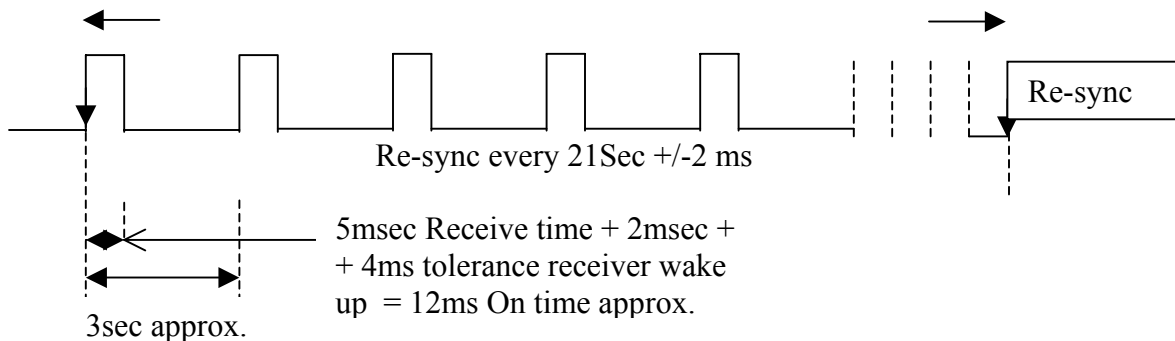
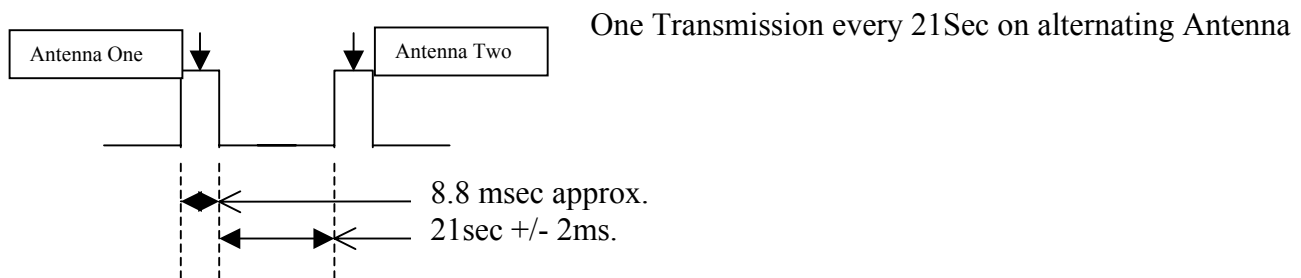
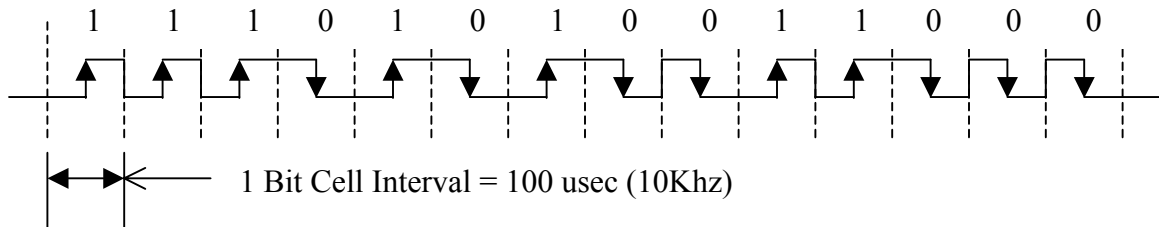


## Wake up Transmission Format

Serialized data is Manchester Phase Encoded as shown below. Bit stream is sent out on a most significant bit first fashion. Message redundancy and RF Spatial diversity are implemented by transmitting 2 identical messages while alternating antennae (1 messages transmitted on each antenna). This transmission is repeated every 21Sec Unless an alarm condition has happened



Note: Sync has highest priority all other message follow after a Sync. Sync is not exclusive to a 21 sec time interval. Minimum sync time is 18sec max time is 63sec if using a 32768 crystal at 25 ppm

**Message Sync Format** - This shall consist of a total of 6 bytes transmitted twice:

**Output Base band** - This shall be Phase Encoded (Manchester) .

40 bits + 6 bytes sent at 10K bits / sec. (.8 mS. / byte) = 8.8mS. / Message Full power level.