



Neotel Yagi Antenna

Yagi Neotel Booster Antenna 824 - 894 MHz

Product code: YAGI-A0019



The Neotel Yagi is a 14 element yagi antenna for use in the 824 - 894 MHz frequency band. The antenna boom, elements and feed-box are moulded with UV stabilized plastic. The design is sturdy and robust to withstand a harsh environment. The antenna is supplied with a 10m FME(f) to TNC(m) extension cable.

Features:

Increases Neotel telephone range dramatically.

Increases Neotel data throughput dramatically.

High gain yagi antenna.

Mast mountable.

Remove EM radiation from your living environment.

Application areas:

Office buildings that are in areas where reception is poor.

The antenna is supplied with mounting brackets for a 25 - 50mm pole.



Specifications:

Product Code:

YAGI-A0019

19cm RG 58 with FME(m) connector
(supplied with a 10m FME(f) to TNC(m) extension cable)

Electrical:

Gain (max) 14 dBi (+-1 dB)
Gain (min over the band) 11 dBi (+-1 dB)
Frequency 824 - 894 MHz
VSWR < 2.5:1
Feed power handling <10 W
E-plane 3 dB beamwidth 24° (± 5°)
H-plane 3 dB beamwidth 60° (± 5°)
Front to back (F/B ratio) 24 dB (± 2 dB)
Nominal input impedance 50 Ohm (nominal)
Polarisation Linear

Environmental:

Wind Loading 160 km/h
Temperature Range - 20° C to +70° C
Shock 40G at 10 msec
Thermal Shock - 20° C to +70° C : 10 cycles
Water Ingress Rating IP65 (NEMA 4X)

Mechanical:

Dimensions (l x w x d) 1170 mm x 255 mm x 220 mm
Weight 700g
Mounting Stainless steel brackets for up to 50 mm poles

VSWR and Gain Pattern:

