

EXHIBIT 12

OPERATIONAL DESCRIPTION

APPLICANT NAME:

Intermec Technologies Corporation
Amtech Systems Division

FCC ID:

FIH261105392-01

Exhibit 12: Operational Description

Model: IT2611-003, -004

FCC ID: FIH261105392-01

Description: The basic operation of the RF module acts as the RF/Wire link between a remotely-mounted tag and reader card. The RF link of the module transmits digital encoded data to a remotely mounted transponder (Downlink) and then transmits continuous wave energy (Uplink) so the remotely-mounted transponder can backscatter digital encoded data back to the RF Module receiver. The received data is demodulated, amplified and converted to a digital signal that is sent to (via a wire link) a remotely-mounted reader card for further processing. The difference in the IT2611-003, -004 module is the additional capability to read ATA transponders. The ATA transponders only operate in a continuous wave energy (Uplink) mode at a much slower data rate. Because of this slower data rate in multi-RF module environments, the transmitting source needs a tighter reference for the phase lock loop of the transmitting sources (Uplink, & Downlink) in order to work. The two different model numbers signifies the difference with external antenna configurations, a single or a dual antenna setup.