1. Overview of the product

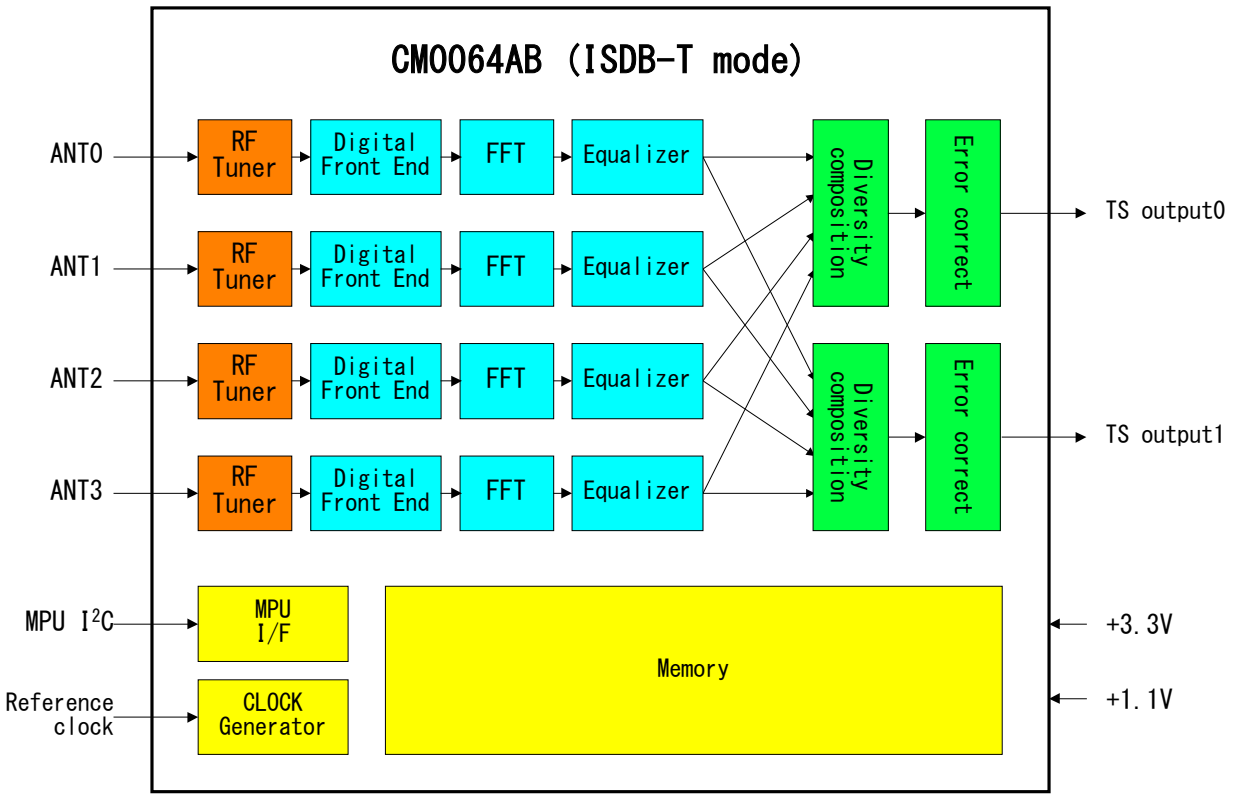
CM0064AB is a mobile receiving IC that supports Integrated Services Digital Broadcasting - Terrestrial (ISDB-T), ISDB - Terrestrial for Sound Broadcasting (ISDB-Tsb), Integrated Services Digital Broadcasting Terrestrial for mobile multimedia (ISDB-Tmm).

With this IC, it will be easy to design a high performance receiving front-end system for ISDB-T. The IC includes two systems of TS output and that enables outputting different broadcasting signals at a time.

2. Features

- Support ISDB-T, ISDB-Tsb, ISDB-Tmm
- Built-in high performance RF tuners
- Receiving band *1 : VHF-Low, VHF-High, UHF *1 : VHF: ANT0 and ANT3
- Supports four-path diversity (ISDB-T, ISDB-Tsb, and ISDB-Tmm)
- Dual TS output systems
- Built-in high performance equalizer
- Improved receiving performance in SFN conditions
- No external memory required
- I^2C interface
- Supports detection of activation flag for Emergency Warning System.
- Operating ambient temperature: -40℃～+85℃
- Package: PFBGA-144pin (12mm × 12mm / 0.8mm pitch)

3. Rough block diagram



Note: Information provided in this document is subject to change without prior notice due to reliability issues or design improvements.