

CYGNETT PTY LTD

TEST REPORT

SCOPE OF WORK

SAR Assessment– CY3450PPWIR

REPORT NUMBER

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PAGES

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DOCUMENT CONTROL NUMBER

RF Exposure

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Test Report

Applicant : CYGNETT PTY LTD
Level 1, 858 Lorimer Street, Port Melbourne VIC 3207
Australia

Sample Description

Product : ExoCharge Wireless Desk
Model No. : CY3450PPWIR
Brand Name : Cygnett
Electrical Rating : Micro Input:5V 2.0A, 9V 2.0A(18W Max); Wireless Output: 5W/7.5W/10W (10W Max)

Date Received : 25 August 2021
Date Test Conducted : 15 August 2021 to 09 September 2021

Test Requested : Test for compliance with CFR 47 part 1
Test Method : Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(c) and (d), 1.1310

Test Result : Pass
Conclusion : When determining of test conclusion, measurement uncertainty of tests have been considered.

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Date: 18 September 2021

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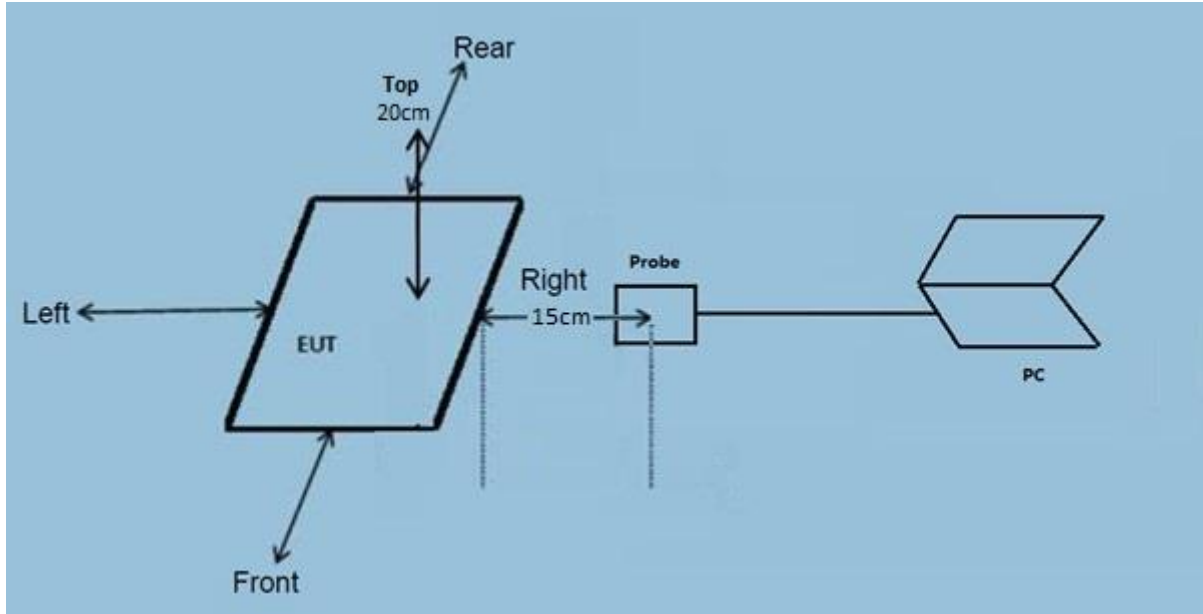
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Test Report

Test Setup Configuration



Note

- The RF exposure test is performed in the shield room.
- The test distance is at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils.

Test Equipment List

Name of instrument	Model	Manufacturer	Cal. Date	Due Date
Electric and Magnetic Field Analyzer	EHP-50F	Narda	2021-07-20	2022-07-20

Support Equipment List and Description

Description	Manufacturer	Detail
Wireless charging load	YBZ	N/A
Adaptor	XIAOMI	Model: MDY-09-EW Input: 100-240V~50/60Hz, 0.35A Output: 5V, 2A
USB Cable	CYGNETT	Shielded, Length: 98.5cm

Reference Limit:

Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(c) and (d), 1.1310

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency Range (MHz)	Electric Field strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	(100) *	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3 – 1.34	614	1.63	(100) *	30

Note: * = Plane wave equivalent power density

Model: CY3450PPWIR

Test Result:

H-Field Strength at 15 cm surrounding the EUT and 20cm away from the surface from the coil of the EUT

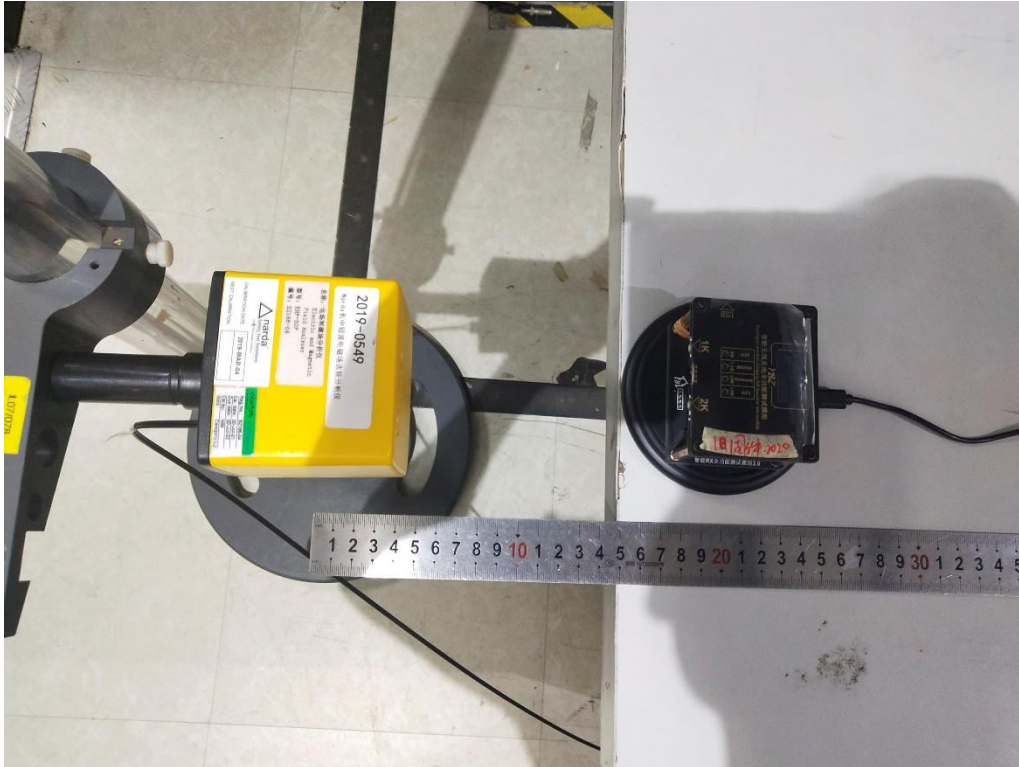
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.112-0.149	1% Battery Level	0.1530	0.1530	0.1543	0.1530	0.1542	1.63
0.112-0.149	50% Battery Level	0.1525	0.1525	0.1542	0.1526	0.1536	1.63
0.112-0.149	99% Battery Level	0.1528	0.1526	0.1541	0.1521	0.1533	1.63
0.112-0.149	Stand-by	0.1524	0.1521	0.1538	0.1522	0.1531	1.63

E-Field Strength at 15 cm surrounding the EUT and 20cm away from the surface from the coil of the EUT

Frequency Range (MHz)	EUT Operation mode	Probe Position Front (V/m)	Probe Position Rear (V/m)	Probe Position Left (V/m)	Probe Position Right (V/m)	Probe Position Top (V/m)	Limits (V/m)
0.112-0.149	1% Battery Level	1.2000	1.1439	1.1309	1.2739	1.2719	614
0.112-0.149	50% Battery Level	1.1988	1.1426	1.1301	1.2731	1.2712	614
0.112-0.149	99% Battery Level	1.1976	1.1422	1.1303	1.2729	1.2715	614
0.112-0.149	Stand-by	1.1996	1.1420	1.1302	1.2728	1.2710	614

Configuration photo of the test:

H-Field & E-Field Strength test photos



Front



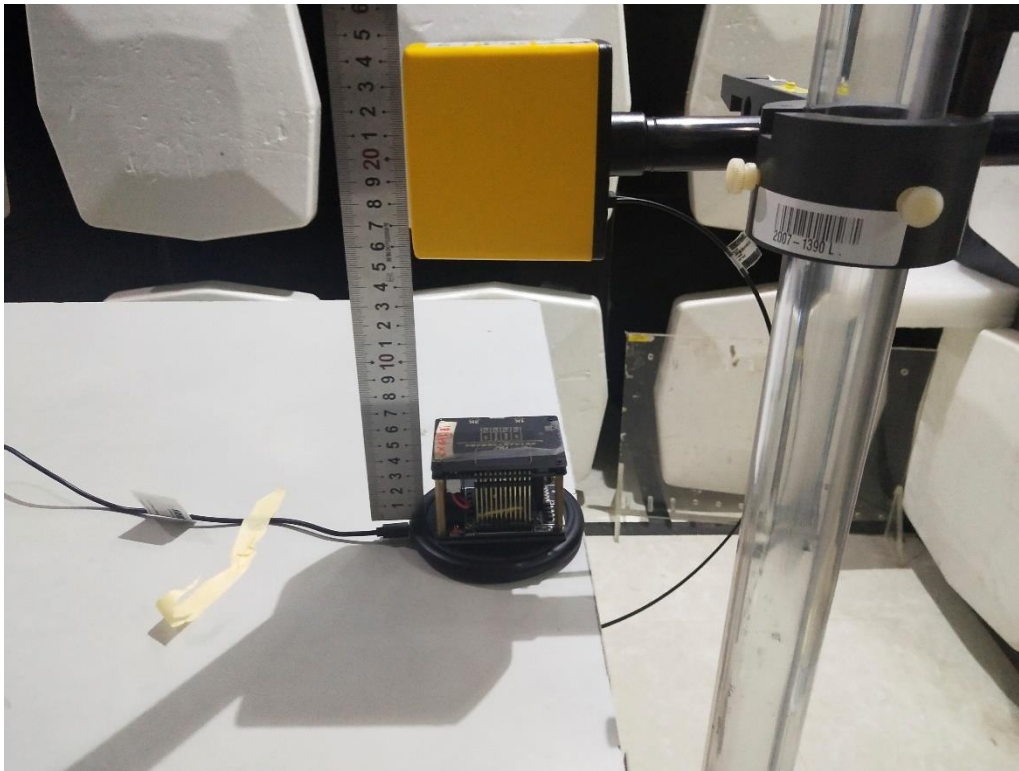
Rear



Left



Right



Top

***** End of Report*****