



## **Certification Exhibit**

**FCC ID: XF6-RS9113DB**

**FCC Rule Part: 15.247**

**Project Number: 72148773**

Manufacturer: Redpine Signals, Inc.  
Model: RS9113DB

## **RF Exposure**

**General Information:**

Applicant: Redpine Signals  
Environment: General Population/Uncontrolled Exposure  
Exposure Conditions: Portable

**Technical Information:**

Minimum Test Separation Distance: 35 mm  
Highest Operating Frequency: 2462 MHz  
Antenna Type: Mushroom Dipole (Skywave 11-1069-A)  
Antenna Gain: 2.15dBi  
Maximum Transmitter Conducted Power: 17.85 dBm, 60.95 mW  
Maximum System EIRP: 20.0dBm, 100.0 mW

**Justification for SAR Test Exclusion:****Standalone SAR Test Exclusion:**

Per KDB 447498 D01 General RF Exposure Guidance v05r02, the standalone 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

$$= (60.95 / 35) * (\sqrt{2.462}) = 2.73$$

2.73 < 3

Standalone SAR test exclusion is applied.