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

TEST REPORT

SCOPE OF WORK
SAR Assessment– BPEPT

REPORT NUMBER
190820017SZN-002

ISSUE DATE **[REVISED DATE]**
24 September 2019 [----------]

PAGES
4

DOCUMENT CONTROL NUMBER
RF Exposure

101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing
Community, GuanHu Subdistrict, LongHua District, ShenZhen.
Tel: (86 755) 8601 6288
Fax: (86 755) 8601 6751
www.intertek.com

Test Report

Applicant	:	TXS Industrial Design Inc. d.b.a Brandstand Products 801 E Campbell Rd. #620, Richardson, TX 75081
Sample Description		
Product	:	CubiePoint
Model No.	:	BPEPT
Brand Name	:	BRANDSTAND
Electrical Rating	:	Input: AC 100-240V, 50/60Hz, 0.8A Max Wireless Output: DC9V, 1.1A Wireless Output: DC5V, 1.0A USB-Total Output: DC 5V, 2.4A
Date Received	:	20 August 2019
Date Test Conducted	:	20 August 2019 to 14 September 2019
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.

********** End of Page **********

Prepared and Checked By:

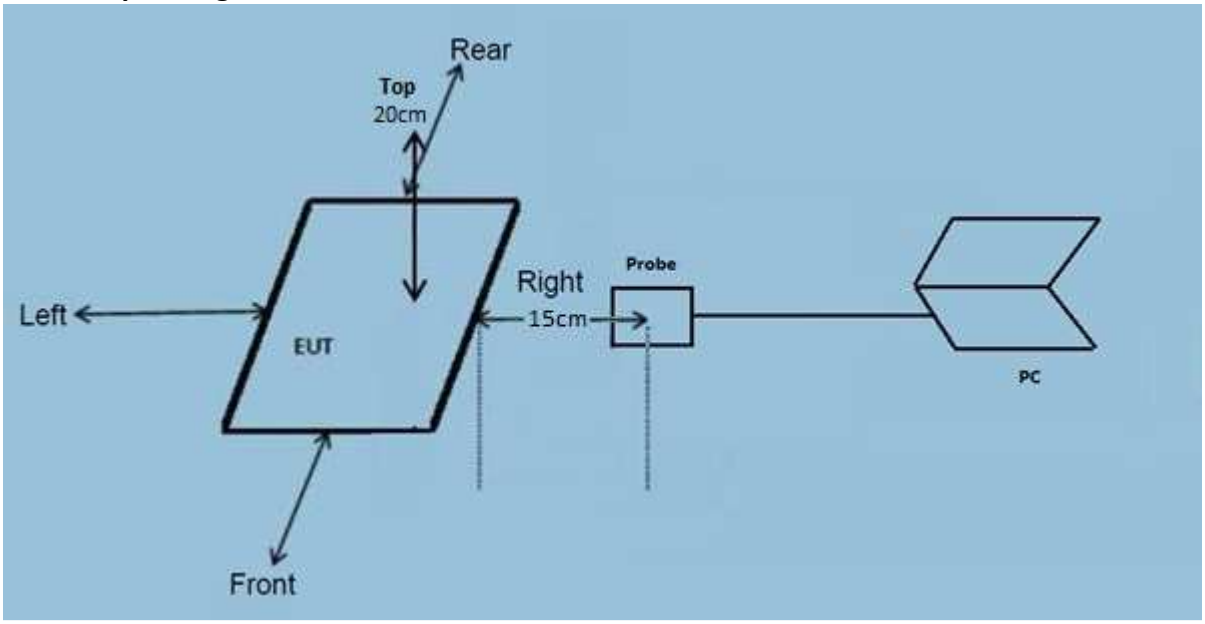
Rode Liu
Engineer

Approved By:

Kidd Yang
Technical Supervisor
Date: 24 September 2019

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	EHP-50F	Narda	01-Apr-2019	01-Apr-2020

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)
0.110-0.1485	1% Battery Level	0.0245	0.0775	0.0679	0.0624	0.0345	1.63
0.110-0.1485	50% Battery Level	0.0233	0.0782	0.0697	0.0628	0.0369	1.63
0.110-0.1485	99% Battery Level	0.0238	0.0772	0.0684	0.0651	0.0364	1.63
0.110-0.1485	Stand-by	0.0035	0.0033	0.036	0.034	0.035	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)
0.110-0.1485	1% Battery Level	0.4728	0.3458	0.5541	0.3626	0.2138	614
0.110-0.1485	50% Battery Level	0.4851	0.3459	0.5414	0.3621	0.2047	614
0.110-0.1485	99% Battery Level	0.4871	0.3441	0.5388	0.3650	0.2062	614
0.110-0.1485	Stand-by	0.0351	0.0335	0.0581	0.0333	0.0316	614

Configuration photo of the test:

For electronic filing, H-Field & E-Field Strength configuration photographs are saved with filename: H-Field & E-Field Strength test setup photos.pdf.

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