FCC RADIO TEST REPORT

Applicant	:	LITE-ON TECHNOLOGY CORP.
Address	:	22 F., No. 392, Ruiguang Rd., Neihu Dist., Taipei City 114753, Taiwan (R.O.C.)
Equipment	:	Solid State Digital Sign Computer
Model No.	:	BK435, CL435, GC435, GX435, AX435
Trade Name	:	BrightSign
FCC ID	:	PPQ-CL435

I HEREBY CERTIFY THAT :

The sample was received on Jan. 07, 2025 and the testing was completed on Feb. 05, 2025 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory

CONTENTS

History of this test report

Report No.	Issued Date	Description
25010117-TRFCC02	Feb. 07, 2025	Original

1. Summary of Test Procedure and Test Results

1.1. Applicable Standards

ANSI C63.10:2013

FCC Rules and Regulations Part 15 Subpart E §15.407

KDB 789033

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

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

*This EUT has been also tested and compiled with the requirement of FCC Part 15, Subpart B, recorded in a separate test report (25010117-TEFV01).

2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Operation Frequency Range	802.11b/g/n: 2400-2483.5MHz 802.11a/n/ac: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
Center Frequency Range	802.11b/g/n: 2412MHz-2462MHz 802.11a/n/ac: 5180-5240MHz, 5260-5320MHz, 5500-5720MHz, 5745-5825MHz
Modulation Type	2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Modulation Technology	DSSS, OFDM
Data Rate	2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80
Antenna Type	Dipole Antenna
Antenna Gain	2400-2500MHz: 1.95dBi 5180-5240MHz: 2.37dBi 5260-5320MHz: 2.49dBi 5500-5700MHz: 3.64dBi 5745-5825MHz: 3.34dBi
Adapter	APD \ WB-18U12R

Note:
1. EUT support TPC Function.
2. EUT support DFS Client Mode, without radar detection.
3. For more details, please refer to the User's manual of the EUT.

Difference description:
1. The EUT have two kinds of super capacitors can be used.
   These super capacitors can be used with all the Model No.
2. All the Model No. are marketing purpose.
3. The test sample is Model No.: CL435 with super capacitor (main source).

2.2. Carrier Frequency of Channels

Band: 5150MHz-5250MHz
802.11a, 802.11n HT20, 802.11ac VHT20

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

802.11n HT40, 802.11ac VHT40

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

802.11ac VHT80

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

Band: 5250MHz-5350MHz
802.11a, 802.11n HT20, 802.11ac VHT20

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

802.11n HT40, 802.11ac VHT40

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

802.11ac VHT80

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

Band: 5470MHz-5725MHz
802.11a, 802.11n HT20, 802.11ac VHT20

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

802.11n HT40, 802.11ac VHT40

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

802.11ac VHT80

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

Band 3: Straddle Channel

802.11a, 802.11n HT 20, 802.11ac VHT20

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

802.11n HT40, 802.11ac VHT40

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

802.11ac VHT80

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

Band: 5725MHz-5850MHz

802.11a, 802.11n HT20, 802.11ac VHT20

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

802.11n HT40, 802.11ac VHT40

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

802.11ac VHT80

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. An executive program, ”rtwpriv command” under Windows 10 system was executed to transmit and receive data via WLAN.

c. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode 1	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 2	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 240V/60Hz), Adapter: WB-18U12R
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiated Emissions (30MHz ~ 1GHz)	
Test Mode 1	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 2	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 240V/60Hz), Adapter: WB-18U12R
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiated Emissions (1GHz ~ 40GHz)	
Test Mode 1	802.11a (6Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 2	802.11ac VHT20 (6.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 3	802.11ac VHT40 (13.5Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
Test Mode 4	802.11ac VHT80 (29.3Mbps), TX Mode, Power from Adapter (AC 120V/60Hz), Adapter: WB-18U12R
caused “Test Mode 1,2,3,4” were the worst case, these were reported as the final data.	

Modulation Type	TX CONFIGURATION
802.11a	1TX
802.11n HT20	1TX
802.11n HT40	1TX
802.11ac VHT20	1TX
802.11ac VHT40	1TX
802.11ac VHT80	1TX

2.4. Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	lenovo	S1GL2W	N/A	N/A
MicroSDHC	ADATA	8G	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A

Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
MicroSDHC	ADATA	8G	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A

AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
MicroSDHC	ADATA	8G	N/A	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A

2.5. General Information of Test

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

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2025/01/15	25.6˚C / 45%	Leon Huang
RF Conducted	RFCON01-NK	2025/01/16	23.8˚C / 47%	Leon Huang
RF Conducted	RFCON01-NK	2025/02/05	24.2˚C / 49%	Leon Huang
Radiated Emissions	3M03-NK	2025/01/18	18.9˚C / 51%	Leon Huang
Radiated Emissions	3M03-NK	2025/01/21	20.6˚C / 53%	Leon Huang
Radiated Emissions	3M03-NK	2025/01/22	21.1˚C / 56%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2025/01/21	20.5˚C / 51%	Leon Huang

2.6. Measurement Uncertainty

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

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.2dB
Radiated Spurious Emission(9KHz~30MHz)	±3.5dB
Radiated Spurious Emission(30MHz~1GHz)	±5.1dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
6dB Bandwidth	±5.4%
26dB Bandwidth	±4.4%
Occupied Bandwidth	±4.5%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%
Frequency Stability	±0.23KHz

3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M03-NK)				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
Bilog Antenna	Sunol	JB1	A020514-1	2024/05/17	2025/05/16
Active Loop Antenna	EMCO	6507	00040855	2024/05/02	2025/05/01
Horn Anrenna	EMCO	3116	31974	2024/10/18	2025/10/17
Double Ridged Guide Horn Antenna	RF SPAN	DRH18-E	210309A18-ES	2024/08/28	2025/08/27
Spectrum Analyzer	R&S	FSV 40-N	102151	2024/02/27	2025/02/28
EMI Receiver	R&S	ESR 7	101906	2024/05/13	2025/05/12
Preamplifier	EMC INSTRUMENTS	EMC118A45V1SEE	980993	2024/10/24	2025/10/23
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2024/10/15	2025/10/14
Preamplifier	EM Electronics corp.	EM330	60820	2024/06/14	2025/06/13
Cable-3m (9k-3G)	N/A	EMC5D-BM-BM-6	130606	2024/03/13	2025/03/12
Cable-8m (10M-26.5G)	HUBER SUHNER	SF126E	587396/126E	2024/10/14	2025/10/13
Cable-3m (10M-26.5G)	HUBER SUHNER	SF126E	587399/126E	2024/10/14	2025/10/13
Cable-1m (10M-40G)	HUBER SUHNER	SF102	804398/2	2024/10/14	2025/10/13
Cable-1m (1G-26.5G)	HUBER SUHNER	SF126E	589848/126E	2024/10/14	2025/10/13
Cable-4m (30M-1G)	HUBER SUHNER	RG-214	02953M	2024/09/04	2025/09/03
Cable-1m (30M-1G)	HUBER SUHNER	RG-214	05094M	2024/09/04	2025/09/03
Cable-9m (30M-1G)	HUBER SUHNER	RG-214	00402M	2024/09/04	2025/09/03
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
High Pass Filter	Warison	WFIL-H3000-18000F-03	WRJ5CFWC2J1	2024/07/03	2025/07/02
Notch Filter	Warison	WFIL-N5925-7125F-04	WRQ4BFWC4M1	2024/03/11	2025/03/10
Highpass Filter	Warison	WFIL-H7500-18000F	WRQ4BFWC2J1	2024/03/11	2025/03/10

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2024/10/23	2025/10/22
Power Meter	Anritsu	ML2495A	1224005	2024/02/17	2025/02/16
Power Sensor	Anritsu	MA2411B	1207295	2024/02/17	2025/02/16
Attenuator	KEYSIGHT	8491B	MY39250703	2024/02/20	2025/02/19

Test Item	AC Power Line Conducted Emission				
Test Site	CON02-NK				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
EMI Receiver	R&S	ESR 7	101906	2024/05/13	2025/05/12
Two-Line V-Network	R&S	ENV216	102185	2024/08/27	2025/08/26
LISN	Schwarzbeck	NSLK 8127	8127740	2024/08/27	2025/08/26
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2024/08/08	2025/08/07
E3	AUDIX	v8.2014-8-6	RK-000536	NA	NA

4. Antenna Requirements

4.1. Standard Applicable

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

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

4.2. Antenna Construction and Directional Gain

Antenna Type	Dipole Antenna
Antenna Gain	5180-5240MHz: 2.37dBi 5260-5320MHz: 2.49dBi 5500-5700MHz: 3.64dBi 5745-5825MHz: 3.34dBi

5. Test of AC Power Line Conducted Emission

5.1. Test Limit

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

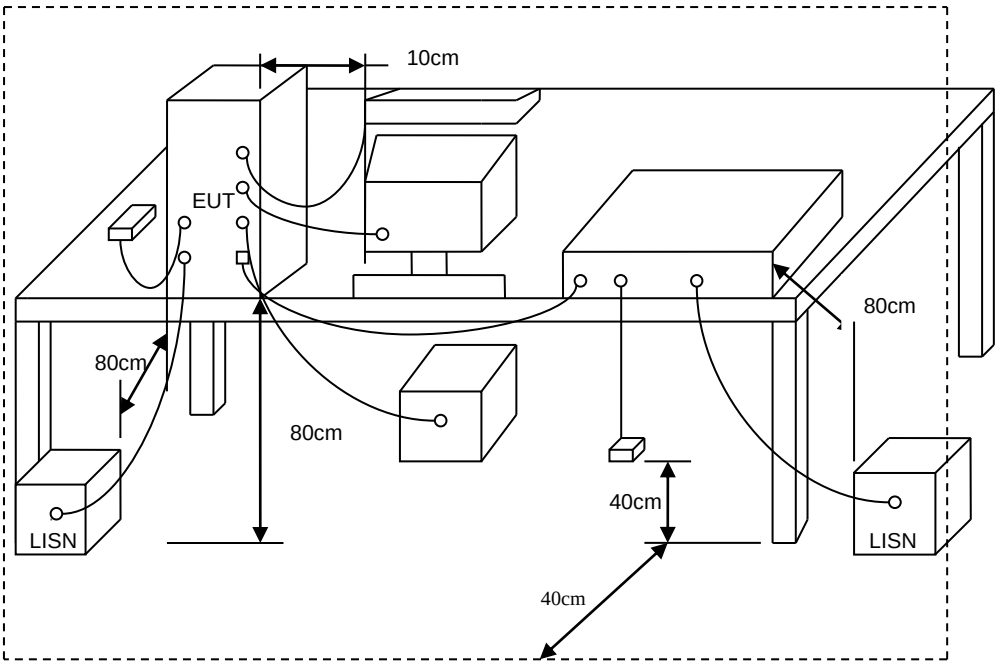
Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

5.2. Test Procedures

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

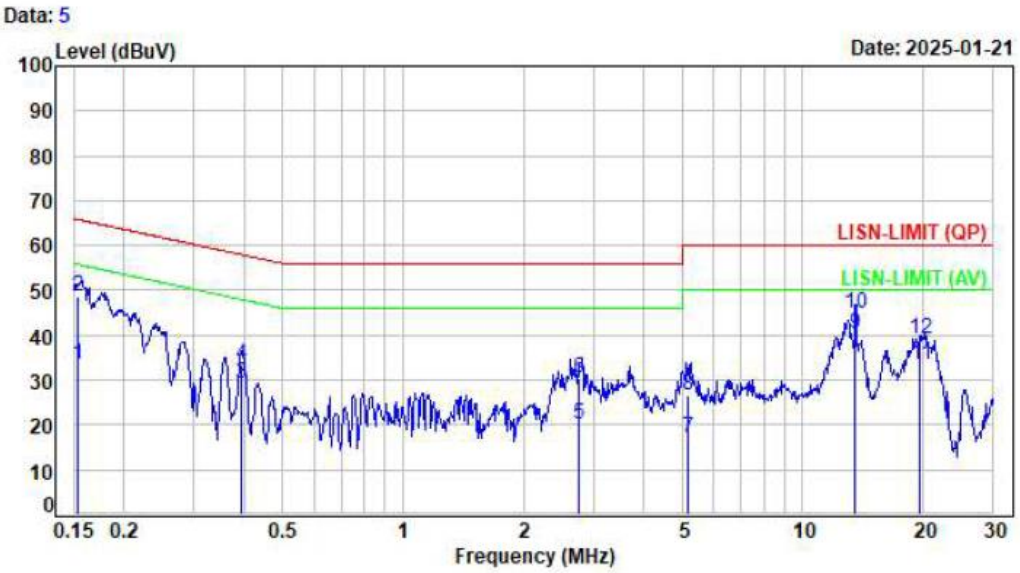
5.3. Typical Test Setup



5.4. Test Result and Data

Test Mode	Mode 1

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Phase : Line

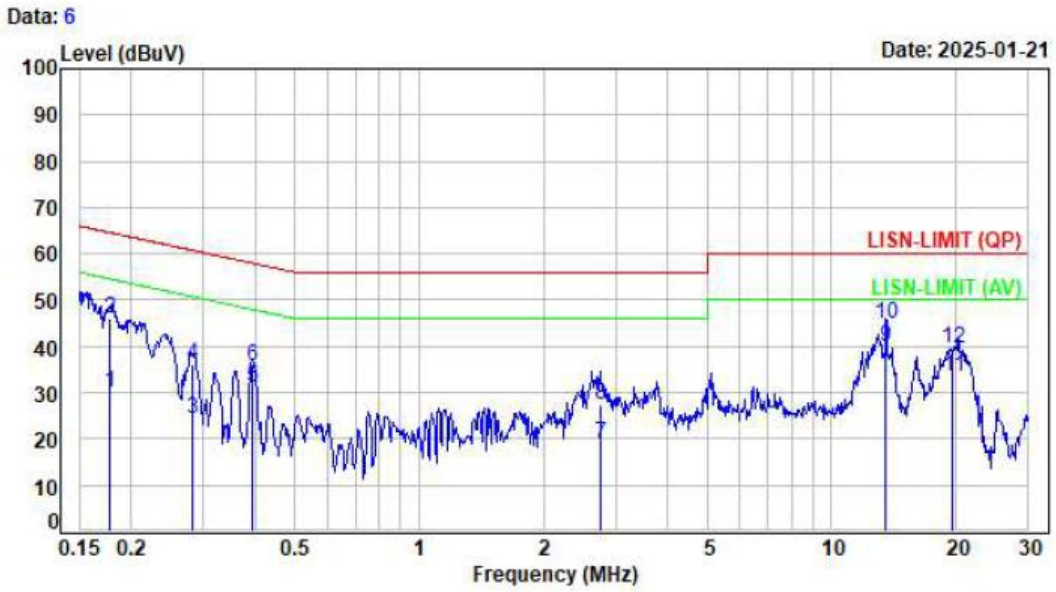


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1540	9.63	23.77	33.40	55.78	-22.38	Average	P
2	0.1540	9.63	39.15	48.78	65.78	-17.00	QP	P
3	0.3929	9.65	19.60	29.25	48.00	-18.75	Average	P
4	0.3929	9.65	23.86	33.51	58.00	-24.49	QP	P
5	2.7628	9.71	10.57	20.28	46.00	-25.72	Average	P
6	2.7628	9.71	20.87	30.58	56.00	-25.42	QP	P
7	5.1613	9.76	7.30	17.06	50.00	-32.94	Average	P
8	5.1613	9.76	16.82	26.58	60.00	-33.42	QP	P
9	13.5616	9.86	30.33	40.19	50.00	-9.81	Average	P
10	13.5616	9.86	35.06	44.92	60.00	-15.08	QP	P
11	19.7071	9.91	23.55	33.46	50.00	-16.54	Average	P
12	19.7071	9.91	29.26	39.17	60.00	-20.83	QP	P

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

Test Mode	Mode 1

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120V/60Hz)
Phase : Neutral



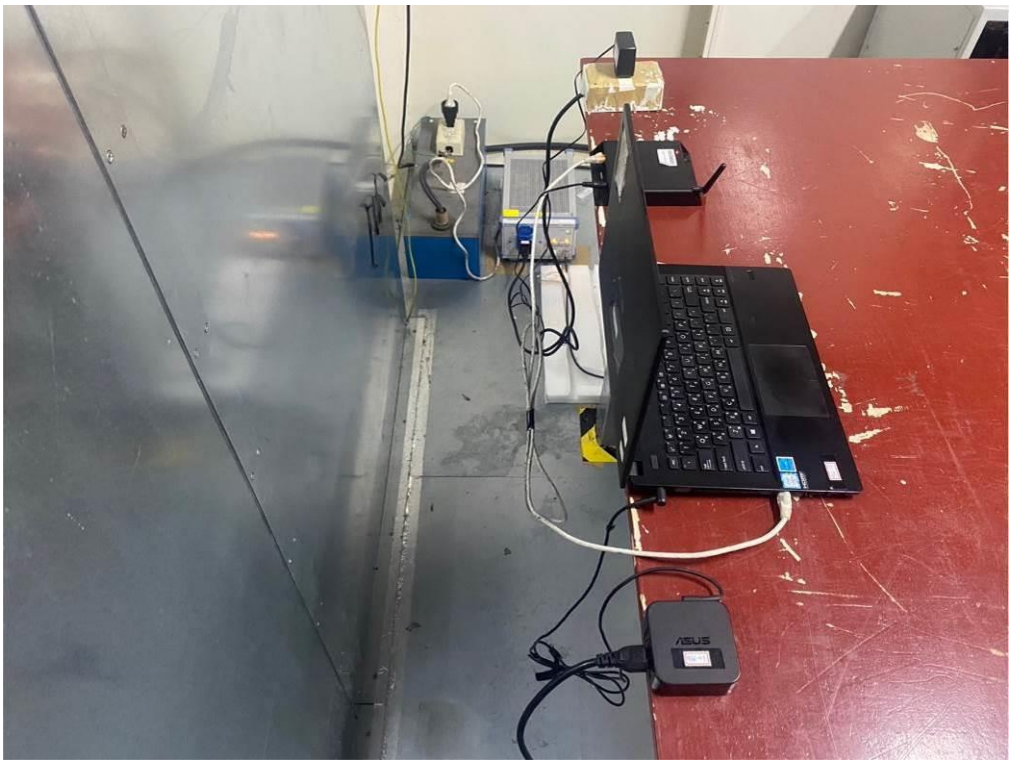
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1776	9.61	20.59	30.20	54.60	-24.40	Average	P
2	0.1776	9.61	36.50	46.11	64.60	-18.49	QP	P
3	0.2825	9.61	14.55	24.16	50.74	-26.58	Average	P
4	0.2825	9.61	26.68	36.29	60.74	-24.45	QP	P
5	0.3954	9.62	21.64	31.26	47.95	-16.69	Average	P
6	0.3954	9.62	26.00	35.62	57.95	-22.33	QP	P
7	2.7640	9.69	9.25	18.94	46.00	-27.06	Average	P
8	2.7640	9.69	17.59	27.28	56.00	-28.72	QP	P
9	13.5606	9.89	30.10	39.99	50.00	-10.01	Average	P
10	13.5606	9.89	34.79	44.68	60.00	-15.32	QP	P
11	19.7095	9.99	23.58	33.57	50.00	-16.43	Average	P
12	19.7095	9.99	29.50	39.49	60.00	-20.51	QP	P

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

5.5. Test Photographs

Front View

Rear View



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.

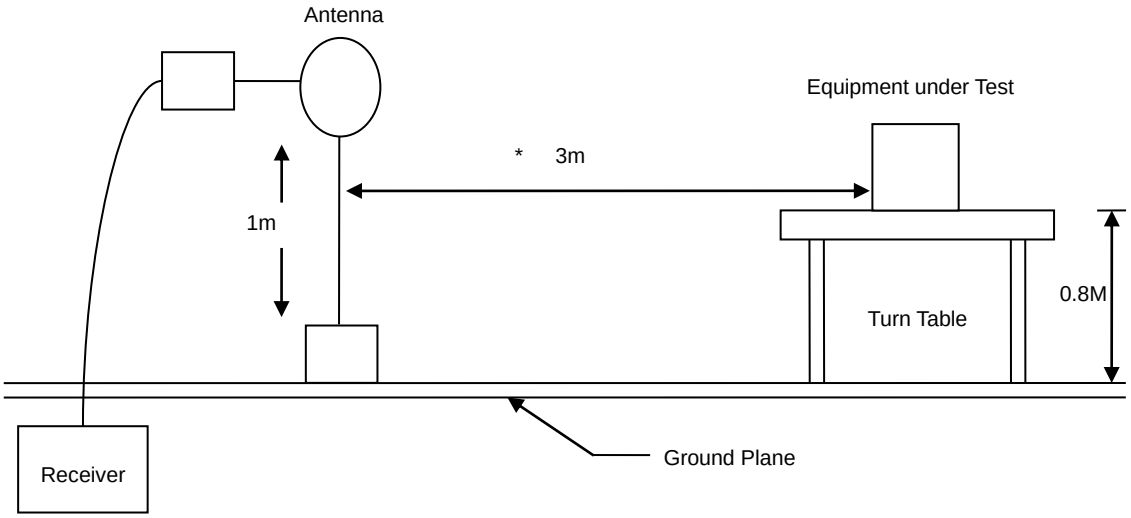
Note:

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.)

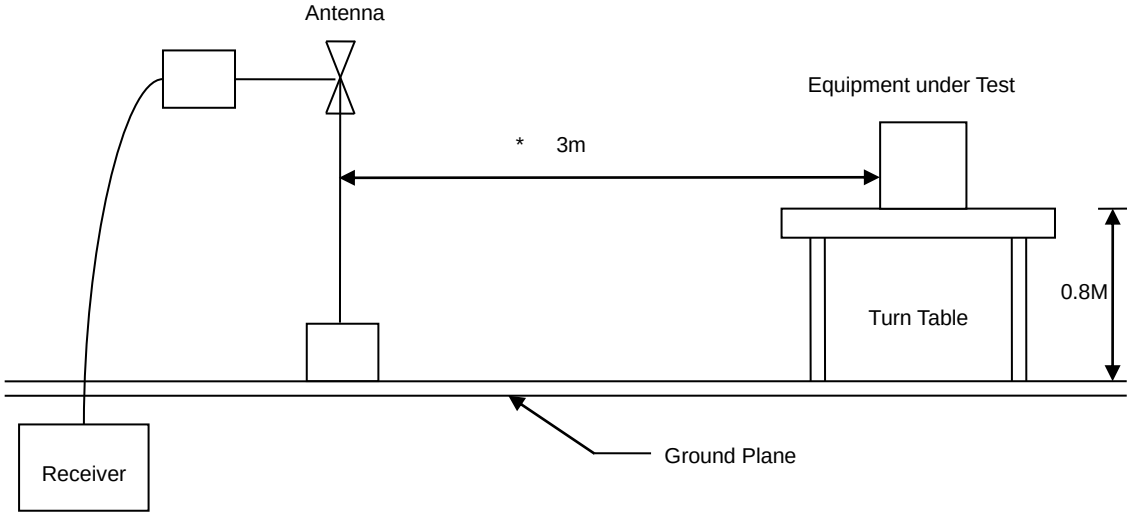
2.Due to the test software function limit the operation band setting(200dBuV/m). There's no corresponding limitation in the actual test item.

6.3. Typical Test Setup

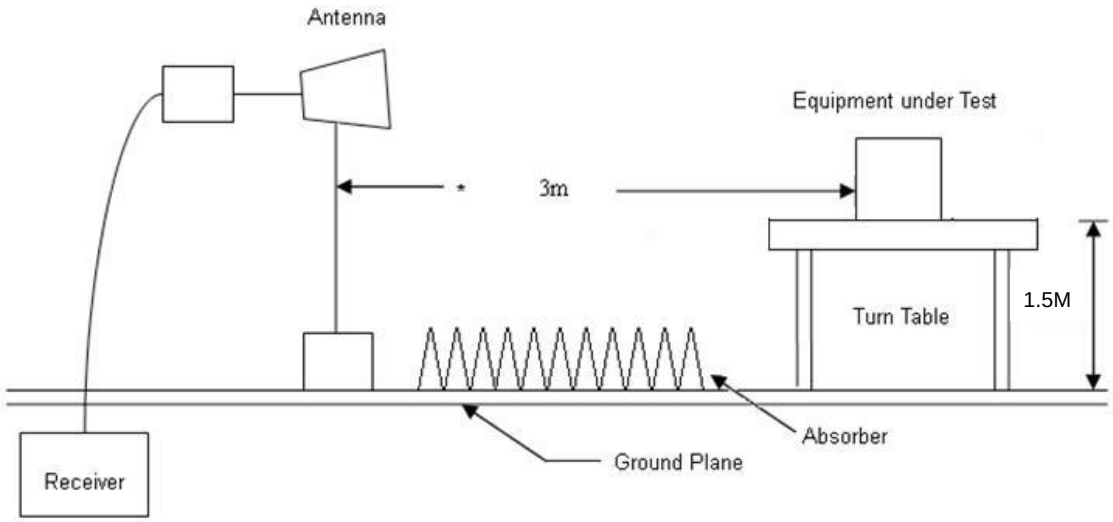
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



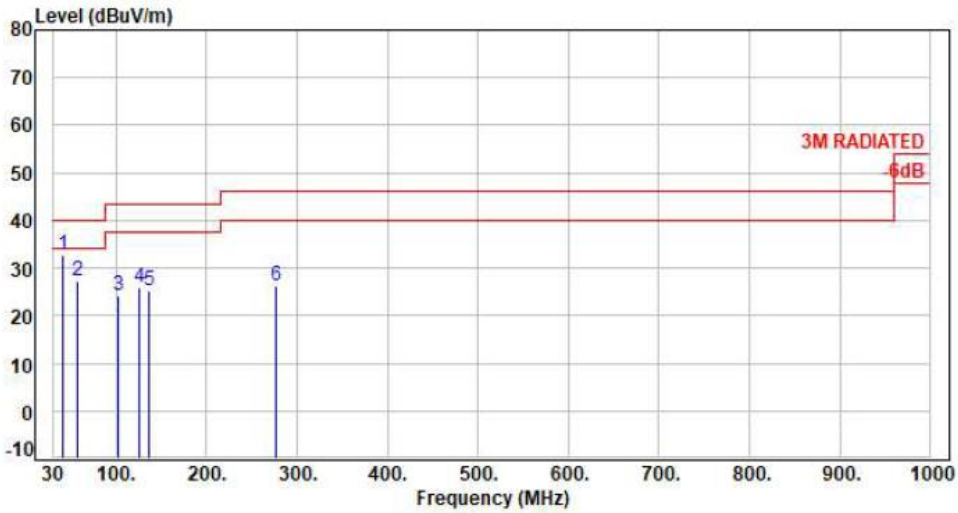
6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

Test Mode	Mode 1

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

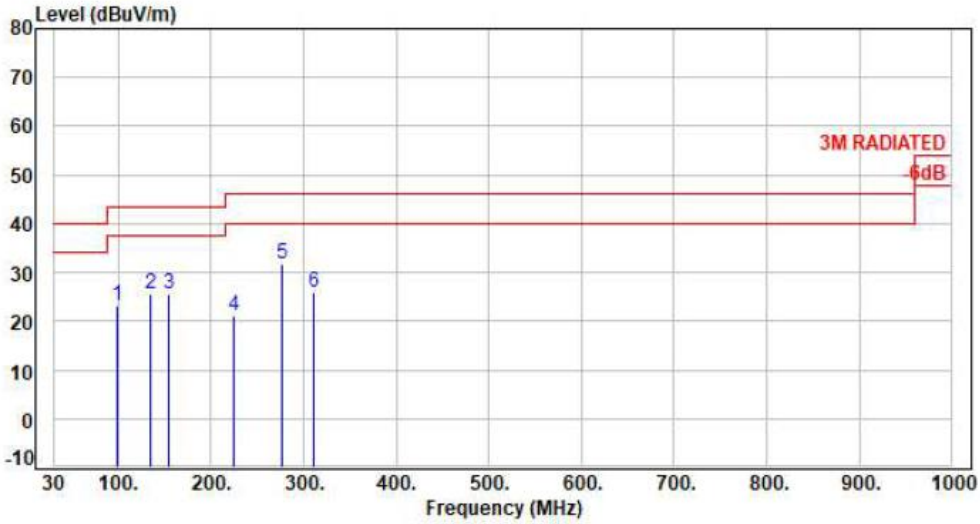


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	41.64	-12.18	45.03	32.85	40.00	-7.15	Peak	400	360	P
2	57.16	-17.26	44.40	27.14	40.00	-12.86	Peak	400	360	P
3	101.78	-13.79	38.14	24.35	43.50	-19.15	Peak	400	360	P
4	125.06	-10.43	36.37	25.94	43.50	-17.56	Peak	400	360	P
5	136.70	-10.72	35.82	25.10	43.50	-18.40	Peak	400	360	P
6	276.38	-10.03	36.25	26.22	46.00	-19.78	Peak	400	360	P

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

Test Mode	Mode 1

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal



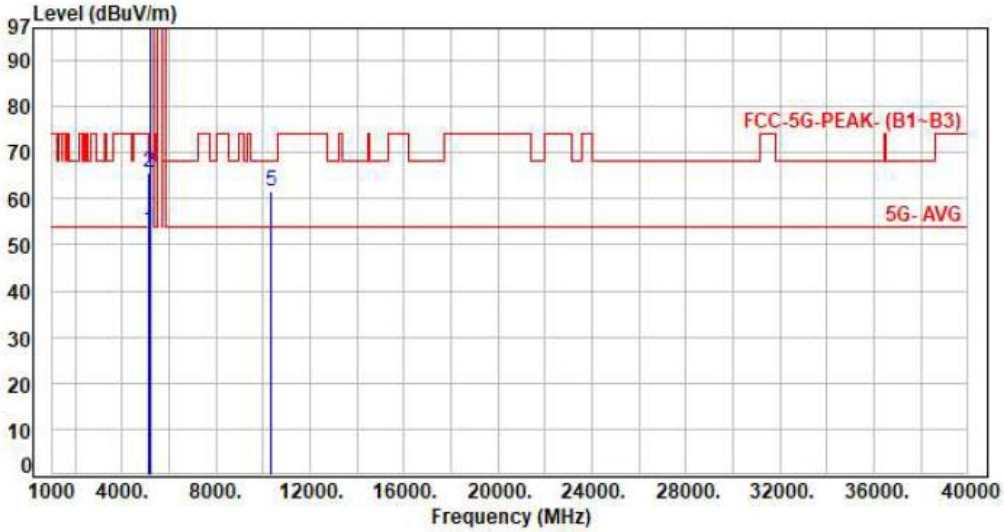
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	97.90	-14.91	38.25	23.34	43.50	-20.16	Peak	400	360	P
2	134.76	-10.55	36.04	25.49	43.50	-18.01	Peak	400	360	P
3	154.16	-11.88	37.46	25.58	43.50	-17.92	Peak	400	360	P
4	224.00	-12.94	33.95	21.01	46.00	-24.99	Peak	400	360	P
5	276.38	-10.03	41.95	31.92	46.00	-14.08	Peak	400	360	P
6	311.30	-9.51	35.39	25.88	46.00	-20.12	Peak	400	360	P

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

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH36 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

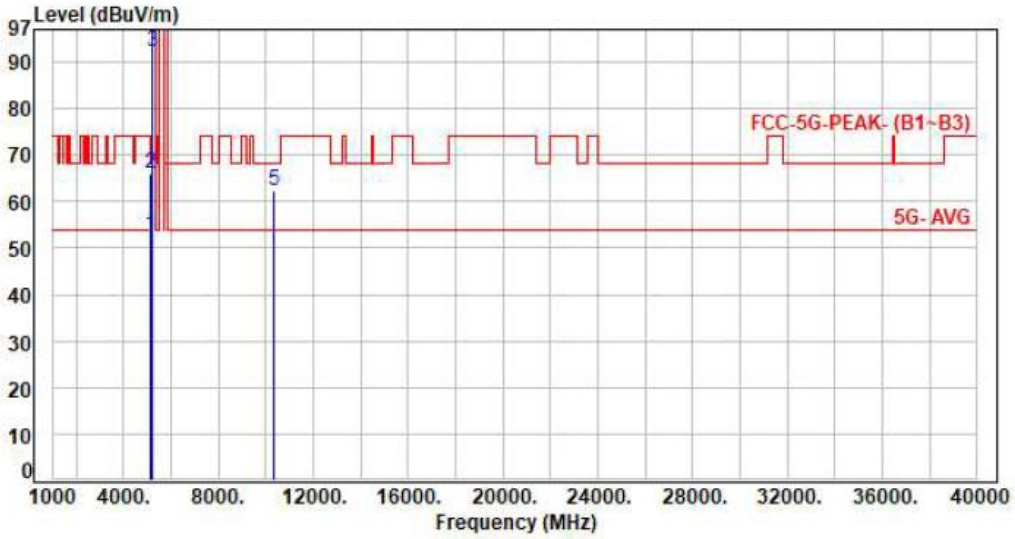


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	52.06	52.93	54.00	-1.07	Average	189	70	P
2	5150.00	0.87	64.87	65.74	74.00	-8.26	Peak	189	70	P
3	5180.00	0.81	98.25	99.06	200.00	-100.94	Average	189	70	P
4	5180.00	0.81	108.56	109.37	200.00	-90.63	Peak	189	70	P
5	10360.00	3.67	57.82	61.49	68.20	-6.71	Peak	105	124	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH36 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

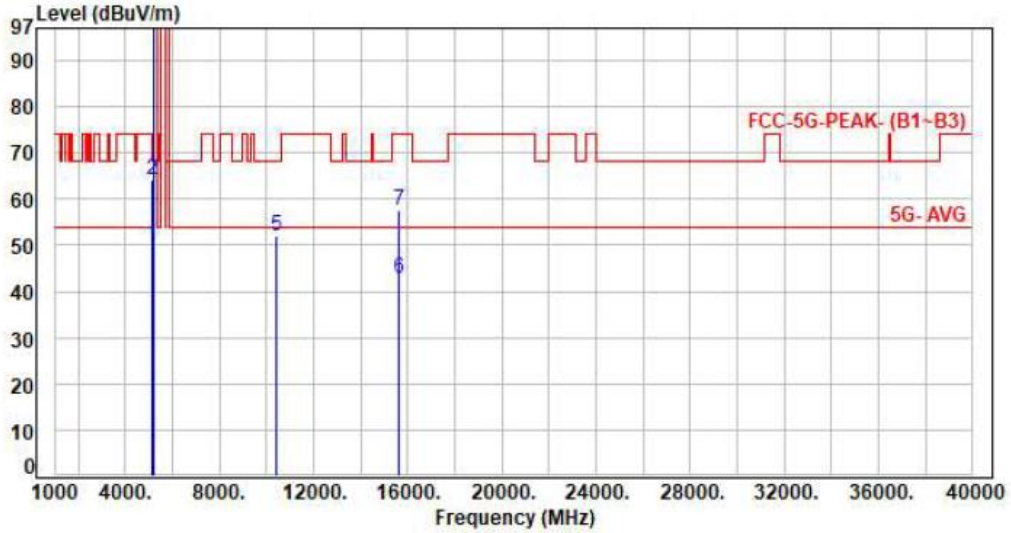


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	51.97	52.84	54.00	-1.16	Average	168	177	P
2	5150.00	0.87	65.10	65.97	74.00	-8.03	Peak	168	177	P
3	5180.00	0.81	91.37	92.18	200.00	-107.82	Average	168	177	P
4	5180.00	0.81	101.26	102.07	200.00	-97.93	Peak	168	177	P
5	10360.00	3.67	58.63	62.30	68.20	-5.90	Peak	112	355	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH40 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

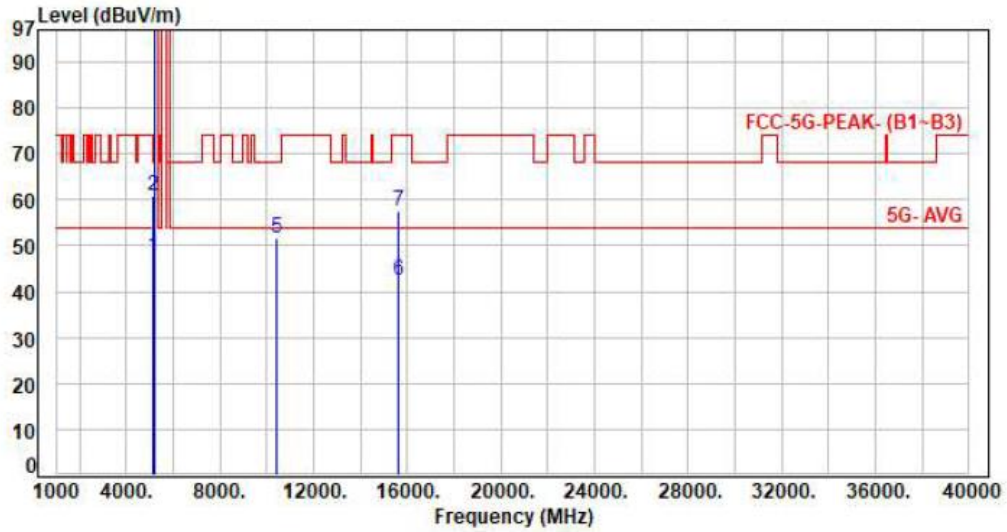


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	49.31	50.18	54.00	-3.82	Average	179	341	P
2	5150.00	0.87	63.15	64.02	74.00	-9.98	Peak	179	341	P
3	5200.00	0.77	102.27	103.04	200.00	-96.96	Average	179	341	P
4	5200.00	0.77	112.44	113.21	200.00	-86.79	Peak	179	341	P
5	10400.00	3.49	48.56	52.05	68.20	-16.15	Peak	139	318	P
6	15600.00	6.45	36.40	42.85	54.00	-11.15	Average	111	245	P
7	15600.00	6.45	51.26	57.71	74.00	-16.29	Peak	111	245	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH40 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

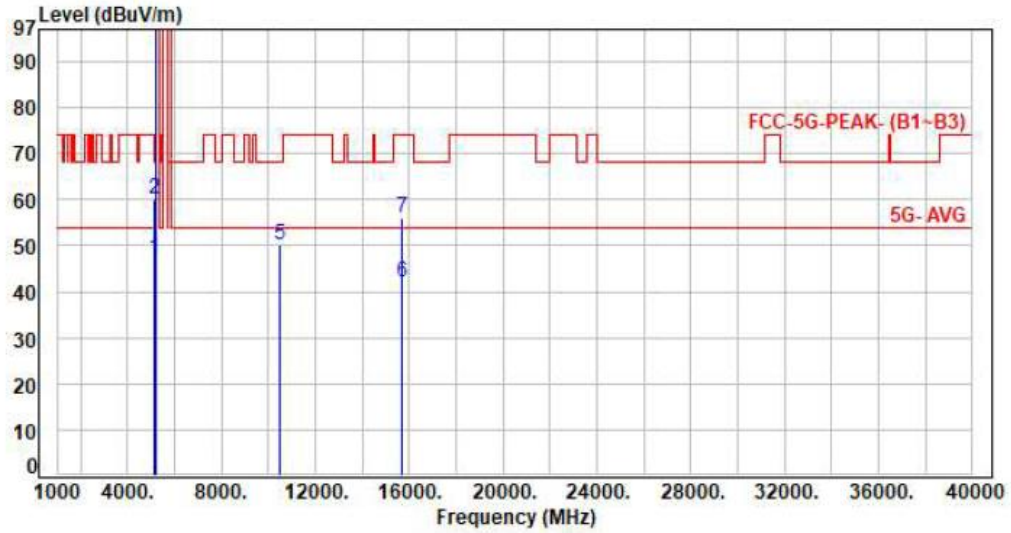


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	46.86	47.73	54.00	-6.27	Average	166	178	P
2	5150.00	0.87	59.90	60.77	74.00	-13.23	Peak	166	178	P
3	5200.00	0.77	95.91	96.68	200.00	-103.32	Average	166	178	P
4	5200.00	0.77	106.19	106.96	200.00	-93.04	Peak	166	178	P
5	10400.00	3.49	48.01	51.50	68.20	-16.70	Peak	148	246	P
6	15600.00	6.45	35.90	42.35	54.00	-11.65	Average	244	351	P
7	15600.00	6.45	51.08	57.53	74.00	-16.47	Peak	244	351	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH48 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

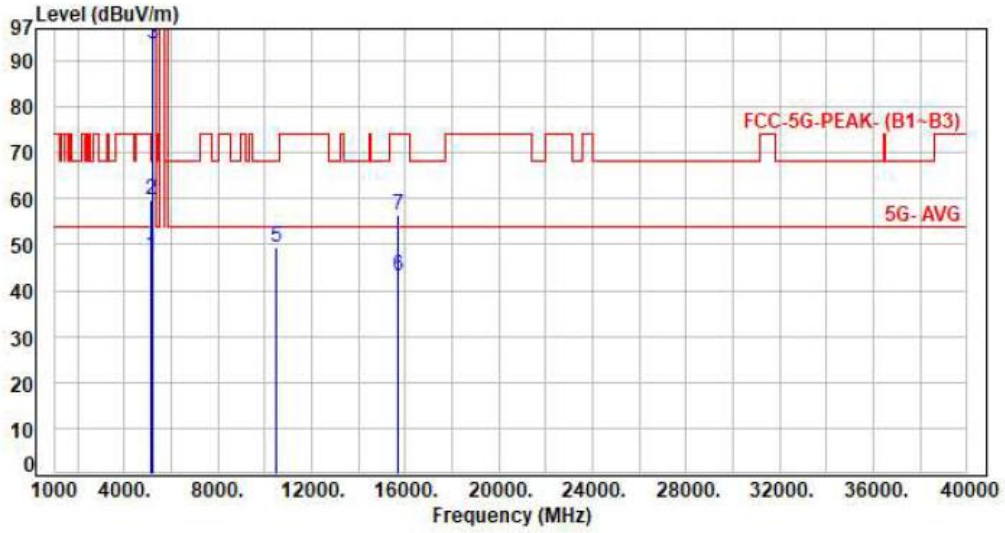


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	46.44	47.31	54.00	-6.69	Average	189	338	P
2	5150.00	0.87	59.14	60.01	74.00	-13.99	Peak	189	338	P
3	5240.00	0.61	102.01	102.62	200.00	-97.38	Average	189	338	P
4	5240.00	0.61	111.91	112.52	200.00	-87.48	Peak	189	338	P
5	10480.00	3.47	46.64	50.11	68.20	-18.09	Peak	149	288	P
6	15720.00	6.17	36.02	42.19	54.00	-11.81	Average	119	110	P
7	15720.00	6.17	49.88	56.05	74.00	-17.95	Peak	119	110	P

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH48 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

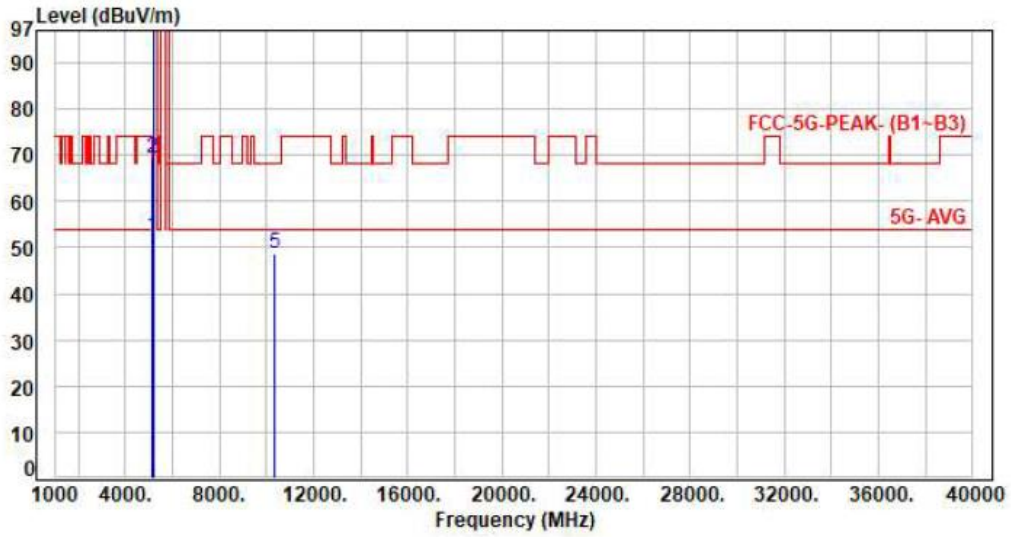


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	46.61	47.48	54.00	-6.52	Average	217	35	P
2	5150.00	0.87	59.03	59.90	74.00	-14.10	Peak	217	35	P
3	5240.00	0.61	93.11	93.72	200.00	-106.28	Average	217	35	P
4	5240.00	0.61	103.50	104.11	200.00	-95.89	Peak	217	35	P
5	10480.00	3.47	45.94	49.41	68.20	-18.79	Peak	142	256	P
6	15720.00	6.17	36.80	42.97	54.00	-11.03	Average	285	148	P
7	15720.00	6.17	50.38	56.55	74.00	-17.45	Peak	285	148	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH36 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

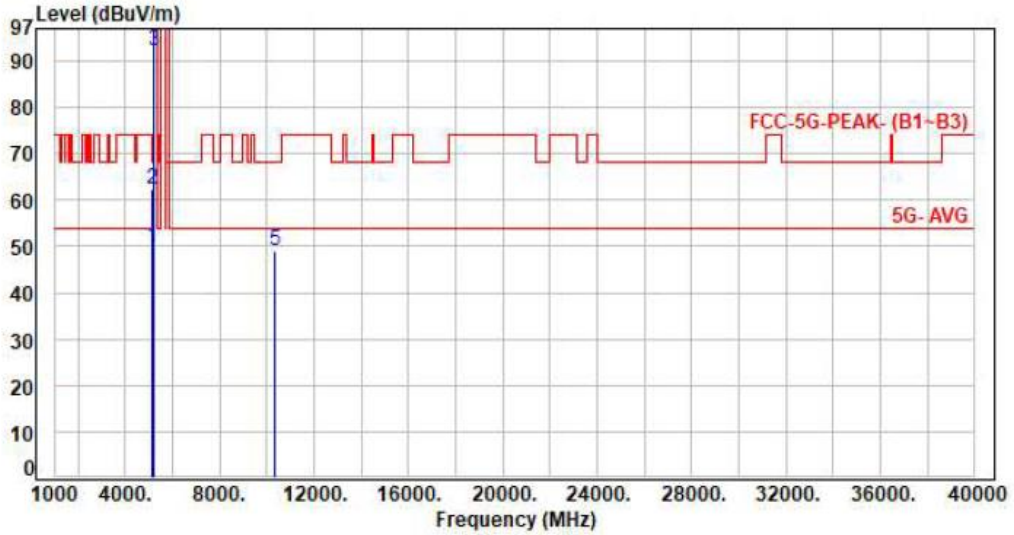


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	51.66	52.53	54.00	-1.47	Average	195	337	P
2	5150.00	0.87	68.60	69.47	74.00	-4.53	Peak	195	337	P
3	5180.00	0.81	97.44	98.25	200.00	-101.75	Average	195	337	P
4	5180.00	0.81	107.22	108.03	200.00	-91.97	Peak	195	337	P
5	10360.00	3.67	45.13	48.80	68.20	-19.40	Peak	114	223	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH36 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

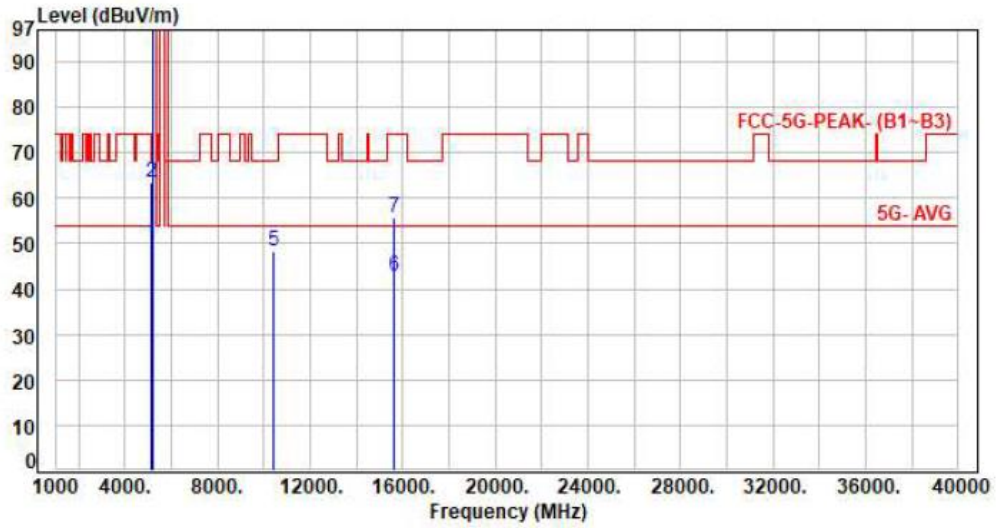


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	48.75	49.62	54.00	-4.38	Average	156	176	P
2	5150.00	0.87	61.51	62.38	74.00	-11.62	Peak	156	176	P
3	5180.00	0.81	91.49	92.30	200.00	-107.70	Average	156	176	P
4	5180.00	0.81	100.99	101.80	200.00	-98.20	Peak	156	176	P
5	10360.00	3.67	45.31	48.98	68.20	-19.22	Peak	146	321	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH40 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

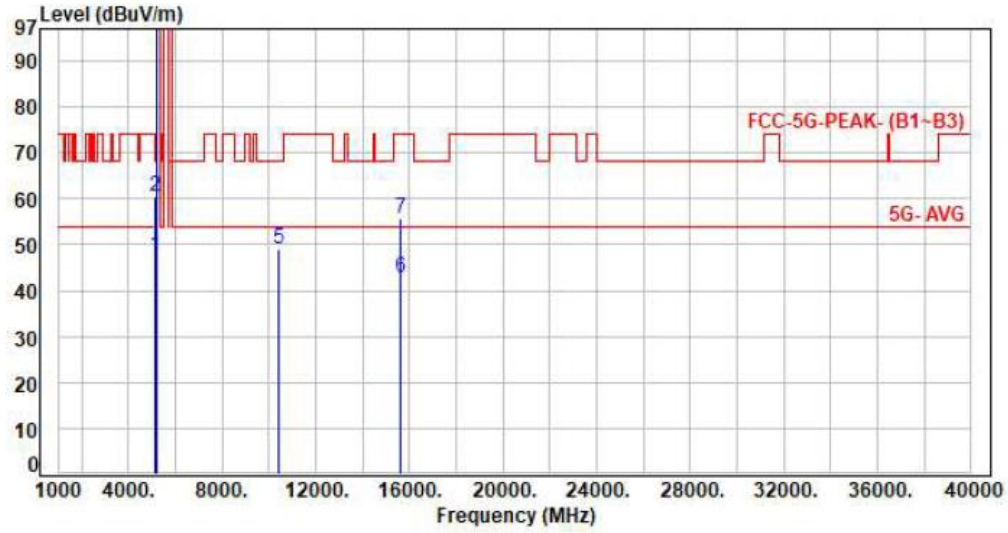


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	49.42	50.29	54.00	-3.71	Average	213	285	P
2	5150.00	0.87	62.73	63.60	74.00	-10.40	Peak	213	285	P
3	5200.00	0.77	103.87	104.64	200.00	-95.36	Average	213	285	P
4	5200.00	0.77	113.40	114.17	200.00	-85.83	Peak	213	285	P
5	10400.00	3.49	44.69	48.18	68.20	-20.02	Peak	288	284	P
6	15600.00	6.45	36.40	42.85	54.00	-11.15	Average	117	149	P
7	15600.00	6.45	49.21	55.66	74.00	-18.34	Peak	117	149	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH40 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

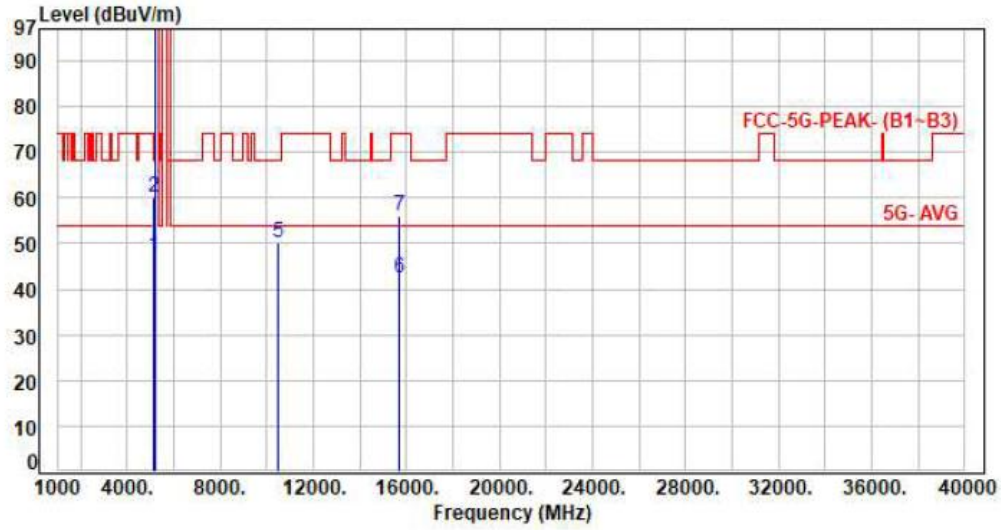


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	46.75	47.62	54.00	-6.38	Average	166	205	P
2	5150.00	0.87	59.54	60.41	74.00	-13.59	Peak	166	205	P
3	5200.00	0.77	96.31	97.08	200.00	-102.92	Average	166	205	P
4	5200.00	0.77	105.94	106.71	200.00	-93.29	Peak	166	205	P
5	10400.00	3.49	45.39	48.88	68.20	-19.32	Peak	196	244	P
6	15600.00	6.45	36.50	42.95	54.00	-11.05	Average	288	174	P
7	15600.00	6.45	49.15	55.60	74.00	-18.40	Peak	288	174	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH48 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

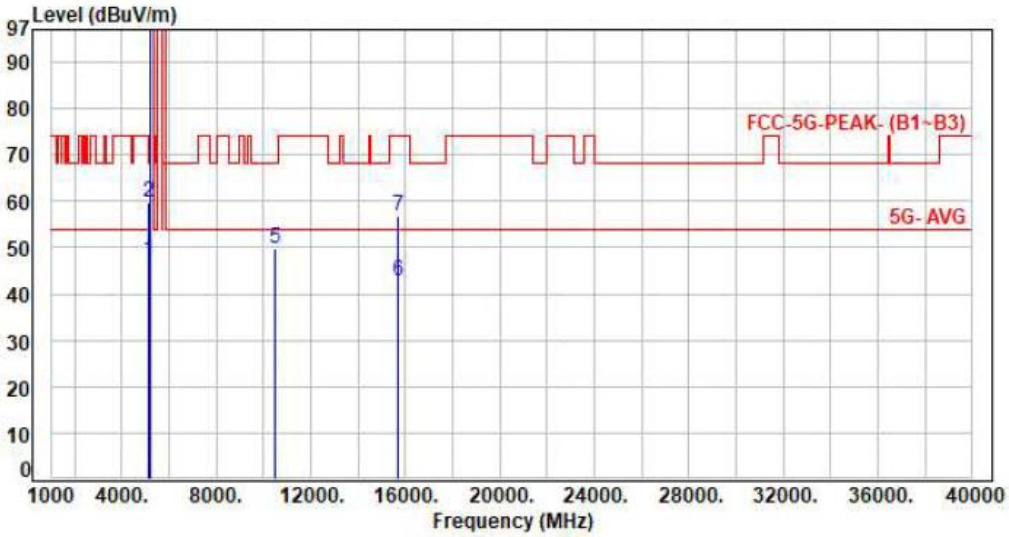


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	46.44	47.31	54.00	-6.69	Average	177	281	P
2	5150.00	0.87	59.10	59.97	74.00	-14.03	Peak	177	281	P
3	5240.00	0.61	103.23	103.84	200.00	-96.16	Average	177	281	P
4	5240.00	0.61	113.18	113.79	200.00	-86.21	Peak	177	281	P
5	10480.00	3.47	46.64	50.11	68.20	-18.09	Peak	156	256	P
6	15720.00	6.17	36.20	42.37	54.00	-11.63	Average	143	255	P
7	15720.00	6.17	49.87	56.04	74.00	-17.96	Peak	143	255	P

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

Test Mode	Mode 2, Band 1

Test Mode : 1TX 11ac20 CH48 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

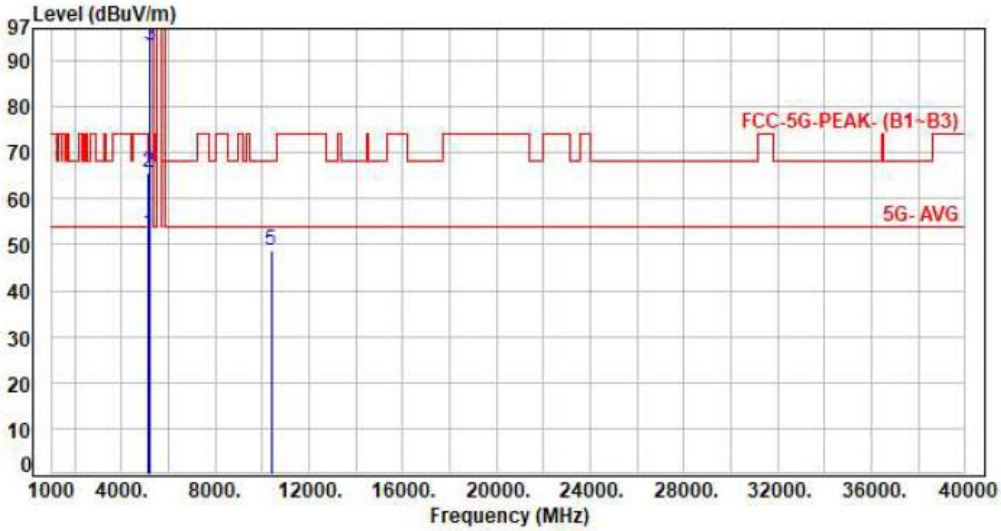


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	46.47	47.34	54.00	-6.66	Average	217	203	P
2	5150.00	0.87	58.90	59.77	74.00	-14.23	Peak	217	203	P
3	5240.00	0.61	98.68	99.29	200.00	-100.71	Average	217	203	P
4	5240.00	0.61	108.50	109.11	200.00	-90.89	Peak	217	203	P
5	10480.00	3.47	46.22	49.69	68.20	-18.51	Peak	141	233	P
6	15720.00	6.17	36.70	42.87	54.00	-11.13	Average	100	359	P
7	15720.00	6.17	50.68	56.85	74.00	-17.15	Peak	100	359	P

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

Test Mode	Mode 3, Band 1

Test Mode : 1TX 11ac40 CH38 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

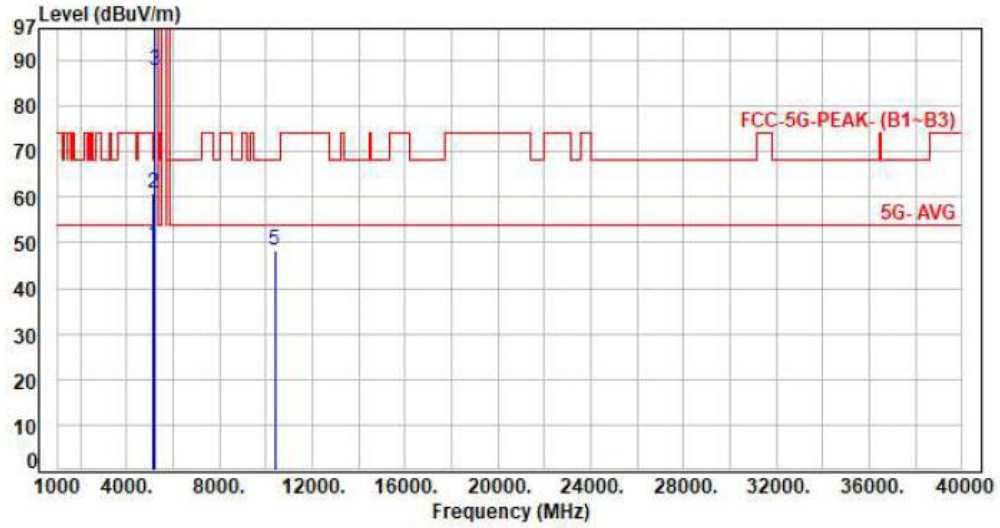


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	51.41	52.28	54.00	-1.72	Average	100	252	P
2	5150.00	0.87	64.95	65.82	74.00	-8.18	Peak	100	252	P
3	5190.00	0.79	92.54	93.33	200.00	-106.67	Average	100	252	P
4	5190.00	0.79	102.16	102.95	200.00	-97.05	Peak	100	252	P
5	10380.00	3.58	44.99	48.57	68.20	-19.63	Peak	148	288	P

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

Test Mode	Mode 3, Band 1

Test Mode : 1TX 11ac40 CH38 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

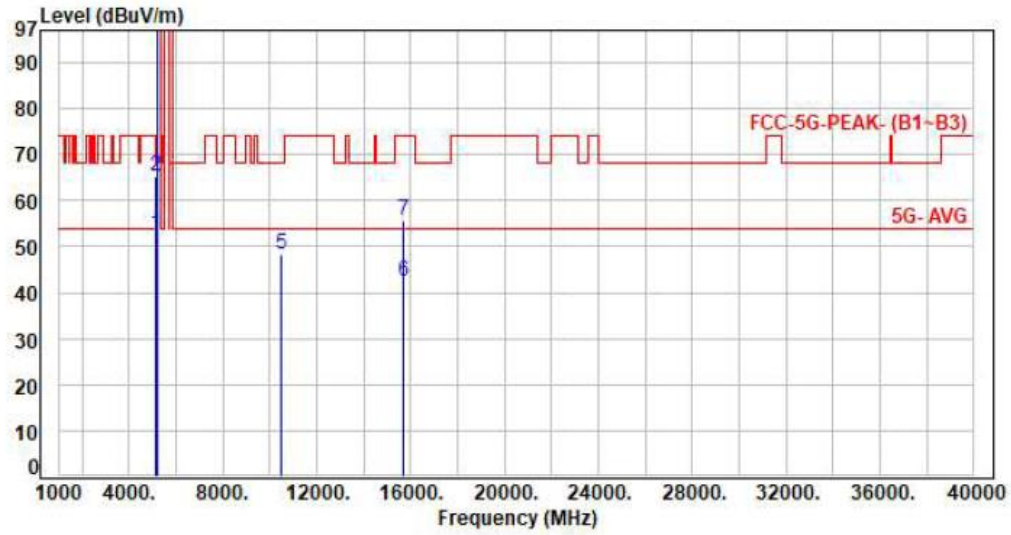


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	48.67	49.54	54.00	-4.46	Average	101	172	P
2	5150.00	0.87	60.04	60.91	74.00	-13.09	Peak	101	172	P
3	5190.00	0.79	87.07	87.86	200.00	-112.14	Average	101	172	P
4	5190.00	0.79	96.93	97.72	200.00	-102.28	Peak	101	172	P
5	10380.00	3.58	44.73	48.31	68.20	-19.89	Peak	255	158	P

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

Test Mode	Mode 3, Band 1

Test Mode : 1TX 11ac40 CH46 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

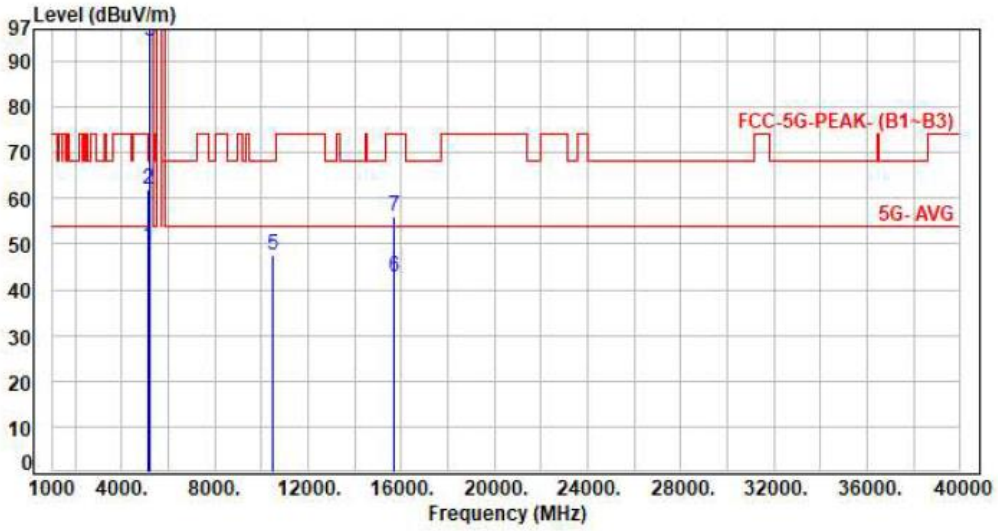


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	51.99	52.86	54.00	-1.14	Average	201	332	P
2	5150.00	0.87	64.42	65.29	74.00	-8.71	Peak	201	332	P
3	5230.00	0.65	100.17	100.82	200.00	-99.18	Average	201	332	P
4	5230.00	0.65	109.85	110.50	200.00	-89.50	Peak	201	332	P
5	10460.00	3.40	44.76	48.16	68.20	-20.04	Peak	188	282	P
6	15690.00	6.16	36.21	42.37	54.00	-11.63	Average	176	284	P
7	15690.00	6.16	49.61	55.77	74.00	-18.23	Peak	176	284	P

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

Test Mode	Mode 3, Band 1

Test Mode : 1TX 11ac40 CH46 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

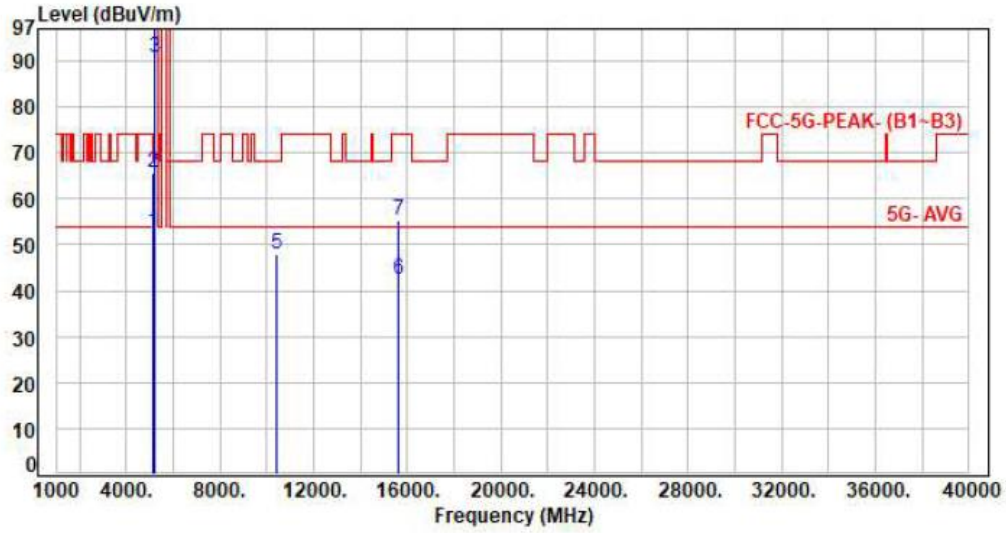


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	48.73	49.60	54.00	-4.40	Average	100	172	P
2	5150.00	0.87	61.25	62.12	74.00	-11.88	Peak	100	172	P
3	5230.00	0.65	93.92	94.57	200.00	-105.43	Average	100	172	P
4	5230.00	0.65	103.30	103.95	200.00	-96.05	Peak	100	172	P
5	10460.00	3.40	44.22	47.62	68.20	-20.58	Peak	141	214	P
6	15690.00	6.16	36.77	42.93	54.00	-11.07	Average	128	254	P
7	15690.00	6.16	49.84	56.00	74.00	-18.00	Peak	128	254	P

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

Test Mode	Mode 4, Band 1

Test Mode : 1TX 11ac80 CH42 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

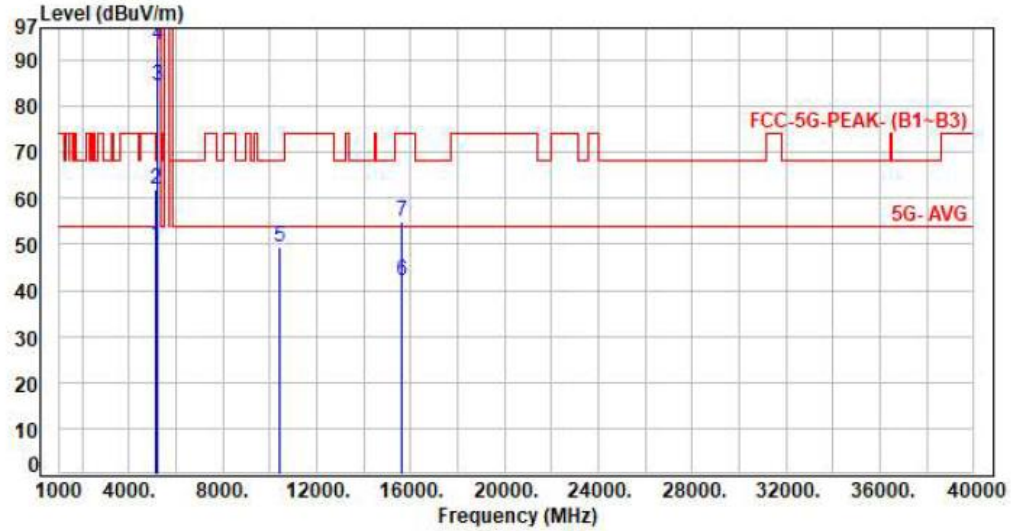


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	51.82	52.69	54.00	-1.31	Average	200	335	P
2	5150.00	0.87	64.78	65.65	74.00	-8.35	Peak	200	335	P
3	5210.00	0.73	90.08	90.81	200.00	-109.19	Average	200	335	P
4	5210.00	0.73	99.45	100.18	200.00	-99.82	Peak	200	335	P
5	10420.00	3.44	44.67	48.11	68.20	-20.09	Peak	244	349	P
6	15630.00	6.32	36.04	42.36	54.00	-11.64	Average	314	219	P
7	15630.00	6.32	48.92	55.24	74.00	-18.76	Peak	314	219	P

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

Test Mode	Mode 4, Band 1

Test Mode : 1TX 11ac80 CH42 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

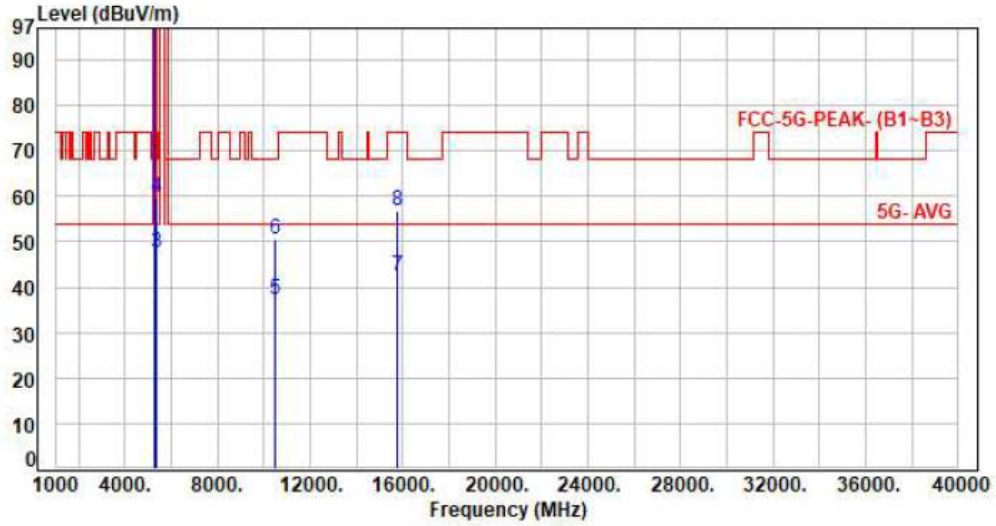


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	0.87	49.10	49.97	54.00	-4.03	Average	100	172	P
2	5150.00	0.87	60.94	61.81	74.00	-12.19	Peak	100	172	P
3	5210.00	0.73	83.58	84.31	200.00	-115.69	Average	100	172	P
4	5210.00	0.73	92.74	93.47	200.00	-106.53	Peak	100	172	P
5	10420.00	3.44	46.05	49.49	68.20	-18.71	Peak	111	221	P
6	15630.00	6.32	35.79	42.11	54.00	-11.89	Average	134	248	P
7	15630.00	6.32	48.64	54.96	74.00	-19.04	Peak	134	248	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH52 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

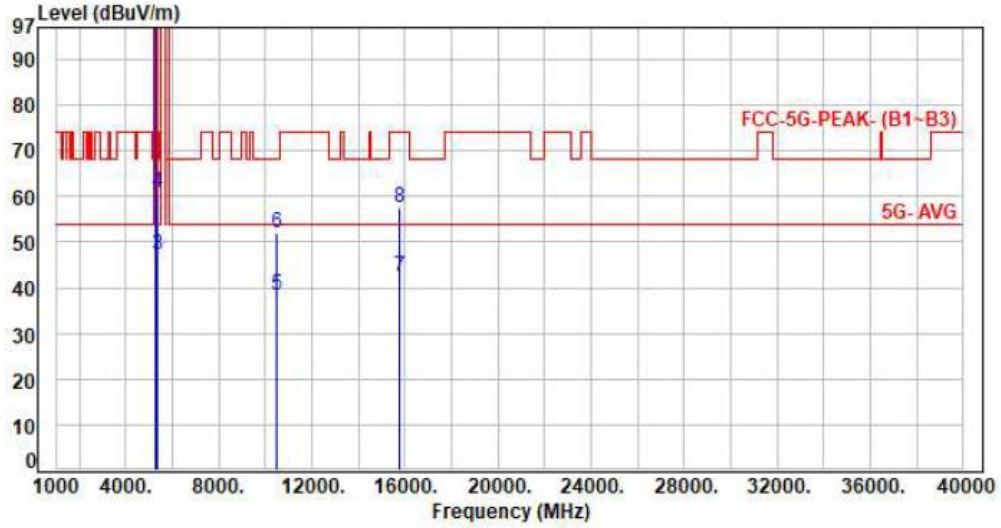


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	0.23	102.57	102.80	200.00	-97.20	Average	182	345	P
2	5260.00	0.23	111.85	112.08	200.00	-87.92	Peak	182	345	P
3	5350.00	0.25	47.23	47.48	54.00	-6.52	Average	182	345	P
4	5350.00	0.25	59.66	59.91	74.00	-14.09	Peak	182	345	P
5	10520.00	5.15	32.28	37.43	54.00	-16.57	Average	110	144	P
6	10520.00	5.15	45.51	50.66	68.20	-17.54	Peak	110	144	P
7	15780.00	8.17	34.19	42.36	54.00	-11.64	Average	149	288	P
8	15780.00	8.17	48.46	56.63	74.00	-17.37	Peak	149	288	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH52 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

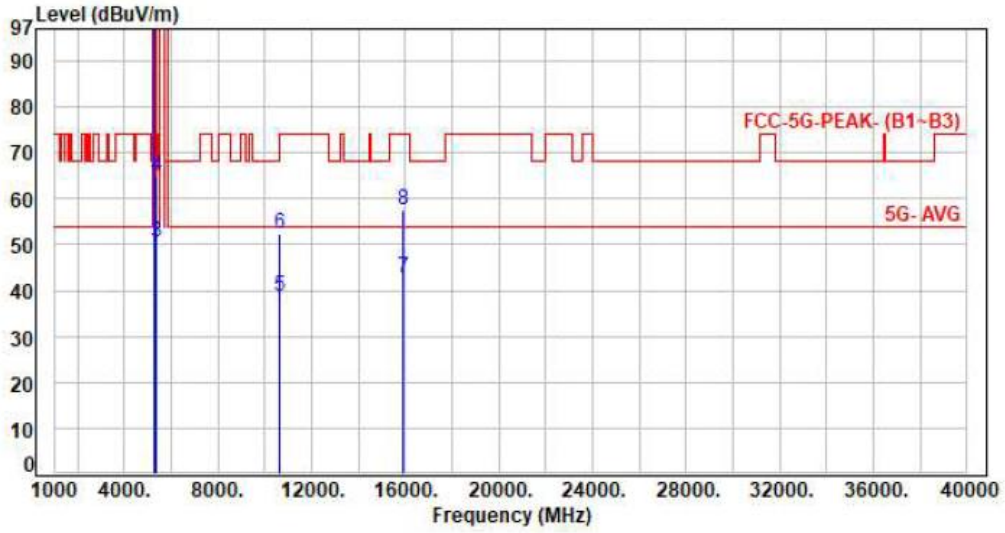


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	0.23	96.97	97.20	200.00	-102.80	Average	109	172	P
2	5260.00	0.23	106.85	107.08	200.00	-92.92	Peak	109	172	P
3	5350.00	0.25	47.08	47.33	54.00	-6.67	Average	109	172	P
4	5350.00	0.25	60.51	60.76	74.00	-13.24	Peak	109	172	P
5	10520.00	5.15	33.33	38.48	54.00	-15.52	Average	144	174	P
6	10520.00	5.15	46.84	51.99	68.20	-16.21	Peak	144	174	P
7	15780.00	8.17	34.37	42.54	54.00	-11.46	Average	231	279	P
8	15780.00	8.17	49.44	57.61	74.00	-16.39	Peak	231	279	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH60 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

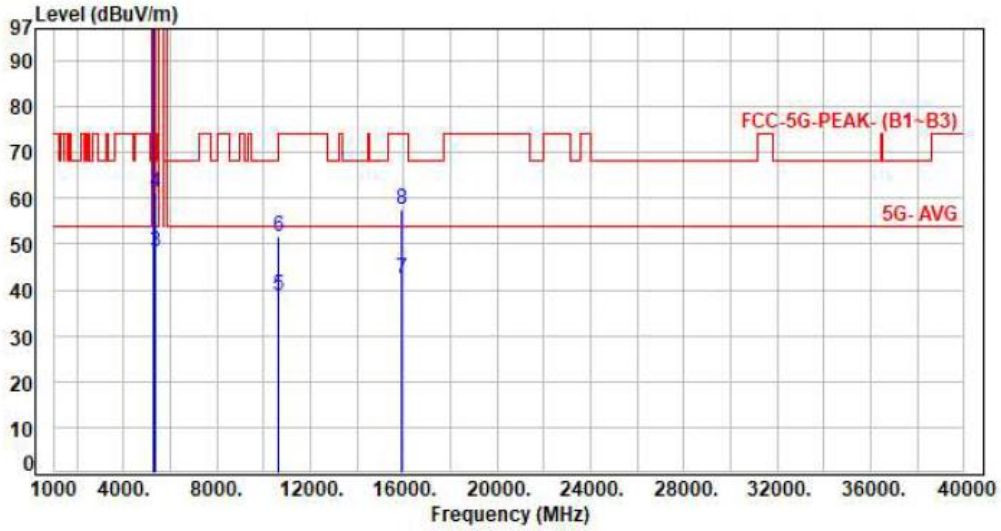


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	0.15	102.10	102.25	200.00	-97.75	Average	100	248	P
2	5300.00	0.15	111.16	111.31	200.00	-88.69	Peak	100	248	P
3	5350.00	0.25	50.32	50.57	54.00	-3.43	Average	100	248	P
4	5350.00	0.25	64.72	64.97	74.00	-9.03	Peak	100	248	P
5	10600.00	5.12	33.67	38.79	54.00	-15.21	Average	144	356	P
6	10600.00	5.12	47.38	52.50	74.00	-21.50	Peak	144	356	P
7	15900.00	8.53	34.21	42.74	54.00	-11.26	Average	109	125	P
8	15900.00	8.53	48.83	57.36	74.00	-16.64	Peak	109	125	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH60 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

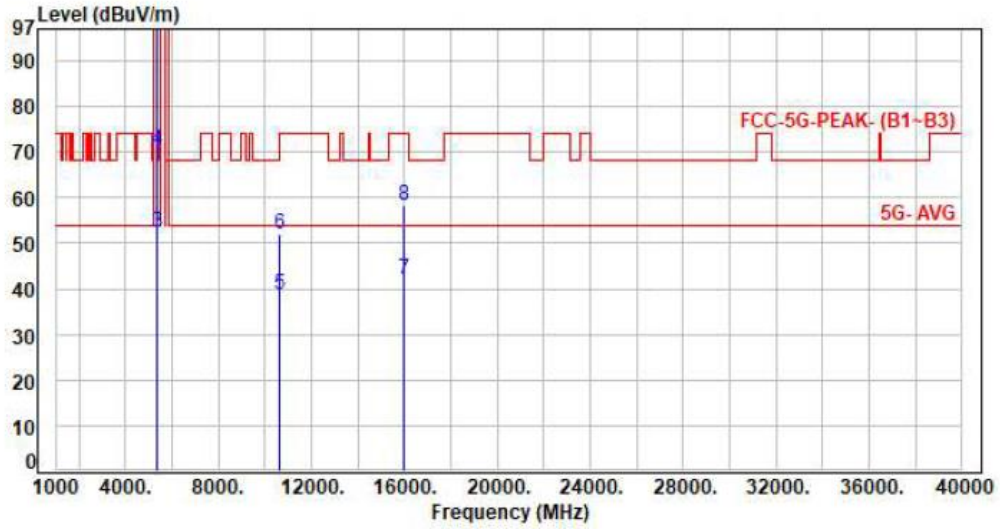


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	0.15	97.43	97.58	200.00	-102.42	Average	113	174	P
2	5300.00	0.15	106.88	107.03	200.00	-92.97	Peak	113	174	P
3	5350.00	0.25	48.07	48.32	54.00	-5.68	Average	113	174	P
4	5350.00	0.25	60.96	61.21	74.00	-12.79	Peak	113	174	P
5	10600.00	5.12	33.58	38.70	54.00	-15.30	Average	311	12	P
6	10600.00	5.12	46.56	51.68	74.00	-22.32	Peak	311	12	P
7	15900.00	8.53	33.72	42.25	54.00	-11.75	Average	151	251	P
8	15900.00	8.53	49.09	57.62	74.00	-16.38	Peak	151	251	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH64 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

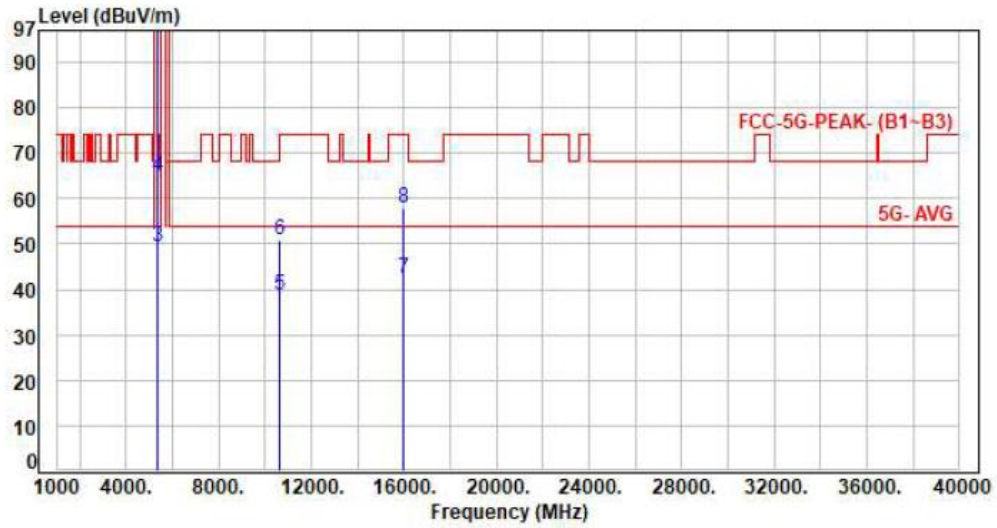


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	0.19	100.42	100.61	200.00	-99.39	Average	160	339	P
2	5320.00	0.19	109.96	110.15	200.00	-89.85	Peak	160	339	P
3	5350.00	0.25	52.09	52.34	54.00	-1.66	Average	160	339	P
4	5350.00	0.25	70.37	70.62	74.00	-3.38	Peak	160	339	P
5	10640.00	5.12	33.63	38.75	54.00	-15.25	Average	123	321	P
6	10640.00	5.12	46.73	51.85	74.00	-22.15	Peak	123	321	P
7	15960.00	8.30	33.86	42.16	54.00	-11.84	Average	211	142	P
8	15960.00	8.30	49.94	58.24	74.00	-15.76	Peak	211	142	P

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

Test Mode	Mode 1, Band 2

Test Mode : 1TX 11a CH64 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

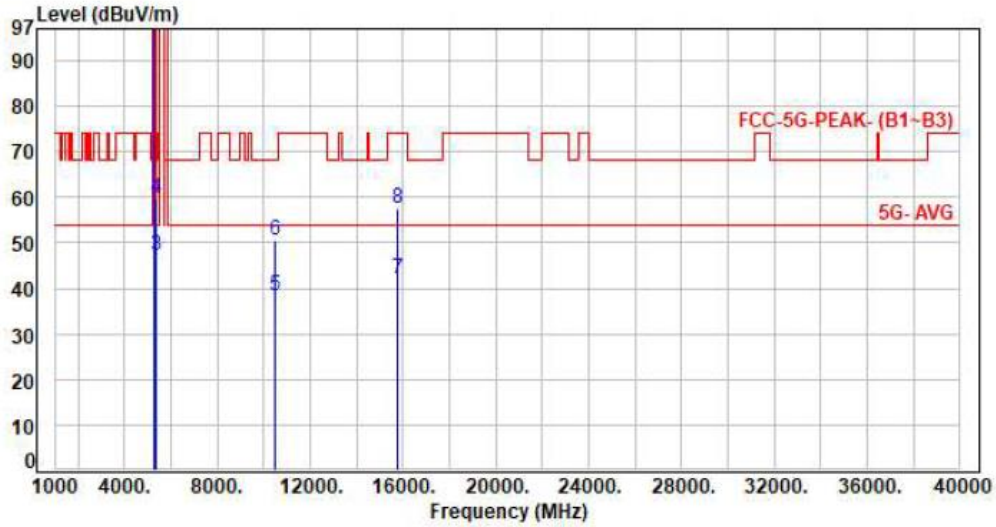


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	0.19	94.88	95.07	200.00	-104.93	Average	192	174	P
2	5320.00	0.19	104.34	104.53	200.00	-95.47	Peak	192	174	P
3	5350.00	0.25	49.10	49.35	54.00	-4.65	Average	192	174	P
4	5350.00	0.25	64.67	64.92	74.00	-9.08	Peak	192	174	P
5	10640.00	5.12	33.68	38.80	54.00	-15.20	Average	114	224	P
6	10640.00	5.12	45.91	51.03	74.00	-22.97	Peak	114	224	P
7	15960.00	8.30	33.94	42.24	54.00	-11.76	Average	143	285	P
8	15960.00	8.30	49.63	57.93	74.00	-16.07	Peak	143	285	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH52 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

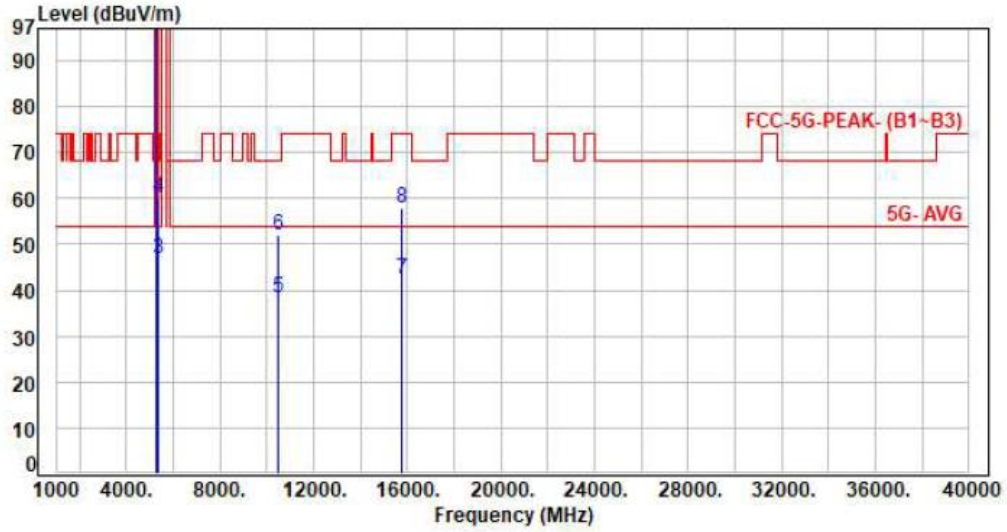


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	0.23	102.41	102.64	200.00	-97.36	Average	259	144	P
2	5260.00	0.23	113.17	113.40	200.00	-86.60	Peak	259	144	P
3	5350.00	0.25	46.81	47.06	54.00	-6.94	Average	259	144	P
4	5350.00	0.25	59.54	59.79	74.00	-14.21	Peak	259	144	P
5	10520.00	5.15	33.29	38.44	54.00	-15.56	Average	213	131	P
6	10520.00	5.15	45.34	50.49	68.20	-17.71	Peak	213	131	P
7	15780.00	8.17	34.03	42.20	54.00	-11.80	Average	111	112	P
8	15780.00	8.17	49.21	57.38	74.00	-16.62	Peak	111	112	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH52 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

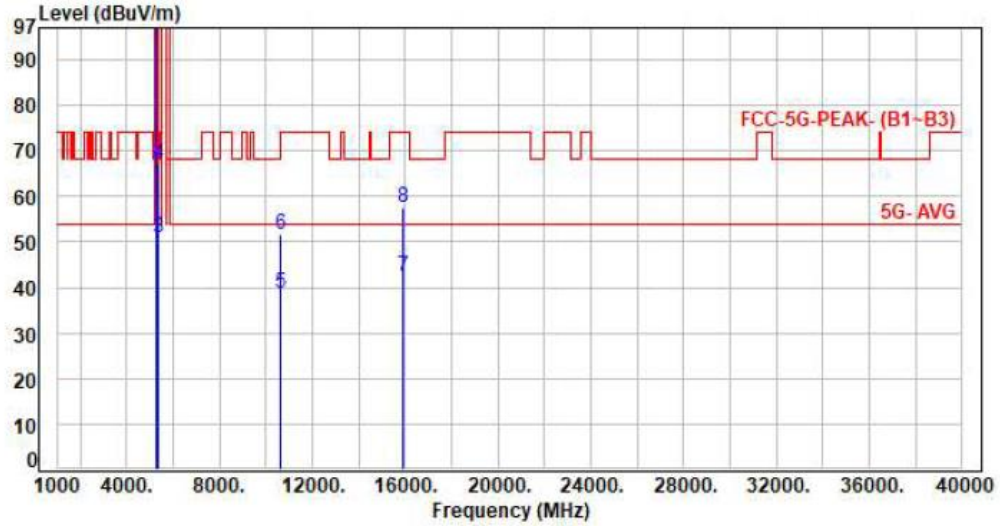


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	0.23	96.06	96.29	200.00	-103.71	Average	113	174	P
2	5260.00	0.23	107.20	107.43	200.00	-92.57	Peak	113	174	P
3	5350.00	0.25	46.68	46.93	54.00	-7.07	Average	113	174	P
4	5350.00	0.25	60.02	60.27	74.00	-13.73	Peak	113	174	P
5	10520.00	5.15	33.31	38.46	54.00	-15.54	Average	294	318	P
6	10520.00	5.15	46.67	51.82	68.20	-16.38	Peak	294	318	P
7	15780.00	8.17	34.31	42.48	54.00	-11.52	Average	144	354	P
8	15780.00	8.17	49.69	57.86	74.00	-16.14	Peak	144	354	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH60 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

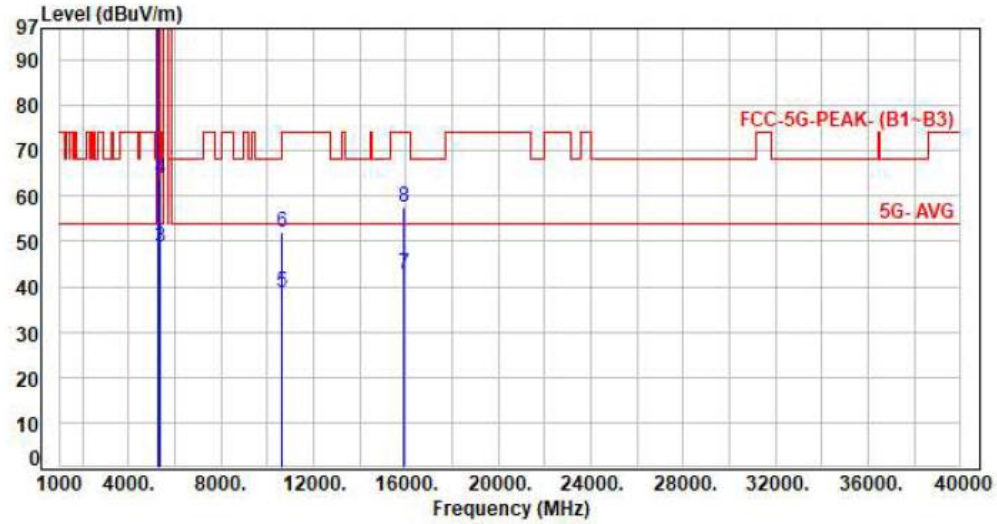


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	0.15	102.21	102.36	200.00	-97.64	Average	100	251	P
2	5300.00	0.15	112.02	112.17	200.00	-87.83	Peak	100	251	P
3	5350.00	0.25	50.69	50.94	54.00	-3.06	Average	100	251	P
4	5350.00	0.25	67.02	67.27	74.00	-6.73	Peak	100	251	P
5	10600.00	5.12	33.72	38.84	54.00	-15.16	Average	122	311	P
6	10600.00	5.12	46.42	51.54	74.00	-22.46	Peak	122	311	P
7	15900.00	8.53	33.71	42.24	54.00	-11.76	Average	145	348	P
8	15900.00	8.53	49.01	57.54	74.00	-16.46	Peak	145	348	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH60 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

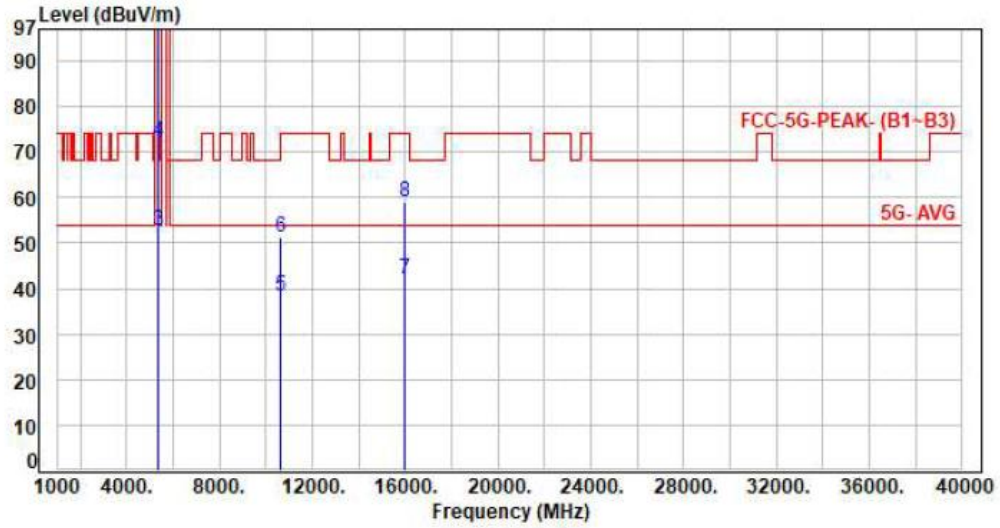


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	0.15	96.95	97.10	200.00	-102.90	Average	102	174	P
2	5300.00	0.15	107.53	107.68	200.00	-92.32	Peak	102	174	P
3	5350.00	0.25	48.59	48.84	54.00	-5.16	Average	102	174	P
4	5350.00	0.25	63.66	63.91	74.00	-10.09	Peak	102	174	P
5	10600.00	5.12	33.56	38.68	54.00	-15.32	Average	117	199	P
6	10600.00	5.12	47.04	52.16	74.00	-21.84	Peak	117	199	P
7	15900.00	8.53	34.31	42.84	54.00	-11.16	Average	100	141	P
8	15900.00	8.53	49.07	57.60	74.00	-16.40	Peak	100	141	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH64 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

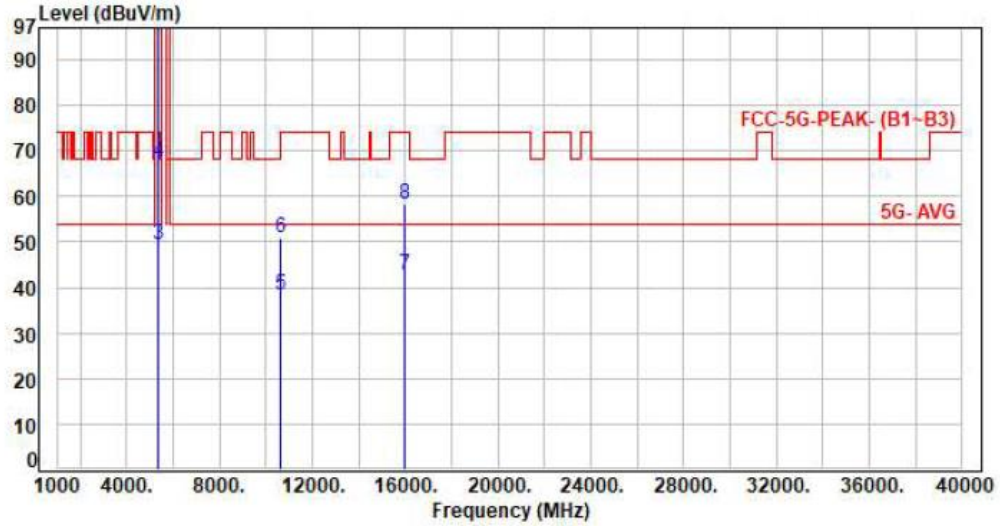


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	0.19	99.92	100.11	200.00	-99.89	Average	162	336	P
2	5320.00	0.19	109.86	110.05	200.00	-89.95	Peak	162	336	P
3	5350.00	0.25	52.46	52.71	54.00	-1.29	Average	162	336	P
4	5350.00	0.25	71.92	72.17	74.00	-1.83	Peak	162	336	P
5	10640.00	5.12	33.39	38.51	54.00	-15.49	Average	143	147	P
6	10640.00	5.12	46.25	51.37	74.00	-22.63	Peak	143	147	P
7	15960.00	8.30	33.87	42.17	54.00	-11.83	Average	123	342	P
8	15960.00	8.30	50.68	58.98	74.00	-15.02	Peak	123	342	P

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

Test Mode	Mode 2, Band 2

Test Mode : 1TX 11ac20 CH64 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

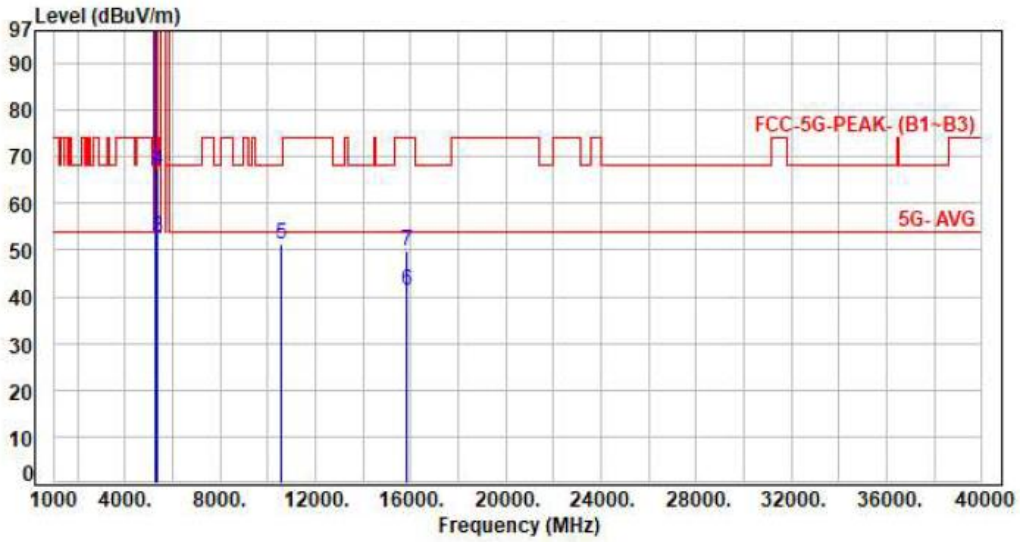


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	0.19	94.07	94.26	200.00	-105.74	Average	191	174	P
2	5320.00	0.19	103.87	104.06	200.00	-95.94	Peak	191	174	P
3	5350.00	0.25	49.20	49.45	54.00	-4.55	Average	191	174	P
4	5350.00	0.25	67.32	67.57	74.00	-6.43	Peak	191	174	P
5	10640.00	5.12	33.42	38.54	54.00	-15.46	Average	313	321	P
6	10640.00	5.12	45.77	50.89	74.00	-23.11	Peak	313	321	P
7	15960.00	8.30	34.49	42.79	54.00	-11.21	Average	147	285	P
8	15960.00	8.30	49.94	58.24	74.00	-15.76	Peak	147	285	P

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

Test Mode	Mode 3, Band 2

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

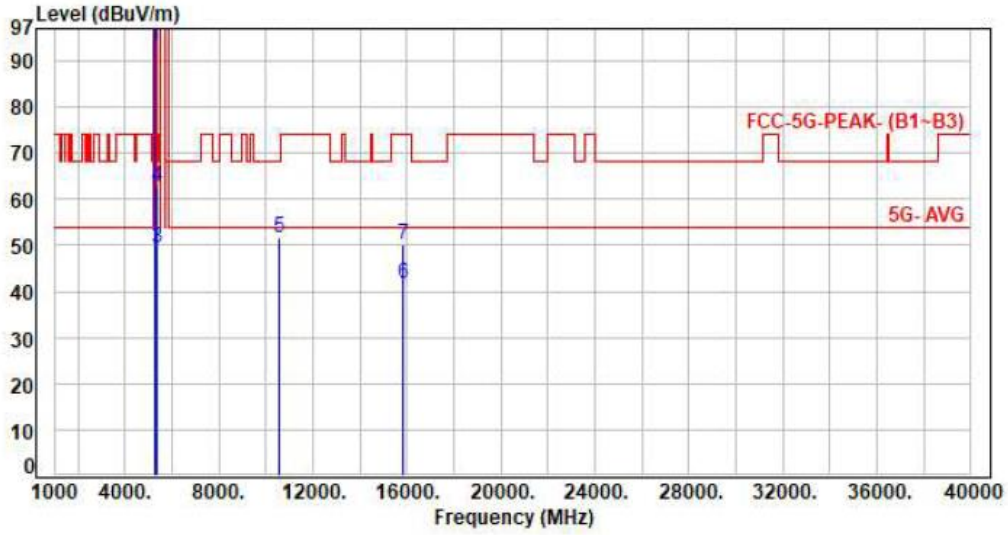


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	0.21	98.58	98.79	200.00	-101.21	Average	168	338	P
2	5270.00	0.21	109.15	109.36	200.00	-90.64	Peak	168	338	P
3	5350.00	0.25	52.58	52.83	54.00	-1.17	Average	168	338	P
4	5350.00	0.25	66.97	67.22	74.00	-6.78	Peak	168	338	P
5	10540.00	5.14	46.23	51.37	68.20	-16.83	Peak	147	134	P
6	15810.00	8.25	33.15	41.40	54.00	-12.60	Average	100	188	P
7	15810.00	8.25	41.62	49.87	74.00	-24.13	Peak	100	188	P

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

Test Mode	Mode 3, Band 2

Test Mode : 1TX 11ac40 CH54 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

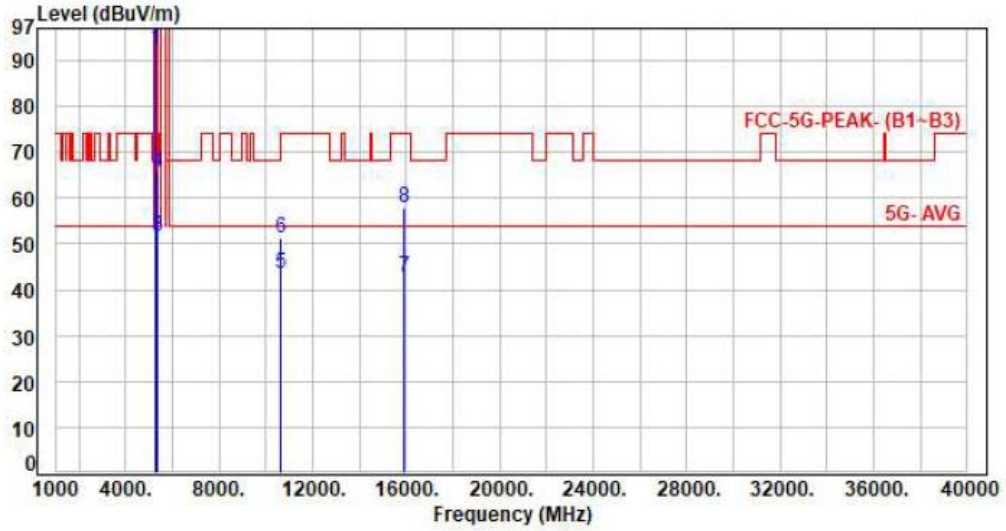


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	0.21	93.13	93.34	200.00	-106.66	Average	106	174	P
2	5270.00	0.21	103.59	103.80	200.00	-96.20	Peak	106	174	P
3	5350.00	0.25	49.09	49.34	54.00	-4.66	Average	106	174	P
4	5350.00	0.25	62.47	62.72	74.00	-11.28	Peak	106	174	P
5	10540.00	5.14	46.37	51.51	68.20	-16.69	Peak	149	33	P
6	15810.00	8.25	33.30	41.55	54.00	-12.45	Average	100	117	P
7	15810.00	8.25	41.94	50.19	74.00	-23.81	Peak	100	117	P

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

Test Mode	Mode 3, Band 2

Test Mode : 1TX 11ac40 CH62 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

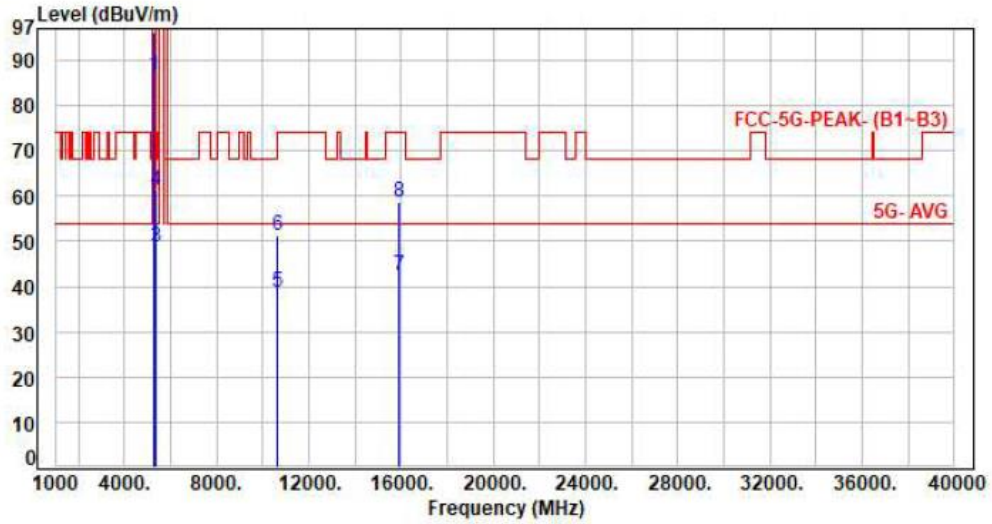


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	0.17	92.36	92.53	200.00	-107.47	Average	161	335	P
2	5310.00	0.17	102.52	102.69	200.00	-97.31	Peak	161	335	P
3	5350.00	0.25	51.29	51.54	54.00	-2.46	Average	161	335	P
4	5350.00	0.25	65.52	65.77	74.00	-8.23	Peak	161	335	P
5	10620.00	5.11	38.45	43.56	54.00	-10.44	Average	103	221	P
6	10620.00	5.11	46.01	51.12	74.00	-22.88	Peak	103	221	P
7	15930.00	8.40	34.41	42.81	54.00	-11.19	Average	112	114	P
8	15930.00	8.40	49.47	57.87	74.00	-16.13	Peak	112	114	P

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

Test Mode	Mode 3, Band 2

Test Mode : 1TX 11ac40 CH62 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

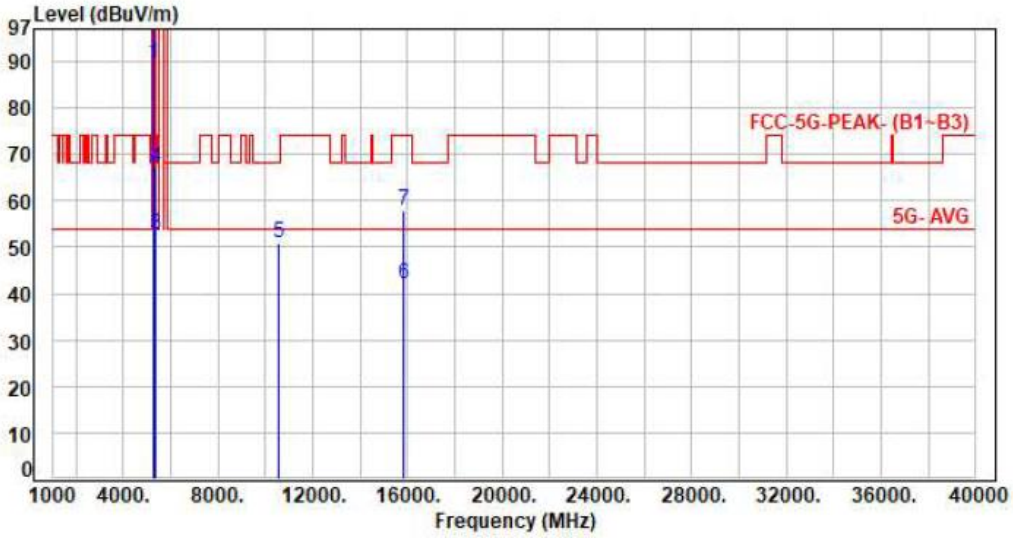


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	0.17	86.56	86.73	200.00	-113.27	Average	100	173	P
2	5310.00	0.17	96.16	96.33	200.00	-103.67	Peak	100	173	P
3	5350.00	0.25	48.60	48.85	54.00	-5.15	Average	100	173	P
4	5350.00	0.25	60.79	61.04	74.00	-12.96	Peak	100	173	P
5	10620.00	5.11	33.57	38.68	54.00	-15.32	Average	188	175	P
6	10620.00	5.11	46.06	51.17	74.00	-22.83	Peak	188	175	P
7	15930.00	8.40	33.83	42.23	54.00	-11.77	Average	112	141	P
8	15930.00	8.40	50.07	58.47	74.00	-15.53	Peak	112	141	P

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

Test Mode	Mode 4, Band 2

Test Mode : 1TX 11ac80 CH58 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical

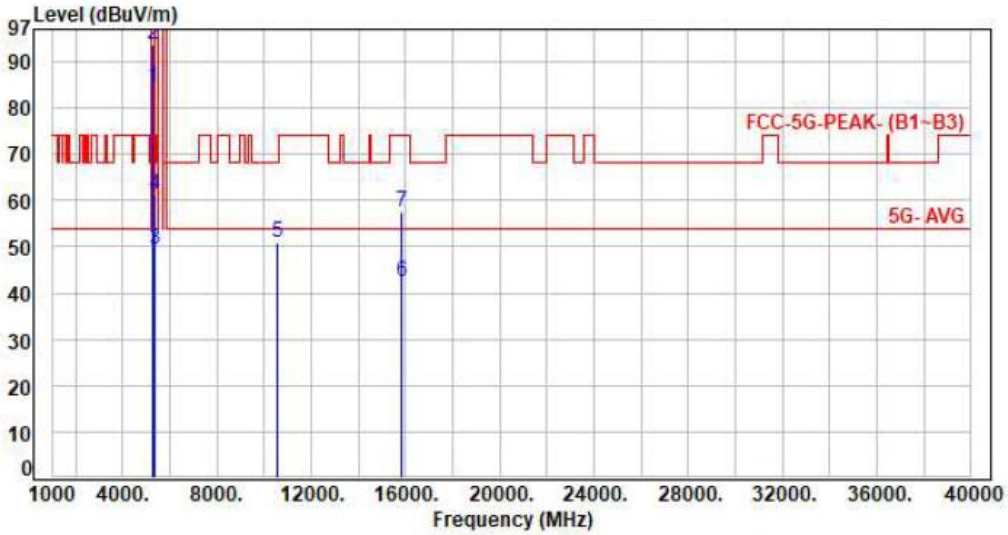


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	0.17	89.42	89.59	200.00	-110.41	Average	176	337	P
2	5290.00	0.17	98.82	98.99	200.00	-101.01	Peak	176	337	P
3	5350.00	0.25	52.50	52.75	54.00	-1.25	Average	176	337	P
4	5350.00	0.25	66.91	67.16	74.00	-6.84	Peak	176	337	P
5	10580.00	5.13	45.66	50.79	68.20	-17.41	Peak	177	163	P
6	15870.00	8.44	33.61	42.05	54.00	-11.95	Average	104	314	P
7	15870.00	8.44	49.29	57.73	74.00	-16.27	Peak	104	314	P

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

Test Mode	Mode 4, Band 2

Test Mode : 1TX 11ac80 CH58 NSS1 MCS0
Voltage : From Adapter(AC 120/60Hz)
Pol : Horizontal

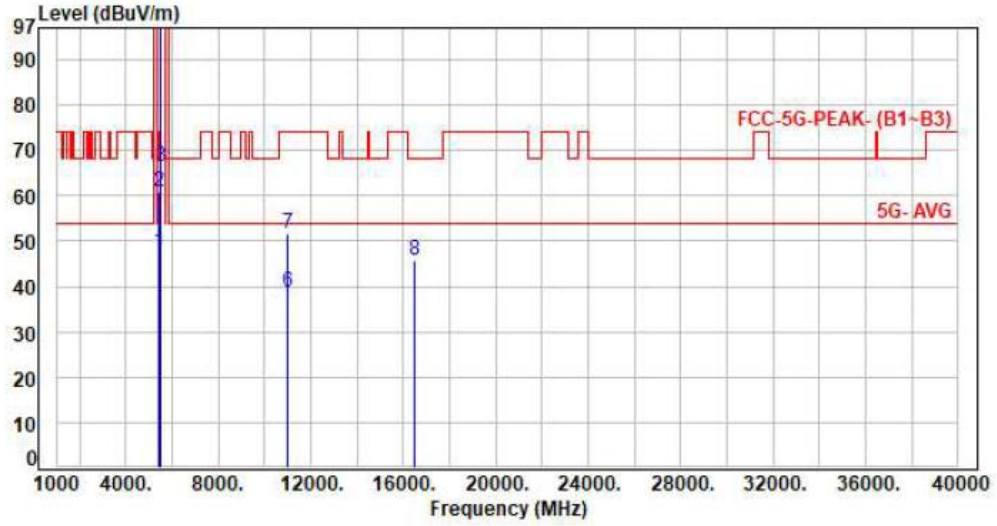


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	0.17	84.22	84.39	200.00	-115.61	Average	107	174	P
2	5290.00	0.17	93.48	93.65	200.00	-106.35	Peak	107	174	P
3	5350.00	0.25	49.21	49.46	54.00	-4.54	Average	107	174	P
4	5350.00	0.25	60.86	61.11	74.00	-12.89	Peak	107	174	P
5	10580.00	5.13	45.87	51.00	68.20	-17.20	Peak	194	288	P
6	15870.00	8.44	33.79	42.23	54.00	-11.77	Average	134	325	P
7	15870.00	8.44	49.26	57.70	74.00	-16.30	Peak	134	325	P

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

Test Mode	Mode 1, Band 3

Test Mode : 1TX 11a CH100 6Mbps
Voltage : From Adapter(AC 120/60Hz)
Pol : Vertical



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	0.31	47.14	47.45	54.00	-6.55	Average	185	122	P
2	5460.00	0.31	60.69	61.00	74.00	-13.00	Peak	185	122	P
3	5470.00	0.37	66.20	66.57	68.20	-1.63	Peak	185	122	P
4	5500.00	0.55	96.41	96.96	200.00	-103.04	Average	185	122	P
5	5500.00	0.55	106.89	107.44	200.00	-92.56	Peak	185	122	P
6	11000.00	5.25	33.30	38.55	54.00	-15.45	Average	195	141	P
7	11000.00	5.25	46.56	51.81	74.00	-22.19	Peak	195	141	P
8	16500.00	7.40	38.44	45.84	68.20	-22.36	Peak	174	147	P

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