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 \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$

for 1-g SAR and \leq 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 BT as below: [2441MHz: 6.06dBm (4.04 mW) output power] (4.04 mW /3mm) •[√ 2.441(GHz)]=1.26 <3.0 for 1-g SAR

Worse case for WIFI as below: [2437MHz: 5.43dBm (3.49 mW) output power] (3.49 mW /5mm) •[√ 2.437(GHz)]=1.10 <3.0 for 1-g SAR