

Prüfbericht-Nr.: Test report no.:	CN23LES7 002	Auftrags-Nr.: Order no.:	170344181	Seite 1 von 10 Page 1 of 10
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2023-05-31	
Auftraggeber: Client:	Shanghai Anfuote Technology Co., Ltd 4/F, No. 1, Ye Wang Road, Ye Xie Town, Songjiang District, Shanghai, P.R. China			
Prüfgegenstand: Test item:	Portable Power Station			
Bezeichnung / Typ-Nr.: Identification / Type no.:	AFT1000, AFT1300			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	CFR47 FCC Part 1.1310 CFR47 FCC Part 2.1091 KDB 680106 D01 RF Exposure Wireless Charging			
Wareneingangsdatum: Date of sample receipt:	2023-05-31	Please refer to Photo Document		
Prüfmuster-Nr.: Test sample no.:	170344181-001/002			
Prüfzeitraum: Testing period:	2023-10-27 - 2023-10-28			
Ort der Prüfung: Place of testing:	Refer to section 2.1			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Guangdong) Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by: Amy Wang	<i>Amy Wang</i>	genehmigt von: authorized by: Storm Shu	<i>Storm Shu</i>	
Datum: Date: 2023-11-29		Ausstellungsdatum: Issue date: 2023-11-29		
Stellung / Position:	Sachverständige(r)/Expert	Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / Other:	FCC ID: 2BB5I-AFT1000			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Prüfbericht-Nr.: CN23LES7 002
Test report no.:

Seite 2 von 10
Page 2 of 10

Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

Prüfbericht - Nr.: CN23LES7 002
Test Report No.:

Seite 3 von 10
Page 3 of 10

Test Summary

4.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass

Contents

1	GENERAL REMARKS	5
1.1	COMPLEMENTARY MATERIALS	5
2	TEST SITES	6
2.1	TEST FACILITIES	6
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	6
2.3	TRACEABILITY	6
2.4	CALIBRATION	6
2.5	LOCATION OF ORIGINAL DATA.....	6
2.6	STATUS OF FACILITY USED FOR TESTING.....	6
3	GENERAL PRODUCT INFORMATION	7
3.1	PRODUCT FUNCTION AND INTENDED USE.....	7
3.2	RATINGS AND SYSTEM DETAILS	7
4	SAFETY HUMAN EXPOSURE	8
4.1	RADIO FREQUENCY EXPOSURE COMPLIANCE	8
4.1.1	Electromagnetic Fields	8
5	PHOTOGRAPHS OF THE TEST SET-UP	10
6	LIST OF TABLES.....	10

1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

Guangzhou Jingce Testing Technology Co., Ltd

No.192, Kezhu Road, Huangpu District, Guangzhou, Guangdong, China

FCC Accreditation Designation No.: CN1331

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

EMF				
Equipment	Manufacturer	Model	Serial No.	Cal. until
Electric and Magnetic Field Analyzer	Narda	EHP200A	180ZX20526	2024-10-17

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Guangdong) Co., Ltd. file for certification follow-up purposes.

2.6 Status of Facility Used for Testing

Guangzhou Jingce Testing Technology Co., Ltd Test facility located at No.192, Kezhu Road, Huangpu District, Guangzhou, Guangdong, China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The model AFT1000 and AFT1300 are Portable Power Station for Class A MME products with LED lighting and supports wireless charging technologies.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Portable Power Station
Type Designation:	AFT 1000, AFT 1300
FCC ID:	2BB5I-AFT1000
Power Supply:	AC Input: AC 110V, 60Hz DC Input: DC 10-30V AC Output: AC 110V, 50Hz DC Output: DC 12V USB-C Output: DC 5V/3A, DC 9V/3A, DC 12V/3A, DC 20V/5A USB-A Output: DC 5V/3A, DC 9V/2A, DC 12V/1.5A WIRELESS OUTPUT 15W MAX
Battery:	Cell type: lithium-ion cell Cell capacity (rated): 3.6V, 3350mAh Rated capacity: 1013Wh (AFT 1000), 1302Wh (AFT 1300)
Operating Temperature Range:	0°C ~ +40 °C
Technical Specification of WPT	
Frequency Range:	111~205KHz
Type of Modulation:	FSK
Antenna Type:	Induction coil Antenna
Weight	11.61kg (AFT 1000), 12.81Kg (AFT 1300)

4 Safety Human Exposure

4.1 Radio Frequency Exposure Compliance

4.1.1 Electromagnetic Fields

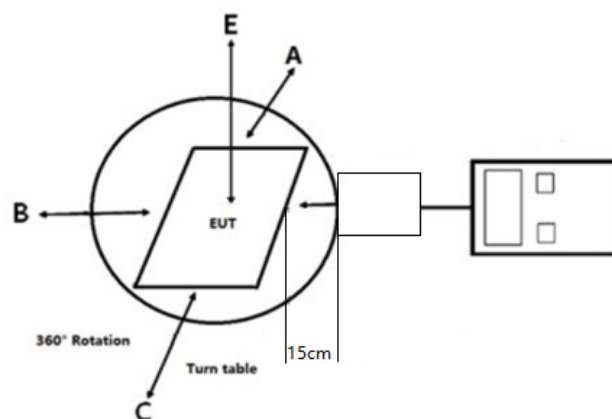
RESULT:
Pass
Test Specification

Test standard : CFR47 FCC Part 1: Subpart I Section 1.1310
FCC CFR 47 Part 1(1.1310) KDB 680106 D01 v03

According to the table 1 of FCC Part 2.1310, the reference limit as below:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f ²	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

Test Setup:


Prüfbericht - Nr.: CN23LES7 002
Test Report No.:Seite 9 von 10
Page 9 of 10**Test Result:**

Table: H-Field Strength at 15 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT.

Test Mode	Measured H-Field Strength Values (A/m)					50% Limit (A/m)	Limit (A/m)	Result
	Test Position Top	Test Position Front	Test Position Rear	Test Position Left	Test Position Right			
1% Battery Level	0.045	0.045	0.030	0.032	0.028	0.815	1.63	Pass
50% Battery Level	0.055	0.028	0.033	0.024	0.030	0.815	1.63	Pass
99% Battery Level	0.064	0.032	0.028	0.026	0.034	0.815	1.63	Pass

5 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

6 List of Tables

Table 1: List of Test and Measurement Equipment.....	6
Table 2: Technical Specification of EUT	7

Appendix A: Photographs of the Test Set-Up

APPENDIX A: PHOTOGRAPHS OF THE TEST SET-UP	1
PHOTOGRAPH 1: SET-UP PHOTO FOR SAFETY HUMAN EXPOSURE	2

Photograph 1: Set-up photo for Safety Human Exposure

