SONY
Sony Global Manufacturing & Operations Corporation EMC/RF Test Laboratory, Main Lab.
Kisarazu Site 8-4 Shiomi Kisarazu-shi, Chiba, 292-0834 Japan

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FCC ID : AK8RMTNYSNO10
Applicant: Sony Corporation

SAR Evaluation Exemption

To whom it may concern,

We, Sony Global Manufacturing & Operations Corporation EMC/RF Test Laboratory, Main Lab., hereby declare that Remote commander, models: RMT-NYSNO10 (FCC ID: AK8RMTNYSNO10) of Sony Corporation are exempt from RF exposure SAR evaluation, as their output power meet the exclusion limits, stated in FCC Part 2 §2.1093.

According to KDB 447498 D01 (v06), section 4.3.1:

… These test exclusion conditions are based on source-based time-averaged (i.e. frame averaged) *maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.*

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

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g 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.

For above device,
f = 2.48 GHz, distance = 5mm (the min. separation distance is < 5 mm),
the max. possible duty cycle = 100% = 0.00 dB,
the max. possible burst averaged power incl. tune-up tolerance = -2.00 dBm, and
the max. possible frame averaged power incl. tune-up tolerance = -2.00 + (0.00) = -2.00 dBm ≈ 1 mW.
Therefore,

1 mW / 5 mm * (√ 2.48 GHz) = 0.3 < 3.0

and no SAR evaluation is required.

Thank you for your attention to this matter.

Sincerely,

T. Kurihara

Teruki Kurihara
Technical Manager
EMC/ RF Test Laboratory Main Lab.
Design Technology Division
Sony Global Manufacturing & Operations Corporation