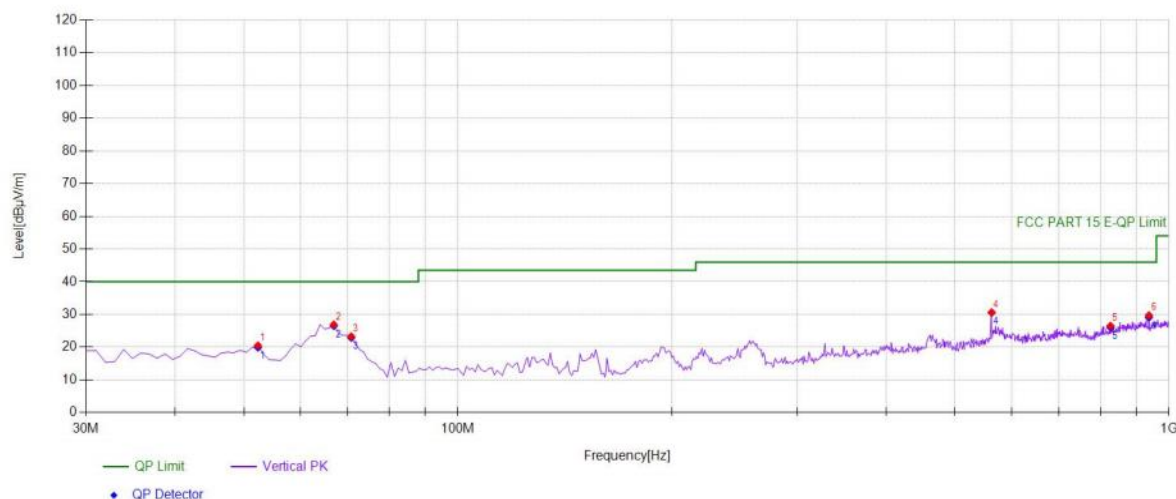


Test mode: 802.11n(20) Frequency(MHz): 5200

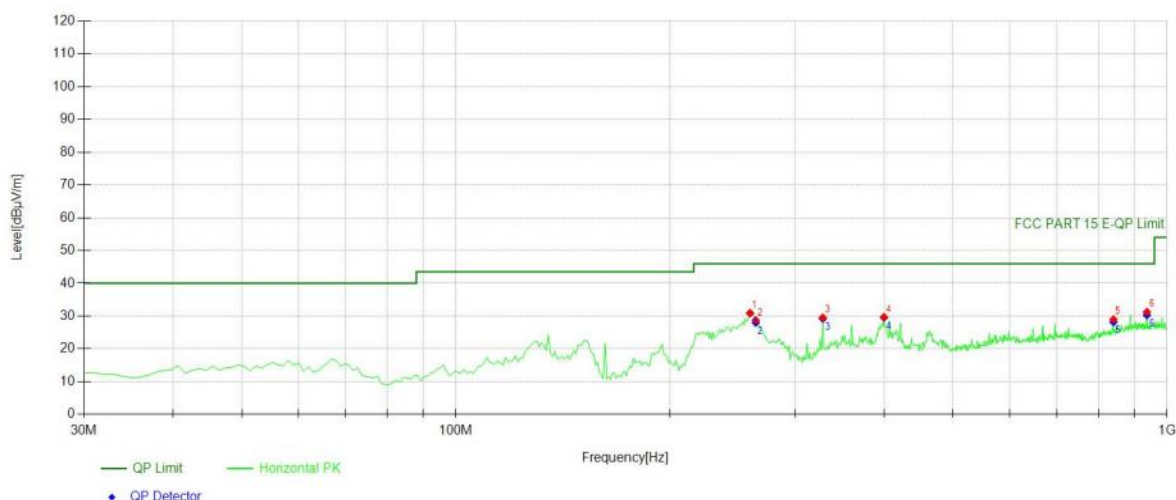


## Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	52.3323	36.86	-16.34	20.52	PK	40.00	19.48	Vertical
2	66.8969	45.26	-18.34	26.92	PK	40.00	13.08	Vertical
3	70.7808	42.19	-18.88	23.31	PK	40.00	16.69	Vertical
4	563.063	38.77	-8.17	30.60	PK	46.00	15.40	Vertical
5	827.167	31.15	-4.62	26.53	PK	46.00	19.47	Vertical
6	936.886	32.83	-3.09	29.74	PK	46.00	16.26	Vertical

## Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	52.3323	-16.34	19.93	40.00	20.07
2	66.8969	-18.34	26.53	40.00	13.47
3	70.7808	-18.88	22.92	40.00	17.08
4	563.0631	-8.17	30.57	46.00	15.43
5	827.1672	-4.62	26.05	46.00	19.95
6	936.8869	-3.09	29.10	46.00	16.90



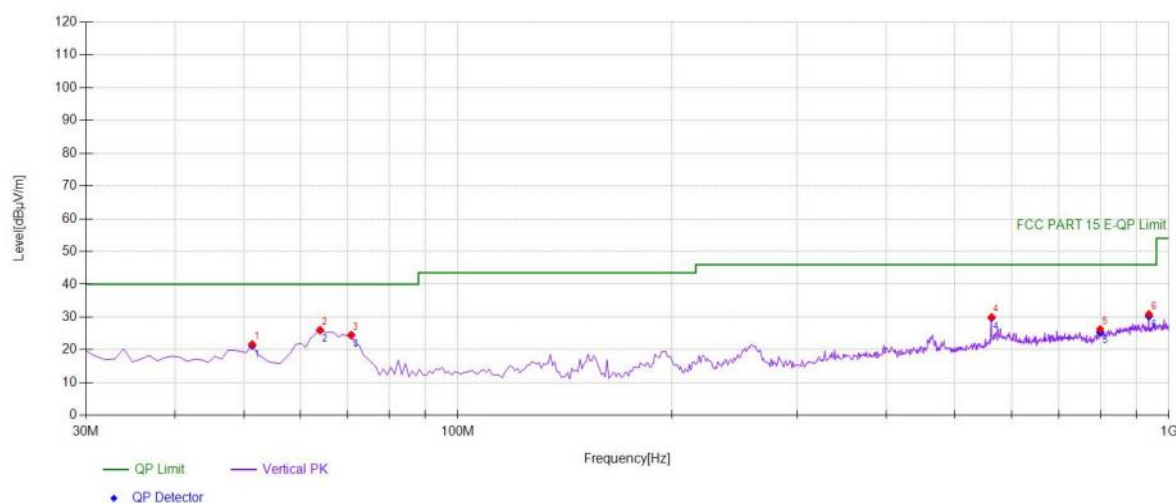
## Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	259.149	46.63	-15.69	30.94	PK	46.00	15.06	Horizontal
2	264.004	44.25	-15.53	28.72	PK	46.00	17.28	Horizontal
3	328.088	42.59	-13.04	29.55	PK	46.00	16.45	Horizontal
4	399.939	40.91	-11.20	29.71	PK	46.00	16.29	Horizontal
5	840.760	33.32	-4.33	28.99	PK	46.00	17.01	Horizontal
6	936.886	34.36	-3.09	31.27	PK	46.00	14.73	Horizontal

## Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	259.1491	-15.69	30.87	46.00	15.13
2	264.004	-15.53	28.01	46.00	17.99
3	328.0881	-13.04	29.19	46.00	16.81
4	399.9399	-11.20	29.55	46.00	16.45
5	840.7608	-4.33	28.19	46.00	17.81
6	936.8869	-3.09	30.30	46.00	15.70

Test mode: 802.11n(20) Frequency(MHz): 5240

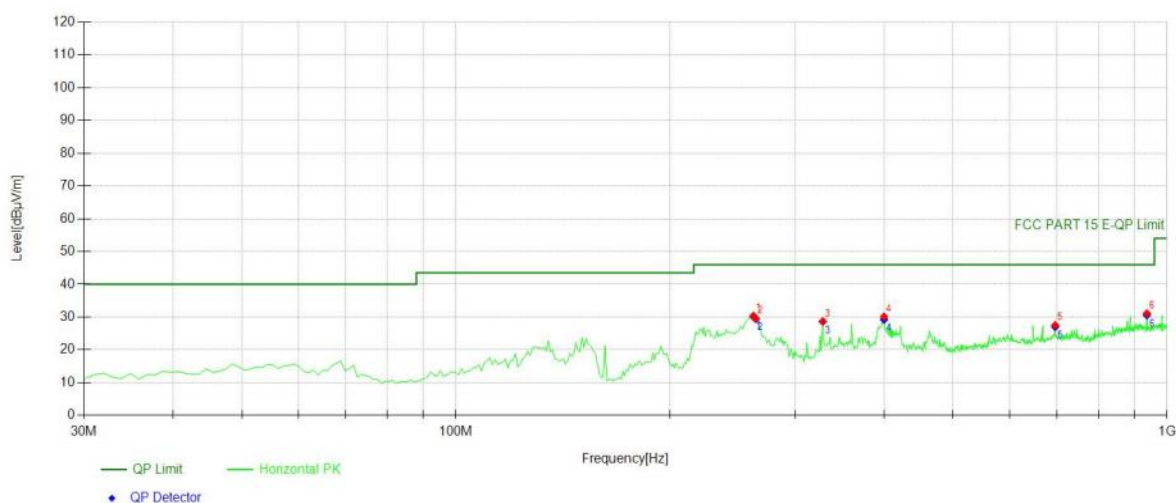


#### Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	51.3614	37.91	-16.21	21.70	PK	40.00	18.30	Vertical
2	63.984	43.98	-17.94	26.04	PK	40.00	13.96	Vertical
3	70.7808	43.42	-18.88	24.54	PK	40.00	15.46	Vertical
4	563.063	38.18	-8.17	30.01	PK	46.00	15.99	Vertical
5	799.98	31.41	-5.11	26.30	PK	46.00	19.70	Vertical
6	936.886	33.99	-3.09	30.90	PK	46.00	15.10	Vertical

#### Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	51.3614	-16.21	21.29	40.00	18.71
2	63.984	-17.94	25.98	40.00	14.02
3	70.7808	-18.88	24.48	40.00	15.52
4	563.0631	-8.17	29.79	46.00	16.21
5	799.98	-5.11	25.44	46.00	20.56
6	936.8869	-3.09	30.24	46.00	15.76



## Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	262.062	46.00	-15.60	30.40	PK	46.00	15.60	Horizontal
2	264.004	45.10	-15.53	29.57	PK	46.00	16.43	Horizontal
3	328.088	41.74	-13.04	28.70	PK	46.00	17.30	Horizontal
4	399.939	41.34	-11.20	30.14	PK	46.00	15.86	Horizontal
5	696.086	33.57	-6.05	27.52	PK	46.00	18.48	Horizontal
6	936.886	34.21	-3.09	31.12	PK	46.00	14.88	Horizontal

## Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	262.0621	-15.60	30.12	46.00	15.88
2	264.004	-15.53	29.48	46.00	16.52
3	328.0881	-13.04	28.61	46.00	17.39
4	399.9399	-11.20	29.25	46.00	16.75
5	696.0861	-6.05	26.99	46.00	19.01
6	936.8869	-3.09	30.59	46.00	15.41

## 8.5 POWER LINE CONDUCTED EMISSIONS

### 8.5.1 Applicable Standard

According to FCC Part 15.207(a)

### 8.5.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 8.5.3 Test Configuration

Test according to clause 6.3 conducted emission test setup

### 8.5.4 Test Procedure

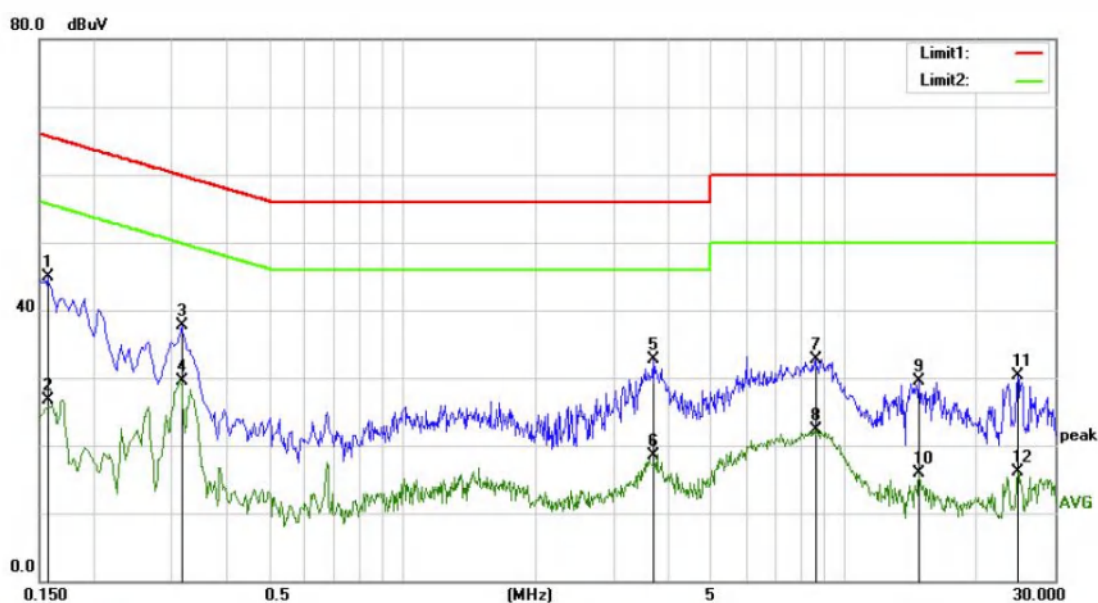
The EUT was placed on a table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Repeat above procedures until all frequency measured were complete.

### 8.5.5 Test Results

**PASS**



Site Conduction #1

Phase: **N**

Temperature: 23.3

Limit: (CE)FCC PART 15 class B\_QP

Power: AC 120V/60Hz

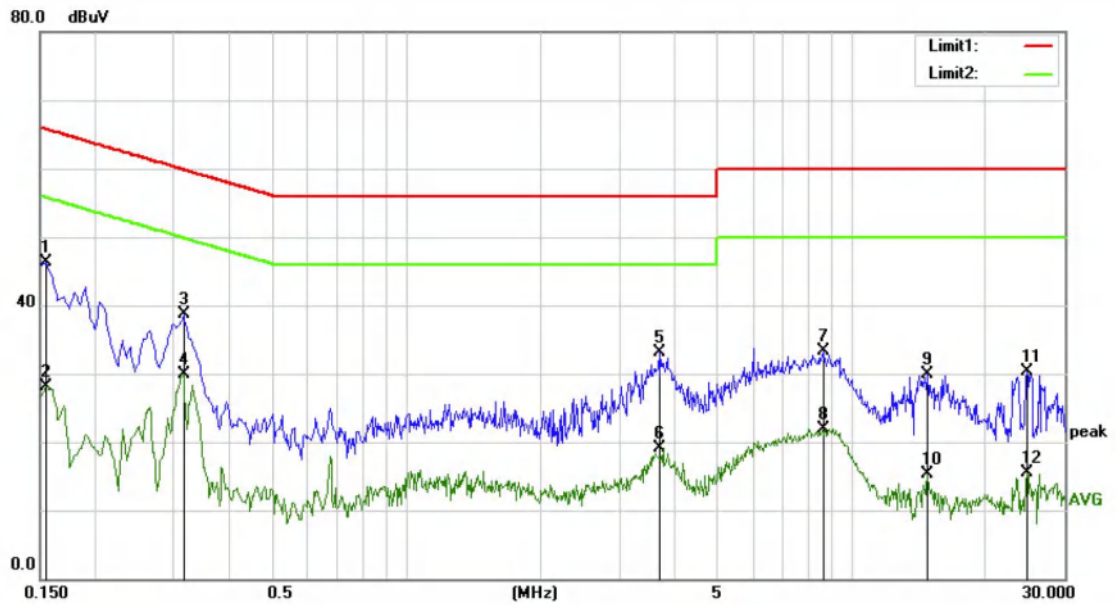
Humidity: 47 %

Mode: WiFi mode

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1564	34.79	10.02	44.81	65.65	-20.84	QP	
2		0.1564	16.77	10.02	26.79	55.65	-28.86	AVG	
3		0.3150	27.64	10.03	37.67	59.84	-22.17	QP	
4	*	0.3150	19.54	10.03	29.57	49.84	-20.27	AVG	
5		3.6850	22.69	9.97	32.66	56.00	-23.34	QP	
6		3.6850	8.63	9.97	18.60	46.00	-27.40	AVG	
7		8.6050	22.63	10.09	32.72	60.00	-27.28	QP	
8		8.6050	12.23	10.09	22.32	50.00	-27.68	AVG	
9		14.7610	19.16	10.29	29.45	60.00	-30.55	QP	
10		14.7610	5.55	10.29	15.84	50.00	-34.16	AVG	
11		24.6970	19.81	10.55	30.36	60.00	-29.64	QP	
12		24.6970	5.54	10.55	16.09	50.00	-33.91	AVG	





Site Conduction #1

Phase: **L1**

Temperature: 23.3

Limit: (CE)FCC PART 15 class B\_QP

Power: AC 120V/60Hz

Humidity: 47 %

Mode: WiFi mode

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1550	36.22	10.02	46.24	65.73	-19.49	QP	
2		0.1550	18.11	10.02	28.13	55.73	-27.60	AVG	
3		0.3150	28.64	10.03	38.67	59.84	-21.17	QP	
4		0.3150	19.79	10.03	29.82	49.84	-20.02	AVG	
5		3.6850	23.19	9.97	33.16	56.00	-22.84	QP	
6		3.6850	9.13	9.97	19.10	46.00	-26.90	AVG	
7		8.6050	23.13	10.09	33.22	60.00	-26.78	QP	
8		8.6050	11.89	10.09	21.98	50.00	-28.02	AVG	
9		14.7610	19.66	10.29	29.95	60.00	-30.05	QP	
10		14.7610	5.05	10.29	15.34	50.00	-34.66	AVG	
11		24.6970	19.81	10.55	30.36	60.00	-29.64	QP	
12		24.6970	5.04	10.55	15.59	50.00	-34.41	AVG	

## 8.6 ANTENNA APPLICATION

### 8.6.1 Antenna Requirement

Standard	Requirement
FCC CRF Part 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

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.

### 8.6.2 Result

PASS.

The EUT has antennas: an FPC Antenna for WIFI 5G, the antenna1 gain is 3.82 dBi;

Note: ☒ Antennas use a permanently attached antenna which is not replaceable.  
☐ Not using a standard antenna jack or electrical connector for antenna replacement  
☐ The antenna has to be professionally installed (please provide method of installation)

Which in accordance to section 15.203, please refer to the internal photos.

----- END OF REPORT -----