



## **Certification Exhibit**

**FCC ID: A7FEA095**

**FCC Rule Part: 47 CFR Part 2.1093**

**TÜV SÜD Project Number: 16-2086**

Manufacturer: JL MARINE SYSTEMS, INC.  
Model: PUMP-CM2-8-BLS

## **RF Exposure**

**General Information:**

Applicant: JL MARINE SYSTEMS, INC.  
Environment: General Population/Uncontrolled Exposure  
Exposure Conditions: Portable

**Technical Information:**

Minimum Test Separation Distance: 5 mm  
Highest Operating Frequency: 922.73 MHz  
Antenna Type: PCB Trace Antenna  
Antenna Gain: 0.8 dBi  
Maximum Transmitter Conducted Power: 12.13 dBm, 16.33 mW  
Maximum Transmitter EIRP: 12.93 dBm, 19.63 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:

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

$$= (16.33 / 5) * (\sqrt{0.92}) = 3.1$$

**3.1 < 7.5**

Standalone SAR test exclusion is applied.