



America

Certification Exhibit

FCC ID: A7FEA070

FCC Rule Part: 47 CFR Part 2.1093

TÜV SÜD Project Number: 16-2087

Manufacturer: JL Marine Systems, Inc.
Model: EA070

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: -12.52 dBi
Maximum Transmitter Conducted Power: 12.01 dBm, 15.9 mW
Maximum System EIRP: -0.51 dBm, 0.89 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:

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

$$= (15.9 / 5) \cdot (\sqrt{0.923}) = 3.1$$

$$\mathbf{3.1 < 7.5}$$

Standalone SAR test exclusion is applied.