



## **Exhibit: RF Exposure – FCC**

FCC ID: 2ABZI-MU03

Report File #: 7169004546R-000

Client	Interaxon Inc.	
Product	Muse MU-03	
Standard(s)	FCC Part 15 Subpart 15.247:2016 FCC KDB 447498:2015	

## RF Exposure – FCC

The device is intended for portable applications. The radiating structure is within 20cm from the body of the user. SAR evaluation is applicable.

### General SAR test exclusion guidance:

As per FCC KDB 447498 Section 4.3.1 a), the 1-g extremity SAR Test Exclusion Threshold for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm is determined by:

$$\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \left[ \sqrt{f_{\text{(GHz)}}} \right] \leq 3 \text{ for 1g SAR}$$

Where:

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

When the minimum *test separation distance* is  $< 5$  mm, a distance of 5 mm according to 4.1 f) is applied.

### SAR Calculations

The EUT transmits in the 2400 - 2483.5 MHz frequency range  
The EUT will be evaluated using a separation distance of  $< 5$  mm.

Max. power of channel = -0.06 dBm  $\approx 1$  mW

Separation distance = **5 mm**

$f_{\text{(GHz)}} = \mathbf{2.480 \text{ GHz}}$  (worst case frequency)

$$\left[ \frac{1}{5} \right] \left[ \sqrt{2.480} \right] = \mathbf{0.315 \approx 0.3 < 3}$$

Numeric threshold for 1g SAR is met. SAR test exclusion applies.