

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 ≤ 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

≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity

f(GHz) is the RF channel transmit frequency in GHz

f=2.480 GHz

P=8.5+2+0.5= 11dBm, 12.6 mW

d=5mm

threshold=(12.6/5) \times SQRT(2.48) 4.0 <7.5