

# RF Exposure Evaluation Report

## 1 RF EXPOSURE

<b>Product Name</b>	TWS Bluetooth earphones
<b>Model No.</b>	In2016L
<b>FCC ID</b>	RDR-IN2016L

### 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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  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<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(dBm)	Maximum tune-up Power(mW)	Calculated value	Exclusion threshold
2402MHz	2.12	$\pm 1$	3.12	2.05	0.64	3
2441MHz	2.30	$\pm 1$	3.30	2.15	0.67	3
2480MHz	2.18	$\pm 1$	3.18	2.08	0.66	3
Conclusion: the calculated value $\leq 3.0$ , SAR is exempted.						