RF exposure evaluation

According to 447498 D01 General RF Exposure Guidance v05r02 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies
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:

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

- f(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

Worse case for BLE as below:
[2442MHz: -0.37dBm (0.92 mW) output power]
(0.92 mW /5mm) •[√ 2.442(GHz)]=0.288 <3.0 for 1-g SAR
So, SAR evaluation for BLE is not required

Worse case for BT as below:
[2441MHz: 2.44dBm (1.75 mW) output power]
(1.75 mW /5mm) •[√ 2.441(GHz)]=0.547 <3.0 for 1-g SAR
So, SAR evaluation for BT is not required