

Details

1800-1830 MHz

The TA-1830-2 is a 12 dBi omnidirectional antenna consisting of center fed collinear dipoles in a UV stabilized fiberglass radome. The antenna is designed for severe weather conditions and is at DC ground to aid in lightning protection. Due to the very narrow elevation beamwidth, TIL-TEK recommends that this antenna be used on stable platforms and where other options are not practical.

A 2° downtilt inverted antenna option is available which further improves network performance at congested cell towers. Order as TA-1830-2-T2-INV.

Electrical Specifications

Freq Range:	1800-1830 MHz
Gain:	12 dBi
VSWR:	1.5:1 max.
Pol:	vertical
Power:	200 watts
H Plane BW:	360 degrees
E Plane BW:	4 degrees
Electrical Downtilt:	0, 2 degrees
X Pol:	20 dB min.
Imp:	50 ohms nominal
Termination:	N female (7/16 DIN optional)

Mechanical Specifications

Diameter:	2.25 in. (57 mm)
Length:	100.5 in. (2553 mm)
Weight:	20 lb. (9.1 kg)
Rated Wind Vel:	125 mph (200 km/h)
Hor Thrust:	65 lb. (29.5 kg)
Mounting Pipe:	1.75 - 4.0 in. (44.5 - 102 mm)

Material Specifications

Radiating Elements:	Copper
Radome:	Gray UV stabilized fiberglass
Clamps:	HDG steel



Antenna Patterns

