

#### 447498 D01 General RF Exposure Guidance v06

##### 4.3.1. Standalone SAR test exclusion considerations

a) For 100 MHz to 6 GHz and test separation distances  $\leq 50$  mm,

the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \text{ SAR}_{30}$  where

$\leq 3.0$  for 1-g SAR, and  $\leq 7.5$  for 10-g extremity

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

$f = 2.480$  GHz

$P = 8.5 + 2 + .5 = 11$  dBm, 12.6 mW

$d = 5$  mm

threshold  $= (12.6/5) \times \text{SQRT}(2.48)$                        $4.0 < 7.5$