TEST REPORT

Application No.:	BTEK240612014A
Applicant:	ZAGG INC.
Address of Applicant:	910 West Legacy Center Way Midvale,UT 84047
Manufacturer:	ZAGG INC.
Address of Manufacturer:	910 West Legacy Center Way Midvale,UT 84047
Equipment Under Test (EUT):	
EUT Name:	Magnetic Wireless Charger
Test Model.:	ZBAGUNISC349
Adding Model(s):	/
Trade Mark:	ZAGG
FCC ID:	QTG-ZWCIHSTK
Standard(s) :	47 CFR PART 1, Subpart I, Section 1.1310 47 CFR PART 2, Subpart J, Section 2.1091
Date of Receipt:	2024-06-13
Date of Test:	2024-06-13 to 2024-06-27
Date of Issue:	2024-07-17
Test Result:	**Pass***

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

Lion Cai/ Approved & Authorized
EMC Laboratory Manager

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
V0		*2024-06-28*		*Original*
V1		*2024-07-17*		*1.Updated page 4,5,6,7,8*

Authorized for issue by:				
		Zora Huang **Zora Huang/Project Engineer**		
		June Li **June Li /Reviewer**		

2 Contents

3 General Information

3.1 Details of E.U.T.

Power Supply	Input: DC 5V/2A,9V2A Wireless Output: 15W
Modulation Type	FSK
Operating frequency	112kHz-205kHz
Antenna Type	Coil antenna
Hardware Version	V1.0
Software Version	V1.0
Sample number	BTEK240612013AE-01~02
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 EUT Test Mode

Test Mode List		
Test Mode	Description	Remark
01	Full Load	Adapter charge with 9V/2A+output with Wireless Charger 15W
02	Half Load	Adapter charge with 5V/2A+output with Wireless Charger 10W
03	No Load	Keep the EUT standby mode
Remark:1.Remark:1.Adapter charge with 9V/2A+output with Wireless Charger 15W was worse case mode. Only show the worst case in the test report		

3.3 Description of Support Units

Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
WPC charging load	EESON	2S	/
Adapter	FUSHIGANG	AS1201A0502000USU	/

3.4 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.

3.5 Deviation from Standards

None

3.6 Abnormalities from Standard Conditions

None

4 Test Requirement

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

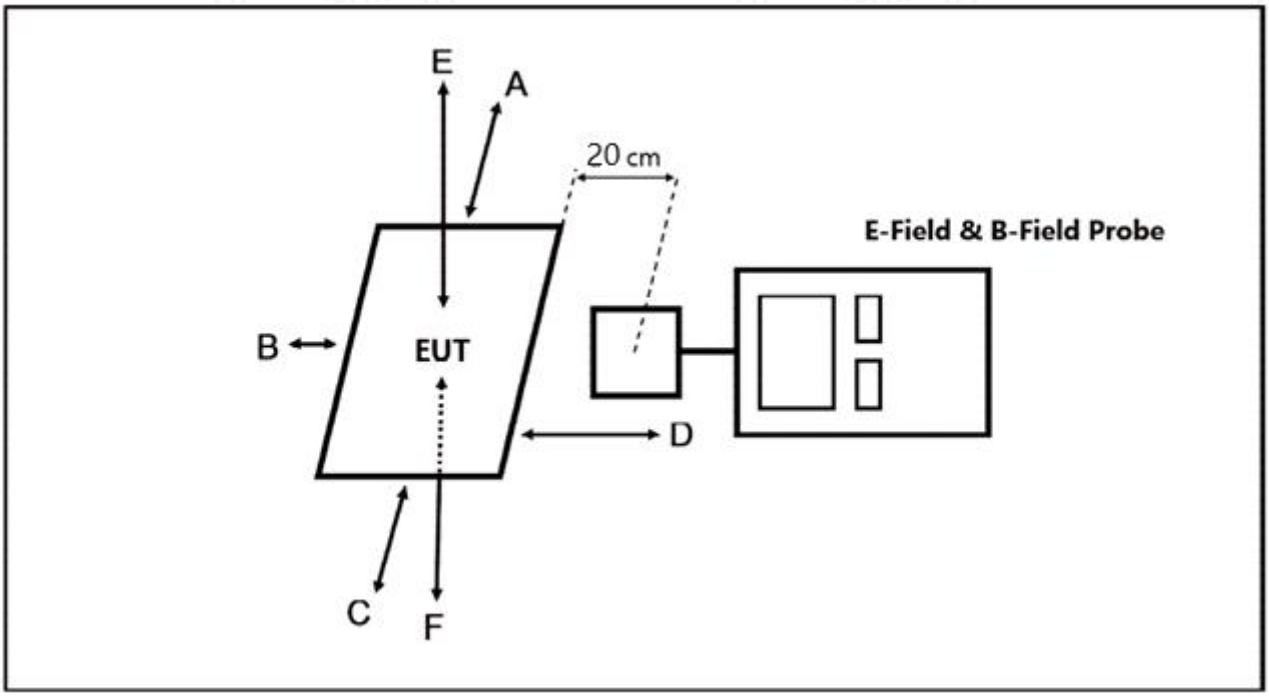
Requirements of KDB 680106 D01	Description
1.Power transfer frequency is less than 1 MHz	112kHz-205kHz
2. Output power from each primary coil is less than or equal to 15 watts	Maximum 15W
3. The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.	One radiated Coil
4. Client device is placed directly in contact with the transmitter.	Yes. The client device is placed directly in contact with the transmitter.
5.Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)	Mobile device
6. The aggregate H-field strengths anywhere at or beyond 20 cm surrounding the device, and 20cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.	Yes, The H-field strengths anywhere at or beyond 20 cm surrounding the device

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 20cm 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 (20cm) 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.

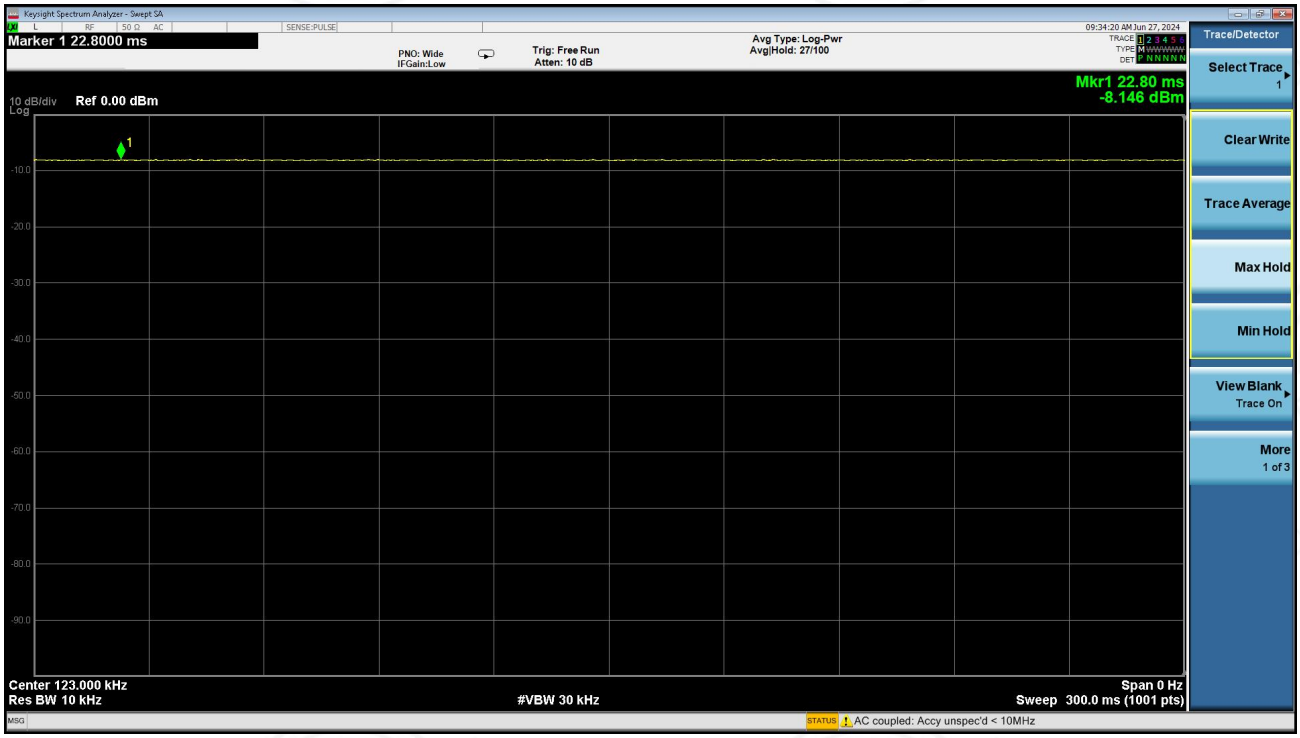
4.1 Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Exposure Level Tester	Narda	ELT-400	N-0219	2024-06-10	2025-06-09
B-Field Probe	Narda	100cm²	M-0753	2024-06-10	2025-06-09

4.2 Assessment Result

☒ Passed ☐ Not Applicable

Duty cycle=100%



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

H-Field Strength at 20 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT
Frequency Range (MHz): 123 KHz

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	0.1521	0.1504	0.1518	0.1539	0.1548	--	--
1%	A/m	0.1217	0.1203	0.1214	0.1231	0.1238	0.815	1.63
50%	uT	0.1269	0.1253	0.1255	0.1261	0.1270	--	--
50%	A/m	0.1015	0.1002	0.1004	0.1009	0.1016	0.815	1.63
99%	uT	0.1133	0.1145	0.1156	0.1153	0.1128	--	--
99%	A/m	0.0906	0.0916	0.0925	0.0922	0.0902	0.815	1.63

uT=1.25* A/m

E-Field Strength at 20 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT
Frequency Range(MHz): 123 KHz

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	45.8809	45.3531	45.7678	46.4087	46.6726	307	614
50%	V/m	38.2655	37.7754	37.8508	38.0393	38.3032	307	614
99%	V/m	34.1562	34.5332	34.8725	34.7594	34.0054	307	614

Note: V/m= A/m *377

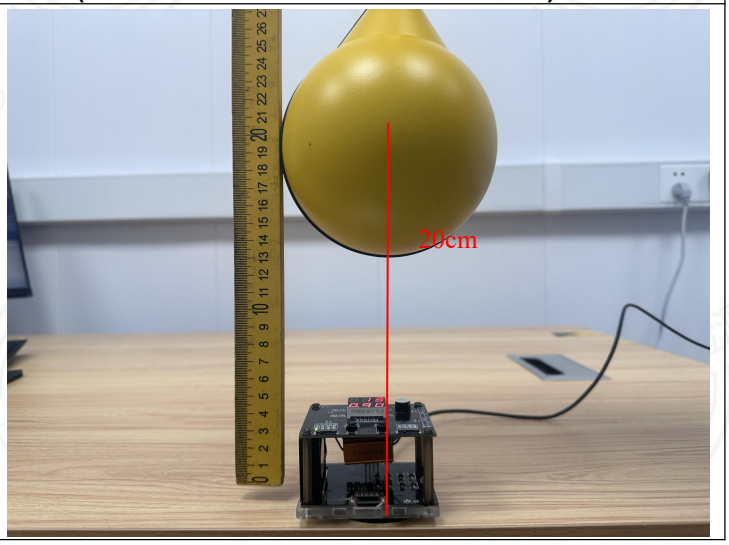
I-Field Strength at 20cm from the top surface of the EUT
Frequency Range(MHz): 123 KHz

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	0.1059	--	--
1%	A/m	0.1029	0.815	1.63
50%	uT	0.1017	--	--
50%	A/m	0.1032	0.815	1.63
99%	uT	0.1034	--	--
99%	A/m	0.1024	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.

4.3 Test Set-up Photo

20cm Remark(Probe center to the EUT side is20cm)	
A	

- End of the Report -