

5 GHz 22 dBi Panel Antenna

Data Sheet | SD.AN-5P22-KB

ALTAI
Super WiFi

Electrical Specifications

• Frequency Range	4.900 ~ 6.100 GHz
• Antenna Gain	20.5 dBi @ 4.900 ~ 5.150 GHz 22.0 dBi @ 5.150 ~ 5.500 GHz 22.64 dBi @ 5.500 ~ 6.100 GHz
• Polarization	Vertical & Horizontal, or ±45° Polarized by Antenna Rotation
• Horizontal Beamwidth	12° (-3 dB) @ 4.900 ~ 5.150 GHz 11° (-3 dB) @ 5.150 ~ 5.500 GHz 10° (-3 dB) @ 5.500 ~ 6.100 GHz
• Vertical Beamwidth	12° (-3 dB) @ 4.900 ~ 5.150 GHz 11° (-3 dB) @ 5.150 ~ 5.500 GHz 10° (-3 dB) @ 5.500 ~ 6.100 GHz
• Electrical Tilt	0°
• VSWR	2 (Max.)
• Front-to-Back Ratio	28 dB (Min.)
• Isolation	28 dB (Min.)
• Impedance	50 Ω
• Power Handling	50 W (Max.)
• Lightning Protection	DC Ground

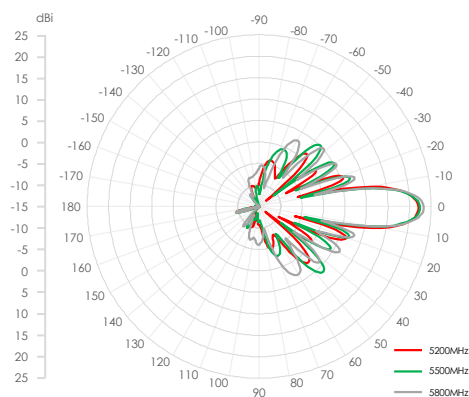
Physical Specifications

• Dimensions	315 x 315 x 15 mm
• Weight	1 Kg (without Mounting Bracket)
• Radome Color	White/Gray
• Radome Material	ABS, UV Resistant
• Connector	2 x N-Type Female
• Installation	Pole Mount (Ø30 ~ 65 mm)
• Mechanical Tilt	-20° ~ +20° (V/H Polarized) -22° ~ +27° (±45° Polarized)

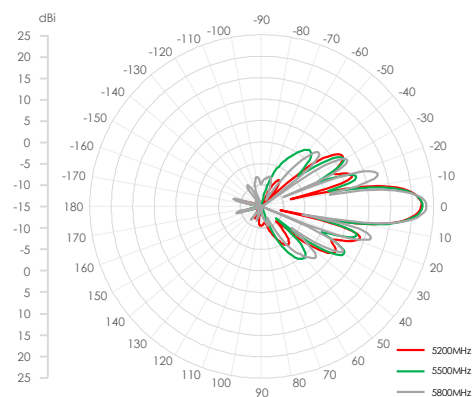
Environmental Specifications

• Operating Temperature	-40 °C ~ +75 °C
• Wind Loading	216 km/hr (134 mph)
• Weatherproof	IP57 Compliant

Radiation Patterns



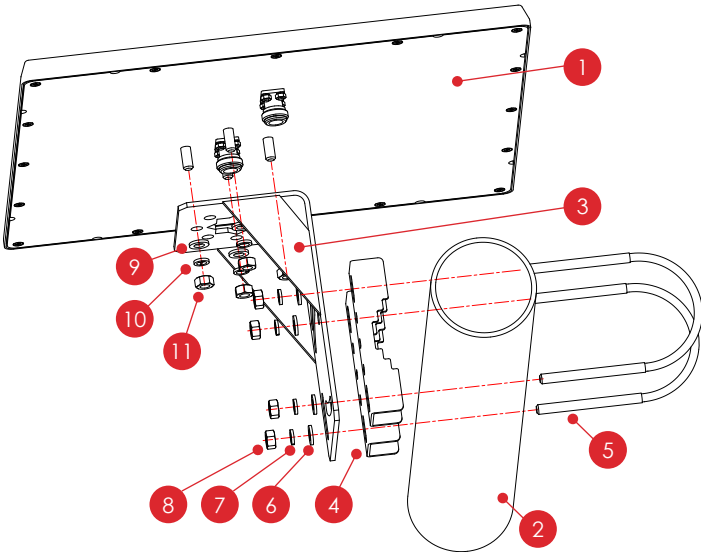
Azimuth Plane



Elevation Plane

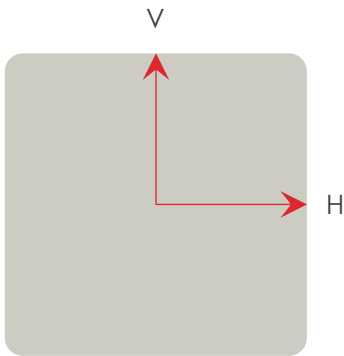
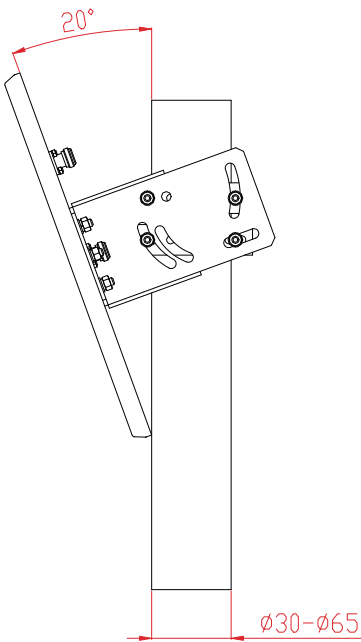
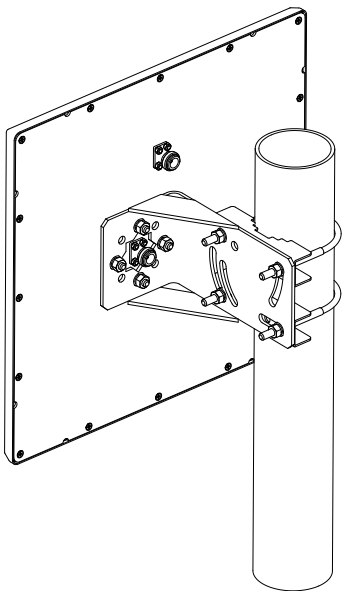


Installation

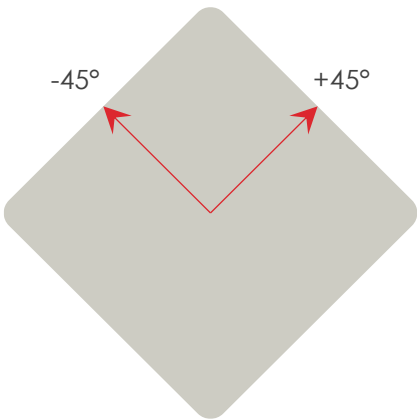


1	Antenna	1 pc
2	Pole* (Ø30 ~ 65 mm)	1 pc
3	L-Shaped Bracket	1 pcs
4	Clamp	2 pcs
5	U-Bolt	2 pcs
6	M6 Flat Washer (for U-bolt)	4 pcs
7	M6 Spring Washer (for U-bolt)	4 pcs
8	M6 Nut (for U-bolt)	4 pcs
9	M6 Flat Washer (for Antenna)	4 pcs
10	M6 Spring Washer (for Antenna)	4 pcs
11	M6 Nut (for Antenna)	4 pcs

* The pole is shown for an illustration purpose only. It is not included in the package.



Vertical/Horizontal Polarization Alignment



±45° Polarization Alignment

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Product Ordering Information	
Standard Package	
Part No.: SD.AN-5P22-KB	• 5 GHz 22 dBi Panel Antenna • Pole Mount Accessories
Optional Accessories	
Part No.: SD.CA-RF02-00	• 2-Meter N-Male to N-Male RF Cable
Part No.: SD.CA-RF02-LS-00	• 2-Meter N-Male to N-Male LSZH RF Cable
Part No.: SD.CG-0002-WS	• 3-Meter N-Male to N-Male LSZH RF Cable with Pre-Fabricated Explosion-Proof Cable Gland
Part No.: SD.CA-SM01-00	• 1-Meter RP-SMA Male to N-Male RF Cable
Part No.: SD.CG-0001-WS	• 2-Meter RP-SMA Male to N-Male RF Cable with Pre-Fabricated Explosion-Proof Cable Gland
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	

AN5P22-PB-241010

The information contained herein is subject to change without prior notice.