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# FCC Test Report

Applicant : TELEPHONE EST (HK) CO., LTD

Room709, 7F, FuLi tianhe commercial building,

Address : Linhe, East Road and tianhe district,

Guangzhou, China

Product Name : 15W Magnetic Car Wireless Charger

Report Date : Sept. 22, 2023

Shenzhen Anbotek Con Anbotek



ce Laboratory Limited







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# TEST REPORT

Applicant : TELEPHONE EST (HK) CO., LTD

Manufacturer : Telephone Est Electronics Factory (Zhong Shan)

Product Name : 15W Magnetic Car Wireless Charger

Test Model No. : 2IHCM0840

Reference Model No. : 2IHCM0840B0G7, 2IHCM0840W0G7

Trade Mark : N/A

Rating(s) : Input: 5V=2A, 9V=2A
Output: 15W Max

Test Standard(s) : 47 CFR Part 15.209

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 above listed standard(s) 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:	Sept. 05, 2023
Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek
Date of Test:	Sept. 06, 2023 to Sept. 08, 2023
Anbotek Anbotek Anbotek Anbotek Anbotek	Stellazhu
Prepared By:	of O Co To O O Tex
portek Anbotek Anbotek Anbotek	(Stella Zhu)
	Idward pan
Approved & Authorized Signer:	k hotek Anbor
k upote, Aug. K Potek Wupo.	(Edward Dan)



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# **Revision History**

	Report Version	Description	Issued Date			
	Anbore R00 potek Ant	Original Issue.	Sept. 22, 2023			
9,	Anbotek Anbotek	Anbotek Anbotek Anbotek	K Anbotek Anbotek Anb			
/0	or atek Anbotek Anboten	Anbotek Anbotek Anbo.	tek Anbotek Anboten			





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### 1. General Information

# 1.1. Client Information

Applicant	:	TELEPHONE EST (HK) CO., LTD
Address	:	Room709, 7F, FuLi tianhe commercial building, Linhe, East Road and tianhe district, Guangzhou, China
Manufacturer	:	Telephone Est Electronics Factory (Zhong Shan)
Address	:	No.2 Heyuan Shengfeng Road,Xiaolan Town, Zhongshan, China
Factory	:	Telephone Est Electronics Factory (Zhong Shan)
Address	:	No.2 Heyuan Shengfeng Road,Xiaolan Town, Zhongshan, China

# 1.2. Description of Device (EUT)

		- K 70, N, - K, - VV
Product Name	:	15W Magnetic Car Wireless Charger
Test Model No.	:	2IHCM0840
Reference Model No.	:	2IHCM0840B0G7, 2IHCM0840W0G7 (Note: All samples are the same except the model number and color, so we prepare "2IHCM0840" for test only.)
Trade Mark	:	N/A Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Test Power Supply	:	AC 120V, 60Hz for Adapter
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A rek Anborek Anborek Anborek
RF Specification	•	
Operation Frequency	:	110.1-205kHz Anborek Anborek Anborek Anborek Anborek
Modulation Type	:	FSK Anborek Anborek Anborek Anborek An
Antenna Type	:	Inductive loop coil Antenna
Antenna Gain(Peak)	:	O dBiek Anborek Anborek Anborek Anborek

#### Remark:

- (1) All of the 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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### 1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.		
Wireless load	BAECOAR	15W Smart wireless charger fixture wireless charging	ek Anbotek Anbote		
Xiaomi 67W adapter(CE)	Xiaomi	MDY-13-ES	WA622091100375G		





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### 1.4. Description of Test Modes

Pretest	Modes			С	Descriptions			
Dorek TN	M1nboten An	o'ek	Anbotek	Vupo,	WTP Mode	JK P	nbote	And

### 1.5. Measurement Uncertainty

Parameter	Uncertainty				
Conducted emissions (AMN 150kHz~30MHz)	3.4dB				
Radiated 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.





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### 1.6. Test Summary

Test Items	Test Modes	Status	
Antenna requirement	Anbotek / Anbote	P	
Conducted Emission at AC power line	Mode1	PARTS	
Emissions in frequency bands (below 30MHz)	Mode1	P	
Emissions in frequency bands (30MHz - 1GHz)	Mode1	nbot P	
Note: P: Pass N: N/A not applicable	Anbotek Anbotek	Anbotek	





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#### 1.7. Description of Test Facility

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

#### FCC-Registration No.:184111

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. 184111.

#### 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.518128

#### 1.8. Disclaimer

- 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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# 1.9. Test Equipment List

Cond	ucted Emission at A	C power line				
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
· 1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2022-10-23	2023-10-22
zek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2023-07-05	2024-07-04
3	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2022-10-13	2023-10-12
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	rek /Anbotek	an abotek

Emiss	sions in frequency ba	ands (below 30MHz)	anbotek Ar	Poser AL	hotek An	potek Anborr
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	EMI Test Receiver	Rohde & Schwarz	ESPI7	101340	2023-02-22	2024-02-21
2	Pre-amplifier	Emtrace	RP01A	00517	2023-02-22	2024-02-21
30,000	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2022-10-23	2023-10-22
<sub>e</sub> 4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	Anbotek / Ant	oter / Anton

Emiss	sions in frequency ba	ands (30MHz - 1GHz)	Anbotek	Auporg	Andorek	Anboiek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
<b>1</b> ,nb	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2022-10-23	2023-10-22
2	Pre-amplifier	SONOMA	310N AN	186860	2022-10-23	2023-10-22
3	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Aup Asek	Anbore. A





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# 2. Antenna requirement

Test Requirement:

Refer to 47 CFR Part 15.203, 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 shall be considered sufficient to comply with the provisions of this section.

#### 2.1. Conclusion

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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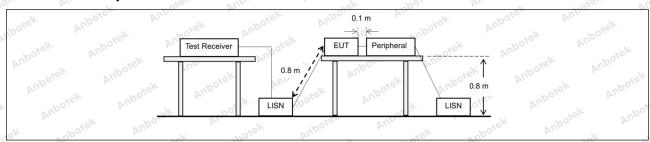
# 3. Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (I radiator that is designed to be conthe radio frequency voltage that is any frequency or frequencies, with exceed the limits in the following line impedance stabilization networks.	nnected to the public utility s conducted back onto the hin the band 150 kHz to 30 table, as measured using a	(AC) power line, AC power line on MHz, shall not
potek Anbotek	Frequency of emission (MHz)	Mpore	
	otek anbore An	Quasi-peak	Average
- rek abotek	0.15-0.5	66 to 56*	56 to 46*
Test Limit:	0.5-5	56 Anb	46
	5-30 No. 100 Miles	60. Note:	50
Ann otek Anbote	*Decreases with the logarithm of	the frequency.	Anboten Anb
Test Method:	ANSI C63.10-2020 section 6.2	Anbore, Anb	anbotek Ant
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from un		od for ac power-

# 3.1. EUT Operation

Operating Envi	ironment:	Aupoten	Vun Jek	nbotek	Aupo,	W. Potek
Test mode:	1: TM1: WTP Mode	Anbotek	Yup.	aborek	Anbore	VII.

# 3.2. Test Setup





Hotline

www.anbotek.com.cn

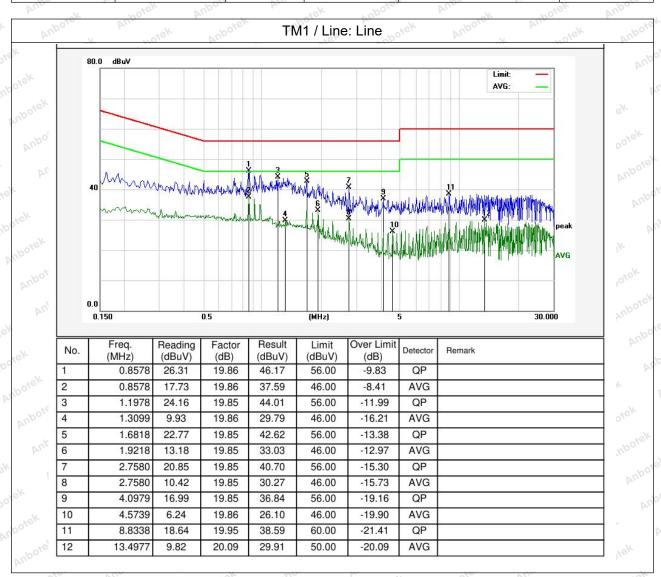
400-003-0500



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#### 3.3. Test Data

Temperature: 24.5 °C Humidity: 63 % Atmospheric Pressure: 97 kPa

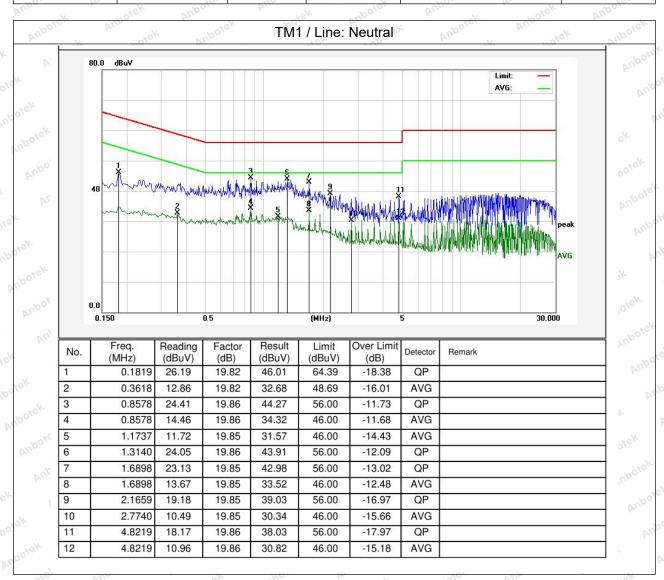






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Temperature: 24.5 °C Humidity: 63 % Atmospheric Pressure: 97 kPa







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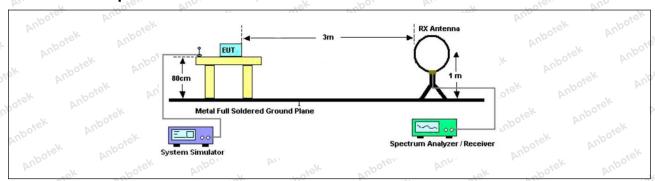
# 4. Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209		
Aupotek Vupotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Anbo	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30 And And	30 Aupo,
Pur Yur	30-88	100 **	3 botek
	88-216	150 **	3
And k hotek	216-960	200 **	3rek Anbor
	Above 960	500 tel 100 P	3
	sections of this part, e.g., §§ 15.231 and 15.241.  As shown in § 15.35(b), for limits in paragraphs (a)and However, the peak field str maximum permitted average under any condition of more paragraph (b)of this section	these frequency bands is permit frequencies above 1000 MHz, to (b)of this section are based on ength of any emission shall not ge limits specified above by more dulation. For point-to-point opera in, the peak field strength shall not a along the antenna azimuth.	the field strength average limits. exceed the e than 20 dB tion under
Test Method:	ANSI C63.10-2020 section	PULL SOLVER	ek abotek
Procedure:	ANSI C63.10-2020 section	6.4 stek anbotek An	por Ali

# 4.1. EUT Operation

o'l	Operating Envir	onment:	Aug	upotek	Anbo.	bi.	Ank
	Test mode:	1: TM1: WTP Mode	Anbo iek	Spotek	Anboro	YII.	

# 4.2. Test Setup





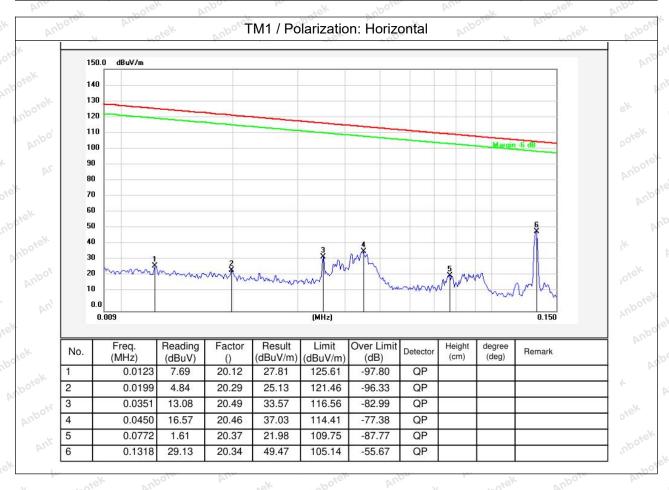




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#### 4.3. Test Data

Temperature: 23 °C Humidity: 57.6 % Atmospheric Pressure: 101 kPa

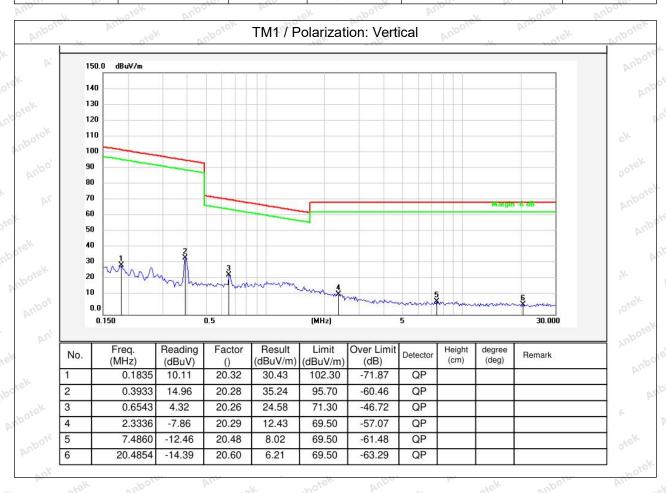






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Temperature: 23 °C Humidity: 57.6 % Atmospheric Pressure: 101 kPa







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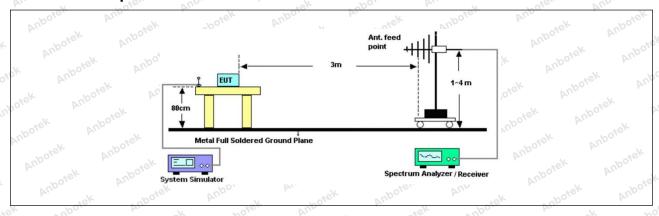
# 5. Emissions in frequency bands (30MHz - 1GHz)

Test Requirement:	47 CFR Part 15.209		
Anbotek Anbotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
And	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30 And	30 Anbo.
ipose Yun	30-88	100 **	3 botek
	88-216	150 **	3
And k hotek	216-960	200 **	3rek Anbor
	Above 960	500 tel 100 P	3
	sections of this part, e.g., §§ 15.231 and 15.241.  As shown in § 15.35(b), for limits in paragraphs (a) and However, the peak field str maximum permitted average under any condition of more paragraph (b)of this section	these frequency bands is permit frequencies above 1000 MHz, (b)of this section are based on ength of any emission shall not ge limits specified above by more dulation. For point-to-point opera n, the peak field strength shall not along the antenna azimuth.	the field strength average limits. exceed the e than 20 dB tion under
Test Method:	ANSI C63.10-2020 section	PUD SISK YPO	ek abotek
Procedure:	ANSI C63.10-2020 section	6.5 otek Anbotek An	Por VIII

# 5.1. EUT Operation

o'	Operating Envir	onment: Anbore	Aug	nbotek	Aupo	Projek.	An
7	Test mode:	1: TM1: WTP Mode	Anbo tek	abotek	Anbore	All	

# 5.2. Test Setup





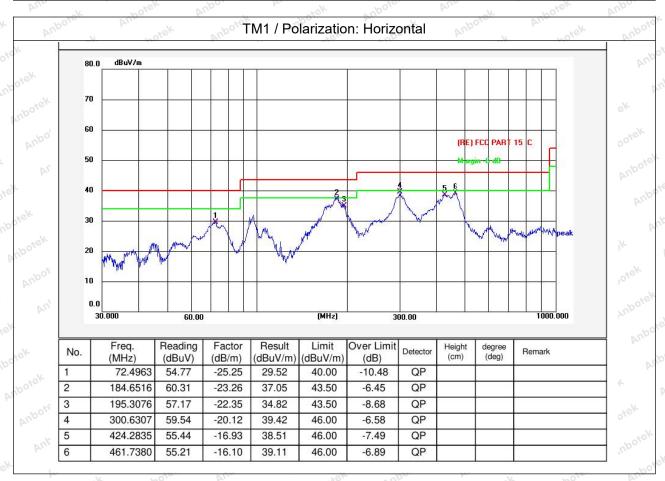




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#### 5.3. Test Data

Temperature: 24 °C Humidity: 48.4 % Atmospheric Pressure: 101.7 kPa

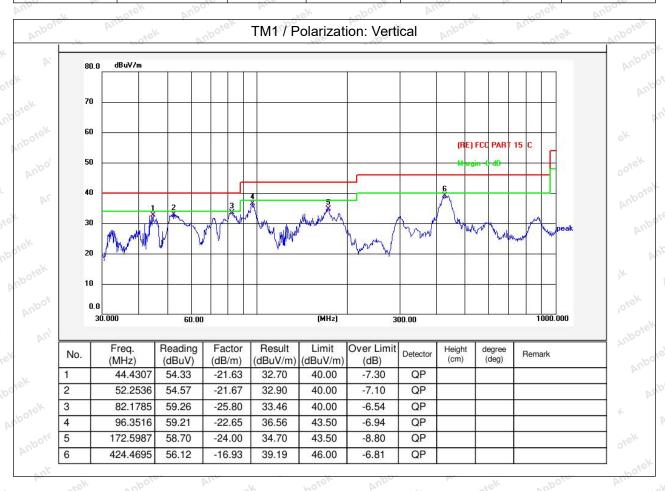






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Temperature: 24 °C Humidity: 48.4 % Atmospheric Pressure: 101.7 kPa







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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 -----

