

## CDMA/GSM/DCS/PCS/UMTS Directional

Frequency range	806—960MHz	1710—2170MHz
Polarization	X	X
Gain	16.5dBi	18dBi
Horizontal beamwidth	65°	65°
Fixed electrical downtilt	0° /3° /6°	0° /3° /6°

### Electrical Model: CR-DD10X497FXX-2

Frequency range ( MHz )	806-896	880-960	1710-1880	1880-1920	1920-2170
Polarization ( ° )	±45				
Gain ( dBi )	16.5	17	17.5	17.8	18
Beam width (Horizontal) ( ° )	67	63	68	65	60
Beam width (Vertical) ( ° )	10	9	7	6.5	6
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 ( ° )	0/3/6				
Impedance ( Ω )	50				
VSWR	≤1.4				
Isolation ( dB )	≥30				
IM3 (2×20W) ( dBm )	≤-107				
Max. power (W)	500		200		
Lightning Protection	DC grounded				

# CDMA/GSM/DCS/PCS/UMTS Directional

Frequency range	806—960MHz	1710—2170MHz
Polarization	X	X
Gain	16. 5dBi	18dBi
Horizontal beamwidth	65°	65°
Fixed electrical downtilt	0° /3° /6°	0° /3° /6°

## Mechanical

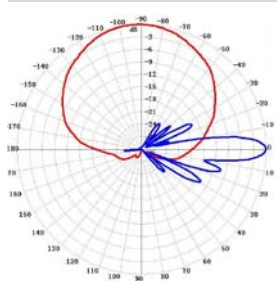
Input	2×7/16 DIN Female	
Antenna sizes ( L/W/H )( mm )	1965×265×145	
Packing sizes ( L/W/H )( mm )	2260×325×230	
Antenna weight (kg)	18	
Mounting bracket weight (kg)	4	
Packing weight (kg)	25	
Radome material	UPVC	FRP
Color ( PANTONE )	427U	Gray 2U
Mounting pipe dia. (mm)	50 ~ 110	



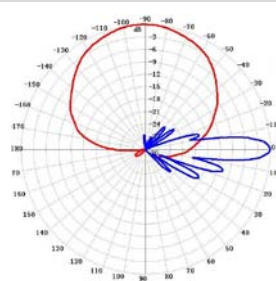
## Environmental

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

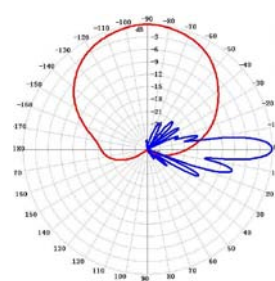
## Patterns



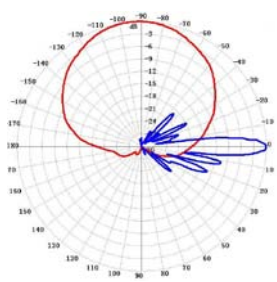
806MHz



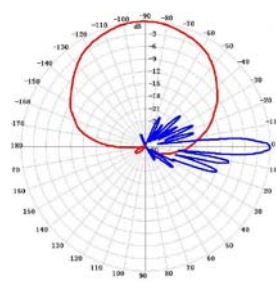
880MHz



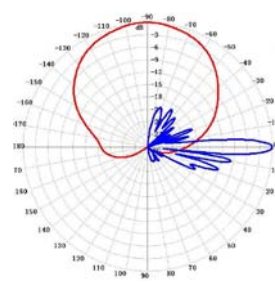
960MHz



1710MHz



1880MHz



2170MHz