

Certification Exhibit

**FCC ID: 2AE4LX805
IC: 20317-X805**

**FCC Rule Part: 15.247
IC Radio Standards Specification: RSS-247**

ACS Project Number: 15-2058

**Manufacturer: Sonavation Incorporated
Model: X805-0001**

RF Exposure

General Information:

Applicant: Sonavation Incorporated
ACS Project: 15-2058
Device Category: Portable/Mobile
Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Ceramic Chip Antenna
Antenna Gain: 0 dBi
Maximum Rated Output Power: 0 dBm, 1 mW
Maximum Transmitter Conducted Power: -1.274 dBm, 0.75 mW
Maximum System EIRP: -1.274 dBm, 0.75 mW

Justification for exemption from the SAR requirements

The Sonavation Incorporated model X805-0001 includes a Bluetooth Low Energy (BLE) transceiver which operates in the 2.4 GHz ISM band. The maximum rated output power is 0 dBm.

Exemption from the FCC SAR Test Requirements

Per the FCC KDB Publication 447498 D01 General RF Exposure Guidance V05r02 Section 4.3.1(1) the SAR Test Exclusion Threshold Condition can be calculated as described below:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot$$

$$[\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation

$$[(1/5)] \cdot [\sqrt{2.48}]$$

$$0.2 \cdot 1.574$$

$$0.3 < 3.0$$

Where,

Maximum Power = 1mW

Transmit Frequency = 2.48 GHz

Minimum Test Separation Distance = 5mm

Exemption from Industry Canada SAR Test Requirements

The EUT operates below the output power level specified in RSS-102 — Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands), Issue 5, Section 2.5.1 Exemption Limits for Routine Evaluation – SAR Evaluation for a distance separation of 5mm for frequencies below 3500 MHz. Therefore, the EUT meets the SAR evaluation exemption requirement per RSS-102.

Conclusion

This device meets the 1-g SAR and 10g-SAR FCC SAR test exclusion thresholds and the output power level eligible for exemption per RSS-102. The device is exempted from the SAR test requirements.