



**XceedID Corporation
OEM100
FCC Part 11, 15, 18 Certification
2.1033(b) (4) and (5)
05/25/12**



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1. Antenna Information (2.1033(b) (4)):

The XceedID Corporation OEM100 access control reader and credential programmer is a dual frequency device that operates at 125 kHz and 13.56 MHz only. The readers operate by emitting an AC magnetic field at the specified frequencies.

The 13.56 MHz antenna consists of two balanced 1 turn antennas. These two antennas terminate to ground, are 180 degrees out of phase and are tuned to minimum impedance of 150 ohms at a frequency of 14.2 MHz. The antennas are constructed from pcb traces around the perimeter of the pcb.

All readers are constructed with a dual pcb subassembly. The antenna pcb contains the, 125 kHz antenna, 13.56 MHz tuning circuit and the 13.56 MHz antenna.