

4 Directors
1st Design Iteration:

Director Length:

$[0.9525, 0.9271, 0.9271, 0.83185]$ meters

Director Spacing:

$[0.4191, 0.8636, 1.3208, 1.7778]$ meters

Reflector Length: 1.0287

Reflector Spacing: 0.0001

Driven Element: 0.9779

Driven Element Spacing: 0.1905

4 element

2 Directors

Director Length: $[0.9525, 0.8382]$ m

Director Spacing: $[0.48895, 1.0287]$ m

Reflector length 1.0414 m

Reflector Spacing ≈ 0 m

Driven Element Length: 0.9779 m

width: 0.0254

Driven Element Spacing: 0.003175

Detector Length $[.96, .93, .93, .89]$

$[.19, .144, .53, .54]$

1.01

.15

0

$[1 \ 0 \ 0]$

length .9779

.0254

.003175

0

$[1 \ 0 \ 0]$

Directors 2 Yagi

Director Length (m) $[0.9525, 0.8382]$

Director Spacing (m) $[.1997, 1.2287]$

Reflector Length (m): 1.0514

Reflector Spacing (m): 0.000001

0 tilt

$[1 \ 0 \ 0]$ tilt axis

Exciter

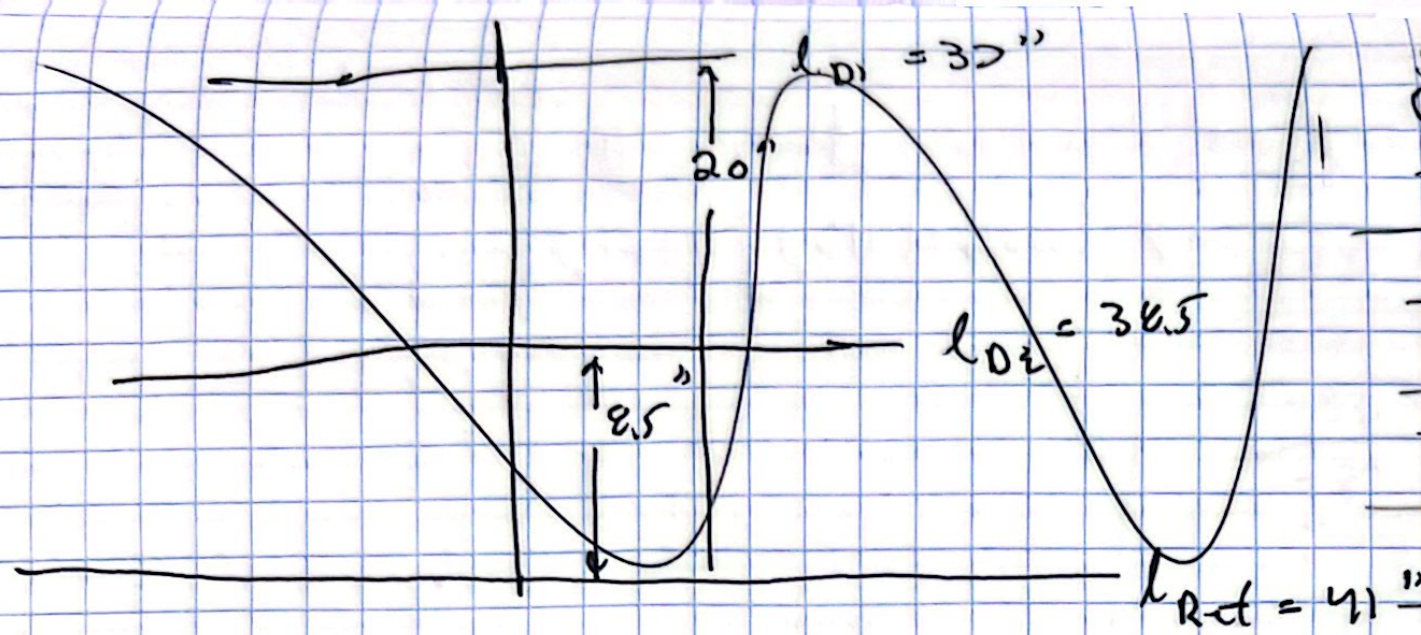
length: 0.9779m

width: 0.0254m

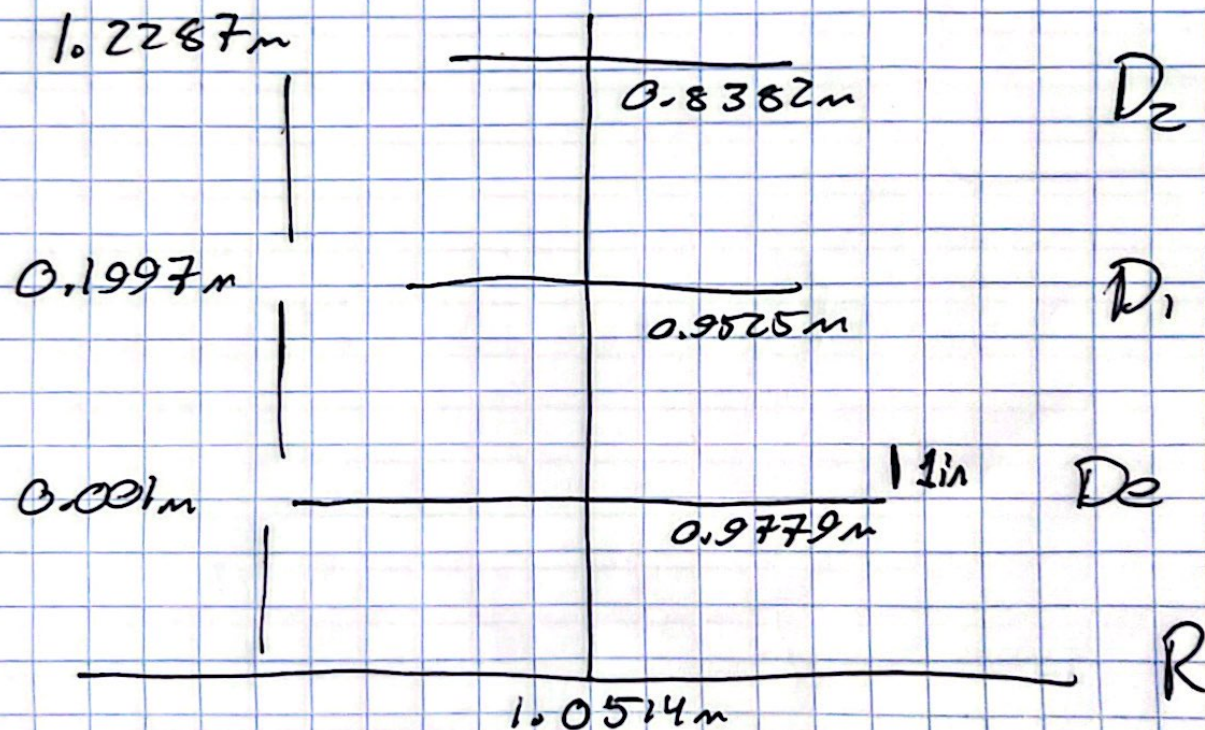
Spacing: 0.001m

tilt: 0 deg

tilt axis: $[1 \ 0 \ 0]$



SWR (dB)	° Azimuth
-76	0°
-78	45
-79	90
-80	135
-65	180
-71	225
-74	270
-84	315°



SWR (dB)	° Azimuth
-68	0°
-73	45°
-76.5	90°
-83.5	135°
-82.5	180°
-77	225°
-87.5	270°
-71	315°