

Band	698 - 960 / 1695 - 2690 / 3300 - 4200 / 5150 - 5925
Polarization	XX / XXXX / XX / X
Half-power Beam Width	360°

Model: DKORDWQKDP-3785F [Quasi-Omni Antenna] Rev. 0C

* This antenna meets the FCC testing requirements for UNII-1 band for gain and upper side-lobe performance.
Compliance to 789033 D02 General U-NII Test Procedures New Rules v01404.

Electrical Specifications

Operating Frequency Band [MHz]	698 - 960 x2			1695 - 2690 x4				
Frequency Range [MHz]	698 - 806	806 - 896	896 - 960	1695 - 1880	1880 - 2180	2180 - 2400	2400 - 2690	
Polarization [degrees]	±45° x2			±45° x4				
Gain [dBi]	2.7	2.7	3	7.5	7.5	7.5	8	
Horizontal Beam Width [degrees]	360	360	360	360	360	360	360	
Vertical Beam Width [degrees]	80	80	65	22	21	18	16	
Electrical Downtilt [degrees]	0(Fixed)			0(Fixed)				
VSWR	≤ 1.5			≤ 1.5				
Isolation	Cross Polar [dB]	≥ 20			≥ 20			
	Inter Band [dB]	≥ 20			≥ 20			
3rd Order PIM@2x43dBm [dBc]	≤ -153			≤ -153				
Maximum Input Power / Per Port	100W			100W				
Impedance	50Ω			50Ω				
Lightning Protection	DC Ground			DC Ground				

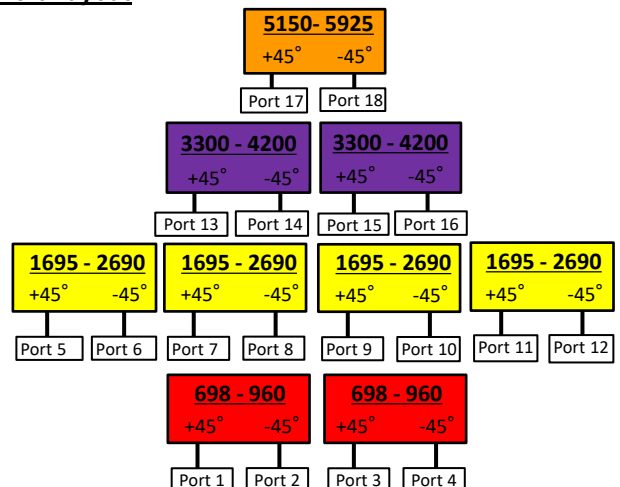
Operating Frequency Band [MHz]	3300 - 4200 x2		5150 - 5925 x1
Frequency Range [MHz]	3300 - 3800	3800 - 4200	5150 - 5925
Polarization [degrees]	±45° x2		±45°
Gain [dBi]	7.5	8	5
Horizontal Beam Width [degrees]	360	360	360
Vertical Beam Width [degrees]	22	19	22
Electrical Downtilt [degrees]	0 (Fixed)		0 (Fixed)
VSWR	≤ 1.5		≤ 1.5
Isolation	Cross Polar [dB]	≥ 20	
	Inter Band [dB]	≥ 20	
3rd Order PIM@2x43dBm [dBc]	N/A		N/A
Maximum Input Power / Per Port	50W		10W
Impedance	50Ω		50Ω
Lightning Protection	DC Ground		DC Ground



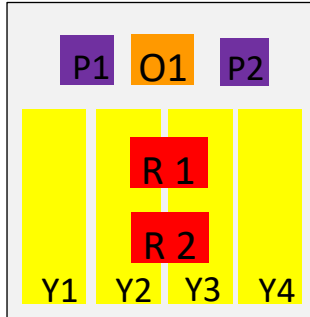
Mechanical Specifications

Radome Material	Fiberglass
Connector Type	4.3-10 Female x18
Operating Temperature Range	-40 - +149°F
Operating Humidity	0 - 95%RH
Enclosure Protection	IP55
RF Connector Protection	IP67
Wind Load	338N @93.3MPH
Wind Velocity	150MPH
Weight	41.9lbs
Dimension (Length x Diameter)	25.99 x φ15.75 inch

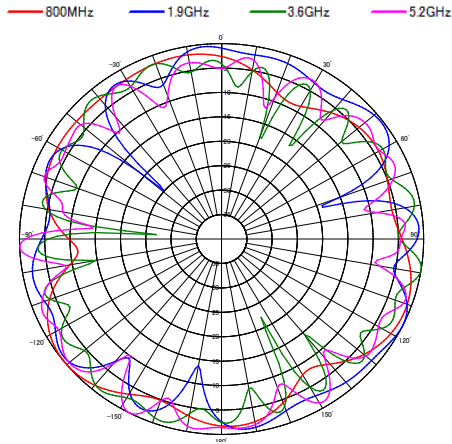
Port Layout



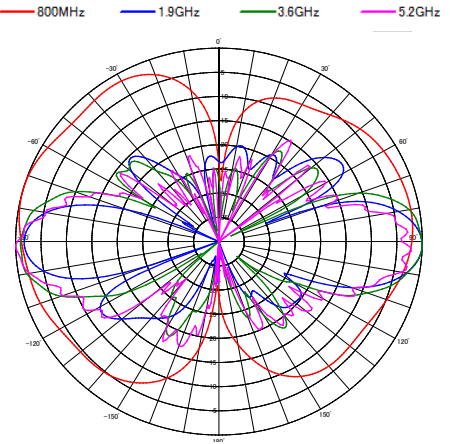
Antenna Array Configurations



Horizontal Plane



Vertical Plane



Additional Technical Information

