



FCC PART 15B Supplier's Declaration of Conformity Report

Product Name:	Portable Blender		
Tested Model:	A6		
Attached Model:	A7,A8		
Trademark:	/		
Applicant:	SHENZHEN BOZHIDA TECHNOLOGY CO.,LTD		
Address:	3rd floor,No.2,A zone,Shangxue technology park,Bantian street,Longgang district, Shenzhen city, Guangdong, P.R.China.		
Manufacturer:	SHENZHEN BOZHIDA TECHNOLOGY CO.,LTD		
Address:	3rd floor,No.2,A zone,Shangxue technology park,Bantian street,Longgang district, Shenzhen city, Guangdong, P.R.China.		
Factory:	SHENZHEN BOZHIDA TECHNOLOGY CO.,LTD		
Address:	3rd floor,No.2,A zone,Shangxue technology park,Bantian street,Longgang district, Shenzhen city, Guangdong, P.R.China.		
Test Laboratory:	Aerospace Testing Technology (Shenzhen) Co., Ltd.		
Address:	3/F, Block A1, No. 5, 8th Road, Shapu Yangyong Industrial Park, Songgang Street, Bao'an District, Shenzhen, Guangdong, China		
Test Standard:	FCC Part 15 B		
Test Result:	PASS		
Report No :	AST2112302002		
Test data:	Dec. 13, 2021 to Dec. 14,2021	Issue Data	: Dec. 17, 2021
<p><i>This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Aerospace Testing Technology (Shenzhen) Co., Ltd.</i></p>			

Tested Engineer

Reviewed Supervisor

Authorized Signatory



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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : Portable Blender
Trademark : /
Model Number : A6,A7,A8
Model differences : The model difference is the appearance color is different, the circuit principle and the structure are the same.
Power Supply : DC5V, 1A
Test Supply : DC5V

1.2. Tested System Details

None.

1.3. Test Uncertainty

Conducted Emission Uncertainty : ± 2.66 dB

Radiated Emission Uncertainty : ± 4.26 dB

1.4. Test Facility

Site Description

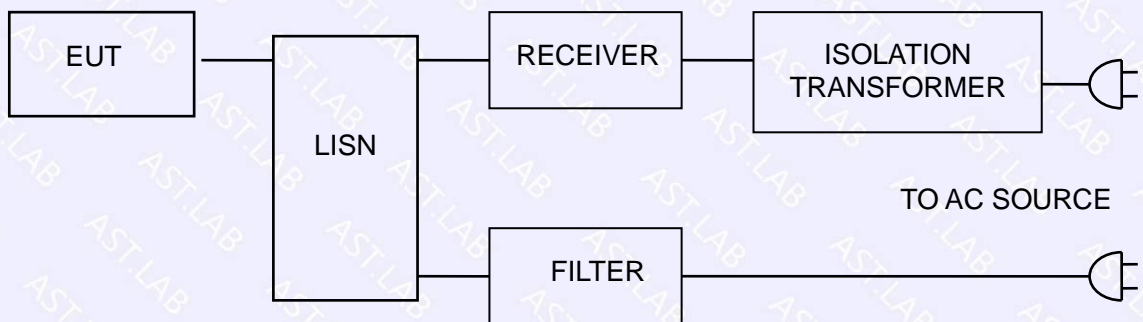
Name of Firm : Aerospace Testing Technology (Shenzhen) Co., Ltd.

Site Location : 3/F, Block A1, No. 5, 8th Road, Shapu Yangyong Industrial Park, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

Test Location : Building A and D, No.1 Hedong Three Road, Jinxia Community, Changan Town, Dongguan City, Guangdong, China

2. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

2.1. Block Diagram Of Test Setup



2.2. Test Standard

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2.3. Power Line Conducted Emission Limit

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

2.4. EUT Configuration on Test

The following equipments are installed on conducted emission test to meet FCC PART 15 B requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

2.5. Operating Condition of EUT

2.5.1 Setup the EUT and simulators as shown in Section 3.1.

2.5.2 Turn on the power of all equipments.

2.5.3 Let the EUT work in test modes and test it.

2.6. Test Procedure

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.

The bandwidth of the test receiver (R&S Test Receiver ESCI) is set at 10KHz.

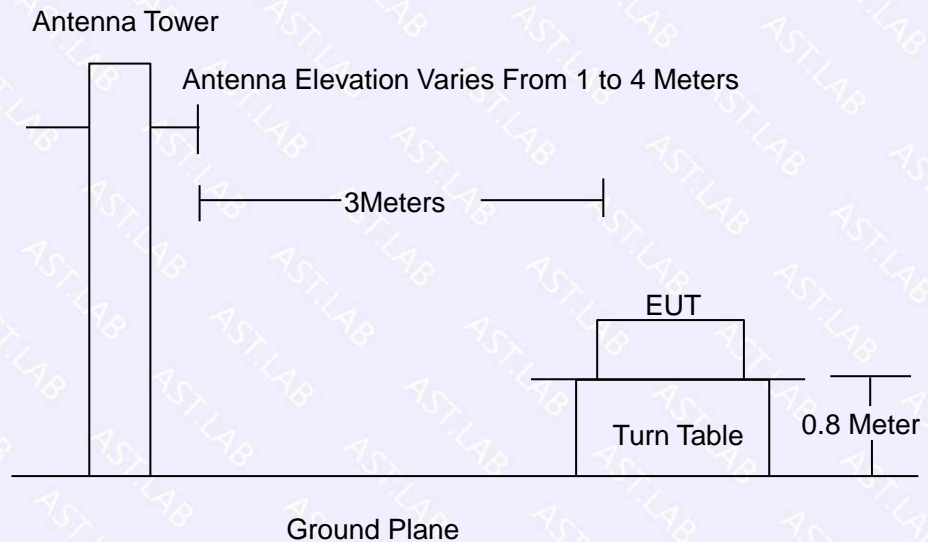
The frequency range from 150 KHz to 30 MHz is investigated.

2.7. Test Result

This test item doesn't apply to the product.

3. RADIATION EMISSION TEST

3.1. Block Diagram of Test Setup



3.2. Test Standard

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3.3. Radiation Limit

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dB μ V/m)
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0

3.4. EUT Configuration on Test

The FCC PART 15 B regulations test method must be used to find the maximum emission during radiated emission test.

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.2.

3.5. Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.2 except the test set up replaced as Section 4.1.

3.6. Test Procedure

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.

The bandwidth setting on the field strength meter (R&S Test Receiver ESCI) is set at 120KHz below 1GHz, set at 1MHz above 1GHz

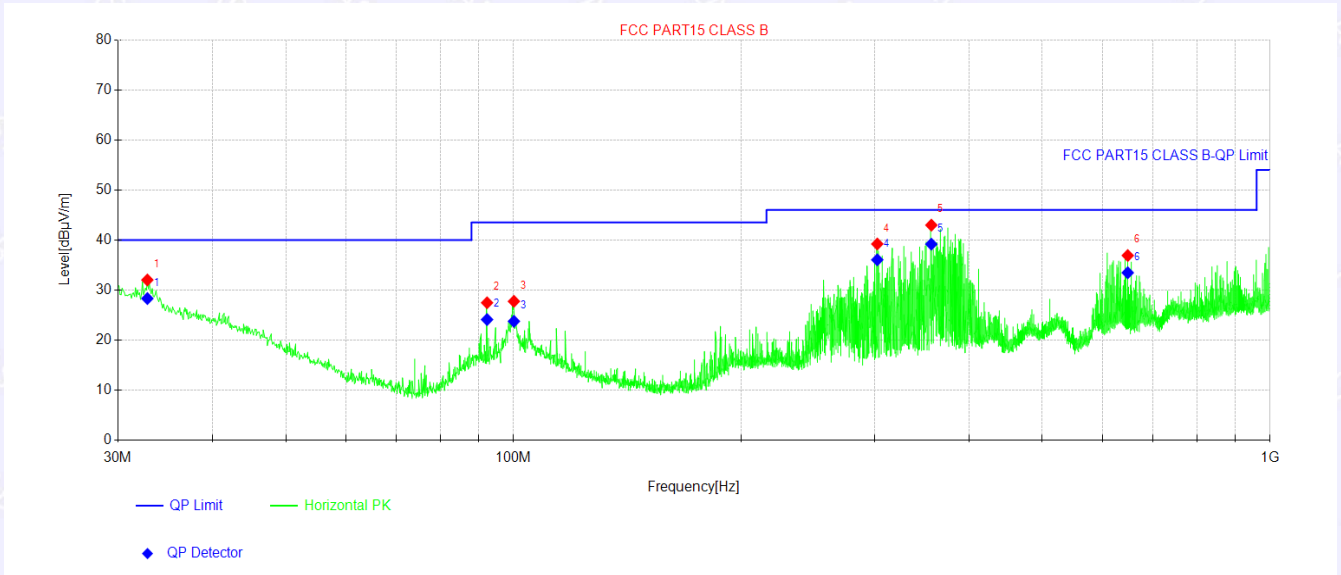
The frequency range from 30MHz to 1000MHz is checked.

The highest frequency of the internal sources of the EUT was below 108MHz, so the measurement was only made up to 1GHz.

3.7. Test Result

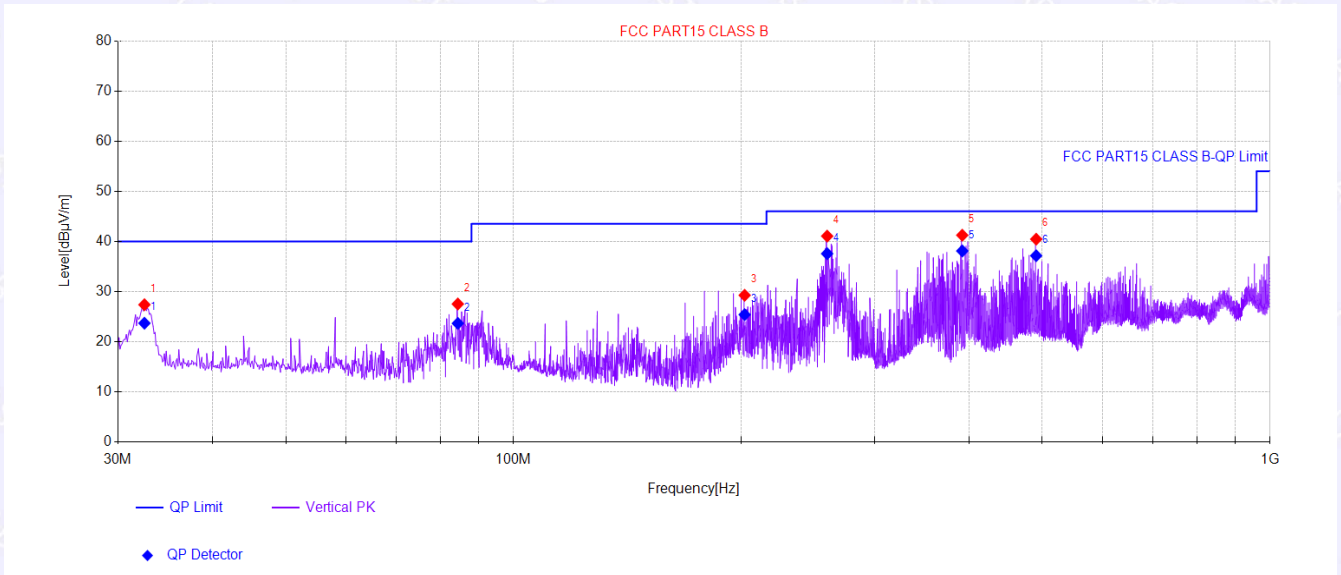
PASS

Radiation Emission Test Data			
Temperature:	25.6°C	Relative Humidity:	54.3%
Pressure:	1009hPa	Phase :	Horizontal
Test Voltage :	/	Test Mode:	Working



Final Test Data									
NO.	Freq. [MHz]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Factor [dB]	Height [cm]	Angle [°]	Polarity	Result
1	32.8130	28.32	40.00	11.68	-0.52	100	281	Horizontal	PASS
2	92.2740	24.12	43.50	19.38	-11.51	100	62	Horizontal	PASS
3	100.1310	23.77	43.50	19.73	-11.17	100	275	Horizontal	PASS
4	302.5700	36.05	46.00	9.95	-9.21	100	110	Horizontal	PASS
5	356.6960	39.18	46.00	6.82	-7.78	100	116	Horizontal	PASS
6	648.4720	33.47	46.00	12.53	-2.60	100	86	Horizontal	PASS

Radiation Emission Test Data			
Temperature:	25.6°C	Relative Humidity:	54.3%
Pressure:	1009hPa	Phase :	Vertical
Test Voltage :	/	Test Mode:	Working



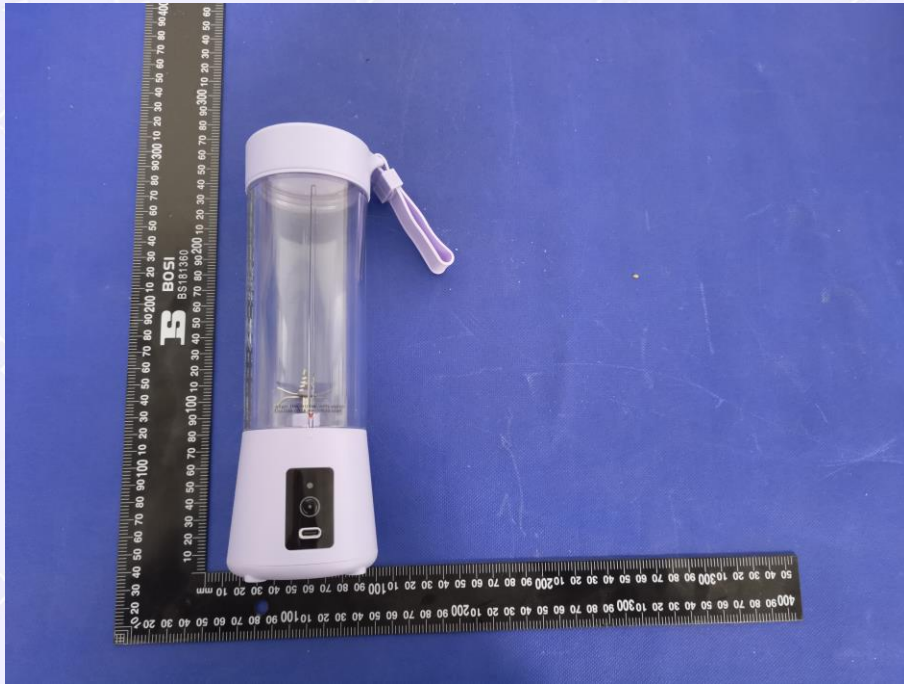
Final Test Data									
NO.	Freq. [MHz]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Factor [dB]	Height [cm]	Angle [°]	Polarity	Result
1	32.5220	23.70	40.00	16.30	-13.22	100	351	Vertical	PASS
2	84.4170	23.67	40.00	16.33	-13.10	100	55	Vertical	PASS
3	202.0780	25.41	43.50	18.09	-8.96	100	297	Vertical	PASS
4	259.7930	37.56	46.00	8.44	-10.08	100	0	Vertical	PASS
5	391.9070	38.10	46.00	7.90	-7.35	100	132	Vertical	PASS
6	490.7500	37.16	46.00	8.84	-3.87	100	0	Vertical	PASS

4. TEST SETUP PHOTOGRAPHS

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5. EUT PHOTOS



Photos 1



Photos 2

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