

TXS Industrial Design Inc. d.b.a
Brandstand Products

TEST REPORT

SCOPE OF WORK

SAR ASSESSMENT-BPEDT

REPORT NUMBER

180914003SZN-002

ISSUE DATE

9 OCTOBER 2018

[REVISED DATE]

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PAGES

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DOCUMENT CONTROL NUMBER

RF Exposure

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Test Report

Applicant: TXS Industrial Design Inc. d.b.a Brandstand
Products

Number: 180914003SZN-002

Date: 9 October 2018

Sample Description

Product : Cubiedot
Model No. : BPEDT

Brand Name : BRANDSTAND
Electrical Rating : AC 100-240V, 50/60Hz,0.5A; Max Output: DC 5V/1A or DC 9V/1.1A

Date Received : 14 September 2018

Date Test Conducted : 14 September 2018 to 8 October 2018

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: 9 October 2018

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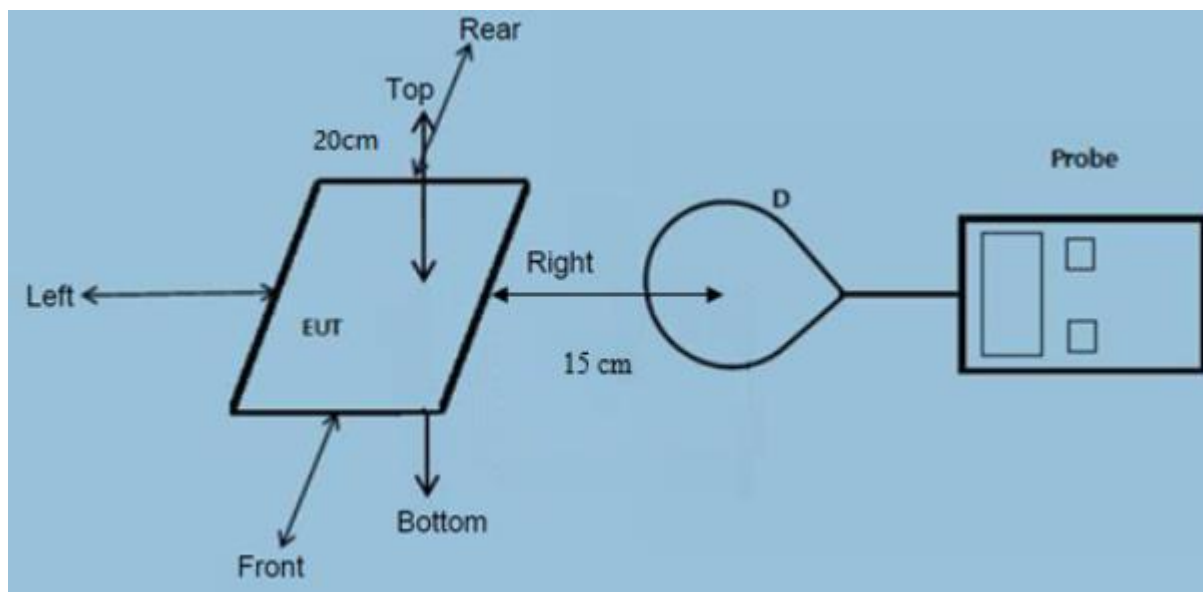
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Test Report

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.

Test Equipment List

Name of instrument	Model	Manufacturer	Cal. Date	Due Date
Exposure Level Tester	ELT-4002304/03	Narda	21-Mar-18	21-Mar-19
Field Probe	HI-6105	ETS	21-Mar-18	21-Mar-19
Laser Data Interface	HI-6113	ETS	21-Mar-18	21-Mar-19

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	0.066	0.081	0.054	0.058	0.079	1.63
0.110-0.205	50% battery level	0.065	0.081	0.052	0.057	0.077	1.63
0.110-0.205	99% battery level	0.060	0.077	0.048	0.053	0.075	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	0.099	0.103	0.085	0.091	0.118	614
0.110-0.205	50% battery level	0.092	0.097	0.079	0.085	0.107	614
0.110-0.205	99% battery level	0.088	0.095	0.073	0.086	0.101	614

TEST REPORT

Configuration photo of the test:

For electronic filing, the RF exposure configuration photographs are saved with filename: RF exposure photos.pdf.

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