

Tonna 20505 - 5 Elem F9FT

5 element Yagi antenna
50 / 51 MHz

Effective electrical length: 0.57 Lambda
Isotropic gain: 10.0 dBi
Aperture angle at -3 dB: E plane: 2 x 27.5 °
H plane: 2 x 37.5 °
First side lobe set: E plane: None
H plane: None
Rear protection: -23,8 dB
Stray radiation: E plane : -30 dB
H plane: -18 dB

General data:

Gain bandwidth, at -1 dB: 48 thru 52 MHz
Nominal impedance: 50 W
Match bandwidth at SWR < 1.3/1: 49,9 thru 50,5 MHz
Maximum RF power (SSB, peak): 500 W

Two antenna stacking: recommended distance from center to center of element at 50 MHz, for optimal "gain - side lobe" compromise.

E plane H plane

Electrical distance: 0.93 l Electrical distance: 0.75 l
Physical distance: 5.58 m
(18' 4") Physical distance: 4.50 m
(14' 9")

Physical data

Boom and support leg: Alum. alloy 3005, sq pipe 20.3x20.3, 1mm th.
Element material: Alum. alloy 5049, tubing Ø 14mm, 1mm th.
Assembly hardware and accessories: Alu, galvanized and stainless steel
Connector: Terminal and bracket
Overall length: 3.45 m (11' 4")
Mass: 4.9 kg