



America

Certification Exhibit

FCC ID: 2AM04-JBRF-1

FCC Rule Part: 47 CFR Part 2.1093

TÜV SÜD Project Number: 72128962

Manufacturer: Jigabot, LLC
Model: JBRF-1

RF Exposure

General Information:

Applicant:

Environment: General Population/Uncontrolled Exposure

Exposure Conditions: Portable

Technical Information:

Minimum Test Separation Distance: 3 mm

Highest Operating Frequency: 3993 MHz

Antenna Type: Ceramic Chip

Antenna Gain: 2.73 dBi

Maximum Transmitter Conducted Power: -1.52 dBm, 0.70 mW

Maximum Transmitter EIRP: 1.21 dBm, 1.32 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:

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

$$= (1.32 / 5) \cdot (\sqrt{3.993}) = 0.53$$

0.53 < 3.0

Note: Per KDB 447498 D01 a minimum separation distance of 5mm was used in the calculation.

Standalone SAR test exclusion is applied.