RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	HOVER-1 –ALL STAR 2.0 HOVERBOARD
Model Name	DSA-STR2
Series Model	DSA-STR2-BLK, DSA-STR2-BLSH, DSA-STR2-XXX, DSA-AH-STR2-BLK, DSA-AH-STR2-BLSH, DSA-AH-STR2-XXX, DSA-AH-STR2, H1-STR2-BLK, H1-STR2-BLSH, H1-STR2-XXX, H1-STR2
FCC ID	2AANZSTR2

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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[$\sqrt{f(GHz)}$] ≤ 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

3. CALCULATION

BR&EDR:

P_t=2.618dBm=1.83mW

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 SAR=(1.83mW /5mm) .[$\sqrt{2.402GHz}$)]=0.57<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE GFSK 1Mbps:

P_t=0.073dBm=1.02mW

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 SAR=(1.02mW /5mm) .[$\sqrt{2.402GHz}$)]=0.31<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.