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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**



Order Number: F2LQ9792B

Applicant: Spectrovation.com, LLC

Model: SV R5-N001

Evaluation Conducted by:

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Report Reviewed by:

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TABLE OF CONTENTS

Section	Title	Page
1	ADMINISTRATIVE INFORMATION	4
2	SUMMARY OF TEST RESULTS/MODIFICATIONS	5
3	ENGINEERING STATEMENT	6
4	EUT INFORMATION AND DATA	7
5	RF EXPOSURE FOR DEVICE >20cm FROM HUMAN	8



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/cm²

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

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

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

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