

Radar transmitter specification

(1) Output Power: 0.0061W

(2) Center Frequency: 76.5GHz

(3) Modulation

Switched FM-CW and uses triangular frequency chirp at 502Hz.

To provide range information;

a) Switching frequency: 5.6MHz or 11.3MHz.(Duty 50%)

b) Modulation bandwidth: $f_0 \pm 150\text{MHz}$ or $\pm 100\text{MHz}$