

Test Report

Report No. : MTi260703023-0201E1
Date of issue : 2026-07-22
Applicant : Shenzhen Zero Zero Infinity Technology Co.,
Ltd.
Product : Smart Mini Controller MiCo
Model(s) : ZZ-H-2-003
FCC ID : 2AIDW-ZZ-H-2-003

Shenzhen Microtest Co., Ltd.

TEST REPORT

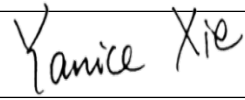
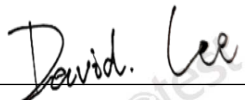
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Test Result Certification		
Applicant	Shenzhen Zero Zero Infinity Technology Co., Ltd.	
Applicant Address	4F Qianhai Yidu Tower Building, Shenzhen China	
Manufacturer	Shenzhen Zero Zero Infinity Technology Co., Ltd.	
Manufacturer Address	4F Qianhai Yidu Tower Building, Shenzhen China	
Product description		
Product name	Smart Mini Controller MiCo	
Trademark	HOVERAir	
Model name	ZZ-H-2-003	
Series Model(s)	N/A	
Standards	47 CFR Part 15, Subpart B	
Test Method	ANSI C63.4-2014	
Testing Information		
Date of test	2026-07-15 to 2026-07-17	
Test result	Pass	
Prepared by:	Yanice Xie	
Reviewed by:	David Lee	
Approved by:	Lewis Lian	

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1 General Description

1.1 Description of the EUT

Product name:	Smart Mini Controller MiCo
Model name:	ZZ-H-2-003
Series Model(s):	N/A
Model difference:	N/A
Electrical rating:	Input:DC 5V Battery: DC 3.7V 195Wh
Accessories:	N/A
Hardware version:	RC420_MB_V11
Software version:	V1.0.0
Test sample(s) number:	MTi260703023-02-E001

1.2 Description of test modes

For test, the EUT has been pre-tested under the following test modes, Only the worst case data will be shown in the report.

No.	Emission test modes
Mode1	Charging+Normal working

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1.3 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15°C ~ 35°C
Humidity:	20% RH ~ 75% RH
Atmospheric pressure:	98 kPa ~ 101 kPa

1.4 Description of support units

Support equipment list

Description	Model	Serial No.	Manufacturer
Adapter	5W	/	HUAWEI

Support cable list

Description	Length (m)	From	To
/	/	/	/

1.5 Measurement uncertainty

Measurement	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	±3.1dB
Radiated emissions (30MHz~1GHz)	±4.7dB
Radiated emissions (above 1GHz)	±5.1dB
Temperature	±1 °C
Humidity	± 5 %

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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2 Summary of Test Result

No.	Item	Standard	Requirement	Result
1	Conducted emissions on AC mains	47 CFR Part 15, Subpart B	15.107, Class B	Pass
2	Radiated emissions (Below 1GHz)	47 CFR Part 15, Subpart B	15.109, Class B	Pass
3	Radiated emissions (Above 1GHz)	47 CFR Part 15, Subpart B	15.109, Class B	Pass

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3 Test Facilities and accreditations

3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573
IC Registration No.:	21760
CABID:	CN0093

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4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
Conducted emissions on AC mains						
1	EMI Test Receiver	Rohde&schwarz	ESCI3	101368	2026-03-10	2027-03-09
2	Artificial mains network	Schwarzbeck	NSLK 8127	183	2026-03-11	2027-03-10
3	Artificial Mains Network	Rohde & Schwarz	ESH2-Z5	100263	2026-03-10	2027-03-09
4	EMI Test Software	Farad	EZ-EMC	Ver. EMEC-3A1	/	/
Radiated emissions (Below 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2026-03-10	2027-03-09
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2025-05-23	2027-05-22
3	Amplifier	Hewlett-Packard	8447F	3113A06184	2026-03-10	2027-03-09
4	EMI Test Software	Farad	EZ-EMC	Ver. EMEC-3A1	/	/
Radiated emissions (Above 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2026-03-10	2027-03-09
2	Double Ridged Broadband Horn Antenna	schwarabeck	BBHA 9120 D	2278	2025-05-27	2027-05-26
3	Amplifier	Agilent	8449B	3008A01120	2026-03-10	2027-03-09
4	EMI Test Software	Farad	EZ-EMC	Ver. EMEC-3A1	/	/

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5 Emission Test Results (EMI)

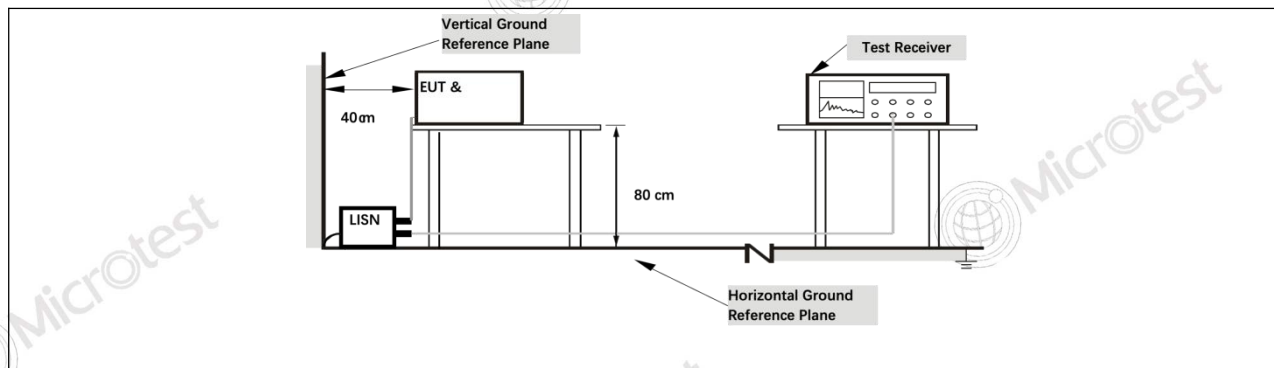
5.1 Conducted emissions on AC mains

Test Requirement:	15.107, Class B		
Test Limit:	Frequency of emission (MHz)	Conducted limit (dBμV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	*Decreases with the logarithm of the frequency.		
Test Method:	ANSI C63.4-2014		
Procedure:	An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected. Remark: Level= Read Level+ Cable Loss+ LISN Factor		

5.1.1 E.U.T. Operation:

Operating Environment:			
Temperature:	25 °C	Humidity:	50 %
Pre test mode:	Mode1		
Final test mode:	Mode1		

5.1.2 Test Setup Diagram:

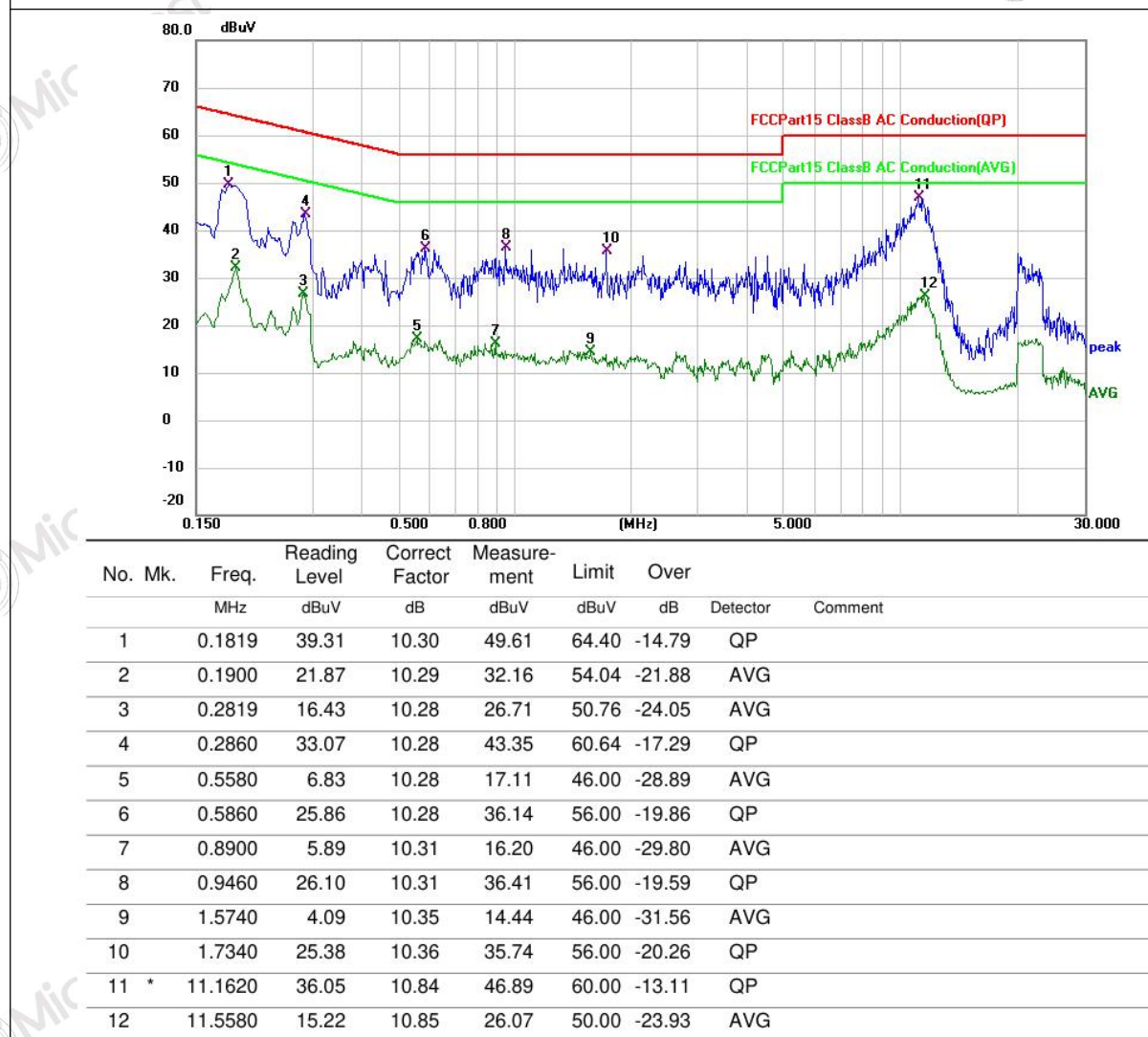


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5.1.3 Test Data:

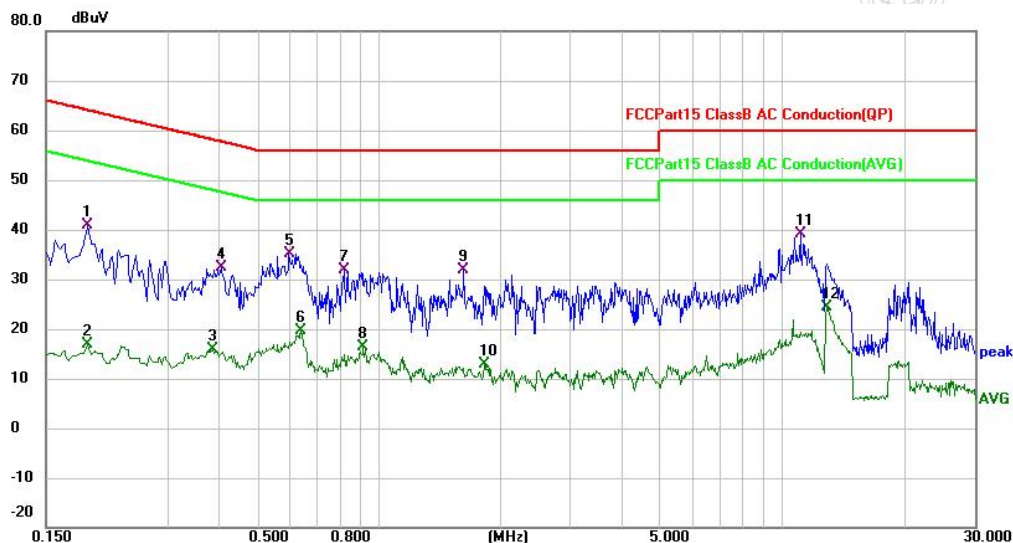
Mode1 / Line: Line



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Mode1 / Line: Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1900	30.51	10.29	40.80	64.04	-23.24	QP	
2		0.1900	6.50	10.29	16.79	54.04	-37.25	AVG	
3		0.3860	5.55	10.27	15.82	48.15	-32.33	AVG	
4		0.4060	22.02	10.27	32.29	57.73	-25.44	QP	
5	*	0.5980	24.95	10.28	35.23	56.00	-20.77	QP	
6		0.6419	9.43	10.28	19.71	46.00	-26.29	AVG	
7		0.8180	21.48	10.30	31.78	56.00	-24.22	QP	
8		0.9140	5.97	10.31	16.28	46.00	-29.72	AVG	
9		1.6220	21.40	10.36	31.76	56.00	-24.24	QP	
10		1.8220	2.61	10.37	12.98	46.00	-33.02	AVG	
11		11.1140	28.37	10.84	39.21	60.00	-20.79	QP	
12		12.9060	13.47	10.89	24.36	50.00	-25.64	AVG	

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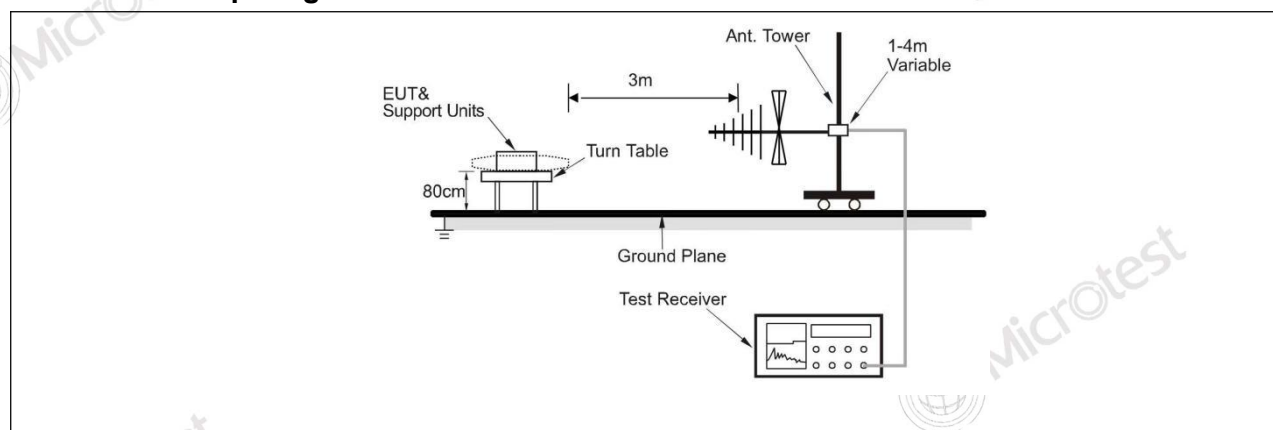
5.2 Radiated emissions (Below 1GHz)

Test Requirement:	15.109, Class B																																
Test Limit:	Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values: <table border="1"> <thead> <tr> <th rowspan="2">Frequency of emission (MHz)</th><th colspan="2">Field strength @3m</th><th colspan="2">Field strength @10m</th></tr> <tr> <th>($\mu\text{V/m}$)</th><th>(dB$\mu\text{V/m}$)</th><th>($\mu\text{V/m}$)</th><th>(dB$\mu\text{V/m}$)</th></tr> </thead> <tbody> <tr> <td>30 – 88</td><td>100</td><td>40</td><td>30</td><td>29.5</td></tr> <tr> <td>88 – 216</td><td>150</td><td>43.5</td><td>45</td><td>33.1</td></tr> <tr> <td>216 – 960</td><td>200</td><td>46</td><td>60</td><td>35.6</td></tr> <tr> <td>Above 960</td><td>500</td><td>54</td><td>150</td><td>43.5</td></tr> </tbody> </table>				Frequency of emission (MHz)	Field strength @3m		Field strength @10m		($\mu\text{V/m}$)	(dB $\mu\text{V/m}$)	($\mu\text{V/m}$)	(dB $\mu\text{V/m}$)	30 – 88	100	40	30	29.5	88 – 216	150	43.5	45	33.1	216 – 960	200	46	60	35.6	Above 960	500	54	150	43.5
Frequency of emission (MHz)	Field strength @3m		Field strength @10m																														
	($\mu\text{V/m}$)	(dB $\mu\text{V/m}$)	($\mu\text{V/m}$)	(dB $\mu\text{V/m}$)																													
30 – 88	100	40	30	29.5																													
88 – 216	150	43.5	45	33.1																													
216 – 960	200	46	60	35.6																													
Above 960	500	54	150	43.5																													
Test Method:	ANSI C63.4-2014																																
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor																																

5.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	26 °C	Humidity:	65 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1				
Final test mode:	Mode1				

5.2.2 Test Setup Diagram:

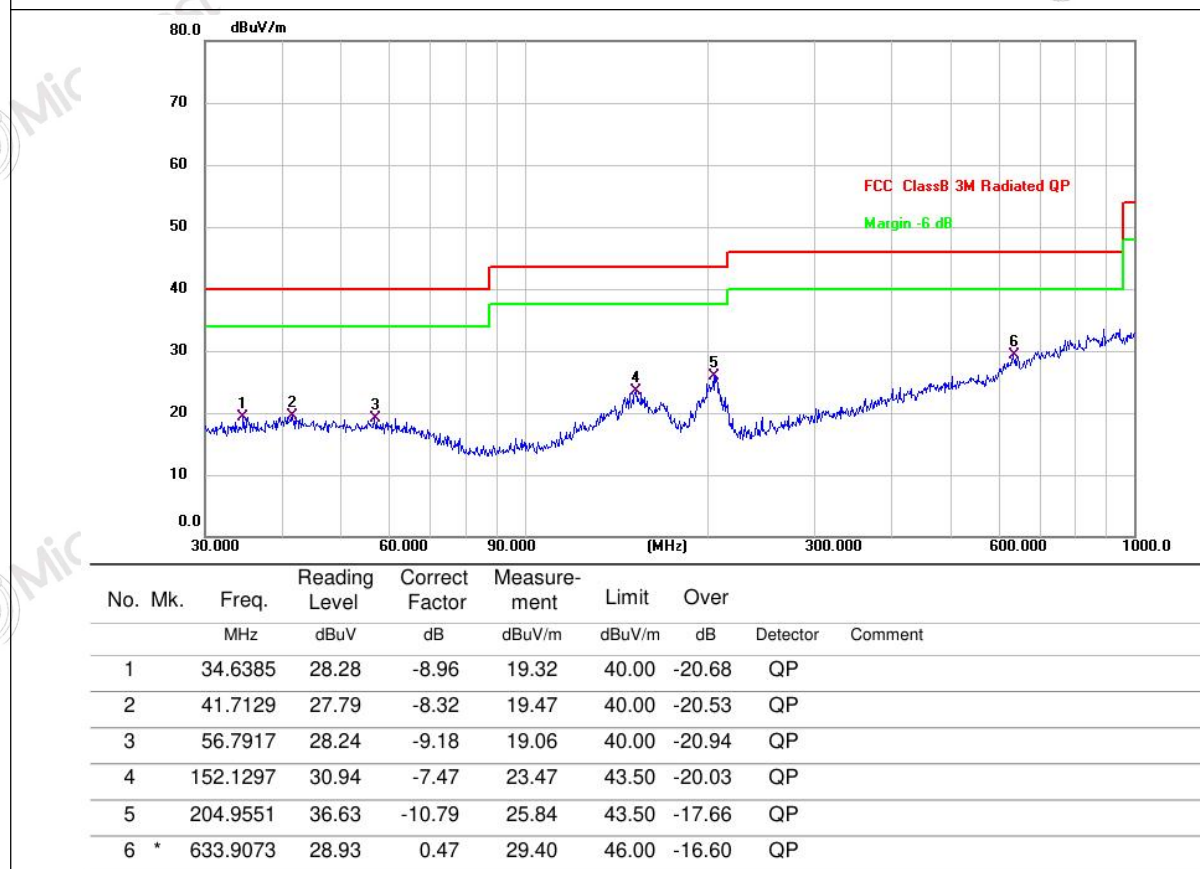


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5.2.3 Test Data:

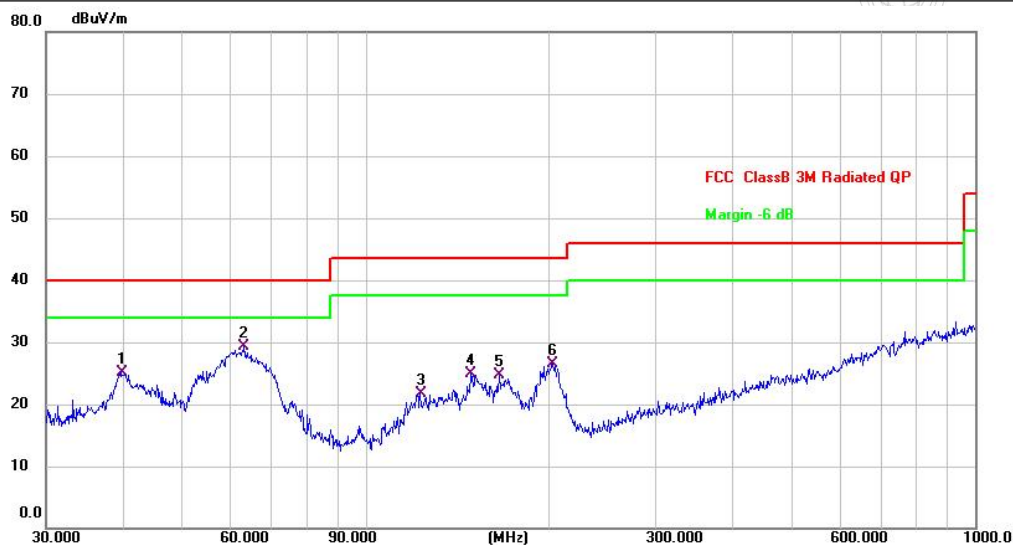
Mode1 / Polarization: Horizontal



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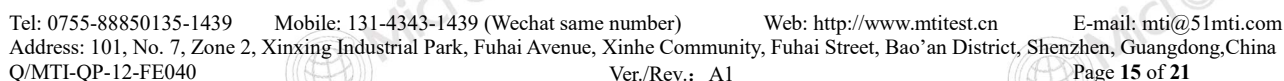
Mode1 / Polarization: Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		39.8542	33.34	-8.28	25.06	40.00	-14.94	QP	
2	*	63.3132	39.10	-9.76	29.34	40.00	-10.66	QP	
3		122.8340	31.53	-9.82	21.71	43.50	-21.79	QP	
4		148.4410	32.64	-7.67	24.97	43.50	-18.53	QP	
5		165.4866	32.42	-7.72	24.70	43.50	-18.80	QP	
6		202.8104	37.27	-10.71	26.56	43.50	-16.94	QP	

5.3.1 E.U.T. Operation:

5.3.2 Test Setup Diagram:

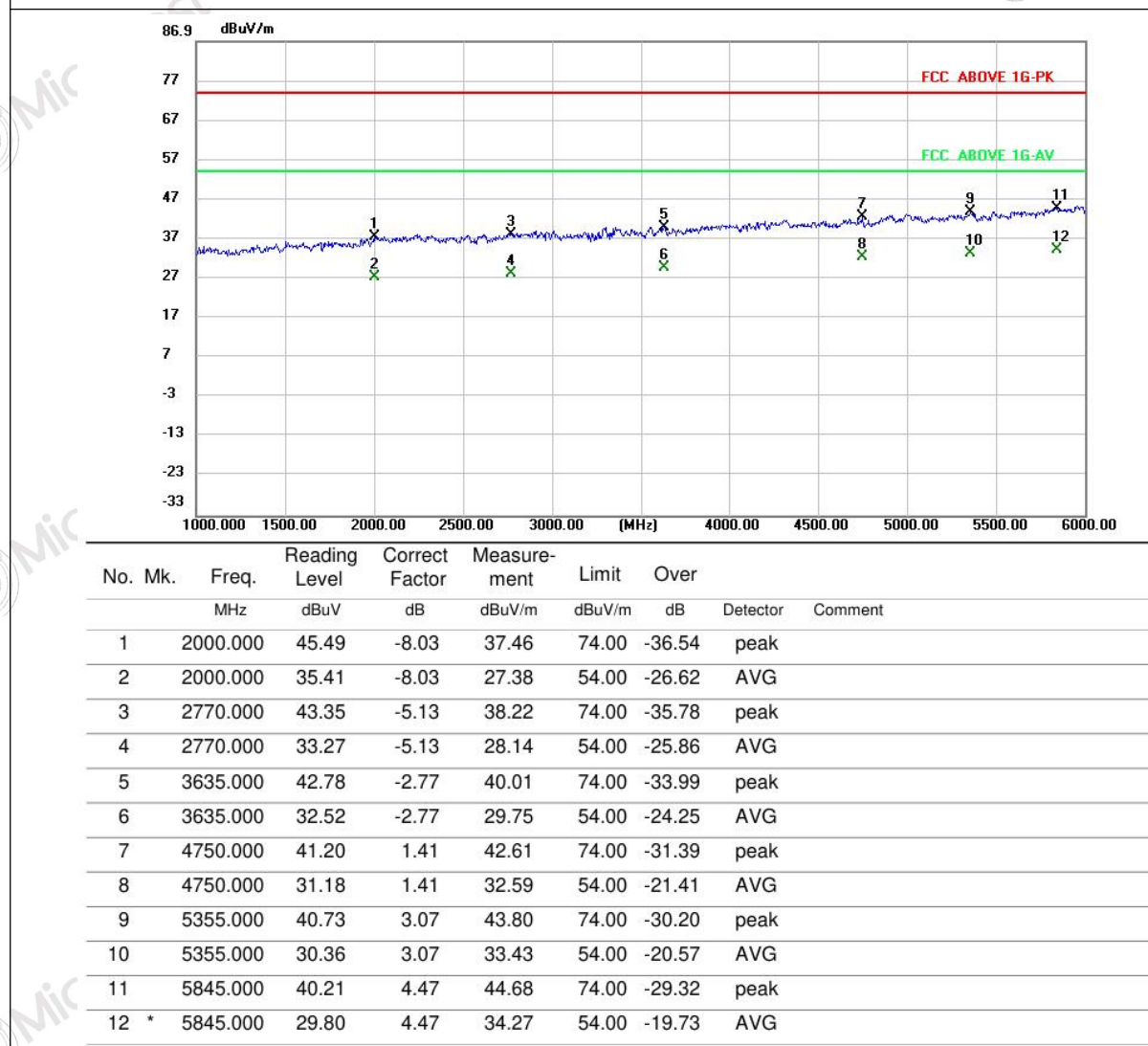


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5.3.3 Test Data:

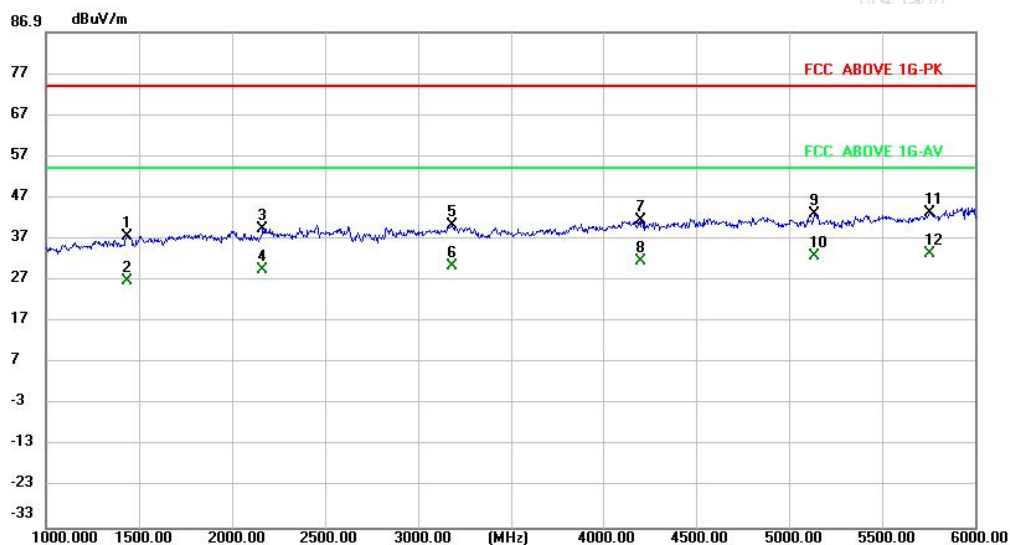
Mode1 / Polarization: Horizontal



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Mode1 / Polarization: Vertical



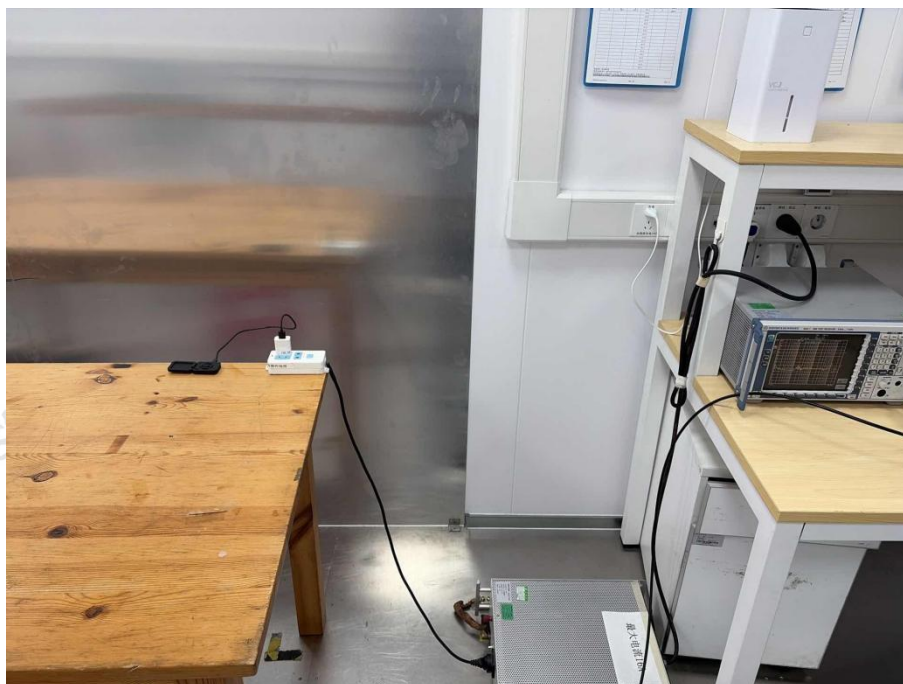
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		1435.000	50.02	-12.41	37.61	74.00	-36.39	peak
2		1435.000	39.28	-12.41	26.87	54.00	-27.13	AVG
3		2165.000	46.68	-7.27	39.41	74.00	-34.59	peak
4		2165.000	36.62	-7.27	29.35	54.00	-24.65	AVG
5		3185.000	44.27	-4.09	40.18	74.00	-33.82	peak
6		3185.000	34.33	-4.09	30.24	54.00	-23.76	AVG
7		4205.000	42.01	-0.61	41.40	74.00	-32.60	peak
8		4205.000	32.22	-0.61	31.61	54.00	-22.39	AVG
9		5135.000	40.63	2.36	42.99	74.00	-31.01	peak
10		5135.000	30.50	2.36	32.86	54.00	-21.14	AVG
11		5755.000	39.08	4.23	43.31	74.00	-30.69	peak
12	*	5755.000	29.24	4.23	33.47	54.00	-20.53	AVG

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Photographs of the test setup

Conducted emissions on AC mains



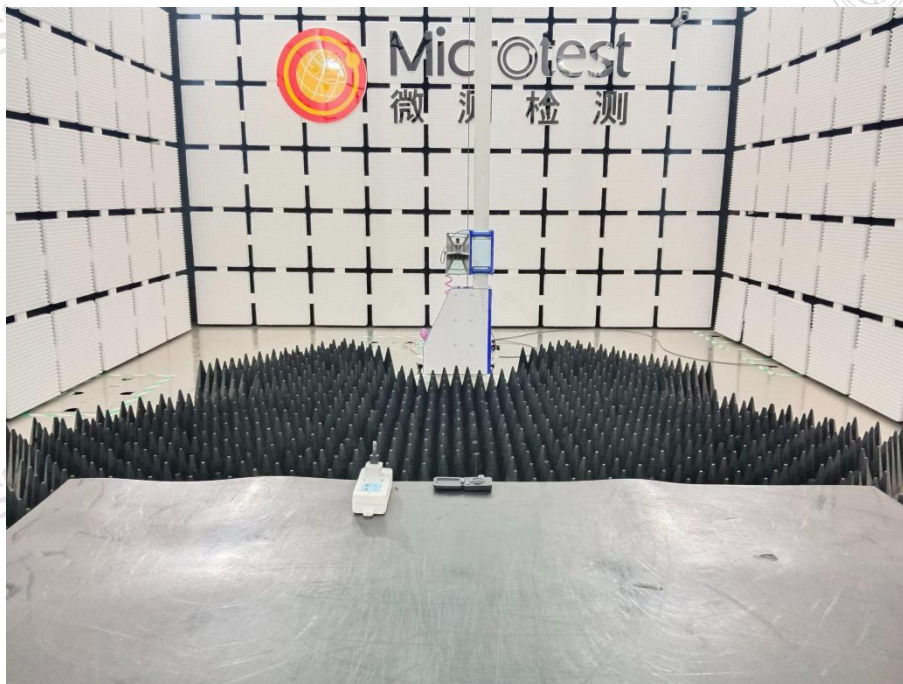
Radiated emissions (Below 1GHz)



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Radiated emissions (Above 1GHz)



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Photographs of the EUT

Refer to Appendix - EUT Photos

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Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

***** END OF REPORT *****