

FCC SDoC Test Report

For

Applicant name: UNNECTO HOLDING LIMITED
Address: 13/F HARBOUR COMMERCIAL BUILDING 122-124 CONNAUGHT ROAD CENTRAL SHEUNG WAN HK
EUT name: Mobile Phone
Brand name: unnecto TM
Model Name: Eco 1
Series model number: N/A
FCC ID: 2ADR3UE001

Issued By

Company name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

Report number: BTF251210E00501
Test standards: 47 CFR Part 15, Subpart B
Test conclusion: Pass

Date of sample receipt: 2026-01-20
Test date: 2026-01-20 to 2026-02-06
Date of issue: 2026-03-17

Prepared by: 
Chris Liu / Project engineer

Approved by:



Ryan Cui EMC Manager

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue Date	Revisions Content
R_V0	2026-03-17	Original
<i>Note:</i> <i>Once the revision has been made, then previous versions reports are invalid.</i>		

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1 Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Phone number:	+86-0755-23146130
Fax number:	+86-0755-23146130

1.2 Laboratory Facility

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

- **FCC - Designation No.: CN1409**
BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 695374.
- **CNAS - Registration No.: CNAS L17568**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.
- **A2LA - Registration No.: 6660.01**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.
- (7) All entrusted information in this report is provided by the client and has been confirmed through consultation with the client; The testing items for this report have been discussed and confirmed with the client, and our company is only responsible for the content reflected in the report.

2 Product Information

2.1 Application Information

Company name:	UNNECTO HOLDING LIMITED
Address:	13/F HARBOUR COMMERCIAL BUILDING 122-124 CONNAUGHT ROAD CENTRAL SHEUNG WAN HK

2.2 Manufacturer Information

Company name:	Shenzhen Water World Information Co., LTD
Address:	3rd Floor, Building 3, Dexinchang Smart Park, No. 23, Heping Road, Qinghua Community, Longhua Sub-district, Longhua District, Shenzhen City

2.3 Factory Information

Company name:	Luzhou Chiteng Technology co.,LTD
Address:	5th Floor, Building 16, Intelligent Terminal Industrial Park, Section 5, Jiugu Avenue, Tai'an Town, Jiangyang District, Luzhou City, Sichuan Province, P.R.China

2.4 General Description of Equipment under Test (EUT)

EUT name:	Mobile Phone
Under test model name:	Eco 1
Ratings:	Li-ion polymer Battery DC 3.85V 4000mAh 15.4Wh Input:5.0V $\pm$ 1.0A
Adapter:	Power Adapter: Model: ES568C-US-0500100 Input: 100-240V~50/60Hz, 0.3A Output: 5.0V $\pm$ 1.0A

3 Summary of Test Results

3.1 Test Standards

The tests were performed according to following standards:
47 CFR Part 15, Subpart B: Unintentional Radiators

3.2 Uncertainty of Test

Measurement	Value
Conducted Emission for LISN (150kHz ~ 30MHz)	±2.45 dB
Radiated Emission (30MHz ~ 1000MHz)	±4.80 dB
Radiated Emission (1GHz ~ 18GHz)	±4.82 dB
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3.3 Summary of Test Result

Item	Standard	Requirement	Result
Conducted emissions on AC mains	47 CFR Part 15, Subpart B	15.107, Class B	Pass
Radiated emissions (Below 1GHz)	47 CFR Part 15, Subpart B	15.109, Class B	Pass
Radiated emissions (Above 1GHz)	47 CFR Part 15, Subpart B	15.109, Class B	Pass
Remark: 1. <i>Pass: Meet the requirements.</i> 2. <i>N/A: not applicable.</i>			

3.4 Additions to, deviations, or exclusions from the method

None

4 Test Configuration

4.1 Test Equipment List

Conducted emissions on AC mains					
Test Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Test Software	Frad	EZ_EMC	Version: EMC-CON 3A1.1+	/	/
EMI Receiver	Rohde & Schwarz	ESCI3	101422	2025-10-17	2026-10-16
V-LISN	Schwarzbeck	NSLK 8127	01073	2025-08-23	2026-08-22
Coaxial Switcher	Schwarzbeck	CX210	CX210	/	/
Pulse Limiter	Schwarzbeck	VTSD 9561-F	00953	/	/
LISN-Cable	REBES Talent	LISN9K30M	21101580	2025-08-23	2026-08-22

Radiated emissions (Below 1GHz) Radiated emissions (Above 1GHz)					
Test Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Test Software	Frad	EZ_EMC	Version: FA-03A2 RE+	/	/
EMI Receiver	Rohde & Schwarz	ESCI7	101032	2025-10-17	2026-10-16
Signal Analyzer	Rohde & Schwarz	FSQ40	100010	2025-10-17	2026-10-16
Log periodic antenna	Schwarzbeck	VULB 9168	01328	2025-10-18	2026-10-17
Preamplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9744	00246	2025-05-26	2026-05-25
BELOW-Cable	REBES Talent	9K1G	21101576	2025-08-23	2026-08-22
Horn Antenna	Schwarzbeck	BBHA9120D	2597	2025-10-18	2026-10-17
Preamplifier (1GHz ~ 18GHz)	Schwarzbeck	BBV9718D	00008	2025-10-18	2026-10-17
Preamplifier	TSTPASS	LNA10180G45	TS2215007	2025-05-26	2026-05-25
ABOVE-Cable	REBES Talent	1~18G	21101558	2025-08-23	2026-08-22
Horn Antenna	SCHWARZBECK	BBHA9170	1157	2025-10-18	2026-10-17
Low Noise Pre-amplifier	Sket	LNPA_1840G-50	SK2022032902	2025-10-17	2026-10-16
ABOVE-Cable2	REBES Talent	18~40G	21101686	2025-08-23	2026-08-22
ABOVE-Cable1	REBES Talent	18~40G	21101687	2025-08-23	2026-08-22

4.2 Test Auxiliary Equipment

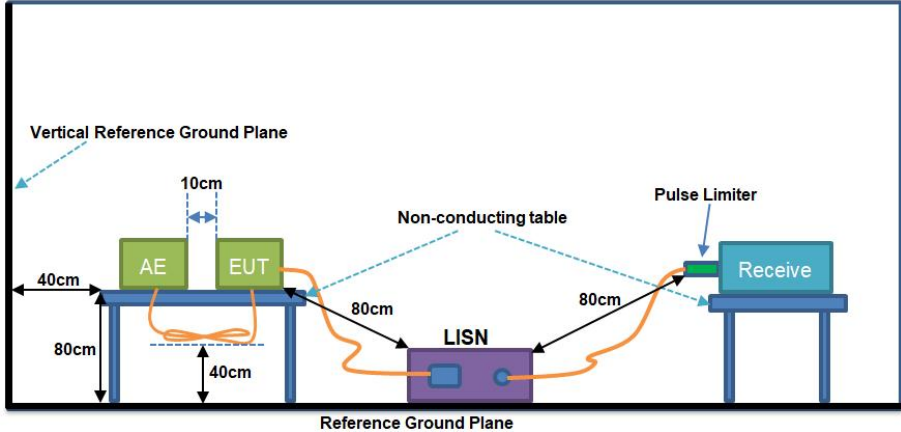
The EUT has been tested as an independent unit.

4.3 Test Modes

No.	Test Modes
TM1	Working

5 Emission Test Results (EMI)

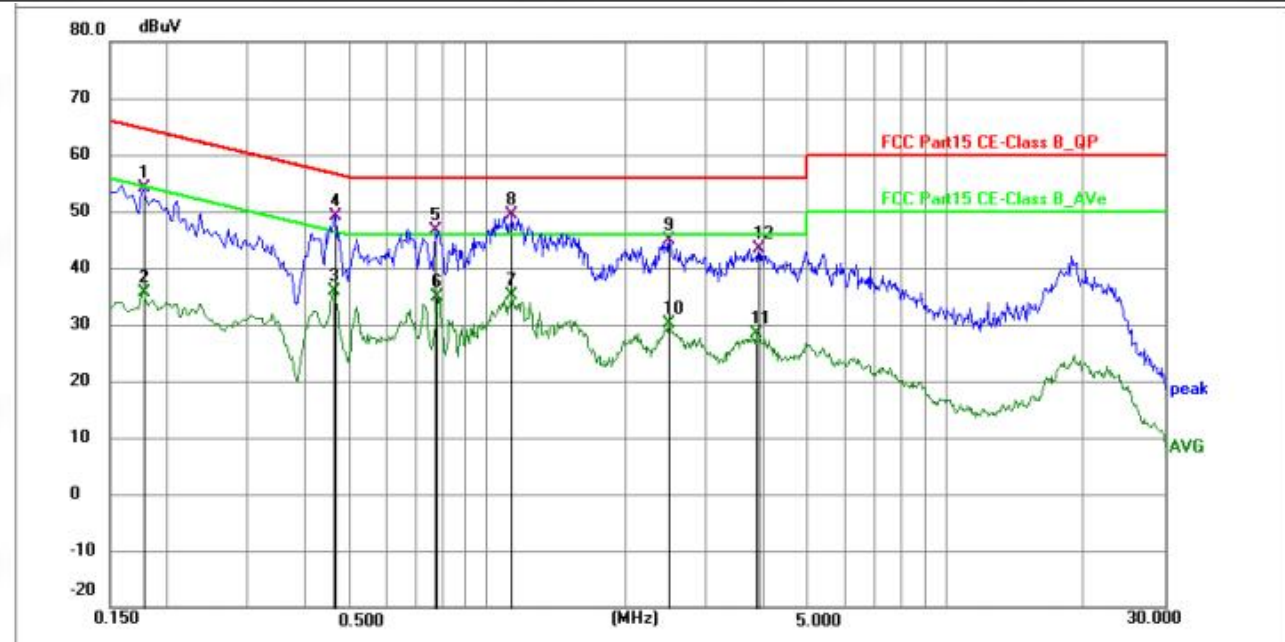
5.1 Conducted emissions on AC mains

Test Requirement:	15.107, Class B		
Test Method:	ANSI C63.4a-2017		
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.			
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		
Test Setup:			
Operating Environment:			
Temperature:	24.4 °C		
Humidity:	54.7 %		
Atmospheric Pressure:	1010 mbar		
Test voltage:	AC 120V 60Hz		

5.1.1 Test Data

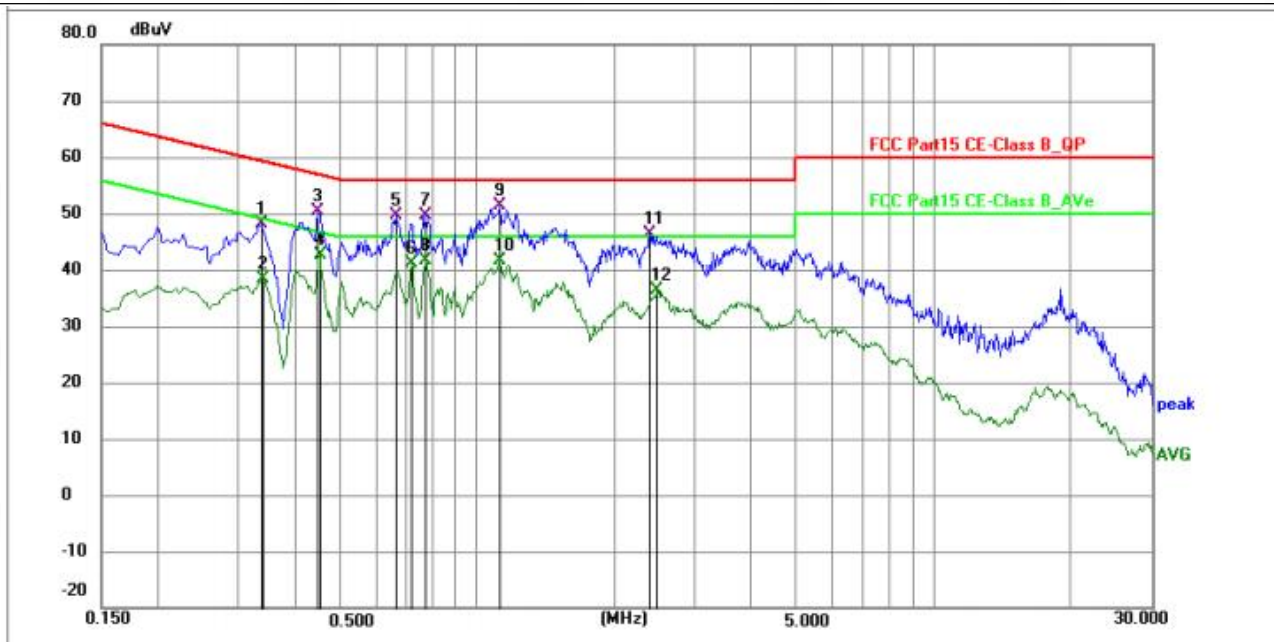
Remark: The report only reflects the test data of worst mode.

TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1770	44.02	10.20	54.22	64.63	-10.41	QP	P	
2	0.1770	25.53	10.20	35.73	54.63	-18.90	AVG	P	
3	0.4605	25.76	10.11	35.87	46.68	-10.81	AVG	P	
4	0.4650	39.03	10.11	49.14	56.60	-7.46	QP	P	
5	0.7710	36.55	10.12	46.67	56.00	-9.33	QP	P	
6	0.7799	24.87	10.11	34.98	46.00	-11.02	AVG	P	
7	1.1265	25.03	10.17	35.20	46.00	-10.80	AVG	P	
8 *	1.1310	39.17	10.17	49.34	56.00	-6.66	QP	P	
9	2.4990	34.78	10.22	45.00	56.00	-11.00	QP	P	
10	2.4990	19.81	10.22	30.03	46.00	-15.97	AVG	P	
11	3.8534	18.11	10.24	28.35	46.00	-17.65	AVG	P	
12	3.9120	33.15	10.25	43.40	56.00	-12.60	QP	P	

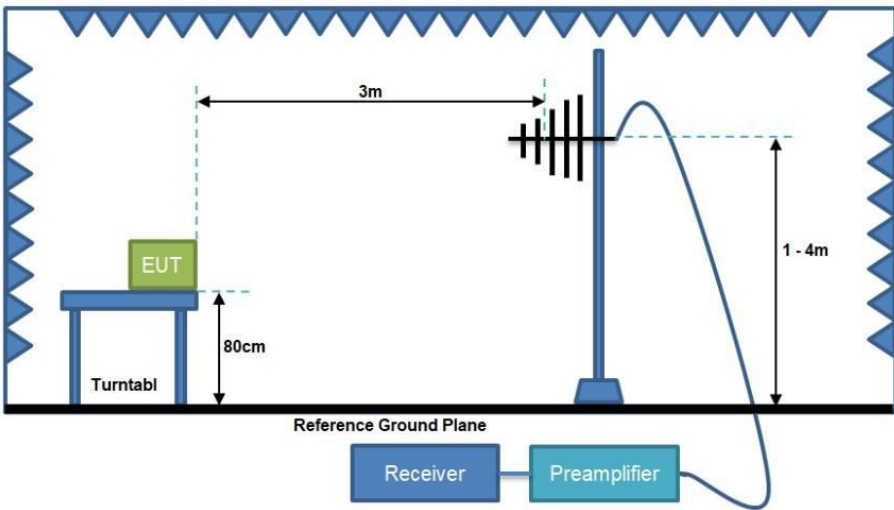
TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.3345	37.94	10.12	48.06	59.34	-11.28	QP	P	
2	0.3390	28.20	10.12	38.32	49.23	-10.91	AVG	P	
3	0.4470	40.13	10.13	50.26	56.93	-6.67	QP	P	
4 *	0.4515	32.57	10.14	42.71	46.85	-4.14	AVG	P	
5	0.6630	39.42	10.15	49.57	56.00	-6.43	QP	P	
6	0.7170	30.87	10.15	41.02	46.00	-4.98	AVG	P	
7	0.7710	39.53	10.15	49.68	56.00	-6.32	QP	P	
8	0.7710	31.36	10.15	41.51	46.00	-4.49	AVG	P	
9	1.1174	41.27	10.17	51.44	56.00	-4.56	QP	P	
10	1.1174	31.37	10.17	41.54	46.00	-4.46	AVG	P	
11	2.3955	36.09	10.22	46.31	56.00	-9.69	QP	P	
12	2.4855	26.12	10.22	36.34	46.00	-9.66	AVG	P	

Note:Margin=Level-Limit=Reading+factor-Limit

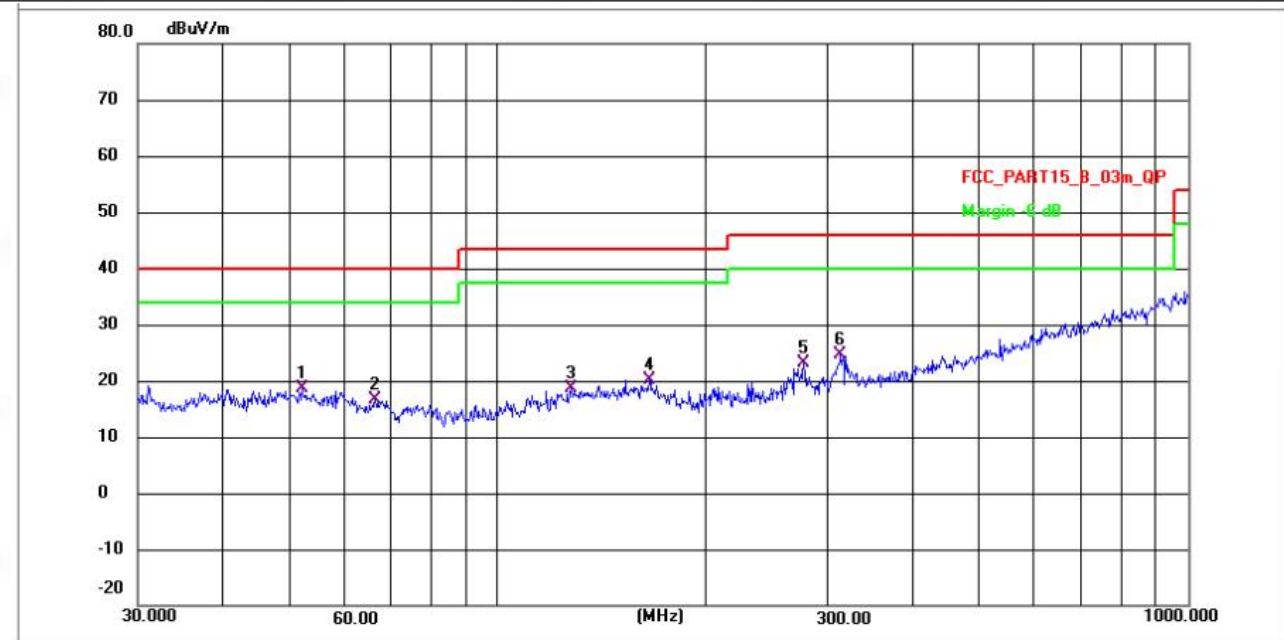
5.2 Radiated emissions (Below 1GHz)

Test Requirement:	15.109, Class B					
Test Method:	ANSI C63.4a-2017					
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:					
	Frequency of emission (MHz)	Field strength @3m		Field strength @10m		
		(uV/m)	(dBuV/m)	(uV/m)	(dBuV/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		
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					
Test Setup:						
Operating Environment:						
Temperature:	22.2 °C					
Humidity:	47.4 %					
Atmospheric Pressure:	1010 mbar					
Test voltage:	AC 120V 60Hz					

5.2.1 Test Data

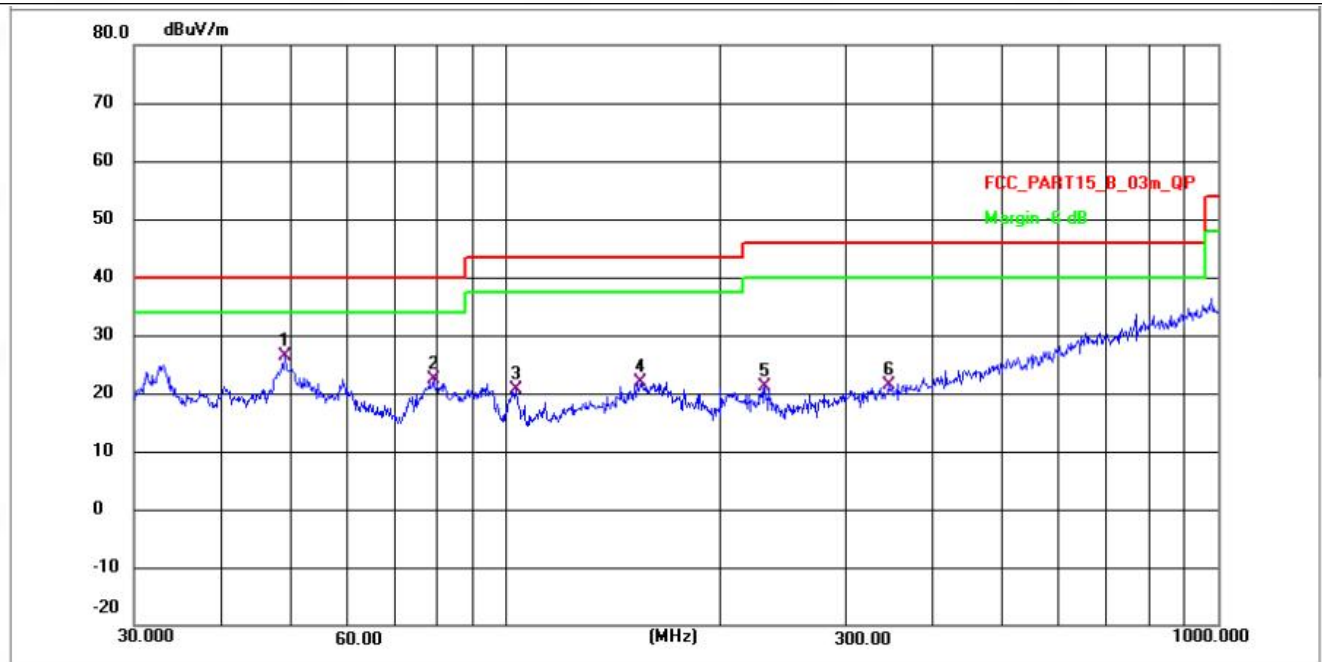
Remark: The report only reflects the test data of worst mode.

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	51.9340	28.18	-9.56	18.62	40.00	-21.38	QP	P
2	66.3825	25.98	-9.42	16.56	40.00	-23.44	QP	P
3	127.6645	46.21	-27.58	18.63	43.50	-24.87	QP	P
4	165.7771	47.27	-27.13	20.14	43.50	-23.36	QP	P
5	277.5798	49.17	-26.00	23.17	46.00	-22.83	QP	P
6 *	314.3765	50.31	-25.65	24.66	46.00	-21.34	QP	P

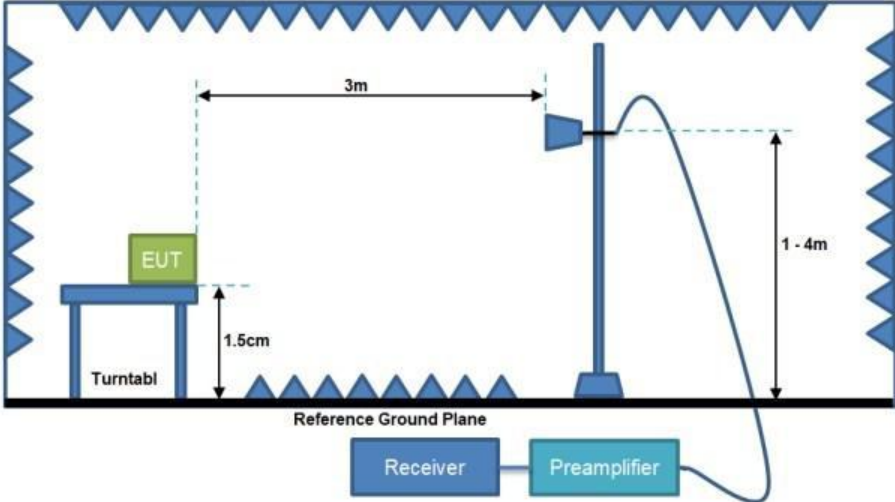
TM1 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	49.0145	36.12	-9.62	26.50	40.00	-13.50	QP	P
2	79.2426	31.55	-9.29	22.26	40.00	-17.74	QP	P
3	103.4421	29.62	-8.95	20.67	43.50	-22.83	QP	P
4	154.8204	30.81	-8.86	21.95	43.50	-21.55	QP	P
5	231.7179	30.36	-9.29	21.07	46.00	-24.93	QP	P
6	344.9898	29.10	-7.78	21.32	46.00	-24.68	QP	P

Note:Margin=Level-Limit=Reading+factor-Limit

5.3 Radiated emissions (Above 1GHz)

Test Requirement:	15.109, Class B			
Test Method:	ANSI C63.4a-2017			
Test Limit:	Frequency of emission (MHz)	Field strength @3m		
		Average (uV/m)	Average(dBuV/m)	Peak (dBuV/m)
	Above 1GHz	500	54	74
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. For below 1GHz test, Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. For above 1GHz test, Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor			
Test Setup:				
Operating Environment:				
Temperature:	22.9 °C			
Humidity:	46.8 %			
Atmospheric Pressure:	1010 mbar			
Test voltage:	AC 120V 60Hz			

5.3.1 Test Data

Remark: The report only reflects the test data of worst mode.

TM1 / Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1268.815	70.50	-50.00	20.50	74.00	-53.50	peak	P
2	1268.815	60.60	-50.00	10.60	54.00	-43.40	AVG	P
3	2193.783	71.85	-49.67	22.18	74.00	-51.82	peak	P
4	2193.783	62.03	-49.67	12.36	54.00	-41.64	AVG	P
5	3010.267	68.28	-49.19	19.09	74.00	-54.91	peak	P
6	3010.267	58.53	-49.19	9.33	54.00	-44.67	AVG	P
7	4064.065	78.19	-49.36	28.83	74.00	-45.17	peak	P
8	4064.065	68.19	-49.36	18.83	54.00	-35.17	AVG	P
9	5086.153	79.66	-48.72	30.94	74.00	-43.06	peak	P
10	5086.153	68.90	-48.72	20.18	54.00	-33.82	AVG	P
11 *	5656.763	82.59	-48.48	34.11	74.00	-39.89	peak	P
12	5656.763	72.30	-48.48	23.82	54.00	-30.18	AVG	P

TM1 / Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1465.032	69.81	-49.95	19.86	74.00	-54.14	peak	P
2	1465.032	59.66	-49.95	9.71	54.00	-44.29	AVG	P
3	2161.498	71.82	-49.69	22.12	74.00	-51.88	peak	P
4	2161.498	61.87	-49.69	12.18	54.00	-41.82	AVG	P
5	3444.575	67.59	-49.28	18.30	74.00	-55.70	peak	P
6	3444.575	57.53	-49.28	8.25	54.00	-45.75	AVG	P
7	4080.264	77.07	-49.35	27.72	74.00	-46.28	peak	P
8	4080.264	66.53	-49.35	17.18	54.00	-36.82	AVG	P
9	4925.882	78.68	-48.81	29.87	74.00	-44.13	peak	P
10	4925.882	69.17	-48.81	20.36	54.00	-33.64	AVG	P
11 *	5799.276	82.17	-48.42	33.75	74.00	-40.25	peak	P
12	5799.276	71.71	-48.42	23.30	54.00	-30.70	AVG	P

Note: Margin=Level-Limit=Reading+factor-Limit

6 Test Setup Photos

Please refer to Appendix I Test Setup Photos.

7 EUT Constructional Details (EUT Photos)

Please refer to RF Appendix II External Photos and Appendix III Internal Photos.



BTF Testing Lab (Shenzhen) Co., Ltd.

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Bao'an District, Shenzhen, Guangdong, China

www.btf-lab.com

-- END OF REPORT --