

## SAR Exclusion Evaluation

### SAR Test Exclusion Thresholds:

(FCC KDB Publication 447498 D01 v06)

For  $100 \text{ MHz} \leq f \leq 6 \text{ GHz}$  and  $d_{\min} \leq 50 \text{ mm}$ :

$$\frac{P_{\max}}{d_{\min}} \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \quad \text{for 1-g SAR, and}$$
$$\leq 7.5 \quad \text{for 10-g extremity SAR}$$

where  $P_{\max}$  = max. power of channel in mW  
 $d_{\min}$  = minimum test separation distance in mm  
 $f$  = RF channel transmit frequency

### Calculation:

For  $f = 2.402 \text{ GHz}$ ,  $P_{\max} = 0.7762 \text{ mW}$ ,  $d_{\min} = 5 \text{ mm}$ :

$$\frac{P_{\max}}{d_{\min}} \cdot [\sqrt{f_{(\text{GHz})}}] = 0.3729 \leq 3.0 \quad \text{for 1-g SAR, and}$$
$$\leq 7.5 \quad \text{for 10-g extremity SAR}$$

**Evaluation Results:** Complies