

Features and Product Description

- Wide-band design covers DCS1800, PCS1900 and UMTS.
- Low profile and broaden vertical beamwidth suitable for micro-cell coverage
- Polarization diversity design reduces the number of antennas needed per site.
- Designed for low visual impact to eases site acceptance.
- Complete with mounting accessories for mechanical downtilt.



Technical Specifications

Electrical				
Frequency Range	MHz	1710 - 2170		
Gain	dBi	8.1 ± 0.5 (1710-1880MHz)	8.3 ± 0.5 (1850-1990MHz)	8.5 ± 0.5 (1920-2170MHz)
Polarization	deg	± 45		
Beamwidth	deg	63 ± 6 (Vertical), 65 ± 6 (Horizontal)		
Front-To-Back Ratio	dB	> 28		
Cross-polar Discrimination	dB	> 17 (At boresight 0 deg), > 10 (At ± 60 deg)		
Preconfigured Electrical Downtilt	deg	0		
VSWR		≤ 1.4:1		
Isolation Between Ports	dB	> 28		
3rd Order IM @ 2 x 43 dBm	dBc	≤ -150		
Maximum Power Per Port	W	200		
Impedance	Ω	50		
Lightning Protection		Direct Ground		
Mechanical				
Dimensions, H x W x D	mm	160 x 180 x 90		
Weight	kg(lb)	1.7 (3.7)		
Radome Material and Color		Fiberglass, Light Grey, RAL7035		
Reflector Material		Aluminum		
Connector Type and Location		2 x 7/16 DIN-Female, Bottom		
Operational Temperature	°C	-55 to +70		
Operational Humidity	%	≤ 95		
Survival Wind Speed	km/h	200		
Shipping Dimensions, H x W x D	Mm	230 x 230 x 190		
Shipping Weight	kg(lb)	2.4 (5.3)		

Antenna Patterns

Radiation pattern taken at 2045MHz with 0° electrical downtilt

