FCC RADIO TEST REPORT

Applicant	:	Ubiquiti Inc
Address	:	685 Third Avenue, New York, New York 10017, USA
Equipment	:	UniFi Connect 13
Model No.	:	UC-Display13
Trade Name	:	UBIQUITI
FCC ID	:	SWX-UCD13

I HEREBY CERTIFY THAT :

The sample was received on Apr. 01, 2021 and the testing was completed on Jun. 26, 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

CONTENTS

History of this test report

Report No.	Issue Date	Description
21030229-TRFCC05	Aug. 13, 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

KDB 789033

FCC Rule	Description of Test	Result
15.203	Antenna Requirement	PASS
15.207(a)	AC Power Line Conducted Emission	PASS
15.407(b) 15.209	Radiated Spurious Emission	PASS
15.407(a)	26 dB & Occupied Bandwidth	PASS
15.407	6 dB Bandwidth	PASS
15.407 (a) & (a)(3)	Average Power	PASS
15.407(a)	Power Spectral Density	PASS
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(21030206-TEFV01).

2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Frequency Range	NFC: 13.553MHz~13.567MHz BT / BLE: 2402MHz~2480MHz 802.11b/g/n: 2412MHz~2462MHzMHz 802.11a/n/ac: 5180MHz~5240MHz, 5260MHz~5320MHz, 5500MHz~5720MHz, 5745MHz~5825MHz
Modulation Type	NFC: ASK BT: GFSK, π/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, π/4-DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20/40 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	Internal Antenna
Antenna Gain	For NFC: 13.553MHz~13.567MHz: 0dBi For BT / BLE: 2402MHz~2480MHz: 1.00dBi For WLAN: 2412MHz~2462MHz: 1.00dBi 5180MHz~5240MHz: 4.00dBi 5260MHz~5320MHz: 4.00dBi 5500MHz~5720MHz: 4.00dBi 5745MHz~5825MHz: 4.00dBi

Note:
1. EUT support TPC Function.
2. WLAN and BT can simultaneously transmission.
3. EUT supports DFS Client Mode, without radar detection.
4. EUT support indoor / outdoor function.
5. 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 3: Straddle Channel

802.11a, 802.11n HT 20, 802.11ac VHT20

Channel	Frequency(MHz)
***144**	**5720**

802.11n HT40, 802.11ac VHT40

Channel	Frequency(MHz)
***142**	**5710**

802.11ac VHT80

Channel	Frequency(MHz)
***138**	**5690**

Band: 5725MHz -5850MHz

802.11a, 802.11n HT20, 802.11ac VHT20

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

802.11n HT40, 802.11ac VHT40

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

802.11ac VHT80

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

Note: Channels remarked * are selected to perform test.

2.3. Test Mode and Test Software

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, " QRCT ver.4.0.00129.0" under Windows OS system was executed to transmit and receive data via WLAN.
d. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11a (6Mbps) . Power from Adapter
2	802.11n HT20 (6.5Mbps) . Power from Adapter
3	802.11n HT40 (13.5Mbps) . Power from Adapter
4	802.11ac VHT20 (6.5Mbps) . Power from Adapter
5	802.11ac VHT40 (13.5Mbps) . Power from Adapter
6	802.11ac VHT80 (29.3Mbps) , Power from Adapter
7	802.11a (6Mbps) , Power from PoE
8	802.11n HT20 (6.5Mbps ,Power from PoE
9	802.11n HT40 (13.5Mbps) ,Power from PoE
10	802.11ac VHT20 (6.5Mbps) ,Power from PoE
11	802.11ac VHT40 (13.5Mbps) ,Power from PoE
12	802.11ac VHT80 (29.3Mbps) , Power from PoE
caused "Test Mode 10" generated the worst case, it was reported as the final data.	
Radiation Emissions (9KHz ~30MHz & 30MHz ~ 1GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) . Power from Adapter
2	802.11n HT20 (6.5Mbps) . Power from Adapter
3	802.11n HT40 (13.5Mbps) . Power from Adapter
4	802.11ac VHT20 (6.5Mbps) . Power from Adapter
5	802.11ac VHT40 (13.5Mbps) . Power from Adapter
6	802.11ac VHT80 (29.3Mbps) , Power from Adapter
7	802.11a (6Mbps) , Power from PoE
8	802.11n HT20 (6.5Mbps ,Power from PoE
9	802.11n HT40 (13.5Mbps) ,Power from PoE
10	802.11ac VHT20 (6.5Mbps) ,Power from PoE
11	802.11ac VHT40 (13.5Mbps) ,Power from PoE
12	802.11ac VHT80 (29.3Mbps) , Power from PoE
caused "Test Mode 4" generated the worst case, they were reported as the final data.	

Radiation Emissions (1GHz ~40GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) . Power from Adapter
2	802.11n HT20 (6.5Mbps) . Power from Adapter
3	802.11n HT40 (13.5Mbps) . Power from Adapter
4	802.11ac VHT20 (6.5Mbps) . Power from Adapter
5	802.11ac VHT40 (13.5Mbps) . Power from Adapter
6	802.11ac VHT80 (29.3Mbps) , Power from Adapter
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
Micro USB Cable	kolin	EX-DLCP07	1m / NS	N/A
Adapter	UBIQUITI	GP-M015-QC	N/A	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
Micro USB Cable	kolin	EX-DLCP07	1m / NS	N/A
Adapter	UBIQUITI	GP-M015-QC	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
Micro USB Cable	kolin	EX-DLCP07	1m / NS	N/A
Adapter	UBIQUITI	GP-M015-QC	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	2021/06/23~2021/06/24	24.2~25℃ / 49~51%	Nick Guan
Radiated Emissions	3M02-NK	2021/06/21~2021/06/22	25~27℃ / 41~43%	Nick Guan
AC Power Line Conducted Emission	CON01-NK	2021/06/26	24℃ / 51%	Dian Chen

2.6. Measurement Uncertainty

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.63dB
Radiated Spurious Emission(9KHz~30MHz)	±3.4dB
Radiated Spurious Emission(30MHz~1GHz)	±5.6dB
Radiated Spurious Emission(1GHz~40GHz)	±6.6dB
6dB Bandwidth	±4.4%
26dB Bandwidth	±4.4%
Occupied Bandwidth	±4.4%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±1.8dB
Duty Cycle	±1.5%
Frequency Stability	±0.26KHz

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	2021/04/26	2022/04/25
Active Loop Antenna	EMCO	6507	40855	2021/06/10	2022/06/09
Horn Antenna	EMCO	3115	31601	2020/10/16	2021/10/15
Horn Anrenna	EMCO	3116	31974	2020/09/24	2021/09/23
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	60658	2020/10/20	2021/10/19
Preamplifier	EM Electronics corp.	EM330	60660	2021/03/18	2022/03/17
Preamplifier	Agilent	8449B	3008A01954	2021/03/22	2022/03/21
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2020/11/06	2021/11/05
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2021/04/19	2022/04/18
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2021/04/12	2022/04/11
Cable-0.5m(1G-18G)	EMEC	EM104-SMSM-0.5M	CCE1354	2021/05/06	2022/05/05
Cable-3m(1G-18G)	EMEC	EM104-SMSM-3M	CCE1355	2021/05/06	2022/05/05
Cable-8m(1G-18G)	EMEC	EM104-SMSM-8M	CCE1356	2021/05/06	2022/05/05
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2021/04/03	2022/04/02
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2021/04/09	2022/04/08
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50 314	2021/04/08	2022/04/07
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	102151	2020/08/03	2021/08/02
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2021/04/19	2022/04/18
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2020/12/25	2021/12/24
Attenuator	KEYSIGHT	8491B	MY39250703	2021/04/09	2022/04/08
TEMP & HUMI CHAMBER	T-MACHINE	TMJ-9712	T-12-040111	2020/08/25	2021/08/24
Power Meter	Anritsu	ML2495A	1224005	2021/04/14	2022/04/13
Power Sensor	Anritsu	MA2411B	1207295	2021/04/14	2022/04/13

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	100821	2020/09/11	2021/09/10
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-516	2020/09/26	2021/09/25
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101933	2020/09/17	2021/09/16
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2020/09/18	2021/09/17
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	Internal Antenna
Antenna Gain	5180~5240MHz:4.00dBi 5260-5320MHz: 4.00dBi 5500-5720MHz: 4.00dBi 5745-5825MHz: 4.00dBi

For Power directional gain= G_{ant}= 4.00 dBi
For PSD directional gain = G_{ant}= 4.00 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.

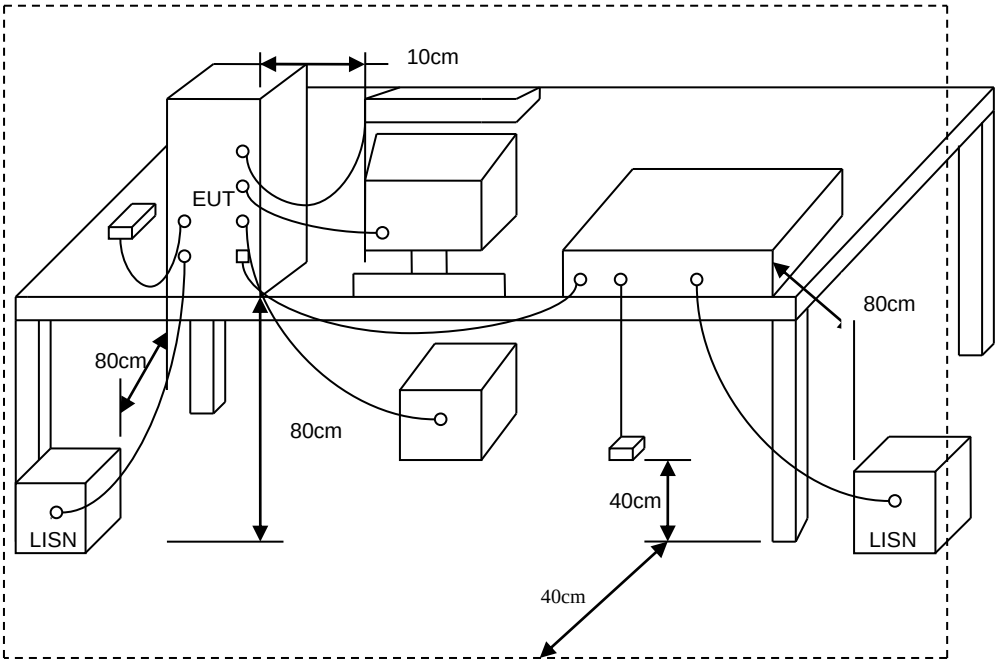
Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

5.2. Test Procedures

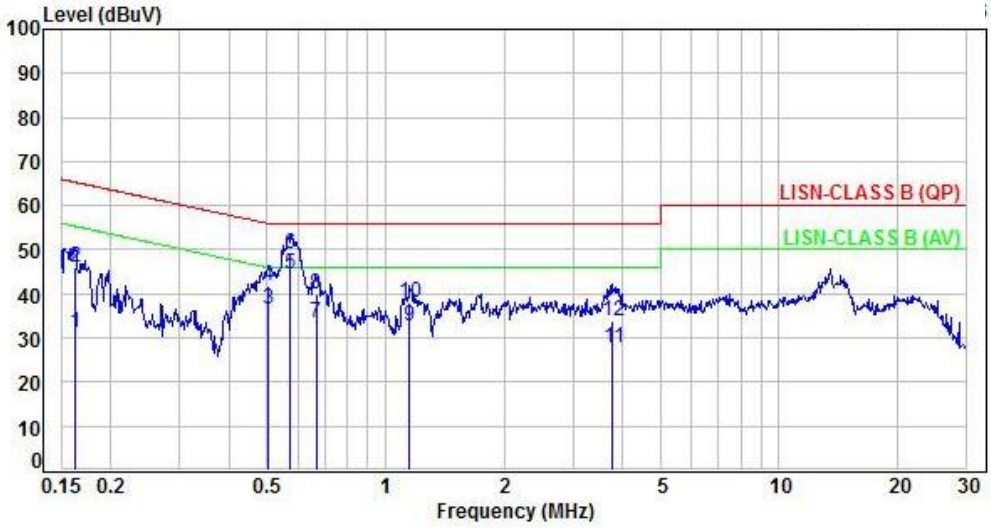
a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
c. All the support units are connecting to the other LISN.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

5.3. Typical Test Setup



5.4. Test Result and Data

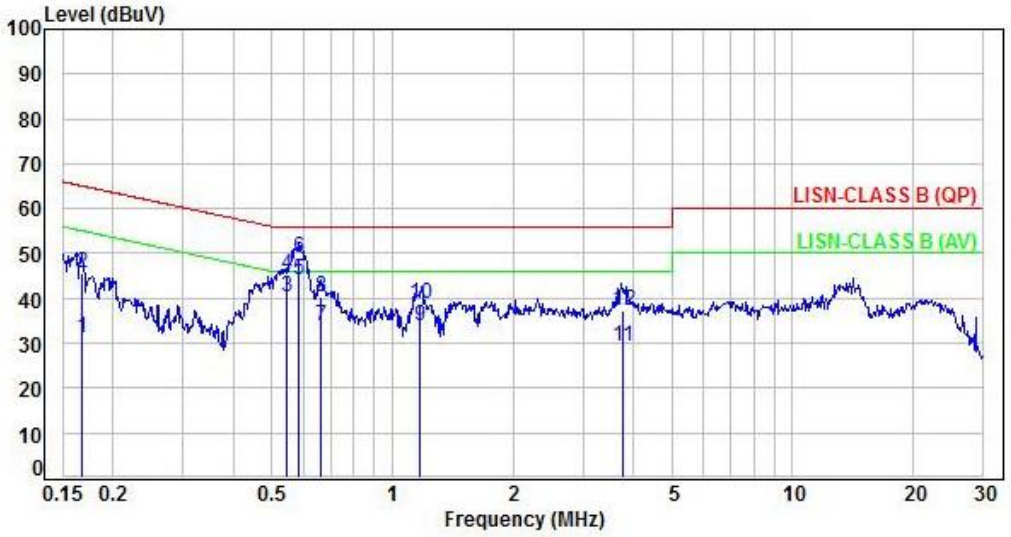
Power	:	From POE DC48V	Pol/Phase	:	LINE
Test Mode	:	Mode 10		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.96	21.25	31.21	55.30	-24.09	Average	P
2	0.16	9.96	36.13	46.09	65.30	-19.21	QP	P
3	0.50	9.98	26.40	36.38	46.00	-9.62	Average	P
4	0.50	9.98	31.74	41.72	56.00	-14.28	QP	P
5	0.57	9.99	34.43	44.42	46.00	-1.58	Average	P
6	0.57	9.99	38.90	48.89	56.00	-7.11	QP	P
7	0.67	10.00	23.49	33.49	46.00	-12.51	Average	P
8	0.67	10.00	30.04	40.04	56.00	-15.96	QP	P
9	1.15	10.05	22.56	32.61	46.00	-13.39	Average	P
10	1.15	10.05	27.96	38.01	56.00	-17.99	QP	P
11	3.78	10.22	17.50	27.72	46.00	-18.28	Average	P
12	3.78	10.22	23.73	33.95	56.00	-22.05	QP	P

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

Power	:	From POE DC48V	Pol/Phase	:	NEUTRAL
Test Mode	:	Mode 10		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.17	9.97	21.35	31.32	55.12	-23.80	Average	P
2	0.17	9.97	35.79	45.76	65.12	-19.36	QP	P
3	0.54	9.99	30.32	40.31	46.00	-5.69	Average	P
4	0.54	9.99	35.44	45.43	56.00	-10.57	QP	P
5	0.59	10.00	34.27	44.27	46.00	-1.73	Average	P
6	0.59	10.00	38.87	48.87	56.00	-7.13	QP	P
7	0.66	10.00	23.69	33.69	46.00	-12.31	Average	P
8	0.66	10.00	30.19	40.19	56.00	-15.81	QP	P
9	1.17	10.04	23.76	33.80	46.00	-12.20	Average	P
10	1.17	10.04	28.68	38.72	56.00	-17.28	QP	P
11	3.77	10.18	19.21	29.39	46.00	-16.61	Average	P
12	3.77	10.18	26.96	37.14	56.00	-18.86	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.

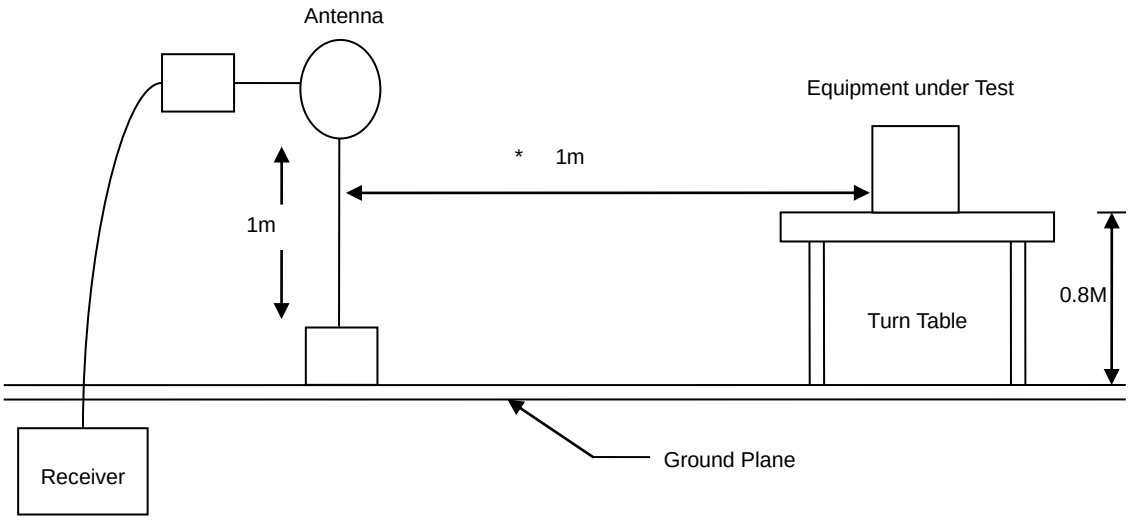
6.2. Test Procedures

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.

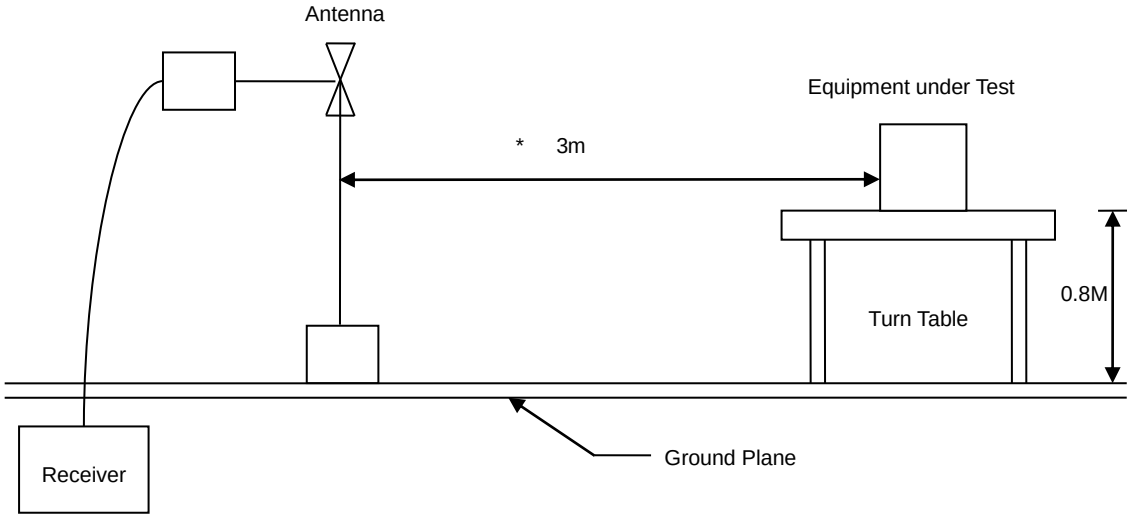
Note: The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized.
(Y-AXIS is the worst.)

6.3. Typical Test Setup

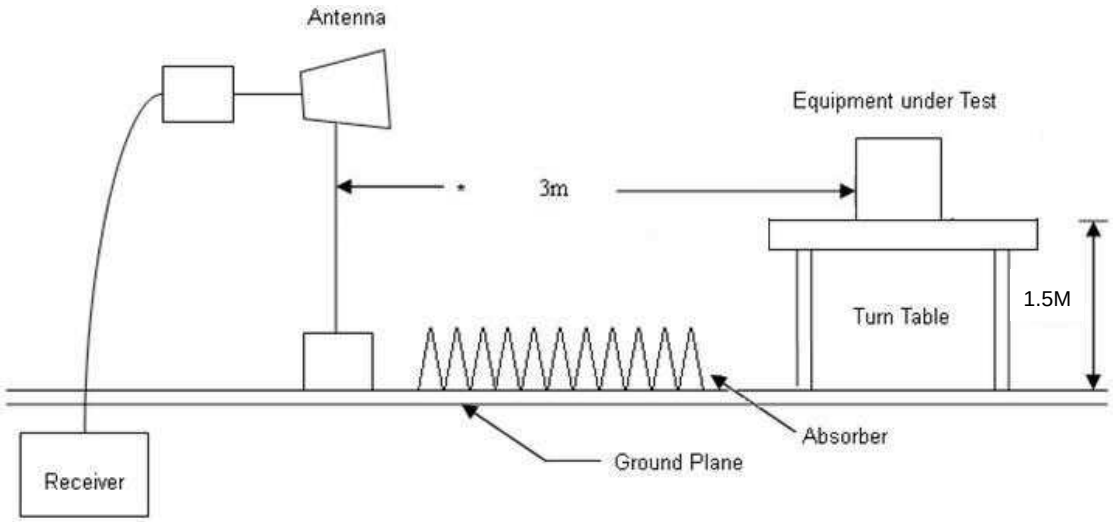
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup

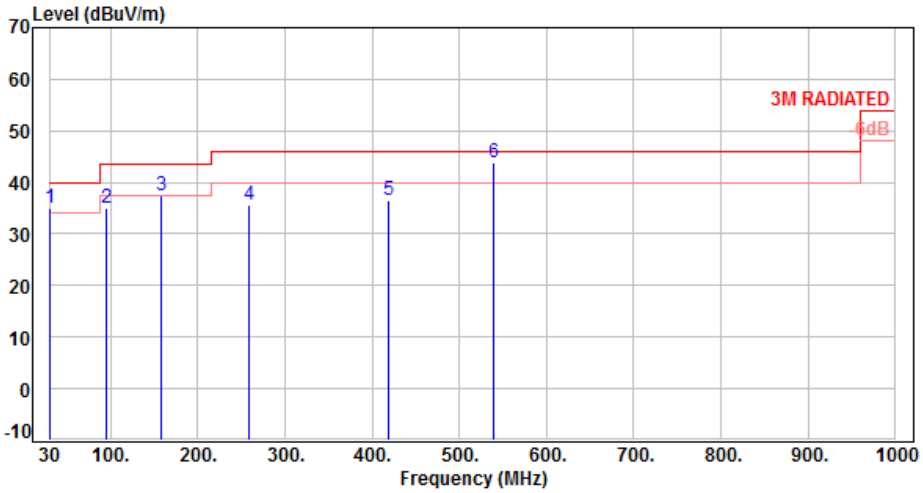


6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

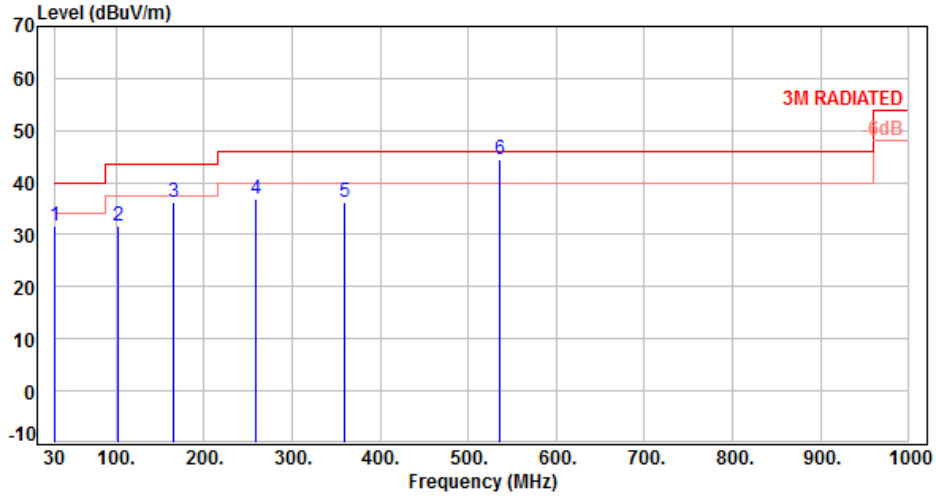
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-11.62	46.51	34.89	40.00	-5.11	QP	100	14	P
2	94.57	-16.72	51.75	35.03	43.50	-8.47	Peak	400	360	P
3	158.36	-10.75	48.32	37.57	43.50	-5.93	Peak	400	360	P
4	259.07	-11.20	46.78	35.58	46.00	-10.42	Peak	400	360	P
5	419.07	-6.63	43.25	36.62	46.00	-9.38	Peak	400	360	P
6	539.76	-3.94	47.67	43.73	46.00	-2.27	QP	125	129	P

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

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

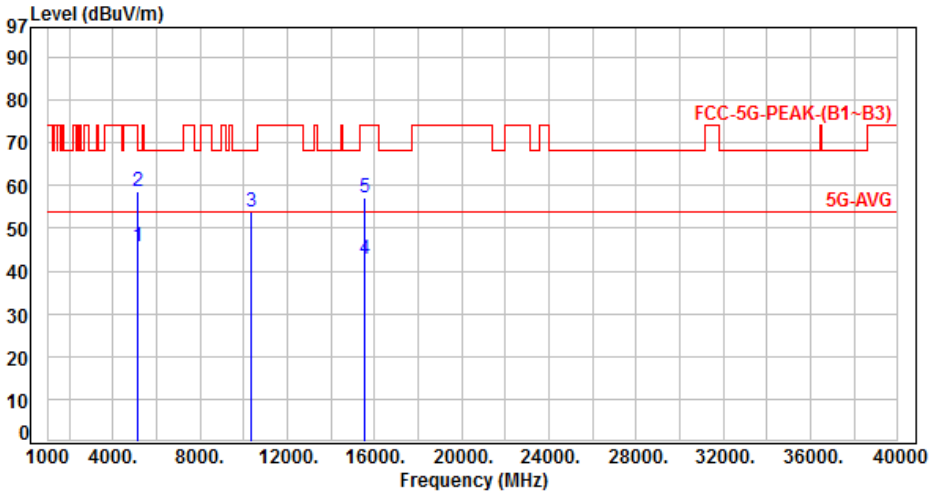


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-11.62	43.27	31.65	40.00	-8.35	Peak	400	360	P
2	102.27	-15.20	46.81	31.61	43.50	-11.89	Peak	400	360	P
3	164.86	-10.65	46.78	36.13	43.50	-7.37	Peak	400	360	P
4	258.84	-11.21	47.95	36.74	46.00	-9.26	Peak	400	360	P
5	359.81	-8.19	44.31	36.12	46.00	-9.88	Peak	400	360	P
6	536.37	-4.10	48.48	44.38	46.00	-1.62	QP	150	227	P

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

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

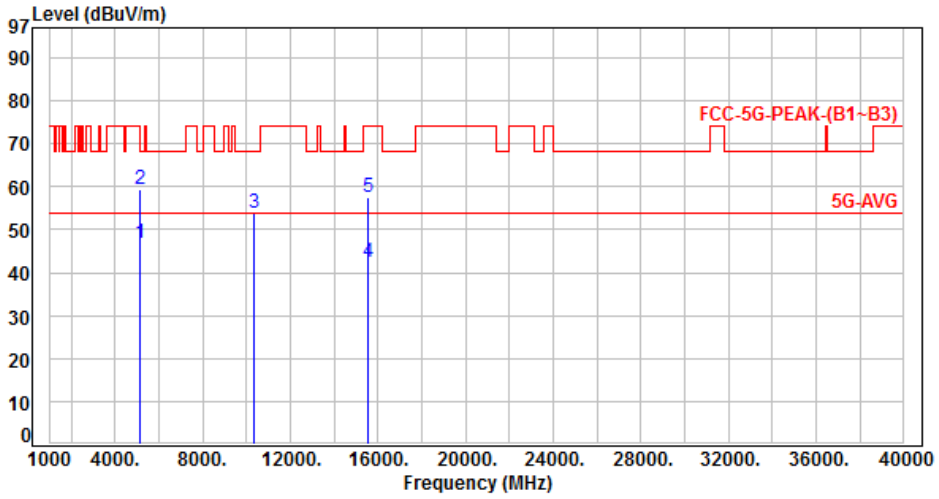
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH36		:	



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	4.69	41.15	45.84	54.00	-8.16	Average	213	143	P
2	5150.00	4.69	53.87	58.56	74.00	-15.44	Peak	213	143	P
3	10360.00	11.51	42.33	53.84	68.20	-14.36	Peak	100	121	P
4	15540.00	13.85	28.96	42.81	54.00	-11.19	Average	100	107	P
5	15540.00	13.85	43.18	57.03	74.00	-16.97	Peak	100	107	P

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

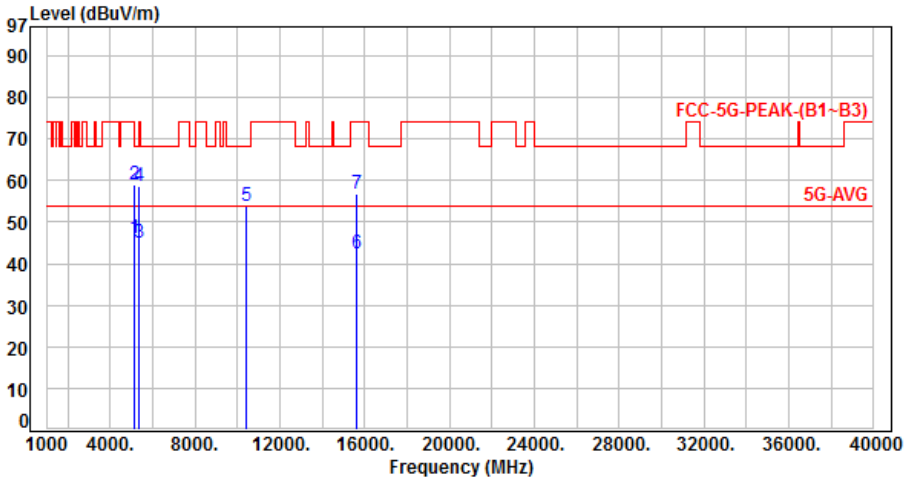
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH36		:	



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	4.69	42.29	46.98	54.00	-7.02	Average	222	174	P
2	5150.00	4.69	54.63	59.32	74.00	-14.68	Peak	222	174	P
3	10360.00	11.51	42.21	53.72	68.20	-14.48	Peak	100	217	P
4	15540.00	13.85	28.74	42.59	54.00	-11.41	Average	100	193	P
5	15540.00	13.85	43.59	57.44	74.00	-16.56	Peak	100	193	P

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

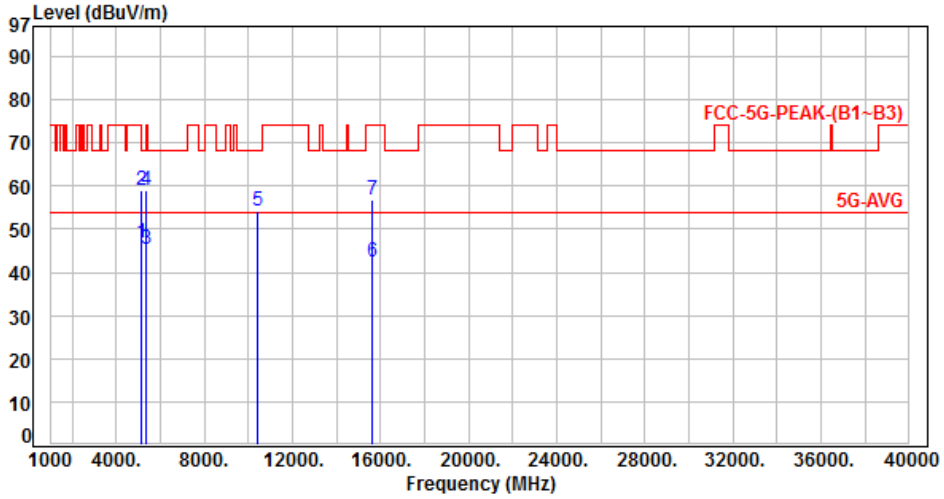
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH40		:	



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	4.69	41.35	46.04	54.00	-7.96	Average	172	145	P
2	5150.00	4.69	54.20	58.89	74.00	-15.11	Peak	172	145	P
3	5350.00	5.02	40.15	45.17	54.00	-8.83	Average	172	145	P
4	5350.00	5.02	53.68	58.70	74.00	-15.30	Peak	172	145	P
5	10400.00	11.57	42.28	53.85	68.20	-14.35	Peak	100	137	P
6	15600.00	13.45	29.01	42.46	54.00	-11.54	Average	100	176	P
7	15600.00	13.45	43.29	56.74	74.00	-17.26	Peak	100	176	P

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

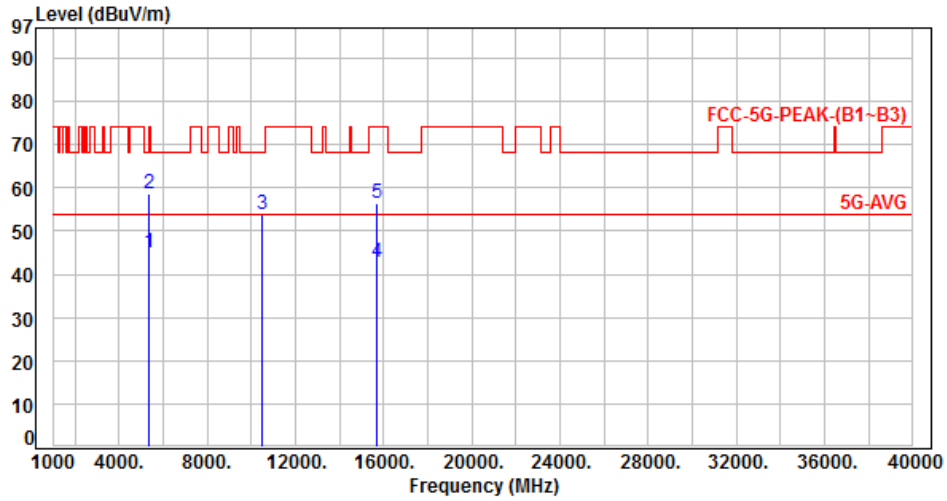
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH40		:	



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	4.69	42.07	46.76	54.00	-7.24	Average	196	179	P
2	5150.00	4.69	54.48	59.17	74.00	-14.83	Peak	196	179	P
3	5350.00	5.02	40.22	45.24	54.00	-8.76	Average	196	179	P
4	5350.00	5.02	53.97	58.99	74.00	-15.01	Peak	196	179	P
5	10400.00	11.57	42.74	54.31	68.20	-13.89	Peak	100	196	P
6	15600.00	13.45	29.04	42.49	54.00	-11.51	Average	100	196	P
7	15600.00	13.45	43.35	56.80	74.00	-17.20	Peak	100	196	P

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

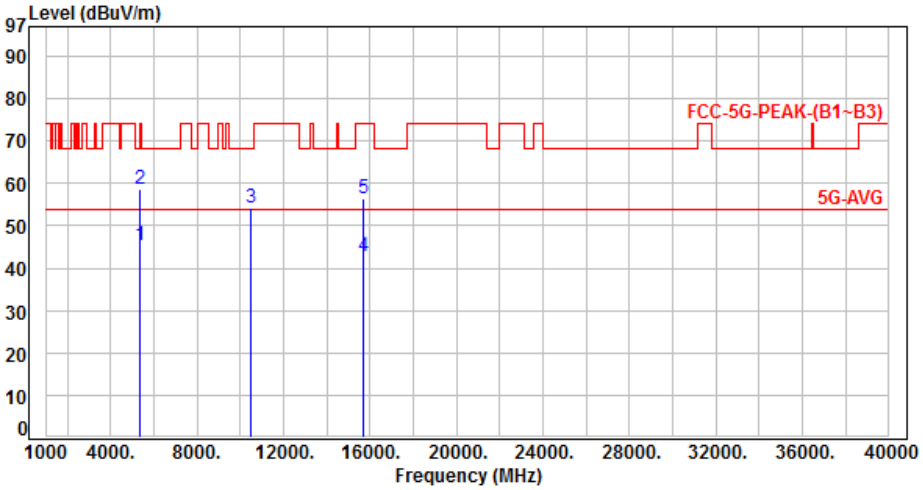
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH48		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	5.02	40.06	45.08	54.00	-8.92	Average	124	147	P
2	5350.00	5.02	53.71	58.73	74.00	-15.27	Peak	124	147	P
3	10480.00	11.70	42.13	53.83	68.20	-14.37	Peak	100	102	P
4	15720.00	13.12	29.52	42.64	54.00	-11.36	Average	100	136	P
5	15720.00	13.12	43.38	56.50	74.00	-17.50	Peak	100	136	P

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

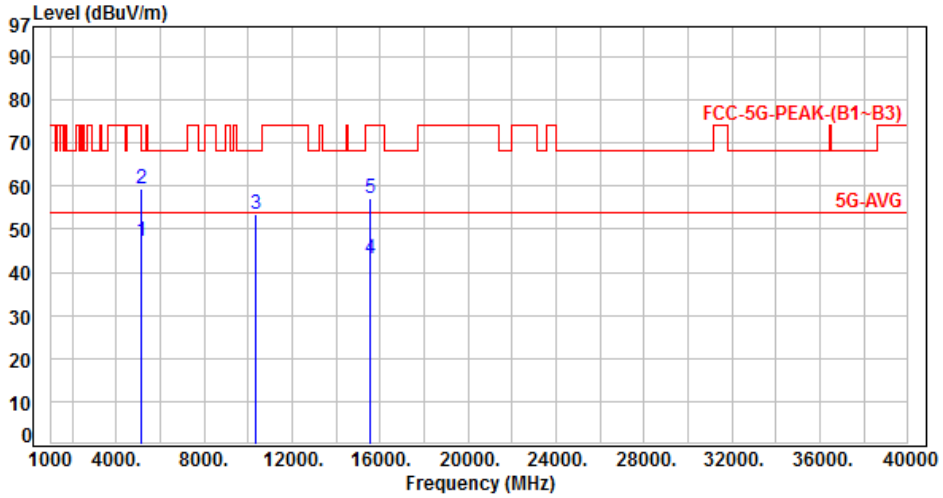
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH48		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	5.02	40.28	45.30	54.00	-8.70	Average	185	176	P
2	5350.00	5.02	53.46	58.48	74.00	-15.52	Peak	185	176	P
3	10480.00	11.70	42.39	54.09	68.20	-14.11	Peak	100	199	P
4	15720.00	13.12	29.55	42.67	54.00	-11.33	Average	100	234	P
5	15720.00	13.12	43.47	56.59	74.00	-17.41	Peak	100	234	P

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

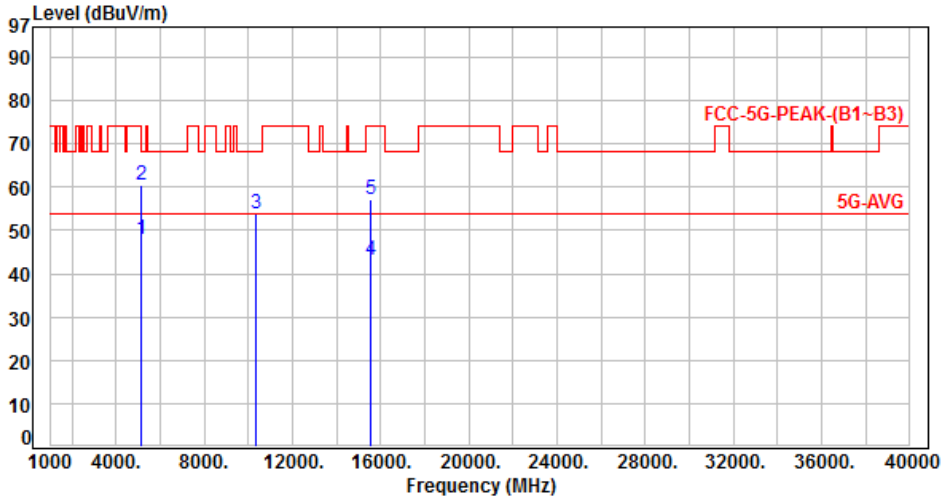
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 1, CH36		:	



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	4.69	42.53	47.22	54.00	-6.78	Average	140	149	P
2	5150.00	4.69	54.68	59.37	74.00	-14.63	Peak	140	149	P
3	10360.00	11.51	42.03	53.54	68.20	-14.66	Peak	100	168	P
4	15540.00	13.85	29.17	43.02	54.00	-10.98	Average	100	189	P
5	15540.00	13.85	43.19	57.04	74.00	-16.96	Peak	100	189	P

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

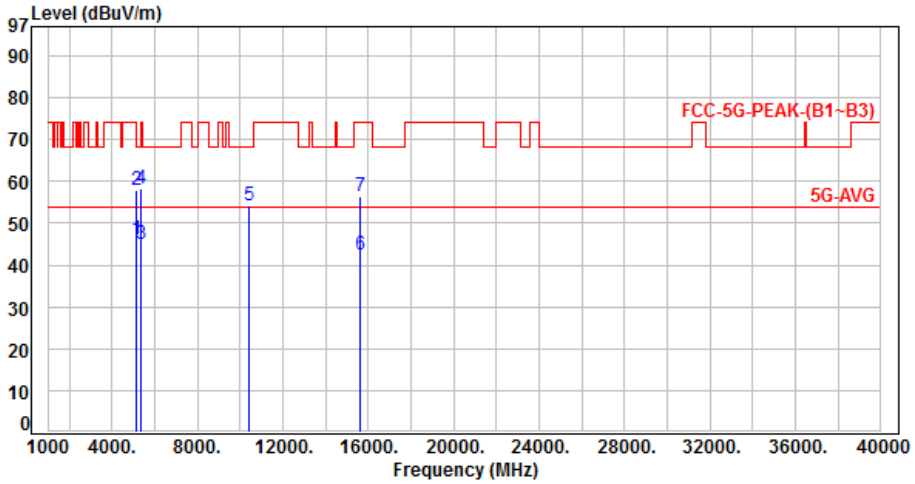
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 1, CH36		:	



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	4.69	43.34	48.03	54.00	-5.97	Average	100	176	P
2	5150.00	4.69	55.74	60.43	74.00	-13.57	Peak	100	176	P
3	10360.00	11.51	42.43	53.94	68.20	-14.26	Peak	100	189	P
4	15540.00	13.85	29.22	43.07	54.00	-10.93	Average	100	204	P
5	15540.00	13.85	43.36	57.21	74.00	-16.79	Peak	100	204	P

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

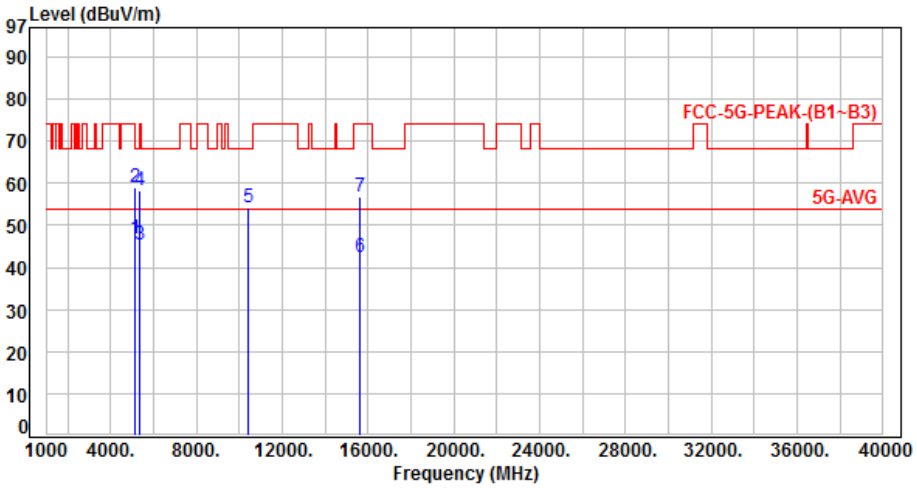
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 1, CH40		:	



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	4.69	41.28	45.97	54.00	-8.03	Average	126	145	P
2	5150.00	4.69	53.40	58.09	74.00	-15.91	Peak	126	145	P
3	5350.00	5.02	40.06	45.08	54.00	-8.92	Average	126	145	P
4	5350.00	5.02	53.28	58.30	74.00	-15.70	Peak	126	145	P
5	10400.00	11.57	42.64	54.21	68.20	-13.99	Peak	100	129	P
6	15600.00	13.45	28.93	42.38	54.00	-11.62	Average	100	107	P
7	15600.00	13.45	43.12	56.57	74.00	-17.43	Peak	100	107	P

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

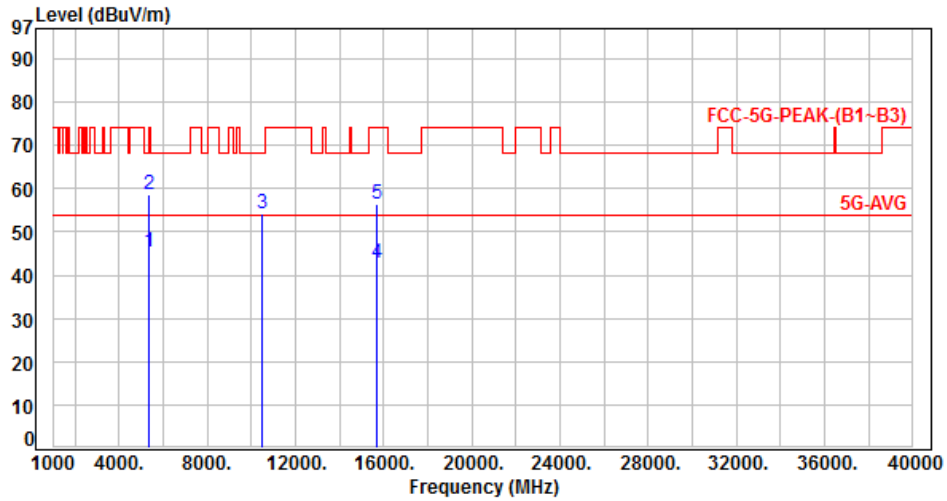
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 1, CH40		:	



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	4.69	42.28	46.97	54.00	-7.03	Average	197	179	P
2	5150.00	4.69	54.28	58.97	74.00	-15.03	Peak	197	179	P
3	5350.00	5.02	40.20	45.22	54.00	-8.78	Average	197	179	P
4	5350.00	5.02	53.17	58.19	74.00	-15.81	Peak	197	179	P
5	10400.00	11.57	42.77	54.34	68.20	-13.86	Peak	100	206	P
6	15600.00	13.45	28.99	42.44	54.00	-11.56	Average	100	191	P
7	15600.00	13.45	43.37	56.82	74.00	-17.18	Peak	100	191	P

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

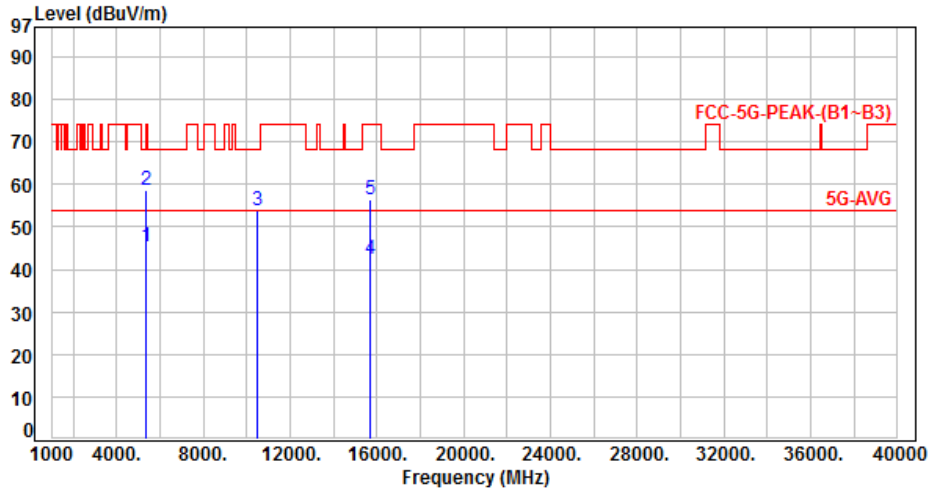
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 1, CH48		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	5.02	40.39	45.41	54.00	-8.59	Average	120	145	P
2	5350.00	5.02	53.67	58.69	74.00	-15.31	Peak	120	145	P
3	10480.00	11.70	42.57	54.27	68.20	-13.93	Peak	100	117	P
4	15720.00	13.12	29.67	42.79	54.00	-11.21	Average	100	92	P
5	15720.00	13.12	43.23	56.35	74.00	-17.65	Peak	100	92	P

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

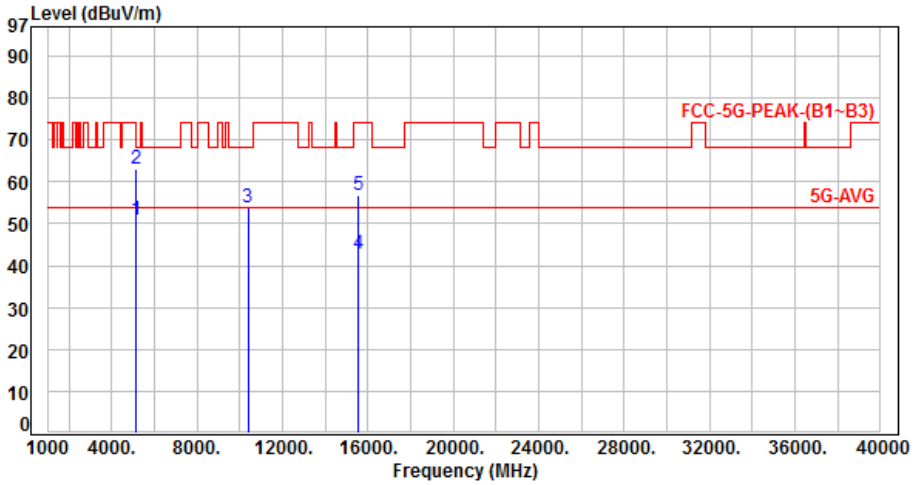
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 1, CH48		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5350.00	5.02	40.22	45.24	54.00	-8.76	Average	195	176	P
2	5350.00	5.02	53.63	58.65	74.00	-15.35	Peak	195	176	P
3	10480.00	11.70	42.02	53.72	68.20	-14.48	Peak	100	214	P
4	15720.00	13.12	29.35	42.47	54.00	-11.53	Average	100	184	P
5	15720.00	13.12	43.48	56.60	74.00	-17.40	Peak	100	184	P

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

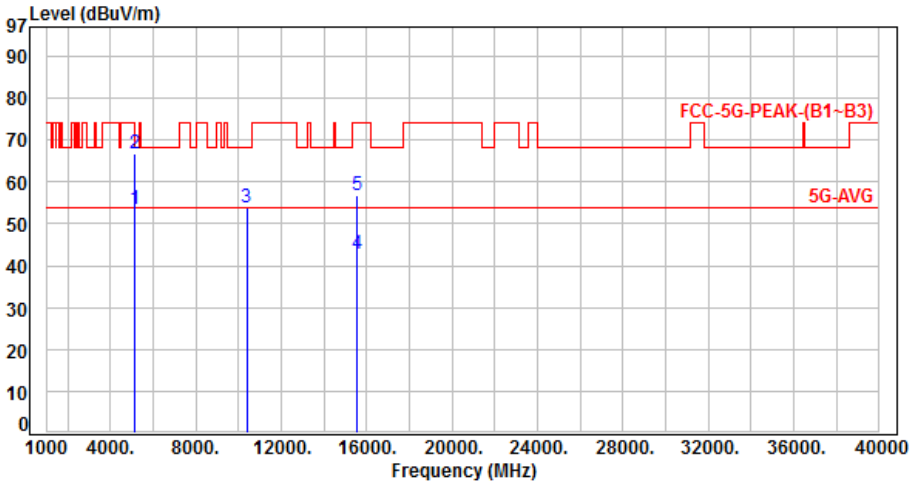
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 1, CH38		:	



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	4.69	46.22	50.91	54.00	-3.09	Average	190	141	P
2	5150.00	4.69	58.34	63.03	74.00	-10.97	Peak	190	141	P
3	10380.00	11.54	42.47	54.01	68.20	-14.19	Peak	100	132	P
4	15570.00	13.65	29.18	42.83	54.00	-11.17	Average	100	120	P
5	15570.00	13.65	43.19	56.84	74.00	-17.16	Peak	100	120	P

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

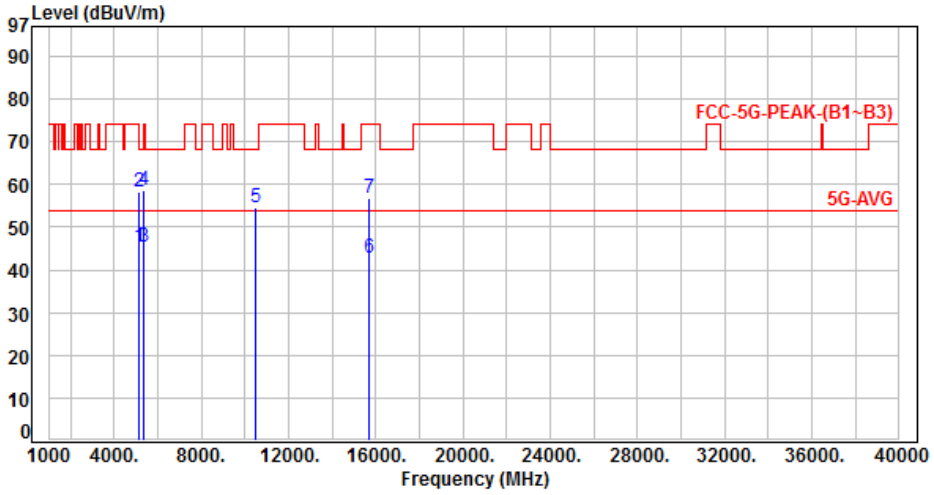
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 1, CH38		:	



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	4.69	48.87	53.56	54.00	-0.44	Average	132	174	P
2	5150.00	4.69	62.25	66.94	74.00	-7.06	Peak	132	174	P
3	10380.00	11.54	42.36	53.90	68.20	-14.30	Peak	100	192	P
4	15570.00	13.65	29.23	42.88	54.00	-11.12	Average	100	185	P
5	15570.00	13.65	43.19	56.84	74.00	-17.16	Peak	100	185	P

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

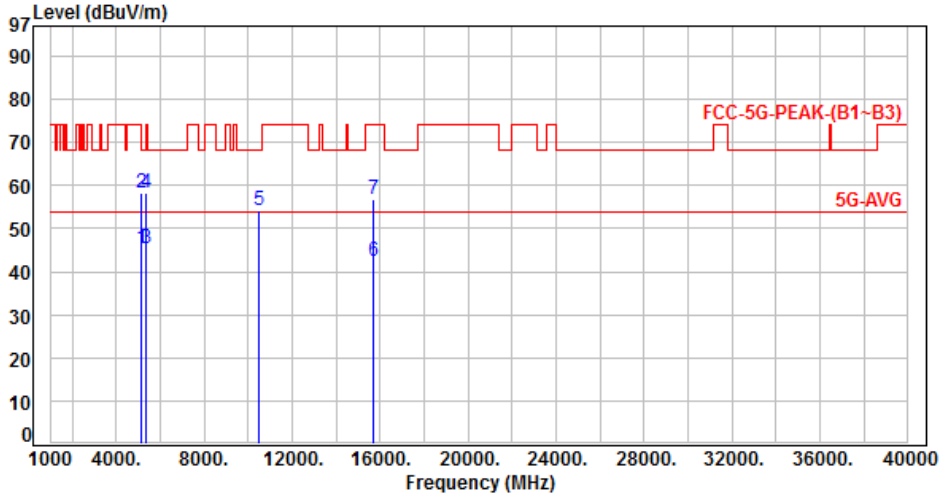
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 1, CH46		:	



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	4.69	40.62	45.31	54.00	-8.69	Average	121	147	P
2	5150.00	4.69	53.45	58.14	74.00	-15.86	Peak	121	147	P
3	5350.00	5.02	40.21	45.23	54.00	-8.77	Average	121	147	P
4	5350.00	5.02	53.69	58.71	74.00	-15.29	Peak	121	147	P
5	10460.00	11.67	42.88	54.55	68.20	-13.65	Peak	100	130	P
6	15690.00	13.13	29.51	42.64	54.00	-11.36	Average	100	108	P
7	15690.00	13.13	43.75	56.88	74.00	-17.12	Peak	100	108	P

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

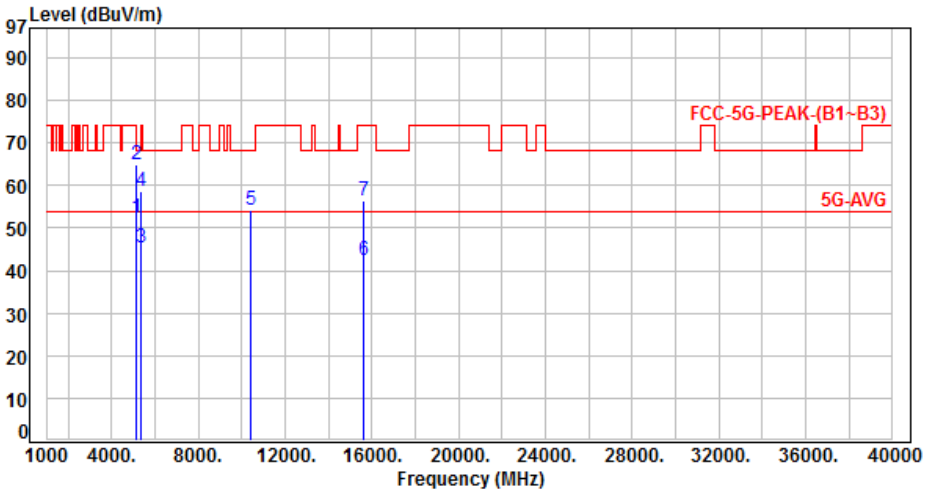
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 1, CH46		:	



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	4.69	40.70	45.39	54.00	-8.61	Average	211	178	P
2	5150.00	4.69	53.68	58.37	74.00	-15.63	Peak	211	178	P
3	5350.00	5.02	40.19	45.21	54.00	-8.79	Average	211	178	P
4	5350.00	5.02	53.38	58.40	74.00	-15.60	Peak	211	178	P
5	10460.00	11.67	42.38	54.05	68.20	-14.15	Peak	100	162	P
6	15690.00	13.13	29.43	42.56	54.00	-11.44	Average	100	187	P
7	15690.00	13.13	43.56	56.69	74.00	-17.31	Peak	100	187	P

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

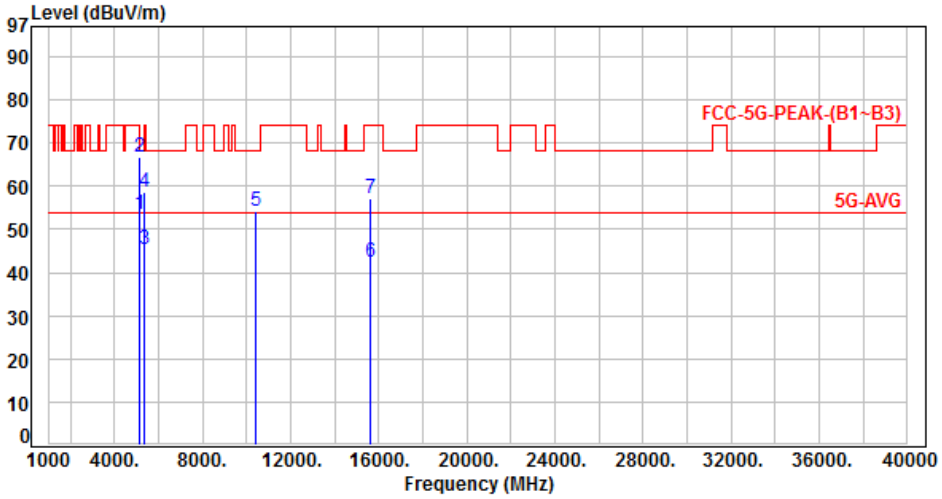
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 1, CH42		:	



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	4.69	47.52	52.21	54.00	-1.79	Average	100	140	P
2	5150.00	4.69	60.35	65.04	74.00	-8.96	Peak	100	140	P
3	5350.00	5.02	40.23	45.25	54.00	-8.75	Average	100	140	P
4	5350.00	5.02	53.47	58.49	74.00	-15.51	Peak	100	140	P
5	10420.00	11.61	42.67	54.28	68.20	-13.92	Peak	100	129	P
6	15630.00	13.34	29.17	42.51	54.00	-11.49	Average	100	112	P
7	15630.00	13.34	43.19	56.53	74.00	-17.47	Peak	100	112	P

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

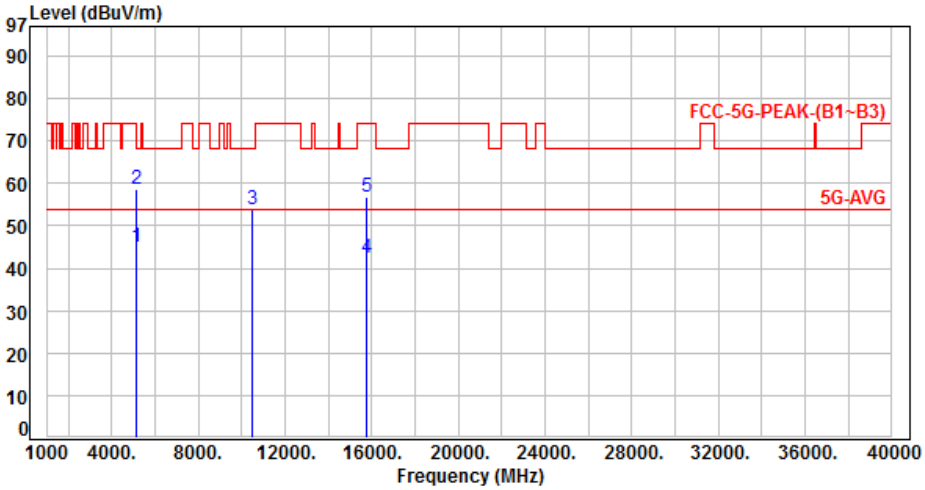
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 1, CH42		:	



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	4.69	48.68	53.37	54.00	-0.63	Average	114	174	P
2	5150.00	4.69	62.15	66.84	74.00	-7.16	Peak	114	174	P
3	5350.00	5.02	40.34	45.36	54.00	-8.64	Average	114	174	P
4	5350.00	5.02	53.64	58.66	74.00	-15.34	Peak	114	174	P
5	10420.00	11.61	42.74	54.35	68.20	-13.85	Peak	100	206	P
6	15630.00	13.34	29.24	42.58	54.00	-11.42	Average	100	191	P
7	15630.00	13.34	43.66	57.00	74.00	-17.00	Peak	100	191	P

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

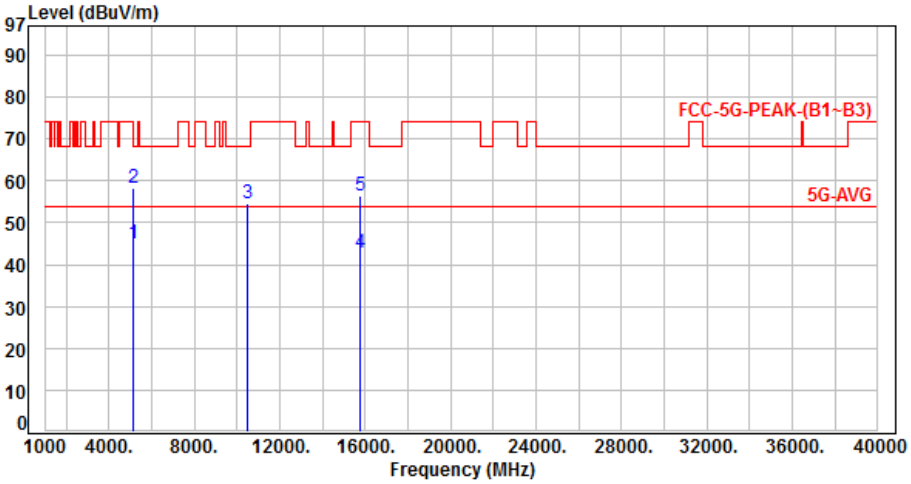
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH52		:	



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	4.69	40.18	44.87	54.00	-9.13	Average	113	147	P
2	5150.00	4.69	53.78	58.47	74.00	-15.53	Peak	113	147	P
3	10520.00	11.79	42.24	54.03	68.20	-14.17	Peak	100	132	P
4	15780.00	13.21	29.34	42.55	54.00	-11.45	Average	100	116	P
5	15780.00	13.21	43.56	56.77	74.00	-17.23	Peak	100	116	P

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

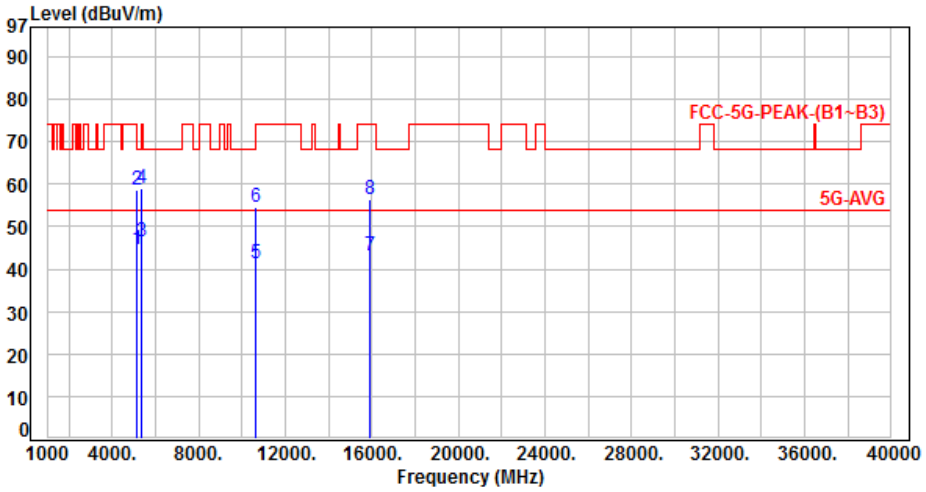
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH52		:	



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	4.69	40.19	44.88	54.00	-9.12	Average	215	174	P
2	5150.00	4.69	53.47	58.16	74.00	-15.84	Peak	215	174	P
3	10520.00	11.79	42.78	54.57	68.20	-13.63	Peak	100	216	P
4	15780.00	13.21	29.42	42.63	54.00	-11.37	Average	100	189	P
5	15780.00	13.21	43.37	56.58	74.00	-17.42	Peak	100	189	P

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

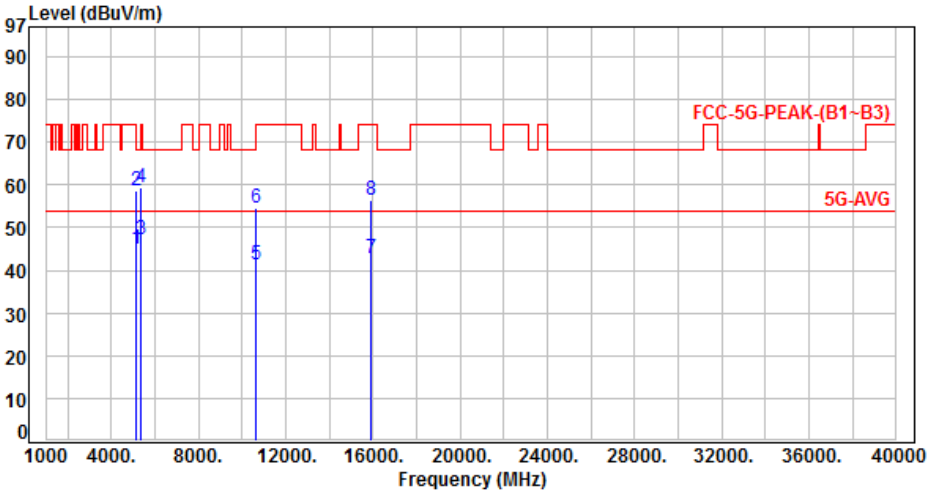
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH60		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	4.69	40.04	44.73	54.00	-9.27	Average	124	143	P
2	5150.00	4.69	53.85	58.54	74.00	-15.46	Peak	124	143	P
3	5350.00	5.02	41.27	46.29	54.00	-7.71	Average	124	143	P
4	5350.00	5.02	53.93	58.95	74.00	-15.05	Peak	124	143	P
5	10600.00	12.03	29.43	41.46	54.00	-12.54	Average	100	127	P
6	10600.00	12.03	42.38	54.41	74.00	-19.59	Peak	100	127	P
7	15900.00	12.98	30.16	43.14	54.00	-10.86	Average	100	113	P
8	15900.00	12.98	43.39	56.37	74.00	-17.63	Peak	100	113	P

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

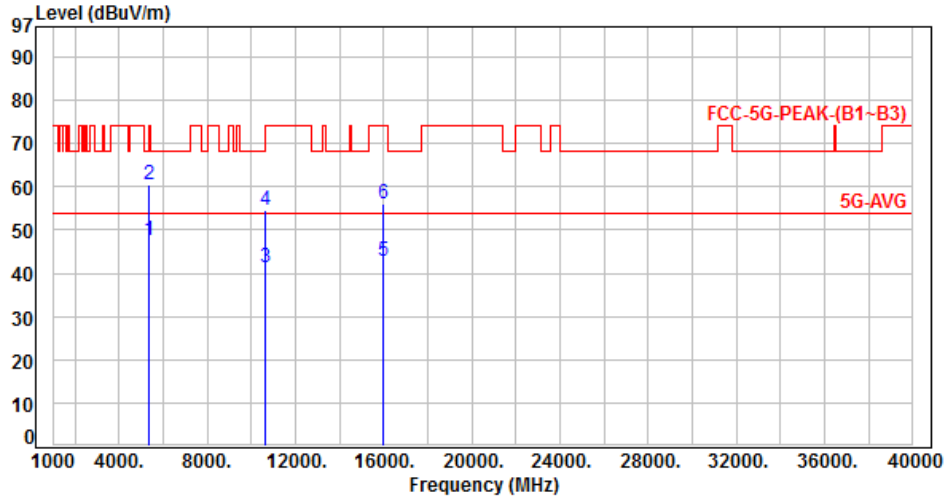
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH60		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	4.69	40.22	44.91	54.00	-9.09	Average	171	172	P
2	5150.00	4.69	53.93	58.62	74.00	-15.38	Peak	171	172	P
3	5350.00	5.02	42.36	47.38	54.00	-6.62	Average	171	172	P
4	5350.00	5.02	54.45	59.47	74.00	-14.53	Peak	171	172	P
5	10600.00	12.03	29.26	41.29	54.00	-12.71	Average	100	208	P
6	10600.00	12.03	42.62	54.65	74.00	-19.35	Peak	100	208	P
7	15900.00	12.98	29.73	42.71	54.00	-11.29	Average	100	192	P
8	15900.00	12.98	43.52	56.50	74.00	-17.50	Peak	100	192	P

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

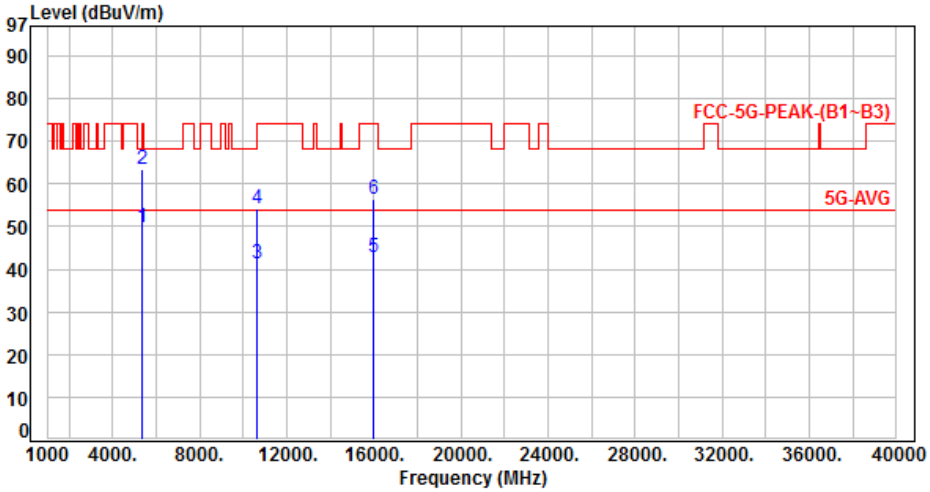
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH64		:	



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	5.02	42.51	47.53	54.00	-6.47	Average	112	146	P
2	5350.00	5.02	55.32	60.34	74.00	-13.66	Peak	112	146	P
3	10640.00	12.02	29.16	41.18	54.00	-12.82	Average	100	114	P
4	10640.00	12.02	42.72	54.74	74.00	-19.26	Peak	100	114	P
5	15960.00	12.88	29.77	42.65	54.00	-11.35	Average	100	105	P
6	15960.00	12.88	43.11	55.99	74.00	-18.01	Peak	100	105	P

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

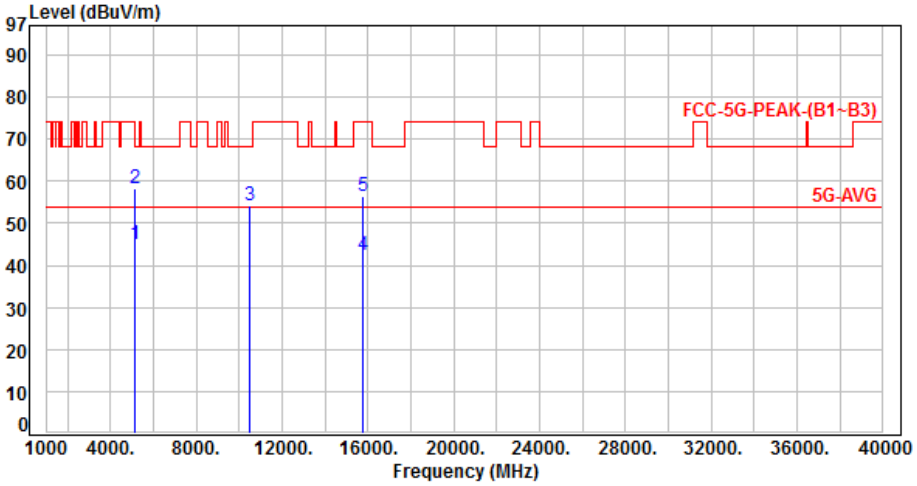
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH64		:	



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	5.02	44.81	49.83	54.00	-4.17	Average	180	173	P
2	5350.00	5.02	58.45	63.47	74.00	-10.53	Peak	180	173	P
3	10640.00	12.02	29.33	41.35	54.00	-12.65	Average	100	228	P
4	10640.00	12.02	42.31	54.33	74.00	-19.67	Peak	100	228	P
5	15960.00	12.88	29.82	42.70	54.00	-11.30	Average	100	197	P
6	15960.00	12.88	43.62	56.50	74.00	-17.50	Peak	100	197	P

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

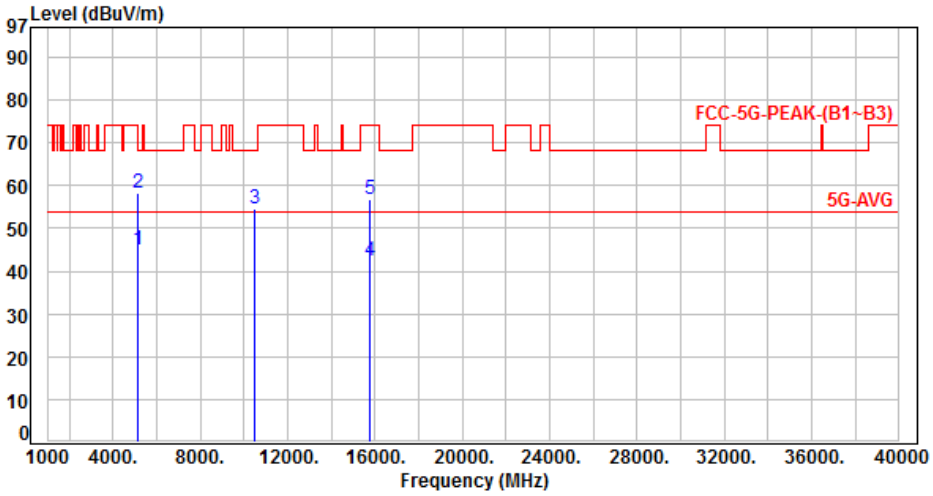
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 2, CH52		:	



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	4.69	40.27	44.96	54.00	-9.04	Average	120	144	P
2	5150.00	4.69	53.58	58.27	74.00	-15.73	Peak	120	144	P
3	10520.00	11.79	42.46	54.25	68.20	-13.95	Peak	100	111	P
4	15780.00	13.21	29.37	42.58	54.00	-11.42	Average	100	129	P
5	15780.00	13.21	43.29	56.50	74.00	-17.50	Peak	100	129	P

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

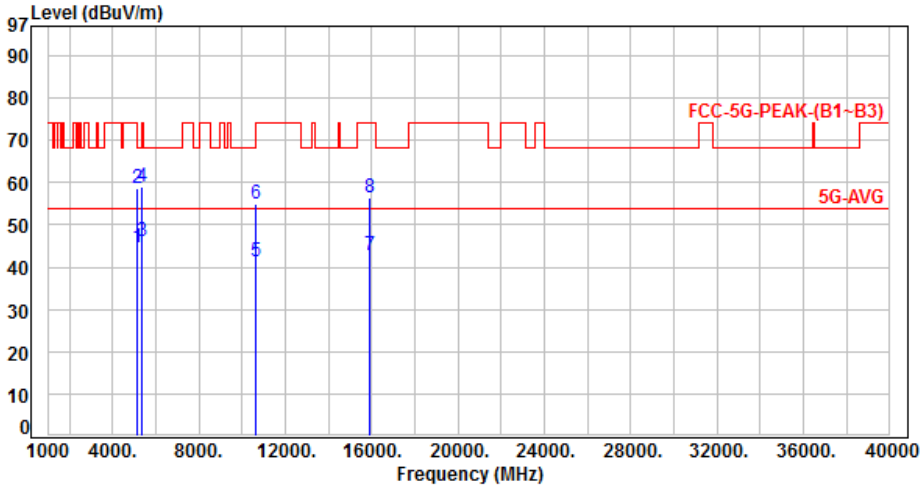
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 2, CH52		:	



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	4.69	40.37	45.06	54.00	-8.94	Average	231	171	P
2	5150.00	4.69	53.67	58.36	74.00	-15.64	Peak	231	171	P
3	10520.00	11.79	42.74	54.53	68.20	-13.67	Peak	100	198	P
4	15780.00	13.21	29.34	42.55	54.00	-11.45	Average	100	239	P
5	15780.00	13.21	43.42	56.63	74.00	-17.37	Peak	100	239	P

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

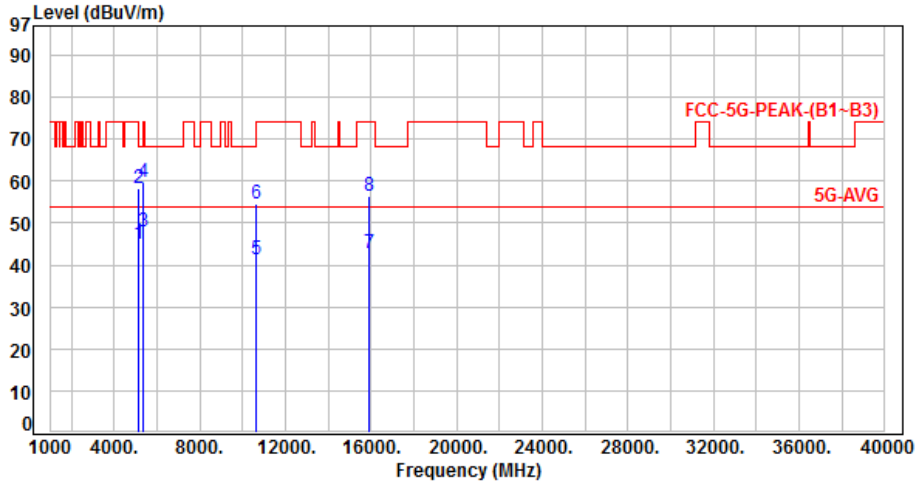
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 2, CH60		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	4.69	40.07	44.76	54.00	-9.24	Average	122	149	P
2	5150.00	4.69	53.98	58.67	74.00	-15.33	Peak	122	149	P
3	5350.00	5.02	41.14	46.16	54.00	-7.84	Average	122	149	P
4	5350.00	5.02	54.15	59.17	74.00	-14.83	Peak	122	149	P
5	10600.00	12.03	29.35	41.38	54.00	-12.62	Average	100	132	P
6	10600.00	12.03	42.83	54.86	74.00	-19.14	Peak	100	132	P
7	15900.00	12.98	29.86	42.84	54.00	-11.16	Average	100	116	P
8	15900.00	12.98	43.57	56.55	74.00	-17.45	Peak	100	116	P

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

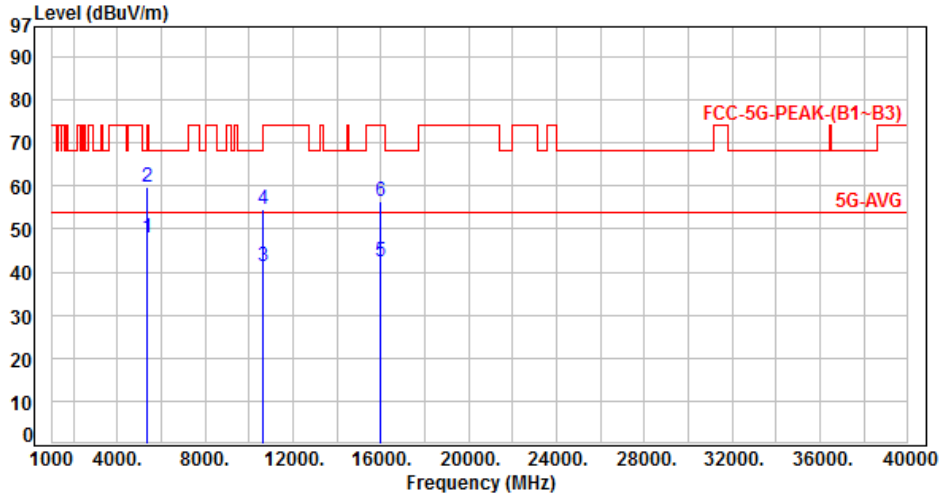
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 2, CH60		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	4.69	40.20	44.89	54.00	-9.11	Average	170	172	P
2	5150.00	4.69	53.70	58.39	74.00	-15.61	Peak	170	172	P
3	5350.00	5.02	42.74	47.76	54.00	-6.24	Average	170	172	P
4	5350.00	5.02	54.69	59.71	74.00	-14.29	Peak	170	172	P
5	10600.00	12.03	29.27	41.30	54.00	-12.70	Average	100	227	P
6	10600.00	12.03	42.71	54.74	74.00	-19.26	Peak	100	227	P
7	15900.00	12.98	29.68	42.66	54.00	-11.34	Average	100	196	P
8	15900.00	12.98	43.39	56.37	74.00	-17.63	Peak	100	196	P

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

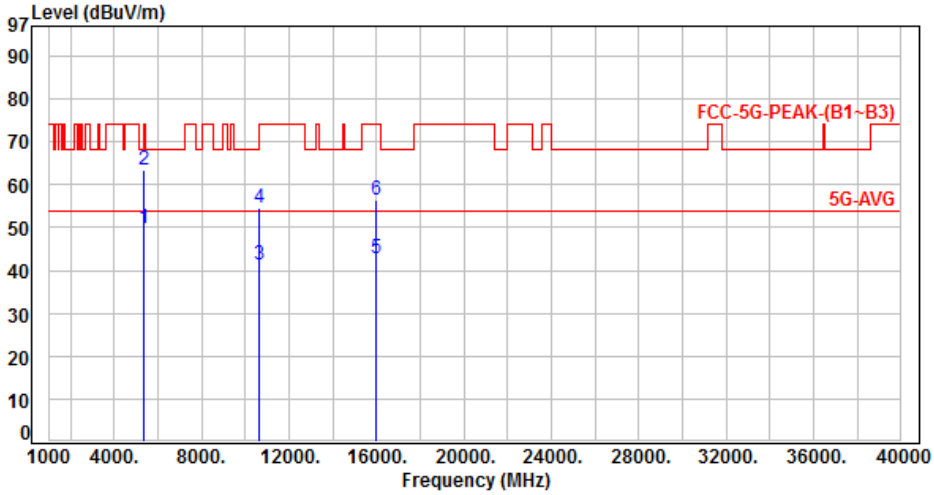
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 2, CH64		:	



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	5.02	42.92	47.94	54.00	-6.06	Average	111	151	P
2	5350.00	5.02	54.82	59.84	74.00	-14.16	Peak	111	151	P
3	10640.00	12.02	29.16	41.18	54.00	-12.82	Average	100	139	P
4	10640.00	12.02	42.55	54.57	74.00	-19.43	Peak	100	139	P
5	15960.00	12.88	29.66	42.54	54.00	-11.46	Average	100	123	P
6	15960.00	12.88	43.63	56.51	74.00	-17.49	Peak	100	123	P

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

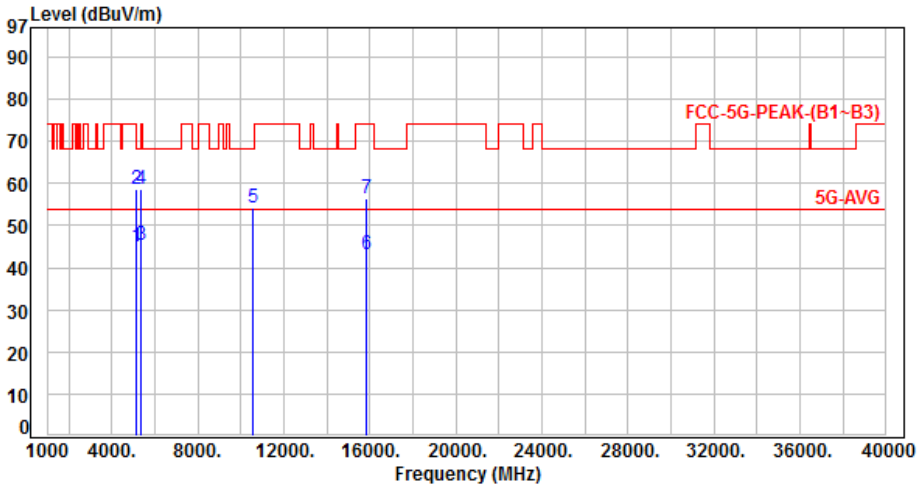
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 2, CH64		:	



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	5.02	44.85	49.87	54.00	-4.13	Average	119	175	P
2	5350.00	5.02	58.39	63.41	74.00	-10.59	Peak	119	175	P
3	10640.00	12.02	29.36	41.38	54.00	-12.62	Average	100	200	P
4	10640.00	12.02	42.59	54.61	74.00	-19.39	Peak	100	200	P
5	15960.00	12.88	29.78	42.66	54.00	-11.34	Average	100	189	P
6	15960.00	12.88	43.55	56.43	74.00	-17.57	Peak	100	189	P

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

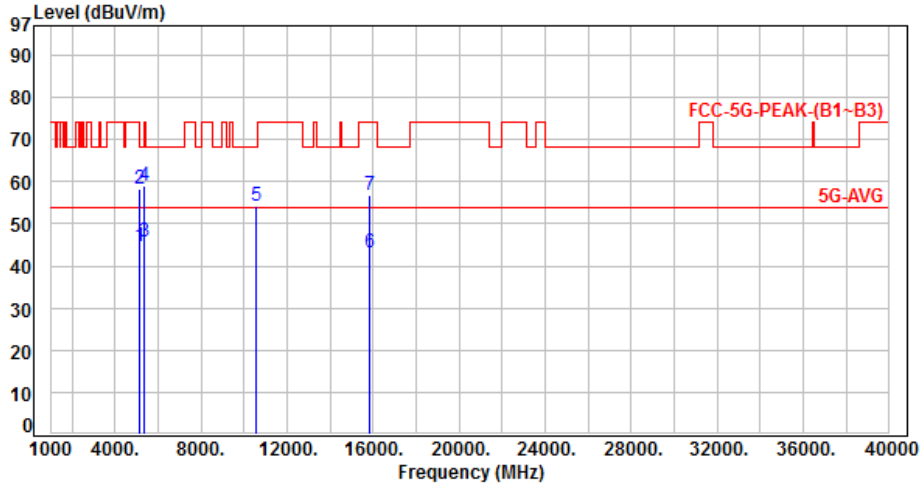
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 2, CH54		:	



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	4.69	40.14	44.83	54.00	-9.17	Average	121	146	P
2	5150.00	4.69	53.94	58.63	74.00	-15.37	Peak	121	146	P
3	5350.00	5.02	40.38	45.40	54.00	-8.60	Average	121	146	P
4	5350.00	5.02	53.78	58.80	74.00	-15.20	Peak	121	146	P
5	10540.00	11.85	42.52	54.37	68.20	-13.83	Peak	100	127	P
6	15810.00	13.21	29.84	43.05	54.00	-10.95	Average	100	102	P
7	15810.00	13.21	43.27	56.48	74.00	-17.52	Peak	100	102	P

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

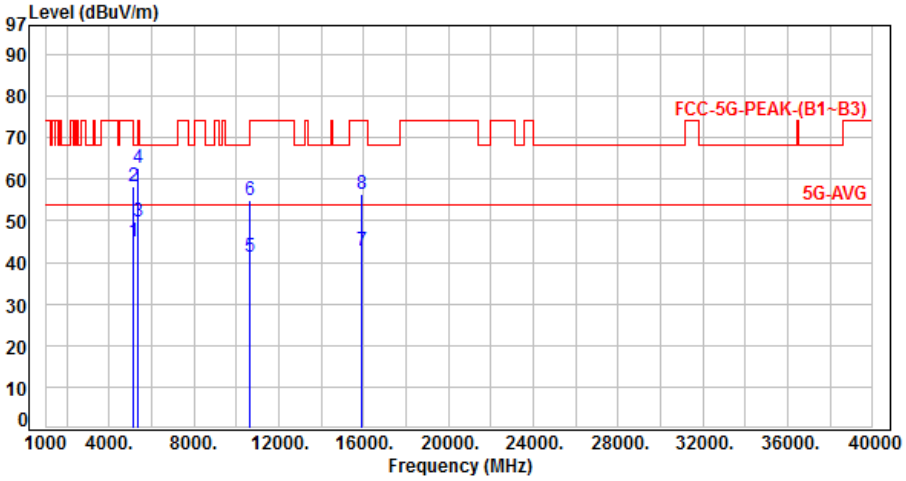
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 2, CH54		:	



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	4.69	40.08	44.77	54.00	-9.23	Average	206	173	P
2	5150.00	4.69	53.75	58.44	74.00	-15.56	Peak	206	173	P
3	5350.00	5.02	40.62	45.64	54.00	-8.36	Average	206	173	P
4	5350.00	5.02	53.92	58.94	74.00	-15.06	Peak	206	173	P
5	10540.00	11.85	42.39	54.24	68.20	-13.96	Peak	100	196	P
6	15810.00	13.21	29.86	43.07	54.00	-10.93	Average	100	188	P
7	15810.00	13.21	43.73	56.94	74.00	-17.06	Peak	100	188	P

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

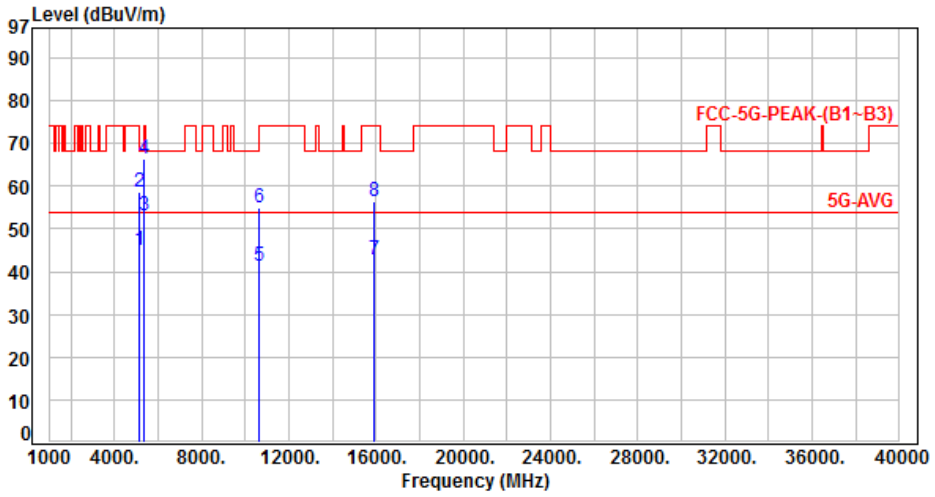
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 2, CH62		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	4.69	40.20	44.89	54.00	-9.11	Average	108	148	P
2	5150.00	4.69	53.54	58.23	74.00	-15.77	Peak	108	148	P
3	5350.00	5.02	44.63	49.65	54.00	-4.35	Average	108	148	P
4	5350.00	5.02	57.66	62.68	74.00	-11.32	Peak	108	148	P
5	10620.00	12.03	29.22	41.25	54.00	-12.75	Average	100	136	P
6	10620.00	12.03	42.96	54.99	74.00	-19.01	Peak	100	136	P
7	15930.00	12.93	29.83	42.76	54.00	-11.24	Average	100	117	P
8	15930.00	12.93	43.42	56.35	74.00	-17.65	Peak	100	117	P

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

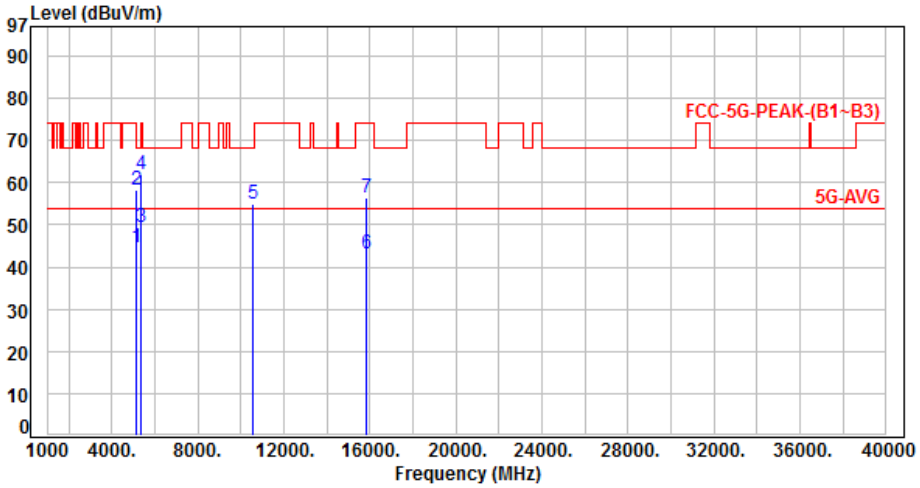
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 2, CH62		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	4.69	40.16	44.85	54.00	-9.15	Average	158	175	P
2	5150.00	4.69	53.87	58.56	74.00	-15.44	Peak	158	175	P
3	5350.00	5.02	48.04	53.06	54.00	-0.94	Average	158	175	P
4	5350.00	5.02	61.33	66.35	74.00	-7.65	Peak	158	175	P
5	10620.00	12.03	29.37	41.40	54.00	-12.60	Average	100	220	P
6	10620.00	12.03	42.77	54.80	74.00	-19.20	Peak	100	220	P
7	15930.00	12.93	29.92	42.85	54.00	-11.15	Average	100	192	P
8	15930.00	12.93	43.46	56.39	74.00	-17.61	Peak	100	192	P

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

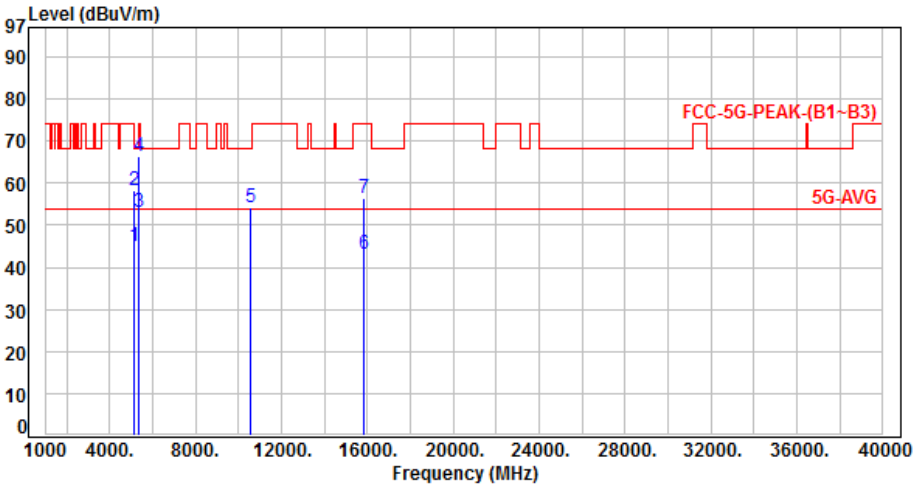
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, Band 2, CH58		:	



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	4.69	40.10	44.79	54.00	-9.21	Average	167	147	P
2	5150.00	4.69	53.70	58.39	74.00	-15.61	Peak	167	147	P
3	5350.00	5.02	44.57	49.59	54.00	-4.41	Average	167	147	P
4	5350.00	5.02	56.91	61.93	74.00	-12.07	Peak	167	147	P
5	10580.00	11.97	42.88	54.85	68.20	-13.35	Peak	100	129	P
6	15870.00	13.06	30.03	43.09	54.00	-10.91	Average	100	112	P
7	15870.00	13.06	43.29	56.35	74.00	-17.65	Peak	100	112	P

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

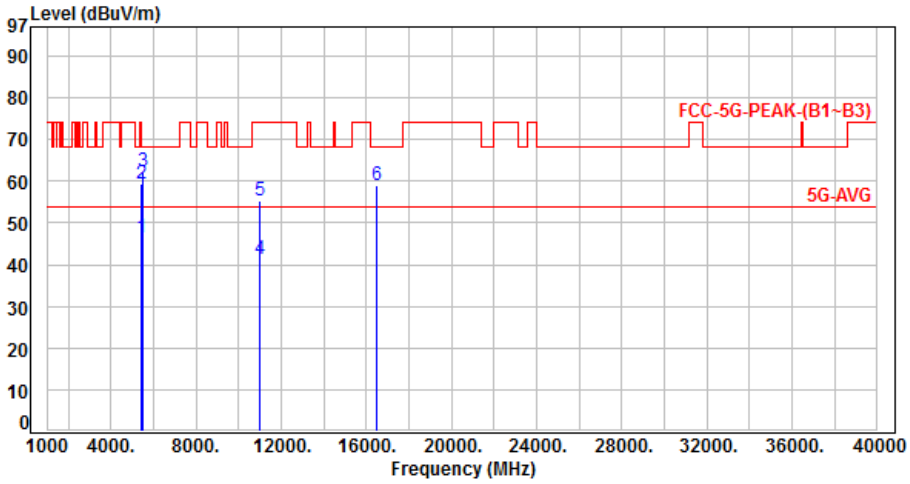
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 2, CH58		:	



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	4.69	40.17	44.86	54.00	-9.14	Average	153	177	P
2	5150.00	4.69	53.56	58.25	74.00	-15.75	Peak	153	177	P
3	5350.00	5.02	47.92	52.94	54.00	-1.06	Average	153	177	P
4	5350.00	5.02	61.37	66.39	74.00	-7.61	Peak	153	177	P
5	10580.00	11.97	42.26	54.23	68.20	-13.97	Peak	100	199	P
6	15870.00	13.06	30.13	43.19	54.00	-10.81	Average	100	186	P
7	15870.00	13.06	43.55	56.61	74.00	-17.39	Peak	100	186	P

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

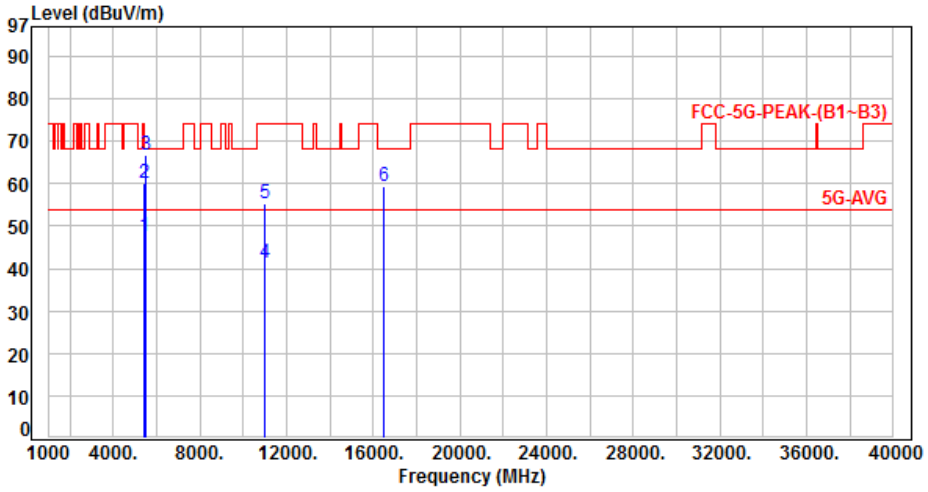
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH100		:	



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	5.20	41.30	46.50	54.00	-7.50	Average	105	175	P
2	5460.00	5.20	54.33	59.53	74.00	-14.47	Peak	105	175	P
3	5470.00	5.20	57.07	62.27	68.20	-5.93	Peak	105	175	P
4	11000.00	12.41	28.76	41.17	54.00	-12.83	Average	100	192	P
5	11000.00	12.41	42.88	55.29	74.00	-18.71	Peak	100	192	P
6	16500.00	14.43	44.56	58.99	68.20	-9.21	Peak	100	187	P

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

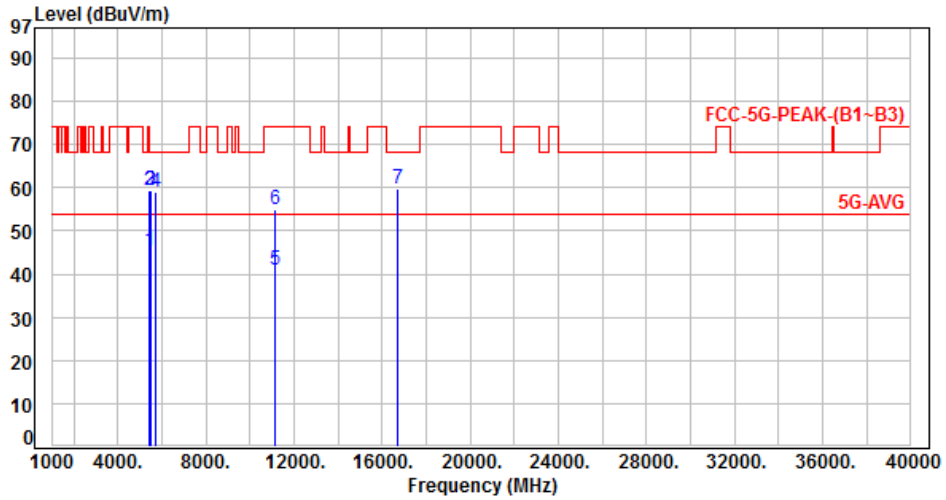
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH100		:	



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	5.20	42.41	47.61	54.00	-6.39	Average	161	181	P
2	5460.00	5.20	54.86	60.06	74.00	-13.94	Peak	161	181	P
3	5470.00	5.20	61.72	66.92	68.20	-1.28	Peak	161	181	P
4	11000.00	12.41	28.81	41.22	54.00	-12.78	Average	100	234	P
5	11000.00	12.41	43.08	55.49	74.00	-18.51	Peak	100	234	P
6	16500.00	14.43	44.78	59.21	68.20	-8.99	Peak	100	242	P

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

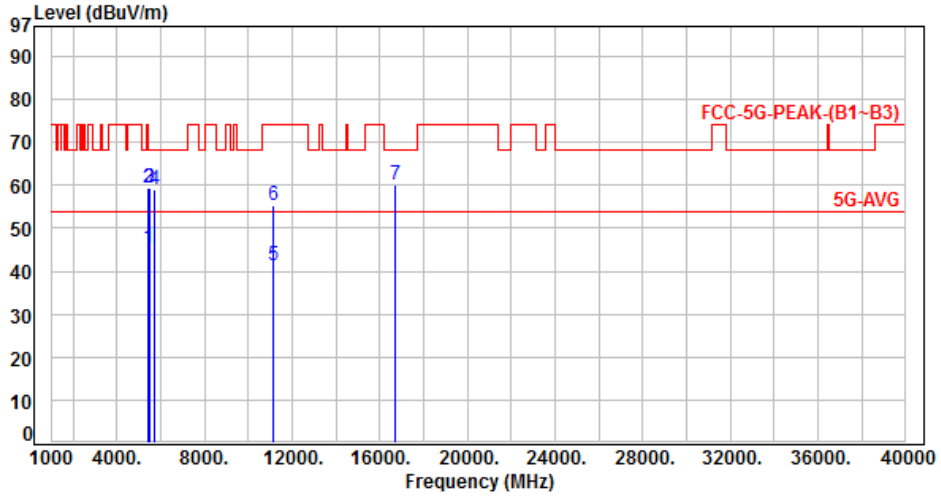
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH116		:	



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	5.20	40.33	45.53	54.00	-8.47	Average	100	157	P
2	5460.00	5.20	54.20	59.40	74.00	-14.60	Peak	100	157	P
3	5470.00	5.20	54.35	59.55	68.20	-8.65	Peak	100	157	P
4	5725.00	5.14	53.74	58.88	68.20	-9.32	Peak	100	157	P
5	11160.00	12.66	28.45	41.11	54.00	-12.89	Average	100	168	P
6	11160.00	12.66	42.43	55.09	74.00	-18.91	Peak	100	168	P
7	16740.00	15.96	43.86	59.82	68.20	-8.38	Peak	100	159	P

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

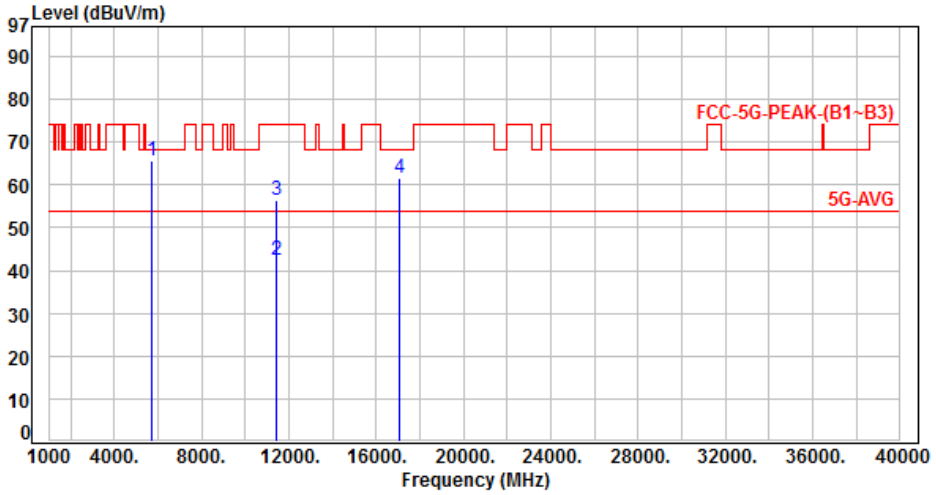
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH116		:	



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	5.20	40.32	45.52	54.00	-8.48	Average	117	183	P
2	5460.00	5.20	54.17	59.37	74.00	-14.63	Peak	117	183	P
3	5470.00	5.20	54.26	59.46	68.20	-8.74	Peak	117	183	P
4	5725.00	5.14	53.90	59.04	68.20	-9.16	Peak	117	183	P
5	11160.00	12.66	28.52	41.18	54.00	-12.82	Average	100	196	P
6	11160.00	12.66	42.78	55.44	74.00	-18.56	Peak	100	196	P
7	16740.00	15.96	43.99	59.95	68.20	-8.25	Peak	100	204	P

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

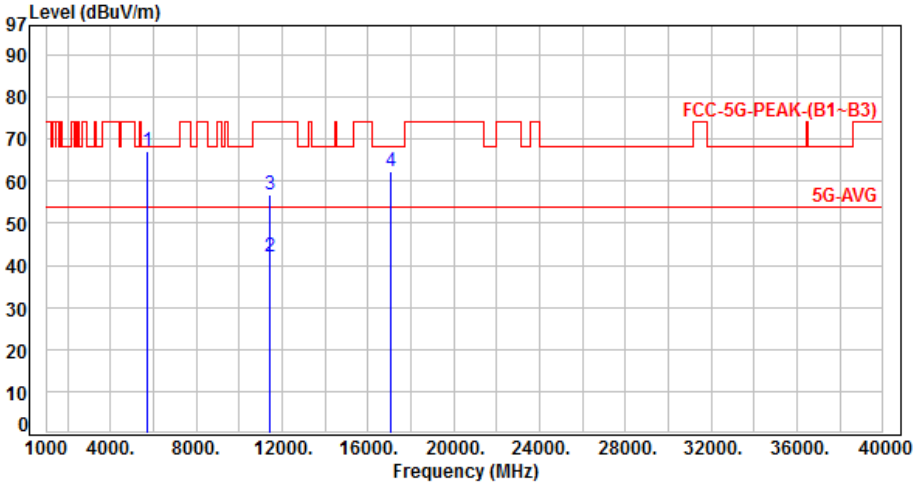
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH140		:	



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	5.14	60.40	65.54	68.20	-2.66	Peak	140	158	P
2	11400.00	12.94	29.42	42.36	54.00	-11.64	Average	100	164	P
3	11400.00	12.94	43.47	56.41	74.00	-17.59	Peak	100	164	P
4	17100.00	18.03	43.71	61.74	68.20	-6.46	Peak	100	171	P

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

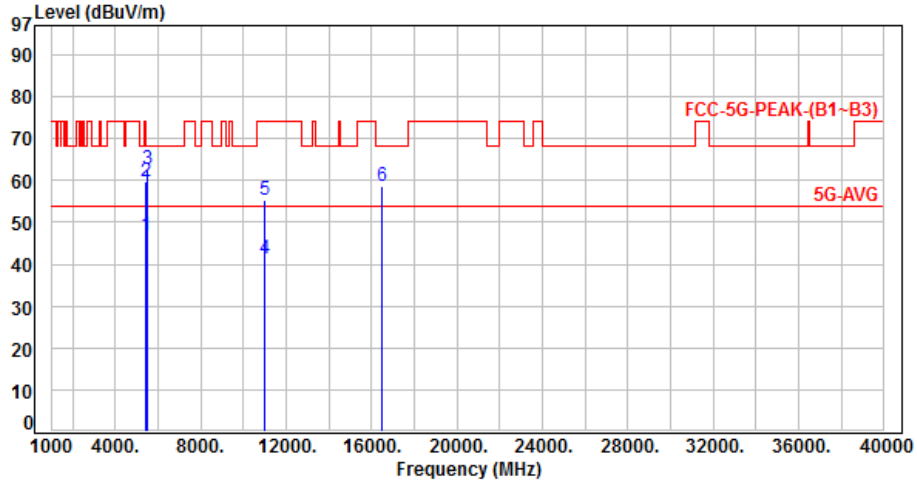
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH140		:	



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	5.14	61.96	67.10	68.20	-1.10	Peak	180	185	P
2	11400.00	12.94	29.27	42.21	54.00	-11.79	Average	100	203	P
3	11400.00	12.94	43.72	56.66	74.00	-17.34	Peak	100	203	P
4	17100.00	18.03	44.15	62.18	68.20	-6.02	Peak	100	214	P

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

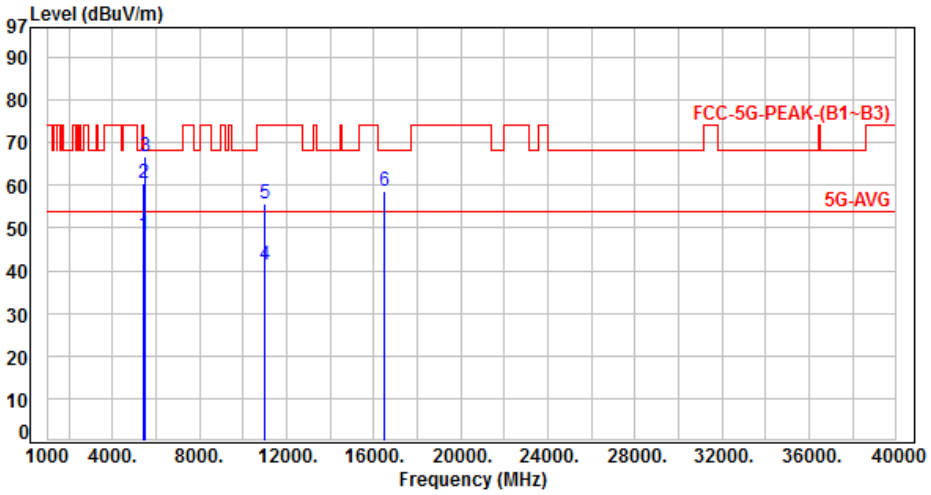
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 3, CH100		:	



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	5.20	41.46	46.66	54.00	-7.34	Average	104	179	P
2	5460.00	5.20	54.54	59.74	74.00	-14.26	Peak	104	179	P
3	5470.00	5.20	57.59	62.79	68.20	-5.41	Peak	104	179	P
4	11000.00	12.41	28.74	41.15	54.00	-12.85	Average	100	198	P
5	11000.00	12.41	43.06	55.47	74.00	-18.53	Peak	100	198	P
6	16500.00	14.43	44.25	58.68	68.20	-9.52	Peak	100	182	P

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

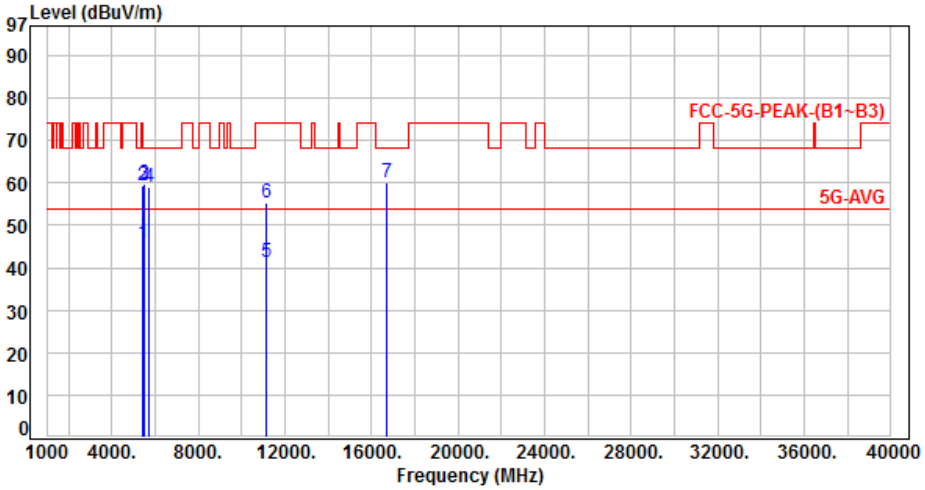
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 3, CH100		:	



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	5.20	42.95	48.15	54.00	-5.85	Average	149	180	P
2	5460.00	5.20	55.37	60.57	74.00	-13.43	Peak	149	180	P
3	5470.00	5.20	61.54	66.74	68.20	-1.46	Peak	149	180	P
4	11000.00	12.41	28.81	41.22	54.00	-12.78	Average	100	231	P
5	11000.00	12.41	43.25	55.66	74.00	-18.34	Peak	100	231	P
6	16500.00	14.43	44.38	58.81	68.20	-9.39	Peak	100	248	P

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

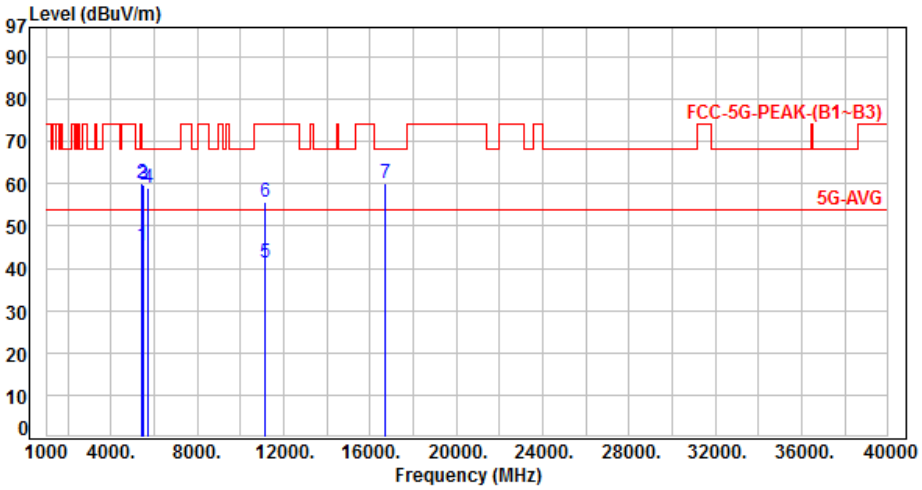
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 3, CH116		:	



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	5.20	40.36	45.56	54.00	-8.44	Average	119	151	P
2	5460.00	5.20	54.26	59.46	74.00	-14.54	Peak	119	151	P
3	5470.00	5.20	54.48	59.68	68.20	-8.52	Peak	119	151	P
4	5725.00	5.14	53.89	59.03	68.20	-9.17	Peak	119	151	P
5	11160.00	12.66	28.54	41.20	54.00	-12.80	Average	100	173	P
6	11160.00	12.66	42.66	55.32	74.00	-18.68	Peak	100	173	P
7	16740.00	15.96	44.03	59.99	68.20	-8.21	Peak	100	162	P

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

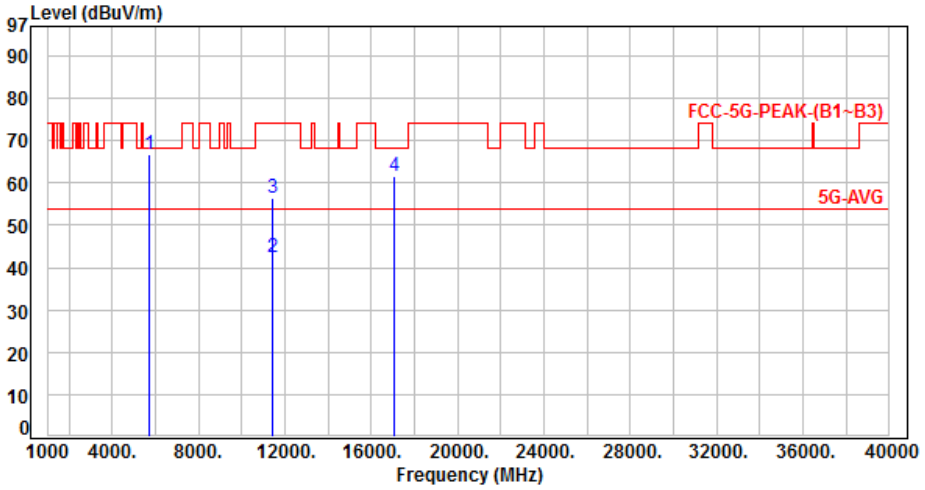
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 3, CH116		:	



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	5.20	40.24	45.44	54.00	-8.56	Average	141	182	P
2	5460.00	5.20	54.83	60.03	74.00	-13.97	Peak	141	182	P
3	5470.00	5.20	54.54	59.74	68.20	-8.46	Peak	141	182	P
4	5725.00	5.14	53.75	58.89	68.20	-9.31	Peak	141	182	P
5	11160.00	12.66	28.64	41.30	54.00	-12.70	Average	100	203	P
6	11160.00	12.66	42.86	55.52	74.00	-18.48	Peak	100	203	P
7	16740.00	15.96	44.18	60.14	68.20	-8.06	Peak	100	212	P

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

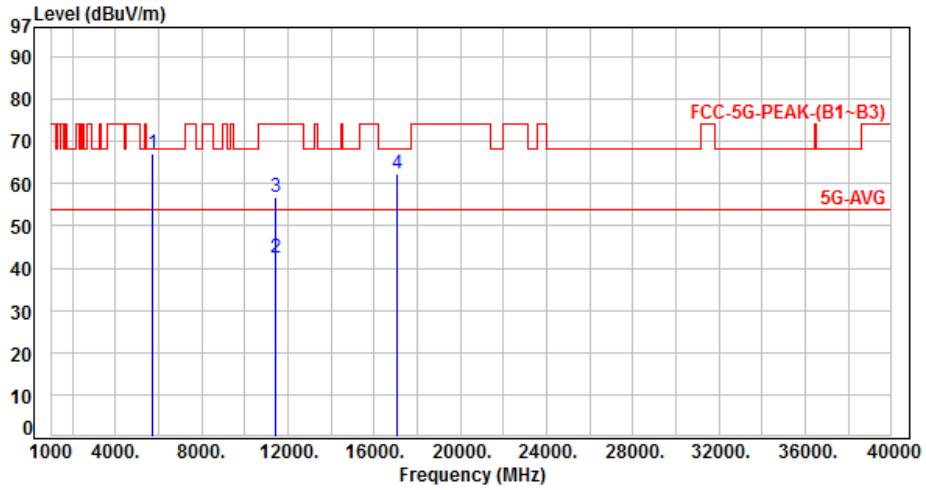
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 3, CH140		:	



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	5.14	61.52	66.66	68.20	-1.54	Peak	141	160	P
2	11400.00	12.94	29.34	42.28	54.00	-11.72	Average	100	157	P
3	11400.00	12.94	43.31	56.25	74.00	-17.75	Peak	100	157	P
4	17100.00	18.03	43.55	61.58	68.20	-6.62	Peak	100	178	P

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

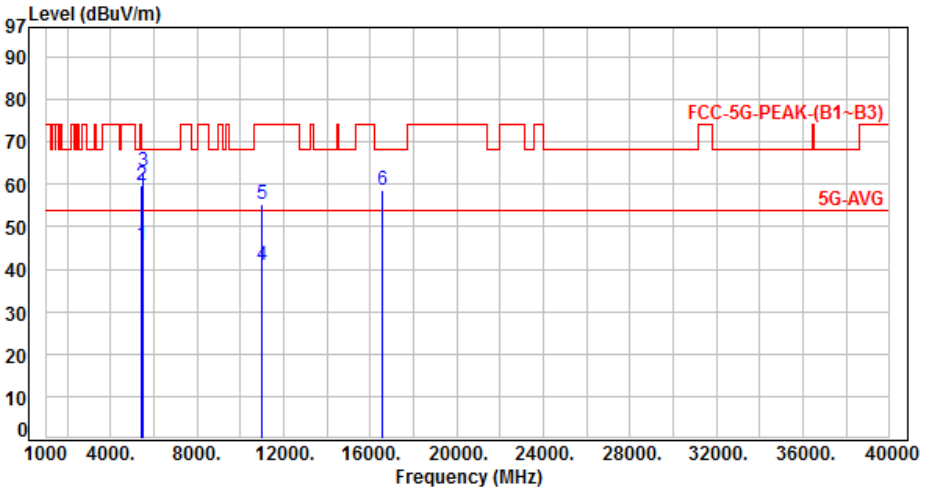
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 3, CH140		:	



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	5.14	61.86	67.00	68.20	-1.20	Peak	194	188	P
2	11400.00	12.94	29.39	42.33	54.00	-11.67	Average	100	211	P
3	11400.00	12.94	43.84	56.78	74.00	-17.22	Peak	100	211	P
4	17100.00	18.03	44.27	62.30	68.20	-5.90	Peak	100	219	P

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

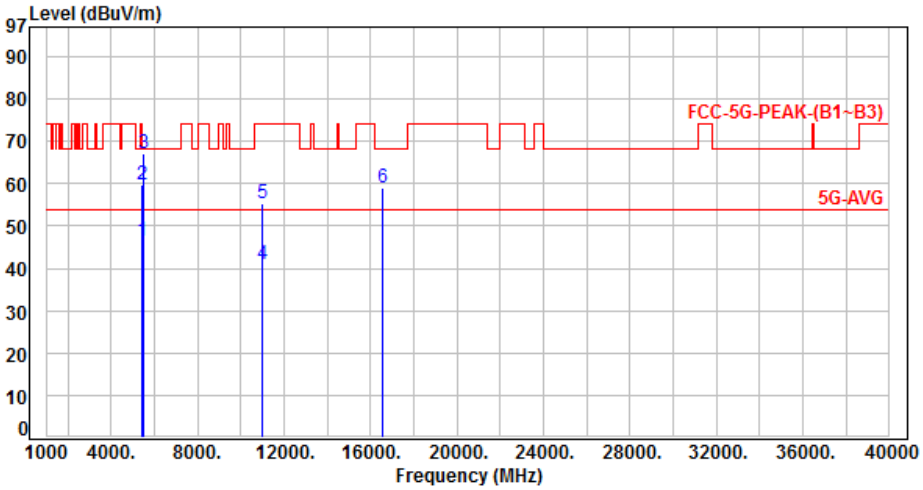
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH102		:	



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	5.20	40.37	45.57	54.00	-8.43	Average	123	157	P
2	5460.00	5.20	54.38	59.58	74.00	-14.42	Peak	123	157	P
3	5470.00	5.20	58.03	63.23	68.20	-4.97	Peak	123	157	P
4	11020.00	12.44	28.58	41.02	54.00	-12.98	Average	100	193	P
5	11020.00	12.44	42.91	55.35	74.00	-18.65	Peak	100	193	P
6	16530.00	14.68	44.06	58.74	68.20	-9.46	Peak	100	179	P

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

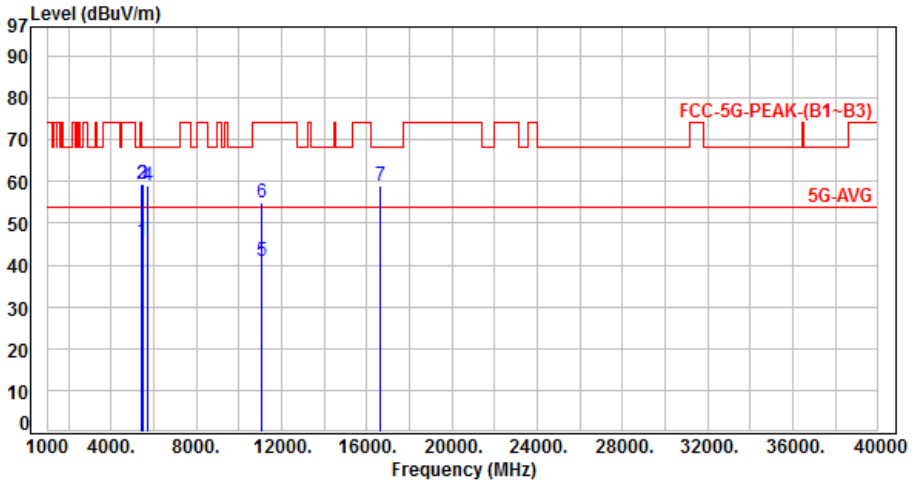
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 3, CH102		:	



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	5.20	41.25	46.45	54.00	-7.55	Average	145	180	P
2	5460.00	5.20	54.67	59.87	74.00	-14.13	Peak	145	180	P
3	5470.00	5.20	61.92	67.12	68.20	-1.08	Peak	145	180	P
4	11020.00	12.44	28.65	41.09	54.00	-12.91	Average	100	223	P
5	11020.00	12.44	43.04	55.48	74.00	-18.52	Peak	100	223	P
6	16530.00	14.68	44.16	58.84	68.20	-9.36	Peak	100	235	P

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

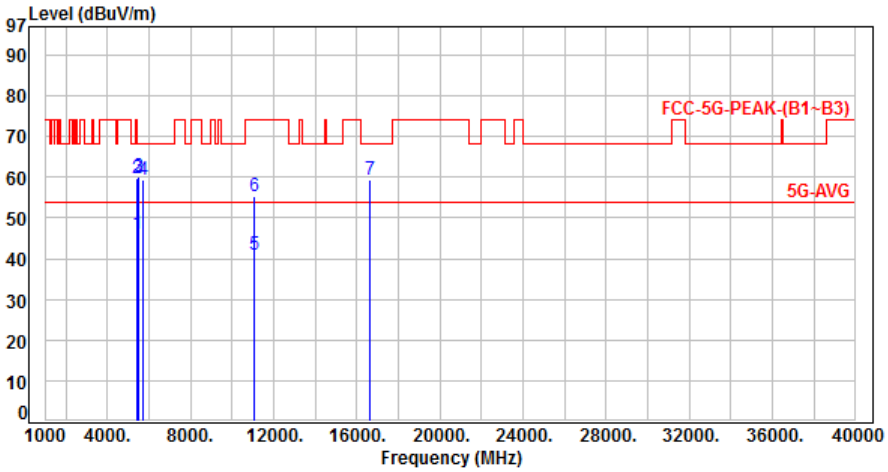
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH110		:	



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	5.20	40.37	45.57	54.00	-8.43	Average	126	152	P
2	5460.00	5.20	54.12	59.32	74.00	-14.68	Peak	126	152	P
3	5470.00	5.20	54.33	59.53	68.20	-8.67	Peak	126	152	P
4	5725.00	5.14	53.98	59.12	68.20	-9.08	Peak	126	152	P
5	11100.00	12.57	28.41	40.98	54.00	-13.02	Average	100	164	P
6	11100.00	12.57	42.54	55.11	74.00	-18.89	Peak	100	164	P
7	16650.00	15.40	43.78	59.18	68.20	-9.02	Peak	100	146	P

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

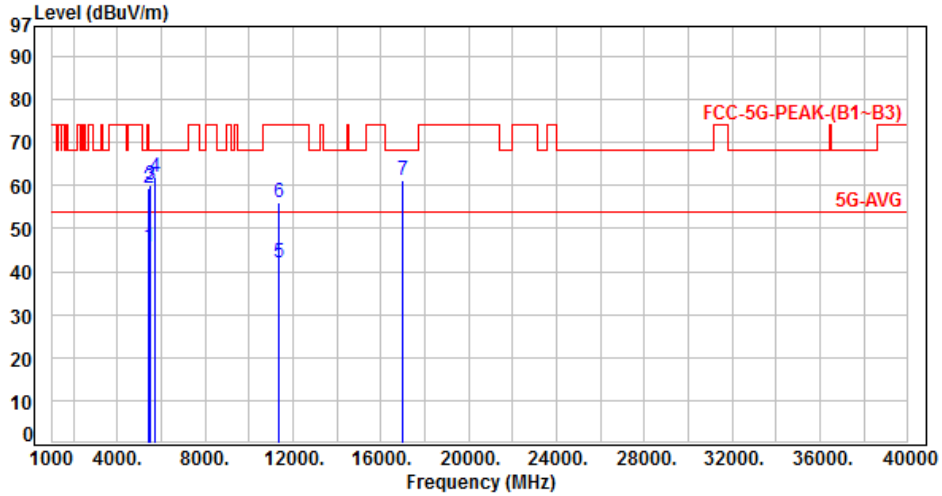
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 3, CH110		:	



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	5.20	41.08	46.28	54.00	-7.72	Average	147	181	P
2	5460.00	5.20	54.61	59.81	74.00	-14.19	Peak	147	181	P
3	5470.00	5.20	55.05	60.25	68.20	-7.95	Peak	147	181	P
4	5725.00	5.14	54.28	59.42	68.20	-8.78	Peak	147	181	P
5	11100.00	12.57	28.49	41.06	54.00	-12.94	Average	100	197	P
6	11100.00	12.57	42.71	55.28	74.00	-18.72	Peak	100	197	P
7	16650.00	15.40	43.82	59.22	68.20	-8.98	Peak	100	203	P

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

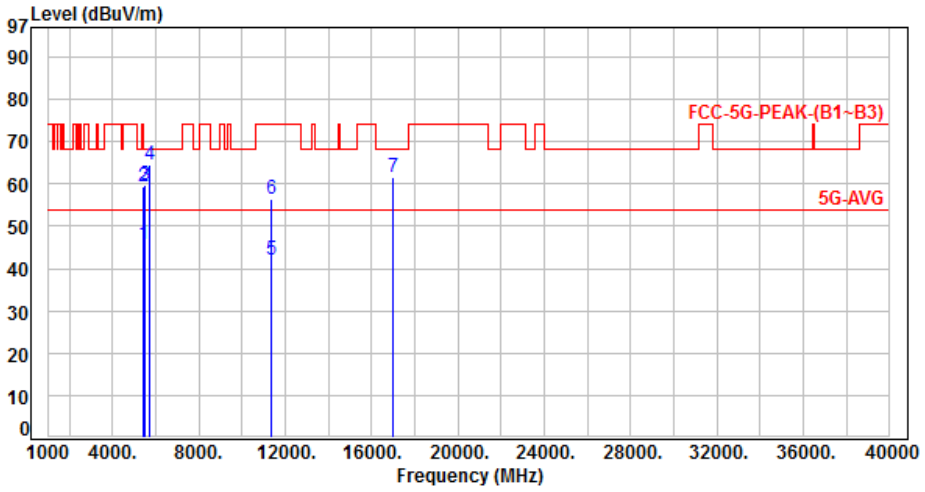
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, Band 3, CH134		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	5.20	40.44	45.64	54.00	-8.36	Average	165	157	P
2	5460.00	5.20	54.14	59.34	74.00	-14.66	Peak	165	157	P
3	5470.00	5.20	54.80	60.00	68.20	-8.20	Peak	165	157	P
4	5725.00	5.14	56.69	61.83	68.20	-6.37	Peak	165	157	P
5	11340.00	12.85	29.18	42.03	54.00	-11.97	Average	100	143	P
6	11340.00	12.85	43.17	56.02	74.00	-17.98	Peak	100	143	P
7	17010.00	17.72	43.62	61.34	68.20	-6.86	Peak	100	166	P

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

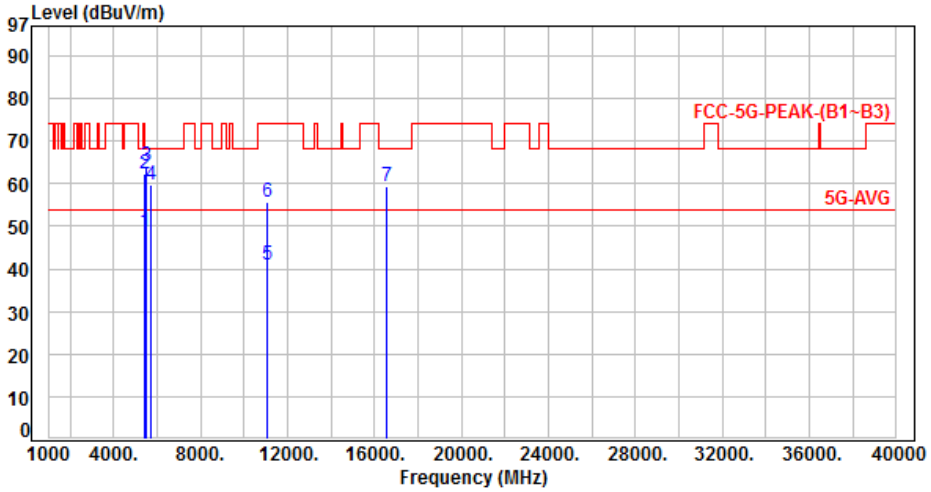
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 3, CH134		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	5.20	40.48	45.68	54.00	-8.32	Average	166	181	P
2	5460.00	5.20	54.11	59.31	74.00	-14.69	Peak	166	181	P
3	5470.00	5.20	54.54	59.74	68.20	-8.46	Peak	166	181	P
4	5725.00	5.14	59.44	64.58	68.20	-3.62	Peak	166	181	P
5	11340.00	12.85	29.24	42.09	54.00	-11.91	Average	100	203	P
6	11340.00	12.85	43.62	56.47	74.00	-17.53	Peak	100	203	P
7	17010.00	17.72	43.88	61.60	68.20	-6.60	Peak	100	208	P

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

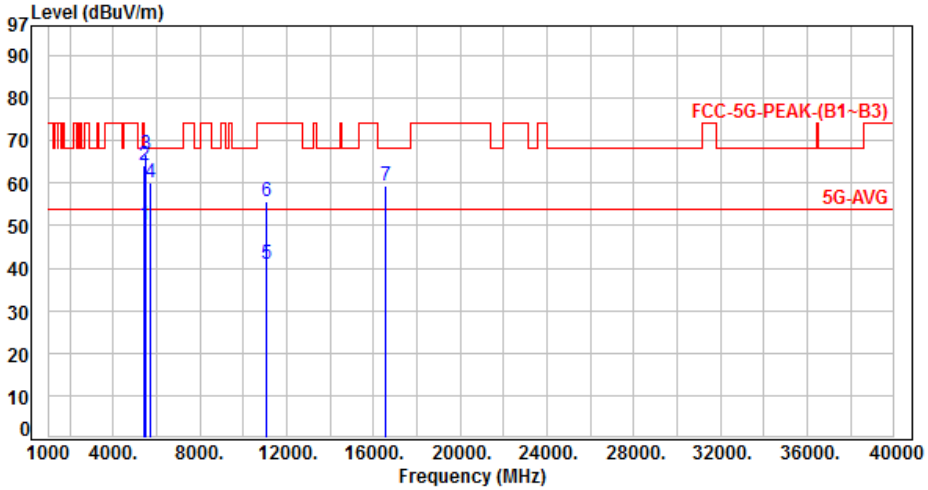
Power :	AC 120V / 60Hz	Pol/Phase :	VERTICAL
Test Mode :	Mode 6, Band 3, CH106	:	



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	5.20	43.41	48.61	54.00	-5.39	Average	177	148	P
2	5460.00	5.20	57.20	62.40	74.00	-11.60	Peak	177	148	P
3	5470.00	5.20	58.81	64.01	68.20	-4.19	Peak	177	148	P
4	5725.00	5.14	54.71	59.85	68.20	-8.35	Peak	177	148	P
5	11060.00	12.51	28.41	40.92	54.00	-13.08	Average	100	179	P
6	11060.00	12.51	43.10	55.61	74.00	-18.39	Peak	100	179	P
7	16590.00	15.16	44.19	59.35	68.20	-8.85	Peak	100	172	P

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

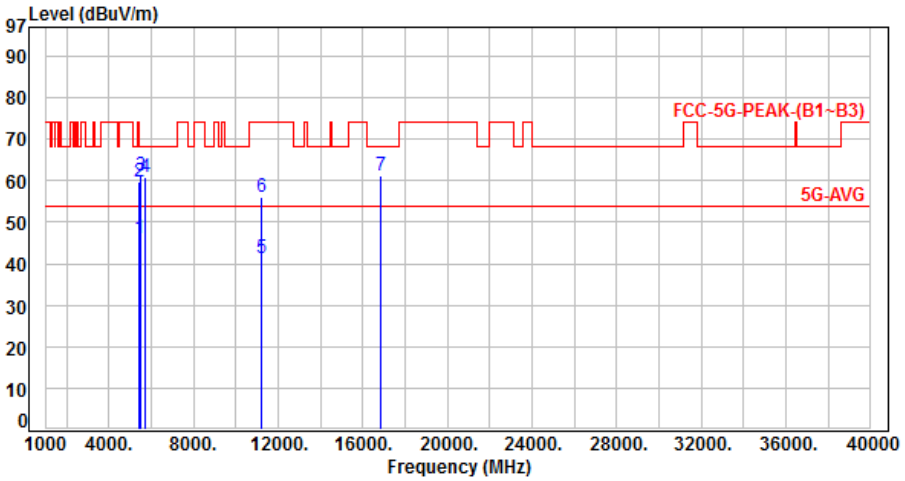
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 3, CH106		:	



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	5.20	44.97	50.17	54.00	-3.83	Average	158	181	P
2	5460.00	5.20	59.14	64.34	74.00	-9.66	Peak	158	181	P
3	5470.00	5.20	61.70	66.90	68.20	-1.30	Peak	158	181	P
4	5725.00	5.14	55.00	60.14	68.20	-8.06	Peak	158	181	P
5	11060.00	12.51	28.57	41.08	54.00	-12.92	Average	100	209	P
6	11060.00	12.51	43.28	55.79	74.00	-18.21	Peak	100	209	P
7	16590.00	15.16	44.38	59.54	68.20	-8.66	Peak	100	225	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	5.20	40.90	46.10	54.00	-7.90	Average	140	154	P
2	5460.00	5.20	54.37	59.57	74.00	-14.43	Peak	140	154	P
3	5470.00	5.20	56.02	61.22	68.20	-6.98	Peak	140	154	P
4	5725.00	5.14	55.70	60.84	68.20	-7.36	Peak	140	154	P
5	11220.00	12.74	28.62	41.36	54.00	-12.64	Average	100	184	P
6	11220.00	12.74	43.33	56.07	74.00	-17.93	Peak	100	184	P
7	16830.00	16.75	44.37	61.12	68.20	-7.08	Peak	100	178	P

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