



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 ≤ 50 mm are determined by:

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

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

$$0.383 < 3.0$$

Standalone SAR test exclusion is applied.