

RF EXPOSURE TEST REPORT

Applicant	Foxconn Interconnect Technology Limited Taiwan Branch
Address	No. 66-1, Jhongshan RD., Tucheng Dist., New Taipei City, 23680 Taiwan

Manufacturer or Supplier	AMAZON.COM SERVICES LLC
Address	410 TERRY AVE N. SEATTLE, WA 98109, USA
Product	2 in 1 Wireless Charging Station
Brand Name	amazon basics
Model	5CF1P20C
Additional Model & Model Difference	5CF1P20D, See section 1.1
Date of tests	Oct. 21, 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 V04

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: Dec. 11, 2025

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Test Report No.: FM2509WDG0343

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2509WDG0343	Original release	Dec. 11, 2025

1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

FCC ID	2ADB4-AM-5CF1P20
PRODUCT	2 in 1 Wireless Charging Station
MODEL NO.	5CF1P20C
ADDITIONAL MODEL	5CF1P20D
POWER SUPPLY	Input 5V/9V/12V/15V 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 note 5

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 for detailed product photo.

No.	Model No.	Color
2509WDG0343-3	5CF1P20D	White
2509WDG0343-2	5CF1P20C	Black

- Additional model 5CF1P20D identical with the test model 5CF1P20C except the appearance and model no. for trading purpose.
- Cable information as follows:

ID	Descriptions	Qty.	Length (m)	Shielding (YES/NO)	Cores (Qty.)	Remarks
1	USB-C to USB-C PVC cable	1	1.5	NO	0	N/A

Remark: The cable comes in two colors: black and white.

6. Adapter information as follows:

45W USB-C WALL CHARGER	
MODEL NO.:	CYPD45US
BRAND NAME:	amazon basics
INPUT:	100-240Vac, 50-60Hz 1.0A
OUTPUT:	5V-3A/ 9V-3A/ 12V-3A/ 15V-3A/ 20V-2.25A
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.



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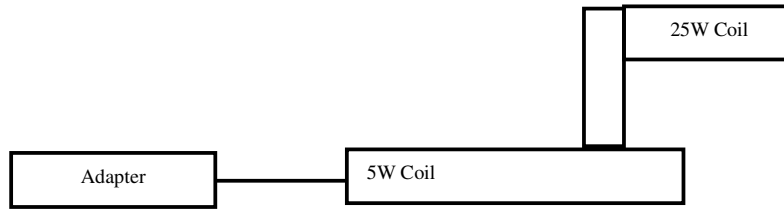
2.2 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below:

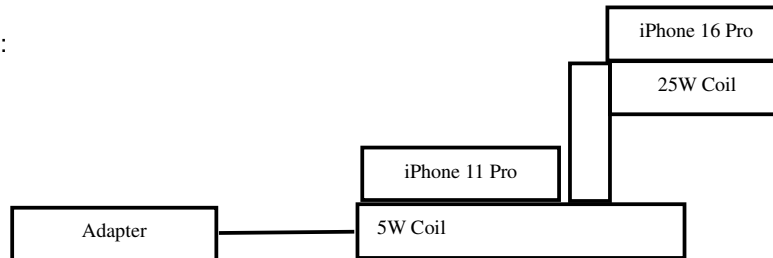
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	25W RX Load	CPS	N/A	N/A	N/A	By client
B	iPhone 11 Pro	Apple	MWDD2CH/A	F17ZMCAMN6YL	N/A	BV Lab.
C	AirPods Pro Case	Apple	A2190	GXDGFE8W1059	N/A	
D	iPhone 16 Pro(1#)	Apple	A3083 (MYM93LL/A)	HY9H79YM6Y	BCG-E8666A	

2.3 CONFIGURATION OF SYSTEM UNDER TEST

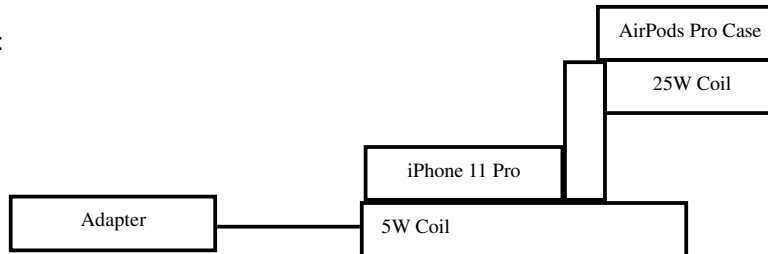
Mode A:



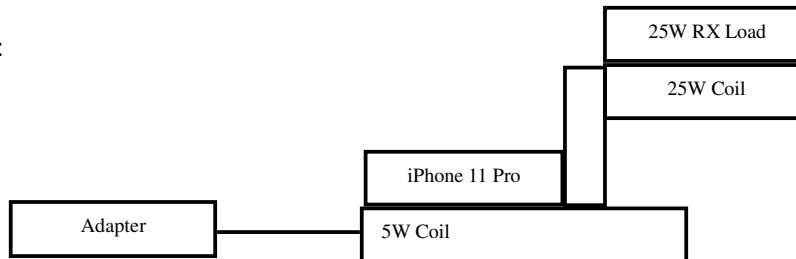
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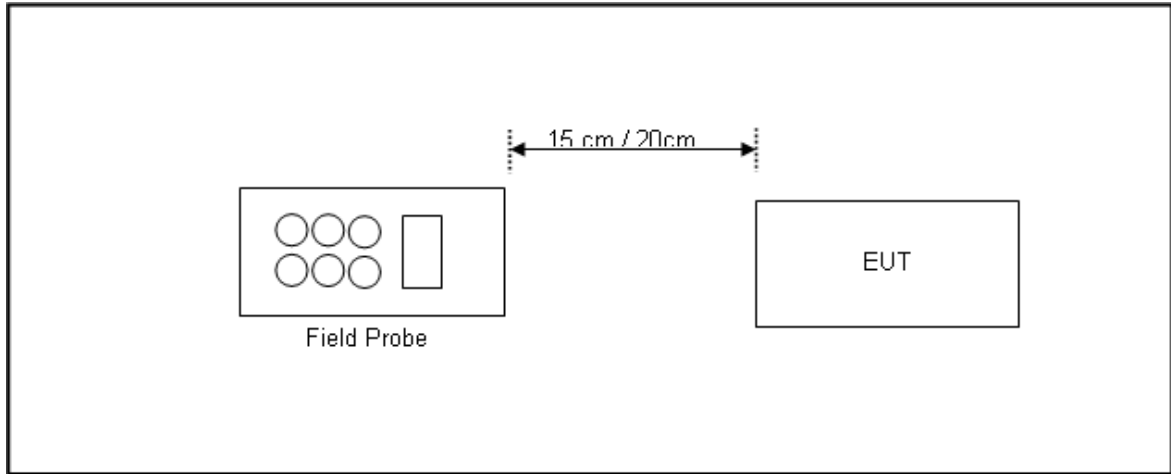
Mode C:



Mode D:



2.4 TEST SETUP FOR WPC



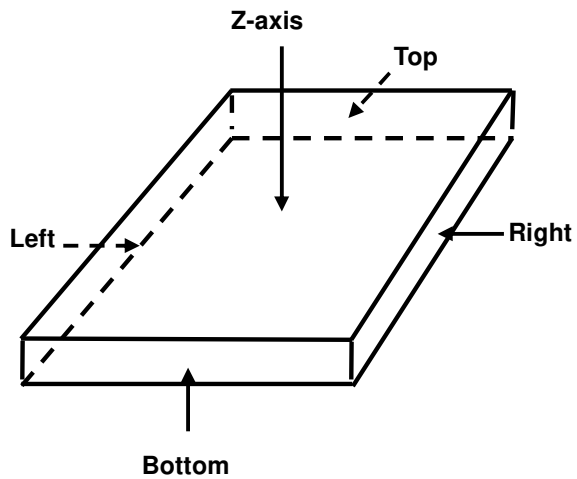
Note: Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm or 20 cm measured from the center of the probe(s) to the edge of the device.

2.5 EQUIPMENTS USED DURING TEST

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Probe	Schmid& Partner Engineering AG	MAGPy-8H3D+E3DV2	3122	Aug. 05, 26
Battery	Schmid& Partner Engineering AG	MAGPy-DASV2	3120	N/A
FPGA Board	Microsoft	Surface pro 7	WP000274	N/A
3mFully Anechoic Chamber	Chance Most	8m*4m*4m	D3040011DG	May 27, 26
Test Software	Schmid& Partner Engineering AG	MAGpy 2.8	V2.8.2	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)	0.4300	0.6700	0.5000	0.5400	0.6200
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.57	-613.33	-613.5	-613.46	-613.38

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.3300	0.3800	0.3200	0.2500	0.2900
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.300	-1.250	-1.310	-1.380	-1.340

Mode1: Standby for 5W Coil

E-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max E-field (V/m)	0.5000	0.4400	0.4200	0.4600	0.5200
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.5	-613.56	-613.58	-613.54	-613.48

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.2300	0.2800	0.2600	0.3200	0.4200
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.400	-1.350	-1.370	-1.310	-1.210

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)	0.3500	0.5300	0.8800	0.6700	0.6100
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.65	-613.47	-613.12	-613.33	-613.39

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.1800	0.2700	0.2900	0.3400	0.2300
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.450	-1.360	-1.340	-1.290	-1.400

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)	0.9500	0.6200	0.3100	0.5200	0.4900
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-613.05	-613.38	-613.69	-613.48	-613.51

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.1200	0.4900	0.4700	0.2700	0.4200
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.510	-1.140	-1.160	-1.360	-1.210

Mode3: 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

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

Mode4: 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)	2.1700	1.2600	1.1000	0.8400	0.9200
Limit (V/m)	614	614	614	614	614
Margin (V/m)	-611.83	-612.74	-612.9	-613.16	-613.08

H-Field Measurement					
Distance	15cm				20cm
EUT Side	Left	Right	Top	Bottom	Z-axis
Max H-field (A/m)	0.5500	0.3700	0.5800	0.7000	0.7600
Limit (A/m)	1.63	1.63	1.63	1.63	1.63
Margin (A/m)	-1.080	-1.260	-1.050	-0.930	-0.870



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3. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

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