TEST REPORT

Application No.:	BTEK240226014AE
Version Number:	V0
Applicant:	Shenzhen Semetor Electronics Co., LTD
Address of Applicant:	B3, 3th floor, guanglong building, No.162, pingxin north road, hehua community, pinghu street, longgang district,shenzhen city, guangdong
Manufacturer:	Shenzhen Semetor Electronics Co., LTD
Address of Manufacturer:	Floor 8/9, Hongwei Technology Building, 102, No. 2, Weiling Road, EgonglingCommunity, Pinghu Street, Longgang District, Shenzhen
Factory:	Shenzhen Semetor Electronics Co., LTD
Address of Factory:	Floor 8/9, Hongwei Technology Building, 102, No. 2, Weiling Road, EgonglingCommunity, Pinghu Street, Longgang District, Shenzhen
Equipment Under Test (EUT):	
EUT Name:	Multi-Function Wireless Charger
Model No.:	S32
Trade Mark:	N/A
Standard(s) :	47 CFR PART 1, Subpart I, Section 1.1310 47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt:	2024-03-07
Date of Test:	2024-03-07 to 2024-03-21
Date of Issue:	2024-03-26
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Damon Su
EMC Laboratory Manager

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
V0		2024-03-26		*Original*

Authorized for issue by:				
		Elma Yang **Elma Yang /Project Engineer**		
		Carl Yang **Carl Yang /Reviewer**		

2 Contents

3 General Information

3.1 Details of E.U.T.

Power Supply	Input: DC 5V/3A 9V/2A Wireless Output (Phone): 5W, 7.5W, 10W, 15W Wireless Output (Watch): 2.5W
Modulation Type	FSK
Operating frequency	Watch: 328.300kHz Iphone: 115kHz-205kHz
Antenna Type	Coil antenna
Hardware Version	V1.0
Software Version	V1.0
Sample number	BTEK240226014AE-01
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
WPC charging load	EESON	2S	/
Adapter	FUSHIGANG	AS1201A0502000USU	--

3.3 Test Location

All tests were performed at:
Shenzhen BANTEK Testing Co., Ltd.,
A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104
Tel:0755-2334 4200 Fax: 0755-2334 4200
FCC Registration Number: 264293
Designation Number: CN1356
No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None

4 Test Requirement

KDB 680106 D01 Wireless Power Transfer v04
According to KDB 680106 D01:

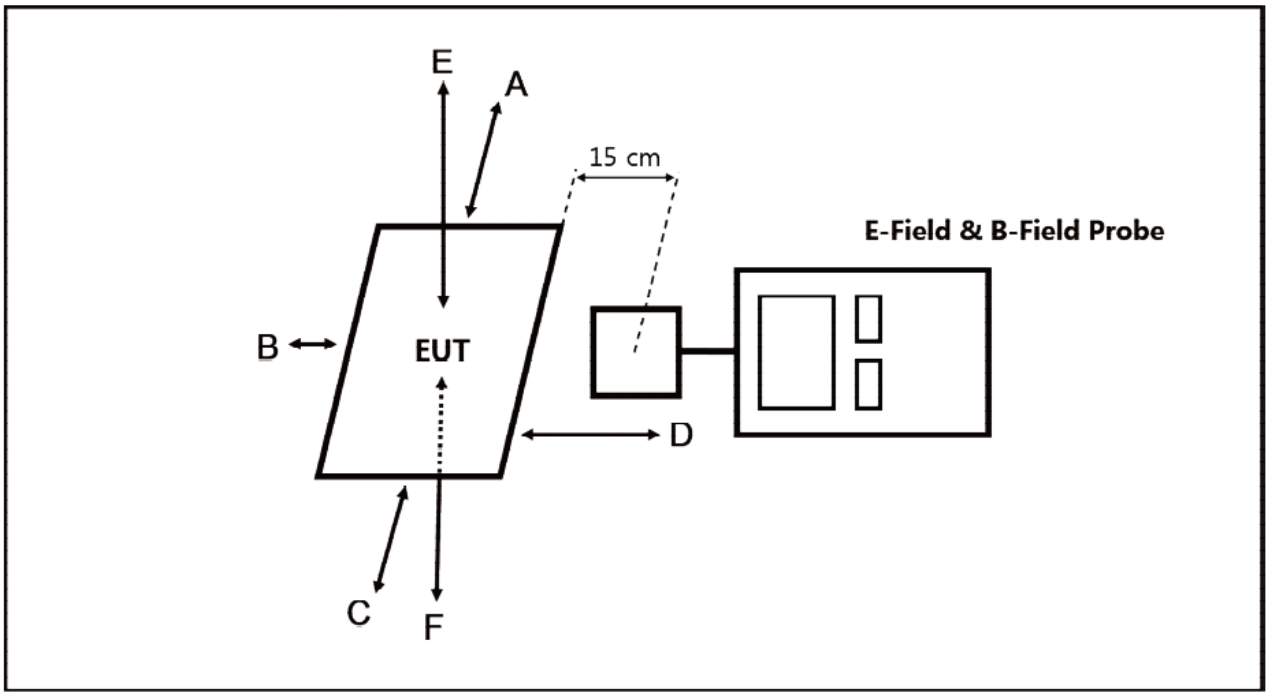
Requirements of KDB 680106 D01	Description
WPT operating frequency (or frequencies).	328.300kHz, 115kHz-205kHz
Number of radiating structure(Coil)	Two radiated Coil
Conducted power for each radiating structure.	Maximum 15W
§ 2.1091-Mobile or § 2.1093-Portable demonstrated scenarios of operation, including RF exposure compliance information	Mobile Device
Maximum distance from the WPT transmitter at which, by design, a load can be charged (including slow-charging operations)	Charing with the load directly contact

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	$*900/f^2$	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	$*180/f^2$	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

Test Setup



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 15cm measured from the center of the probe(s) to the edge of the device.

1) The RF exposure test was performed in anechoic chamber.
2) The measurement probe was placed at test distance (15cm) which is between the edge of the charger and the geometric center of probe.
3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.
4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

4.1 Assessment Result

☒ **Passed** ☐ **Not Applicable**

Note: All test modes were pre-tested, but we only recorded the worst case in this report.

H-Field Strength at 15 cm from the edges surrounding the EUT and 15cm from the top surface of the EUT

Frequency Range(MHz): 115-205kHz&328.3kHz

Charging Battery Level	Unit	Measured E-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.1558	0.1573	0.1559	0.1585	0.1598	--	--
1%	A/m	0.1204	0.1257	0.1239	0.1238	0.1275	0.815	1.63
50%	uT	0.1309	0.1362	0.1305	0.1338	0.1352	--	--
50%	A/m	0.1058	0.1080	0.1044	0.1091	0.1025	0.815	1.63
99%	uT	0.1263	0.1221	0.1258	0.1216	0.1243	--	--
99%	A/m	0.0994	0.0927	0.0906	0.0949	0.0915	0.815	1.63

uT=1.25* A/m

E-Field Strength at 15 cm from the edges surrounding the EUT and 15cm from the top surface of the EUT
Frequency Range(MHz): 115-205kHz&328.3kHz

Charging Battery Level	Unit	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	V/m	45.2055	45.2023	45.2061	45.2023	45.2084	307	614
50%	V/m	39.5054	39.5058	39.5051	39.5044	39.5025	307	614
99%	V/m	37.8047	37.8097	37.8027	37.8036	37.8060	307	614

Note: V/m= A/m *377

I-Field Strength at 20cm from the top surface of the EUT
Frequency Range(MHz): 115-205kHz&328.3kHz

Charging Battery Level	Unit	Measured E-Field Strength Values (A/m)	FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position E		
1%	uT	0.1011	--	--
1%	A/m	0.1055	0.815	1.63
50%	uT	0.1002	--	--
50%	A/m	0.1084	0.815	1.63
99%	uT	0.1014	--	--
99%	A/m	0.1039	0.815	1.63

Note:A/m=uT/1.25

Note: All test modes were pre-tested, but we only recorded the worst case in this report.

4.2 Test Set-up Photo

Top 20cm

- End of the Report -