

LOGPERIODIC DIPOLE ARRAY
ARRL antenna book 15th edition
p.10-4,10-5
 OH3FG/KO4BC June 18, 1993

Give values only those fields marked with BOLD

Constants Tau and Sigma defines physical appearance of the antenna. Greater values mean bigger antenna with more gain.

The Tau should be $1 > \tau \geq 0.8$

It is not necessary to give a Sigma. If you leave it blank, the computer will calculate a value for it.

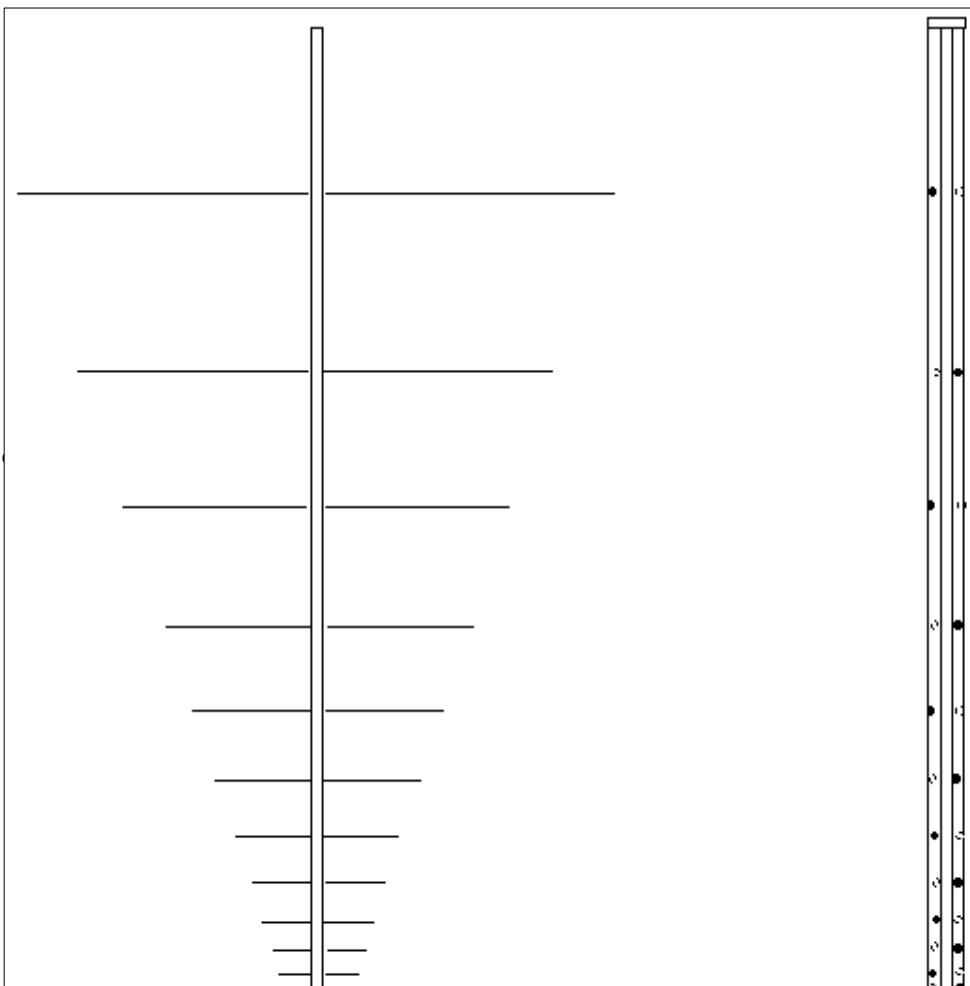
The calculated value will be the value for max gain for given Tau.

If you decide to give Sigma, make it $0.22 > \sigma \geq 0.06$

Lowest frequency **140.00 MHz**
Highest frequency **950.00 MHz**
Tau **0.80**
(Sigma)
Feeder Z **60.00 ohm**
Boom Dia. **15.00 mm**

Distance of Boom halve 29.95 mm
 Gain Appox. 8.3 dBi

Element	metric dimesions			
	Length	Half	Dist. fr. p	From Boom
13	1.071	0.536		0.268
12	0.857	0.429	0.307	0.575
11	0.686	0.343	0.246	0.821
10	0.549	0.274	0.197	1.018
9	0.439	0.219	0.157	1.175
8	0.351	0.176	0.126	1.301
7	0.281	0.140	0.101	1.402
6	0.225	0.112	0.081	1.482
5	0.180	0.090	0.064	1.547
4	0.144	0.072	0.052	1.598
3	0.115	0.058	0.041	1.639
2	0.092	0.046	0.033	1.672
1	0.074	0.037	0.026	1.699
0	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000



El. material tot. 5.06 m
Total boom length 1.70 m

