

# RF Exposure Evaluation Report

## 1 RF EXPOSURE

**Product Name** Bluetooth Speaker  
**Model No.** BT2107, BT2288  
**FCC ID** 2AYL8-BT2107

### 1.1 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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]^{1/2}$   
 $[\sqrt{f(\text{GHz})}] \leq 3.0$  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

## 1.2 EUT RF EXPOSURE EVALUATION

Operational Mode: EDR (8-DPSK worst case)						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power(dB m)	Maximum tune-up Power(mW )	Calculated value	Exclusion threshold
2402MHz	3.35	$\pm 1$	4.35	2.72	0.84	3
2441MHz	3.07	$\pm 1$	4.07	2.55	0.80	3
2480MHz	2.16	$\pm 1$	3.16	2.07	0.65	3

Conclusion: the calculated value  $\leq 3.0$ , SAR is exempted.