

For FCC Standalone SAR test exclusion considerations

FCC ID: 2AB9R-BRC0550901

Tunable Range	
F(GHz) Low	F(GHz) High
2.425	2.475

According to **KDB 447498 D01 General RF Exposure Guidance v05**

4.3.1 Standalone SAR test exclusion considerations

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 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 and ≤ 7.5 for 10-g extremity SAR

Note: when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Based on the Maximum measured transmitter power:

Pout Conducted (dBm)	Maximum Antenna Gain (dBi)	Pout EIRP (mW)
1.809	2.34	2.60

Maximum TX Power is 1.52mW Conducted and 2.60mW EIRP
 $[(2.60 \text{ mW}/5 \text{ mm}) \cdot \sqrt{2.475(\text{GHz})}] = 0.82 < 3.0$

Conclusion: ZigBee SAR was not required.