

## 8.4. Test Procedure

- a. EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test, and which is 1.5 meter high above ground for above 1GHz test.
- b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- c. Set the EUT transmit continuously with maximum output power.
- d. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- e. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.
- f. Spectrum analyzer setting parameters in accordance with section 8.3.
- g. Repeat above procedures until all channels were measured.
- h. Record the results in the test report.

### Note:

1. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
2. The frequency 2412MHz/2422MHz/2437MHz/2452MHz/2462MHz are fundamental frequency, which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.
3. 802.11b is worse case and only report worse case.

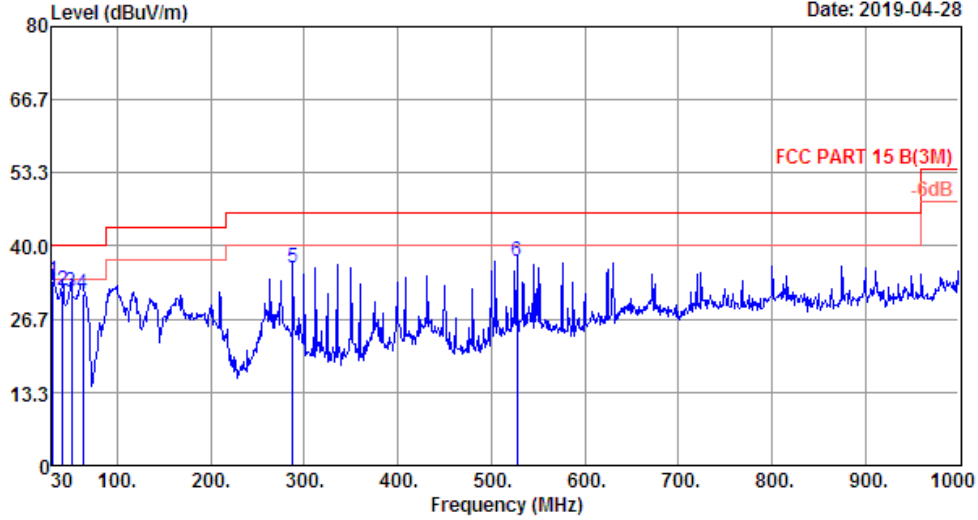
### 8.5. Test Result

#### Radiated Emissions Below 1GHz

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Data: 11 File: \\Emc-966-1\test data\2019\RFID\DongHongXinYe\MyDoor-B.EM6 (12) Date: 2019-04-28



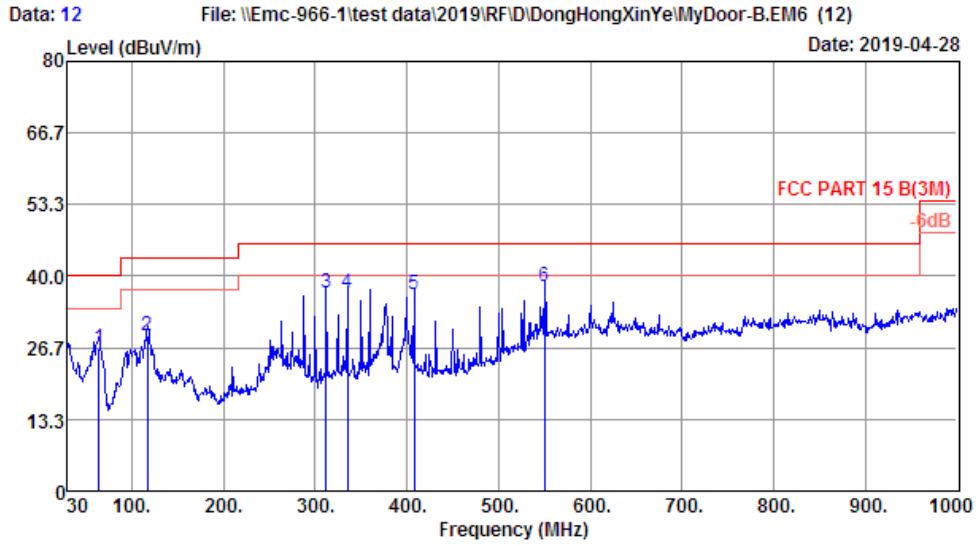
Site no. : 1# 966 Chamber Data no. : 11  
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 B(3M)  
 Env. / Ins. : Temp:24.3°;Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : TX Mode

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.97	17.40	0.32	15.89	33.61	40.00	6.39	QP
2	41.64	11.70	0.41	19.75	31.86	40.00	8.14	QP
3	51.34	7.65	0.54	23.47	31.66	40.00	8.34	QP
4	62.98	5.20	0.67	25.29	31.16	40.00	8.84	QP
5	288.02	13.18	2.02	20.82	36.02	46.00	9.98	QP
6	527.61	18.86	2.99	15.25	37.10	46.00	8.90	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 12  
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B(3M)  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : TX Mode

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	63.95	5.30	0.70	20.57	26.57	40.00	13.43	QP
2	117.30	11.42	1.13	16.29	28.84	43.50	14.66	QP
3	312.27	13.96	2.11	20.81	36.88	46.00	9.12	QP
4	335.55	14.56	2.24	20.19	36.99	46.00	9.01	QP
5	408.30	16.25	2.30	18.08	36.63	46.00	9.37	QP
6	549.92	19.20	3.05	15.70	37.95	46.00	8.05	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

Note:

1. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All channels had been pre-test, only the worst case was reported.

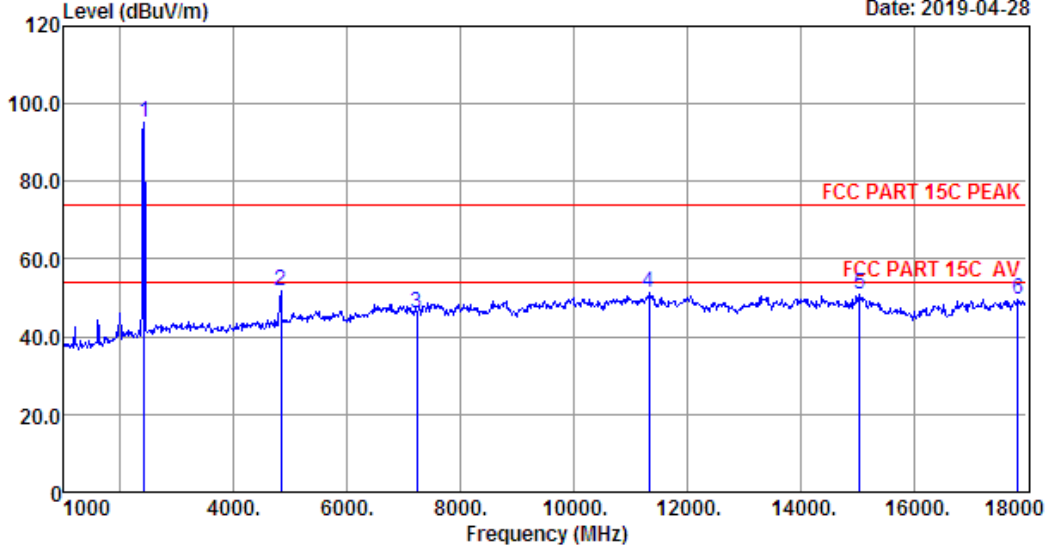


### Radiated Emissions Above 1G

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Data: 5 File: \\Emc-966-1\test data\2019\RFID\MyDoor-B.EM6 (10) Date: 2019-04-28



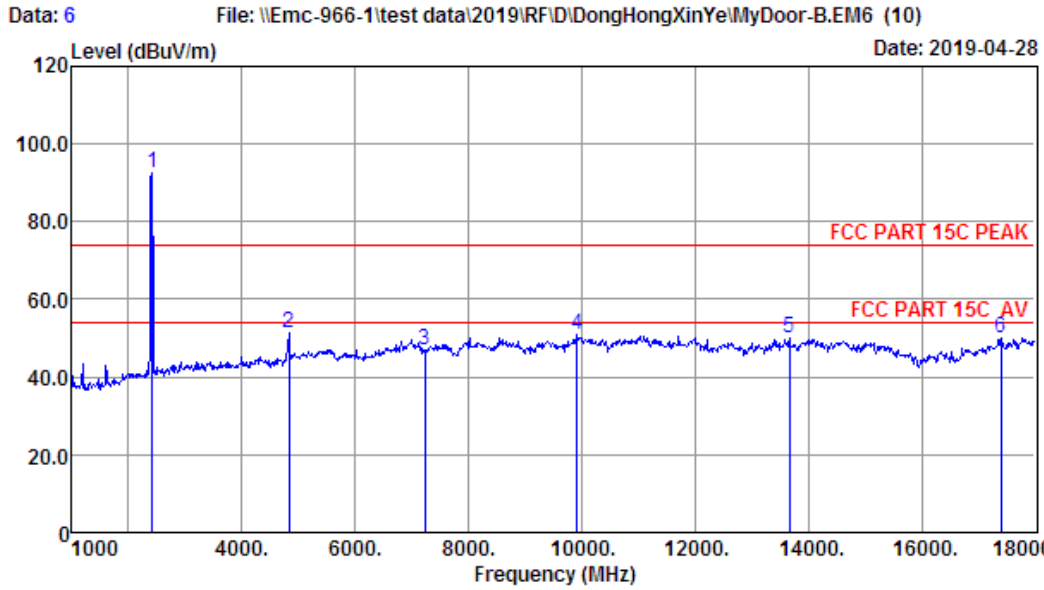
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 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.00	27.39	3.23	35.71	100.44	95.35	74.00	-21.35	Peak
2	4824.00	32.09	4.69	36.10	50.99	51.67	74.00	22.33	Peak
3	7236.00	36.63	6.03	34.69	38.02	45.99	74.00	28.01	Peak
4	11336.00	40.03	8.32	33.93	37.09	51.51	74.00	22.49	Peak
5	15042.00	40.24	10.79	33.11	33.04	50.96	74.00	23.04	Peak
6	17847.00	44.30	12.30	31.87	24.85	49.58	74.00	24.42	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

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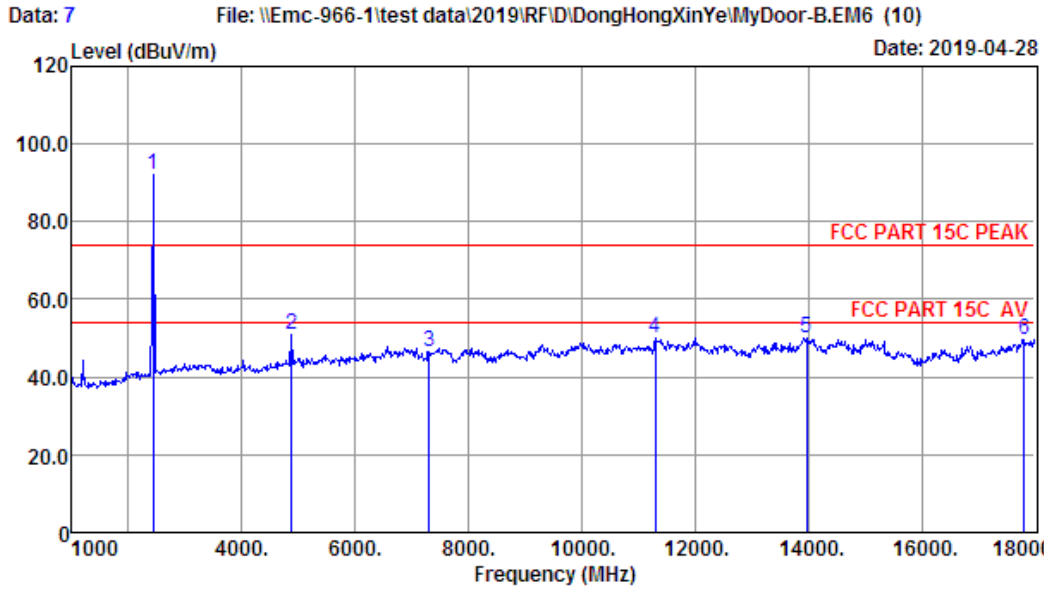
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 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	2412.00	27.39	3.23	35.71	97.68	92.59	74.00	-18.59	Peak
2	4824.00	32.09	4.69	36.10	50.81	51.49	74.00	22.51	Peak
3	7236.00	36.63	6.03	34.69	39.06	47.03	74.00	26.97	Peak
4	9925.00	39.06	8.53	34.98	38.21	50.82	74.00	23.18	Peak
5	13665.00	41.43	9.89	33.63	32.17	49.86	74.00	24.14	Peak
6	17405.00	43.02	11.33	32.36	28.14	50.13	74.00	23.87	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

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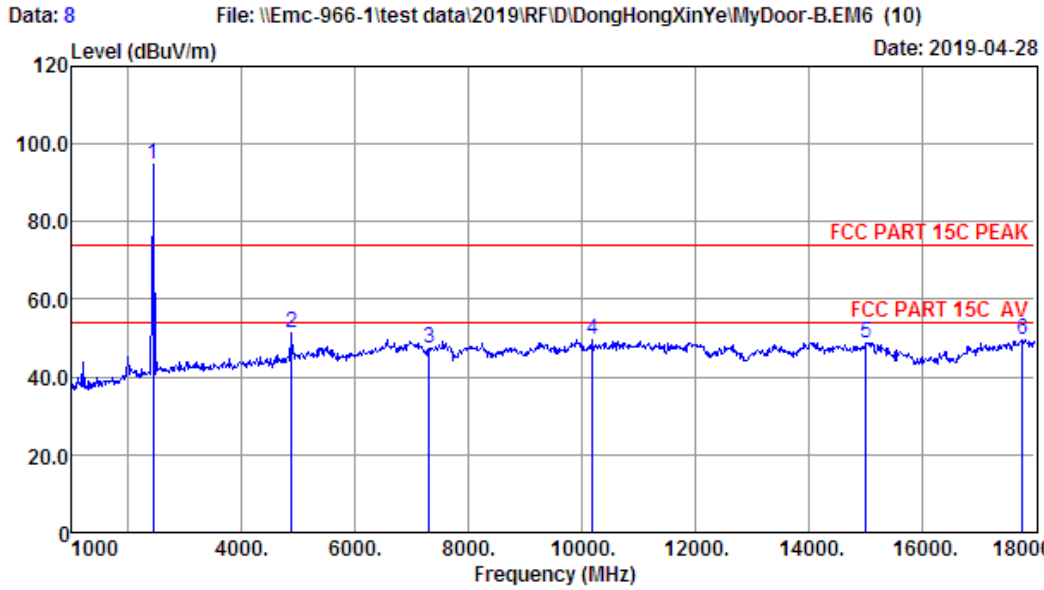
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 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH6 2437MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.00	27.48	3.26	35.76	97.08	92.06	74.00	-18.06	Peak
2	4874.00	32.18	4.73	36.10	50.31	51.12	74.00	22.88	Peak
3	7311.00	36.78	6.09	34.75	38.24	46.36	74.00	27.64	Peak
4	11302.00	40.02	8.35	33.96	35.56	49.97	74.00	24.03	Peak
5	13971.00	41.67	10.12	33.70	31.95	50.04	74.00	23.96	Peak
6	17813.00	44.21	12.23	31.91	25.27	49.80	74.00	24.20	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

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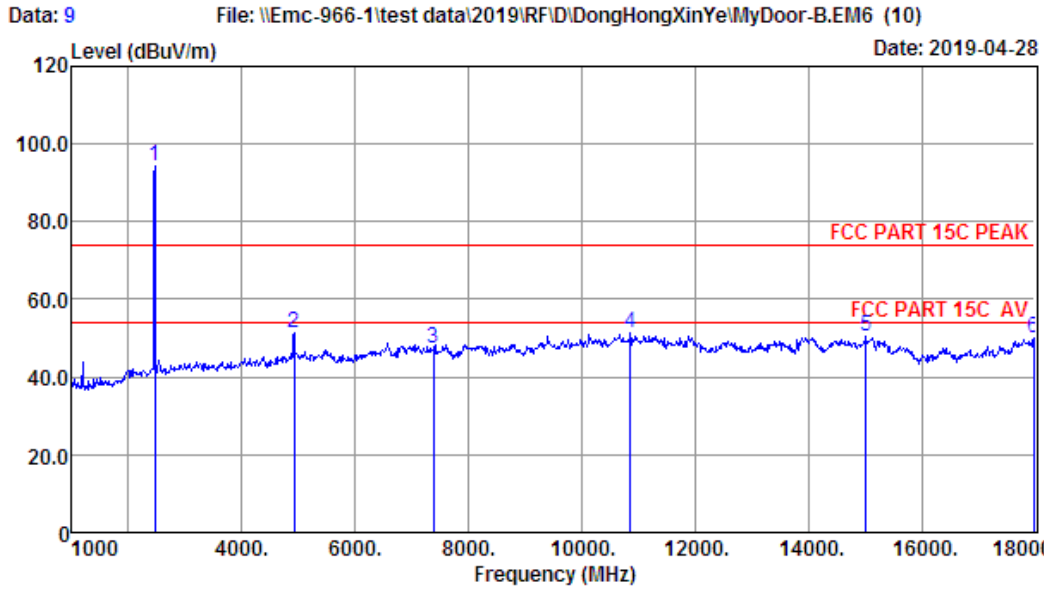
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Site no. : 1# 966 Chamber Data no. : 8  
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH6 2437MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.00	27.48	3.26	35.76	100.00	94.98	74.00	-20.98	Peak
2	4874.00	32.18	4.73	36.10	50.74	51.55	74.00	22.45	Peak
3	7311.00	36.78	6.09	34.75	39.34	47.46	74.00	26.54	Peak
4	10197.00	39.18	9.69	34.85	35.59	49.61	74.00	24.39	Peak
5	15025.00	40.27	10.77	33.11	30.93	48.86	74.00	25.14	Peak
6	17779.00	44.12	12.16	31.95	25.48	49.81	74.00	24.19	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

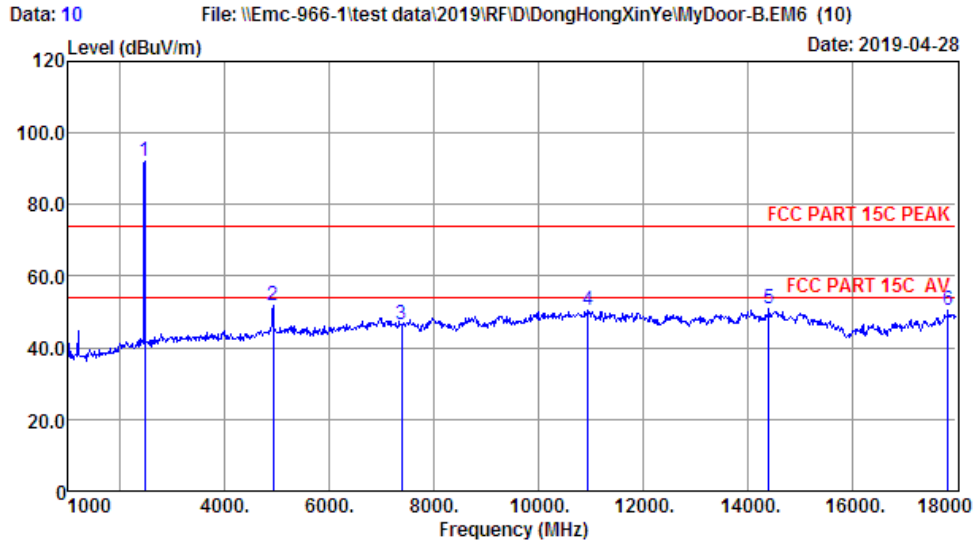


Site no. : 1# 966 Chamber Data no. : 9  
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH11 2462MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.52	3.27	35.78	99.45	94.46	74.00	-20.46	Peak
2	4924.00	32.28	4.77	36.10	50.22	51.17	74.00	22.83	Peak
3	7386.00	36.97	6.12	34.80	39.18	47.47	74.00	26.53	Peak
4	10860.00	39.73	8.68	34.31	37.10	51.20	74.00	22.80	Peak
5	15025.00	40.27	10.77	33.11	32.33	50.26	74.00	23.74	Peak
6	17983.00	44.66	12.60	31.72	24.56	50.10	74.00	23.90	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.





Site no. : 1# 966 Chamber Data no. : 10  
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH11 2462MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.00	27.52	3.27	35.78	96.99	92.00	74.00	-18.00	Peak
2	4924.00	32.28	4.77	36.10	51.00	51.95	74.00	22.05	Peak
3	7386.00	36.97	6.12	34.80	38.36	46.65	74.00	27.35	Peak
4	10945.00	39.84	8.61	34.24	36.31	50.52	74.00	23.48	Peak
5	14413.00	41.29	10.19	33.45	33.10	51.13	74.00	22.87	Peak
6	17847.00	44.30	12.30	31.87	25.68	50.41	74.00	23.59	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

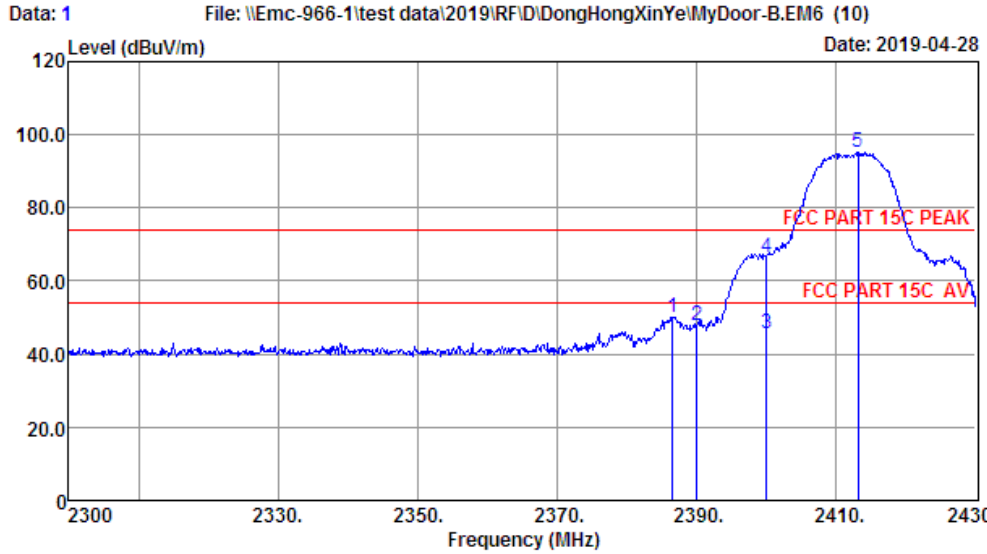
Note:

1. The amplitude of 18GHz to 25GHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

### Radiated Band Edge

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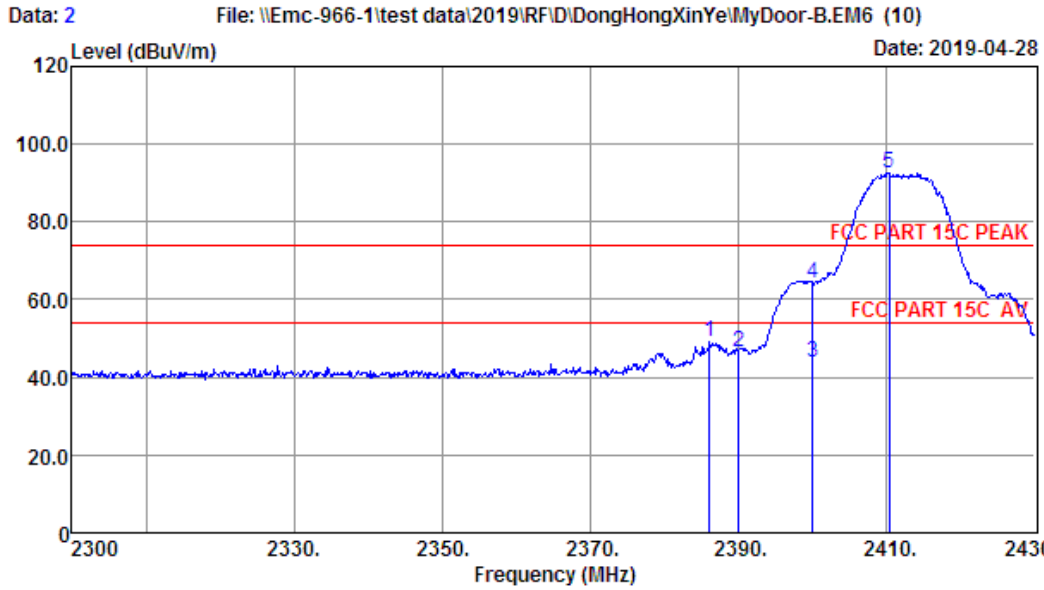


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 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3%;Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2386.58	27.35	3.21	35.68	55.06	49.94	74.00	24.06	Peak
2	2390.00	27.35	3.21	35.68	53.08	47.96	74.00	26.04	Peak
3	2400.00	27.35	3.21	35.71	50.84	45.69	54.00	8.31	Average
4	2400.00	27.35	3.21	35.71	71.46	66.31	74.00	7.69	Peak
5	2413.10	27.39	3.23	35.71	100.31	95.22	74.00	-21.22	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

For RMS Measurement					
Freq (MHz)	Emission Level (dBuV/m)	Duty Factor (dB)	Final result (dBuV/m)	Limit (dBuV/m)	Result
2400	45.69	0.64	46.33	54.00	PASS



Site no. : 1# 966 Chamber Data no. : 2  
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	2386.06	27.35	3.21	35.68	54.28	49.16	74.00	24.84	Peak
2	2390.00	27.35	3.21	35.68	51.51	46.39	74.00	27.61	Peak
3	2400.00	27.35	3.21	35.71	49.01	43.86	54.00	10.14	Average
4	2400.00	27.35	3.21	35.71	69.25	64.10	74.00	9.90	Peak
5	2410.37	27.39	3.23	35.71	97.71	92.62	74.00	-18.62	Peak

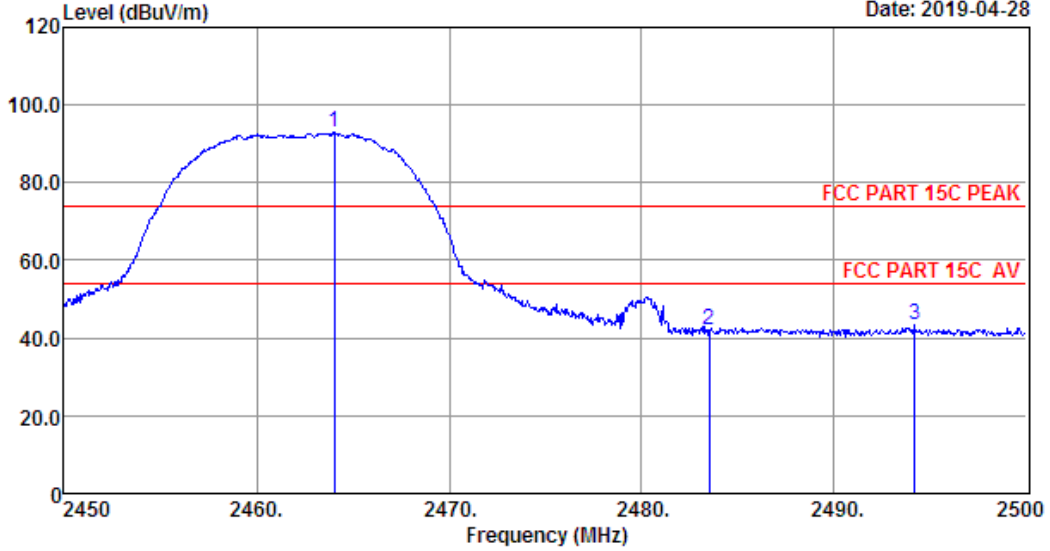
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

For RMS Measurement					
Freq (MHz)	Emission Level (dBUV/m)	Duty Factor (dB)	Final result (dBUV/m)	Limit (dBUV/m)	Result
2400	43.86	0.64	44.50	54.00	PASS

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Data: 3 File: \\Emc-966-1\test data\2019\RFID\DongHongXinYe\MyDoor-B.EM6 (10) Date: 2019-04-28



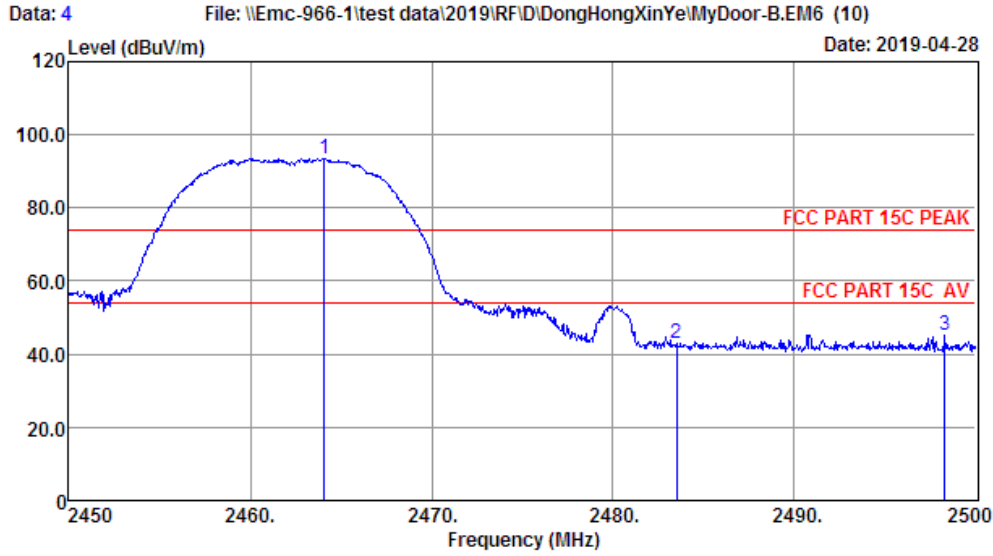
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 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH11 2462MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2464.05	27.52	3.27	35.78	97.85	92.86	74.00	-18.86	Peak
2	2483.50	27.56	3.29	35.81	46.98	42.02	74.00	31.98	Peak
3	2494.20	27.60	3.30	35.84	48.34	43.40	74.00	30.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 4  
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PEAK  
 Env. / Ins. : Temp:24.3';Humi:54%;Press:101.52kPa  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : IEEE 802.11b TX CH11 2462MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2464.10	27.52	3.27	35.78	98.41	93.42	74.00	-19.42	Peak
2	2483.50	27.56	3.29	35.81	47.72	42.76	74.00	31.24	Peak
3	2498.30	27.60	3.30	35.84	50.12	45.18	74.00	28.82	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

Note:

1. All channels had been pre-test,only of the worst case channels were reported.



## 9. AC POWER LINE CONDUCTED EMISSIONS

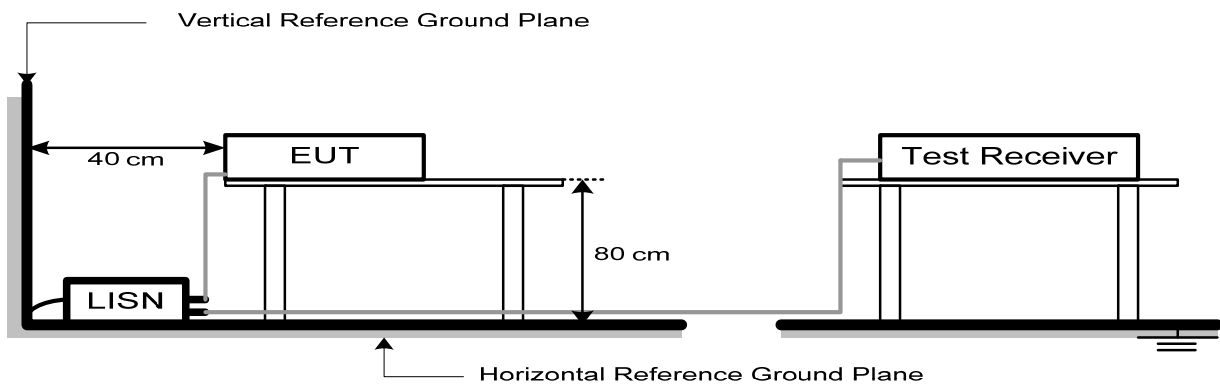
### 9.1. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note:

1. \* Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

### 9.2. Test Setup



### 9.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP/AVG
Trace Mode	Max Hold

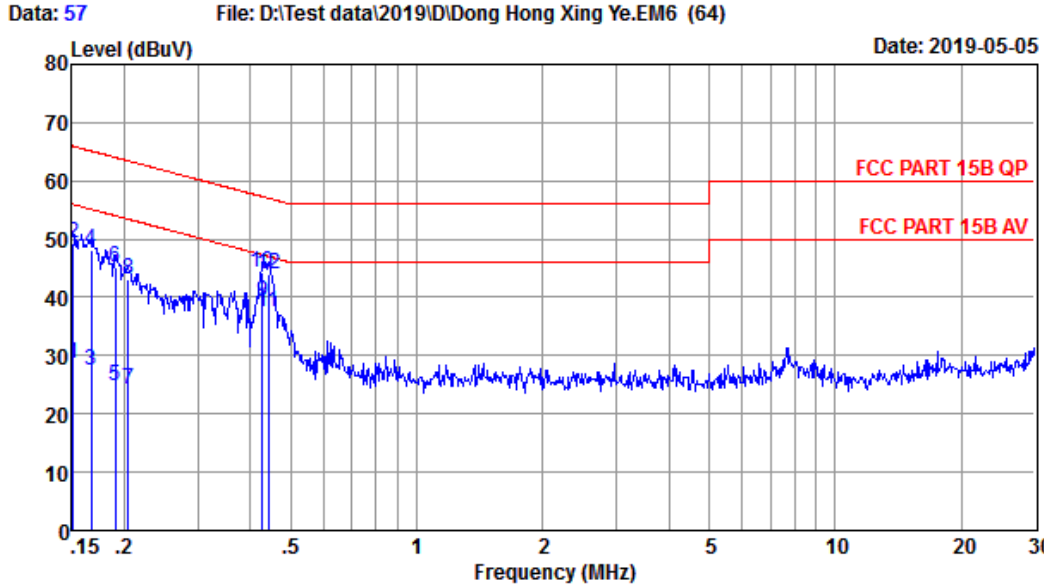
### 9.4. Test Procedure

- a. The EUT was placed on a non-metallic table, 80cm above the ground plane.
- b. The EUT Power connected to the power mains through a line impedance stabilization network.
- c. This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs).
- d. Set the EUT transmit continuously with maximum output power.
- e. Spectrum analyzer setting parameters in accordance with section 9.3.
- f. The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.
- g. Record the results in the test report.

### 9.5. Test Result

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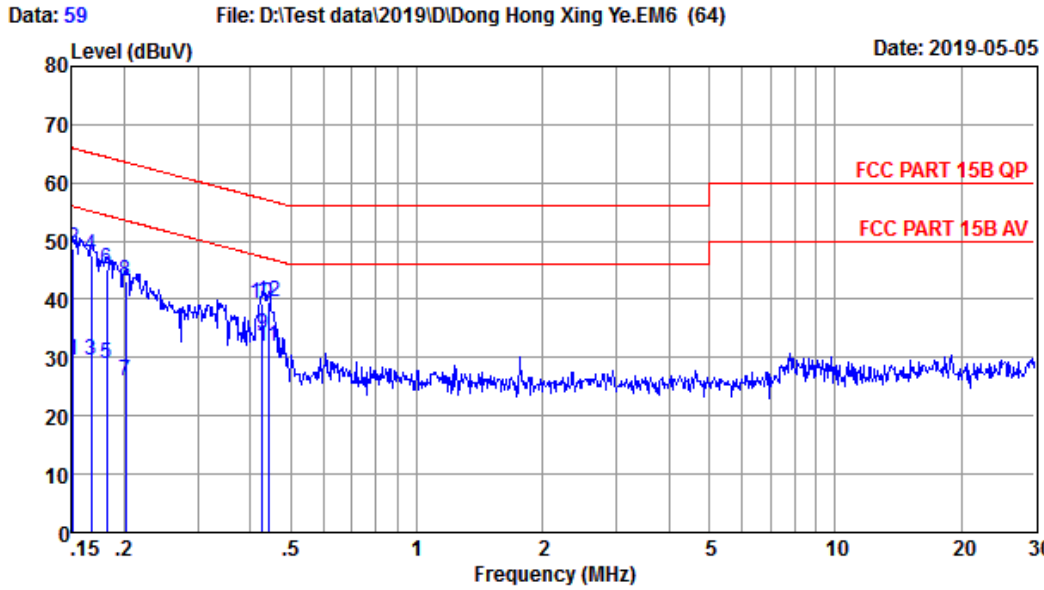
Chilingxiang, Qishantou, Santun,  
Houjie, Dongguan, Guangdong, China  
Tel: +86-769-83081888  
Fax: +86-769-83081878



Site no : 844 Shield Room Data no. : 57  
 Env. / Ins. : Temp:24.5'C Humi:52% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : FCC PART 15B QP  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (db)	Cable Loss (db)	Reading dBuV	Emission Level (dBUv)	Limits (dBUv)	Margin (dB)	Remark
1	0.151	9.61	9.69	9.20	28.50	55.96	27.46	Average
2	0.151	9.61	9.69	29.87	49.17	65.96	16.79	QP
3	0.167	9.61	9.69	8.20	27.50	55.12	27.62	Average
4	0.167	9.61	9.69	28.87	48.17	65.12	16.95	QP
5	0.190	9.62	9.77	5.43	24.82	54.02	29.20	Average
6	0.190	9.62	9.77	25.92	45.31	64.02	18.71	QP
7	0.204	9.62	9.84	4.67	24.13	53.45	29.32	Average
8	0.204	9.62	9.84	23.57	43.03	63.45	20.42	QP
9	0.428	9.64	9.92	19.83	39.39	47.29	7.90	Average
10	0.428	9.64	9.92	24.62	44.18	57.29	13.11	QP
11	0.442	9.64	9.92	17.83	37.39	47.02	9.63	Average
12	0.442	9.64	9.92	24.52	44.08	57.02	12.94	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



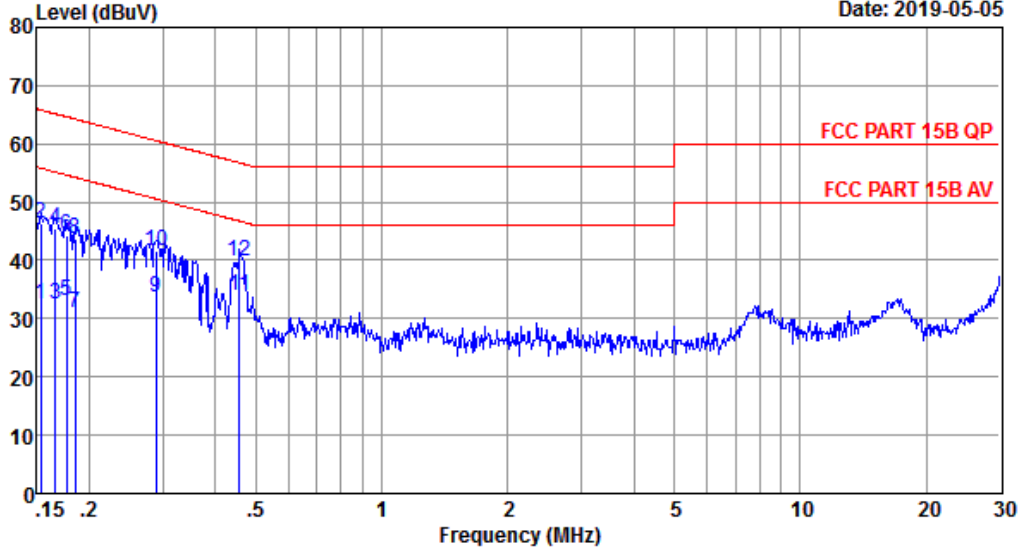
Site no : 844 Shield Room Data no. : 59  
 Env. / Ins. : Temp:24.5'C Humi:52% Press:101.50kPa LINE Phase : LINE  
 Limit : FCC PART 15B QP  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 120V/60Hz  
 M/N : MyDoor-B  
 Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (db)	Cable Loss (db)	Reading dBuV	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.151	9.73	9.69	10.20	29.62	55.96	26.34	Average
2	0.151	9.73	9.69	29.37	48.79	65.96	17.17	QP
3	0.167	9.73	9.69	10.01	29.43	55.12	25.69	Average
4	0.167	9.73	9.69	28.21	47.63	65.12	17.49	QP
5	0.182	9.73	9.77	9.43	28.93	54.42	25.49	Average
6	0.182	9.73	9.77	25.77	45.27	64.42	19.15	QP
7	0.202	9.73	9.77	6.43	25.93	53.54	27.61	Average
8	0.202	9.73	9.77	23.73	43.23	63.54	20.31	QP
9	0.428	9.72	9.92	14.16	33.80	47.29	13.49	Average
10	0.428	9.72	9.92	19.66	39.30	57.29	17.99	QP
11	0.442	9.72	9.92	12.16	31.80	47.02	15.22	Average
12	0.442	9.72	9.92	19.78	39.42	57.02	17.60	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. If the average limit is met when using a quasi-peak detector,  
 the EUT shall be deemed to meet both limits and measurement  
 with average detector is unnecessary.



Data: 61 File: D:\Test data\2019\DI\Dong Hong Xing Ye.EM6 (64) Date: 2019-05-05



Site no : 844 Shield Room Data no. : 61  
 Env. / Ins. : Temp:24.5'C Humi:52% Press:101.50kPa LINE Phase : LINE  
 Limit : FCC PART 15B QP  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 240V/60Hz  
 M/N : MyDoor-B  
 Test Mode : TX Mode

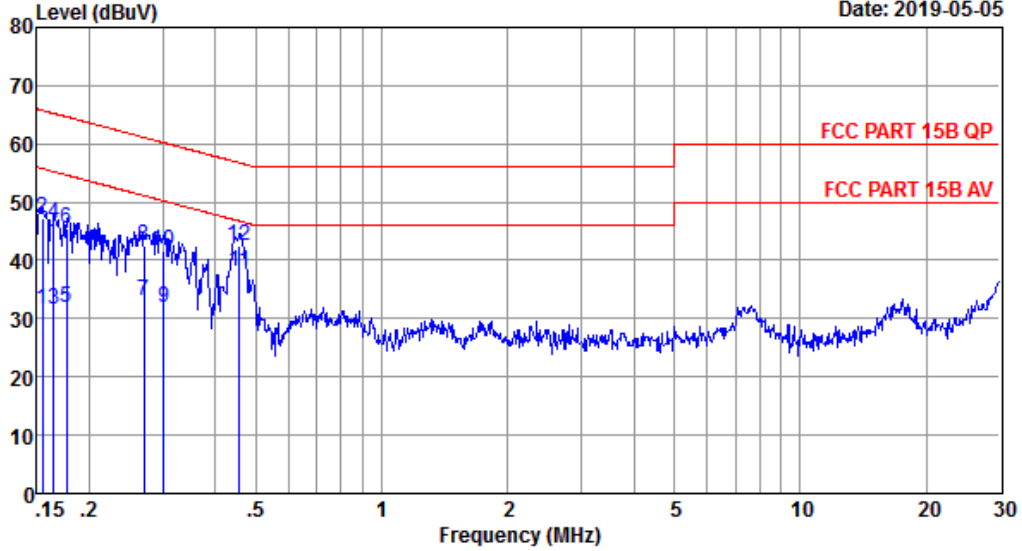
	Freq. (MHz)	LISN Factor (db)	Cable Loss (db)	Reading dBuV	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.153	9.73	9.69	13.20	32.62	55.82	23.20	Average
2	0.153	9.73	9.69	26.81	46.23	65.82	19.59	QP
3	0.166	9.73	9.69	13.20	32.62	55.16	22.54	Average
4	0.166	9.73	9.69	25.95	45.37	65.16	19.79	QP
5	0.177	9.73	9.77	13.43	32.93	54.64	21.71	Average
6	0.177	9.73	9.77	24.83	44.33	64.64	20.31	QP
7	0.185	9.73	9.77	11.43	30.93	54.24	23.31	Average
8	0.185	9.73	9.77	24.25	43.75	64.24	20.49	QP
9	0.289	9.72	9.92	14.10	33.74	50.54	16.80	Average
10	0.289	9.72	9.92	21.87	41.51	60.54	19.03	QP
11	0.456	9.72	9.92	14.20	33.84	46.76	12.92	Average
12	0.456	9.72	9.92	20.32	39.96	56.76	16.80	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. If the average limit is met when using a quasi-peak detector,  
 the EUT shall be deemed to meet both limits and measurement  
 with average detector is unnecessary.

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Data: 63 File: D:\Test data\2019\DI\Dong Hong Xing Ye.EM6 (64) Date: 2019-05-05



Site no : 844 Shield Room Data no. : 63  
 Env. / Ins. : Temp:24.5'C Humi:52% Press:101.50kPa LINE Phase : NEUTRAL  
 Limit : FCC PART 15B QP  
 Engineer : Viking  
 EUT : RETRO-MyDoor  
 Power : DC 15V From Adapter Input AC 240V/60Hz  
 M/N : MyDoor-B  
 Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (db)	Cable Loss (db)	Reading dBuV	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.155	9.61	9.69	12.20	31.50	55.74	24.24	Average
2	0.155	9.61	9.69	27.85	47.15	65.74	18.59	QP
3	0.164	9.61	9.69	12.20	31.50	55.25	23.75	Average
4	0.164	9.61	9.69	26.91	46.21	65.25	19.04	QP
5	0.177	9.61	9.77	12.43	31.81	54.64	22.83	Average
6	0.177	9.61	9.77	25.95	45.33	64.64	19.31	QP
7	0.270	9.62	9.92	13.60	33.14	51.12	17.98	Average
8	0.270	9.62	9.92	22.87	42.41	61.12	18.71	QP
9	0.302	9.63	9.92	12.30	31.85	50.19	18.34	Average
10	0.302	9.63	9.92	22.20	41.75	60.19	18.44	QP
11	0.456	9.65	9.92	18.53	38.10	46.76	8.66	Average
12	0.456	9.65	9.92	23.01	42.58	56.76	14.18	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

## 10. ANTENNA REQUIREMENTS

### 10.1. Limit

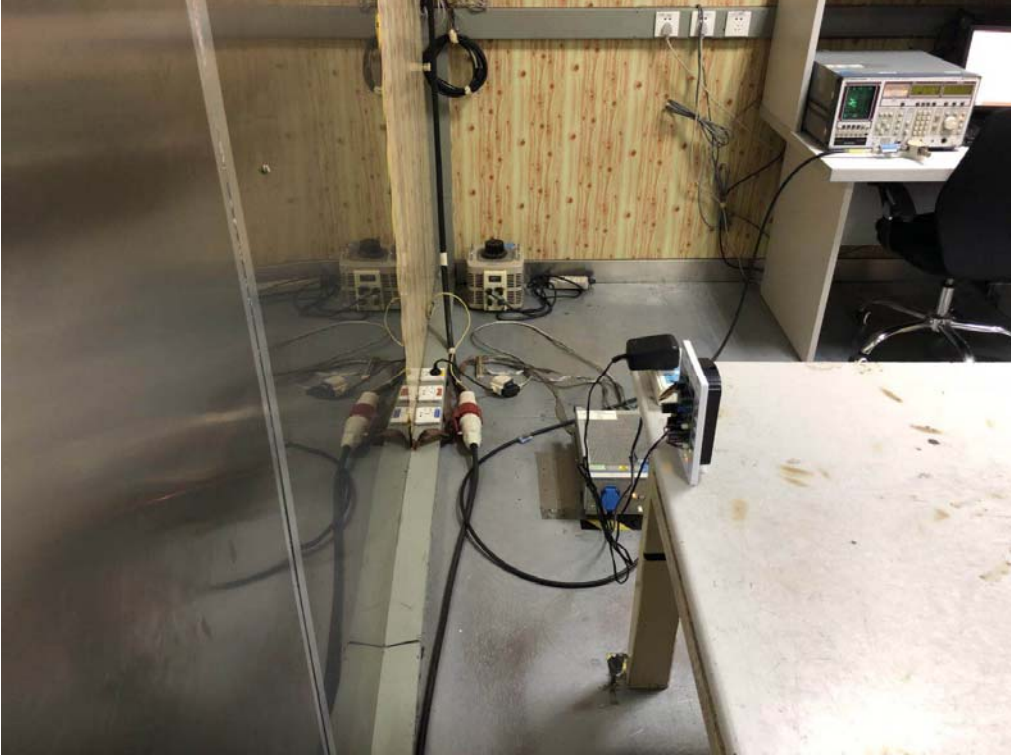
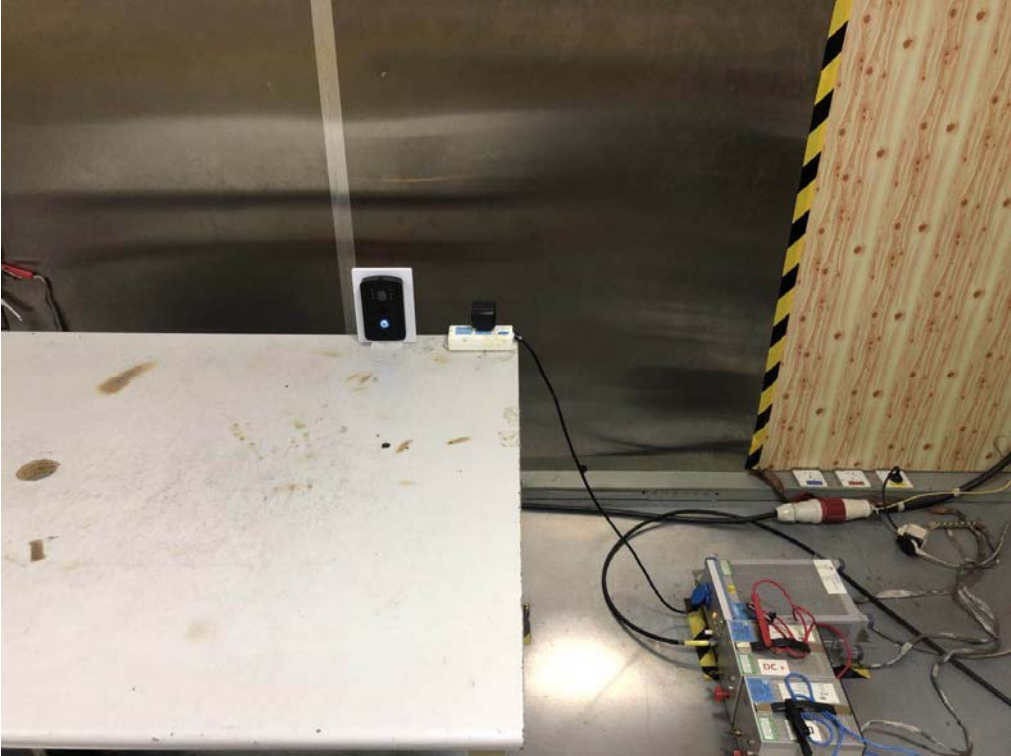
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply 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, 15.221, or §15.236. 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.

### 10.2. Test Result

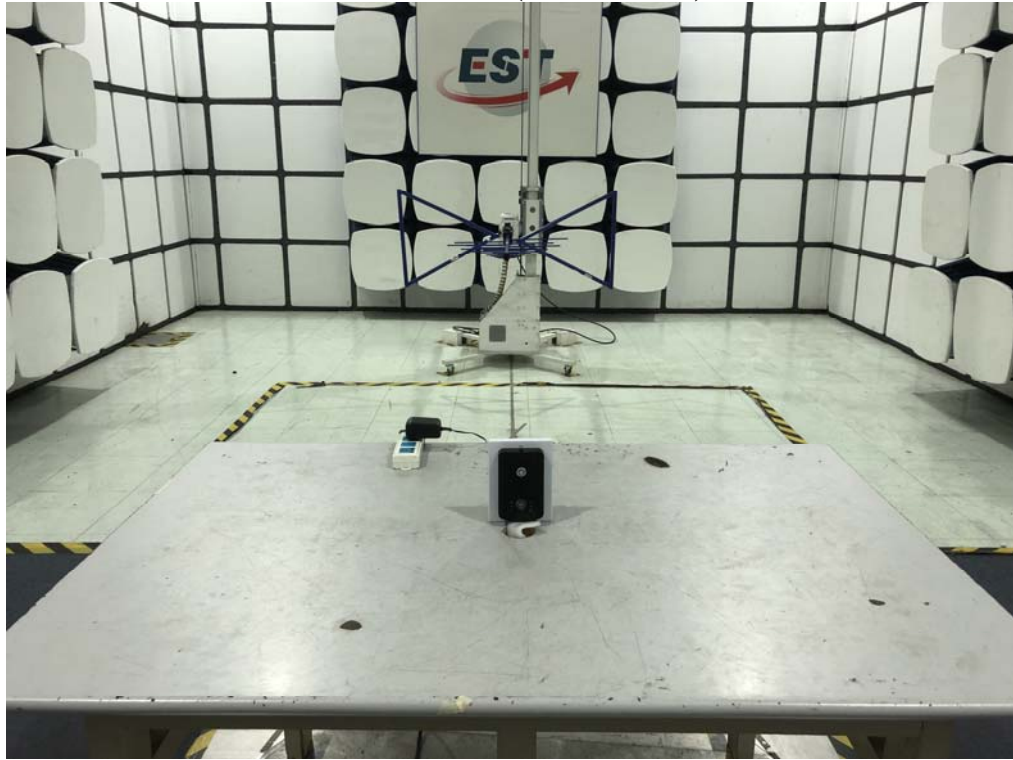
The antennas used for this product compliance with antenna requirements.

# 11. TEST SETUP PHOTO

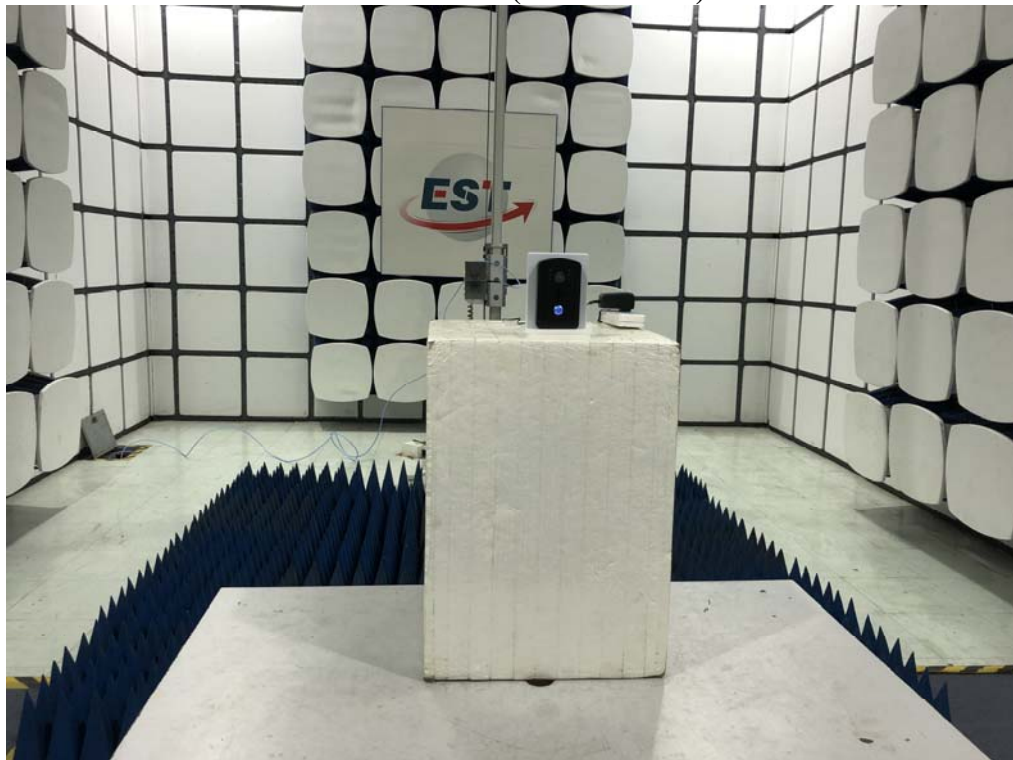
Conducted Test



**Radiated Test (Below 1GHz)**



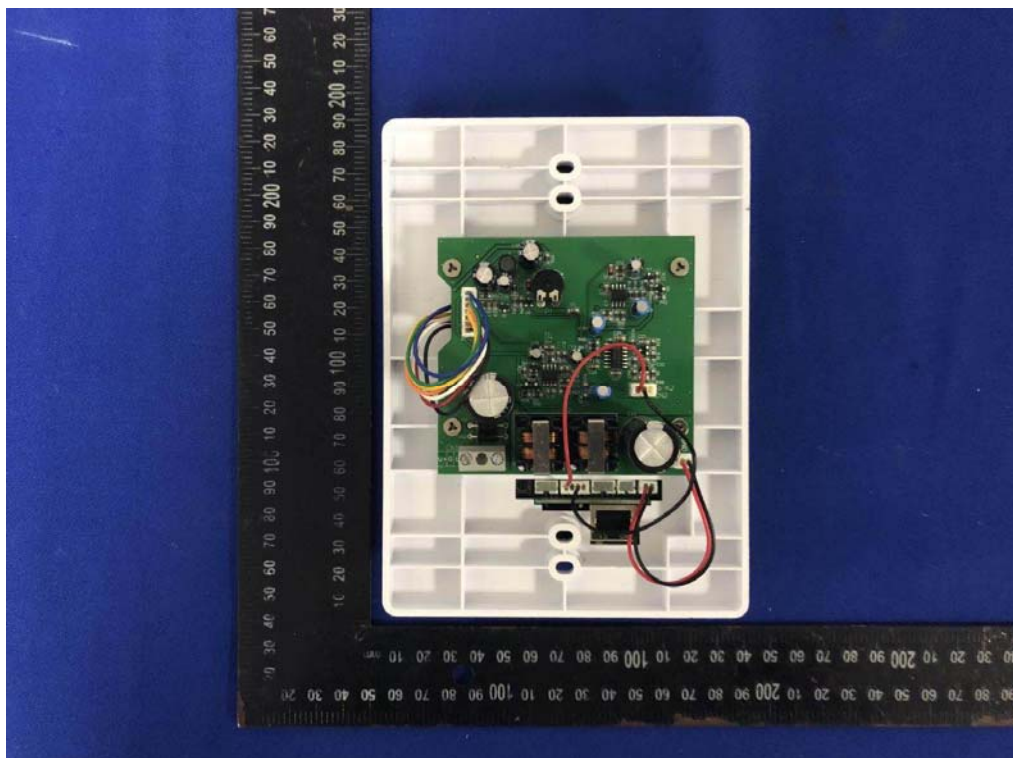
**Radiated Test (Above 1GHz)**





## 12. PHOTOS OF EUT

**External Photos**  
M/N: MyDoor-B



**External Photos**  
M/N: MyDoor-B

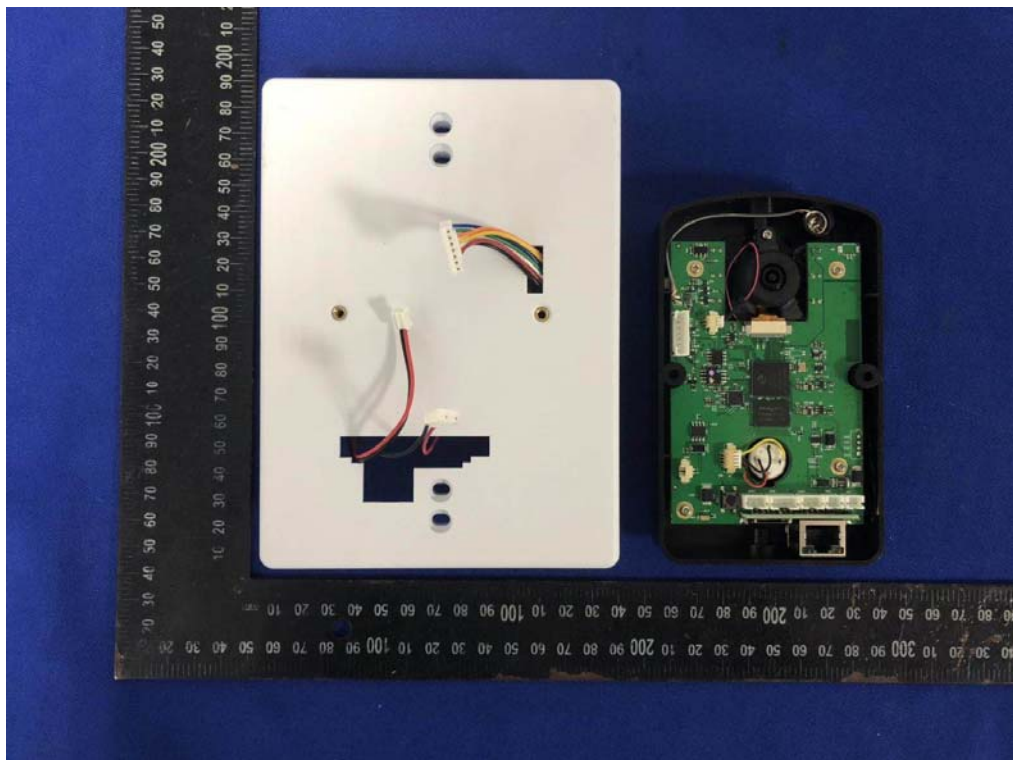


**External Photos**  
M/N: MyDoor-B

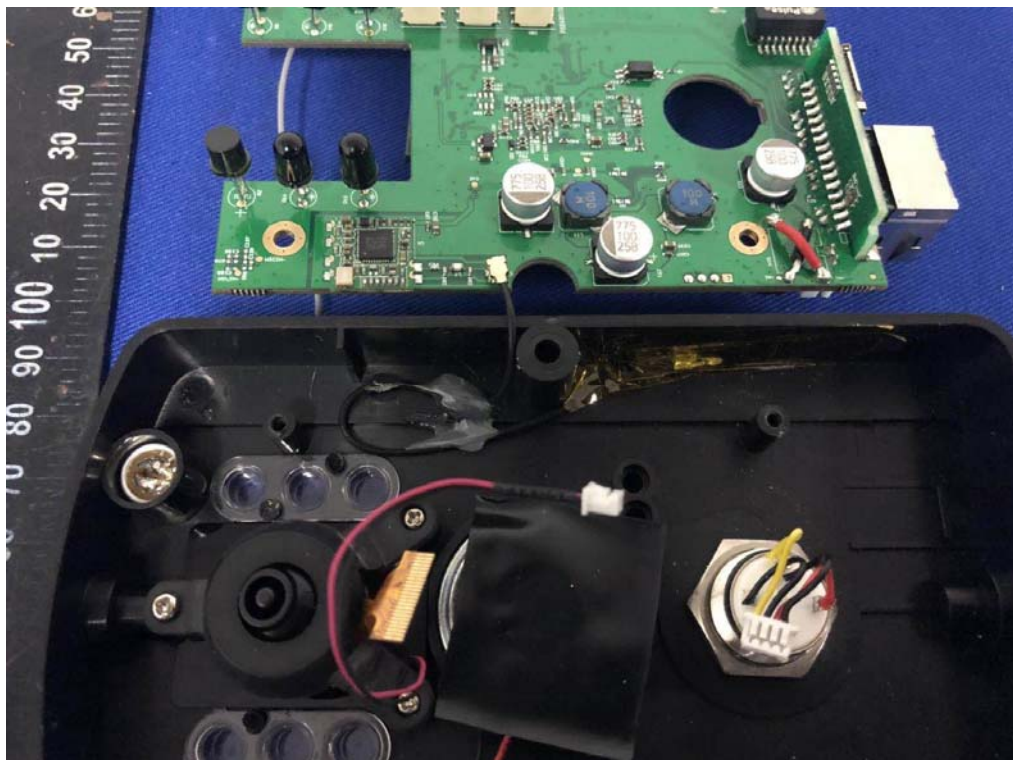
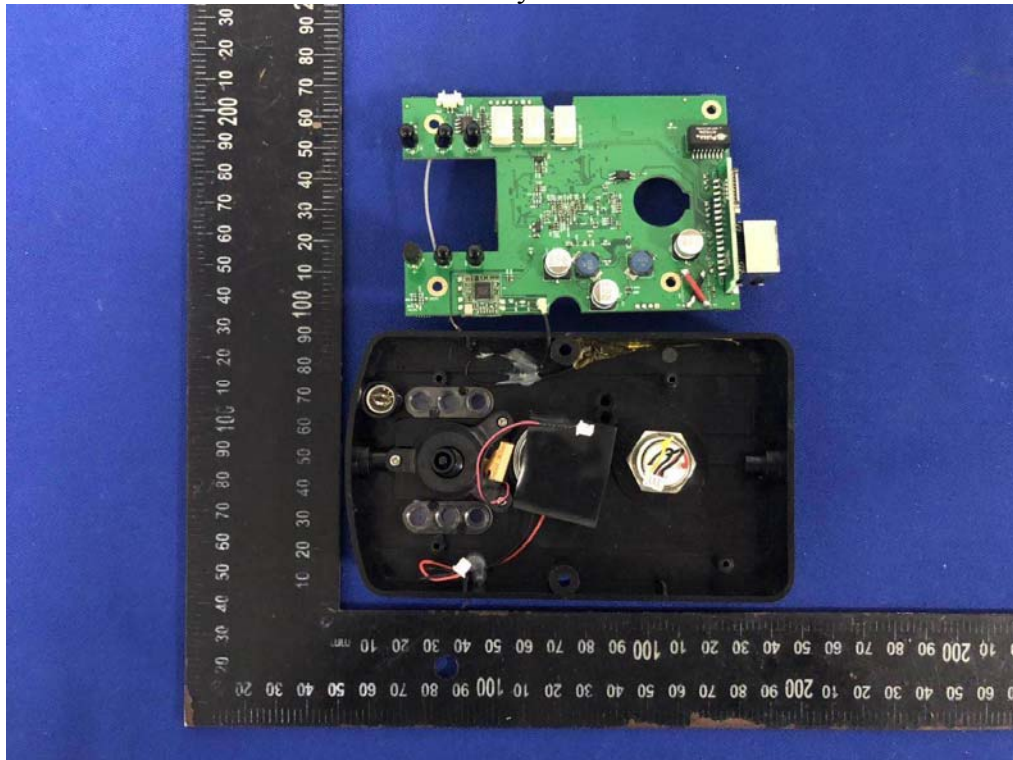




**Internal Photos**  
M/N: MyDoor-B

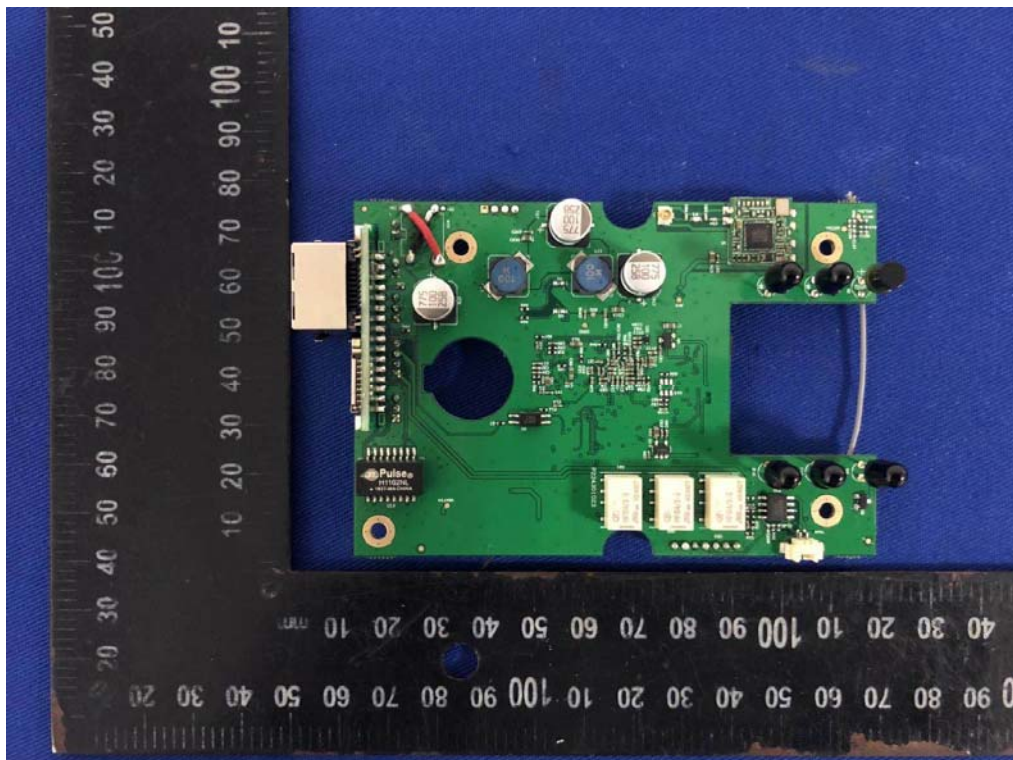
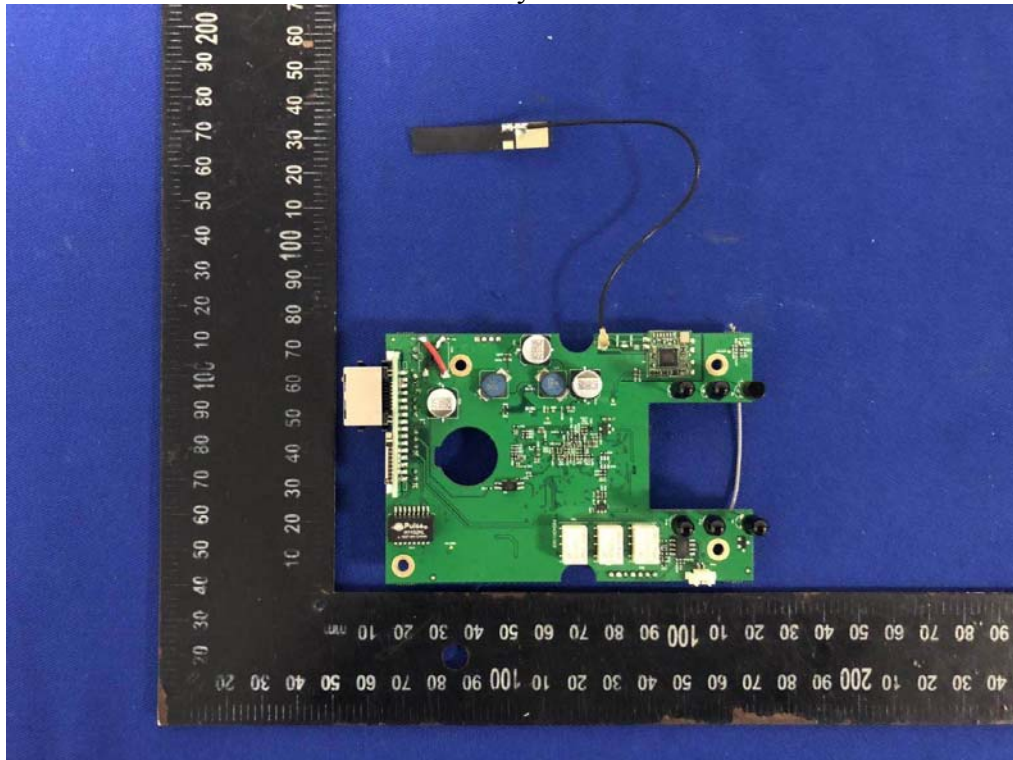


**Internal Photos**  
M/N: MyDoor-B

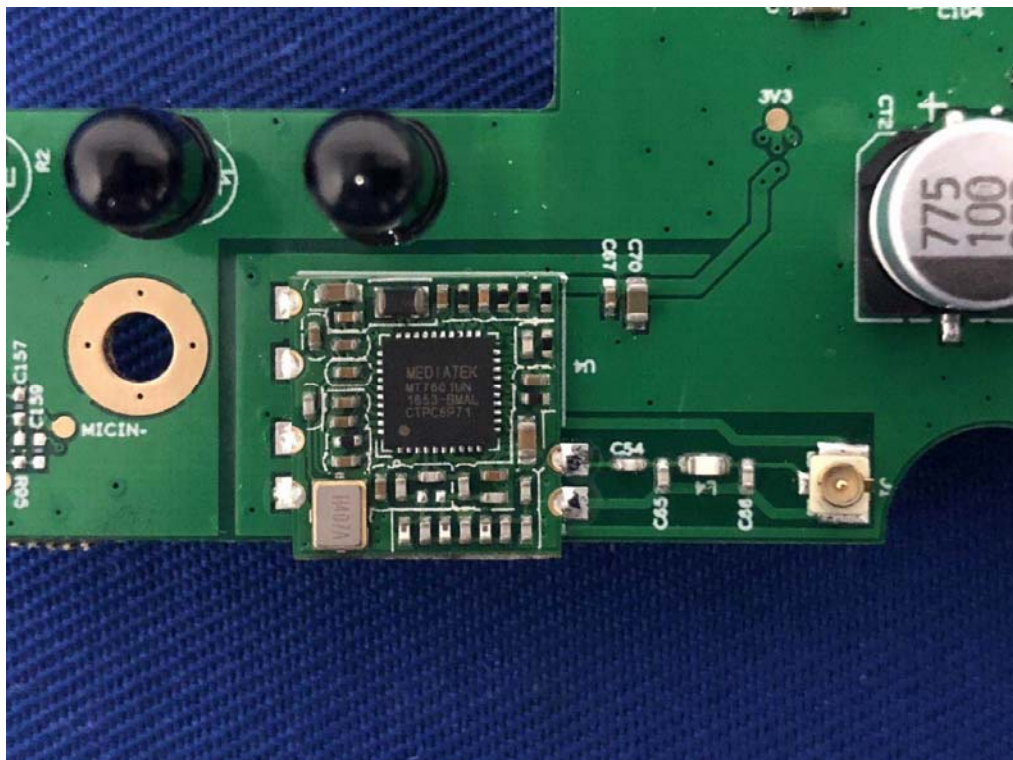
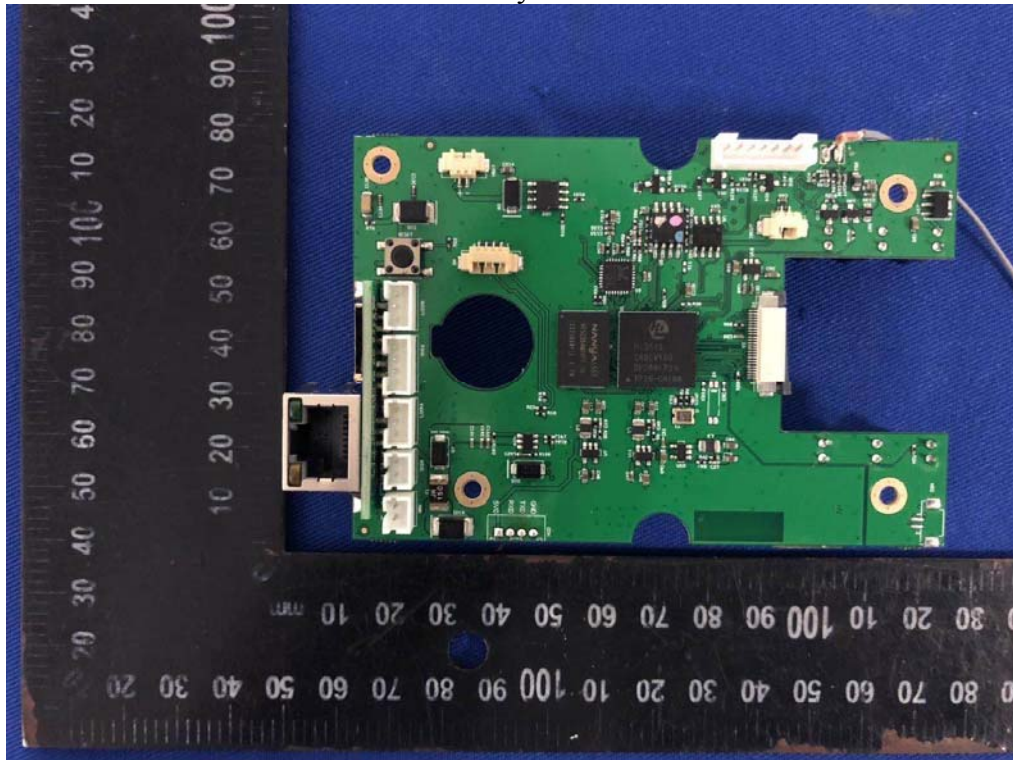




**Internal Photos**  
M/N: MyDoor-B

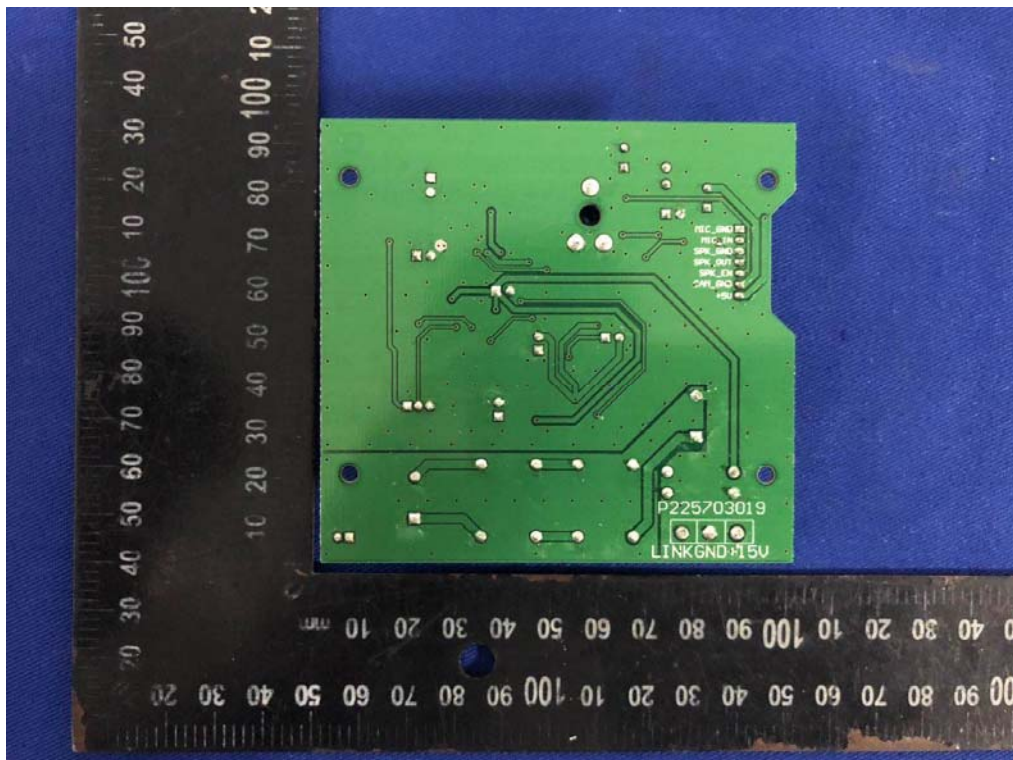
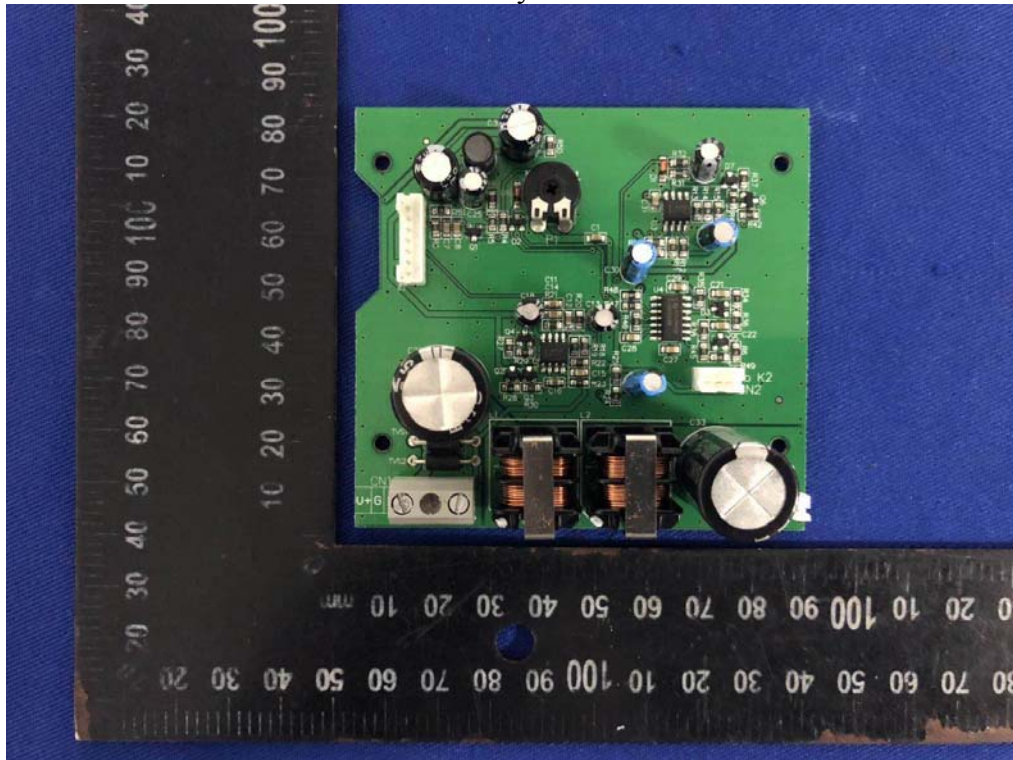


**Internal Photos**  
M/N: MyDoor-B





**Internal Photos**  
M/N: MyDoor-B



**End of Test Report**