## RF Exposure evaluation

According to KDB 447498 D01 General RF Exposure Guidance v05 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)] •[ $\sqrt{}$ f(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  $\ensuremath{\text{GHz}}$ 

- Power and distance are rounded to the nearest mW and mm before calculation

 $\boldsymbol{\cdot}$  The result is rounded to one decimal place for comparison

Worse case is as below: Bluetooth: [2402 MHz -1.57dBm (0.7mW) output power]  $(0.7mW / 5mm) \cdot [\sqrt{2.402}(GHz)] = 0.22$ 

WiFi: [2462 MHz 13.47dBm (22.233mW) output power] (22.233mW /5mm) • [√2.462(GHz)]= 6.977

So, 0.22+6.977=7.197 < 7.5 for 10-g SAR Then SAR evaluation is not required Remark: the Bluetooth and WIFI can transmit at the same time.