

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	HOVER-1 - ECLIPSE HOVERBOARD
Test Model	DSA-CLIP
Series Model	DSA-CLIP-21C, DSA-CLIP-BKGD-21C, DSA-CLIP-IRD-21C, DSA-CLIP-DKRD-21C, DSA-CLIP-CRB-21C, DSA-CLIP-XXX-21C, DSA-AH-CLIP-21C, DSA-AH-CLIP-BKGD-21C, DSA-AH-CLIP-IRD-21C, DSA-AH-CLIP-DKRD-21C, DSA-AH-CLIP-CRB-21C, DSA-AH-CLIP-XXX-21C, H1-CLIP-21C, H1-CLIP-BKGD-21C, H1-CLIP-IRD-21C, H1-CLIP-DKRD-21C, H1-CLIP-CRB-21C, H1-CLIP-XXX-21C
FCC ID	2AANZCLIPC

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06

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:

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

3. CALCULATION

BLE(MOUDLE 1):

$P_t = 0.109 \text{ dBm} = 1.03 \text{ mW}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $\text{SAR} = (1.03 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.48(\text{GHz})}] = 0.32 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BR/EDR(MOUDLE 2):

$P_t = 1.800 \text{ dBm} = 1.51 \text{ mW}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $\text{SAR} = (1.51 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.40(\text{GHz})}] = 0.47 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE(MOUDLE 2):

$P_t = 0.102 \text{ dBm} = 1.02 \text{ mW}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $\text{SAR} = (1.02 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.48(\text{GHz})}] = 0.32 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Note:

The MOUDLE 1 and MOUDLE 2 can transmit simultaneously:

$$0.32/3 + 0.47/3 = 0.26 < 1$$

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4. CONCLUSION

The SAR evaluation is not required.

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