

Outdoor Directional Panel Antenna

ODP-065R12B14K



Features and Product Description

- Dual band and dual polarized design for CDMA800/GSM900 and DCS1800/PCS1900/UMTS.
- Polarization diversity reduces number of antennas per site.
- High isolation between bands.
- Optional with two connectors version – built-in diplexer.

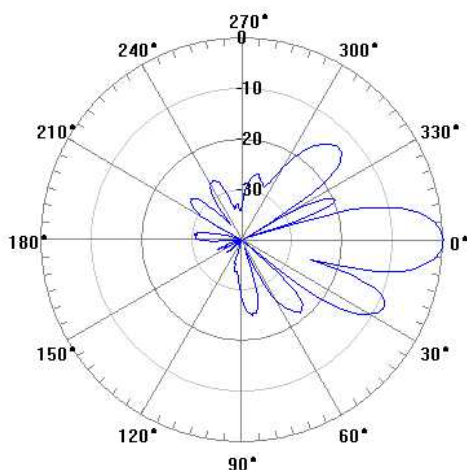


Technical Specifications

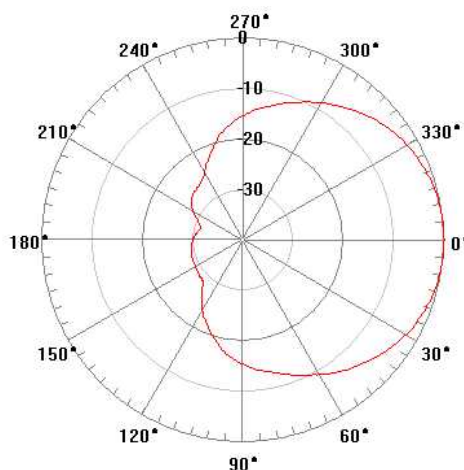
Electrical							
Frequency Range		MHz	806-960		1710-2170		
			806-896	880-960	1710-1880	1850-1990	1920-2170
Gain		dBi	12	12.3	14.5	14.1	14.7
Polarization		deg	± 45				
Beamwidth	Vertical	deg	33	30	15	14	13
	Horizontal		65				
Front-To-Back Ratio		dB	> 25				
Cross-polar Discrimination		dB	> 17 (At boresight 0 deg) > 10 (± 60°)				
Preconfigured Electrical Downtilt		deg	0/0				
VSWR			≤ 1.5:1 (typ. ≤ 1.4)				
Isolation Between Ports/Bands		dB	> 29 / > 40				
3rd Order IM @ 2 x 43 dBm		dBc	≤ -150				
Maximum Power Per Port		W	250		100		
Impedance		Ω	50				
Lightning Protection			Direct Ground				
Mechanical							
Dimensions, H x W x D		mm	660 x 265 x 141				
Weight		kg(lb)	9 (19.8)				
Radome Material and Color			Fiberglass, Light Grey, RAL7035				
Mount (Kit)			SJA-B-12R(25)				
Reflector Material			Aluminum				
Connector Type and Location			2 or 4 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	800 x 335 x 225				
Shipping Weight		ka(lb)	13.5 (29.8)				

Antenna Patterns

Radiation patterns taken at 1850MHz with 0° electrical downtilt



Vertical Pattern



Horizontal Pattern