

TEST REPORT

Product Name : Keilton LED controller

Brand Mark : Keilton

Model No. : WP1013S

FCC ID : 2A26YWP1013S

Report Number : BLA-EMC-202211-A8203

Date of Sample Receipt : 2022/11/30

Date of Test : 2022/12/4 to 2022/12/14

Date of Issue : 2022/12/15

Product Name : Keilton LED controller

47 CFR Part 15, Part1.1307

Test Standard: 47 CFR Part 15, Part2.1093

KDB447498 D01 General RF Exposure Guidance v06

Test Result : Pass

Prepared for:

Shenzhen LiteTrace Technologies Co., Ltd F5, Bld 1, Hongtu Industry Park, Hezhou, Hangcheng, Baoan District, Shenzhen China

Prepared by:

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Review by:

Compiled by:

Approved by: 12 (we 7)heng

Date: 2022/12/15





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REPORT REVISE RECORD

Version No.	Date	Description
00	2022/12/15	Original



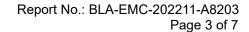




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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
RF Exposure	47 CFR Part 1.1307, Part 2.1093, KDB 447498	CFR 47 Part 2.1093	CFR 47 Part 2.1093	PASS





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2 GENERAL INFORMATION

Applicant	Shenzhen LiteTrace Technologies Co., Ltd		
Address	F5, Bld 1, Hongtu Industry Park, Hezhou, Hangcheng, Baoan District, Shenzhen China		
Manufacturer	Shenzhen LiteTrace Technologies Co., Ltd		
Address	305 Suite C, 3151 Shahe West Street Jianxing Technology Plaza Nanshan, Shenzhen, China		
Factory	N/A		
Address	N/A		
Product Name	Keilton LED controller		
Test Model No.	WP1013S		

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	1.0
Software Version	1.0
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Data Rata	1Mbps; 2Mbps
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	PCB Antenna
Antenna Gain:	2dBi(Provided by the customer)



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4 LABORATORY LOCATION

All tests were performed at:

BlueAsia of Technical Services(Shenzhen) Co., Ltd.

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No tests were sub-contracted.





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5 RF EXPOSURE COMPLIANCE REQUIREMENT

SAR evaluation

MPE Calculation Method

E (V/m) = (30*P*G) 0.5/d

Power Density: Pd (W/m2) = E2/377

E = Electric Field (V/m)

P = Peak RF output Power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

Pd = (30*P*G) / (377*d2)

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can

be obtained.

Directional AntennaGain (Numeric)	Peak Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
1.585mW(2dBi)	0.8959mW (-0.477dBm)	0.00028	1	Compiles

----END OF REPORT----

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.