



## **Certification Exhibit**

**FCC ID: A7FEA065**

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

**TÜV SÜD Project Number: 16-2089**

Manufacturer: JL Marine Systems, Inc.  
Model: EA065

## **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: -8.09 dBi  
Maximum Transmitter Conducted Power: 11.89 dBm, 15.5 mW  
Maximum System EIRP: 3.8 dBm, 2.4 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:

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

$$= (15.5 / 5) \cdot (\sqrt{0.923}) = 3.0$$

$$\mathbf{3.0 < 7.5}$$

Standalone SAR test exclusion is applied.