FCC TEST REPORT

Applicant:	SHENZHEN Magic Chip TECHNOLOGY CO.,LTD
Address of Applicant:	5E, JinDa City, Central Road, Xinqiao Street, Baoan District, Shenzhen City, China 518125
Manufacturer/Factory:	SHENZHEN Magic Chip TECHNOLOGY CO.,LTD
Address of Manufacturer/Factory:	5E, JinDa City, Central Road, Xinqiao Street, Baoan District, Shenzhen City, China 518125

Equipment Under Test (EUT)

Product Name:	MINI PC
Model No.:	MCIPC8, MCIPC, MCIPCA, MCIPCB, MCIPCD, MCIPCE, MCTPC, MCMQ, MCSR, MCNAS12, MCNAS14, MCNAS11, MCAIPC1, MCAIPC2, MCAIPC, MCN5, MCMQ12, MCMQ13, MCMQR, MCMQ, MCVX4, MCNUC, MCNASPC，MCNAS
Trade Mark:	N/A
Rating:	AC Adapter Model: A364-1203000I Input: AC 100-240V~, 50/60Hz, 1.5A Output: DC 12V, 3A, 36W
Applicable standards:	CFR47, FCC Part 15 Subpart B, ANSI C63.4:2014
Date of sample receipt:	Sep.16, 2026
Date of Test:	Sep.16, 2026 to Sep.22, 2026
Date of report issued:	Sep.22, 2026
Test Result :	PASS *

General disclaimer:

The test results presented in this report relate only to the object tested.

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* In the configuration tested, the EUT complied with the standards specified above.

2 Version

Version No.	Date	Description
00	Sep.22, 2026	Original

Test by: Glen Su **Date:** Sep.22, 2026

Test Engineer

Prepared by: Clive Cheng **Date:** Sep.22, 2026

Project Engineer

Reviewed by: Alice zhang **Date:** Sep.22, 2026

Reviewer

SHENZHEN HYCERT CO., LTD. HYC

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4 Test Summary

Test item	Test Standard	Result
Radiated Emission	FCC PART 15 B	PASS
Conducted Emission	FCC PART 15 B	PASS

Remark:

1. *PASS: Comply with the essential requirements in the standard.*
2. *N/A: Not applicable.*

5 General Information

5.1 General Description of EUT

Product Name:	MINI PC
Model No.:	MCIPC8, MCIPC, MCIPCA, MCIPCB, MCIPCD, MCIPCE, MCTPC, MCMQ, MCSR, MCNAS12, MCNAS14, MCNAS11, MCAIPC1, MCAIPC2, MCAIPC, MCN5, MCMQ12, MCMQ13, MCMQR, MCMQ, MCVX4, MCNUC, MCNASPC，MCNAS
Remark:	All above models are identical in the same PCB layout, interior structure and electrical circuits. The difference is model name and appearance for commercial purpose.
Test Model No.:	MCIPC8
Power supply:	AC Adapter Model: A364-1203000I Input: AC 100-240V~, 50/60Hz, 1.5A Output: DC 12V, 3A, 36W
The highest frequency of the internal sources of the EUT is (less than 108)MHz:	☒less than 108 MHz, the measurement shall only be made up to 1 GHz. ☐ between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. ☐ between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz. ☐ above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 6 GHz, whichever is less.

Remark: The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.

5.2 Test mode and Test voltage

Test mode:	
Operation mode	Keep the EUT in operation status
Test voltage:	
AC 120V 60Hz	

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

5.4 Monitoring of EUT for All Immunity Test

Visual:	Monitor the voltage output and indicator light of the EUT.
Audio:	N/A

5.5 Deviation from Standards

None.

5.6 Abnormalities from Standard Conditions

None.

5.7 Test Facility

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

● **FCC —Registration No.: 381383**

Designation Number: CN5029

Shenzhen HyCert Co., Ltd., Shenzhen 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 files.

● **ISED —Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Shenzhen HyCert Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing.

● **NVLAP (LAB CODE:600179-0)**

Shenzhen HyCert Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.8 Test Location

All test items were performed at:

Shenzhen HyCert Co., Ltd.
Address: 201, Building A, Hongwan Science and Technology Park, No. 30 Xijing Road, Gushu Community, Xixiang Street, Bao'an District, Shenzhen, China
WEB:www.hycert-lab.com TEL:0755-23050312 EMAIL:info@hycert-lab.com

6 Test Instruments List

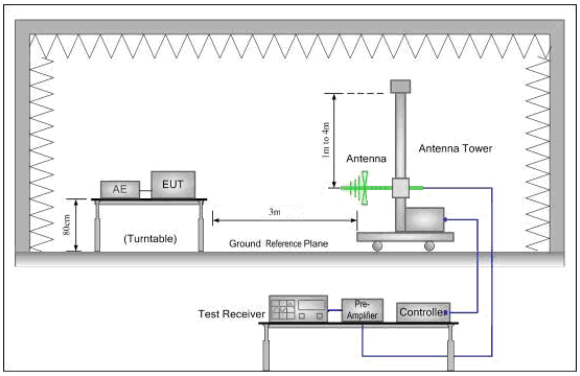
Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	HYC250	Apr. 11, 2026	Apr. 10, 2027
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	HYC251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	HYC203	Apr. 12, 2026	Apr. 11, 2027
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	HYC640	Apr. 12, 2026	Apr. 11, 2027
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	HYC208	Apr. 11, 2026	Apr. 10, 2027
6	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	HYC575	Jul. 01, 2026	Jun. 30, 2027
7	Loop Antenna	ZHINAN	ZN30900A	HYC534	Nov.16, 2025	Nov.15, 2026
8	Broadband Preamplifier	SCHWARZBECK	BBV9718	HYC535	Apr. 11, 2026	Apr. 10, 2027
9	Amplifier(1GHz-26.5GHz)	HP	8449B	HYC601	Apr. 11, 2026	Apr. 10, 2027
10	Horn Antenna (18GH-40GHz)	Schwarzbeck	BBHA 9170	HYC691	Apr. 11, 2026	Apr. 10, 2027
11	FSV·Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	HYC666	Mar. 11, 2026	Mar. 10, 2027
12	Amplifier	/	LNA-1000-30S	HYC650	Apr. 11, 2026	Apr. 10, 2027
13	CDNE M2+M3-16A	HCT	30MHz-300MHz	HYC692	Nov. 13, 2025	Nov. 12, 2026
14	Wideband Amplifier	/	WDA-01004000-15P35	HYC602	Apr. 11, 2026	Apr. 10, 2027
15	Thermo meter	JINCHUANG	GSP-8A	HYC643	Apr. 15, 2026	Apr. 14, 2027
16	RE cable 1	HYC	N/A	HYC675	Jul. 11, 2026	Jul. 10, 2027
17	RE cable 2	HYC	N/A	HYC676	Jul. 11, 2026	Jul. 10, 2027
18	RE cable 3	HYC	N/A	HYC677	Jul. 11, 2026	Jul. 10, 2027
19	RE cable 4	HYC	N/A	HYC678	Jul. 11, 2026	Jul. 10, 2027
20	RE cable 5	HYC	N/A	HYC679	Jul. 11, 2026	Jul. 10, 2027
21	RE cable 6	HYC	N/A	HYC680	Jul. 11, 2026	Jul. 10, 2027
22	RE cable 7	HYC	N/A	HYC681	Jul. 11, 2026	Jul. 10, 2027
23	RE cable 8	HYC	N/A	HYC682	Jul. 11, 2026	Jul. 10, 2027
24	EMI Test Software	AUDIX	E3-6.100614a	HYC725	N/A	N/A

Conducted Emission						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	HYC252	Jul. 12, 2022	Jul. 11, 2027
2	EMI Test Receiver	R&S	ESCI 7	HYC552	Apr. 12, 2026	Apr. 11, 2027
3	LISN	ROHDE & SCHWARZ	ENV216	HYC226	Apr. 11, 2026	Apr. 10, 2027
4	Coaxial Cable	HYC	N/A	HYC227	N/A	N/A
5	Thermo meter	JINCHUANG	GSP-8A	HYC642	Apr. 15, 2026	Apr. 14, 2027
6	Absorbing clamp	Elektronik-Feinmechanik	MDS21	HYC229	Apr. 12, 2026	Apr. 11, 2027
7	ISN	SCHWARZBECK	NTFM 8158	HYC565	Apr. 11, 2026	Apr. 10, 2027
8	High voltage probe	SCHWARZBECK	TK9420	HYC537	Apr. 11, 2026	Apr. 10, 2027
9	Antenna end assembly	Weinschel	1870A	HYC560	Apr. 11, 2026	Apr. 10, 2027
10	EMI Test Software	AUDIX	E3-6.100622	HYC726	N/A	N/A
11	Current probe	CYBERTEK	EM5011	HYC698	Jan. 13, 2026	Jan. 12, 2027

General used equipment:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Barometer	KUMAO	SF132	HYC647	Jul. 16, 2026	Jul. 15, 2027

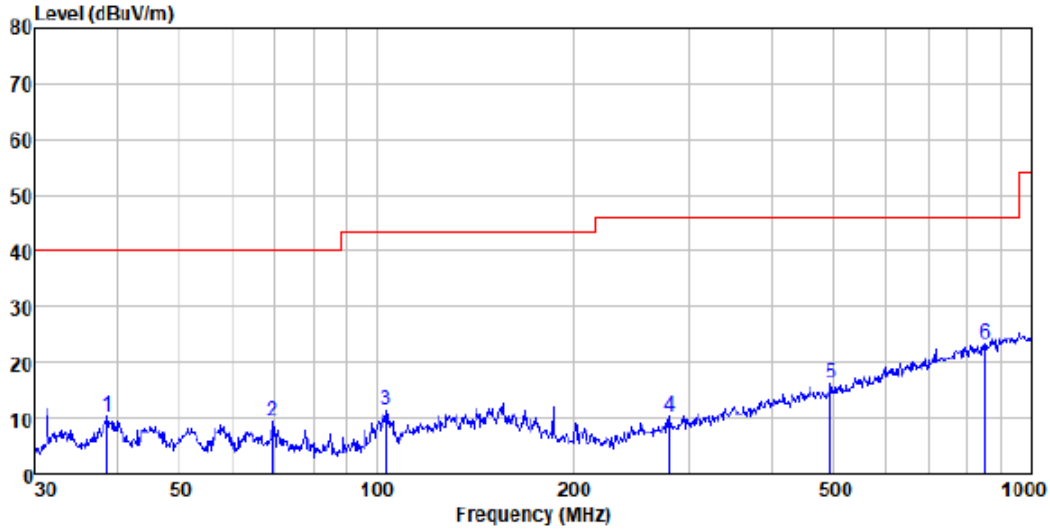
7 Emission Test Results

7.1 Radiated Emission

Test setup:	
Test Standard:	FCC PART 15 B
Test Frequency Range:	30MHz to 1GHz
Class / Severity:	Class B
Test site:	Measurement Distance: 3m
Receiver setup:	Frequency: 30MHz-1GHz; Detector: Quasi-peak; RBW: 120KHz; VBW: 300KHz; Value: Quasi-peak
Limit:	30MHz-88MHz: 40.00 Quasi-peak 88MHz-216MHz: 43.50 Quasi-peak 216MHz-960MHz: 46.00 Quasi-peak 960MHz-1GHz: 54.00 Quasi-peak
Test procedure:	1. The EUT and its simulators are placed on a turned table that is 0.8 meter above the ground. The turned table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna that is mounted on the antenna tower. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on test. In order to find the maximum emission levels, the interface cable must be manipulated according to FCC PART 15 B on radiated emission test. 2. The frequency range from 30MHz to 1000MHz is checked.
Test environment:	Temp.: 25 °C; Humid.: 52%; Press.: 1 012mbar
Measurement Uncertainty:	3.8062dB （30MHz-200MHz） 3.9531dB （200MHz-1GHz）
Test Instruments:	Refer to section 6 for details
Test mode:	Refer to section 5.2 for details
Test results:	PASS

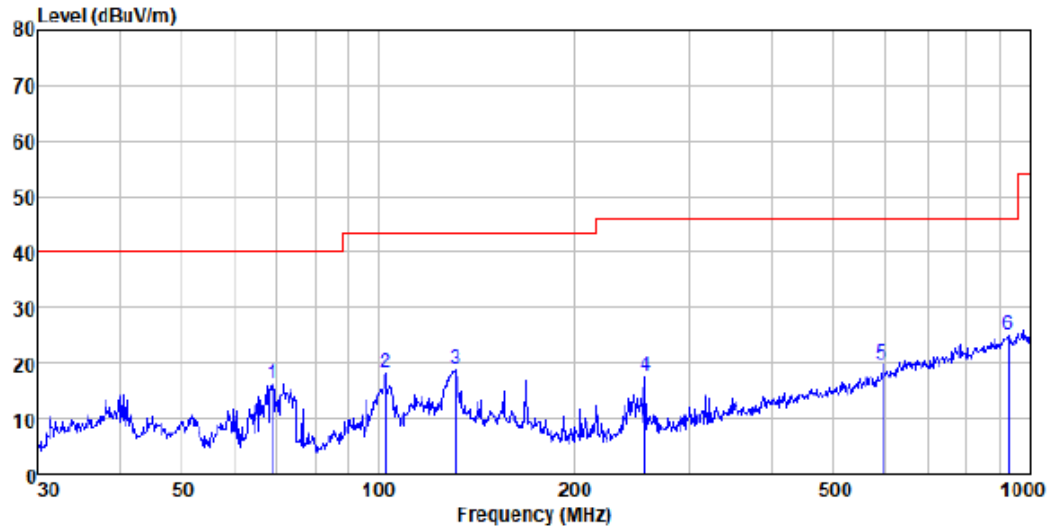
Measurement Data

Test mode:	Operation mode	Antenna Polarity:	Horizontal



	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	38.752	27.97	14.15	33.55	1.28	9.85	40.00	-30.15	Peak
2	64.433	28.60	11.46	33.54	1.67	8.19	40.00	-31.81	Peak
3	155.910	29.87	14.81	33.47	2.49	13.70	40.00	-26.30	Peak
4	306.754	27.96	12.44	33.19	3.60	10.81	47.00	-36.19	Peak
5	504.706	28.23	16.90	32.89	4.61	16.85	47.00	-30.15	Peak
6	819.834	27.33	22.45	32.09	6.11	23.80	47.00	-23.20	Peak

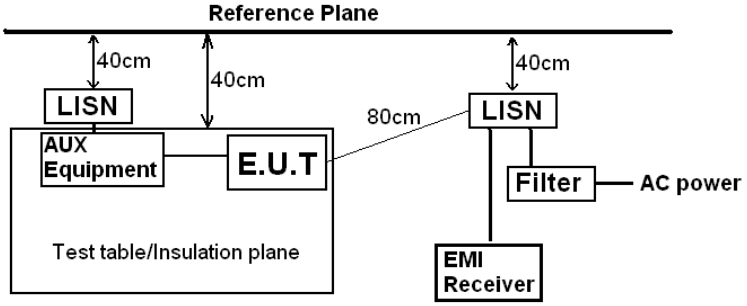
Test mode:	Operation mode	Antenna Polarity:	Vertical



	Freq	Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	38.752	28.38	14.15	33.55	1.28	10.26	40.00	-29.74	Peak
2	69.357	30.42	10.96	33.55	1.72	9.55	40.00	-30.45	Peak
3	103.442	33.17	10.03	33.59	2.00	11.61	43.50	-31.89	Peak
4	280.024	28.46	11.80	33.23	3.42	10.45	46.00	-35.55	Peak
5	494.199	27.71	16.78	32.91	4.56	16.14	46.00	-29.86	Peak
6	851.035	26.52	22.62	31.90	6.15	23.39	46.00	-22.61	Peak

Notes:
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
1. Final Level (dBuV/m)=Reading level(dBuV)+Antenna Factor(dB/m)+Cable Loss(dB)-Preamp Factor(dB)

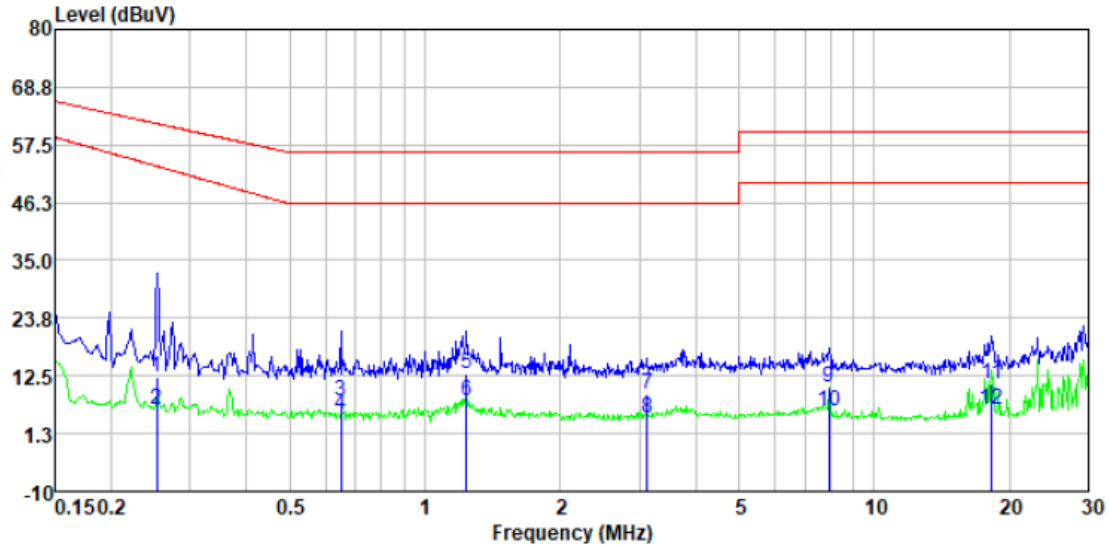
7.2 Conducted Emission

<table>
<tr><td>Test Setup:</td><td>

Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m</td></tr>
<tr><td>Test Standard:</td><td>FCC PART 15 B</td></tr>
<tr><td>Test Frequency Range:</td><td>150kHz to 30MHz</td></tr>
<tr><td>Class / Severity:</td><td>Class B</td></tr>
<tr><td>Receiver setup:</td><td>RBW=9kHz, VBW=30kHz</td></tr>
<tr><td>Limit:</td><td><table>
<tr><td rowspan="2">Frequency range (MHz)</td><td colspan="2">Limit (dBμV)</td></tr>
<tr><td>Quasi-peak</td><td>Average</td></tr>
<tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr>
<tr><td>0.5-5</td><td>56</td><td>46</td></tr>
<tr><td>5-30</td><td>60</td><td>50</td></tr>
</table>
* Decreases with the logarithm of the frequency.</td></tr>
<tr><td>Test procedure:</td><td>1. The EUT is put on the ground and connected to the AC mains through a Artificial Mains Network (AMN). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission levels according to the FCC PART 15 B regulations during conducted emission test.
2. The frequency range from 150 KHz to 30 MHz is investigated.</td></tr>
<tr><td>Test environment:</td><td>Temp.: | 24 °C | Humid.: | 51% | Press.: | 1012mbar</td></tr>
<tr><td>Measurement Uncertainty:</td><td>3.48dB</td></tr>
<tr><td>Test Instruments:</td><td>Refer to section 6 for details</td></tr>
<tr><td>Test mode:</td><td>Refer to section 5.2 for details</td></tr>
<tr><td>Test results:</td><td>PASS</td></tr>
</table>

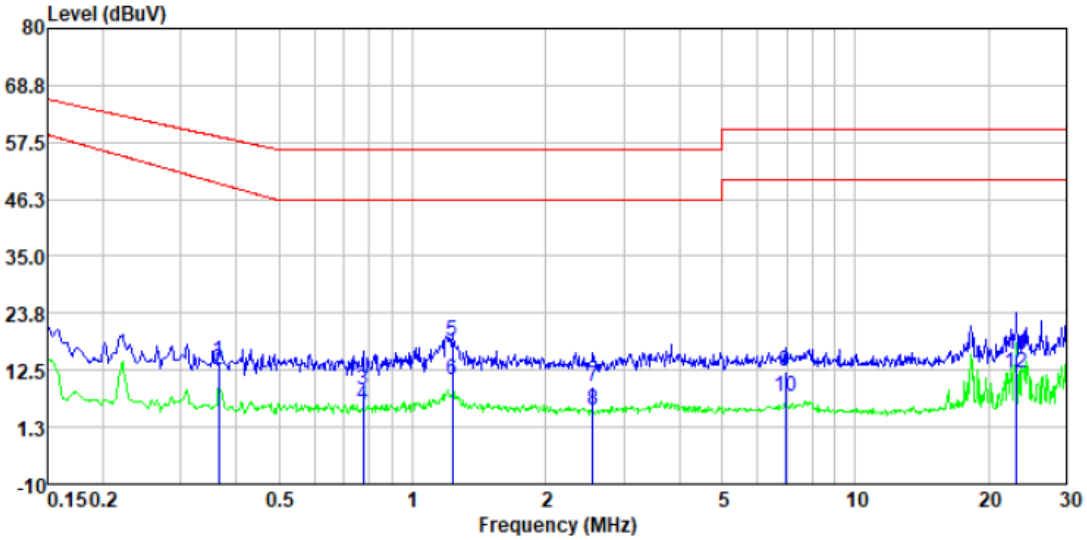
Measurement Data

Test mode:	Operation mode	Phase Polarity:	Line



	Freq	Read Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dB	
1	0.253	-7.35	19.68	61.64	-49.31	QP
2	0.253	-13.83	19.68	53.34	-47.49	Average
3	0.651	-11.97	19.68	56.00	-48.29	QP
4	0.651	-14.67	19.68	46.00	-40.99	Average
5	1.236	-6.61	19.68	56.00	-42.93	QP
6	1.236	-12.15	19.68	46.00	-38.47	Average
7	3.123	-10.66	19.70	56.00	-46.96	QP
8	3.123	-15.28	19.70	46.00	-41.58	Average
9	7.935	-9.67	19.82	60.00	-49.85	QP
10	7.935	-14.36	19.82	50.00	-44.54	Average
11	18.232	-9.10	20.05	60.00	-49.05	QP
12	18.232	-14.07	20.05	50.00	-44.02	Average

Test mode:	Operation mode	Phase Polarity:	Neutral

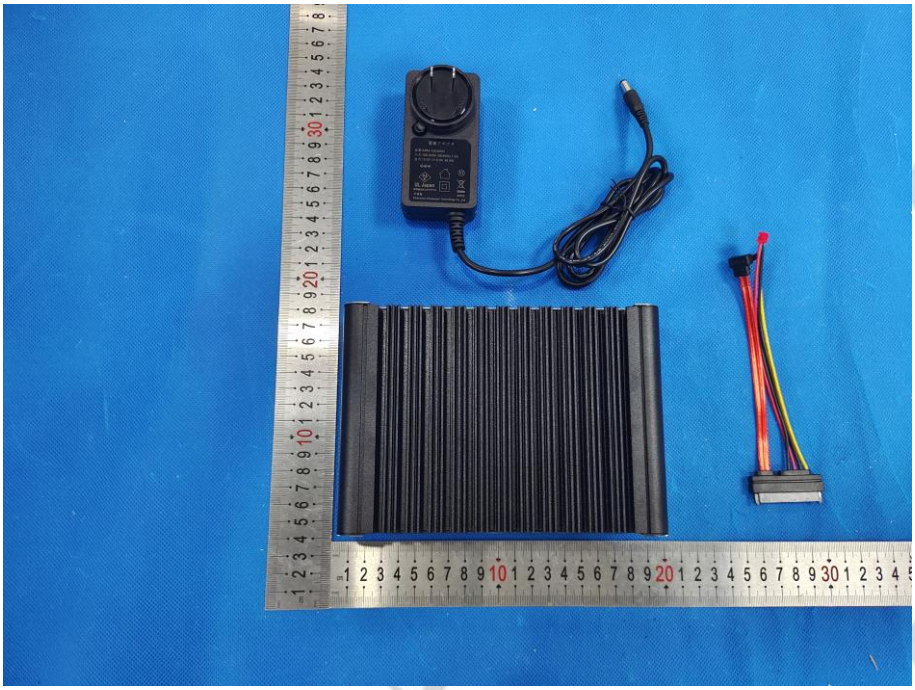


	Freq	Read Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dB	
1	0.365	-5.28	19.68	58.61	-44.21	QP
2	0.365	-7.22	19.68	49.39	-36.93	Average
3	0.775	-10.92	19.68	56.00	-47.24	QP
4	0.775	-14.05	19.68	46.00	-40.37	Average
5	1.229	-1.37	19.68	56.00	-37.69	QP
6	1.229	-9.13	19.68	46.00	-35.45	Average
7	2.554	-10.37	19.70	56.00	-46.67	QP
8	2.554	-15.13	19.70	46.00	-41.43	Average
9	6.951	-7.38	19.76	60.00	-47.62	QP
10	6.951	-12.54	19.76	50.00	-42.78	Average
11	23.140	-4.77	20.21	60.00	-44.56	QP
12	23.140	-8.26	20.21	50.00	-38.05	Average

Notes:
1. An initial pre-scan was performed on the line and neutral lines with peak detector.
Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission
2. The disturbance voltage is calculated by adding the LISN Factor & Cable Loss Factor. The basic equation with a sample calculation is as follows:
Correct Factor(dB)=LISN Factor(dB)+Cable Loss(dB)
Final level(dBuV)=Reading level(dBuV)+Correct Factor(dB)

8 EUT Constructional Details

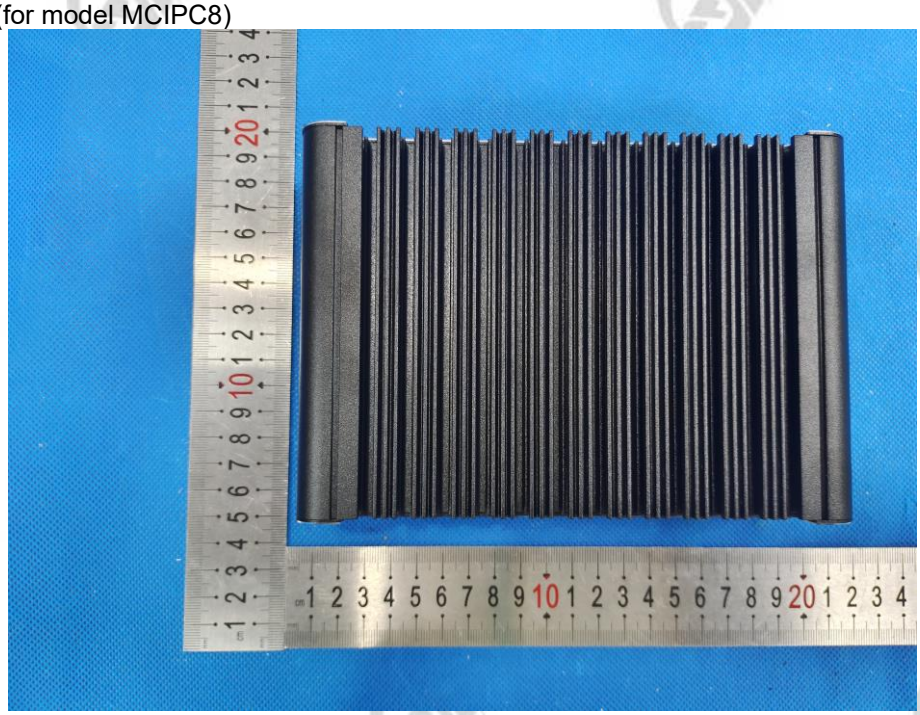
Picture 1



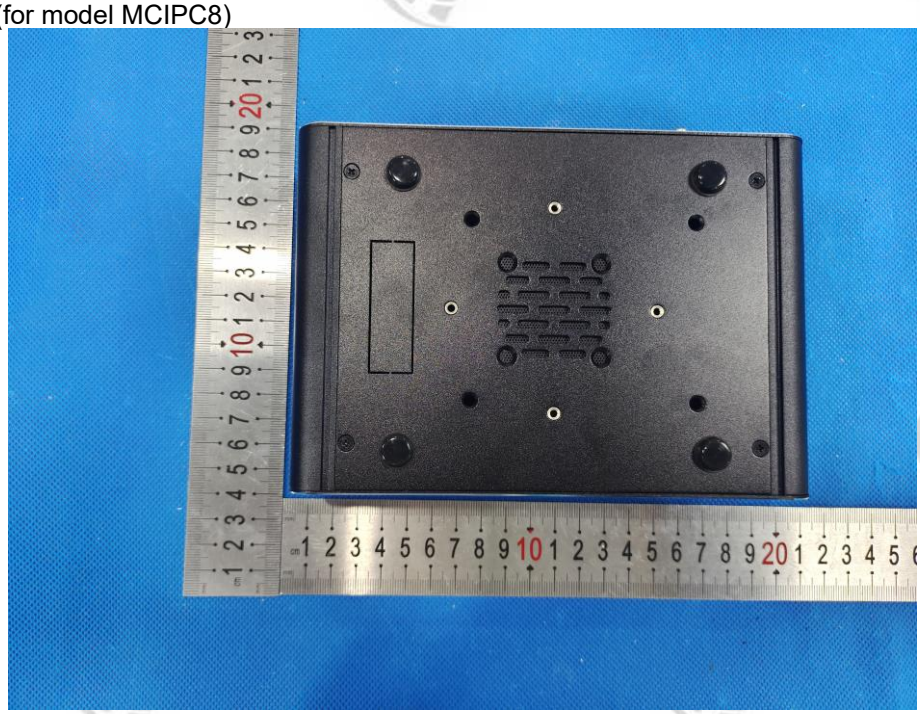
Picture 2 (for model MCIPC8)



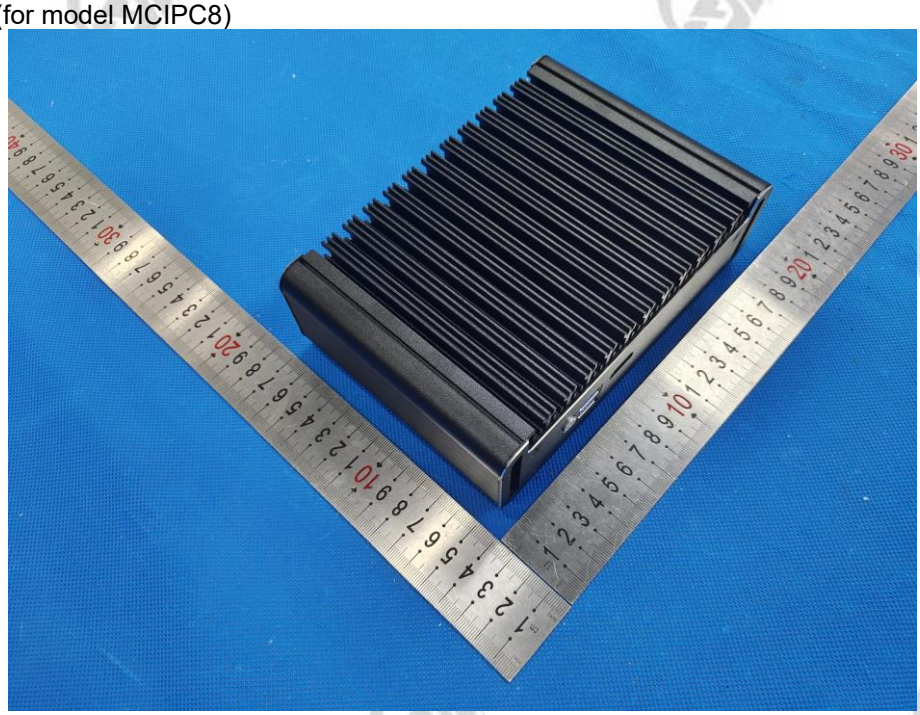
Picture 3 (for model MCIPC8)



Picture 4 (for model MCIPC8)



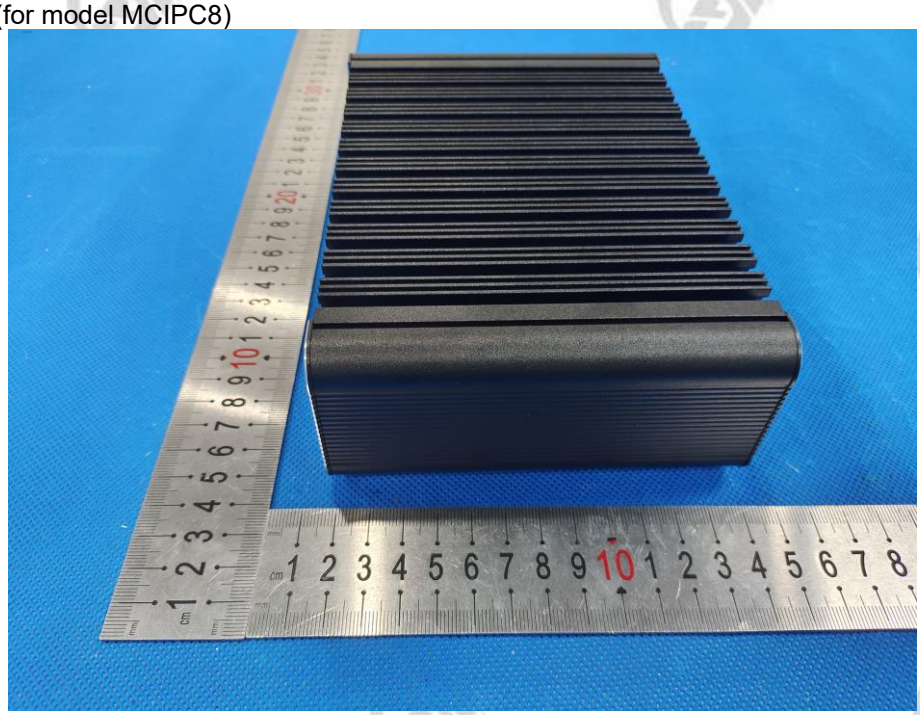
Picture 5 (for model MCIPC8)



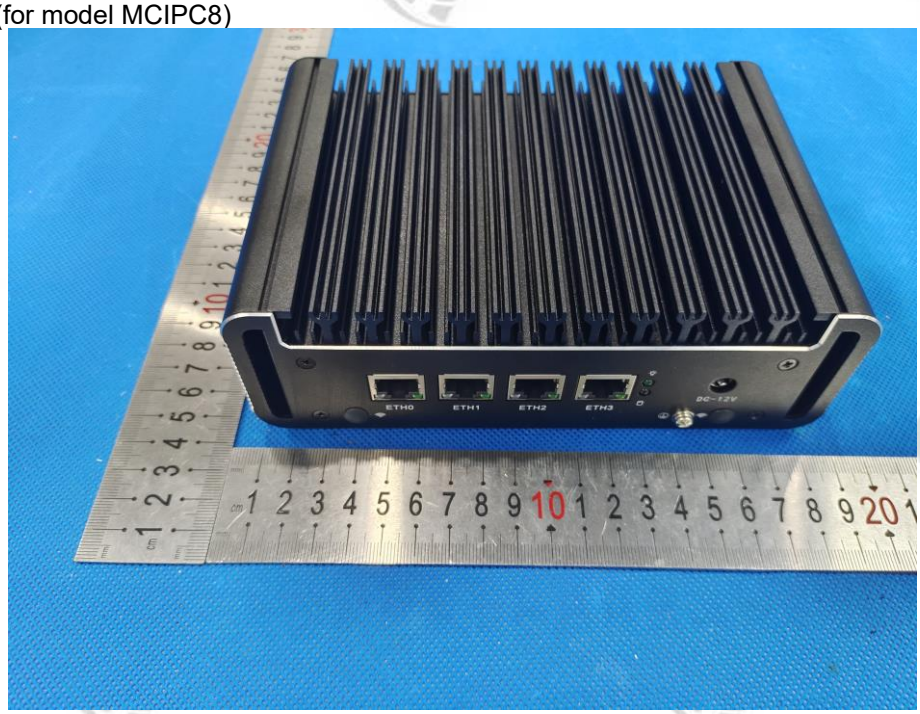
Picture 6 (for model MCIPC8)



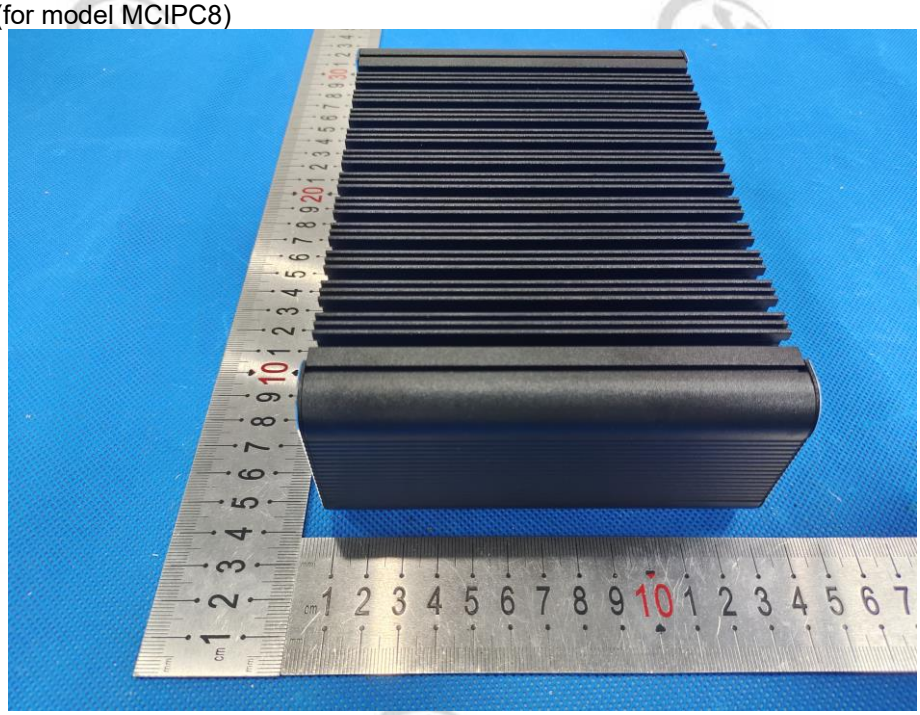
Picture 7 (for model MCIPC8)



Picture 8 (for model MCIPC8)

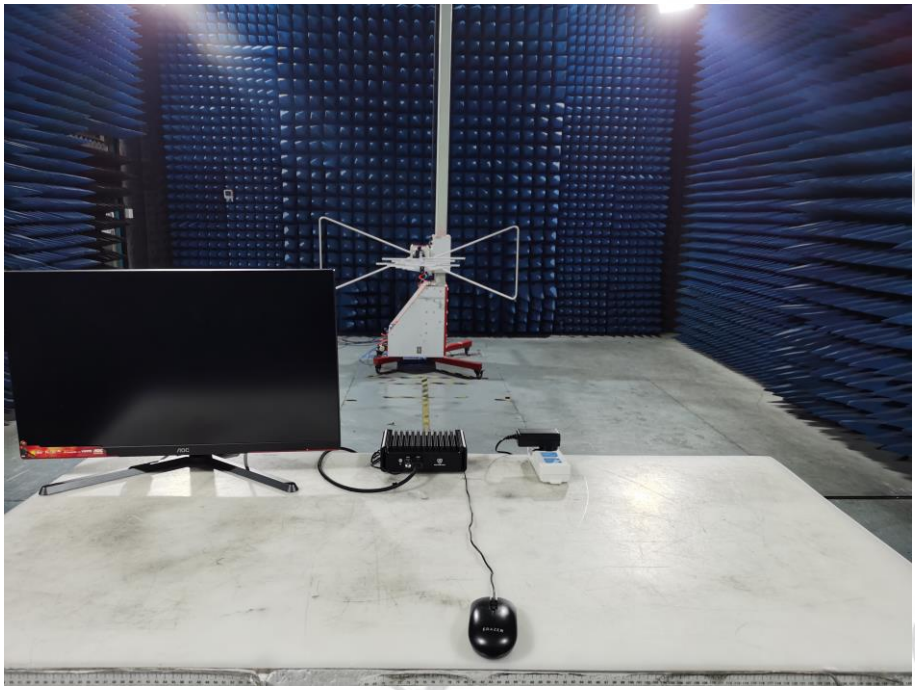


Picture 9 (for model MCIPC8)



9 EUT Test Setup Photos

Radiated Emission



Conducted Emission



------End------