



FCC RADIO TEST REPORT

Applicant : COMTREND CORPORATION

Address : 3F-1, 10 Lane 609, Chongxin Rd., Section 5,
Sanchong Dist, New Taipei City 241405, Taiwan

Equipment : Home Gateway

Model No. : VR-3071v2 、 VR-3073u 、 PRT-6301v2 、 WR-2411u

Trade Name : **COMTREND**

FCC ID : L9VVR3071V2

I HEREBY CERTIFY THAT :

The sample was received on Nov. 23, 2022 and the testing was completed on Apr. 21, 2023 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory





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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(22110068-TEFV01).



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 – MCS31, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80/160 802.11ax: MCS0 – MCS11, HE20/40/80/160
Antenna Type	Copper Tube Antenna (For ANT A & ANT B) PCB Tube Antenna (For ANT C & ANT D)
Antenna Gain	2400-2483.5MHz: ANT A: 4.35dBi, ANT B: 2.73dBi 5150-5250MHz: ANT A: 4.63dBi, ANT B: 2.74dBi, ANT C: 2.87dBi, ANT D: 2.51dBi 5250-5350MHz: ANT A: 5.23dBi, ANT B: 3.13dBi, ANT C: 2.73dBi, ANT D: 2.59dBi 5470-5725MHz: ANT A: 6.57dBi, ANT B: 4.93dBi, ANT C: 2.21dBi, ANT D: 2.33dBi 5725-5850MHz: ANT A: 5.58dBi, ANT B: 3.45dBi, ANT C: 2.52dBi, ANT D: 2.05dBi
Adapter	Brand: Amigo, Model: AMS200-1201500FU Spec.: Input: 100-240V~ 50/60Hz 0.8A Max. Output: 12V / 1.5A

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 Turbo QAM / 802.11ax & 5GHz 802.11ac / 11ax support beamforming Function.
5. For more details, please refer to the User's manual of the EUT.



The differences between all model numbers as follow:

Model	XDSL	Remark
VR-3071v2	Yes	Market Segmentation.
VR-3073u		
PRT-6301v2	No	Market Segmentation.
WR-2411u		

Note:After engineering evaluation, VR-3071v2 are worst case , hence are used at test report.

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: 5470MHz -5725MHz: 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, "accessMTool ver. 3,1,0,1" under Windows OS system was executed to transmit and receive data via WLAN. (Non BeamForming)
- d. An executive program, "wl command" under Windows OS system was executed to transmit and receive data via WLAN. (BeamForming)
- e. The following test modes is VR-3071v2 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
6	802.11ax HE20 (7.3Mbps) , BeamForming
7	802.11ax HE40 (14.6Mbps) , BeamForming
8	802.11ax HE80 (30.6Mbps) , BeamForming
9	802.11ax HE160 (61.3Mbps) , BeamForming
caused "Test Mode 2,6" 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
6	802.11ax HE20 (7.3Mbps) , BeamForming
7	802.11ax HE40 (14.6Mbps) , BeamForming
8	802.11ax HE80 (30.6Mbps) , BeamForming
9	802.11ax HE160 (61.3Mbps) , BeamForming
caused "Test Mode 2,6" 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
6	802.11ax HE20 (7.3Mbps) , BeamForming
7	802.11ax HE40 (14.6Mbps) , BeamForming
8	802.11ax HE80 (30.6Mbps) , BeamForming
9	802.11ax HE160 (61.3Mbps) , BeamForming

caused "Test Mode 1~9" generated the worst case, they were reported as the final data.

Note: 1. The EUT has two types (with XDSL and non XDSL), After engineering evaluation, XDSL are worst case, hence, are used at test report.

2. There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.

(For Non BeamForming Mode):

AC Power Line Conducted Emission is AC 120V / 60Hz worst case.

Radiation Emissions (BELOW 1GHz) is AC 120V / 60Hz worst case.

(For BeamForming Mode):

AC Power Line Conducted Emission is AC 120V / 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	4TX
802.11n HT20	4TX
802.11n HT40	4TX
802.11ac VHT20	4TX
802.11ac VHT40	4TX
802.11ac VHT80	4TX
802.11ac VHT160	4TX
802.11ax HE20	4TX
802.11ax HE40	4TX
802.11ax HE80	4TX
802.11ax HE160	4TX



2.4. Description of Test System

Non BeamForming

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
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

BeamForming

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
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*2	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS

**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.	

Non BeamForming

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2022/12/06~2023/02/13	22~26.7°C / 45~64%	Leon Huang
Radiated Emissions	3M02-NK	2022/11/24~2022/11/29	21~24°C / 36~49%	Leon Huang
AC Power Line Conducted Emission	CON01-NK	2023/04/21	25°C / 55%	Leon Huang

BeamForming

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2022/12/27~2023/01/25	21.5~26.7°C / 45~59%	Leon Huang
Radiated Emissions	3M02-NK	2022/12/29~2022/12/30	22°C / 43~46%	Leon Huang
AC Power Line Conducted Emission	CON01-NK	2023/04/21	25°C / 55%	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)	±3.28dB
Radiated Spurious Emission(9KHz~30MHz)	±3.4dB
Radiated Spurious Emission(30MHz~1GHz)	±5.7dB
Radiated Spurious Emission(1GHz~40GHz)	±6.8dB
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	±1.2%
Frequency Stability	±0.21KHz



3. Test Equipment and Ancillaries Used for Tests

Non BeamForming

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	2022/04/22	2023/04/21
Active Loop Antenna	EMCO	6507	40855	2022/05/25	2023/05/24
Horn Antenna	EMCO	3115	31601	2022/10/12	2023/10/11
Horn Antenna	EMCO	3116	31970	2022/03/18	2023/03/17
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2022/07/05	2023/07/04
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	101329	2022/07/20	2023/07/19
Preamplifier	Agilent	8449B	3008A01954	2022/03/17	2023/03/16
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2022/11/11	2023/11/10
Preamplifier	EM Electronics corp.	EM330	60660	2022/04/08	2023/04/07
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2022/09/06	2023/09/05
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2022/03/21	2023/03/20
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2022/4/9	2023/4/8
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2022/4/9	2023/4/8
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50314	2022/4/9	2023/4/8
Cable-3m(1G-40G)	Rapidtek	40GHZ 300CM	38MS-38MS300314	2022/4/9	2023/4/8
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2022/01/11	2023/01/10
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2022/01/11	2023/01/10
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2022/04/25	2023/04/24
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA



BeamForming

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	2022/04/22	2023/04/21
Active Loop Antenna	EMCO	6507	40855	2022/05/25	2023/05/24
Horn Antenna	EMCO	3115	31601	2022/10/12	2023/10/11
Horn Antenna	EMCO	3116	31970	2022/03/18	2023/03/17
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2022/07/05	2023/07/04
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2022/08/19	2023/08/18
Preamplifier	Agilent	8449B	3008A01954	2022/03/17	2023/03/16
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2022/11/11	2023/11/10
Preamplifier	EM Electronics corp.	EM330	60660	2022/04/08	2023/04/07
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2022/09/06	2023/09/05
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2022/03/21	2023/03/20
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2022/01/11	2023/01/10
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2022/01/11	2023/01/10
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2022/04/25	2023/04/24
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2022/4/9	2023/4/8
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2022/4/9	2023/4/8
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50 314	2022/4/9	2023/4/8
Cable-3m(1G-40G)	Rapidtek	40GHZ 300CM	38MS-38MS30 0314	2022/4/9	2023/4/8
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
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2022/11/29	2023/11/28
Power Meter	Anritsu	ML2495A	1224005	2022/04/12	2023/04/11
Power Sensor	Anritsu	MA2411B	1207295	2022/04/12	2023/04/11
Attenuator	KEYSIGHT	8491B	MY39250703	2022/04/12	2023/04/11

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	101200	2022/08/22	2023/08/21
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-740	2022/08/21	2023/08/20
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101933	2022/09/29	2023/09/28
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2022/09/06	2023/09/05
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	Copper Tube Antenna (For ANT A & ANT B) PCB Tube Antenna (For ANT C & ANT D)
Antenna Gain	5150-5250MHz: ANT A: 4.63dBi, ANT B: 2.74dBi, ANT C: 2.87dBi, ANT D: 2.51dBi 5250-5350MHz: ANT A: 5.23dBi, ANT B: 3.13dBi, ANT C: 2.73dBi, ANT D: 2.59dBi 5470-5725MHz: ANT A: 6.57dBi, ANT B: 4.93dBi, ANT C: 2.21dBi, ANT D: 2.33dBi 5725-5850MHz: ANT A: 5.58dBi, ANT B: 3.45dBi, ANT C: 2.52dBi, ANT D: 2.05dBi

(Non-Beamforming)

5150MHz -5250MHz
For Power directional gain= 4.63 dBi For PSD directional gain = 4.63 dBi
5250MHz -5350MHz
For Power directional gain = 5.23dBi For PSD directional gain = 5.23 dBi
5470MHz -5725MHz
For Power directional gain=6.57 dBi For PSD directional gain = 6.57 dBi
5725MHz -5850MHz
For Power directional gain= 5.58dBi For PSD directional gain =5.58 dBi

* Power and PSD directional gain refer to PAG Gain Report.

(Beamforming)

5150MHz -5250MHz
For Power directional gain=4.63 dBi For PSD directional gain = 4.63 dBi
5250MHz -5350MHz
For Power directional gain= 5.23 dBi For PSD directional gain = 5.23 dBi
5470MHz -5725MHz
For Power directional gain= 6.57 dBi For PSD directional gain = 6.57 dBi
5725MHz -5850MHz
For Power directional gain=5.58 dBi For PSD directional gain = 5.58 dBi

* Power and PSD directional gain refer to PAG Gain Report.



5. Test of AC Power Line Conducted Emission

5.1. Test Limit

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

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

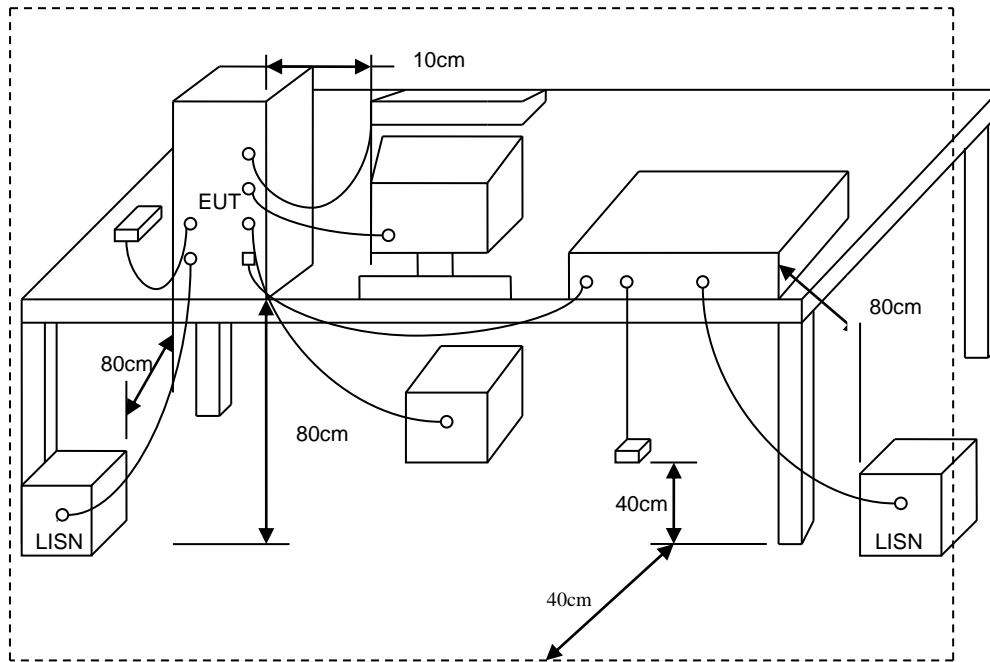
*Decreases with the logarithm of the frequency.

5.2. Test Procedures

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



5.3. Typical Test Setup

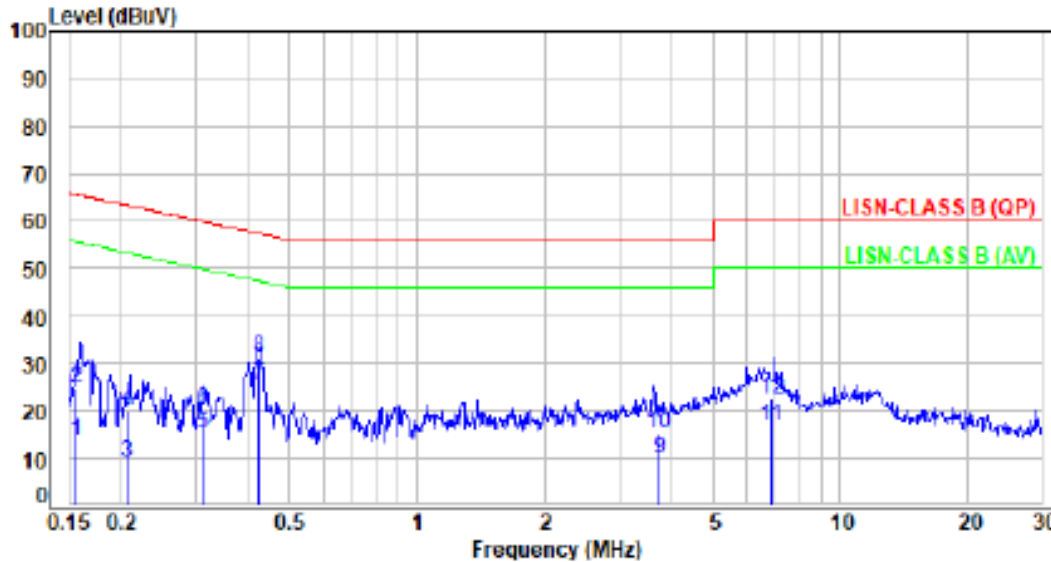




5.4. Test Result and Data

Non BeamForming

Power	: AC 120V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 2, CH149		:



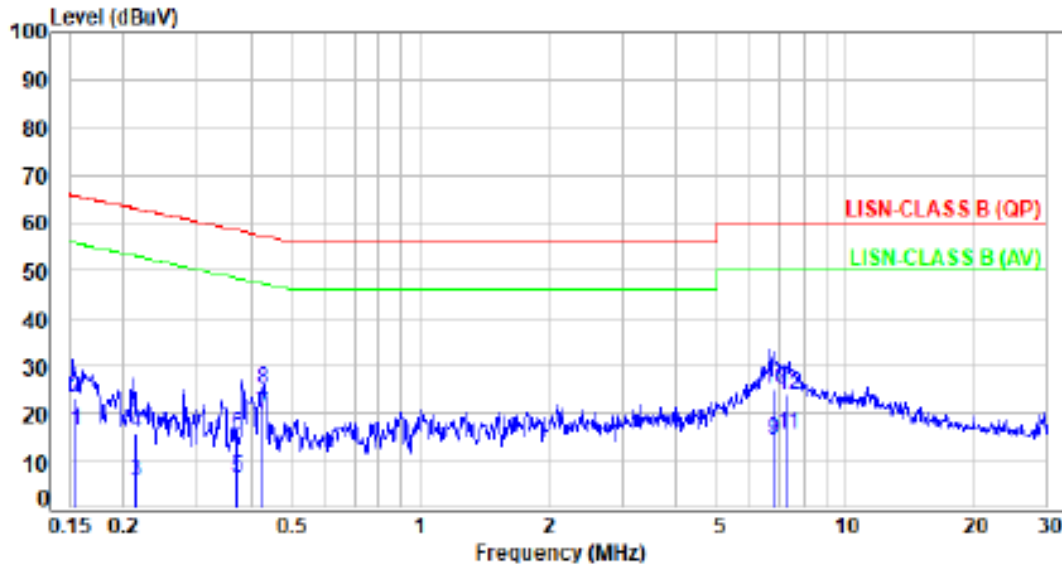
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.94	3.66	13.60	55.62	-42.02	Average	P
2	0.16	9.94	14.75	24.69	65.62	-40.93	QP	P
3	0.21	9.94	-0.89	9.05	53.36	-44.31	Average	P
4	0.21	9.94	10.04	19.98	63.36	-43.38	QP	P
5	0.31	9.95	5.26	15.21	49.90	-34.69	Average	P
6	0.31	9.95	10.30	20.25	59.90	-39.65	QP	P
7	0.42	9.96	15.41	25.37	47.38	-22.01	Average	P
8	0.42	9.96	21.07	31.03	57.38	-26.35	QP	P
9	3.72	10.13	-0.26	9.87	46.00	-36.13	Average	P
10	3.72	10.13	5.00	15.13	56.00	-40.87	QP	P
11	6.87	10.22	6.62	16.84	50.00	-33.16	Average	P
12	6.87	10.22	12.16	22.38	60.00	-37.62	QP	P

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



Non BeamForming

Power	: AC 120V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 2, CH149		



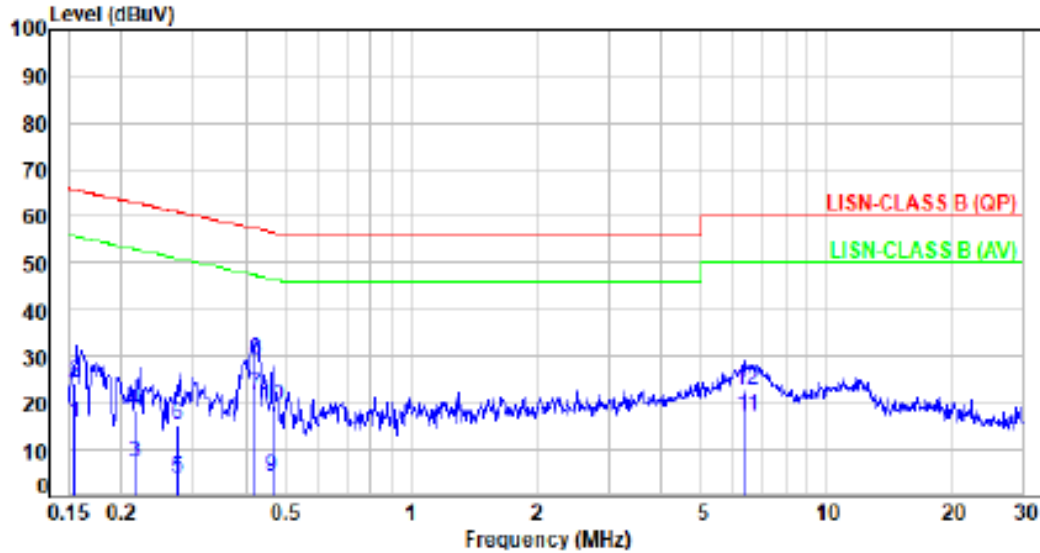
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.95	6.32	16.27	55.70	-39.43	Average	P
2	0.16	9.95	13.25	23.20	65.70	-42.50	QP	P
3	0.21	9.95	-4.14	5.81	53.01	-47.20	Average	P
4	0.21	9.95	6.19	16.14	63.01	-46.87	QP	P
5	0.37	9.96	-3.54	6.42	48.46	-42.04	Average	P
6	0.37	9.96	5.79	15.75	58.46	-42.71	QP	P
7	0.43	9.96	9.75	19.71	47.33	-27.62	Average	P
8	0.43	9.96	15.16	25.12	57.33	-32.21	QP	P
9	6.82	10.23	4.40	14.63	50.00	-35.37	Average	P
10	6.82	10.23	14.79	25.02	60.00	-34.98	QP	P
11	7.33	10.24	5.20	15.44	50.00	-34.56	Average	P
12	7.33	10.24	13.77	24.01	60.00	-35.99	QP	P

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



BeamForming

Power	: AC 120V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 6, CH48		:



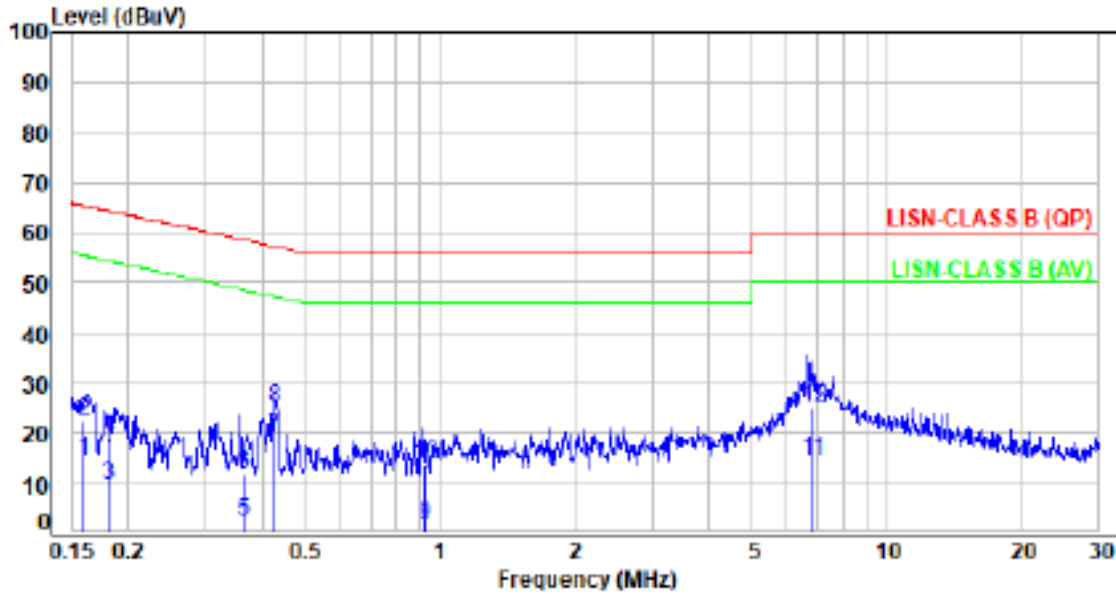
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.94	5.67	15.61	55.74	-40.13	Average	P
2	0.15	9.94	14.33	24.27	65.74	-41.47	QP	P
3	0.22	9.94	-2.60	7.34	52.99	-45.65	Average	P
4	0.22	9.94	8.29	18.23	62.99	-44.76	QP	P
5	0.27	9.94	-6.10	3.84	51.04	-47.20	Average	P
6	0.27	9.94	5.44	15.38	61.04	-45.66	QP	P
7	0.42	9.96	11.66	21.62	47.43	-25.81	Average	P
8	0.42	9.96	19.14	29.10	57.43	-28.33	QP	P
9	0.46	9.96	-5.91	4.05	46.64	-42.59	Average	P
10	0.46	9.96	9.60	19.56	56.64	-37.08	QP	P
11	6.43	10.21	6.84	17.05	50.00	-32.95	Average	P
12	6.43	10.21	12.49	22.70	60.00	-37.30	QP	P

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



BeamForming

Power	: AC 120V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 6, CH48		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.95	4.52	14.47	55.49	-41.02	Average	P
2	0.16	9.95	12.37	22.32	65.49	-43.17	QP	P
3	0.18	9.95	-0.49	9.46	54.41	-44.95	Average	P
4	0.18	9.95	8.87	18.82	64.41	-45.59	QP	P
5	0.36	9.96	-7.50	2.46	48.64	-46.18	Average	P
6	0.36	9.96	1.71	11.67	58.64	-46.97	QP	P
7	0.43	9.96	9.51	19.47	47.32	-27.85	Average	P
8	0.43	9.96	15.16	25.12	57.32	-32.20	QP	P
9	0.93	10.00	-8.41	1.59	46.00	-44.41	Average	P
10	0.93	10.00	3.59	13.59	56.00	-42.41	QP	P
11	6.85	10.23	4.26	14.49	50.00	-35.51	Average	P
12	6.85	10.23	14.79	25.02	60.00	-34.98	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 27 dBm/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.

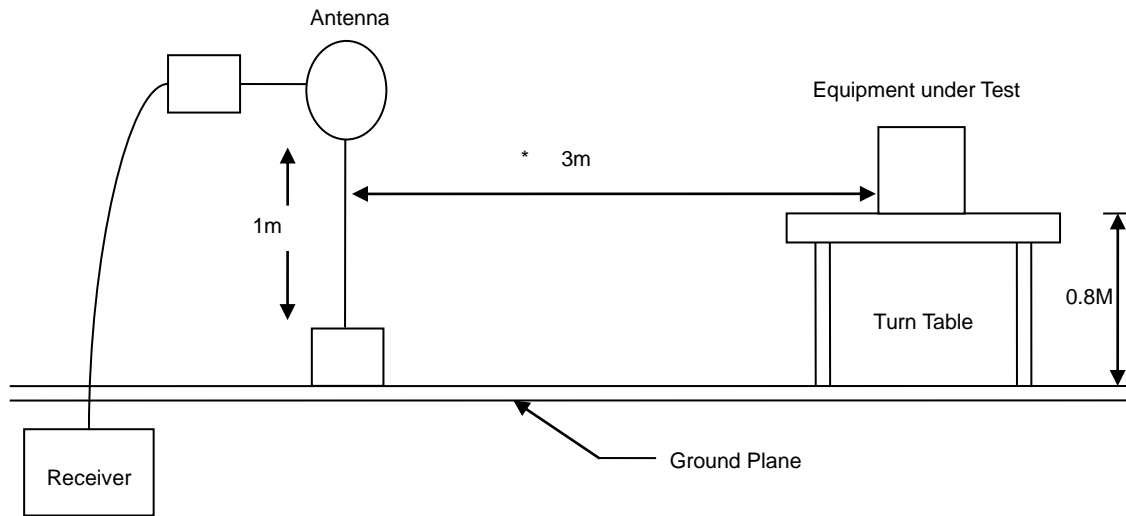
Note:

- 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.

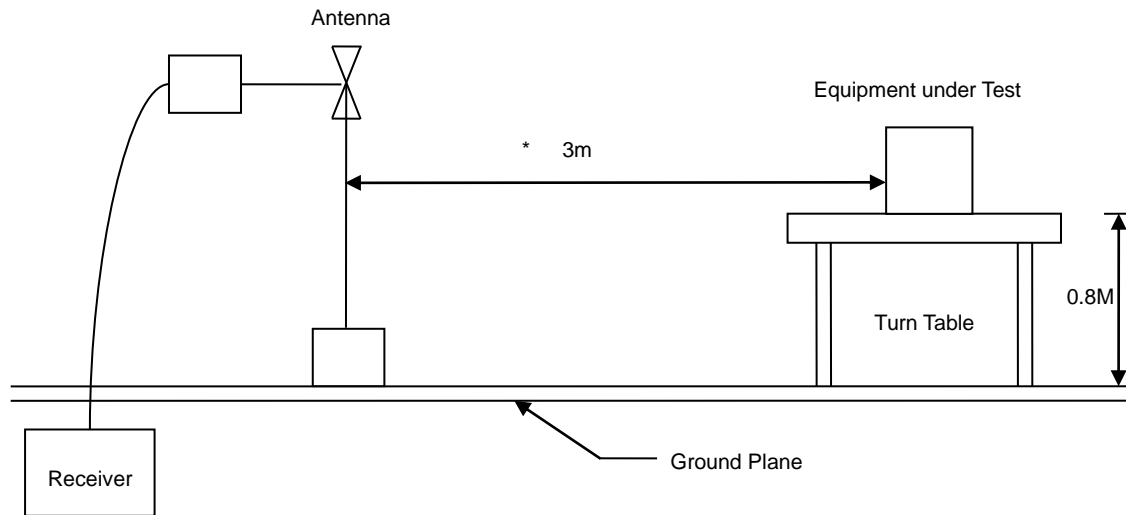


6.3. Typical Test Setup

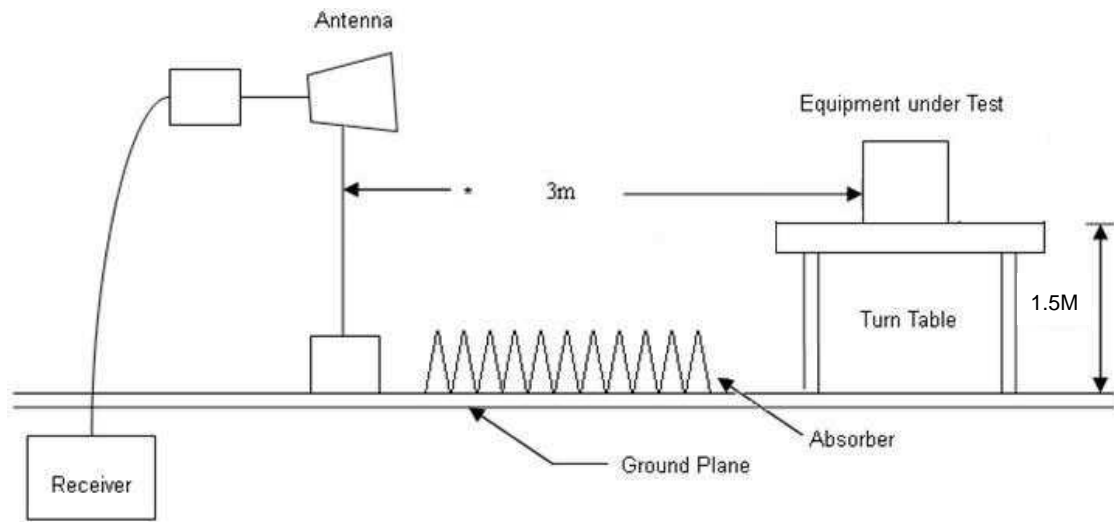
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup





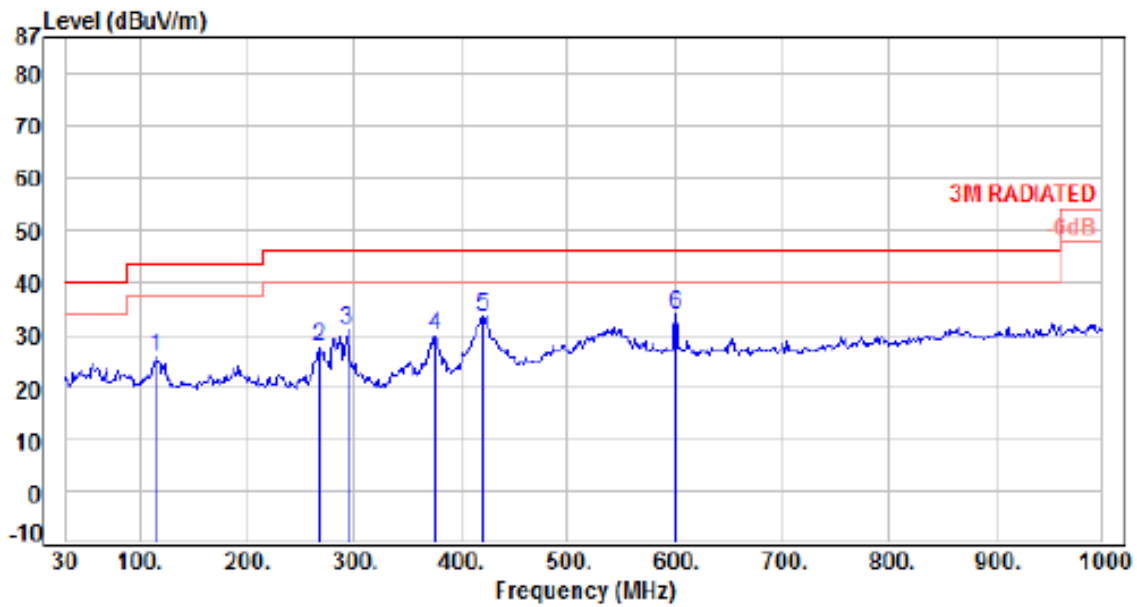
6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

Non-Beamforming

Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH149		:



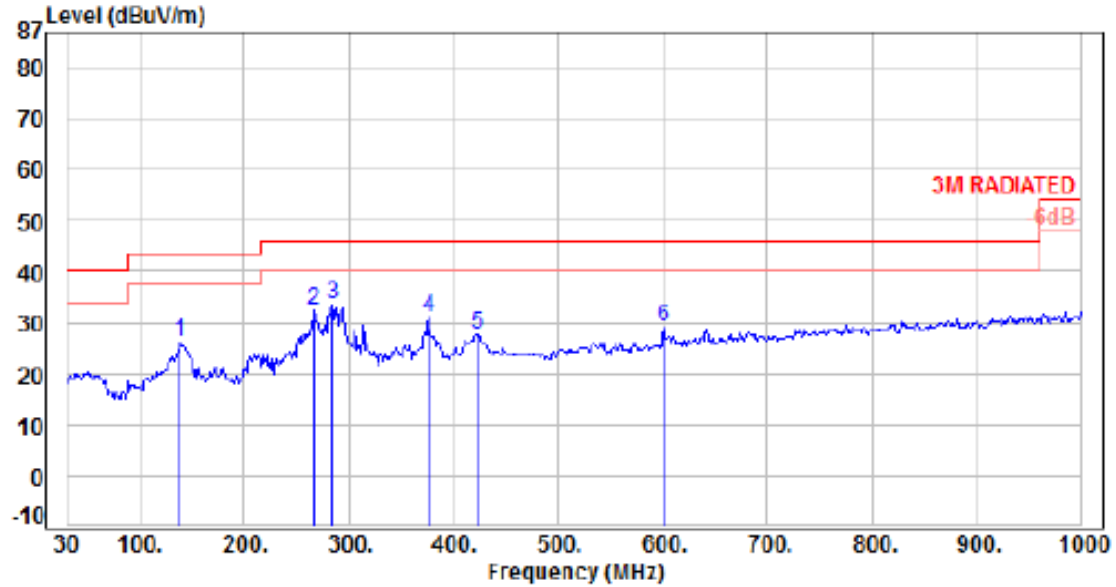
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	115.36	-11.65	37.39	25.74	43.50	-17.76	Peak	400	0	P
2	268.62	-9.39	37.07	27.68	46.00	-18.32	Peak	400	0	P
3	293.84	-8.46	39.35	30.89	46.00	-15.11	Peak	400	0	P
4	375.32	-6.19	36.18	29.99	46.00	-16.01	Peak	400	0	P
5	419.94	-4.89	38.32	33.43	46.00	-12.57	Peak	400	0	P
6	600.36	-0.78	34.79	34.01	46.00	-11.99	Peak	400	0	P

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



Non-Beamforming

Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH149		:



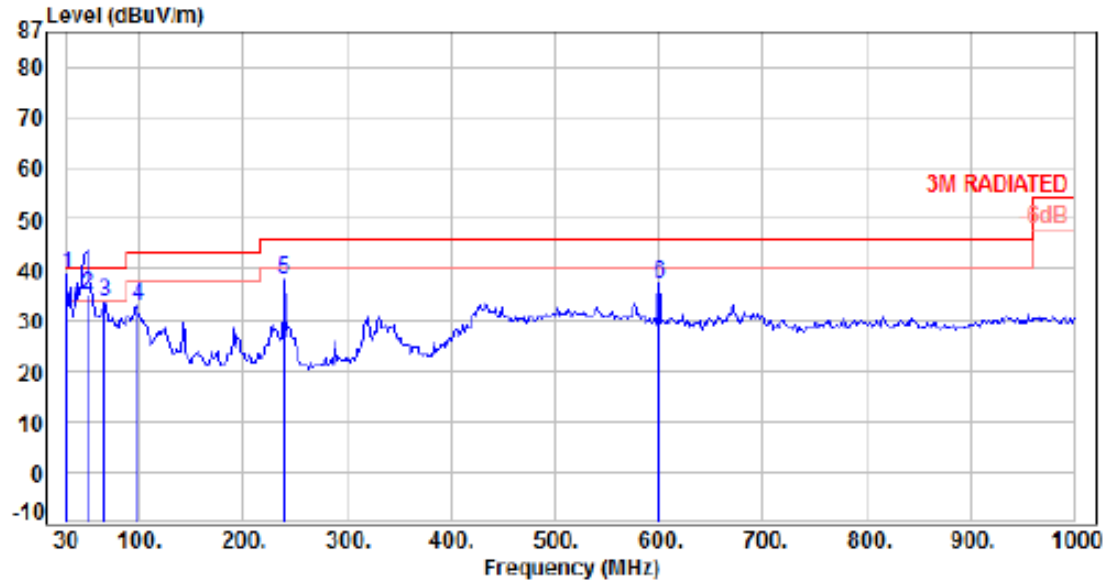
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	138.64	-9.61	35.93	26.32	43.50	-17.18	Peak	400	0	P
2	266.68	-9.47	41.77	32.30	46.00	-13.70	Peak	400	0	P
3	284.14	-8.72	42.19	33.47	46.00	-12.53	Peak	400	0	P
4	375.32	-6.19	37.29	31.10	46.00	-14.90	Peak	400	0	P
5	421.88	-4.87	32.67	27.80	46.00	-18.20	Peak	400	0	P
6	600.36	-0.78	29.91	29.13	46.00	-16.87	Peak	400	0	P

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



Beamforming

Power	: AC 240V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, CH48		:



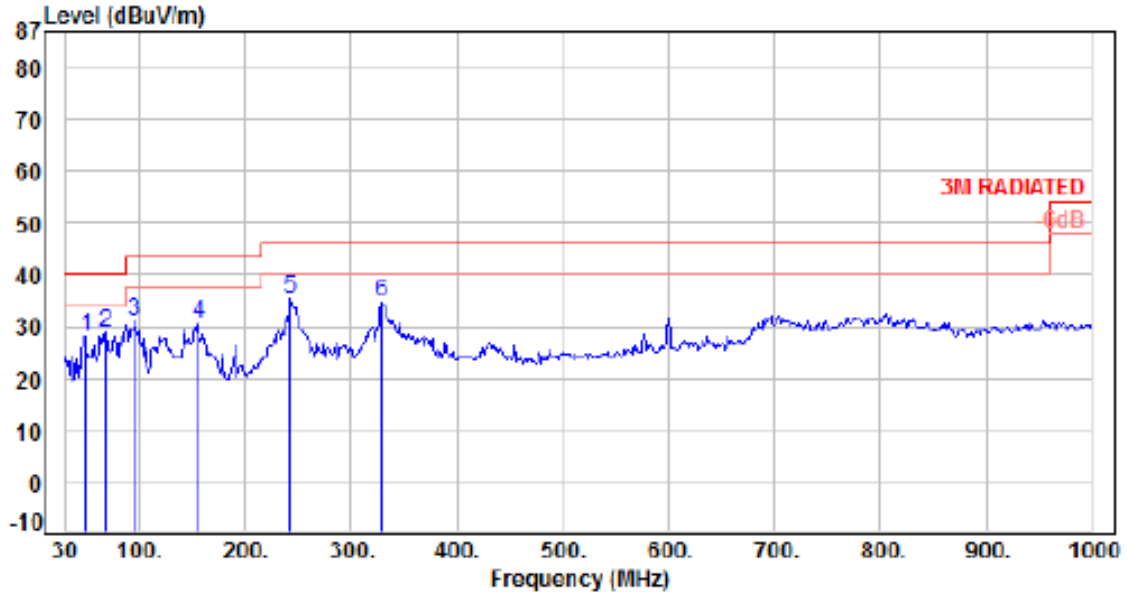
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.58	-11.67	50.69	39.02	40.00	-0.98	QP	100	56	P
2	49.72	-10.05	44.90	34.85	40.00	-5.15	QP	100	0	P
3	66.86	-11.74	45.14	33.40	40.00	-6.60	Peak	400	0	P
4	97.90	-14.86	47.49	32.63	43.50	-10.87	Peak	400	0	P
5	239.52	-11.78	49.75	37.97	46.00	-8.03	Peak	400	0	P
6	600.36	-1.59	38.91	37.32	46.00	-8.68	Peak	400	0	P

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



Beamforming

Power	: AC 240V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH48		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	49.40	-10.00	37.99	27.99	40.00	-12.01	Peak	400	0	P
2	67.83	-11.54	40.18	28.64	40.00	-11.36	Peak	400	0	P
3	95.96	-15.00	45.61	30.61	43.50	-12.69	Peak	400	0	P
4	156.10	-9.99	40.49	30.50	43.50	-13.00	Peak	400	0	P
5	243.40	-11.41	46.61	35.20	46.00	-10.80	Peak	400	0	P
6	328.76	-8.13	42.61	34.48	46.00	-11.52	Peak	400	0	P

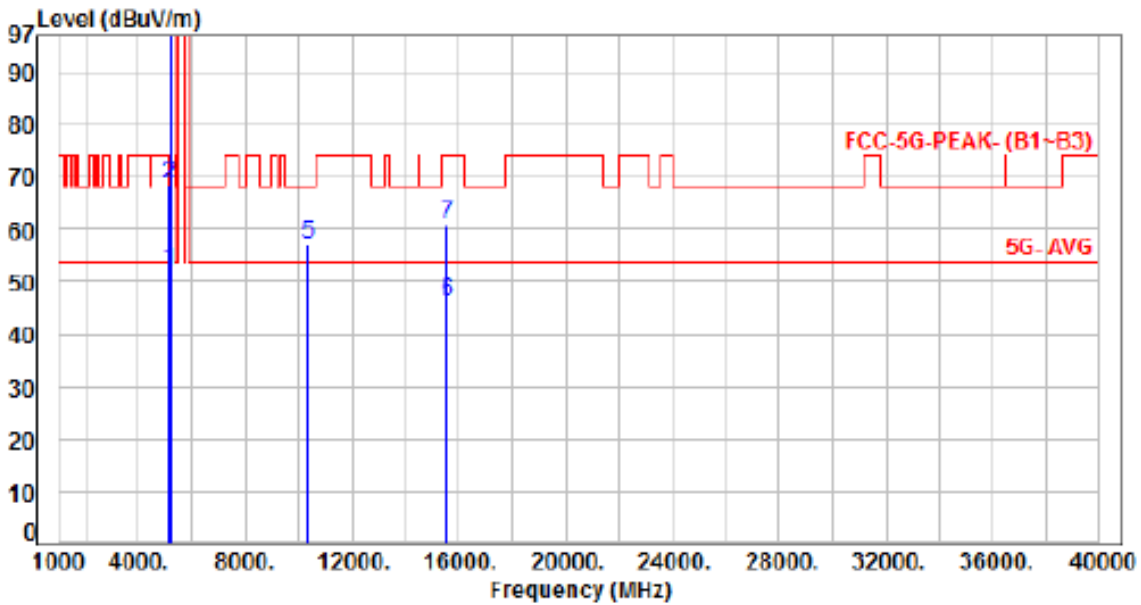
Note: Level=Reading+Factor
Margin=Level-limit
Factor=Antenna Factor + cable loss - Amplifier Factor



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

Non-Beamforming

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



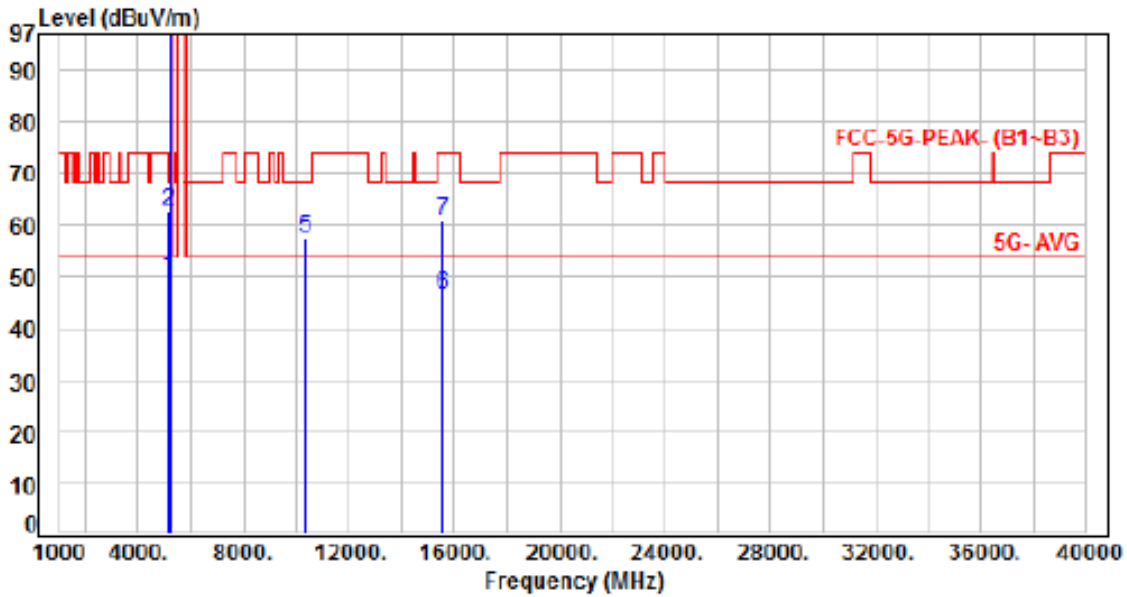
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	45.92	52.13	54.00	-1.87	Average	100	142	P
2	5150.00	6.21	62.49	68.70	74.00	-5.30	Peak	100	142	P
3	5180.00	6.29	101.76	108.05	200.00	-91.95	Average	100	142	P
4	5180.00	6.29	113.03	119.32	200.00	-80.68	Peak	100	142	P
5	10360.00	13.73	43.44	57.17	68.20	-11.03	Peak	100	189	P
6	15540.00	16.41	29.77	46.18	54.00	-7.82	Average	100	287	P
7	15540.00	16.41	44.31	60.72	74.00	-13.28	Peak	100	287	P

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



Non-Beamforming

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	6.21	43.47	49.68	54.00	-4.32	Average	288	89	P
2	5150.00	6.21	56.52	62.73	74.00	-11.27	Peak	288	89	P
3	5180.00	6.29	101.70	107.99	200.00	-92.01	Average	288	89	P
4	5180.00	6.29	112.99	119.28	200.00	-80.72	Peak	288	89	P
5	10360.00	13.73	43.88	57.61	68.20	-10.59	Peak	100	218	P
6	15540.00	16.41	29.90	46.31	54.00	-7.69	Average	100	237	P
7	15540.00	16.41	44.36	60.77	74.00	-13.23	Peak	100	237	P

Note: Level=Reading+Factor

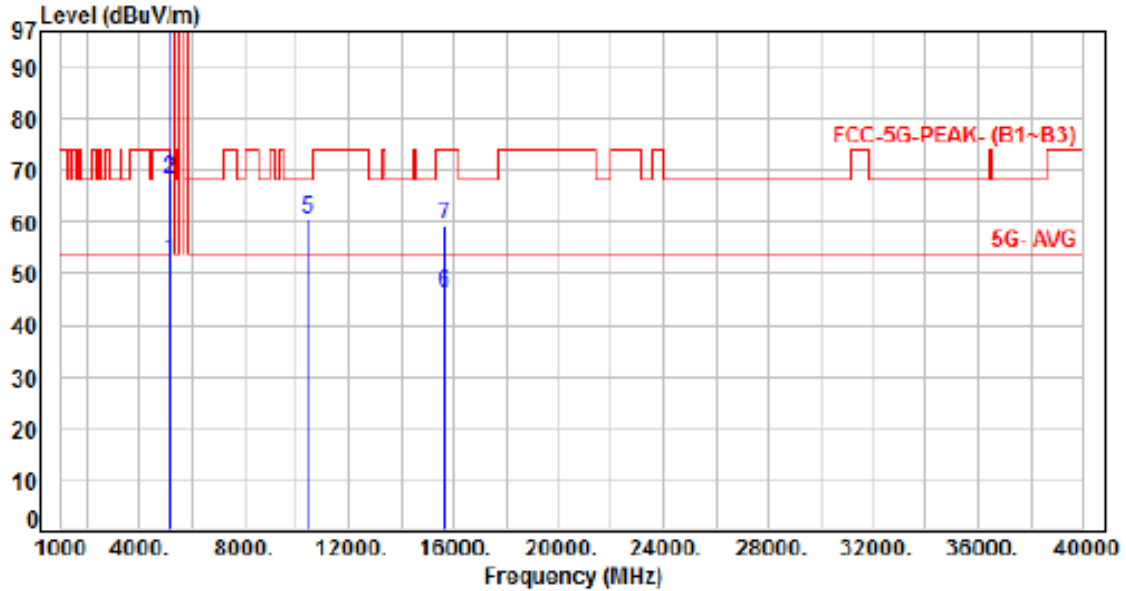
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non-Beamforming

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



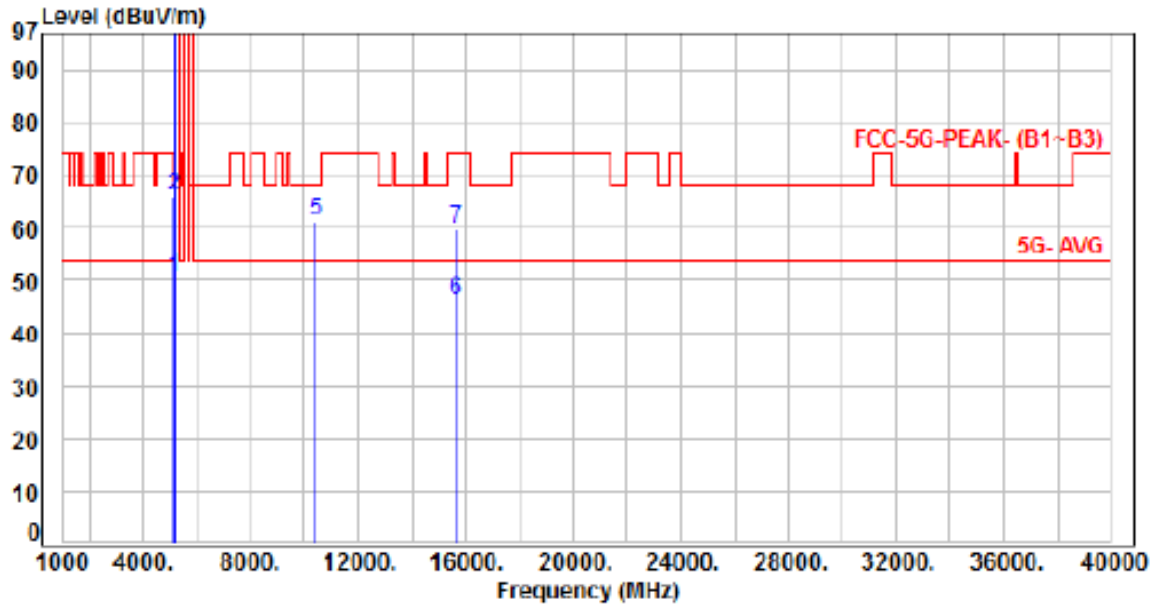
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	46.01	52.22	54.00	-1.78	Average	100	134	P
2	5150.00	6.21	62.09	68.30	74.00	-5.70	Peak	100	134	P
3	5200.00	6.34	105.71	112.05	200.00	-87.95	Average	100	134	P
4	5200.00	6.34	116.95	123.29	200.00	-76.71	Peak	100	134	P
5	10400.00	13.77	46.58	60.35	68.20	-7.85	Peak	190	268	P
6	15600.00	16.33	29.64	45.97	54.00	-8.03	Average	100	283	P
7	15600.00	16.33	43.23	59.56	74.00	-14.44	Peak	100	283	P

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



Non-Beamforming

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



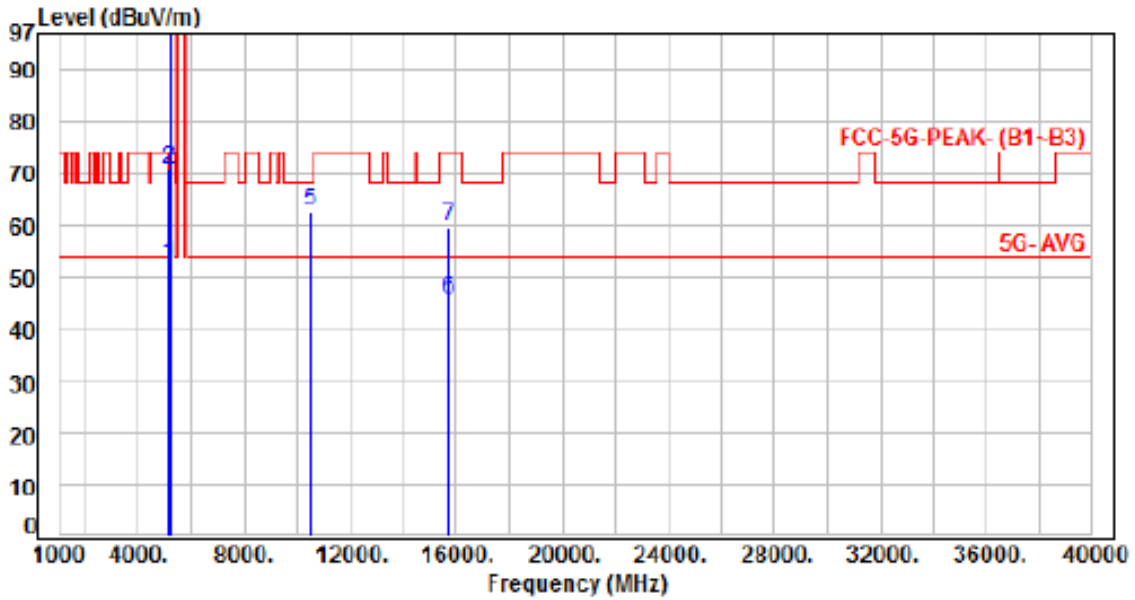
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	44.21	50.42	54.00	-3.58	Average	295	87	P
2	5150.00	6.21	59.72	65.93	74.00	-8.07	Peak	295	87	P
3	5200.00	6.34	105.63	111.97	200.00	-88.03	Average	295	87	P
4	5200.00	6.34	116.85	123.19	200.00	-76.81	Peak	295	87	P
5	10400.00	13.77	47.32	61.09	68.20	-7.11	Peak	238	333	P
6	15600.00	16.33	29.74	46.07	54.00	-7.93	Average	100	199	P
7	15600.00	16.33	43.44	59.77	74.00	-14.23	Peak	100	199	P

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



Non-Beamforming

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



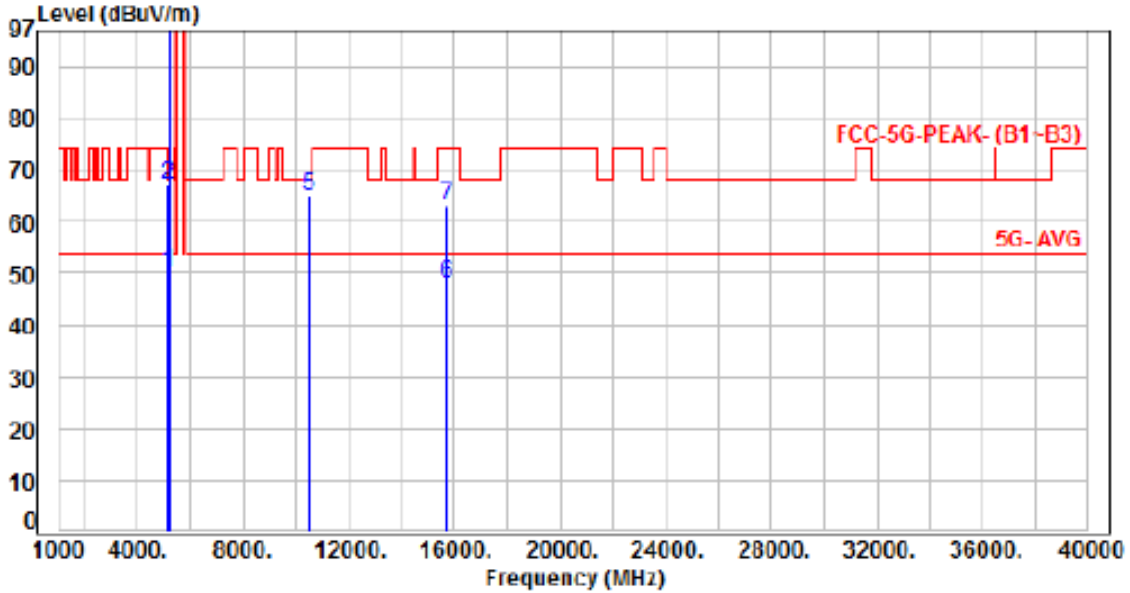
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	46.21	52.42	54.00	-1.58	Average	100	142	P
2	5150.00	6.21	64.52	70.73	74.00	-3.27	Peak	100	142	P
3	5240.00	6.46	108.95	115.41	200.00	-84.59	Average	100	142	P
4	5240.00	6.46	119.77	126.23	200.00	-73.77	Peak	100	142	P
5	10480.00	13.89	48.72	62.61	68.20	-5.59	Peak	190	274	P
6	15720.00	15.62	30.01	45.63	54.00	-8.37	Average	100	222	P
7	15720.00	15.62	44.11	59.73	74.00	-14.27	Peak	100	222	P

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



Non-Beamforming

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



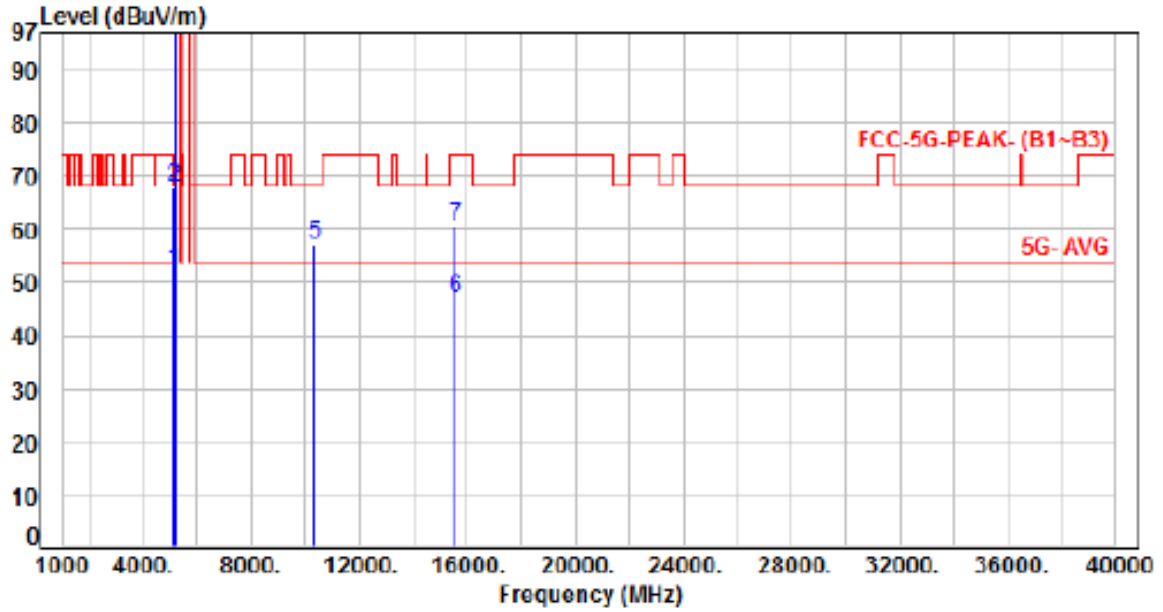
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	43.86	50.07	54.00	-3.93	Average	253	89	P
2	5150.00	6.21	60.86	67.07	74.00	-6.93	Peak	253	89	P
3	5240.00	6.46	107.79	114.25	200.00	-85.75	Average	253	89	P
4	5240.00	6.46	118.79	125.25	200.00	-74.75	Peak	253	89	P
5	10480.00	13.89	50.97	64.86	68.20	-3.34	Peak	261	337	P
6	15720.00	15.62	32.30	47.92	54.00	-6.08	Average	214	204	P
7	15720.00	15.62	47.41	63.03	74.00	-10.97	Peak	214	204	P

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



Non-Beamforming

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



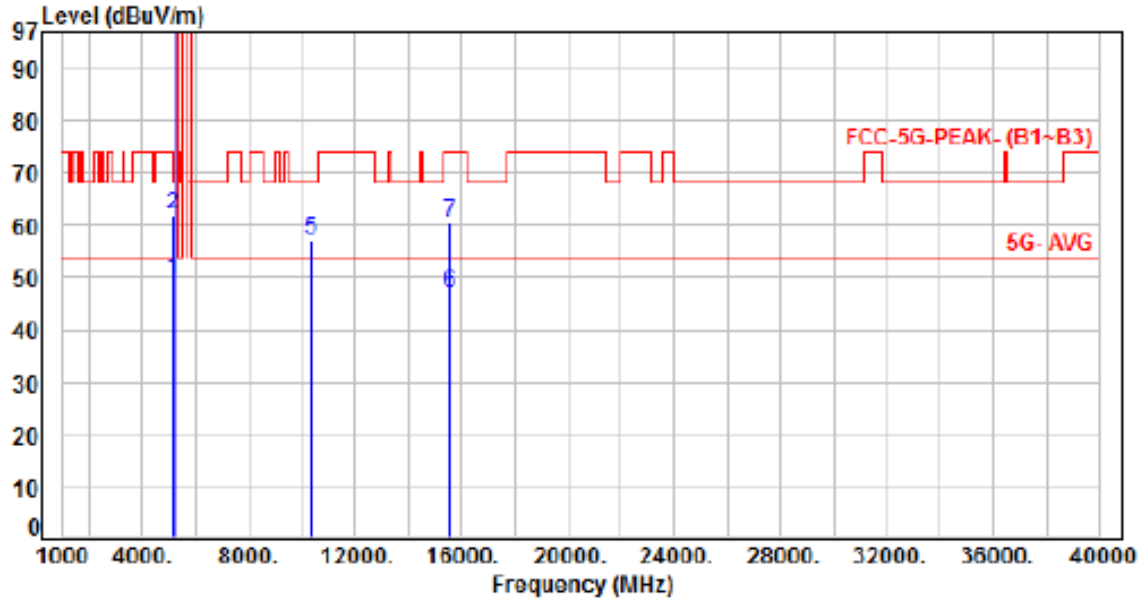
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	45.95	52.16	54.00	-1.84	Average	113	135	P
2	5150.00	6.21	61.55	67.76	74.00	-6.24	Peak	113	135	P
3	5180.00	6.29	101.97	108.26	200.00	-91.74	Average	113	135	P
4	5180.00	6.29	115.17	121.46	200.00	-78.54	Peak	113	135	P
5	10360.00	13.73	43.44	57.17	68.20	-11.03	Peak	100	236	P
6	15540.00	16.41	30.36	46.77	54.00	-7.23	Average	100	288	P
7	15540.00	16.41	43.94	60.35	74.00	-13.65	Peak	100	288	P

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



Non-Beamforming

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	6.21	43.33	49.54	54.00	-4.46	Average	282	84	P
2	5150.00	6.21	55.60	61.81	74.00	-12.19	Peak	282	84	P
3	5180.00	6.29	100.23	106.52	200.00	-93.48	Average	282	84	P
4	5180.00	6.29	110.25	116.54	200.00	-83.46	Peak	282	84	P
5	10360.00	13.73	43.54	57.27	68.20	-10.93	Peak	100	271	P
6	15540.00	16.41	30.46	46.87	54.00	-7.13	Average	100	233	P
7	15540.00	16.41	44.09	60.50	74.00	-13.50	Peak	100	233	P

Note: Level=Reading+Factor

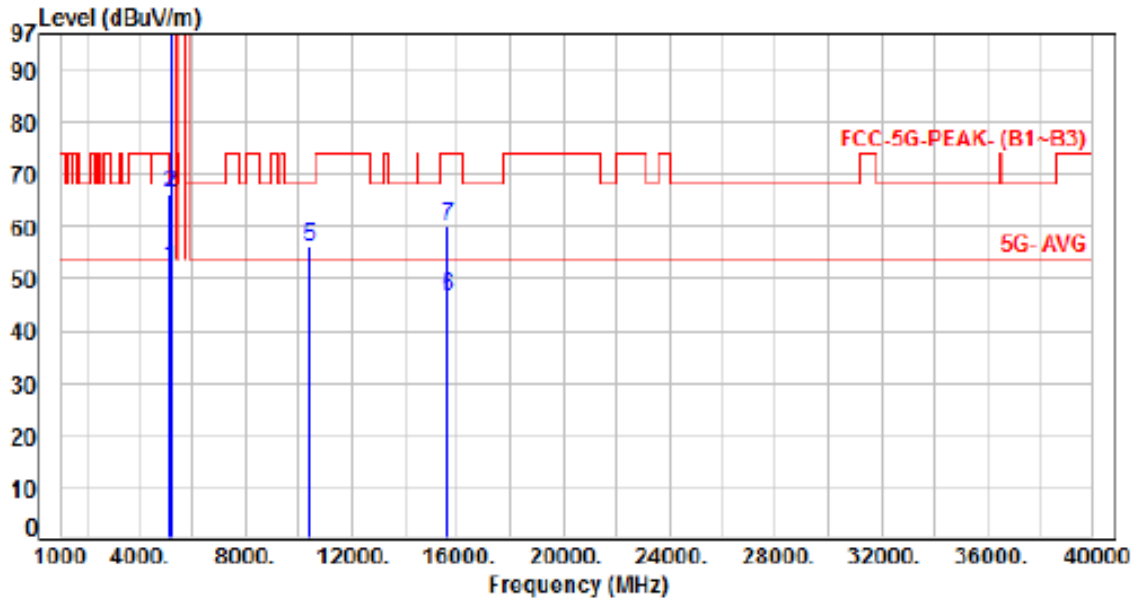
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non-Beamforming

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	6.21	45.91	52.12	54.00	-1.88	Average	100	134	P
2	5150.00	6.21	60.07	66.28	74.00	-7.72	Peak	100	134	P
3	5200.00	6.34	106.33	112.67	200.00	-87.33	Average	100	134	P
4	5200.00	6.34	110.87	125.21	200.00	-74.79	Peak	100	134	P
5	10400.00	13.77	42.38	56.15	68.20	-12.05	Peak	100	215	P
6	15600.00	16.33	30.17	46.50	54.00	-7.50	Average	100	221	P
7	15600.00	16.33	43.93	60.26	74.00	-13.74	Peak	100	221	P

Note: Level=Reading+Factor

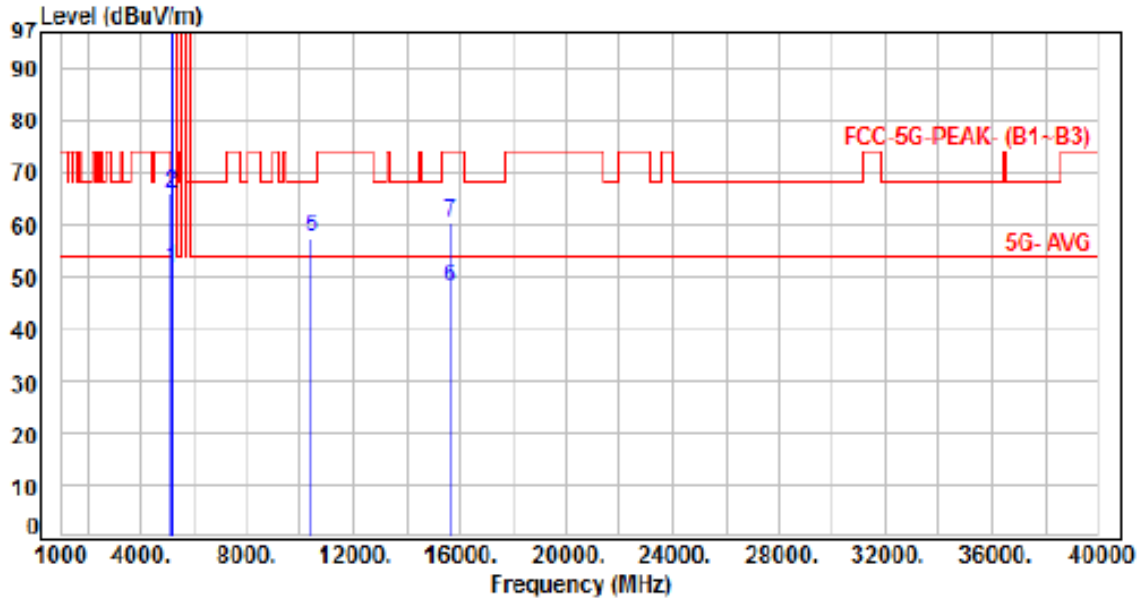
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non-Beamforming

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



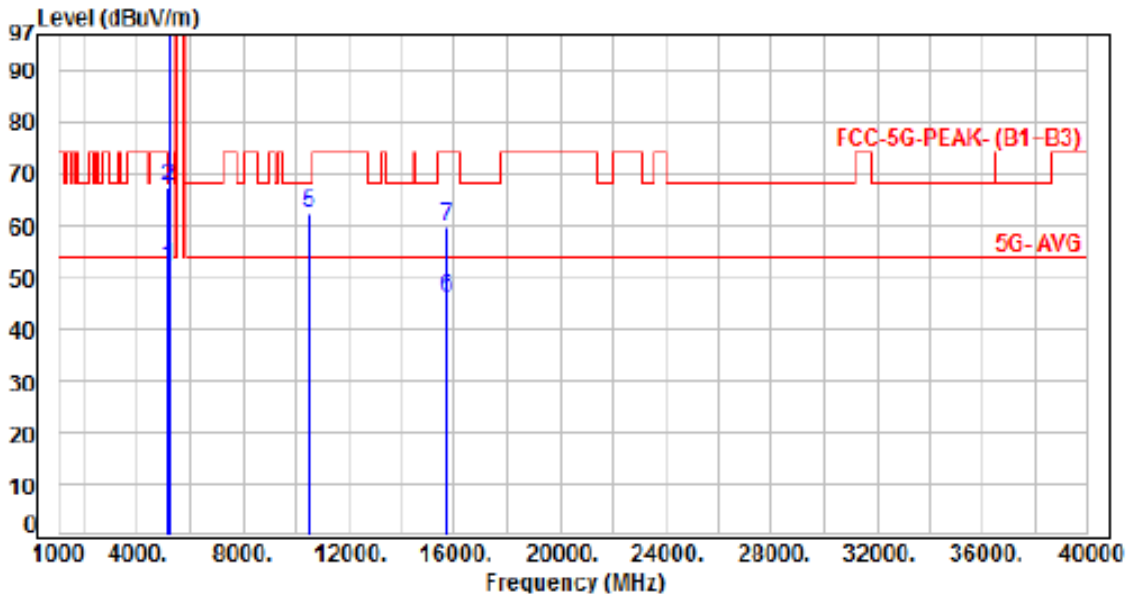
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	45.28	51.49	54.00	-2.51	Average	215	94	P
2	5150.00	6.21	59.99	66.20	74.00	-7.80	Peak	215	94	P
3	5200.00	6.34	104.42	110.76	200.00	-89.24	Average	215	94	P
4	5200.00	6.34	116.67	123.01	200.00	-76.99	Peak	215	94	P
5	10400.00	13.77	43.60	57.37	68.20	-10.83	Peak	200	195	P
6	15600.00	16.33	31.48	47.81	54.00	-6.19	Average	100	189	P
7	15600.00	16.33	44.31	60.64	74.00	-13.36	Peak	100	189	P

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



Non-Beamforming

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



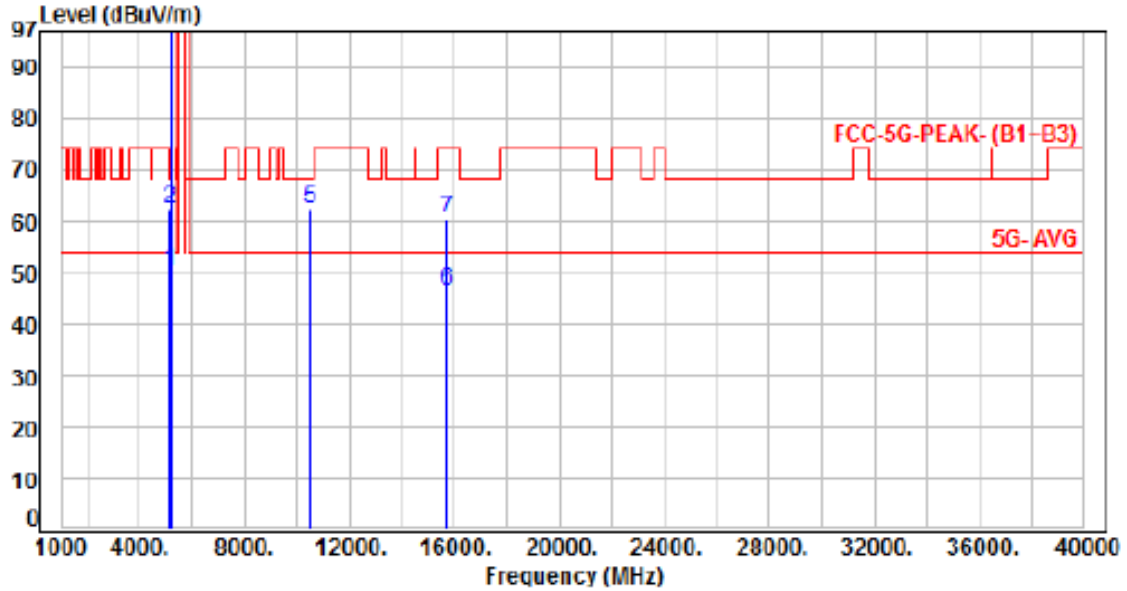
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	45.86	52.07	54.00	-1.93	Average	141	141	P
2	5150.00	6.21	61.21	67.42	74.00	-6.58	Peak	141	141	P
3	5240.00	6.46	108.44	114.90	200.00	-85.10	Average	141	141	P
4	5240.00	6.46	121.25	127.71	200.00	-72.29	Peak	141	141	P
5	10480.00	13.89	48.47	62.36	68.20	-5.84	Peak	184	283	P
6	15720.00	15.62	30.56	46.18	54.00	-7.82	Average	100	219	P
7	15720.00	15.62	44.04	59.66	74.00	-14.34	Peak	100	219	P

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



Non-Beamforming

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



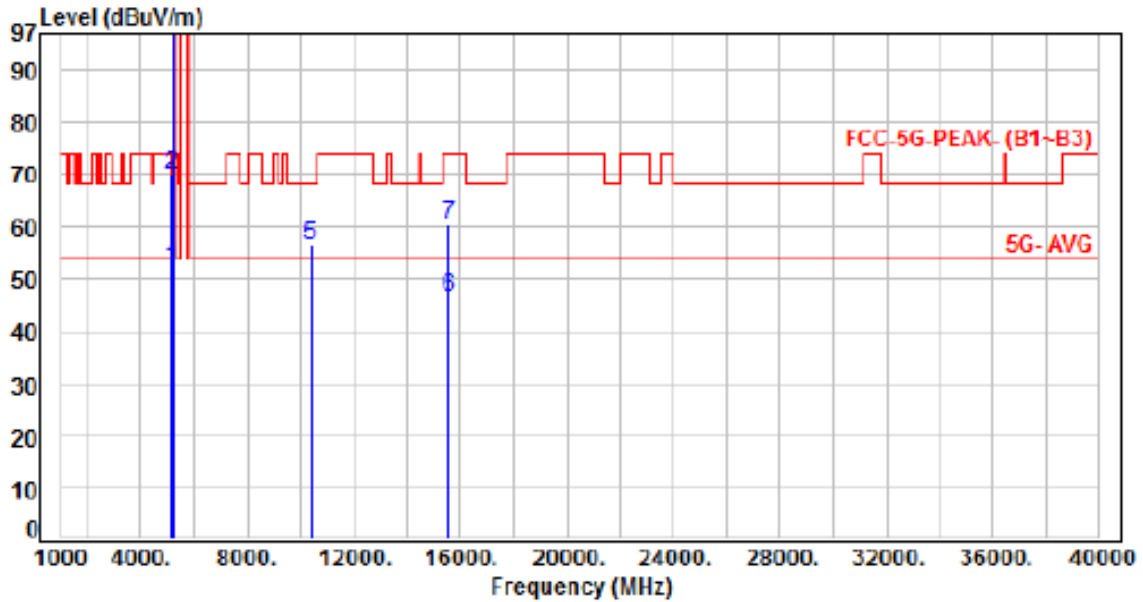
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	44.08	50.29	54.00	-3.71	Average	217	93	P
2	5150.00	6.21	56.15	62.36	74.00	-11.64	Peak	217	93	P
3	5240.00	6.46	107.35	113.81	200.00	-86.19	Average	217	93	P
4	5240.00	6.46	117.18	123.64	200.00	-76.36	Peak	217	93	P
5	10480.00	13.89	48.60	62.49	68.20	-5.71	Peak	227	102	P
6	15720.00	15.62	30.98	46.60	54.00	-7.40	Average	100	236	P
7	15720.00	15.62	44.79	60.41	74.00	-13.59	Peak	100	236	P

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



Non-Beamforming

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	6.21	45.80	52.01	54.00	-1.99	Average	134	142	P
2	5150.00	6.21	63.80	70.01	74.00	-3.99	Peak	134	142	P
3	5190.00	6.32	97.80	104.12	200.00	-95.88	Average	134	142	P
4	5190.00	6.32	110.16	116.48	200.00	-83.52	Peak	134	142	P
5	10380.00	13.76	42.62	56.38	68.20	-11.82	Peak	100	241	P
6	15570.00	16.37	30.22	46.59	54.00	-7.41	Average	100	233	P
7	15570.00	16.37	44.15	60.52	74.00	-13.48	Peak	100	233	P

Note: Level=Reading+Factor

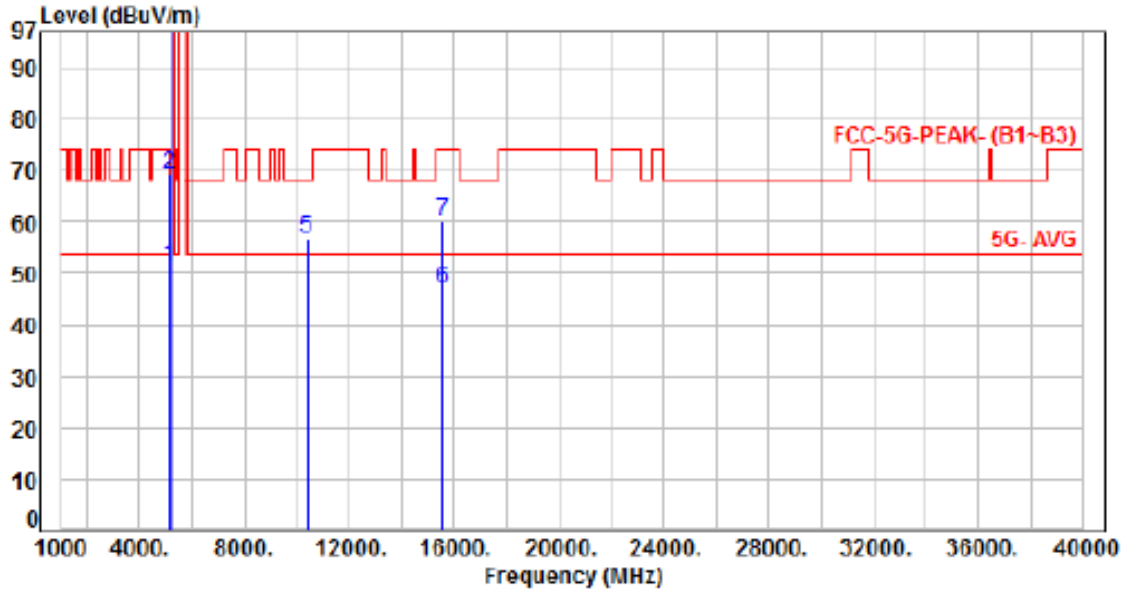
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non-Beamforming

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



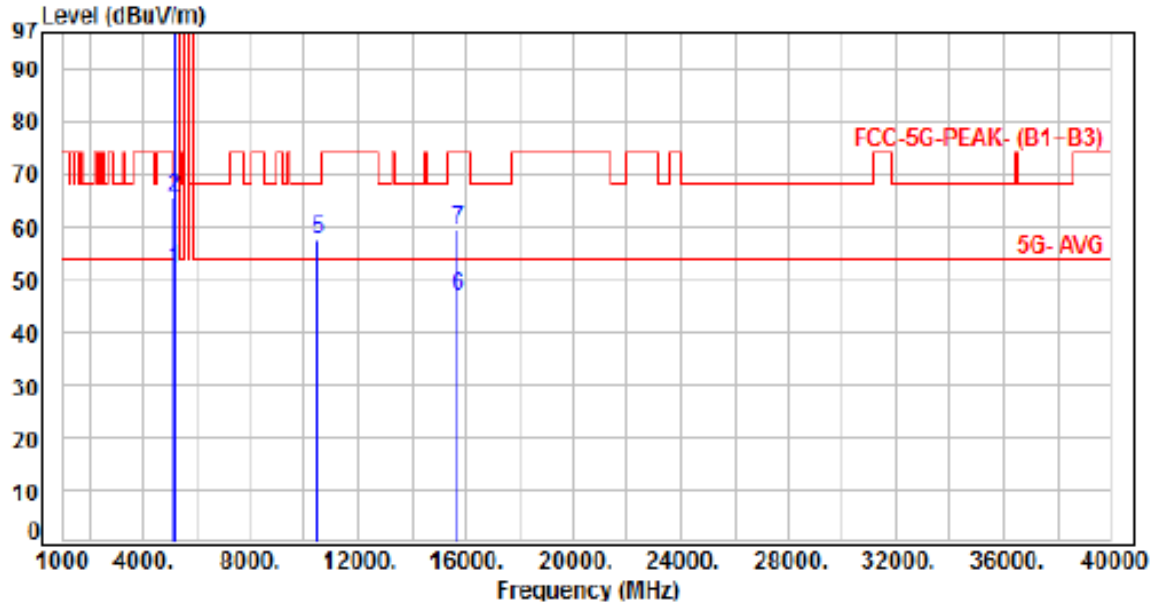
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	44.90	51.11	54.00	-2.89	Average	295	88	P
2	5150.00	6.21	63.13	69.34	74.00	-4.66	Peak	295	88	P
3	5190.00	6.32	96.11	102.43	200.00	-97.57	Average	295	88	P
4	5190.00	6.32	108.21	114.53	200.00	-85.47	Peak	295	88	P
5	10380.00	13.76	43.21	56.97	68.20	-11.23	Peak	100	288	P
6	15570.00	16.37	30.34	46.71	54.00	-7.29	Average	100	259	P
7	15570.00	16.37	43.72	60.09	74.00	-13.91	Peak	100	259	P

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



Non-Beamforming

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



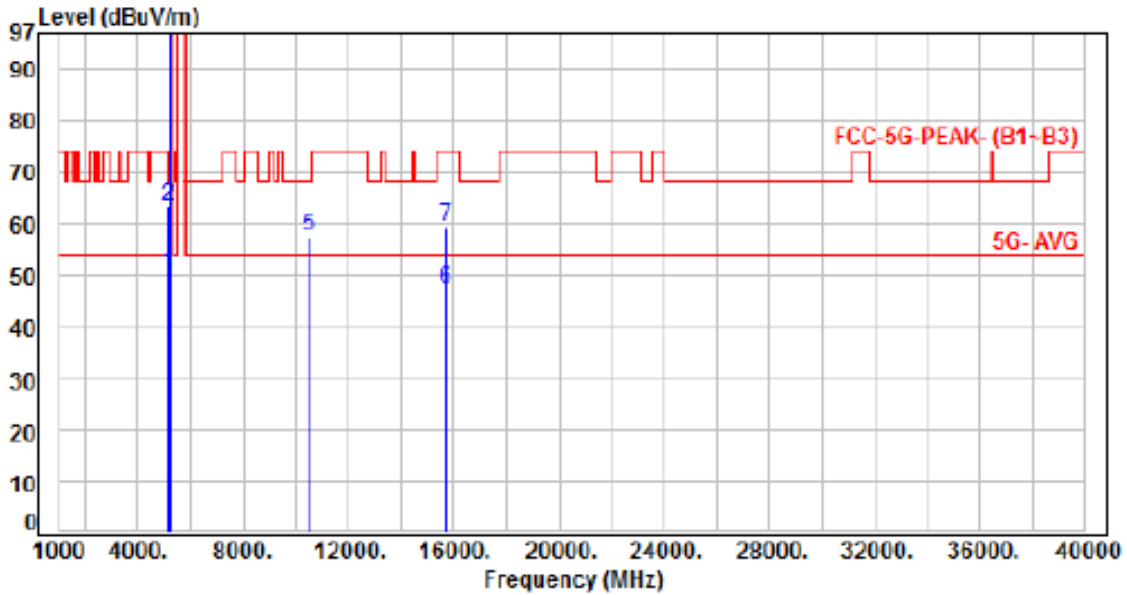
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	45.83	52.04	54.00	-1.96	Average	124	136	P
2	5150.00	6.21	59.60	65.81	74.00	-8.19	Peak	124	136	P
3	5230.00	6.44	101.85	108.29	200.00	-91.71	Average	124	136	P
4	5230.00	6.44	113.41	119.85	200.00	-80.15	Peak	124	136	P
5	10460.00	13.86	43.62	57.48	68.20	-10.72	Peak	100	239	P
6	15690.00	15.67	31.26	46.93	54.00	-7.07	Average	100	294	P
7	15690.00	15.67	43.76	59.43	74.00	-14.57	Peak	100	294	P

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



Non-Beamforming

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



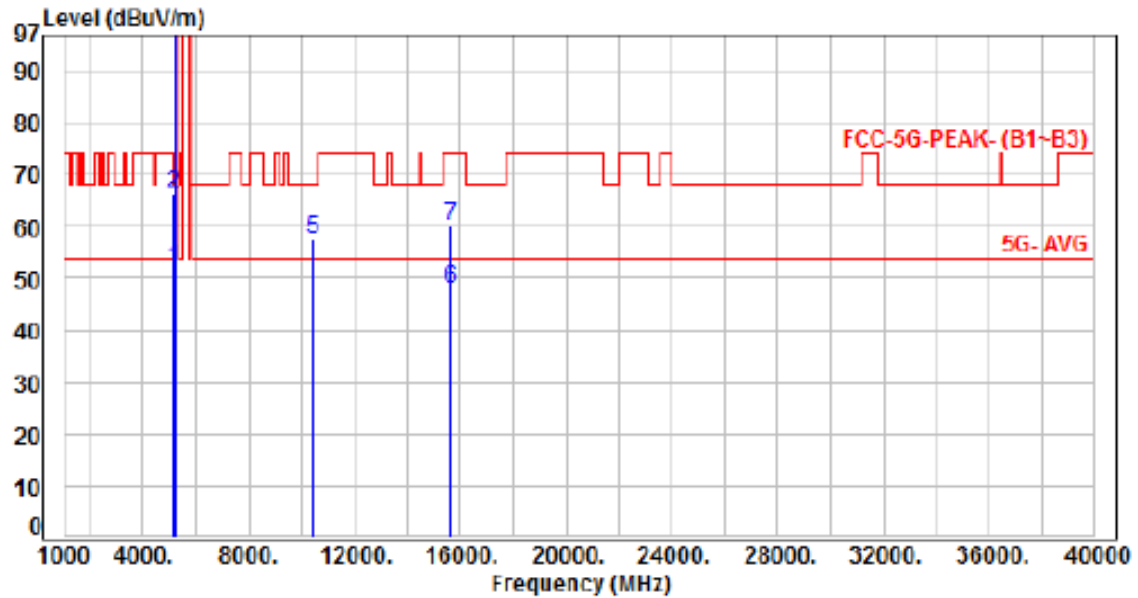
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	43.95	50.16	54.00	-3.84	Average	215	100	P
2	5150.00	6.21	57.11	63.32	74.00	-10.68	Peak	215	100	P
3	5230.00	6.44	99.22	105.66	200.00	-94.34	Average	215	100	P
4	5230.00	6.44	109.31	115.75	200.00	-84.25	Peak	215	100	P
5	10460.00	13.86	43.79	57.65	68.20	-10.55	Peak	100	181	P
6	15690.00	15.67	31.71	47.38	54.00	-6.62	Average	100	244	P
7	15690.00	15.67	43.86	59.53	74.00	-14.47	Peak	100	244	P

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



Non-Beamforming

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



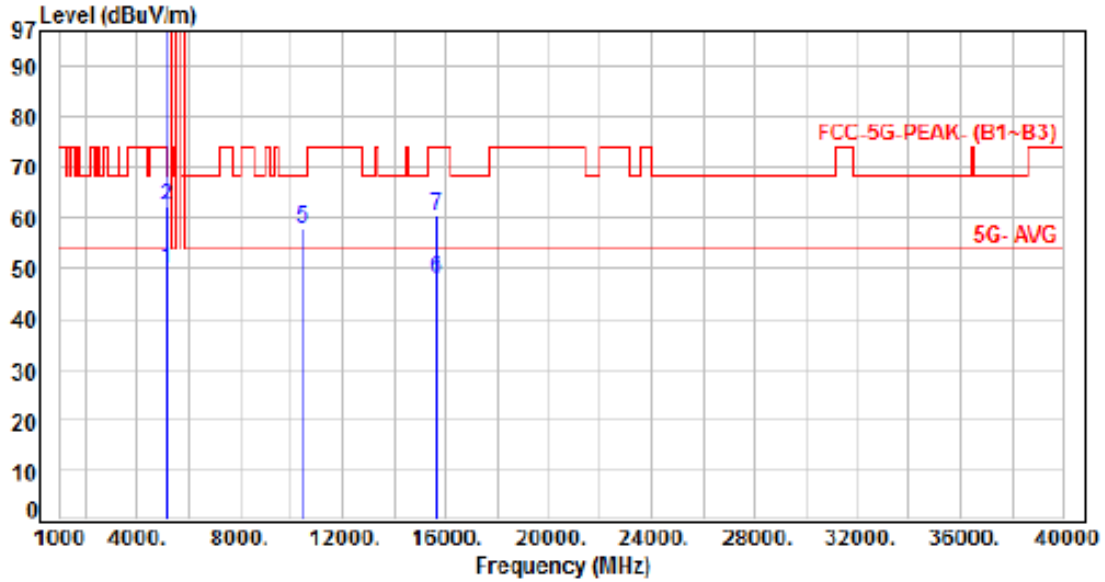
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	45.81	52.02	54.00	-1.98	Average	100	138	P
2	5150.00	6.21	60.06	66.27	74.00	-7.73	Peak	100	138	P
3	5210.00	6.38	93.93	100.31	200.00	-99.69	Average	100	138	P
4	5210.00	6.38	104.79	111.17	200.00	-88.83	Peak	100	138	P
5	10420.00	13.80	43.73	57.53	68.20	-10.67	Peak	100	264	P
6	15630.00	16.10	31.70	47.80	54.00	-6.20	Average	100	277	P
7	15630.00	16.10	43.84	59.94	74.00	-14.06	Peak	100	277	P

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



Non-Beamforming

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



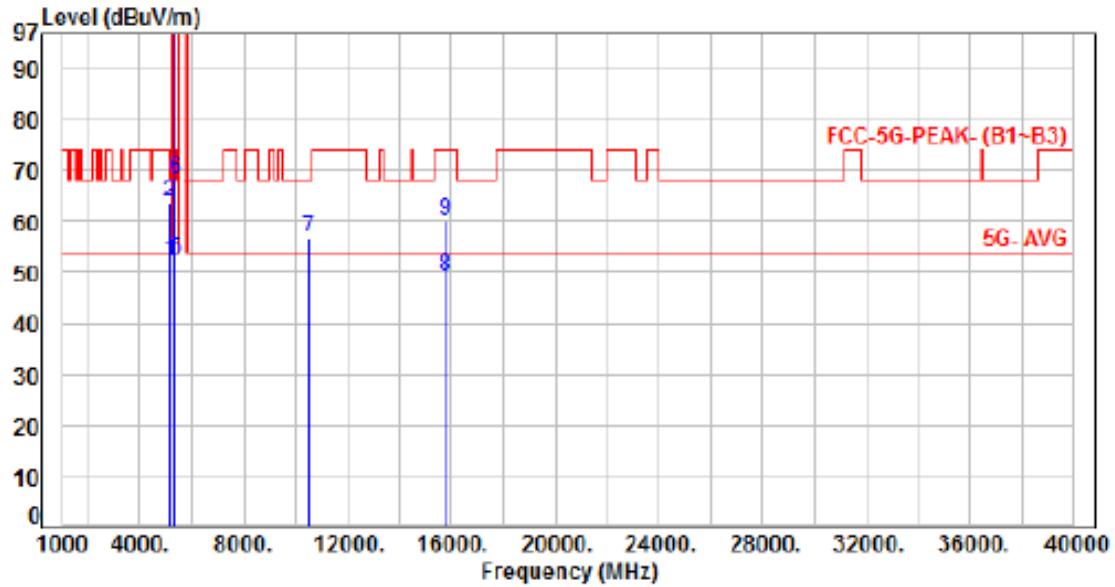
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	43.44	49.65	54.00	-4.35	Average	400	69	P
2	5150.00	6.21	56.21	62.42	74.00	-11.58	Peak	400	69	P
3	5210.00	6.38	92.73	99.11	200.00	-100.89	Average	400	69	P
4	5210.00	6.38	104.47	110.85	200.00	-89.15	Peak	400	69	P
5	10420.00	13.80	44.02	57.82	68.20	-10.38	Peak	100	214	P
6	15630.00	16.10	31.80	47.90	54.00	-6.10	Average	100	78	P
7	15630.00	16.10	44.32	60.42	74.00	-13.58	Peak	100	78	P

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



Non-Beamforming

Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 1, CH50		



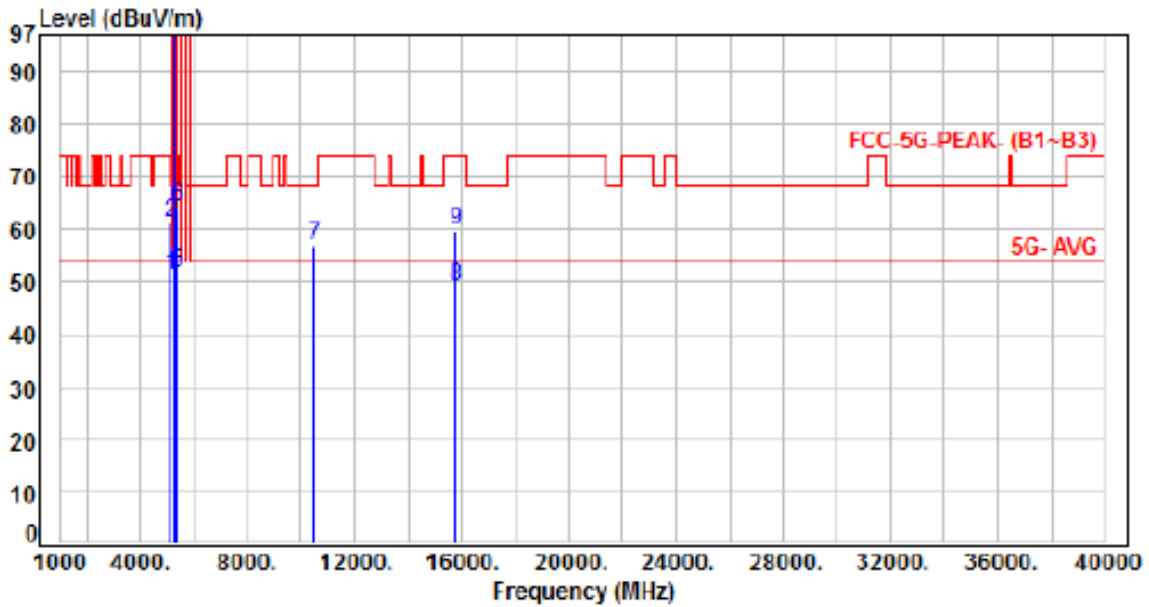
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	45.81	52.02	54.00	-1.98	Average	100	137	P
2	5150.00	6.21	57.44	63.65	74.00	-10.35	Peak	100	137	P
3	5250.00	6.49	101.01	107.50	200.00	-92.50	Average	100	137	P
4	5250.00	6.49	112.20	118.69	200.00	-81.31	Peak	100	137	P
5	5350.00	6.57	45.80	52.37	54.00	-1.63	Average	100	137	P
6	5350.00	6.57	61.57	68.14	74.00	-5.86	Peak	100	137	P
7	10500.00	13.92	42.84	56.76	68.20	-11.44	Peak	203	290	P
8	15750.00	15.67	33.30	48.97	54.00	-5.03	Average	100	31	P
9	15750.00	15.67	44.37	60.04	74.00	-13.96	Peak	100	31	P

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



Non-Beamforming

Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 1, CH50		:



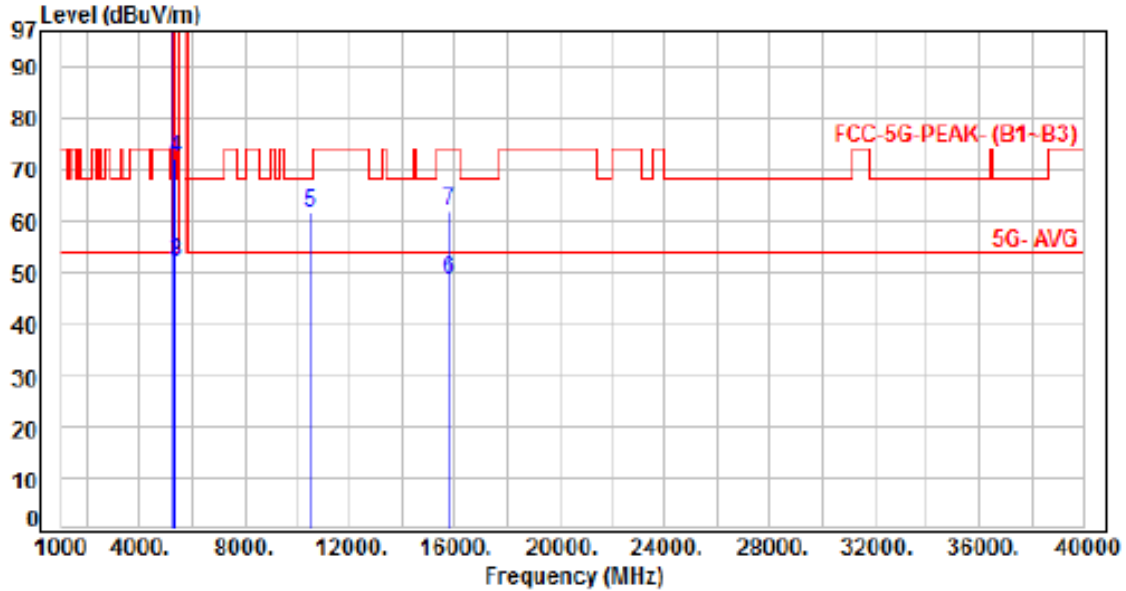
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	45.19	51.40	54.00	-2.60	Average	154	85	P
2	5150.00	6.21	55.11	61.32	74.00	-12.68	Peak	154	85	P
3	5250.00	6.49	89.09	95.58	200.00	-104.42	Average	154	85	P
4	5250.00	6.49	101.18	107.67	200.00	-92.33	Peak	154	85	P
5	5350.00	6.57	45.00	51.57	54.00	-2.43	Average	154	85	P
6	5350.00	6.57	57.64	64.21	74.00	-9.79	Peak	154	85	P
7	10500.00	13.92	43.04	56.96	68.20	-11.24	Peak	100	339	P
8	15750.00	15.67	33.30	48.97	54.00	-5.03	Average	100	37	P
9	15750.00	15.67	43.96	59.63	74.00	-14.37	Peak	100	37	P

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



Non-Beamforming

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



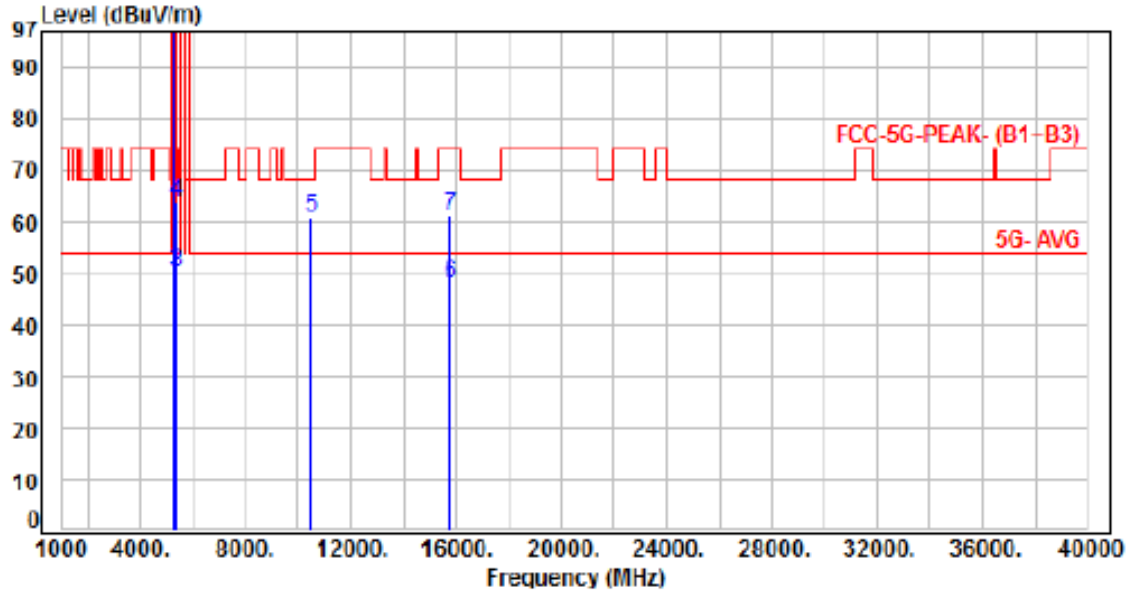
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	6.52	108.28	114.80	200.00	-85.20	Average	100	127	P
2	5260.00	6.52	118.65	125.17	200.00	-74.83	Peak	100	127	P
3	5350.00	6.57	45.59	52.16	54.00	-1.84	Average	100	127	P
4	5350.00	6.57	65.80	72.37	74.00	-1.63	Peak	100	127	P
5	10520.00	13.94	47.63	61.57	68.20	-6.63	Peak	100	286	P
6	15780.00	15.71	32.97	48.68	54.00	-5.32	Average	100	120	P
7	15780.00	15.71	46.25	61.96	74.00	-12.04	Peak	100	120	P

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



Non-Beamforming

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



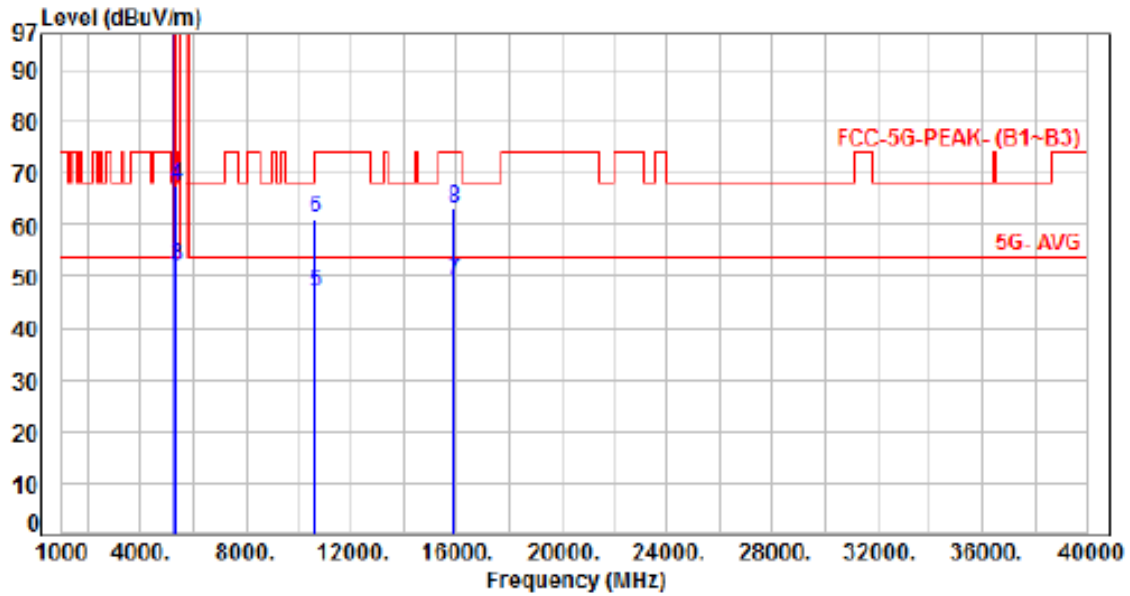
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	6.52	107.17	113.69	200.00	-86.31	Average	288	92	P
2	5260.00	6.52	117.78	124.30	200.00	-75.70	Peak	288	92	P
3	5350.00	6.57	43.62	50.19	54.00	-3.81	Average	288	92	P
4	5350.00	6.57	57.15	63.72	74.00	-10.28	Peak	288	92	P
5	10520.00	13.94	46.73	60.67	68.20	-7.53	Peak	150	292	P
6	15780.00	15.71	32.12	47.83	54.00	-6.17	Average	100	246	P
7	15780.00	15.71	45.56	61.27	74.00	-12.73	Peak	100	246	P

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



Non-Beamforming

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



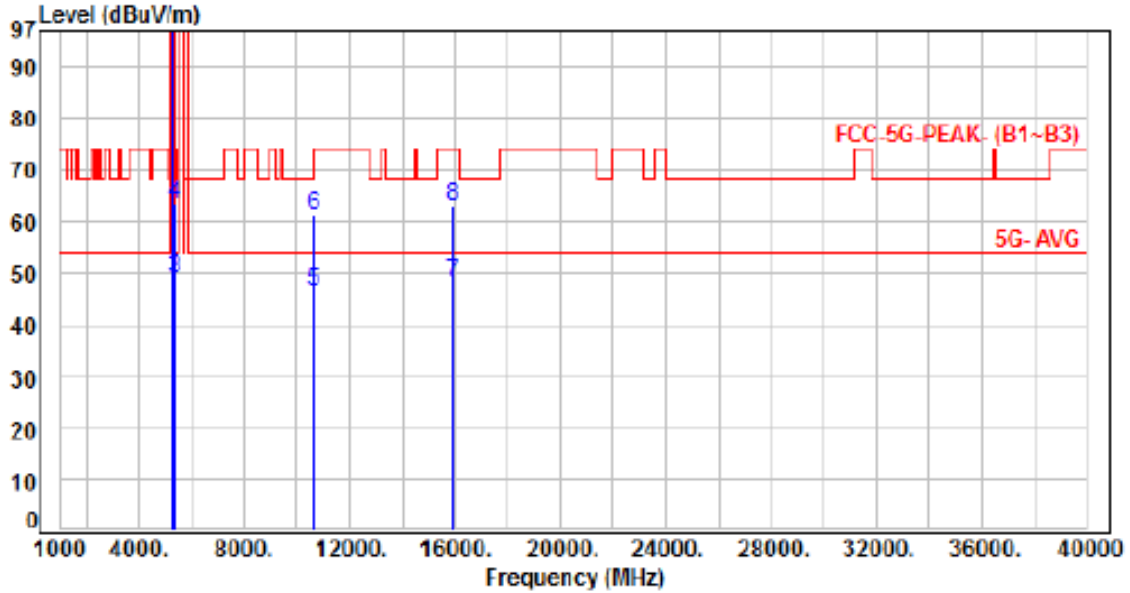
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	6.64	105.19	111.83	200.00	-88.17	Average	100	141	P
2	5300.00	6.64	115.96	122.60	200.00	-77.40	Peak	100	141	P
3	5350.00	6.57	45.60	52.17	54.00	-1.83	Average	100	141	P
4	5350.00	6.57	60.98	67.55	74.00	-6.45	Peak	100	141	P
5	10600.00	14.04	32.82	46.86	54.00	-7.14	Average	105	286	P
6	10600.00	14.04	47.33	61.37	74.00	-12.63	Peak	105	286	P
7	15900.00	15.80	33.23	49.03	54.00	-4.97	Average	100	116	P
8	15900.00	15.80	47.41	63.21	74.00	-10.79	Peak	100	116	P

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



Non-Beamforming

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



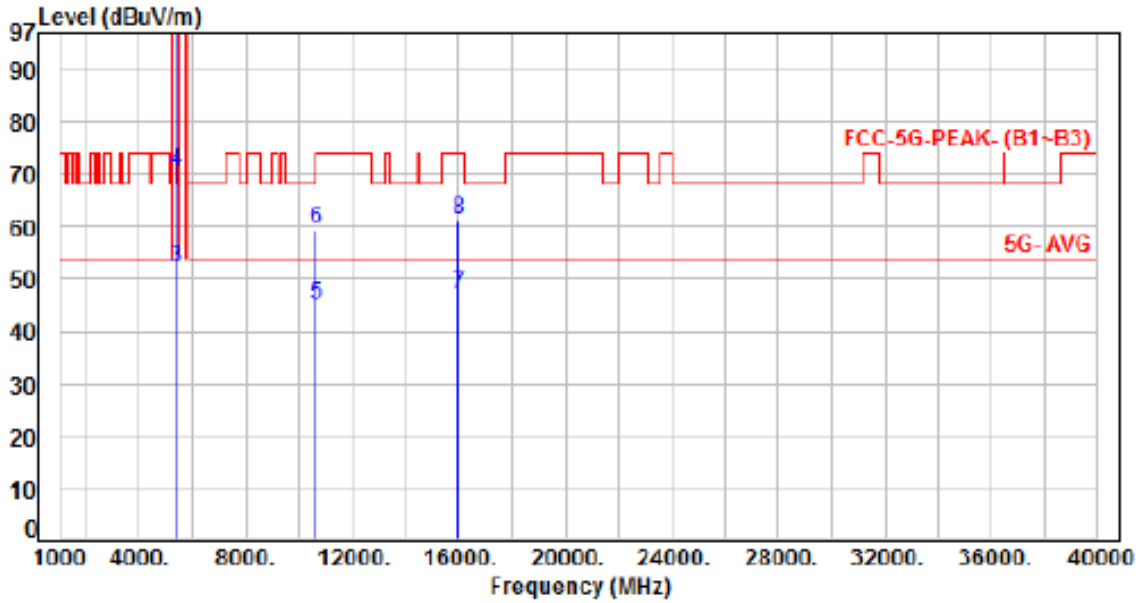
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	6.64	104.22	110.86	200.00	-89.14	Average	400	66	P
2	5300.00	6.64	115.16	121.80	200.00	-78.20	Peak	400	66	P
3	5350.00	6.57	42.60	49.17	54.00	-4.83	Average	400	66	P
4	5350.00	6.57	56.72	63.29	74.00	-10.71	Peak	400	66	P
5	10600.00	14.04	32.50	46.54	54.00	-7.46	Average	373	292	P
6	10600.00	14.04	47.26	61.30	74.00	-12.70	Peak	373	292	P
7	15900.00	15.80	32.52	48.32	54.00	-5.68	Average	110	104	P
8	15900.00	15.80	47.39	63.19	74.00	-10.81	Peak	110	104	P

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



Non-Beamforming

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



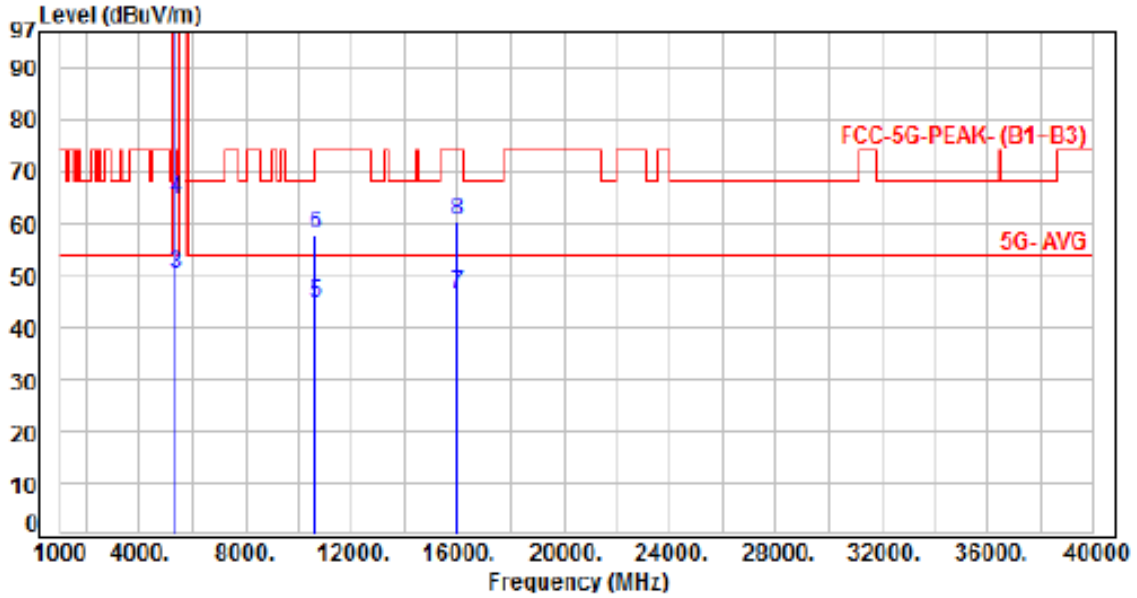
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	6.61	102.74	109.35	200.00	-90.65	Average	100	139	P
2	5320.00	6.61	113.69	120.30	200.00	-79.70	Peak	100	139	P
3	5350.00	6.57	45.49	52.06	54.00	-1.94	Average	100	139	P
4	5350.00	6.57	63.92	70.49	74.00	-3.51	Peak	100	139	P
5	10640.00	14.08	30.94	45.02	54.00	-8.98	Average	100	286	P
6	10640.00	14.08	45.17	59.25	74.00	-14.75	Peak	100	286	P
7	15960.00	15.66	31.00	46.66	54.00	-7.34	Average	100	85	P
8	15960.00	15.66	45.43	61.09	74.00	-12.91	Peak	100	85	P

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



Non-Beamforming

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



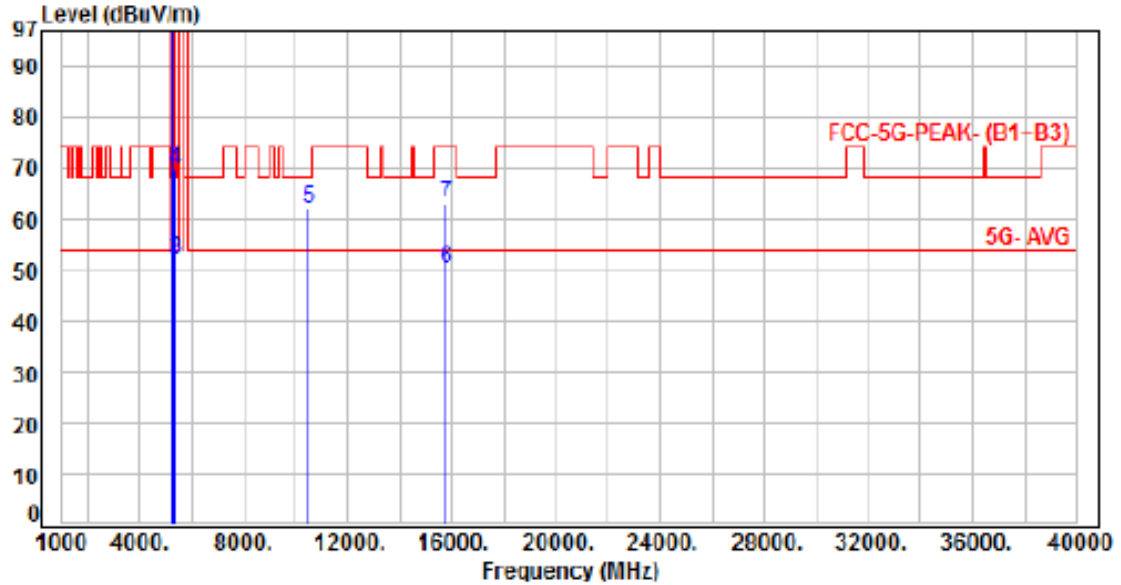
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	6.61	101.63	108.24	200.00	-91.76	Average	117	90	P
2	5320.00	6.61	113.30	119.91	200.00	-80.09	Peak	117	90	P
3	5350.00	6.57	43.59	50.16	54.00	-3.84	Average	117	90	P
4	5350.00	6.57	57.89	64.46	74.00	-9.54	Peak	117	90	P
5	10640.00	14.08	30.68	44.76	54.00	-9.24	Average	181	134	P
6	10640.00	14.08	43.98	58.06	74.00	-15.94	Peak	181	134	P
7	15960.00	15.66	30.91	46.57	54.00	-7.43	Average	100	228	P
8	15960.00	15.66	44.93	60.59	74.00	-13.41	Peak	100	228	P

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



Non-Beamforming

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



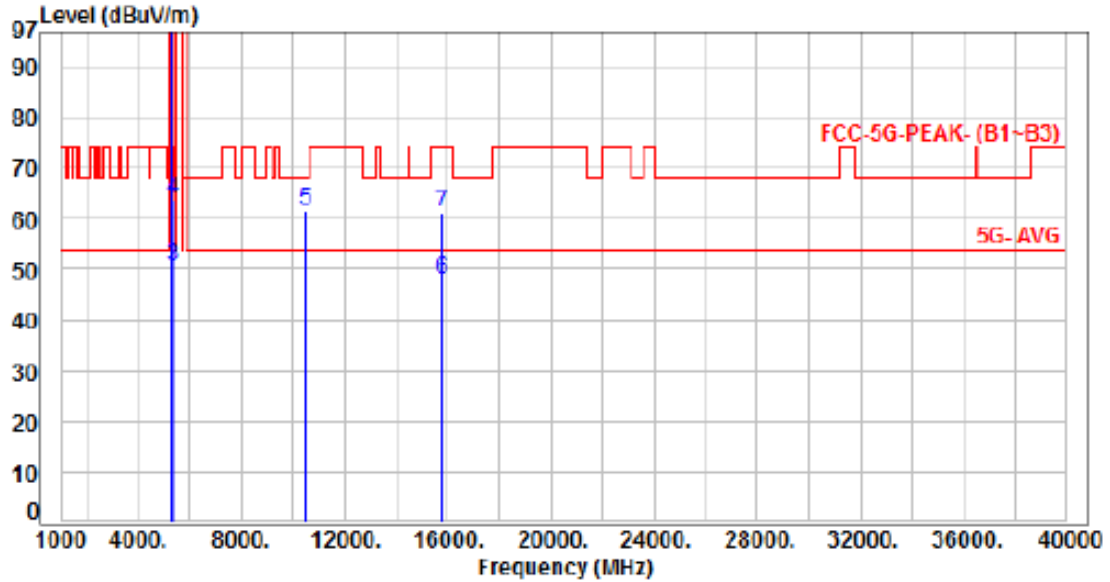
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	6.52	107.90	114.42	200.00	-85.58	Average	102	140	P
2	5260.00	6.52	120.63	127.15	200.00	-72.85	Peak	102	140	P
3	5350.00	6.57	45.46	52.03	54.00	-1.97	Average	102	140	P
4	5350.00	6.57	63.05	69.62	74.00	-4.38	Peak	102	140	P
5	10520.00	13.94	48.10	62.04	68.20	-6.16	Peak	206	284	P
6	15780.00	15.71	34.62	50.33	54.00	-3.67	Average	209	116	P
7	15780.00	15.71	47.54	63.25	74.00	-10.75	Peak	209	116	P

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



Non-Beamforming

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



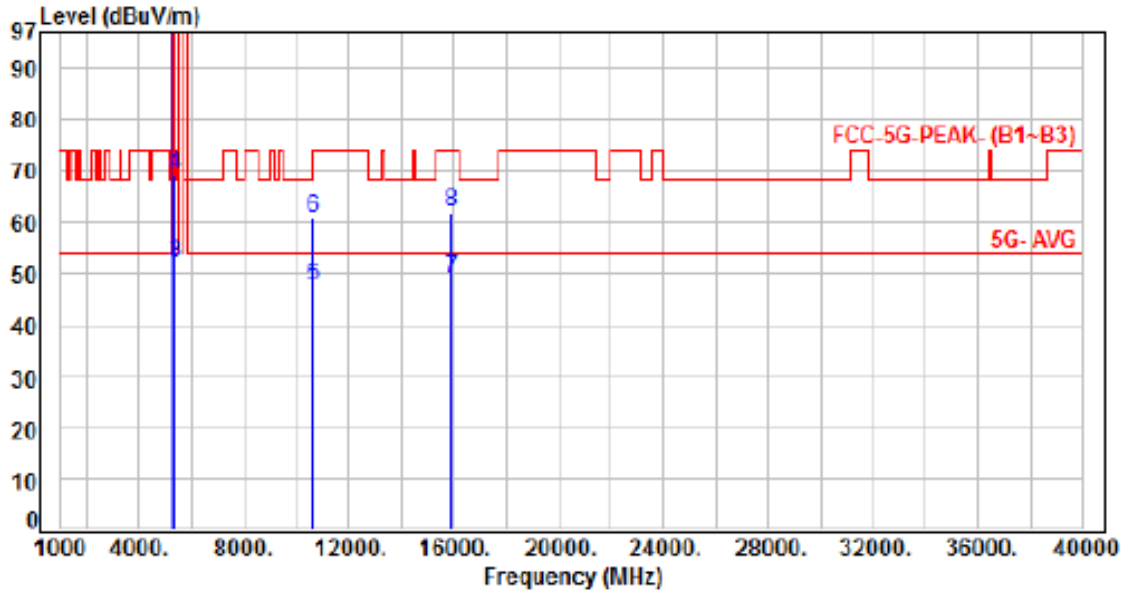
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	6.52	106.90	113.42	200.00	-86.58	Average	387	61	P
2	5260.00	6.52	118.47	124.99	200.00	-75.01	Peak	387	61	P
3	5350.00	6.57	44.00	50.57	54.00	-3.43	Average	387	61	P
4	5350.00	6.57	57.31	63.88	74.00	-10.12	Peak	387	61	P
5	10520.00	13.94	47.54	61.48	68.20	-6.72	Peak	288	293	P
6	15780.00	15.71	32.28	47.99	54.00	-6.01	Average	199	192	P
7	15780.00	15.71	45.38	61.09	74.00	-12.91	Peak	199	192	P

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



Non-Beamforming

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	6.64	104.09	110.73	200.00	-89.27	Average	100	139	P
2	5300.00	6.64	117.27	123.91	200.00	-76.09	Peak	100	139	P
3	5350.00	6.57	45.59	52.16	54.00	-1.84	Average	100	139	P
4	5350.00	6.57	62.76	69.33	74.00	-4.67	Peak	100	139	P
5	10600.00	14.04	33.72	47.76	54.00	-6.24	Average	194	286	P
6	10600.00	14.04	46.89	60.93	74.00	-13.07	Peak	194	286	P
7	15900.00	15.80	33.22	49.02	54.00	-4.98	Average	195	109	P
8	15900.00	15.80	46.19	61.99	74.00	-12.01	Peak	195	109	P

Note: Level-Reading+Factor

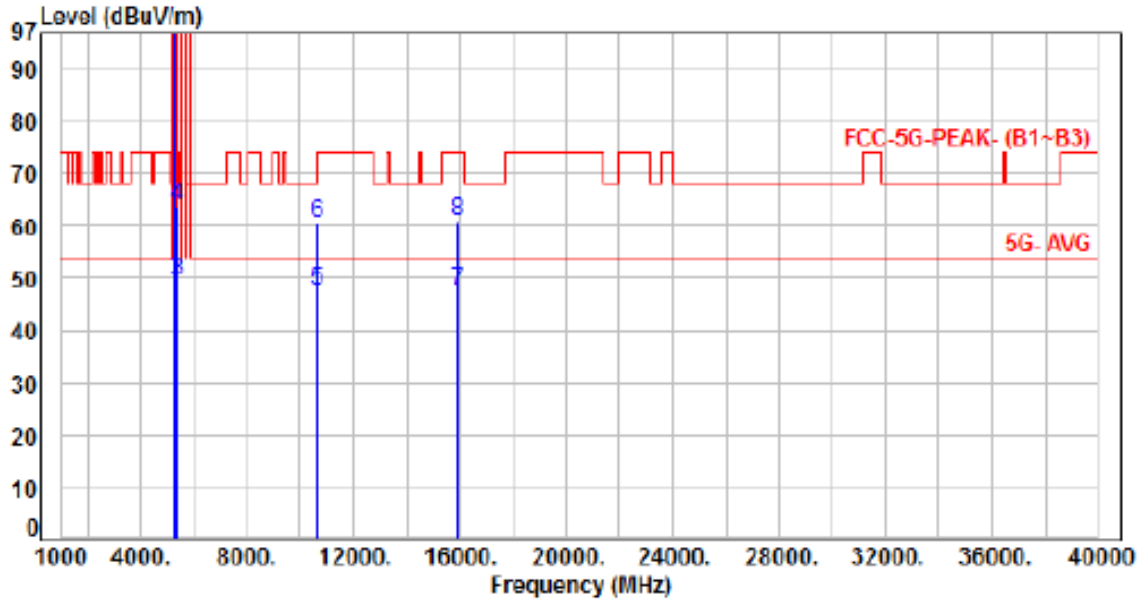
Margin-Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non-Beamforming

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	6.64	102.62	109.26	200.00	-90.74	Average	400	68	P
2	5300.00	6.64	115.30	121.94	200.00	-78.06	Peak	400	68	P
3	5350.00	6.57	42.74	49.31	54.00	-4.69	Average	400	68	P
4	5350.00	6.57	57.30	63.95	74.00	-10.05	Peak	400	68	P
5	10600.00	14.04	33.63	47.67	54.00	-6.33	Average	364	292	P
6	10600.00	14.04	46.28	60.32	74.00	-13.68	Peak	364	292	P
7	15900.00	15.80	31.72	47.52	54.00	-6.48	Average	100	104	P
8	15900.00	15.80	45.06	60.86	74.00	-13.14	Peak	100	104	P

Note: Level=Reading+Factor

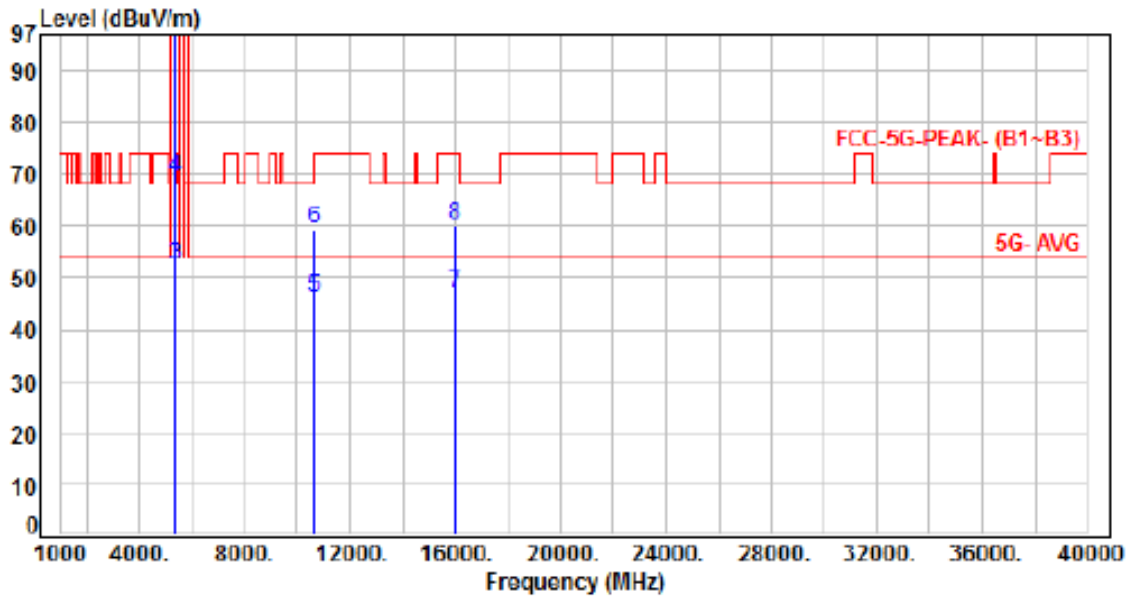
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non-Beamforming

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



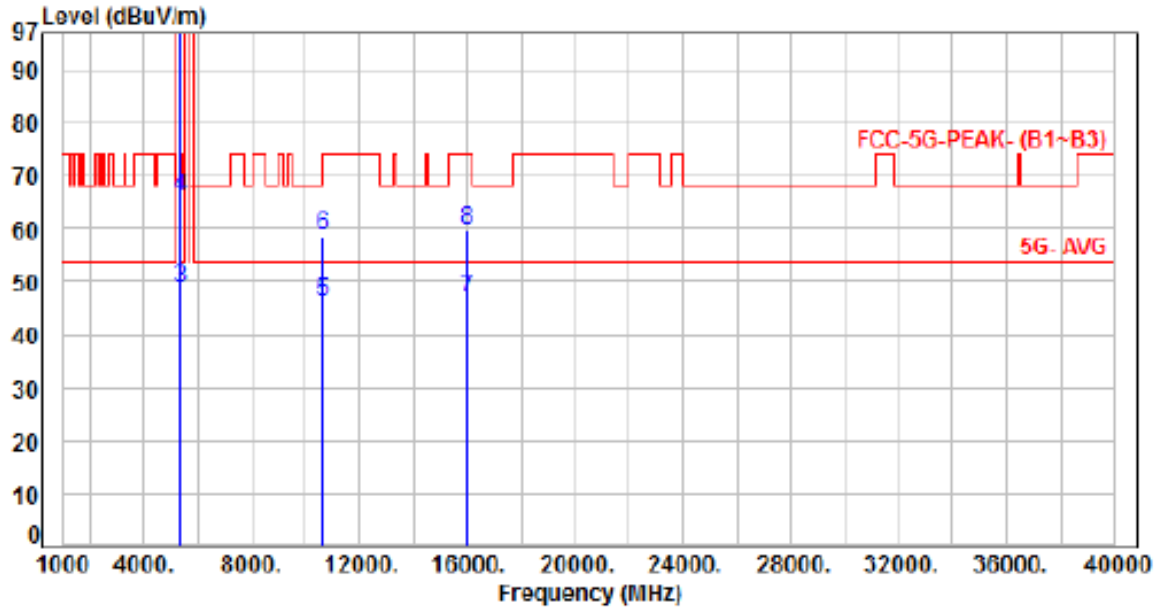
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	6.61	101.19	107.80	200.00	-92.20	Average	111	140	P
2	5320.00	6.61	113.88	120.49	200.00	-79.51	Peak	111	140	P
3	5350.00	6.57	45.64	52.21	54.00	-1.79	Average	111	140	P
4	5350.00	6.57	62.84	69.41	74.00	-4.59	Peak	111	140	P
5	10640.00	14.08	31.91	45.99	54.00	-8.01	Average	100	7	P
6	10640.00	14.08	45.36	59.44	74.00	-14.56	Peak	100	7	P
7	15960.00	15.66	31.22	46.88	54.00	-7.12	Average	100	346	P
8	15960.00	15.66	44.51	60.17	74.00	-13.83	Peak	100	346	P

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



Non-Beamforming

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



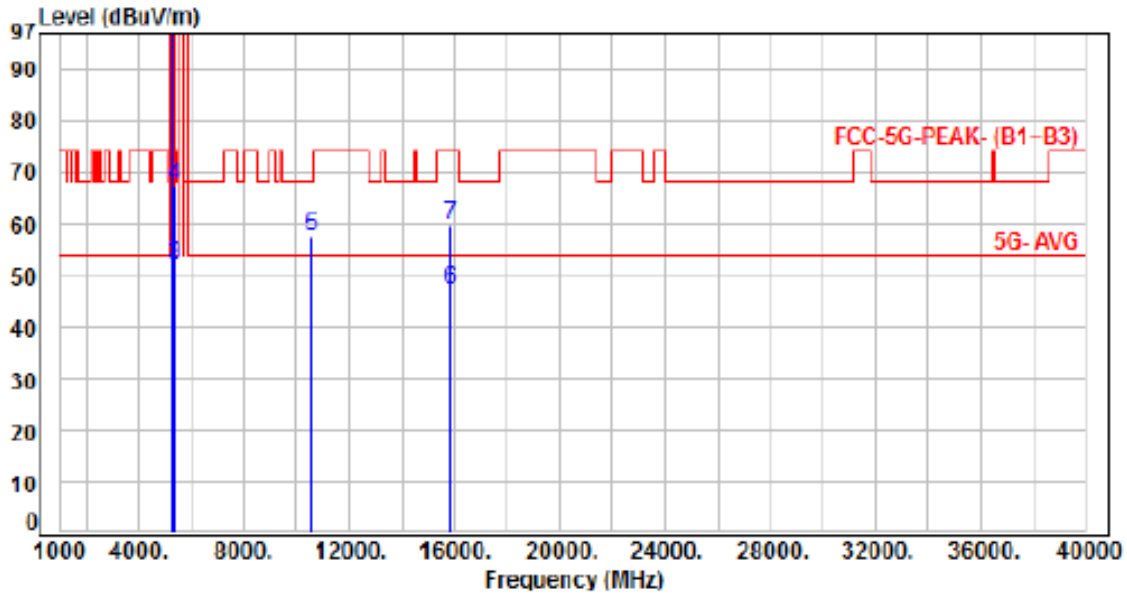
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	6.61	100.00	106.61	200.00	-93.39	Average	399	62	P
2	5320.00	6.61	112.49	119.10	200.00	-80.90	Peak	399	62	P
3	5350.00	6.57	42.07	48.64	54.00	-5.36	Average	399	62	P
4	5350.00	6.57	59.52	66.09	74.00	-7.91	Peak	399	62	P
5	10640.00	14.08	31.88	45.96	54.00	-8.04	Average	354	335	P
6	10640.00	14.08	44.73	58.81	74.00	-15.19	Peak	354	335	P
7	15960.00	15.66	31.14	46.80	54.00	-7.20	Average	100	59	P
8	15960.00	15.66	44.01	59.67	74.00	-14.33	Peak	100	59	P

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



Non-Beamforming

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



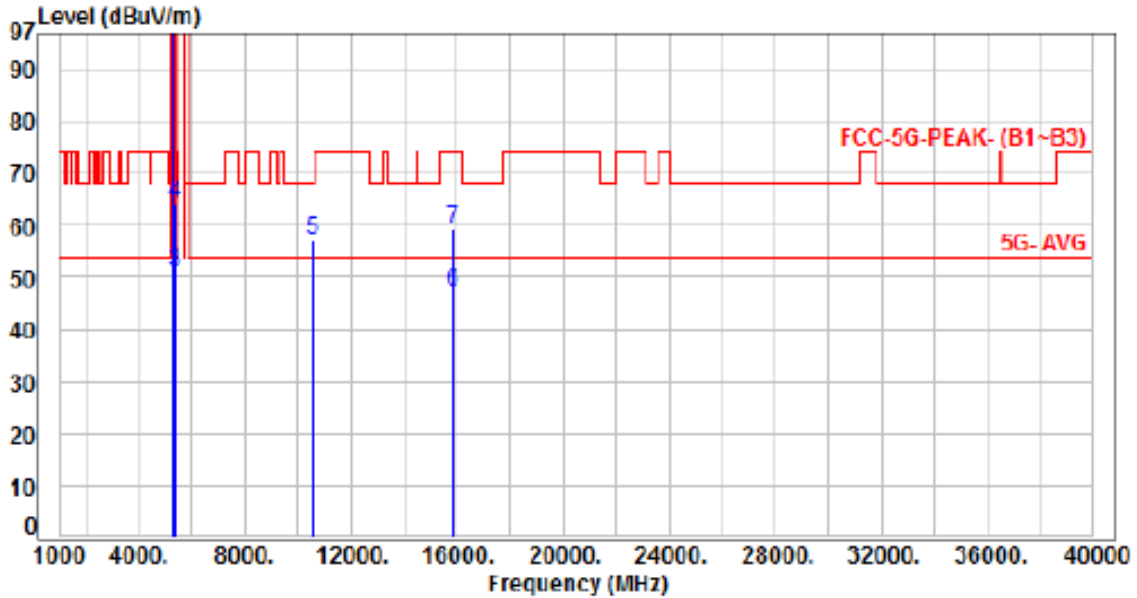
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	6.54	100.43	106.97	200.00	-93.03	Average	100	139	P
2	5270.00	6.54	112.85	119.39	200.00	-80.61	Peak	100	139	P
3	5350.00	6.57	45.49	52.06	54.00	-1.94	Average	100	139	P
4	5350.00	6.57	60.96	67.53	74.00	-6.47	Peak	100	139	P
5	10540.00	13.96	43.54	57.50	68.20	-10.70	Peak	100	19	P
6	15810.00	15.74	31.64	47.38	54.00	-6.62	Average	100	70	P
7	15810.00	15.74	44.14	59.88	74.00	-14.12	Peak	100	70	P

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



Non-Beamforming

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



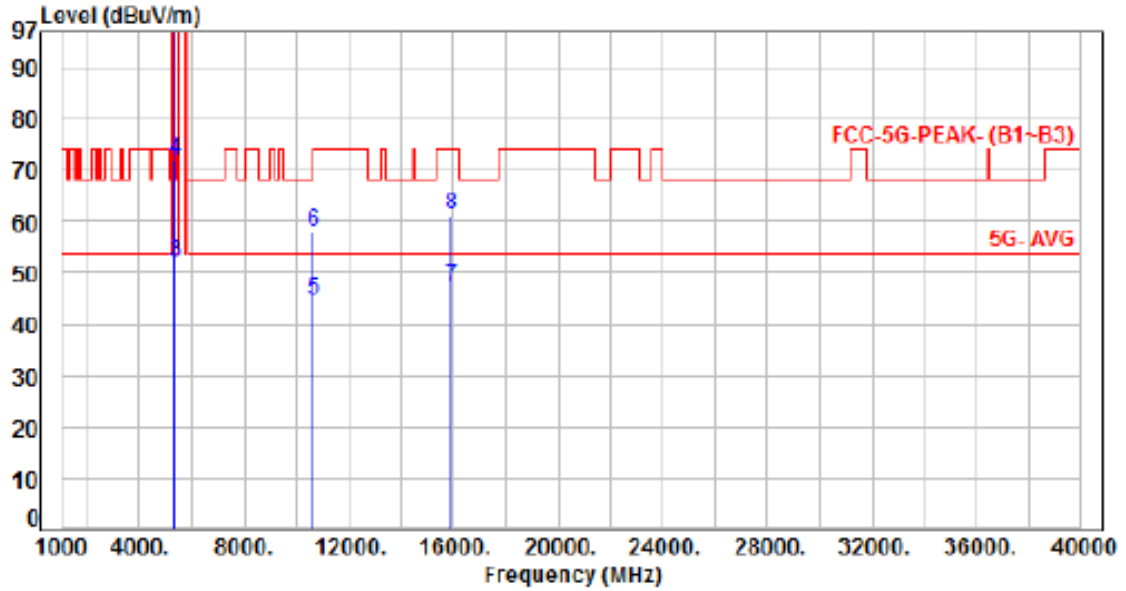
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	6.54	98.87	105.41	200.00	-94.59	Average	131	101	P
2	5270.00	6.54	110.79	117.33	200.00	-82.67	Peak	131	101	P
3	5350.00	6.57	44.30	50.87	54.00	-3.13	Average	131	101	P
4	5350.00	6.57	57.48	64.05	74.00	-9.95	Peak	131	101	P
5	10540.00	13.96	43.31	57.27	68.20	-10.93	Peak	100	32	P
6	15810.00	15.74	31.53	47.27	54.00	-6.73	Average	100	304	P
7	15810.00	15.74	43.69	59.43	74.00	-14.57	Peak	100	304	P

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



Non-Beamforming

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



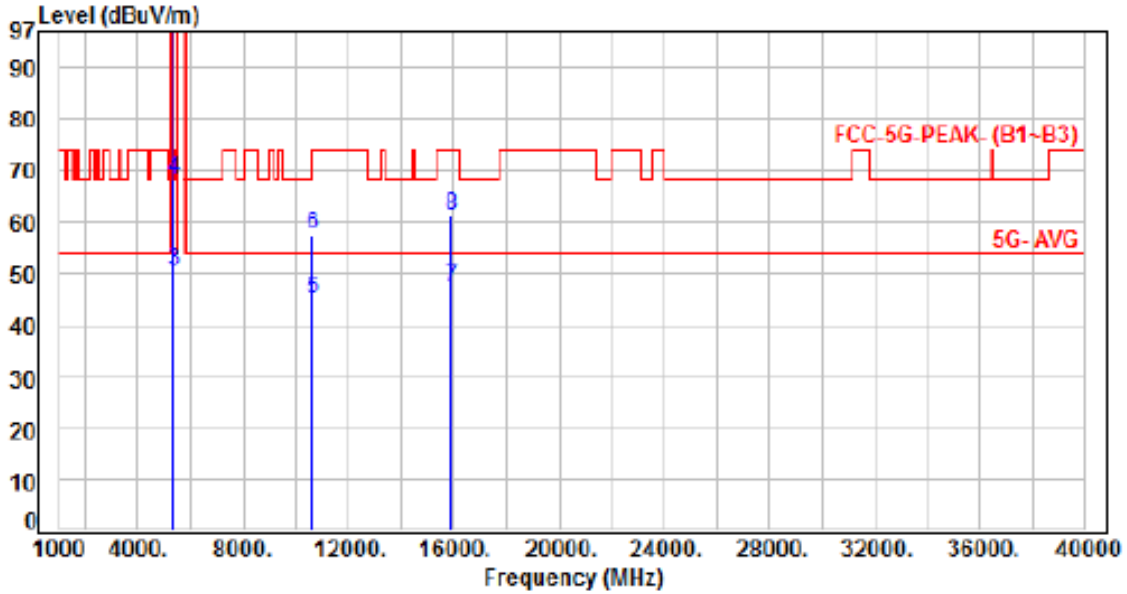
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	6.62	96.61	103.23	200.00	-96.77	Average	100	139	P
2	5310.00	6.62	108.84	115.46	200.00	-84.54	Peak	100	139	P
3	5350.00	6.57	45.48	52.05	54.00	-1.95	Average	100	139	P
4	5350.00	6.57	65.29	71.86	74.00	-2.14	Peak	100	139	P
5	10620.00	14.06	30.73	44.79	54.00	-9.21	Average	100	228	P
6	10620.00	14.06	44.02	58.08	74.00	-15.92	Peak	100	228	P
7	15930.00	15.73	31.55	47.28	54.00	-6.72	Average	100	107	P
8	15930.00	15.73	45.55	61.28	74.00	-12.72	Peak	100	107	P

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



Non-Beamforming

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



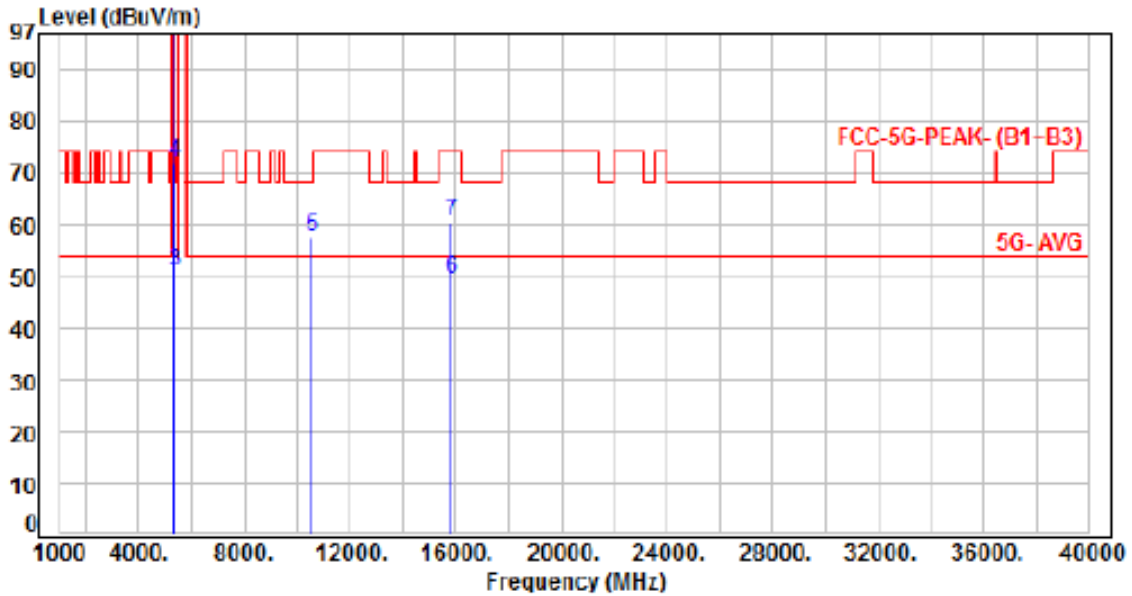
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	6.62	96.19	102.81	200.00	-97.19	Average	168	86	P
2	5310.00	6.62	108.47	115.09	200.00	-84.91	Peak	168	86	P
3	5350.00	6.57	44.03	50.60	54.00	-3.40	Average	168	86	P
4	5350.00	6.57	61.76	68.33	74.00	-5.67	Peak	168	86	P
5	10620.00	14.06	30.75	44.81	54.00	-9.19	Average	100	111	P
6	10620.00	14.06	43.59	57.65	74.00	-16.35	Peak	100	111	P
7	15930.00	15.73	31.53	47.26	54.00	-6.74	Average	100	165	P
8	15930.00	15.73	45.45	61.18	74.00	-12.82	Peak	100	165	P

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



Non-Beamforming

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



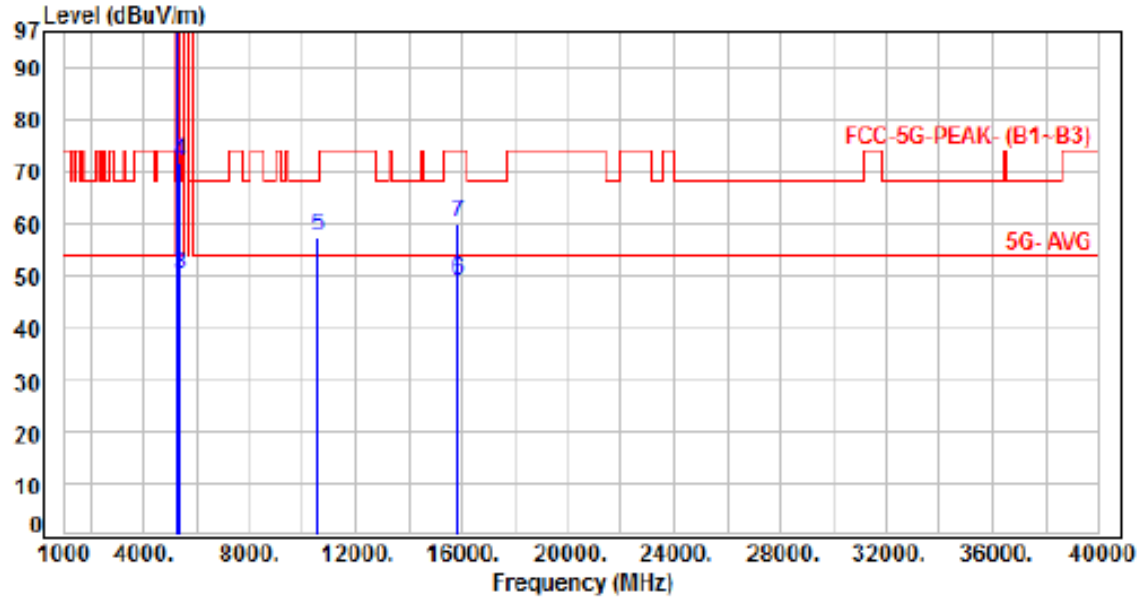
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	6.60	93.40	100.00	200.00	-100.00	Average	120	138	P
2	5290.00	6.60	105.26	111.86	200.00	-88.14	Peak	120	138	P
3	5350.00	6.57	44.41	50.98	54.00	-3.02	Average	120	138	P
4	5350.00	6.57	65.49	72.06	74.00	-1.94	Peak	120	138	P
5	10580.00	14.00	43.50	57.50	68.20	-10.70	Peak	100	157	P
6	15870.00	15.79	33.45	49.24	54.00	-4.76	Average	100	355	P
7	15870.00	15.79	44.75	60.54	74.00	-13.46	Peak	100	355	P

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



Non-Beamforming

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



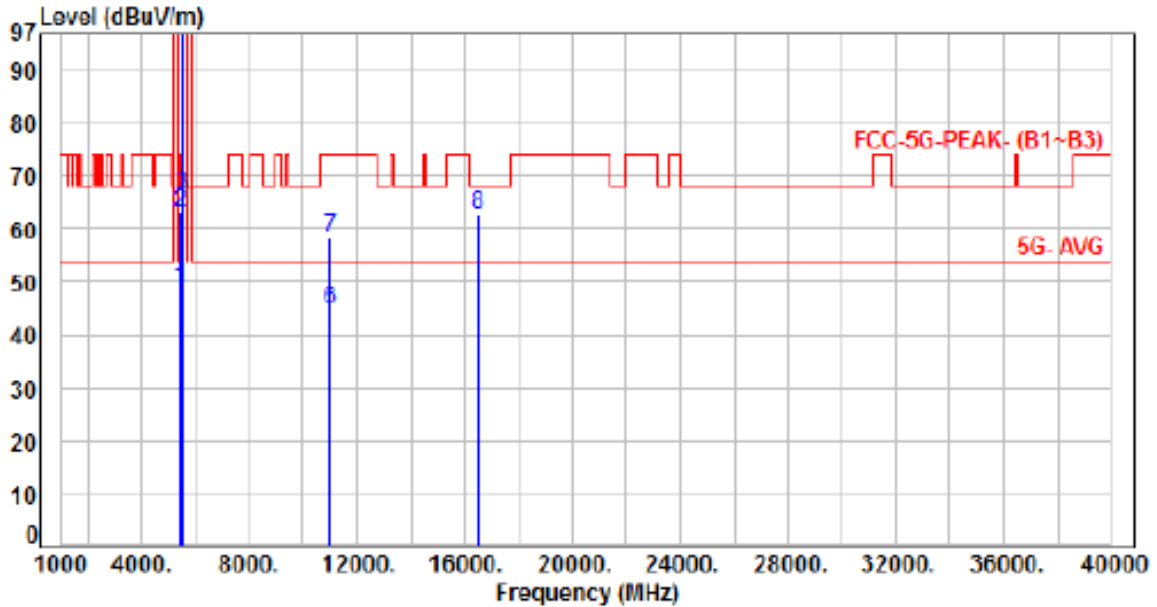
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	6.60	91.94	98.54	200.00	-101.46	Average	140	103	P
2	5290.00	6.60	104.30	110.90	200.00	-89.10	Peak	140	103	P
3	5350.00	6.57	43.45	50.02	54.00	-3.98	Average	140	103	P
4	5350.00	6.57	65.34	71.91	74.00	-2.09	Peak	140	103	P
5	10580.00	14.00	43.48	57.48	68.20	-10.72	Peak	100	213	P
6	15870.00	15.79	33.22	49.01	54.00	-4.99	Average	100	39	P
7	15870.00	15.79	44.41	60.20	74.00	-13.80	Peak	100	39	P

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



Non-Beamforming

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



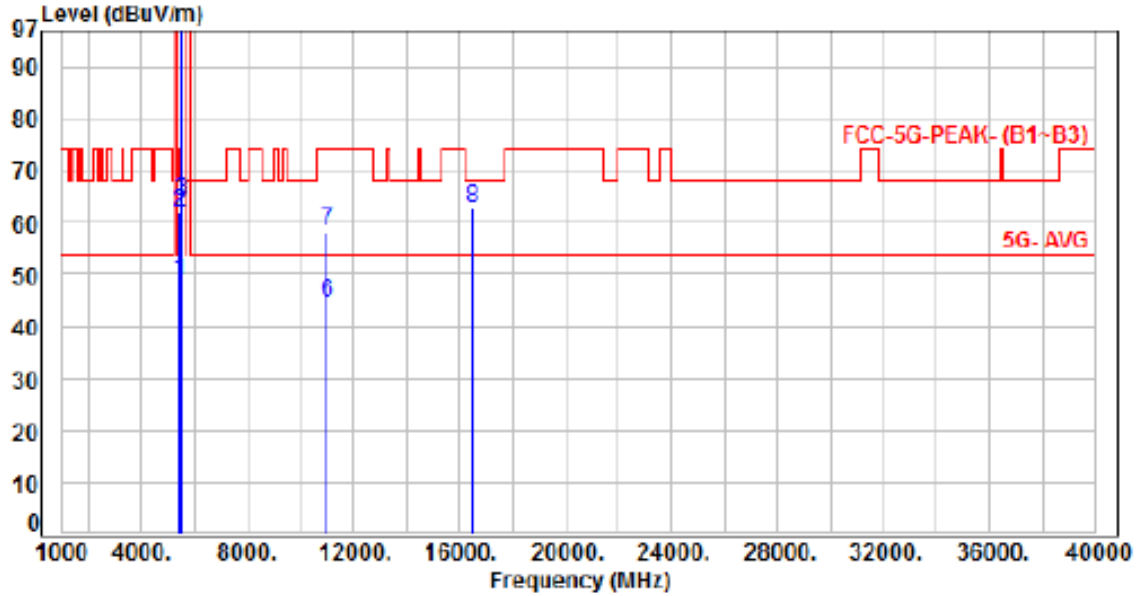
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.69	42.10	48.79	54.00	-5.21	Average	100	135	P
2	5460.00	6.69	56.32	63.01	74.00	-10.99	Peak	100	135	P
3	5470.00	6.72	59.68	66.40	68.20	-1.80	Peak	100	135	P
4	5500.00	6.80	100.25	107.05	200.00	-92.95	Average	100	135	P
5	5500.00	6.80	111.03	117.83	200.00	-82.17	Peak	100	135	P
6	11000.00	14.68	30.02	44.70	54.00	-9.30	Average	100	34	P
7	11000.00	14.68	43.69	58.37	74.00	-15.63	Peak	100	34	P
8	16500.00	17.03	45.50	62.53	68.20	-5.67	Peak	100	321	P

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



Non-Beamforming

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



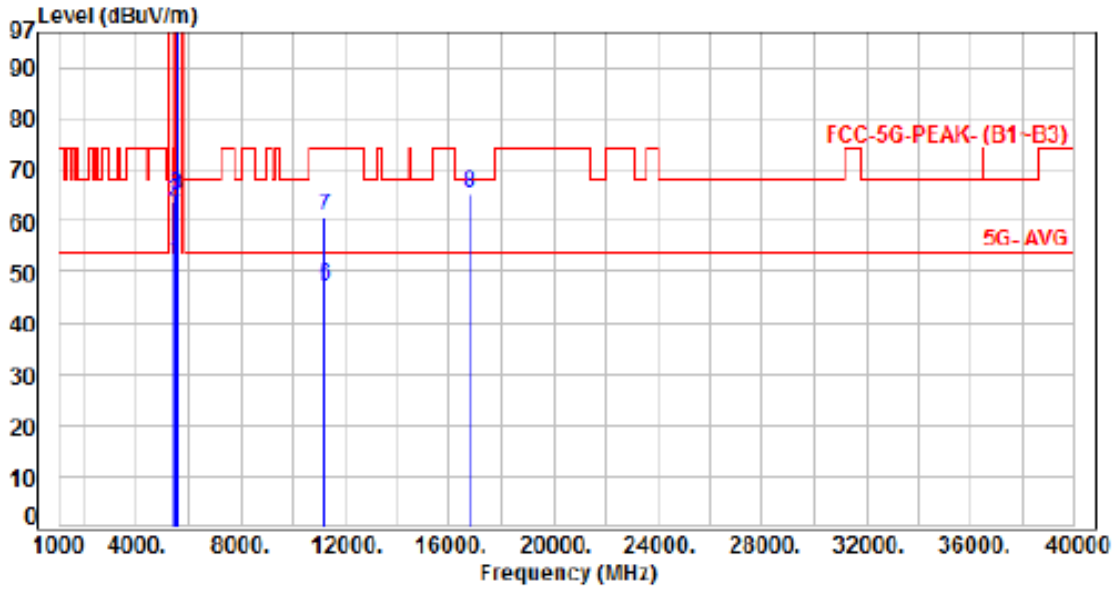
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.69	41.97	48.66	54.00	-5.34	Average	242	70	P
2	5460.00	6.69	55.15	61.84	74.00	-12.16	Peak	242	70	P
3	5470.00	6.72	57.41	64.13	68.20	-4.07	Peak	242	70	P
4	5500.00	6.80	100.18	106.98	200.00	-93.02	Average	242	70	P
5	5500.00	6.80	110.95	117.75	200.00	-82.25	Peak	242	70	P
6	11000.00	14.68	29.94	44.62	54.00	-9.38	Average	100	19	P
7	11000.00	14.68	43.45	58.13	74.00	-15.87	Peak	100	19	P
8	16500.00	17.03	45.49	62.52	68.20	-5.68	Peak	100	293	P

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



Non-Beamforming

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



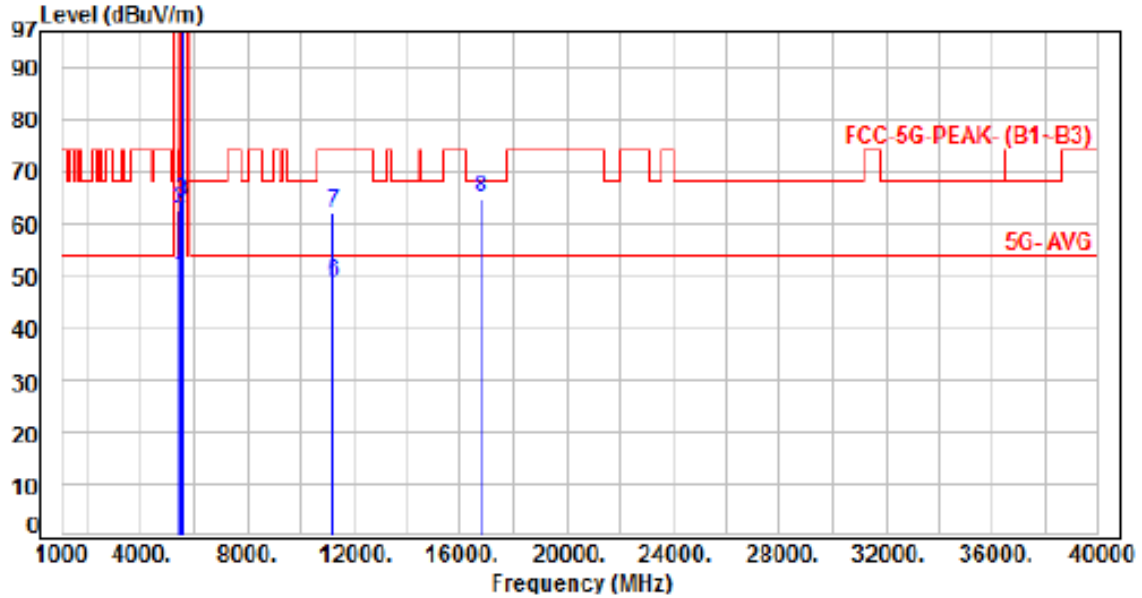
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.69	45.27	51.96	54.00	-2.04	Average	114	140	P
2	5460.00	6.69	57.24	63.93	74.00	-10.07	Peak	114	140	P
3	5470.00	6.72	58.03	64.75	68.20	-3.45	Peak	114	140	P
4	5600.00	6.78	109.52	116.30	200.00	-83.70	Average	114	140	P
5	5600.00	6.78	119.96	126.74	200.00	-73.26	Peak	114	140	P
6	11200.00	14.71	32.44	47.15	54.00	-6.85	Average	200	305	P
7	11200.00	14.71	45.97	60.68	74.00	-13.32	Peak	200	305	P
8	16800.00	19.05	46.22	65.27	68.20	-2.93	Peak	100	83	P

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



Non-Beamforming

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



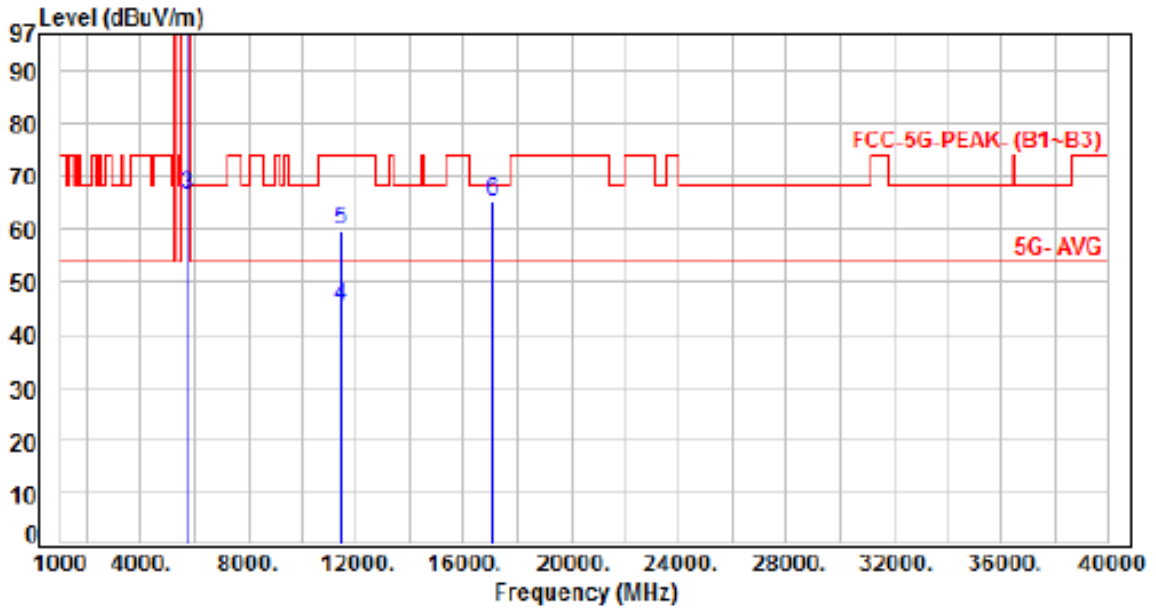
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.69	42.93	49.62	54.00	-4.38	Average	393	73	P
2	5460.00	6.69	56.15	62.84	74.00	-11.16	Peak	393	73	P
3	5470.00	6.72	57.62	64.34	68.20	-3.86	Peak	393	73	P
4	5600.00	6.78	109.08	115.86	200.00	-84.14	Average	393	73	P
5	5600.00	6.78	119.59	126.37	200.00	-73.63	Peak	393	73	P
6	11200.00	14.71	33.85	48.56	54.00	-5.44	Average	100	30	P
7	11200.00	14.71	47.35	62.06	74.00	-11.94	Peak	100	30	P
8	16800.00	19.05	45.74	64.79	68.20	-3.41	Peak	100	34	P

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



Non-Beamforming

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



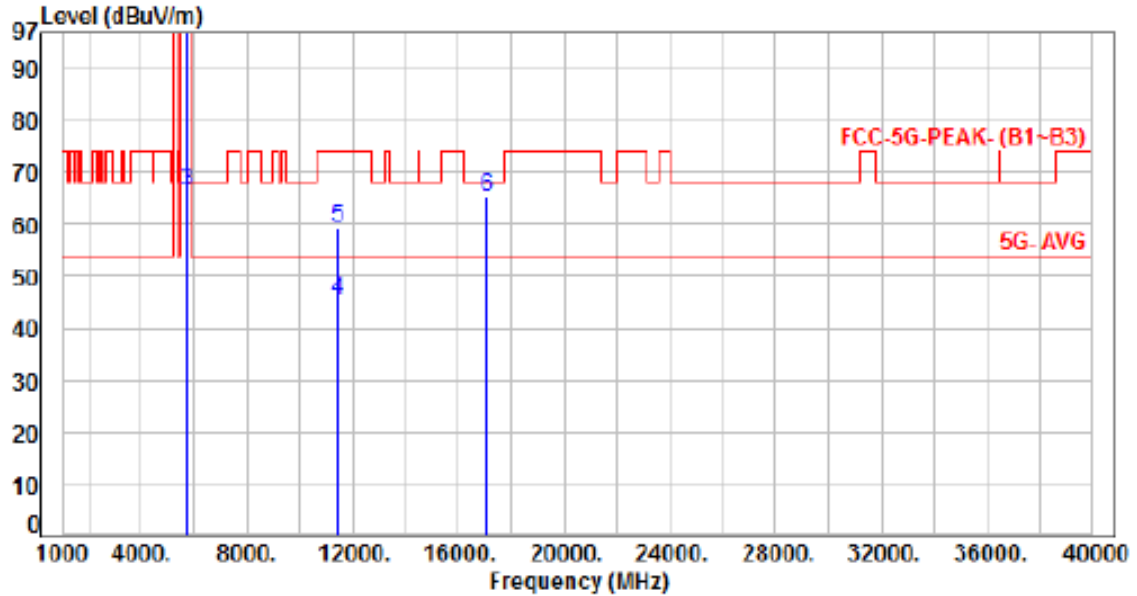
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	6.86	99.59	106.45	200.00	-93.55	Average	100	140	P
2	5700.00	6.86	110.30	117.16	200.00	-82.84	Peak	100	140	P
3	5725.00	6.83	59.44	66.27	68.20	-1.93	Peak	100	140	P
4	11400.00	14.94	30.39	45.33	54.00	-8.67	Average	100	29	P
5	11400.00	14.94	44.66	59.60	74.00	-14.40	Peak	100	29	P
6	17100.00	20.81	44.33	65.14	68.20	-3.06	Peak	100	334	P

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



Non-Beamforming

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



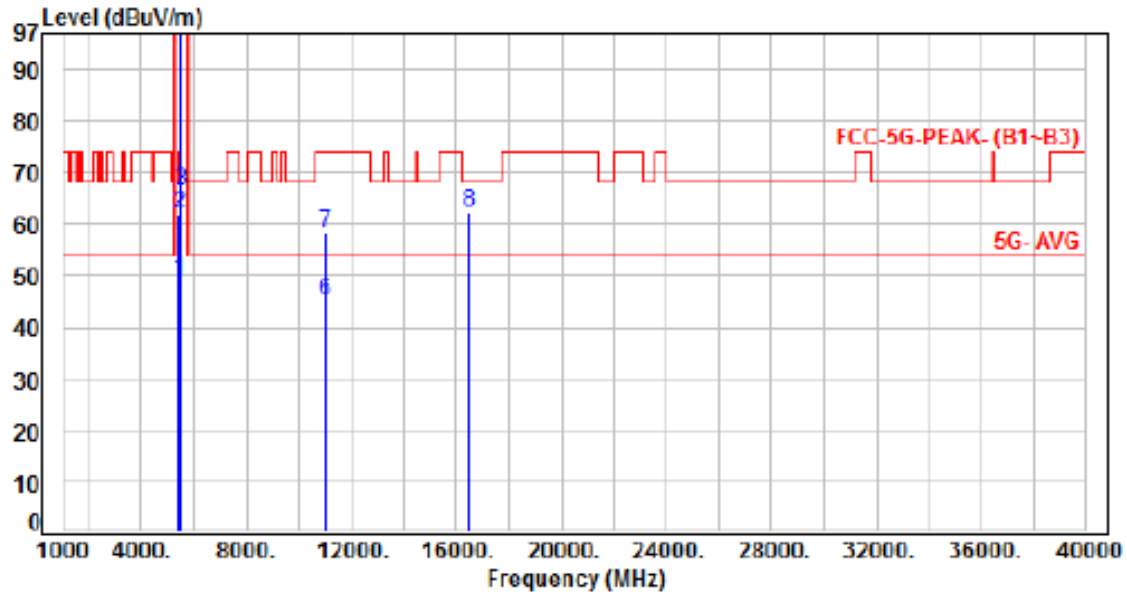
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	6.86	99.59	106.45	200.00	-93.55	Average	132	267	P
2	5700.00	6.86	110.17	117.03	200.00	-82.97	Peak	132	267	P
3	5725.00	6.83	59.47	66.30	68.20	-1.90	Peak	132	267	P
4	11400.00	14.94	30.35	45.29	54.00	-8.71	Average	100	27	P
5	11400.00	14.94	44.60	59.54	74.00	-14.46	Peak	100	27	P
6	17100.00	20.81	44.31	65.12	68.20	-3.08	Peak	100	329	P

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



Non-Beamforming

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



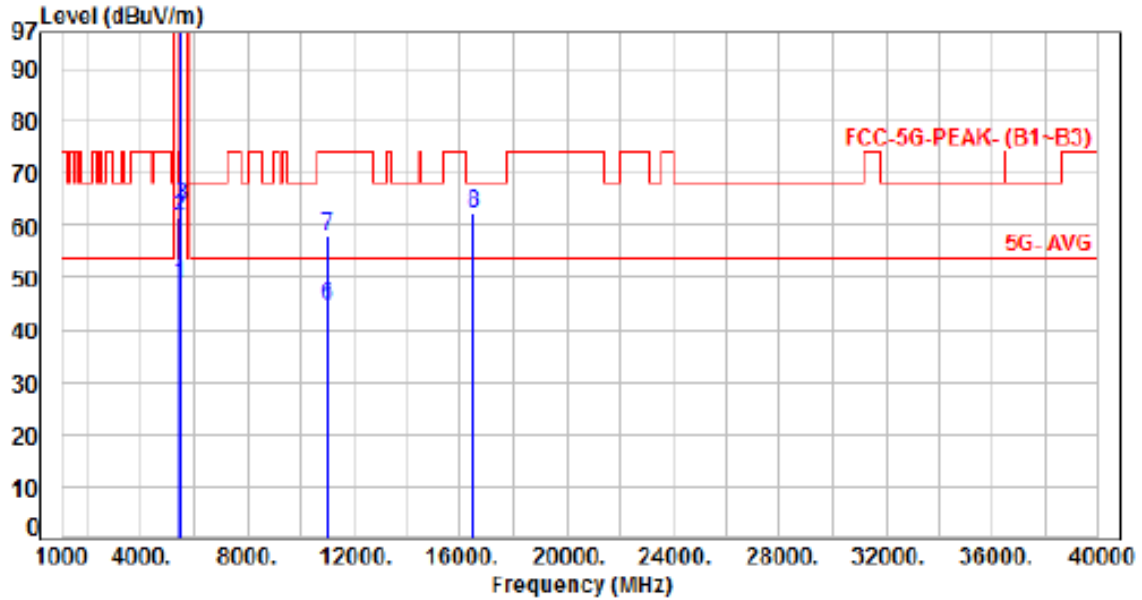
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.69	42.22	48.91	54.00	-5.09	Average	109	139	P
2	5460.00	6.69	55.18	61.87	74.00	-12.13	Peak	109	139	P
3	5470.00	6.72	59.66	66.38	68.20	-1.82	Peak	109	139	P
4	5500.00	6.80	98.64	105.44	200.00	-94.56	Average	109	139	P
5	5500.00	6.80	111.61	118.41	200.00	-81.59	Peak	109	139	P
6	11000.00	14.68	30.21	44.89	54.00	-9.11	Average	100	39	P
7	11000.00	14.68	43.66	58.34	74.00	-15.66	Peak	100	39	P
8	16500.00	17.03	45.37	62.40	68.20	-5.80	Peak	100	318	P

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



Non-Beamforming

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



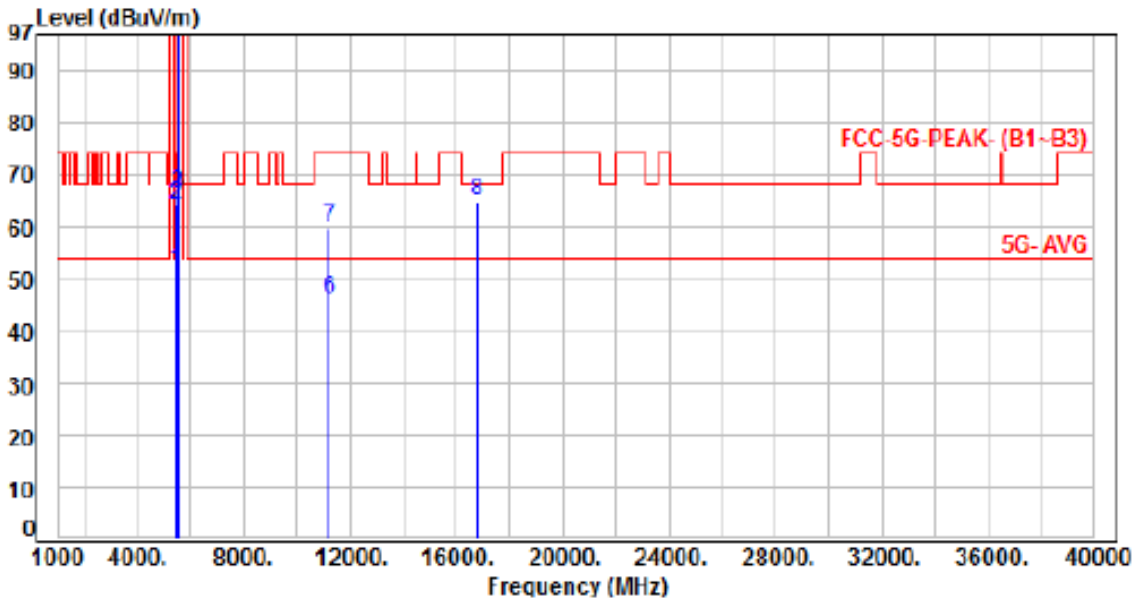
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.69	42.10	48.79	54.00	-5.21	Average	251	70	P
2	5460.00	6.69	54.75	61.44	74.00	-12.56	Peak	251	70	P
3	5470.00	6.72	56.94	63.66	68.20	-4.54	Peak	251	70	P
4	5500.00	6.80	98.42	105.22	200.00	-94.78	Average	251	70	P
5	5500.00	6.80	111.20	118.00	200.00	-82.00	Peak	251	70	P
6	11000.00	14.68	30.13	44.81	54.00	-9.19	Average	100	37	P
7	11000.00	14.68	43.33	58.01	74.00	-15.99	Peak	100	37	P
8	16500.00	17.03	45.36	62.39	68.20	-5.81	Peak	100	317	P

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



Non-Beamforming

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



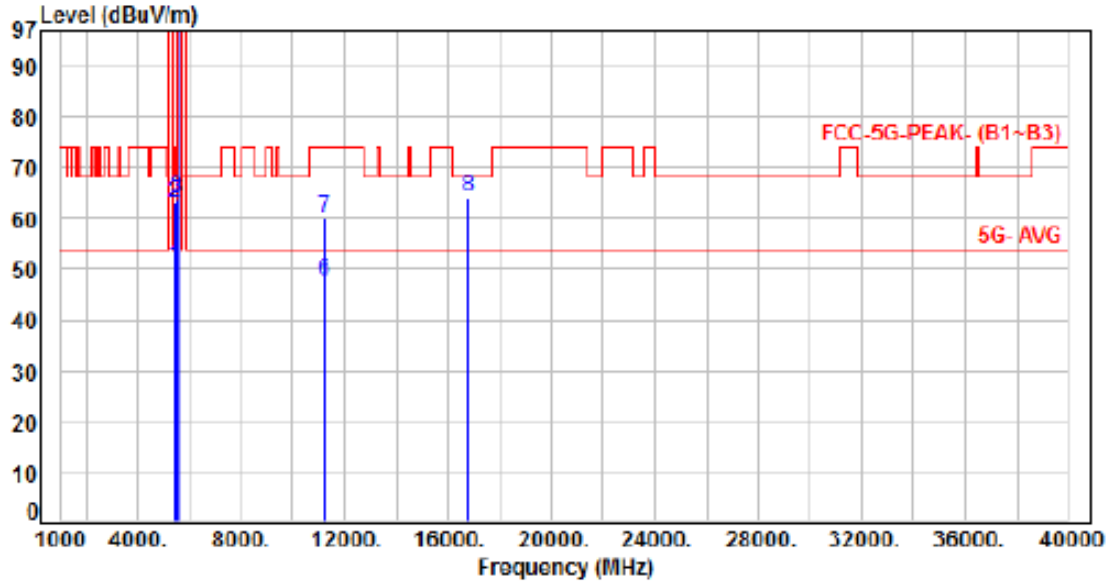
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.69	45.10	51.79	54.00	-2.21	Average	100	140	P
2	5460.00	6.69	57.66	64.35	74.00	-9.65	Peak	100	140	P
3	5470.00	6.72	59.55	66.27	68.20	-1.93	Peak	100	140	P
4	5600.00	6.78	108.60	115.38	200.00	-84.62	Average	100	140	P
5	5600.00	6.78	121.49	128.27	200.00	-71.73	Peak	100	140	P
6	11200.00	14.71	31.51	46.22	54.00	-7.78	Average	100	247	P
7	11200.00	14.71	44.89	59.60	74.00	-14.40	Peak	100	247	P
8	16000.00	19.05	45.78	64.83	68.20	-3.37	Peak	100	108	P

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



Non-Beamforming

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	5450.00	6.69	43.80	50.49	54.00	-3.51	Average	394	77	P
2	5460.00	6.69	56.51	63.20	74.00	-10.80	Peak	394	77	P
3	5470.00	6.72	57.06	63.78	68.20	-4.42	Peak	394	77	P
4	5600.00	6.78	107.65	114.63	200.00	-85.37	Average	394	77	P
5	5600.00	6.78	120.64	127.42	200.00	-72.58	Peak	394	77	P
6	11200.00	14.71	32.91	47.62	54.00	-6.38	Average	100	306	P
7	11200.00	14.71	45.35	60.06	74.00	-13.94	Peak	100	306	P
8	16800.00	19.05	45.19	64.24	68.20	-3.96	Peak	100	247	P

Note: Level=Reading+Factor

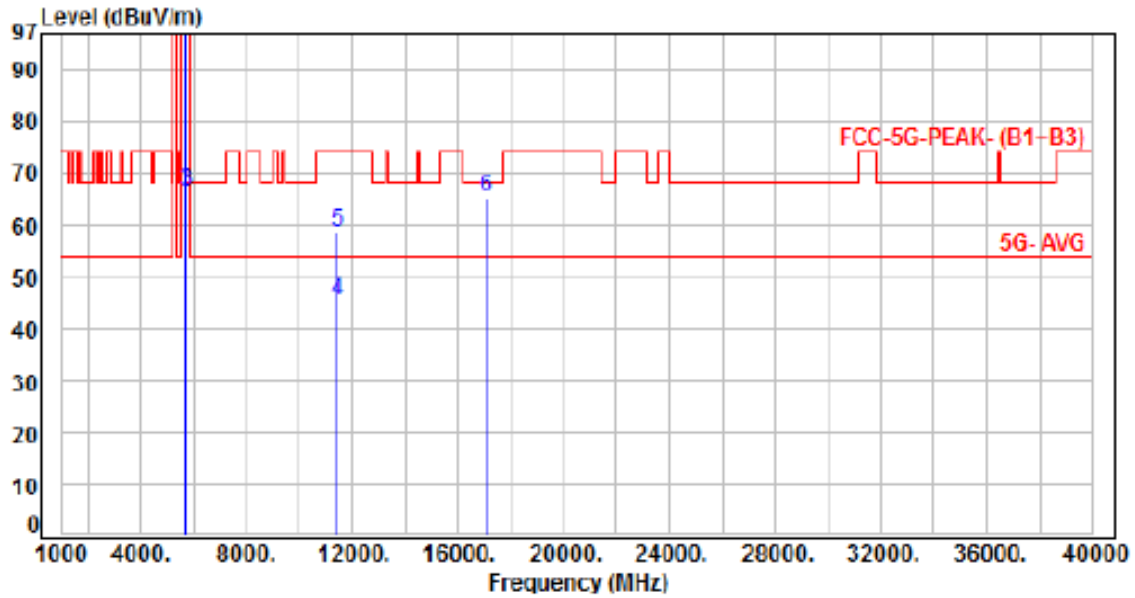
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non-Beamforming

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



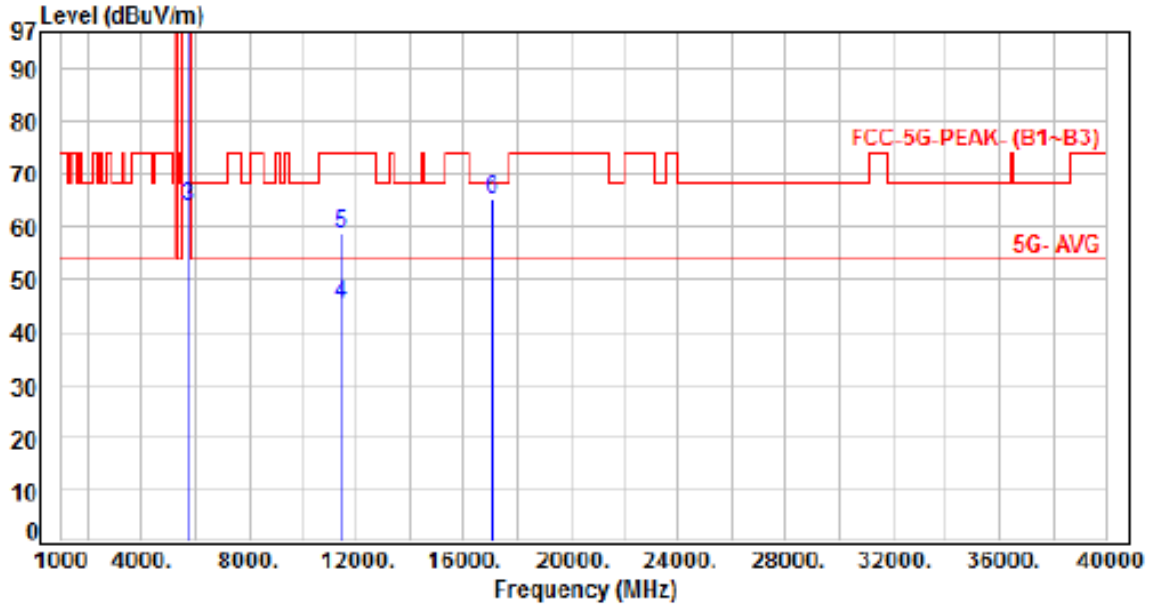
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	6.86	98.64	105.50	200.00	-94.50	Average	100	139	P
2	5700.00	6.86	111.46	118.32	200.00	-81.68	Peak	100	139	P
3	5725.00	6.83	59.59	66.42	68.20	-1.78	Peak	100	139	P
4	11400.00	14.94	30.52	45.46	54.00	-8.54	Average	100	51	P
5	11400.00	14.94	43.85	58.79	74.00	-15.21	Peak	100	51	P
6	17100.00	20.81	44.38	65.19	68.20	-3.01	Peak	100	323	P

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



Non-Beamforming

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



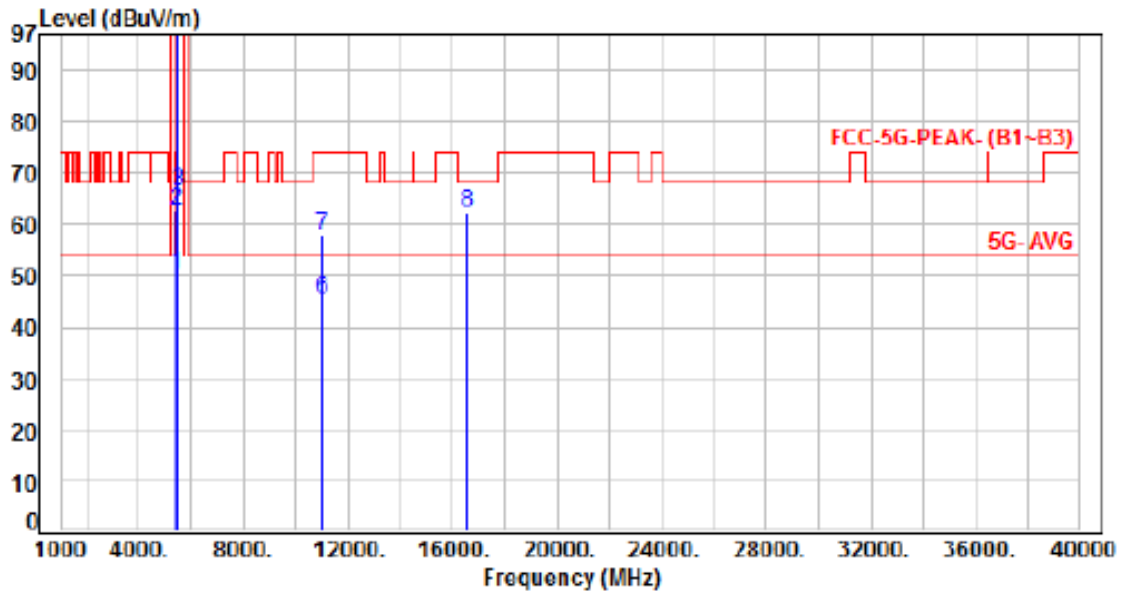
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	6.86	98.44	105.30	200.00	-94.70	Average	142	78	P
2	5700.00	6.86	110.45	117.31	200.00	-82.69	Peak	142	78	P
3	5725.00	6.83	57.15	63.98	68.20	-4.22	Peak	142	78	P
4	11400.00	14.94	30.50	45.44	54.00	-8.56	Average	100	21	P
5	11400.00	14.94	43.67	58.61	74.00	-15.39	Peak	100	21	P
6	17100.00	20.81	44.51	65.32	68.20	-2.88	Peak	100	299	P

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



Non-Beamforming

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



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	6.69	43.47	50.16	54.00	-3.84	Average	156	133	P
2	5460.00	6.69	56.15	62.84	74.00	-11.16	Peak	156	133	P
3	5470.00	6.72	59.52	66.24	68.20	-1.96	Peak	156	133	P
4	5510.00	6.79	95.93	102.72	200.00	-97.28	Average	156	133	P
5	5510.00	6.79	108.74	115.53	200.00	-84.47	Peak	156	133	P
6	11020.00	14.67	30.61	45.28	54.00	-8.72	Average	100	31	P
7	11020.00	14.67	43.37	58.04	74.00	-15.96	Peak	100	31	P
8	16530.00	17.31	44.88	62.19	68.20	-6.01	Peak	100	351	P

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