

## 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 : AK8GP-VPT2BT 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 Shooting Grip With Wireless Remote Commander, models: GP-VPT2BT (FCC ID: AK8GP-VPT2BT) 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  $\leq$  50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] •  $[\sqrt{f(GHz)}] \le 3.0$  for 1-g SAR and  $\le 7.5$  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  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $\leq 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

For above device,

## Regarding Bluetooth Low Energy;

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 <u>burst averaged</u> power incl. tune-up tolerance = 4.00 dBm, and

the max. possible <u>frame averaged</u> power incl. tune-up tolerance = 4.00 + (0.00) = 4.00 dBm  $\approx 3$  mW. Therefore,

 $3 \text{ mW} / 5 \text{ mm} * (\sqrt{2.48 \text{ GHz}}) = 0.9 < 3.0$ 

and no SAR evaluation is required.



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Thank you for your attention to this matter.

Sincerely,

Teruki Kurihara

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