

Report No.: 18360WC40006901 FCC ID: 2BBM4-E300 Page 1 of 22

# FCC Test Report

Applicant

Chongqing Radiance Energy Technology Co.,Ltd.

Address

No.27-3 Feng Sheng Road, Jiu Long Po District, Chongqing City, China.

Product Name : Portable Power Station

Report Date

Jun. 18, 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 :	Chongqing Radiance Energy Technology Co.,Ltd.
Manufacturer :	Chongqing Radiance Energy Technology Co.,Ltd.
Product Name :	Portable Power Station
Test Model No. :	E300
Reference Model No. :	N/A provint Andrew Andrew Andrew Andrew
Trade Mark :	N/A Anbotek Anbotek Anbotek Anbotek
Rating(s) :	Please refer to page 6

Test Standard(s)	:	47 CFR Part 15 Subpart C
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 47 CFR 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 Date of Test May 09, 2024 May 09~ Jun. 12, 2024

Tu Tu Hong

Prepared By

(TuTu Hong)

Bolward pan

(Edward Pan)

#### Shenzhen Anbotek Compliance Laboratory Limited

Approved & Authorized Signer

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# **Revision History**

Report Versio	n	Description			Issued Date			
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Hotline 400–003–0500 www.anbotek.com.cn





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# 1. General Information

# 1.1. Client Information

po-	101	A DP DO' A' A DP
Applicant	:	Chongqing Radiance Energy Technology Co.,Ltd.
Address	:	No.27-3 Feng Sheng Road, Jiu Long Po District, Chongqing City,China.
Manufacturer	:	Chongqing Radiance Energy Technology Co.,Ltd.
Address	:	No.27-3 Feng Sheng Road, Jiu Long Po District, Chongqing City,China.
Factory	:	Chongqing Radiance Energy Technology Co.,Ltd.
Address	:	No.27-3 Feng Sheng Road, Jiu Long Po District, Chongqing City,China.
	Address Manufacturer Address Factory	Address:Manufacturer:Address:Factory:

# **1.2. Description of Device (EUT)**

Product Name		Portable Power Station
	·	
Test Model No.	:	E300 And
Reference Model No.	:	N/Achbore Andrek Anborek Anborek Anborek Anborek
Trade Mark	:	N/A Anborek Anborek Anborek Anb
Test Power Supply	:	AC 120V/60Hz for adapter
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	Model: HKA06519034-6K Input: 100-240V~60/50Hz, 1.5A Output: 19.0V 3.42A, 64.98W
<b>RF Specification</b>		
Operation Frequency	:	111-205KHz
Modulation Type	:	ASK Andreas Andreas Andreas Andreas Andreas
Antenna Type	:	Inductive loop coil Antenna
Antenna Gain(Peak)	:	0 dBi (Provided by customer)
ok bo		specification are provided by customer. 2) For a more detailed features to the manufacturer's specifications or the User's Manual.

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USB-C Output: 65W 5V-3A, 9V-3A, 12V-3A, 15V-3A, 20V-3.25A

USB-A Fast Charge :5V=3A, 9V=2A, 12V=1.5A 18W max

Rating(s):

Model: E 300

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To ensure safe and proper use of the power station, always follow the manufacturer's instructions as improper use can increase risks.

# CALIFORNIA PROPOSITION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

ADVERTENCIA: Este producto contiene productos qu fhicos reconocidos por el estado de California que provocan cáncer, defectos de nacimiento u otros daños reproductivos.

For more information: www.P65Warnings.ca.gov

# 1.3. Auxiliary Equipment Used During Test

0	Description	Rating(s)			
'n,	Wireless charging load	M/N: CD2577	Anbote	Ann	abotek
	nbotek Anbo, At he	Power: 5W/7.5W/10W/15W	anbotek	Anbo	A. hotek

### 1.4. Description of Test Modes

Product Name: Portable Power Station

Capacity: 258Wh 22.2V 11.6Ah

USB Output: USB-A(x2) 5V-2.4A

AC Output: 300W 120VAC 60Hz

Discharging temperature: 14°F-104°F(-10°C-40°C)

Charging temperature: 42.8°F-104°F(6°C-40°C)

DC Output: 13V-10A DC Input: 12V-30V-8.5A (max)

DC Total output: 247W AC output: 300W

CC ID: 288M4-E300

Wireless: 10W

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 Mode	;		Description					
Anb	Mode 1	stek h.	nbotek	Anbote WI	ΓP Mode (	10W 1%	Load)	Anbo.	ek nbo
lek 1	Mode 2	bu otek	Anbotek	M Poor	P Mode (	10W 50%	Load)	Anbo	stek N
ootek	Mode 3	Anbrutek	Anbotek	TW <sup>odna</sup>	P Mode (	10W 99%	Load)	PUL	-otek
-otek	Anboten	And	K bote	Aupor	, prin	-otek	Anbo	16.	And

	For Conducted Emission						
×-	Final Test Mode	Description					
Hate	Mode 1	WTP Mode (10W 1% Load)	Anboten Anu.				

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notek	Mode 2	Anbo	P2	botek P	WTP Mod	le (10W 50% L	oad)	Anbo stek
botek	Mode 3	Anbo	ek in	Anbotek	WTP Mod	le (10W 99% L	oad)	Anbountek
Althotek	Anbotet	Anbo	Yer	abotek	Anbors	Annotek	Anboten	Ando
				For Radia	ted Emission			
Fi	inal Test Mo	ode			C	Description		
rok bi.	Mode 1	Anboten	AUD	otek p	WTP Mod	de (10W 1% Lo	ad)	Anboten An
por sek	Mode 2	Anboten	K An	hotek	WTP Mod	le (10W 50% L	oad)	Anboten
Anbo. Lak	Mode 3	Anbor		And	WTP Mod	le (10W 99% L	oad)	Anboro

Note:

(1) Test channel is 0.1440MHz.

(2) All the situation(full load, half load and empty load) has been tested,only the worst situation (Mode

3) was recorded in the report.

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### Code:AB-RF-05-b

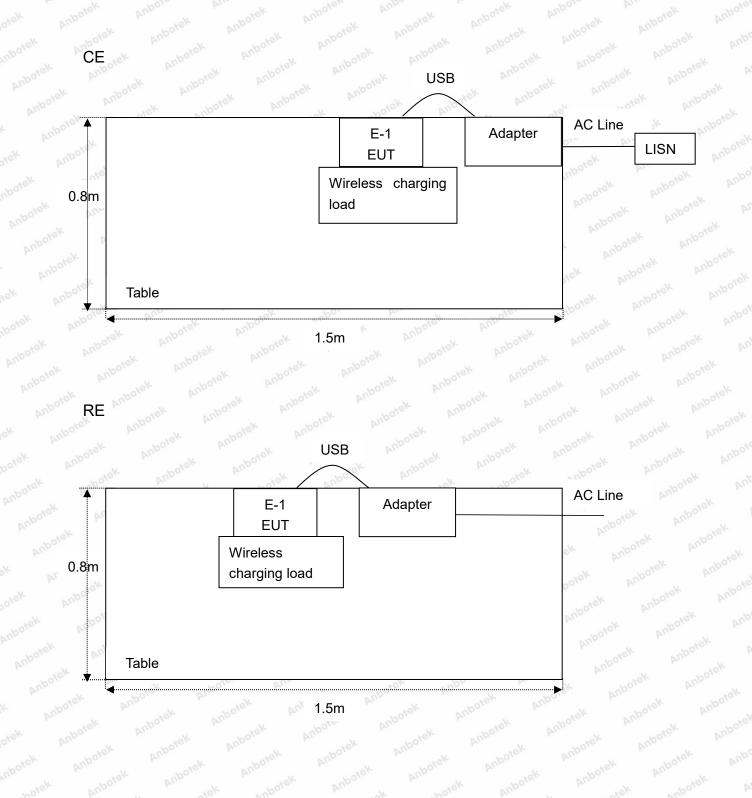
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# 1.5. Description Of Test Setup



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# 1.6. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interva
Anbo 1. Ar	L.I.S.N. Artificial Mains Network	I Mains Rohde & Schwarz		ENV216 100055		1 Year
2.	Three Phase V-type Artificial Power Network	CYBERTEK	EM5040DT	E215040DT001	Jan. 18, 2024	1 Year
3.**	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 12, 2023	1 Year
4.0	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	Jan. 23, 2024	1 Year
5. <sub>An</sub>	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
7.	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- KF	J211060628	Oct. 12, 2023	1 Year
×11.	Pre-amplifier	SONOMA	310N	186860	Jan. 17, 2024	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A M	N/A	N/A
13.	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY53280032	Oct. 12, 2023	1 Year
14.0	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-KHWS80 B	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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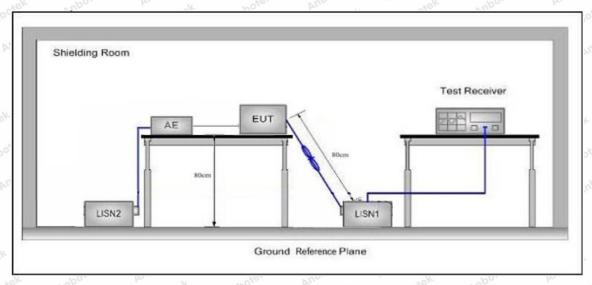
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# 3. Conducted Emission Test

# 3.1. Test Standard and Limit

Test Standard	FCC Part15 Section 15.20	Maximum RF Line Voltage (dBuV)								
	Frequency	Quasi-peak Level	Average Level 56 ~ 46 *							
	150kHz~500kHz	66 ~ 56 *								
	500kHz~5MHz	56 bootes	46 de							
	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

AC conducted emission pre-test at both at AC 120V/60Hz and AC 240V/60Hz modes, recorded worst case AC 120V/60Hz.

Please to see the following pages.

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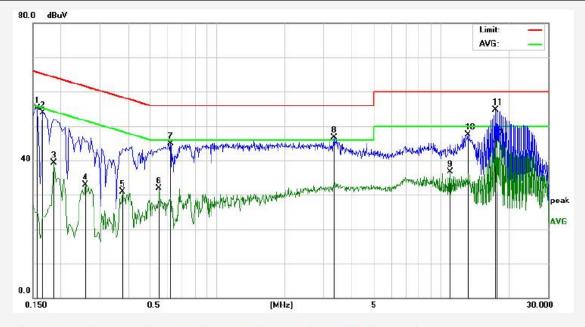
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### **Conducted Emission Test Data**

Test Site:	1# Shielded Room					
Operating Condition:	Mode 1					
Test Specification:	AC 120V, 60Hz for adapter					
Comment:	Live Line					
Temp.(℃)/Hum.(%RH):	24.5℃/68%RH					
AND						



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1580	36.28	18.99	55.27	65.56	-10.29	QP	
2	0.1660	34.94	18.98	53.92	65.15	-11.23	QP	
3	0.1859	20.38	18.96	39.34	54.21	-14.87	AVG	
4	0.2580	13.92	19.03	32.95	51.49	-18.54	AVG	
5	0.3780	11.75	19.06	30.81	48.32	-17.51	AVG	
6	0.5500	12.90	19.07	31.97	46.00	-14.03	AVG	
7	0.6179	25.82	19.06	44.88	56.00	-11.12	QP	
8	3.3420	27.63	19.00	46.63	56.00	-9.37	QP	
9	10.9978	<mark>17.99</mark>	18.80	36.79	50.00	-13.21	AVG	
10	13.1699	28.58	18.83	47.41	60.00	-12.59	QP	
11	17.5098	35.73	18.88	54.61	60.00	-5.39	QP	
12	17.7978	27.00	18.88	45.88	50.00	-4.12	AVG	

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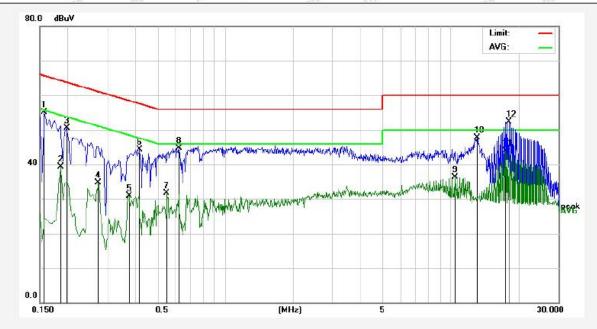
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Conducted	Emission	Test Data	

Test Site:	1# Shielded Room
Operating Condition:	Mode 1
Test Specification:	AC 120V, 60Hz for adapter
Comment:	Neutral Line
Temp.(℃)/Hum.(%RH):	24.5℃/68%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark	
1	0.1580	36.07	18.99	55.06	65.56	-10.50	QP		
2	0.1860	20.27	18.96	39.23	54.21	-14.98	AVG		
3	0.1980	31.61	18.94	50.55	63.69	-13.14	QP		
4	0.2740	15.74	19.05	34.79	50.99	-16.20	AVG		
5	0.3740	11.93	19.07	31.00	48.41	-17.41	AVG		
6	0.4180	25.18	19.06	44.24	57.49	-13.25	QP		
7	0.5500	12.65	19.07	31.72	46.00	-14.28	AVG		
8	0.6220	25.68	19.06	44.74	56.00	-11.26	QP		
9	10.4179	17.50	18.79	36.29	50.00	-13.71	AVG		
10	13.1099	28.93	18.83	47.76	60.00	-12.24	QP		
11	17.5059	25.08	18.88	43.96	50.00	-6.04	AVG		
12	18.0859	33.35	18.88	52.23	60.00	-7.77	QP		

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# 4. Radiation Spurious Emission

# 4.1. Test Standard and Limit

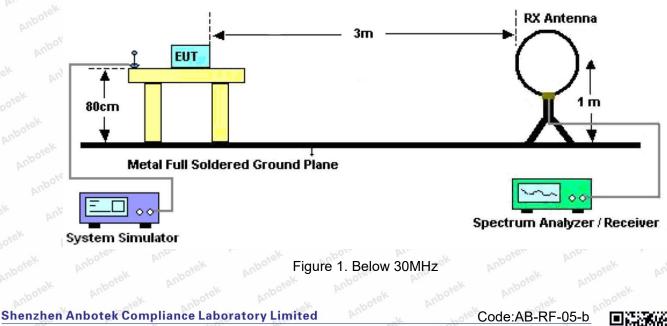
Test Standard	FCC Part15 C Section 1	5.209 and 15.205			stek nbotel
	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	Anbor	AI. abotek	300
	0.490MHz-1.705MHz	24000/F(kHz)	Anbo	A. nbotek	30
	1.705MHz-30MHz	30 M	rek _ Anbo	ek - nbotel	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	Anbote 3 Ar
	960MHz~1000MHz	500	54.0	Quasi-peak	3
		500	54.0	Average	3.010
	Above 1000MHz	And borek An	74.0	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.

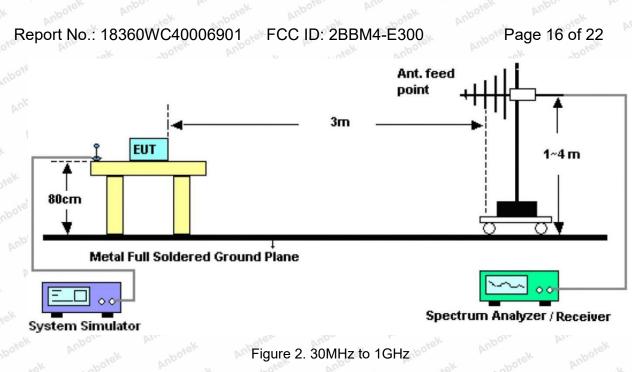
4.2. Test Setup



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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 kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

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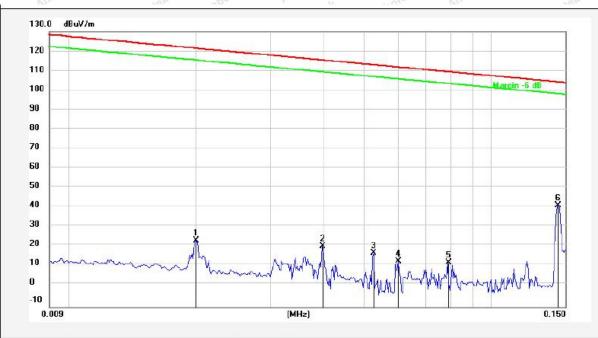
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### Test Results (Between 9KHz - 150KHz)

Test Mode:	Mode 1
Distance:	3m Sm
Power Source:	AC 120V, 60Hz for adapter
Temp.(℃)/Hum.(%RH):	23.5℃/49%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	0.0200	3.35	20.29	23.64	121.41	-97.77	QP			5
2	0.0398	0.59	20.43	21.02	115.47	-94.45	QP			
3	0.0526	-2.97	20.38	17.41	113.07	-95.66	QP	~		
4	0.0601	-6.92	20.37	13.45	111.91	-98.46	QP			
5	0.0790	-7.72	20.36	12.64	109.55	-96.91	QP			-
6	0.1440	21.16	20.33	41.49	104.37	-62.88	QP	0) 4)		-
		DAT		-0		0~		18.4	. 01	D.3.

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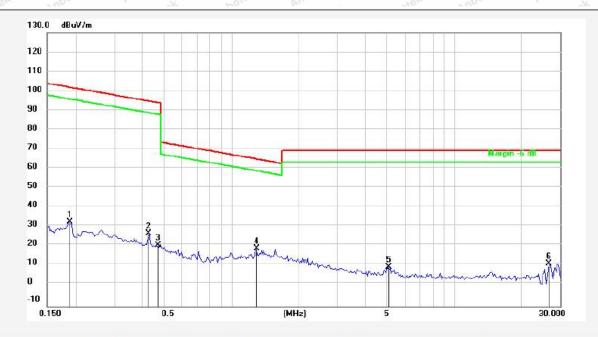
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com



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### Test Results (Between 0.15MHz – 30MHz)

Test Mode:	Mode 1
Distance:	3m Ann Annotek Anbort
Power Source:	AC 120V, 60Hz for adapter
Temp.(℃)/Hum.(%RH):	23.5℃/49%RH



Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark	
0.1874	12.80	20.32	33.12	102.10	-68.98	QP				
0.4282	7.03	20.27	27.30	94.96	-67.66	QP				
0.4711	0.93	20.27	21.20	94.14	-72.94	QP				
1.2892	-0.85	20.26	19.41	65.42	-46.01	QP				
5.0580	-10.24	20.41	10.17	69.50	-59.33	QP				
26.6992	-8.82	20.68	11.86	69. <mark>5</mark> 0	-57.64	QP				
	(MHz) 0.1874 0.4282 0.4711 1.2892 5.0580	(MHz)         (dBuV)           0.1874         12.80           0.4282         7.03           0.4711         0.93           1.2892         -0.85           5.0580         -10.24	(MHz)         (dBuV)         (dB)           0.1874         12.80         20.32           0.4282         7.03         20.27           0.4711         0.93         20.27           1.2892         -0.85         20.26           5.0580         -10.24         20.41	(MHz)         (dBuV)         (dB)         (dBuV/m)           0.1874         12.80         20.32         33.12           0.4282         7.03         20.27         27.30           0.4711         0.93         20.27         21.20           1.2892         -0.85         20.26         19.41           5.0580         -10.24         20.41         10.17	(MHz)         (dBuV)         (dB)         (dBuV/m)         (dBuV/m)           0.1874         12.80         20.32         33.12         102.10           0.4282         7.03         20.27         27.30         94.96           0.4711         0.93         20.27         21.20         94.14           1.2892         -0.85         20.26         19.41         65.42           5.0580         -10.24         20.41         10.17         69.50	(MHz)         (dBuV)         (dB)         (dBuV/m)         (dBuV/m)         (dB)           0.1874         12.80         20.32         33.12         102.10         -68.98           0.4282         7.03         20.27         27.30         94.96         -67.66           0.4711         0.93         20.27         21.20         94.14         -72.94           1.2892         -0.85         20.26         19.41         65.42         -46.01           5.0580         -10.24         20.41         10.17         69.50         -59.33	(MHz)         (dBuV)         (dB)         (dBuV/m)         (dBuV/m)         (dB)         Detector           0.1874         12.80         20.32         33.12         102.10         -68.98         QP           0.4282         7.03         20.27         27.30         94.96         -67.66         QP           0.4711         0.93         20.27         21.20         94.14         -72.94         QP           1.2892         -0.85         20.26         19.41         65.42         -46.01         QP           5.0580         -10.24         20.41         10.17         69.50         -59.33         QP	(MHz)         (dBuV)         (dB)         (dBuV/m)         (dBuV/m)         (dB)         Detector         (cm)           0.1874         12.80         20.32         33.12         102.10         -68.98         QP           0.4282         7.03         20.27         27.30         94.96         -67.66         QP           0.4711         0.93         20.27         21.20         94.14         -72.94         QP           1.2892         -0.85         20.26         19.41         65.42         -46.01         QP           5.0580         -10.24         20.41         10.17         69.50         -59.33         QP	(MHz)         (dBuV)         (dB)         (dBuV/m)         (dBuV/m)         (dB)         Detector         (cm)         (deg)           0.1874         12.80         20.32         33.12         102.10         -68.98         QP             0.4282         7.03         20.27         27.30         94.96         -67.66         QP             0.4711         0.93         20.27         21.20         94.14         -72.94         QP             1.2892         -0.85         20.26         19.41         65.42         -46.01         QP             5.0580         -10.24         20.41         10.17         69.50         -59.33         QP	(MHz)         (dBuV)         (dB)         (dBuV/m)         (dBuV/m)         (dB)         Detector         (cm)         (deg)         Remark           0.1874         12.80         20.32         33.12         102.10         -68.98         QP

**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)

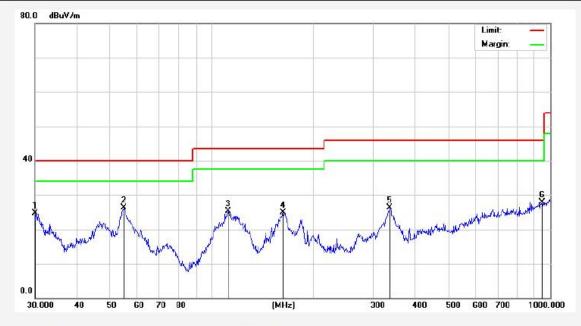
Test Mode:	
Distance:	

- Power Source:
- Polarization:

AC 120V, 60Hz for adapter Horizontal 20.3℃/46%RH

Mode 1 3m

Temp.(℃)/Hum.(%RH):



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	30.1054	44.96	-20.22	24.74	40.00	-15.26	QP			
2	55.0274	43.91	-17.63	26.28	40.00	-13.72	QP			-
3	111.7380	48.65	-23.33	25.32	43.50	-18.18	QP			
4	162.6106	48.83	- <mark>23.9</mark> 2	24.91	43.50	-18.59	QP			
5	336.0352	42.55	-16.32	26.23	46.00	-19.77	QP			
6	945.4399	33.67	-5.69	27.98	46.00	-18.02	QP	2		
12		-Ma	MAN -	101		-200	5 O.Y.		-	-16 1414

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Test Mode:	Mode 1
Distance:	ant 3m Anbo eek abotek Anbote Ant ate
Power Source:	AC 120V, 60Hz for adapter
Polarization:	Vertical
Temp.(℃)/Hum.(%RH):	20.3°C/46%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark	
1	30.7455	49.34	-17.84	31.50	40.00	-8.50	QP			5	
2	46.8303	49.42	-15.31	34.11	40.00	-5.89	QP			5	
3	79.5209	44.15	-19.36	24.79	40.00	-15.21	QP			5	
4	106.0126	52.81	-17.55	35.26	43.50	-8.24	QP			5	
5	158.1123	46.72	-21.74	24.98	43.50	-18.52	QP			-	
6	636.1340	37.18	- <mark>10</mark> .62	26.56	46.00	-19.44	QP	9 9		-	
111		- Ma	W.U -	1/91		_100	6 O.M	NC		- 10	

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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, and the best case gain of the antenna is 0 dBi. It complies with the standard requirement.

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400-003-0500





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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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