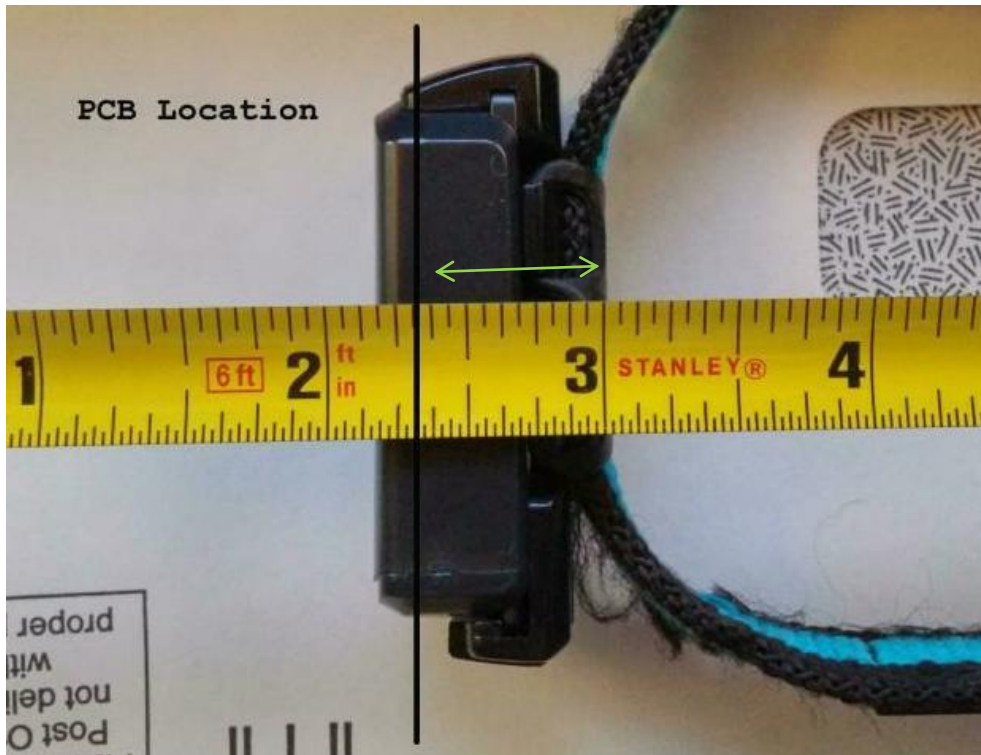


US Tech Test Report:  
FCC ID:  
IC:  
Test Report Number:  
Issue Date:  
Customer:  
Model:

FCC Part 15 Certification/ RSS 247  
2AIYR-AGL2  
21677-AGL2  
16-0105  
July 20, 2016  
Aglogica Holdings, Inc.  
AGL2

**Maximum Public Exposure to RF (MPE) and SAR Threshold**  
**CFR 2.1093**  
**RSS-102 section 2.5.1**

The EUT separation distance is determined to be >15mm, therefore the separation distance used in all MPE and SAR threshold evaluations will be 15 mm.



US Tech Test Report:  
FCC ID:  
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Highest Gain Antenna (2.4 GHz WiFi)= -6.16 dBi

Peak Power= (dBm)= 17.4 (highest measured output power level)

Gain of Transmit Antenna = -6.16 dBi

Distance = > 15 mm

time based average= Duty Cycle = 100%

Total source based time average= PWR dBm + ANT gain dBi \* time based average

$17.4 \text{ dBm} + -6.16 \text{ dBi} = 11.24 \text{ dBm} = 14.0 \text{ mW} * 1 = 14 \text{ mW}$

For 100 MHz to 6 GHz and test separation distances  $\leq 50 \text{ mm}$ , the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR, and  $\leq 7.5$  for 10-g extremity SAR, where:

f(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

Therefore:  $14 \text{ (mW)} / 15 \text{ (mm)} * (\sqrt{2.45 \text{ (GHz)}}) = 1.46$

Which is << less than 3.0 mW for FCC from per KDB 447498 D01 General RF Exposure Guidance v06

For IC the total source based time average = 14 mW (see above)

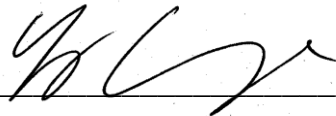
Which is << less than 14.9 mW for IC from Table 1 of RSS-102, section 2.5.1

All calculations performed by:

George Yang

Date: 7/20/2016

Signature: \_\_\_\_\_



Note validation of output power levels and antenna gain information please see the referenced test reports for this submittal.