

2

ROLI  
2 Glebe Rd  
London  
E8 4BD  
+44 (0)207 254 2155  
www.rol.com

## RF Exposure Analysis

**FCC ID: 2AFT3SBR025**

### Analysis for FCC portable use

Standalone SAR test exclusion considerations are defined in KDB 447498 D01, Chapter 4.3.1 where the 1-g head or body and 10-g extremity SAR exclusion threshold is defined by the following formula:

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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

For the SBR025 the maximum conducted output power is +3.7dBm (2.3mW) at 2.4GHz

Applying the above data using the given KDB 447498 D01 formula, and minimum separation distance of 5mm, the following results:

$$(2.3\text{mW} / 5 \text{ mm}) \times \sqrt{2.4 \text{ GHz}} = 0.71$$

(i.e.:  $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR)

