

Design yagi 455MHz

- boom insulator (non-metal spt kayu, fiber dll)
- coax 50 ohm, tanpa matching impedance
- elemen kawat aluminum 2mm jari-jari (4m diameter)

455MHz 0.75m boom (6 el)

	panjang	posisi
ref	0.322m	0m
driv	0.29m	0.091m
dir1	0.296m	0.119m
dir2	0.295m	0.278m
dir3	0.288m	0.468m
dir4	0.278m	0.758m

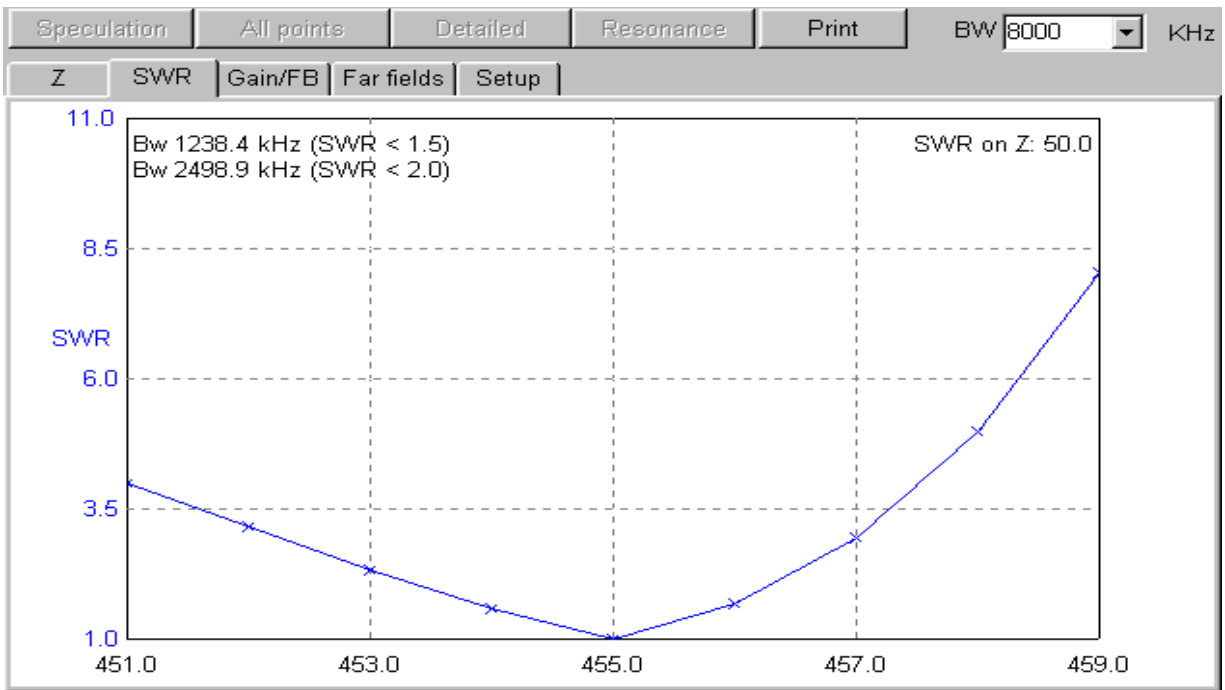
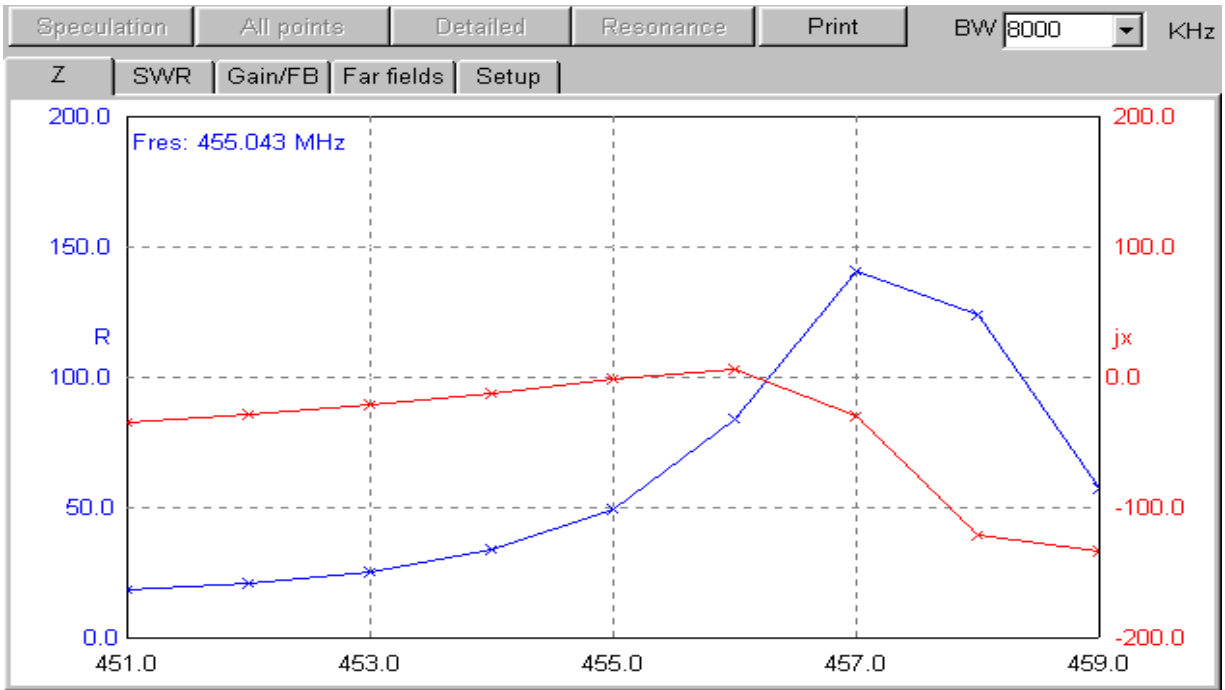
Gain 12dBi

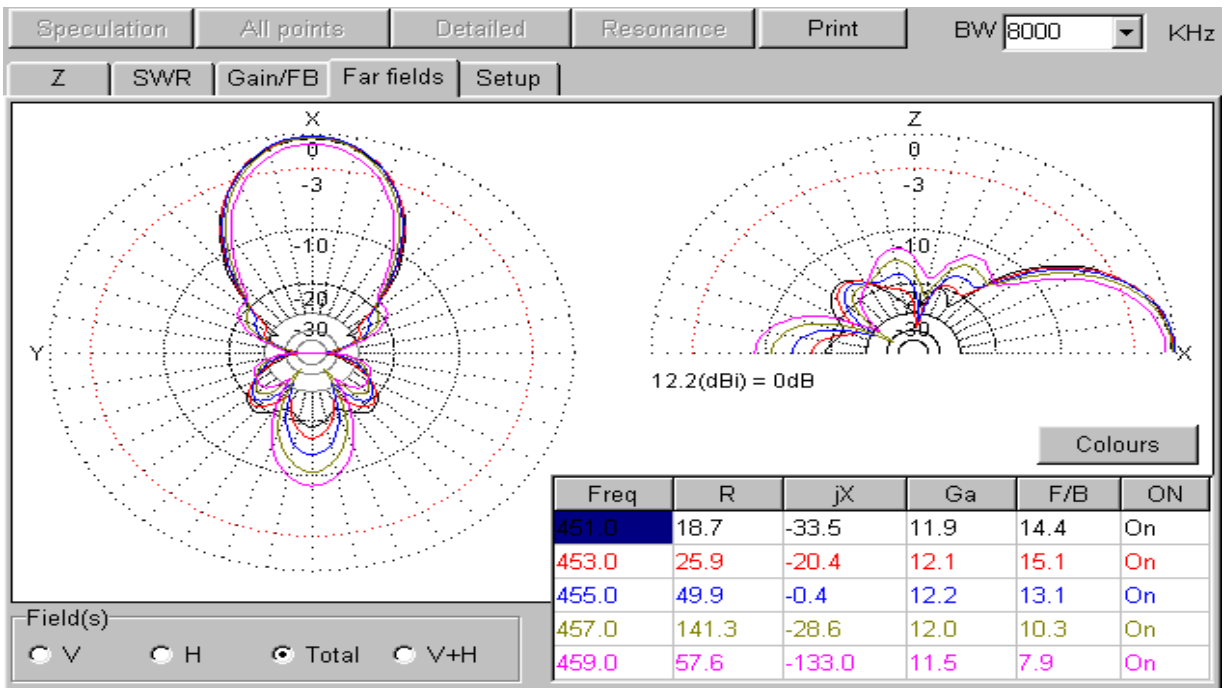
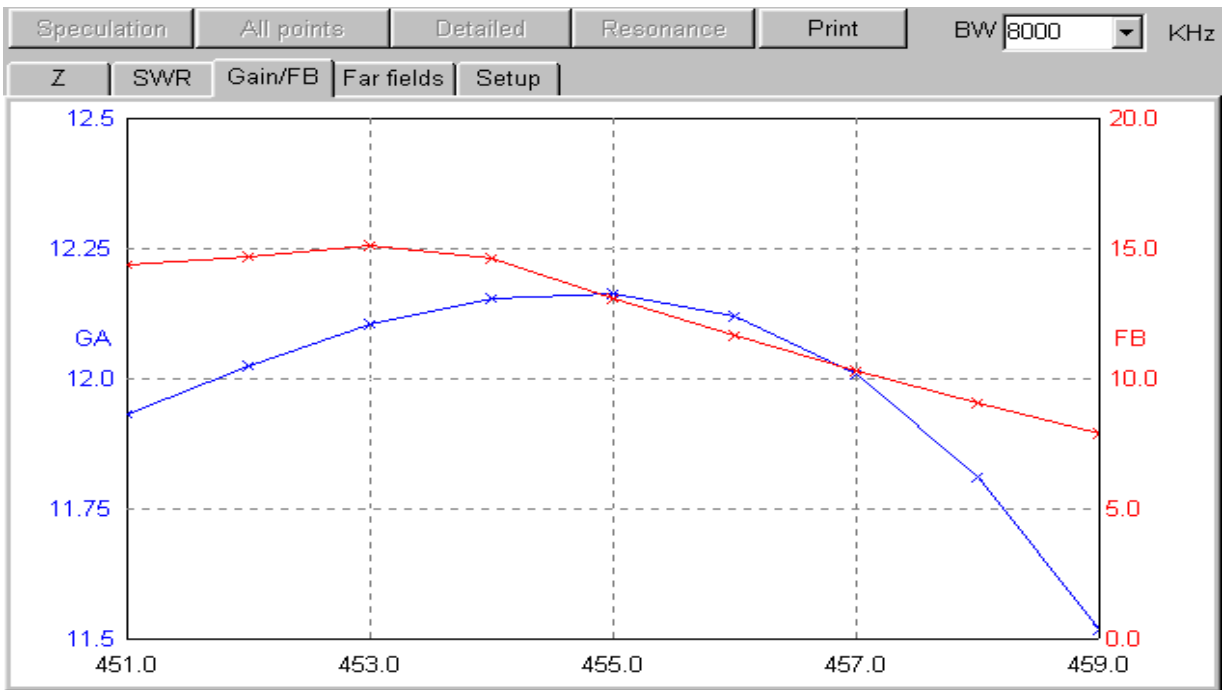
F/B 13dB

Input file simulator

```
455MHz 0.75m boom
*
455.0
***Wires***
6
-3.006e-17, -0.161055, 0.0, 1.002e-17, 0.161055, 0.0, 0.002, -1
0.090626, -0.145183, 0.0, 0.090626, 0.145183, 0.0, 0.002, -1
0.11866, -0.14822, 0.0, 0.11866, 0.14822, 0.0, 0.002, -1
0.278452, -0.147426, 0.0, 0.278452, 0.147426, 0.0, 0.002, -1
0.467589, -0.144, 0.0, 0.467589, 0.144, 0.0, 0.002, -1
0.7581, -0.139, 0.0, 0.7581, 0.139, 0.0, 0.002, -1
***Source***
1, 1
w2c, 0.0, 1.0
***Load***
0, 1
***Segmentation***
400, 40, 2.0, 1
***G/H/M/R/AzEl/X***
0, 0.0, 4, 50.0, 120, 60, 0.0
###Comment###
Mod by Onno W. Purbo, YCOMLC 1/25/2008 9:00:45 AM
```

Hasil simulasi





455MHz 1.5m boom (9 el)

	panjang	posisi
ref	0.329m	0m
driv	0.304m	0.104m
dir1	0.295m	0.129m
dir2	0.295m	0.288m
dir3	0.288m	0.477m
dir4	0.280m	0.775m
dir5	0.282m	0.991m
dir6	0.272m	1.304m
dir7	0.27m	1.524m

Gain 14dB
F/B 25dB

input simulator

455MHz 1.5m boom

```
*
455.0
***Wires***
9
-3.006e-17, -0.164555, 0.0, 1.002e-17, 0.164555, 0.0, 0.002, -1
0.103626, -0.151933, 0.0, 0.103626, 0.151933, 0.0, 0.002, -1
0.12886, -0.14747, 0.0, 0.12886, 0.14747, 0.0, 0.002, -1
0.287652, -0.147426, 0.0, 0.287652, 0.147426, 0.0, 0.002, -1
0.476789, -0.144, 0.0, 0.476789, 0.144, 0.0, 0.002, -1
0.7753, -0.13975, 0.0, 0.7753, 0.13975, 0.0, 0.002, -1
0.9912, -0.141, 0.0, 0.9912, 0.141, 0.0, 0.002, -1
1.3044, -0.13595, 0.0, 1.3044, 0.13595, 0.0, 0.002, -1
1.524, -0.13475, 0.0, 1.524, 0.13475, 0.0, 0.002, -1
***Source***
1, 1
w2c, 0.0, 1.0
***Load***
0, 1
***Segmentation***
400, 40, 2.0, 1
***G/H/M/R/AzEl/X***
0, 0.0, 4, 50.0, 120, 60, 0.0
###Comment###
Mod by Onno W. Purbo, YCOMLC 1/25/2008 9:22:02 AM
```

Hasil Simulasi

