SAR test exclusion

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

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

determined according to the following;

a) [(max. power of channel, including tune-up tolerance, ㎽) / (min. test separation distance, mm)] x [√f(GHz)] ≤ 3.0

1. SAR test exclusion threshold

Frequency : 2480 ㎒ (min. separation distances = 5 mm)

SAR test exclusion thresholds(5 mm) = [(0.01 / 5) * √2.480] = 0.00315 ≤ 3.0.

Mode	Frequency (MHz)	Tune up output Power (dBm)	Measured max output power (dBm)	Separation Distance (mm)	≤ 3.0
Bluetooth	2402	-26±3	-23.21	5	0.00155
Bluetooth	2440	-27±3	-24.02	5	0.00125
Bluetooth	2480	-24±3	-21.67	5	0.00315

[Tune up power, dBm] = [Target power, dBm ± tune-up tolerance, dBm)]

Maximum tuned up power = (-24 dBm ± 3 dBm) = -21.0 dBm = 0.01 mW

Measured max output power = -21.67 dBm

2. Conclusion : Bluetooth SAR was not required