FCC RADIO TEST REPORT

Applicant	:	Ubiquiti Inc.
Address	:	685 Third Avenue, New York, New York 10017, USA
Equipment	:	G6 Instant
Model No.	:	UVC-G6-INS-W
Trade Name	:	UBIQUITI
FCC ID	:	SWX-UVCG6I

I HEREBY CERTIFY THAT :

The sample was received on Jan. 02, 2025 and the testing was completed on Jan. 21, 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
24120342-TRFCC06	Feb. 21, 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.

2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Frequency Range	BT/BLE: 2400-2483.5MHz 802.11b/g/n: 2400-2483.5MHz 802.11a/n/ac: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
Center Frequency Range	BT/BLE: 2402-2480MHz 802.11b/g/n: 2412MHz-2462MHz 802.11a/n/ac: 5180-5240MHz, 5260-5320MHz, 5500-5720MHz, 5745-5825MHz
Modulation Type	BT: GFSK, π /4-DQPSK, 8DPSK BLE: GFSK WLAN: 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	FHSS, DTS, DSSS, OFDM
Data Rate	BT: GFSK: 1Mbps, π /4-DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps, 2Mbps WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – 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	PIFA Antenna
Antenna Gain	For BT / BLE: 2400MHz-2500MHz: 5.5dBi For WLAN: 2400MHz-2500MHz: 5.5dBi 5180MHz-5850MHz: 4.5dBi
Type C Adapter	UBIQUITI \ NY-PW0B3-05002000

Note:
1. EUT support TPC Function.
2. EUT supports DFS Client Mode, without radar detection.
3. 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

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, ”Tera Term Ver.: 4.88” 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	802.11a (6Mbps), TX Mode, Power from System (AC 120V/60Hz)
Test Mode 2	802.11a (6Mbps), TX Mode, Power from System (AC 240V/60Hz)
Test Mode 3	Power On Mode, Power from Adapter (AC 120V/60Hz)
Test Mode 4	Power On Mode, Power from Adapter (AC 240V/60Hz)
caused "Test Mode 4" generated the worst case, it was reported as the final data.	
Radiated Emissions (30MHz ~ 1GHz)	
Test Mode 1	802.11a (6Mbps), TX Mode, Power from System (AC 120V/60Hz)
Test Mode 2	802.11a (6Mbps), TX Mode, Power from System (AC 240V/60Hz)
Test Mode 3	Power On Mode, Power from Adapter (AC 120V/60Hz)
Test Mode 4	Power On Mode, Power from Adapter (AC 240V/60Hz)
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 System (AC 120V/60Hz)
Test Mode 2	802.11ac VHT20 (6.5Mbps), TX Mode, Power from System (AC 120V/60Hz)
Test Mode 3	802.11ac VHT40 (13.5Mbps), TX Mode, Power from System (AC 120V/60Hz)
Test Mode 4	802.11ac VHT80 (29.3Mbps), TX Mode, Power from System (AC 120V/60Hz)
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
Type-C Cable (Blue)	kolin	KEX-DLCP08	1m / NS	N/A

Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	DELL	Latitude E5470	N/A	Adapter / 1.8m / NS
Type-C to USB-A Adapter	Baseus	Type-C to USB-A	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
Type-C to USB-A Adapter	Baseus	Type-C to USB-A	N/A	N/A

2.5. General Information of Test

Organization	Cerpass Technology Corp.	
☒ 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	23.4°C / 45%	Leon Huang
RF Conducted	RFCON01-NK	2025/01/18	26.8°C / 48%	Leon Huang
RF Conducted	RFCON01-NK	2025/01/19	23.4°C / 46%	Leon Huang
RF Conducted	RFCON01-NK	2025/01/20	23.9°C / 47%	Leon Huang
RF Conducted	RFCON01-NK	2025/01/21	24.7°C / 45%	Leon Huang
Radiated Emissions	3M02-NK	2025/01/17	22.7°C / 49%	Leon Huang
Radiated Emissions	3M02-NK	2025/01/18	24.7°C / 53%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2025/01/19	21.7°C / 55%	Park Chen

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(3M02-NK)				
Instrument	**Manufacturer**	**Model No**	**Serial No**	**Calibration Date**	**Valid Date**
Bilog Antenna	Schwarzbeck	VULB9168	369	2024/02/19	2025/02/18
Active Loop Antenna	EMCO	6507	00040855	2024/05/02	2025/05/01
Horn Antenna	EMCO	3115	31589	2024/02/26	2025/02/25
Horn Antenna	EMCO	3116	31970	2024/02/23	2025/02/22
EMI Receiver	R&S	ESR 7	101906	2024/05/13	2025/05/12
Spectrum Analyzer	R&S	FSV 40-N	101329	2024/07/16	2025/07/15
Preamplifier	Agilent	8449B	3008A01954	2024/03/01	2025/02/28
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2024/10/15	2025/10/14
Preamplifier	EM Electronics corp.	EM330	60659	2024/12/16	2025/12/15
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2024/08/08	2025/08/07
Cable-3in1 (30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2024/02/23	2025/02/22
Cable-0.5m (1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2024/03/05	2025/03/04
Cable-3m (1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2024/03/05	2025/03/04
Cable-8m (1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2024/03/05	2025/03/04
Cable-3m (10M-40G)	HUBER SUHNER	SF102	804619/2	2024/10/14	2025/10/13
Cable-1m (10M-40G)	HUBER SUHNER	SF102	804398/2	2024/10/14	2025/10/13
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
Highpass 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
Hipass 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
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2024/08/08	2025/08/07
LISN	Schwarzbeck	NSLK 8127	8127740	2024/08/27	2025/08/26
Two-Line V-Network	R&S	ENV216	102185	2024/08/27	2025/08/26
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	PIFA Antenna
Antenna Gain	5180MHz-5850MHz: 4.5dBi

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.

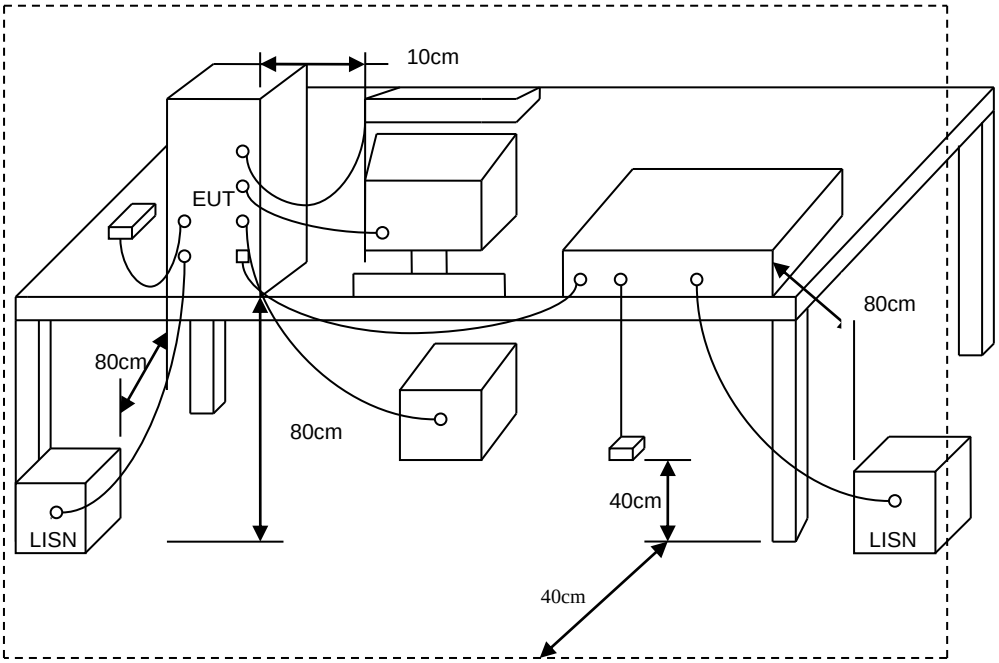
Frequency (MHz)	Quasi Peak (dBμV)	Average (dBμV)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*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.

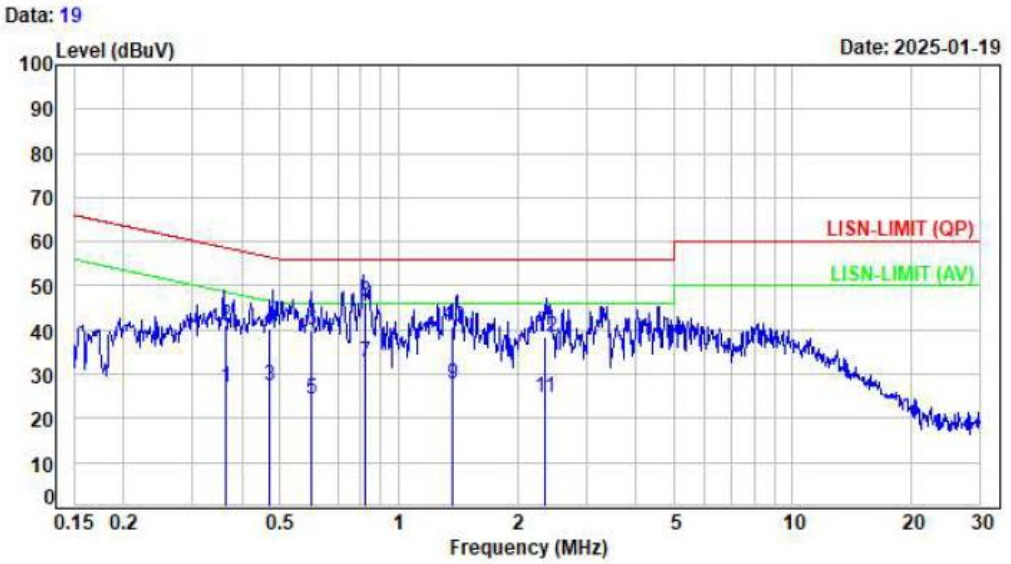
5.3. Typical Test Setup



5.4. Test Result and Data

Test Mode	Mode 4

Test Mode : Power On
Voltage : From Adapter(AC 240V/60Hz)
Phase : Line

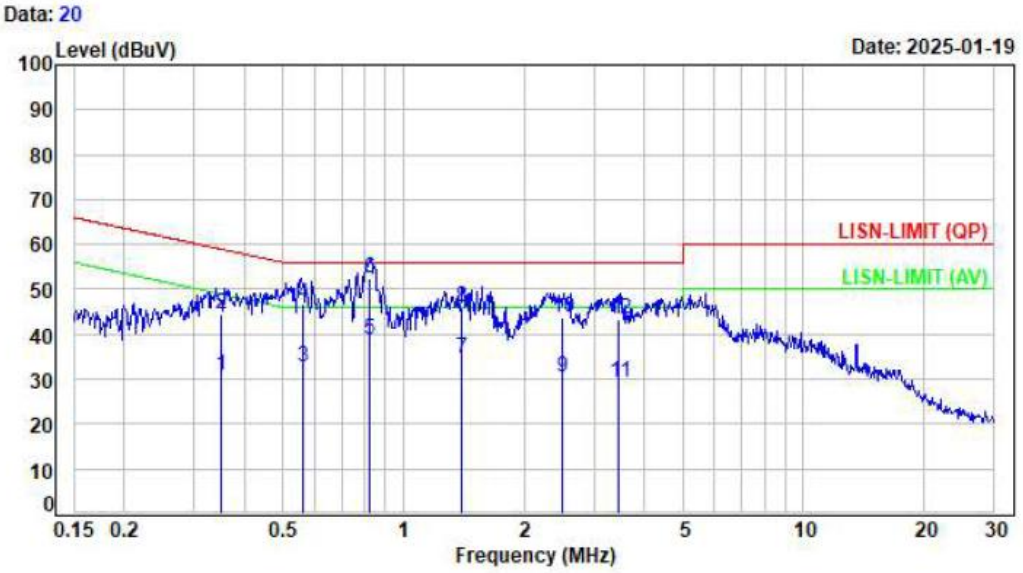


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.3642	9.65	17.19	26.84	48.63	-21.79	Average	P
2	0.3642	9.65	31.36	41.01	58.63	-17.62	QP	P
3	0.4714	9.65	17.60	27.25	46.49	-19.24	Average	P
4	0.4714	9.65	30.54	40.19	56.49	-16.30	QP	P
5	0.5978	9.66	14.72	24.38	46.00	-21.62	Average	P
6	0.5978	9.66	30.35	40.01	56.00	-15.99	QP	P
7	0.8258	9.65	22.99	32.64	46.00	-13.36	Average	P
8	0.8258	9.65	36.55	46.20	56.00	-9.80	QP	P
9	1.3718	9.67	17.92	27.59	46.00	-18.41	Average	P
10	1.3718	9.67	31.08	40.75	56.00	-15.25	QP	P
11	2.3484	9.70	15.07	24.77	46.00	-21.23	Average	P
12	2.3484	9.70	28.63	38.33	56.00	-17.67	QP	P

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

Test Mode	Mode 4

Test Mode : Power On
Voltage : From Adapter(AC 240V/60Hz)
Phase : Neutral



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.3499	9.62	21.31	30.93	48.97	-18.04	Average	P
2	0.3499	9.62	34.98	44.60	58.97	-14.37	QP	P
3	0.5600	9.62	23.10	32.72	46.00	-13.28	Average	P
4	0.5600	9.62	37.06	46.68	56.00	-9.32	QP	P
5	0.8217	9.64	28.98	38.62	46.00	-7.38	Average	P
6	0.8217	9.64	42.99	52.63	56.00	-3.37	QP	P
7	1.4021	9.66	25.02	34.68	46.00	-11.32	Average	P
8	1.4021	9.66	36.30	45.96	56.00	-10.04	QP	P
9	2.4859	9.68	20.63	30.31	46.00	-15.69	Average	P
10	2.4859	9.68	34.08	43.76	56.00	-12.24	QP	P
11	3.4551	9.71	19.71	29.42	46.00	-16.58	Average	P
12	3.4551	9.71	33.48	43.19	56.00	-12.81	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.

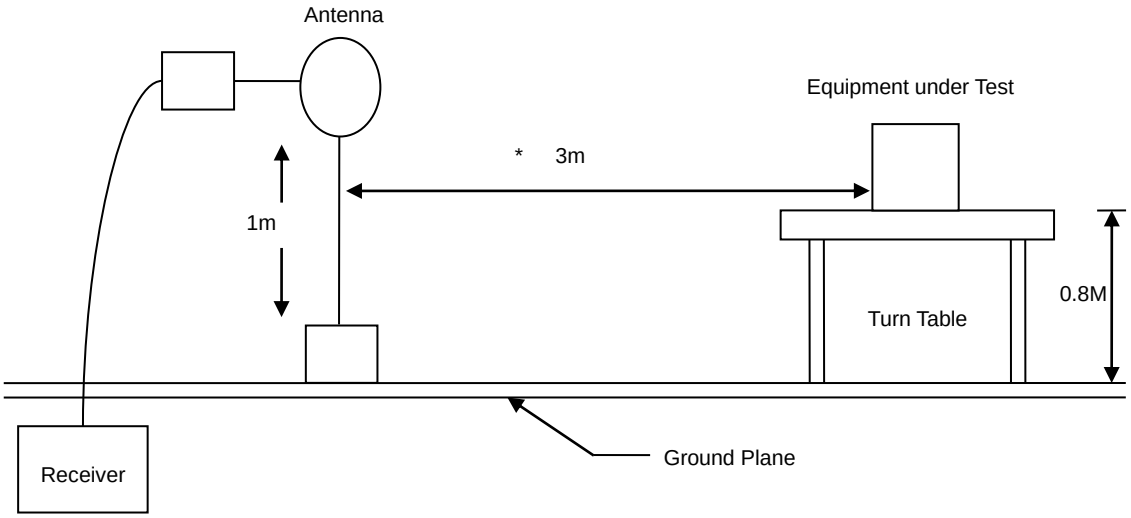
Note:

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.
(Y-AXIS is the worst.)

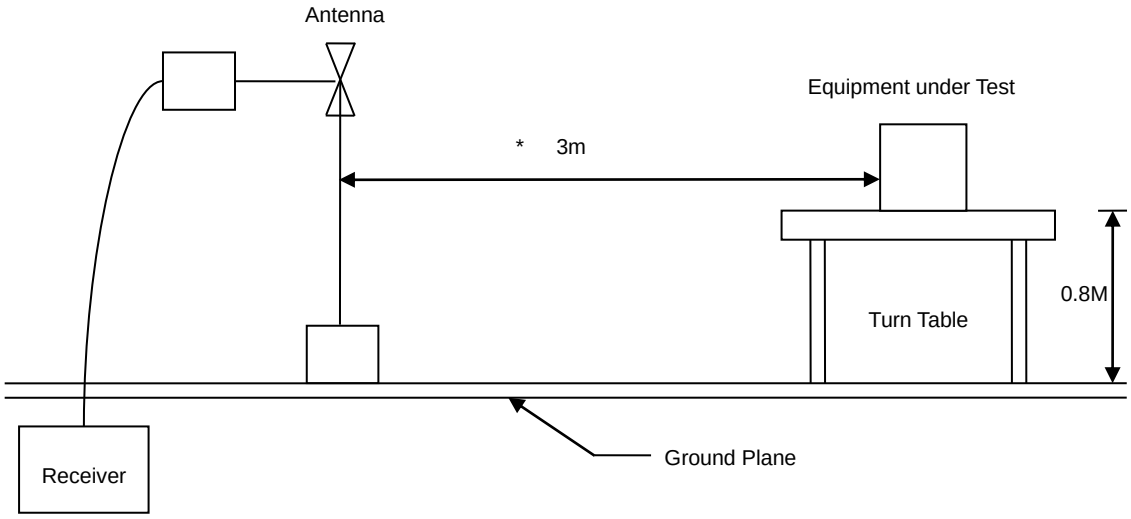
2.Due to the test software function limit the operation band setting(200dBuV/m). There's no corresponding limitation in the actual test item.

6.3. Typical Test Setup

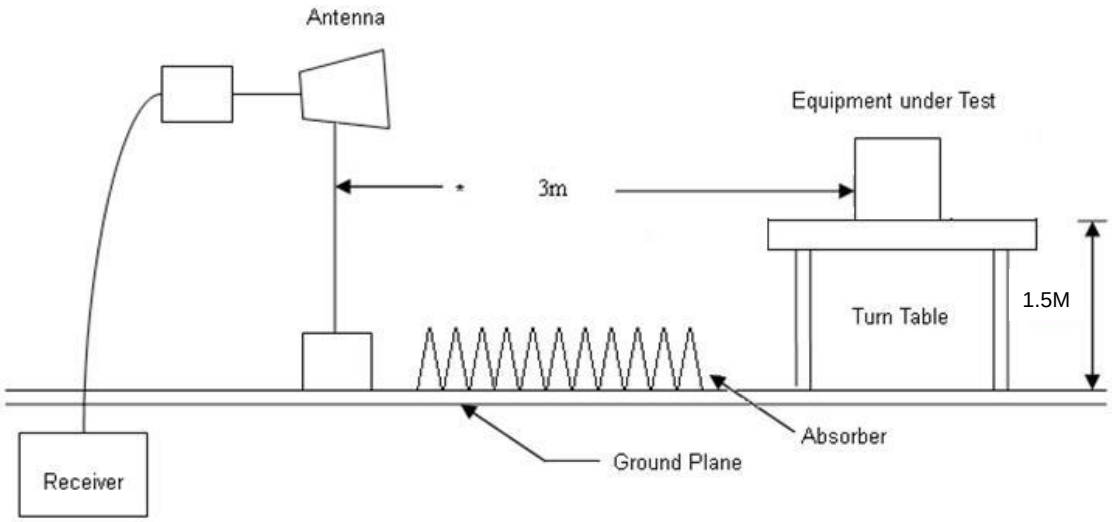
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



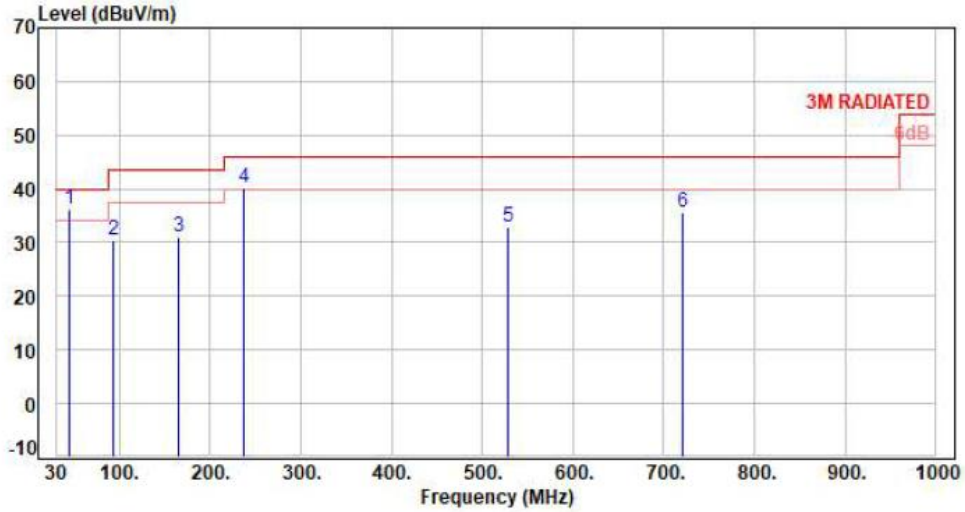
6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

Test Mode	Mode 1

Test Mode : 1TX 11a CH48 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Vertical

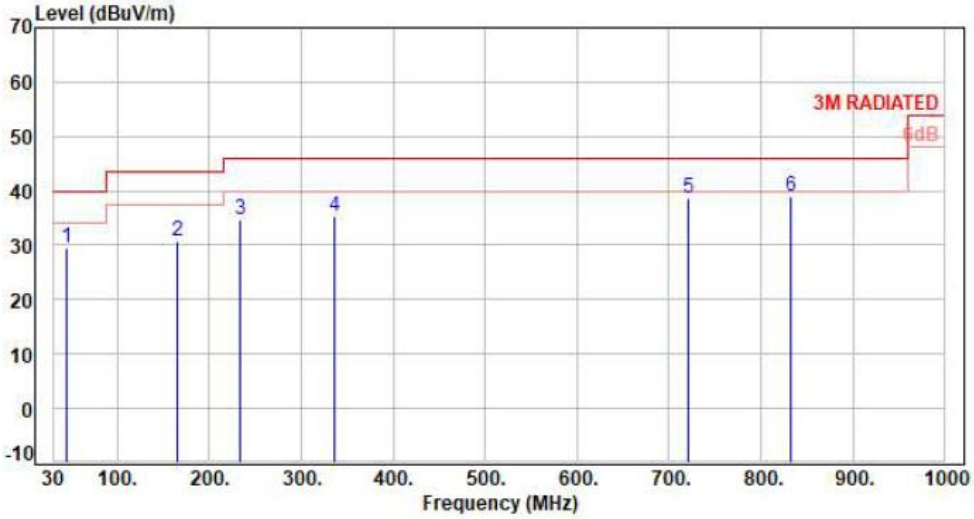


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	45.52	-9.36	45.48	36.12	40.00	-3.88	Peak	400	0	P
2	94.02	-15.52	45.95	30.43	43.50	-13.07	Peak	400	0	P
3	165.80	-9.47	40.45	30.98	43.50	-12.52	Peak	400	0	P
4	237.58	-10.64	50.75	40.11	46.00	-5.89	Peak	400	0	P
5	528.58	-2.54	35.37	32.83	46.00	-13.17	Peak	400	0	P
6	720.64	0.81	34.69	35.50	46.00	-10.50	Peak	400	0	P

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

Test Mode	Mode 1

Test Mode : 1TX 11a CH48 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Horizontal



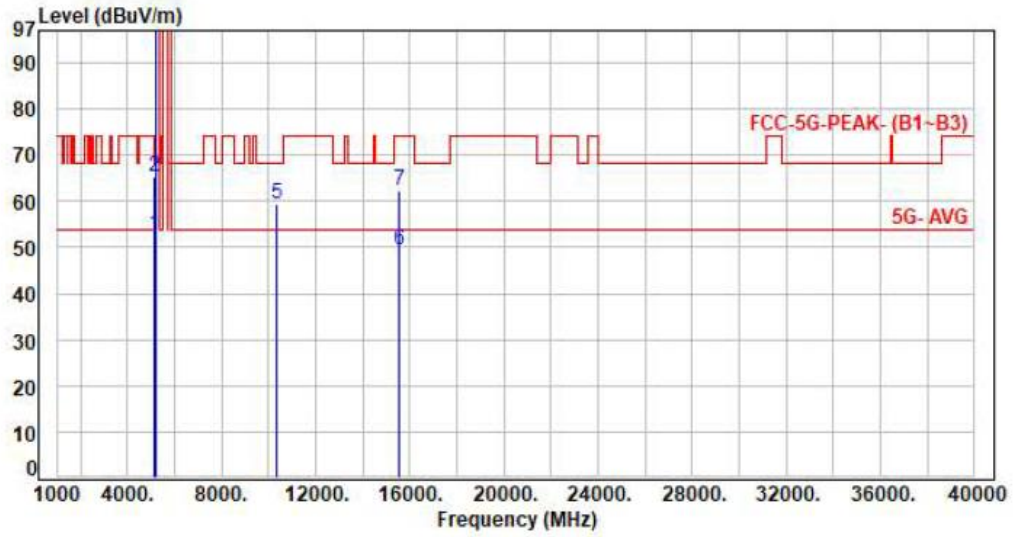
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	45.52	-9.36	38.89	29.53	40.00	-10.47	Peak	400	0	P
2	165.80	-9.47	40.36	30.89	43.50	-12.61	Peak	400	0	P
3	233.70	-10.91	45.73	34.82	46.00	-11.18	Peak	400	0	P
4	336.52	-7.44	42.73	35.29	46.00	-10.71	Peak	400	0	P
5	720.64	0.81	37.82	38.63	46.00	-7.37	Peak	400	0	P
6	833.16	2.59	36.41	39.00	46.00	-7.00	Peak	400	0	P

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

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

Test Mode	Mode 1, Band 1

Test Mode : 1TX 11a CH36 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Vertical

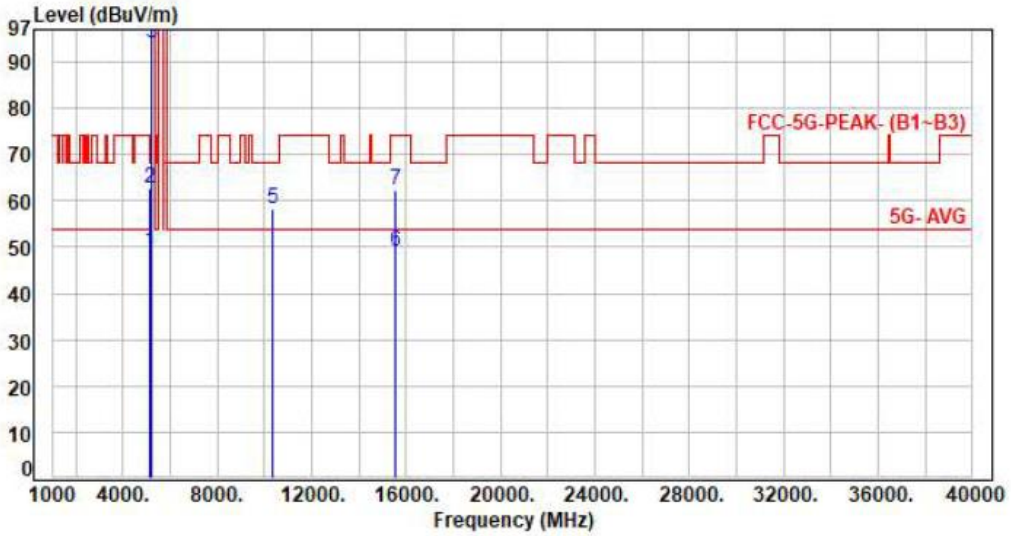


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	45.96	52.65	54.00	-1.35	Average	240	172	P
2	5150.00	6.69	58.54	65.23	74.00	-8.77	Peak	240	172	P
3	5180.00	6.79	93.89	100.68	200.00	-99.32	Average	240	172	P
4	5180.00	6.79	102.59	109.38	200.00	-90.62	Peak	240	172	P
5	10360.00	16.31	42.97	59.28	68.20	-8.92	Peak	100	182	P
6	15540.00	20.54	28.91	49.45	54.00	-4.55	Average	100	168	P
7	15540.00	20.54	41.64	62.18	74.00	-11.82	Peak	100	168	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 System(AC120V/60Hz)
Pol : Horizontal

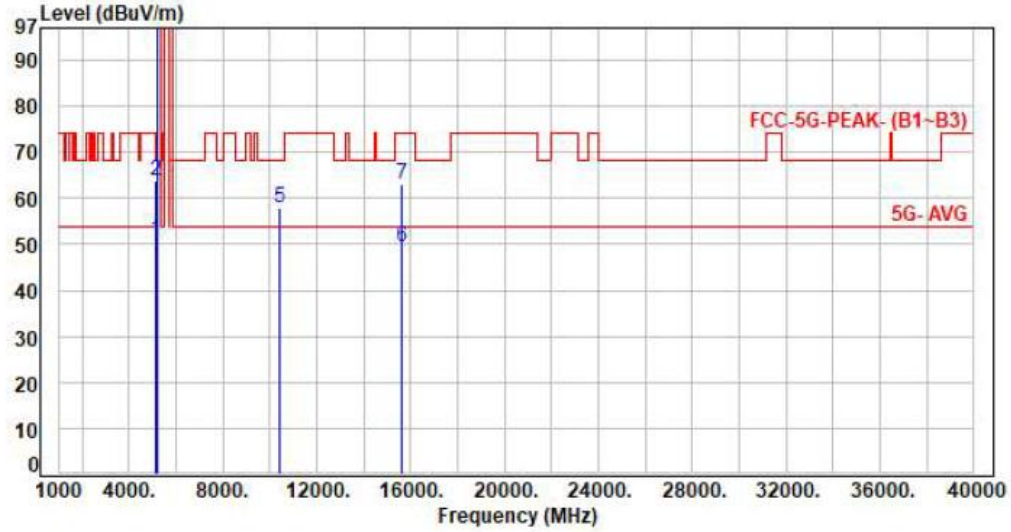


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	42.25	48.94	54.00	-5.06	Average	100	62	P
2	5150.00	6.69	55.93	62.62	74.00	-11.38	Peak	100	62	P
3	5180.00	6.79	87.20	93.99	200.00	-106.01	Average	100	62	P
4	5180.00	6.79	96.09	102.88	200.00	-97.12	Peak	100	62	P
5	10360.00	16.31	41.88	58.19	68.20	-10.01	Peak	100	214	P
6	15540.00	20.54	28.68	49.22	54.00	-4.78	Average	100	225	P
7	15540.00	20.54	41.86	62.40	74.00	-11.60	Peak	100	225	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 System(AC120V/60Hz)
Pol : Vertical

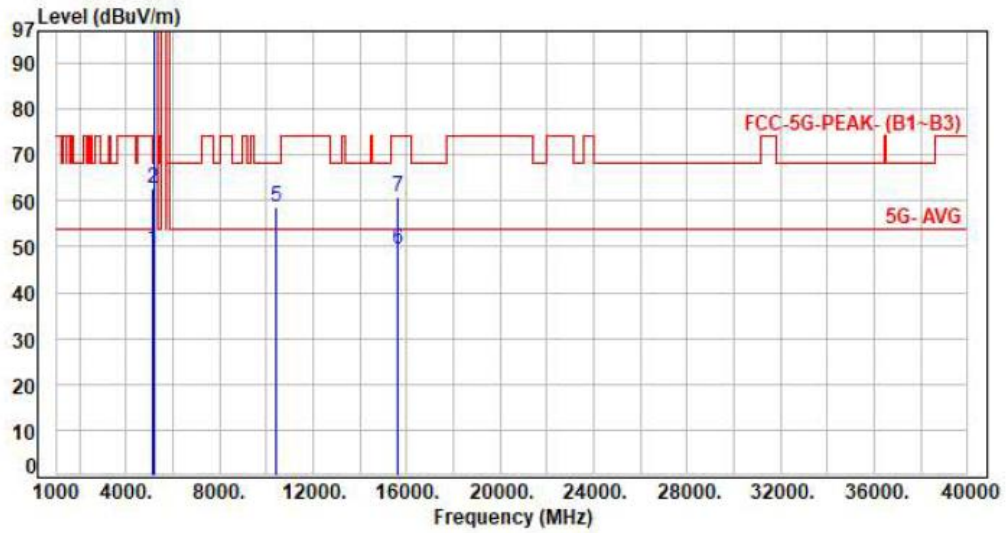


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	44.06	50.75	54.00	-3.25	Average	235	164	P
2	5150.00	6.69	57.25	63.94	74.00	-10.06	Peak	235	164	P
3	5200.00	6.86	96.45	103.31	200.00	-96.69	Average	235	164	P
4	5200.00	6.86	105.30	112.16	200.00	-87.84	Peak	235	164	P
5	10400.00	16.35	41.52	57.87	68.20	-10.33	Peak	100	188	P
6	15600.00	20.35	29.10	49.45	54.00	-4.55	Average	100	147	P
7	15600.00	20.35	42.59	62.94	74.00	-11.06	Peak	100	147	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 System(AC120V/60Hz)
Pol : Horizontal

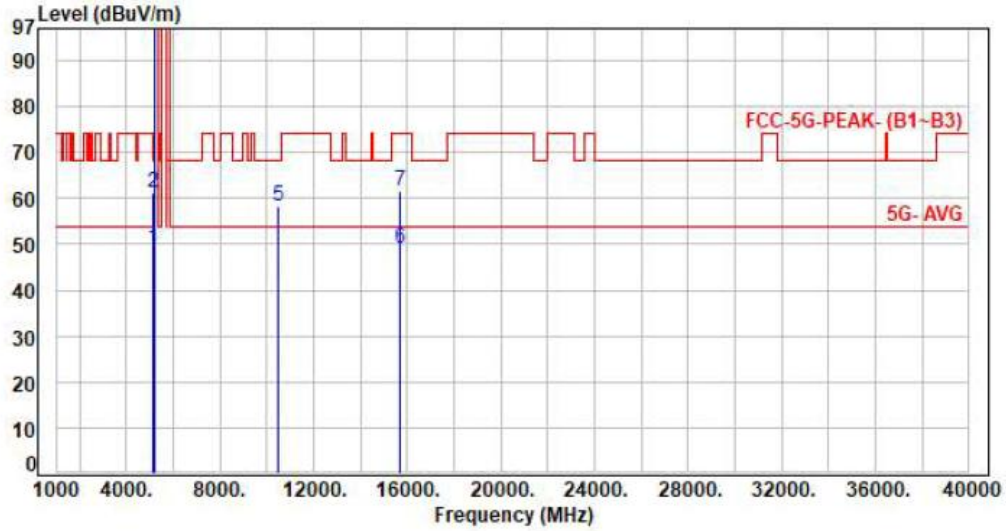


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	42.91	49.60	54.00	-4.40	Average	371	233	P
2	5150.00	6.69	56.12	62.81	74.00	-11.19	Peak	371	233	P
3	5200.00	6.86	92.07	98.93	200.00	-101.07	Average	371	233	P
4	5200.00	6.86	101.11	107.97	200.00	-92.03	Peak	371	233	P
5	10400.00	16.35	42.17	58.52	68.20	-9.68	Peak	100	254	P
6	15600.00	20.35	28.96	49.31	54.00	-4.69	Average	100	114	P
7	15600.00	20.35	40.52	60.87	74.00	-13.13	Peak	100	114	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 System(AC120V/60Hz)
Pol : Vertical

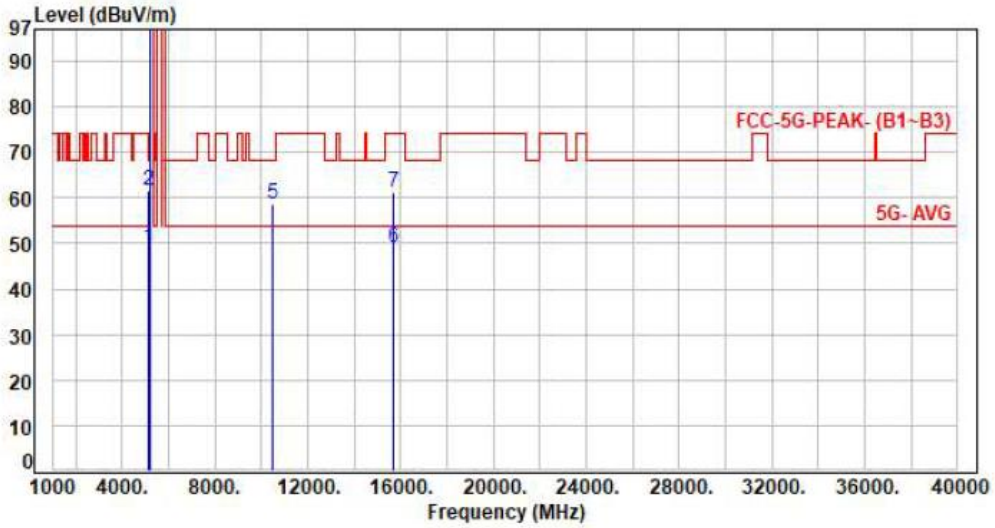


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	42.25	48.94	54.00	-5.06	Average	308	176	P
2	5150.00	6.69	54.42	61.11	74.00	-12.89	Peak	308	176	P
3	5240.00	6.91	97.39	104.30	200.00	-95.70	Average	308	176	P
4	5240.00	6.91	106.40	113.31	200.00	-86.69	Peak	308	176	P
5	10480.00	16.43	41.71	58.14	68.20	-10.06	Peak	100	114	P
6	15720.00	19.84	29.28	49.12	54.00	-4.88	Average	100	185	P
7	15720.00	19.84	41.84	61.68	74.00	-12.32	Peak	100	185	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 System(AC120V/60Hz)
Pol : Horizontal

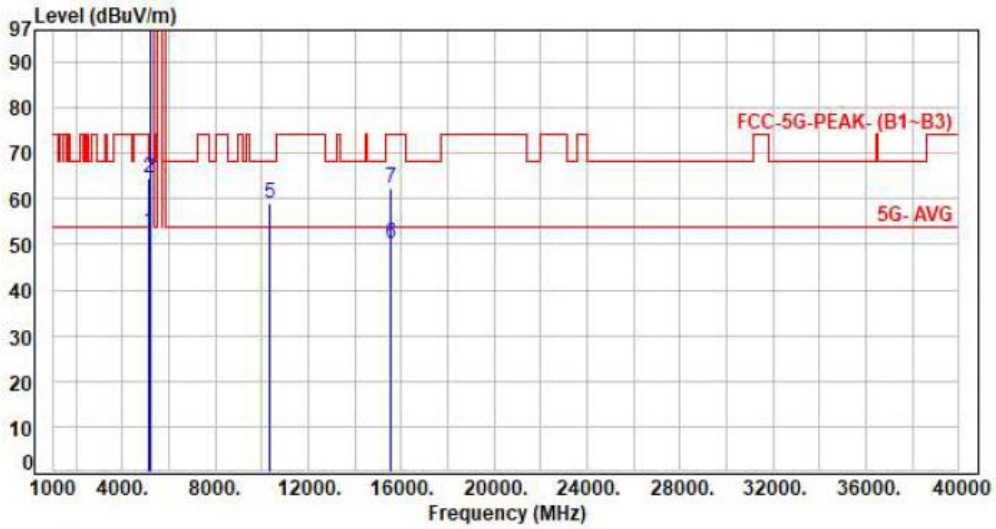


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	42.18	48.87	54.00	-5.13	Average	100	201	P
2	5150.00	6.69	54.82	61.51	74.00	-12.49	Peak	100	201	P
3	5240.00	6.91	91.15	98.06	200.00	-101.94	Average	100	201	P
4	5240.00	6.91	100.01	106.92	200.00	-93.08	Peak	100	201	P
5	10480.00	16.43	42.24	58.67	68.20	-9.53	Peak	100	285	P
6	15720.00	19.84	29.32	49.16	54.00	-4.84	Average	100	221	P
7	15720.00	19.84	41.38	61.22	74.00	-12.78	Peak	100	221	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 System(AC120V/60Hz)
Pol : Vertical

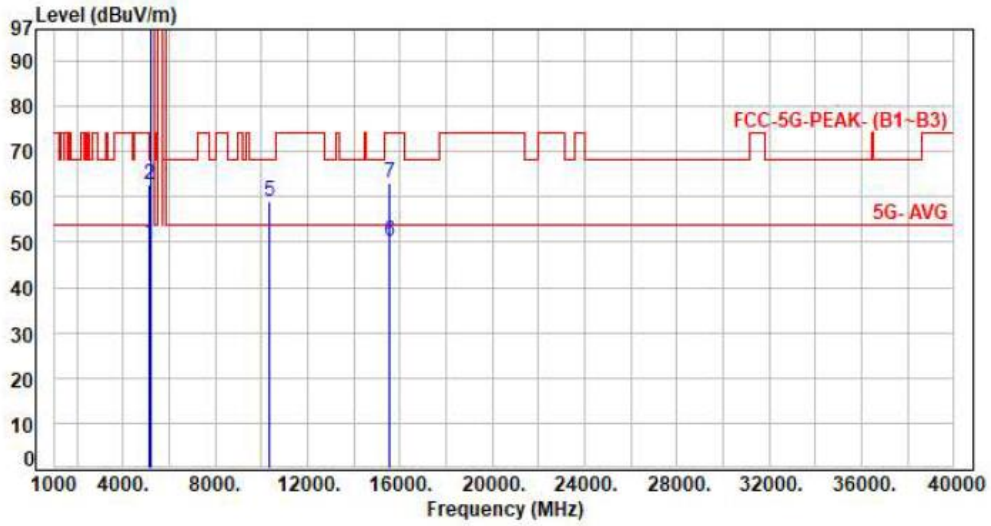


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	45.88	52.57	54.00	-1.43	Average	349	163	P
2	5150.00	6.69	57.75	64.44	74.00	-9.56	Peak	349	163	P
3	5180.00	6.79	92.83	99.62	200.00	-100.38	Average	349	163	P
4	5180.00	6.79	102.02	108.81	200.00	-91.19	Peak	349	163	P
5	10360.00	16.31	42.88	59.19	68.20	-9.01	Peak	100	188	P
6	15540.00	20.54	29.75	50.29	54.00	-3.71	Average	100	255	P
7	15540.00	20.54	41.63	62.17	74.00	-11.83	Peak	100	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 CH36 NSS1 MCS0
Voltage : From System(AC120V/60Hz)
Pol : Horizontal

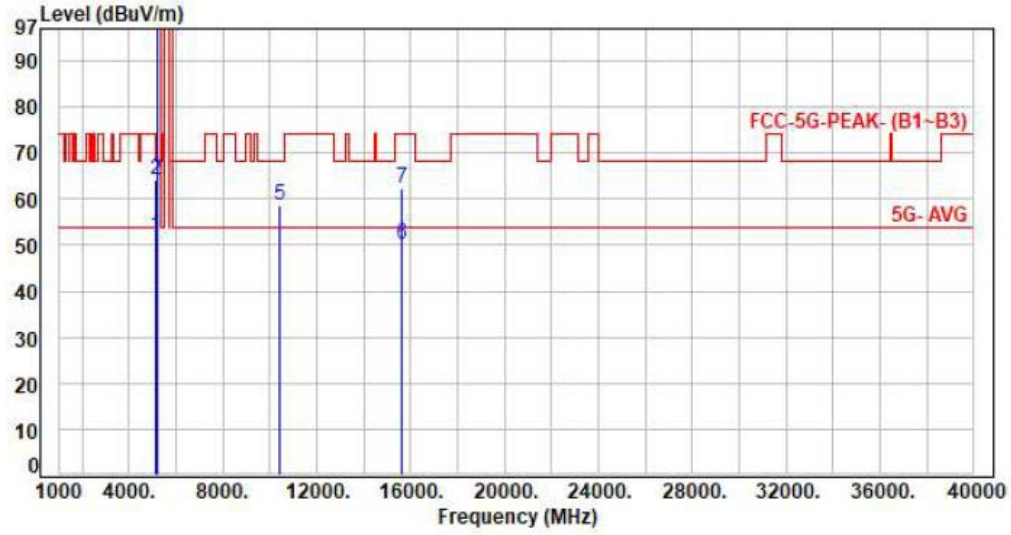


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	43.21	49.90	54.00	-4.10	Average	374	238	P
2	5150.00	6.69	55.83	62.52	74.00	-11.48	Peak	374	238	P
3	5180.00	6.79	89.49	96.28	200.00	-103.72	Average	374	238	P
4	5180.00	6.79	98.52	105.31	200.00	-94.69	Peak	374	238	P
5	10360.00	16.31	42.85	59.16	68.20	-9.04	Peak	100	195	P
6	15540.00	20.54	29.61	50.15	54.00	-3.85	Average	100	117	P
7	15540.00	20.54	42.63	63.17	74.00	-10.83	Peak	100	117	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 System(AC120V/60Hz)
Pol : Vertical

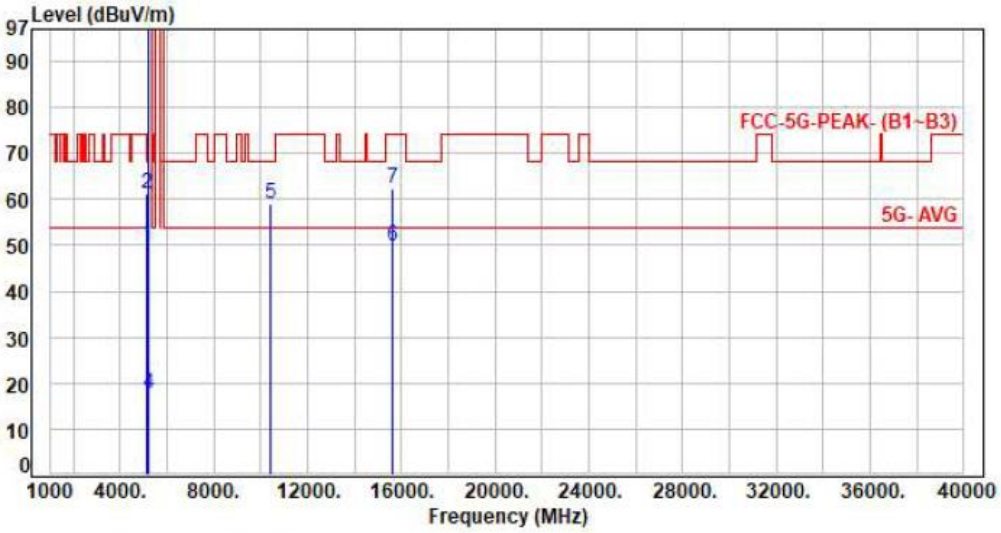


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	45.39	52.08	54.00	-1.92	Average	331	158	P
2	5150.00	6.69	57.40	64.09	74.00	-9.91	Peak	331	158	P
3	5200.00	6.86	96.29	103.15	200.00	-96.85	Average	331	158	P
4	5200.00	6.86	105.44	112.30	200.00	-87.70	Peak	331	158	P
5	10400.00	16.35	42.36	58.71	68.20	-9.49	Peak	100	152	P
6	15600.00	20.35	29.77	50.12	54.00	-3.88	Average	100	184	P
7	15600.00	20.35	41.99	62.34	74.00	-11.66	Peak	100	184	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 System(AC120V/60Hz)
Pol : Horizontal

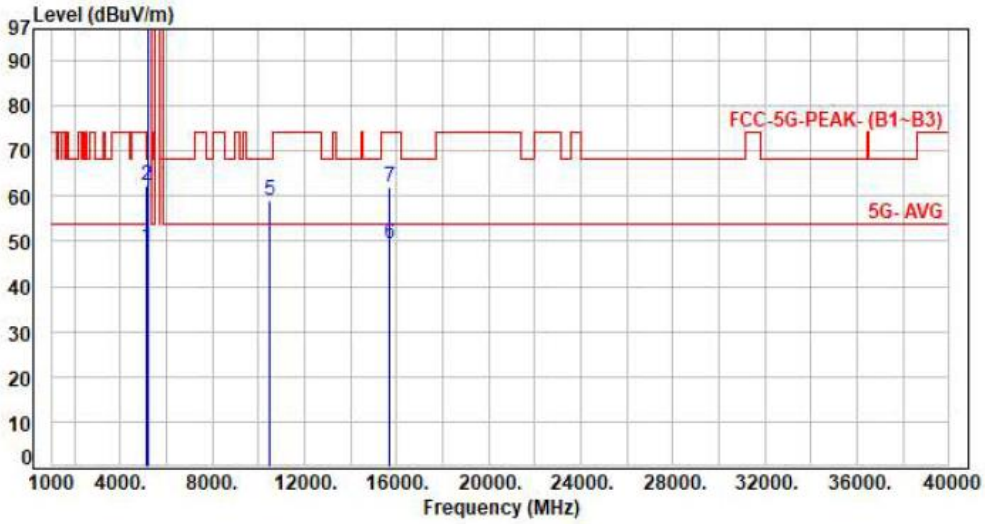


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	43.48	50.17	54.00	-3.83	Average	351	234	P
2	5150.00	6.69	54.53	61.22	74.00	-12.78	Peak	351	234	P
3	5200.00	6.86	91.33	98.19	200.00	-101.81	Average	351	234	P
4	5200.00	6.86	10.82	17.68	200.00	-182.32	Peak	351	234	P
5	10400.00	16.35	42.62	58.97	68.20	-9.23	Peak	100	174	P
6	15600.00	20.35	29.47	49.82	54.00	-4.18	Average	100	211	P
7	15600.00	20.35	42.00	62.35	74.00	-11.65	Peak	100	211	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 System(AC120V/60Hz)
Pol : Vertical

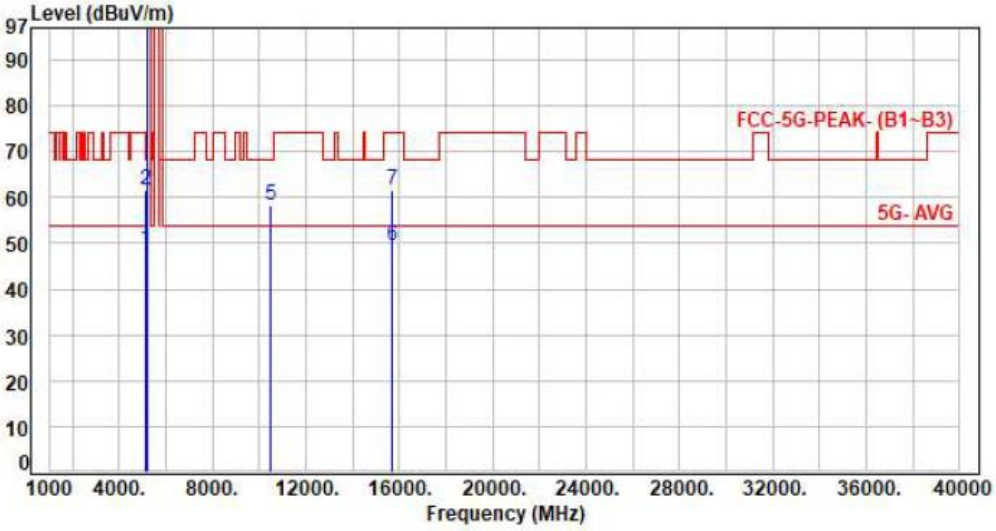


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	42.09	48.78	54.00	-5.22	Average	362	170	P
2	5150.00	6.69	55.46	62.15	74.00	-11.85	Peak	362	170	P
3	5240.00	6.91	96.48	103.39	200.00	-96.61	Average	362	170	P
4	5240.00	6.91	106.46	113.37	200.00	-86.63	Peak	362	170	P
5	10480.00	16.43	42.66	59.09	68.20	-9.11	Peak	100	195	P
6	15720.00	19.84	29.47	49.31	54.00	-4.69	Average	100	117	P
7	15720.00	19.84	42.19	62.03	74.00	-11.97	Peak	100	117	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 System(AC120V/60Hz)
Pol : Horizontal

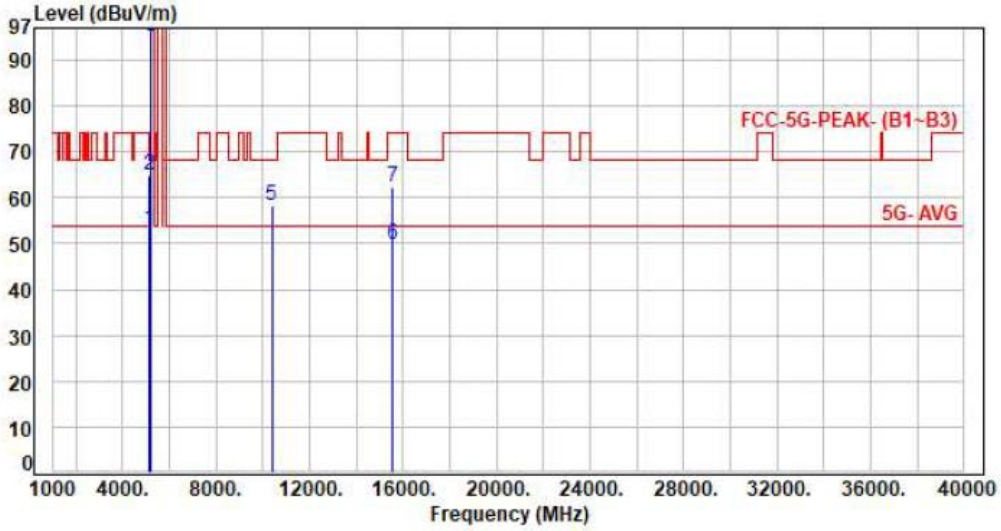


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	42.13	48.82	54.00	-5.18	Average	100	305	P
2	5150.00	6.69	54.91	61.60	74.00	-12.40	Peak	100	305	P
3	5240.00	6.91	89.97	96.88	200.00	-103.12	Average	100	305	P
4	5240.00	6.91	99.41	106.32	200.00	-93.68	Peak	100	305	P
5	10480.00	16.43	41.66	58.09	68.20	-10.11	Peak	100	231	P
6	15720.00	19.84	29.47	49.31	54.00	-4.69	Average	100	115	P
7	15720.00	19.84	41.86	61.70	74.00	-12.30	Peak	100	115	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 System(AC120V/60Hz)
Pol : Vertical

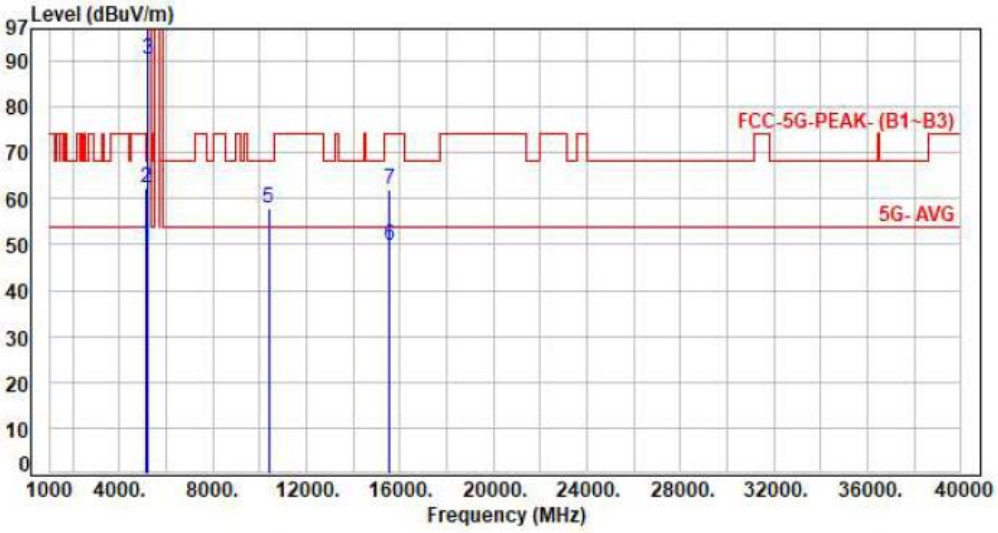


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	46.28	52.97	54.00	-1.03	Average	331	157	P
2	5150.00	6.69	58.25	64.94	74.00	-9.06	Peak	331	157	P
3	5190.00	6.82	88.40	95.22	200.00	-104.78	Average	331	157	P
4	5190.00	6.82	98.45	105.27	200.00	-94.73	Peak	331	157	P
5	10380.00	16.33	41.90	58.23	68.20	-9.97	Peak	100	221	P
6	15570.00	20.45	29.47	49.92	54.00	-4.08	Average	100	115	P
7	15570.00	20.45	41.98	62.43	74.00	-11.57	Peak	100	115	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 System(AC120V/60Hz)
Pol : Horizontal

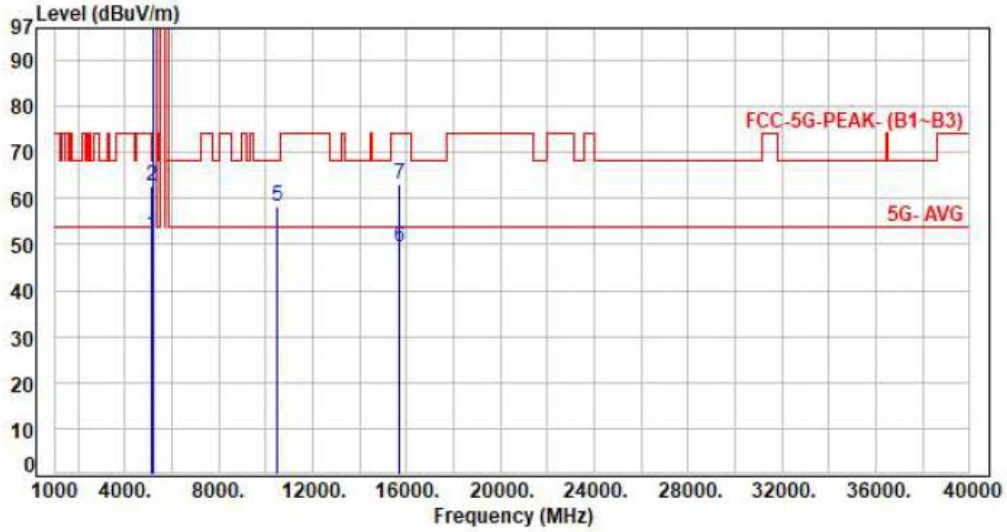


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	43.53	50.22	54.00	-3.78	Average	373	216	P
2	5150.00	6.69	55.67	62.36	74.00	-11.64	Peak	373	216	P
3	5190.00	6.82	83.65	90.47	200.00	-109.53	Average	373	216	P
4	5190.00	6.82	92.65	99.47	200.00	-100.53	Peak	373	216	P
5	10380.00	16.33	41.68	58.01	68.20	-10.19	Peak	100	213	P
6	15570.00	20.45	29.47	49.92	54.00	-4.08	Average	100	123	P
7	15570.00	20.45	41.68	62.13	74.00	-11.87	Peak	100	123	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 System(AC120V/60Hz)
Pol : Vertical

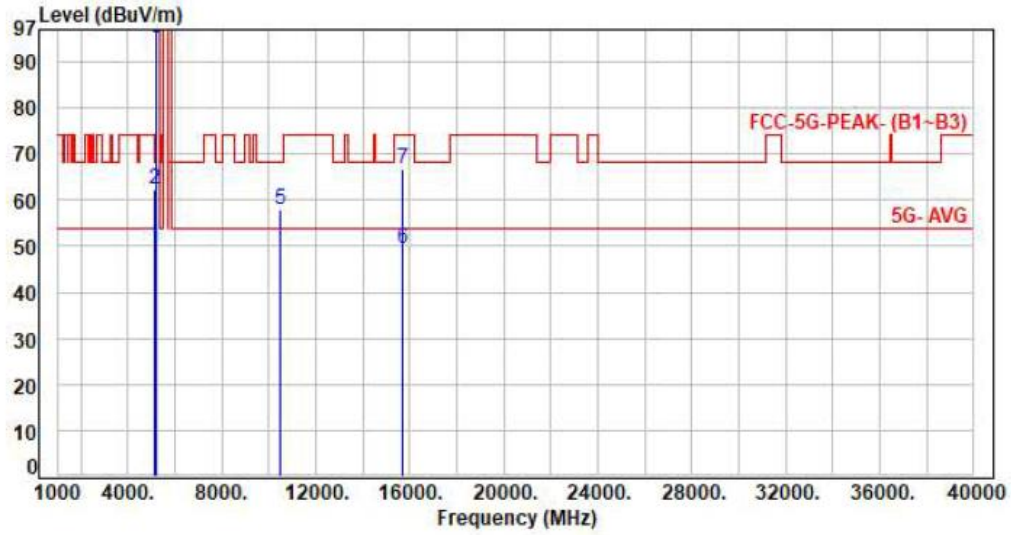


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	45.42	52.11	54.00	-1.89	Average	276	161	P
2	5150.00	6.69	56.10	62.79	74.00	-11.21	Peak	276	161	P
3	5230.00	6.90	93.34	100.24	200.00	-99.76	Average	276	161	P
4	5230.00	6.90	102.69	109.59	200.00	-90.41	Peak	276	161	P
5	10460.00	16.38	41.86	58.24	68.20	-9.96	Peak	100	117	P
6	15690.00	19.94	29.47	49.41	54.00	-4.59	Average	100	212	P
7	15690.00	19.94	42.95	62.89	74.00	-11.11	Peak	100	212	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 System(AC120V/60Hz)
Pol : Horizontal

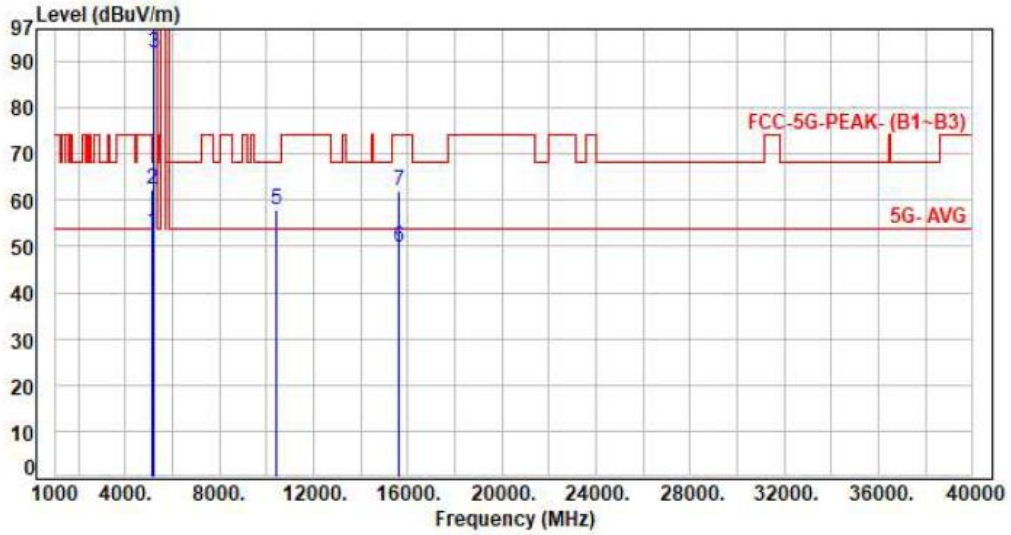


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	43.29	49.98	54.00	-4.02	Average	348	232	P
2	5150.00	6.69	55.69	62.38	74.00	-11.62	Peak	348	232	P
3	5230.00	6.90	88.07	94.97	200.00	-105.03	Average	348	232	P
4	5230.00	6.90	97.63	104.53	200.00	-95.47	Peak	348	232	P
5	10460.00	16.38	41.67	58.05	68.20	-10.15	Peak	100	115	P
6	15690.00	19.94	29.44	49.38	54.00	-4.62	Average	100	115	P
7	15690.00	19.94	46.95	66.89	74.00	-7.11	Peak	100	115	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 System(AC120V/60Hz)
Pol : Vertical

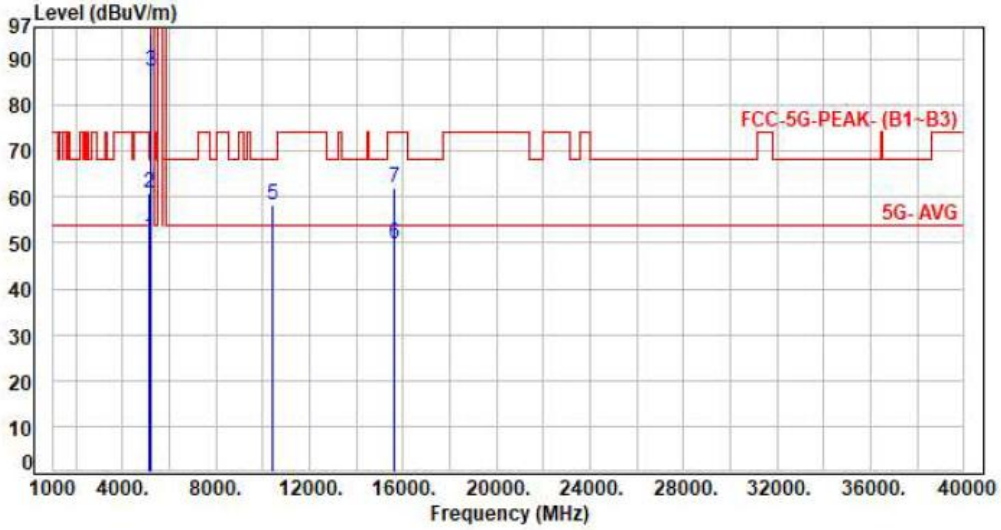


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	46.29	52.98	54.00	-1.02	Average	345	174	P
2	5150.00	6.69	55.71	62.40	74.00	-11.60	Peak	345	174	P
3	5210.00	6.87	84.85	91.72	200.00	-108.28	Average	345	174	P
4	5210.00	6.87	93.25	100.12	200.00	-99.88	Peak	345	174	P
5	10420.00	16.35	41.66	58.01	68.20	-10.19	Peak	100	98	P
6	15630.00	20.18	29.47	49.65	54.00	-4.35	Average	100	241	P
7	15630.00	20.18	41.77	61.95	74.00	-12.05	Peak	100	241	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 System(AC120V/60Hz)
Pol : Horizontal

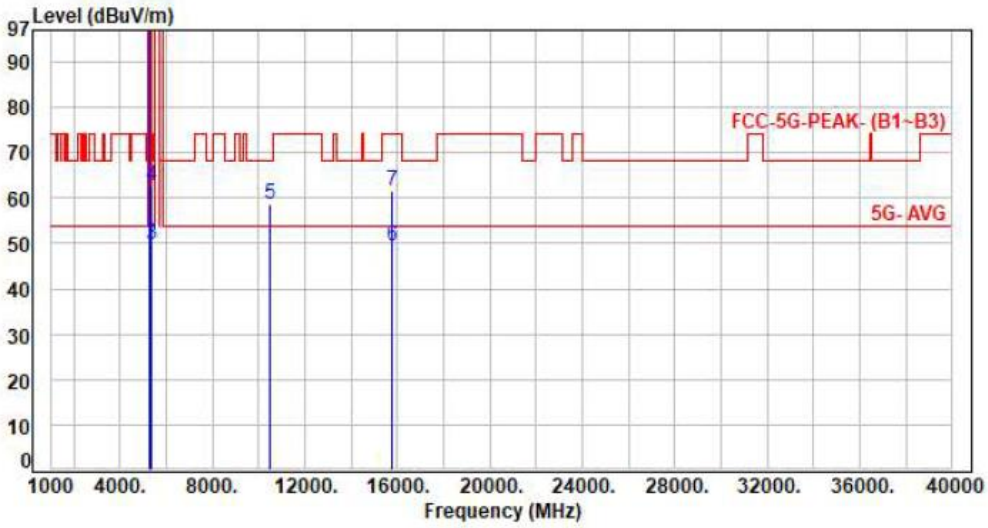


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.69	44.44	51.13	54.00	-2.87	Average	371	215	P
2	5150.00	6.69	54.33	61.02	74.00	-12.98	Peak	371	215	P
3	5210.00	6.87	80.65	87.52	200.00	-112.48	Average	371	215	P
4	5210.00	6.87	88.52	95.39	200.00	-104.61	Peak	371	215	P
5	10420.00	16.35	41.88	58.23	68.20	-9.97	Peak	100	231	P
6	15630.00	20.18	29.47	49.65	54.00	-4.35	Average	100	114	P
7	15630.00	20.18	41.86	62.04	74.00	-11.96	Peak	100	114	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 System(AC120V/60Hz)
Pol : Vertical

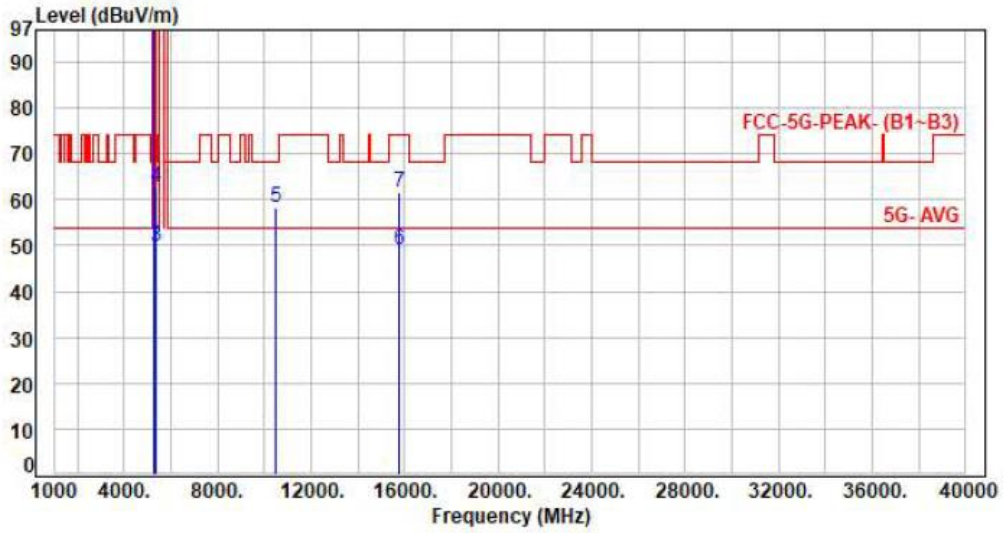


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	6.99	97.88	104.87	200.00	-95.13	Average	290	145	P
2	5260.00	6.99	106.88	113.87	200.00	-86.13	Peak	290	145	P
3	5350.00	7.27	42.48	49.75	54.00	-4.25	Average	290	145	P
4	5350.00	7.27	55.36	62.63	74.00	-11.37	Peak	290	145	P
5	10520.00	16.55	41.97	58.52	68.20	-9.68	Peak	100	114	P
6	15780.00	19.61	29.74	49.35	54.00	-4.65	Average	100	213	P
7	15780.00	19.61	42.11	61.72	74.00	-12.28	Peak	100	213	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 System(AC120V/60Hz)
Pol : Horizontal

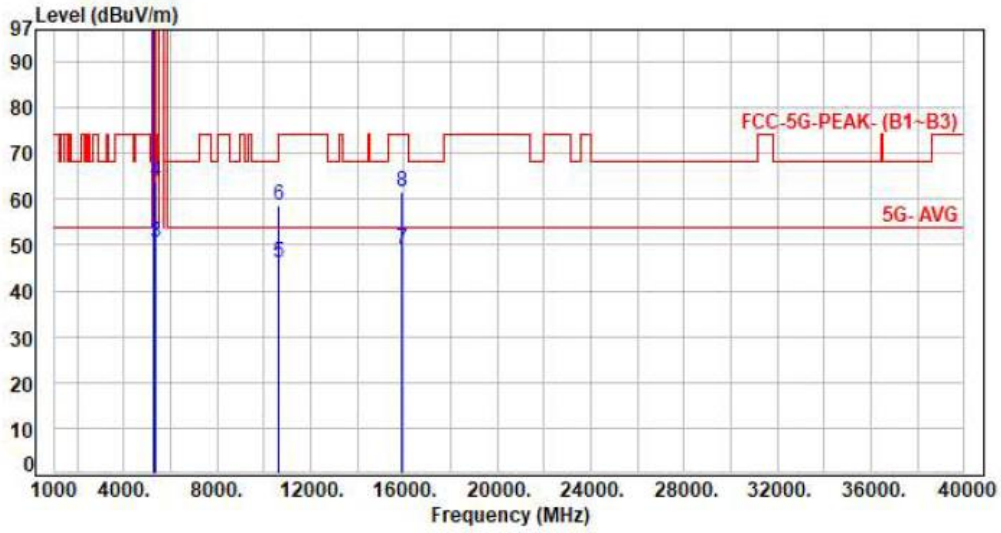


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	6.99	91.25	98.24	200.00	-101.76	Average	400	215	P
2	5260.00	6.99	100.17	107.16	200.00	-92.84	Peak	400	215	P
3	5350.00	7.27	42.47	49.74	54.00	-4.26	Average	400	215	P
4	5350.00	7.27	55.26	62.53	74.00	-11.47	Peak	400	215	P
5	10520.00	16.55	41.85	58.40	68.20	-9.80	Peak	100	116	P
6	15780.00	19.61	29.47	49.08	54.00	-4.92	Average	100	132	P
7	15780.00	19.61	41.96	61.57	74.00	-12.43	Peak	100	132	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 System(AC120V/60Hz)
Pol : Vertical

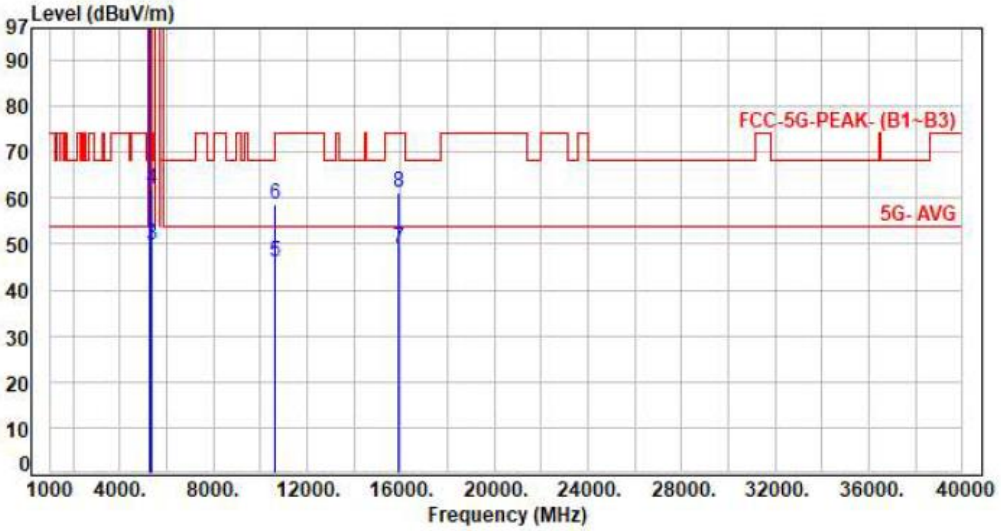


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.20	97.41	104.61	200.00	-95.39	Average	333	157	P
2	5300.00	7.20	106.24	113.44	200.00	-86.56	Peak	333	157	P
3	5350.00	7.27	43.41	50.68	54.00	-3.32	Average	333	157	P
4	5350.00	7.27	56.58	63.85	74.00	-10.15	Peak	333	157	P
5	10600.00	16.78	29.44	46.22	54.00	-7.78	Average	100	114	P
6	10600.00	16.78	41.68	58.46	74.00	-15.54	Peak	100	114	P
7	15900.00	19.54	29.47	49.01	54.00	-4.99	Average	100	241	P
8	15900.00	19.54	41.98	61.52	74.00	-12.48	Peak	100	241	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 System(AC120V/60Hz)
Pol : Horizontal

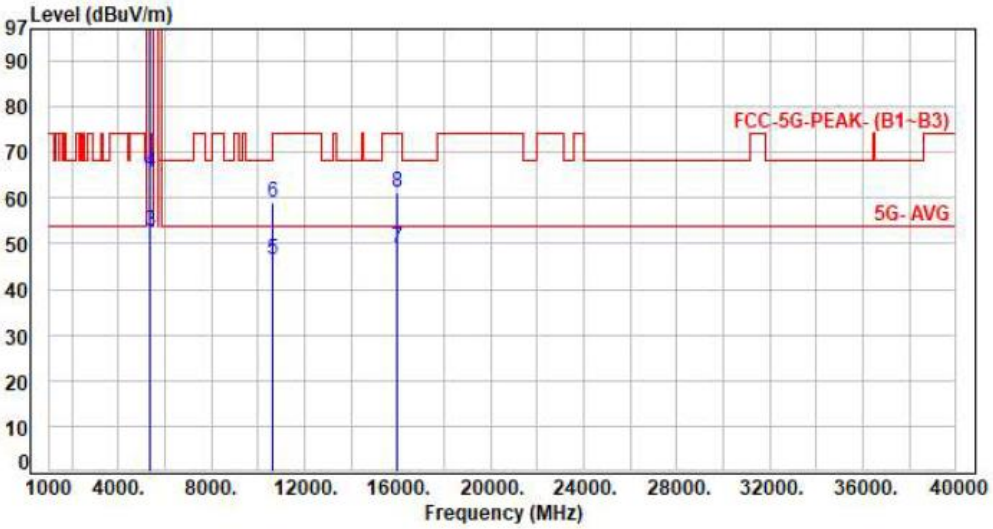


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.20	89.81	97.01	200.00	-102.99	Average	100	299	P
2	5300.00	7.20	98.75	105.95	200.00	-94.05	Peak	100	299	P
3	5350.00	7.27	42.56	49.83	54.00	-4.17	Average	100	299	P
4	5350.00	7.27	54.86	62.13	74.00	-11.87	Peak	100	299	P
5	10600.00	16.78	29.47	46.25	54.00	-7.75	Average	100	231	P
6	10600.00	16.78	41.95	58.73	74.00	-15.27	Peak	100	231	P
7	15900.00	19.54	29.47	49.01	54.00	-4.99	Average	100	113	P
8	15900.00	19.54	41.75	61.29	74.00	-12.71	Peak	100	113	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 CH62 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Vertical

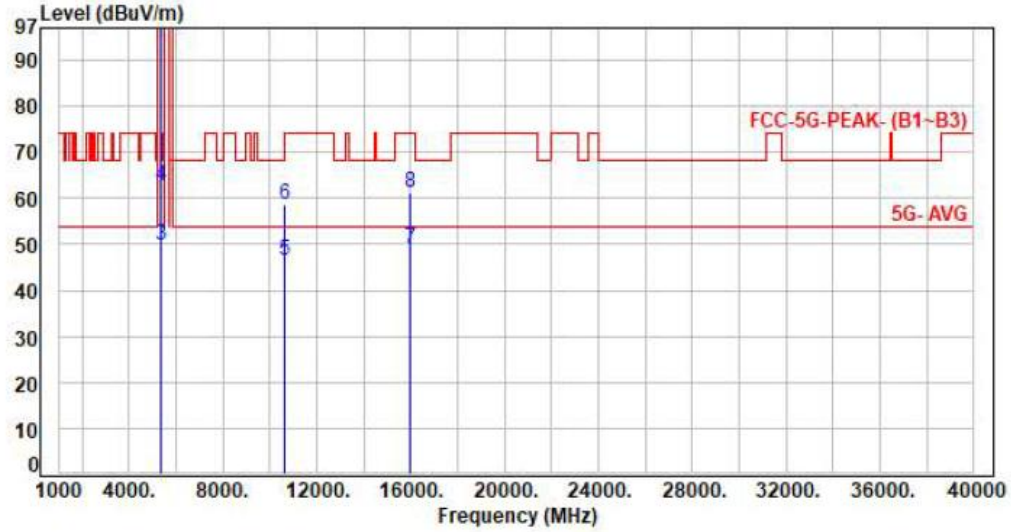


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.23	93.08	100.31	200.00	-99.69	Average	298	153	P
2	5320.00	7.23	102.73	109.96	200.00	-90.04	Peak	298	153	P
3	5350.00	7.27	45.51	52.78	54.00	-1.22	Average	298	153	P
4	5350.00	7.27	58.50	65.77	74.00	-8.23	Peak	298	153	P
5	10640.00	16.96	29.46	46.42	54.00	-7.58	Average	100	152	P
6	10640.00	16.96	41.94	58.90	74.00	-15.10	Peak	100	152	P
7	15960.00	19.50	29.47	48.97	54.00	-5.03	Average	100	196	P
8	15960.00	19.50	41.63	61.13	74.00	-12.87	Peak	100	196	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 CH62 6Mbps
Voltage : From System(AC120V/60Hz)
Pol : Horizontal

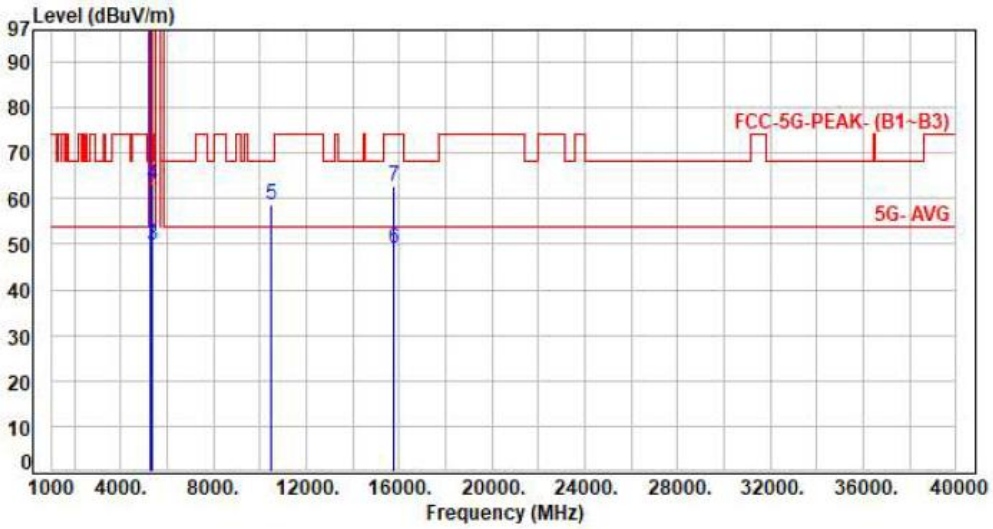


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.23	86.51	93.74	200.00	-106.26	Average	100	294	P
2	5320.00	7.23	95.75	102.98	200.00	-97.02	Peak	100	294	P
3	5350.00	7.27	42.53	49.80	54.00	-4.20	Average	100	294	P
4	5350.00	7.27	55.46	62.73	74.00	-11.27	Peak	100	294	P
5	10640.00	16.96	29.63	46.59	54.00	-7.41	Average	100	227	P
6	10640.00	16.96	41.74	58.70	74.00	-15.30	Peak	100	227	P
7	15960.00	19.50	29.74	49.24	54.00	-4.76	Average	100	112	P
8	15960.00	19.50	41.76	61.26	74.00	-12.74	Peak	100	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 System(AC120V/60Hz)
Pol : Vertical

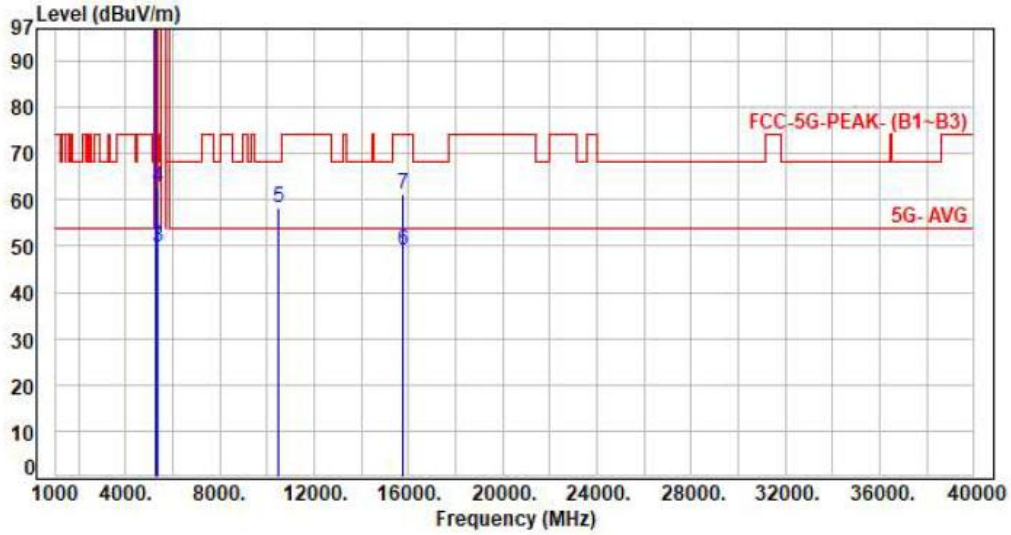


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	6.99	96.86	103.85	200.00	-96.15	Average	339	172	P
2	5260.00	6.99	106.00	112.99	200.00	-87.01	Peak	339	172	P
3	5350.00	7.27	42.45	49.72	54.00	-4.28	Average	339	172	P
4	5350.00	7.27	55.76	63.03	74.00	-10.97	Peak	339	172	P
5	10520.00	16.55	41.97	58.52	68.20	-9.68	Peak	100	185	P
6	15780.00	19.61	29.47	49.08	54.00	-4.92	Average	100	199	P
7	15780.00	19.61	42.95	62.56	74.00	-11.44	Peak	100	199	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 System(AC120V/60Hz)
Pol : Horizontal

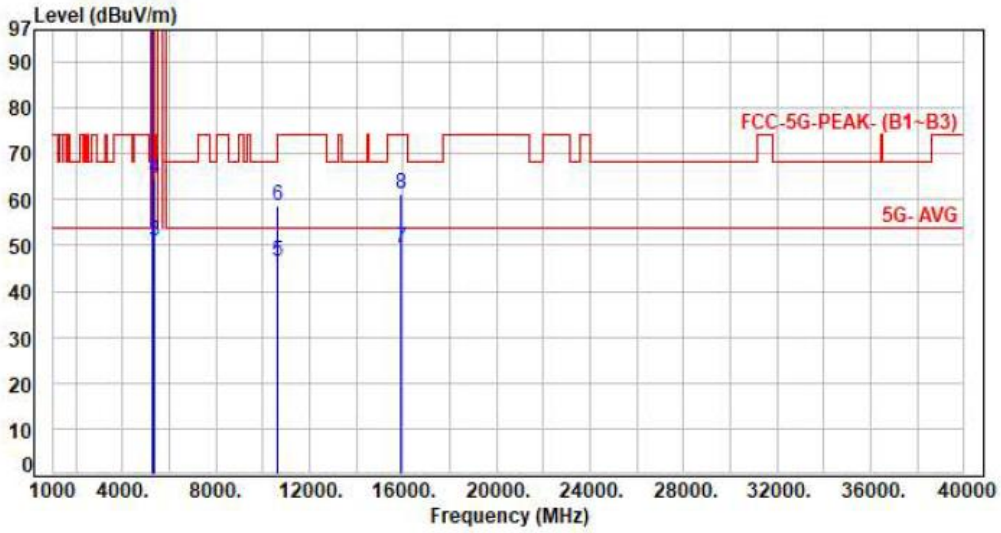


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	6.99	90.65	97.64	200.00	-102.36	Average	400	216	P
2	5260.00	6.99	100.08	107.07	200.00	-92.93	Peak	400	216	P
3	5350.00	7.27	42.52	49.79	54.00	-4.21	Average	400	216	P
4	5350.00	7.27	55.51	62.78	74.00	-11.22	Peak	400	216	P
5	10520.00	16.55	41.63	58.18	68.20	-10.02	Peak	100	132	P
6	15780.00	19.61	29.47	49.08	54.00	-4.92	Average	100	117	P
7	15780.00	19.61	41.62	61.23	74.00	-12.77	Peak	100	117	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 System(AC120V/60Hz)
Pol : Vertical

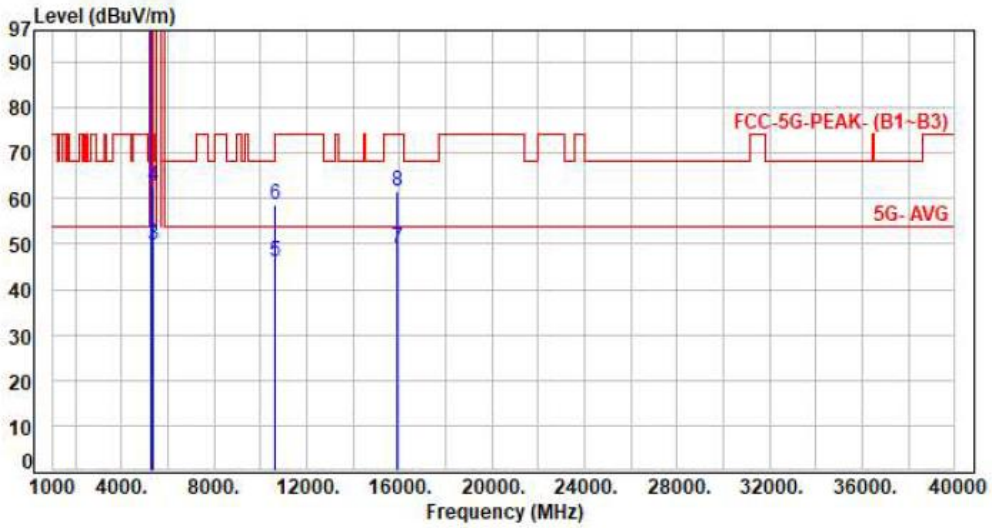


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.20	96.98	104.18	200.00	-95.82	Average	352	171	P
2	5300.00	7.20	106.47	113.67	200.00	-86.33	Peak	352	171	P
3	5350.00	7.27	43.48	50.75	54.00	-3.25	Average	352	171	P
4	5350.00	7.27	57.17	64.44	74.00	-9.56	Peak	352	171	P
5	10600.00	16.78	29.67	46.45	54.00	-7.55	Average	100	116	P
6	10600.00	16.78	41.86	58.64	74.00	-15.36	Peak	100	116	P
7	15900.00	19.54	29.70	49.24	54.00	-4.76	Average	100	225	P
8	15900.00	19.54	41.74	61.28	74.00	-12.72	Peak	100	225	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 System(AC120V/60Hz)
Pol : Horizontal

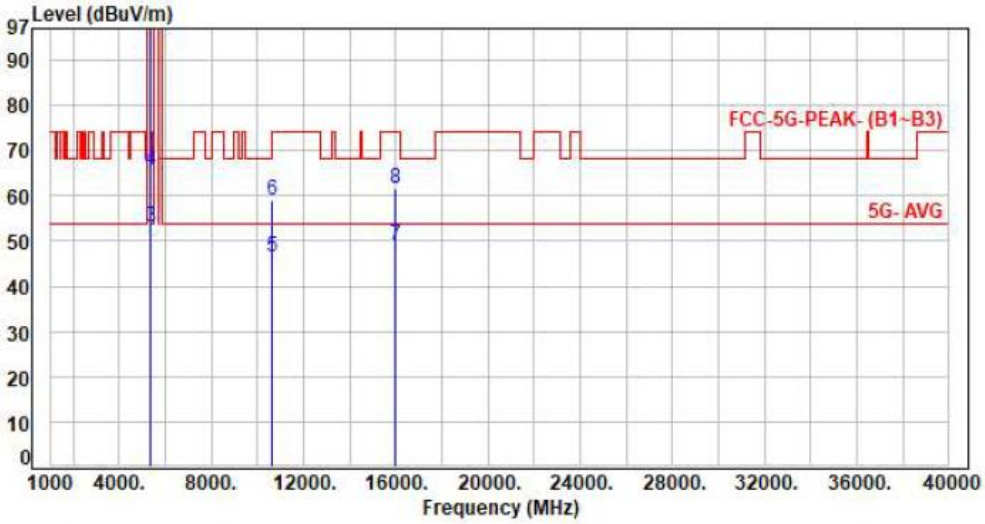


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.20	89.48	96.68	200.00	-103.32	Average	100	302	P
2	5300.00	7.20	98.76	105.96	200.00	-94.04	Peak	100	302	P
3	5350.00	7.27	42.59	49.86	54.00	-4.14	Average	100	302	P
4	5350.00	7.27	55.48	62.75	74.00	-11.25	Peak	100	302	P
5	10600.00	16.78	29.48	46.26	54.00	-7.74	Average	100	110	P
6	10600.00	16.78	41.76	58.54	74.00	-15.46	Peak	100	110	P
7	15900.00	19.54	29.48	49.02	54.00	-4.98	Average	100	224	P
8	15900.00	19.54	41.96	61.50	74.00	-12.50	Peak	100	224	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 System(AC120V/60Hz)
Pol : Vertical

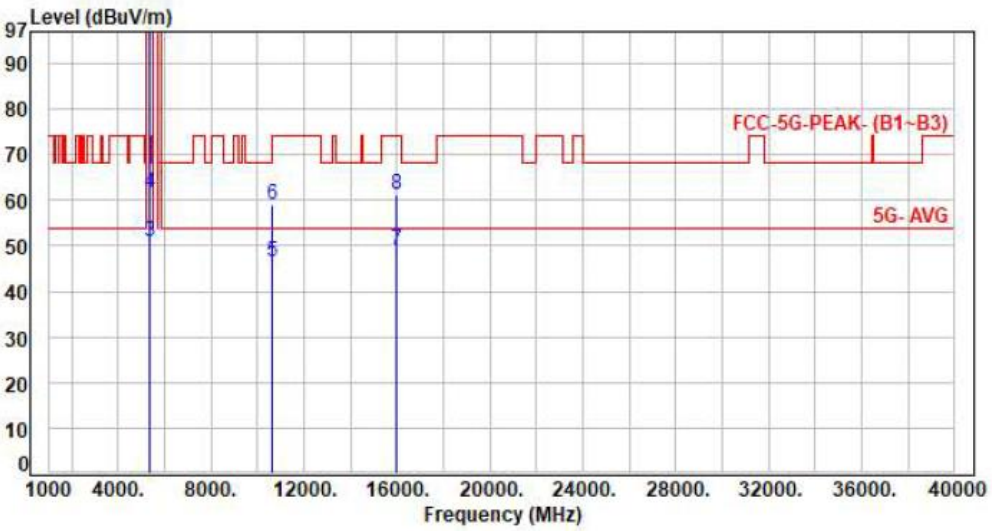


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.23	93.60	100.83	200.00	-99.17	Average	332	178	P
2	5320.00	7.23	103.72	110.95	200.00	-89.05	Peak	332	178	P
3	5350.00	7.27	45.69	52.96	54.00	-1.04	Average	332	178	P
4	5350.00	7.27	58.55	65.82	74.00	-8.18	Peak	332	178	P
5	10640.00	16.96	29.43	46.39	54.00	-7.61	Average	100	225	P
6	10640.00	16.96	41.95	58.91	74.00	-15.09	Peak	100	225	P
7	15960.00	19.50	29.49	48.99	54.00	-5.01	Average	100	184	P
8	15960.00	19.50	41.95	61.45	74.00	-12.55	Peak	100	184	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 System(AC120V/60Hz)
Pol : Horizontal

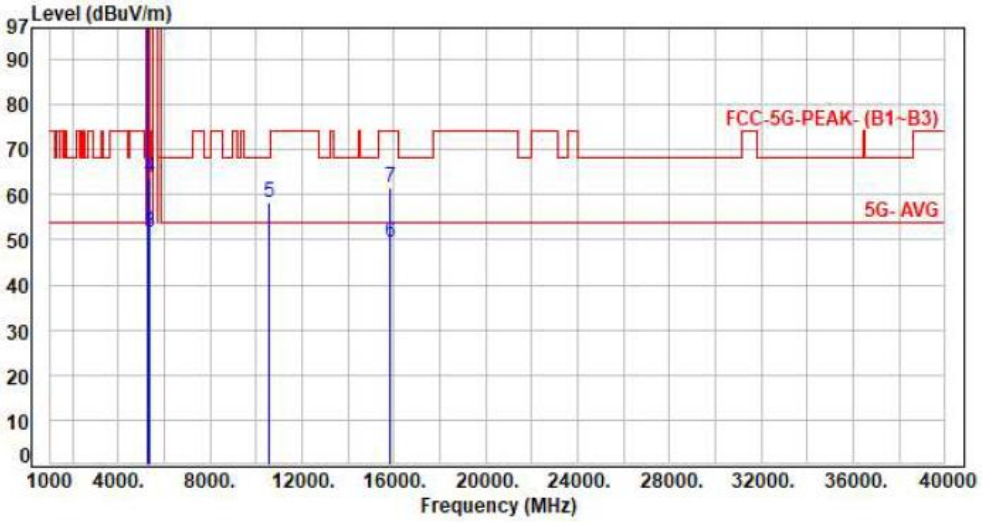


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.23	86.80	94.03	200.00	-105.97	Average	100	312	P
2	5320.00	7.23	96.53	103.76	200.00	-96.24	Peak	100	312	P
3	5350.00	7.27	43.54	50.81	54.00	-3.19	Average	100	312	P
4	5350.00	7.27	54.29	61.56	74.00	-12.44	Peak	100	312	P
5	10640.00	16.96	29.68	46.64	54.00	-7.36	Average	100	187	P
6	10640.00	16.96	41.95	58.91	74.00	-15.09	Peak	100	187	P
7	15960.00	19.50	29.47	48.97	54.00	-5.03	Average	100	229	P
8	15960.00	19.50	41.74	61.24	74.00	-12.76	Peak	100	229	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 System(AC120V/60Hz)
Pol : Vertical

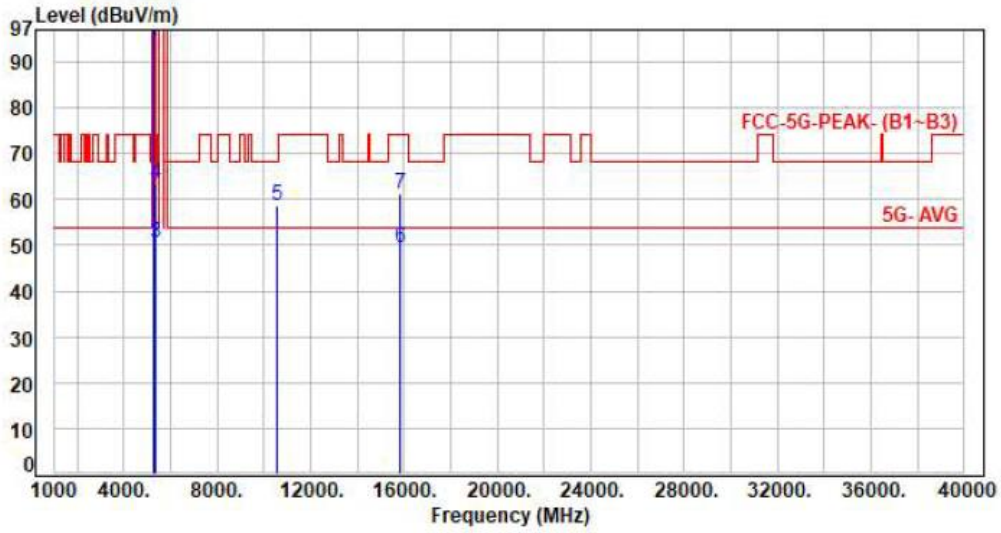


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	7.04	94.15	101.19	200.00	-98.81	Average	338	177	P
2	5270.00	7.04	102.90	109.94	200.00	-90.06	Peak	338	177	P
3	5350.00	7.27	44.36	51.63	54.00	-2.37	Average	338	177	P
4	5350.00	7.27	56.36	63.63	74.00	-10.37	Peak	338	177	P
5	10540.00	16.65	41.65	58.30	68.20	-9.90	Peak	100	112	P
6	15810.00	19.51	29.74	49.25	54.00	-4.75	Average	100	224	P
7	15810.00	19.51	41.95	61.46	74.00	-12.54	Peak	100	224	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 System(AC120V/60Hz)
Pol : Horizontal

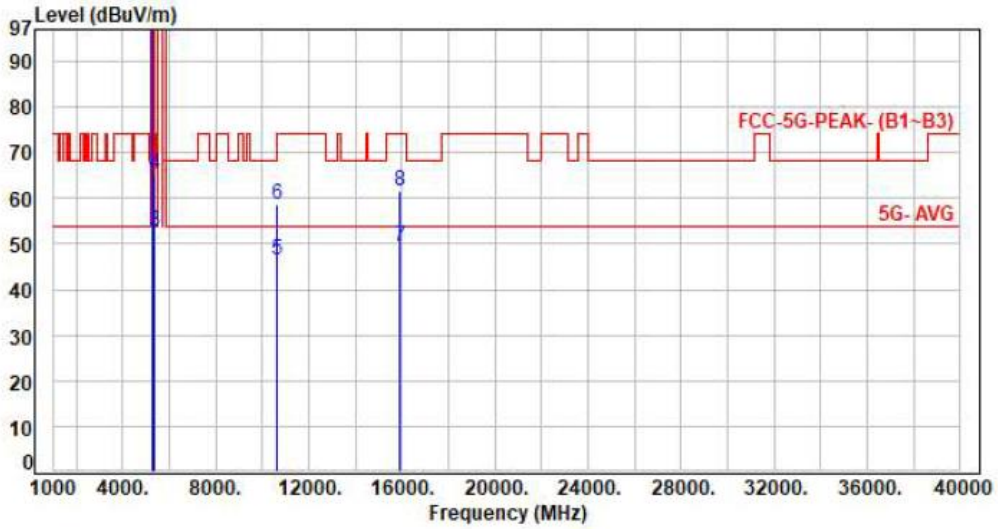


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	7.04	87.45	94.49	200.00	-105.51	Average	346	214	P
2	5270.00	7.04	96.35	103.39	200.00	-96.61	Peak	346	214	P
3	5350.00	7.27	43.39	50.66	54.00	-3.34	Average	346	214	P
4	5350.00	7.27	56.19	63.46	74.00	-10.54	Peak	346	214	P
5	10540.00	16.65	41.95	58.60	68.20	-9.60	Peak	100	123	P
6	15810.00	19.51	29.74	49.25	54.00	-4.75	Average	100	213	P
7	15810.00	19.51	41.74	61.25	74.00	-12.75	Peak	100	213	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 System(AC120V/60Hz)
Pol : Vertical

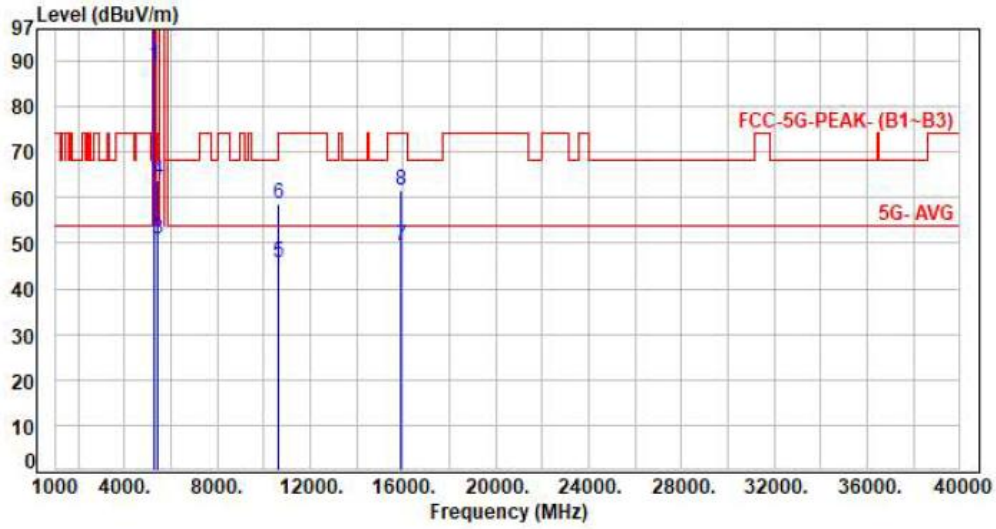


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	7.22	88.89	96.11	200.00	-103.89	Average	315	171	P
2	5310.00	7.22	97.08	104.30	200.00	-95.70	Peak	315	171	P
3	5350.00	7.27	45.49	52.76	54.00	-1.24	Average	315	171	P
4	5350.00	7.27	58.02	65.29	74.00	-8.71	Peak	315	171	P
5	10620.00	16.87	29.47	46.34	54.00	-7.66	Average	100	123	P
6	10620.00	16.87	41.96	58.83	74.00	-15.17	Peak	100	123	P
7	15930.00	19.51	29.74	49.25	54.00	-4.75	Average	100	185	P
8	15930.00	19.51	41.96	61.47	74.00	-12.53	Peak	100	185	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 System(AC120V/60Hz)
Pol : Horizontal

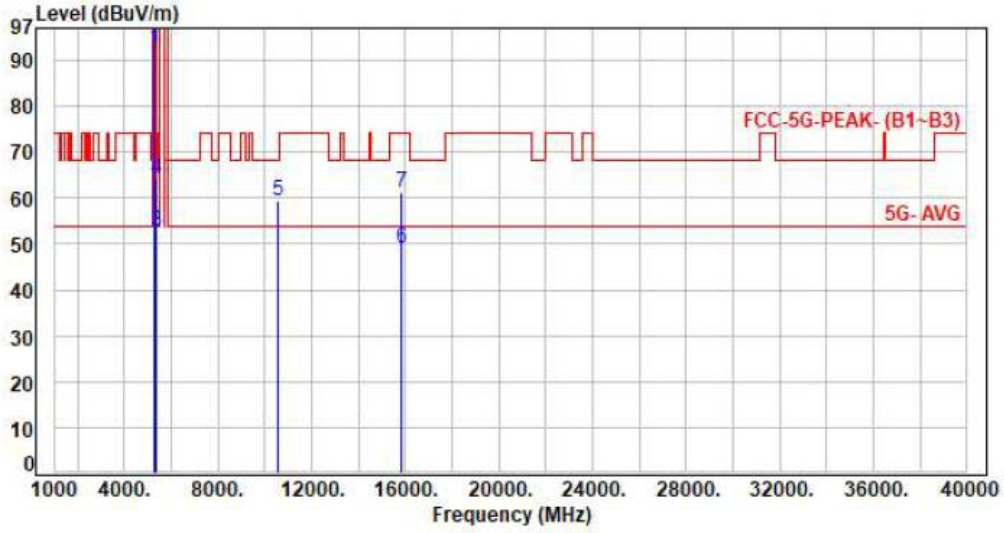


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	7.22	81.80	89.02	200.00	-110.98	Average	106	292	P
2	5310.00	7.22	91.79	99.01	200.00	-100.99	Peak	106	292	P
3	5460.00	7.55	43.31	50.86	54.00	-3.14	Average	106	292	P
4	5460.00	7.55	56.36	63.91	74.00	-10.09	Peak	106	292	P
5	10620.00	16.87	28.99	45.86	54.00	-8.14	Average	100	147	P
6	10620.00	16.87	41.62	58.49	74.00	-15.51	Peak	100	147	P
7	15930.00	19.51	29.75	49.26	54.00	-4.74	Average	100	231	P
8	15930.00	19.51	42.16	61.67	74.00	-12.33	Peak	100	231	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 System(AC120V/60Hz)
Pol : Vertical

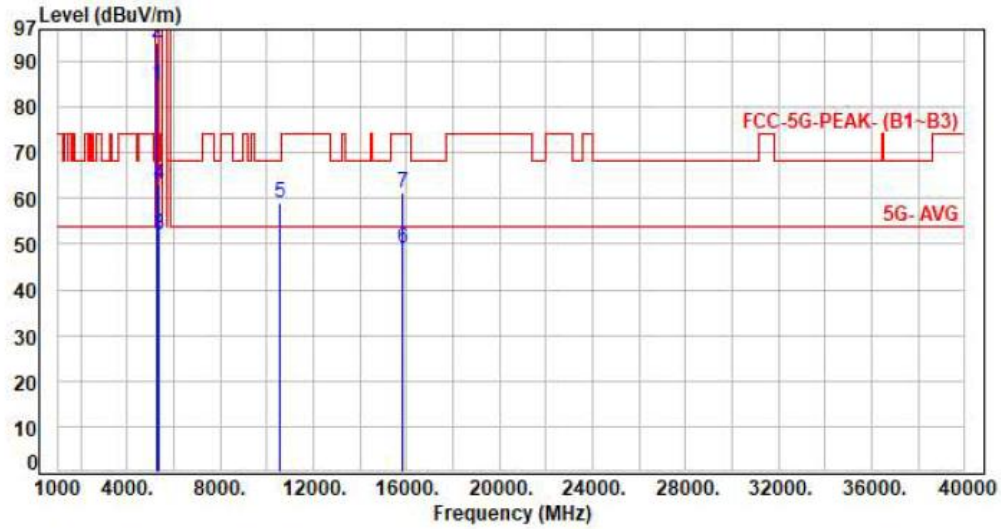


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	7.15	85.36	92.51	200.00	-107.49	Average	355	172	P
2	5290.00	7.15	94.35	101.50	200.00	-98.50	Peak	355	172	P
3	5350.00	7.27	45.49	52.76	54.00	-1.24	Average	355	172	P
4	5350.00	7.27	57.02	64.29	74.00	-9.71	Peak	355	172	P
5	10580.00	16.74	42.66	59.40	68.20	-8.80	Peak	100	212	P
6	15870.00	19.54	29.46	49.00	54.00	-5.00	Average	100	131	P
7	15870.00	19.54	41.74	61.28	74.00	-12.72	Peak	100	131	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 System(AC120V/60Hz)
Pol : Horizontal

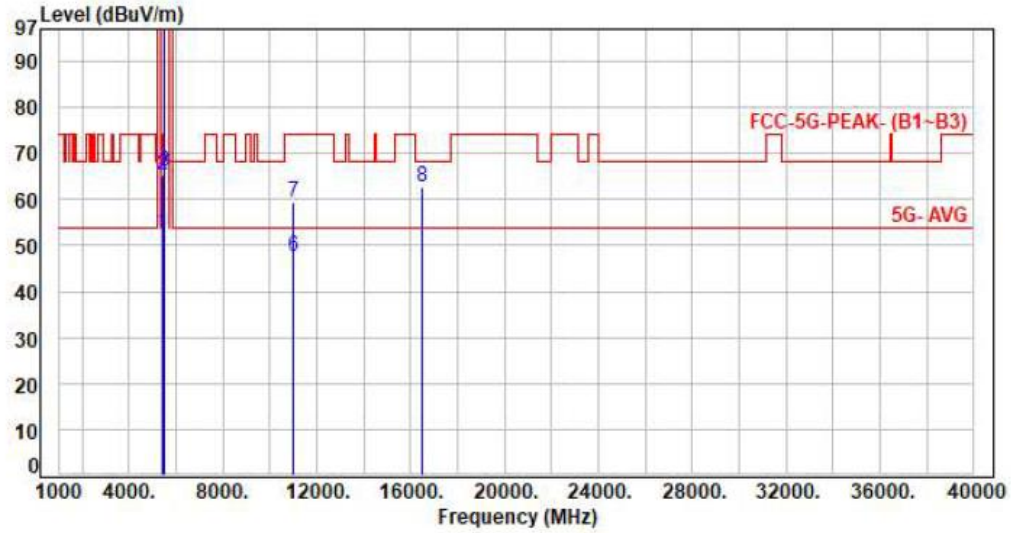


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	7.15	77.64	84.79	200.00	-115.21	Average	100	296	P
2	5290.00	7.15	86.79	93.94	200.00	-106.06	Peak	100	296	P
3	5350.00	7.27	44.72	51.99	54.00	-2.01	Average	100	296	P
4	5350.00	7.27	55.75	63.02	74.00	-10.98	Peak	100	296	P
5	10580.00	16.74	42.16	58.90	68.20	-9.30	Peak	100	131	P
6	15870.00	19.54	29.61	49.15	54.00	-4.85	Average	100	112	P
7	15870.00	19.54	41.83	61.37	74.00	-12.63	Peak	100	112	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 System(AC120V/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	7.55	45.31	52.86	54.00	-1.14	Average	347	163	P
2	5460.00	7.55	57.70	65.25	74.00	-8.75	Peak	347	163	P
3	5470.00	7.58	58.31	65.89	68.20	-2.31	Peak	347	163	P
4	5500.00	7.68	92.06	99.74	200.00	-100.26	Average	347	163	P
5	5500.00	7.68	102.99	110.67	200.00	-89.33	Peak	347	163	P
6	11000.00	17.78	29.62	47.40	54.00	-6.60	Average	100	188	P
7	11000.00	17.78	41.62	59.40	74.00	-14.60	Peak	100	188	P
8	16500.00	20.78	41.94	62.72	68.20	-5.48	Peak	100	242	P

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