

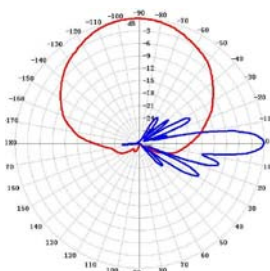
DCS/PCS/UMTS Directional

Adjustable Electrical Downtilt Antenna

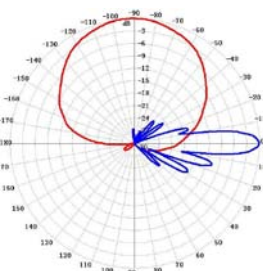
Frequency range	1710—2170MHz
Polarization	X
Gain	16 dBi
Horizontal beamwidth	65°
Adjustable electrical downtilt	0° — 12°

Electrical	Model: CR-DS40X162A12		
Frequency range (MHz)	1710-1880	1880-1920	1920-2170
Polarization (°)	±45		
Gain (dBi)	15.7	16	16.3
Beam width (Horizontal) (°)	68	65	62
Beam width (Vertical) (°)	10	9.5	9
Front-to-back ratio (dB)	≥25		
Cross-polar ratio at 0° (dB)	≥15		
Cross-polar ratio at ±60° (dB)	≥10		
First upper sidelobe level (dB)	≤-16		
Electrical downtilt (°)	0-12		
Impedance (Ω)	50		
VSWR	≤1.4		
Isolation (dB)	≥30		
IM3 (2×20W) (dBm)	≤-107		
Max. power (W)	100		
Lightning Protection	DC grounded		

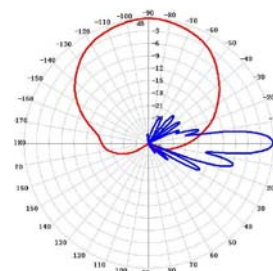
Patterns



1710MHz



1880MHz



2170MHz

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Mechanical

Input	2×7/16 DIN Female
Antenna sizes (L/W/H)(mm)	965×168×90
Packing sizes (L/W/H)(mm)	1150×235×170
Antenna weight (kg)	6.5
Mounting bracket weight (kg)	2
Packing weight (kg)	10
Radome material	FRP
Color (PANTONE)	Gray 2U
Mounting pipe dia. (mm)	50 ~ 110



Environmental

Operating temperature (°C)	-40 ~ +60
RH % (°C)	≤95 (30)
Max. wind velocity (km/h)	210