



Three Element Yagi Antenna

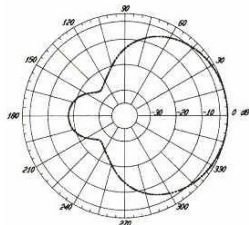
- The Y160/3 yagi antenna is commonly used for point-to-point communication.
- High gain and high front-to-back ratio.
- All metal parts DC grounded.



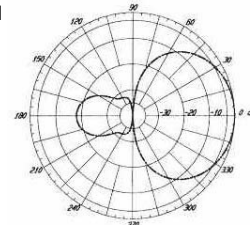
Electrical Data	Y160/3
Frequency Range	138...174 MHz (Tunable within frequency range)
Nominal Gain	7 dBd
VSWR	≤ 1.5:1
Bandwidth VSWR <1.5:1	2%
Polarisation	Vertical or horizontal
H Plane 3dB beamwidth	96°
E Plane 3dB beamwidth	64°
Front-to-back ratio	> 10 dB
Rated power	150 Watts
Impedance	50 Ohms
Termination	N-Type male
Lightning Protection	All metal parts DC Grounded

Mechanical Data	Y160/3
Maximum wind velocity	200 km/h
Windload @ 144 km/h	18.5 kg
Equivalent Flat Plate Area	0.175 m ²
Material	Aluminium with stainless steel bolts and nuts
Mounting	With CO1 plate assembly to support pipes 25 – 50 mm Ø
Largest Dimensions	Boom 1.5 m long, Elements 1.1 m high
Packaged weight / Volume	4.6 kg / 145x 20 x 8 cm

Typical horizontal pattern



Typical vertical pattern



Vertical polarization.
Normalised scale – not gain.

Specification subject to change without notice. Issue 4

