

CDMA/GSM/DCS/PCS/UMTS Directional

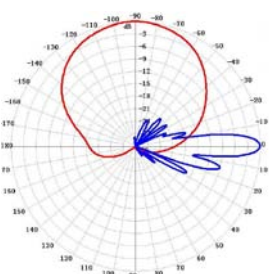
Adjustable Electrical Downtilt Antenna

Frequency range	806—960MHz	1710 —2170MHz	1710—2170MHz
Polarization	X	X	X
Gain	16 dBi	16dBi	16dBi
Horizontal beamwidth	65°	65°	65°
Adjustable electrical downtilt	0° — 10°	0° — 10°	0° — 10°

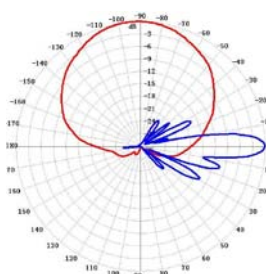
Electrical Model: CR-DT37X77AA10-6

Frequency range (MHz)	806-960	1710-2170	1710-2170
Polarization (°)	±45		
Gain (dBi)	16	16	16
Beam width (Horizontal) (°)	65	65	65
Beam width (Vertical) (°)	10	9.5	9.5
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 (°)	0-10	0-10	0-10
Impedance (Ω)	50		
VSWR	≤1.4		
Isolation (dB)	≥30		
IM3 (2×20W) (dBm)	≤-107		
Max. power (W)	250	100	
Lightning Protection	DC grounded		

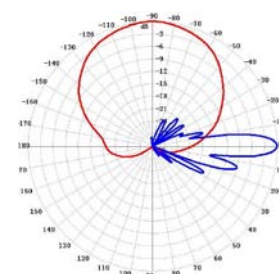
Patterns



960MHz



1710MHz



2170MHz

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Mechanical

Input	6×7/16 DIN Female	
Antenna sizes (L/W/H)(mm)	2055×265×145	
Packing sizes (L/W/H)(mm)	2350×325×230	
Antenna weight (kg)	22	
Mounting bracket weight (kg)	4	
Packing weight (kg)	29	
Radome material	UPVC	FRP
Color (PANTONE)	427U	Gray 2U
Mounting pipe dia. (mm)	50 ~ 110	

Environmental

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

