

$\frac{1}{4}$ WAVE @ 10'

4/17/04 102" ON MAST ONLY NO GP Elements there 50' RG/8 #

@ 27.200 R=79/80 X=-79 SWR=3.40

1 GP

Added 1- $\frac{1}{4}$ wave Hor GP element

@ 27.200 R=40 X=-34 SWR=2.20

@ 29.740 R=41 X=+4 SWR=1.10 Resonance

Removed Hor + MADE IT SLANT DOWN 1-element

LOW SWR Freq

@ 27.200 R=41 X=-31 SWR=2.04

@ 29.200 R=41 X=+5 SWR=1.24 Resonance

Made antenna look better + resonance went down lowering SWR

Added 1- $\frac{1}{4}$ wave GP element MAKING 2 SLANTED down

2 GP

@ 27.200 R=45 X=-12 SWR=1.31

@ 28.190 R=43 X=+4 SWR=1.21

LOW SWR Freq
A GREAT DEAL?

RAISED R

Lowered Freq a lot MADE MATCH BETTER

Made ABOVE with 3 $\frac{1}{4}$ wave GP RADIALS

3 GP

@ 27.200 R=54 X=-12 SWR=1.24

@ 27.490 R=50 X=+8 SWR=1.17

RAISED R A LOT

raised R nicely for SWR's & showed 102" is CAPACITIVE with

40
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