

Cov. Ang	FAR	LAR	Eff. Ang
40°	2.92	0.68	38°
50°	2.37	0.85	46°
60°	2.00	1.00	53°
70°	1.74	1.15	60°
80°	1.56	1.29	65°
90°	1.41	1.41	71°
100°	1.31	1.53	75°
110°	1.22	1.64	79°

$$\text{FAR} = 1 / \sin(x/2) \quad \text{LAR} = 2 / \text{FAR}$$

$$T = 1 / F \quad \lambda = c / f$$

$$T = (\Delta\text{Phase}/360) / \Delta\text{Frequency}$$

$$c = 345\text{m/s or } 1,131\text{ft/s} \approx$$

$$3\text{ms/meter, } 0.9\text{ms/ft, } 1.1\text{ft/ms}$$

Sub Gradient: \emptyset and delay rear
by spacing distance (<1m)