

## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	Nebulae Module V2	10° 10°
Model Name	PI0NL02000100	
FCC ID	2AO93PI0NL02000100	

### 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05

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)]  $\cdot [\sqrt{f(GHz)}] \le 3.0$  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

# 3. CALCULATION

According to the follow transmitter output power (  $P_t$  ) formula :  $P_t$ = (  $E \times d$  )  $^2$ / (  $30 \times g_t$  )  $P_t$ =transmitter output power in watts  $g_t$ =numeric gain of the transmitting antenna (unitess) E=electric field strength in V/m d=measurement distance in meters (m)

P<sub>t</sub>=7.589dBm=5.74mW

The result for RF exposure evaluation SAR=(5.74mW /5mm) .[√2.405(GHz)]= 1.78<3.0 for 1-g SAR

### 4. CONCLUSION

The SAR evaluation is not required.

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