



**General Information:**

Applicant: Data Sciences International  
Environment: General Population/Uncontrolled Exposure  
Exposure Conditions: Portable – FCC Rule Part 2.1093

**Technical Information:**

Minimum Test Separation Distance: 5 mm  
Highest Operating Frequency: 2480 MHz  
Antenna Type: PCB monopole  
Antenna Gain: 2 dBi  
Maximum Transmitter Conducted Power: 1.95 dBm, 1.567 mW  
Maximum Transmitter EIRP: 3.95 dBm, 2.489 mW

**Justification for SAR Test Exclusion:**

Standalone SAR Test Exclusion:

Per KDB 447498 D01 General RF Exposure Guidance v06, the standalone 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:

$$\left[ \frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \left[ \sqrt{f(\text{GHz})} \right] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

$$= (2.489 / 5) \cdot (\sqrt{2.48}) = 0.7839$$

where

- $f(\text{GHz})$  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
- The values 3.0 and 7.5 are referred to as numeric thresholds

$$0.7839 < 3$$

Standalone SAR test exclusion requirements are met and meets the FCC regulations.