

Test Report

Report No. : MTi260305004-0304E1
Date of issue : 2026-03-17
Applicant : Yuanmeng Chuangzhi Technology (Shenzhen)
Co., Ltd.
Product : Charging Base
Model(s) : NB01
FCC ID : 2BRK4-NB01

Shenzhen Microtest Co., Ltd.

TEST REPORT

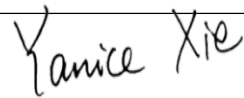
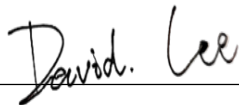
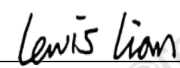
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Test Result Certification		
Applicant	Yuanmeng Chuangzhi Technology (Shenzhen) Co., Ltd.	
Applicant Address	Unit 1903, Tower A, Future Center Building, Yuehai Street, Nanshan District, Shenzhen, Guangdong Province, China.	
Manufacturer	Yuanmeng Chuangzhi Technology (Shenzhen) Co., Ltd.	
Manufacturer Address	Unit 1903, Tower A, Future Center Building, Yuehai Street, Nanshan District, Shenzhen, Guangdong Province, China.	
Product description		
Product name	Charging Base	
Trademark	N/A	
Model name	NB01	
Series Model(s)	N/A	
Standards	47 CFR Part 18	
Testing Information		
Date of test	2026-03-09 to 2026-03-12	
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:	Charging Base
Model name:	NB01
Series Model(s):	N/A
Model difference:	N/A
Electrical rating:	Wireless base input:DC 5V 1A Toothbrush input: 2W
Accessories:	Cable: USB-A to Type-C 1m*1
Hardware version:	V1.4
Software version:	0x8BD8
Test sample(s) number:	MTi260305004-03-R001
RF specification:	
Operation frequency:	212-214kHz
Modulation type:	ASK
Antenna type:	Coil

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	Wireless Charging

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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	A1443	/	Apple
Support cable list			
Description	Length (m)	From	To
/	/	/	/

1.5 Measurement uncertainty

Measurement	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	±3.1dB
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 Power Line	47 CFR Part 18	18.307	Pass
2	Radiated Emissions (9kHz-30MHz)	47 CFR Part 18	18.305	Pass
3	Radiated Emissions (30MHz-1000MHz)	47 CFR Part 18	18.305	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 Emission at AC power line						
1	EMI Test Receiver	Rohde&schwarz	ESCI3	101368	2025-03-14	2026-03-13
2	Artificial mains network	Schwarzbeck	NSLK 8127	183	2025-03-18	2026-03-17
3	Artificial Mains Network	Rohde & Schwarz	ESH2-Z5	100263	2025-03-18	2026-03-17
4	EMI Measurement Software	Farad	EZ-EMC Ver.EMEC-3A1	/	/	/
Emissions in frequency bands (below 30MHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2025-03-14	2026-03-13
2	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2024-03-23	2026-03-22
3	Amplifier	Hewlett-Packard	8447F	3113A06184	2025-03-18	2026-03-17
4	EMI Measurement Software	Farad	EZ-EMC Ver.EMEC-3A1	/	/	/
Emissions in frequency bands (30MHz - 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2025-03-14	2026-03-13
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2025-05-23	2027-05-22
3	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2024-03-23	2026-03-22
4	Amplifier	Hewlett-Packard	8447F	3113A06184	2025-03-18	2026-03-17
5	EMI Measurement Software	Farad	EZ-EMC Ver.EMEC-3A1	/	/	/

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No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
Conducted Emission at AC power line						
1	EMI Test Receiver	Rohde&schwarz	ESC13	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 Measurement Software	Farad	EZ-EMC Ver.EMEC-3A1	/	/	/
Emissions in frequency bands (below 30MHz)						
1	EMI Test Receiver	Rohde&schwarz	ESC17	101166	2026-03-10	2027-03-09
2	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2026-03-08	2028-03-07
3	Amplifier	Hewlett-Packard	8447F	3113A06184	2026-03-10	2027-03-09
4	EMI Measurement Software	Farad	EZ-EMC Ver.EMEC-3A1	/	/	/
Emissions in frequency bands (30MHz - 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESC17	101166	2026-03-10	2027-03-09
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2025-05-23	2027-05-22
3	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2026-03-08	2028-03-07
4	Amplifier	Hewlett-Packard	8447F	3113A06184	2026-03-10	2027-03-09
5	EMI Measurement Software	Farad	EZ-EMC Ver.EMEC-3A1	/	/	/

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5 Emission Test Results (EMI)

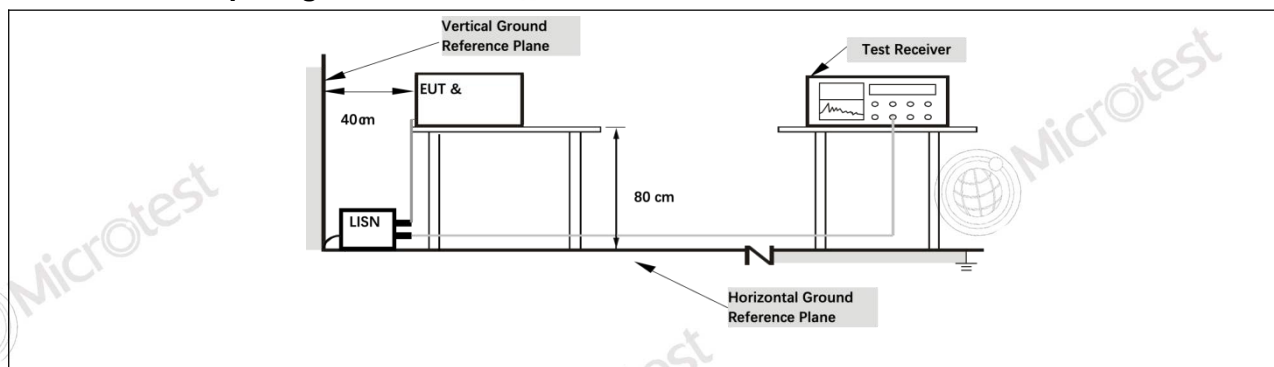
5.1 Conducted Emissions on AC Power Line

Test Requirement:	18.307		
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:	MP-5 Clause 7		
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:	24 °C	Humidity:	65 %
Pre test mode:		Atmospheric Pressure:	101 kPa
Final test mode:		Mode1	

5.1.2 Test Setup Diagram:

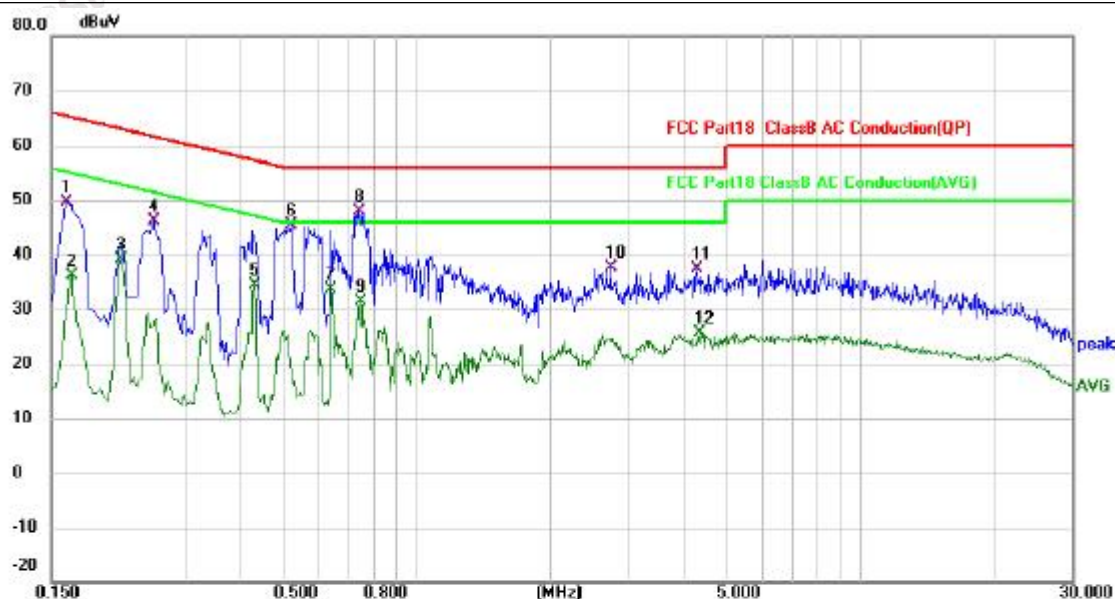


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5.1.3 Test Data:

Mode1 / Line: Line

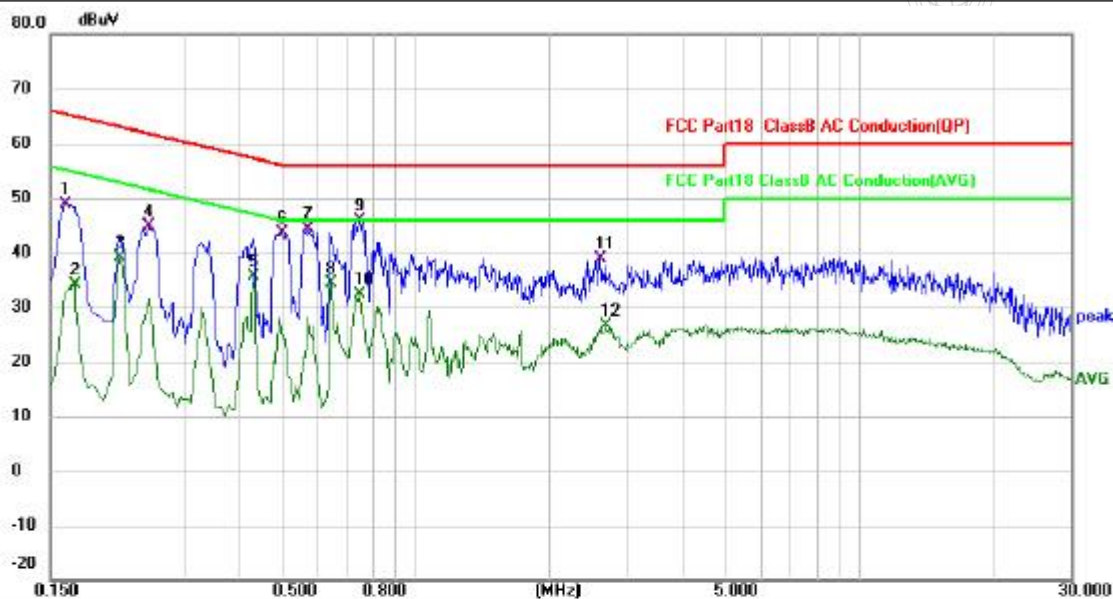


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1		0.1620	39.29	10.23	49.52	65.36	-15.84	QP	
2		0.1660	25.98	10.23	36.21	55.16	-18.95	AVG	
3		0.2140	28.87	10.21	39.08	53.05	-13.97	AVG	
4		0.2540	35.83	10.21	46.04	61.63	-15.59	QP	
5		0.4300	24.17	10.22	34.39	47.25	-12.86	AVG	
6		0.5220	35.24	10.22	45.46	56.00	-10.54	QP	
7		0.6419	23.43	10.22	33.65	46.00	-12.35	AVG	
8	*	0.7420	37.70	10.22	47.92	56.00	-8.08	QP	
9		0.7500	21.16	10.22	31.38	46.00	-14.62	AVG	
10		2.7460	27.33	10.30	37.63	56.00	-18.37	QP	
11		4.2619	26.97	10.37	37.34	56.00	-18.66	QP	
12		4.3578	15.24	10.37	25.61	46.00	-20.39	AVG	

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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		0.1620	38.76	10.17	48.93	65.36	-16.43	QP	
2		0.1700	23.98	10.17	34.15	54.96	-20.81	AVG	
3		0.2140	28.97	10.16	39.13	53.05	-13.92	AVG	
4		0.2500	34.64	10.16	44.80	61.76	-16.96	QP	
5		0.4300	25.41	10.16	35.57	47.25	-11.68	AVG	
6		0.4980	33.45	10.17	43.62	56.03	-12.41	QP	
7		0.5700	34.19	10.16	44.35	56.00	-11.65	QP	
8		0.6460	24.19	10.16	34.35	46.00	-11.65	AVG	
9	*	0.7500	35.72	10.17	45.89	56.00	-10.11	QP	
10		0.7500	22.16	10.17	32.33	46.00	-13.67	AVG	
11		2.6020	28.54	10.23	38.77	56.00	-17.23	QP	
12		2.6820	16.29	10.23	26.52	46.00	-19.48	AVG	

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5.2 Radiated Emissions (9kHz-30MHz)

Test Requirement:	18.305				
Test Limit:	Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
	Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500	25	300
			500 or more	$25 \times \text{SQRT}(\text{power}/500)$	300 (1)
		Any non-ISM frequency	Below 500	15	300
			500 or more	$15 \times \text{SQRT}(\text{power}/500)$	300 (1)
	Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz	Any	10	1,600
		Above 5,725 MHz	Any	(2)	(2)
	Medical diathermy	Any ISM frequency	Any	25	300
		Any non-ISM frequency	Any	15	300
	Ultrasonic	Below 490 kHz	Below 500	$2,400/F(\text{kHz})$	300
			500 or more	$2,400/F(\text{kHz}) \times \text{SQRT}(\text{power}/500)$	300 (3)
		490 to 1,600 kHz	Any	$24,000/F(\text{kHz})$	30
		Above 1,600 kHz	Any	15	30
	Induction cooking ranges	Below 90 kHz	Any	1,500	30 (4)
		On or above 90 kHz	Any	300	30 (4)
(1) Field strength may not exceed 10 $\mu\text{V}/\text{m}$ at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts. (2) Reduced to the greatest extent possible. (3) Field strength may not exceed 10 $\mu\text{V}/\text{m}$ at 1600 meters. Consumer equipment is not permitted the increase in field strength otherwise permitted here for over 500 watts. (4) Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscellaneous ISM equipment.					
Note:					

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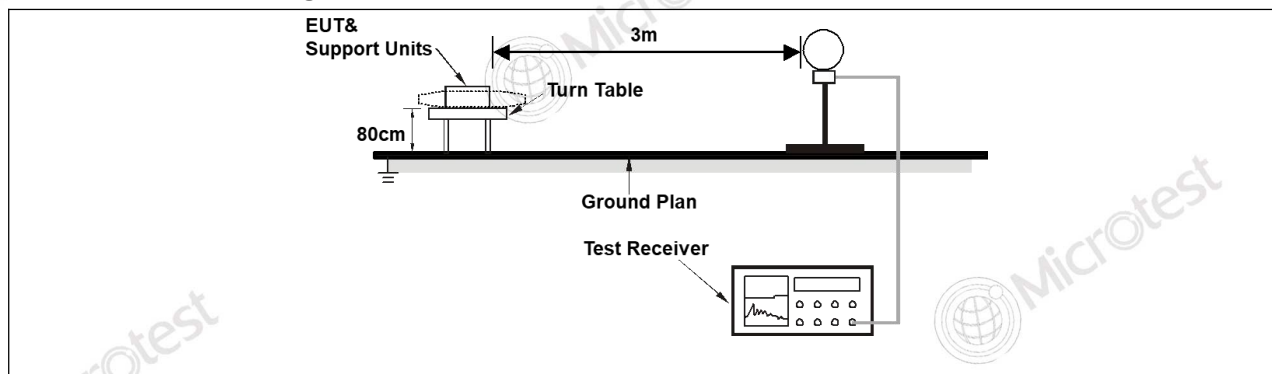
	Max power is 735W Limit= $20\lg(25 \cdot \text{SQRT}(\text{power}/500)) + 20\lg(300/3)$ @ 3m distance. The limit for radiated test was performed according to; The tighter limit applies at the band edges; Emission level (dBuV/m) = $20\lg$ Emission level (uV/m), 3m Emission level = 300m Emission level + $20\lg(300\text{m}/3\text{m})$;
Test Method:	MP-5 Clause 5/6
Procedure:	Frequency range: 9KHz-30MHz An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by loop antenna with 2 orthogonal polarities. The red line show in graphic is the limit in standard used in this section. Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

5.2.1 E.U.T. Operation:

Operating Environment:

Temperature:	22.4 °C	Humidity:	53 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1				
Final test mode:	Mode1				

5.2.2 Test Setup Diagram:

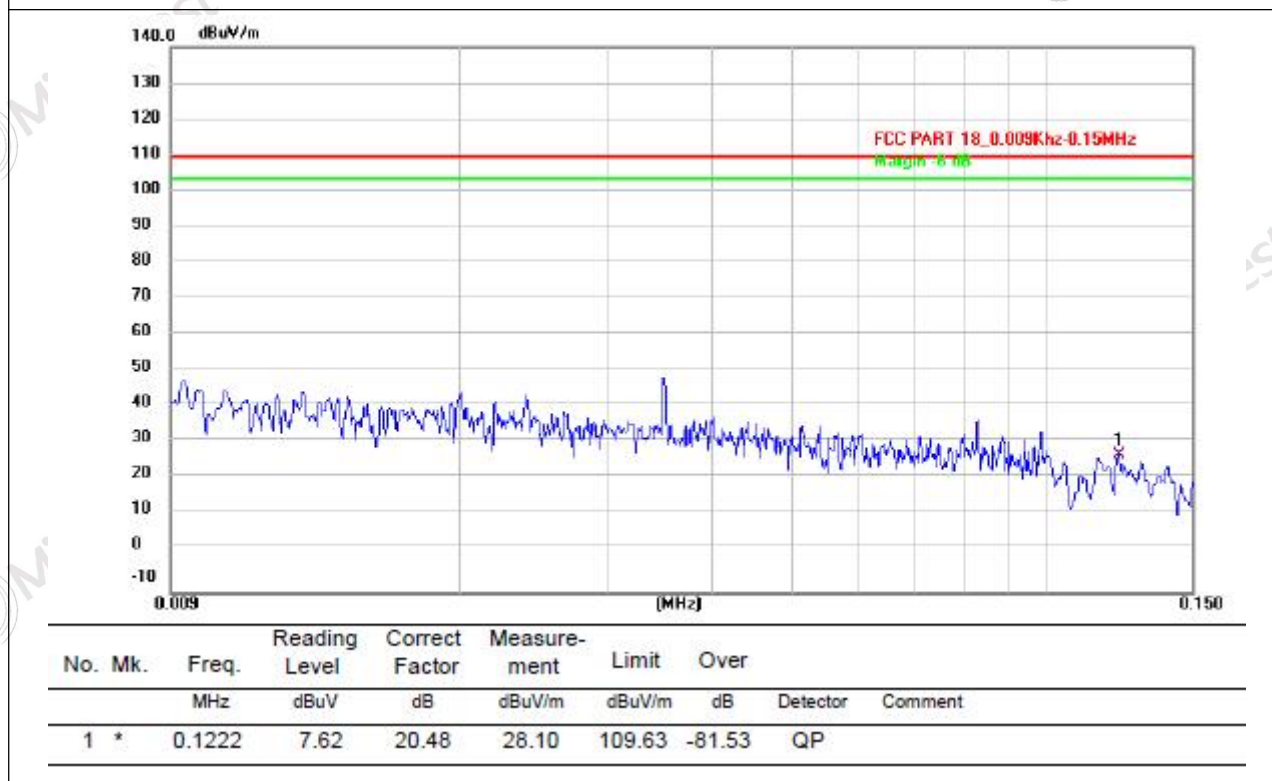


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5.2.3 Test Data:

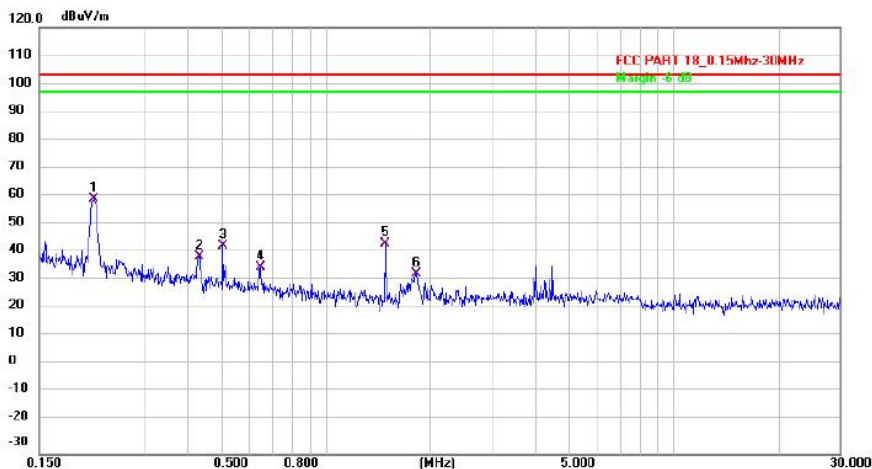
Mode1 / Polarization: Horizontal



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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	*	0.2131	39.08	20.76	59.84	103.50	-43.66	QP	
2		0.4305	18.50	21.24	39.74	103.50	-63.76	QP	
3		0.5047	21.74	21.40	43.14	103.50	-60.36	QP	
4		0.6474	14.03	21.76	35.79	103.50	-67.71	QP	
5		1.4796	20.39	23.58	43.97	103.50	-59.53	QP	
6		1.8096	9.44	24.26	33.70	103.50	-69.80	QP	

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5.3 Radiated Emissions (30MHz-1000MHz)

Test Requirement:	18.305				
Test Limit:	Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
	Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500	25	300
			500 or more	$25 \times \text{SQRT}(\text{power}/500)$	300 (1)
		Any non-ISM frequency	Below 500	15	300
			500 or more	$15 \times \text{SQRT}(\text{power}/500)$	300 (1)
	Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz	Any	10	1,600
		Above 5,725 MHz	Any	(2)	(2)
	Medical diathermy	Any ISM frequency	Any	25	300
		Any non-ISM frequency	Any	15	300
	Ultrasonic	Below 490 kHz	Below 500	$2,400/F(\text{kHz})$	300
			500 or more	$2,400/F(\text{kHz}) \times \text{SQRT}(\text{power}/500)$	300 (3)
		490 to 1,600 kHz	Any	$24,000/F(\text{kHz})$	30
		Above 1,600 kHz	Any	15	30
	Induction cooking ranges	Below 90 kHz	Any	1,500	30 (4)
		On or above 90 kHz	Any	300	30 (4)
	(1) Field strength may not exceed 10 $\mu\text{V}/\text{m}$ at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts. (2) Reduced to the greatest extent possible. (3) Field strength may not exceed 10 $\mu\text{V}/\text{m}$ at 1600 meters. Consumer equipment is not permitted the increase in field strength otherwise permitted here for over 500 watts. (4) Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscellaneous ISM equipment.				
	Note:				

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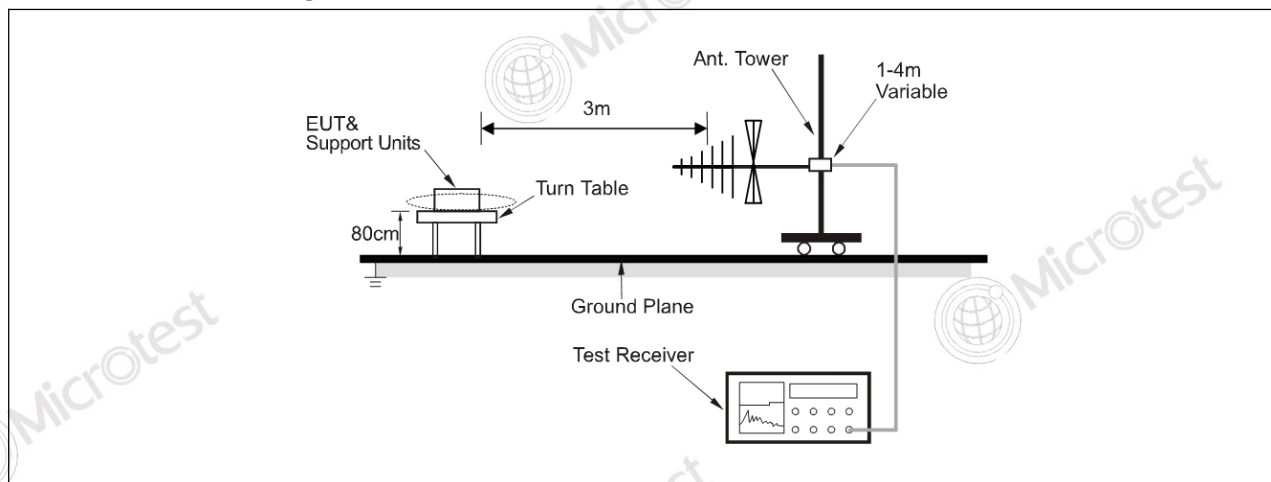
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	Max power is 735W Limit= $20\lg(25 \cdot \text{SQRT}(\text{power}/500)) + 20\lg(300/3)$ @ 3m distance. The limit for radiated test was performed according to; The tighter limit applies at the band edges; Emission level (dBuV/m) = $20\lg$ Emission level (uV/m), 3m Emission level = 300m Emission level + $20\lg(300\text{m}/3\text{m})$;
Test Method:	MP-5 Clause 5/6
Procedure:	Frequency range: 30MHz-1000MHz 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

5.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.4 °C	Humidity:	53 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1				
Final test mode:	Mode1				

5.3.2 Test Setup Diagram:



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5.3.3 Test Data:

Mode1 / Polarization: Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		43.8119	40.12	-7.56	32.56	69.63	-37.07	QP	
2		81.7831	48.23	-12.64	35.59	69.63	-34.04	QP	
3	*	102.7192	46.51	-7.88	38.63	69.63	-31.00	QP	
4		112.9196	45.44	-7.96	37.48	69.63	-32.15	QP	
5		141.8262	46.79	-9.79	37.00	69.63	-32.63	QP	
6		221.3917	40.22	-8.49	31.73	69.63	-37.90	QP	

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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	44.5867	42.23	-7.48	34.75	69.63	-34.88	QP	
2	49.1865	41.74	-7.25	34.49	69.63	-35.14	QP	
3 *	62.6505	46.36	-9.72	36.64	69.63	-32.99	QP	
4	72.5913	44.69	-11.44	33.25	69.63	-36.38	QP	
5	93.4402	42.79	-11.52	31.27	69.63	-38.36	QP	
6	102.0013	38.63	-7.95	30.68	69.63	-38.95	QP	

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Photographs of the test setup

Refer to Appendix - Test Setup Photos

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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 *****