

CYGNETT PTY LTD

TEST REPORT

SCOPE OF WORK

SAR Assessment– CY3936CYMCC

REPORT NUMBER

211011031SZN-002

ISSUE DATE

27 October 2021

[REVISED DATE]

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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 : ExoMag Cable 10W
Model No. : CY3936CYMCC
Brand Name : Cygnett
Electrical Rating : Input:5.0V-2.0A(10.0W),9.0V-2.0A(18.0W Max), Wireless
Output:5.0W/7.5W/10.0W Max, Total Output:10.0W
Max

Date Received : 10 October 2021
Date Test Conducted : 10 October 2021 to 22 Octoebr 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, KDB
680106 D01

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

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Date: 27 October 2021

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Intertek Testing Services Shenzhen Ltd. Longhua Branch

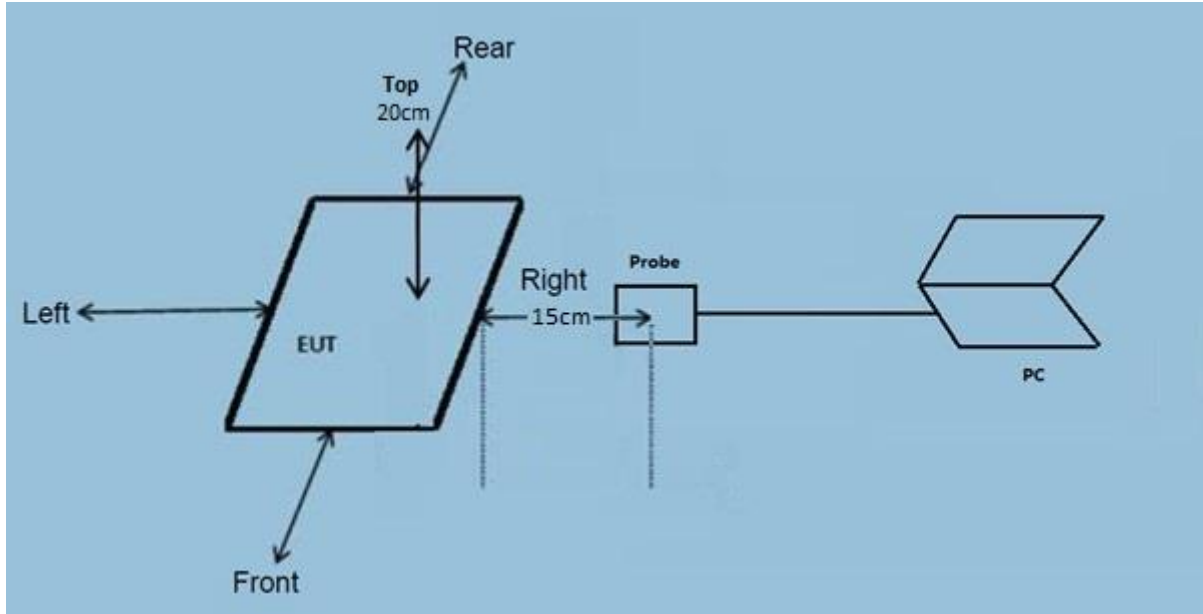
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Test Report

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

Test Mode

Pertest mode	Description
Mode 1	Standby mode
Mode 2	Mobile phone is charging at 1% battery power
Mode 3	Mobile phone is charging at 50% battery power
Mode 4	Mobile phone is charging at 99% battery power

The EUT was powered by an adapter with 120V/60Hz input during the test. The test system was pre-scanning tested based on the consideration of following EUT operation mode. Only the worst-case data was shown in this report.

Support Equipment List and Description

This product was tested in the following configuration:

Description	Manufacturer	Detail
mobile phone (Provided by Intertek)	Samsung	S7
Adaptor (Provided by Intertek)	XIAOMI	Model: MDY-09-EW Input: 100-240V~50/60Hz, 0.35A Output: 5V, 2A

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: CY3936CYMCC

Test Result:

Worst Case Operating Mode: Mode 2

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)
0.112-0.205	1% Battery Level	0.0747	0.0739	0.0683	0.0488	0.0329	1.63
0.112-0.205	50% Battery Level	0.0729	0.0719	0.0645	0.0465	0.0398	1.63
0.112-0.205	99% Battery Level	0.0710	0.0708	0.0617	0.0418	0.0328	1.63
0.112-0.205	Stand-by	0.0702	0.0698	0.0601	0.4028	0.0298	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)
0.112-0.205	1% Battery Level	0.7003	0.7260	0.6381	0.7711	0.4715	614
0.112-0.205	50% Battery Level	0.6839	0.7281	0.6288	0.7653	0.4323	614
0.112-0.205	99% Battery Level	0.6982	0.7398	0.6189	0.7392	0.4732	614
0.112-0.205	Stand-by	0.6382	0.7018	0.6032	0.7102	0.4218	614

Configuration photo of the test:

H-Field & E-Field Strength test photos



Front



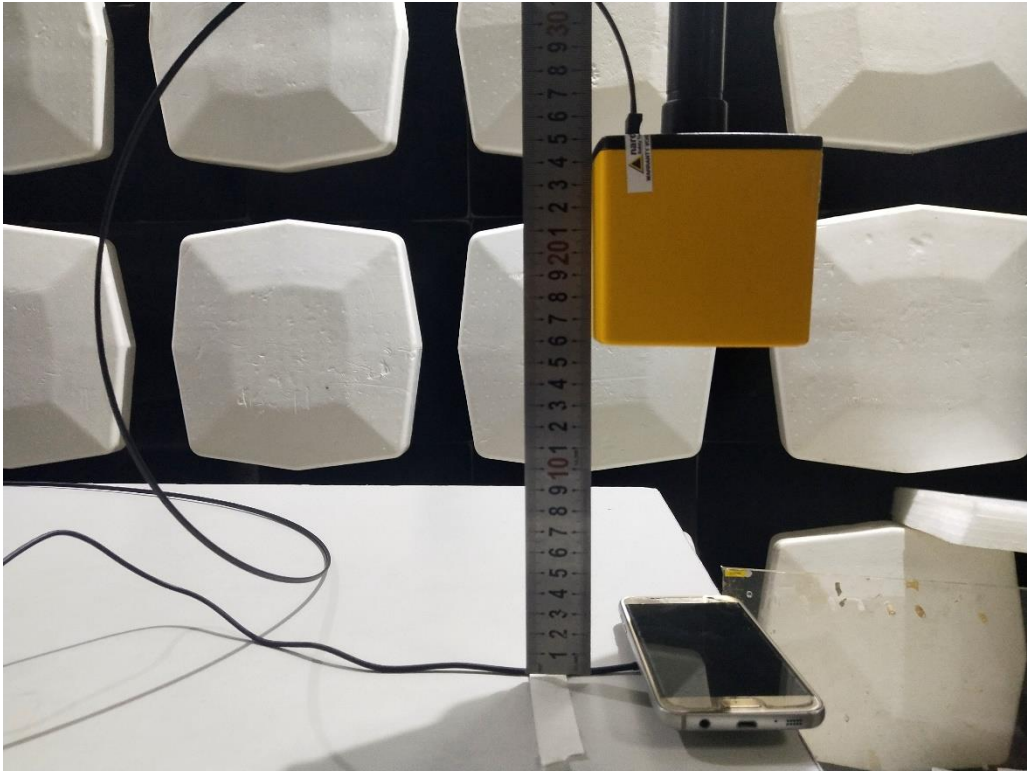
Rear



Left



Right



Top

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