

## RF exposure evaluation

The RF exposure evaluation was calculated as below:

- 1) Manufacturer statement The maximum output power for antenna is 2.5dBm (Bluetooth)(1.78mW) at 2480MHz of GFSK mode.
- 2) For Bluetooth device or fixed location transmitters, no SAR consideration applied.
- 3) Per KDB 447498 D01v05r02, the 1-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, 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
  - When the minimum test separation distance is  $<$  2 mm, a distance of 2 mm according is applied to determine SAR test exclusion.
  - The result is rounded to one decimal place for comparison
  - Bluetooth:

Channel	Frequency (GHz)	Power (dBm)	Max. Power (mW)	Test distance (mm)	Result	exclusion thresholds for 1-g SAR
CH 78	2.480	2.5	1.78	2	1.4	3.0

- Base on the calculation value, SAR evaluation for Bluetooth is not required
- The public is not exposed to radio frequency energy level in excess of the Commission's guideline.