PocketWizard MAX Transmitter Duty Cycle
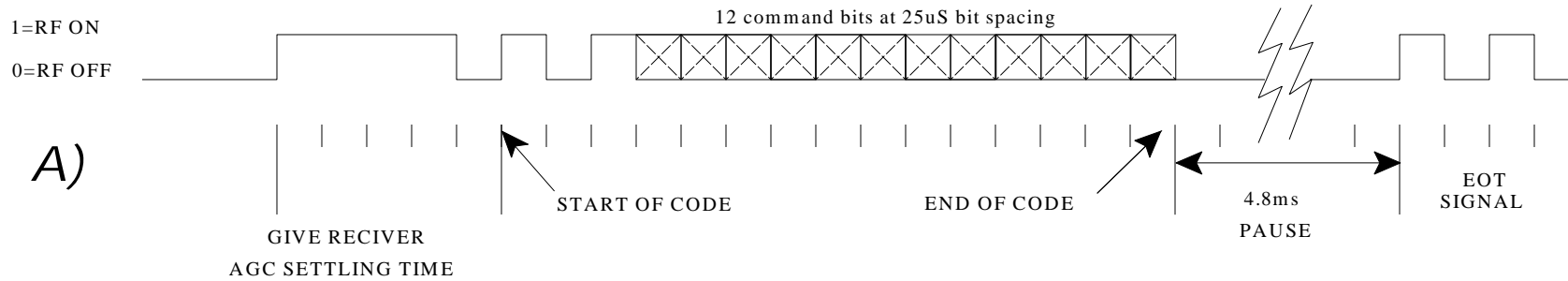
The PocketWizard MAX has two command packet formats:
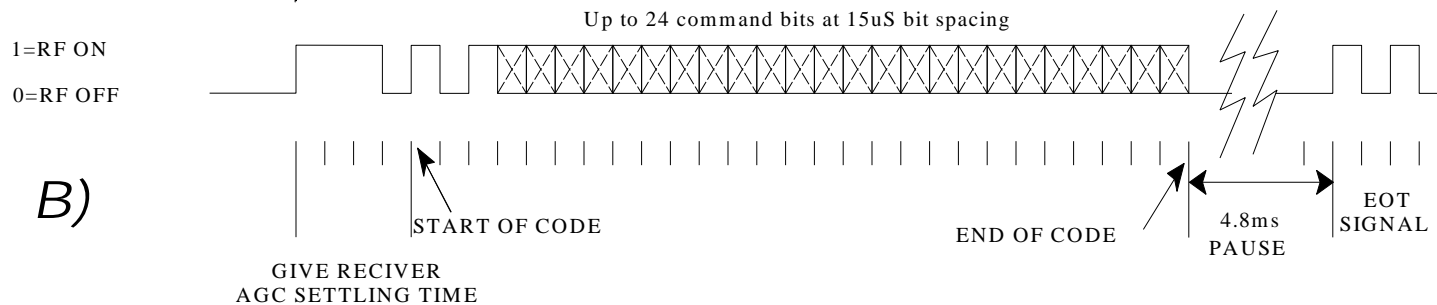A) Legacy PocketWizard compatible format (slightly modified), and
B) New PocketWiazrd MAX format (bit time shorter and more bits)

A)

1=RF ON
0=RF OFF

12 command bits at 25uS bit spacing

START OF CODE

END OF CODE

4.8ms
PAUSE

EOT
SIGNAL

GIVE RECIVER
AGC SETTLING TIME

Worst Case Duty Cycle Calculations:

4.90 ms OFF TIME
0.450ms ON TIME (MAX)
5.350ms TOTAL TIME Per transmission

$$\frac{0.450ms}{5.350ms} \times 100\% = 8.42\% \text{ duty cycle}$$

20 log (.0842) = -21.494 dB

Trigger Input
Time = 0

B)

1=RF ON
0=RF OFF

Up to 24 command bits at 15uS bit spacing

START OF CODE

END OF CODE

4.8ms
PAUSE

EOT
SIGNAL

GIVE RECIVER
AGC SETTLING TIME

Worst Case Duty Cycle Calculations:

4.86 ms OFF TIME
0.465ms ON TIME (MAX)
5.325ms TOTAL TIME Per transmission

$$\frac{0.465ms}{5.325ms} \times 100\% = 08.732\% \text{ duty cycle}$$

20 log (.08732) = -21.1773 dB

FCC ID: KDS-PW2-001