FCC Test Report

Client Name	:	ShenZhen JHC Technology Development Co.,Ltd
Address	:	B,3rd Fl,A Block Junxiangda Bldg., Zhongshanyuan Rd. West, Tongle Village,Nanshan District,Shenzhen City,China 518052
Product Name	:	Industrial Waterproof Panel PC
Date	:	Jun. 01, 2021

Shenzhen Anbotek Compliance Laboratory Limited

Contents

TEST REPORT

Applicant	:	ShenZhen JHC Technology Development Co.,Ltd
Manufacturer	:	ShenZhen JHC Technology Development Co.,Ltd
Product Name	:	Industrial Waterproof Panel PC
Model No.	:	WPPC-H1580T-S001；WPPC-H1580T（P）-S001；WPPC-H1580T（P）-T001；WPPC-H1580T-S002；WPPC-H1580T-T002；WPPC-H1580T（P）-S002；WPPC-H1580T（P）-T002；WPPC-H1580T-S003；WPPC-H1580T-T003；WPPC-H1580T（P）-S003；WPPC-H1580T（P）-T003；WPPC-H1580T-S004；WPPC-H1580T-T004；WPPC-H1580T（P）-S004；WPPC-H1580T（P）-T004
Trade Mark	:	JHCTECH
Rating(s)	:	Input: DC 12V, 1.62A ,19.44W
Test Standard(s)	**:**	**FCC Rules and Regulations Part 15 Subpart B: 2020**
Test Method(s)	**:**	**ANSI C63.4-2014**

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited To determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited Is assumed full responsibility for the accuracy and completeness of these measurements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited

Date of Receipt: May 10, 2021

Date of Test: May 10~May 28, 2021

Prepared By: (We Zeng)

Approved & Authorized Signer: (KingKong Jin)

1. General Information

1.1. Client Information

Applicant	:	ShenZhen JHC Technology Development Co.,Ltd
Address	:	B,3rd Fl,A Block Junxiangda Bldg., Zhongshanyuan Rd.West,Tongle Village,Nanshan District,Shenzhen City,China 518052
Manufacturer	:	ShenZhen JHC Technology Development Co.,Ltd
Address	:	B,3rd Fl,A Block Junxiangda Bldg., Zhongshanyuan Rd.West,Tongle Village,Nanshan District,Shenzhen City,China 518052
Factory	:	ShenZhen JHC Technology Development Co.,Ltd
Address	:	B,3rd Fl,A Block Junxiangda Bldg., Zhongshanyuan Rd.West,Tongle Village,Nanshan District,Shenzhen City,China 518052

1.2. Description of Device (EUT)

Product Name	:	Industrial Waterproof Panel PC	
Model No.	:	WPPC-H1580T-S001；WPPC-H1580T（P）-S001；WPPC-H1580T（P）-T001；WPPC-H1580T-S002；WPPC-H1580T-T002；WPPC-H1580T（P）-S002；WPPC-H1580T（P）-T002；WPPC-H1580T-S003；WPPC-H1580T-T003；WPPC-H1580T（P）-S003；WPPC-H1580T（P）-T003；WPPC-H1580T-S004；WPPC-H1580T-T004；WPPC-H1580T（P）-S004；WPPC-H1580T（P）-T004 (Note: All samples are the same except the model number & appearance, so we prepare “WPPC-H1580T-S001” for test only.)	
Trade Mark	:	JHCTECH	
Test Power Supply	:	AC 230V, 50Hz	
Test Sample No.	:	1-1-1	
Product Description	:	Adapter:	N/A
Remark: (1) For a more detailed features description, please refer to the manufacturer’s specifications or the User’s Manual.			

1.3. Auxiliary Equipment Used During Test

MONITOR 1	:	Manufacturer: DELL
		M/N: 43M9 S/N: CN-OHMJ1V-74445-634-DTBL-AO1 Input: 100-240V, 50-60Hz, 1.5A
MONITOR 1	:	Manufacturer: DELL
		M/N: E1914Hf S/N: CN-034H2R-72872-419-AFJB Input:100V-240V, 1.5A, 50/60Hz TUV-GS, FCC, CE, KCC, VCCI

1.4. Description of Test Mode

Pretest Mode	Description
Mode 1	Communication & HDMI output
Mode 2	Communication & VGA output

For Mode 1 and 2 Block Diagram of Test Setup

1.5. Test Summary

Test Items	Test Mode	Status
Power Line Conducted Emission Test (150KHz To 30MHz)	ALL Mode	P
Radiated Emission Test (30MHz To 1000MHz)	ALL Mode	P
P) Indicates “PASS”. N) Indicates “Not applicable”.		

1.6. Test Equipment List

Conducted Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Oct. 26, 2020	1 Year
2.	L.I.S.N. Artificial Mains Network	Schwarzbeck	NSLK 8127	8127386	Oct. 26, 2020	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 26, 2020	1 Year
4.	RF Switching Unit	Compliance	RSU-M2	38303	Oct. 26, 2020	1 Year

		Direction				
5.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A

Radiated Emission (30MHz-1000MHz) Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 26, 2020	1 Year
2.	Pre-amplifier	Schwarzbeck	BBV-9745	9745-075	Oct. 26, 2020	1 Year
3.	Bilog Broadband Antenna	SCHWARZBECK	VULB 9163	01109	Nov. 02, 2020	2 Year
4.	Software Name EZ-EMC	Ferrari Technology	EMEC-3A1	N/A	N/A	N/A

Radiated Emission (1GHz-6GHz) Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	Oct. 26, 2020	1 Year
2.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Nov. 02, 2020	2 Year
3.	Pre-amplifier	SONOMA	310N	186860	Oct. 26, 2020	1 Year
4.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A
5.	Preamplifier	SKET Electronic	BK1G18G30D	KD17503	Oct. 26, 2020	1 Year
6.	Double Ridged Horn Antenna	Instruments corporation	GTH-0118	351600	Nov. 02, 2020	2 Year

1.7. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 4.7 dB (Horizontal)
		Ur = 4.3 dB (Vertical)
Conduction Uncertainty	:	Uc = 3.4 dB
Disturbance Uncertainty	:	Ud = 3.4 dB

1.8. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111, September 30, 2020.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A, September 30, 2020.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.
1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518128

2. Power Line Conducted Emission Test

2.1. Test Standard and Limit

Test Standard	FCC Part 15 Subpart B

Power Line Conducted Emission Measurement Limits (FCC Part 15 Class A)

Test Limit	Frequency (MHz)	At mains terminals (dBμV)	
		Quasi-peak Level	Average Level
	0.15 ~ 0.50	79 *	66 *
	0.50 ~ 30.00	73	60
Remark: (1) The lower limit shall apply at the transition frequencies. (2) * Decreasing linearly with logarithm of frequency.			

2.2. Test Setup

2.3. EUT Configuration on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

2.4. Operating Condition of EUT

2.4.1. Setup the EUT as shown in Section 2.2.

2.4.2. Turn on the power of all equipments.

2.4.3. Let the EUT work in test mode and measure it.

2.5. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of 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 FCC ANSI C63.4-2014 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9KHz.

The frequency range from 150KHz to 30MHz is checked.

All the test results are listed in Section 2.6.

2.6. Test Results

PASS

The test curves are shown in the following pages.

Conducted Emission Test Data

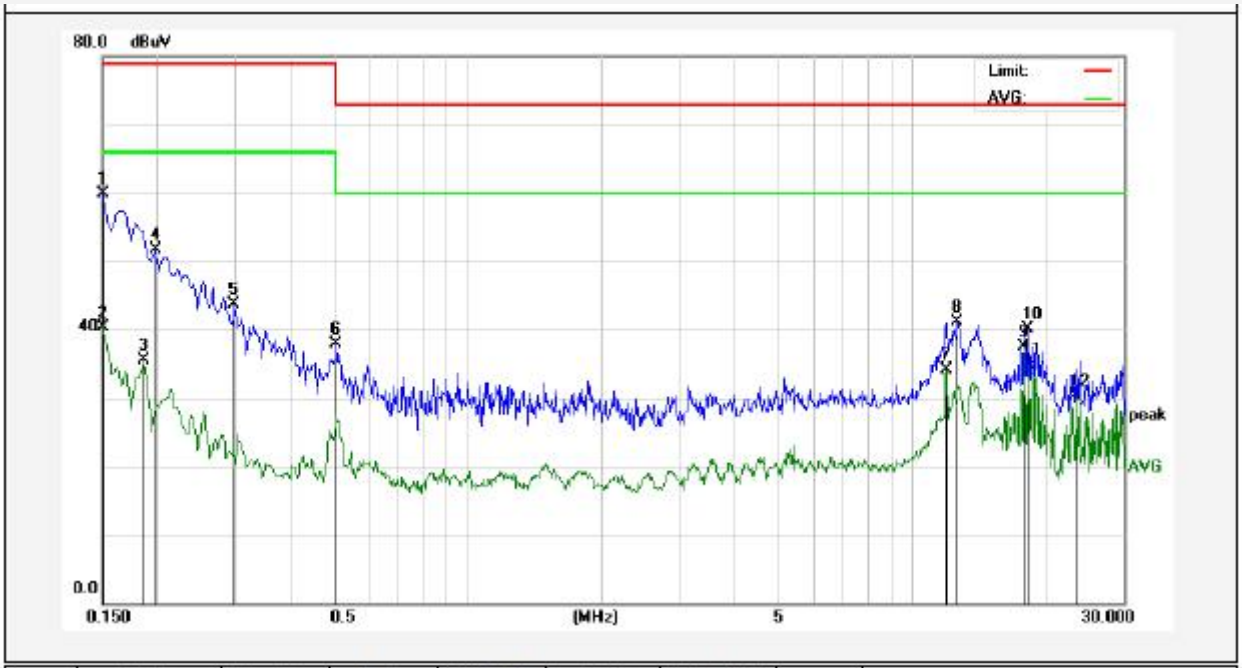
Test Mode: Mode 1

Test Site: 1# Shielded Room

Test Specification: AC 120V, 60Hz

Comment: Live Line

Temp.: 24.5℃ Hum.: 49%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1500	40.05	19.90	59.95	79.00	-19.05	QP	
2	0.1500	20.50	19.90	40.40	66.00	-25.60	AVG	
3	0.1860	15.68	19.90	35.58	66.00	-30.42	AVG	
4	0.1980	31.87	19.90	51.77	79.00	-27.23	QP	
5	0.2980	23.87	19.89	43.76	79.00	-35.24	QP	
6	0.5060	17.99	19.98	37.97	73.00	-35.03	QP	
7	11.9340	13.89	20.31	34.20	60.00	-25.80	AVG	
8	12.6860	20.78	20.30	41.08	73.00	-31.92	QP	
9	17.8980	17.26	20.31	37.57	60.00	-22.43	AVG	
10	18.2620	19.76	20.31	40.07	73.00	-32.93	QP	
11	18.2620	14.65	20.31	34.96	60.00	-25.04	AVG	
12	23.4460	10.08	20.30	30.38	60.00	-29.62	AVG	

Note: Result=Reading+Factor Over Limit=Result-Limit

Conducted Emission Test Data

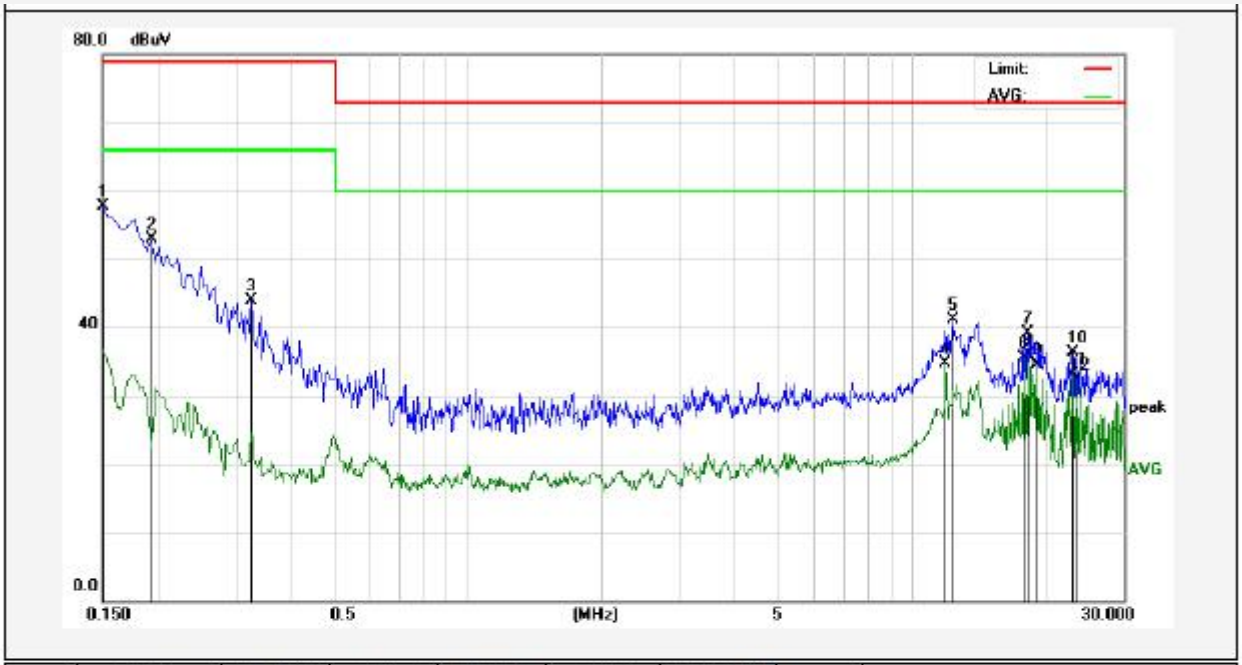
Test Mode: Mode 1

Test Site: 1# Shielded Room

Test Specification: AC 120V, 60Hz

Comment: Neutral Line

Temp.: 24.5℃ Hum.: 49%

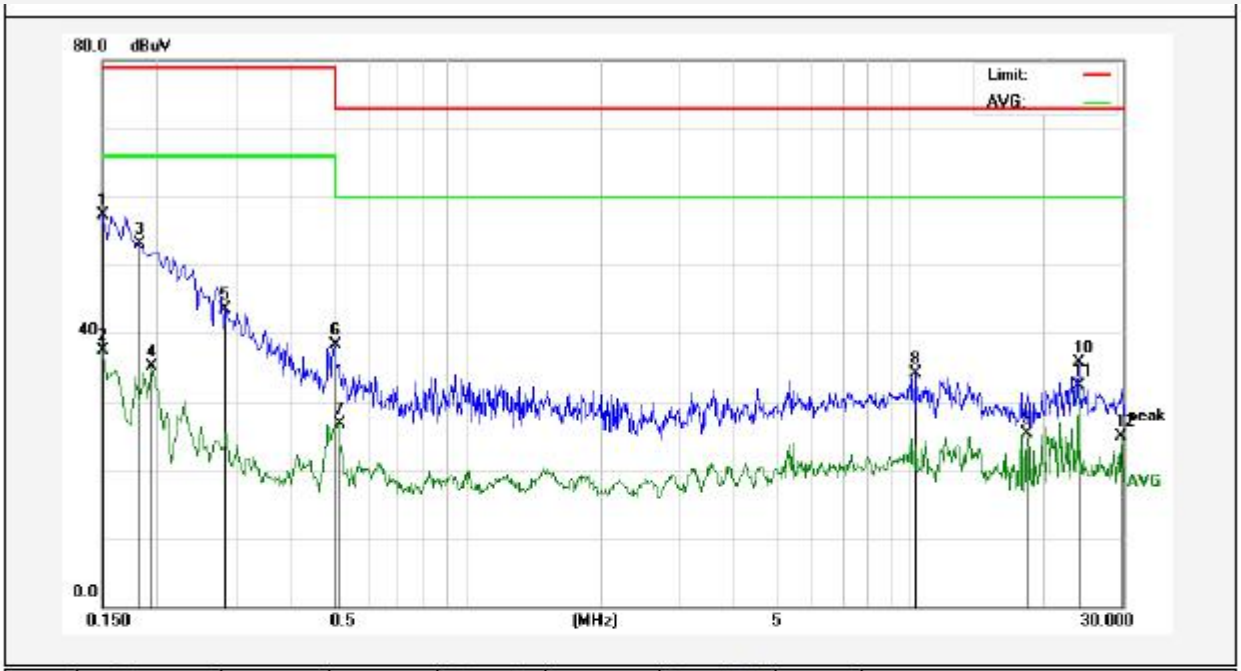


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1500	37.84	19.90	57.74	79.00	-21.26	QP	
2	0.1940	33.08	19.90	52.98	79.00	-26.02	QP	
3	0.3260	23.94	19.90	43.84	79.00	-35.16	QP	
4	11.9300	14.41	20.31	34.72	60.00	-25.28	AVG	
5	12.3300	20.75	20.30	41.05	73.00	-31.95	QP	
6	17.8980	15.26	20.31	35.57	60.00	-24.43	AVG	
7	18.2380	18.80	20.31	39.11	73.00	-33.89	QP	
8	18.2380	15.50	20.31	35.81	60.00	-24.19	AVG	
9	19.1940	14.18	20.33	34.51	60.00	-25.49	AVG	
10	23.0340	15.94	20.30	36.24	73.00	-36.76	QP	
11	23.0340	12.71	20.30	33.01	60.00	-26.99	AVG	
12	23.4180	11.95	20.30	32.25	60.00	-27.75	AVG	

Note: Result=Reading+Factor Over Limit=Result-Limit

Conducted Emission Test Data

Test Mode:	Mode 2
Test Site:	1# Shielded Room
Test Specification:	AC 120V, 60Hz
Comment:	Live Line
	Temp.: 24.5℃ Hum.: 49%

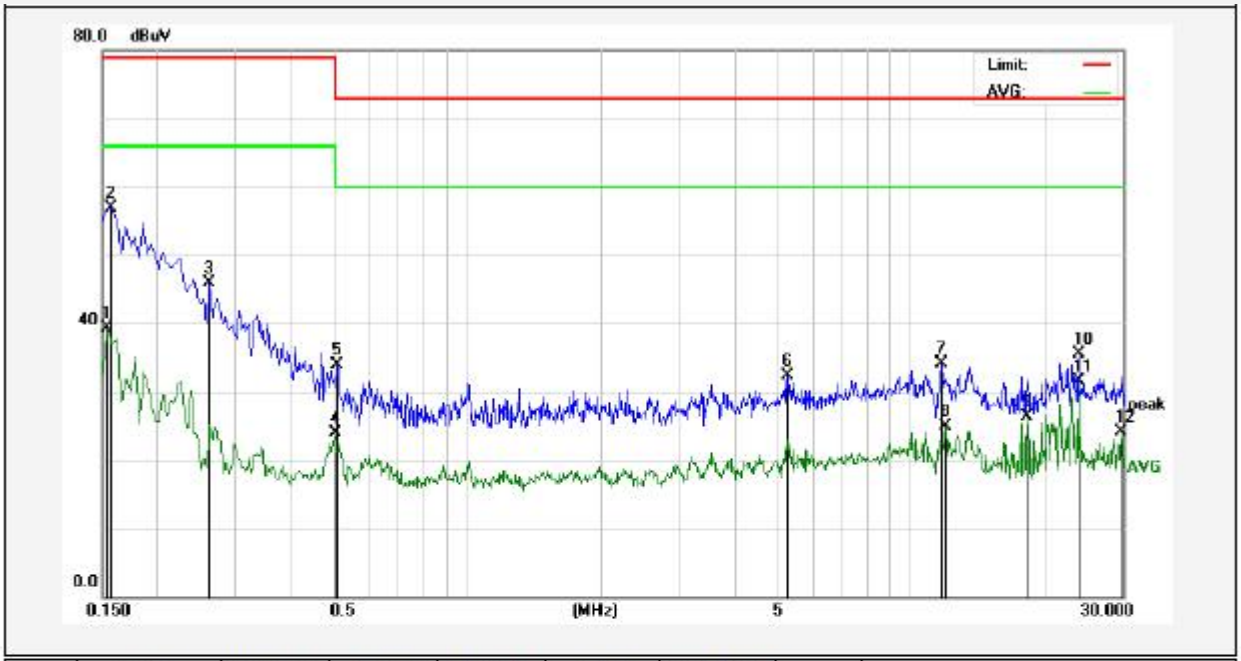


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1500	37.43	19.90	57.33	79.00	-21.67	QP	
2	0.1500	17.54	19.90	37.44	66.00	-28.56	AVG	
3	0.1819	33.12	19.90	53.02	79.00	-25.98	QP	
4	0.1940	15.28	19.90	35.18	66.00	-30.82	AVG	
5	0.2860	23.71	19.89	43.60	79.00	-35.40	QP	
6	0.5020	18.41	19.98	38.39	73.00	-34.61	QP	
7	0.5140	6.72	19.98	26.70	60.00	-33.30	AVG	
8	10.2460	13.85	20.34	34.19	73.00	-38.81	QP	
9	18.2420	4.97	20.31	25.28	60.00	-34.72	AVG	
10	23.8740	15.41	20.29	35.70	73.00	-37.30	QP	
11	23.8740	11.96	20.29	32.25	60.00	-27.75	AVG	
12	29.8380	4.73	20.27	25.00	60.00	-35.00	AVG	

Note: **Result=Reading+Factor** **Over Limit=Result-Limit**

Conducted Emission Test Data

Test Mode:	Mode 2
Test Site:	1# Shielded Room
Test Specification:	AC 120V, 60Hz
Comment:	Neutral Line
	Temp.: 24.5℃ Hum.: 49%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1539	19.38	19.90	39.28	66.00	-26.72	AVG	
2	0.1580	37.03	19.90	56.93	79.00	-22.07	QP	
3	0.2620	26.08	19.89	45.97	79.00	-33.03	QP	
4	0.5020	3.91	19.98	23.89	60.00	-36.11	AVG	
5	0.5100	13.96	19.98	33.94	73.00	-39.06	QP	
6	5.2740	12.08	20.21	32.29	73.00	-40.71	QP	
7	11.7340	13.75	20.31	34.06	73.00	-38.94	QP	
8	11.9340	4.50	20.31	24.81	60.00	-35.19	AVG	
9	18.2420	5.90	20.31	26.21	60.00	-33.79	AVG	
10	23.8740	15.13	20.29	35.42	73.00	-37.58	QP	
11	23.8740	11.19	20.29	31.48	60.00	-28.52	AVG	
12	29.8380	3.84	20.27	24.11	60.00	-35.89	AVG	

Note: Result=Reading+Factor Over Limit=Result-Limit

3. Radiated Emission Test

3.1. Test Standard and Limit

Test Standard	FCC Part 15 Subpart B

Radiated Emission Test Limit (Subpart B Class A)

30~1000 MHz				
Test Limit	Frequency (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMIT	
			μV/m	(dBμV/m)
	30 ~ 88	3	300	49.5
	88 ~ 216	3	500	54.0
	216 ~ 960	3	700	56.9
	960 ~ 1000	3	1000	60.0
1~6 GHz				
Test Limit	Frequency (GHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMIT	
			Average (μV/m)	Peak (dBμV/m)
	1 ~ 6	3	59.5	79.5

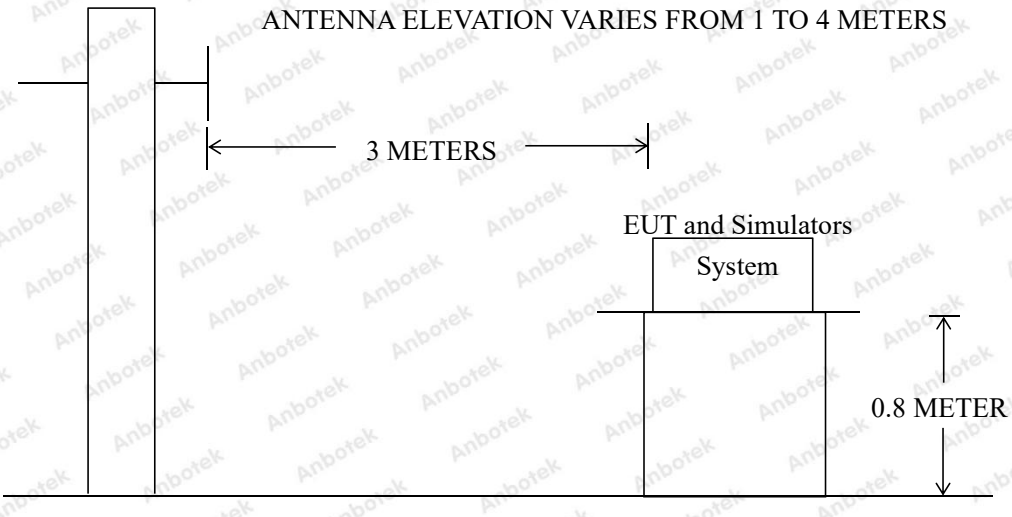
Remark: (1) Emission level (dB)μV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

(4) 3M Limit=10M Limit+k k=20log(D1/D2)=10
3M Limit=10M Limit +10
(D1= 10M D2=3M)

3.2. Test Setup



3.3. EUT Configuration on Measurement

The following equipments are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

3.4. Operating Condition of EUT

3.4.1. Setup the EUT as shown in Section 3.2.

3.4.2. Turn on the power of all equipments.

3.4.3. Let the EUT work in test mode and measure it.

3.5. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (Trilog Broadband Antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2014 on radiated emission measurement.

The bandwidth of the EMI test receiver (ESCI) is set at 120kHz.

The frequency range from 30MHz to 1000MHz is checked.

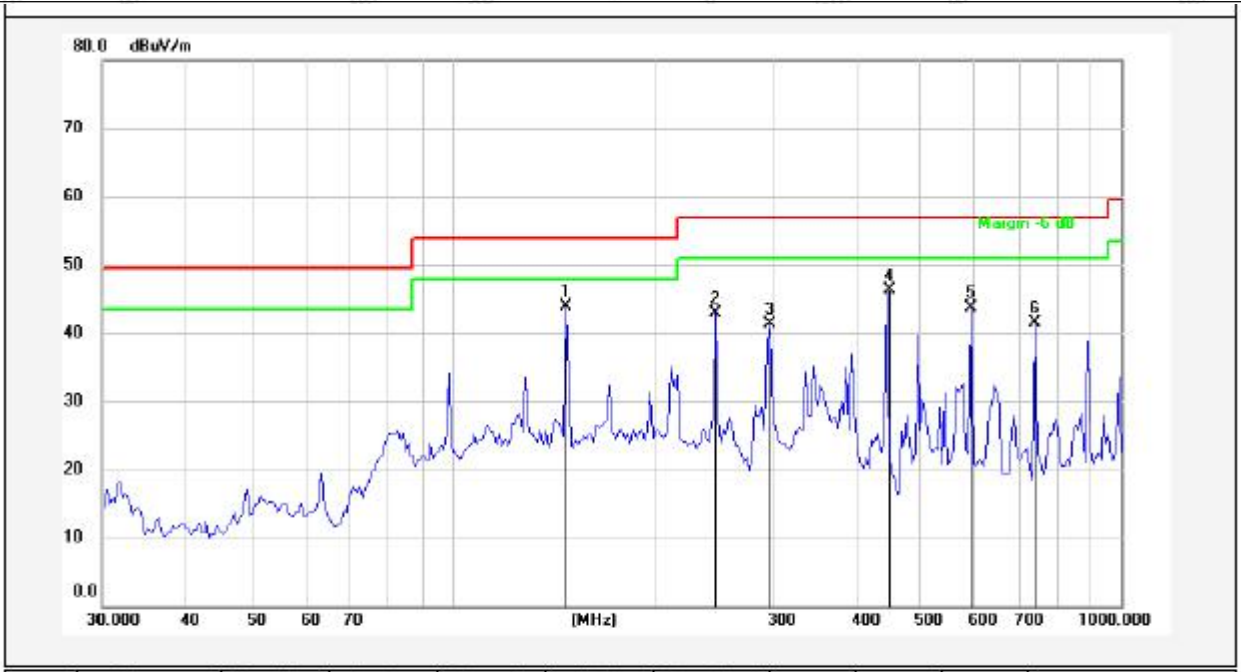
The test results are listed in Section 3.6.

3.6. Test Results

PASS

The test curves are shown in the following pages.

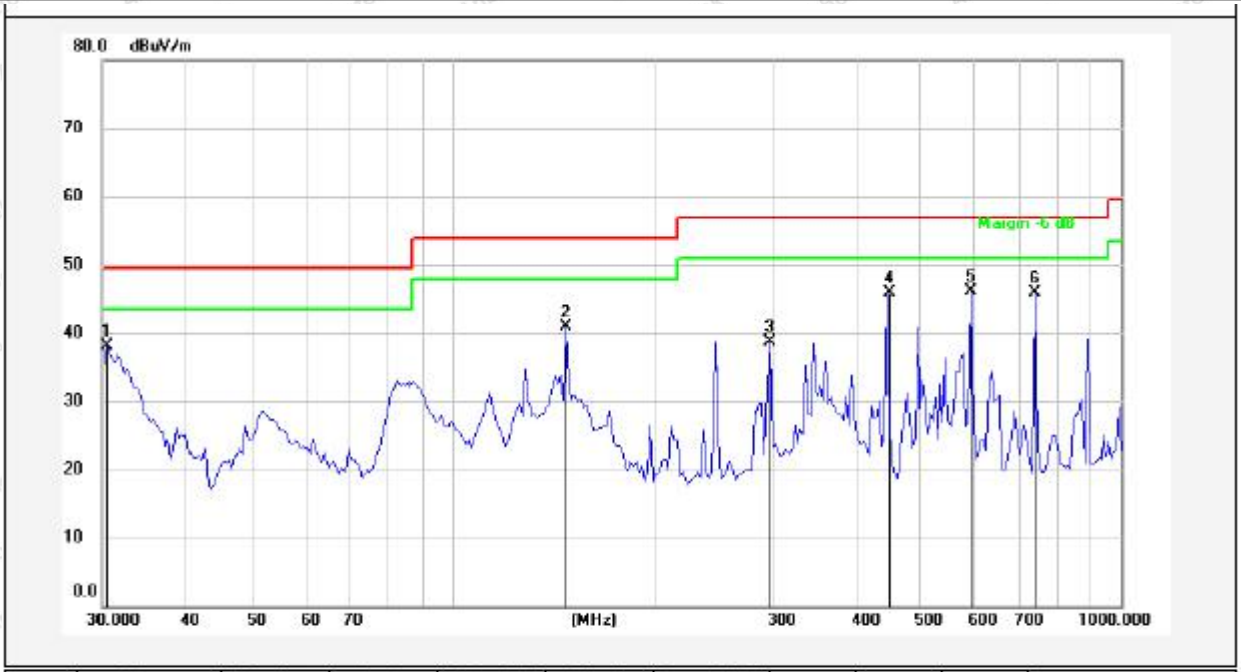
Test item:	**Radiation Test**	**Polarization:**	**Horizontal**
Standard:	**(RE)FCC Part 15 Subpart B**	**Power Source:**	**AC 120V/60Hz**
Distance:	**3m**	**Temp.(℃)/Hum.(%RH):**	**22.4(℃)/49%RH**
Test Mode:	**Mode 1**		



No.	Freq. (MHz)	Reading (dBuV)	Factor ()	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	147.9214	64.21	-20.37	43.84	54.00	-10.16	peak			
2	248.1165	59.03	-16.20	42.83	56.90	-14.07	peak			
3	298.2681	58.40	-17.12	41.28	56.90	-15.62	peak			
4	446.4141	61.04	-14.69	46.35	56.90	-10.55	peak			
5	596.1772	55.90	-12.19	43.71	56.90	-13.19	peak			
6	742.2587	51.94	-10.35	41.59	56.90	-15.31	peak			

Note: Result=Reading+Factor Over Limit=Result-Limit

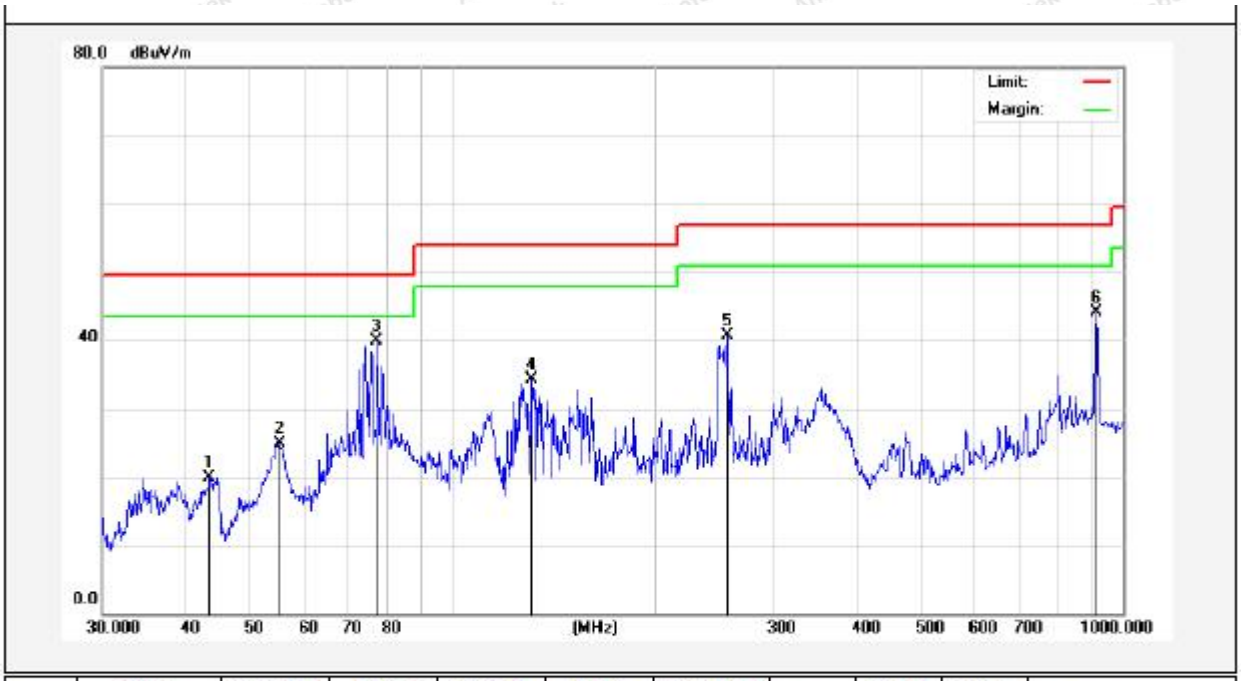
Test item:	**Radiation Test**	**Polarization:**	**Vertical**
Standard:	**(RE)FCC Part 15 Subpart B**	**Power Source:**	**AC 120V/60Hz**
Distance:	**3m**	**Temp.(℃)/Hum.(%RH):**	**22.4(℃)/49%RH**
Test Mode:	**Mode 1**		



No.	Freq. (MHz)	Reading (dBuV)	Factor ()	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	30.5306	55.02	-16.82	38.20	49.50	-11.30	peak			
2	147.9214	61.34	-20.37	40.97	54.00	-13.03	peak			
3	298.2681	55.92	-17.12	38.80	56.90	-18.10	peak			
4	446.4141	60.56	-14.69	45.87	56.90	-11.03	peak			
5	596.1772	58.33	-12.19	46.14	56.90	-10.76	peak			
6	742.2587	56.26	-10.35	45.91	56.90	-10.99	peak			

Note: **Result=Reading+Factor Over Limit=Result-Limit**

Test item:	**Radiation Test**	**Polarization:**	**Horizontal**
Standard:	**(RE)FCC Part 15 Subpart B**	**Power Source:**	**AC 120V/60Hz**
Distance:	**3m**	**Temp.(℃)/Hum.(%RH):**	**23.5(℃)/47%RH**
Test Mode:	**Mode 2**		



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	43.3534	34.48	-14.52	19.96	49.50	-29.54	peak			
2	55.2207	41.46	-16.51	24.95	49.50	-24.55	peak			
3	77.0505	60.93	-20.99	39.94	49.50	-9.56	peak			
4	131.2965	54.73	-20.50	34.23	54.00	-19.77	peak			
5	256.5211	59.03	-18.25	40.78	56.90	-16.12	peak			
6	912.8620	45.68	-1.48	44.20	56.90	-12.70	peak			

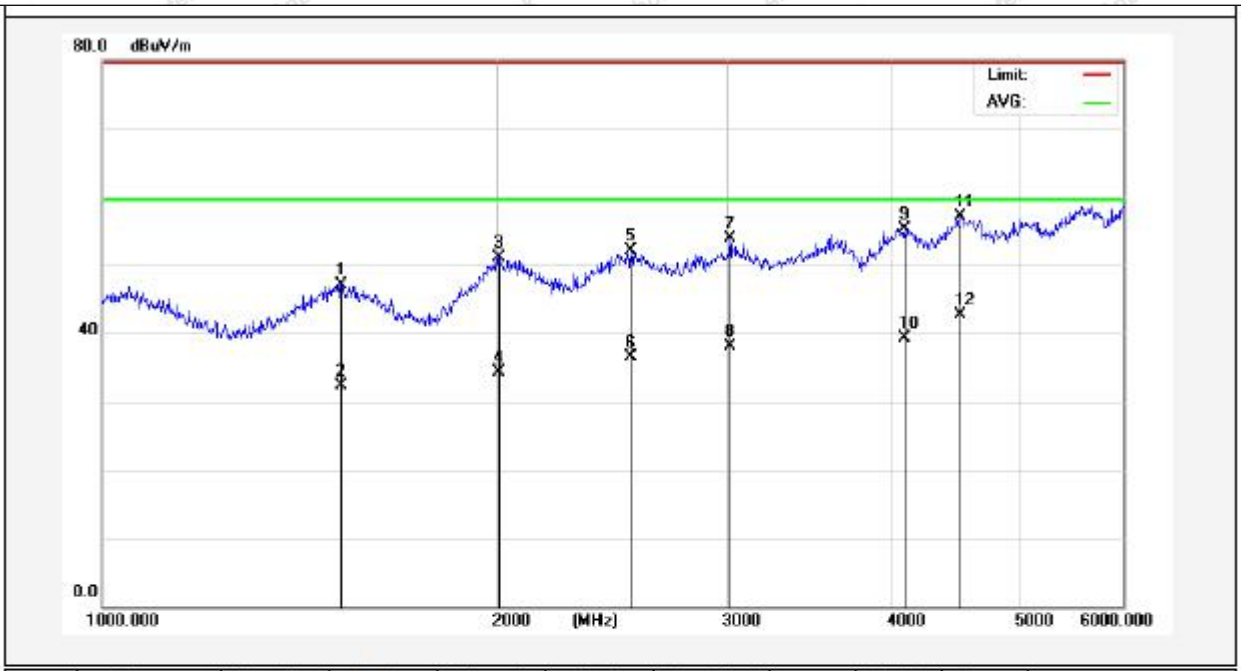
Note: **Result=Reading+Factor Over Limit=Result-Limit**

Test item:	**Radiation Test**	**Polarization:**	**Vertical**
Standard:	**(RE)FCC Part 15 Subpart B**	**Power Source:**	**AC 120V/60Hz**
Distance:	**3m**	**Temp.(℃)/Hum.(%RH):**	**23.5(℃)/47%RH**
Test Mode:	**Mode 2**		

No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	52.7600	54.56	-15.78	38.78	49.50	-10.72	peak			
2	84.7019	57.07	-16.88	40.19	49.50	-9.31	peak			
3	112.9196	54.15	-16.72	37.43	54.00	-16.57	peak			
4	129.0146	55.38	-19.26	36.12	54.00	-17.88	peak			
5	149.4857	58.75	-19.91	38.84	54.00	-15.16	peak			
6	912.8620	41.86	-1.48	40.38	56.90	-16.52	peak			

Note: Result=Reading+Factor Over Limit=Result-Limit

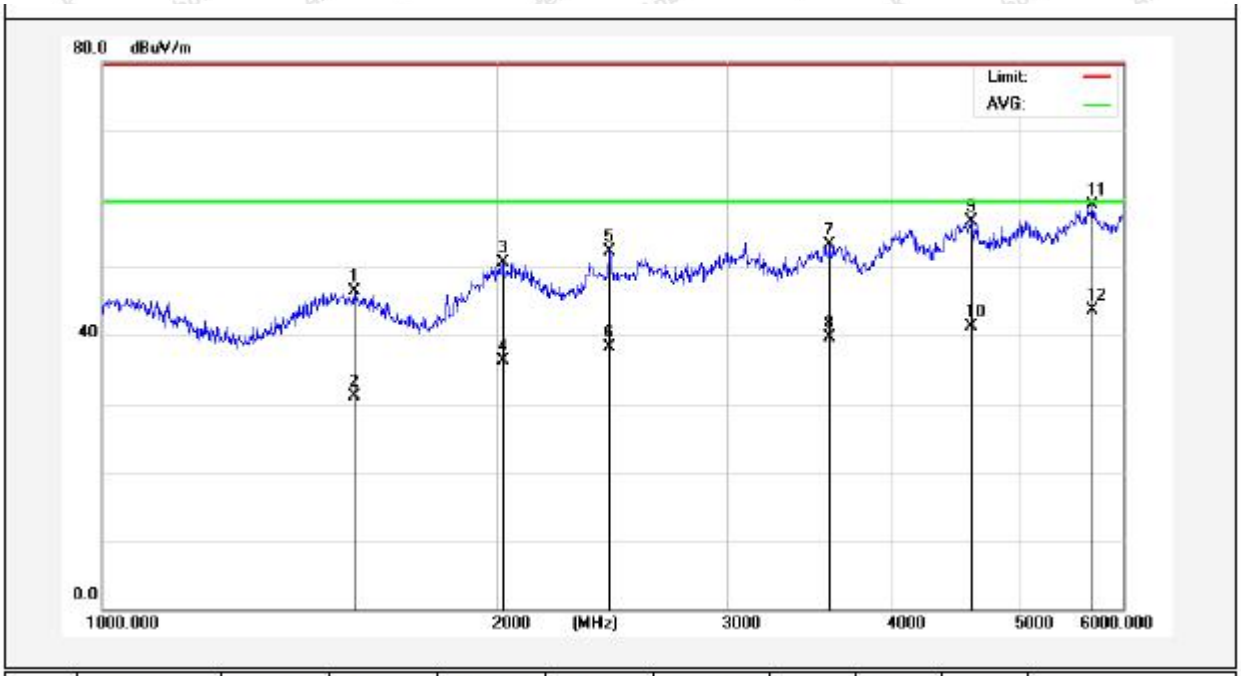
Test item:	**Radiation Test**	**Polarization:**	**Horizontal**
Standard:	**(RE)FCC Part 15 Subpart B （1GHz-6GHz）**	**Power Source:**	**AC 120V/60Hz**
Distance:	**3m**	**Temp.(℃)/Hum.(%RH):**	**23.5(℃)/47%RH**
Test Mode：	**Mode 2**		



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	1520.853	42.35	4.85	47.20	79.50	-32.30	peak			
2	1520.853	27.39	4.85	32.24	59.50	-27.26	AVG			
3	2004.115	42.00	9.01	51.01	79.50	-28.49	peak			
4	2004.115	25.26	9.01	34.27	59.50	-25.23	AVG			
5	2529.778	41.99	10.05	52.04	79.50	-27.46	peak			
6	2529.778	26.47	10.05	36.52	59.50	-22.98	AVG			
7	3009.976	42.02	11.81	53.83	79.50	-25.67	peak			
8	3009.976	26.26	11.81	38.07	59.50	-21.43	AVG			
9	4089.092	42.26	13.04	55.30	79.50	-24.20	peak			
10	4089.092	26.17	13.04	39.21	59.50	-20.29	AVG			
11	4512.583	42.49	14.69	57.18	79.50	-22.32	peak			
12	4512.583	27.93	14.69	42.62	59.50	-16.88	AVG			

Note: **Result=Reading+Factor Over Limit=Result-Limit**

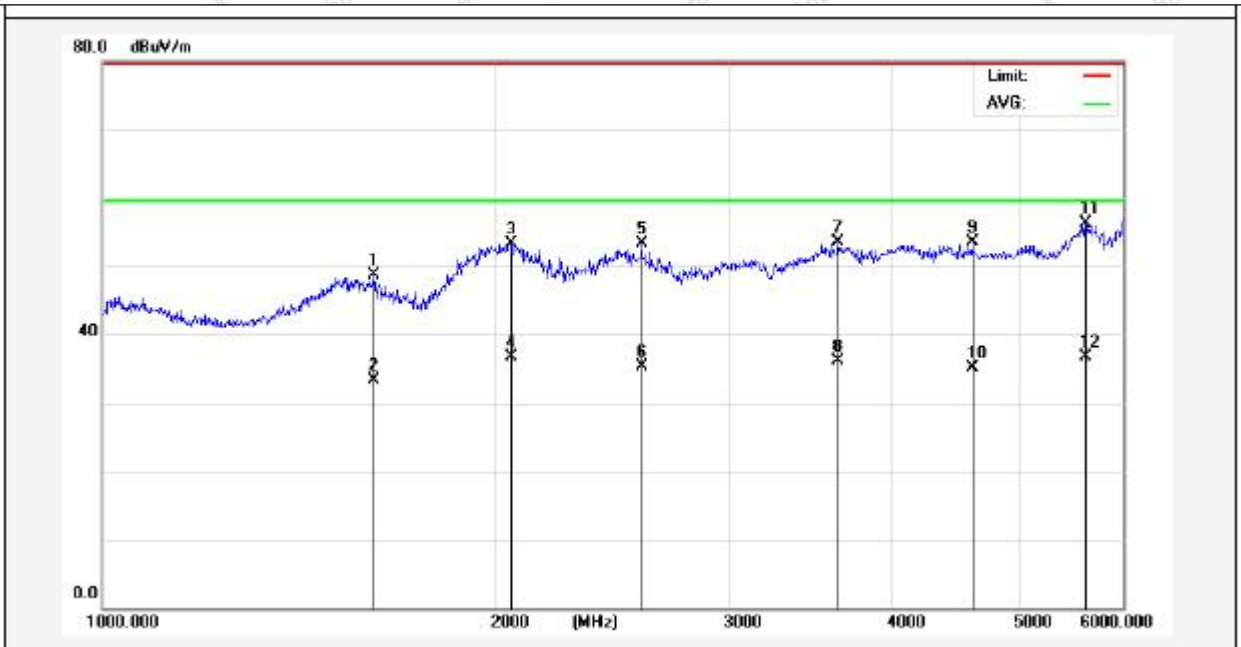
Test item:	**Radiation Test**	**Polarization:**	**Vertical**
Standard:	**(RE)FCC Part 15 Subpart B（1GHz-6GHz）**	**Power Source:**	**AC 120V/60Hz**
Distance:	**3m**	**Temp.(℃)/Hum.(%RH):**	**23.5(℃)/47%RH**
Test Mode：	**Mode 2**		



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	1556.694	41.40	5.16	46.56	79.50	-32.94	peak			
2	1556.694	26.04	5.16	31.20	59.50	-28.30	AVG			
3	2018.530	41.75	9.04	50.79	79.50	-28.71	peak			
4	2018.530	27.23	9.04	36.27	59.50	-23.23	AVG			
5	2431.997	42.41	9.80	52.21	79.50	-27.29	peak			
6	2431.997	28.46	9.80	38.26	59.50	-21.24	AVG			
7	3587.747	40.86	12.46	53.32	79.50	-26.18	peak			
8	3587.747	27.18	12.46	39.64	59.50	-19.86	AVG			
9	4594.166	41.87	14.85	56.72	79.50	-22.78	peak			
10	4594.166	26.39	14.85	41.24	59.50	-18.26	AVG			
11	5685.998	42.14	17.00	59.14	79.50	-20.36	peak			
12	5685.998	26.70	17.00	43.70	59.50	-15.80	AVG			

Note: **Result=Reading+Factor** **Over Limit=Result-Limit**

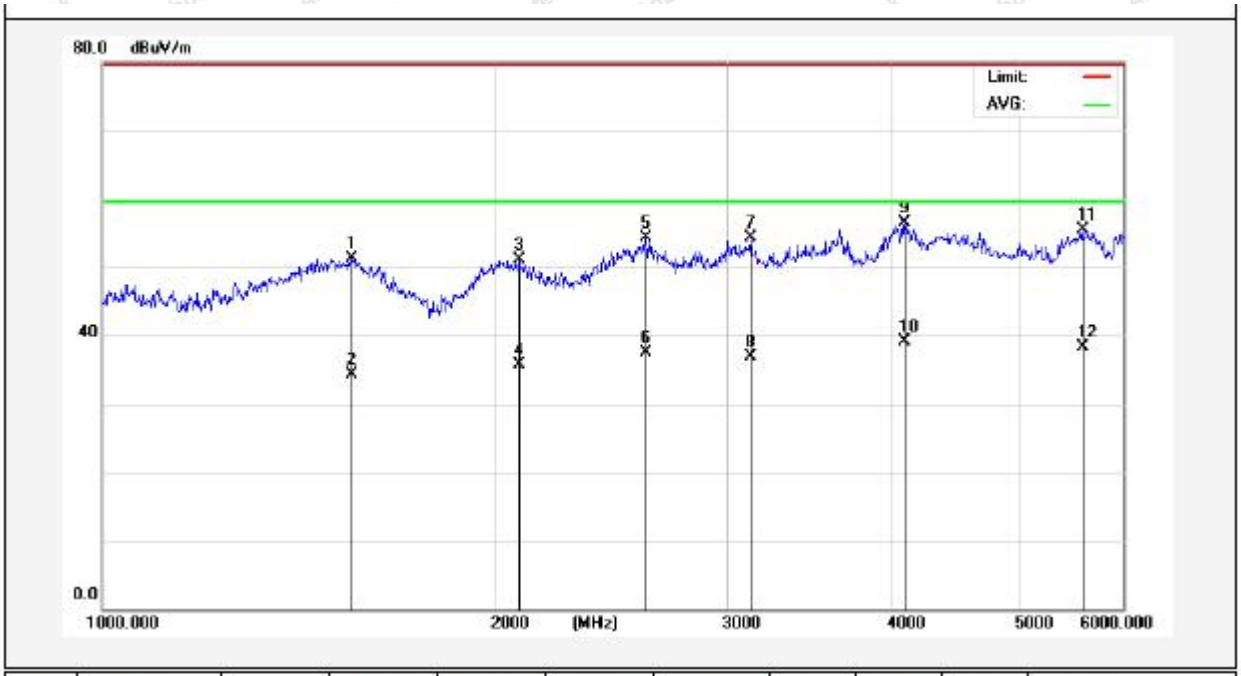
Test item:	**Radiation Test**	**Polarization:**	**Horizontal**
Standard:	**(RE)FCC Part 15 Subpart B （1GHz-6GHz）**	**Power Source:**	**AC 120V/60Hz**
Distance:	**3m**	**Temp.(℃)/Hum.(%RH):**	**23.5(℃)/47%RH**
Test Mode：	**Mode 1**		



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	1610.602	43.06	5.63	48.69	79.50	-30.81	peak			
2	1610.602	27.60	5.63	33.23	59.50	-26.27	AVG			
3	2047.672	44.16	9.09	53.25	79.50	-26.25	peak			
4	2047.672	27.63	9.09	36.72	59.50	-22.78	AVG			
5	2575.514	43.08	10.22	53.30	79.50	-26.20	peak			
6	2575.514	25.07	10.22	35.29	59.50	-24.21	AVG			
7	3633.029	41.02	12.48	53.50	79.50	-26.00	peak			
8	3633.029	23.53	12.48	36.01	59.50	-23.49	AVG			
9	4602.405	38.55	14.87	53.42	79.50	-26.08	peak			
10	4602.405	20.33	14.87	35.20	59.50	-24.30	AVG			
11	5615.128	39.48	16.91	56.39	79.50	-23.11	peak			
12	5615.128	19.78	16.91	36.69	59.50	-22.81	AVG			

Note: **Result=Reading+Factor** **Over Limit=Result-Limit**

Test item:	**Radiation Test**	**Polarization:**	**Vertical**
Standard:	**(RE)FCC Part 15 Subpart B（1GHz-6GHz）**	**Power Source:**	**AC 120V/60Hz**
Distance:	**3m**	**Temp.(℃)/Hum.(%RH):**	**23.5(℃)/47%RH**
Test Mode：	**Mode 1**		



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	1551.126	46.25	5.11	51.36	79.50	-28.14	peak			
2	1551.126	29.18	5.11	34.29	59.50	-25.21	AVG			
3	2077.235	41.95	9.14	51.09	79.50	-28.41	peak			
4	2077.235	26.48	9.14	35.62	59.50	-23.88	AVG			
5	2598.691	43.97	10.31	54.28	79.50	-25.22	peak			
6	2598.691	27.23	10.31	37.54	59.50	-21.96	AVG			
7	3119.795	42.35	11.95	54.30	79.50	-25.20	peak			
8	3119.795	25.01	11.95	36.96	59.50	-22.54	AVG			
9	4089.092	43.42	13.04	56.46	79.50	-23.04	peak			
10	4089.092	26.09	13.04	39.13	59.50	-20.37	AVG			
11	5585.026	38.73	16.87	55.60	79.50	-23.90	peak			
12	5585.026	21.37	16.87	38.24	59.50	-21.26	AVG			

Note: **Result=Reading+Factor** **Over Limit=Result-Limit**

APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of Power Line Conducted Emission Test

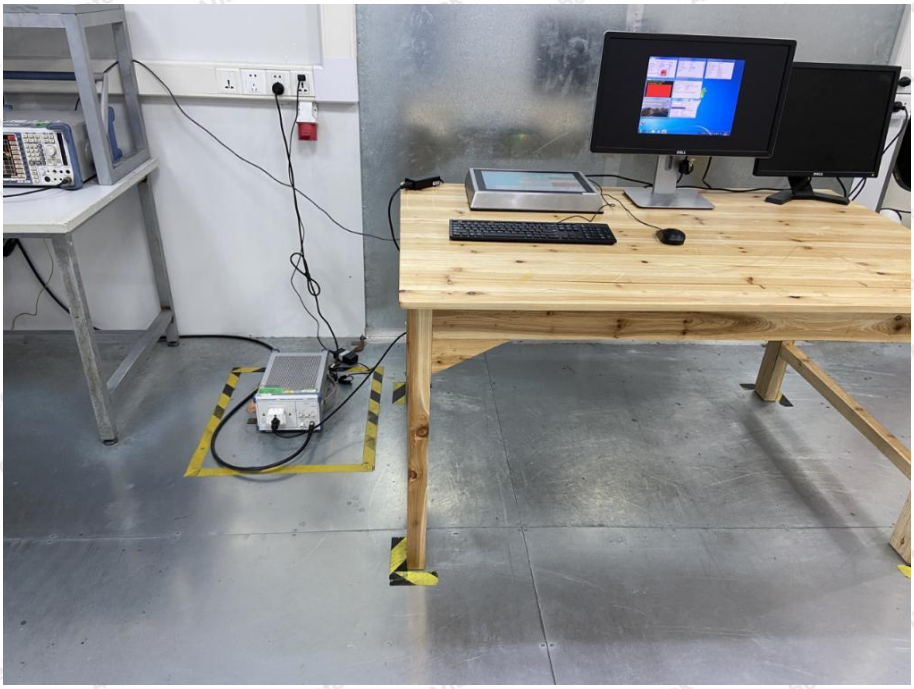


Photo of Radiated Emission Test(30MHz-1GHz)

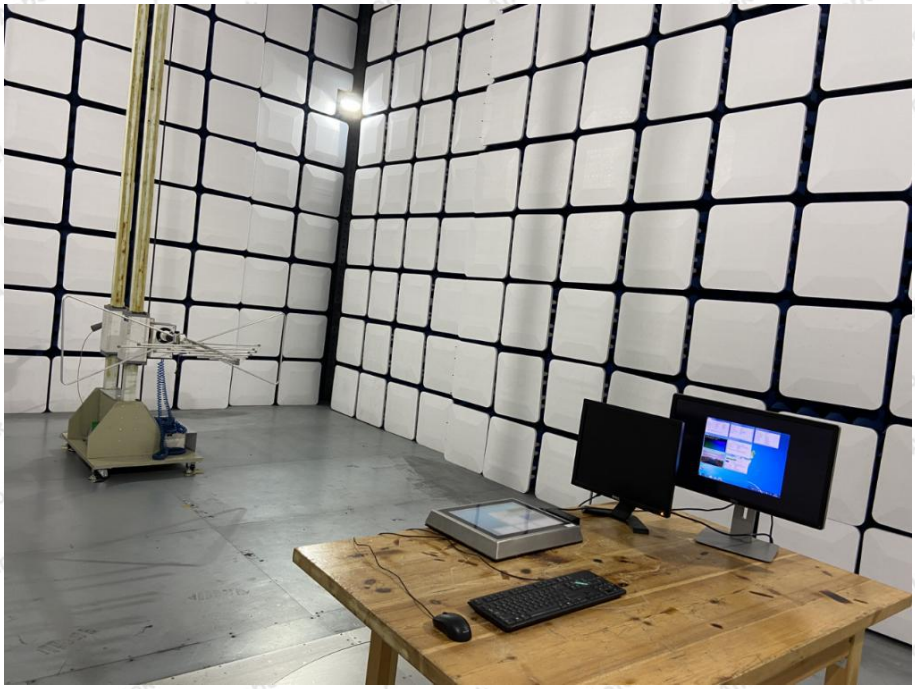
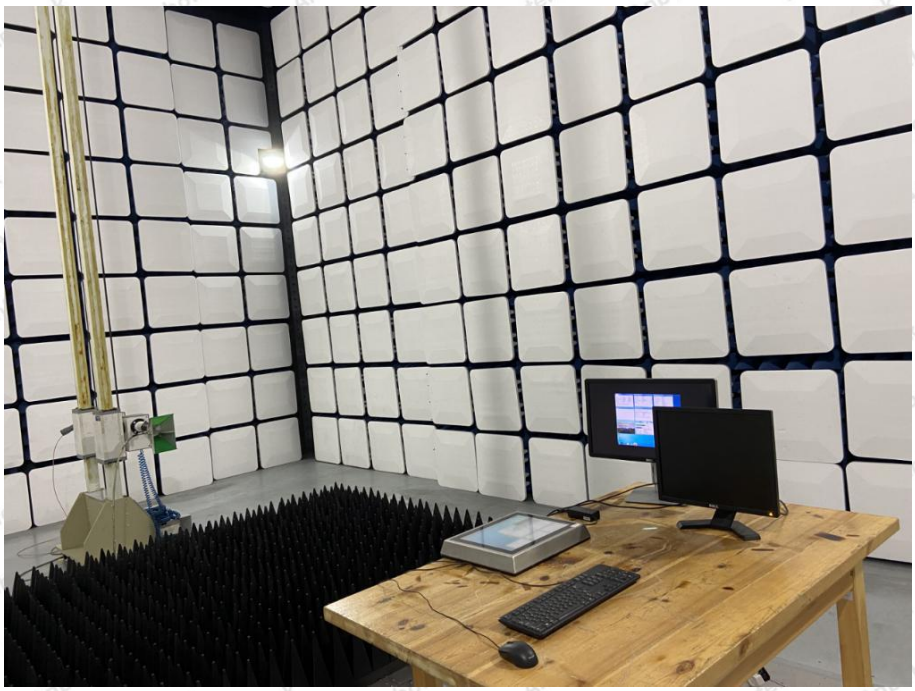
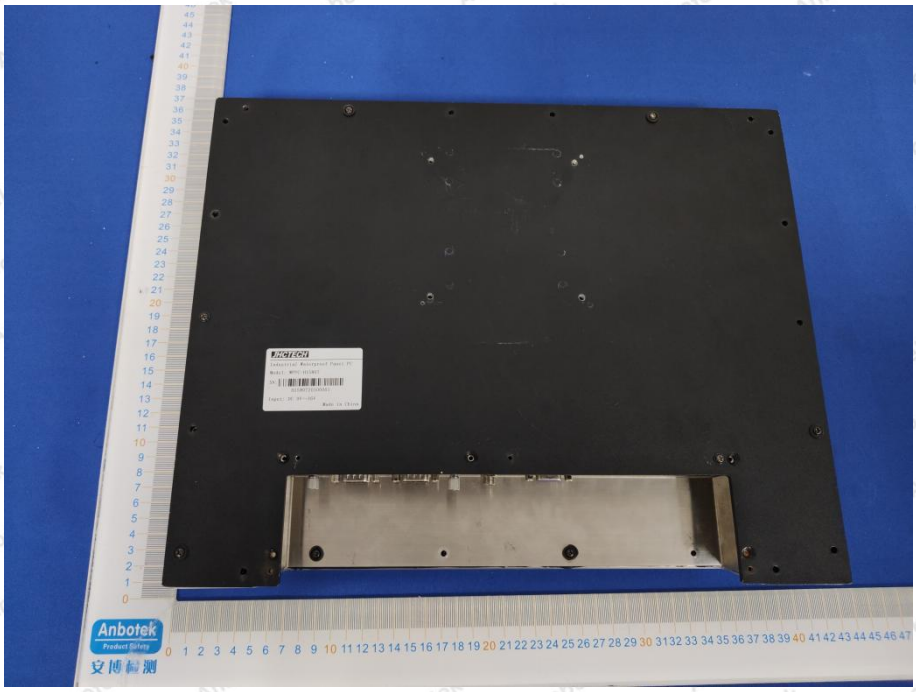
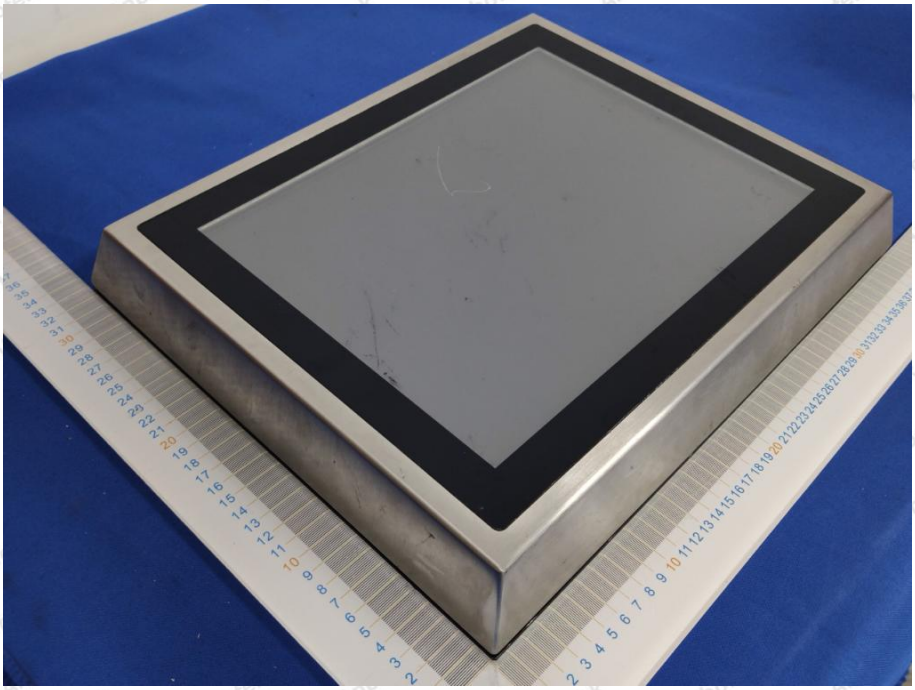


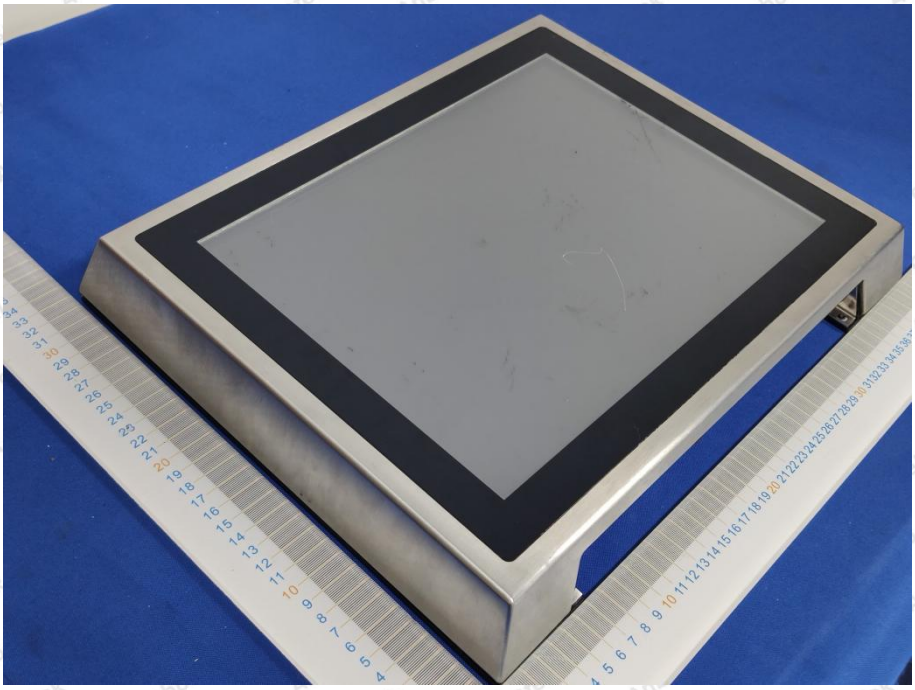
Photo of Radiated Emission Test(1GHz-6GHz)



APPENDIX II -- EXTERNAL PHOTOGRAPH



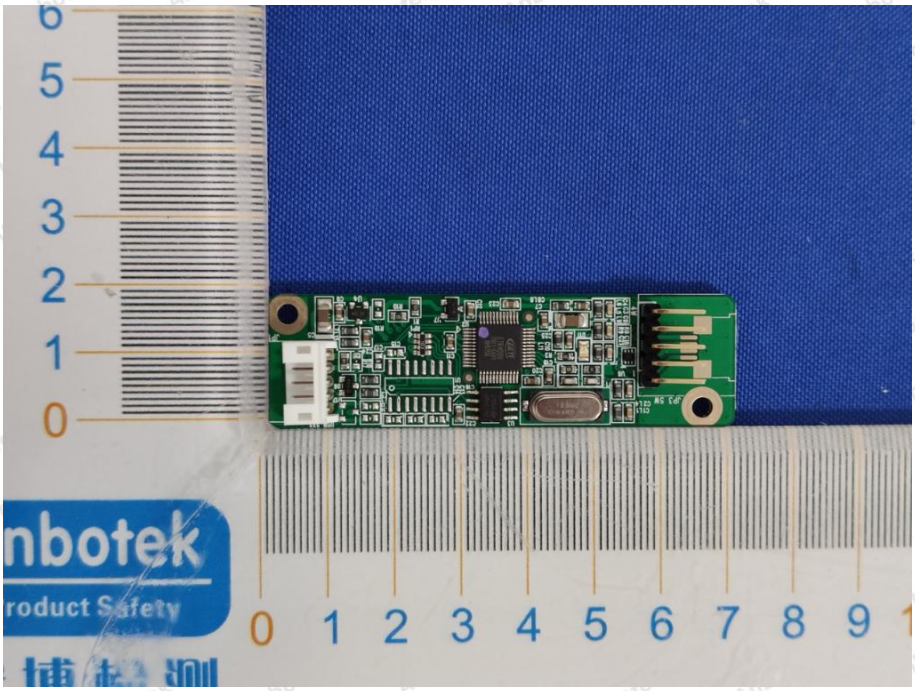


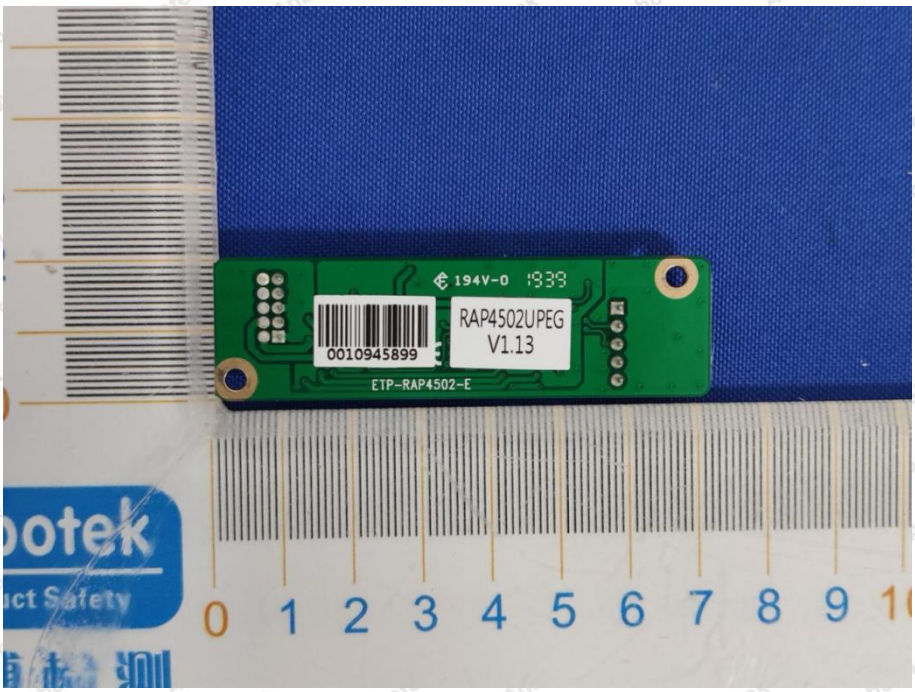



HDD
COM1
COM2
ANT
DC 9-36V
HDMI


VGA
LAN1
LAN2
USB
ATX
AT
H---M---L
CPU Temp
HDD
USB

APPENDIX III -- INTERNAL PHOTOGRAPH





---------- End of Report ----------