



General Information:

Applicant: iKeyless
Environment: General Population/Uncontrolled Exposure
Exposure Conditions: Portable

Technical Information:

Minimum Test Separation Distance: 5 mm
Highest Operating Frequency: 315 MHz
Antenna Type: PCB
Antenna Gain: -13 dBi
Maximum Transmitter EIRP: -13.4 dBm, 0.0457 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 ≤ 50 mm are determined by:

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

$$= (0.05 / 5) \cdot (\sqrt{0.315}) = 0.0056$$

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

$$0.00561 < 3.0$$

Standalone SAR test exclusion is applied.