



July 3, 2013

UL Japan, Inc.
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FCC ID: GT3FC019

To whom it may concern,

We, UL Japan, Inc., hereby declare that Remote control, model : NSG-MR9U (FCC ID: GT3FC019) of SMK Corporation is exempt from RF exposure SAR evaluation as its output power meets the exclusion limits stated in FCC Part 2 §2.1093 and FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65.

KDB 447498D01(V05) 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:

$[(\text{measured maximum equivalent isotropic radiated power(mW)})/(\text{Minimum separation distance(mm)})] \cdot \sqrt{f \text{ (GHz)}}$
 ≤ 3.0 for 1g SAR and ≤ 7.5 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 8.45 mW

So for this device:

$8.45 \text{ mW [measured maximum equivalent isotropic radiated power]} / 5 \text{ mm [minimum separation distance]} * (\sqrt{2.48}) = 2.66$

* calculation: measured maximum equivalent isotropic radiated power = $10^{((\text{maximum peak output power [dBm]} + \text{antenna gain [dBi]}) / 10)}$
 $= 10^{((7.57 \text{ [dBm]} + 1.7 \text{ [dBi]}) / 10)}$

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

Thank you for your attention to this matter.

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