

RF EXPOSURE INFORMATION

1. Standalone SAR test exclusion considerations

SAR test exclusion report base on KDB 447498 D01 General RF Exposure Guidance v09 section 4.3.1 is determined by following;

a) For 100 MHz to 6 GHz and *test separation distances* ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- The values 3.0 and 7.5 are referred to as *numeric thresholds* in step b) below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

Freq. (MHz)	Peak. output Power (dBm)	Max allowed Power (dBm)	Max allowed Power (mW)	Separation Distance (mm)	Result
2402	0.27	2	1.58	5	0.120
2440	0.39	2	1.58	5	0.122
2480	-0.21	2	1.58	5	0.123

2. Conclusion:

The max value is 0.123. Threshold value for SAR no required is 3.

So SAR is not required for this Bluetooth device (FCC ID: X59-BA-300)