



FCC RADIO TEST REPORT

Applicant : Shuttle Inc.

Address : No. 30, Lane 76, Rui Guang Rd. Nei-Hu Dist.,
Taipei, Taiwan

Equipment : XPC nano

Model No. : NS02 V2

Trade Name : Shuttle

FCC ID : S8CNS02V2

I HEREBY CERTIFY THAT :

The sample was received on Nov. 18, 2020 and the testing was completed on Feb. 18, 2021 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:

Mark Liao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory





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History of this test report

Report No.	Issue Date	Description
TEFE2011199	Mar. 03, 2021	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

KDB789033

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

*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement.



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment and Model Description

Frequency Range	BT / BLE: 2402-2480MHz 802.11b/g/n: 2412-2462MHz 802.11a/n/ac: 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 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	DSSS, OFDM, FHSS, DTS
Data Rate	BT: GFSK: 1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps GFSK: 2 Mbps WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80
Antenna Type	PIFA Antenna
Antenna Gain	For BT: 2402-2480MHz: ANT A: 1.11dBi For WLAN: 2412-2462MHz: ANT A: 1.11dBi 5180-5240MHz: ANT A: 3.20dBi 5260-5320MHz: ANT A: 3.20dBi 5500-5700MHz: ANT A: 2.47dBi 5745-5825MHz: ANT A: 2.69dBi
Adapter	Brand: APD Model:WA-24Q12FU
Firmware Number	NS02V2_Series8_STD_1.0.2_20200910
Serial Number	NS02V20201K42F00014

Note:

- 1.EUT support TPC Function.
- 2.EUT support Client Mode without radar detection.
- 3.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

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: 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

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- b. The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
- c. An executive program, "Ampak RFTTestTool ver.7.0" under Android system was executed to transmit and receive data via WLAN.
- d. The following test modes were performed for the test:

e. Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11a (6Mbps)
2	802.11n HT20 (6.5Mbps)
3	802.11n HT40 (13.5Mbps)
4	802.11ac VHT20 (6.5Mbps)
5	802.11ac VHT40 (13.5Mbps)
6	802.11ac VHT80 (29.3Mbps)
caused "Test Mode 5" generated the worst case, it was reported as the final data.	
Radiation Emissions (30MHz ~ 1GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps)
2	802.11n HT20 (6.5Mbps)
3	802.11n HT40 (13.5Mbps)
4	802.11ac VHT20 (6.5Mbps)
5	802.11ac VHT40 (13.5Mbps)
6	802.11ac VHT80 (29.3Mbps)
caused "Test Mode 5" generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps)
2	802.11n HT20 (6.5Mbps)
3	802.11n HT40 (13.5Mbps)
4	802.11ac VHT20 (6.5Mbps)
5	802.11ac VHT40 (13.5Mbps)
6	802.11ac VHT80 (29.3Mbps)
caused "Test Mode 1, 4~6" generated the worst case, they were reported as the final data.	

Modulation Type	TX CONFIGURATION
802.11a	1TX
802.11n HT20	1TX
802.11n HT40	1TX
802.11ac VHT20	1TX
802.11ac VHT40	1TX
802.11ac VHT80	1TX



2.4. Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
KeyBoard	DELL	SK-8115	2.0m / NS	N/A
Mouse	DELL	MS111-P	1.7m / NS	N/A
Mointor	AOPEN	27MX1	NA	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.8m / NS	N/A
HDMI Cable	N/A	H1	1.7m / NS	N/A
Power Cord	N/A	P1	2.3m / NS	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
KeyBoard	DELL	SK-8115	2.0m / NS	N/A
Mouse	DELL	MS111-P	1.7m / NS	N/A
Mointor	AOPEN	27MX1	NA	N/A
Dongle	Transcend	16GB	N/A	N/A
Dongle	Transcend	16GB	N/A	N/A
Earphone	Apple	Earpods	1.2m / NS	N/A
MicroSDHC	ADATA	8GB	N/A	N/A
HDMI Cable	N/A	H1	1.7m / NS	N/A
Power Cord	N/A	P1	2.3m / NS	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
KeyBoard	DELL	SK-8115	2.0m / NS	N/A
Mouse	DELL	MS111-P	1.7m / NS	N/A
Mointor	AOPEN	27MX1	NA	N/A
Dongle	Transcend	16GB	N/A	N/A
Dongle	Transcend	16GB	N/A	N/A
Earphone	Apple	Earpods	1.2m / NS	N/A
MicroSDHC	ADATA	8GB	N/A	N/A
HDMI Cable	N/A	H1	1.7m / NS	N/A
Power Cord	N/A	P1	2.3m / NS	N/A



2.5. General Information of Test

Test Site	Cerpass 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
	VCCI	T-2205 for Telecommunication test C-4663 for Conducted emission test R-4218 for Radiated emission test G-10812, G-10813 for radiated disturbance above 1GHz
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	2021/02/17~2021/02/18	23~24℃ / 38~40%	Nick Guan
Radiated Emissions	3M02-NK	2020/12/28~2021/02/05	23~25℃ / 45~52%	Nick Guan Leon Huang
AC Power Line Conducted Emission	CON01-NK	2021/02/06	22℃ / 43%	Leon Huang

2.6. Measurement Uncertainty

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.63dB
Radiated Spurious Emission(9KHz~30MHz)	±3.404dB
Radiated Spurious Emission(30MHz~1GHz)	±5.686dB
Radiated Spurious Emission(1GHz~40GHz)	±6.597dB
6dB Bandwidth	±4.404%
26dB Bandwidth	±4.422%
Occupied Bandwidth	±4.400%
Peak Output Power(Conducted Power Meter)	±1.02dB
Power Spectral Density	±1.954dB
Duty Cycle	±3.47%
Frequency Stability	±209.668Hz



3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	369	2020/04/10	2021/04/09
Active Loop Antenna	EMCO	6507	40855	2020/05/21	2021/05/20
Horn Antenna	EMCO	3115	31601	2020/10/16	2021/10/15
Horn Antenna	EMCO	3116	31970	2020/03/26	2021/03/25
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2020/06/23	2021/06/22
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2020/08/03	2021/08/02
Preamplifier	EM Electronics corp.	EM330	60660	2020/03/16	2021/03/15
Preamplifier	Agilent	8449B	3008A01954	2020/03/16	2021/03/15
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2020/11/06	2021/11/05
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2020/04/07	2021/04/06
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2020/04/09	2021/04/08
Cable-0.5m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805443/4	2020/05/27	2021/05/26
Cable-3m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805796/4	2020/05/27	2021/05/26
Cable-8m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805795/4	2020/05/27	2021/05/26
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2020/04/01	2021/03/31
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2020/04/01	2021/03/31
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50314	2020/04/09	2021/04/08
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2020/09/18	2021/09/17
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	101329	2020/07/07	2021/07/06
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2020/04/07	2021/04/06
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2020/12/25	2021/12/24
Attenuator	KEYSIGHT	8491B	MY39250703	2020/04/17	2021/04/16
TEMP & HUMI CHAMBER	T-MACHINE	TMJ-9712	T-12-040111	2020/08/25	2021/08/24
Power Meter	Anritsu	ML2495A	1224005	2020/04/17	2021/04/16
Power Sensor	Anritsu	MA2411B	1207295	2020/04/17	2021/04/16
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	101329	2020/07/07	2021/07/06



Test Item	AC Power Line Conducted Emission				
Test Site	CON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	100443	2020/05/25	2021/05/24
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-568	2020/03/12	2021/03/11
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101934	2020/03/11	2021/03/10
Cable-6m(9k~300M)	NA	CFD300-NL	NA	2020/03/11	2021/03/10
E3	AUDIX	v8.2014-8-6	RK-000531	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	5180-5240MHz: ANT A: 3.20dBi 5260-5320MHz: ANT A: 3.20dBi 5500-5700MHz: ANT A: 2.47dBi 5745-5825MHz: ANT A: 2.69dBi



5. Test of AC Power Line Conducted Emission

5.1. Test Limit

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

Frequency (MHz)	Quasi Peak (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

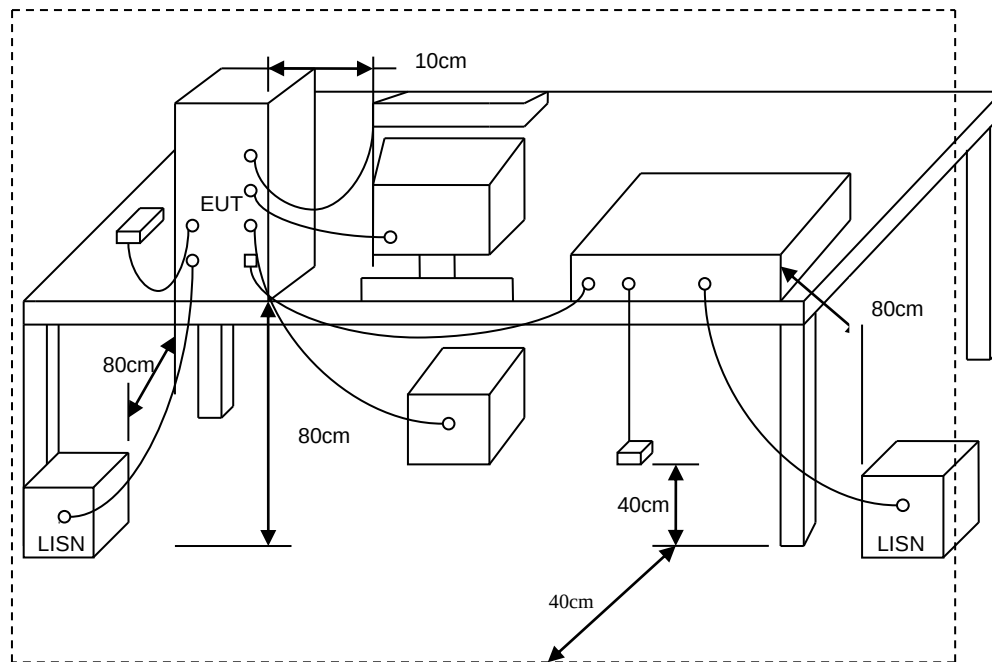
*Decreases with the logarithm of the frequency.

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.



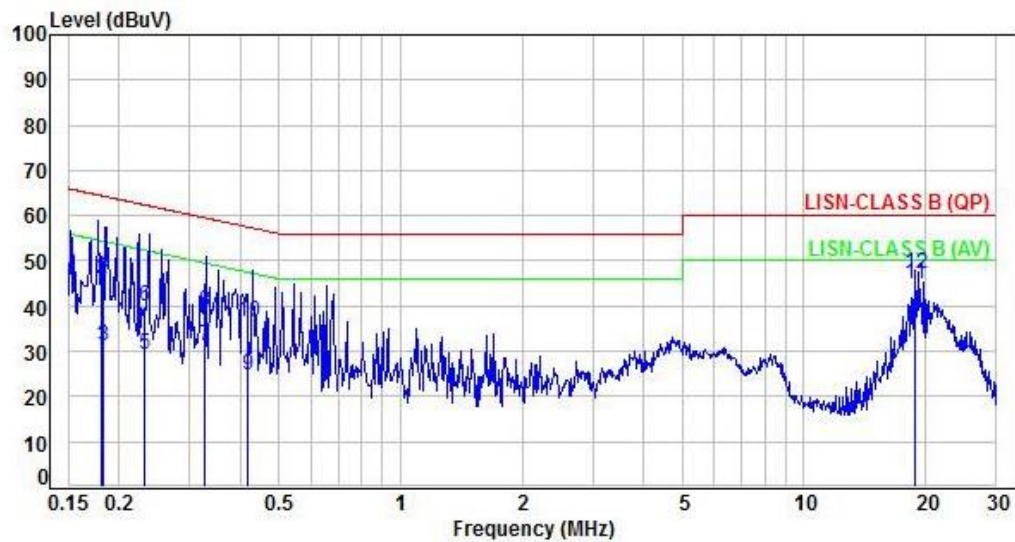
5.3. Typical Test Setup





5.4. Test Result and Data

Power	: AC 120V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 5		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Detector	P/F
1	0.18	10.03	21.25	31.28	54.42	-23.14	Average	P
2	0.18	10.03	35.86	45.89	64.42	-18.53	QP	P
3	0.18	10.03	21.23	31.26	54.38	-23.12	Average	P
4	0.18	10.03	36.66	46.69	64.38	-17.69	QP	P
5	0.23	10.03	19.39	29.42	52.38	-22.96	Average	P
6	0.23	10.03	29.85	39.88	62.38	-22.50	QP	P
7	0.33	10.04	21.31	31.35	49.57	-18.22	Average	P
8	0.33	10.04	28.66	38.70	59.57	-20.87	QP	P
9	0.42	10.05	14.77	24.82	47.46	-22.64	Average	P
10	0.42	10.05	26.43	36.48	57.46	-20.98	QP	P
11	18.84	10.70	34.32	45.02	50.00	-4.98	Average	P
12	18.84	10.70	36.40	47.10	60.00	-12.90	QP	P

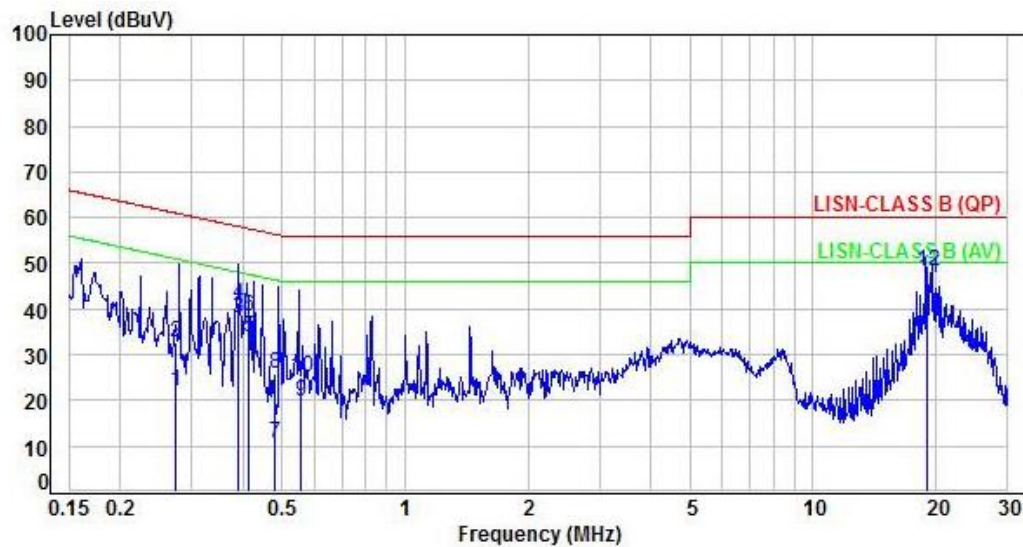
Note: Level=Reading+Factor

Margin=Level-Limit

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



Power	: AC 120V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 5		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Detector	P/F
1	0.27	10.01	12.18	22.19	51.00	-28.81	Average	P
2	0.27	10.01	22.63	32.64	61.00	-28.36	QP	P
3	0.39	10.01	27.87	37.88	48.04	-10.16	Average	P
4	0.39	10.01	30.88	40.89	58.04	-17.15	QP	P
5	0.41	10.02	23.91	33.93	47.56	-13.63	Average	P
6	0.41	10.02	28.28	38.30	57.56	-19.26	QP	P
7	0.48	10.02	0.64	10.66	46.39	-35.73	Average	P
8	0.48	10.02	15.77	25.79	56.39	-30.60	QP	P
9	0.55	10.03	9.61	19.64	46.00	-26.36	Average	P
10	0.55	10.03	15.13	25.16	56.00	-30.84	QP	P
11	19.10	10.71	35.98	46.69	50.00	-3.31	Average	P
12	19.10	10.71	37.43	48.14	60.00	-11.86	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

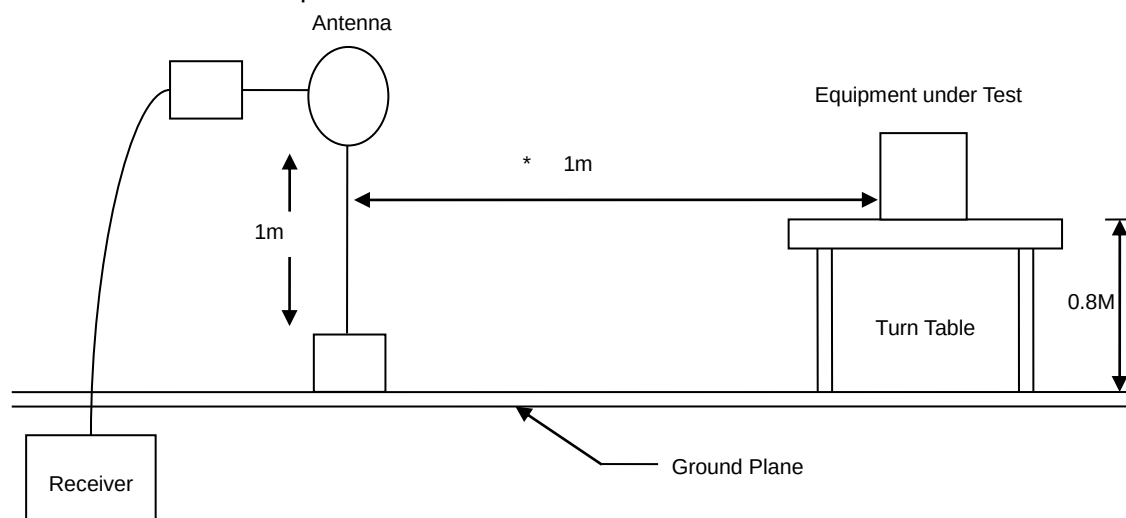
- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- 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: The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized.

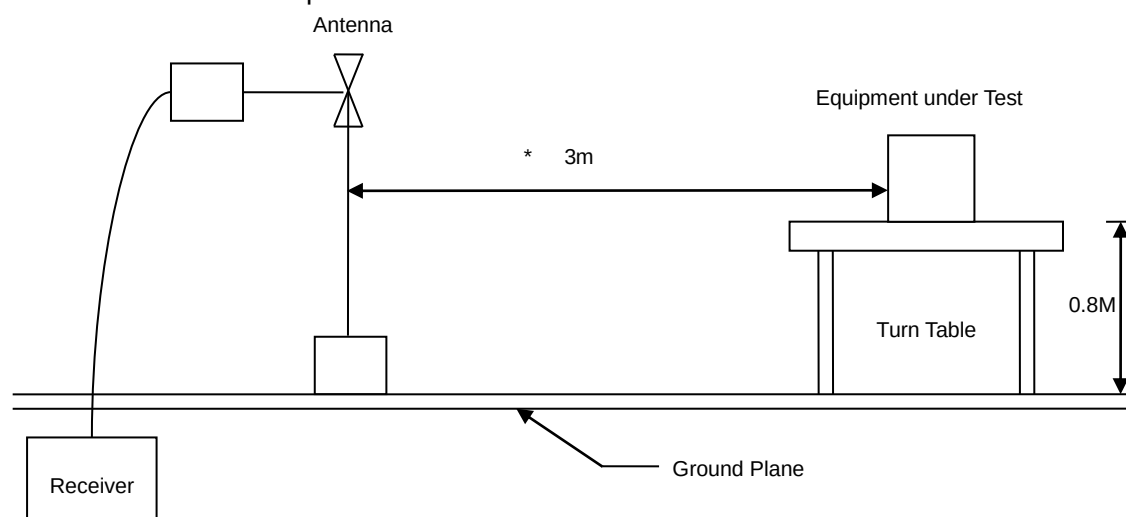


6.3. Typical Test Setup

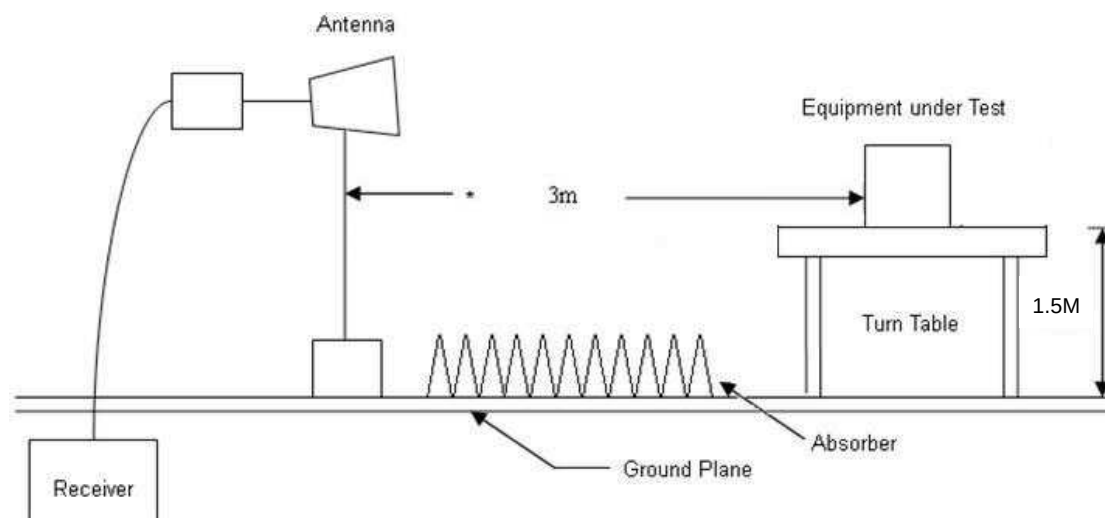
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



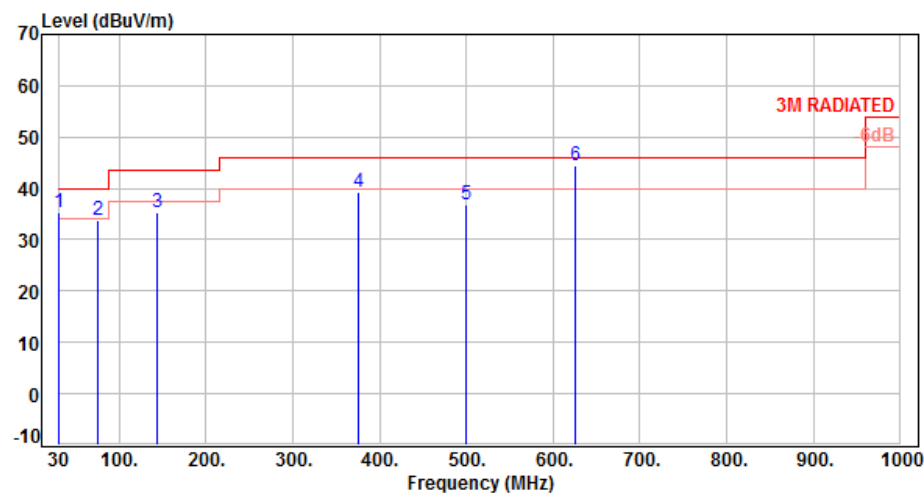


6.4. Test Result and Data (9kHz ~ 30MHz)

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 2		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	45.73	35.31	40.00	-4.69	Peak	400	0	P
2	75.26	-13.25	47.17	33.92	40.00	-6.08	Peak	400	0	P
3	143.42	-9.50	44.69	35.19	43.50	-8.31	Peak	400	0	P
4	375.19	-6.37	45.78	39.41	46.00	-6.59	Peak	400	0	P
5	500.13	-3.72	40.58	36.86	46.00	-9.14	Peak	400	0	P
6	625.48	-1.02	45.62	44.60	46.00	-1.40	QP	110	255	P

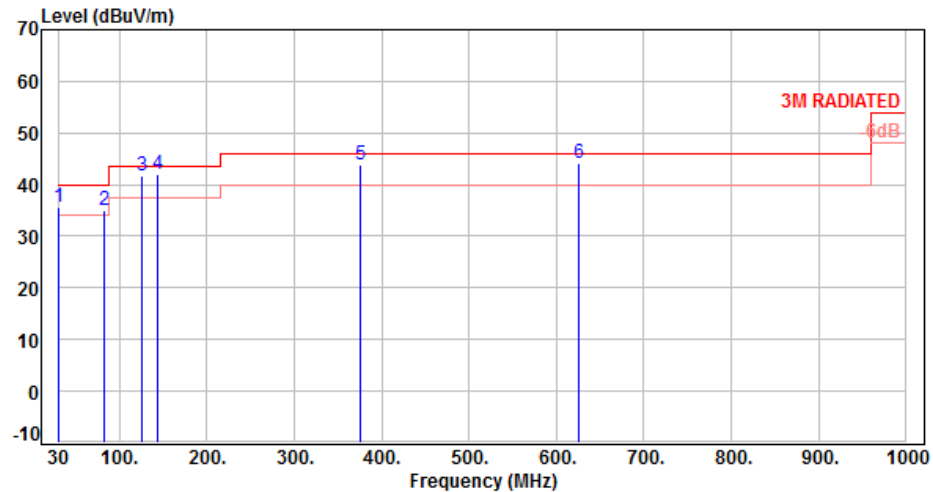
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	46.17	35.75	40.00	-4.25	Peak	100	0	P
2	82.48	-14.73	49.76	35.03	40.00	-4.97	Peak	100	0	P
3	125.00	-11.31	52.91	41.60	43.50	-1.90	QP	100	360	P
4	143.57	-9.48	51.42	41.94	43.50	-1.56	QP	100	215	P
5	375.42	-6.37	50.23	43.86	46.00	-2.14	QP	198	265	P
6	625.48	-1.02	45.30	44.28	46.00	-1.72	QP	170	251	P

Note: Level=Reading+Factor

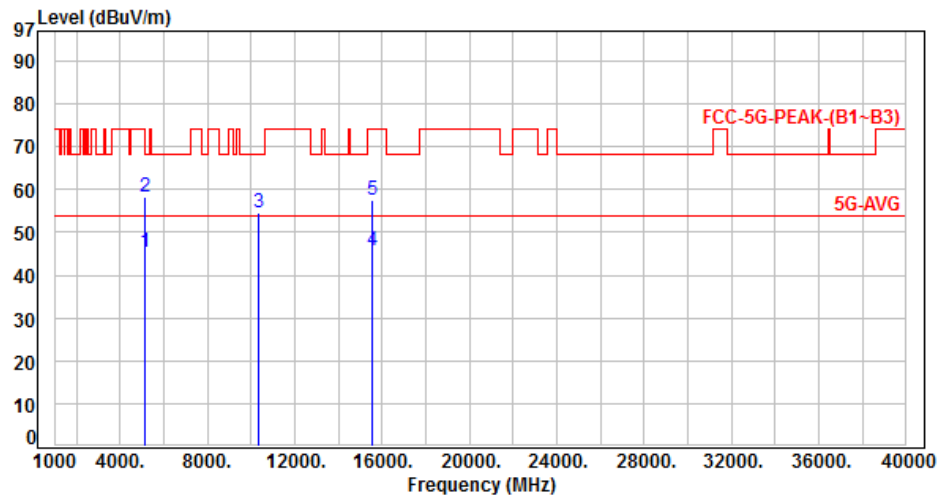
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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

Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 1, CH36		:



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	5.72	39.76	45.48	54.00	-8.52	Average	100	334	P
2	5150.00	5.72	52.48	58.20	74.00	-15.80	Peak	100	334	P
3	10360.00	12.85	41.84	54.69	68.20	-13.51	Peak	109	321	P
4	15540.00	15.25	30.50	45.75	54.00	-8.25	Average	116	346	P
5	15540.00	15.25	42.22	57.47	74.00	-16.53	Peak	116	346	P

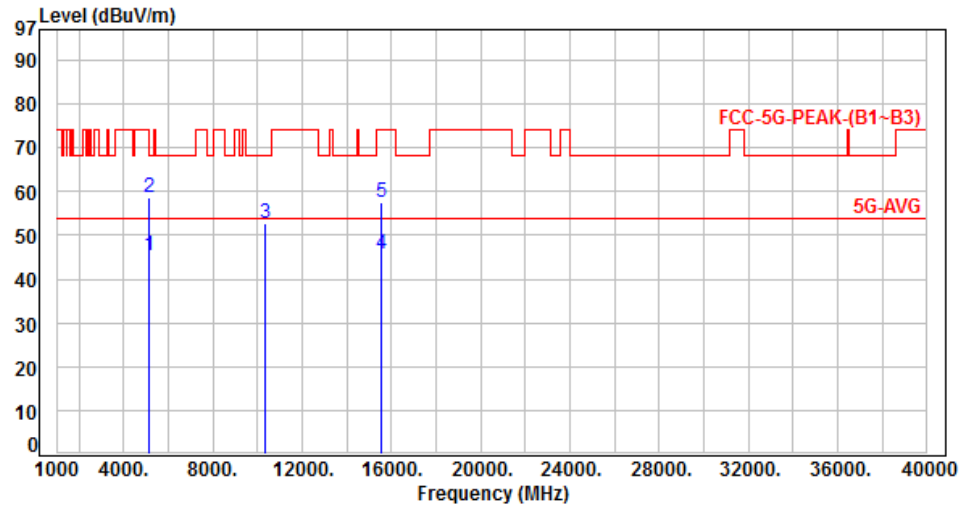
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 1, CH36		:



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	5.72	39.70	45.42	54.00	-8.58	Average	100	42	P
2	5150.00	5.72	52.93	58.65	74.00	-15.35	Peak	100	42	P
3	10360.00	12.85	39.98	52.83	68.20	-15.37	Peak	105	57	P
4	15540.00	15.25	30.56	45.81	54.00	-8.19	Average	109	65	P
5	15540.00	15.25	42.39	57.64	74.00	-16.36	Peak	109	65	P

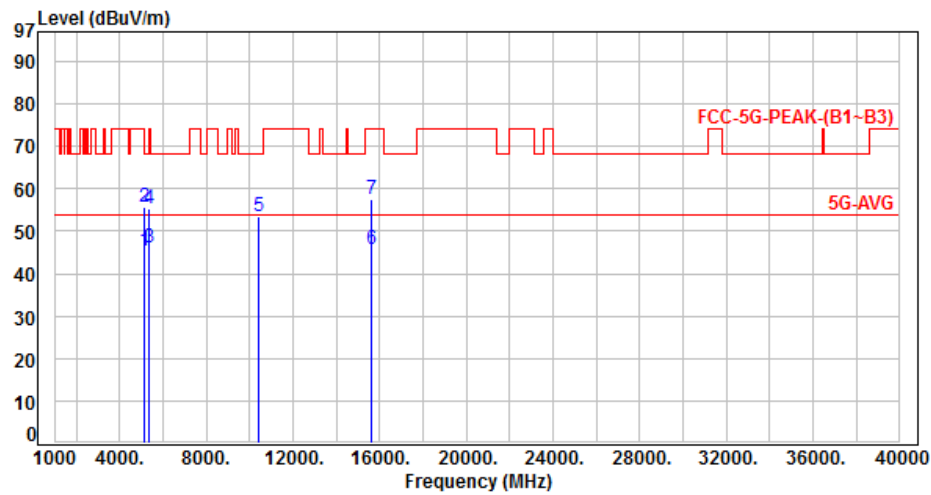
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH40		:	



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	5.72	39.66	45.38	54.00	-8.62	Average	102	332	P
2	5150.00	5.72	50.10	55.82	74.00	-18.18	Peak	102	332	P
3	5350.00	6.12	40.15	46.27	54.00	-7.73	Average	102	332	P
4	5350.00	6.12	49.12	55.24	74.00	-18.76	Peak	102	332	P
5	10400.00	12.90	40.63	53.53	68.20	-14.67	Peak	112	333	P
6	15600.00	14.85	30.72	45.57	54.00	-8.43	Average	118	339	P
7	15600.00	14.85	42.67	57.52	74.00	-16.48	Peak	118	339	P

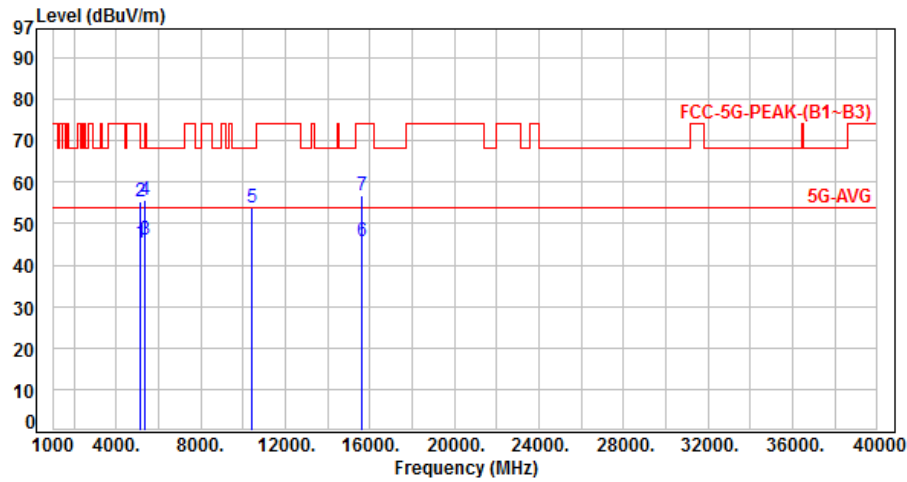
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 1, CH40		:



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	5.72	39.71	45.43	54.00	-8.57	Average	100	18	P
2	5150.00	5.72	49.72	55.44	74.00	-18.56	Peak	100	18	P
3	5350.00	6.12	40.11	46.23	54.00	-7.77	Average	100	18	P
4	5350.00	6.12	49.42	55.54	74.00	-18.46	Peak	100	18	P
5	10400.00	12.90	40.96	53.86	68.20	-14.34	Peak	102	53	P
6	15600.00	14.85	30.85	45.70	54.00	-8.30	Average	113	69	P
7	15600.00	14.85	42.06	56.91	74.00	-17.09	Peak	113	69	P

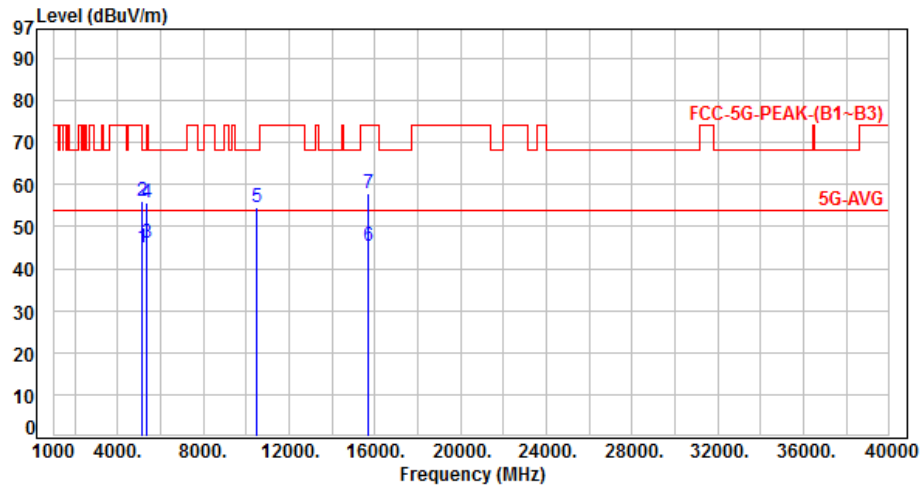
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH48		:	



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	5.72	39.42	45.14	54.00	-8.86	Average	100	331	P
2	5150.00	5.72	50.17	55.89	74.00	-18.11	Peak	100	331	P
3	5350.00	6.12	39.88	46.00	54.00	-8.00	Average	100	331	P
4	5350.00	6.12	49.64	55.76	74.00	-18.24	Peak	100	331	P
5	10480.00	13.03	41.63	54.66	68.20	-13.54	Peak	106	348	P
6	15720.00	14.51	30.75	45.26	54.00	-8.74	Average	112	331	P
7	15720.00	14.51	43.45	57.96	74.00	-16.04	Peak	112	331	P

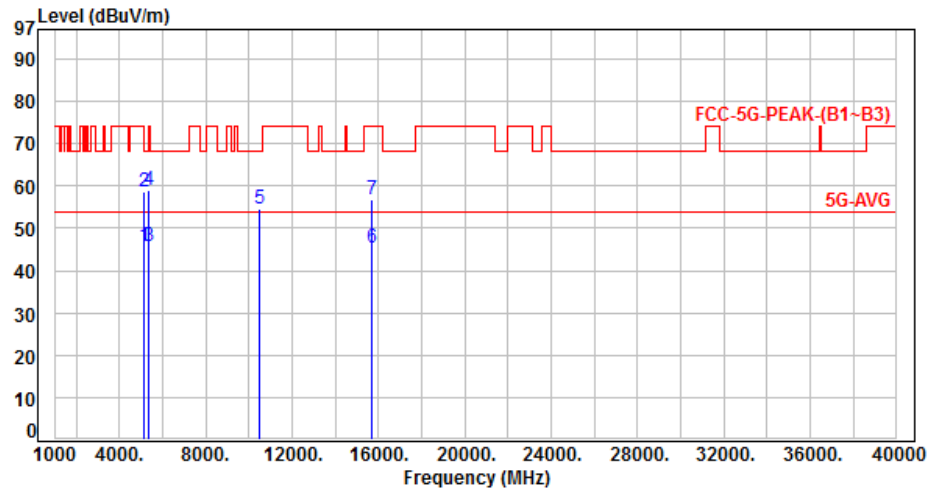
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 1, CH48		:



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	5.72	39.84	45.56	54.00	-8.44	Average	102	15	P
2	5150.00	5.72	52.86	58.58	74.00	-15.42	Peak	102	15	P
3	5350.00	6.12	39.66	45.78	54.00	-8.22	Average	102	15	P
4	5350.00	6.12	52.91	59.03	74.00	-14.97	Peak	102	15	P
5	10480.00	13.03	41.58	54.61	68.20	-13.59	Peak	116	64	P
6	15720.00	14.51	30.94	45.45	54.00	-8.55	Average	121	73	P
7	15720.00	14.51	42.36	56.87	74.00	-17.13	Peak	121	73	P

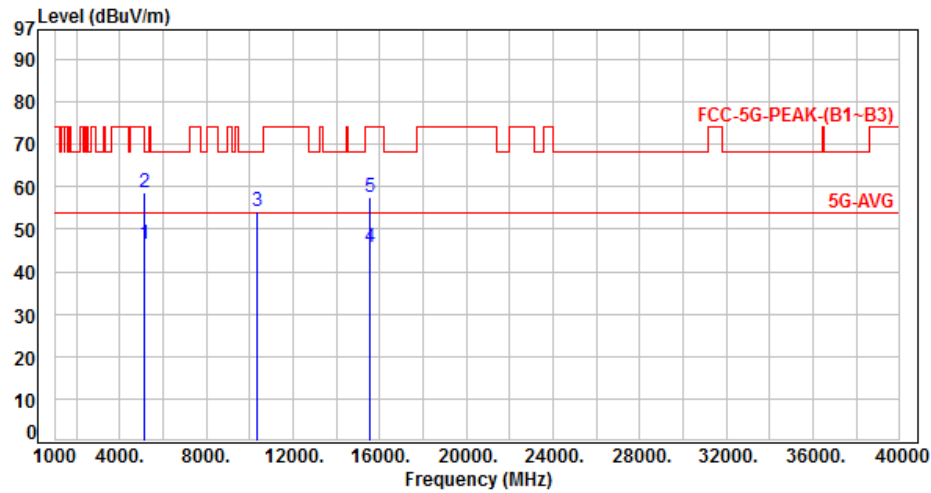
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 1, CH36		:



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	5.72	40.87	46.59	54.00	-7.41	Average	101	296	P
2	5150.00	5.72	53.04	58.76	74.00	-15.24	Peak	101	296	P
3	10360.00	12.85	41.37	54.22	68.20	-13.98	Peak	157	358	P
4	15540.00	15.25	30.64	45.89	54.00	-8.11	Average	167	347	P
5	15540.00	15.25	42.43	57.68	74.00	-16.32	Peak	167	347	P

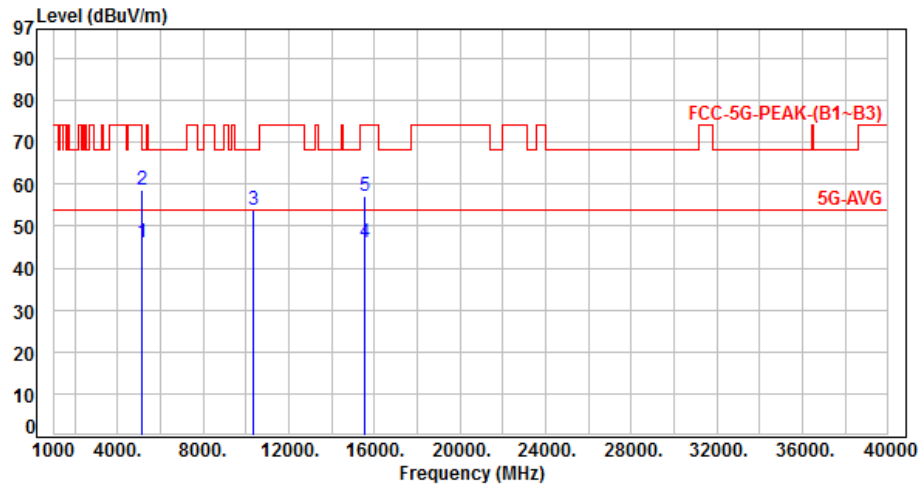
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 1, CH36		:



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	5.72	40.51	46.23	54.00	-7.77	Average	100	44	P
2	5150.00	5.72	53.06	58.78	74.00	-15.22	Peak	100	44	P
3	10360.00	12.85	41.09	53.94	68.20	-14.26	Peak	121	93	P
4	15540.00	15.25	30.77	46.02	54.00	-7.98	Average	142	76	P
5	15540.00	15.25	41.87	57.12	74.00	-16.88	Peak	142	76	P

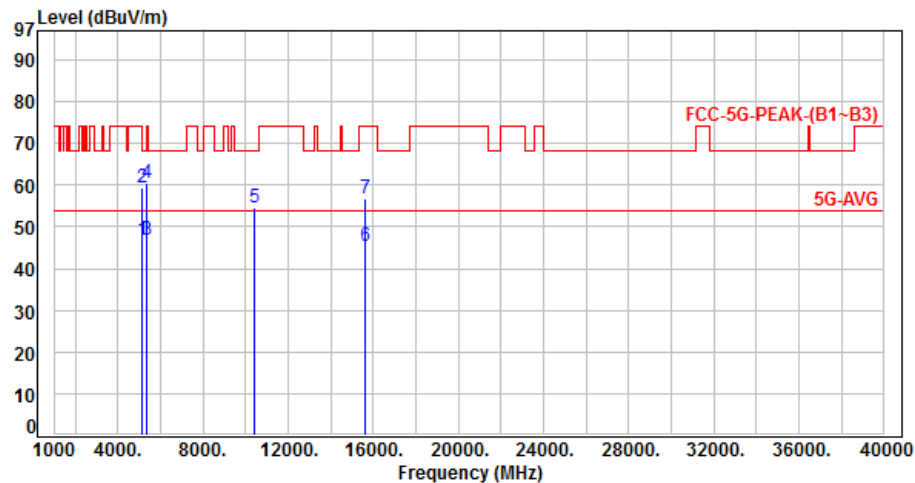
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 1, CH40		:



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	5.72	40.98	46.70	54.00	-7.30	Average	100	330	P
2	5150.00	5.72	53.48	59.20	74.00	-14.80	Peak	100	330	P
3	5350.00	6.12	40.72	46.84	54.00	-7.16	Average	100	330	P
4	5350.00	6.12	54.53	60.65	74.00	-13.35	Peak	100	330	P
5	10400.00	12.90	41.64	54.54	68.20	-13.66	Peak	117	358	P
6	15600.00	14.85	30.65	45.50	54.00	-8.50	Average	124	349	P
7	15600.00	14.85	42.01	56.86	74.00	-17.14	Peak	124	349	P

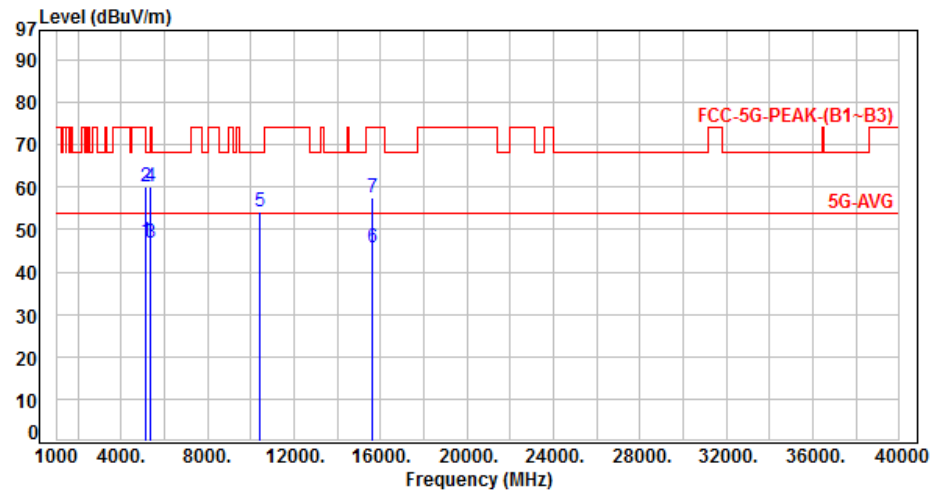
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 1, CH40		:



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	5.72	41.42	47.14	54.00	-6.86	Average	105	11	P
2	5150.00	5.72	54.37	60.09	74.00	-13.91	Peak	105	11	P
3	5350.00	6.12	40.67	46.79	54.00	-7.21	Average	105	11	P
4	5350.00	6.12	53.87	59.99	74.00	-14.01	Peak	105	11	P
5	10400.00	12.90	41.23	54.13	68.20	-14.07	Peak	121	76	P
6	15600.00	14.85	30.83	45.68	54.00	-8.32	Average	113	68	P
7	15600.00	14.85	42.85	57.70	74.00	-16.30	Peak	113	68	P

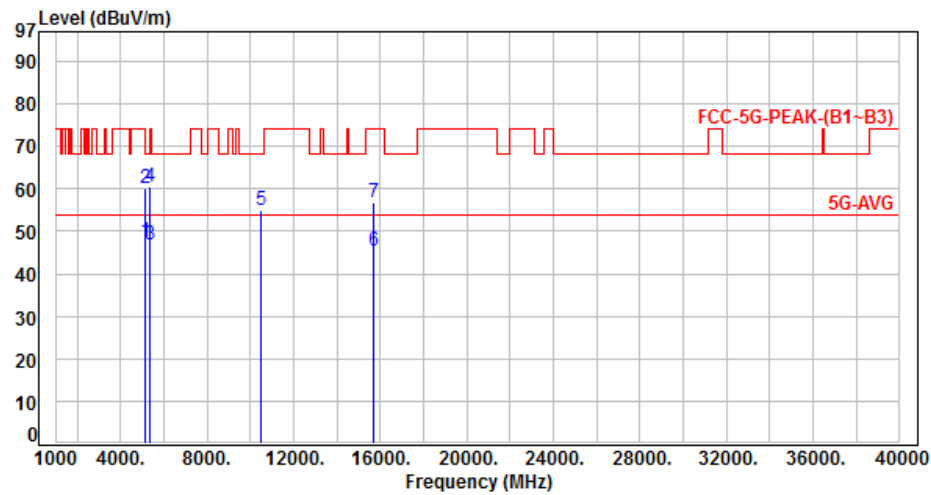
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 1, CH48		:	



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	5.72	41.84	47.56	54.00	-6.44	Average	134	328	P
2	5150.00	5.72	54.34	60.06	74.00	-13.94	Peak	134	328	P
3	5350.00	6.12	40.55	46.67	54.00	-7.33	Average	134	328	P
4	5350.00	6.12	54.36	60.48	74.00	-13.52	Peak	134	328	P
5	10480.00	13.03	41.92	54.95	68.20	-13.25	Peak	101	331	P
6	15720.00	14.51	30.69	45.20	54.00	-8.80	Average	124	358	P
7	15720.00	14.51	42.28	56.79	74.00	-17.21	Peak	124	358	P

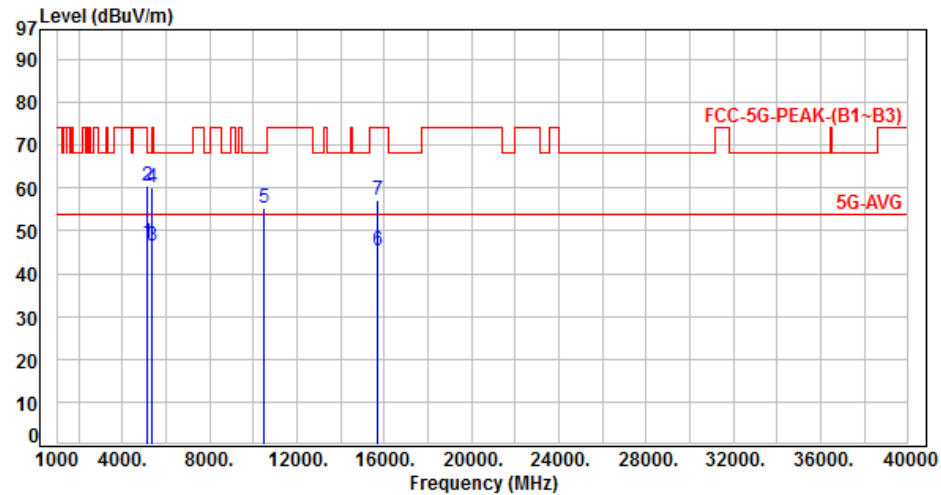
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 1, CH48		:



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	5.72	41.50	47.22	54.00	-6.78	Average	117	13	P
2	5150.00	5.72	54.94	60.66	74.00	-13.34	Peak	117	13	P
3	5350.00	6.12	40.46	46.58	54.00	-7.42	Average	117	13	P
4	5350.00	6.12	54.16	60.28	74.00	-13.72	Peak	117	13	P
5	10480.00	13.03	42.45	55.48	68.20	-12.72	Peak	114	69	P
6	15720.00	14.51	30.80	45.31	54.00	-8.69	Average	121	76	P
7	15720.00	14.51	42.52	57.03	74.00	-16.97	Peak	121	76	P

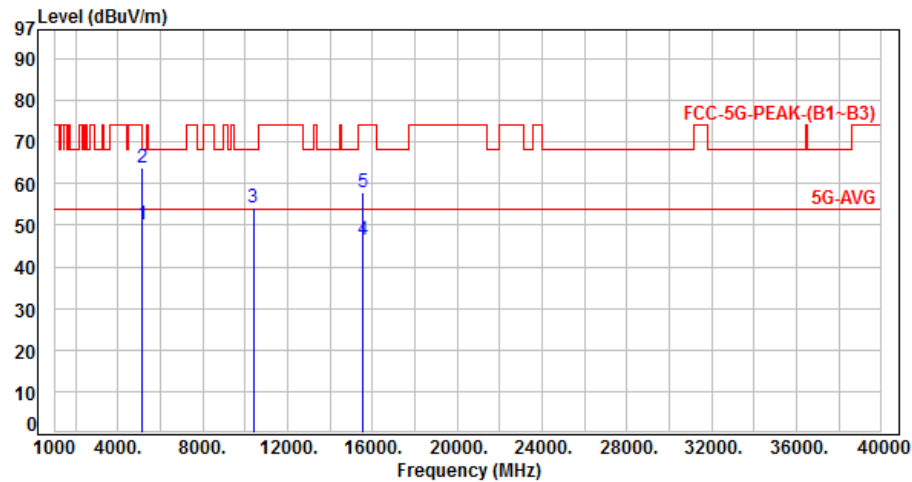
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 1, CH38		:	



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	5.72	44.51	50.23	54.00	-3.77	Average	136	332	P
2	5150.00	5.72	58.26	63.98	74.00	-10.02	Peak	136	332	P
3	10380.00	12.87	41.19	54.06	68.20	-14.14	Peak	153	324	P
4	15570.00	15.05	31.48	46.53	54.00	-7.47	Average	161	346	P
5	15570.00	15.05	42.96	58.01	74.00	-15.99	Peak	161	346	P

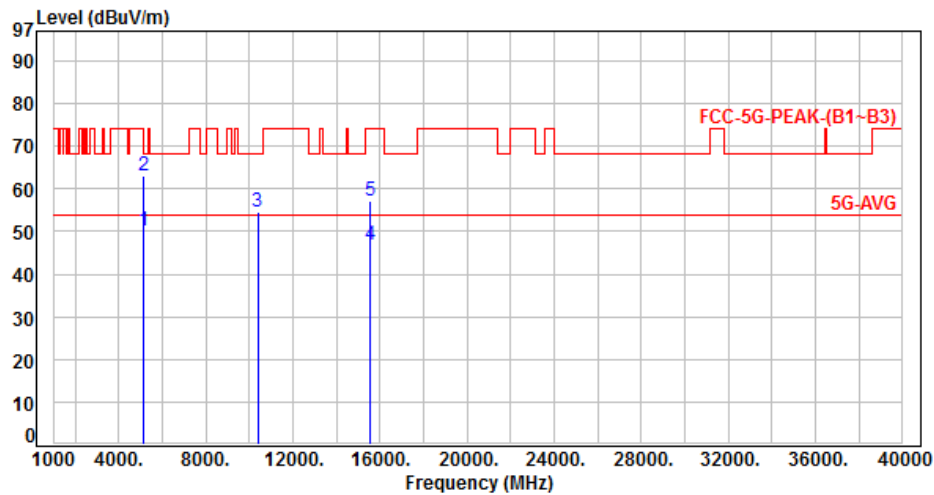
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 1, CH38		:



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	5.72	44.49	50.21	54.00	-3.79	Average	101	43	P
2	5150.00	5.72	57.40	63.12	74.00	-10.88	Peak	101	43	P
3	10380.00	12.87	41.87	54.74	68.20	-13.46	Peak	134	87	P
4	15570.00	15.05	31.64	46.69	54.00	-7.31	Average	122	78	P
5	15570.00	15.05	42.22	57.27	74.00	-16.73	Peak	122	78	P

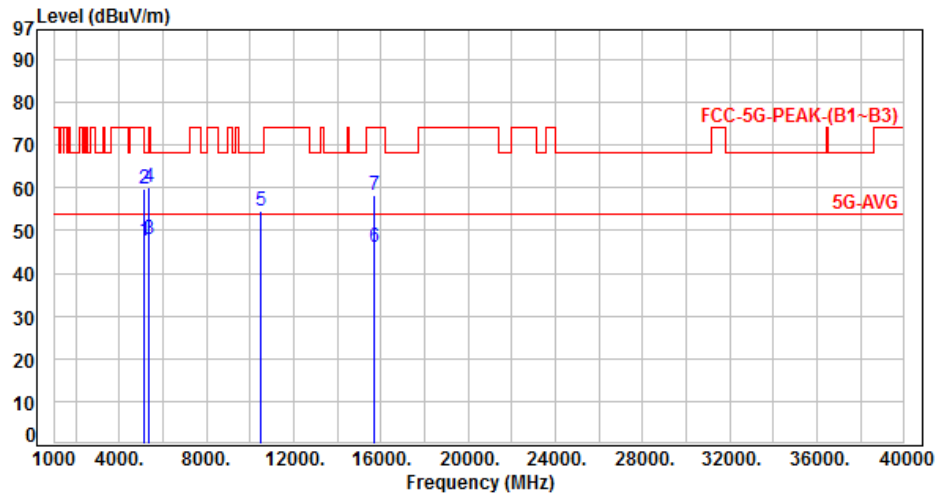
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 1, CH46		:



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	5.72	41.69	47.41	54.00	-6.59	Average	113	330	P
2	5150.00	5.72	54.14	59.86	74.00	-14.14	Peak	113	330	P
3	5350.00	6.12	41.65	47.77	54.00	-6.23	Average	113	330	P
4	5350.00	6.12	53.91	60.03	74.00	-13.97	Peak	113	330	P
5	10460.00	13.00	41.73	54.73	68.20	-13.47	Peak	148	302	P
6	15690.00	14.52	31.56	46.08	54.00	-7.92	Average	157	325	P
7	15690.00	14.52	43.64	58.16	74.00	-15.84	Peak	157	325	P

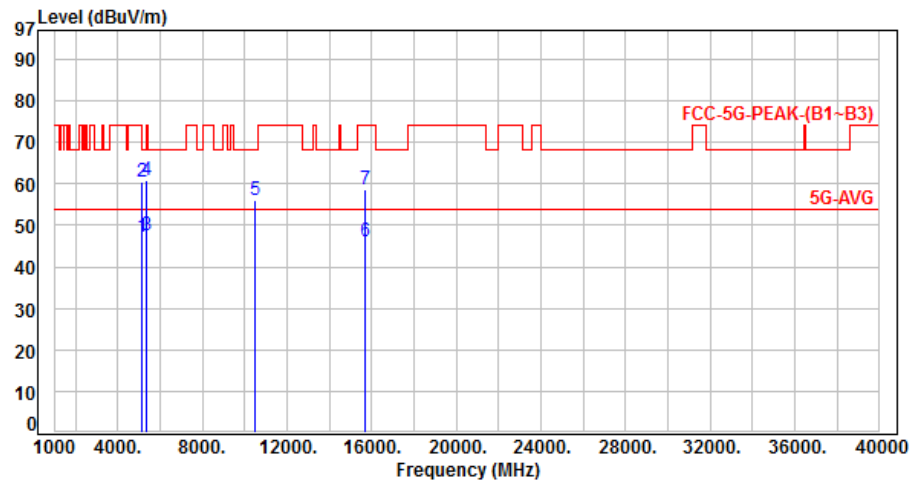
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 1, CH46		:



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	5.72	41.57	47.29	54.00	-6.71	Average	113	14	P
2	5150.00	5.72	54.76	60.48	74.00	-13.52	Peak	113	14	P
3	5350.00	6.12	41.37	47.49	54.00	-6.51	Average	113	14	P
4	5350.00	6.12	54.80	60.92	74.00	-13.08	Peak	113	14	P
5	10460.00	13.00	43.13	56.13	68.20	-12.07	Peak	128	92	P
6	15690.00	14.52	31.74	46.26	54.00	-7.74	Average	118	85	P
7	15690.00	14.52	44.15	58.67	74.00	-15.33	Peak	118	85	P

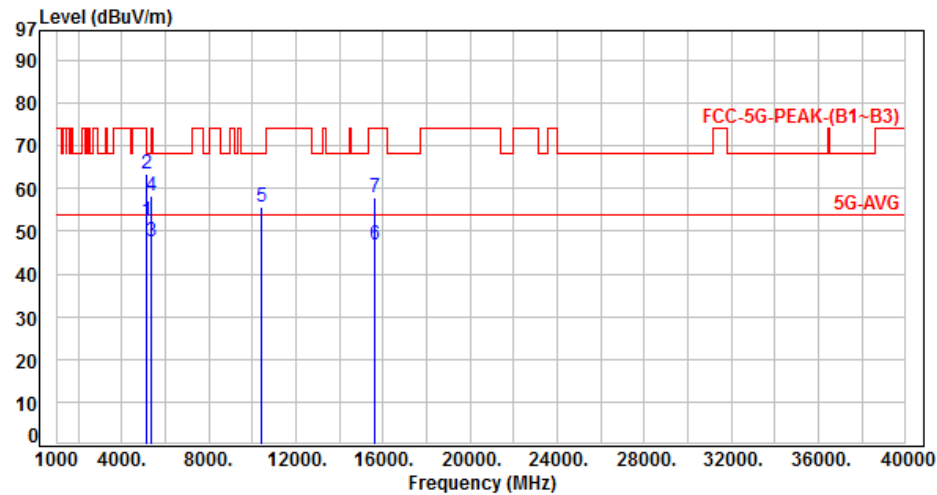
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 1, CH42		:	



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	5.72	46.55	52.27	54.00	-1.73	Average	138	333	P
2	5150.00	5.72	57.79	63.51	74.00	-10.49	Peak	138	333	P
3	5350.00	6.12	41.58	47.70	54.00	-6.30	Average	138	333	P
4	5350.00	6.12	52.09	58.21	74.00	-15.79	Peak	138	333	P
5	10420.00	12.94	42.62	55.56	68.20	-12.64	Peak	124	317	P
6	15630.00	14.74	32.20	46.94	54.00	-7.06	Average	147	345	P
7	15630.00	14.74	43.15	57.89	74.00	-16.11	Peak	147	345	P

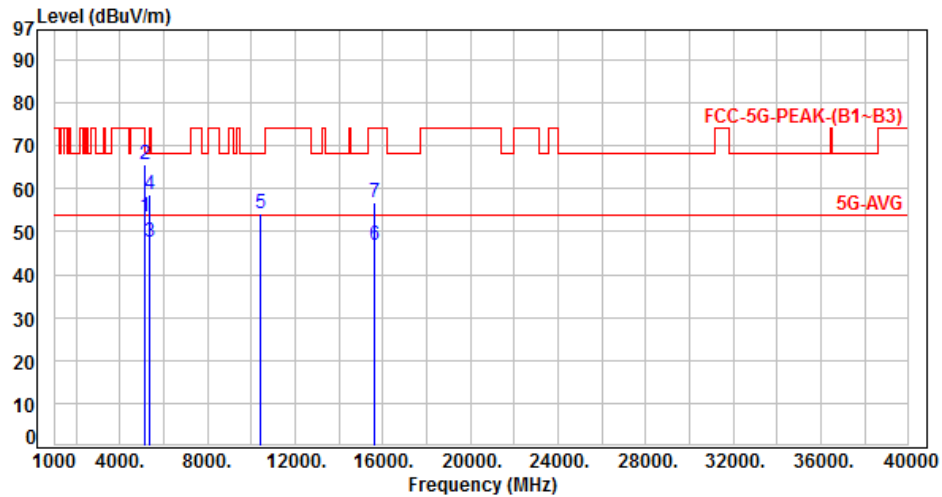
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 1, CH42		:



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	5.72	47.63	53.35	54.00	-0.65	Average	101	45	P
2	5150.00	5.72	60.00	65.72	74.00	-8.28	Peak	101	45	P
3	5350.00	6.12	41.34	47.46	54.00	-6.54	Average	101	45	P
4	5350.00	6.12	52.55	58.67	74.00	-15.33	Peak	101	45	P
5	10420.00	12.94	41.23	54.17	68.20	-14.03	Peak	114	68	P
6	15630.00	14.74	32.21	46.95	54.00	-7.05	Average	109	57	P
7	15630.00	14.74	42.11	56.85	74.00	-17.15	Peak	109	57	P

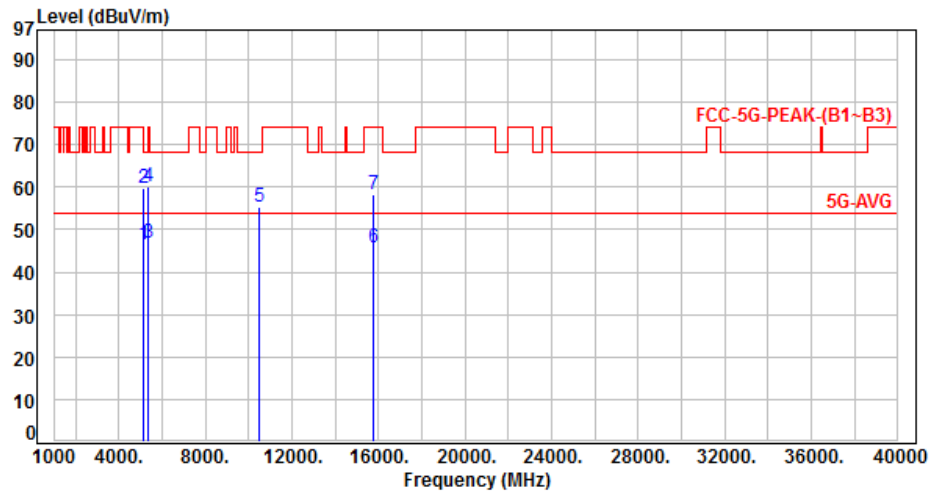
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 2, CH52		:



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	5.72	40.65	46.37	54.00	-7.63	Average	130	329	P
2	5150.00	5.72	54.14	59.86	74.00	-14.14	Peak	130	329	P
3	5350.00	6.12	40.55	46.67	54.00	-7.33	Average	130	329	P
4	5350.00	6.12	53.85	59.97	74.00	-14.03	Peak	130	329	P
5	10520.00	13.12	42.02	55.14	68.20	-13.06	Peak	128	294	P
6	15780.00	14.59	31.22	45.81	54.00	-8.19	Average	133	287	P
7	15780.00	14.59	43.71	58.30	74.00	-15.70	Peak	133	287	P

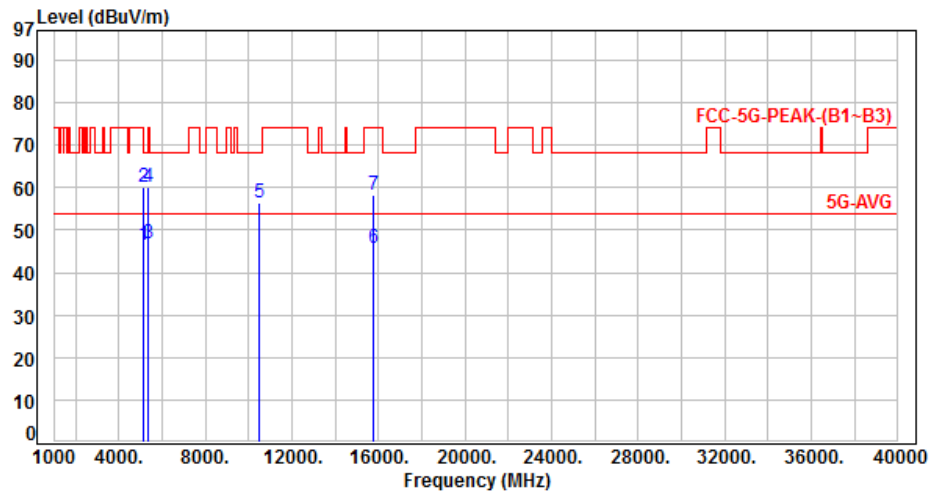
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 2, CH52		:



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	5.72	40.81	46.53	54.00	-7.47	Average	123	14	P
2	5150.00	5.72	54.39	60.11	74.00	-13.89	Peak	123	14	P
3	5350.00	6.12	40.67	46.79	54.00	-7.21	Average	123	14	P
4	5350.00	6.12	54.06	60.18	74.00	-13.82	Peak	123	14	P
5	10520.00	13.12	43.22	56.34	68.20	-11.86	Peak	115	89	P
6	15780.00	14.59	31.00	45.59	54.00	-8.41	Average	108	73	P
7	15780.00	14.59	43.85	58.44	74.00	-15.56	Peak	108	73	P

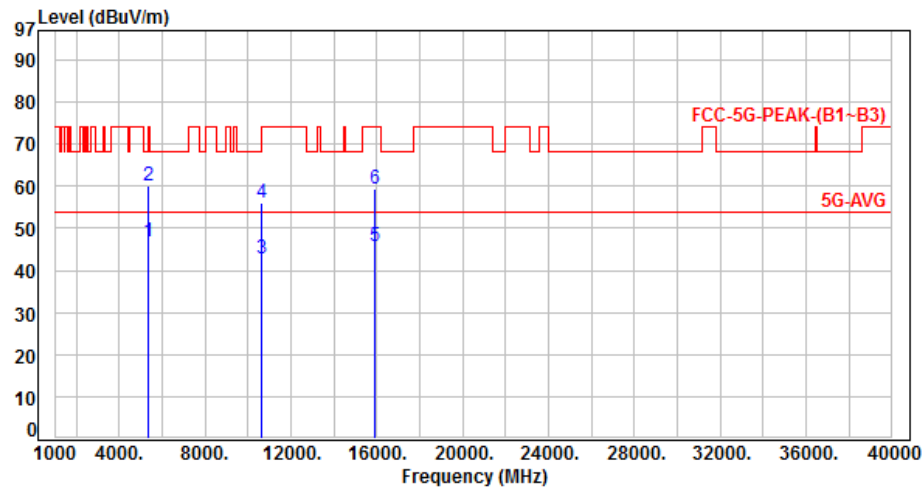
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH60		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	40.75	46.87	54.00	-7.13	Average	190	330	P
2	5350.00	6.12	54.12	60.24	74.00	-13.76	Peak	190	330	P
3	10600.00	13.37	29.47	42.84	54.00	-11.16	Average	125	302	P
4	10600.00	13.37	42.80	56.17	74.00	-17.83	Peak	125	302	P
5	15900.00	14.35	31.53	45.88	54.00	-8.12	Average	138	294	P
6	15900.00	14.35	44.88	59.23	74.00	-14.77	Peak	138	294	P

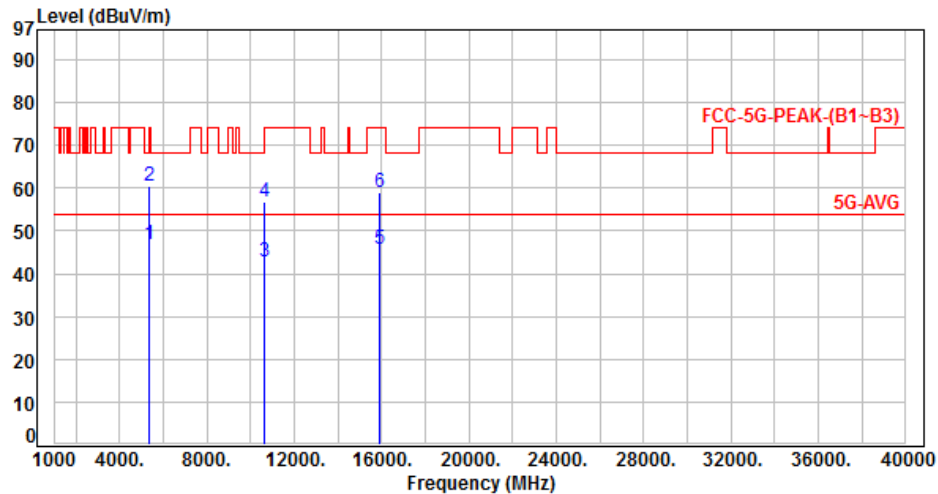
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 2, CH60		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	40.62	46.74	54.00	-7.26	Average	110	13	P
2	5350.00	6.12	54.37	60.49	74.00	-13.51	Peak	110	13	P
3	10600.00	13.37	29.42	42.79	54.00	-11.21	Average	100	84	P
4	10600.00	13.37	43.47	56.84	74.00	-17.16	Peak	100	84	P
5	15900.00	14.35	31.46	45.81	54.00	-8.19	Average	112	79	P
6	15900.00	14.35	44.77	59.12	74.00	-14.88	Peak	112	79	P

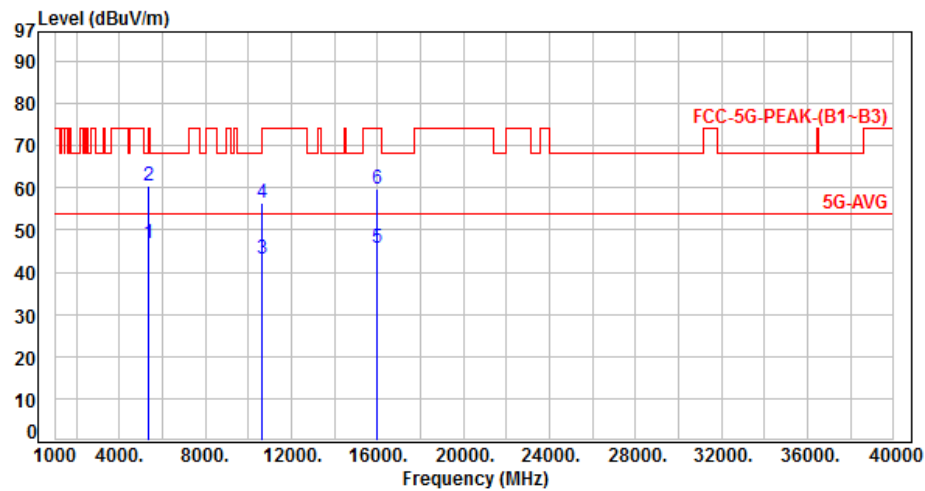
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH64		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	40.80	46.92	54.00	-7.08	Average	170	327	P
2	5350.00	6.12	54.25	60.37	74.00	-13.63	Peak	170	327	P
3	10640.00	13.38	29.72	43.10	54.00	-10.90	Average	116	315	P
4	10640.00	13.38	43.21	56.59	74.00	-17.41	Peak	116	315	P
5	15960.00	14.25	31.37	45.62	54.00	-8.38	Average	125	289	P
6	15960.00	14.25	45.37	59.62	74.00	-14.38	Peak	125	289	P

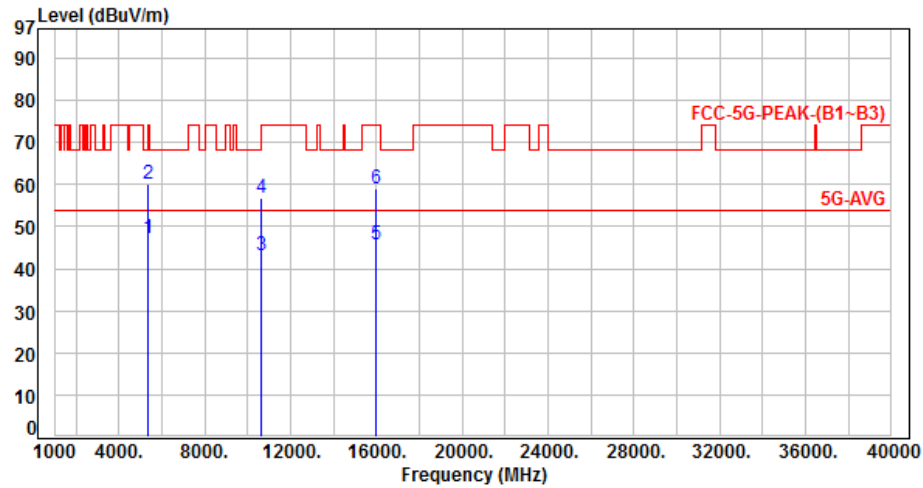
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 2, CH64		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	40.92	47.04	54.00	-6.96	Average	100	13	P
2	5350.00	6.12	54.05	60.17	74.00	-13.83	Peak	100	13	P
3	10640.00	13.38	29.63	43.01	54.00	-10.99	Average	108	92	P
4	10640.00	13.38	43.50	56.88	74.00	-17.12	Peak	108	92	P
5	15960.00	14.25	31.35	45.60	54.00	-8.40	Average	115	81	P
6	15960.00	14.25	44.87	59.12	74.00	-14.88	Peak	115	81	P

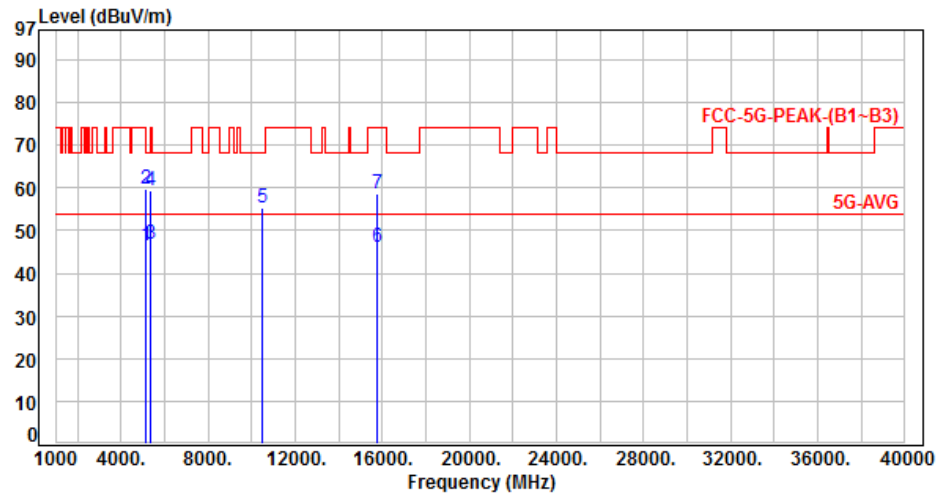
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 2, CH52		:



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	5.72	40.80	46.52	54.00	-7.48	Average	104	329	P
2	5150.00	5.72	53.89	59.61	74.00	-14.39	Peak	104	329	P
3	5350.00	6.12	40.86	46.98	54.00	-7.02	Average	104	329	P
4	5350.00	6.12	53.40	59.52	74.00	-14.48	Peak	104	329	P
5	10520.00	13.12	42.23	55.35	68.20	-12.85	Peak	123	288	P
6	15780.00	14.59	31.33	45.92	54.00	-8.08	Average	126	293	P
7	15780.00	14.59	43.93	58.52	74.00	-15.48	Peak	126	293	P

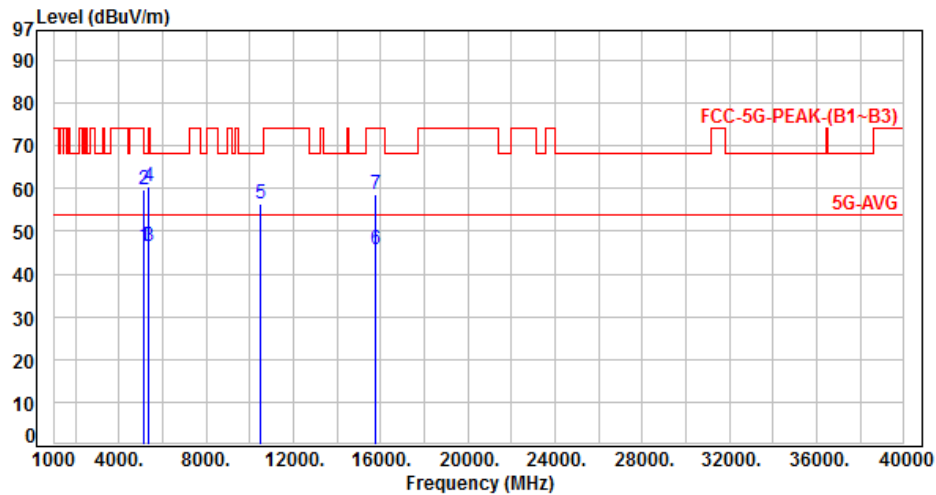
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 2, CH52		:



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	5.72	40.69	46.41	54.00	-7.59	Average	111	17	P
2	5150.00	5.72	54.13	59.85	74.00	-14.15	Peak	111	17	P
3	5350.00	6.12	40.52	46.64	54.00	-7.36	Average	111	17	P
4	5350.00	6.12	54.20	60.32	74.00	-13.68	Peak	111	17	P
5	10520.00	13.12	43.40	56.52	68.20	-11.68	Peak	112	86	P
6	15780.00	14.59	31.15	45.74	54.00	-8.26	Average	100	82	P
7	15780.00	14.59	43.96	58.55	74.00	-15.45	Peak	100	82	P

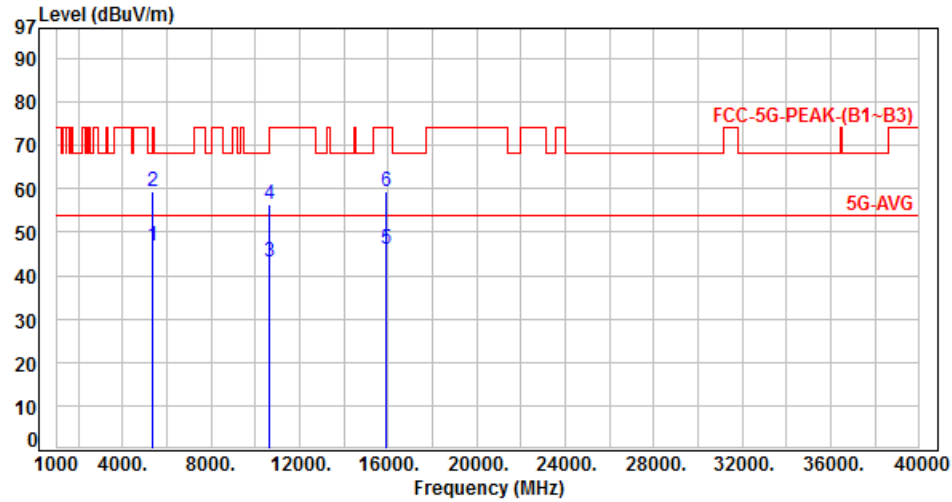
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 2, CH60		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	40.85	46.97	54.00	-7.03	Average	126	328	P
2	5350.00	6.12	53.14	59.26	74.00	-14.74	Peak	126	328	P
3	10600.00	13.37	29.63	43.00	54.00	-11.00	Average	122	305	P
4	10600.00	13.37	42.99	56.36	74.00	-17.64	Peak	122	305	P
5	15900.00	14.35	31.67	46.02	54.00	-7.98	Average	136	298	P
6	15900.00	14.35	45.10	59.45	74.00	-14.55	Peak	136	298	P

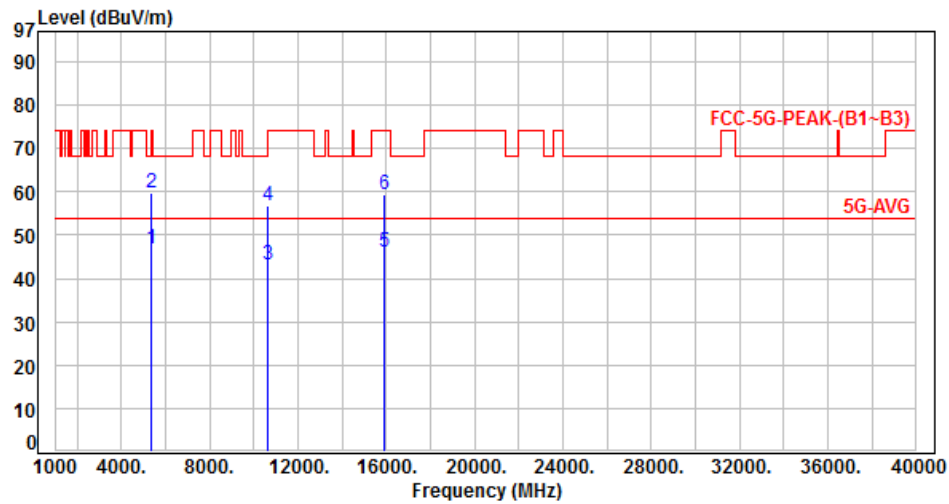
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 2, CH60		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	40.66	46.78	54.00	-7.22	Average	109	12	P
2	5350.00	6.12	53.54	59.66	74.00	-14.34	Peak	109	12	P
3	10600.00	13.37	29.63	43.00	54.00	-11.00	Average	102	93	P
4	10600.00	13.37	43.59	56.96	74.00	-17.04	Peak	102	93	P
5	15900.00	14.35	31.62	45.97	54.00	-8.03	Average	110	81	P
6	15900.00	14.35	44.95	59.30	74.00	-14.70	Peak	110	81	P

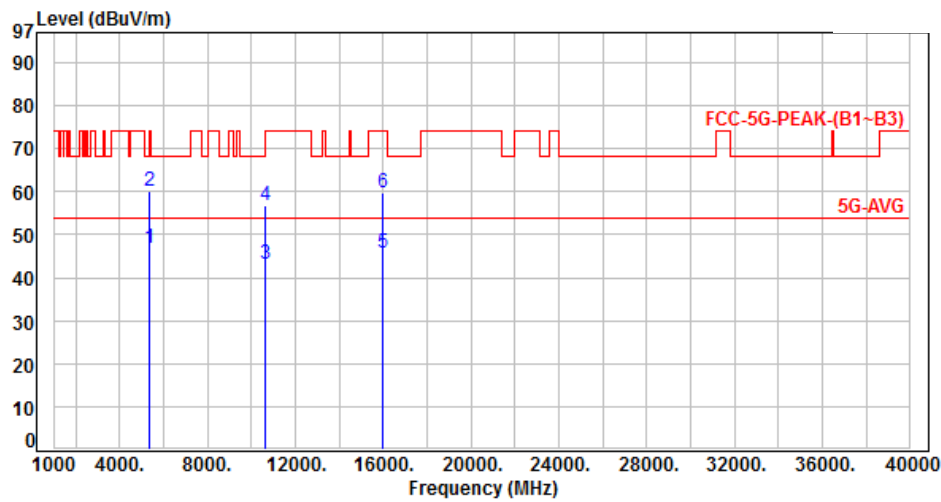
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 2, CH64		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	40.78	46.90	54.00	-7.10	Average	201	328	P
2	5350.00	6.12	53.84	59.96	74.00	-14.04	Peak	201	328	P
3	10640.00	13.38	29.83	43.21	54.00	-10.79	Average	114	308	P
4	10640.00	13.38	43.34	56.72	74.00	-17.28	Peak	114	308	P
5	15960.00	14.25	31.53	45.78	54.00	-8.22	Average	121	296	P
6	15960.00	14.25	45.51	59.76	74.00	-14.24	Peak	121	296	P

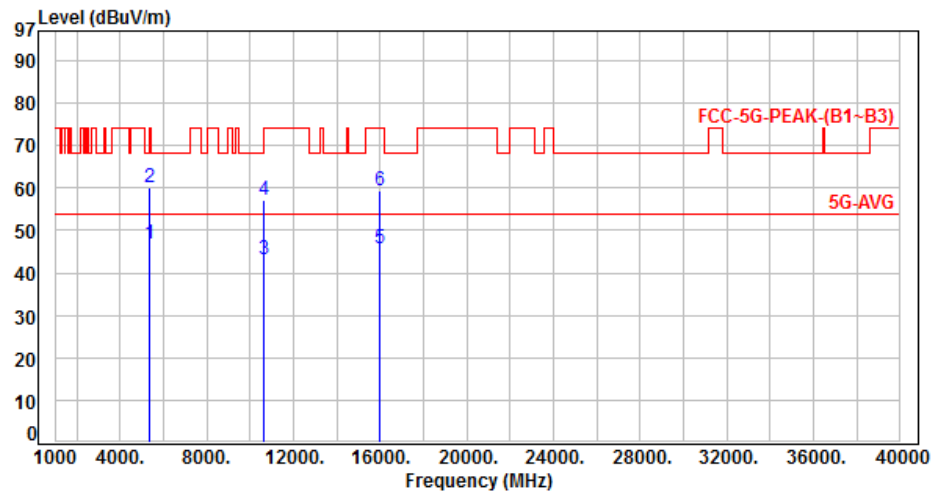
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 2, CH64		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	40.78	46.90	54.00	-7.10	Average	108	9	P
2	5350.00	6.12	54.01	60.13	74.00	-13.87	Peak	108	9	P
3	10640.00	13.38	29.86	43.24	54.00	-10.76	Average	105	97	P
4	10640.00	13.38	43.72	57.10	74.00	-16.90	Peak	105	97	P
5	15960.00	14.25	31.55	45.80	54.00	-8.20	Average	113	84	P
6	15960.00	14.25	45.11	59.36	74.00	-14.64	Peak	113	84	P

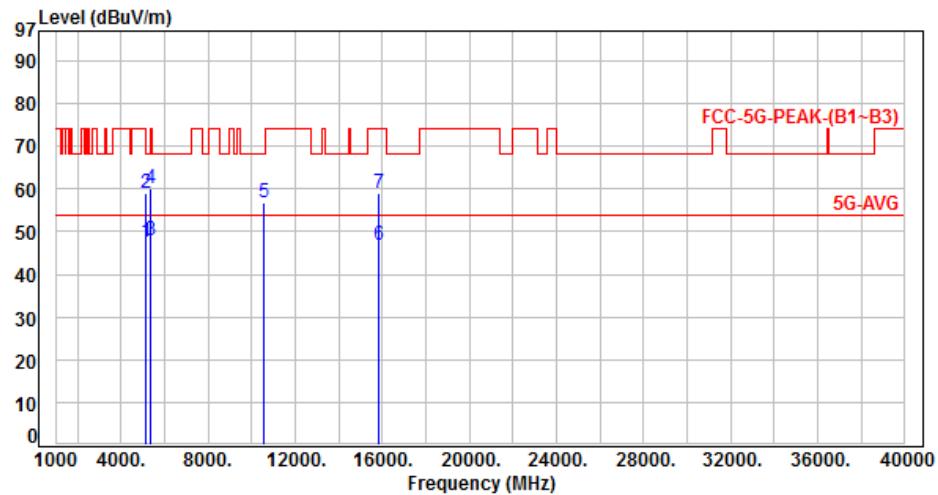
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 2, CH54		:	



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	5.72	41.93	47.65	54.00	-6.35	Average	142	325	P
2	5150.00	5.72	53.44	59.16	74.00	-14.84	Peak	142	325	P
3	5350.00	6.12	41.69	47.81	54.00	-6.19	Average	142	325	P
4	5350.00	6.12	53.85	59.97	74.00	-14.03	Peak	142	325	P
5	10540.00	13.18	43.49	56.67	68.20	-11.53	Peak	132	315	P
6	15810.00	14.59	32.16	46.75	54.00	-7.25	Average	128	304	P
7	15810.00	14.59	44.55	59.14	74.00	-14.86	Peak	128	304	P

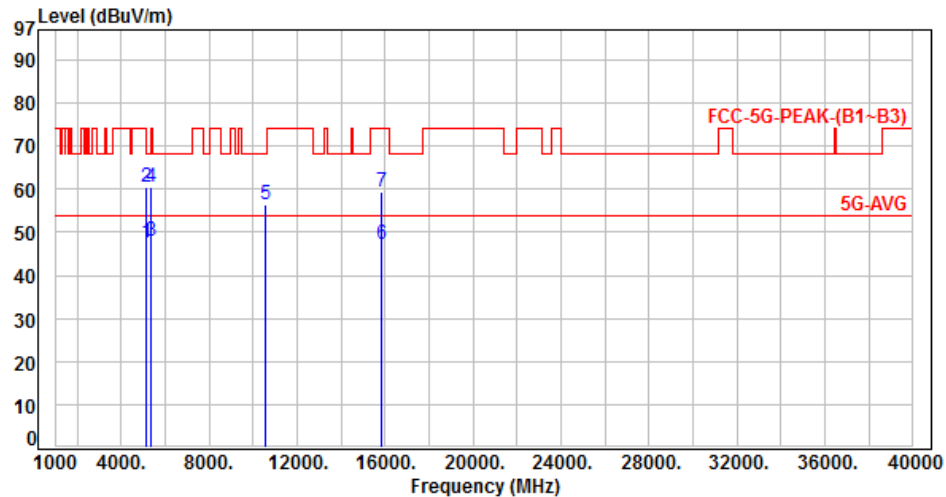
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 2, CH54		:



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	5.72	41.70	47.42	54.00	-6.58	Average	129	13	P
2	5150.00	5.72	54.77	60.49	74.00	-13.51	Peak	129	13	P
3	5350.00	6.12	41.95	48.07	54.00	-5.93	Average	129	13	P
4	5350.00	6.12	54.53	60.65	74.00	-13.35	Peak	129	13	P
5	10540.00	13.18	43.35	56.53	68.20	-11.67	Peak	108	87	P
6	15810.00	14.59	32.47	47.06	54.00	-6.94	Average	102	79	P
7	15810.00	14.59	44.69	59.28	74.00	-14.72	Peak	102	79	P

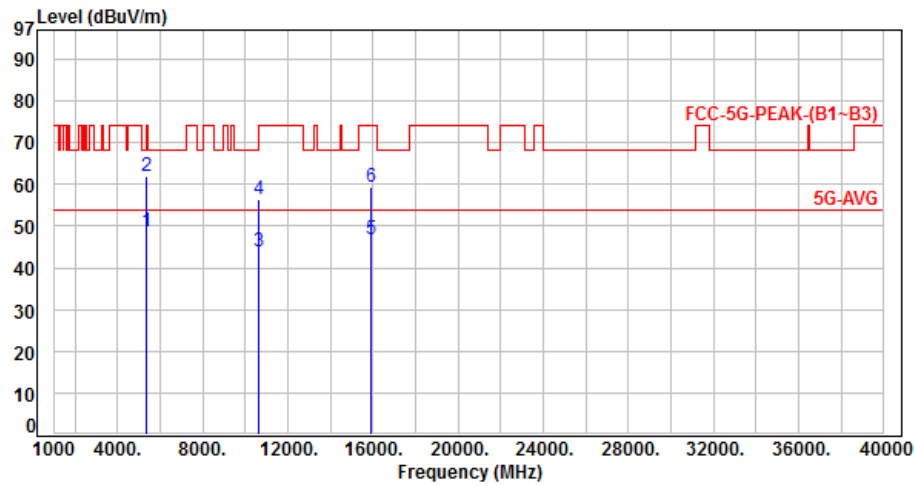
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 2, CH62		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	42.58	48.70	54.00	-5.30	Average	139	329	P
2	5350.00	6.12	55.99	62.11	74.00	-11.89	Peak	139	329	P
3	10620.00	13.37	30.67	44.04	54.00	-9.96	Average	124	306	P
4	10620.00	13.37	43.21	56.58	74.00	-17.42	Peak	124	306	P
5	15930.00	14.30	32.40	46.70	54.00	-7.30	Average	129	312	P
6	15930.00	14.30	45.25	59.55	74.00	-14.45	Peak	129	312	P

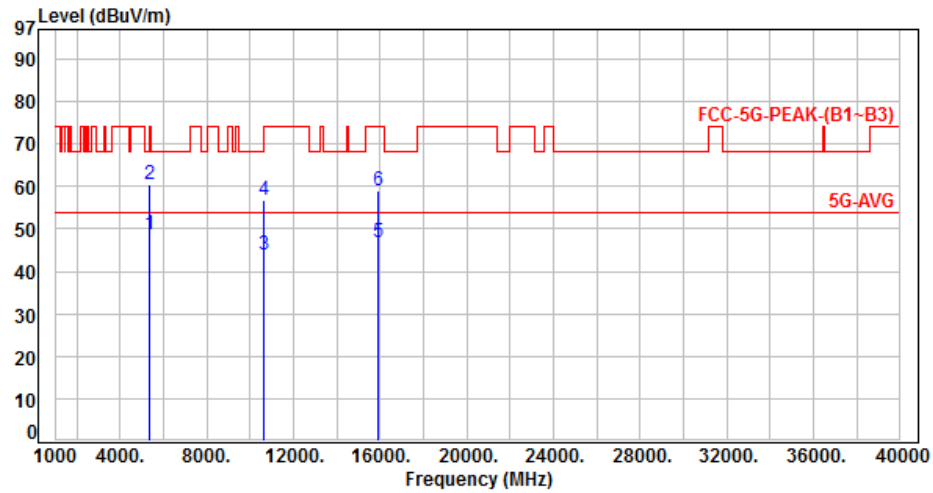
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 2, CH62		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	6.12	42.72	48.84	54.00	-5.16	Average	103	13	P
2	5350.00	6.12	54.53	60.65	74.00	-13.35	Peak	103	13	P
3	10620.00	13.37	30.52	43.89	54.00	-10.11	Average	112	85	P
4	10620.00	13.37	43.47	56.84	74.00	-17.16	Peak	112	85	P
5	15930.00	14.30	32.51	46.81	54.00	-7.19	Average	116	68	P
6	15930.00	14.30	44.60	58.90	74.00	-15.10	Peak	116	68	P

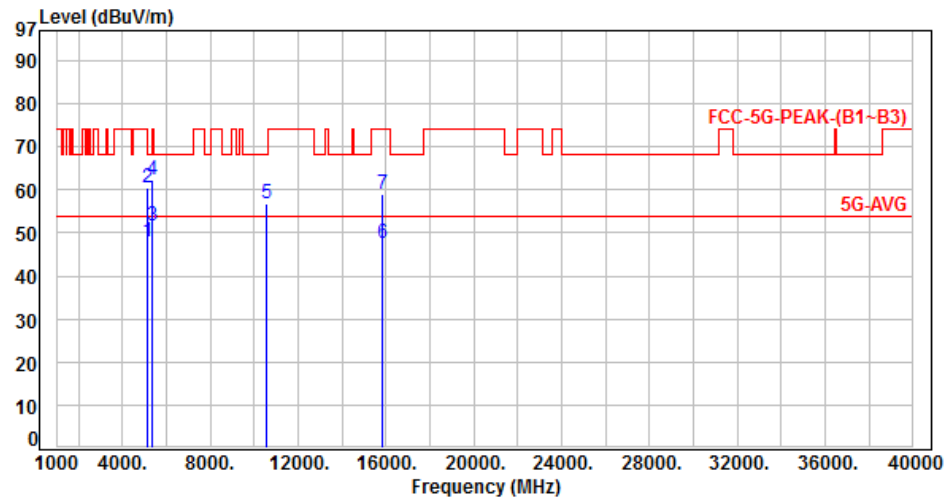
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 2, CH58		:	



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	5.72	42.35	48.07	54.00	-5.93	Average	112	327	P
2	5150.00	5.72	54.63	60.35	74.00	-13.65	Peak	112	327	P
3	5350.00	6.12	45.34	51.46	54.00	-2.54	Average	112	327	P
4	5350.00	6.12	56.32	62.44	74.00	-11.56	Peak	112	327	P
5	10580.00	13.30	43.56	56.86	68.20	-11.34	Peak	139	312	P
6	15870.00	14.43	33.20	47.63	54.00	-6.37	Average	132	309	P
7	15870.00	14.43	44.58	59.01	74.00	-14.99	Peak	132	309	P

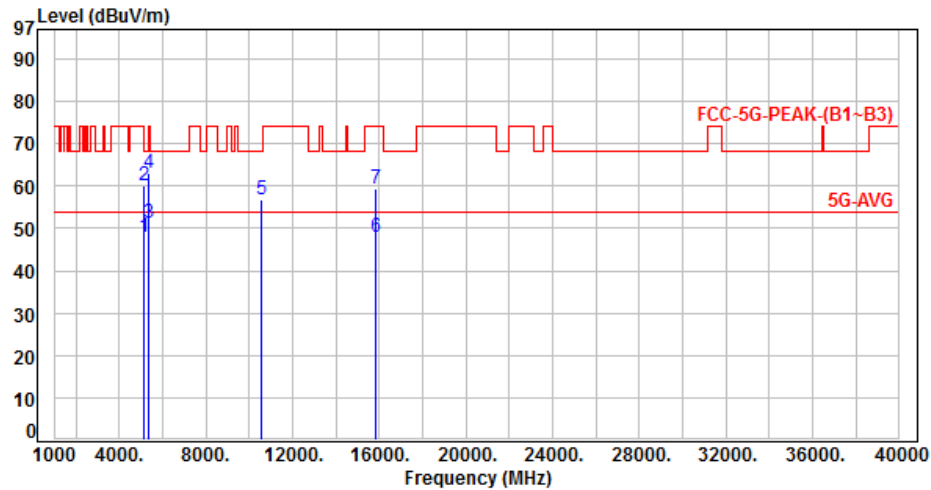
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 2, CH58		:



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	5.72	42.24	47.96	54.00	-6.04	Average	111	6	P
2	5150.00	5.72	54.24	59.96	74.00	-14.04	Peak	111	6	P
3	5350.00	6.12	45.16	51.28	54.00	-2.72	Average	111	6	P
4	5350.00	6.12	56.83	62.95	74.00	-11.05	Peak	111	6	P
5	10580.00	13.30	43.45	56.75	68.20	-11.45	Peak	100	84	P
6	15870.00	14.43	33.64	48.07	54.00	-5.93	Average	106	71	P
7	15870.00	14.43	44.93	59.36	74.00	-14.64	Peak	106	71	P

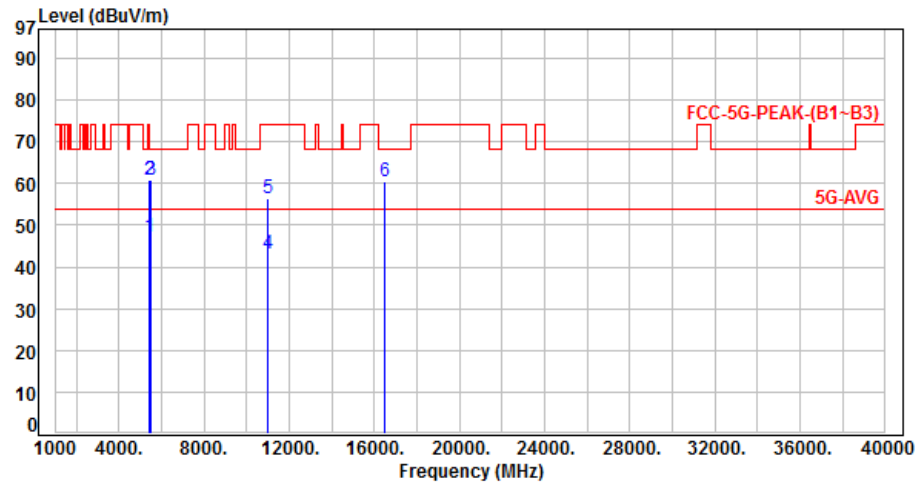
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 3, CH100		:



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	6.32	40.91	47.23	54.00	-6.77	Average	168	78	P
2	5460.00	6.32	54.57	60.89	74.00	-13.11	Peak	168	78	P
3	5470.00	6.34	54.67	61.01	68.20	-7.19	Peak	168	78	P
4	11000.00	13.81	29.30	43.11	54.00	-10.89	Average	119	303	P
5	11000.00	13.81	42.68	56.49	74.00	-17.51	Peak	119	303	P
6	16500.00	15.83	44.60	60.43	68.20	-7.77	Peak	124	311	P

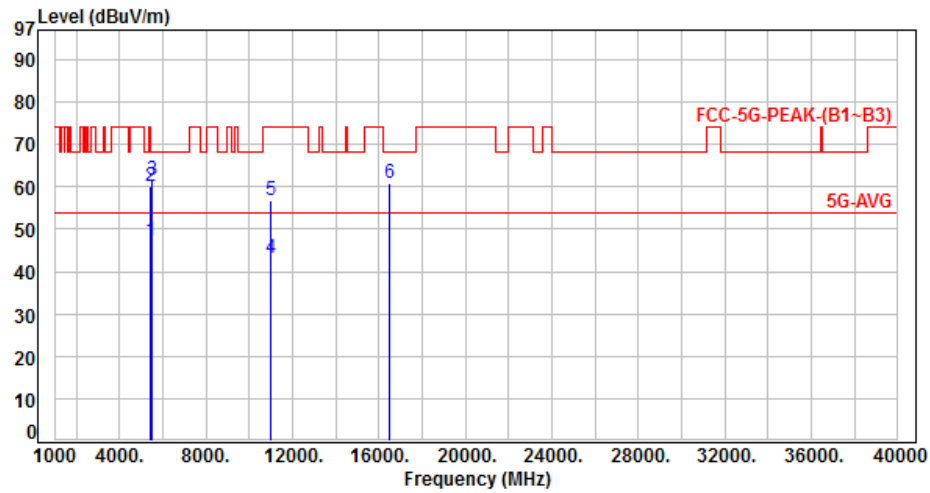
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 3, CH100		:



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	6.32	40.86	47.18	54.00	-6.82	Average	150	285	P
2	5460.00	6.32	53.84	60.16	74.00	-13.84	Peak	150	285	P
3	5470.00	6.34	55.10	61.44	68.20	-6.76	Peak	150	285	P
4	11000.00	13.81	29.44	43.25	54.00	-10.75	Average	106	88	P
5	11000.00	13.81	42.82	56.63	74.00	-17.37	Peak	106	88	P
6	16500.00	15.83	44.90	60.73	68.20	-7.47	Peak	114	81	P

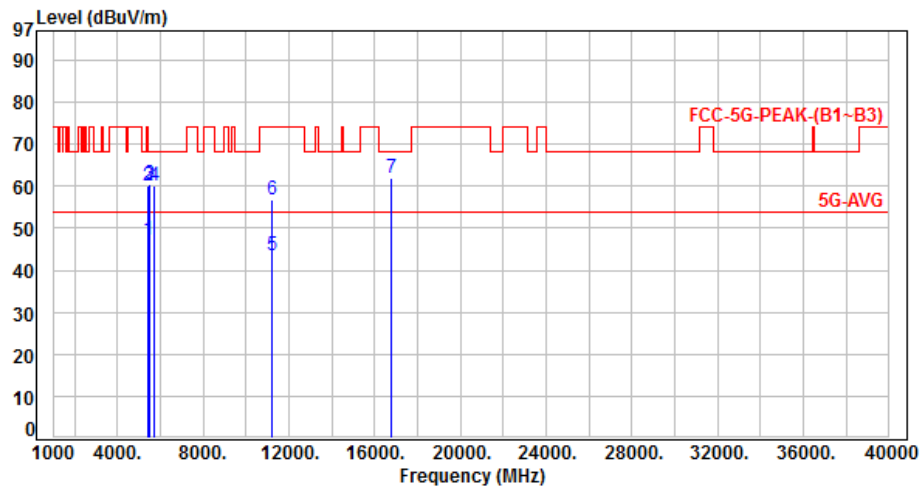
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH120		:	



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	6.32	40.95	47.27	54.00	-6.73	Average	242	81	P
2	5460.00	6.32	53.71	60.03	74.00	-13.97	Peak	242	81	P
3	5470.00	6.34	54.29	60.63	68.20	-7.57	Peak	242	81	P
4	5725.00	6.32	53.76	60.08	68.20	-8.12	Peak	242	81	P
5	11200.00	14.09	29.53	43.62	54.00	-10.38	Average	142	296	P
6	11200.00	14.09	42.84	56.93	74.00	-17.07	Peak	142	296	P
7	16800.00	17.95	43.93	61.88	68.20	-6.32	Peak	134	312	P

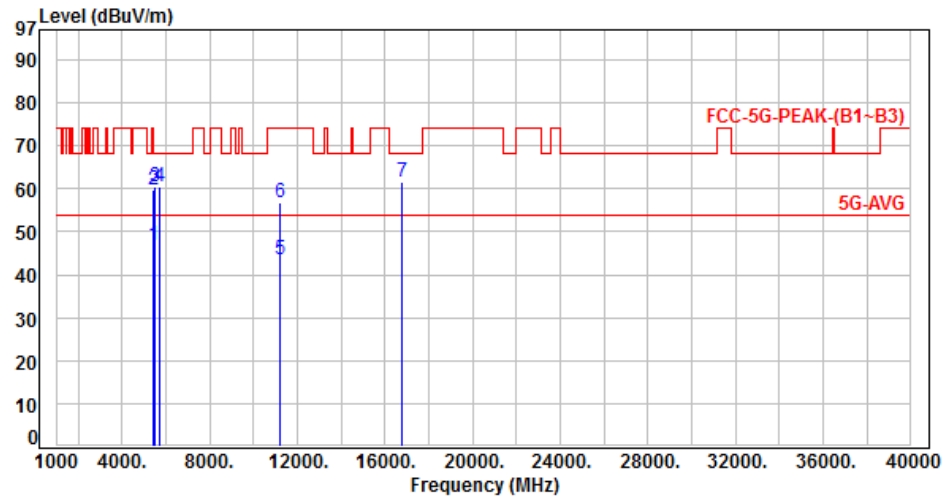
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 3, CH120		:



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	6.32	40.67	46.99	54.00	-7.01	Average	158	284	P
2	5460.00	6.32	53.53	59.85	74.00	-14.15	Peak	158	284	P
3	5470.00	6.34	54.31	60.65	68.20	-7.55	Peak	158	284	P
4	5725.00	6.32	54.13	60.45	68.20	-7.75	Peak	158	284	P
5	11200.00	14.09	29.48	43.57	54.00	-10.43	Average	104	91	P
6	11200.00	14.09	42.55	56.64	74.00	-17.36	Peak	104	91	P
7	16800.00	17.95	43.78	61.73	68.20	-6.47	Peak	100	85	P

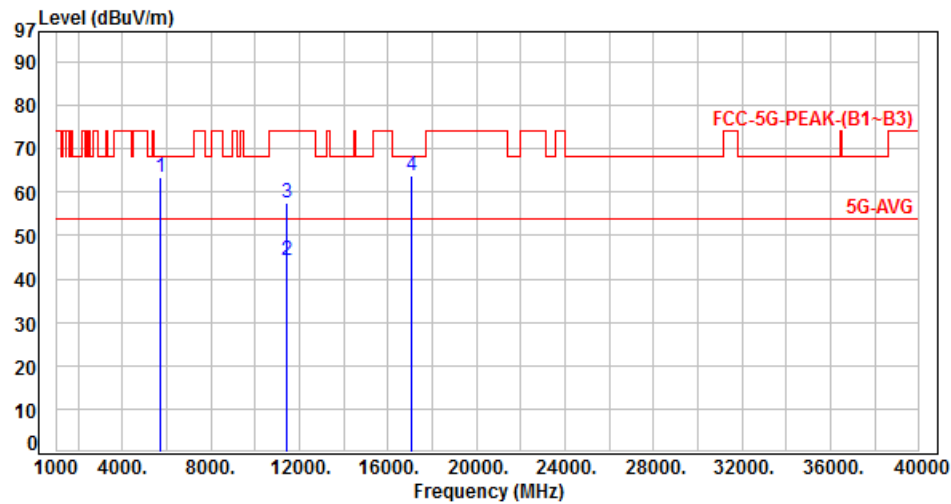
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH140		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	6.32	57.13	63.45	68.20	-4.75	Peak	100	259	P
2	11400.00	14.29	30.05	44.34	54.00	-9.66	Average	122	298	P
3	11400.00	14.29	43.25	57.54	74.00	-16.46	Peak	122	298	P
4	17100.00	19.40	44.37	63.77	68.20	-4.43	Peak	128	303	P

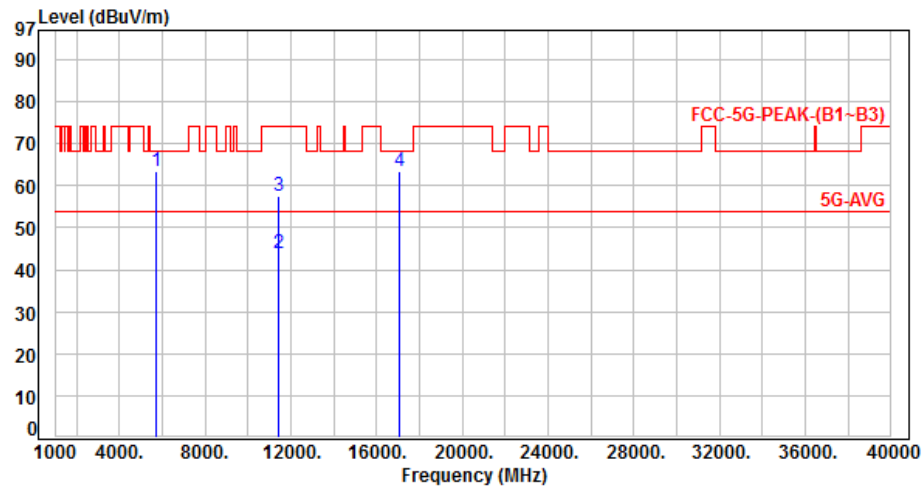
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 3, CH140		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	6.32	57.29	63.61	68.20	-4.59	Peak	149	284	P
2	11400.00	14.29	29.73	44.02	54.00	-9.98	Average	108	94	P
3	11400.00	14.29	43.32	57.61	74.00	-16.39	Peak	108	94	P
4	17100.00	19.40	43.92	63.32	68.20	-4.88	Peak	112	75	P

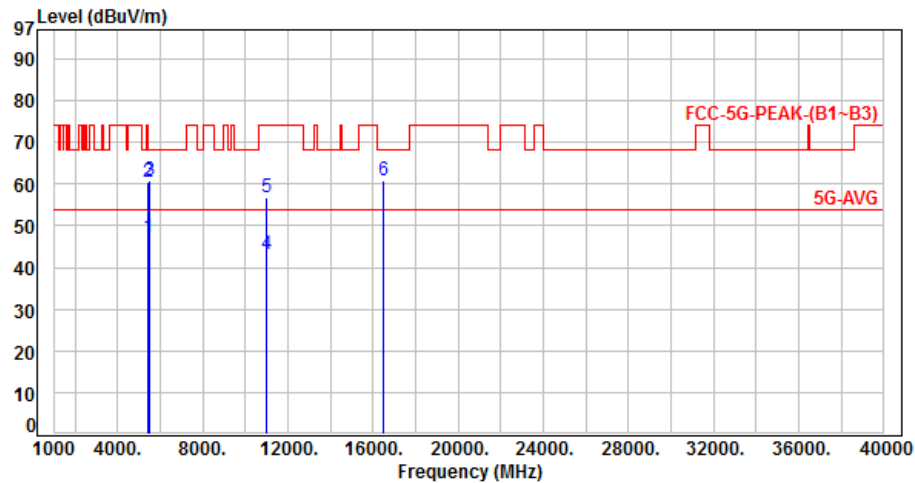
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 3, CH100		:



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	6.32	40.83	47.15	54.00	-6.85	Average	101	331	P
2	5460.00	6.32	54.29	60.61	74.00	-13.39	Peak	101	331	P
3	5470.00	6.34	54.49	60.83	68.20	-7.37	Peak	101	331	P
4	11000.00	13.81	29.35	43.16	54.00	-10.84	Average	115	301	P
5	11000.00	13.81	42.86	56.67	74.00	-17.33	Peak	115	301	P
6	16500.00	15.83	44.87	60.70	68.20	-7.50	Peak	128	305	P

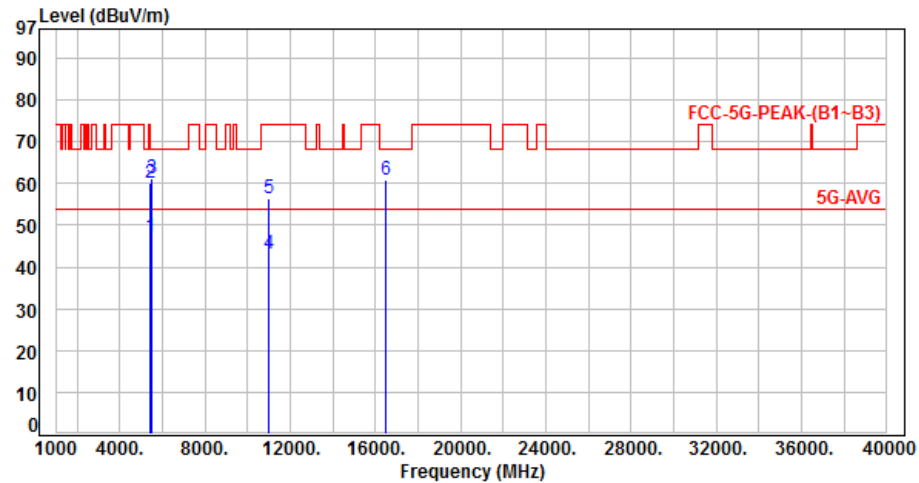
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 3, CH100		:



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	6.32	40.90	47.22	54.00	-6.78	Average	112	286	P
2	5460.00	6.32	53.97	60.29	74.00	-13.71	Peak	112	286	P
3	5470.00	6.34	55.03	61.37	68.20	-6.83	Peak	112	286	P
4	11000.00	13.81	29.32	43.13	54.00	-10.87	Average	104	83	P
5	11000.00	13.81	42.75	56.56	74.00	-17.44	Peak	104	83	P
6	16500.00	15.83	45.06	60.89	68.20	-7.31	Peak	112	84	P

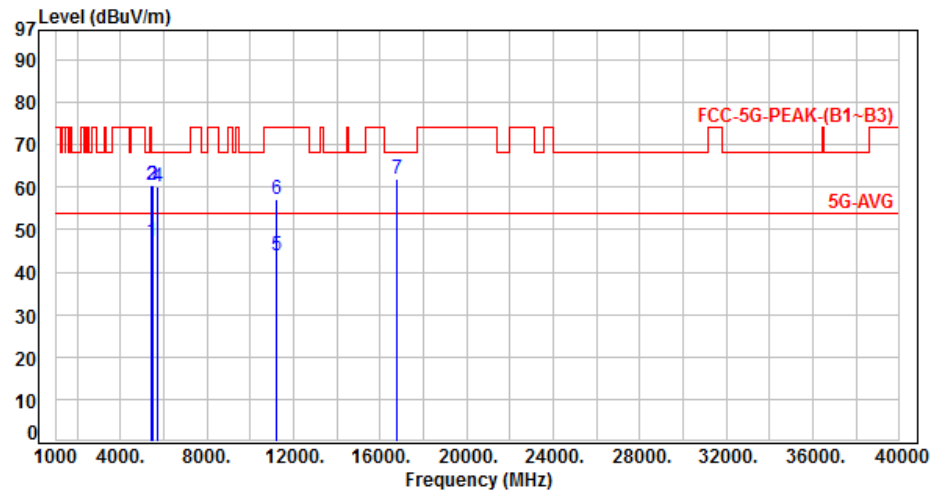
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 3, CH120		:



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	6.32	40.80	47.12	54.00	-6.88	Average	295	77	P
2	5460.00	6.32	54.31	60.63	74.00	-13.37	Peak	295	77	P
3	5470.00	6.34	54.17	60.51	68.20	-7.69	Peak	295	77	P
4	5725.00	6.32	53.85	60.17	68.20	-8.03	Peak	295	77	P
5	11200.00	14.09	29.65	43.74	54.00	-10.26	Average	134	300	P
6	11200.00	14.09	42.97	57.06	74.00	-16.94	Peak	134	300	P
7	16800.00	17.95	44.13	62.08	68.20	-6.12	Peak	141	295	P

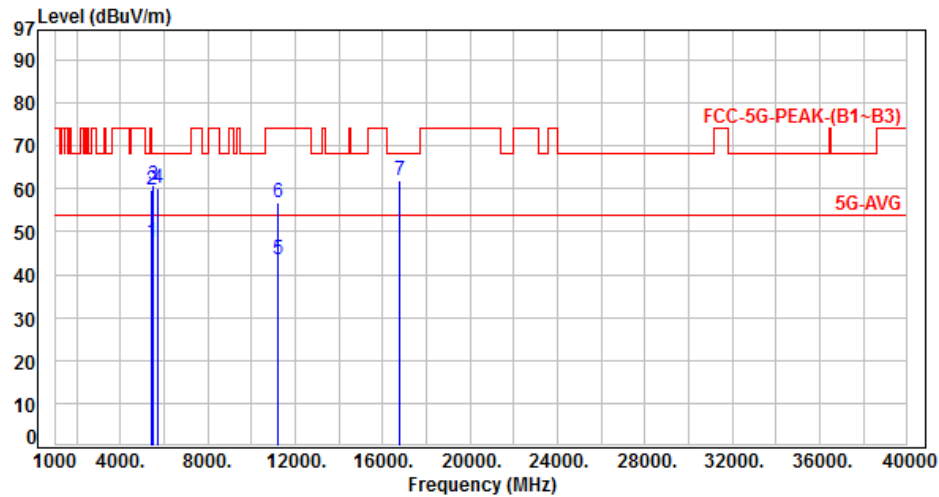
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 3, CH120		:



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	6.32	41.08	47.40	54.00	-6.60	Average	138	285	P
2	5460.00	6.32	53.36	59.68	74.00	-14.32	Peak	138	285	P
3	5470.00	6.34	54.41	60.75	68.20	-7.45	Peak	138	285	P
4	5725.00	6.32	53.82	60.14	68.20	-8.06	Peak	138	285	P
5	11200.00	14.09	29.57	43.66	54.00	-10.34	Average	100	89	P
6	11200.00	14.09	42.66	56.75	74.00	-17.25	Peak	100	89	P
7	16800.00	17.95	43.89	61.84	68.20	-6.36	Peak	102	81	P

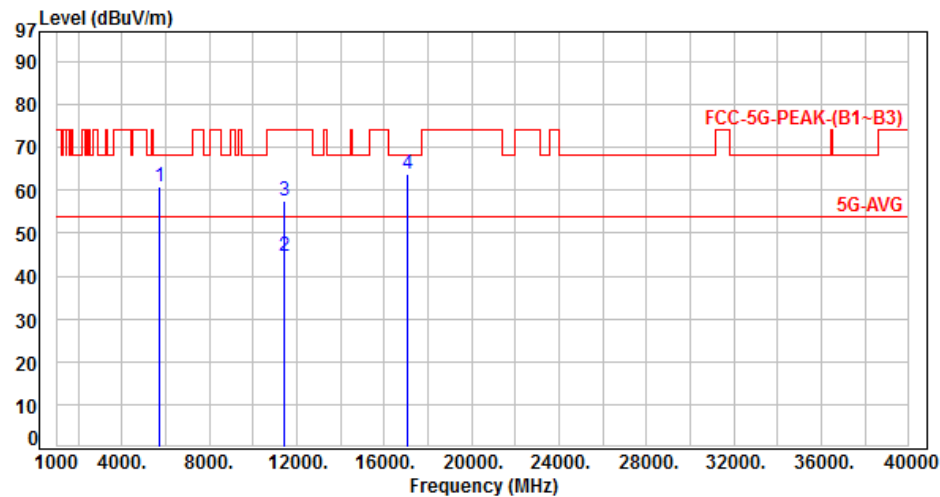
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 3, CH140		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	6.32	54.56	60.88	68.20	-7.32	Peak	103	258	P
2	11400.00	14.29	30.17	44.46	54.00	-9.54	Average	118	289	P
3	11400.00	14.29	43.33	57.62	74.00	-16.38	Peak	118	289	P
4	17100.00	19.40	44.46	63.86	68.20	-4.34	Peak	124	305	P

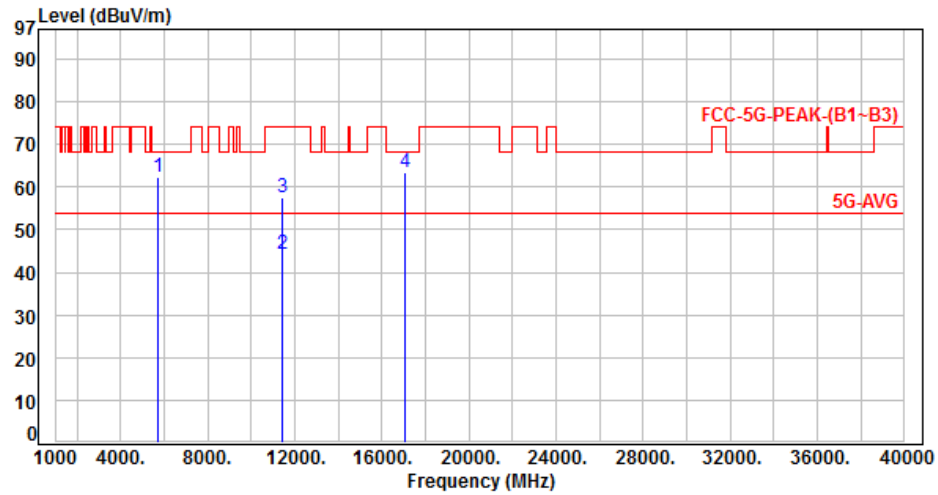
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 3, CH140		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	6.32	55.91	62.23	68.20	-5.97	Peak	110	288	P
2	11400.00	14.29	29.82	44.11	54.00	-9.89	Average	104	92	P
3	11400.00	14.29	43.21	57.50	74.00	-16.50	Peak	104	92	P
4	17100.00	19.40	44.12	63.52	68.20	-4.68	Peak	100	79	P

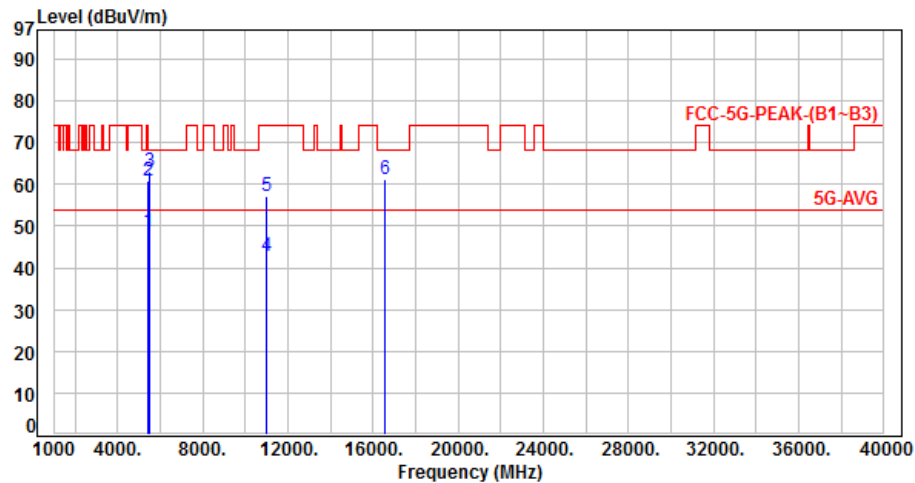
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH102		:	



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	6.32	42.41	48.73	54.00	-5.27	Average	261	81	P
2	5460.00	6.32	54.70	61.02	74.00	-12.98	Peak	261	81	P
3	5470.00	6.34	56.75	63.09	68.20	-5.11	Peak	261	81	P
4	11020.00	13.84	28.83	42.67	54.00	-11.33	Average	100	305	P
5	11020.00	13.84	43.27	57.11	74.00	-16.89	Peak	100	305	P
6	16530.00	16.08	44.99	61.07	68.20	-7.13	Peak	110	300	P

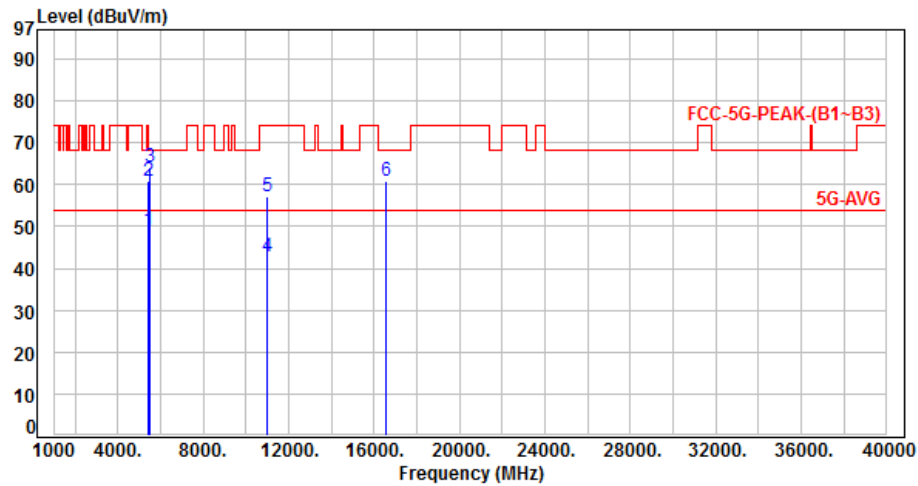
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 3, CH102		:



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	6.32	42.56	48.88	54.00	-5.12	Average	137	284	P
2	5460.00	6.32	54.49	60.81	74.00	-13.19	Peak	137	284	P
3	5470.00	6.34	57.66	64.00	68.20	-4.20	Peak	137	284	P
4	11020.00	13.84	28.87	42.71	54.00	-11.29	Average	105	82	P
5	11020.00	13.84	43.23	57.07	74.00	-16.93	Peak	105	82	P
6	16530.00	16.08	44.61	60.69	68.20	-7.51	Peak	110	80	P

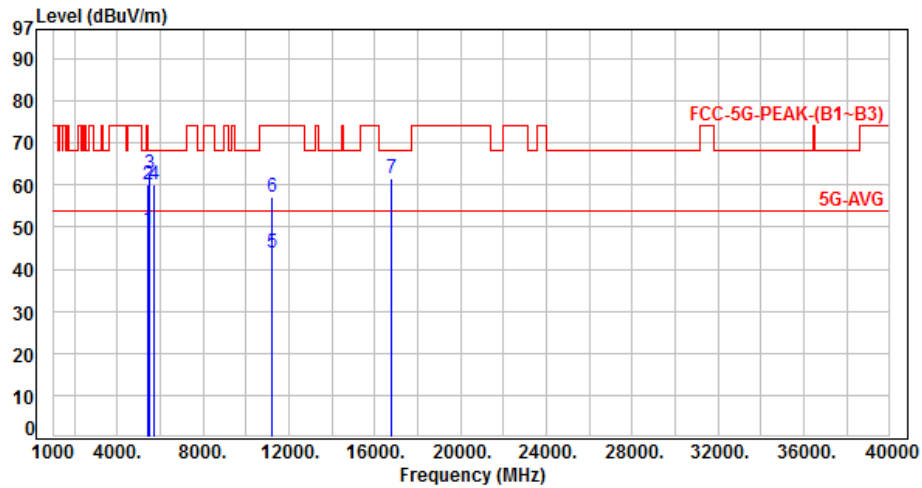
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 3, CH118		:



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	6.32	43.18	49.50	54.00	-4.50	Average	100	167	P
2	5460.00	6.32	53.62	59.94	74.00	-14.06	Peak	100	167	P
3	5470.00	6.34	56.46	62.80	68.20	-5.40	Peak	100	167	P
4	5725.00	6.32	53.84	60.16	68.20	-8.04	Peak	100	167	P
5	11180.00	14.07	29.70	43.77	54.00	-10.23	Average	115	300	P
6	11180.00	14.07	43.26	57.33	74.00	-16.67	Peak	115	300	P
7	16770.00	17.65	43.78	61.43	68.20	-6.77	Peak	110	295	P

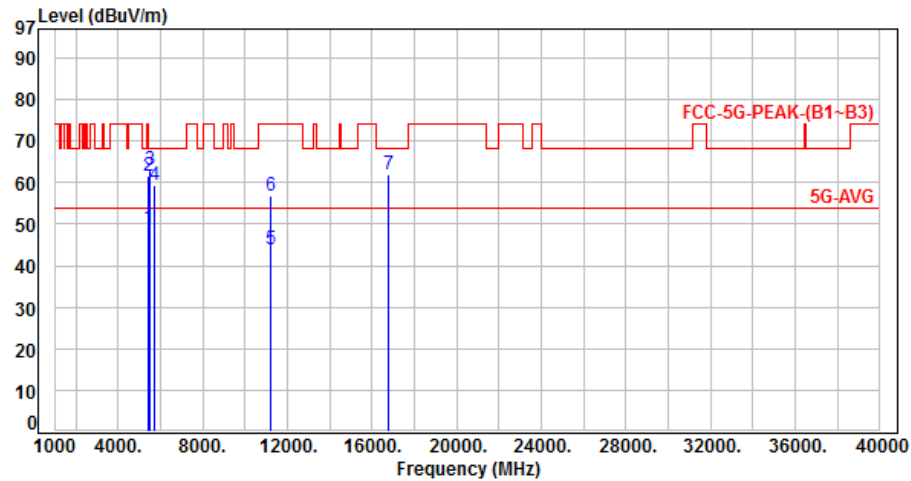
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 3, CH118		:



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	6.32	42.69	49.01	54.00	-4.99	Average	100	270	P
2	5460.00	6.32	55.26	61.58	74.00	-12.42	Peak	100	270	P
3	5470.00	6.34	56.57	62.91	68.20	-5.29	Peak	100	270	P
4	5725.00	6.32	52.99	59.31	68.20	-8.89	Peak	100	270	P
5	11180.00	14.07	29.79	43.86	54.00	-10.14	Average	120	78	P
6	11180.00	14.07	42.87	56.94	74.00	-17.06	Peak	120	78	P
7	16770.00	17.65	44.15	61.80	68.20	-6.40	Peak	110	87	P

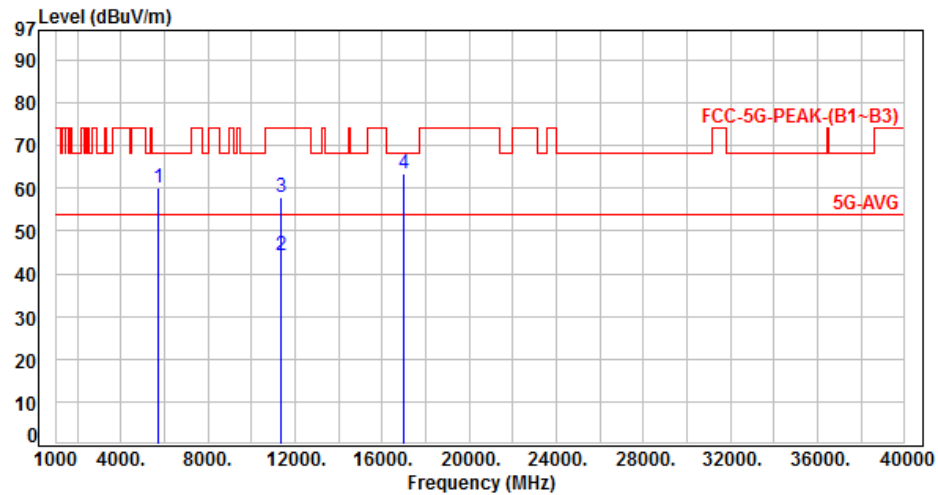
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 3, CH134		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	6.32	53.66	59.98	68.20	-8.22	Peak	100	173	P
2	11340.00	14.20	29.96	44.16	54.00	-9.84	Average	110	298	P
3	11340.00	14.20	43.78	57.98	74.00	-16.02	Peak	110	298	P
4	17010.00	19.09	44.21	63.30	68.20	-4.90	Peak	110	295	P

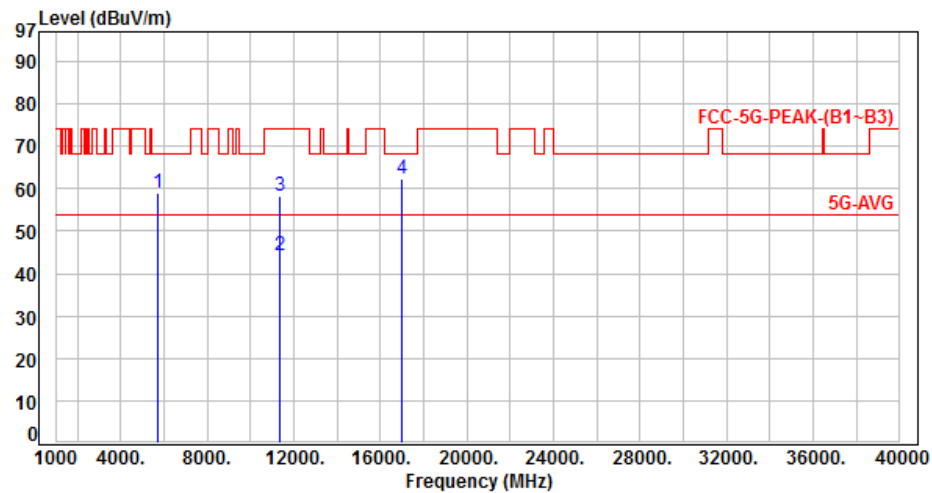
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 3, CH134		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5725.00	6.32	52.74	59.06	68.20	-9.14	Peak	110	275	P
2	11340.00	14.20	29.91	44.11	54.00	-9.89	Average	110	75	P
3	11340.00	14.20	43.90	58.10	74.00	-15.90	Peak	110	75	P
4	17010.00	19.09	43.38	62.47	68.20	-5.73	Peak	110	85	P

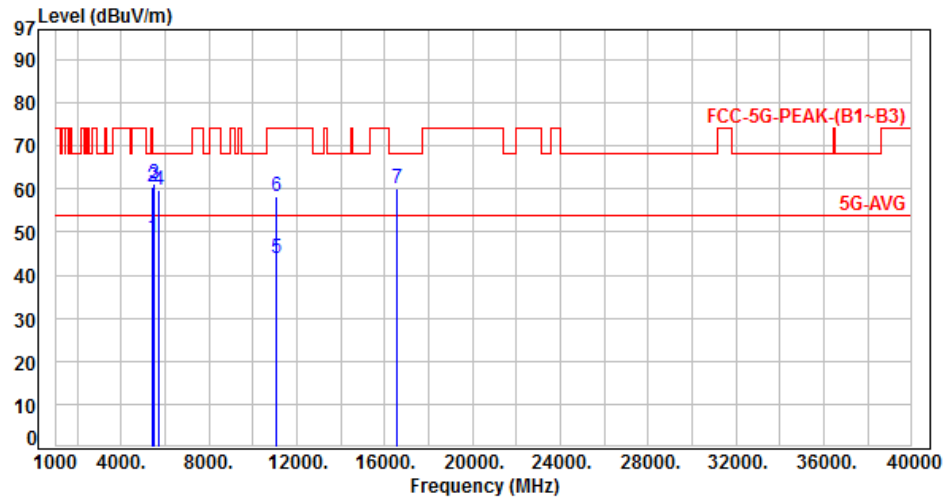
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 3, CH106		:	



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	6.32	42.34	48.66	54.00	-5.34	Average	100	167	P
2	5460.00	6.32	54.22	60.54	74.00	-13.46	Peak	100	167	P
3	5470.00	6.34	54.75	61.09	68.20	-7.11	Peak	100	167	P
4	5725.00	6.32	53.48	59.80	68.20	-8.40	Peak	100	167	P
5	11060.00	13.90	29.93	43.83	54.00	-10.17	Average	120	300	P
6	11060.00	13.90	44.23	58.13	74.00	-15.87	Peak	120	300	P
7	16590.00	16.56	43.68	60.24	68.20	-7.96	Peak	120	295	P

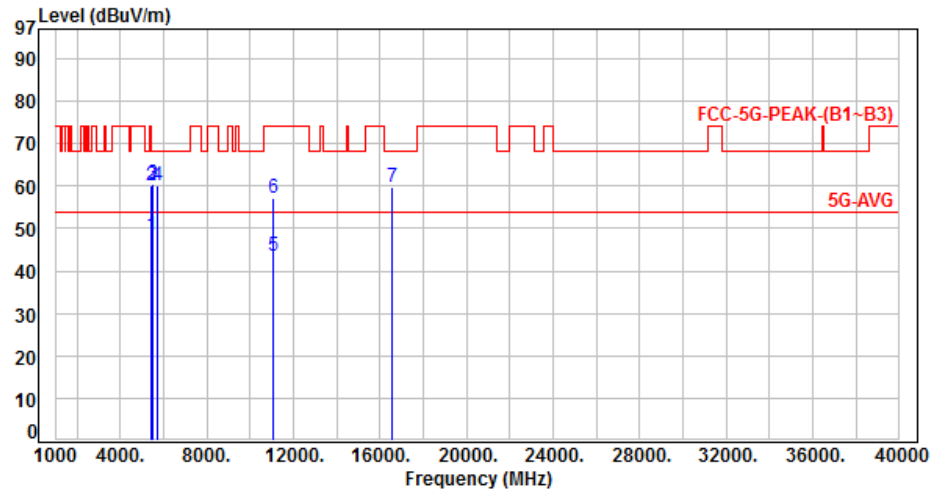
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 3, CH106		:



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	6.32	41.93	48.25	54.00	-5.75	Average	100	268	P
2	5460.00	6.32	53.75	60.07	74.00	-13.93	Peak	100	268	P
3	5470.00	6.34	54.10	60.44	68.20	-7.76	Peak	100	268	P
4	5725.00	6.32	53.65	59.97	68.20	-8.23	Peak	100	268	P
5	11060.00	13.90	29.53	43.43	54.00	-10.57	Average	105	80	P
6	11060.00	13.90	43.25	57.15	74.00	-16.85	Peak	105	80	P
7	16590.00	16.56	43.36	59.92	68.20	-8.28	Peak	100	88	P

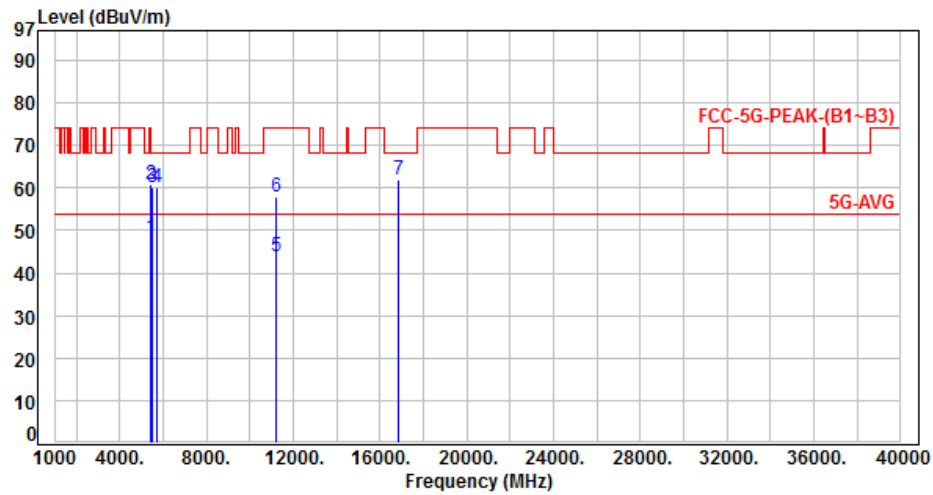
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 3, CH122		:



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	6.32	42.14	48.46	54.00	-5.54	Average	100	165	P
2	5460.00	6.32	54.62	60.94	74.00	-13.06	Peak	100	165	P
3	5470.00	6.34	53.93	60.27	68.20	-7.93	Peak	100	165	P
4	5725.00	6.32	53.97	60.29	68.20	-7.91	Peak	100	165	P
5	11220.00	14.11	29.76	43.87	54.00	-10.13	Average	115	294	P
6	11220.00	14.11	43.90	58.01	74.00	-15.99	Peak	115	294	P
7	16830.00	18.13	43.81	61.94	68.20	-6.26	Peak	100	295	P

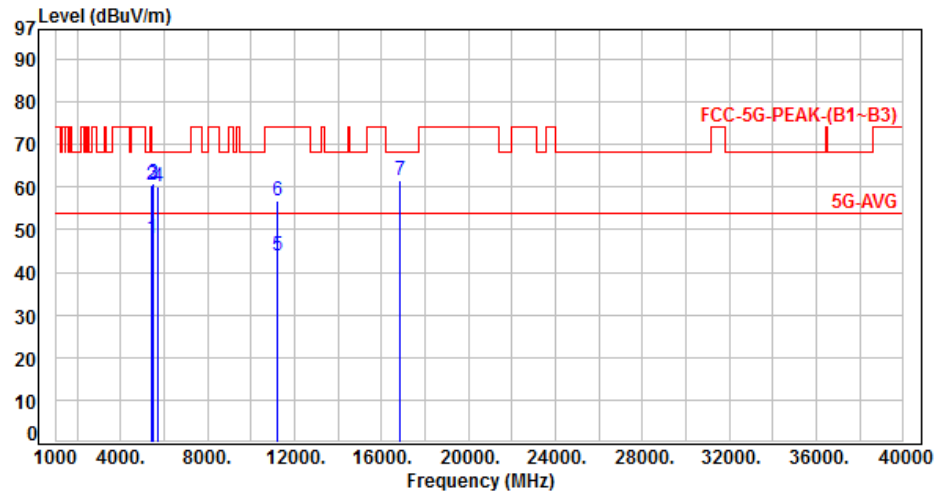
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 3, CH122		:



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	6.32	41.77	48.09	54.00	-5.91	Average	100	265	P
2	5460.00	6.32	54.05	60.37	74.00	-13.63	Peak	100	265	P
3	5470.00	6.34	54.68	61.02	68.20	-7.18	Peak	100	265	P
4	5725.00	6.32	53.78	60.10	68.20	-8.10	Peak	100	265	P
5	11220.00	14.11	29.77	43.88	54.00	-10.12	Average	100	85	P
6	11220.00	14.11	42.84	56.95	74.00	-17.05	Peak	100	85	P
7	16830.00	18.13	43.33	61.46	68.20	-6.74	Peak	100	83	P

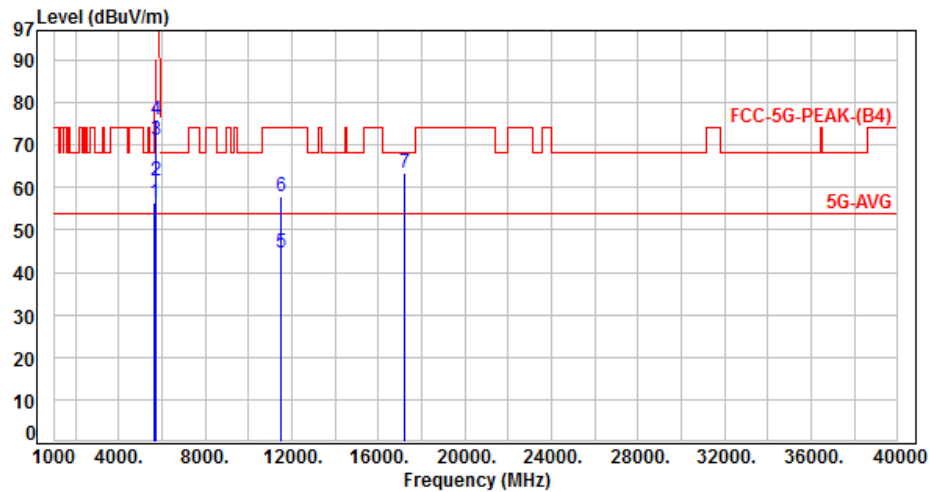
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 4, CH149		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	50.32	56.58	68.20	-11.62	Peak	100	35	P
2	5700.00	6.30	55.16	61.46	105.20	-43.74	Peak	100	35	P
3	5720.00	6.31	64.92	71.23	110.80	-39.57	Peak	100	35	P
4	5725.00	6.32	69.67	75.99	122.20	-46.21	Peak	100	35	P
5	11490.00	14.60	30.19	44.79	54.00	-9.21	Average	121	164	P
6	11490.00	14.60	43.33	57.93	74.00	-16.07	Peak	121	164	P
7	17235.00	20.19	43.40	63.59	68.20	-4.61	Peak	109	142	P

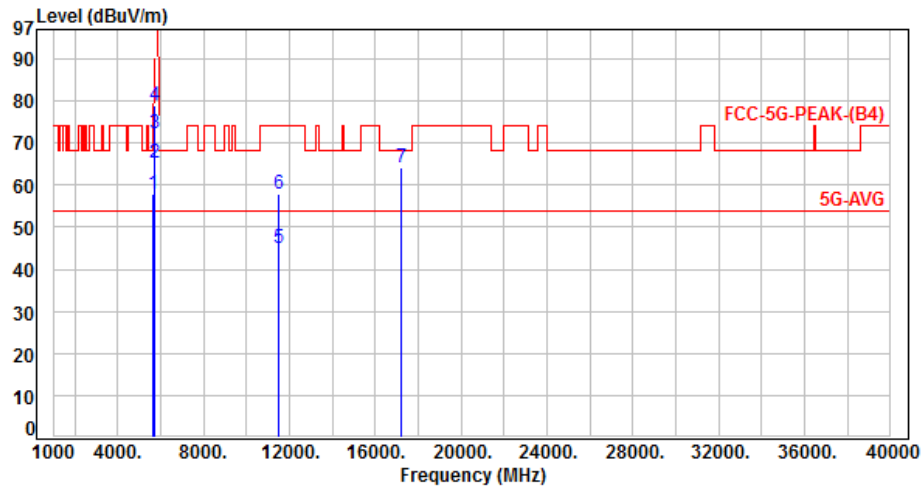
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH149		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	51.64	57.90	68.20	-10.30	Peak	100	29	P
2	5700.00	6.30	59.12	65.42	105.20	-39.78	Peak	100	29	P
3	5720.00	6.31	66.14	72.45	110.80	-38.35	Peak	100	29	P
4	5725.00	6.32	72.48	78.80	122.20	-43.40	Peak	100	29	P
5	11490.00	14.60	30.24	44.84	54.00	-9.16	Average	106	249	P
6	11490.00	14.60	43.35	57.95	74.00	-16.05	Peak	106	249	P
7	17235.00	20.19	43.83	64.02	68.20	-4.18	Peak	118	284	P

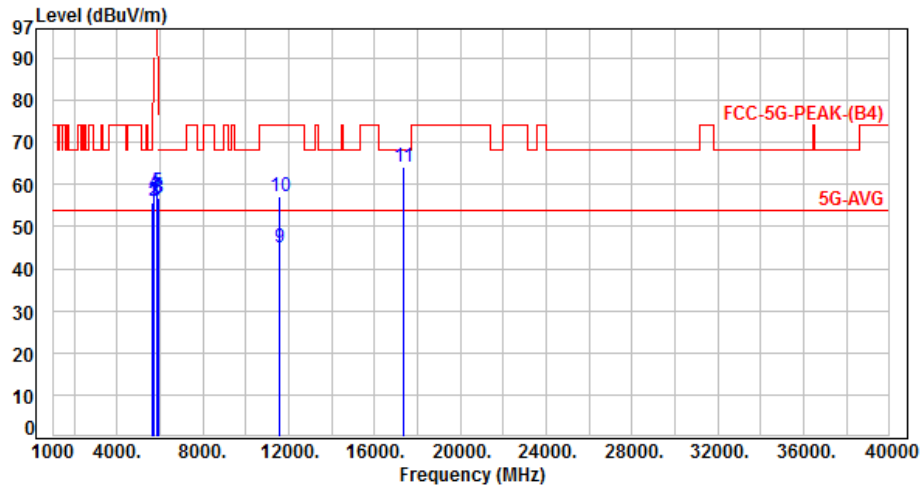
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH157		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	49.38	55.64	68.20	-12.56	Peak	100	36	P
2	5700.00	6.30	49.64	55.94	105.20	-49.26	Peak	100	36	P
3	5720.00	6.31	49.76	56.07	110.80	-54.73	Peak	100	36	P
4	5725.00	6.32	51.50	57.82	122.20	-64.38	Peak	100	36	P
5	5850.00	6.41	51.94	58.35	122.20	-63.85	Peak	100	36	P
6	5855.00	6.43	49.82	56.25	110.80	-54.55	Peak	100	36	P
7	5875.00	6.53	50.67	57.20	105.20	-48.00	Peak	100	36	P
8	5925.00	6.70	50.17	56.87	68.20	-11.33	Peak	100	36	P
9	11570.00	14.83	30.12	44.95	54.00	-9.05	Average	117	173	P
10	11570.00	14.83	42.39	57.22	74.00	-16.78	Peak	117	173	P
11	17355.00	20.84	43.16	64.00	68.20	-4.20	Peak	105	136	P

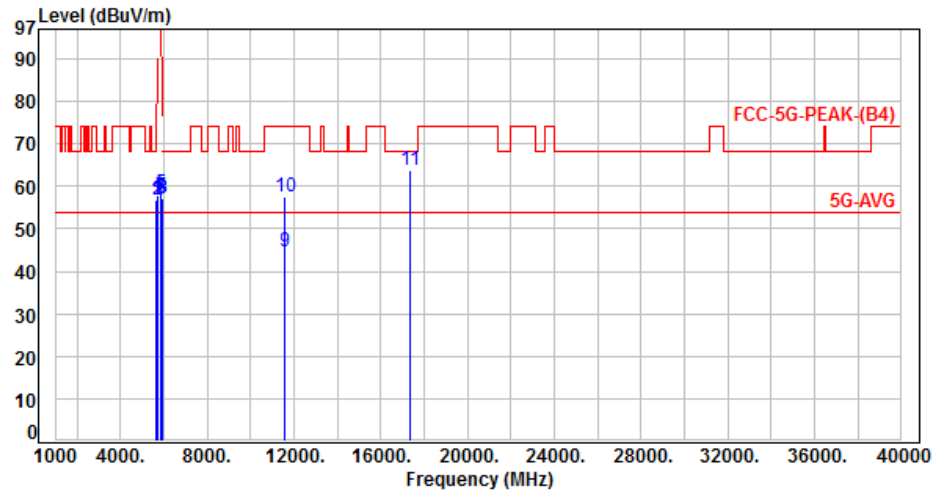
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH157		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	50.48	56.74	68.20	-11.46	Peak	100	32	P
2	5700.00	6.30	50.61	56.91	105.20	-48.29	Peak	100	32	P
3	5720.00	6.31	50.64	56.95	110.80	-53.85	Peak	100	32	P
4	5725.00	6.32	51.56	57.88	122.20	-64.32	Peak	100	32	P
5	5850.00	6.41	51.74	58.15	122.20	-64.05	Peak	100	32	P
6	5855.00	6.43	50.62	57.05	110.80	-53.75	Peak	100	32	P
7	5875.00	6.53	51.11	57.64	105.20	-47.56	Peak	100	32	P
8	5925.00	6.70	50.48	57.18	68.20	-11.02	Peak	100	32	P
9	11570.00	14.83	29.89	44.72	54.00	-9.28	Average	105	243	P
10	11570.00	14.83	42.87	57.70	74.00	-16.30	Peak	105	243	P
11	17355.00	20.84	42.88	63.72	68.20	-4.48	Peak	123	296	P

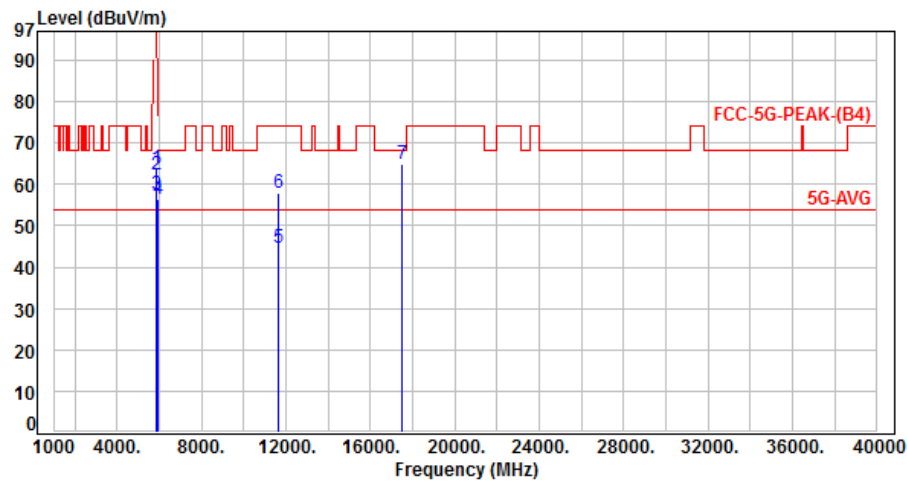
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 4, CH165		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.41	57.53	63.94	122.20	-58.26	Peak	100	235	P
2	5855.00	6.43	55.75	62.18	110.80	-48.62	Peak	100	235	P
3	5875.00	6.53	50.98	57.51	105.20	-47.69	Peak	100	235	P
4	5925.00	6.70	49.71	56.41	68.20	-11.79	Peak	100	235	P
5	11650.00	15.01	29.79	44.80	54.00	-9.20	Average	116	182	P
6	11650.00	15.01	42.89	57.90	74.00	-16.10	Peak	116	182	P
7	17475.00	21.75	43.07	64.82	68.20	-3.38	Peak	121	139	P

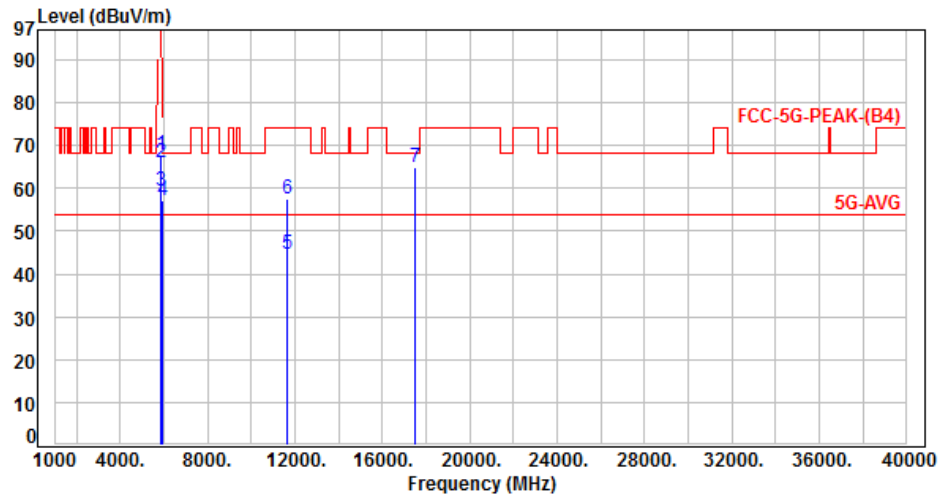
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH165		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.41	61.34	67.75	122.20	-54.45	Peak	129	33	P
2	5855.00	6.43	59.41	65.84	110.80	-44.96	Peak	129	33	P
3	5875.00	6.53	52.82	59.35	105.20	-45.85	Peak	129	33	P
4	5925.00	6.70	50.38	57.08	68.20	-11.12	Peak	129	33	P
5	11650.00	15.01	29.79	44.80	54.00	-9.20	Average	108	249	P
6	11650.00	15.01	42.60	57.61	74.00	-16.39	Peak	108	249	P
7	17475.00	21.75	43.25	65.00	68.20	-3.20	Peak	113	302	P

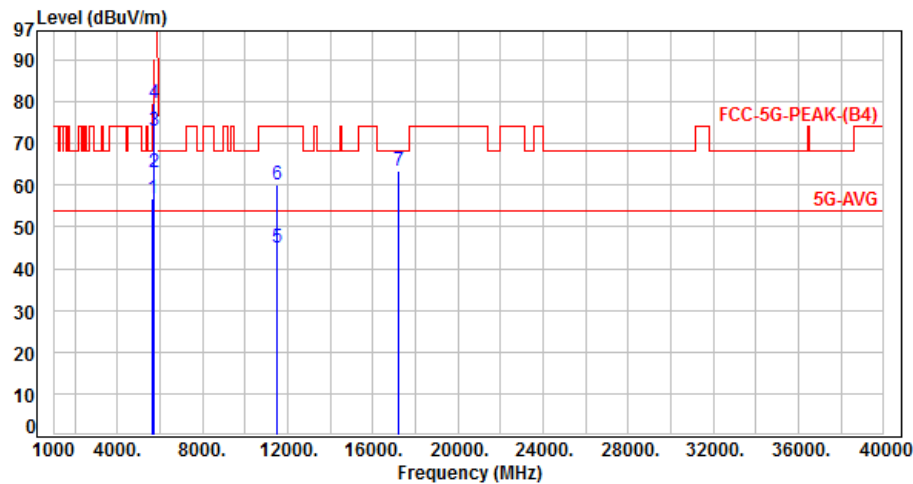
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 4, CH149		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	50.57	56.83	68.20	-11.37	Peak	100	37	P
2	5700.00	6.30	56.86	63.16	105.20	-42.04	Peak	100	37	P
3	5720.00	6.31	66.72	73.03	110.80	-37.77	Peak	100	37	P
4	5725.00	6.32	73.51	79.83	122.20	-42.37	Peak	100	37	P
5	11490.00	14.60	30.57	45.17	54.00	-8.83	Average	120	150	P
6	11490.00	14.60	45.46	60.06	74.00	-13.94	Peak	120	150	P
7	17235.00	20.19	43.26	63.45	68.20	-4.75	Peak	100	132	P

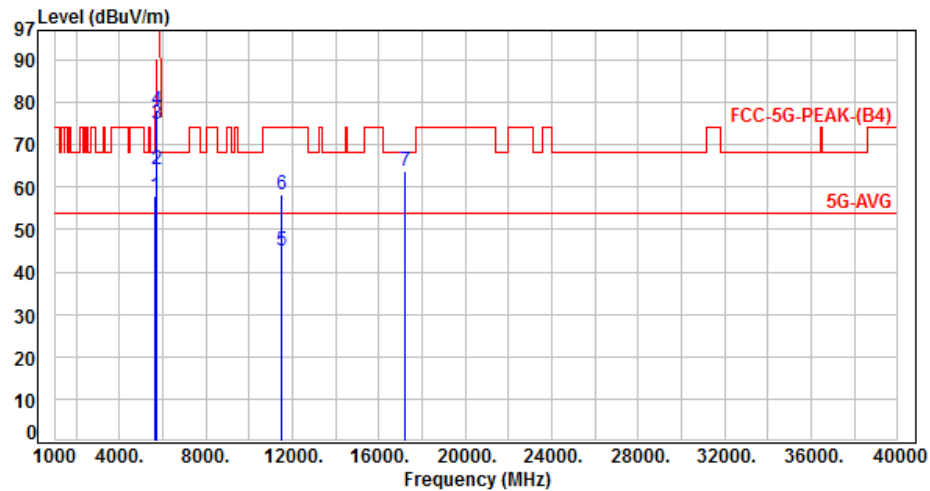
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 4, CH149		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	51.82	58.08	68.20	-10.12	Peak	100	25	P
2	5700.00	6.30	57.83	64.13	105.20	-41.07	Peak	100	25	P
3	5720.00	6.31	68.73	75.04	110.80	-35.76	Peak	100	25	P
4	5725.00	6.32	71.69	78.01	122.20	-44.19	Peak	100	25	P
5	11490.00	14.60	30.32	44.92	54.00	-9.08	Average	110	255	P
6	11490.00	14.60	43.56	58.16	74.00	-15.84	Peak	110	255	P
7	17235.00	20.19	43.76	63.95	68.20	-4.25	Peak	100	293	P

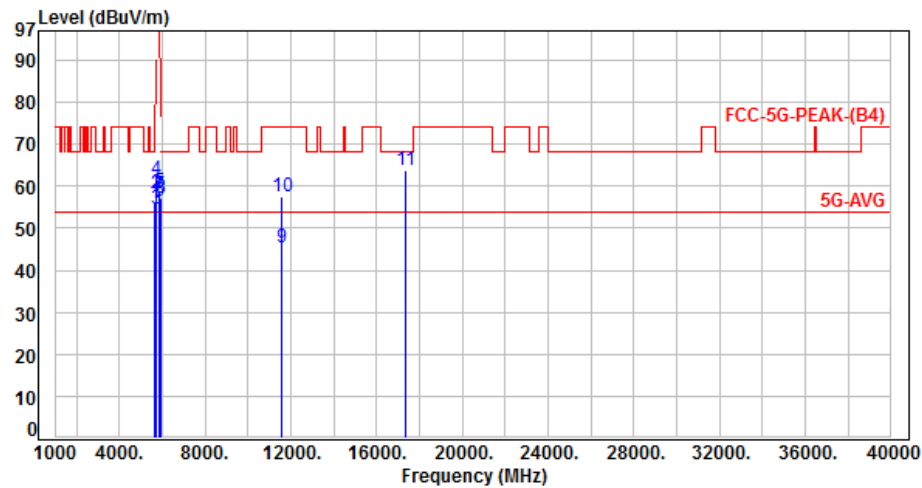
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 4, CH157		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	49.82	56.08	68.20	-12.12	Peak	100	35	P
2	5700.00	6.30	51.82	58.12	105.20	-47.08	Peak	100	35	P
3	5720.00	6.31	48.44	54.75	110.80	-56.05	Peak	100	35	P
4	5725.00	6.32	55.46	61.78	122.20	-60.42	Peak	100	35	P
5	5850.00	6.41	52.24	58.65	122.20	-63.55	Peak	100	35	P
6	5855.00	6.43	50.11	56.54	110.80	-54.26	Peak	100	35	P
7	5875.00	6.53	51.32	57.85	105.20	-47.35	Peak	100	35	P
8	5925.00	6.70	50.41	57.11	68.20	-11.09	Peak	100	35	P
9	11570.00	14.83	30.62	45.45	54.00	-8.55	Average	120	165	P
10	11570.00	14.83	42.83	57.66	74.00	-16.34	Peak	120	165	P
11	17355.00	20.84	43.04	63.88	68.20	-4.32	Peak	110	140	P

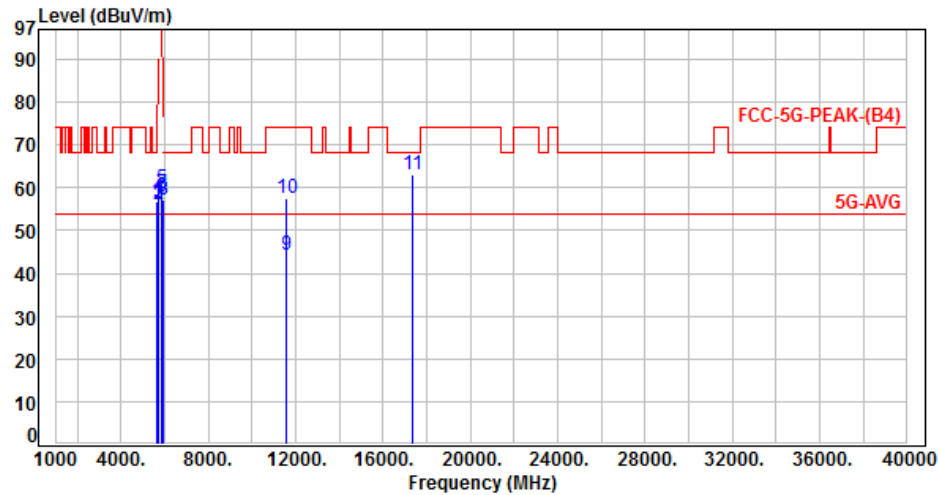
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 4, CH157		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	50.71	56.97	68.20	-11.23	Peak	100	28	P
2	5700.00	6.30	49.86	56.16	105.20	-49.04	Peak	100	28	P
3	5720.00	6.31	50.13	56.44	110.80	-54.36	Peak	100	28	P
4	5725.00	6.32	51.74	58.06	122.20	-64.14	Peak	100	28	P
5	5850.00	6.41	53.40	59.81	122.20	-62.39	Peak	100	28	P
6	5855.00	6.43	51.49	57.92	110.80	-52.88	Peak	100	28	P
7	5875.00	6.53	52.14	58.67	105.20	-46.53	Peak	100	28	P
8	5925.00	6.70	50.38	57.08	68.20	-11.12	Peak	100	28	P
9	11570.00	14.83	29.46	44.29	54.00	-9.71	Average	110	250	P
10	11570.00	14.83	42.55	57.38	74.00	-16.62	Peak	110	250	P
11	17355.00	20.84	42.30	63.14	68.20	-5.06	Peak	100	285	P

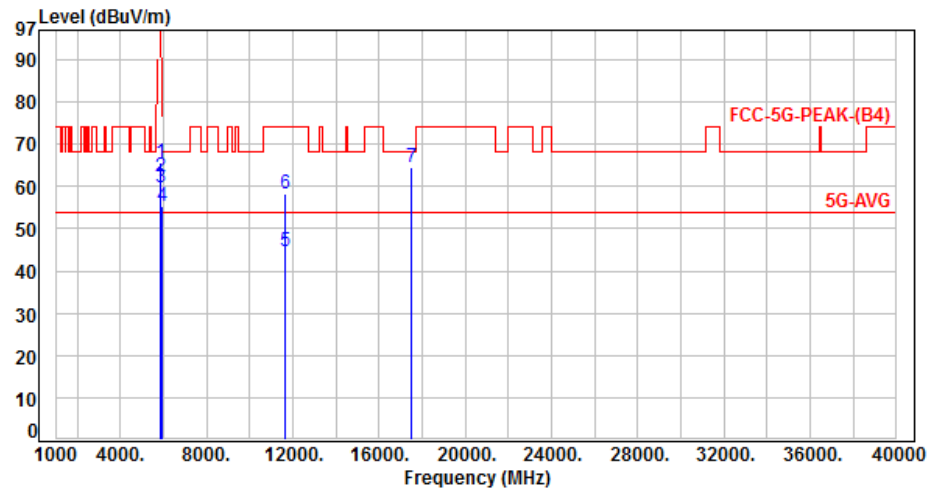
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 4, CH165		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.41	59.41	65.82	122.20	-56.38	Peak	100	240	P
2	5855.00	6.43	55.85	62.28	110.80	-48.52	Peak	100	240	P
3	5875.00	6.53	53.12	59.65	105.20	-45.55	Peak	100	240	P
4	5925.00	6.70	48.72	55.42	68.20	-12.78	Peak	100	240	P
5	11650.00	15.01	29.66	44.67	54.00	-9.33	Average	110	185	P
6	11650.00	15.01	43.17	58.18	74.00	-15.82	Peak	110	185	P
7	17475.00	21.75	42.87	64.62	68.20	-3.58	Peak	120	140	P

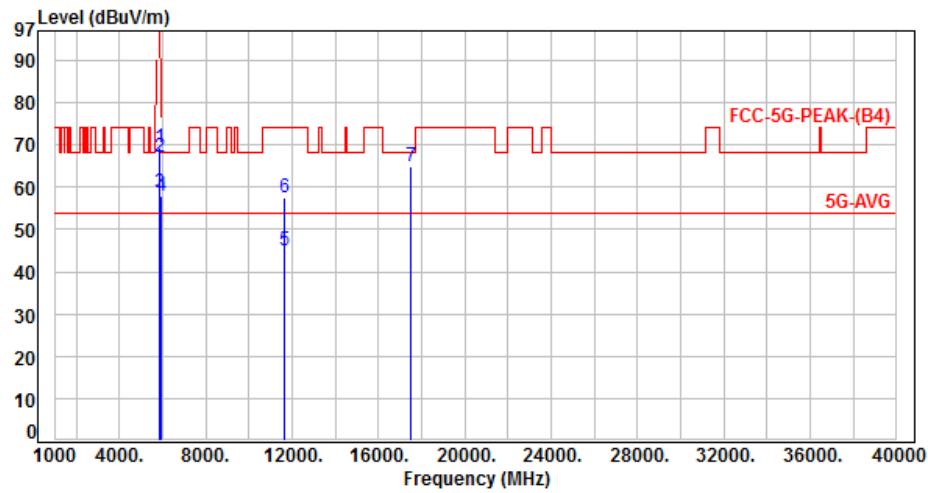
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 4, CH165		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.41	62.88	69.29	122.20	-52.91	Peak	100	40	P
2	5855.00	6.43	60.75	67.18	110.80	-43.62	Peak	100	40	P
3	5875.00	6.53	52.16	58.69	105.20	-46.51	Peak	100	40	P
4	5925.00	6.70	51.34	58.04	68.20	-10.16	Peak	100	40	P
5	11650.00	15.01	30.14	45.15	54.00	-8.85	Average	100	244	P
6	11650.00	15.01	42.36	57.37	74.00	-16.63	Peak	100	244	P
7	17475.00	21.75	43.16	64.91	68.20	-3.29	Peak	110	295	P

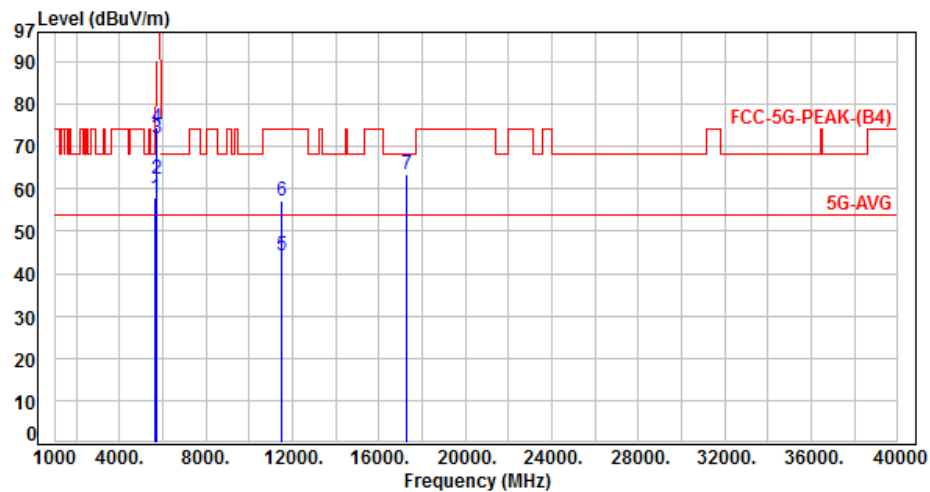
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH151		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	51.73	57.99	68.20	-10.21	Peak	100	34	P
2	5700.00	6.30	56.18	62.48	105.20	-42.72	Peak	100	34	P
3	5720.00	6.31	65.72	72.03	110.80	-38.77	Peak	100	34	P
4	5725.00	6.32	68.30	74.62	122.20	-47.58	Peak	100	34	P
5	11510.00	14.65	29.76	44.41	54.00	-9.59	Average	114	173	P
6	11510.00	14.65	42.68	57.33	74.00	-16.67	Peak	114	173	P
7	17265.00	20.33	43.22	63.55	68.20	-4.65	Peak	124	148	P

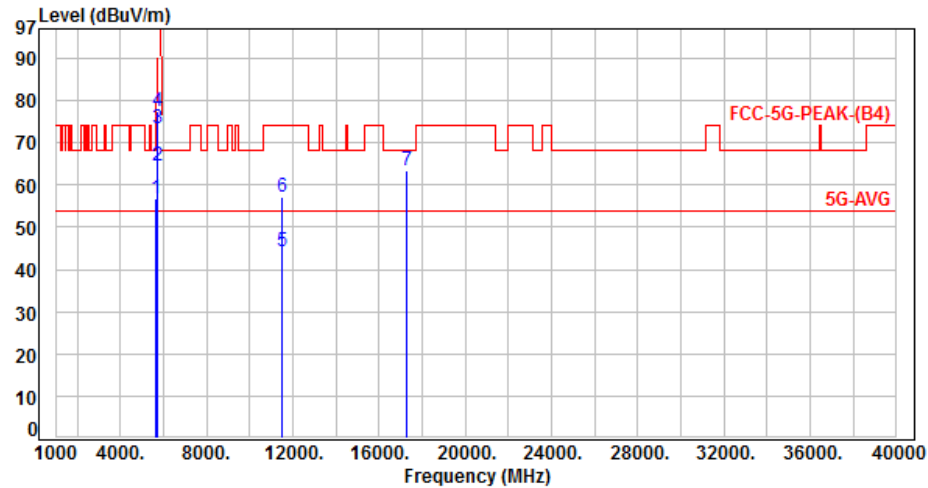
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 4, CH151		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	50.52	56.78	68.20	-11.42	Peak	100	32	P
2	5700.00	6.30	58.19	64.49	105.20	-40.71	Peak	100	32	P
3	5720.00	6.31	66.99	73.30	110.80	-37.50	Peak	100	32	P
4	5725.00	6.32	71.20	77.52	122.20	-44.68	Peak	100	32	P
5	11510.00	14.65	29.64	44.29	54.00	-9.71	Average	101	243	P
6	11510.00	14.65	42.36	57.01	74.00	-16.99	Peak	101	243	P
7	17265.00	20.33	43.14	63.47	68.20	-4.73	Peak	118	314	P

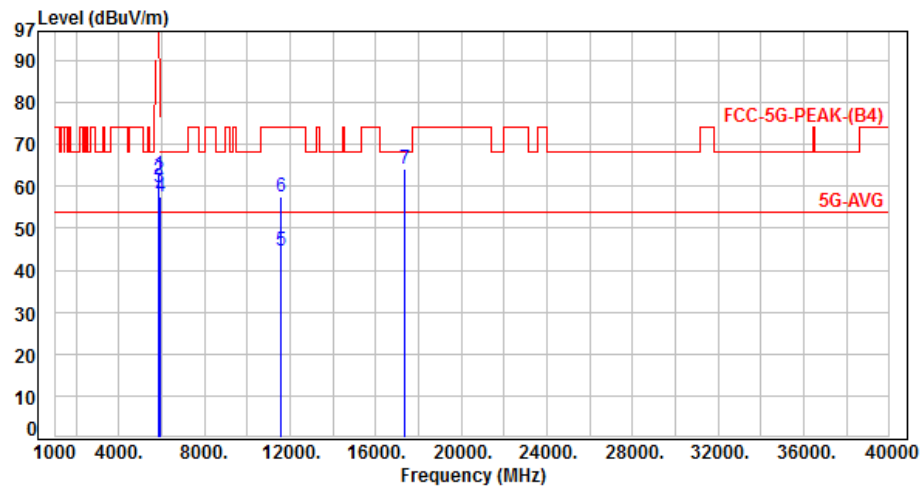
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH159		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.41	56.42	62.83	122.20	-59.37	Peak	100	289	P
2	5855.00	6.43	55.19	61.62	110.80	-49.18	Peak	100	289	P
3	5875.00	6.53	53.15	59.68	105.20	-45.52	Peak	100	289	P
4	5925.00	6.70	50.80	57.50	68.20	-10.70	Peak	100	289	P
5	11590.00	14.89	29.81	44.70	54.00	-9.30	Average	108	182	P
6	11590.00	14.89	42.54	57.43	74.00	-16.57	Peak	108	182	P
7	17385.00	21.02	42.97	63.99	68.20	-4.21	Peak	121	153	P

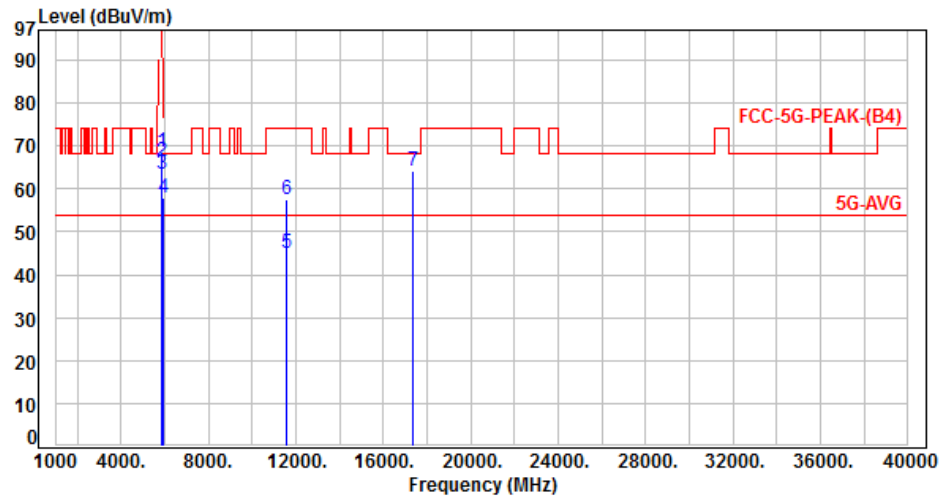
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 4, CH159		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.41	62.13	68.54	122.20	-53.66	Peak	100	31	P
2	5855.00	6.43	59.96	66.39	110.80	-44.41	Peak	100	31	P
3	5875.00	6.53	56.77	63.30	105.20	-41.90	Peak	100	31	P
4	5925.00	6.70	51.24	57.94	68.20	-10.26	Peak	100	31	P
5	11590.00	14.89	29.97	44.86	54.00	-9.14	Average	103	248	P
6	11590.00	14.89	42.53	57.42	74.00	-16.58	Peak	103	248	P
7	17385.00	21.02	43.24	64.26	68.20	-3.94	Peak	115	307	P

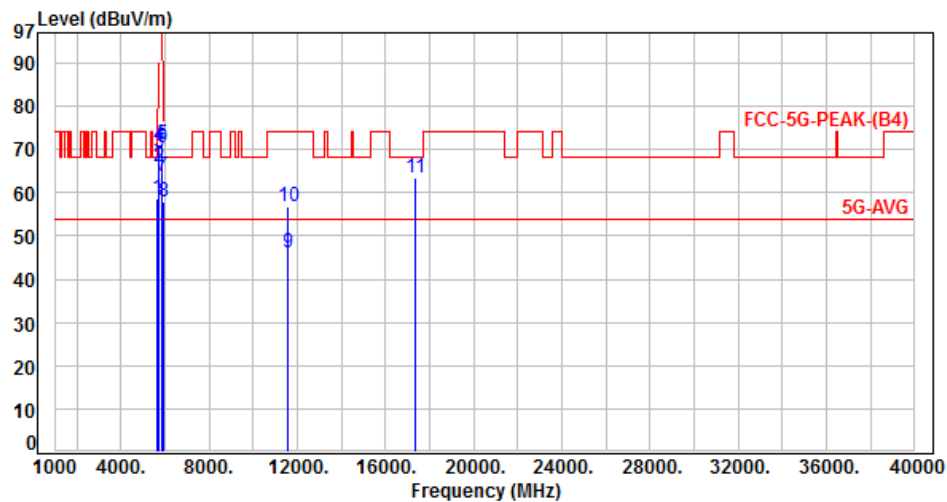
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 4, CH155		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	52.32	58.58	68.20	-9.62	Peak	100	36	P
2	5700.00	6.30	59.64	65.94	105.20	-39.26	Peak	100	36	P
3	5720.00	6.31	62.90	69.21	110.80	-41.59	Peak	100	36	P
4	5725.00	6.32	64.41	70.73	122.20	-51.47	Peak	100	36	P
5	5850.00	6.41	64.71	71.12	122.20	-51.08	Peak	100	36	P
6	5855.00	6.43	64.12	70.55	110.80	-40.25	Peak	100	36	P
7	5875.00	6.53	57.28	63.81	105.20	-41.39	Peak	100	36	P
8	5925.00	6.70	51.36	58.06	68.20	-10.14	Peak	100	36	P
9	11550.00	14.77	31.35	46.12	54.00	-7.88	Average	112	168	P
10	11550.00	14.77	42.08	56.85	74.00	-17.15	Peak	112	168	P
11	17325.00	20.64	42.88	63.52	68.20	-4.68	Peak	103	144	P

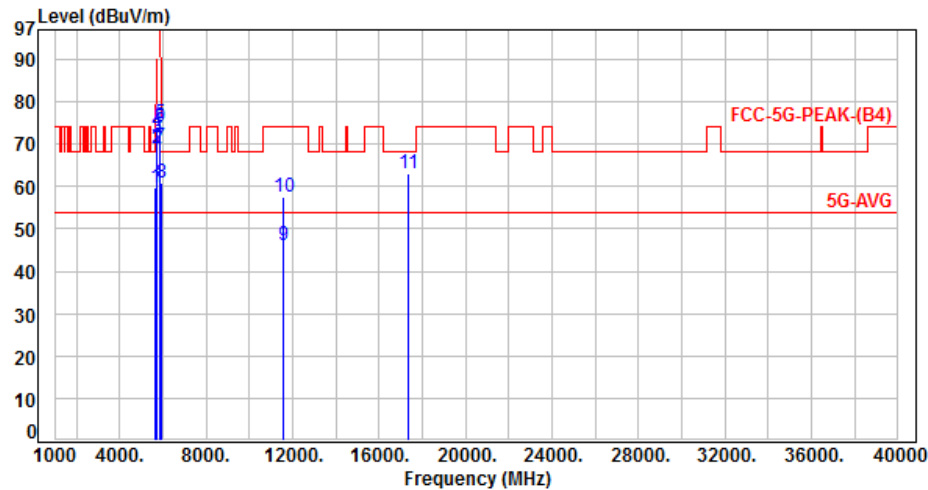
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 4, CH155		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	53.46	59.72	68.20	-8.48	Peak	100	34	P
2	5700.00	6.30	62.68	68.98	105.20	-36.22	Peak	100	34	P
3	5720.00	6.31	65.14	71.45	110.80	-39.35	Peak	100	34	P
4	5725.00	6.32	66.62	72.94	122.20	-49.26	Peak	100	34	P
5	5850.00	6.41	68.42	74.83	122.20	-47.37	Peak	100	34	P
6	5855.00	6.43	67.68	74.11	110.80	-36.69	Peak	100	34	P
7	5875.00	6.53	62.94	69.47	105.20	-35.73	Peak	100	34	P
8	5925.00	6.70	54.30	61.00	68.20	-7.20	Peak	100	34	P
9	11550.00	14.77	31.26	46.03	54.00	-7.97	Average	124	248	P
10	11550.00	14.77	42.67	57.44	74.00	-16.56	Peak	124	248	P
11	17325.00	20.64	42.39	63.03	68.20	-5.17	Peak	108	301	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6.7. Restricted Bands of Operation

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

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

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



7. On Time, Duty Cycle and Measurement methods

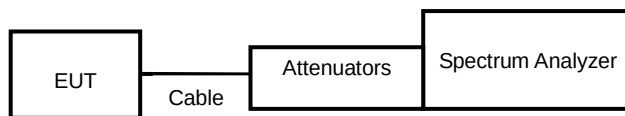
7.1. Test Limit

None; for reporting purposes only.

7.2. Test Procedure

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.3. Test Setup Layout



**7.4. Test Result and Data**

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	1.40	1.44	97.01%
802.11ac VHT20	1.32	1.36	96.84%
802.11ac VHT40	0.65	0.70	93.83%
802.11ac VHT80	0.32	0.37	88.65%

7.5. Measurement Methods

26 dB and 6dB Emission BW	KDB 789033 D02 v01, Section C
99% Occupied BW	KDB 789033 D02 v01, Section D
Conducted Output Power	KDB 789033 D02 v01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02 v01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 D02 v01, Sections G and H



Band 1

Modulation Type: 802.11a (6Mbps)



Modulation Type: 802.11ac VHT80 (29.3Mbps)



Modulation Type: 802.11ac VHT20 (6.5Mbps)



Modulation Type: 802.11ac VHT40 (13.5Mbps)





8. 6dB Bandwidth & 99% Occupied Bandwidth

8.1. Test Limit

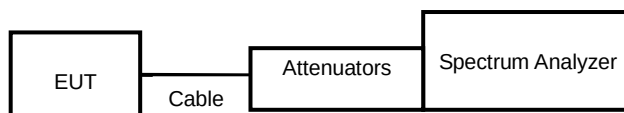
FCC §15.407

The minimum 6 dB bandwidth shall be at least 500 kHz.

8.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW set to 100KHz, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

8.3. Test Setup Layout





8.4. Test Result and Data (6dB Bandwidth)

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth(MHz)	Minimum Limit (MHz)
			ANT A	
11a	149	5745	16.32	0.50
11a	157	5785	16.32	0.50
11a	165	5825	16.32	0.50
11ac VHT20	149	5745	17.28	0.50
11ac VHT20	157	5785	16.92	0.50
11ac VHT20	165	5825	17.52	0.50
11ac VHT40	151	5755	36.06	0.50
11ac VHT40	159	5795	36.06	0.50
11ac VHT80	155	5775	75.12	0.50

8.5. Test Result and Data (99% Occupied Bandwidth)

In the 5.8G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	149	5745	16.95
11a	157	5785	16.94
11a	165	5825	16.96
11ac VHT20	149	5745	18.04
11ac VHT20	157	5785	18.04
11ac VHT20	165	5825	18.04
11ac VHT40	151	5755	36.57
11ac VHT40	159	5795	36.58
11ac VHT80	155	5775	75.54



6dB Bandwidth
Modulation Type: 802.11a (6Mbps)
CH149



Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149



CH157



CH157



CH165



CH165





6dB Bandwidth
Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151



Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155



CH159





99% Occupied Bandwidth
Modulation Type: 802.11a (6Mbps)
CH149



Modulation Type: 802.11ac, VHT20 (6.5Mbps)
CH149



CH157



CH157



CH165



CH165





99% Occupied Bandwidth
Modulation Type: 802.11ac, VHT40 (13.5Mbps)
CH151



Modulation Type: 802.11ac, VHT80 (29.3Mbps)
CH155



CH159





9. 26dB Bandwidth & 99% Occupied Bandwidth

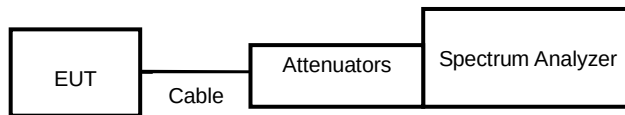
9.1. Test Limit

None; for reporting purposes only.

9.2. Test Procedure

Reference to 789033 D02 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW = approximately 1% of the emission bandwidth, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

9.3. Test Setup Layout





9.4. Test Result and Data (26dB Bandwidth)

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	36	5180	16.91
11a	40	5200	16.94
11a	48	5240	16.93
11ac VHT20	36	5180	18.00
11ac VHT20	40	5200	18.05
11ac VHT20	48	5240	18.04
11ac VHT40	38	5190	36.68
11ac VHT40	46	5230	36.66
11ac VHT80	42	5210	75.79

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	52	5260	16.94
11a	60	5300	16.94
11a	64	5320	16.93
11ac VHT20	52	5260	18.02
11ac VHT20	60	5300	18.04
11ac VHT20	64	5320	18.06
11ac VHT40	54	5270	36.67
11ac VHT40	62	5310	36.63
11ac VHT80	58	5290	75.63

In the 5.5G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)
			ANT A
11a	100	5500	16.98
11a	120	5600	16.99
11a	140	5700	16.97
11ac VHT20	100	5500	18.04
11ac VHT20	120	5600	18.06
11ac VHT20	140	5700	18.04
11ac VHT40	102	5510	36.64
11ac VHT40	118	5590	36.67
11ac VHT40	134	5670	36.66
11ac VHT80	106	5530	75.60
11ac VHT80	122	5610	75.66

**9.5. Test Result and Data (99% Occupied Bandwidth)**

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	36	5180	16.88
11a	40	5200	16.89
11a	48	5240	16.89
11ac VHT20	36	5180	17.98
11ac VHT20	40	5200	18.02
11ac VHT20	48	5240	18.00
11ac VHT40	38	5190	36.57
11ac VHT40	46	5230	36.53
11ac VHT80	42	5210	75.54

In the 5.3G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	52	5260	16.90
11a	60	5300	16.90
11a	64	5320	16.89
11ac VHT20	52	5260	17.99
11ac VHT20	60	5300	18.01
11ac VHT20	64	5320	18.00
11ac VHT40	54	5270	36.57
11ac VHT40	62	5310	36.54
11ac VHT80	58	5290	75.48

In the 5.5G Band

Modulation Type	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	100	5500	16.94
11a	120	5600	16.95
11a	140	5700	16.93
11ac VHT20	100	5500	18.02
11ac VHT20	120	5600	18.02
11ac VHT20	140	5700	18.01
11ac VHT40	102	5510	36.47
11ac VHT40	118	5590	36.59
11ac VHT40	134	5670	36.52
11ac VHT80	106	5530	75.47
11ac VHT80	122	5610	75.47



26dB Bandwidth

Modulation Type: 802.11a (6Mbps)
CH36



Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



CH40



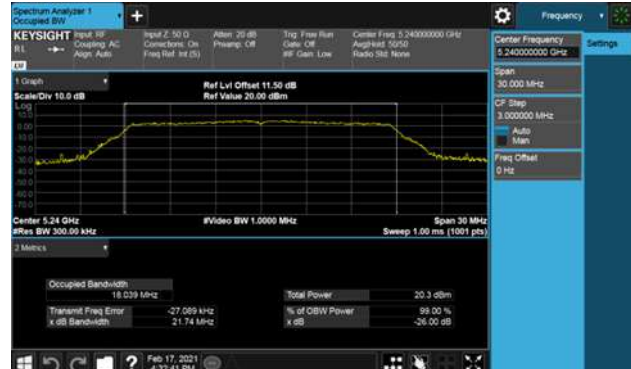
CH40



CH48



CH48





26dB Bandwidth

Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH38Modulation Type: 802.11ac VHT80 (13.5Mbps)
CH42

CH46





26dB Bandwidth

Modulation Type: 802.11a (6Mbps)
CH52



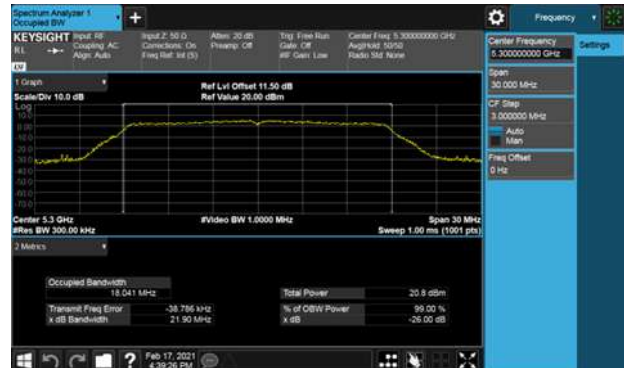
Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH52



CH60



CH60



CH64



CH64





26dB Bandwidth
Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH54



Modulation Type: 802.11ac VHT80 (13.5Mbps)
CH58



CH62





26dB Bandwidth
Modulation Type: 802.11a (6Mbps)
CH100



Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH100



CH120



CH120



CH140



CH140





26dB Bandwidth
Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH102



Modulation Type: 802.11ac VHT80 (13.5Mbps)
CH106



CH118



CH122



CH134





99% Bandwidth

Modulation Type: 802.11a (6Mbps)
CH36



Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



CH40



CH40



CH48



CH48





99% Bandwidth

Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH38Modulation Type: 802.11ac VHT80 (13.5Mbps)
CH42

CH46





99% Bandwidth

Modulation Type: 802.11a (6Mbps)
CH52



Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH52



CH60



CH60



CH64



CH64





99% Bandwidth
Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH54



Modulation Type: 802.11ac VHT80 (13.5Mbps)
CH58



CH62





99% Bandwidth
Modulation Type: 802.11a (6Mbps)
CH100



Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH100



CH120



CH120



CH140



CH140





99% Bandwidth
Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH102



Modulation Type: 802.11ac VHT80 (13.5Mbps)
CH106



CH118



CH122



CH134





10. Average Power

10.1. Test Limit

Output Power:

Frequency Band		Limit
☒	5.15~5.25GHz	
Operating Mode		
☐	Outdoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30degrees as measured from the horizon must not exceed 125 mW (21 dBm).
☐	Indoor access point	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
☐	Fixed point-to-point access points	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
☒	client devices	The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.



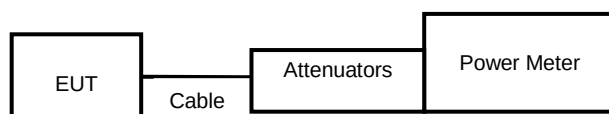
Frequency Band		Limit
☒	5.25-5.35 GHz	The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm $10 \log B$, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
☒	5.470-5.725 GHz	
☒	5.725~5.85 GHz	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

10.2. Test Procedure

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11 dB (including 10 dB pad and 1 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

10.3. Test Setup Layout



**10.4. Test Result and Data**

Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	36	5180	18.54	18.54	71.450	24.00
11a	6 Mbps	default	40	5200	18.61	18.61	72.611	24.00
11a	6 Mbps	default	48	5240	19.18	19.18	82.794	24.00
11n HT20	MCS 0	default	36	5180	18.40	18.40	69.183	24.00
11n HT20	MCS 0	default	40	5200	18.51	18.51	70.958	24.00
11n HT20	MCS 0	default	48	5240	19.02	19.02	79.799	24.00
11n HT40	MCS 0	default	38	5190	18.91	18.91	77.804	24.00
11n HT40	MCS 0	default	46	5230	18.99	18.99	79.250	24.00
11ac VHT20	NSS1-MCS0	default	36	5180	18.42	18.42	69.502	24.00
11ac VHT20	NSS1-MCS0	default	40	5200	18.55	18.55	71.614	24.00
11ac VHT20	NSS1-MCS0	default	48	5240	19.04	19.04	80.168	24.00
11ac VHT40	NSS1-MCS0	default	38	5190	18.95	18.95	78.524	24.00
11ac VHT40	NSS1-MCS0	default	46	5230	19.02	19.02	79.799	24.00
11ac VHT80	NSS1-MCS0	default	42	5210	17.96	17.96	62.517	24.00



Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	52	5260	19.25	19.25	84.140	23.29
11a	6 Mbps	default	60	5300	19.45	19.45	88.105	23.29
11a	6 Mbps	default	64	5320	19.62	19.62	91.622	23.29
11n HT20	MCS 0	default	52	5260	19.21	19.21	83.368	23.56
11n HT20	MCS 0	default	60	5300	19.30	19.30	85.114	23.56
11n HT20	MCS 0	default	64	5320	19.61	19.61	91.411	23.57
11n HT40	MCS 0	default	54	5270	19.46	19.46	88.308	24.00
11n HT40	MCS 0	default	62	5310	19.87	19.87	97.051	24.00
11ac VHT20	NSS1-MCS0	default	52	5260	19.25	19.25	84.140	23.56
11ac VHT20	NSS1-MCS0	default	60	5300	19.35	19.35	86.099	23.56
11ac VHT20	NSS1-MCS0	default	64	5320	19.64	19.64	92.045	23.57
11ac VHT40	NSS1-MCS0	default	54	5270	19.51	19.51	89.331	24.00
11ac VHT40	NSS1-MCS0	default	62	5310	19.92	19.92	98.175	24.00
11ac VHT80	NSS1-MCS0	default	58	5290	18.53	18.53	71.285	24.00



Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	100	5500	19.21	19.21	83.368	23.30
11a	6 Mbps	default	120	5600	18.59	18.59	72.277	23.30
11a	6 Mbps	default	140	5700	18.48	18.48	70.469	23.30
11n HT20	MCS 0	default	100	5500	19.05	19.05	80.353	23.56
11n HT20	MCS 0	default	120	5600	18.74	18.74	74.817	23.57
11n HT20	MCS 0	default	140	5700	18.41	18.41	69.343	23.56
11n HT40	MCS 0	default	102	5510	19.32	19.32	85.507	24.00
11n HT40	MCS 0	default	118	5590	19.01	19.01	79.616	24.00
11n HT40	MCS 0	default	134	5670	18.73	18.73	74.645	24.00
11ac VHT20	NSS1-MCS0	default	100	5500	19.12	19.12	81.658	23.56
11ac VHT20	NSS1-MCS0	default	120	5600	18.79	18.79	75.683	23.57
11ac VHT20	NSS1-MCS0	default	140	5700	18.45	18.45	69.984	23.56
11ac VHT40	NSS1-MCS0	default	102	5510	19.36	19.36	86.298	24.00
11ac VHT40	NSS1-MCS0	default	118	5590	19.05	19.05	80.353	24.00
11ac VHT40	NSS1-MCS0	default	134	5670	18.76	18.76	75.162	24.00
11ac VHT80	NSS1-MCS0	default	106	5530	18.26	18.26	66.988	24.00
11ac VHT80	NSS1-MCS0	default	122	5610	17.94	17.94	62.230	24.00



Modulation Type	Data Rate	Setting	Channel	Frequency (MHz)	Measured value of each antenna port (dBm)	Total power (dBm)	Total power (mW)	FCC Limit (dBm)
					ANT A			
11a	6 Mbps	default	149	5745	19.12	19.12	81.658	30.00
11a	6 Mbps	default	157	5785	18.59	18.59	72.277	30.00
11a	6 Mbps	default	165	5825	18.14	18.14	65.163	30.00
11n HT20	MCS 0	default	149	5745	19.02	19.02	79.799	30.00
11n HT20	MCS 0	default	157	5785	18.55	18.55	71.614	30.00
11n HT20	MCS 0	default	165	5825	18.12	18.12	64.863	30.00
11n HT40	MCS 0	default	151	5755	18.92	18.92	77.983	30.00
11n HT40	MCS 0	default	159	5795	18.57	18.57	71.945	30.00
11ac VHT20	NSS1-MCS0	default	149	5745	19.07	19.07	80.724	30.00
11ac VHT20	NSS1-MCS0	default	157	5785	18.61	18.61	72.611	30.00
11ac VHT20	NSS1-MCS0	default	165	5825	18.17	18.17	65.615	30.00
11ac VHT40	NSS1-MCS0	default	151	5755	18.95	18.95	78.524	30.00
11ac VHT40	NSS1-MCS0	default	159	5795	18.60	18.60	72.444	30.00
11ac VHT80	NSS1-MCS0	default	155	5775	18.07	18.07	64.121	30.00



11. Maximum Power Spectral Density

11.1. Test Limit

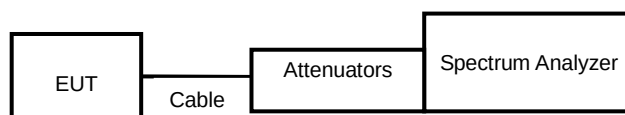
PSD:

Frequency Band		Limit
☒	5.15~5.25GHz	
	Operating Mode	
☐	Outdoor access point	17 dBm/MHz
☐	Indoor access point	17 dBm/MHz
☐	Fixed point-to-point access points	17 dBm/MHz
☒	client devices	11 dBm/MHz
☒	5.250~5.350 GHz	11 dBm/MHz
☒	5.470~5.725 GHz	11 dBm/MHz
☒	5.725~5.85 GHz	30 dBm/500kHz

11.2. Test Procedure

Reference to KDB789033 D02 General UNII Test Procedures New Rules v02r01

11.3. Test Setup Layout





11.4. Test Result and Data

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	36	5180	1.80	1.80	0.13	1.93	11.00
11a	40	5200	2.47	2.47	0.13	2.60	11.00
11a	48	5240	2.60	2.60	0.13	2.73	11.00
11ac VHT20	36	5180	1.38	1.38	0.14	1.52	11.00
11ac VHT20	40	5200	1.91	1.91	0.14	2.05	11.00
11ac VHT20	48	5240	2.13	2.13	0.14	2.27	11.00
11ac VHT40	38	5190	-1.37	-1.37	0.28	-1.09	11.00
11ac VHT40	46	5230	-1.66	-1.66	0.28	-1.38	11.00
11ac VHT80	42	5210	-5.36	-5.36	0.52	-4.84	11.00

In the 5.3G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	52	5260	3.28	3.28	0.13	3.41	11.00
11a	60	5300	3.44	3.44	0.13	3.57	11.00
11a	64	5320	2.40	2.40	0.13	2.53	11.00
11ac VHT20	52	5260	2.61	2.61	0.14	2.75	11.00
11ac VHT20	60	5300	2.66	2.66	0.14	2.80	11.00
11ac VHT20	64	5320	2.63	2.63	0.14	2.77	11.00
11ac VHT40	54	5270	-1.21	-1.21	0.28	-0.93	11.00
11ac VHT40	62	5310	-0.91	-0.91	0.28	-0.63	11.00
11ac VHT80	58	5290	-4.32	-4.32	0.52	-3.80	11.00



In the 5.5G Band

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A				
11a	100	5500	1.55	1.55	0.13	1.68	11.00
11a	120	5600	1.42	1.42	0.13	1.55	11.00
11a	140	5700	1.76	1.76	0.13	1.89	11.00
11ac VHT20	100	5500	0.74	0.74	0.14	0.88	11.00
11ac VHT20	120	5600	0.60	0.60	0.14	0.74	11.00
11ac VHT20	140	5700	0.96	0.96	0.14	1.10	11.00
11ac VHT40	102	5510	-2.51	-2.51	0.28	-2.23	11.00
11ac VHT40	118	5590	-3.29	-3.29	0.28	-3.01	11.00
11ac VHT40	134	5670	-2.84	-2.84	0.28	-2.56	11.00
11ac VHT80	106	5530	-5.89	-5.89	0.52	-5.37	11.00
11ac VHT80	122	5610	-6.31	-6.31	0.52	-5.79	11.00

In the 5.8G Band

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)	Sum chain (dBm)	Duty Cycle CF(dB)	10log(500KHz /RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)
			ANT A				
11a	149	5745	2.93	2.93	0.13	-3.01	0.05
11a	157	5785	2.51	2.51	0.13	-3.01	-0.37
11a	165	5825	2.23	2.23	0.13	-3.01	-0.65
11ac VHT20	149	5745	2.12	2.12	0.14	-3.01	-0.75
11ac VHT20	157	5785	1.65	1.65	0.14	-3.01	-1.23
11ac VHT20	165	5825	1.37	1.37	0.14	-3.01	-1.50
11ac VHT40	151	5755	-1.71	-1.71	0.28	-3.01	-4.44
11ac VHT40	159	5795	-2.15	-2.15	0.28	-3.01	-4.88
11ac VHT80	155	5775	-4.94	-4.94	0.52	-3.01	-7.43



Modulation Type: 802.11a (6Mbps)
CH36



Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH36



CH40



CH40



CH48



CH48





Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH38



Modulation Type: 802.11ac VHT80 (13.5Mbps)
CH42



CH46





Modulation Type: 802.11a (6Mbps)
CH52



Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH52



CH60



CH60



CH64



CH64





Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH54



Modulation Type: 802.11ac VHT80 (13.5Mbps)
CH58



CH62





Modulation Type: 802.11a (6Mbps)
CH100



Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH100



CH120



CH120



CH140



CH140



Modulation Type: 802.11ac VHT40 (6.5Mbps)
CH102

Modulation Type: 802.11ac VHT80 (13.5Mbps)
CH106



CH118



CH122



CH134





Modulation Type: 802.11a (6Mbps)
CH149



Modulation Type: 802.11ac VHT20 (6.5Mbps)
CH149



CH157



CH157



CH165



CH165





Modulation Type: 802.11ac VHT40 (13.5Mbps)
CH151



Modulation Type: 802.11ac VHT80 (29.3Mbps)
CH155



CH159



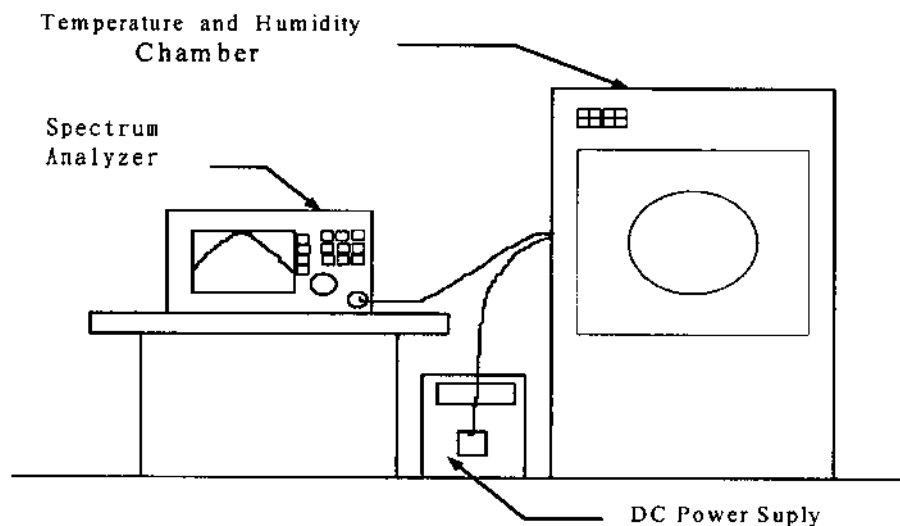


12. Frequency Stability

12.1. Test Procedure

1. The EUT was placed inside the Temperature and Humidity chamber.
2. The transmitter output was connected to spectrum analyzer.
3. Turn the EUT on and couple its output to a spectrum analyzer.
4. Turn the EUT off and set the chamber to the highest temperature specified.
5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
6. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
7. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

12.2. Test Setup Layout





12.3. Test Result and Data

Operating frequency: 5180 MHz							
Temp (°C)	Power supply (V)	2 minute		5 minute		10 minute	
		(MHz)	(%)	(MHz)	(%)	(MHz)	(%)
35	102	5179.9901	-0.000191	5179.9890	-0.000212	5179.9084	-0.001768
	120	5179.9903	-0.000187	5179.9895	-0.000203	5179.9870	-0.000251
	138	5179.9933	-0.000129	5179.9911	-0.000172	5179.9904	-0.000185
20	102	5180.0012	0.000023	5180.0031	0.000060	5180.0017	0.000033
	120	5180.0050	0.000097	5180.0068	0.000131	5180.0064	0.000124
	138	5180.0078	0.000151	5180.0076	0.000147	5180.0082	0.000158
10	102	5180.0334	0.000645	5180.0427	0.000824	5179.9595	-0.000782
	120	5180.0374	0.000722	5180.0468	0.000903	5179.9611	-0.000751
	138	5180.0406	0.000784	5180.0462	0.000892	5179.9765	-0.000454
5	102	5179.9778	-0.000429	5179.9790	-0.000405	5179.9780	-0.000425
	120	5179.9798	-0.000390	5179.9804	-0.000378	5179.9809	-0.000369
	138	5179.9907	-0.000180	5179.9912	-0.000170	5179.9907	-0.000180

Limit:

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.