

EUT operational description as per FCC section 15.231(a)(1)

The T50 is a special transmitter that is powered only when the button is pressed. When the button is pressed, the transmission starts immediately (without delay at all).

If the person stops pressing the button, the transmission stops immediately, because no DC power is applied to the transmitter any more.

If the person doesn't stop pressing the button, the transmission will stop after about 5.8 sec (see the plot below). Because the standard demands a 5 second duration after the button released, and because an average time of pressing is about 1 sec, we thought that it is appropriate to use about 5.8 sec transmission (this is a panic transmitter and as such we are trying to make sure that the transmission will be received). The microcontroller controls the transmitter, and it is the one that is responsible.

