## **RF** Exposure Requirements

Product Description: <u>AUGMENTED REALITY BLASTER</u>

Model No.: <u>AR-001</u> FCC ID: <u>2AN3ZAR-001</u>

According to the KDB 447498 D01 v06, 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:

 $[(max.\ power\ of\ channel,\ including\ tune-up\ tolerance,\ mW)/(min.\ test\ separation\ distance,$ 

mm)]  $\cdot [\sqrt{f(GHz)}] \le 3.0$  for 1-g SAR and  $\le 7.5$  for 10-g extremity SAR,16 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

## Bluetooth(BLE)

Conducted	Max. Power	Distance	Frequency	Result	Limit
Power (dBm)	(mW)	(mm)	(GHz)		
2.774	1.90	5	2.480	0.60	3

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\cdot [\sqrt{f(GHz)}]: 1.90/5*\sqrt{2.480}=0.60$ 

The exclusion thresholds is 0.60<3, therefore, the RF exposure evaluation is not required.