

New IEEE
band designations

		λ (at low f)
hf	3-30 MHz	
vhf	30-300 MHz	394"
uhf	300-1000 MHz	39.4"
L-band	1-2 GHz	11.8
S-band	2-4 GHz	5.9
C-band	4-8 GHz	3.0
X-band	8-12 GHz	1.5
K_u -band	12-18 GHz	1.0
K-band	18-27 GHz	.6
K_a -band	27-40 GHz	.4
Millimeter	40-300 GHz	.3

$$\lambda = \frac{c}{f}$$

$$c = 1.18 \times 10^{10} \text{ in/sec}$$

$$\approx 12 \times 10^9 \text{ in/sec}$$

$$\therefore \lambda \approx \frac{12}{f \text{ (GHz)}} \text{ (inches)}$$