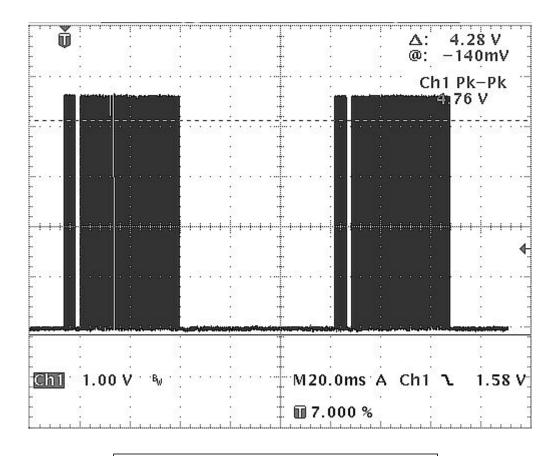


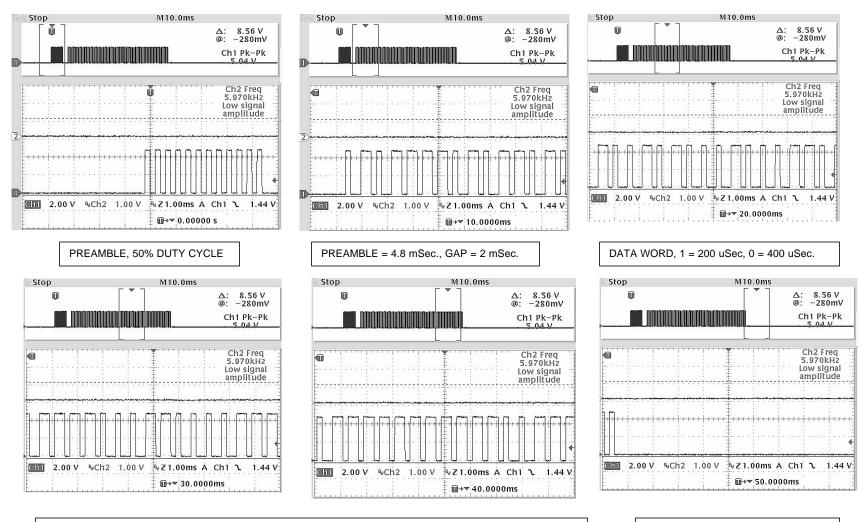
Zero span Spectrum Analyzer Photograph – Unable to Distringuish Data pulses. Used Tektronix TDS 3032 oscilloscope with floppy disk recording feature for data squence.



Rolling Code Format – SHA24711 Interword Timing, 62 mSec.

Total Data Word length = 110 mSec.

20 mSec. / Division for Timing Diagram



29 "Ones" X 200 uSec. = 5.8 mSec + 37 "Zeroes" X 400 uSec. = 14.8 mSec = Total Data On Time of 20.6 mSec.

GAP BETWEEN WORDS = 62 mSec.

ROLLING CODE DATA STREAM, DUTY CYCLE ---- ON TIMES = Preamble 2.4 mSec + Data 20.6 mSec. = 23 mSec. ---- Total Time of Data Stream from First Data Pulse = 48 mSec + 60 mSec interword gap. NOTE: FCC Rules limit duty cycle calculations to 100 mSec.

23 mSec / 100 mSec. = 0.23 FCC Duty Cycle = 20 log (0.23) = -12.7 dB