



RF EXPOSURE REPORT

Applicant	:	Peak Design
Address of Applicant	:	2415 3rd St Ste 270 San Francisco CA 94107 USA
Manufacturer	:	Peak Design
Address of Manufacturer	:	2415 3rd St Ste 270 San Francisco CA 94107 USA
Equipment under Test	:	WIRELESS KICKSTAND TRAVEL BATTERY
Model No.	:	M-BT-S5
Trade Mark	:	 , peak design
FCC ID	:	2AZ94MBTS5
Test Standard(s)	:	FCC CFR 47 part1, 1.1307(b), 1.1310 KDB680106 DR03-44118
Report No.	:	DDT-RE26071535-1E04
Issue Date	:	2026/09/12
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

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Test Standard Used:

FCC CFR 47 part1, 1.1307(b), 1.1310; KDB680106 DR03-44118

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE26071535-1E04		
Date of Receipt:	2026/07/21	Date of Test:	2026/07/21~2026/08/31

Created: Zeng Zhongyao	Reviewed: Zoe Peng	Approved: Ella Gong
		
2026/08/31	2026/09/12	2026/09/12

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2026/09/12	Ella Gong

1. General Test Information

1.1. Description of EUT

EUT Name	: WIRELESS KICKSTAND TRAVEL BATTERY
Model Number	: M-BT-S5
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: Li-ion Battery: 5000mAh, 3.91V, 19.55Wh USB-C Input, While Wireless Output: 5V/9V/12V=3A, 15V=2.4A (36W MAX) USB-C Input/Output, No Wireless Output: 5V=3A, 9V=2.22A (20W MAX) Wireless Output: 15W MAX (Battery Only), 25W MAX (Pass Through) Combined Output: 5V=2A (USB-C) + 5W (Wireless)Supported
Hardware Version	: V1.3
Software Version	: V1.3
Wireless charging operation frequency	: 111KHz-147KHz, 360KHz
Antenna Type	: Inductive loop coil antenna

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

1.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
Dummy load	N/A	N/A	N/A
Phone	Apple	Iphone 15pro	N/A

1.3. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

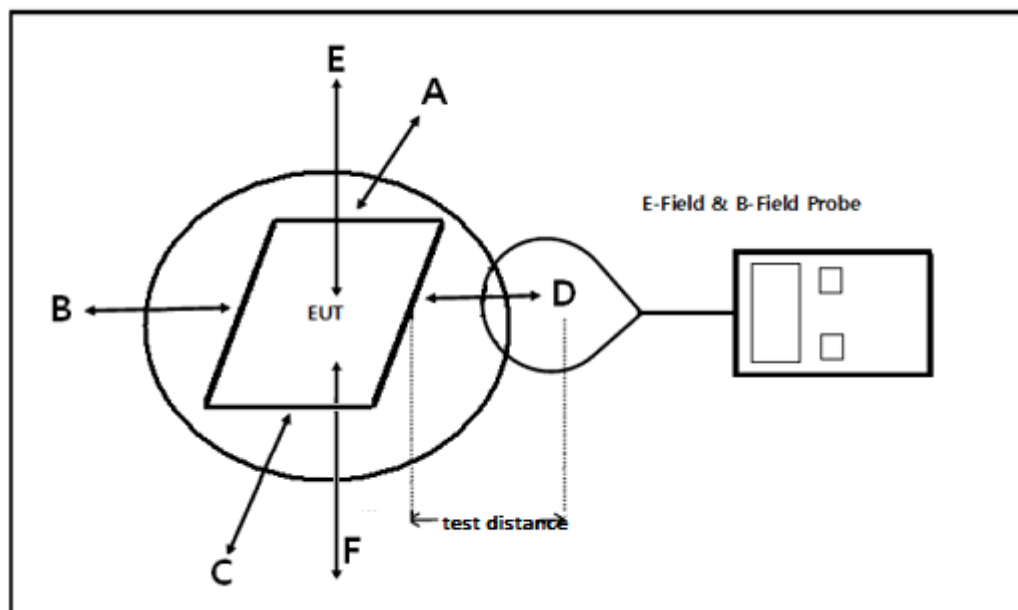
VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2. RF Exposure evaluation for FCC

2.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC04773	2027/01/11

2.2. Block diagram of test setup



2.3. Limits

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310 and §2.1091 RF exposure is calculated.

According KDB 680106 D01: RF Exposure Wireless Charging Apps v03r01.

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

2.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Dummy load	/	/	/	/
Phone	Apple	Iphone 15pro	/	/

2.5. Test procedure

- The RF exposure test was performed in shielded chamber.
- The measurement probe was placed at test distance (0cm, 2cm, 4cm, 6cm, 8cm, 10cm, 20 cm) which is between the edge of the charger and the geometric centre of probe.
- The measurement probe used to search of highest strength.
- 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.
- The EUT were measured according to the dictates of KDB 680106 D01 RF Exposure Wireless Charging App v03r01.

Equipment approval considerations:

The EUT does comply with section 5 b) of KDB 680106 D01 RF Exposure Wireless Charging App v03r01.

(1) Power transfer frequency is less than 1 MHz.

Yes; the device operates in the frequency range from 111 kHz - 360 kHz

(2) Output power from each primary coil is less than or equal to 15 watts

No, the maximum output power of the primary coil is 25 W.

(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.

No, the transfer system only includes one primary coils.

(4) Client device is placed directly in contact with the transmitter.

Yes.

(5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

No, the EUT is for portable exposure.

(6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm 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; EUT was evaluated as above.

2.6. Test result

Test Engineer:	Tyang	Test Site:	8# Laboratory
Ambient Condition:	24.6 °C, 43.5 %RH	Test Date:	2026.08.26
Test Power Supply:	Battery	Sample Number:	S26071535-034

Operation Mode:	Charge with mobile phone				Test Power Supply			
Test Position	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	6.1810	6.8573	6.3576	307	0.6233	0.4704	0.4844	0.815
B	4.6592	3.7678	2.7464	307	0.6024	0.6440	0.6665	0.815
C	6.4386	4.7943	4.5842	307	0.4354	0.3739	0.3966	0.815
D	4.4313	4.1049	3.6698	307	0.6709	0.7698	0.7049	0.815
E	25.710	25.334	21.705	307	0.0640	0.0547	0.0567	0.815
F	22.212	22.161	21.760	307	0.1818	0.1666	0.2195	0.815

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with iphone mobile phone 0cm.

Operation Mode:	Charge with mobile phone				Test Power Supply			
Test Position	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	2.3195	2.1787	2.1559	307	0.3251	0.2949	0.0997	0.815
B	0.6850	0.4207	0.5489	307	0.4402	0.4193	0.3631	0.815
C	1.2549	1.1848	1.1193	307	0.2584	0.2858	0.2800	0.815
D	0.9479	0.5871	0.6017	307	0.2764	0.3789	0.3260	0.815
E	8.8520	5.4161	5.2004	307	0.0560	0.0581	0.0567	0.815
F	3.0225	3.0119	2.6023	307	0.1430	0.1949	0.1755	0.815

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with iphone mobile phone 2cm.

Operation Mode:	Charge with mobile phone				Test Power Supply			
Test Position	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	1.5957	1.5425	1.3399	307	0.2717	0.2633	0.2395	0.815
B	0.3872	0.4806	0.4444	307	0.3834	0.3072	0.3081	0.815
C	0.8347	0.6755	0.6412	307	0.1888	0.1688	0.1763	0.815
D	0.5898	0.4904	0.5196	307	0.2334	0.2959	0.2540	0.815
E	3.7785	2.7224	2.6454	307	0.0563	0.0560	0.0543	0.815
F	1.0682	0.8198	0.6847	307	0.0904	0.1148	0.1255	0.815

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with iphone mobile phone 4cm.

Operation Mode:	Charge with mobile phone				Test Power Supply			
Test Position	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	0.7643	0.7148	0.5610	307	0.1400	0.1376	0.1506	0.815
B	0.3221	0.3766	0.3455	307	0.2547	0.2476	0.2258	0.815
C	0.4403	0.4324	0.3884	307	0.1138	0.1279	0.1312	0.815
D	0.5513	0.3525	0.5985	307	0.1492	0.1454	0.1260	0.815
E	1.3105	1.2832	1.2803	307	0.0543	0.0541	0.0562	0.815
F	0.3724	0.3494	0.3981	307	0.1029	0.0981	0.0882	0.815

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with iphone mobile phone 6cm.

Operation Mode:	Charge with mobile phone				Test Power Supply			
Test Position	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	0.4386	0.4110	0.3865	307	0.0902	0.0981	0.0932	0.815
B	0.3624	0.3078	0.3648	307	0.1747	0.1491	0.1204	0.815
C	0.3160	0.3078	0.3078	307	0.0949	0.0692	0.0626	0.815
D	0.4316	0.3251	0.3078	307	0.0796	0.0869	0.0715	0.815
E	0.8358	0.7135	0.7080	307	0.0560	0.0578	0.0543	0.815
F	0.3473	0.3202	0.4187	307	0.0782	0.0751	0.0732	0.815

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with iphone mobile phone 8cm.

Operation Mode:	Charge with mobile phone				Test Power Supply			
Test Position	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	0.4444	0.3981	0.3455	307	0.0919	0.0648	0.0664	0.815
B	0.3078	0.3300	0.3160	307	0.1043	0.0860	0.0736	0.815
C	0.3070	0.3300	0.3078	307	0.0604	0.0604	0.0563	0.815
D	0.4020	0.3577	0.3078	307	0.0607	0.0730	0.0601	0.815
E	0.6549	0.6258	0.5884	307	0.0543	0.0560	0.0614	0.815
F	0.3430	0.3730	0.3455	307	0.0562	0.0677	0.0560	0.815

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with iphone mobile phone 10cm.

Operation Mode:	Charge with mobile phone				Test Power Supply			
Test Position	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	0.3160	0.3413	0.3078	307	0.0563	0.0543	0.0548	0.815
B	0.3909	0.3086	0.3221	307	0.0560	0.0543	0.0547	0.815
C	0.4113	0.3865	0.3160	307	0.0543	0.0547	0.0560	0.815
D	0.3300	0.3086	0.3160	307	0.0581	0.0543	0.0580	0.815
E	0.3070	0.3070	0.3160	307	0.0543	0.0563	0.0560	0.815
F	0.3661	0.3326	0.3082	307	0.0562	0.0604	0.0616	0.815

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with iphone mobile phone 20cm.

The distance from the probe measuring point to the EUT surface is 2mm

(Estimated value) = 2cm (actual value) * 4cm (actual value) / 6cm (actual value)

According to the following table, when we backward derivation 0cm, it should be 25.52(V/m), with a deviation from the actual test value of -0.73%.

Measure Result V/m			
0cm	2cm	4cm	6cm
25.710	8.8520	3.7785	1.3105

According to the following table, when we backward derivation 0cm, it should be 0.7711(A/m), with a deviation from the actual test value of 0.13%.

Measure Result A/m			
0cm	2cm	4cm	6cm
0.7698	0.3789	0.2959	0.1454

Dummy load: 25W

Operation Mode:	Charge with mobile phone		Test Power Supply	
Test Position	Probe Measure Result (V/m)	Limits (V/m)	Probe Measure Result (A/m)	Limits (A/m)
	25W		25W	
A	5.9800	307	0.2798	0.815
B	7.7986	307	0.0547	0.815
C	5.5165	307	0.1624	0.815
D	5.6616	307	0.2175	0.815
E	27.310	307	0.2167	0.815
F	9.7577	307	0.1953	0.815

Note: E-Filed Strength and H-Filed Strength at 0cm from the edges surrounding the EUT.

Operation Mode:	Charge with mobile phone		Test Power Supply	
Test Position	Probe Measure Result (V/m)	Limits (V/m)	Probe Measure Result (A/m)	Limits (A/m)
	25W		25W	
A	1.1819	307	0.1705	0.815
B	4.3997	307	0.0616	0.815
C	2.0369	307	0.0802	0.815
D	1.1364	307	0.1548	0.815
E	12.359	307	0.0588	0.815
F	2.7029	307	0.0616	0.815

Note: E-Filed Strength and H-Filed Strength at 2cm from the edges surrounding the EUT.

Operation Mode:	Charge with mobile phone		Test Power Supply	
Test Position	Probe Measure Result (V/m)	Limits (V/m)	Probe Measure Result (A/m)	Limits (A/m)
	25W		25W	
A	1.1079	307	0.1390	0.815
B	2.2830	307	0.0563	0.815
C	1.2357	307	0.0653	0.815
D	0.9379	307	0.0578	0.815
E	4.6851	307	0.0543	0.815
F	1.1819	307	0.0543	0.815

Note: E-Filed Strength and H-Filed Strength at 4cm from the edges surrounding the EUT.

Operation Mode:	Charge with mobile phone		Test Power Supply	
Test Position	Probe Measure Result (V/m)	Limits (V/m)	Probe Measure Result (A/m)	Limits (A/m)
	25W		25W	
A	0.5997	307	0.0849	0.815
B	1.3978	307	0.0581	0.815
C	0.4680	307	0.0563	0.815
D	0.4268	307	0.0560	0.815
E	2.1331	307	0.0543	0.815
F	0.6039	307	0.0580	0.815

Note: E-Filed Strength and H-Filed Strength at 6cm from the edges surrounding the EUT.

Operation Mode:	Charge with mobile phone		Test Power Supply	
Test Position	Probe Measure Result (V/m)	Limits (V/m)	Probe Measure Result (A/m)	Limits (A/m)
	25W		25W	
A	0.3487	307	0.0581	0.815
B	0.9310	307	0.0560	0.815
C	0.3795	307	0.0562	0.815
D	0.3078	307	0.0654	0.815
E	2.3016	307	0.0563	0.815
F	0.3648	307	0.0560	0.815

Note: E-Filed Strength and H-Filed Strength at 8cm from the edges surrounding the EUT.

Operation Mode:	Charge with mobile phone		Test Power Supply	
Test Position	Probe Measure Result (V/m)	Limits (V/m)	Probe Measure Result (A/m)	Limits (A/m)
	25W		25W	
A	0.3168	307	0.0563	0.815
B	0.5644	307	0.0600	0.815
C	0.3270	307	0.0562	0.815
D	0.3078	307	0.0580	0.815
E	1.6408	307	0.0653	0.815
F	0.4086	307	0.0563	0.815

Note: E-Filed Strength and H-Filed Strength at 10cm from the edges surrounding the EUT.

Operation Mode:	Charge with mobile phone		Test Power Supply	
Test Position	Probe Measure Result (V/m)	Limits (V/m)	Probe Measure Result (A/m)	Limits (A/m)
	25W		25W	
A	0.3078	307	0.0563	0.815
B	0.3384	307	0.0543	0.815
C	0.3384	307	0.0562	0.815
D	0.3168	307	0.0562	0.815
E	0.3168	307	0.0563	0.815
F	0.3160	307	0.0543	0.815

Note: E-Filed Strength and H-Filed Strength at 20cm from the edges surrounding the EUT.

The distance from the probe measuring point to the EUT surface is 2mm
(Estimated value) = 2cm (actual value) * 4cm (actual value) / 6cm (actual value)

According to the following table, when we backward derivation 0cm, it should be 27.31(V/m), with a deviation from the actual test value of -0.6%.

Measure Result V/m			
0cm	2cm	4cm	6cm
27.310	12.359	4.6851	2.1331

According to the following table, when we backward derivation 0cm, it should be 0.2791(A/m), with a deviation from the actual test value of 0.07%.

Measure Result A/m			
0cm	2cm	4cm	6cm
0.2798	0.1705	0.1390	0.0849

4. Photos of the EUT

Please refer to DDT-Q26071535-1E appendix I

-----End Report-----