



## **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  $\leq$  50 mm are determined by:

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

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

**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.