

**General Information:**

Applicant: Colder Products Company  
Environment: General Population/Uncontrolled Exposure  
Exposure Conditions: Portable

**Technical Information:**

Minimum Test Separation Distance: 5 mm  
Highest Operating Frequency: 13.56 MHz  
Antenna Type: 8004201 3-turn loop  
Antenna Gain: 0  
Maximum Transmitter Conducted Power: dBm, mW  
Maximum Transmitter EIRP: dBm, 0.0000336 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:

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

$$= (0.0000336 / 5) \cdot (\sqrt{0.01356}) = 7.82 \times 10^{-7}$$

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

$$7.82 \times 10^{-7} < 3$$

Standalone SAR test exclusion is applied.