

Block Diagram Oscillators

The EUT has three oscillators, as shown in Figure 1

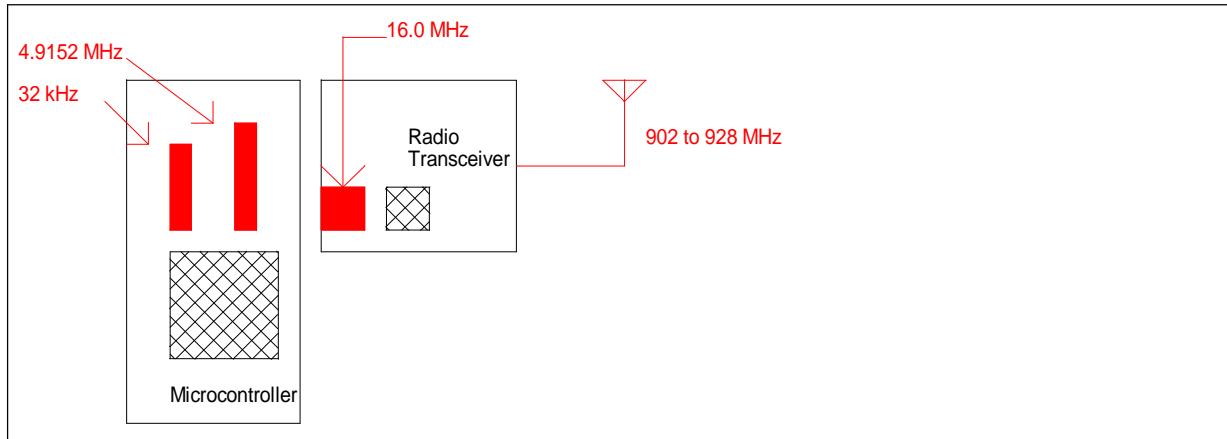


Figure 1

Associated with the NEC uPD78F138H Microcontroller are:

- ☒ 4.9152 MHz main operating frequency
- ☒ 32 kHz for time-of-day
- ☒ There is no signal path. The oscillators are within the microcontroller chip. The clocks do not extend to other circuitry.

Associated with the Micrel RF505 Transceiver are:

- ☒ 16 MHz crystal oscillator.
- ☒ The frequency synthesizer is contained within the RF505.
- ☒ The RF505 is a “zero-IF” type transceiver, i.e., there is no external 10.8 MHz or 455 kHz IF strip.
- ☒ The only signal path that extends from the RF505 is the 902 to 928 MHz signal to/from the antenna.