



## **Certification Exhibit**

**FCC ID: HSW2832**

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

**Project Number: 72142513**

Manufacturer: Murata Electronics North America  
Model: MBN52832

## **RF Exposure**

**General Information:**

Applicant: Murata Electronics North America  
Device Category: Portable  
Environment: General Population/Uncontrolled Exposure

**Technical Information:**

Antenna Type: Printed Trace Antenna  
Antenna Gain: -2.5 dBi  
Maximum Transmitter Conducted Power: 3.35 dBm, 2.16 mW  
Maximum System EIRP: 0.85 dBm, 1.216 mW  
Exposure Conditions: Body Worn

**Justification for SAR Test Exclusion:****Standalone SAR Test Exclusion:**

Per KDB 447498 D01 General RF Exposure Guidance v06, 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:

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

$$= (1.216 / 5) \cdot (\sqrt{2.480}) = 0.383$$

$$\mathbf{0.383 < 3.0}$$

Standalone SAR test exclusion is applied.