



F2 Labs
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CERTIFICATION TEST REPORT

Manufacturing Address: Zhen Jiangqiang Ling Electronic Co. Ltd.
200 Xuefu Road
Zhen Jiang
Jiangsu 212016 CHINA

Applicant Address: Shanghai Qiangling Electronic Co., Ltd.
139 Wang Dong RD S,
SI Jing Song Jiang, Shanghai, 201601, CHINA

Product Name: TCP ColorSpree Limitless Color

Product Description: Bluetooth A19 Red Green Blue

Model: A19RGB001

FCC ID: NIRA19RGB001

Testing Commenced: November 30, 2015

Testing Ended: Dec. 3, 2015

Summary of Test Results: In Compliance

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Standards:

- KDB447498
- FCC Part 1.1310



Order Number: F2LQ7271B

Client: Technical Consumer Products, Inc.

Model: A19RGB001

Evaluation Conducted by:

Ken Littell, Director of EMC & Wireless Operations

Report Reviewed by:

Wendy Fuster, President

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Order Number: F2LQ7271B

Client: Technical Consumer Products, Inc.

Model: A19RGB001

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Measurement Procedure:

All measurements were performed according to KDB558074.

1.4 Document History

Document Number	Description	Issue Date	Approved By
F2LQ7271B-05E	First Issue	Apr. 20, 2016	W. Fuster



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2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498 FCC Part 1.1310	Complies

Modifications Made to the Equipment
None



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3 ENGINEERING STATEMENT

This report has been prepared on behalf of Shanghai Qiangling Electronic Co., Ltd., to provide documentation for the testing described herein. This equipment has been tested and found to comply with KDB447498 and FCC Part 1.1310. The test results found in this test report relate only to the item(s) tested.



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Model: A19RGB001

4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: TCP ColorSpree Limitless Color
Model: A19RGB001
Serial Nos.: 1262-18, 1262-19, 1262-20
FCC ID: NIRA19RGB001

4.2 Trade Name:

TCP

4.3 Power Supply:

120V, 60 Hz

4.4 Applicable Rules:

- KDB447498
- FCC Part 1.1310

4.5 Equipment Category:

Radio Transmitter-DTS

4.6 Antenna:

Internal Antenna

4.7 Accessories:

N/A

4.8 Test Item Condition:

The equipment to be tested was received in good condition.



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5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN

5.1 Requirements:

Limit: 1mW/cm²

Formula used for result:
$$\frac{\text{E.I.R.P.}}{4 \pi R^2}$$

Results: E.I.R.P. = 0.173mW

0.173mW at the 2402 MHz Low Channel
which is the highest.

$$\frac{0.173\text{mW}}{4 \pi R^2} = \frac{0.173\text{mW}}{5026.55} = 0.0000344\text{mW/cm}^2$$