



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 ≤ 50 mm are determined by:

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

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

$$3.1 < 7.5$$

Standalone SAR test exclusion is applied.