

Frequency Range	617-894 x2 1695-2400x2
Polarization	±45°
Half-Power Beam Width	65°
Electrical Downtilt	0°x4

Type OCT2-2LX2HX-BW65

Base Station Antenna

8-ports 617-894 /617-894 /1695-2400 /1695-2400 MHz 65°, 10.5 / 10.5 / 15 / 15 dBi, 0° / 0° / 0° / 0°Tilt Antenna

Electrical Specifications

Frequency Range(MHz)		2x 617-894			2x1695-2400		
		617-698	698-824	824-894	1695-1920	1920-2180	2300-2400
Polarization		±45°					
Horizontal 3dB Beamwidth(°)		74	71	65	69	65	58
Vertical 3dB Beamwidth(°)		40	37	34	15	13.5	11.5
Gain (dBi)		9.5	10	10.5	14	14.5	15
Electrical Downtilt		0°			0°		
Upper Sidelobe Suppression(dB)	First	≥10	≥10	≥10	≥16	≥16	≥16
Front-to-Back Ratio Total Power, ±30° (dB)		≥22	≥22	≥23	≥23	≥25	≥25
Cross polar ratio	Main direction(dB)	≥17	≥17	≥17	≥17	≥17	≥17
	±60° (dB)	≥7	≥7	≥7	≥7	≥7	≥7
Isolation ports		≥25 dB					
Isolation Frequency		≥30 dB					
VSWR		< 1.5					
Intermodulation IM3		< -150 dBc(2x43dBm carrier)					
Impedance		50 Ω					
Max. Power per Input (at 50°C ambient temperature)		500 W			300 W		
Lightning Protection		DC Ground					

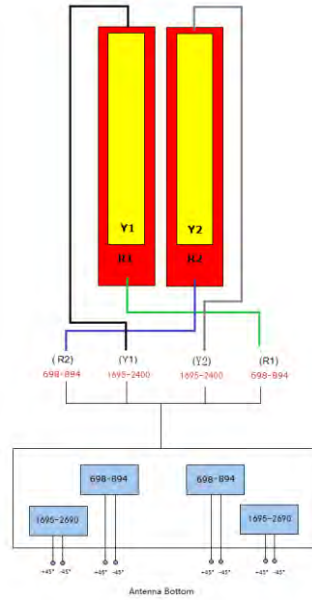


Mechanical Specifications

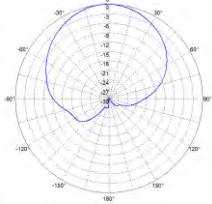
Redome Material	ASA
Connector Type and Location	4.3-10x8 ,Bottom
Dimensions,HxWxD(mm)/(inches)	600x499x180/23.6x19.6x7.1
Packing Size(mm)/(inches)	945x599x310/37.2x23.6x12.2
Weight ,w/o Mounting kit(kg)/(lbs)	11.5/25.3
Weight,with Mounting kit(kg)/(lbs)	15.5/34.1
Packing Weight(kg)/(lbs)	20.5/45.1
Max. Wind Velocity(mph)	150
Mounting hardware	ϕ 50 mm ~ ϕ 115 mm
Operational Temperature(°C)	-40 to +65
Operational Humidity(%)	<95
Wind Load at 100mph (Frontal/lateral/Rearside(N))	346/77/249

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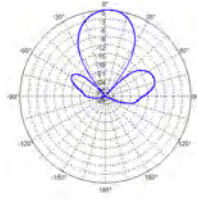
COMPREHENSIVE TILT CONFIGURATION



Radiation Pattern (617 - 824 MHz)

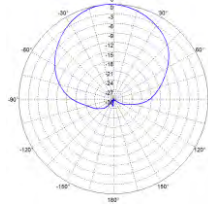


Horizontal Pattern

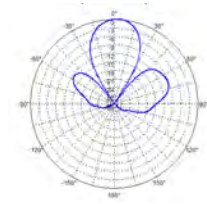


Vertical Pattern

Radiation Patterns (824 - 894 MHz)

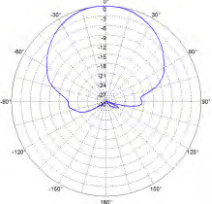


Horizontal Pattern

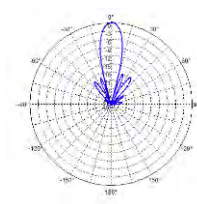


Vertical Pattern

Radiation Pattern (1695 - 1920 MHz)

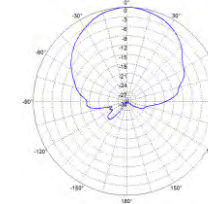


Horizontal Pattern

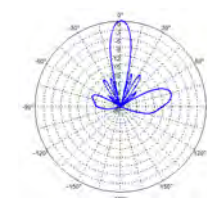


Vertical Pattern

Radiation Patterns (1920 - 2180 MHz)

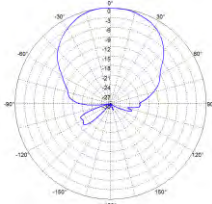


Horizontal Pattern

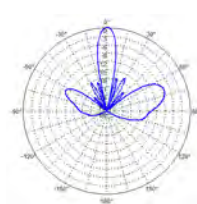


Vertical Pattern

Radiation Pattern (2300 - 2400 MHz)



Horizontal Pattern



Vertical Pattern