



FCC RADIO TEST REPORT

Applicant : Ubiquiti Inc.
Address : 685 Third Avenue, New York, New York 10017, USA
Equipment : UniFi PowerAmp
Model No. : UPL-Amp-W, UPL-Amp-B
Trade Name : UBIQUITI
FCC ID. : SWX-UPLA

I HEREBY CERTIFY THAT:

The sample was received on Dec. 07, 2023 and the testing was completed on Mar. 01, 2024 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory





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History of this test report

Report No.	Issued Date	Description
23100292-TRFCC06	Mar. 08, 2024	Original



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	6 dB Bandwidth	PASS
15.407 (a) & (a)(3)	Average Power	PASS
15.407(a)	Power Spectral Density	PASS

*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, measurement uncertainty evaluation is not considered.

*This EUT has been also tested and compiled with the requirement of FCC Part 15, Subpart B, recorded in a separate test report (23100292-TEFV01).



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Frequency Range	BT / BLE: 2400-2483.5MHz 802.11b/g/n: 2400-2483.5MHz 802.11a/n/ac: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
Center Frequency Range	BT / BLE: 2402-2480MHz 802.11b/g/n: 2412MHz~2462MHz 802.11a/n/ac: 5180-5240MHz, 5260-5320MHz, 5500-5720MHz, 5745-5825MHz
Modulation Type	BT: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Modulation Technology	FHSS, DTS, DSSS, OFDM
Data Rate	BT: GFSK: 1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80
Antenna Type	PIFA Antenna
Antenna Gain	For BT / BLE: 2400MHz~2483.5MHz: ANT A: 3.00dBi For WLAN: 2400MHz~2483.5MHz: ANT A: 3.00dBi, ANT B: 3.00dBi 5150MHz~5250MHz: ANT A: 7.00dBi, ANT B: 7.00dBi 5250MHz~5350MHz: ANT A: 7.00dBi, ANT B: 7.00dBi 5470MHz~5725MHz: ANT A: 7.00dBi, ANT B: 7.00dBi 5725MHz~5850MHz: ANT A: 7.00dBi, ANT B: 7.00dBi

Note:

1. EUT support TPC Function.
2. WLAN and BT can simultaneously transmission.
3. EUT supports DFS Client Mode, without radar detection.
4. For more details, please refer to the User's manual of the EUT.

Difference Description:

The difference of model no. is the color of EUT.



2.2. Carrier Frequency of Channels

Band: 5150MHz-5250MHz

802.11a, 802.11n HT20, 802.11ac VHT20

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

802.11n HT40, 802.11ac VHT40

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

802.11ac VHT80

Channel	Frequency(MHz)
*42	5210

Band: 5250MHz-5350MHz

802.11a, 802.11n HT20, 802.11ac VHT20

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

802.11n HT40, 802.11ac VHT40

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

802.11ac VHT80

Channel	Frequency(MHz)
*58	5290

Band: 5470MHz-5725MHz

802.11a, 802.11n HT20, 802.11ac VHT20

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

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

802.11ac VHT80

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



Band 3: Straddle Channel

802.11a, 802.11n HT 20, 802.11ac VHT20

Channel	Frequency(MHz)
*144	5720

802.11n HT40, 802.11ac VHT40

Channel	Frequency(MHz)
*142	5710

802.11ac VHT80

Channel	Frequency(MHz)
*138	5690

Band: 5725MHz-5850MHz

802.11a, 802.11n HT20, 802.11ac VHT20

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

802.11n HT40, 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

- During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- An executive program, "Qualcomm Radio Control Tool ver: 4.0.00192.0" under Windows 10 system was executed to transmit and receive data via WLAN.
- The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode 1	802.11ac VHT40 (13.5Mbps), TX Mode, Power from System (AC 120V/60Hz)
Test Mode 2	802.11ac VHT40 (13.5Mbps), TX Mode, Power from System (AC 240V/60Hz)
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiated Emissions (30MHz ~ 1GHz)	
Test Mode 1	802.11ac VHT40 (13.5Mbps), TX Mode, Power from System (AC 120V/60Hz)
Test Mode 2	802.11ac VHT40 (13.5Mbps), TX Mode, Power from System (AC 240V/60Hz)
caused "Test Mode 2" generated the worst case, it was reported as the final data.	
Radiated Emissions (1GHz ~ 40GHz)	
Test Mode 1	802.11a (6Mbps), TX Mode, Power from System (AC 120V/60Hz)
Test Mode 2	802.11ac VHT20 (6.5Mbps), TX Mode, Power from System (AC 120V/60Hz)
Test Mode 3	802.11ac VHT40 (13.5Mbps), TX Mode, Power from System (AC 120V/60Hz)
Test Mode 4	802.11ac VHT80 (29.3Mbps), TX Mode, Power from System (AC 120V/60Hz)
caused "Test Mode 1,2,3,4" were the worst case, these were reported as the final data.	

The EUT incorporates a MIMO function

Modulation Type	TX CONFIGURATION
802.11a	2TX
802.11n HT20	2TX
802.11n HT40	2TX
802.11ac VHT20	2TX
802.11ac VHT40	2TX
802.11ac VHT80	2TX



2.4. Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	lenovo	S1GL2W	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A

Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
Notebook	Lenovo	S2292L	N/A	Adapter / 1.8m / NS

AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	Lenovo	S2292L	N/A	Adapter / 1.8m / NS
RJ45 Cable*2	TE CONNECTIVITY	CAT5E	15m / NS	N/A



2.5. General Information of Test

☑ Test Site	CerpPASS Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel: +886-3-3226-888 Fax: +886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
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-NK	2024/01/12~ 2024/01/13	21.2~23.8°C / 41~42%	Leon Huang
Radiated Emissions	3M02-NK	2024/01/09 ~ 2024/01/16	18.2~20.4°C / 42~48%	Leon Huang
Radiated Emissions	3M02-NK	2024/03/01	18.5°C / 53%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2024/03/01	20°C / 59%	Park Chen

2.6. 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)	±3.12dB
Radiated Spurious Emission(9KHz~30MHz)	±3.5dB
Radiated Spurious Emission(30MHz~1GHz)	±5.1dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
6dB Bandwidth	±5.4%
20dB Bandwidth	±4.4%
Occupied Bandwidth	±4.5%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%
Frequency Stability	±0.23KHz



3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions (2024/01/09 ~ 2024/01/16)				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	369	2023/03/15	2024/03/14
Active Loop Antenna	Schwarzbeck	FMZB 1513	414	2023/02/03	2024/02/02
Horn Antenna	EMCO	3115	31589	2023/03/23	2024/03/22
Horn Antenna	EMCO	3116	31970	2023/03/03	2024/03/02
EMI Receiver	R&S	ESCI	101423	2023/07/05	2024/07/04
Spectrum Analyzer	R&S	FSP 40	100047	2023/02/24	2024/02/23
Preamplifier	Agilent	8449B	3008A01954	2023/03/08	2024/03/07
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2023/10/13	2024/10/12
Preamplifier	EM Electronics corp.	EM330	60659	2023/03/10	2024/03/09
Cable-6m (9k~300M)	NA	EMC5D-BM-BM-6	130606	2023/03/13	2024/03/12
Cable-3in1 (30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2023/02/25	2024/02/24
Cable-0.5m (1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2023/03/07	2024/03/06
Cable-3m (1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2023/03/07	2024/03/06
Cable-8m (1G-26.5G)	WOKEN	WCBA-WCA203 SM	CCE1374	2023/03/07	2024/03/06
Cable-1m (1G-40G)	HUBER SUHNER	HUBER SUHNER / SF102	552450	2023/06/08	2024/06/07
Cable-3m (1G-40G)	HUBER SUHNER	HUBER SUHNER / SF102	552451	2023/06/08	2024/06/07
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
High Pass Filter	Warison	WFIL-H3000-18000F-03	WRJ5CFWC2J1	2023/07/03	2024/07/02
Notch Filter	Warison	WFIL-N5925-7125F-04	WRQ4BFWC4M1	2023/03/13	2024/03/12
Hipass Filter	Warison	WFIL-H7500-18000F	WRQ4BFWC2J1	2023/03/13	2024/03/12



Test Item	Radiated Emissions (2024/03/01)				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	369	2023/03/15	2024/03/14
Active Loop Antenna	Schwarzbeck	FMZB 1513	414	2024/01/16	2025/01/15
Horn Antenna	EMCO	3115	31601	2023/10/18	2024/10/17
Horn Antenna	EMCO	3116	31974	2023/10/16	2024/10/15
EMI Receiver	R&S	ESCI	101423	2023/07/05	2024/07/04
Spectrum Analyzer	R&S	FSV 40-N	102151	2023/08/15	2024/08/14
Preamplifier	EM Electronics corp.	EMC118A45V1SEE	980993	2023/10/16	2024/10/15
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2023/10/13	2024/10/12
Preamplifier	EM Electronics corp.	EM330	60659	2024/02/17	2025/02/16
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2023/07/31	2024/07/30
Cable-3in1 (30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2023/02/25	2024/02/24
Cable-0.5m (1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2023/03/07	2024/03/06
Cable-3m (1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2023/03/07	2024/03/06
Cable-8m (1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2023/03/07	2024/03/06
Cable-1m (1G-40G)	HUBER SUHNER	HUBER SUHNER / SF102	552450	2023/06/08	2024/06/07
Cable-3m (1G-40G)	HUBER SUHNER	HUBER SUHNER / SF102	552451	2023/06/08	2024/06/07
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
High Pass Filter	Warison	WFIL-H3000-18000F-03	WRJ5CFWC2J1	2023/07/03	2024/07/02
Notch Filter	Warison	WFIL-N5925-7125F-04	WRQ4BFWC4M1	2023/03/13	2024/03/12
Hipass Filter	Warison	WFIL-H7500-18000F	WRQ4BFWC2J1	2023/03/13	2024/03/12



Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2023/11/06	2024/11/05
Power Meter	Anritsu	ML2495A	1224005	2023/03/07	2024/03/06
Power Sensor	Anritsu	MA2411B	1207295	2023/03/07	2024/03/06
Attenuator	KEYSIGHT	8491B	MY39250703	2023/03/08	2024/03/07

Test Item	AC Power Line Conducted Emission				
Test Site	CON02-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	R&S	ESR 7	101906	2023/05/08	2024/05/07
TWO-LINE V-NETWORK	R&S	ENV216	102185	2023/08/29	2024/08/28
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2023/07/31	2024/07/30
E3	AUDIX	v8.2014-8-6	RK-000536	NA	NA



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: 7.00dBi, ANT B: 7.00dBi 5250MHz~5350MHz: ANT A: 7.00dBi, ANT B: 7.00dBi 5470MHz~5725MHz: ANT A: 7.00dBi, ANT B: 7.00dBi 5725MHz~5850MHz: ANT A: 7.00dBi, ANT B: 7.00dBi

5150-5250MHz:
For Power directional gain= $G_{ant}= 7.00 \text{ dBi}$ For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ = 10.01 dBi
5250-5350MHz:
For Power directional gain= $G_{ant}= 7.00 \text{ dBi}$ For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ = 10.01 dBi
5470-5725MHz:
For Power directional gain= $G_{ant}= 7.00 \text{ dBi}$ For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ = 10.01 dBi
5725-5850MHz:
For Power directional gain= $G_{ant}= 7.00 \text{ dBi}$ For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ = 10.01 (dBi)

*MIMO type: Cyclic Delay Diversity (CDD) mode.



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 (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

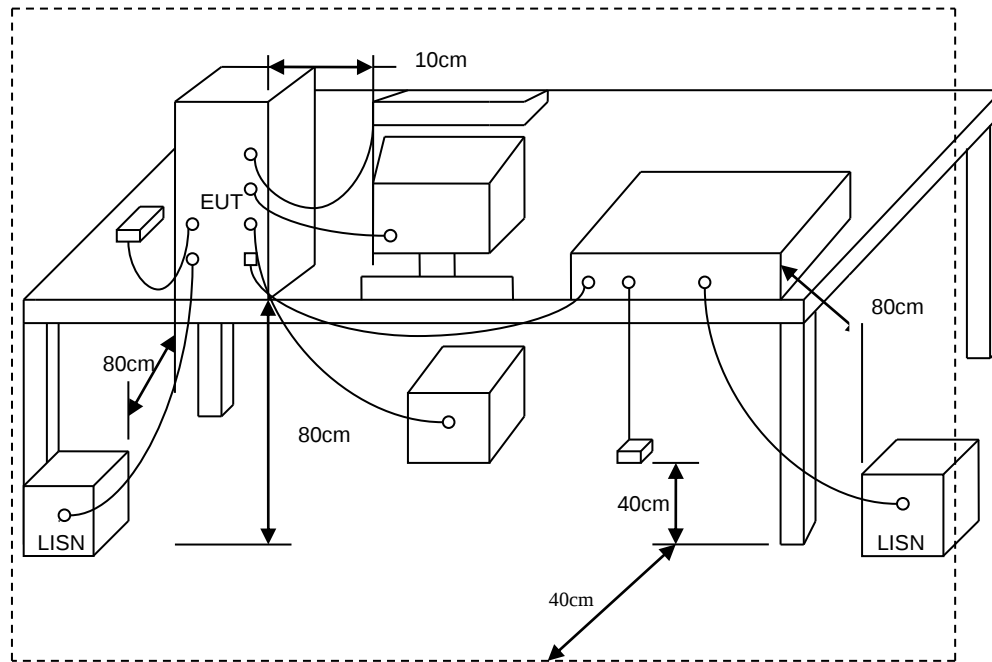
*Decreases with the logarithm of the frequency.

5.2. Test Procedures

- 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.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

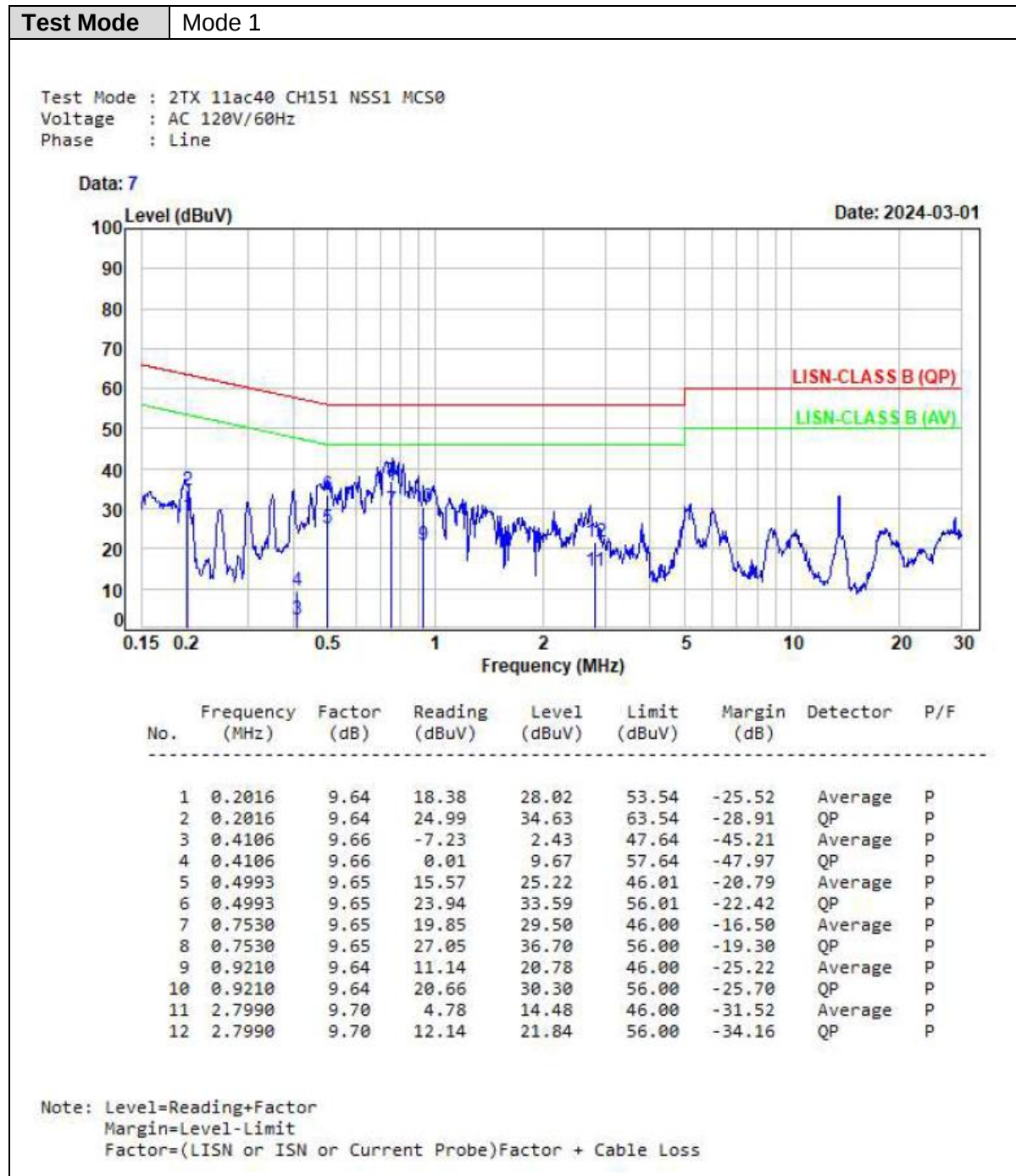


5.3. Typical Test Setup





5.4. Test Result and Data

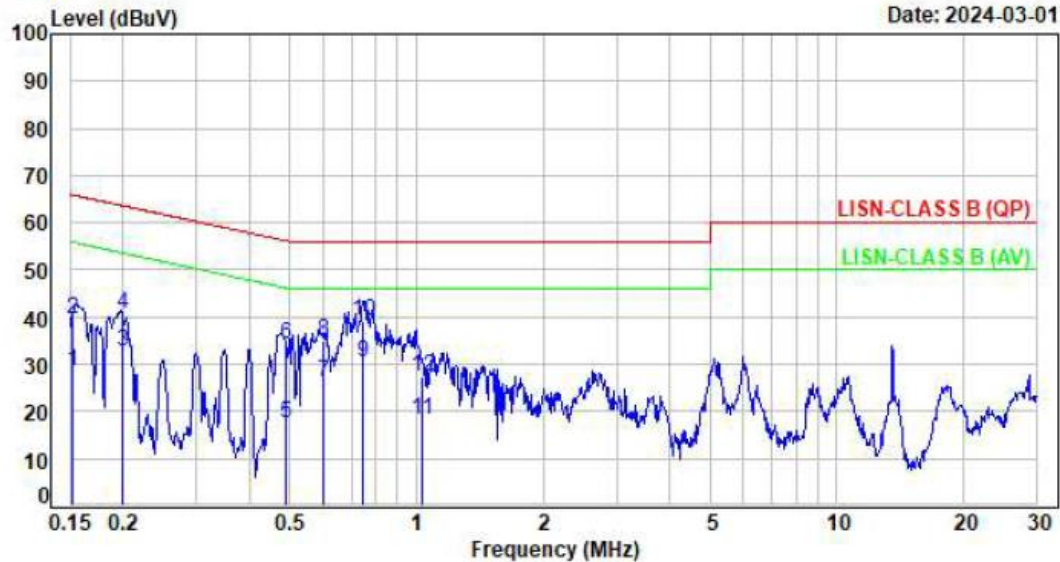


**Test Mode** Mode 1

Test Mode : 2TX 11ac40 CH151 NSS1 MCS0
Voltage : AC 120V/60Hz
Phase : Neutral

Data: 8

Date: 2024-03-01



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1524	9.56	18.79	28.35	55.87	-27.52	Average	P
2	0.1524	9.56	29.81	39.37	65.87	-26.50	QP	P
3	0.1993	9.59	23.21	32.80	53.64	-20.84	Average	P
4	0.1993	9.59	30.97	40.56	63.64	-23.08	QP	P
5	0.4894	9.57	8.00	17.57	46.18	-28.61	Average	P
6	0.4894	9.57	24.60	34.17	56.18	-22.01	QP	P
7	0.5990	9.58	16.68	26.26	46.00	-19.74	Average	P
8	0.5990	9.58	25.45	35.03	56.00	-20.97	QP	P
9	0.7453	9.59	20.72	30.31	46.00	-15.69	Average	P
10	0.7453	9.59	29.40	38.99	56.00	-17.01	QP	P
11	1.0284	9.60	8.54	18.14	46.00	-27.86	Average	P
12	1.0284	9.60	17.67	27.27	56.00	-28.73	QP	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



6. Test of Spurious Emission (Radiated)

6.1. Test Limit

Undesirable emission limits. Except as shown in paragraph (b)(7) 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.

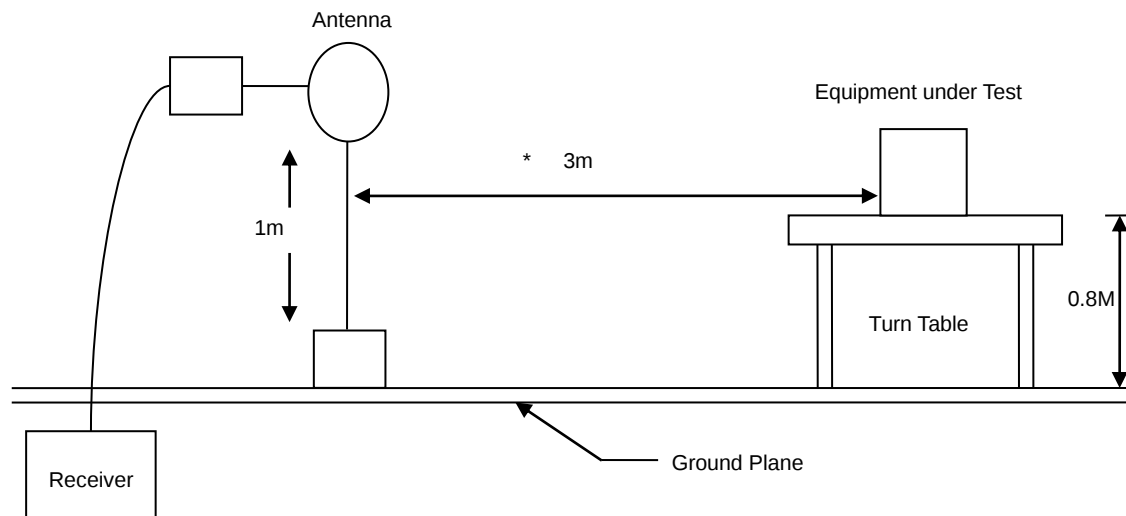
Note:

- 1.The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized.
- 2.Due to the test software function limit the operation band setting(200dBuV/m). There's no corresponding limitation in the actual test item.

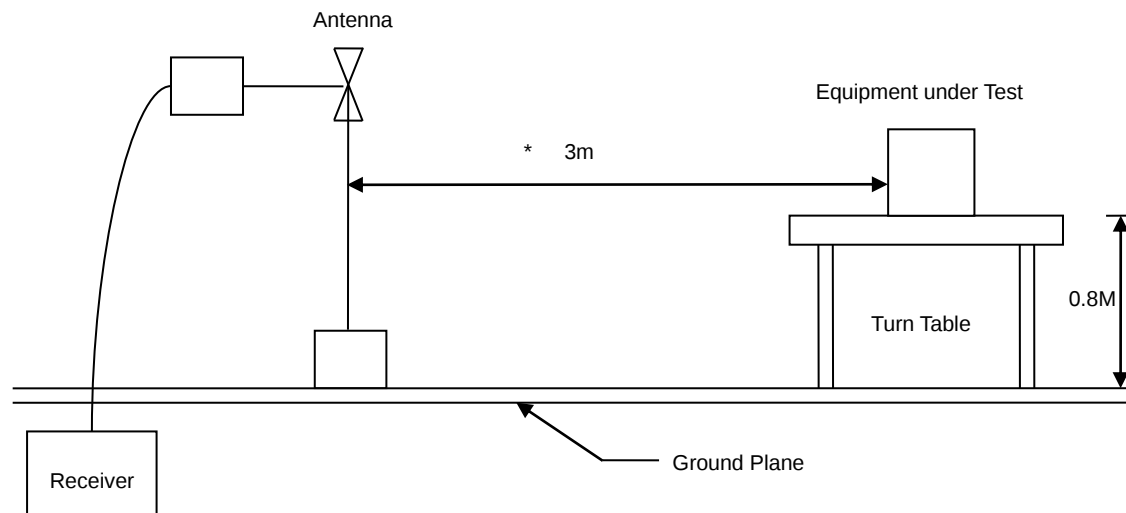


6.3. Typical Test Setup

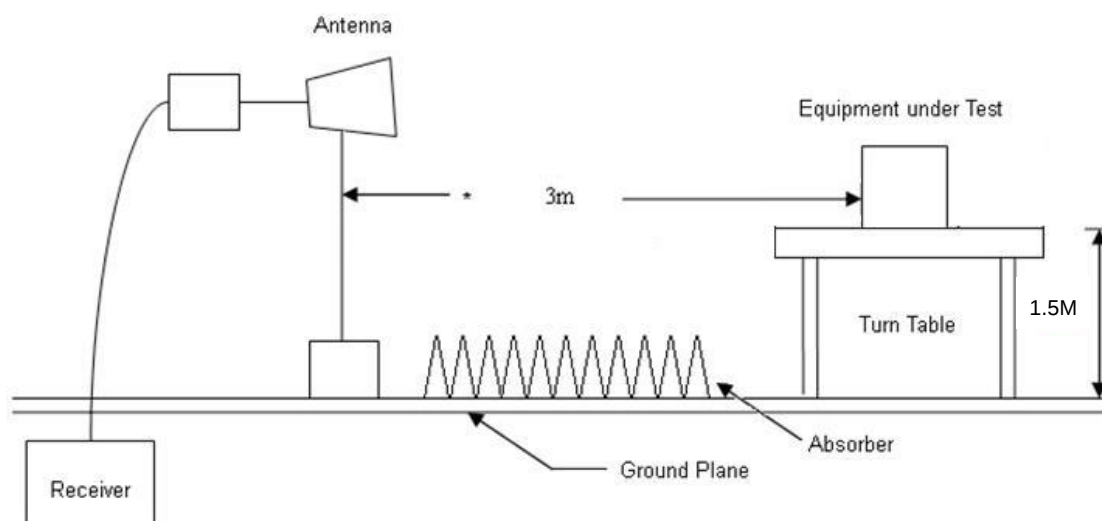
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup

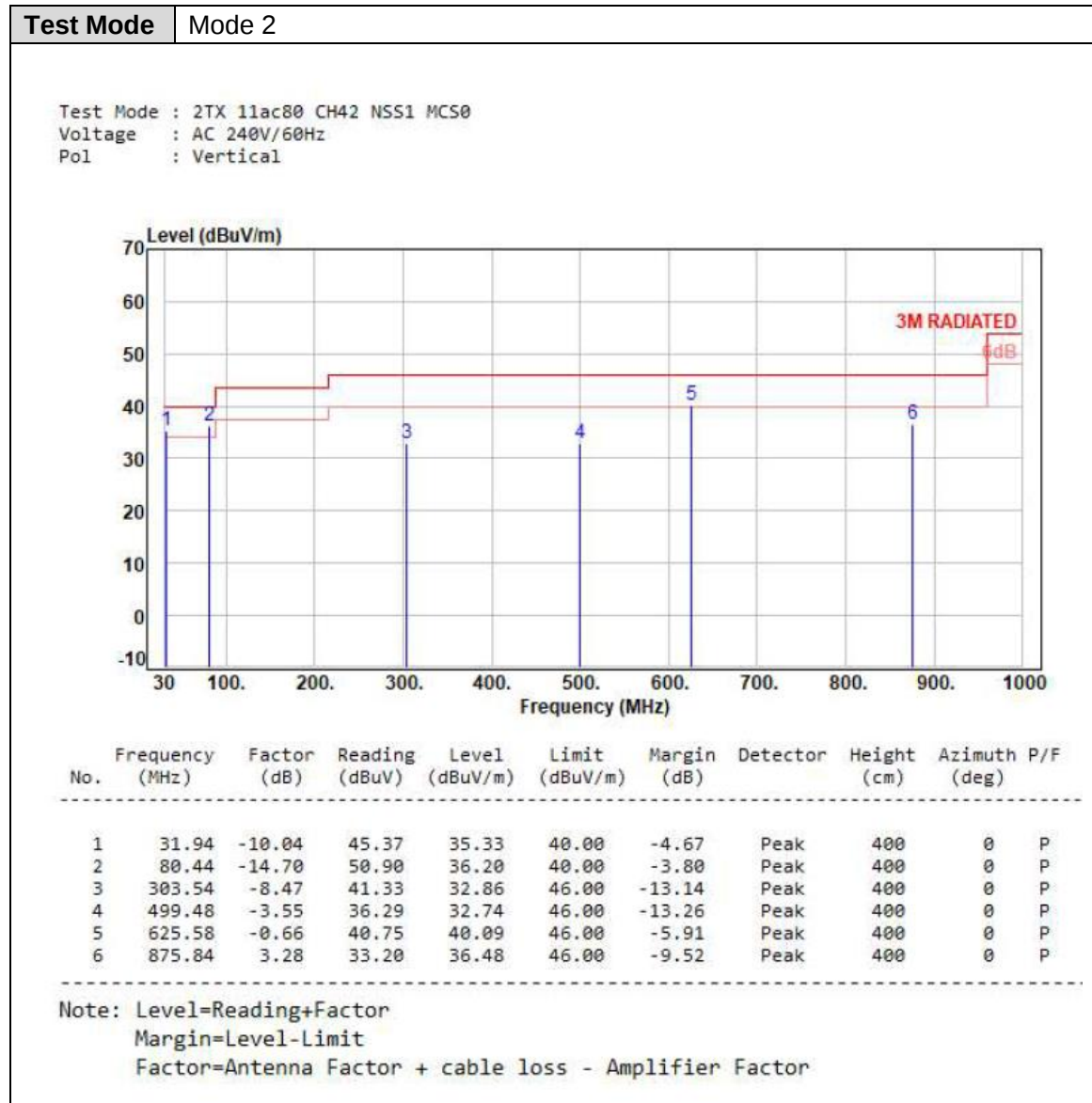




6.4. Test Result and Data (9kHz ~ 30MHz)

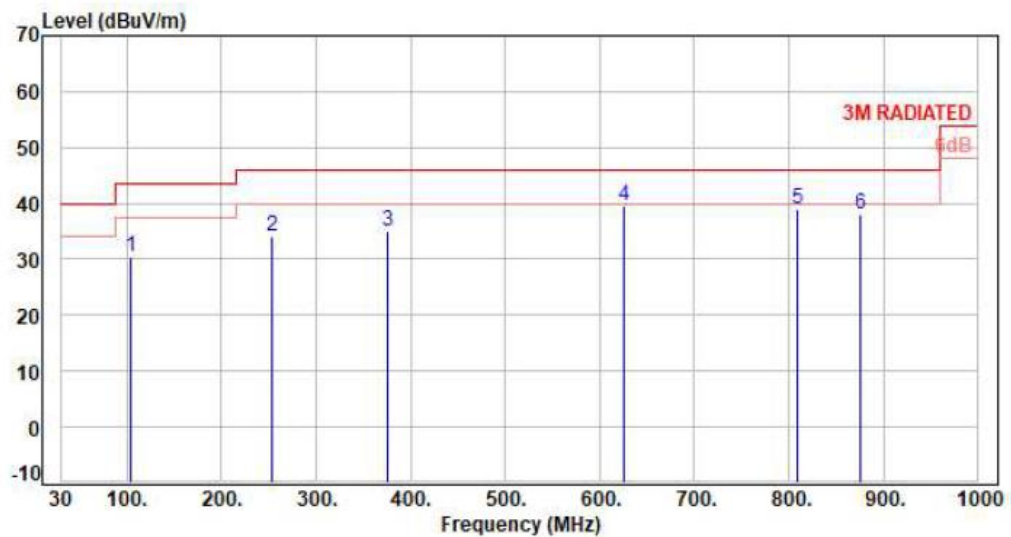
The 9kHz - 30MHz spurious emission is under limit 20dB more.

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



**Test Mode** Mode 2

Test Mode : 2TX 11ac80 CH42 NSS1 MCS0
Voltage : AC 240V/60Hz
Pol : Horizontal

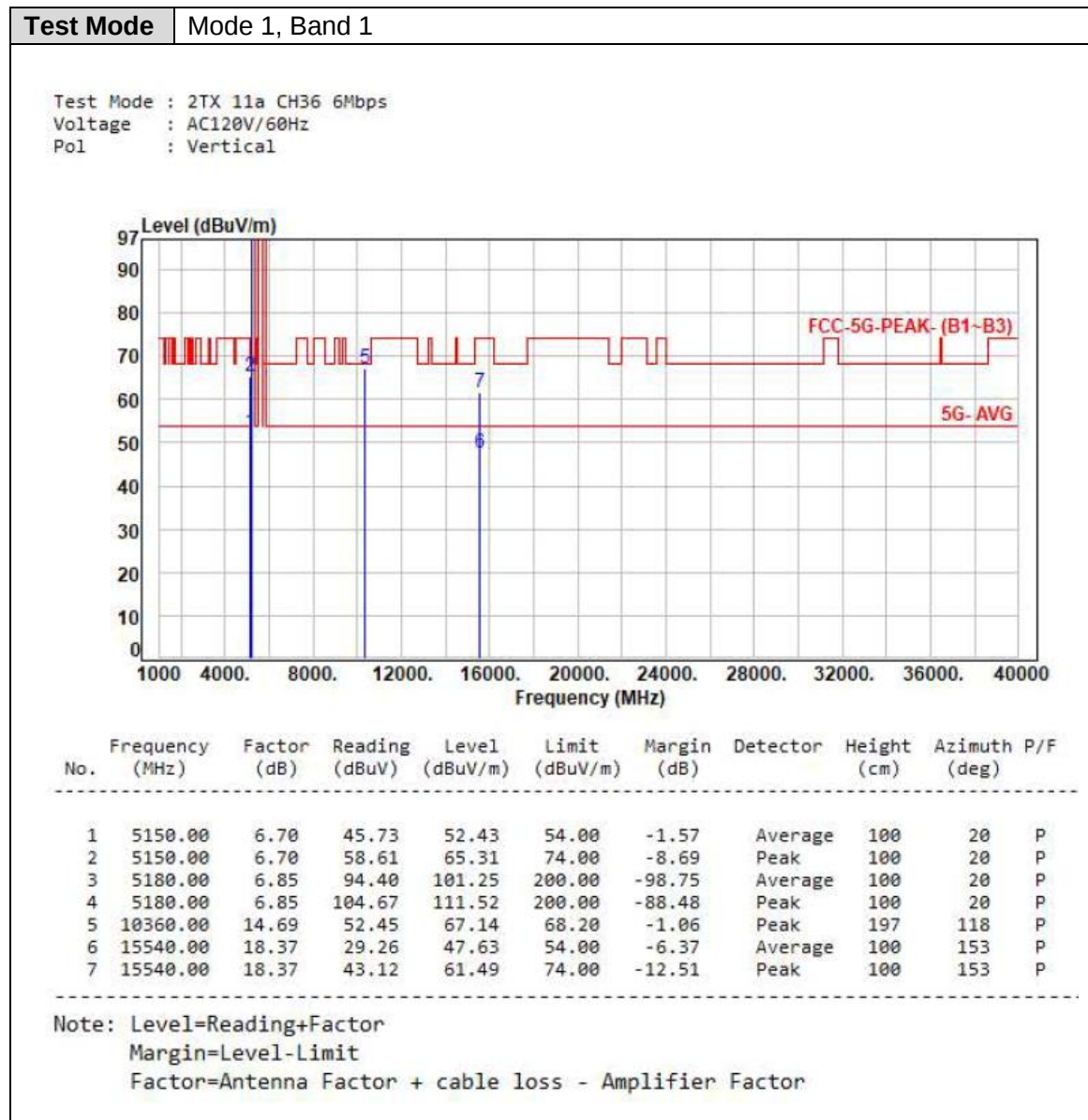


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	103.72	-13.70	44.27	30.57	43.50	-12.93	Peak	400	360	P
2	253.10	-10.04	44.20	34.16	46.00	-11.84	Peak	400	360	P
3	375.32	-6.32	41.49	35.17	46.00	-10.83	Peak	400	360	P
4	625.58	-0.66	40.33	39.67	46.00	-6.33	Peak	400	360	P
5	809.88	2.79	36.20	38.99	46.00	-7.01	Peak	400	360	P
6	875.84	3.28	34.79	38.07	46.00	-7.93	Peak	400	360	P

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

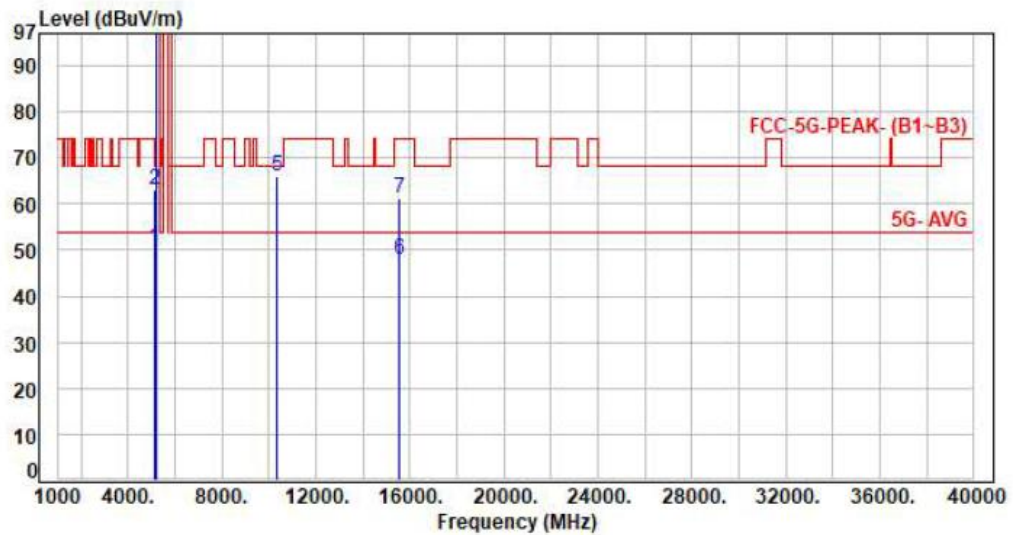


6.6. Test Result and Data (1GHz ~ 40GHz)



**Test Mode** Mode 1, Band 1

Test Mode : 2TX 11a CH36 6Mbps
Voltage : AC120V/60Hz
Pol : Horizontal

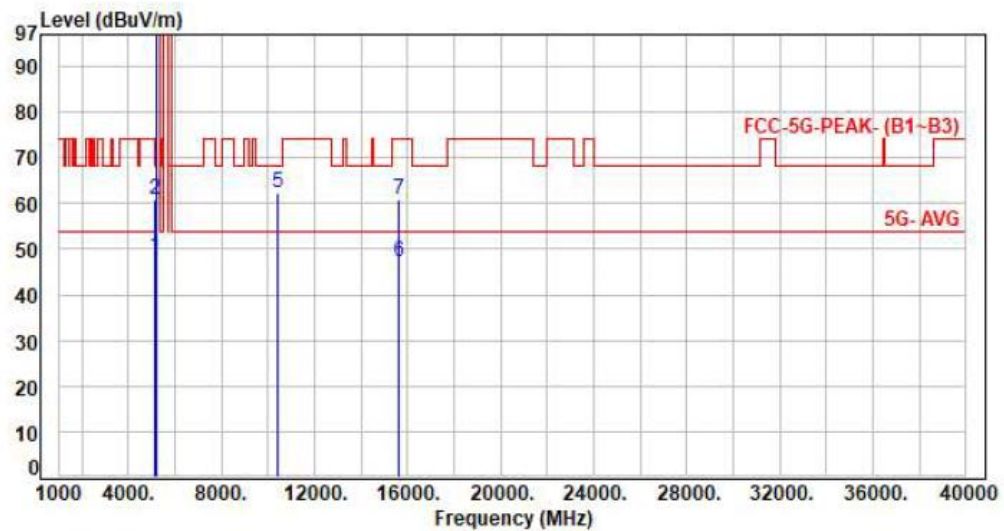


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	43.82	50.52	54.00	-3.48	Average	100	55	P
2	5150.00	6.70	56.50	63.20	74.00	-10.80	Peak	100	55	P
3	5180.00	6.85	92.47	99.32	200.00	-100.68	Average	100	55	P
4	5180.00	6.85	102.93	109.78	200.00	-90.22	Peak	100	55	P
5	10360.00	14.69	51.33	66.02	68.20	-2.18	Peak	204	121	P
6	15540.00	18.37	29.62	47.99	54.00	-6.01	Average	100	116	P
7	15540.00	18.37	42.81	61.18	74.00	-12.82	Peak	100	116	P

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

**Test Mode** Mode 1, Band 1

Test Mode : 2TX 11a CH40 6Mbps
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.65	48.35	54.00	-5.65	Average	194	352	P
2	5150.00	6.70	54.21	60.91	74.00	-13.09	Peak	194	352	P
3	5200.00	6.95	90.87	97.82	200.00	-102.18	Average	194	352	P
4	5200.00	6.95	100.89	107.84	200.00	-92.16	Peak	194	352	P
5	10400.00	14.61	47.57	62.18	68.20	-6.02	Peak	100	51	P
6	15600.00	18.32	28.86	47.18	54.00	-6.82	Average	100	263	P
7	15600.00	18.32	42.53	60.85	74.00	-13.15	Peak	100	263	P

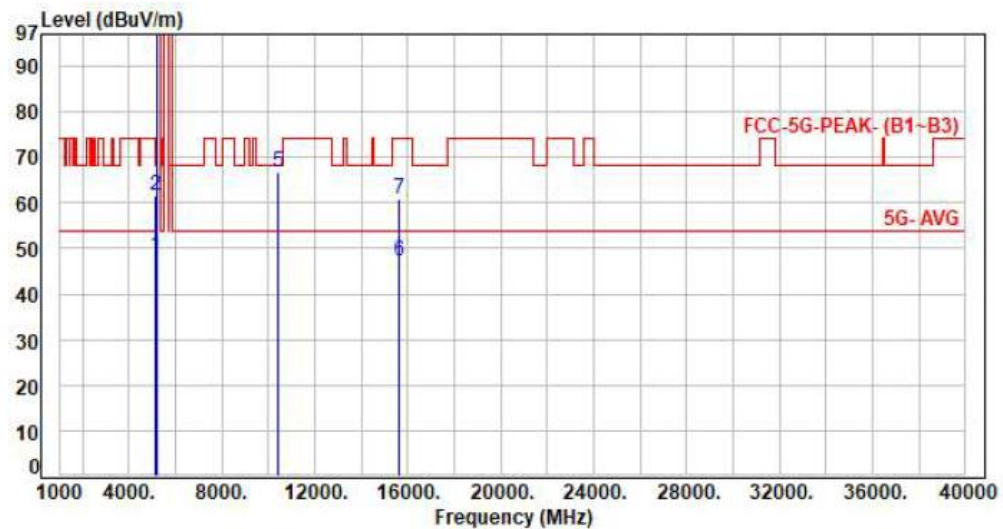
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 1

Test Mode : 2TX 11a CH40 6Mbps
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.61	48.31	54.00	-5.69	Average	208	53	P
2	5150.00	6.70	54.91	61.61	74.00	-12.39	Peak	208	53	P
3	5200.00	6.95	88.60	95.55	200.00	-104.45	Average	208	53	P
4	5200.00	6.95	98.82	105.77	200.00	-94.23	Peak	208	53	P
5	10400.00	14.61	52.13	66.74	68.20	-1.46	Peak	193	123	P
6	15600.00	18.32	28.95	47.27	54.00	-6.73	Average	100	126	P
7	15600.00	18.32	42.58	60.90	74.00	-13.10	Peak	100	126	P

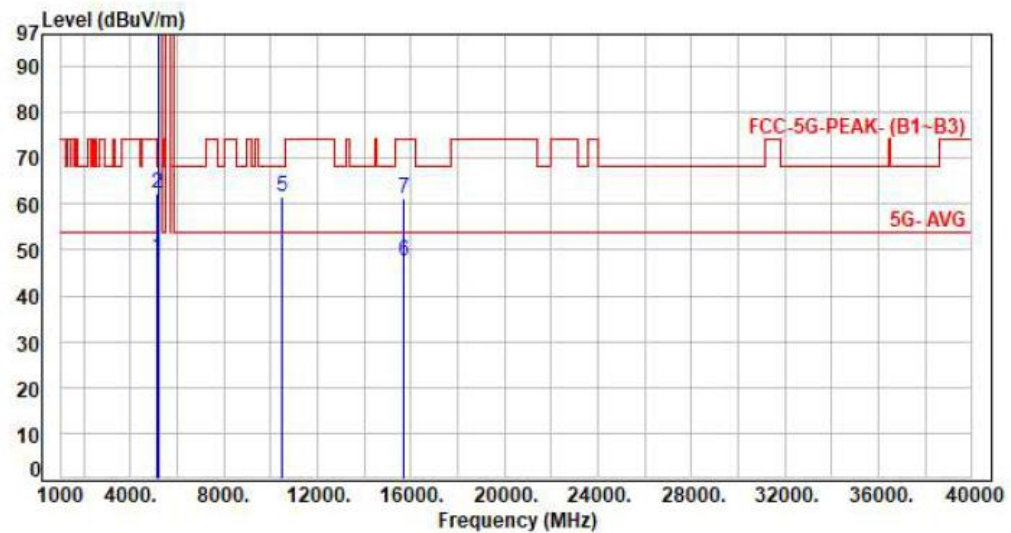
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** | Mode 1, Band 1

Test Mode : 2TX 11a CH48 6Mbps
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.57	48.27	54.00	-5.73	Average	100	18	P
2	5150.00	6.70	55.55	62.25	74.00	-11.75	Peak	100	18	P
3	5240.00	7.00	92.30	99.30	200.00	-100.70	Average	100	18	P
4	5240.00	7.00	102.17	109.17	200.00	-90.83	Peak	100	18	P
5	10480.00	14.74	46.80	61.54	68.20	-6.66	Peak	100	51	P
6	15720.00	17.93	29.58	47.51	54.00	-6.49	Average	100	163	P
7	15720.00	17.93	43.45	61.38	74.00	-12.62	Peak	100	163	P

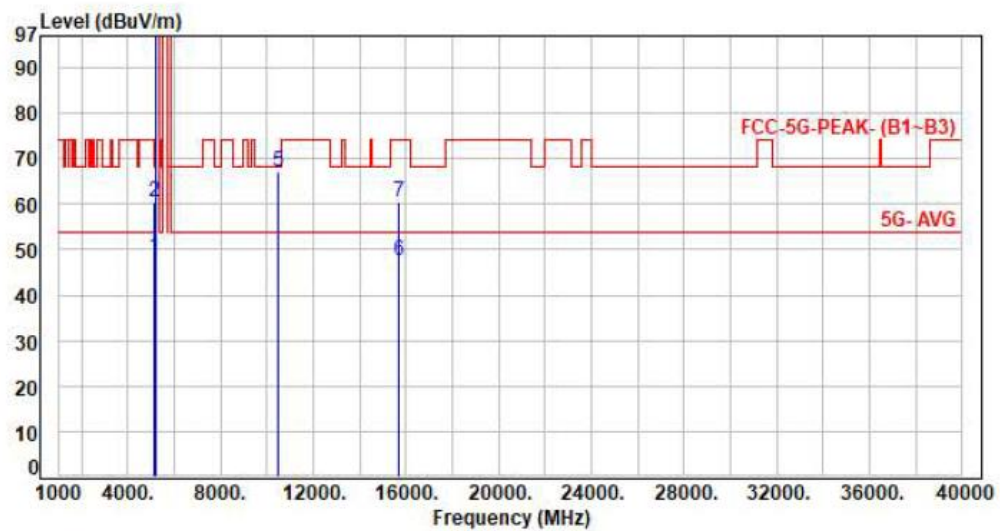
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 1

Test Mode : 2TX 11a CH48 6Mbps
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.51	48.21	54.00	-5.79	Average	107	52	P
2	5150.00	6.70	53.61	60.31	74.00	-13.69	Peak	107	52	P
3	5240.00	7.00	88.88	95.88	200.00	-104.12	Average	107	52	P
4	5240.00	7.00	99.06	106.06	200.00	-93.94	Peak	107	52	P
5	10480.00	14.74	52.25	66.99	68.20	-1.21	Peak	193	122	P
6	15720.00	17.93	29.56	47.49	54.00	-6.51	Average	100	126	P
7	15720.00	17.93	42.46	60.39	74.00	-13.61	Peak	100	126	P

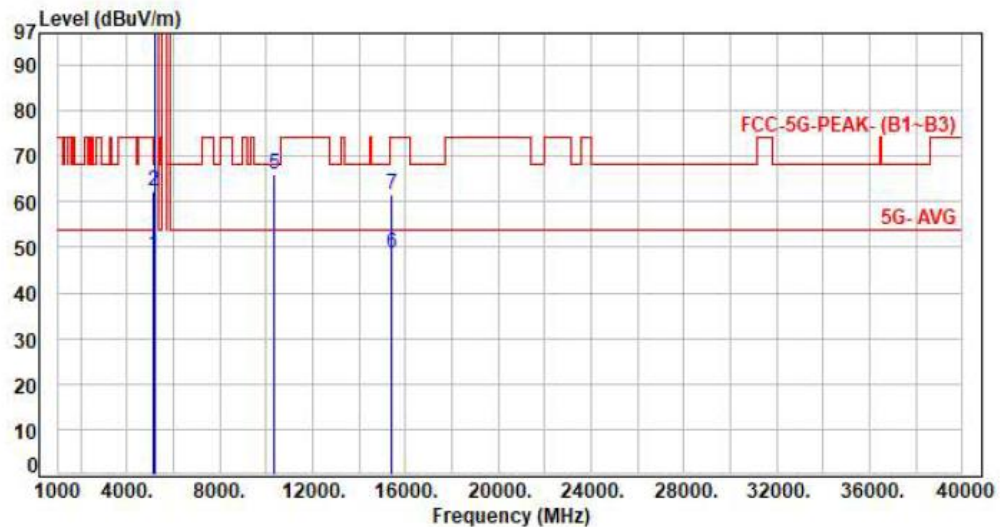
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 1

Test Mode : 2TX 11ac20 CH36 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.54	48.24	54.00	-5.76	Average	177	360	P
2	5150.00	6.70	55.54	62.24	74.00	-11.76	Peak	177	360	P
3	5180.00	6.85	91.70	98.55	200.00	-101.45	Average	177	360	P
4	5180.00	6.85	101.74	108.59	200.00	-91.41	Peak	177	360	P
5	10360.00	14.69	51.32	66.01	68.20	-2.19	Peak	186	98	P
6	15400.00	19.24	29.44	48.68	54.00	-5.32	Average	100	256	P
7	15400.00	19.24	42.40	61.64	74.00	-12.36	Peak	100	256	P

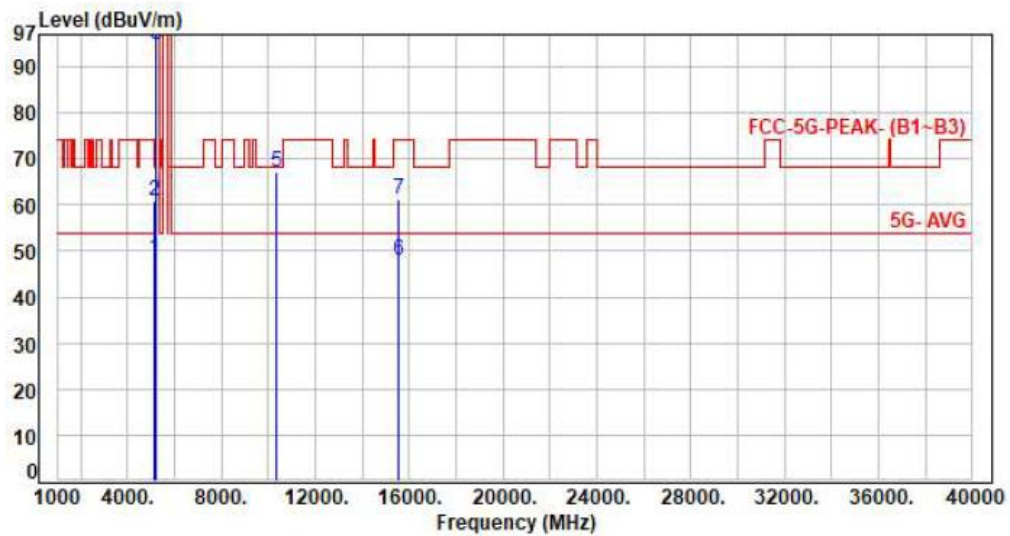
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 1

Test Mode : 2TX 11ac20 CH36 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.63	48.33	54.00	-5.67	Average	100	47	P
2	5150.00	6.70	54.24	60.94	74.00	-13.06	Peak	100	47	P
3	5180.00	6.85	87.92	94.77	200.00	-105.23	Average	100	47	P
4	5180.00	6.85	97.53	104.38	200.00	-95.62	Peak	100	47	P
5	10360.00	14.69	52.41	67.10	68.20	-1.10	Peak	207	124	P
6	15540.00	18.37	29.50	47.87	54.00	-6.13	Average	100	189	P
7	15540.00	18.37	42.79	61.16	74.00	-12.84	Peak	100	189	P

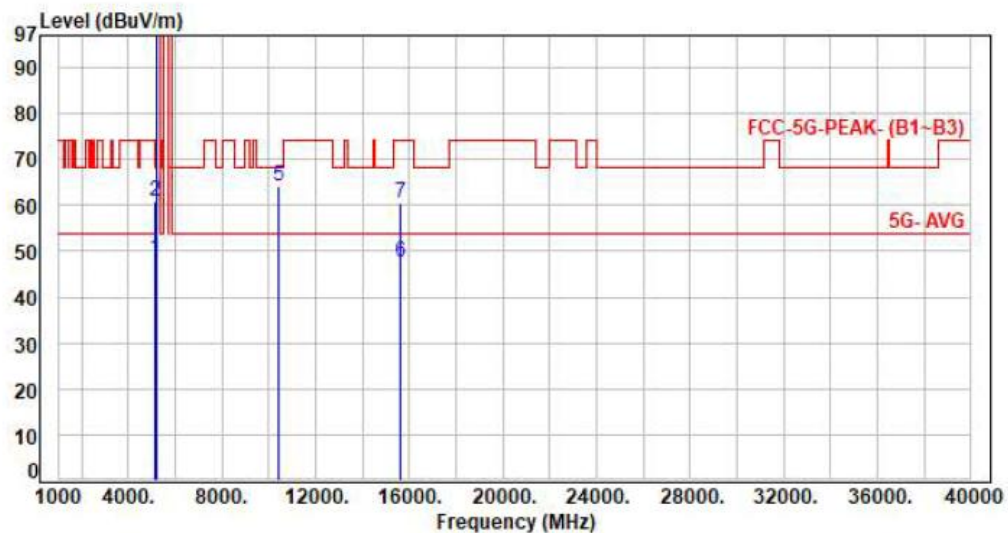
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 1

Test Mode : 2TX 11ac20 CH40 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.52	48.22	54.00	-5.78	Average	247	33	P
2	5150.00	6.70	54.02	60.72	74.00	-13.28	Peak	247	33	P
3	5200.00	6.95	93.29	100.24	200.00	-99.76	Average	247	33	P
4	5200.00	6.95	103.95	110.90	200.00	-89.10	Peak	247	33	P
5	10400.00	14.61	49.65	64.26	68.20	-3.94	Peak	100	52	P
6	15600.00	18.32	29.36	47.68	54.00	-6.32	Average	100	225	P
7	15600.00	18.32	42.23	60.55	74.00	-13.45	Peak	100	225	P

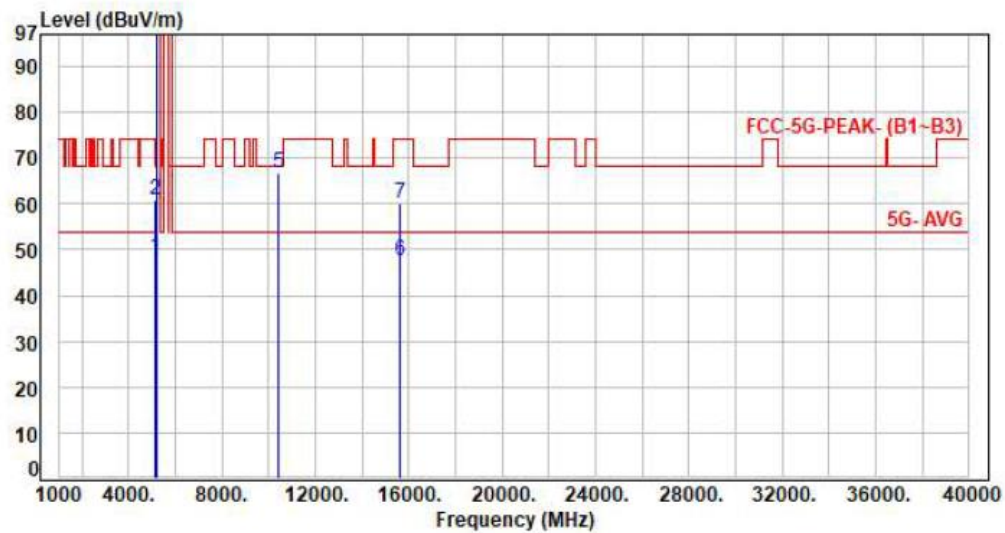
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 1

Test Mode : 2TX 11ac20 CH40 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal

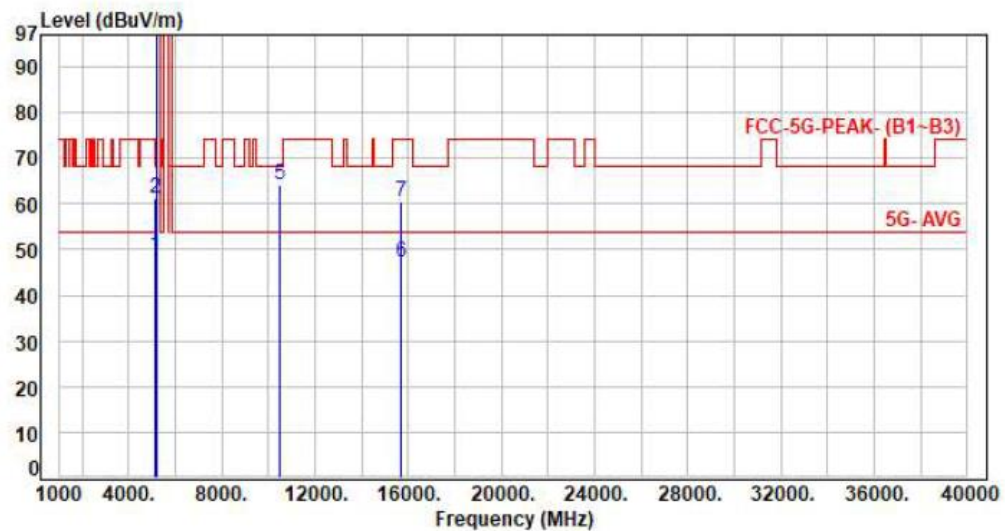


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.55	48.25	54.00	-5.75	Average	100	56	P
2	5150.00	6.70	54.30	61.00	74.00	-13.00	Peak	100	56	P
3	5200.00	6.95	88.55	95.50	200.00	-104.50	Average	100	56	P
4	5200.00	6.95	98.53	105.48	200.00	-94.52	Peak	100	56	P
5	10400.00	14.61	52.10	66.71	68.20	-1.49	Peak	202	123	P
6	15600.00	18.32	29.07	47.39	54.00	-6.61	Average	100	352	P
7	15600.00	18.32	41.65	59.97	74.00	-14.03	Peak	100	352	P

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

**Test Mode** Mode 2, Band 1

Test Mode : 2TX 11ac20 CH48 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.96	48.66	54.00	-5.34	Average	258	358	P
2	5150.00	6.70	54.70	61.40	74.00	-12.60	Peak	258	358	P
3	5240.00	7.00	93.37	100.37	200.00	-99.63	Average	258	358	P
4	5240.00	7.00	102.08	109.08	200.00	-90.92	Peak	258	358	P
5	10480.00	14.74	49.29	64.03	68.20	-4.17	Peak	104	51	P
6	15720.00	17.93	29.44	47.37	54.00	-6.63	Average	100	256	P
7	15720.00	17.93	42.50	60.43	74.00	-13.57	Peak	100	256	P

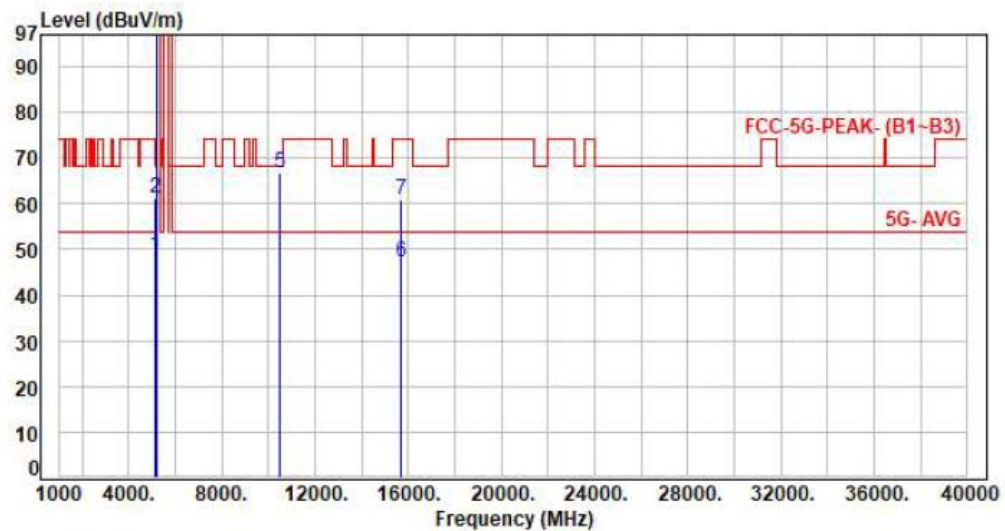
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 1

Test Mode : 2TX 11ac20 CH48 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.85	48.55	54.00	-5.45	Average	116	51	P
2	5150.00	6.70	54.52	61.22	74.00	-12.78	Peak	116	51	P
3	5240.00	7.00	90.17	97.17	200.00	-102.83	Average	116	51	P
4	5240.00	7.00	100.54	107.54	200.00	-92.46	Peak	116	51	P
5	10480.00	14.74	51.96	66.70	68.20	-1.50	Peak	190	123	P
6	15720.00	17.93	29.42	47.35	54.00	-6.65	Average	100	153	P
7	15720.00	17.93	42.87	60.80	74.00	-13.20	Peak	100	153	P

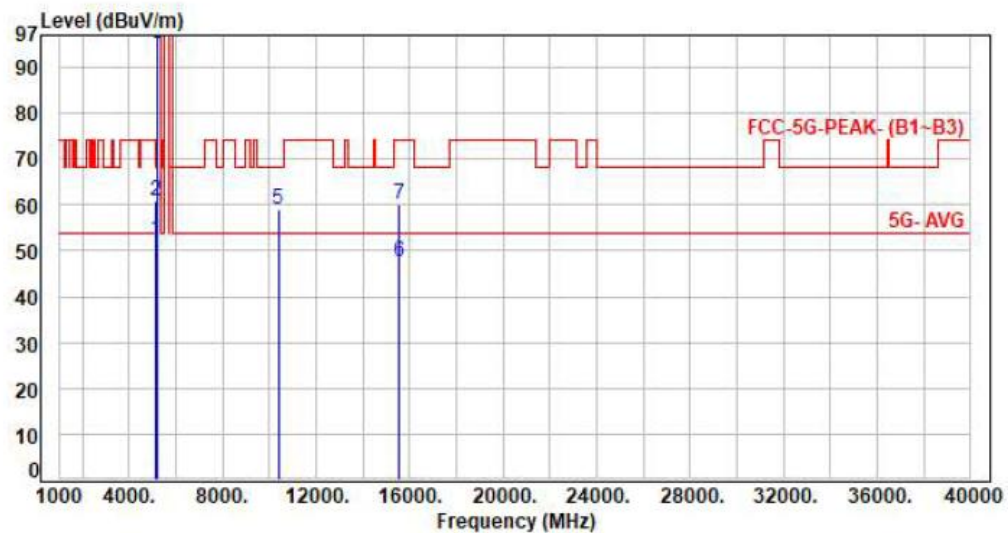
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 1

Test Mode : 2TX 11ac40 CH38 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.78	52.48	54.00	-1.52	Average	287	29	P
2	5150.00	6.70	54.20	60.90	74.00	-13.10	Peak	287	29	P
3	5190.00	6.90	88.14	95.04	200.00	-104.96	Average	287	29	P
4	5190.00	6.90	98.05	104.95	200.00	-95.05	Peak	287	29	P
5	10380.00	14.66	44.47	59.13	68.20	-9.07	Peak	144	48	P
6	15570.00	18.33	29.42	47.75	54.00	-6.25	Average	100	115	P
7	15570.00	18.33	41.94	60.27	74.00	-13.73	Peak	100	115	P

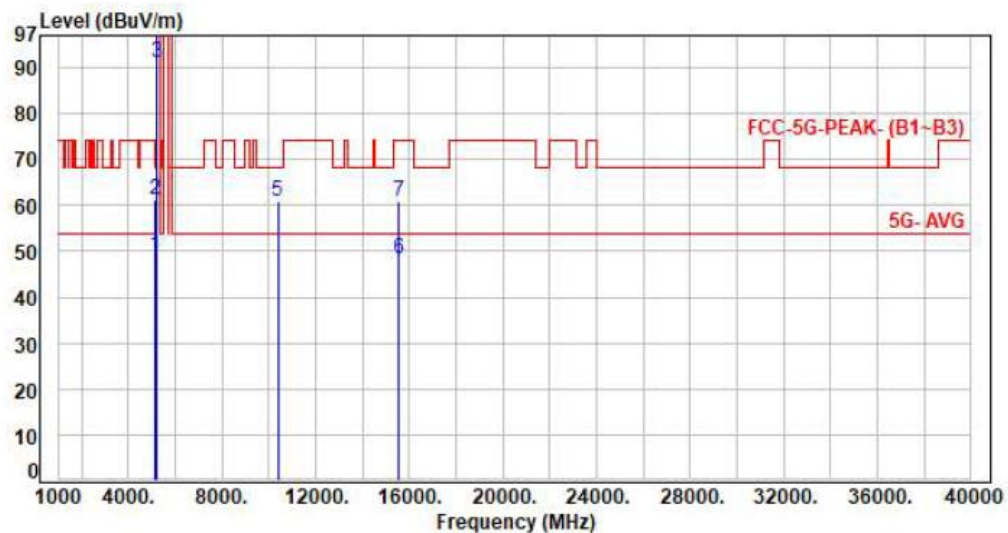
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 1

Test Mode : 2TX 11ac40 CH38 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.33	49.03	54.00	-4.97	Average	169	53	P
2	5150.00	6.70	54.48	61.18	74.00	-12.82	Peak	169	53	P
3	5190.00	6.90	84.28	91.18	200.00	-108.82	Average	169	53	P
4	5190.00	6.90	93.74	100.64	200.00	-99.36	Peak	169	53	P
5	10380.00	14.66	46.07	60.73	68.20	-7.47	Peak	197	124	P
6	15570.00	18.33	30.09	48.42	54.00	-5.58	Average	100	154	P
7	15570.00	18.33	42.34	60.67	74.00	-13.33	Peak	100	154	P

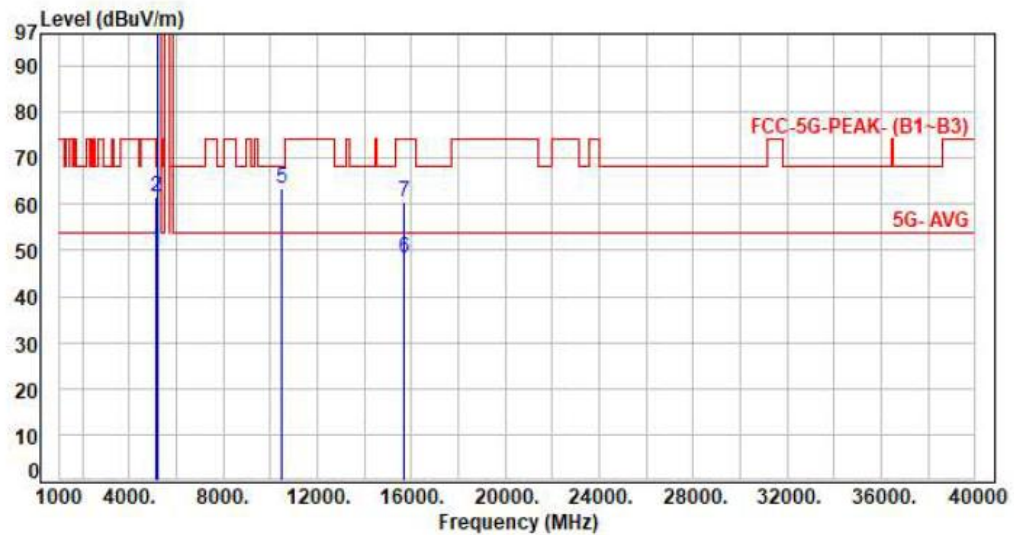
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 1

Test Mode : 2TX 11ac40 CH46 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	43.61	50.31	54.00	-3.69	Average	241	354	P
2	5150.00	6.70	55.01	61.71	74.00	-12.29	Peak	241	354	P
3	5230.00	6.99	93.21	100.20	200.00	-99.80	Average	241	354	P
4	5230.00	6.99	102.51	109.50	200.00	-90.50	Peak	241	354	P
5	10460.00	14.63	48.98	63.61	68.20	-4.59	Peak	100	51	P
6	15690.00	18.12	30.34	48.46	54.00	-5.54	Average	100	225	P
7	15690.00	18.12	42.48	60.60	74.00	-13.40	Peak	100	225	P

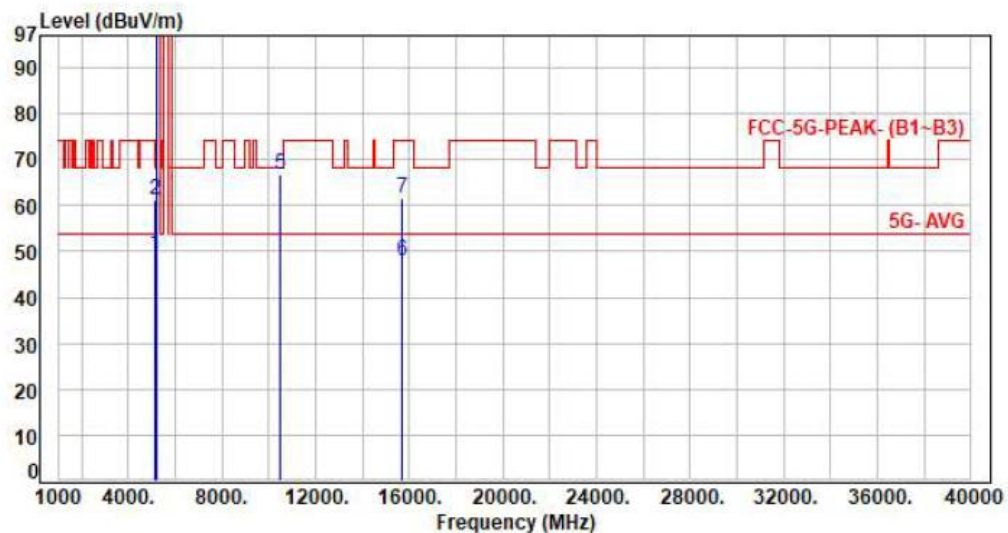
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 1

Test Mode : 2TX 11ac40 CH46 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.75	49.45	54.00	-4.55	Average	100	346	P
2	5150.00	6.70	54.54	61.24	74.00	-12.76	Peak	100	346	P
3	5230.00	6.99	89.35	96.34	200.00	-103.66	Average	100	346	P
4	5230.00	6.99	99.38	106.37	200.00	-93.63	Peak	100	346	P
5	10460.00	14.63	52.10	66.73	68.20	-1.47	Peak	203	122	P
6	15690.00	18.12	29.68	47.80	54.00	-6.20	Average	100	152	P
7	15690.00	18.12	43.46	61.58	74.00	-12.42	Peak	100	152	P

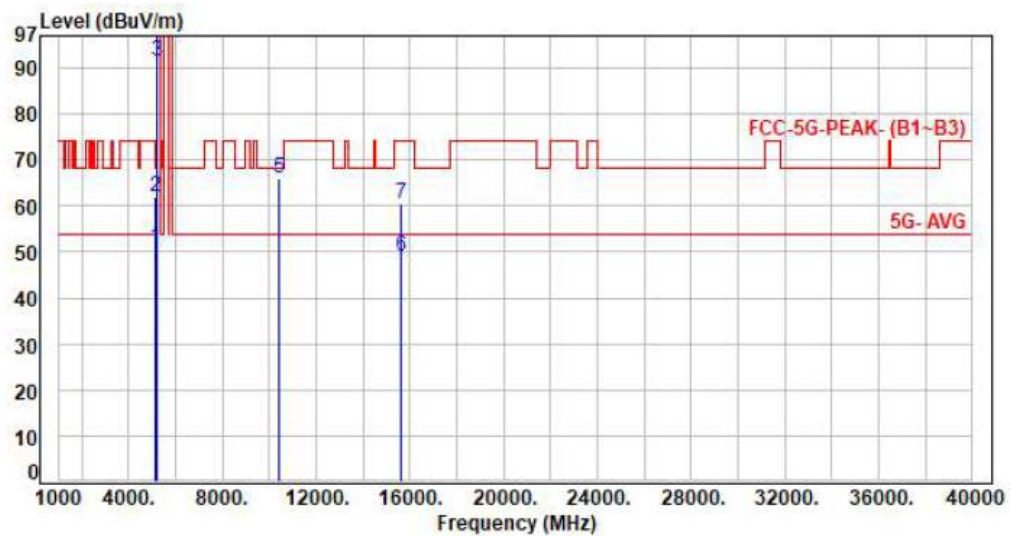
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 4, Band 1

Test Mode : 2TX 11ac80 CH42 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.33	51.03	54.00	-2.97	Average	252	25	P
2	5150.00	6.70	55.44	62.14	74.00	-11.86	Peak	252	25	P
3	5210.00	6.97	84.42	91.39	200.00	-108.61	Average	252	25	P
4	5210.00	6.97	93.84	100.81	200.00	-99.19	Peak	252	25	P
5	10420.00	14.60	51.38	65.98	68.20	-2.22	Peak	187	47	P
6	15630.00	18.25	30.64	48.89	54.00	-5.11	Average	100	124	P
7	15630.00	18.25	42.21	60.46	74.00	-13.54	Peak	100	124	P

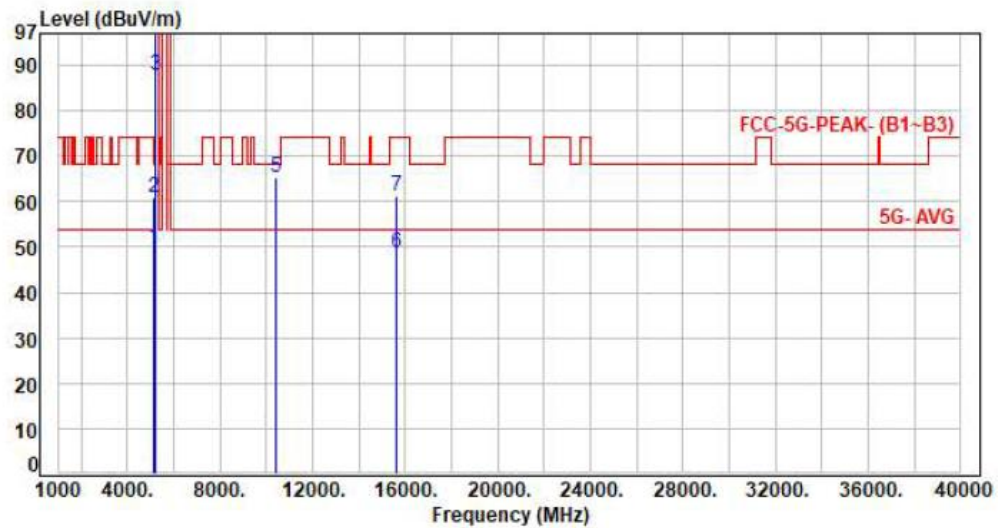
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 4, Band 1

Test Mode : 2TX 11ac80 CH42 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal

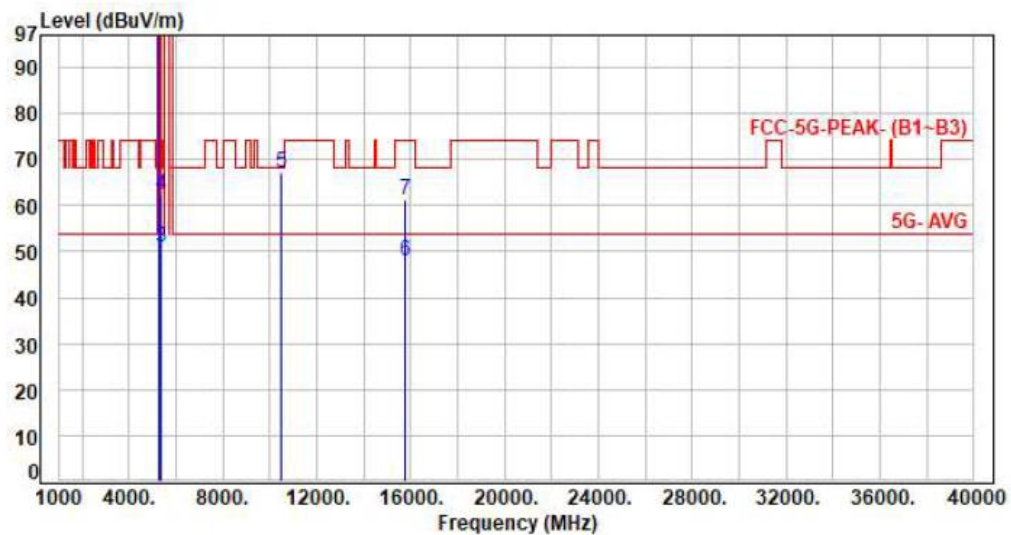


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	43.20	49.90	54.00	-4.10	Average	100	54	P
2	5150.00	6.70	54.34	61.04	74.00	-12.96	Peak	100	54	P
3	5210.00	6.97	80.94	87.91	200.00	-112.09	Average	100	54	P
4	5210.00	6.97	89.50	96.47	200.00	-103.53	Peak	100	54	P
5	10420.00	14.60	50.57	65.17	68.20	-3.03	Peak	192	124	P
6	15630.00	18.25	30.45	48.70	54.00	-5.30	Average	100	114	P
7	15630.00	18.25	42.82	61.07	74.00	-12.93	Peak	100	114	P

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

**Test Mode** Mode 1, Band 2

Test Mode : 2TX 11a CH52 6Mbps
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	93.42	100.46	200.00	-99.54	Average	290	30	P
2	5260.00	7.04	103.39	110.43	200.00	-89.57	Peak	290	30	P
3	5350.00	7.22	43.59	50.81	54.00	-3.19	Average	290	30	P
4	5350.00	7.22	55.09	62.31	74.00	-11.69	Peak	290	30	P
5	10520.00	14.87	52.09	66.96	68.20	-1.24	Peak	100	50	P
6	15780.00	17.48	30.31	47.79	54.00	-6.21	Average	100	115	P
7	15780.00	17.48	43.75	61.23	74.00	-12.77	Peak	100	115	P

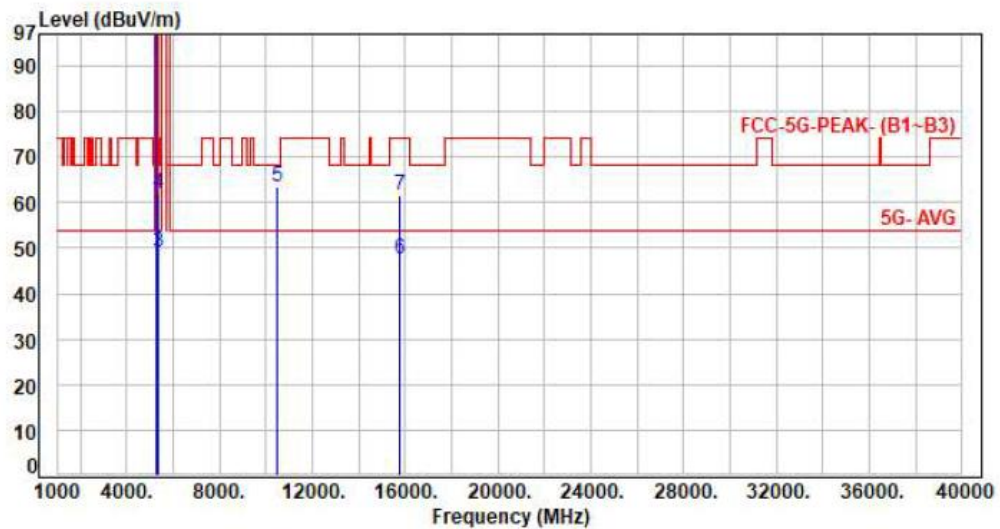
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 2

Test Mode : 2TX 11a CH52 6Mbps
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	89.98	97.02	200.00	-102.98	Average	100	344	P
2	5260.00	7.04	100.10	107.14	200.00	-92.86	Peak	100	344	P
3	5350.00	7.22	41.75	48.97	54.00	-5.03	Average	100	344	P
4	5350.00	7.22	54.78	62.00	74.00	-12.00	Peak	100	344	P
5	10520.00	14.87	48.75	63.62	68.20	-4.58	Peak	100	103	P
6	15780.00	17.48	30.11	47.59	54.00	-6.41	Average	100	152	P
7	15780.00	17.48	44.00	61.48	74.00	-12.52	Peak	100	152	P

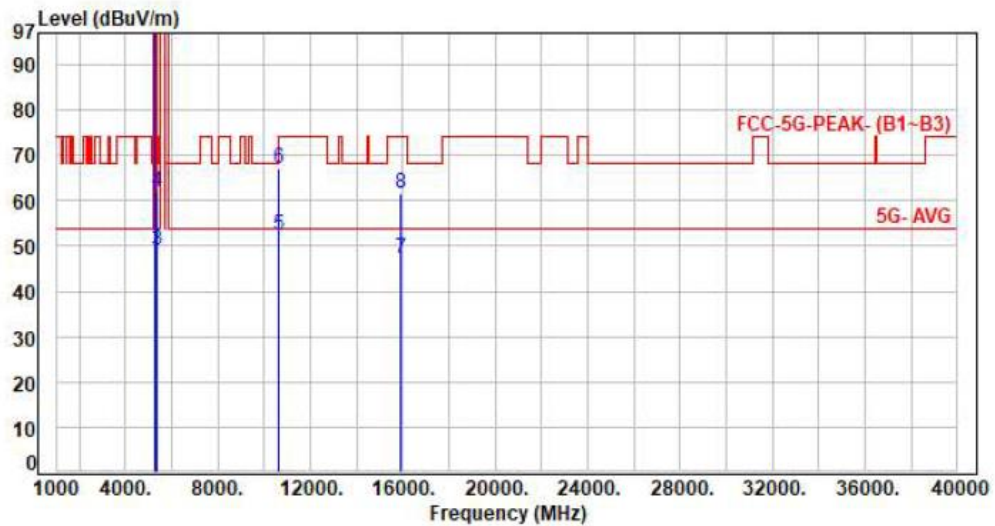
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 2

Test Mode : 2TX 11a CH60 6Mbps
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	93.09	100.26	200.00	-99.74	Average	106	18	P
2	5300.00	7.17	103.22	110.39	200.00	-89.61	Peak	106	18	P
3	5350.00	7.22	41.77	48.99	54.00	-5.01	Average	106	18	P
4	5350.00	7.22	54.77	61.99	74.00	-12.01	Peak	106	18	P
5	10600.00	14.98	37.57	52.55	54.00	-1.45	Average	116	48	P
6	10600.00	14.98	52.17	67.15	74.00	-6.85	Peak	116	48	P
7	15900.00	17.53	29.76	47.29	54.00	-6.71	Average	100	128	P
8	15900.00	17.53	43.95	61.48	74.00	-12.52	Peak	100	128	P

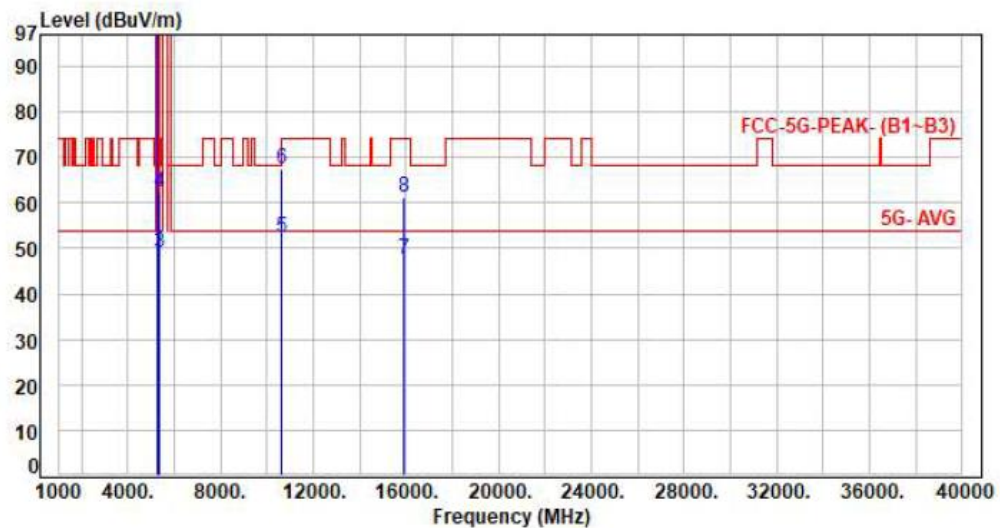
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 2

Test Mode : 2TX 11a CH60 6Mbps
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	90.56	97.73	200.00	-102.27	Average	100	346	P
2	5300.00	7.17	100.53	107.70	200.00	-92.30	Peak	100	346	P
3	5350.00	7.22	41.84	49.06	54.00	-4.94	Average	100	346	P
4	5350.00	7.22	55.19	62.41	74.00	-11.59	Peak	100	346	P
5	10600.00	14.98	37.50	52.48	54.00	-1.52	Average	200	120	P
6	10600.00	14.98	52.50	67.48	74.00	-6.52	Peak	200	120	P
7	15900.00	17.53	29.90	47.43	54.00	-6.57	Average	100	152	P
8	15900.00	17.53	43.78	61.31	74.00	-12.69	Peak	100	152	P

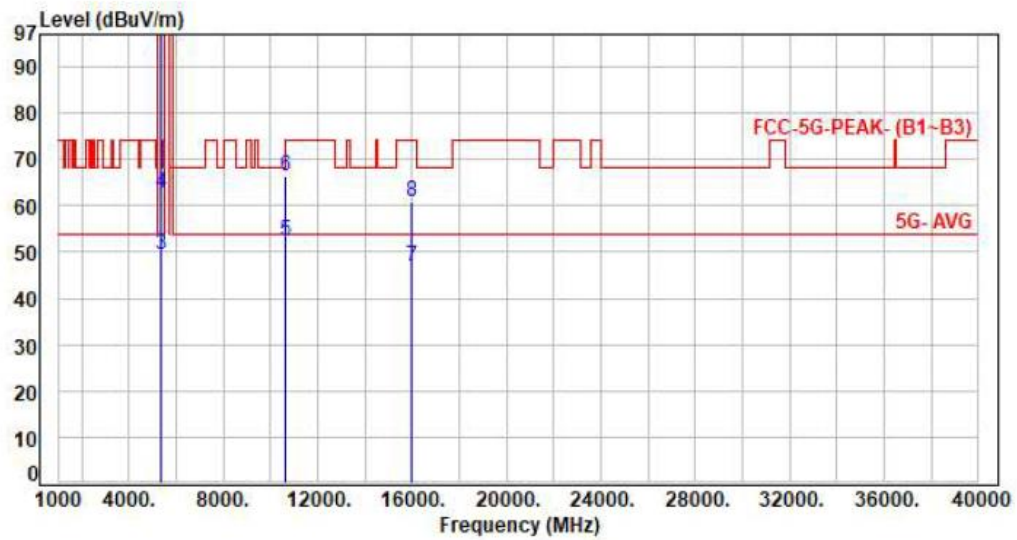
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** | Mode 1, Band 2

Test Mode : 2TX 11a CH64 6Mbps
Voltage : AC120V/60Hz
Pol : Vertical

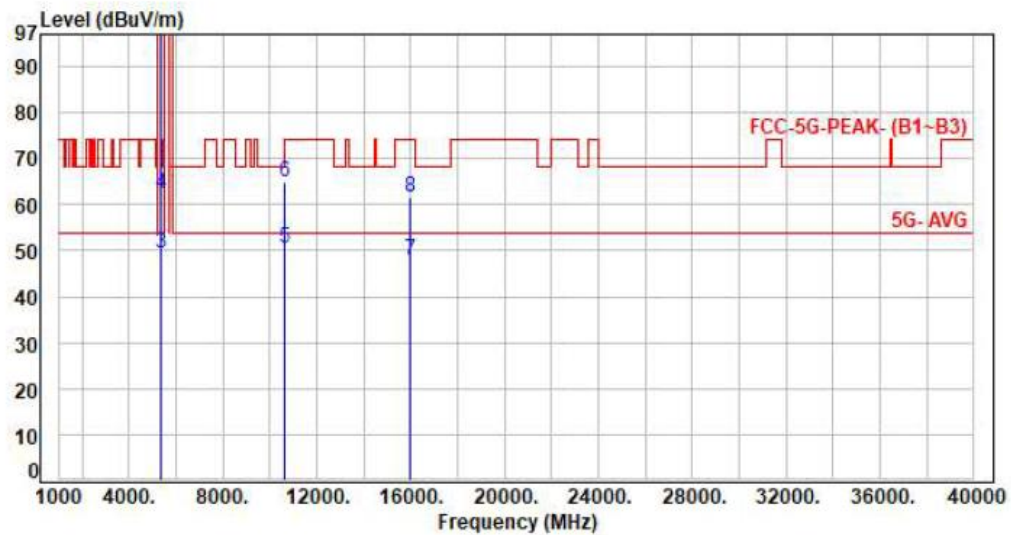


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	92.54	99.73	200.00	-100.27	Average	100	23	P
2	5320.00	7.19	103.60	110.79	200.00	-89.21	Peak	100	23	P
3	5350.00	7.22	42.35	49.57	54.00	-4.43	Average	100	23	P
4	5350.00	7.22	55.51	62.73	74.00	-11.27	Peak	100	23	P
5	10640.00	15.10	37.40	52.50	54.00	-1.50	Average	124	47	P
6	10640.00	15.10	51.42	66.52	74.00	-7.48	Peak	124	47	P
7	15960.00	17.56	29.39	46.95	54.00	-7.05	Average	100	125	P
8	15960.00	17.56	43.19	60.75	74.00	-13.25	Peak	100	125	P

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

**Test Mode** Mode 1, Band 2

Test Mode : 2TX 11a CH64 6Mbps
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	90.55	97.74	200.00	-102.26	Average	115	345	P
2	5320.00	7.19	100.54	107.73	200.00	-92.27	Peak	115	345	P
3	5350.00	7.22	42.18	49.40	54.00	-4.60	Average	115	345	P
4	5350.00	7.22	54.94	62.16	74.00	-11.84	Peak	115	345	P
5	10640.00	15.10	35.48	50.58	54.00	-3.42	Average	192	119	P
6	10640.00	15.10	49.65	64.75	74.00	-9.25	Peak	192	119	P
7	15960.00	17.56	30.38	47.94	54.00	-6.06	Average	100	360	P
8	15960.00	17.56	44.02	61.58	74.00	-12.42	Peak	100	360	P

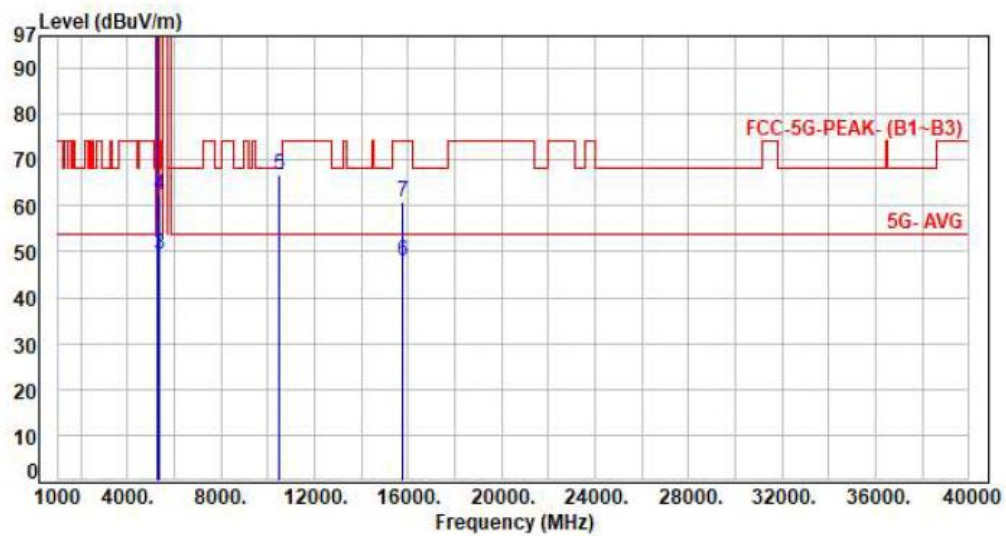
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 2

Test Mode : 2TX 11ac20 CH52 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	91.77	98.81	200.00	-101.19	Average	100	14	P
2	5260.00	7.04	102.18	109.22	200.00	-90.78	Peak	100	14	P
3	5350.00	7.22	42.12	49.34	54.00	-4.66	Average	100	14	P
4	5350.00	7.22	54.93	62.15	74.00	-11.85	Peak	100	14	P
5	10520.00	14.87	51.85	66.72	68.20	-1.48	Peak	100	49	P
6	15780.00	17.48	30.35	47.83	54.00	-6.17	Average	100	153	P
7	15780.00	17.48	43.32	60.80	74.00	-13.20	Peak	100	153	P

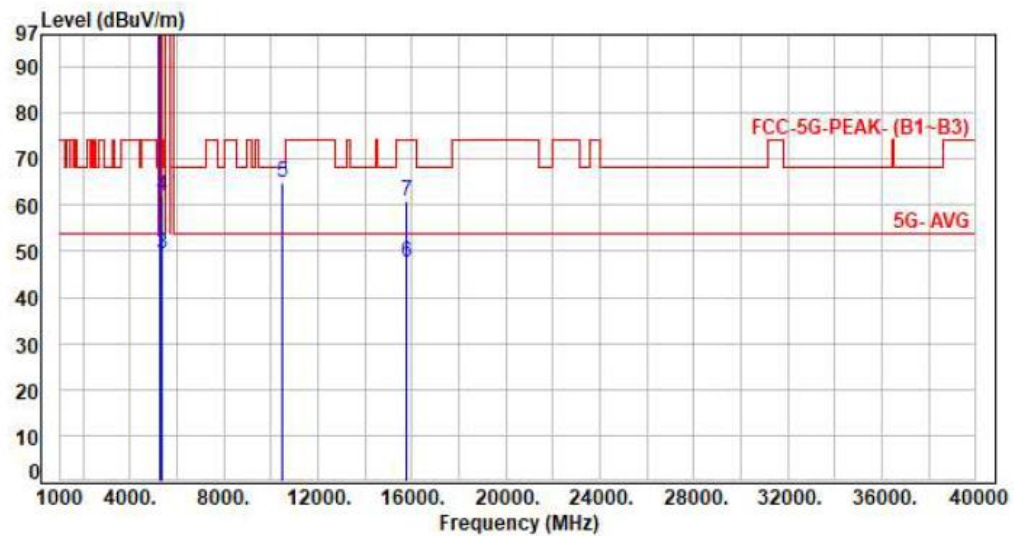
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 2

Test Mode : 2TX 11ac20 CH52 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal

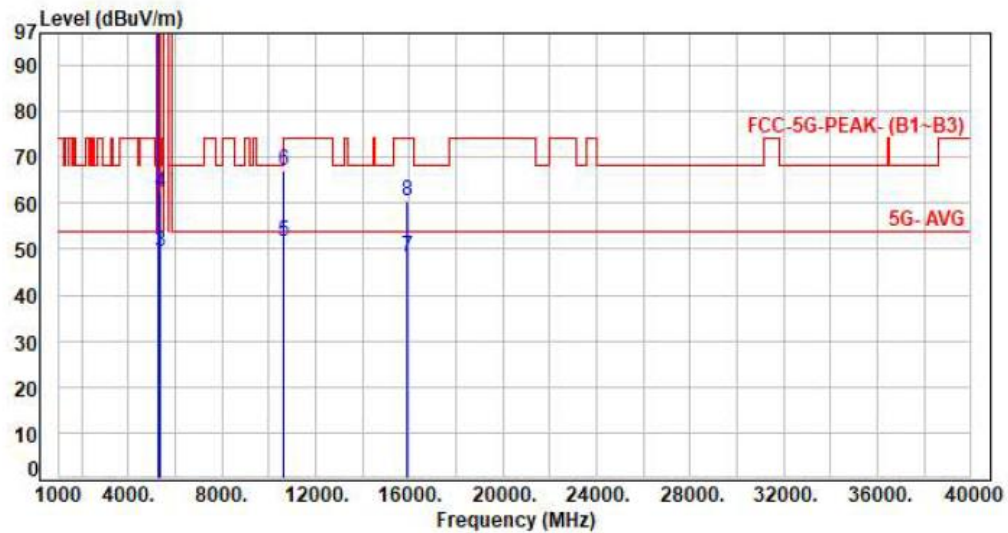


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	89.64	96.68	200.00	-103.32	Average	100	51	P
2	5260.00	7.04	100.10	107.14	200.00	-92.86	Peak	100	51	P
3	5350.00	7.22	42.17	49.39	54.00	-4.61	Average	100	51	P
4	5350.00	7.22	54.80	62.02	74.00	-11.98	Peak	100	51	P
5	10520.00	14.87	49.97	64.84	68.20	-3.36	Peak	100	105	P
6	15780.00	17.48	30.15	47.63	54.00	-6.37	Average	100	122	P
7	15780.00	17.48	43.53	61.01	74.00	-12.99	Peak	100	122	P

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

**Test Mode** Mode 2, Band 2

Test Mode : 2TX 11ac20 CH60 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	92.83	100.00	200.00	-100.00	Average	328	35	P
2	5300.00	7.17	102.71	109.88	200.00	-90.12	Peak	328	35	P
3	5350.00	7.22	42.18	49.40	54.00	-4.60	Average	328	35	P
4	5350.00	7.22	55.15	62.37	74.00	-11.63	Peak	328	35	P
5	10600.00	14.98	36.69	51.67	54.00	-2.33	Average	100	49	P
6	10600.00	14.98	52.30	67.28	74.00	-6.72	Peak	100	49	P
7	15900.00	17.53	30.68	48.21	54.00	-5.79	Average	100	152	P
8	15900.00	17.53	42.94	60.47	74.00	-13.53	Peak	100	152	P

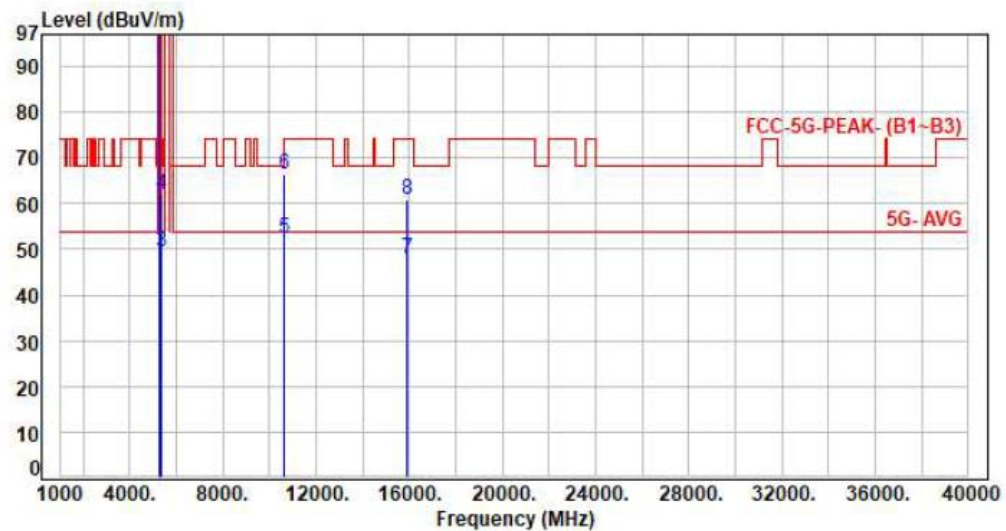
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 2

Test Mode : 2TX 11ac20 CH60 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	90.61	97.78	200.00	-102.22	Average	105	345	P
2	5300.00	7.17	100.82	107.99	200.00	-92.01	Peak	105	345	P
3	5350.00	7.22	42.17	49.39	54.00	-4.61	Average	105	345	P
4	5350.00	7.22	54.89	62.11	74.00	-11.89	Peak	105	345	P
5	10600.00	14.98	37.49	52.47	54.00	-1.53	Average	201	123	P
6	10600.00	14.98	51.23	66.21	74.00	-7.79	Peak	201	123	P
7	15900.00	17.53	30.59	48.12	54.00	-5.88	Average	100	117	P
8	15900.00	17.53	43.44	60.97	74.00	-13.03	Peak	100	117	P

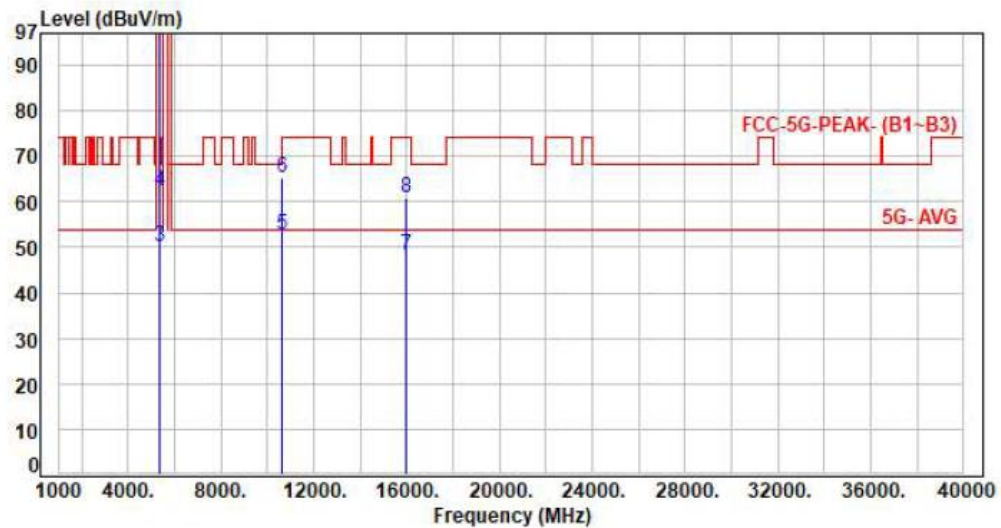
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 2

Test Mode : 2TX 11ac20 CH64 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	91.22	98.41	200.00	-101.59	Average	100	22	P
2	5320.00	7.19	101.90	109.09	200.00	-90.91	Peak	100	22	P
3	5350.00	7.22	42.85	50.07	54.00	-3.93	Average	100	22	P
4	5350.00	7.22	55.17	62.39	74.00	-11.61	Peak	100	22	P
5	10640.00	15.10	37.68	52.78	54.00	-1.22	Average	112	49	P
6	10640.00	15.10	50.18	65.28	74.00	-8.72	Peak	112	49	P
7	15960.00	17.56	30.70	48.26	54.00	-5.74	Average	100	112	P
8	15960.00	17.56	43.15	60.71	74.00	-13.29	Peak	100	112	P

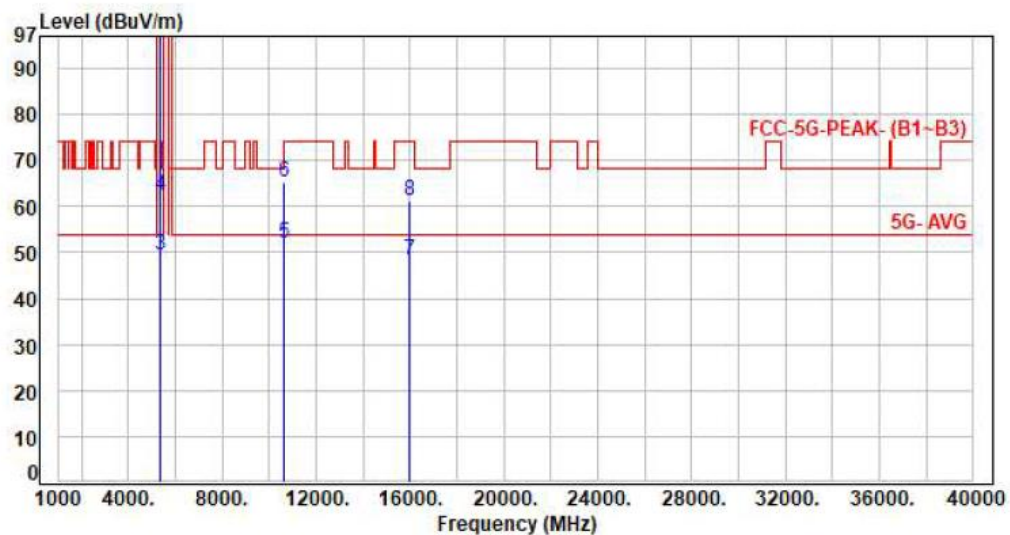
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 2

Test Mode : 2TX 11ac20 CH64 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal

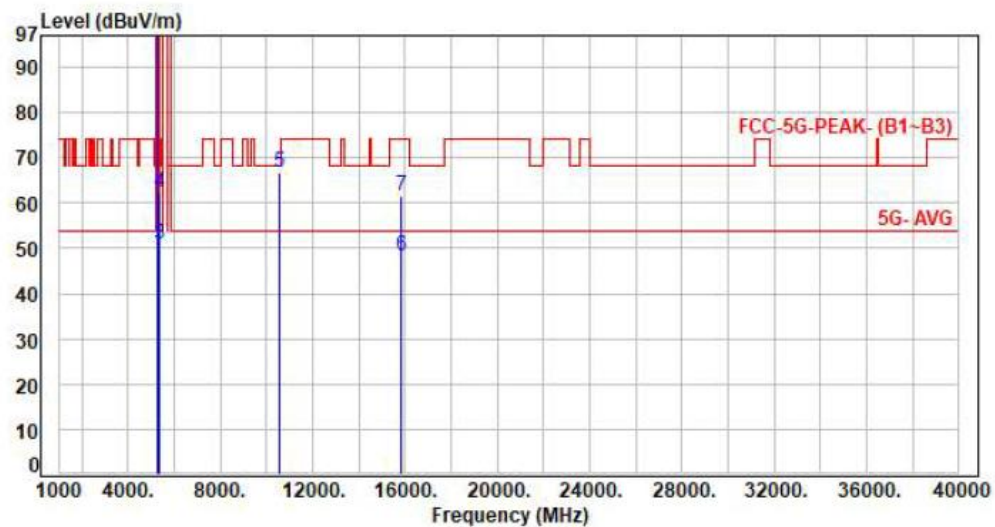


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	89.63	96.82	200.00	-103.18	Average	100	341	P
2	5320.00	7.19	99.66	106.85	200.00	-93.15	Peak	100	341	P
3	5350.00	7.22	42.09	49.31	54.00	-4.69	Average	100	341	P
4	5350.00	7.22	55.20	62.42	74.00	-11.58	Peak	100	341	P
5	10640.00	15.10	36.85	51.95	54.00	-2.05	Average	203	121	P
6	10640.00	15.10	50.26	65.36	74.00	-8.64	Peak	203	121	P
7	15960.00	17.56	30.64	48.20	54.00	-5.80	Average	100	152	P
8	15960.00	17.56	43.71	61.27	74.00	-12.73	Peak	100	152	P

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

**Test Mode** Mode 3, Band 2

Test Mode : 2TX 11ac40 CH54 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	7.07	93.00	100.07	200.00	-99.93	Average	275	28	P
2	5270.00	7.07	102.36	109.43	200.00	-90.57	Peak	275	28	P
3	5350.00	7.22	43.56	50.78	54.00	-3.22	Average	275	28	P
4	5350.00	7.22	55.29	62.51	74.00	-11.49	Peak	275	28	P
5	10540.00	14.90	51.92	66.82	68.20	-1.38	Peak	182	48	P
6	15810.00	17.37	31.08	48.45	54.00	-5.55	Average	100	146	P
7	15810.00	17.37	44.08	61.45	74.00	-12.55	Peak	100	146	P

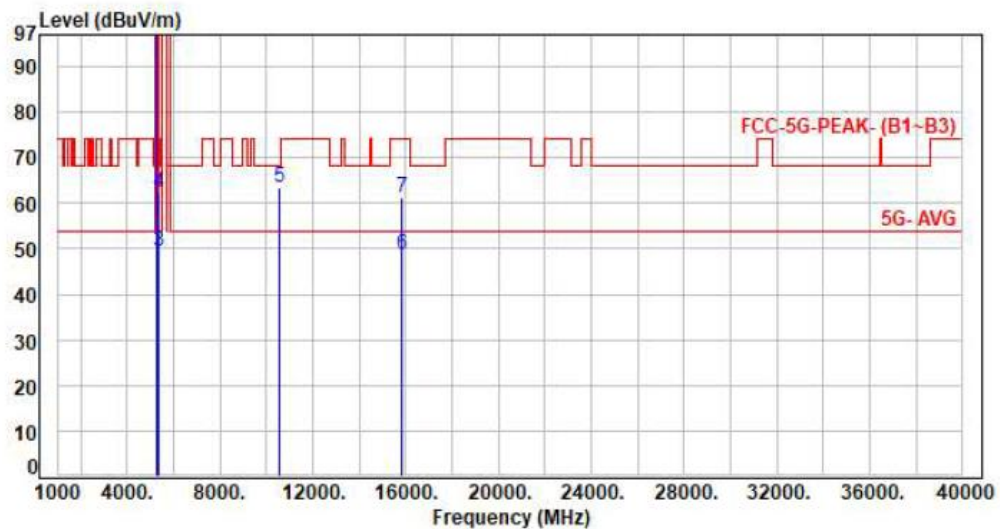
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 2

Test Mode : 2TX 11ac40 CH54 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	7.07	88.83	95.90	200.00	-104.10	Average	100	345	P
2	5270.00	7.07	98.75	105.82	200.00	-94.18	Peak	100	345	P
3	5350.00	7.22	42.36	49.58	54.00	-4.42	Average	100	345	P
4	5350.00	7.22	55.07	62.29	74.00	-11.71	Peak	100	345	P
5	10540.00	14.90	48.49	63.39	68.20	-4.81	Peak	100	103	P
6	15810.00	17.37	31.24	48.61	54.00	-5.39	Average	100	325	P
7	15810.00	17.37	43.83	61.20	74.00	-12.80	Peak	100	325	P

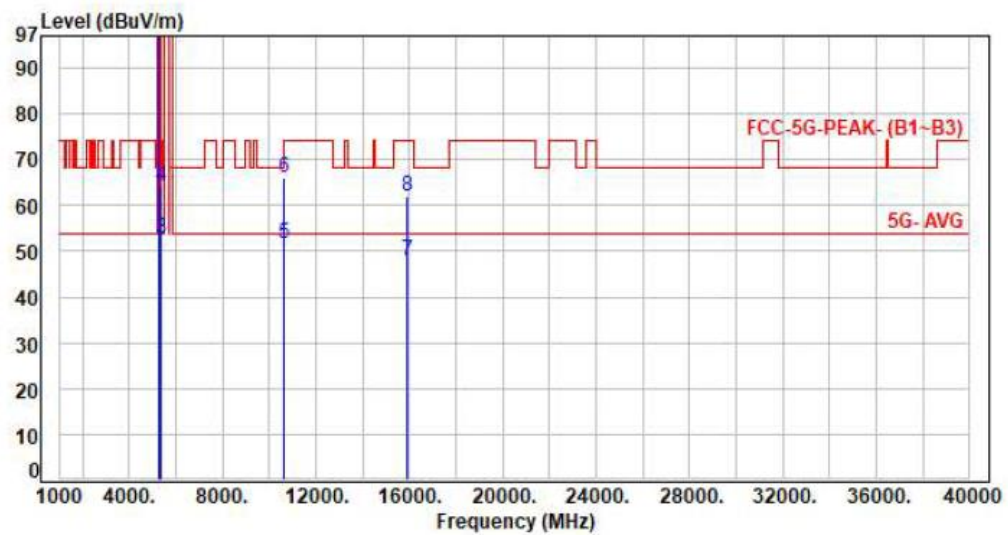
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 3, Band 2

Test Mode : 2TX 11ac40 CH62 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical

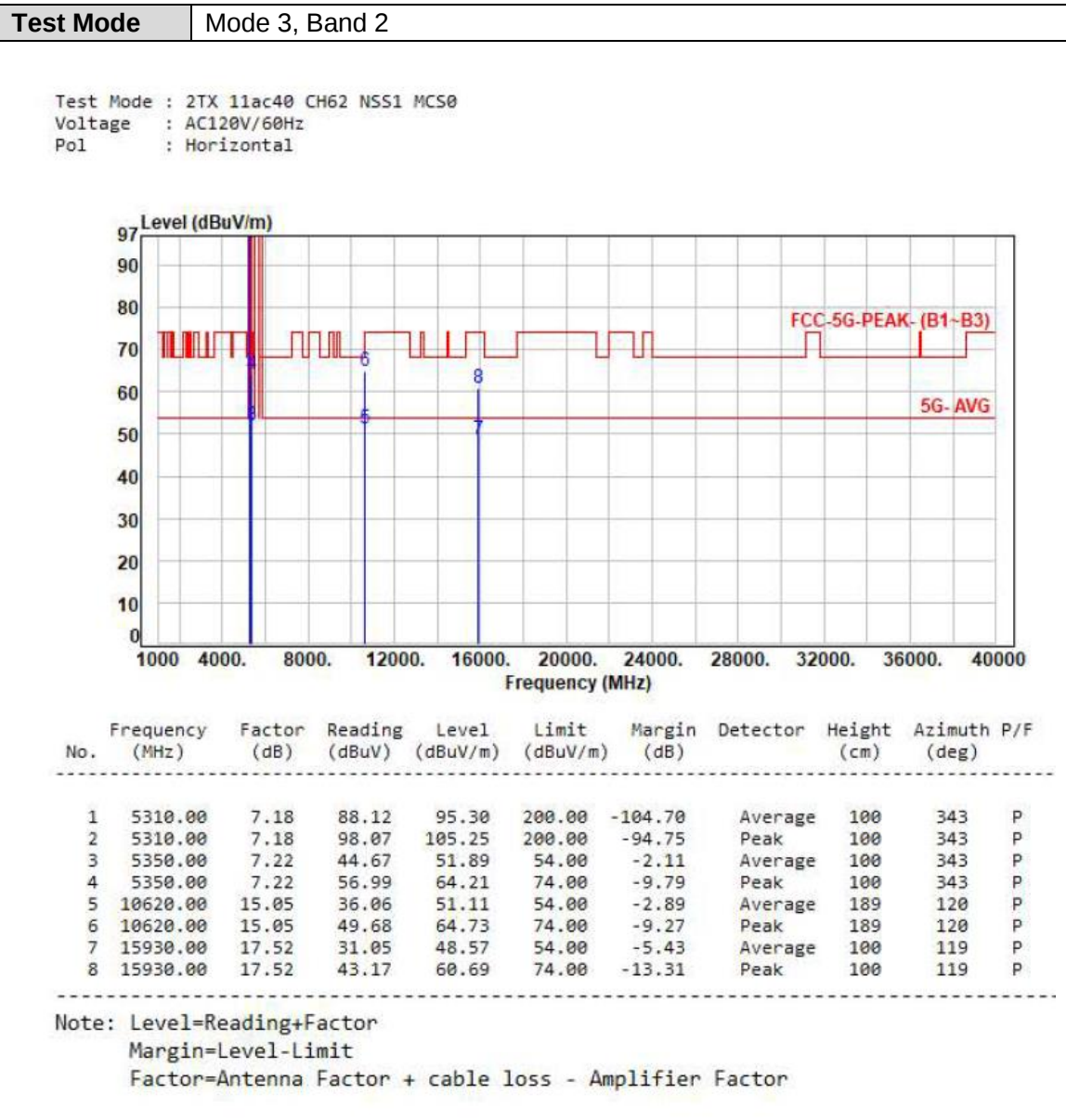


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	7.18	89.96	97.14	200.00	-102.86	Average	103	19	P
2	5310.00	7.18	99.46	106.64	200.00	-93.36	Peak	103	19	P
3	5350.00	7.22	45.66	52.88	54.00	-1.12	Average	103	19	P
4	5350.00	7.22	57.09	64.31	74.00	-9.69	Peak	103	19	P
5	10620.00	15.05	36.68	51.73	54.00	-2.27	Average	145	47	P
6	10620.00	15.05	50.96	66.01	74.00	-7.99	Peak	145	47	P
7	15930.00	17.52	30.39	47.91	54.00	-6.09	Average	100	116	P
8	15930.00	17.52	44.58	62.10	74.00	-11.90	Peak	100	116	P

Note: Level=Reading+Factor

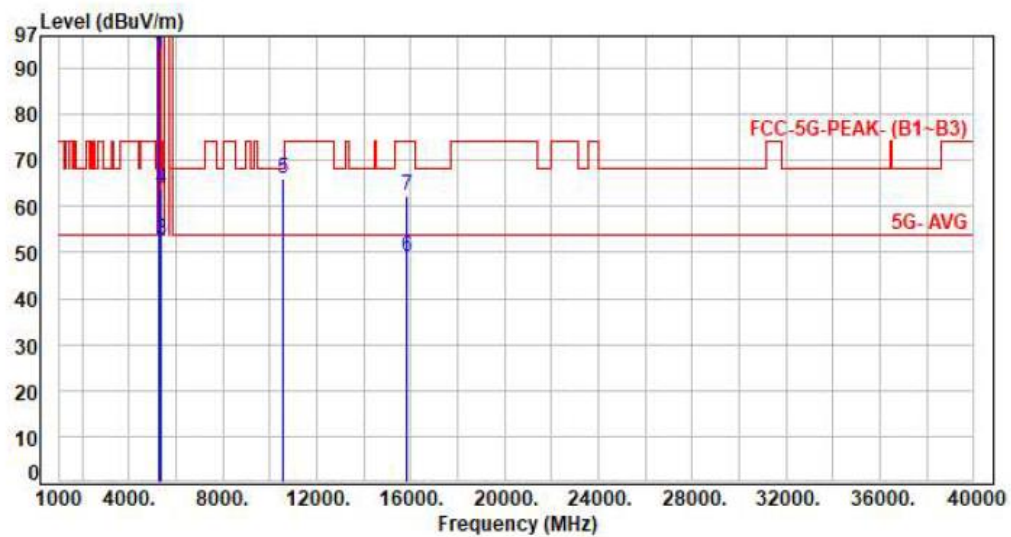
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



**Test Mode** Mode 4, Band 2

Test Mode : 2TX 11ac80 CH58 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	7.13	85.77	92.90	200.00	-107.10	Average	100	17	P
2	5290.00	7.13	94.84	101.97	200.00	-98.03	Peak	100	17	P
3	5350.00	7.22	45.56	52.78	54.00	-1.22	Average	100	17	P
4	5350.00	7.22	56.68	63.90	74.00	-10.10	Peak	100	17	P
5	10580.00	14.95	51.02	65.97	68.20	-2.23	Peak	100	125	P
6	15870.00	17.48	31.61	49.09	54.00	-4.91	Average	100	162	P
7	15870.00	17.48	44.83	62.31	74.00	-11.69	Peak	100	162	P

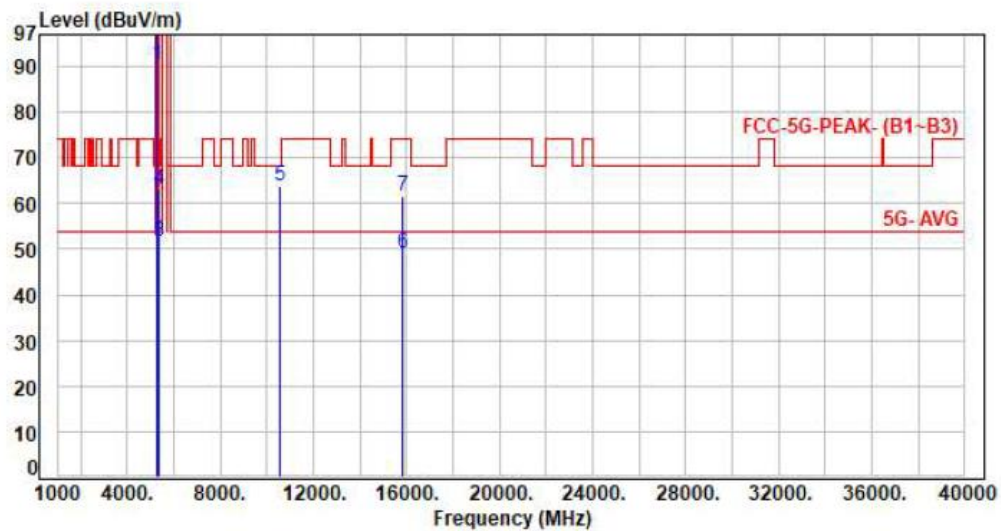
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 4, Band 2

Test Mode : 2TX 11ac80 CH58 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	7.13	83.11	90.24	200.00	-109.76	Average	134	346	P
2	5290.00	7.13	92.77	99.90	200.00	-100.10	Peak	134	346	P
3	5350.00	7.22	44.27	51.49	54.00	-2.51	Average	134	346	P
4	5350.00	7.22	55.71	62.93	74.00	-11.07	Peak	134	346	P
5	10580.00	14.95	48.98	63.93	68.20	-4.27	Peak	174	126	P
6	15870.00	17.48	31.70	49.18	54.00	-4.82	Average	100	115	P
7	15870.00	17.48	43.95	61.43	74.00	-12.57	Peak	100	115	P

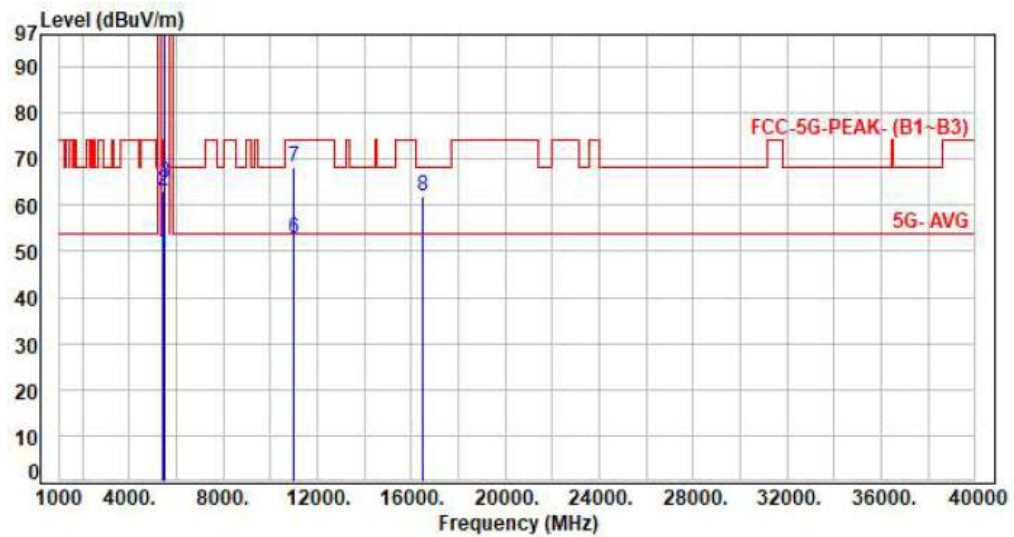
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 3

Test Mode : 2TX 11a CH100 6Mbps
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.42	49.87	54.00	-4.13	Average	104	46	P
2	5460.00	7.45	55.59	63.04	74.00	-10.96	Peak	104	46	P
3	5470.00	7.46	57.49	64.95	68.20	-3.25	Peak	104	46	P
4	5500.00	7.49	93.33	100.82	200.00	-99.18	Average	104	46	P
5	5500.00	7.49	103.50	110.99	200.00	-89.01	Peak	104	46	P
6	11000.00	15.68	37.20	52.88	54.00	-1.12	Average	104	46	P
7	11000.00	15.68	52.71	68.39	74.00	-5.61	Peak	104	46	P
8	16500.00	18.65	43.36	62.01	68.20	-6.19	Peak	100	135	P

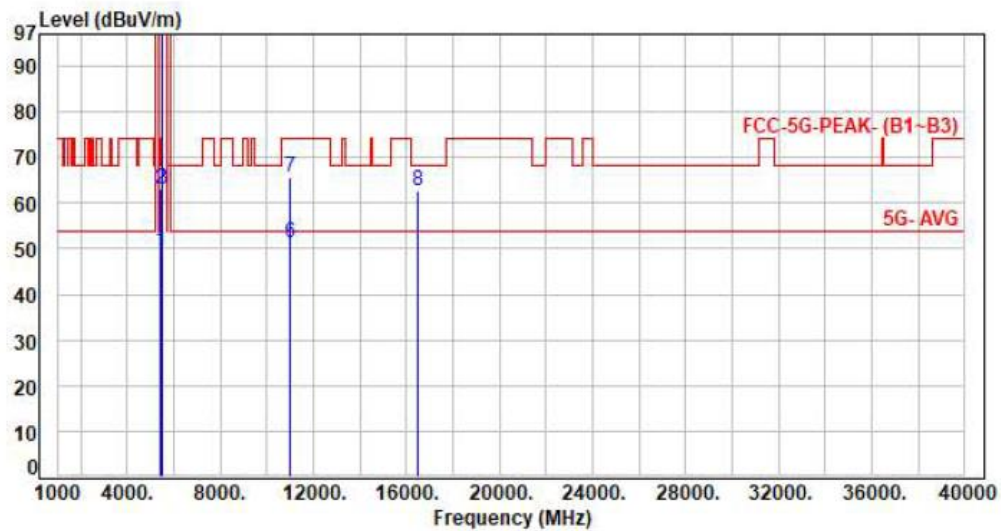
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 3

Test Mode : 2TX 11a CH100 6Mbps
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.91	49.36	54.00	-4.64	Average	215	340	P
2	5460.00	7.45	55.54	62.99	74.00	-11.01	Peak	215	340	P
3	5470.00	7.46	55.70	63.16	68.20	-5.04	Peak	215	340	P
4	5500.00	7.49	91.29	98.78	200.00	-101.22	Average	215	340	P
5	5500.00	7.49	101.37	108.86	200.00	-91.14	Peak	215	340	P
6	11000.00	15.68	35.52	51.20	54.00	-2.80	Average	200	124	P
7	11000.00	15.68	49.99	65.67	74.00	-8.33	Peak	200	124	P
8	16500.00	18.65	44.07	62.72	68.20	-5.48	Peak	100	254	P

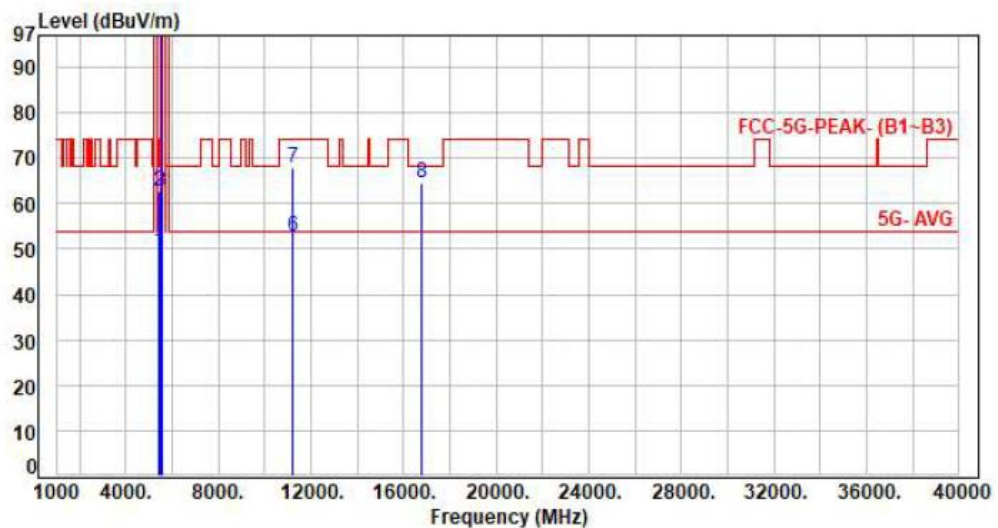
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 3

Test Mode : 2TX 11a CH120 6Mbps
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.89	49.34	54.00	-4.66	Average	100	29	P
2	5460.00	7.45	55.08	62.53	74.00	-11.47	Peak	100	29	P
3	5470.00	7.46	55.17	62.63	68.20	-5.57	Peak	100	29	P
4	5600.00	7.43	94.91	102.34	200.00	-97.66	Average	100	29	P
5	5600.00	7.43	104.78	112.21	200.00	-87.79	Peak	100	29	P
6	11200.00	15.91	36.91	52.82	54.00	-1.18	Average	100	54	P
7	11200.00	15.91	51.99	67.90	74.00	-6.10	Peak	100	54	P
8	16800.00	20.49	44.06	64.55	68.20	-3.65	Peak	100	175	P

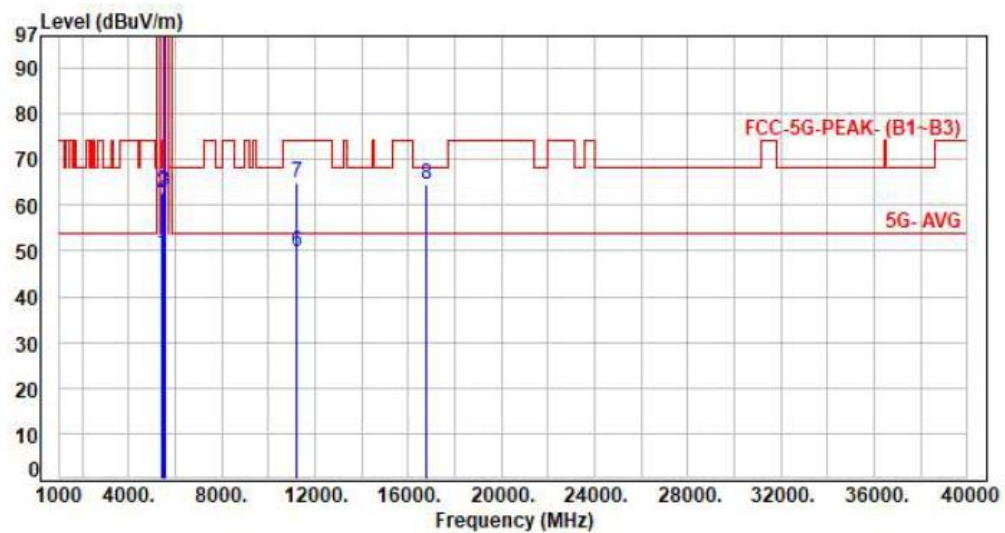
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 3

Test Mode : 2TX 11a CH120 6Mbps
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.87	49.32	54.00	-4.68	Average	100	92	P
2	5460.00	7.45	55.18	62.63	74.00	-11.37	Peak	100	92	P
3	5470.00	7.46	55.78	63.24	68.20	-4.96	Peak	100	92	P
4	5600.00	7.43	92.30	99.73	200.00	-100.27	Average	100	92	P
5	5600.00	7.43	101.52	108.95	200.00	-91.05	Peak	100	92	P
6	11200.00	15.91	33.90	49.81	54.00	-4.19	Average	204	240	P
7	11200.00	15.91	48.86	64.77	74.00	-9.23	Peak	204	240	P
8	16800.00	20.49	44.06	64.55	68.20	-3.65	Peak	100	125	P

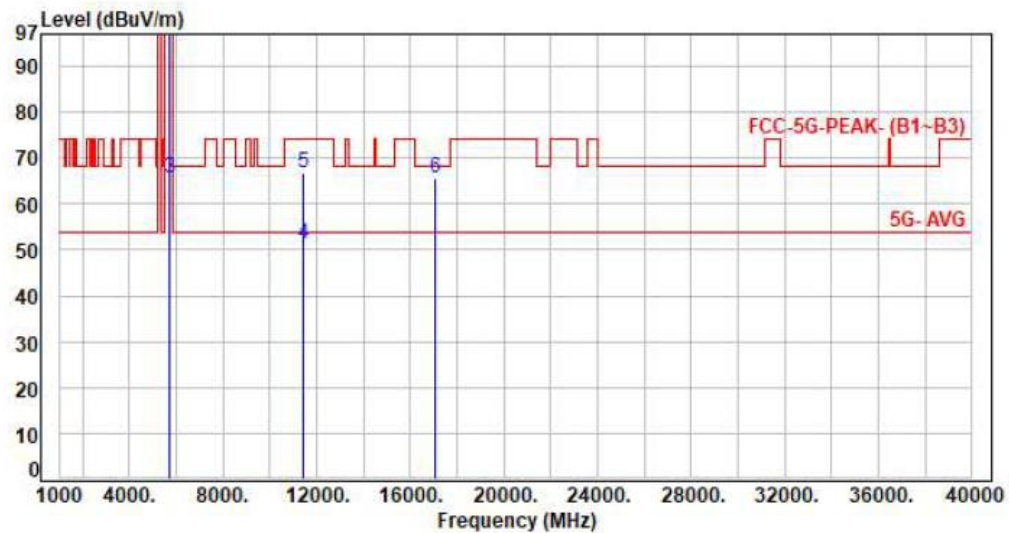
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 1, Band 3

Test Mode : 2TX 11a CH140 6Mbps
Voltage : AC120V/60Hz
Pol : Vertical

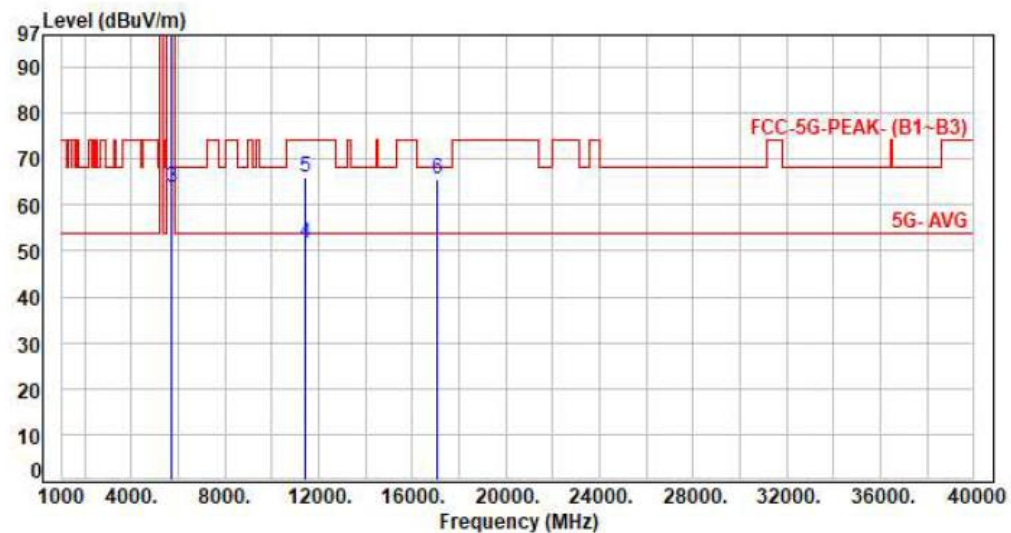


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	91.42	98.79	200.00	-101.21	Average	102	29	P
2	5700.00	7.37	101.75	109.12	200.00	-90.88	Peak	102	29	P
3	5725.00	7.33	58.23	65.56	68.20	-2.64	Peak	102	29	P
4	11400.00	16.14	35.29	51.43	54.00	-2.57	Average	104	53	P
5	11400.00	16.14	50.73	66.87	74.00	-7.13	Peak	104	53	P
6	17100.00	21.98	43.76	65.74	68.20	-2.46	Peak	104	125	P

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

**Test Mode** Mode 1, Band 3

Test Mode : 2TX 11a CH140 6Mbps
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	90.96	98.33	200.00	-101.67	Average	100	302	P
2	5700.00	7.37	100.49	107.86	200.00	-92.14	Peak	100	302	P
3	5725.00	7.33	56.65	63.98	68.20	-4.22	Peak	100	302	P
4	11400.00	16.14	35.34	51.48	54.00	-2.52	Average	383	165	P
5	11400.00	16.14	49.88	66.02	74.00	-7.98	Peak	383	165	P
6	17100.00	21.98	43.50	65.48	68.20	-2.72	Peak	100	241	P

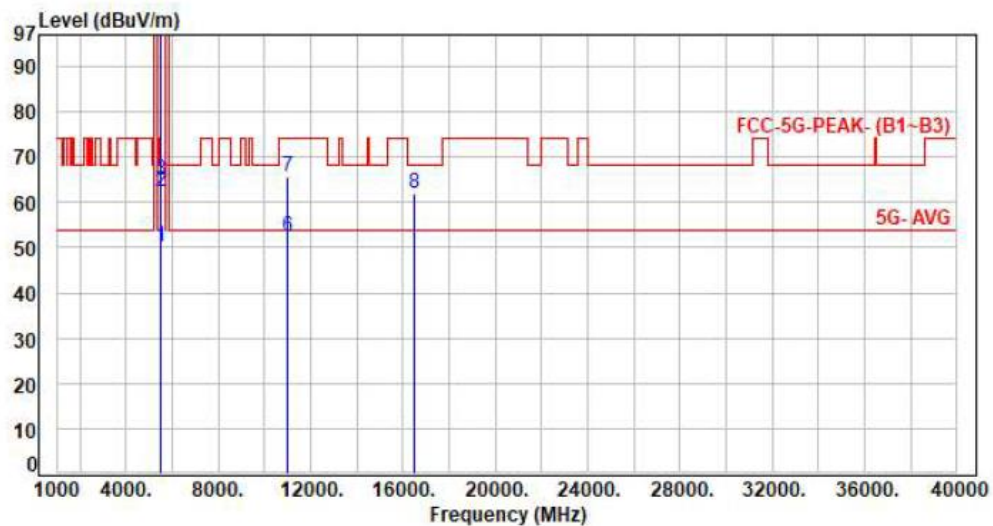
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 3

Test Mode : 2TX 11ac20 CH100 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5470.00	7.46	42.64	50.10	54.00	-3.90	Average	107	16	P
2	5470.00	7.46	54.84	62.30	68.20	-5.90	Peak	107	16	P
3	5470.00	7.46	57.57	65.03	68.20	-3.17	Peak	107	16	P
4	5500.00	7.49	92.29	99.78	200.00	-100.22	Average	107	16	P
5	5500.00	7.49	102.54	110.03	200.00	-89.97	Peak	107	16	P
6	11000.00	15.68	36.84	52.52	54.00	-1.48	Average	102	46	P
7	11000.00	15.68	50.06	65.74	74.00	-8.26	Peak	102	46	P
8	16500.00	18.65	43.47	62.12	68.20	-6.08	Peak	100	122	P

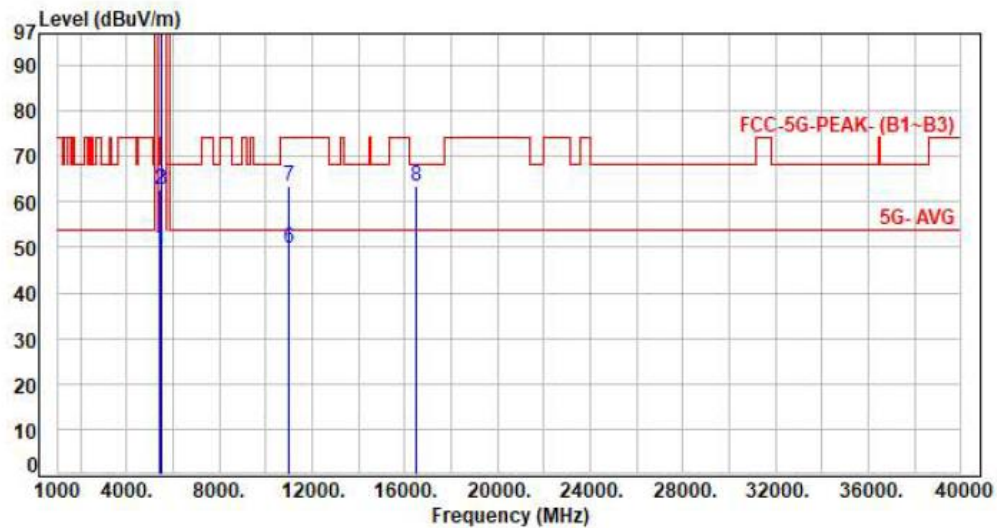
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 3

Test Mode : 2TX 11ac20 CH100 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.46	49.91	54.00	-4.09	Average	129	338	P
2	5460.00	7.45	55.24	62.69	74.00	-11.31	Peak	129	338	P
3	5470.00	7.46	55.10	62.56	68.20	-5.64	Peak	129	338	P
4	5500.00	7.49	92.05	99.54	200.00	-100.46	Average	129	338	P
5	5500.00	7.49	102.25	109.74	200.00	-90.26	Peak	129	338	P
6	11000.00	15.68	34.01	49.69	54.00	-4.31	Average	100	132	P
7	11000.00	15.68	47.60	63.28	74.00	-10.72	Peak	100	132	P
8	16500.00	18.65	44.62	63.27	68.20	-4.93	Peak	100	221	P

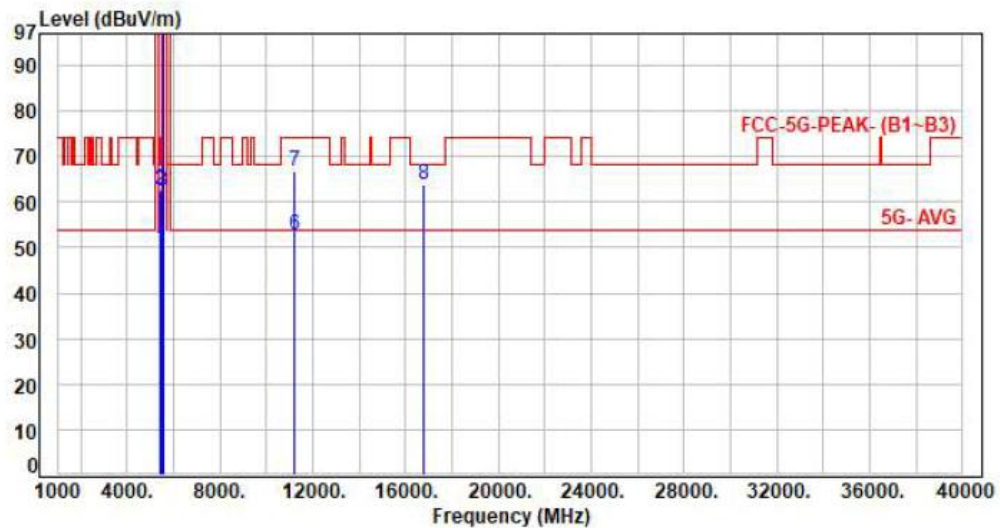
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 3

Test Mode : 2TX 11ac20 CH120 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.39	49.84	54.00	-4.16	Average	144	335	P
2	5460.00	7.45	55.32	62.77	74.00	-11.23	Peak	144	335	P
3	5470.00	7.46	54.92	62.38	68.20	-5.82	Peak	144	335	P
4	5600.00	7.43	91.96	99.39	200.00	-100.61	Average	144	335	P
5	5600.00	7.43	101.40	108.83	200.00	-91.17	Peak	144	335	P
6	11200.00	15.91	36.78	52.69	54.00	-1.31	Average	104	53	P
7	11200.00	15.91	50.78	66.69	74.00	-7.31	Peak	104	53	P
8	16800.00	20.49	43.49	63.98	68.20	-4.22	Peak	100	114	P

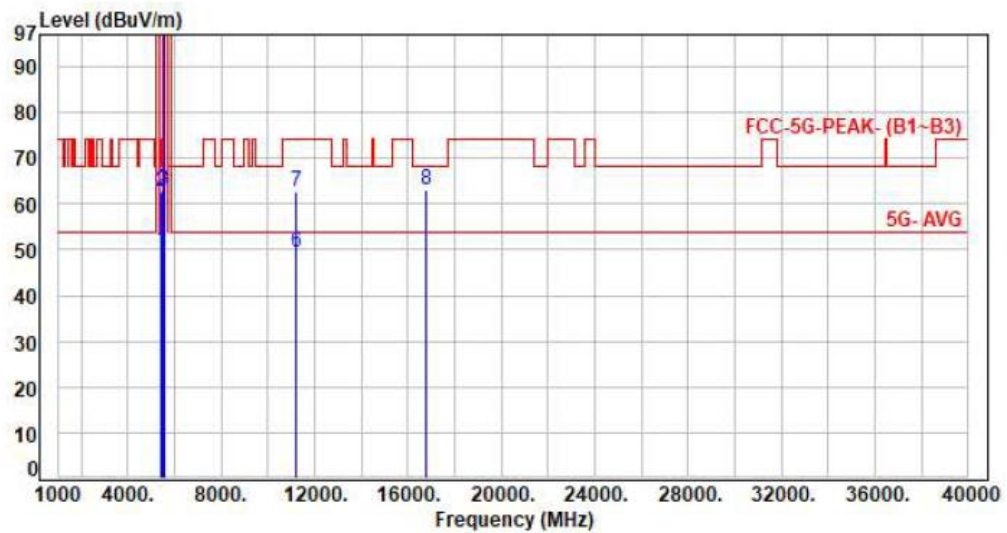
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

**Test Mode** Mode 2, Band 3

Test Mode : 2TX 11ac20 CH120 NSS1 MCS0
Voltage : AC120V/60Hz
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.20	49.65	54.00	-4.35	Average	226	338	P
2	5460.00	7.45	55.27	62.72	74.00	-11.28	Peak	226	338	P
3	5470.00	7.46	55.73	63.19	68.20	-5.01	Peak	226	338	P
4	5600.00	7.43	92.35	99.78	200.00	-100.22	Average	226	338	P
5	5600.00	7.43	102.11	109.54	200.00	-90.46	Peak	226	338	P
6	11200.00	15.91	33.39	49.30	54.00	-4.70	Average	181	121	P
7	11200.00	15.91	46.64	62.55	74.00	-11.45	Peak	181	121	P
8	16800.00	20.49	42.49	62.98	68.20	-5.22	Peak	100	254	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor