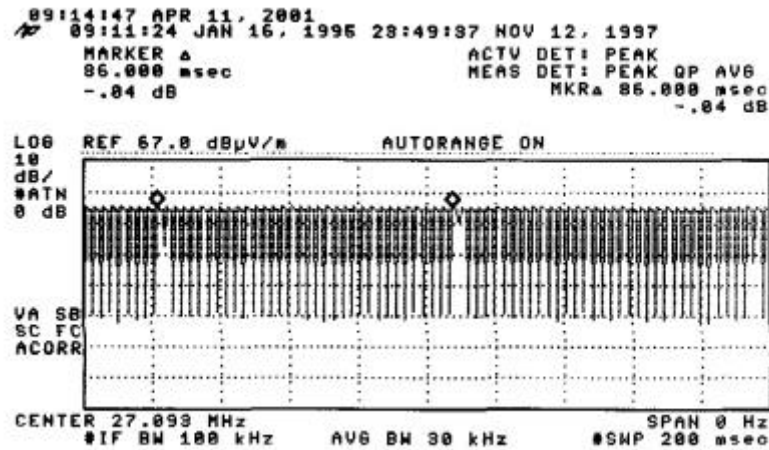
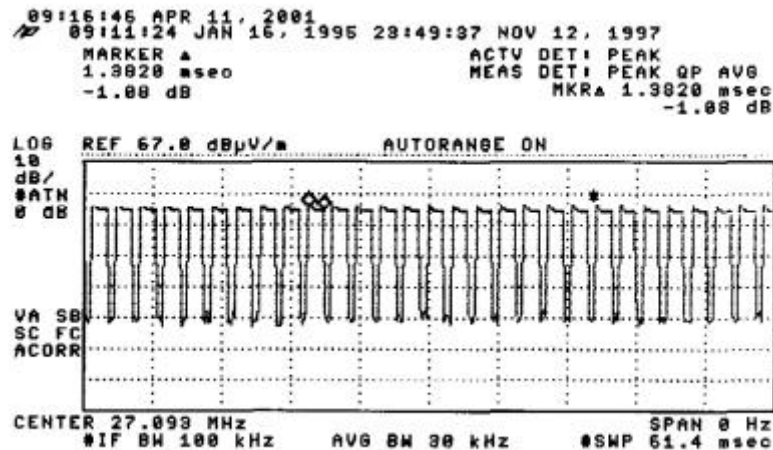


Duty Cycle Correction During 100 msec:

Each functions key sends a different series of characters, but each packet period (86 msec) will not exceeds a series of 33 long (1.38 msec) and short (1.23 msec) Assuming any combination of short or long pulse may be obtained due to encoding the worse case transmit duty cycle would be considered $33 \times 1.38 \text{ msec}$ per 86 msec = 53% duty cycle.

Duty Cycle Correction = 20 long (0.53) = -5.5dB

Figure A to B show the characteristics of the pulse train for one of these function.

FIGURE A: PULSE TRAIN**FIGURE B: LONG PULSE****FIGURE C: SHORT TRAIN**