

SAR test exclusion

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

At 100 MHz to 6 GHz and for test separation distances ≤ 50 mm, the SAR test exclusion threshold is determined according to the following;

a)
$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \times \sqrt{f(\text{GHz})} \leq 3.0$$

1. SAR test exclusion threshold

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

SAR test exclusion thresholds(5 mm) = $\left[\frac{0.31}{5} \times \sqrt{2.402} \right] = 0.096 < 3.0$.

Mode	Frequency (MHz)	Measured max output Power (mW)	Separation Distance (mm)	≤ 3.0
Bluetooth	2402	0.31	5	0.096

2. Conclusion : Bluetooth SAR was not required