F2 Labs
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United States of America
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MPE REPORT

Manufacturer:	**Spectrovation.com, LLC** **14313 Poplar Hill Road** **Darnestown, Maryland 20874 USA**
Applicant:	Same as Above
Product Name:	**SV R5**
Product Description:	**R5 Board for use in approved OEM equipment.**
Operating Voltage/Frequency:	**Battery-Operated (3.3V)**
Model:	**SV R5-N001**
FCC ID:	**O64R5N001**
Testing Commenced:	Aug. 31, 2017
Testing Ended:	Sept. 6, 2017
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**

Evaluation Conducted by:

Joe Knepper, EMC Proj. Eng.

Report Reviewed by:

Ken Littell, Director of EMC & Wireless Operations

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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
F2LQ9792B-02E	First Issue	Sept. 16, 2017	K. Littell

2 SUMMARY OF TEST RESULTS

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

Modifications Made to the Equipment
None

3 ENGINEERING STATEMENT

This report has been prepared on behalf of Spectrovation.com, LLC to provide documentation for the testing described herein. This equipment has been tested and found to comply with KDB447498. The test results found in this test report relate only to the item(s) tested.

4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: SV R5
Model: SVR5-N001
Serial No.: None Specified
FCC ID: O64R5N001

4.2 Trade Name:

Spectrovation.com, LLC

4.3 Power Supply:

Battery-Operated (3.3V)

4.4 Applicable Rules:

- KDB447498

4.5 Equipment Category:

Radio Transmitter-DTS

4.6 Antenna:

1.9 dBi Antenna

4.7 Accessories:

N/A

4.8 Test Item Condition:

The equipment to be tested was received in good condition.

5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN

5.1 Requirements:

Limit: 0.6mW/cm^2

Formula used for result:

$$\frac{\text{E.I.R.P.}}{4\,\pi\,R^2}$$

Results: E.I.R.P. = 82.6mW

82.6mW at the 913 MHz Mid Channel
which is the highest.

$$\frac{82.6\text{mW}}{4\,\pi\,R^2} = \frac{82.6\text{mW}}{5026.55} = 0.0164\text{mW/cm2}$$