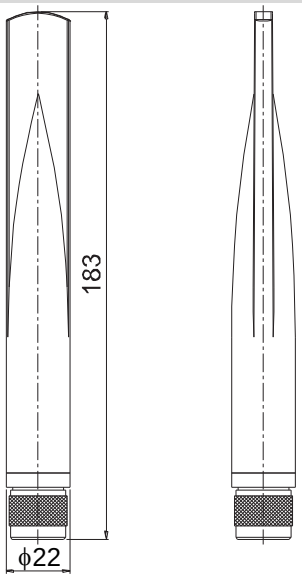
Dual-band 5/7 dBi Omni Antenna

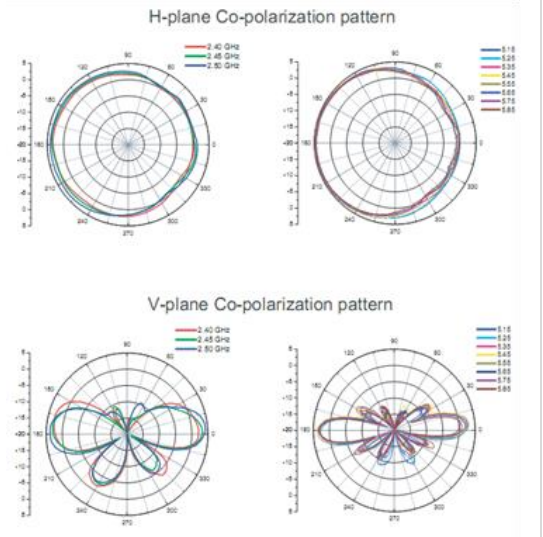
Specifications

Electrical		
Frequency Range	2.4 – 2.5 GHz	5.15 – 5.875 GHz
Gain	4.5 dBi (Peak)	7.0 dBi (Peak)
Polarization	Linear, Vertical	
Horizontal Beamwidth	360° (-3 dB)	
Vertical Beamwidth	30° (-3 dB)	15° (-3 dB)
VSWR	2.0 (Max.)	
Impedance	50 Ω	
Power Handling	2 W (cw)	
Environmental		
Temperature	-40 °C to +80 °C	
Humidity	95% at 55°C	
Wind Loading	216 km/hr (Survival)	
Mechanical		
Radome Material	ABS	
Radome Color	Grey	
Weight	70 g	
Dimensions	Ø22 x 183 mm	
Connector	N-male	

Dimensions Diagram



Antenna Patterns



Ordering Information
Part Number: GE.AN-OM05-DB
Dual-band 2.4 and 5 GHz 5/7 dBi Omni Antenna - N-male Connector

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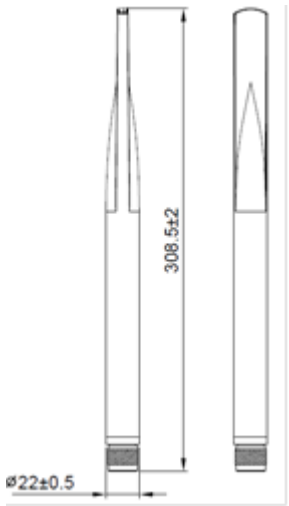
Dual-band 8 dBi Omni Antenna

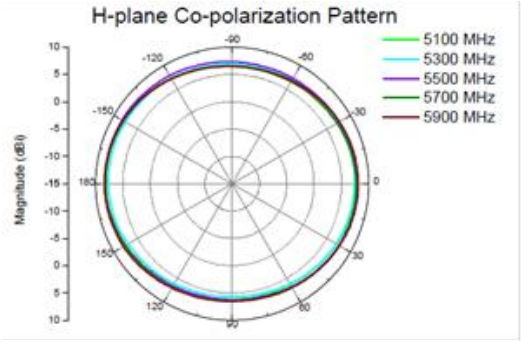
Specifications

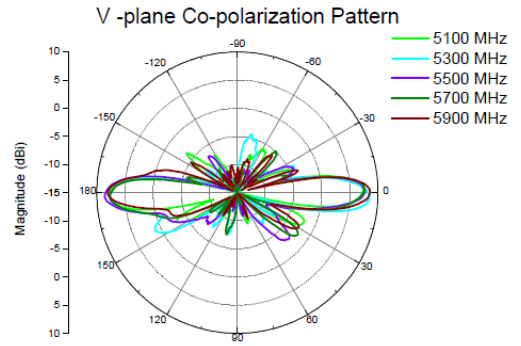
Electrical	
Frequency Range	5.100 – 5.875 GHz
Gain	8±1 dBi
Polarization	Linear, Vertical
Horizontal Beamwidth	360°
Vertical Beamwidth	12° (-3 dB)
Side Lobes Level	-8 dB (Max.)
VSWR	2.0 (Max.)
Impedance	50 Ω
Power Handling	2 W (cw)
Lightning Protection	DC Ground
Environmental	
Temperature	-40 °C to +80 °C
Humidity	95% at 55°C
Wind Loading	216 km/hr (Survival)
Waterproof	IP67
Mechanical	
Radome Material	ABS, UV Resistant
Radome Color	Grey
Weight	97 g
Dimensions	Ø22 x 308.5 mm
Connector	N-male

Dimensions Diagram



Antenna Patterns





Ordering Information

Part Number: GE.AN-OM08-5G
5GHz, 8dBi Omni Antenna - N-male Connector

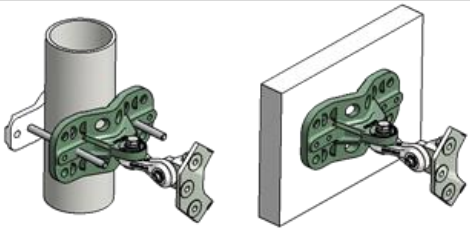
Version: 03 Jan 2020

5GHz 12dBi 2x2 Sector Antenna

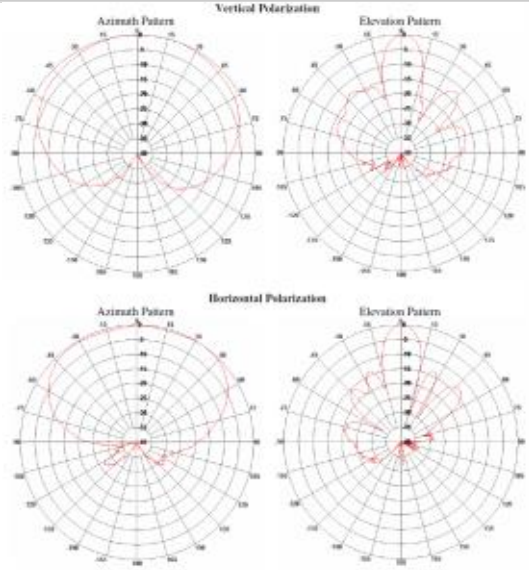
Specifications

Electrical	
Frequency Range	5.150 – 5.875 GHz
Gain	12 dBi
Polarization	Dual Pole Linear, Vertical and Horizontal
Horizontal Beamwidth	120° (-3 dB)
Vertical Beamwidth	15° (-3 dB)
Side Lobes Level	ETSI TS2
VSWR	1.7 (Max.)
Front-to-back Ratio	-30 dB (Min.)
Cross-polar Ratio	-15 dB (Typ.)
Isolation	-20 dB (Typ.)
Impedance	50 Ω
Power Handling	10 W (Max.)
Lightning Protection	DC Grounded
Environmental	
Temperature	-40 °C to +65 °C
Humidity	ETS 300 019-1-4; EN 302 085 (Annex A.1.1)
Wind Loading	200 km/hr (Survival)
Vibration	IEC 60721-3-4
Flammability	UL94
Weatherproof	IP67
Salt Fog	IEC 68-2-11
Mechanical	
Radome Material	UV Protected Polycarbonate
Reflector Material	Aluminum, Protected Through Chemical Passivation
Mounting Material	Aluminum
Weight	400 g (Antenna); 760 g (Mounting Kit)
Dimensions	200 x 200 x 33 mm
Connector	2 x N-female
Mounting Type	Pole or Wall Mounting
Pole Diameter	Ø25 to 120 mm (Screws supplied are 80 mm long)
Mechanical Movement	±45° (Azimuth); ±45° (Elevation)

Mounting Diagram



Antenna Pattern



Ordering Information
Part Number: GE.AN-5P12-02
5GHz 12dBi 2x2 Sector Antenna - Mounting Kit, 2 x N-female Connector

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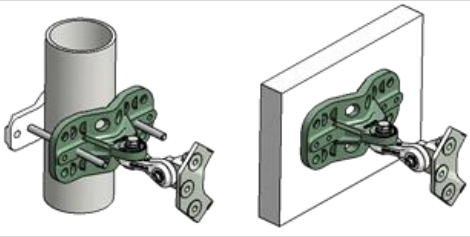
5GHz 19dBi 2x2 Panel Antenna

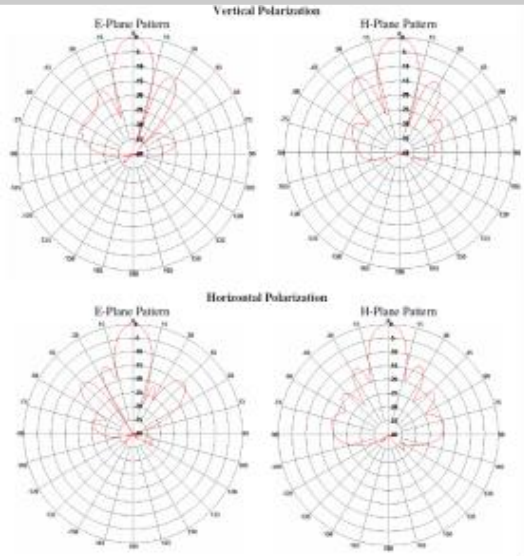
Specifications

Electrical	
Frequency Range	4.9 – 5.875 GHz
Gain	19 ± 1 dBi
Polarization	Dual Pole Linear, Vertical and Horizontal
Horizontal Beamwidth	Dual Slant ±45° if mounted diagonally
Vertical Beamwidth	16° (-3 dB)
Side Lobes Level	16° (-3 dB)
VSWR	ETSI TS2
Front-to-back Ratio	1.7 (Max.)
Cross-polar Ratio	-20 dB (Min.), ETSI TS2
Isolation	-20 dB (Min.)
Impedance	-30 dB (Min.)
Power Handling	50 Ω
Lightning Protection	10 W (Max.)
Environmental	
Temperature	-40 °C to +65 °C
Humidity	ETS 300 019-1-4; EN 302 085 (Annex A.1.1)
Wind Loading	200 km/hr (Survival)
Vibration	IEC 60721-3-4
Flammability	UL94
Weatherproof	IP67
Salt Fog	IEC 68-2-11
Mechanical	
Radome Material	UV Protected Polycarbonate
Reflector Material	Aluminum, Protected Through Chemical Passivation
Mounting Material	Aluminum
Weight	400 g (Antenna) 760 g (Mounting Kit)
Dimensions	200 x 200 x 33 mm
Connector	2 x N-female
Mounting Type	Pole or Wall Mounting
Pole Diameter	Ø25 to 120 mm (Screws supplied are 80 mm long)
Mechanical Movement	±45° (Azimuth); ±45° (Elevation)

Mounting Diagram



Antenna Pattern



Ordering Information
Part Number: GE.AN-5P19-02
5GHz 19dBi 2x2 Panel Antenna - Mounting Kit, 2 x N-female Connector

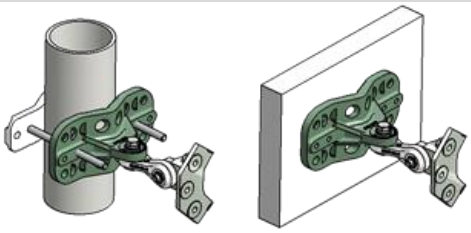
Version: 03 Jan 2020

5GHz 23dBi 2x2 Panel Antenna

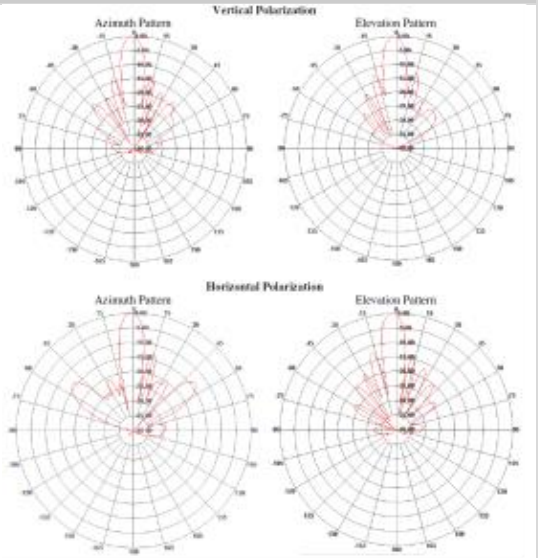
Specifications

Electrical	
Frequency Range	4.9 – 6.1 GHz
Gain	23 ± 1 dBi
Polarization	Dual Pole Linear, Vertical and Horizontal Dual Slant ±45° if mounted diagonally
Horizontal Beamwidth	10° (-3 dB)
Vertical Beamwidth	10° (-3 dB)
Side Lobes Level	ETSI TS3
VSWR	1.7 (Max.)
Front-to-back Ratio	-29 dB (Min.), ETSI TS2
Cross-polar Ratio	-20 dB (Min.)
Isolation	-30 dB (Min.)
Impedance	50 Ω
Power Handling	10 W (Max.)
Lightning Protection	DC Grounded
Environmental	
Temperature	-40 °C to +65 °C
Humidity	ETS 300 019-1-4; EN 302 085 (Annex A.1.1)
Wind Loading	200 km/hr (Survival)
Vibration	IEC 60721-3-4
Flammability	UL94
Weatherproof	IP67
Salt Fog	IEC 68-2-11
Mechanical	
Radome Material	UV Protected Polycarbonate
Reflector Material	Aluminum, Protected Through Chemical Passivation
Mounting Material	Aluminum
Weight	900 g (Antenna) 820 g (Mounting Kit)
Dimensions	305 x 305 x 15 mm
Connector	2 x N-female
Mounting Type	Pole or Wall Mounting
Pole Diameter	Ø25 to 120 mm (Screws supplied are 80 mm long)
Mechanical Movement	±45° (Azimuth); ±45° (Elevation)

Mounting Diagram



Antenna Pattern



Ordering Information
Part Number: GE.AN-5P23-02
5GHz 23dBi 2x2 Panel Antenna - Mounting Kit, 2 x N-female Connector

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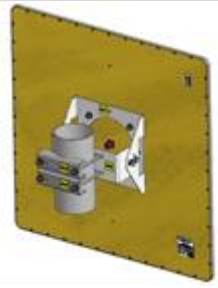
5GHz 28dBi 2x2 Panel Antenna

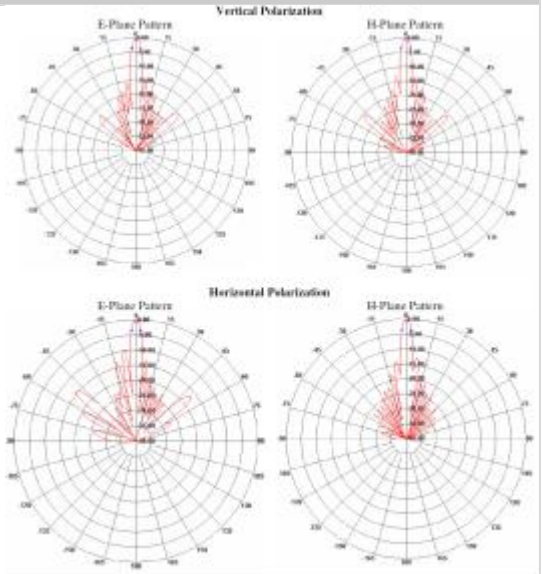
Specifications

Electrical	
Frequency Range	5.15 – 5.875 GHz
Gain	28.5 ± 0.5 dBi (Horizontal) 29.0 ± 0.5 dBi (Vertical)
Polarization	Dual Pole Linear, Vertical and Horizontal Dual Slant ±45° if mounted diagonally
Horizontal Beamwidth	4.7° (-3 dB)
Vertical Beamwidth	4.7° (-3 dB)
Side Lobes Level	ETSI TS3
VSWR	1.7 (Max.)
Front-to-back Ratio	-29 dB (Min.), ETSI TS2
Cross-polar Ratio	-23 dB (Min.)
Isolation	-30 dB (Min.)
Impedance	50 Ω
Power Handling	10 W (Max.)
Environmental	
Temperature	-40 °C to +65 °C
Humidity	ETS 300 019-1-4; EN 302 085 (Annex A.1.1)
Wind Loading	200 km/hr (Survival)
Vibration	IEC 60721-3-4
Flammability	UL94
Weatherproof	IP67
Salt Fog	IEC 68-2-11
Mechanical	
Reflector Material	UV Protected Polycarbonate
Mounting Material	Aluminum, Protected Through Chemical Passivation
Weight	Galvanized Steel
Dimensions	4.7 kg (Antenna) 2 kg (Mounting Kit)
Connector	600 x 600 x 22 mm
Mounting Type	2 x N-female
Pole Diameter	Pole or Wall Mounting
Mechanical Movement	Ø25 to 100 mm (Screws supplied are 80 mm long)

Mounting Diagram



Antenna Pattern



Ordering Information
Part Number: GE.AN-5P28-02
5GHz 28dBi 2x2 Panel Antenna - Mounting Kit, 2 x N-female Connector

Version: 03 Jan 2020