

# Broadband Directional Antenna

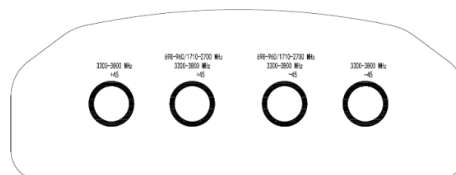
## ANT-253 Technical Sheet



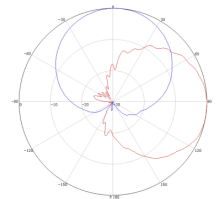
**XXPol 698-3800(include 698-960/1710-2700/3300-3800MHz)/3300~3800MHz 60/60° 6.5/6.5dBi 0°/ 0° fixed tilt**

Electrical specifications	ANT-253			
Port	Port 1 & Port 2			Port 3 & Port 4
Frequency range (MHz)	698-960	1710-2700	3300-3800	3300-3800
Polarization	±45°			
Gain (dBi)	2×6.5	2×6.5	2×6.5	2×6.5
Electrical Downtilt (°)	0			
Half-power beam width (°)	Horizontal:60±10 Vertical:60±10	Horizontal:60±10 Vertical:60±10	Horizontal:60±10 Vertical:60±10	Horizontal:60±10 Vertical:60±10
Front-to-back ratio (dB)	≥23			
Cross-polar discrimination (dB)	≥17(±60°≥8)			
Isolation (dB)	≥23			
Impedance (Ω)	50			
VSWR	≤1.5			
Intermodulation IM3 (2×43dBm carrier)	≤-150dBc			
Maximum power (W)	200			
Lighting protection	DC Ground			

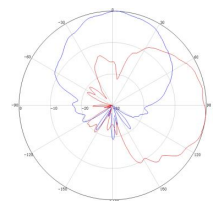
Mechanical specifications	
Connector	4×7-16 DIN Female
Connector position	Bottom
Height/width/depth (mm)	465×385×138
Packing size (mm)	640×460×300
Weight (kg)	4.5
Radome material	UPVC
Radome color	Gray
Mechanical tilt (°)	Horizontal :- 60~60      Vertical: -60~ 20
Operating temperature (°C)	-40~60
Rated wind velocity (Km/H)	150
Suitable pole diameter (mm)	40~160
Mounting kit	Dual Stainless Steel Hose Clamp



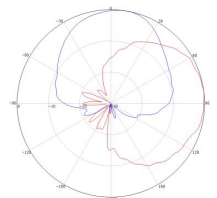
698-960MHz: ±45°Pol.



1710-2700MHz: ±45°Pol.



3300-3800MHz: ±45°Pol.



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