

Client	Interaxon Inc	
Product	MUSE, Model: MU-02	
Standard(s)	RSS 247 Issue 1/ FCC Part 15 Subpart C 15:2015	

RF Exposure

For maximum permissible exposure MPE, this device is designed to operate less than 20 cm from any personnel during normal operation. The device is categorized as a Portable device and MPE evaluation is not applicable.

SAR assessment is applicable to the EUT. The separation distance between radiating structure of the EUT and human body is < 5 mm. According to FCC KDB 447498 Section 4.1 5), an evaluation distance of 5 mm is applied.

As per FCC KDB 447498 Section 4.3.1 1) 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

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \sqrt{f_{(\text{GHz})}} \leq 3.0$$

Where: $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz

(max. power of channel, including tune-up tolerance, mW) = 5 mW

(min. test separation distance, mm) = 5 mm

$f = 2.480\text{GHz}$

$$[5 \text{ mW} / 5 \text{ mm}] * [2.480 \text{ GHz}] = 2.5 \leq 3.0$$

SAR Exclusion Threshold condition is met with peak conducted power.