

18 element Yagi 870-960 MHz

DESCRIPTION

An 18-element GSM Yagi antenna with High F/B ratio for fixed link and M2M applications. Produced to the highest quality standards, these robust antenna designs will ensure reliable operation in harsh environmental conditions.

- Former Jaybeam brand product.



SPECIFICATIONS

Electrical	
Frequency	870 - 960 MHz
Max. Input Power	150 W
Polarisation	Linear (Vertical or Horizontal)
3 dB Beamwidth, E-Plane	25 °
3 dB Beamwidth, H-Plane	27 °
Impedance	50 Ω
Gain	15.4 dBi bottom of band; 16.7 dBi mid & top band
VSWR	< 1.3:1
Front-To-Back Ratio	> 20 dB
Cross Polar Discrimination	20 dB
In iBwave	Yes

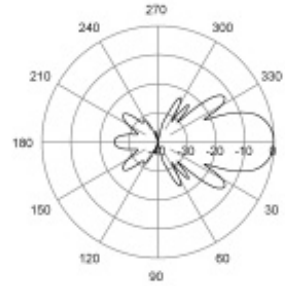
Mechanical	
Radiating Element(s)	PCB skeleton slot and reflector mounted on aluminum cast rear disk
Elements	3/8" aluminum rods grade 6082 T6, BS 1474
Connection(s)	N(f)
Boom Material	1" x 10swg aluminum tube grade 6082-T6
Radome Material / Colour	ABS White
Length	2000 mm / 78.74 in.
Wind Load	182 N (160km/h)
Weight	3.7 kg / 8.16 lb
Mounting Bracket	3202078/68 + 3201079/00 (Ordered Separately)

ORDERING

Model	Product No.	Frequency
18 element Yagi 870-960 MHz	7132900	870 - 960 MHz
Fixed norstel / coupler clamp (cross clamp)	3202078/68	
Increasing sleeve	3201079/00	

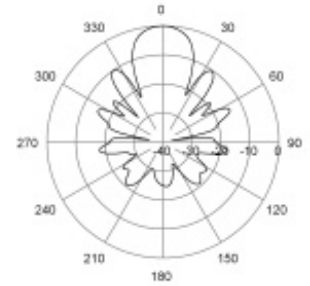
DIAGRAM

RADIATION PATTERNS



E-Plane | 915 MHz

RADIATION PATTERNS



H-Plane | 915 MHz

