FCC RADIO TEST REPORT

Applicant	:	Acer India PVT Limited
Address	:	Acer India PVT Limited, 6th Floor, Embassy Heights, No. 13, Magrath Road, Bangalore- 560025, India
Equipment	:	Wifi module
Model No.	:	WXT2JM2511, WXT2JM2511(ACER ALTOS EZBA65), WXT2JM2511(ACER ALTOS EZB65), WXT2JM2511(ALTOS EZBA65), WXT2JM2511(ALTOS EZB65), WXT2JM2511(ACER ALTOS EZBA75), WXT2JM2511(ACER ALTOS EZB75), WXT2JM2511(ALTOS EZBA75), WXT2JM2511(ALTOS EZB75), WXT2JM2511(ACER ALTOS EZBA86), WXT2JM2511(ACER ALTOS EZB86), WXT2JM2511(ALTOS EZBA86), WXT2JM2511(ALTOS EZB86), WXT2JM2511(ACER ALTOS EZBA98), WXT2JM2511(ACER ALTOS EZB98),WXT2JM2511(ALTOS EZBA98), WXT2JM2511(ALTOS EZB98)
Trade Name	:	ACER，ALTOS
FCC ID	:	2A94K-WXT2JM2511
Standard	:	**FCC part 15 Subpart E §15.407**

I HEREBY CERTIFY THAT:

The sample was received on Aug. 05, 2024 and the testing was completed on Aug. 21, 2024 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

Leevin Li /Supervisor

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History of this test report

Version No.	Report No	Date	Description
Rev.01	24080098-DRFCC02	Aug. 26, 2024	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
FCC KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

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 under Test

Equipment	Wifi module
Model Name	WXT2JM2511, WXT2JM2511(ACER ALTOS EZBA65), WXT2JM2511(ACER ALTOS EZB65), WXT2JM2511(ALTOS EZBA65), WXT2JM2511(ALTOS EZB65), WXT2JM2511(ACER ALTOS EZBA75), WXT2JM2511(ACER ALTOS EZB75), WXT2JM2511(ALTOS EZBA75), WXT2JM2511(ALTOS EZB75), WXT2JM2511(ACER ALTOS EZBA86), WXT2JM2511(ACER ALTOS EZB86), WXT2JM2511(ALTOS EZBA86), WXT2JM2511(ALTOS EZB86), WXT2JM2511(ACER ALTOS EZBA98), WXT2JM2511(ACER ALTOS EZB98),WXT2JM2511(ALTOS EZBA98), WXT2JM2511(ALTOS EZB98)
Model Discrepancy	All models are identical to each other except for model name and trade name. Model WXT2JM2511 is the representative for final test.
Frequency Range	BT/BLE/ WIFI 2.4G: 2400MHz-2483.5MHz WIFI 5G: 5150MHz-5250MHz, 5250MHz-5350MHz, 5470MHz -5725MHz, 5725MHz -5850MHz
Modulation Type	BT: GFSK, π/4-DQPSK, 8DPSK BLE: GFSK 2.4GHz 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz 802.11a/n: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Data Rate	BT: GFSK:1Mbps, π/4-DQPSK: 2Mbps, 8DPSK:3Mbps BLE: GFSK: 1Mbps, 2Mbps, 125kbps, 500kbps WIFI 2.4GHz: 802.11b: 1, 2 ,5.5,11Mbps 802.11g: 6,9,12,18,24,36,48,54Mbps 802.11n: MCS0-MCS15, HT20/HT40 802.11ax: MCS0-MCS11, HE20/HE40 WIFI 5GHz: 802.11a: 6,9,12,18,24,36,48,54Mbps 802.11n: MCS0-MCS15, HT20/HT40 802.11ac: MCS0-MCS9, VHT20/40/80 802.11ax: MCS0-MCS11, HE20/HE40/HE80
Working Temperature	0°C to 60°C
EUT Power Rating:	5V±10%

Note:

1. EUT support Client mode without radar detection.
2. For more details, please refer to the User's manual of the EUT.

2.2. Carrier Frequency of Channels

Band: 5150MHz-5250MHz

802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

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

Band: 5250MHz-5350MHz

802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***52**	**5260**	***60**	**5300**
56	5280	***64**	**5320**

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***54**	**5270**	***62**	**5310**

802.11ac VHT80, 802.11ax HE80

Channel	Frequency(MHz)
***58**	**5290**

Band: 5470MHz-5725MHz

802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***100**	**5500**	124	5620
104	5520	128	5640
108	5540	132	5660
112	5560	136	5680
***116**	**5580**	***140**	**5700**
120	5600		

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***102**	**5510**	126	5630
110	5550	***134**	**5670**
***118**	**5590**		

802.11ac VHT80, 802.11ax HE80

Channel	Frequency(MHz)	Channel	Frequency(MHz)
***106**	**5530**	***122**	**5610**

Band: 5725MHz-5850MHz

802.11a, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

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 support unit and EUT for RF test.
c. An executive program, “QATool_Dbg.exe (Ver.: 0.0.2.39)” under Windows 10 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 for 120V
2	802.11n HT20 for 120V
3	802.11n HT40 for 120V
4	802.11ac VHT20 for 120V
5	802.11ac VHT40 for 120V
6	802.11ac VHT80 for 120V
7	802.11ax HE20 for 120V
8	802.11ax HE40 for 120V
9	802.11ax HE80 for 120V
10	802.11ac VHT20 for 240V
caused “Test Mode 4 at CH52:5260MHz” 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 HT20 (13.5Mbps)
4	802.11ac VHT20 (6.5Mbps)
5	802.11ac VHT40 (13.5Mbps)
6	802.11ac VHT80 (29.3Mbps)
7	802.11ax HE20 (7.3Mbps)
8	802.11ax HE40 (14.6Mbps)
9	802.11ax HE80 (30.6Mbps)
caused “Test Mode 4 at CH52:5260MHz” generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 40GHz) for 1TX	
Test Mode	Operating Description
1	802.11a (6Mbps)
caused “Test Mode 1 for Ant B” generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 40GHz) for 2TX	
Test Mode	Operating Description
1	802.11n HT20 (6.5Mbps)
2	802.11n HT40 (13.5Mbps)
3	802.11ac VHT20 (6.5Mbps)
4	802.11ac VHT40 (13.5Mbps)
5	802.11ac VHT80 (29.3Mbps)
6	802.11ax HE20 (7.3Mbps)
7	802.11ax HE40 (14.6Mbps)
8	802.11ax HE80 (30.6Mbps)
caused “Test Mode 3~8” generated the worst case, it was reported as the final data.	

Modulation Type	TX CONFIGURATION
802.11a	1TX
802.11n HT20	2TX
802.11n HT40	2TX
802.11ac VHT20	2TX

802.11ac VHT40	2TX
802.11ac VHT80	2TX
802.11ax HE20	2TX
802.11ax HE40	2TX
802.11ax HE80	2TX
* 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	15	15	N/A	N/A
	5220	15	15	N/A	N/A
	5240	15	15	N/A	N/A
802.11n HT20	5180	N/A	N/A	15	15
	5220	N/A	N/A	15	15
	5240	N/A	N/A	15	15
802.11n HT40	5190	N/A	N/A	13	13
	5230	N/A	N/A	13	13
802.11ac VHT20	5180	N/A	N/A	15	15
	5220	N/A	N/A	15	15
	5240	N/A	N/A	15	15
802.11ac VHT40	5190	N/A	N/A	13	13
	5230	N/A	N/A	13	13
802.11ac VHT80	5210	N/A	N/A	12	12
802.11ax HE20	5180	N/A	N/A	15	15
	5220	N/A	N/A	15	15
	5240	N/A	N/A	15	15
802.11ax HE40	5190	N/A	N/A	13	13
	5230	N/A	N/A	13	13
802.11ax HE80	5210	N/A	N/A	12	12

Band: 5250MHz-5350MHz					
Mode	Frequency (MHz)	Setting level			
		Ant 1	Ant 2	Ant 1+2	
				Ant 1	Ant 2
802.11a	5260	15	15	N/A	N/A
	5300	15	15	N/A	N/A
	5320	15	15	N/A	N/A
802.11n HT20	5260	N/A	N/A	15	15
	5300	N/A	N/A	15	15
	5320	N/A	N/A	15	15
802.11n HT40	5270	N/A	N/A	13	13
	5310	N/A	N/A	13	13
802.11ac VHT20	5260	N/A	N/A	15	15
	5300	N/A	N/A	15	15
	5320	N/A	N/A	15	15
802.11ac VHT40	5270	N/A	N/A	13	13
	5310	N/A	N/A	13	13
802.11ac VHT80	5290	N/A	N/A	12	12
802.11ax HE20	5260	N/A	N/A	15	15
	5300	N/A	N/A	15	15
	5320	N/A	N/A	15	15
802.11ax HE40	5270	N/A	N/A	13	13
	5310	N/A	N/A	13	13
802.11ax HE80	5290	N/A	N/A	12	12

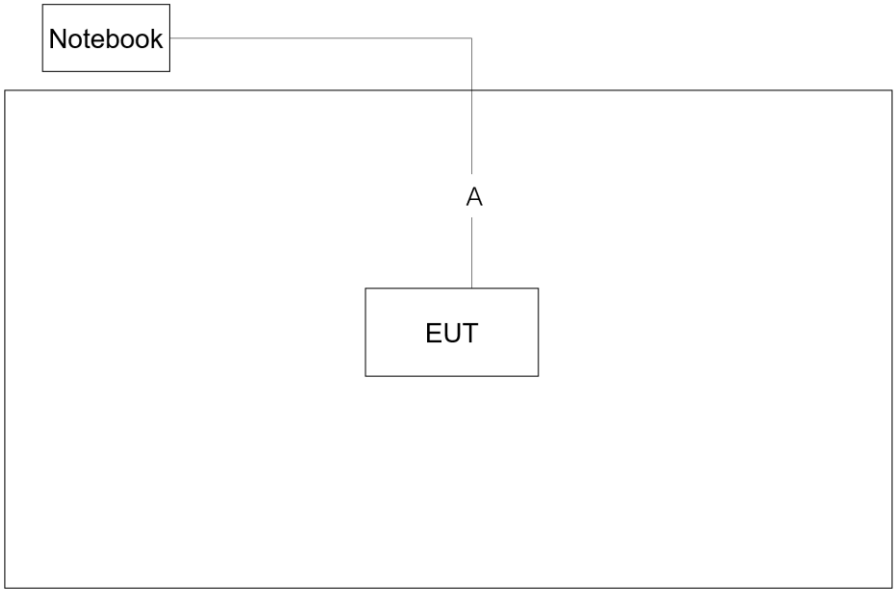
Band: 5470MHz -5725MHz					
Mode	Frequency (MHz)	Setting level			
		Ant 1	Ant 2	Ant 1+2	
				Ant 1	Ant 2
802.11a	5500	15	15	N/A	N/A
	5580	15	15	N/A	N/A
	5700	15	15	N/A	N/A
802.11n HT20	5500	N/A	N/A	15	15
	5580	N/A	N/A	15	15
	5700	N/A	N/A	15	15
802.11n HT40	5510	N/A	N/A	13	13
	5590	N/A	N/A	13	13
	5670	N/A	N/A	13	13
802.11ac VHT20	5500	N/A	N/A	15	15
	5580	N/A	N/A	15	15
	5700	N/A	N/A	15	15
802.11ac VHT40	5510	N/A	N/A	13	13
	5590	N/A	N/A	13	13
	5670	N/A	N/A	13	13
802.11ac VHT80	5530	N/A	N/A	12	12
	5610	N/A	N/A	12	12
802.11ax HE20	5500	N/A	N/A	15	15
	5580	N/A	N/A	15	15
	5700	N/A	N/A	15	15
802.11ax HE40	5510	N/A	N/A	13	13
	5590	N/A	N/A	13	13
	5670	N/A	N/A	13	13
802.11ax HE80	5530	N/A	N/A	12	12
	5610	N/A	N/A	12	12

Band: 5725MHz -5850MHz					
Mode	Frequency (MHz)	Setting level			
		Ant 1	Ant 2	Ant 1+2	
				Ant 1	Ant 2
802.11a	5745	15	15	N/A	N/A
	5785	15	15	N/A	N/A
	5825	15	15	N/A	N/A
802.11n HT20	5745	N/A	N/A	15	15
	5785	N/A	N/A	15	15
	5825	N/A	N/A	15	15
802.11n HT40	5755	N/A	N/A	13	13
	5795	N/A	N/A	13	13
802.11ac VHT20	5745	N/A	N/A	15	15
	5785	N/A	N/A	15	15
	5825	N/A	N/A	15	15
802.11ac VHT40	5755	N/A	N/A	13	13
	5795	N/A	N/A	13	13
802.11ac VHT80	5775	N/A	N/A	12	12
802.11ax HE20	5745	N/A	N/A	15	15
	5785	N/A	N/A	15	15
	5825	N/A	N/A	15	15
802.11ax HE40	5755	N/A	N/A	13	13
	5795	N/A	N/A	13	13
802.11ax HE80	5775	N/A	N/A	12	12

2.5. Description of Test System

	Product	Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	SONY	PCG-71811P	27544574 7000251	Non-Shielded, 1.8m

Connection Diagram



Signal Cable Type		Quantity	Signal cable Description
A	USB Cable	1	5.0m 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 9kHz 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	2024/08/16~2024/08/20	23~25℃ / 51~55%	Amos Zhang
Radiated Emissions	3M01-DG	2024/08/14~2024/08/21	23~26℃ / 52~58%	Amos Zhang
AC Power Line Conducted Emission	CON02-DG	2024/08/14	22℃ / 60%	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)	±4.10dB
Radiated Spurious Emission(30MHz~1GHz)	±4.51dB
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	CON02-DG				
Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
ESR·EMI TEST RECEIYER	R&S	ESR3	102728	2024/08/01	2025/07/31
Two-Line V-Network	R&S	ENV216	100325	2024/08/01	2025/07/31
LISN	SCHWARZBECK	NSLK 8127	8127749	2024/08/01	2025/07/31
Cable	Aoda	RG214	Cable-07	2024/08/01	2025/07/31
Temperature/ Humidity Meter	GEMLEAD	STH200A	N/A	2024/08/02	2025/08/01
Software	AUDIX	E3	Version: 8.14806b	N/A	N/A

Radiated Emissions					
Test Site	3M01-DG				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
EMI Test Receiver	R&S	ESCI	100565	2024/08/01	2025/07/31
Amplifier	EMCI	EMC330	980082	2024/01/03	2025/01/02
Loop Antenna	R&S	HFH2-Z2	100150	2024/01/03	2026/01/02
Bilog Antenna	Sunol Science	JB1	A072414-3	2023/06/18	2025/06/17
Preamplifier	Agilent	8449B	3008A02342	2024/08/01	2025/07/31
Preamplifier	COM-POWER	PA-840	711885	2024/01/03	2025/01/02
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120 D	9120D-619	2024/01/03	2026/01/02
Standard Gain Horn Antenna	TRC	HA-2640	18050	2024/01/03	2026/01/02
Standard Gain Horn Antenna	TRC	HA-1726	18051	2024/01/03	2026/01/02
FSQ Signal Analyzer	R&S	FSQ40	200012	2024/01/03	2025/01/02
Cable	EMCI	EM104-NM SM-8.5M	Cable-03	2024/08/01	2025/07/31
Cable	Jiuzhoubona	T-SMA	SMA48AL-70 00	2024/08/01	2025/07/31
Cable	CH-CoDesigh	CCXA81-S MAMNM-1 M	Cable-05	2024/08/01	2025/07/31
Cable	CH-CoDesigh	CCXA40-2. 92-2.92-1M	21071954	2024/08/02	2025/08/01
Cable	CH-CoDesigh	CCX40-2.92 M-2.92M-9 M	21070892	2024/08/02	2025/08/01
Temperature/ Humidity Meter	GEMLEAD	STH200A	N/A	2024/08/02	2025/08/01
Software	AUDIX	E3	Version: 8.14806b	N/A	N/A

RF Conducted					
Test Site	RFCON01-DG				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
MXA Signal Analyzer	KEYSIGHT	N9020A	US46220290	2024/01/03	2025/01/02
EXA Signal Analyzer	KEYSIGHT	N9010A	MY53400169	2024/01/03	2025/01/02
ESG VECTOR SIGNAL GENERATOR	Agilent	E4438C	MY45092582	2024/01/03	2025/01/02
MXG VECTOR SIGNAL GENERATOR	Agilent	N5182B	MY53050127	2024/01/03	2025/01/02
USB Wideband Power Sensor	Boonton	55006	9778	2024/08/02	2025/08/01
Temperature/ Humidity Meter	mingle	ETH529	N/A	2024/01/03	2025/01/02

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

Antenna Type	PIFA Antenna
Antenna Gain	5150MHz - 5250MHz: ANT A:6.51dBi; ANT B:6.28dbi 5250MHz - 5350MHz: ANT A:6.51dBi; ANT B:6.30dbi 5450MHz - 5700MHz: ANT A:5.66dBi; ANT B:6.26dbi 5750MHz - 5850MHz: ANT A:5.62dbi; ANT B:6.16dBi
Connector	Reverse SMA

(Non-Beamforming)

For 2TX

5150MHz - 5250MHz
For Power directional gain =6.51dBi For PSD directional gain = 10 log[(10G1 /20 + 10G2 /20 + … + 10GN /20)2 /NANT] = 9.41 (dBi)
5250MHz-5350MHz
For Power directional gain =6.51dBi For PSD directional gain = 10 log[(10G1 /20 + 10G2 /20 + … + 10GN /20)2 /NANT] = 9.42 (dBi)
5470MHz -5725MHz
For Power directional gain =6.26dBi For PSD directional gain = 10 log[(10G1 /20 + 10G2 /20 + … + 10GN /20)2 /NANT] =8.98 (dBi)
5725MHz -5850MHz
For Power directional gain =6.16dBi For PSD directional gain = 10 log[(10G1 /20 + 10G2 /20 + … + 10GN /20)2 /NANT] = 8.90 (dBi)

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 C63.10-2013. 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.

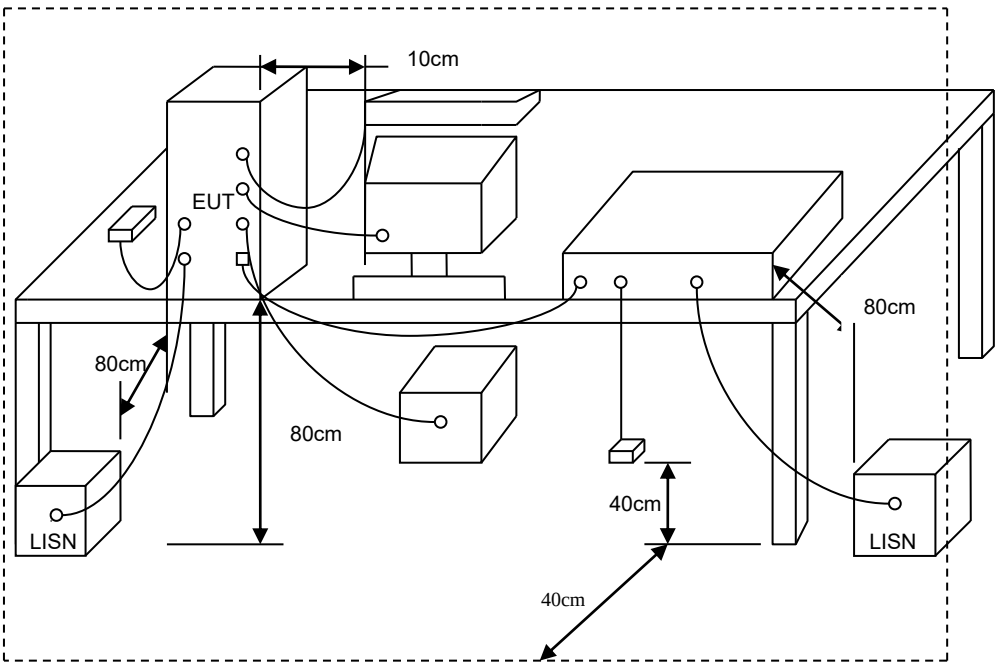
Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

5.2. Test Procedures

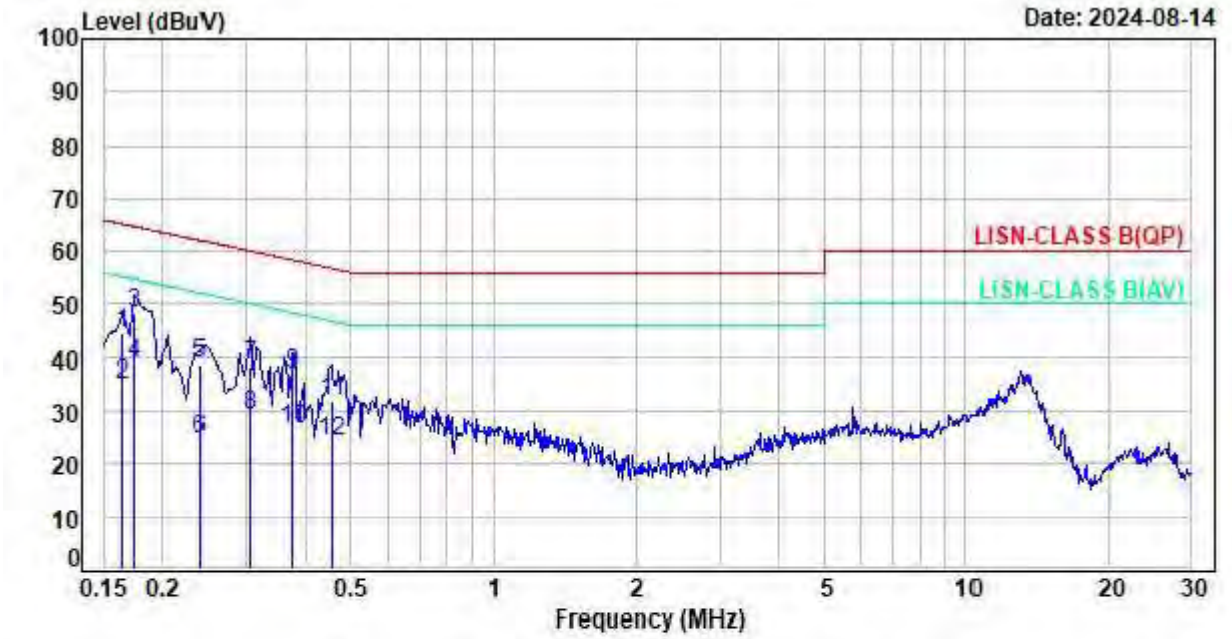
a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
c. All the support units are connecting to the other LISN.
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

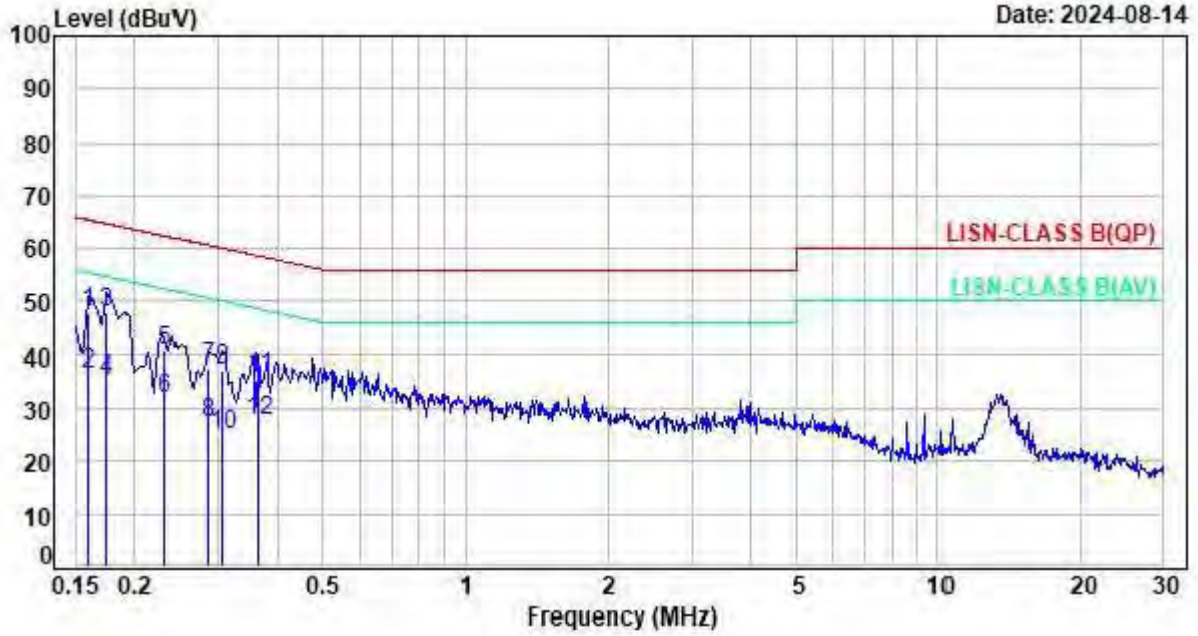
Power:	AC 120V/60Hz	Pol/Phase:	LINE
Test Mode:	Mode 4		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.17	10.36	34.26	44.62	65.21	-20.59	QP	P
2	0.17	10.36	24.49	34.85	55.21	-20.36	Average	P
3	0.17	10.35	37.99	48.34	64.72	-16.38	QP	P
4	0.17	10.35	28.39	38.74	54.72	-15.98	Average	P
5	0.24	10.35	28.49	38.84	62.11	-23.27	QP	P
6	0.24	10.35	14.30	24.65	52.11	-27.46	Average	P
7	0.31	10.34	28.02	38.36	60.10	-21.74	QP	P
8	0.31	10.34	19.06	29.40	50.10	-20.70	Average	P
9	0.37	10.40	26.62	37.02	58.40	-21.38	QP	P
10	0.37	10.40	16.38	26.78	48.40	-21.62	Average	P
11	0.45	10.41	21.67	32.08	56.80	-24.72	QP	P
12	0.45	10.41	13.74	24.15	46.80	-22.65	Average	P

Note: Level = Reading + Factor
Margin = Level – Limit
Factor = (LISN or ISN or PLC or Current Probe) Factor + Cable Loss + Attenuator

Power:	AC 120V/60Hz	Pol/Phase:	NEUTRAL
Test Mode:	Mode 4		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	10.34	37.53	47.87	65.47	-17.60	QP	P
2	0.16	10.34	26.32	36.66	55.47	-18.81	Average	P
3	0.17	10.34	37.53	47.87	64.72	-16.85	QP	P
4	0.17	10.34	25.07	35.41	54.72	-19.31	Average	P
5	0.23	10.37	30.16	40.53	62.38	-21.85	QP	P
6	0.23	10.37	21.48	31.85	52.38	-20.53	Average	P
7	0.28	10.41	27.23	37.64	60.68	-23.04	QP	P
8	0.28	10.41	17.12	27.53	50.68	-23.15	Average	P
9	0.30	10.42	26.68	37.10	60.11	-23.01	QP	P
10	0.30	10.42	14.64	25.06	50.11	-25.05	Average	P
11	0.37	10.46	25.46	35.92	58.61	-22.69	QP	P
12	0.37	10.46	17.28	27.74	48.61	-20.87	Average	P

Note: Level = Reading + Factor
Margin = Level – Limit
Factor = (LISN or ISN or PLC or Current Probe) Factor + Cable Loss + Attenuator

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.

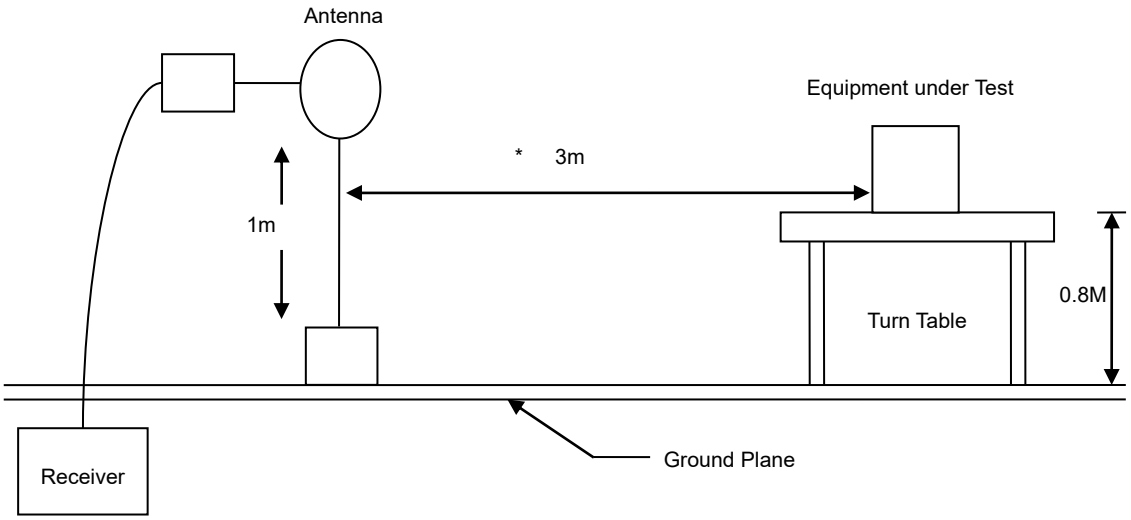
g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.

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.

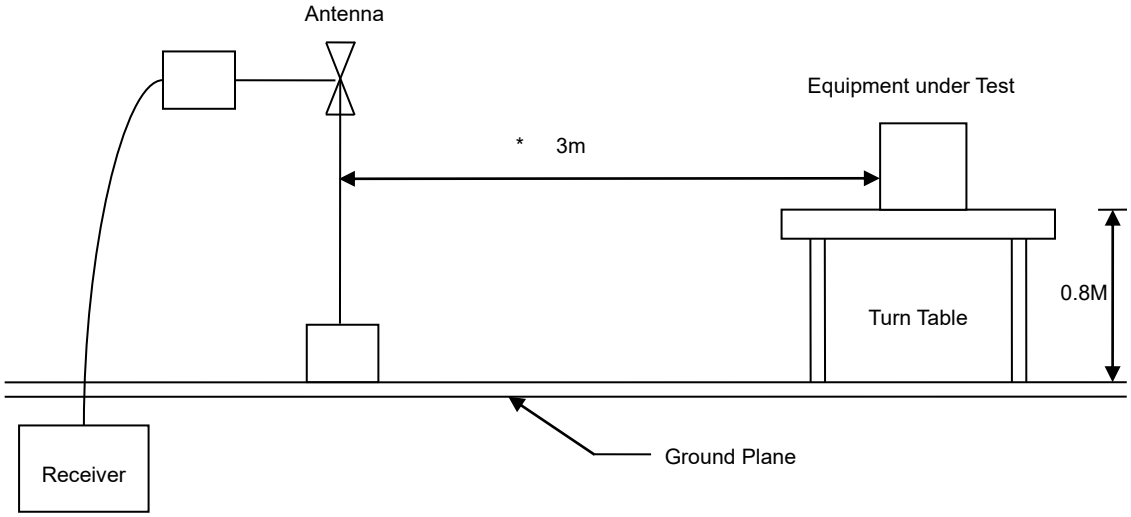
i. “Cone of radiation” has been considered to be 3dB bandwidth of the measurement antenna.
Note: The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions sch that emissions from the EUT are maximized.**(X-AXIS is the worst.)**

6.3. Typical Test Setup

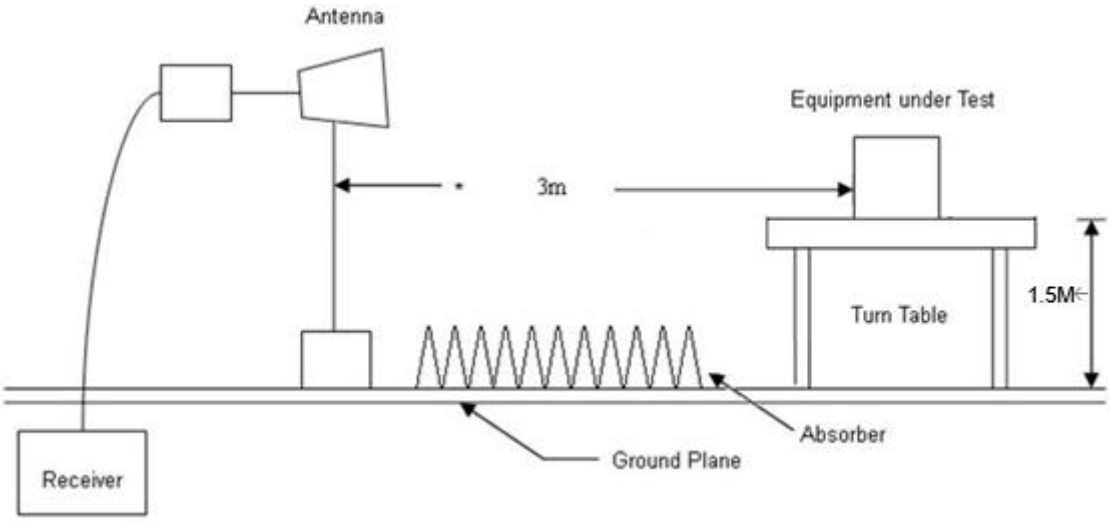
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup

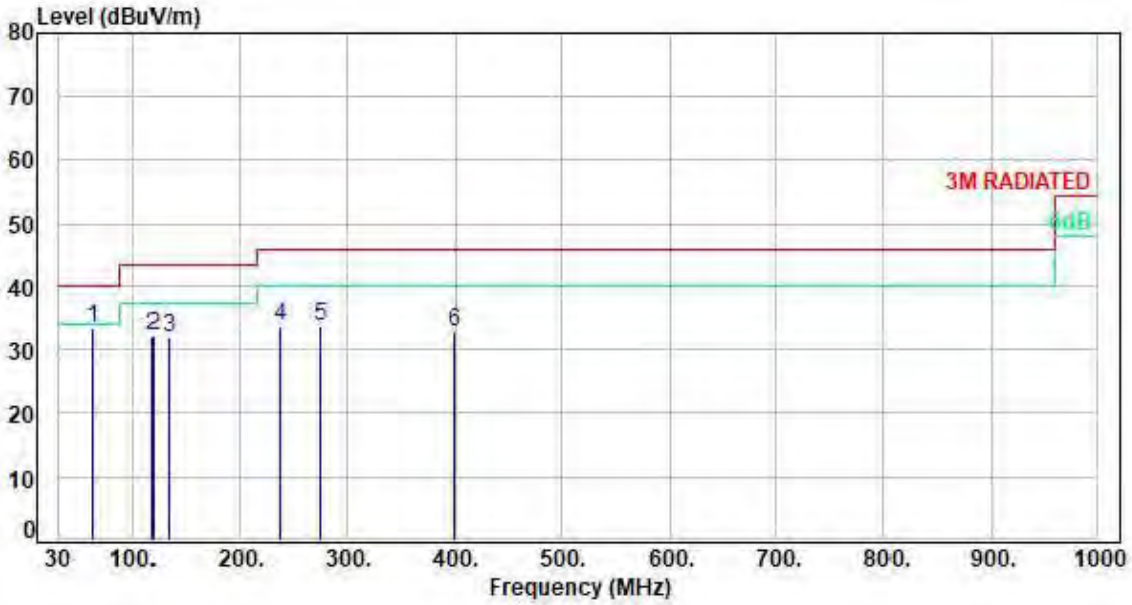


6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

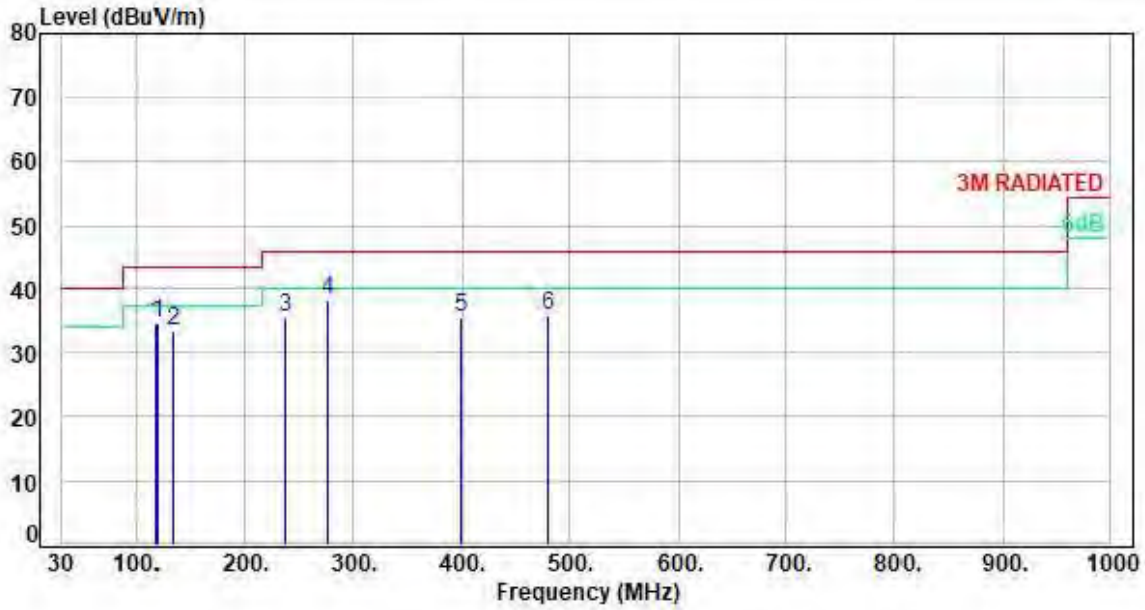
Power	AC 120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	62.01	-16.57	49.97	33.40	40.00	-6.60	Peak	P
2	119.24	-9.49	41.59	32.10	43.50	-11.40	Peak	P
3	132.82	-9.56	41.56	32.00	43.50	-11.50	Peak	P
4	236.61	-11.34	45.10	33.76	46.00	-12.24	Peak	P
5	275.41	-9.25	43.06	33.81	46.00	-12.19	Peak	P
6	399.57	-6.34	39.16	32.82	46.00	-13.18	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 4		



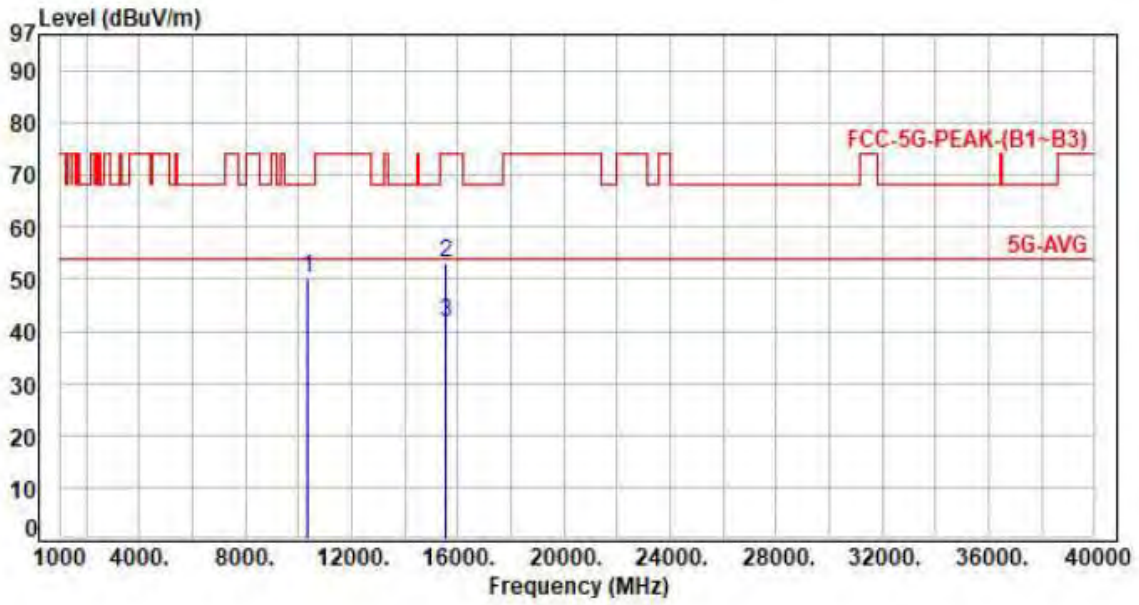
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	119.24	-9.49	44.24	34.75	43.50	-8.75	Peak	P
2	132.82	-9.56	43.15	33.59	43.50	-9.91	Peak	P
3	237.58	-11.27	46.92	35.65	46.00	-10.35	Peak	P
4	276.38	-9.22	47.50	38.28	46.00	-7.72	Peak	P
5	399.57	-6.34	42.04	35.70	46.00	-10.30	Peak	P
6	480.08	-3.78	39.76	35.98	46.00	-10.02	Peak	P

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

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

SISO-Ant B
UNII-1

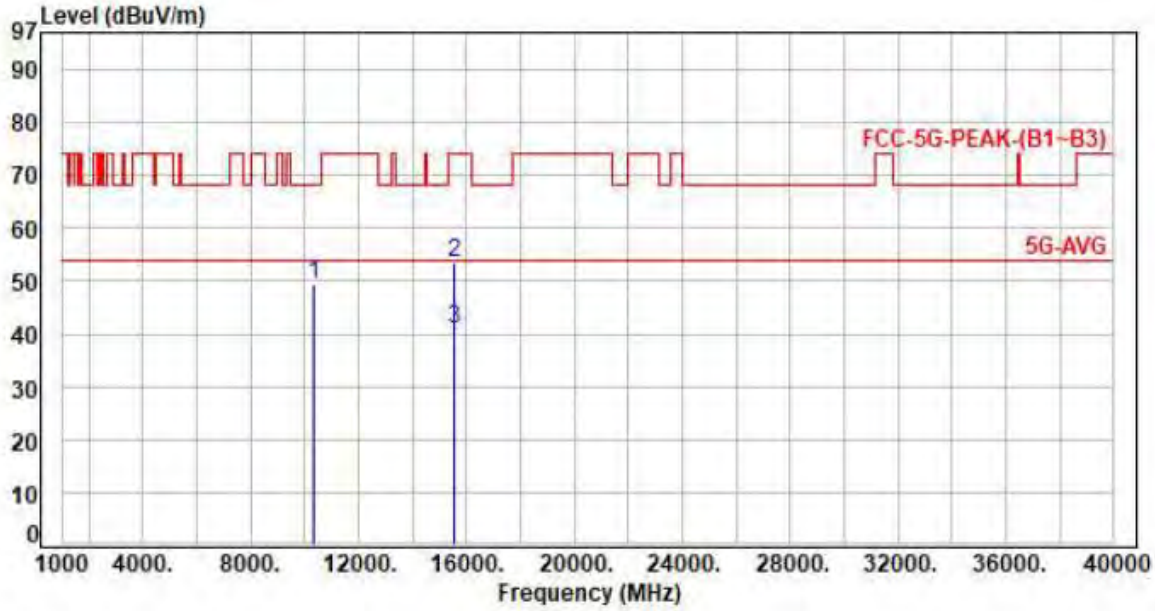
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	11.09	39.11	50.20	68.20	-18.00	Peak	P
2	15540.00	13.10	40.14	53.24	74.00	-20.76	Peak	P
3	15540.00	13.10	28.65	41.75	54.00	-12.25	Average	P

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

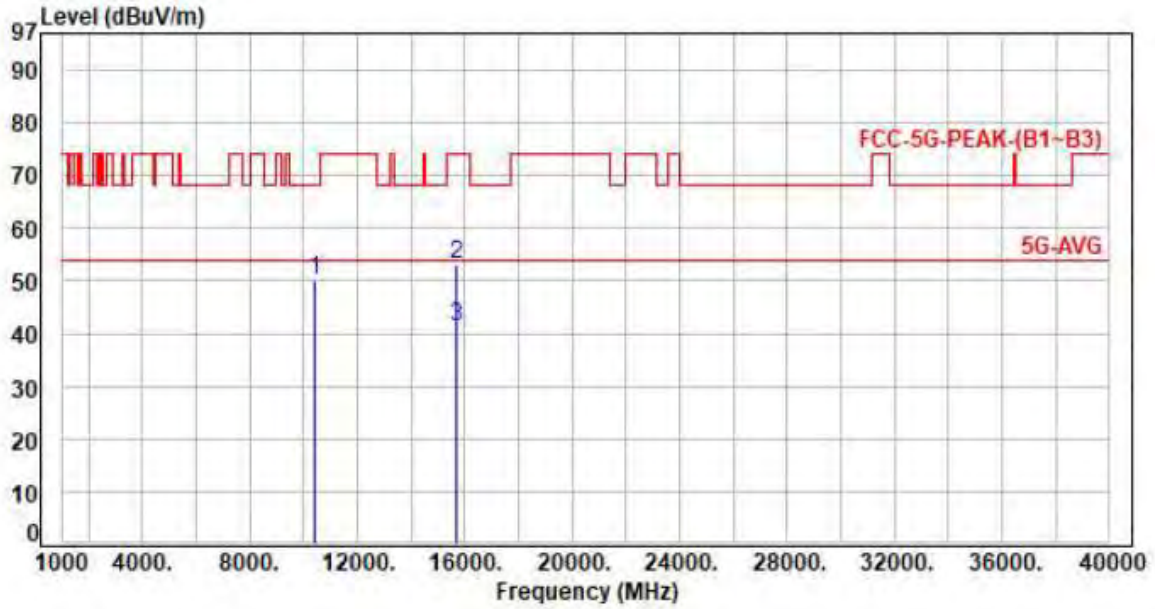
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	11.09	38.43	49.52	68.20	-18.68	Peak	P
2	15540.00	13.10	40.32	53.42	74.00	-20.58	Peak	P
3	15540.00	13.10	27.95	41.05	54.00	-12.95	Average	P

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

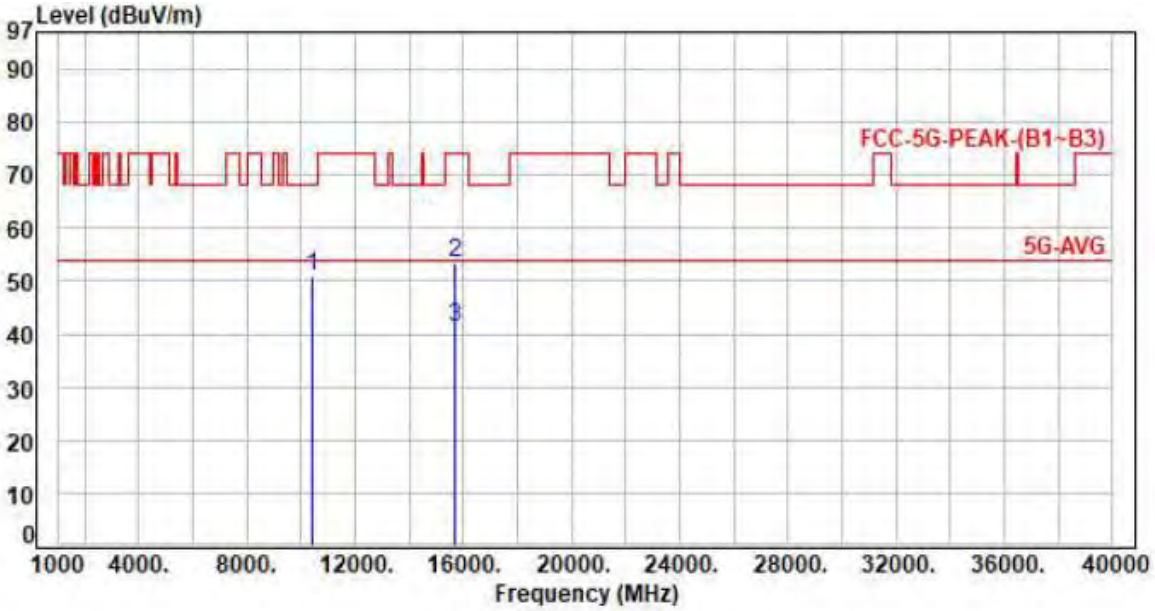
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.33	38.99	50.32	68.20	-17.88	Peak	P
2	15660.00	12.89	40.26	53.15	74.00	-20.85	Peak	P
3	15660.00	12.89	28.45	41.34	54.00	-12.66	Average	P

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

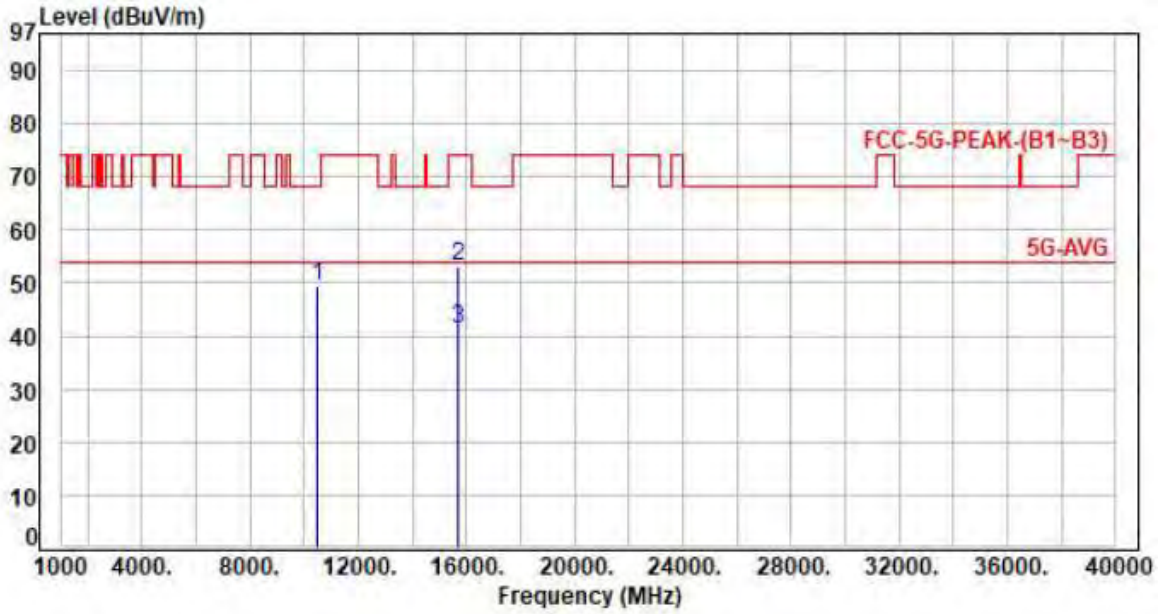
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.33	39.69	51.02	68.20	-17.18	Peak	P
2	15660.00	12.89	40.47	53.36	74.00	-20.64	Peak	P
3	15660.00	12.89	28.45	41.34	54.00	-12.66	Average	P

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

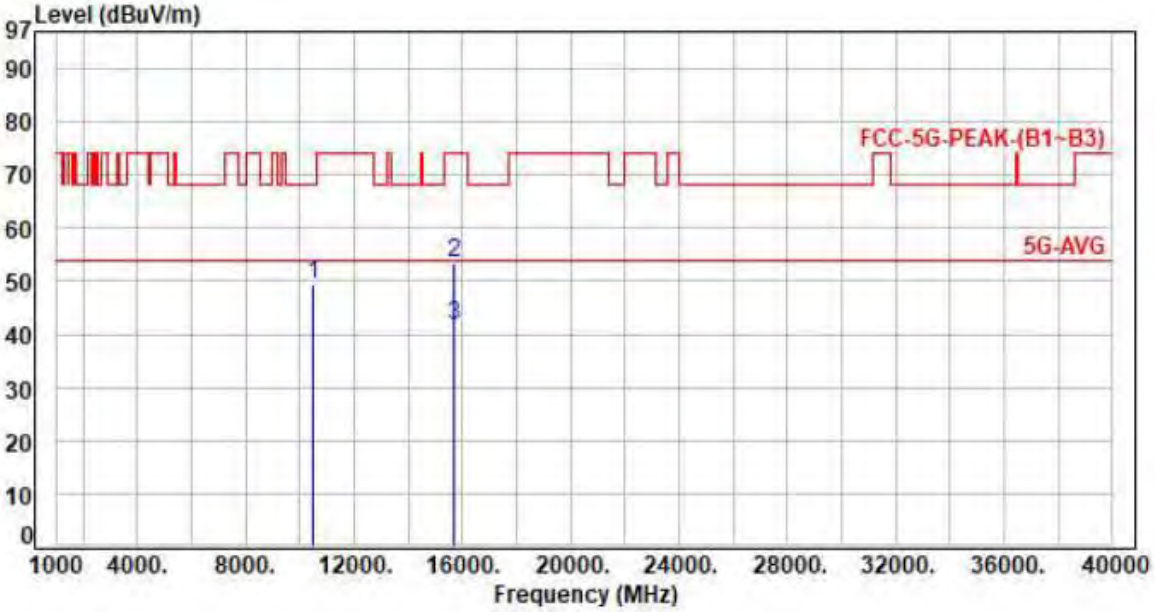
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.48	37.97	49.45	68.20	-18.75	Peak	P
2	15720.00	12.79	40.43	53.22	74.00	-20.78	Peak	P
3	15720.00	12.79	28.61	41.40	54.00	-12.60	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		

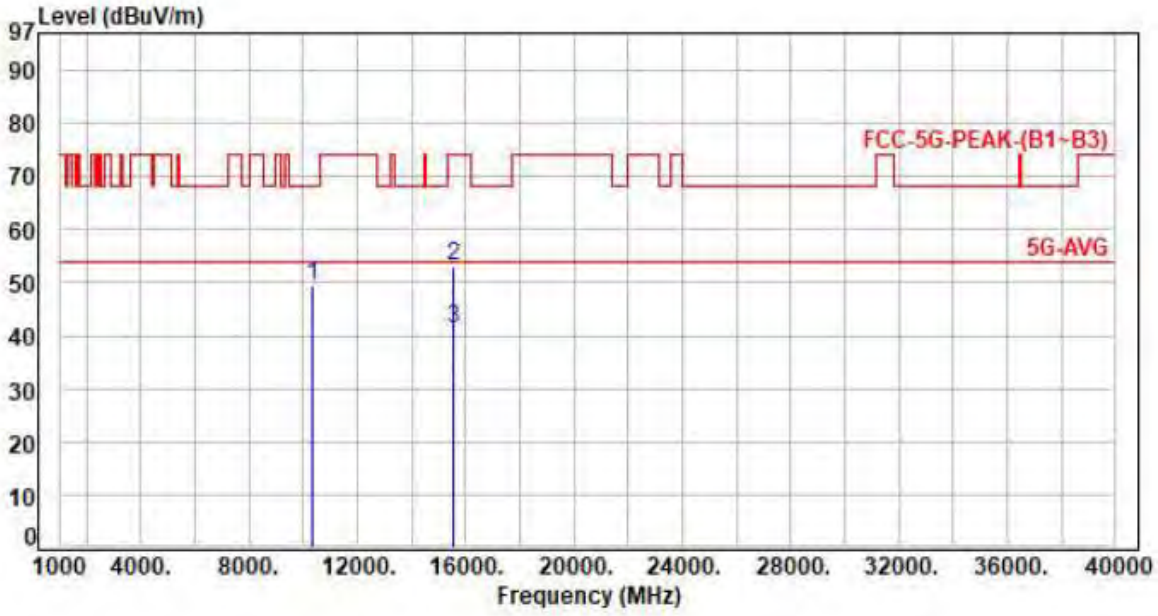


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.48	37.76	49.24	68.20	-18.96	Peak	P
2	15720.00	12.79	40.63	53.42	74.00	-20.58	Peak	P
3	15720.00	12.79	29.01	41.80	54.00	-12.20	Average	P

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

MIMO
UNII-1

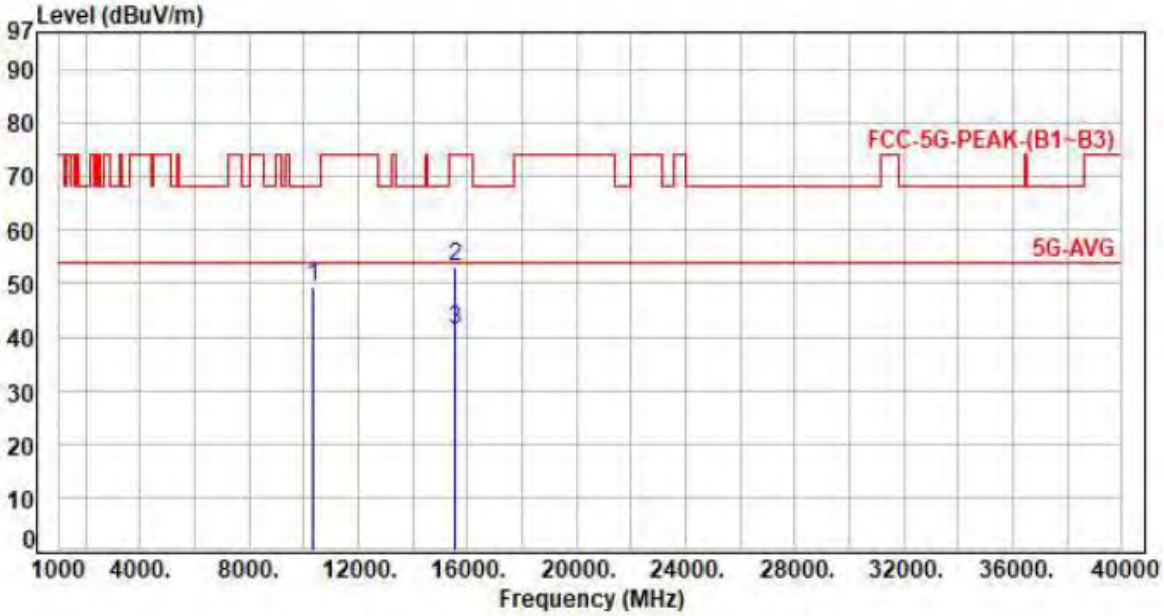
Power	AC120V/60Hz	**Pol/Phase**	VERTICAL
Test Mode	Mode 3, 802.11ac VHT20 CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	11.09	38.45	49.54	68.20	-18.66	Peak	P
2	15540.00	13.10	40.10	53.20	74.00	-20.80	Peak	P
3	15540.00	13.10	28.25	41.35	54.00	-12.65	Average	P

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

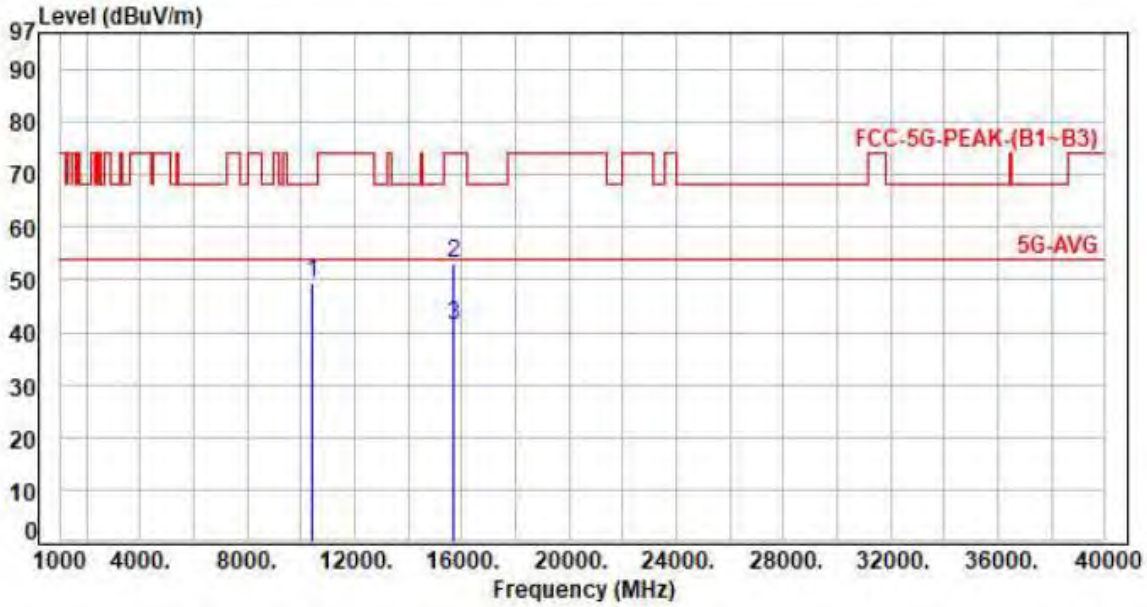
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT20 CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	11.09	38.42	49.51	68.20	-18.69	Peak	P
2	15540.00	13.10	40.16	53.26	74.00	-20.74	Peak	P
3	15540.00	13.10	28.25	41.35	54.00	-12.65	Average	P

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

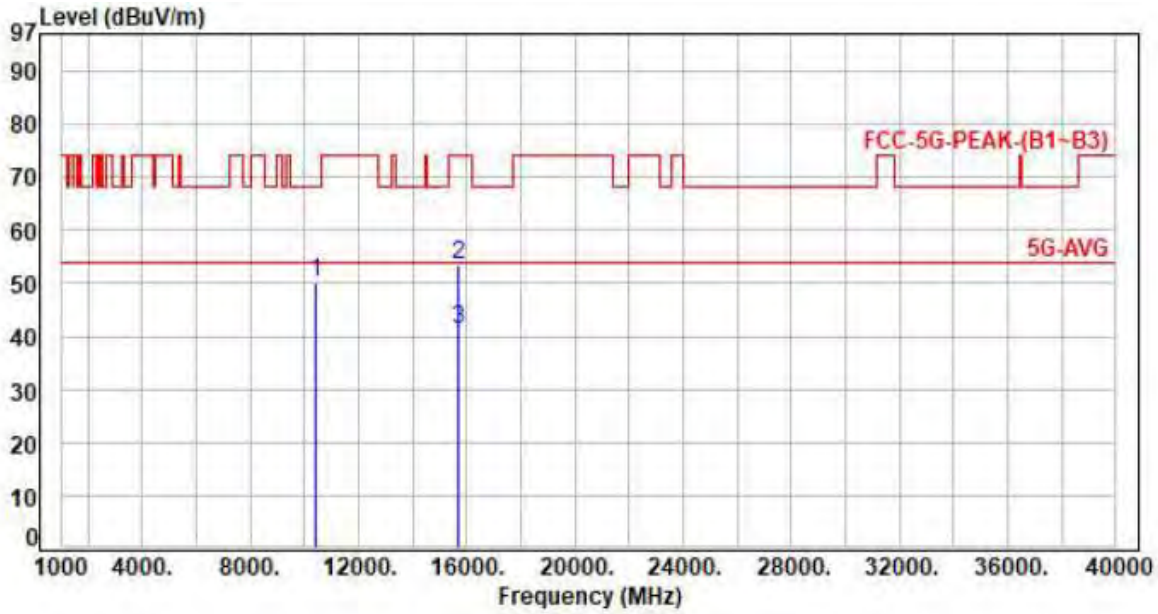
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT20 CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.33	38.09	49.42	68.20	-18.78	Peak	P
2	15660.00	12.89	40.31	53.20	74.00	-20.80	Peak	P
3	15660.00	12.89	28.26	41.15	54.00	-12.85	Average	P

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

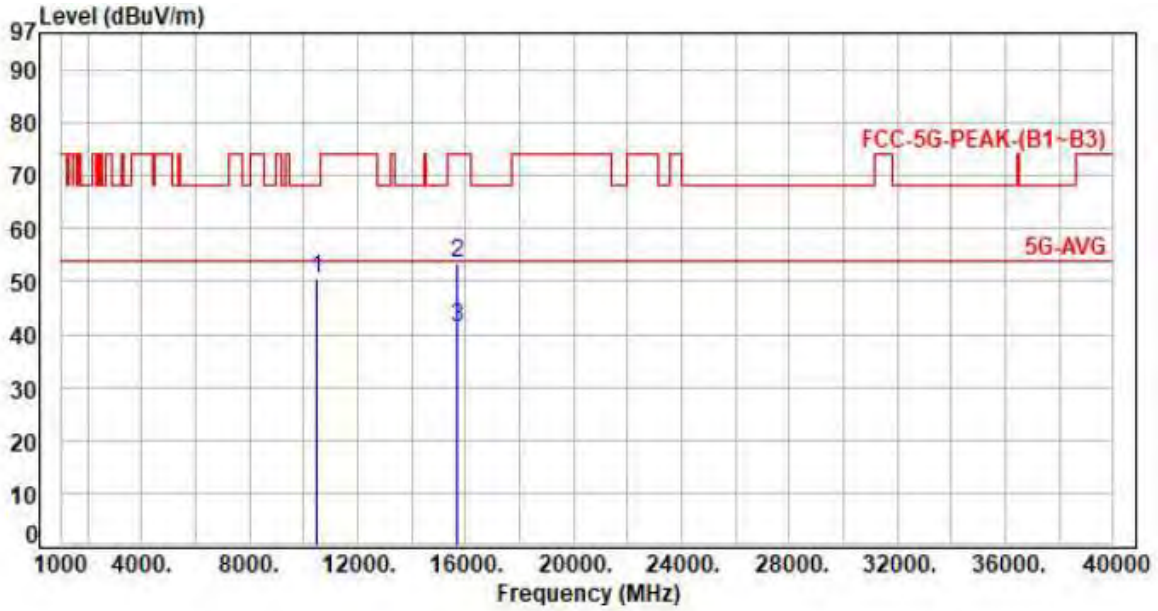
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT20 CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.33	38.92	50.25	68.20	-17.95	Peak	P
2	15660.00	12.89	40.56	53.45	74.00	-20.55	Peak	P
3	15660.00	12.89	28.43	41.32	54.00	-12.68	Average	P

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

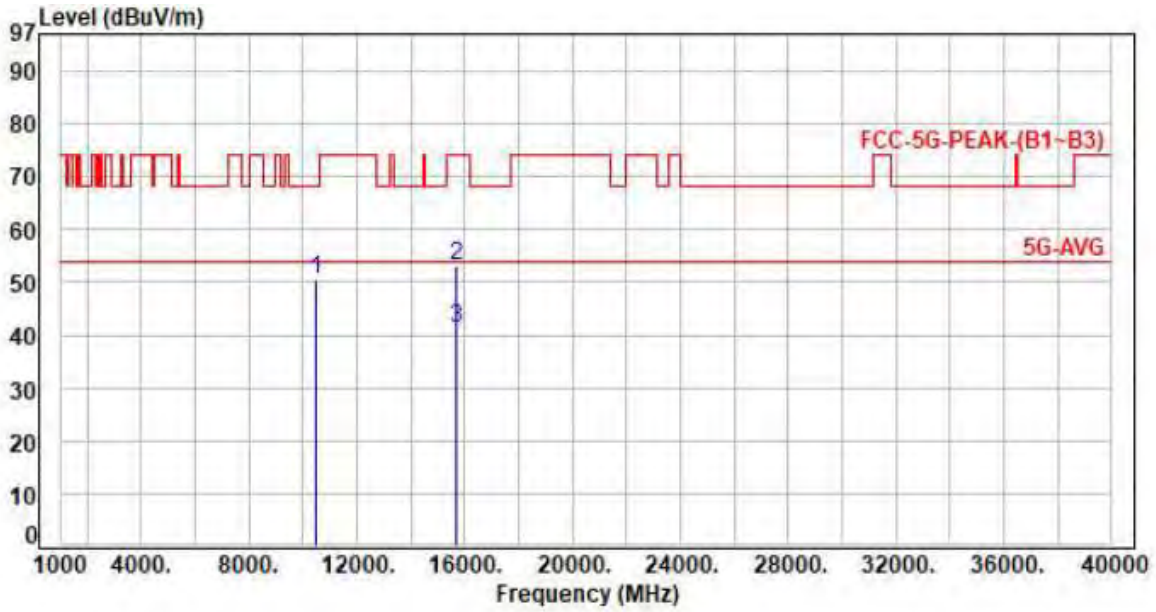
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT20 CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.48	38.97	50.45	68.20	-17.75	Peak	P
2	15720.00	12.79	40.64	53.43	74.00	-20.57	Peak	P
3	15720.00	12.79	28.69	41.48	54.00	-12.52	Average	P

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

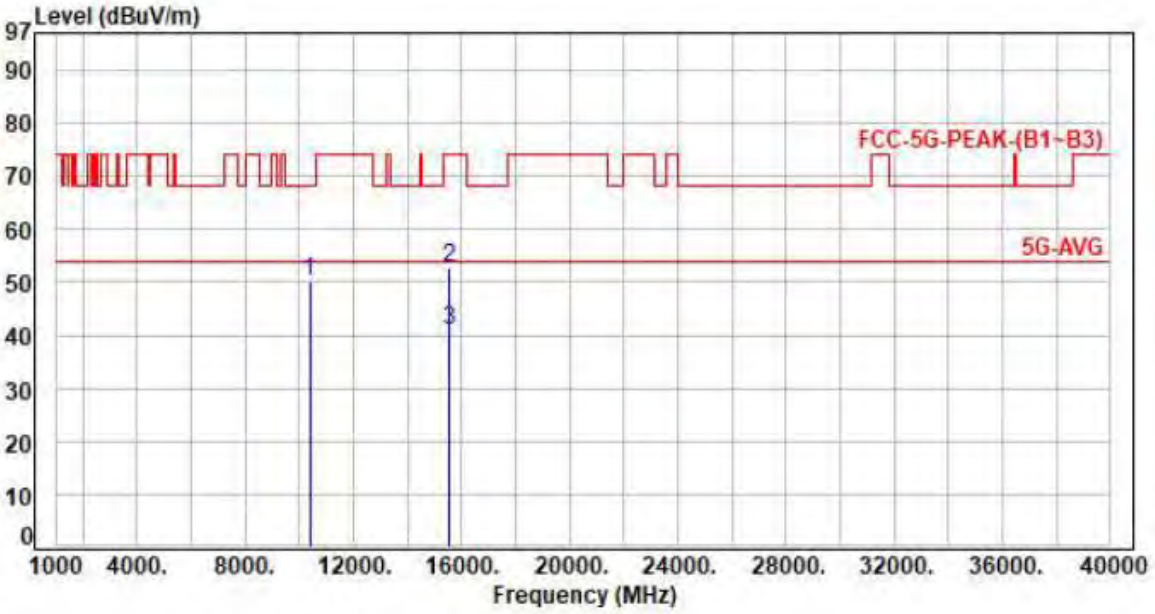
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT20 CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.48	38.89	50.37	68.20	-17.83	Peak	P
2	15720.00	12.79	40.46	53.25	74.00	-20.75	Peak	P
3	15720.00	12.79	28.43	41.22	54.00	-12.78	Average	P

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

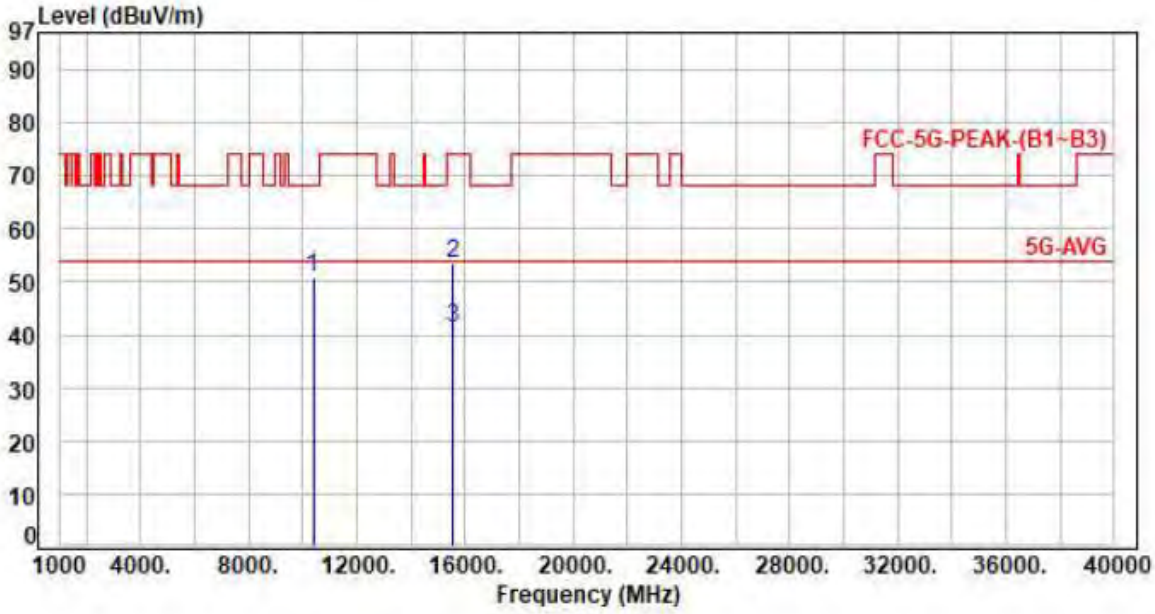
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4, 802.11ac VHT40 CH38 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10380.00	11.14	39.02	50.16	68.20	-18.04	Peak	P
2	15570.00	13.04	39.60	52.64	74.00	-21.36	Peak	P
3	15570.00	13.04	27.88	40.92	54.00	-13.08	Average	P

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

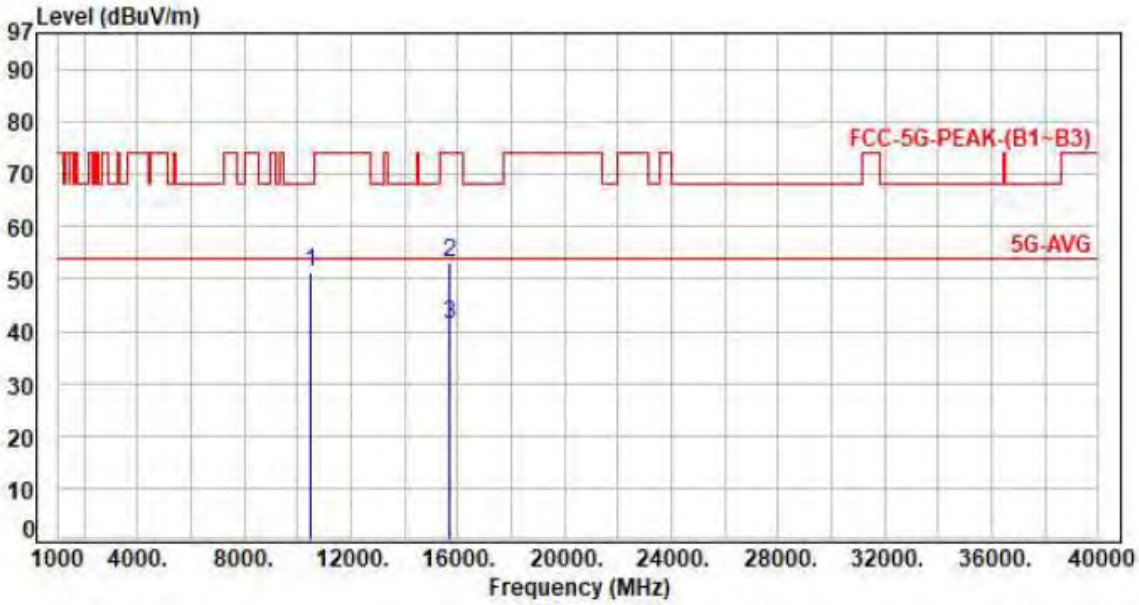
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 4, 802.11ac VHT40 CH38 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10380.00	11.14	39.79	50.93	68.20	-17.27	Peak	P
2	15570.00	13.04	40.36	53.40	74.00	-20.60	Peak	P
3	15570.00	13.04	28.31	41.35	54.00	-12.65	Average	P

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

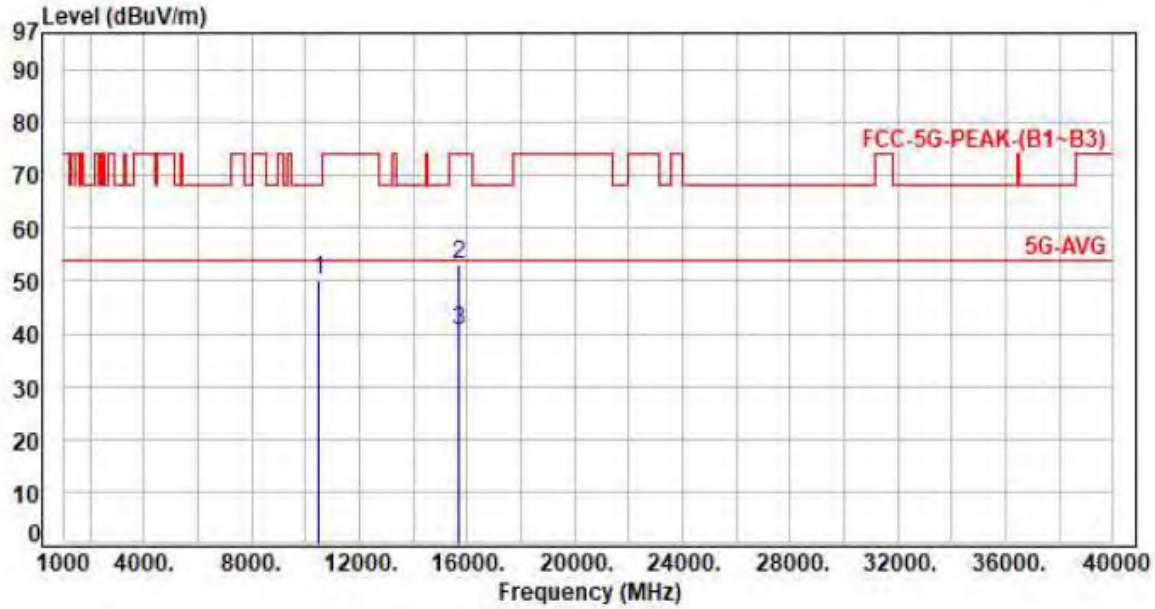
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4, 802.11ac VHT40 CH46 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10460.00	11.41	39.96	51.37	68.20	-16.83	Peak	P
2	15690.00	12.84	40.20	53.04	74.00	-20.96	Peak	P
3	15690.00	12.84	28.31	41.15	54.00	-12.85	Average	P

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

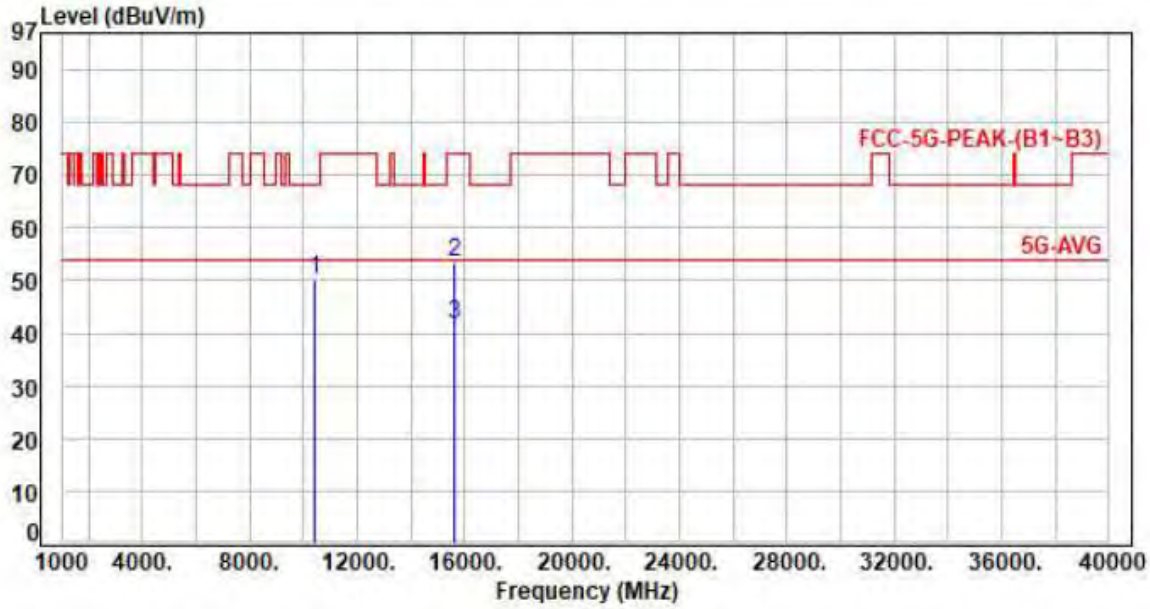
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 4, 802.11ac VHT40 CH46 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10460.00	11.41	38.93	50.34	68.20	-17.86	Peak	P
2	15690.00	12.84	40.24	53.08	74.00	-20.92	Peak	P
3	15690.00	12.84	27.68	40.52	54.00	-13.48	Average	P

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

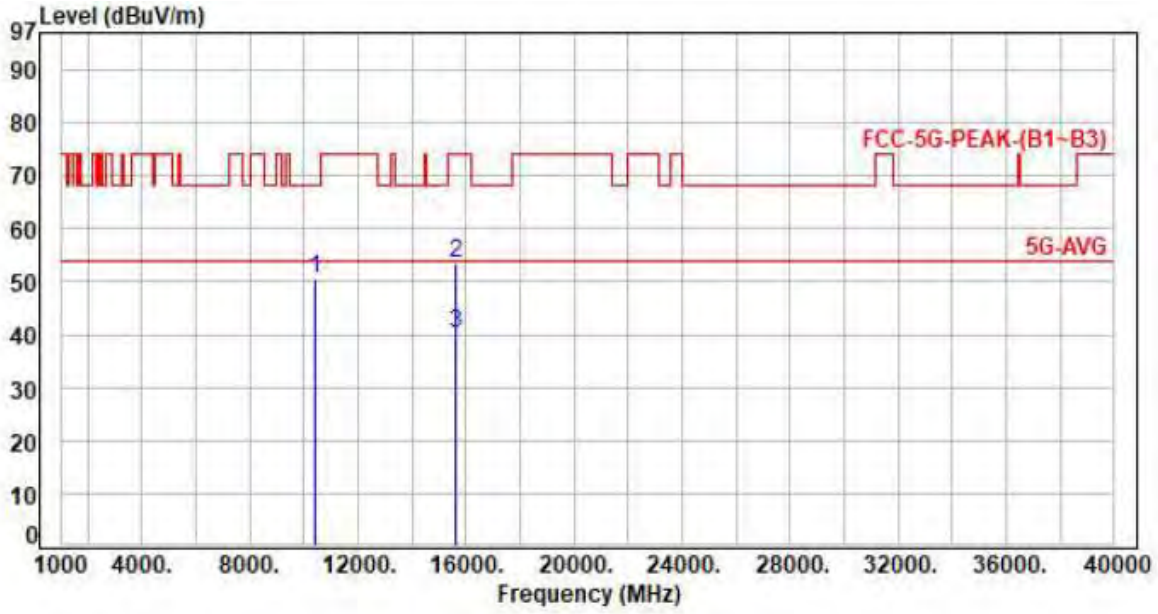
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 5, 802.11ac VHT80 CH42 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10420.00	11.26	38.89	50.15	68.20	-18.05	Peak	P
2	15630.00	12.94	40.66	53.60	74.00	-20.40	Peak	P
3	15630.00	12.94	28.87	41.81	54.00	-12.19	Average	P

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

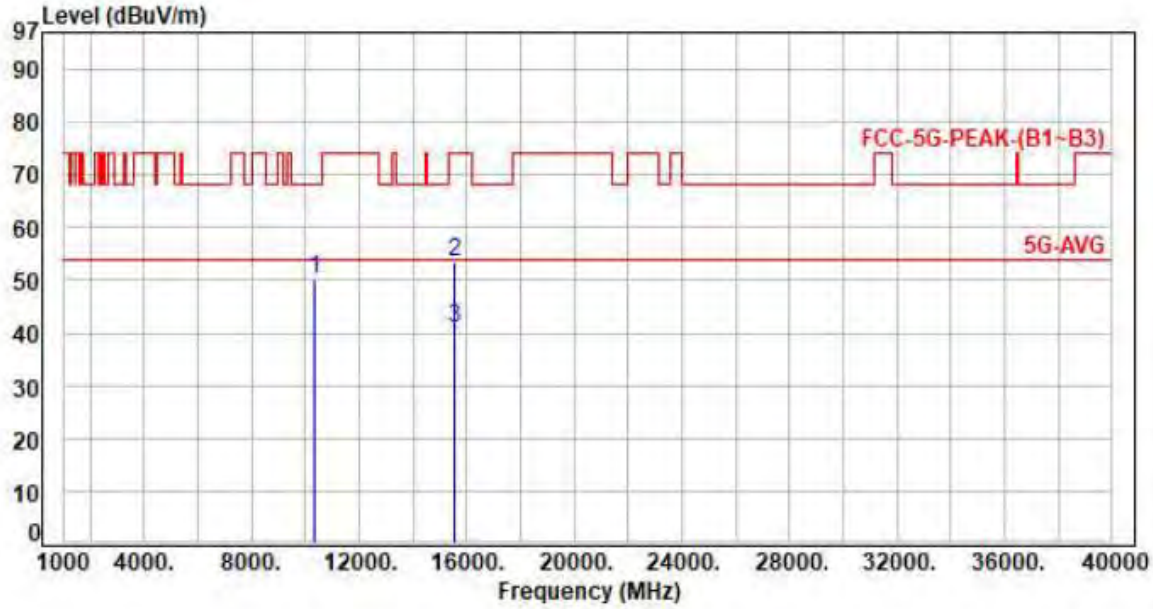
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 5, 802.11ac VHT80 CH42 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10420.00	11.26	39.09	50.35	68.20	-17.85	Peak	P
2	15630.00	12.94	40.48	53.42	74.00	-20.58	Peak	P
3	15630.00	12.94	27.22	40.16	54.00	-13.84	Average	P

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

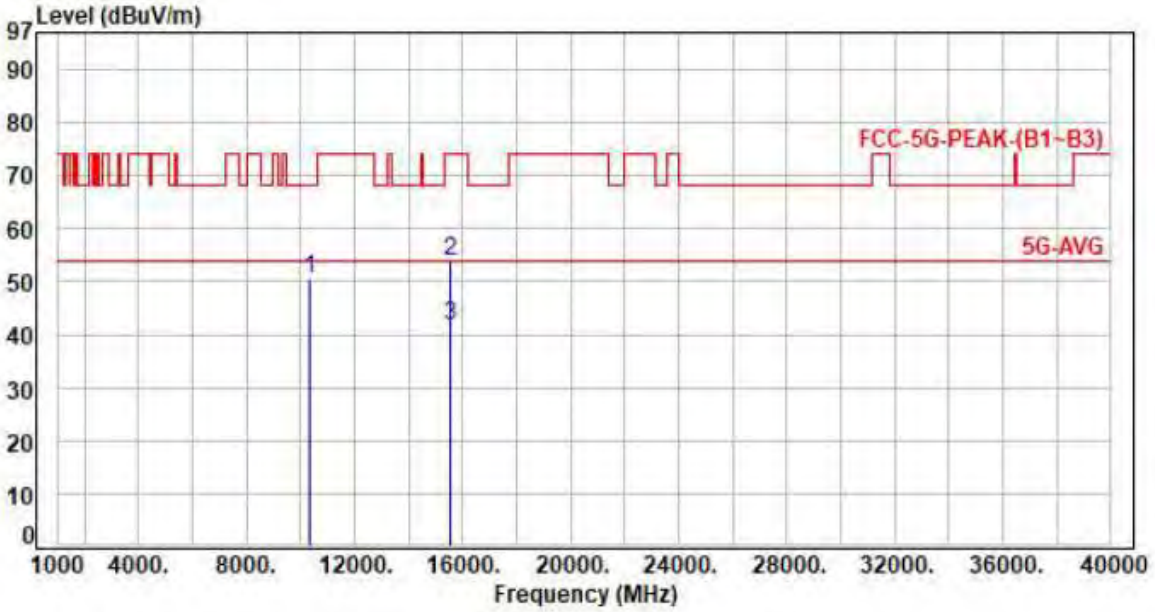
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 6, 802.11ax HE20 CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	11.09	38.96	50.05	68.20	-18.15	Peak	P
2	15540.00	13.10	40.30	53.40	74.00	-20.60	Peak	P
3	15540.00	13.10	27.72	40.82	54.00	-13.18	Average	P

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

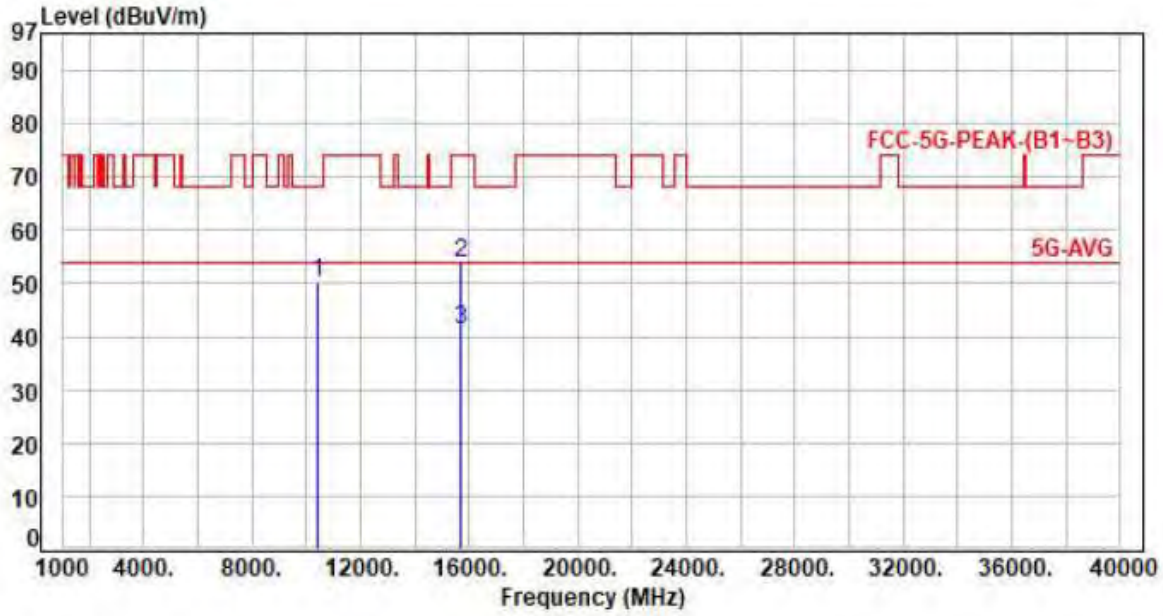
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 6, 802.11ax HE20 CH36 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10360.00	11.09	39.59	50.68	68.20	-17.52	Peak	P
2	15540.00	13.10	40.62	53.72	74.00	-20.28	Peak	P
3	15540.00	13.10	28.65	41.75	54.00	-12.25	Average	P

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

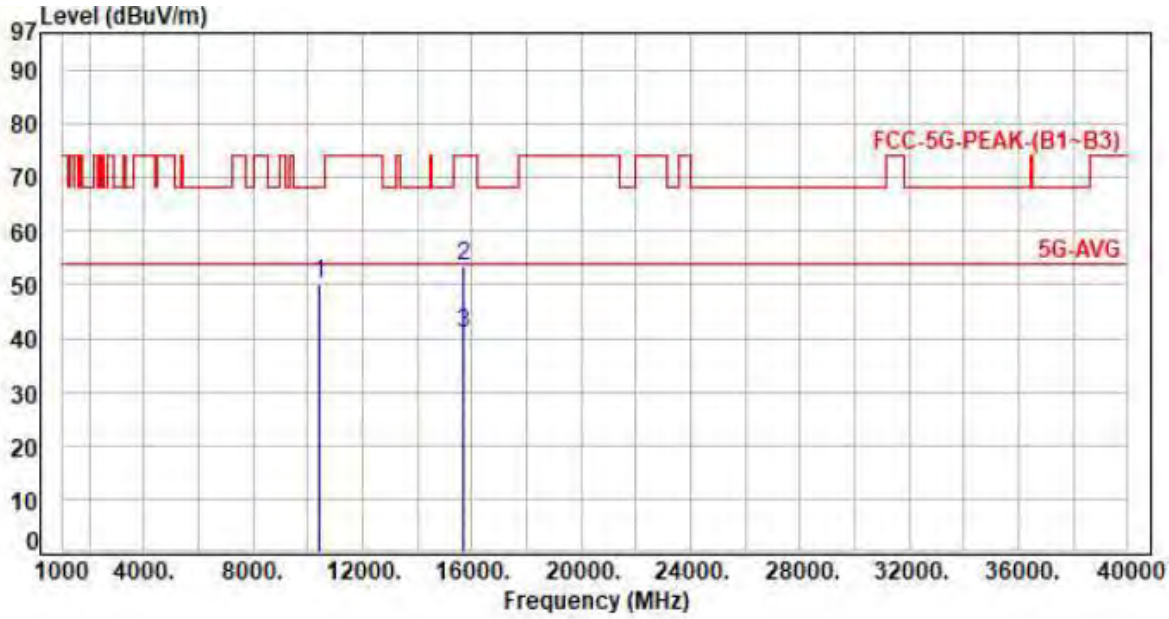
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 6, 802.11ax HE20 CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.33	38.92	50.25	68.20	-17.95	Peak	P
2	15660.00	12.89	40.80	53.69	74.00	-20.31	Peak	P
3	15660.00	12.89	28.53	41.42	54.00	-12.58	Average	P

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

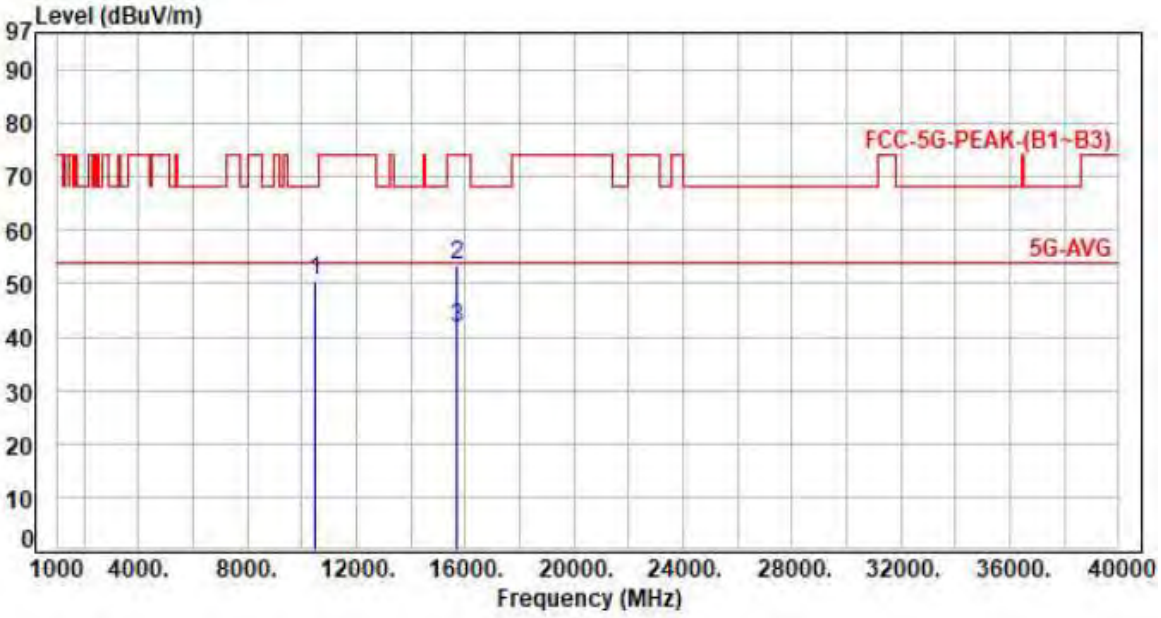
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 6, 802.11ax HE20 CH44 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10440.00	11.33	39.01	50.34	68.20	-17.86	Peak	P
2	15660.00	12.89	40.68	53.57	74.00	-20.43	Peak	P
3	15660.00	12.89	28.16	41.05	54.00	-12.95	Average	P

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

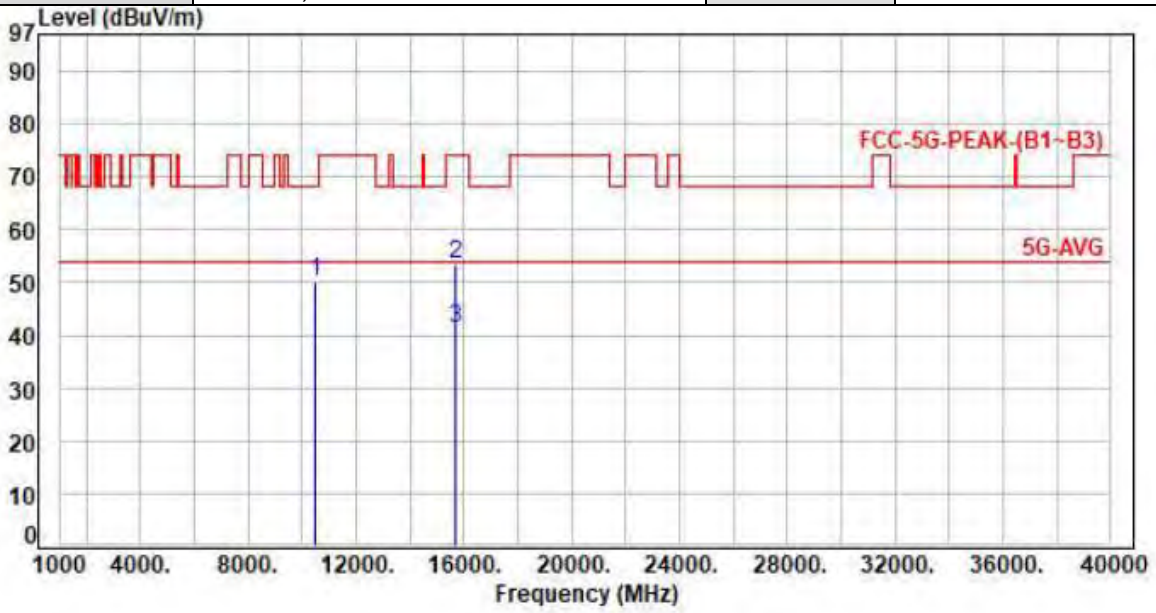
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 6, 802.11ax HE20 CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.48	38.97	50.45	68.20	-17.75	Peak	P
2	15720.00	12.79	40.79	53.58	74.00	-20.42	Peak	P
3	15720.00	12.79	28.71	41.50	54.00	-12.50	Average	P

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

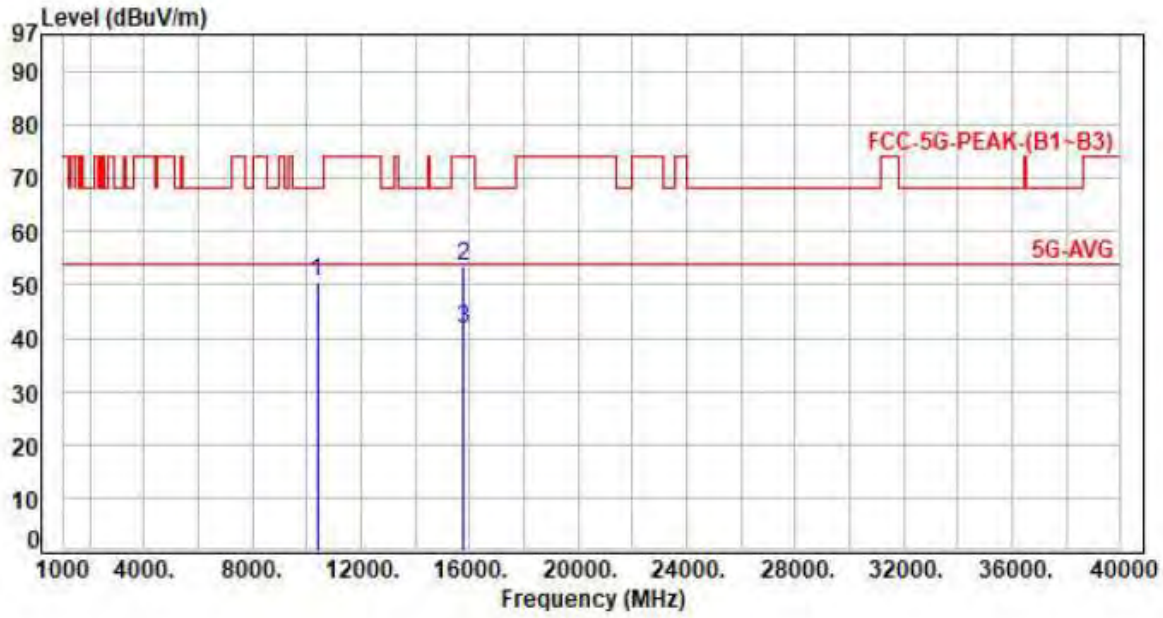
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 6, 802.11ax HE20 CH48 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10480.00	11.48	38.76	50.24	68.20	-17.96	Peak	P
2	15720.00	12.79	40.83	53.62	74.00	-20.38	Peak	P
3	15720.00	12.79	28.61	41.40	54.00	-12.60	Average	P

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

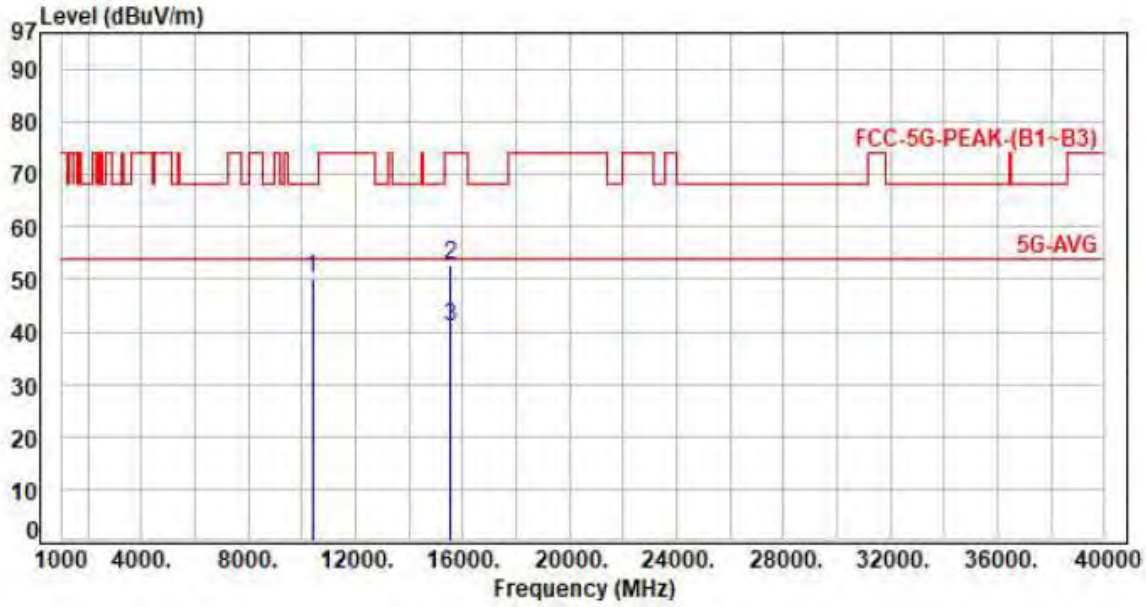
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 7, 802.11ax HE40 CH38 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10380.00	11.14	39.39	50.53	68.20	-17.67	Peak	P
2	15770.00	12.71	40.90	53.61	74.00	-20.39	Peak	P
3	15770.00	12.71	28.83	41.54	54.00	-12.46	Average	P

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

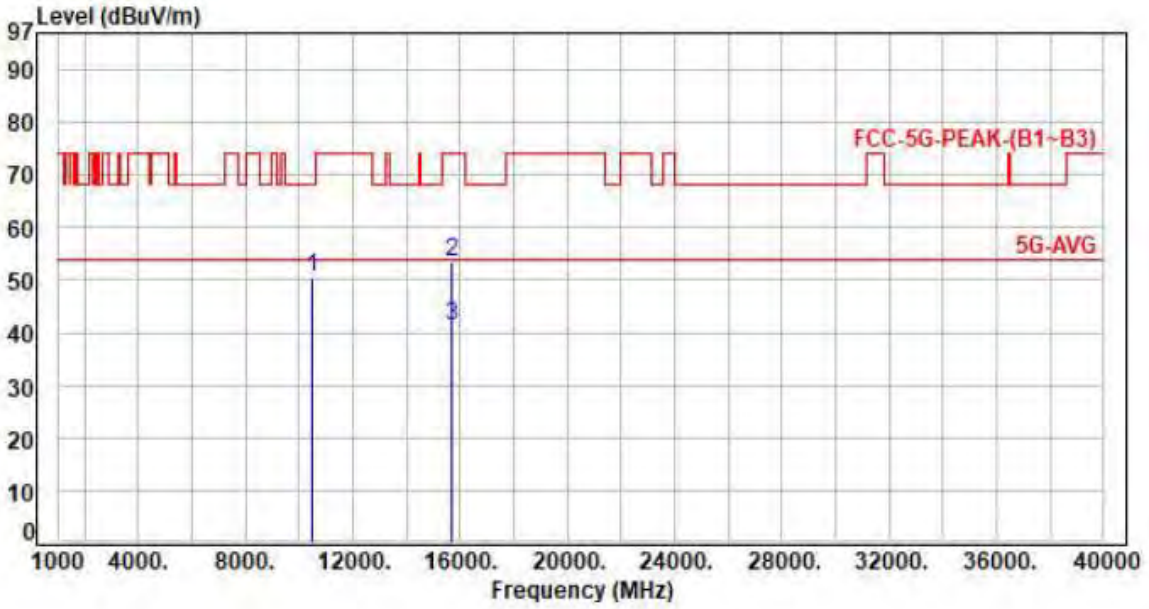
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 7, 802.11ax HE40 CH38 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10380.00	11.14	38.91	50.05	68.20	-18.15	Peak	P
2	15570.00	13.04	39.79	52.83	74.00	-21.17	Peak	P
3	15570.00	13.04	28.00	41.04	54.00	-12.96	Average	P

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

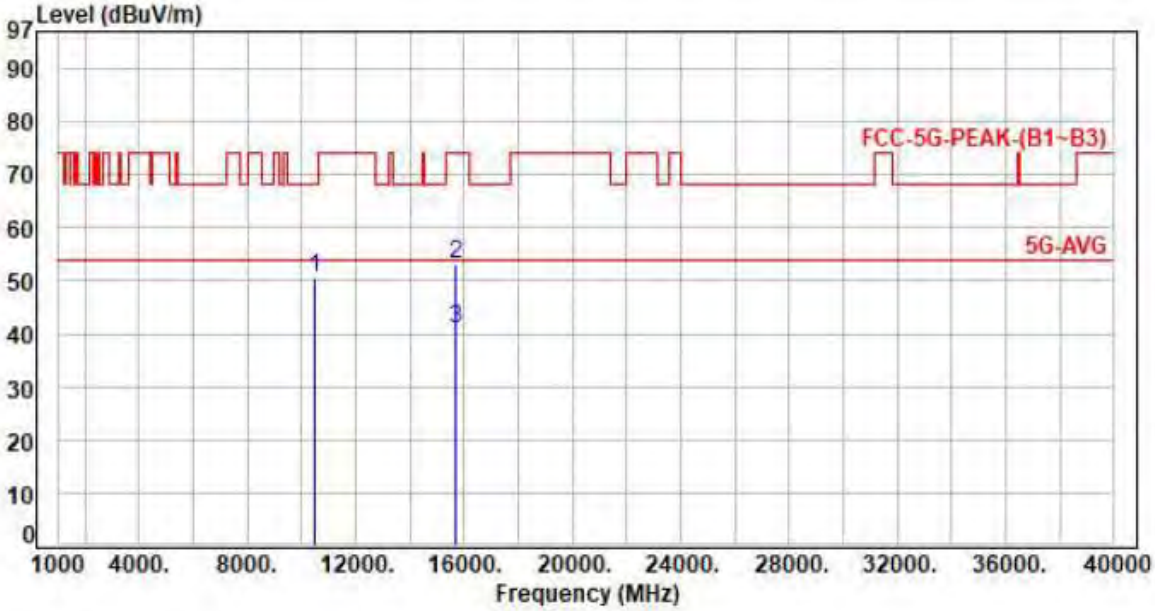
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 7, 802.11ax HE40 CH46 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10460.00	11.41	38.94	50.35	68.20	-17.85	Peak	P
2	15690.00	12.84	40.70	53.54	74.00	-20.46	Peak	P
3	15690.00	12.84	28.53	41.37	54.00	-12.63	Average	P

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

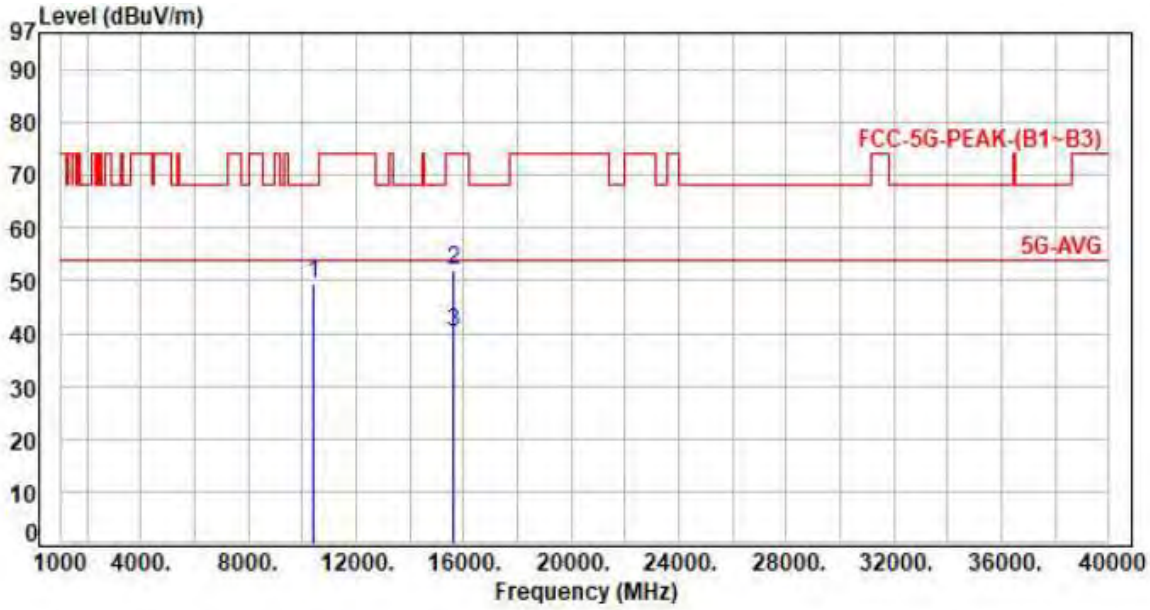
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 7, 802.11ax HE40 CH46 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10460.00	11.41	38.94	50.35	68.20	-17.85	Peak	P
2	15690.00	12.84	40.37	53.21	74.00	-20.79	Peak	P
3	15690.00	12.84	28.21	41.05	54.00	-12.95	Average	P

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

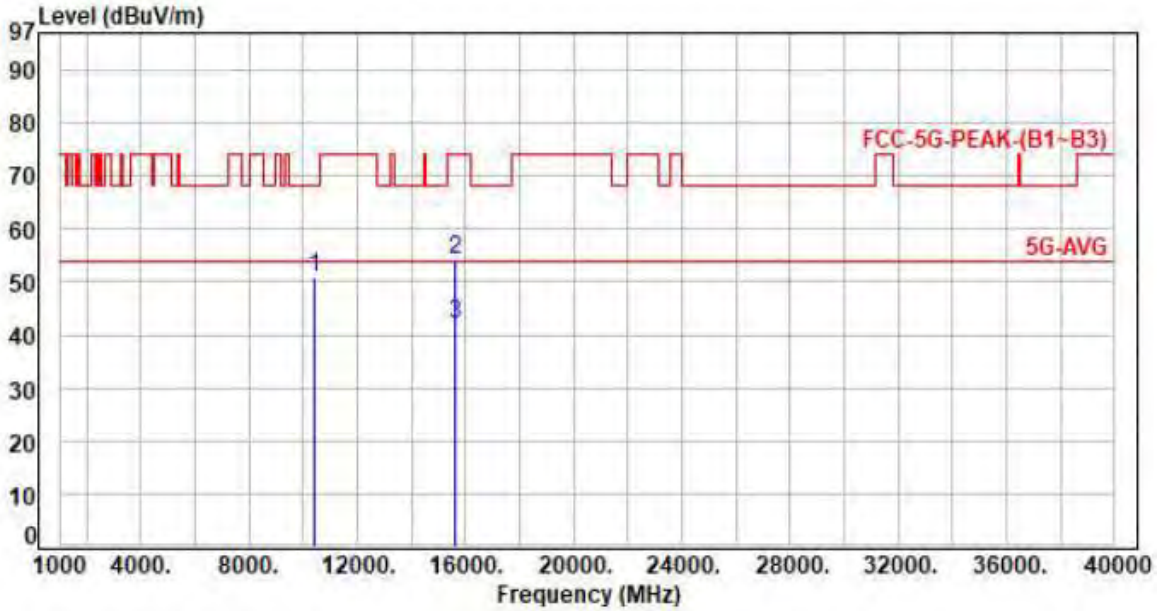
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 8, 802.11ax HE80 CH42 UNII-1		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10420.00	11.26	38.27	49.53	68.20	-18.67	Peak	P
2	15630.00	12.94	39.20	52.14	74.00	-21.86	Peak	P
3	15630.00	12.94	27.43	40.37	54.00	-13.63	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 8, 802.11ax HE80 CH42 UNII-1		



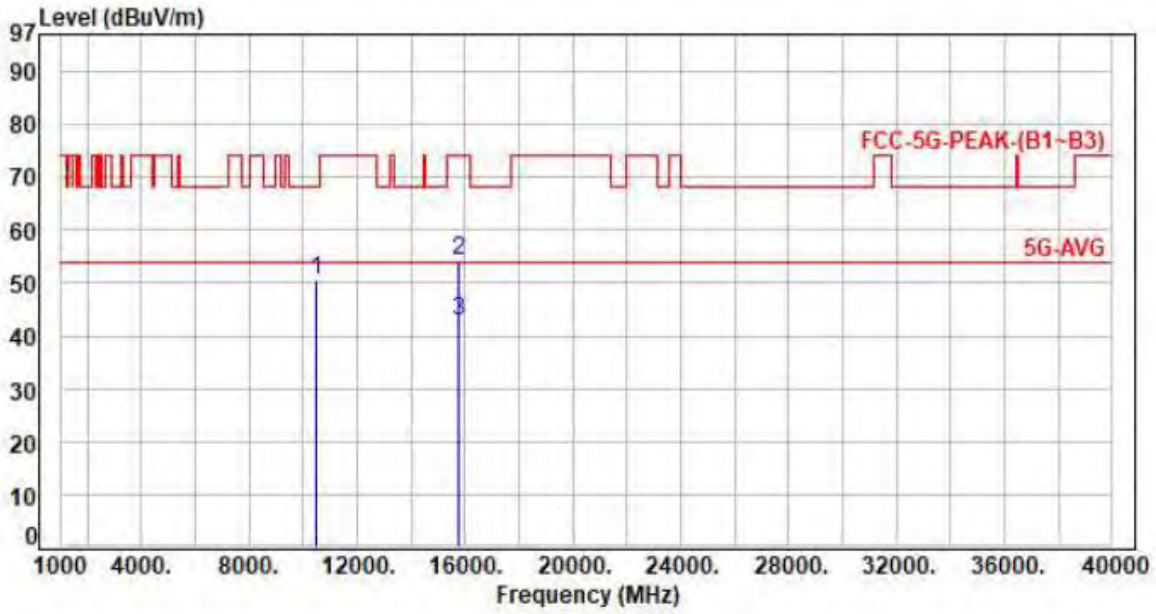
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10420.00	11.26	39.76	51.02	68.20	-17.18	Peak	P
2	15630.00	12.94	41.31	54.25	74.00	-19.75	Peak	P
3	15630.00	12.94	29.12	42.06	54.00	-11.94	Average	P

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

SISO-Ant B

UNII-2A

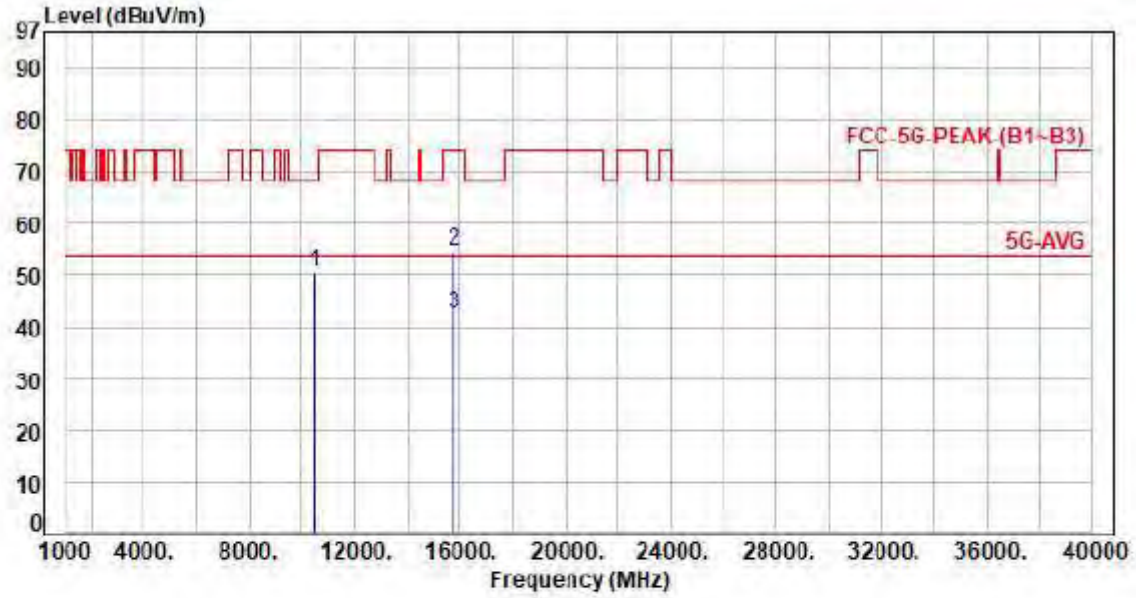
Power	AC120V/60Hz	**Pol/Phase**	VERTICAL
Test Mode	Mode 1, 802.11a CH52 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10520.00	11.60	38.77	50.37	68.20	-17.83	Peak	P
2	15780.00	12.71	41.60	54.31	74.00	-19.69	Peak	P
3	15780.00	12.71	29.99	42.70	54.00	-11.30	Average	P

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

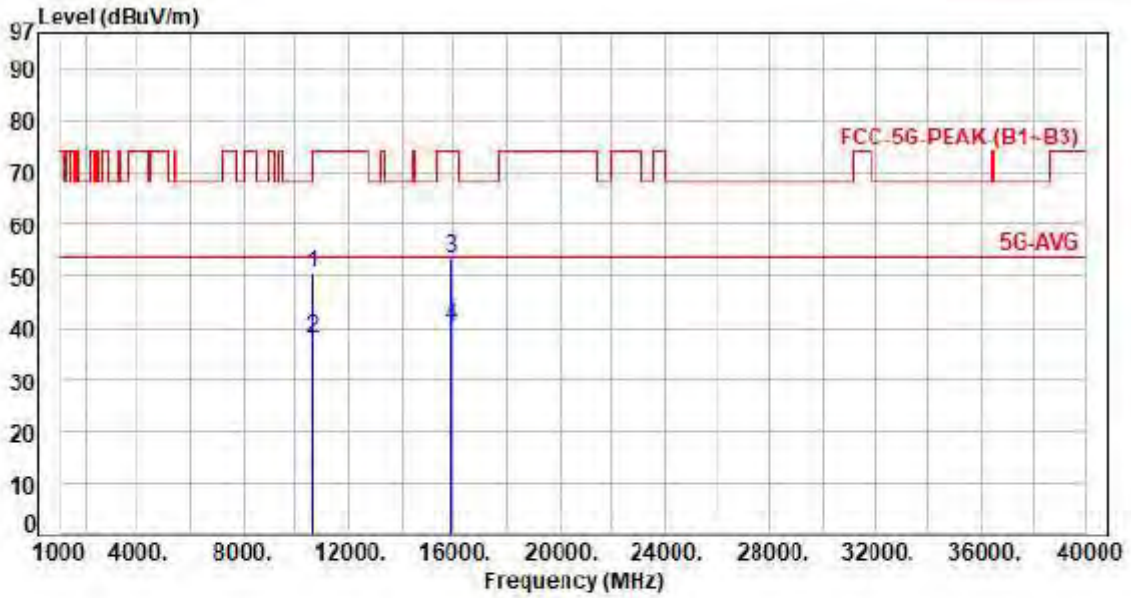
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH52 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10520.00	11.60	38.79	50.39	68.20	-17.81	Peak	P
2	15780.00	12.71	41.96	54.67	74.00	-19.33	Peak	P
3	15780.00	12.71	29.53	42.24	54.00	-11.76	Average	P

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

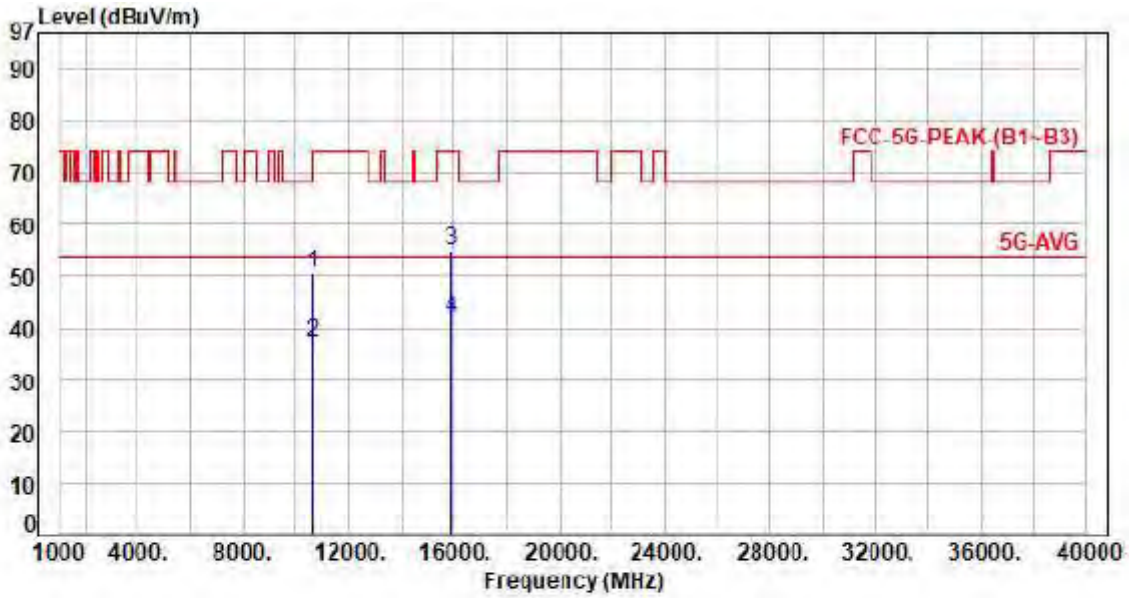
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH60 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10600.00	11.84	38.59	50.43	74.00	-23.57	Peak	P
2	10600.00	11.84	25.97	37.81	54.00	-16.19	Average	P
3	15900.00	12.52	41.01	53.53	74.00	-20.47	Peak	P
4	15900.00	12.52	27.65	40.17	54.00	-13.83	Average	P

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

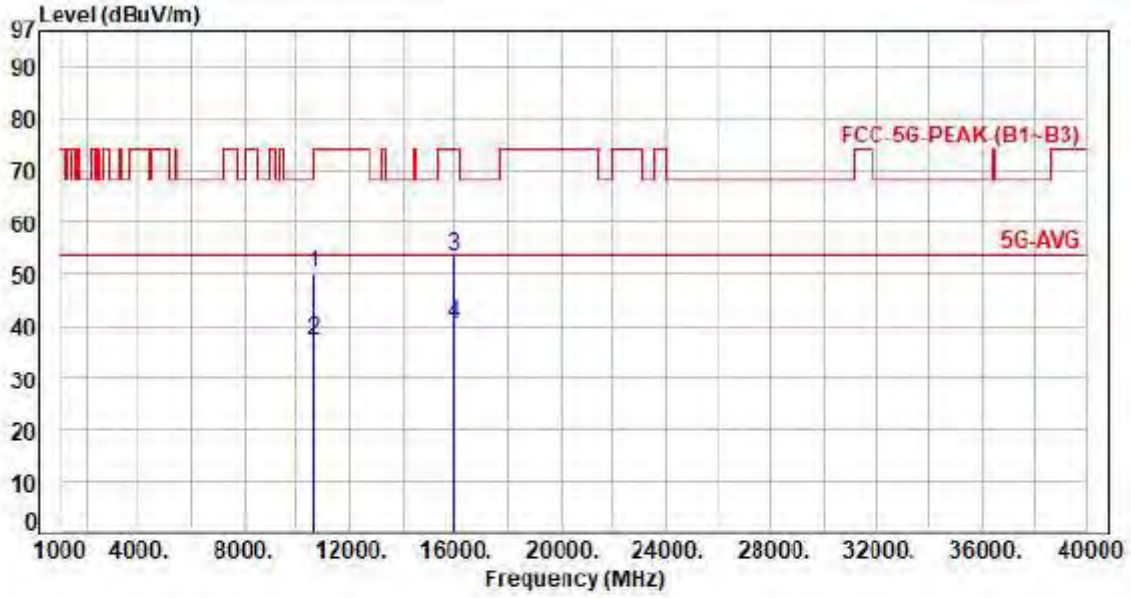
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH60 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10600.00	11.84	38.70	50.54	74.00	-23.46	Peak	P
2	10600.00	11.84	25.44	37.28	54.00	-16.72	Average	P
3	15900.00	12.52	42.30	54.82	74.00	-19.18	Peak	P
4	15900.00	12.52	28.98	41.50	54.00	-12.50	Average	P

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

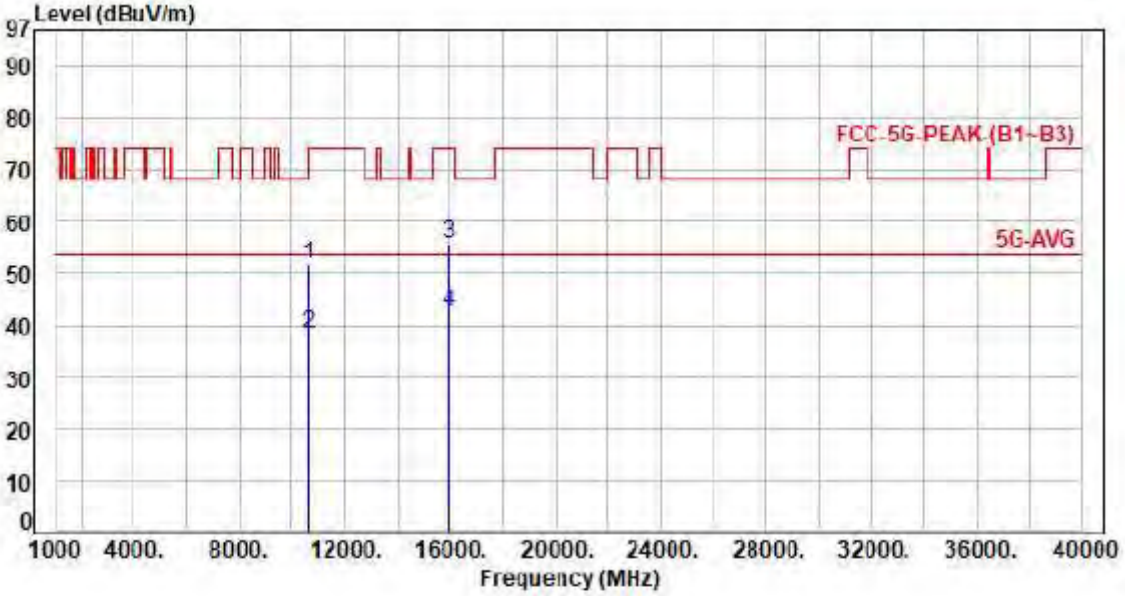
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH64 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10640.00	11.94	38.11	50.05	74.00	-23.95	Peak	P
2	10640.00	11.94	25.36	37.30	54.00	-16.70	Average	P
3	15960.00	12.43	41.10	53.53	74.00	-20.47	Peak	P
4	15960.00	12.43	27.62	40.05	54.00	-13.95	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 CH64 UNII-2A		

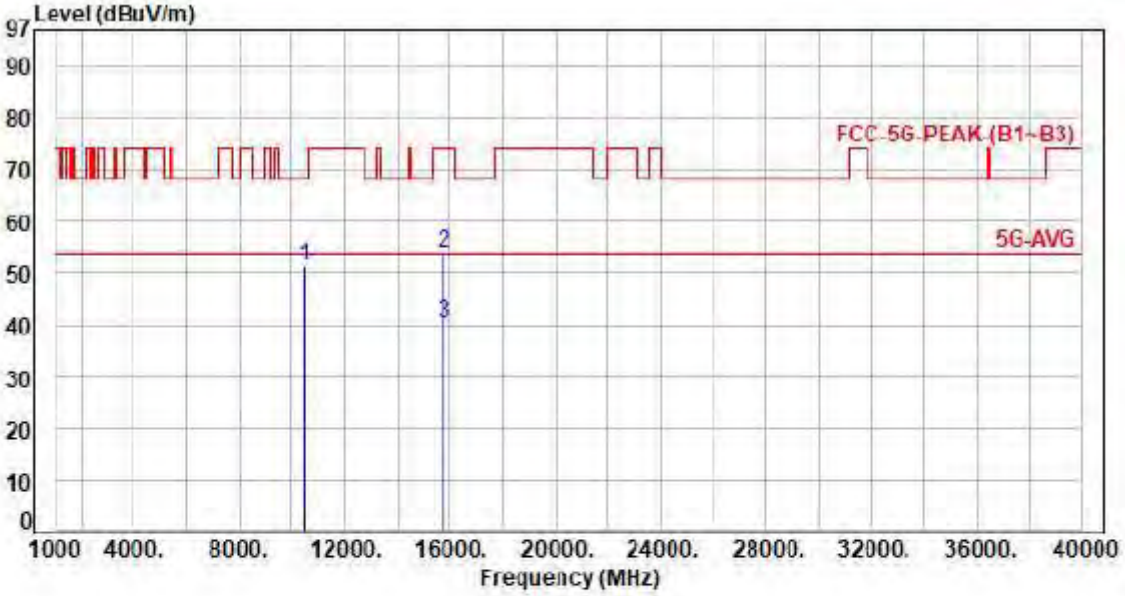


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10640.00	11.94	39.60	51.54	74.00	-22.46	Peak	P
2	10640.00	11.94	26.50	38.44	54.00	-15.56	Average	P
3	15960.00	12.43	43.13	55.56	74.00	-18.44	Peak	P
4	15960.00	12.43	30.04	42.47	54.00	-11.53	Average	P

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

MIMO-UNII-2A

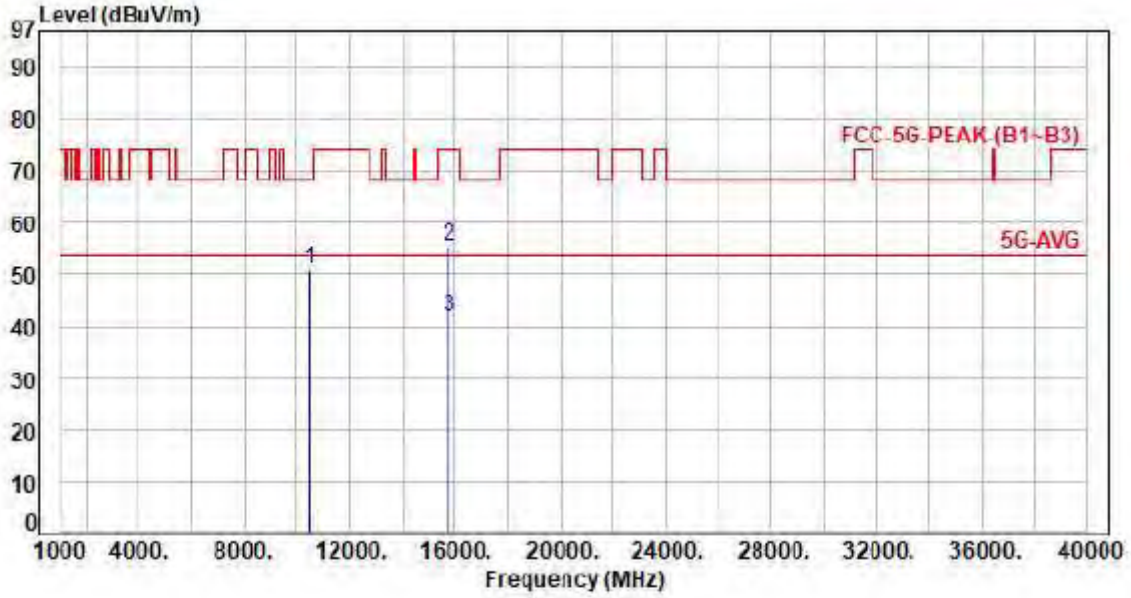
Power	AC120V/60Hz	**Pol/Phase**	VERTICAL
Test Mode	Mode 3, 802.11ac VHT20 CH52 UNII-2A		



No.	Frequency (NHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10520.00	11.60	39.70	51.30	68.20	-16.90	Peak	P
2	15780.00	12.71	41.07	53.78	74.00	-20.22	Peak	P
3	15780.00	12.71	27.54	40.25	54.00	-13.75	Average	P

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

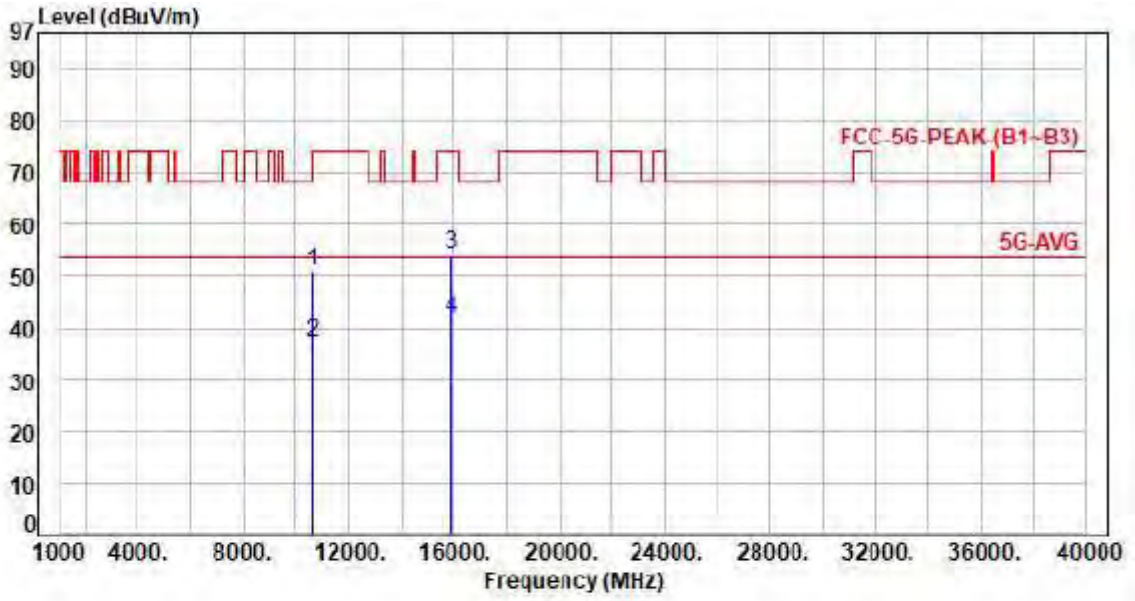
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT20 CH52 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10520.00	11.60	39.34	50.94	68.20	-17.26	Peak	P
2	15780.00	12.71	42.70	55.41	74.00	-18.59	Peak	P
3	15780.00	12.71	28.86	41.57	54.00	-12.43	Average	P

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

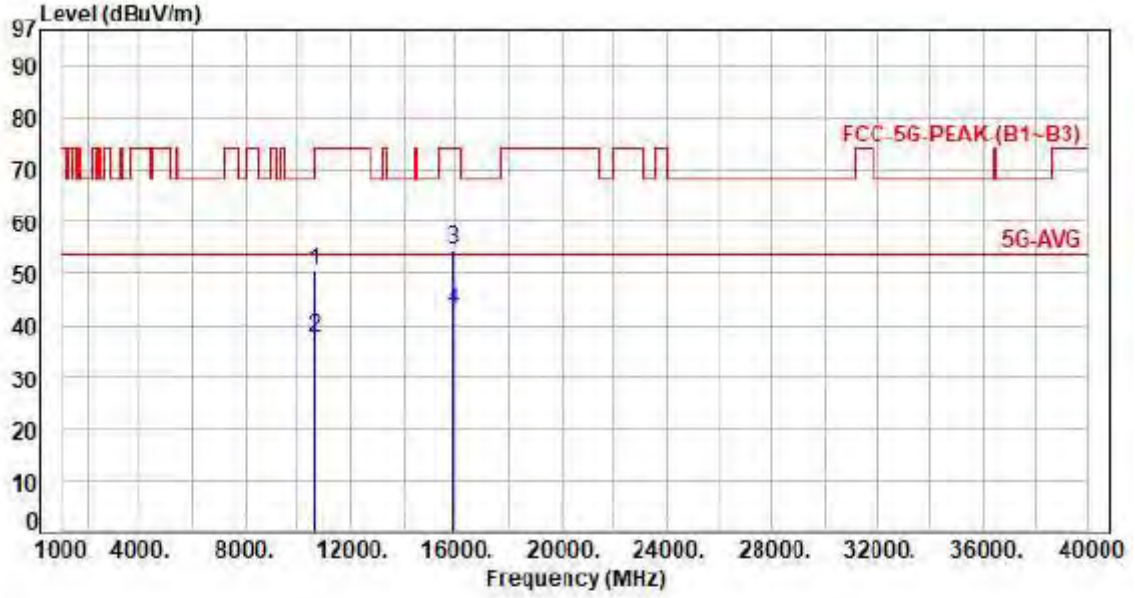
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT20 CH60 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10600.00	11.84	38.99	50.83	74.00	-23.17	Peak	P
2	10600.00	11.84	25.33	37.17	54.00	-16.83	Average	P
3	15900.00	12.52	41.73	54.25	74.00	-19.75	Peak	P
4	15900.00	12.52	28.99	41.51	54.00	-12.49	Average	P

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

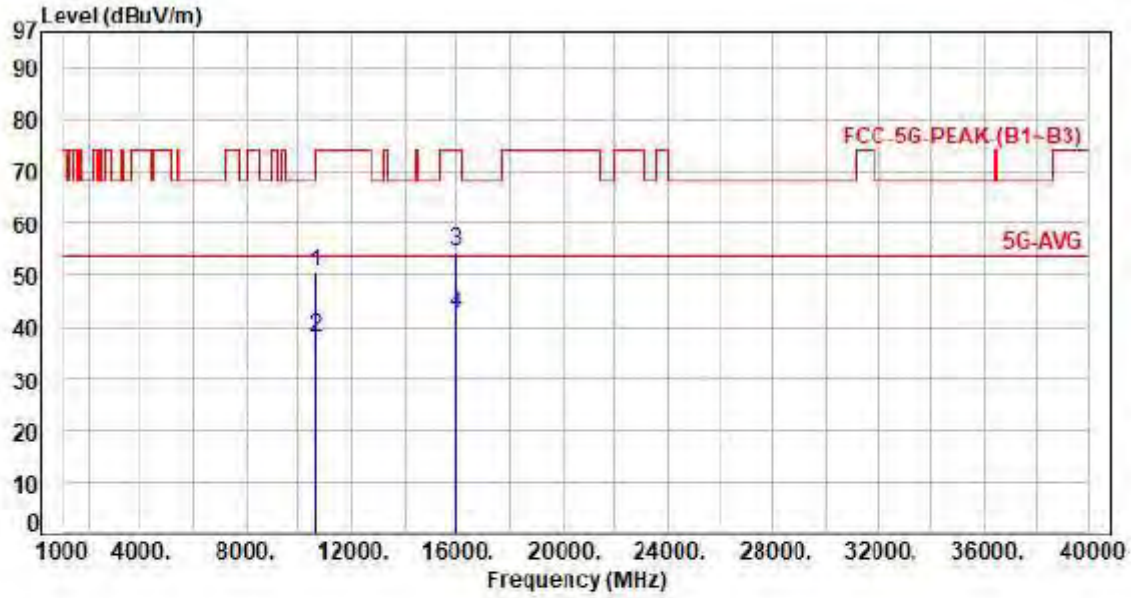
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT20 CH60 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10600.00	11.84	38.85	50.69	74.00	-23.31	Peak	P
2	10600.00	11.84	25.80	37.64	54.00	-16.36	Average	P
3	15900.00	12.52	42.20	54.72	74.00	-19.28	Peak	P
4	15900.00	12.52	30.36	42.88	54.00	-11.12	Average	P

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

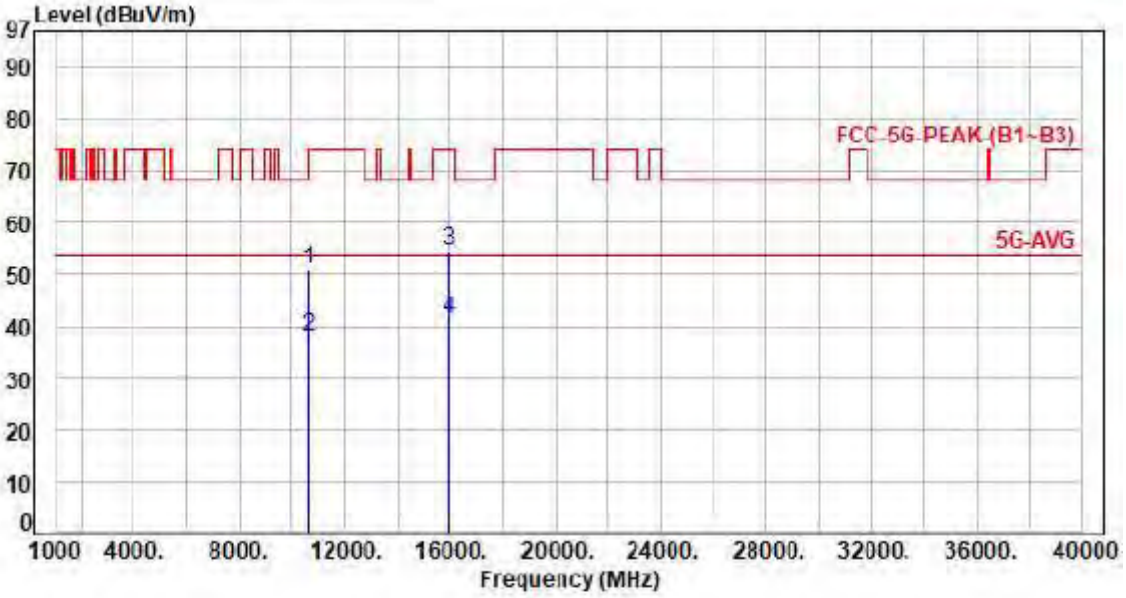
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT20 CH64 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10640.00	11.94	38.44	50.38	74.00	-23.62	Peak	P
2	10640.00	11.94	25.87	37.81	54.00	-16.19	Average	P
3	15960.00	12.43	42.23	54.66	74.00	-19.34	Peak	P
4	15960.00	12.43	29.82	42.25	54.00	-11.75	Average	P

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

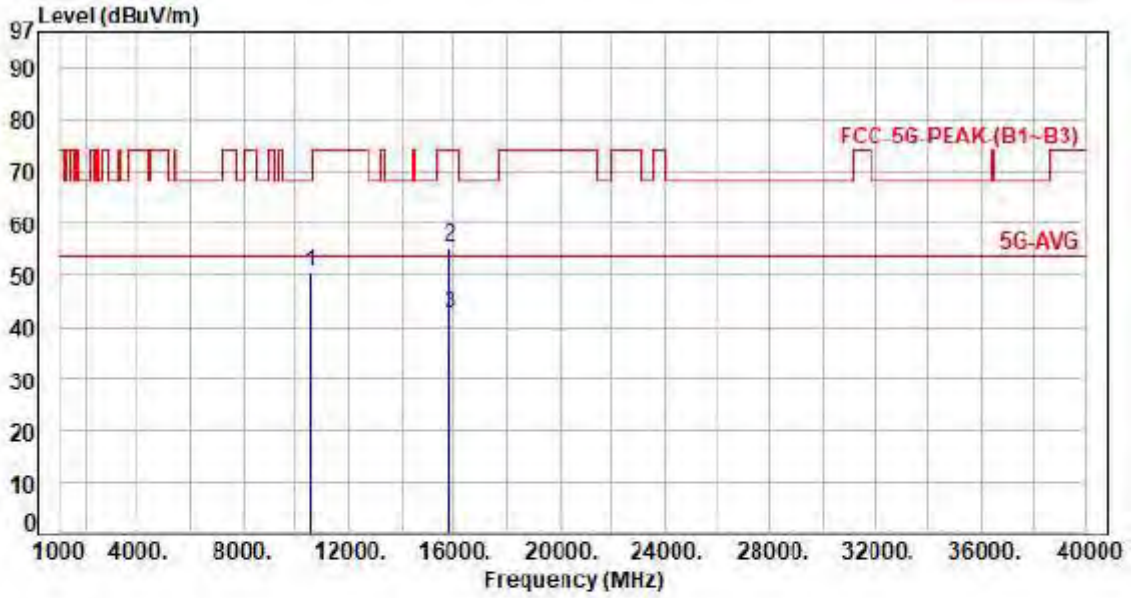
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT20 CH64 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10640.00	11.94	38.80	50.74	74.00	-23.26	Peak	P
2	10640.00	11.94	25.88	37.82	54.00	-16.18	Average	P
3	15960.00	12.43	42.09	54.52	74.00	-19.48	Peak	P
4	15960.00	12.43	28.78	41.21	54.00	-12.79	Average	P

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

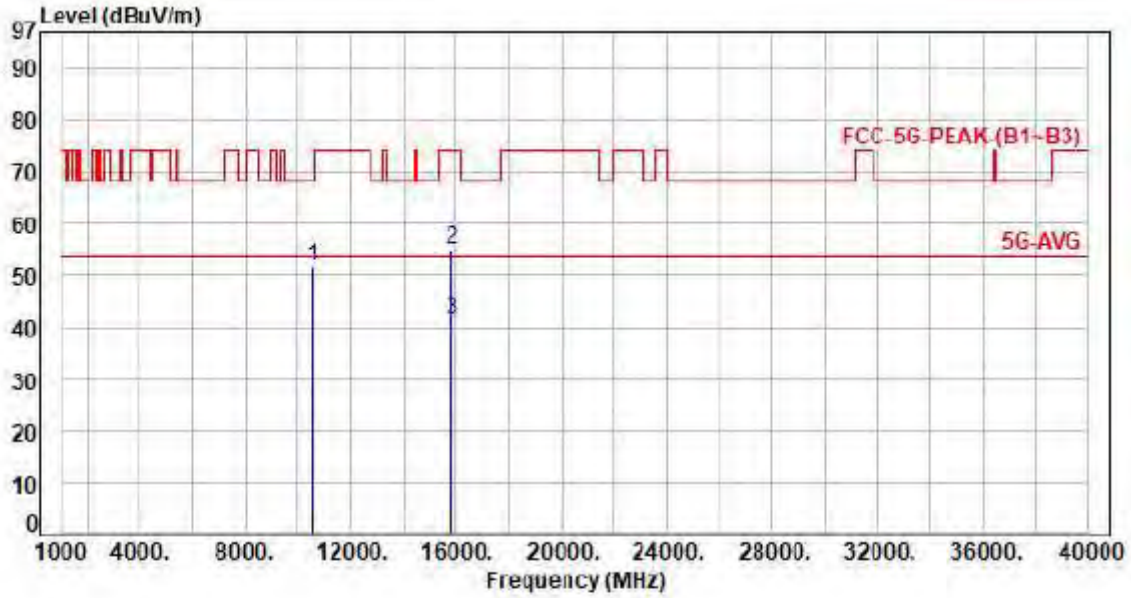
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4, 802.11ac VHT40 CH54 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10540.00	11.66	39.05	50.71	68.20	-17.49	Peak	P
2	15810.00	12.67	42.77	55.44	74.00	-18.56	Peak	P
3	15810.00	12.67	29.91	42.58	54.00	-11.42	Average	P

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

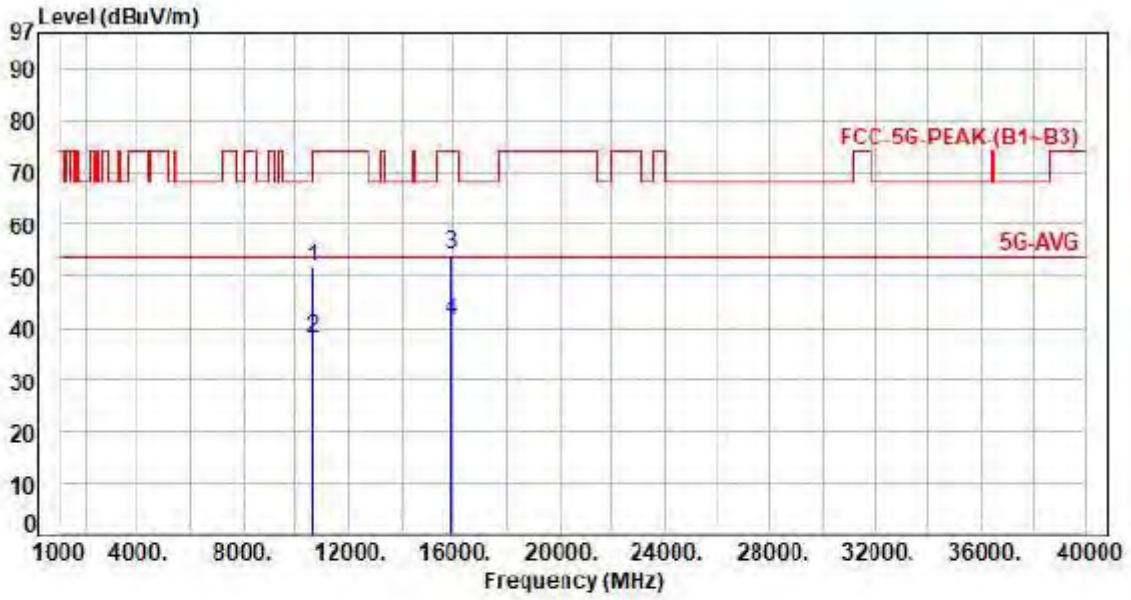
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 4, 802.11ac VHT40 CH54 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10540.00	11.66	39.99	51.65	68.20	-16.55	Peak	P
2	15810.00	12.67	42.17	54.84	74.00	-19.16	Peak	P
3	15810.00	12.67	28.71	41.38	54.00	-12.62	Average	P

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

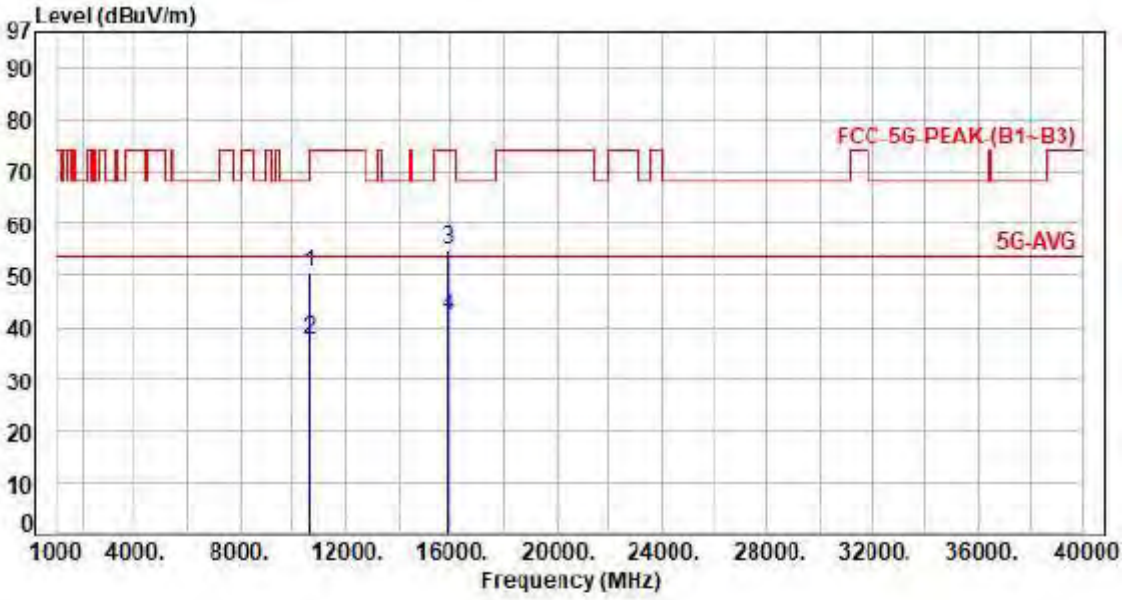
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4, 802.11ac VHT40 CH62 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10620.00	11.89	39.79	51.68	74.00	-22.32	Peak	P
2	10620.00	11.89	25.93	37.82	54.00	-16.18	Average	P
3	15930.00	12.47	41.78	54.25	74.00	-19.75	Peak	P
4	15930.00	12.47	28.99	41.46	54.00	-12.54	Average	P

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

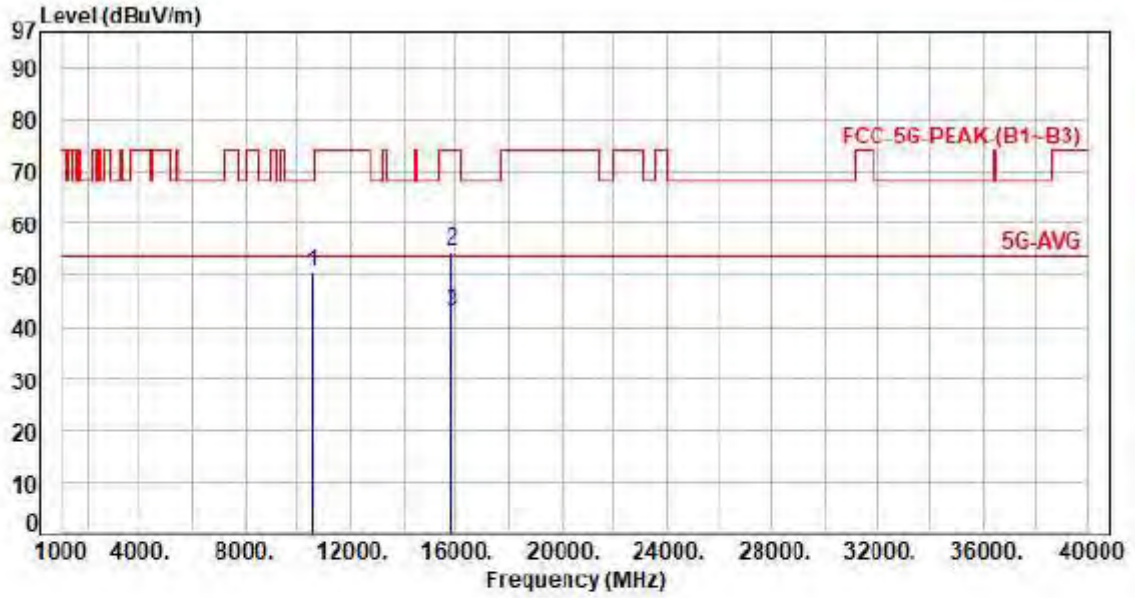
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 4, 802.11ac VHT40 CH62 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10620.00	11.89	38.56	50.45	74.00	-23.55	Peak	P
2	10620.00	11.89	25.84	37.73	54.00	-16.27	Average	P
3	15930.00	12.47	42.35	54.82	74.00	-19.18	Peak	P
4	15930.00	12.47	29.71	42.18	54.00	-11.82	Average	P

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

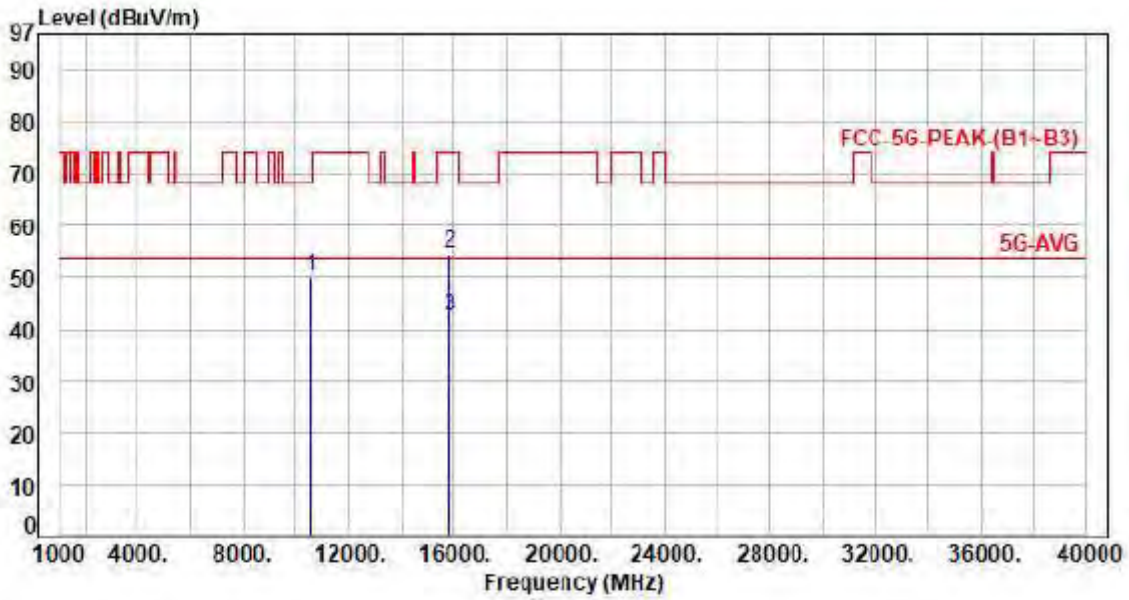
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 5, 802.11ac VHT80 CH58 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10580.00	11.78	38.75	50.53	68.20	-17.67	Peak	P
2	15870.00	12.57	42.14	54.71	74.00	-19.29	Peak	P
3	15870.00	12.57	30.18	42.75	54.00	-11.25	Average	P

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

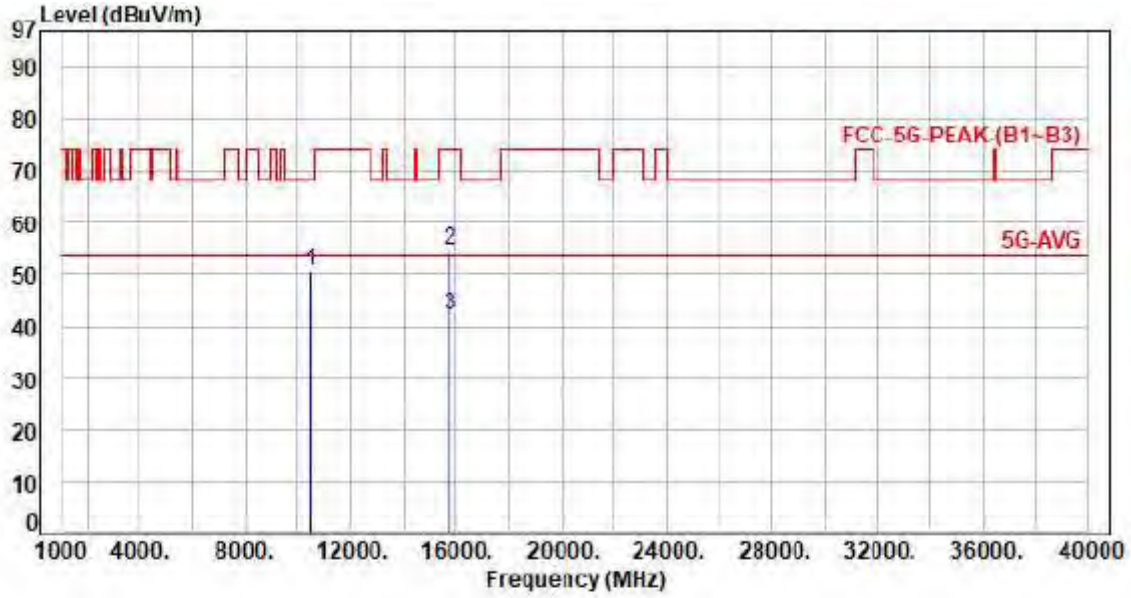
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 5, 802.11ac VHT80 CH58 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10580.00	11.78	38.41	50.19	68.20	-18.01	Peak	P
2	15870.00	12.57	42.15	54.72	74.00	-19.28	Peak	P
3	15870.00	12.57	30.01	42.58	54.00	-11.42	Average	P

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

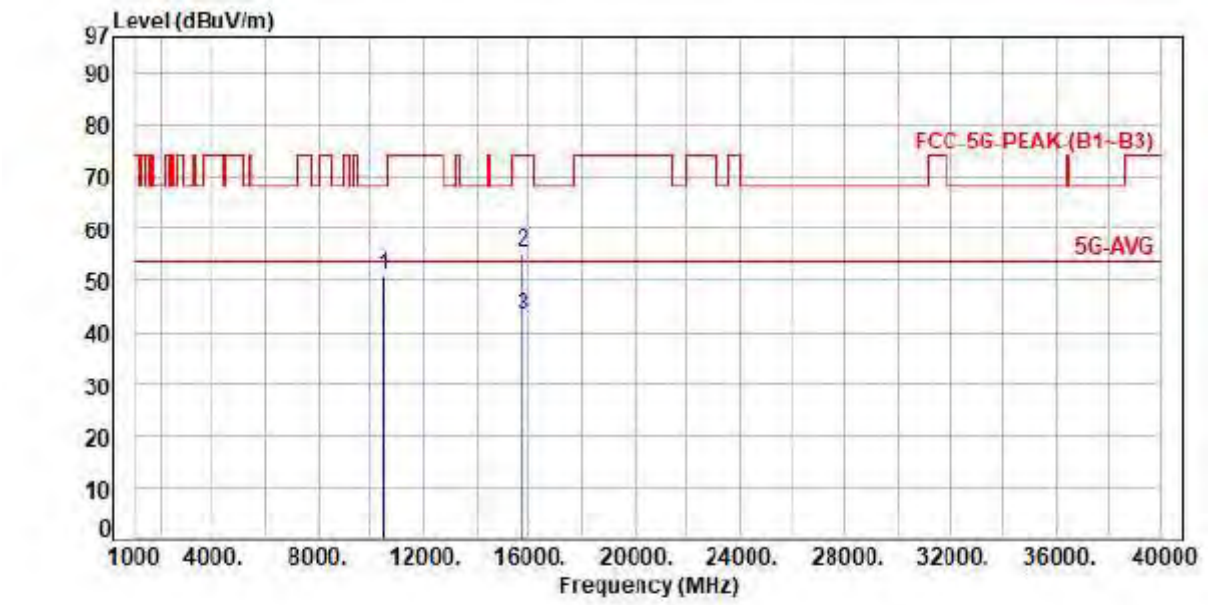
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 6, 802.11ax HE20 CH52 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10520.00	11.60	38.97	50.57	68.20	-17.63	Peak	P
2	15780.00	12.71	41.99	54.70	74.00	-19.30	Peak	P
3	15780.00	12.71	29.32	42.03	54.00	-11.97	Average	P

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

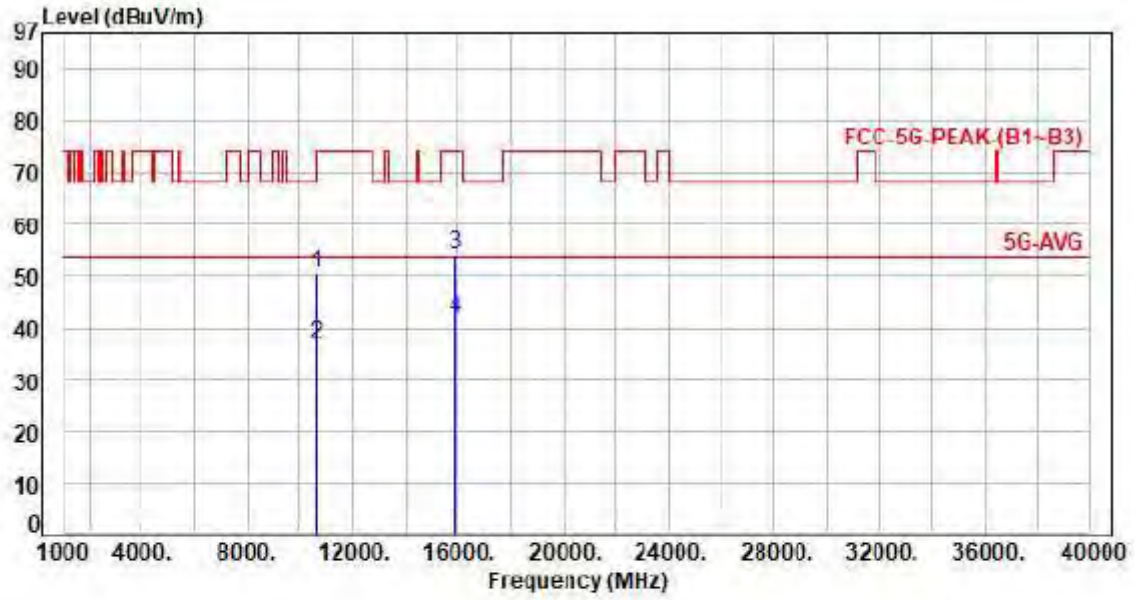
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 6, 802.11ax HE20 CH52 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10520.00	11.60	39.24	50.84	68.20	-17.36	Peak	P
2	15780.00	12.71	42.71	55.42	74.00	-18.58	Peak	P
3	15780.00	12.71	30.31	43.02	54.00	-10.98	Average	P

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

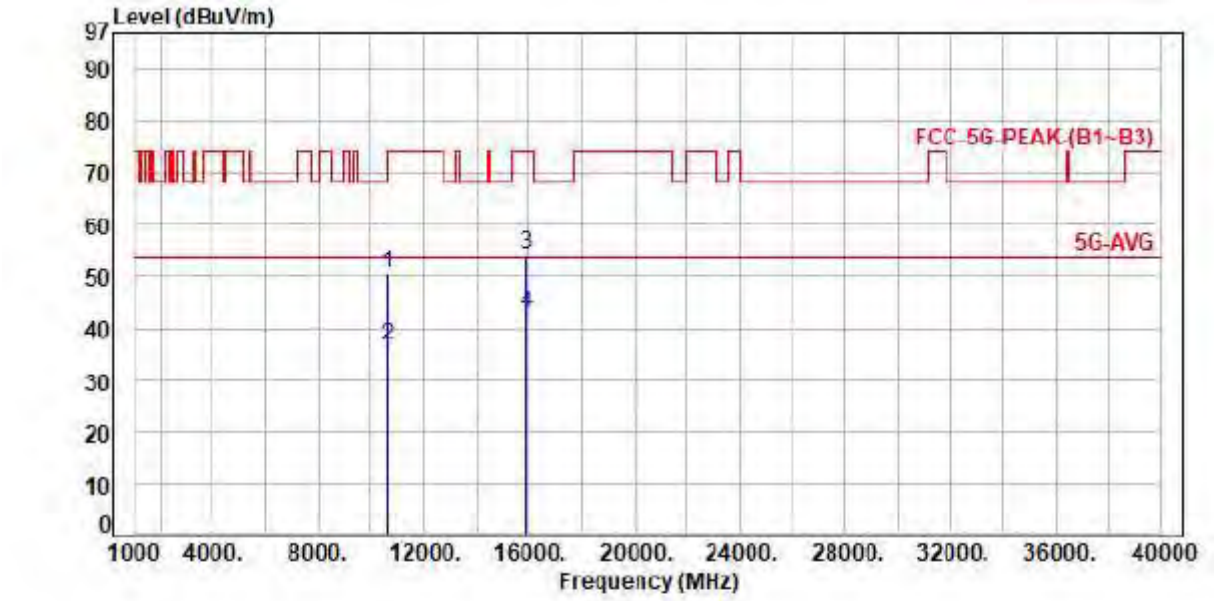
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 6, 802.11ax HE20 CH60 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10600.00	11.84	38.71	50.55	74.00	-23.45	Peak	P
2	10600.00	11.84	25.22	37.06	54.00	-16.94	Average	P
3	15900.00	12.52	41.83	54.35	74.00	-19.65	Peak	P
4	15900.00	12.52	29.33	41.85	54.00	-12.15	Average	P

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

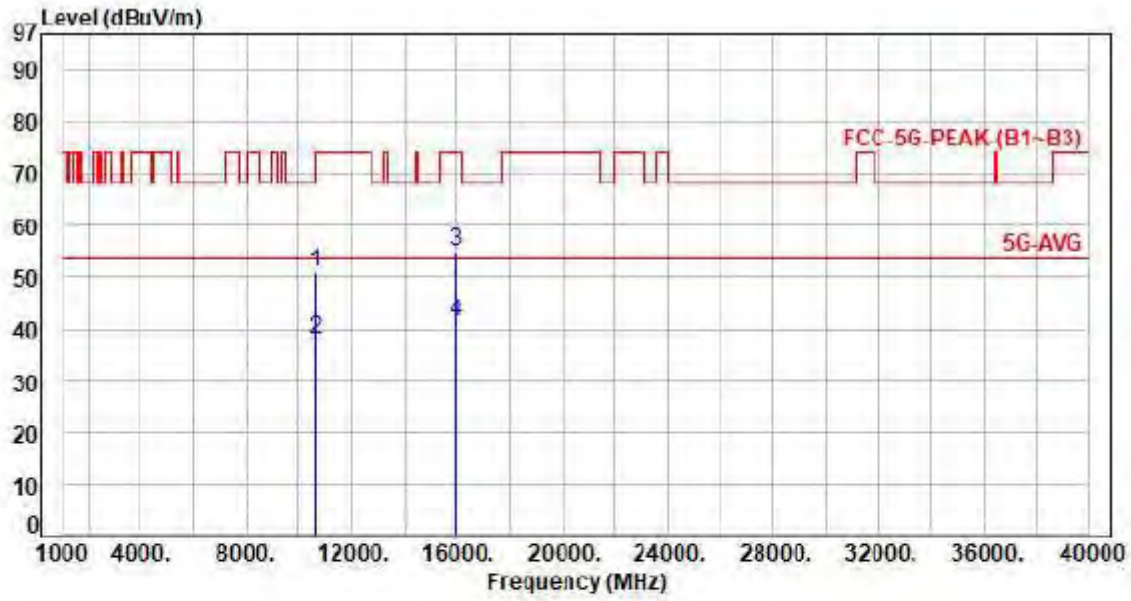
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 6, 802.11ax HE20 CH60 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10600.00	11.84	38.69	50.53	74.00	-23.47	Peak	P
2	10600.00	11.84	24.84	36.68	54.00	-17.32	Average	P
3	15900.00	12.52	41.85	54.37	74.00	-19.63	Peak	P
4	15900.00	12.52	30.23	42.75	54.00	-11.25	Average	P

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

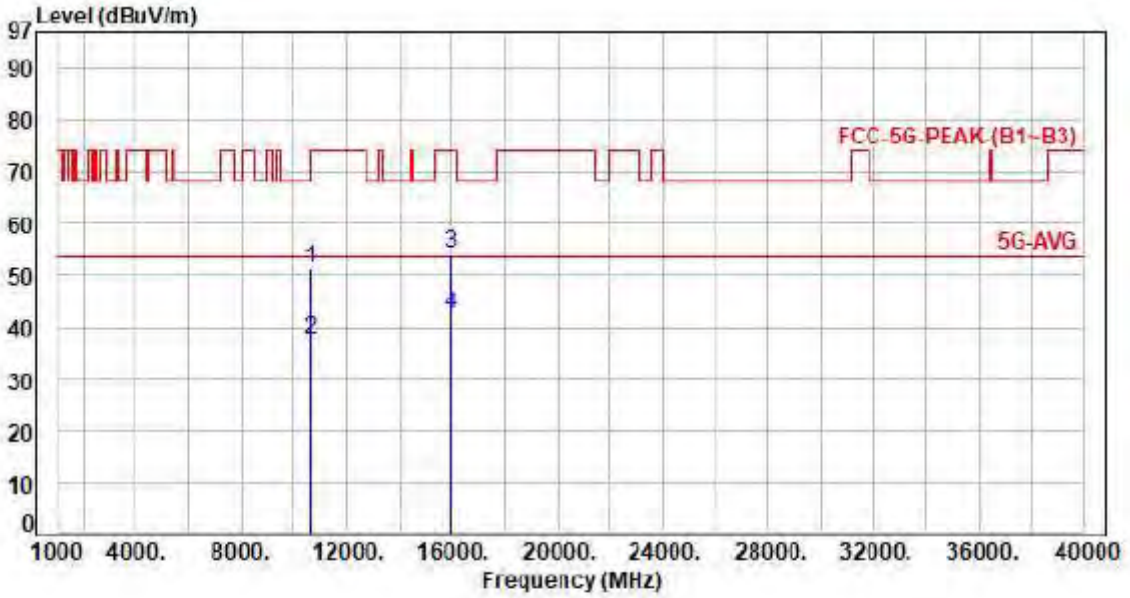
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 6, 802.11ax HE20 CH64 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10640.00	11.94	38.91	50.85	74.00	-23.15	Peak	P
2	10640.00	11.94	26.16	38.10	54.00	-15.90	Average	P
3	15960.00	12.43	42.39	54.82	74.00	-19.18	Peak	P
4	15960.00	12.43	28.82	41.25	54.00	-12.75	Average	P

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

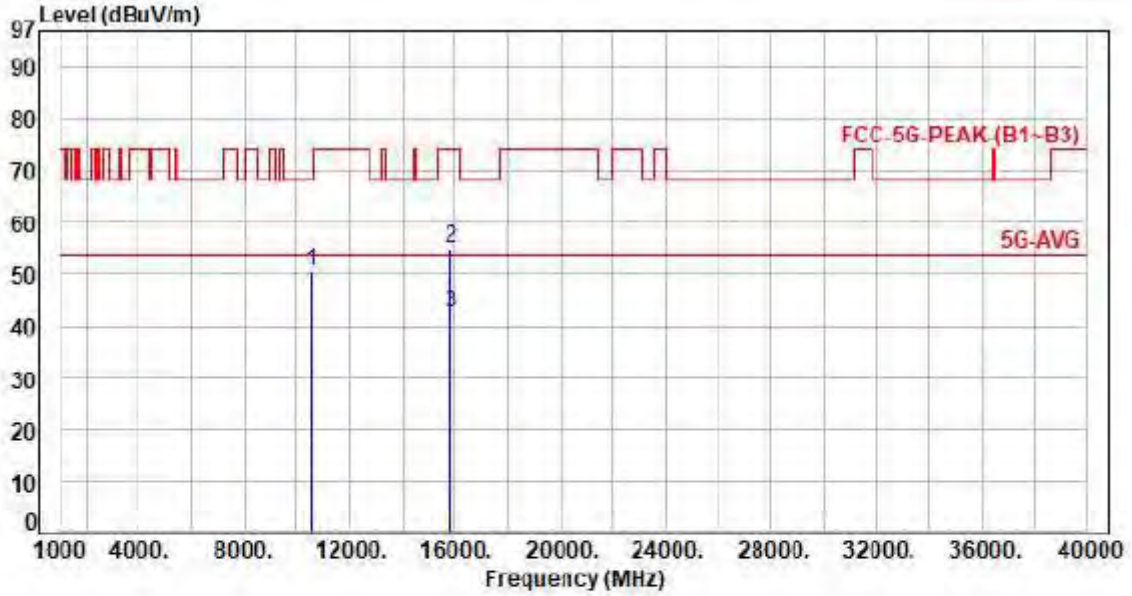
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 6, 802.11ax HE20 CH64 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10640.00	11.94	39.41	51.35	74.00	-22.65	Peak	P
2	10640.00	11.94	25.63	37.57	54.00	-16.43	Average	P
3	15960.00	12.43	41.82	54.25	74.00	-19.75	Peak	P
4	15960.00	12.43	29.98	42.41	54.00	-11.59	Average	P

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

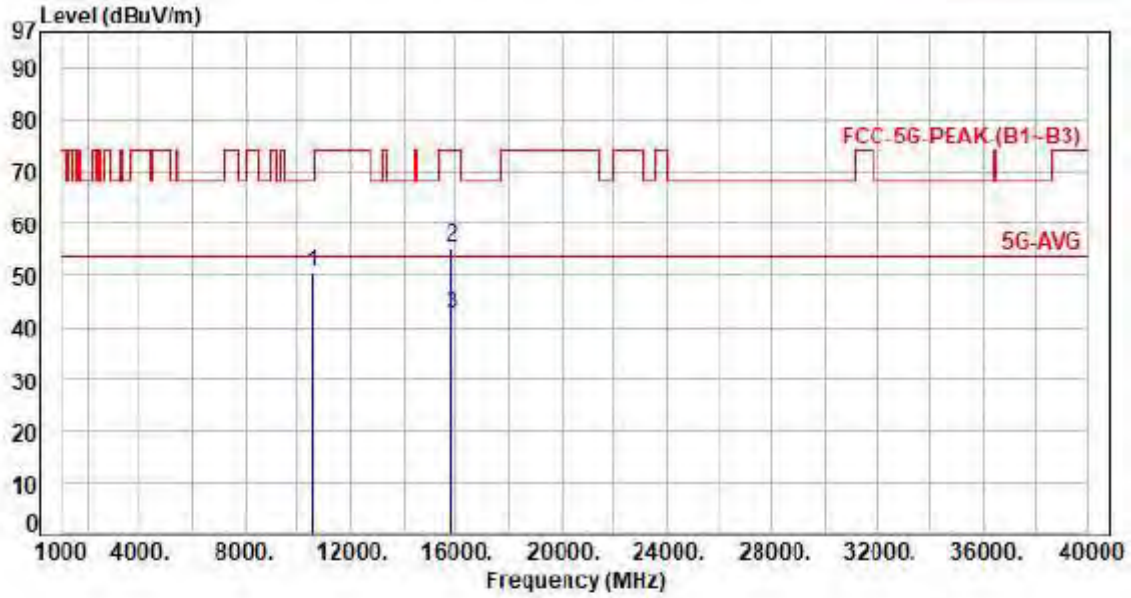
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 7, 802.11ax HE40 CH54 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10540.00	11.66	38.71	50.37	68.20	-17.83	Peak	P
2	15810.00	12.67	42.16	54.83	74.00	-19.17	Peak	P
3	15810.00	12.67	29.83	42.50	54.00	-11.50	Average	P

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

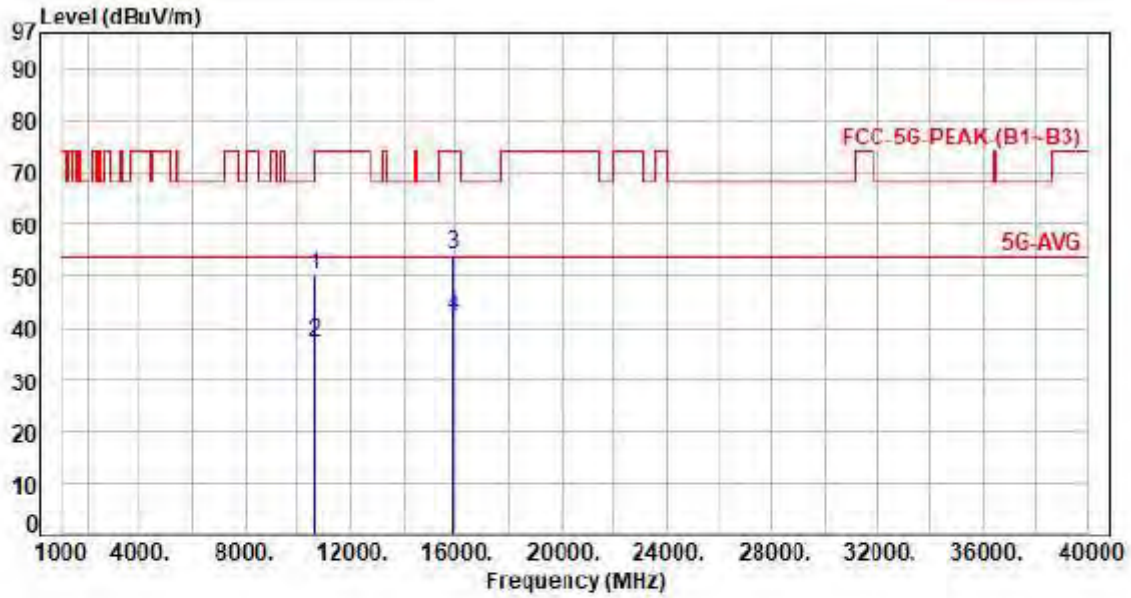
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 7, 802.11ax HE40 CH54 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10540.00	11.66	38.94	50.60	68.20	-17.60	Peak	P
2	15810.00	12.67	42.57	55.24	74.00	-18.76	Peak	P
3	15810.00	12.67	29.86	42.53	54.00	-11.47	Average	P

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

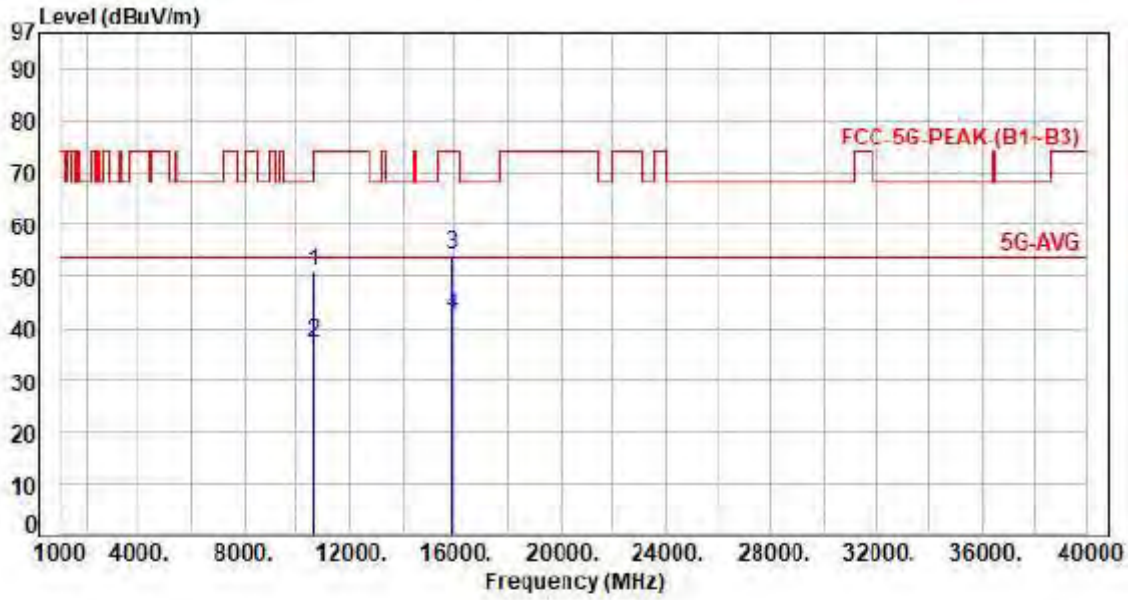
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 7, 802.11ax HE40 CH62 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10620.00	11.89	38.42	50.31	74.00	-23.69	Peak	P
2	10620.00	11.89	25.51	37.40	54.00	-16.60	Average	P
3	15930.00	12.47	41.58	54.05	74.00	-19.95	Peak	P
4	15930.00	12.47	29.73	42.20	54.00	-11.80	Average	P

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

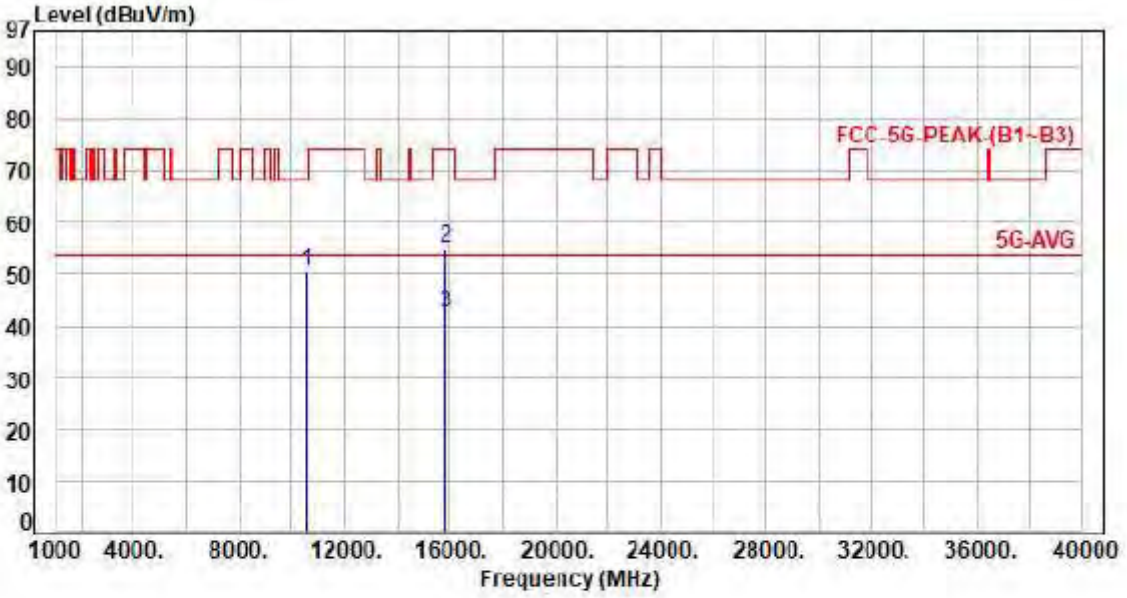
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 7, 802.11ax HE40 CH62 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10620.00	11.89	38.97	50.86	74.00	-23.14	Peak	P
2	10620.00	11.89	25.32	37.21	54.00	-16.79	Average	P
3	15930.00	12.47	41.86	54.33	74.00	-19.67	Peak	P
4	15930.00	12.47	29.77	42.24	54.00	-11.76	Average	P

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

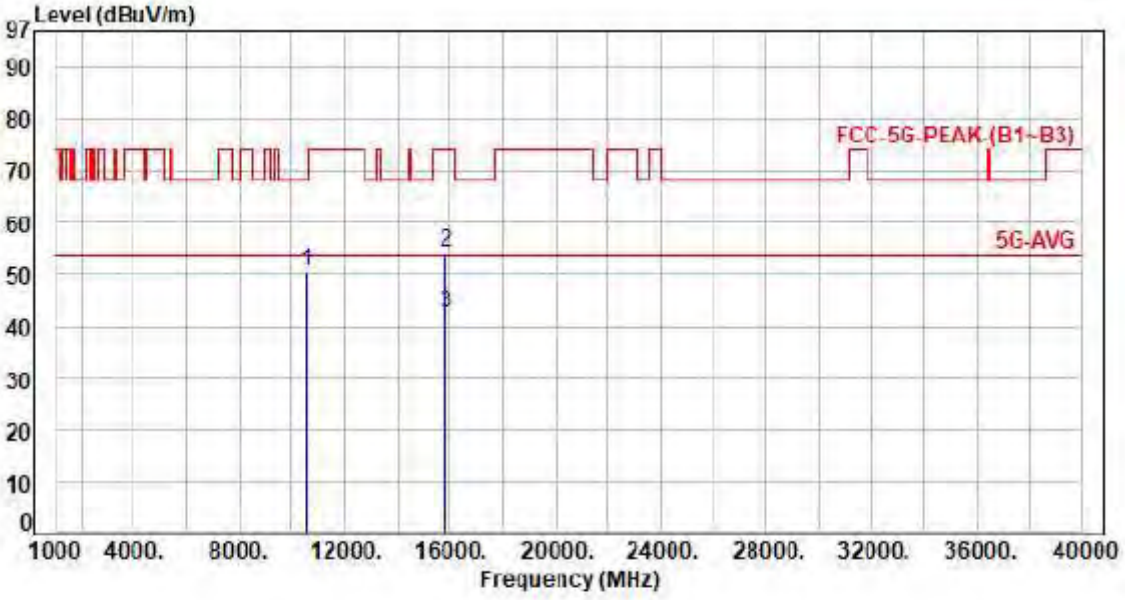
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 8, 802.11ax HE80 CH58 UNII-2A		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10580.00	11.78	38.90	50.68	68.20	-17.52	Peak	P
2	15870.00	12.57	42.49	55.06	74.00	-18.94	Peak	P
3	15870.00	12.57	30.01	42.58	54.00	-11.42	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 8, 802.11ax HE80 CH58 UNII-2A		



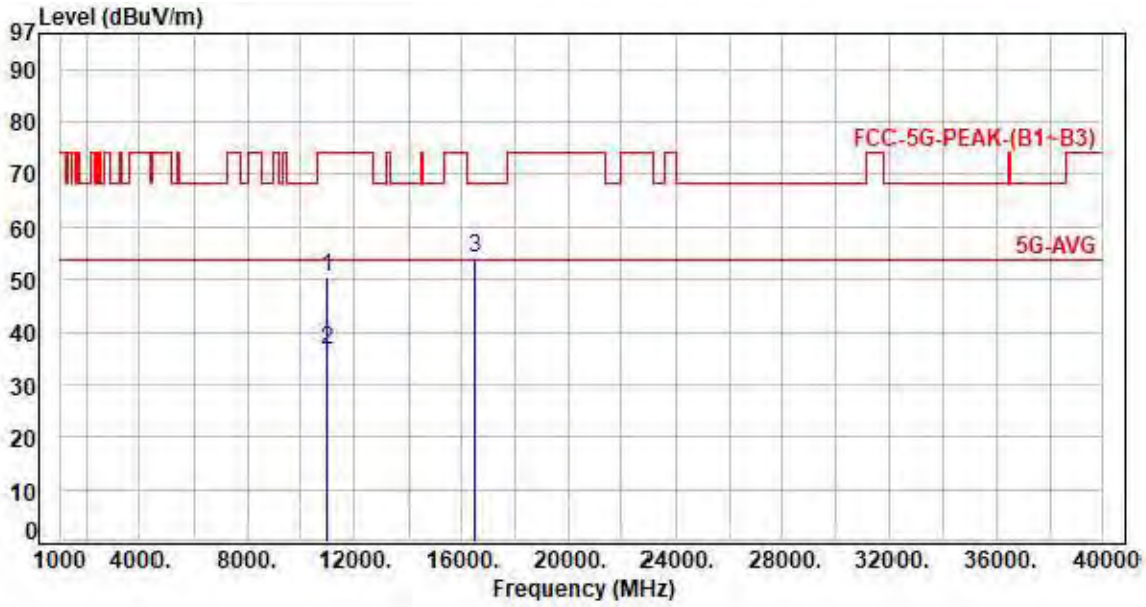
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10580.00	11.78	38.79	50.57	68.20	-17.63	Peak	P
2	15870.00	12.57	41.68	54.25	74.00	-19.75	Peak	P
3	15870.00	12.57	29.83	42.40	54.00	-11.60	Average	P

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

SISO-Ant B

UNII-2C

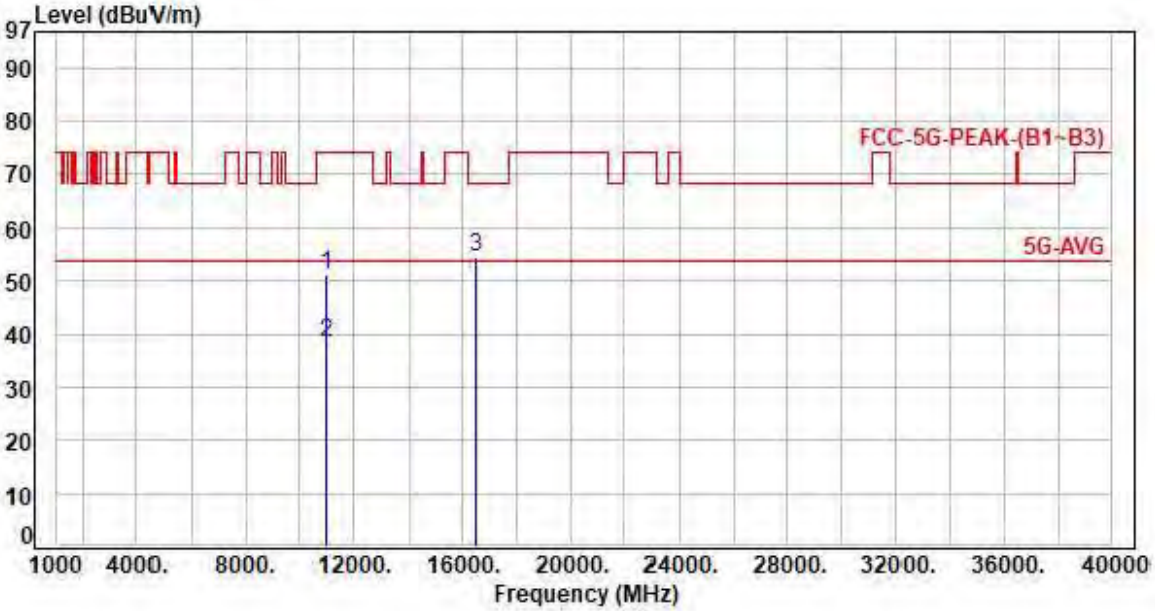
Power	AC120V/60Hz	**Pol/Phase**	VERTICAL
Test Mode	Mode 1, 802.11a CH100 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11000.00	12.54	37.90	50.44	74.00	-23.56	Peak	P
2	11000.00	12.54	24.04	36.58	54.00	-17.42	Average	P
3	16500.00	12.37	41.88	54.25	68.20	-13.95	Peak	P

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

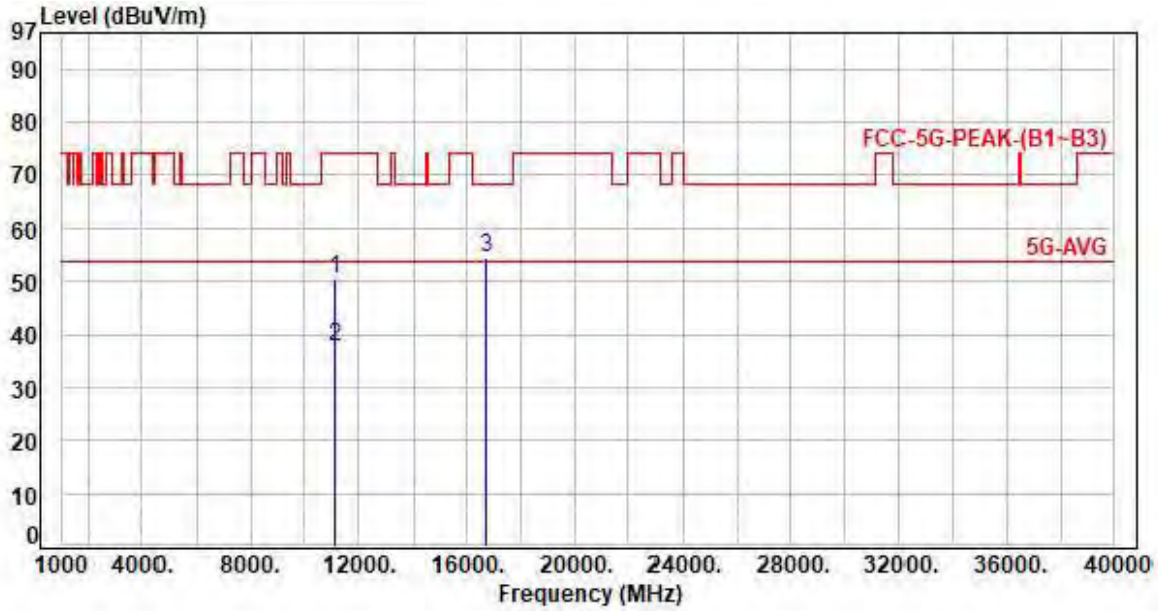
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH100 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11000.00	12.54	38.80	51.34	74.00	-22.66	Peak	P
2	11000.00	12.54	25.73	38.27	54.00	-15.73	Average	P
3	16500.00	12.37	42.38	54.75	68.20	-13.45	Peak	P

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

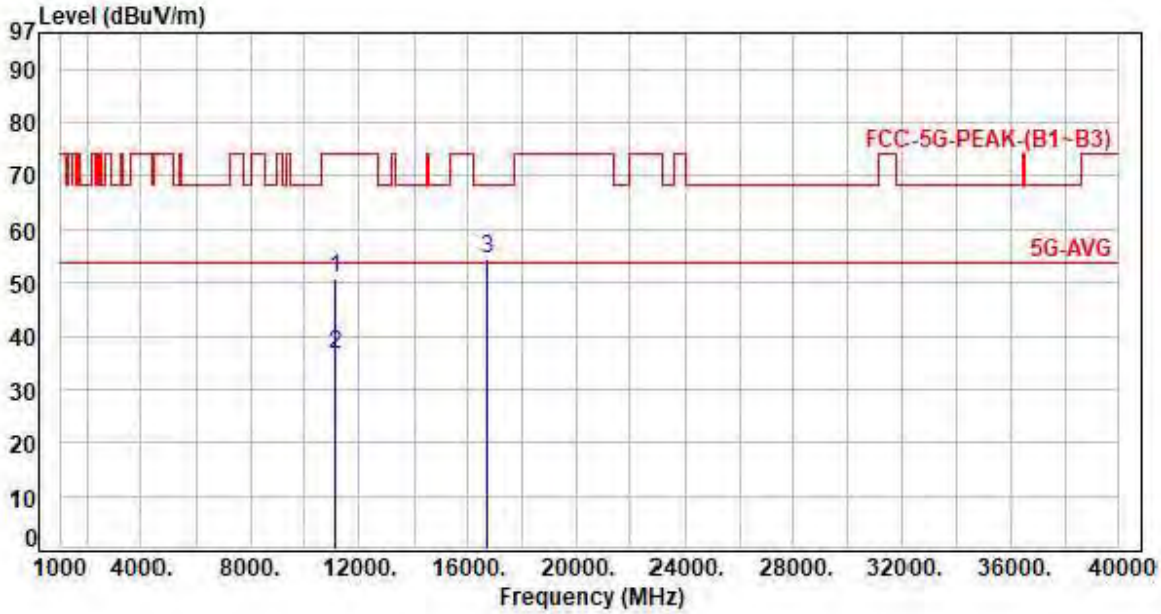
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH116 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11160.00	12.40	37.97	50.37	74.00	-23.63	Peak	P
2	11160.00	12.40	25.14	37.54	54.00	-16.46	Average	P
3	16740.00	13.07	41.54	54.61	68.20	-13.59	Peak	P

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

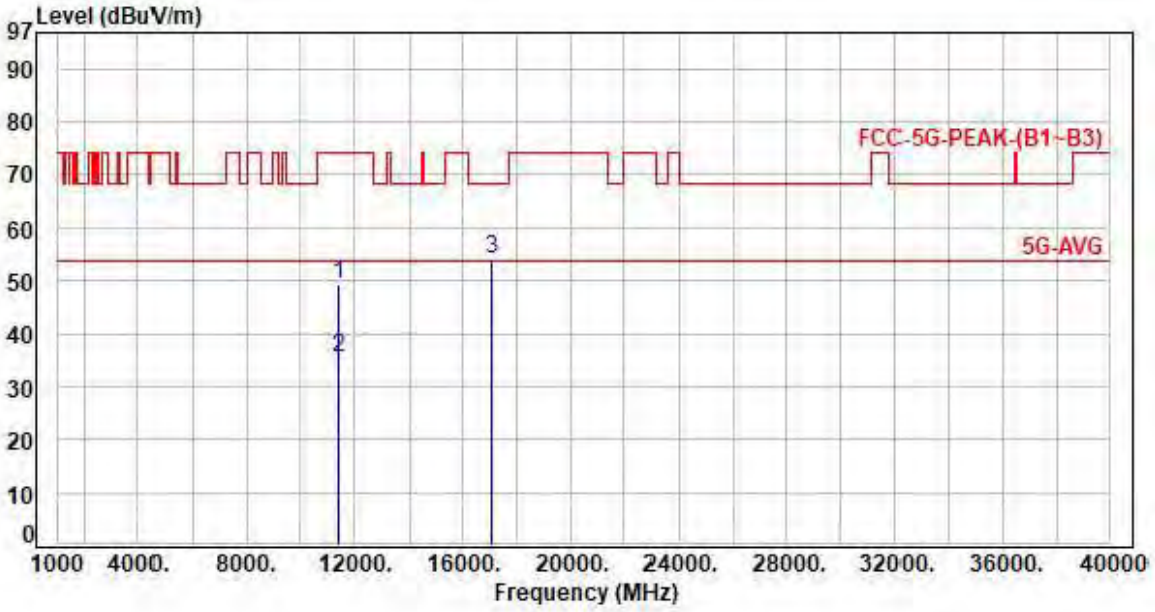
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 1, 802.11a CH116 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11160.00	12.40	38.35	50.75	74.00	-23.25	Peak	P
2	11160.00	12.40	24.21	36.61	54.00	-17.39	Average	P
3	16740.00	13.07	41.35	54.42	68.20	-13.78	Peak	P

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

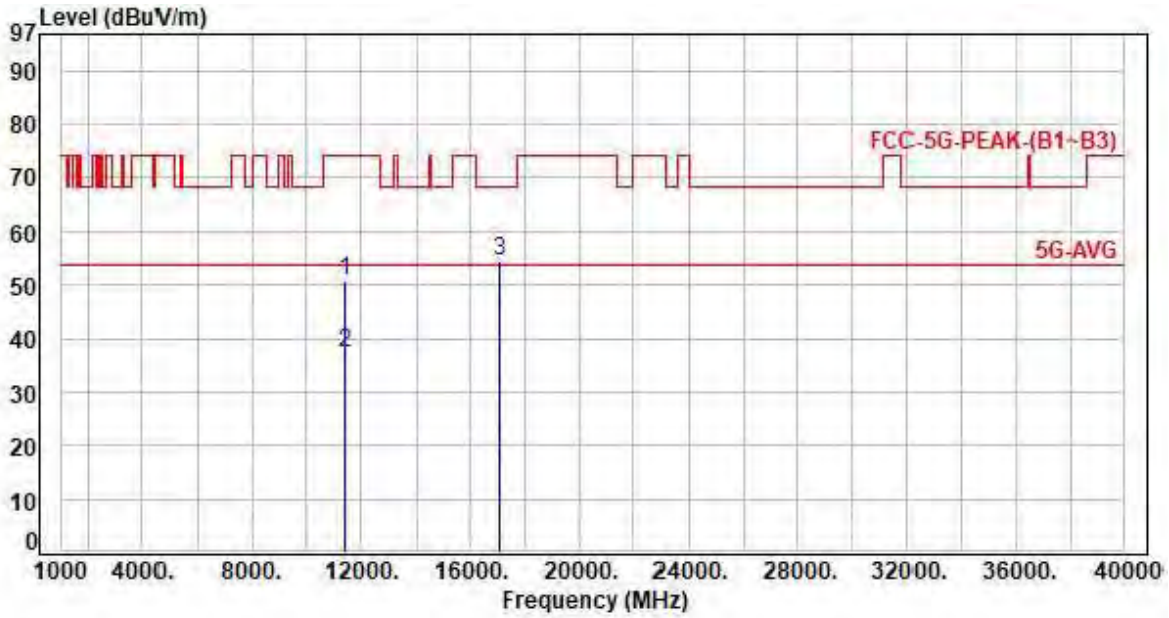
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 1, 802.11a CH140 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11400.00	12.40	36.98	49.38	74.00	-24.62	Peak	P
2	11400.00	12.40	22.87	35.27	54.00	-18.73	Average	P
3	17100.00	13.81	40.43	54.24	68.20	-13.96	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 CH140 UNII-2C		

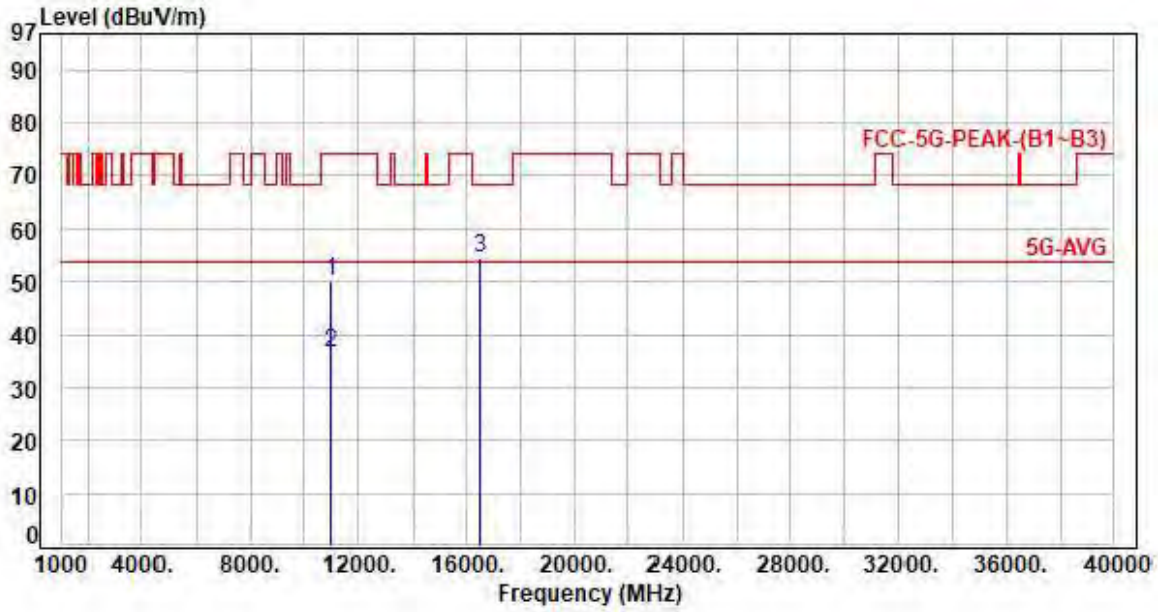


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11400.00	12.40	38.46	50.86	74.00	-23.14	Peak	P
2	11400.00	12.40	24.80	37.20	54.00	-16.80	Average	P
3	17100.00	13.81	40.74	54.55	68.20	-13.65	Peak	P

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

MIMO-UNII-2C

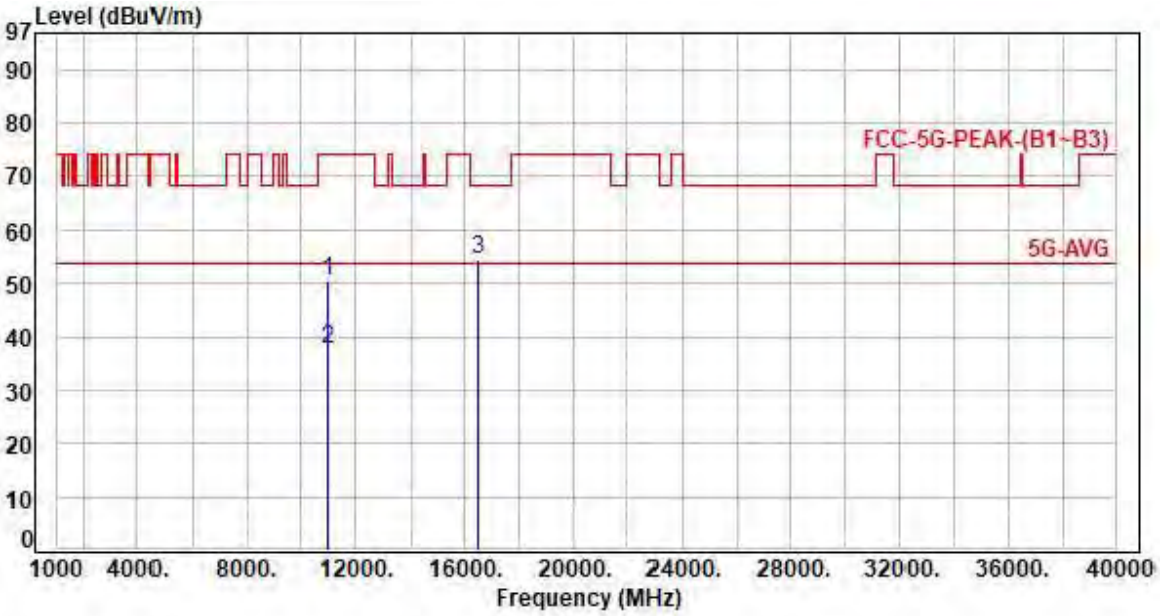
Power	AC120V/60Hz	**Pol/Phase**	VERTICAL
Test Mode	Mode 3, 802.11ac VHT20 CH100 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11000.00	12.54	37.80	50.34	74.00	-23.66	Peak	P
2	11000.00	12.54	23.97	36.51	54.00	-17.49	Average	P
3	16500.00	12.37	42.21	54.58	68.20	-13.62	Peak	P

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

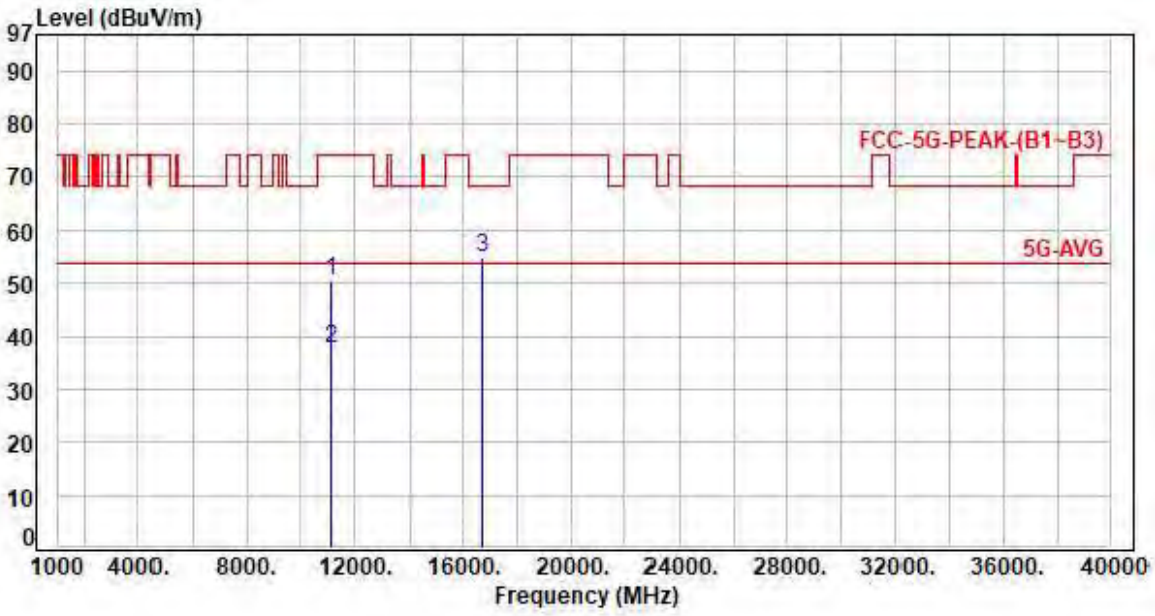
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT20 CH100 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11000.00	12.54	38.14	50.68	74.00	-23.32	Peak	P
2	11000.00	12.54	25.00	37.54	54.00	-16.46	Average	P
3	16500.00	12.37	42.14	54.51	68.20	-13.69	Peak	P

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

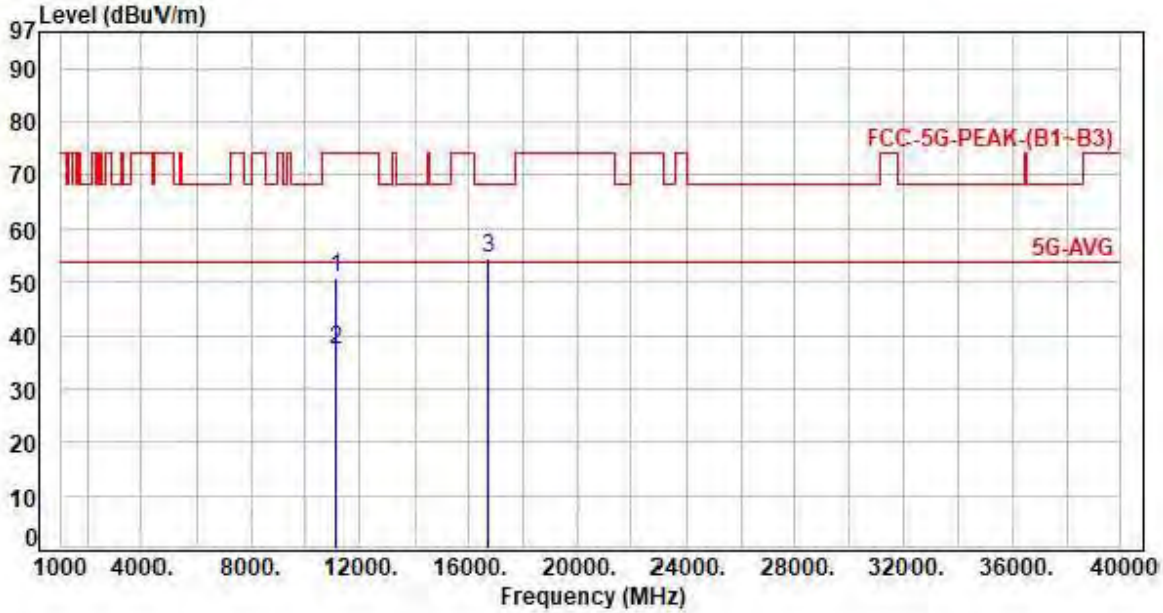
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT20 CH116 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11160.00	12.40	37.96	50.36	74.00	-23.64	Peak	P
2	11160.00	12.40	25.21	37.61	54.00	-16.39	Average	P
3	16740.00	13.07	41.73	54.80	68.20	-13.40	Peak	P

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

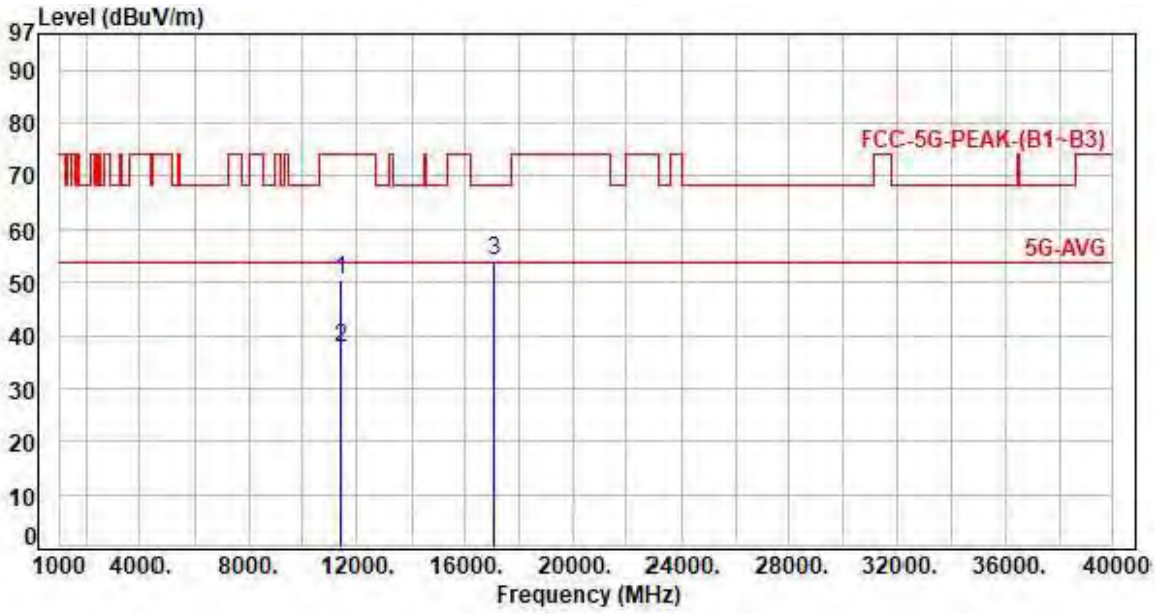
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT20 CH116 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11160.00	12.40	38.41	50.81	74.00	-23.19	Peak	P
2	11160.00	12.40	24.80	37.20	54.00	-16.80	Average	P
3	16740.00	13.07	41.63	54.70	68.20	-13.50	Peak	P

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

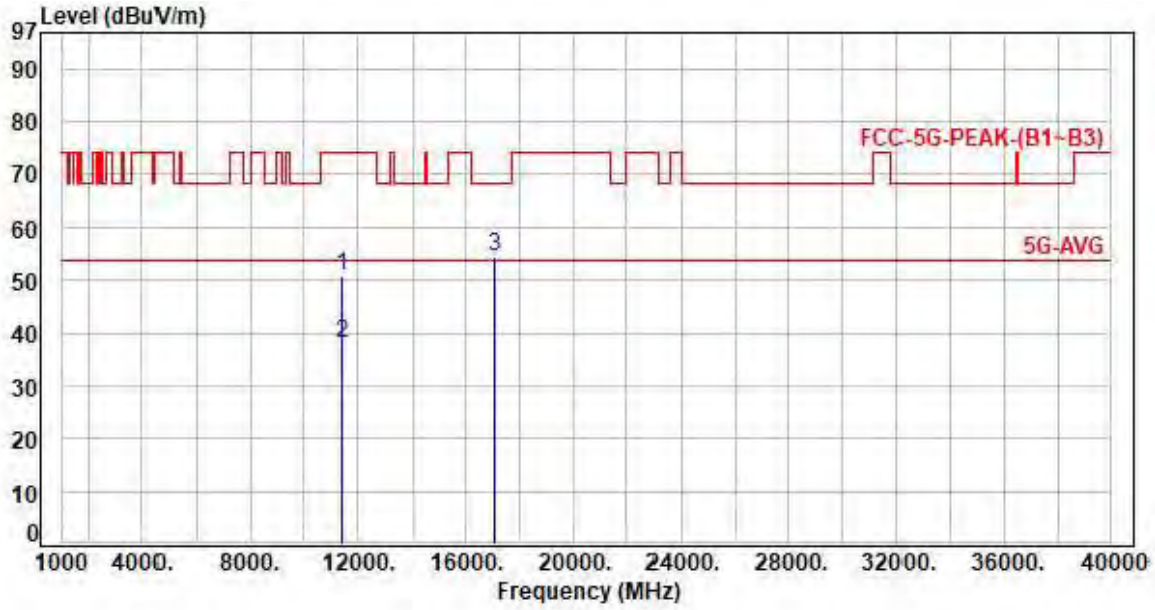
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 3, 802.11ac VHT20 CH140 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11400.00	12.40	38.22	50.62	74.00	-23.38	Peak	P
2	11400.00	12.40	25.10	37.50	54.00	-16.50	Average	P
3	17100.00	13.81	40.50	54.31	68.20	-13.89	Peak	P

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

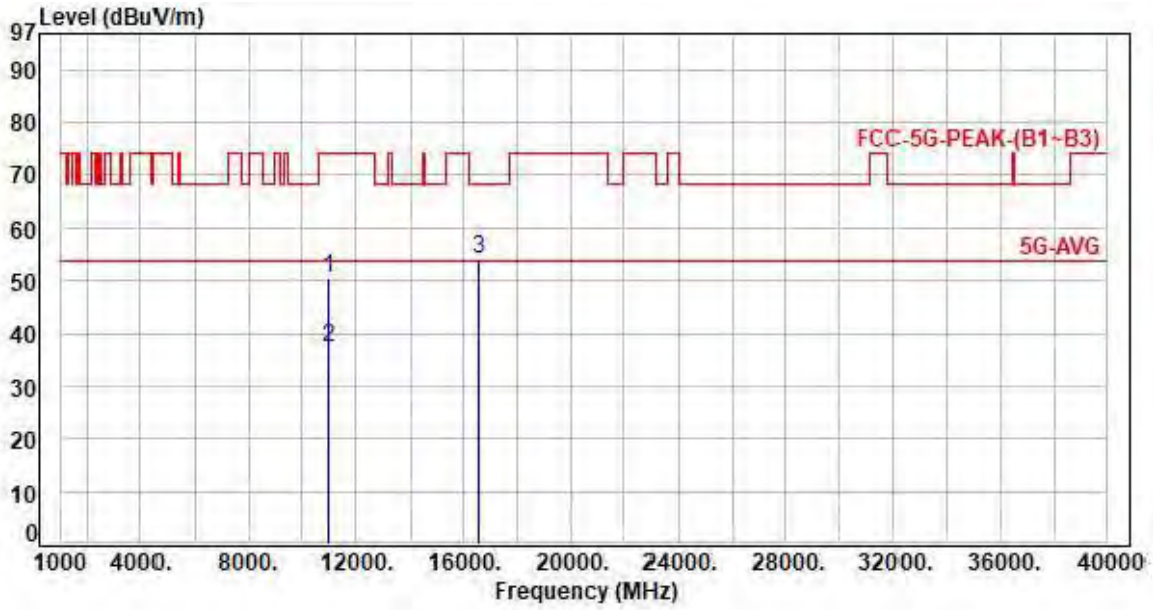
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 3, 802.11ac VHT20 CH140 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11400.00	12.40	38.45	50.85	74.00	-23.15	Peak	P
2	11400.00	12.40	25.62	38.02	54.00	-15.98	Average	P
3	17100.00	13.81	40.71	54.52	68.20	-13.68	Peak	P

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

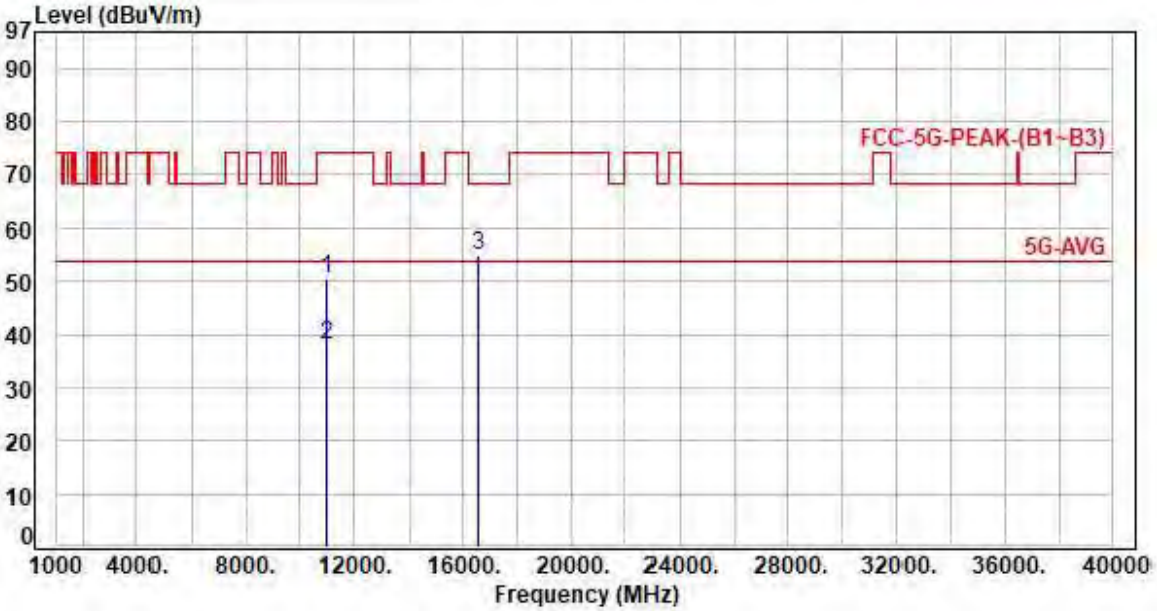
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4, 802.11ac VHT40 CH102 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11020.00	12.53	37.82	50.35	74.00	-23.65	Peak	P
2	11020.00	12.53	24.68	37.21	54.00	-16.79	Average	P
3	16530.00	12.43	41.78	54.21	68.20	-13.99	Peak	P

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

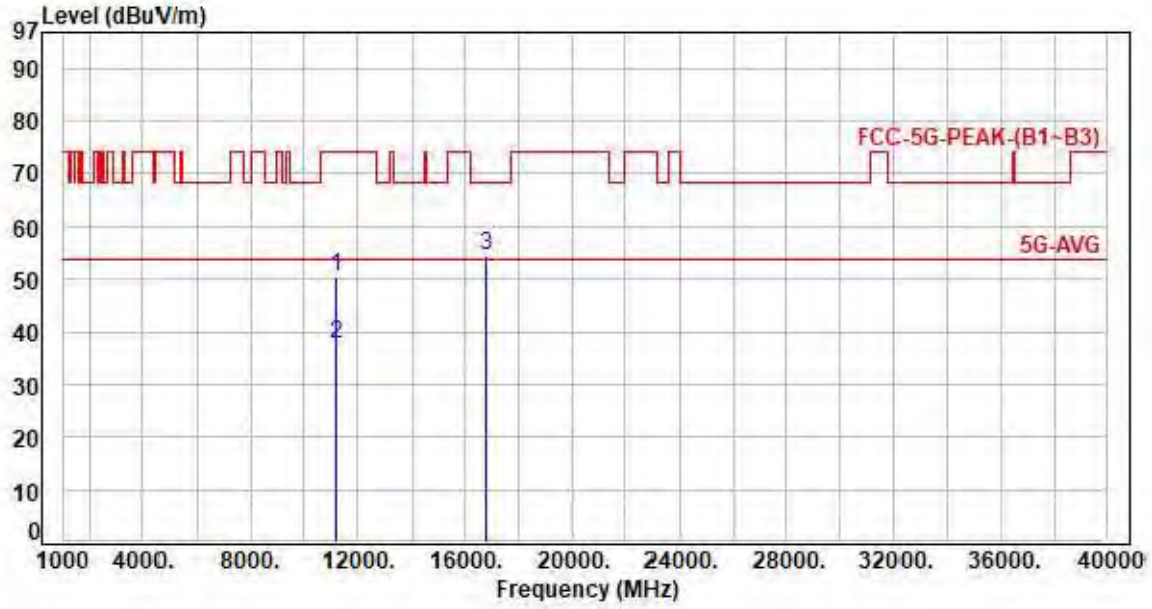
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 4, 802.11ac VHT40 CH102 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11020.00	12.53	38.18	50.71	74.00	-23.29	Peak	P
2	11020.00	12.53	25.37	37.90	54.00	-16.10	Average	P
3	16530.00	12.43	42.69	55.12	68.20	-13.08	Peak	P

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

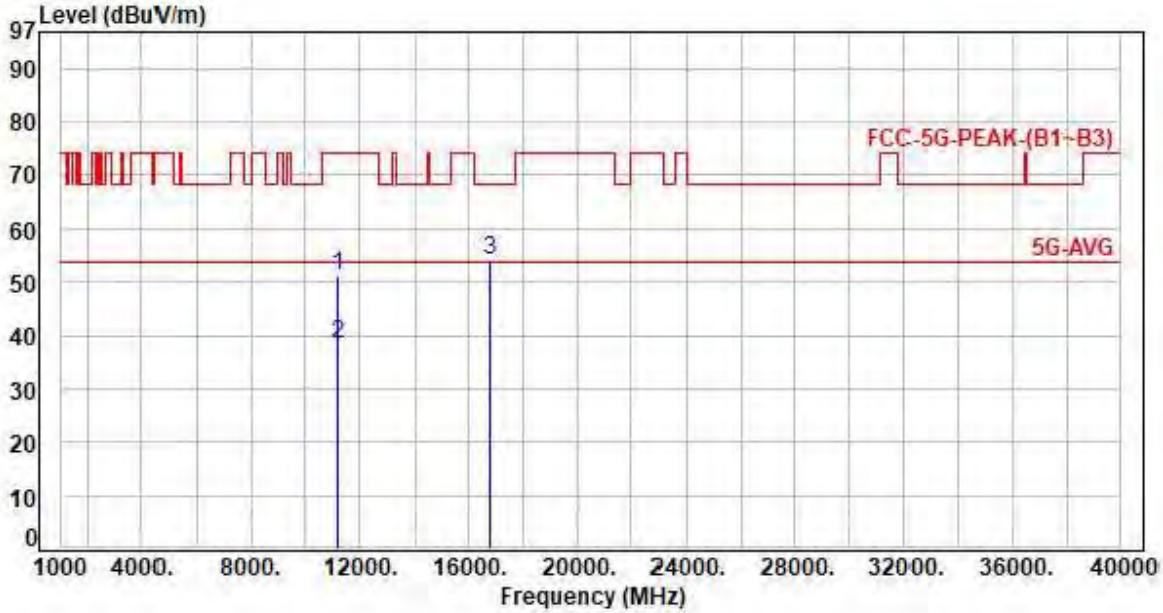
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4, 802.11ac VHT40 CH118 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11180.00	12.39	38.12	50.51	74.00	-23.49	Peak	P
2	11180.00	12.39	25.32	37.71	54.00	-16.29	Average	P
3	16770.00	13.17	41.44	54.61	68.20	-13.59	Peak	P

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

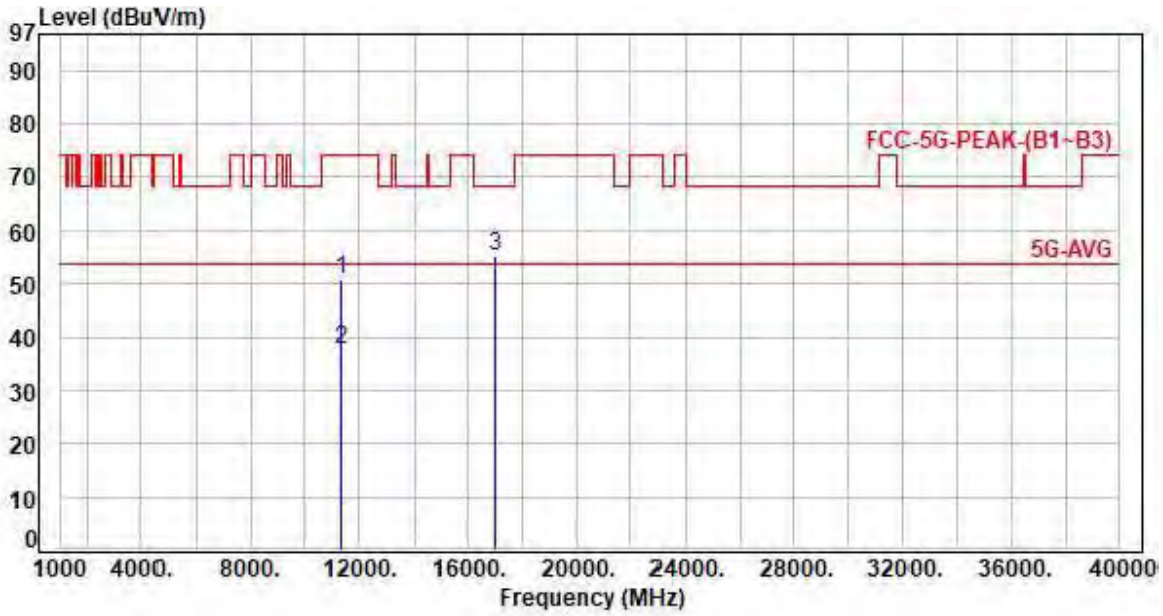
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 4, 802.11ac VHT40 CH118 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11180.00	12.39	38.83	51.22	74.00	-22.78	Peak	P
2	11180.00	12.39	25.89	38.28	54.00	-15.72	Average	P
3	16770.00	13.17	41.08	54.25	68.20	-13.95	Peak	P

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

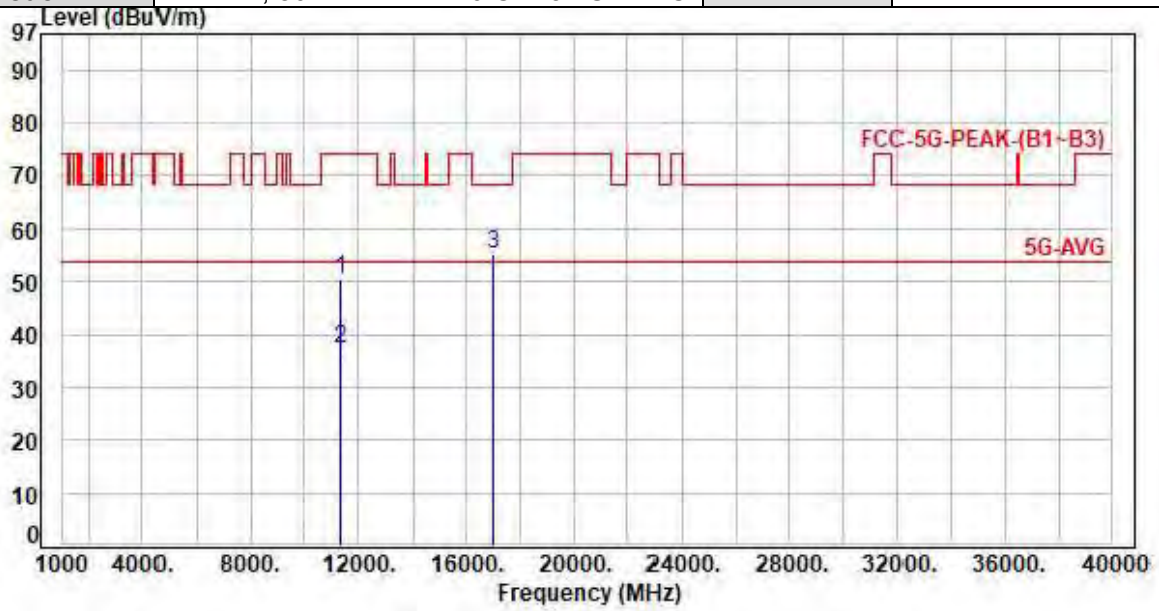
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 4, 802.11ac VHT40 CH134 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11340.00	12.40	38.41	50.81	74.00	-23.19	Peak	P
2	11340.00	12.40	25.10	37.50	54.00	-16.50	Average	P
3	17010.00	13.96	41.29	55.25	68.20	-12.95	Peak	P

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

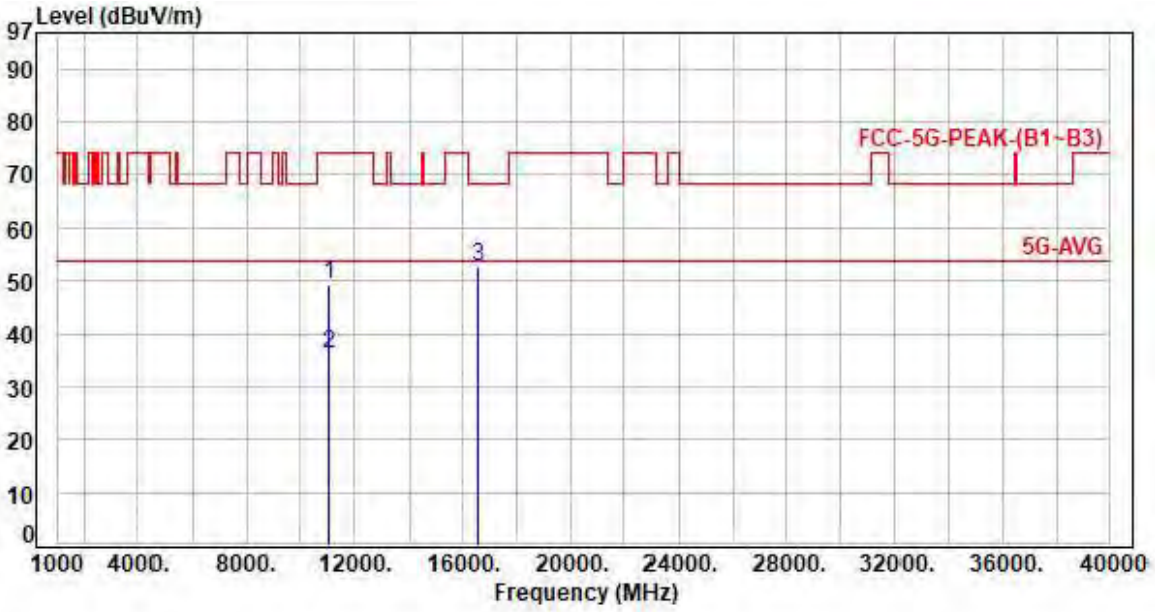
Power	AC120V/60Hz	Pol/Phase	HORIZONTAL
Test Mode	Mode 4, 802.11ac VHT40 CH134 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11340.00	12.40	38.15	50.55	74.00	-23.45	Peak	P
2	11340.00	12.40	25.02	37.42	54.00	-16.58	Average	P
3	17010.00	13.96	41.25	55.21	68.20	-12.99	Peak	P

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

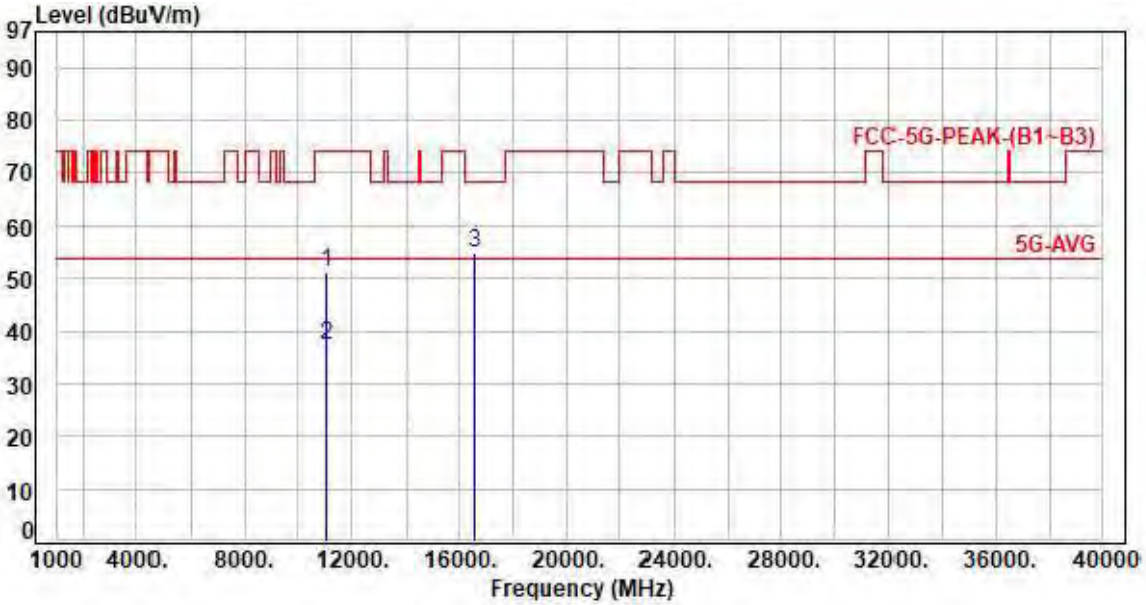
Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 5, 802.11ac VHT80 CH106 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11060.00	12.49	37.09	49.58	74.00	-24.42	Peak	P
2	11060.00	12.49	23.66	36.15	54.00	-17.85	Average	P
3	16590.00	12.55	40.03	52.58	68.20	-15.62	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 5, 802.11ac VHT80 CH106 UNII-2C		



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11060.00	12.49	38.72	51.21	74.00	-22.79	Peak	P
2	11060.00	12.49	24.79	37.28	54.00	-16.72	Average	P
3	16590.00	12.55	42.25	54.80	68.20	-13.40	Peak	P

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