

Outdoor Directional Tri-band Antenna

ODV-065R15B17K17K XXXPol, 806-960/1710-2170/1710-2170MHz, 65°, 15.0/17.0/17.0dBi



Technical Specifications

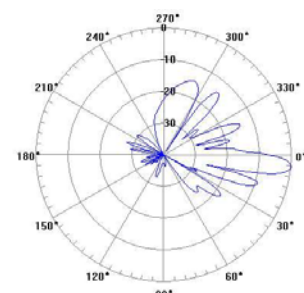
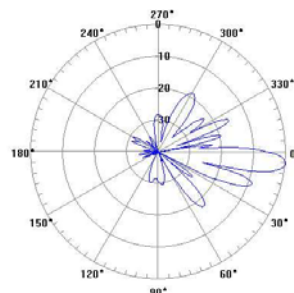
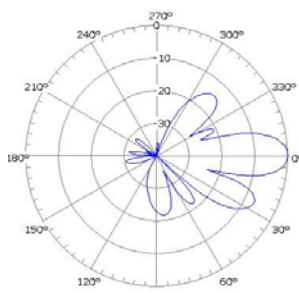
Electrical						
Frequency Range	MHz	806-896	870-960	1710-1880	1850-1990	1920-2170
Polarization	deg	± 45		± 45 Quad		
Gain	dBi	14.5	15.0	16.1	16.5	17.0
Horizontal Beamwidth	deg	65		67	65	63
Vertical Beamwidth	deg	12.5		8.0	7.5	7.0
Electrical Downtilt Range	deg	0-14		0-10 / 0-10		
First Upper Sidelobe Suppression	dB	≥15		≥15		
Front-To-Back Ratio	dB	> 25 (typ. >28)				
VSWR		≤ 1.5:1				
Isolation Between Ports	dB	>28				
Isolation Between Bands	dB	> 40				
Cross-polar Discrimination @ 0°	dB	> 17				
3 rd Order Intermodulation @ 2x43 dBm	dBc	< -150				
Maximum Power per Port	W	400		250		
Impedance	Ω	50				
Lightning Protection		Direct Ground				

Mechanical		
Dimensions, HxWxD	mm (in)	1315x335x145 (51.8x13.2x5.6)
Weight, without Mounting Kit	kg (lb)	25 (55.1)
Weight, with Mounting Kit	kg (lb)	30 (66.1)
Radome Material and Color		UV Resistant PVC, Light Grey, RAL7035
Mounting Kit		SJA-B-12R
Reflector Material		Aluminum
Radiating Element Material		Zinc Composite
Connector Type and Location		6 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)	1540x445x312 (60.6x17.5x12.3)
Shipping Weight	kg (lb)	33 (72.7)

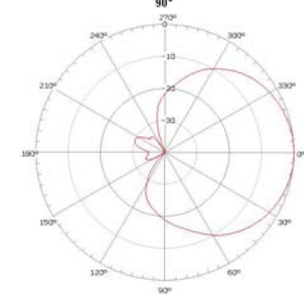
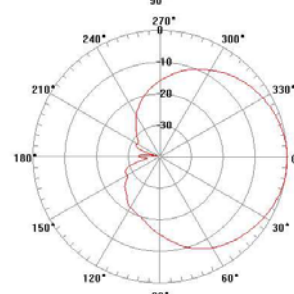
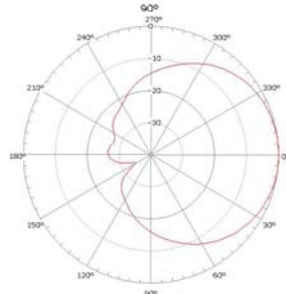


Antenna Pattern

Vertical pattern



Horizontal pattern



900MHz @ 0°

1795MHz @ 6°

2170MHz @ 6°