



America

Certification Exhibit

FCC ID: X32-FDHFG000

IC: 8797A-FDHFG000

FCC Rule Part: 47 CFR Part 2.1093

ISED Canada's Radio Standards Specification: RSS-102 Issue 5

TÜV SÜD Project Number: RD72141417.200

Manufacturer: iKeyless, LLC

Model: FDHFL-G000

RF Exposure

General Information:

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

Technical Information:

Minimum Test Separation Distance: 5 mm
Highest Operating Frequency: 314.94 MHz
Antenna Type: PCB Loop
Antenna Gain: -6.0 dBi
Maximum Transmitter Conducted Power: -6.92 dBm, 0.20 mW
Maximum Transmitter EIRP: -12.92 dBm, 0.05 mW

Justification for SAR Test Exclusion - FCC:**Standalone SAR Test Exclusion:**

Per KDB 447498 D01 General RF Exposure Guidance v05r02, 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:

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

$$= (0.20 / 5) \cdot (\sqrt{0.31494}) = 0.02$$

0.02 < 3

Standalone SAR test exclusion is applied.

Justification for SAR Test Exclusion - ISED:

The SAR test exclusion thresholds are determined using IC RSS-102 Issue 5, section 2.5.1 Table 1.

Maximum Conducted or Equivalent Isotropically Radiated power (EIRP): 0.05 mW

The linear interpolated threshold of table 1 for 314.94 MHz at a separation distance of 5 mm is determined as 69.1 mW.

0.05 mW < 69.1 mW

SAR test exclusion is applied.

The EUT complies with the exemption limits for routine evaluation based on frequency and separation distance as per Table 1 of RSS-102 Issue 5 March 2015 as the device has a max EIRP of 0.05 mW.