

Smart IOT Tracker - Live Signal Demo

› CEVA Dragonfly Dual-RAT NB-IOT and GNSS turnkey IP Platform

- Fully integrated hardware and software solution compliant with 3GPP Rel.15 Cat-NB2
- Low power GNSS IOT solution optimized for LPWAN use-cases with minimal addition to BoM
- Suitable for smart IOT trackers use-case (Connectivity + Positioning)

› Ultra-low power and very low cost design

- Complete NB-IOT stack including L1 (PHY + L1C), L2, L3 and IP layer fully integrated and running on single CEVA-BX1 processor
- Intelligent low power management to achieve micro amp sleep power
- Enabling single die low cost solution
- Addressing massive IOT market needs

› IOT Tracker connected to cloud through live NB-IOT link, monitoring device position

- Periodic snapshot GNSS positioning is triggered
- Positioning is calculated in edge device
- Sending GNSS Fix to the Cloud Server via live NB-IOT Network
- Cellular is kept in PSM (Power Saving Mode) in between
- Cloud Server send position notification to mobile App

