



# FCC RADIO TEST REPORT

Applicant : LITE-ON Technology Corp  
Address : Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City, 23585, Taiwan  
Equipment : Indoor Wi-Fi 6E Access Point/Mesh router  
Model No. : WPXE8326 / WRXE8326 , WAP-2E  
Trade Name : LITEON, PoEWit  
FCC ID : PPQ-WPXE8326

## I HEREBY CERTIFY THAT :

The sample was received on Jan. 04, 2023 and the testing was completed on Feb. 02, 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:

Vic Hsiao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory





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**History of this test report**

Report No.	Issued Date	Description
22120269-TRFCC04	Mar. 01, 2023	Original
22120269-TRFCC04-A	Apr. 17, 2023	Revise EUT narrative



# 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(22120269-TEFV01).



## 2. Test Configuration of Equipment under Test

### 2.1. Feature of Equipment under Test

Operation Frequency Range	BT / BLE: 2400-2483.5MHz WLAN:802.11b/g/n/ax: 2400-2483.5MHz 5GHz:802.11a/n/ac/ax: 5150-5250MHz, 5725-5850MHz 6GHz: 802.11ax: 5925MHz~6425MHz, 6425MHz~6525MHz 6525MHz~6875MHz, 6875MHz~7125MHz
Center Frequency Range	BT / BLE: 2402-2480MHz WLAN:802.11b/g/n/ax: 2412-2462MHz 5GHz :802.11a/n/ac/ax: 5180-5240MHz, 5745-5825MHz 6GHz: 802.11ax: 6115MHz~6415MHz, 6435MHz~6515MHz 6535MHz~6855MHz, 6875MHz~7115MHz
Modulation Type	BT: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 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 6GHz: 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Modulation Technology	DSSS, OFDM, FHSS, DTS, OFDMA
Data Rate	BT: GFSK: 1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps, 2Mbps WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 MCS0 – MCS9, VHT20/40(TurboQAM) 802.11ax: MCS0 – MCS11,HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80 802.11ax: MCS0 – MCS11, HE20/40/80 6GHz: 802.11ax: MCS0 – MCS11, HE20/40/80/160
Antenna Type	PCB Antenna
Antenna Gain	For BT / BLE: 2400-2500MHz:ANT 5:4.6dBi For WLAN: 2400-2500MHz: ANT 1: 2.80dBi, ANT 2: 3.10dBi 5150-5250MHz: ANT 1: 3.80dBi, ANT 2: 3.60dBi 5725-5850MHz: ANT 1: 2.90dBi, ANT 2: 3.70dBi 6115~6415MHz:ANT 3: 4.50dBi, ANT 4: 4.10dBi 6435~6515MHz: ANT 3: 4.10dBi, ANT 4: 4.50dBi 6535~6855MHz: ANT 3: 4.50dBi, ANT 4: 4.50dBi 6875~7115MHz: ANT 3: 4.00dBi, ANT 4: 3.70dBi



Note:

- 1. WLAN 2.4G 802.11n Support TurboQAM.
- 2. EUT support TPC Function.
- 3. EUT support AP/ bridge mode.
- 4. 802.11ax support beamforming Function.
- 5. EUT Indoor access point
- 6. For more details, please refer to the User's manual of the EUT.

The differences between all model numbers as follow:

Model	Trade name	PoE
WPXE8326	LITEON	Yes
WRXE8326	LITEON	No
WAP-2E	PoEWit	Yes

Note: After engineering evaluation, WPXE8326 for worst case and for presentation of report data



### 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)
<b>*36</b>	<b>5180</b>	44	5220
<b>*40</b>	<b>5200</b>	<b>*48</b>	<b>5240</b>

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
<b>*38</b>	<b>5190</b>	<b>*46</b>	<b>5230</b>

802.11ac VHT80 , 802.11ax HE80

Channel	Frequency(MHz)
<b>*42</b>	<b>5210</b>

Band: 5725MHz-5850MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
<b>*151</b>	<b>5755</b>	<b>*159</b>	<b>5795</b>

802.11ac VHT80, 802.11ax HE80

Channel	Frequency(MHz)
<b>*155</b>	<b>5775</b>

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 V 5.0-00202" under Windows OS system was executed to transmit and receive data via WLAN. (Non BeamForming)
- d. An executive program, " command" under Windows OS system was executed to transmit and receive data via WLAN. (BeamForming)
- e. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11a (6Mbps) ,Power from Adapter ,Non BeamForming
2	802.11ax HE20 (7.3Mbps) ,Power from Adapter ,Non BeamForming
3	802.11ax HE40 (14.6Mbps) ,Power from Adapter ,Non BeamForming
4	802.11ax HE80 (30.6Mbps) ,Power from Adapter ,Non BeamForming
5	802.11ax HE20 (7.3Mbps) ,Power from Adapter, BeamForming
6	802.11ax HE40 (14.6Mbps) ,Power from Adapter, BeamForming
7	802.11ax HE80 (30.6Mbps) ,Power from Adapter, BeamForming
8	802.11a (6Mbps) ,Power from PoE,Non BeamForming
9	802.11ax HE20 (7.3Mbps) ,Power from PoE ,Non BeamForming
10	802.11ax HE40 (14.6Mbps) ,Power from PoE ,Non BeamForming
11	802.11ax HE80 (30.6Mbps) ,Power from PoE ,Non BeamForming
12	802.11ax HE20 (7.3Mbps) ,Power from PoE, BeamForming
13	802.11ax HE40 (14.6Mbps) ,Power from PoE, BeamForming
14	802.11ax HE80 (30.6Mbps) ,Power from PoE, BeamForming
caused "Test Mode 2,6" generated the worst case, it was reported as the final data.	
Radiation Emissions (BELOW 1GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) ,Power from Adapter ,Non BeamForming
2	802.11ax HE20 (7.3Mbps) ,Power from Adapter ,Non BeamForming
3	802.11ax HE40 (14.6Mbps) ,Power from Adapter ,Non BeamForming
4	802.11ax HE80 (30.6Mbps) ,Power from Adapter ,Non BeamForming
5	802.11ax HE20 (7.3Mbps) ,Power from Adapter, BeamForming
6	802.11ax HE40 (14.6Mbps) ,Power from Adapter, BeamForming
7	802.11ax HE80 (30.6Mbps) ,Power from Adapter, BeamForming
8	802.11a (6Mbps) ,Power from PoE,Non BeamForming
9	802.11ax HE20 (7.3Mbps) ,Power from PoE ,Non BeamForming
10	802.11ax HE40 (14.6Mbps) ,Power from PoE ,Non BeamForming
11	802.11ax HE80 (30.6Mbps) ,Power from PoE ,Non BeamForming
12	802.11ax HE20 (7.3Mbps) ,Power from PoE, BeamForming
13	802.11ax HE40 (14.6Mbps) ,Power from PoE, BeamForming
14	802.11ax HE80 (30.6Mbps) ,Power from PoE, 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) ,Power from Adapter ,Non BeamForming
2	802.11ax HE20 (7.3Mbps) ,Power from Adapter ,Non BeamForming
3	802.11ax HE40 (14.6Mbps) ,Power from Adapter ,Non BeamForming
4	802.11ax HE80 (30.6Mbps) ,Power from Adapter ,Non BeamForming
5	802.11ax HE20 (7.3Mbps) ,Power from Adapter, BeamForming
6	802.11ax HE40 (14.6Mbps) ,Power from Adapter, BeamForming
7	802.11ax HE80 (30.6Mbps) ,Power from Adapter, BeamForming

caused "Test Mode 1~7" generated the worst case, they were reported as the final data.

Note:1. There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.  
 For AC Power Line Conducted Emission, & Radiation Emissions (BELOW 1GHz)  
 & Radiated Spurious Emission(1GHz ~ 40GHz) AC 120V / 60Hz is 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
802.11ax HE20	2TX
802.11ax HE40	2TX
802.11ax HE80	2TX



## 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
Adaptor	APD	WB-24Q12FU	1.5m / 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	1.2m / NS	N/A
Adaptor	APD	WA-24Q12FU	1.5m / NS	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable*2	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor	APD	WA-24Q12FU	1.5m / NS	N/A
POE	UBIQUITI	GP-V480-032G	N/A	0.6m / NS



BeamForming

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable*3	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor	APD	WB-24Q12FU	1.5m / NS	N/A
POE	UBIQUITI	GP-V480-032G	N/A	0.6m / NS
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook*2	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor*2	APD	WA-24Q12FU	1.5m / NS	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable*3	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Adaptor	APD	WA-24Q12FU	1.5m / NS	N/A
POE	UBIQUITI	GP-V480-032G	N/A	0.6m / NS

**2.5. General Information of Test**

Test Site	<b>Cerpass Technology Corporation Test Laboratory</b> 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	2023/01/07~2023/01/25	23~26.9°C / 49~60%	Leon Huang
Radiated Emissions	3M02-NK	2023/1/12~2023/1/30	22~23°C / 50~60%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2023/02/02	21°C / 57%	Leon Huang

**BeamForming**

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2023/01/28	23.8°C / 50%	Leon Huang
Radiated Emissions	3M02-NK	2023/1/17~2023/01/30	15~20°C / 43~51%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2023/02/02	21°C / 57%	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

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	275	2022/11/18	2023/11/17
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	2023/04/08
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2022/4/9	2023/04/08
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50314	2022/4/9	2023/04/08
Cable-3m(1G-40G)	Rapidtek	40GHZ 300CM	38MS-38MS300314	2022/4/9	2023/04/08
Cable-8m(10M-26.5G)	HUBER SUHNER	SF126E	587398	2022/10/7	2023/10/06
Cable-3m(10M-26.5G)	HUBER SUHNER	SF126E	587399	2022/10/7	2023/10/06
Cable-1m(10M-40G)	HUBER SUHNER	SF102	804398/2	2022/10/11	2023/10/10
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
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



<b>Test Item</b>	AC Power Line Conducted Emission				
<b>Test Site</b>	CON02-NK				
<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Serial No</b>	<b>Calibration Date</b>	<b>Valid Date</b>
EMI Receiver	ROHDE & SCHWARZ	ESCI	100821	2019/09/16	2020/09/15
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-516	2019/09/19	2020/09/18
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101933	2019/09/11	2020/09/10
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2019/09/11	2020/09/10
E3	AUDIX	v8.2014-8-6	RK-000531	NA	NA





## 4. Antenna Requirements

### 4.1. Standard Applicable

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

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



### 4.2. Antenna Construction and Directional Gain

Antenna Type	PCB Antenna
Antenna Gain	5150-5250MHz: ANT 1: 3.80dBi, ANT 2: 3.60dBi 5725-5850MHz: ANT 1: 2.90dBi, ANT 2: 3.70dBi

#### **(Non-Beamforming)**

5150MHz -5250MHz
For Power directional gain= $G_{ant}= 3.8$ (dBi)
For PSD directional gain = $10 \log[(10^{G^1/20} + 10^{G^2/20} + \dots + 10^{G^N/20})^2 / N_{ANT}] = 6.71$ (dBi)
5725MHz -5850MHz
For Power directional gain= $G_{ant}= 3.70$ (dBi)
For PSD directional gain = $10 \log[(10^{G^1/20} + 10^{G^2/20} + \dots + 10^{G^N/20})^2 / N_{ANT}] = 6.32$ (dBi)

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

#### **(Beamforming)**

5150MHz -5250MHz
For Power directional gain= $10 \log[(10^{G^1/20} + 10^{G^2/20} + \dots + 10^{G^N/20})^2 / N_{ANT}] = 6.71$ (dBi)
For PSD directional gain = $10 \log[(10^{G^1/20} + 10^{G^2/20} + \dots + 10^{G^N/20})^2 / N_{ANT}] = 6.71$ (dBi)
5725MHz -5850MHz
For Power directional gain= $10 \log[(10^{G^1/20} + 10^{G^2/20} + \dots + 10^{G^N/20})^2 / N_{ANT}] = 6.32$ (dBi)
For PSD directional gain = $10 \log[(10^{G^1/20} + 10^{G^2/20} + \dots + 10^{G^N/20})^2 / N_{ANT}] = 6.32$ (dBi)



## 5. Test of AC Power Line Conducted Emission

### 5.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.10-2013. 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 $\mu$ V)	Average (dB $\mu$ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

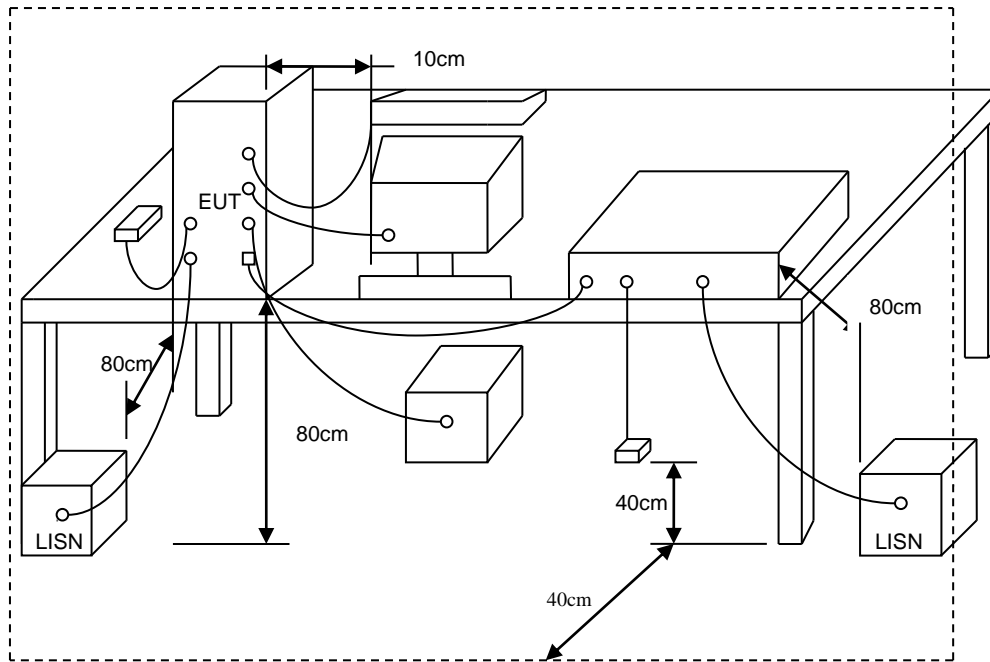
\*Decreases with the logarithm of the frequency.

### 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

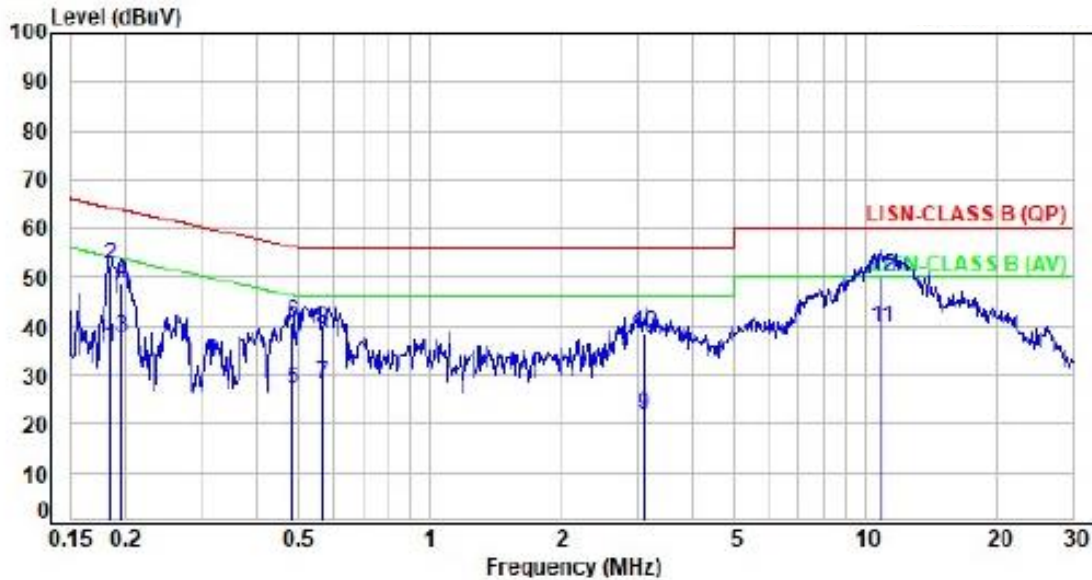




5.4. Test Result and Data

Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: LINE
Test Mode	: Mode 2		:



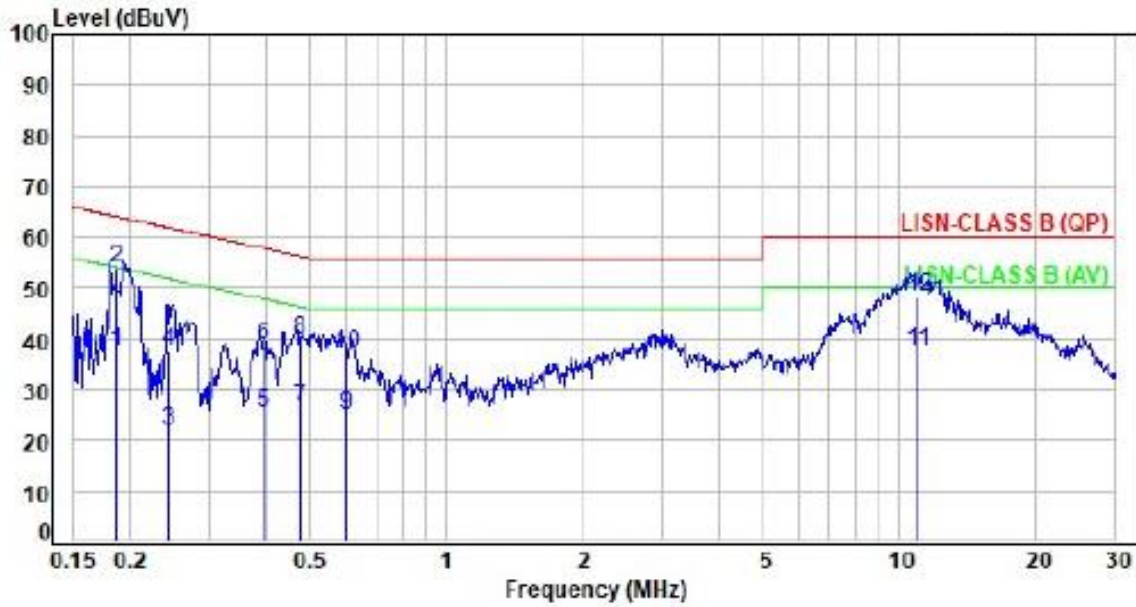
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.19	19.50	16.29	35.79	54.25	-18.46	Average	P
2	0.19	19.50	33.11	52.61	64.25	-11.64	QP	P
3	0.20	19.49	18.17	37.66	53.77	-16.11	Average	P
4	0.20	19.49	29.24	48.73	63.77	-15.04	QP	P
5	0.49	19.51	7.39	26.90	46.25	-19.35	Average	P
6	0.49	19.51	21.17	40.68	56.25	-15.57	QP	P
7	0.56	19.51	8.82	28.33	46.00	-17.67	Average	P
8	0.56	19.51	19.52	39.03	56.00	-16.97	QP	P
9	3.08	19.65	2.18	21.83	46.00	-24.17	Average	P
10	3.08	19.65	18.90	38.55	56.00	-17.45	QP	P
11	10.85	19.84	19.72	39.56	50.00	-10.44	Average	P
12	10.85	19.84	30.41	50.25	60.00	-9.75	QP	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: NEUTRAL
Test Mode	: Mode 2		:



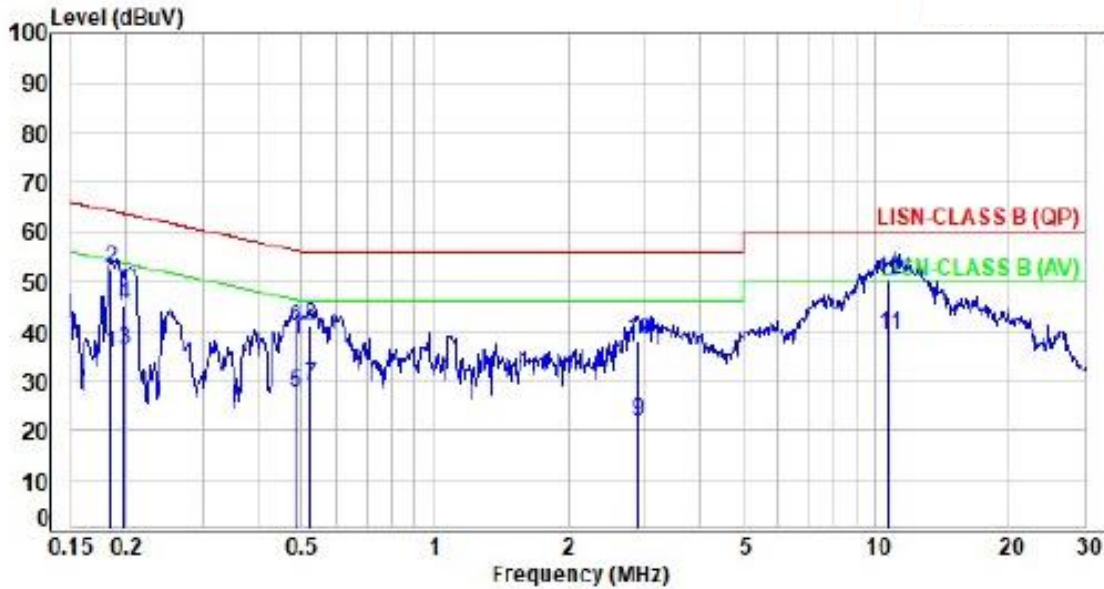
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.19	19.50	18.33	37.83	54.16	-16.33	Average	P
2	0.19	19.50	34.68	54.18	64.16	-9.98	QP	P
3	0.24	19.50	2.63	22.13	51.95	-29.82	Average	P
4	0.24	19.50	18.19	37.69	61.95	-24.26	QP	P
5	0.39	19.51	5.96	25.47	47.98	-22.51	Average	P
6	0.39	19.51	19.24	38.75	57.98	-19.23	QP	P
7	0.48	19.51	7.22	26.73	46.41	-19.68	Average	P
8	0.48	19.51	20.32	39.83	56.41	-16.58	QP	P
9	0.60	19.52	5.64	25.16	46.00	-20.84	Average	P
10	0.60	19.52	17.58	37.10	56.00	-18.90	QP	P
11	11.01	19.81	17.90	37.71	50.00	-12.29	Average	P
12	11.01	19.81	28.34	48.15	60.00	-11.85	QP	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: LINE
Test Mode	: Mode 6		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Detector	P/F
1	0.18	19.50	15.73	35.23	54.28	-19.05	Average	P
2	0.18	19.50	32.99	52.49	64.28	-11.79	QP	P
3	0.20	19.49	16.52	36.01	53.72	-17.71	Average	P
4	0.20	19.49	25.59	45.08	63.72	-18.64	QP	P
5	0.49	19.51	7.95	27.46	46.25	-18.79	Average	P
6	0.49	19.51	21.32	40.83	56.25	-15.42	QP	P
7	0.52	19.51	9.36	28.87	46.00	-17.13	Average	P
8	0.52	19.51	21.41	40.92	56.00	-15.08	QP	P
9	2.90	19.65	1.86	21.51	46.00	-24.49	Average	P
10	2.90	19.65	18.53	38.18	56.00	-17.82	QP	P
11	10.69	19.83	19.23	39.06	50.00	-10.94	Average	P
12	10.69	19.83	30.19	50.02	60.00	-9.98	QP	P

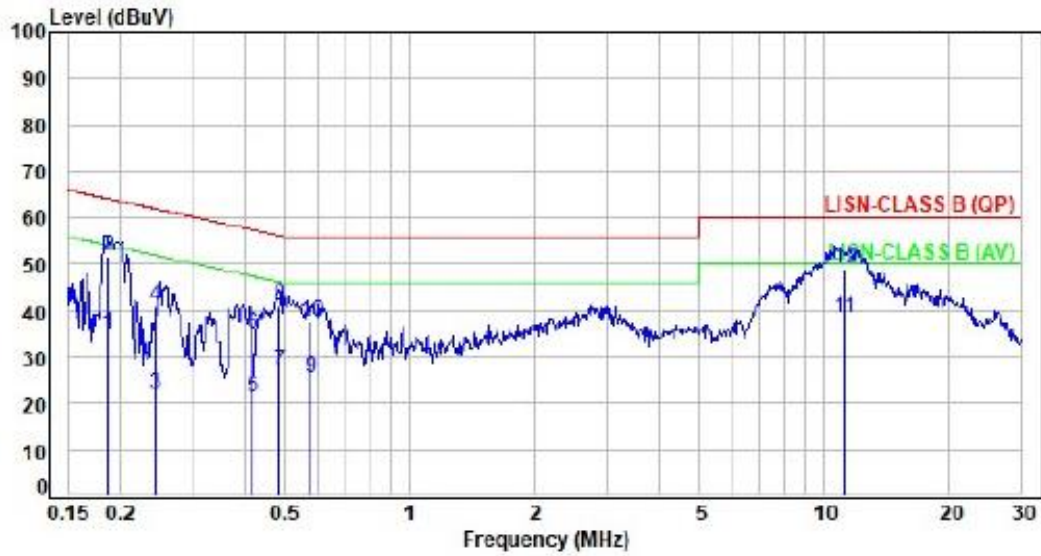
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=(LISN or ISN or Current Probe)Factor + Cable Loss





BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: NEUTRAL
Test Mode	: Mode 6		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.19	19.50	15.52	35.02	54.20	-19.18	Average	P
2	0.19	19.50	32.14	51.64	64.20	-12.56	QP	P
3	0.24	19.50	2.61	22.11	51.96	-29.85	Average	P
4	0.24	19.50	21.50	41.00	61.96	-20.96	QP	P
5	0.42	19.51	1.66	21.17	47.53	-26.36	Average	P
6	0.42	19.51	15.42	34.93	57.53	-22.60	QP	P
7	0.49	19.51	7.34	26.85	46.25	-19.40	Average	P
8	0.49	19.51	21.58	41.09	56.25	-15.16	QP	P
9	0.58	19.51	5.91	25.42	46.00	-20.58	Average	P
10	0.58	19.51	18.16	37.67	56.00	-18.33	QP	P
11	11.21	19.81	18.76	38.57	50.00	-11.43	Average	P
12	11.21	19.81	29.27	49.08	60.00	-10.92	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.

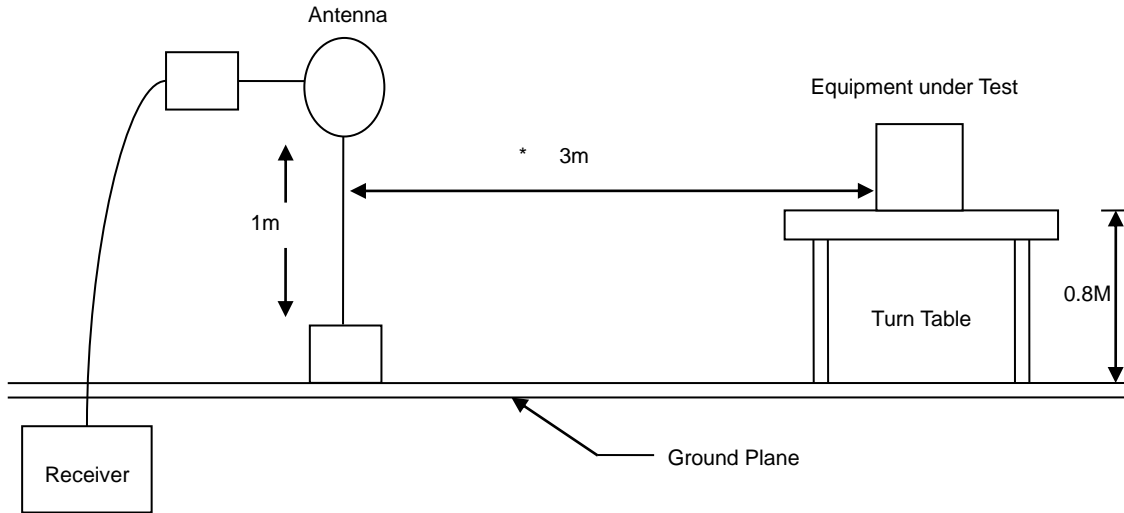
Note:

- 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.  
(Z-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.

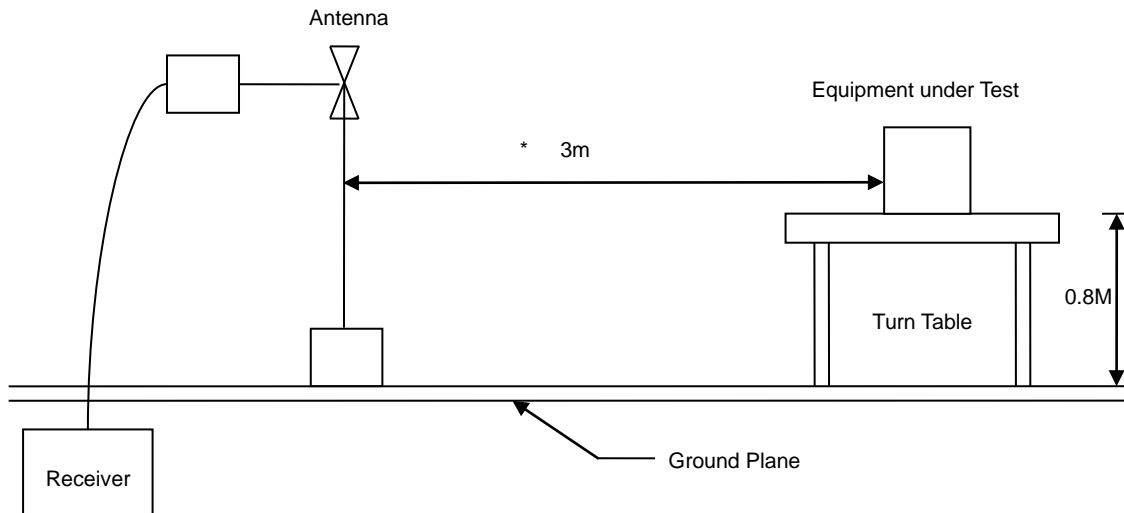


### 6.3. Typical Test Setup

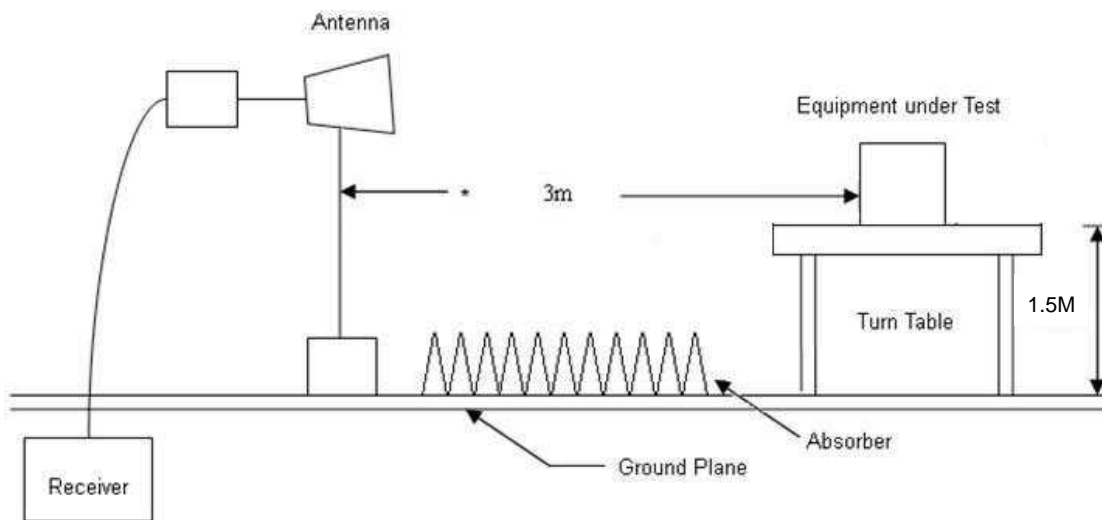
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup





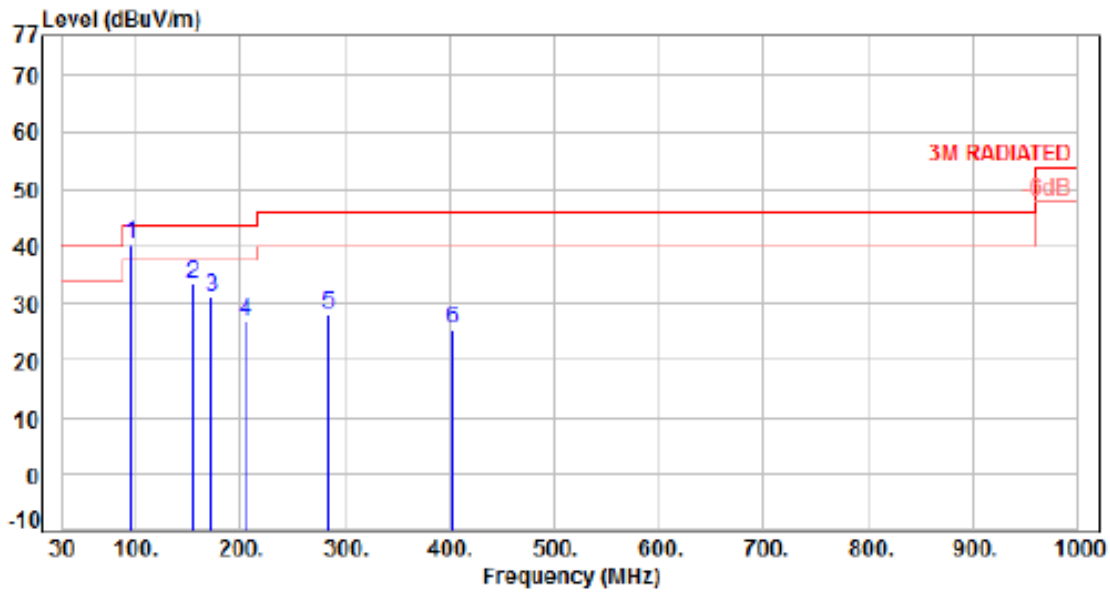
### 6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	LINE
Test Mode	:	Mode 2		:	



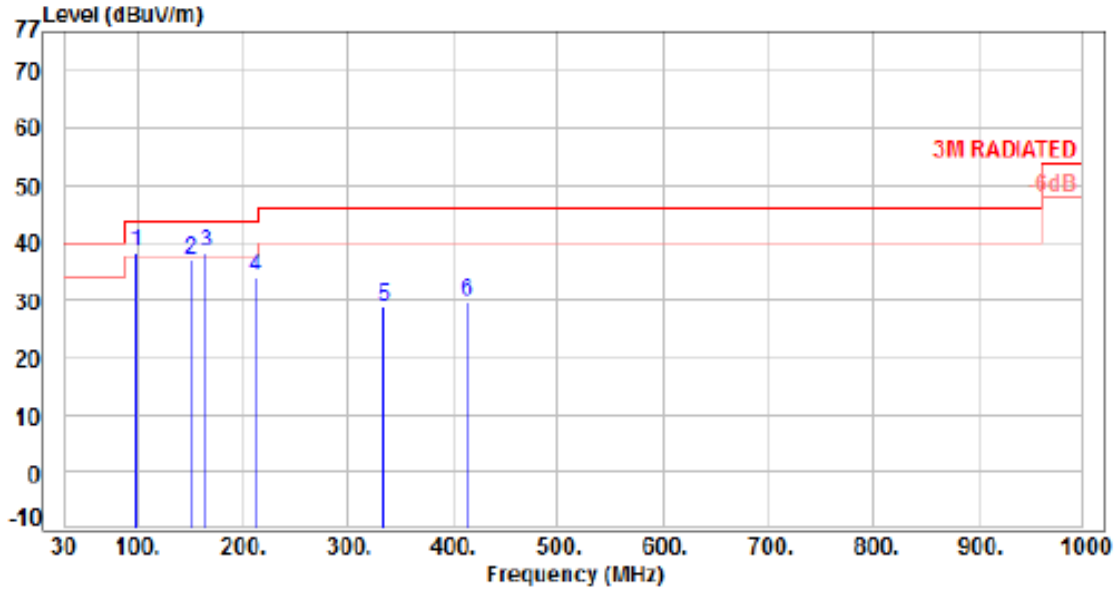
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	95.96	-15.00	55.26	40.26	43.50	-3.24	Peak	100	0	P
2	154.16	-9.95	43.45	33.50	43.50	-10.00	Peak	100	0	P
3	171.62	-10.43	41.52	31.09	43.50	-12.41	Peak	100	0	P
4	204.60	-13.02	39.90	26.88	43.50	-16.62	Peak	100	0	P
5	284.14	-9.52	37.59	28.07	46.00	-17.93	Peak	100	0	P
6	402.48	-6.35	31.70	25.35	46.00	-20.65	Peak	100	0	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: NEUTRAL
Test Mode	: Mode 2		:



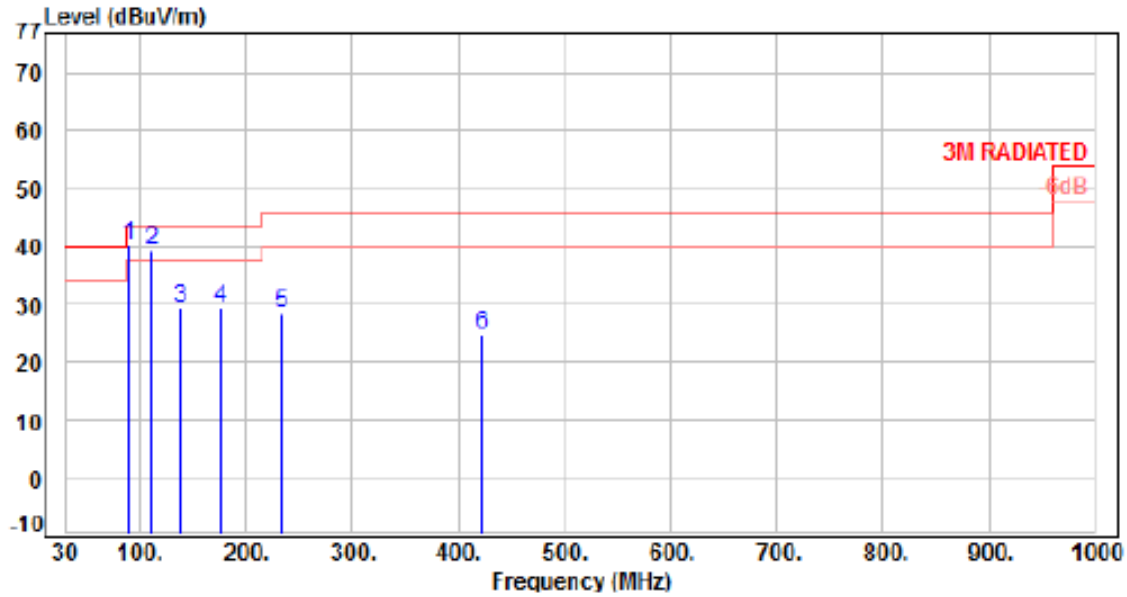
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	97.90	-14.86	53.25	38.39	43.50	-5.11	Peak	100	0	P
2	150.28	-10.00	46.87	36.87	43.50	-6.63	Peak	100	0	P
3	165.80	-10.14	48.33	38.19	43.50	-5.31	Peak	100	0	P
4	212.36	-12.89	46.98	34.09	43.50	-9.41	Peak	100	0	P
5	334.58	-8.10	36.96	28.86	46.00	-17.14	Peak	100	0	P
6	414.12	-6.02	35.77	29.75	46.00	-16.25	Peak	100	0	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: LINE
Test Mode	: Mode 6		:



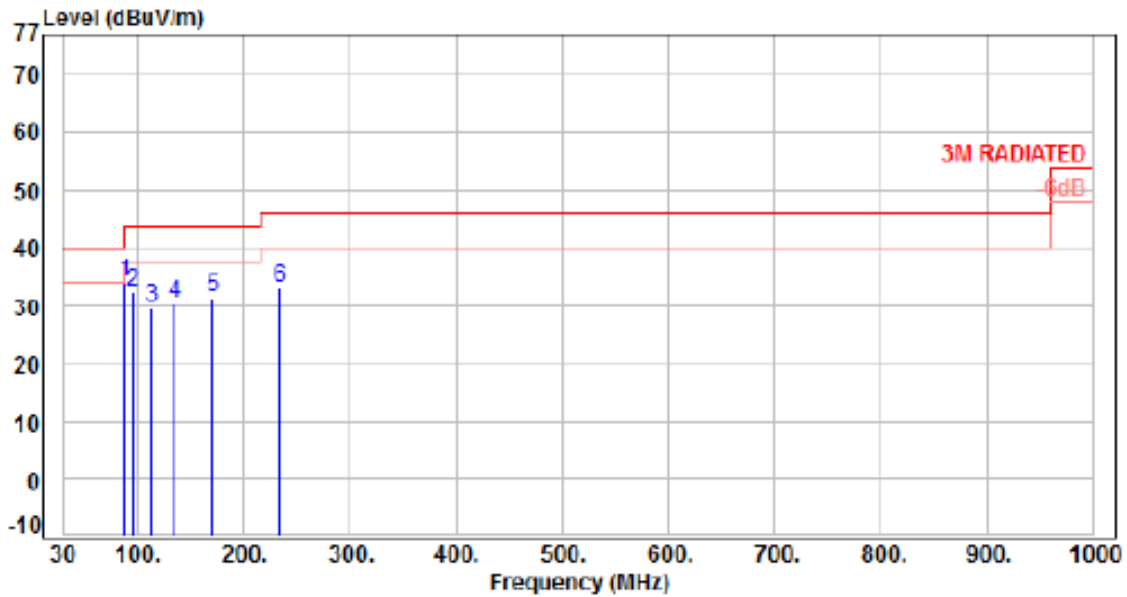
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	89.17	-15.78	56.05	40.27	43.50	-3.23	Peak	100	360	P
2	111.48	-13.10	52.38	39.28	43.50	-4.22	Peak	100	360	P
3	138.64	-10.78	40.00	29.22	43.50	-14.28	Peak	100	360	P
4	175.50	-10.79	40.06	29.27	43.50	-14.23	Peak	100	360	P
5	233.70	-12.51	40.79	28.28	46.00	-17.72	Peak	100	360	P
6	421.88	-5.59	30.31	24.72	46.00	-21.28	Peak	100	360	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: NEUTRAL
Test Mode	: Mode 6		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	88.20	-15.66	49.51	33.85	43.50	-9.65	Peak	100	0	P
2	95.96	-15.00	47.50	32.50	43.50	-11.00	Peak	100	0	P
3	113.42	-12.90	42.76	29.86	43.50	-13.64	Peak	100	0	P
4	134.76	-11.29	41.72	30.43	43.50	-13.07	Peak	100	0	P
5	170.65	-10.41	41.64	31.23	43.50	-12.27	Peak	100	0	P
6	233.70	-12.51	45.49	32.98	46.00	-13.02	Peak	100	0	P

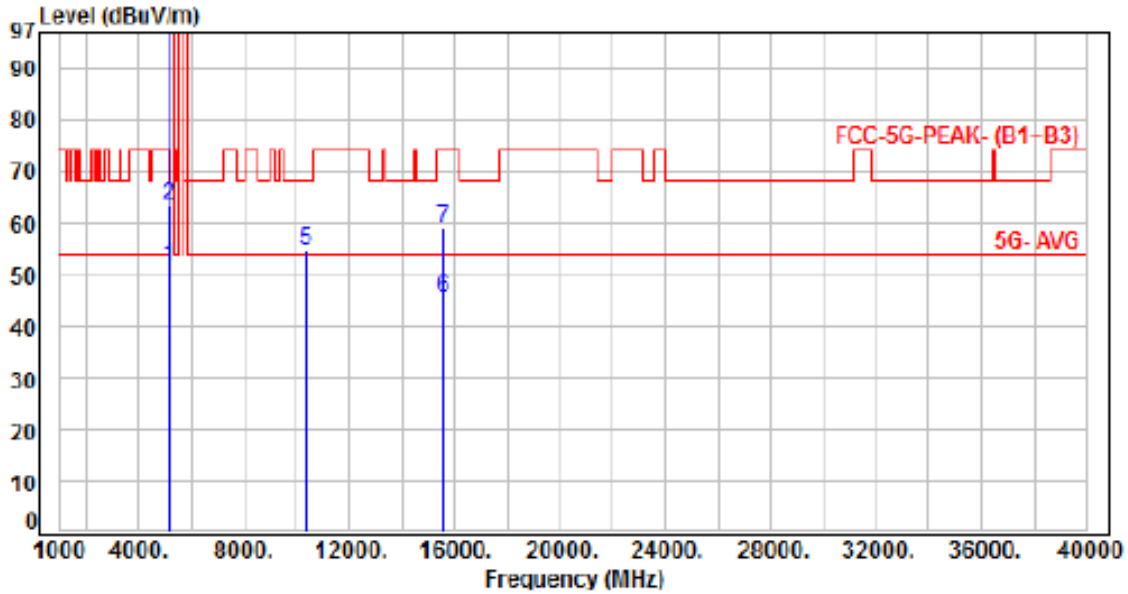
Note: Level=Reading+Factor  
Margin=Level-limit  
Factor=Antenna Factor + cable loss - Amplifier Factor



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

Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 1, CH36		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	45.97	51.73	54.00	-2.27	Average	108	132	P
2	5150.00	5.76	57.63	63.39	74.00	-10.61	Peak	108	132	P
3	5180.00	5.84	103.28	109.12	200.00	-90.88	Average	108	132	P
4	5180.00	5.84	112.84	118.68	200.00	-81.32	Peak	108	132	P
5	10360.00	13.14	41.50	54.64	68.20	-13.56	Peak	100	112	P
6	15540.00	15.66	29.82	45.48	54.00	-8.52	Average	100	112	P
7	15540.00	15.66	43.28	58.94	74.00	-15.06	Peak	100	112	P

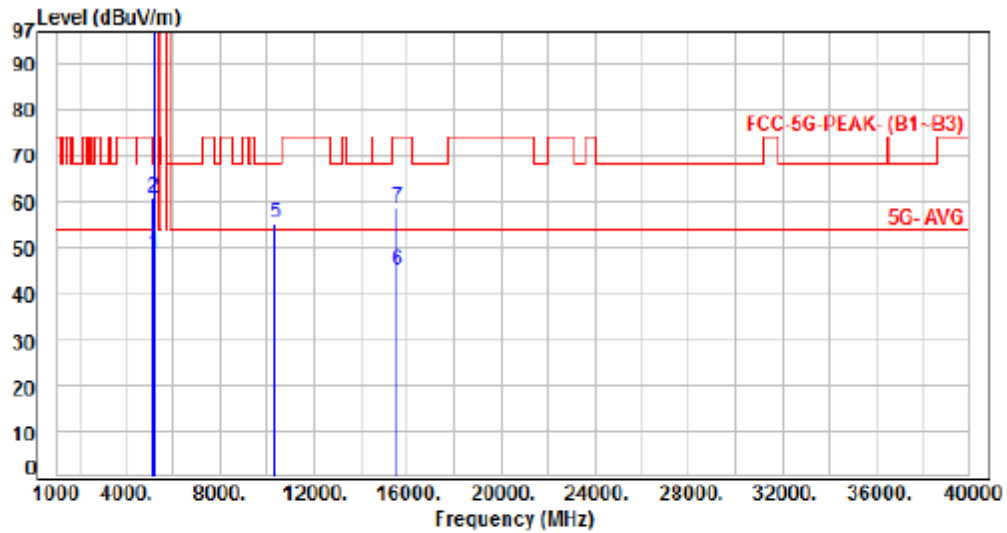
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 1, CH36		



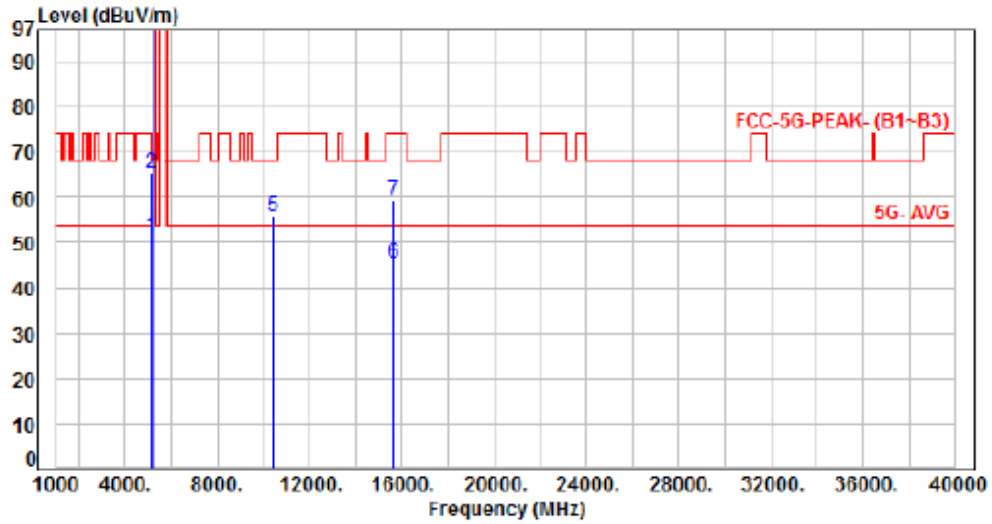
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	43.10	48.86	54.00	-5.14	Average	364	261	P
2	5150.00	5.76	55.26	61.02	74.00	-12.98	Peak	364	261	P
3	5180.00	5.84	100.55	106.39	200.00	-93.61	Average	364	261	P
4	5180.00	5.84	110.18	116.02	200.00	-83.98	Peak	364	261	P
5	10360.00	13.14	42.17	55.31	68.20	-12.89	Peak	100	289	P
6	15540.00	15.66	29.46	45.12	54.00	-8.88	Average	100	141	P
7	15540.00	15.66	42.93	58.59	74.00	-15.41	Peak	100	141	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 1, CH40		



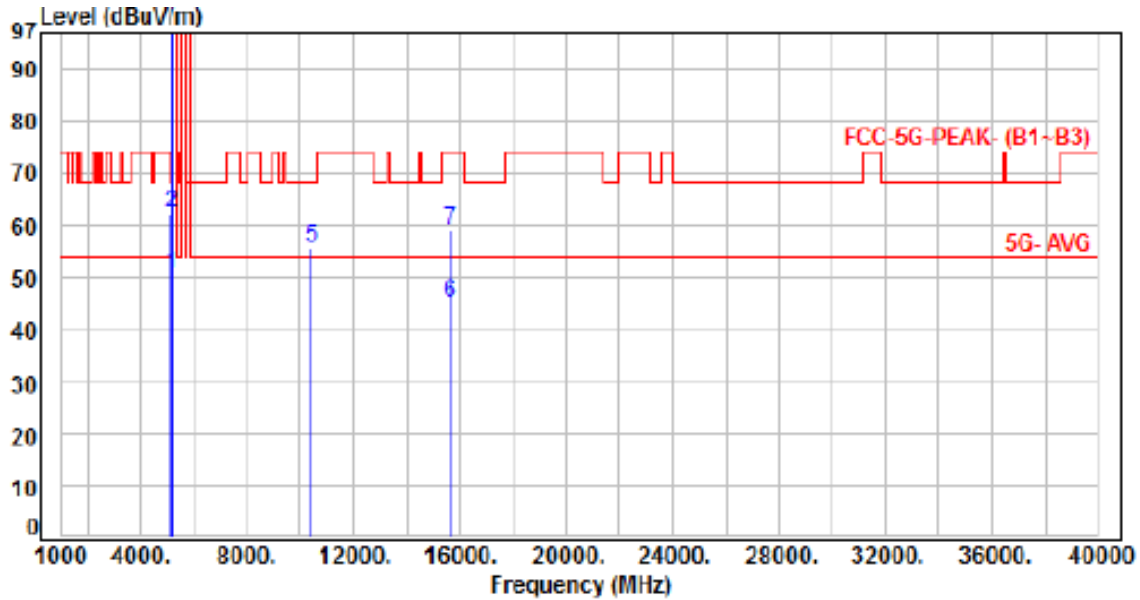
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	45.45	51.21	54.00	-2.79	Average	117	134	P
2	5150.00	5.76	59.52	65.28	74.00	-8.72	Peak	117	134	P
3	5200.00	5.89	106.21	112.10	200.00	-87.90	Average	117	134	P
4	5200.00	5.89	116.23	122.12	200.00	-77.88	Peak	117	134	P
5	10400.00	13.17	42.34	55.51	68.20	-12.69	Peak	100	113	P
6	15600.00	15.58	29.95	45.53	54.00	-8.47	Average	100	175	P
7	15600.00	15.58	43.82	59.40	74.00	-14.60	Peak	100	175	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 1, CH40		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	44.89	50.65	54.00	-3.35	Average	368	263	P
2	5150.00	5.76	56.44	62.20	74.00	-11.80	Peak	368	263	P
3	5200.00	5.89	103.29	109.18	200.00	-90.82	Average	368	263	P
4	5200.00	5.89	112.80	118.69	200.00	-81.31	Peak	368	263	P
5	10400.00	13.17	42.48	55.65	68.20	-12.55	Peak	100	288	P
6	15600.00	15.58	29.27	44.85	54.00	-9.15	Average	100	142	P
7	15600.00	15.58	43.26	58.84	74.00	-15.16	Peak	100	142	P

Note: Level-Reading+Factor

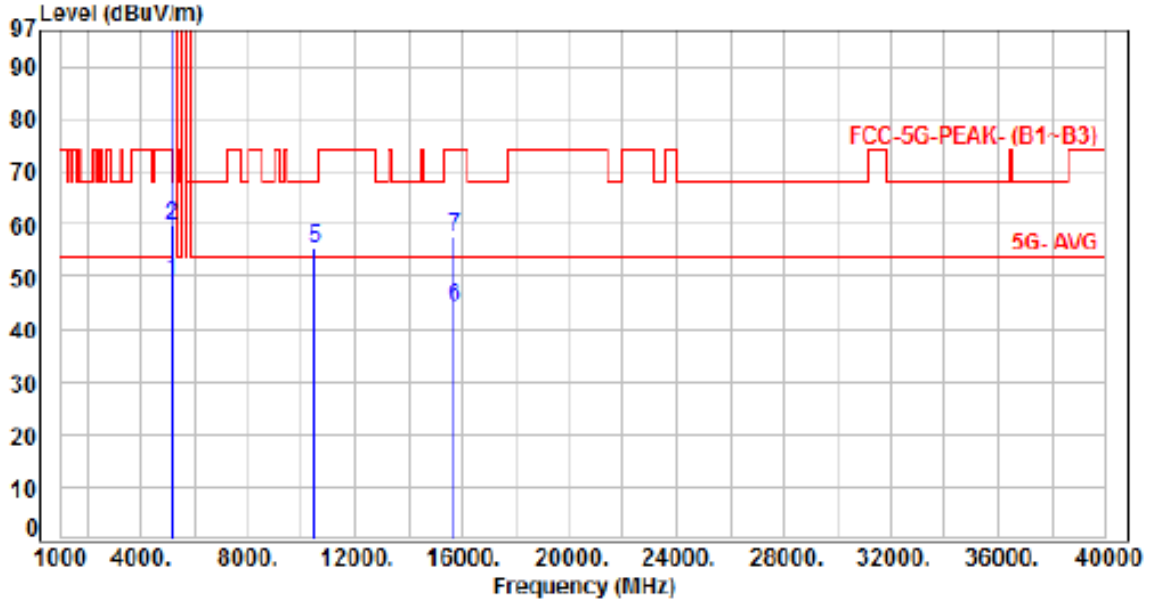
Margin-Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 1, CH48		:



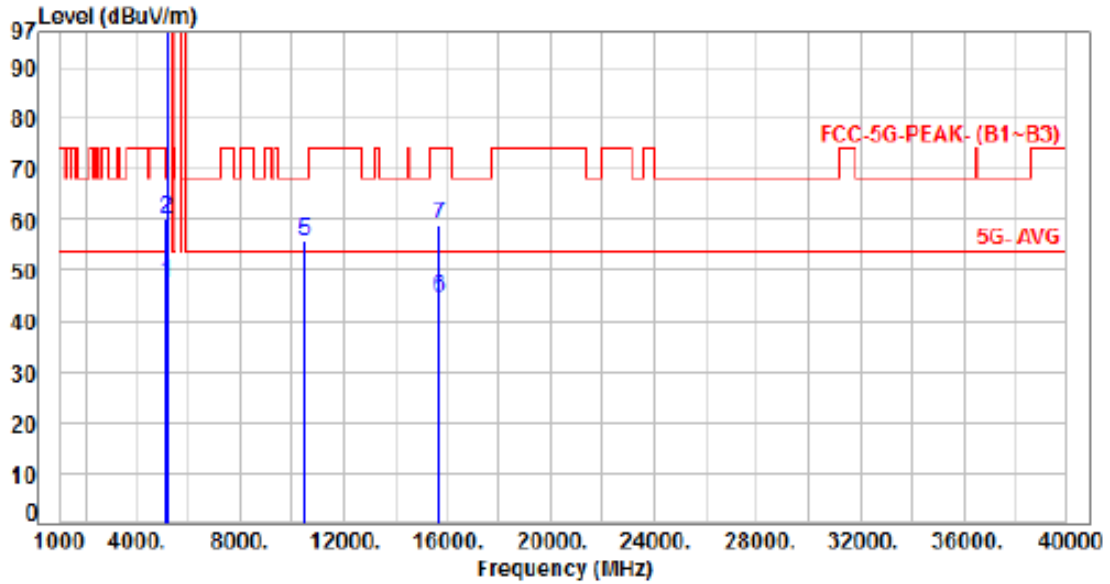
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	43.22	48.98	54.00	-5.02	Average	136	135	P
2	5150.00	5.76	54.17	59.93	74.00	-14.07	Peak	136	135	P
3	5240.00	6.01	105.31	111.32	200.00	-88.68	Average	136	135	P
4	5240.00	6.01	114.71	120.72	200.00	-79.28	Peak	136	135	P
5	10480.00	13.29	41.86	55.15	68.20	-13.05	Peak	100	115	P
6	15720.00	14.87	29.44	44.31	54.00	-9.69	Average	100	174	P
7	15720.00	14.87	42.83	57.70	74.00	-16.30	Peak	100	174	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 1, CH48		



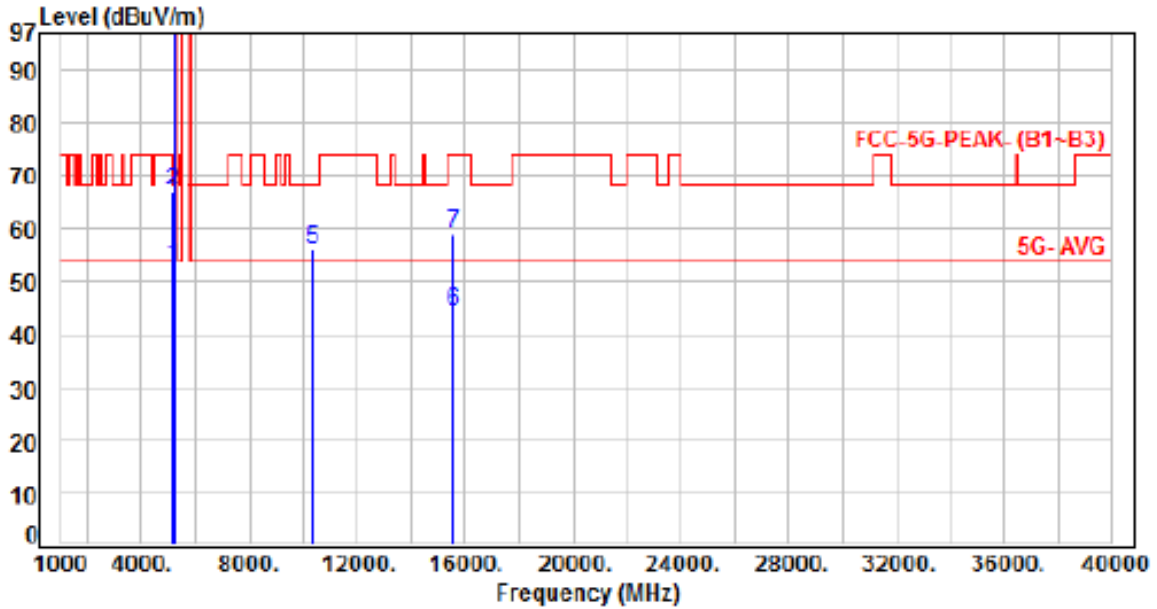
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	41.74	47.50	54.00	-6.50	Average	116	328	P
2	5150.00	5.76	54.20	59.96	74.00	-14.04	Peak	116	328	P
3	5240.00	6.01	100.21	106.22	200.00	-93.78	Average	116	328	P
4	5240.00	6.01	109.67	115.68	200.00	-84.32	Peak	116	328	P
5	10480.00	13.29	42.56	55.85	68.20	-12.35	Peak	100	286	P
6	15720.00	14.87	29.74	44.61	54.00	-9.39	Average	100	140	P
7	15720.00	14.87	44.16	59.03	74.00	-14.97	Peak	100	140	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 1, CH36		



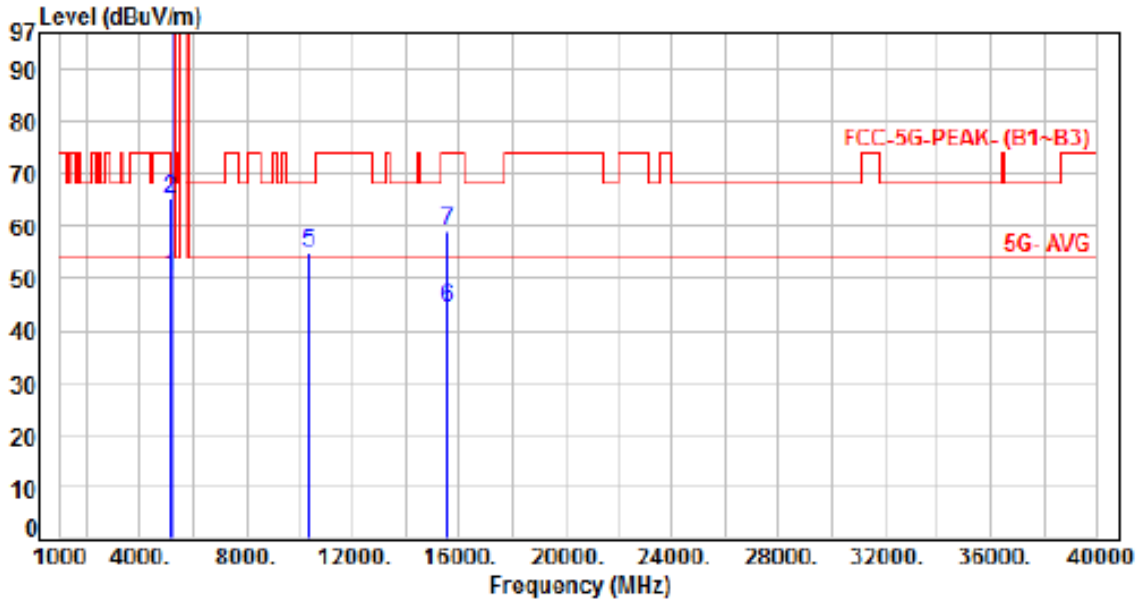
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	46.88	52.64	54.00	-1.36	Average	109	135	P
2	5150.00	5.76	61.31	67.07	74.00	-6.93	Peak	109	135	P
3	5180.00	5.84	101.72	107.56	200.00	-92.44	Average	109	135	P
4	5180.00	5.84	114.10	119.94	200.00	-80.06	Peak	109	135	P
5	10360.00	13.14	42.88	56.02	68.20	-12.18	Peak	100	119	P
6	15540.00	15.66	28.70	44.36	54.00	-9.64	Average	100	119	P
7	15540.00	15.66	43.17	58.83	74.00	-15.17	Peak	100	119	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 1, CH36		



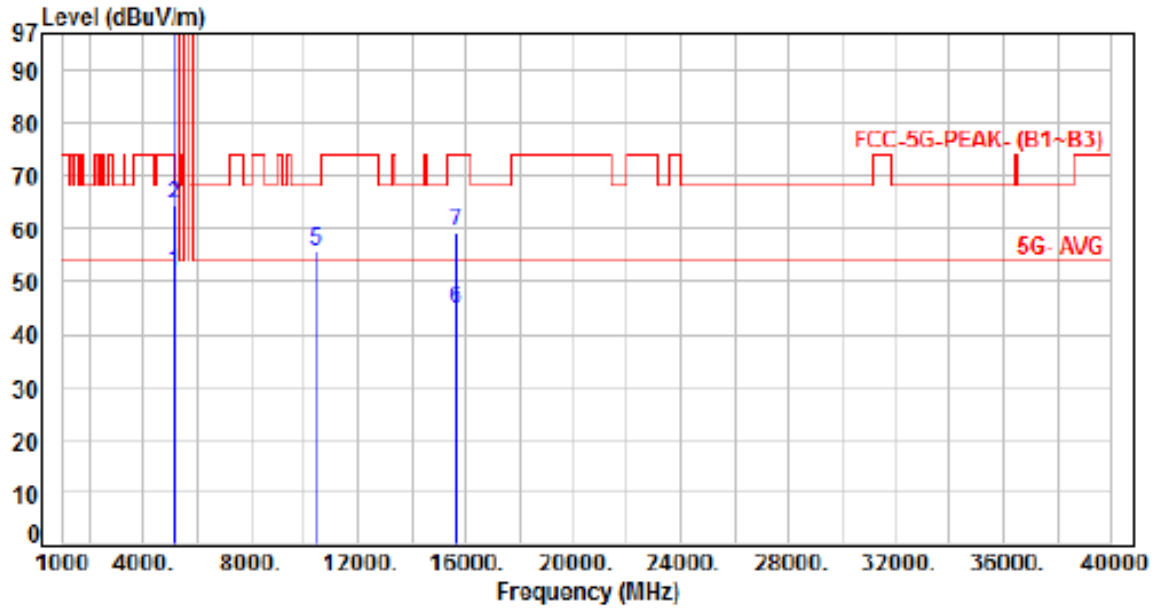
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	44.93	50.69	54.00	-3.31	Average	276	93	P
2	5150.00	5.76	59.61	65.37	74.00	-8.63	Peak	276	93	P
3	5180.00	5.84	101.85	107.69	200.00	-92.31	Average	276	93	P
4	5180.00	5.84	114.23	120.07	200.00	-79.93	Peak	276	93	P
5	10360.00	13.14	41.69	54.83	68.20	-13.37	Peak	100	284	P
6	15540.00	15.66	28.45	44.11	54.00	-9.89	Average	100	137	P
7	15540.00	15.66	43.28	58.94	74.00	-15.06	Peak	100	137	P

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



Non BeamForming

Power	: DC 12V From adapter (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	5.76	45.87	51.63	54.00	-2.37	Average	119	137	P
2	5150.00	5.76	58.89	64.65	74.00	-9.35	Peak	119	137	P
3	5200.00	5.89	104.75	110.64	200.00	-89.36	Average	119	137	P
4	5200.00	5.89	117.23	123.12	200.00	-76.88	Peak	119	137	P
5	10400.00	13.17	42.51	55.68	68.20	-12.52	Peak	100	116	P
6	15600.00	15.58	28.88	44.46	54.00	-9.54	Average	100	174	P
7	15600.00	15.58	43.82	59.40	74.00	-14.60	Peak	100	174	P

Note: Level=Reading+Factor

Margin=Level-Limit

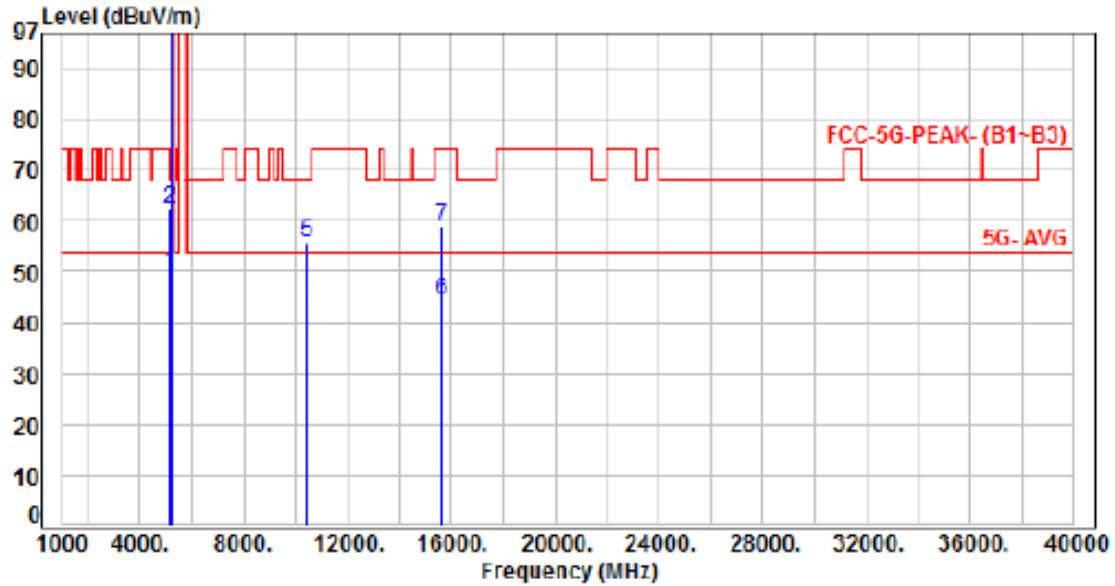
Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming

Power	: DC 12V From adapter (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	5.76	43.73	49.49	54.00	-4.51	Average	368	261	P
2	5150.00	5.76	56.61	62.37	74.00	-11.63	Peak	368	261	P
3	5200.00	5.89	101.85	107.74	200.00	-92.26	Average	368	261	P
4	5200.00	5.89	114.47	120.36	200.00	-79.64	Peak	368	261	P
5	10400.00	13.17	42.46	55.63	68.20	-12.57	Peak	100	284	P
6	15600.00	15.58	28.57	44.15	54.00	-9.85	Average	100	143	P
7	15600.00	15.58	43.61	59.19	74.00	-14.81	Peak	100	143	P

Note: Level=Reading+Factor

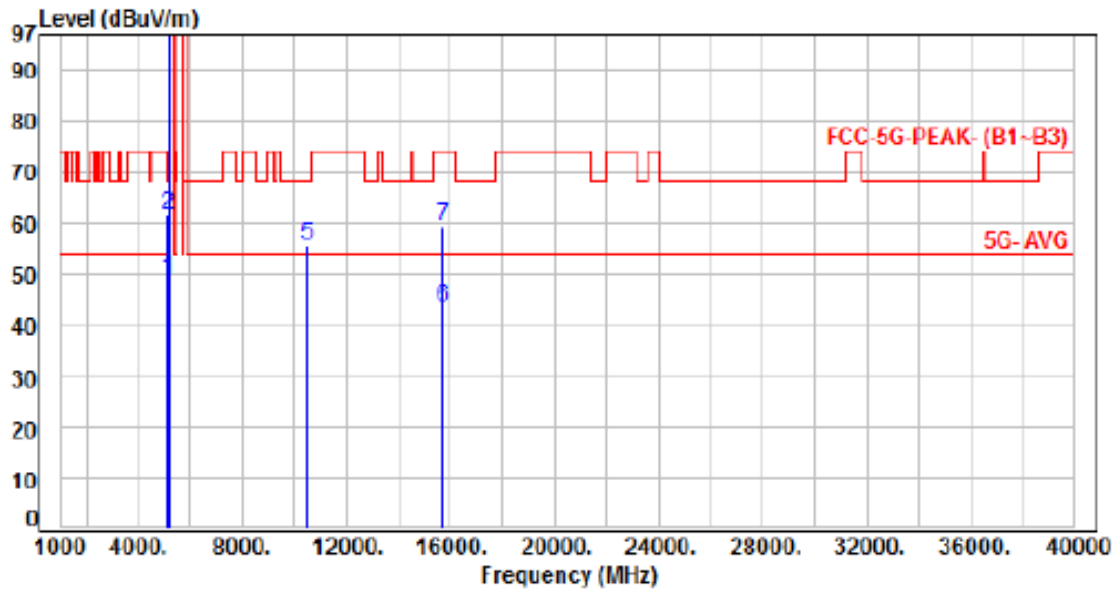
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non BeamForming

Power	: DC 12V From adapter (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	5.76	43.37	49.13	54.00	-4.87	Average	336	162	P
2	5150.00	5.76	55.82	61.58	74.00	-12.42	Peak	336	162	P
3	5240.00	6.01	105.57	111.58	200.00	-88.42	Average	336	162	P
4	5240.00	6.01	118.52	124.53	200.00	-75.47	Peak	336	162	P
5	10480.00	13.29	42.25	55.54	68.20	-12.66	Peak	100	111	P
6	15720.00	14.87	28.73	43.60	54.00	-10.40	Average	100	177	P
7	15720.00	14.87	44.63	59.50	74.00	-14.50	Peak	100	177	P

Note: Level=Reading+Factor

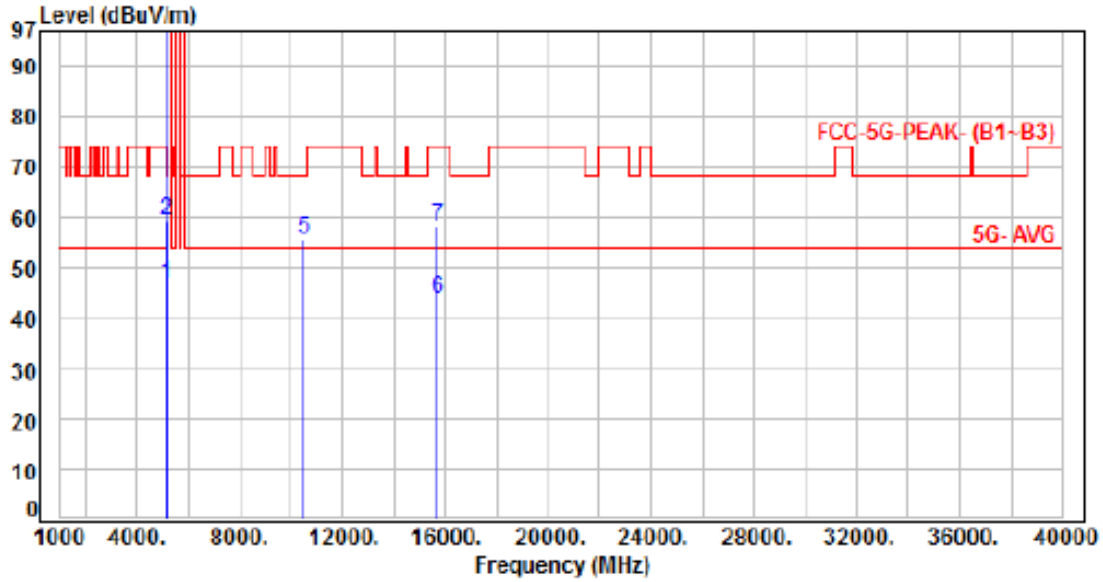
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 1, CH48		



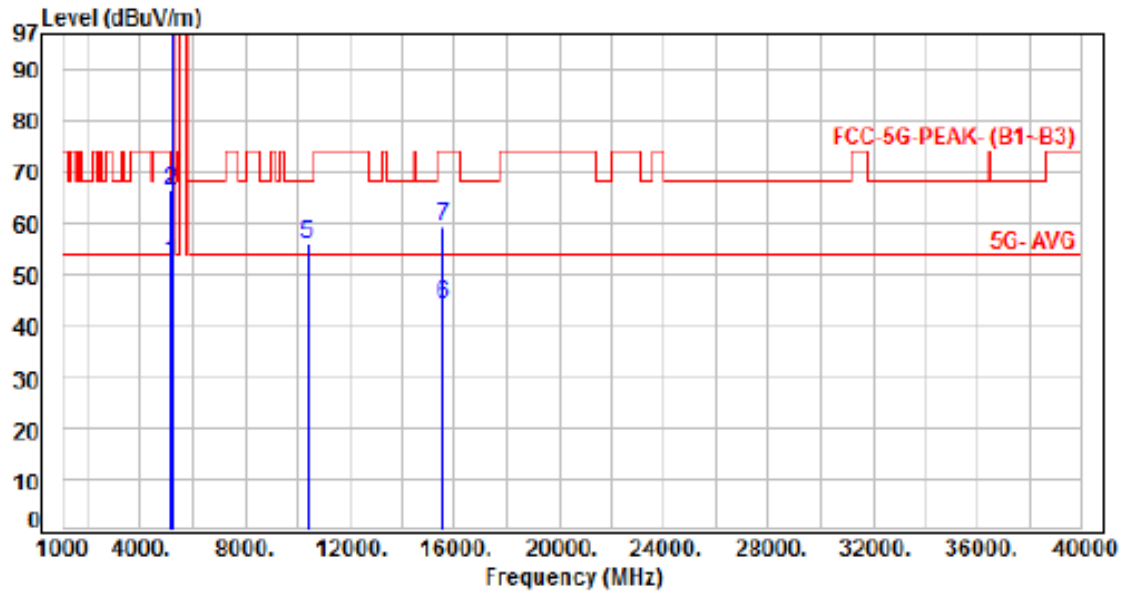
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	41.22	46.98	54.00	-7.02	Average	100	328	P
2	5150.00	5.76	53.77	59.53	74.00	-14.47	Peak	100	328	P
3	5240.00	6.01	100.07	106.08	200.00	-93.92	Average	100	328	P
4	5240.00	6.01	112.81	118.82	200.00	-81.18	Peak	100	328	P
5	10480.00	13.29	42.55	55.84	68.20	-12.36	Peak	100	286	P
6	15720.00	14.87	28.84	43.71	54.00	-10.29	Average	100	141	P
7	15720.00	14.87	43.41	58.28	74.00	-15.72	Peak	100	141	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, Band 1, CH38		



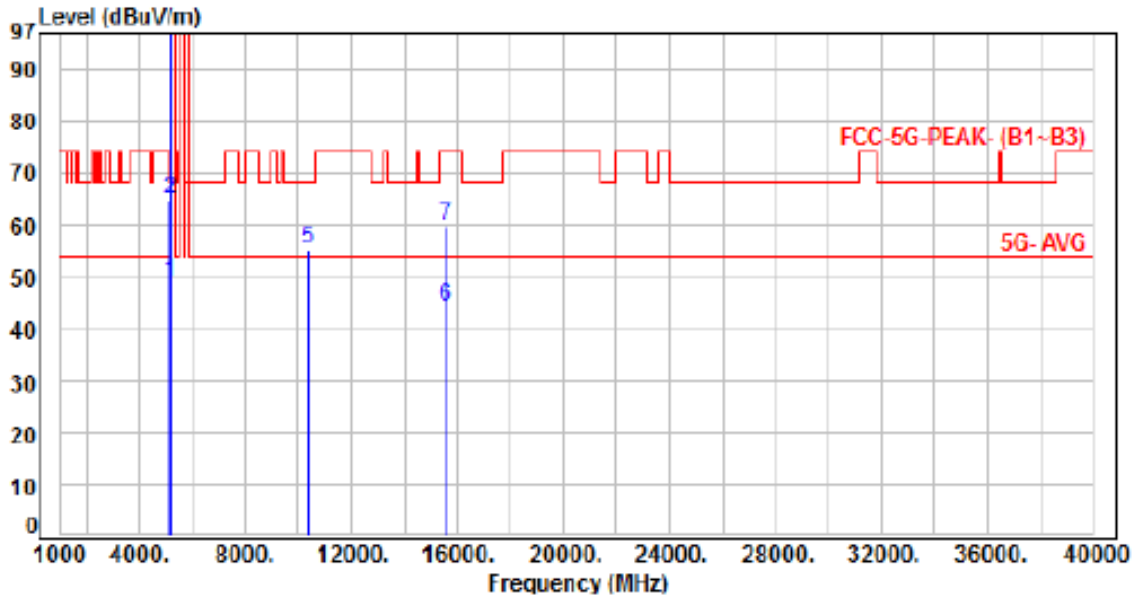
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	46.53	52.29	54.00	-1.71	Average	100	133	P
2	5150.00	5.76	60.62	66.38	74.00	-7.62	Peak	100	133	P
3	5190.00	5.87	97.47	103.34	200.00	-96.66	Average	100	133	P
4	5190.00	5.87	109.88	115.75	200.00	-84.25	Peak	100	133	P
5	10380.00	13.16	42.92	56.08	68.20	-12.12	Peak	100	110	P
6	15570.00	15.62	28.55	44.17	54.00	-9.83	Average	100	171	P
7	15570.00	15.62	43.82	59.44	74.00	-14.56	Peak	100	171	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, Band 1, CH38		



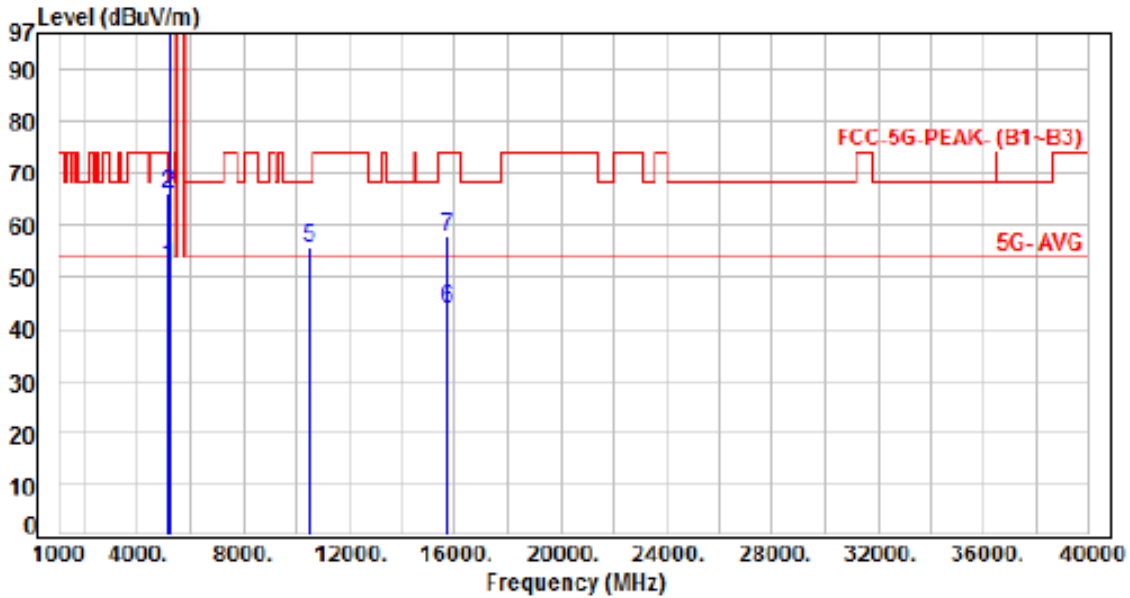
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	43.31	49.07	54.00	-4.93	Average	291	95	P
2	5150.00	5.76	59.13	64.89	74.00	-9.11	Peak	291	95	P
3	5190.00	5.87	97.23	103.10	200.00	-96.90	Average	291	95	P
4	5190.00	5.87	109.40	115.27	200.00	-84.73	Peak	291	95	P
5	10380.00	13.16	42.01	55.17	68.20	-13.03	Peak	100	284	P
6	15570.00	15.62	28.48	44.10	54.00	-9.90	Average	100	142	P
7	15570.00	15.62	43.96	59.58	74.00	-14.42	Peak	100	142	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, Band 1, CH46		



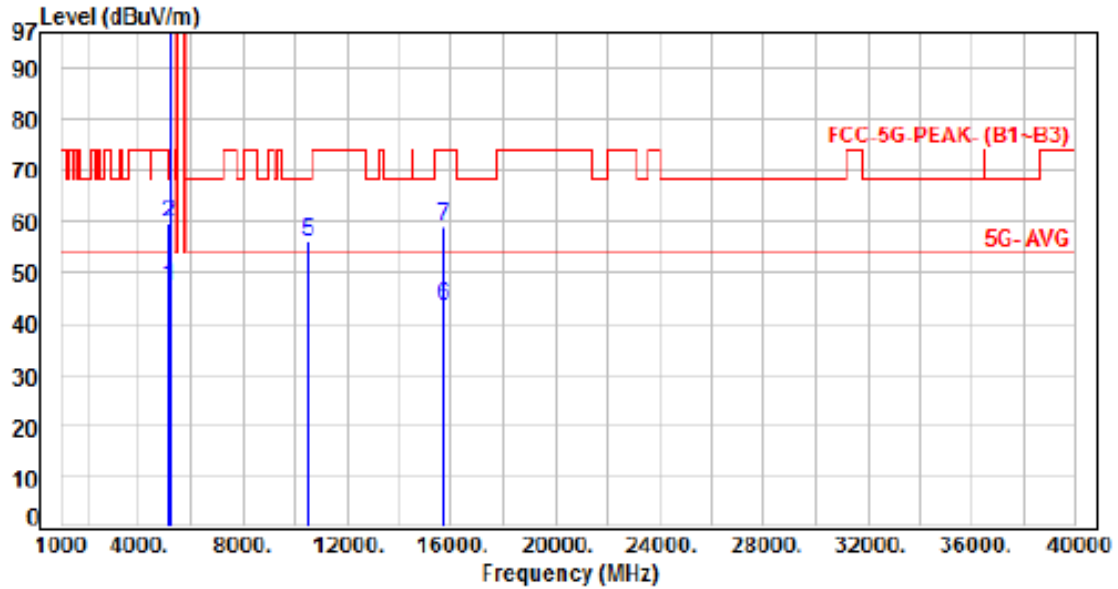
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	46.30	52.06	54.00	-1.94	Average	267	138	P
2	5150.00	5.76	60.17	65.93	74.00	-8.07	Peak	267	138	P
3	5230.00	5.99	101.28	107.27	200.00	-92.73	Average	267	138	P
4	5230.00	5.99	113.52	119.51	200.00	-80.49	Peak	267	138	P
5	10460.00	13.26	42.48	55.74	68.20	-12.46	Peak	100	112	P
6	15690.00	14.92	28.84	43.76	54.00	-10.24	Average	100	177	P
7	15690.00	14.92	42.85	57.77	74.00	-16.23	Peak	100	177	P

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



Non BeamForming

Power	: DC 12V From adapter (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	5.76	41.28	47.04	54.00	-6.96	Average	222	347	P
2	5150.00	5.76	53.90	59.66	74.00	-14.34	Peak	222	347	P
3	5230.00	5.99	97.49	103.48	200.00	-96.52	Average	222	347	P
4	5230.00	5.99	109.98	115.97	200.00	-84.03	Peak	222	347	P
5	10460.00	13.26	42.83	56.09	68.20	-12.11	Peak	100	287	P
6	15690.00	14.92	28.71	43.63	54.00	-10.37	Average	100	144	P
7	15690.00	14.92	44.15	59.07	74.00	-14.93	Peak	100	144	P

Note: Level=Reading+Factor

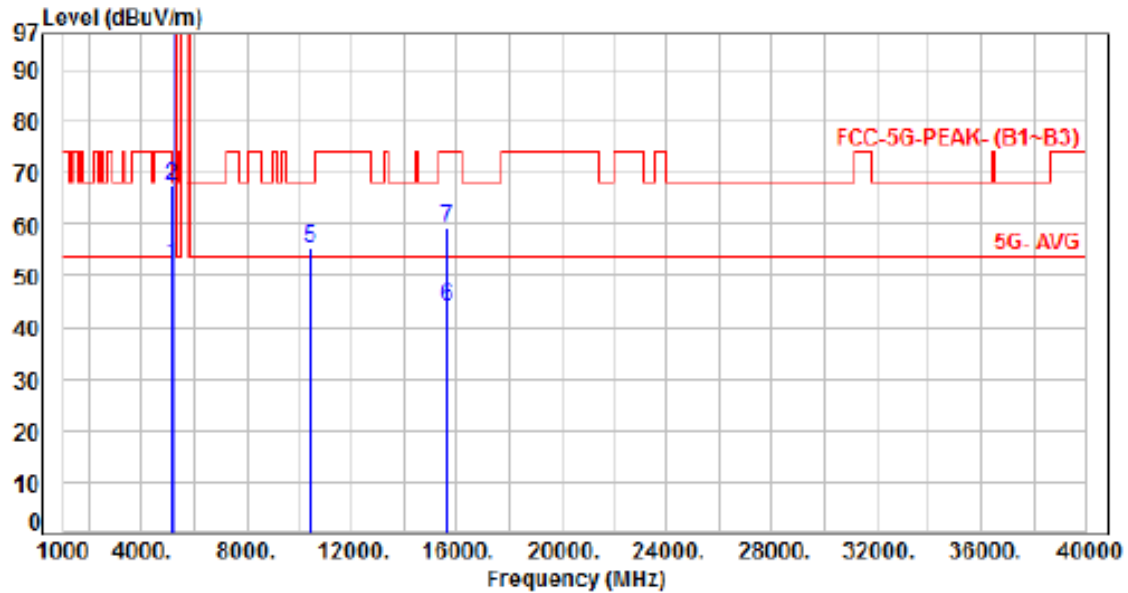
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non BeamForming

Power	: DC 12V From adapter (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	5.76	46.15	51.91	54.00	-2.09	Average	100	132	P
2	5150.00	5.76	61.75	67.51	74.00	-6.49	Peak	100	132	P
3	5210.00	5.93	94.36	100.29	200.00	-99.71	Average	100	132	P
4	5210.00	5.93	106.11	112.04	200.00	-87.96	Peak	100	132	P
5	10420.00	13.20	42.11	55.31	68.20	-12.89	Peak	100	116	P
6	15630.00	15.35	28.64	43.99	54.00	-10.01	Average	100	174	P
7	15630.00	15.35	43.89	59.24	74.00	-14.76	Peak	100	174	P

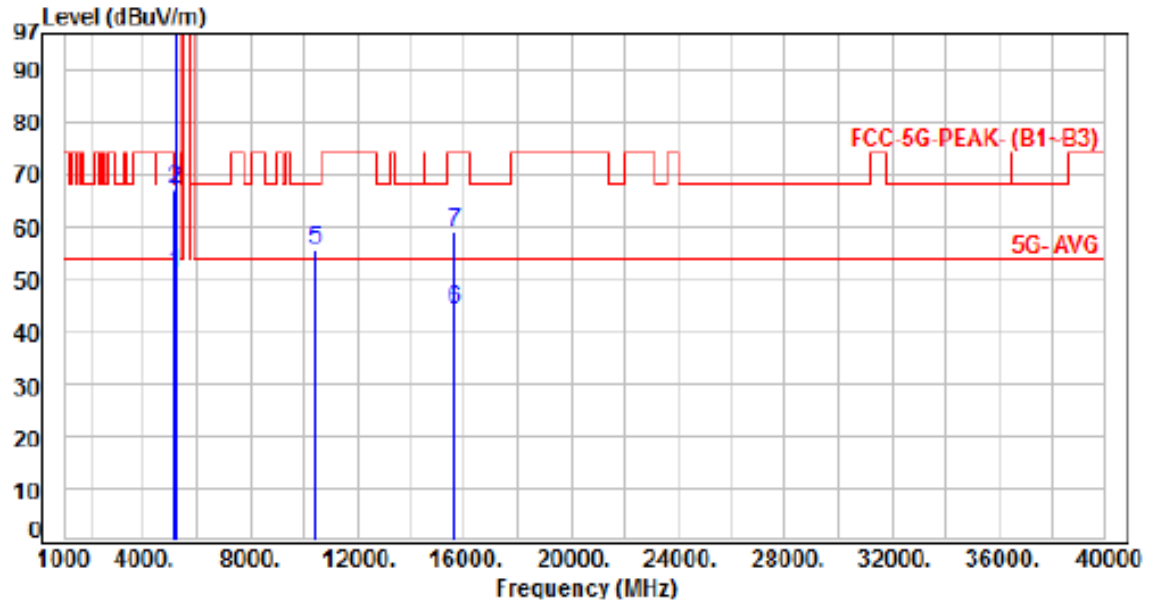
Note: Level=Reading+Factor  
Margin=Level-Limit  
Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, Band 1, CH42		



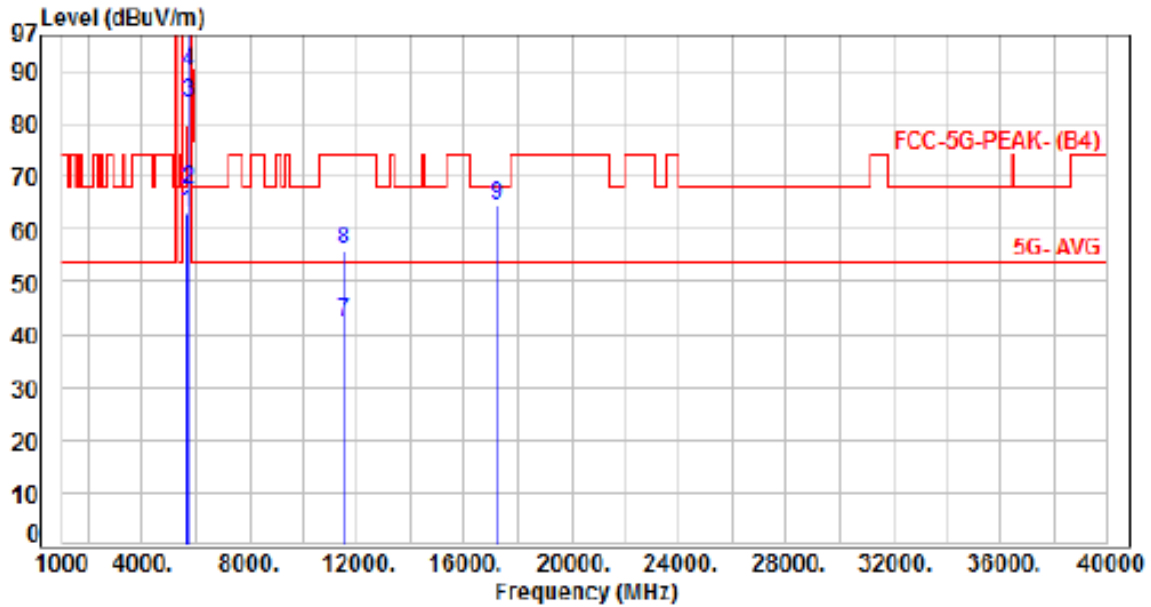
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	45.39	51.15	54.00	-2.85	Average	274	92	P
2	5150.00	5.76	61.33	67.09	74.00	-6.91	Peak	274	92	P
3	5210.00	5.93	94.22	100.15	200.00	-99.85	Average	274	92	P
4	5210.00	5.93	106.69	112.62	200.00	-87.38	Peak	274	92	P
5	10420.00	13.20	42.38	55.58	68.20	-12.62	Peak	100	286	P
6	15630.00	15.35	28.75	44.10	54.00	-9.90	Average	100	142	P
7	15630.00	15.35	43.67	59.02	74.00	-14.98	Peak	100	142	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH149		



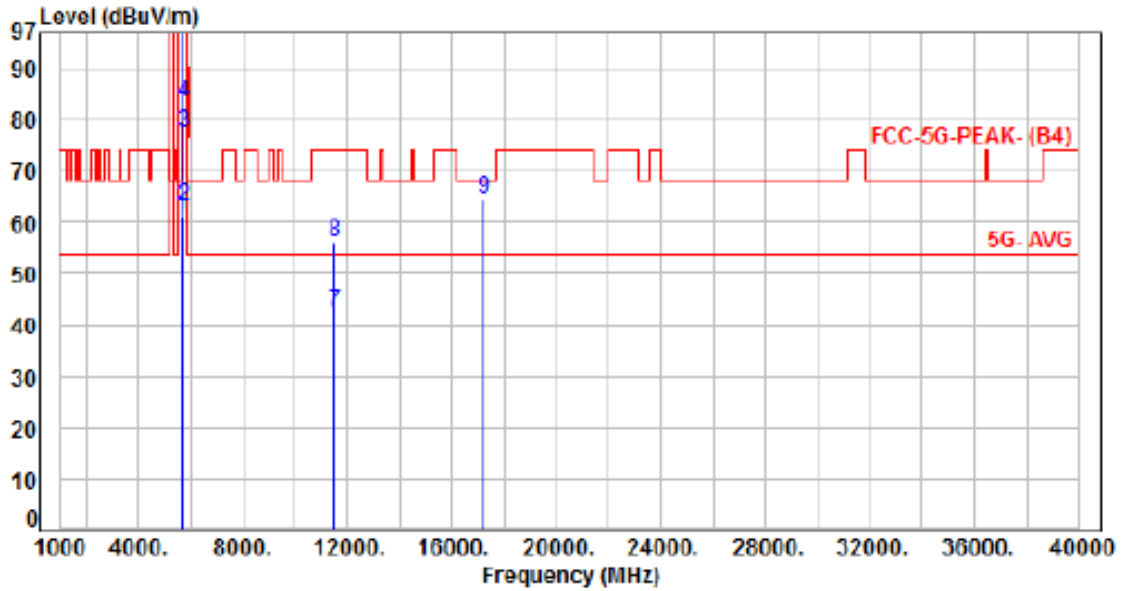
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	56.98	63.14	68.20	-5.06	Peak	134	166	P
2	5700.00	6.39	61.09	67.48	105.20	-37.72	Peak	134	166	P
3	5720.00	6.37	77.85	84.22	110.80	-26.58	Peak	134	166	P
4	5725.00	6.36	83.59	89.95	122.20	-32.25	Peak	134	166	P
5	5745.00	6.34	107.55	113.89	200.00	-86.11	Average	134	166	P
6	5745.00	6.34	117.50	123.84	200.00	-76.16	Peak	134	166	P
7	11490.00	14.57	27.78	42.35	54.00	-11.65	Average	100	41	P
8	11490.00	14.57	41.57	56.14	74.00	-17.86	Peak	100	41	P
9	17235.00	20.78	43.79	64.57	68.20	-3.63	Peak	100	324	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH149		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	55.19	61.35	68.20	-6.85	Peak	111	172	P
2	5700.00	6.39	56.64	63.03	105.20	-42.17	Peak	111	172	P
3	5720.00	6.37	70.90	77.27	110.80	-33.53	Peak	111	172	P
4	5725.00	6.36	76.98	83.34	122.20	-38.86	Peak	111	172	P
5	5745.00	6.34	102.64	108.98	200.00	-91.02	Average	111	172	P
6	5745.00	6.34	112.31	118.65	200.00	-81.35	Peak	111	172	P
7	11490.00	14.57	27.67	42.24	54.00	-11.76	Average	100	25	P
8	11490.00	14.57	41.37	55.94	74.00	-18.06	Peak	100	25	P
9	17235.00	20.78	43.75	64.53	68.20	-3.67	Peak	100	302	P

Note: Level=Reading+Factor

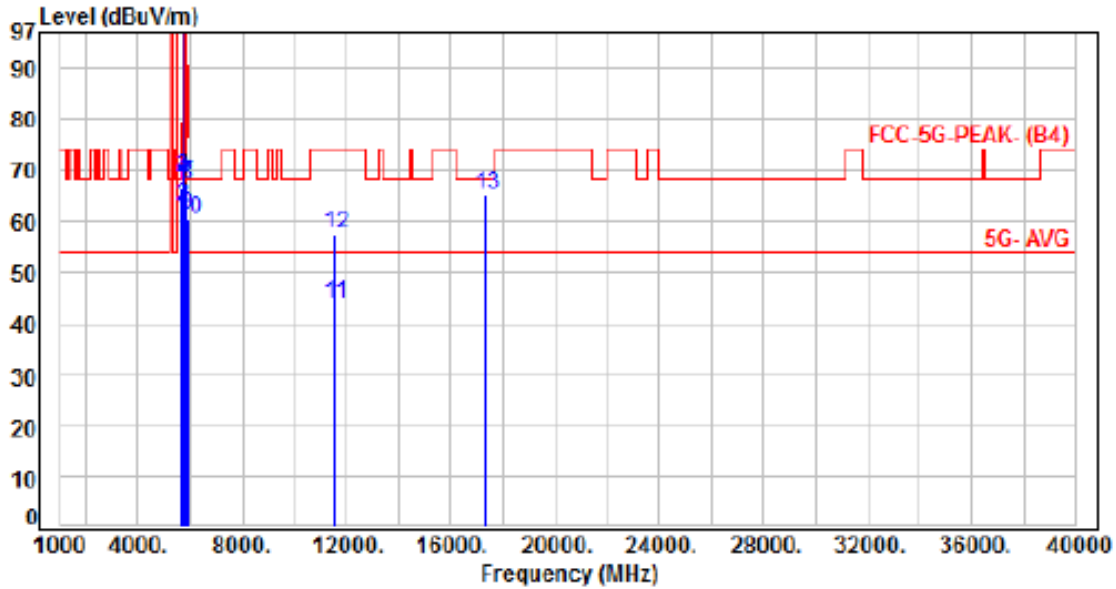
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 4, CH157		



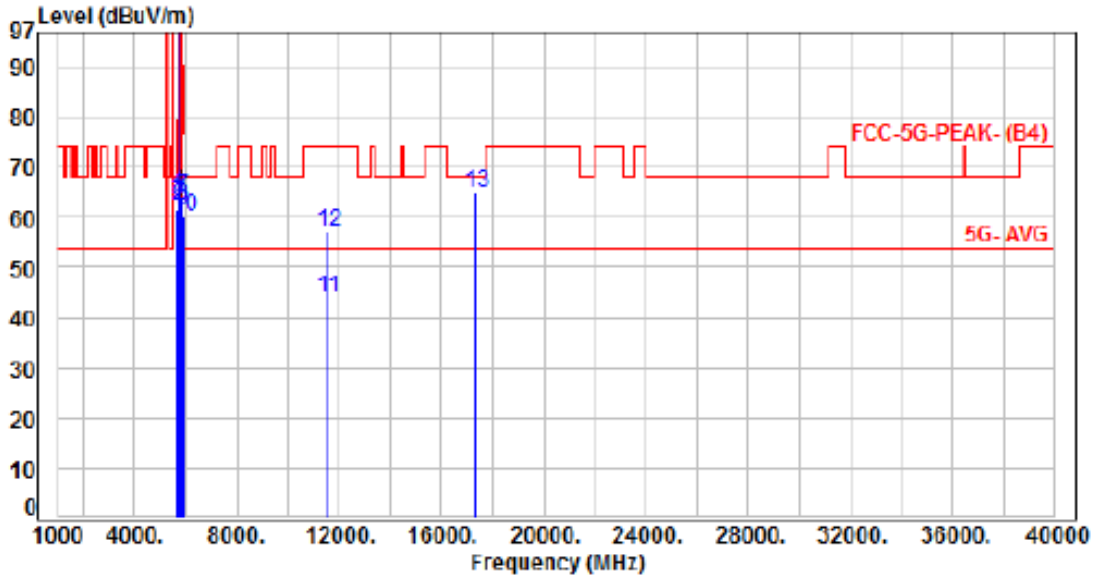
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	60.09	66.25	68.20	-1.95	Peak	122	165	P
2	5700.00	6.39	56.71	63.10	105.20	-42.10	Peak	122	165	P
3	5720.00	6.37	62.41	68.78	110.80	-42.02	Peak	122	165	P
4	5725.00	6.36	62.31	68.67	122.20	-53.53	Peak	122	165	P
5	5785.00	6.35	108.71	115.06	200.00	-84.94	Average	122	165	P
6	5785.00	6.35	118.21	124.56	200.00	-75.44	Peak	122	165	P
7	5850.00	6.39	60.94	67.33	122.20	-54.87	Peak	122	165	P
8	5855.00	6.44	60.79	67.23	110.80	-43.57	Peak	122	165	P
9	5875.00	6.61	54.63	61.24	105.20	-43.96	Peak	122	165	P
10	5925.00	6.85	53.66	60.51	68.20	-7.69	Peak	122	165	P
11	11570.00	14.79	29.06	43.85	54.00	-10.15	Average	100	37	P
12	11570.00	14.79	42.64	57.43	74.00	-16.57	Peak	100	37	P
13	17355.00	21.50	43.68	65.18	68.20	-3.02	Peak	100	341	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH157		



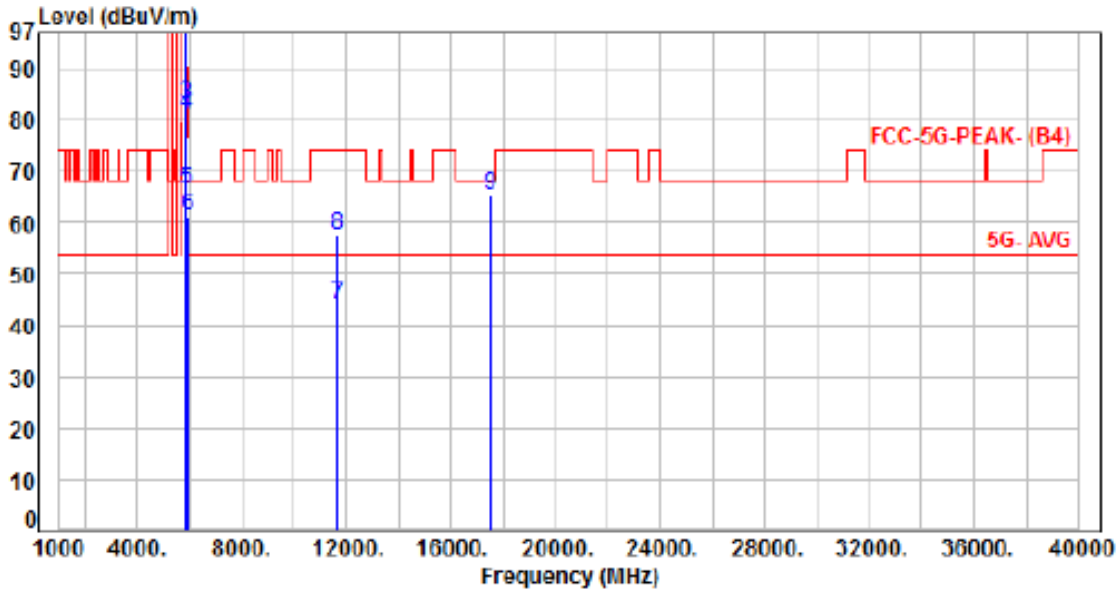
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	55.26	61.42	68.20	-6.78	Peak	116	171	P
2	5700.00	6.39	55.76	62.15	105.20	-43.05	Peak	116	171	P
3	5720.00	6.37	56.61	62.98	110.80	-47.82	Peak	116	171	P
4	5725.00	6.36	58.42	64.78	122.20	-57.42	Peak	116	171	P
5	5785.00	6.35	103.83	110.18	200.00	-89.82	Average	116	171	P
6	5785.00	6.35	113.81	120.16	200.00	-79.84	Peak	116	171	P
7	5850.00	6.39	57.89	64.28	122.20	-57.92	Peak	116	171	P
8	5855.00	6.44	55.95	62.39	110.80	-48.41	Peak	116	171	P
9	5875.00	6.61	54.56	61.17	105.20	-44.03	Peak	116	171	P
10	5925.00	6.85	53.37	60.22	68.20	-7.98	Peak	116	171	P
11	11570.00	14.79	29.03	43.82	54.00	-10.18	Average	100	29	P
12	11570.00	14.79	42.23	57.02	74.00	-16.98	Peak	100	29	P
13	17355.00	21.50	43.59	65.09	68.20	-3.11	Peak	100	319	P

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



Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 4, CH165		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.37	106.81	113.18	200.00	-86.82	Average	115	166	P
2	5825.00	6.37	116.77	123.14	200.00	-76.86	Peak	115	166	P
3	5850.00	6.39	76.72	83.11	122.20	-39.09	Peak	115	166	P
4	5855.00	6.44	74.74	81.18	110.80	-29.62	Peak	115	166	P
5	5875.00	6.61	59.84	66.45	105.20	-38.75	Peak	115	166	P
6	5925.00	6.85	54.25	61.10	68.20	-7.10	Peak	115	166	P
7	11650.00	15.01	28.93	43.94	54.00	-10.06	Average	100	39	P
8	11650.00	15.01	42.55	57.56	74.00	-16.44	Peak	100	39	P
9	17475.00	22.37	42.81	65.18	68.20	-3.02	Peak	100	336	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, Band 4, CH165		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.37	102.90	109.27	200.00	-90.73	Average	119	173	P
2	5825.00	6.37	113.33	119.70	200.00	-80.30	Peak	119	173	P
3	5850.00	6.39	73.18	79.57	122.20	-42.63	Peak	119	173	P
4	5855.00	6.44	69.36	75.80	110.80	-35.00	Peak	119	173	P
5	5875.00	6.61	55.97	62.58	105.20	-42.62	Peak	119	173	P
6	5925.00	6.85	53.91	60.76	68.20	-7.44	Peak	119	173	P
7	11650.00	15.01	28.78	43.79	54.00	-10.21	Average	100	30	P
8	11650.00	15.01	42.44	57.45	74.00	-16.55	Peak	100	30	P
9	17475.00	22.37	42.79	65.16	68.20	-3.04	Peak	100	348	P

Note: Level=Reading+Factor

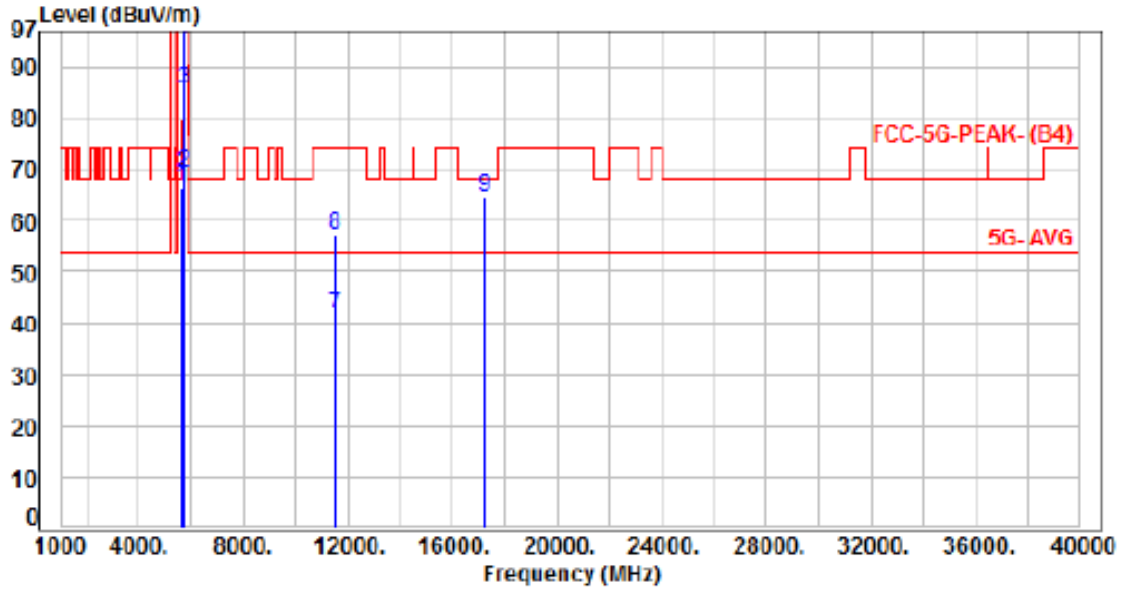
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 4, CH149		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	60.38	66.54	68.20	-1.66	Peak	104	165	P
2	5700.00	6.39	62.98	69.37	105.20	-35.83	Peak	104	165	P
3	5720.00	6.37	79.14	85.51	110.80	-25.29	Peak	104	165	P
4	5725.00	6.36	88.94	95.30	122.20	-26.90	Peak	104	165	P
5	5745.00	6.34	106.65	112.99	200.00	-87.01	Average	104	165	P
6	5745.00	6.34	120.01	126.35	200.00	-73.65	Peak	104	165	P
7	11490.00	14.57	27.11	41.68	54.00	-12.32	Average	100	36	P
8	11490.00	14.57	42.63	57.20	74.00	-16.80	Peak	100	36	P
9	17235.00	20.78	43.85	64.63	68.20	-3.57	Peak	100	335	P

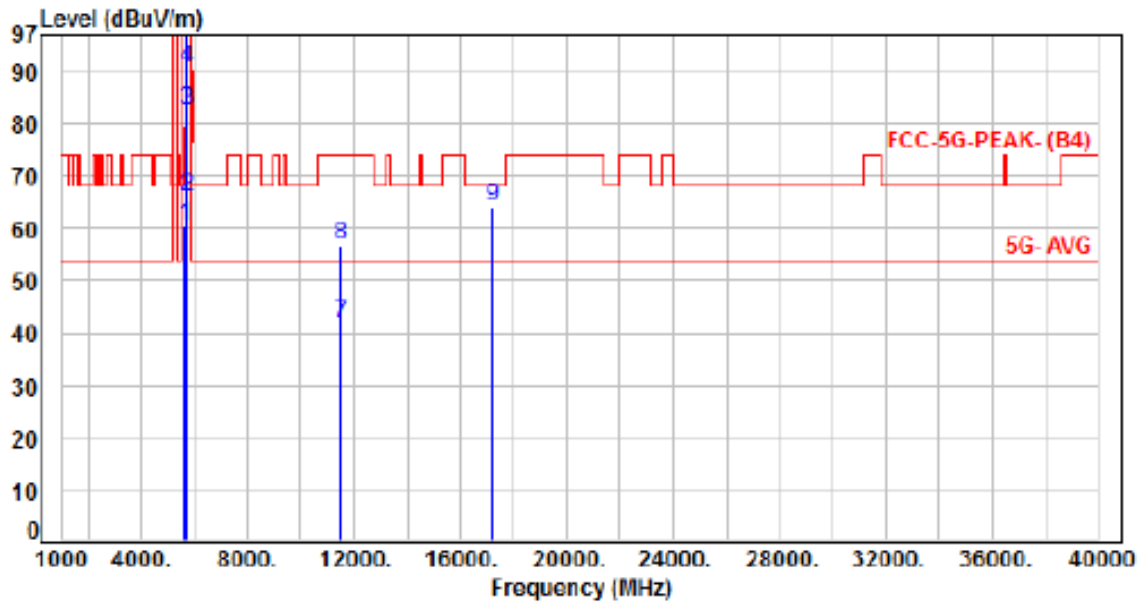
Note: Level=Reading+Factor  
 Margin=Level-Limit  
 Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 4, CH149		



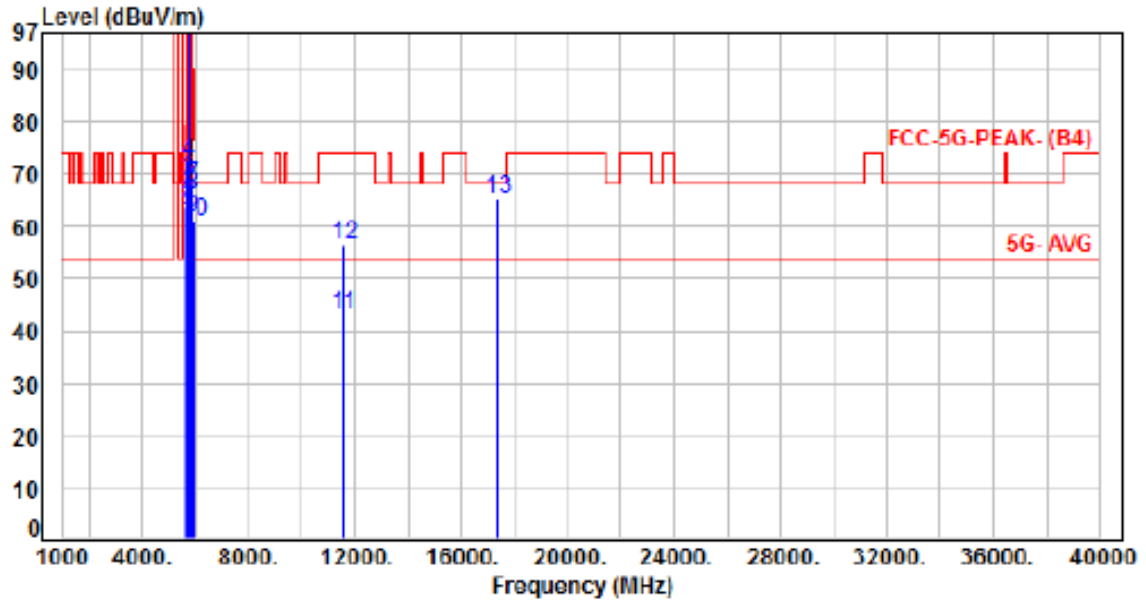
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	54.33	60.49	68.20	-7.71	Peak	113	172	P
2	5700.00	6.39	59.51	65.90	105.20	-39.30	Peak	113	172	P
3	5720.00	6.37	76.30	82.67	110.00	-28.13	Peak	113	172	P
4	5725.00	6.36	84.26	90.62	122.20	-31.58	Peak	113	172	P
5	5745.00	6.34	101.92	108.26	200.00	-91.74	Average	113	172	P
6	5745.00	6.34	115.39	121.73	200.00	-78.27	Peak	113	172	P
7	11490.00	14.57	27.06	41.63	54.00	-12.37	Average	100	27	P
8	11490.00	14.57	42.22	56.79	74.00	-17.21	Peak	100	27	P
9	17235.00	20.78	43.44	64.22	68.20	-3.98	Peak	100	327	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 4, CH157		



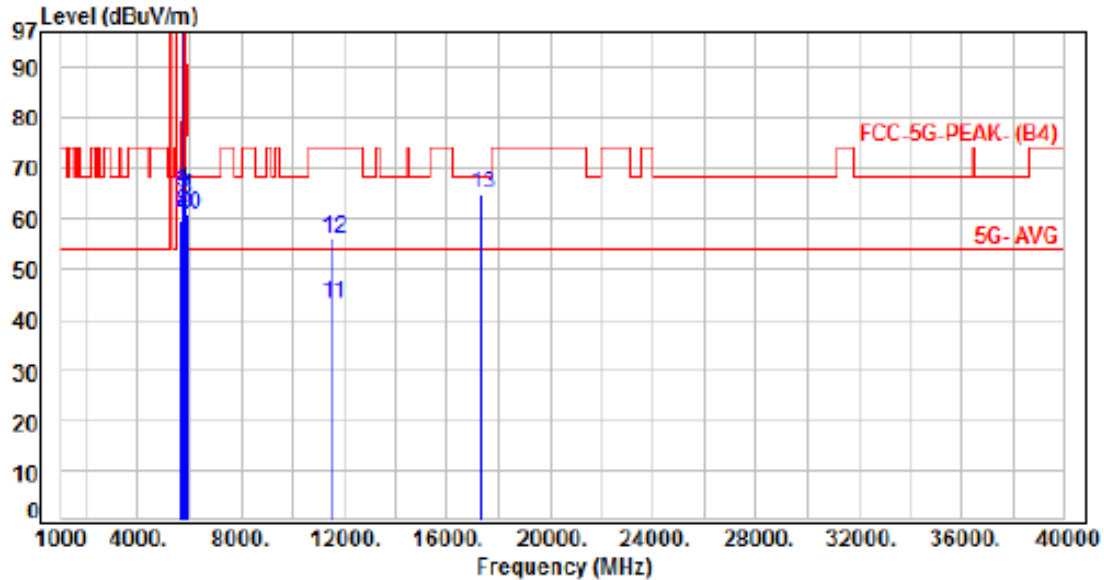
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	57.53	63.69	68.20	-4.51	Peak	101	165	P
2	5700.00	6.39	58.24	64.63	105.20	-40.57	Peak	101	165	P
3	5720.00	6.37	62.15	68.52	110.80	-42.28	Peak	101	165	P
4	5725.00	6.36	66.04	72.40	122.20	-49.80	Peak	101	165	P
5	5785.00	6.35	107.36	113.71	200.00	-86.29	Average	101	165	P
6	5785.00	6.35	119.90	126.25	200.00	-73.75	Peak	101	165	P
7	5850.00	6.39	61.60	67.99	122.20	-54.21	Peak	101	165	P
8	5855.00	6.44	59.75	66.19	110.80	-44.61	Peak	101	165	P
9	5875.00	6.61	55.04	61.65	105.20	-43.55	Peak	101	165	P
10	5925.00	6.85	54.03	60.88	68.20	-7.32	Peak	101	165	P
11	11570.00	14.79	28.25	43.04	54.00	-10.96	Average	100	41	P
12	11570.00	14.79	41.57	56.36	74.00	-17.64	Peak	100	41	P
13	17355.00	21.50	43.65	65.15	68.20	-3.05	Peak	100	318	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 4, CH157		



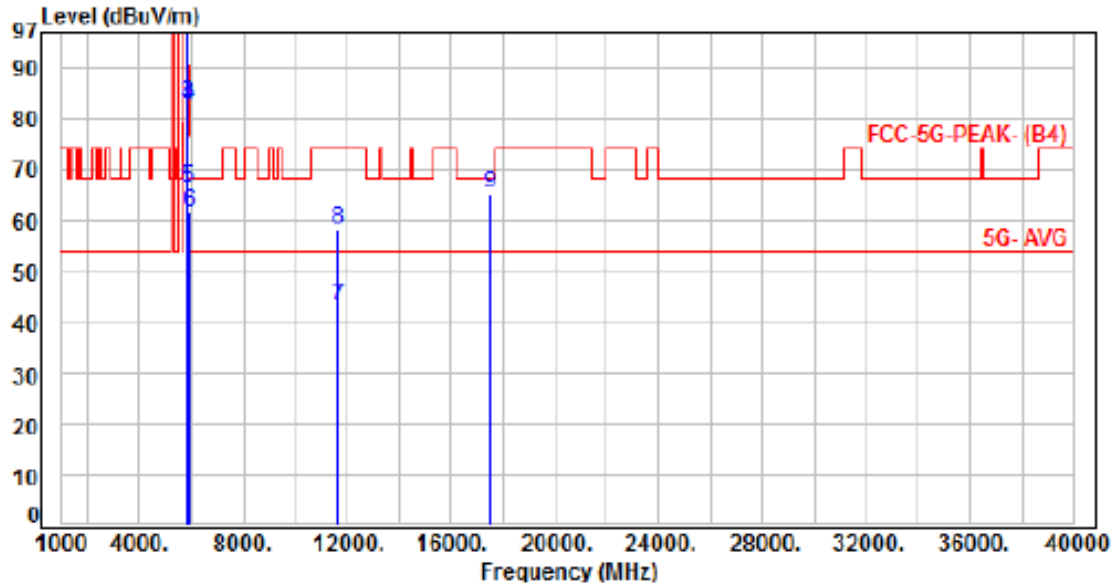
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	53.69	59.85	68.20	-8.35	Peak	117	171	P
2	5700.00	6.39	55.01	61.40	105.20	-43.80	Peak	117	171	P
3	5720.00	6.37	58.84	65.21	110.80	-45.59	Peak	117	171	P
4	5725.00	6.36	59.41	65.77	122.20	-56.43	Peak	117	171	P
5	5785.00	6.35	102.47	108.82	200.00	-91.18	Average	117	171	P
6	5785.00	6.35	115.72	122.07	200.00	-77.93	Peak	117	171	P
7	5850.00	6.39	58.00	64.39	122.20	-57.81	Peak	117	171	P
8	5855.00	6.44	57.32	63.76	110.80	-47.04	Peak	117	171	P
9	5875.00	6.61	54.30	60.91	105.20	-44.29	Peak	117	171	P
10	5925.00	6.85	53.96	60.81	68.20	-7.39	Peak	117	171	P
11	11570.00	14.79	28.22	43.01	54.00	-10.99	Average	100	22	P
12	11570.00	14.79	41.43	56.22	74.00	-17.78	Peak	100	22	P
13	17355.00	21.50	43.58	65.08	68.20	-3.12	Peak	100	322	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 4, CH165		



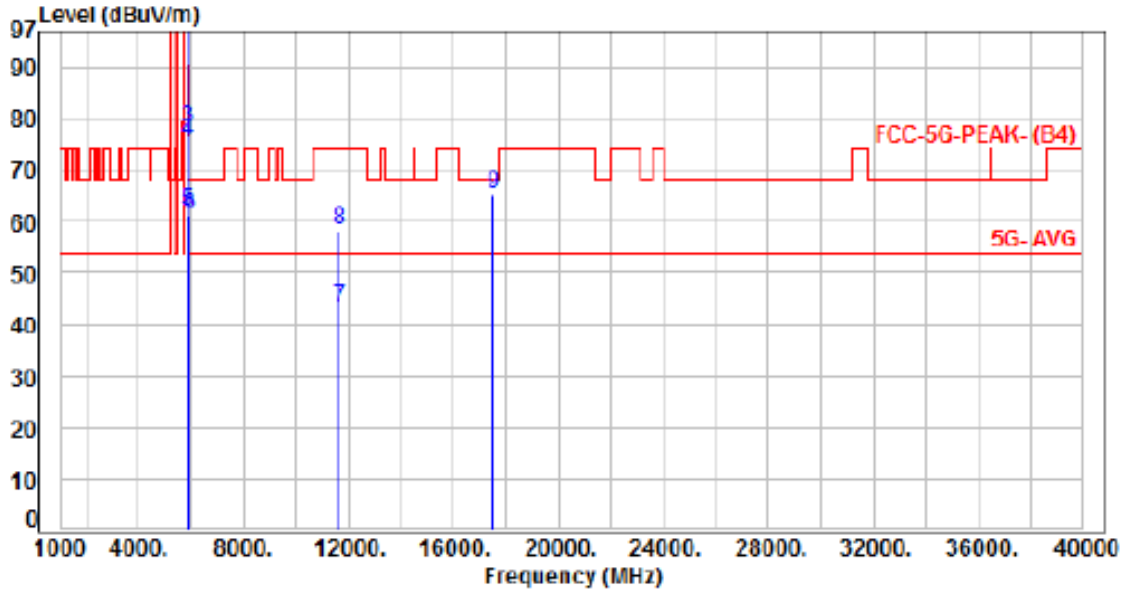
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.37	105.46	111.83	200.00	-88.17	Average	117	166	P
2	5825.00	6.37	119.16	125.53	200.00	-74.47	Peak	117	166	P
3	5850.00	6.39	76.46	82.85	122.20	-39.35	Peak	117	166	P
4	5855.00	6.44	76.02	82.46	110.80	-28.34	Peak	117	166	P
5	5875.00	6.61	59.92	66.53	105.20	-38.67	Peak	117	166	P
6	5925.00	6.85	54.57	61.42	68.20	-6.78	Peak	117	166	P
7	11650.00	15.01	28.22	43.23	54.00	-10.77	Average	100	51	P
8	11650.00	15.01	43.24	58.25	74.00	-15.75	Peak	100	51	P
9	17475.00	22.37	42.81	65.18	68.20	-3.02	Peak	100	318	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 4, CH165		



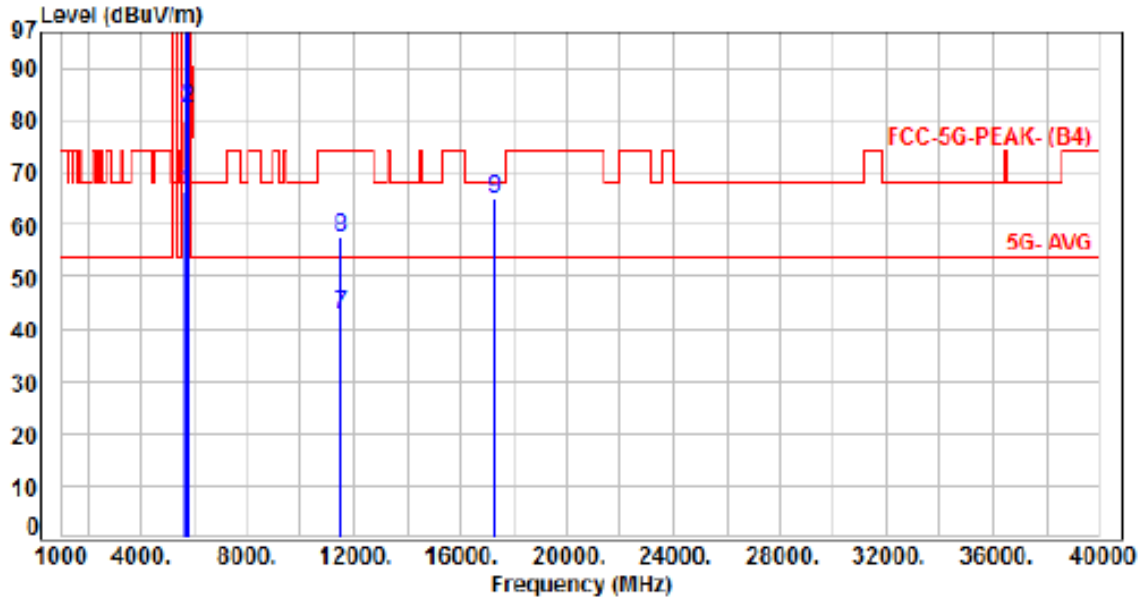
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.37	100.90	107.27	200.00	-92.73	Average	119	172	P
2	5825.00	6.37	114.54	120.91	200.00	-79.09	Peak	119	172	P
3	5850.00	6.39	71.78	78.17	122.20	-44.03	Peak	119	172	P
4	5855.00	6.44	69.17	75.61	110.80	-35.19	Peak	119	172	P
5	5875.00	6.61	55.46	62.07	105.20	-43.13	Peak	119	172	P
6	5925.00	6.85	54.54	61.39	68.20	-6.81	Peak	119	172	P
7	11650.00	15.01	28.17	43.18	54.00	-10.82	Average	100	26	P
8	11650.00	15.01	43.17	58.18	74.00	-15.82	Peak	100	26	P
9	17475.00	22.37	42.74	65.11	68.20	-3.09	Peak	100	345	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, Band 4, CH151		



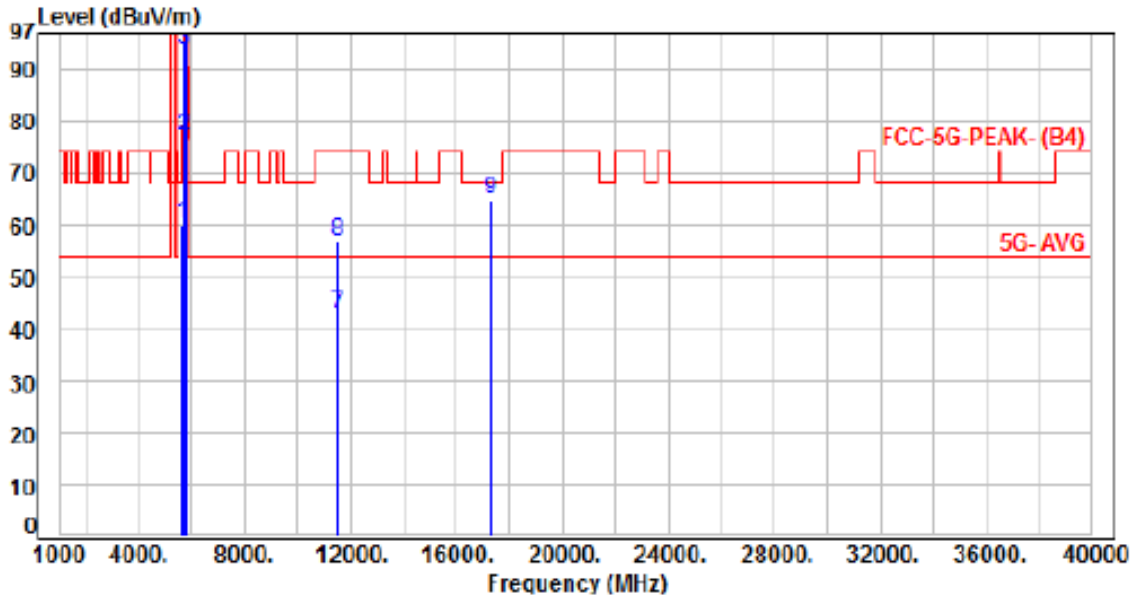
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	60.38	66.54	68.20	-1.66	Peak	100	166	P
2	5700.00	6.39	76.02	82.41	105.20	-22.79	Peak	100	166	P
3	5720.00	6.37	90.66	97.03	110.80	-13.77	Peak	100	166	P
4	5725.00	6.36	95.20	101.56	122.20	-20.64	Peak	100	166	P
5	5755.00	6.32	104.82	111.14	200.00	-88.86	Average	100	166	P
6	5755.00	6.32	118.00	124.40	200.00	-75.60	Peak	100	166	P
7	11510.00	14.61	28.33	42.94	54.00	-11.06	Average	100	43	P
8	11510.00	14.61	42.90	57.51	74.00	-16.49	Peak	100	43	P
9	17265.00	20.97	44.02	64.99	68.20	-3.21	Peak	100	320	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, Band 4, CH151		



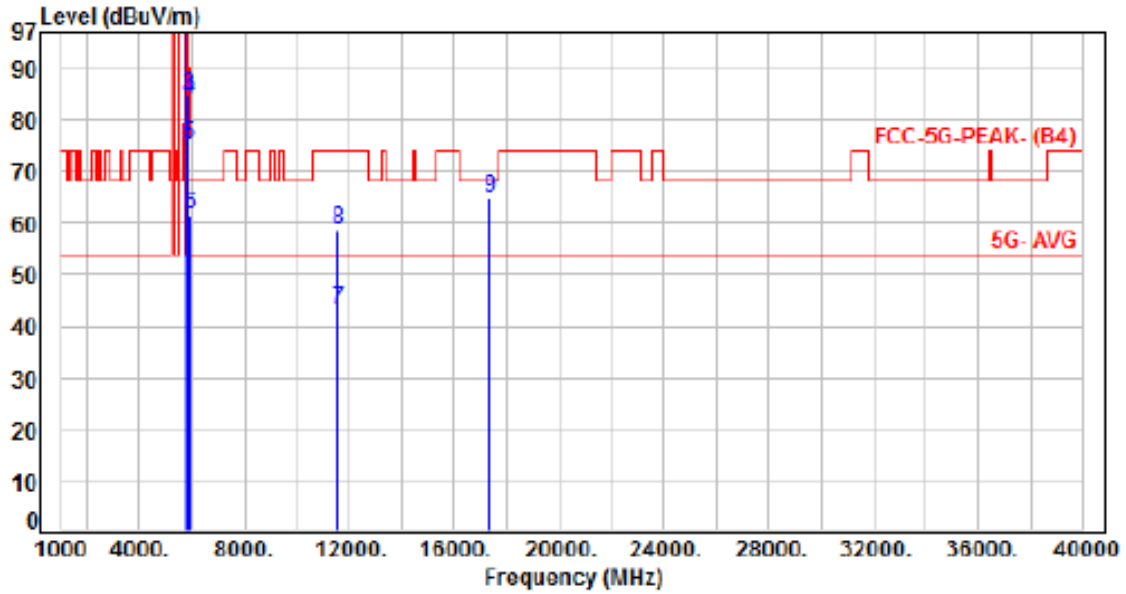
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	53.92	60.08	68.20	-8.12	Peak	110	172	P
2	5700.00	6.39	70.70	77.09	105.20	-28.11	Peak	110	172	P
3	5720.00	6.37	87.33	93.70	110.80	-17.10	Peak	110	172	P
4	5725.00	6.36	88.84	95.20	122.20	-27.00	Peak	110	172	P
5	5755.00	6.32	100.50	106.82	200.00	-93.18	Average	110	172	P
6	5755.00	6.32	114.18	120.50	200.00	-79.50	Peak	110	172	P
7	11510.00	14.61	28.22	42.83	54.00	-11.17	Average	100	32	P
8	11510.00	14.61	42.24	56.85	74.00	-17.15	Peak	100	32	P
9	17265.00	20.97	43.93	64.90	68.20	-3.30	Peak	100	311	P

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



Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, Band 4, CH159		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	6.35	104.54	110.89	200.00	-89.11	Average	116	166	P
2	5795.00	6.35	117.64	123.99	200.00	-76.01	Peak	116	166	P
3	5850.00	6.39	78.43	84.82	122.20	-37.38	Peak	116	166	P
4	5855.00	6.44	77.51	83.95	110.00	-26.05	Peak	116	166	P
5	5875.00	6.61	68.72	75.33	105.20	-29.87	Peak	116	166	P
6	5925.00	6.85	54.91	61.76	68.20	-6.44	Peak	116	166	P
7	11590.00	14.84	28.34	43.18	54.00	-10.82	Average	100	36	P
8	11590.00	14.84	43.72	58.56	74.00	-15.44	Peak	100	36	P
9	17385.00	21.65	43.23	64.88	68.20	-3.32	Peak	100	316	P

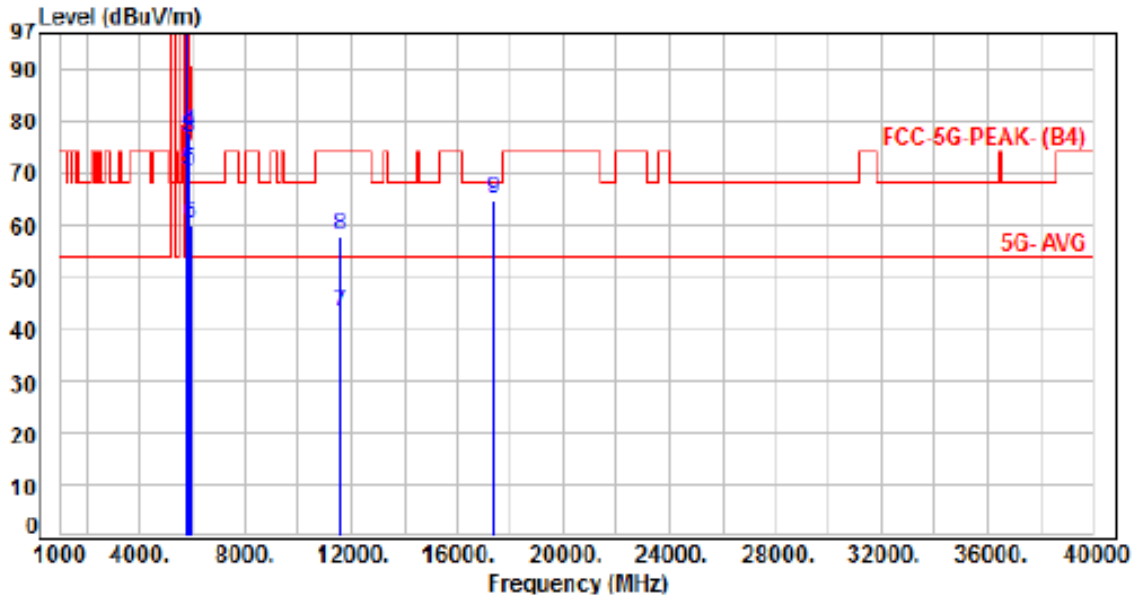
Note: Level=Reading+Factor  
Margin=Level-Limit  
Factor=Antenna Factor + cable loss - Amplifier Factor





Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, Band 4, CH159		:	



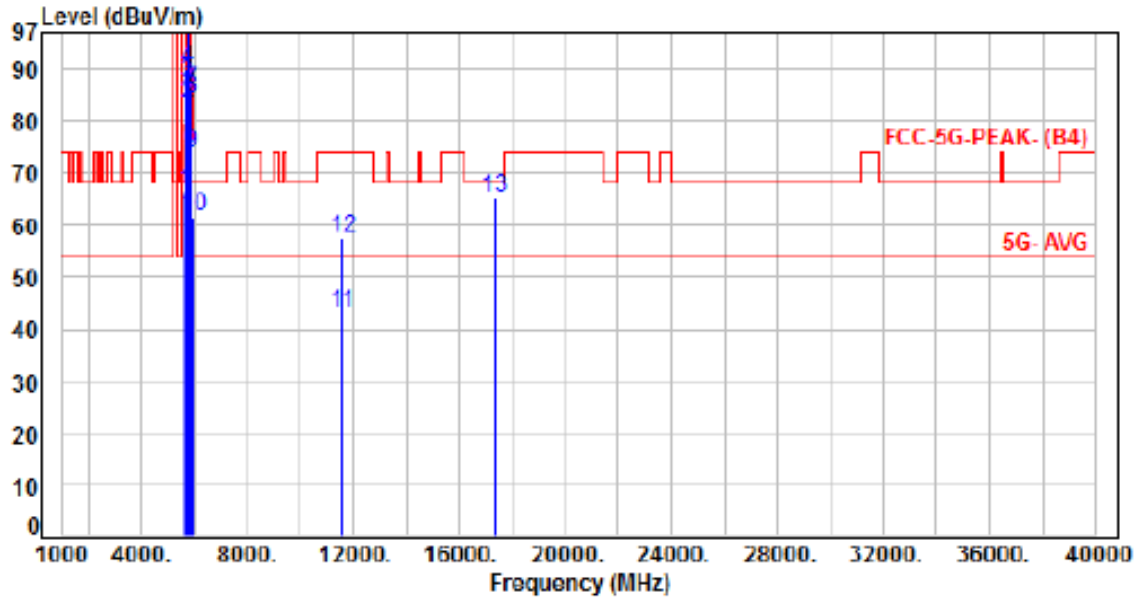
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	6.35	100.08	106.43	200.00	-93.57	Average	100	172	P
2	5795.00	6.35	113.01	119.36	200.00	-80.64	Peak	100	172	P
3	5850.00	6.39	70.25	76.64	122.20	-45.56	Peak	100	172	P
4	5855.00	6.44	71.23	77.67	110.80	-33.13	Peak	100	172	P
5	5875.00	6.61	63.87	70.48	105.20	-34.72	Peak	100	172	P
6	5925.00	6.85	53.35	60.20	68.20	-8.00	Peak	100	172	P
7	11590.00	14.84	28.30	43.14	54.00	-10.86	Average	100	27	P
8	11590.00	14.84	43.14	57.98	74.00	-16.02	Peak	100	27	P
9	17385.00	21.65	43.21	64.86	68.20	-3.34	Peak	100	333	P

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



Non BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, Band 4, CH155		



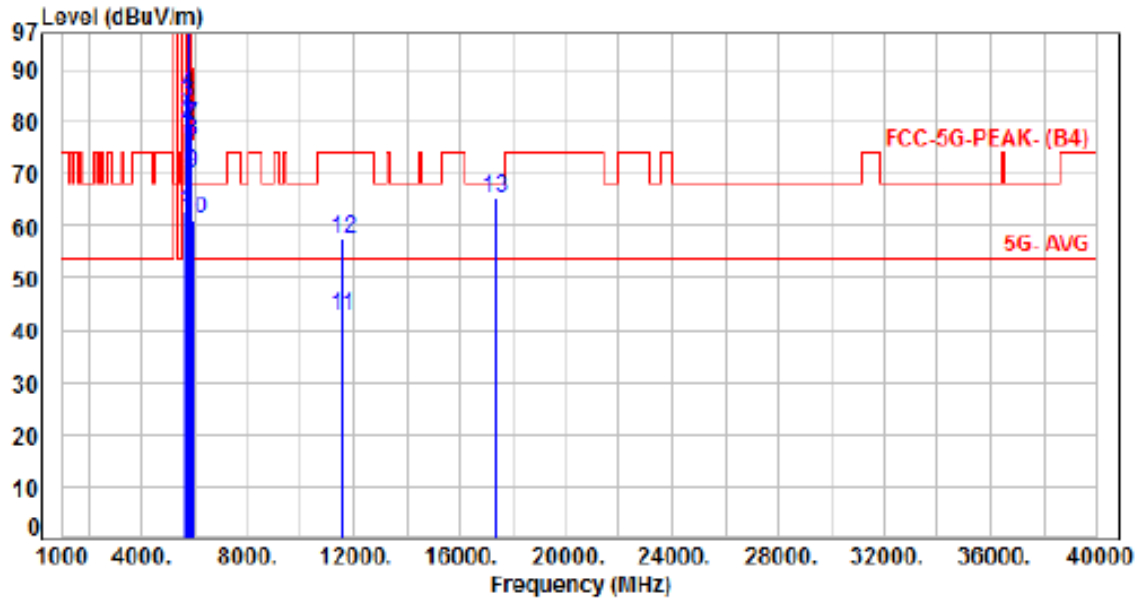
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	60.06	66.22	68.20	-1.98	Peak	225	166	P
2	5700.00	6.39	77.04	83.43	105.20	-21.77	Peak	225	166	P
3	5720.00	6.37	81.03	87.40	110.00	-23.40	Peak	225	166	P
4	5725.00	6.36	83.65	90.01	122.20	-32.19	Peak	225	166	P
5	5775.00	6.34	100.73	107.07	200.00	-92.93	Average	225	166	P
6	5775.00	6.34	113.80	120.14	200.00	-79.86	Peak	225	166	P
7	5850.00	6.39	79.65	86.04	122.20	-36.16	Peak	225	166	P
8	5855.00	6.44	78.05	84.49	110.00	-26.31	Peak	225	166	P
9	5875.00	6.61	67.16	73.77	105.20	-31.43	Peak	225	166	P
10	5925.00	6.85	54.59	61.44	68.20	-6.76	Peak	225	166	P
11	11550.00	14.73	28.26	42.99	54.00	-11.01	Average	100	41	P
12	11550.00	14.73	42.94	57.67	74.00	-16.33	Peak	100	41	P
13	17325.00	21.33	43.84	65.17	68.20	-3.03	Peak	100	351	P

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



Non BeamForming

Power	:	DC 12V From adapter (120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, Band 4, CH155		:	



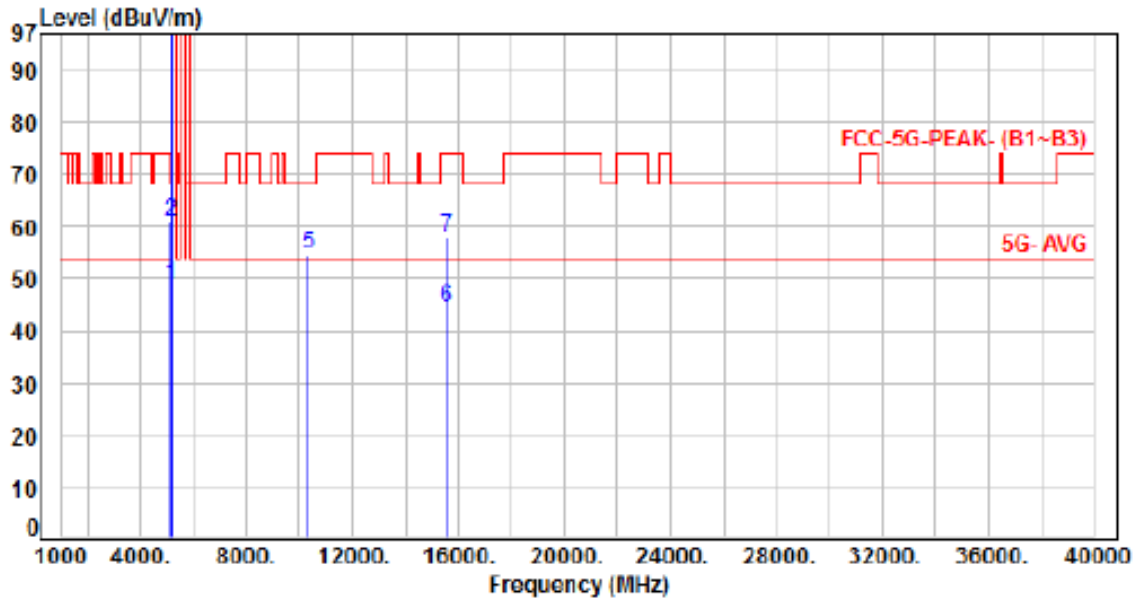
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.16	56.39	62.55	68.20	-5.65	Peak	115	171	P
2	5700.00	6.39	73.24	79.63	105.20	-25.57	Peak	115	171	P
3	5720.00	6.37	77.29	83.66	110.80	-27.14	Peak	115	171	P
4	5725.00	6.36	78.82	85.18	122.20	-37.02	Peak	115	171	P
5	5775.00	6.34	96.17	102.51	200.00	-97.49	Average	115	171	P
6	5775.00	6.34	109.87	116.21	200.00	-83.79	Peak	115	171	P
7	5850.00	6.39	72.94	79.33	122.20	-42.87	Peak	115	171	P
8	5855.00	6.44	70.00	76.44	110.80	-34.36	Peak	115	171	P
9	5875.00	6.61	63.28	69.89	105.20	-35.31	Peak	115	171	P
10	5925.00	6.85	54.53	61.38	68.20	-6.82	Peak	115	171	P
11	11550.00	14.73	28.22	42.95	54.00	-11.05	Average	100	21	P
12	11550.00	14.73	42.86	57.59	74.00	-16.41	Peak	100	21	P
13	17325.00	21.33	43.80	65.13	68.20	-3.07	Peak	100	326	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 1, CH36		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	42.88	48.64	54.00	-5.36	Average	100	136	P
2	5150.00	5.76	55.20	60.96	74.00	-13.04	Peak	100	136	P
3	5180.00	5.84	100.75	106.59	200.00	-93.41	Average	100	136	P
4	5180.00	5.84	113.11	118.95	200.00	-81.05	Peak	100	136	P
5	10360.00	13.14	41.58	54.72	68.20	-13.48	Peak	100	351	P
6	15540.00	15.66	28.52	44.18	54.00	-9.82	Average	100	71	P
7	15540.00	15.66	42.06	57.72	74.00	-16.28	Peak	100	71	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 1, CH36		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	45.79	51.55	54.00	-2.45	Average	275	90	P
2	5150.00	5.76	54.09	59.85	74.00	-14.15	Peak	275	90	P
3	5180.00	5.84	99.63	105.47	200.00	-94.53	Average	275	90	P
4	5180.00	5.84	112.47	118.31	200.00	-81.69	Peak	275	90	P
5	10360.00	13.14	41.87	55.01	68.20	-13.19	Peak	100	322	P
6	15540.00	15.66	28.58	44.24	54.00	-9.76	Average	100	73	P
7	15540.00	15.66	42.22	57.88	74.00	-16.12	Peak	100	73	P

Note: Level=Reading+Factor

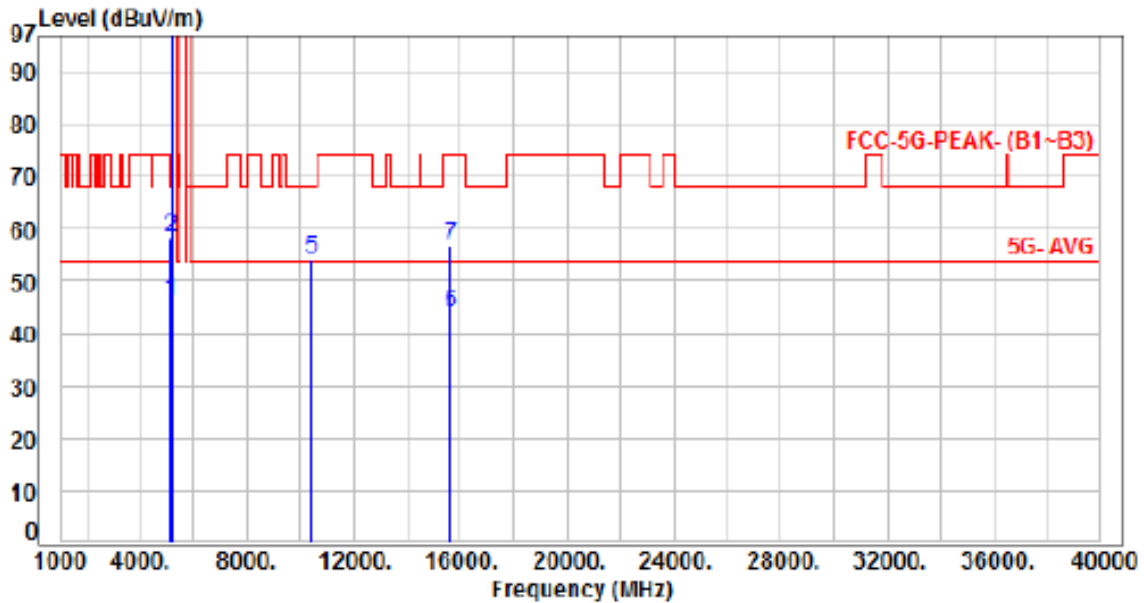
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 1, CH40		:



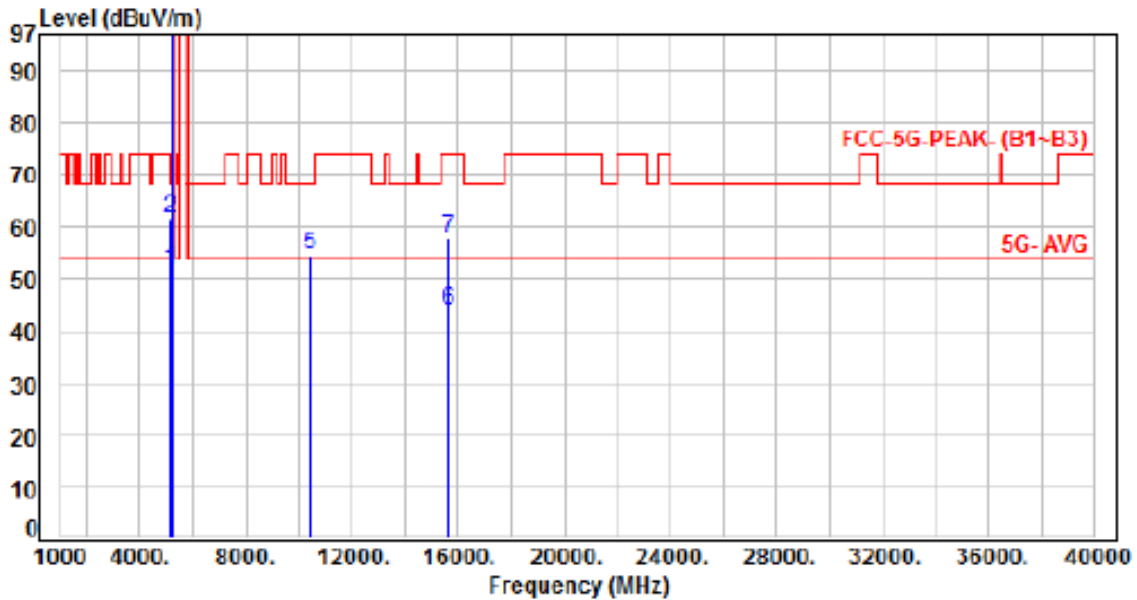
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	40.50	46.26	54.00	-7.74	Average	100	138	P
2	5150.00	5.76	52.54	58.30	74.00	-15.70	Peak	100	138	P
3	5200.00	5.89	99.61	105.50	200.00	-94.50	Average	100	138	P
4	5200.00	5.89	113.14	119.03	200.00	-80.97	Peak	100	138	P
5	10400.00	13.17	41.11	54.28	68.20	-13.92	Peak	100	332	P
6	15600.00	15.58	28.30	43.88	54.00	-10.12	Average	100	76	P
7	15600.00	15.58	41.36	56.94	74.00	-17.06	Peak	100	76	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 1, CH40		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	45.90	51.66	54.00	-2.34	Average	272	91	P
2	5150.00	5.76	55.91	61.67	74.00	-12.33	Peak	272	91	P
3	5200.00	5.89	99.18	105.07	200.00	-94.93	Average	272	91	P
4	5200.00	5.89	112.09	117.98	200.00	-82.02	Peak	272	91	P
5	10400.00	13.17	41.30	54.47	68.20	-13.73	Peak	100	308	P
6	15600.00	15.58	28.47	44.05	54.00	-9.95	Average	100	69	P
7	15600.00	15.58	42.23	57.81	74.00	-16.19	Peak	100	69	P

Note: Level=Reading+Factor

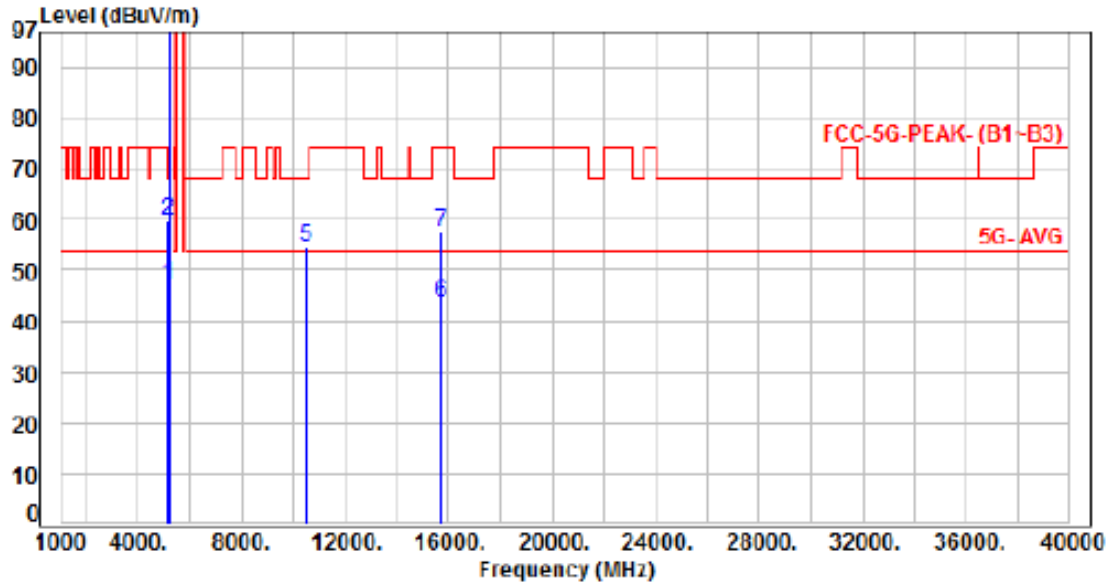
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 1, CH48		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	41.47	47.23	54.00	-6.77	Average	124	135	P
2	5150.00	5.76	54.03	59.79	74.00	-14.21	Peak	124	135	P
3	5240.00	6.01	100.16	106.17	200.00	-93.83	Average	124	135	P
4	5240.00	6.01	113.62	119.63	200.00	-80.37	Peak	124	135	P
5	10480.00	13.29	41.34	54.63	68.20	-13.57	Peak	100	344	P
6	15720.00	14.87	28.65	43.52	54.00	-10.48	Average	100	77	P
7	15720.00	14.87	42.51	57.38	74.00	-16.62	Peak	100	77	P

Note: Level=Reading+Factor

Margin=Level-Limit

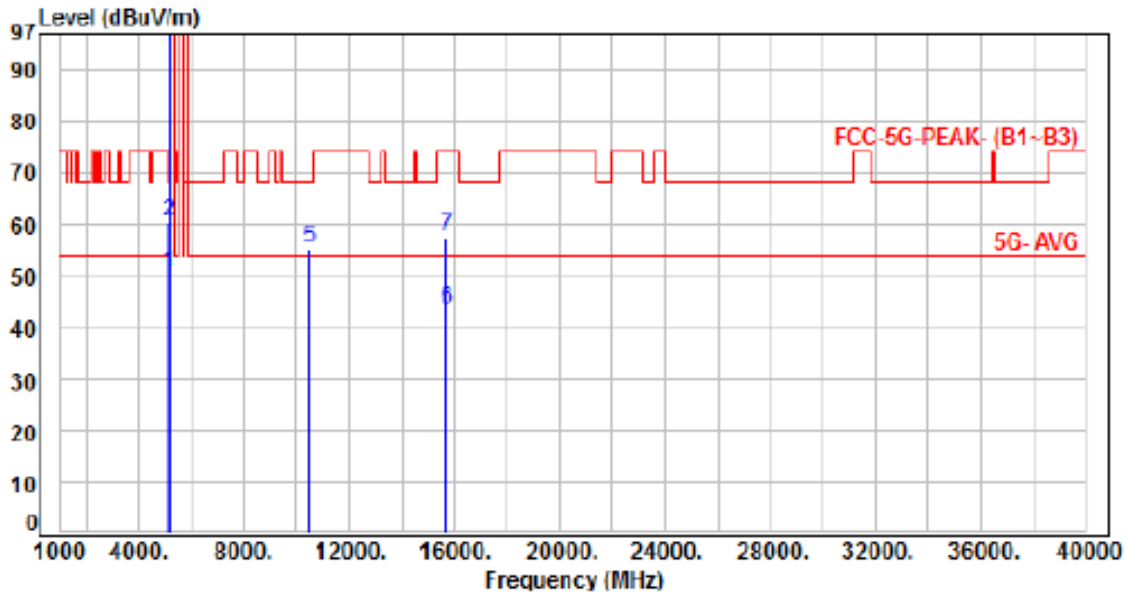
Factor=Antenna Factor + cable loss - Amplifier Factor





BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 1, CH48		



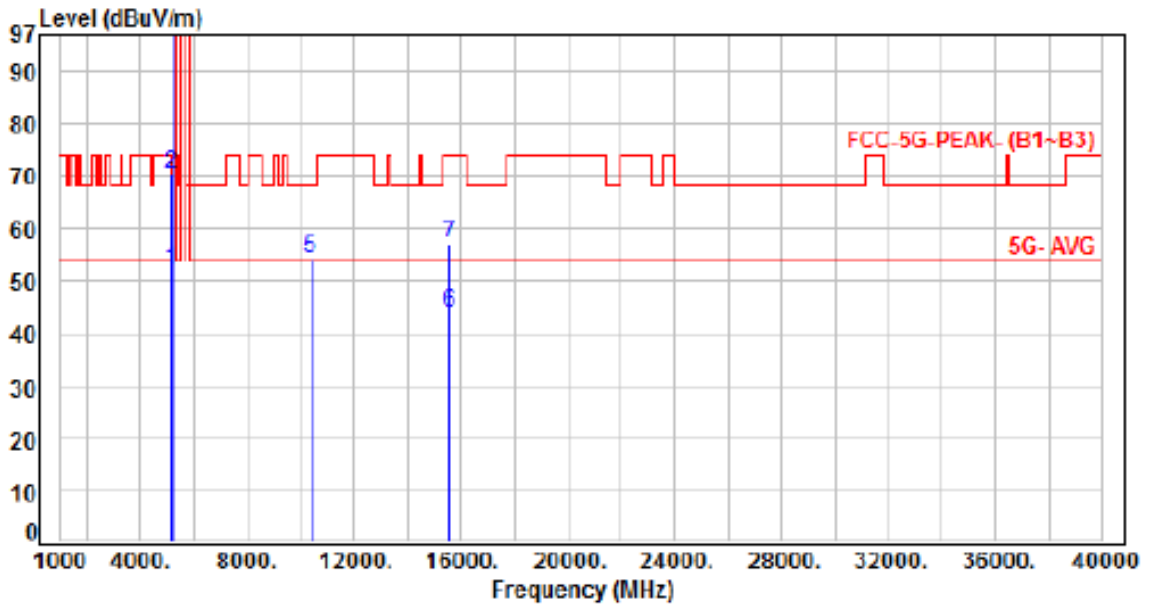
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	44.85	50.61	54.00	-3.39	Average	294	86	P
2	5150.00	5.76	54.71	60.47	74.00	-13.53	Peak	294	86	P
3	5240.00	6.01	98.86	104.87	200.00	-95.13	Average	294	86	P
4	5240.00	6.01	111.65	117.66	200.00	-82.34	Peak	294	86	P
5	10480.00	13.29	42.11	55.40	68.20	-12.80	Peak	100	311	P
6	15720.00	14.87	28.71	43.58	54.00	-10.42	Average	100	69	P
7	15720.00	14.87	42.60	57.47	74.00	-16.53	Peak	100	69	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 1, CH38		:



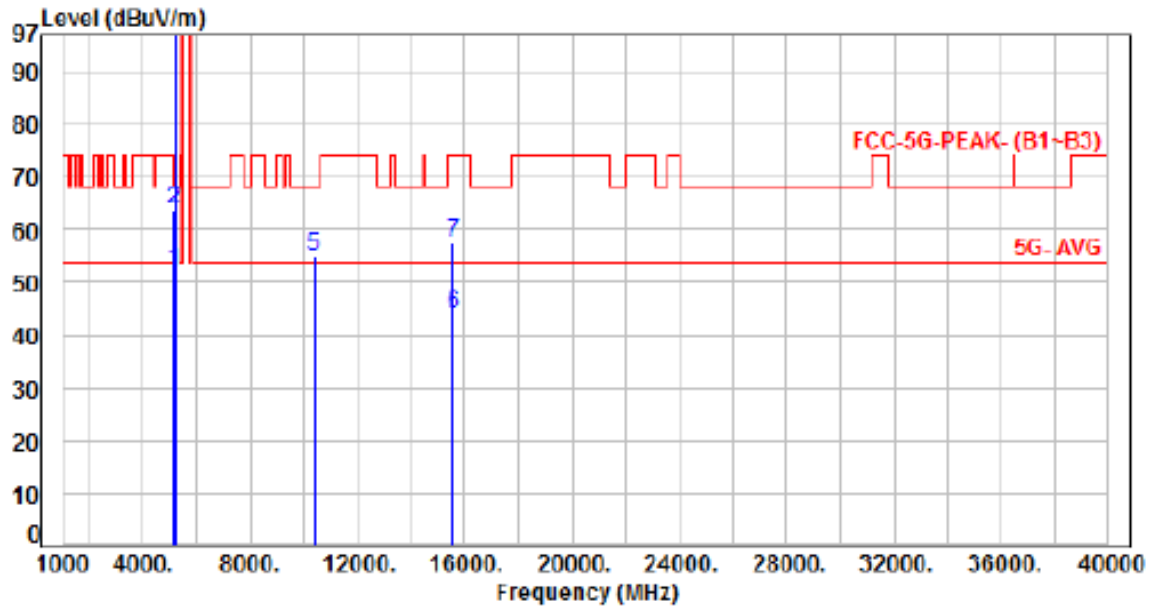
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	46.27	52.03	54.00	-1.97	Average	100	133	P
2	5150.00	5.76	64.58	70.34	74.00	-3.66	Peak	100	133	P
3	5190.00	5.87	99.09	104.96	200.00	-95.04	Average	100	133	P
4	5190.00	5.87	109.46	115.33	200.00	-84.67	Peak	100	133	P
5	10380.00	13.16	41.22	54.38	68.20	-13.82	Peak	100	325	P
6	15570.00	15.62	28.28	43.90	54.00	-10.10	Average	100	75	P
7	15570.00	15.62	41.70	57.32	74.00	-16.68	Peak	100	75	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 1, CH38		:



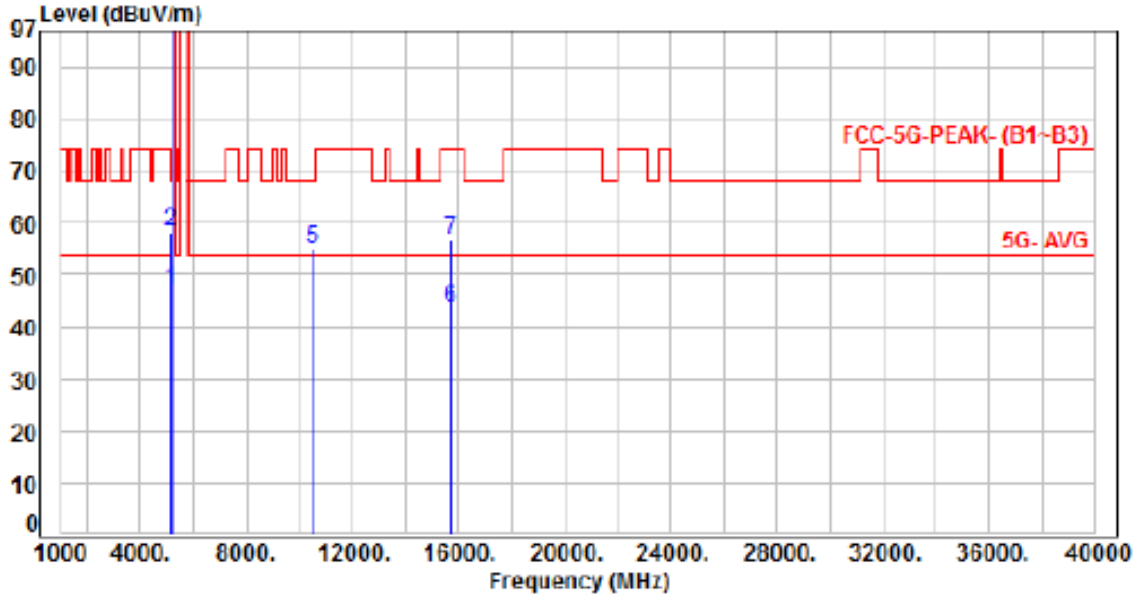
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	46.40	52.16	54.00	-1.84	Average	288	89	P
2	5150.00	5.76	58.02	63.78	74.00	-10.22	Peak	288	89	P
3	5190.00	5.87	96.83	102.70	200.00	-97.30	Average	288	89	P
4	5190.00	5.87	108.20	114.07	200.00	-85.93	Peak	288	89	P
5	10380.00	13.16	41.80	54.96	68.20	-13.24	Peak	100	319	P
6	15570.00	15.62	28.31	43.93	54.00	-10.07	Average	100	68	P
7	15570.00	15.62	42.06	57.68	74.00	-16.32	Peak	100	68	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 1, CH46		:



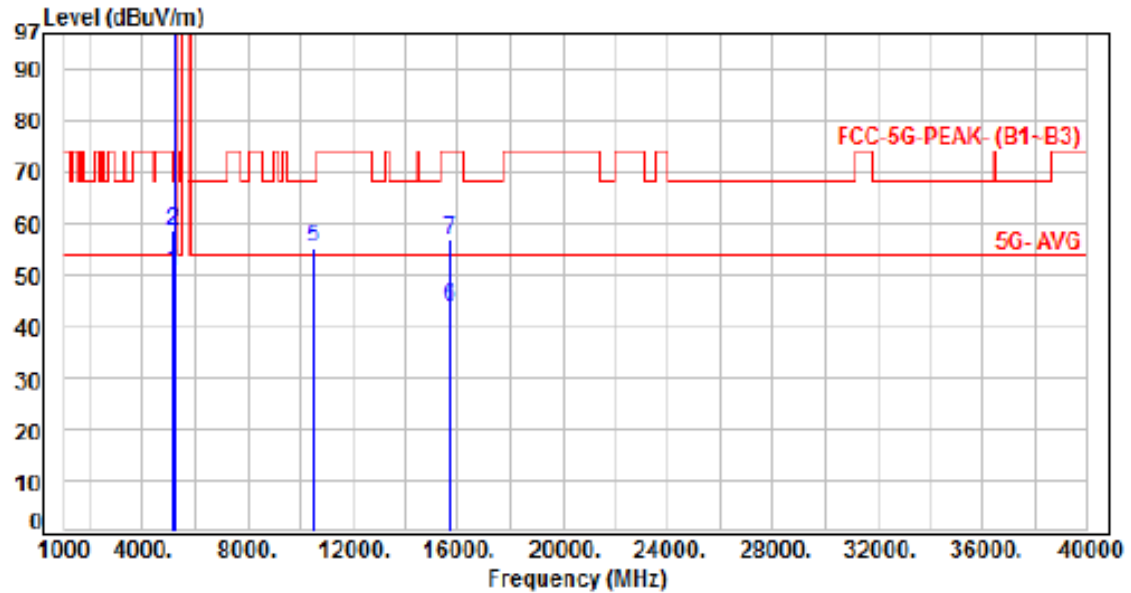
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	41.58	47.34	54.00	-6.66	Average	100	136	P
2	5150.00	5.76	52.66	58.42	74.00	-15.58	Peak	100	136	P
3	5230.00	5.99	98.80	104.79	200.00	-95.21	Average	100	136	P
4	5230.00	5.99	110.37	116.36	200.00	-83.64	Peak	100	136	P
5	10460.00	13.26	41.86	55.12	68.20	-13.08	Peak	100	344	P
6	15690.00	14.92	28.61	43.53	54.00	-10.47	Average	100	78	P
7	15690.00	14.92	41.76	56.68	74.00	-17.32	Peak	100	78	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, Band 1, CH46		



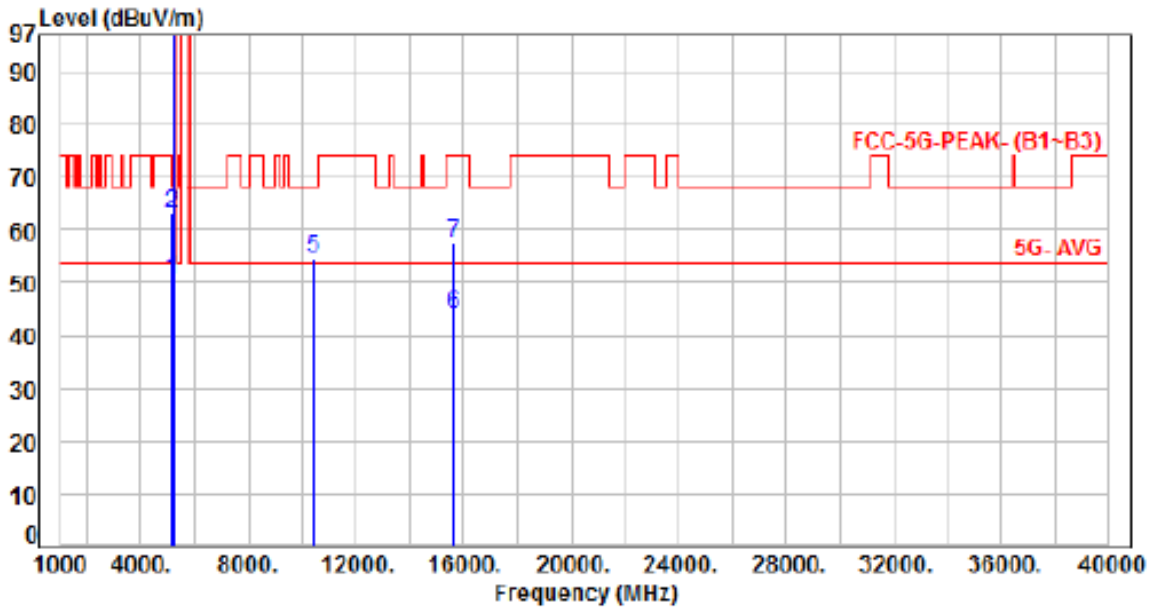
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	44.83	50.59	54.00	-3.41	Average	271	88	P
2	5150.00	5.76	52.84	58.60	74.00	-15.40	Peak	271	88	P
3	5230.00	5.99	97.60	103.59	200.00	-96.41	Average	271	88	P
4	5230.00	5.99	108.29	114.28	200.00	-85.72	Peak	271	88	P
5	10460.00	13.26	42.11	55.37	68.20	-12.83	Peak	100	333	P
6	15690.00	14.92	28.79	43.71	54.00	-10.29	Average	100	76	P
7	15690.00	14.92	42.02	56.94	74.00	-17.06	Peak	100	76	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 1, CH42		



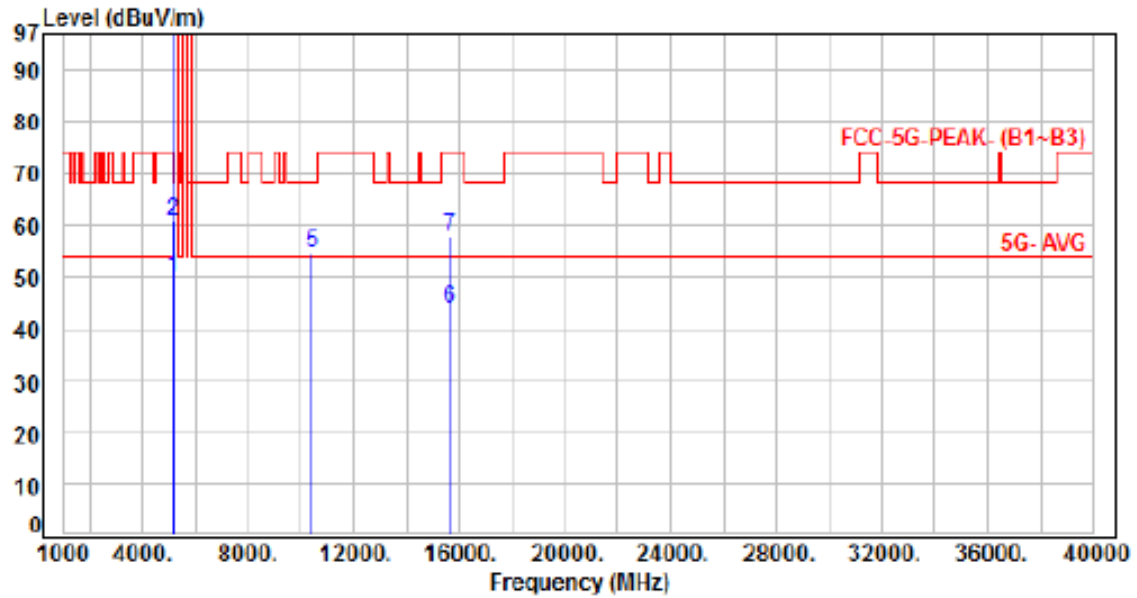
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	44.65	50.41	54.00	-3.59	Average	100	134	P
2	5150.00	5.76	57.33	63.09	74.00	-10.91	Peak	100	134	P
3	5210.00	5.93	99.61	105.54	200.00	-94.46	Average	100	134	P
4	5210.00	5.93	109.98	115.91	200.00	-84.09	Peak	100	134	P
5	10420.00	13.20	41.38	54.58	68.20	-13.62	Peak	100	343	P
6	15630.00	15.35	28.56	43.91	54.00	-10.09	Average	100	71	P
7	15630.00	15.35	42.17	57.52	74.00	-16.48	Peak	100	71	P

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



BeamForming

Power	: DC 12V From adapter (120V/60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, Band 1, CH42		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	5.76	44.06	49.82	54.00	-4.18	Average	283	91	P
2	5150.00	5.76	55.14	60.90	74.00	-13.10	Peak	283	91	P
3	5210.00	5.93	98.18	104.11	200.00	-95.89	Average	283	91	P
4	5210.00	5.93	108.44	114.37	200.00	-85.63	Peak	283	91	P
5	10420.00	13.20	41.41	54.61	68.20	-13.59	Peak	100	321	P
6	15630.00	15.35	28.62	43.97	54.00	-10.03	Average	100	82	P
7	15630.00	15.35	42.45	57.80	74.00	-16.20	Peak	100	82	P

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