



Test Report No.: FM2504WDG0372



RF EXPOSURE TEST REPORT

Applicant	Belkin International, Inc.
Address	555 S. Aviation Blvd., Suite 180, El Segundo, CA 90245, USA

Manufacturer or Supplier	Belkin International, Inc.
Address	555 S. Aviation Blvd., Suite 180, El Segundo, CA 90245, USA
Product	UltraCharge 2-in-1 Foldable Magnetic Charger
Brand Name	belkin
Model	WIZ039
Additional Model & Model Difference	WIZ038, See section 1.1
Date of tests	May 07, 2025

The submitted sample of the above equipment has been tested according to the requirements of the following standard:

- 47 CFR PART 1, Subpart I, Section 1.1310
- KDB 680106 D01

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Eric Fang Project Engineer / EMC Department	Approved by Glyn He Assistant Manager/ EMC Department
	
	Date: Jun. 27, 2025

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2504WDG0372	Original release	Jun. 27, 2025

1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

FCC ID	K7SWIZ038
PRODUCT	UltraCharge 2-in-1 Foldable Magnetic Charger
MODEL NO.	WIZ039
ADDITIONAL MODEL	WIZ038
POWER SUPPLY	DC 9V or15V From Adapter
MODULATION TECHNOLOGY	FSK
OPERATING FREQUENCY RANGE	25W Qi2 Charging Coil (BPP/MPP): 111-148/360kHz 5W Qi2 (BPP) Charging Coil: 111-148kHz
ANTENNA TYPE	Coil Antenna*2
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	See section 2.2

NOTES:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
- Please refer to the EUT photo document (Reference No.: 2504WDG0372-1 and 2504WDG0372-2) for detailed product photo.
- Additional model WIZ038 is identical with test model WIZ039 except the appearance and model no. for trading purpose. And the detail as follows:

Product Name	Model No.	Difference
UltraCharge 2-in-1 Foldable Magnetic Charger	WIZ039	Round
	WIZ038	Square

Due to the above differences, we chose WIZ039 for all the tests.

- Adapter information as follows:

45W USB-C Wall Charger with PPS	
MODEL NO.:	WCA013dq
BRAND NAME:	belkin
INPUT:	100-240Vac, 1.0A, 50-60Hz
OUTPUT:	(PDO)5Vdc 3A, 9Vdc 3A, 12Vdc 3A, 15Vdc 3A, 20Vdc 2.25A (PPS) 5-16Vdc 2.8A
PLUG TYPE	US



2. RF EXPOSURE MEASUREMENT

2.1 LIMITS

§ 1.1310 The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radiofrequency(RF) radiation as specified in § 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of § 2.1093 of this chapter.

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 Exposures				
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
300–1500 .....	.....	.....	f/300	6
1500–100,000 .....	.....	.....	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
300–1500 .....	.....	.....	f/1500	30
1500–100,000 .....	.....	.....	1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

NOTE 1 TO TABLE 1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

NOTE 2 TO TABLE 1: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

Reference KDB 680106 D01 RF Exposure Wireless Charging App v03

The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

2.2 DESCRIPTION OF SUPPORT UNITS

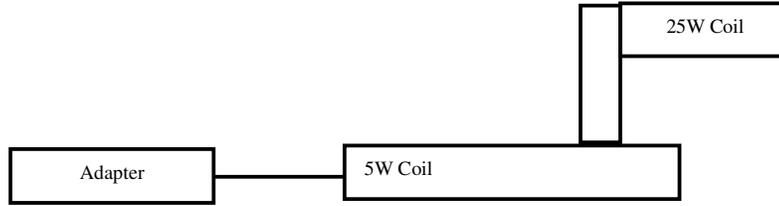
The EUT has been tested with associated equipment below:

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	25W RX Load	CPS	N/A	N/A	N/A	By client
B	iPhone 11 Pro	Apple	MWDD2CH/A	F17ZMCAMN6YL	N/A	BV Lab.
C	AirPods Pro Case	Apple	A2190	GXDGFE8W1059	N/A	
D	iPhone 16 Pro(1#)	Apple	A3083 (MYM93LL/A)	HY9H79YM6Y	BCG-E8666A	

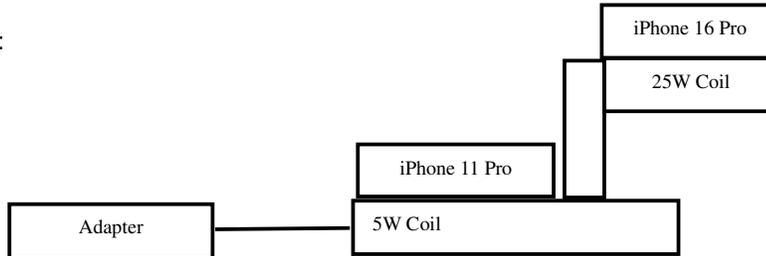
Description	Length (m)	Shielding (Y/N)	Remark
USB-C to USB-C cable	1.5	Y	Nen Oceans Precision Component (JiangXi) Co.,Ltd./ DB336/C-C/L=1.5m Black
USB-C to USB-C cable	1.5	Y	Nen Oceans Precision Component (JiangXi) Co.,Ltd./ DB337/C-C/L=1.5m White
USB-C to USB-C cable	1.5	Y	-

2.3 CONFIGURATION OF SYSTEM UNDER TEST

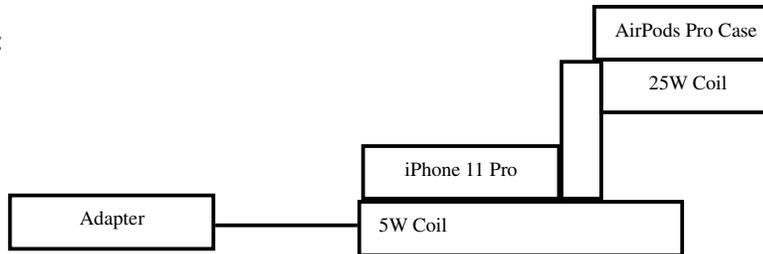
Mode A:



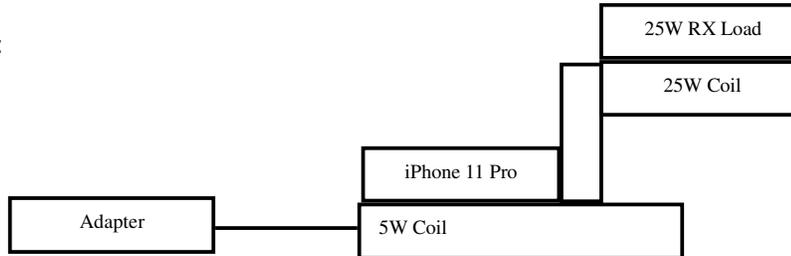
Mode B:



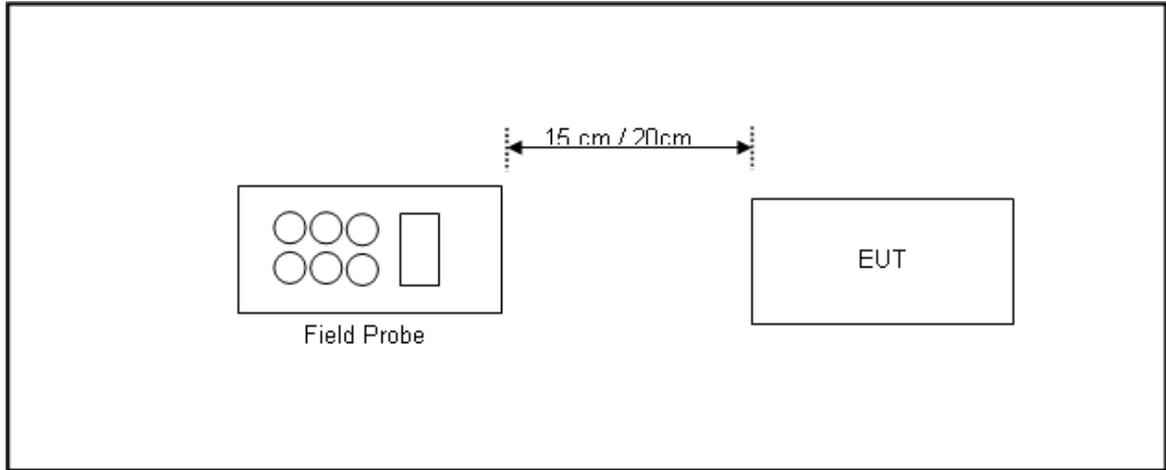
Mode C:



Mode D:



2.4 TEST SETUP FOR WPC



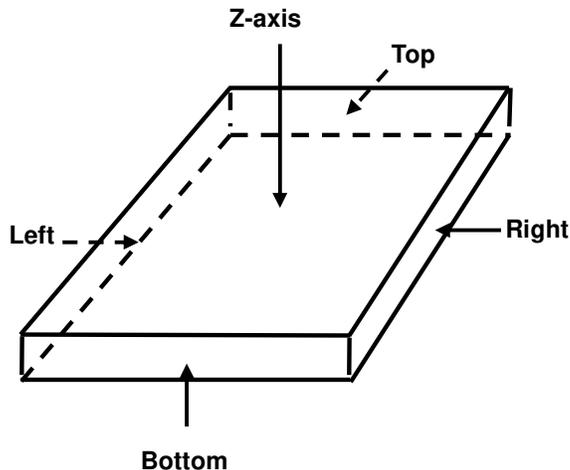
Note: Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device.

2.5 EQUIPMENTS USED DURING TEST

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
E-Field probe	Narda	NBM-520	2403/01B	Apr. 05, 26
Electric and Magnetic Field Probe-Analyzer	Narda	EHP-200A	180ZX10216	Feb. 19, 26
3m Fully Anechoic Chamber	Chance Most	8m*4m*4m	D3040011DG	May 27, 25
Test Software	Narda	EHP200-TS	V1.94	N/A

NOTE: 1. The test was performed in RS chamber.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.

2.6 TEST POINT DESCRIPTION





2.7 TEST RESULTS

Mode1: Standby for 25W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.1539	0.1639	0.1894	0.1639	0.1989
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.8461	-613.8361	-613.8106	-613.8361	-613.8011
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-306.8461	-306.8361	-306.8106	-306.8361	-306.8011

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0325	0.0332	0.0758	0.0595	0.4023
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.598	-1.597	-1.554	-1.571	-1.228
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.783	-0.782	-0.739	-0.756	-0.413

Mode1: Standby for 5W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.1881	0.2049	0.2125	0.1639	0.2280
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.8119	-613.7951	-613.7875	-613.8361	-613.772
50% Limit (V/m)	307	307	307	307	78
50% Margin (V/m)	-306.8119	-306.7951	-306.7875	-306.8361	-77.772

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0419	0.0328	0.0481	0.0295	0.1550
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.588	-1.597	-1.582	-1.601	-1.475
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.773	-0.782	-0.767	-0.786	-0.660



Mode2: EUT+25W Coil (iPhone 16 Pro 10% Battery Charging)+ 5W Coil (iPhone 11 Pro 10% Battery Charging) for 25W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.6225	0.7639	0.6118	0.5896	0.5451
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.3775	-613.2361	-613.3882	-613.4104	-613.4549
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-306.3775	-306.2361	-306.3882	-306.4104	-306.4549

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0274	0.0281	0.0578	0.0680	0.0332
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.603	-1.602	-1.572	-1.562	-1.597
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.788	-0.787	-0.757	-0.747	-0.782

Mode2: EUT+25W Coil (iPhone 16 Pro 10% Battery Charging)+ 5W Coil (iPhone 11 Pro 10% Battery Charging) for 5W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.0740	0.8995	0.5766	0.7230	0.5468
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.926	-613.1005	-613.4234	-613.277	-613.4532
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.926	-306.1005	-306.4234	-306.277	-306.4532

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.1351	0.0873	0.1450	0.1720	0.0759
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.495	-1.543	-1.485	-1.458	-1.554
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.680	-0.728	-0.670	-0.643	-0.739



Mode3:EUT+25W Coil (iPhone 16 Pro 90% Battery Charging)+ 5W Coil (iPhone 11 Pro 90% Battery Charging) For 25W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.8375	1.1052	0.6086	0.6711	0.5335
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.1625	-612.8948	-613.3914	-613.3289	-613.4665
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-306.1625	-305.8948	-306.3914	-306.3289	-306.4665

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0400	0.0375	0.1086	0.0847	0.0473
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.590	-1.593	-1.521	-1.545	-1.583
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.775	-0.778	-0.706	-0.730	-0.768

Mode3: EUT+25W Coil (iPhone 16 Pro 90% Battery Charging)+ 5W Coil (iPhone 11 Pro 90% Battery Charging) For 5W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	1.0740	1.1050	0.6699	0.7339	0.5227
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-612.926	-612.895	-613.3301	-613.2661	-613.4773
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-305.926	-305.895	-306.3301	-306.2661	-306.4773

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.1365	0.1263	0.1912	0.2204	0.0849
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.494	-1.504	-1.439	-1.410	-1.545
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.679	-0.689	-0.624	-0.595	-0.730



Mode4: EUT+25W Coil(AirPods Pro Case 10% Battery Charging)+ 5W Coil (iPhone11 Pro Case 10% Battery Charging) For 25W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.1148	0.1539	0.1624	0.1639	0.1809
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.8852	-613.8461	-613.8376	-613.8361	-613.8191
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-306.8852	-306.8461	-306.8376	-306.8361	-306.8191

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0355	0.0405	0.0639	0.0820	0.0591
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.595	-1.590	-1.566	-1.548	-1.571
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.780	-0.775	-0.751	-0.733	-0.756

Mode5: EUT+25W Coil (AirPods Pro Case 90% Battery Charging)+ 5W Coil (iPhone11 Pro Case 90% Battery Charging) For 25W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.1406	0.1719	0.1539	0.1539	0.1639
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.8594	-613.8281	-613.8461	-613.8461	-613.8361
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-306.8594	-306.8281	-306.8461	-306.8461	-306.8361

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0383	0.0435	0.0697	0.0320	0.0590
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.592	-1.587	-1.560	-1.598	-1.571
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.777	-0.772	-0.745	-0.783	-0.756



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Mode6: EUT+25W Coil (25W RX Load)+ 5W Coil (iPhone11 Pro Case 10% Battery Charging) For 25W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.7325	0.7148	0.8424	0.9944	0.9598
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.2675	-613.2852	-613.1576	-613.0056	-613.0402
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-306.2675	-306.2852	-306.1576	-306.0056	-306.0402

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0822	0.0724	0.1684	0.1598	0.1770
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.548	-1.558	-1.462	-1.470	-1.453
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.733	-0.743	-0.647	-0.655	-0.638



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3. PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

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