

# TEST REPORT

**Product Name** : PowerLocus Moonfly ANC Headphone  
**Brand Mark** : PowerLocus  
**Model No.** : Moonfly  
**FCC ID** : 2AYL2-3  
**Report Number** : BLA-EMC-202102-A5103  
**Date of Sample Receipt** : 2021/2/25  
**Date of Test** : 2021/2/25 to 2021/3/9  
**Date of Issue** : 2021/3/9  
**Test Standard** : 47 CFR Part 1.1307, Part 2.1093, KDB  
447498  
**Test Result** : Pass

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**REPORT REVISE RECORD**

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00	2021/3/9	Original

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## 1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
RF Exposure	47 CFR Part 1.1307, Part 2.1093, KDB 447498	CFR 47 Part 2.1093	CFR 47 Part 2.1093	Pass

## 2 LIMITS

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<sup>17</sup>

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

## 3 EUT RF EXPOSURE EVALUATION

Operational Mode: BDR (GFSK worst case)						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power(dBm)	Maximum tune-up Power(mW)	Calculated value	Exclusion threshold
2402MHz	4.92	$\pm 1$	5.92	3.91	1.21	3
2441MHz	6.74	$\pm 1$	7.74	5.94	1.86	3
2480MHz	6.89	$\pm 1$	7.89	6.15	1.94	3
Conclusion: the calculated value $\leq 3.0$ , SAR is exempted.						

**----END OF REPORT----**

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