



Sensata Technologies

Model: BREX

Equipment Category: UHF to BLE Range Extender

Intended Use: The Wireless Range Extender, also known as BREX, is a product installed in a motor vehicle which receives tire pressure sensor data at 433.92 MHz and sends that information to a proprietary BLE HUB via BLE protocols at 2.4 GHz.

The 433.92 MHz UHF data is received by an NXP MANTRA IC and transferred over to the SiLabs EFR32MG21 SOC BLE radio ic for transmission. The BLE radio may use data rates of 125 kbps, 500 kbps, 1 Mbps, or 2 Mbps to transfer this data to the HUF.