Theory of Operation

The AeroScout™ T3i Tags are a component of the AeroScout™ Location System. These dedicated battery-powered Tags send Wi-Fi compatible messages at pre-defined intervals and can be attached to non-Wi-Fi assets in order to locate them. Tags send messages with their unique ID number that are detected by Location Receivers and used to estimate the Tag's location.

In the typical operation the Tag wakes up every predefined interval and sniffs the air interface in order to detect 802.11b transmissions (RSSI detection). If the air is free, the Tag transmits its preprogrammed 802.11b message (1 Mbps, DBPSK modulation).

The Tag includes a low frequency magnetic receiver for remote control activation or detection by Exciter in programmable pre-defined range.