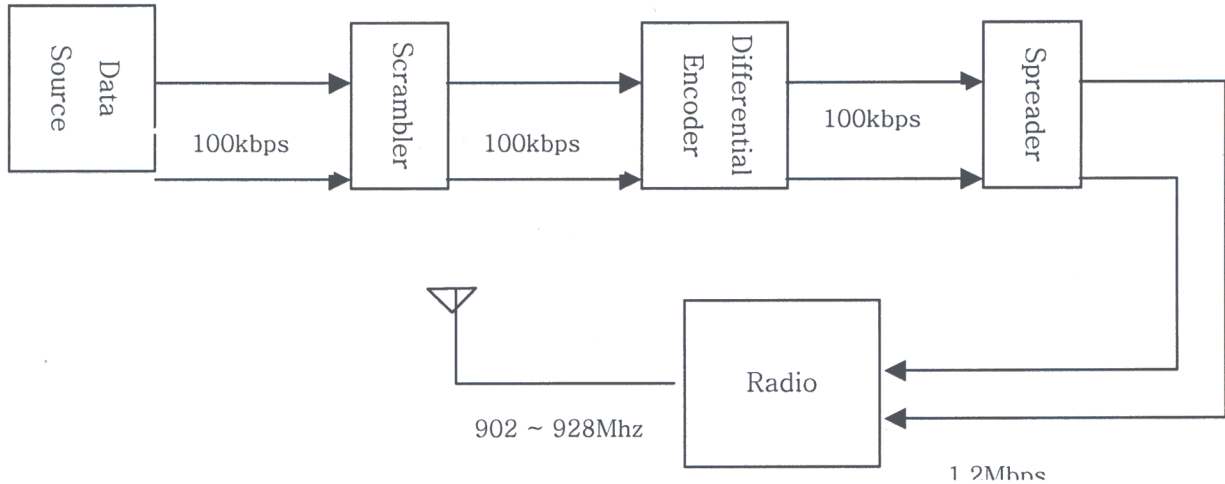


Cordless Base - Tx Operation Description

The transmission path uses the internal data generator which passes through the scrambler, differential encoder and radio module. The data rates at each output are on the diagram.



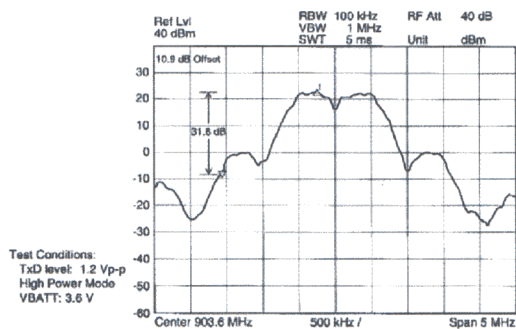
(Figure 2. TX Path)

The scrambler XORs the data stream bit-to-bit with a pseudo noise data stream.

The differential encoder differentially encodes the incoming data stream.

For example, a constant string of ones will generate a toggled output and a constant string of zeroes will result in a constant string of zeros.

The spreader XORs each incoming data bit with a fixed 12-bit code sequence, Effectively increasing the data rate to 1.2Mbps.



(Figure 3. RF Spectrum)