

RF Exposure Report

Project Number: 4763950**Proposal Number: SUW-202509008864****Report Number: SUW4763950EMC02****Revision Level: 0****Client: Maven Wireless****Equipment Under Test: 700 / 800 MHz Class A Signal Booster****Model Number: Strato****FCC ID: 2BE5B-RAM00019****Applicable Standards: 47 CFR §§ 2.1091 (Mobile)****FCC KDB 447498 D01 General RF Exposure Guidance v06****FCC OET Bulletin 65****Report issued on: 29 December 2025****Result: Compliant**

FOR THE SCOPE OF ACCREDITATION UNDER 17025 CERTIFICATE NUMBER: 3212.01

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1 General Information

1.1 Client Information

Name: Maven Wireless
Address: 222 N Pacific Coast Hwy, Floor 10 Suite 144
City, State, Zip, Country: El Segundo, CA 90245

1.2 Test Laboratory

Name: SGS North America, Inc.
Address: 620 Old Peachtree Road NW, Suite 100
City, State, Zip, Country: Suwanee, GA 30024, USA

Accrediting Body: A2LA
Type of lab: Testing Laboratory
Certificate Number: 3212.01

1.3 General Information of EUT

Type of Product: Class A Digital Channel Selective Signal Booster
Model Number: Strato
Serial Number: 01A5L
Frequency Ranges: (DL) 799-805 MHz; (UL) 806-816 MHz
(DL) 769-775 MHz; (UL) 851-861 MHz
Antenna Gain: The EUT did not include antenna(s)
Max Conducted Output Power: (DL) 30 dBm: 1 watt; (UL) 40 dBm: 10 watts

1.4 Operating Modes and Conditions

Maximum power levels were utilized for all calculations. Simultaneous transmissions are not applicable for this product. The separation distance from the downlink antenna and/or radiating structure is ≥ 20 cm. The separation distance from the uplink antenna and/or radiating structure is ≥ 70 cm. A signal generator was connected to the input port under test and the RF output port was connected to the spectrum analyzer. Both uplink and downlink paths were evaluated.

Test modes		
Link type	Band	Test frequencies (MHz)
Downlink	769-775 MHz	769.64375
		772.00000
		774.10625
Uplink	799-805 MHz	799.64375
		802.00000
		804.10625
Uplink	806 – 816 MHz	807.0125
		811.0000
		815.0125
Downlink	851 – 861 MHz	852.0125
		856.0000
		860.0125

2 RF Exposure

2.1 Test Results

Test Description	Product Specific Standard	Test Result
RF Exposure	FCC Part 1.1310	Compliant

2.2 Test Method

The formula below calculates power density.

$$S = \frac{PG}{4\pi R^2} \quad \text{Or} \quad S = \frac{EIRP}{4\pi R^2}$$

Where;

S = Power density (mW/cm²)

P = Maximum sourced based average power delivered to antenna port (mW)

G = Maximum power gain of the antenna in the direction of interest relative to an isotropic radiator (dBi)

R = Distance between by-stander and antenna (cm)

EIRP = Equivalent (or effective) isotropically radiated power

2.3 Single transmission RF Exposure Levels (mW/cm²)

Band of Operation		Conducted Power w/tolerance dBm	Antenna Gain	Cable Loss	Average EIRP		Distance (R) cm	Power Density EIRP _{Avg} /(4πR ²) mW/cm ²	FCC mW/cm ²	% of Limit	Verdict
Type	MHz				dBm	mW					
Downlink 700MHz	769-775	30.0	0.0	0.0	30.0	1000	20	0.199	0.51	39%	Pass
Downlink 800MHz	799-805	30.0	0.0	0.0	30.0	1000	20	0.199	0.53	37%	Pass
Uplink 700MHz	806-816	40.0	0.0	0.0	40.0	10000	70	0.162	0.54	30%	Pass
Uplink 800MHz	851-861	40.0	0.0	0.0	40.0	10000	70	0.162	0.57	29%	Pass

3 Revision History

Revision Level	Description of changes	Revision Date
0	Initial Release	29 December 2025