



FCC RADIO TEST REPORT

Applicant : TRENDNET INC

Address : 20675 MANHATTAN PL, TORRANCE,
CA 90501 USA

Equipment : AX1800 Dual Band WiFi 6 PoE+ Access Point

Model No. : TEW-921DAPxx
(x=0-9,A-Z,"/"or blank for marketing purpose)

Trade Name : TRENDnet

FCC ID. : XU8TEW921DAP

I HEREBY CERTIFY THAT :

The sample was received on Oct. 06, 2020 and the testing was completed on Nov. 12, 2020 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
TEFE2009275	Nov. 17, 2020	Original

Report Type		Description
☐	Original report	NA
☒	Derivative Report	This sample provided has been confirmed to be identical to the original report sample. The only difference are as listed below. As it doesn't affect the test result, the original report number: TEFE2009273 and content will be used. 1.Applicant information. 2.Equipment name. 3.Model number. 4.Trade name.



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	6 dB Bandwidth	PASS
15.407 (a) & (a)(3)	Average Power	PASS
15.407(a)	Power Spectral Density	PASS
15.407(g)	Frequency Stability	PASS
2.1091	Radio Frequency Exposure	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.

*This EUT has been also tested and compiled with the requirement of FCC Part 15, Subpart B, recorded in a separate test report(TEFD2009275).



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Frequency Range	802.11b/g/n/ax: 2412-2462MHz 802.11a/n/ac/ax: 5180-5240MHz, 5745-5825MHz
Modulation Type	WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 256QAM(TurboQAM) 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Modulation Technology	DSSS, OFDM
Data Rate	WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 MCS0 – MCS9, VHT20/40(TurboQAM) 802.11ax: MCS0 – MCS11, HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80 802.11ax: MCS0 – MCS11, HE20/40/80
Antenna Type	PIFA Antenna
Antenna Gain	2412-2462MHz: ANT A:3.2dBi, ANT B:3.1dBi 5180-5240MHz: ANT A:3.8dBi, ANT B:4dBi 5745-5825MHz: ANT A:4.2dBi, ANT B:4dBi
Adapter	1. Brand: APD ,Model: WB-18Q12FK 2. Brand: APD ,Model: WB-18Q12FG 3. Brand: APD ,Model: WB-18Q12FU1

Note:

- 1.WLAN 2.4G 802.11n Support TurboQAM.
- 2.WLAN 2.4GHz 802.11n and TurboQAM and 802.11ax support beamforming Function.
- 3.WLAN 5GHz 802.11ac and 802.11ax support beamforming Function.
- 4.EUT not support TPC Function.
- 5.WLAN 2.4G and WLAN 5G can simultaneously transmission.
- 6.EUT support Master and Client Mode.
- 7.For more details, please refer to the User's manual of the EUT.

Difference description

Model No.	Remark
TEW-921DAPxx	x=0-9,A-Z,"/"or blank for marketing purpose



2.2. Carrier Frequency of Channels

Band: 5150MHz-5250MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

Channel	Frequency(MHz)
*42	5210

Band: 5725MHz -5850MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

Channel	Frequency(MHz)
*155	5775

Note: Channels remarked * are selected to perform test.



2.3. Test Mode and Test Software

- During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
- An executive program, " QRCT ver.4.0.00129.0" under Windows OS system was executed to transmit and receive data via WLAN.
- The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11a (6Mbps) , Power from PoE
2	802.11n HT20 (6.5Mbps) , Power from PoE
3	802.11n HT40 (13.5Mbps) , Power from PoE
4	802.11ac VHT20 (6.5Mbps) , Power from PoE
5	802.11ac VHT40 (13.5Mbps) , Power from PoE
6	802.11ac VHT80 (29.3Mbps) , Power from PoE
7	802.11ax HE20 (7.3Mbps) , Power from PoE
8	802.11ax HE40 (14.6Mbps) , Power from PoE
9	802.11ax HE80 (30.6Mbps) , Power from PoE
10	802.11a (6Mbps) , Power from Adapter
11	802.11n HT20 (6.5Mbps) , Power from Adapter
12	802.11n HT40 (13.5Mbps) , Power from Adapter
13	802.11ac VHT20 (6.5Mbps) , Power from Adapter
14	802.11ac VHT40 (13.5Mbps) , Power from Adapter
15	802.11ac VHT80 (29.3Mbps) , Power from Adapter
16	802.11ax HE20 (7.3Mbps) , Power from Adapter
17	802.11ax HE40 (14.6Mbps) , Power from Adapter
18	802.11ax HE80 (30.6Mbps) , Power from Adapter
caused "Test Mode 1" generated the worst case, it was reported as the final data.	



Radiation Emissions (30MHz ~ 1GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) , Power from PoE
2	802.11n HT20 (6.5Mbps) , Power from PoE
3	802.11n HT40 (13.5Mbps) , Power from PoE
4	802.11ac VHT20 (6.5Mbps) , Power from PoE
5	802.11ac VHT40 (13.5Mbps) , Power from PoE
6	802.11ac VHT80 (29.3Mbps) , Power from PoE
7	802.11ax HE20 (7.3Mbps) , Power from PoE
8	802.11ax HE40 (14.6Mbps) , Power from PoE
9	802.11ax HE80 (30.6Mbps) , Power from PoE
10	802.11a (6Mbps) , Power from Adapter
11	802.11n HT20 (6.5Mbps) , Power from Adapter
12	802.11n HT40 (13.5Mbps) , Power from Adapter
13	802.11ac VHT20 (6.5Mbps) , Power from Adapter
14	802.11ac VHT40 (13.5Mbps) , Power from Adapter
15	802.11ac VHT80 (29.3Mbps) , Power from Adapter
16	802.11ax HE20 (7.3Mbps) , Power from Adapter
17	802.11ax HE40 (14.6Mbps) , Power from Adapter
18	802.11ax HE80 (30.6Mbps) , Power from Adapter
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) , Power from PoE
2	802.11n HT20 (6.5Mbps) , Power from PoE
3	802.11n HT40 (13.5Mbps) , Power from PoE
4	802.11ac VHT20 (6.5Mbps) , Power from PoE
5	802.11ac VHT40 (13.5Mbps) , Power from PoE
6	802.11ac VHT80 (29.3Mbps) , Power from PoE
7	802.11ax HE20 (7.3Mbps) , Power from PoE
8	802.11ax HE40 (14.6Mbps) , Power from PoE
9	802.11ax HE80 (30.6Mbps) , Power from PoE
10	802.11a (6Mbps) , Power from Adapter
11	802.11n HT20 (6.5Mbps) , Power from Adapter
12	802.11n HT40 (13.5Mbps) , Power from Adapter
13	802.11ac VHT20 (6.5Mbps) , Power from Adapter
14	802.11ac VHT40 (13.5Mbps) , Power from Adapter
15	802.11ac VHT80 (29.3Mbps) , Power from Adapter
16	802.11ax HE20 (7.3Mbps) , Power from Adapter
17	802.11ax HE40 (14.6Mbps) , Power from Adapter
18	802.11ax HE80 (30.6Mbps) , Power from Adapter
caused "Test Mode 1, 4~9" generated the worst case, they were reported as the final data.	

Note: Non-Beamforming was used for the test result.



The EUT incorporates a MIMO function

Modulation Type	TX CONFIGURATION
802.11a	2TX
802.11n HT20	2TX
802.11ac VHT20	2TX
802.11ax HE20	2TX
802.11n HT40	2TX
802.11ac VHT40	2TX
802.11ax HE40	2TX
802.11ac VHT80	2TX
802.11ax HE80	2TX

**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
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.8m / NS	N/A
POE	CERIO	POE-S53VG	N/A	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
POE	CERIO	POE-S53VG	N/A	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	1.2m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
POE	CERIO	POE-S53VG	N/A	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	2020/10/29~2020/10/30	24~26℃ / 42~45%	Nick Guan
Radiated Emissions	3M02-NK	2020/10/22~2020/11/06	20~28℃ / 40~47%	Leon Huang
AC Power Line Conducted Emission	CON01-NK	2020/11/08~2020/11/12	25~28℃ / 43~54%	Leon Huang Dian Chen

2.6. Measurement Uncertainty

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.42dB
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	2019/11/07	2020/11/06
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	130606	2020/03/11	2021/03/10
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	2019/11/25	2020/11/24
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



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	2412MHz-2462MHz: ANT A:3.2dBi, ANT B:3.1dBi 5180MHz-5240MHz: ANT A:3.8dBi, ANT B:4dBi 5745MHz-5825MHz: ANT A:4.2dBi, ANT B:4dBi

(Non-Beamforming)

2412-2462MHz
For Power directional gain= $G_{ant} = 3.20$ dBi For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ = 6.16 (dBi)
5150MHz -5250MHz
For Power directional gain= $G_{ant} = 4.00$ dBi For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ = 6.91 (dBi)
5725MHz -5850MHz
For Power directional gain= $G_{ant} = 4.20$ dBi For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ = 7.11 (dBi)

(Beamforming)

2412-2462MHz
For Power directional gain= $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 6.16$ dBi For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 6.16$ (dBi)
5150MHz -5250MHz
For Power directional gain= $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 6.91$ (dBi) For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 6.91$ (dBi)
5725MHz -5850MHz
For Power directional gain= $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 7.11$ (dBi) For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 7.11$ (dBi)



5. Test of AC Power Line Conducted Emission

5.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.4-2014. 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

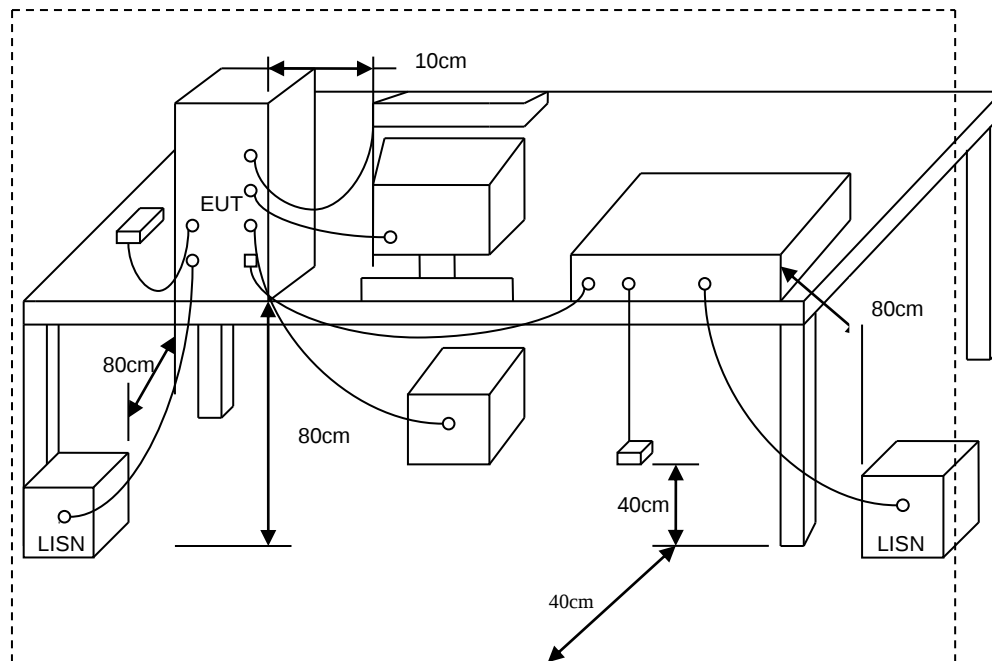
*Decreases with the logarithm of the frequency.

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.



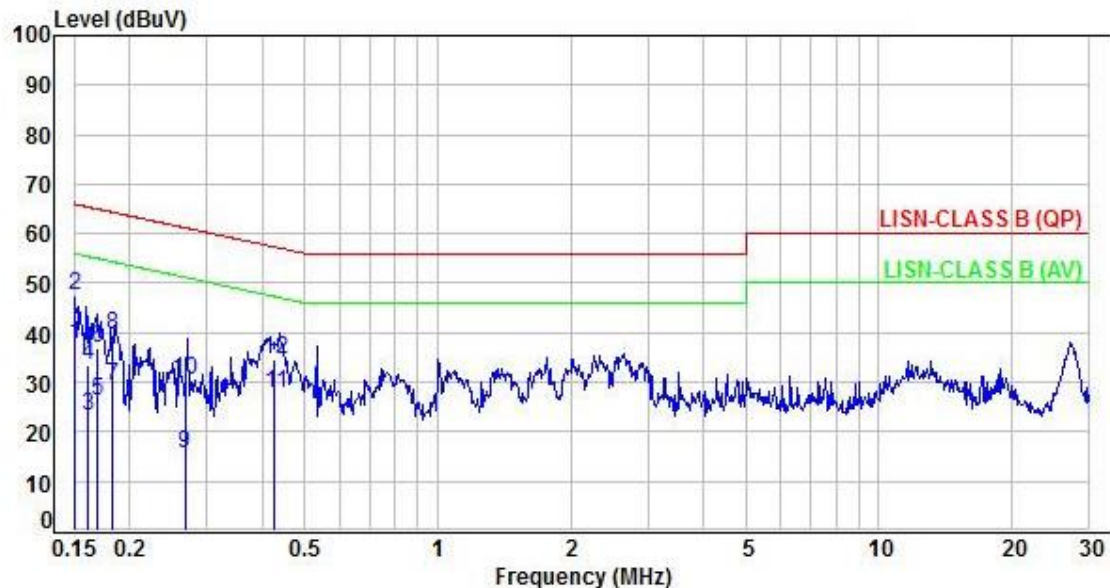
5.3. Typical Test Setup





5.4. Test Result and Data

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



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	10.05	27.58	37.63	55.99	-18.36	Average	P
2	0.15	10.05	37.43	47.48	65.99	-18.51	QP	P
3	0.16	10.05	13.28	23.33	55.37	-32.04	Average	P
4	0.16	10.05	23.56	33.61	65.37	-31.76	QP	P
5	0.17	10.05	16.08	26.13	54.99	-28.86	Average	P
6	0.17	10.05	26.76	36.81	64.99	-28.18	QP	P
7	0.18	10.05	19.34	29.39	54.32	-24.93	Average	P
8	0.18	10.05	29.45	39.50	64.32	-24.82	QP	P
9	0.27	10.05	5.64	15.69	51.21	-35.52	Average	P
10	0.27	10.05	20.31	30.36	61.21	-30.85	QP	P
11	0.43	10.05	17.75	27.80	47.31	-19.51	Average	P
12	0.43	10.05	24.57	34.62	57.31	-22.69	QP	P

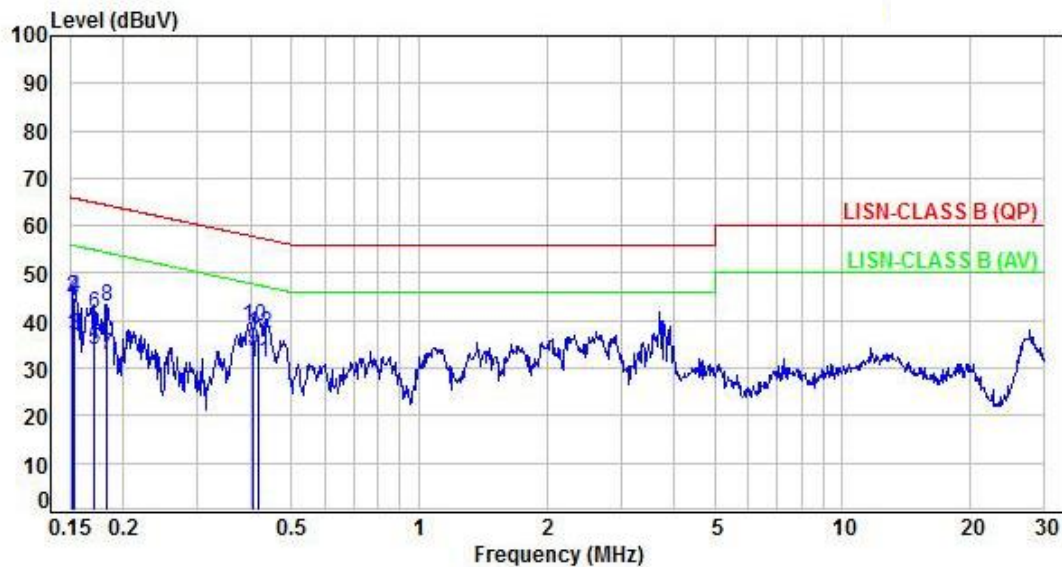
Note: Level=Reading+Factor

Margin=Level-Limit

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



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



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	10.02	26.86	36.88	55.91	-19.03	Average	P
2	0.15	10.02	34.99	45.01	65.91	-20.90	QP	P
3	0.15	10.02	26.97	36.99	55.78	-18.79	Average	P
4	0.15	10.02	34.67	44.69	65.78	-21.09	QP	P
5	0.17	10.02	23.95	33.97	54.90	-20.93	Average	P
6	0.17	10.02	31.30	41.32	64.90	-23.58	QP	P
7	0.18	10.02	22.58	32.60	54.37	-21.77	Average	P
8	0.18	10.02	32.97	42.99	64.37	-21.38	QP	P
9	0.40	10.02	24.00	34.02	47.77	-13.75	Average	P
10	0.40	10.02	28.80	38.82	57.77	-18.95	QP	P
11	0.42	10.02	21.25	31.27	47.51	-16.24	Average	P
12	0.42	10.02	27.43	37.45	57.51	-20.06	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

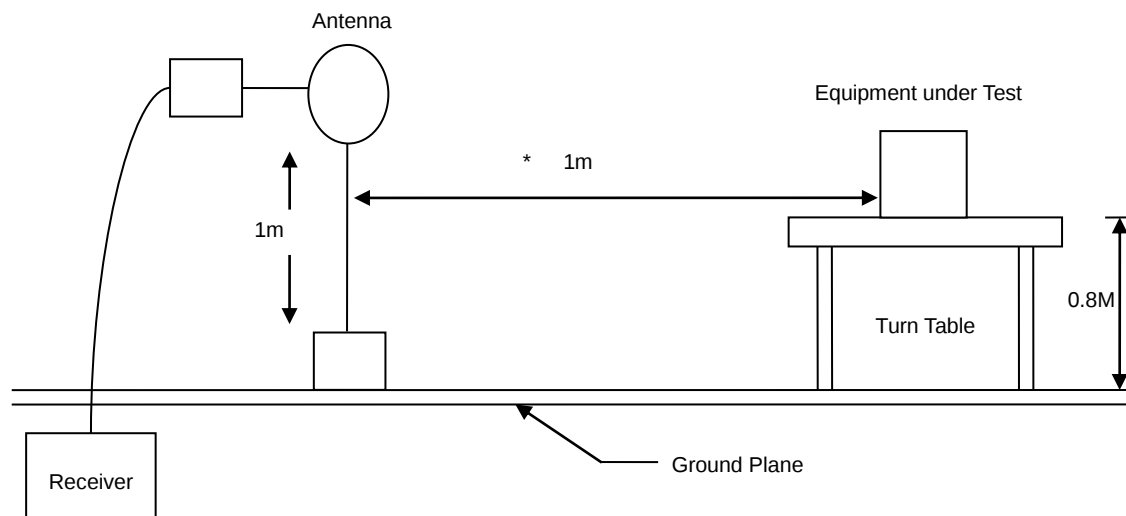
- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- 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.
(Z-AXIS is the worst.)

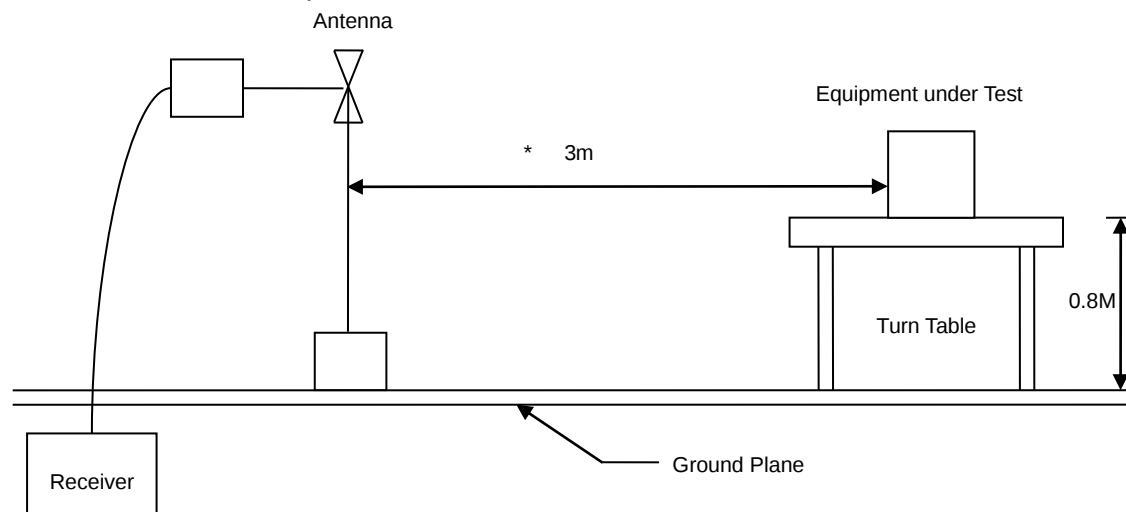


6.3. Typical Test Setup

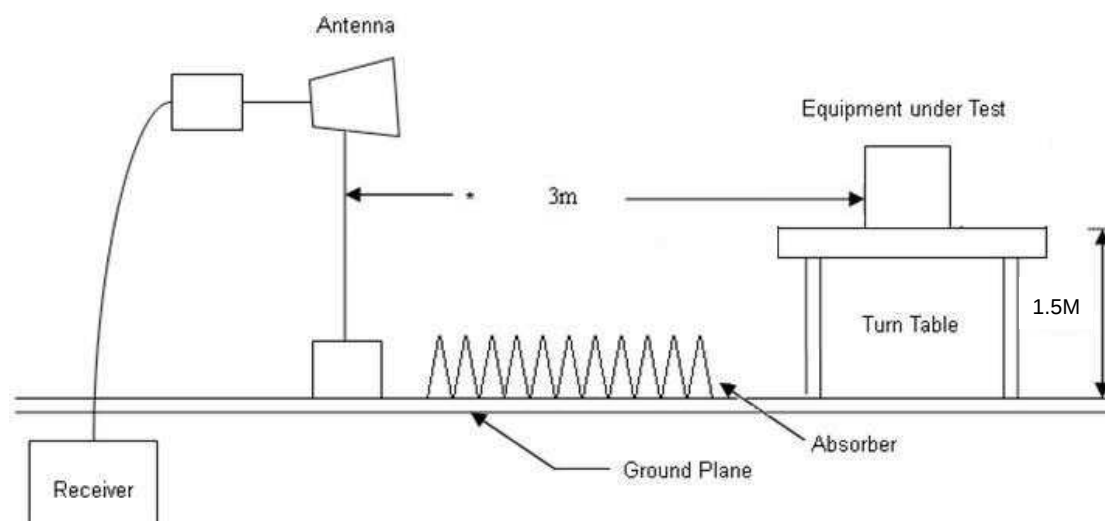
Below 30MHz test setup



30MHz- 1GHz Test Setup



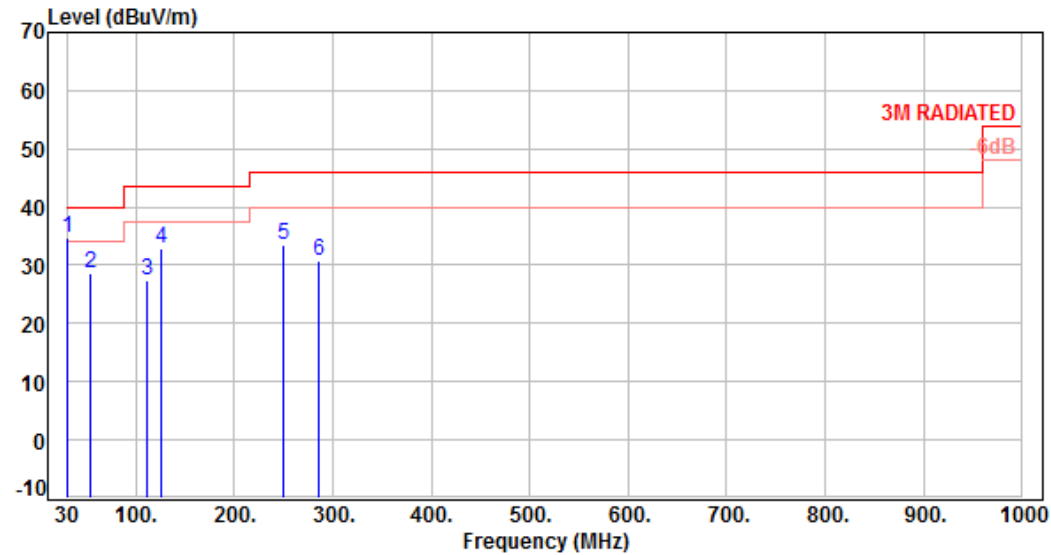
Above 1GHz Test Setup







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



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	45.27	34.85	40.00	-5.15	Peak	100	0	P
2	53.28	-9.49	38.19	28.70	40.00	-11.30	Peak	100	0	P
3	111.48	-12.35	39.72	27.37	43.50	-16.13	Peak	100	0	P
4	125.06	-11.29	44.06	32.77	43.50	-10.73	Peak	100	0	P
5	250.19	-10.34	43.83	33.49	46.00	-12.51	Peak	100	0	P
6	286.08	-8.88	39.71	30.83	46.00	-15.17	Peak	100	0	P

Note: Level=Reading+Factor

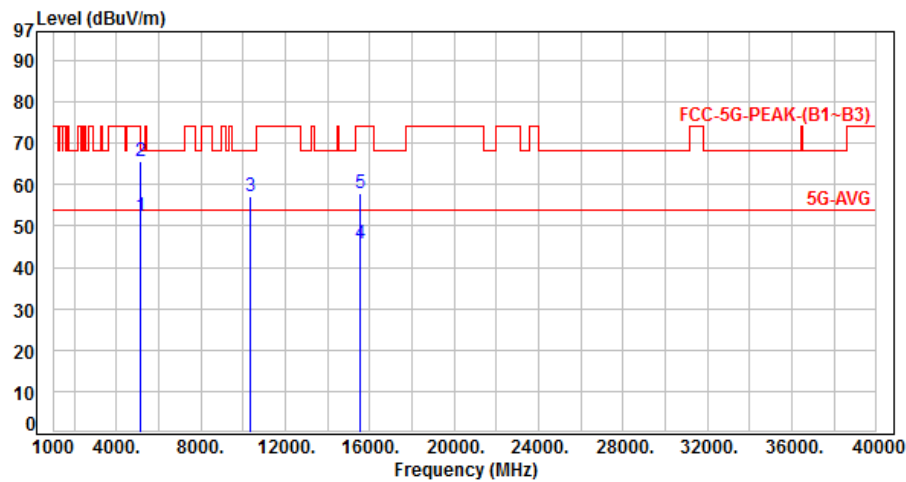
Margin=Level-Limit

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	46.48	52.20	54.00	-1.80	Average	100	310	P
2	5150.00	5.72	60.03	65.75	74.00	-8.25	Peak	100	310	P
3	10360.00	12.85	44.35	57.20	68.20	-11.00	Peak	380	165	P
4	15540.00	15.25	30.41	45.66	54.00	-8.34	Average	100	54	P
5	15540.00	15.25	42.61	57.86	74.00	-16.14	Peak	100	54	P

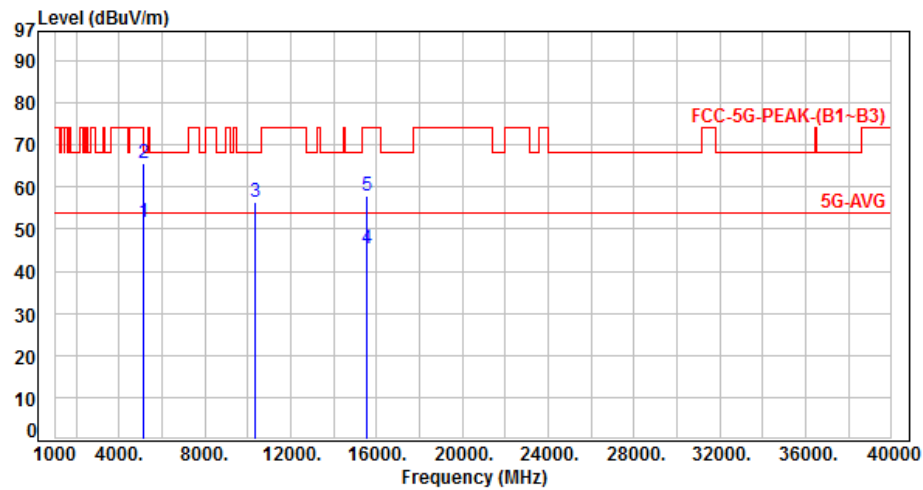
Note: Level=Reading+Factor

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	46.06	51.78	54.00	-2.22	Average	180	360	P
2	5150.00	5.72	59.83	65.55	74.00	-8.45	Peak	180	360	P
3	10360.00	12.85	43.44	56.29	68.20	-11.91	Peak	100	220	P
4	15540.00	15.25	30.21	45.46	54.00	-8.54	Average	100	33	P
5	15540.00	15.25	42.51	57.76	74.00	-16.24	Peak	100	33	P

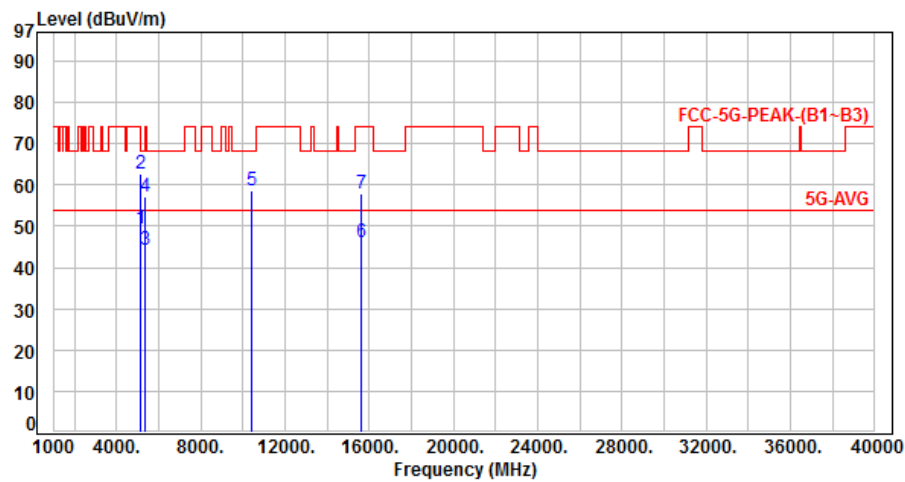
Note: Level=Reading+Factor

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	43.52	49.24	54.00	-4.76	Average	300	0	P
2	5150.00	5.72	57.09	62.81	74.00	-11.19	Peak	300	0	P
3	5350.00	6.12	38.30	44.42	54.00	-9.58	Average	300	0	P
4	5350.00	6.12	51.04	57.16	74.00	-16.84	Peak	300	0	P
5	10400.00	12.90	45.66	58.56	68.20	-9.64	Peak	398	175	P
6	15600.00	14.85	31.38	46.23	54.00	-7.77	Average	100	355	P
7	15600.00	14.85	43.16	58.01	74.00	-15.99	Peak	100	355	P

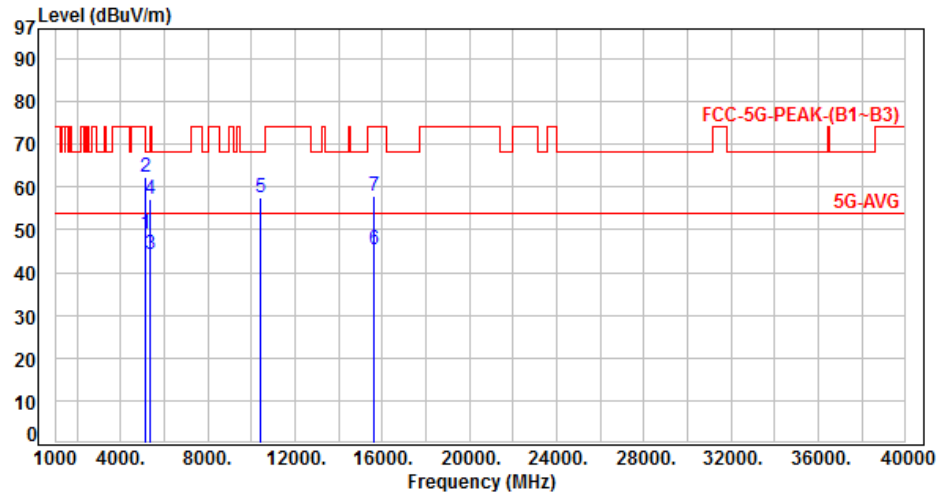
Note: Level=Reading+Factor

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	43.37	49.09	54.00	-4.91	Average	100	360	P
2	5150.00	5.72	56.61	62.33	74.00	-11.67	Peak	100	360	P
3	5350.00	6.12	38.09	44.21	54.00	-9.79	Average	100	360	P
4	5350.00	6.12	50.93	57.05	74.00	-16.95	Peak	100	360	P
5	10400.00	12.90	44.59	57.49	68.20	-10.71	Peak	110	220	P
6	15600.00	14.85	30.41	45.26	54.00	-8.74	Average	100	291	P
7	15600.00	14.85	43.21	58.06	74.00	-15.94	Peak	100	291	P

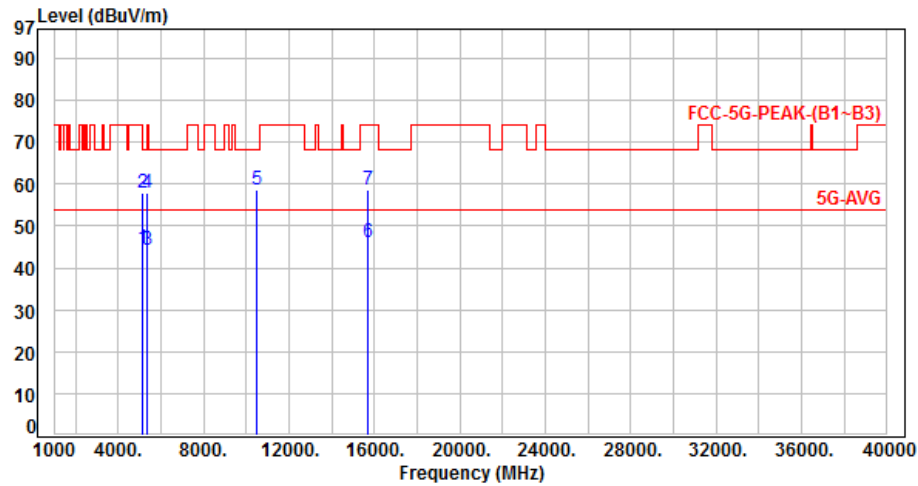
Note: Level=Reading+Factor

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	39.01	44.73	54.00	-9.27	Average	100	280	P
2	5150.00	5.72	52.25	57.97	74.00	-16.03	Peak	100	280	P
3	5350.00	6.12	37.99	44.11	54.00	-9.89	Average	100	280	P
4	5350.00	6.12	51.71	57.83	74.00	-16.17	Peak	100	280	P
5	10480.00	13.03	45.51	58.54	68.20	-9.66	Peak	392	178	P
6	15720.00	14.51	31.68	46.19	54.00	-7.81	Average	220	160	P
7	15720.00	14.51	44.25	58.76	74.00	-15.24	Peak	220	160	P

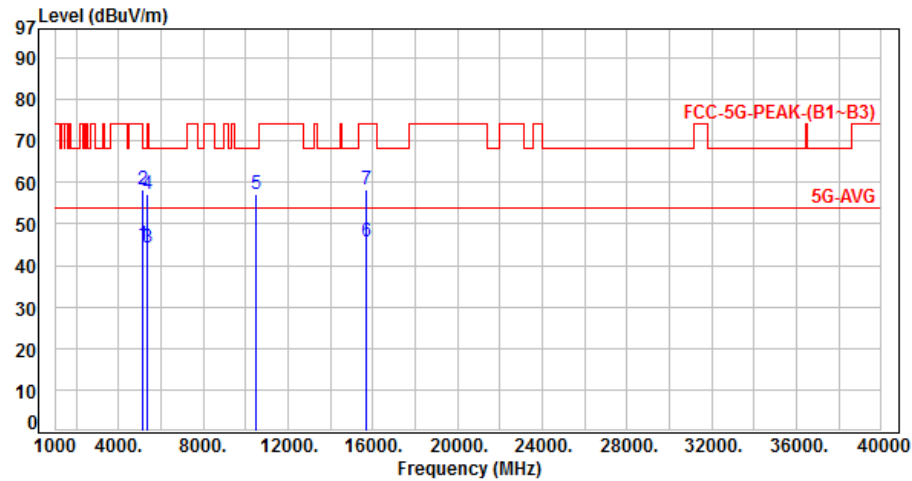
Note: Level=Reading+Factor

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	39.10	44.82	54.00	-9.18	Average	100	215	P
2	5150.00	5.72	52.52	58.24	74.00	-15.76	Peak	100	215	P
3	5350.00	6.12	38.28	44.40	54.00	-9.60	Average	100	215	P
4	5350.00	6.12	51.11	57.23	74.00	-16.77	Peak	100	215	P
5	10480.00	13.03	44.20	57.23	68.20	-10.97	Peak	190	207	P
6	15720.00	14.51	31.34	45.85	54.00	-8.15	Average	100	174	P
7	15720.00	14.51	43.78	58.29	74.00	-15.71	Peak	100	174	P

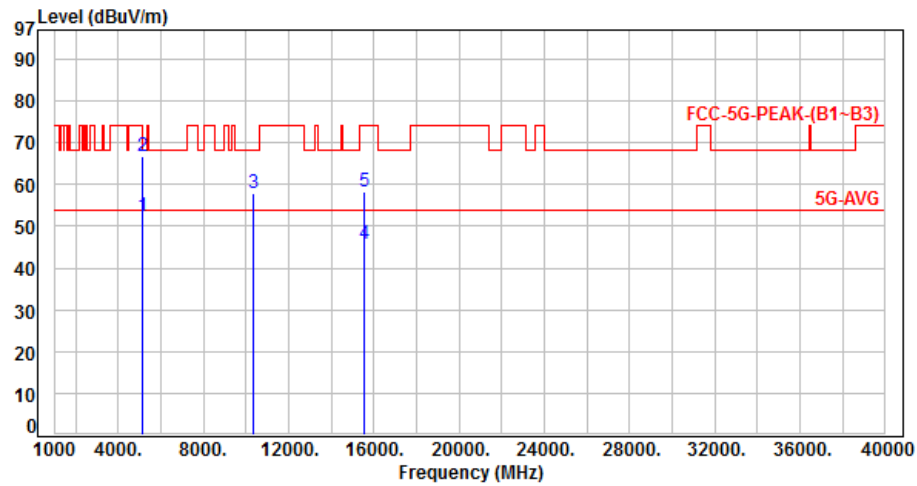
Note: Level=Reading+Factor

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	46.54	52.26	54.00	-1.74	Average	125	320	P
2	5150.00	5.72	61.14	66.86	74.00	-7.14	Peak	125	320	P
3	10360.00	12.85	44.94	57.79	68.20	-10.41	Peak	390	175	P
4	15540.00	15.25	30.35	45.60	54.00	-8.40	Average	100	45	P
5	15540.00	15.25	42.85	58.10	74.00	-15.90	Peak	100	45	P

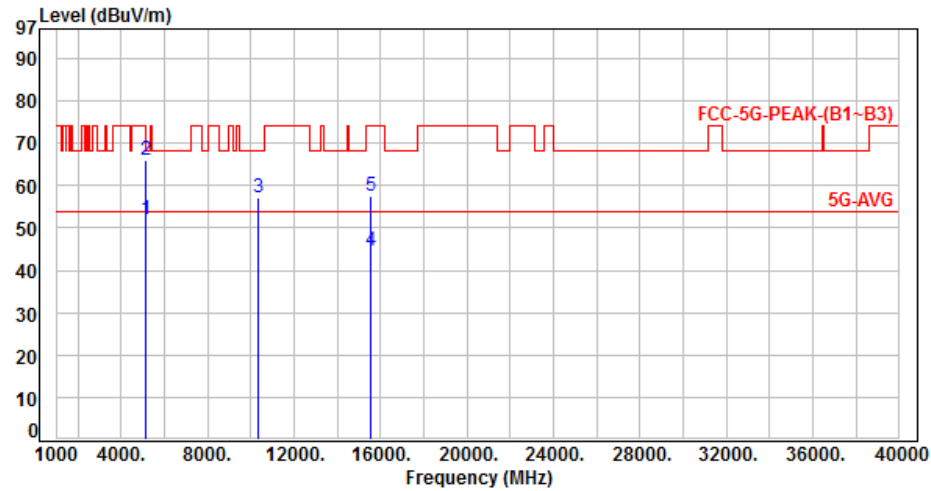
Note: Level=Reading+Factor

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	46.13	51.85	54.00	-2.15	Average	285	0	P
2	5150.00	5.72	60.37	66.09	74.00	-7.91	Peak	285	0	P
3	10360.00	12.85	44.34	57.19	68.20	-11.01	Peak	100	220	P
4	15540.00	15.25	29.25	44.50	54.00	-9.50	Average	100	355	P
5	15540.00	15.25	42.34	57.59	74.00	-16.41	Peak	100	355	P

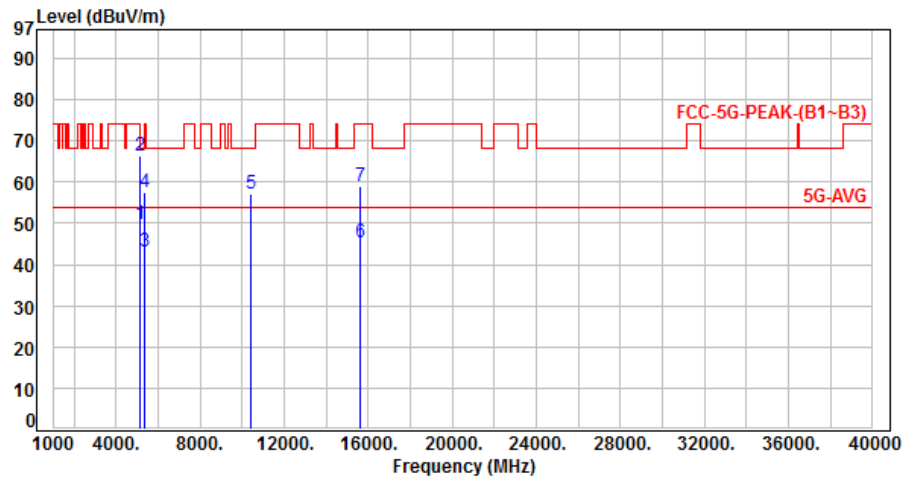
Note: Level=Reading+Factor

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	44.01	49.73	54.00	-4.27	Average	125	315	P
2	5150.00	5.72	60.53	66.25	74.00	-7.75	Peak	125	315	P
3	5350.00	6.12	37.08	43.20	54.00	-10.80	Average	125	315	P
4	5350.00	6.12	51.27	57.39	74.00	-16.61	Peak	125	315	P
5	10400.00	12.90	44.12	57.02	68.20	-11.18	Peak	100	160	P
6	15600.00	14.85	30.60	45.45	54.00	-8.55	Average	100	190	P
7	15600.00	14.85	44.19	59.04	74.00	-14.96	Peak	100	190	P

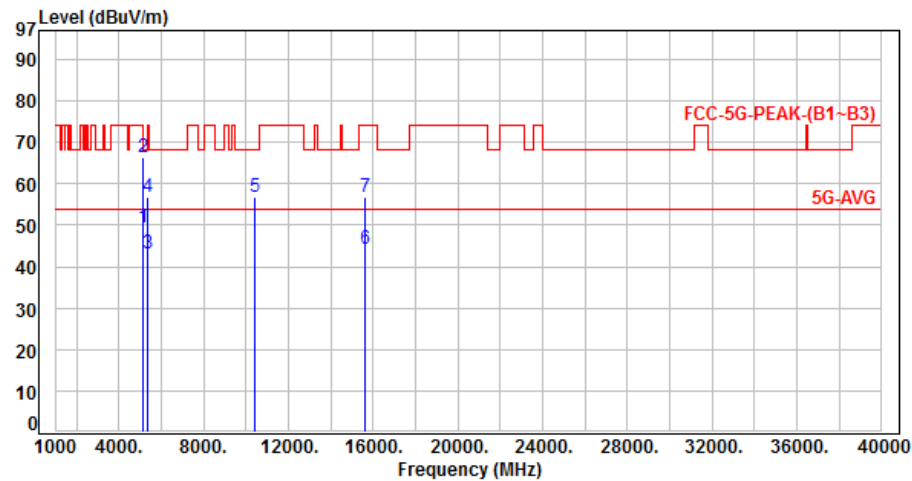
Note: Level=Reading+Factor

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	43.81	49.53	54.00	-4.47	Average	180	0	P
2	5150.00	5.72	60.82	66.54	74.00	-7.46	Peak	180	0	P
3	5350.00	6.12	36.99	43.11	54.00	-10.89	Average	180	0	P
4	5350.00	6.12	50.86	56.98	74.00	-17.02	Peak	180	0	P
5	10400.00	12.90	43.94	56.84	68.20	-11.36	Peak	183	205	P
6	15600.00	14.85	29.44	44.29	54.00	-9.71	Average	100	270	P
7	15600.00	14.85	41.99	56.84	74.00	-17.16	Peak	100	270	P

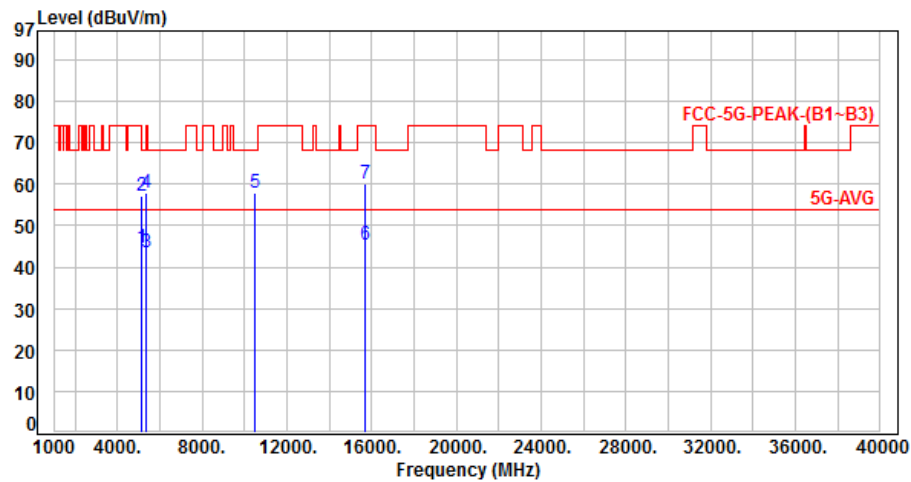
Note: Level=Reading+Factor

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	38.85	44.57	54.00	-9.43	Average	100	10	P
2	5150.00	5.72	51.33	57.05	74.00	-16.95	Peak	100	10	P
3	5350.00	6.12	37.54	43.66	54.00	-10.34	Average	100	10	P
4	5350.00	6.12	51.62	57.74	74.00	-16.26	Peak	100	10	P
5	10480.00	13.03	44.95	57.98	68.20	-10.22	Peak	382	168	P
6	15720.00	14.51	30.93	45.44	54.00	-8.56	Average	100	190	P
7	15720.00	14.51	45.73	60.24	74.00	-13.76	Peak	100	190	P

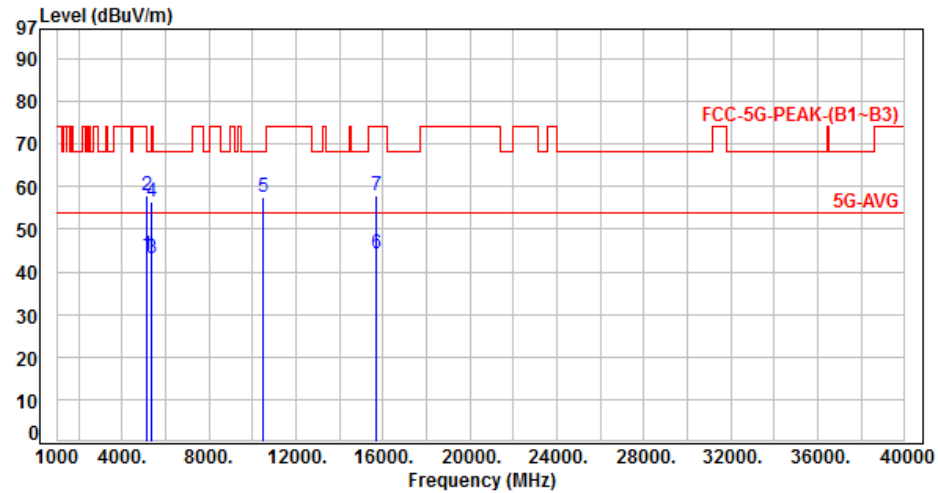
Note: Level=Reading+Factor

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	38.32	44.04	54.00	-9.96	Average	100	32	P
2	5150.00	5.72	52.08	57.80	74.00	-16.20	Peak	100	32	P
3	5350.00	6.12	37.05	43.17	54.00	-10.83	Average	100	32	P
4	5350.00	6.12	50.42	56.54	74.00	-17.46	Peak	100	32	P
5	10480.00	13.03	44.35	57.38	68.20	-10.82	Peak	178	152	P
6	15720.00	14.51	29.87	44.38	54.00	-9.62	Average	100	251	P
7	15720.00	14.51	43.35	57.86	74.00	-16.14	Peak	100	251	P

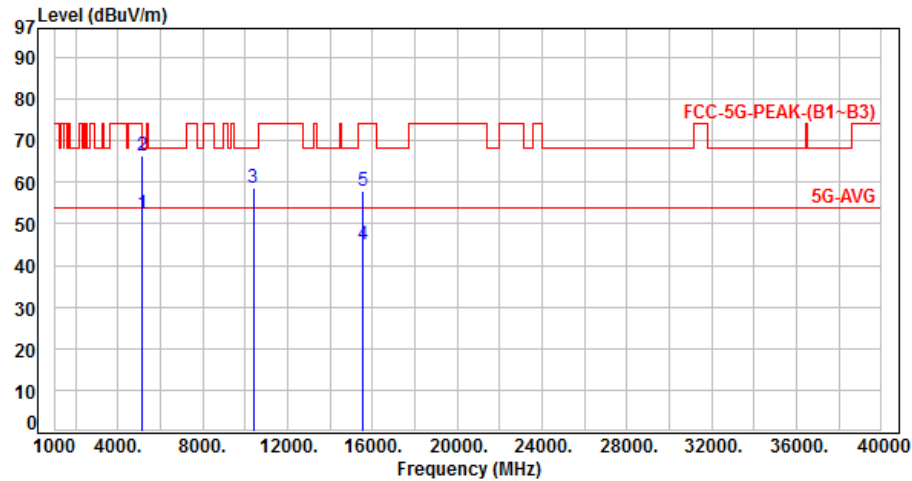
Note: Level=Reading+Factor

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	46.52	52.24	54.00	-1.76	Average	145	325	P
2	5150.00	5.72	60.61	66.33	74.00	-7.67	Peak	145	325	P
3	10380.00	12.87	45.68	58.55	68.20	-9.65	Peak	391	180	P
4	15570.00	15.05	29.97	45.02	54.00	-8.98	Average	100	136	P
5	15570.00	15.05	42.78	57.83	74.00	-16.17	Peak	100	136	P

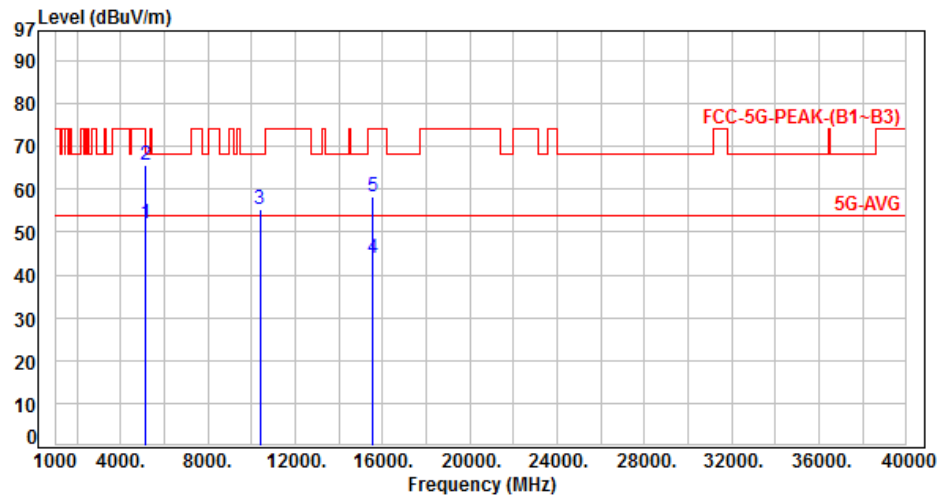
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 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	46.43	52.15	54.00	-1.85	Average	270	0	P
2	5150.00	5.72	60.03	65.75	74.00	-8.25	Peak	270	0	P
3	10380.00	12.87	42.46	55.33	68.20	-12.87	Peak	400	168	P
4	15570.00	15.05	28.88	43.93	54.00	-10.07	Average	100	55	P
5	15570.00	15.05	43.11	58.16	74.00	-15.84	Peak	100	55	P

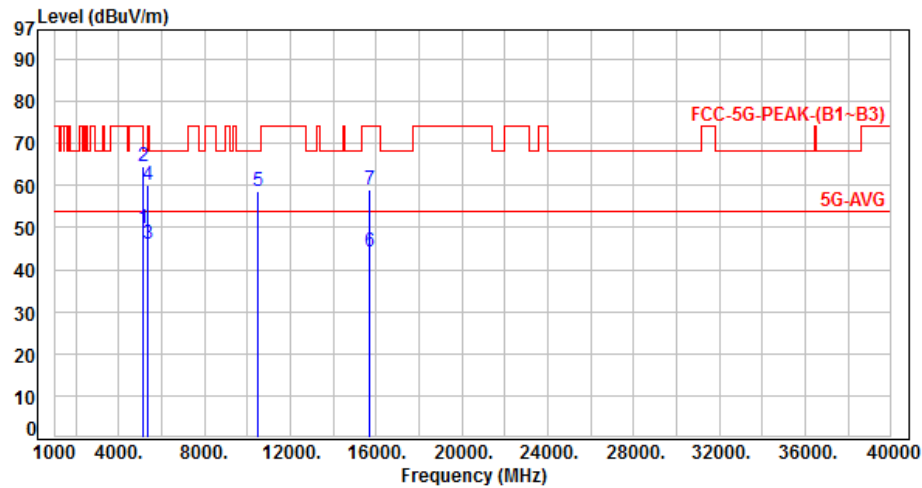
Note: Level=Reading+Factor

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	44.08	49.80	54.00	-4.20	Average	155	320	P
2	5150.00	5.72	58.96	64.68	74.00	-9.32	Peak	155	320	P
3	5350.00	6.12	40.13	46.25	54.00	-7.75	Average	155	320	P
4	5350.00	6.12	54.07	60.19	74.00	-13.81	Peak	155	320	P
5	10460.00	13.00	45.52	58.52	68.20	-9.68	Peak	395	180	P
6	15690.00	14.52	29.66	44.18	54.00	-9.82	Average	100	152	P
7	15690.00	14.52	44.31	58.83	74.00	-15.17	Peak	100	152	P

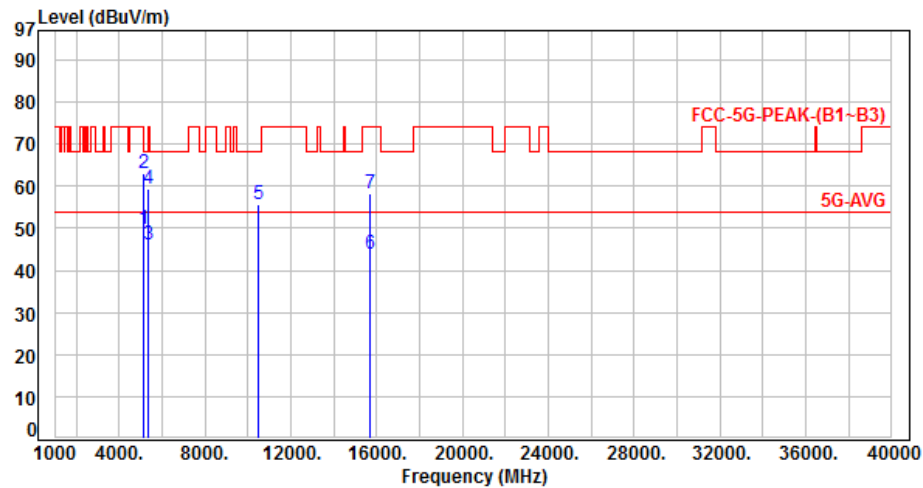
Note: Level=Reading+Factor

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	43.91	49.63	54.00	-4.37	Average	263	0	P
2	5150.00	5.72	57.45	63.17	74.00	-10.83	Peak	263	0	P
3	5350.00	6.12	39.97	46.09	54.00	-7.91	Average	263	0	P
4	5350.00	6.12	53.42	59.54	74.00	-14.46	Peak	263	0	P
5	10460.00	13.00	42.79	55.79	68.20	-12.41	Peak	400	165	P
6	15690.00	14.52	29.52	44.04	54.00	-9.96	Average	100	86	P
7	15690.00	14.52	43.88	58.40	74.00	-15.60	Peak	100	86	P

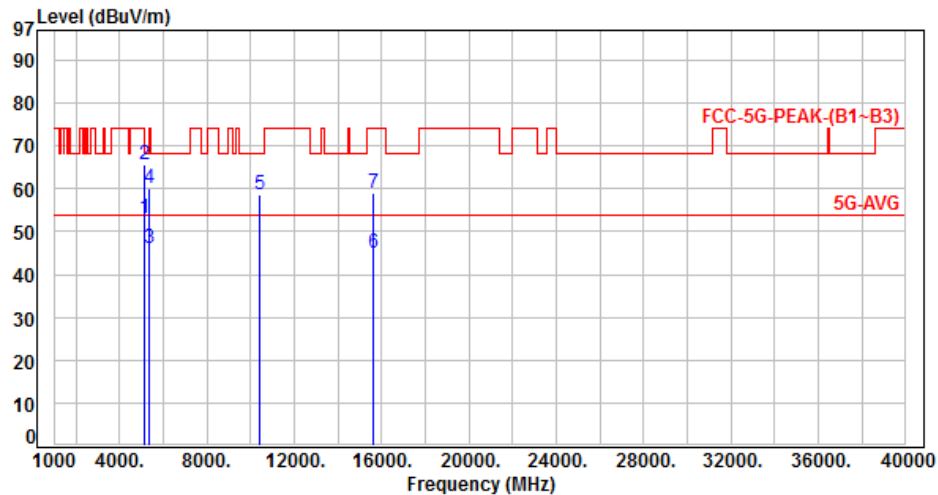
Note: Level=Reading+Factor

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	47.24	52.96	54.00	-1.04	Average	135	325	P
2	5150.00	5.72	60.00	65.72	74.00	-8.28	Peak	135	325	P
3	5350.00	6.12	39.83	45.95	54.00	-8.05	Average	135	325	P
4	5350.00	6.12	54.18	60.30	74.00	-13.70	Peak	135	325	P
5	10420.00	12.94	45.63	58.57	68.20	-9.63	Peak	400	180	P
6	15630.00	14.74	30.32	45.06	54.00	-8.94	Average	100	243	P
7	15630.00	14.74	44.16	58.90	74.00	-15.10	Peak	100	243	P

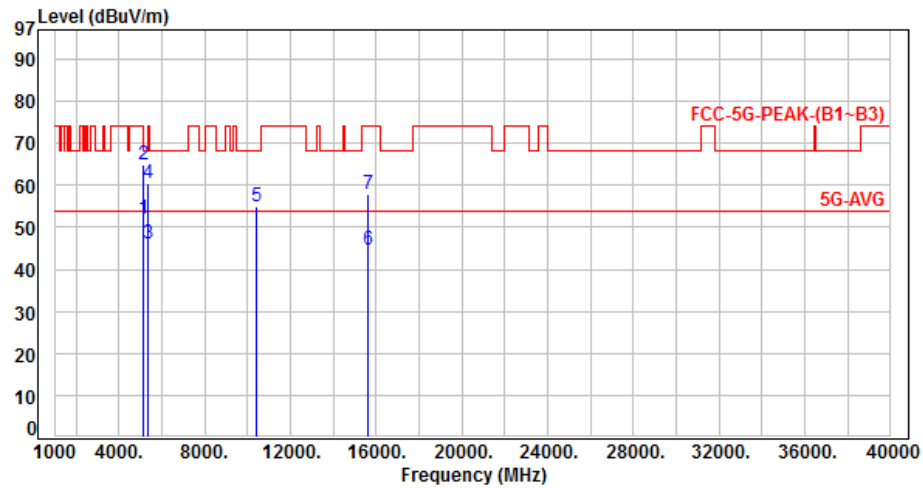
Note: Level=Reading+Factor

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	46.37	52.09	54.00	-1.91	Average	240	15	P
2	5150.00	5.72	59.03	64.75	74.00	-9.25	Peak	240	15	P
3	5350.00	6.12	39.87	45.99	54.00	-8.01	Average	240	15	P
4	5350.00	6.12	54.30	60.42	74.00	-13.58	Peak	240	15	P
5	10420.00	12.94	42.18	55.12	68.20	-13.08	Peak	400	167	P
6	15630.00	14.74	30.04	44.78	54.00	-9.22	Average	100	74	P
7	15630.00	14.74	42.98	57.72	74.00	-16.28	Peak	100	74	P

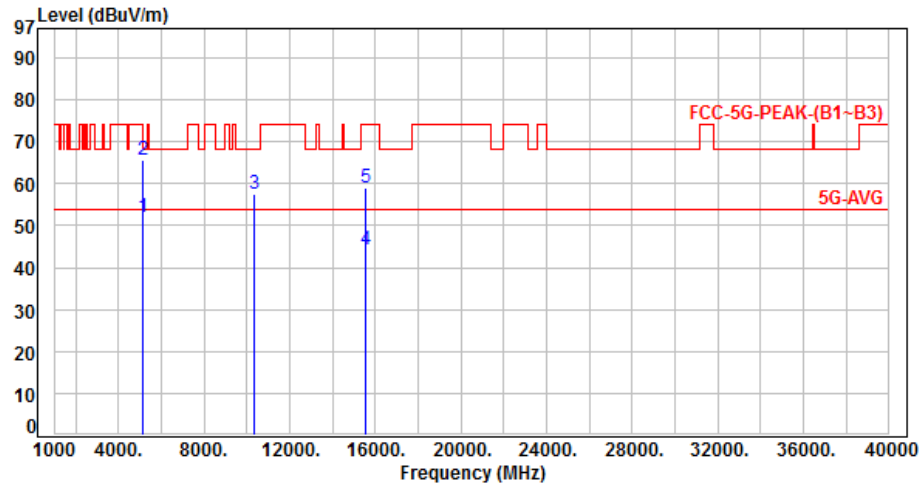
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, 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	46.33	52.05	54.00	-1.95	Average	400	320	P
2	5150.00	5.72	59.78	65.50	74.00	-8.50	Peak	400	320	P
3	10360.00	12.85	44.68	57.53	68.20	-10.67	Peak	381	165	P
4	15540.00	15.25	29.17	44.42	54.00	-9.58	Average	100	150	P
5	15540.00	15.25	43.81	59.06	74.00	-14.94	Peak	100	150	P

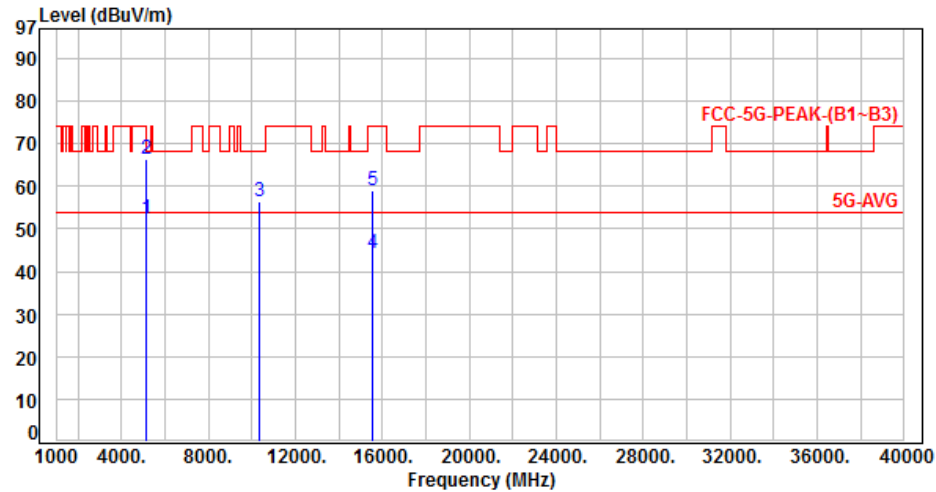
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, 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	46.80	52.52	54.00	-1.48	Average	110	10	P
2	5150.00	5.72	60.72	66.44	74.00	-7.56	Peak	110	10	P
3	10360.00	12.85	43.69	56.54	68.20	-11.66	Peak	100	220	P
4	15540.00	15.25	29.15	44.40	54.00	-9.60	Average	100	77	P
5	15540.00	15.25	43.58	58.83	74.00	-15.17	Peak	100	77	P

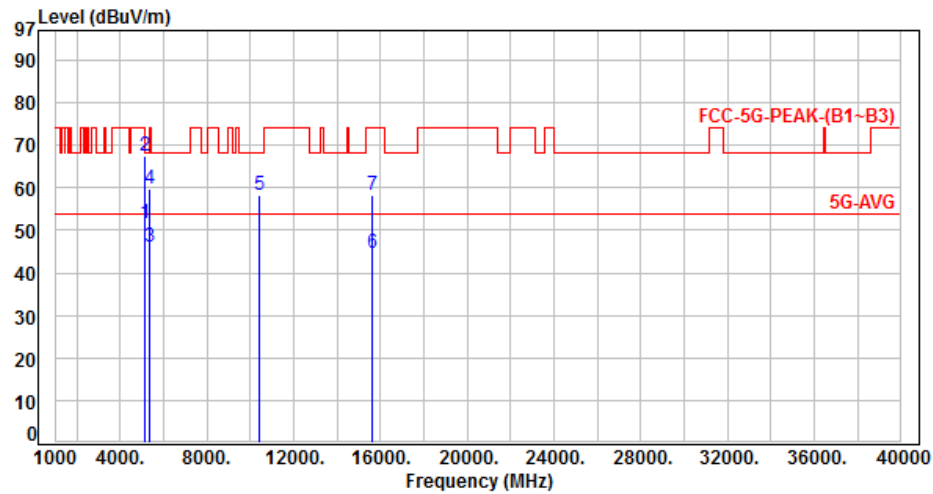
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, 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	45.81	51.53	54.00	-2.47	Average	125	320	P
2	5150.00	5.72	61.93	67.65	74.00	-6.35	Peak	125	320	P
3	5350.00	6.12	39.97	46.09	54.00	-7.91	Average	400	320	P
4	5350.00	6.12	53.70	59.82	74.00	-14.18	Peak	400	320	P
5	10400.00	12.90	45.45	58.35	68.20	-9.85	Peak	397	180	P
6	15600.00	14.85	29.77	44.62	54.00	-9.38	Average	100	40	P
7	15600.00	14.85	43.54	58.39	74.00	-15.61	Peak	100	40	P

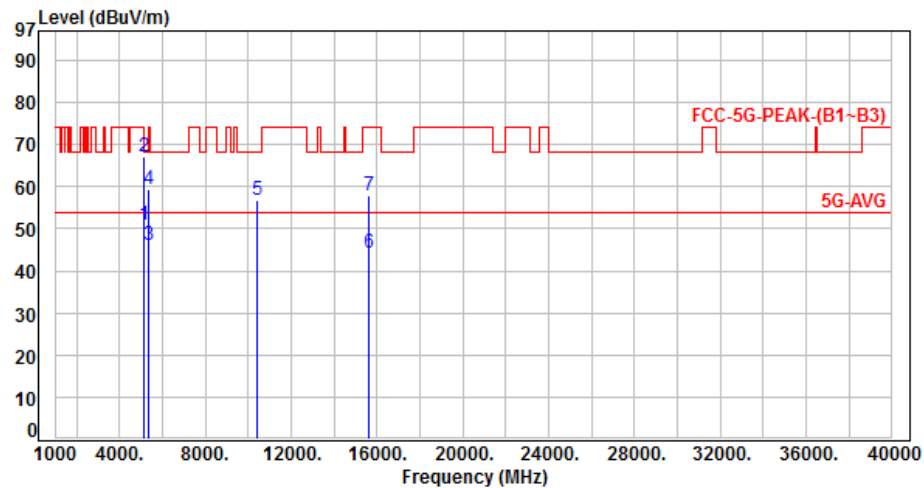
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, 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	45.27	50.99	54.00	-3.01	Average	115	0	P
2	5150.00	5.72	61.27	66.99	74.00	-7.01	Peak	115	0	P
3	5350.00	6.12	39.85	45.97	54.00	-8.03	Average	115	0	P
4	5350.00	6.12	53.44	59.56	74.00	-14.44	Peak	115	0	P
5	10400.00	12.90	43.72	56.62	68.20	-11.58	Peak	200	205	P
6	15600.00	14.85	29.43	44.28	54.00	-9.72	Average	100	281	P
7	15600.00	14.85	43.21	58.06	74.00	-15.94	Peak	100	281	P

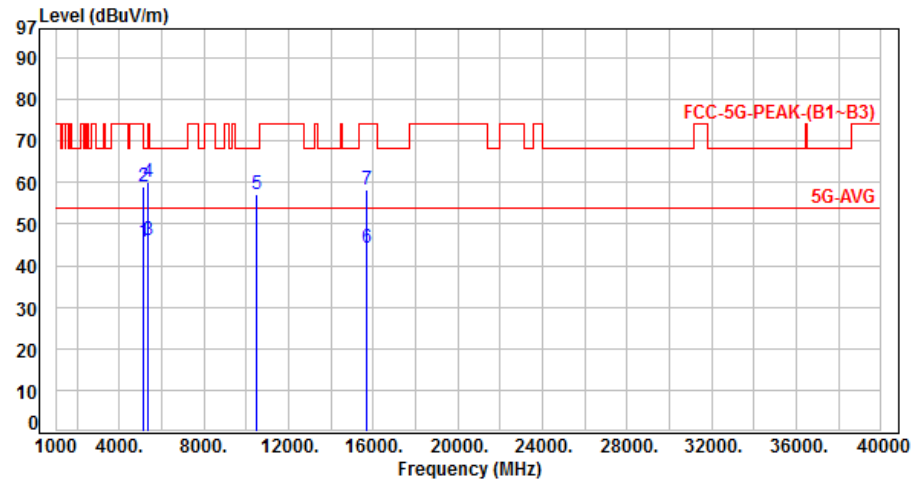
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, 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	40.09	45.81	54.00	-8.19	Average	100	335	P
2	5150.00	5.72	53.14	58.86	74.00	-15.14	Peak	100	335	P
3	5350.00	6.12	40.00	46.12	54.00	-7.88	Average	100	335	P
4	5350.00	6.12	54.16	60.28	74.00	-13.72	Peak	100	335	P
5	10480.00	13.03	44.04	57.07	68.20	-11.13	Peak	110	160	P
6	15720.00	14.51	29.80	44.31	54.00	-9.69	Average	100	300	P
7	15720.00	14.51	43.91	58.42	74.00	-15.58	Peak	100	300	P

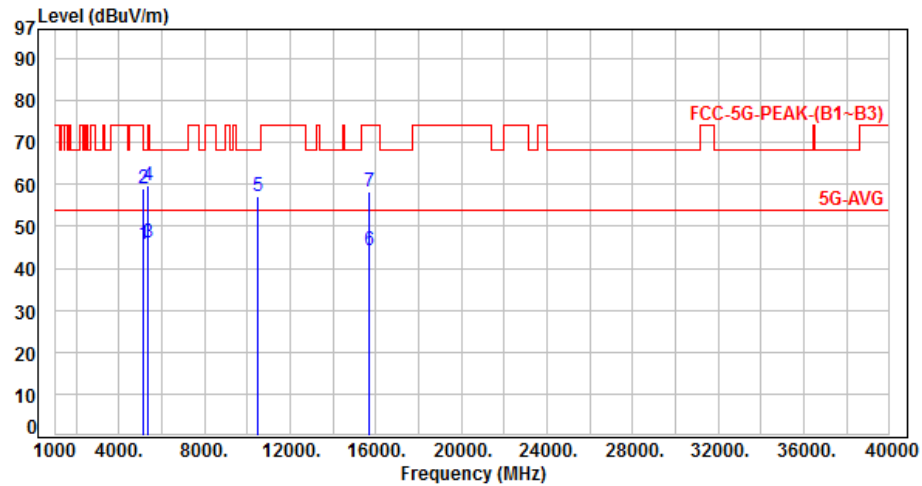
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, 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	40.13	45.85	54.00	-8.15	Average	100	20	P
2	5150.00	5.72	53.22	58.94	74.00	-15.06	Peak	100	20	P
3	5350.00	6.12	40.02	46.14	54.00	-7.86	Average	100	20	P
4	5350.00	6.12	53.57	59.69	74.00	-14.31	Peak	100	20	P
5	10480.00	13.03	43.98	57.01	68.20	-11.19	Peak	100	235	P
6	15720.00	14.51	29.67	44.18	54.00	-9.82	Average	100	235	P
7	15720.00	14.51	43.82	58.33	74.00	-15.67	Peak	100	235	P

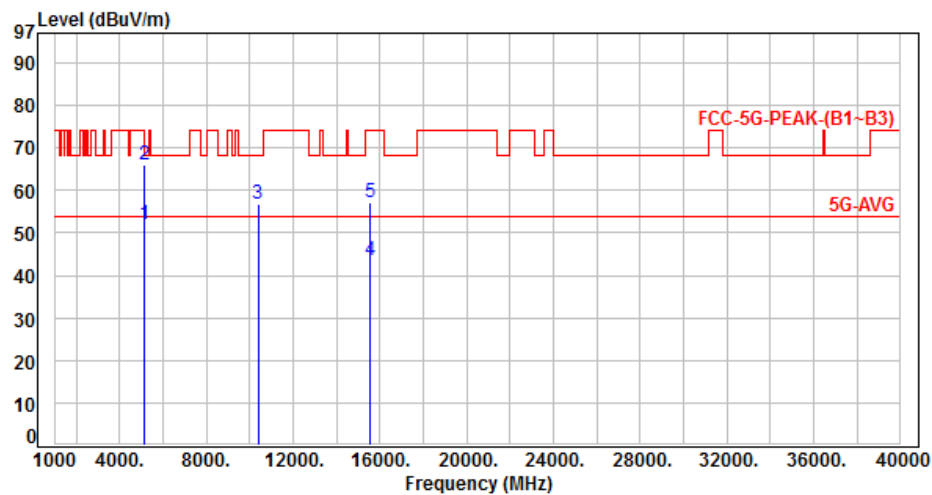
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 8, 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	46.17	51.89	54.00	-2.11	Average	160	310	P
2	5150.00	5.72	60.18	65.90	74.00	-8.10	Peak	160	310	P
3	10380.00	12.87	43.96	56.83	68.20	-11.37	Peak	205	187	P
4	15570.00	15.05	28.56	43.61	54.00	-10.39	Average	100	95	P
5	15570.00	15.05	42.13	57.18	74.00	-16.82	Peak	100	95	P

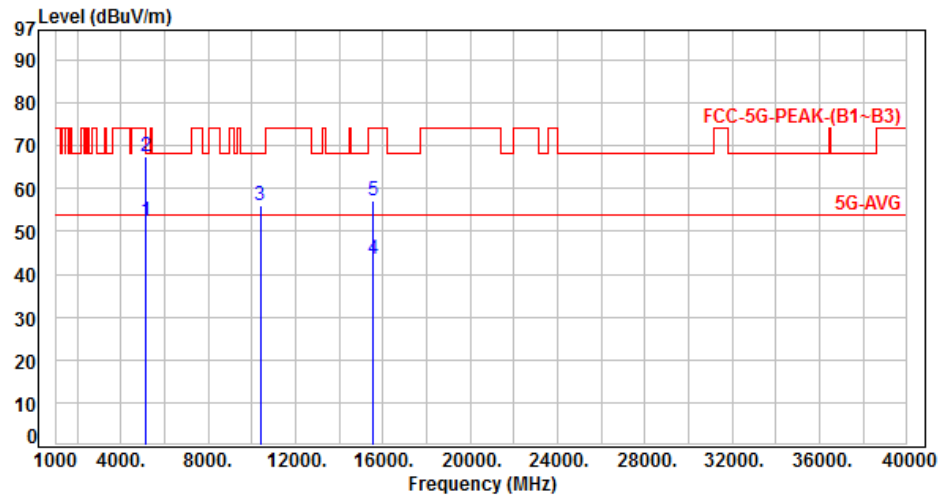
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, 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	46.62	52.34	54.00	-1.66	Average	115	360	P
2	5150.00	5.72	61.60	67.32	74.00	-6.68	Peak	115	360	P
3	10380.00	12.87	43.13	56.00	68.20	-12.20	Peak	170	0	P
4	15570.00	15.05	28.33	43.38	54.00	-10.62	Average	100	115	P
5	15570.00	15.05	42.03	57.08	74.00	-16.92	Peak	100	115	P

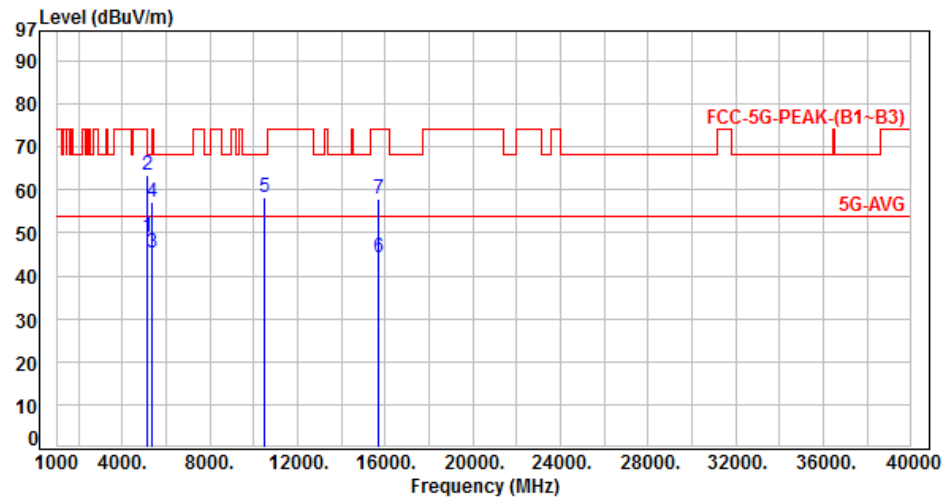
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, 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	43.18	48.90	54.00	-5.10	Average	125	320	P
2	5150.00	5.72	57.84	63.56	74.00	-10.44	Peak	125	320	P
3	5350.00	6.12	39.33	45.45	54.00	-8.55	Average	125	320	P
4	5350.00	6.12	51.16	57.28	74.00	-16.72	Peak	125	320	P
5	10460.00	13.00	45.38	58.38	68.20	-9.82	Peak	203	165	P
6	15690.00	14.52	29.61	44.13	54.00	-9.87	Average	100	145	P
7	15690.00	14.52	43.45	57.97	74.00	-16.03	Peak	100	145	P

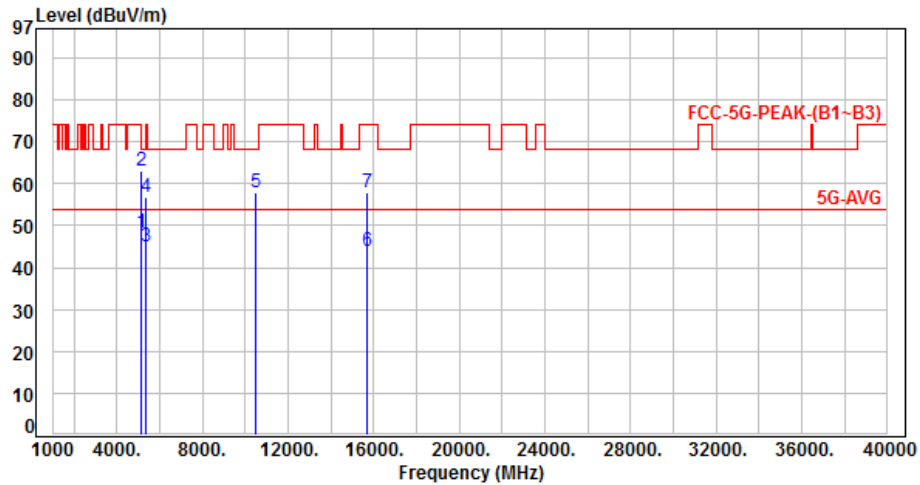
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 8, 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	42.65	48.37	54.00	-5.63	Average	230	0	P
2	5150.00	5.72	57.42	63.14	74.00	-10.86	Peak	230	0	P
3	5350.00	6.12	39.00	45.12	54.00	-8.88	Average	230	0	P
4	5350.00	6.12	50.67	56.79	74.00	-17.21	Peak	230	0	P
5	10460.00	13.00	45.07	58.07	68.20	-10.13	Peak	100	215	P
6	15690.00	14.52	29.54	44.06	54.00	-9.94	Average	100	330	P
7	15690.00	14.52	43.48	58.00	74.00	-16.00	Peak	100	330	P

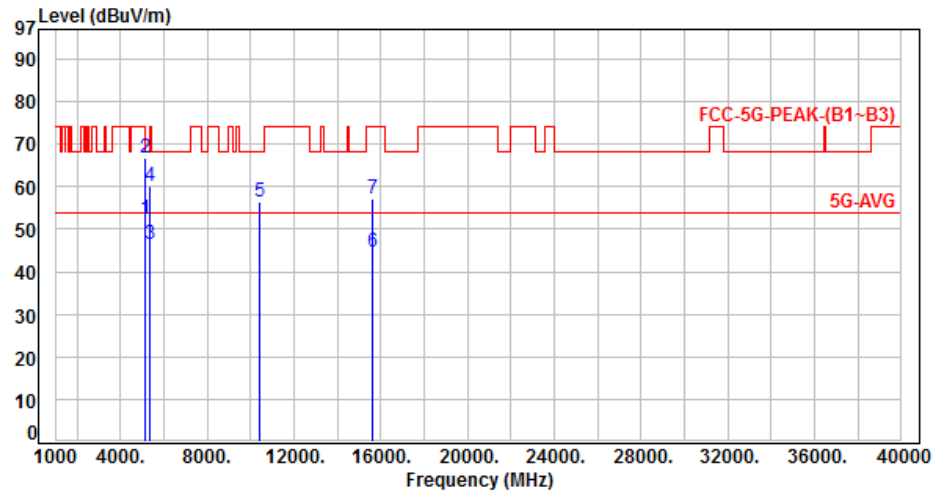
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 9, 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	46.73	52.45	54.00	-1.55	Average	105	320	P
2	5150.00	5.72	61.06	66.78	74.00	-7.22	Peak	105	320	P
3	5350.00	6.12	40.53	46.65	54.00	-7.35	Average	105	320	P
4	5350.00	6.12	53.86	59.98	74.00	-14.02	Peak	105	320	P
5	10420.00	12.94	43.52	56.46	68.20	-11.74	Peak	397	173	P
6	15630.00	14.74	29.84	44.58	54.00	-9.42	Average	100	74	P
7	15630.00	14.74	42.49	57.23	74.00	-16.77	Peak	100	74	P

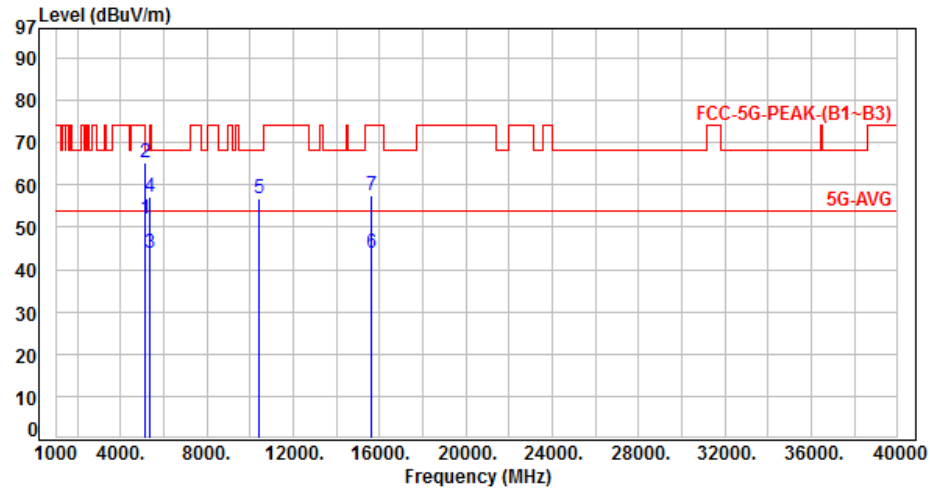
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 9, 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	46.33	52.05	54.00	-1.95	Average	100	60	P
2	5150.00	5.72	59.72	65.44	74.00	-8.56	Peak	100	60	P
3	5350.00	6.12	37.83	43.95	54.00	-10.05	Average	100	60	P
4	5350.00	6.12	51.15	57.27	74.00	-16.73	Peak	100	60	P
5	10420.00	12.94	43.77	56.71	68.20	-11.49	Peak	100	220	P
6	15630.00	14.74	29.21	43.95	54.00	-10.05	Average	100	325	P
7	15630.00	14.74	42.63	57.37	74.00	-16.63	Peak	100	325	P

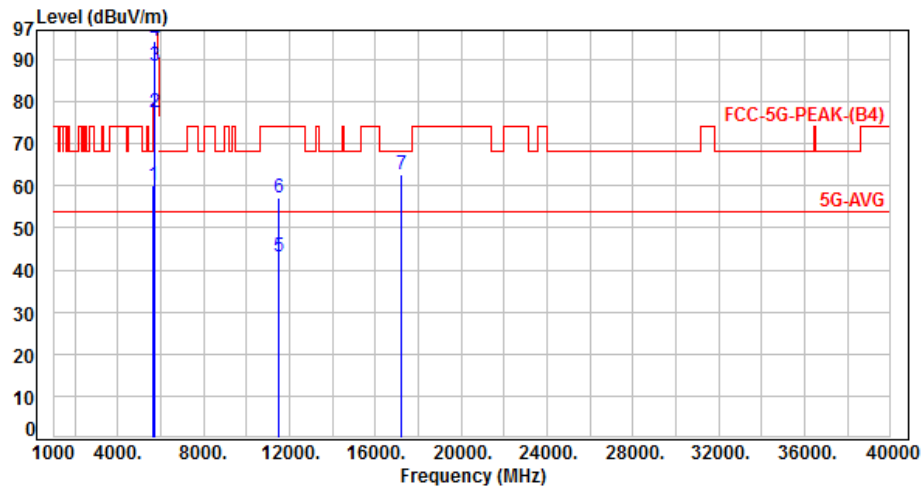
Note: Level=Reading+Factor

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	53.90	60.16	68.20	-8.04	Peak	100	229	P
2	5700.00	6.30	71.33	77.63	105.20	-27.57	Peak	100	229	P
3	5720.00	6.31	82.22	88.53	110.80	-22.27	Peak	100	229	P
4	5725.00	6.32	88.13	94.45	122.20	-27.75	Peak	100	229	P
5	11490.00	14.60	28.63	43.23	54.00	-10.77	Average	300	170	P
6	11490.00	14.60	42.48	57.08	74.00	-16.92	Peak	300	170	P
7	17235.00	20.19	42.66	62.85	68.20	-5.35	Peak	100	220	P

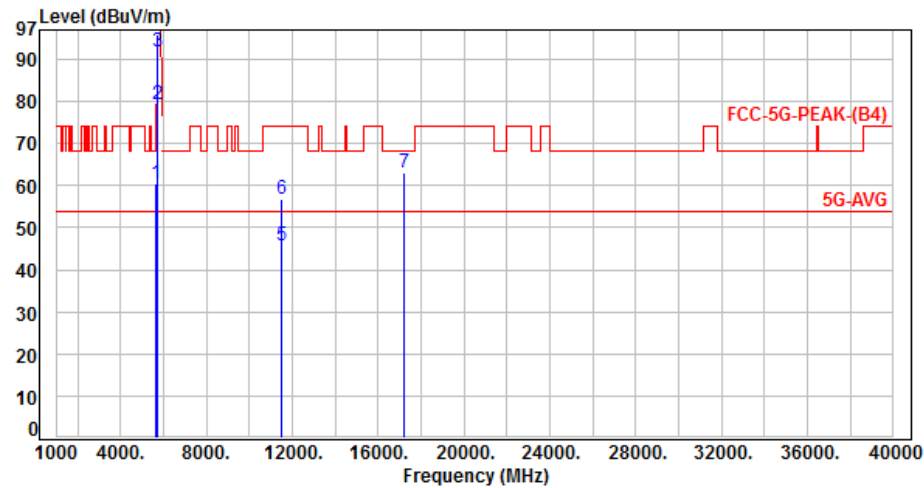
Note: Level=Reading+Factor

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	54.34	60.60	68.20	-7.60	Peak	100	100	P
2	5700.00	6.30	72.85	79.15	105.20	-26.05	Peak	100	100	P
3	5720.00	6.31	85.36	91.67	110.80	-19.13	Peak	100	100	P
4	5725.00	6.32	89.73	96.05	122.20	-26.15	Peak	100	100	P
5	11490.00	14.60	31.28	45.88	54.00	-8.12	Average	100	220	P
6	11490.00	14.60	42.33	56.93	74.00	-17.07	Peak	100	220	P
7	17235.00	20.19	42.89	63.08	68.20	-5.12	Peak	100	154	P

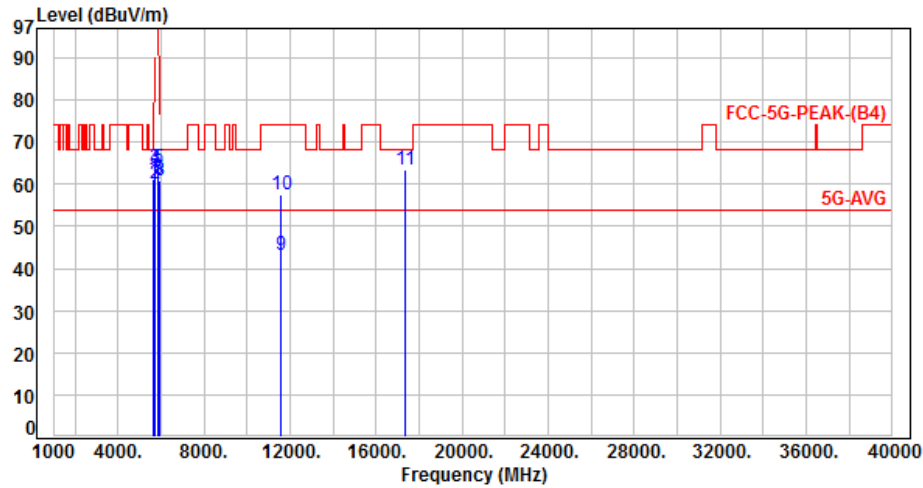
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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



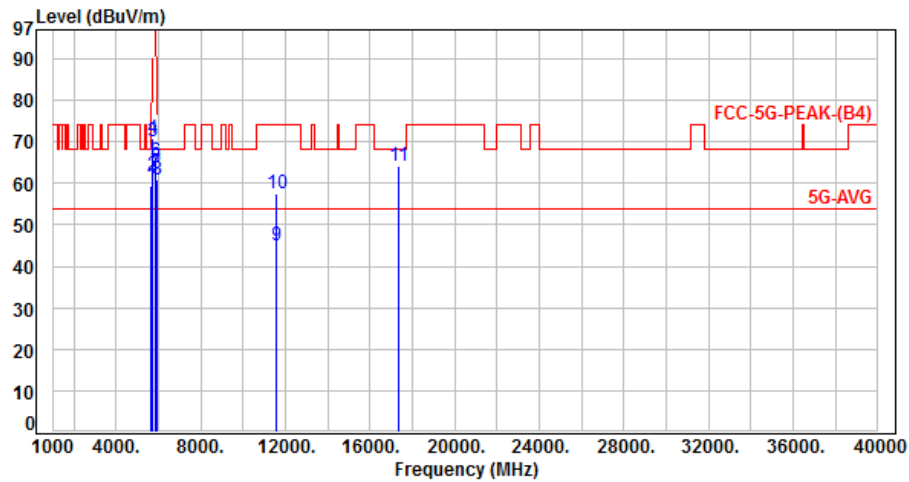
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.26	54.90	61.16	68.20	-7.04	Peak	100	160	P
2	5700.00	6.30	53.71	60.01	105.20	-45.19	Peak	100	160	P
3	5720.00	6.31	57.33	63.64	110.80	-47.16	Peak	100	160	P
4	5725.00	6.32	57.47	63.79	122.20	-58.41	Peak	100	160	P
5	5850.00	6.41	57.55	63.96	122.20	-58.24	Peak	100	160	P
6	5855.00	6.43	54.82	61.25	110.80	-49.55	Peak	100	160	P
7	5875.00	6.53	54.80	61.33	105.20	-43.87	Peak	100	160	P
8	5925.00	6.70	54.23	60.93	68.20	-7.27	Peak	100	160	P
9	11570.00	14.83	28.43	43.26	54.00	-10.74	Average	100	125	P
10	11570.00	14.83	42.56	57.39	74.00	-16.61	Peak	100	125	P
11	17355.00	20.84	42.57	63.41	68.20	-4.79	Peak	100	115	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	53.15	59.41	68.20	-8.79	Peak	100	235	P
2	5700.00	6.30	55.82	62.12	105.20	-43.08	Peak	100	235	P
3	5720.00	6.31	63.78	70.09	110.80	-40.71	Peak	100	235	P
4	5725.00	6.32	64.54	70.86	122.20	-51.34	Peak	100	235	P
5	5850.00	6.41	57.40	63.81	122.20	-58.39	Peak	100	235	P
6	5855.00	6.43	58.77	65.20	110.80	-45.60	Peak	100	235	P
7	5875.00	6.53	56.30	62.83	105.20	-42.37	Peak	100	235	P
8	5925.00	6.70	54.12	60.82	68.20	-7.38	Peak	100	235	P
9	11570.00	14.83	30.29	45.12	54.00	-8.88	Average	180	180	P
10	11570.00	14.83	42.84	57.67	74.00	-16.33	Peak	180	180	P
11	17355.00	20.84	43.30	64.14	68.20	-4.06	Peak	100	250	P

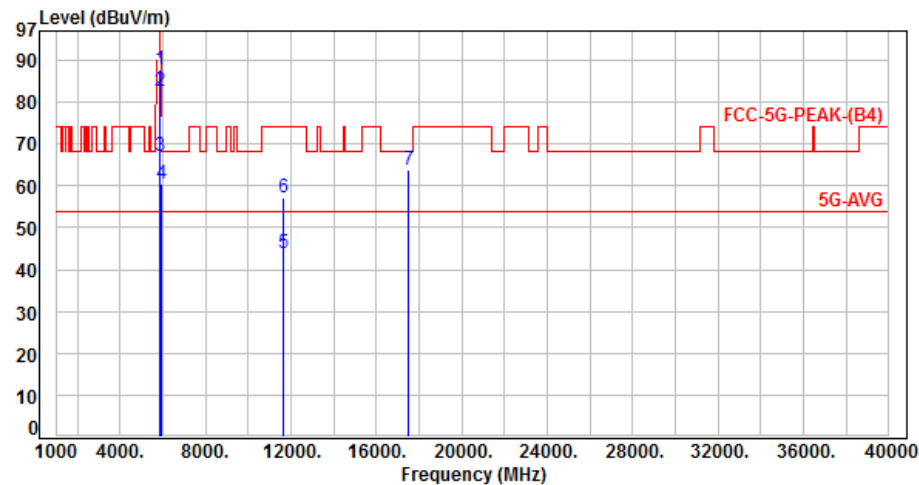
Note: $Level = Reading + Factor$

$$\text{Margin} = \text{Level} - \text{Limit}$$

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	81.36	87.77	122.20	-34.43	Peak	100	240	P
2	5855.00	6.43	76.15	82.58	110.80	-28.22	Peak	100	240	P
3	5875.00	6.53	60.53	67.06	105.20	-38.14	Peak	100	240	P
4	5925.00	6.70	53.82	60.52	68.20	-7.68	Peak	100	240	P
5	11650.00	15.01	29.02	44.03	54.00	-9.97	Average	100	118	P
6	11650.00	15.01	42.15	57.16	74.00	-16.84	Peak	100	118	P
7	17475.00	21.75	42.11	63.86	68.20	-4.34	Peak	100	245	P

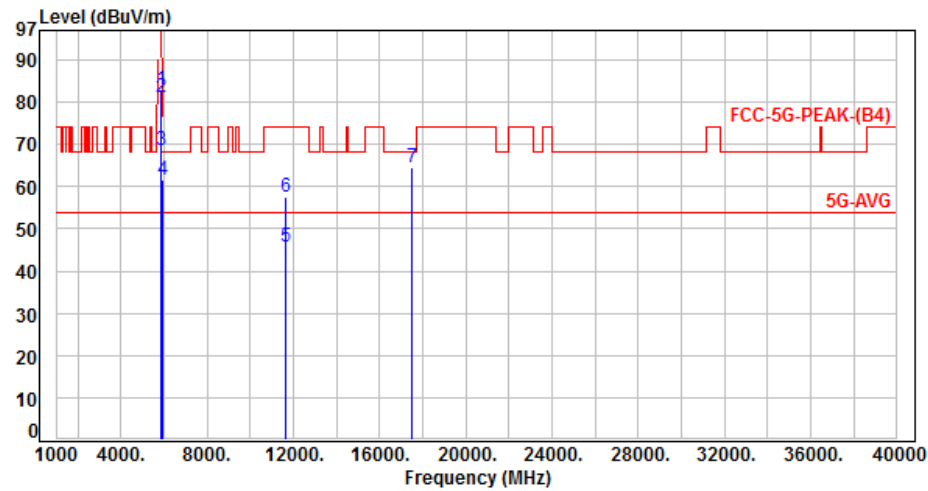
Note: Level=Reading+Factor

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	76.58	82.99	122.20	-39.21	Peak	100	163	P
2	5855.00	6.43	74.81	81.24	110.80	-29.56	Peak	100	163	P
3	5875.00	6.53	62.10	68.63	105.20	-36.57	Peak	100	163	P
4	5925.00	6.70	54.93	61.63	68.20	-6.57	Peak	100	163	P
5	11650.00	15.01	30.82	45.83	54.00	-8.17	Average	100	200	P
6	11650.00	15.01	42.44	57.45	74.00	-16.55	Peak	100	200	P
7	17475.00	21.75	42.83	64.58	68.20	-3.62	Peak	100	355	P

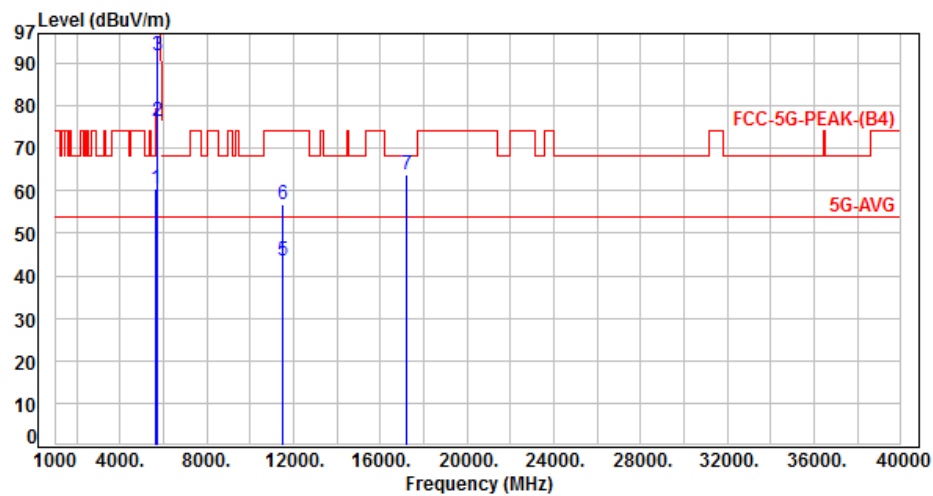
Note: Level=Reading+Factor

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	54.09	60.35	68.20	-7.85	Peak	100	331	P
2	5700.00	6.30	70.02	76.32	105.20	-28.88	Peak	100	331	P
3	5720.00	6.31	85.34	91.65	110.80	-19.15	Peak	100	331	P
4	5725.00	6.32	90.19	96.51	122.20	-25.69	Peak	100	331	P
5	11490.00	14.60	28.80	43.40	54.00	-10.60	Average	375	165	P
6	11490.00	14.60	42.05	56.65	74.00	-17.35	Peak	375	165	P
7	17235.00	20.19	43.74	63.93	68.20	-4.27	Peak	100	256	P

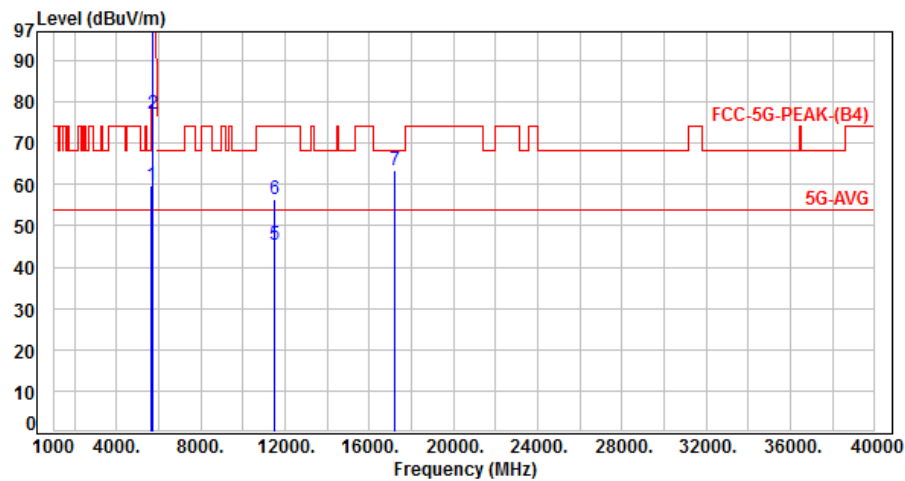
Note: Level=Reading+Factor

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	53.44	59.70	68.20	-8.50	Peak	100	118	P
2	5700.00	6.30	70.95	77.25	105.20	-27.95	Peak	100	118	P
3	5720.00	6.31	89.08	95.39	110.80	-15.41	Peak	100	118	P
4	5725.00	6.32	90.76	97.08	122.20	-25.12	Peak	100	118	P
5	11490.00	14.60	30.70	45.30	54.00	-8.70	Average	200	210	P
6	11490.00	14.60	41.80	56.40	74.00	-17.60	Peak	200	210	P
7	17235.00	20.19	43.11	63.30	68.20	-4.90	Peak	100	173	P

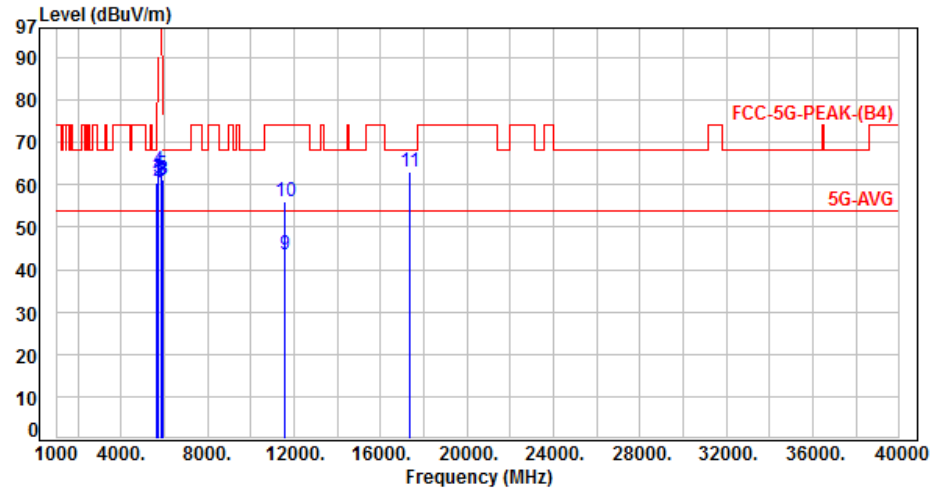
Note: Level=Reading+Factor

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	54.20	60.46	68.20	-7.74	Peak	100	177	P
2	5700.00	6.30	54.40	60.70	105.20	-44.50	Peak	100	177	P
3	5720.00	6.31	55.17	61.48	110.80	-49.32	Peak	100	177	P
4	5725.00	6.32	56.96	63.28	122.20	-58.92	Peak	100	177	P
5	5850.00	6.41	55.75	62.16	122.20	-60.04	Peak	100	177	P
6	5855.00	6.43	54.34	60.77	110.80	-50.03	Peak	100	177	P
7	5875.00	6.53	53.95	60.48	105.20	-44.72	Peak	100	177	P
8	5925.00	6.70	54.66	61.36	68.20	-6.84	Peak	100	177	P
9	11570.00	14.83	28.77	43.60	54.00	-10.40	Average	100	130	P
10	11570.00	14.83	41.28	56.11	74.00	-17.89	Peak	100	130	P
11	17355.00	20.84	42.40	63.24	68.20	-4.96	Peak	100	96	P

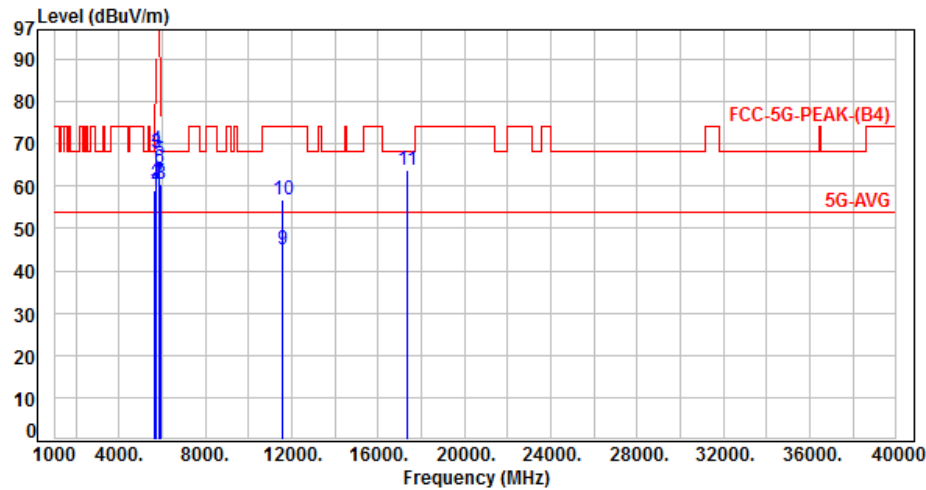
Note: Level=Reading+Factor

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	52.87	59.13	68.20	-9.07	Peak	100	40	P
2	5700.00	6.30	54.17	60.47	105.20	-44.73	Peak	100	40	P
3	5720.00	6.31	61.42	67.73	110.80	-43.07	Peak	100	40	P
4	5725.00	6.32	62.32	68.64	122.20	-53.56	Peak	100	40	P
5	5850.00	6.41	59.70	66.11	122.20	-56.09	Peak	100	40	P
6	5855.00	6.43	57.62	64.05	110.80	-46.75	Peak	100	40	P
7	5875.00	6.53	54.34	60.87	105.20	-44.33	Peak	100	40	P
8	5925.00	6.70	53.86	60.56	68.20	-7.64	Peak	100	40	P
9	11570.00	14.83	30.11	44.94	54.00	-9.06	Average	200	195	P
10	11570.00	14.83	42.14	56.97	74.00	-17.03	Peak	200	195	P
11	17355.00	20.84	42.89	63.73	68.20	-4.47	Peak	100	290	P

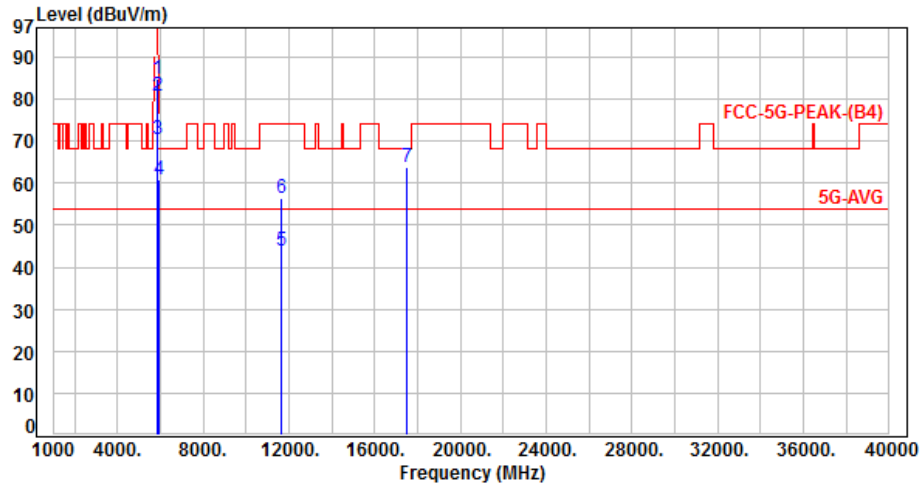
Note: Level=Reading+Factor

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	78.41	84.82	122.20	-37.38	Peak	100	253	P
2	5855.00	6.43	74.38	80.81	110.80	-29.99	Peak	100	253	P
3	5875.00	6.53	63.98	70.51	105.20	-34.69	Peak	100	253	P
4	5925.00	6.70	54.29	60.99	68.20	-7.21	Peak	100	253	P
5	11650.00	15.01	28.74	43.75	54.00	-10.25	Average	100	125	P
6	11650.00	15.01	41.48	56.49	74.00	-17.51	Peak	100	125	P
7	17475.00	21.75	41.92	63.67	68.20	-4.53	Peak	100	57	P

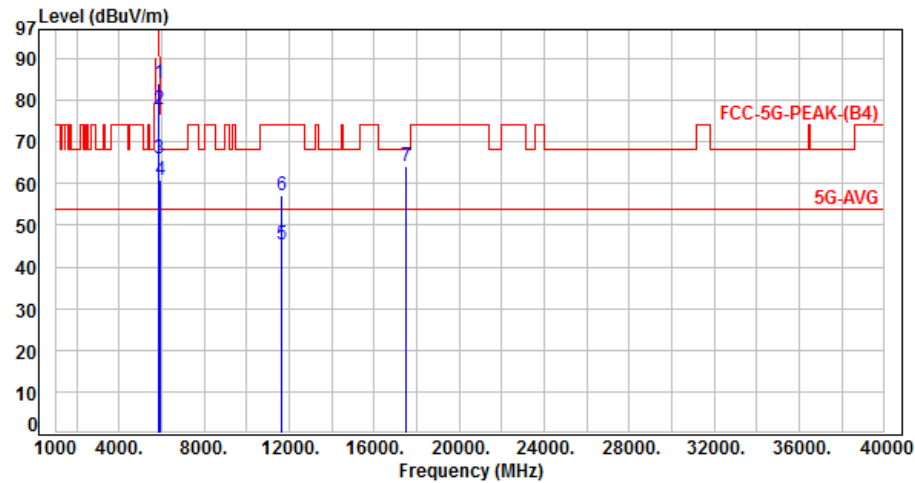
Note: Level=Reading+Factor

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	77.60	84.01	122.20	-38.19	Peak	100	136	P
2	5855.00	6.43	71.34	77.77	110.80	-33.03	Peak	100	136	P
3	5875.00	6.53	59.65	66.18	105.20	-39.02	Peak	100	136	P
4	5925.00	6.70	54.22	60.92	68.20	-7.28	Peak	100	136	P
5	11650.00	15.01	30.46	45.47	54.00	-8.53	Average	230	210	P
6	11650.00	15.01	42.01	57.02	74.00	-16.98	Peak	230	210	P
7	17475.00	21.75	42.55	64.30	68.20	-3.90	Peak	100	300	P

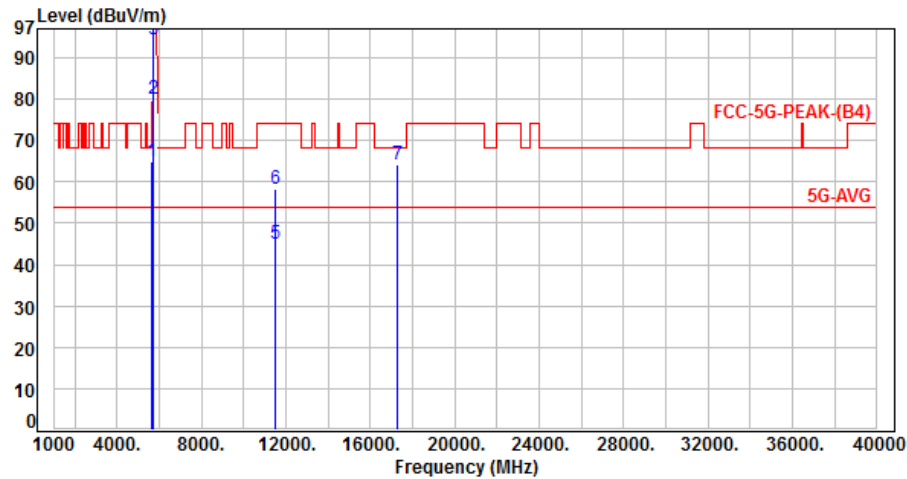
Note: Level=Reading+Factor

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	58.53	64.79	68.20	-3.41	Peak	110	0	P
2	5700.00	6.30	73.85	80.15	105.20	-25.05	Peak	110	0	P
3	5720.00	6.31	87.95	94.26	110.80	-16.54	Peak	110	0	P
4	5725.00	6.32	91.41	97.73	122.20	-24.47	Peak	110	0	P
5	11510.00	14.65	30.17	44.82	54.00	-9.18	Average	100	230	P
6	11510.00	14.65	43.49	58.14	74.00	-15.86	Peak	100	2320	P
7	17265.00	20.33	43.88	64.21	68.20	-3.99	Peak	100	160	P

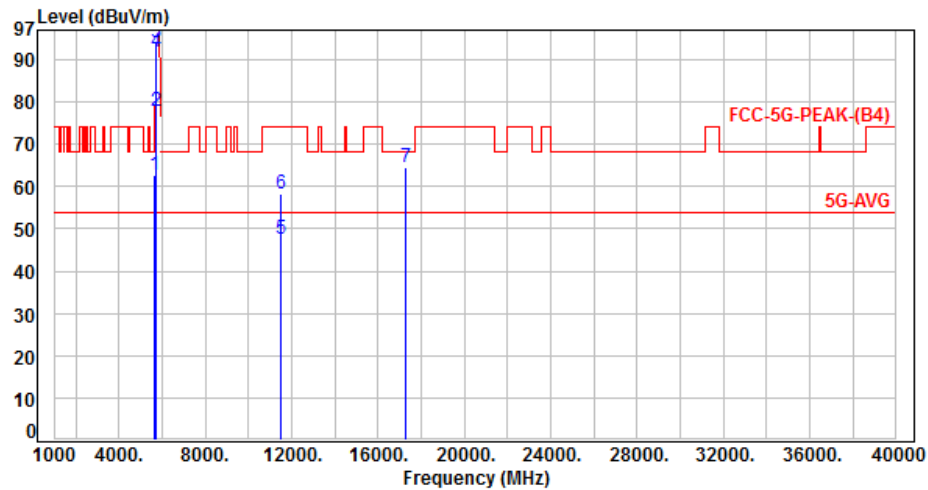
Note: Level=Reading+Factor

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	56.52	62.78	68.20	-5.42	Peak	100	194	P
2	5700.00	6.30	71.67	77.97	105.20	-27.23	Peak	100	194	P
3	5720.00	6.31	87.67	93.98	110.80	-16.82	Peak	100	194	P
4	5725.00	6.32	85.47	91.79	122.20	-30.41	Peak	100	194	P
5	11510.00	14.65	32.96	47.61	54.00	-6.39	Average	200	215	P
6	11510.00	14.65	43.73	58.38	74.00	-15.62	Peak	200	215	P
7	17265.00	20.33	44.11	64.44	68.20	-3.76	Peak	100	145	P

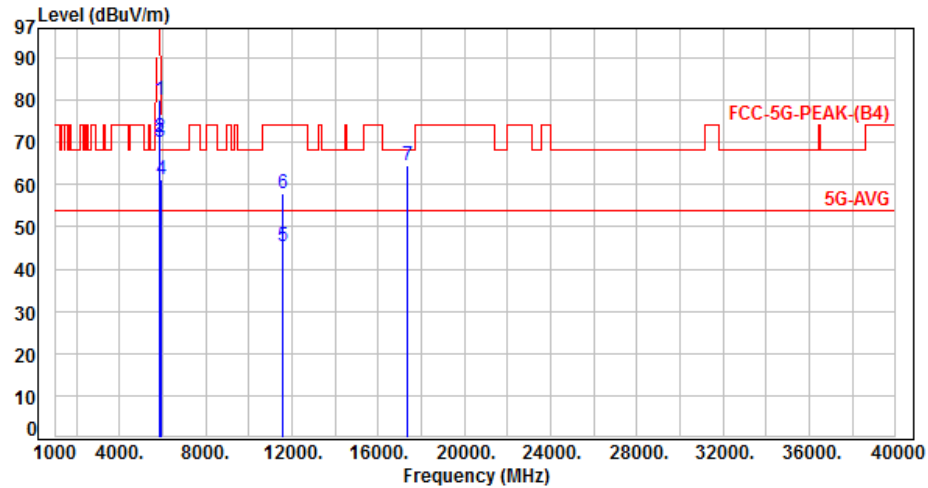
Note: Level=Reading+Factor

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	73.58	79.99	122.20	-42.21	Peak	100	150	P
2	5855.00	6.43	64.88	71.31	110.80	-39.49	Peak	100	150	P
3	5875.00	6.53	63.52	70.05	105.20	-35.15	Peak	100	150	P
4	5925.00	6.70	54.67	61.37	68.20	-6.83	Peak	100	150	P
5	11590.00	14.89	30.66	45.55	54.00	-8.45	Average	100	180	P
6	11590.00	14.89	43.08	57.97	74.00	-16.03	Peak	100	180	P
7	17385.00	21.02	43.59	64.61	68.20	-3.59	Peak	100	32	P

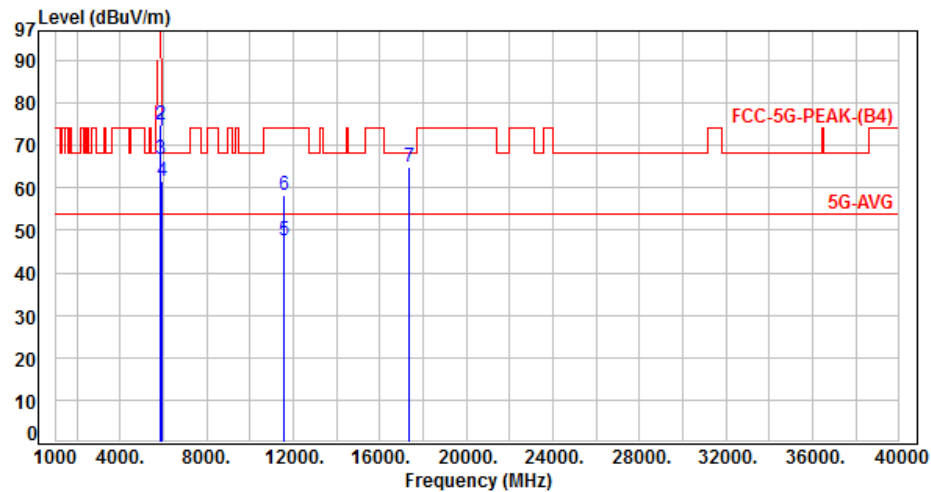
Note: Level=Reading+Factor

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	66.87	73.28	122.20	-48.92	Peak	100	75	P
2	5855.00	6.43	68.52	74.95	110.80	-35.85	Peak	100	75	P
3	5875.00	6.53	60.38	66.91	105.20	-38.29	Peak	100	75	P
4	5925.00	6.70	54.74	61.44	68.20	-6.76	Peak	100	75	P
5	11590.00	14.89	32.63	47.52	54.00	-6.48	Average	190	205	P
6	11590.00	14.89	43.39	58.28	74.00	-15.72	Peak	190	205	P
7	17385.00	21.02	43.86	64.88	68.20	-3.32	Peak	100	61	P

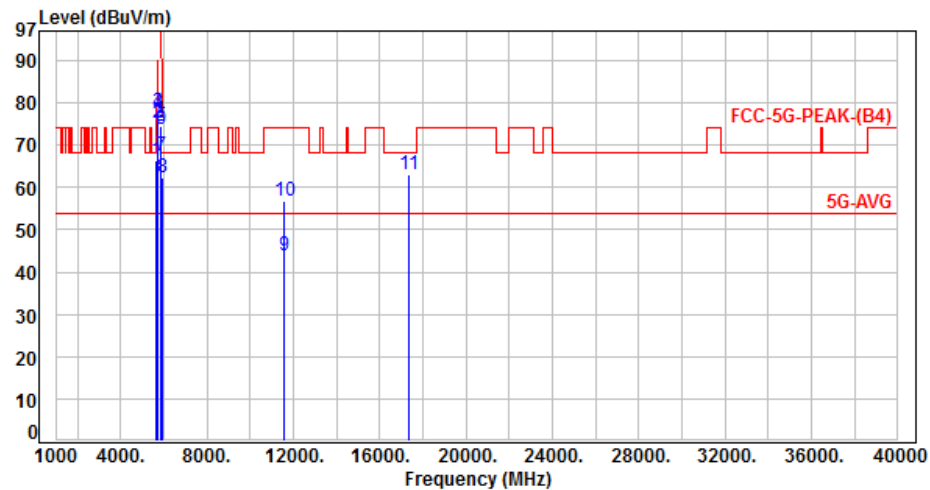
Note: Level=Reading+Factor

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	60.18	66.44	68.20	-1.76	Peak	135	10	P
2	5700.00	6.30	69.11	75.41	105.20	-29.79	Peak	135	10	P
3	5720.00	6.31	71.41	77.72	110.80	-33.08	Peak	135	10	P
4	5725.00	6.32	71.48	77.80	122.20	-44.40	Peak	135	10	P
5	5850.00	6.41	68.02	74.43	122.20	-47.77	Peak	135	10	P
6	5855.00	6.43	67.26	73.69	110.80	-37.11	Peak	135	10	P
7	5875.00	6.53	60.94	67.47	105.20	-37.73	Peak	135	10	P
8	5925.00	6.70	55.65	62.35	68.20	-5.85	Peak	135	10	P
9	11550.00	14.77	29.29	44.06	54.00	-9.94	Average	100	190	P
10	11550.00	14.77	42.16	56.93	74.00	-17.07	Peak	100	190	P
11	17325.00	20.64	42.40	63.04	68.20	-5.16	Peak	100	155	P

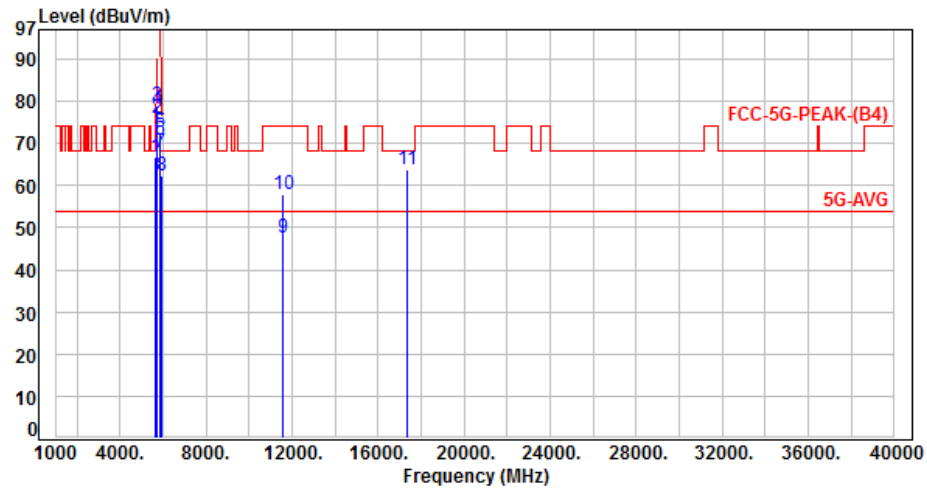
Note: Level=Reading+Factor

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	60.46	66.72	68.20	-1.48	Peak	100	50	P
2	5700.00	6.30	69.85	76.15	105.20	-29.05	Peak	100	50	P
3	5720.00	6.31	72.52	78.83	110.80	-31.97	Peak	100	50	P
4	5725.00	6.32	71.97	78.29	122.20	-43.91	Peak	100	50	P
5	5850.00	6.41	66.37	72.78	122.20	-49.42	Peak	100	50	P
6	5855.00	6.43	64.56	70.99	110.80	-39.81	Peak	100	50	P
7	5875.00	6.53	61.46	67.99	105.20	-37.21	Peak	100	50	P
8	5925.00	6.70	55.77	62.47	68.20	-5.73	Peak	100	50	P
9	11550.00	14.77	32.81	47.58	54.00	-6.42	Average	195	210	P
10	11550.00	14.77	43.14	57.91	74.00	-16.09	Peak	195	210	P
11	17325.00	20.64	43.21	63.85	68.20	-4.35	Peak	100	77	P

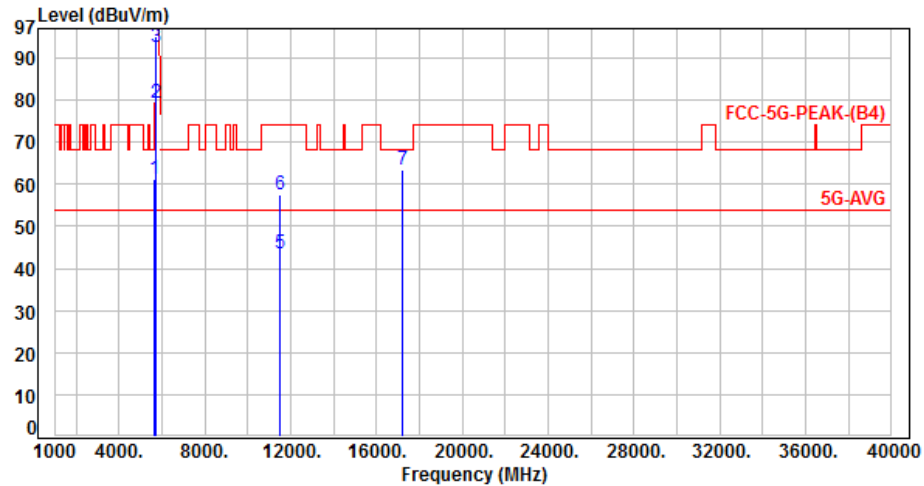
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, 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	55.14	61.40	68.20	-6.80	Peak	100	300	P
2	5700.00	6.30	72.88	79.18	105.20	-26.02	Peak	100	300	P
3	5720.00	6.31	86.12	92.43	110.80	-18.37	Peak	100	300	P
4	5725.00	6.32	88.76	95.08	122.20	-27.12	Peak	100	300	P
5	11490.00	14.60	29.04	43.64	54.00	-10.36	Average	300	165	P
6	11490.00	14.60	42.77	57.37	74.00	-16.63	Peak	300	165	P
7	17235.00	20.19	43.11	63.30	68.20	-4.90	Peak	100	200	P

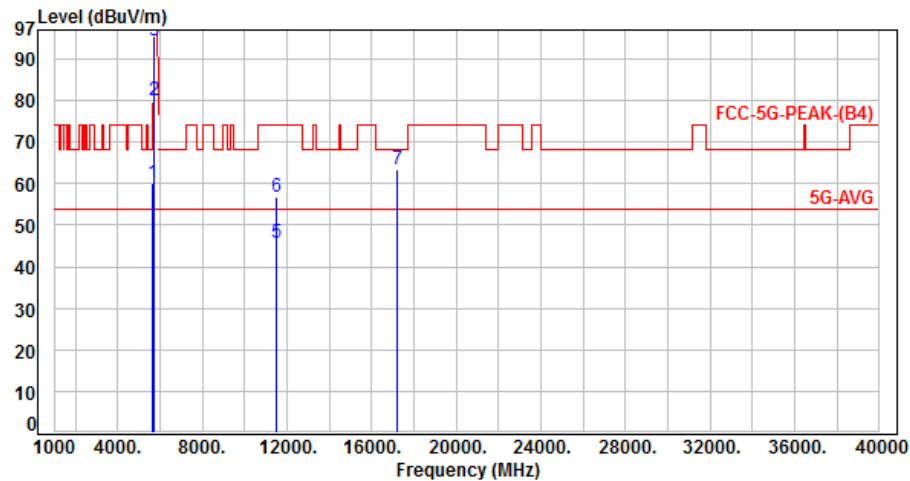
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, 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	53.89	60.15	68.20	-8.05	Peak	100	135	P
2	5700.00	6.30	73.64	79.94	105.20	-25.26	Peak	100	135	P
3	5720.00	6.31	88.15	94.46	110.80	-16.34	Peak	100	135	P
4	5725.00	6.32	89.16	95.48	122.20	-26.72	Peak	100	135	P
5	11490.00	14.60	31.05	45.65	54.00	-8.35	Average	198	220	P
6	11490.00	14.60	42.19	56.79	74.00	-17.21	Peak	198	220	P
7	17235.00	20.19	43.35	63.54	68.20	-4.66	Peak	100	120	P

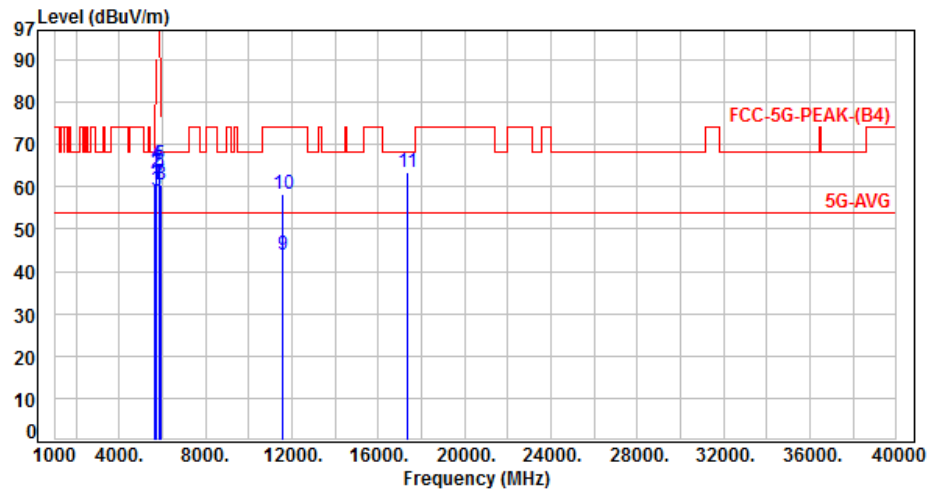
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, 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	54.73	60.99	68.20	-7.21	Peak	100	170	P
2	5700.00	6.30	57.11	63.41	105.20	-41.79	Peak	100	170	P
3	5720.00	6.31	52.65	58.96	110.80	-51.84	Peak	100	170	P
4	5725.00	6.32	59.13	65.45	122.20	-56.75	Peak	100	170	P
5	5850.00	6.41	58.91	65.32	122.20	-56.88	Peak	100	170	P
6	5855.00	6.43	56.88	63.31	110.80	-47.49	Peak	100	170	P
7	5875.00	6.53	54.23	60.76	105.20	-44.44	Peak	100	170	P
8	5925.00	6.70	53.87	60.57	68.20	-7.63	Peak	100	170	P
9	11570.00	14.83	29.05	43.88	54.00	-10.12	Average	100	143	P
10	11570.00	14.83	43.28	58.11	74.00	-15.89	Peak	100	143	P
11	17355.00	20.84	42.67	63.51	68.20	-4.69	Peak	100	172	P

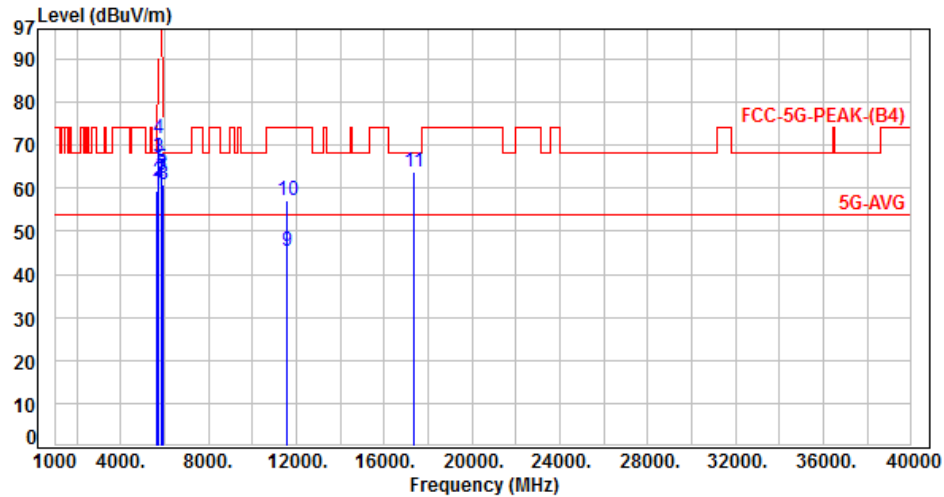
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, 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	53.28	59.54	68.20	-8.66	Peak	100	18	P
2	5700.00	6.30	55.17	61.47	105.20	-43.73	Peak	100	18	P
3	5720.00	6.31	60.77	67.08	110.80	-43.72	Peak	100	18	P
4	5725.00	6.32	65.33	71.65	122.20	-50.55	Peak	100	18	P
5	5850.00	6.41	58.27	64.68	122.20	-57.52	Peak	100	18	P
6	5855.00	6.43	56.82	63.25	110.80	-47.55	Peak	100	18	P
7	5875.00	6.53	55.64	62.17	105.20	-43.03	Peak	100	18	P
8	5925.00	6.70	54.18	60.88	68.20	-7.32	Peak	100	18	P
9	11570.00	14.83	30.39	45.22	54.00	-8.78	Average	200	200	P
10	11570.00	14.83	42.48	57.31	74.00	-16.69	Peak	200	200	P
11	17355.00	20.84	43.14	63.98	68.20	-4.22	Peak	100	215	P

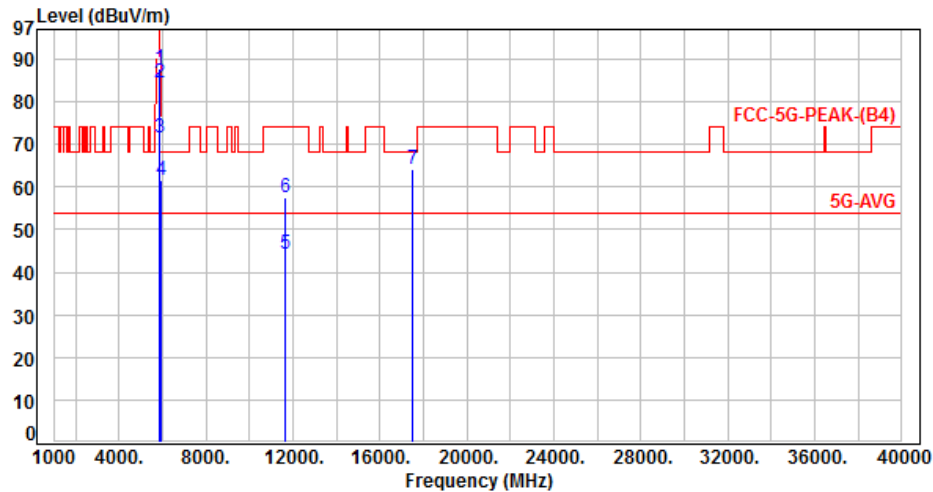
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, 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	81.44	87.85	122.20	-34.35	Peak	100	270	P
2	5855.00	6.43	78.12	84.55	110.80	-26.25	Peak	100	270	P
3	5875.00	6.53	65.17	71.70	105.20	-33.50	Peak	100	270	P
4	5925.00	6.70	54.72	61.42	68.20	-6.78	Peak	100	270	P
5	11650.00	15.01	29.13	44.14	54.00	-9.86	Average	120	130	P
6	11650.00	15.01	42.51	57.52	74.00	-16.48	Peak	120	130	P
7	17475.00	21.75	42.31	64.06	68.20	-4.14	Peak	100	25	P

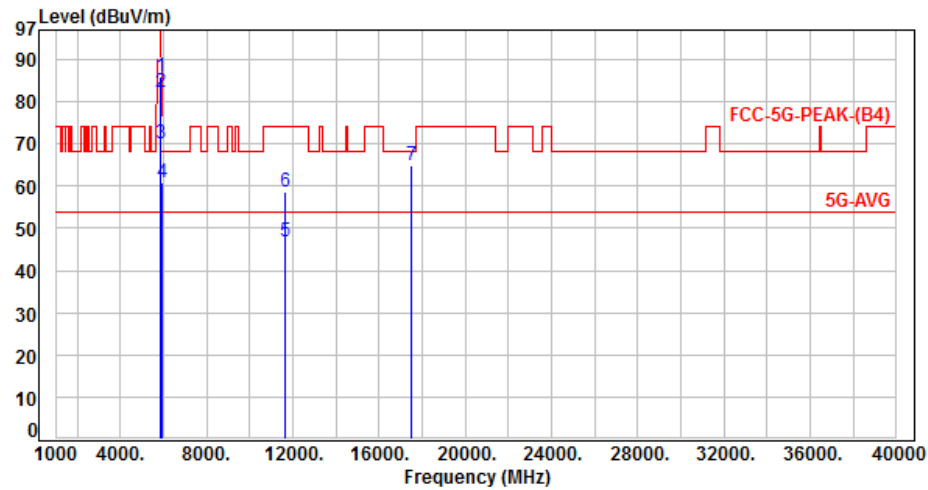
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 4, CH165		:

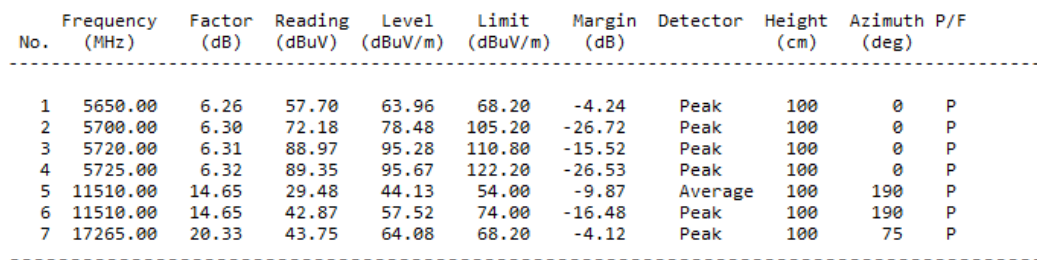


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5850.00	6.71	79.25	85.96	122.20	-36.24	Peak	100	140	P
2	5855.00	6.74	75.41	82.15	110.80	-28.65	Peak	100	140	P
3	5875.00	6.88	63.27	70.15	105.20	-35.05	Peak	100	140	P
4	5925.00	7.05	53.65	60.70	68.20	-7.50	Peak	100	140	P
5	11650.00	15.36	31.50	46.86	54.00	-7.14	Average	200	210	P
6	11650.00	15.36	43.16	58.52	74.00	-15.48	Peak	200	210	P
7	17475.00	22.10	42.91	65.01	68.20	-3.19	Peak	100	315	P

Note: Level=Reading+Factor

Margin=Level-Limit

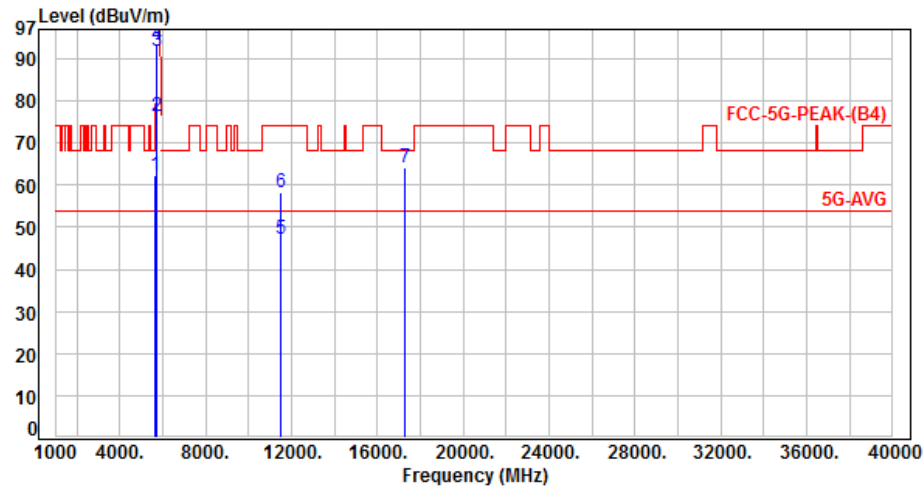
Factor=Antenna Factor + cable loss - Amplifier Factor



Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, 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	56.06	62.32	68.20	-5.88	Peak	170	0	P
2	5700.00	6.30	69.95	76.25	105.20	-28.95	Peak	170	0	P
3	5720.00	6.31	85.61	91.92	110.80	-18.88	Peak	170	0	P
4	5725.00	6.32	87.16	93.48	122.20	-28.72	Peak	170	0	P
5	11510.00	14.65	32.66	47.31	54.00	-6.69	Average	195	210	P
6	11510.00	14.65	43.54	58.19	74.00	-15.81	Peak	195	210	P
7	17265.00	20.33	43.95	64.28	68.20	-3.92	Peak	100	119	P

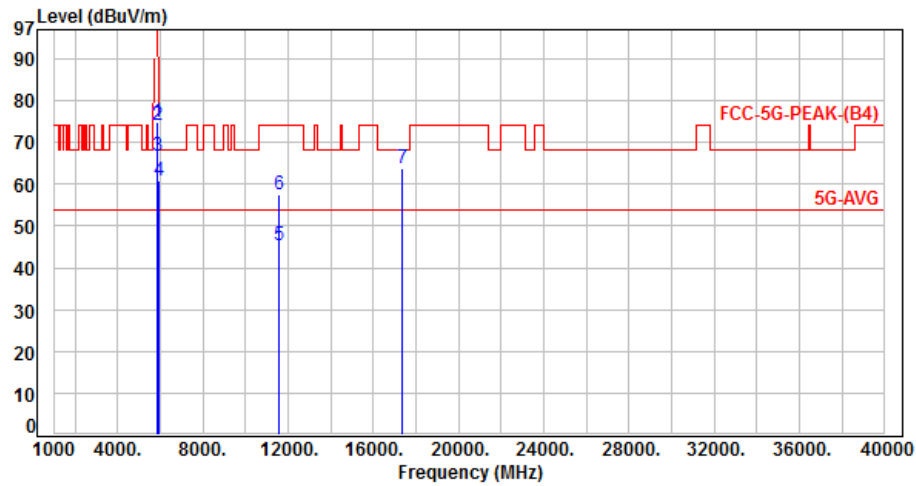
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 8, 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	68.59	75.00	122.20	-47.20	Peak	100	133	P
2	5855.00	6.43	67.88	74.31	110.80	-36.49	Peak	100	133	P
3	5875.00	6.53	60.32	66.85	105.20	-38.35	Peak	100	133	P
4	5925.00	6.70	54.21	60.91	68.20	-7.29	Peak	100	133	P
5	11590.00	14.89	30.31	45.20	54.00	-8.80	Average	100	175	P
6	11590.00	14.89	42.68	57.57	74.00	-16.43	Peak	100	175	P
7	17385.00	21.02	42.96	63.98	68.20	-4.22	Peak	100	50	P

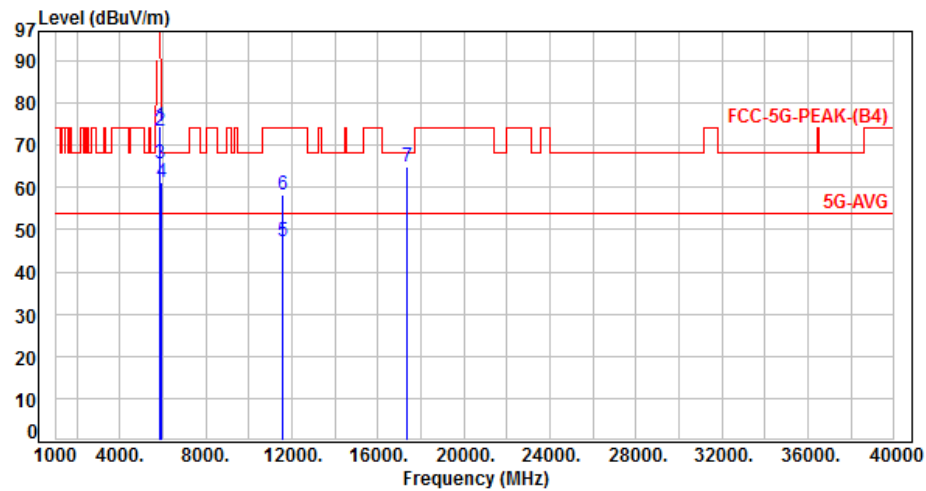
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 8, 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	68.27	74.68	122.20	-47.52	Peak	100	50	P
2	5855.00	6.43	66.97	73.40	110.80	-37.40	Peak	100	50	P
3	5875.00	6.53	59.28	65.81	105.20	-39.39	Peak	100	50	P
4	5925.00	6.70	54.55	61.25	68.20	-6.95	Peak	100	50	P
5	11590.00	14.89	32.37	47.26	54.00	-6.74	Average	195	208	P
6	11590.00	14.89	43.39	58.28	74.00	-15.72	Peak	195	208	P
7	17385.00	21.02	43.75	64.77	68.20	-3.43	Peak	100	34	P

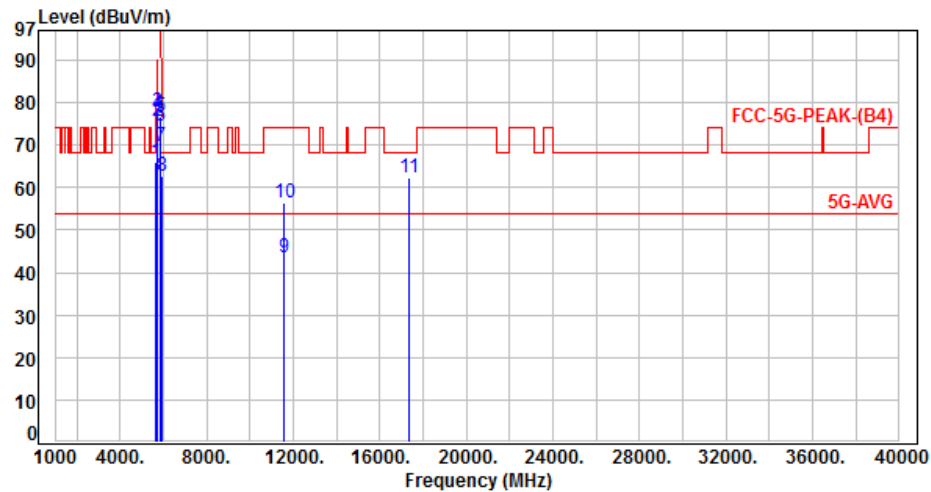
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 9, 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	59.73	65.99	68.20	-2.21	Peak	140	360	P
2	5700.00	6.30	69.42	75.72	105.20	-29.48	Peak	140	360	P
3	5720.00	6.31	71.38	77.69	110.80	-33.11	Peak	140	360	P
4	5725.00	6.32	71.24	77.56	122.20	-44.64	Peak	140	360	P
5	5850.00	6.41	70.19	76.60	122.20	-45.60	Peak	140	360	P
6	5855.00	6.43	68.20	74.63	110.80	-36.17	Peak	140	360	P
7	5875.00	6.53	63.11	69.64	105.20	-35.56	Peak	140	360	P
8	5925.00	6.70	56.01	62.71	68.20	-5.49	Peak	140	360	P
9	11550.00	14.77	28.75	43.52	54.00	-10.48	Average	100	180	P
10	11550.00	14.77	41.67	56.44	74.00	-17.56	Peak	100	180	P
11	17325.00	20.64	41.71	62.35	68.20	-5.85	Peak	100	150	P

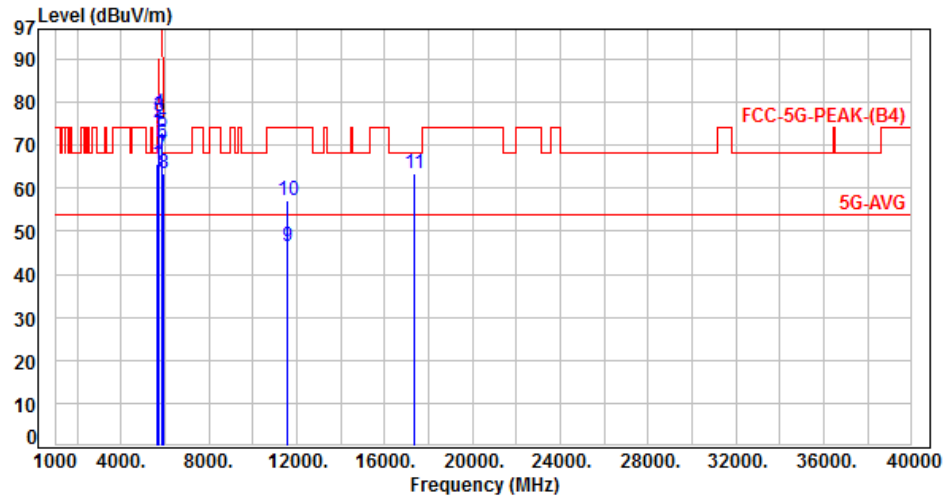
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 9, 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	59.53	65.79	68.20	-2.41	Peak	100	50	P
2	5700.00	6.30	69.00	75.30	105.20	-29.90	Peak	100	50	P
3	5720.00	6.31	70.33	76.64	110.80	-34.16	Peak	100	50	P
4	5725.00	6.32	71.24	77.56	122.20	-44.64	Peak	100	50	P
5	5850.00	6.41	66.49	72.90	122.20	-49.30	Peak	100	50	P
6	5855.00	6.43	64.20	70.63	110.80	-40.17	Peak	100	50	P
7	5875.00	6.53	61.36	67.89	105.20	-37.31	Peak	100	50	P
8	5925.00	6.70	56.86	63.56	68.20	-4.64	Peak	100	50	P
9	11550.00	14.77	31.76	46.53	54.00	-7.47	Average	100	200	P
10	11550.00	14.77	42.43	57.20	74.00	-16.80	Peak	100	200	P
11	17325.00	20.64	42.77	63.41	68.20	-4.79	Peak	100	80	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

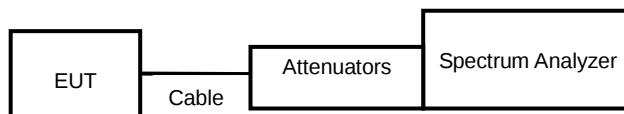
7.1. Test Limit

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	1.98	2.10	94.10%
802.11ac VHT20	5.42	5.66	95.76%
802.11ac VHT40	5.42	5.74	94.43%
802.11ac VHT80	5.44	5.68	95.77%
802.11ax HE20	5.44	5.66	96.11%
802.11ax HE40	5.44	5.76	94.44%
802.11ax HE80	5.46	5.74	95.12%

7.5. Measurement Methods

26 dB and 6dB Emission BW	KDB 789033 D02 v02r01, Section C
99% Occupied BW	KDB 789033 D02 v02r01, Section D
Conducted Output Power	KDB 789033 D02 v02r01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v02r01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02 v02r01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 D02 v02r01, Sections G and H





Modulation Type: 802.11ax HE80 (30.6Mbps)





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

