

# KE8USA Antennas

## 40m End Fed Half Wave Performance



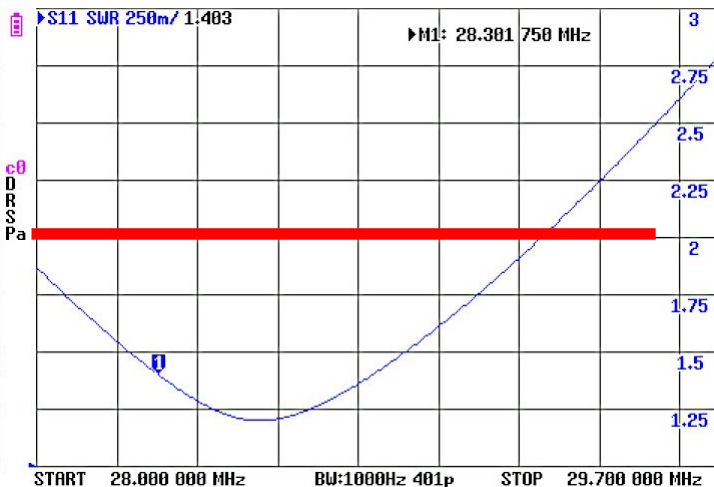
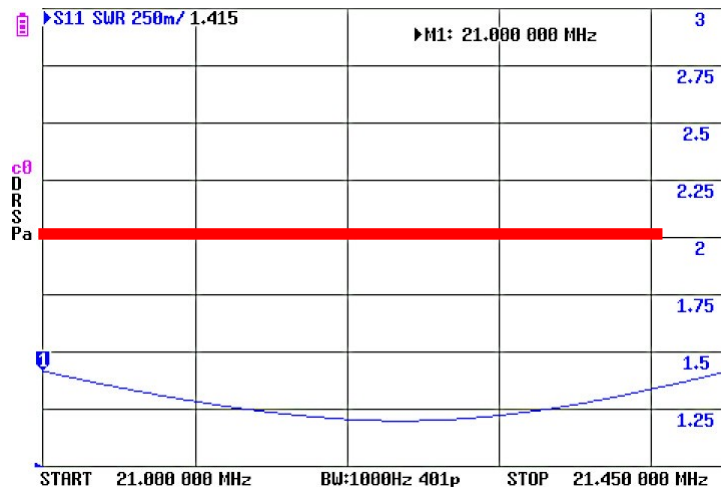
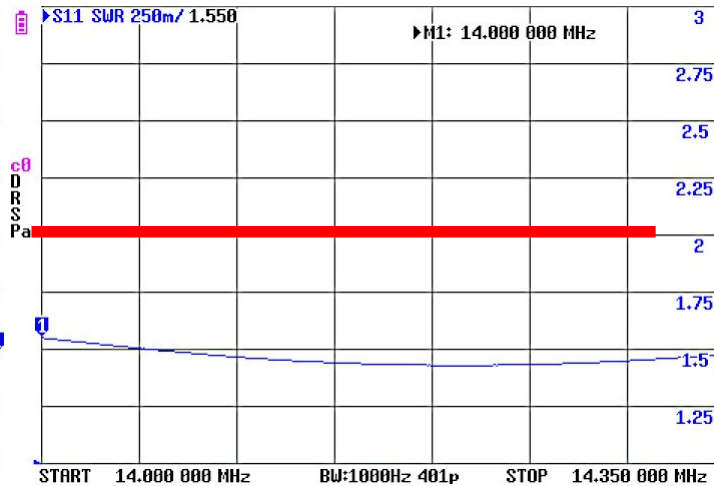
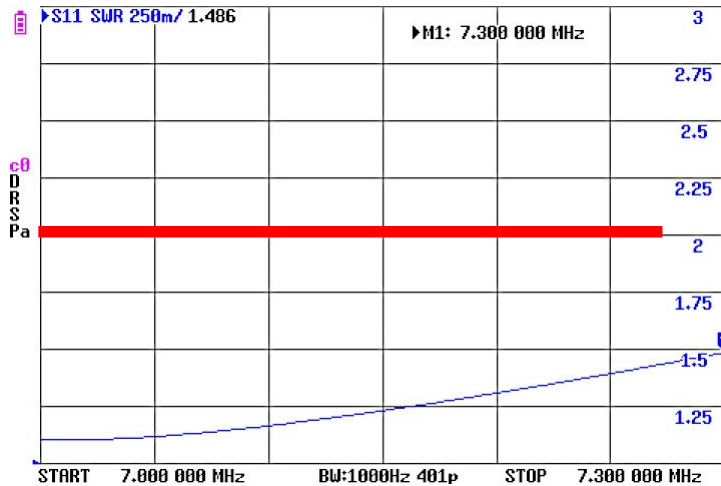
### **KE8USA ANTENNAS**

#### **40M EFHW Antenna**

40m, 20m 15m, 10m

Max Power  
600W SSB  
200W FT8

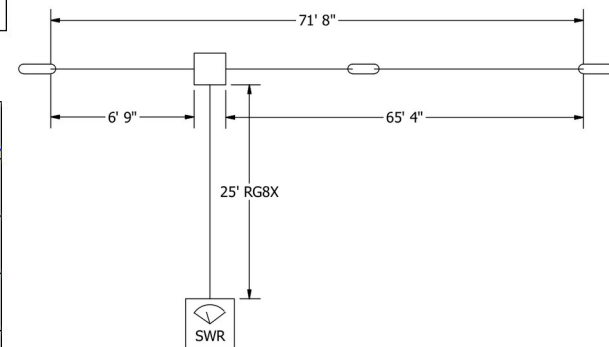




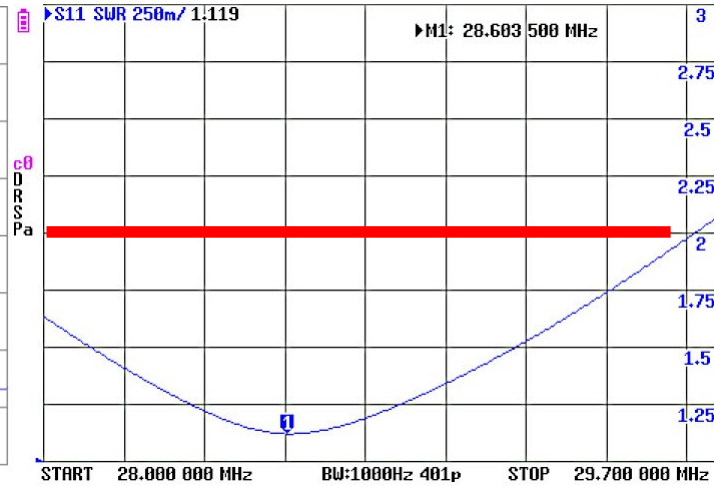
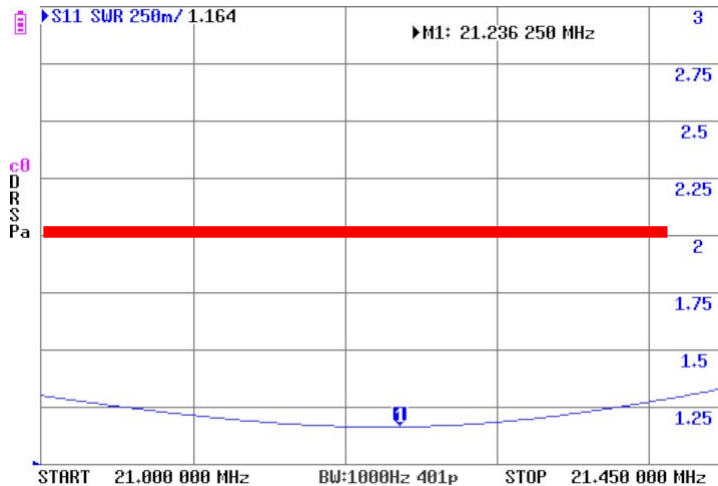
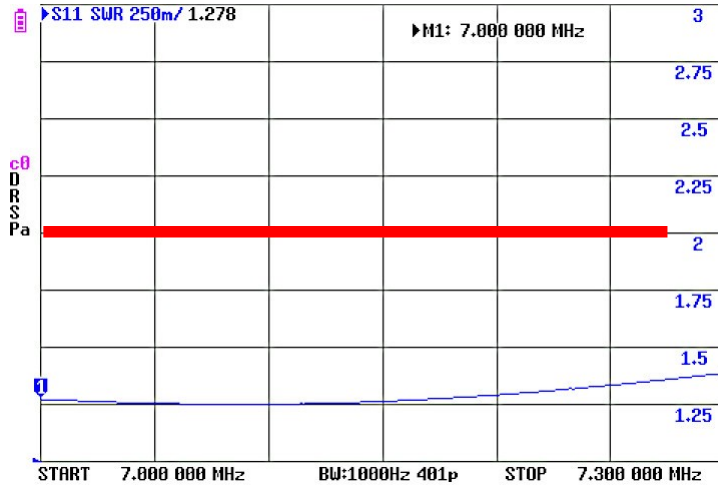
40m EFHW antenna  
Covers 40m, 20m, 15m and  
10m

SWR under 2.0 on all bands

Tested with 25' of RG8X coax  
Horizontal at 25' high



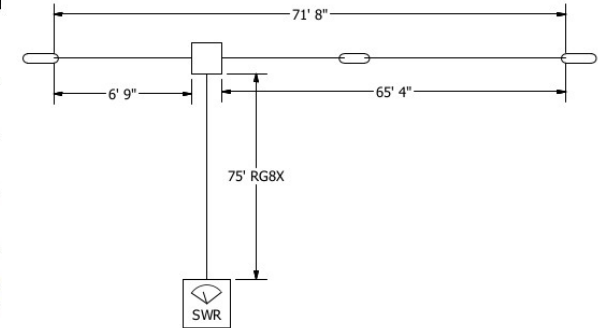
These SWR measurements are for reference only and are specific to my location, ground condition, coax and proximity to objects. Installation at your location can be different from what is shown here.



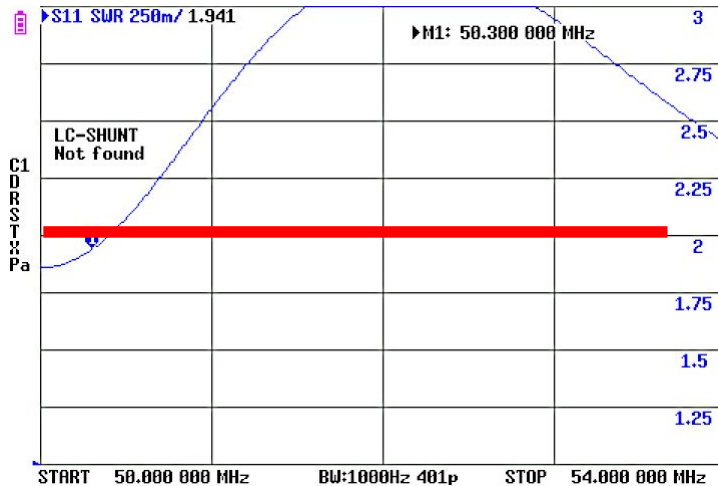
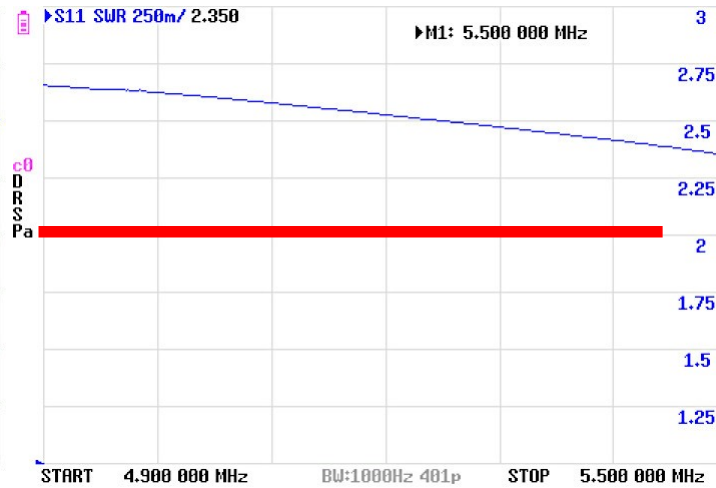
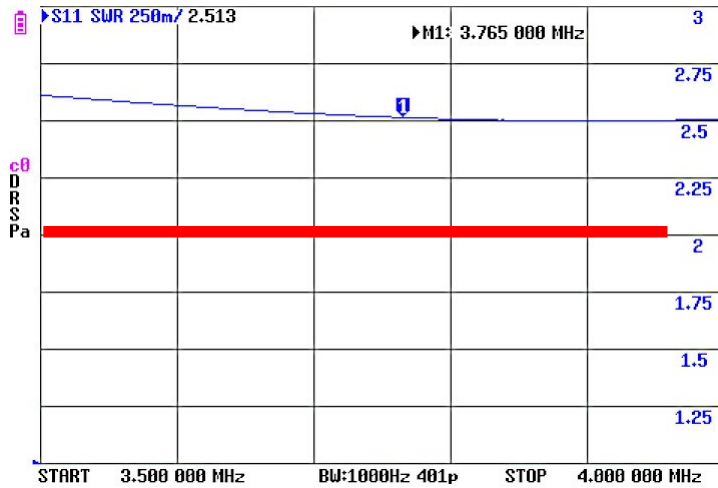
40m EFHW antenna  
Covers 40m, 20m, 15m and  
10m

SWR under 2.0 on all bands

Tested with 75' of RG8X coax  
Horizontal at 25' high



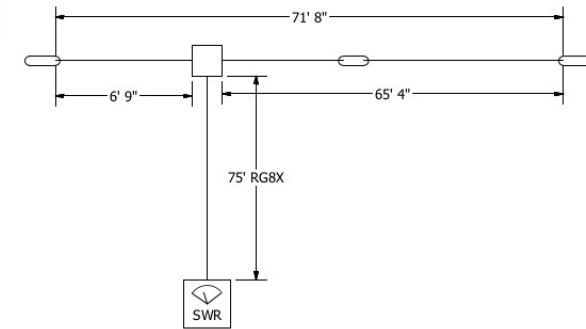
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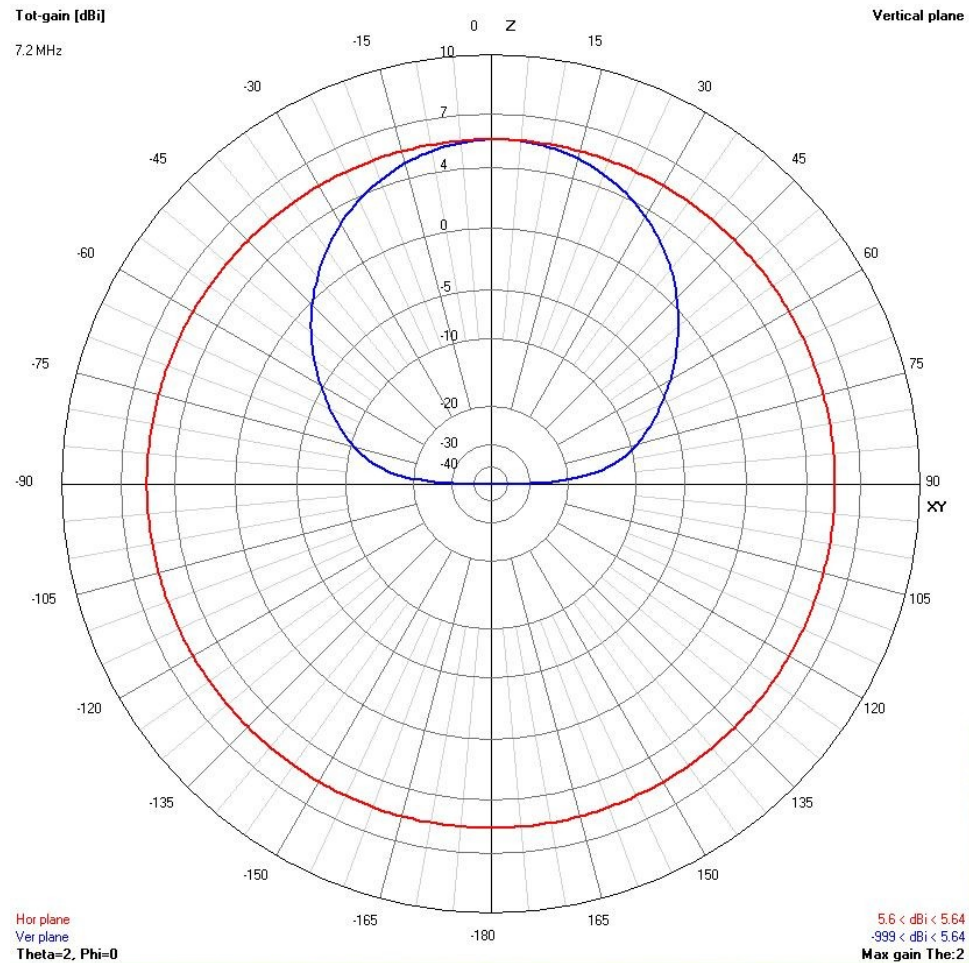
40m EFHW antenna  
80m, 60m, and 6m

SWR under 3.0

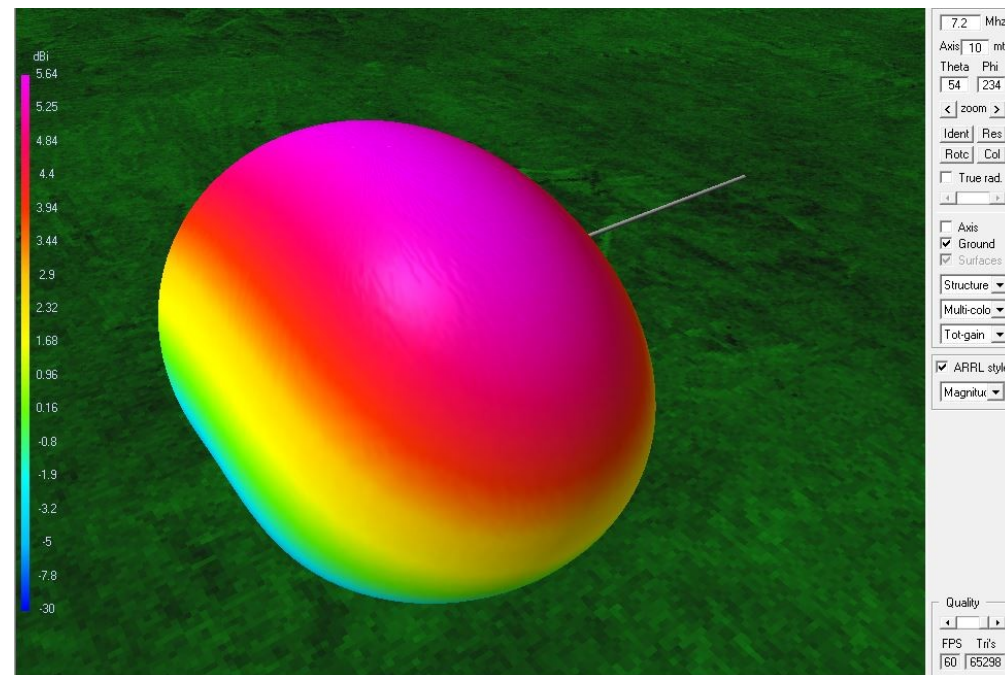
Tested with 75' of RG8X coax  
Horizontal at 25' high



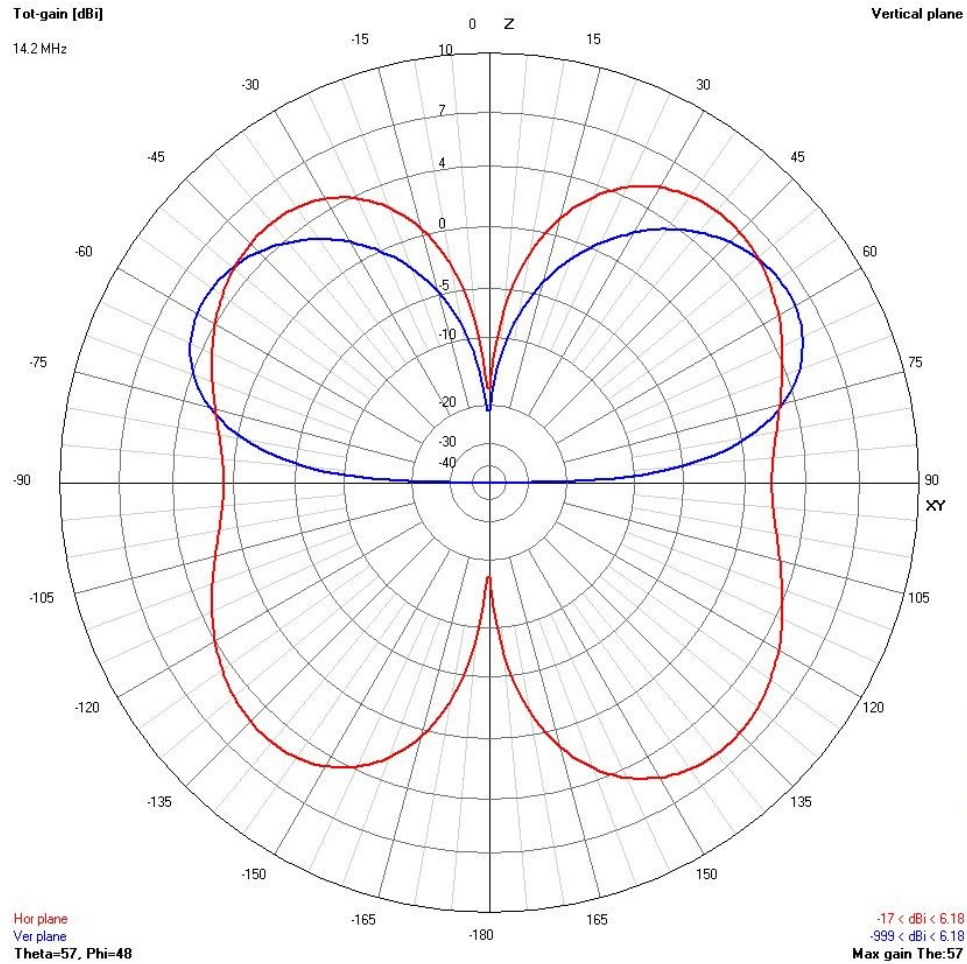
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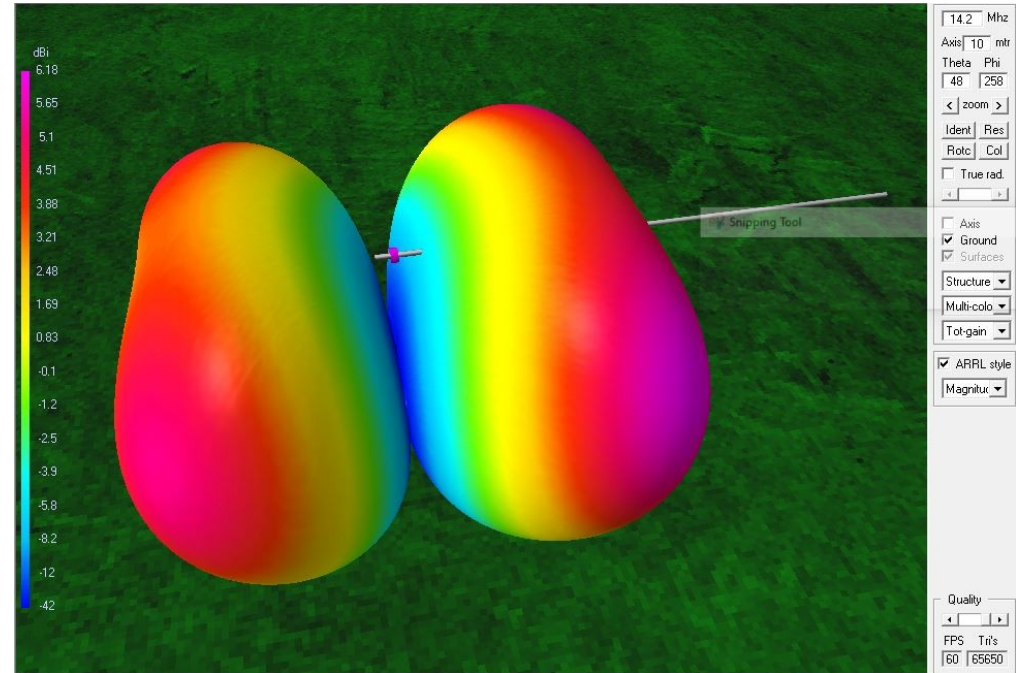
40m EFHW Antenna  
40m Band Radiation pattern  
Horizontal at 25'  
Max Gain 5.64 dBi

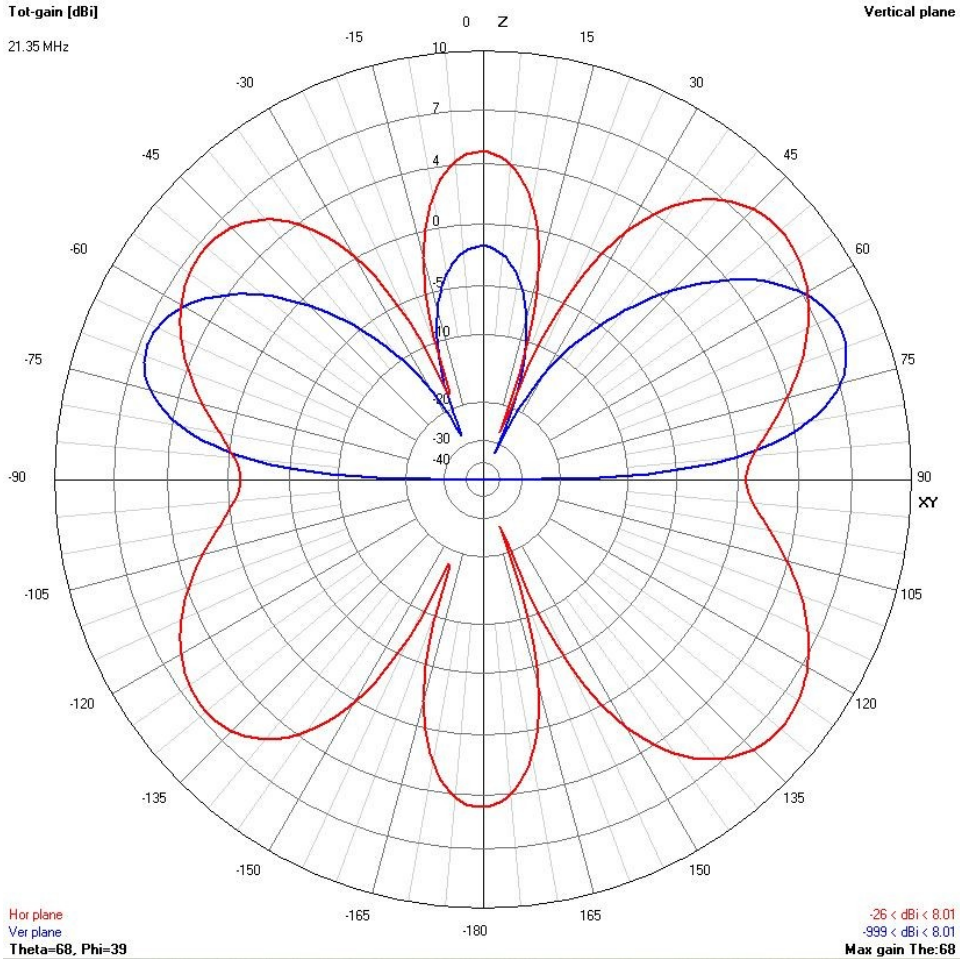




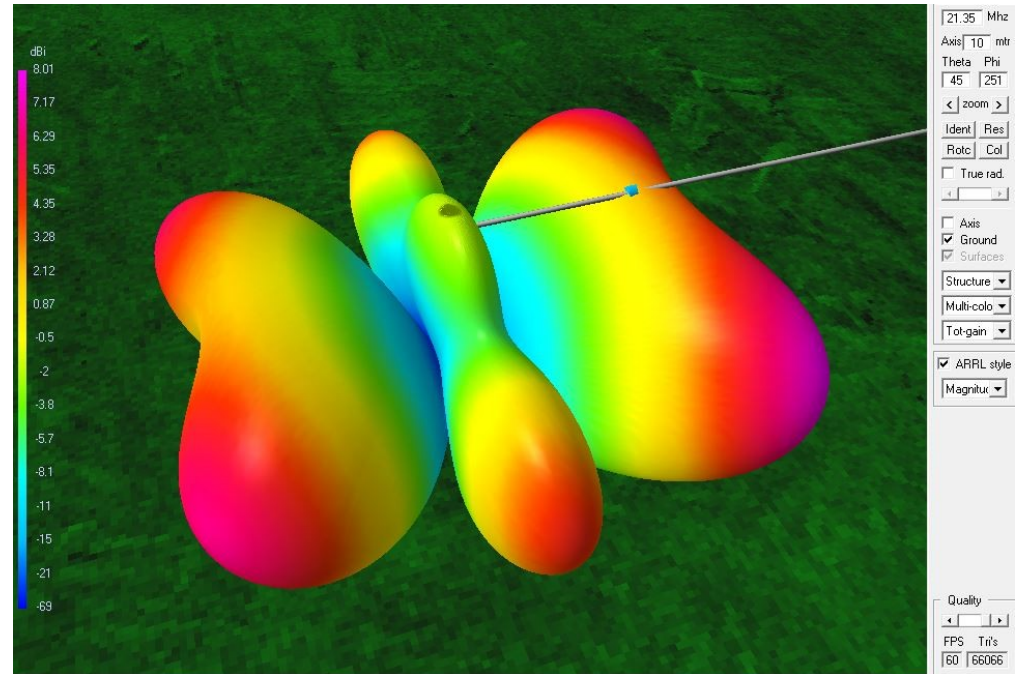


40m EFHW Antenna  
20m Band Radiation pattern  
Horizontal at 25'  
Max Gain 6.18 dBi

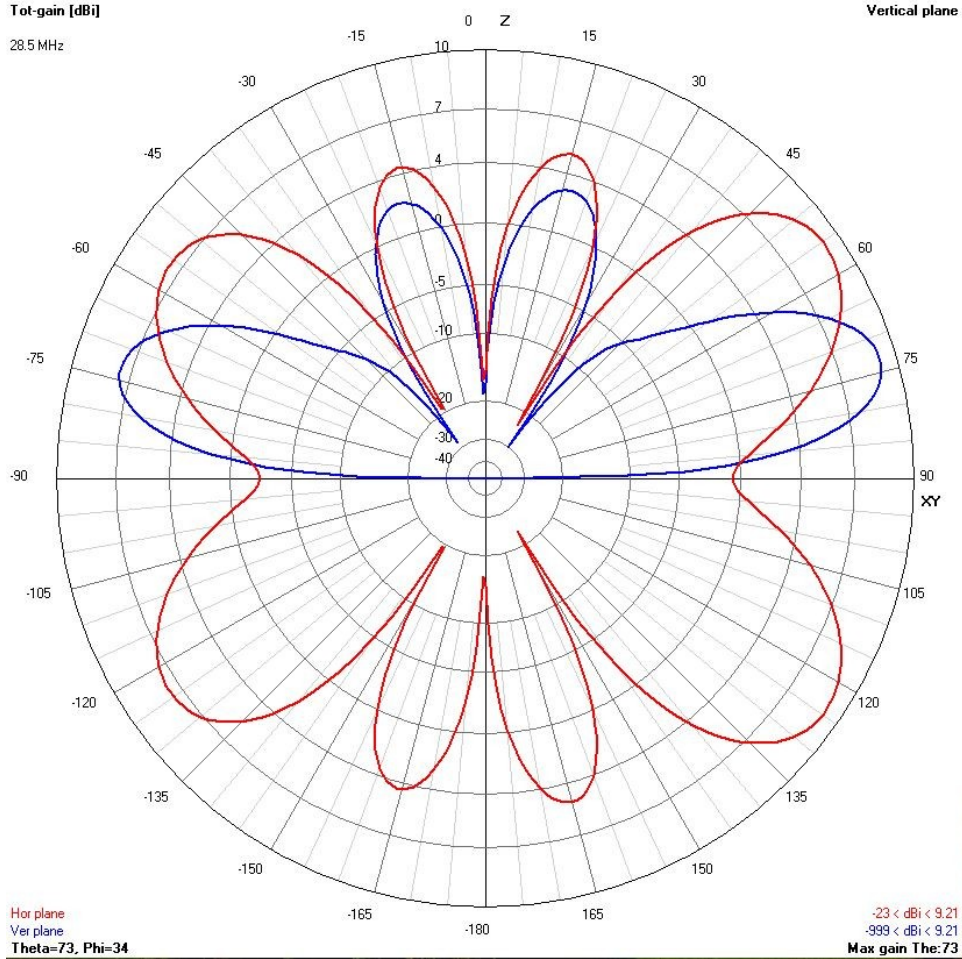




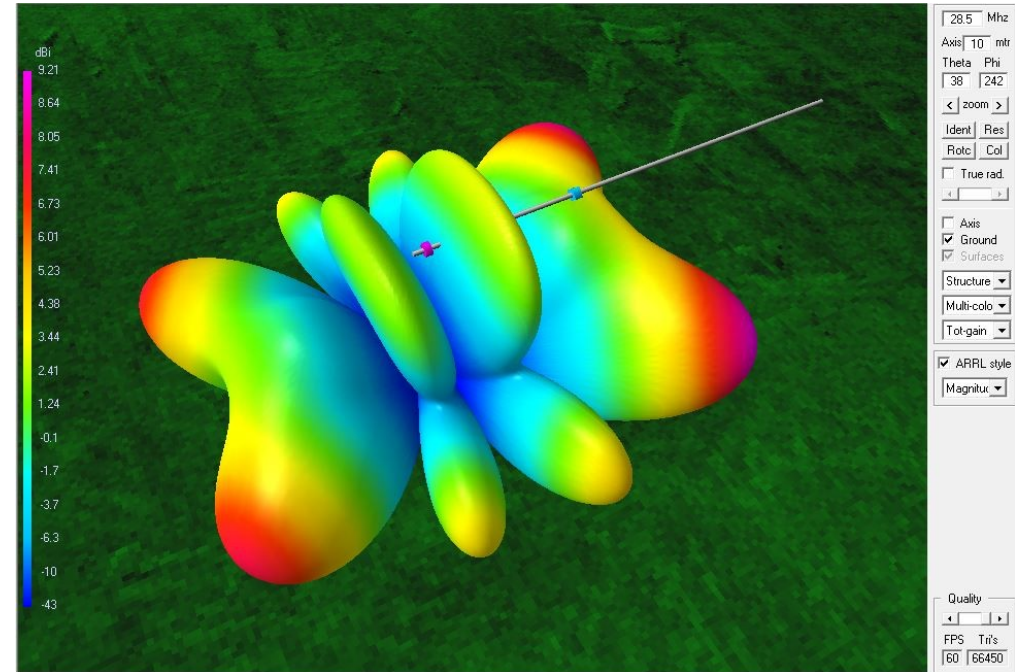
40m EFHW Antenna  
15m Band Radiation pattern  
Horizontal at 25'  
Max Gain 8.01 dBi







40m EFHW Antenna  
10m Band Radiation pattern  
Horizontal at 25'  
Max Gain 9.21 dBi

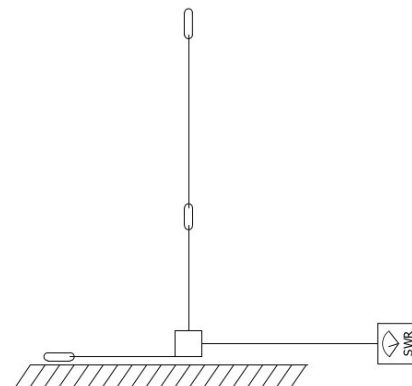




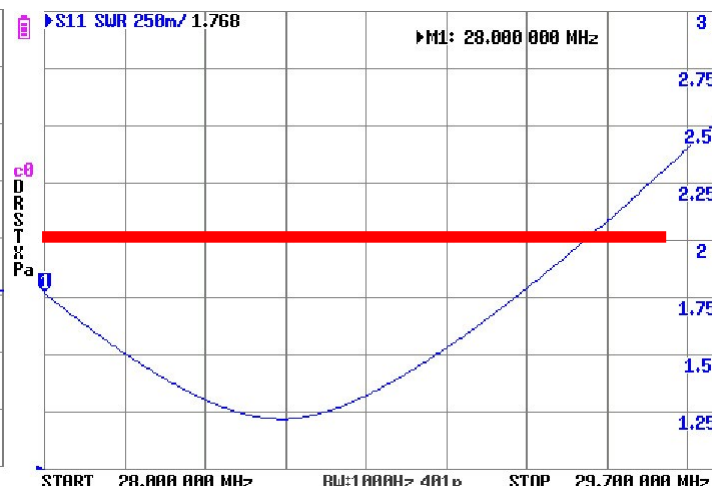
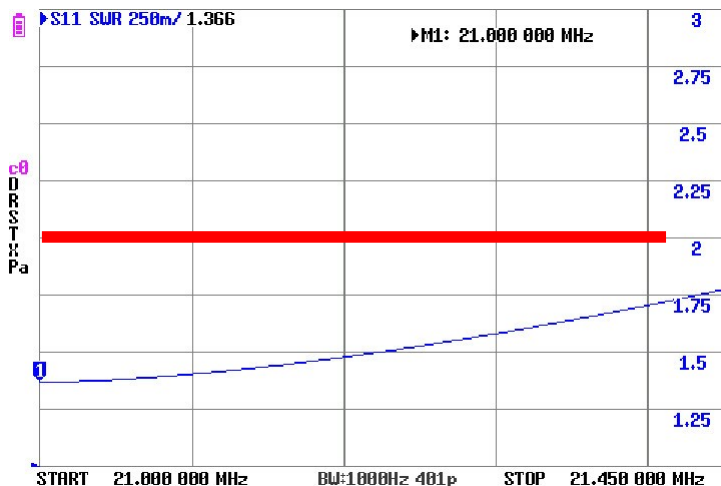
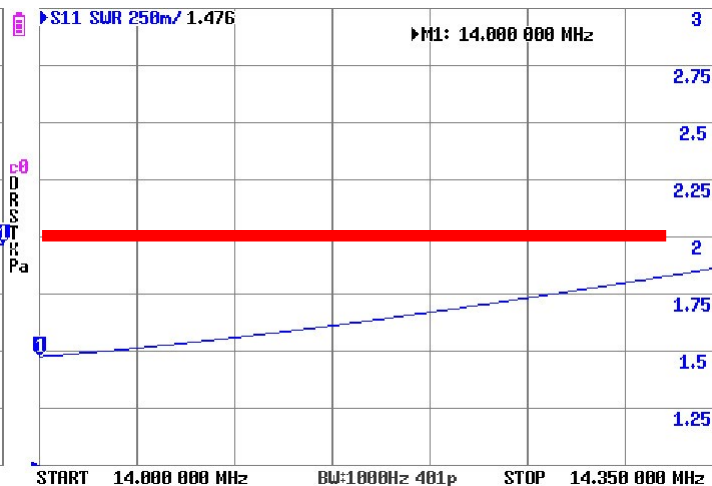
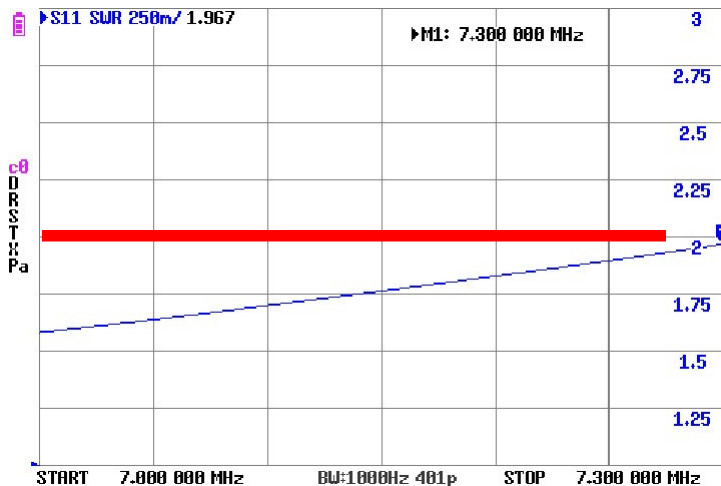
40m EFHW antenna  
Covers 40m, 20m, 15m and  
10m

Tested with 25' of RG8X coax

Vertical with Counterpoise  
And Transformer on the  
ground

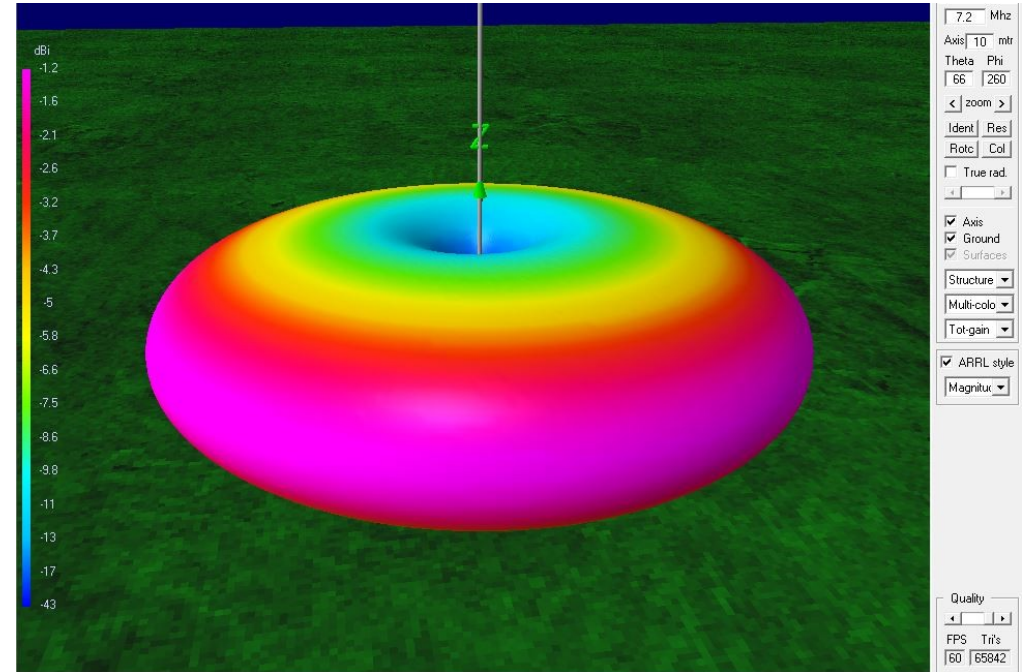
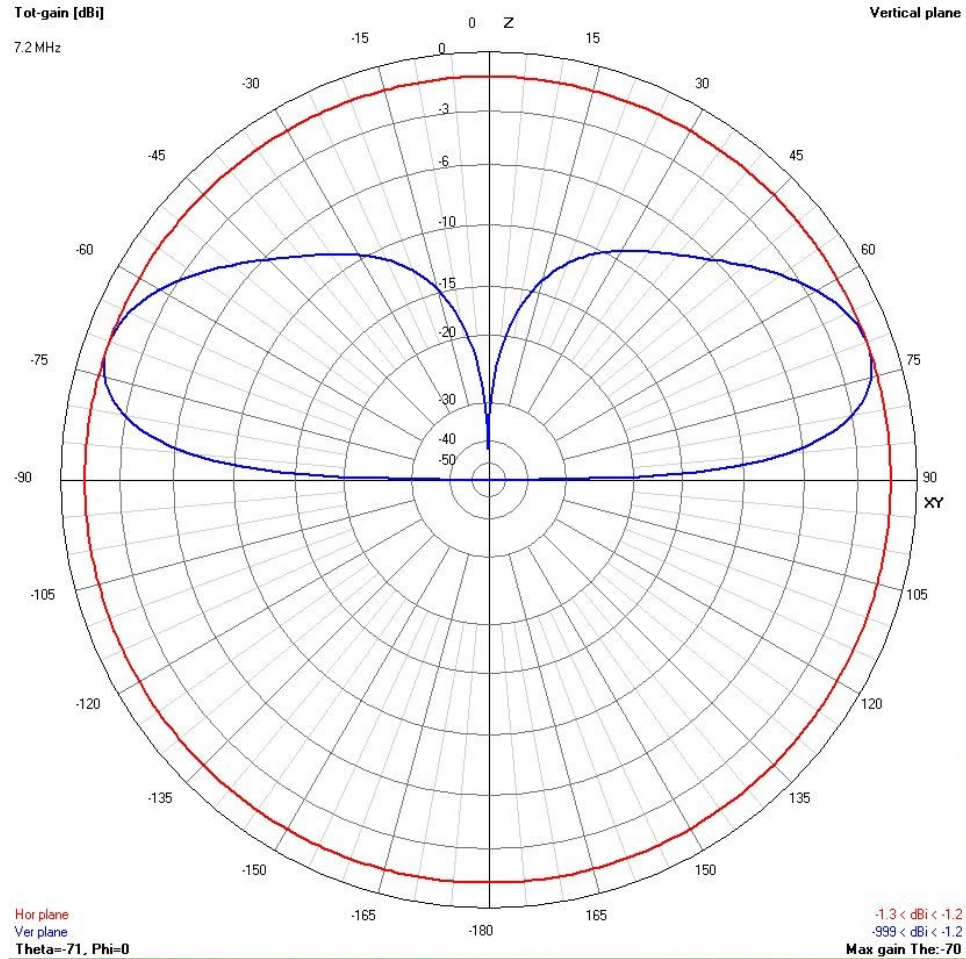


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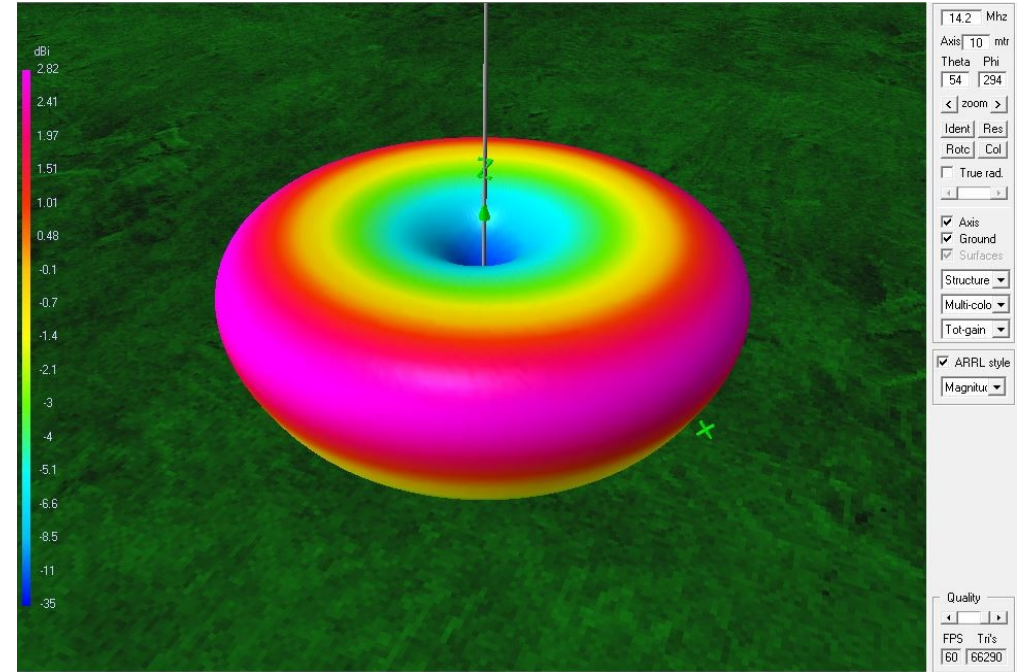
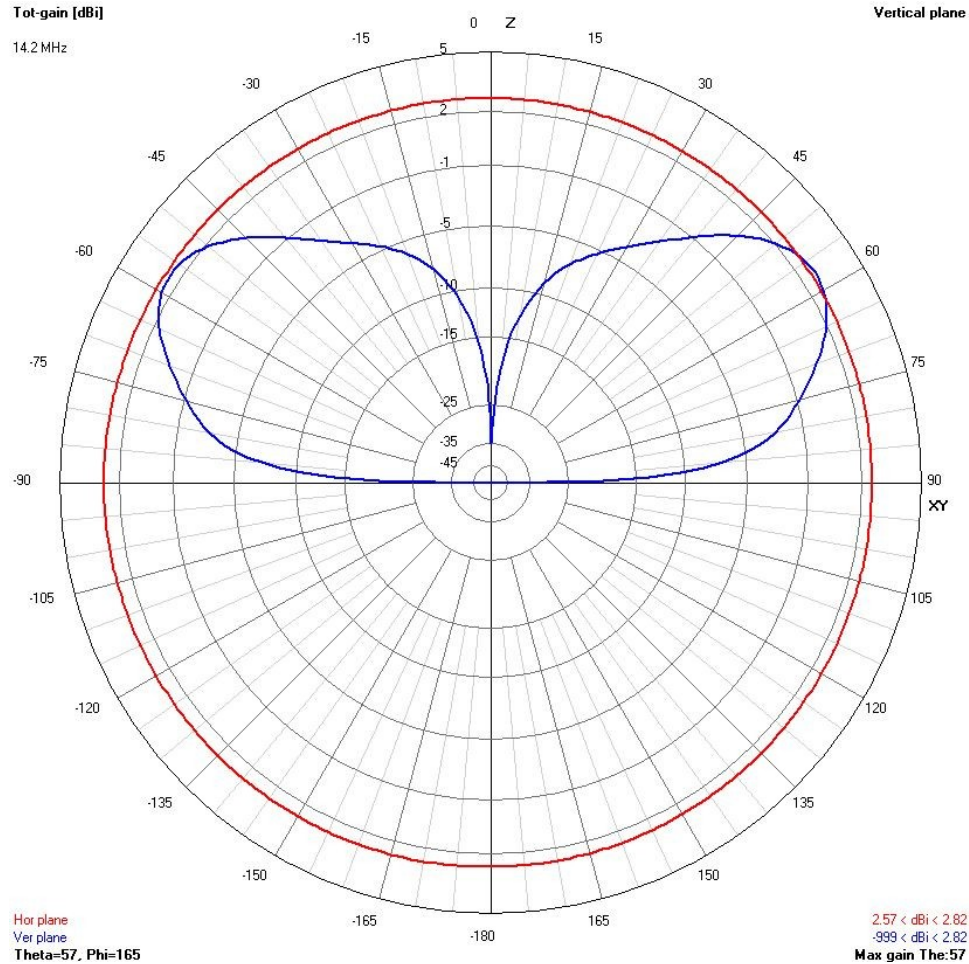
# 40m EFHW Antenna 40m Band Radiation pattern

Vertical with Counterpoise on  
ground

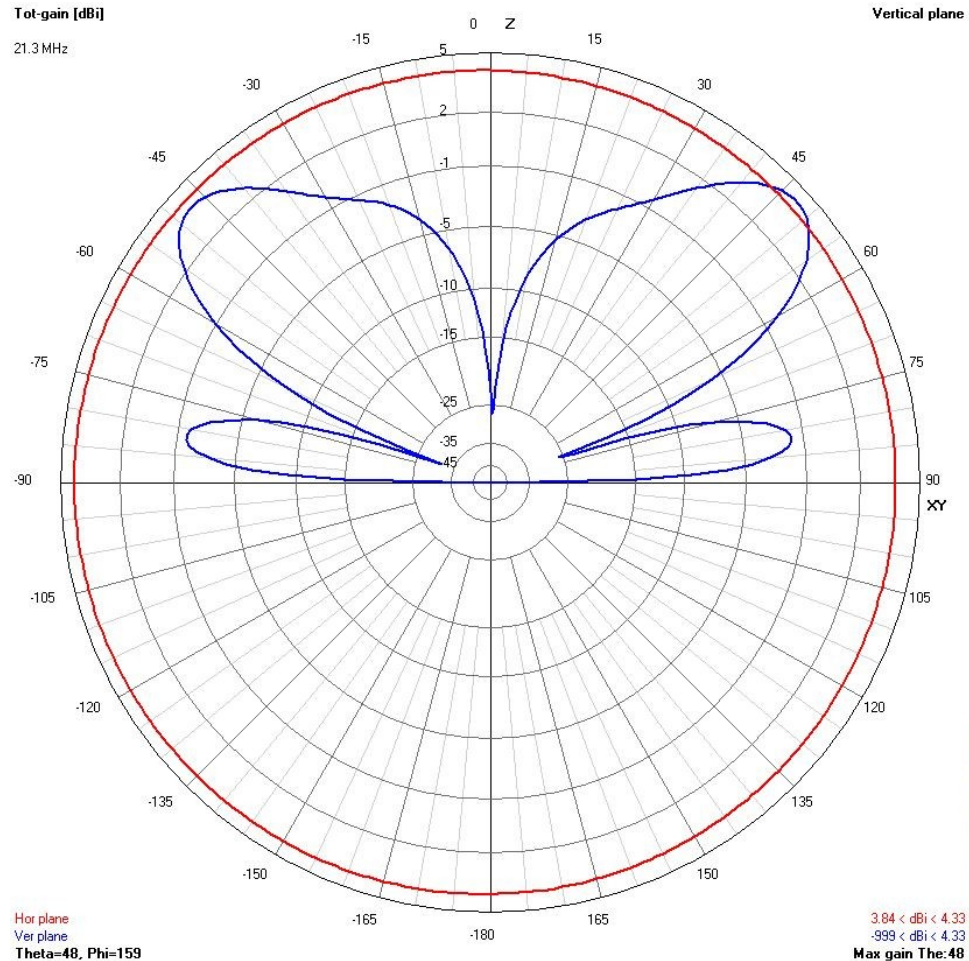


# 40m EFHW Antenna 20m Band Radiation pattern

Vertical with Counterpoise on  
ground

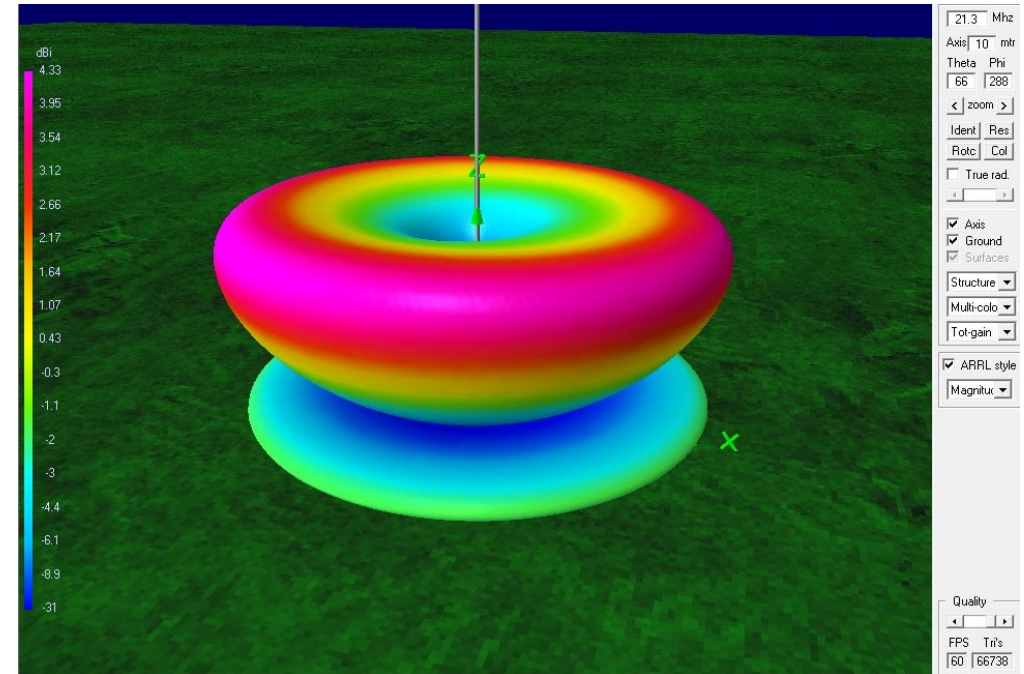






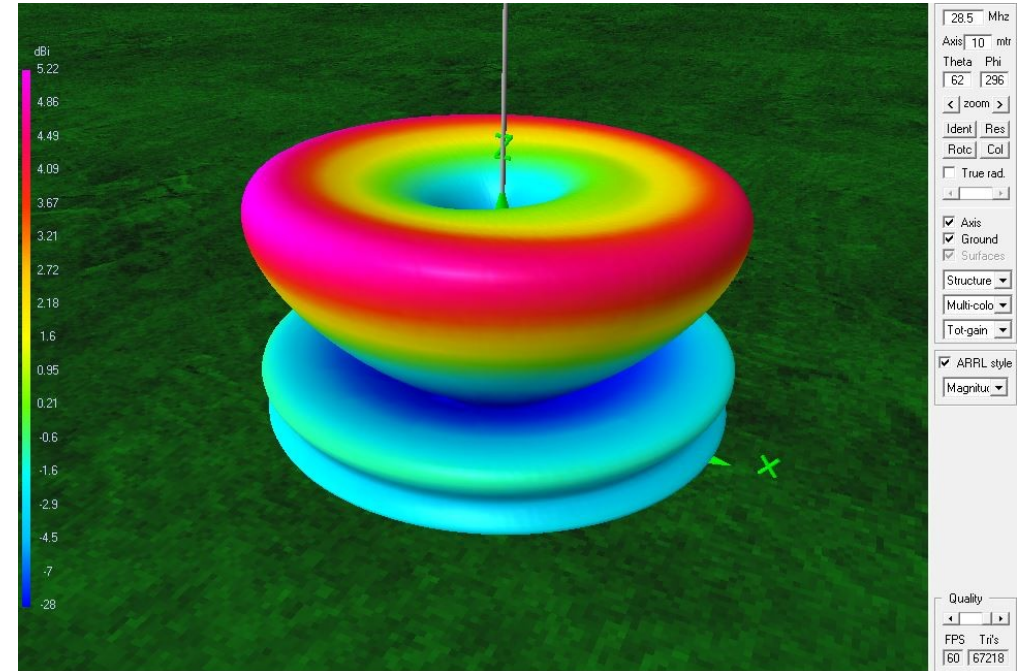
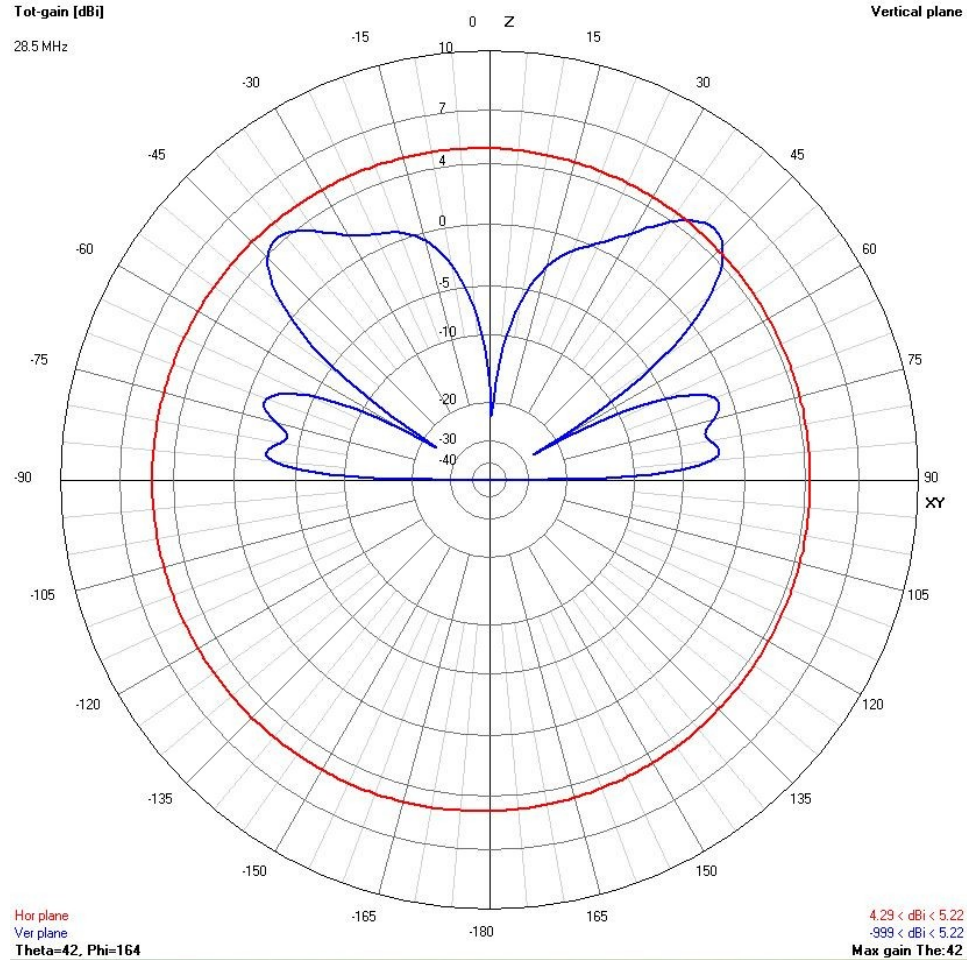
# 40m EFHW Antenna 15m Band Radiation pattern

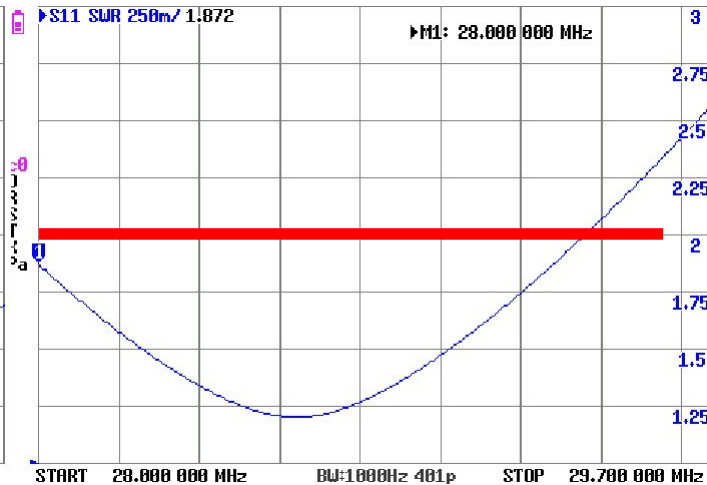
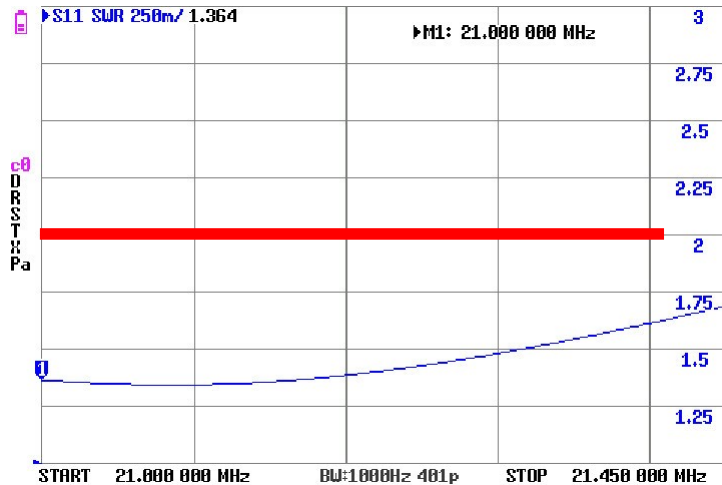
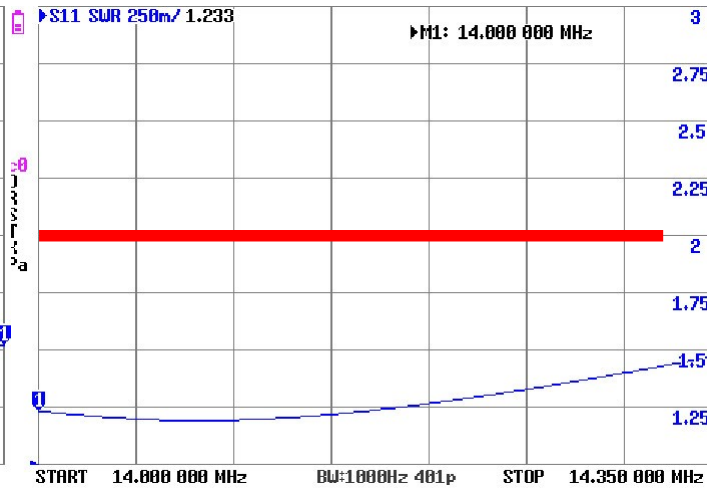
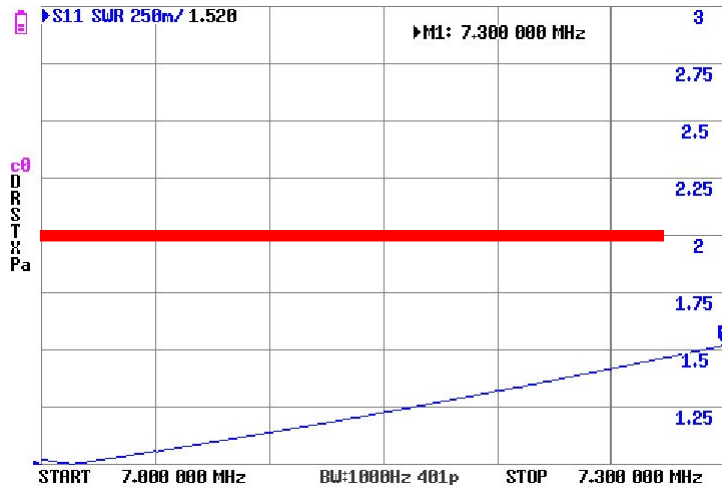
Vertical with Counterpoise on  
ground



# 40m EFHW Antenna 10m Band Radiation pattern

Vertical with Counterpoise on  
ground

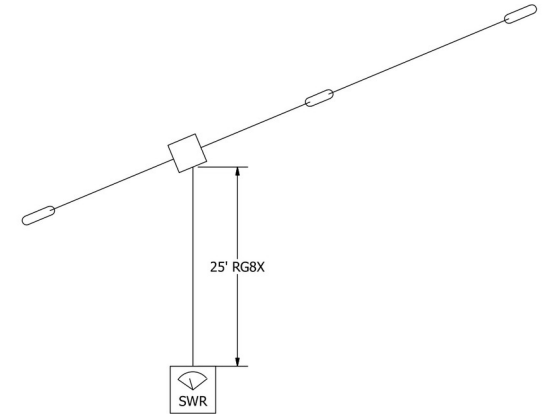




40m EFHW antenna  
Covers 40m, 20m, 15m and  
10m

Tested with 25' of RG8X coax

Slope, Low side at 7'. High  
side at 25'



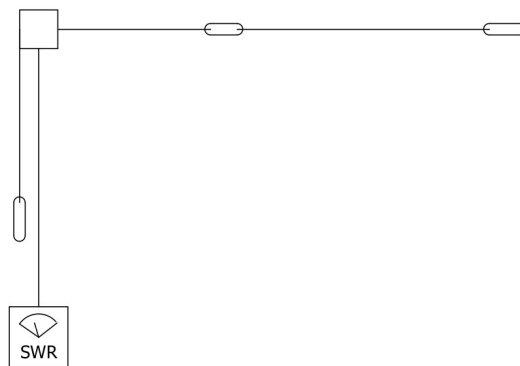
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40m EFHW antenna  
Covers 40m, 20m, 15m and  
10m

Tested with 25' of RG8X coax

Horizontal at 25'  
Counterpoise hanging down



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