

TEB-HUNTSS0680

Operational Statement:

This device is an integration of two existing products, 1) Landis + Gyr metrology circuit board and 2) Hunt Technologies STATSignal Focus Module circuit board. The STATSignal portion of the circuit will read data from the metrology portion. The RF transmitter transmits Gaussian Frequency Shift Keying (GFSK) signals to compatible STATSignal receivers. It's transmit frequency is based on a table of fifty preset pseudo-random frequencies, stored in EEPROM. This table ensures that each of the frequencies are used the same number of times. The frequency synthesizer uses a crystal oscillator circuit as its reference to produce a frequency between 910.5 and 927.499962 MHz, which is turned on and off by the modulator to produce a GFSK signal.