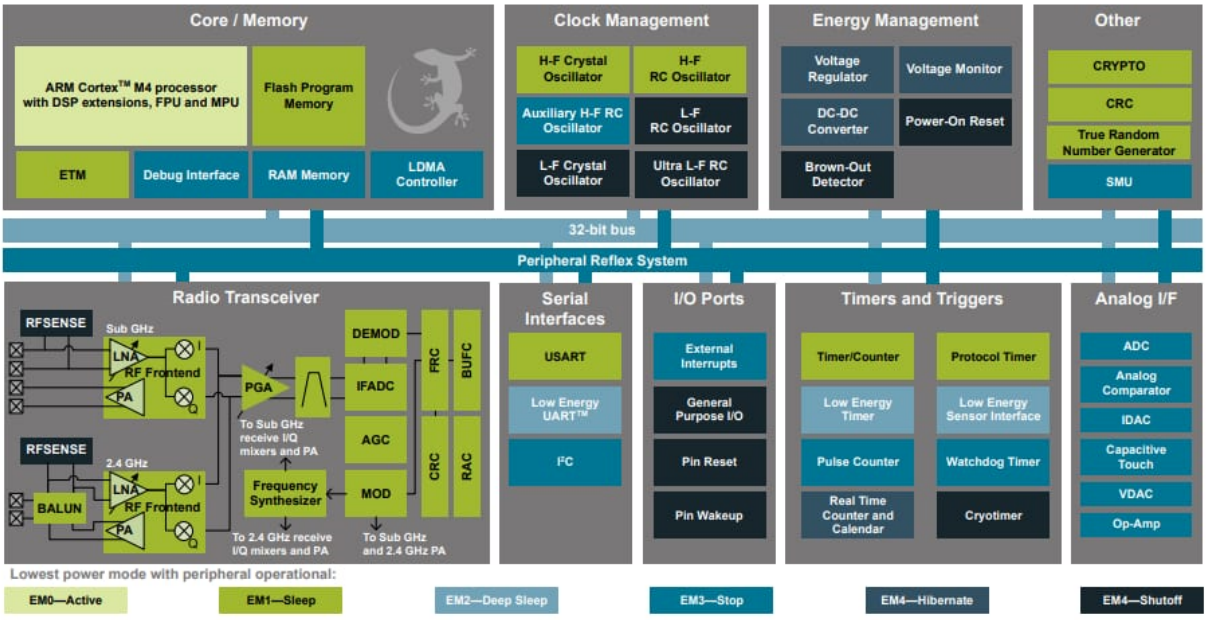
Operational Description – ESCO – 0002 – FCC ID: 2ASXK65507

GET Detect Bucket Module is a 2.4GHz Bluetooth Low Energy radio operating as a non-pairable beacon. The BLE standard stack used is BLE 4.2. The radio uses GFSK modulation and is transmitting advertisement packets only. No voice/audio/video. The radio has a variable firmware power setting from 0 to +10dBm which is programmed at manufacturing at +0dBm. This is not changeable in any setting past manufacturing and the device is locked down and cannot be paired/written to. Data encoding uses the standard BLE 1Mbps PHY. Maximum transmit time per 100ms is 5ms on BLE channels 37, 38 and 39 (2402,2426 and 2480MHz respectively). The below attached block diagram for the EFR32BG13 chipset is provided by Silicon Labs. The drawing makes reference to a sub gig radio, but the chipset used is only for 2.4GHZ and doesn't utilize or have populated any other radio. The radio has an internal PA/LNA and BALUN which is outside of manufacturer/user control.