## SAR test exclusion

According to KDB 447498 D01 General RF Exposure Guidance v05, section 4.3.1

At 100 Mb to 6 Gb and for test separation distances  $\leq$  50 mm, the SAR test exclusion threshold is determined according to the following;

a) [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]  $x [\sqrt{f(GHz)}] \le 3.0$ 

## 1. SAR test exclusion threshold

Frequency: 2402 Mb (min. separation distances = 5 mm)

SAR test exclusion thresholds(5 mm) =  $[(2.51 / 5) * \sqrt{2.402}] = 0.784 < 3.0$ .

Mode	Frequency (MHz)	Tune up output Power (dBm)	Measured max output Power (dBm)	Separation Distance (mm)	≤ 3.0
Bluetooth	2402	2±2	3.15	5	0.78
Bluetooth	2440	2±2	3.01	5	0.78
Bluetooth	2480	2±2	2.81	5	0.79

[Tune up power, dBm ] = [Target power, dBm  $\pm$  tune-up tolerance, dBm)] Maximum tuned up power = (2 dBm  $\pm$  2 dBm) = 4 dBm = 2.51 mW Measured max output power = 3.15 dBm

2. Conclusion: Bluetooth SAR was not required