



July 18, 2014

UL Japan, Inc.
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FCC ID: BKMAP006

To whom it may concern,

We, UL Japan, Inc., hereby declare that GPS Sports Monitor, model : SF-810 (FCC ID: BKMAP006) of SEIKO EPSON CORPORATION is exempt from RF exposure SAR evaluation as its output power meets the exclusion limits stated in FCC Part 2 §2.1093.

KDB 447498D01(v05r02) has the following exclusion for portable devices:

The 1g and 10g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$\left[\frac{\text{(measured maximum equivalent isotropic radiated power(mW))}}{\text{(Minimum separation distance(mm))}} \right] \cdot \sqrt{f \text{ (GHz)}} \leq 3.0 \text{ for 1g SAR and } \leq 7.5 \text{ for 10g extremity SAR where}$$

- 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

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

This device $f = 2.48$ GHz, distance = 5mm (minimum separation distance: 5 mm was used in the calculation) and the measured maximum equivalent isotropic radiated power was 1 mW

So for this device:

$1 \text{ mW} [\text{measured maximum equivalent isotropic radiated power}] / 5 \text{ mm} [\text{minimum separation distance}] \cdot (\sqrt{2.48}) = 0.3$

* calculation: measured maximum equivalent isotropic radiated power = $10^{\left(\left(\text{maximum peak output power [dBm]} + \text{antenna gain [dBi]} \right) / 10 \right)}$
 $= 10^{\left(\left(-2.48 \text{ [dBm]} + 1.5 \text{ [dBi]} \right) / 10 \right)}$

*This is less than 3.0, so no SAR is required.

Thank you for your attention to this matter.

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