FCC RADIO TEST REPORT

Applicant	:	Kaijet Technology International Corporation
Address	:	8F., No. 109, Zhongcheng Road, Tucheng Dist., New Taipei City, Taiwan R.O.C
Equipment	:	4K Wireless Display HDMI Extender
Model No.	:	JVAW75 RX
Trade Name	:	j5create
FCC ID.	:	2AD37JVAW75RX
Standard	:	FCC part 15 Subpart E §15.407

I HEREBY CERTIFY THAT :

The sample was received on Apr. 24, 2023 and the testing was completed on May. 12, 2023 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Leevin Li /Supervisor

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History of this test report

■ Original.

☐ Additional attachment as following record:

Report No.	Issue Date	Description
DEDG22304116	May. 17, 2023	Initial Issue

1. Summary of Test Procedure and Test Results

1.1. Applicable Standards

ANSI C63.10:2013
FCC Rules and Regulations Part 15 Subpart E §15.407
KDB 789033

FCC Rule	Description of Test	Result
15.203	Antenna Requirement	PASS
15.207(a)	AC Power Line Conducted Emission	PASS
15.407(b) 15.209	Radiated Spurious Emission	PASS
15.407(a)	26 dB & Occupied Bandwidth	PASS
15.407 (a) & (a)(3)	Average Power	PASS
15.407(a)	Power Spectral Density	PASS
15.407(g)	Frequency Stability	PASS
15.407(c)	Automatically Discontinue Transmission	PASS
Note: Deviations Yes ☐ No ■ *The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement.		

2. Test Configuration of Equipment under Test

2.1. Feature of Equipment and Model Description

Equipment	4K Wireless Display HDMI Extender
Model Name	JVAW75 RX
Model Discrepancy	N/A
Chipset	RTL8821CU
Frequency Range	WIFI 2.4G: 2400MHz-2483.5MHz WIFI 5G: 5150MHz-5250MHz, 5725MHz -5850MHz
Modulation Type	2.4GHz 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM 5GHz 802.11a/n: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Data Rate	WIFI 2.4GHz: 802.11b: 1, 2 ,5.5,11Mbps 802.11g: 6,9,12,18,24,36,48,54Mbps 802.11n: HT20 reach up to72.2Mbps, HT40 reach up to150Mbps WIFI 5GHz: 802.11a: 6,9,12,18,24,36,48,54Mbps 802.11n: HT20 reach up to 72.2Mbps, HT40 reach up to150Mbps 802.11ac: VHT20 reach up to 86.7Mbps, VHT40 reach up to 200Mbps, VHT80 reach up to 433.3Mbps
Antenna Type	Dual Frequency Antenna
Working Temperature	0°C to +35°C
Operating Voltage	DC 5V/1A

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.2. Carrier Frequency of Channels

Band : 5150MHz-5250MHz

802.11a, 802.11n HT 20, 802.11ac VHT20,

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***36**	**5180**	***44**	**5220**
40	5200	***48**	**5240**

802.11n HT 40, 802.11ac VHT40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***38**	**5190**	***46**	**5230**

802.11ac VHT80

Channel	Frequency(MHz)
***42**	**5210**

Band : 5725MHz -5850MHz

802.11a, 802.11n HT 20, 802.11ac VHT20

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***149**	**5745**	161	5805
153	5765	***165**	**5825**
***157**	**5785**		

802.11n HT 40, 802.11ac VHT40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***151**	**5755**	***159**	**5795**

802.11ac VHT80

Channel	Frequency(MHz)
***155**	**5775**

Note: Channels remarked * are selected to perform test.

2.3. Test Mode and Test Software

a. During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
b. The complete test system included Notebook, adapter and EUT for RF test.
c. An executive program, “MP819xVC.exe (Ver.: 1.0.0.8)” under Windows 7 system was executed to transmit and receive data via WLAN.
d. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11a (6Mbps) for AC120V
2	802.11n HT20 (6.5Mbps) for AC120V
3	802.11n HT40 (13.5Mbps) for AC120V
4	802.11ac VHT20 (6.5Mbps) for AC120V
5	802.11ac VHT40 (13.5Mbps) for AC120V
6	802.11ac VHT80 (29.3Mbps) for AC120V
7	802.11a (6Mbps) for AC240V
caused “Test Mode 1 at CH48:5240MHz” generated the worst case, it was reported as the final data.	
Radiation Emissions (Below 1GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps)
2	802.11n HT20 (6.5Mbps)
3	802.11n HT40 (13.5Mbps)
4	802.11ac VHT20 (6.5Mbps)
5	802.11ac VHT40 (13.5Mbps)
6	802.11ac VHT80 (29.3Mbps)
caused “Test Mode 1 at CH48:5240MHz” generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps)
2	802.11n HT20 (6.5Mbps)
3	802.11n HT40 (13.5Mbps)
4	802.11ac VHT20 (6.5Mbps)
5	802.11ac VHT40 (13.5Mbps)
6	802.11ac VHT80 (29.3Mbps)
caused “Test Mode 1,4~6” generated the worst case, it was reported as the final data.	

Modulation Type	TX CONFIGURATION
802.11a	1TX
802.11n HT20	1TX
802.11n HT40	1TX
802.11ac VHT20	1TX
802.11ac VHT40	1TX
802.11ac VHT80	1TX
* VHT20/VHT40 covers HT20/HT40, due to same modulation. 802.11ac mode is the worst case for final tests except RF output power test after pretesting all modulation type.	

2.4. Power Parameter Value of the test software

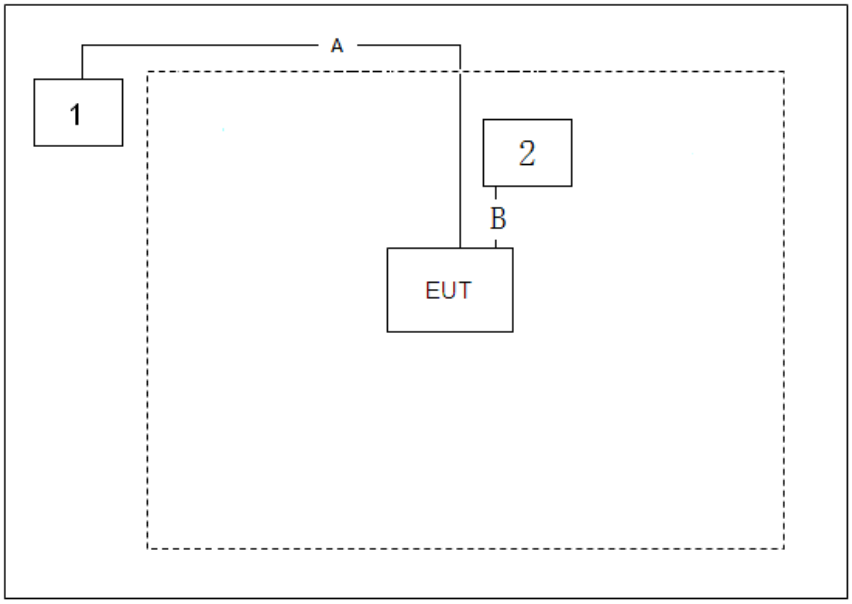
Band: 5150MHz-5250MHz					
Mode	Frequency (MHz)	Setting level			
		Ant 1	Ant 2	Ant 1+2	
				Ant 1	Ant 2
802.11a	5180	45	N/A	N/A	N/A
	5220	45	N/A	N/A	N/A
	5240	45	N/A	N/A	N/A
802.11n HT20	5180	43	N/A	N/A	N/A
	5220	43	N/A	N/A	N/A
	5240	43	N/A	N/A	N/A
802.11n HT40	5190	42	N/A	N/A	N/A
	5230	42	N/A	N/A	N/A
802.11ac VHT20	5180	43	N/A	N/A	N/A
	5220	43	N/A	N/A	N/A
	5240	43	N/A	N/A	N/A
802.11ac VHT40	5190	42	N/A	N/A	N/A
	5230	42	N/A	N/A	N/A
802.11ac VHT80	5210	40	N/A	N/A	N/A

Band: 5725MHz -5850MHz					
Mode	Frequency (MHz)	Setting level			
		Ant 1	Ant 2	Ant 1+2	
				Ant 1	Ant 2
802.11a	5745	45	N/A	N/A	N/A
	5785	45	N/A	N/A	N/A
	5825	45	N/A	N/A	N/A
802.11n HT20	5745	43	N/A	N/A	N/A
	5785	43	N/A	N/A	N/A
	5825	43	N/A	N/A	N/A
802.11n HT40	5755	42	N/A	N/A	N/A
	5795	42	N/A	N/A	N/A
802.11ac VHT20	5745	43	N/A	N/A	N/A
	5785	43	N/A	N/A	N/A
	5825	43	N/A	N/A	N/A
802.11ac VHT40	5755	42	N/A	N/A	N/A
	5795	42	N/A	N/A	N/A
802.11ac VHT80	5775	40	N/A	N/A	N/A

2.5. Description of Test System

Product		Manufacturer	Model No.	Power Cord
1	Notebook	SONY	PCG-71811P	Non-Shielded, 1.8m
2	Adapter	MI	MDY-12-ES	N/A

Connection Diagram



Signal Cable Type		Quantity	Signal cable Description
A	USB Cable	1	5.0m Shielding
B	Type-c Cable	1	1.0m Shielding

2.6. General Information of Test

Test Site	**Cerpass Technology Corporation(Cerpass Laboratory)** Address: Room 102, No. 5, Xing'an Road, Chang'an Town, Dongguan City, Guangdong Province Tel: +86-769-8547-1212 Fax: +86-769-8547-1912
FCC Designation No.:	CN1288
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 40,000MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-DG	2023/05/11~2023/05/12	23~25°C /49~ 52%	Amos Zhang
Radiated Emissions	3M01-DG	2023/05/09~2023/05/10	22~24°C / 48~53%	Amos Zhang
AC Power Line Conducted Emission	CON01-DG	2023/05/12	23°C / 53%	Amos Zhang

2.7. Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2).

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±2.60dB
Radiated Spurious Emission(9KHz~30MHz)	±4.99dB
Radiated Spurious Emission(30MHz~1GHz)	±4.39dB
Radiated Spurious Emission(1GHz~18GHz)	±5.36dB
Radiated Spurious Emission(18GHz~40GHz)	±5.43dB
6dB Bandwidth&26dB Bandwidth	±4.8%
Occupied Bandwidth	±4.5%
Peak Output Power(Conducted Power Meter)	±0.94dB
Power Spectral Density	±1.01dB
Frequency Stability	±99.743Hz

3. Test Equipment and Ancillaries Used for Tests

AC Power Line Conducted Emission					
Test Site	CON01-DG				
Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Test Receiver	R&S	ESCI	100564	2023.01.06	2024.01.05
LISN	SCHWARZBECK	NSLK 8127	8127748	2023.01.06	2024.01.05
LISN	R&S	ENV216	100024	2023.01.06	2024.01.05
ISN	TESEQ	ISN T800	42809	2023.05.06	2024.05.05
Pulse Limiter with 10dB Attenuation	SCHWARZBECK	VTSD 9561-F	9561-F106	2023.01.06	2024.01.05
Temperature/ Humidity Meter	GEMLEAD	STH200A	N/A	2022.08.05	2023.08.04

Radiated Emissions					
Test Site	3M01-DG				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
EMI Test Receiver	R&S	ESCI	100565	2023.05.06	2024.05.05
Amplifier	EMCI	EMC330	980082	2023.05.06	2024.05.05
Loop Antenna	R&S	HFH2-Z2	100150	2022.05.11	2024.05.10
Bilog Antenna	Sunol Science	JB6	A111218	2023.01.12	2025.01.11
Preamplifier	Agilent	8449B	3008A02342	2023.01.06	2024.01.05
Preamplifier	COM-POWER	PA-840	711885	2023.05.06	2024.05.05
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120 D	9120D-619	2022.05.22	2024.05.21
Standard Gain Horn Antenna	TRC	HA-2640	18050	2022.05.09	2024.05.08
Standard Gain Horn Antenna	TRC	HA-1726	18051	2022.05.09	2024.05.08
FSQ Signal Analyzer	R&S	FSQ40	200012	2023.05.06	2024.05.05
Temperature/ Humidity Meter	GEMLEAD	STH200A	N/A	2022.08.05	2023.08.04

RF Conducted					
Test Site	RFCON01-DG				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
MXA Signal Analyzer	KEYSIGHT	N9020A	US46220290	2023.05.06	2024.05.05
EXA Signal Analyzer	KEYSIGHT	N9010A	MY53400169	2023.05.06	2024.05.05
ESG VECTOR SIGNAL GENERATOR	Agilent	E4438C	MY45092582	2023.05.06	2024.05.05
MXG VECTOR SIGNAL GENERATOR	Agilent	N5182B	MY53050127	2023.05.06	2024.05.05
USB Wideband Power Sensor	Boonton	55006	9778	2023.01.06	2024.01.05
Temperature/ Humidity Meter	mingle	ETH529	N/A	2023.01.06	2024.01.05

4. Antenna Requirements

4.1. Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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.

And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.2. Antenna Construction and Directional Gain

WIFI 5G:

Antenna Type	Dual Frequency Antenna
Antenna Gain	5150MHz - 5250MHz: 1.27dBi 5725MHz - 5850MHz: 0.54dBi

(Non-Beamforming)

5. Test of AC Power Line Conducted Emission

5.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.4-2014. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

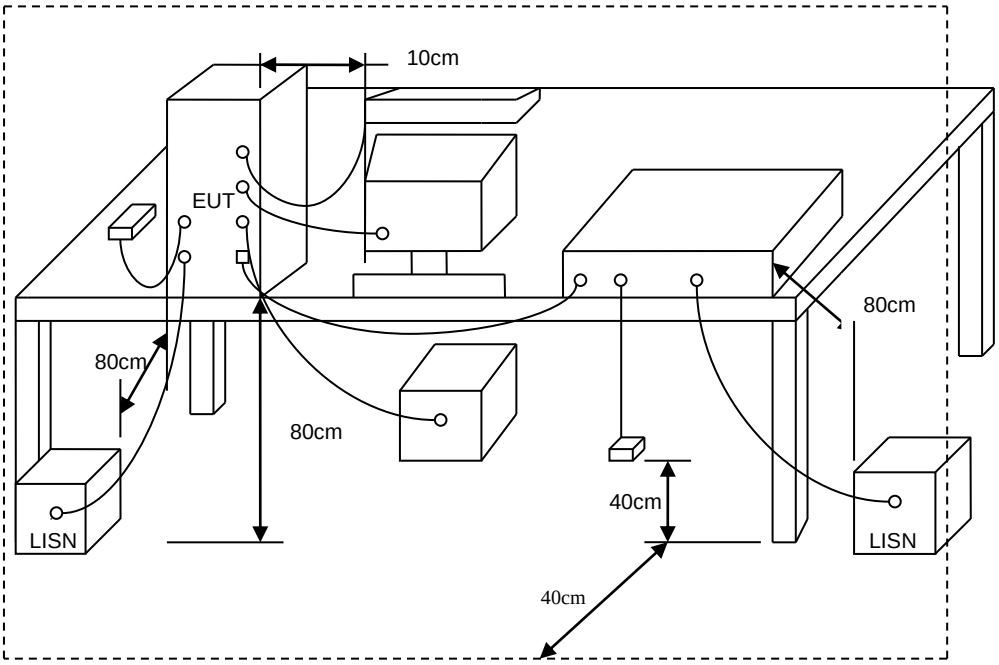
Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

5.2. Test Procedures

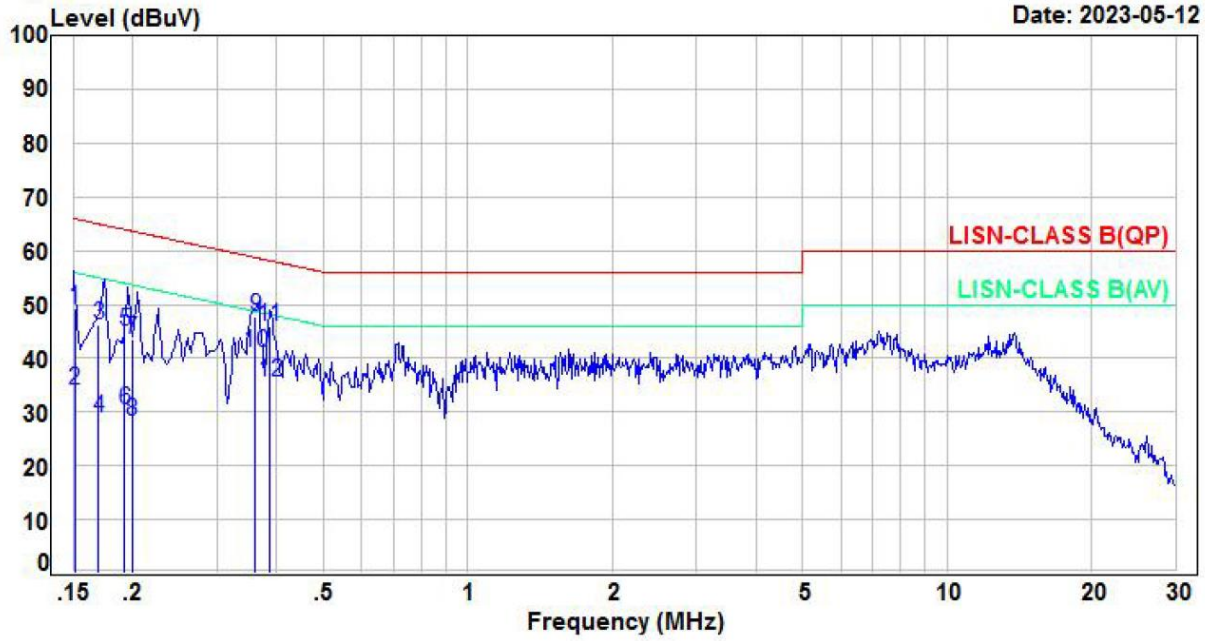
a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
c. All the support units are connecting to the other LISN.
d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
f. Both sides of AC line were checked for maximum conducted interference.
g. The frequency range from 150 kHz to 30 MHz was searched.
h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

5.3. Typical Test Setup



5.4. Test Result and Data

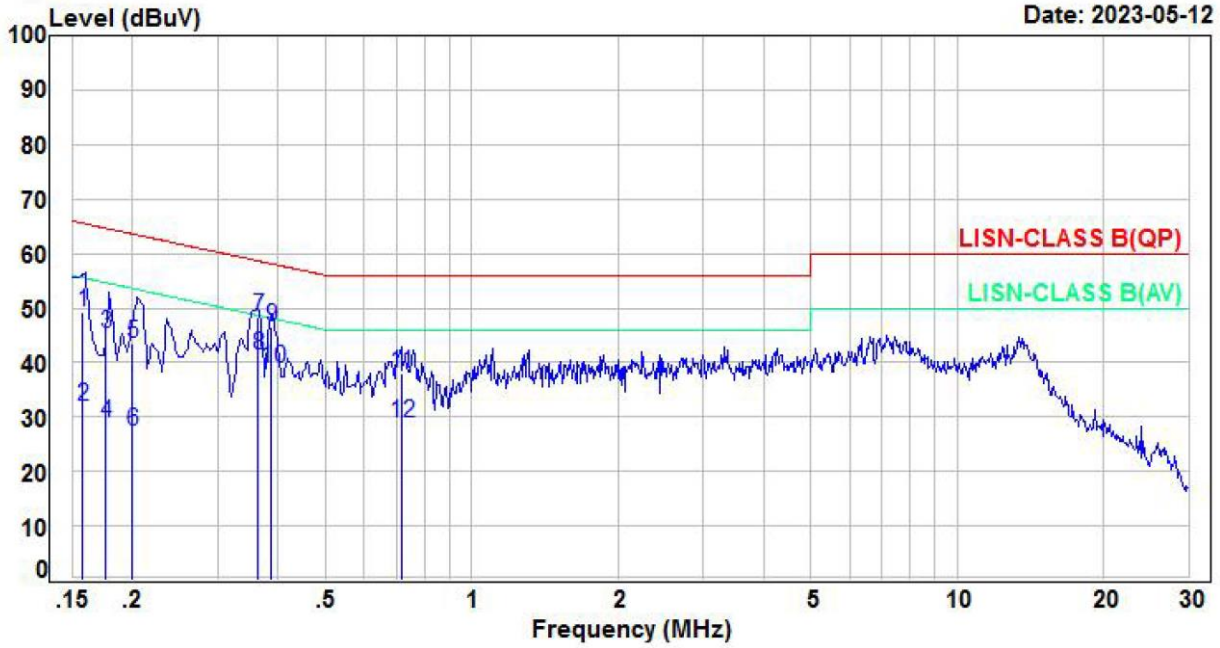
Power:	AC 120V/60Hz	Pol/Phase:	LINE
Test Mode:	Mode 1		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.74	39.54	49.28	65.91	-16.63	QP	P
2	0.15	9.74	24.28	34.02	55.91	-21.89	Average	P
3	0.17	9.74	36.34	46.08	64.97	-18.89	QP	P
4	0.17	9.74	19.15	28.89	54.97	-26.08	Average	P
5	0.19	9.76	35.17	44.93	63.92	-18.99	QP	P
6	0.19	9.76	20.51	30.27	53.92	-23.65	Average	P
7	0.20	9.76	33.84	43.60	63.65	-20.05	QP	P
8	0.20	9.76	18.48	28.24	53.65	-25.41	Average	P
9	0.36	9.69	38.03	47.72	58.71	-10.99	QP	P
10	0.36	9.69	31.24	40.93	48.71	-7.78	Average	P
11	0.39	9.66	36.36	46.02	58.16	-12.14	QP	P
12	0.39	9.66	26.05	35.71	48.16	-12.45	Average	P

Note: Level = Reading + Factor
Margin = Level – Limit

Power:	AC 120V/60Hz	Pol/Phase:	NEUTRAL
Test Mode:	Mode 1		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.79	39.43	49.22	65.56	-16.34	QP	P
2	0.16	9.79	22.18	31.97	55.56	-23.59	Average	P
3	0.18	9.77	35.49	45.26	64.64	-19.38	QP	P
4	0.18	9.77	19.01	28.78	54.64	-25.86	Average	P
5	0.20	9.75	33.77	43.52	63.61	-20.09	QP	P
6	0.20	9.75	17.71	27.46	53.61	-26.15	Average	P
7	0.36	9.77	38.44	48.21	58.67	-10.46	QP	P
8	0.36	9.77	31.54	41.31	48.67	-7.36	Average	P
9	0.39	9.74	36.90	46.64	58.12	-11.48	QP	P
10	0.39	9.74	29.21	38.95	48.12	-9.17	Average	P
11	0.72	9.69	28.24	37.93	56.00	-18.07	QP	P
12	0.72	9.69	19.13	28.82	46.00	-17.18	Average	P

Note: Level = Reading + Factor
Margin = Level – Limit

6. Test of Spurious Emission (Radiated)

6.1. Test Limit

Undesirable emission limits. Except as shown in paragraph 15.407(b)(9)(10) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(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:
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 25MHz 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 27dBm/MHz at the band edge.

(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

(7) The provisions of §15.205 apply to intentional radiators operating under this section.

(8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

6.2. Test Procedures

a. The EUT was placed on a rotatable table top 0.8 meter above ground.

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

c. The table was rotated 360 degrees to determine the position of the highest radiation.

d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.

e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.

f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.

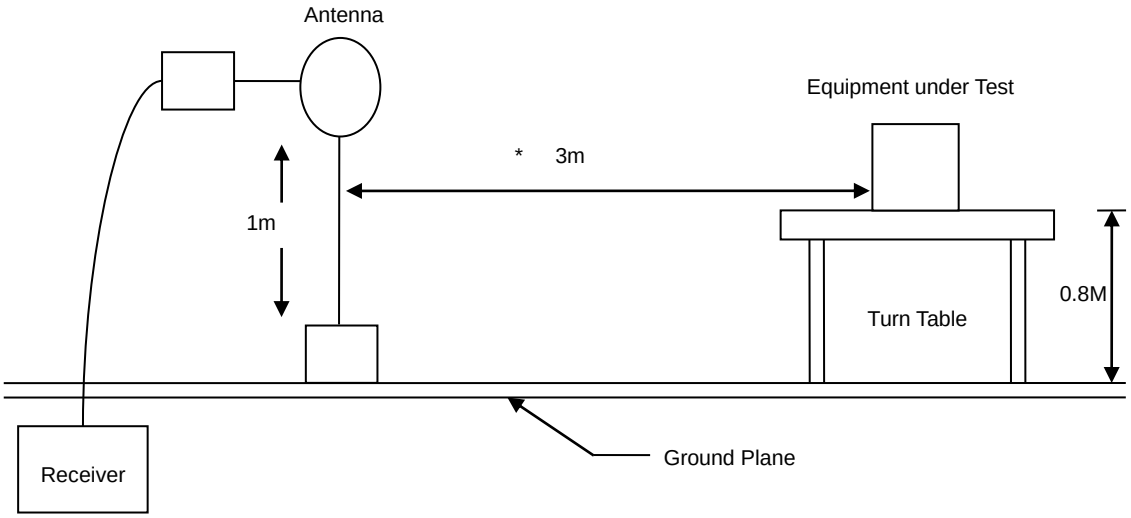
g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.

h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

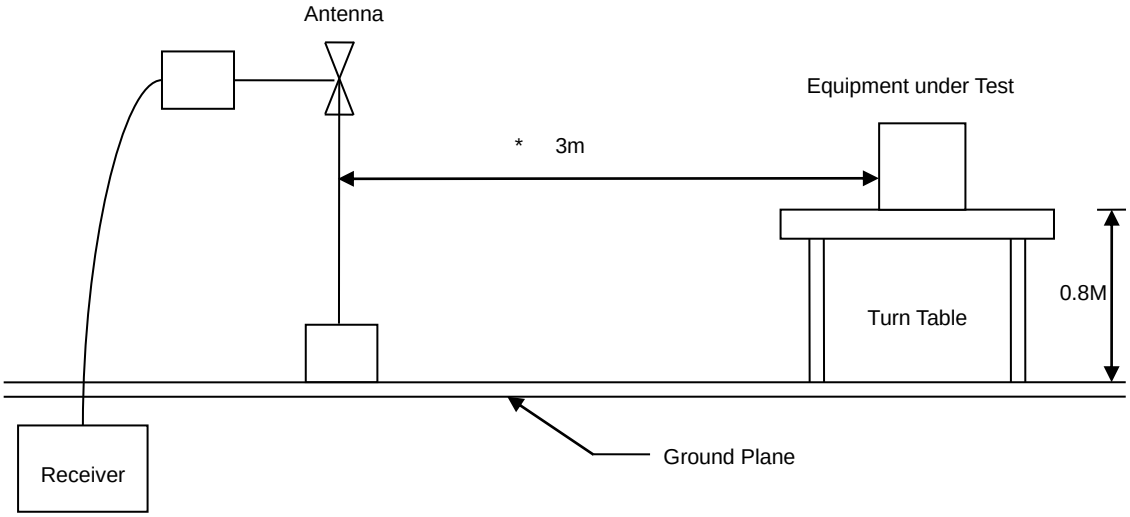
i. “Cone of radiation” has been considered to be 3dB bandwidth of the measurement antenna.
Note: The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions sch that emissions from the EUT are maximized.**(X-AXIS is the worst.)**

6.3. Typical Test Setup

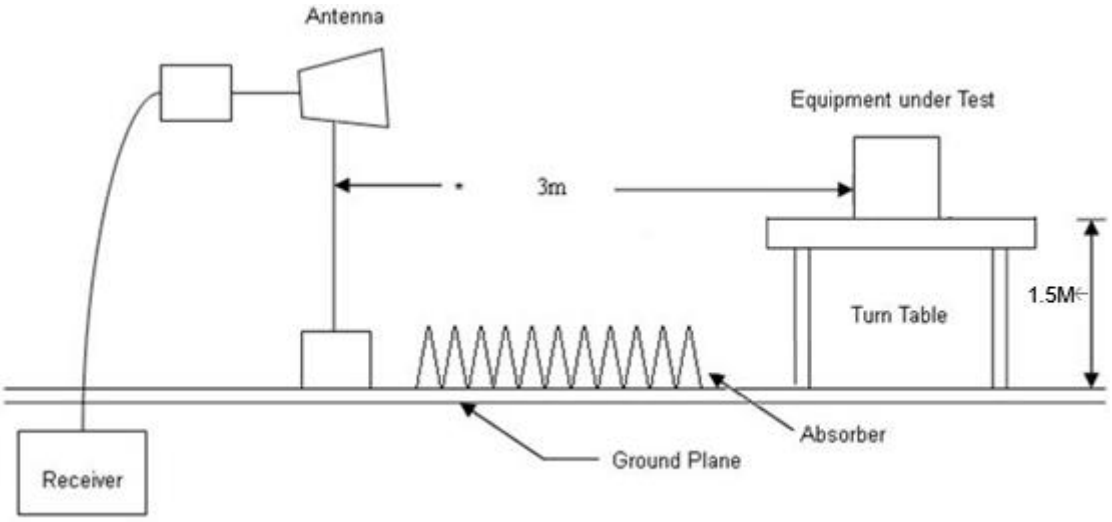
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup

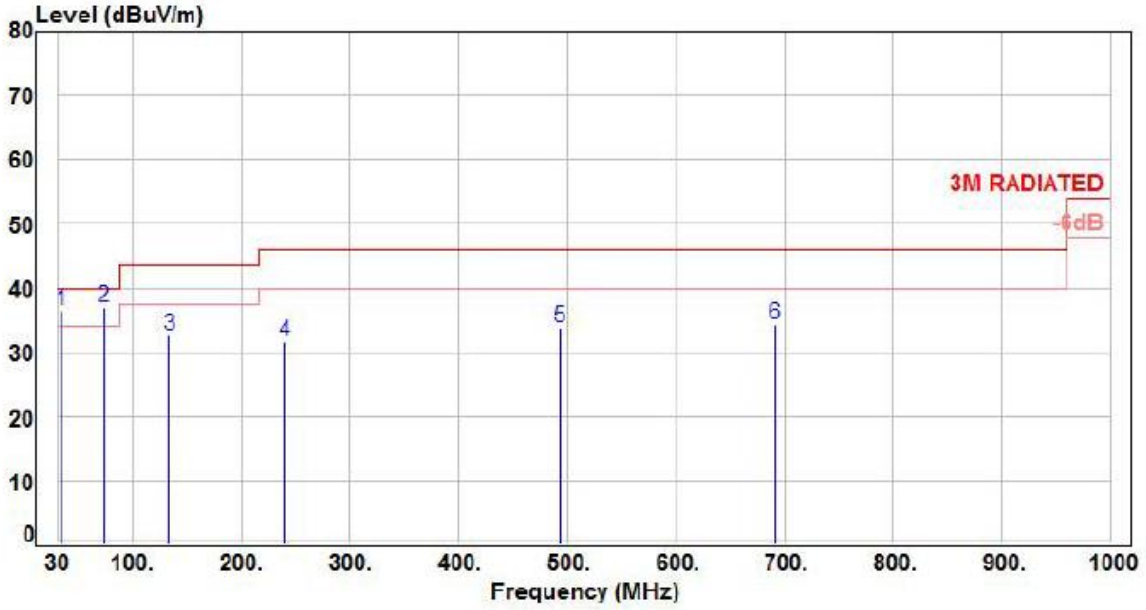


6.4. Test Result and Data (9kHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

6.5. Test Result and Data (30MHz ~ 1GHz)

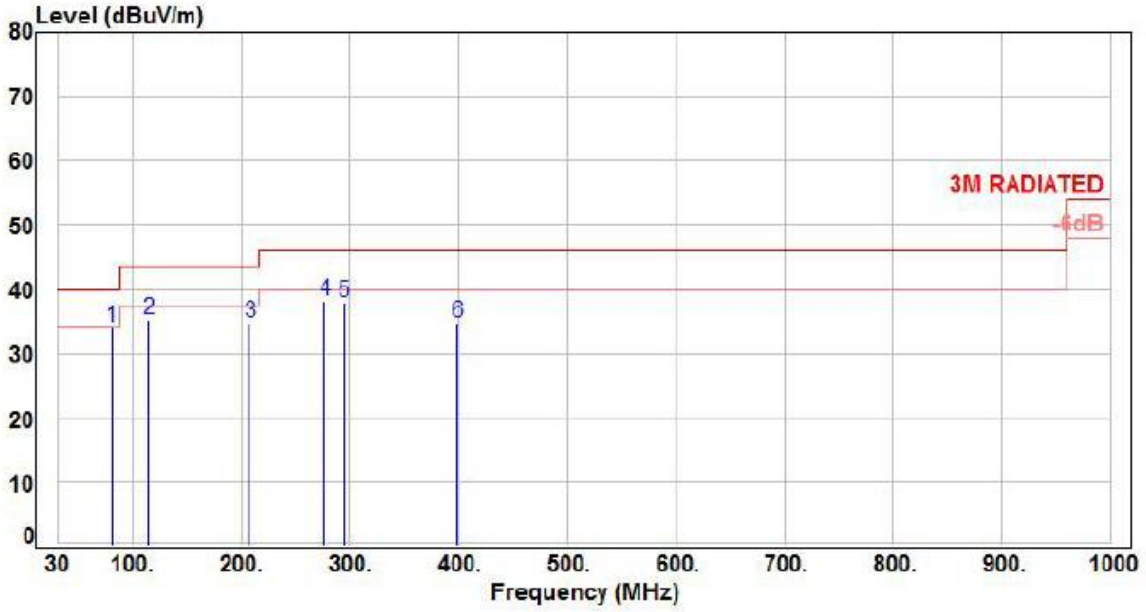
Power	AC 120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	33.88	-6.83	43.20	36.37	40.00	-3.63	QP	P
2	73.65	-16.34	53.32	36.98	40.00	-3.02	QP	P
3	132.82	-10.12	42.72	32.60	43.50	-10.90	Peak	P
4	239.52	-11.49	43.15	31.66	46.00	-14.34	Peak	P
5	492.69	-4.12	37.99	33.87	46.00	-12.13	Peak	P
6	691.54	-0.72	35.02	34.30	46.00	-11.70	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Power	AC 120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1		

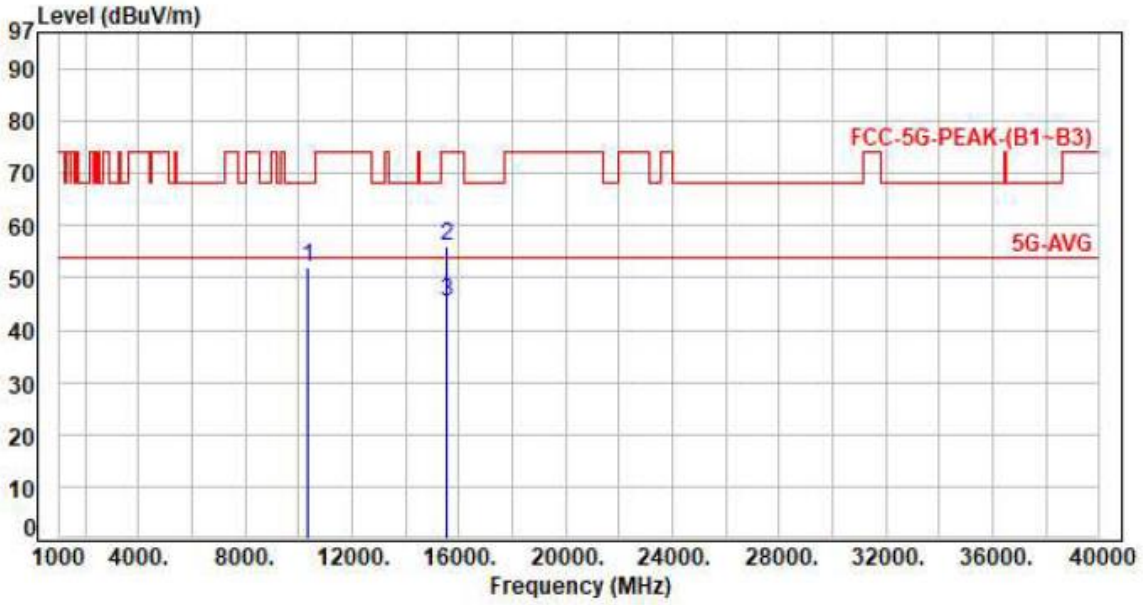


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	80.44	-16.26	50.41	34.15	40.00	-5.85	QP	P
2	114.39	-10.50	45.83	35.33	43.50	-8.17	Peak	P
3	207.51	-12.11	46.79	34.68	43.50	-8.82	Peak	P
4	276.38	-9.38	47.60	38.22	46.00	-7.78	Peak	P
5	294.81	-9.24	47.28	38.04	46.00	-7.96	Peak	P
6	398.60	-6.59	41.31	34.72	46.00	-11.28	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

6.6. Test Result and Data (1GHz ~ 40GHz)

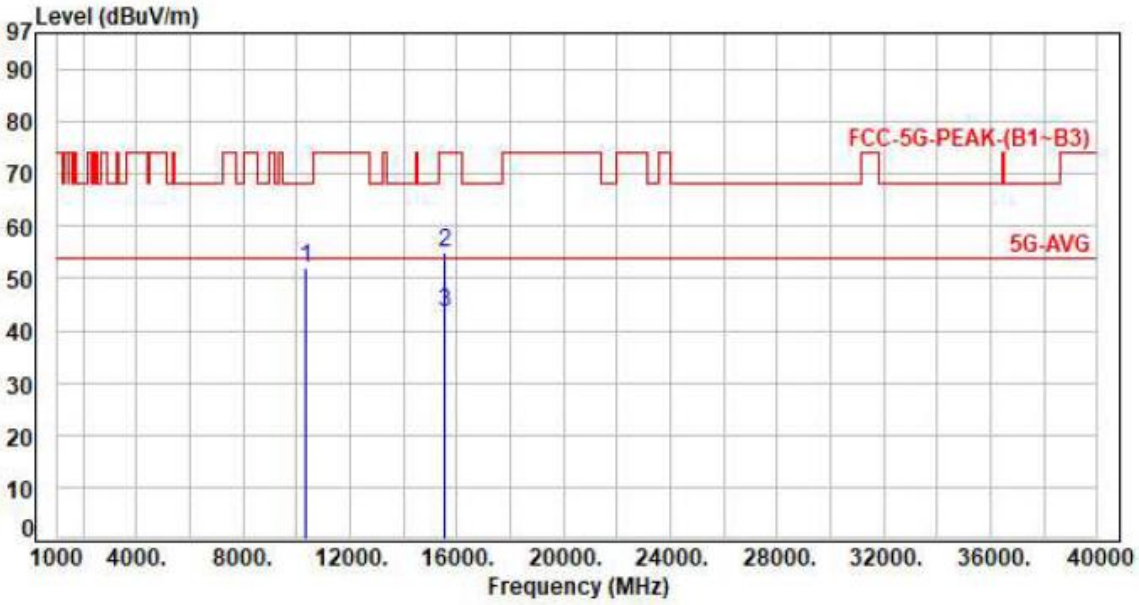
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	10.85	41.07	51.92	68.20	-16.28	Peak	P
2	15540.00	15.64	40.37	56.01	74.00	-17.99	Peak	P
3	15540.00	15.64	29.64	45.28	54.00	-8.72	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

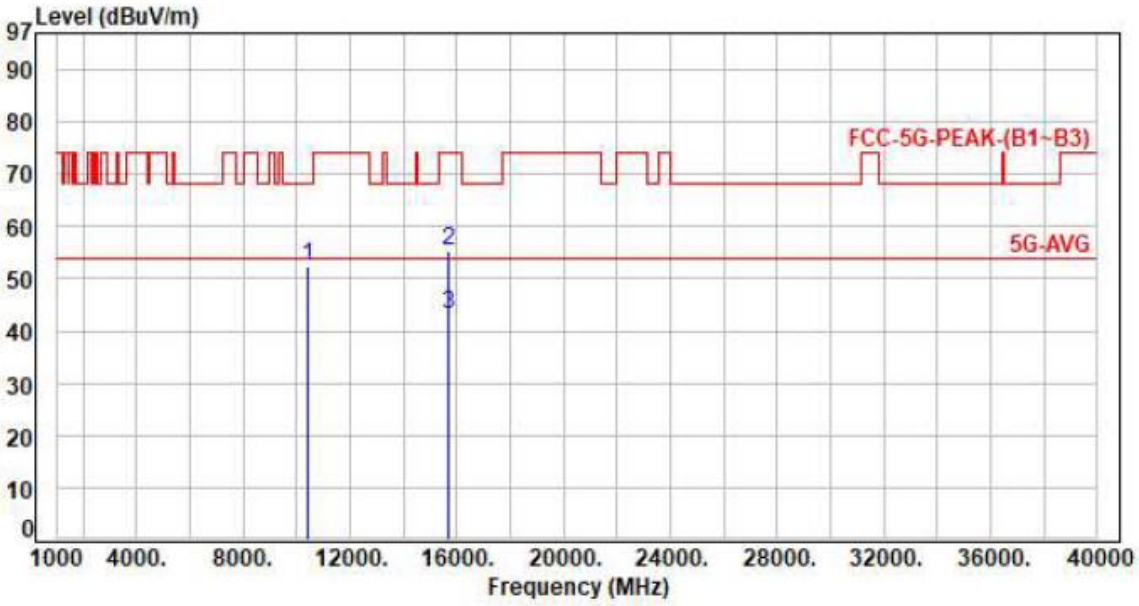
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	10.85	41.07	51.92	68.20	-16.28	Peak	P
2	15540.00	15.64	39.22	54.86	74.00	-19.14	Peak	P
3	15540.00	15.64	27.71	43.35	54.00	-10.65	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

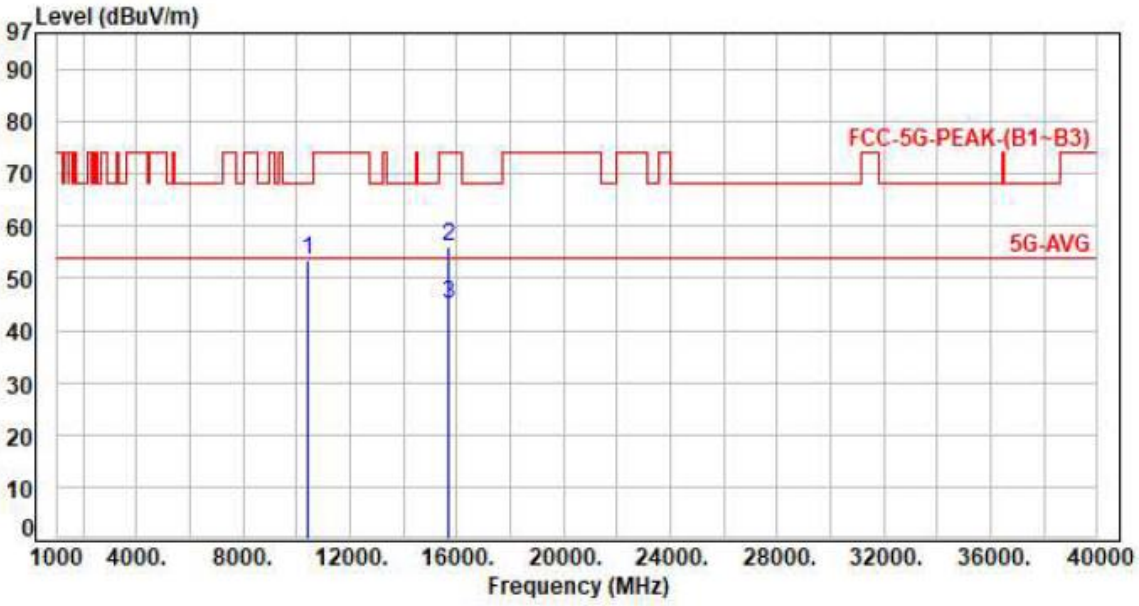
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.08	41.21	52.29	68.20	-15.91	Peak	P
2	15660.00	15.72	39.42	55.14	74.00	-18.86	Peak	P
3	15660.00	15.72	27.60	43.32	54.00	-10.68	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

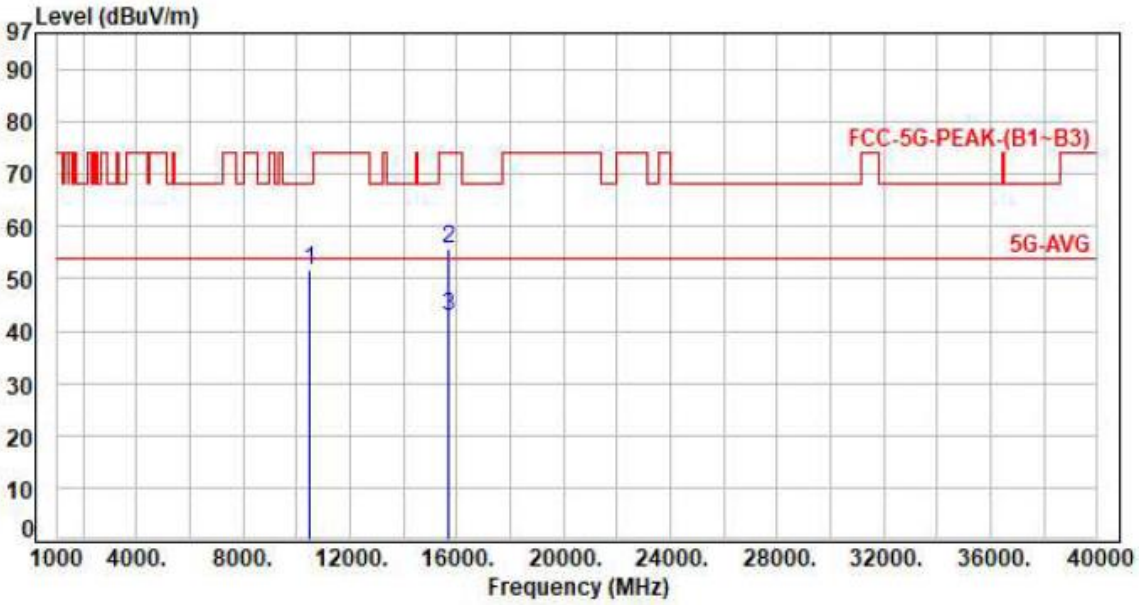
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.08	42.26	53.34	68.20	-14.86	Peak	P
2	15660.00	15.72	40.40	56.12	74.00	-17.88	Peak	P
3	15660.00	15.72	29.29	45.01	54.00	-8.99	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

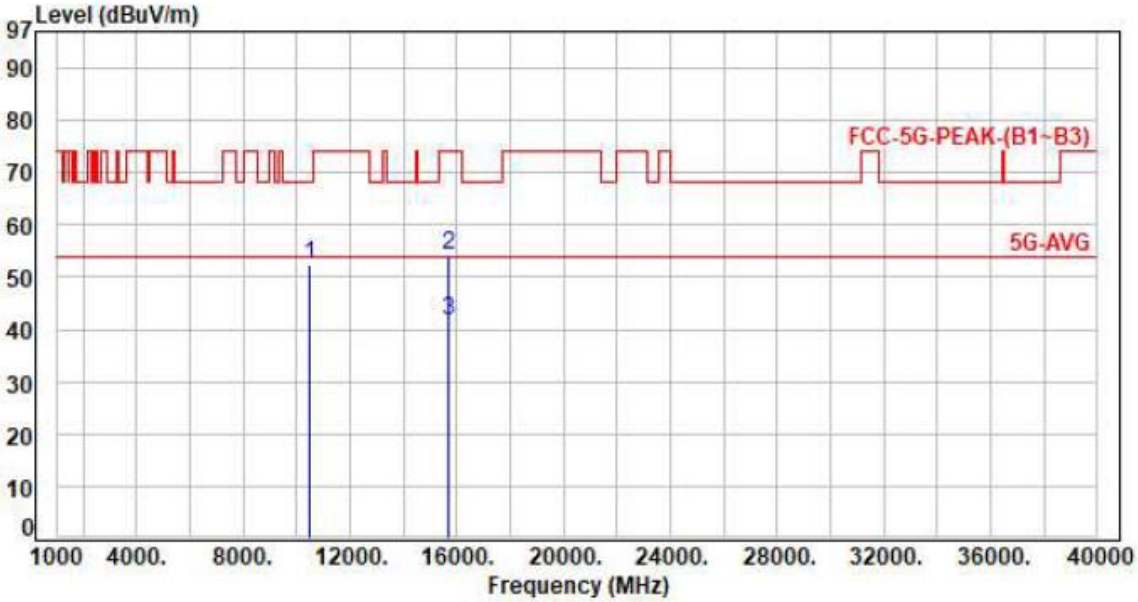
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.18	40.56	51.74	68.20	-16.46	Peak	P
2	15720.00	15.76	39.87	55.63	74.00	-18.37	Peak	P
3	15720.00	15.76	27.12	42.88	54.00	-11.12	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

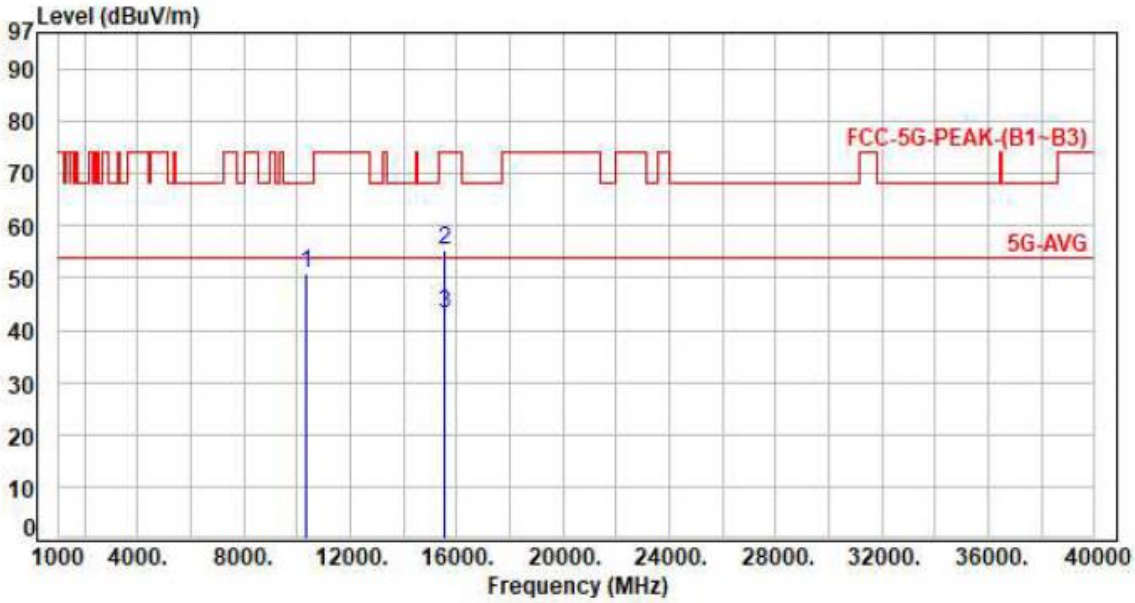
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.18	41.10	52.28	68.20	-15.92	Peak	P
2	15720.00	15.76	38.51	54.27	74.00	-19.73	Peak	P
3	15720.00	15.76	25.77	41.53	54.00	-12.47	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

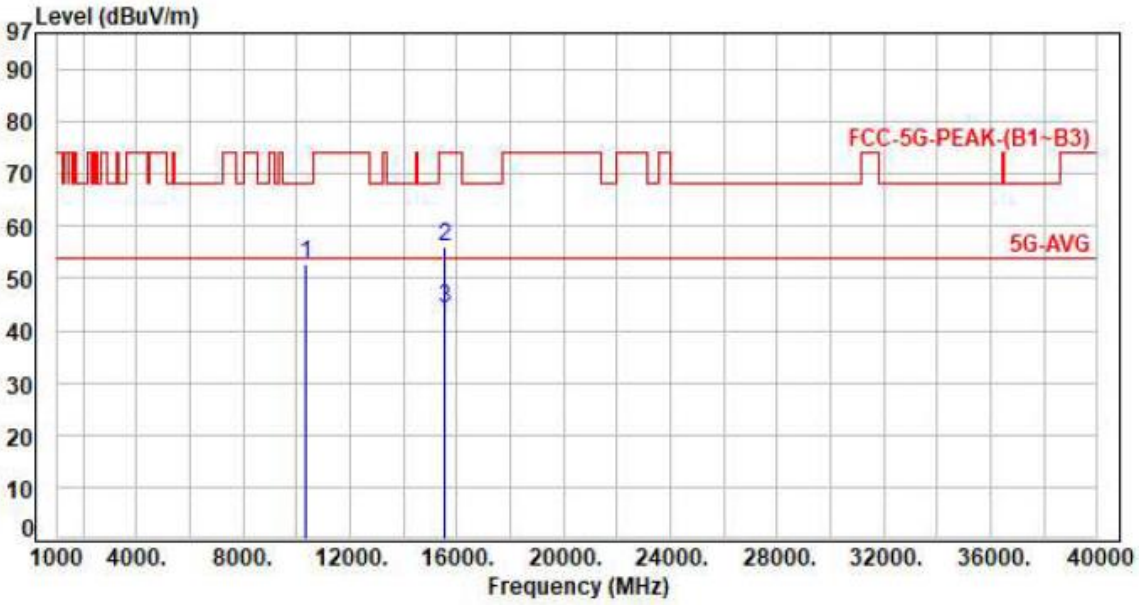
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 2, 802.11ac VHT20 CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	10.85	40.23	51.08	68.20	-17.12	Peak	P
2	15540.00	15.64	39.79	55.43	74.00	-18.57	Peak	P
3	15540.00	15.64	27.67	43.31	54.00	-10.69	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

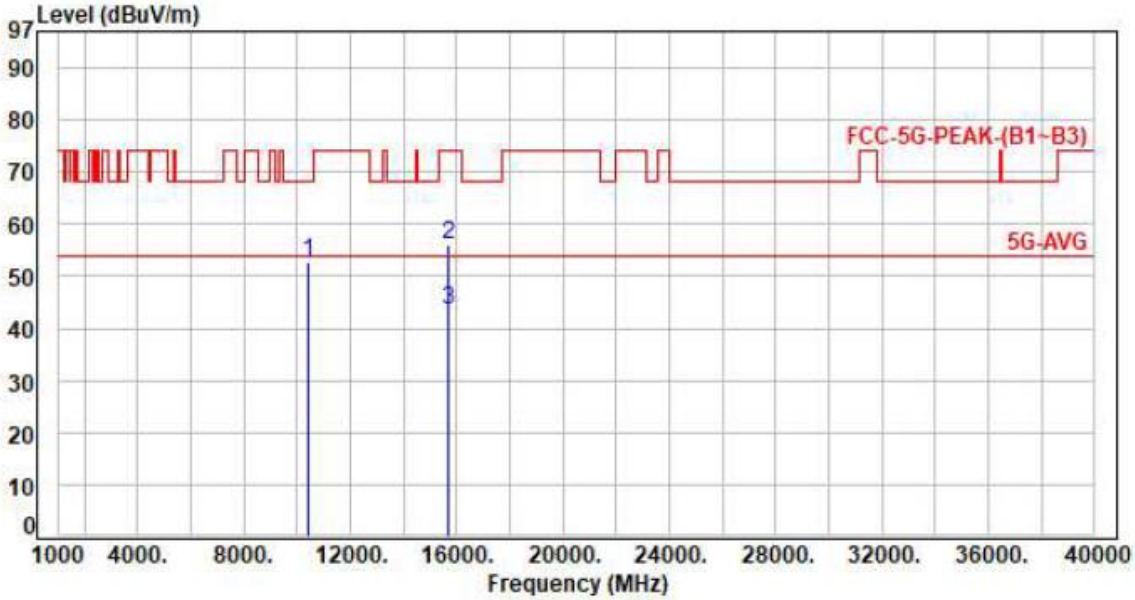
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 2, 802.11ac VHT20 CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	10.85	41.82	52.67	68.20	-15.53	Peak	P
2	15540.00	15.64	40.53	56.17	74.00	-17.83	Peak	P
3	15540.00	15.64	28.73	44.37	54.00	-9.63	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

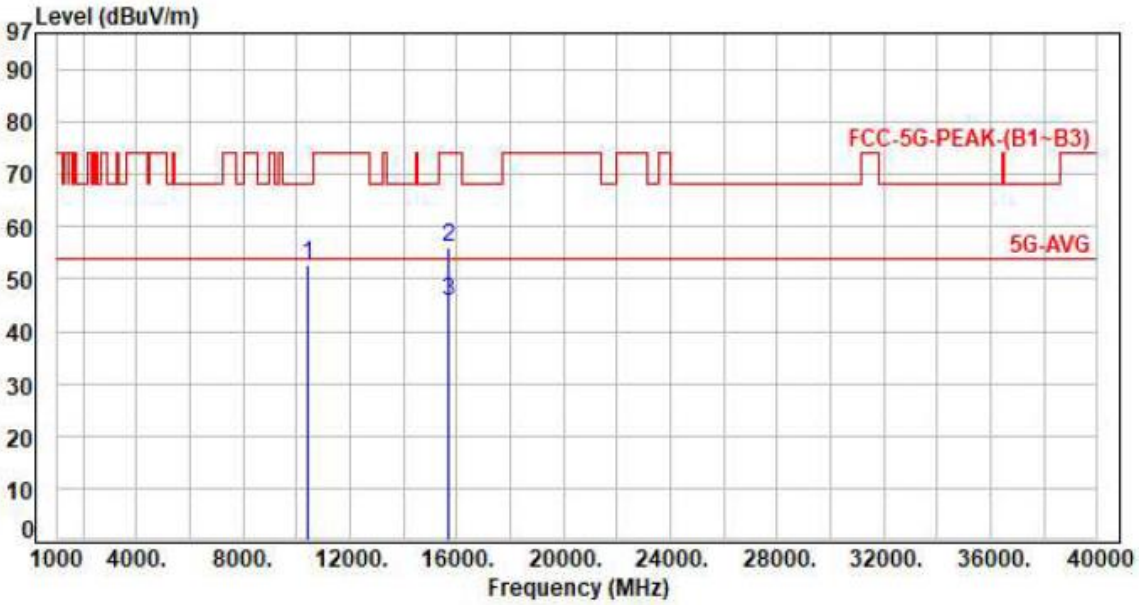
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 2, 802.11ac VHT20 CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.08	41.51	52.59	68.20	-15.61	Peak	P
2	15660.00	15.72	40.29	56.01	74.00	-17.99	Peak	P
3	15660.00	15.72	27.86	43.58	54.00	-10.42	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

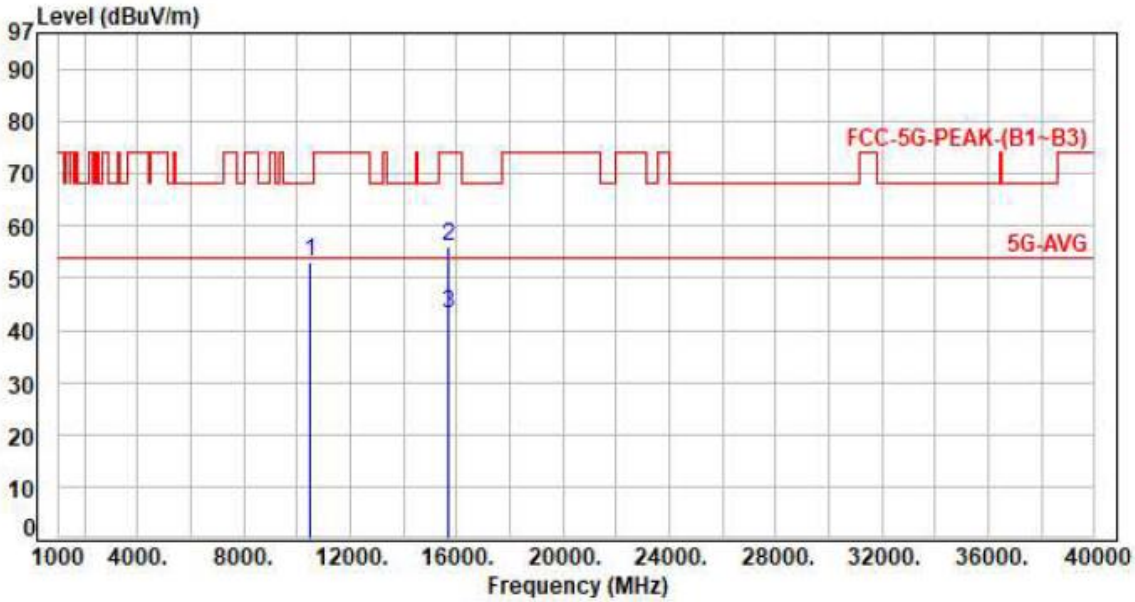
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 2, 802.11ac VHT20 CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.08	41.63	52.71	68.20	-15.49	Peak	P
2	15660.00	15.72	40.40	56.12	74.00	-17.88	Peak	P
3	15660.00	15.72	30.19	45.91	54.00	-8.09	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

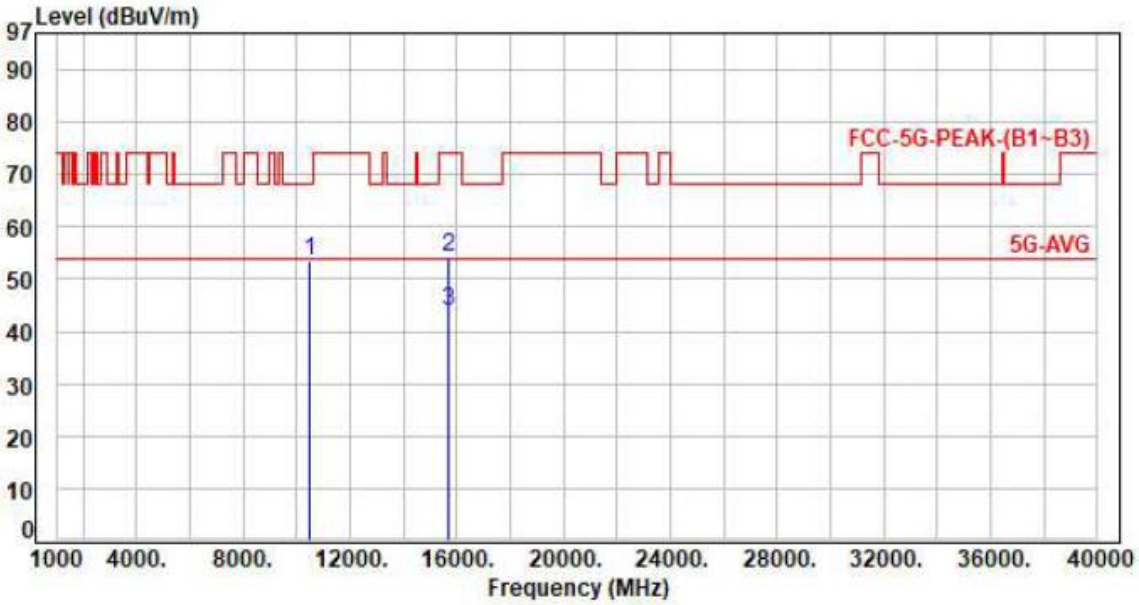
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 2, 802.11ac VHT20 CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.18	41.86	53.04	68.20	-15.16	Peak	P
2	15720.00	15.76	40.22	55.98	74.00	-18.02	Peak	P
3	15720.00	15.76	27.56	43.32	54.00	-10.68	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

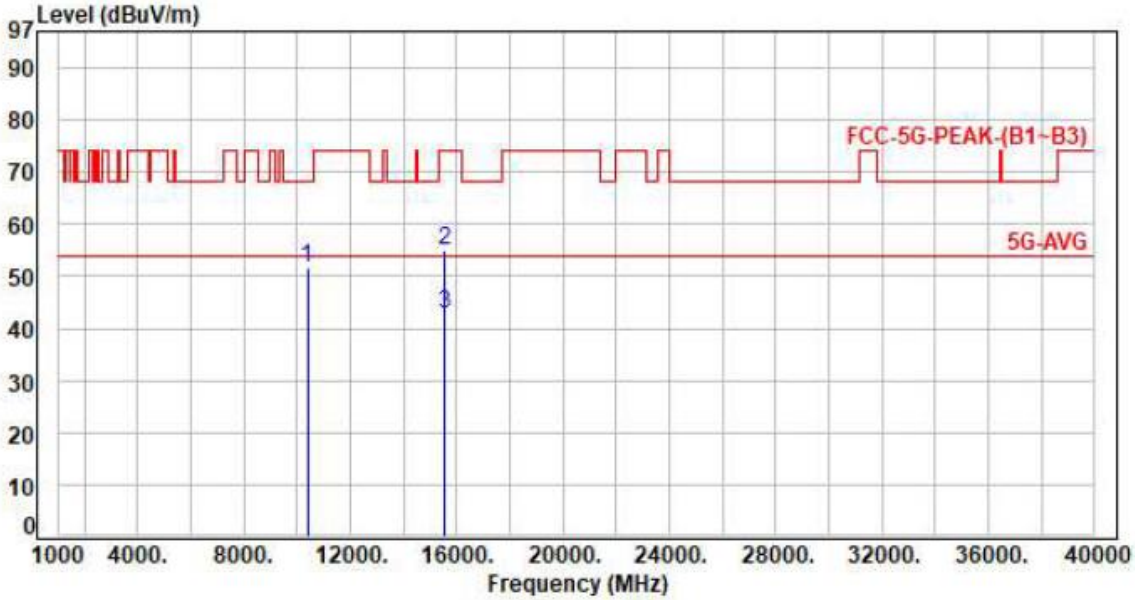
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 2, 802.11ac VHT20 CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.18	42.16	53.34	68.20	-14.86	Peak	P
2	15720.00	15.76	38.40	54.16	74.00	-19.84	Peak	P
3	15720.00	15.76	28.16	43.92	54.00	-10.08	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

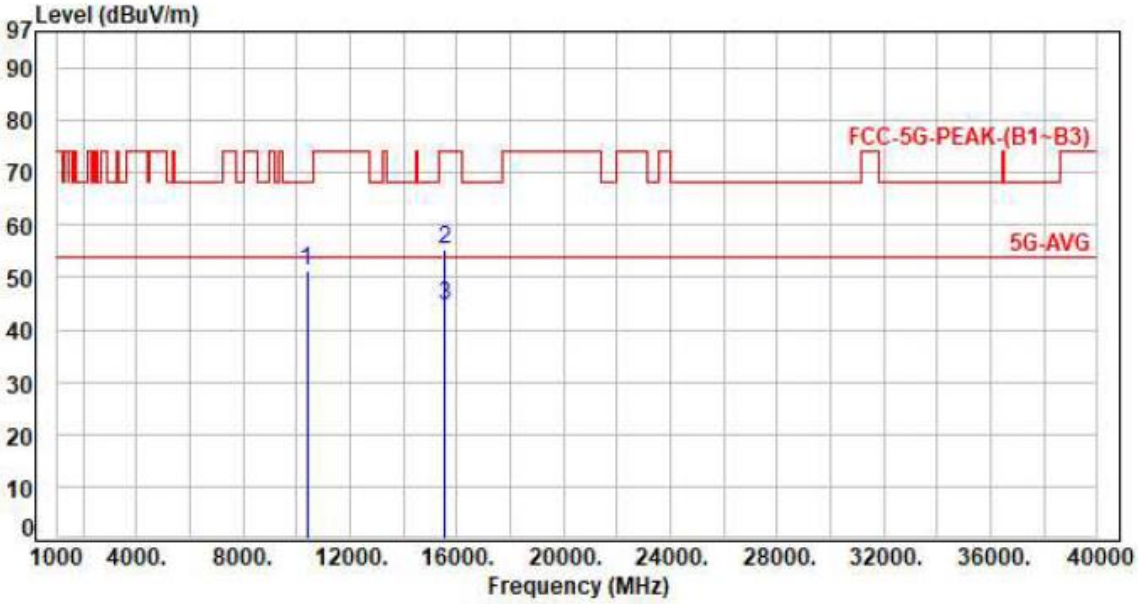
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT40 CH38 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10380.00	10.91	40.61	51.52	68.20	-16.68	Peak	P
2	15570.00	15.65	39.28	54.93	74.00	-19.07	Peak	P
3	15570.00	15.65	27.22	42.87	54.00	-11.13	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

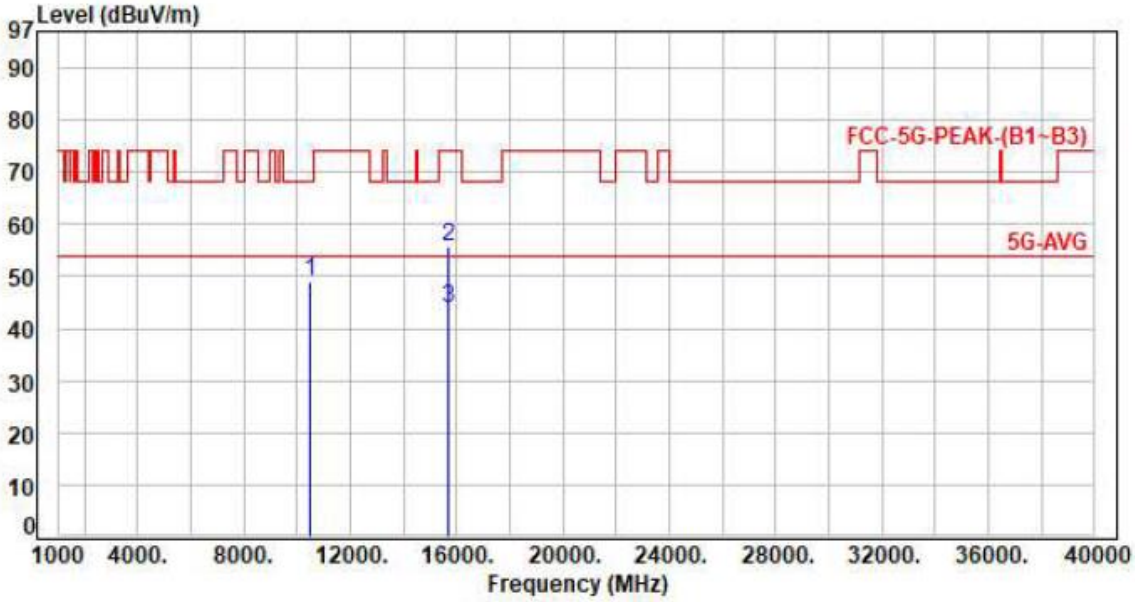
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT40 CH38 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10380.00	10.91	40.23	51.14	68.20	-17.06	Peak	P
2	15570.00	15.65	39.70	55.35	74.00	-18.65	Peak	P
3	15570.00	15.65	29.04	44.69	54.00	-9.31	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

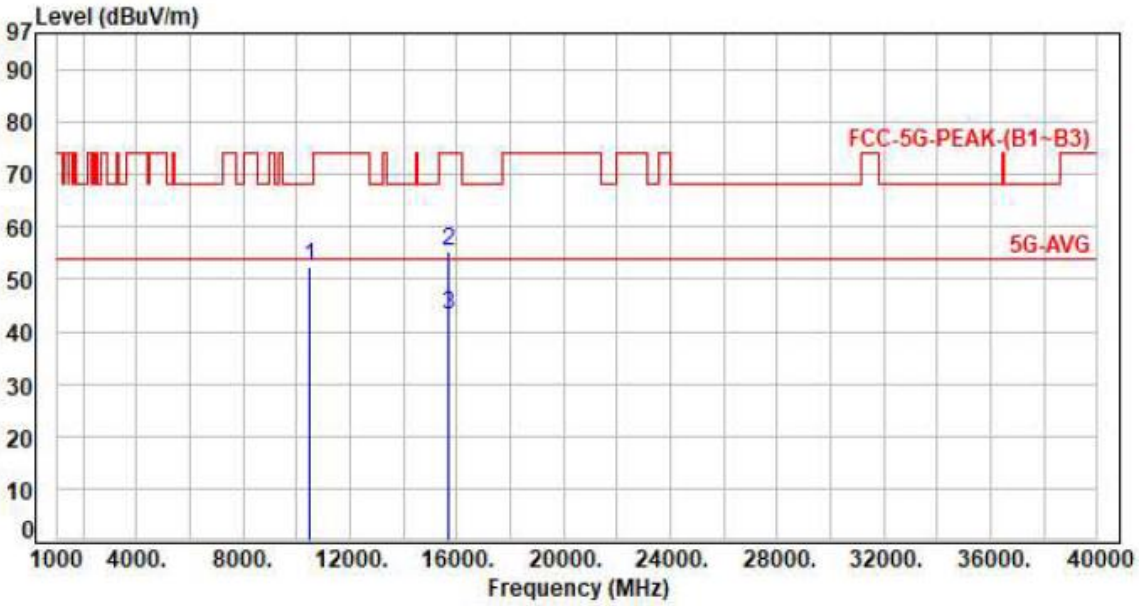
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT40 CH46 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10460.00	11.13	37.99	49.12	68.20	-19.08	Peak	P
2	15690.00	15.73	40.00	55.73	74.00	-18.27	Peak	P
3	15690.00	15.73	28.16	43.89	54.00	-10.11	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

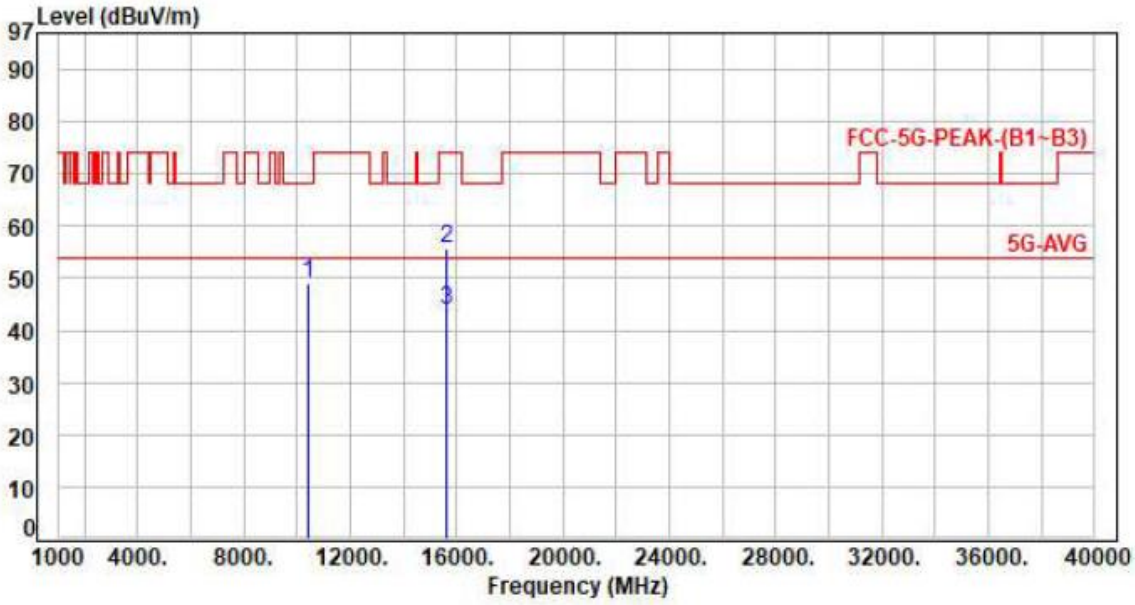
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT40 CH46 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10460.00	11.13	41.35	52.48	68.20	-15.72	Peak	P
2	15690.00	15.73	39.53	55.26	74.00	-18.74	Peak	P
3	15690.00	15.73	27.39	43.12	54.00	-10.88	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

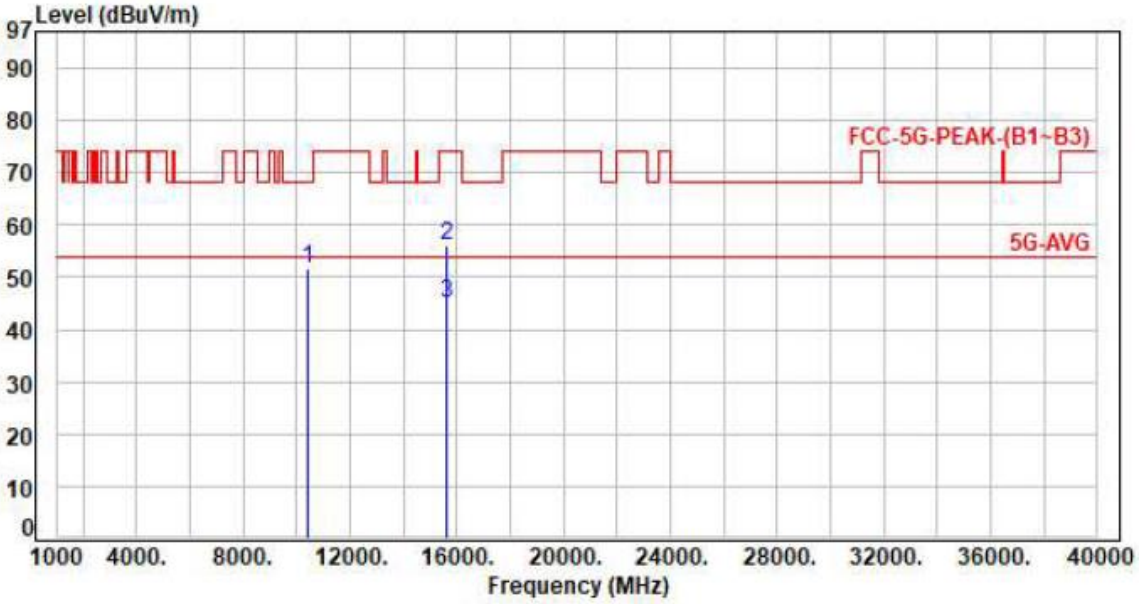
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4, 802.11ac VHT80 CH42 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10420.00	11.03	38.20	49.23	68.20	-18.97	Peak	P
2	15630.00	15.69	40.02	55.71	74.00	-18.29	Peak	P
3	15630.00	15.69	28.03	43.72	54.00	-10.28	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

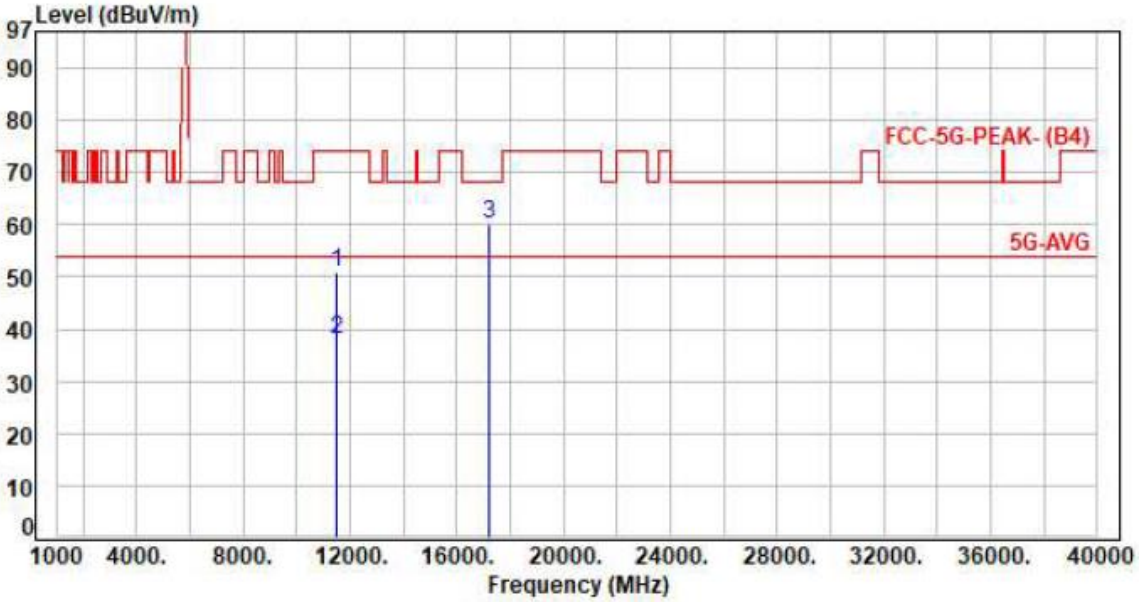
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 4, 802.11ac VHT80 CH42 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10420.00	11.03	40.49	51.52	68.20	-16.68	Peak	P
2	15630.00	15.69	40.20	55.89	74.00	-18.11	Peak	P
3	15630.00	15.69	29.22	44.91	54.00	-9.09	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

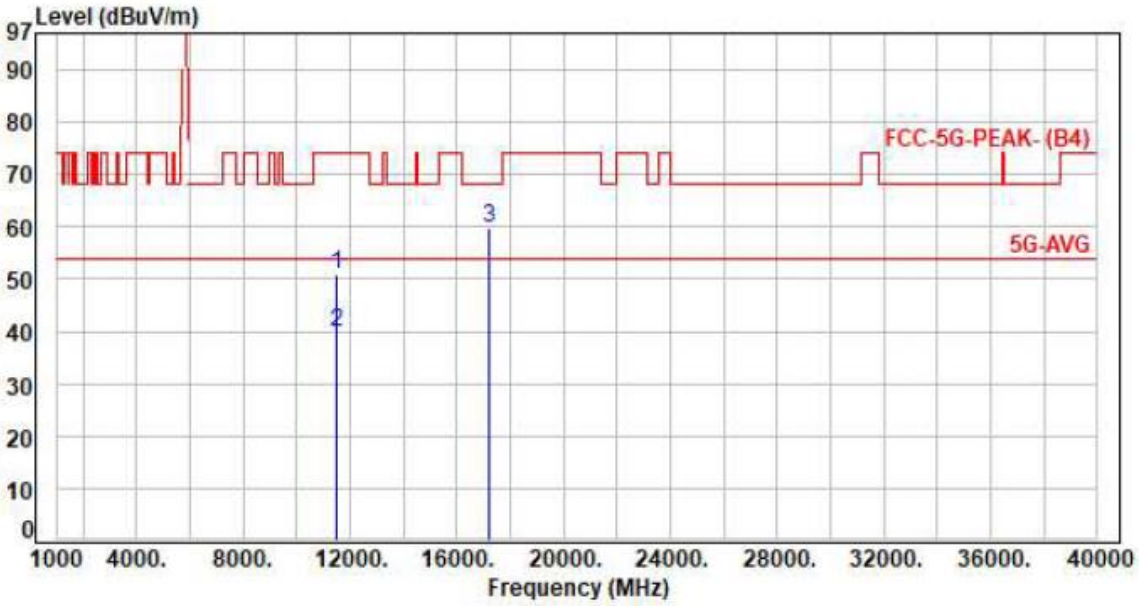
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH149 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11490.00	13.03	37.84	50.87	74.00	-23.13	Peak	P
2	11490.00	13.03	24.99	38.02	54.00	-15.98	Average	P
3	17235.00	19.95	40.10	60.05	68.20	-8.15	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

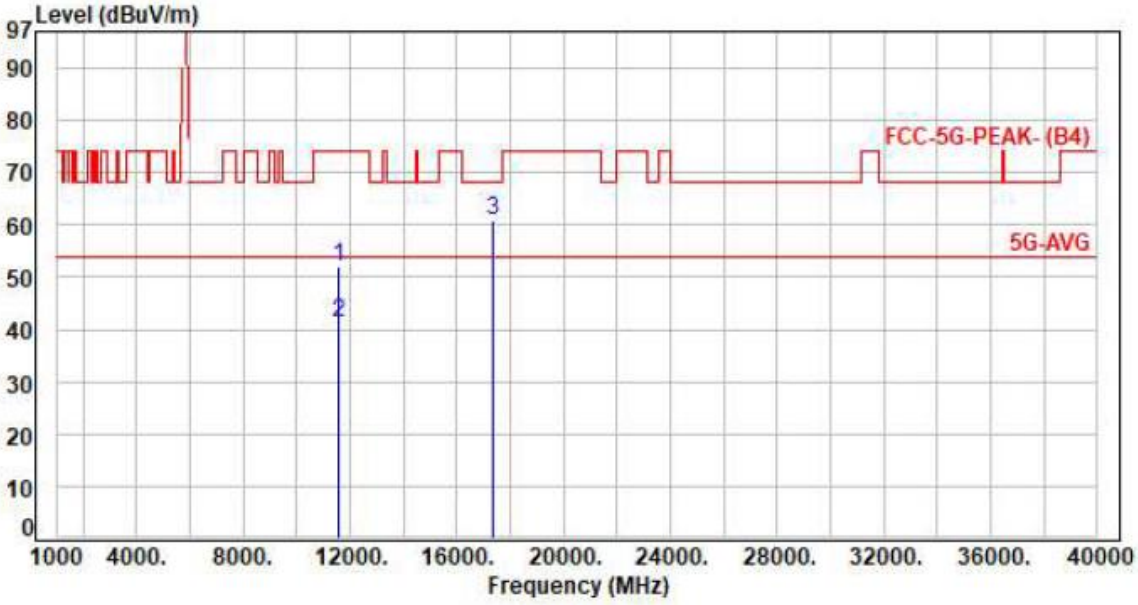
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH149 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11490.00	13.03	37.94	50.97	74.00	-23.03	Peak	P
2	11490.00	13.03	26.69	39.72	54.00	-14.28	Average	P
3	17235.00	19.95	39.71	59.66	68.20	-8.54	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

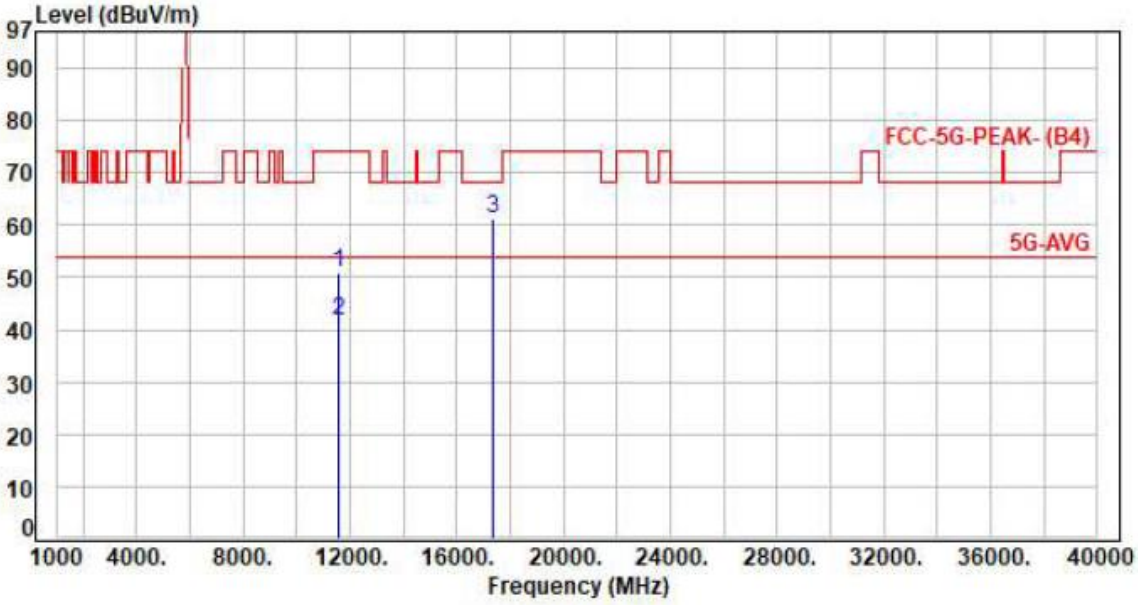
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH157 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11570.00	13.12	38.80	51.92	74.00	-22.08	Peak	P
2	11570.00	13.12	28.01	41.13	54.00	-12.87	Average	P
3	17355.00	20.34	40.64	60.98	68.20	-7.22	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

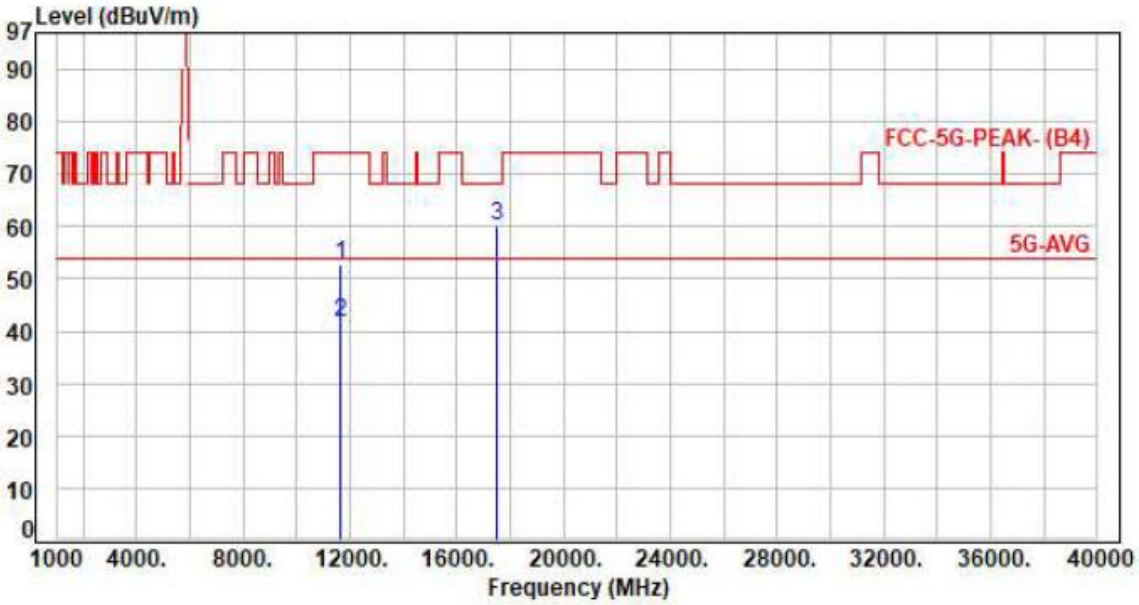
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH157 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11570.00	13.12	37.72	50.84	74.00	-23.16	Peak	P
2	11570.00	13.12	28.50	41.62	54.00	-12.38	Average	P
3	17355.00	20.34	40.91	61.25	68.20	-6.95	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

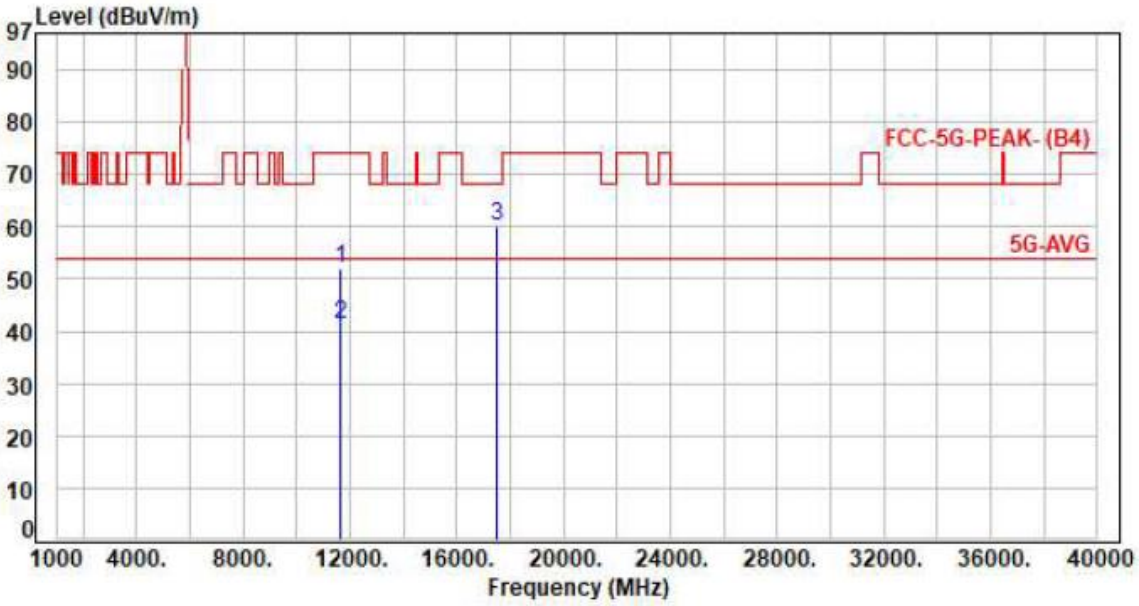
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH165 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11650.00	13.19	39.73	52.92	74.00	-21.08	Peak	P
2	11650.00	13.19	28.57	41.76	54.00	-12.24	Average	P
3	17475.00	20.72	39.52	60.24	68.20	-7.96	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

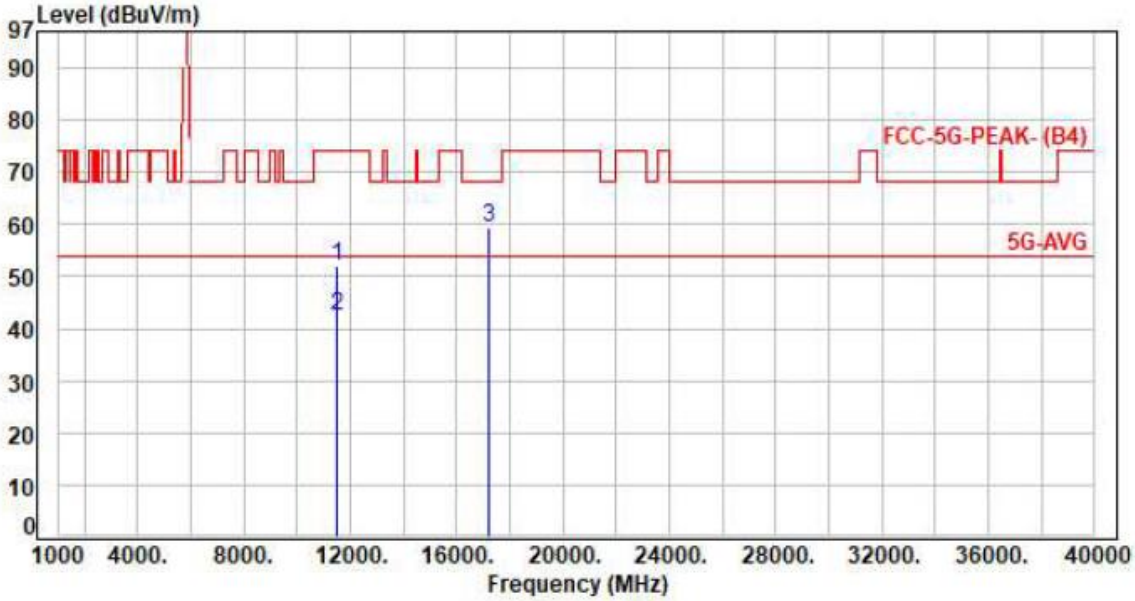
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH165 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11650.00	13.19	38.77	51.96	74.00	-22.04	Peak	P
2	11650.00	13.19	27.95	41.14	54.00	-12.86	Average	P
3	17475.00	20.72	39.54	60.26	68.20	-7.94	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

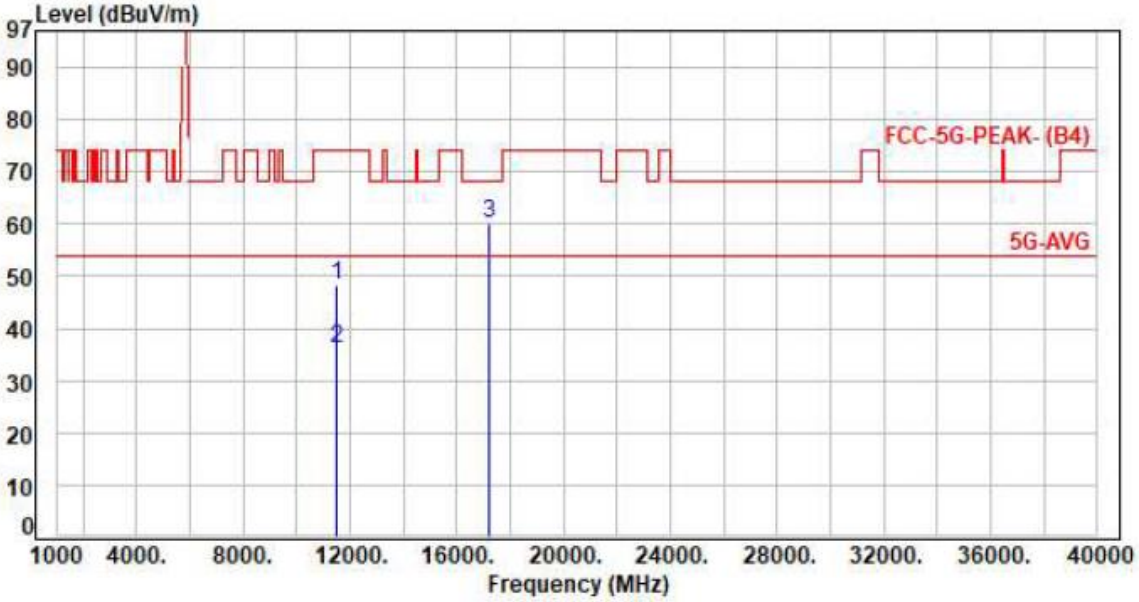
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 2, 802.11ac VHT20 CH149 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11490.00	13.03	38.95	51.98	74.00	-22.02	Peak	P
2	11490.00	13.03	29.21	42.24	54.00	-11.76	Average	P
3	17235.00	19.95	39.41	59.36	68.20	-8.84	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

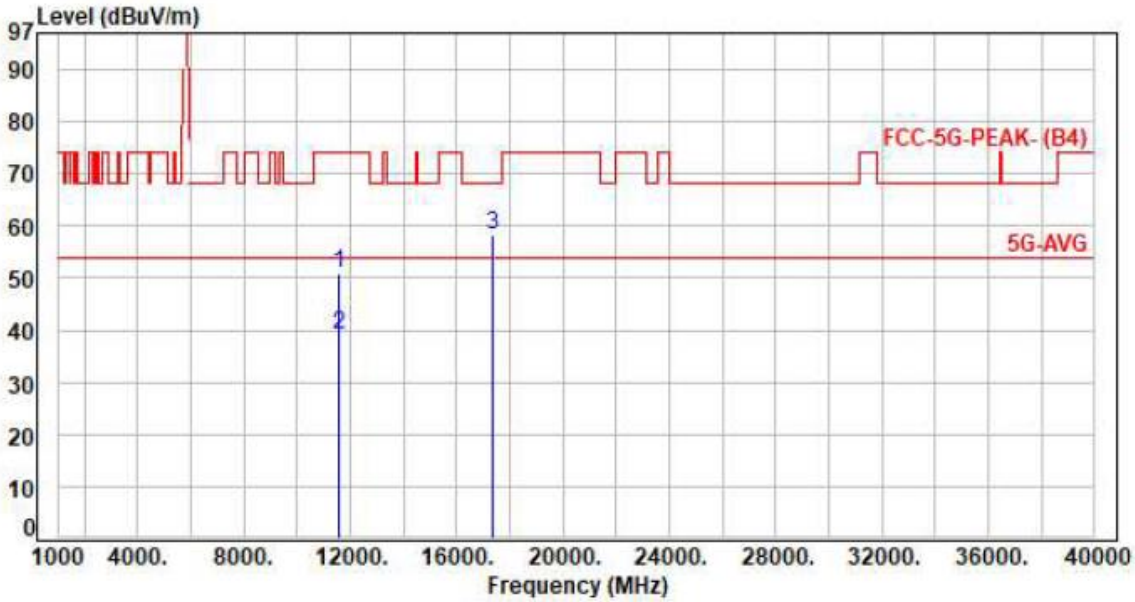
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 2, 802.11ac VHT20 CH149 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11490.00	13.03	35.21	48.24	74.00	-25.76	Peak	P
2	11490.00	13.03	23.04	36.07	54.00	-17.93	Average	P
3	17235.00	19.95	40.17	60.12	68.20	-8.08	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

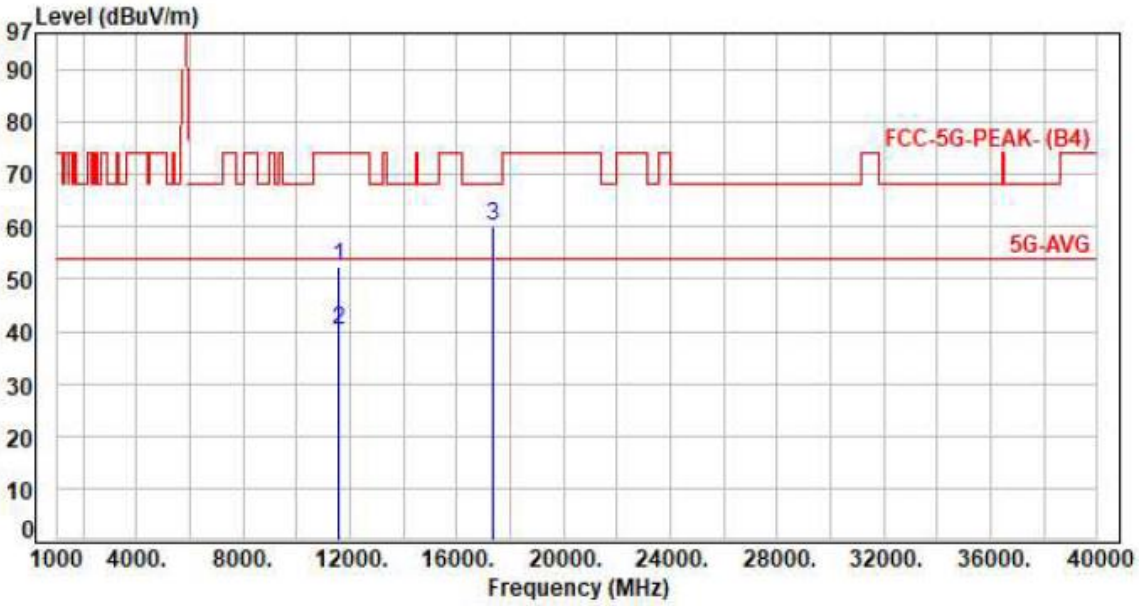
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 2, 802.11ac VHT20 CH157 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11570.00	13.12	37.71	50.83	74.00	-23.17	Peak	P
2	11570.00	13.12	26.14	39.26	54.00	-14.74	Average	P
3	17355.00	20.34	37.91	58.25	68.20	-9.95	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

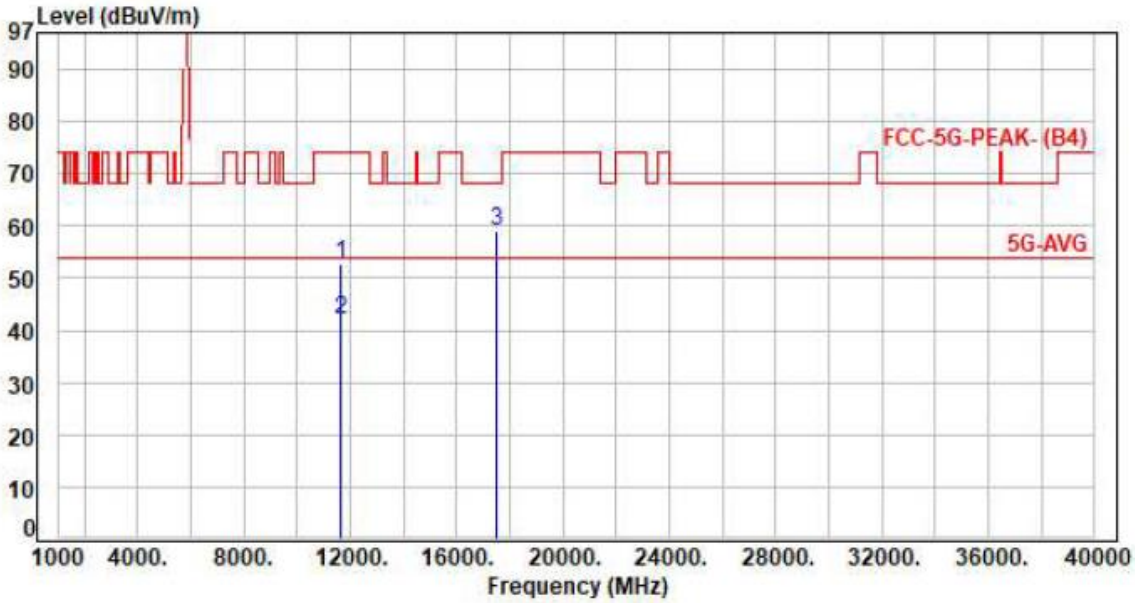
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 2, 802.11ac VHT20 CH157 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11570.00	13.12	39.12	52.24	74.00	-21.76	Peak	P
2	11570.00	13.12	27.12	40.24	54.00	-13.76	Average	P
3	17355.00	20.34	39.67	60.01	68.20	-8.19	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

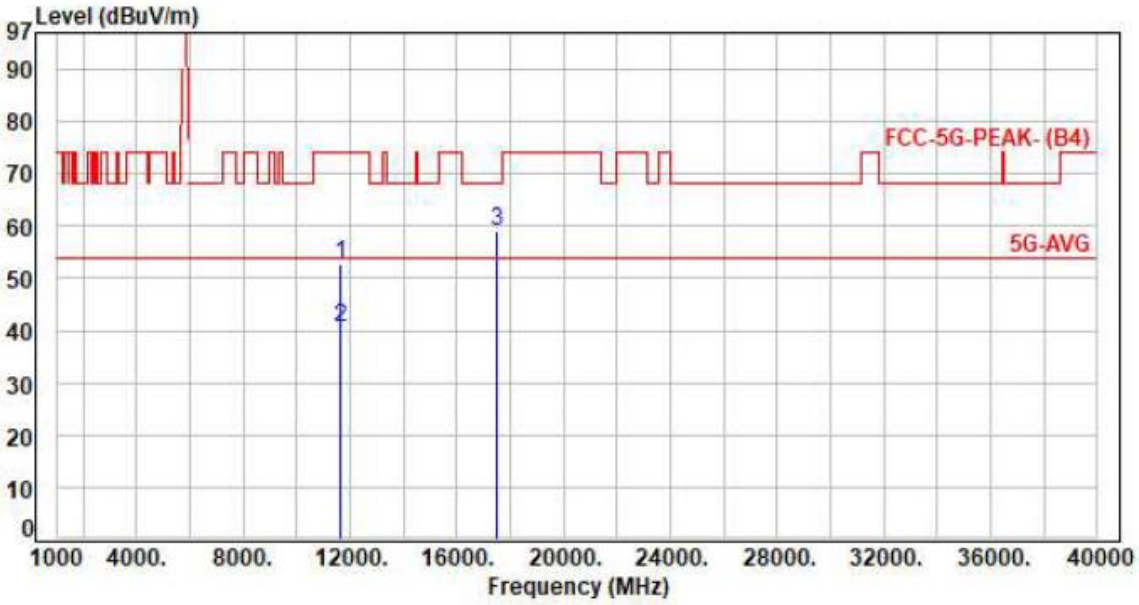
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 2, 802.11ac VHT20 CH165 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11650.00	13.19	39.42	52.61	74.00	-21.39	Peak	P
2	11650.00	13.19	28.79	41.98	54.00	-12.02	Average	P
3	17475.00	20.72	38.30	59.02	68.20	-9.18	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

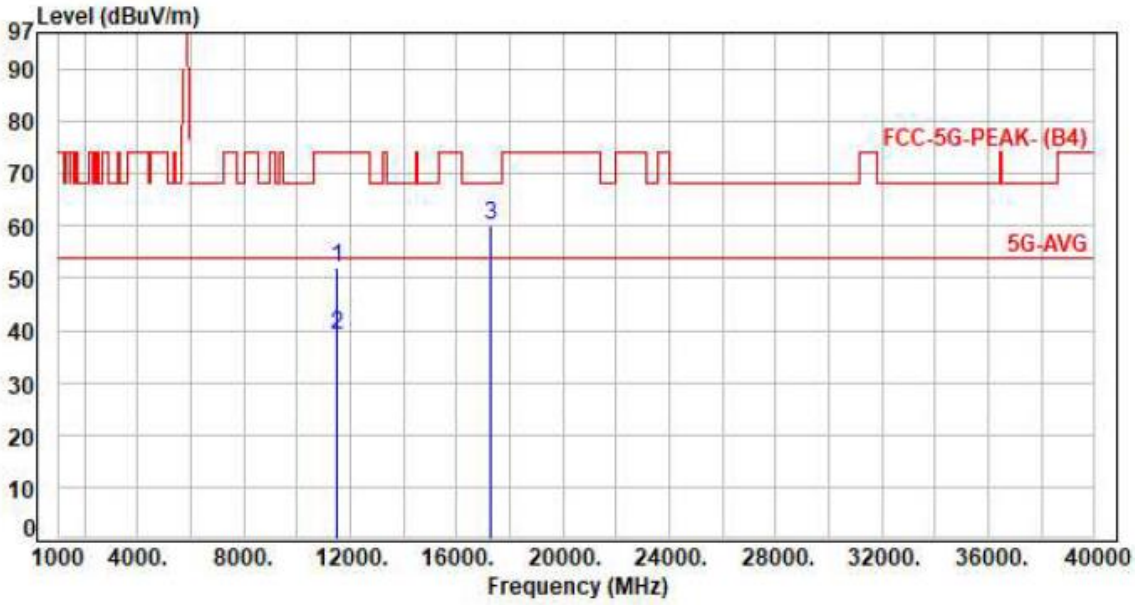
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 2, 802.11ac VHT20 CH165 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11650.00	13.19	39.54	52.73	74.00	-21.27	Peak	P
2	11650.00	13.19	27.50	40.69	54.00	-13.31	Average	P
3	17475.00	20.72	38.42	59.14	68.20	-9.06	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

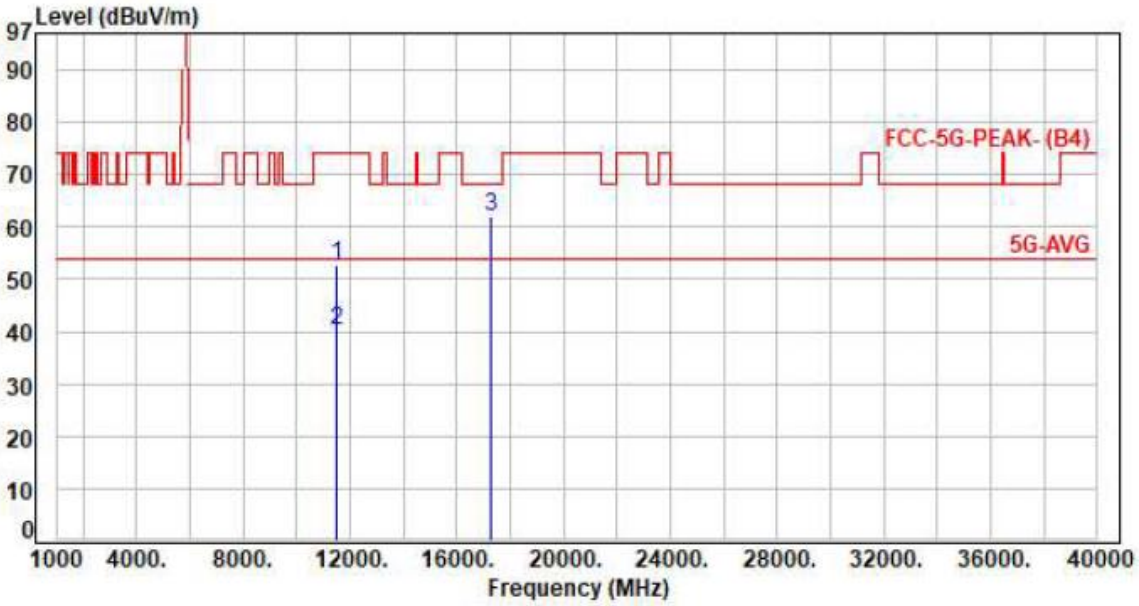
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT40 CH151 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11510.00	13.07	38.95	52.02	74.00	-21.98	Peak	P
2	11510.00	13.07	26.10	39.17	54.00	-14.83	Average	P
3	17265.00	20.04	40.04	60.08	68.20	-8.12	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

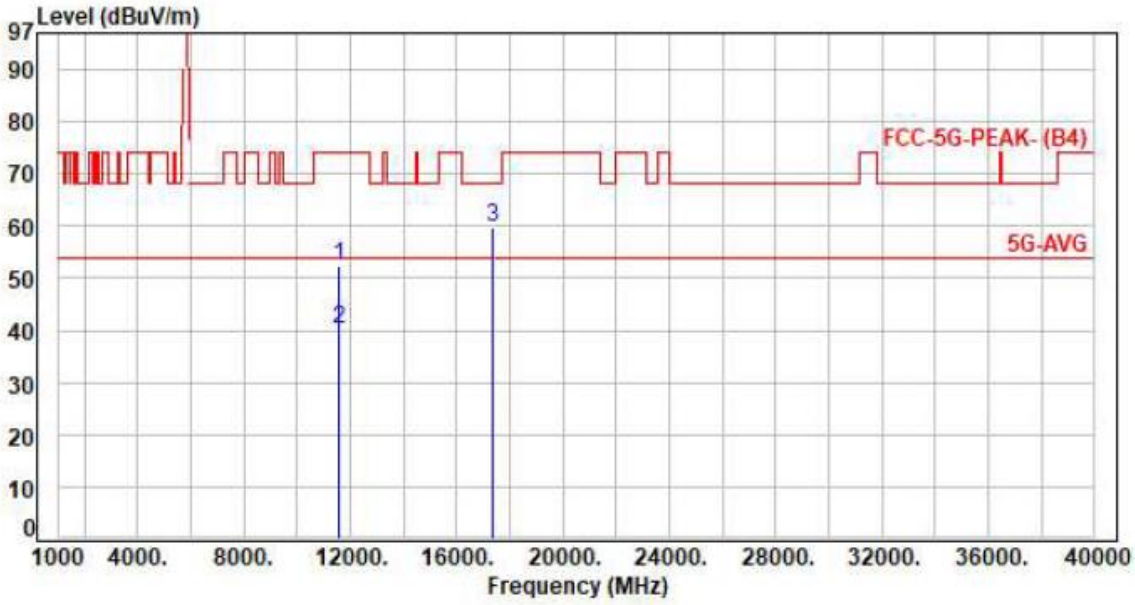
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT40 CH151 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11510.00	13.07	39.54	52.61	74.00	-21.39	Peak	P
2	11510.00	13.07	27.20	40.27	54.00	-13.73	Average	P
3	17265.00	20.04	41.85	61.89	68.20	-6.31	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

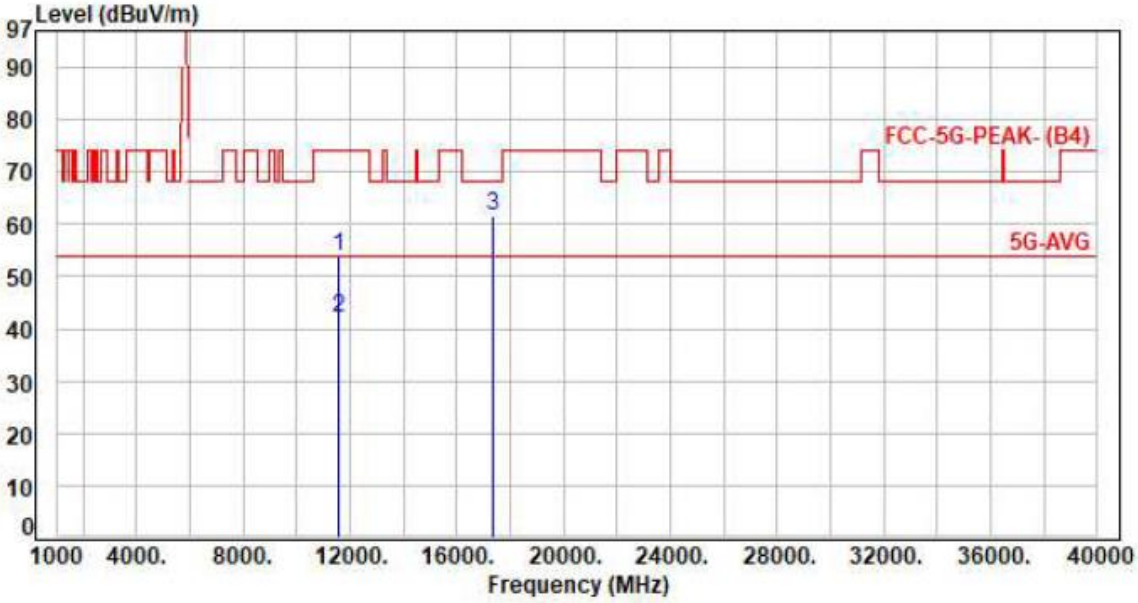
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT40 CH159 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11590.00	13.12	39.12	52.24	74.00	-21.76	Peak	P
2	11590.00	13.12	27.00	40.12	54.00	-13.88	Average	P
3	17385.00	20.44	39.19	59.63	68.20	-8.57	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

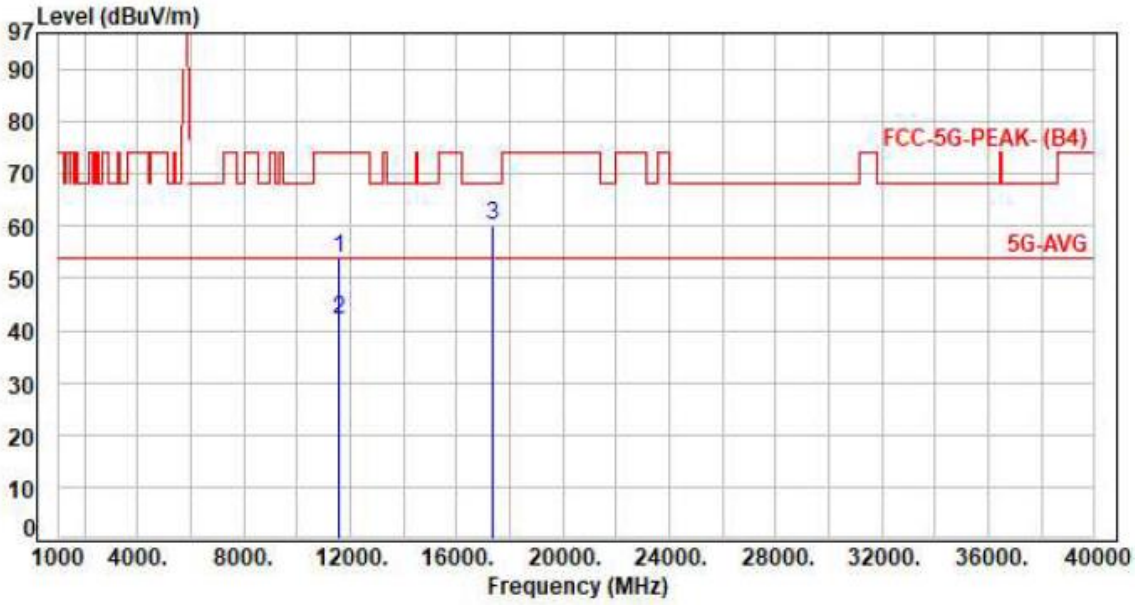
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT40 CH159 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11590.00	13.12	40.73	53.85	74.00	-20.15	Peak	P
2	11590.00	13.12	28.85	41.97	54.00	-12.03	Average	P
3	17385.00	20.44	41.28	61.72	68.20	-6.48	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

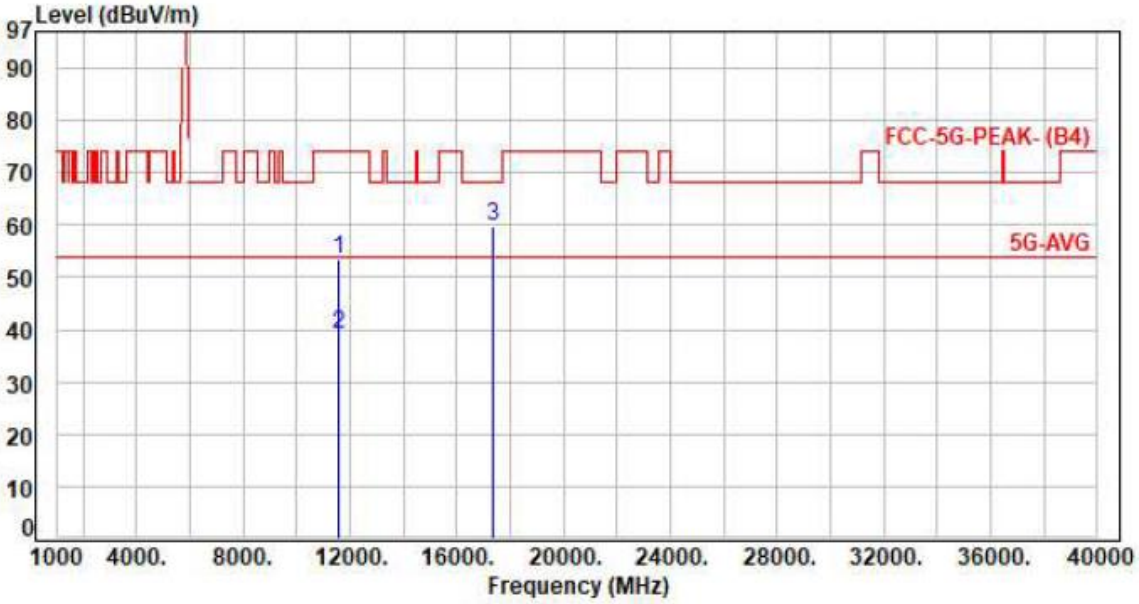
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4, 802.11ac VHT80 CH155 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11550.00	13.10	40.71	53.81	74.00	-20.19	Peak	P
2	11550.00	13.10	28.89	41.99	54.00	-12.01	Average	P
3	17325.00	20.24	40.03	60.27	68.20	-7.93	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 4, 802.11ac VHT80 CH155 UNII-3		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11550.00	13.10	40.24	53.34	74.00	-20.66	Peak	P
2	11550.00	13.10	26.05	39.15	54.00	-14.85	Average	P
3	17325.00	20.24	39.39	59.63	68.20	-8.57	Peak	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

6.7. Restricted Bands of Operation

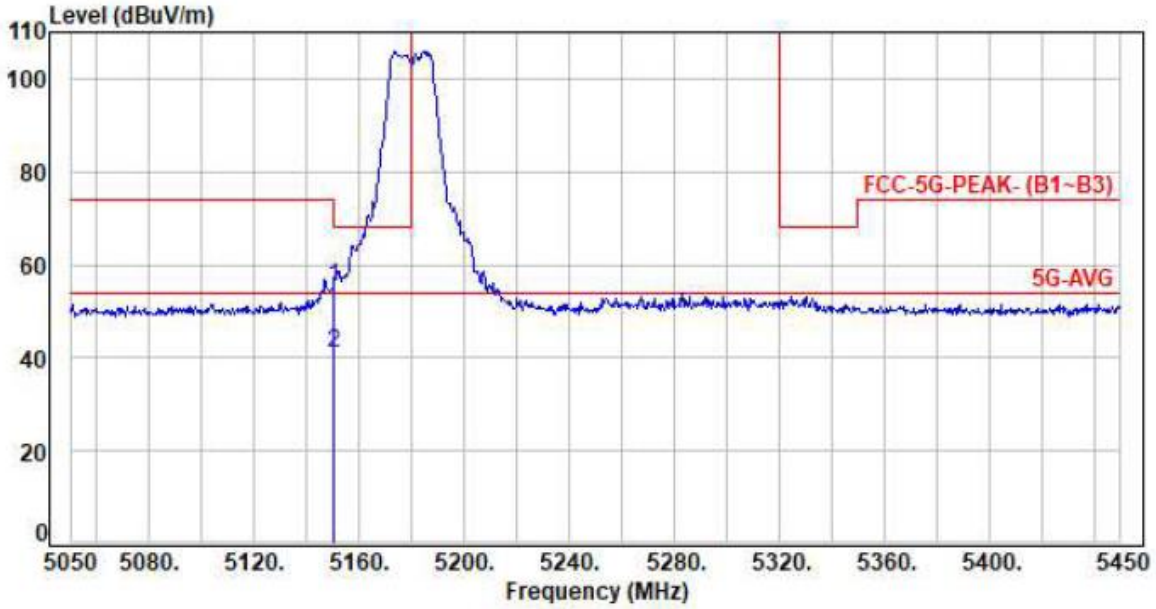
Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.150
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

**: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

6.8. Restrict Band Emission Measurement Data

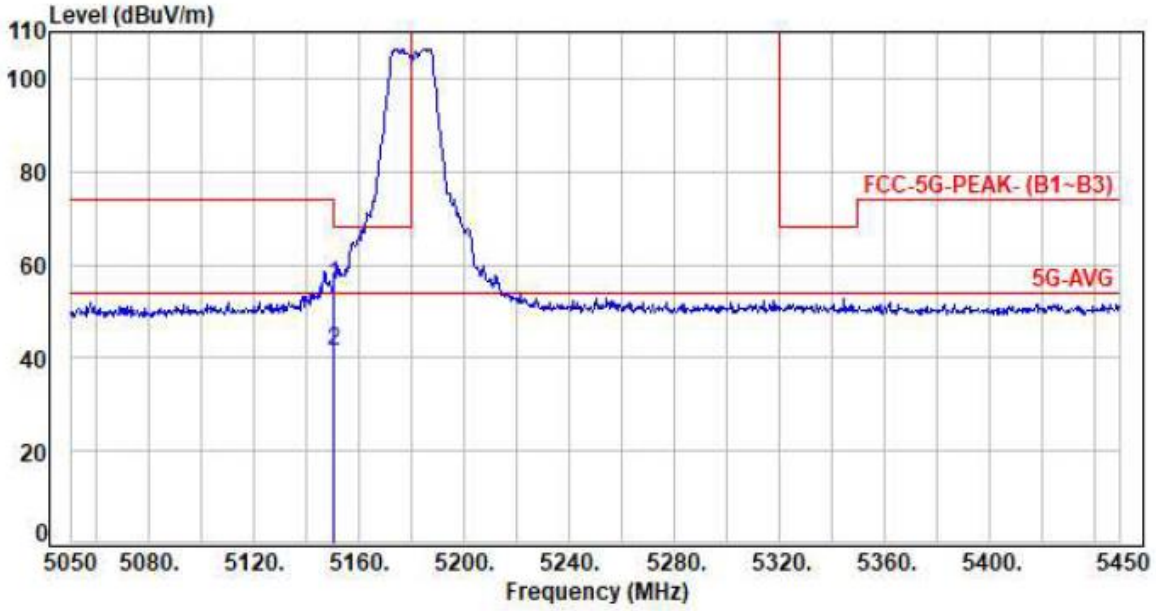
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	2.53	52.66	55.19	74.00	-18.81	Peak	P
2	5150.00	2.53	38.50	41.03	54.00	-12.97	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

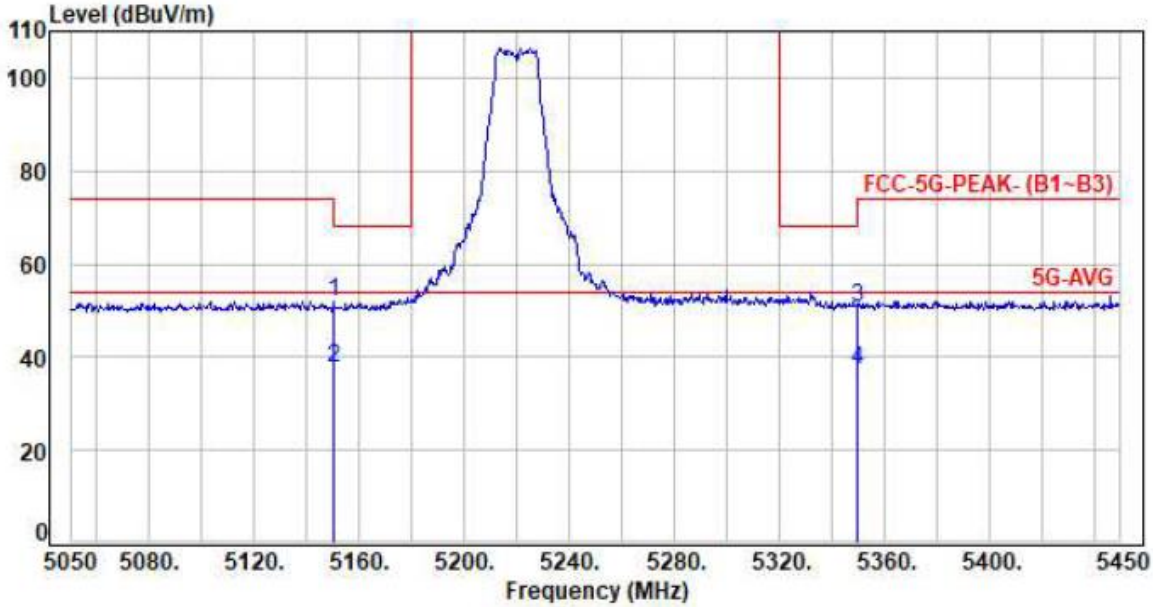
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	2.53	53.24	55.77	74.00	-18.23	Peak	P
2	5150.00	2.53	38.75	41.28	54.00	-12.72	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

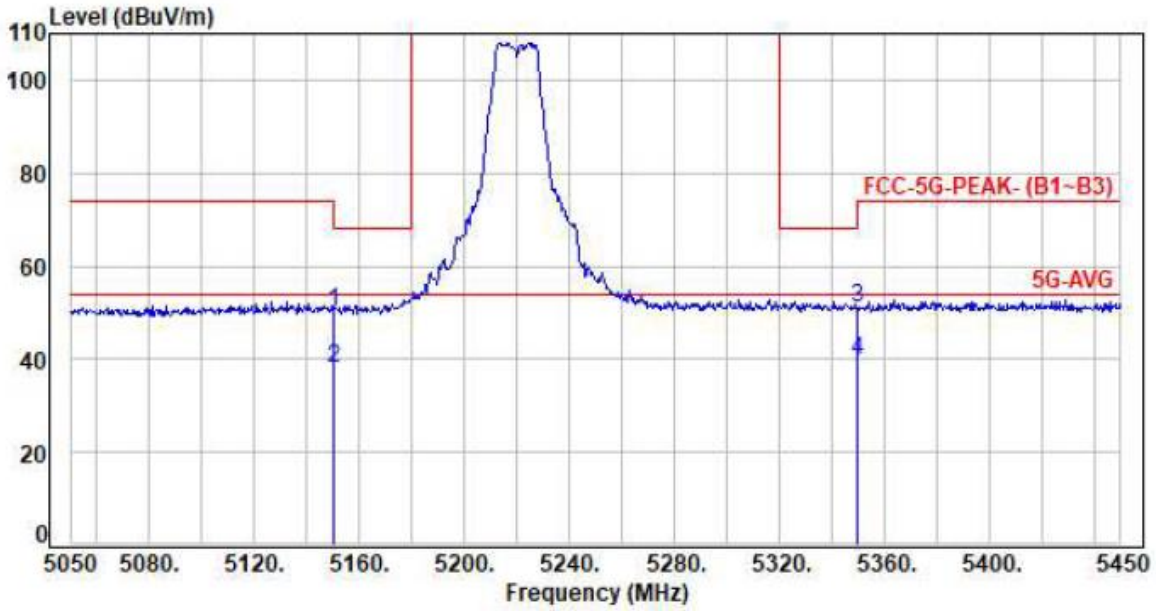
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	2.53	49.27	51.80	74.00	-22.20	Peak	P
2	5150.00	2.53	35.27	37.80	54.00	-16.20	Average	P
3	5350.00	2.58	47.93	50.51	74.00	-23.49	Peak	P
4	5350.00	2.58	34.62	37.20	54.00	-16.80	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

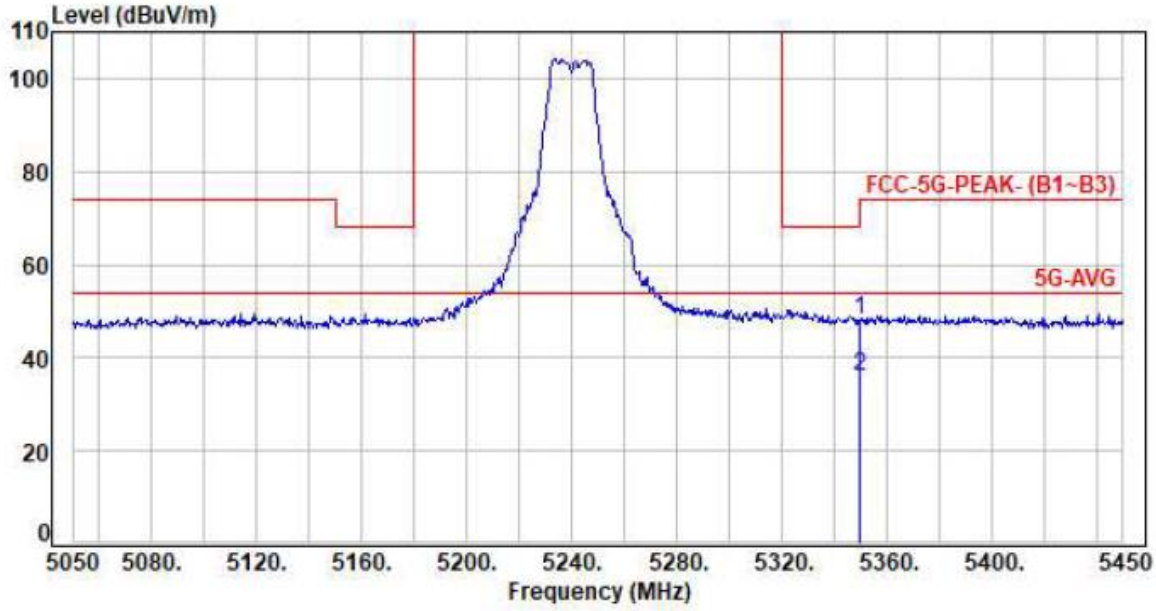
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	2.53	47.69	50.22	74.00	-23.78	Peak	P
2	5150.00	2.53	35.46	37.99	54.00	-16.01	Average	P
3	5350.00	2.58	48.35	50.93	74.00	-23.07	Peak	P
4	5350.00	2.58	37.02	39.60	54.00	-14.40	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

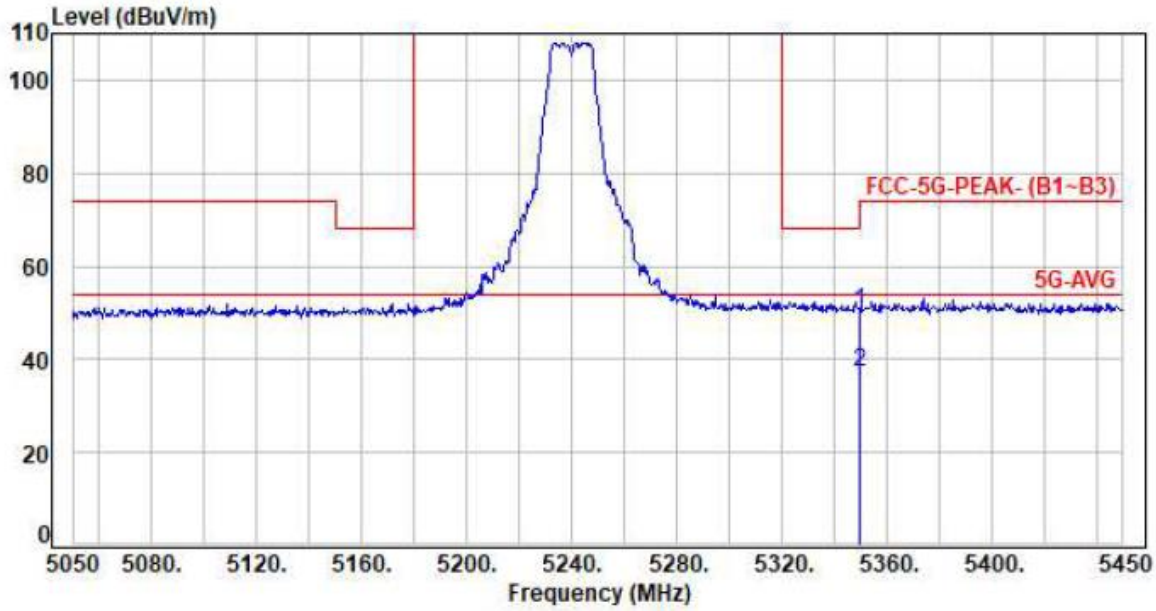
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5350.00	2.58	45.36	47.94	74.00	-26.06	Peak	P
2	5350.00	2.58	33.32	35.90	54.00	-18.10	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

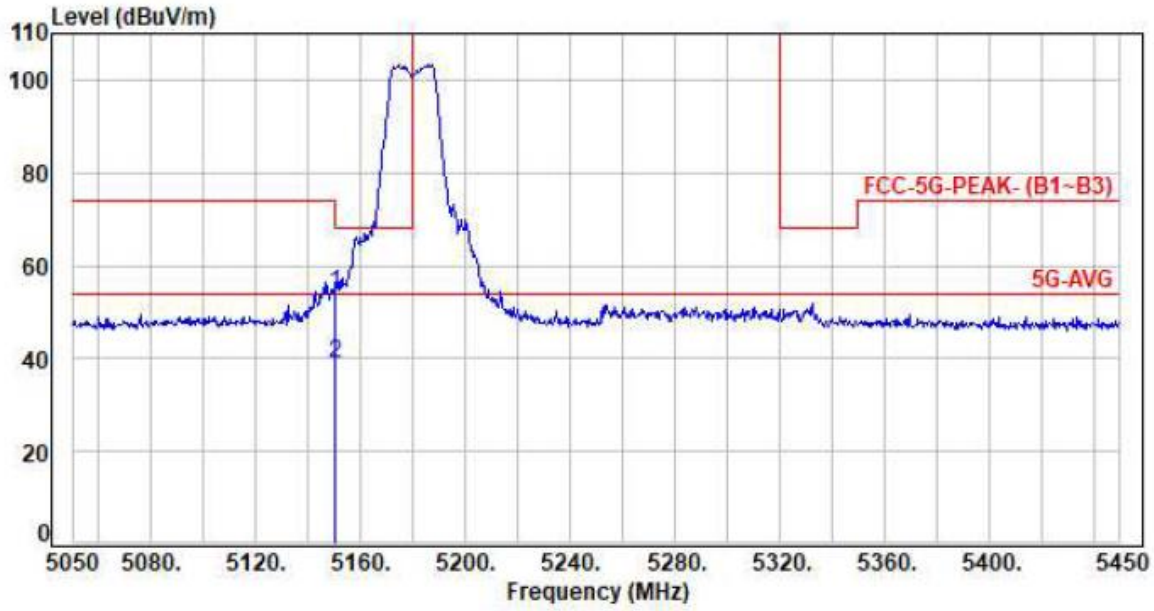
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5350.00	2.58	47.77	50.35	74.00	-23.65	Peak	P
2	5350.00	2.58	34.54	37.12	54.00	-16.88	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

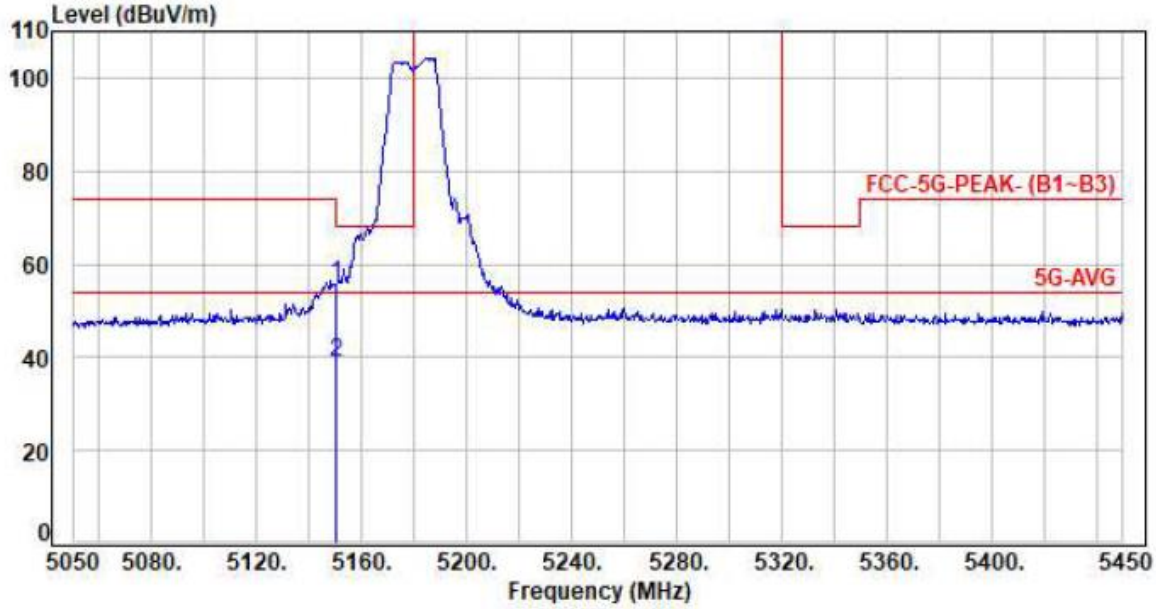
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 2, 802.11ac VHT20 CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	2.53	51.41	53.94	74.00	-20.06	Peak	P
2	5150.00	2.53	36.21	38.74	54.00	-15.26	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

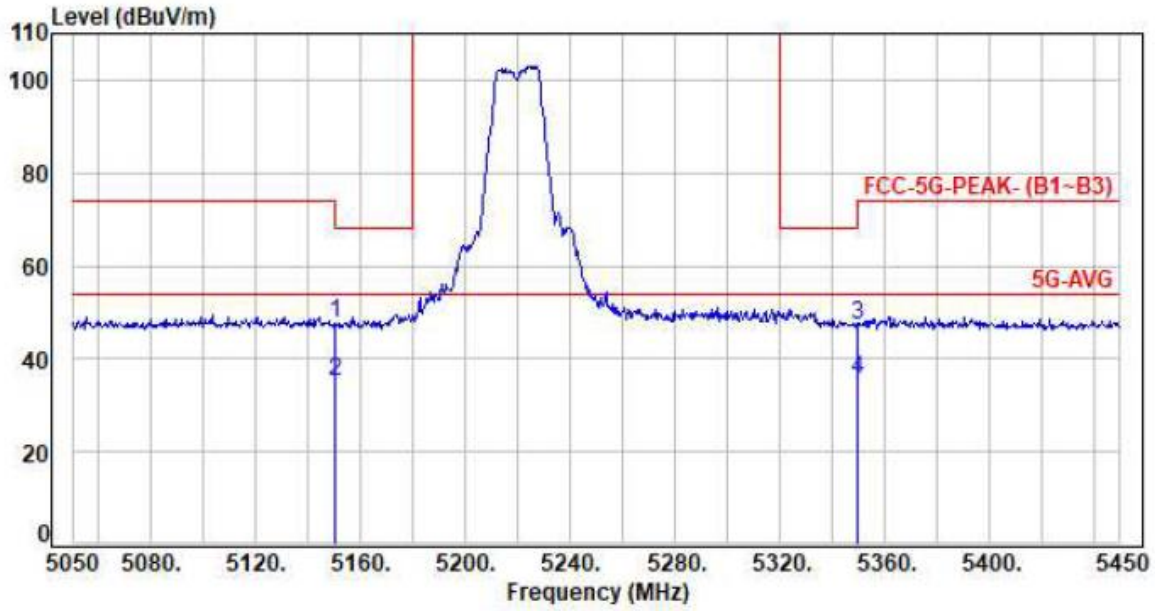
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 2, 802.11ac VHT20 CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	2.53	53.01	55.54	74.00	-18.46	Peak	P
2	5150.00	2.53	36.44	38.97	54.00	-15.03	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

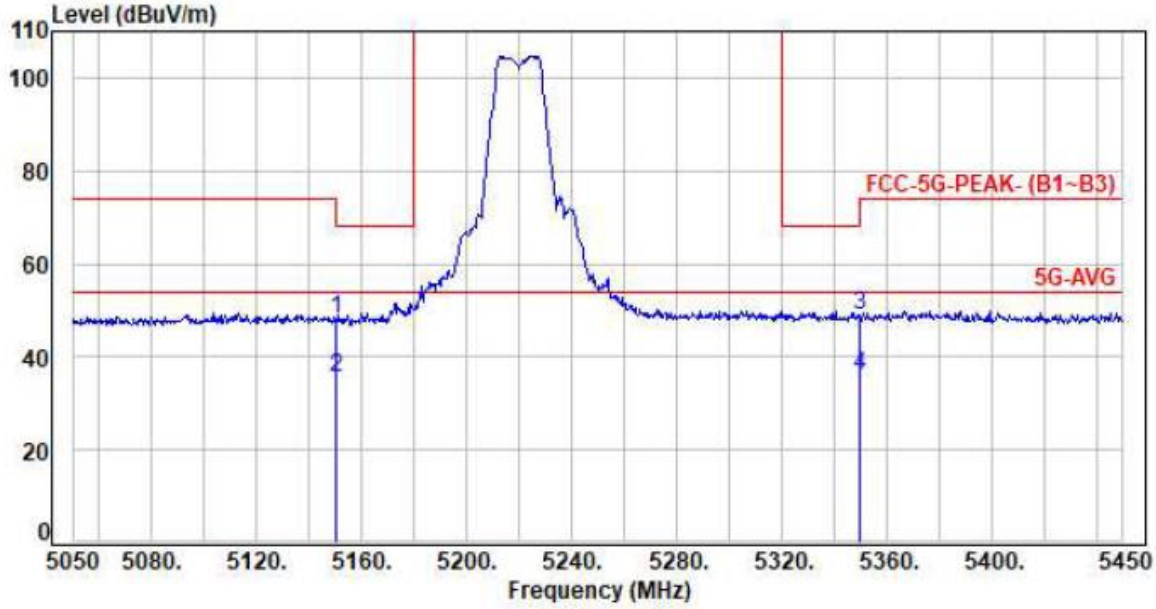
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 2, 802.11ac VHT20 CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	2.53	45.01	47.54	74.00	-26.46	Peak	P
2	5150.00	2.53	32.69	35.22	54.00	-18.78	Average	P
3	5350.00	2.58	44.85	47.43	74.00	-26.57	Peak	P
4	5350.00	2.58	32.79	35.37	54.00	-18.63	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

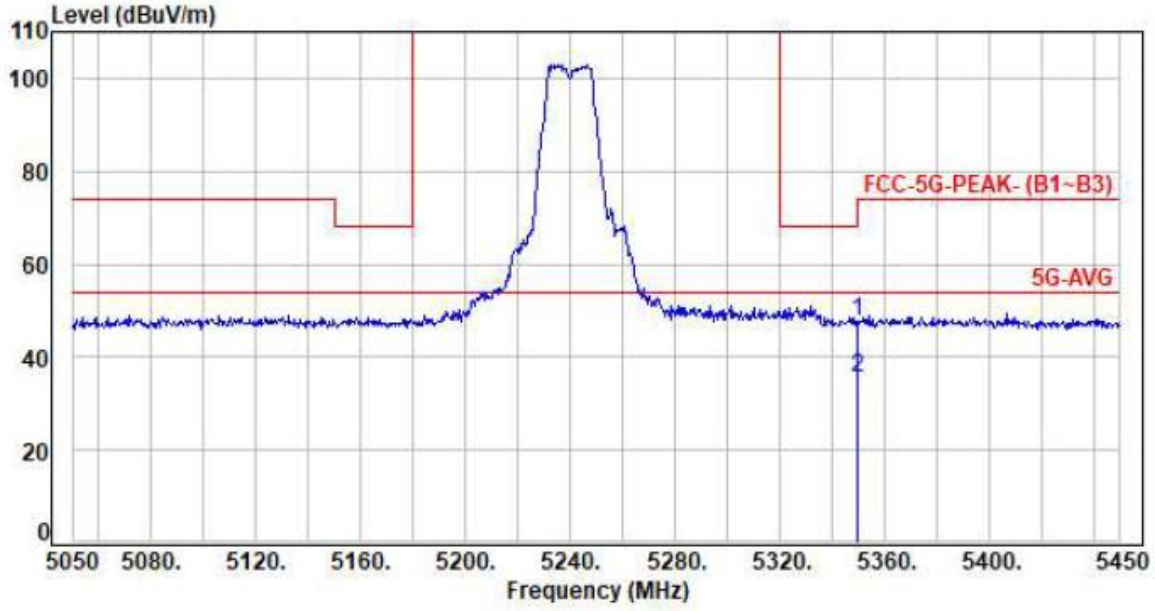
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 2, 802.11ac VHT20 CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	2.53	45.72	48.25	74.00	-25.75	Peak	P
2	5150.00	2.53	32.91	35.44	54.00	-18.56	Average	P
3	5350.00	2.58	46.52	49.10	74.00	-24.90	Peak	P
4	5350.00	2.58	33.35	35.93	54.00	-18.07	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

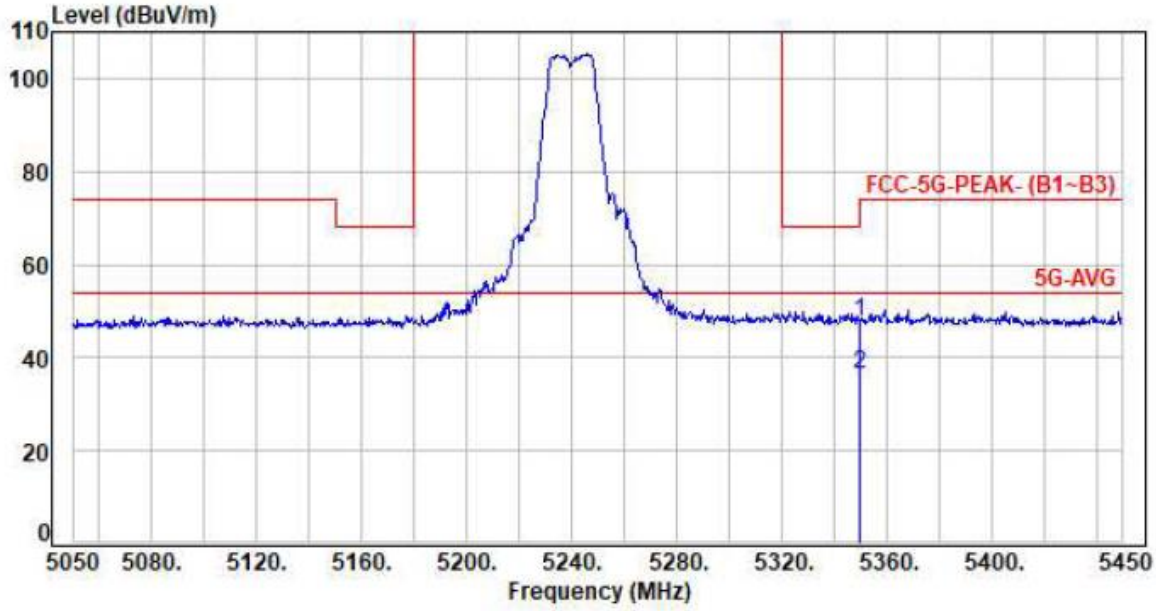
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 2, 802.11ac VHT20 CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5350.00	2.58	45.04	47.62	74.00	-26.38	Peak	P
2	5350.00	2.58	32.98	35.56	54.00	-18.44	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor

Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 2, 802.11ac VHT20 CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5350.00	2.58	45.21	47.79	74.00	-26.21	Peak	P
2	5350.00	2.58	33.67	36.25	54.00	-17.75	Average	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor