

Experimental 8m antenna technical information

EL758294

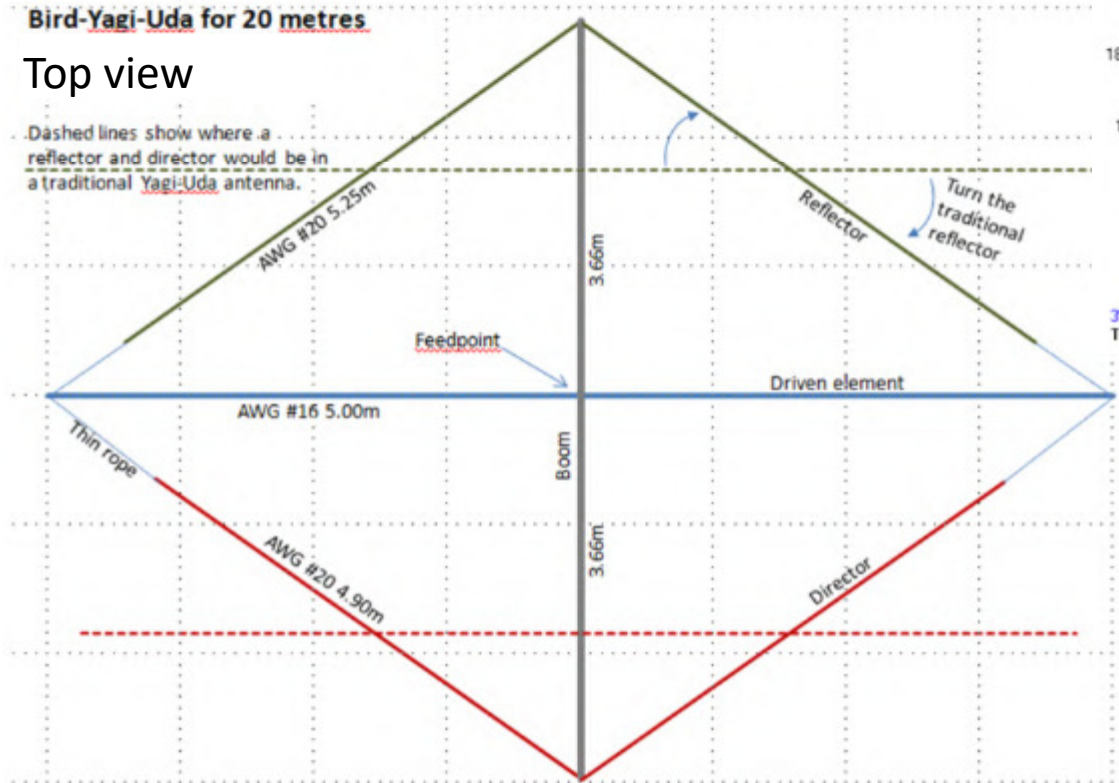
0766-EX-CN-2021

Antenna to be scaled-down version of 20m antenna built earlier:

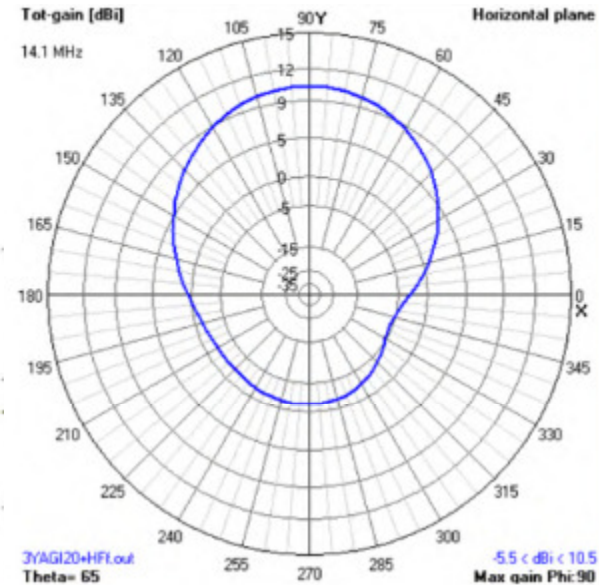
Bird-Yagi-Uda for 20 metres

Top view

Dashed lines show where a reflector and director would be in a traditional Yagi-Uda antenna.



Directional gain model



ERP Calculation Notes

+10.4 dBi from model

-2.15 dBi-->dBd

-2.25 dB 100' RG-8X feedline

6.0 dB net gain

100 W max transmitter output

100 W + 6 dB is 400 W max ERP