



Sony Global Manufacturing & Operations Corporation EMC/RF Test Laboratory, Main Lab.  
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Date: February 4, 2025

FCC ID : AK8WW030588

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, model: WW030588 (FCC ID: AK8WW030588) of Sony Corporation is exempt from RF exposure SAR evaluation, as its output power meets 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  $\leq 50$  mm are determined by:*

*$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where*

- $f(\text{GHz})$  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  $\leq 50$  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 = 5 mm (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 = 9.10 dBm, and

the max. possible frame averaged power incl. tune-up tolerance =  $9.10 + (0.00) = 9.10$  dBm  $\approx 8$  mW.

Therefore,

$$8 \text{ mW} / 5 \text{ mm} * (\sqrt{2.48 \text{ GHz}}) = 2.5 < 3.0$$

and no SAR evaluation is required.

Thank you for your attention to this matter.

Sincerely,

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Koji Hayama  
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EMC/ RF Test Laboratory Main Lab.  
Design Technology Division  
Sony Global Manufacturing & Operations Corporation