

# CDMA/GSM/DCS/PCS/UMTS Directional

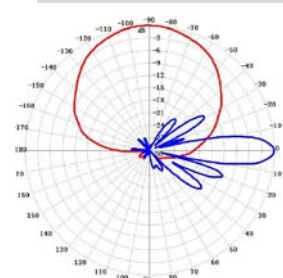
## Adjustable Electrical Downtilt Antenna

Frequency range	806—960MHz	1710 —2170MHz	1710—2170MHz
Polarization	X	X	X
Gain	14. 5dBi	14.5dBi	14.5dBi
Horizontal beamwidth	65 °	65°	65°
Adjustable electrical downtilt	0° — 14°	0° — 14°	0° — 14°

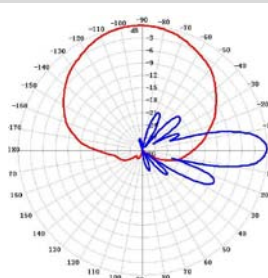
### Electrical Model: CR-DT37X621AA14-6

Frequency range ( MHz )	806-960	1710-2170	1710-2170
Polarization ( ° )	±45		
Gain ( dBi )	14.5	14.5	14.5
Beam width (Horizontal) ( ° )	65	65	65
Beam width (Vertical) ( ° )	14	13	13
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 ( ° )	0-14	0-14	0-14
Impedance ( Ω )	50		
VSWR	≤1.4		
Isolation ( dB )	≥30		
IM3 (2×20W) ( dBm )	≤-107		
Max. power (W)	250	100	
Lightning Protection	DC grounded		

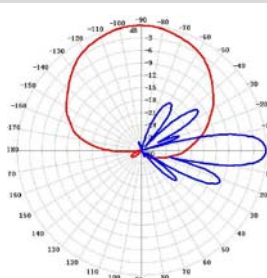
### Patterns



960MHz



1710MHz



2170MHz

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### Mechanical

Input	6×7/16 DIN Female	
Antenna sizes ( L/W/H )( mm )	1490×265×145	
Packing sizes ( L/W/H )( mm )	1785×325×230	
Antenna weight (kg)	17	
Mounting bracket weight (kg)	4	
Packing weight (kg)	23	
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

