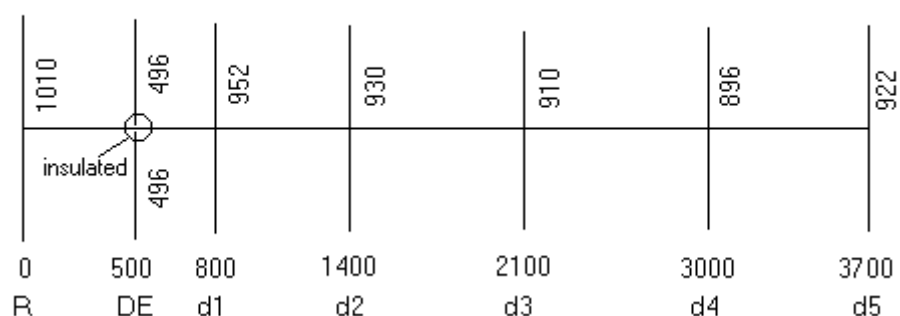


QM7 - seven elements Yagi-Uda Antenna

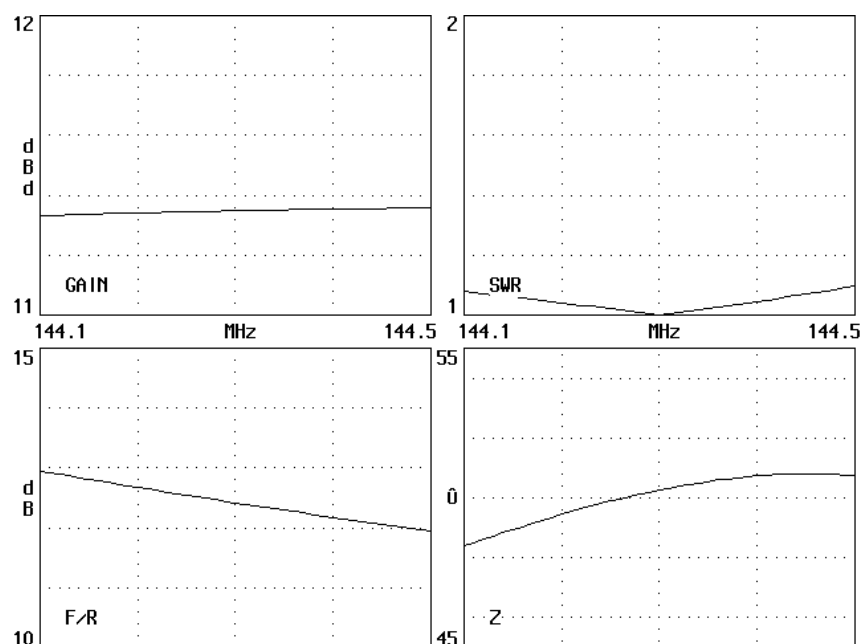


The QM7 antenna is a simple 7 elements Yagi with 3.7 m boom length for the lower 144 MHz SSB/MGM band, I used it mainly for Sporadic-E and MS contacts. It exhibits a forward gain of 11.35 dBd; i.e. 13.5 dB forward gain over the isotropic radiator, while the F/R is about 12.5 dB.

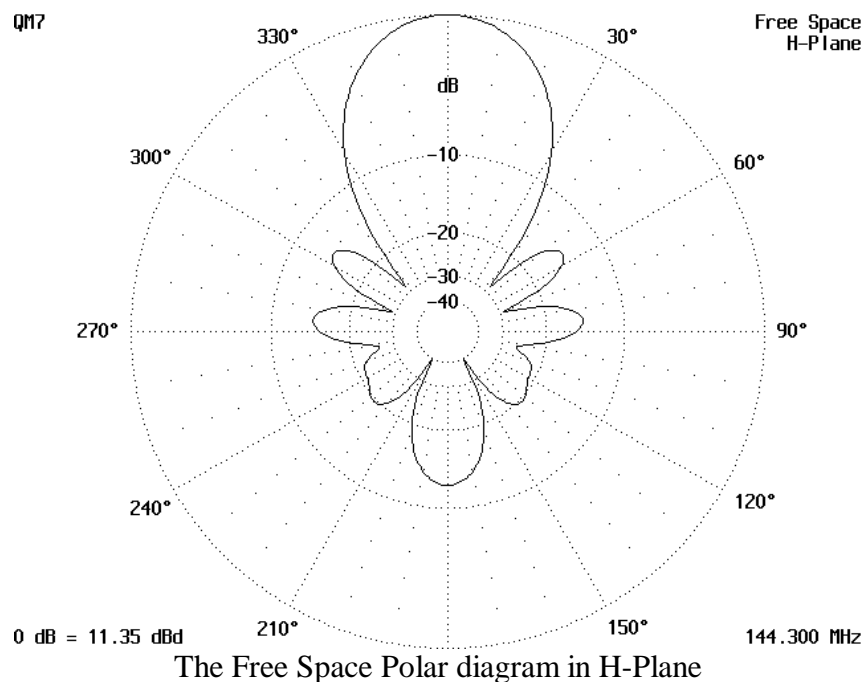
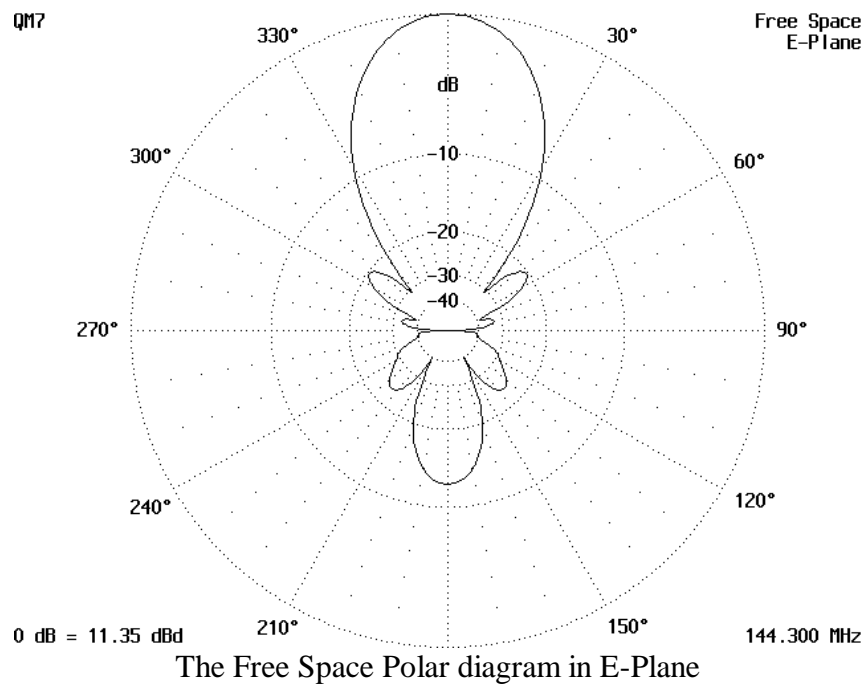
QM7 144 MHz dimension in mm (free space only)



It really matches 50 Ohms impedance, and it is coupled to the 50 Ohms coaxial cable with the use of 1:1 balun.



QM7 - seven elements Yagi-Uda Antenna



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