

Site 3m Chamber #1

Polarization: **Vertical**

Temperature: 28.1 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 230V/50Hz

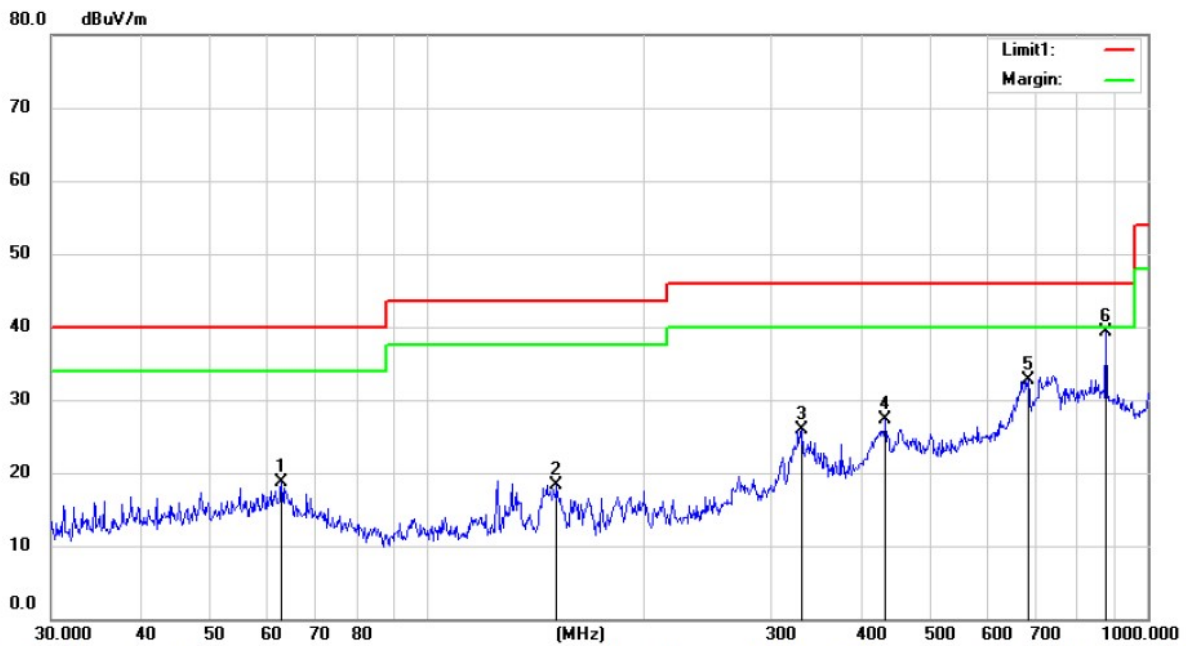
Humidity: 43 %

Mode:WIFI 2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		32.6054	42.72	-14.37	28.35	40.00	-11.65	QP		
2		49.1220	40.19	-12.23	27.96	40.00	-12.04	QP		
3		62.4861	40.18	-12.05	28.13	40.00	-11.87	QP		
4		125.0066	45.55	-14.39	31.16	43.50	-12.34	QP		
5		430.0880	39.46	-5.64	33.82	46.00	-12.18	QP		
6	*	875.2470	33.60	1.76	35.36	46.00	-10.64	QP		





Site 3m Chamber #1

Polarization: **Horizontal**

Temperature: 28.1 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 230V/50Hz

Humidity: 43 %

Mode: WIFI 2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		62.7331	30.80	-12.06	18.74	40.00	-21.26	QP		
2		151.2652	32.05	-13.80	18.25	43.50	-25.25	QP		
3		331.5000	34.13	-8.20	25.93	46.00	-20.07	QP		
4		433.8750	32.95	-5.74	27.21	46.00	-18.79	QP		
5		682.9470	33.87	-1.17	32.70	46.00	-13.30	QP		
6	*	875.2470	37.51	1.76	39.27	46.00	-6.73	QP		

## 8.6 CONDUCTED EMISSIONS TEST

### 8.6.1 Applicable Standard

According to FCC Part 15.207(a)

### 8.6.2 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.

### 8.6.3 Test Configuration

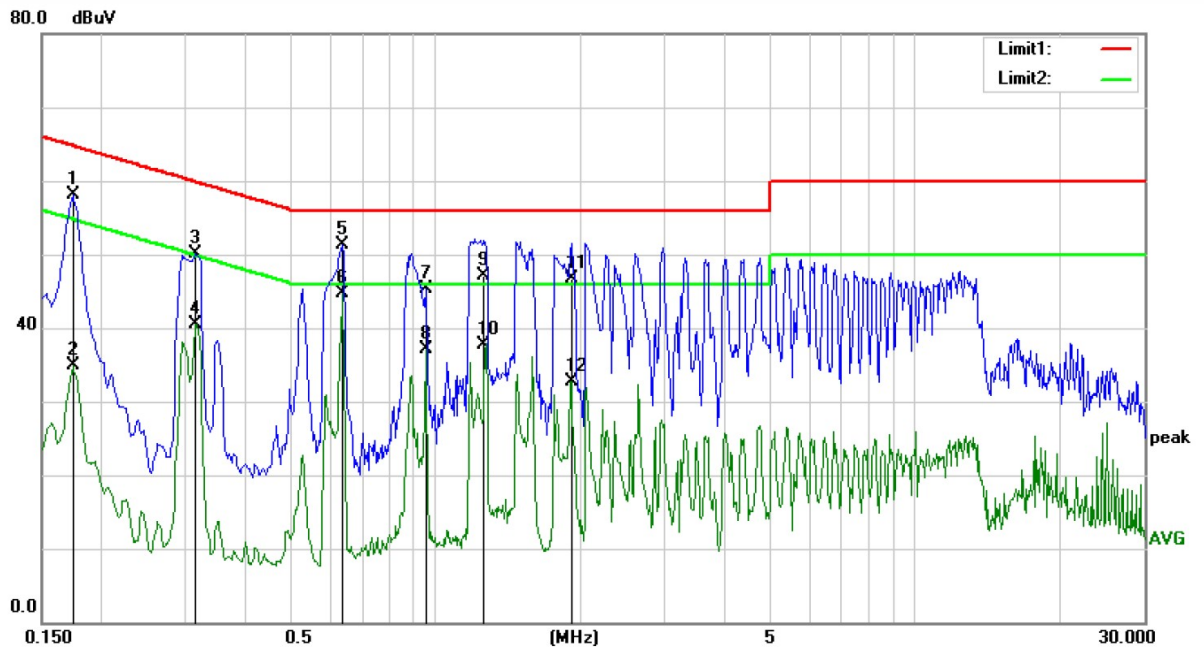
Test according to clause 7.3conducted emission test setup

### 8.6.4 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.

### 8.6.5 Test Results

Pass



Site Conduction #2

Phase: **L1**

Temperature: 25.1

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

Power: AC 120V/60Hz

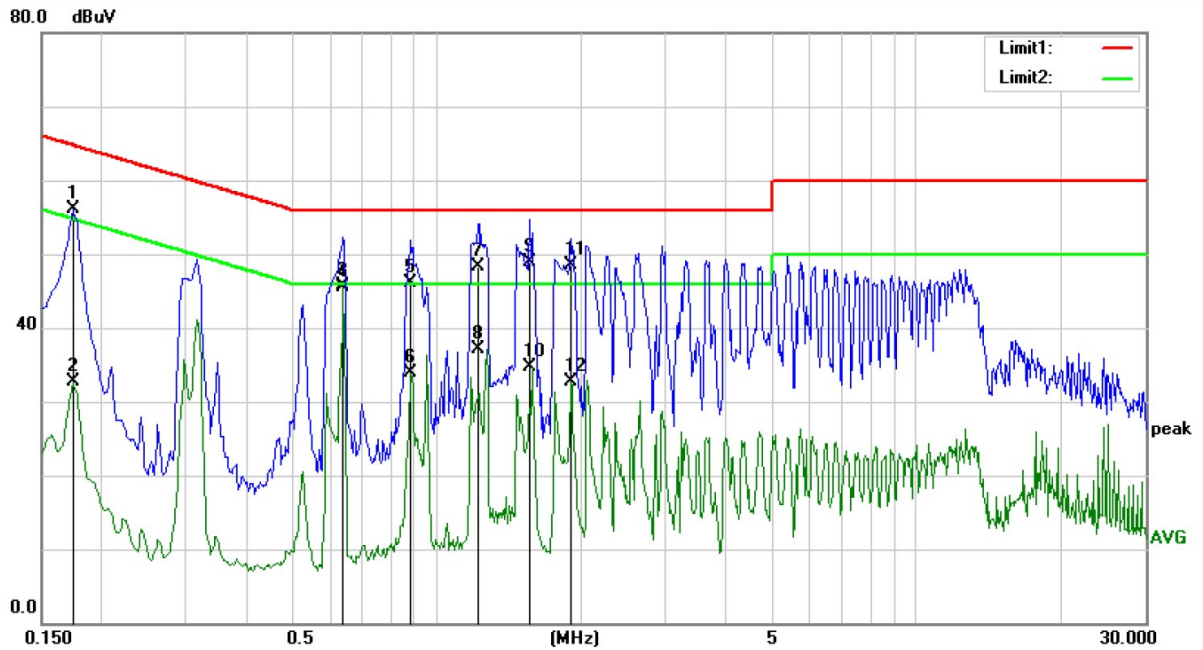
Humidity: 45 %

Mode: charging

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1740	47.70	10.48	58.18	64.77	-6.59	QP	
2		0.1740	24.34	10.48	34.82	54.77	-19.95	AVG	
3		0.3140	39.78	10.38	50.16	59.86	-9.70	QP	
4		0.3140	30.14	10.38	40.52	49.86	-9.34	AVG	
5		0.6380	41.07	10.31	51.38	56.00	-4.62	QP	
6	*	0.6380	34.43	10.31	44.74	46.00	-1.26	AVG	
7		0.9500	34.91	10.37	45.28	56.00	-10.72	QP	
8		0.9500	26.66	10.37	37.03	46.00	-8.97	AVG	
9		1.2620	36.83	10.37	47.20	56.00	-8.80	QP	
10		1.2620	27.43	10.37	37.80	46.00	-8.20	AVG	
11		1.9100	36.49	10.31	46.80	56.00	-9.20	QP	
12		1.9100	22.47	10.31	32.78	46.00	-13.22	AVG	





Site Conduction #2

Phase: **N**

Temperature: 25.1

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

Power: AC 120V/60Hz

Humidity: 45 %

Mode: charging

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1740	45.54	10.48	56.02	64.77	-8.75	QP	
2		0.1740	22.20	10.48	32.68	54.77	-22.09	AVG	
3		0.6380	35.39	10.31	45.70	56.00	-10.30	QP	
4	*	0.6380	35.15	10.31	45.46	46.00	-0.54	AVG	
5		0.8820	35.85	10.35	46.20	56.00	-9.80	QP	
6		0.8820	23.50	10.35	33.85	46.00	-12.15	AVG	
7		1.2220	37.92	10.38	48.30	56.00	-7.70	QP	
8		1.2220	26.74	10.38	37.12	46.00	-8.88	AVG	
9		1.5660	38.55	10.35	48.90	56.00	-7.10	QP	
10		1.5660	24.32	10.35	34.67	46.00	-11.33	AVG	
11		1.9060	38.29	10.31	48.60	56.00	-7.40	QP	
12		1.9060	22.45	10.31	32.76	46.00	-13.24	AVG	

## 8.7 ANTENNA APPLICATION

### 8.7.1 Antenna Requirement

Standard	Requirement
FCC CRF Part15.203	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 15.247 (b), 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.

### 8.7.2 Result

PASS.

- The EUT has 2 Internal Antennas: The two antennas are 0.8 dBi (with cable loss ).

Note:

- Antenna uses 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

Detail of factor for radiated emission

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

\*\*\* End of Report \*\*\*