

0.6m (2ft) Ultra high Performance Low Profile antenna Specification

General Specifications



Diameter, nominal, m (ft)	0.6 (2)
Antenna Interface	ExtremeAir Integrated
Antenna Color	Light gray
Radome Color	Light gray
Radome Material Description	Anti-ultraviolet ABS material
Packing	Carton
RoHS 2002/95/EC	Compliant

Electrical Specifications

Antenna Type

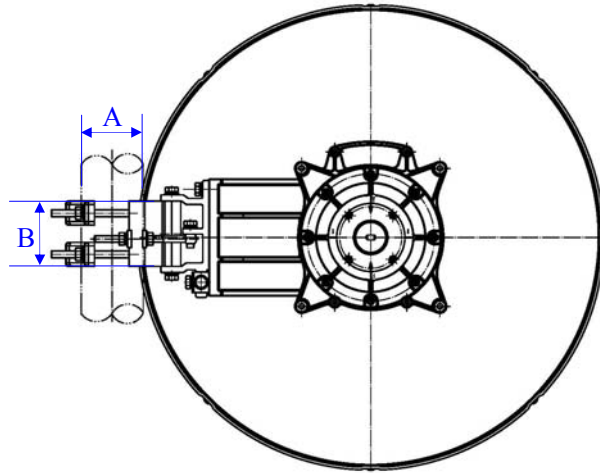
WTC06-240DAR- QOETB

Frequency Band (GHz)	24.05~24.25
Interface	Integrated
Gain (dBi) , Low	40.9
Gain (dBi) , Mid	41.0
Gain (dBi) , High	41.1
3 dB BW (°)	1.4
VSWR	1.30
F/B Ratio (dB)	66
XPD (dB)	30
ETSI Standard	R4, C3

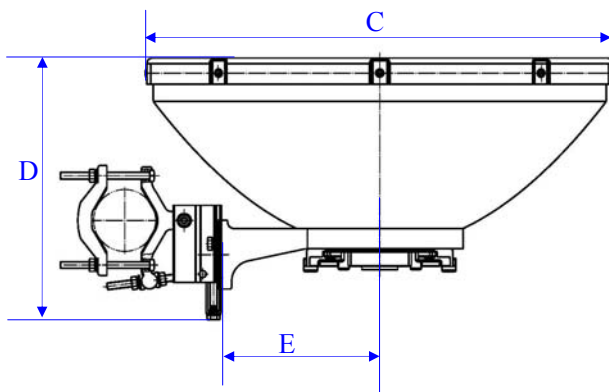
Mechanical Specifications

Wind Velocity Operational, km/h	180
Wind Velocity Survival Rating, km/h	250
Coarse Azimuth, Degree	360
Fine Azimuth Adjustment, Degree	±15
Coarse Elevation, Degree	±10
Fine Elevation Adjustment, Degree	±15
Mounting Pipe Diameter, mm	φ51 ~ φ114
Feeder Watertightness	Watertight
Operation Pressurization, KPa	50
Operation Temperature, °C	-45 ~ +60
StOZTge Temperature, °C	-55 ~ +70
Ice Load, mm	25
Strengthening Rod	NA
Adjustable Rod	NA
Net Weight, kg	11±1
Gross Weight, Packed Antenna, kg	18±2
Packing Length, mm	750
Packing Width, mm	750
Packing Height, mm	440
Packing Volume, m ³	0.248

Outline Dimensions



Antenna Dimensions, mm	
A	$\phi 90(51 \sim \phi 114)$
B	154
C	$\phi 676$
D	393
E	235



Wind Forces

The axial, side and twisting moment forces stated are maximum loads applied to the tower by the antenna at a survival wind speed of 250 km/h (70m/s). They are, in every case, the result of wind from the most critical direction for each parameter. The individual maximums may not occur simultaneously. All forces are referenced to the antenna mounting pipe.

Axial Force (F_A Max.), N	1370
Side Force (F_S Max.), N	670
Twisting Moment (M_T Max.), N•m	530
Angle α for M_T Max, Degree	-10

