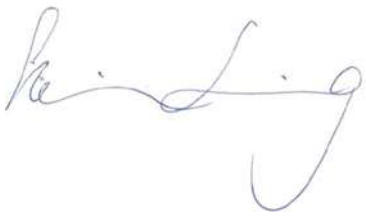
FCC RADIO TEST REPORT

Applicant	:	D-Link Corporation
Address	:	14420 Myford Road Suite 100, Irvine, California 92606, United States
Equipment	:	Nuclias Connect AX3000 Outdoor Access Point
Model No.	:	DAP-X3060OU
Trade Name	:	D-Link
FCC ID	:	KA2APX3060OUA1

I HEREBY CERTIFY THAT :

The sample was received on Mar. 13, 2024 and the testing was completed on Jun. 06, 2024 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:



Kevin Liang / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory

CONTENTS

History of this test report

Report No.	Issued Date	Description
24020130-TRFCC02	May. 30, 2024	Original

1. Summary of Test Procedure and Test Results

1.1. Applicable Standards

ANSI C63.10:2013

FCC Rules and Regulations Part 15 Subpart E §15.407

KDB 789033

FCC Rule	Description of Test	Result
15.203	Antenna Requirement	PASS
15.207(a)	AC Power Line Conducted Emission	PASS
15.407(b) 15.209	Radiated Spurious Emission	PASS
15.407(a)	26 dB & Occupied Bandwidth	PASS
15.407	6 dB Bandwidth	PASS
15.407 (a) & (a)(3)	Average Power	PASS
15.407(a)	Power Spectral Density	PASS
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,measurement uncertainty evaluation is not considered.

2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Operation Frequency Range	802.11b/g/n/(Turbo QAM)/ax: 2400-2483.5MHz 802.11a/n/ac/ax: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
Center Frequency Range	802.11b/g/n/(Turbo QAM)/ax: 2412MHz~2462MHz 802.11a/n/ac/ax: 5180-5240MHz, 5260-5320MHz, 5500-5720MHz, 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, OFDMA
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, VHT20/40/80/160 802.11ax: MCS0 – MCS11,HE20/40/80/160
Antenna Type	Embedded Antenna
Antenna Gain	2400-2500MHz: ANT C: 5.0dBi, ANT D: 3.4dBi 5150-5250MHz: ANT A: 5.4dBi, ANT B: 5.5dBi 5250-5350MHz: ANT A: 5.1dBi, ANT B: 5.8dBi 5470-5725MHz: ANT A: 4.6dBi, ANT B: 7.3dBi 5725-5850MHz: ANT A: 4.5dBi, ANT B: 7.9dBi

Note:
1. EUT support TPC Function.
2. WLAN 2.4G and WLAN 5G can simultaneously transmission.
3. EUT support Master Mode.
4. WLAN 2.4G TurboQAM & 5GHz 11ac support beamforming Function.
5. WLAN 2.4 GHz / 5GHz 11ax support beamforming Function.
6. For more details, please refer to the User's manual of the EUT.

2.2. Carrier Frequency of Channels

Band: 5150MHz-5250MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80 , 802.11ax HE80

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

Band: 5250MHz-5350MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

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

Band: 5150MHz -5350MHz: Straddle Channel

802.11ac VHT160,802.11ax VHT160

Channel	Frequency(MHz)
***50**	**5250**

Band: 5470MHz-5725MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

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

Band 3: Straddle Channel

802.11a, 802.11n HT 20, 802.11ac VHT20, 802.11ax HE20

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

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

802.11ac VHT160,802.11ax VHT160

Channel	Frequency(MHz)
***114**	**5570**

Band: 5725MHz-5850MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

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

Note: Channels remarked * are selected to perform test.

2.3. Test Mode and Test Software

a. During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
b. The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
c. An executive program, " QSPR Ver. 5.0-00200" 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) , Non BeamForming
2	802.11ax HE20 (7.3Mbps) , Non BeamForming
3	802.11ax HE40 (14.6Mbps) , Non BeamForming
4	802.11ax HE80 (30.6Mbps) , Non BeamForming
5	802.11ax HE160 (61.3Mbps) , Non BeamForming
caused "Test Mode 2" 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) , Non BeamForming
2	802.11ax HE20 (7.3Mbps) , Non BeamForming
3	802.11ax HE40 (14.6Mbps) , Non BeamForming
4	802.11ax HE80 (30.6Mbps) , Non BeamForming
5	802.11ax HE160 (61.3Mbps) , Non BeamForming
caused "Test Mode 2" generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) , Non BeamForming
2	802.11ax HE20 (7.3Mbps) , Non BeamForming
3	802.11ax HE40 (14.6Mbps) , Non BeamForming
4	802.11ax HE80 (30.6Mbps) , Non BeamForming
5	802.11ax HE160 (61.3Mbps) , Non BeamForming
caused "Test Mode 1~5" generated the worst case, they were reported as the final data.	

Note: There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.
AC Power Line Conducted Emission is AC 240V / 60Hz worst case.
Radiation Emissions (BELOW 1GHz) is AC 240V / 60Hz worst case.

The EUT incorporates a MIMO function

Modulation Type	TX CONFIGURATION
802.11a	2TX
802.11n HT20	2TX
802.11n HT40	2TX
802.11ac VHT20	2TX
802.11ac VHT40	2TX
802.11ac VHT80	2TX
802.11ac VHT160	2TX
802.11ax HE20	2TX
802.11ax HE40	2TX
802.11ax HE80	2TX
802.11ax HE160	2TX

2.4. Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S2292L	N/A	Adapter / 1.8m / NS
POE	Bluewave	JS-100GT	N/A	N/A
RJ45 Cable*2	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S2292L	N/A	Adapter / 1.8m / NS
POE	Bluewave	JS-100GT	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S2292L	N/A	Adapter / 1.8m / NS
POE	Bluewave	JS-100GT	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A

2.5. General Information of Test

☒ Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel: +886-3-3226-888 Fax: +886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
Frequency Range Investigated	Conducted: from 150kHz to 30 MHz Radiation: from 9kHz to 40,000MHz	
Test Distance	The test distance of radiated emission from antenna to EUT is 3 M.	

Non-Beamforming

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2024/04/27	24.7℃ / 54%	Leon Huang
RF Conducted	RFCON01-NK	2024/05/02	23.8℃ / 47%	Leon Huang
RF Conducted	RFCON01-NK	2024/06/05	25.1℃ / 54%	Leon Huang
RF Conducted	RFCON02-NK	2024/05/23	25.8℃ / 54%	Leon Huang
Radiated Emissions	3M03-NK	2024/4/19~2024/4/20	23~24℃ / 59~61%	Park Chen
Radiated Emissions	3M03-NK	2024/04/22	24℃ / 60%	Park Chen
AC Power Line Conducted Emission	CON02-NK	2024/04/22	23.5℃ / 58%	Park Chen

Beamforming

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2024/04/27	24.7℃ / 54%	Leon Huang
RF Conducted	RFCON01-NK	2024/05/02	23.8℃ / 47%	Leon Huang
RF Conducted	RFCON01-NK	2024/06/05	25.1°C / 54%	Leon Huang
RF Conducted	RFCON01-NK	2024/06/06	24.7°C / 51%	Leon Huang

2.6. Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.12dB
Radiated Spurious Emission(9KHz~30MHz)	±3.5dB
Radiated Spurious Emission(30MHz~1GHz)	±5.1dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
6dB Bandwidth	±5.4%
26dB Bandwidth	±4.4%
Occupied Bandwidth	±4.5%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%
Frequency Stability	±0.23KHz

3. Test Equipment and Ancillaries Used for Tests

Non-Beamforming

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M03-NK)				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
Bilog Antenna	Sunol	JB1	A020514-2	2023/06/26	2024/06/25
Active Loop Antenna	Schwarzbeck	FMZB 1513	414	2024/01/16	2025/01/15
Horn Anrenna	EMCO	3116	31974	2023/10/16	2024/10/15
Double Ridged Guide Horn Antenna	RF SPAN	DRH18-E	210309A18-ES	2023/08/17	2024/08/16
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2023/08/15	2024/08/14
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2023/07/05	2024/07/04
Preamplifier	EM Electronics corp.	EMC118A45V1SEE	980993	2023/10/16	2024/10/15
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2023/10/13	2024/10/12
Preamplifier	EM Electronics corp.	EM330	60820	2023/06/08	2024/06/07
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2024/03/13	2025/03/12
Cable-8m(10M-26.5G)	HUBER SUHNER	SF126E	587396/126E	2023/10/12	2024/10/11
Cable-3m(10M-26.5G)	HUBER SUHNER	SF126E	587399/126E	2023/10/12	2024/10/11
Cable-3m(10M-40G)	HUBER SUHNER	SF102	804619/2	2023/10/12	2024/10/11
Cable-1m(10M-40G)	HUBER SUHNER	SF102	804398/2	2023/10/12	2024/10/11
Cable-1m(1G-26.5G)	HUBER SUHNER	SF126E	589848/126E	2023/10/12	2024/10/11
Cable-4m(30M-1G)	HUBER SUHNER	RG-214	02953M	2023/9/20	2024/09/19
Cable-1m(30M-1G)	HUBER SUHNER	RG-214	05094M	2023/9/4	2024/09/03
Cable-9m(30M-1G)	HUBER SUHNER	RG-214	00402M	2023/9/4	2024/09/03
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
Highpass Filter	WOKEN	WFIL-H7000-18000F-01	WR468FWC2B1	2023/08/18	2024/08/17

Non-Beamforming

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100047	2024/03/01	2025/02/28
Attenuator	KEYSIGHT	8491B	MY39250703	2024/02/20	2025/02/19
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2023/10/12	2024/10/11
Power Meter	Anritsu	ML2495A	1224005	2024/02/17	2025/02/16
Power Sensor	Anritsu	MA2411B	1207295	2024/02/17	2025/02/16
Switch Box	Theda	1-4	TW5451159	NA	NA

Beamforming

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2023/11/06	2024/11/05
Power Meter	Anritsu	ML2495A	1224005	2024/02/17	2025/02/16
Power Sensor	Anritsu	MA2411B	1207295	2024/02/17	2025/02/16
Attenuator	KEYSIGHT	8491B	MY39250703	2024/02/20	2025/02/19

Non-Beamforming

Test Item	AC Power Line Conducted Emission				
Test Site	CON02-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2023/07/05	2024/07/04
TWO-LINE V-NETWORK	ROHDE & SCHWARZ	ENV216	102185	2023/08/29	2024/08/28
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2024/03/13	2025/03/12
E3	AUDIX	v8.2014-8-6	RK-000536	NA	NA

4. Antenna Requirements

4.1. Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.2. Antenna Construction and Directional Gain

Antenna Type	Embedded Antenna
Antenna Gain	5150-5250MHz: ANT A: 5.4dBi, ANT B: 5.5dBi 5250-5350MHz: ANT A: 5.1dBi, ANT B: 5.8dBi 5470-5725MHz: ANT A: 4.6dBi, ANT B: 7.3dBi 5725-5850MHz: ANT A: 4.5dBi, ANT B: 7.9dBi

(Non-Beamforming)

5150MHz -5250MHz
For Power directional gain= G_{ant}= 5.50 dBi For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 8.46 dBi
5250MHz -5350MHz
For Power directional gain= G_{ant}= 5.80 dBi For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 8.47 dBi
5470MHz -5725MHz
For Power directional gain= G_{ant}= 7.30dBi For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 9.06 dBi
5725MHz -5850MHz
For Power directional gain= G_{ant}= 7.90dBi For PSD directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] = 9.38 dBi

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

(Beamforming)

5150MHz -5250MHz
For Power directional gain=8.46 dBi For PSD directional gain =8.46 dBi
5250MHz -5350MHz
For Power directional gain= 8.47 dBi For PSD directional gain = 8.47 dBi
5470MHz -5725MHz
For Power directional gain=9.06 dBi For PSD directional gain = 9.06 dBi
5725MHz -5850MHz
For Power directional gain=9.38 dBi For PSD directional gain = 9.38 dBi

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

5. Test of AC Power Line Conducted Emission

5.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.10-2013. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

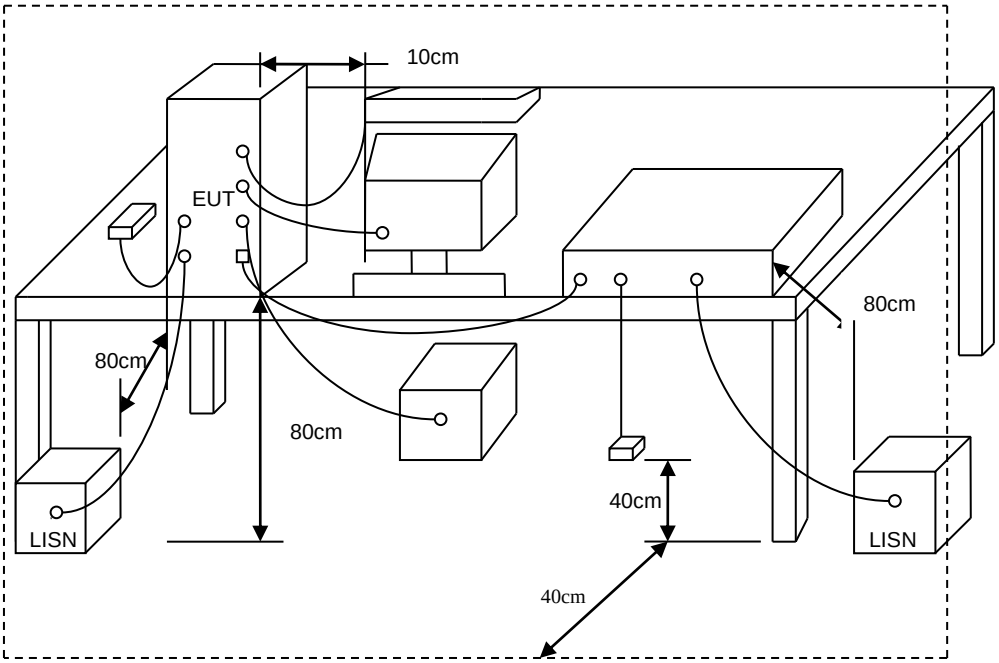
Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

5.2. Test Procedures

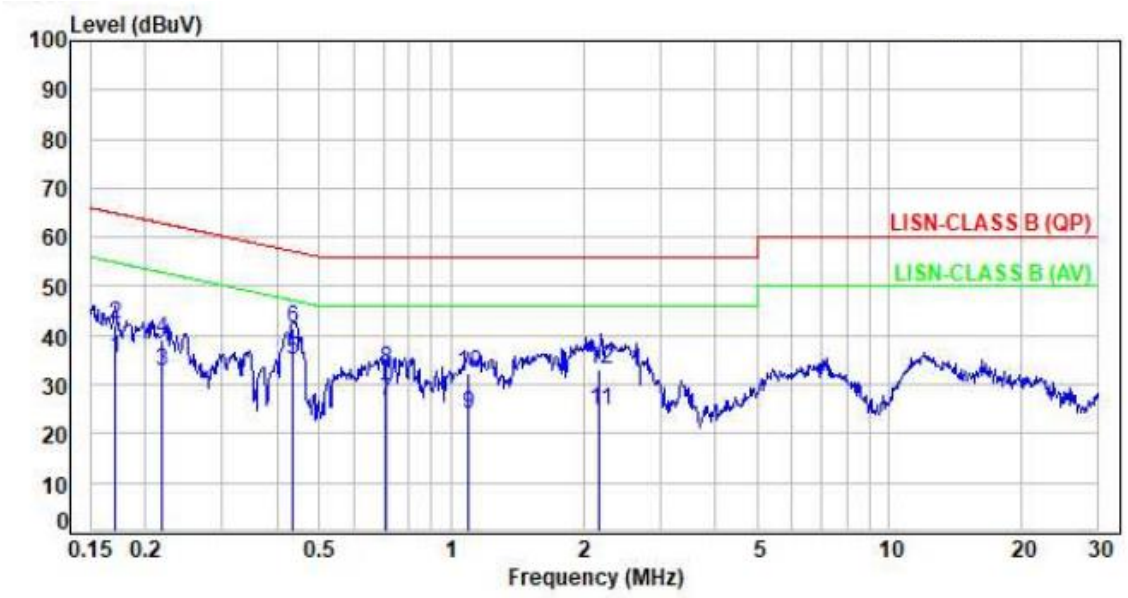
a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
c. All the support units are connecting to the other LISN.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

5.3. Typical Test Setup



5.4. Test Result and Data

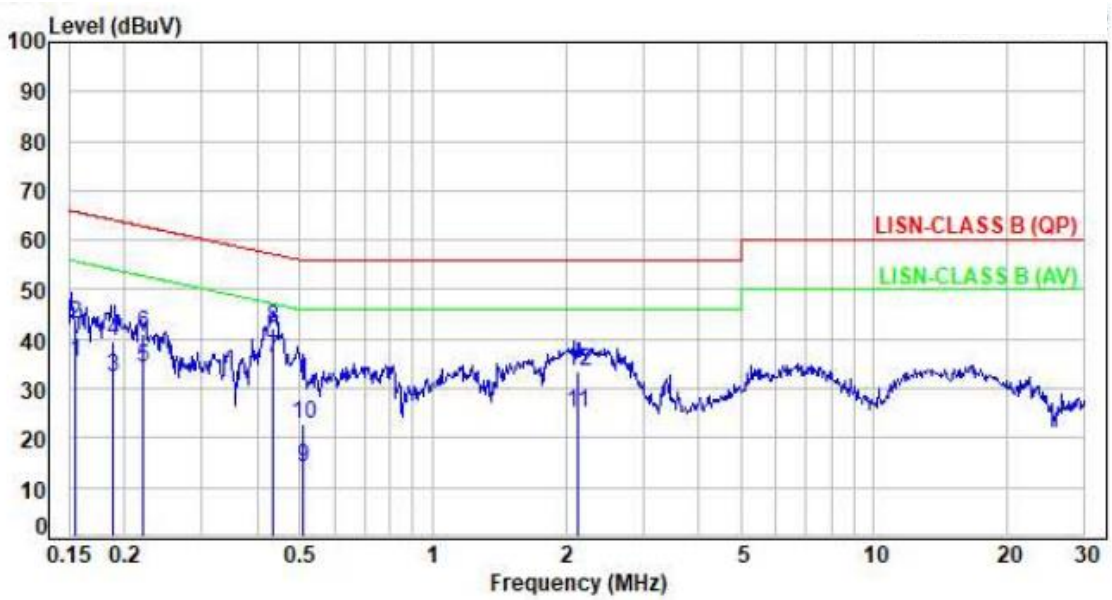
Power	:	AC 240V / 60Hz	Pol/Phase	:	LINE
Test Mode	:	Mode 2, CH48		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1716	9.64	25.65	35.29	54.88	-19.59	Average	P
2	0.1716	9.64	32.73	42.37	64.88	-22.51	QP	P
3	0.2177	9.63	23.16	32.79	52.91	-20.12	Average	P
4	0.2177	9.63	29.70	39.33	62.91	-23.58	QP	P
5	0.4338	9.65	25.43	35.08	47.18	-12.10	Average	P
6	0.4338	9.65	31.72	41.37	57.18	-15.81	QP	P
7	0.7101	9.64	16.93	26.57	46.00	-19.43	Average	P
8	0.7101	9.64	23.40	33.04	56.00	-22.96	QP	P
9	1.0930	9.65	14.45	24.10	46.00	-21.90	Average	P
10	1.0930	9.65	22.67	32.32	56.00	-23.68	QP	P
11	2.1835	9.71	15.12	24.83	46.00	-21.17	Average	P
12	2.1835	9.71	23.29	33.00	56.00	-23.00	QP	P

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

Power	:	AC 240V / 60Hz	Pol/Phase	:	NEUTRAL
Test Mode	:	Mode 2, CH48		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1546	9.55	25.74	35.29	55.75	-20.46	Average	P
2	0.1546	9.55	33.53	43.08	65.75	-22.67	QP	P
3	0.1882	9.57	22.75	32.32	54.11	-21.79	Average	P
4	0.1882	9.57	30.01	39.58	64.11	-24.53	QP	P
5	0.2211	9.58	24.76	34.34	52.78	-18.44	Average	P
6	0.2211	9.58	31.46	41.04	62.78	-21.74	QP	P
7	0.4339	9.56	26.42	35.98	47.18	-11.20	Average	P
8	0.4339	9.56	32.46	42.02	57.18	-15.16	QP	P
9	0.5076	9.57	4.42	13.99	46.00	-32.01	Average	P
10	0.5076	9.57	13.35	22.92	56.00	-33.08	QP	P
11	2.1297	9.63	15.65	25.28	46.00	-20.72	Average	P
12	2.1297	9.63	24.00	33.63	56.00	-22.37	QP	P

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

6. Test of Spurious Emission (Radiated)

6.1. Test Limit

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

(7) The provisions of §15.205 apply to intentional radiators operating under this section.

(8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

6.2. Test Procedures

a. The EUT was placed on a rotatable table top 0.8 meter above ground.
b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
c. The table was rotated 360 degrees to determine the position of the highest radiation.
d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
i. “Cone of radiation” has been considered to be 3dB bandwidth of the measurement antenna.

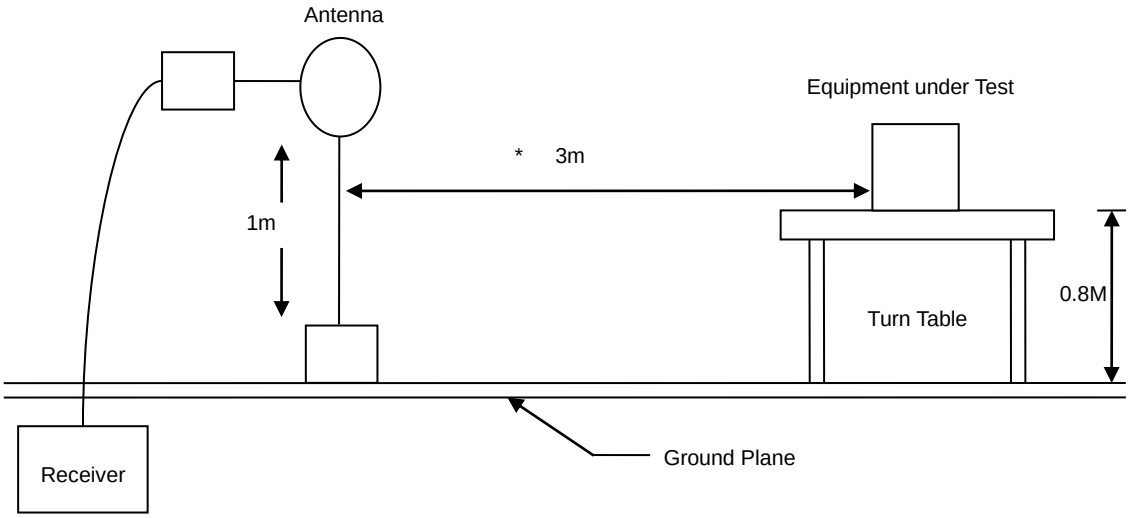
Note:

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

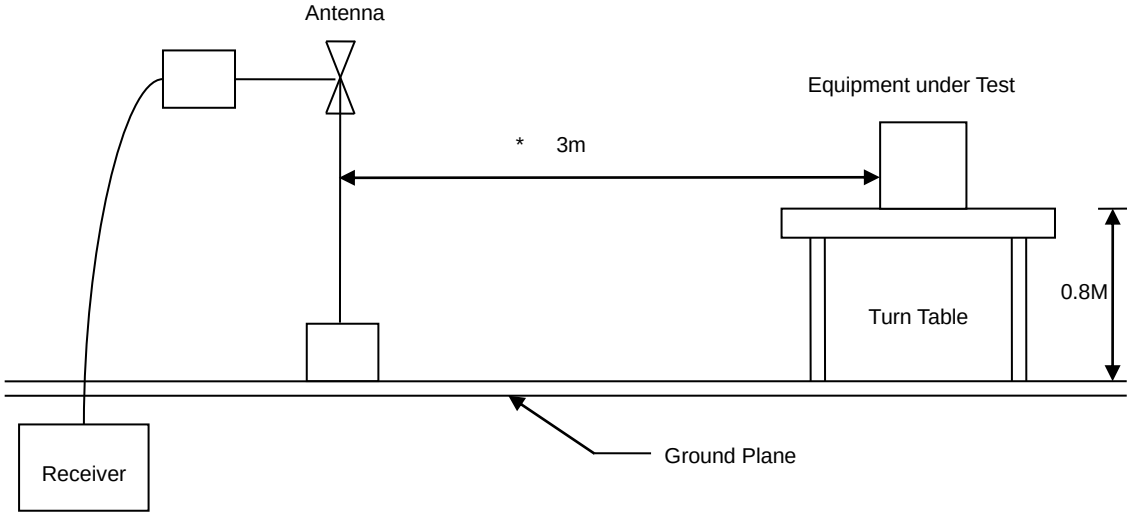
2.Due to the test software function limit the operation band setting(200dBuV/m). There's no corresponding limitation in the actual test item.

6.3. Typical Test Setup

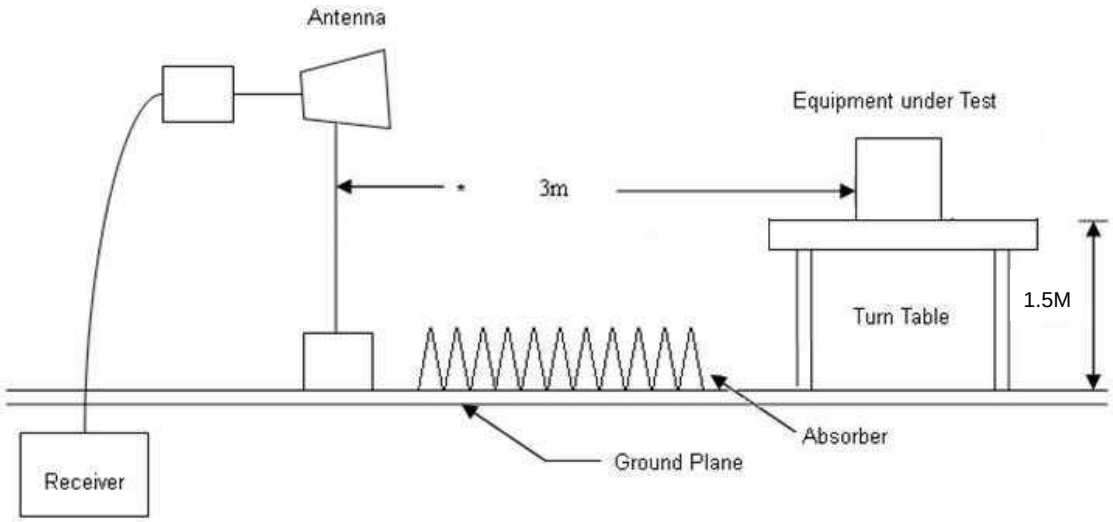
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup

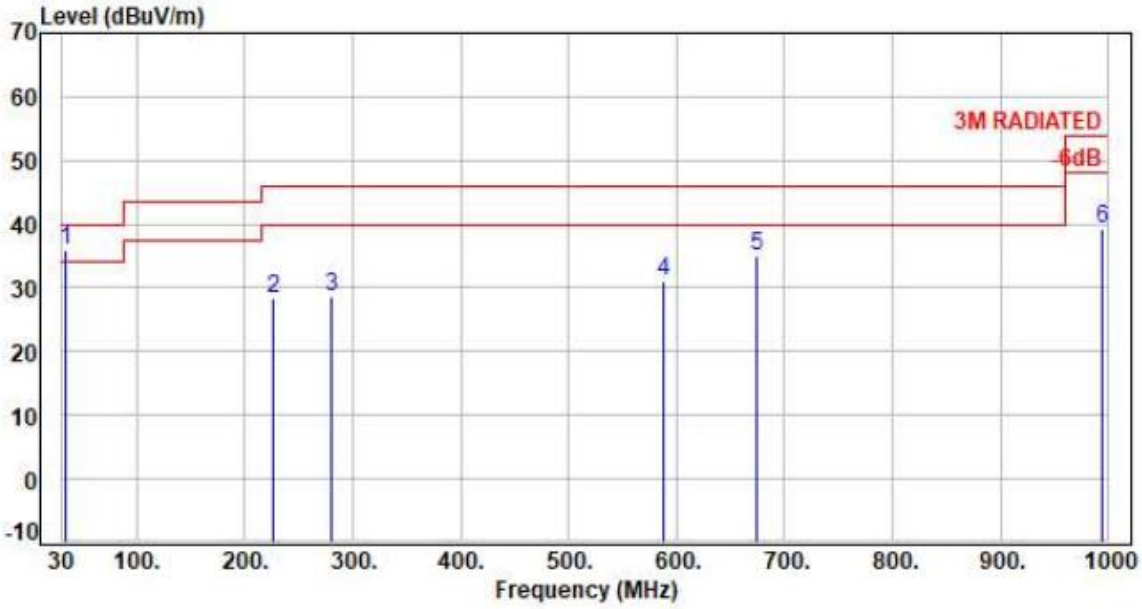


6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

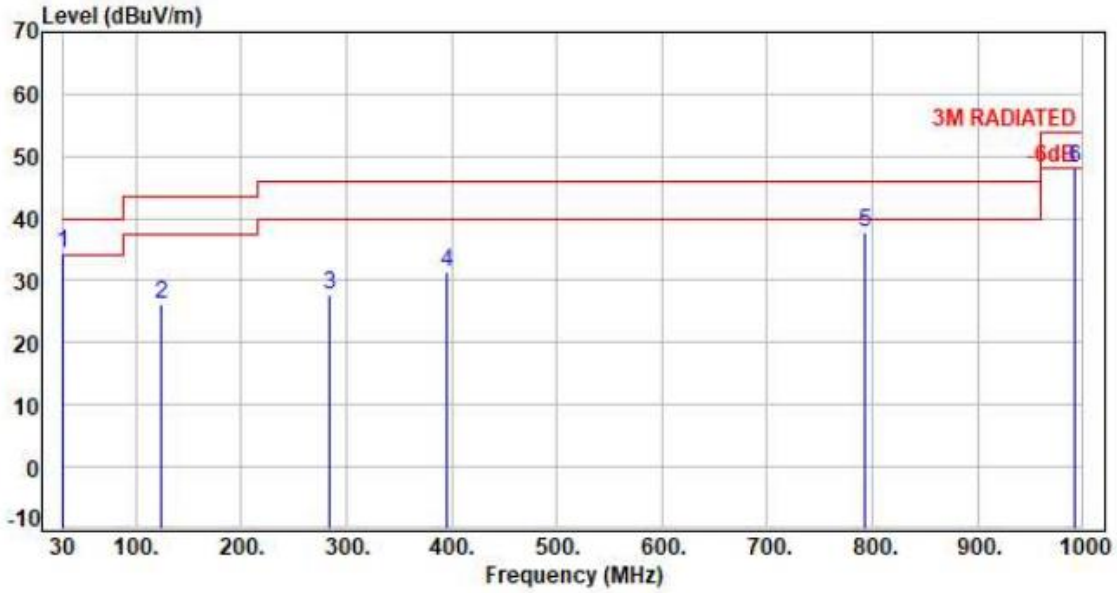
Power	:	AC 240V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, CH48		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	33.88	-6.36	42.16	35.80	40.00	-4.20	Peak	400	0	P
2	225.94	-13.15	41.42	28.27	46.00	-17.73	Peak	400	0	P
3	280.26	-10.33	38.88	28.55	46.00	-17.45	Peak	400	0	P
4	588.72	-3.82	34.76	30.94	46.00	-15.06	Peak	400	0	P
5	674.08	-2.00	37.07	35.07	46.00	-10.93	Peak	400	0	P
6	994.18	2.22	37.14	39.36	54.00	-14.64	Peak	400	0	P

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

Power	:	AC 240V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, CH48		:	

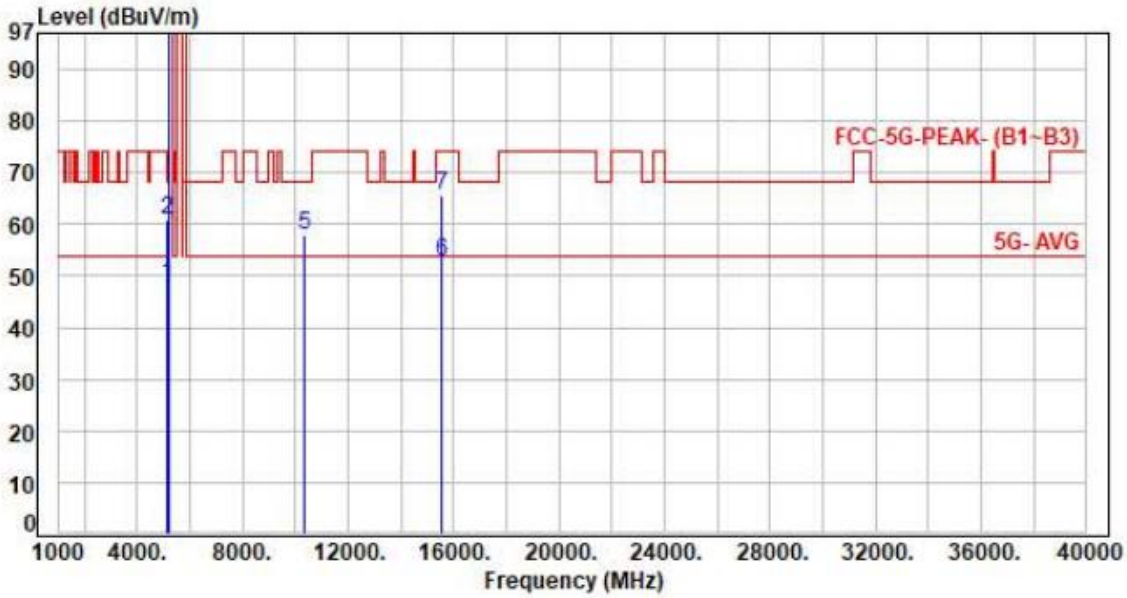


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-3.69	38.18	34.49	40.00	-5.51	Peak	400	0	P
2	123.12	-10.70	36.76	26.06	43.50	-17.44	Peak	400	0	P
3	284.14	-10.31	37.97	27.66	46.00	-18.34	Peak	400	0	P
4	394.72	-7.68	39.20	31.52	46.00	-14.48	Peak	400	0	P
5	792.42	-0.17	37.85	37.68	46.00	-8.32	Peak	400	0	P
6	992.24	2.22	45.81	48.03	54.00	-5.97	Peak	400	0	P

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

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

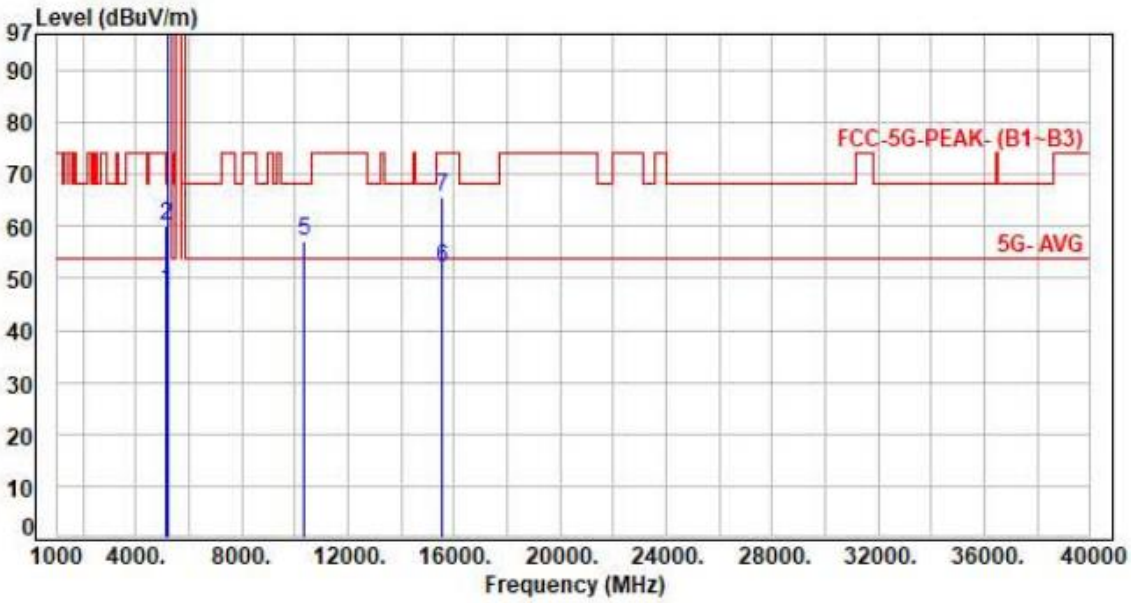
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH36		:	



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	-0.24	48.68	48.44	54.00	-5.56	Average	164	158	P
2	5150.00	-0.24	60.91	60.67	74.00	-13.33	Peak	164	158	P
3	5180.00	-0.25	105.15	104.90	200.00	-95.10	Average	164	158	P
4	5180.00	-0.25	115.50	115.25	200.00	-84.75	Peak	164	158	P
5	10360.00	3.41	54.56	57.97	68.20	-10.23	Peak	100	345	P
6	15540.00	5.35	47.34	52.69	54.00	-1.31	Average	100	194	P
7	15540.00	5.35	60.13	65.48	74.00	-8.52	Peak	100	194	P

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

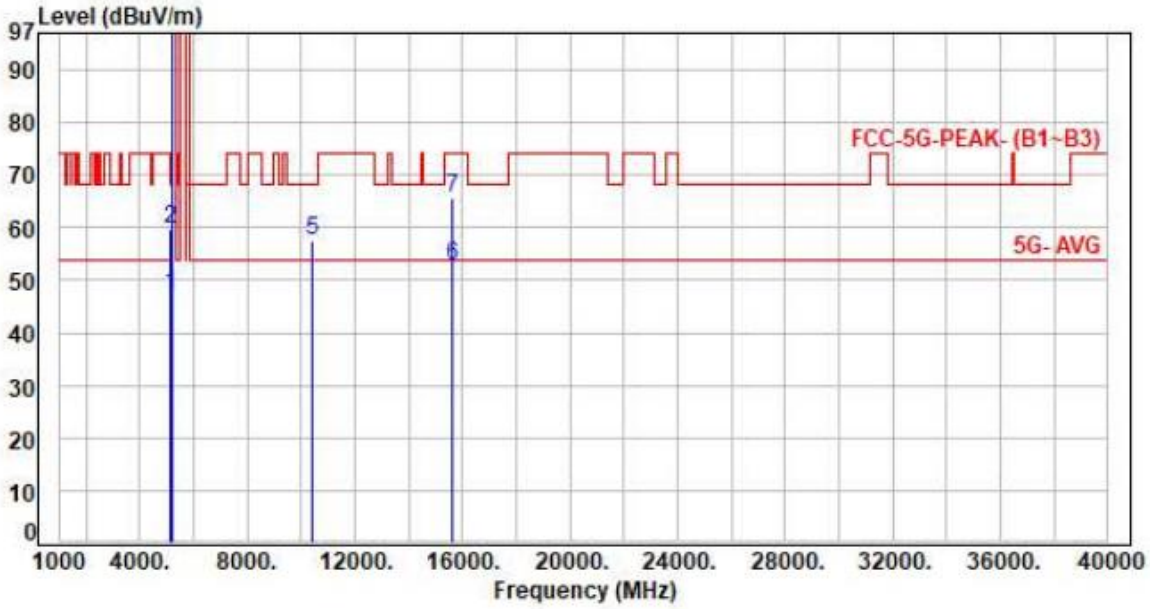
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH36		:	



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	-0.24	47.81	47.57	54.00	-6.43	Average	181	305	P
2	5150.00	-0.24	60.44	60.20	74.00	-13.80	Peak	181	305	P
3	5180.00	-0.25	102.74	102.49	200.00	-97.51	Average	181	305	P
4	5180.00	-0.25	112.31	112.06	200.00	-87.94	Peak	181	305	P
5	10360.00	3.41	53.71	57.12	68.20	-11.08	Peak	100	224	P
6	15540.00	5.35	46.57	51.92	54.00	-2.08	Average	100	341	P
7	15540.00	5.35	60.40	65.75	74.00	-8.25	Peak	100	341	P

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

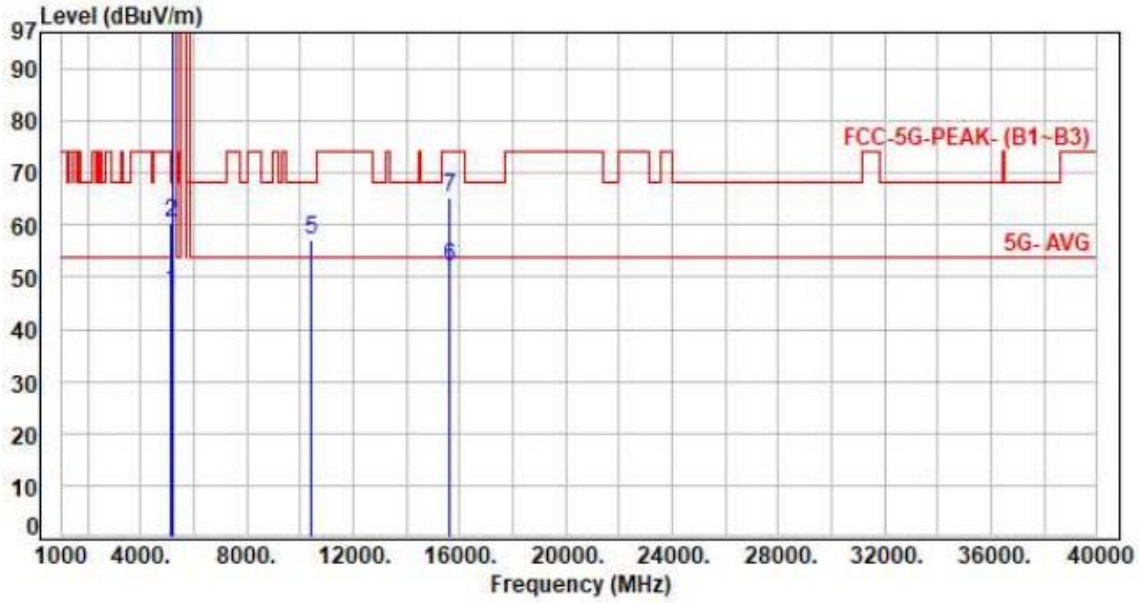
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH40		:	



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	-0.24	47.35	47.11	54.00	-6.89	Average	163	160	P
2	5150.00	-0.24	59.96	59.72	74.00	-14.28	Peak	163	160	P
3	5200.00	-0.25	105.03	104.78	200.00	-95.22	Average	163	160	P
4	5200.00	-0.25	115.69	115.44	200.00	-84.56	Peak	163	160	P
5	10400.00	3.40	54.18	57.58	68.20	-10.62	Peak	100	344	P
6	15600.00	5.38	47.40	52.78	54.00	-1.22	Average	100	194	P
7	15600.00	5.38	60.31	65.69	74.00	-8.31	Peak	100	194	P

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

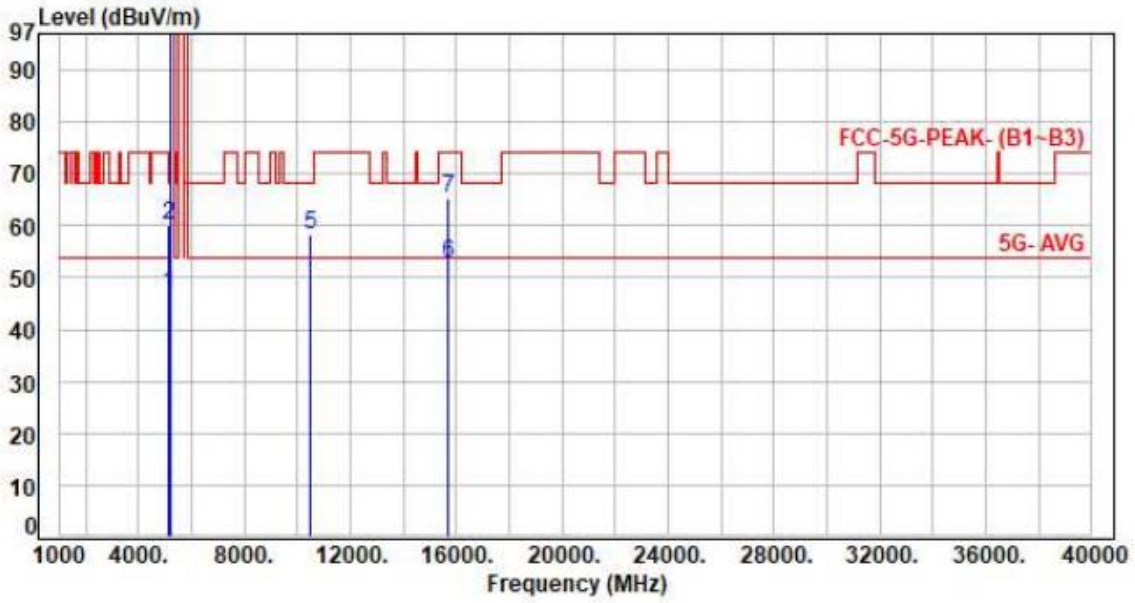
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH40		:	



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	-0.24	47.27	47.03	54.00	-6.97	Average	173	290	P
2	5150.00	-0.24	60.85	60.61	74.00	-13.39	Peak	173	290	P
3	5200.00	-0.25	103.61	103.36	200.00	-96.64	Average	173	290	P
4	5200.00	-0.25	112.96	112.71	200.00	-87.29	Peak	173	290	P
5	10400.00	3.40	53.91	57.31	68.20	-10.89	Peak	100	222	P
6	15600.00	5.38	46.58	51.96	54.00	-2.04	Average	100	344	P
7	15600.00	5.38	59.77	65.15	74.00	-8.85	Peak	100	344	P

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

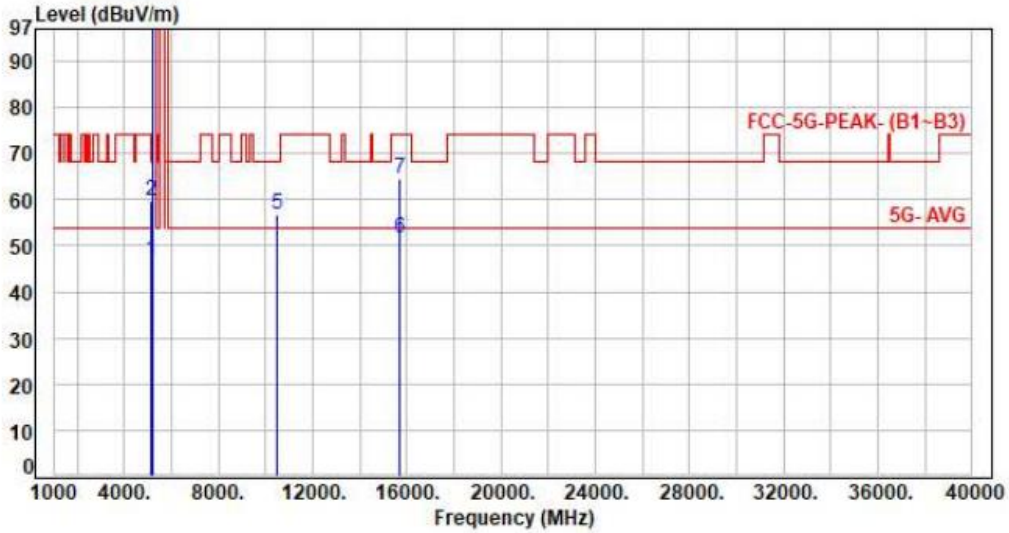
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH48		:	



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	-0.24	47.01	46.77	54.00	-7.23	Average	174	161	P
2	5150.00	-0.24	60.38	60.14	74.00	-13.86	Peak	174	161	P
3	5240.00	-0.34	107.41	107.07	200.00	-92.93	Average	174	161	P
4	5240.00	-0.34	117.99	117.65	200.00	-82.35	Peak	174	161	P
5	10480.00	3.25	55.08	58.33	68.20	-9.87	Peak	100	338	P
6	15720.00	5.32	47.30	52.62	54.00	-1.38	Average	100	243	P
7	15720.00	5.32	59.81	65.13	74.00	-8.87	Peak	100	243	P

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

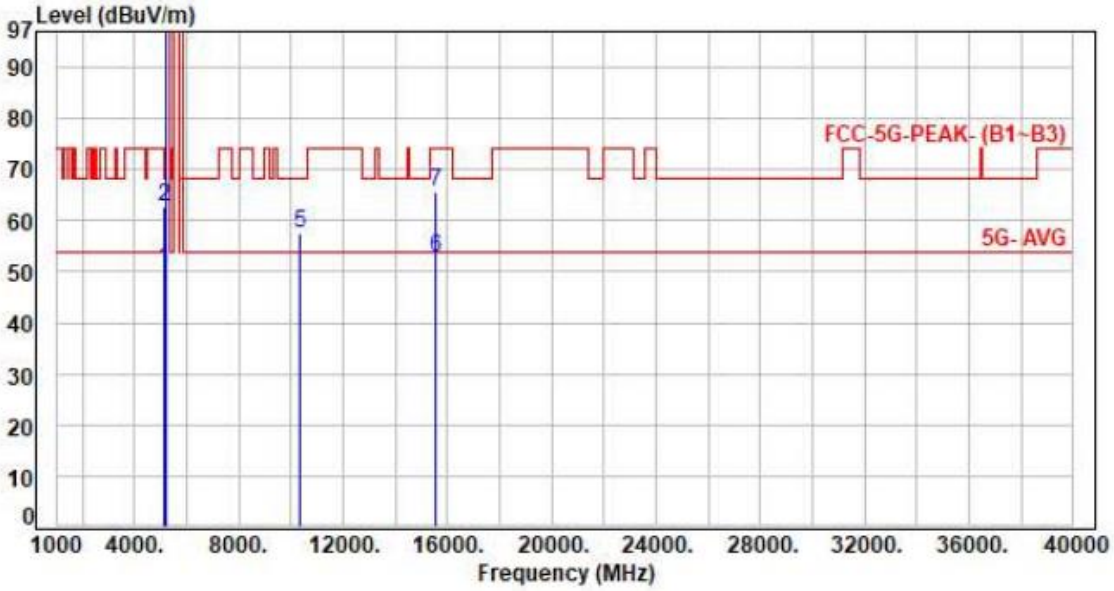
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH48		:	



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	-0.24	47.13	46.89	54.00	-7.11	Average	157	288	P
2	5150.00	-0.24	60.12	59.88	74.00	-14.12	Peak	157	288	P
3	5240.00	-0.34	105.84	105.50	200.00	-94.50	Average	157	288	P
4	5240.00	-0.34	115.19	114.85	200.00	-85.15	Peak	157	288	P
5	10480.00	3.25	53.68	56.93	68.20	-11.27	Peak	100	243	P
6	15720.00	5.32	46.36	51.68	54.00	-2.32	Average	100	338	P
7	15720.00	5.32	59.27	64.59	74.00	-9.41	Peak	100	338	P

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

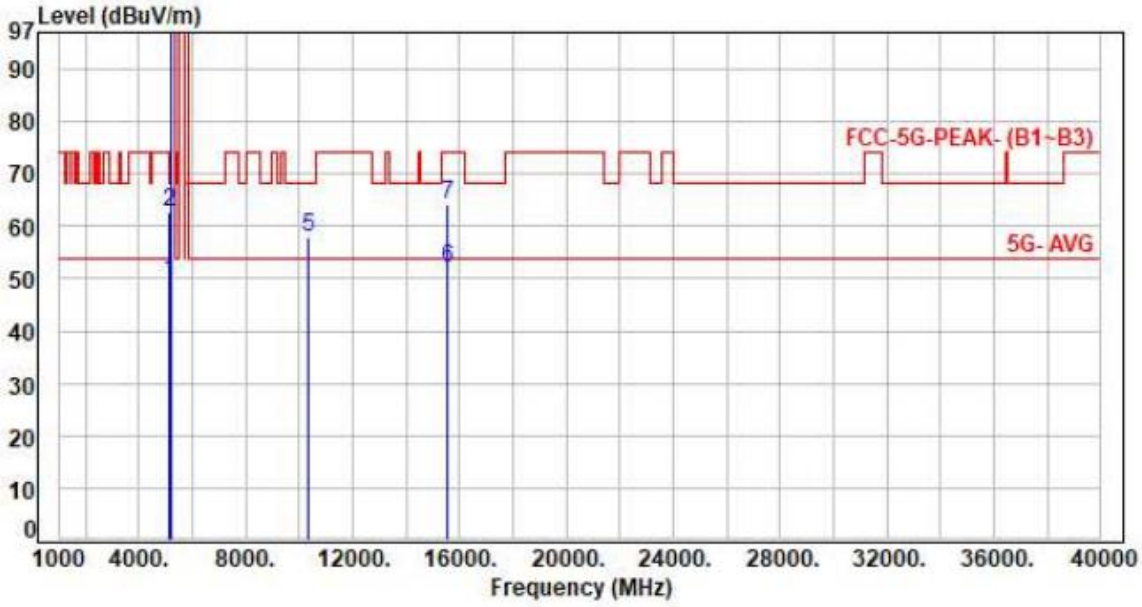
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 1, CH36		:	



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	-0.24	50.61	50.37	54.00	-3.63	Average	165	158	P
2	5150.00	-0.24	63.11	62.87	74.00	-11.13	Peak	165	158	P
3	5180.00	-0.25	106.08	105.83	200.00	-94.17	Average	165	158	P
4	5180.00	-0.25	119.43	119.18	200.00	-80.82	Peak	165	158	P
5	10360.00	3.41	54.10	57.51	68.20	-10.69	Peak	100	347	P
6	15540.00	5.35	47.24	52.59	54.00	-1.41	Average	100	194	P
7	15540.00	5.35	60.47	65.82	74.00	-8.18	Peak	100	194	P

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

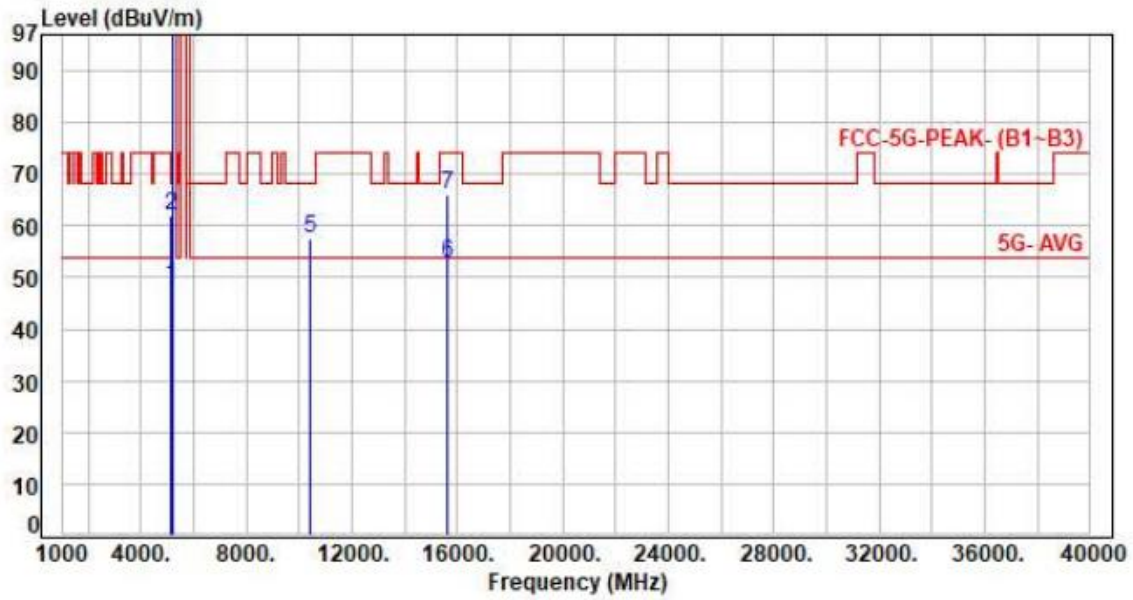
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 1, CH36		:	



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	-0.24	49.57	49.33	54.00	-4.67	Average	180	302	P
2	5150.00	-0.24	62.90	62.66	74.00	-11.34	Peak	180	302	P
3	5180.00	-0.25	103.99	103.74	200.00	-96.26	Average	180	302	P
4	5180.00	-0.25	117.31	117.06	200.00	-82.94	Peak	180	302	P
5	10360.00	3.41	54.55	57.96	68.20	-10.24	Peak	100	228	P
6	15540.00	5.35	46.71	52.06	54.00	-1.94	Average	100	340	P
7	15540.00	5.35	58.94	64.29	74.00	-9.71	Peak	100	340	P

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

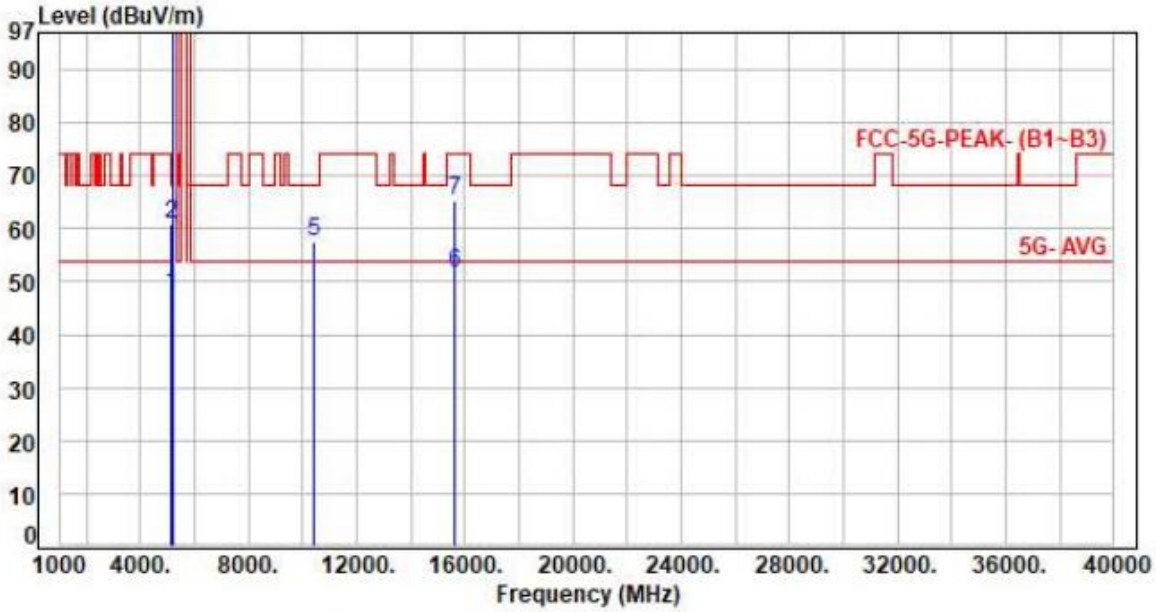
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 1, CH40		:	



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	-0.24	48.47	48.23	54.00	-5.77	Average	134	159	P
2	5150.00	-0.24	62.22	61.98	74.00	-12.02	Peak	134	159	P
3	5200.00	-0.25	106.72	106.47	200.00	-93.53	Average	134	159	P
4	5200.00	-0.25	120.19	119.94	200.00	-80.06	Peak	134	159	P
5	10400.00	3.40	54.15	57.55	68.20	-10.65	Peak	100	335	P
6	15600.00	5.38	47.54	52.92	54.00	-1.08	Average	100	193	P
7	15600.00	5.38	60.56	65.94	74.00	-8.06	Peak	100	193	P

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

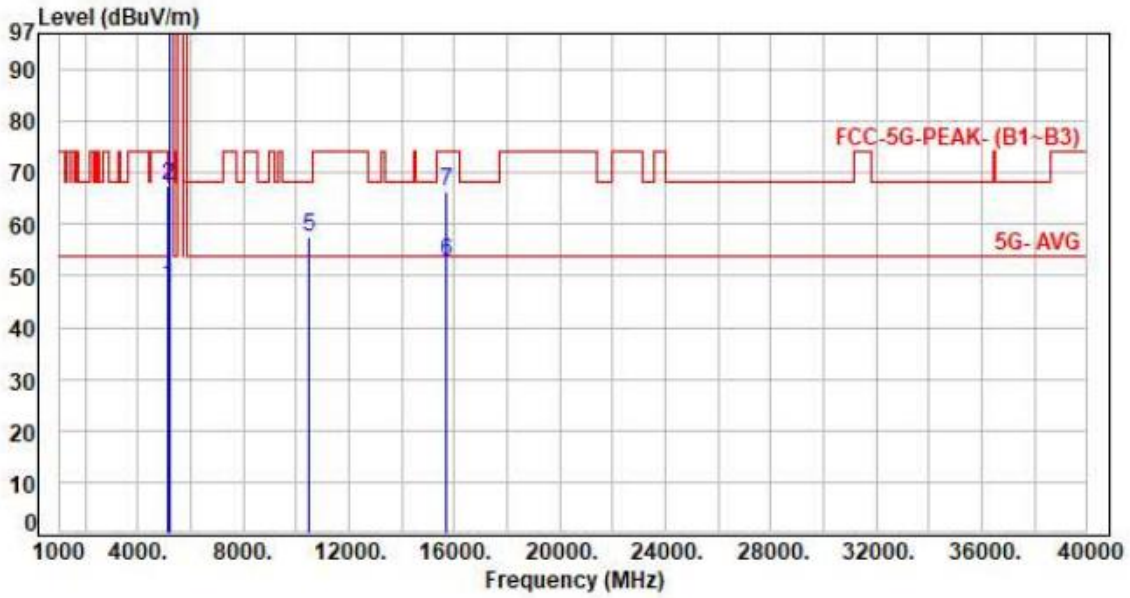
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 1, CH40		:	



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	-0.24	47.85	47.61	54.00	-6.39	Average	175	294	P
2	5150.00	-0.24	61.07	60.83	74.00	-13.17	Peak	175	294	P
3	5200.00	-0.25	105.17	104.92	200.00	-95.08	Average	175	294	P
4	5200.00	-0.25	118.23	117.98	200.00	-82.02	Peak	175	294	P
5	10400.00	3.40	54.27	57.67	68.20	-10.53	Peak	100	222	P
6	15600.00	5.38	46.17	51.55	54.00	-2.45	Average	100	342	P
7	15600.00	5.38	59.74	65.12	74.00	-8.88	Peak	100	342	P

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

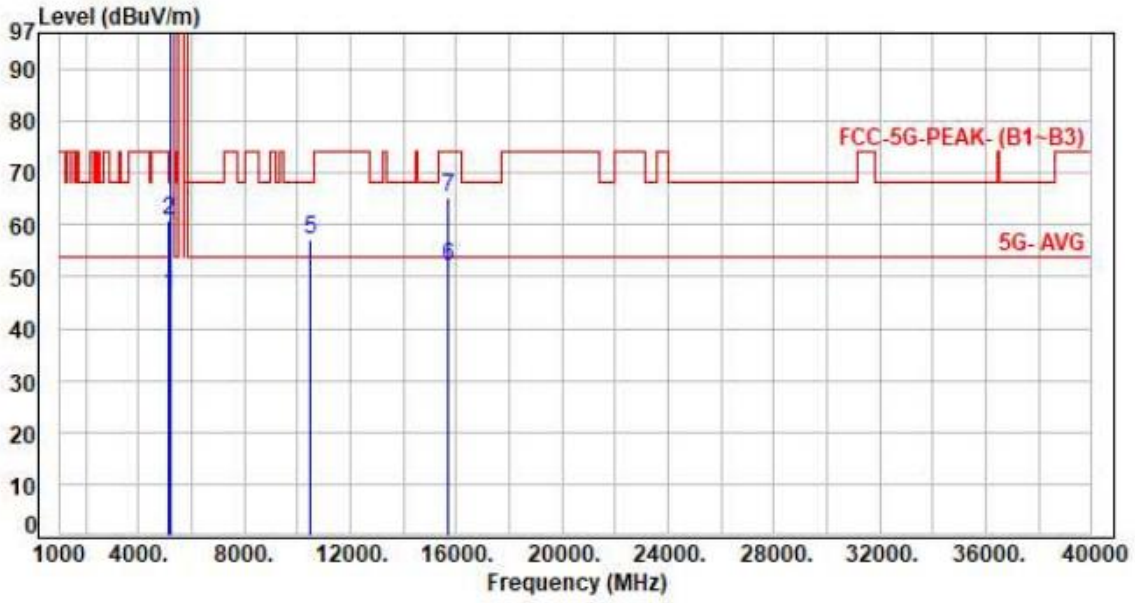
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 1, CH48		:	



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	-0.24	48.16	47.92	54.00	-6.08	Average	180	157	P
2	5150.00	-0.24	67.81	67.57	74.00	-6.43	Peak	180	157	P
3	5240.00	-0.34	108.04	107.70	200.00	-92.30	Average	180	157	P
4	5240.00	-0.34	121.69	121.35	200.00	-78.65	Peak	180	157	P
5	10480.00	3.25	54.21	57.46	68.20	-10.74	Peak	100	339	P
6	15720.00	5.32	47.30	52.62	54.00	-1.38	Average	100	242	P
7	15720.00	5.32	61.03	66.35	74.00	-7.65	Peak	100	242	P

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

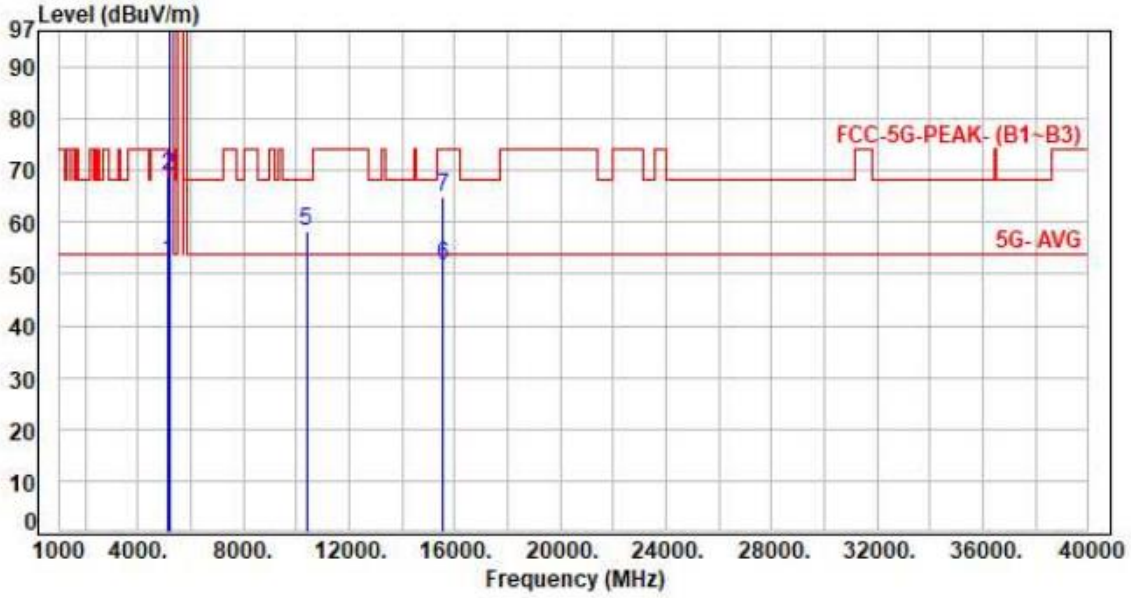
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 1, CH48		:	



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	-0.24	46.76	46.52	54.00	-7.48	Average	200	304	P
2	5150.00	-0.24	61.19	60.95	74.00	-13.05	Peak	200	304	P
3	5240.00	-0.34	106.56	106.22	200.00	-93.78	Average	200	304	P
4	5240.00	-0.34	119.85	119.51	200.00	-80.49	Peak	200	304	P
5	10480.00	3.25	53.74	56.99	68.20	-11.21	Peak	100	221	P
6	15720.00	5.32	46.57	51.89	54.00	-2.11	Average	100	338	P
7	15720.00	5.32	59.96	65.28	74.00	-8.72	Peak	100	338	P

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

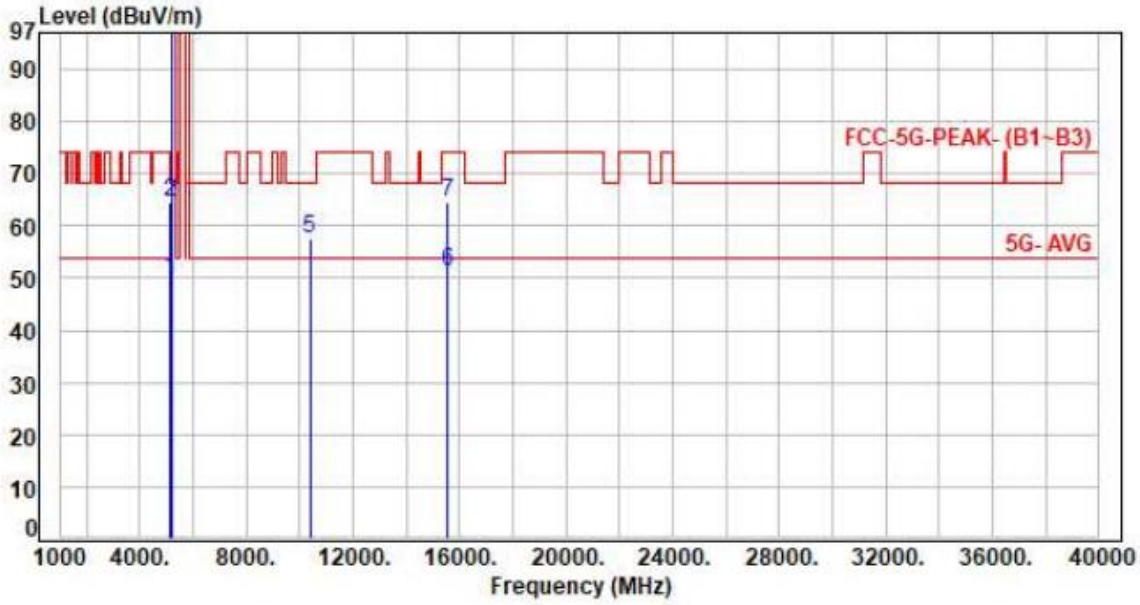
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 1, CH38		:	



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	-0.24	52.44	52.20	54.00	-1.80	Average	175	158	P
2	5150.00	-0.24	69.29	69.05	74.00	-4.95	Peak	175	158	P
3	5190.00	-0.26	100.06	99.80	200.00	-100.20	Average	175	158	P
4	5190.00	-0.26	112.57	112.31	200.00	-87.69	Peak	175	158	P
5	10380.00	3.41	54.89	58.30	68.20	-9.90	Peak	100	341	P
6	15570.00	5.37	46.21	51.58	54.00	-2.42	Average	100	194	P
7	15570.00	5.37	59.40	64.77	74.00	-9.23	Peak	100	194	P

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

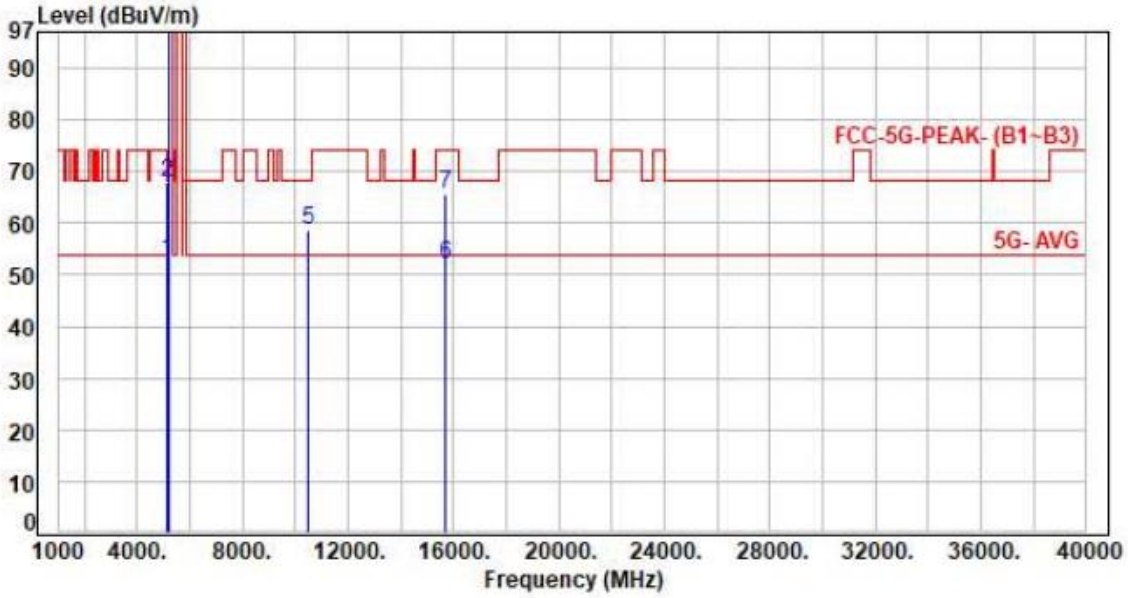
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 1, CH38		:	



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	-0.24	50.18	49.94	54.00	-4.06	Average	175	288	P
2	5150.00	-0.24	64.77	64.53	74.00	-9.47	Peak	175	288	P
3	5190.00	-0.26	98.01	97.75	200.00	-102.25	Average	175	288	P
4	5190.00	-0.26	110.15	109.89	200.00	-90.11	Peak	175	288	P
5	10380.00	3.41	54.15	57.56	68.20	-10.64	Peak	100	228	P
6	15570.00	5.37	46.06	51.43	54.00	-2.57	Average	100	333	P
7	15570.00	5.37	59.12	64.49	74.00	-9.51	Peak	100	333	P

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

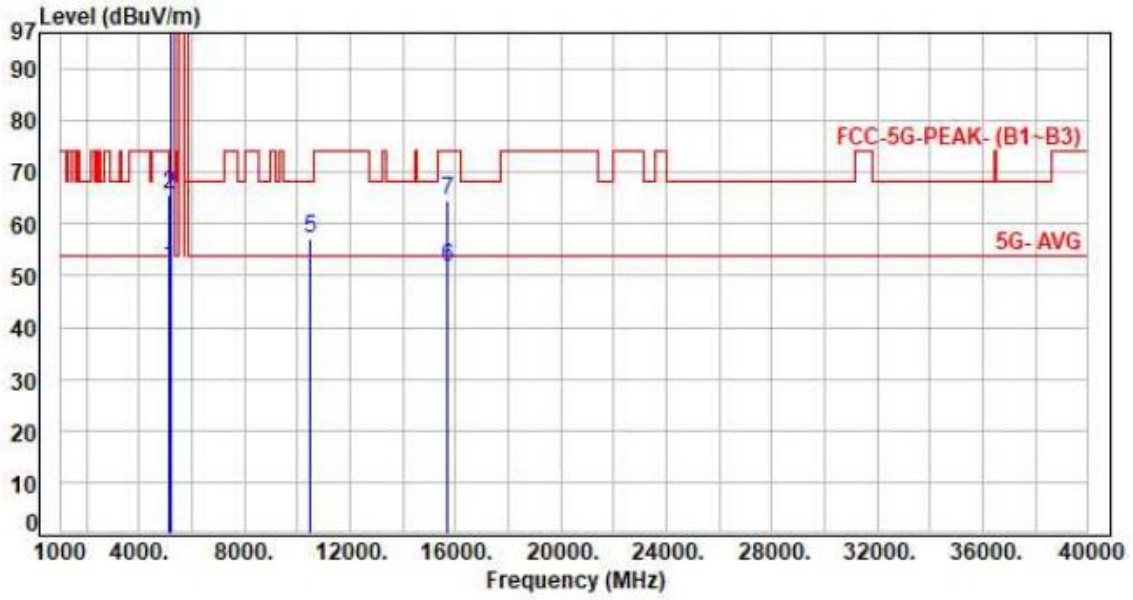
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 1, CH46		:	



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	-0.24	52.83	52.59	54.00	-1.41	Average	172	154	P
2	5150.00	-0.24	68.08	67.84	74.00	-6.16	Peak	172	154	P
3	5230.00	-0.32	104.25	103.93	200.00	-96.07	Average	172	154	P
4	5230.00	-0.32	116.80	116.48	200.00	-83.52	Peak	172	154	P
5	10460.00	3.26	55.39	58.65	68.20	-9.55	Peak	100	336	P
6	15690.00	5.20	46.82	52.02	54.00	-1.98	Average	100	242	P
7	15690.00	5.20	60.48	65.68	74.00	-8.32	Peak	100	242	P

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

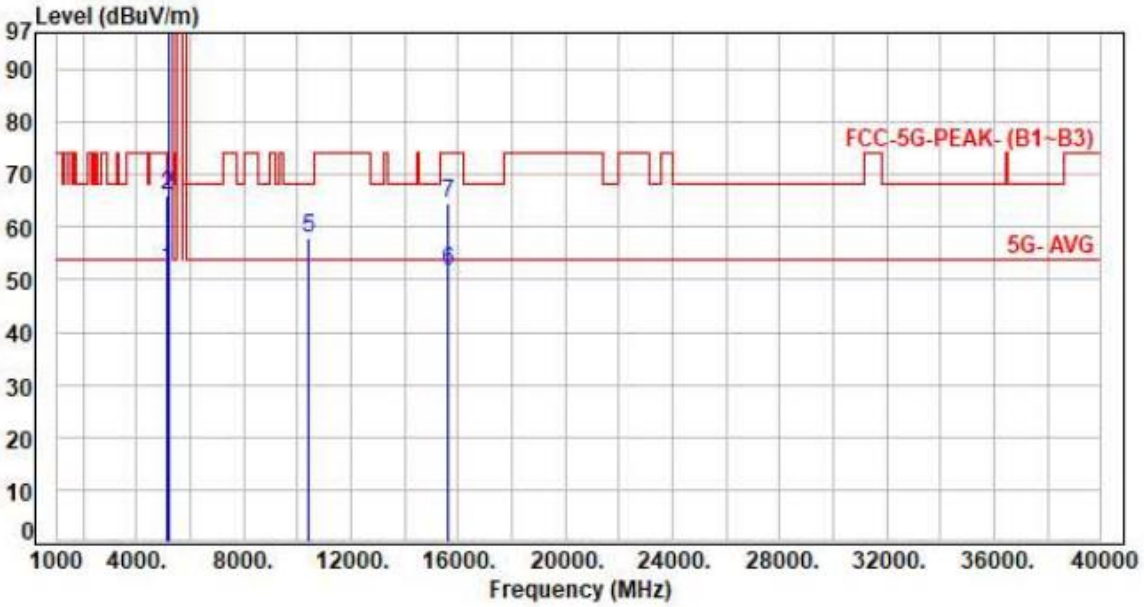
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 1, CH46		:	



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	-0.24	51.85	51.61	54.00	-2.39	Average	185	302	P
2	5150.00	-0.24	65.93	65.69	74.00	-8.31	Peak	185	302	P
3	5230.00	-0.32	102.33	102.01	200.00	-97.99	Average	185	302	P
4	5230.00	-0.32	115.52	115.20	200.00	-84.80	Peak	185	302	P
5	10460.00	3.26	54.09	57.35	68.20	-10.85	Peak	100	229	P
6	15690.00	5.20	46.28	51.48	54.00	-2.52	Average	100	347	P
7	15690.00	5.20	59.23	64.43	74.00	-9.57	Peak	100	347	P

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

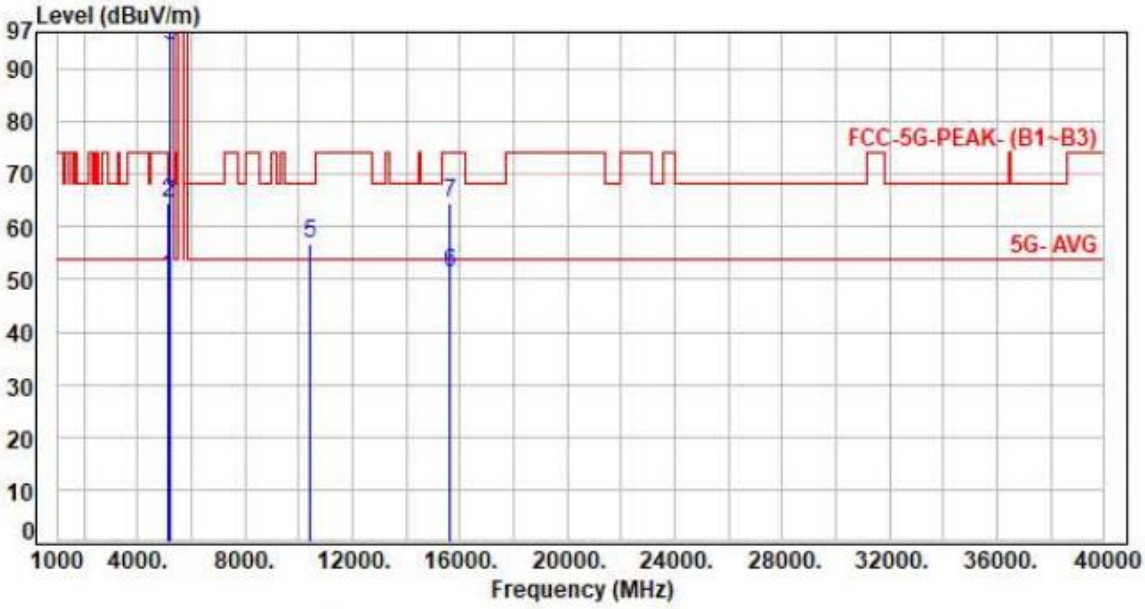
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 1, CH42		:	



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	-0.24	52.29	52.05	54.00	-1.95	Average	186	158	P
2	5150.00	-0.24	66.32	66.08	74.00	-7.92	Peak	186	158	P
3	5210.00	-0.27	96.30	96.03	200.00	-103.97	Average	186	158	P
4	5210.00	-0.27	108.44	108.17	200.00	-91.83	Peak	186	158	P
5	10420.00	3.35	54.47	57.82	68.20	-10.38	Peak	100	341	P
6	15630.00	5.21	46.58	51.79	54.00	-2.21	Average	100	244	P
7	15630.00	5.21	59.44	64.65	74.00	-9.35	Peak	100	244	P

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

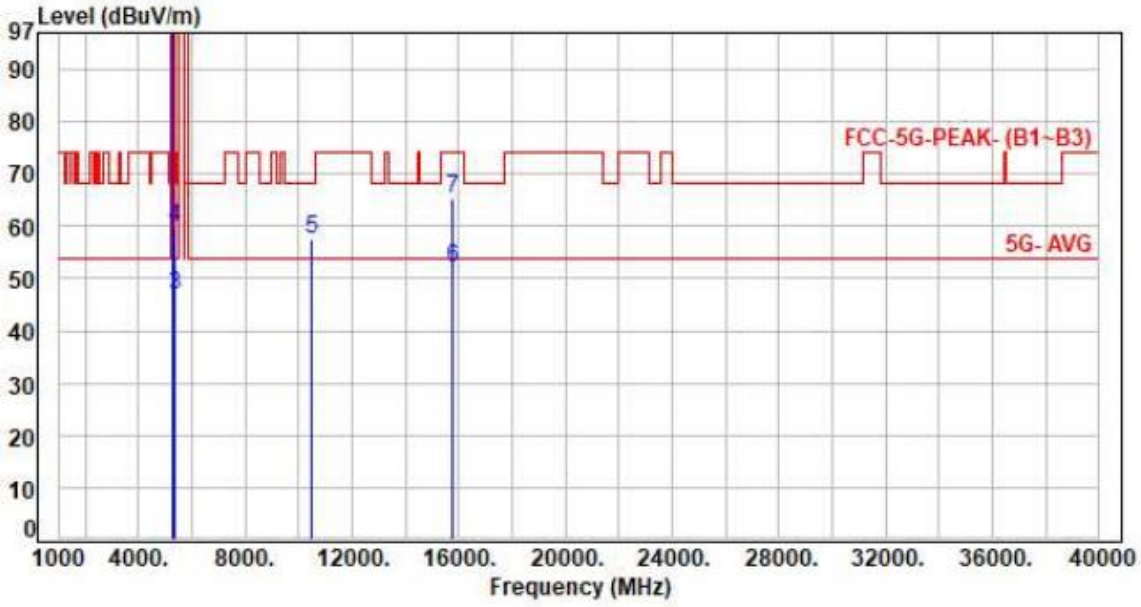
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 1, CH42		:	



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	-0.24	50.70	50.46	54.00	-3.54	Average	166	294	P
2	5150.00	-0.24	64.93	64.69	74.00	-9.31	Peak	166	294	P
3	5210.00	-0.27	94.67	94.40	200.00	-105.60	Average	166	294	P
4	5210.00	-0.27	107.61	107.34	200.00	-92.66	Peak	166	294	P
5	10420.00	3.35	53.57	56.92	68.20	-11.28	Peak	100	225	P
6	15630.00	5.21	46.17	51.38	54.00	-2.62	Average	100	345	P
7	15630.00	5.21	59.17	64.38	74.00	-9.62	Peak	100	345	P

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

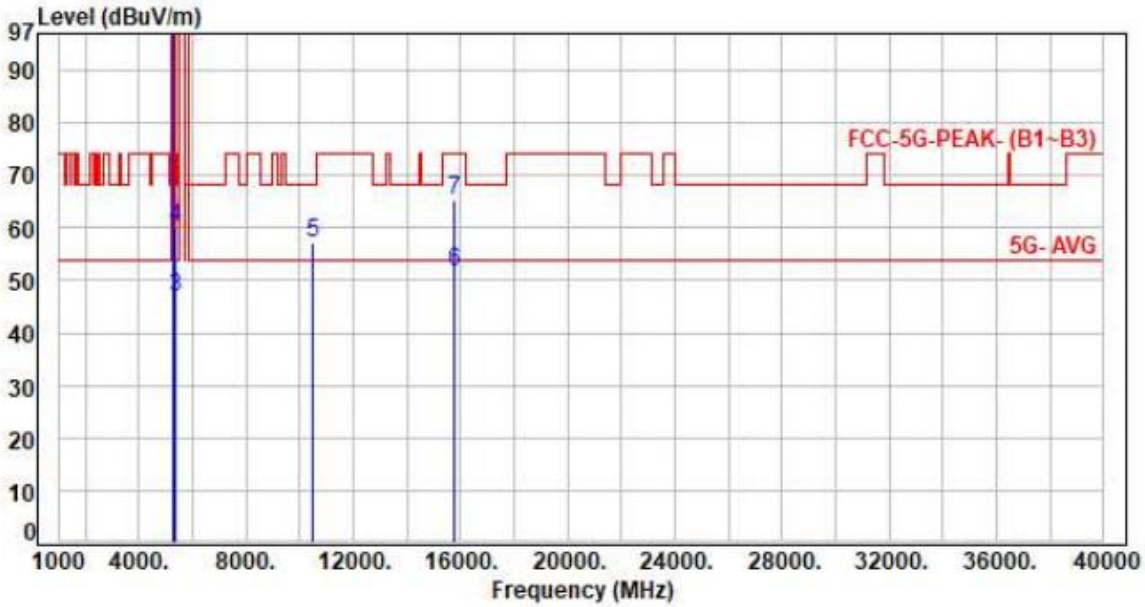
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH52		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	-0.38	107.64	107.26	200.00	-92.74	Average	204	152	P
2	5260.00	-0.38	117.79	117.41	200.00	-82.59	Peak	204	152	P
3	5350.00	-0.47	47.41	46.94	54.00	-7.06	Average	204	152	P
4	5350.00	-0.47	60.11	59.64	74.00	-14.36	Peak	204	152	P
5	10520.00	3.27	54.20	57.47	68.20	-10.73	Peak	100	340	P
6	15780.00	5.51	46.67	52.18	54.00	-1.82	Average	100	242	P
7	15780.00	5.51	59.84	65.35	74.00	-8.65	Peak	100	242	P

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

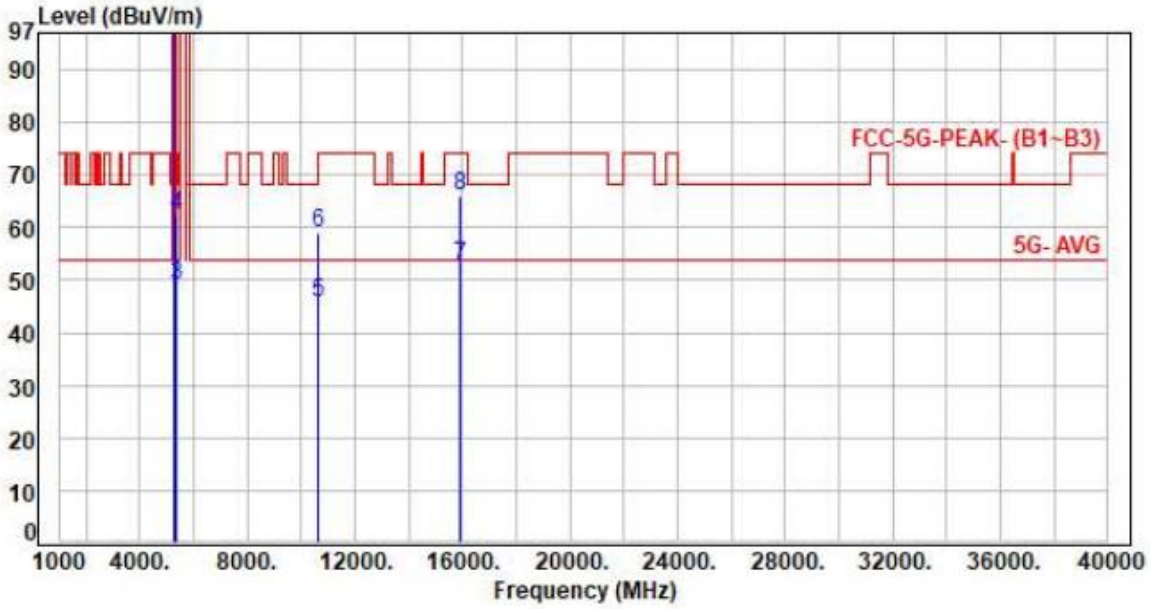
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH52		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	-0.38	105.69	105.31	200.00	-94.69	Average	234	300	P
2	5260.00	-0.38	114.94	114.56	200.00	-85.44	Peak	234	300	P
3	5350.00	-0.47	47.30	46.83	54.00	-7.17	Average	234	300	P
4	5350.00	-0.47	60.65	60.18	74.00	-13.82	Peak	234	300	P
5	10520.00	3.27	53.85	57.12	68.20	-11.08	Peak	100	225	P
6	15780.00	5.51	46.19	51.70	54.00	-2.30	Average	100	337	P
7	15780.00	5.51	59.95	65.46	74.00	-8.54	Peak	100	337	P

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

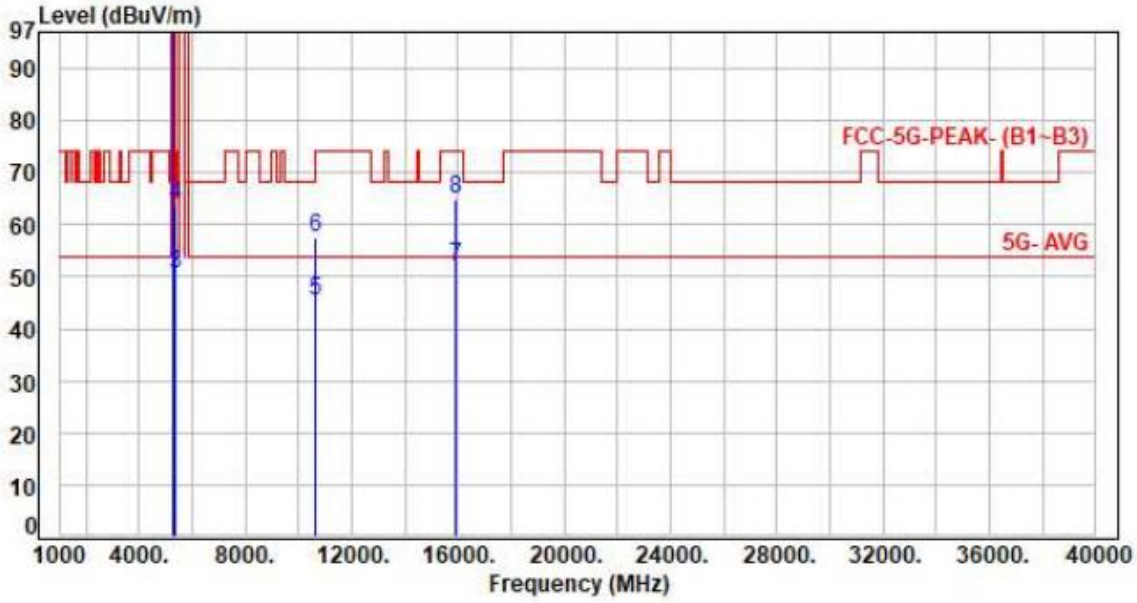
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH60		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	-0.46	108.20	107.74	200.00	-92.26	Average	137	156	P
2	5300.00	-0.46	118.35	117.89	200.00	-82.11	Peak	137	156	P
3	5350.00	-0.47	49.41	48.94	54.00	-5.06	Average	137	156	P
4	5350.00	-0.47	62.80	62.33	74.00	-11.67	Peak	137	156	P
5	10600.00	3.30	42.44	45.74	54.00	-8.26	Average	100	338	P
6	10600.00	3.30	55.74	59.04	74.00	-14.96	Peak	100	338	P
7	15900.00	5.51	47.32	52.83	54.00	-1.17	Average	100	326	P
8	15900.00	5.51	60.60	66.11	74.00	-7.89	Peak	100	326	P

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

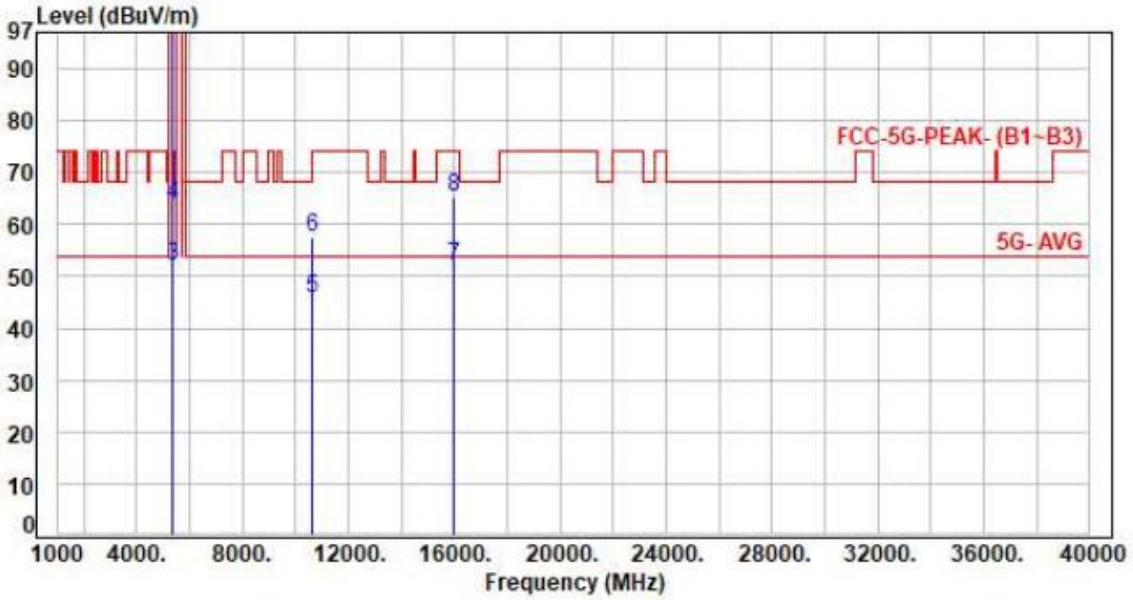
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH60		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	-0.46	106.45	105.99	200.00	-94.01	Average	162	301	P
2	5300.00	-0.46	115.68	115.22	200.00	-84.78	Peak	162	301	P
3	5350.00	-0.47	50.98	50.51	54.00	-3.49	Average	162	301	P
4	5350.00	-0.47	64.42	63.95	74.00	-10.05	Peak	162	301	P
5	10600.00	3.30	41.97	45.27	54.00	-8.73	Average	100	220	P
6	10600.00	3.30	54.09	57.39	74.00	-16.61	Peak	100	220	P
7	15900.00	5.51	46.66	52.17	54.00	-1.83	Average	100	348	P
8	15900.00	5.51	59.28	64.79	74.00	-9.21	Peak	100	348	P

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

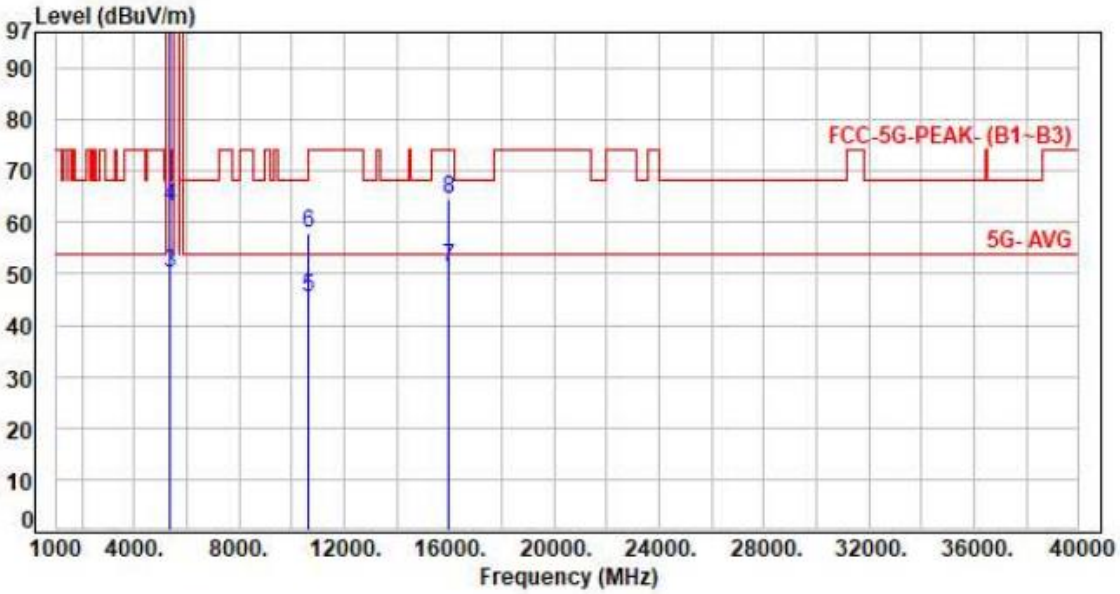
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH64		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	-0.47	107.95	107.48	200.00	-92.52	Average	171	154	P
2	5320.00	-0.47	118.07	117.60	200.00	-82.40	Peak	171	154	P
3	5350.00	-0.47	52.58	52.11	54.00	-1.89	Average	171	154	P
4	5350.00	-0.47	64.30	63.83	74.00	-10.17	Peak	171	154	P
5	10640.00	3.36	42.41	45.77	54.00	-8.23	Average	100	342	P
6	10640.00	3.36	54.16	57.52	74.00	-16.48	Peak	100	342	P
7	15960.00	5.44	46.44	51.88	54.00	-2.12	Average	100	326	P
8	15960.00	5.44	59.71	65.15	74.00	-8.85	Peak	100	326	P

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

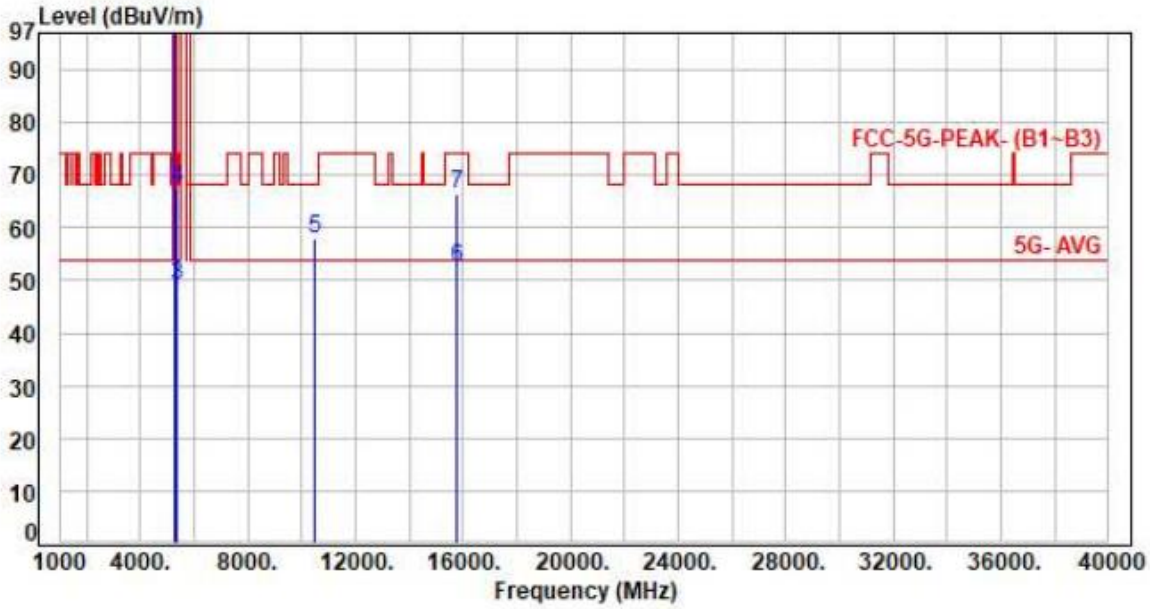
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH64		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	-0.47	106.05	105.58	200.00	-94.42	Average	179	299	P
2	5320.00	-0.47	115.17	114.70	200.00	-85.30	Peak	179	299	P
3	5350.00	-0.47	50.56	50.09	54.00	-3.91	Average	179	299	P
4	5350.00	-0.47	63.46	62.99	74.00	-11.01	Peak	179	299	P
5	10640.00	3.36	42.16	45.52	54.00	-8.48	Average	100	223	P
6	10640.00	3.36	54.38	57.74	74.00	-16.26	Peak	100	223	P
7	15960.00	5.44	45.95	51.39	54.00	-2.61	Average	100	342	P
8	15960.00	5.44	59.16	64.60	74.00	-9.40	Peak	100	342	P

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

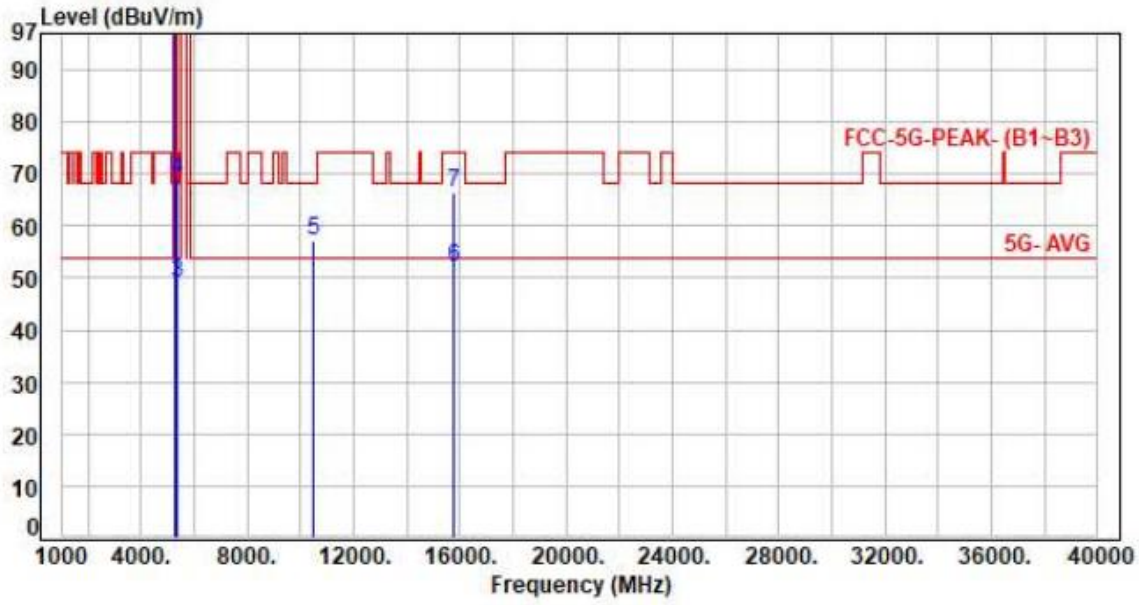
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 2, CH52		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	-0.38	108.77	108.39	200.00	-91.61	Average	193	155	P
2	5260.00	-0.38	121.74	121.36	200.00	-78.64	Peak	193	155	P
3	5350.00	-0.47	49.61	49.14	54.00	-4.86	Average	193	155	P
4	5350.00	-0.47	67.86	67.39	74.00	-6.61	Peak	193	155	P
5	10520.00	3.27	54.48	57.75	68.20	-10.45	Peak	100	345	P
6	15780.00	5.51	46.91	52.42	54.00	-1.58	Average	100	322	P
7	15780.00	5.51	60.89	66.40	74.00	-7.60	Peak	100	322	P

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

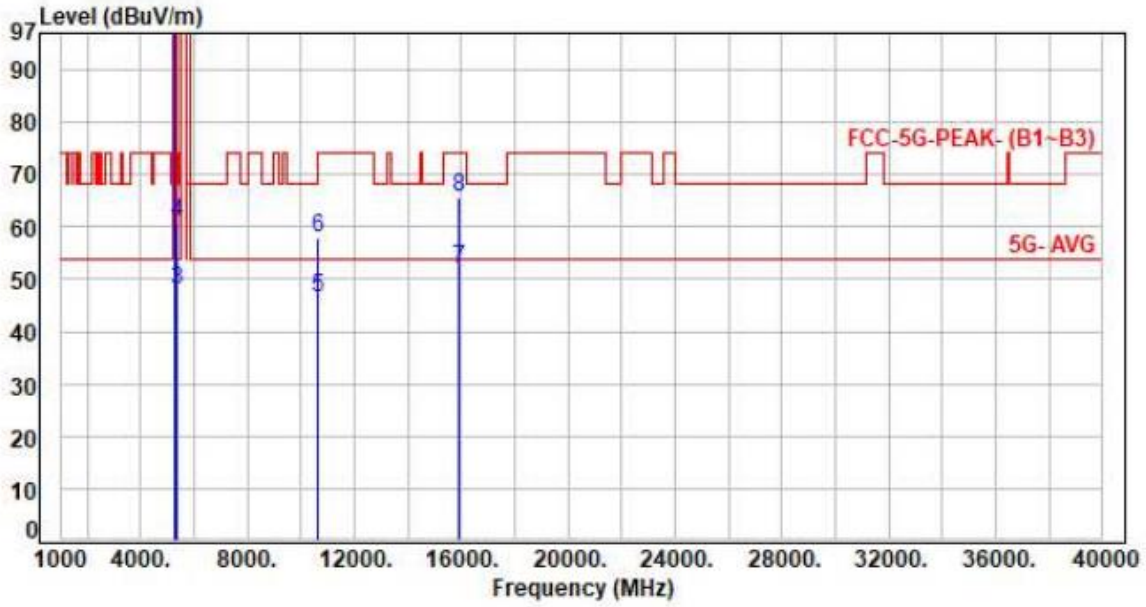
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 2, CH52		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	-0.38	106.25	105.87	200.00	-94.13	Average	204	283	P
2	5260.00	-0.38	119.42	119.04	200.00	-80.96	Peak	204	283	P
3	5350.00	-0.47	49.40	48.93	54.00	-5.07	Average	204	283	P
4	5350.00	-0.47	69.46	68.99	74.00	-5.01	Peak	204	283	P
5	10520.00	3.27	53.88	57.15	68.20	-11.05	Peak	100	221	P
6	15780.00	5.51	46.41	51.92	54.00	-2.08	Average	100	345	P
7	15780.00	5.51	60.80	66.31	74.00	-7.69	Peak	100	345	P

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

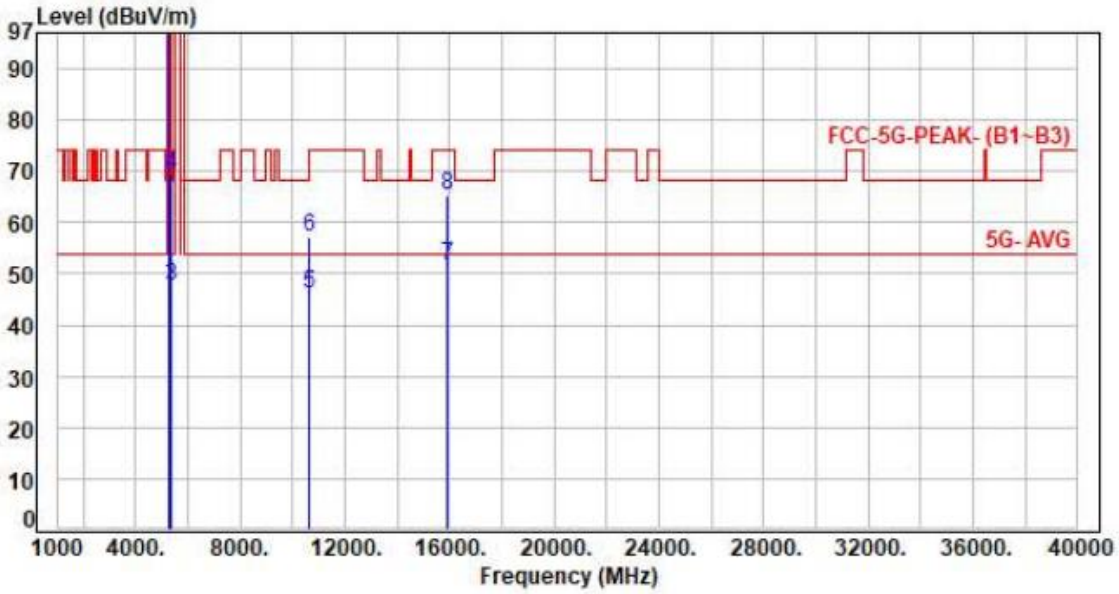
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 2, CH60		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	-0.46	107.37	106.91	200.00	-93.09	Average	140	156	P
2	5300.00	-0.46	120.61	120.15	200.00	-79.85	Peak	140	156	P
3	5350.00	-0.47	48.30	47.83	54.00	-6.17	Average	140	156	P
4	5350.00	-0.47	61.25	60.78	74.00	-13.22	Peak	140	156	P
5	10600.00	3.30	43.07	46.37	54.00	-7.63	Average	100	347	P
6	10600.00	3.30	54.74	58.04	74.00	-15.96	Peak	100	347	P
7	15900.00	5.51	46.58	52.09	54.00	-1.91	Average	100	326	P
8	15900.00	5.51	59.99	65.50	74.00	-8.50	Peak	100	326	P

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

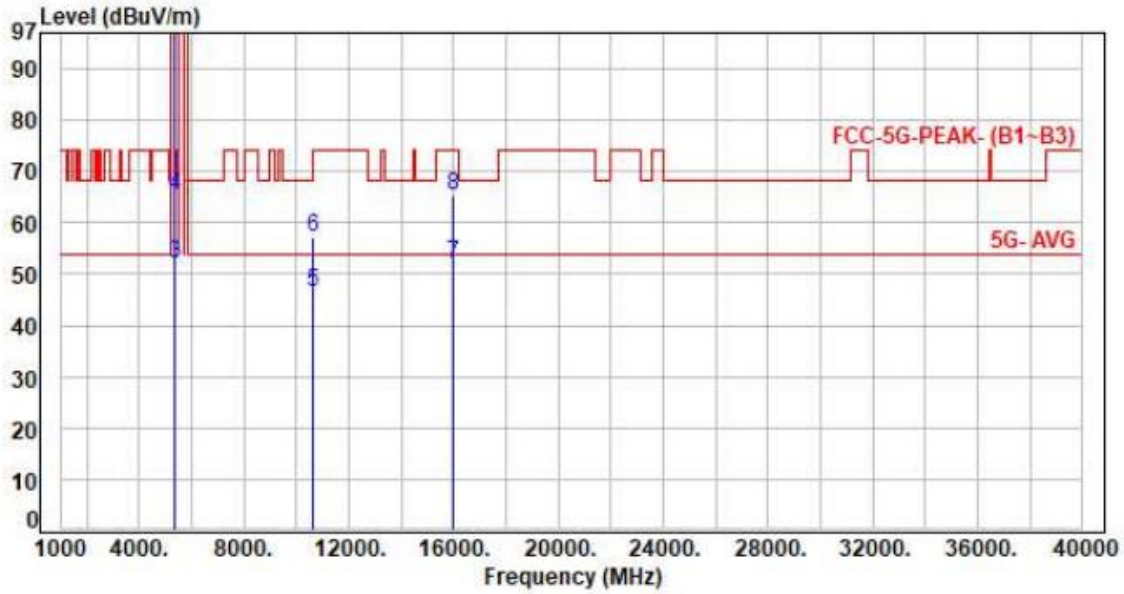
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 2, CH60		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	-0.46	105.22	104.76	200.00	-95.24	Average	208	304	P
2	5300.00	-0.46	118.83	118.37	200.00	-81.63	Peak	208	304	P
3	5350.00	-0.47	48.14	47.67	54.00	-6.33	Average	208	304	P
4	5350.00	-0.47	69.77	69.30	74.00	-4.70	Peak	208	304	P
5	10600.00	3.30	42.97	46.27	54.00	-7.73	Average	100	226	P
6	10600.00	3.30	53.94	57.24	74.00	-16.76	Peak	100	226	P
7	15900.00	5.51	46.11	51.62	54.00	-2.38	Average	100	347	P
8	15900.00	5.51	59.74	65.25	74.00	-8.75	Peak	100	347	P

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

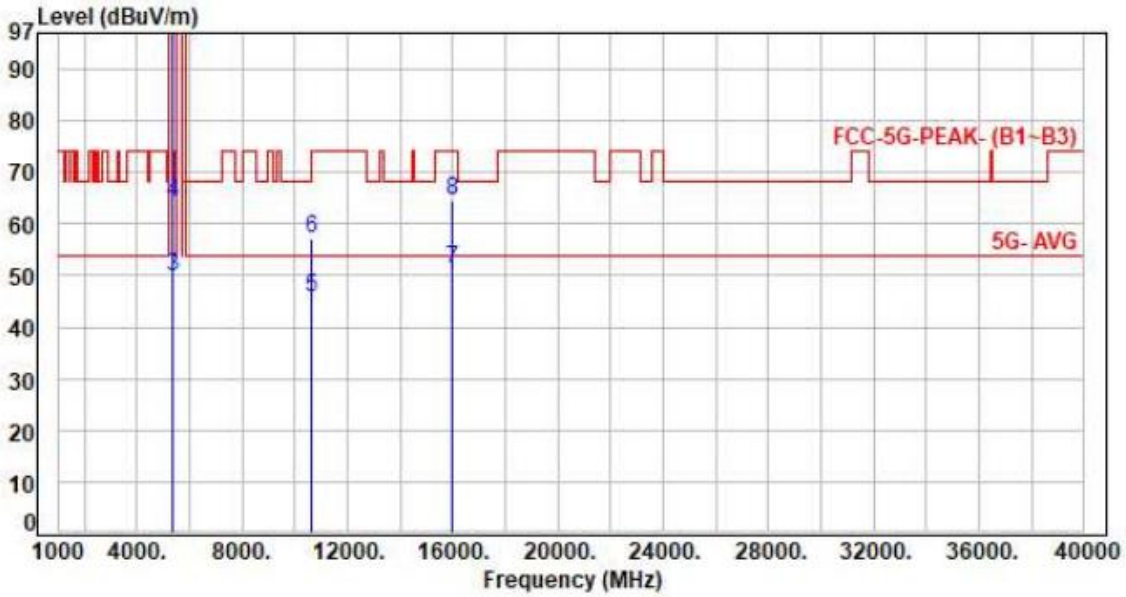
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 2, CH64		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	-0.47	106.48	106.01	200.00	-93.99	Average	168	154	P
2	5320.00	-0.47	119.97	119.50	200.00	-80.50	Peak	168	154	P
3	5350.00	-0.47	52.60	52.13	54.00	-1.87	Average	168	154	P
4	5350.00	-0.47	65.91	65.44	74.00	-8.56	Peak	168	154	P
5	10640.00	3.36	42.95	46.31	54.00	-7.69	Average	100	344	P
6	10640.00	3.36	53.87	57.23	74.00	-16.77	Peak	100	344	P
7	15960.00	5.44	46.44	51.88	54.00	-2.12	Average	100	327	P
8	15960.00	5.44	59.77	65.21	74.00	-8.79	Peak	100	327	P

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

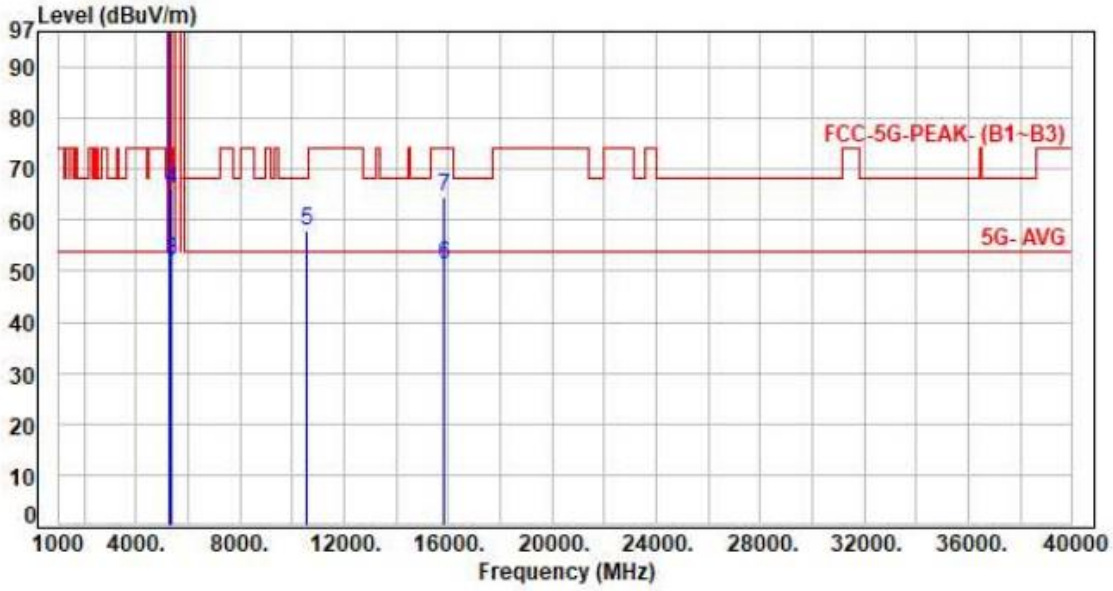
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 2, CH64		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	-0.47	104.53	104.06	200.00	-95.94	Average	193	305	P
2	5320.00	-0.47	117.69	117.22	200.00	-82.78	Peak	193	305	P
3	5350.00	-0.47	50.30	49.83	54.00	-4.17	Average	193	305	P
4	5350.00	-0.47	64.74	64.27	74.00	-9.73	Peak	193	305	P
5	10640.00	3.36	42.21	45.57	54.00	-8.43	Average	100	219	P
6	10640.00	3.36	53.86	57.22	74.00	-16.78	Peak	100	219	P
7	15960.00	5.44	45.96	51.40	54.00	-2.60	Average	100	344	P
8	15960.00	5.44	59.05	64.49	74.00	-9.51	Peak	100	344	P

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

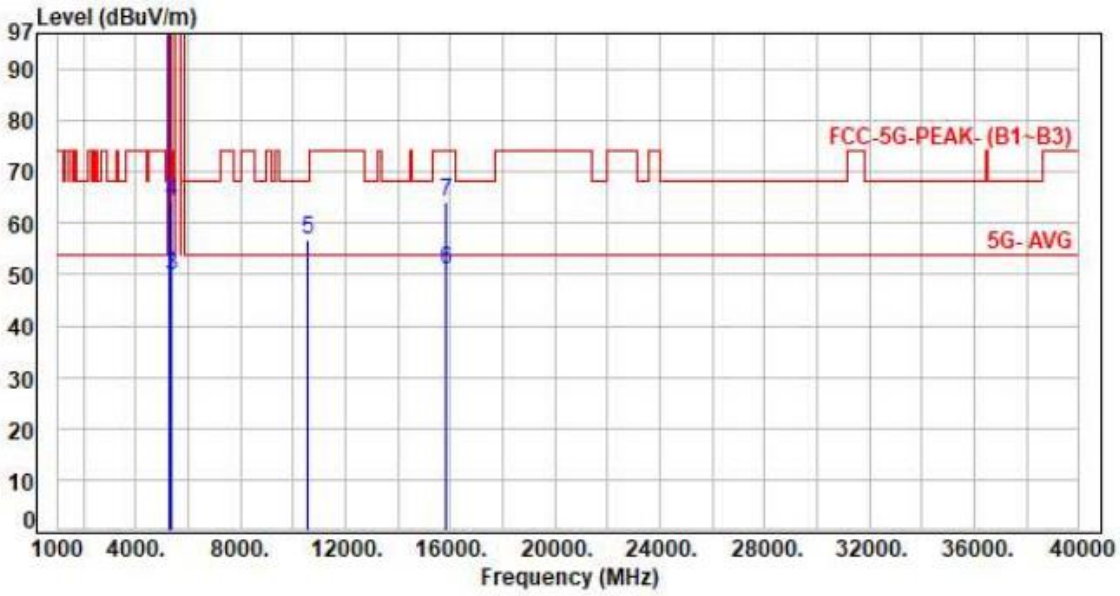
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 2, CH54		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	-0.40	104.13	103.73	200.00	-96.27	Average	171	155	P
2	5270.00	-0.40	117.15	116.75	200.00	-83.25	Peak	171	155	P
3	5350.00	-0.47	52.30	51.83	54.00	-2.17	Average	171	155	P
4	5350.00	-0.47	66.39	65.92	74.00	-8.08	Peak	171	155	P
5	10540.00	3.31	54.48	57.79	68.20	-10.41	Peak	100	341	P
6	15810.00	5.55	45.55	51.10	54.00	-2.90	Average	100	329	P
7	15810.00	5.55	58.85	64.40	74.00	-9.60	Peak	100	329	P

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

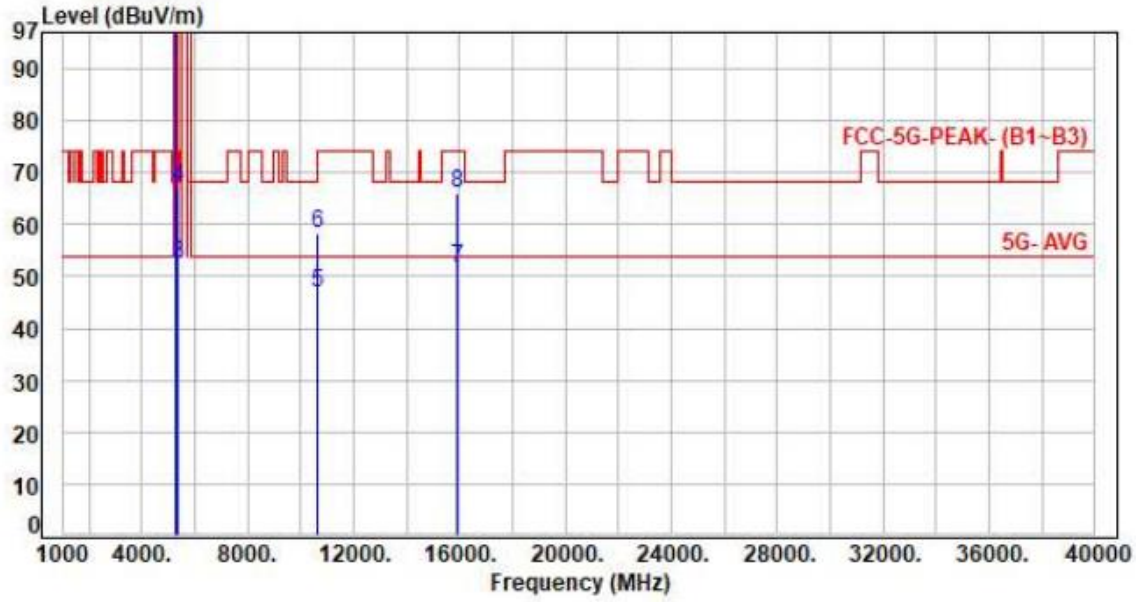
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 2, CH54		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	-0.40	102.71	102.31	200.00	-97.69	Average	168	298	P
2	5270.00	-0.40	116.01	115.61	200.00	-84.39	Peak	168	298	P
3	5350.00	-0.47	50.27	49.80	54.00	-4.20	Average	168	298	P
4	5350.00	-0.47	64.65	64.18	74.00	-9.82	Peak	168	298	P
5	10540.00	3.31	53.66	56.97	68.20	-11.23	Peak	100	222	P
6	15810.00	5.55	45.27	50.82	54.00	-3.18	Average	100	344	P
7	15810.00	5.55	58.58	64.13	74.00	-9.87	Peak	100	344	P

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

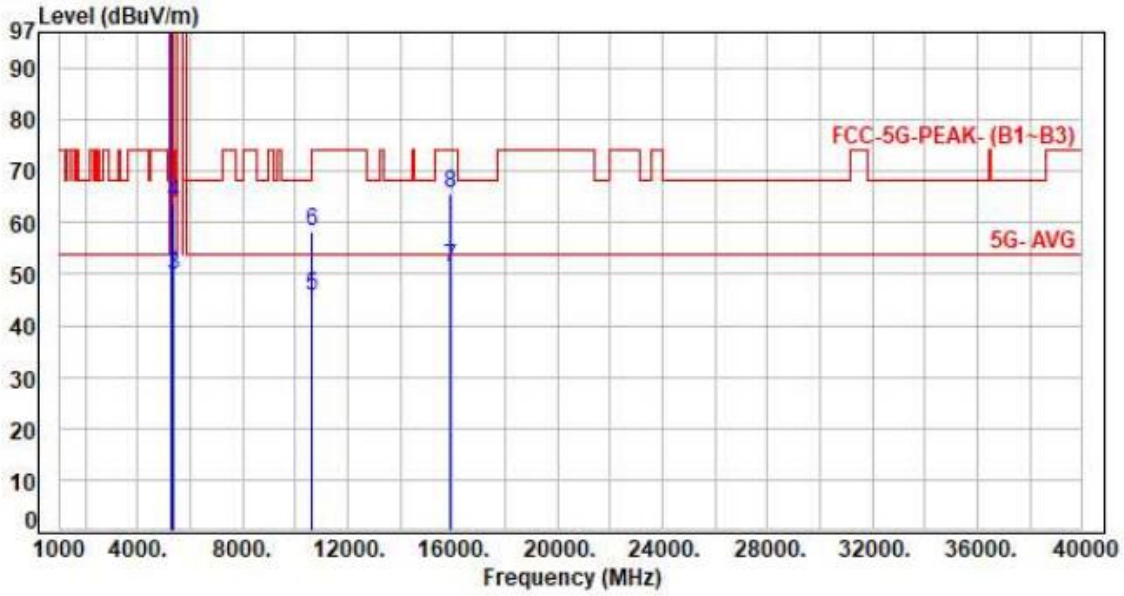
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 2, CH62		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	-0.47	99.99	99.52	200.00	-100.48	Average	200	153	P
2	5310.00	-0.47	112.37	111.90	200.00	-88.10	Peak	200	153	P
3	5350.00	-0.47	52.84	52.37	54.00	-1.63	Average	200	153	P
4	5350.00	-0.47	67.73	67.26	74.00	-6.74	Peak	200	153	P
5	10620.00	3.34	43.67	47.01	54.00	-6.99	Average	100	339	P
6	10620.00	3.34	54.83	58.17	74.00	-15.83	Peak	100	339	P
7	15930.00	5.46	46.12	51.58	54.00	-2.42	Average	100	326	P
8	15930.00	5.46	60.38	65.84	74.00	-8.16	Peak	100	326	P

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

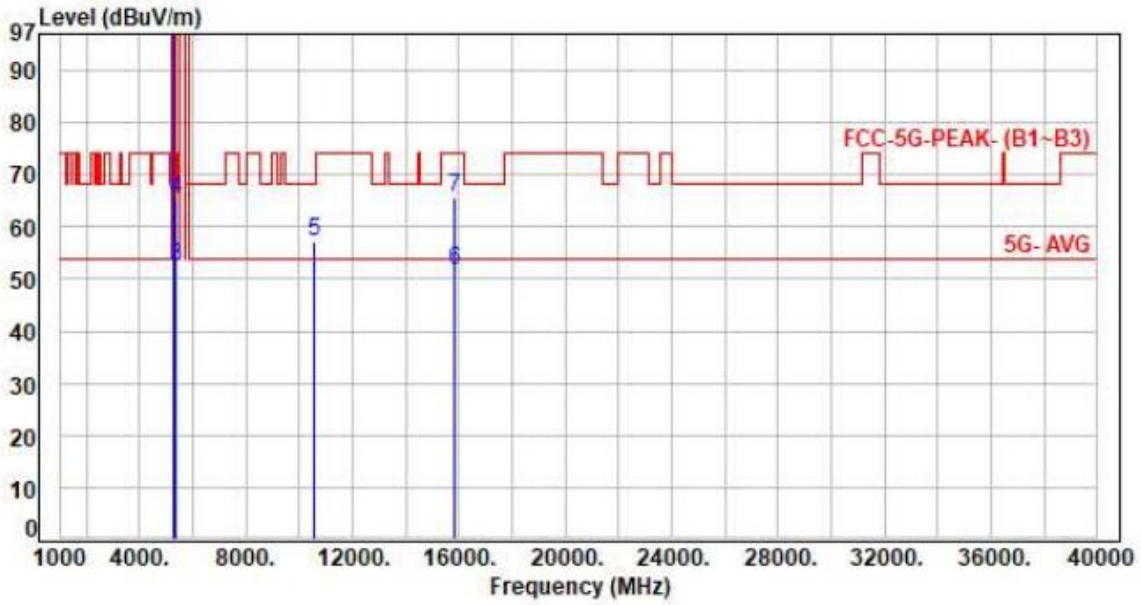
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 2, CH62		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	-0.47	98.45	97.98	200.00	-102.02	Average	198	306	P
2	5310.00	-0.47	111.61	111.14	200.00	-88.86	Peak	198	306	P
3	5350.00	-0.47	50.41	49.94	54.00	-4.06	Average	198	306	P
4	5350.00	-0.47	64.11	63.64	74.00	-10.36	Peak	198	306	P
5	10620.00	3.34	42.32	45.66	54.00	-8.34	Average	100	224	P
6	10620.00	3.34	54.98	58.32	74.00	-15.68	Peak	100	224	P
7	15930.00	5.46	45.81	51.27	54.00	-2.73	Average	100	341	P
8	15930.00	5.46	60.09	65.55	74.00	-8.45	Peak	100	341	P

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

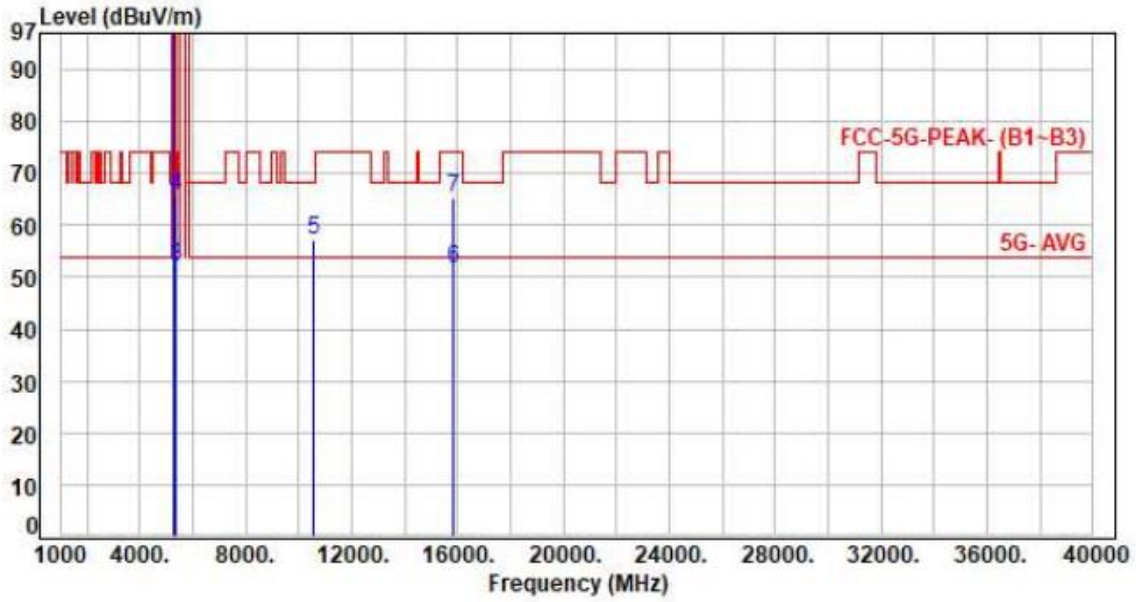
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, Band 2, CH58		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	-0.45	97.48	97.03	200.00	-102.97	Average	166	156	P
2	5290.00	-0.45	110.11	109.66	200.00	-90.34	Peak	166	156	P
3	5350.00	-0.47	52.94	52.47	54.00	-1.53	Average	166	156	P
4	5350.00	-0.47	65.89	65.42	74.00	-8.58	Peak	166	156	P
5	10580.00	3.31	53.90	57.21	68.20	-10.99	Peak	100	347	P
6	15870.00	5.50	46.22	51.72	54.00	-2.28	Average	100	322	P
7	15870.00	5.50	60.10	65.60	74.00	-8.40	Peak	100	322	P

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

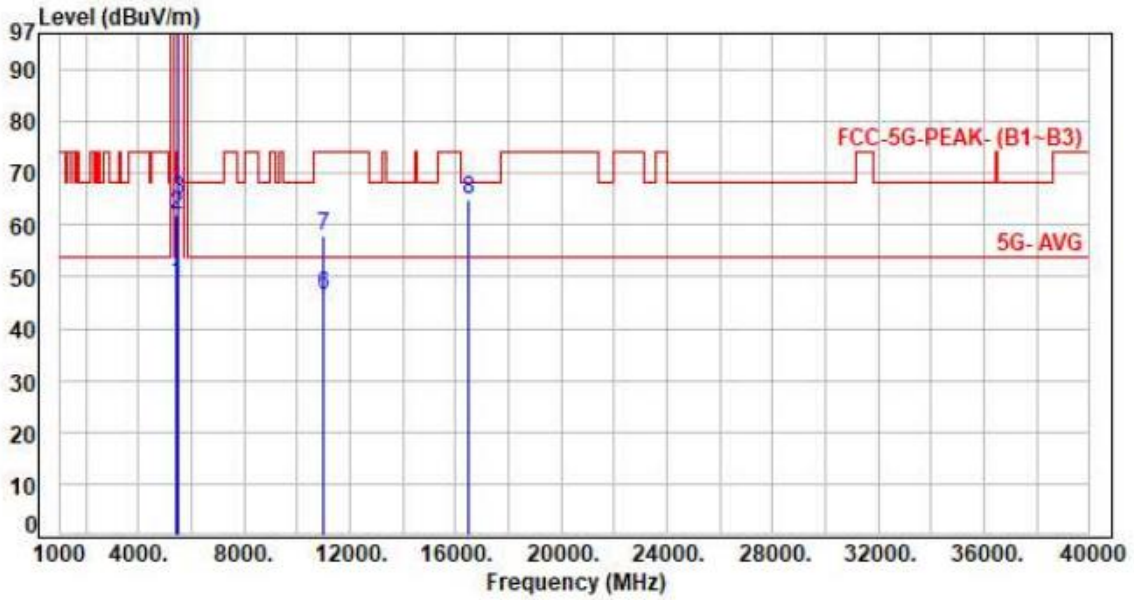
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 2, CH58		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	-0.45	95.94	95.49	200.00	-104.51	Average	202	301	P
2	5290.00	-0.45	107.85	107.40	200.00	-92.60	Peak	202	301	P
3	5350.00	-0.47	52.35	51.88	54.00	-2.12	Average	202	301	P
4	5350.00	-0.47	66.05	65.58	74.00	-8.42	Peak	202	301	P
5	10580.00	3.31	53.69	57.00	68.20	-11.20	Peak	100	224	P
6	15870.00	5.50	45.97	51.47	54.00	-2.53	Average	100	340	P
7	15870.00	5.50	59.76	65.26	74.00	-8.74	Peak	100	340	P

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

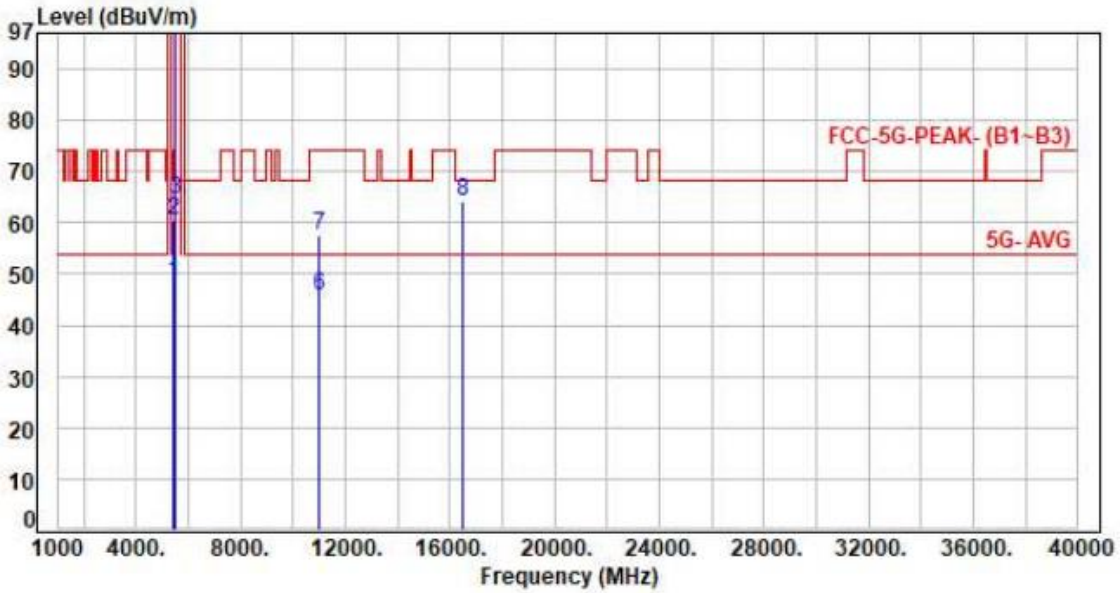
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH100		:	



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	-0.37	49.18	48.81	54.00	-5.19	Average	134	159	P
2	5460.00	-0.37	62.43	62.06	74.00	-11.94	Peak	134	159	P
3	5470.00	-0.35	65.37	65.02	68.20	-3.18	Peak	134	159	P
4	5500.00	-0.29	107.71	107.42	200.00	-92.58	Average	134	159	P
5	5500.00	-0.29	117.50	117.21	200.00	-82.79	Peak	134	159	P
6	11000.00	3.43	43.16	46.59	54.00	-7.41	Average	100	348	P
7	11000.00	3.43	54.46	57.89	74.00	-16.11	Peak	100	348	P
8	16500.00	5.12	59.80	64.92	68.20	-3.28	Peak	100	325	P

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

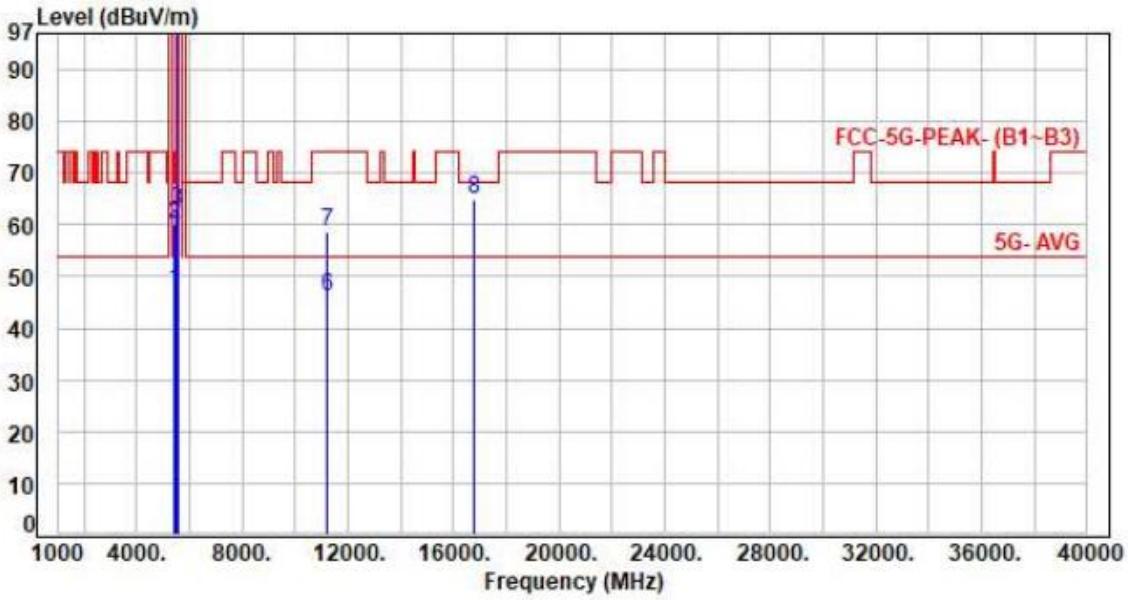
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH100		:	



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	-0.37	48.74	48.37	54.00	-5.63	Average	239	291	P
2	5460.00	-0.37	60.98	60.61	74.00	-13.39	Peak	239	291	P
3	5470.00	-0.35	64.71	64.36	68.20	-3.84	Peak	239	291	P
4	5500.00	-0.29	106.33	106.04	200.00	-93.96	Average	239	291	P
5	5500.00	-0.29	116.23	115.94	200.00	-84.06	Peak	239	291	P
6	11000.00	3.43	42.28	45.71	54.00	-8.29	Average	100	220	P
7	11000.00	3.43	54.10	57.53	74.00	-16.47	Peak	100	220	P
8	16500.00	5.12	59.16	64.28	68.20	-3.92	Peak	100	349	P

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

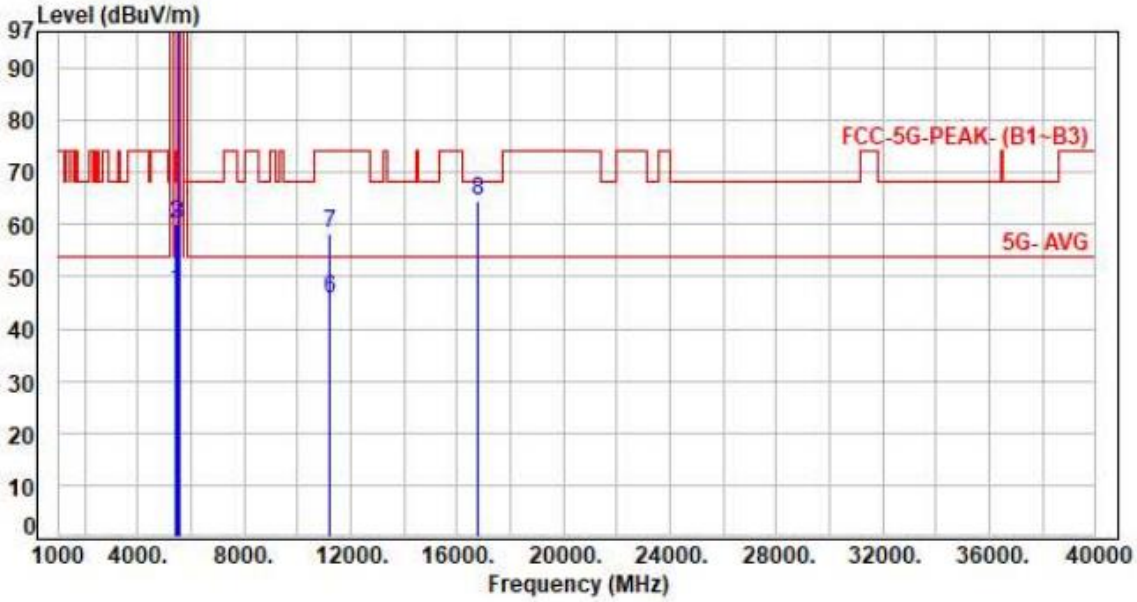
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH120		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-0.37	47.42	47.05	54.00	-6.95	Average	123	158	P
2	5460.00	-0.37	60.56	60.19	74.00	-13.81	Peak	123	158	P
3	5470.00	-0.35	62.94	62.59	68.20	-5.61	Peak	123	158	P
4	5600.00	0.21	109.73	109.94	200.00	-90.06	Average	123	158	P
5	5600.00	0.21	119.25	119.46	200.00	-80.54	Peak	123	158	P
6	11200.00	3.76	42.48	46.24	54.00	-7.76	Average	100	341	P
7	11200.00	3.76	54.71	58.47	74.00	-15.53	Peak	100	341	P
8	16800.00	4.50	60.40	64.90	68.20	-3.30	Peak	100	326	P

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

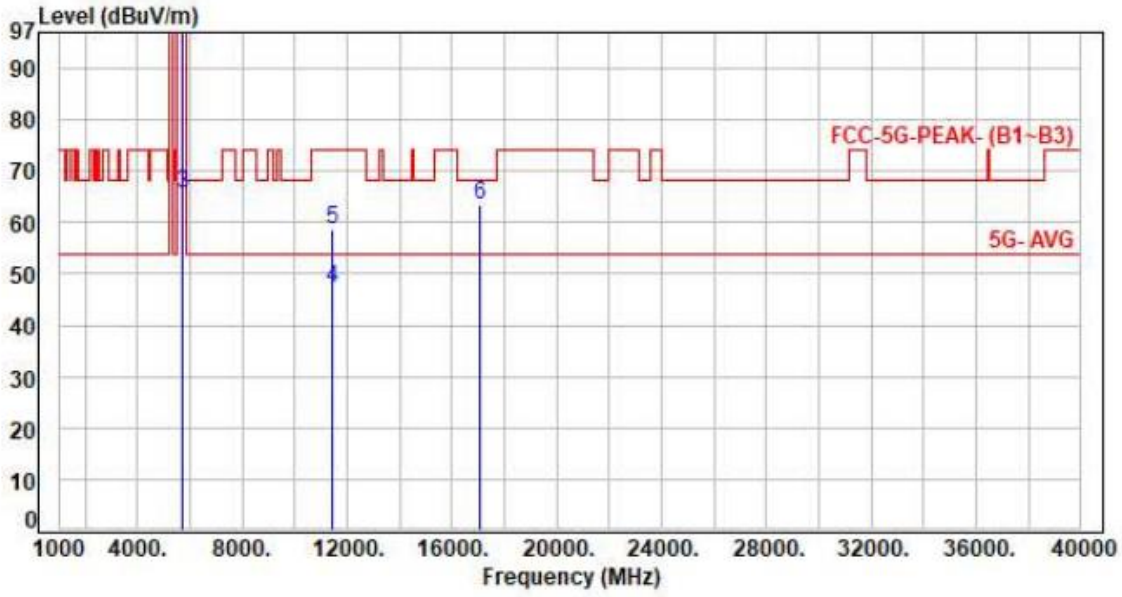
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH120		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-0.37	47.46	47.09	54.00	-6.91	Average	221	292	P
2	5460.00	-0.37	60.53	60.16	74.00	-13.84	Peak	221	292	P
3	5470.00	-0.35	60.36	60.01	68.20	-8.19	Peak	221	292	P
4	5600.00	0.21	108.64	108.85	200.00	-91.15	Average	221	292	P
5	5600.00	0.21	118.31	118.52	200.00	-81.48	Peak	221	292	P
6	11200.00	3.76	42.00	45.76	54.00	-8.24	Average	100	223	P
7	11200.00	3.76	54.60	58.36	74.00	-15.64	Peak	100	223	P
8	16800.00	4.50	60.02	64.52	68.20	-3.68	Peak	100	346	P

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

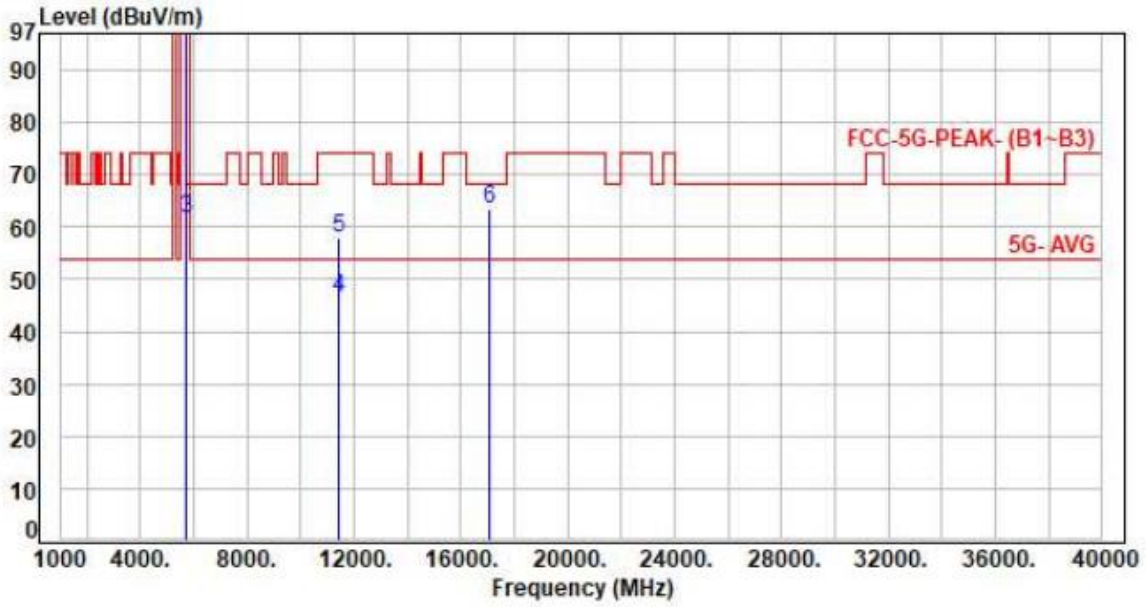
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH140		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	0.71	103.44	104.15	200.00	-95.85	Average	135	158	P
2	5700.00	0.71	113.91	114.62	200.00	-85.38	Peak	135	158	P
3	5725.00	0.76	64.82	65.58	68.20	-2.62	Peak	135	158	P
4	11400.00	3.98	43.17	47.15	54.00	-6.85	Average	100	348	P
5	11400.00	3.98	54.70	58.68	74.00	-15.32	Peak	100	348	P
6	17100.00	3.78	59.74	63.52	68.20	-4.68	Peak	100	322	P

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

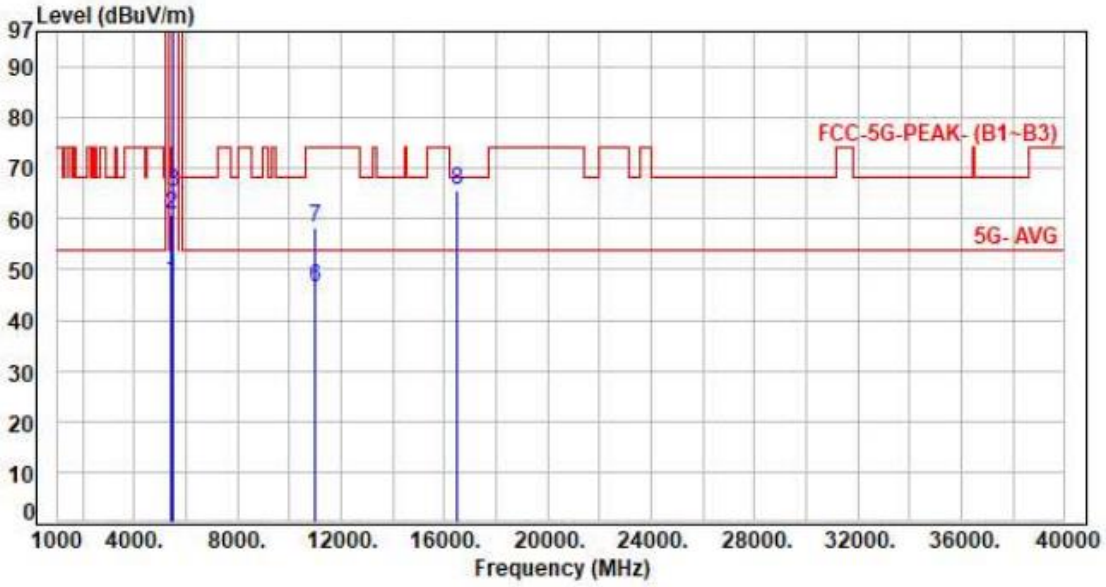
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH140		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	0.71	101.29	102.00	200.00	-98.00	Average	206	298	P
2	5700.00	0.71	110.80	111.51	200.00	-88.49	Peak	206	298	P
3	5725.00	0.76	60.80	61.56	68.20	-6.64	Peak	206	298	P
4	11400.00	3.98	42.57	46.55	54.00	-7.45	Average	100	225	P
5	11400.00	3.98	53.92	57.90	74.00	-16.10	Peak	100	225	P
6	17100.00	3.78	59.52	63.30	68.20	-4.90	Peak	100	339	P

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

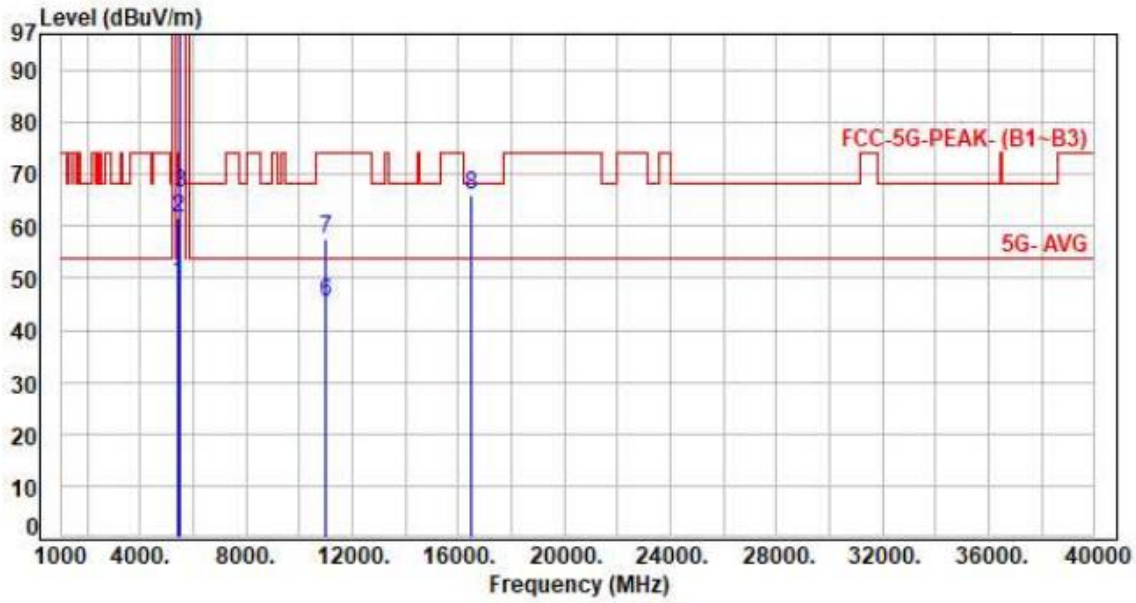
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 3, CH100		:	



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	-0.37	47.83	47.46	54.00	-6.54	Average	124	157	P
2	5460.00	-0.37	61.11	60.74	74.00	-13.26	Peak	124	157	P
3	5470.00	-0.35	65.54	65.19	68.20	-3.01	Peak	124	157	P
4	5500.00	-0.29	105.34	105.05	200.00	-94.95	Average	124	157	P
5	5500.00	-0.29	118.51	118.22	200.00	-81.78	Peak	124	157	P
6	11000.00	3.43	43.08	46.51	54.00	-7.49	Average	100	341	P
7	11000.00	3.43	54.87	58.30	74.00	-15.70	Peak	100	341	P
8	16500.00	5.12	60.39	65.51	68.20	-2.69	Peak	100	325	P

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

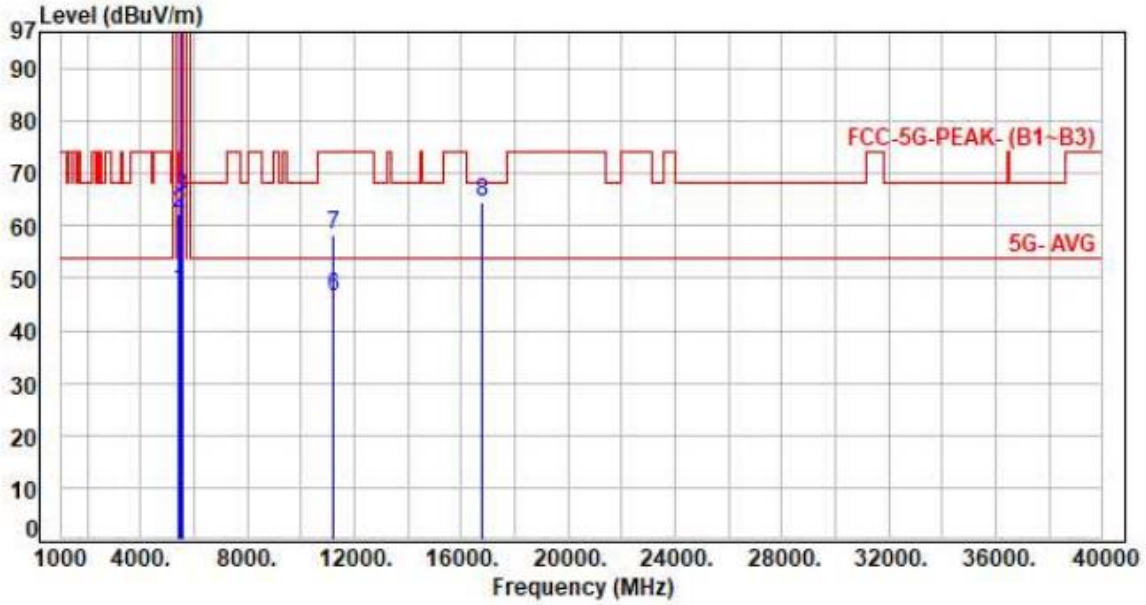
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 3, CH100		:	



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	-0.37	49.24	48.87	54.00	-5.13	Average	183	289	P
2	5460.00	-0.37	62.03	61.66	74.00	-12.34	Peak	183	289	P
3	5470.00	-0.35	66.60	66.25	68.20	-1.95	Peak	183	289	P
4	5500.00	-0.29	102.82	102.53	200.00	-97.47	Average	183	289	P
5	5500.00	-0.29	115.68	115.39	200.00	-84.61	Peak	183	289	P
6	11000.00	3.43	41.97	45.40	54.00	-8.60	Average	100	228	P
7	11000.00	3.43	53.95	57.38	74.00	-16.62	Peak	100	228	P
8	16500.00	5.12	60.75	65.87	68.20	-2.33	Peak	100	352	P

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

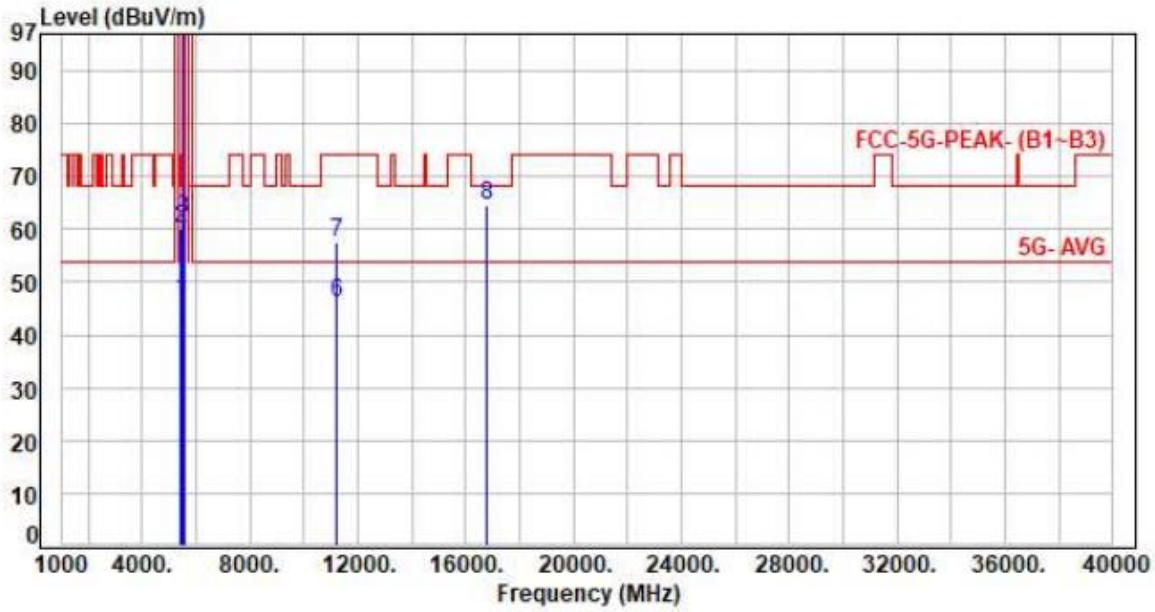
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 3, CH120		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-0.37	48.06	47.69	54.00	-6.31	Average	100	155	P
2	5460.00	-0.37	62.82	62.45	74.00	-11.55	Peak	100	155	P
3	5470.00	-0.35	66.06	65.71	68.20	-2.49	Peak	100	155	P
4	5600.00	0.21	109.17	109.38	200.00	-90.62	Average	100	155	P
5	5600.00	0.21	122.72	122.93	200.00	-77.07	Peak	100	155	P
6	11200.00	3.76	42.88	46.64	54.00	-7.36	Average	100	345	P
7	11200.00	3.76	54.49	58.25	74.00	-15.75	Peak	100	345	P
8	16800.00	4.50	59.87	64.37	68.20	-3.83	Peak	100	331	P

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

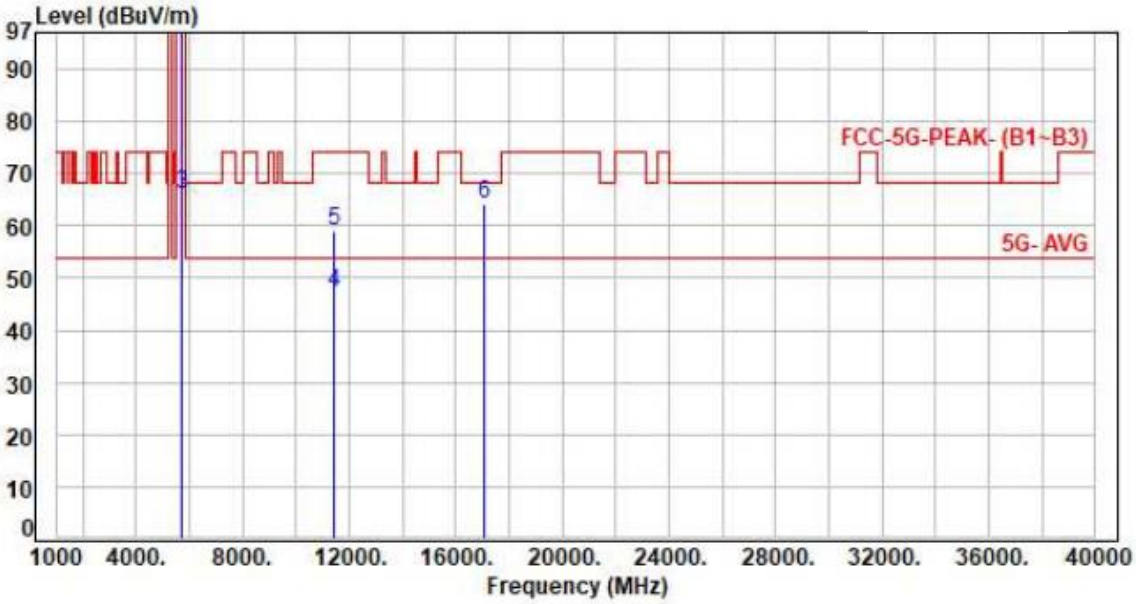
Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, Band 3, CH120		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	-0.37	46.77	46.40	54.00	-7.60	Average	223	296	P
2	5460.00	-0.37	60.44	60.07	74.00	-13.93	Peak	223	296	P
3	5470.00	-0.35	62.23	61.88	68.20	-6.32	Peak	223	296	P
4	5600.00	0.21	107.20	107.41	200.00	-92.59	Average	223	296	P
5	5600.00	0.21	120.79	121.00	200.00	-79.00	Peak	223	296	P
6	11200.00	3.76	42.32	46.08	54.00	-7.92	Average	100	224	P
7	11200.00	3.76	53.89	57.65	74.00	-16.35	Peak	100	224	P
8	16800.00	4.50	60.21	64.71	68.20	-3.49	Peak	100	345	P

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

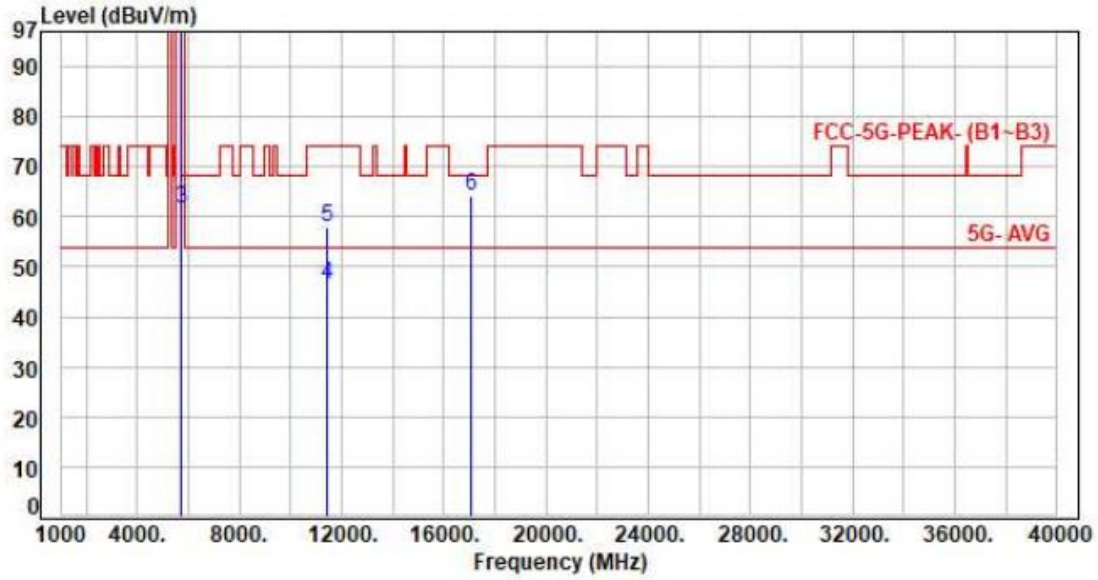
Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, Band 3, CH140		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	0.71	102.18	102.89	200.00	-97.11	Average	136	155	P
2	5700.00	0.71	116.36	117.07	200.00	-82.93	Peak	136	155	P
3	5725.00	0.76	65.30	66.06	68.20	-2.14	Peak	136	155	P
4	11400.00	3.98	43.13	47.11	54.00	-6.89	Average	100	345	P
5	11400.00	3.98	54.87	58.85	74.00	-15.15	Peak	100	345	P
6	17100.00	3.78	60.51	64.29	68.20	-3.91	Peak	100	324	P

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

Power	:	AC 120V / 60Hz	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, 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	5700.00	0.71	100.57	101.28	200.00	-98.72	Average	195	298	P
2	5700.00	0.71	113.97	114.68	200.00	-85.32	Peak	195	298	P
3	5725.00	0.76	60.65	61.41	68.20	-6.79	Peak	195	298	P
4	11400.00	3.98	42.55	46.53	54.00	-7.47	Average	100	226	P
5	11400.00	3.98	53.97	57.95	74.00	-16.05	Peak	100	226	P
6	17100.00	3.78	60.30	64.08	68.20	-4.12	Peak	100	352	P

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