



FCC RADIO TEST REPORT

Applicant : DrayTek Corp.

Address : No.26 Fu Shing Rd., HuKou County,Hsin-Chu
Industrial Park,Hsin-Chu,Taiwan 303 R.O.C

Equipment : 802.11ax Ceiling-mount AP

Model No. : VigorAP 1062C

Trade Name : DrayTek

FCC ID : VGYAP1062C

I HEREBY CERTIFY THAT :

The sample was received on Aug. 31, 2022 and the testing was completed on Dec. 13, 2022 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 Standards5
- 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.....8
 - 2.4. Description of Test System..... 10
 - 2.5. General Information of Test..... 12
 - 2.6. Measurement Uncertainty 13
- 3. Test Equipment and Ancillaries Used for Tests 14
- 4. Antenna Requirements 17
 - 4.1. Standard Applicable 17
 - 4.2. Antenna Construction and Directional Gain..... 17
- 5. Test of AC Power Line Conducted Emission 17
 - 5.1. Test Limit 18
 - 5.2. Test Procedures 18
 - 5.3. Typical Test Setup 19
 - 5.4. Test Result and Data.....20
 - 5.5. Test Photographs 24
- 6. Test of Spurious Emission (Radiated)..... 26
 - 6.1. Test Limit 26
 - 6.2. Test Procedures 27
 - 6.3. Typical Test Setup 28
 - 6.4. Test Result and Data (9kHz ~ 30MHz)..... 29
 - 6.5. Test Result and Data (30MHz ~ 1GHz) 29
 - 6.6. Test Result and Data (1GHz ~ 40GHz)..... 33
 - 6.7. Restricted Bands of Operation 93
 - 6.8. Test Photographs (30MHz ~ 1GHz) 94
 - 6.9. Test Photographs (1GHz ~ 40GHz) 96
- 7. On Time, Duty Cycle and Measurement methods 100
 - 7.1. Test Limit 100
 - 7.2. Test Procedure 100
 - 7.3. Test Setup Layout 100
 - 7.4. Test Result and Data..... 101
 - 7.5. Measurement Methods 101
- 8. 6dB Bandwidth & 99% Occupied Bandwidth 104
 - 8.1. Test Limit 104
 - 8.2. Test Procedure 104
 - 8.3. Test Setup Layout 104
 - 8.4. Test Result and Data..... 105
- 9. 26dB Bandwidth & 99% Occupied Bandwidth 139
 - 9.1. Test Limit 139



- 9.2. Test Procedure 139
- 9.3. Test Setup Layout 139
- 9.4. Test Result and Data 140
- 10. Average Power 174
 - 10.1. Test Limit 174
 - 10.2. Test Procedure 175
 - 10.3. Test Setup Layout 175
 - 10.4. Test Result and Data 176
- 11. Power Spectral Density 178
 - 11.1. Test Limit 178
 - 11.2. Test Procedure 178
 - 11.3. Test Setup Layout 178
 - 11.4. Test Result and Data 179
- 12. Radio Frequency Exposure 213
 - 12.1. Applicable Standards 213
 - 12.2. EUT Specification 214
 - 12.3. Test Results 215



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.



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Operation Frequency Range	802.11b/g/n(TurboQAM)/ax: 2400-2483.5MHz 802.11a/n/ac/ax: 5150-5250MHz, 5725-5850MHz
Center Frequency Range	802.11b/g/n(TurboQAM)/ax: 2412MHz-2462MHz 802.11a/n/ac/ax: 5180-5240MHz,5745-5825MHz
Modulation Type	WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 256QAM(TurboQAM) 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Modulation Technology	DSSS, OFDM, OFDMA
Data Rate	WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 MCS0 – MCS9, VHT20/40(TurboQAM) 802.11ax: MCS0 – MCS11,HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80 802.11ax: MCS0 – MCS11,HE20/40/80
Antenna Type	PCB Antenna
Antenna Gain	For WLAN: 2400-2483.5MHz: ANT A: 6.03 dBi, ANT B: 3.31 dBi ANT C: 2.37 dBi, ANT D: 1.88 dBi 5150-5250MHz: ANT A: 2.48 dBi, ANT B: 3.52 dBi ANT C: 2.01 dBi, ANT D: 1.63 dBi 5725-5850MHz: ANT A: 4.40 dBi, ANT B: 1.55 dBi ANT C: 0.89 dBi, ANT D: 1.33 dBi
RJ45	Brand: Nienyi Model: 4105-00000151-01Z
Adapter	Brand: AMIGO Model: AMS200-1202000FU

Note:

1. WLAN 2.4G 802.11n support TurboQAM.
2. EUT support TPC Function.
3. WLAN 2.4GHz 802.11ax and WLAN 5GHz 802.11ax support beamforming Function.
4. EUT support Master/Bridge/Repeater/Mesh Function.
5. For more details, please refer to the User's manual of the EUT.



2.2. Carrier Frequency of Channels

Band: 5150MHz-5250MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80 , 802.11ax HE80

Channel	Frequency(MHz)
*42	5210

Band: 5725MHz-5850MHz

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

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

802.11n HT40, 802.11ac VHT40, 802.11ax HE40

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

802.11ac VHT80, 802.11ax HE80

Channel	Frequency(MHz)
*155	5775

Note: Channels remarked * are selected to perform test.



2.3. Test Mode and Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- b. The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
- c. An executive program, " QATool ver. 0.0.2.88" under Windows OS system was executed to transmit and receive data via WLAN.(Non BeamForming)
- d. An executive program, " PuTTY suite ver. Release 0.74" 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), Non BeamForming
2	802.11n HT20 (6.5Mbps), Non BeamForming
3	802.11n HT40 (13.5Mbps), Non BeamForming
4	802.11ac VHT20 (6.5Mbps), Non BeamForming
5	802.11ac VHT40 (13.5Mbps), Non BeamForming
6	802.11ac VHT80 (29.3Mbps), Non BeamForming
7	802.11ax HE20 (7.3Mbps), Non BeamForming
8	802.11ax HE40 (14.6Mbps), Non BeamForming
9	802.11ax HE80 (30.6Mbps), Non BeamForming
10	802.11ax HE20 (7.3Mbps), BeamForming
11	802.11ax HE40 (14.6Mbps), BeamForming
12	802.11ax HE80 (30.6Mbps), BeamForming
caused "Test Mode 8,12" generated the worst case, it was reported as the final data.	
Radiation Emissions (30MHz ~ 1GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps), Non BeamForming
2	802.11n HT20 (6.5Mbps), Non BeamForming
3	802.11n HT40 (13.5Mbps), Non BeamForming
4	802.11ac VHT20 (6.5Mbps), Non BeamForming
5	802.11ac VHT40 (13.5Mbps), Non BeamForming
6	802.11ac VHT80 (29.3Mbps), Non BeamForming
7	802.11ax HE20 (7.3Mbps), Non BeamForming
8	802.11ax HE40 (14.6Mbps), Non BeamForming
9	802.11ax HE80 (30.6Mbps), Non BeamForming
10	802.11ax HE20 (7.3Mbps), BeamForming
11	802.11ax HE40 (14.6Mbps), BeamForming
12	802.11ax HE80 (30.6Mbps), BeamForming
caused "Test Mode 8,12" generated the worst case, it was reported as the final data.	



Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps), Non BeamForming
2	802.11ax HE20 (7.3Mbps), Non BeamForming
3	802.11ax HE40 (14.6Mbps), Non BeamForming
4	802.11ax HE80 (30.6Mbps), Non BeamForming
5	802.11ax HE20 (7.3Mbps), BeamForming
6	802.11ax HE40 (14.6Mbps), BeamForming
7	802.11ax HE80 (30.6Mbps), 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 ~ 25GHz), AC 120V / 60Hz was worst case.
 2. Adapter and PoE were used for the test, Power from Adapter was worst case.

The EUT incorporates a MIMO function

Modulation Type	TX CONFIGURATION
802.11a	4TX
802.11n HT20	4TX
802.11n HT40	4TX
802.11ac VHT20	4TX
802.11ac VHT40	4TX
802.11ac VHT80	4TX
802.11ax HE20	4TX
802.11ax HE40	4TX
802.11ax HE80	4TX



2.4. Description of Test System

Non BeamForming

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	Lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
POE	Edimax	PE-1000IPF	N/A	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	N/A	N/A	15m / NS	N/A
POE	Edimax	PE-1000IPF	N/A	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
POE	Edimax	PE-1000IPF	N/A	N/A



BeamForming

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	DELL	Latitude E5470	N/A	Adapter / 1.8m / NS
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
POE	Edimax	PE-1000IPF	N/A	N/A
802.11ax Ceiling-mount AP	DrayTek	VigorAP 1062C	N/A	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	N/A	N/A	15m / NS	N/A
Notebook	DELL	Latitude E5470	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
POE	Edimax	PE-1000IPF	N/A	N/A
802.11ax Ceiling-mount AP	DrayTek	VigorAP 1062C	N/A	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Notebook	DELL	Latitude E5470	N/A	Adapter / 1.8m / NS
POE	Edimax	PE-1000IPF	N/A	N/A

**2.5. General Information of Test**

Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication test C-4663 for Conducted emission test R-4218 for Radiated emission test G-10812, G-10813 for radiated disturbance above 1GHz
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 40,000MHz	
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.	

Non BeamForming

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2022/09/14	24.4°C / 53%	Leon Huang
		2022/12/13	24.2°C / 56%	Leon Huang
Radiated Emissions	3M02-NK	2022/09/06~2022/09/16	21~27°C / 33~39%	Leon Huang
AC Power Line Conducted Emission	CON01-NK	2022/09/12	25°C / 52%	Leon Huang

BeamForming

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2022/12/07~2022/12/08	25.3~25.4°C / 49~52%	Dian Chen
Radiated Emissions	3M02-NK	2022/10/06~2022/10/07	25~26°C / 33~34%	Leon Huang
AC Power Line Conducted Emission	CON01-NK	2022/09/14	24°C / 49%	Leon Huang



2.6. Measurement Uncertainty

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

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.28dB
Radiated Spurious Emission(9KHz~30MHz)	±3.4dB
Radiated Spurious Emission(30MHz~1GHz)	±5.7dB
Radiated Spurious Emission(1GHz~40GHz)	±6.8dB
6dB Bandwidth	±4.4%
26dB Bandwidth	±4.4%
Occupied Bandwidth	±4.4%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±1.8dB
Duty Cycle	±1.2%
Frequency Stability	±0.21KHz



3. Test Equipment and Ancillaries Used for Tests

Non BeamForming

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	275	2021/11/05	2022/11/04
Active Loop Antenna	EMCO	6507	40855	2022/05/25	2023/05/24
Horn Antenna	EMCO	3115	31589	2022/04/26	2023/04/25
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	2021/11/16	2022/11/15
Preamplifier	EM Electronics corp.	EM330	60660	2022/04/08	2023/04/07
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2022/09/06	2023/09/05
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2022/03/21	2023/03/20
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2022/4/9	2023/4/8
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2022/4/9	2023/4/8
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50314	2022/4/9	2023/4/8
Cable-3m(1G-40G)	Rapidtek	40GHZ 300CM	38MS-38MS300314	2022/4/9	2023/4/8
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2022/01/11	2023/01/10
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2022/01/11	2023/01/10
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2022/04/25	2023/04/24
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted(2022/09/13~2022/09/14)				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2022/01/10	2023/01/09
Attenuator	KEYSIGHT	8491B	MY39250703	2022/04/12	2023/04/11
Cable-0.5m(1G-26.5G)	HUBER SUHNER	SUCOFLEX 102	28422/2	2022/04/09	2023/04/08
Power Meter	Anritsu	ML2495A	1224005	2022/04/12	2023/04/11
Power Sensor	Anritsu	MA2411B	1207295	2022/04/12	2023/04/11
Switch Box	Theda	1-4	TW5451159	NA	NA



Test Item	RF Conducted(2022/12/13)				
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
Attenuator	KEYSIGHT	8491B	MY39250703	2022/04/12	2023/04/11
Cable-0.5m(1G-26.5G)	HUBER SUHNER	SUCOFLEX 102	28422/2	2022/04/09	2023/04/08
Power Meter	Anritsu	ML2495A	1224005	2022/04/12	2023/04/11
Power Sensor	Anritsu	MA2411B	1207295	2022/04/12	2023/04/11
Switch Box	Theda	1-4	TW5451159	NA	NA

Test Item	AC Power Line Conducted Emission				
Test Site	CON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	100821	2021/11/15	2022/11/14
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-516	2021/10/05	2022/10/04
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101934	2022/03/21	2023/03/20
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2022/03/21	2023/03/20
E3	AUDIX	v8.2014-8-6	RK-000531	NA	NA



BeamForming

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	275	2021/11/05	2022/11/04
Active Loop Antenna	EMCO	6507	40855	2022/05/25	2023/05/24
Horn Antenna	EMCO	3115	31589	2022/04/26	2023/04/25
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	2021/11/16	2022/11/15
Preamplifier	EM Electronics corp.	EM330	60660	2022/04/08	2023/04/07
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2022/09/06	2023/09/05
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2022/03/21	2023/03/20
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2022/4/9	2023/4/8
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2022/4/9	2023/4/8
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50314	2022/4/9	2023/4/8
Cable-3m(1G-40G)	Rapidtek	40GHZ 300CM	38MS-38MS300314	2022/4/9	2023/4/8
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2022/01/11	2023/01/10
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2022/01/11	2023/01/10
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2022/04/25	2023/04/24
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2022/01/10	2023/01/09
Power Meter	Anritsu	ML2495A	1224005	2022/04/12	2023/04/11
Power Sensor	Anritsu	MA2411B	1207295	2022/04/12	2023/04/11
Attenuator	KEYSIGHT	8491B	MY39250703	2022/04/12	2023/04/11

Test Item	AC Power Line Conducted Emission				
Test Site	CON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	100821	2021/11/15	2022/11/14
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-516	2021/10/05	2022/10/04
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101934	2022/03/21	2023/03/20
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2022/03/21	2023/03/20
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 A: 2.48 dBi, ANT B: 3.52 dBi ANT C: 2.01 dBi, ANT D: 1.63 dBi 5725-5850MHz: ANT A: 4.40 dBi, ANT B: 1.55 dBi ANT C: 0.89 dBi, ANT D: 1.33 dBi

(Non-Beamforming)

5150-5200MHz
For Power directional gain= 3.52 dBi For PSD directional gain= 5.01 (dBi)
5725-5850MHz
For Power directional gain= 4.40 dBi For PSD directional gain = 6.49 (dBi)

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

(Beamforming)

5150-5200MHz
For Power directional gain= 5.01 dBi For PSD directional gain = 5.01 (dBi)
5725-5850MHz
For Power directional gain= 6.49 dBi For PSD directional gain = 6.49 (dBi)

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



5. Test of AC Power Line Conducted Emission

5.1. Test Limit

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

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

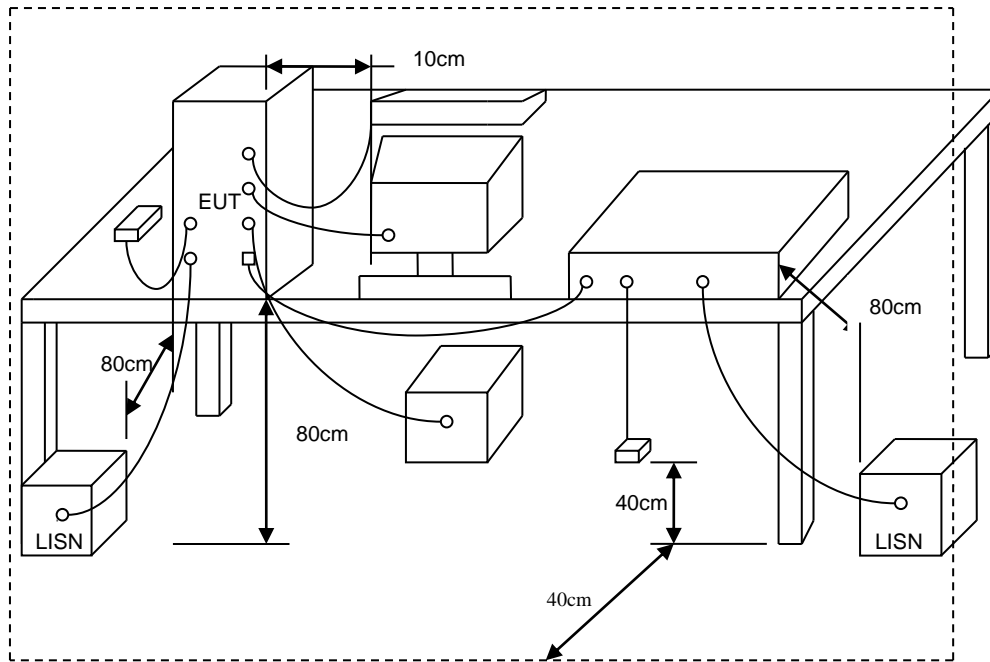
*Decreases with the logarithm of the frequency.

5.2. Test Procedures

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



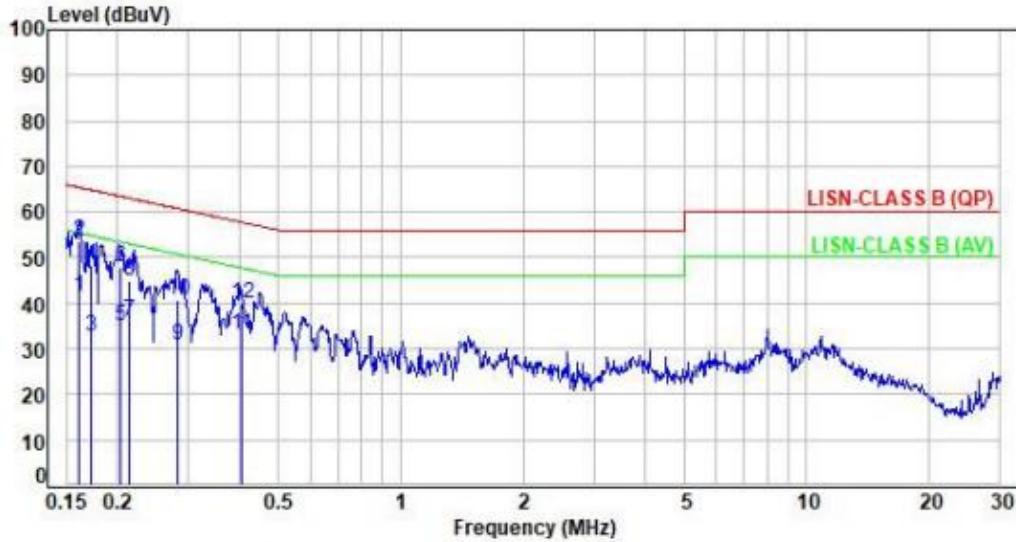
5.3. Typical Test Setup





5.4. Test Result and Data

Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: LINE
Test Mode	: Mode 8, CH159		:

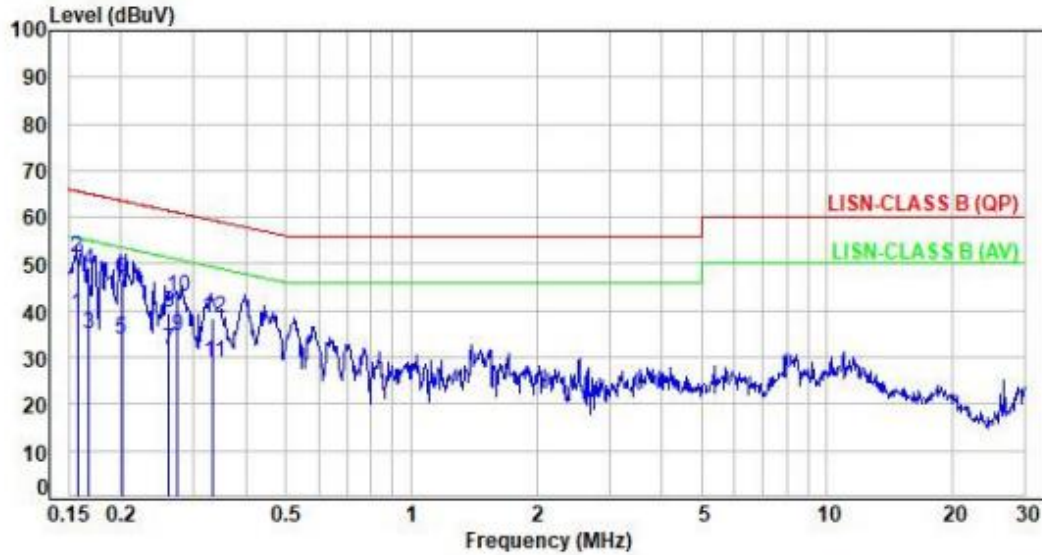


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.92	31.41	41.33	55.44	-14.11	Average	P
2	0.16	9.92	43.88	53.80	65.44	-11.64	QP	P
3	0.17	9.92	22.90	32.82	54.82	-22.00	Average	P
4	0.17	9.92	38.20	48.12	64.82	-16.70	QP	P
5	0.20	9.91	25.01	34.92	53.47	-18.55	Average	P
6	0.20	9.91	38.00	47.91	63.47	-15.56	QP	P
7	0.21	9.91	26.21	36.12	53.06	-16.94	Average	P
8	0.21	9.91	34.80	44.71	63.06	-18.35	QP	P
9	0.28	9.90	20.77	30.67	50.75	-20.08	Average	P
10	0.28	9.90	30.93	40.83	60.75	-19.92	QP	P
11	0.40	9.90	23.09	32.99	47.77	-14.78	Average	P
12	0.40	9.90	29.98	39.88	57.77	-17.89	QP	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: NEUTRAL
Test Mode	: Mode 8, CH159		:

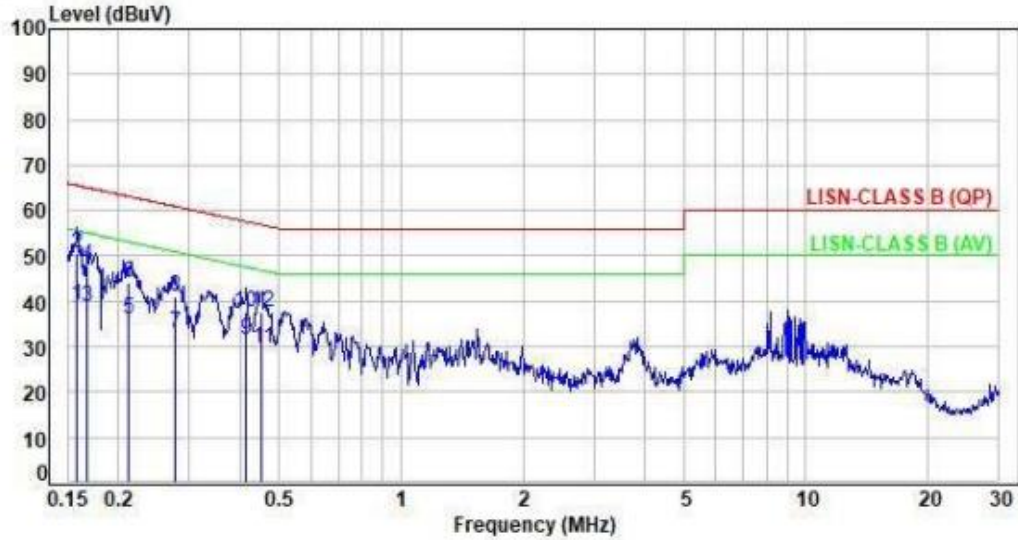


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.90	29.44	39.34	55.62	-16.28	Average	P
2	0.16	9.90	41.29	51.19	65.62	-14.43	QP	P
3	0.17	9.90	25.26	35.16	55.08	-19.92	Average	P
4	0.17	9.90	38.76	48.66	65.08	-16.42	QP	P
5	0.20	9.89	23.80	33.69	53.58	-19.89	Average	P
6	0.20	9.89	36.97	46.86	63.58	-16.72	QP	P
7	0.26	9.88	21.84	31.72	51.38	-19.66	Average	P
8	0.26	9.88	29.54	39.42	61.38	-21.96	QP	P
9	0.27	9.88	24.54	34.42	51.00	-16.58	Average	P
10	0.27	9.88	32.99	42.87	61.00	-18.13	QP	P
11	0.33	9.89	19.02	28.91	49.36	-20.45	Average	P
12	0.33	9.89	28.39	38.28	59.36	-21.08	QP	P

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



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	LINE
Test Mode	:	Mode 12, CH155		:	

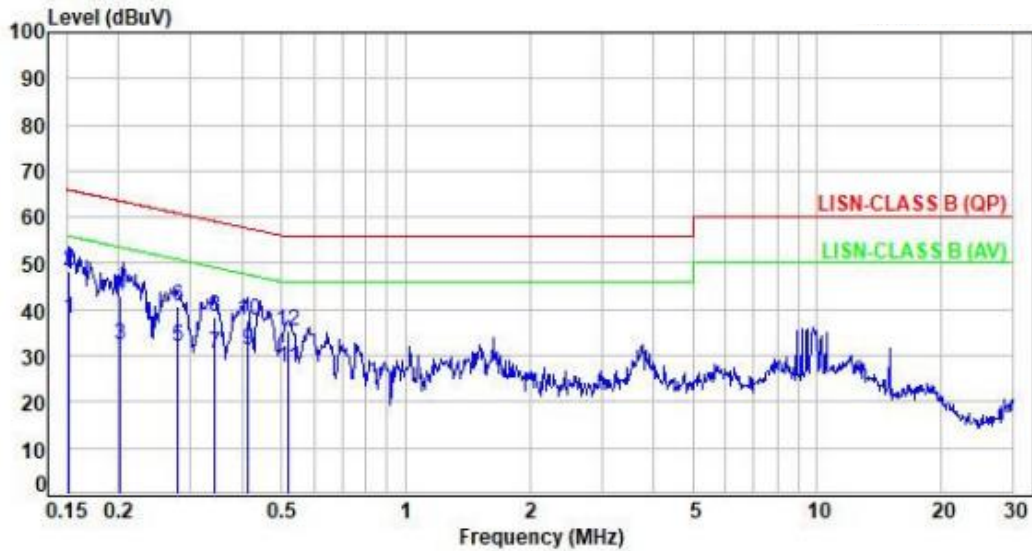


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.92	29.36	39.28	55.59	-16.31	Average	P
2	0.16	9.92	40.76	50.68	65.59	-14.91	QP	P
3	0.17	9.92	28.80	38.72	55.10	-16.38	Average	P
4	0.17	9.92	37.97	47.89	65.10	-17.21	QP	P
5	0.21	9.91	26.19	36.10	53.10	-17.00	Average	P
6	0.21	9.91	34.27	44.18	63.10	-18.92	QP	P
7	0.28	9.90	23.32	33.22	50.90	-17.68	Average	P
8	0.28	9.90	31.32	41.22	60.90	-19.68	QP	P
9	0.41	9.90	21.72	31.62	47.62	-16.00	Average	P
10	0.41	9.90	27.73	37.63	57.62	-19.99	QP	P
11	0.45	9.90	19.93	29.83	46.81	-16.98	Average	P
12	0.45	9.90	27.90	37.80	56.81	-19.01	QP	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: NEUTRAL
Test Mode	: Mode 12, CH155		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.90	28.03	37.93	55.92	-17.99	Average	P
2	0.15	9.90	38.41	48.31	65.92	-17.61	QP	P
3	0.20	9.89	22.51	32.40	53.55	-21.15	Average	P
4	0.20	9.89	33.17	43.06	63.55	-20.49	QP	P
5	0.28	9.88	22.19	32.07	50.87	-18.80	Average	P
6	0.28	9.88	30.72	40.60	60.87	-20.27	QP	P
7	0.34	9.89	20.55	30.44	49.15	-18.71	Average	P
8	0.34	9.89	28.52	38.41	59.15	-20.74	QP	P
9	0.41	9.88	21.39	31.27	47.59	-16.32	Average	P
10	0.41	9.88	27.65	37.53	57.59	-20.06	QP	P
11	0.52	9.88	17.34	27.22	46.00	-18.78	Average	P
12	0.52	9.88	25.34	35.22	56.00	-20.78	QP	P

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



6. Test of Spurious Emission (Radiated)

6.1. Test Limit

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

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.



6.2. Test Procedures

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

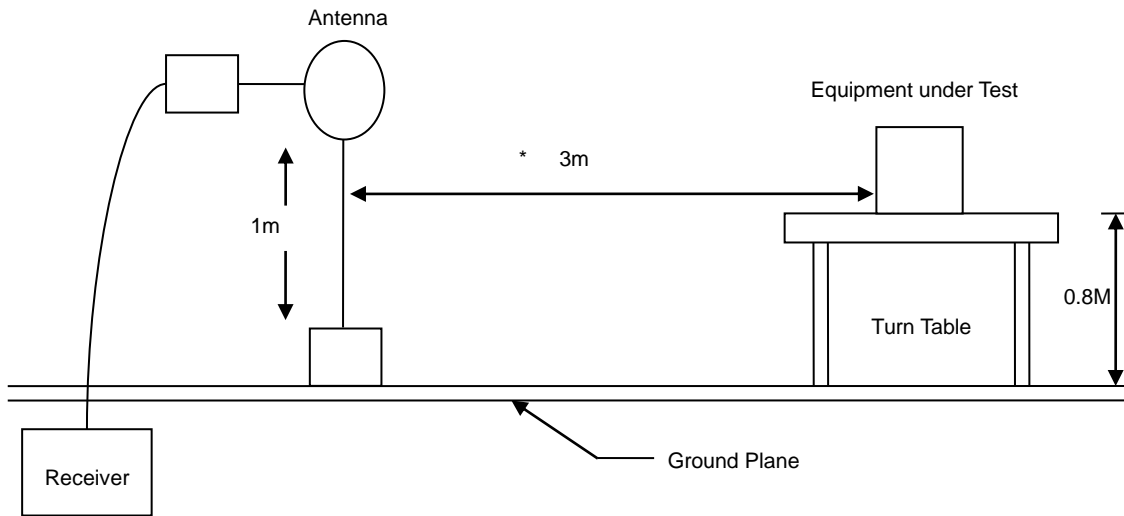
Note:

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

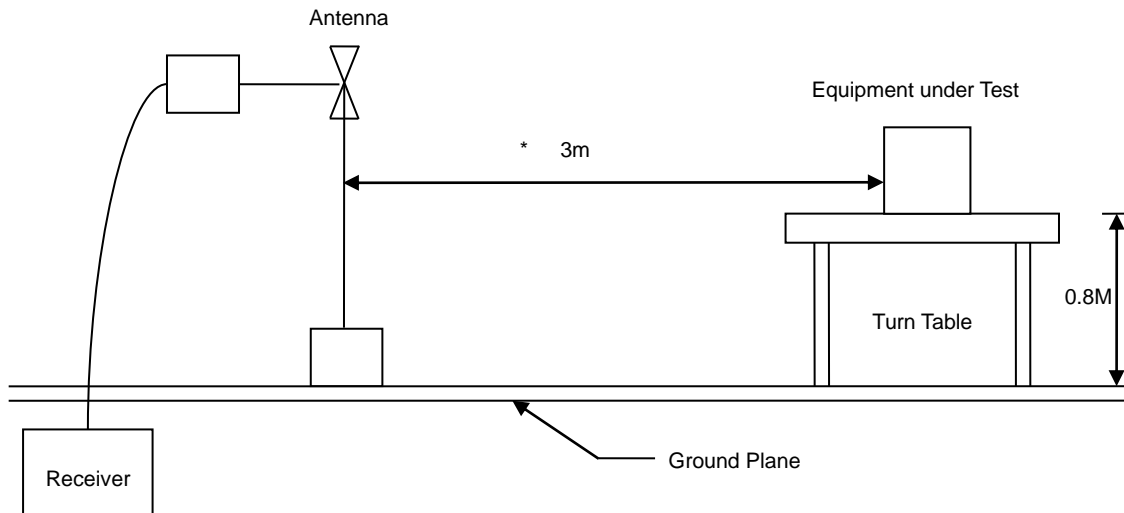


6.3. Typical Test Setup

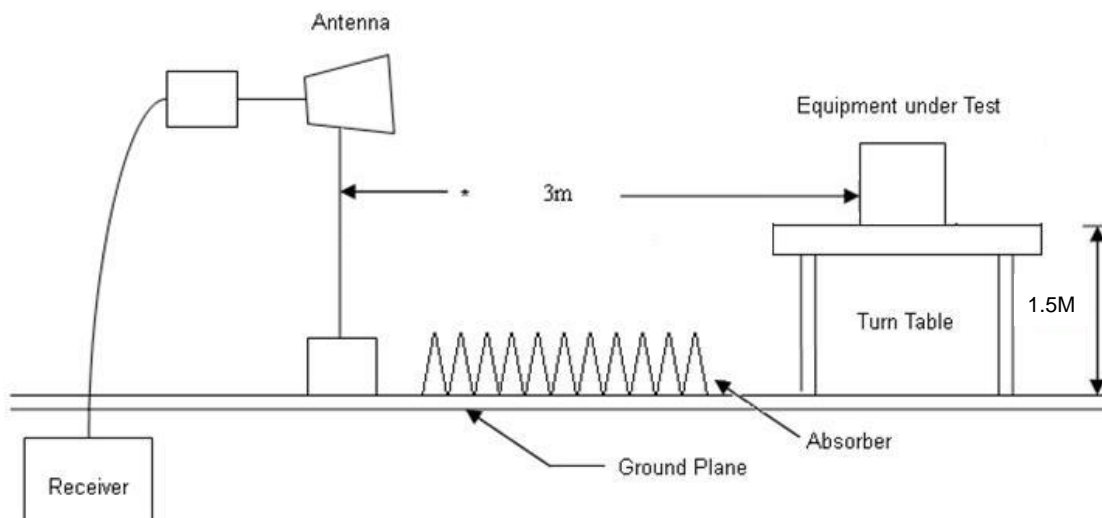
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



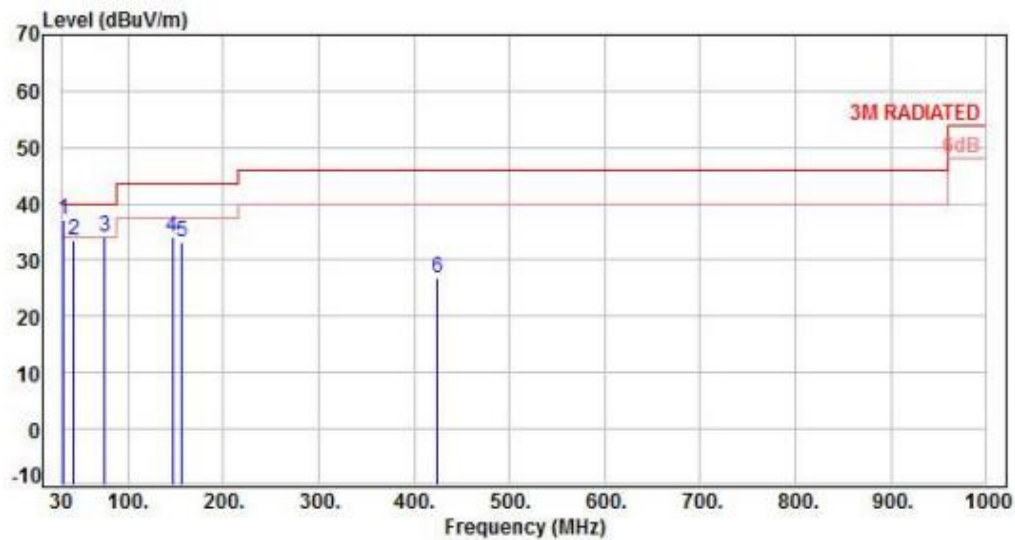


6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, CH159		:	

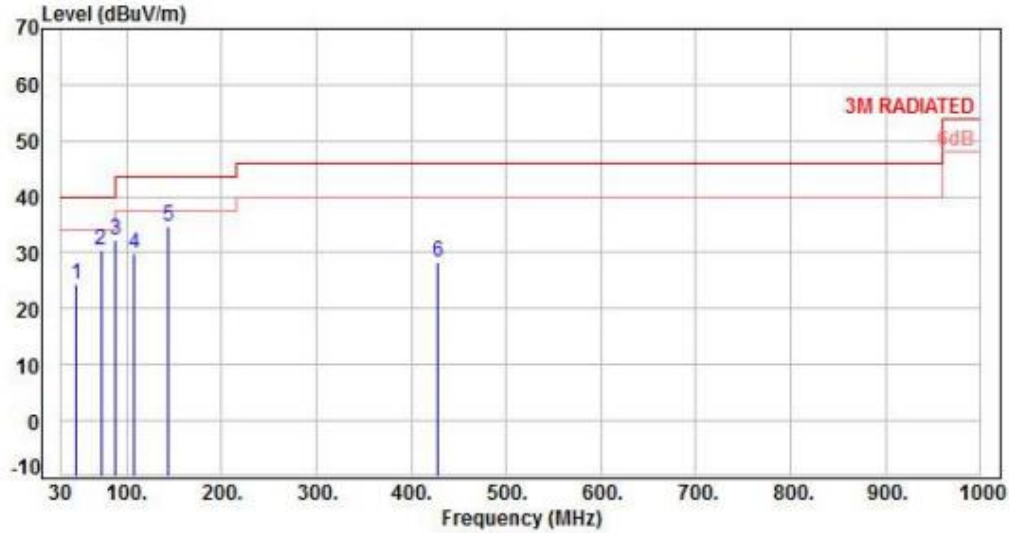


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	31.94	-11.99	49.21	37.22	40.00	-2.78	QP	100	175	P
2	43.58	-11.45	44.90	33.45	40.00	-6.55	QP	100	360	P
3	74.62	-14.42	48.66	34.24	40.00	-5.76	Peak	400	360	P
4	146.40	-11.53	45.53	34.00	43.50	-9.50	Peak	400	360	P
5	156.10	-11.34	44.43	33.09	43.50	-10.41	Peak	400	360	P
6	423.82	-6.75	33.41	26.66	46.00	-19.34	Peak	400	360	P

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



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, CH159		:	

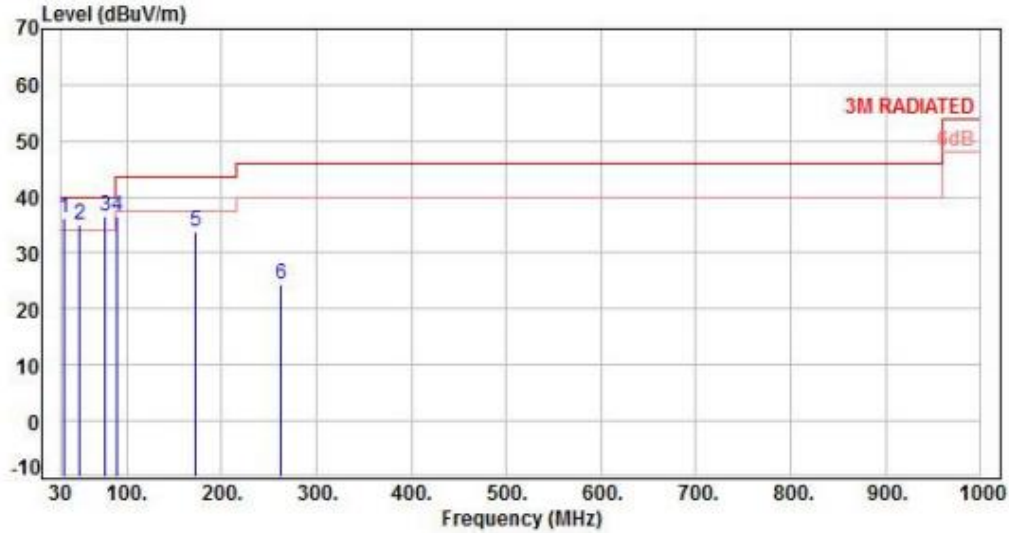


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	47.46	-10.98	35.38	24.40	40.00	-15.60	Peak	400	0	P
2	72.68	-13.80	44.31	30.51	40.00	-9.49	Peak	400	0	P
3	88.20	-16.78	49.11	32.33	43.50	-11.17	Peak	400	0	P
4	107.60	-14.68	44.58	29.90	43.50	-13.60	Peak	400	0	P
5	144.46	-11.73	46.53	34.80	43.50	-8.70	Peak	400	0	P
6	427.70	-6.58	34.90	28.32	46.00	-17.68	Peak	400	0	P

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



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 12, CH155		:	

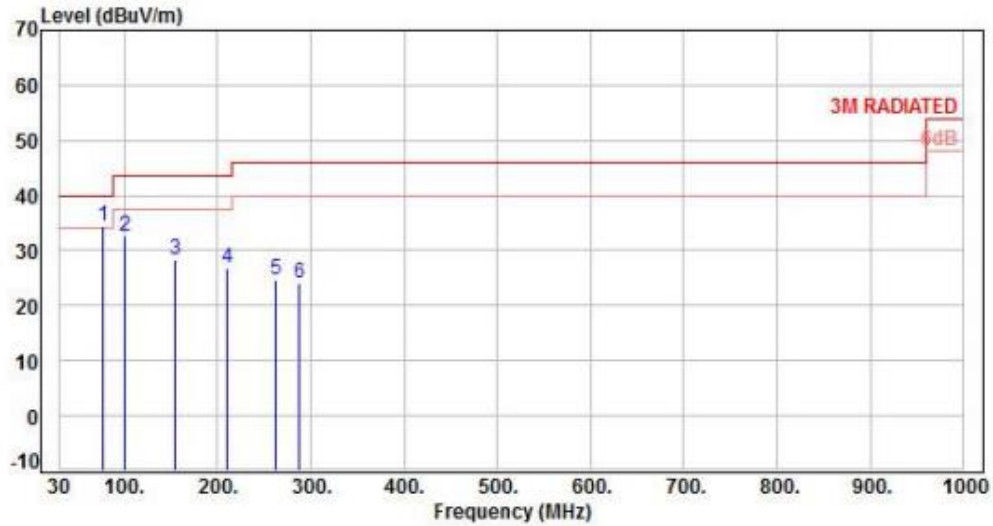


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	33.88	-11.25	47.55	36.30	40.00	-3.70	Peak	100	360	P
2	50.37	-9.61	44.61	35.00	40.00	-5.00	Peak	100	360	P
3	77.53	-14.10	50.50	36.40	40.00	-3.60	Peak	100	360	P
4	89.17	-15.60	52.15	36.55	43.50	-6.95	Peak	100	360	P
5	171.62	-10.83	44.59	33.76	43.50	-9.74	Peak	100	360	P
6	261.83	-10.00	34.42	24.42	46.00	-21.58	Peak	100	360	P

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



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 12, CH155		:	



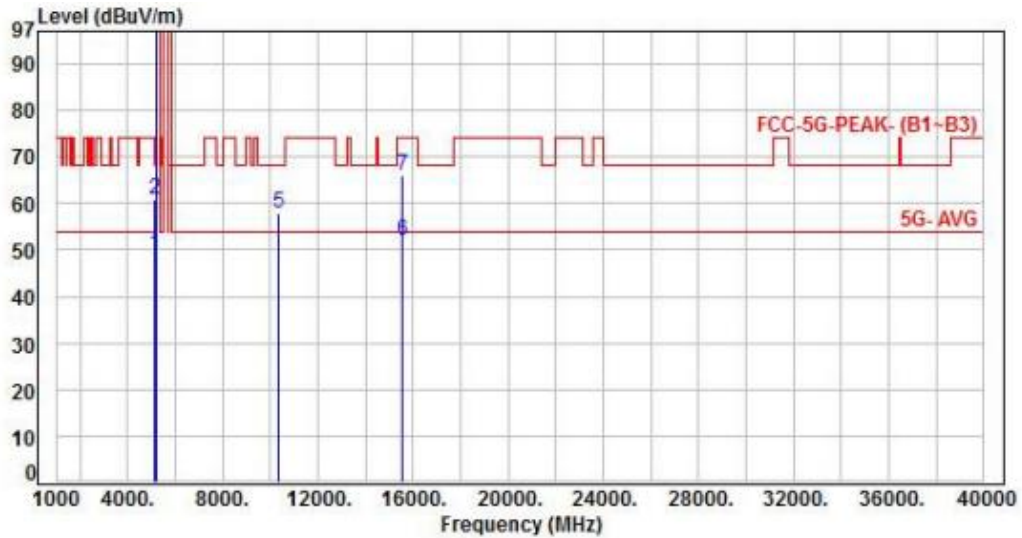
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	76.56	-13.75	48.13	34.38	40.00	-5.62	Peak	100	360	P
2	99.84	-14.53	47.25	32.72	43.50	-10.78	Peak	100	360	P
3	155.13	-10.01	38.19	28.18	43.50	-15.32	Peak	100	360	P
4	210.42	-12.41	39.22	26.81	43.50	-16.69	Peak	100	360	P
5	262.00	-9.89	34.64	24.75	46.00	-21.25	Peak	100	360	P
6	288.02	-9.30	33.22	23.92	46.00	-22.08	Peak	100	360	P

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



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

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

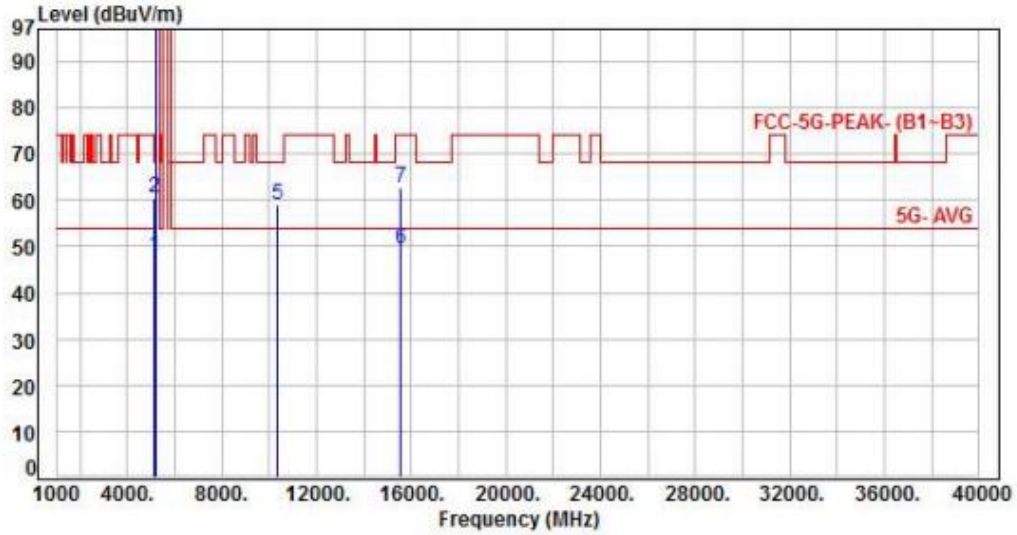


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	43.08	49.09	54.00	-4.91	Average	235	31	P
2	5150.00	6.01	54.93	60.94	74.00	-13.06	Peak	235	31	P
3	5180.00	6.03	103.05	109.08	200.00	-90.92	Average	235	31	P
4	5180.00	6.03	112.58	118.61	200.00	-81.39	Peak	235	31	P
5	10360.00	13.23	44.66	57.89	68.20	-10.31	Peak	100	331	P
6	15540.00	16.03	36.00	52.03	54.00	-1.97	Average	287	36	P
7	15540.00	16.03	50.00	66.03	74.00	-7.97	Peak	287	36	P

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



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

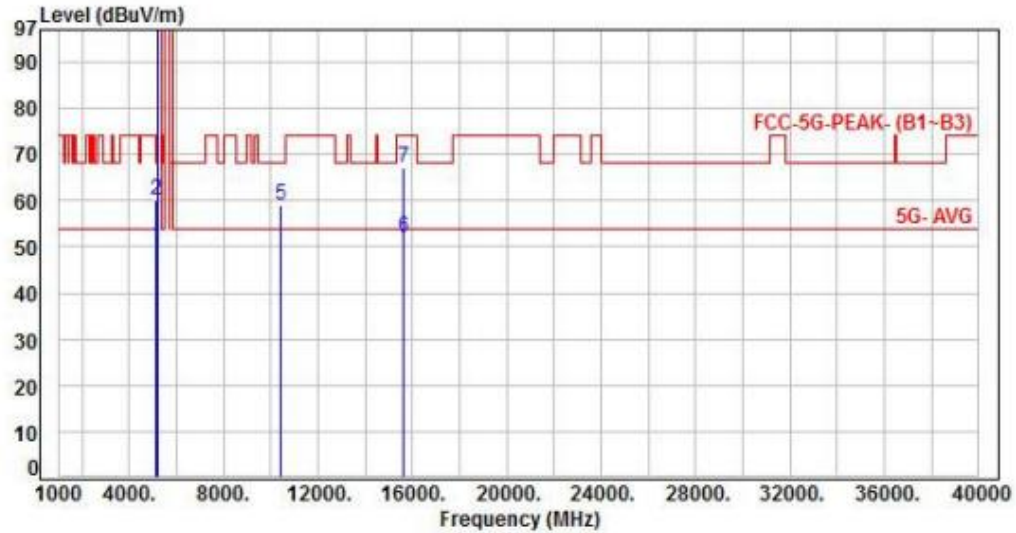


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	41.76	47.77	54.00	-6.23	Average	100	360	P
2	5150.00	6.01	54.54	60.55	74.00	-13.45	Peak	100	360	P
3	5180.00	6.03	100.61	106.64	200.00	-93.36	Average	100	360	P
4	5180.00	6.03	111.74	117.77	200.00	-82.23	Peak	100	360	P
5	10360.00	13.23	45.86	59.09	68.20	-9.11	Peak	100	138	P
6	15540.00	16.03	33.21	49.24	54.00	-4.76	Average	100	44	P
7	15540.00	16.03	46.49	62.52	74.00	-11.48	Peak	100	44	P

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



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

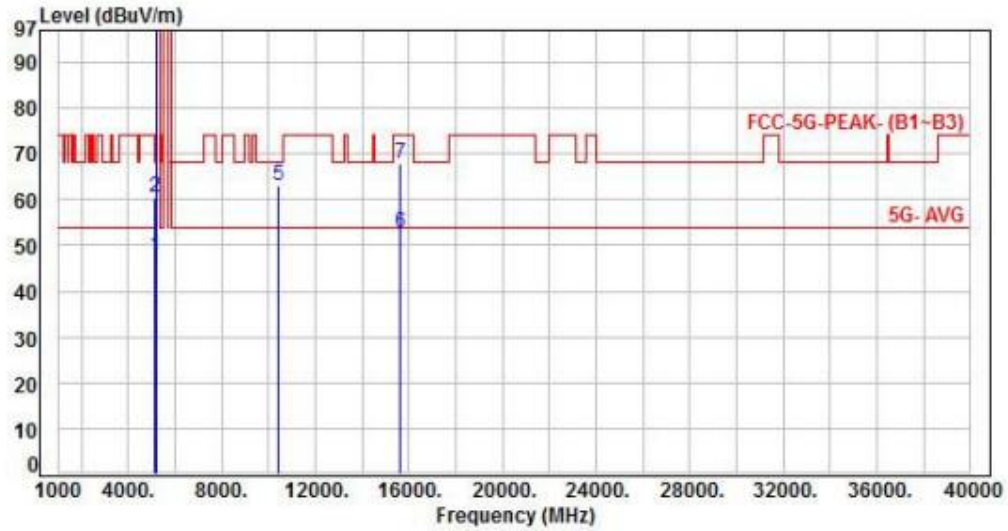


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	44.15	50.16	54.00	-3.84	Average	100	42	P
2	5150.00	6.01	54.27	60.28	74.00	-13.72	Peak	100	42	P
3	5200.00	6.04	100.98	107.02	200.00	-92.98	Average	100	42	P
4	5200.00	6.04	111.13	117.17	200.00	-82.83	Peak	100	42	P
5	10400.00	13.27	45.63	58.90	68.20	-9.30	Peak	100	23	P
6	15600.00	15.83	36.23	52.06	54.00	-1.94	Average	192	355	P
7	15600.00	15.83	51.13	66.96	74.00	-7.04	Peak	192	355	P

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



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

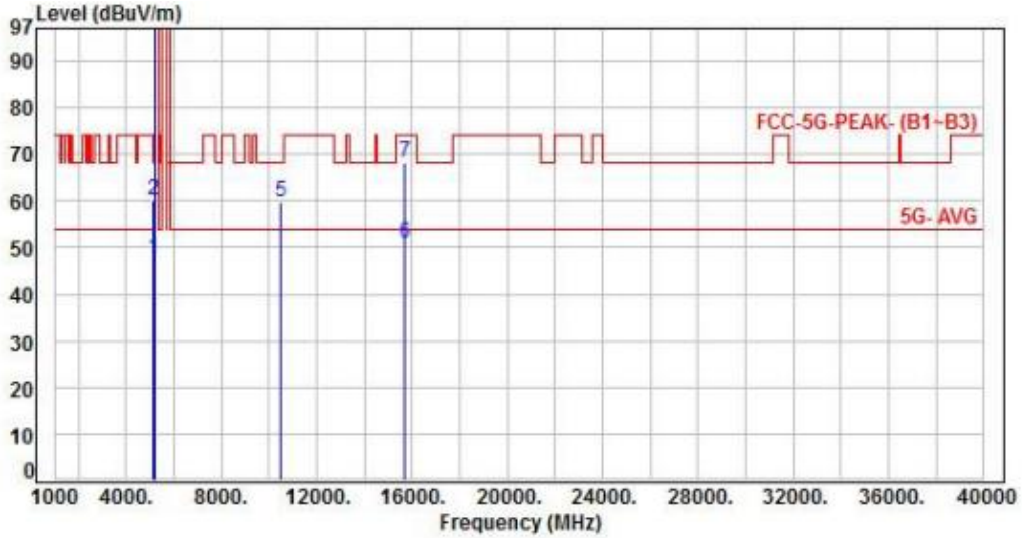


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	41.44	47.45	54.00	-6.55	Average	100	357	P
2	5150.00	6.01	54.49	60.50	74.00	-13.50	Peak	100	357	P
3	5200.00	6.04	100.73	106.77	200.00	-93.23	Average	100	357	P
4	5200.00	6.04	111.31	117.35	200.00	-82.65	Peak	100	357	P
5	10400.00	13.27	49.79	63.06	68.20	-5.14	Peak	191	342	P
6	15600.00	15.83	36.78	52.61	54.00	-1.39	Average	114	52	P
7	15600.00	15.83	52.00	67.83	74.00	-6.17	Peak	114	52	P

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



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

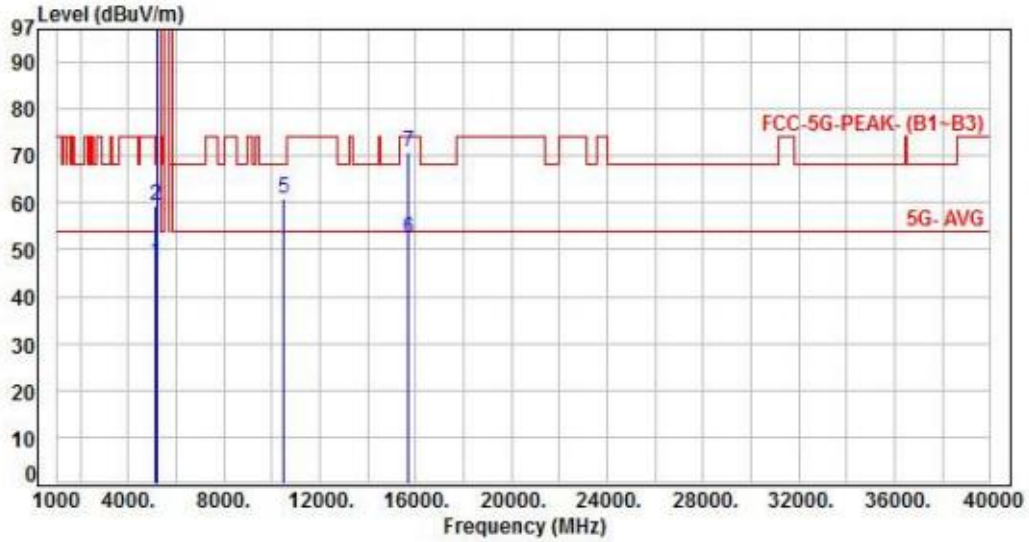


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	41.46	47.47	54.00	-6.53	Average	321	42	P
2	5150.00	6.01	53.97	59.98	74.00	-14.02	Peak	321	42	P
3	5240.00	6.08	103.82	109.90	200.00	-90.10	Average	321	42	P
4	5240.00	6.08	113.98	120.06	200.00	-79.94	Peak	321	42	P
5	10480.00	13.47	46.23	59.70	68.20	-8.50	Peak	100	234	P
6	15720.00	15.32	35.73	51.05	54.00	-2.95	Average	196	355	P
7	15720.00	15.32	52.74	68.06	74.00	-5.94	Peak	196	355	P

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



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

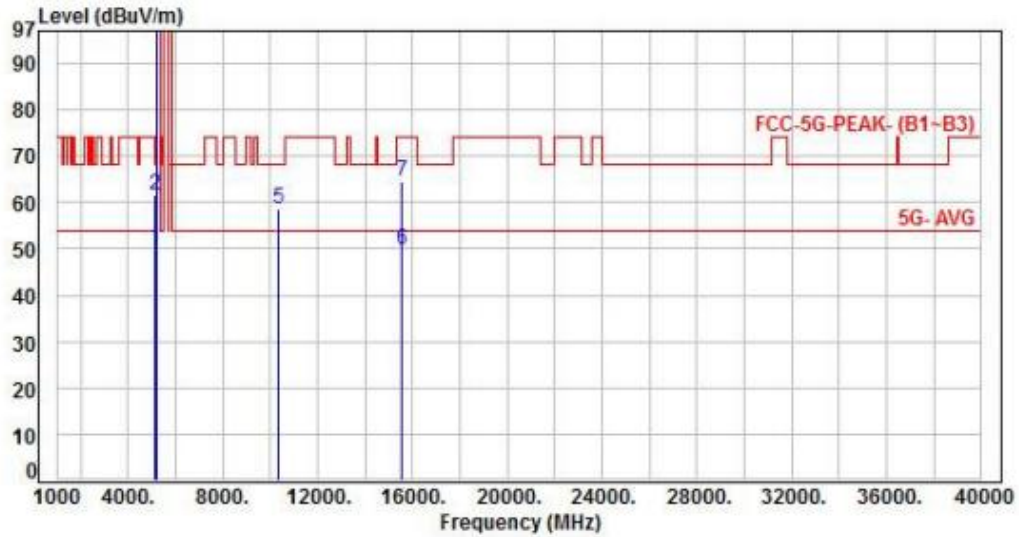


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	41.38	47.39	54.00	-6.61	Average	100	0	P
2	5150.00	6.01	53.42	59.43	74.00	-14.57	Peak	100	0	P
3	5240.00	6.08	100.93	107.01	200.00	-92.99	Average	100	0	P
4	5240.00	6.08	111.36	117.44	200.00	-82.56	Peak	100	0	P
5	10480.00	13.47	47.42	60.89	68.20	-7.31	Peak	100	294	P
6	15720.00	15.32	37.21	52.53	54.00	-1.47	Average	100	50	P
7	15720.00	15.32	55.51	70.83	74.00	-3.17	Peak	100	50	P

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



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

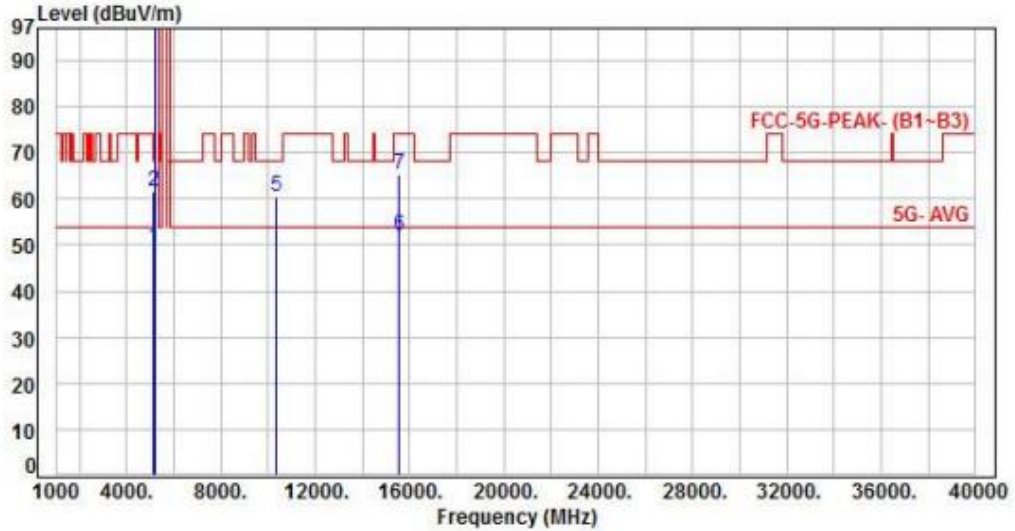


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	44.32	50.33	54.00	-3.67	Average	209	25	P
2	5150.00	6.01	55.58	61.59	74.00	-12.41	Peak	209	25	P
3	5180.00	6.03	98.92	104.95	200.00	-95.05	Average	209	25	P
4	5180.00	6.03	110.64	116.67	200.00	-83.33	Peak	209	25	P
5	10360.00	13.23	45.53	58.76	68.20	-9.44	Peak	100	67	P
6	15540.00	16.03	33.92	49.95	54.00	-4.05	Average	226	10	P
7	15540.00	16.03	48.41	64.44	74.00	-9.56	Peak	226	10	P

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



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

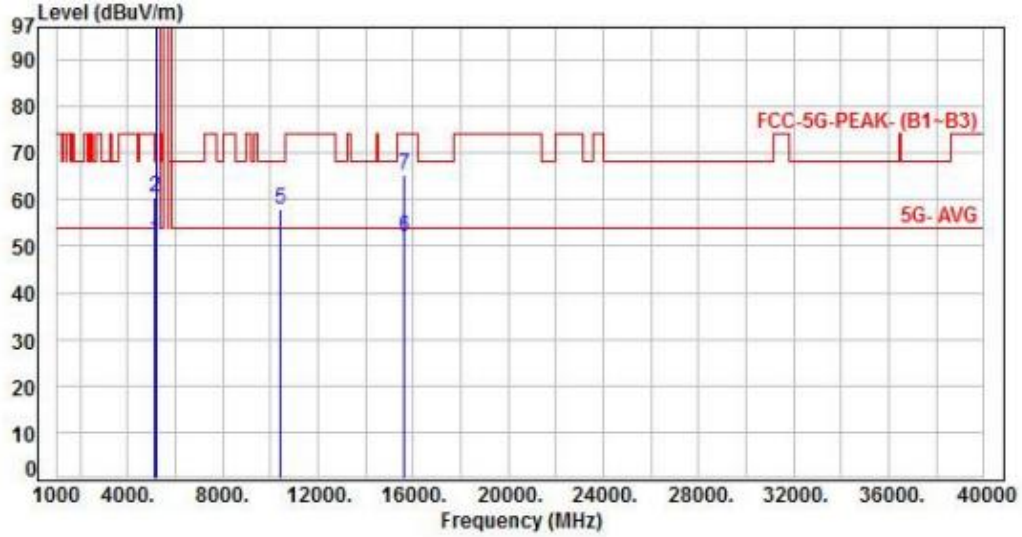


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	43.59	49.60	54.00	-4.40	Average	100	360	P
2	5150.00	6.01	55.60	61.61	74.00	-12.39	Peak	100	360	P
3	5180.00	6.03	97.98	104.01	200.00	-95.99	Average	100	360	P
4	5180.00	6.03	109.41	115.44	200.00	-84.56	Peak	100	360	P
5	10360.00	13.23	47.29	60.52	68.20	-7.68	Peak	100	67	P
6	15540.00	16.03	36.03	52.06	54.00	-1.94	Average	153	343	P
7	15540.00	16.03	49.39	65.42	74.00	-8.58	Peak	153	343	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, Band 1, CH40		:

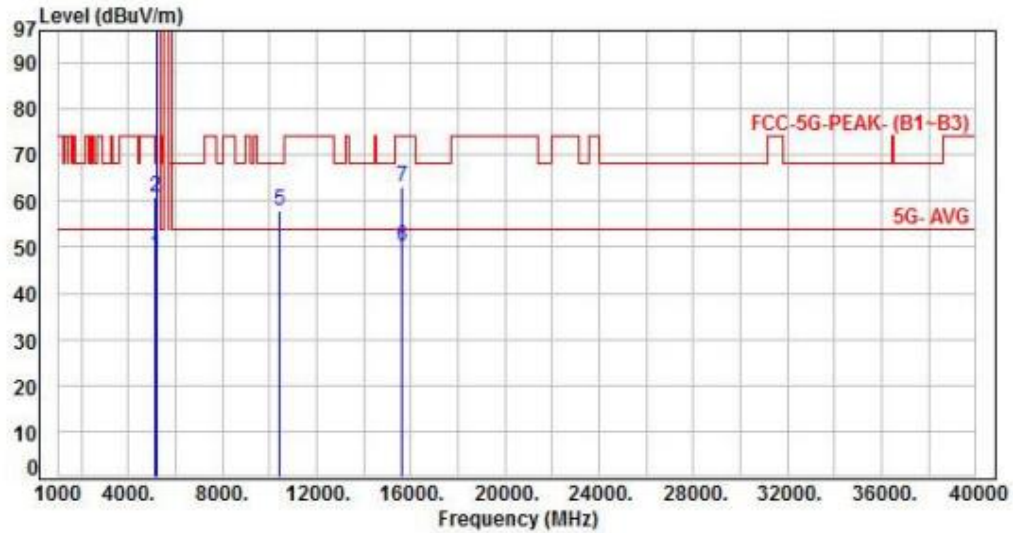


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	45.38	51.39	54.00	-2.61	Average	221	40	P
2	5150.00	6.01	54.46	60.47	74.00	-13.53	Peak	221	40	P
3	5200.00	6.04	99.05	105.09	200.00	-94.91	Average	221	40	P
4	5200.00	6.04	110.83	116.87	200.00	-83.13	Peak	221	40	P
5	10400.00	13.27	44.60	57.87	68.20	-10.33	Peak	100	321	P
6	15600.00	15.83	36.18	52.01	54.00	-1.99	Average	229	31	P
7	15600.00	15.83	49.63	65.46	74.00	-8.54	Peak	229	31	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, Band 1, CH40		:

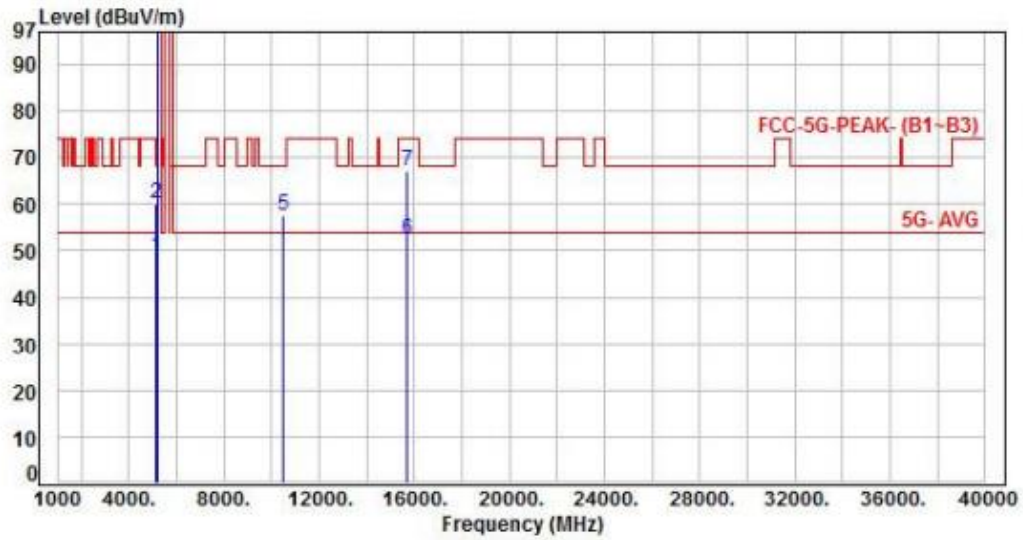


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	42.31	48.32	54.00	-5.68	Average	100	0	P
2	5150.00	6.01	54.78	60.79	74.00	-13.21	Peak	100	0	P
3	5200.00	6.04	97.88	103.92	200.00	-96.08	Average	100	0	P
4	5200.00	6.04	110.57	116.61	200.00	-83.39	Peak	100	0	P
5	10400.00	13.27	44.62	57.89	68.20	-10.31	Peak	100	176	P
6	15600.00	15.83	34.48	50.31	54.00	-3.69	Average	125	50	P
7	15600.00	15.83	47.11	62.94	74.00	-11.06	Peak	125	50	P

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



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

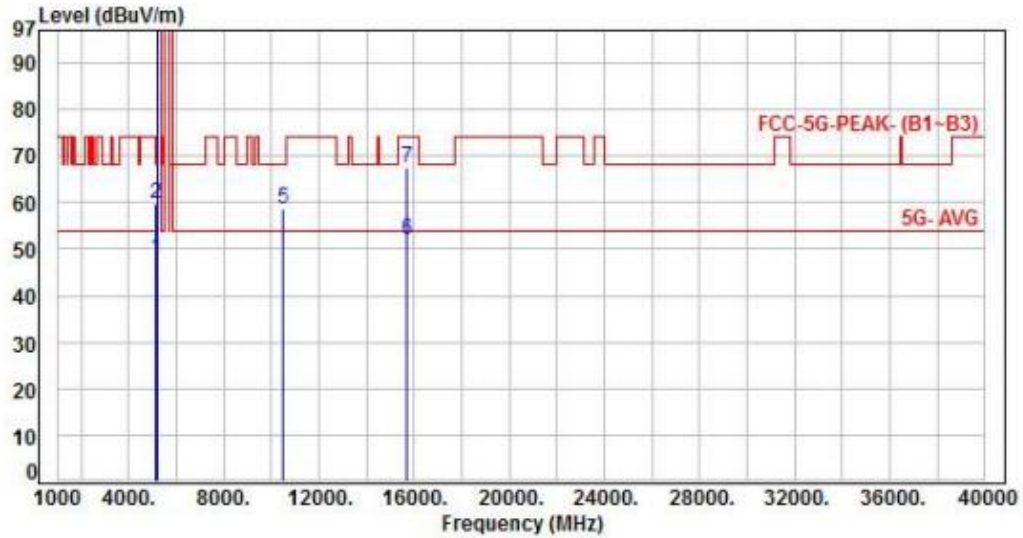


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	42.57	48.58	54.00	-5.42	Average	274	352	P
2	5150.00	6.01	53.99	60.00	74.00	-14.00	Peak	274	352	P
3	5240.00	6.08	98.14	104.22	200.00	-95.78	Average	274	352	P
4	5240.00	6.08	109.93	116.01	200.00	-83.99	Peak	274	352	P
5	10480.00	13.47	44.08	57.55	68.20	-10.65	Peak	100	115	P
6	15720.00	15.32	37.01	52.33	54.00	-1.67	Average	294	37	P
7	15720.00	15.32	51.68	67.00	74.00	-7.00	Peak	294	37	P

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



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

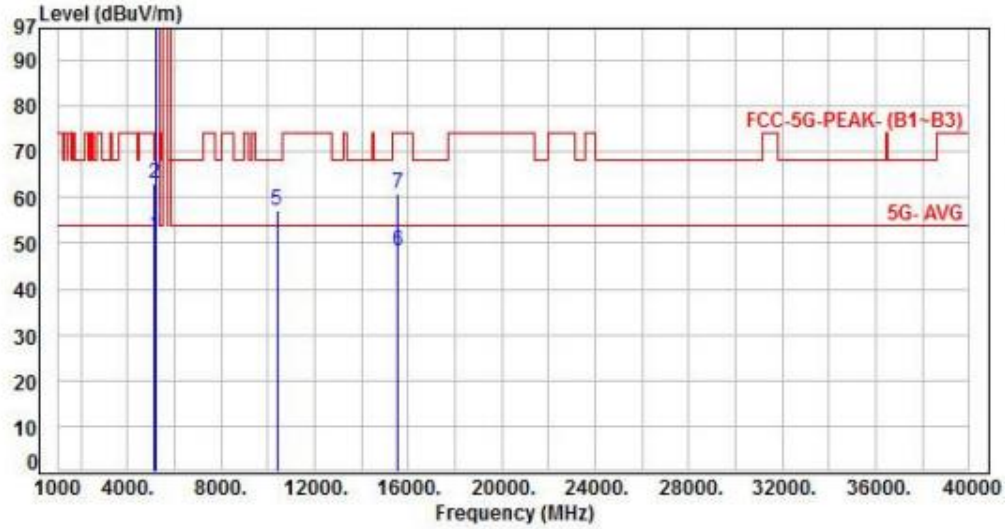


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	42.10	48.11	54.00	-5.89	Average	100	360	P
2	5150.00	6.01	53.61	59.62	74.00	-14.38	Peak	100	360	P
3	5240.00	6.08	97.68	103.76	200.00	-96.24	Average	100	360	P
4	5240.00	6.08	109.63	115.71	200.00	-84.29	Peak	100	360	P
5	10480.00	13.47	45.06	58.53	68.20	-9.67	Peak	100	122	P
6	15720.00	15.32	36.73	52.05	54.00	-1.95	Average	100	49	P
7	15720.00	15.32	52.29	67.61	74.00	-6.39	Peak	100	49	P

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



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

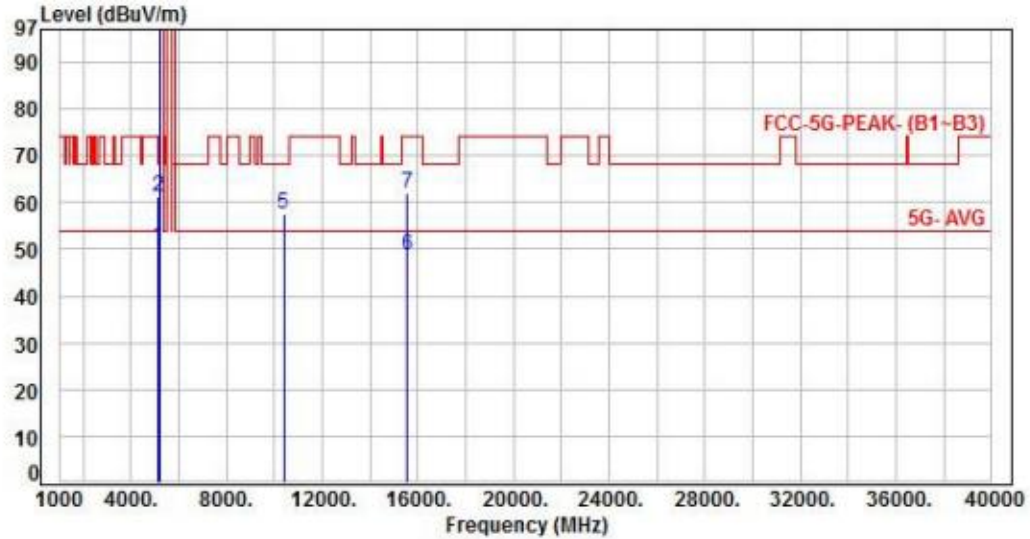


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	45.60	51.61	54.00	-2.39	Average	144	38	P
2	5150.00	6.01	56.99	63.00	74.00	-11.00	Peak	144	38	P
3	5190.00	6.04	96.98	103.02	200.00	-96.98	Average	144	38	P
4	5190.00	6.04	108.13	114.17	200.00	-85.83	Peak	144	38	P
5	10380.00	13.26	43.77	57.03	68.20	-11.17	Peak	100	117	P
6	15570.00	15.93	32.34	48.27	54.00	-5.73	Average	100	34	P
7	15570.00	15.93	45.02	60.95	74.00	-13.05	Peak	100	34	P

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



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

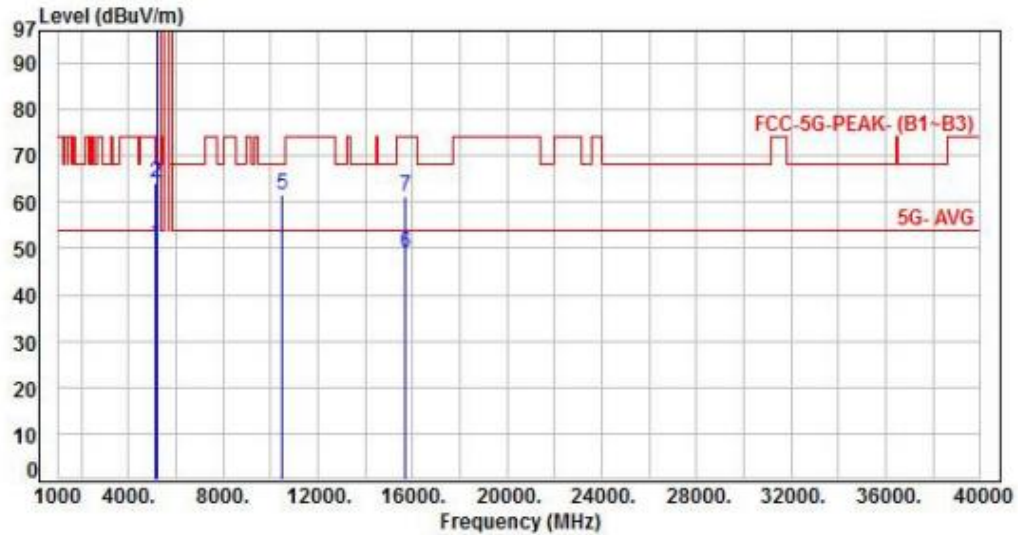


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	44.66	50.67	54.00	-3.33	Average	100	360	P
2	5150.00	6.01	55.04	61.05	74.00	-12.95	Peak	100	360	P
3	5190.00	6.04	95.31	101.35	200.00	-98.65	Average	100	360	P
4	5190.00	6.04	106.52	112.56	200.00	-87.44	Peak	100	360	P
5	10380.00	13.26	44.43	57.69	68.20	-10.51	Peak	100	327	P
6	15570.00	15.93	32.65	48.58	54.00	-5.42	Average	111	53	P
7	15570.00	15.93	45.94	61.87	74.00	-12.13	Peak	111	53	P

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



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

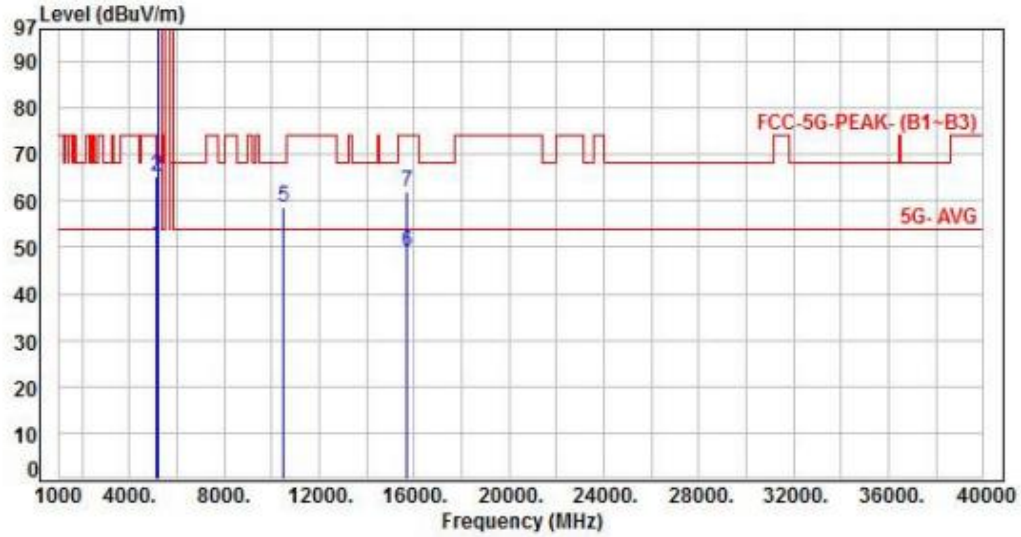


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	44.87	50.88	54.00	-3.12	Average	122	34	P
2	5150.00	6.01	58.13	64.14	74.00	-9.86	Peak	122	34	P
3	5230.00	6.08	97.50	103.58	200.00	-96.42	Average	122	34	P
4	5230.00	6.08	108.58	114.66	200.00	-85.34	Peak	122	34	P
5	10460.00	13.42	48.29	61.71	68.20	-6.49	Peak	211	32	P
6	15690.00	15.35	33.70	49.05	54.00	-4.95	Average	243	40	P
7	15690.00	15.35	45.91	61.26	74.00	-12.74	Peak	243	40	P

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



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

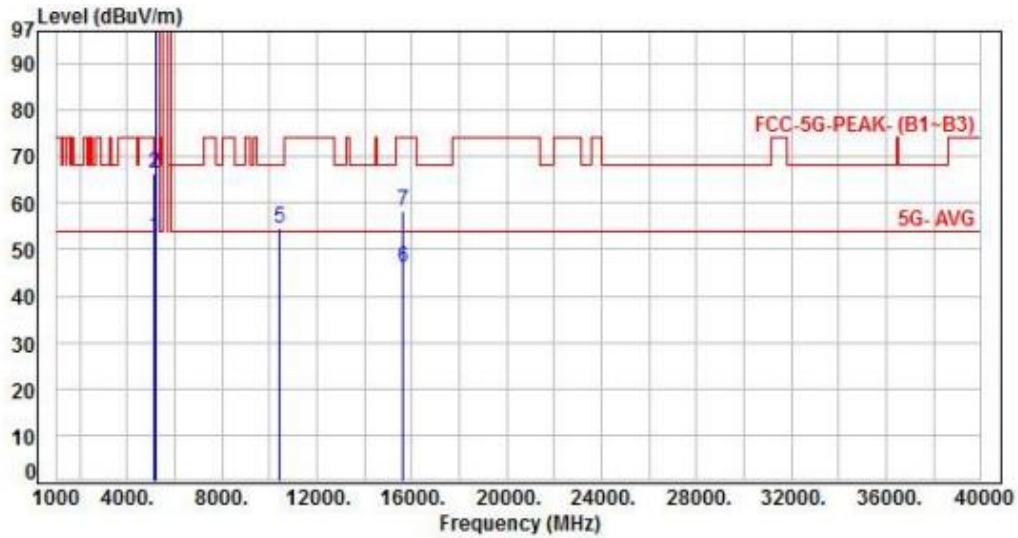


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	44.60	50.61	54.00	-3.39	Average	100	3	P
2	5150.00	6.01	59.27	65.28	74.00	-8.72	Peak	100	3	P
3	5230.00	6.08	97.16	103.24	200.00	-96.76	Average	100	3	P
4	5230.00	6.08	108.28	114.36	200.00	-85.64	Peak	100	3	P
5	10460.00	13.42	45.24	58.66	68.20	-9.54	Peak	131	43	P
6	15690.00	15.35	33.69	49.04	54.00	-4.96	Average	113	59	P
7	15690.00	15.35	46.51	61.86	74.00	-12.14	Peak	113	59	P

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



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

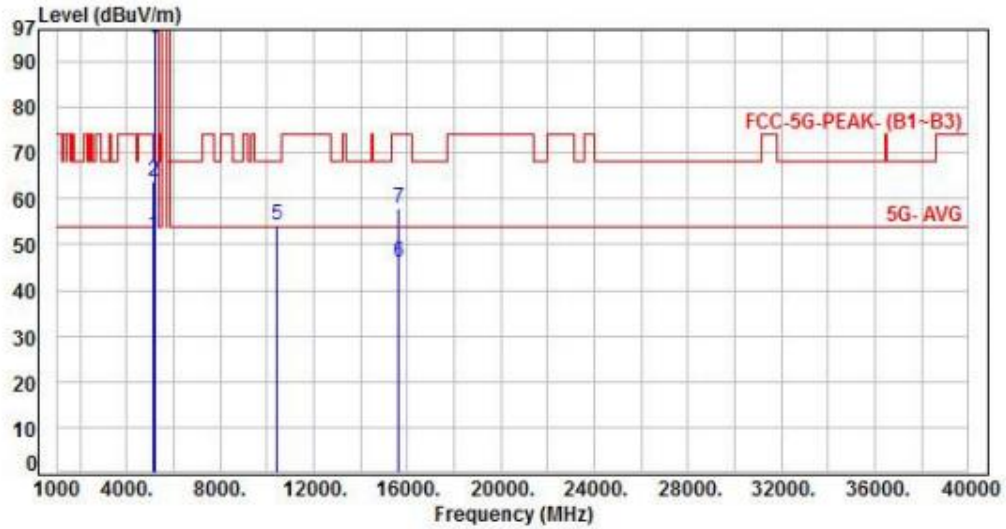


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	46.73	52.74	54.00	-1.26	Average	148	38	P
2	5150.00	6.01	60.43	66.44	74.00	-7.56	Peak	148	38	P
3	5210.00	6.06	90.40	96.46	200.00	-103.54	Average	148	38	P
4	5210.00	6.06	102.07	108.13	200.00	-91.87	Peak	148	38	P
5	10420.00	13.32	41.11	54.43	68.20	-13.77	Peak	100	33	P
6	15630.00	15.66	30.61	46.27	54.00	-7.73	Average	100	38	P
7	15630.00	15.66	42.69	58.35	74.00	-15.65	Peak	100	38	P

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



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



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.01	45.94	51.95	54.00	-2.05	Average	100	360	P
2	5150.00	6.01	57.64	63.65	74.00	-10.35	Peak	100	360	P
3	5210.00	6.06	89.15	95.21	200.00	-104.79	Average	100	360	P
4	5210.00	6.06	100.68	106.74	200.00	-93.26	Peak	100	360	P
5	10420.00	13.32	41.00	54.32	68.20	-13.88	Peak	100	42	P
6	15630.00	15.66	30.43	46.09	54.00	-7.91	Average	100	60	P
7	15630.00	15.66	42.10	57.76	74.00	-16.24	Peak	100	60	P

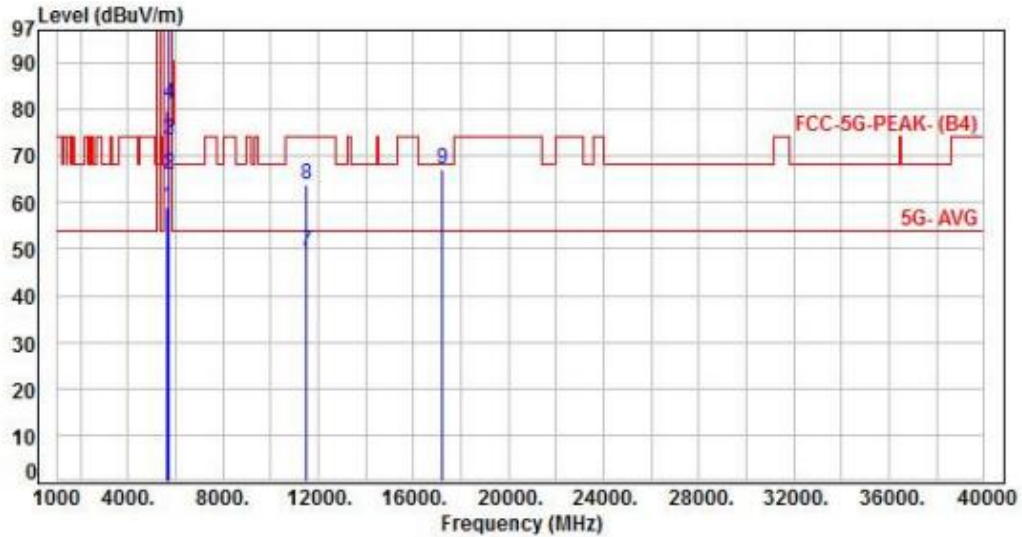
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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

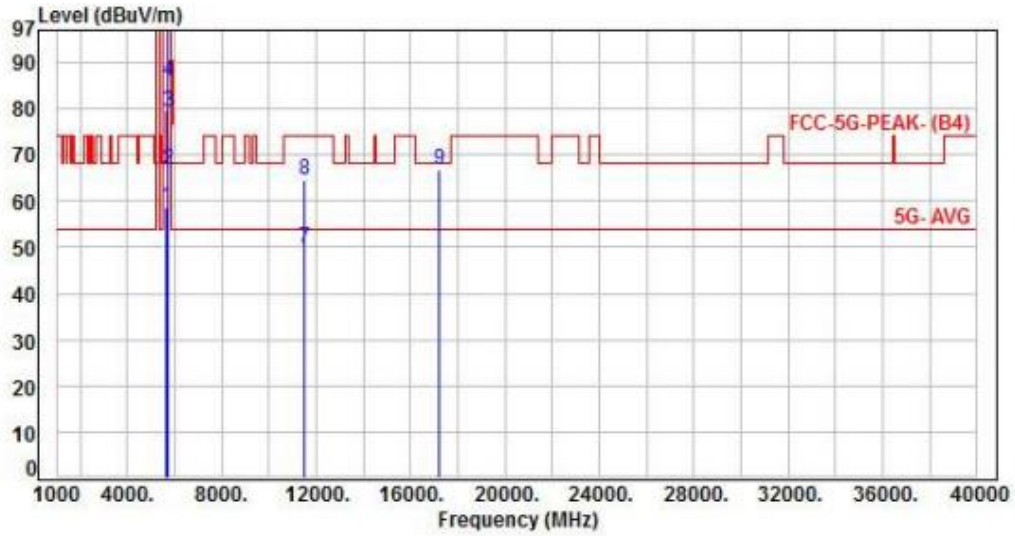


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.59	59.11	68.20	-9.09	Peak	219	48	P
2	5700.00	6.56	59.57	66.13	105.20	-39.07	Peak	219	48	P
3	5720.00	6.61	66.84	73.45	110.80	-37.35	Peak	219	48	P
4	5725.00	6.63	74.35	80.98	122.20	-41.22	Peak	219	48	P
5	5745.00	6.68	101.94	108.62	200.00	-91.38	Average	219	48	P
6	5745.00	6.68	112.34	119.02	200.00	-80.98	Peak	219	48	P
7	11490.00	15.08	34.38	49.46	54.00	-4.54	Average	250	46	P
8	11490.00	15.08	48.67	63.75	74.00	-10.25	Peak	250	46	P
9	17235.00	20.94	46.03	66.97	68.20	-1.23	Peak	331	360	P

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



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

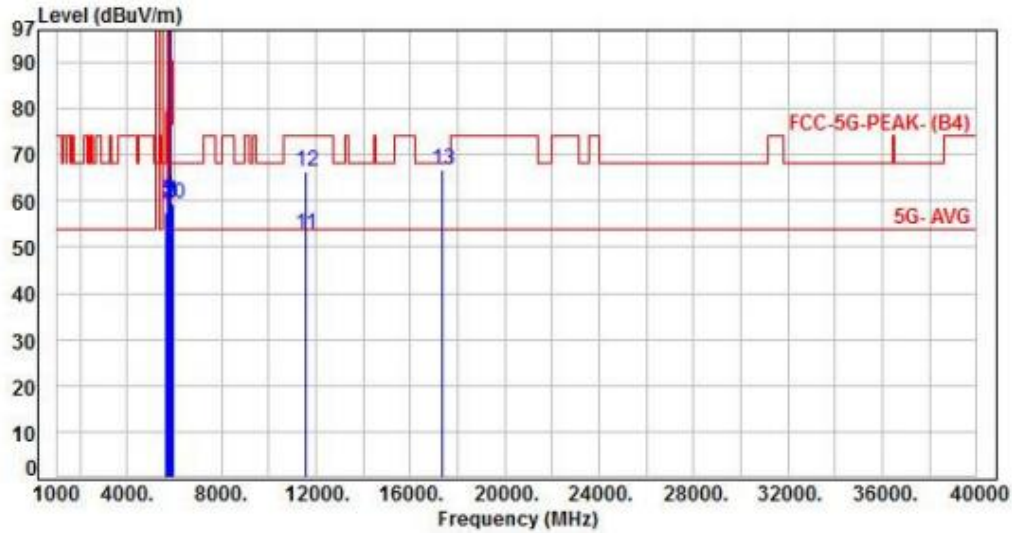


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.20	58.72	68.20	-9.48	Peak	100	20	P
2	5700.00	6.56	60.21	66.77	105.20	-38.43	Peak	100	20	P
3	5720.00	6.61	72.52	79.13	110.80	-31.67	Peak	100	20	P
4	5725.00	6.63	79.20	85.83	122.20	-36.37	Peak	100	20	P
5	5745.00	6.68	100.78	107.46	200.00	-92.54	Average	100	20	P
6	5745.00	6.68	110.59	117.27	200.00	-82.73	Peak	100	20	P
7	11490.00	15.08	34.69	49.77	54.00	-4.23	Average	100	359	P
8	11490.00	15.08	49.58	64.66	74.00	-9.34	Peak	100	359	P
9	17235.00	20.94	45.94	66.88	68.20	-1.32	Peak	101	355	P

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



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

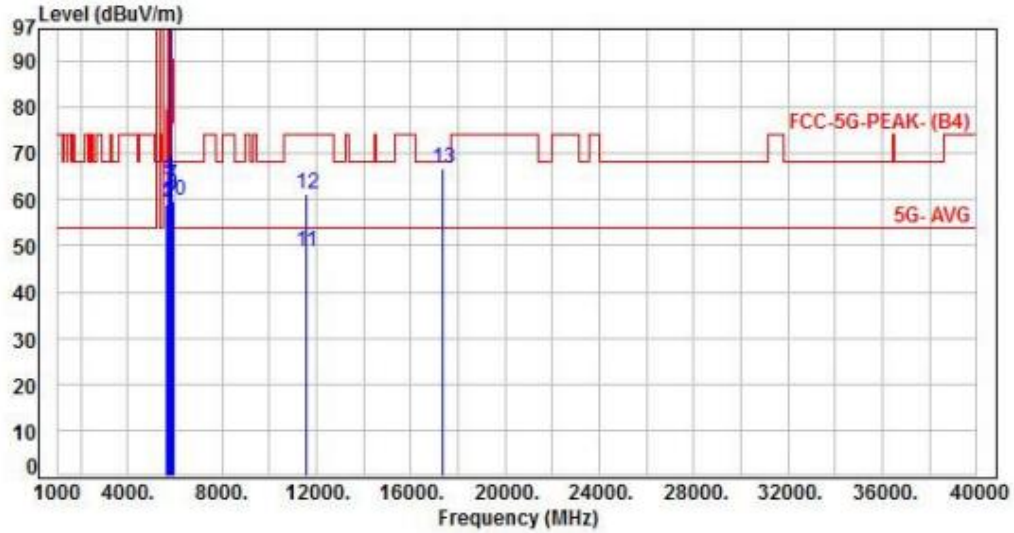


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	51.10	57.62	68.20	-10.58	Peak	384	22	P
2	5700.00	6.56	52.98	59.54	105.20	-45.66	Peak	384	22	P
3	5720.00	6.61	53.50	60.11	110.80	-50.69	Peak	384	22	P
4	5725.00	6.63	54.19	60.82	122.20	-61.38	Peak	384	22	P
5	5785.00	6.64	102.13	108.77	200.00	-91.23	Average	384	22	P
6	5785.00	6.64	113.16	119.80	200.00	-80.20	Peak	384	22	P
7	5850.00	6.76	53.12	59.88	122.20	-62.32	Peak	384	22	P
8	5855.00	6.78	53.04	59.82	110.80	-50.98	Peak	384	22	P
9	5875.00	6.83	52.55	59.38	105.20	-45.82	Peak	384	22	P
10	5925.00	6.97	52.40	59.37	68.20	-8.83	Peak	384	22	P
11	11570.00	15.32	37.27	52.59	54.00	-1.41	Average	245	42	P
12	11570.00	15.32	50.95	66.27	74.00	-7.73	Peak	245	42	P
13	17355.00	21.54	45.06	66.60	68.20	-1.60	Peak	171	3	P

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



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

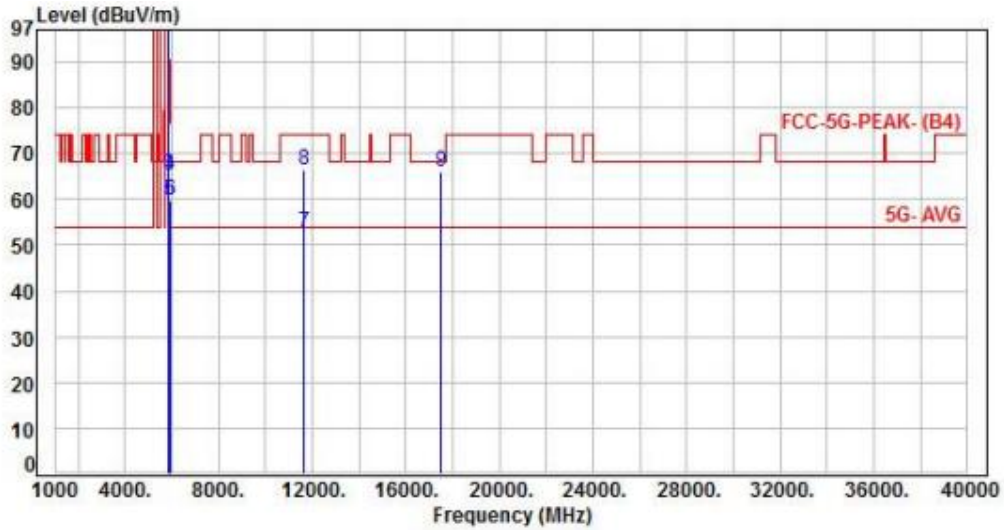


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.55	59.07	68.20	-9.13	Peak	100	26	P
2	5700.00	6.56	52.74	59.30	105.20	-45.90	Peak	100	26	P
3	5720.00	6.61	57.50	64.11	110.80	-46.69	Peak	100	26	P
4	5725.00	6.63	58.30	64.93	122.20	-57.27	Peak	100	26	P
5	5785.00	6.64	102.44	109.08	200.00	-90.92	Average	100	26	P
6	5785.00	6.64	112.83	119.47	200.00	-80.53	Peak	100	26	P
7	5850.00	6.76	56.19	62.95	122.20	-59.25	Peak	100	26	P
8	5855.00	6.78	54.37	61.15	110.80	-49.65	Peak	100	26	P
9	5875.00	6.83	54.00	60.83	105.20	-44.37	Peak	100	26	P
10	5925.00	6.97	52.64	59.61	68.20	-8.59	Peak	100	26	P
11	11570.00	15.32	33.23	48.55	54.00	-5.45	Average	100	360	P
12	11570.00	15.32	45.77	61.09	74.00	-12.91	Peak	100	360	P
13	17355.00	21.54	45.04	66.58	68.20	-1.62	Peak	106	355	P

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



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

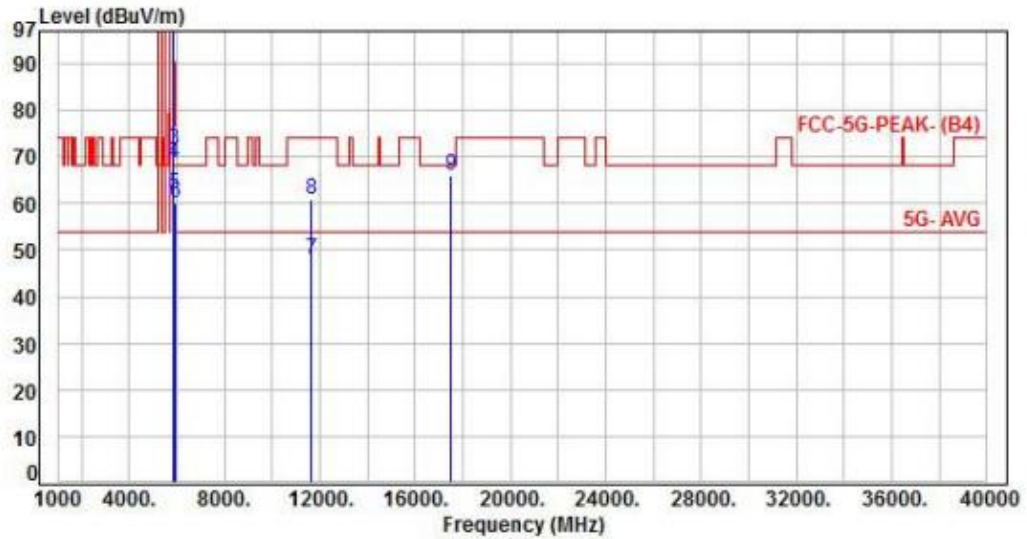


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.69	101.42	108.11	200.00	-91.89	Average	231	35	P
2	5825.00	6.69	110.89	117.58	200.00	-82.42	Peak	231	35	P
3	5850.00	6.76	58.51	65.27	122.20	-56.93	Peak	231	35	P
4	5855.00	6.78	58.49	65.27	110.80	-45.53	Peak	231	35	P
5	5875.00	6.83	52.99	59.82	105.20	-45.38	Peak	231	35	P
6	5925.00	6.97	52.78	59.75	68.20	-8.45	Peak	231	35	P
7	11650.00	15.44	37.21	52.65	54.00	-1.35	Average	237	43	P
8	11650.00	15.44	50.91	66.35	74.00	-7.65	Peak	237	43	P
9	17475.00	22.45	43.67	66.12	68.20	-2.08	Peak	101	2	P

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



Power	:	DC 12V From Adapter (AC 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	6.69	100.62	107.31	200.00	-92.69	Average	258	30	P
2	5825.00	6.69	110.64	117.33	200.00	-82.67	Peak	258	30	P
3	5850.00	6.76	64.79	71.55	122.20	-50.65	Peak	258	30	P
4	5855.00	6.78	61.65	68.43	110.80	-42.37	Peak	258	30	P
5	5875.00	6.83	55.02	61.85	105.20	-43.35	Peak	258	30	P
6	5925.00	6.97	53.08	60.05	68.20	-8.15	Peak	258	30	P
7	11650.00	15.44	32.38	47.82	54.00	-6.18	Average	103	334	P
8	11650.00	15.44	45.32	60.76	74.00	-13.24	Peak	103	334	P
9	17475.00	22.45	43.55	66.00	68.20	-2.20	Peak	124	355	P

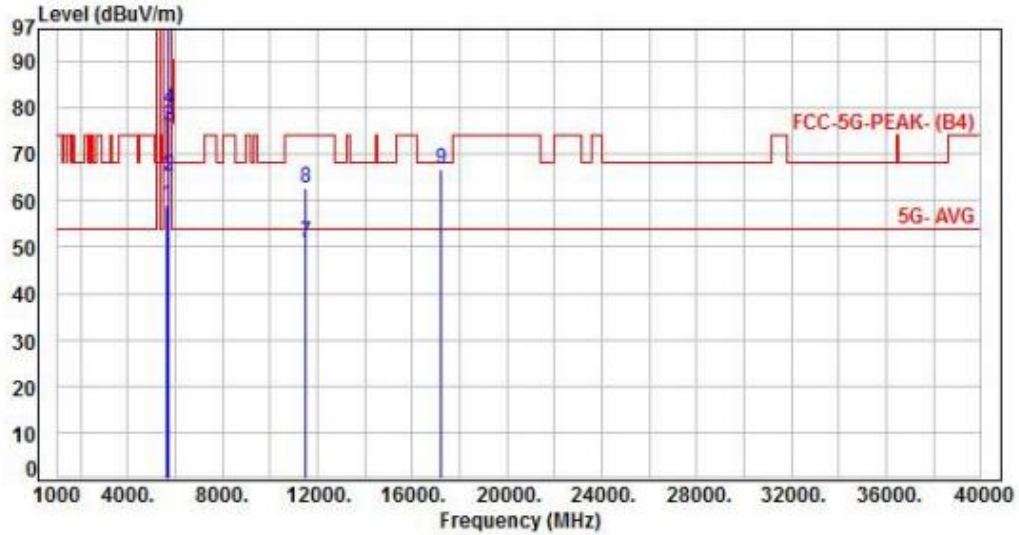
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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

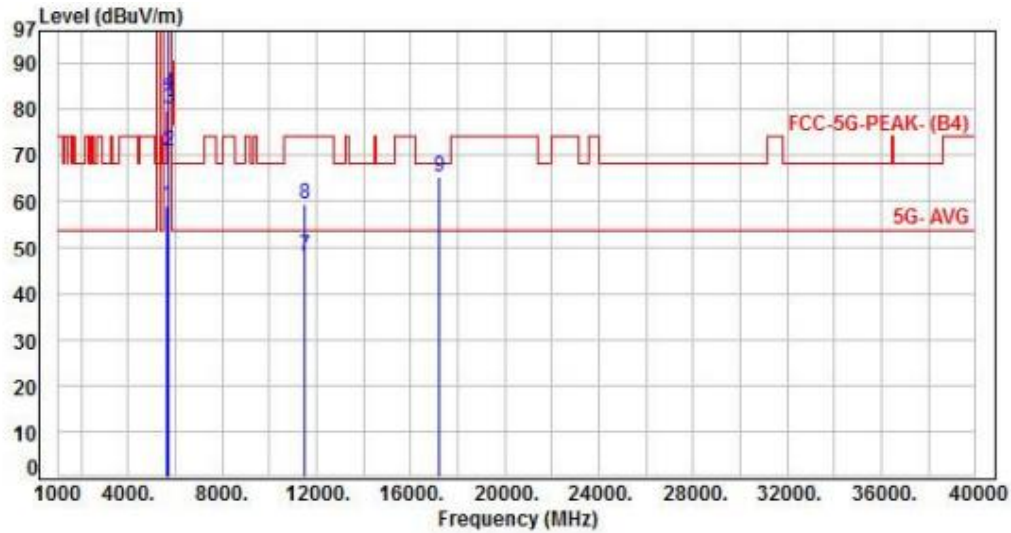


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.55	59.07	68.20	-9.13	Peak	100	32	P
2	5700.00	6.56	58.54	65.10	105.20	-40.10	Peak	100	32	P
3	5720.00	6.61	69.47	76.08	110.80	-34.72	Peak	100	32	P
4	5725.00	6.63	73.08	79.71	122.20	-42.49	Peak	100	32	P
5	5745.00	6.68	96.97	103.65	200.00	-96.35	Average	100	32	P
6	5745.00	6.68	109.89	116.57	200.00	-83.43	Peak	100	32	P
7	11490.00	15.08	35.77	50.85	54.00	-3.15	Average	231	42	P
8	11490.00	15.08	47.48	62.56	74.00	-11.44	Peak	231	42	P
9	17235.00	20.94	45.89	66.83	68.20	-1.37	Peak	105	19	P

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



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

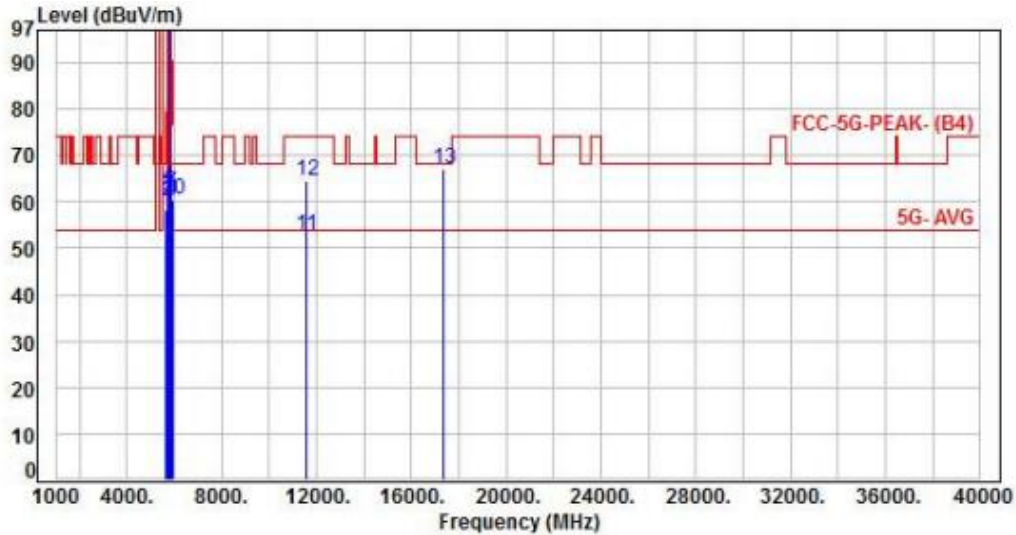


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.49	59.01	68.20	-9.19	Peak	100	25	P
2	5700.00	6.56	64.32	70.88	105.20	-34.32	Peak	100	25	P
3	5720.00	6.61	73.37	79.98	110.80	-30.82	Peak	100	25	P
4	5725.00	6.63	76.62	83.25	122.20	-38.95	Peak	100	25	P
5	5745.00	6.68	97.64	104.32	200.00	-95.68	Average	100	25	P
6	5745.00	6.68	109.62	116.30	200.00	-83.70	Peak	100	25	P
7	11490.00	15.08	33.25	48.33	54.00	-5.67	Average	100	336	P
8	11490.00	15.08	44.26	59.34	74.00	-14.66	Peak	100	336	P
9	17235.00	20.94	44.51	65.45	68.20	-2.75	Peak	100	16	P

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



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

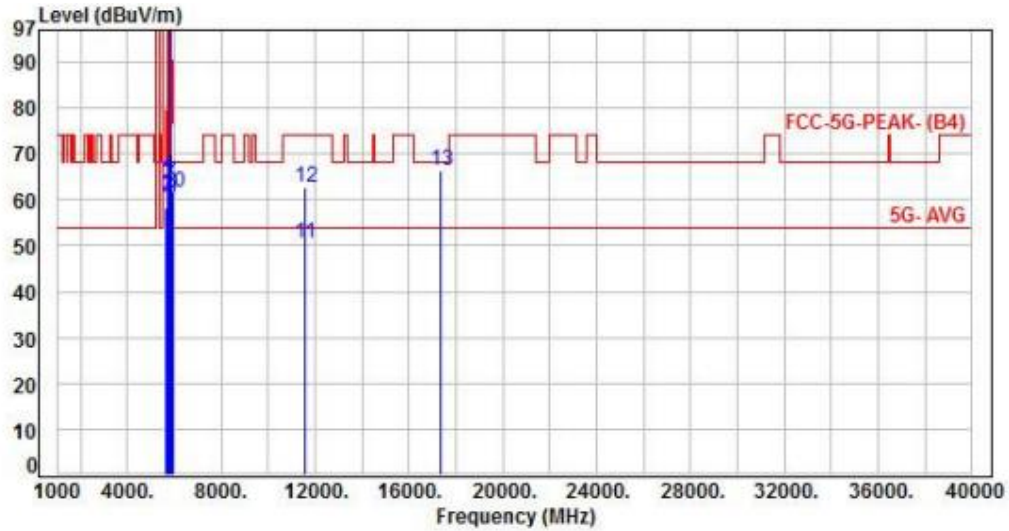


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	51.82	58.34	68.20	-9.86	Peak	227	38	P
2	5700.00	6.56	53.54	60.10	105.20	-45.10	Peak	227	38	P
3	5720.00	6.61	54.79	61.40	110.80	-49.40	Peak	227	38	P
4	5725.00	6.63	56.35	62.98	122.20	-59.22	Peak	227	38	P
5	5785.00	6.64	98.85	105.49	200.00	-94.51	Average	227	38	P
6	5785.00	6.64	111.32	117.96	200.00	-82.04	Peak	227	38	P
7	5850.00	6.76	55.08	61.84	122.20	-60.36	Peak	227	38	P
8	5855.00	6.78	54.04	60.82	110.80	-49.98	Peak	227	38	P
9	5875.00	6.83	53.39	60.22	105.20	-44.98	Peak	227	38	P
10	5925.00	6.97	53.35	60.32	68.20	-7.88	Peak	227	38	P
11	11570.00	15.32	37.44	52.76	54.00	-1.24	Average	221	42	P
12	11570.00	15.32	49.39	64.71	74.00	-9.29	Peak	221	42	P
13	17355.00	21.54	45.45	66.99	68.20	-1.21	Peak	100	21	P

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



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

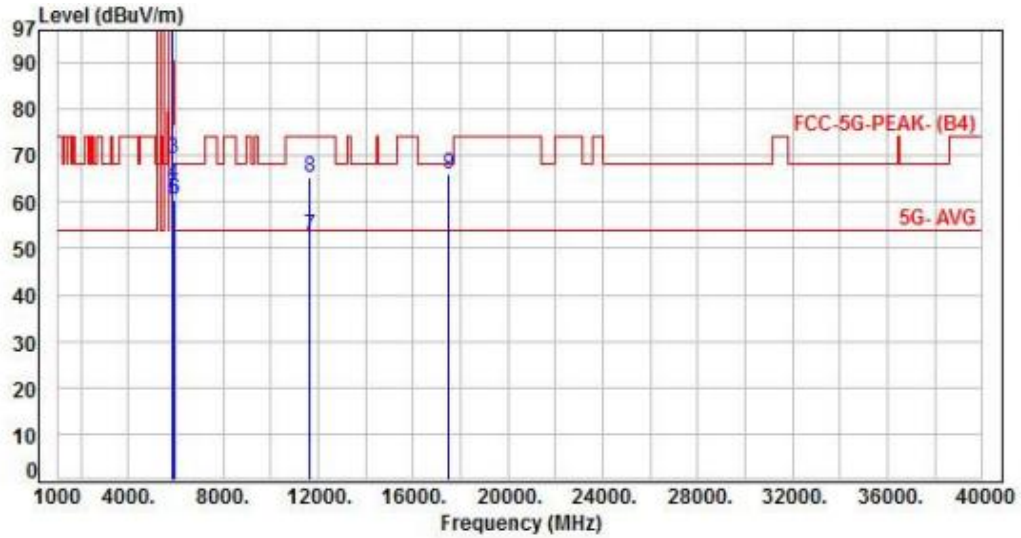


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	51.71	58.23	68.20	-9.97	Peak	100	23	P
2	5700.00	6.56	54.27	60.83	105.20	-44.37	Peak	100	23	P
3	5720.00	6.61	56.95	63.56	110.80	-47.24	Peak	100	23	P
4	5725.00	6.63	58.77	65.40	122.20	-56.80	Peak	100	23	P
5	5785.00	6.64	98.81	105.45	200.00	-94.55	Average	100	23	P
6	5785.00	6.64	111.83	118.47	200.00	-81.53	Peak	100	23	P
7	5850.00	6.76	57.18	63.94	122.20	-58.26	Peak	100	23	P
8	5855.00	6.78	54.85	61.63	110.80	-49.17	Peak	100	23	P
9	5875.00	6.83	53.34	60.17	105.20	-45.03	Peak	100	23	P
10	5925.00	6.97	54.75	61.72	68.20	-6.48	Peak	100	23	P
11	11570.00	15.32	35.15	50.47	54.00	-3.53	Average	100	307	P
12	11570.00	15.32	47.49	62.81	74.00	-11.19	Peak	100	307	P
13	17335.00	21.45	45.02	66.47	68.20	-1.73	Peak	100	15	P

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



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

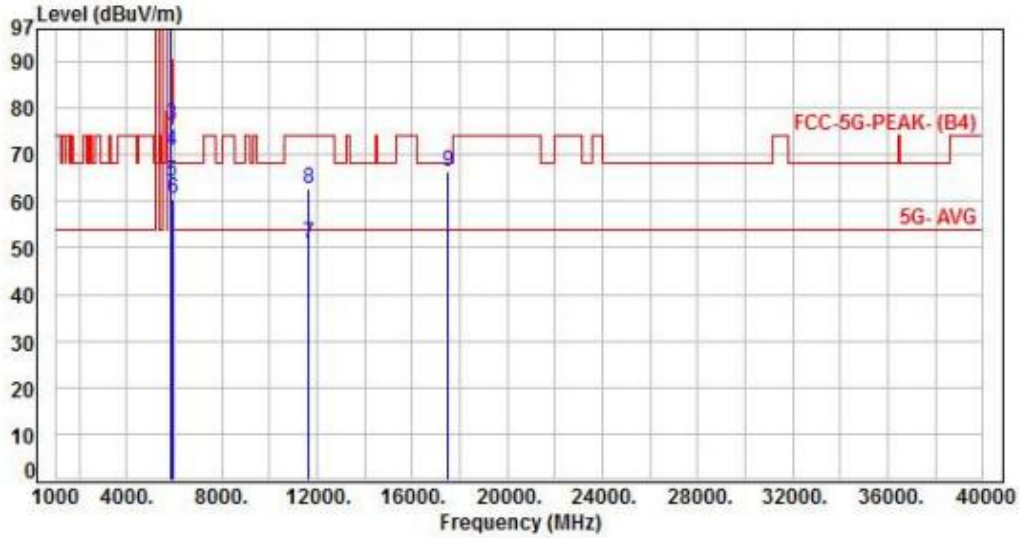


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.69	98.02	104.71	200.00	-95.29	Average	232	27	P
2	5825.00	6.69	109.84	116.53	200.00	-83.47	Peak	232	27	P
3	5850.00	6.76	62.64	69.40	122.20	-52.80	Peak	232	27	P
4	5855.00	6.78	57.04	63.82	110.80	-46.98	Peak	232	27	P
5	5875.00	6.83	53.82	60.65	105.20	-44.55	Peak	232	27	P
6	5925.00	6.97	53.69	60.66	68.20	-7.54	Peak	232	27	P
7	11650.00	15.44	37.26	52.70	54.00	-1.30	Average	207	39	P
8	11650.00	15.44	49.85	65.29	74.00	-8.71	Peak	207	39	P
9	17475.00	22.45	43.55	66.00	68.20	-2.20	Peak	100	5	P

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



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

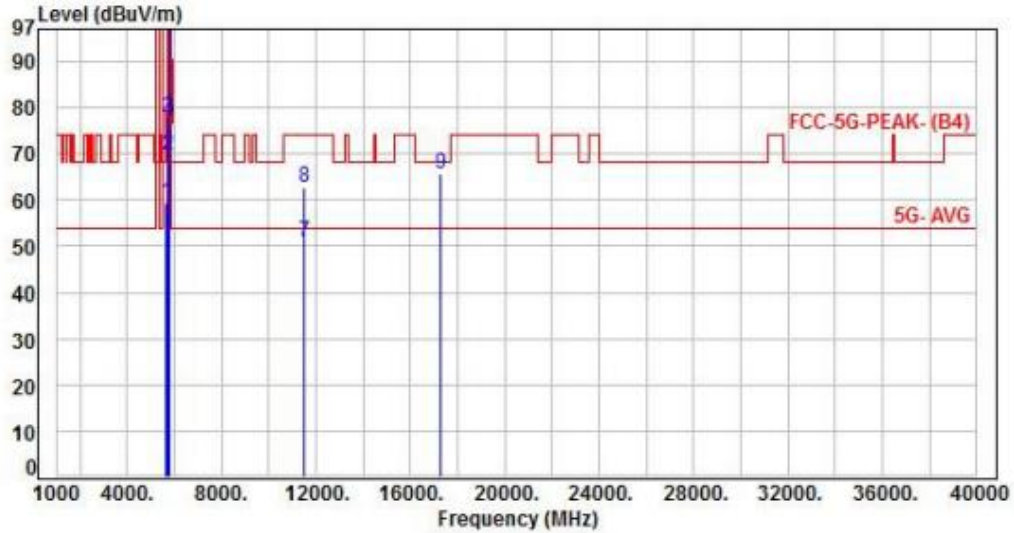


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.69	98.21	104.90	200.00	-95.10	Average	100	20	P
2	5825.00	6.69	111.03	117.72	200.00	-82.28	Peak	100	20	P
3	5850.00	6.76	69.74	76.50	122.20	-45.70	Peak	100	20	P
4	5855.00	6.78	64.04	70.82	110.80	-39.98	Peak	100	20	P
5	5875.00	6.83	57.46	64.29	105.20	-40.91	Peak	100	20	P
6	5925.00	6.97	53.41	60.38	68.20	-7.82	Peak	100	20	P
7	11650.00	15.44	35.36	50.80	54.00	-3.20	Average	100	308	P
8	11650.00	15.44	47.16	62.60	74.00	-11.40	Peak	100	308	P
9	17475.00	22.45	43.76	66.21	68.20	-1.99	Peak	100	12	P

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



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

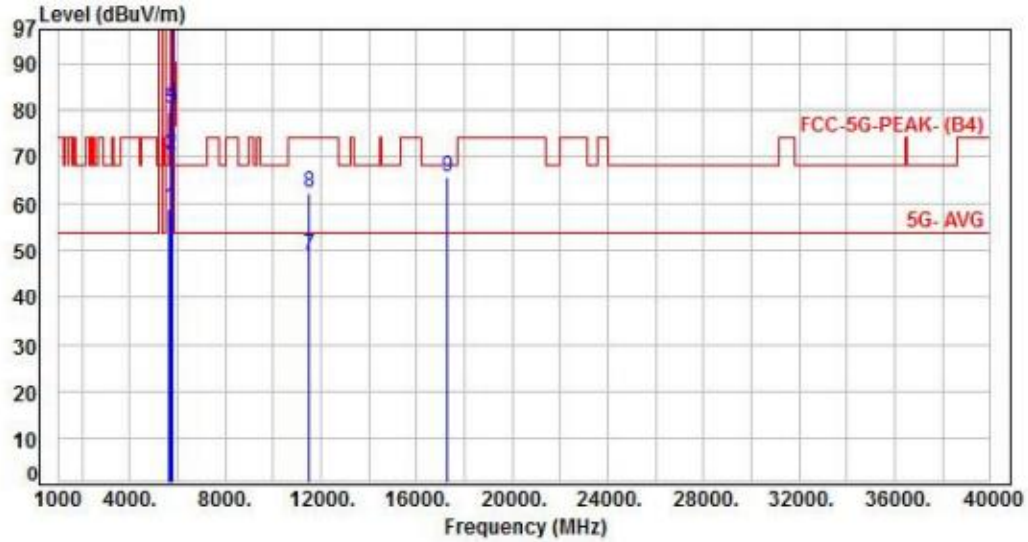


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.68	59.20	68.20	-9.00	Peak	231	37	P
2	5700.00	6.56	62.98	69.54	105.20	-35.66	Peak	231	37	P
3	5720.00	6.61	71.27	77.88	110.80	-32.92	Peak	231	37	P
4	5725.00	6.63	70.55	77.18	122.20	-45.02	Peak	231	37	P
5	5755.00	6.68	96.47	103.15	200.00	-96.85	Average	231	37	P
6	5755.00	6.68	107.76	114.44	200.00	-85.56	Peak	231	37	P
7	11510.00	15.14	35.75	50.89	54.00	-3.11	Average	100	39	P
8	11510.00	15.14	47.61	62.75	74.00	-11.25	Peak	100	39	P
9	17265.00	21.10	44.42	65.52	68.20	-2.68	Peak	100	17	P

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



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

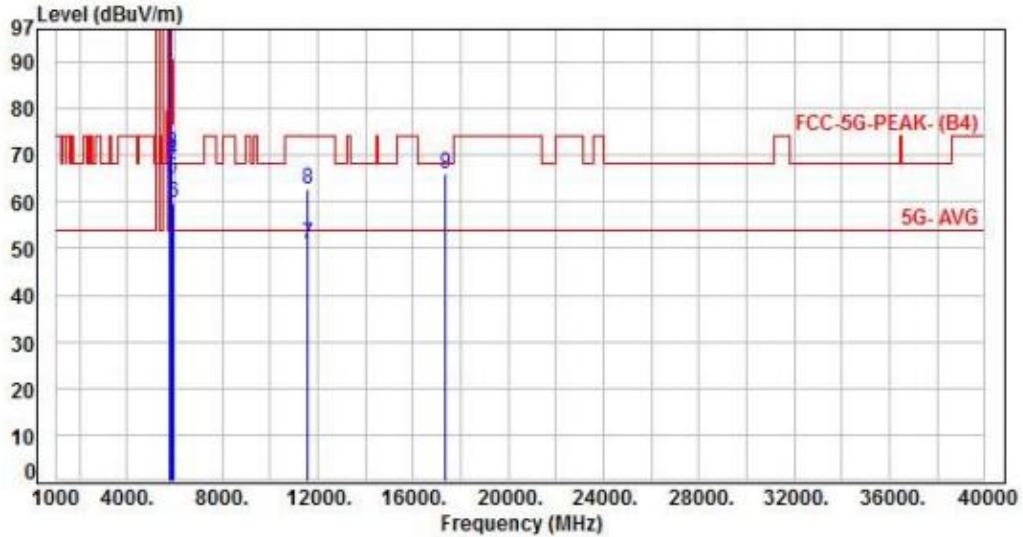


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	52.58	59.10	68.20	-9.10	Peak	100	21	P
2	5700.00	6.56	63.77	70.33	105.20	-34.87	Peak	100	21	P
3	5720.00	6.61	73.97	80.58	110.80	-30.22	Peak	100	21	P
4	5725.00	6.63	74.34	80.97	122.20	-41.23	Peak	100	21	P
5	5755.00	6.68	96.23	102.91	200.00	-97.09	Average	100	21	P
6	5755.00	6.68	108.27	114.95	200.00	-85.05	Peak	100	21	P
7	11510.00	15.14	33.83	48.97	54.00	-5.03	Average	100	304	P
8	11510.00	15.14	47.07	62.21	74.00	-11.79	Peak	100	304	P
9	17265.00	21.10	44.69	65.79	68.20	-2.41	Peak	100	12	P

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



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

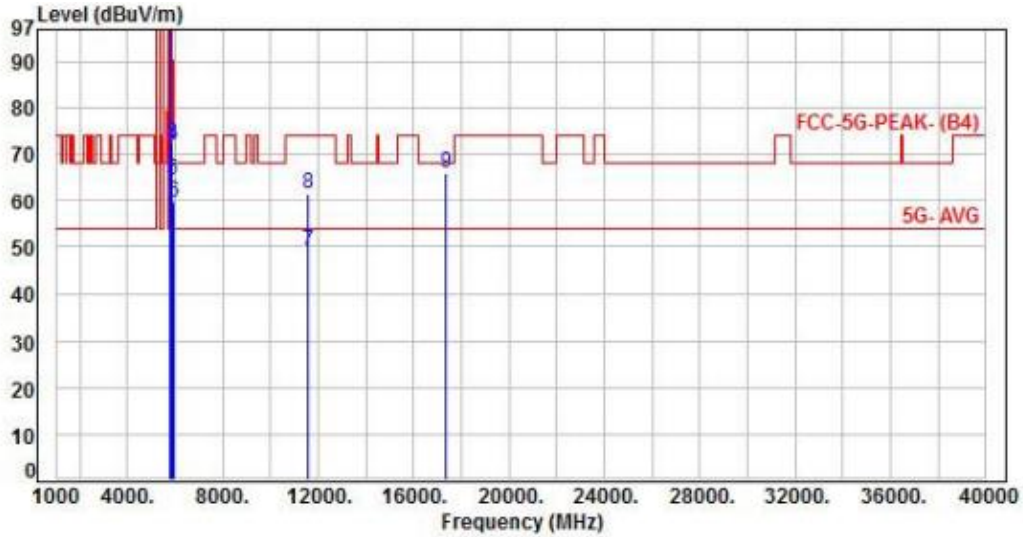


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	6.63	95.25	101.88	200.00	-98.12	Average	100	48	P
2	5795.00	6.63	107.11	113.74	200.00	-86.26	Peak	100	48	P
3	5850.00	6.76	63.78	70.54	122.20	-51.66	Peak	100	48	P
4	5855.00	6.78	62.01	68.79	110.80	-42.01	Peak	100	48	P
5	5875.00	6.83	58.05	64.88	105.20	-40.32	Peak	100	48	P
6	5925.00	6.97	52.77	59.74	68.20	-8.46	Peak	100	48	P
7	11590.00	15.37	35.39	50.76	54.00	-3.24	Average	100	38	P
8	11590.00	15.37	47.39	62.76	74.00	-11.24	Peak	100	38	P
9	17385.00	21.67	44.36	66.03	68.20	-2.17	Peak	100	5	P

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



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

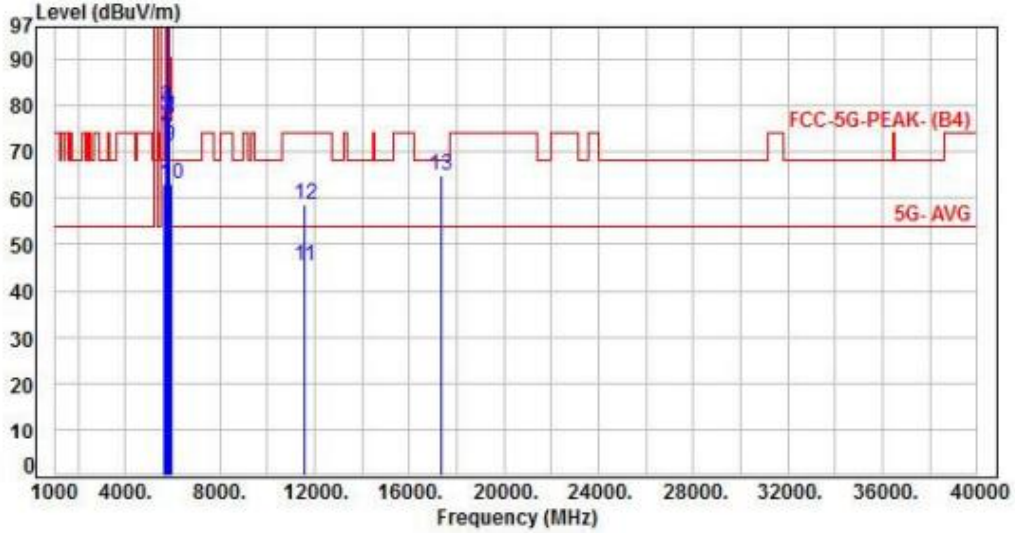


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5795.00	6.63	96.42	103.05	200.00	-96.95	Average	100	21	P
2	5795.00	6.63	107.64	114.27	200.00	-85.73	Peak	100	21	P
3	5850.00	6.76	65.53	72.29	122.20	-49.91	Peak	100	21	P
4	5855.00	6.78	65.18	71.96	110.80	-38.84	Peak	100	21	P
5	5875.00	6.83	57.60	64.43	105.20	-40.77	Peak	100	21	P
6	5925.00	6.97	52.84	59.81	68.20	-8.39	Peak	100	21	P
7	11590.00	15.37	33.70	49.07	54.00	-4.93	Average	100	306	P
8	11590.00	15.37	46.34	61.71	74.00	-12.29	Peak	100	306	P
9	17385.00	21.67	44.28	65.95	68.20	-2.25	Peak	100	15	P

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



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

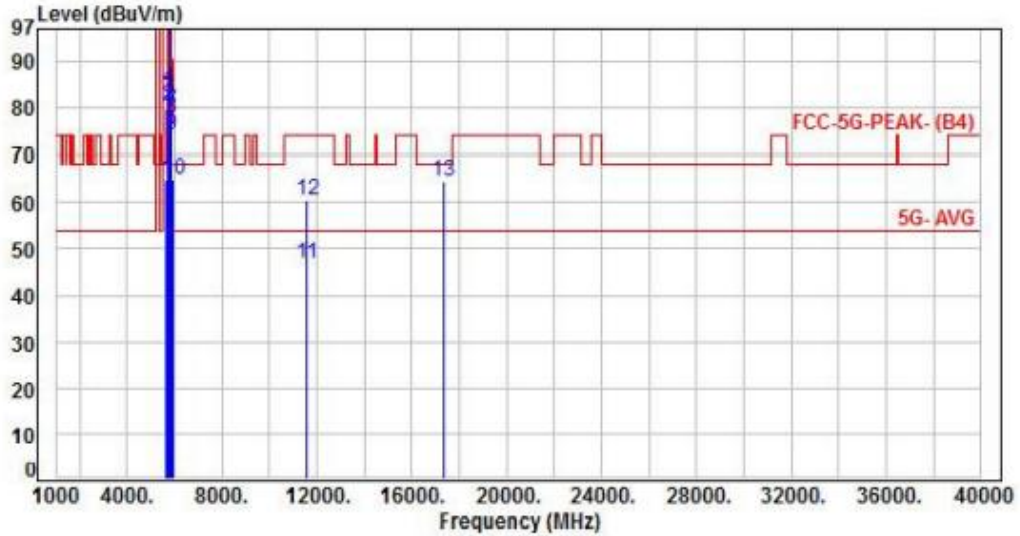


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	56.51	63.03	68.20	-5.17	Peak	152	23	P
2	5700.00	6.56	69.11	75.67	105.20	-29.53	Peak	152	23	P
3	5720.00	6.61	73.17	79.78	110.80	-31.02	Peak	152	23	P
4	5725.00	6.63	73.12	79.75	122.20	-42.45	Peak	152	23	P
5	5775.00	6.65	93.35	100.00	200.00	-100.00	Average	152	23	P
6	5775.00	6.65	104.37	111.02	200.00	-88.98	Peak	152	23	P
7	5850.00	6.76	70.70	77.46	122.20	-44.74	Peak	152	23	P
8	5855.00	6.78	70.44	77.22	110.80	-33.58	Peak	152	23	P
9	5875.00	6.83	64.50	71.33	105.20	-33.87	Peak	152	23	P
10	5925.00	6.97	56.18	63.15	68.20	-5.05	Peak	152	23	P
11	11550.00	15.26	30.29	45.55	54.00	-8.45	Average	100	20	P
12	11550.00	15.26	43.53	58.79	74.00	-15.21	Peak	100	20	P
13	17325.00	21.41	43.59	65.00	68.20	-3.20	Peak	100	1	P

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



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

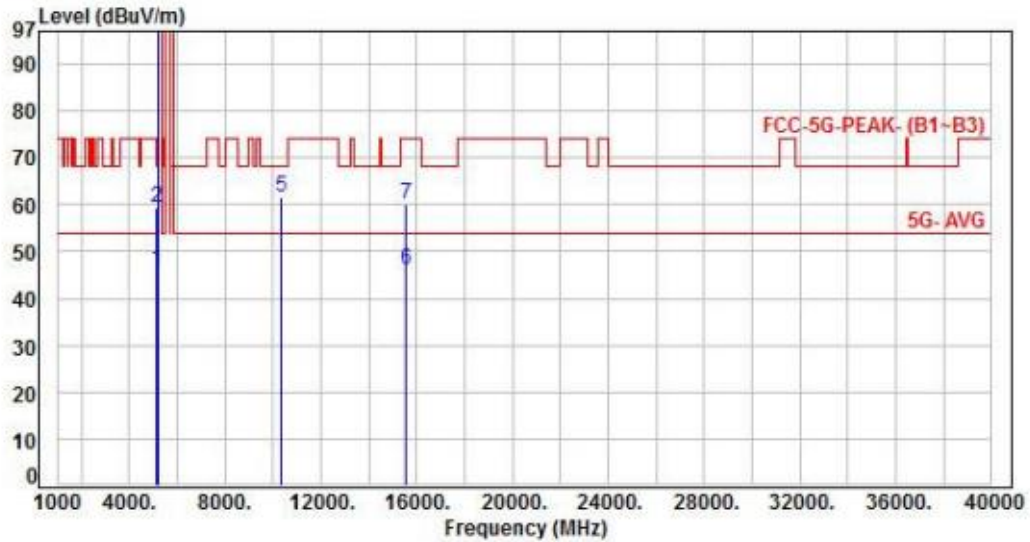


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.52	58.38	64.90	68.20	-3.30	Peak	100	22	P
2	5700.00	6.56	73.73	80.29	105.20	-24.91	Peak	100	22	P
3	5720.00	6.61	75.82	82.43	110.80	-28.37	Peak	100	22	P
4	5725.00	6.63	77.45	84.08	122.20	-38.12	Peak	100	22	P
5	5775.00	6.65	93.47	100.12	200.00	-99.88	Average	100	22	P
6	5775.00	6.65	105.09	111.74	200.00	-88.26	Peak	100	22	P
7	5850.00	6.76	72.59	79.35	122.20	-42.85	Peak	100	22	P
8	5855.00	6.78	70.92	77.70	110.80	-33.10	Peak	100	22	P
9	5875.00	6.83	67.20	74.03	105.20	-31.17	Peak	100	22	P
10	5925.00	6.97	57.79	64.76	68.20	-3.44	Peak	100	22	P
11	11550.00	15.26	31.53	46.79	54.00	-7.21	Average	100	303	P
12	11550.00	15.26	45.20	60.46	74.00	-13.54	Peak	100	303	P
13	17325.00	21.41	43.20	64.61	68.20	-3.59	Peak	100	17	P

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



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

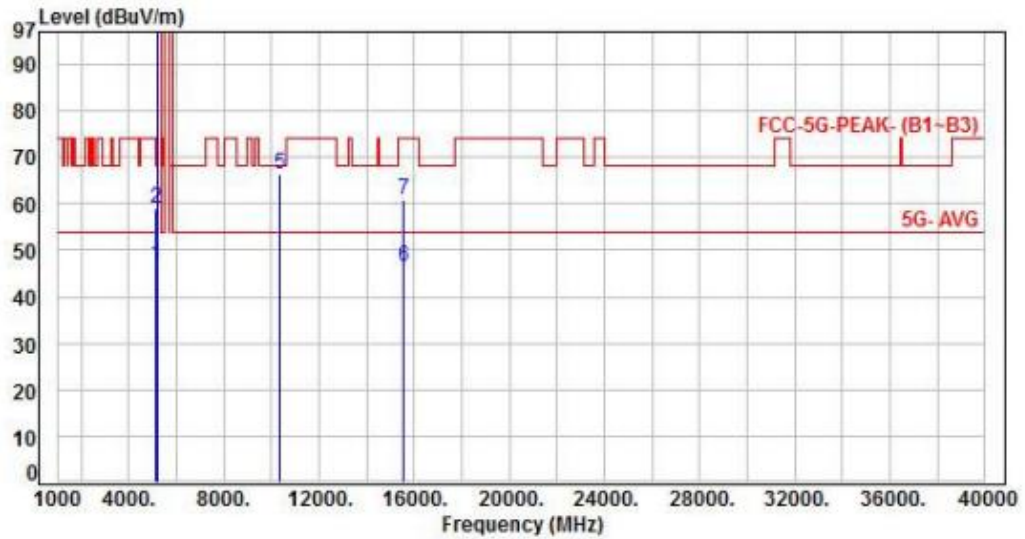


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	39.78	45.99	54.00	-8.01	Average	100	0	P
2	5150.00	6.21	53.05	59.26	74.00	-14.74	Peak	100	0	P
3	5180.00	6.35	94.64	100.99	200.00	-99.01	Average	100	0	P
4	5180.00	6.35	107.57	113.92	200.00	-86.08	Peak	100	0	P
5	10360.00	13.59	48.05	61.64	68.20	-6.56	Peak	114	5	P
6	15540.00	17.41	28.87	46.28	54.00	-7.72	Average	100	15	P
7	15540.00	17.41	42.77	60.18	74.00	-13.82	Peak	100	15	P

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



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

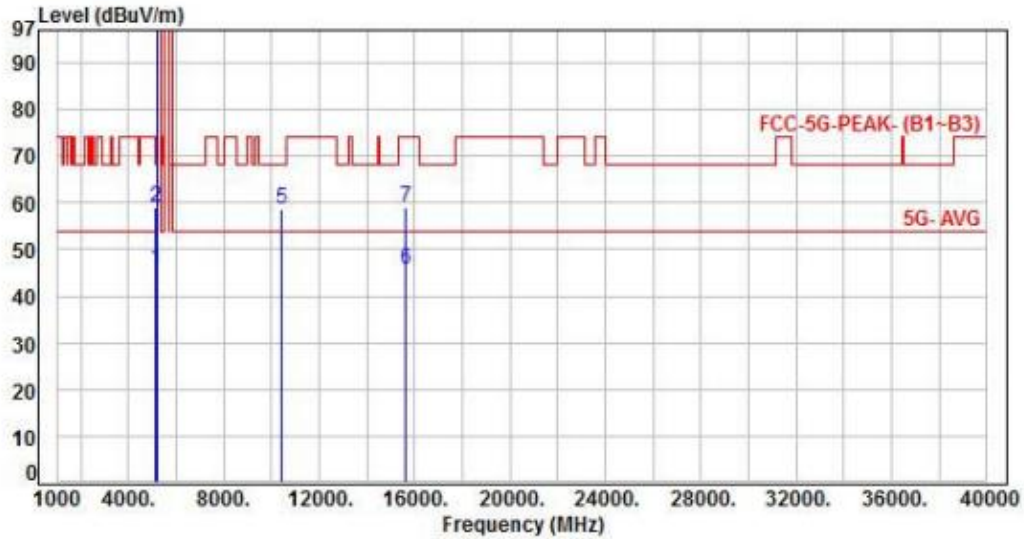


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	40.50	46.71	54.00	-7.29	Average	100	30	P
2	5150.00	6.21	52.64	58.85	74.00	-15.15	Peak	100	30	P
3	5180.00	6.35	95.95	102.30	200.00	-97.70	Average	100	30	P
4	5180.00	6.35	108.48	114.83	200.00	-85.17	Peak	100	30	P
5	10360.00	13.59	52.86	66.45	68.20	-1.75	Peak	100	25	P
6	15540.00	17.41	28.94	46.35	54.00	-7.65	Average	100	23	P
7	15540.00	17.41	43.44	60.85	74.00	-13.15	Peak	100	23	P

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



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

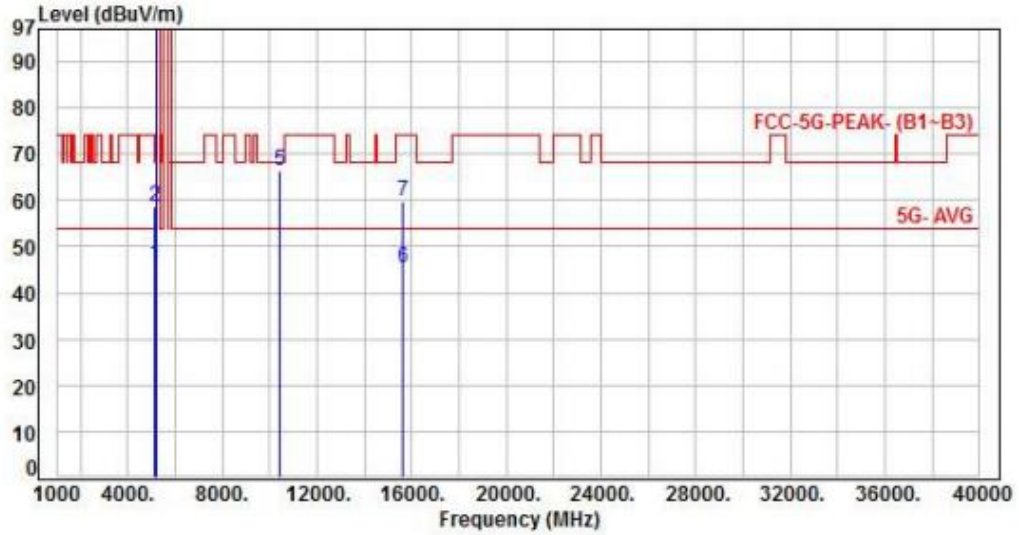


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	39.41	45.62	54.00	-8.38	Average	100	0	P
2	5150.00	6.21	52.66	58.87	74.00	-15.13	Peak	100	0	P
3	5200.00	6.44	93.97	100.41	200.00	-99.59	Average	100	0	P
4	5200.00	6.44	107.36	113.80	200.00	-86.20	Peak	100	0	P
5	10400.00	13.67	44.81	58.48	68.20	-9.72	Peak	100	357	P
6	15600.00	17.03	28.61	45.64	54.00	-8.36	Average	271	41	P
7	15600.00	17.03	41.87	58.90	74.00	-15.10	Peak	271	41	P

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



Power	:	DC 12V From Adapter (AC 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	6.21	39.77	45.98	54.00	-8.02	Average	123	337	P
2	5150.00	6.21	52.33	58.54	74.00	-15.46	Peak	123	337	P
3	5200.00	6.44	97.99	104.43	200.00	-95.57	Average	123	337	P
4	5200.00	6.44	110.54	116.98	200.00	-83.02	Peak	123	337	P
5	10400.00	13.67	52.87	66.54	68.20	-1.66	Peak	130	359	P
6	15600.00	17.03	28.52	45.55	54.00	-8.45	Average	100	33	P
7	15600.00	17.03	42.58	59.61	74.00	-14.39	Peak	100	33	P

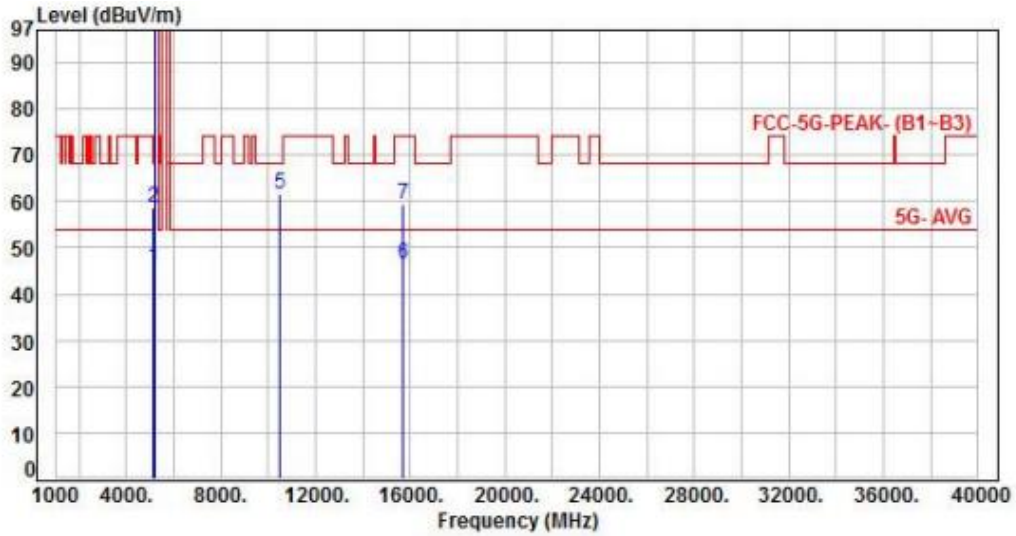
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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

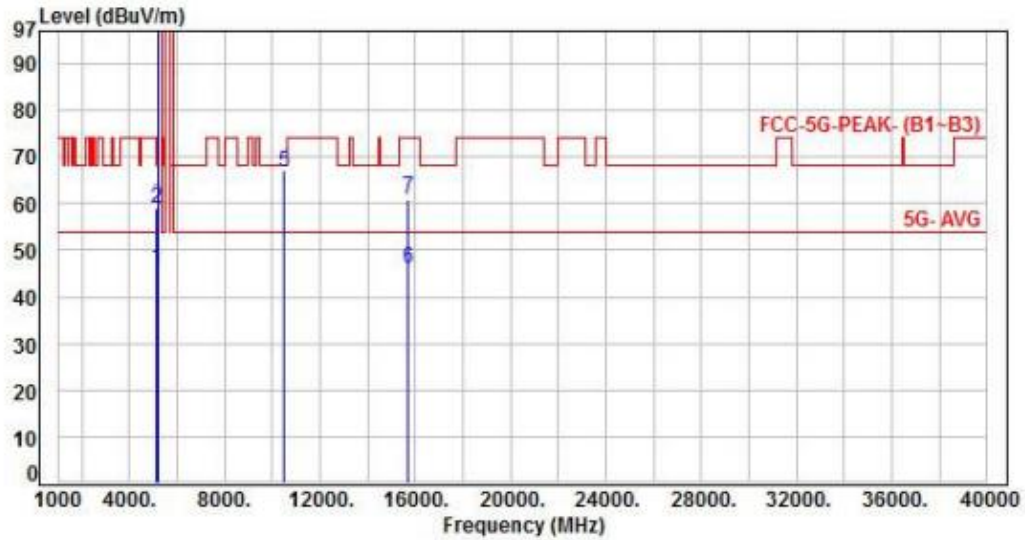


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	39.43	45.64	54.00	-8.36	Average	334	56	P
2	5150.00	6.21	52.36	58.57	74.00	-15.43	Peak	334	56	P
3	5240.00	6.40	95.97	102.37	200.00	-97.63	Average	334	56	P
4	5240.00	6.40	109.15	115.55	200.00	-84.45	Peak	334	56	P
5	10480.00	13.79	47.77	61.56	68.20	-6.64	Peak	122	5	P
6	15720.00	16.80	29.61	46.41	54.00	-7.59	Average	123	360	P
7	15720.00	16.80	42.64	59.44	74.00	-14.56	Peak	123	360	P

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



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

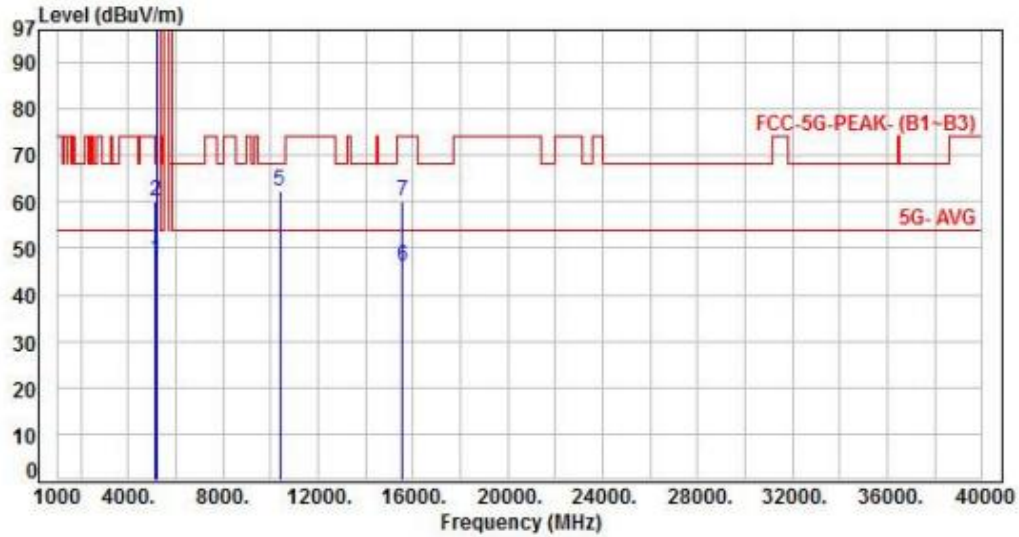


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	39.73	45.94	54.00	-8.06	Average	177	337	P
2	5150.00	6.21	52.77	58.98	74.00	-15.02	Peak	177	337	P
3	5240.00	6.40	96.54	102.94	200.00	-97.06	Average	177	337	P
4	5240.00	6.40	109.90	116.30	200.00	-83.70	Peak	177	337	P
5	10480.00	13.79	52.99	66.78	68.20	-1.42	Peak	100	359	P
6	15720.00	16.80	29.48	46.28	54.00	-7.72	Average	200	0	P
7	15720.00	16.80	44.14	60.94	74.00	-13.06	Peak	200	0	P

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



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

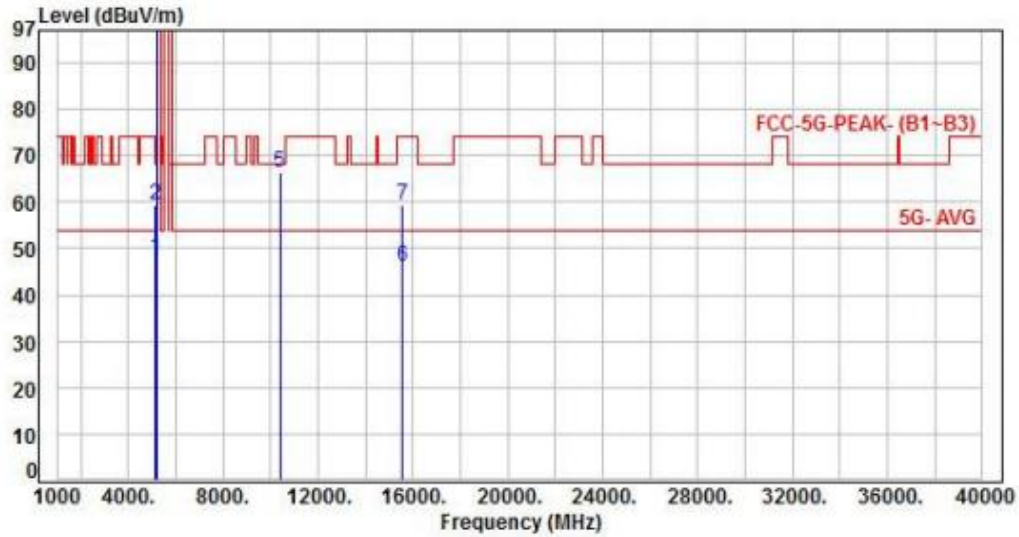


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	41.24	47.45	54.00	-6.55	Average	112	0	P
2	5150.00	6.21	53.77	59.98	74.00	-14.02	Peak	112	0	P
3	5190.00	6.40	92.15	98.55	200.00	-101.45	Average	112	0	P
4	5190.00	6.40	105.38	111.78	200.00	-88.22	Peak	112	0	P
5	10380.00	13.64	48.76	62.40	68.20	-5.80	Peak	128	3	P
6	15570.00	17.22	28.97	46.19	54.00	-7.81	Average	100	299	P
7	15570.00	17.22	42.77	59.99	74.00	-14.01	Peak	100	299	P

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



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

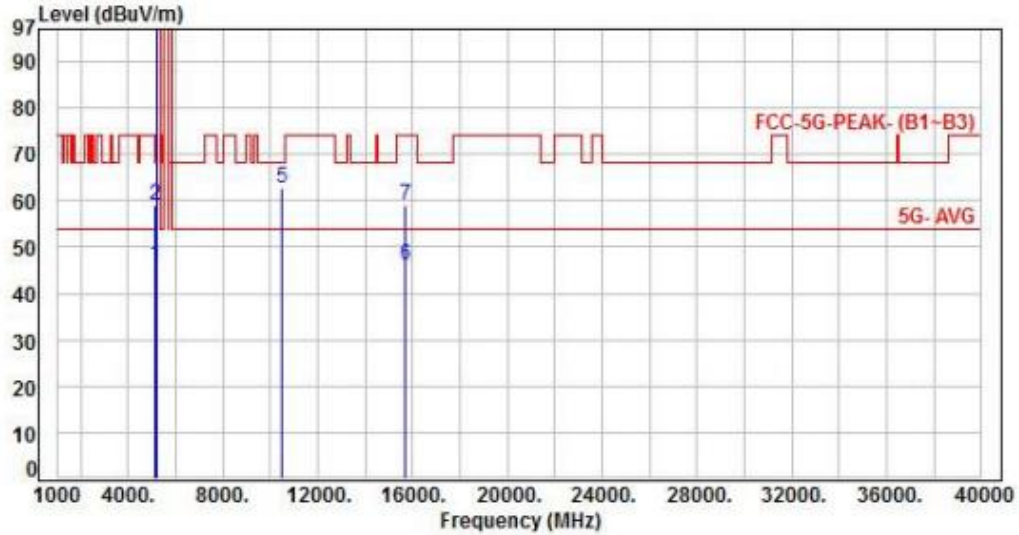


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	41.84	48.05	54.00	-5.95	Average	133	335	P
2	5150.00	6.21	53.11	59.32	74.00	-14.68	Peak	133	335	P
3	5190.00	6.40	96.52	102.92	200.00	-97.08	Average	133	335	P
4	5190.00	6.40	108.43	114.83	200.00	-85.17	Peak	133	335	P
5	10380.00	13.64	52.58	66.22	68.20	-1.98	Peak	117	360	P
6	15570.00	17.22	28.89	46.11	54.00	-7.89	Average	100	13	P
7	15570.00	17.22	42.14	59.36	74.00	-14.64	Peak	100	13	P

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



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

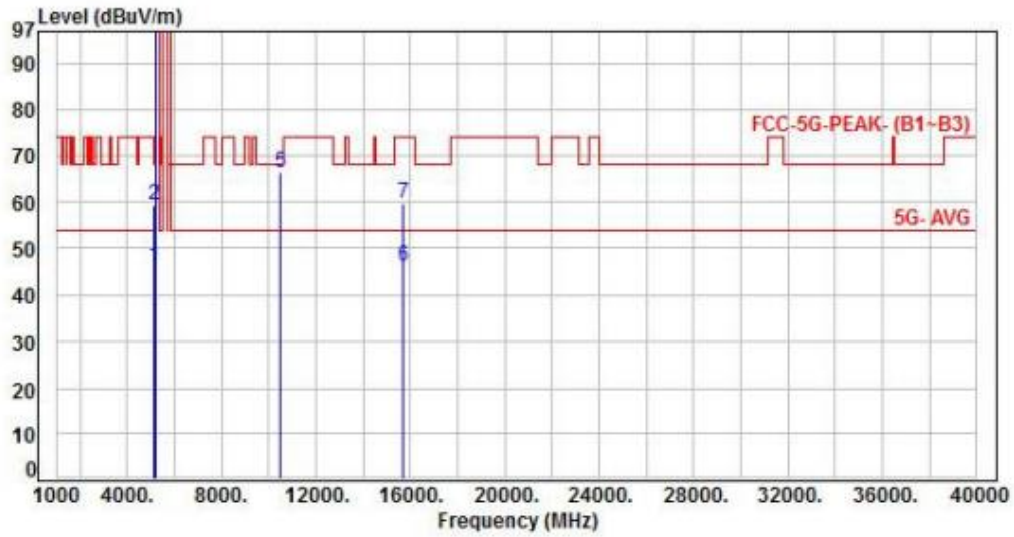


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	40.04	46.25	54.00	-7.75	Average	334	27	P
2	5150.00	6.21	52.81	59.02	74.00	-14.98	Peak	334	27	P
3	5230.00	6.42	95.04	101.46	200.00	-98.54	Average	334	27	P
4	5230.00	6.42	108.32	114.74	200.00	-85.26	Peak	334	27	P
5	10460.00	13.76	48.86	62.62	68.20	-5.58	Peak	100	355	P
6	15690.00	16.91	29.35	46.26	54.00	-7.74	Average	100	357	P
7	15690.00	16.91	42.15	59.06	74.00	-14.94	Peak	100	357	P

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



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

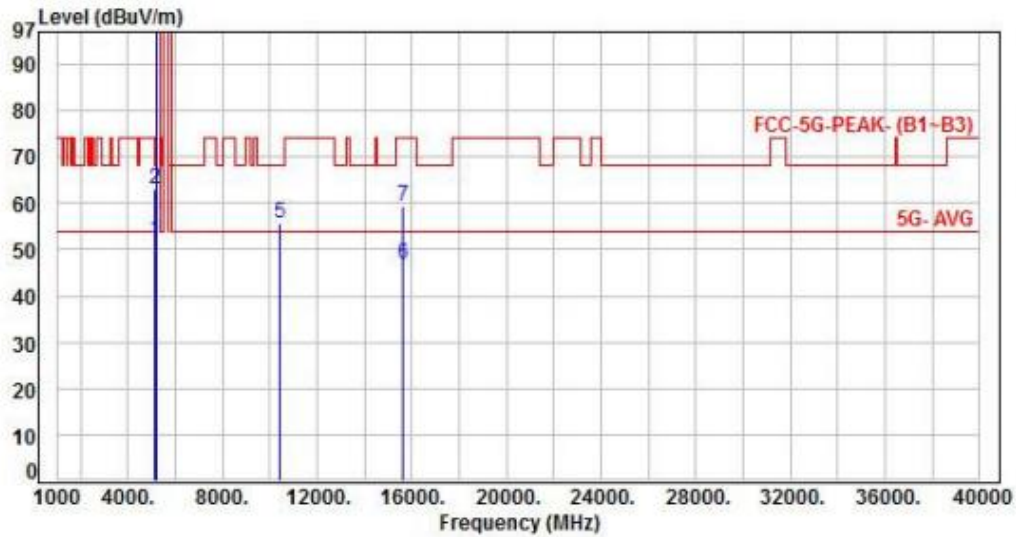


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	39.92	46.13	54.00	-7.87	Average	186	334	P
2	5150.00	6.21	53.05	59.26	74.00	-14.74	Peak	186	334	P
3	5230.00	6.42	94.22	100.64	200.00	-99.36	Average	186	334	P
4	5230.00	6.42	107.06	113.48	200.00	-86.52	Peak	186	334	P
5	10460.00	13.76	52.50	66.26	68.20	-1.94	Peak	100	360	P
6	15690.00	16.91	29.37	46.28	54.00	-7.72	Average	100	12	P
7	15690.00	16.91	43.02	59.93	74.00	-14.07	Peak	100	12	P

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



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

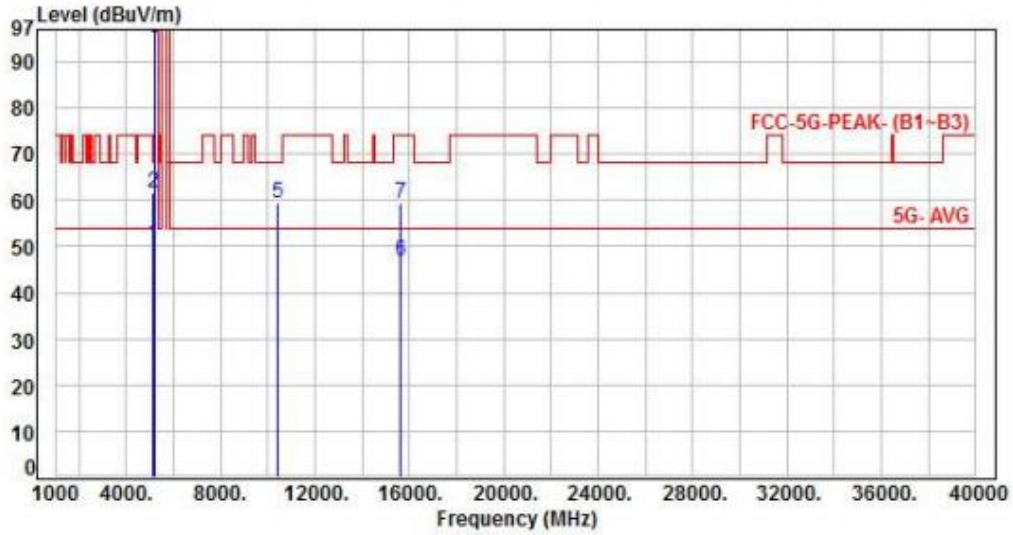


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	45.95	52.16	54.00	-1.84	Average	187	44	P
2	5150.00	6.21	56.89	63.10	74.00	-10.90	Peak	187	44	P
3	5210.00	6.44	90.22	96.66	200.00	-103.34	Average	187	44	P
4	5210.00	6.44	102.82	109.26	200.00	-90.74	Peak	187	44	P
5	10420.00	13.70	41.96	55.66	68.20	-12.54	Peak	100	16	P
6	15630.00	16.98	29.79	46.77	54.00	-7.23	Average	100	339	P
7	15630.00	16.98	42.56	59.54	74.00	-14.46	Peak	100	339	P

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



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

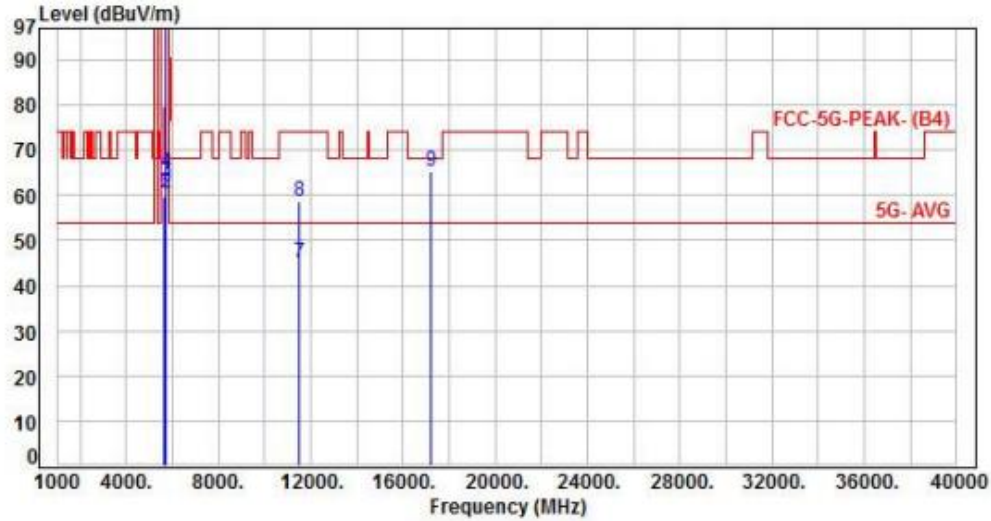


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.21	44.49	50.70	54.00	-3.30	Average	100	333	P
2	5150.00	6.21	55.42	61.63	74.00	-12.37	Peak	100	333	P
3	5210.00	6.44	88.81	95.25	200.00	-104.75	Average	100	333	P
4	5210.00	6.44	100.42	106.86	200.00	-93.14	Peak	100	333	P
5	10420.00	13.70	45.80	59.50	68.20	-8.70	Peak	100	360	P
6	15630.00	16.98	29.98	46.96	54.00	-7.04	Average	100	23	P
7	15630.00	16.98	42.55	59.53	74.00	-14.47	Peak	100	23	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH149		:

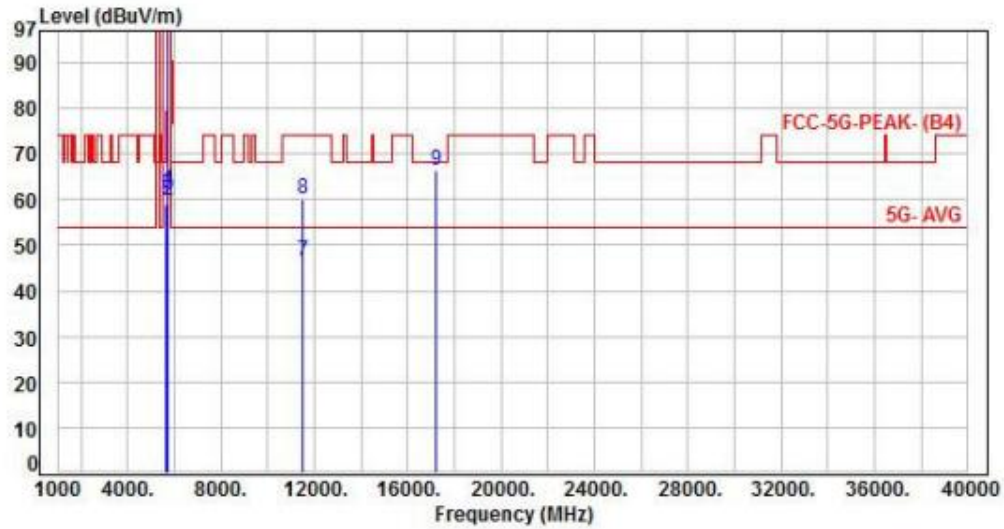


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.72	53.06	59.78	68.20	-8.42	Peak	130	32	P
2	5700.00	6.86	53.54	60.40	105.20	-44.80	Peak	130	32	P
3	5720.00	6.87	56.02	62.89	110.80	-47.91	Peak	130	32	P
4	5725.00	6.88	57.94	64.82	122.20	-57.38	Peak	130	32	P
5	5745.00	6.89	95.70	102.59	200.00	-97.41	Average	130	32	P
6	5745.00	6.89	108.60	115.49	200.00	-84.51	Peak	130	32	P
7	11490.00	15.37	29.47	44.84	54.00	-9.16	Average	261	3	P
8	11490.00	15.37	43.44	58.81	74.00	-15.19	Peak	261	3	P
9	17235.00	21.48	43.92	65.40	68.20	-2.80	Peak	100	26	P

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



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5, Band 4, CH149		:	

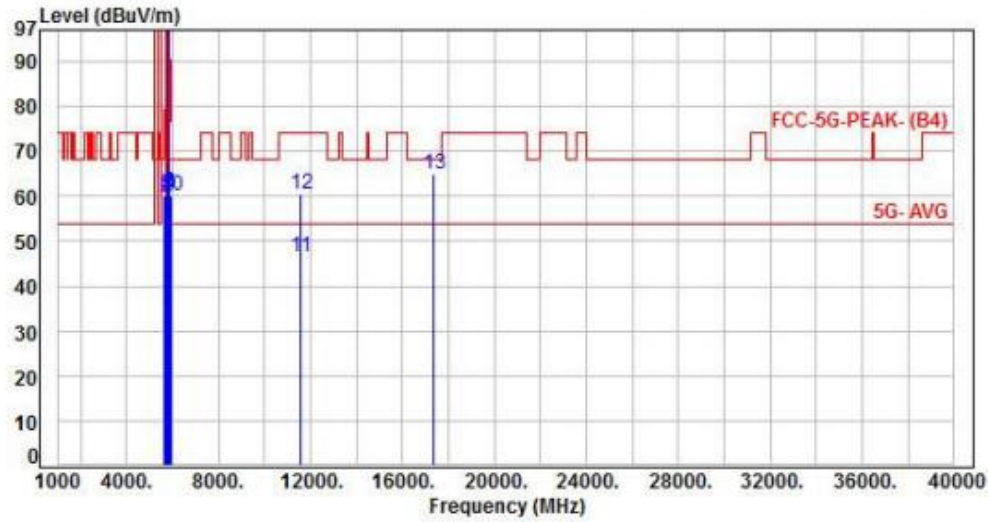


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.72	52.45	59.17	68.20	-9.03	Peak	100	43	P
2	5700.00	6.86	52.95	59.81	105.20	-45.39	Peak	100	43	P
3	5720.00	6.87	54.48	61.35	110.80	-49.45	Peak	100	43	P
4	5725.00	6.88	55.10	61.98	122.20	-60.22	Peak	100	43	P
5	5745.00	6.89	98.41	105.30	200.00	-94.70	Average	100	43	P
6	5745.00	6.89	111.56	118.45	200.00	-81.55	Peak	100	43	P
7	11490.00	15.37	31.13	46.50	54.00	-7.50	Average	108	82	P
8	11490.00	15.37	44.72	60.09	74.00	-13.91	Peak	108	82	P
9	17235.00	21.48	44.76	66.24	68.20	-1.96	Peak	127	25	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH157		:

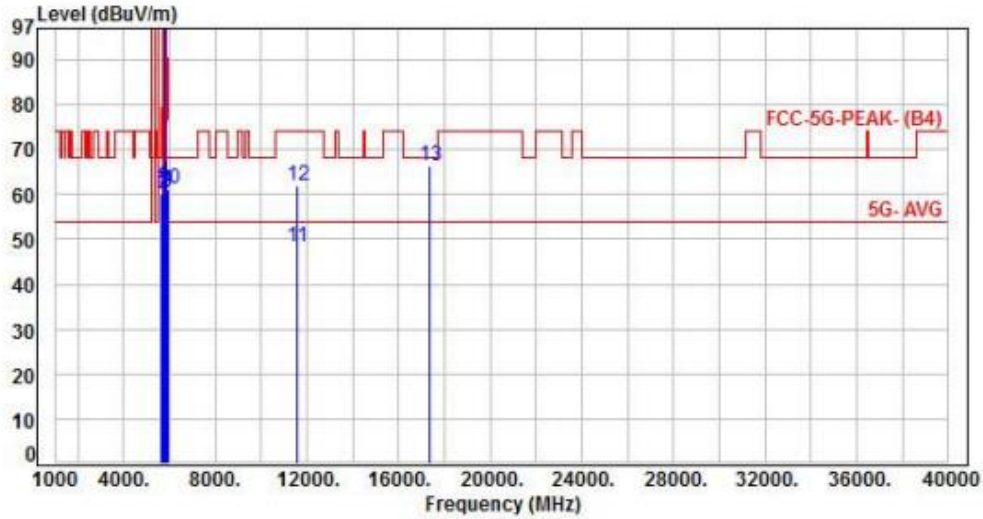


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.72	53.33	60.05	68.20	-8.15	Peak	133	34	P
2	5700.00	6.86	52.84	59.70	105.20	-45.50	Peak	133	34	P
3	5720.00	6.87	53.48	60.35	110.80	-50.45	Peak	133	34	P
4	5725.00	6.88	53.13	60.01	122.20	-62.19	Peak	133	34	P
5	5785.00	6.91	96.73	103.64	200.00	-96.36	Average	133	34	P
6	5785.00	6.91	109.92	116.83	200.00	-83.17	Peak	133	34	P
7	5850.00	6.86	53.62	60.48	122.20	-61.72	Peak	133	34	P
8	5855.00	6.90	54.13	61.03	110.80	-49.77	Peak	133	34	P
9	5875.00	7.03	52.98	60.01	105.20	-45.19	Peak	133	34	P
10	5925.00	7.22	52.93	60.15	68.20	-8.05	Peak	133	34	P
11	11570.00	15.62	31.00	46.62	54.00	-7.38	Average	100	360	P
12	11570.00	15.62	45.02	60.64	74.00	-13.36	Peak	100	360	P
13	17355.00	22.00	42.86	64.86	68.20	-3.34	Peak	100	42	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 4, CH157		

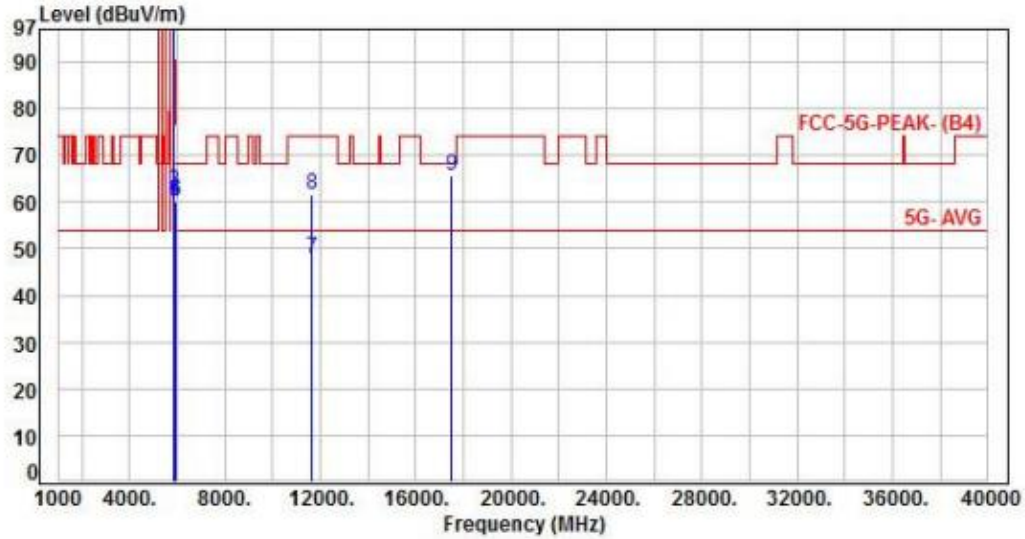


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.72	53.24	59.96	68.20	-8.24	Peak	154	14	P
2	5700.00	6.86	53.13	59.99	105.20	-45.21	Peak	154	14	P
3	5720.00	6.87	54.20	61.07	110.80	-49.73	Peak	154	14	P
4	5725.00	6.88	55.95	62.83	122.20	-59.37	Peak	154	14	P
5	5785.00	6.91	98.67	105.58	200.00	-94.42	Average	154	14	P
6	5785.00	6.91	111.61	118.52	200.00	-81.48	Peak	154	14	P
7	5850.00	6.86	54.03	60.89	122.20	-61.31	Peak	154	14	P
8	5855.00	6.90	53.75	60.65	110.80	-50.15	Peak	154	14	P
9	5875.00	7.03	53.28	60.31	105.20	-44.89	Peak	154	14	P
10	5925.00	7.22	54.02	61.24	68.20	-6.96	Peak	154	14	P
11	11570.00	15.62	32.70	48.32	54.00	-5.68	Average	154	358	P
12	11570.00	15.62	46.28	61.90	74.00	-12.10	Peak	154	358	P
13	17355.00	22.00	44.37	66.37	68.20	-1.83	Peak	127	28	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, Band 4, CH165		:

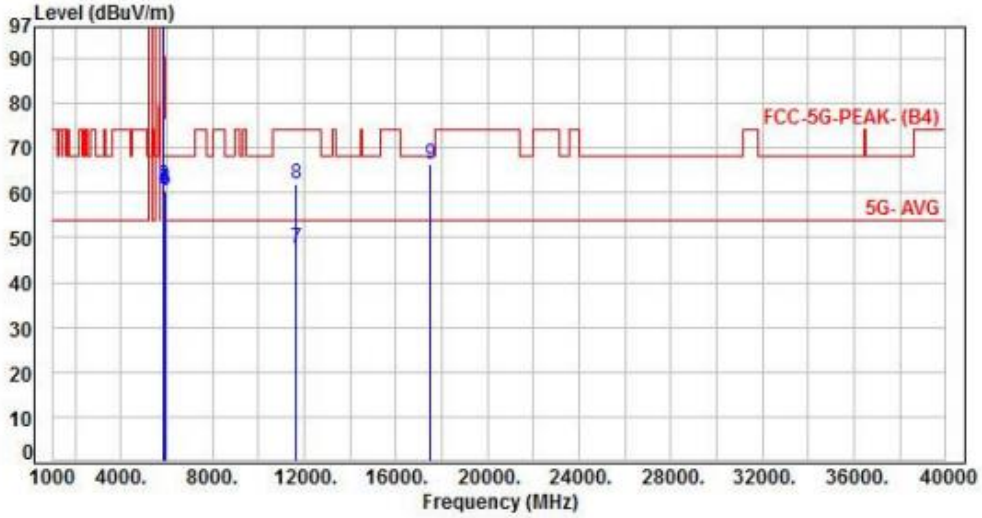


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.89	96.90	103.79	200.00	-96.21	Average	123	38	P
2	5825.00	6.89	109.55	116.44	200.00	-83.56	Peak	123	38	P
3	5850.00	6.86	55.64	62.50	122.20	-59.70	Peak	123	38	P
4	5855.00	6.90	53.69	60.59	110.80	-50.21	Peak	123	38	P
5	5875.00	7.03	53.08	60.11	105.20	-45.09	Peak	123	38	P
6	5925.00	7.22	52.87	60.09	68.20	-8.11	Peak	123	38	P
7	11650.00	15.79	31.98	47.77	54.00	-6.23	Average	124	45	P
8	11650.00	15.79	45.86	61.65	74.00	-12.35	Peak	124	45	P
9	17475.00	22.80	43.02	65.82	68.20	-2.38	Peak	100	360	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, Band 4, CH165		

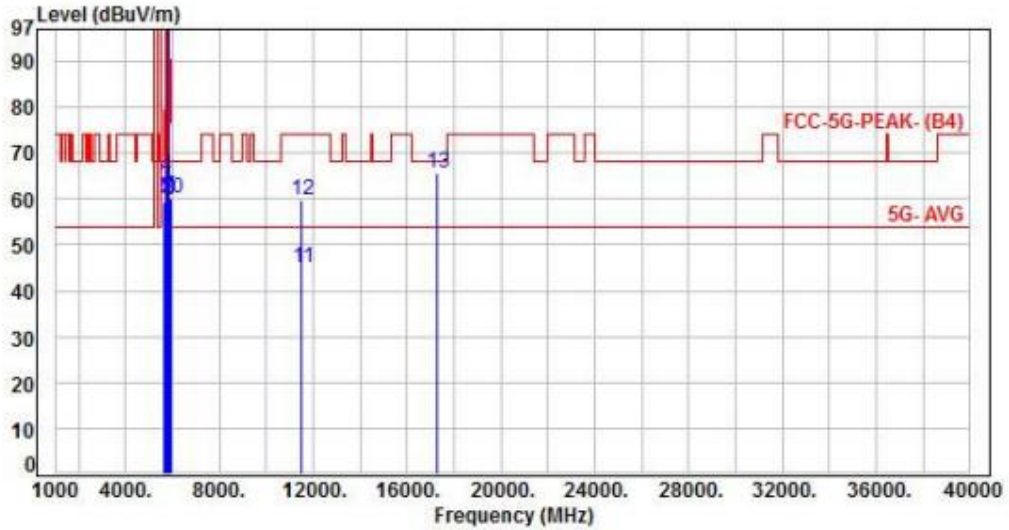


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5825.00	6.89	98.76	105.65	200.00	-94.35	Average	291	22	P
2	5825.00	6.89	112.04	118.93	200.00	-81.07	Peak	291	22	P
3	5850.00	6.86	54.67	61.53	122.20	-60.67	Peak	291	22	P
4	5855.00	6.90	54.02	60.92	110.80	-49.88	Peak	291	22	P
5	5875.00	7.03	54.00	61.03	105.20	-44.17	Peak	291	22	P
6	5925.00	7.22	53.40	60.62	68.20	-7.58	Peak	291	22	P
7	11650.00	15.79	31.85	47.64	54.00	-6.36	Average	100	56	P
8	11650.00	15.79	46.22	62.01	74.00	-11.99	Peak	100	56	P
9	17475.00	22.80	43.62	66.42	68.20	-1.78	Peak	100	15	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 4, CH151		

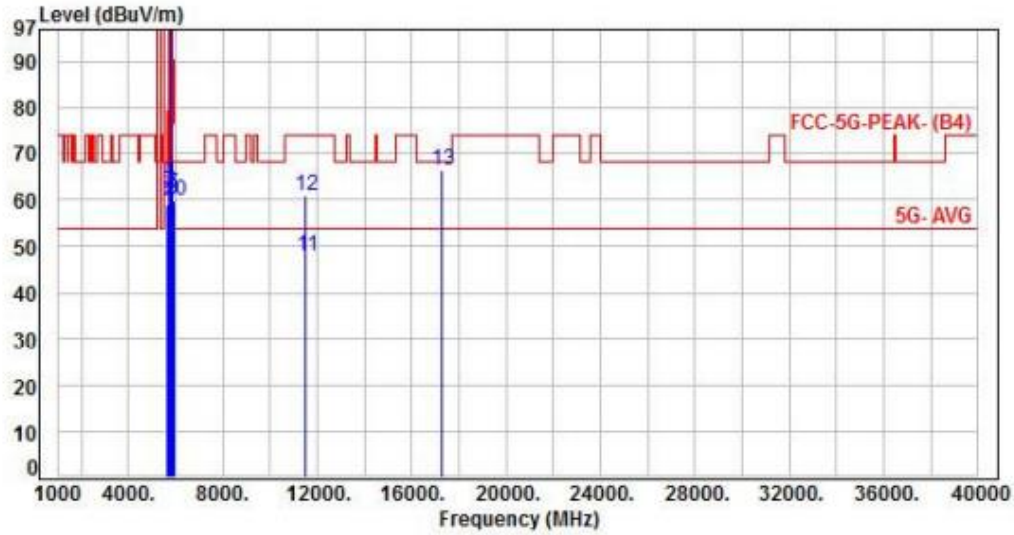


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.72	52.75	59.47	68.20	-8.73	Peak	139	33	P
2	5700.00	6.86	53.41	60.27	105.20	-44.93	Peak	139	33	P
3	5720.00	6.87	55.67	62.54	110.80	-48.26	Peak	139	33	P
4	5725.00	6.88	57.94	64.82	122.20	-57.38	Peak	139	33	P
5	5755.00	6.89	93.29	100.18	200.00	-99.82	Average	139	33	P
6	5755.00	6.89	106.24	113.13	200.00	-86.87	Peak	139	33	P
7	5850.00	6.86	53.78	60.64	122.20	-61.56	Peak	139	33	P
8	5855.00	6.90	52.87	59.77	110.80	-51.03	Peak	139	33	P
9	5875.00	7.03	53.16	60.19	105.20	-45.01	Peak	139	33	P
10	5925.00	7.22	53.00	60.22	68.20	-7.98	Peak	139	33	P
11	11510.00	15.44	29.49	44.93	54.00	-9.07	Average	178	360	P
12	11510.00	15.44	44.25	59.69	74.00	-14.31	Peak	178	360	P
13	17265.00	21.58	44.05	65.63	68.20	-2.57	Peak	100	23	P

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



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 4, CH151		:	

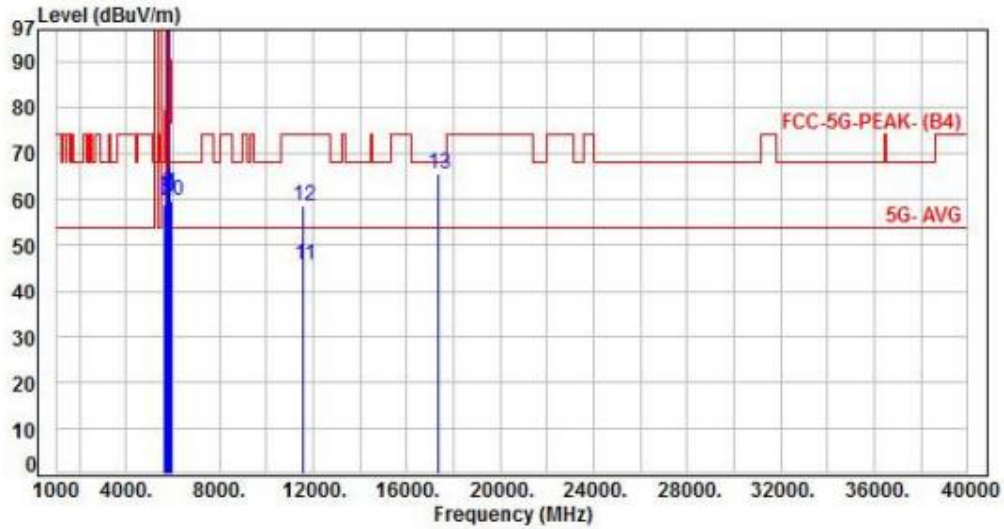


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.72	52.47	59.19	68.20	-9.01	Peak	226	355	P
2	5700.00	6.86	52.97	59.83	105.20	-45.37	Peak	226	355	P
3	5720.00	6.87	56.70	63.57	110.80	-47.23	Peak	226	355	P
4	5725.00	6.88	57.04	63.92	122.20	-58.28	Peak	226	355	P
5	5755.00	6.89	94.65	101.54	200.00	-98.46	Average	226	355	P
6	5755.00	6.89	107.18	114.07	200.00	-85.93	Peak	226	355	P
7	5850.00	6.86	54.49	61.35	122.20	-60.85	Peak	226	355	P
8	5855.00	6.90	53.37	60.27	110.80	-50.53	Peak	226	355	P
9	5875.00	7.03	53.21	60.24	105.20	-44.96	Peak	226	355	P
10	5925.00	7.22	52.65	59.87	68.20	-8.33	Peak	226	355	P
11	11510.00	15.44	32.57	48.01	54.00	-5.99	Average	145	56	P
12	11510.00	15.44	45.59	61.03	74.00	-12.97	Peak	145	56	P
13	17265.00	21.58	44.67	66.25	68.20	-1.95	Peak	100	15	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, Band 4, CH159		:

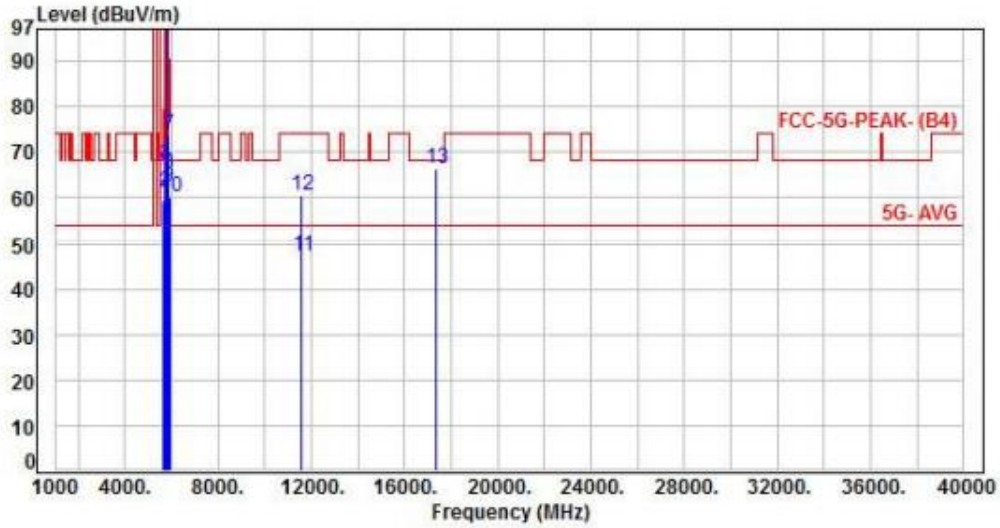


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.72	52.47	59.19	68.20	-9.01	Peak	291	20	P
2	5700.00	6.86	52.98	59.84	105.20	-45.36	Peak	291	20	P
3	5720.00	6.87	53.70	60.57	110.80	-50.23	Peak	291	20	P
4	5725.00	6.88	55.28	62.16	122.20	-60.04	Peak	291	20	P
5	5795.00	6.92	92.46	99.38	200.00	-100.62	Average	291	20	P
6	5795.00	6.92	105.92	112.84	200.00	-87.16	Peak	291	20	P
7	5850.00	6.86	54.22	61.08	122.20	-61.12	Peak	291	20	P
8	5855.00	6.90	53.81	60.71	110.80	-50.09	Peak	291	20	P
9	5875.00	7.03	53.32	60.35	105.20	-44.85	Peak	291	20	P
10	5925.00	7.22	52.40	59.62	68.20	-8.58	Peak	291	20	P
11	11590.00	15.67	30.07	45.74	74.00	-28.26	Peak	100	343	P
12	11590.00	15.67	43.08	58.75	74.00	-15.25	Peak	100	343	P
13	17385.00	22.15	43.62	65.77	68.20	-2.43	Peak	100	67	P

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



Power	:	DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 6, Band 4, CH159		:	

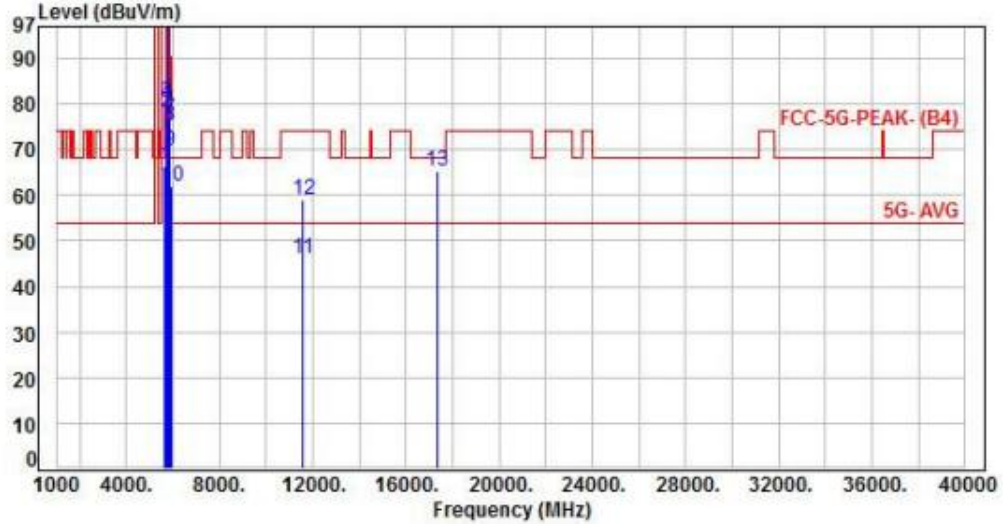


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.72	52.66	59.38	68.20	-8.82	Peak	129	16	P
2	5700.00	6.86	54.25	61.11	105.20	-44.09	Peak	129	16	P
3	5720.00	6.87	60.25	67.12	110.80	-43.68	Peak	129	16	P
4	5725.00	6.88	60.10	66.98	122.20	-55.22	Peak	129	16	P
5	5795.00	6.92	96.12	103.04	200.00	-96.96	Average	129	16	P
6	5795.00	6.92	107.92	114.84	200.00	-85.16	Peak	129	16	P
7	5850.00	6.86	66.87	73.73	122.20	-48.47	Peak	129	16	P
8	5855.00	6.90	58.42	65.32	110.80	-45.48	Peak	129	16	P
9	5875.00	7.03	55.30	62.33	105.20	-42.87	Peak	129	16	P
10	5925.00	7.22	52.87	60.09	68.20	-8.11	Peak	129	16	P
11	11590.00	15.67	31.74	47.41	54.00	-6.59	Average	124	53	P
12	11590.00	15.67	44.85	60.52	74.00	-13.48	Peak	124	53	P
13	17385.00	22.15	44.08	66.23	68.20	-1.97	Peak	100	234	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, Band 4, CH155		:

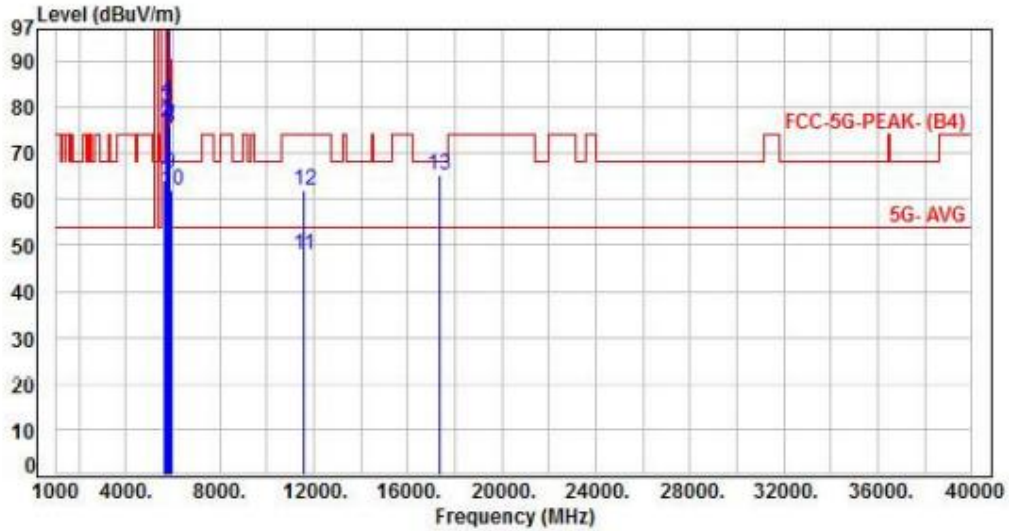


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5650.00	6.72	59.49	66.21	68.20	-1.99	Peak	145	312	P
2	5700.00	6.86	71.33	78.19	105.20	-27.01	Peak	145	312	P
3	5720.00	6.87	73.68	80.55	110.80	-30.25	Peak	145	312	P
4	5725.00	6.88	73.62	80.50	122.20	-41.70	Peak	145	312	P
5	5775.00	6.90	92.30	99.20	200.00	-100.80	Average	145	312	P
6	5775.00	6.90	105.08	111.98	200.00	-88.02	Peak	145	312	P
7	5850.00	6.86	69.95	76.81	122.20	-45.39	Peak	145	312	P
8	5855.00	6.90	68.49	75.39	110.80	-35.41	Peak	145	312	P
9	5875.00	7.03	62.68	69.71	105.20	-35.49	Peak	145	312	P
10	5925.00	7.22	54.64	61.86	68.20	-6.34	Peak	145	312	P
11	11550.00	15.56	30.55	46.11	54.00	-7.89	Average	100	352	P
12	11550.00	15.56	43.33	58.89	74.00	-15.11	Peak	100	352	P
13	17325.00	21.84	43.29	65.13	68.20	-3.07	Peak	100	31	P

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



Power	: DC 12V From Adapter (AC 120V / 60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, 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	6.72	57.38	64.10	68.20	-4.10	Peak	136	30	P
2	5700.00	6.86	69.84	76.70	105.20	-28.50	Peak	136	30	P
3	5720.00	6.87	73.07	79.94	110.80	-30.86	Peak	136	30	P
4	5725.00	6.88	74.74	81.62	122.20	-40.58	Peak	136	30	P
5	5775.00	6.90	95.00	101.90	200.00	-98.10	Average	136	30	P
6	5775.00	6.90	107.16	114.06	200.00	-85.94	Peak	136	30	P
7	5850.00	6.86	69.01	75.87	122.20	-46.33	Peak	136	30	P
8	5855.00	6.90	68.56	75.46	110.80	-35.34	Peak	136	30	P
9	5875.00	7.03	58.69	65.72	105.20	-39.48	Peak	136	30	P
10	5925.00	7.22	54.72	61.94	68.20	-6.26	Peak	136	30	P
11	11550.00	15.56	32.35	47.91	54.00	-6.09	Average	147	356	P
12	11550.00	15.56	46.42	61.98	74.00	-12.02	Peak	147	356	P
13	17325.00	21.84	43.32	65.16	68.20	-3.04	Peak	100	360	P

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



6.7. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.150
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz



7. On Time, Duty Cycle and Measurement methods

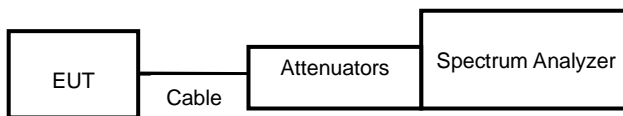
7.1. Test Limit

None; for reporting purposes only.

7.2. Test Procedure

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.3. Test Setup Layout





7.4. Test Result and Data

Non BeamForming

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11a,6M	1.40	1.45	96.28%
802.11ax HE20	0.35	0.40	86.11%
802.11ax HE40	0.23	0.29	79.84%
802.11ax HE80	0.16	0.22	73.82%

BeamForming

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
802.11ax HE20	3.80	4.06	93.41%
802.11ax HE40	1.93	2.48	77.82%
802.11ax HE80	0.95	1.58	60.24%

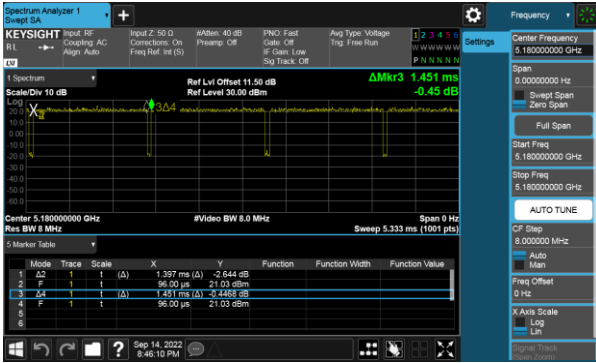
7.5. Measurement Methods

26 dB and 6dB Emission BW	KDB 789033 D02 v02r01, Section C
99% Occupied BW	KDB 789033 D02 v02r01, Section D
Conducted Output Power	KDB 789033 D02 v02r01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 D02 v02r01, Section F
Unwanted emissions in restricted bands	KDB 789033 D02 v02r01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 D02 v02r01, Sections G and H

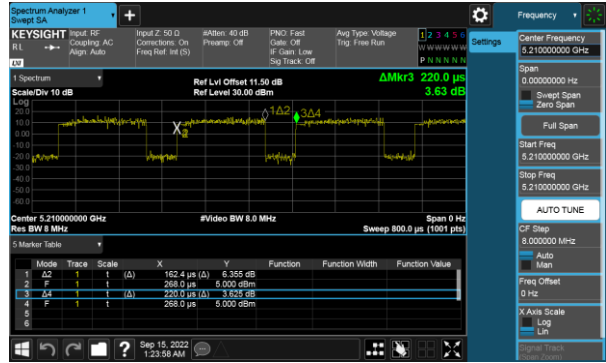


Non BeamForming

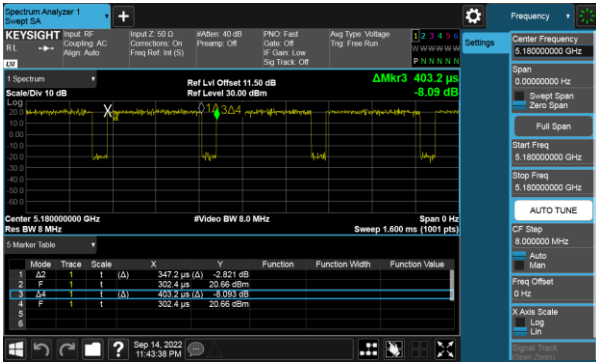
Modulation Type: 802.11a (6Mbps)



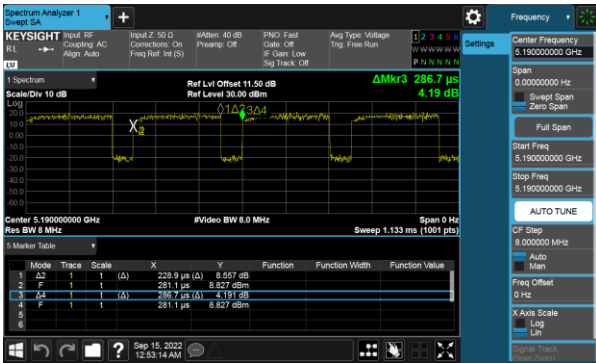
Modulation Type: 802.11ax HE80 (30.6Mbps)



Modulation Type: 802.11ax HE20 (7.3Mbps)



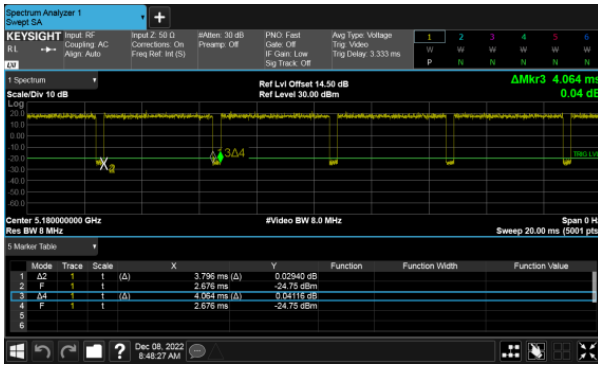
Modulation Type: 802.11ax HE40 (14.6Mbps)



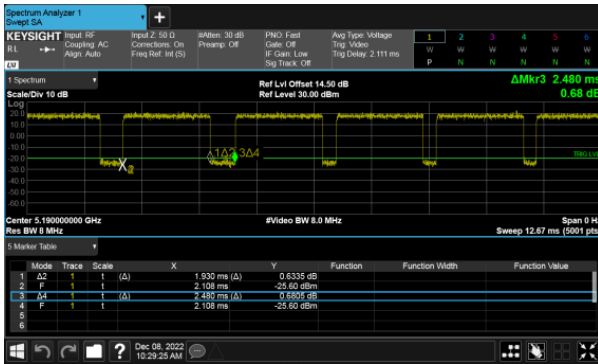


BeamForming

Modulation Type: 802.11ax HE20 (7.3Mbps)



Modulation Type: 802.11ax HE40 (14.6Mbps)



Modulation Type: 802.11ax HE80 (30.6Mbps)

