



Test Report No.: FM2503WDG0238



RF EXPOSURE TEST REPORT

Applicant	Targus International LLC
Address	1211 North Miller Street Anaheim, CA 92806 USA

Manufacturer or Supplier	Targus International LLC
Address	1211 North Miller Street Anaheim, CA 92806 USA
Product	Dock with Wireless Charger
Brand Name	Hyper
Model	HD8100
Additional Model & Model Difference	N/A
Date of tests	Mar. 27, 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: May 13, 2025

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2503WDG0238	Original release	May 13, 2025



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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

FCC ID	OXM000158
PRODUCT	Dock with Wireless Charger
MODEL NO.	HD8100
ADDITIONAL MODEL	N/A
POWER SUPPLY	Powered Form Host Unit
MODULATION TECHNOLOGY	FSK
OPERATING FREQUENCY RANGE	112-146KHz
ANTENNA TYPE	Coil Antenna
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	See note 4

NOTES:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 2503WDG0238) for detailed product photo.
4. Product cable information as follows:

ID	Descriptions	Qty.	Length (m)	Shielding (Y/N)	Cores (Qty.)	Remark
1	USB-C LINE	1	0.35	Y	0	The Cable is fixed on the EUT and Non-detachable



5. EUT rating:

Input Rating:

Type-C Female (From PD):5V/3A, 9V/3A, 15V/3A, 20V/5A

Type-C Male (From host):5V/3A

Output Rating:

USB-A:5V/1.5A, Each Type-C: 5V/1.5A

USB-C Male: 5V/0.1A, 9V/0.22A, 15V/1.33A, 20V/3.75A (Wireless Charging is used)

5V/0.1A, 9V/1.33A, 15V/2A, 20V/4.25A (Wireless Charging is not used)

Wireless charging:5W

(BUS Power or PD Power without host connected)

Wireless charging:5W/7.5W/10W

(PD power with host connected)

USB-A + 2 USB-C + Wireless charging total: 12W Max

(BUS power or PD power without host connected)

USB-A + 2 USB-C + Wireless charging total: 18W Max

(PD power with host connected)



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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Galaxy S25+ (1#)	Samsung	SM-S936U/DS	R5CXC30YGFH	A3LSMS936U
2	16' Macbook Pro 2023	Apple	A2780	VHP6XDM06X	N/A
3	Adapter	Apple	A2166	N/A	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A

NOTE: All power cords of the above support units are non-shielded (1.8m).



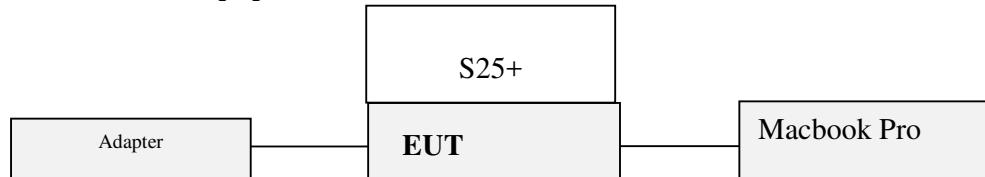
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2.3 CONFIGURATION OF SYSTEM UNDER TEST

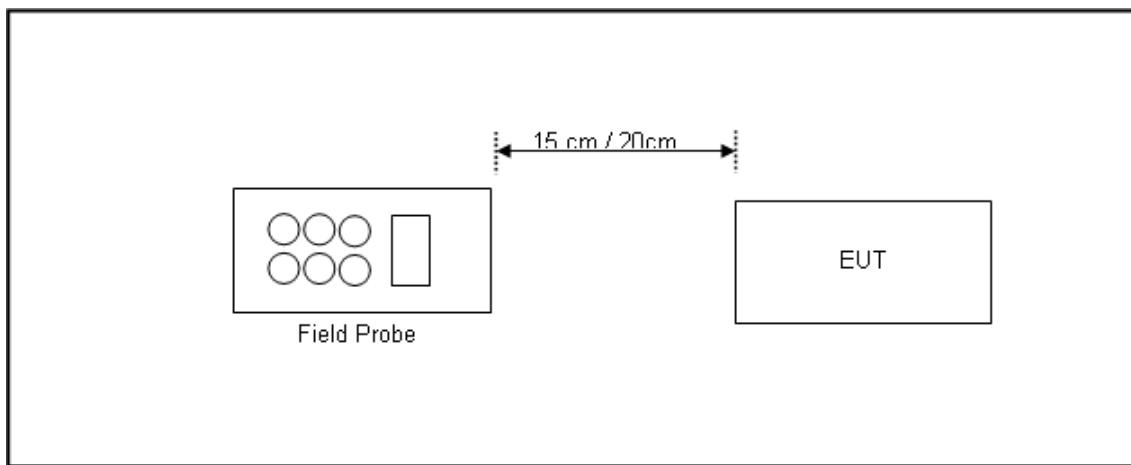
Mode A: Standby



Mode B: EUT Charging Mode with iPhone 16 Pro



2.4 TEST SETUP FOR WPC



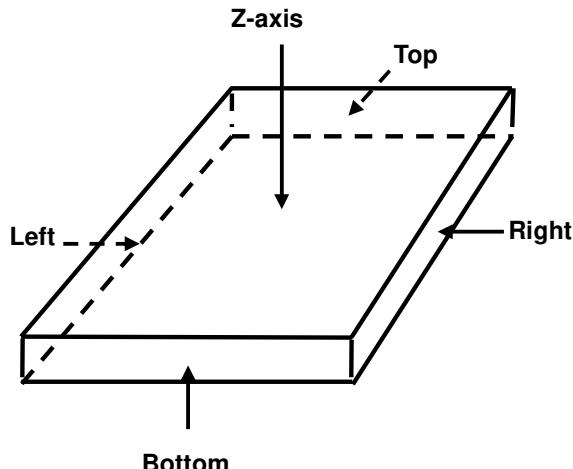
Note: Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device.

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

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.1406	0.1539	0.1639	0.1539	0.2323
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.8594	-613.8461	-613.8361	-613.8461	-613.7677
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-306.8594	-306.8461	-306.8361	-306.8461	-306.7677

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0219	0.0344	0.0312	0.0339	0.1076
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.608	-1.596	-1.599	-1.596	-1.522
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.793	-0.781	-0.784	-0.781	-0.707

Mode2: EUT Charging with S25+ 10% Battery

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.2948	0.2693	0.2948	0.2400	0.3082
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.7052	-613.7307	-613.7052	-613.76	-613.6918
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-306.7052	-306.7307	-306.7052	-306.76	-306.6918

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0217	0.0200	0.0311	0.0230	0.0182
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.608	-1.610	-1.599	-1.607	-1.612
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.793	-0.795	-0.784	-0.792	-0.797



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Mode3: EUT charging with S25+ 90% Battery

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.2885	0.3062	0.3628	0.3977	0.3584
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.7115	-613.6938	-613.6372	-613.6023	-613.6416
50% Limit (V/m)	307	307	307	307	307
50% Margin (V/m)	-306.7115	-306.6938	-306.6372	-306.6023	-306.6416

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.0221	0.0221	0.0283	0.0311	0.0236
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.608	-1.608	-1.602	-1.599	-1.606
50% Limit (A/m)	0.815	0.815	0.815	0.815	0.815
50% Margin (A/m)	-0.793	-0.793	-0.787	-0.784	-0.791



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3. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

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