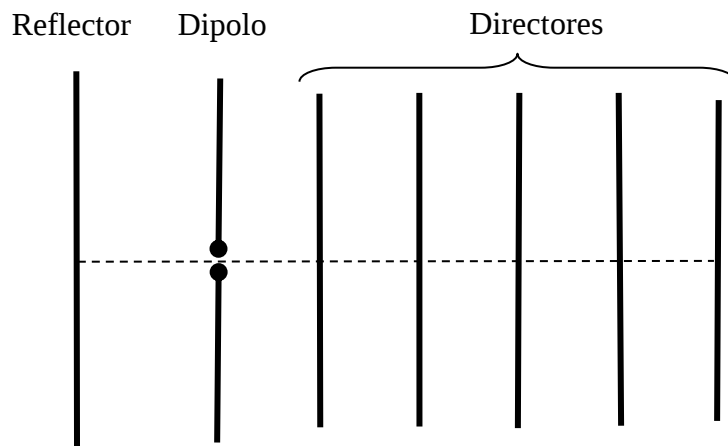


Tabla Diseño de Antena Yagi (frecuencia en MHz)



Longitudes:

Reflector: $\frac{\lambda}{2} = \frac{150}{f} [m]$

Dipolo: $0.95 \frac{\lambda}{2} = \frac{142.4}{f} [m]$

1er. Director: $0.9 \frac{\lambda}{2} = \frac{135}{f} [m]$

Directores: m: $0.900 \frac{\lambda}{2} = \frac{135}{f} [m]$

n: $0.885 \frac{\lambda}{2} = \frac{133}{f} [m]$

p: $0.867 \frac{\lambda}{2} = \frac{130}{f} [m]$

q: $0.860 \frac{\lambda}{2} = \frac{129}{f} [m]$

s: $0.837 \frac{\lambda}{2} = \frac{126}{f} [m]$

Nº Directores	2	3	4	5	6	7	8	9	10
Ganancia [dB]	9	9.5	10	11	12	13.5	15	15.5	16
R _{Dipolo}	80	76	72	64	56	50	44	40	38
2º Director	n	n	n	n	m	m	m	m	m
3º Director		p	p	p	n	n	n	n	n
4º Director			q	q	p	n	n	n	n
5º Director				s	q	p	p	p	p
6º Director					s	q	p	p	p
7º Director						s	q	q	q
8º Director							s	q	q
9º Director								s	s
10º Director									s

Separación:

Dipolo – Reflector: $0.18\lambda = \frac{54}{f} [m]$

Dipolo – 1er. Director: $0.09\lambda = \frac{27}{f} [m]$

Directores consecutivos: $0.18\lambda = \frac{54}{f} [m]$