

For FCC Standalone SAR test exclusion considerations

FCC ID: AL8-B825

Tunable Range	
F(GHz) Low	F(GHz) High
2.402	2.480

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:

Max Average Power (dBm)	Maximum Antenna Gain (dBi)	Pout EIRP (mW)
7.69	1.97	9.21

Maximum TX Power is 5.87 mW Conducted and 9.21 mW EIRP

$[(9.21 \text{ mW} / 5 \text{ mm}) \cdot \sqrt{2.441(\text{GHz})}] = 2.88 < 3.0$

Conclusion: Bluetooth SAR was not required.