



FCC RADIO TEST REPORT

Applicant : Ubiquiti Inc.

Address : 685 Third Avenue, New York, New York 10017,
USA

Equipment : UniFi G3 Touch Pro

Model No. : UTP-G3-Touch-Pro

Trade Name : UBIQUITI

FCC ID : SWX-UG3TP

I HEREBY CERTIFY THAT :

The sample was received on Aug. 23, 2023 and the testing was completed on Oct. 20, 2023 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory





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History of this test report

Report No.	Issued Date	Description
23080247-TRFCC04	Oct. 31, 2023	Original



1. Summary of Test Procedure and Test Results

1.1. Applicable Standards

ANSI C63.10:2013

FCC Rules and Regulations Part 15 Subpart E §15.407

KDB 789033

FCC Rule	Description of Test	Result
15.203	Antenna Requirement	PASS
15.207(a)	AC Power Line Conducted Emission	PASS
15.407(b) 15.209	Radiated Spurious Emission	PASS
15.407(a)	26 dB & Occupied Bandwidth	PASS
15.407	6 dB Bandwidth	PASS
15.407 (a) & (a)(3)	Average Power	PASS
15.407(a)	Power Spectral Density	PASS
2.1091	Radio Frequency Exposure	PASS

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



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Operation 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, $\pi/4$ -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, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps 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	ANT A :PIFA Antenna ANT B :Chip Antenna
Antenna Gain	2400MHz~2483.5MHz: ANT A :2.5dBi, For BLE 2400MHz~2483.5MHz: ANT B :1.8dBi .For BT / BLE 2400-2483.5MHz: ANT B: 1.8dBi 5150-5250MHz: ANT B: 3.00dBi 5250-5350MHz: ANT B: 3.00dBi 5470-5725MHz: ANT B: 3.00dBi 5725-5850MHz: ANT B: 3.00dBi

Note:

1. EUT support TPC Function.
2. BT and WLAN can simultaneously transmission.
3. EUT support Client Mode without radar detection.
4. For Chip:Nordic+(Chip:nRF5340) Only Support BLE, use ANT A
For Chip:WCN3680 Support BT and BLE and WLAN, use ANT B
5. For more details, please refer to the User's manual of the EUT.



2.2. Carrier Frequency of Channels

Band: 5150MHz-5250MHz

802.11a, 802.11n HT20, 802.11ac VHT20

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

- During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
- An executive program, " QRCT ver. 4.0.00201.0" under Windows OS system was executed to transmit and receive data via WLAN.
- The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11a (6Mbps) , From POE
2	802.11ac VHT20 (6.5Mbps) , From POE
3	802.11ac VHT40 (13.5Mbps) , From POE
4	802.11ac VHT80 (29.3Mbps) , From POE
caused "Test Mode 2" generated the worst case, it was reported as the final data.	
Radiation Emissions (BELOW 1GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) , From POE
2	802.11ac VHT20 (6.5Mbps) , From POE
3	802.11ac VHT40 (13.5Mbps) , From POE
4	802.11ac VHT80 (29.3Mbps) , From POE
caused "Test Mode 2" generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 40GHz)	
Test Mode	Operating Description
1	802.11a (6Mbps) , From POE
2	802.11ac VHT20 (6.5Mbps) , From POE
3	802.11ac VHT40 (13.5Mbps) , From POE
4	802.11ac VHT80 (29.3Mbps) , From POE
caused "Test Mode 1~4" generated the worst case, they were reported as the final data.	

Note:

1. There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.

For AC Power Line Conducted Emission: AC 120V / 60Hz is worst case.

For Radiated Spurious Emission (BELOW 1GHz): AC 240V / 60Hz is worst case.

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	Adapter / 1.8m / NS
3 Prong AC Power Cable	UI	NEMA5	0.6m / NS	N/A
POE	UBIQUITI	GP-H480-050G	N/A	0.6m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Micro USB(Blue)	kolin	KEX-DLCP07	1m / NS	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
3 Prong AC Power Cable	UI	NEMA5	0.6m / NS	N/A
POE	UBIQUITI	GP-H480-050G	N/A	0.6m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Micro USB(Blue)	kolin	KEX-DLCP07	1m / NS	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
POE	UBIQUITI	GP-H480-050G	N/A	0.6m / NS
3 Prong AC Power Cable	UI	NEMA5	0.6m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
Micro USB(Blue)	kolin	KEX-DLCP07	1m / NS	N/A



2.5. General Information of Test

☒ Test Site	CerpPASS Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel: +886-3-3226-888 Fax: +886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
Frequency Range Investigated	Conducted: from 150kHz to 30 MHz Radiation: from 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	2023/9/1~2023/10/20	23.5~27°C / 46~58%	Leon Huang
Radiated Emissions	3M02-NK	2023/9/2~2023/9/12	19~23°C / 44~66%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2023/09/12	23°C / 66%	Leon Huang



2.6. Measurement Uncertainty

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

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.28dB
Radiated Spurious Emission(9KHz~30MHz)	±3.5dB
Radiated Spurious Emission(30MHz~1GHz)	±5.1dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
6dB Bandwidth	±5.4%
26dB Bandwidth	±4.4%
Occupied Bandwidth	±4.5%
Peak Output Power(Conducted Power Meter)	±1.1dB
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%
Frequency Stability	±0.23KHz



3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	275	2022/11/18	2023/11/17
Active Loop Antenna	Schwarzbeck	FMZB 1513	414	2023/02/03	2024/02/02
Horn Antenna	EMCO	3115	31589	2023/03/23	2024/03/22
Horn Antenna	EMCO	3116	31970	2023/03/03	2024/03/02
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2023/07/05	2024/07/04
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2023/08/16	2024/08/15
Preamplifier	Agilent	8449B	3008A01954	2023/03/08	2024/03/07
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2022/11/11	2023/11/10
Preamplifier	EM Electronics corp.	EM330	60658	2022/10/04	2023/10/03
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2023/03/13	2024/03/12
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2023/02/25	2024/02/24
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2023/03/07	2024/03/06
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2023/03/07	2024/03/06
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2023/03/07	2024/03/06
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2023/03/07	2024/03/06
Cable-3m(10M-40G)	HUBER SUHNER	SF102	804619/2	2022/10/11	2023/10/10
High Pass Filter	Warison	WFIL-H3000-18000F-03	WRJ5CFWC2J1	2023/07/03	2024/07/02
Highpass Filter	Warison	WFIL-H7500-18000F	WRQ4BFWC2J1	2023/03/13	2024/03/12
Notch Filter	Warison	WFIL-N5925-7125F-04	WRQ4BFWC4M1	2023/03/13	2024/03/12
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2022/11/29	2023/11/28
Power Meter	Anritsu	ML2495A	1224005	2023/03/07	2024/03/06
Power Sensor	Anritsu	MA2411B	1207295	2023/03/07	2024/03/06
Attenuator	KEYSIGHT	8491B	MY39250703	2023/03/08	2024/03/07



Test Item	AC Power Line Conducted Emission				
Test Site	CON02-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2023/07/05	2024/07/04
TWO-LINE V-NETWORK	ROHDE & SCHWARZ	ENV216	102185	2023/08/29	2024/08/28
Cable-4m(9k-3G)	EMEC	RG-223	18274M	2023/07/31	2024/07/30
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	ANT B :Chip Antenna
Antenna Gain	5150-5250MHz: ANT B: 3.00dBi 5250-5350MHz: ANT B: 3.00dBi 5470-5725MHz: ANT B: 3.00dBi 5725-5850MHz: ANT B: 3.00dBi



5. Test of AC Power Line Conducted Emission

5.1. Test Limit

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

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

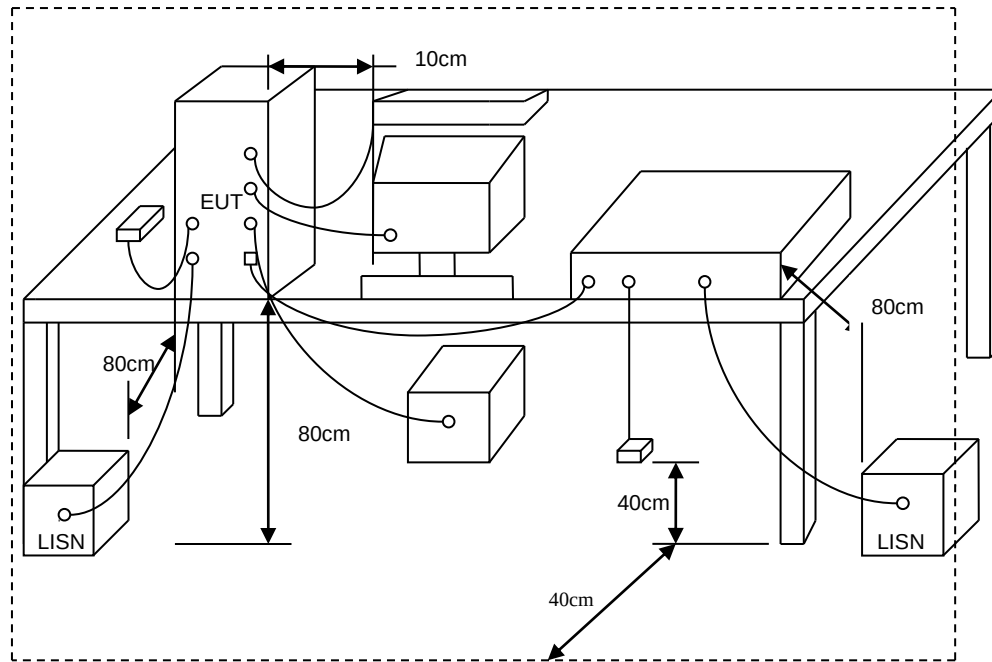
*Decreases with the logarithm of the frequency.

5.2. Test Procedures

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



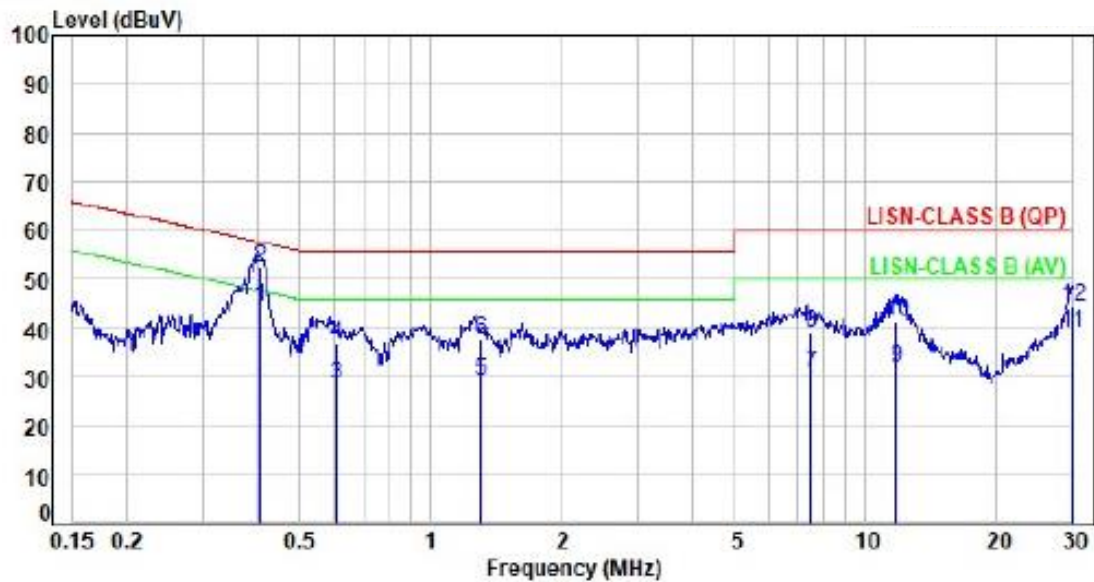
5.3. Typical Test Setup





5.4. Test Result and Data

Power	: AC 120V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 2, CH165		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.40	9.66	34.97	44.63	47.76	-3.13	Average	P
2	0.40	9.66	42.75	52.41	57.76	-5.35	QP	P
3	0.61	9.65	18.69	28.34	46.00	-17.66	Average	P
4	0.61	9.65	27.39	37.04	56.00	-18.96	QP	P
5	1.30	9.66	19.73	29.39	46.00	-16.61	Average	P
6	1.30	9.66	27.84	37.50	56.00	-18.50	QP	P
7	7.51	9.80	20.94	30.74	50.00	-19.26	Average	P
8	7.51	9.80	29.30	39.10	60.00	-20.90	QP	P
9	11.80	9.86	21.94	31.80	50.00	-18.20	Average	P
10	11.80	9.86	31.55	41.41	60.00	-18.59	QP	P
11	29.85	9.95	29.20	39.15	50.00	-10.85	Average	P
12	29.85	9.95	34.69	44.64	60.00	-15.36	QP	P

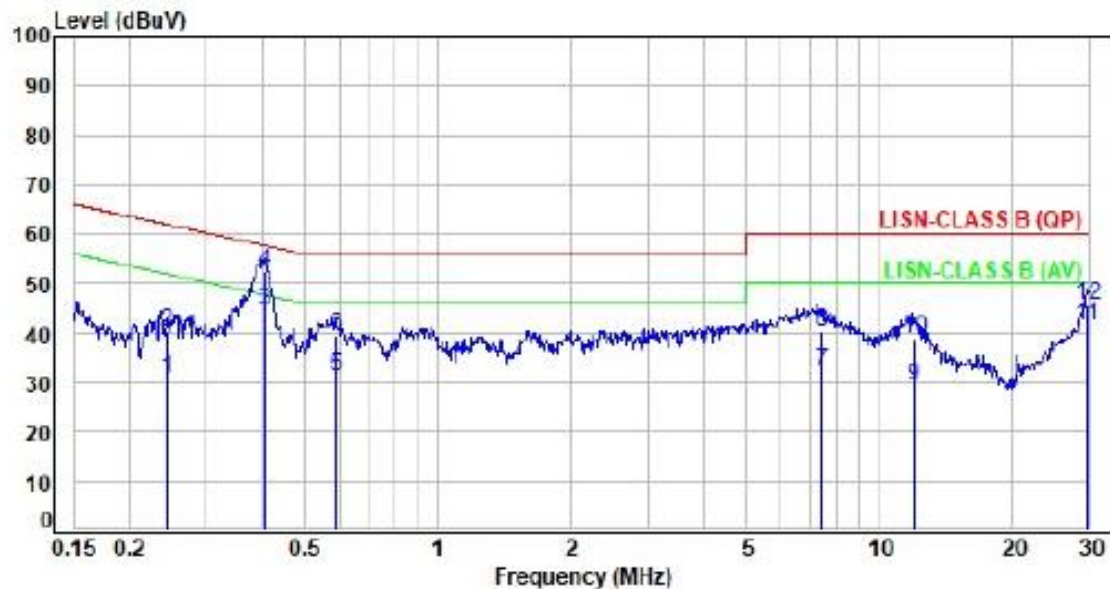
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



Power	: AC 120V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 2, CH165		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.24	9.56	21.14	30.72	51.97	-21.25	Average	P
2	0.24	9.56	30.55	40.13	61.97	-21.84	QP	P
3	0.40	9.57	35.06	44.63	47.77	-3.14	Average	P
4	0.40	9.57	42.91	52.48	57.77	-5.29	QP	P
5	0.59	9.58	21.77	31.35	46.00	-14.65	Average	P
6	0.59	9.58	29.94	39.52	56.00	-16.48	QP	P
7	7.43	9.76	22.51	32.27	50.00	-17.73	Average	P
8	7.43	9.76	30.59	40.35	60.00	-19.65	QP	P
9	11.96	9.64	19.27	29.11	50.00	-20.89	Average	P
10	11.96	9.64	28.84	38.68	60.00	-21.32	QP	P
11	29.68	10.09	31.34	41.43	50.00	-8.57	Average	P
12	29.68	10.09	35.57	45.66	60.00	-14.34	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.

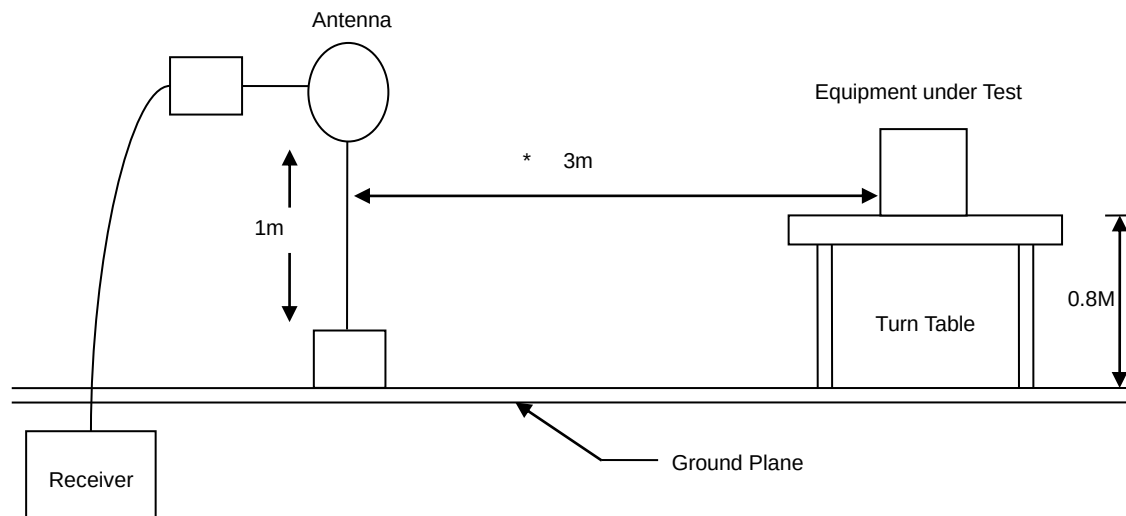
Note:

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

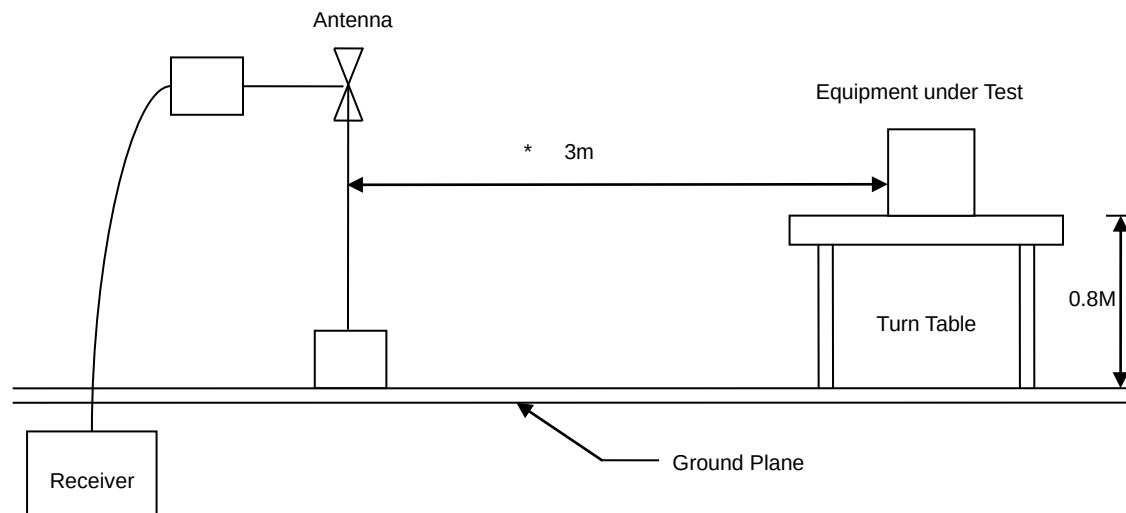


6.3. Typical Test Setup

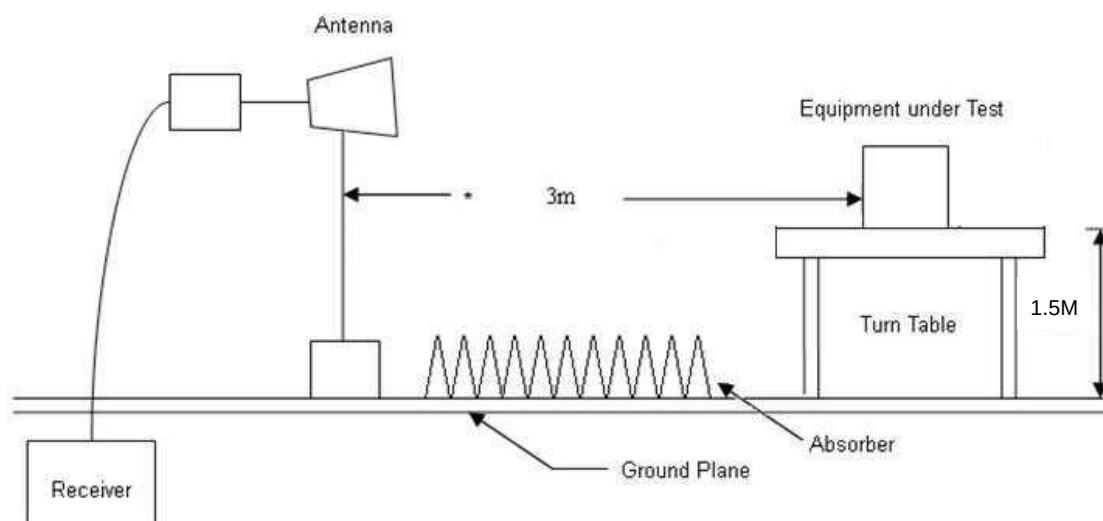
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



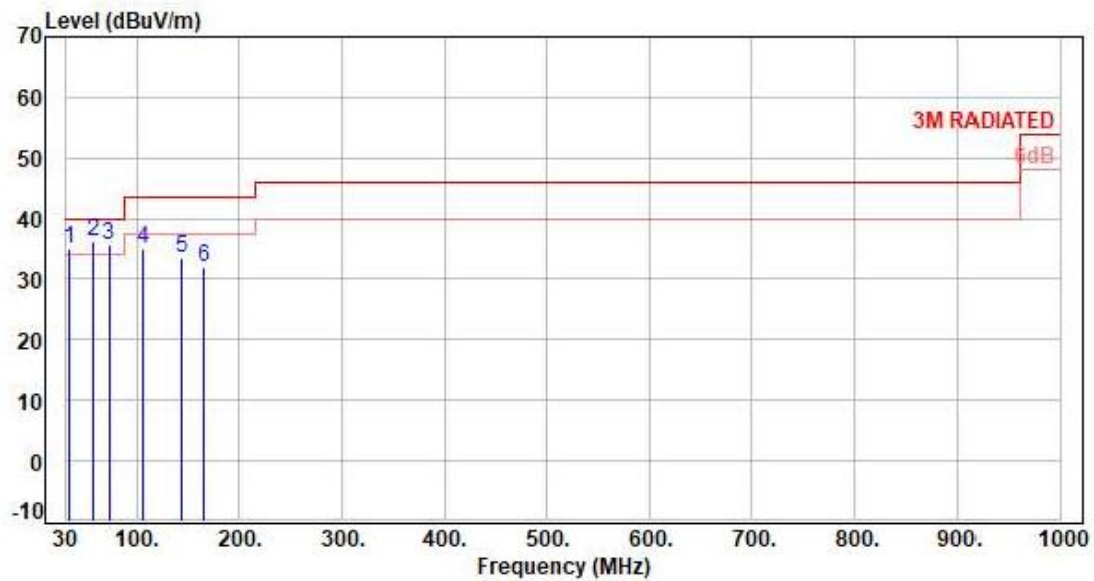


6.4. Test Result and Data (9kHz ~ 30MHz)

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

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

Test Mode : 1TX 11ac20 CH165 NSS1 MCS0
Voltage : From PoE(PoE AC 240V/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	33.88	-12.29	47.28	34.99	40.00	-5.01	Peak	400	0	P
2	57.16	-10.95	47.26	36.31	40.00	-3.69	Peak	400	0	P
3	72.68	-13.80	49.38	35.58	40.00	-4.42	Peak	400	0	P
4	105.66	-14.75	49.75	35.00	43.50	-8.50	Peak	400	0	P
5	144.46	-10.91	44.47	33.56	43.50	-9.94	Peak	400	0	P
6	165.80	-11.10	43.17	32.07	43.50	-11.43	Peak	400	0	P

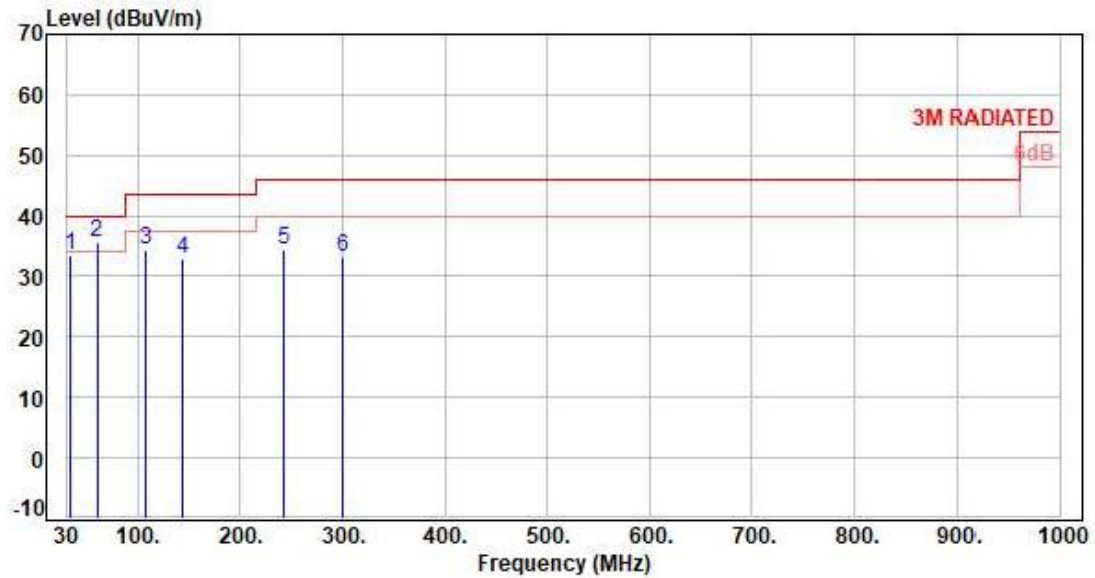
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Test Mode : 1TX 11ac20 CH165 NSS1 MCS0
Voltage : From PoE(PoE AC 240V/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	33.88	-12.29	45.69	33.40	40.00	-6.60	Peak	400	0	P
2	60.07	-11.31	46.99	35.68	40.00	-4.32	Peak	400	0	P
3	107.60	-14.43	48.95	34.52	43.50	-8.98	Peak	400	0	P
4	144.46	-10.91	43.88	32.97	43.50	-10.53	Peak	400	0	P
5	243.40	-12.24	46.74	34.50	46.00	-11.50	Peak	400	0	P
6	299.66	-10.18	43.34	33.16	46.00	-12.84	Peak	400	0	P

Note: Level=Reading+Factor

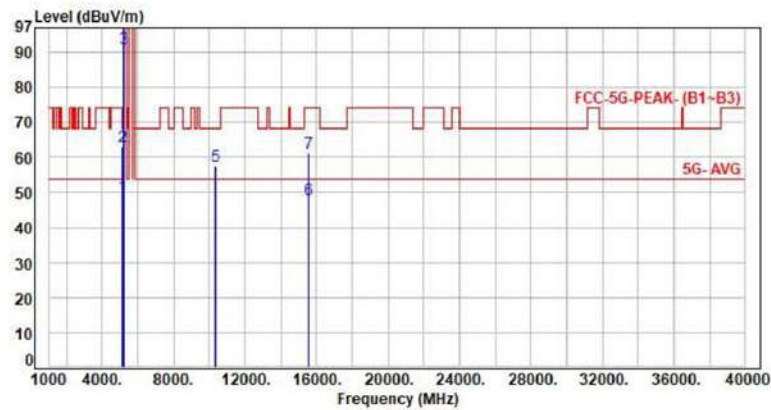
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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

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

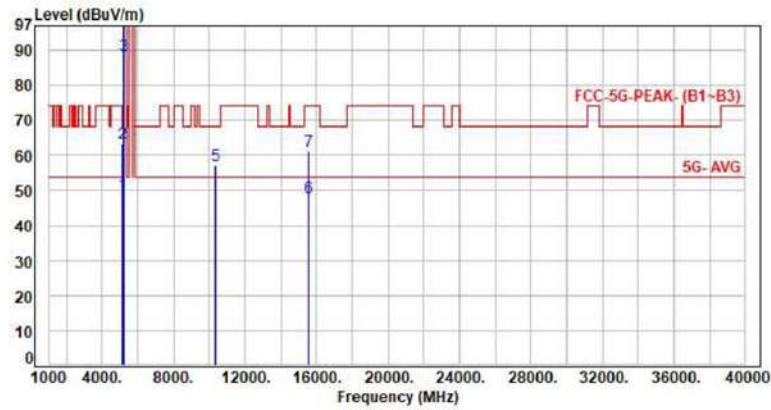


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.18	48.88	54.00	-5.12	Average	400	214	P
2	5150.00	6.70	56.47	63.17	74.00	-10.83	Peak	400	214	P
3	5180.00	6.85	84.36	91.21	200.00	-108.79	Average	400	214	P
4	5180.00	6.85	95.58	102.43	200.00	-97.57	Peak	400	214	P
5	10360.00	15.93	41.56	57.49	68.20	-10.71	Peak	100	84	P
6	15540.00	19.69	28.44	48.13	54.00	-5.87	Average	100	154	P
7	15540.00	19.69	41.63	61.32	74.00	-12.68	Peak	100	154	P

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



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

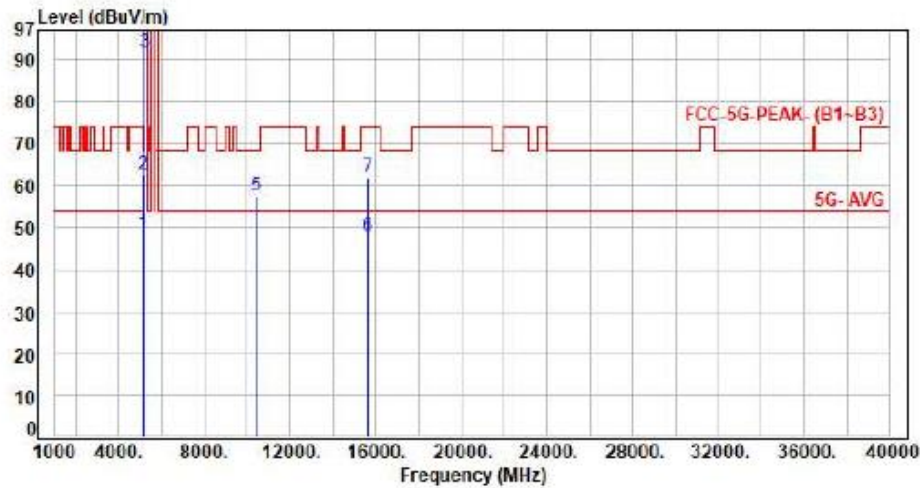


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.23	48.93	54.00	-5.07	Average	144	2	P
2	5150.00	6.70	56.88	63.58	74.00	-10.42	Peak	144	2	P
3	5180.00	6.85	81.74	88.59	200.00	-111.41	Average	144	2	P
4	5180.00	6.85	93.45	100.30	200.00	-99.70	Peak	144	2	P
5	10360.00	15.93	41.17	57.10	68.20	-11.10	Peak	100	74	P
6	15540.00	19.69	28.39	48.08	54.00	-5.92	Average	100	51	P
7	15540.00	19.69	41.39	61.08	74.00	-12.92	Peak	100	51	P

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



Test Mode : 1TX 11a CH40 6Mbps
Voltage : From PoE(PoE AC 120V/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	6.70	42.13	48.83	54.00	-5.17	Average	399	215	P
2	5150.00	6.70	55.85	62.55	74.00	-11.45	Peak	399	215	P
3	5200.00	6.95	84.87	91.82	200.00	-108.18	Average	399	215	P
4	5200.00	6.95	96.74	103.69	200.00	-96.31	Peak	399	215	P
5	10400.00	15.84	41.69	57.53	68.20	-10.67	Peak	100	82	P
6	15600.00	19.64	28.32	47.96	54.00	-6.04	Average	100	155	P
7	15600.00	19.64	42.17	61.81	74.00	-12.19	Peak	100	155	P

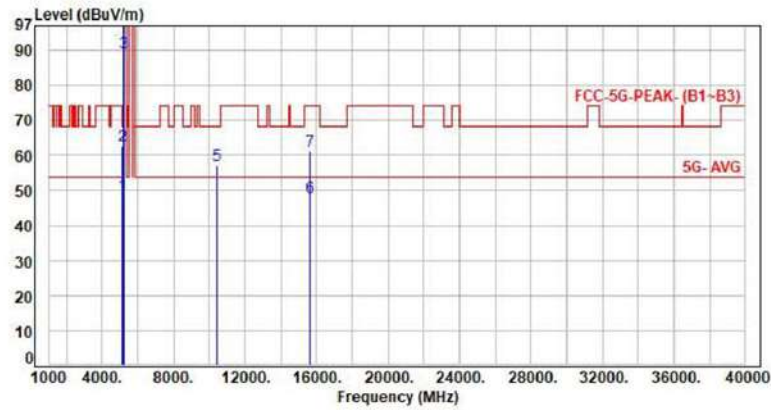
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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

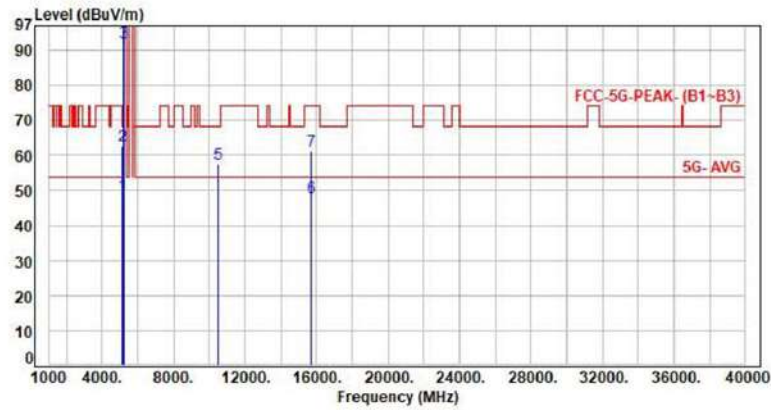


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.08	48.78	54.00	-5.22	Average	155	4	P
2	5150.00	6.70	56.02	62.72	74.00	-11.28	Peak	155	4	P
3	5200.00	6.95	82.28	89.23	200.00	-110.77	Average	155	4	P
4	5200.00	6.95	94.14	101.09	200.00	-98.91	Peak	155	4	P
5	10400.00	15.84	41.39	57.23	68.20	-10.97	Peak	100	76	P
6	15600.00	19.64	28.39	48.03	54.00	-5.97	Average	100	52	P
7	15600.00	19.64	41.53	61.17	74.00	-12.83	Peak	100	52	P

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



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

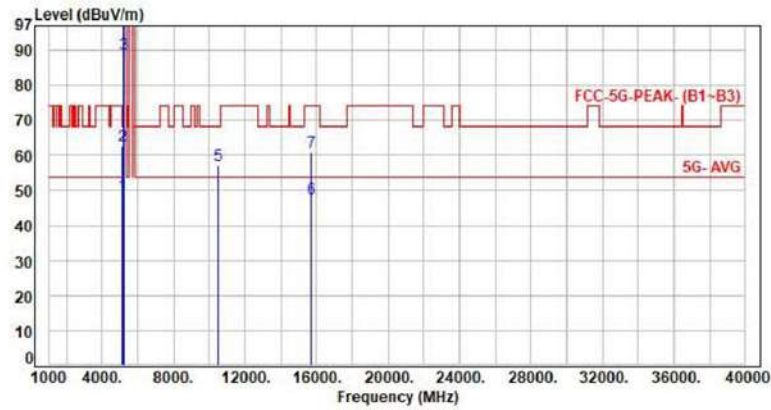


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.04	48.74	54.00	-5.26	Average	392	228	P
2	5150.00	6.70	56.09	62.79	74.00	-11.21	Peak	392	228	P
3	5240.00	7.00	85.36	92.36	200.00	-107.64	Average	392	228	P
4	5240.00	7.00	96.45	103.45	200.00	-96.55	Peak	392	228	P
5	10480.00	15.97	41.39	57.36	68.20	-10.84	Peak	100	83	P
6	15720.00	19.25	28.63	47.88	54.00	-6.12	Average	100	159	P
7	15720.00	19.25	41.82	61.07	74.00	-12.93	Peak	100	159	P

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



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

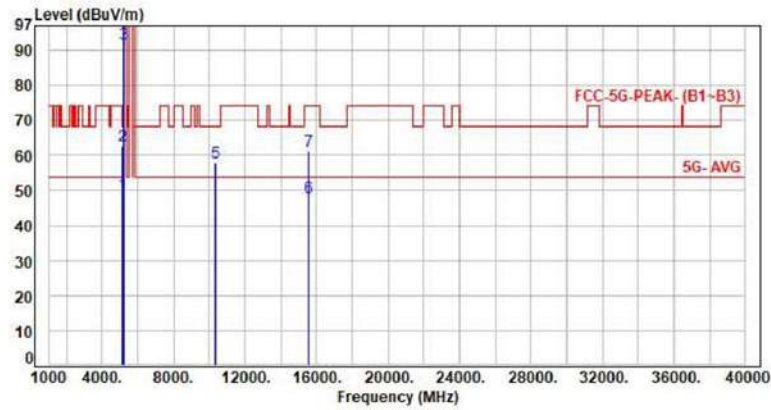


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.05	48.75	54.00	-5.25	Average	122	319	P
2	5150.00	6.70	55.87	62.57	74.00	-11.43	Peak	122	319	P
3	5240.00	7.00	82.02	89.02	200.00	-110.98	Average	122	319	P
4	5240.00	7.00	93.64	100.64	200.00	-99.36	Peak	122	319	P
5	10480.00	15.97	41.25	57.22	68.20	-10.98	Peak	100	77	P
6	15720.00	19.25	28.45	47.70	54.00	-6.30	Average	100	52	P
7	15720.00	19.25	41.64	60.89	74.00	-13.11	Peak	100	52	P

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



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

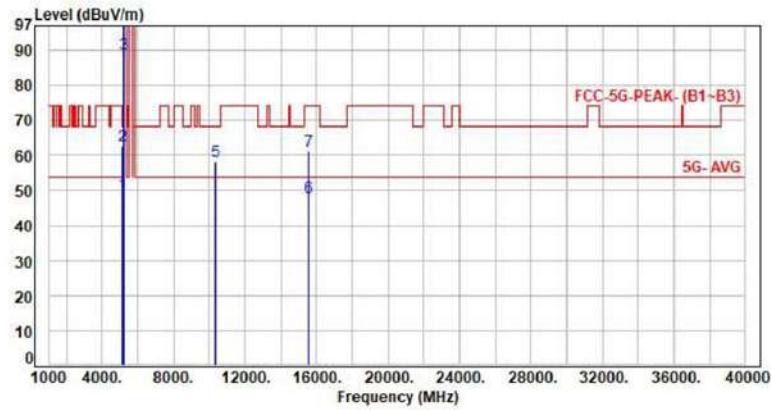


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.31	49.01	54.00	-4.99	Average	399	228	P
2	5150.00	6.70	56.12	62.82	74.00	-11.18	Peak	399	228	P
3	5180.00	6.85	84.88	91.73	200.00	-108.27	Average	399	228	P
4	5180.00	6.85	95.58	102.43	200.00	-97.57	Peak	399	228	P
5	10360.00	15.93	41.83	57.76	68.20	-10.44	Peak	100	88	P
6	15540.00	19.69	28.29	47.98	54.00	-6.02	Average	100	151	P
7	15540.00	19.69	41.66	61.35	74.00	-12.65	Peak	100	151	P

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



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

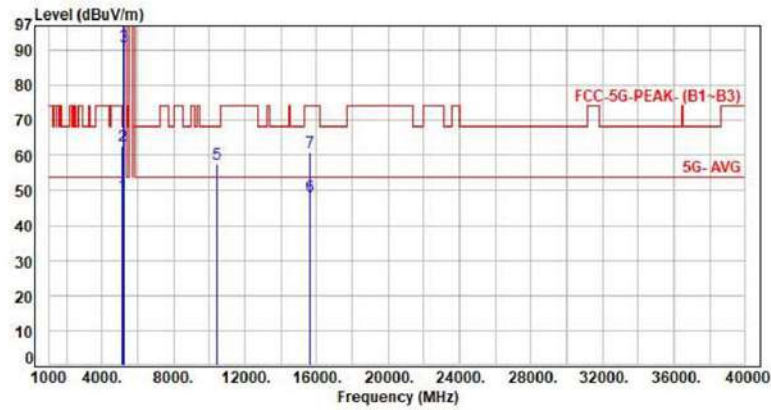


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.33	49.03	54.00	-4.97	Average	142	3	P
2	5150.00	6.70	55.96	62.66	74.00	-11.34	Peak	142	3	P
3	5180.00	6.85	82.19	89.04	200.00	-110.96	Average	142	3	P
4	5180.00	6.85	92.69	99.54	200.00	-100.46	Peak	142	3	P
5	10360.00	15.93	42.19	58.12	68.20	-10.08	Peak	100	75	P
6	15540.00	19.69	28.10	47.87	54.00	-6.13	Average	100	52	P
7	15540.00	19.69	41.67	61.36	74.00	-12.64	Peak	100	52	P

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



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

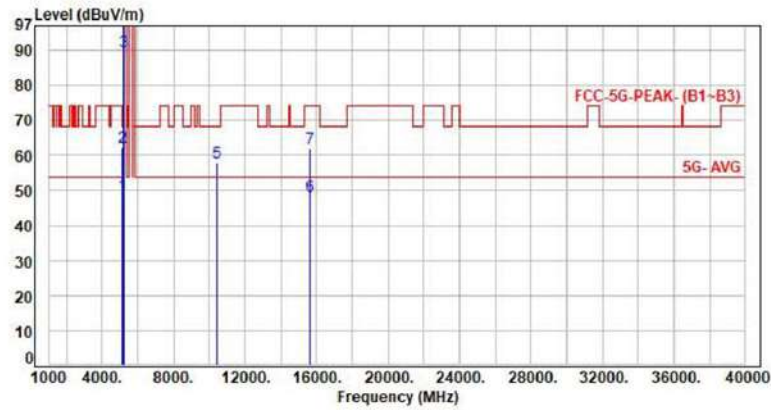


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.05	48.75	54.00	-5.25	Average	396	230	P
2	5150.00	6.70	56.16	62.86	74.00	-11.14	Peak	396	230	P
3	5200.00	6.95	84.18	91.13	200.00	-108.87	Average	396	230	P
4	5200.00	6.95	95.06	102.01	200.00	-97.99	Peak	396	230	P
5	10400.00	15.84	41.58	57.42	68.20	-10.78	Peak	100	85	P
6	15600.00	19.64	28.85	48.49	54.00	-5.51	Average	100	154	P
7	15600.00	19.64	41.39	61.03	74.00	-12.97	Peak	100	154	P

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



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

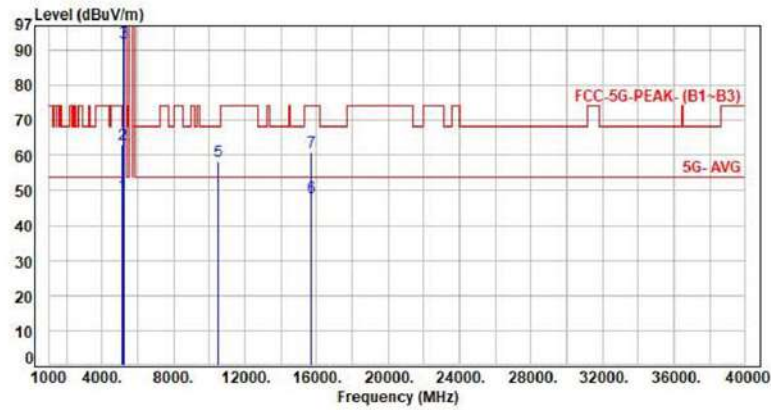


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.10	48.80	54.00	-5.20	Average	141	7	P
2	5150.00	6.70	55.71	62.41	74.00	-11.59	Peak	141	7	P
3	5200.00	6.95	82.66	89.61	200.00	-110.39	Average	141	7	P
4	5200.00	6.95	92.68	99.63	200.00	-100.37	Peak	141	7	P
5	10400.00	15.84	41.94	57.78	68.20	-10.42	Peak	100	78	P
6	15600.00	19.64	28.61	48.25	54.00	-5.75	Average	100	56	P
7	15600.00	19.64	42.34	61.98	74.00	-12.02	Peak	100	56	P

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



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

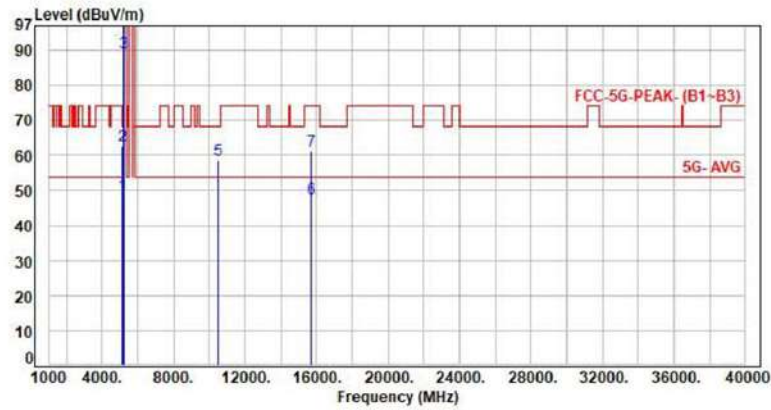


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.01	48.71	54.00	-5.29	Average	392	229	P
2	5150.00	6.70	56.39	63.09	74.00	-10.91	Peak	392	229	P
3	5240.00	7.00	85.04	92.04	200.00	-107.96	Average	392	229	P
4	5240.00	7.00	95.76	102.76	200.00	-97.24	Peak	392	229	P
5	10480.00	15.97	42.33	58.30	68.20	-9.90	Peak	100	86	P
6	15720.00	19.25	28.04	47.09	54.00	-6.11	Average	100	151	P
7	15720.00	19.25	41.58	60.83	74.00	-13.17	Peak	100	151	P

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



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

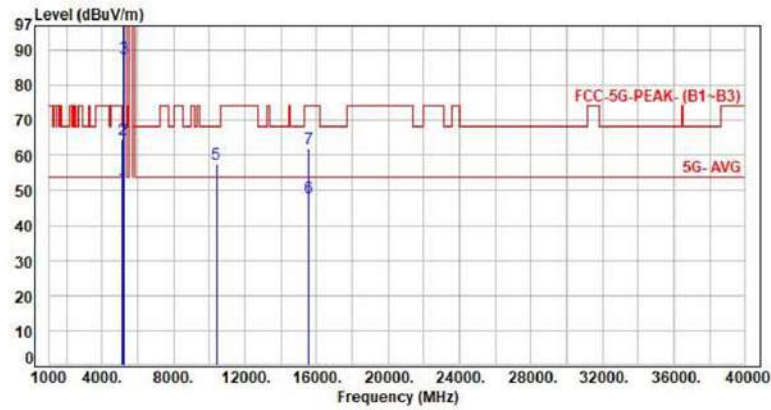


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	41.98	48.68	54.00	-5.32	Average	127	39	P
2	5150.00	6.70	56.06	62.76	74.00	-11.24	Peak	127	39	P
3	5240.00	7.00	82.23	89.23	200.00	-110.77	Average	127	39	P
4	5240.00	7.00	92.63	99.63	200.00	-100.37	Peak	127	39	P
5	10480.00	15.97	42.69	58.66	68.20	-9.54	Peak	100	74	P
6	15720.00	19.25	28.42	47.67	54.00	-6.33	Average	100	53	P
7	15720.00	19.25	41.85	61.10	74.00	-12.90	Peak	100	53	P

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



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

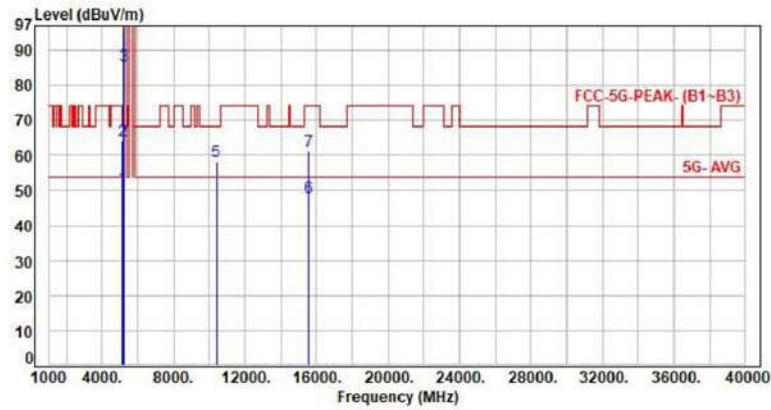


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.09	50.79	54.00	-3.21	Average	398	229	P
2	5150.00	6.70	57.86	64.56	74.00	-9.44	Peak	398	229	P
3	5190.00	6.90	80.83	87.73	200.00	-112.27	Average	398	229	P
4	5190.00	6.90	92.90	99.80	200.00	-100.20	Peak	398	229	P
5	10380.00	15.89	41.77	57.66	68.20	-10.54	Peak	100	80	P
6	15570.00	19.65	28.40	48.05	54.00	-5.95	Average	100	155	P
7	15570.00	19.65	42.14	61.79	74.00	-12.21	Peak	100	155	P

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



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

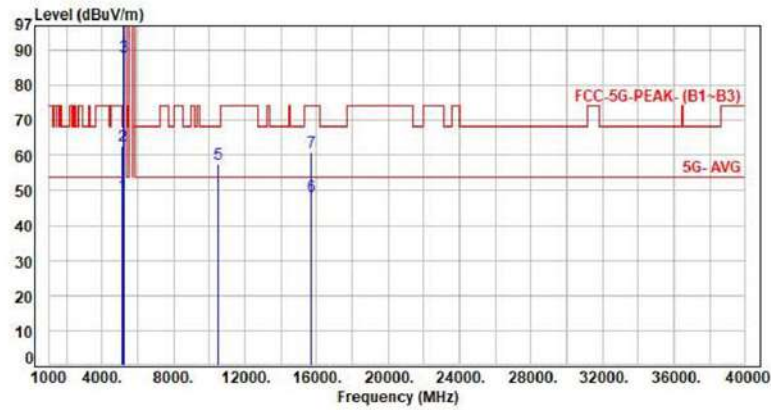


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.34	51.04	54.00	-2.96	Average	153	2	P
2	5150.00	6.70	57.36	64.06	74.00	-9.94	Peak	153	2	P
3	5190.00	6.90	78.61	85.51	200.00	-114.49	Average	153	2	P
4	5190.00	6.90	89.54	96.44	200.00	-103.56	Peak	153	2	P
5	10380.00	15.89	42.42	58.31	68.20	-9.89	Peak	100	73	P
6	15570.00	19.65	28.23	47.88	54.00	-6.12	Average	100	53	P
7	15570.00	19.65	41.65	61.30	74.00	-12.70	Peak	100	53	P

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



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

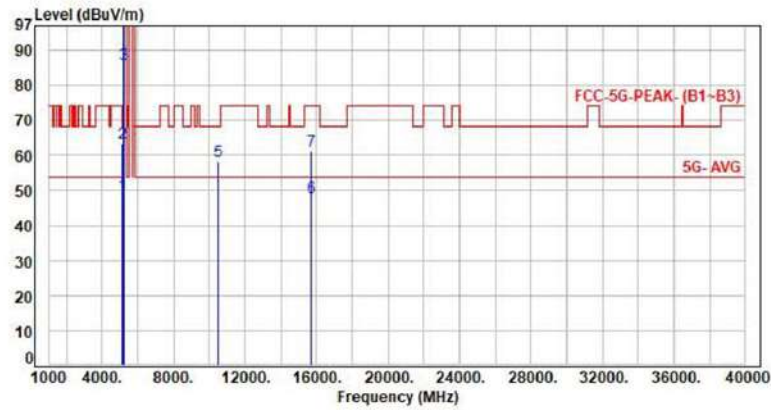


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.06	48.76	54.00	-5.24	Average	392	219	P
2	5150.00	6.70	55.97	62.67	74.00	-11.33	Peak	392	219	P
3	5230.00	6.99	81.08	88.07	200.00	-111.93	Average	392	219	P
4	5230.00	6.99	92.19	99.18	200.00	-100.82	Peak	392	219	P
5	10460.00	15.86	41.80	57.66	68.20	-10.54	Peak	100	84	P
6	15690.00	19.44	28.70	48.14	54.00	-5.86	Average	100	160	P
7	15690.00	19.44	41.48	60.92	74.00	-13.08	Peak	100	160	P

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



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

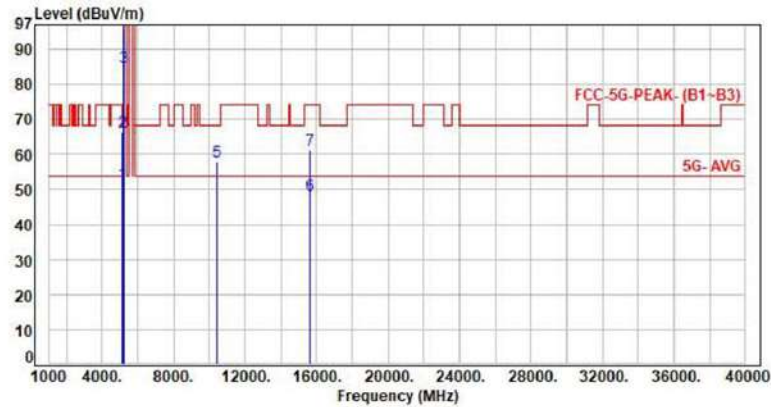


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	42.07	48.77	54.00	-5.23	Average	156	8	P
2	5150.00	6.70	56.82	63.52	74.00	-10.48	Peak	156	8	P
3	5230.00	6.99	78.86	85.85	200.00	-114.15	Average	156	8	P
4	5230.00	6.99	89.83	96.82	200.00	-103.18	Peak	156	8	P
5	10460.00	15.86	42.36	58.22	68.20	-9.98	Peak	100	74	P
6	15690.00	19.44	28.55	47.99	54.00	-6.01	Average	100	55	P
7	15690.00	19.44	41.84	61.28	74.00	-12.72	Peak	100	55	P

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



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

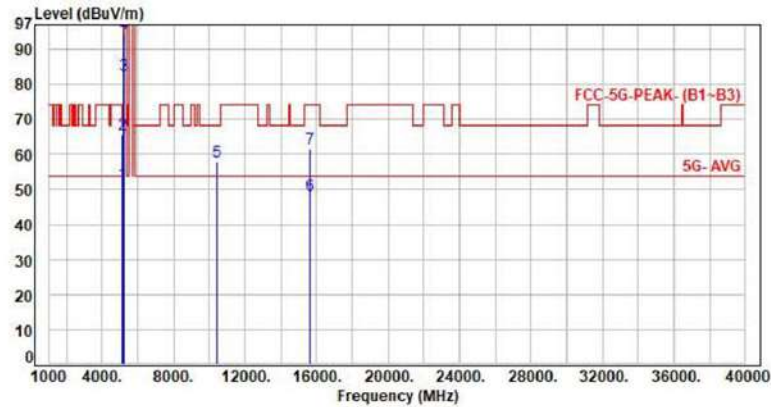


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	45.02	51.72	54.00	-2.28	Average	392	229	P
2	5150.00	6.70	59.74	66.44	74.00	-7.56	Peak	392	229	P
3	5210.00	6.97	78.03	85.00	200.00	-115.00	Average	392	229	P
4	5210.00	6.97	88.86	95.83	200.00	-104.17	Peak	392	229	P
5	10420.00	15.83	41.92	57.75	68.20	-10.45	Peak	100	84	P
6	15630.00	19.57	28.70	48.27	54.00	-5.73	Average	100	151	P
7	15630.00	19.57	41.67	61.24	74.00	-12.76	Peak	100	151	P

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



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

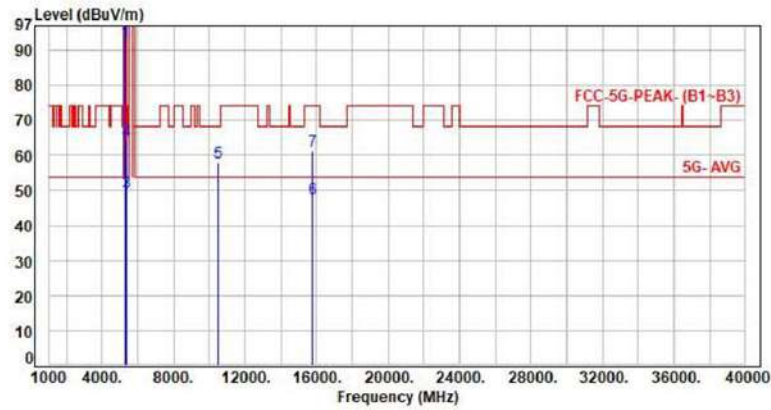


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5150.00	6.70	44.93	51.63	54.00	-2.37	Average	142	5	P
2	5150.00	6.70	59.10	65.80	74.00	-8.20	Peak	142	5	P
3	5210.00	6.97	75.51	82.48	200.00	-117.52	Average	142	5	P
4	5210.00	6.97	87.58	94.55	200.00	-105.45	Peak	142	5	P
5	10420.00	15.83	42.15	57.98	68.20	-10.22	Peak	100	78	P
6	15630.00	19.57	28.62	48.19	54.00	-5.81	Average	100	53	P
7	15630.00	19.57	41.95	61.52	74.00	-12.48	Peak	100	53	P

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



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

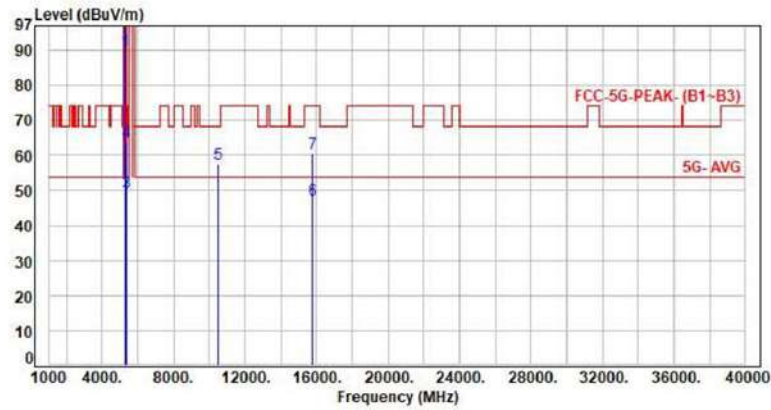


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	85.61	92.65	200.00	-107.35	Average	385	229	P
2	5260.00	7.04	97.22	104.26	200.00	-95.74	Peak	385	229	P
3	5350.00	7.22	42.34	49.56	54.00	-4.44	Average	385	229	P
4	5350.00	7.22	57.00	64.22	74.00	-9.78	Peak	385	229	P
5	10520.00	16.10	41.85	57.95	68.20	-10.25	Peak	100	84	P
6	15780.00	18.81	28.69	47.50	54.00	-6.50	Average	100	152	P
7	15780.00	18.81	42.29	61.10	74.00	-12.90	Peak	100	152	P

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



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

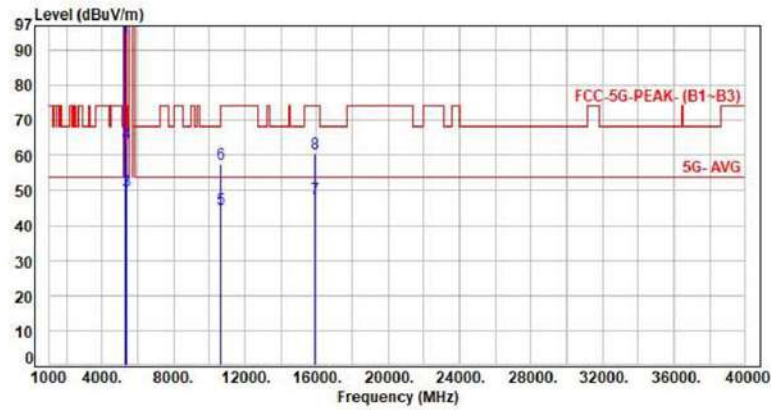


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	82.79	89.83	200.00	-110.17	Average	132	42	P
2	5260.00	7.04	93.95	100.99	200.00	-99.01	Peak	132	42	P
3	5350.00	7.22	42.32	49.54	54.00	-4.46	Average	132	42	P
4	5350.00	7.22	56.58	63.80	74.00	-10.20	Peak	132	42	P
5	10520.00	16.10	41.50	57.60	68.20	-10.60	Peak	100	74	P
6	15780.00	18.81	28.38	47.19	54.00	-6.81	Average	100	57	P
7	15780.00	18.81	41.82	60.63	74.00	-13.37	Peak	100	57	P

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



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

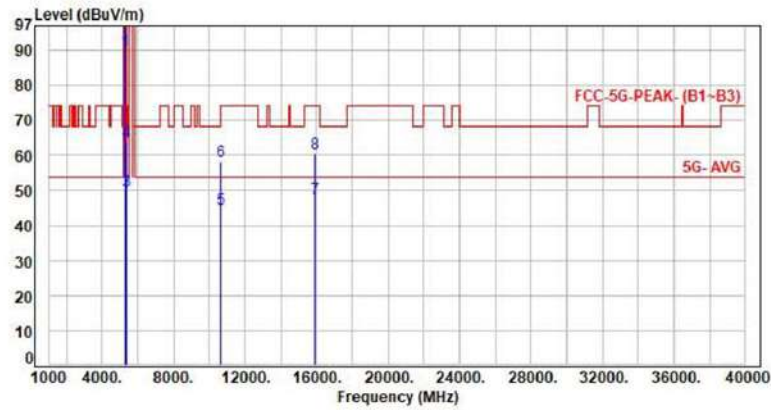


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	86.30	93.47	200.00	-106.53	Average	400	229	P
2	5300.00	7.17	97.44	104.61	200.00	-95.39	Peak	400	229	P
3	5350.00	7.22	42.58	49.80	54.00	-4.20	Average	400	229	P
4	5350.00	7.22	56.19	63.41	74.00	-10.59	Peak	400	229	P
5	10600.00	16.21	28.28	44.49	54.00	-9.51	Average	100	83	P
6	10600.00	16.21	41.40	57.61	74.00	-16.39	Peak	100	83	P
7	15900.00	18.86	28.66	47.52	54.00	-6.48	Average	100	151	P
8	15900.00	18.86	41.70	60.56	74.00	-13.44	Peak	100	151	P

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



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

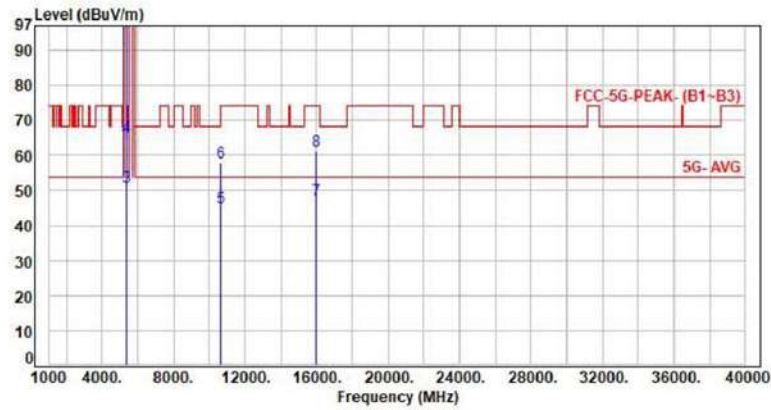


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	82.99	90.16	200.00	-109.84	Average	130	44	P
2	5300.00	7.17	94.86	102.03	200.00	-97.97	Peak	130	44	P
3	5350.00	7.22	42.41	49.63	54.00	-4.37	Average	130	44	P
4	5350.00	7.22	56.42	63.64	74.00	-10.36	Peak	130	44	P
5	10600.00	16.21	28.52	44.73	54.00	-9.27	Average	100	75	P
6	10600.00	16.21	42.00	58.29	74.00	-15.71	Peak	100	75	P
7	15900.00	18.86	28.78	47.64	54.00	-6.36	Average	100	56	P
8	15900.00	18.86	41.55	60.41	74.00	-13.59	Peak	100	56	P

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



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

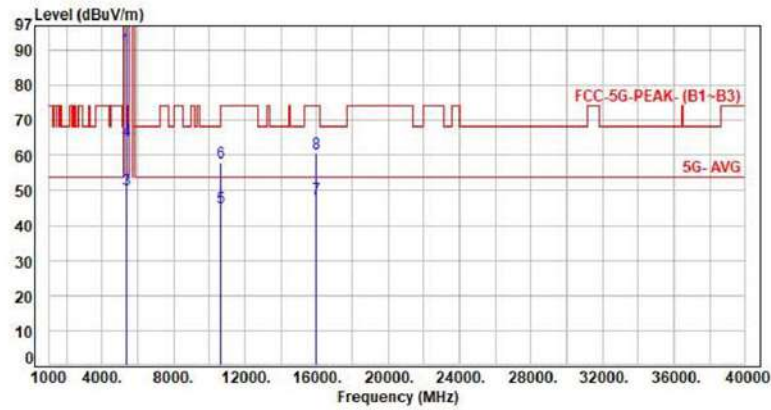


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	56.16	63.35	200.00	-136.65	Average	397	228	P
2	5320.00	7.19	97.83	105.02	200.00	-94.98	Peak	397	228	P
3	5350.00	7.22	43.73	50.95	54.00	-3.05	Average	397	228	P
4	5350.00	7.22	57.97	65.19	74.00	-8.81	Peak	397	228	P
5	10640.00	16.34	28.59	44.93	54.00	-9.07	Average	100	84	P
6	10640.00	16.34	41.59	57.93	74.00	-16.07	Peak	100	84	P
7	15960.00	18.89	28.29	47.18	54.00	-6.82	Average	100	149	P
8	15960.00	18.89	42.16	61.05	74.00	-12.95	Peak	100	149	P

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



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

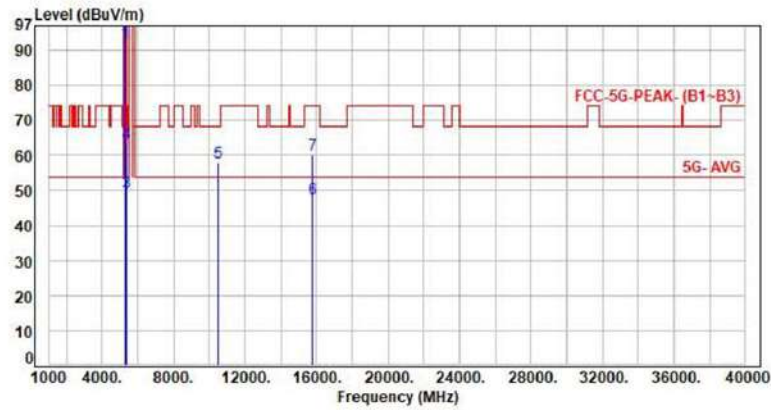


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	83.07	90.26	200.00	-109.74	Average	113	44	P
2	5320.00	7.19	94.03	101.22	200.00	-98.78	Peak	113	44	P
3	5350.00	7.22	42.96	50.18	54.00	-3.82	Average	113	44	P
4	5350.00	7.22	56.95	64.17	74.00	-9.83	Peak	113	44	P
5	10640.00	16.34	28.64	44.98	54.00	-9.02	Average	100	72	P
6	10640.00	16.34	41.66	58.00	74.00	-16.00	Peak	100	72	P
7	15960.00	18.89	28.74	47.63	54.00	-6.37	Average	100	53	P
8	15960.00	18.89	41.63	60.52	74.00	-13.48	Peak	100	53	P

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



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

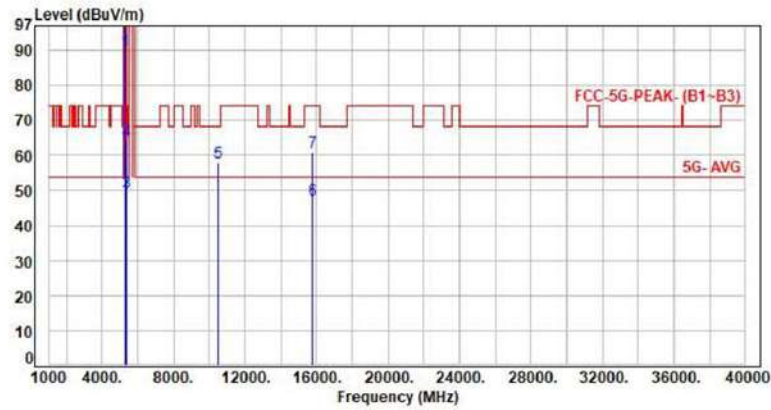


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	85.29	92.33	200.00	-107.67	Average	384	229	P
2	5260.00	7.04	95.99	103.03	200.00	-96.97	Peak	384	229	P
3	5350.00	7.22	42.31	49.53	54.00	-4.47	Average	384	229	P
4	5350.00	7.22	56.12	63.34	74.00	-10.66	Peak	384	229	P
5	10520.00	16.10	41.63	57.73	68.20	-10.47	Peak	100	84	P
6	15780.00	18.81	28.73	47.54	54.00	-6.46	Average	100	155	P
7	15780.00	18.81	41.38	60.19	74.00	-13.81	Peak	100	155	P

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



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

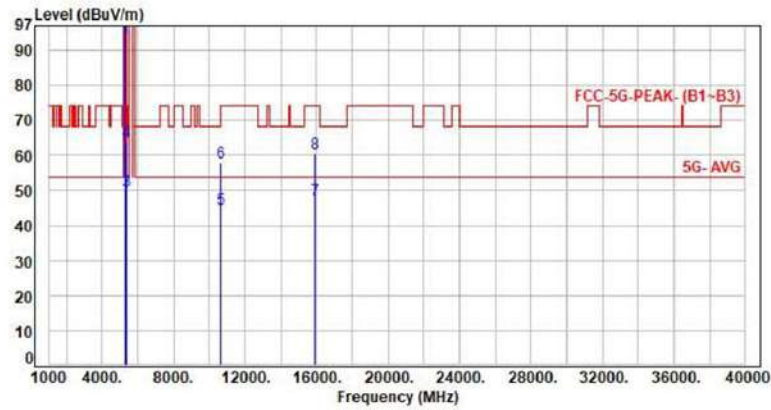


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5260.00	7.04	82.86	89.90	200.00	-110.10	Average	130	43	P
2	5260.00	7.04	93.01	100.05	200.00	-99.95	Peak	130	43	P
3	5350.00	7.22	42.25	49.47	54.00	-4.53	Average	130	43	P
4	5350.00	7.22	57.11	64.33	74.00	-9.67	Peak	130	43	P
5	10520.00	16.10	41.91	58.01	68.20	-10.19	Peak	100	72	P
6	15780.00	18.81	28.30	47.11	54.00	-6.89	Average	100	53	P
7	15780.00	18.81	42.11	60.92	74.00	-13.08	Peak	100	53	P

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



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

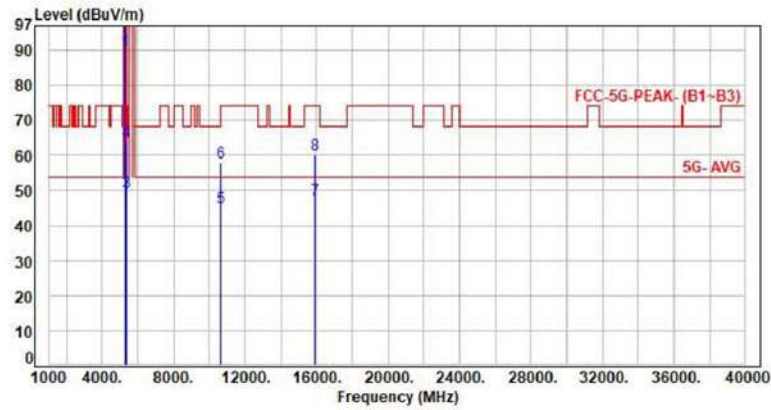


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	86.21	93.38	200.00	-106.62	Average	400	228	P
2	5300.00	7.17	96.82	103.99	200.00	-96.01	Peak	400	228	P
3	5350.00	7.22	42.66	49.88	54.00	-4.12	Average	400	228	P
4	5350.00	7.22	56.72	63.94	74.00	-10.06	Peak	400	228	P
5	10600.00	16.21	28.51	44.72	54.00	-9.28	Average	100	82	P
6	10600.00	16.21	41.84	58.05	74.00	-15.95	Peak	100	82	P
7	15900.00	18.86	28.28	47.14	54.00	-6.86	Average	100	149	P
8	15900.00	18.86	41.72	60.58	74.00	-13.42	Peak	100	149	P

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



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

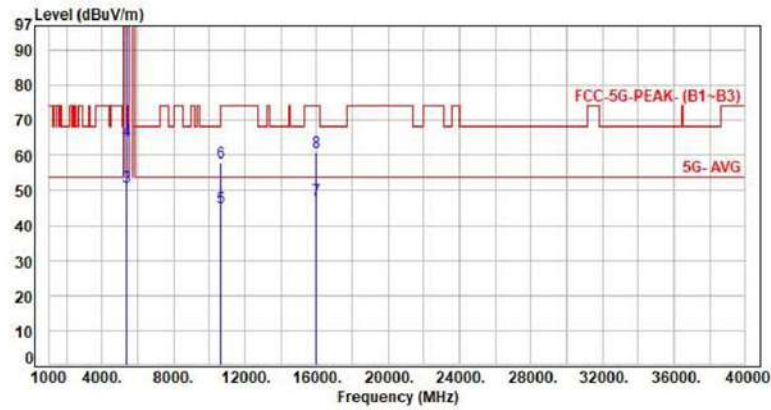


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5300.00	7.17	82.81	89.98	200.00	-110.02	Average	130	43	P
2	5300.00	7.17	93.62	100.79	200.00	-99.21	Peak	130	43	P
3	5350.00	7.22	42.21	49.43	54.00	-4.57	Average	130	43	P
4	5350.00	7.22	56.69	63.91	74.00	-10.09	Peak	130	43	P
5	10600.00	16.21	28.82	45.03	54.00	-8.97	Average	100	76	P
6	10650.00	16.21	41.58	57.79	74.00	-16.21	Peak	100	76	P
7	15900.00	18.86	28.39	47.25	54.00	-6.75	Average	100	58	P
8	15950.00	18.86	41.36	60.22	74.00	-13.78	Peak	100	58	P

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



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

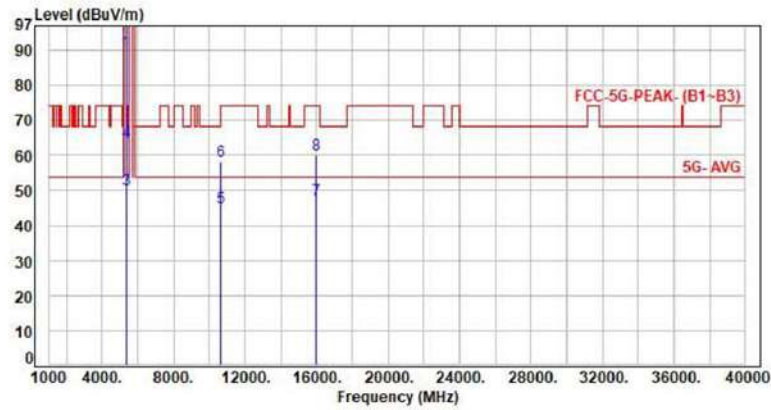


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	86.10	93.29	200.00	-106.71	Average	400	228	P
2	5320.00	7.19	96.65	103.84	200.00	-96.16	Peak	400	228	P
3	5350.00	7.22	43.73	50.95	54.00	-3.05	Average	400	228	P
4	5350.00	7.22	57.02	64.24	74.00	-9.76	Peak	400	228	P
5	10640.00	16.34	28.55	44.89	54.00	-9.11	Average	100	82	P
6	10640.00	16.34	41.74	58.08	74.00	-15.92	Peak	100	82	P
7	15960.00	18.89	28.46	47.35	54.00	-6.65	Average	100	153	P
8	15960.00	18.89	41.82	60.71	74.00	-13.29	Peak	100	153	P

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



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

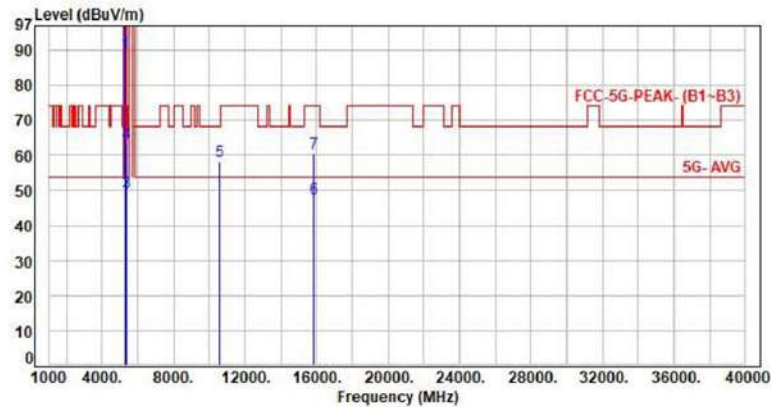


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5320.00	7.19	82.31	89.50	200.00	-110.50	Average	108	36	P
2	5320.00	7.19	92.35	99.54	200.00	-100.46	Peak	108	36	P
3	5350.00	7.22	42.89	50.11	54.00	-3.89	Average	108	36	P
4	5350.00	7.22	56.60	63.82	74.00	-10.18	Peak	108	36	P
5	10640.00	16.34	28.69	45.03	54.00	-8.97	Average	100	75	P
6	10640.00	16.34	42.02	58.36	74.00	-15.64	Peak	100	75	P
7	15960.00	18.89	28.35	47.24	54.00	-6.76	Average	100	55	P
8	15960.00	18.89	41.31	60.20	74.00	-13.80	Peak	100	55	P

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



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

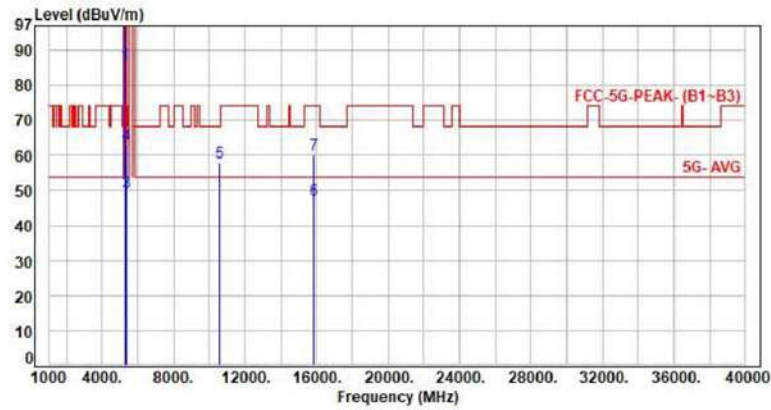


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	7.07	82.03	89.10	200.00	-110.90	Average	383	230	P
2	5270.00	7.07	93.42	100.49	200.00	-99.51	Peak	383	230	P
3	5350.00	7.22	42.31	49.53	54.00	-4.47	Average	383	230	P
4	5350.00	7.22	56.20	63.42	74.00	-10.58	Peak	383	230	P
5	10540.00	16.13	42.18	58.31	68.20	-9.89	Peak	100	84	P
6	15810.00	18.70	28.74	47.44	54.00	-6.56	Average	100	158	P
7	15810.00	18.70	41.94	60.64	74.00	-13.36	Peak	100	158	P

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



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

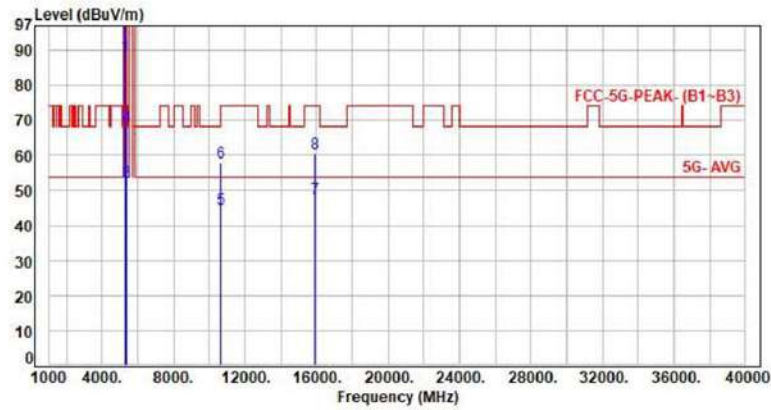


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5270.00	7.07	79.03	86.10	200.00	-113.90	Average	122	42	P
2	5270.00	7.07	90.20	97.27	200.00	-102.73	Peak	122	42	P
3	5350.00	7.22	42.26	49.48	54.00	-4.52	Average	122	42	P
4	5350.00	7.22	55.97	63.19	74.00	-10.81	Peak	122	42	P
5	10540.00	16.13	41.94	58.07	68.20	-10.13	Peak	100	76	P
6	15810.00	18.70	28.53	47.23	54.00	-6.77	Average	100	53	P
7	15810.00	18.70	41.60	60.30	74.00	-13.70	Peak	100	53	P

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



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

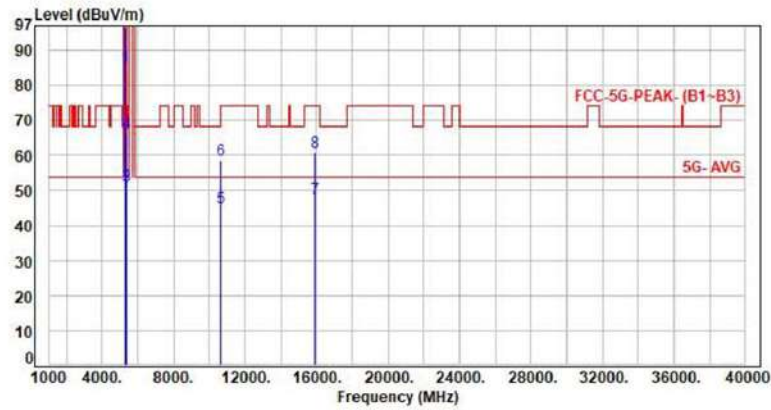


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	7.18	81.25	88.43	200.00	-111.57	Average	400	228	P
2	5310.00	7.18	93.08	100.26	200.00	-99.74	Peak	400	228	P
3	5350.00	7.22	45.08	52.30	54.00	-1.70	Average	400	228	P
4	5350.00	7.22	61.19	68.41	74.00	-5.59	Peak	400	228	P
5	10620.00	16.28	28.45	44.73	54.00	-9.27	Average	100	84	P
6	10620.00	16.28	41.48	57.76	74.00	-16.24	Peak	100	84	P
7	15930.00	18.85	28.90	47.75	54.00	-6.25	Average	100	148	P
8	15930.00	18.85	41.65	60.50	74.00	-13.50	Peak	100	148	P

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



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

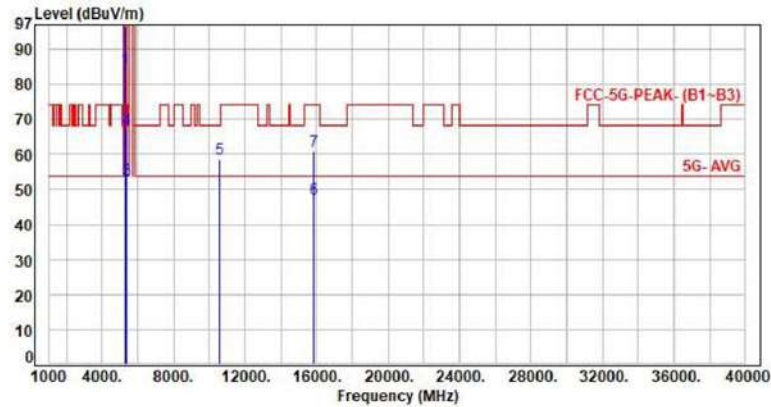


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5310.00	7.18	77.94	85.12	200.00	-114.88	Average	113	44	P
2	5310.00	7.18	89.51	96.69	200.00	-103.31	Peak	113	44	P
3	5350.00	7.22	43.94	51.16	54.00	-2.84	Average	113	44	P
4	5350.00	7.22	59.21	66.43	74.00	-7.57	Peak	113	44	P
5	10620.00	16.28	28.68	44.96	54.00	-9.04	Average	100	70	P
6	10620.00	16.28	42.37	58.65	74.00	-15.35	Peak	100	70	P
7	15930.00	18.85	28.58	47.43	54.00	-6.57	Average	100	54	P
8	15930.00	18.85	41.96	60.81	74.00	-13.19	Peak	100	54	P

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



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

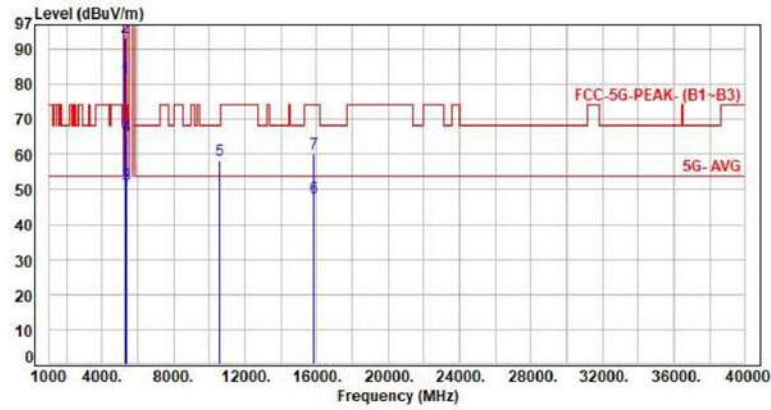


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	7.13	77.50	84.63	200.00	-115.37	Average	400	229	P
2	5290.00	7.13	89.34	96.47	200.00	-103.53	Peak	400	229	P
3	5350.00	7.22	45.43	52.65	54.00	-1.35	Average	400	229	P
4	5350.00	7.22	59.90	67.12	74.00	-6.88	Peak	400	229	P
5	10580.00	16.18	42.28	58.46	68.20	-9.74	Peak	100	86	P
6	15870.00	18.81	28.22	47.03	54.00	-6.97	Average	100	156	P
7	15870.00	18.81	42.06	60.87	74.00	-13.13	Peak	100	156	P

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



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

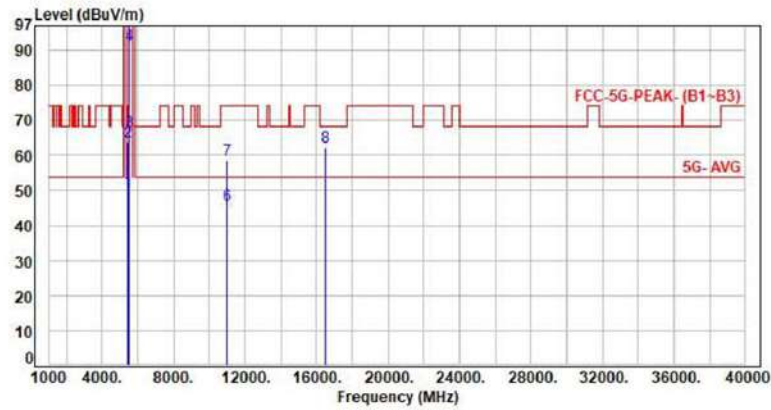


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5290.00	7.13	74.27	81.40	200.00	-118.60	Average	110	42	P
2	5290.00	7.13	86.01	93.14	200.00	-106.86	Peak	110	42	P
3	5350.00	7.22	43.97	51.19	54.00	-2.81	Average	110	42	P
4	5350.00	7.22	58.13	65.35	74.00	-8.65	Peak	110	42	P
5	10580.00	16.18	41.92	58.10	68.20	-10.10	Peak	100	76	P
6	15870.00	18.81	28.62	47.43	54.00	-6.57	Average	100	50	P
7	15870.00	18.81	41.36	60.17	74.00	-13.83	Peak	100	50	P

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



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

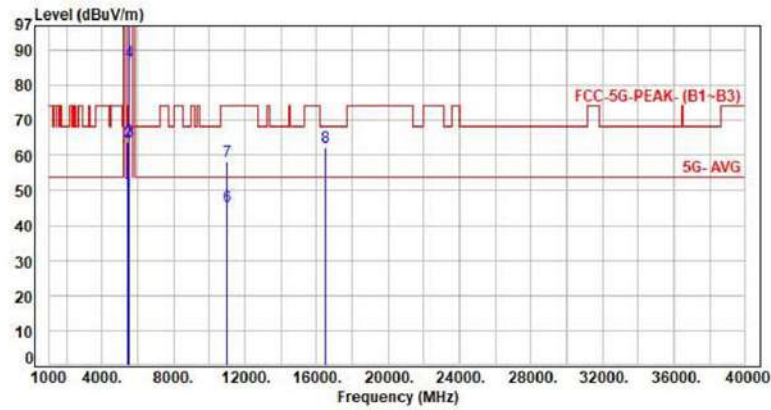


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.42	49.87	54.00	-4.13	Average	371	210	P
2	5460.00	7.45	56.35	63.80	74.00	-10.20	Peak	371	210	P
3	5470.00	7.46	59.34	66.80	68.20	-1.40	Peak	371	210	P
4	5500.00	7.49	84.11	91.60	200.00	-108.40	Average	371	210	P
5	5500.00	7.49	95.56	103.05	200.00	-96.95	Peak	371	210	P
6	11000.00	16.93	28.73	45.66	54.00	-8.34	Average	100	82	P
7	11000.00	16.93	41.88	58.81	74.00	-15.19	Peak	100	82	P
8	16500.00	19.97	42.38	62.35	68.20	-5.85	Peak	100	151	P

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



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

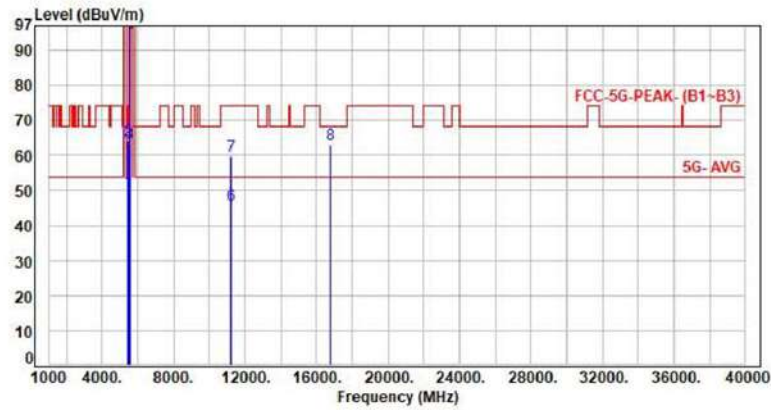


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.29	49.74	54.00	-4.26	Average	118	47	P
2	5460.00	7.45	56.28	63.73	74.00	-10.27	Peak	118	47	P
3	5470.00	7.46	56.81	64.27	68.20	-3.93	Peak	118	47	P
4	5500.00	7.49	79.03	86.52	200.00	-113.48	Average	118	47	P
5	5500.00	7.49	90.71	98.20	200.00	-101.80	Peak	118	47	P
6	11000.00	16.93	28.48	45.41	54.00	-8.59	Average	100	77	P
7	11000.00	16.93	41.38	58.31	74.00	-15.69	Peak	100	77	P
8	16500.00	19.97	42.46	62.43	68.20	-5.77	Peak	100	59	P

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



Test Mode : 1TX 11a CH120 6Mbps
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Vertical

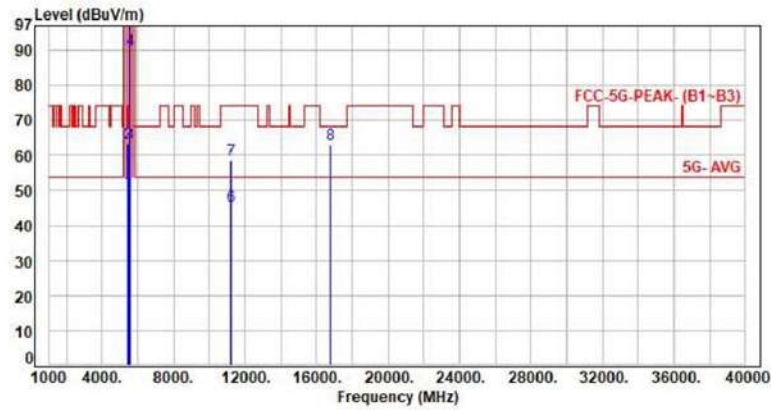


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.24	49.69	54.00	-4.31	Average	341	213	P
2	5460.00	7.45	56.84	64.29	74.00	-9.71	Peak	341	213	P
3	5470.00	7.46	55.98	63.44	68.20	-4.76	Peak	341	213	P
4	5600.00	7.43	87.34	94.77	200.00	-105.23	Average	341	213	P
5	5600.00	7.43	98.71	106.14	200.00	-93.86	Peak	341	213	P
6	11200.00	17.16	28.63	45.79	54.00	-8.21	Average	100	81	P
7	11200.00	17.16	42.59	59.75	74.00	-14.25	Peak	100	81	P
8	16800.00	21.82	41.33	63.15	68.20	-5.05	Peak	100	151	P

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



Test Mode : 1TX 11a CH120 6Mbps
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Horizontal

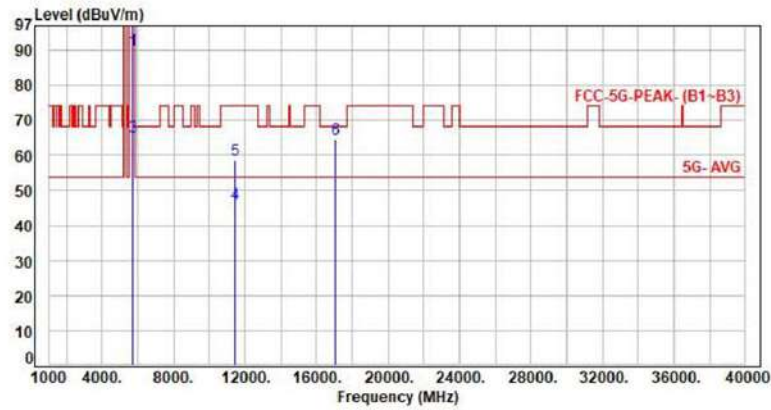


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.24	49.69	54.00	-4.31	Average	400	190	P
2	5460.00	7.45	56.07	63.52	74.00	-10.48	Peak	400	190	P
3	5470.00	7.46	56.11	63.57	68.20	-4.63	Peak	400	190	P
4	5600.00	7.43	82.49	89.92	200.00	-110.08	Average	400	190	P
5	5600.00	7.43	93.49	100.92	200.00	-99.08	Peak	400	190	P
6	11200.00	17.16	28.16	45.32	54.00	-8.68	Average	100	76	P
7	11200.00	17.16	41.66	58.82	74.00	-15.18	Peak	100	76	P
8	16800.00	21.82	41.38	63.20	68.20	-5.00	Peak	100	49	P

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



Test Mode : 1TX 11a CH140 6Mbps
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Vertical

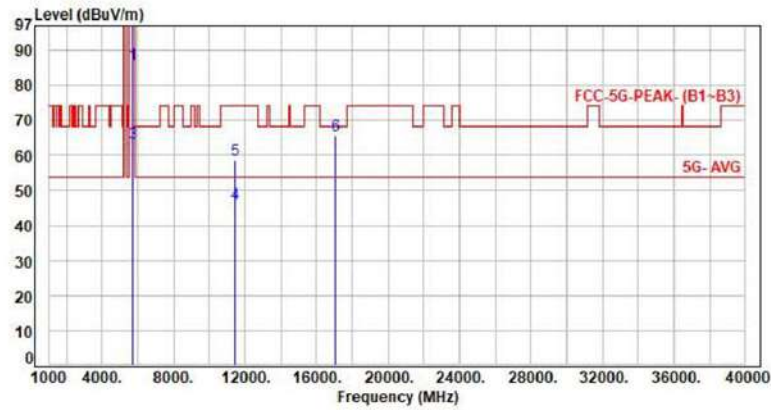


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	82.74	90.11	200.00	-109.89	Average	319	207	P
2	5700.00	7.37	94.50	101.87	200.00	-98.13	Peak	319	207	P
3	5725.00	7.33	57.83	65.16	68.20	-3.04	Peak	319	207	P
4	11400.00	17.40	28.57	45.97	54.00	-8.03	Average	100	84	P
5	11400.00	17.40	41.40	58.80	74.00	-15.20	Peak	100	84	P
6	17100.00	23.32	41.33	64.65	68.20	-3.55	Peak	100	149	P

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



Test Mode : 1TX 11a CH140 6Mbps
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Horizontal

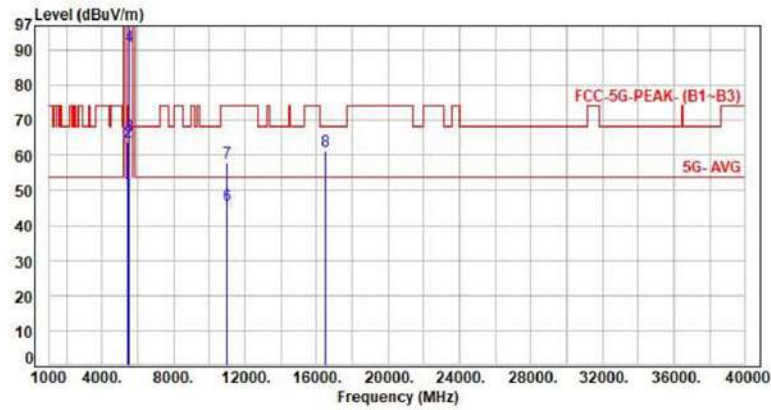


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	78.65	86.02	200.00	-113.98	Average	132	195	P
2	5700.00	7.37	89.87	97.24	200.00	-102.76	Peak	132	195	P
3	5725.00	7.33	55.97	63.30	68.20	-4.90	Peak	132	195	P
4	11400.00	17.40	28.57	45.97	54.00	-8.03	Average	100	74	P
5	11400.00	17.40	41.38	58.78	74.00	-15.22	Peak	100	74	P
6	17100.00	23.32	42.29	65.61	68.20	-2.59	Peak	100	53	P

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



Test Mode : 1TX 11ac20 CH100 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Vertical

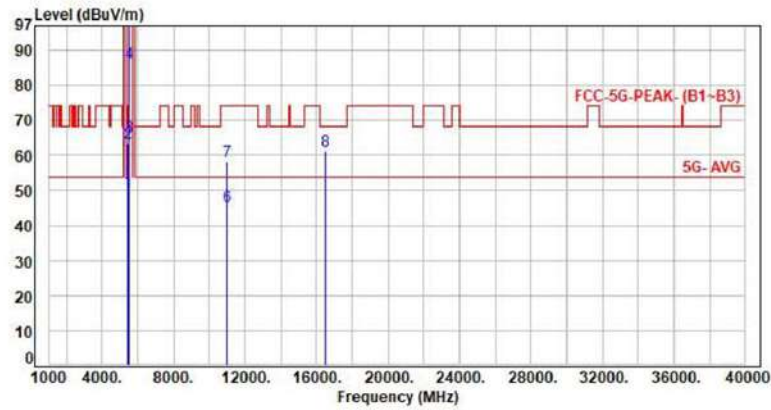


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.45	49.90	54.00	-4.10	Average	267	195	P
2	5460.00	7.45	56.36	63.81	74.00	-10.19	Peak	267	195	P
3	5470.00	7.46	58.08	65.54	68.20	-2.66	Peak	267	195	P
4	5500.00	7.49	83.58	91.07	200.00	-108.93	Average	267	195	P
5	5500.00	7.49	94.34	101.83	200.00	-98.17	Peak	267	195	P
6	11000.00	16.93	28.75	45.68	54.00	-8.32	Average	100	86	P
7	11000.00	16.93	40.85	57.78	74.00	-16.22	Peak	100	86	P
8	16500.00	19.97	41.20	61.17	68.20	-7.03	Peak	100	153	P

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



Test Mode : 1TX 11ac20 CH100 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Horizontal

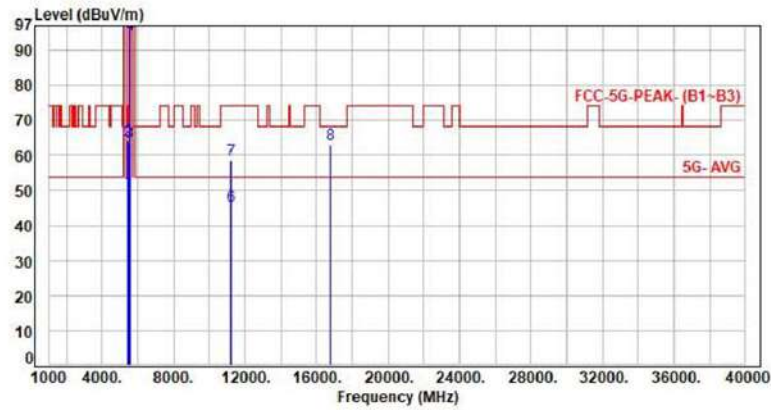


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.28	49.73	54.00	-4.27	Average	400	192	P
2	5460.00	7.45	56.13	63.58	74.00	-10.42	Peak	400	192	P
3	5470.00	7.46	57.80	65.26	68.20	-2.94	Peak	400	192	P
4	5500.00	7.49	78.92	86.41	200.00	-113.59	Average	400	192	P
5	5500.00	7.49	89.59	97.08	200.00	-102.92	Peak	400	192	P
6	11000.00	16.93	28.34	45.27	54.00	-8.73	Average	100	79	P
7	11000.00	16.93	41.50	58.43	74.00	-15.57	Peak	100	79	P
8	16500.00	19.97	41.07	61.04	68.20	-7.16	Peak	100	55	P

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



Test Mode : 1TX 11ac20 CH120 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Vertical

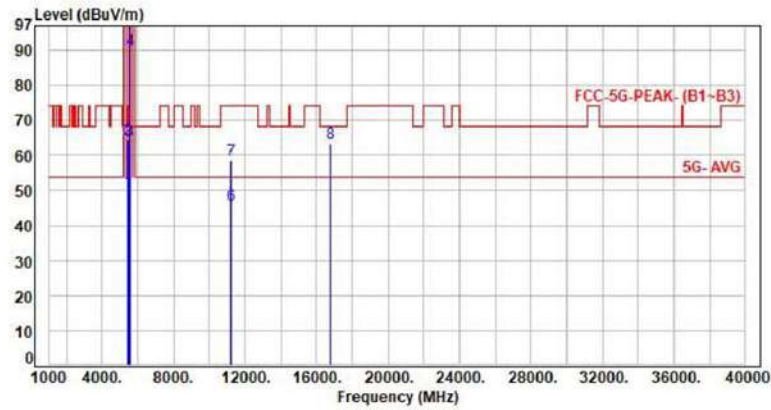


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.24	49.69	54.00	-4.31	Average	296	190	P
2	5460.00	7.45	56.63	64.08	74.00	-9.92	Peak	296	190	P
3	5470.00	7.46	56.44	63.90	68.20	-4.30	Peak	296	190	P
4	5600.00	7.43	86.96	94.39	200.00	-105.61	Average	296	190	P
5	5600.00	7.43	97.65	105.08	200.00	-94.92	Peak	296	190	P
6	11200.00	17.16	28.39	45.55	54.00	-8.45	Average	100	83	P
7	11200.00	17.16	41.61	58.77	74.00	-15.23	Peak	100	83	P
8	16800.00	21.82	41.41	63.23	68.20	-4.97	Peak	100	157	P

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



Test Mode : 1TX 11ac20 CH120 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Horizontal

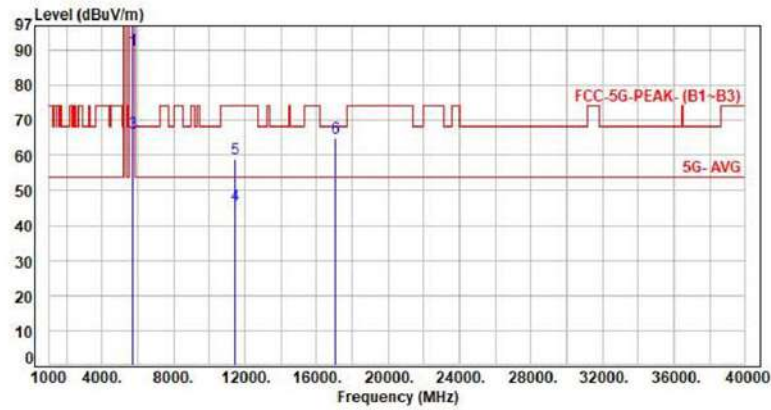


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	42.23	49.68	54.00	-4.32	Average	400	193	P
2	5460.00	7.45	57.11	64.56	74.00	-9.44	Peak	400	193	P
3	5470.00	7.46	56.71	64.17	68.20	-4.03	Peak	400	193	P
4	5600.00	7.43	82.40	89.83	200.00	-110.17	Average	400	193	P
5	5600.00	7.43	92.94	100.37	200.00	-99.63	Peak	400	193	P
6	11200.00	17.16	28.58	45.74	54.00	-8.26	Average	100	77	P
7	11200.00	17.16	41.53	58.69	74.00	-15.31	Peak	100	77	P
8	16800.00	21.82	41.72	63.54	68.20	-4.66	Peak	100	56	P

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



Test Mode : 1TX 11ac20 CH140 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Vertical

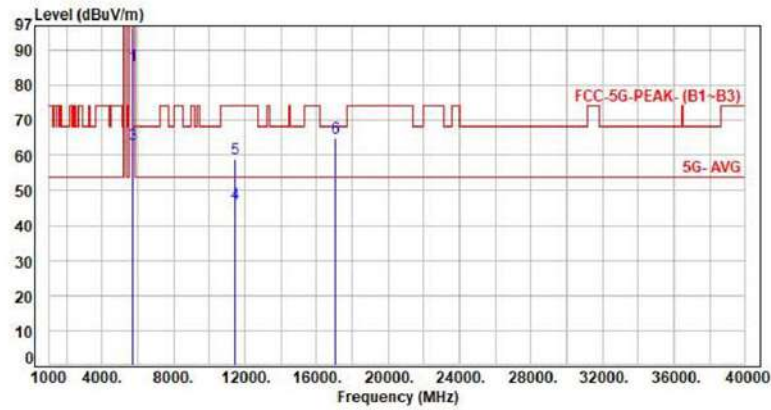


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	82.66	90.03	200.00	-109.97	Average	324	207	P
2	5700.00	7.37	93.27	100.64	200.00	-99.36	Peak	324	207	P
3	5725.00	7.33	59.19	66.52	68.20	-1.68	Peak	324	207	P
4	11400.00	17.40	28.33	45.73	54.00	-8.27	Average	100	85	P
5	11400.00	17.40	41.68	59.08	74.00	-14.92	Peak	100	85	P
6	17100.00	23.32	41.48	64.80	68.20	-3.40	Peak	100	152	P

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



Test Mode : 1TX 11ac20 CH140 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Horizontal

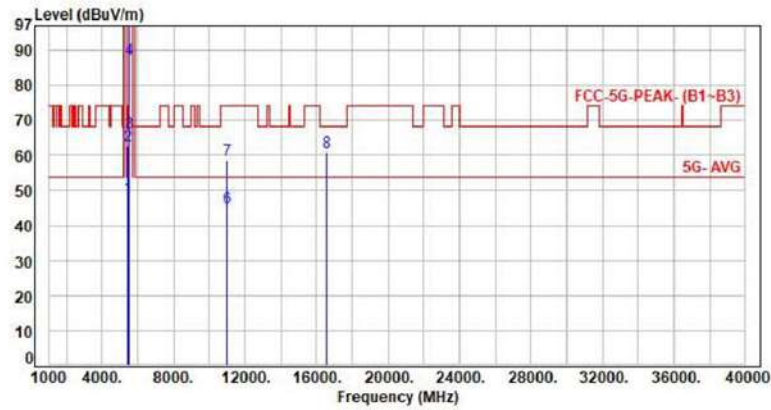


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5700.00	7.37	78.13	85.50	200.00	-114.50	Average	148	191	P
2	5700.00	7.37	88.60	95.97	200.00	-104.03	Peak	148	191	P
3	5725.00	7.33	55.69	63.02	68.20	-5.18	Peak	148	191	P
4	11400.00	17.40	28.54	45.94	54.00	-8.06	Average	100	73	P
5	11400.00	17.40	41.47	58.87	74.00	-15.13	Peak	100	73	P
6	17100.00	23.32	41.55	64.87	68.20	-3.33	Peak	100	53	P

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



Test Mode : 1TX 11ac40 CH102 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Vertical

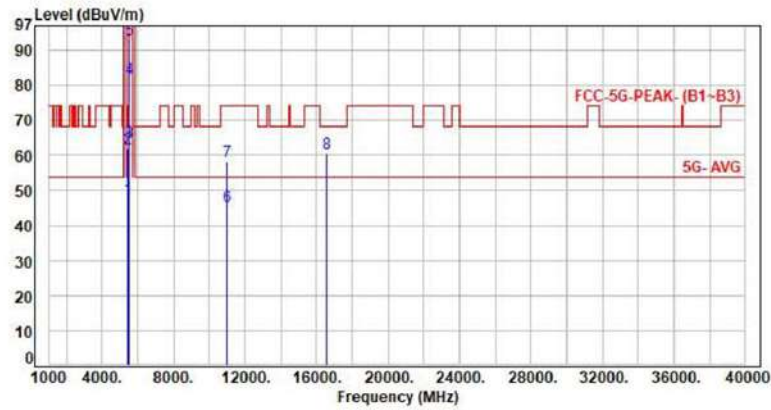


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	40.63	48.08	54.00	-5.92	Average	395	216	P
2	5460.00	7.45	55.23	62.68	74.00	-11.32	Peak	395	216	P
3	5470.00	7.46	59.06	66.52	68.20	-1.68	Peak	395	216	P
4	5510.00	7.47	79.93	87.40	200.00	-112.60	Average	395	216	P
5	5510.00	7.47	90.98	98.45	200.00	-101.55	Peak	395	216	P
6	11020.00	16.90	28.05	44.95	54.00	-9.05	Average	100	78	P
7	11020.00	16.90	41.81	58.71	74.00	-15.29	Peak	100	78	P
8	16530.00	20.09	40.82	60.91	68.20	-7.29	Peak	100	149	P

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



Test Mode : 1TX 11ac40 CH102 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Horizontal

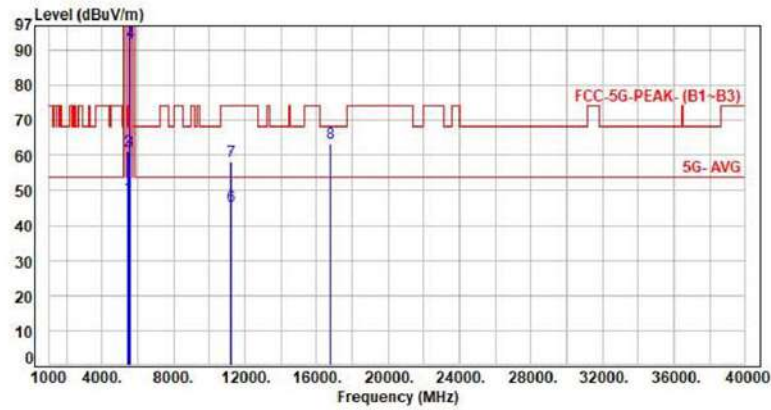


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	40.22	47.67	54.00	-6.33	Average	374	46	P
2	5460.00	7.45	54.36	61.81	74.00	-12.19	Peak	374	46	P
3	5470.00	7.46	56.36	63.82	68.20	-4.38	Peak	374	46	P
4	5510.00	7.47	74.30	81.77	200.00	-118.23	Average	374	46	P
5	5510.00	7.47	85.32	92.79	200.00	-107.21	Peak	374	46	P
6	11020.00	16.90	28.42	45.32	54.00	-8.68	Average	100	72	P
7	11020.00	16.90	41.31	58.21	74.00	-15.79	Peak	100	72	P
8	16530.00	20.09	40.50	60.59	68.20	-7.61	Peak	100	56	P

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



Test Mode : 1TX 11ac40 CH118 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Vertical

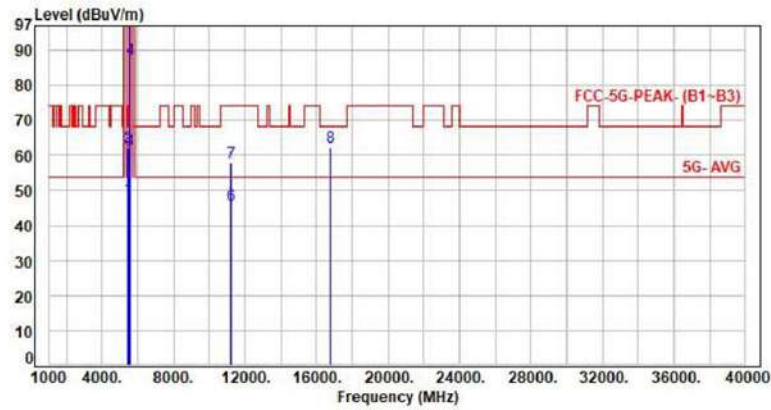


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	40.33	47.78	54.00	-6.22	Average	400	216	P
2	5460.00	7.45	53.64	61.09	74.00	-12.91	Peak	400	216	P
3	5470.00	7.46	53.93	61.39	68.20	-6.81	Peak	400	216	P
4	5590.00	7.43	84.64	92.07	200.00	-107.93	Average	400	216	P
5	5590.00	7.43	95.26	102.69	200.00	-97.31	Peak	400	216	P
6	11180.00	17.15	28.37	45.52	54.00	-8.48	Average	100	88	P
7	11180.00	17.15	41.07	58.22	74.00	-15.78	Peak	100	88	P
8	16770.00	21.77	41.54	63.31	68.20	-4.89	Peak	100	153	P

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



Test Mode : 1TX 11ac40 CH118 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Horizontal

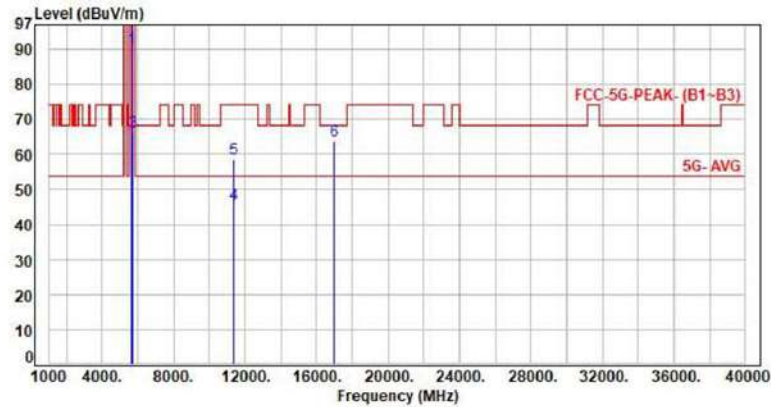


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5460.00	7.45	40.13	47.58	54.00	-6.42	Average	395	197	P
2	5460.00	7.45	54.95	62.40	74.00	-11.60	Peak	395	197	P
3	5470.00	7.46	54.04	61.50	68.20	-6.70	Peak	395	197	P
4	5590.00	7.43	79.88	87.31	200.00	-112.69	Average	395	197	P
5	5590.00	7.43	91.13	98.56	200.00	-101.44	Peak	395	197	P
6	11180.00	17.15	28.66	45.81	54.00	-8.19	Average	100	72	P
7	11180.00	17.15	40.86	58.01	74.00	-15.99	Peak	100	72	P
8	16770.00	21.77	40.64	62.41	68.20	-5.79	Peak	100	60	P

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



Test Mode : 1TX 11ac40 CH134 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/60Hz)
Pol : Vertical

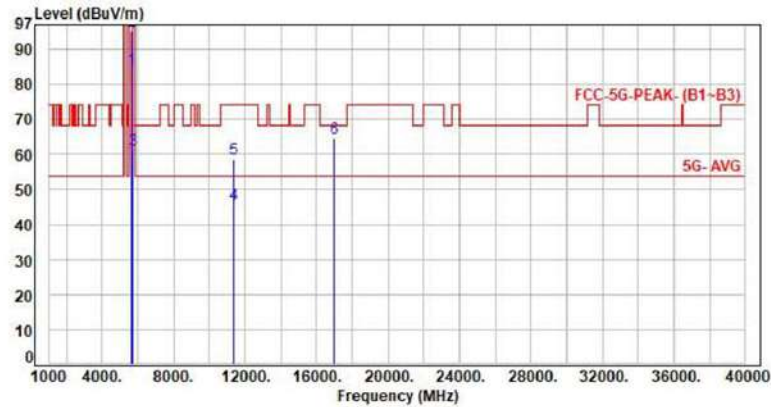


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	5670.00	7.36	82.86	90.22	200.00	-109.78	Average	365	203	P
2	5670.00	7.36	94.15	101.51	200.00	-98.49	Peak	365	203	P
3	5725.00	7.33	59.07	66.40	68.20	-1.80	Peak	365	203	P
4	11340.00	17.26	28.30	45.56	54.00	-8.44	Average	100	82	P
5	11340.00	17.26	41.38	58.64	74.00	-15.36	Peak	100	82	P
6	17010.00	23.21	40.74	63.95	68.20	-4.25	Peak	100	155	P

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



Test Mode : 1TX 11ac40 CH134 NSS1 MCS0
Voltage : From PoE(PoE AC 120V/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	5670.00	7.36	77.17	84.53	200.00	-115.47	Average	400	195	P
2	5670.00	7.36	87.95	95.31	200.00	-104.69	Peak	400	195	P
3	5725.00	7.33	53.92	61.25	68.20	-6.95	Peak	400	195	P
4	11340.00	17.26	28.59	45.85	54.00	-8.15	Average	100	75	P
5	11340.00	17.26	41.35	58.61	74.00	-15.39	Peak	100	75	P
6	17010.00	23.21	41.27	64.48	68.20	-3.72	Peak	100	58	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor