

Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 1 of 22

FCC Test Report

Applicant : TESONIC INTERNATIONAL (HK) LTD.

Address

Room 2801,the 28th Office Tower, 6007 Shennan Avenue, Shenzhen, China

Product Name

MVMT BAMBOO 3 IN 1 WIRELESS CHARGING

Report Date

Feb. 29, 2024



Shenzhen Anbotek Compliance Laboratory Limited

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





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 2 of 22

Contents

1. (eneral Information	5
	eneral Information	5
	1.2. Description of Device (EUT)	5
	1.3. Auxiliary Equipment Used During Test	6
	1.4. Description of Test Modes	
	1.4. Description of Test Modes 1.5. Description Of Test Setup	8
	1.6 Test Equipment List	Ann 9
	1.7. Measurement Uncertainty	10
	1.7. Measurement Uncertainty 1.8. Description of Test Facility	10
	19 Disclaimer	10
2. 5	ummary of Test Results onducted Emission Test	11
3. 0	onducted Emission Test	12
	3.1 Test Standard and Limit	12
	3.2. Test Setup	12
	3.3. Test Procedure	12
	3.4. Test Data adiation Spurious Emission	12
4. F	adiation Spurious Emission	15
	4.1. Test Standard and Limit	
	4.2. Test Setup 4.3. Test Procedure	15
	4.3. Test Procedure	16
	4.4. Test Data	16
× 5. A	ntenna Requirement	21
	5.1. Test Standard and Requirement 5.2. Antenna Connected Construction	21
	5.2. Antenna Connected Construction	21
AP	PENDIX I TEST SETUP PHOTOGRAPH	22
AP	PENDIX II EXTERNAL PHOTOGRAPH PENDIX III INTERNAL PHOTOGRAPH	22
AP	PENDIX III INTERNAL PHOTOGRAPH	22

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





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 3 of 22

TEST REPORT

Applicant :	TESONIC INTERNATIONAL (HK) LTD.
Manufacturer :	TESONIC INTERNATIONAL (HK) LTD.
Product Name :	MVMT BAMBOO 3 IN 1 WIRELESS CHARGING
Test Model No. :	QC1024
Reference Model No. :	QC1023L-BLK, QC1023L-ETN, QC1024-BMB
Trade Mark :	MVMT
	Input: DC 9V/2.22A, 12V/1.67A
Deting(a)	Phone charger output: 15W(max)
Rating(s) :	Earphone charger output: 5W(max)
	Watch charger output: 3W(max)
Tool Chandend(a)	An sotek anboten And stek schoolek An
Test Standard(s) :	FCC Part15 Subpart C. Paragraph 15.209

Test Standard(s)FCC Part15 Subpart C, ParagTest 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 Date of Test

Prepared By

Jan. 29, 2024 Jan. 29 ~ Feb. 19, 2024

Nian Xiu Chen

(Nianxiu Chen)

Edward pan

(Edward Pan)

Shenzhen Anbotek Compliance Laboratory Limited

Approved & Authorized Signer

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





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 4 of 22

Revision History

Report Version	Description	Issued Date
R00 mar	Original Issue.	Feb. 29, 2024
an Anbotek Anbotek Ar	bortek Anbotek Anbote	Annotek Anbotek Anb
ootek Anbotek Anbote	Anbotek Anbotek Anbo	ek Anbotek Anbote A

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 Code:AB-RF-05-b

Hotline 400–003–0500 www.anbotek.com.cn





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 5 of 22

1. General Information

1.1. Client Information

Applicant	:	TESONIC INTERNATIONAL (HK) LTD.
Address	:	Room 2801,the 28th Office Tower, 6007 Shennan Avenue, Shenzhen, China
Manufacturer	:	TESONIC INTERNATIONAL (HK) LTD.
Address	:	Room 2801,the 28th Office Tower, 6007 Shennan Avenue, Shenzhen, China
Factory	:	TESONIC INTERNATIONAL (HK) LTD.
Address	:	Room 2801,the 28th Office Tower, 6007 Shennan Avenue, Shenzhen, China

1.2. Description of Device (EUT)

npo h		the start and the start show the start show
Product Name	:	MVMT BAMBOO 3 IN 1 WIRELESS CHARGING
Test Model No.	:	QC1024
Reference Model No.	-	QC1023L-BLK, QC1023L-ETN, QC1024-BMB (Note: All samples are the same except the model number and appearance color, so we prepare "QC1024" for test only.)
Trade Mark	:	MVMT product Andreas product and product a
Test Power Supply	:	AC 120V, 60Hz for Adapter
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A probately pr
PO No	:	18677 Model Andread Andread Andread Andread
Age Grade	:	Adult Adult And And Adult
Country of origin	:	CHINA
Buyer	:	JME & CO. NYC.LLC
RF Specification		
Operation Frequency	:	110.1-205KHz
Modulation Type	:	FSK Anborek Anborek Anborek Anborek Anborek
Antenna Type	:	Inductive loop coil Antenna
Antenna Gain(Peak)	:	0 dBi
DIL		specification are provided by customer. 2) For a more detailed features of the manufacturer's specifications or the User's Manual.

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



Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 6 of 22

1.3. Auxiliary Equipment Used During Test

Description	Rating(s)
Adapter	Model: MDY-11-EX
An botek Anbot	Input: 100-240V~0.7A,50-60Hz
Anbo	USB-A output: 5V= 3A, 9V= 3A, 12V= 2.25A, 20V= 1.35A, 11V= 3A
Mobile Phone	iPhone 12
Apple AirPods	M/N: AirPods Pro
Apple Watch	M/N: WR-50M

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 Mode	Description	
Mode 1 Wireless Charging Mode(iPhone12 + Airpods + iWa		
Mode 2	Wireless Charging Mode(iPhone12 + Airpods)	
Mode 3	Wireless Charging Mode(iPhone12 + iWatch)	
Mode 4	Wireless Charging Mode(Airpods + iWatch)	
Mode 5	Wireless Charging Mode(iPhone12)	
Mode 6	Wireless Charging Mode(Airpods)	
Mode 7	Wireless Charging Mode(iWatch)	

	For Conducted Emission		
Final Test Mode Description			
Mode 1	Wireless Charging Mode(iPhone12 + Airpods + iWatch)		
Mode 2	Wireless Charging Mode(iPhone12 + Airpods)		
Mode 3	Wireless Charging Mode(iPhone12 + iWatch)		
Mode 4	Wireless Charging Mode(Airpods + iWatch)		
Mode 5	Wireless Charging Mode(iPhone12)		
Mode 6	Wireless Charging Mode(Airpods)		
Mode 7	Wireless Charging Mode(iWatch)		

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



Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 7 of 22

	For Radiated Emission
Final Test Mode	Description
Mode 1	Wireless Charging Mode(iPhone12 + Airpods + iWatch)
Mode 2	Wireless Charging Mode(iPhone12 + Airpods)
Mode 3	Wireless Charging Mode(iPhone12 + iWatch)
Mode 4	Wireless Charging Mode(Airpods + iWatch)
Mode 5	Wireless Charging Mode(iPhone12)
Mode 6	Wireless Charging Mode(Airpods)
Mode 7	Wireless Charging Mode(iWatch)

Note:

(1) Test channel is 0.1274MHz.

(2) All the situation(full load, half load and empty load) has been tested,only the worst situation (full load 20W) was recorded in the report.

Shenzhen Anbotek Compliance Laboratory Limited

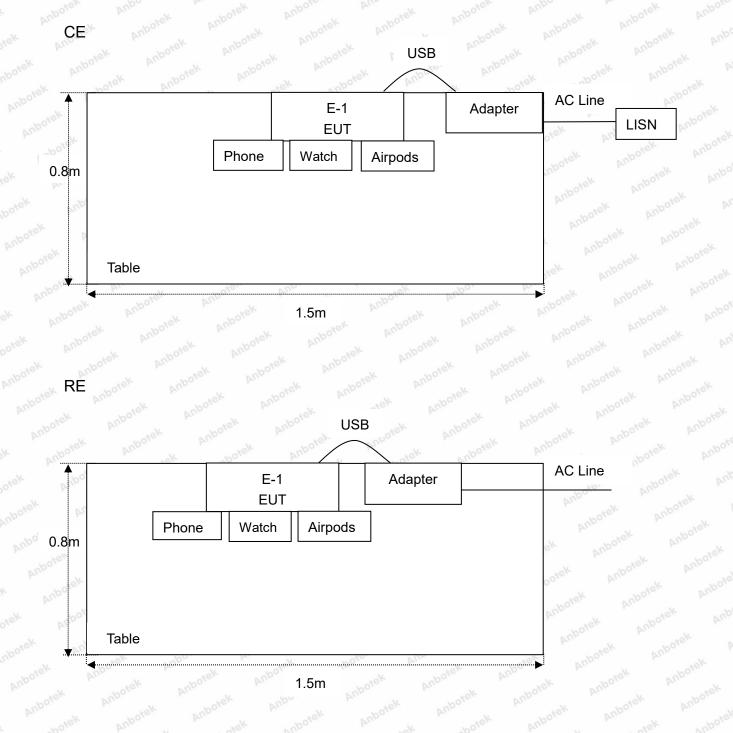
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 8 of 22

1.5. Description Of Test Setup



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



Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 9 of 22

1.6. Test Equipment List

ltem	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interva
Anbo 1. Ar	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Oct. 12, 2023	1 Year
2.	Three Phase V-type Artificial Power Network	CYBERTEK	EM5040DT	E215040DT001	Jul. 05, 2023	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Oct. 12, 2023	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	Oct. 12, 2023	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	Oct. 12, 2023	1 Year
7.ot	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	Oct. 12, 2023	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	inbote N/A M	N/A	e ^k N/Ab ^{otek}	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-KHWS80 B	N/A	Oct. 16, 2023	1 Year
18.	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	May. 26, 2023	1 Year

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



Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 10 of 22

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.

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





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 11 of 22

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	

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 Code:AB-RF-05-b

Hotline 400–003–0500 www.anbotek.com.cn





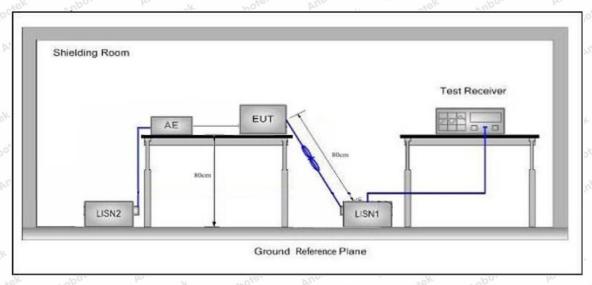
Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 12 of 22

3. Conducted Emission Test

3.1. Test Standard and Limit

	-	Maximum RF Lir	ne 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

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.

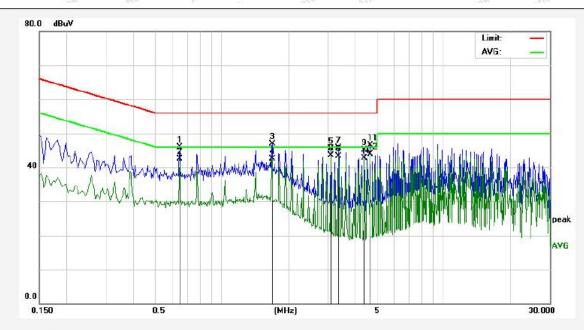
Shenzhen Anbotek Compliance Laboratory Limited

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



Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 13 of 22

1# Shielded Room
Mode 1
AC 120V, 60Hz for Adapter
Live Line
21.4℃/52%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.6460	27.96	17.86	45.82	56.00	-10.18	QP	8
2	0.6460	24.60	17.86	42.46	46.00	-3.54	AVG	
3	1.6820	29.03	17.84	46.87	56.00	-9.13	QP	
4	1.6820	24.57	17.84	42.41	46.00	-3.59	AVG	
5	3.1020	27.58	17.84	45.42	56.00	-10.58	QP	
6	3.1020	25.64	17.84	43.48	46.00	-2.52	AVG	
7	3.3620	27.78	17.84	45.62	56.00	-10.38	QP	
8	3.3620	25.56	17.84	43.40	46.00	-2.60	AVG	
9	4.3940	27.18	17.84	45.02	56.00	-10.98	QP	
10	4.3940	24.93	17.84	42.77	46.00	-3.23	AVG	
11	4.6540	28.60	17.85	46.45	56.00	-9.55	QP	
12	4.6540	26.13	17.85	43.98	46.00	-2.02	AVG	

Shenzhen Anbotek Compliance Laboratory Limited

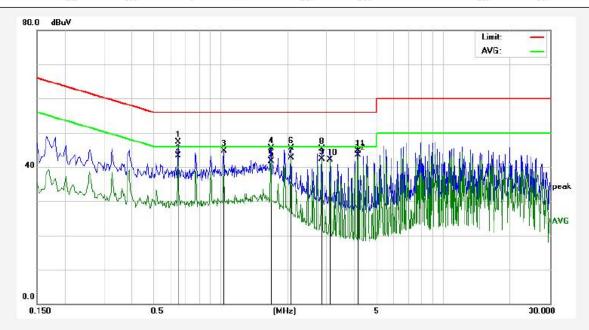
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com



Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 14 of 22

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):	21.4℃/52%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark	
1	0.6460	29.52	17.86	47.38	56.00	- <mark>8.6</mark> 2	QP		
2	0.6460	25.52	17.86	43.38	46.00	-2.62	AVG		
3	1.0339	26.77	17.85	44.62	56.00	-11.38	QP		
4	1.6820	27.68	17.84	45.52	56.00	-10.48	QP		
5	1.6820	23.93	17.84	41.77	46.00	-4.23	AVG		
6	2.0700	27.68	17.83	45.51	56.00	-10.49	QP		
7	2.0700	24.86	17.83	42.69	46.00	-3.31	AVG		
8	2.8460	27.41	17.84	45.25	56.00	-10.75	QP		
9	2.8460	24.46	17.84	42.30	46.00	-3.70	AVG		
10	3.1020	24.28	17.84	42.12	46.00	-3.88	AVG		
11	4.1380	26.86	17.84	44.70	56.00	-11.30	QP		
12	4.1380	25.70	17.84	43.54	46.00	-2.46	AVG		

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





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 15 of 22

4. Radiation Spurious Emission

4.1. Test Standard and Limit

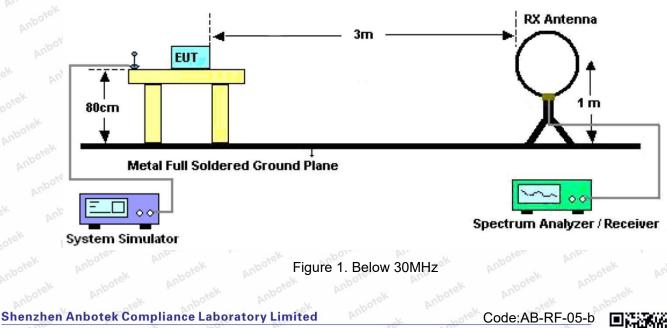
Test Standard	FCC Part15 C Section 1	5.209 and 15.205			
	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	Anbor	Al. aborek	300
	0.490MHz-1.705MHz	24000/F(kHz)	Anbou	A. nbotek	30
	1.705MHz-30MHz	30 MARCO	rek Anbo	ek - nbotel	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	Anbotek Ar
	960MHz~1000MHz	500	54.0	Quasi-peak	3
		500	54.0	Average	3
	Above 1000MHz	And borek An	oo ^{tek} 74.0 ^{Antoo}	Peak	ek 3knboret

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



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

Hotline 400–003–0500 www.anbotek.com.cn





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 16 of 22

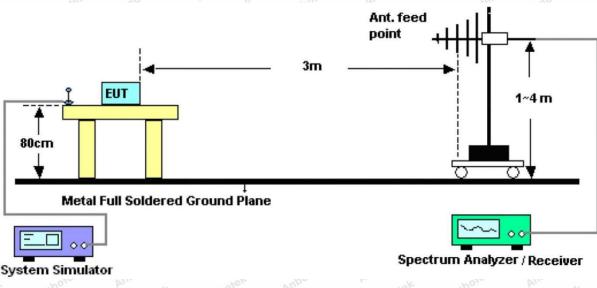


Figure 2. 30MHz to 1GHz

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.

Shenzhen Anbotek Compliance Laboratory Limited

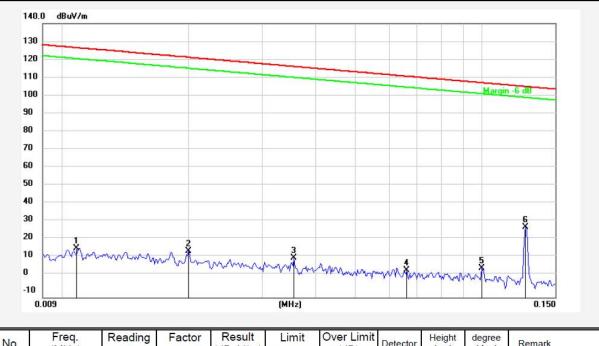
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com



Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 17 of 22

Test Results (Between 9KHz – 150KHz)

Test Mode:	Mode 1
Distance:	3m March March
Power Source:	AC 120V, 60Hz for Adapter
Temp.(℃)/Hum.(%RH):	23.5℃/45%RH



INO.	(MHz)	(dBuV)	()	(dBuV/m)	(dBuV/m)	(dB)	Detector	(cm)	(deg)	Remark	
1	0.0108	-3.08	20.06	16.98	126.73	-109.75	QP				
2	0.0200	<mark>-5.08</mark>	20.29	15.21	121.41	-106.20	QP				
3	0.0357	-9.03	20.45	11.42	<mark>116.41</mark>	-104.99	QP				10
4	0.0661	-15.74	20.38	4.64	111.09	-106.45	QP				
5	0.1000	-14.30	20.29	5.99	107.52	-101.53	QP				
6	0.1274	8.07	20.34	28.41	105.43	-77.02	QP				
	1 2 3 4 5	(MHz) 1 0.0108 2 0.0200 3 0.0357 4 0.0661 5 0.1000	(MHz) (dBuV) 1 0.0108 -3.08 2 0.0200 -5.08 3 0.0357 -9.03 4 0.0661 -15.74 5 0.1000 -14.30	(MHz) (dBuV) () 1 0.0108 -3.08 20.06 2 0.0200 -5.08 20.29 3 0.0357 -9.03 20.45 4 0.0661 -15.74 20.38 5 0.1000 -14.30 20.29	(MHz) (dBuV) () (dBuV/m) 1 0.0108 -3.08 20.06 16.98 2 0.0200 -5.08 20.29 15.21 3 0.0357 -9.03 20.45 11.42 4 0.0661 -15.74 20.38 4.64 5 0.1000 -14.30 20.29 5.99	(MHz) (dBuV) () (dBuV/m) (dBuV/m) 1 0.0108 -3.08 20.06 16.98 126.73 2 0.0200 -5.08 20.29 15.21 121.41 3 0.0357 -9.03 20.45 11.42 116.41 4 0.0661 -15.74 20.38 4.64 111.09 5 0.1000 -14.30 20.29 5.99 107.52	(MHz) (dBuV) () (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) 1 0.0108 -3.08 20.06 16.98 126.73 -109.75 2 0.0200 -5.08 20.29 15.21 121.41 -106.20 3 0.0357 -9.03 20.45 11.42 116.41 -104.99 4 0.0661 -15.74 20.38 4.64 111.09 -106.45 5 0.1000 -14.30 20.29 5.99 107.52 -101.53	(MHz) (dBuV) () (dBuV/m) (dBuV/m) (dB) 1 0.0108 -3.08 20.06 16.98 126.73 -109.75 QP 2 0.0200 -5.08 20.29 15.21 121.41 -106.20 QP 3 0.0357 -9.03 20.45 11.42 116.41 -104.99 QP 4 0.0661 -15.74 20.38 4.64 111.09 -106.45 QP 5 0.1000 -14.30 20.29 5.99 107.52 -101.53 QP	(MHz) (dBuV) () (dBuV/m) (dBuV/m) (dB) (dB) (dB) 1 0.0108 -3.08 20.06 16.98 126.73 -109.75 QP 2 0.0200 -5.08 20.29 15.21 121.41 -106.20 QP 3 0.0357 -9.03 20.45 11.42 116.41 -104.99 QP 4 0.0661 -15.74 20.38 4.64 111.09 -106.45 QP 5 0.1000 -14.30 20.29 5.99 107.52 -101.53 QP	(MHz) (dBuV) () (dBuV/m) (dBuV/m) (dB) (dB)	(MHz) (dBuV) () (dBuV/m) (dBuV/m) (dB) (dm) (deg) 1 0.0108 -3.08 20.06 16.98 126.73 -109.75 QP 2 2 0.0200 -5.08 20.29 15.21 121.41 -106.20 QP 2 3 0.0357 -9.03 20.45 11.42 116.41 -104.99 QP 2 4 0.0661 -15.74 20.38 4.64 111.09 -106.45 QP 2 5 0.1000 -14.30 20.29 5.99 107.52 -101.53 QP 2

Shenzhen Anbotek Compliance Laboratory Limited

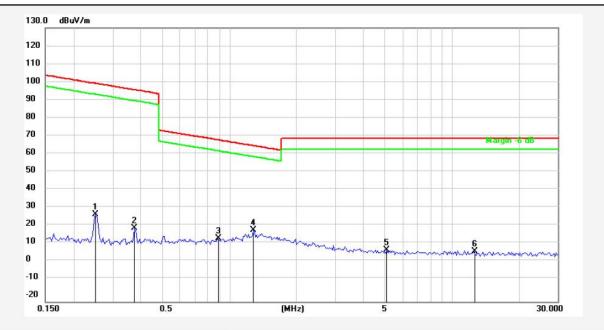
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com



Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 18 of 22

Test Results (Between 0.15MHz – 30MHz)

Test Mode:	Mode 1
Distance:	3m March March
Power Source:	AC 120V, 60Hz for Adapter
Temp.(℃)/Hum.(%RH):	23.5℃/45%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor ()	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark	
1	0.2519	7.38	20.30	27.68	99.54	-71.86	QP				
2	0.3769	-0.13	20.28	20.15	96.07	-75.92	QP				
3	0.8897	-5.61	20.26	14.65	68.63	-53.98	QP				
4	1.2891	-1.07	20.26	19.19	65.42	-46.23	QP			7	
5	5.1116	-12.24	20.40	8.16	69.50	-61.34	QP	3			
6	12.5821	-12.94	20.53	7.59	69.50	-61.91	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.

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



Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 19 of 22

Test Results (Between 30MHz -1000 MHz)

- Test Mode:
- Distance:
- Power Source:
- Polarization:
- Horizontal 23.5℃/49%RH

AC 120V, 60Hz for Adapter

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	55.4147	43.62	-17.62	26.00	40.00	-14.00	QP			
2	72.5916	44.57	-22.11	22.46	40.00	-17.54	QP			
3	179.3863	49.53	-23.20	26.33	43.50	-17.17	QP			
4	295.1469	54.44	-17.59	36.85	46.00	-9.15	QP			
5	364.2595	48.46	-16.04	32.42	46.00	-13.58	QP			
6	726.8052	35.31	-9.56	25.75	46.00	-20.25	QP			
NY		M	140°	1257		1:121	- 02			We LaU'

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





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 20 of 22

Test Mode:	Mode 1
Distance:	ant 3m Anbor et subotek Anbote Ant sotek
Power Source:	AC 120V, 60Hz for Adapter
Polarization:	Vertical
Temp.(℃)/Hum.(%RH):	23.5℃/49%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	41.8596	46.42	-14.75	31.67	40.00	-8.33	QP				
2	47.9940	47.44	-15.48	31.96	40.00	-8.04	QP				
3	80.0806	<mark>48.</mark> 09	-19.30	28.79	40.00	-11.21	QP				
4	171.3926	<mark>52.07</mark>	-21.05	31.02	43.50	-12. <mark>4</mark> 8	QP				
5	313.2760	52.95	-15.92	37.03	46.00	-8.97	QP				
6	699.3046	34.73	-9.92	24.81	46.00	-21.19	QP				
- N				12.3		1.651					-

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





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 21 of 22

5. Antenna Requirement

5.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203
	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that
Requirement	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.

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





Report No.: 18220WC40021501 FCC ID: 2AEW6-TE-QC1023-24 Page 22 of 22

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 ------

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 Code:AB-RF-05-b Hotline 400-003-0500

www.anbotek.com.cn

