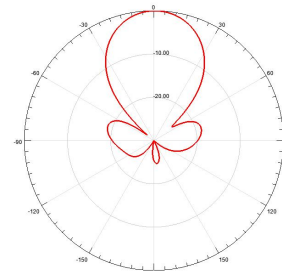


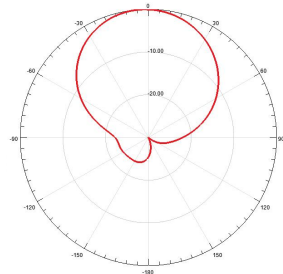
High-rise 900/1800-D dual-band 3-port vertical wide angle antenna

Electrical Specifications

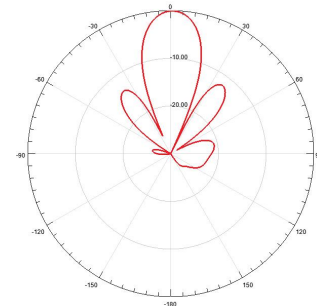
Product Name	High-rise 900/1800-D dual-band 3-port vertical wide angle antenna
Frequency (MHz)	885 ~ 960, 1710 ~ 1830, 1885 ~ 1915, 2010 ~ 2025, 2320 ~ 2370, 2515 ~ 2675
Number of Port	3
Gain (dBi)	≥9.5, ≥11, ≥12, ≥12, ≥12, ≥12
Horizontal Beam Pointing(°)	0°
Horizontal 3dB Beam width (°)	[15,40],[15,40],[15,40],[15,40],[10,40],[10,40]
Horizontal 3dB cross-polarization ratio (dB)	/, ≥8, ≥8, ≥8, ≥8, ≥8
Vertical 3dB Beam width (°)	≥54°
Vertical 3dB cross-polarization ratio (dB)	/, ≥8, ≥8, ≥8, ≥8, ≥8
VSWR	≤1.5
Isolation(dB)	≥25
Power Rating (W)	≥50
Front to Back Ratio (dB)	≥20
Polarization (°)	V, ±45, ±45, ±45, ±45, ±45
Intermodulation IM3 (dBm, 2×37dBm)	≤-100, ≤-100, /, /, /, /
Second-order reflection intermodulation dBm (2×37dBm)	≤-100, /, /, /, /, /
Input Impedance (Ω)	50Ω



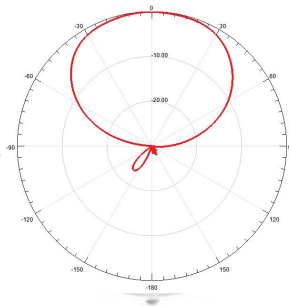
H-plane



V-plane



H-plane



V-plane

Patterns

Mechanical Specifications

Antenna Dimension (mm)	430×425×145
Packaging Dimension (mm)	520×465×185
Net Weight (Kg)	3.5
Connector	3*N-Female
Rated Wind Velocity (m/s)	PP
Operating Temperature (°C)	55
Operating Humidity	-40~+55



Schematic diagram of antenna