



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 ≤ 50 mm are determined by:

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

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

$2.73 < 3$

Standalone SAR test exclusion is applied.