

Report No.: 182511C400004101 FCC ID: 2BASNH700MV1000 Page 1 of 22

FCC Test Report

Applicant	: Huizhou Intelligent Energy Co., Ltd.
Address	8-9/F, Bldg.E2, Qunyi Industrial Park, Sanhe : Avenue, Tonghu Town, Zhongkai High-tech
atek anbotek	Zone, HuiZhou, China

Product Name PORTABLE POWER STATION

Report Date

Jul. 15, 2024



Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755-26066440 Fax:(86) 0755-26014772 Email:service@anbotek.com





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TEST REPORT

Applicant :	Huizhou Intelligent Energy Co., Ltd.
Manufacturer :	Huizhou Intelligent Energy Co., Ltd.
Product Name :	PORTABLE POWER STATION
Model No. :	H700
Trade Mark :	N/A net mootel Andore
Rating(s) :	Please see page 6.

Test Standard(s) FCC Part15 Subpart C, Paragraph 15.209 Test Method(s) ANSI C63.10: 2020

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt

Jun. 12, 2024

Date of Test

Jun. 13, 2024 to Jun. 17, 2024

Nian Xiu Chen

(Nianxiu Chen)

Idward pan

(Edward Pan)

Shenzhen Anbotek Compliance Laboratory Limited

Approved & Authorized Signer

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Code:AB-RF-05-b Hotline. 400-003-0500 www.anbotek.com.cn



Prepared By



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Revision History

Report Version	Description	Issued Date
Ante R00 otek Ante	Original Issue.	Jul. 15, 2024
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1. General Information

1.1. Client Information

p.c.	and how he had he had
Applicant	: Huizhou Intelligent Energy Co., Ltd.
Address	8-9/F, Bldg.E2, Qunyi Industrial Park, Sanhe Avenue, Tonghu Town, Zhongkai High-tech Zone, HuiZhou, China
Manufacturer	: Huizhou Intelligent Energy Co., Ltd.
Address	8-9/F, Bldg.E2, Qunyi Industrial Park, Sanhe Avenue, Tonghu Town, Zhongkai High-tech Zone, HuiZhou, China
Factory	: Huizhou Intelligent Energy Co., Ltd.
Address	8-9/F, Bldg.E2, Qunyi Industrial Park, Sanhe Avenue, Tonghu Town, Zhongkai High-tech Zone, HuiZhou, China

1.2. Description of Device (EUT)

Product Name	:	PORTABLE POWER STATION
Model No.	:	H700 H700 Harborek Anborek Anborek Anborek Anborek
Trade Mark	:	N/A Anborek Anborek Anborek Anborek Anborek Anborek Anb
Test Power Supply	:	AC 120V, 60Hz/ DC 22.4V Battery inside
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A polet public and public public public and public an
RF Specification		
Operation Frequency	:	110.1-205kHz
Modulation Type	:	ASK Mular Model Mulare Mulare Mularet
Antenna Type	:	Inductive loop coil Antenna
Remark: 1) All of the I	RF :	specification are provided by customer. 2) For a more detailed features

description, please refer to the manufacturer's specifications or the User's Manual.

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Rating(s):

PORTABLE POWER STATION

• Type: H700

- Battery Capacity: 22.4V, 30Ah/672Wh
 AC Input: 100V-130V~5A, 60Hz, 600W
 PV Input: DC 12V-55V∞12A, 240W Max

- AC Output ×2: Pure Sine Wave 120V-60Hz, 700W
 AC Output ×2: + Cigarette Lighter Socket Output: Total 12V-10A
 USB-A Output ×2: 5V-3A, 9V-2A, 12V-1.5A, 18W Max
 USB-C Output ×2: 5V/9V/12V/15V/20V-3A, 20V-5A, 100W Max
- Wireless Charge: 10W

- Operating Temp: 14 to 104°F (-10 to 40°C)
 Charging Temp: 32 to 104°F (0 to 40°C)
 Manufacturer: Huizhou Intelligent Energy Co., Ltd.
- Date Code:

H700IIM V1.0.00	
3.06.04.0656	

Operation is subject to the following ful interference, and (2) this device



WARNING!

- Do not short-circuit the unit. To avoid short-circuiting, keep the unit away from all metal objects (e.g.coins, hair-pins, keys, etc.).
 Do not heat the unit, or dispose of it in fire, water or other liquids. Keep away from high

- Do not heat the unit, or dispose of it in fire, water or other inquids. Keep away norming temperatures.
 Do not to pose the unit to direct sunlight. Keep away from high humidity, dusty places.
 Do not disassemble or reassemble this unit.
 Do not drop and place heavy objects on, or allow strong impact to this unit.
 This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
 Children should be supervised to ensure that they do not play with the appliance.
 The unit may become hot when charging. This is normal. Be careful when handling.
 Use the unit properly to avoid electronic shock.
 The product is only used for emergency power station, it can not replace the standard DC or AC power of household appliances or digital products.
 Do not overcharge the internal battery. See Instruction Manual.

- AVERTISSEMENT!
- Ne court-circuitez pas l'appareil. Pour éviter tout court-circuit, éloignez l'appareil de tout objet mé tallique (par exemple, pièces de monnaie, épingles à cheveux, clès, etc.).
 Ne chauffez pas l'appareil et ne le jetez pas dans le feu, l'eau ou d'autres liquides. Tenir à l'écart des températures élevées. N'exposez pas l'appareil à la lumière directe du

- à l'écart des températures élevées. N'exposez pas l'appareil à la lumière directe du soleil.
 Tenir à l'écart des endroits humides et poussiéreux.
 Ne démontez pas et ne réassemblez pas cet appareil.
 Ne laissez pas tomber, ne placez pas d'objets lourds dessus et ne laissez pas de chocs violents sur cet appareil.
 Cet appareil n'est pas destiné à être utilisé par des personnes(y compris des enfants) ayant des capacités physiques, sensorielles ou mentales réduites, ou un manque d'expérience et de connaissances, à moins qu'elles n'aient reçu une supervision ou des instructions concernant.
 L'utilisation de l'appareil par une personne responsable de leur sécurité.
 Les enfants doivent être surveillés pour s'assurer qu'ils ne jouent pas avec l'appareil.
 Utilisez l'appareil correctement pour éviter les chocs électroniques. Le produit n'est utilisé que pour la centrale électrique des appareis, ménager des appareil.
 Vienta correctement pour éviter les chocs úlectroniques. Le produit n'est utilisé que pour la centrale électrique des appareis ménagers ou des produits numériques.
 Ne pas surcharger la batterie interne. Consulter le manuel d'utilisation.

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1.3. Auxiliary Equipment Used During Test

Description	Rating(s)
Wireless charging	Manufacturer: Shenzhen Ouju Technology Co., Ltd.
load:	M/N: CD2577
Anbote And	Power: 5W/7.5W/10W/15W

1.4. Description of Test Modes

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Modes			Descriptions			
hek.	Mode 1	botek	Anboten	WTP Mode (10W	/ 1% Load)	An abotek And
hotek	Mode 2	une abotel	Anboten	WTP Mode (10W	50% Load)	Art obotek
Anbote	Mode 3	Princip	tek Anbote	WTP Mode (10W	99% Load)	K photek
Anb	Mode 4	6 p.	hotek Anbr	Standby M	lode	stek unbotek

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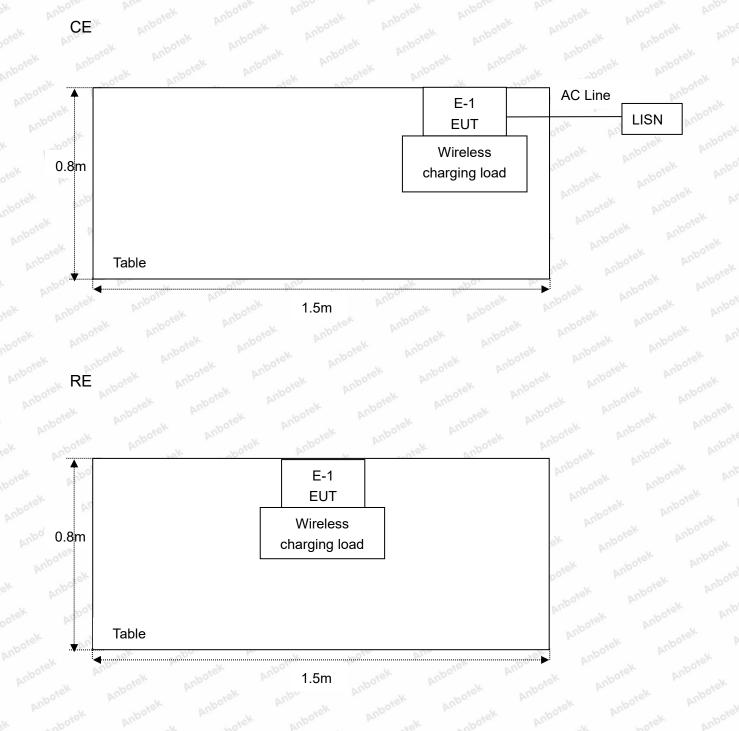
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1.5. Description Of Test Setup



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1.6. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interva
nem	Equipment	wanulacturer	Model No.	Senai No.	Last Cal.	Cal. Interva
Anbo 1. An	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Jan. 18, 2024	1 Year
2.	Three Phase V-type Artificial Power Network	CYBERTEK	EM5040DT	E215040DT00 1	Jan. 17, 2024	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Jan. 17, 2024	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	Jan. 23, 2024	1 Year
5.	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Oct. 12, 2023	1 Year
6.	EMI Preamplifier	SKET Electronic	LNPA-0118G- 45	SKET-PA-002	Jan. 17, 2024	1 Year
A.Toote	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	Oct. 16, 2022	3 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	Oct. 23, 2022	3 Year
9.	Loop Antenna	Schwarzbeck	FMZB1519B	00053	Oct. 12, 2023	1 Year
10.	Horn Antenna	A-INFO	LB-180400-K F	J211060628	Oct. 12, 2023	1 Year
11.	Pre-amplifier	SONOMA	310N	186860	Jan. 17, 2024	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	moote N/A and	N/A	N/A	N/A
13.	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY53280032	Oct. 12, 2023	1 Year
14.	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Oct. 12, 2023	1 Year
15.	Signal Generator	Agilent	E4421B	MY41000743	Oct. 12, 2023	1 Year
16.	DC Power Supply	IVYTECH	IV3605	1804D360510	Oct. 20, 2023	1 Year
17.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS80B	N/A	Oct. 16, 2023	1 Year
18.	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	May. 06, 2024	1 Year

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1.7. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.8dB
Radiated spurious emissions (Below 30MHz)	3.53dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB

The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.8. Description of Test Facility

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

FCC-Registration No.: 434132

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 434132.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

1.9. Disclaimer

- 1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 4. This document may not be altered or revised in any way unless done so by Anbotek 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 authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

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2. Summary of Test Results

Standard Section	Test Item	Result
15.203	Antenna Requirement	PASS
15.207	Conducted Emission Test	PASS
15.205/15.209	Spurious Emission	PASS

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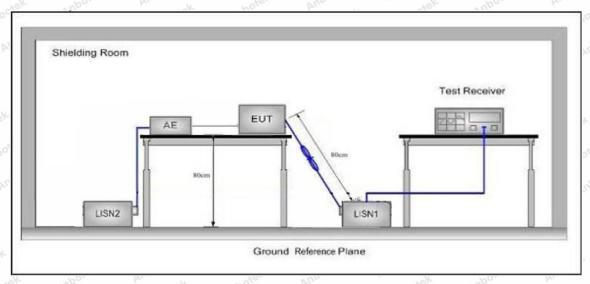
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3. Conducted Emission Test

3.1. Test Standard and Limit

	Frequency	Maximum RF Line Voltage (dBuV)							
	Frequency	Quasi-peak Level	Average Level						
Test Limit	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *						
	500kHz~5MHz	56	46 det						
	5MHz~30MHz	60	50						

3.2. Test Setup



3.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10: 2020 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

3.4. Test Data

PASS

During the test, pre-scan all modes, only the worst case is recorded in the report. Please to see the following pages.

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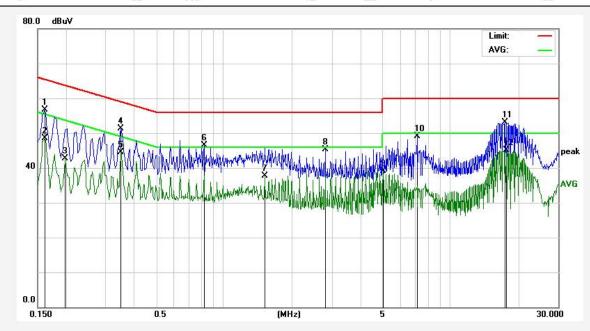
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Conducted	Emission	Test	Data

Test Site:	1# Shielded Room
Operating Condition:	Mode 3
Test Specification:	AC 120V, 60Hz
Comment:	Live Line
Temp.(℃)/Hum.(%RH):	23.8℃/50.6%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark	
1	0.1620	38.78	17.83	56.61	65.36	-8.75	QP	Q	
2	0.1620	30.59	17.83	48.42	55.36	-6.94	AVG		
3	0.1980	24.94	17.82	42.76	53.69	-10.93	AVG		
4	0.3497	33.51	17.82	51.33	58.97	-7.64	QP		30
5	0.3497	26.61	17.82	44.43	48.97	-4.54	AVG		
6	0.8176	28.61	17.87	46.48	56.00	-9.52	QP	2	5
7	1.5180	19.86	17.85	37.71	46.00	-8.29	AVG	11	
8	2.8020	27.53	17.85	45.38	56.00	-10.62	QP		
9	5.0419	21.22	17.86	39.08	50.00	-10.92	AVG		
10	7.1219	31.18	17.90	49.08	60.00	-10.92	QP		e
11	17.5178	34.82	18.22	53.04	60.00	-6.96	QP	h.	
12	17.6779	26.95	18.22	45.17	50.00	-4.83	AVG	8	p

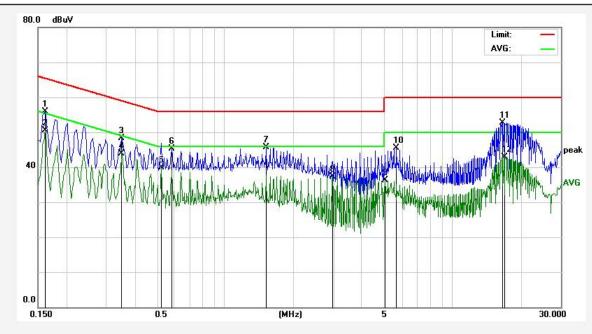
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Conducted Emission Tes	t Data
Test Site:	1# Shielded Room
Operating Condition:	Mode 3
Test Specification:	AC 120V, 60Hz
Comment:	Neutral Line
Temp.(℃)/Hum.(%RH):	23.8℃/50.6%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark	
1	0.1620	38.16	17.83	55.99	65.36	-9.37	QP	0	
2	0.1620	32.61	17.83	50.44	55.36	-4.92	AVG		Ke
3	0.3497	30.46	17.82	48.28	58.97	-10.69	QP		
4	0.3497	26.16	17.82	43.98	48.97	-4.99	AVG		10
5	0.5260	21.99	17.86	39.85	46.00	-6.15	AVG	5	
6	0.5856	27.47	17.86	45.33	56.00	-10.67	QP	9 0	P
7	1.5180	27.95	17.85	45.80	56.00	-10.20	QP	8	
8	2.9620	19.48	17.85	37.33	46.00	-8.67	AVG	8	
9	5.0419	18.48	17.86	36.34	50.00	-13.66	AVG		
10	5.6779	27.63	17.87	45.50	60.00	-14.50	QP		<u></u> 0`
11	16.7179	34.54	18.19	52.73	60.00	-7.27	QP		0
12	17.0379	24.75	18.20	42.95	50.00	-7.05	AVG		Y

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4. Radiation Spurious Emission

4.1. Test Standard and Limit

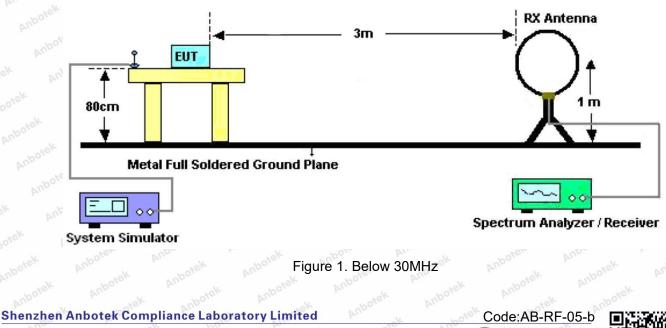
Test Standard	FCC Part15 C Section 1	5.209 and 15.205			stek nbotel
	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	Anbor	Pr. obolek	300
	0.490MHz-1.705MHz	24000/F(kHz)	Anbou	pri nbotek	30
	1.705MHz-30MHz	30	rek _ Anbo	ek - nbotek	30
Test Limit	30MHz~88MHz	100	40.0	Quasi-peak	rek 3 Anbor
	88MHz~216MHz	150	43.5	Quasi-peak	botek 3 Anbo
	216MHz~960MHz	200	46.0	Quasi-peak	Anbotes Ar
	960MHz~1000MHz	500	54.0	Quasi-peak	Anb3
		500	54.0	Average	3
	Above 1000MHz	And borek An	74.0 ^{More}	Peak	ek 3phbote

Remark:

(1)The lower limit shall apply at the transition frequency.

(2) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

4.2. Test Setup

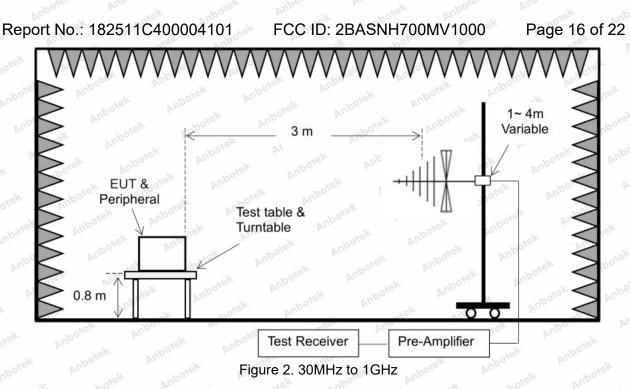


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4.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane. The turn 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 which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9*6*6 Chamber. The device is evaluated in xyz orientation.

For 9kHz to 150kHz, Set the spectrum analyzer as: RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as: RBW = 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as: RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

4.4. Test Data

PASS

During the test, pre-scan all modes, only the worst case is recorded in the report. Please to see the following pages.

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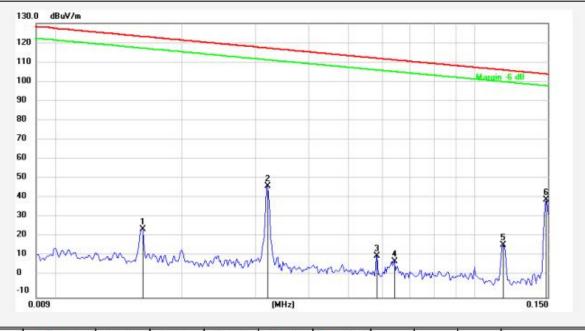
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Test Results (Between 9KHz - 150KHz)

Test Mode:	Mode 3
Distance:	3m
Power Source:	DC 22.4V Battery inside
Temp.(°C)/Hum.(%RH):	23.5℃/49%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor 0	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector		
1	0.0161	4.63	20.28	24.91	123.29	-98.38	QP		
2	0.0321	26.31	20.56	46.87	117.33	-70.46	QP		
3	0.0583	-9.18	20.36	11.18	112.18	-101.00	QP		
4	0.0645	-11.97	20.38	8.41	111.30	-102.89	QP		
5	0.1171	-3.37	20.32	16.95	106.16	-89.21	QP		
6	0.1483	19.43	20.33	39.76	104.12	-64.36	QP		

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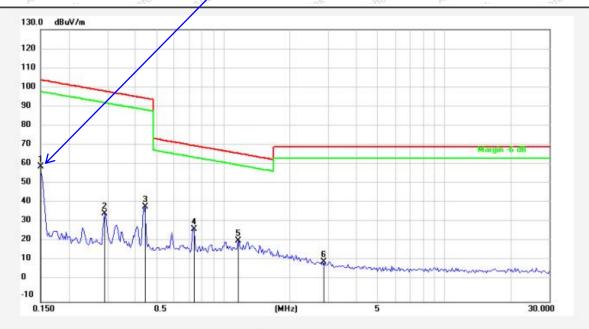
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Test Results (Between 0.15MHz - 30MHz)

Test Mode:	Mode 3
Distance:	3m
Power Source:	DC 22.4V Battery inside
Temp.(℃)/Hum.(%RH):	23.5℃/49%RH
	Fundamental



No.	Freq. (MHz)	Reading (dBuV)	Factor 0	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector		
1	0.1500	39.11	20.33	59.44	104.05	-44.61	QP		
2	0.2924	14.93	20.30	35.23	98.27	-63.04	QP		
3	0.4421	18.50	20.27	38.77	94.69	-55.92	QP		
4	0.7352	6.93	20.25	27.18	70.29	-43.11	QP		
5	1.1719	1.02	20.26	21.28	66.25	-44.97	QP		
6	2.8240	-9.71	20.30	10.59	69.50	-58.91	QP	1	

Remark: According to FCC PART 15.209 (d), the emission limits for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, Radiated emission limits in these three bands are based on measurements employing an average detector.

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Test Results (Between 30MHz –1000 MHz)

Test Mode:	
Distance:	
Power Source	ce:

Polarization:

- 3m DC 22.4V Battery inside
- Horizontal H): 20.3℃/46%RH

Mode 3

Temp.(°C)/Hum.(%RH):



No.	Freq. (MHz)	Reading (dBuV)	Factor ()	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	
1	51.1208	49.74	-16.05	33.69	40.00	-6.31	QP	
2	92.1388	50.02	-16.93	33.09	43.50	-10.41	QP	
3	192.4185	47.63	-15.99	31.64	43.50	-11.86	QP	
4	215.2677	46.80	-15.17	31.63	43.50	-11.87	QP	
5	281.0074	49.58	-14.68	34.90	46.00	-11.10	QP	
6	361.7139	43.99	-12.43	31.56	46.00	-14.44	QP	3

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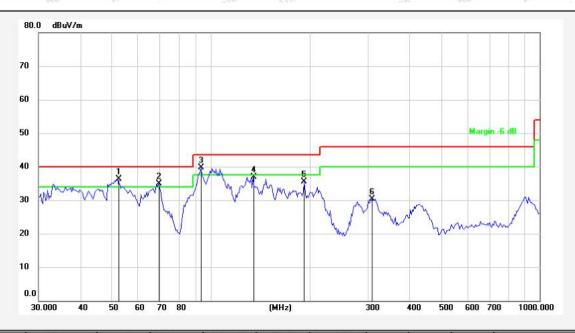
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Test Mode:	Mode 3
Distance:	3m Mart Mart Mart
Power Source:	DC 22.4V Battery inside
Polarization:	Vertical
Temp.(℃)/Hum.(%RH):	20.3℃/46%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor ()	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	
1	52.2079	52.45	-16.10	36.35	40.00	-3.65	QP	
2	69.6004	55.34	-20.35	34.99	40.00	-5.01	QP	
3	93.4402	56.37	-16.75	39.62	43.50	-3.88	QP	
4	134.5592	56.33	-19.39	36.94	43.50	-6.56	QP	
5	192.4185	51.44	-15.99	35.45	43.50	-8.05	QP	
6	309.9977	44.61	-14.34	30.27	46.00	-15.73	QP	

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5. Antenna Requirement

5.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203
Requirement	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

5.2. Antenna Connected Construction

The antenna is a Inductive loop coil Antenna which permanently attached. It complies with the standard requirement.

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APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_RF

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report ------

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