

Operational Description

The radio is wholly contained by the Nordic processor, the nRF51822. The output power is not variable. It is set in software on power up, and never changed

The radio uses GFSK modulation, and is data modulated. The maximum data rate is 1 Mbits/sec for Bluetooth LE. The modulation index is between 0.45 and 0.55. The device is qualified as a “Digital Transmission System”. The protocol is Bluetooth LE. The frequency range of operation is from 2.400 GHz to 2.480 GHz. The lowest channel used is 0, the highest 39.