



# FCC RADIO TEST REPORT

Applicant : Micro-Star Int'l Co.,Ltd.  
Address : No.69, Lide St., Zhonghe Dist. New Taipei City 235  
Taiwan  
Equipment : WiFi USB Adapter  
Model No. : GUAXE54  
Trade Name : msi  
FCC ID : I4L-GUAXE54

**I HEREBY CERTIFY THAT :**

The sample was received on Jun. 16, 2023 and the testing was completed on Sep. 19, 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





CONTENTS

- 1. Summary of Test Procedure and Test Results ..... 5
  - 1.1. Applicable Standards .....5
- 2. Test Configuration of Equipment under Test ..... 6
  - 2.1. Feature of Equipment under Test.....6
  - 2.2. Carrier Frequency of Channels ..... 7
  - 2.3. Test Mode and Test Software .....9
  - 2.4. Description of Test System..... 11
  - 2.5. General Information of Test..... 12
  - 2.6. Measurement Uncertainty ..... 13
- 3. Test Equipment and Ancillaries Used for Tests ..... 14
- 4. Antenna Requirements ..... 16
  - 4.1. Standard Applicable ..... 16
  - 4.2. Antenna Construction and Directional Gain..... 16
- 5. Test of AC Power Line Conducted Emission ..... 17
  - 5.1. Test Limit ..... 17
  - 5.2. Test Procedures ..... 17
  - 5.3. Typical Test Setup ..... 18
  - 5.4. Test Result and Data..... 19
  - 5.5. Test Photographs ..... 21
- 6. Test of Spurious Emission (Radiated)..... 22
  - 6.1. Test Limit ..... 22
  - 6.2. Test Procedures ..... 23
  - 6.3. Typical Test Setup ..... 24
  - 6.4. Test Result and Data (9kHz ~ 30MHz)..... 25
  - 6.5. Test Result and Data (30MHz ~ 1GHz) ..... 25
  - 6.6. Test Result and Data (1GHz ~ 40GHz)..... 27
  - 6.7. Restricted Bands of Operation ..... 115
  - 6.8. Test Photographs (30MHz ~ 1GHz) ..... 116
  - 6.9. Test Photographs (1GHz ~ 40GHz) ..... 117
- 7. On Time, Duty Cycle and Measurement methods ..... 119
  - 7.1. Test Limit ..... 119
  - 7.2. Test Procedure ..... 119
  - 7.3. Test Setup Layout ..... 119
  - 7.4. Test Result and Data..... 120
  - 7.5. Measurement Methods ..... 120
- 8. 6dB Bandwidth & 99% Occupied Bandwidth ..... 122
  - 8.1. Test Limit ..... 122
  - 8.2. Test Procedure ..... 122
  - 8.3. Test Setup Layout ..... 122
  - 8.4. Test Result and Data..... 123
- 9. 26dB Bandwidth & 99% Occupied Bandwidth ..... 141
  - 9.1. Test Limit ..... 141



- 9.2. Test Procedure ..... 141
- 9.3. Test Setup Layout ..... 141
- 9.4. Test Result and Data ..... 142
- 10. Average Power..... 194
  - 10.1. Test Limit ..... 194
  - 10.2. Test Procedure ..... 195
  - 10.3. Test Setup Layout ..... 195
  - 10.4. Test Result and Data..... 196
- 11. Power Spectral Density..... 205
  - 11.1. Test Limit ..... 205
  - 11.2. Test Procedure ..... 205
  - 11.3. Test Setup Layout ..... 205
  - 11.4. Test Result and Data..... 206



**History of this test report**

Report No.	Issued Date	Description
23060172-TRFCC02	Sep. 11, 2023	Original



# 1. Summary of Test Procedure and Test Results

## 1.1. Applicable Standards

**ANSI C63.10:2013**

**FCC Rules and Regulations Part 15 Subpart E §15.407**

**KDB 789033**

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

\*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement, measurement uncertainty evaluation is not considered.



## 2. Test Configuration of Equipment under Test

### 2.1. Feature of Equipment under Test

Operation Frequency Range	2.4GHz:802.11b/g/n(Turbo QAM)/ax: 2400-2483.5MHz 5GHz:802.11a/n/ac/ax: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz 6GHz:802.11ax: 6105MHz~6425MHz, 6425MHz~6525MHz 6525MHz~6875MHz, 6875MHz~7125MHz
Center Frequency Range	2.4GHz:802.11b/g/n(Turbo QAM)/ax: 2412MHz-2462MHz 5GHz :802.11a/n/ac/ax: 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz 6GHz: 802.11ax: 6115MHz~6415MHz, 6435MHz~6515MHz 6535MHz~6855MHz,6875MHz~7115MHz
Modulation Type	2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 256QAM(Turbo QAM) 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz: 802.11a/n: 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, OFDMA
Data Rate	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(Turbo QAM) 802.11ax: MCS0 – MCS11, HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80/160 802.11ax: MCS0 – MCS11,HE20/40/80/160 6GHz: 802.11ax: MCS0 – MCS11, HE20/40/80/160
Antenna Type	PCB Antenna
Antenna Gain	2400-2490MHz: ANT A: 1.40 dBi, ANT B: 1.70 dBi 5150-5200MHz: ANT A: 3.00 dBi, ANT B: 3.50 dBi 5300-5400MHz: ANT A: 2.90 dBi, ANT B: 2.80 dBi 5500-5700MHz: ANT A: 2.40 dBi, ANT B: 2.10 dBi 5700-5850MHz: ANT A: 1.20 dBi, ANT B: 1.50 dBi 6100~6400MHz: ANT A: 3.30 dBi, ANT B: 3.20 dBi 6400~6500MHz: ANT A: 3.30 dBi, ANT B: 3.30 dBi 6500~6800MHz: ANT A: 3.90 dBi, ANT B: 3.40 dBi 6900~7125MHz: ANT A: 4.00 dBi, ANT B: 3.50 dBi
USB cradle	Brand: msi, Model: GUAXE54C

Note:

1. WLAN 2.4G 802.11n Support TurboQAM.
2. EUT support TPC Function.
3. EUT support Client Mode without radar detection.
4. For more details, please refer to the User's manual of the EUT.



## 2.2. Carrier Frequency of Channels

Band: 5150MHz-5250MHz

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

Channel	Frequency(MHz)	Channel	Frequency(MHz)
<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: 5250MHz-5350MHz

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

Channel	Frequency(MHz)	Channel	Frequency(MHz)
<b>*52</b>	<b>5260</b>	<b>*60</b>	<b>5300</b>
56	5280	<b>*64</b>	<b>5320</b>

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

Channel	Frequency(MHz)	Channel	Frequency(MHz)
<b>*54</b>	<b>5270</b>	<b>*62</b>	<b>5310</b>

802.11ac VHT80, 802.11ax HE80

Channel	Frequency(MHz)
<b>*58</b>	<b>5290</b>

Band: 5150MHz -5350MHz: Straddle Channel

802.11ac VHT160,802.11ax HE160

Channel	Frequency(MHz)
<b>*50</b>	<b>5250</b>

Band: 5470MHz-5725MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

Channel	Frequency(MHz)	Channel	Frequency(MHz)
<b>*106</b>	<b>5530</b>	<b>*122</b>	<b>5610</b>

802.11ac VHT160 ,802.11ax HE160

Channel	Frequency(MHz)
<b>*114</b>	<b>5570</b>



Band 3: Straddle Channel

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

Channel	Frequency(MHz)
<b>*144</b>	<b>5720</b>

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

Channel	Frequency(MHz)
<b>*142</b>	<b>5710</b>

802.11ac VHT80, 802.11ax HE80

Channel	Frequency(MHz)
<b>*138</b>	<b>5690</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, " AX MPTOOL ver. V1.1.27" under Windows OS system was executed to transmit and receive data via WLAN.
- d. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11a (6Mbps) , From System (240V/60Hz)
2	802.11n HT20 (6.5Mbps) , From System (240V/60Hz)
3	802.11n HT40 (13.5Mbps) , From System (240V/60Hz)
4	802.11ac VHT20 (6.5Mbps) , From System (240V/60Hz)
5	802.11ac VHT40 (13.5Mbps) , From System (240V/60Hz)
6	802.11ac VHT80 (29.3Mbps) , From System (240V/60Hz)
7	802.11ax HE20 (7.3Mbps) , From System (240V/60Hz)
8	802.11ax HE40 (14.6Mbps) , From System (240V/60Hz)
9	802.11ax HE80 (30.6Mbps) , From System (240V/60Hz)
10	802.11ax HE160 (61.3Mbps) , From System (240V/60Hz)
caused "Test Mode 8" generated the worst case, it was reported as the final data.	
Radiation Emissions (Below 1GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) , From System (240V/60Hz)
2	802.11n HT20 (6.5Mbps) , From System (240V/60Hz)
3	802.11n HT40 (13.5Mbps) , From System (240V/60Hz)
4	802.11ac VHT20 (6.5Mbps) , From System (240V/60Hz)
5	802.11ac VHT40 (13.5Mbps) , From System (240V/60Hz)
6	802.11ac VHT80 (29.3Mbps) , From System (240V/60Hz)
7	802.11ax HE20 (7.3Mbps) , From System (240V/60Hz)
8	802.11ax HE40 (14.6Mbps) , From System (240V/60Hz)
9	802.11ax HE80 (30.6Mbps) , From System (240V/60Hz)
10	802.11ax HE160 (61.3Mbps) , From System (240V/60Hz)
caused "Test Mode 8" generated the worst case, it was reported as the final data.	



Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) , From System (240V/60Hz)
2	802.11n HT20 (6.5Mbps) , From System (240V/60Hz)
3	802.11n HT40 (13.5Mbps) , From System (240V/60Hz)
4	802.11ac VHT20 (6.5Mbps) , From System (240V/60Hz)
5	802.11ac VHT40 (13.5Mbps) , From System (240V/60Hz)
6	802.11ac VHT80 (29.3Mbps) , From System (240V/60Hz)
7	802.11ax HE20 (7.3Mbps) , From System (240V/60Hz)
8	802.11ax HE40 (14.6Mbps) , From System (240V/60Hz)
9	802.11ax HE80 (30.6Mbps) , From System (240V/60Hz)
10	802.11ax HE160 (61.3Mbps) , From System (240V/60Hz)

caused "Test Mode 1,7~10" generated the worst case, they were reported as the final data.

Note:

- There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.  
 For AC Power Line Conducted Emission, AC 240V / 60Hz is worst case.  
 For Radiated Spurious Emission(Below 1GHz), AC 240V / 60Hz is worst case.  
 For Radiated Spurious Emission(1GHz ~ 40GHz), AC 240V / 60Hz is worst case.
- There are evaluation tests with and without USB cradle, with USB cradle 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
802.11ac VHT160	2TX
802.11ax HE20	2TX
802.11ax HE40	2TX
802.11ax HE80	2TX
802.11ax HE160	2TX



### 2.4. Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
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

**2.5. General Information of Test**

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

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2023/6/24~2023/8/15	24.8~27.7°C / 47~58%	Leon Huang
RF Conducted	RFCON01-NK	2023/09/19	24.7°C / 46%	Leon Huang
Radiated Emissions	3M02-NK	2023/7/27~2023/8/31	22~26°C / 43~67%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2023/7/24	26°C / 59%	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)	±3.5dB
Radiated Spurious Emission(30MHz~1GHz)	±5.1dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
6dB Bandwidth	±5.4%
26dB Bandwidth	±4.4%
Occupied Bandwidth	±4.5%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%
Frequency Stability	±0.23KHz



### 3. Test Equipment and Ancillaries Used for Tests

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	Schwarzbeck	FMZB 1513	414	2023/02/03	2024/02/02
Horn Antenna	EMCO	3115	31589	2023/03/23	2024/03/22
Horn Antenna	EMCO	3116	31970	2023/03/03	2024/03/02
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2023/07/05	2024/07/04
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100047	2023/02/24	2024/02/23
Preamplifier	Agilent	8449B	3008A01954	2023/03/08	2024/03/07
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2022/11/11	2023/11/10
Preamplifier	EM Electronics corp.	EM330	60658	2022/10/04	2023/10/03
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2023/03/13	2024/03/12
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2023/02/25	2024/02/24
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2023/03/07	2024/03/06
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2023/03/07	2024/03/06
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2023/03/07	2024/03/06
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2023/03/07	2024/03/06
Cable-3m(10M-40G)	HUBER SUHNER	SF102	804619/2	2022/10/11	2023/10/10
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
Highpass Filter	WOKEN	WFIL-H7000-18000F-0 1	WR468FWC2B 1	2022/09/01	2023/08/31

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	2023/03/07	2024/03/06
Power Sensor	Anritsu	MA2411B	1207295	2023/03/07	2024/03/06
Attenuator	KEYSIGHT	8491B	MY39250703	2023/03/08	2024/03/07



<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	101423	2023/07/05	2024/07/04
TWO-LINE V-NETWORK	ROHDE & SCHWARZ	ENV216	102185	2022/08/24	2023/08/23
Cable-4m(9k-3G)	EMEC	RG-223	18274M	2022/07/27	2023/07/26
E3	AUDIX	v8.2014-8-6	RK-000536	NA	NA



### 4. Antenna Requirements

#### 4.1. Standard Applicable

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

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

#### 4.2. Antenna Construction and Directional Gain

Antenna Type	PCB Antenna
Antenna Gain	5150-5200MHz: ANT A: 3.00 dBi, ANT B: 3.50 dBi 5300-5400MHz: ANT A: 2.90 dBi, ANT B: 2.80 dBi 5500-5700MHz: ANT A: 2.40 dBi, ANT B: 2.10 dBi 5700-5850MHz: ANT A: 1.20 dBi, ANT B: 1.50 dBi

5150-5200MHz: For Power directional gain= $G_{ant}= 3.50 \text{ dBi}$ For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ = 6.26 dBi
5300-5400MHz: For Power directional gain= $G_{ant}= 2.90 \text{ dBi}$ For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ = 5.86 dBi
5500-5700MHz: For Power directional gain= $G_{ant}= 2.40 \text{ dBi}$ For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ = 5.26 dBi
5700-5850MHz: For Power directional gain= $G_{ant}= 1.50 \text{ dBi}$ For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ = 4.36 (dBi)

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





## 5. Test of AC Power Line Conducted Emission

### 5.1. Test Limit

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

Frequency (MHz)	Quasi Peak (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

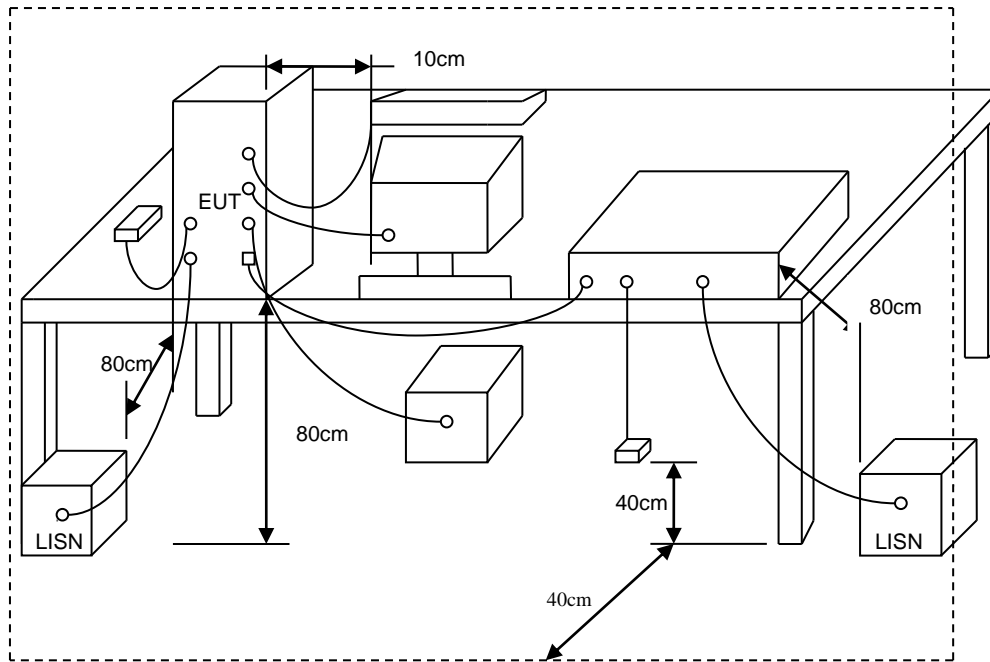
\*Decreases with the logarithm of the frequency.

### 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.



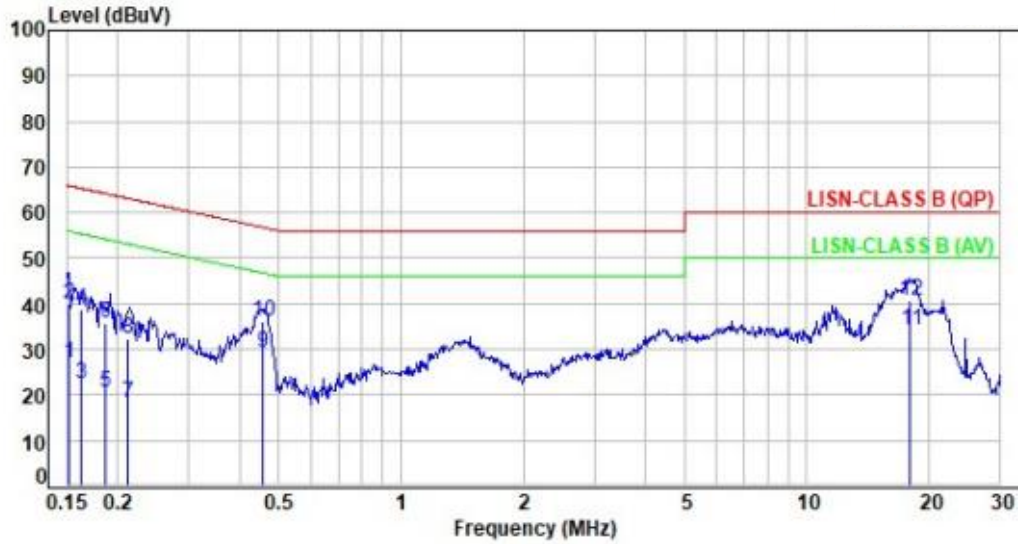
### 5.3. Typical Test Setup





5.4. Test Result and Data

Power	:	From System (AC240V /60Hz)	Pol/Phase	:	LINE
Test Mode	:	Mode 8		:	

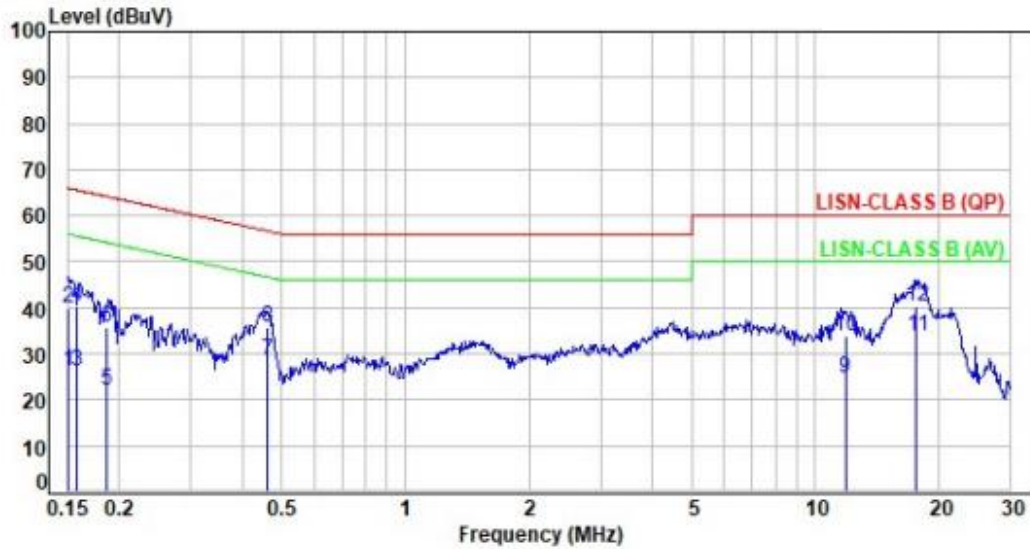


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.62	17.49	27.11	55.90	-28.79	Average	P
2	0.15	9.62	30.15	39.77	65.90	-26.13	QP	P
3	0.16	9.62	12.94	22.56	55.33	-32.77	Average	P
4	0.16	9.62	29.24	38.86	65.33	-26.47	QP	P
5	0.19	9.61	11.07	20.68	54.15	-33.47	Average	P
6	0.19	9.61	26.32	35.93	64.15	-28.22	QP	P
7	0.21	9.61	8.76	18.37	53.15	-34.78	Average	P
8	0.21	9.61	22.75	32.36	63.15	-30.79	QP	P
9	0.46	9.63	19.57	29.20	46.76	-17.56	Average	P
10	0.46	9.63	26.47	36.10	56.76	-20.66	QP	P
11	18.04	9.91	24.15	34.06	50.00	-15.94	Average	P
12	18.04	9.91	30.96	40.87	60.00	-19.13	QP	P

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



Power	: From System (AC240V /60Hz)	Pol/Phase	: NEUTRAL
Test Mode	: Mode 8		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.63	16.71	26.34	56.00	-29.66	Average	P
2	0.15	9.63	30.14	39.77	66.00	-26.23	QP	P
3	0.16	9.63	16.61	26.24	55.60	-29.36	Average	P
4	0.16	9.63	30.63	40.26	65.60	-25.34	QP	P
5	0.19	9.62	12.44	22.06	54.15	-32.09	Average	P
6	0.19	9.62	26.10	35.72	64.15	-28.43	QP	P
7	0.46	9.63	19.01	28.64	46.70	-18.06	Average	P
8	0.46	9.63	26.14	35.77	56.70	-20.93	QP	P
9	11.83	9.85	14.73	24.58	50.00	-25.42	Average	P
10	11.83	9.85	24.04	33.89	60.00	-26.11	QP	P
11	17.70	9.92	24.08	34.00	50.00	-16.00	Average	P
12	17.70	9.92	30.26	40.18	60.00	-19.82	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.

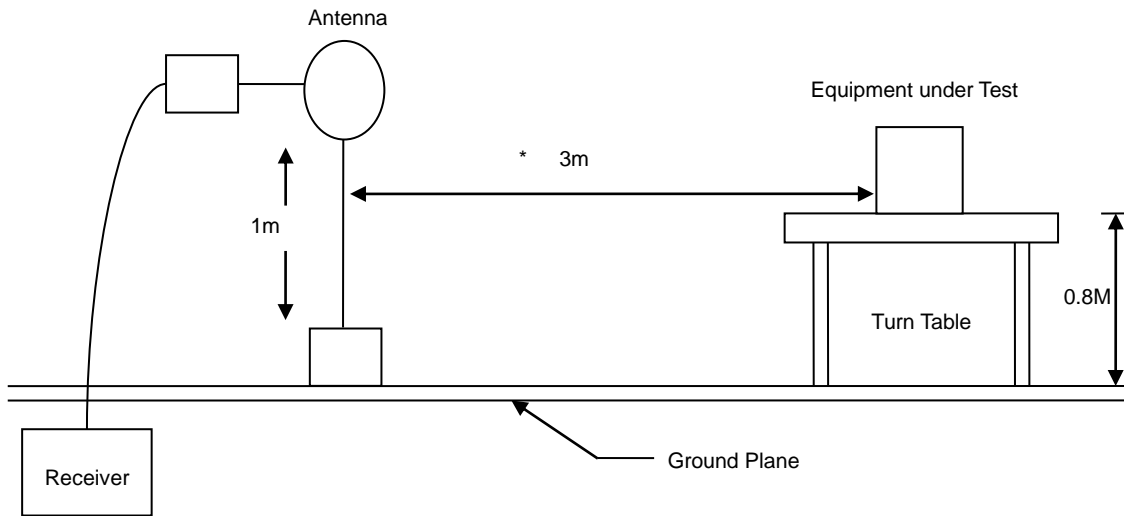
Note:

- 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.

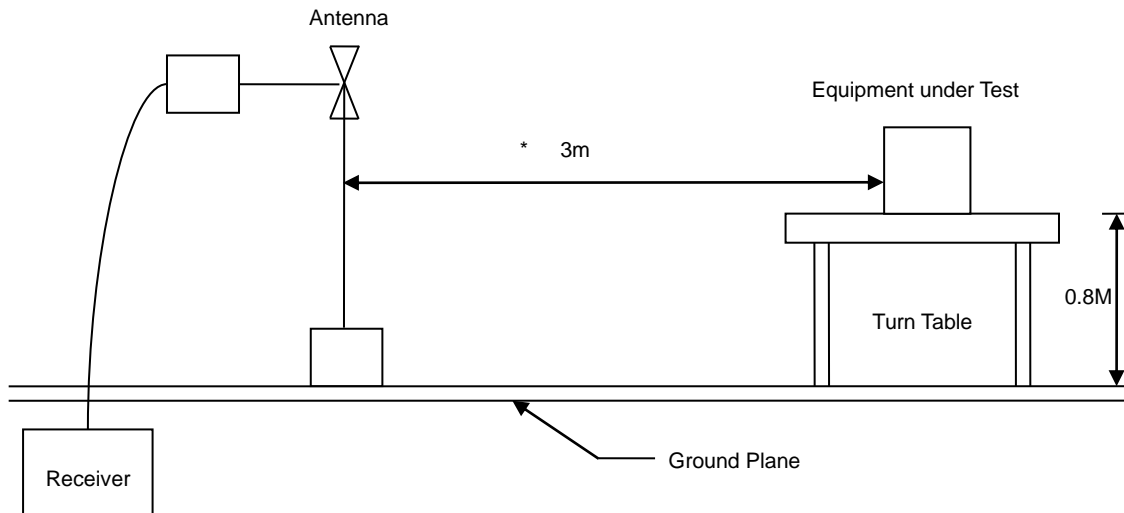


### 6.3. Typical Test Setup

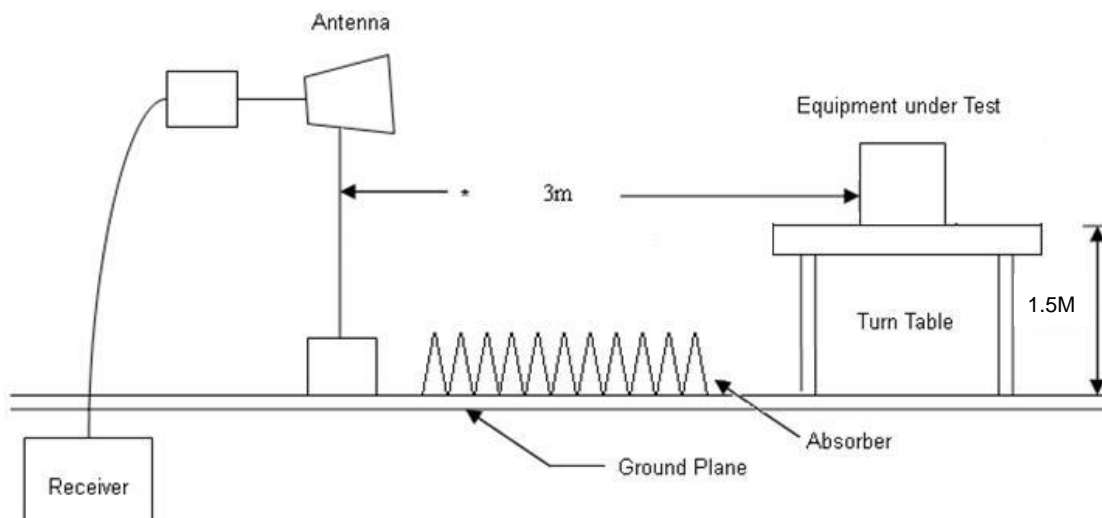
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



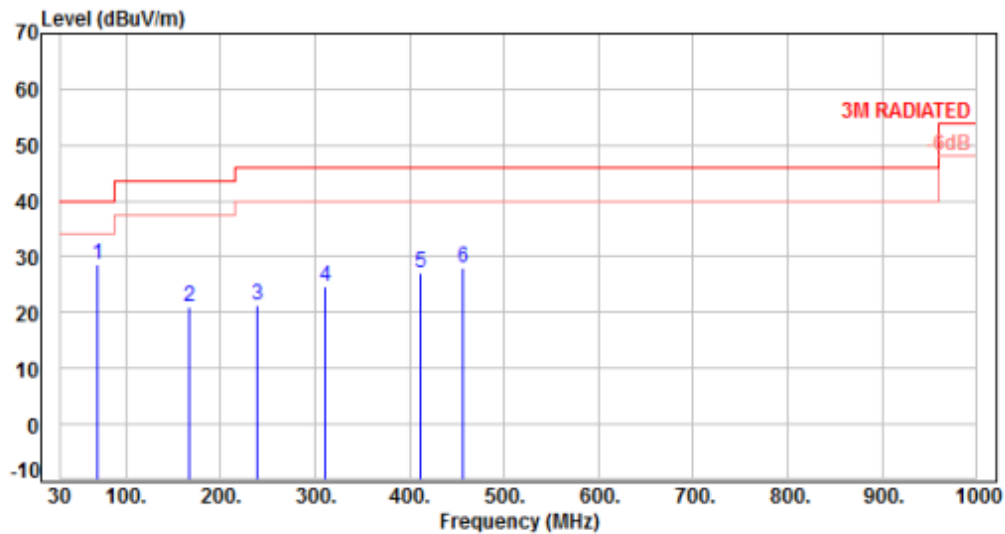


### 6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8		:	



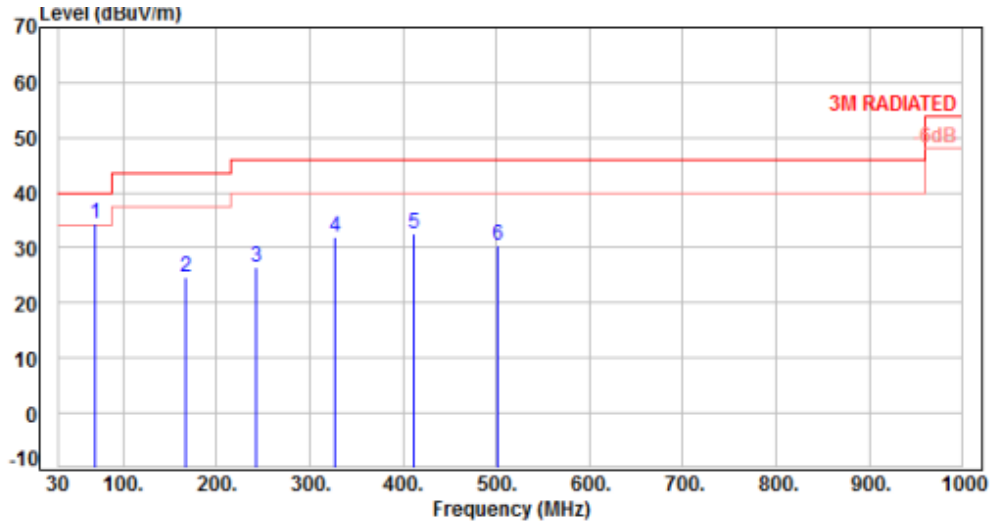
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	70.74	-13.45	41.99	28.54	40.00	-11.46	Peak	400	360	P
2	167.74	-11.18	32.21	21.03	43.50	-22.47	Peak	400	360	P
3	239.52	-12.61	33.82	21.21	46.00	-24.79	Peak	400	360	P
4	311.30	-9.74	34.42	24.68	46.00	-21.32	Peak	400	360	P
5	412.18	-7.26	34.50	27.24	46.00	-18.76	Peak	400	360	P
6	456.80	-5.85	33.73	27.88	46.00	-18.12	Peak	400	360	P

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





Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8		:	



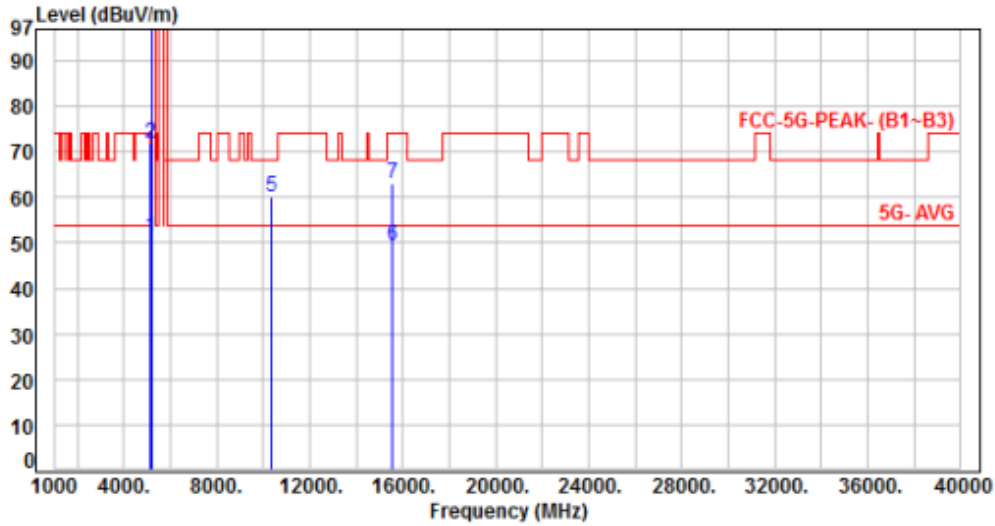
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	70.74	-13.45	47.97	34.52	40.00	-5.48	Peak	400	0	P
2	167.74	-11.18	35.71	24.53	43.50	-18.97	Peak	400	0	P
3	243.40	-12.24	38.62	26.38	46.00	-19.62	Peak	400	0	P
4	326.82	-9.20	41.13	31.93	46.00	-14.07	Peak	400	0	P
5	412.18	-7.26	39.96	32.70	46.00	-13.30	Peak	400	0	P
6	501.42	-5.08	35.50	30.42	46.00	-15.58	Peak	400	0	P

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



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

Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH36		:	

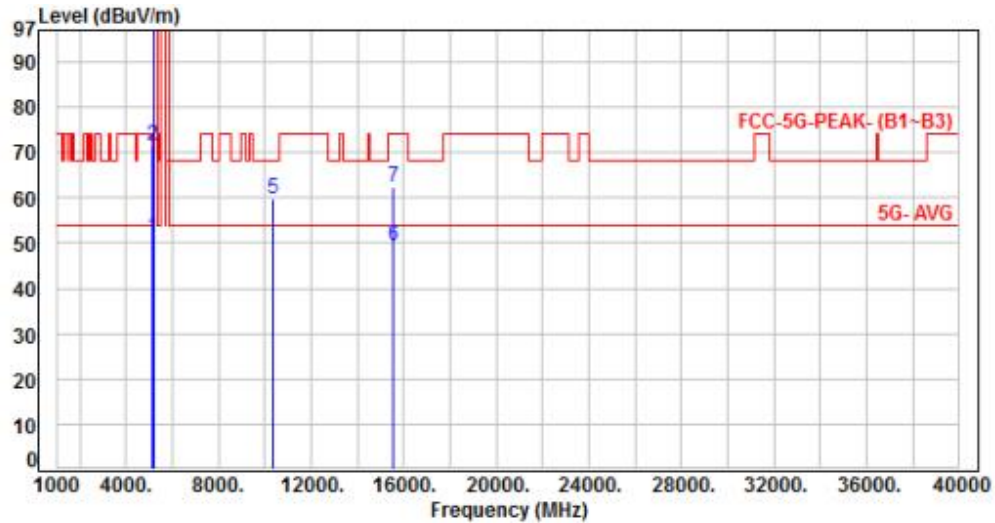


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.50	51.20	54.00	-2.80	Average	100	83	P
2	5150.00	6.70	65.12	71.82	74.00	-2.18	Peak	100	83	P
3	5180.00	6.85	98.89	105.74	200.00	-94.26	Average	100	83	P
4	5180.00	6.85	108.34	115.19	200.00	-84.81	Peak	100	83	P
5	10360.00	15.84	44.22	60.06	68.20	-8.14	Peak	100	191	P
6	15540.00	19.60	29.68	49.28	54.00	-4.72	Average	100	260	P
7	15540.00	19.60	43.44	63.04	74.00	-10.96	Peak	100	260	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH36		:	

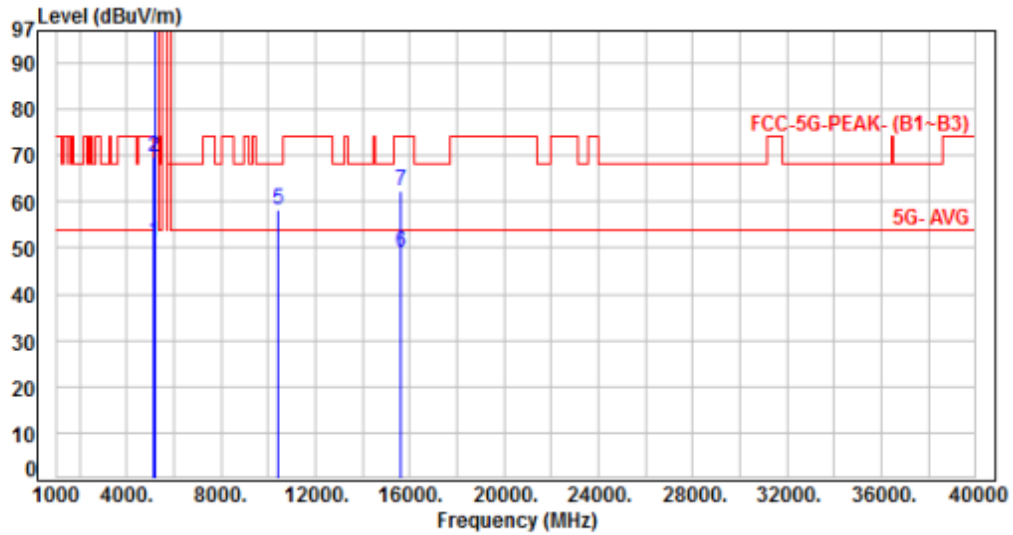


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.70	51.40	54.00	-2.60	Average	292	139	P
2	5150.00	6.70	65.00	71.70	74.00	-2.30	Peak	292	139	P
3	5180.00	6.85	95.81	102.66	200.00	-97.34	Average	292	139	P
4	5180.00	6.85	106.09	112.94	200.00	-87.06	Peak	292	139	P
5	10360.00	15.84	43.79	59.63	68.20	-8.57	Peak	100	158	P
6	15540.00	19.60	29.86	49.46	54.00	-4.54	Average	100	170	P
7	15540.00	19.60	42.56	62.16	74.00	-11.84	Peak	100	170	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH40		:	

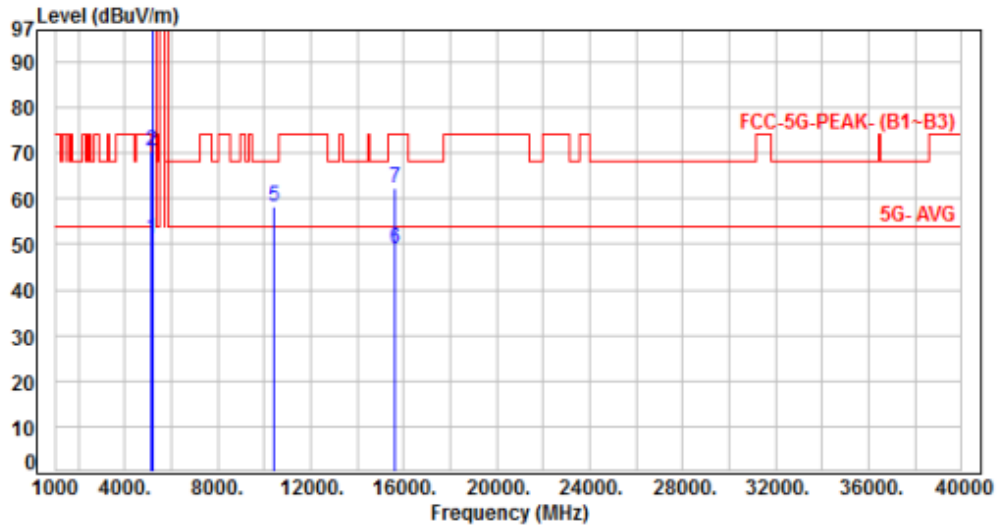


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.52	51.22	54.00	-2.78	Average	100	70	P
2	5150.00	6.70	62.97	69.67	74.00	-4.33	Peak	100	70	P
3	5200.00	6.95	100.62	107.57	200.00	-92.43	Average	100	70	P
4	5200.00	6.95	111.08	118.03	200.00	-81.97	Peak	100	70	P
5	10400.00	15.75	42.64	58.39	68.20	-9.81	Peak	100	214	P
6	15600.00	19.55	29.59	49.14	54.00	-4.86	Average	100	147	P
7	15600.00	19.55	42.70	62.25	74.00	-11.75	Peak	100	147	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH40		:	

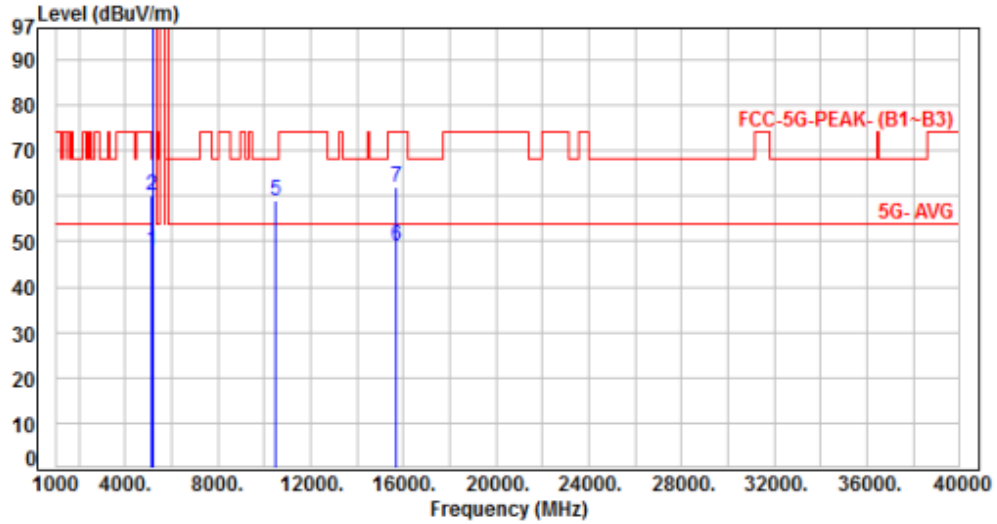


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.71	51.41	54.00	-2.59	Average	288	136	P
2	5150.00	6.70	63.70	70.40	74.00	-3.60	Peak	288	136	P
3	5200.00	6.95	98.94	105.89	200.00	-94.11	Average	288	136	P
4	5200.00	6.95	109.64	116.59	200.00	-83.41	Peak	288	136	P
5	10400.00	15.75	42.65	58.40	68.20	-9.80	Peak	100	184	P
6	15600.00	19.55	29.37	48.92	54.00	-5.08	Average	100	163	P
7	15600.00	19.55	42.72	62.27	74.00	-11.73	Peak	100	163	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 1, CH48		:	

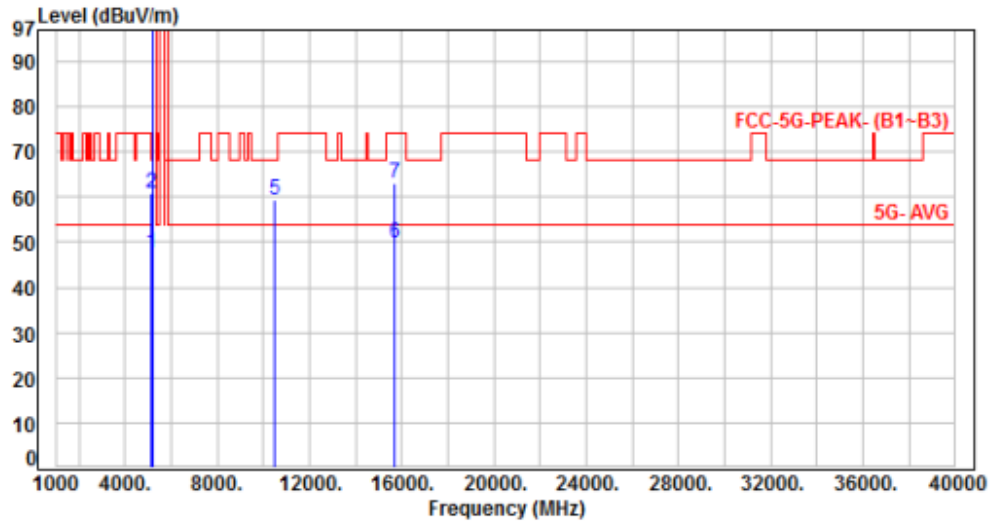


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.25	47.95	54.00	-6.05	Average	149	70	P
2	5150.00	6.70	53.46	60.16	74.00	-13.84	Peak	149	70	P
3	5240.00	7.00	102.02	109.02	200.00	-90.98	Average	149	70	P
4	5240.00	7.00	112.03	119.03	200.00	-80.97	Peak	149	70	P
5	10480.00	15.88	43.07	58.95	68.20	-9.25	Peak	100	185	P
6	15720.00	19.16	30.05	49.21	54.00	-4.79	Average	100	172	P
7	15720.00	19.16	42.98	62.14	74.00	-11.86	Peak	100	172	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 1, CH48		:	

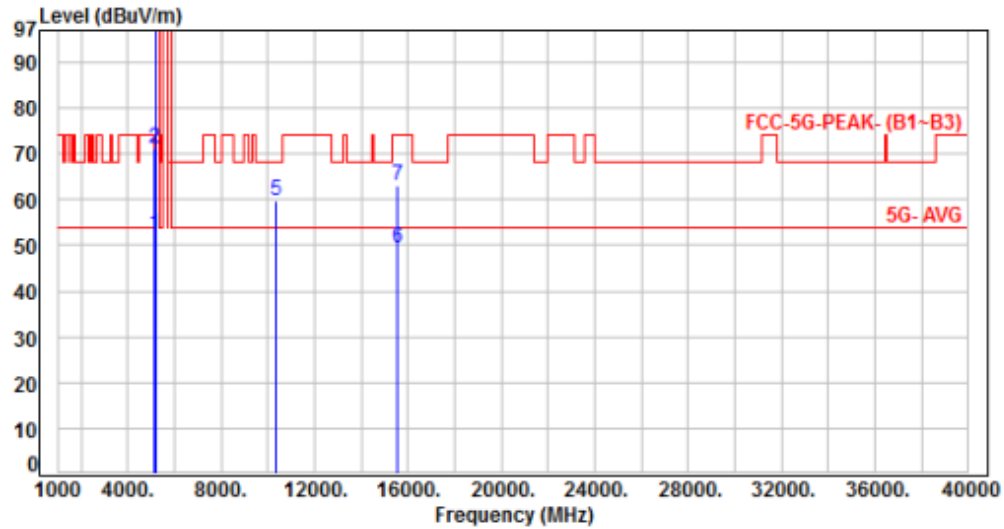


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	40.98	47.68	54.00	-6.32	Average	297	133	P
2	5150.00	6.70	54.04	60.74	74.00	-13.26	Peak	297	133	P
3	5240.00	7.00	98.77	105.77	200.00	-94.23	Average	297	133	P
4	5240.00	7.00	108.81	115.81	200.00	-84.19	Peak	297	133	P
5	10480.00	15.88	43.58	59.46	68.20	-8.74	Peak	100	193	P
6	15720.00	19.16	30.80	49.96	54.00	-4.04	Average	100	204	P
7	15720.00	19.16	43.73	62.89	74.00	-11.11	Peak	100	204	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, Band 1, CH36		:	



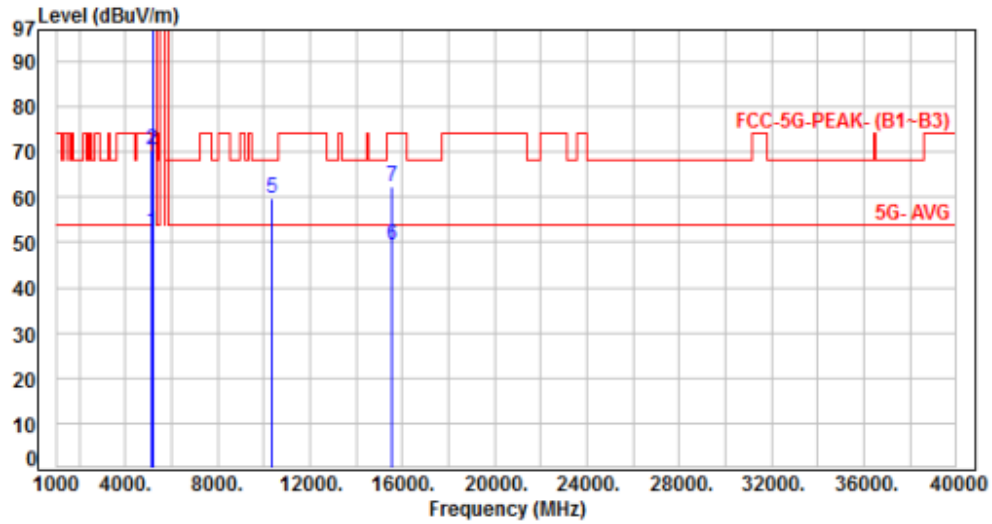
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.55	52.25	54.00	-1.75	Average	100	83	P
2	5150.00	6.70	64.33	71.03	74.00	-2.97	Peak	100	83	P
3	5180.00	6.85	96.75	103.60	200.00	-96.40	Average	100	83	P
4	5180.00	6.85	108.87	115.72	200.00	-84.28	Peak	100	83	P
5	10360.00	15.84	43.99	59.83	68.20	-8.37	Peak	100	325	P
6	15540.00	19.60	29.70	49.30	54.00	-4.70	Average	100	284	P
7	15540.00	19.60	43.62	63.22	74.00	-10.78	Peak	100	284	P

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





Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, Band 1, CH36		:	

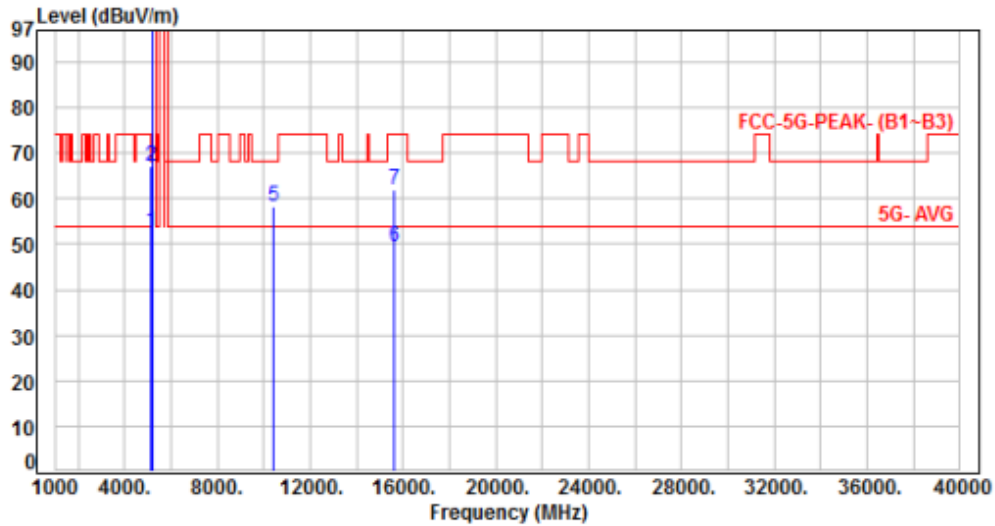


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.83	52.53	54.00	-1.47	Average	303	135	P
2	5150.00	6.70	63.74	70.44	74.00	-3.56	Peak	303	135	P
3	5180.00	6.85	94.62	101.47	200.00	-98.53	Average	303	135	P
4	5180.00	6.85	107.08	113.93	200.00	-86.07	Peak	303	135	P
5	10360.00	15.84	44.00	59.84	68.20	-8.36	Peak	100	267	P
6	15540.00	19.60	29.85	49.45	54.00	-4.55	Average	100	143	P
7	15540.00	19.60	42.74	62.34	74.00	-11.66	Peak	100	143	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, Band 1, CH40		:	

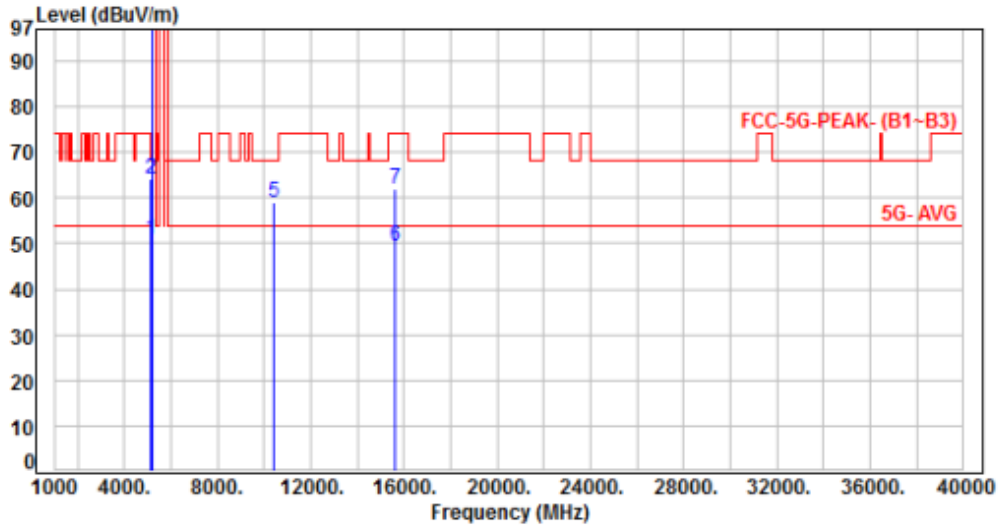


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.87	52.57	54.00	-1.43	Average	126	98	P
2	5150.00	6.70	60.44	67.14	74.00	-6.86	Peak	126	98	P
3	5200.00	6.95	100.70	107.65	200.00	-92.35	Average	100	98	P
4	5200.00	6.95	113.13	120.08	200.00	-79.92	Peak	100	98	P
5	10400.00	15.75	42.66	58.41	68.20	-9.79	Peak	100	167	P
6	15600.00	19.55	30.06	49.61	54.00	-4.39	Average	100	195	P
7	15600.00	19.55	42.52	62.07	74.00	-11.93	Peak	100	195	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, Band 1, CH40		:	

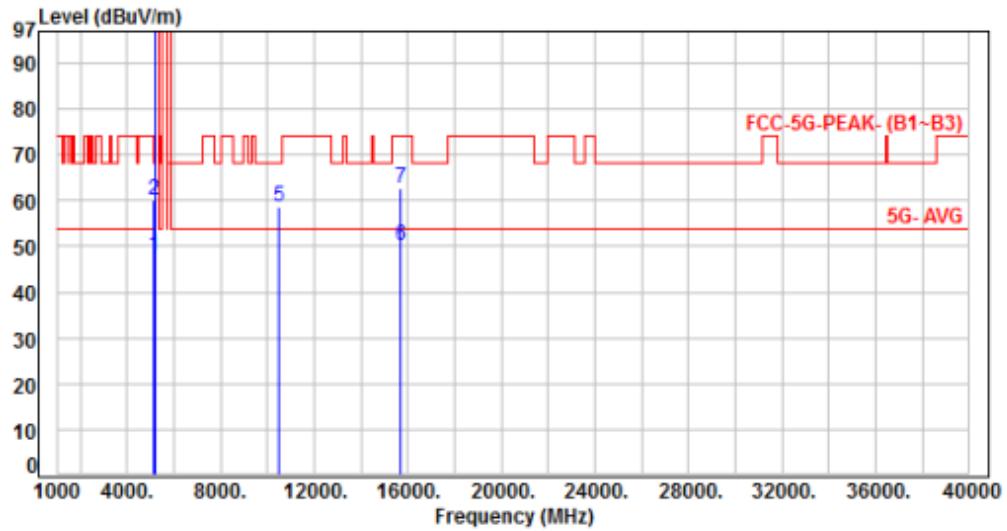


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.29	50.99	54.00	-3.01	Average	301	129	P
2	5150.00	6.70	57.37	64.07	74.00	-9.93	Peak	301	129	P
3	5200.00	6.95	98.05	105.00	200.00	-95.00	Average	301	129	P
4	5200.00	6.95	110.12	117.07	200.00	-82.93	Peak	301	129	P
5	10400.00	15.75	43.29	59.04	68.20	-9.16	Peak	100	138	P
6	15600.00	19.55	29.70	49.25	54.00	-4.75	Average	100	196	P
7	15600.00	19.55	42.55	62.10	74.00	-11.90	Peak	100	196	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, Band 1, CH48		:	

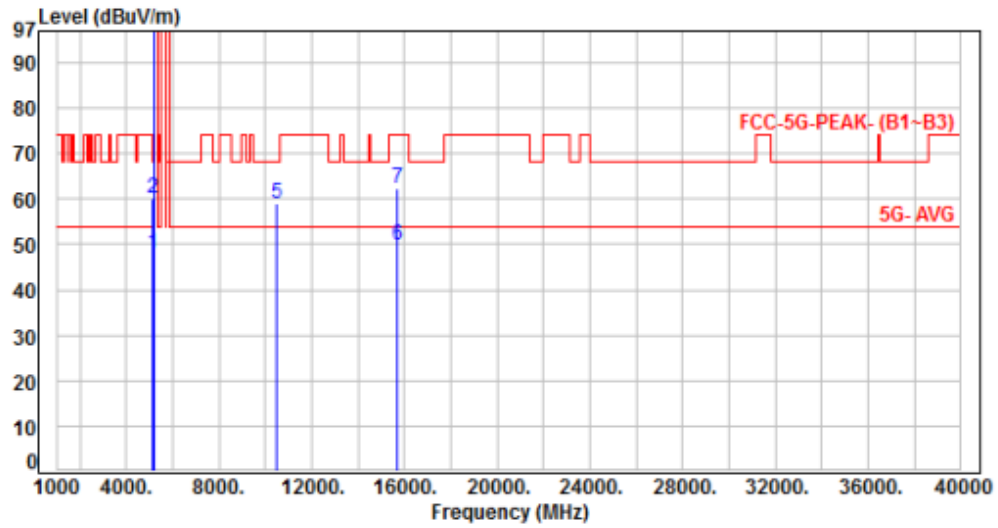


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.37	48.07	54.00	-5.93	Average	129	96	P
2	5150.00	6.70	53.53	60.23	74.00	-13.77	Peak	129	96	P
3	5240.00	7.00	102.92	109.92	200.00	-90.08	Average	129	96	P
4	5240.00	7.00	113.86	120.86	200.00	-79.14	Peak	129	96	P
5	10480.00	15.88	42.94	58.82	68.20	-9.38	Peak	100	134	P
6	15720.00	19.16	30.89	50.05	54.00	-3.95	Average	100	167	P
7	15720.00	19.16	43.60	62.76	74.00	-11.24	Peak	100	167	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, Band 1, CH48		:	

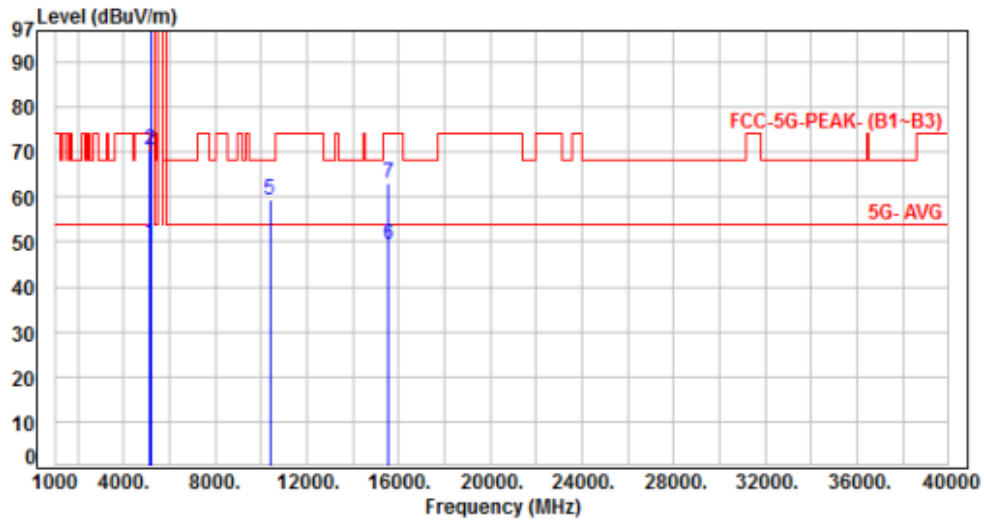


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.12	47.82	54.00	-6.18	Average	296	129	P
2	5150.00	6.70	53.37	60.07	74.00	-13.93	Peak	296	129	P
3	5240.00	7.00	97.93	104.93	200.00	-95.07	Average	296	129	P
4	5240.00	7.00	109.19	116.19	200.00	-83.81	Peak	296	129	P
5	10480.00	15.88	43.04	58.92	68.20	-9.28	Peak	100	169	P
6	15720.00	19.16	30.60	49.76	54.00	-4.24	Average	100	175	P
7	15720.00	19.16	43.32	62.48	74.00	-11.52	Peak	100	175	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, Band 1, CH38		:	

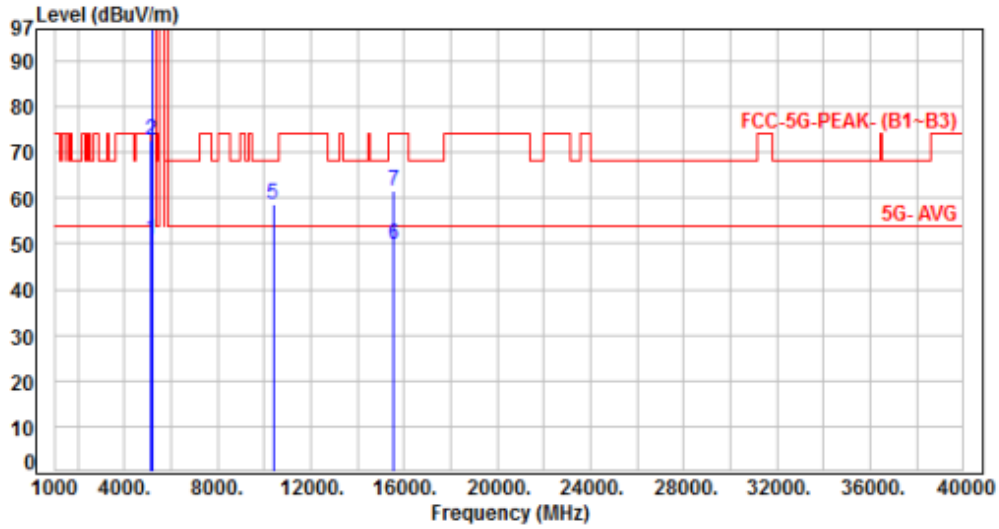


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	43.09	49.79	54.00	-4.21	Average	100	150	P
2	5150.00	6.70	63.59	70.29	74.00	-3.71	Peak	100	150	P
3	5190.00	6.90	91.55	98.45	200.00	-101.55	Average	100	150	P
4	5190.00	6.90	102.35	109.25	200.00	-90.75	Peak	100	150	P
5	10380.00	15.80	43.61	59.41	68.20	-8.79	Peak	100	123	P
6	15570.00	19.56	29.88	49.44	54.00	-4.56	Average	100	153	P
7	15570.00	19.56	43.51	63.07	74.00	-10.93	Peak	100	153	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, Band 1, CH38		:	

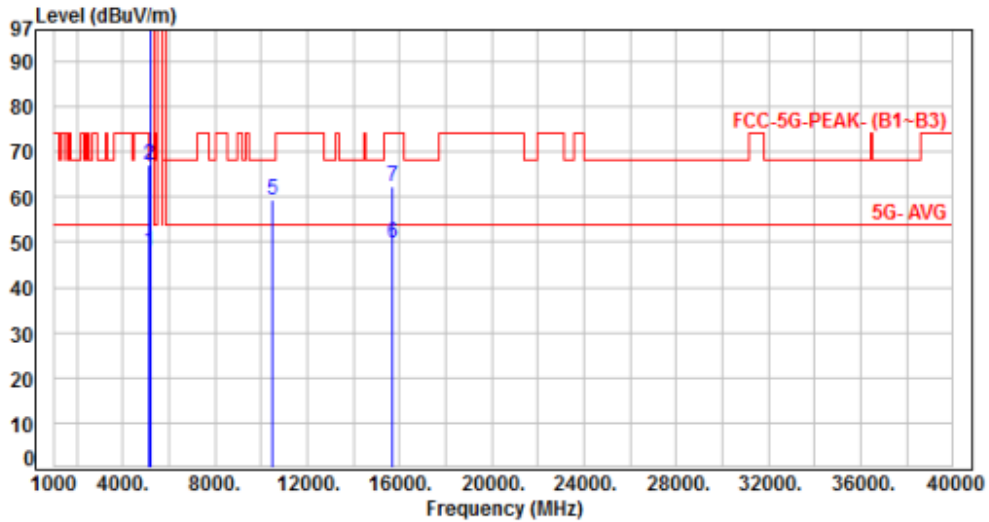


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.24	50.94	54.00	-3.06	Average	301	132	P
2	5150.00	6.70	65.95	72.65	74.00	-1.35	Peak	301	132	P
3	5190.00	6.90	95.55	102.45	200.00	-97.55	Average	301	132	P
4	5190.00	6.90	100.90	107.80	200.00	-92.20	Peak	301	132	P
5	10380.00	15.80	42.82	58.62	68.20	-9.58	Peak	100	192	P
6	15570.00	19.56	30.15	49.71	54.00	-4.29	Average	100	142	P
7	15570.00	19.56	42.17	61.73	74.00	-12.27	Peak	100	142	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, Band 1, CH46		:	



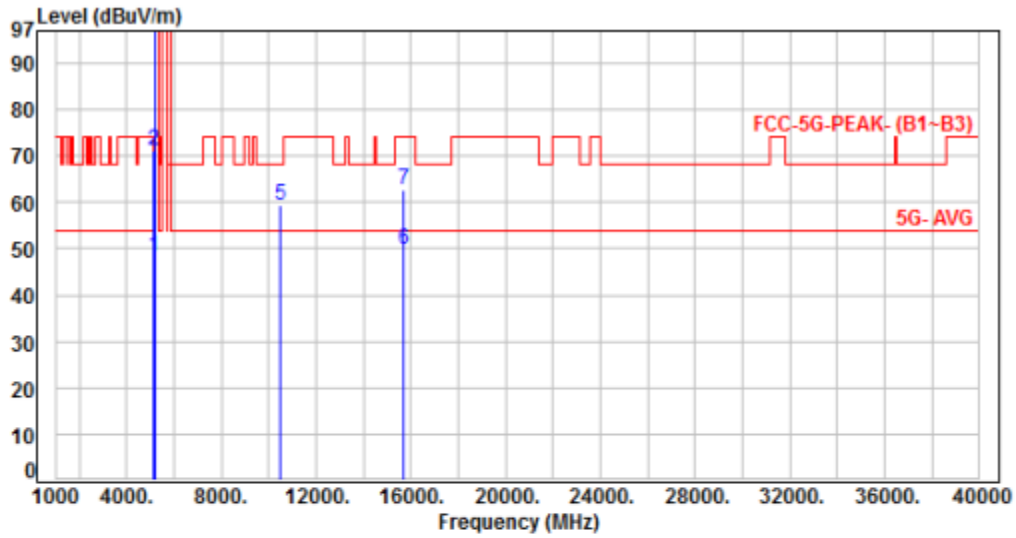
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.30	48.00	54.00	-6.00	Average	262	106	P
2	5150.00	6.70	60.31	67.01	74.00	-6.99	Peak	262	106	P
3	5230.00	6.99	92.65	99.64	200.00	-100.36	Average	262	106	P
4	5230.00	6.99	104.06	111.05	200.00	-88.95	Peak	262	106	P
5	10460.00	15.77	43.57	59.34	68.20	-8.86	Peak	100	224	P
6	15690.00	19.35	30.38	49.73	54.00	-4.27	Average	100	314	P
7	15690.00	19.35	42.84	62.19	74.00	-11.81	Peak	100	314	P

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





Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, Band 1, CH46		:	

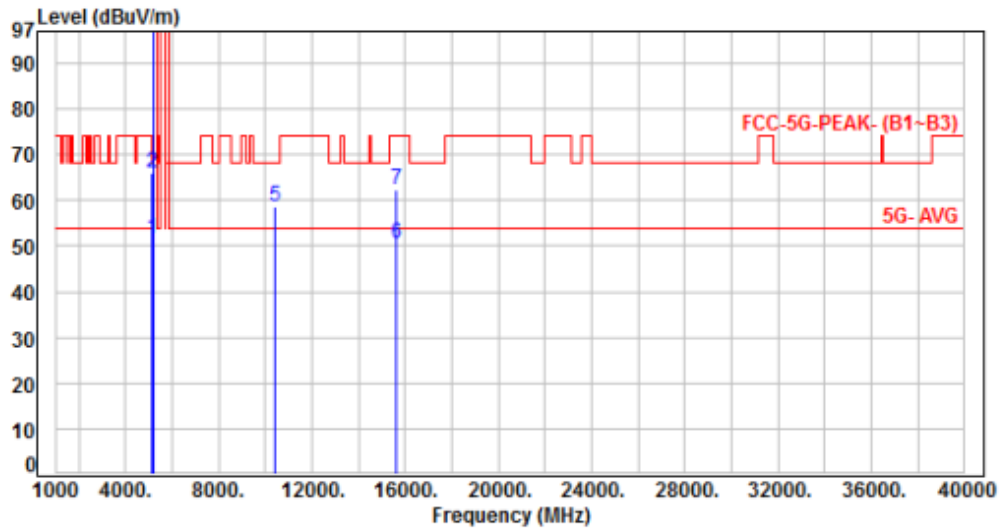


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.61	48.31	54.00	-5.69	Average	303	132	P
2	5150.00	6.70	64.56	71.26	74.00	-2.74	Peak	303	132	P
3	5230.00	6.99	90.44	97.43	200.00	-102.57	Average	303	132	P
4	5230.00	6.99	101.79	108.78	200.00	-91.22	Peak	303	132	P
5	10460.00	15.77	43.43	59.20	68.20	-9.00	Peak	100	258	P
6	15690.00	19.35	30.46	49.81	54.00	-4.19	Average	100	307	P
7	15690.00	19.35	43.40	62.75	74.00	-11.25	Peak	100	307	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 9, Band 1, CH42		:	

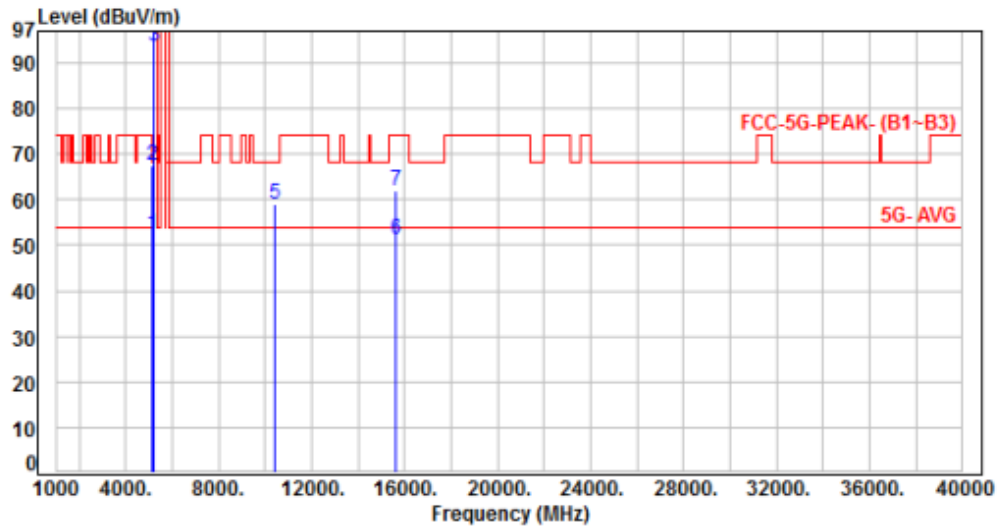


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.08	51.78	54.00	-2.22	Average	153	94	P
2	5150.00	6.70	59.26	65.96	74.00	-8.04	Peak	153	94	P
3	5210.00	6.97	89.12	96.09	200.00	-103.91	Average	153	94	P
4	5210.00	6.97	99.90	106.87	200.00	-93.13	Peak	153	94	P
5	10420.00	15.74	43.05	58.79	68.20	-9.41	Peak	100	224	P
6	15630.00	19.48	31.20	50.68	54.00	-3.32	Average	100	334	P
7	15630.00	19.48	42.86	62.34	74.00	-11.66	Peak	100	334	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 9, Band 1, CH42		:	

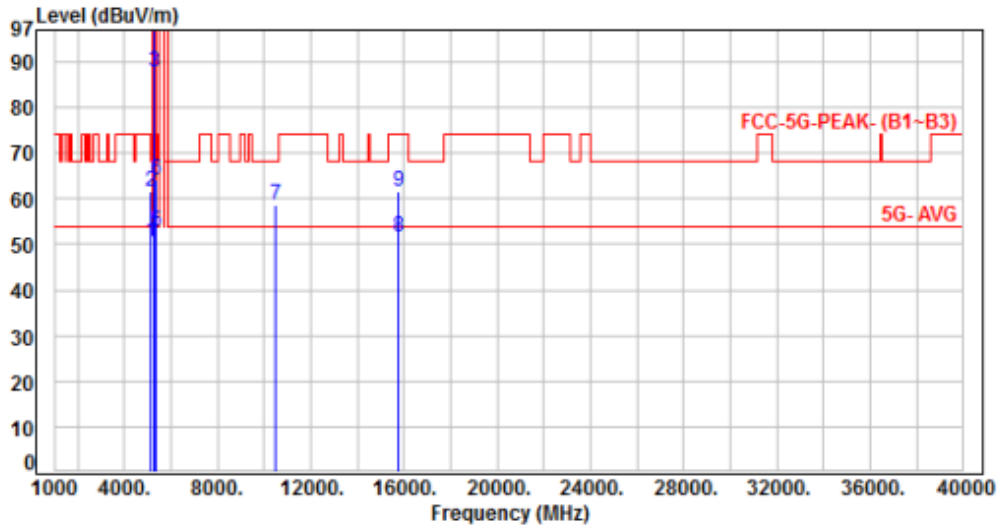


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.58	52.28	54.00	-1.72	Average	345	136	P
2	5150.00	6.70	60.89	67.59	74.00	-6.41	Peak	345	136	P
3	5210.00	6.97	86.76	93.73	200.00	-106.27	Average	345	136	P
4	5210.00	6.97	97.37	104.34	200.00	-95.66	Peak	345	136	P
5	10420.00	15.74	43.14	58.88	68.20	-9.32	Peak	100	117	P
6	15630.00	19.48	31.62	51.10	54.00	-2.90	Average	100	224	P
7	15630.00	19.48	42.64	62.12	74.00	-11.88	Peak	100	224	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 10, Band 1, CH50		:	

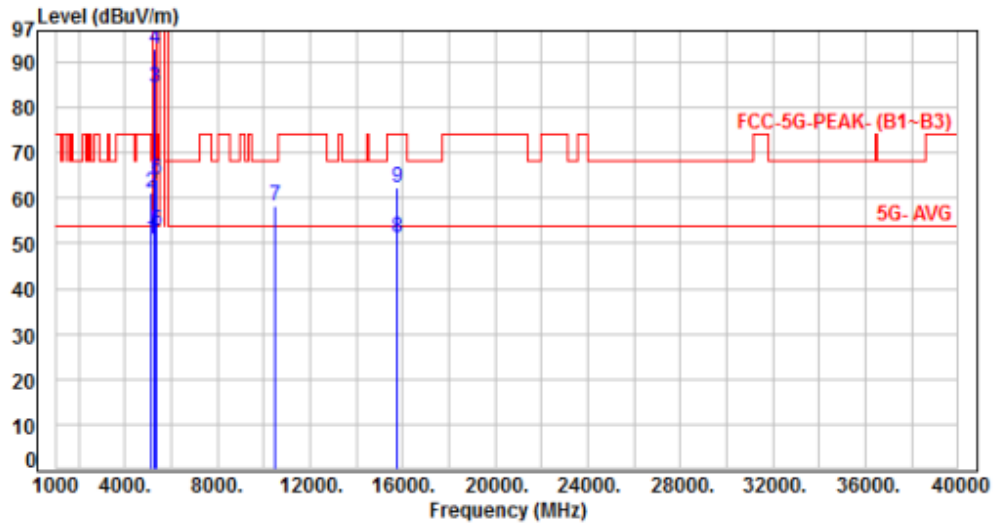


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	43.97	50.67	54.00	-3.33	Average	174	145	P
2	5150.00	6.70	54.98	61.68	74.00	-12.32	Peak	174	145	P
3	5250.00	7.01	80.95	87.96	200.00	-112.04	Average	174	145	P
4	5250.00	7.01	90.22	97.23	200.00	-102.77	Peak	174	145	P
5	5350.00	7.22	45.66	52.88	54.00	-1.12	Average	174	145	P
6	5350.00	7.22	56.77	63.99	74.00	-10.01	Peak	174	145	P
7	10500.00	15.99	42.65	58.64	68.20	-9.56	Peak	100	224	P
8	15750.00	18.91	32.72	51.63	54.00	-2.37	Average	100	306	P
9	15750.00	18.91	42.75	61.66	74.00	-12.34	Peak	100	306	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 10, Band 1, CH50		:	

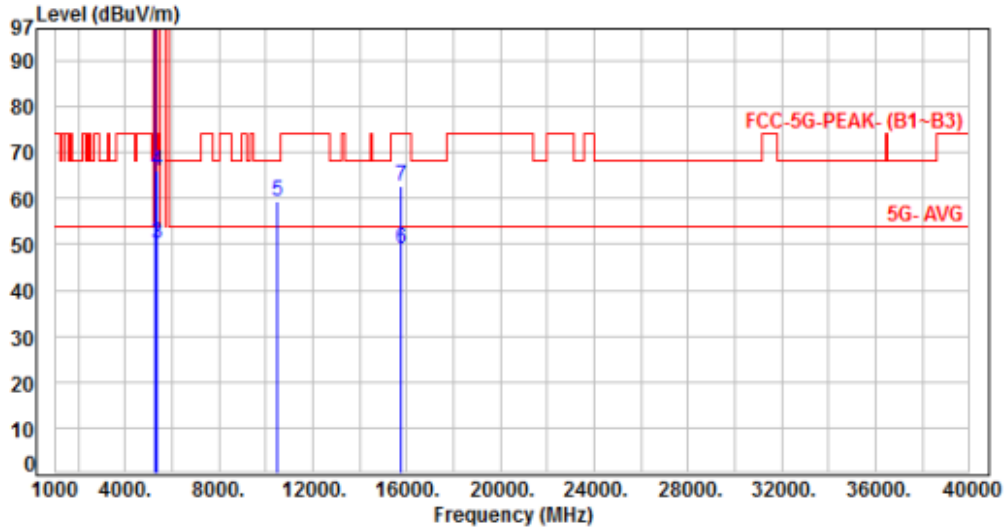


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.14	50.84	54.00	-3.16	Average	295	130	P
2	5150.00	6.70	54.52	61.22	74.00	-12.78	Peak	295	130	P
3	5250.00	7.01	77.60	84.61	200.00	-115.39	Average	295	130	P
4	5250.00	7.01	85.82	92.83	200.00	-107.17	Peak	295	130	P
5	5350.00	7.22	45.52	52.74	54.00	-1.26	Average	295	130	P
6	5350.00	7.22	57.12	64.34	74.00	-9.66	Peak	295	130	P
7	10500.00	15.99	42.39	58.38	68.20	-9.82	Peak	100	113	P
8	15750.00	18.91	32.46	51.37	54.00	-2.63	Average	100	269	P
9	15750.00	18.91	43.52	62.43	74.00	-11.57	Peak	100	269	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH52		:	

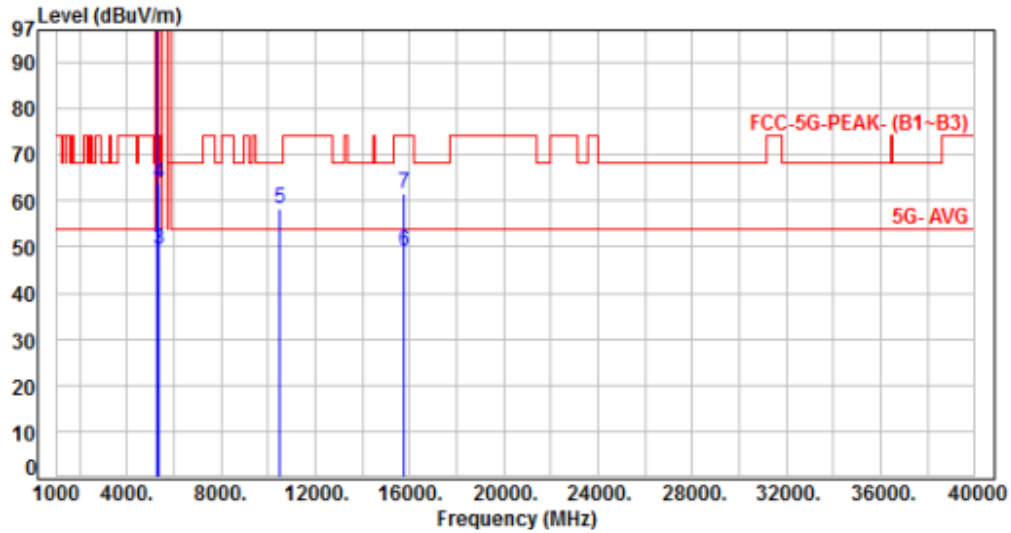


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	102.02	109.06	200.00	-90.94	Average	126	67	P
2	5260.00	7.04	110.87	117.91	200.00	-82.09	Peak	126	67	P
3	5350.00	7.22	43.12	50.34	54.00	-3.66	Average	126	67	P
4	5350.00	7.22	58.85	66.07	74.00	-7.93	Peak	126	67	P
5	10520.00	16.01	43.47	59.48	68.20	-8.72	Peak	100	146	P
6	15780.00	18.72	30.21	48.93	54.00	-5.07	Average	100	221	P
7	15780.00	18.72	44.05	62.77	74.00	-11.23	Peak	100	221	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH52		:	

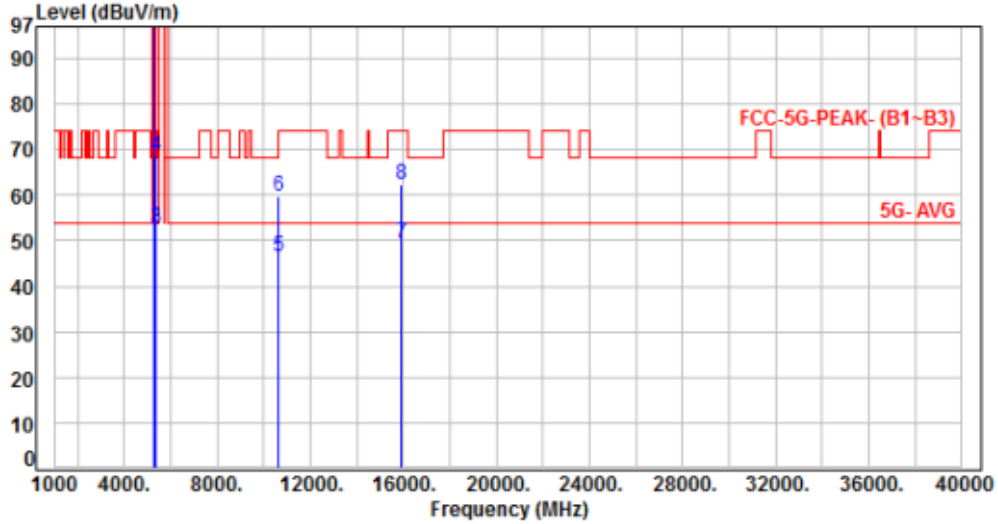


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	98.38	105.42	200.00	-94.58	Average	297	136	P
2	5260.00	7.04	108.77	115.81	200.00	-84.19	Peak	297	136	P
3	5350.00	7.22	42.23	49.45	54.00	-4.55	Average	297	136	P
4	5350.00	7.22	56.72	63.94	74.00	-10.06	Peak	297	136	P
5	10520.00	16.01	42.09	58.10	68.20	-10.10	Peak	100	174	P
6	15780.00	18.72	30.37	49.09	54.00	-4.91	Average	100	271	P
7	15780.00	18.72	42.99	61.71	74.00	-12.29	Peak	100	271	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH60		:	



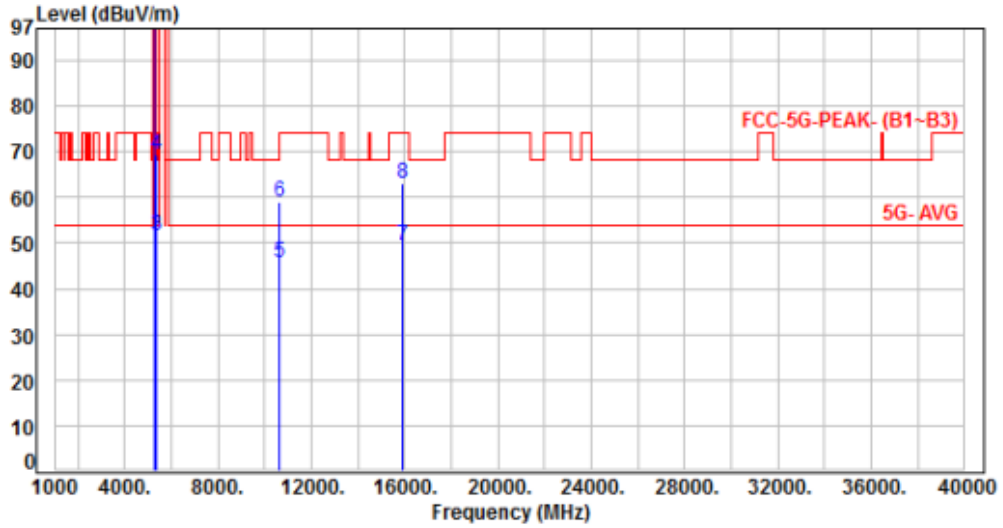
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	98.33	105.50	200.00	-94.50	Average	100	79	P
2	5300.00	7.17	108.11	115.28	200.00	-84.72	Peak	100	79	P
3	5350.00	7.22	45.58	52.80	54.00	-1.20	Average	100	79	P
4	5350.00	7.22	61.23	68.45	74.00	-5.55	Peak	100	79	P
5	10600.00	16.12	30.33	46.45	54.00	-7.55	Average	100	224	P
6	10600.00	16.12	43.65	59.77	74.00	-14.23	Peak	100	224	P
7	15900.00	18.77	30.59	49.36	54.00	-4.64	Average	100	166	P
8	15900.00	18.77	43.68	62.45	74.00	-11.55	Peak	100	166	P

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





Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH60		:	

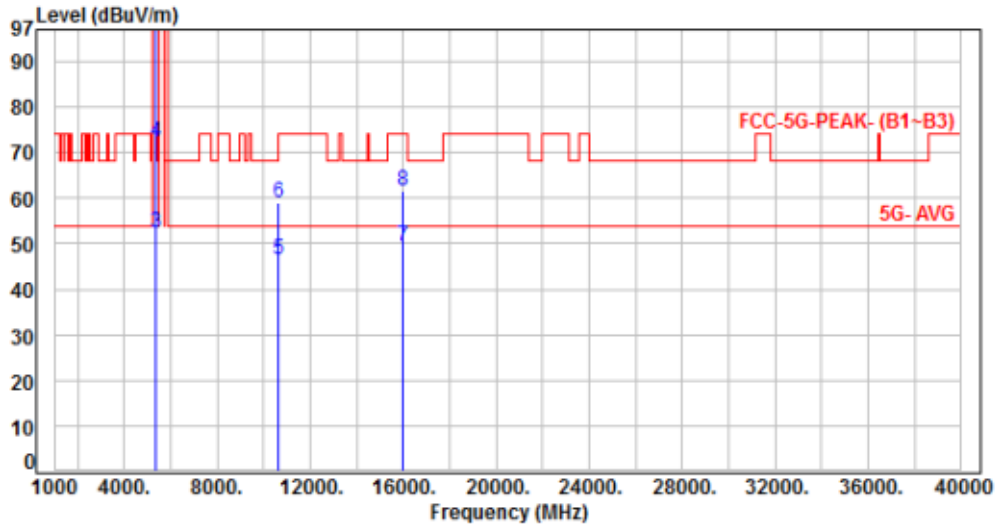


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	95.72	102.89	200.00	-97.11	Average	301	136	P
2	5300.00	7.17	105.24	112.41	200.00	-87.59	Peak	301	136	P
3	5350.00	7.22	44.27	51.49	54.00	-2.51	Average	301	136	P
4	5350.00	7.22	62.24	69.46	74.00	-4.54	Peak	301	136	P
5	10600.00	16.12	29.64	45.76	54.00	-8.24	Average	100	163	P
6	10600.00	16.12	43.04	59.16	74.00	-14.84	Peak	100	163	P
7	15900.00	18.77	30.56	49.33	54.00	-4.67	Average	100	261	P
8	15900.00	18.77	44.22	62.99	74.00	-11.01	Peak	100	261	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 2, CH64		:	

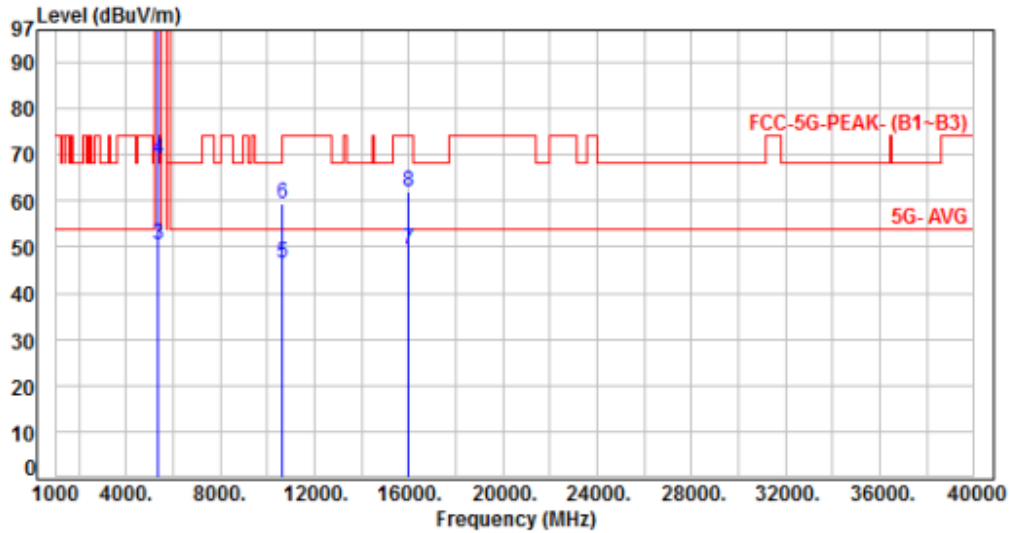


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	96.57	103.76	200.00	-96.24	Average	144	66	P
2	5320.00	7.19	105.91	113.10	200.00	-86.90	Peak	144	66	P
3	5350.00	7.22	45.25	52.47	54.00	-1.53	Average	144	66	P
4	5350.00	7.22	64.89	72.11	74.00	-1.89	Peak	144	66	P
5	10640.00	16.25	30.25	46.50	54.00	-7.50	Average	100	214	P
6	10640.00	16.25	42.64	58.89	74.00	-15.11	Peak	100	214	P
7	15960.00	18.80	30.64	49.44	54.00	-4.56	Average	100	124	P
8	15960.00	18.80	42.86	61.66	74.00	-12.34	Peak	100	124	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 2, CH64		:	

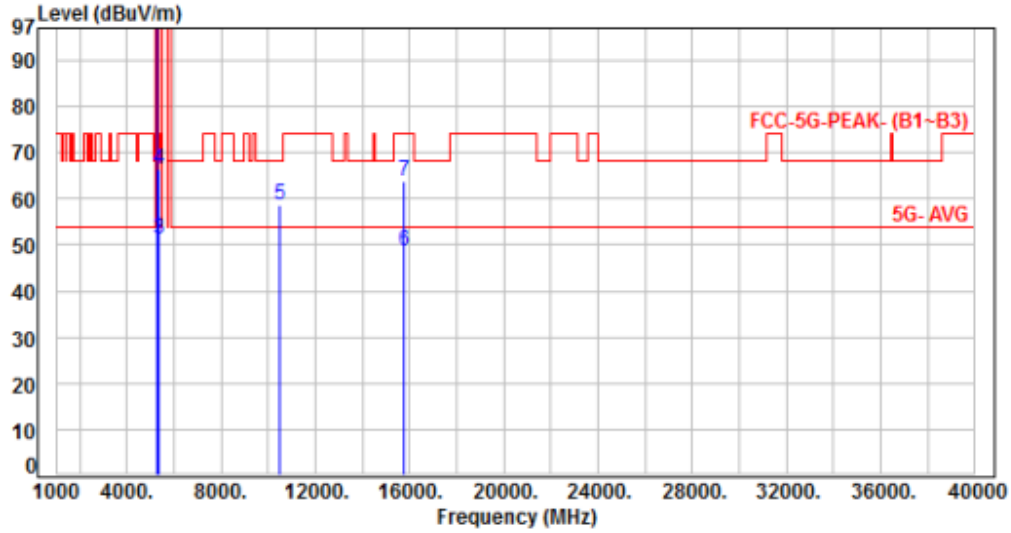


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	92.47	99.66	200.00	-100.34	Average	292	132	P
2	5320.00	7.19	102.24	109.43	200.00	-90.57	Peak	292	132	P
3	5350.00	7.22	43.46	50.68	54.00	-3.32	Average	292	132	P
4	5350.00	7.22	61.58	68.80	74.00	-5.20	Peak	292	132	P
5	10640.00	16.25	30.18	46.43	54.00	-7.57	Average	100	186	P
6	10640.00	16.25	43.19	59.44	74.00	-14.56	Peak	100	186	P
7	15960.00	18.80	30.54	49.34	54.00	-4.66	Average	100	217	P
8	15960.00	18.80	43.34	62.14	74.00	-11.86	Peak	100	217	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, Band 2, CH52		:	

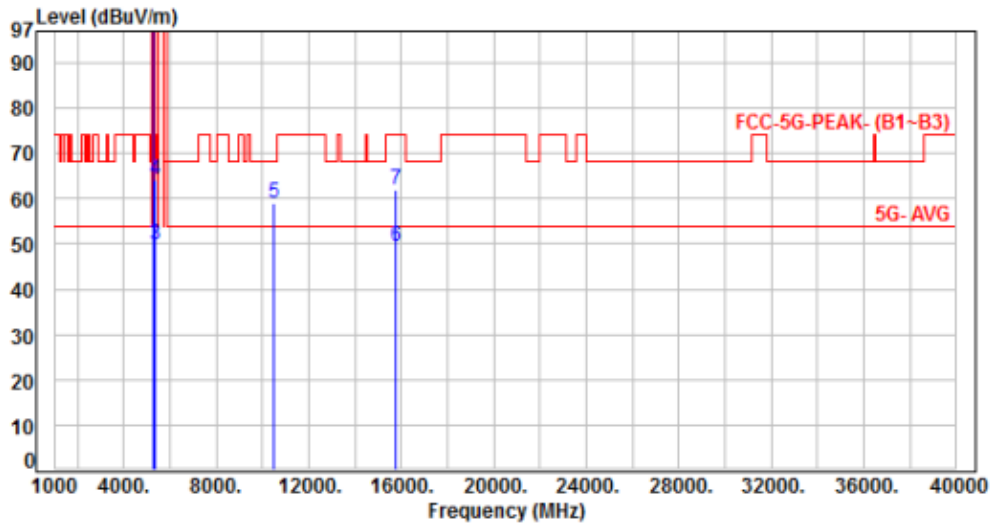


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	100.32	107.36	200.00	-92.64	Average	172	83	P
2	5260.00	7.04	112.44	119.48	200.00	-80.52	Peak	172	83	P
3	5350.00	7.22	43.87	51.09	54.00	-2.91	Average	172	83	P
4	5350.00	7.22	58.99	66.21	74.00	-7.79	Peak	172	83	P
5	10520.00	16.01	42.46	58.47	68.20	-9.73	Peak	100	225	P
6	15780.00	18.72	30.14	48.86	54.00	-5.14	Average	100	264	P
7	15780.00	18.72	45.23	63.95	74.00	-10.05	Peak	100	264	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, Band 2, CH52		:	

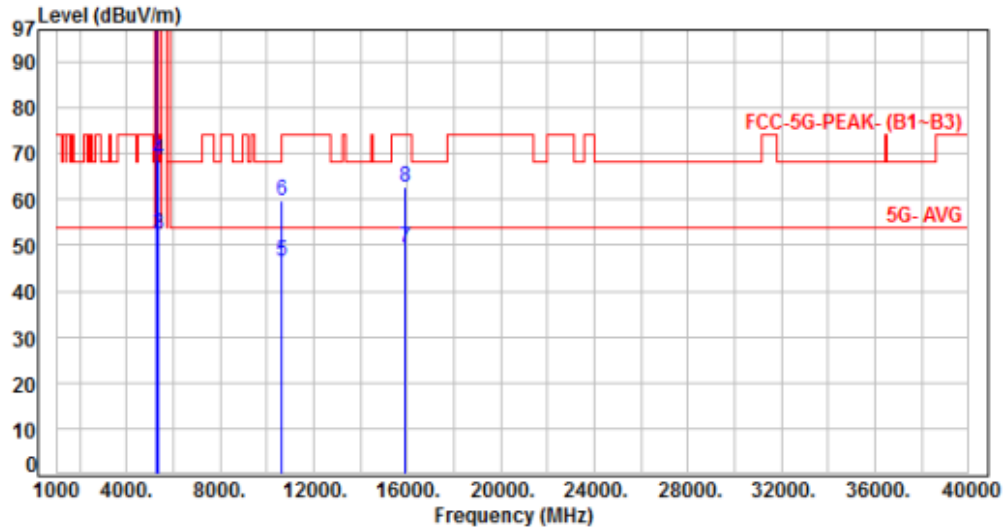


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	97.22	104.26	200.00	-95.74	Average	350	136	P
2	5260.00	7.04	109.24	116.28	200.00	-83.72	Peak	350	136	P
3	5350.00	7.22	42.71	49.93	54.00	-4.07	Average	350	136	P
4	5350.00	7.22	56.87	64.09	74.00	-9.91	Peak	350	136	P
5	10520.00	16.01	42.93	58.94	68.20	-9.26	Peak	100	118	P
6	15780.00	18.72	30.52	49.24	54.00	-4.76	Average	100	314	P
7	15780.00	18.72	43.07	61.79	74.00	-12.21	Peak	100	314	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, Band 2, CH60		:	

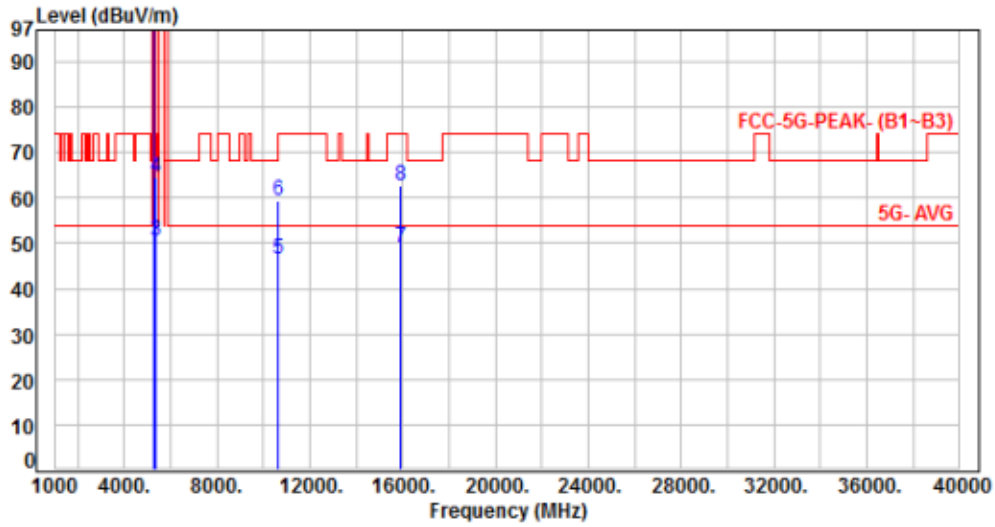


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	96.10	103.27	200.00	-96.73	Average	100	57	P
2	5300.00	7.17	108.42	115.59	200.00	-84.41	Peak	100	57	P
3	5350.00	7.22	45.10	52.32	54.00	-1.68	Average	100	57	P
4	5350.00	7.22	61.38	68.60	74.00	-5.40	Peak	100	57	P
5	10600.00	16.12	30.22	46.34	54.00	-7.66	Average	100	114	P
6	10600.00	16.12	43.61	59.73	74.00	-14.27	Peak	100	114	P
7	15900.00	18.77	30.64	49.41	54.00	-4.59	Average	100	246	P
8	15900.00	18.77	43.80	62.57	74.00	-11.43	Peak	100	246	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, Band 2, CH60		:	

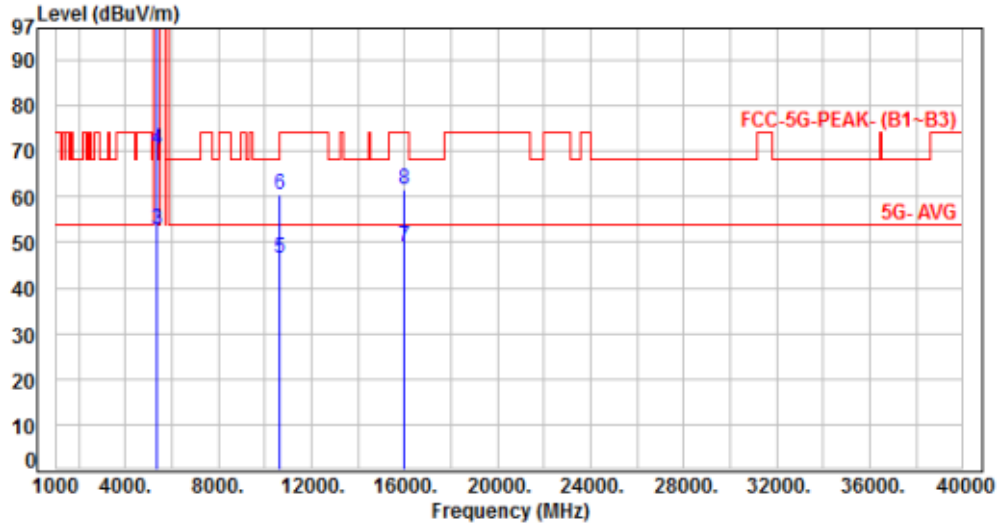


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	94.48	101.65	200.00	-98.35	Average	295	132	P
2	5300.00	7.17	106.65	113.82	200.00	-86.18	Peak	295	132	P
3	5350.00	7.22	43.19	50.41	54.00	-3.59	Average	295	132	P
4	5350.00	7.22	57.27	64.49	74.00	-9.51	Peak	295	132	P
5	10600.00	16.12	30.50	46.62	54.00	-7.38	Average	100	164	P
6	10600.00	16.12	43.10	59.22	74.00	-14.78	Peak	100	164	P
7	15900.00	18.77	30.44	49.21	54.00	-4.79	Average	100	216	P
8	15900.00	18.77	43.80	62.57	74.00	-11.43	Peak	100	216	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, Band 2, CH64		:	



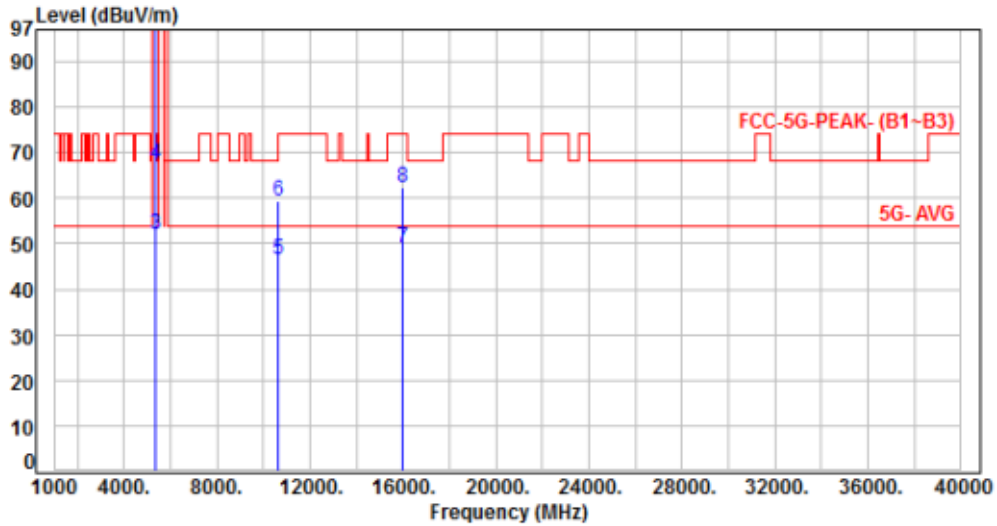
No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	94.12	101.31	200.00	-98.69	Average	108	152	P
2	5320.00	7.19	106.59	113.78	200.00	-86.22	Peak	108	152	P
3	5350.00	7.22	45.43	52.65	54.00	-1.35	Average	108	152	P
4	5350.00	7.22	63.08	70.30	74.00	-3.70	Peak	108	152	P
5	10640.00	16.25	30.20	46.45	54.00	-7.55	Average	100	106	P
6	10640.00	16.25	44.37	60.62	74.00	-13.38	Peak	100	106	P
7	15960.00	18.80	30.35	49.15	54.00	-4.85	Average	100	221	P
8	15960.00	18.80	42.95	61.75	74.00	-12.25	Peak	100	221	P

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





Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, Band 2, CH64		:	

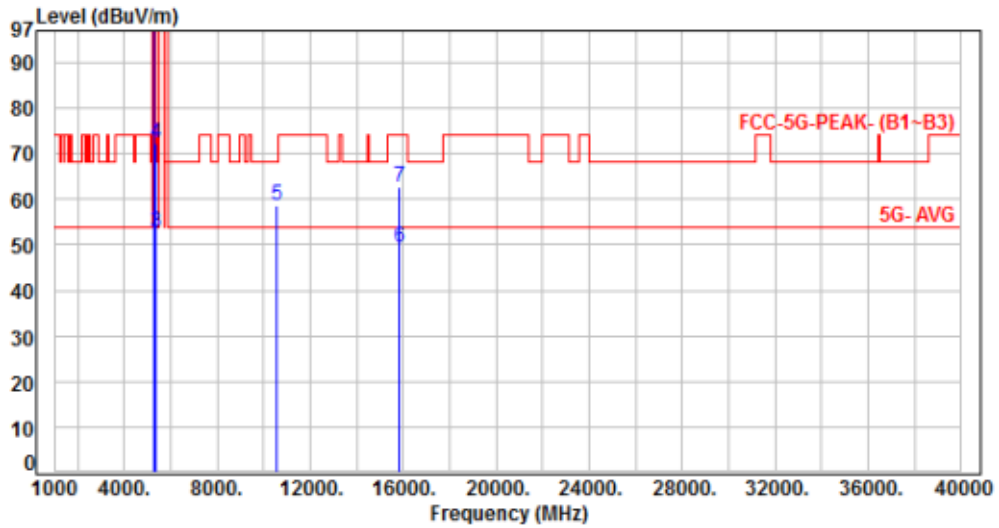


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	91.74	98.93	200.00	-101.07	Average	291	133	P
2	5320.00	7.19	104.14	111.33	200.00	-88.67	Peak	291	133	P
3	5350.00	7.22	44.83	52.05	54.00	-1.95	Average	291	133	P
4	5350.00	7.22	60.44	67.66	74.00	-6.34	Peak	291	133	P
5	10640.00	16.25	30.07	46.32	54.00	-7.68	Average	100	196	P
6	10640.00	16.25	43.24	59.49	74.00	-14.51	Peak	100	196	P
7	15960.00	18.80	30.41	49.21	54.00	-4.79	Average	100	214	P
8	15960.00	18.80	43.65	62.45	74.00	-11.55	Peak	100	214	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, Band 2, CH54		:	

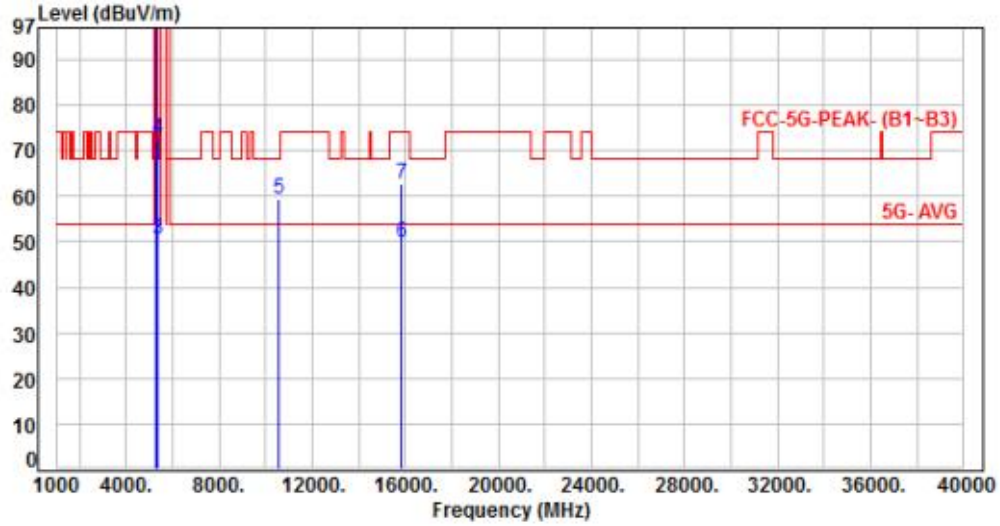


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	7.07	93.18	100.25	200.00	-99.75	Average	126	96	P
2	5270.00	7.07	104.52	111.59	200.00	-88.41	Peak	126	96	P
3	5350.00	7.22	45.43	52.65	54.00	-1.35	Average	126	96	P
4	5350.00	7.22	65.21	72.43	74.00	-1.57	Peak	126	96	P
5	10540.00	16.04	42.67	58.71	68.20	-9.49	Peak	100	126	P
6	15810.00	18.61	31.00	49.61	54.00	-4.39	Average	100	223	P
7	15810.00	18.61	43.96	62.57	74.00	-11.43	Peak	100	223	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, Band 2, CH54		:	

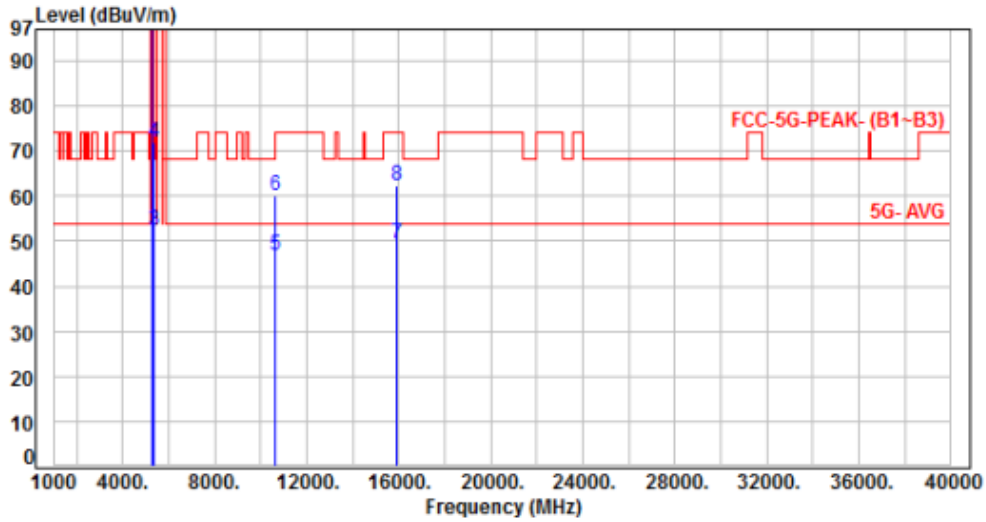


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	7.07	90.49	97.56	200.00	-102.44	Average	298	132	P
2	5270.00	7.07	101.22	108.29	200.00	-91.71	Peak	298	132	P
3	5350.00	7.22	43.48	50.70	54.00	-3.30	Average	298	132	P
4	5350.00	7.22	65.29	72.51	74.00	-1.49	Peak	298	132	P
5	10540.00	16.04	43.30	59.34	68.20	-8.86	Peak	100	238	P
6	15810.00	18.61	31.15	49.76	54.00	-4.24	Average	100	310	P
7	15810.00	18.61	43.96	62.57	74.00	-11.43	Peak	100	310	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, Band 2, CH62		:	

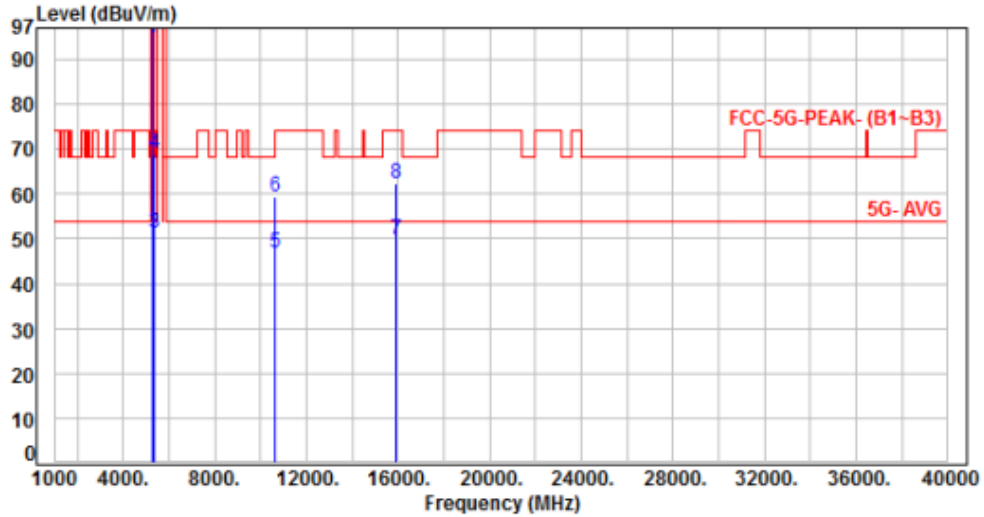


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	7.18	90.12	97.30	200.00	-102.70	Average	124	142	P
2	5310.00	7.18	101.54	108.72	200.00	-91.28	Peak	124	142	P
3	5350.00	7.22	45.33	52.55	54.00	-1.45	Average	124	142	P
4	5350.00	7.22	64.73	71.95	74.00	-2.05	Peak	124	142	P
5	10620.00	16.19	30.60	46.79	54.00	-7.21	Average	100	214	P
6	10620.00	16.19	43.82	60.01	74.00	-13.99	Peak	100	214	P
7	15930.00	18.76	30.68	49.44	54.00	-4.56	Average	100	237	P
8	15930.00	18.76	43.40	62.16	74.00	-11.84	Peak	100	237	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, Band 2, CH62		:	

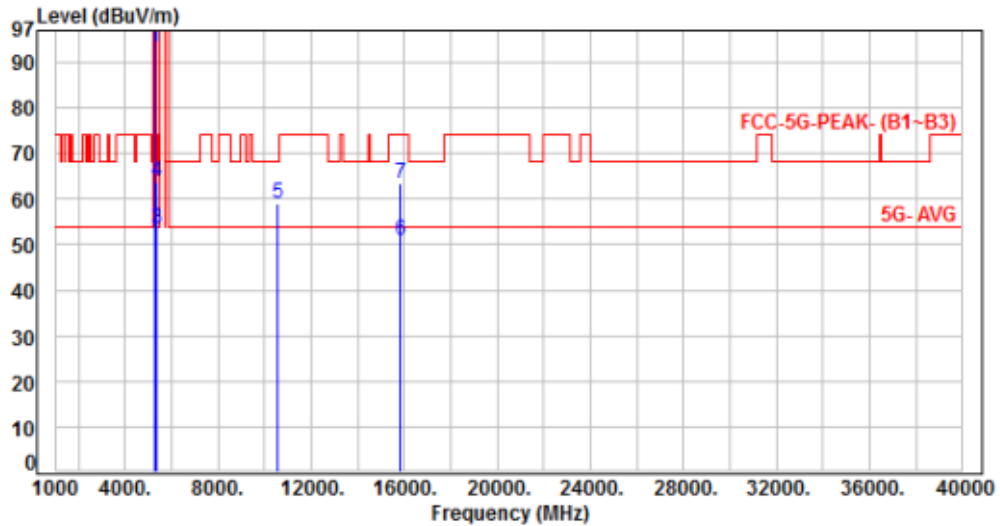


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	7.18	87.64	94.82	200.00	-105.18	Average	295	131	P
2	5310.00	7.18	98.71	105.89	200.00	-94.11	Peak	295	131	P
3	5350.00	7.22	44.21	51.43	54.00	-2.57	Average	295	131	P
4	5350.00	7.22	61.70	68.92	74.00	-5.08	Peak	295	131	P
5	10620.00	16.19	30.67	46.86	54.00	-7.14	Average	100	269	P
6	10620.00	16.19	43.17	59.36	74.00	-14.64	Peak	100	269	P
7	15930.00	18.76	30.98	49.74	54.00	-4.26	Average	100	223	P
8	15930.00	18.76	43.70	62.46	74.00	-11.54	Peak	100	223	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 9, Band 2, CH58		:	

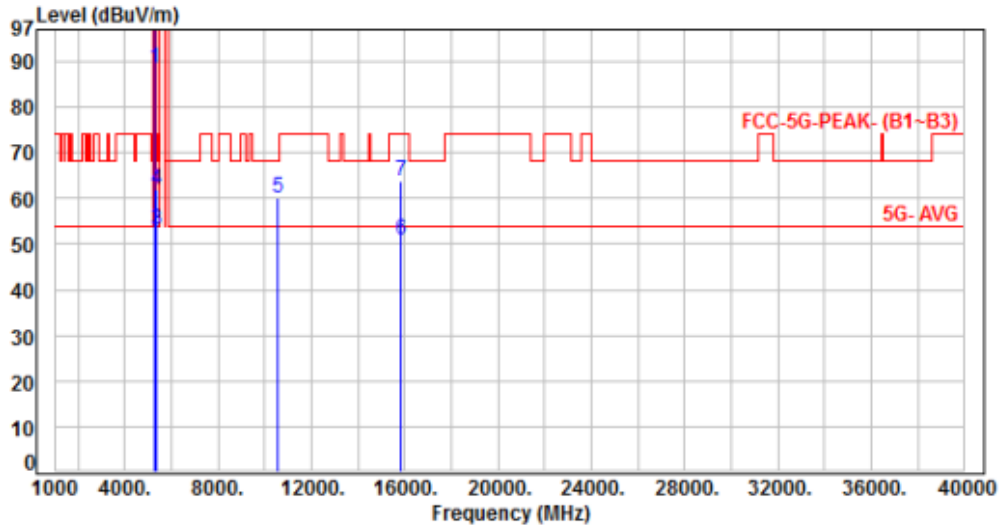


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	7.13	86.06	93.19	200.00	-106.81	Average	173	142	P
2	5290.00	7.13	96.68	103.81	200.00	-96.19	Peak	173	142	P
3	5350.00	7.22	46.41	53.63	54.00	-0.37	Average	173	142	P
4	5350.00	7.22	56.66	63.88	74.00	-10.12	Peak	173	142	P
5	10580.00	16.09	42.90	58.99	68.20	-9.21	Peak	100	226	P
6	15870.00	18.72	32.20	50.92	54.00	-3.08	Average	100	314	P
7	15870.00	18.72	44.66	63.38	74.00	-10.62	Peak	100	314	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 9, Band 2, CH58		:	

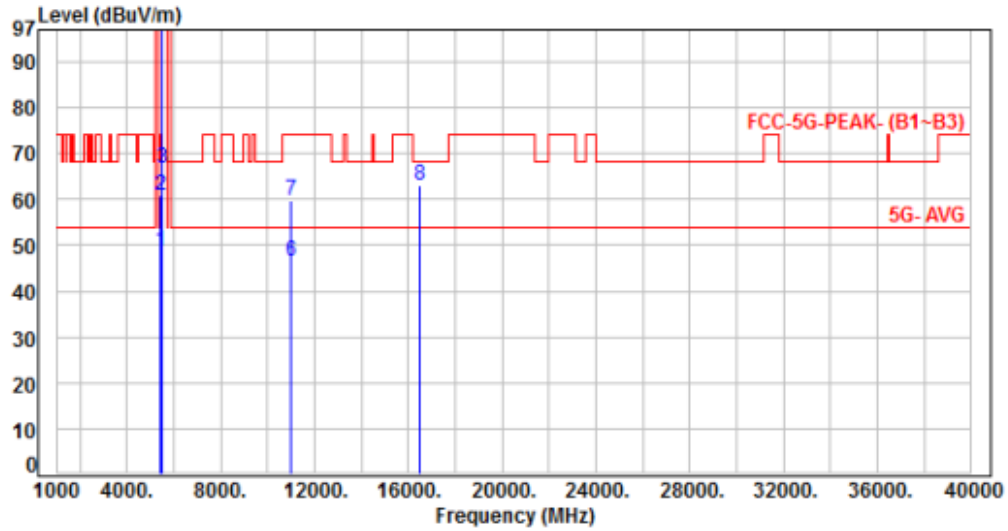


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	7.13	81.32	88.45	200.00	-111.55	Average	347	131	P
2	5290.00	7.13	93.82	100.95	200.00	-99.05	Peak	347	131	P
3	5350.00	7.22	46.01	53.23	54.00	-0.77	Average	347	131	P
4	5350.00	7.22	54.81	62.03	74.00	-11.97	Peak	347	131	P
5	10580.00	16.09	43.91	60.00	68.20	-8.20	Peak	100	324	P
6	15870.00	18.72	32.27	50.99	54.00	-3.01	Average	100	229	P
7	15870.00	18.72	44.93	63.65	74.00	-10.35	Peak	100	229	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH100		:	



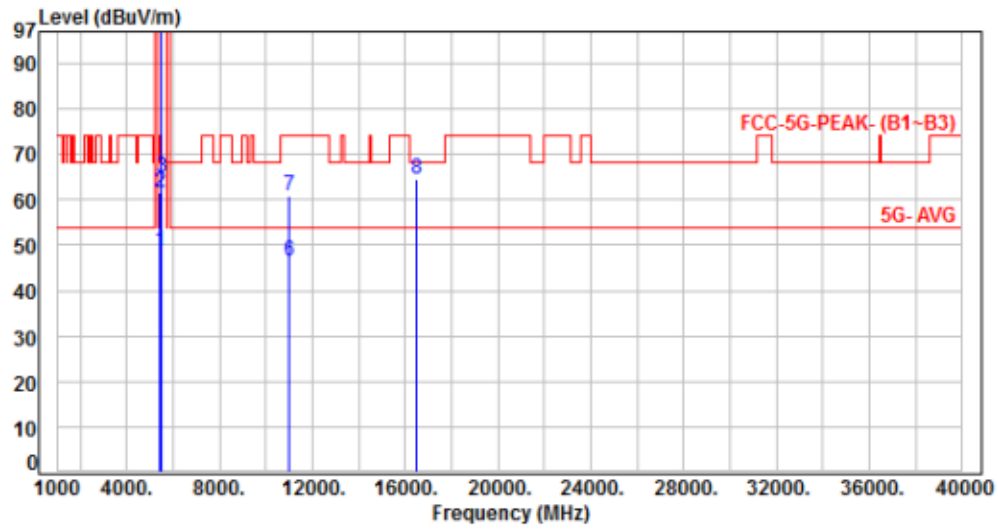
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.06	48.51	54.00	-5.49	Average	349	75	P
2	5460.00	7.45	53.53	60.98	74.00	-13.02	Peak	349	75	P
3	5470.00	7.46	59.22	66.68	68.20	-1.52	Peak	349	75	P
4	5500.00	7.49	96.81	104.30	200.00	-95.70	Average	349	75	P
5	5500.00	7.49	106.32	113.81	200.00	-86.19	Peak	349	75	P
6	11000.00	16.84	29.78	46.62	54.00	-7.38	Average	100	224	P
7	11000.00	16.84	42.76	59.60	74.00	-14.40	Peak	100	224	P
8	16500.00	19.88	43.20	63.08	68.20	-5.12	Peak	100	314	P

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





Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH100		:	

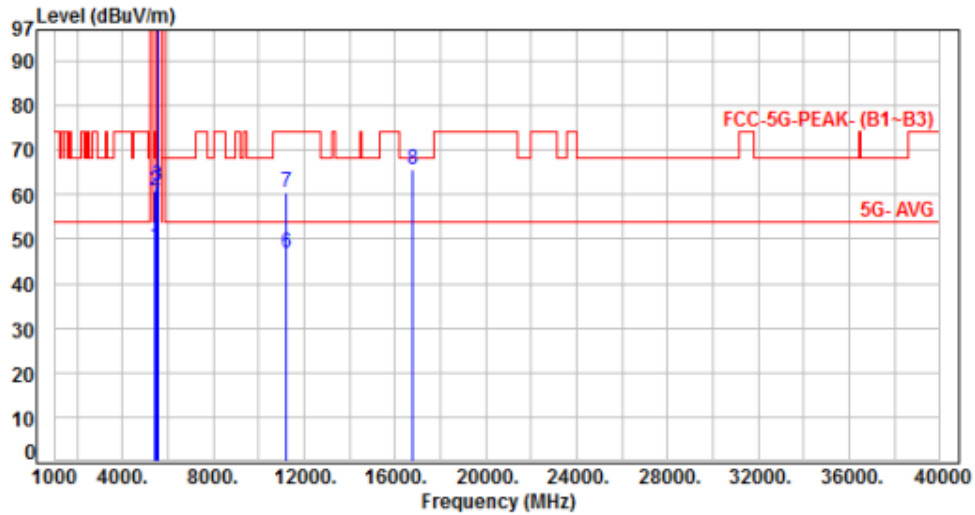


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.09	48.54	54.00	-5.46	Average	287	132	P
2	5460.00	7.45	54.28	61.73	74.00	-12.27	Peak	287	132	P
3	5470.00	7.46	57.57	65.03	68.20	-3.17	Peak	287	132	P
4	5500.00	7.49	93.91	101.40	200.00	-98.60	Average	287	132	P
5	5500.00	7.49	103.65	111.14	200.00	-88.86	Peak	287	132	P
6	11000.00	16.84	29.68	46.52	54.00	-7.48	Average	100	314	P
7	11000.00	16.84	43.94	60.78	74.00	-13.22	Peak	100	314	P
8	16500.00	19.88	44.52	64.40	68.20	-3.80	Peak	100	219	P

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



Power	: From System (AC240V /60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, Band 3, CH120		:

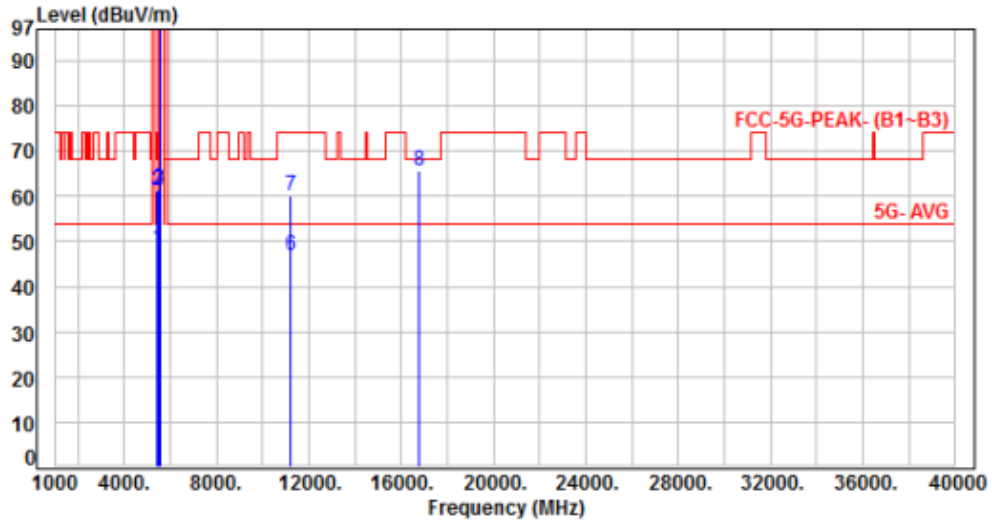


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.01	48.46	54.00	-5.54	Average	160	84	P
2	5460.00	7.45	53.55	61.00	74.00	-13.00	Peak	160	84	P
3	5470.00	7.46	54.52	61.98	68.20	-6.22	Peak	160	84	P
4	5600.00	7.43	102.02	109.45	200.00	-90.55	Average	160	84	P
5	5600.00	7.43	112.51	119.94	200.00	-80.06	Peak	160	84	P
6	11200.00	17.07	29.83	46.90	54.00	-7.10	Average	100	226	P
7	11200.00	17.07	43.25	60.32	74.00	-13.68	Peak	100	226	P
8	16800.00	21.73	43.86	65.59	68.20	-2.61	Peak	100	314	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH120		:	

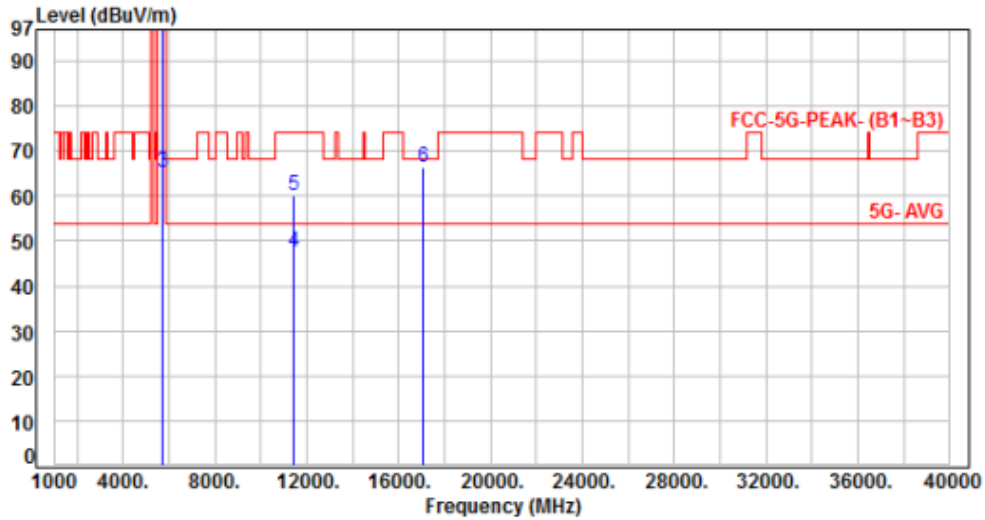


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	40.93	48.38	54.00	-5.62	Average	279	137	P
2	5460.00	7.45	53.73	61.18	74.00	-12.82	Peak	279	137	P
3	5470.00	7.46	54.29	61.75	68.20	-6.45	Peak	279	137	P
4	5600.00	7.43	99.10	106.53	200.00	-93.47	Average	279	137	P
5	5600.00	7.43	108.42	115.85	200.00	-84.15	Peak	279	137	P
6	11200.00	17.07	29.67	46.74	54.00	-7.26	Average	100	314	P
7	11200.00	17.07	42.96	60.03	74.00	-13.97	Peak	100	314	P
8	16800.00	21.73	44.00	65.73	68.20	-2.47	Peak	100	212	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, Band 3, CH140		:	

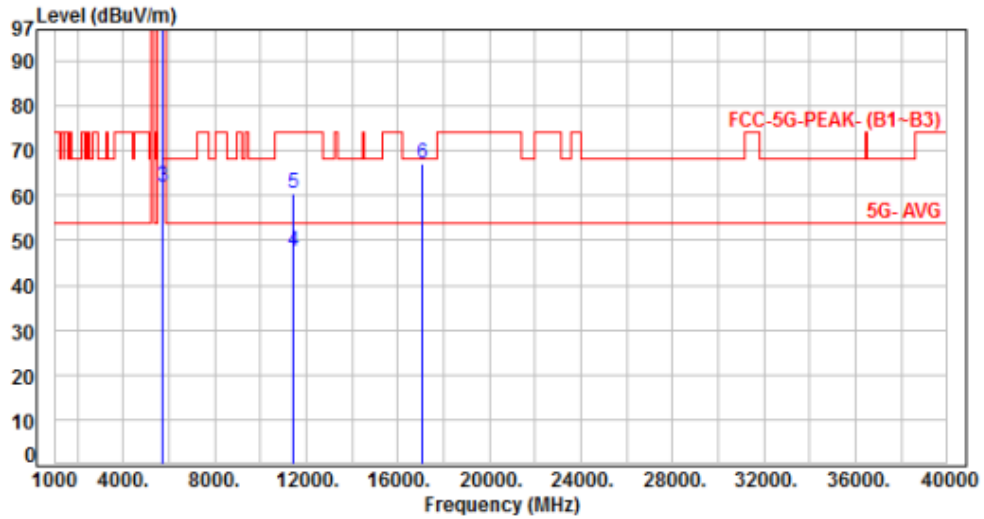


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	95.24	102.61	200.00	-97.39	Average	105	101	P
2	5700.00	7.37	105.26	112.63	200.00	-87.37	Peak	105	101	P
3	5725.00	7.33	58.10	65.43	68.20	-2.77	Peak	105	101	P
4	11400.00	17.31	30.17	47.48	54.00	-6.52	Average	100	252	P
5	11400.00	17.31	42.90	60.21	74.00	-13.79	Peak	100	252	P
6	17100.00	23.23	43.12	66.35	68.20	-1.85	Peak	100	346	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, Band 3, CH140		:	

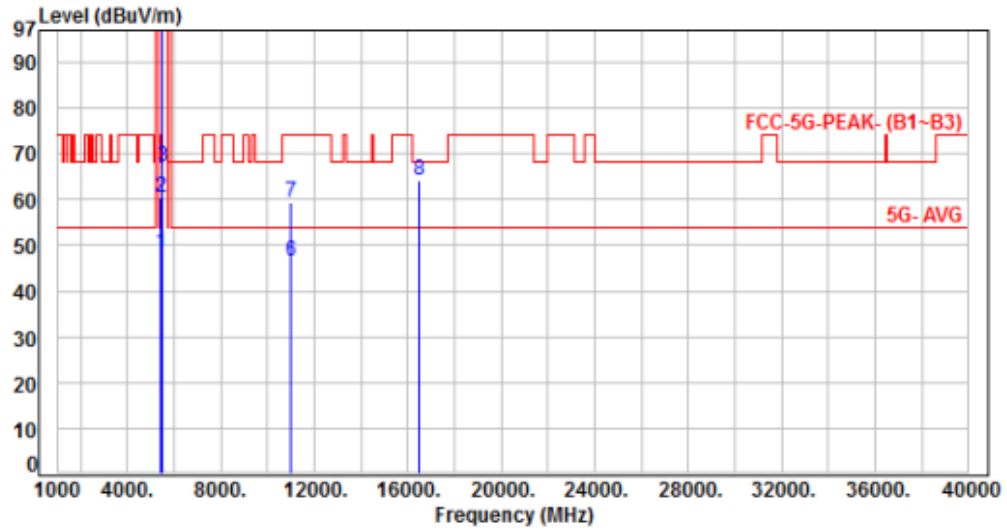


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	88.42	95.79	200.00	-104.21	Average	311	170	P
2	5700.00	7.37	98.69	106.06	200.00	-93.94	Peak	311	170	P
3	5725.00	7.33	54.74	62.07	68.20	-6.13	Peak	311	170	P
4	11400.00	17.31	30.12	47.43	54.00	-6.57	Average	100	307	P
5	11400.00	17.31	43.04	60.35	74.00	-13.65	Peak	100	307	P
6	17100.00	23.23	43.85	67.08	68.20	-1.12	Peak	100	226	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, Band 3, CH100		:	

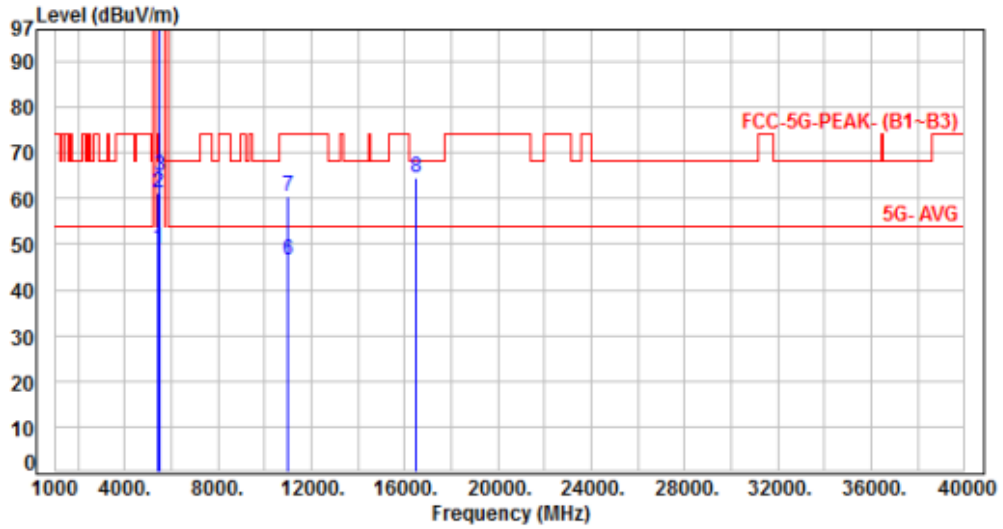


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	40.90	48.35	54.00	-5.65	Average	118	137	P
2	5460.00	7.45	53.07	60.52	74.00	-13.48	Peak	118	137	P
3	5470.00	7.46	59.51	66.97	68.20	-1.23	Peak	118	137	P
4	5500.00	7.49	94.62	102.11	200.00	-97.89	Average	118	137	P
5	5500.00	7.49	106.91	114.40	200.00	-85.60	Peak	118	137	P
6	11000.00	16.84	29.71	46.55	54.00	-7.45	Average	100	264	P
7	11000.00	16.84	42.64	59.48	74.00	-14.52	Peak	100	264	P
8	16500.00	19.88	44.44	64.32	68.20	-3.88	Peak	100	307	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, Band 3, CH100		:	

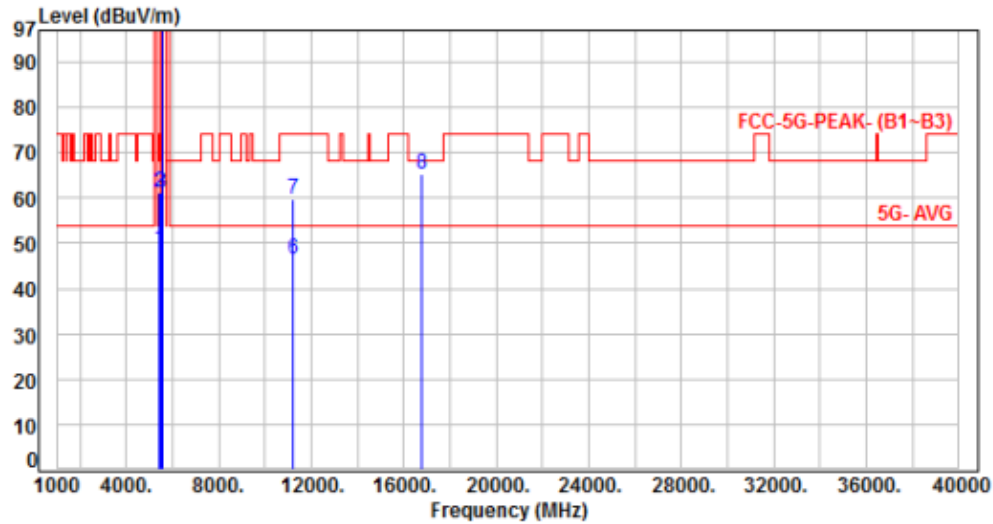


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.75	49.20	54.00	-4.80	Average	112	150	P
2	5460.00	7.45	53.74	61.19	74.00	-12.81	Peak	112	150	P
3	5470.00	7.46	57.33	64.79	68.20	-3.41	Peak	112	150	P
4	5500.00	7.49	90.39	97.88	200.00	-102.12	Average	112	150	P
5	5500.00	7.49	102.84	110.33	200.00	-89.67	Peak	112	150	P
6	11000.00	16.84	29.76	46.60	54.00	-7.40	Average	100	344	P
7	11000.00	16.84	43.82	60.66	74.00	-13.34	Peak	100	344	P
8	16500.00	19.88	44.64	64.52	68.20	-3.68	Peak	100	193	P

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



Power	: From System (AC240V /60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 3, CH120		:



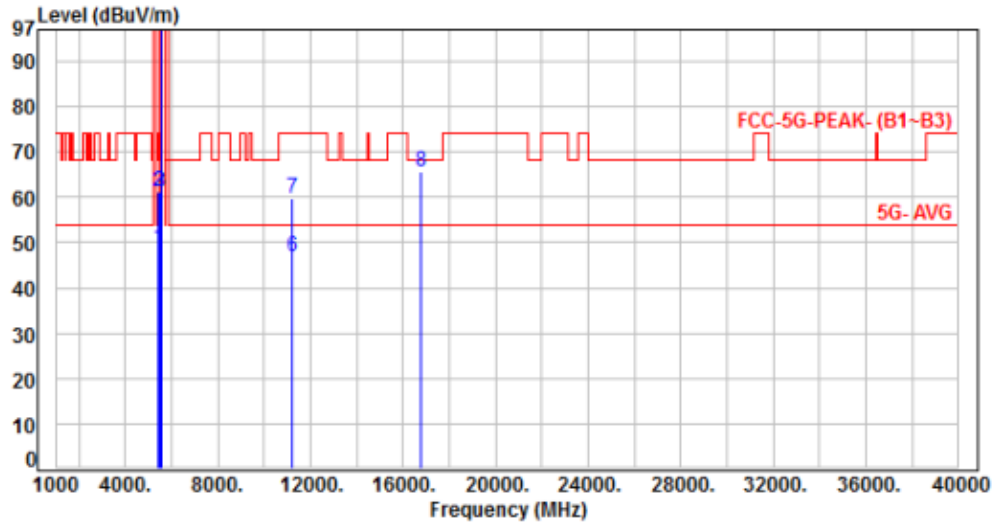
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.16	48.61	54.00	-5.39	Average	159	76	P
2	5460.00	7.45	53.81	61.26	74.00	-12.74	Peak	159	76	P
3	5470.00	7.46	53.89	61.35	68.20	-6.85	Peak	159	76	P
4	5600.00	7.43	102.17	109.60	200.00	-90.40	Average	159	76	P
5	5600.00	7.43	114.67	122.10	200.00	-77.90	Peak	159	76	P
6	11200.00	17.07	29.58	46.65	54.00	-7.35	Average	100	22	P
7	11200.00	17.07	42.79	59.86	74.00	-14.14	Peak	100	22	P
8	16800.00	21.73	43.52	65.25	68.20	-2.95	Peak	100	35	P

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





Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, Band 3, CH120		:	

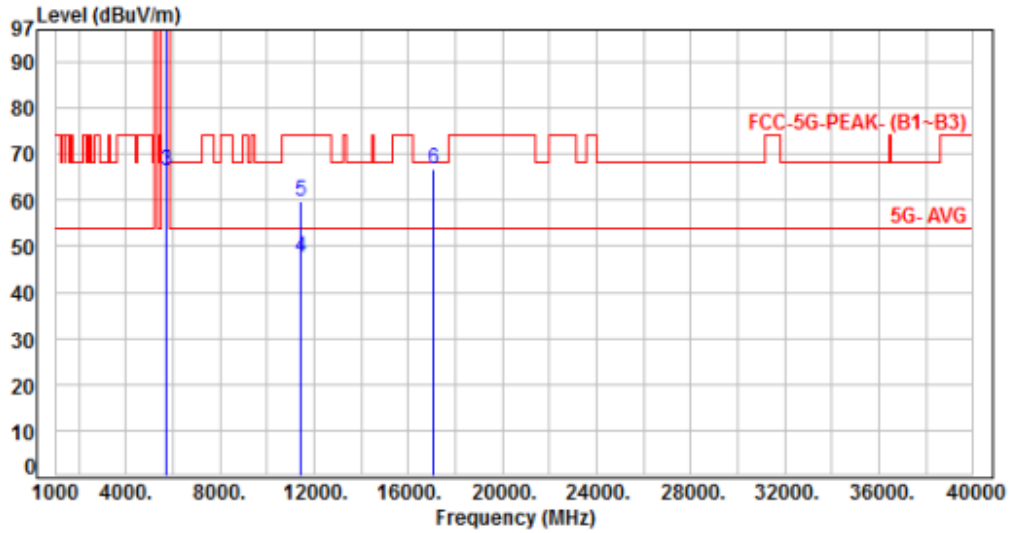


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.07	48.52	54.00	-5.48	Average	171	151	P
2	5460.00	7.45	53.75	61.20	74.00	-12.80	Peak	171	151	P
3	5470.00	7.46	53.77	61.23	68.20	-6.97	Peak	171	151	P
4	5600.00	7.43	95.93	103.36	200.00	-96.64	Average	171	151	P
5	5600.00	7.43	108.31	115.74	200.00	-84.26	Peak	171	151	P
6	11200.00	17.07	29.63	46.70	54.00	-7.30	Average	100	311	P
7	11200.00	17.07	42.65	59.72	74.00	-14.28	Peak	100	311	P
8	16800.00	21.73	43.77	65.50	68.20	-2.70	Peak	100	199	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, Band 3, CH140		:	

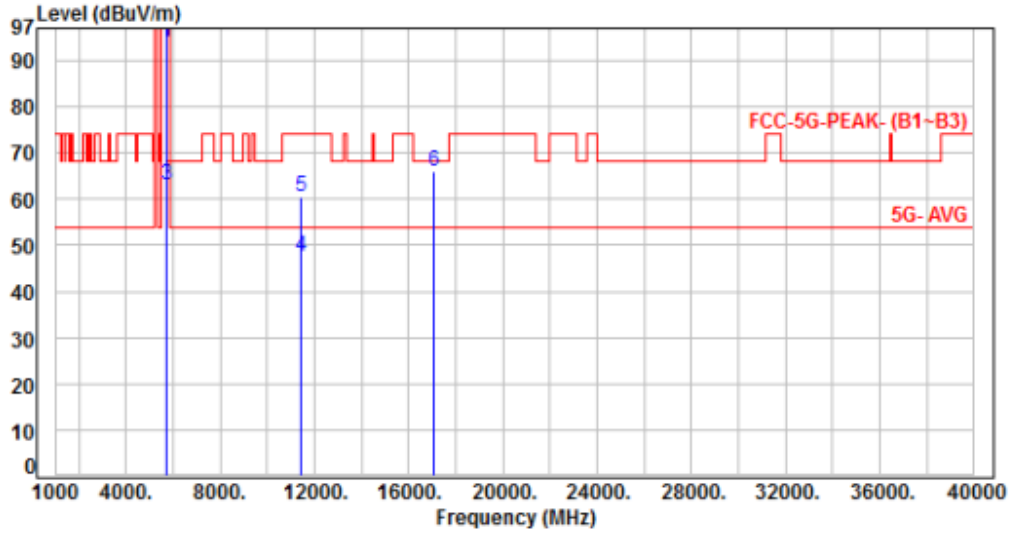


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	93.55	100.92	200.00	-99.08	Average	111	140	P
2	5700.00	7.37	105.43	112.80	200.00	-87.20	Peak	111	140	P
3	5725.00	7.33	59.10	66.43	68.20	-1.77	Peak	111	140	P
4	11400.00	17.31	30.15	47.46	54.00	-6.54	Average	100	223	P
5	11400.00	17.31	42.39	59.70	74.00	-14.30	Peak	100	223	P
6	17100.00	23.23	43.62	66.85	68.20	-1.35	Peak	100	319	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, Band 3, CH140		:	

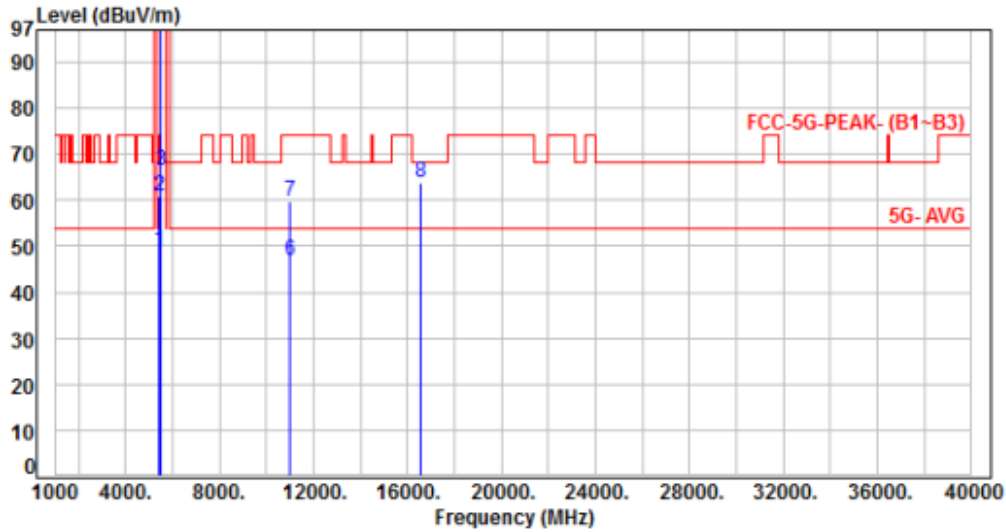


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	86.63	94.00	200.00	-106.00	Average	352	144	P
2	5700.00	7.37	98.68	106.05	200.00	-93.95	Peak	352	144	P
3	5725.00	7.33	55.64	62.97	68.20	-5.23	Peak	352	144	P
4	11400.00	17.31	30.20	47.51	54.00	-6.49	Average	100	169	P
5	11400.00	17.31	43.12	60.43	74.00	-13.57	Peak	100	169	P
6	17100.00	23.23	42.62	65.85	68.20	-2.35	Peak	100	318	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, Band 3, CH102		:	

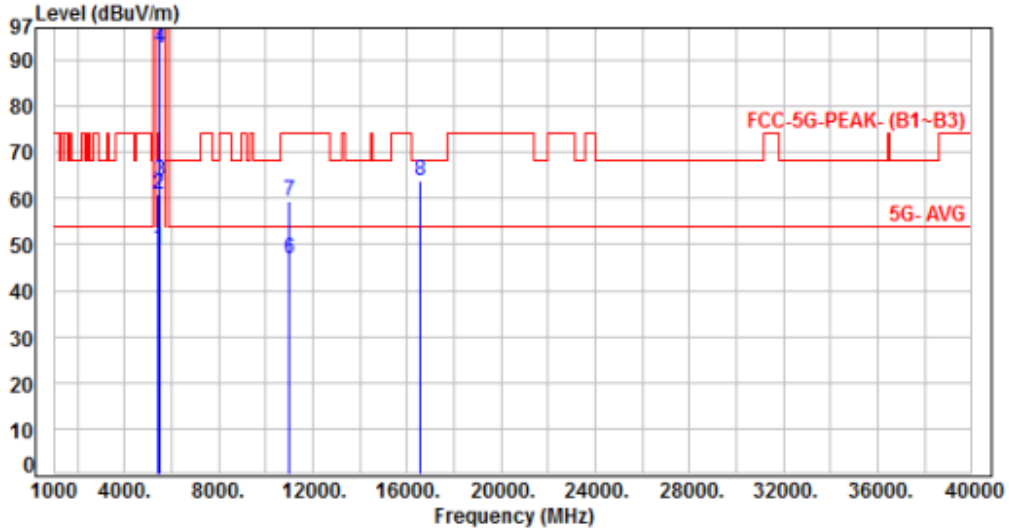


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.51	48.96	54.00	-5.04	Average	385	104	P
2	5460.00	7.45	53.24	60.69	74.00	-13.31	Peak	385	104	P
3	5470.00	7.46	59.08	66.54	68.20	-1.66	Peak	385	104	P
4	5510.00	7.47	89.75	97.22	200.00	-102.78	Average	385	104	P
5	5510.00	7.47	101.73	109.20	200.00	-90.80	Peak	385	104	P
6	11020.00	16.81	30.18	46.99	54.00	-7.01	Average	100	246	P
7	11020.00	16.81	42.87	59.68	74.00	-14.32	Peak	100	246	P
8	16530.00	20.00	43.85	63.85	68.20	-4.35	Peak	100	299	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, Band 3, CH102		:	

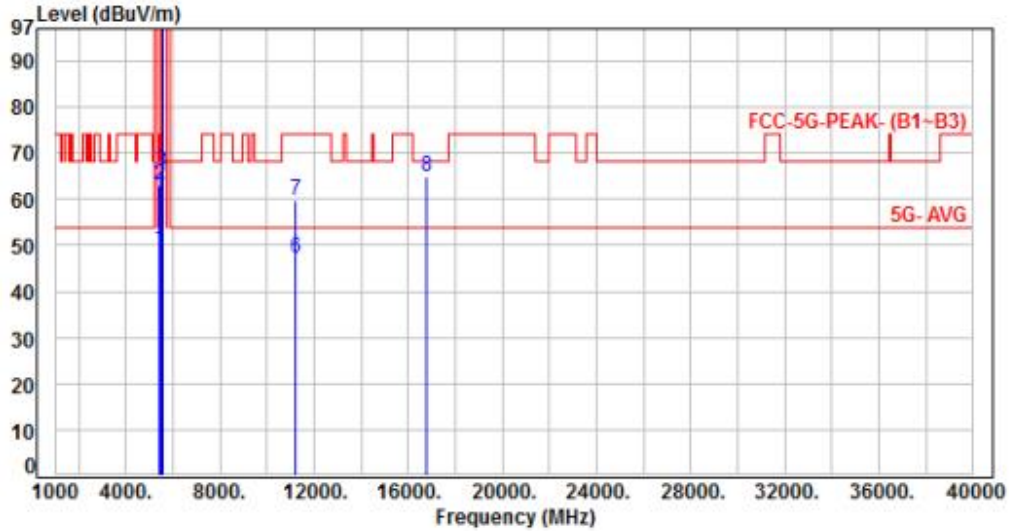


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.74	49.19	54.00	-4.81	Average	168	150	P
2	5460.00	7.45	53.50	60.95	74.00	-13.05	Peak	168	150	P
3	5470.00	7.46	56.37	63.83	68.20	-4.37	Peak	168	150	P
4	5510.00	7.47	85.00	92.47	200.00	-107.53	Average	168	150	P
5	5510.00	7.47	97.04	104.51	200.00	-95.49	Peak	168	150	P
6	11020.00	16.81	30.20	47.01	54.00	-6.99	Average	100	267	P
7	11020.00	16.81	42.75	59.56	74.00	-14.44	Peak	100	267	P
8	16530.00	20.00	43.85	63.85	68.20	-4.35	Peak	100	314	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, Band 3, CH118		:	

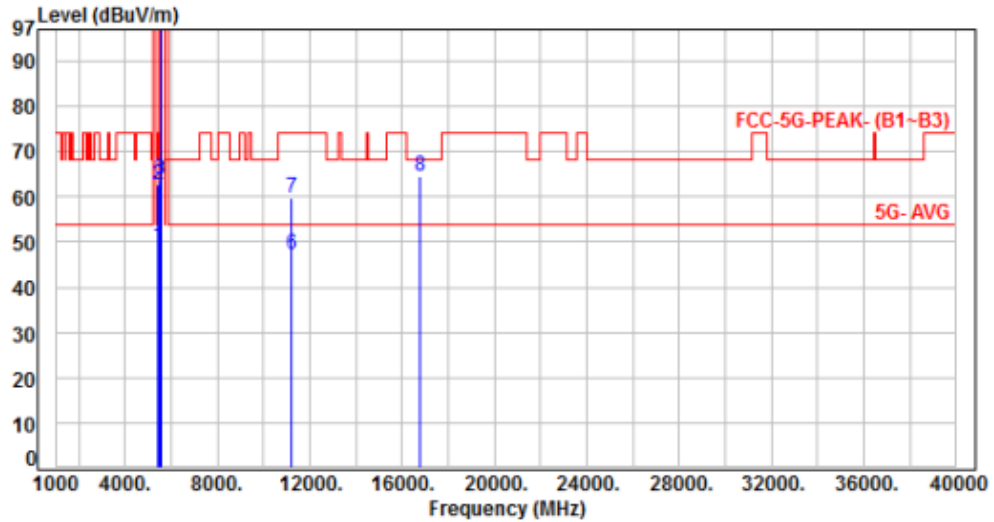


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.61	49.06	54.00	-4.94	Average	215	92	P
2	5460.00	7.45	55.45	62.90	74.00	-11.10	Peak	215	92	P
3	5470.00	7.46	58.70	66.16	68.20	-2.04	Peak	215	92	P
4	5590.00	7.43	95.39	102.82	200.00	-97.18	Average	215	92	P
5	5590.00	7.43	106.73	114.16	200.00	-85.84	Peak	215	92	P
6	11180.00	17.06	30.14	47.20	54.00	-6.80	Average	100	192	P
7	11180.00	17.06	42.69	59.75	74.00	-14.25	Peak	100	192	P
8	16770.00	21.68	43.40	65.08	68.20	-3.12	Peak	100	264	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, Band 3, CH118		:	

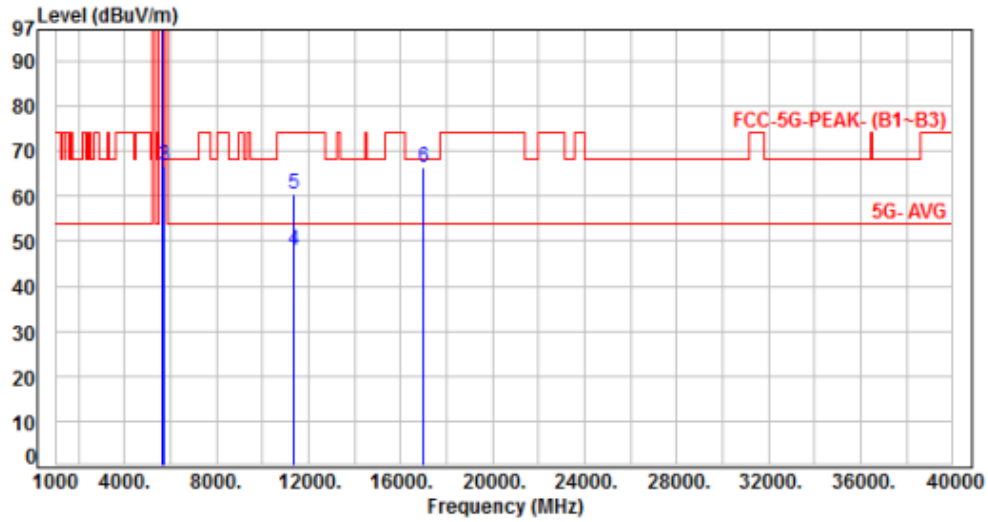


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	41.53	48.98	54.00	-5.02	Average	208	151	P
2	5460.00	7.45	55.39	62.84	74.00	-11.16	Peak	208	151	P
3	5470.00	7.46	56.35	63.81	68.20	-4.39	Peak	208	151	P
4	5590.00	7.43	90.90	98.33	200.00	-101.67	Average	208	151	P
5	5590.00	7.43	101.42	108.85	200.00	-91.15	Peak	208	151	P
6	11180.00	17.06	30.12	47.18	54.00	-6.82	Average	100	193	P
7	11180.00	17.06	42.84	59.90	74.00	-14.10	Peak	100	193	P
8	16770.00	21.68	42.97	64.65	68.20	-3.55	Peak	100	313	P

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



Power	: From System (AC240V /60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 8, Band 3, CH134		:



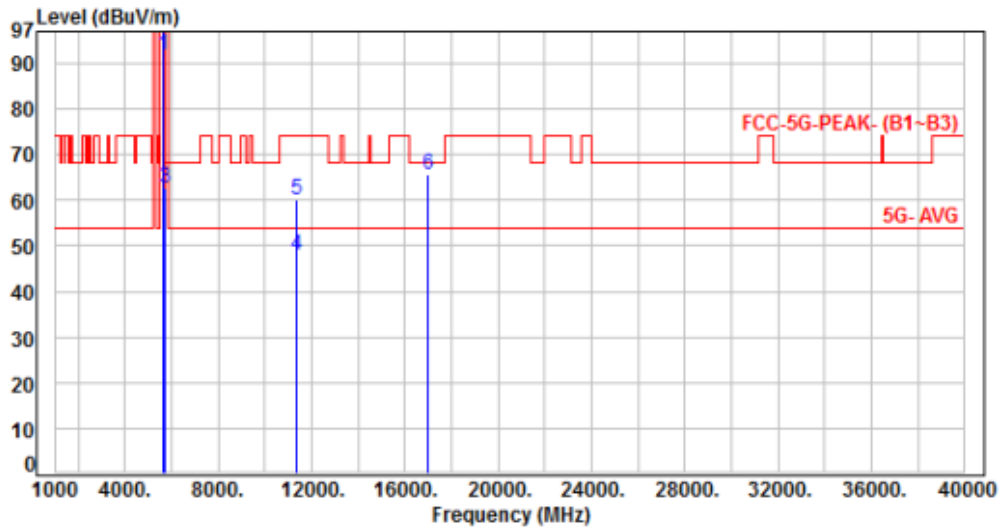
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5670.00	7.36	90.72	98.08	200.00	-101.92	Average	116	138	P
2	5670.00	7.36	102.20	109.56	200.00	-90.44	Peak	116	138	P
3	5725.00	7.33	59.49	66.82	68.20	-1.38	Peak	116	138	P
4	11340.00	17.17	30.88	48.05	54.00	-5.95	Average	100	229	P
5	11340.00	17.17	43.37	60.54	74.00	-13.46	Peak	100	229	P
6	17010.00	23.12	43.32	66.44	68.20	-1.76	Peak	100	308	P

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





Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, Band 3, CH134		:	

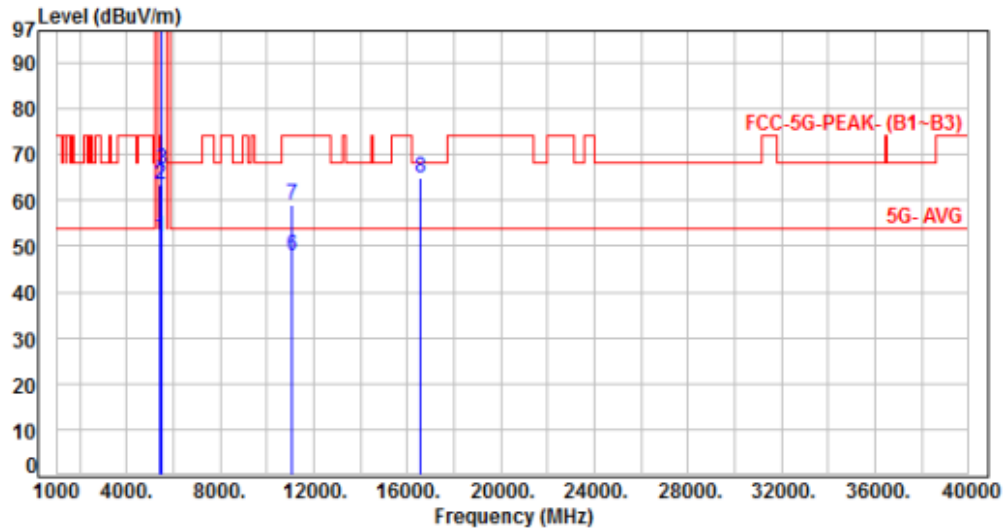


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5670.00	7.36	84.51	91.87	200.00	-108.13	Average	160	151	P
2	5670.00	7.36	95.80	103.16	200.00	-96.84	Peak	160	151	P
3	5725.00	7.33	55.33	62.66	68.20	-5.54	Peak	160	151	P
4	11340.00	17.17	30.60	47.77	54.00	-6.23	Average	100	199	P
5	11340.00	17.17	43.09	60.26	74.00	-13.74	Peak	100	199	P
6	17010.00	23.12	42.61	65.73	68.20	-2.47	Peak	100	226	P

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



Power	: From System (AC240V /60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 9, Band 3, CH106		:

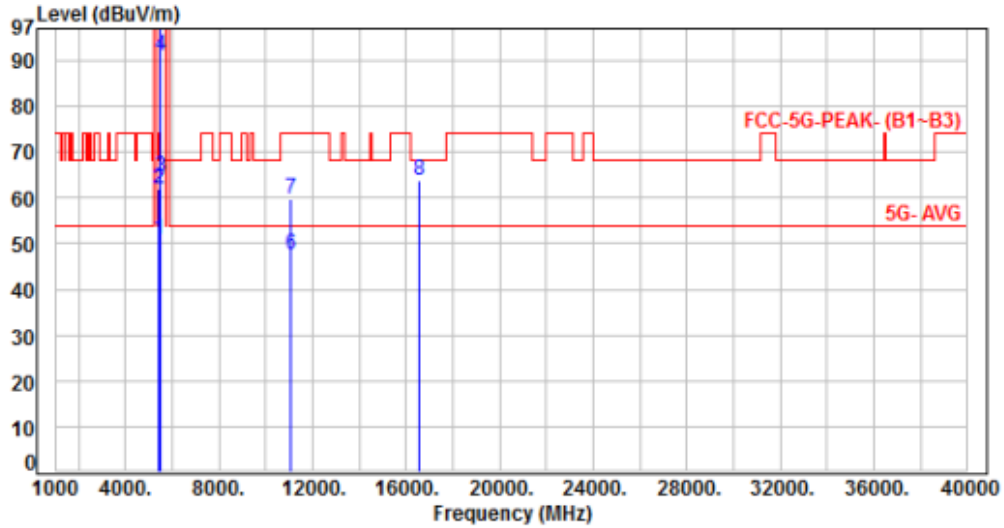


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	44.63	52.08	54.00	-1.92	Average	165	100	P
2	5460.00	7.45	56.11	63.56	74.00	-10.44	Peak	165	100	P
3	5470.00	7.46	59.20	66.66	68.20	-1.54	Peak	165	100	P
4	5530.00	7.44	88.51	95.95	200.00	-104.05	Average	165	100	P
5	5530.00	7.44	100.14	107.58	200.00	-92.42	Peak	165	100	P
6	11060.00	16.82	31.23	48.05	54.00	-5.95	Average	100	293	P
7	11060.00	16.82	42.12	58.94	74.00	-15.06	Peak	100	293	P
8	16590.00	20.46	44.60	65.06	68.20	-3.14	Peak	100	163	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 9, Band 3, CH106		:	

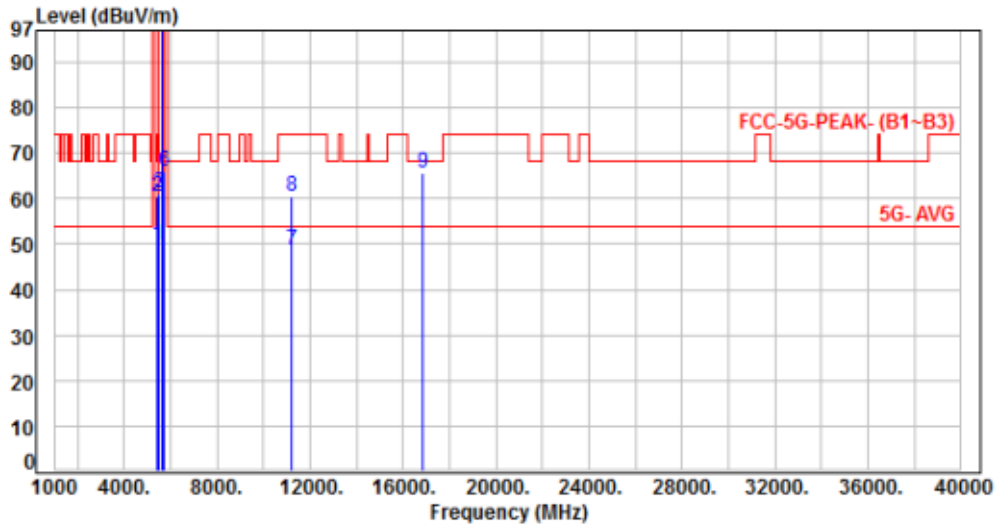


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	43.63	51.08	54.00	-2.92	Average	167	151	P
2	5460.00	7.45	54.37	61.82	74.00	-12.18	Peak	167	151	P
3	5470.00	7.46	56.94	64.40	68.20	-3.80	Peak	167	151	P
4	5530.00	7.44	83.49	90.93	200.00	-109.07	Average	167	151	P
5	5530.00	7.44	94.23	101.67	200.00	-98.33	Peak	167	151	P
6	11060.00	16.82	30.69	47.51	54.00	-6.49	Average	100	357	P
7	11060.00	16.82	43.07	59.89	74.00	-14.11	Peak	100	357	P
8	16590.00	20.46	43.44	63.90	68.20	-4.30	Peak	100	231	P

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



Power	:	From System (AC240V /60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 9, Band 3, CH122		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.41	49.86	54.00	-4.14	Average	377	142	P
2	5460.00	7.45	52.94	60.39	74.00	-13.61	Peak	377	142	P
3	5470.00	7.46	53.92	61.38	68.20	-6.82	Peak	377	142	P
4	5670.00	7.36	88.71	96.07	200.00	-103.93	Average	377	142	P
5	5670.00	7.36	98.84	106.20	200.00	-93.80	Peak	377	142	P
6	5725.00	7.33	58.82	66.15	68.20	-2.05	Peak	377	142	P
7	11220.00	17.09	31.61	48.70	54.00	-5.30	Average	100	311	P
8	11220.00	17.09	43.24	60.33	74.00	-13.67	Peak	100	311	P
9	16830.00	21.79	43.94	65.73	68.20	-2.47	Peak	100	237	P

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