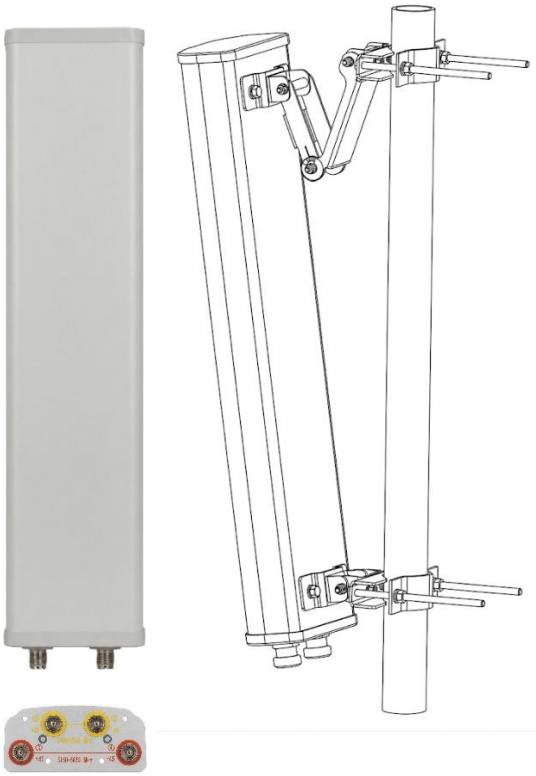
Dual-Band 14dBi N-Female Sector Antenna

Data Sheet | SD.AN-DS214-KB

Electrical Specifications

• Frequency Range	2400 ~ 2500 MHz	5150 ~ 5850 MHz
• Antenna Gain	14.5 dBi	14.3 dBi
• Polarization	±45°	±45°
• Horizontal Beamwidth	110° (-3 dB)	110° (-3 dB)
• Vertical Beamwidth	9° (-3 dB)	9° (-3 dB)
• Electrical Tilt	0°	0°
• Front-to-Back Ratio	18 dB (Min.)	18 dB (Min.)
• Cross-Polarization Ratio	15 dB (Min.)	15 dB (Min.)
• VSWR	1.5 (Max.)	2.0 (Max.)
• Isolation	25 dB (Min.)	23 dB (Min.)
• Impedance	50 Ω	50 Ω
• Power Handling	150 W (Max.)	50 W (Max.)
• Lightning Protection	DC Ground	



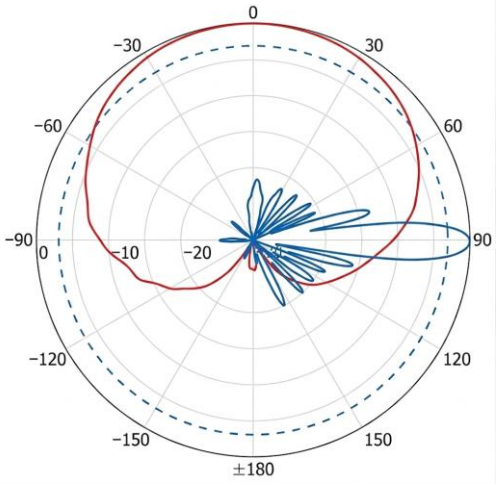
Physical Specifications

• Dimensions	1160 x 128 x 56 mm
• Weight	4.5 kg
• Radome Material	UPVC
• Radome Color	Gray
• Connector	4 x N-Type Female
• Installation	Pole Mount (Pole Diameter Ø35 ~ Ø76 mm)
• Tilting Angle	0 ~ 15°

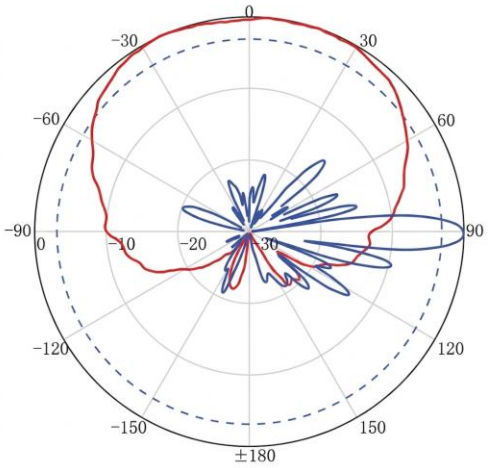
Environmental Specifications

• Operating Temperature	-40°C ~ +60°C
• Humidity	Up to 95 % (Non-Condensing)
• Wind Loading	216 km/hr (134 mph)
• Weatherproof	IP65 Compliant

Radiation Patterns



2400 ~ 2500 MHz



5150 ~ 5850 MHz

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Product Ordering Information

Standard Package	
Part No.: SD.AN-DS214-KB	• Dual-band 14 dBi Sector Antenna with N-Female Connectors
Optional Accessories	
Part No.: SD.CA-SM01-00	• 1-Meter RP-SMA Male to N-Male RF Cable
Contact Us	
• Email: sales@altaitechnologies.com or info@altaitechnologies.com	

DS-ANDS214KB-260911-V1.2

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