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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
Anboter Anbotek Anbotek	hotek Anbotek Anbo
Date of Test:	Sept. 06, 2023 to Sept. 08, 2023
Anbotek Anbotek Anbotek Anbotek Anbotek	Stella Zhu
Prepared By:	Andrew Andrew
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	Idward pan
Approved & Authorized Signer:	abotek Anbo
k above. And k sovek Anbo.	(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 Ant
10	or Anbotek Anbotek	Anbotek Anbotek Anbot	tek Anbotek Anbotek





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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)

*e [/]	40°	And
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 Anborek Anborek Anborek Anborek Anborek Anborek Anborek
Test Power Supply	:	AC 120V, 60Hz for Adapter
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A otek Anbotek Anbotek Anbotek Anbotek
RF Specification		
Operation Frequency	:	110.1-205kHz
Modulation Type	:	FSK Anbote Anbotek Anbotek Anbotek Anbotek Ar
Antenna Type	:	Inductive loop coil Antenna
Antenna Gain(Peak)	:	OdBiek Anborek Anborek Anborek Anborek
Domark:		

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





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1.4. Description of Test Modes

Pretest Modes	Descriptions	
hotek TM1nboten And	WTP Mode	0,46

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	Prote
Conducted Emission at AC power line	Mode1	PART
Emissions in frequency bands (below 30MHz)	Mode1	P
Emissions in frequency bands (30MHz - 1GHz)	Mode1	nbote Pk
Note: P: Pass N: N/A, not applicable	Anbotek Anbotek	Anborek

otek





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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.
- 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	pole, by	hotek An	potek Anbo
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 1	EMI Test Receiver	Rohde & Schwarz	ESPI7	101340	2023-02-22	2024-02-21
A.Z	Pre-amplifier	Emtrace	RP01A	00517	2023-02-22	2024-02-21
3 ^{Anb}	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2022-10-23	2023-10-22
_e ×4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	Anbotek / Ant	oter / Anton

Emiss	sions in frequency ba	ands (30MHz - 1GHz)	Anbotek	Aupore	Andorek	Anboiek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 ,nb	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2022-10-23	2023-10-22
2	Pre-amplifier	SONOMA	310N N	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	Aug Jek	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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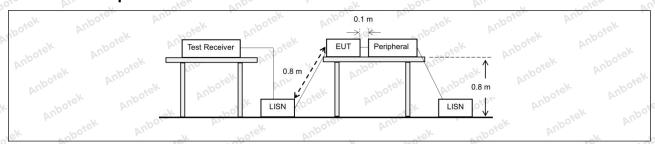
3. Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 µH/50 ohms line impedance stabilization network (LISN).				
Dr. Div.	Frequency of emission (MHz)	Conducted limit (dBµV)			
abotek Anbo	Totek Anbore All	Quasi-peak	Average		
- isk " upoter	0.15-0.5	66 to 56*	56 to 46*		
Test Limit:	0.5-5	56 Anb	46		
shotek Anbo.	5-30 No. 100 Miles	60 MOTER AT	50		
Ans anbore	*Decreases with the logarithm of	the frequency.	Anboten Anbo		
Test Method:	ANSI C63.10-2020 section 6.2	Anbore. And atek	anbotek Anb		
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from un		od for ac power-		

3.1. EUT Operation

Operating Envi	ronment:	Aupoten	Vun.	upotek	Aupo,	hotek.
Test mode:	1: TM1: WTP Mode	anbotek	Aupo	abotek	Aupore	VIII

3.2. Test Setup





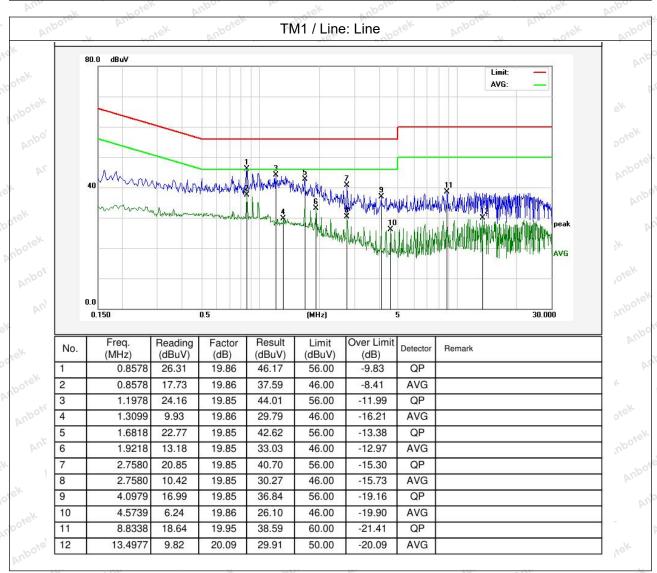
Hotline



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3.3. Test Data

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



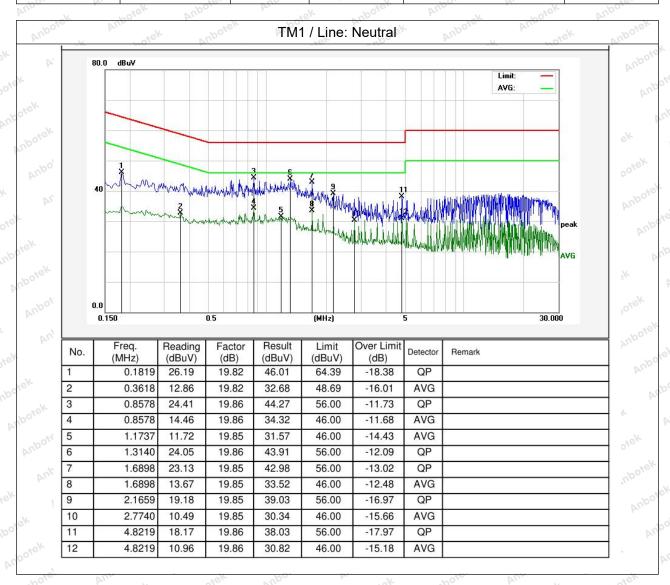






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Temperature: 24.5 °C Humidity: 63 % Atmospheric Pressure: 97 kPa







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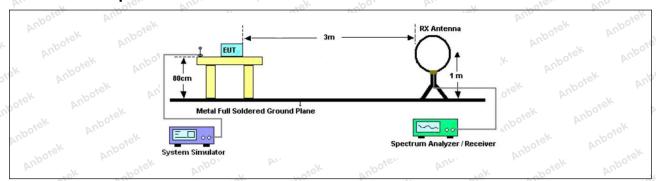
4. Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209	Vupor Vira Polek Vupi	Her Aug
Anbotek Anbotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Aug sek	0.009-0.490	2400/F(kHz)	300
otek Anbo, Air	0.490-1.705	24000/F(kHz)	30
.ek abotek	1.705-30.0	M30 And K Poken	30 Anbo
Anbore Arr	30-88	100 **	3 botek
hotek Anbor	88-216	150 **	3
Ant boyek	216-960	200 **	3 ek
Anbore And	Above 960	500 At Ambore At	3
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	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 stremaximum permitted averagunder any condition of mod	frequencies above 1000 MHz, to the control of this section are based on a sength of any emission shall not be limits specified above by more ulation. For point-to-point operator, the peak field strength shall not be set to the control of the cont	he field strength average limits. exceed the e than 20 dB tion under
Test Method:		along the antenna azimuth.	*ek Aupolek
Procedure:	ANSI C63.10-2020 section	6.4 Anhorek Anhorek	or Ali

4.1. EUT Operation

Operating Envir	onment:	Aug	^{upotek}	Aupo	bo,ek	Anc
Test mode:	1: TM1: WTP Mode	Anbe	abotek	Anboro	All	

4.2. Test Setup





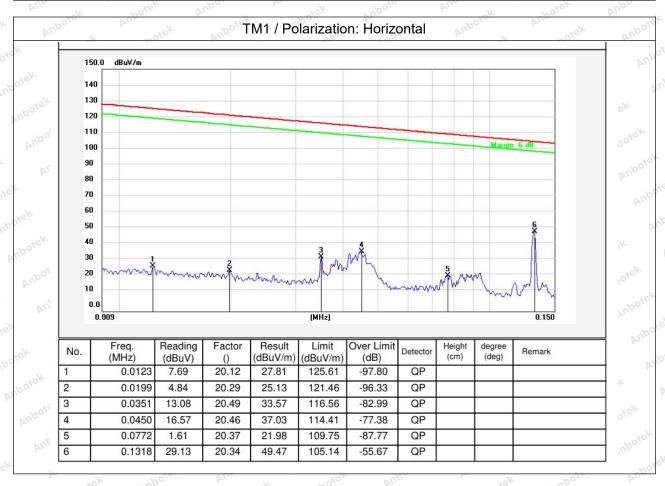




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4.3. Test Data

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

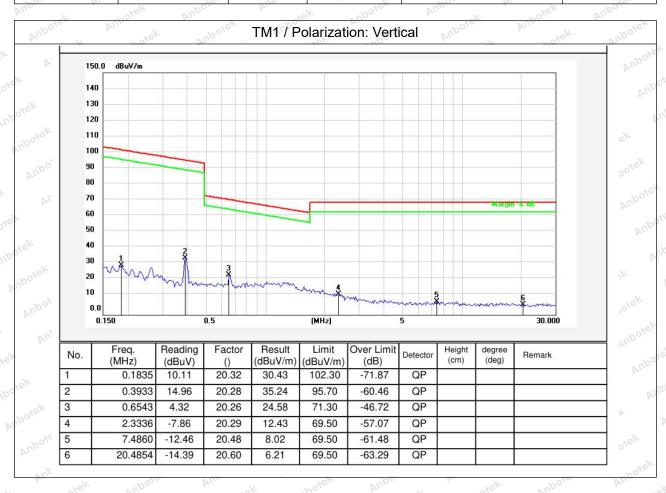






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Temperature: 23 °C Humidity: 57.6 % Atmospheric Pressure: 101 kPa







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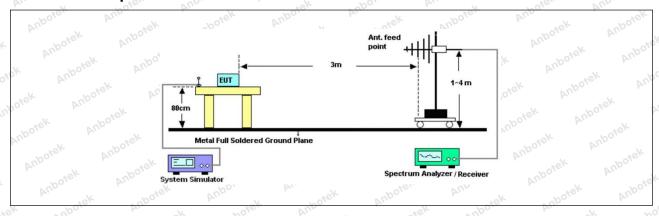
5. Emissions in frequency bands (30MHz - 1GHz)

Test Requirement:	47 CFR Part 15.209	Anbor Ar hotek An	poter Aug
Anbotek Anbotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30 And	30 Mupo,
ipole, Aug	30-88	100 **	3 hotek
	88-216	150 **	3
Anbo K Sotek	216-960	200 **	3,ek Anbor
	Above 960	500 3ek	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	r frequencies above 1000 MHz, (b)of this section are based on ength of any emission shall not ge limits specified above by modulation. For point-to-point opern, the peak field strength shall r	the field strength average limits. exceed the re than 20 dB ation under
Test Method:	ANSI C63.10-2020 section	along the antenna azimuth.	ster, Aug spotek
Procedure:	ANSI C63.10-2020 section	- 14 - 15 - 15 - 15 - 15 - 15 - 15 - 15	Upore Vue

5.1. EUT Operation

o'l	Operating Envir	onment:	Anba	Anbotek	Aupo.	by, polek	An
	Test mode:	1: TM1: WTP Mode	Aupo	Spotek	Anboro	VIII.	

5.2. Test Setup





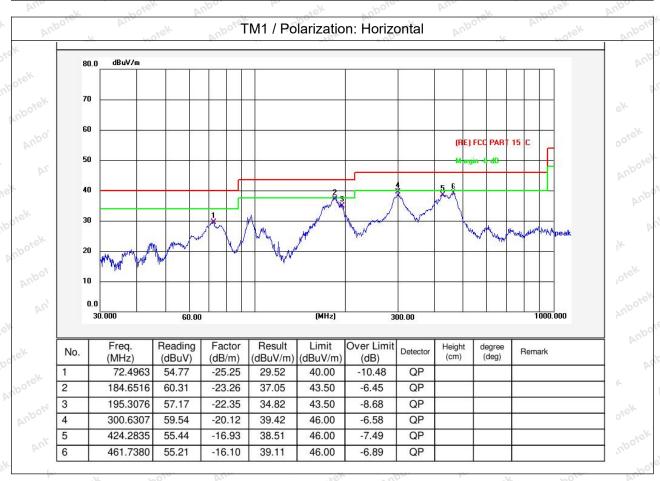




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5.3. Test Data

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

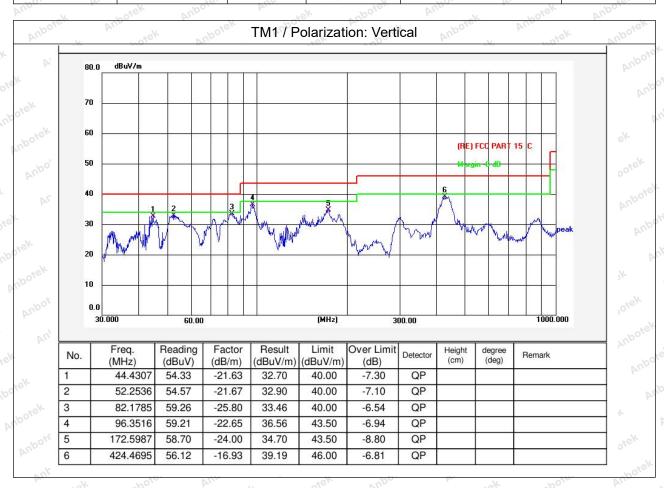






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Temperature: 24 °C Humidity: 48.4 % Atmospheric Pressure: 101.7 kPa







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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 -----

