

Cygnett Pty Ltd

TEST REPORT

SCOPE OF WORK

SAR Assessment– CY3435WIRDE, CY3436WIRDE, CY3437WIRDE, CY3438WIRDE

REPORT NUMBER

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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 : PrimePro 15W Wireless Charger
Model No. : CY3435WIRDE, CY3436WIRDE, CY3437WIRDE, CY3438WIRDE

Brand Name : Cygnett
Electrical Rating : Input: 5V/3A, 9V/2A, 12V/1.67A (20W Max),
Wireless Output: 5W/7.5W/10W/15W (15W Max)

Adaptor : Input: 100-240~ 50/60Hz, 0.6A
Output: 5.0V/3.0A (15.0W), 9.0V/2.0A (18.0W),
12.0V/1.67A (20.0W Max)

Date Received : 13 November 2020
Date Test Conducted : 13 November 2020 to 11 December 2020

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: 16 December 2020

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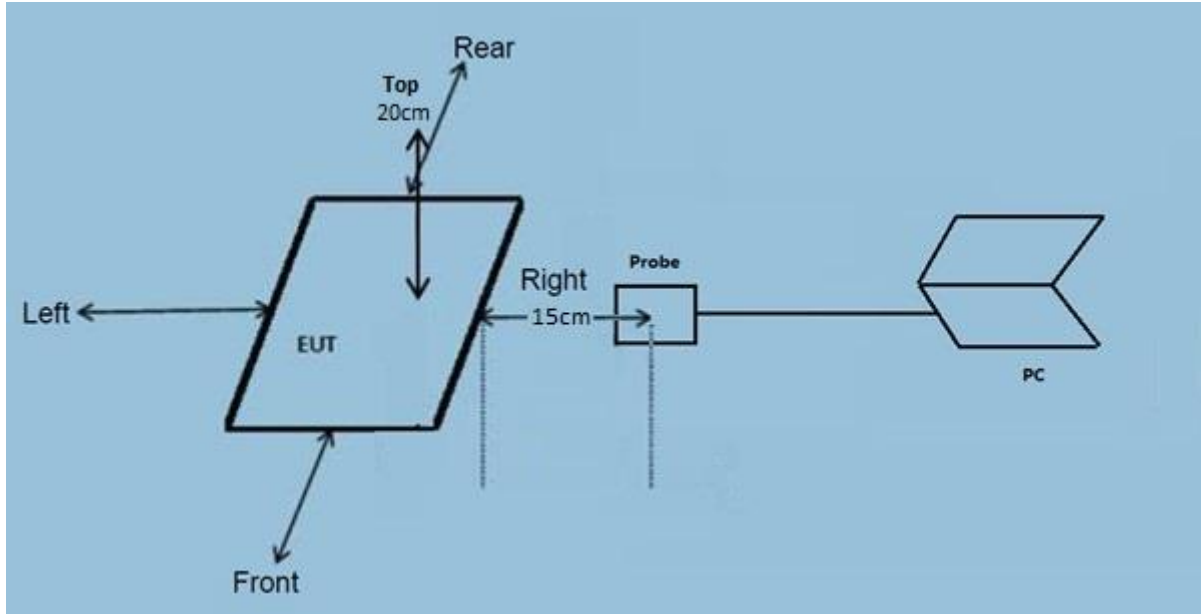
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Test Report

Test Setup Configuration



Note

- The RF exposure test is performed in the shield room.
- The test distance is between the edge of the charger and the geometric centre of probe.
- The Model: CY3436WIRDE, CY3437WIRDE, CY3438WIRDE is the same as the Model: CY3435WIRDE in hardware aspect. The difference in model number serves as marketing strategy.

Test Equipment List

Name of instrument	Model	Manufacturer	Cal. Date	Due Date
Electric and Magnetic Field Analyzer	EHP-50F	Narda	2020-07-28	2021-07-28

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

Test Result:

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

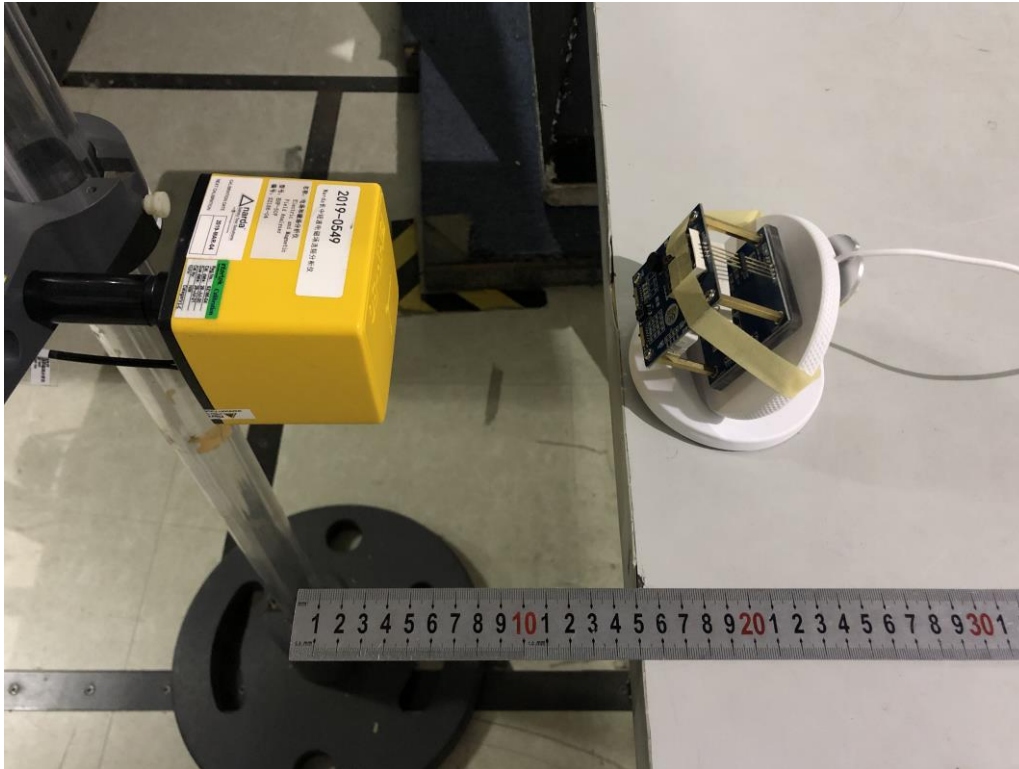
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.110-0.205	1% Battery Level	0.1902	0.1764	0.0472	0.0475	0.0478	1.63
0.110-0.205	50% Battery Level	0.2724	0.3093	0.0873	0.0814	0.0673	1.63
0.110-0.205	99% Battery Level	0.6337	0.4497	0.1656	0.1176	0.1267	1.63
0.110-0.205	Stand-by	0.0433	0.0442	0.0448	0.0436	0.0433	1.63

E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface 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)
0.110-0.205	1% Battery Level	0.9479	0.4519	0.5308	0.6596	0.5447	614
0.110-0.205	50% Battery Level	0.8715	0.4977	0.5561	0.7821	0.7061	614
0.110-0.205	99% Battery Level	1.3445	0.6225	0.7446	1.0891	0.7668	614
0.110-0.205	Stand-by	0.5254	0.5306	0.5254	0.5254	0.5248	614

Configuration photo of the test:

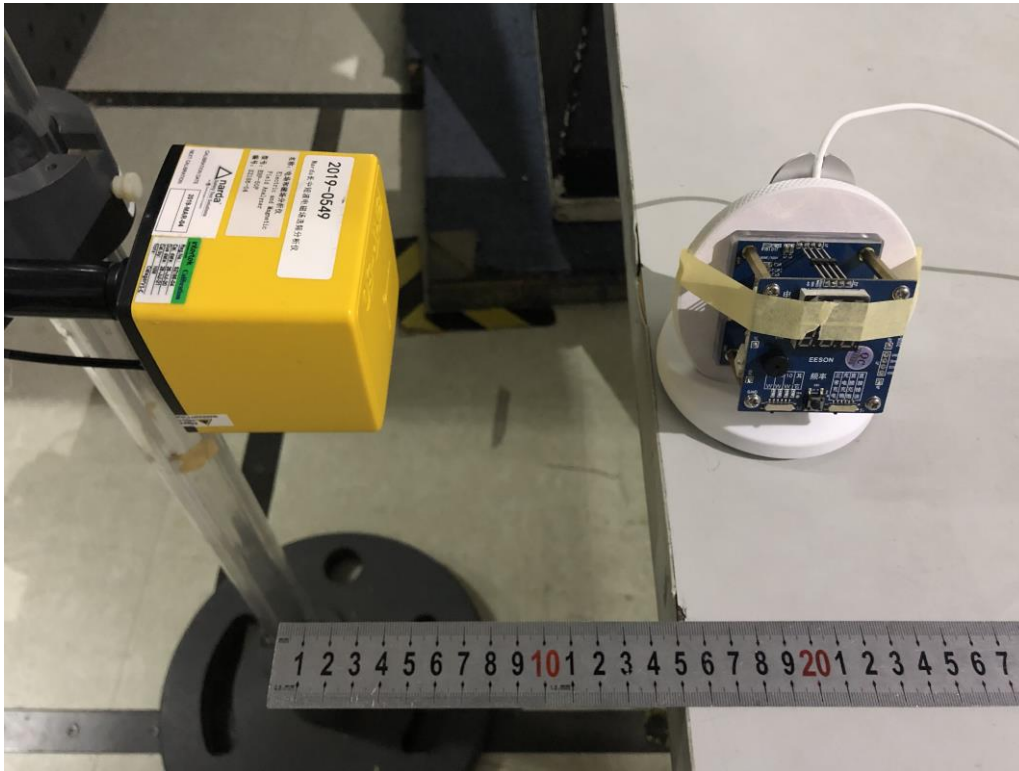
H-Field & E-Field Strength test photos



Front



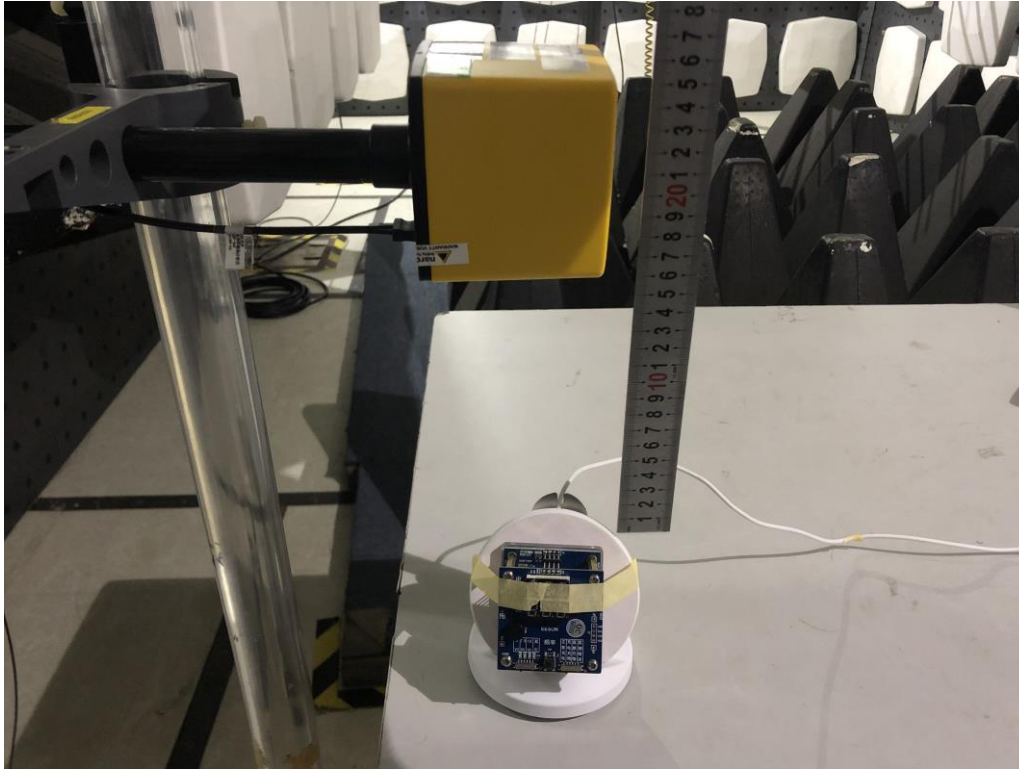
Rear



Left



Right



Top

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