

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**

4

**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.

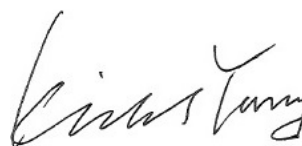
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**Approved By:**



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**Date: 9 October 2018**

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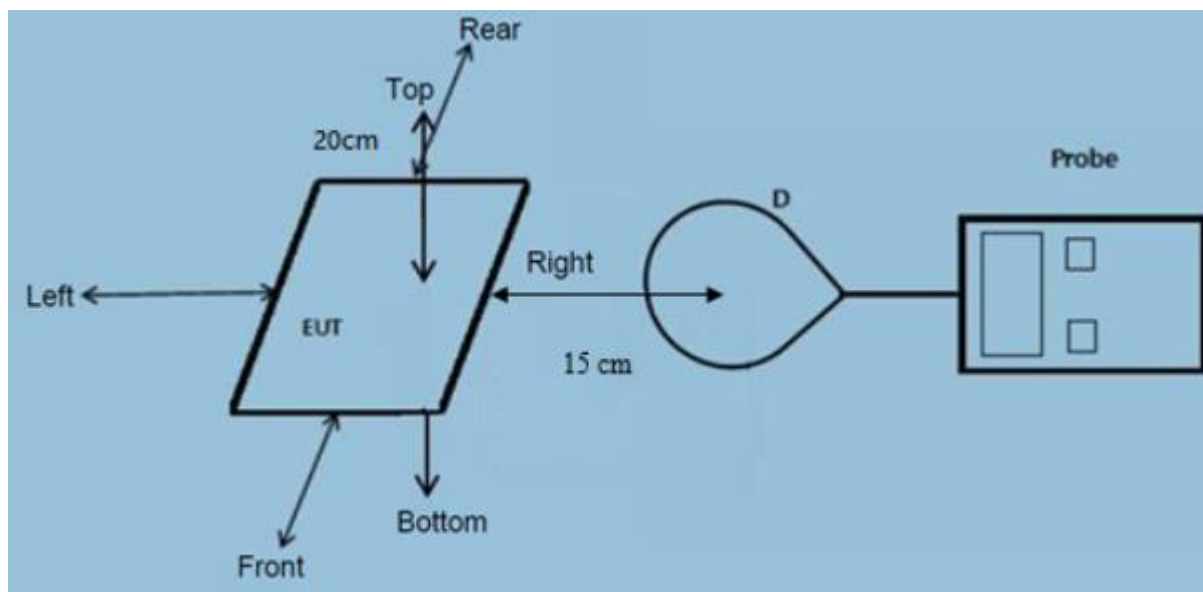
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## Test Report

### 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 <sup>2</sup> ) | 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\*\*\*\*\*