RF Exposure Evaluation

Requirements:

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

This is a portable device.

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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation17
- The result is rounded to one decimal place for comparison

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]* [$\sqrt{}$f(GHz)]=
$(0.000186*1000/5)* (2.40181)^{0.5}=0.0372 * 1.55=0.0577 \leq 3.0$

So The SAR evaluation is not required.