

ANW-U
Wide Band Yagis (3 or 8 Element)
300-520MHz



- Rugged Construction**
- Wide Bandwidth**
- Fully Waterproofed**
- Good Front to Back Ratio**
- Stacked & Bayed Arrays**
- MPT 1411 Approved**
- Digital PMR Applications**



Type ANW-U range of wide band rugged directional yagis has been designed for use on frequencies between 300 MHz and 520 MHz. These yagis can be assembled in stacked or bayed arrays for increased gain. For full details refer to Base Station Antennas Application Notes.

ELECTRICAL SPECIFICATIONS	3-Element	8-Element
Frequency Range	300-520 MHz	300-520 MHz
Bandwidth	12%	12%
Gain (Rel. $\lambda/2$ dipole)	5dBd (7.2dBi) typical	10dBd (12.2dBi) typical
VSWR	1.5:1	1.5:1
E-Plane Beamwidth (-3dB) @ Centre Frequency (degrees)	± 34 typical	± 22 typical
H-Plane Beamwidth (-3dB) @ Centre Frequency (degrees)	± 62 typical	± 25 typical
Power Rating	250 watts	250 watts
Impedance	50 ohms	50 ohms
Lightning Protection	DC ground	DC ground
Feeder Tail	1.5m URM67 coaxial cable	1.5 m URM 67 coaxial cable
MECHANICAL SPECIFICATIONS		
Termination	N male (Other Terminations Avail:)	N male (Other Terminations Avail:)
Overall Length	700mm	1900mm
Boom Diameter	38mm O.D	38mm O.D
Dipoles Element Diameter	13mm O.D	13mm O.D
Weight:	0.8Kg	1.8Kg
Rated Wind Velocity	193km/hr	193 km/h
Horizontal Thrust at Rated Wind	26kg	16kg
Mounting	Order Separately. Mounts to a 29-51mm pipe using cross-over/Parallel clamp pt. no. 9637423 or heavy duty cross-over clamp 9637875. Mounts to a 76mm pipe using heavy duty cross-over clamp 9638068	
MATERIALS		
Boom	38mm O.D 14swg(ANW3U)/10swg(ANW8U) polished extruded aluminium	
Dipole & Elements	13mm O.D 16swg polished extruded aluminium	
Dipole Box	UV Stabilised injection moulded polypropylene	
Fasteners	Stainless Steel Nuts & Bolts	

ANW-U

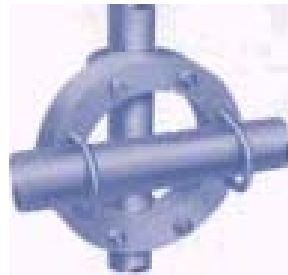
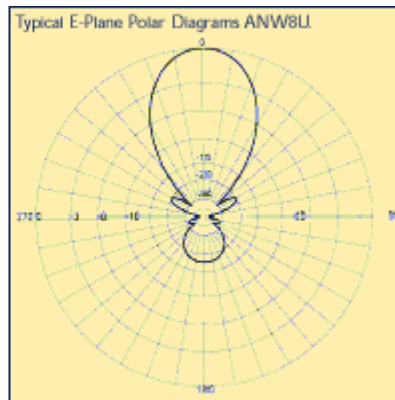
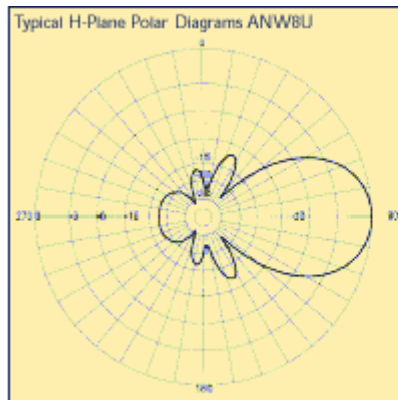
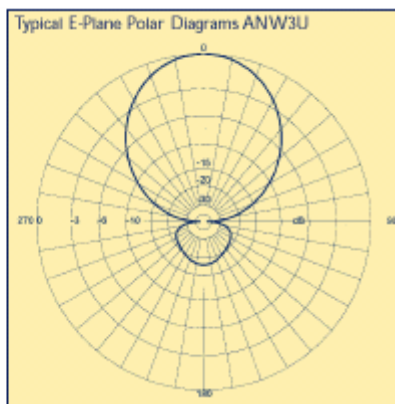
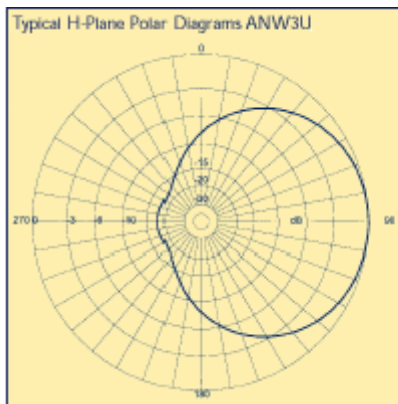
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300-520MHz



Standard Models

FREQUENCY BAND	3-Element	8-Element
300-338 MHz	ANW3U320	ANW8U320
326-367 MHz	ANW3U345	ANW8U345
355-400 MHz	ANW3U380	ANW8U380
380-430 MHz	ANW3U400	ANW8U400
380-435 MHz	ANW3U410	ANW8U410
420-475 MHz	ANW3U440	ANW8U440
460-520 MHz	ANW3U480	ANW8U480



Pt. No. 9637423

Pt. No. 9637875