak
2	11311.350	55.64	-6.44	49.20	74.00	-24.80	peak
3	13363.250	54.35	-5.61	48.74	74.00	-25.26	peak

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



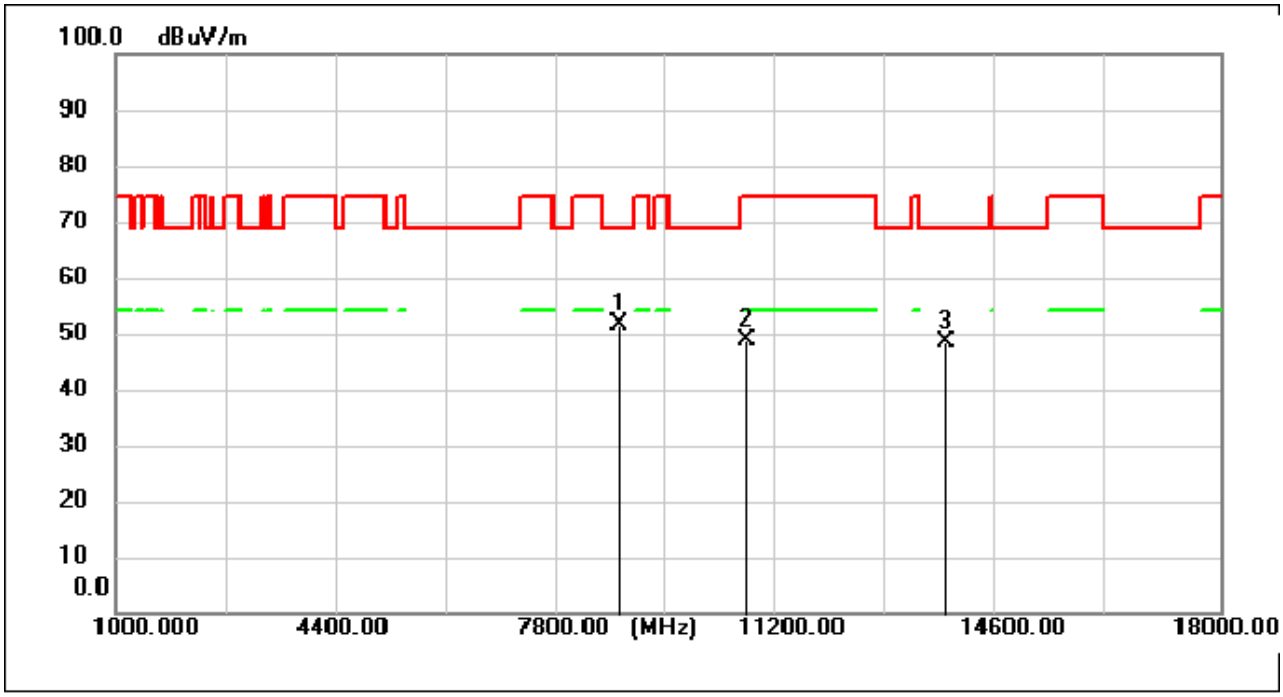
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8677.200	58.83	-8.29	50.54	68.30	-17.76	peak
2	12167.300	54.77	-6.33	48.44	74.00	-25.56	peak
3	14355.200	54.31	-5.28	49.03	68.30	-19.27	peak

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



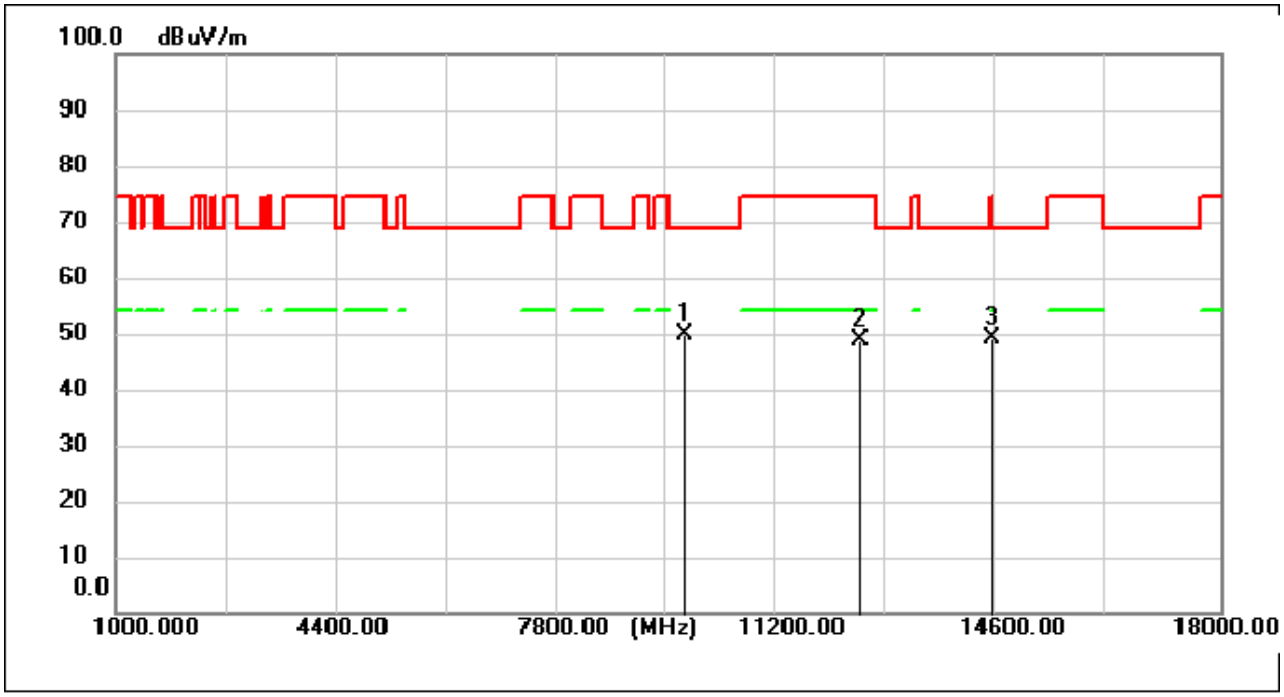
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8057.550	56.05	-9.20	46.85	74.00	-27.15	peak
2	10032.100	54.65	-5.60	49.05	68.30	-19.25	peak
3	12479.250	54.22	-6.17	48.05	74.00	-25.95	peak

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



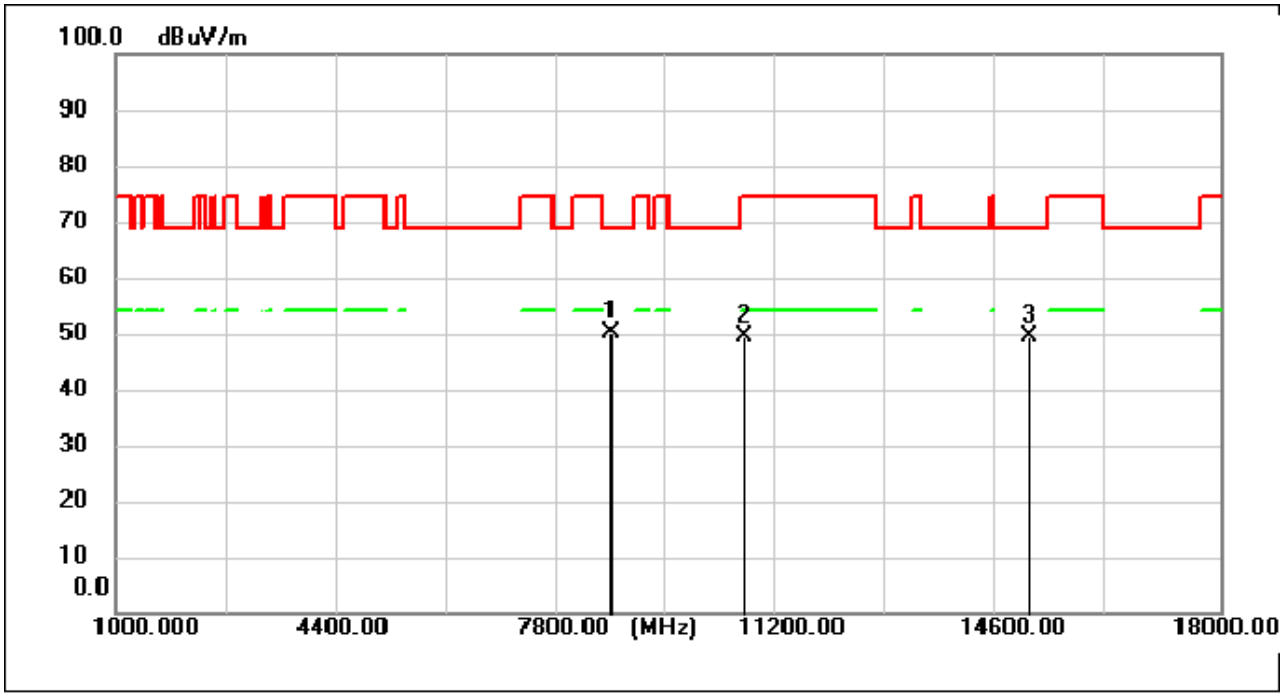
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8737.550	59.86	-8.20	51.66	68.30	-16.64	peak
2	10695.100	54.93	-6.15	48.78	74.00	-25.22	peak
3	13776.350	53.71	-5.40	48.31	68.30	-19.99	peak

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



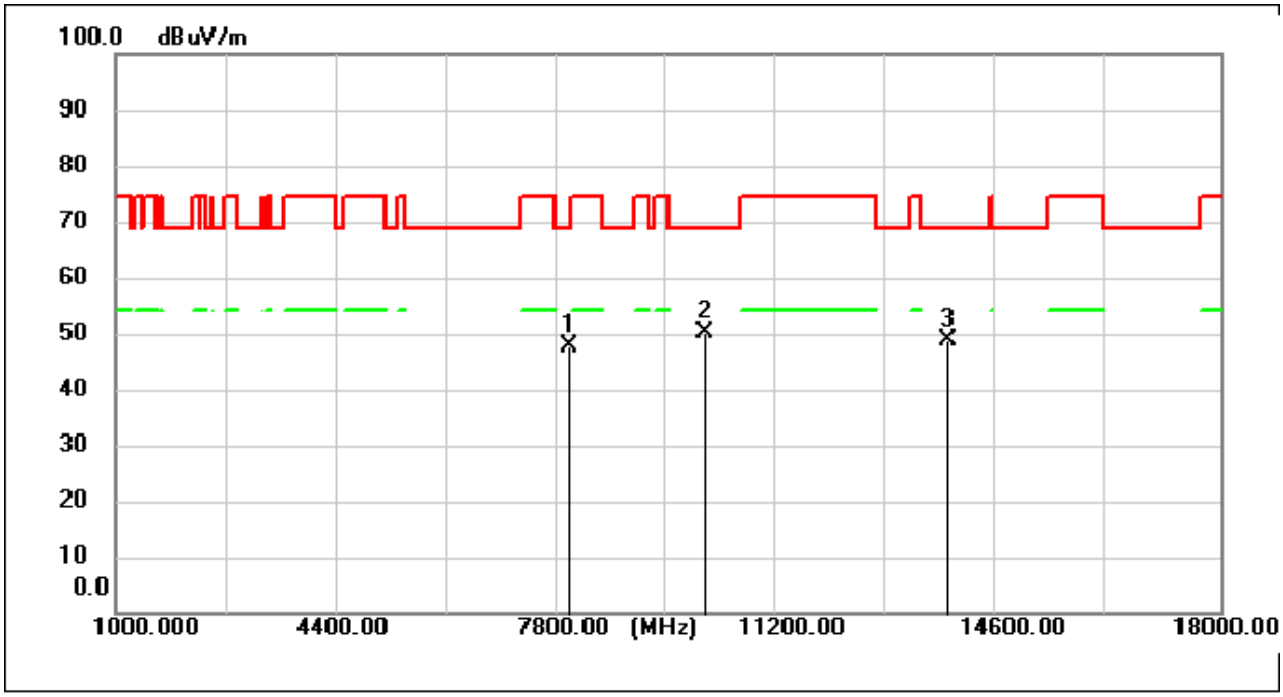
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9771.150	55.76	-5.83	49.93	68.30	-18.37	peak
2	12460.550	54.91	-6.18	48.73	74.00	-25.27	peak
3	14491.200	54.47	-5.21	49.26	74.00	-24.74	peak

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



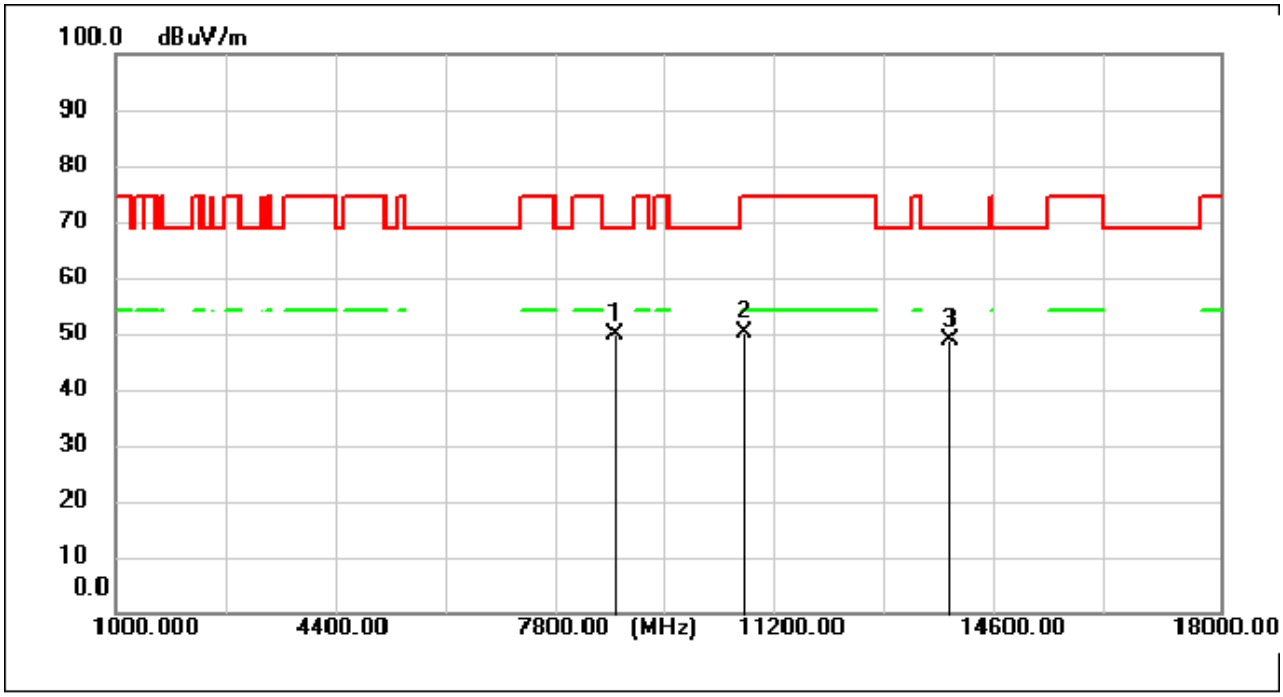
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8617.700	58.50	-8.37	50.13	68.30	-18.17	peak
2	10670.450	55.70	-6.14	49.56	74.00	-24.44	peak
3	15067.500	54.17	-4.64	49.53	68.30	-18.77	peak

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



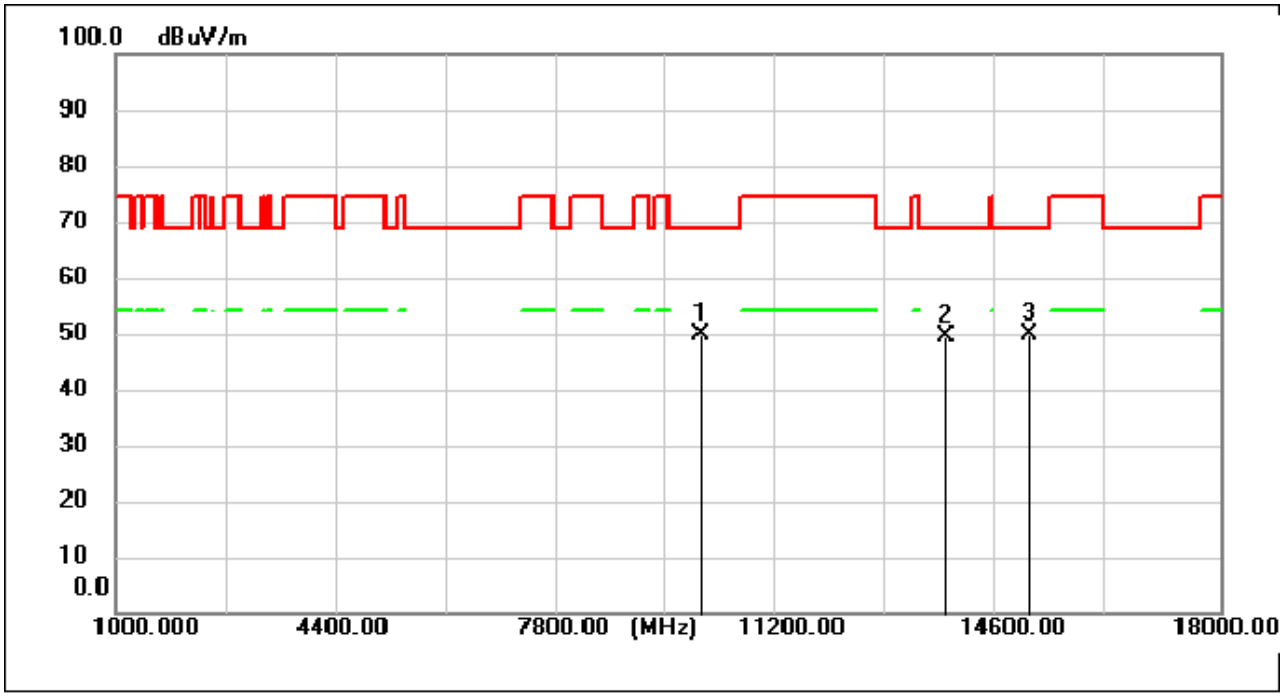
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7956.400	57.12	-9.35	47.77	68.30	-20.53	peak
2	10055.900	55.80	-5.63	50.17	68.30	-18.13	peak
3	13817.150	54.05	-5.38	48.67	68.30	-19.63	peak

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



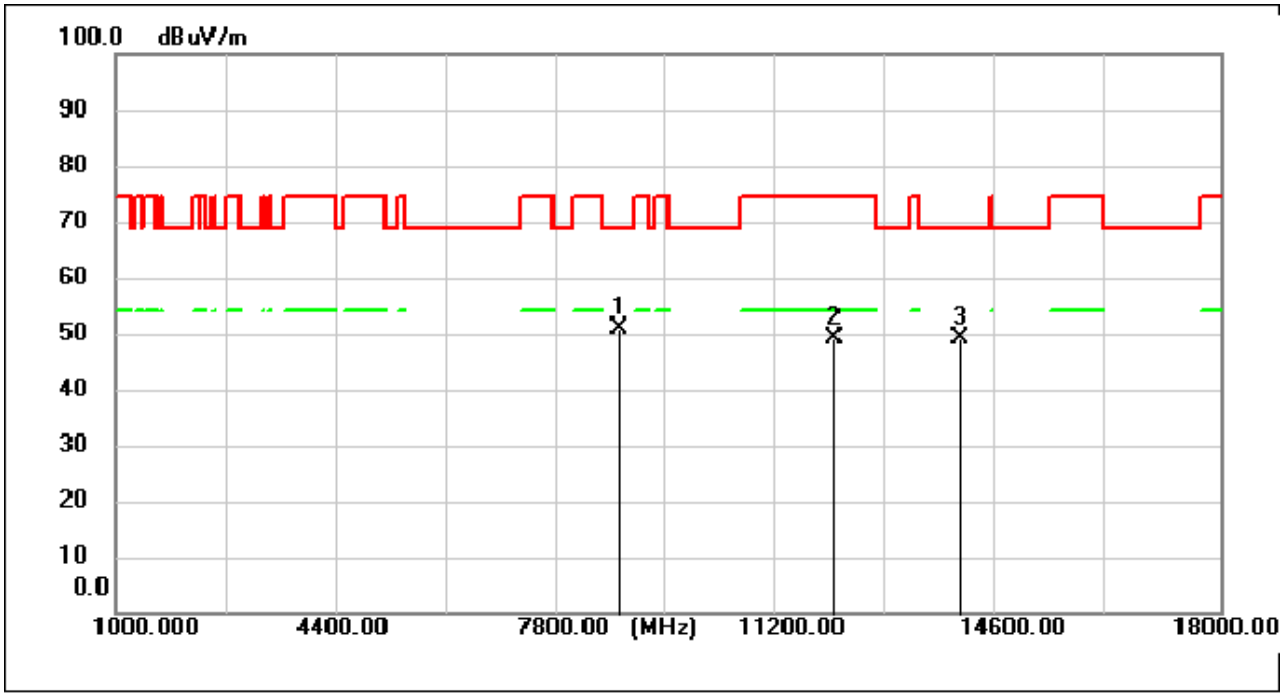
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8678.050	58.23	-8.29	49.94	68.30	-18.36	peak
2	10672.150	56.30	-6.14	50.16	74.00	-23.84	peak
3	13846.050	54.28	-5.37	48.91	68.30	-19.39	peak

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



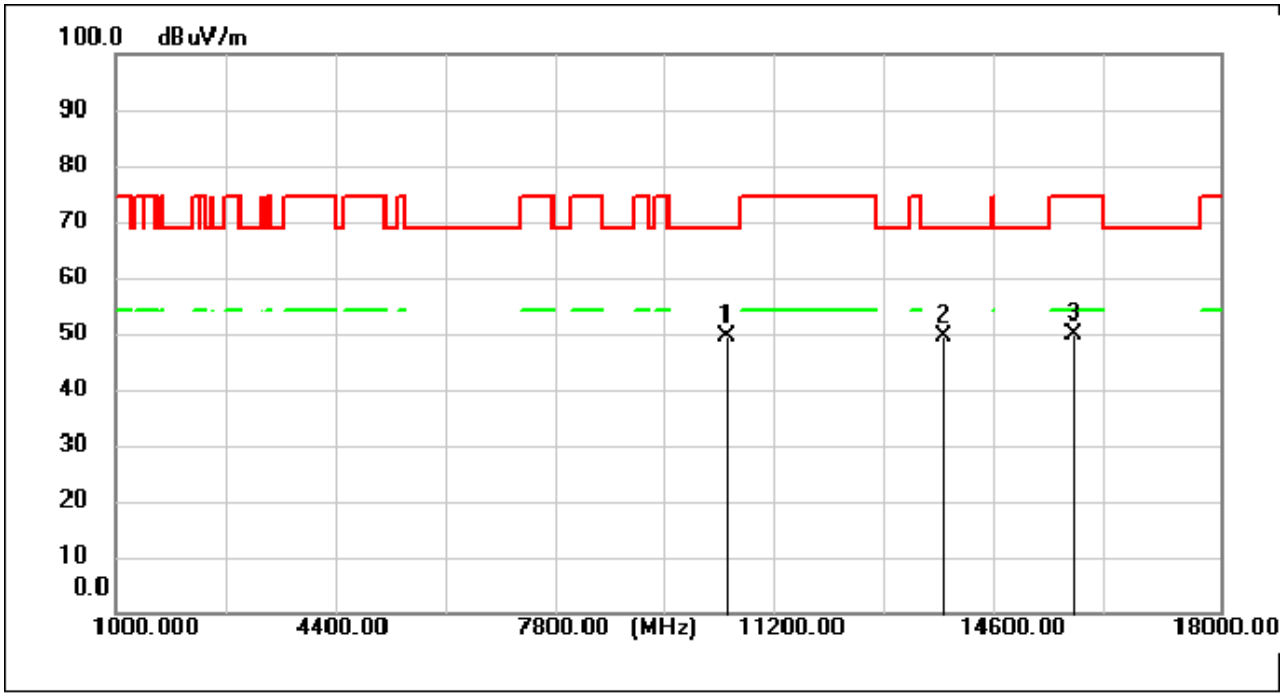
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9991.300	55.50	-5.58	49.92	68.30	-18.38	peak
2	13754.250	54.78	-5.41	49.37	68.30	-18.93	peak
3	15062.400	54.42	-4.66	49.76	68.30	-18.54	peak

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



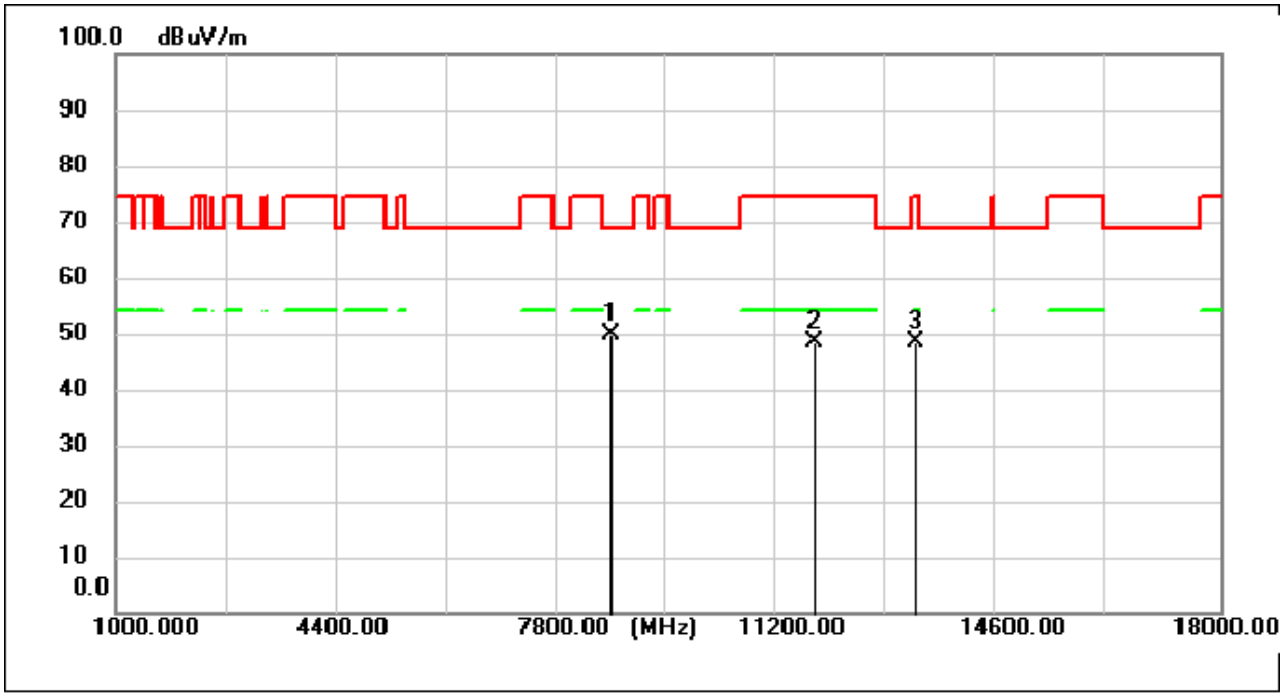
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8737.550	58.96	-8.20	50.76	68.30	-17.54	peak
2	12053.400	55.42	-6.39	49.03	74.00	-24.97	peak
3	13990.550	54.41	-5.29	49.12	68.30	-19.18	peak

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



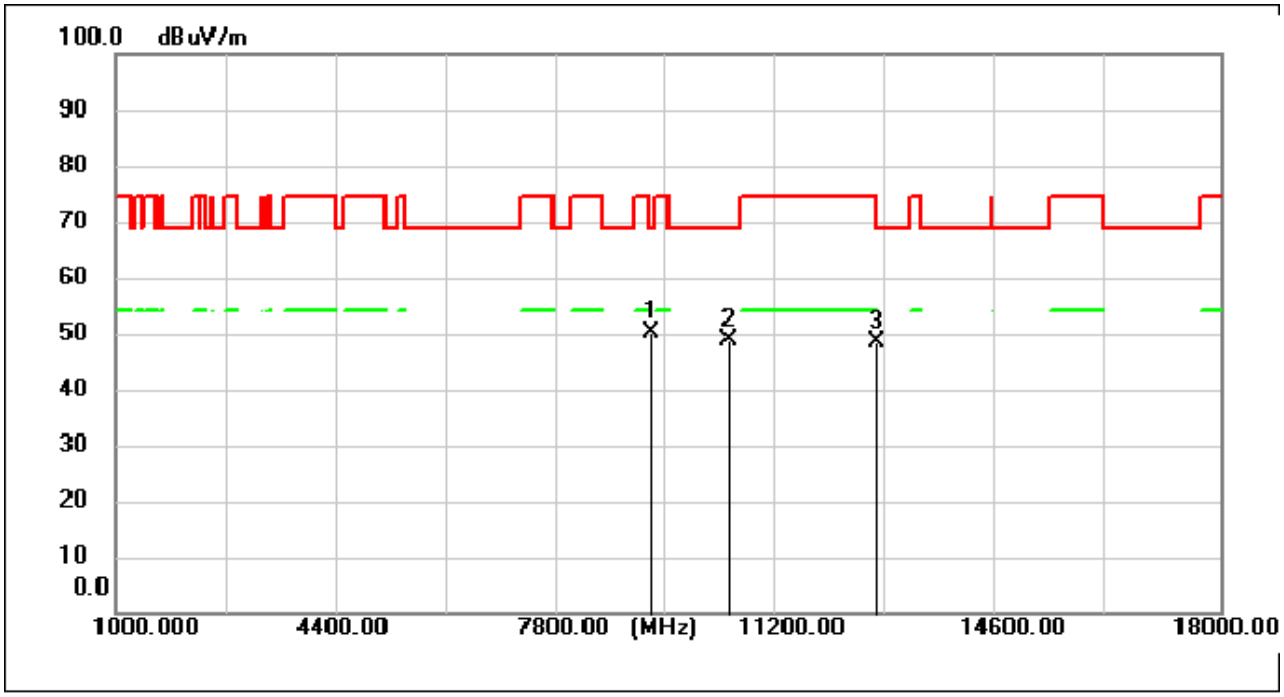
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10401.000	55.42	-5.91	49.51	68.30	-18.79	peak
2	13746.600	54.96	-5.41	49.55	68.30	-18.75	peak
3	15755.150	53.39	-3.50	49.89	74.00	-24.11	peak

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



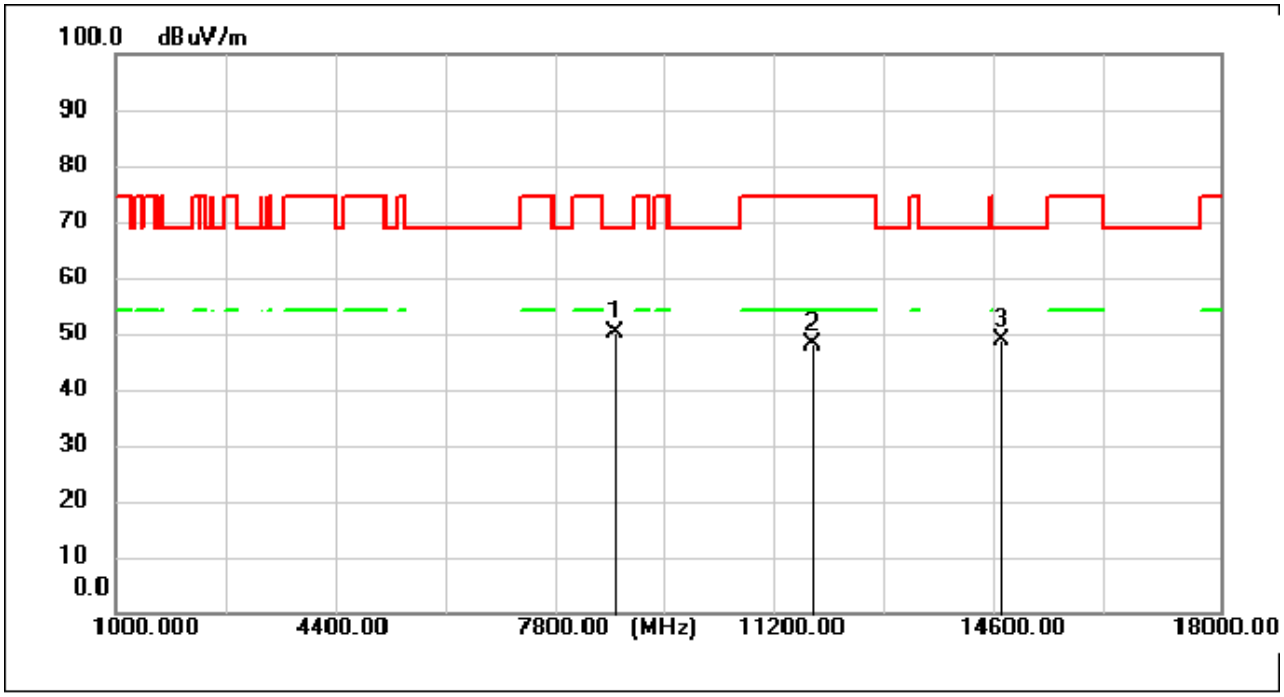
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8617.700	58.20	-8.37	49.83	68.30	-18.47	peak
2	11733.800	54.91	-6.46	48.45	74.00	-25.55	peak
3	13302.050	54.15	-5.64	48.51	74.00	-25.49	peak

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



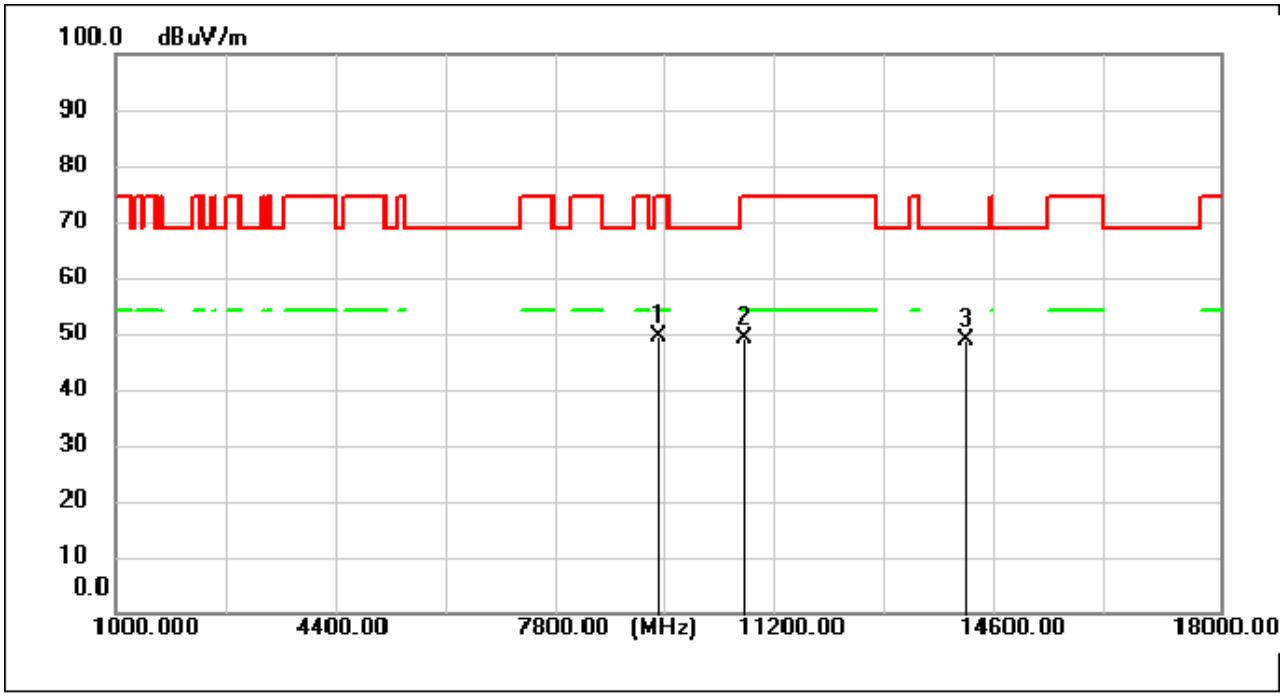
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9220.350	57.33	-7.23	50.10	68.30	-18.20	peak
2	10424.800	54.75	-5.93	48.82	68.30	-19.48	peak
3	12697.700	54.30	-6.05	48.25	74.00	-25.75	peak

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



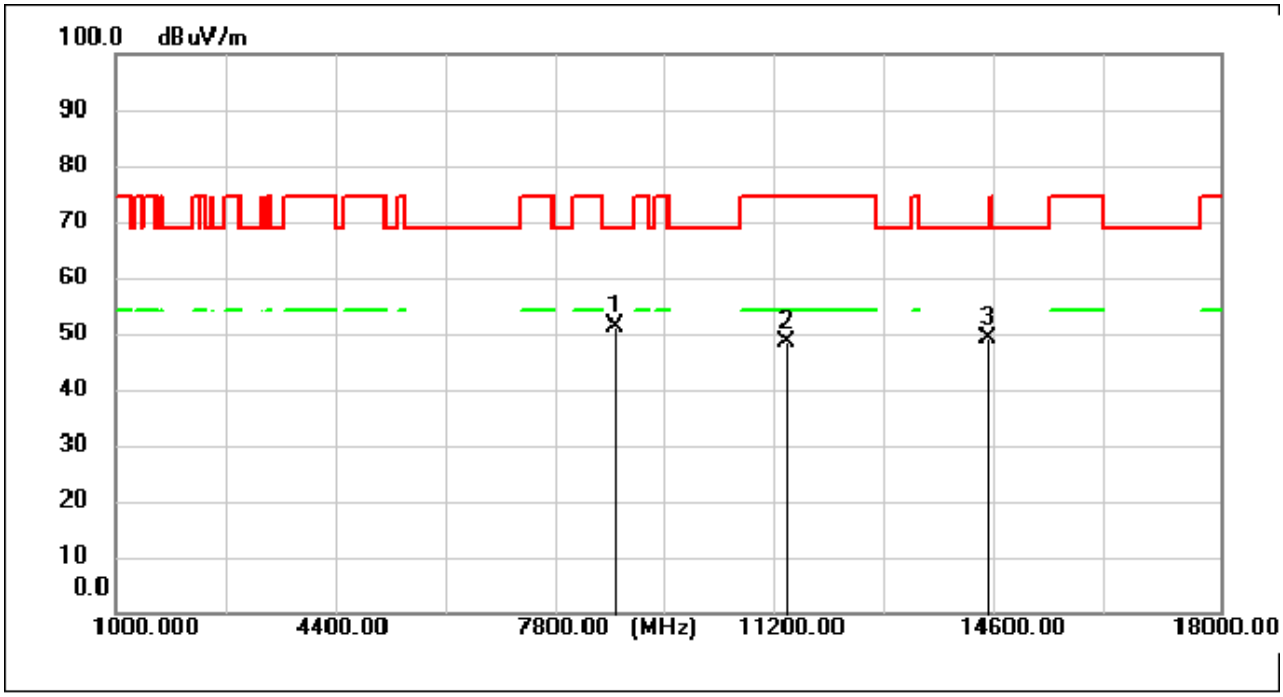
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8677.200	58.54	-8.29	50.25	68.30	-18.05	peak
2	11714.250	54.64	-6.47	48.17	74.00	-25.83	peak
3	14619.550	53.82	-5.10	48.72	68.30	-19.58	peak

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



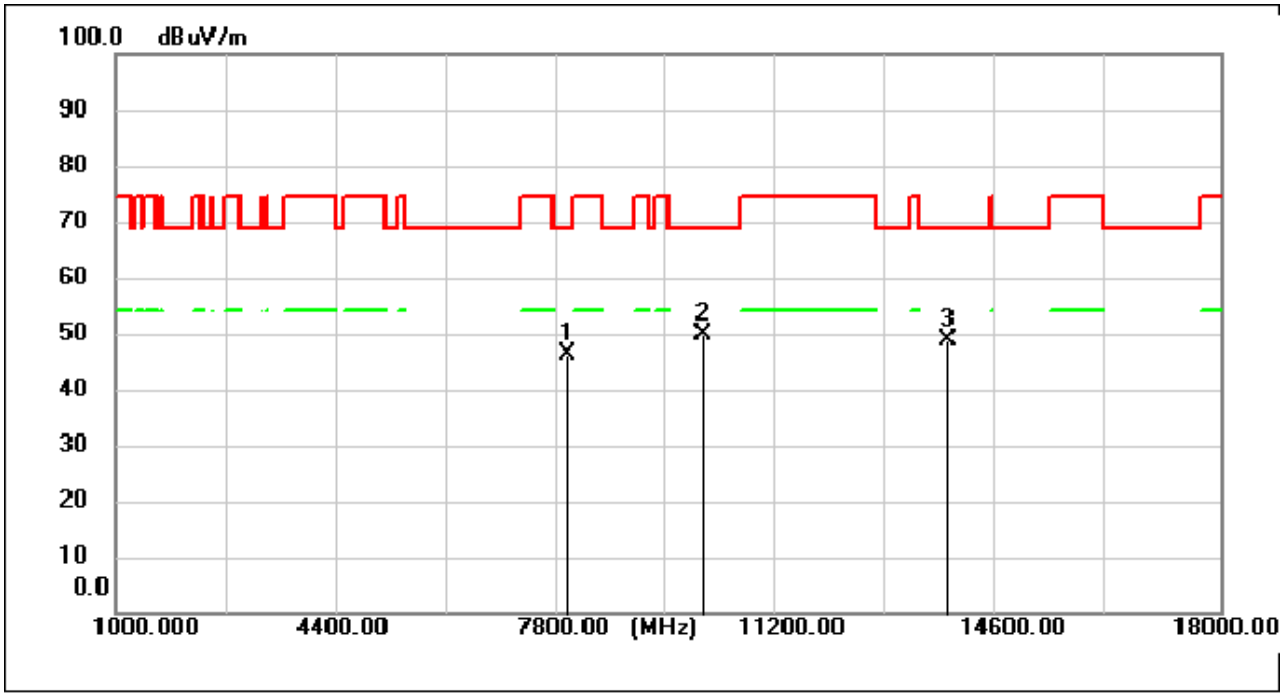
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9360.600	56.33	-6.88	49.45	74.00	-24.55	peak
2	10685.750	55.17	-6.15	49.02	74.00	-24.98	peak
3	14062.800	54.15	-5.29	48.86	68.30	-19.44	peak

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



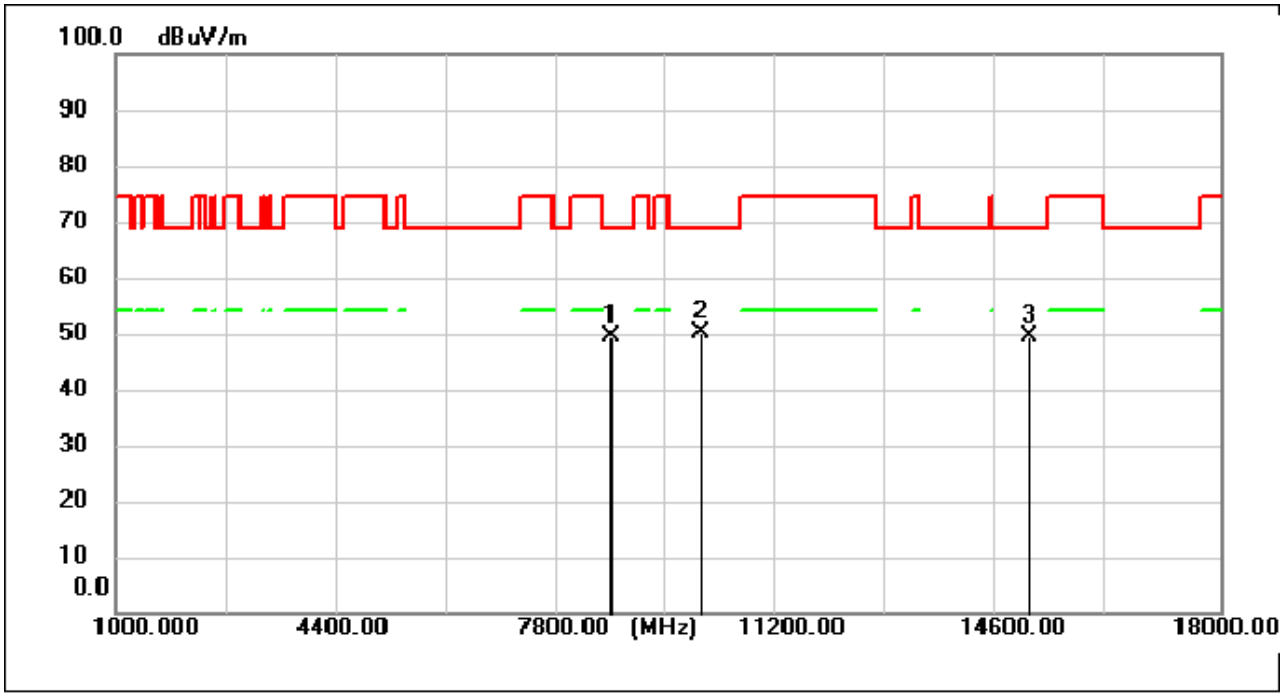
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8678.050	59.68	-8.29	51.39	68.30	-16.91	peak
2	11335.150	54.98	-6.45	48.53	74.00	-25.47	peak
3	14420.650	54.52	-5.28	49.24	68.30	-19.06	peak

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



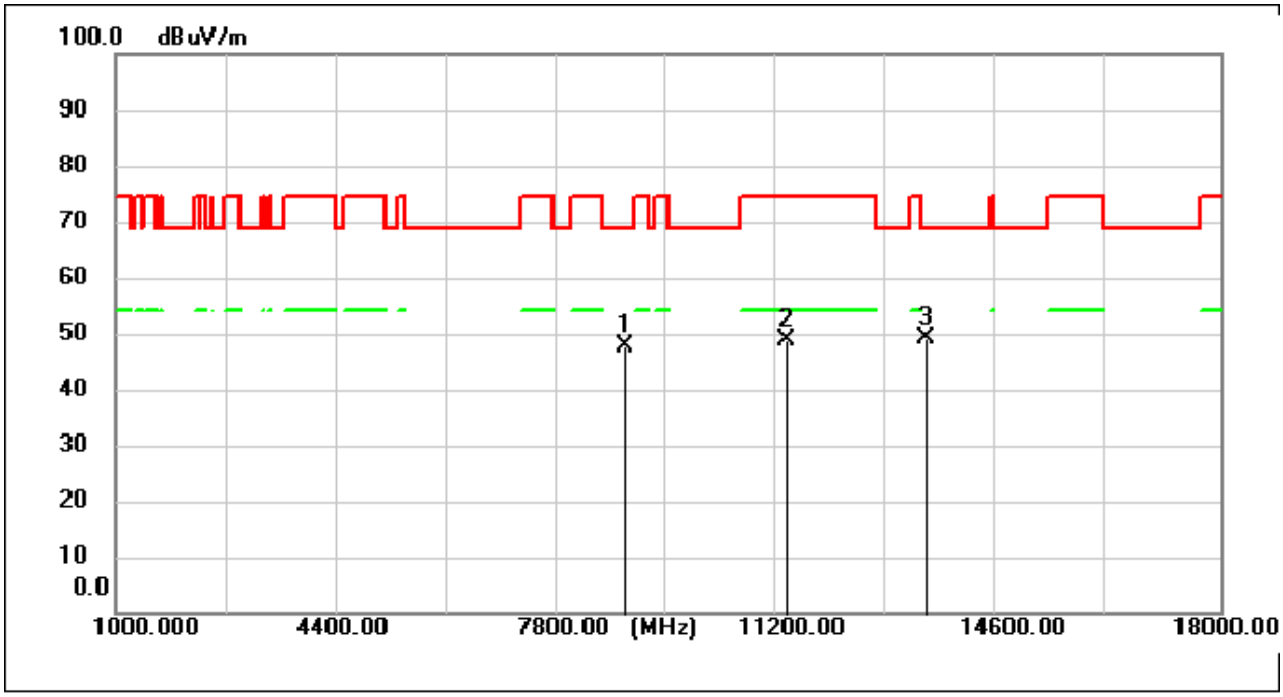
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7937.700	55.76	-9.38	46.38	68.30	-21.92	peak
2	10036.350	55.38	-5.61	49.77	68.30	-18.53	peak
3	13801.000	54.28	-5.39	48.89	68.30	-19.41	peak

Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



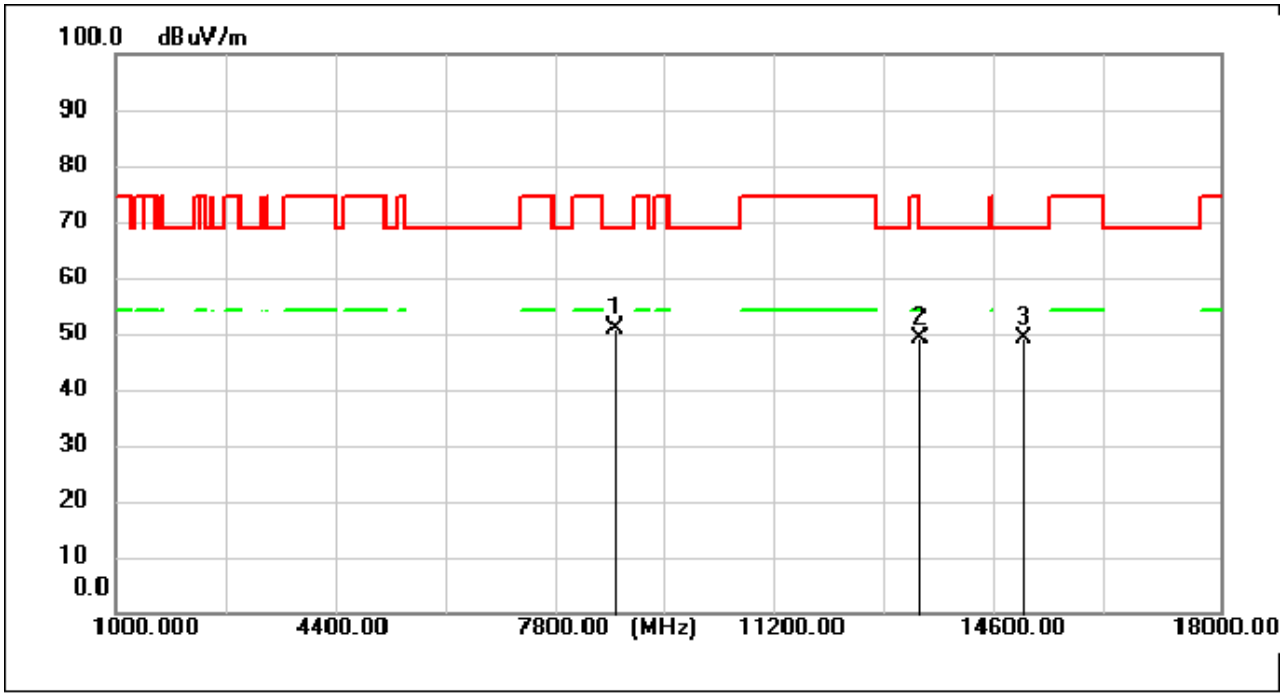
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8617.700	57.90	-8.37	49.53	68.30	-18.77	peak
2	10007.450	55.90	-5.59	50.31	68.30	-17.99	peak
3	15064.100	54.16	-4.65	49.51	68.30	-18.79	peak

Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



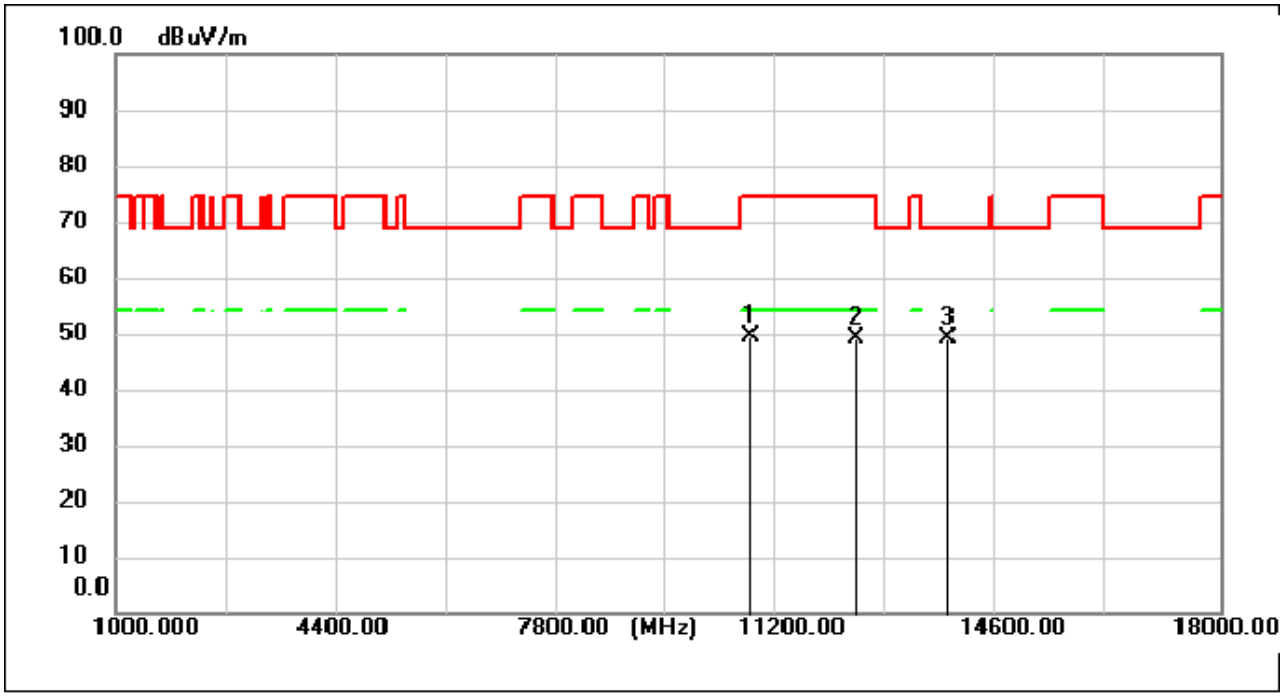
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8852.300	55.76	-8.04	47.72	68.30	-20.58	peak
2	11311.350	55.07	-6.44	48.63	74.00	-25.37	peak
3	13455.050	54.52	-5.57	48.95	68.30	-19.35	peak

Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



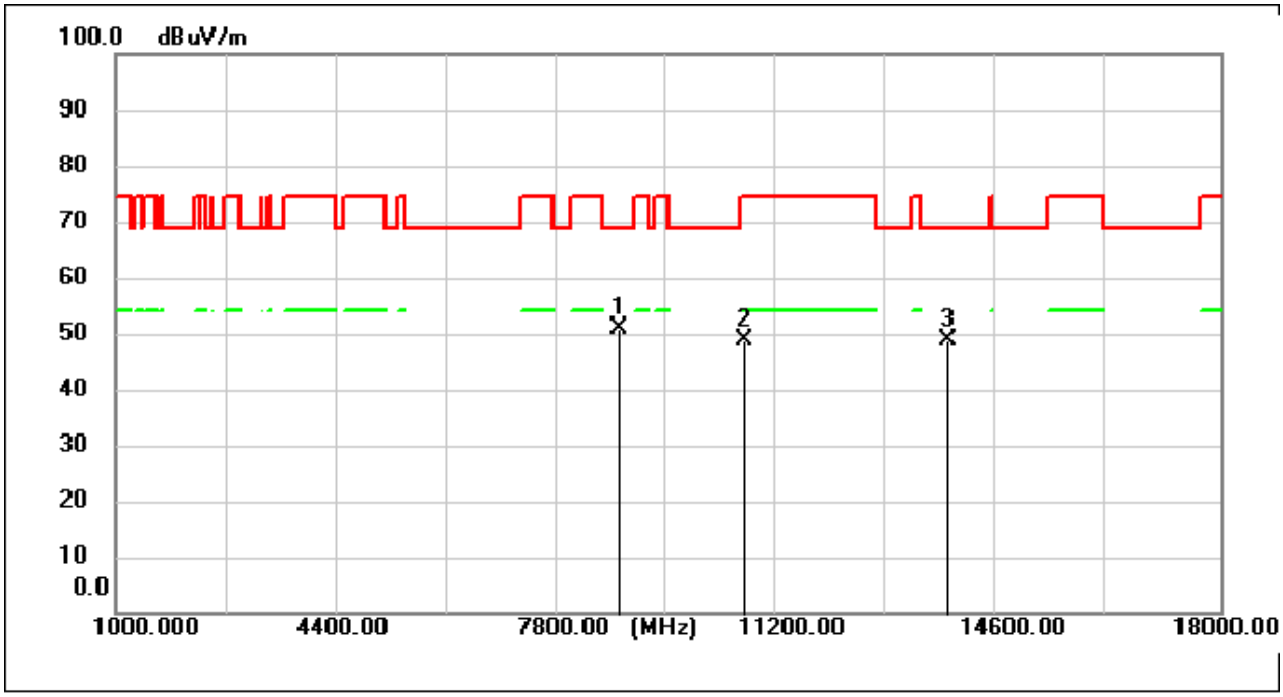
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8677.200	59.19	-8.29	50.90	68.30	-17.40	peak
2	13367.500	54.68	-5.62	49.06	74.00	-24.94	peak
3	14985.050	53.97	-4.77	49.20	68.30	-19.10	peak

Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



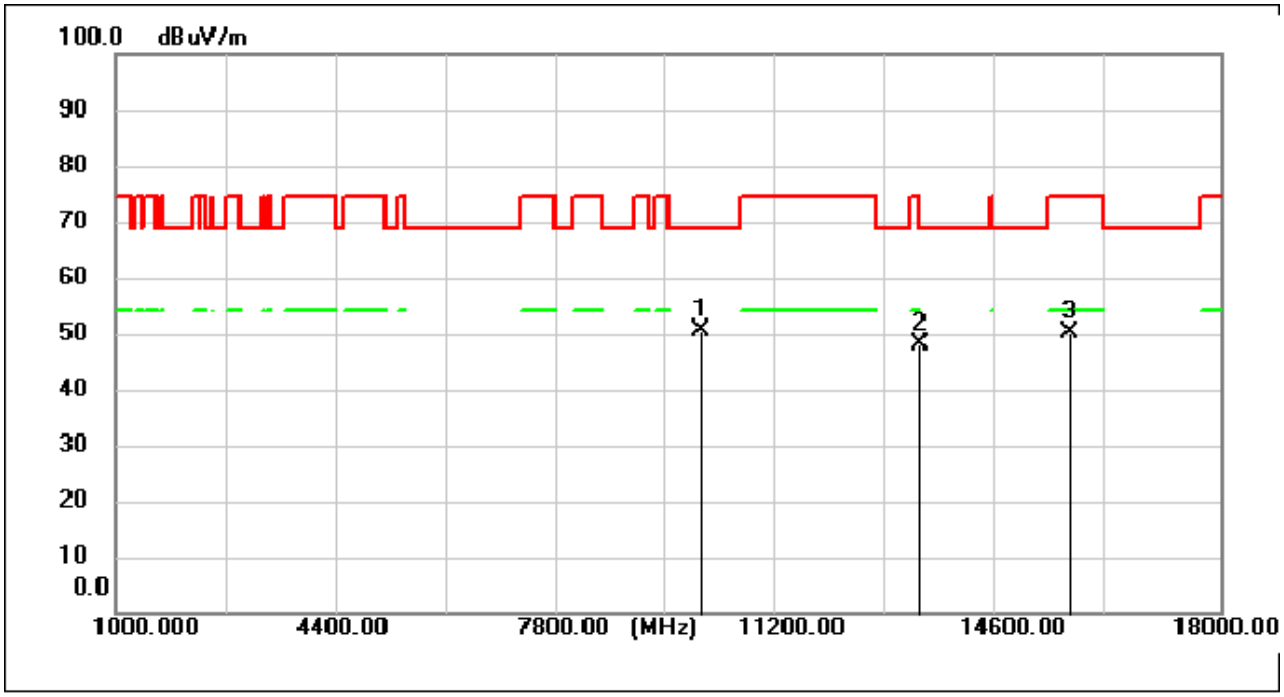
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10766.500	55.75	-6.21	49.54	74.00	-24.46	peak
2	12384.900	55.43	-6.22	49.21	74.00	-24.79	peak
3	13815.450	54.35	-5.38	48.97	68.30	-19.33	peak

Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8737.550	59.15	-8.20	50.95	68.30	-17.35	peak
2	10678.950	54.95	-6.14	48.81	74.00	-25.19	peak
3	13813.750	54.14	-5.38	48.76	68.30	-19.54	peak

Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9996.400	55.96	-5.58	50.38	68.30	-17.92	peak
2	13361.550	53.82	-5.61	48.21	74.00	-25.79	peak
3	15679.500	53.69	-3.63	50.06	74.00	-23.94	peak

7.5 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.10.5
Measurement Distance: 3m

Limit:

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

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

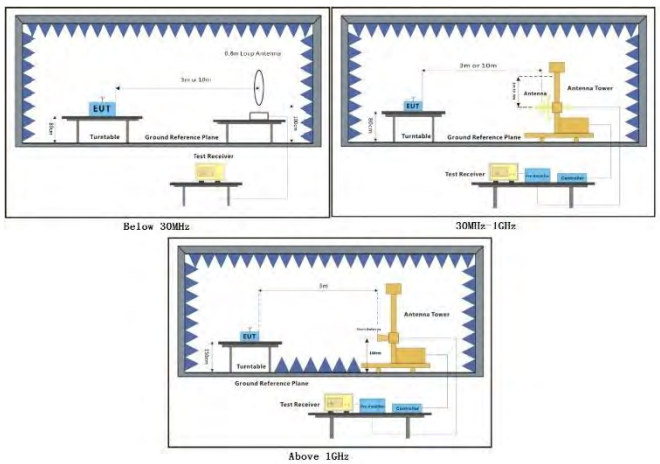
7.5.1 E.U.T. Operation

Operating Environment:
Temperature: °C Humidity: % RH Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-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/ac/ax 20, Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 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.

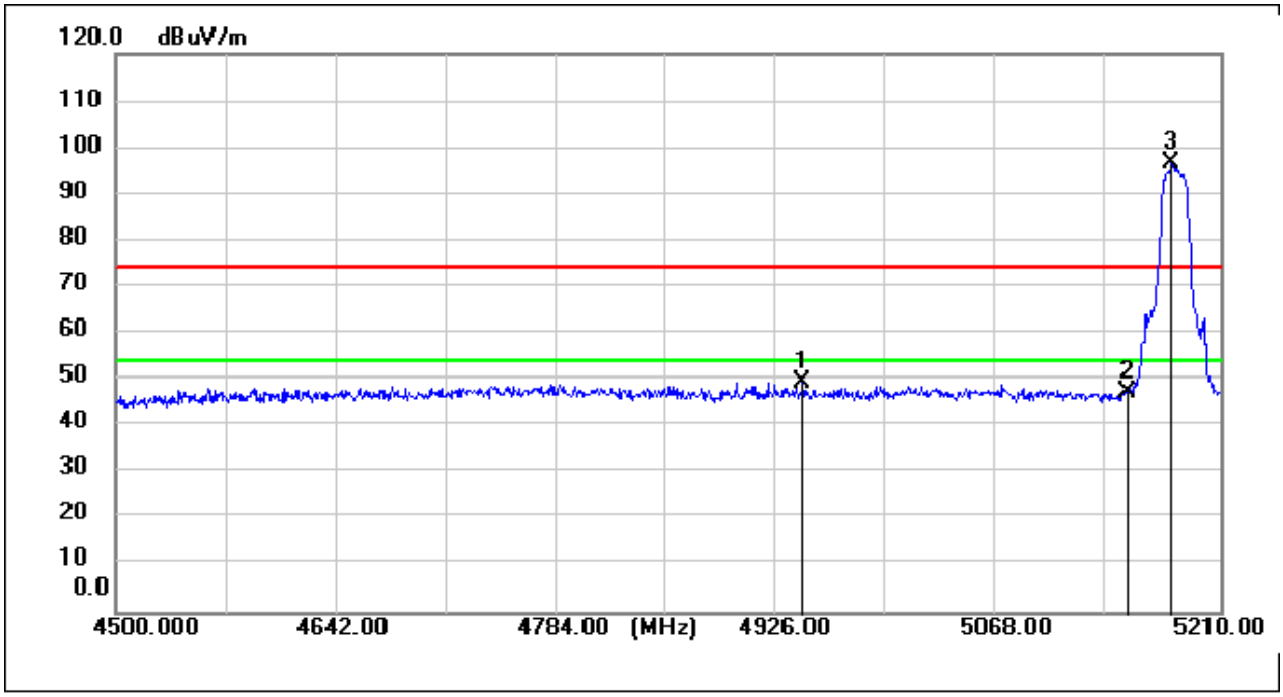
j. Repeat above procedures until all frequencies measured was complete.

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

Remark 2.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

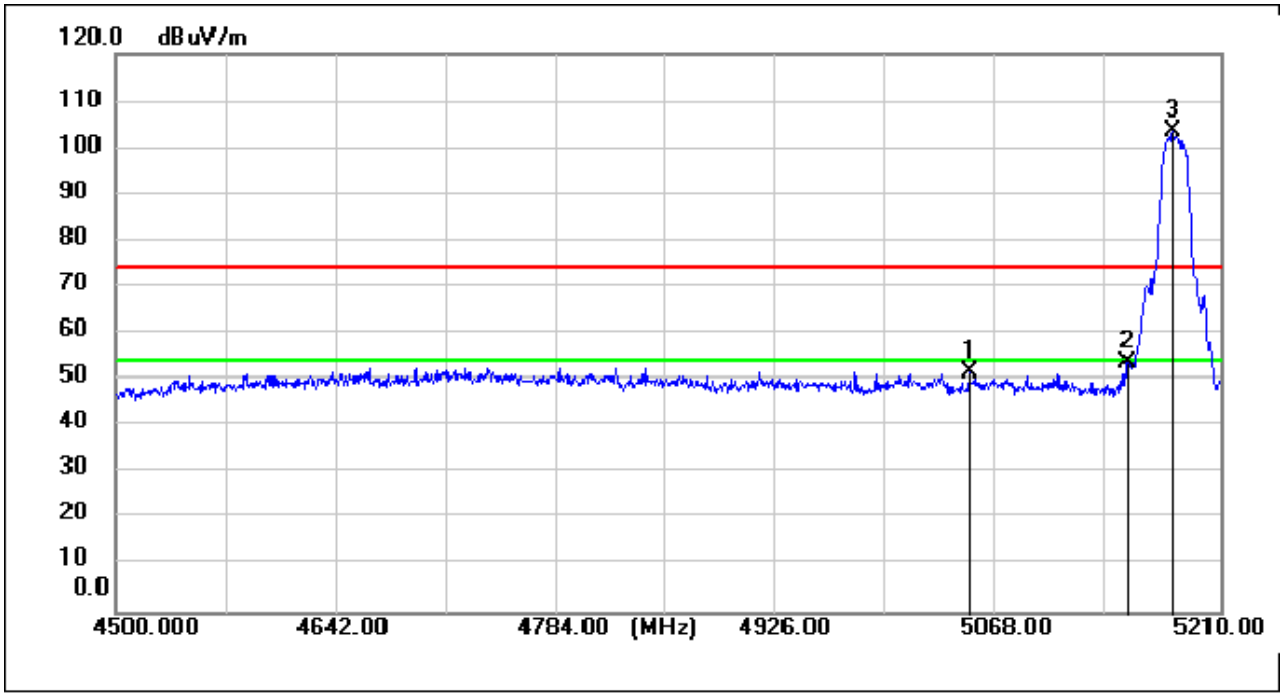
Remark 3. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geqslant$1/T (Duty cycle$<$98%) or 10Hz (Duty cycle$\geqslant$98%) for Average detection (AV) at frequency above 1GHz.

Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



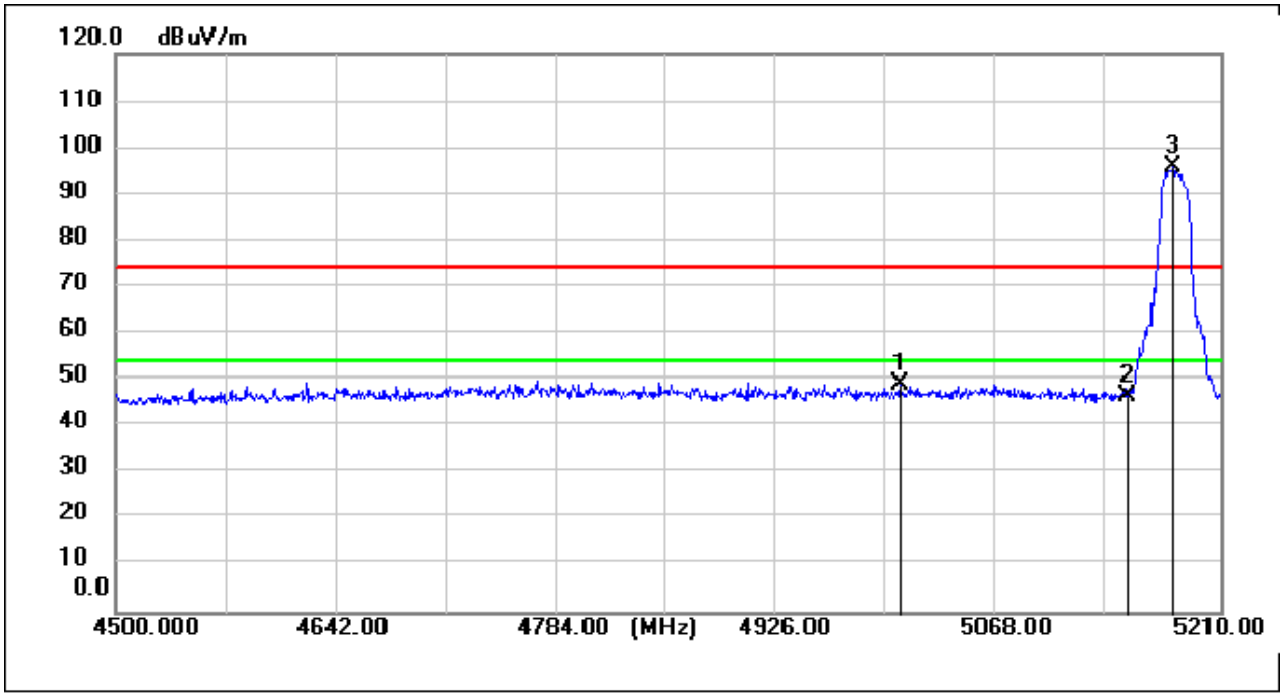
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4941.620	42.36	6.99	49.35	74.00	-24.65	peak
2	5150.000	40.22	7.12	47.34	74.00	-26.66	peak
3	5178.760	89.57	7.11	96.68	74.00	22.68	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



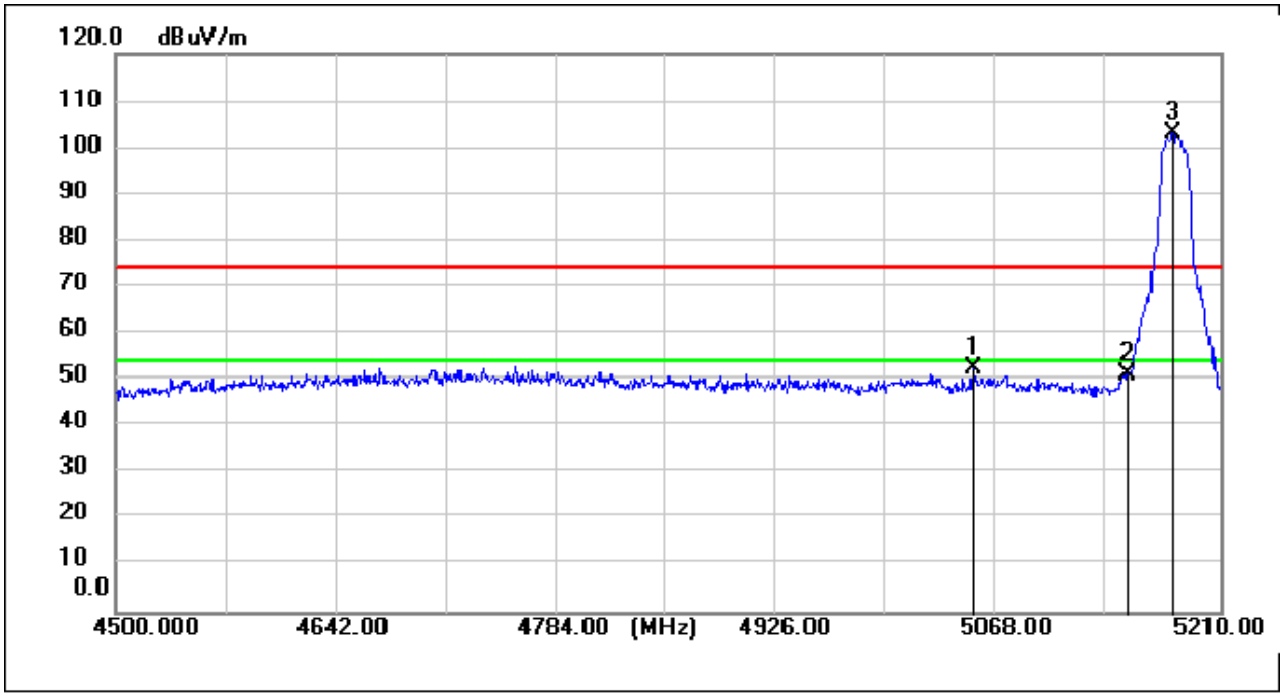
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5048.830	44.50	7.15	51.65	74.00	-22.35	peak
2	5150.000	46.73	7.12	53.85	74.00	-20.15	peak
3	5179.470	96.38	7.11	103.49	74.00	29.49	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



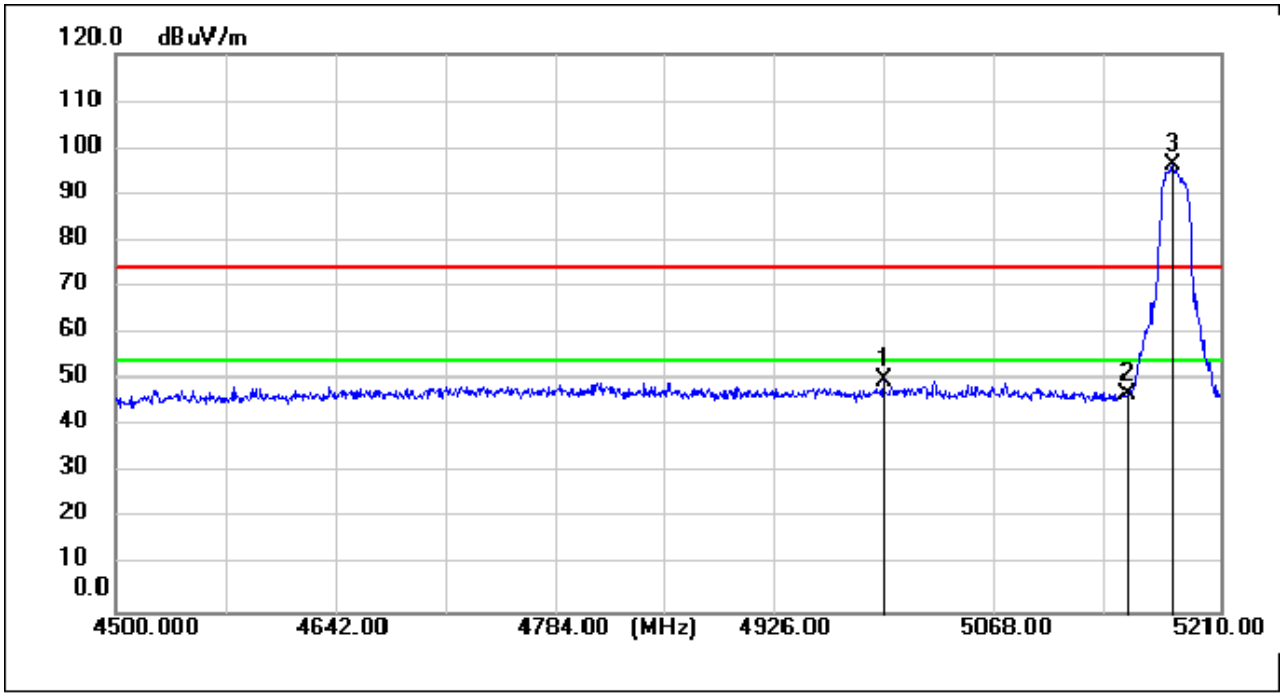
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5004.100	41.94	7.15	49.09	74.00	-24.91	peak
2	5150.000	39.56	7.12	46.68	74.00	-27.32	peak
3	5180.180	88.59	7.11	95.70	74.00	21.70	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



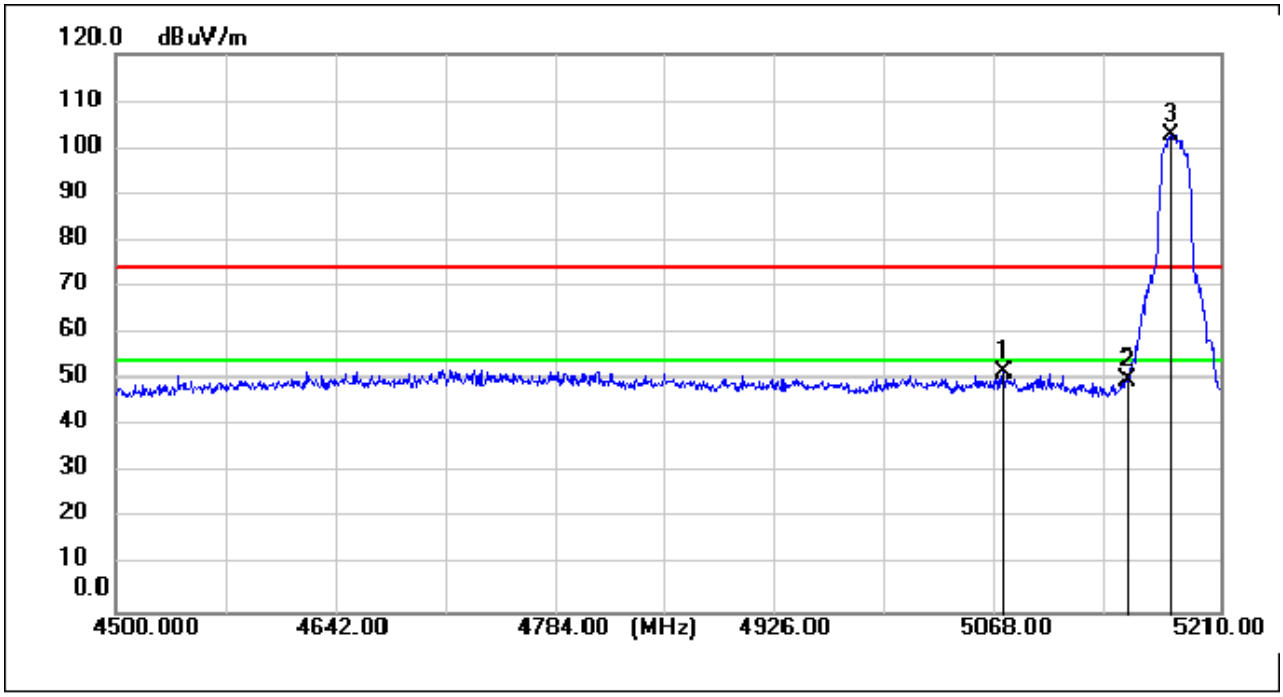
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5051.670	45.20	7.15	52.35	74.00	-21.65	peak
2	5150.000	44.09	7.12	51.21	74.00	-22.79	peak
3	5179.470	95.87	7.11	102.98	74.00	28.98	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



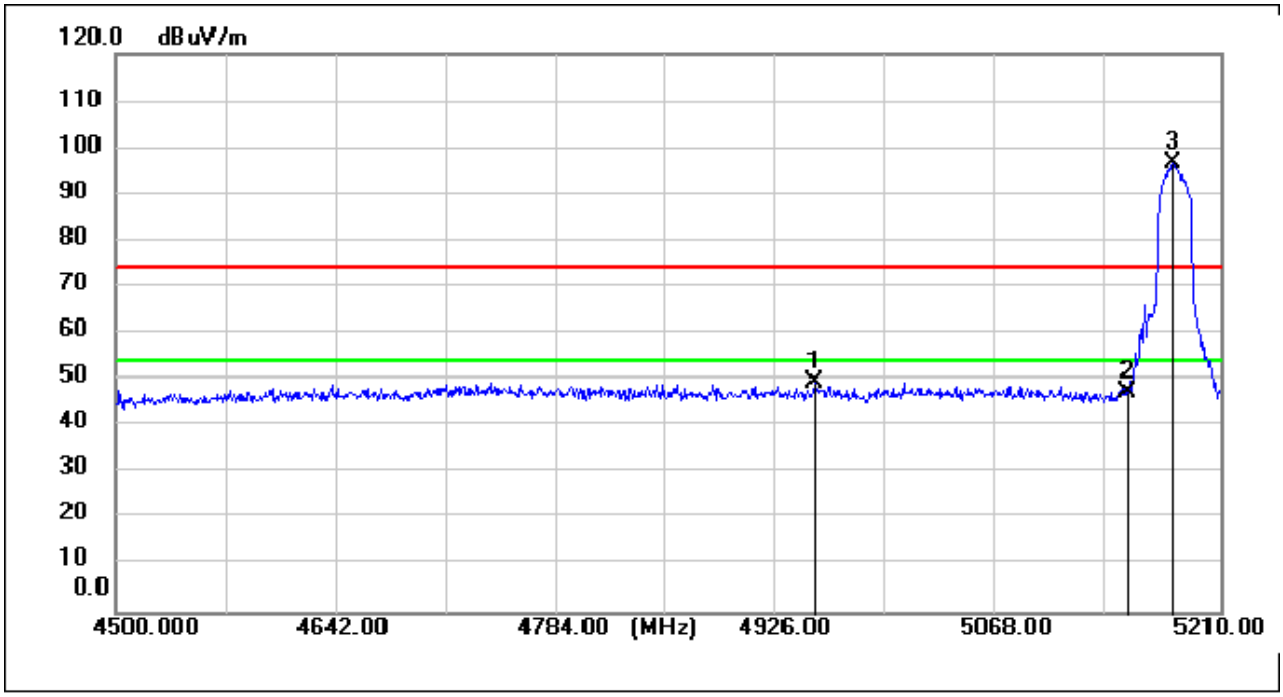
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4993.450	42.94	7.14	50.08	74.00	-23.92	peak
2	5150.000	39.83	7.12	46.95	74.00	-27.05	peak
3	5180.180	88.95	7.11	96.06	74.00	22.06	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



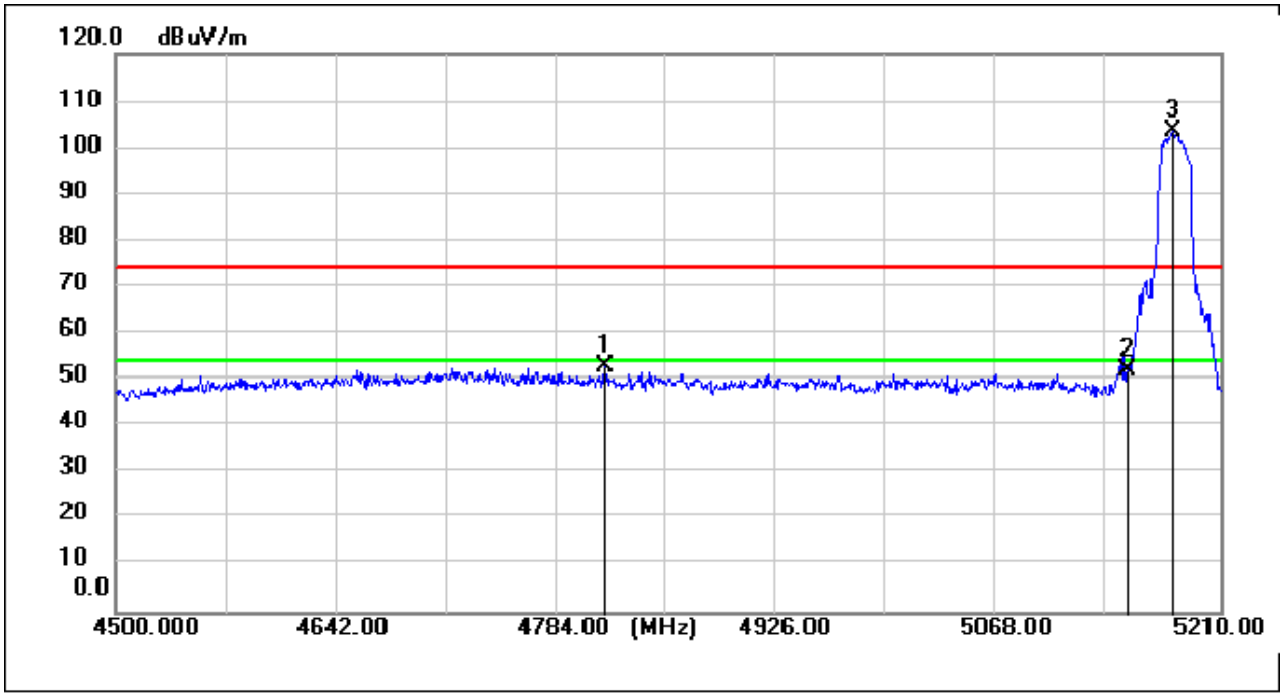
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5071.550	44.69	7.15	51.84	74.00	-22.16	peak
2	5150.000	42.88	7.12	50.00	74.00	-24.00	peak
3	5178.760	95.70	7.11	102.81	74.00	28.81	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



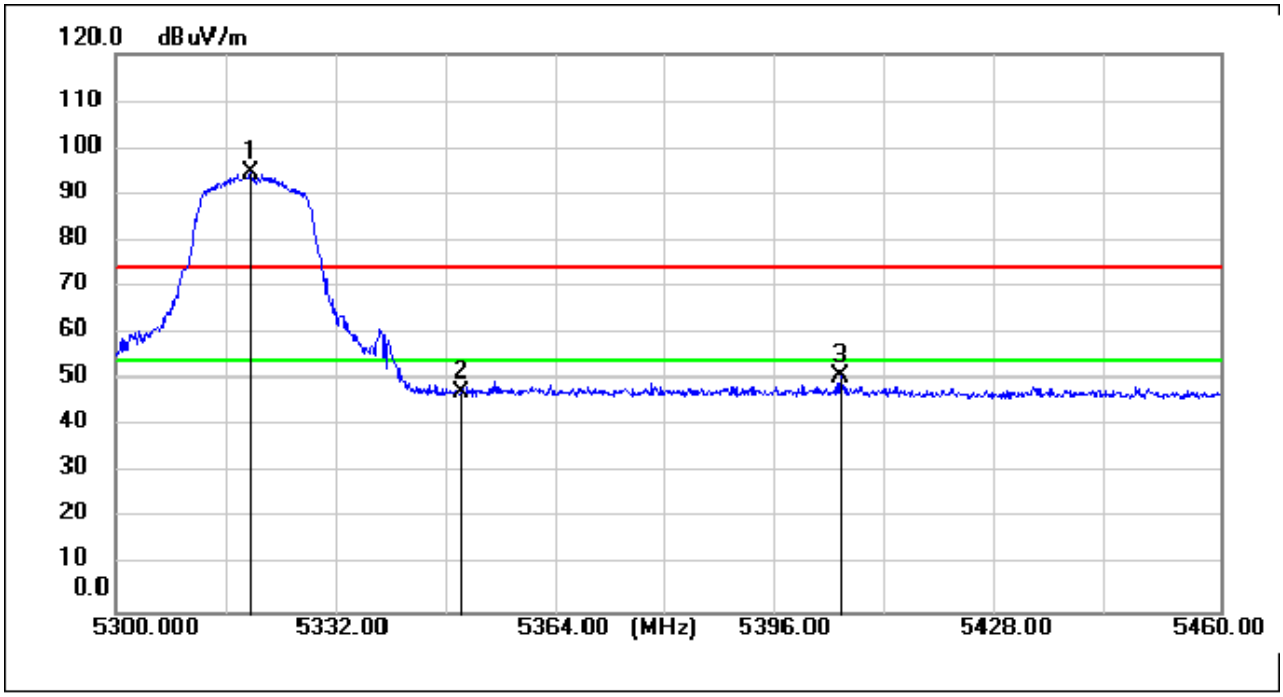
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4949.430	42.59	7.00	49.59	74.00	-24.41	peak
2	5150.000	40.44	7.12	47.56	74.00	-26.44	peak
3	5180.180	89.46	7.11	96.57	74.00	22.57	peak

Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



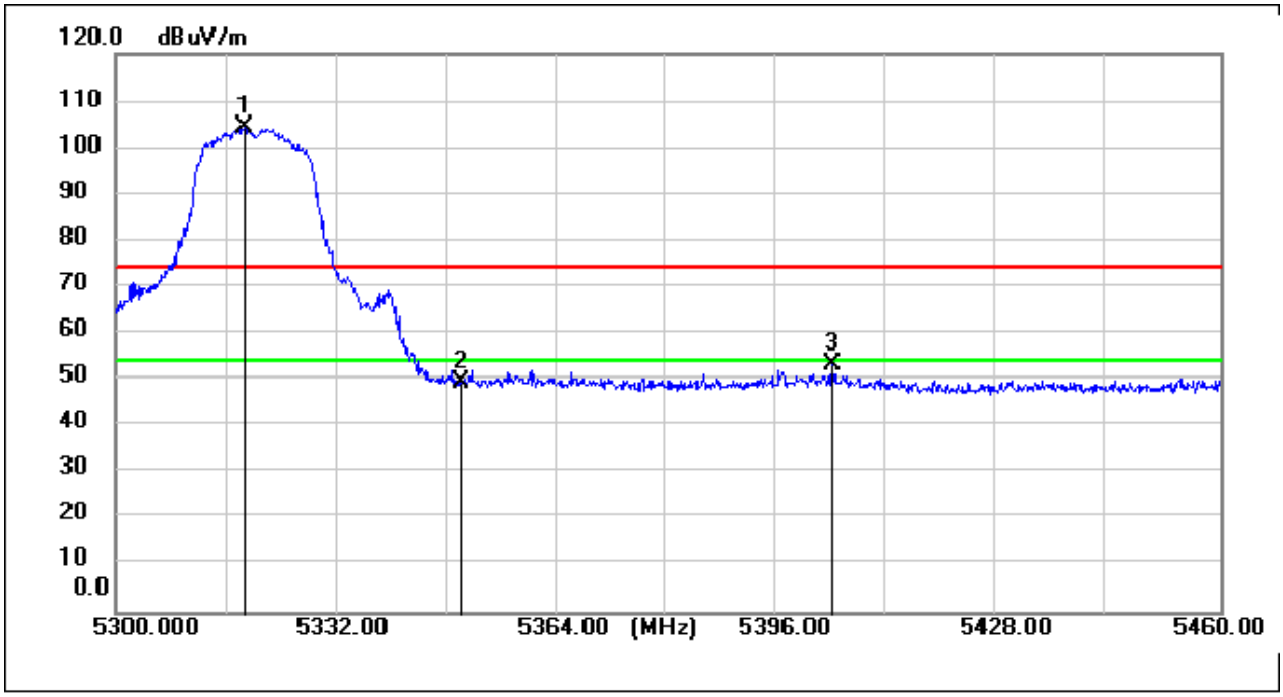
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4815.240	46.44	6.62	53.06	74.00	-20.94	peak
2	5150.000	45.07	7.12	52.19	74.00	-21.81	peak
3	5180.180	96.27	7.11	103.38	74.00	29.38	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



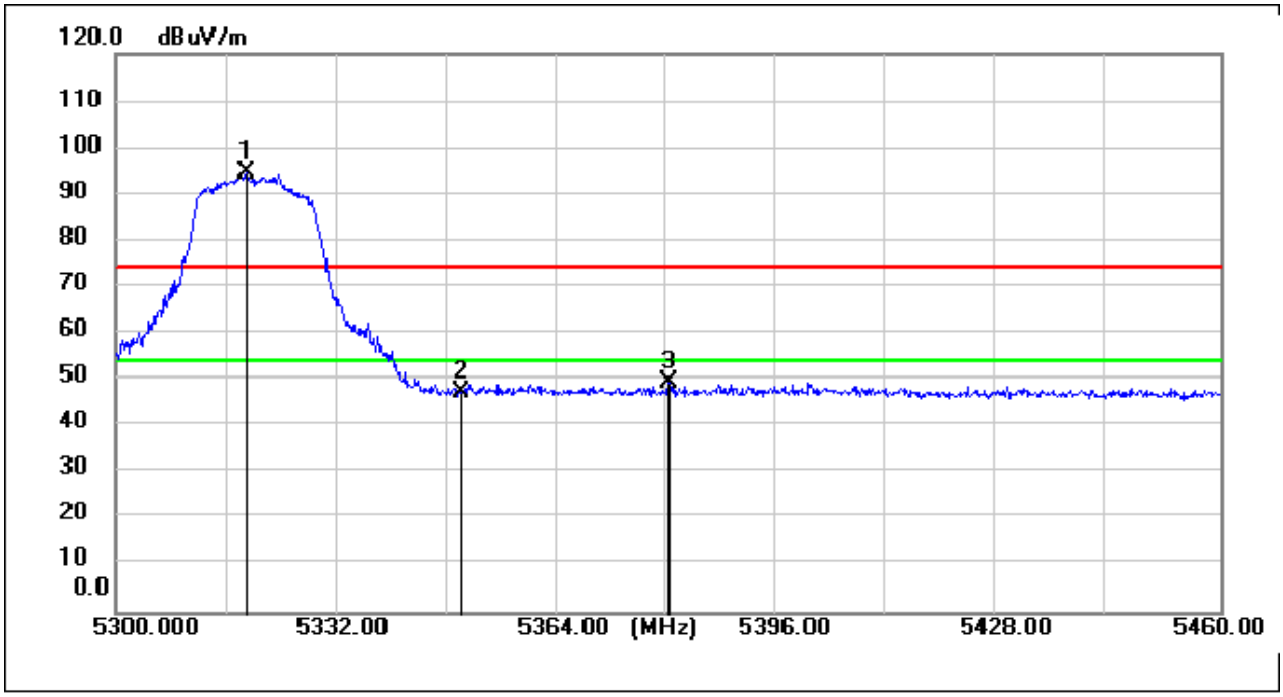
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5319.360	87.24	7.06	94.30	74.00	20.30	peak
2	5350.000	40.30	7.05	47.35	74.00	-26.65	peak
3	5404.960	43.77	7.03	50.80	74.00	-23.20	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



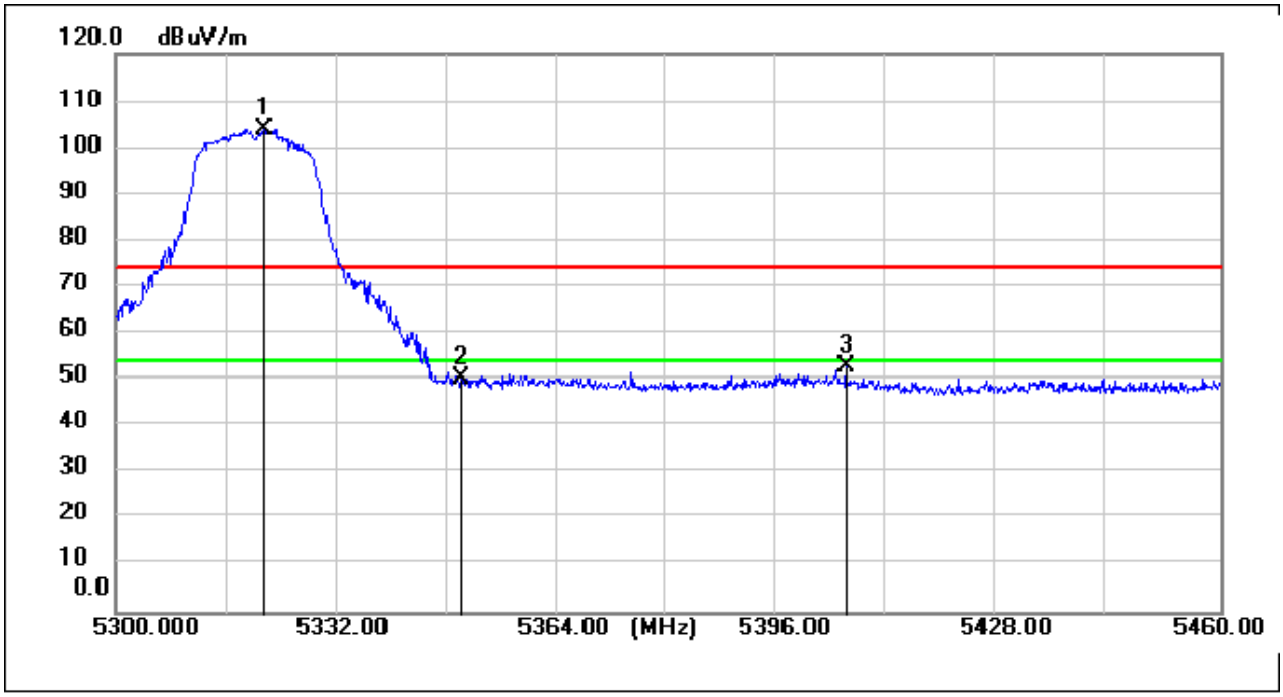
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5318.560	97.13	7.07	104.20	74.00	30.20	peak
2	5350.000	42.40	7.05	49.45	74.00	-24.55	peak
3	5403.840	46.13	7.04	53.17	74.00	-20.83	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



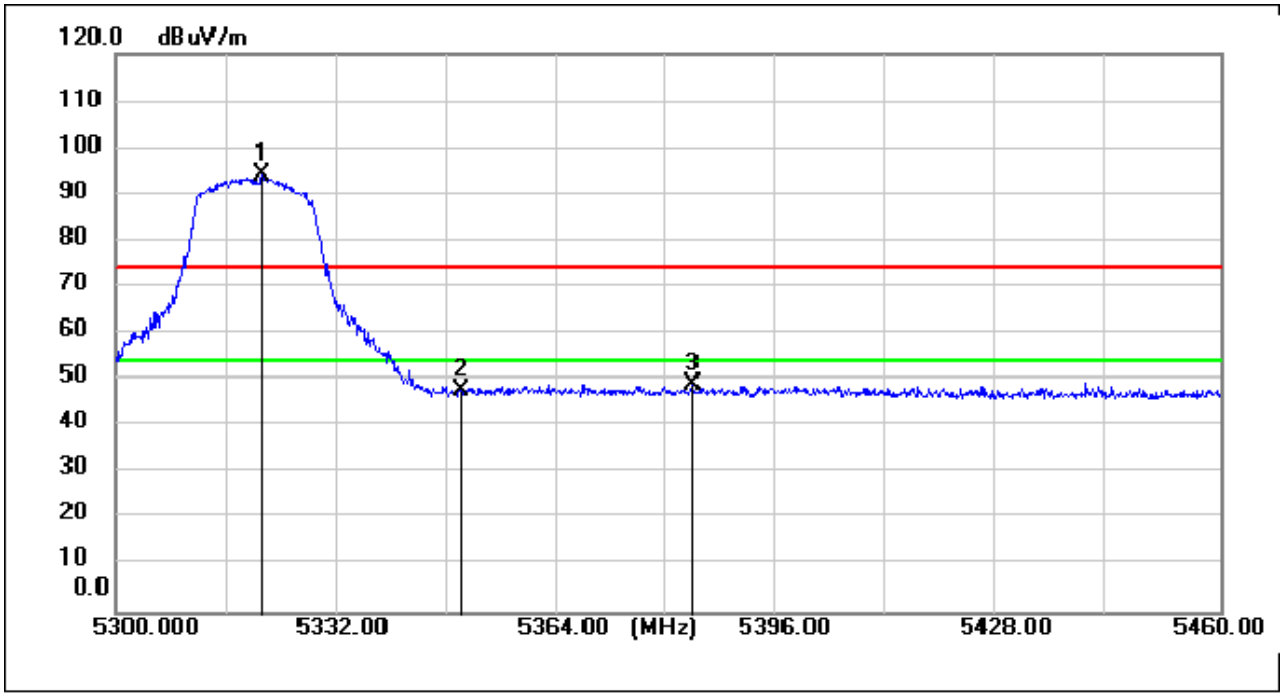
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5319.040	87.34	7.07	94.41	74.00	20.41	peak
2	5350.000	40.52	7.05	47.57	74.00	-26.43	peak
3	5380.000	42.55	7.05	49.60	74.00	-24.40	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



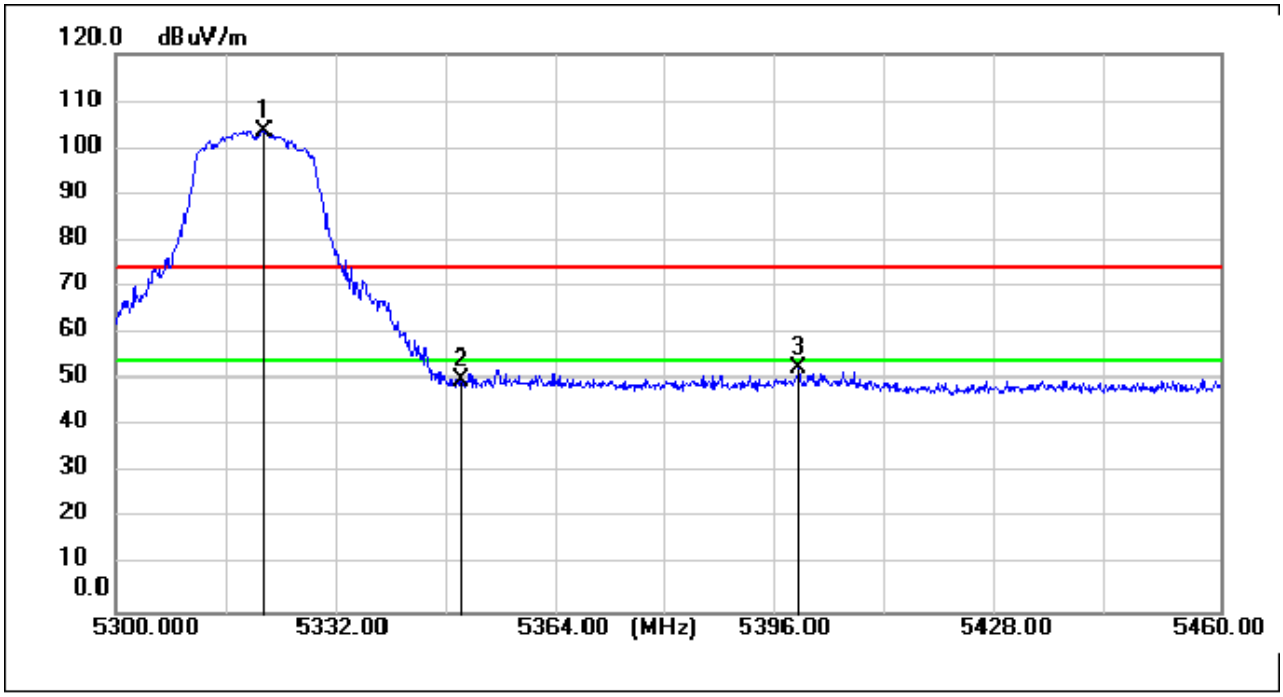
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.440	96.85	7.06	103.91	74.00	29.91	peak
2	5350.000	43.20	7.05	50.25	74.00	-23.75	peak
3	5405.760	45.69	7.03	52.72	74.00	-21.28	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



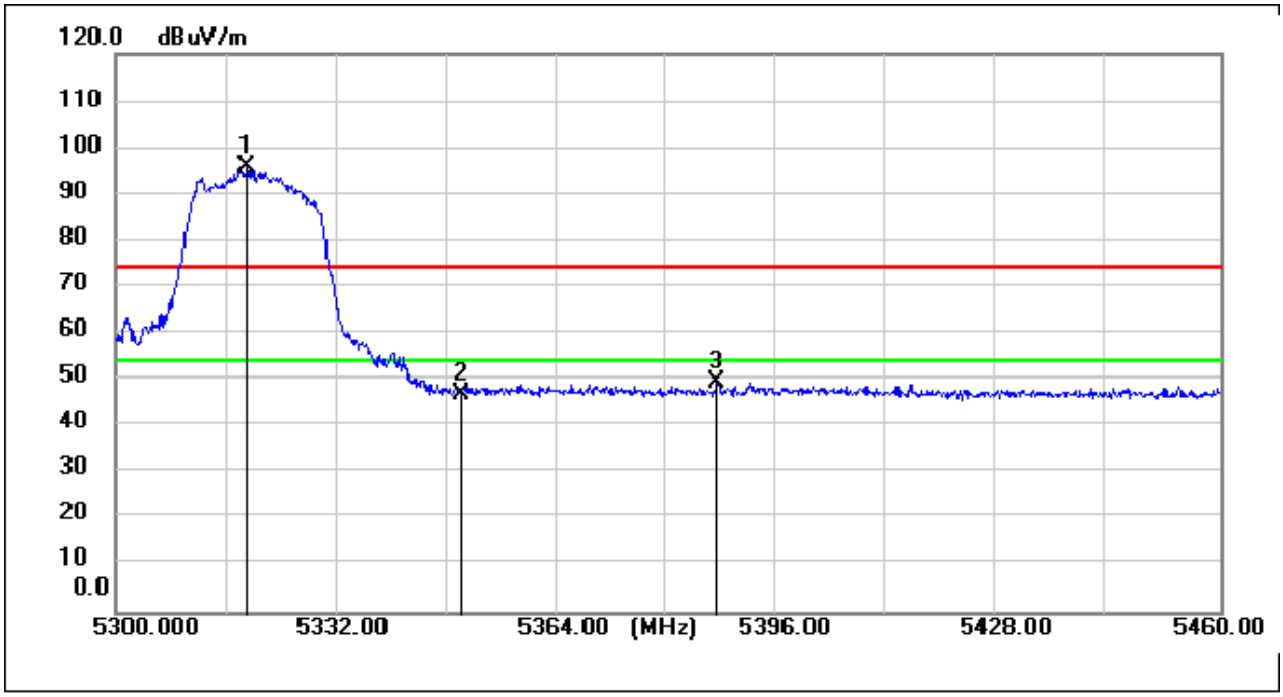
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.120	86.82	7.06	93.88	74.00	19.88	peak
2	5350.000	40.84	7.05	47.89	74.00	-26.11	peak
3	5383.520	42.02	7.04	49.06	74.00	-24.94	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



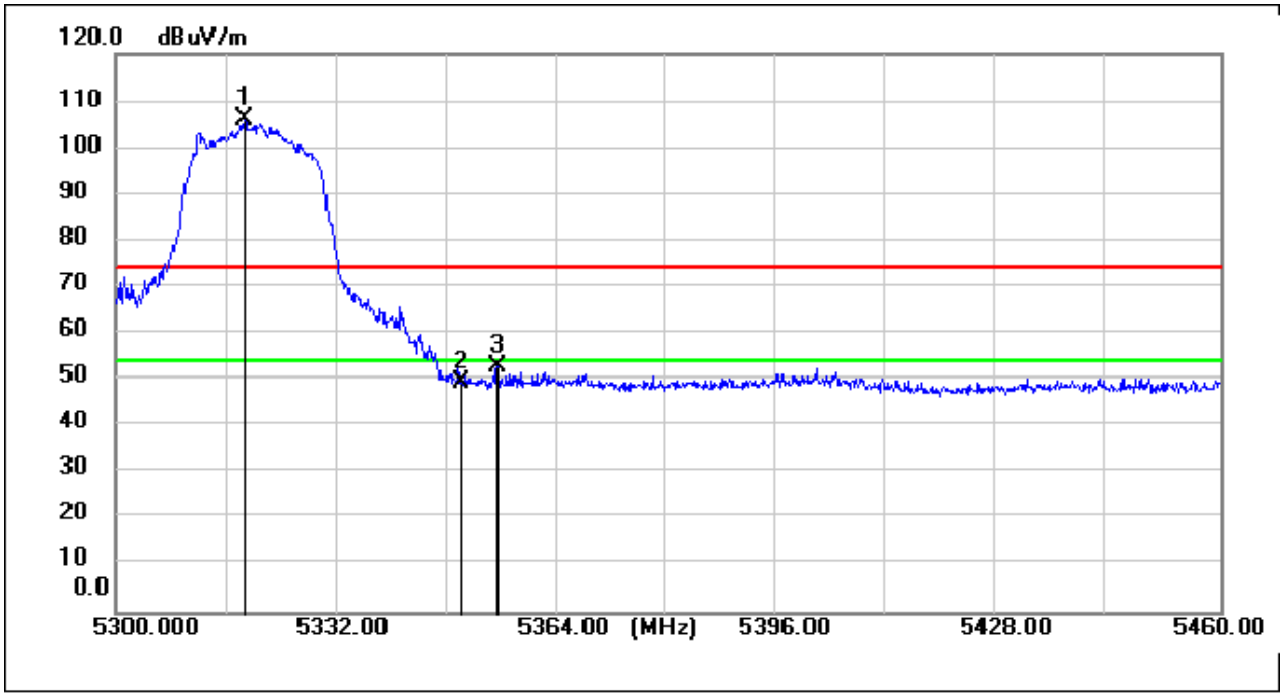
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.440	96.62	7.06	103.68	74.00	29.68	peak
2	5350.000	42.92	7.05	49.97	74.00	-24.03	peak
3	5399.040	45.26	7.03	52.29	74.00	-21.71	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



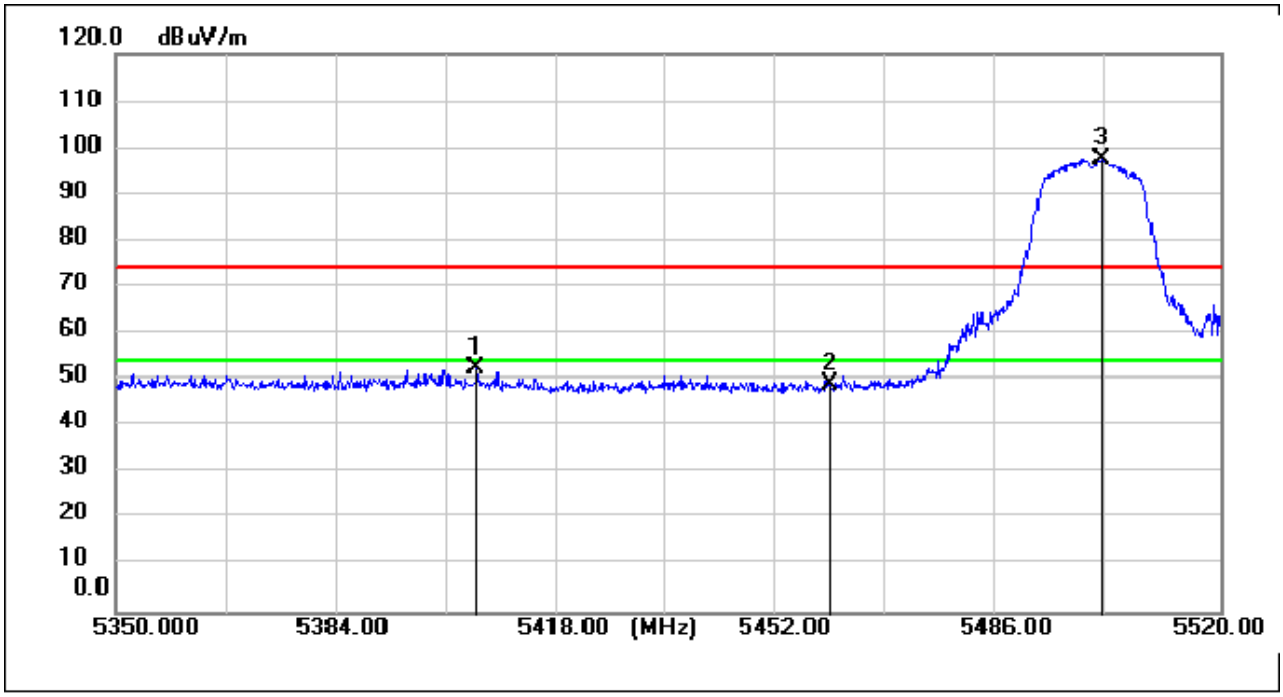
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5319.040	88.56	7.07	95.63	74.00	21.63	peak
2	5350.000	39.89	7.05	46.94	74.00	-27.06	peak
3	5387.200	42.57	7.04	49.61	74.00	-24.39	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



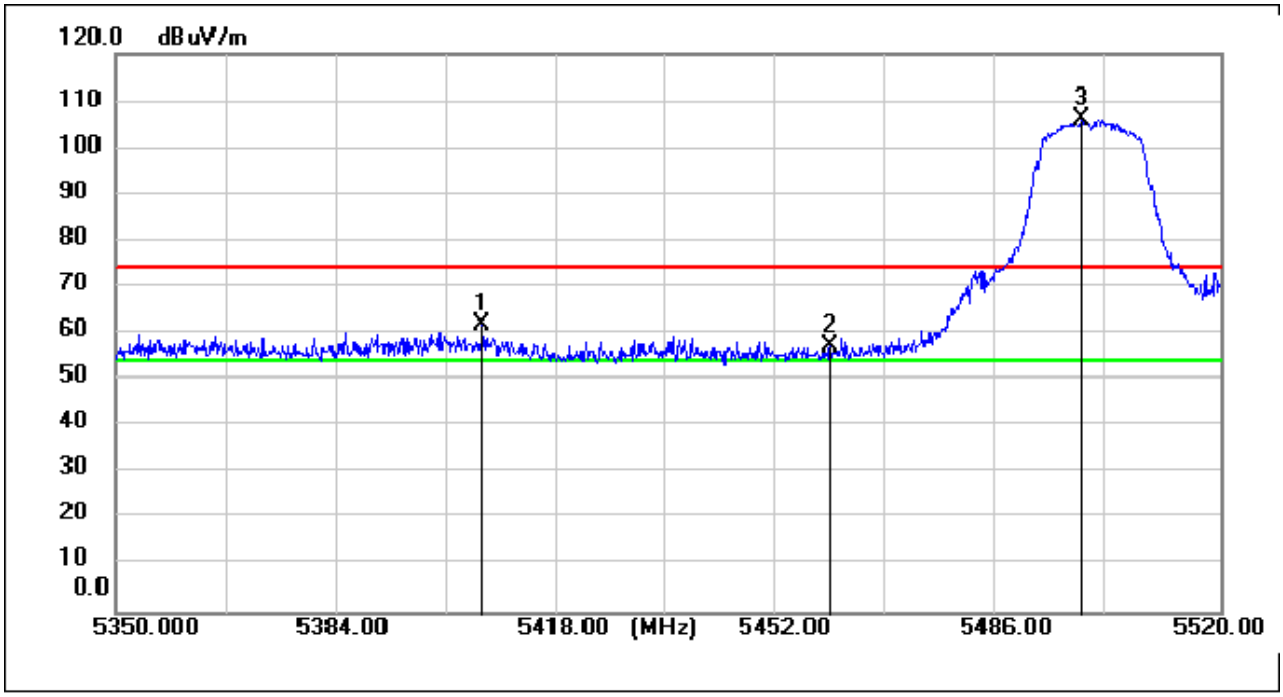
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5318.720	99.08	7.07	106.15	74.00	32.15	peak
2	5350.000	42.64	7.05	49.69	74.00	-24.31	peak
3	5355.200	46.04	7.05	53.09	74.00	-20.91	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



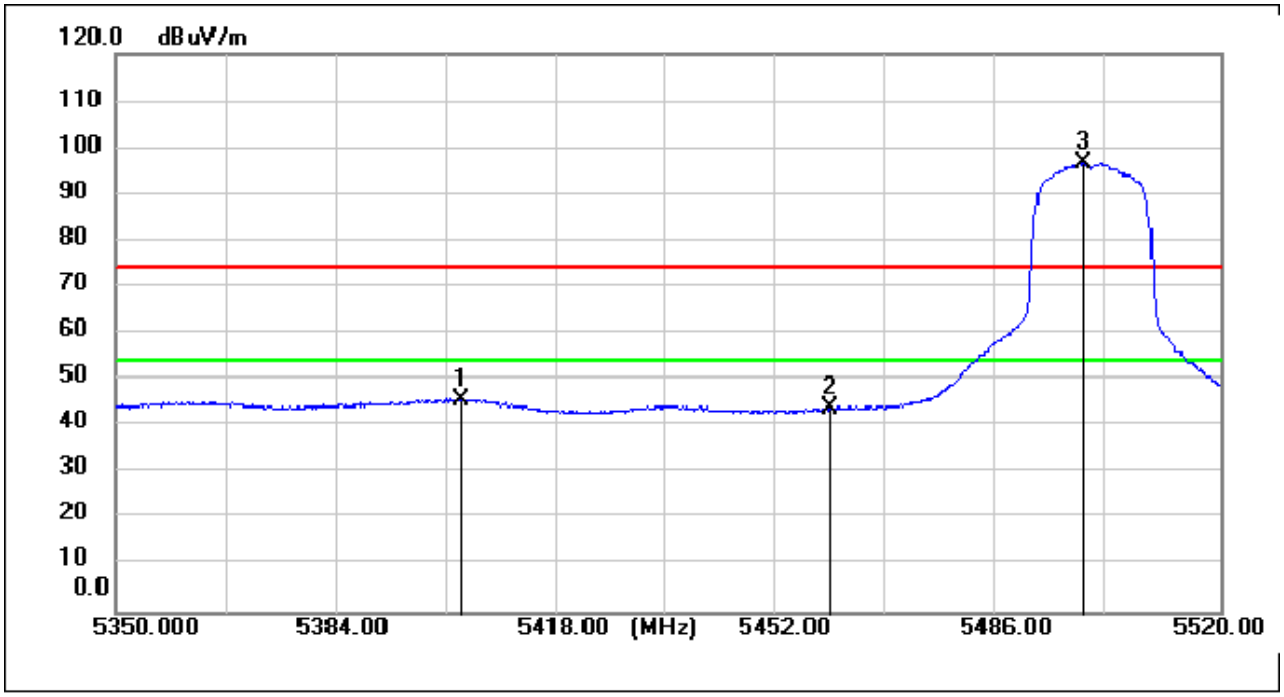
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5405.420	45.40	7.03	52.43	74.00	-21.57	peak
2	5460.000	42.12	7.01	49.13	74.00	-24.87	peak
3	5501.640	90.46	7.00	97.46	74.00	23.46	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



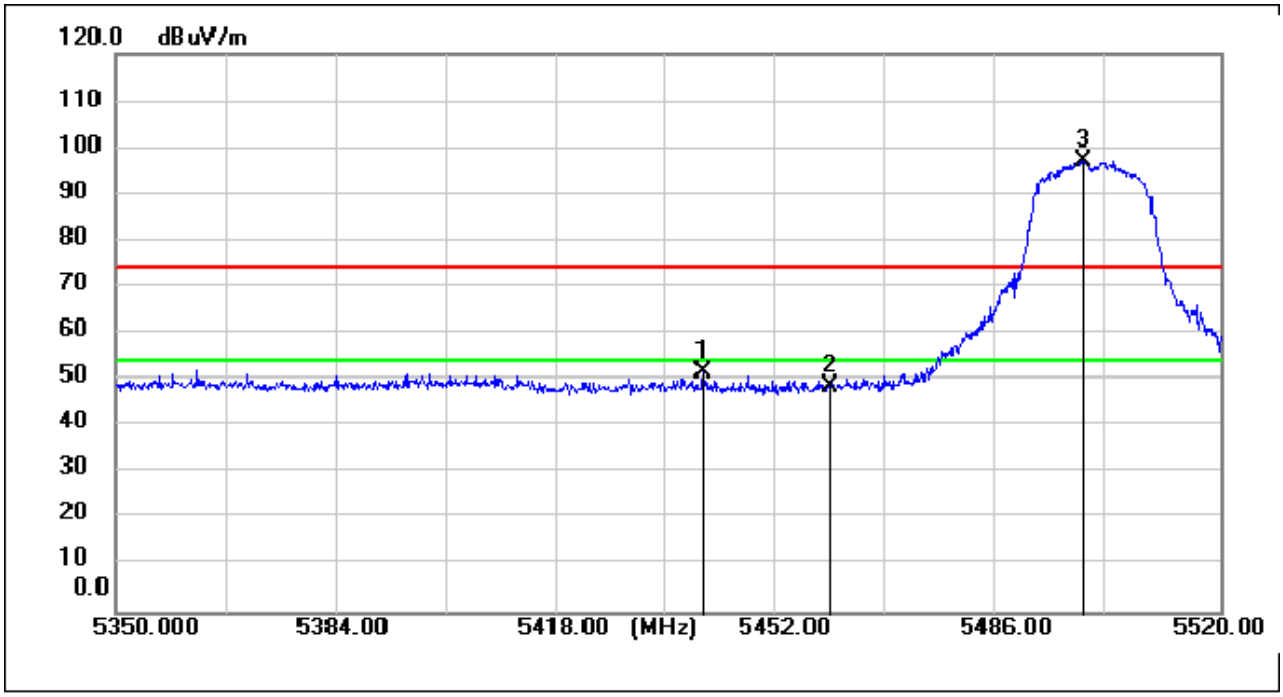
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5406.440	54.80	7.03	61.83	74.00	-12.17	peak
2	5460.000	50.09	7.01	57.10	74.00	-16.90	peak
3	5498.750	99.02	7.00	106.02	74.00	32.02	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



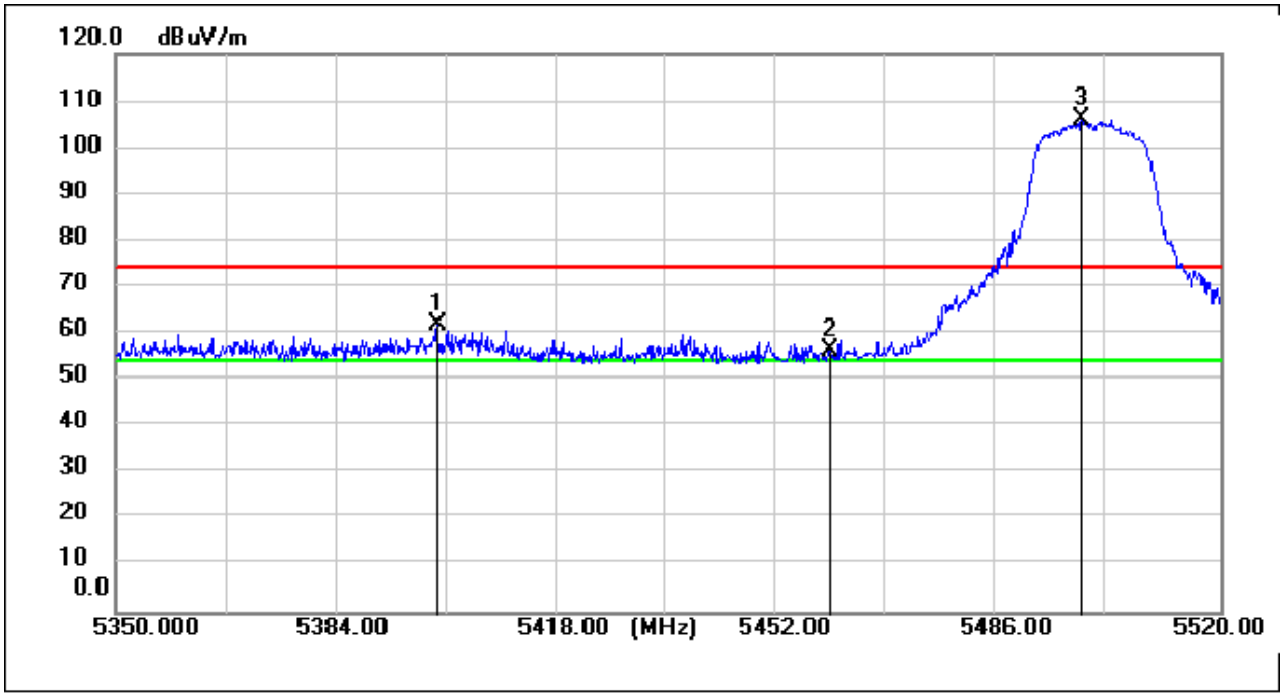
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5403.380	38.72	7.04	45.76	54.00	-8.24	AVG
2	5460.000	36.78	7.01	43.79	54.00	-10.21	AVG
3	5498.920	89.67	7.00	96.67	54.00	42.67	AVG

Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



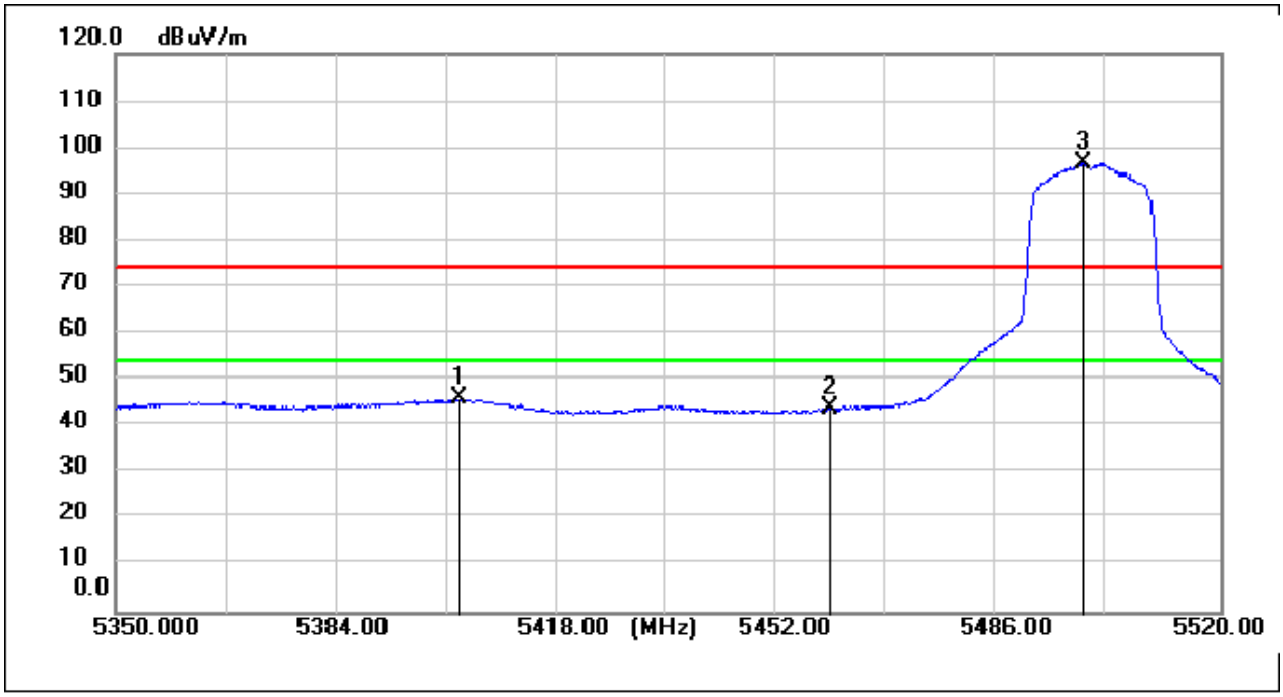
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5440.270	44.67	7.02	51.69	74.00	-22.31	peak
2	5460.000	41.60	7.01	48.61	74.00	-25.39	peak
3	5498.920	90.27	7.00	97.27	74.00	23.27	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



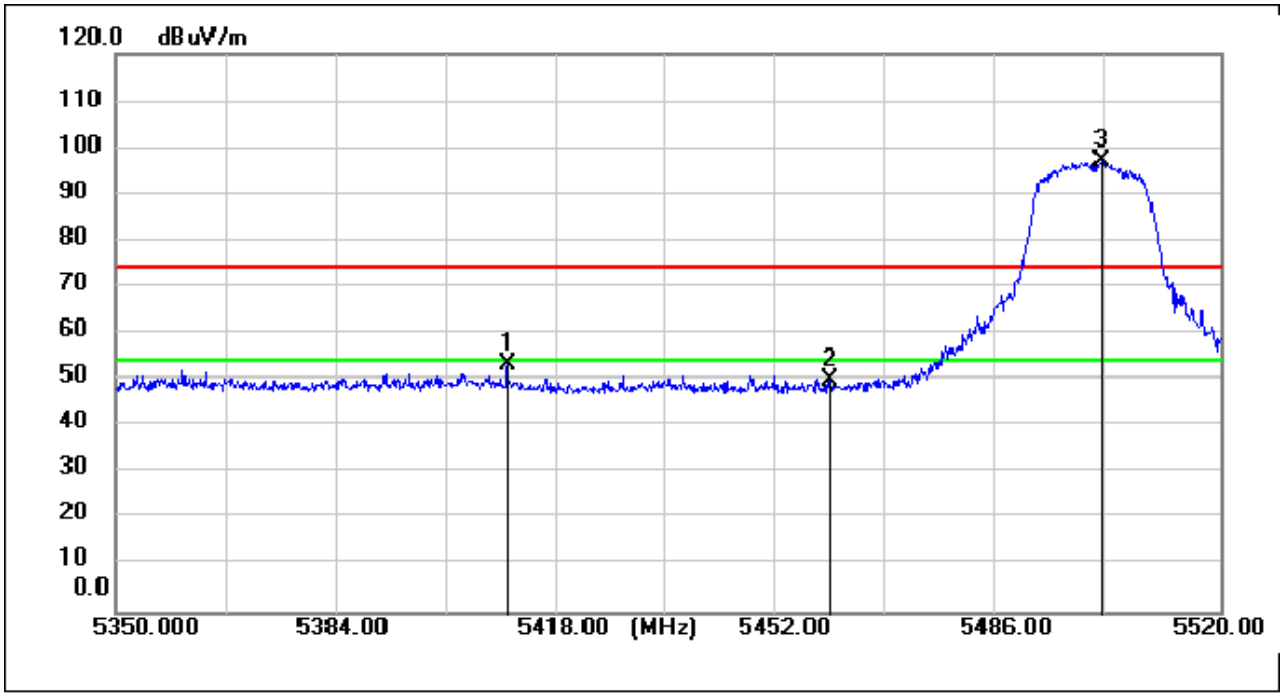
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5399.470	54.96	7.04	62.00	74.00	-12.00	peak
2	5460.000	49.38	7.01	56.39	74.00	-17.61	peak
3	5498.750	99.10	7.00	106.10	74.00	32.10	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



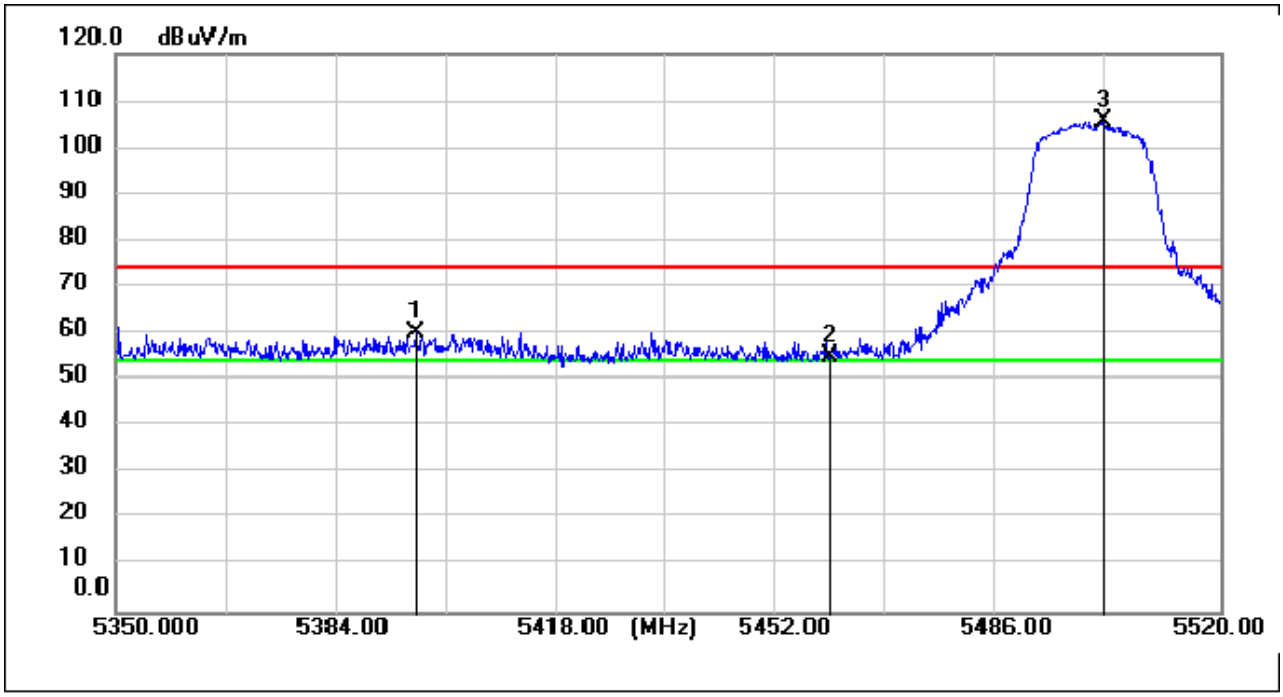
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5403.040	38.82	7.04	45.86	54.00	-8.14	AVG
2	5460.000	36.95	7.01	43.96	54.00	-10.04	AVG
3	5498.920	89.59	7.00	96.59	54.00	42.59	AVG

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



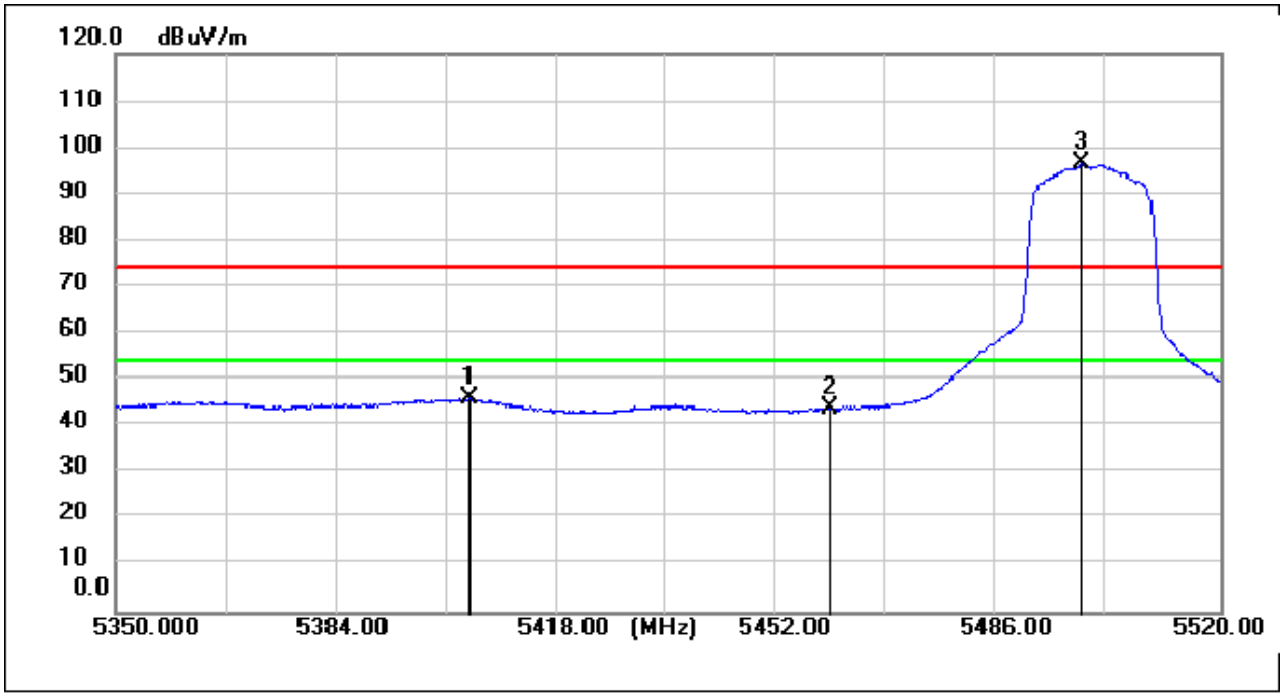
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5410.180	46.51	7.04	53.55	74.00	-20.45	peak
2	5460.000	42.94	7.01	49.95	74.00	-24.05	peak
3	5501.640	90.00	7.00	97.00	74.00	23.00	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



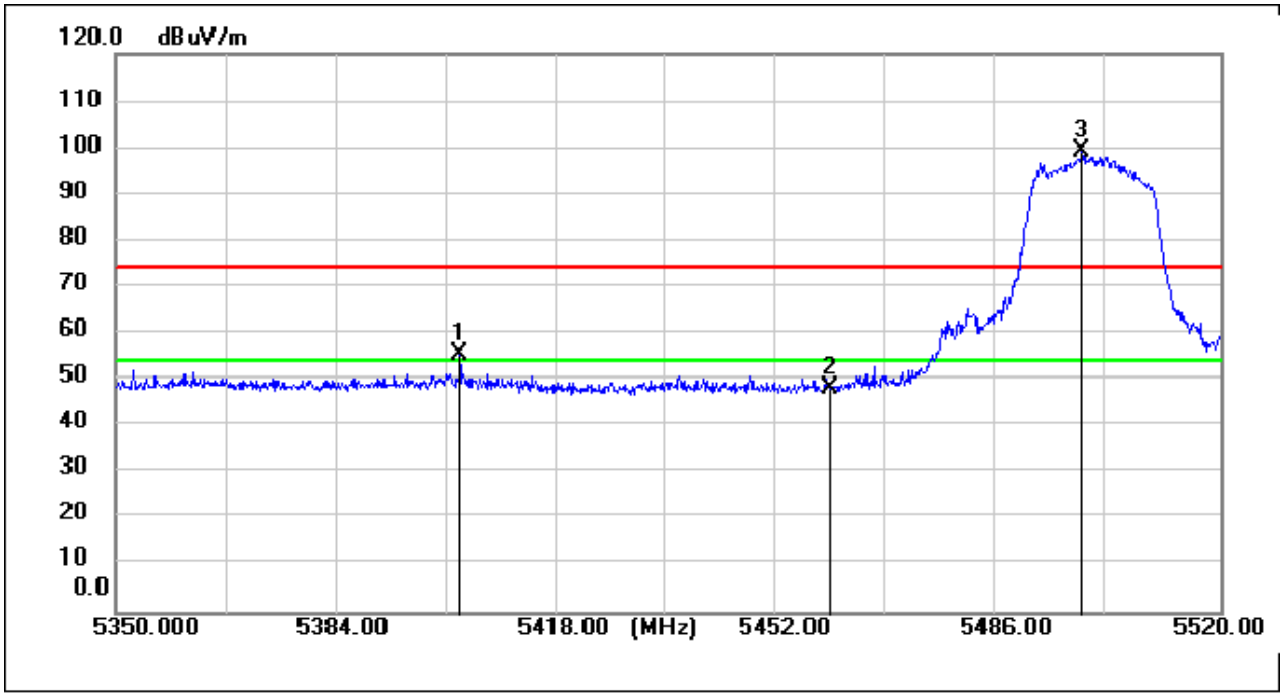
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5396.070	53.30	7.04	60.34	74.00	-13.66	peak
2	5460.000	48.04	7.01	55.05	74.00	-18.95	peak
3	5502.150	98.60	7.00	105.60	74.00	31.60	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



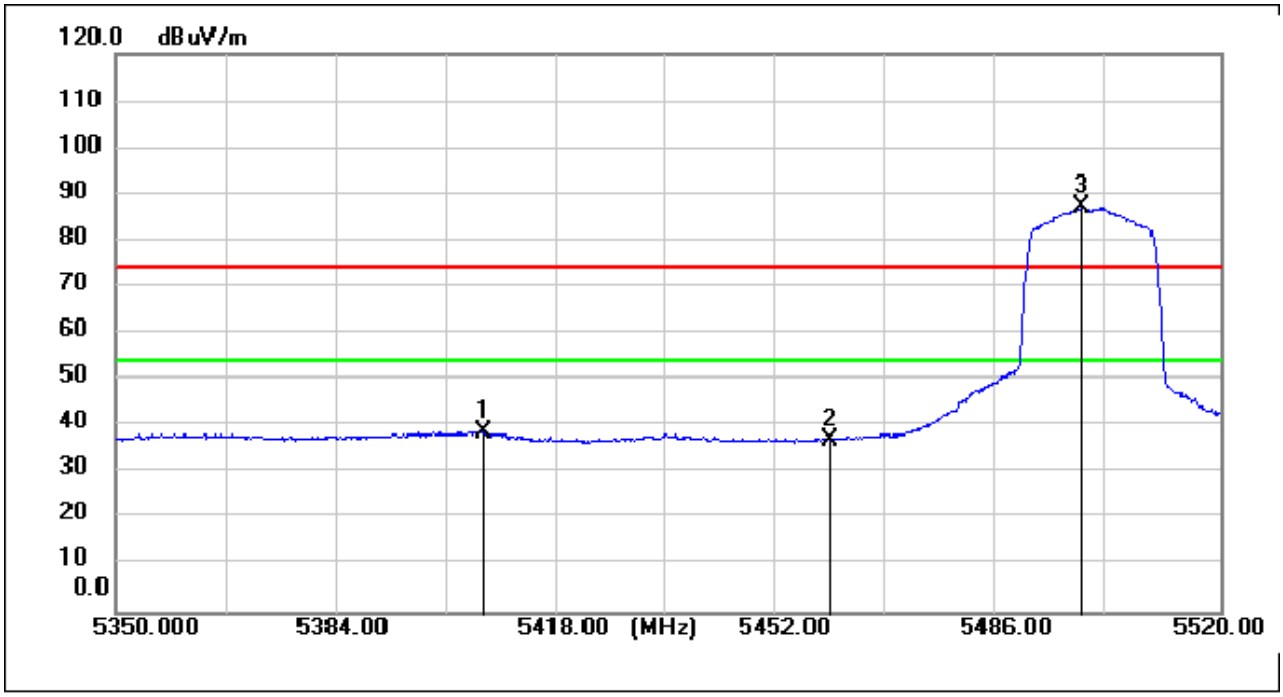
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5404.570	38.94	7.03	45.97	54.00	-8.03	AVG
2	5460.000	36.91	7.01	43.92	54.00	-10.08	AVG
3	5498.750	89.52	7.00	96.52	54.00	42.52	AVG

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5403.040	48.33	7.04	55.37	74.00	-18.63	peak
2	5460.000	41.22	7.01	48.23	74.00	-25.77	peak
3	5498.750	92.33	7.00	99.33	74.00	25.33	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low

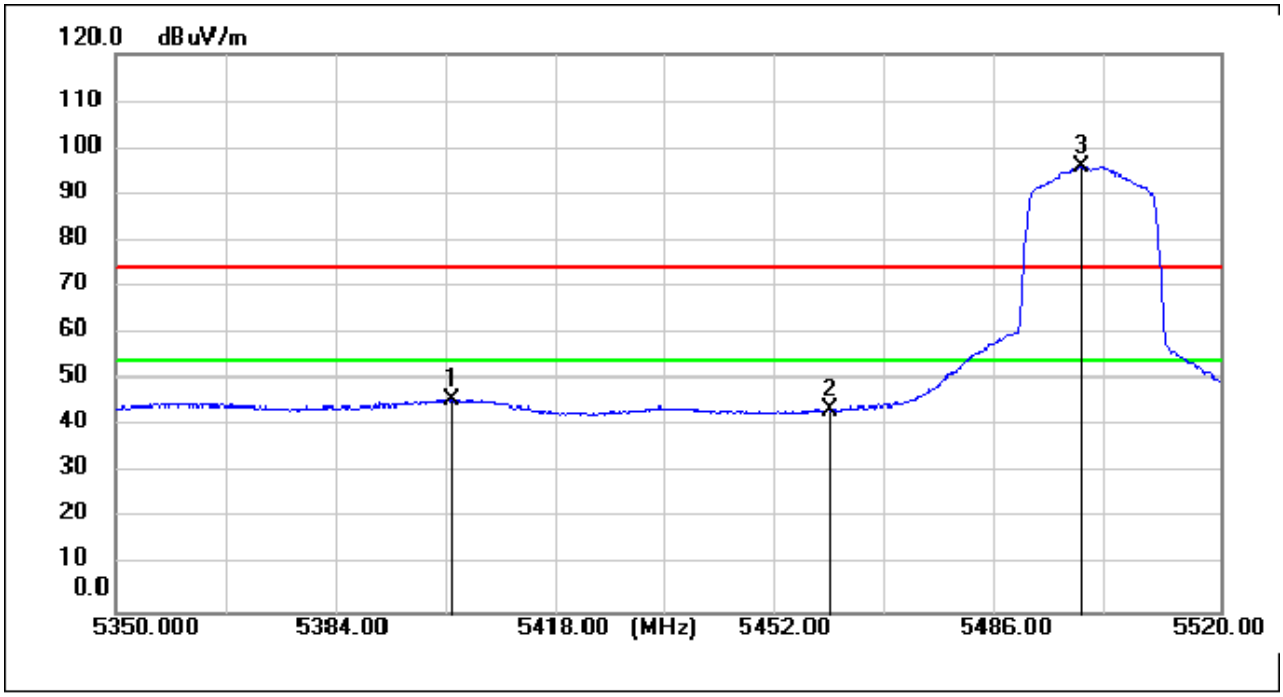


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5406.610	31.87	7.03	38.90	54.00	-15.10	AVG
2	5460.000	30.26	7.01	37.27	54.00	-16.73	AVG
3	5498.750	80.17	7.00	87.17	54.00	33.17	AVG

Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low

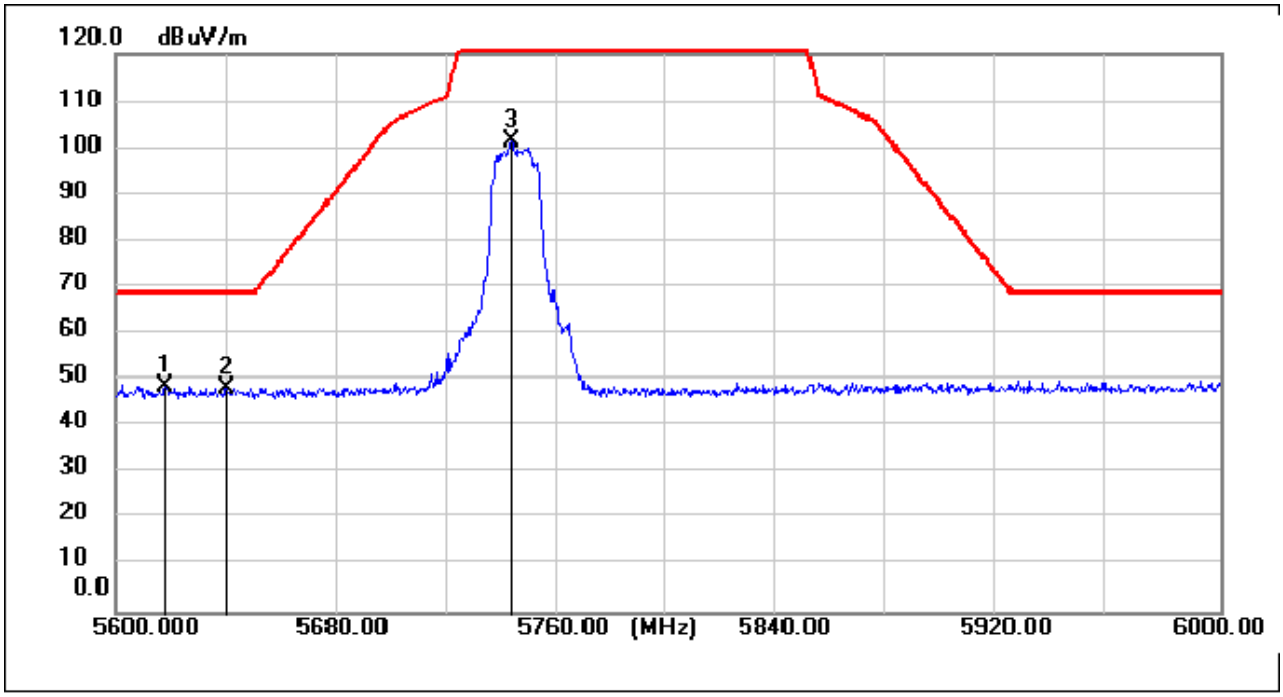
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5405.760	53.31	7.03	60.34	74.00	-13.66	peak
2	5460.000	47.15	7.01	54.16	74.00	-19.84	peak
3	5498.750	100.44	7.00	107.44	74.00	33.44	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



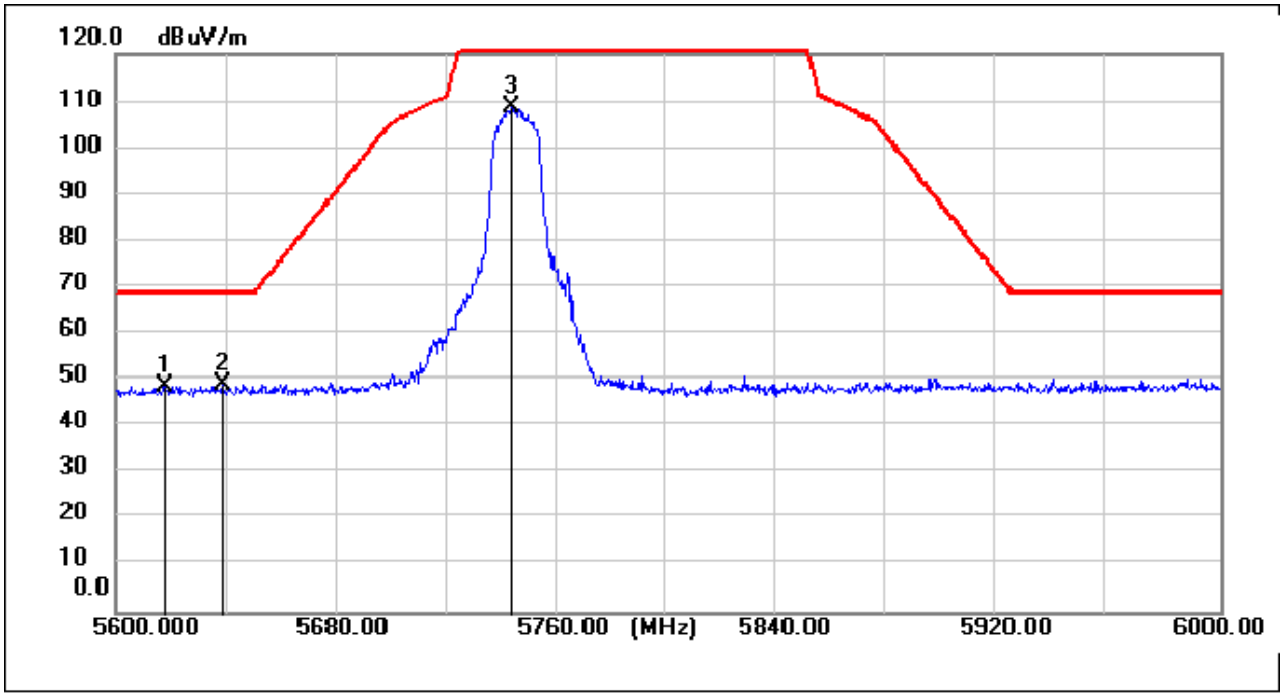
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5401.680	38.79	7.04	45.83	54.00	-8.17	AVG
2	5460.000	36.62	7.01	43.63	54.00	-10.37	AVG
3	5498.580	88.84	7.00	95.84	54.00	41.84	AVG

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



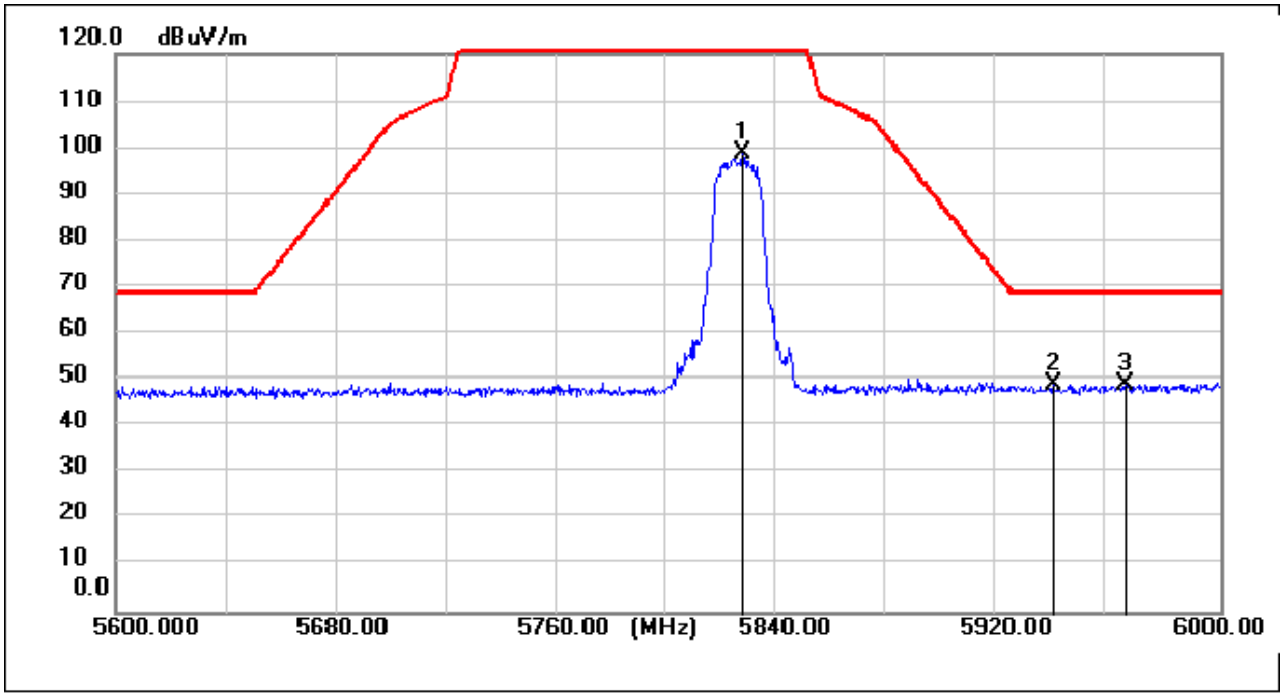
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5617.600	41.42	7.12	48.54	68.20	-19.66	peak
2	5640.000	41.17	7.18	48.35	68.20	-19.85	peak
3	5743.200	94.11	7.41	101.52	135.00	-33.48	peak

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



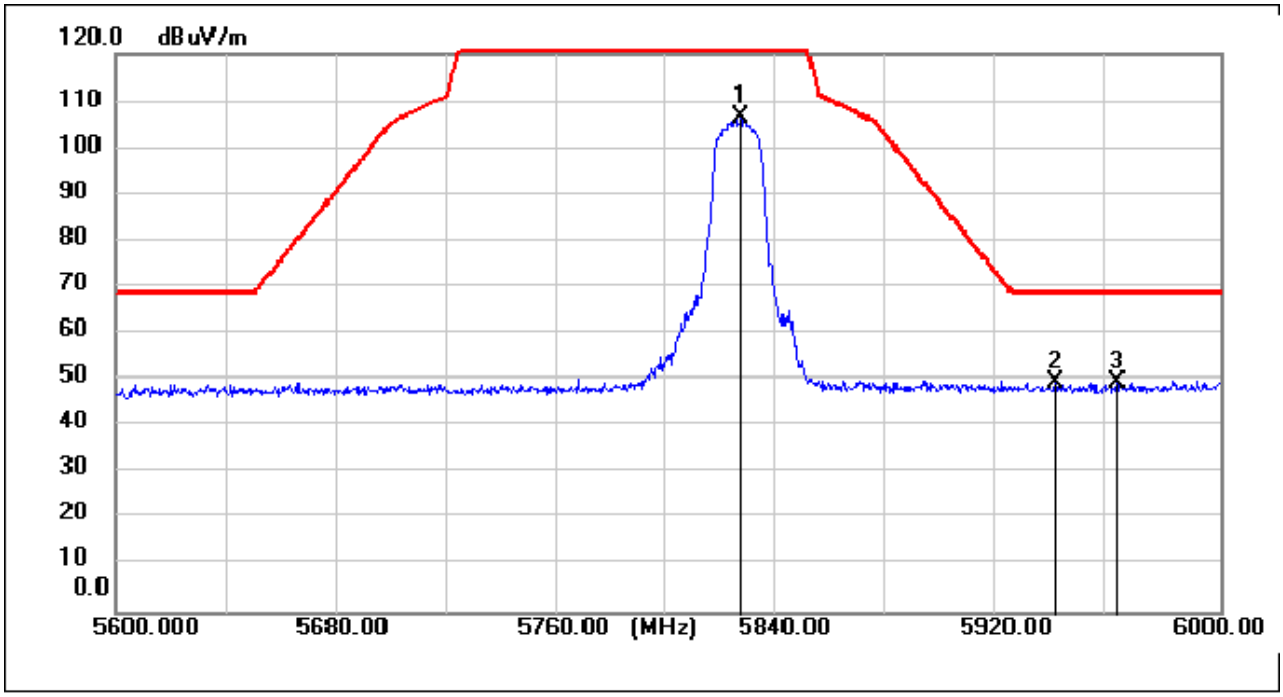
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5617.600	41.58	7.12	48.70	68.20	-19.50	peak
2	5638.400	41.93	7.17	49.10	68.20	-19.10	peak
3	5743.600	101.15	7.41	108.56	135.00	-26.44	peak

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



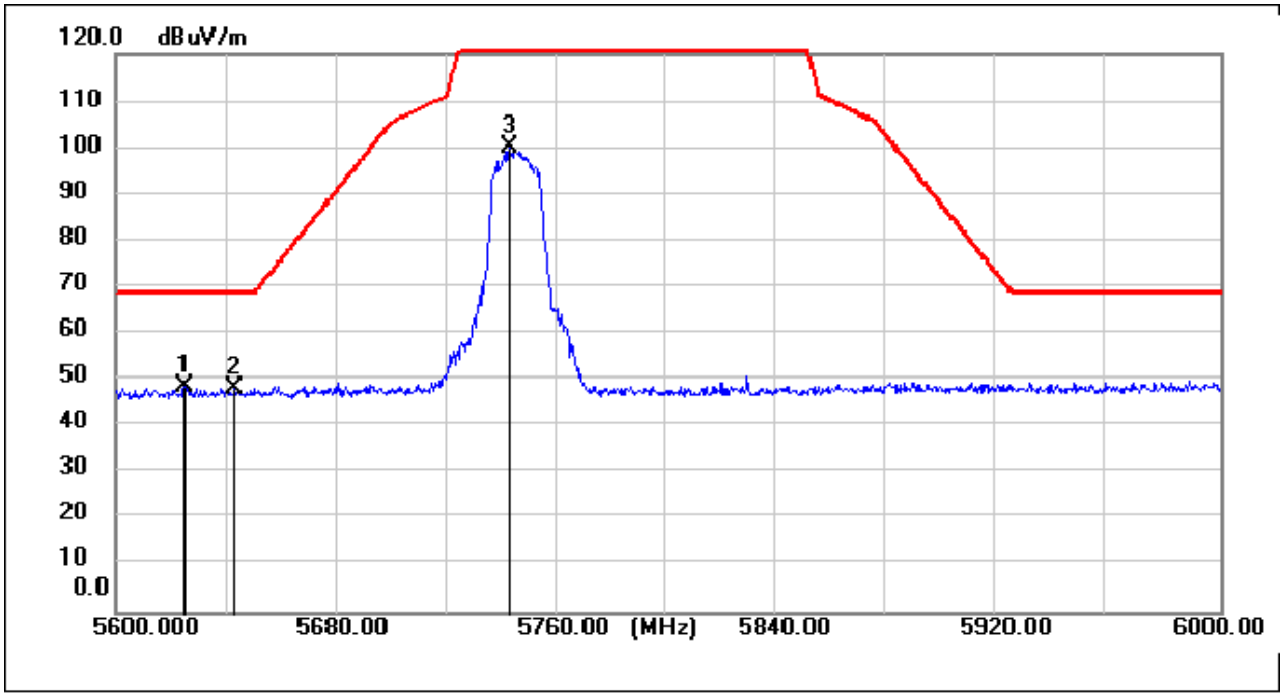
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5827.200	90.98	7.61	98.59	135.00	-36.41	peak
2	5939.600	41.12	7.88	49.00	68.20	-19.20	peak
3	5966.000	41.23	7.94	49.17	68.20	-19.03	peak

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



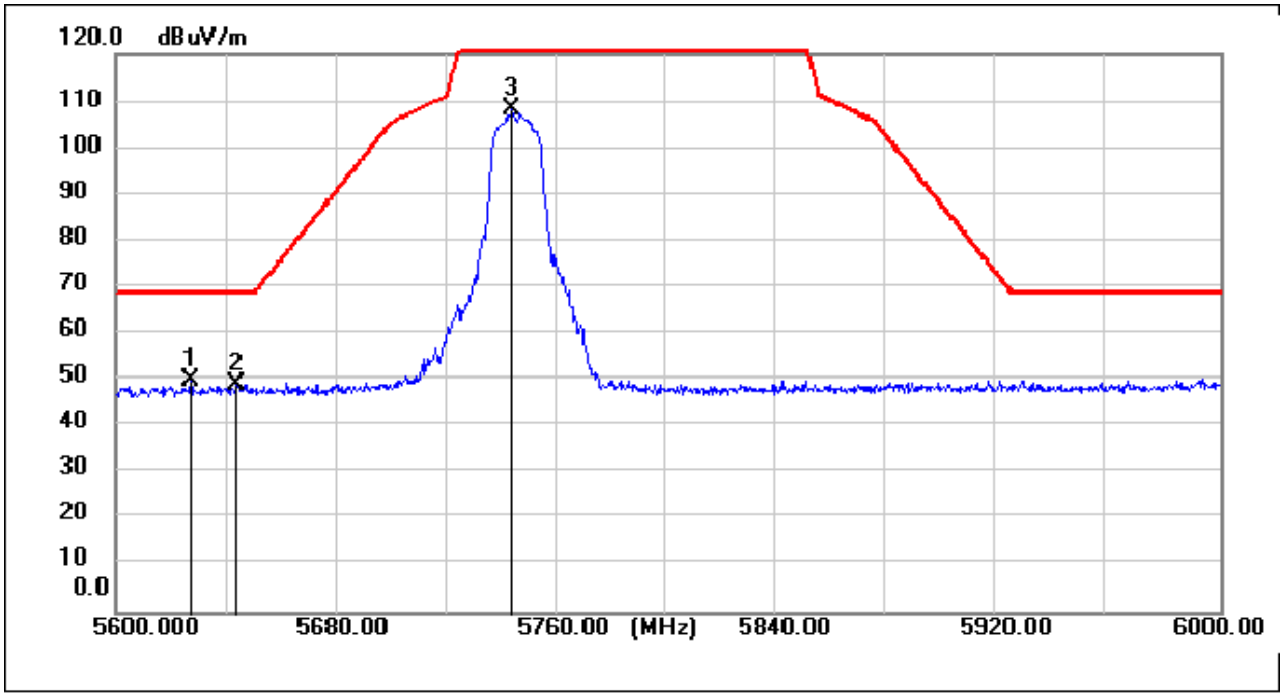
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5826.400	98.79	7.62	106.41	135.00	-28.59	peak
2	5940.400	41.54	7.88	49.42	68.20	-18.78	peak
3	5962.800	41.70	7.93	49.63	68.20	-18.57	peak

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



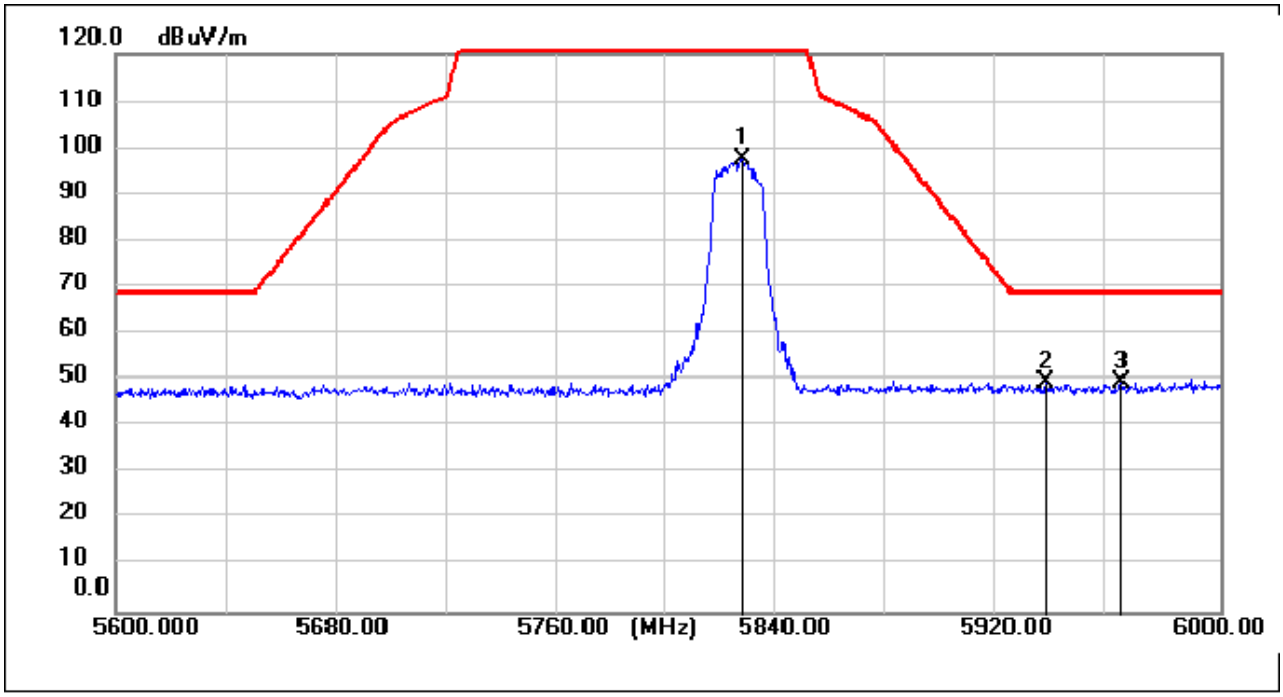
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5625.200	41.64	7.14	48.78	68.20	-19.42	peak
2	5643.200	40.99	7.18	48.17	68.20	-20.03	peak
3	5742.400	92.52	7.41	99.93	135.00	-35.07	peak

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



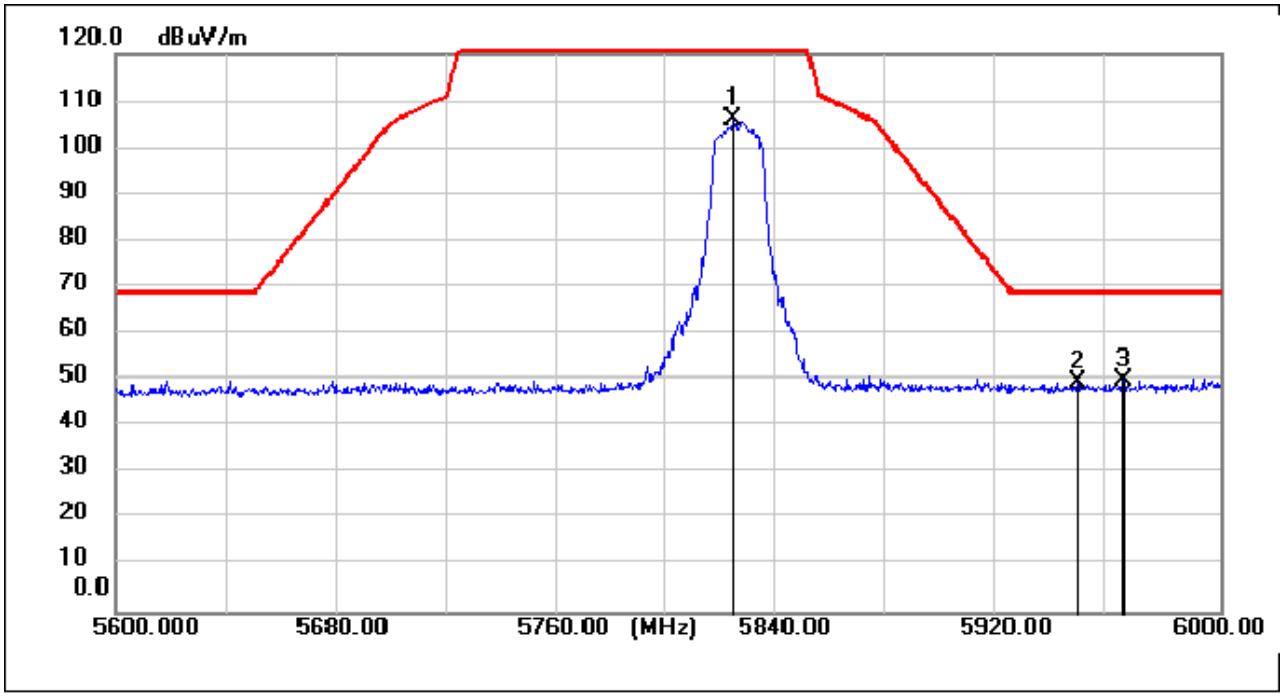
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5626.800	42.85	7.15	50.00	68.20	-18.20	peak
2	5644.000	41.96	7.18	49.14	68.20	-19.06	peak
3	5743.600	100.68	7.41	108.09	135.00	-26.91	peak

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



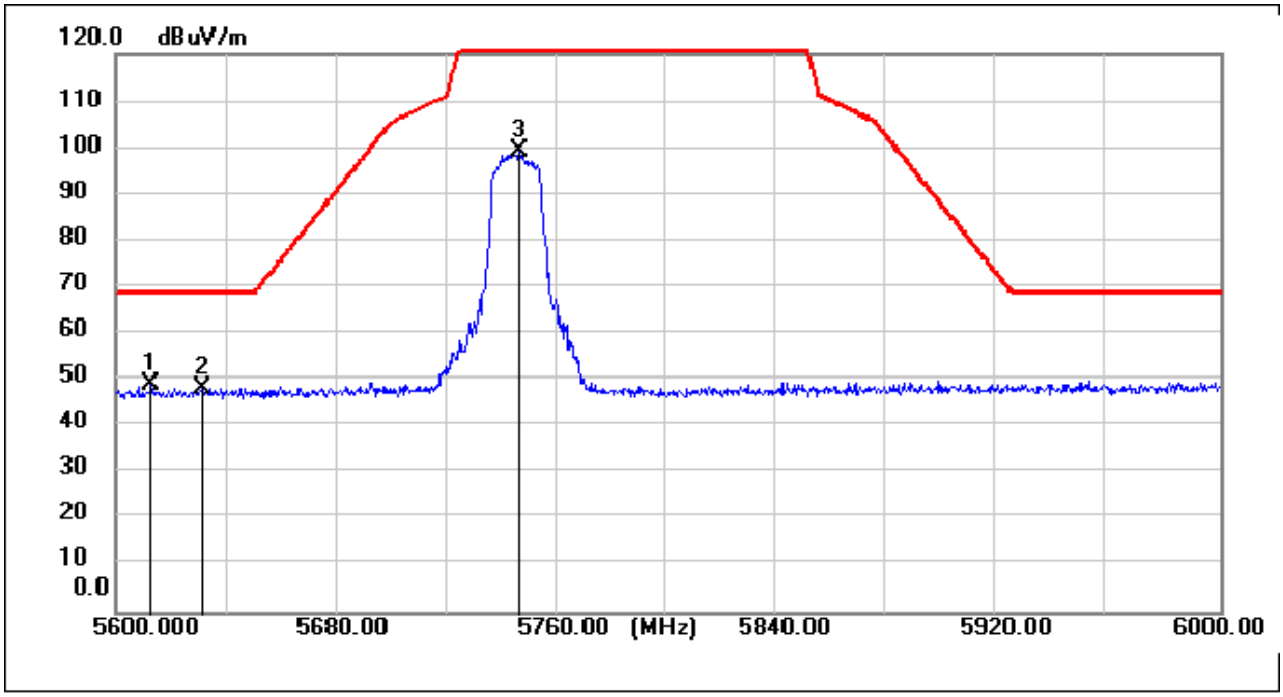
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5827.200	89.85	7.61	97.46	135.00	-37.54	peak
2	5936.800	41.44	7.87	49.31	68.20	-18.89	peak
3	5964.000	41.69	7.94	49.63	68.20	-18.57	peak

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



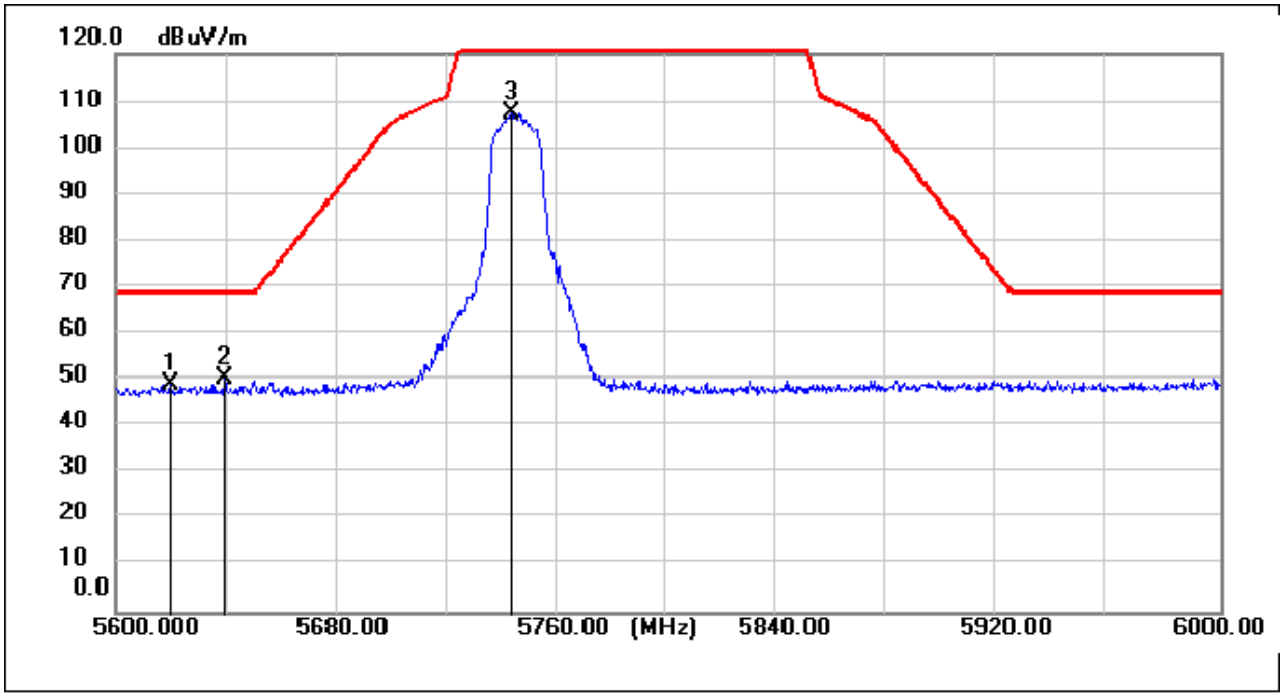
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.600	98.33	7.61	105.94	135.00	-29.06	peak
2	5948.400	41.71	7.90	49.61	68.20	-18.59	peak
3	5965.200	42.07	7.94	50.01	68.20	-18.19	peak

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



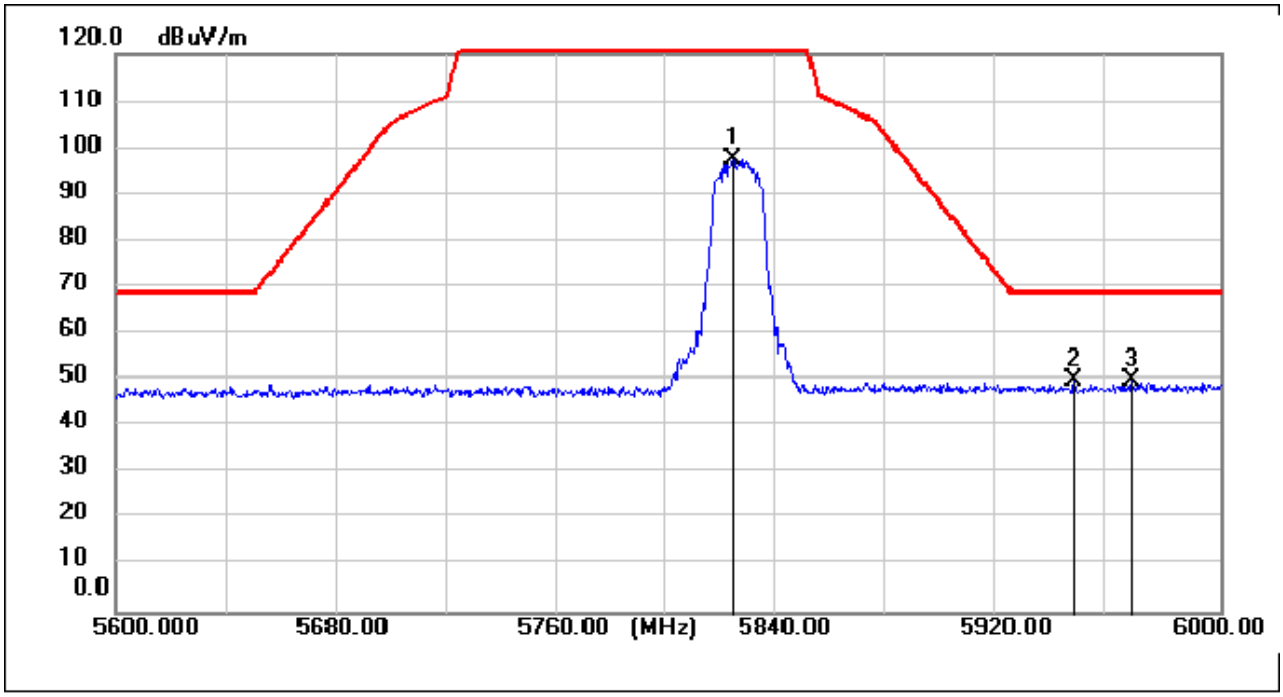
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5612.800	41.92	7.11	49.03	68.20	-19.17	peak
2	5631.200	41.14	7.15	48.29	68.20	-19.91	peak
3	5746.000	91.89	7.42	99.31	135.00	-35.69	peak

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



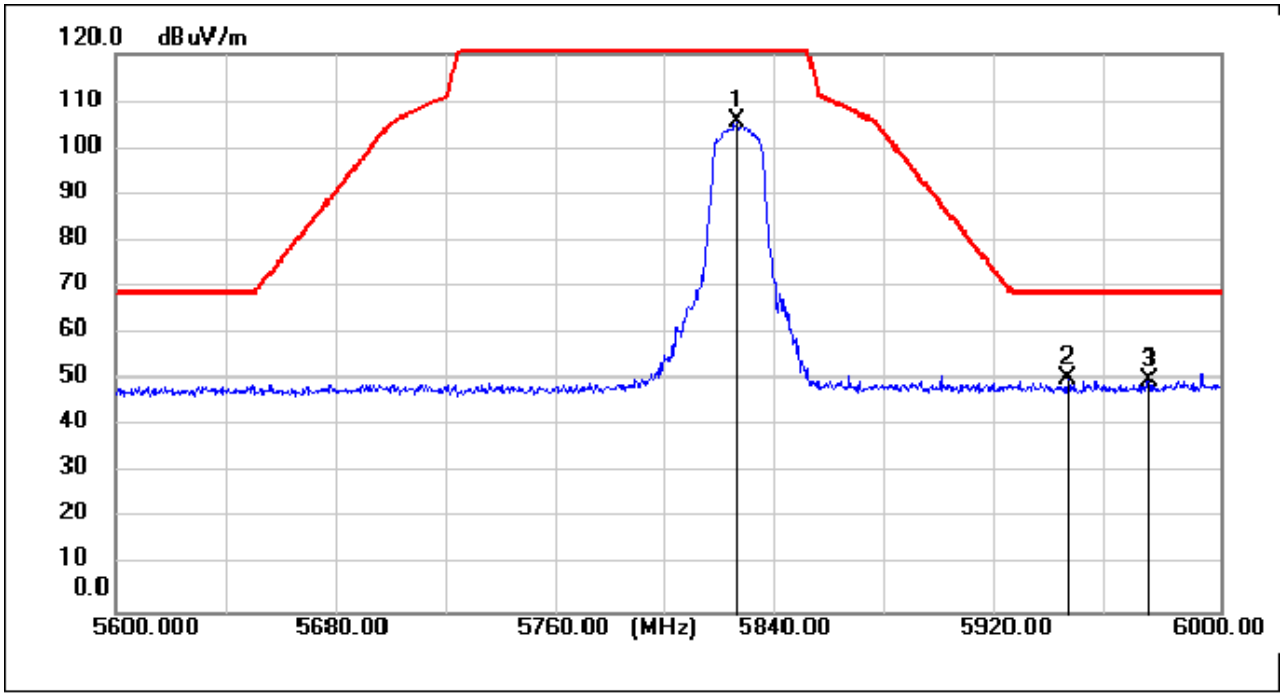
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5620.000	41.83	7.12	48.95	68.20	-19.25	peak
2	5639.600	42.98	7.17	50.15	68.20	-18.05	peak
3	5743.200	99.92	7.41	107.33	135.00	-27.67	peak

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



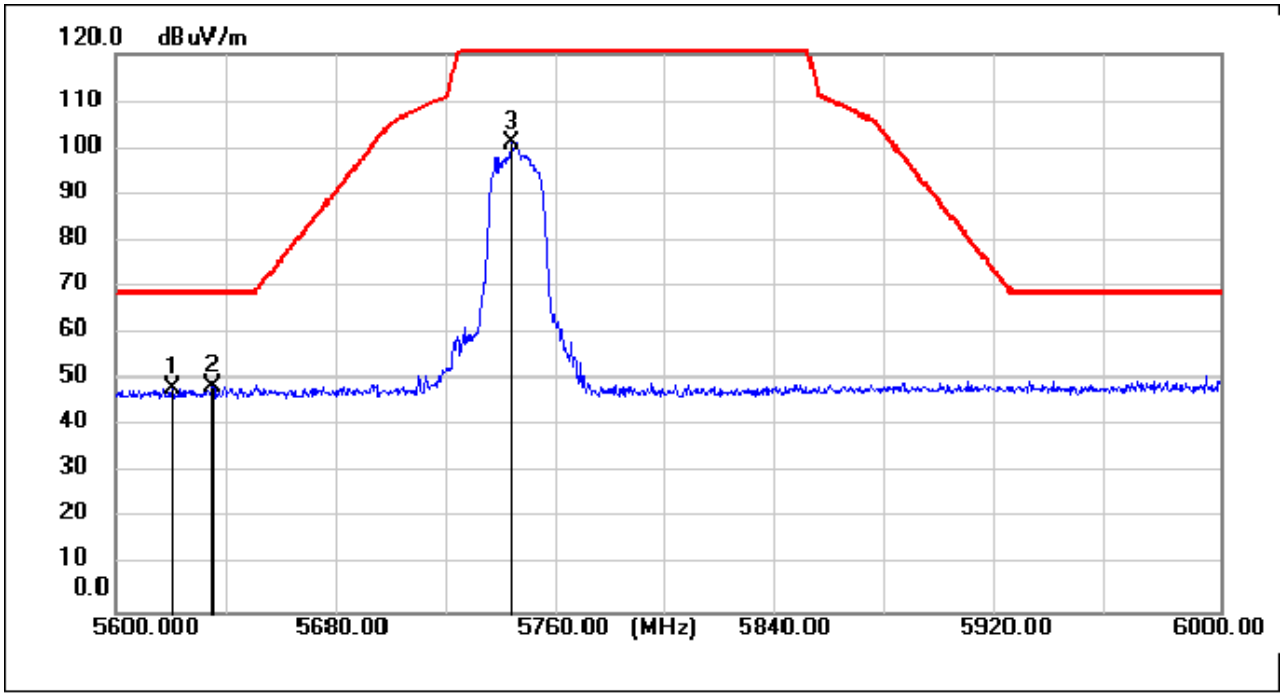
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.600	89.75	7.61	97.36	135.00	-37.64	peak
2	5946.800	41.84	7.90	49.74	68.20	-18.46	peak
3	5967.600	41.81	7.94	49.75	68.20	-18.45	peak

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



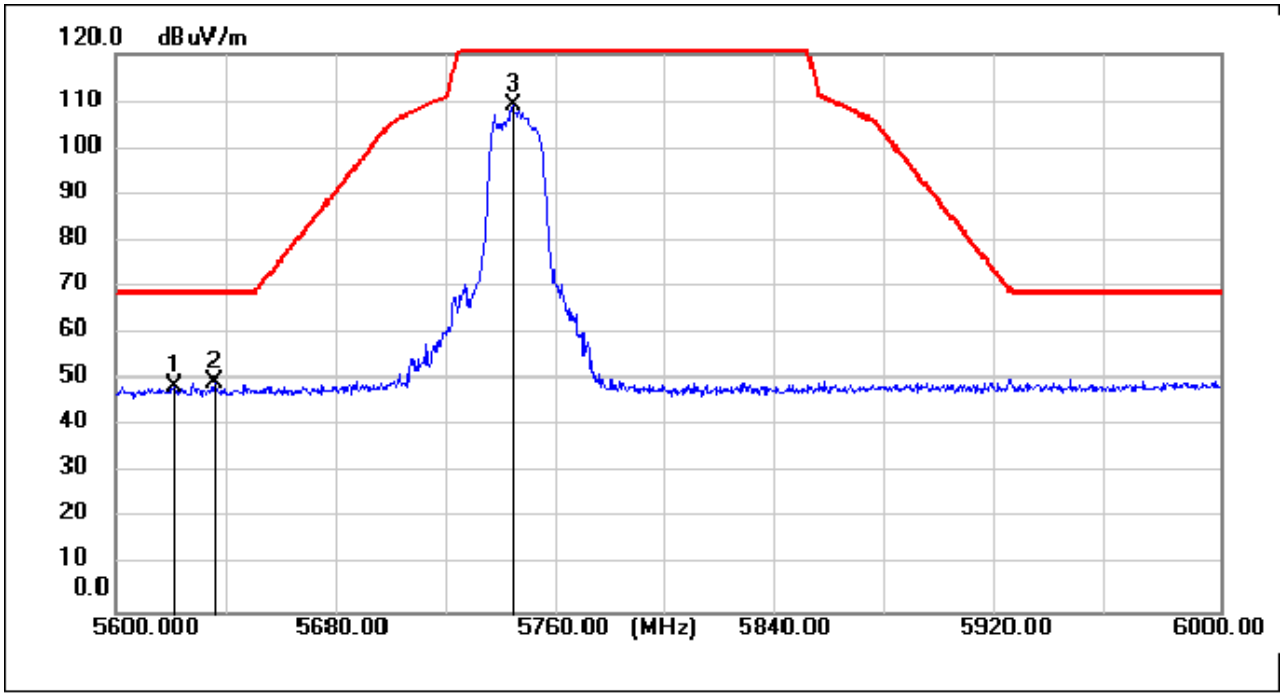
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5825.200	97.89	7.61	105.50	135.00	-29.50	peak
2	5944.800	42.46	7.89	50.35	68.20	-17.85	peak
3	5974.400	41.94	7.96	49.90	68.20	-18.30	peak

Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



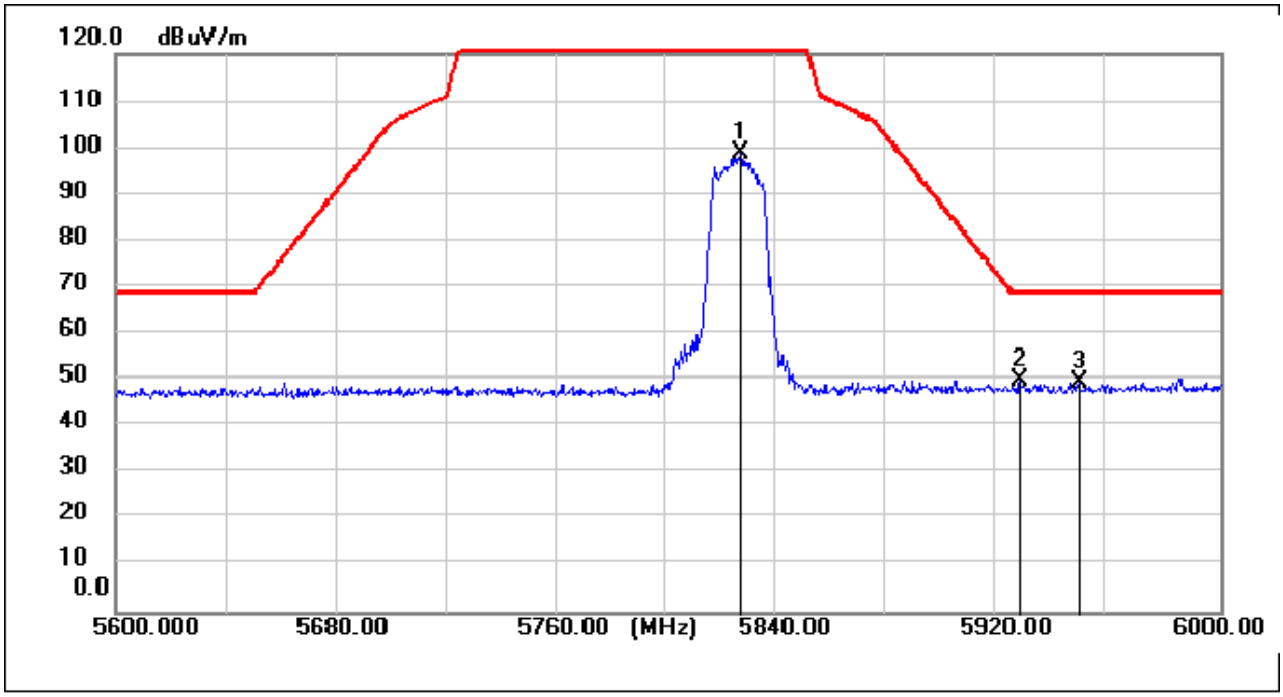
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5620.400	41.23	7.12	48.35	68.20	-19.85	peak
2	5635.200	41.46	7.16	48.62	68.20	-19.58	peak
3	5743.600	93.70	7.41	101.11	135.00	-33.89	peak

Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



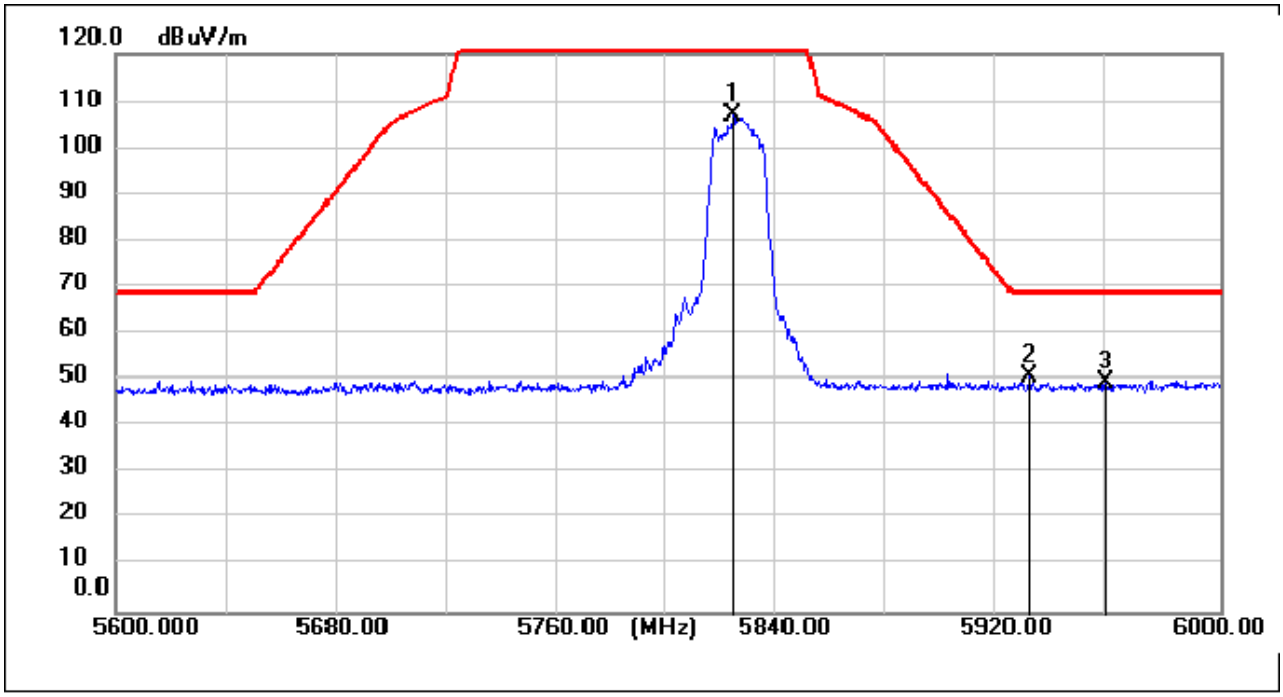
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5621.600	41.38	7.13	48.51	68.20	-19.69	peak
2	5636.000	42.36	7.16	49.52	68.20	-18.68	peak
3	5744.000	101.86	7.42	109.28	135.00	-25.72	peak

Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); 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	91.17	7.62	98.79	135.00	-36.21	peak
2	5927.200	41.96	7.84	49.80	68.20	-18.40	peak
3	5948.800	41.65	7.90	49.55	68.20	-18.65	peak

Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.600	99.24	7.61	106.85	135.00	-28.15	peak
2	5931.200	42.81	7.86	50.67	68.20	-17.53	peak
3	5958.800	41.54	7.92	49.46	68.20	-18.74	peak