

Outdoor Directional Panel Antenna

ODP-090R17KV

XPol, 1710-2170MHz, 90°, 16.7dBi

Comba



Technical Specifications

Electrical

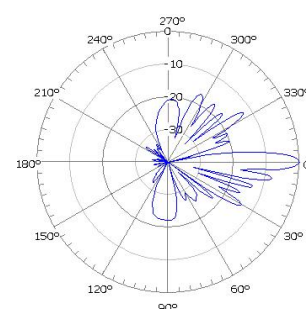
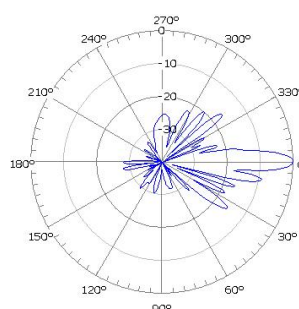
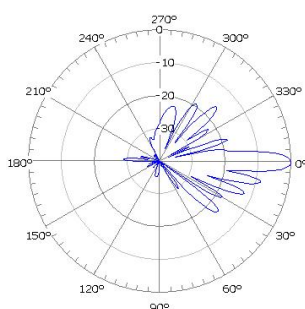
Frequency Range	MHz	1710-1850	1850-1990	1990-2170
Polarization		± 45		
Gain	dBi	16.3	16.5	16.7
Horizontal Beamwidth	deg	90		
Vertical Beamwidth	deg	6.8		
Electrical Downtilt Range	deg	0-8		
First Upper Sidelobe Suppression	dB	> 18(0°), >15(4°), > 13(8°)		
Null Fill	dB	< 22		
Front-To-Back Ratio	dB	> 28		
VSWR		≤ 1.5:1		
Isolation Between Ports	dB	> 30		
Cross-polar Discrimination @ 0°	dB	> 17		
3rd Order Intermodulation @ 2x43 dBm	dBc	< -150		
Maximum Power Per Port	W	100		
Impedance	Ω	50		
Lightning Protection		Direct Ground		

Mechanical

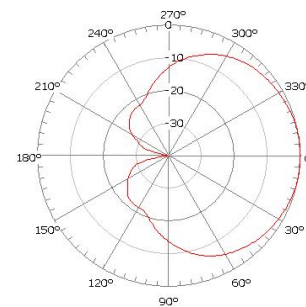
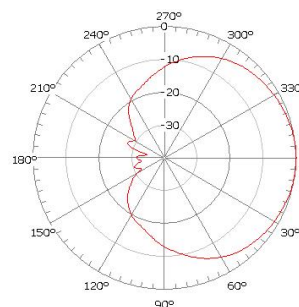
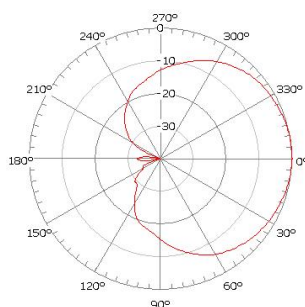
Dimensions, HxWxD	mm (in)	1310x173x81 (51.5x6.8x3.2)
Weight, without Mounting kit	kg (lb)	11.7 (25.8)
Weight, with Mounting kit	kg (lb)	17.2 (37.9)
Radome Material and Color		Fiberglass, Light Grey, RAL7035
Mounting Kit		SJA-B-14C(10)
Reflector Material		Aluminum
Radiating Element Material		Zinc Composite
Connector Type and Location		2 x 7/16 DIN-Female, Bottom
Operational Temperature	°C	-55 to +70
Operational Humidity	%	≤ 95
Operational Wind Speed	km/h (mph)	200 (124.3)
Shipping Dimensions, HxWxD	mm (in)	1435x230x210 (56.5x9.1x8.3)
Shipping Weight	kg (lb)	19.2 (42.3)

Antenna Pattern

Vertical pattern



Horizontal pattern



1710MHz @ 0°

1920MHz @ 0°

2170MHz @ 0°