ePMP 5 GHz ACCESS POINT ANTENNAS

Description

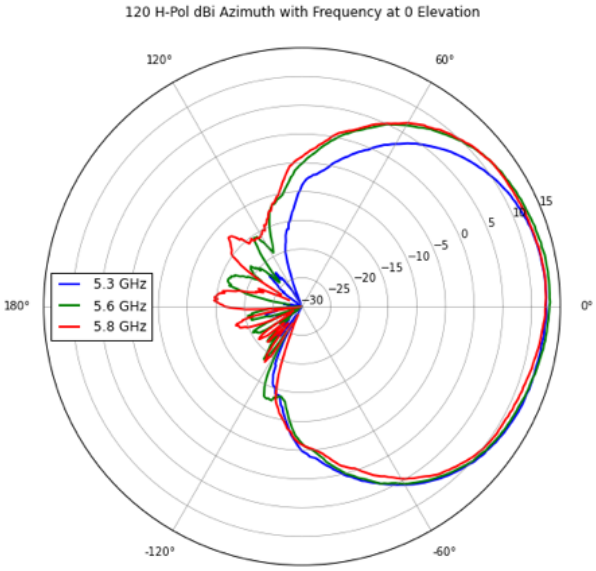
The 5 GHz ePMP GPS Synchronized Radio is connectorized to allow network operators the ability to select the antenna that best meets the needs of their specific application. These antennas were specifically designed for use with the ePMP platform, and deliver optimized performance including maximized spectral efficiency and easy installation.

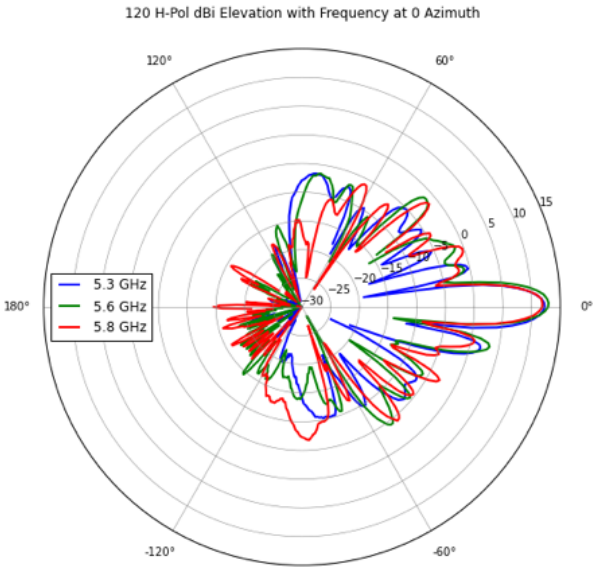
The following detailed information is useful in understanding antenna performance.

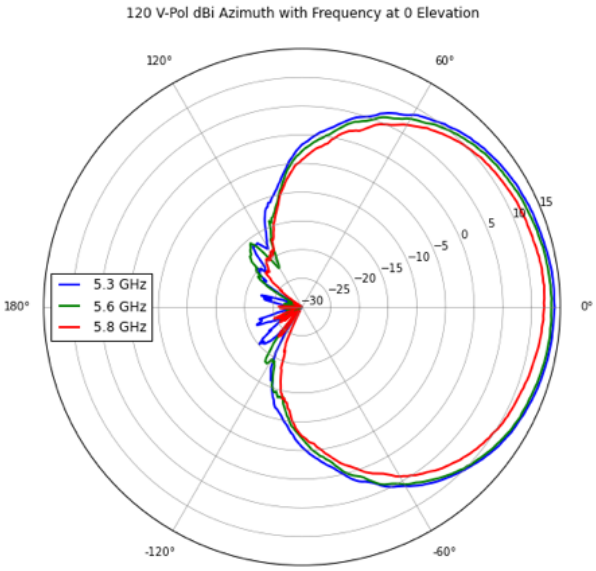
Specification Table

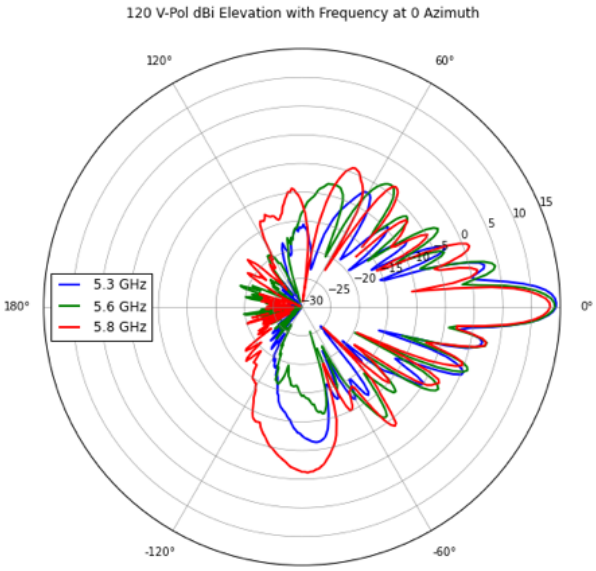
Specifications	C050900D003A 90 Degree Sector	C050900D002A 120 Degree Sector
Frequency Range	5150 – 5875 MHz	
Antenna Type	Access Point Sector	
Gain	15 dBi	14 dBi
VSWR	1.6:1 max	1.7:1 max
Port To Port Isolation	25 dB	
6dB Beamwidth-Azimuth	90°	120°
3dB Beamwidth-Azimuth	65°	90°
3dB Beamwidth-Elevation	8°	12°
Polarization	Dual Linear, Horizontal / Vertical	
Maximum Input Power	5 W	
Input Impedance	50 Ohms	
Front-to-Back Ratio	>32 dB	
Cross Polarization	>18 dB	
Mechanical Size (mm)	827h x 161w x 59d (excl AP & bracket) 827h x 161w x 231d (incl AP & bracket)	
Antenna Weight	3.1 kg (6.8 lb), w/o bracket kit	
Mounted Ant Weight (w/ AP)	5.5 kg (12.1 lb)	
Antenna Connector	2 x male RP-SMA	
Wind Survival	190 km/h (118 mph)	
Wind Loading (@216 km/h)	Front: 318 N (72 lbf)	
	Side: 160 N (36 lbf)	
Pole Mounting Hardware	Quick Release, 1.5” to 4.5” Dia. Pole	
Mechanical Downtilt	-3° to 12°	

C050900D002A: 120 Degree Sector Antenna









C050900D003A: 90 Degree Sector Antenna