



04/01/19

Subject: RF Exposure Info
Simbex, LLC
FCC ID: SUN-016C7000

The equipment to be certified, Insite Alert Monitor (FCC ID: SUN-016C7000), is a portable device with respect to RF exposure compliance, a separation distance less than 20 cm from all persons.

The following SAR test exclusion threshold formula, provided in Section 4.3.1 a) of FCC KDB Publication 447498 D01 v06, is used to determine if SAR test exclusion threshold is satisfied.

$$\left(\frac{P}{R}\right) \times \sqrt{f} \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR}$$

Equation 1

where:

P = Maximum Power in mW
R = Minimum Test Separation Distance in mm
f = Channel Frequency in GHz

With P = 7.26 dBm (5.321 mW), R = 5 mm, and f = 2.412 GHz,

$$\left(\frac{5.321 \text{ mW}}{5 \text{ mm}}\right) \times \sqrt{2.412 \text{ GHz}} = \mathbf{1.65} \leq 3.0 \text{ for 1-g SAR, and } \leq 7.5 \text{ for 10-g extremity SAR}$$

Equation 2

Based on the above calculation, SAR evaluation for general population exposure conditions, by measurement or by numerical simulation, is not required as the corresponding SAR Test Exclusion Threshold conditions are satisfied.

10 Water Street, Suite 410
Lebanon, NH 03766

T: 603.448.2367
F: 603.448.0380