



Certification Exhibit

FCC ID: A7FEA071

FCC Rule Part: 47 CFR Part 2.1093

TÜV SÜD Project Number: 16-2088

**Manufacturer: JL Marine Systems, Inc.
Model: EA071**

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: 2.41 dBi
Maximum Transmitter Conducted Power: 12.31 dBm, 17.02 mW
Maximum System EIRP: 14.72 dBm, 29.65 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:

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

$$= (17.02 / 5) \cdot (\sqrt{0.923}) = 3.3$$

3.3 < 7.5

Standalone SAR test exclusion is applied.