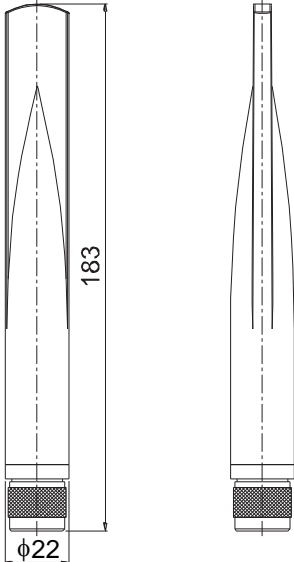
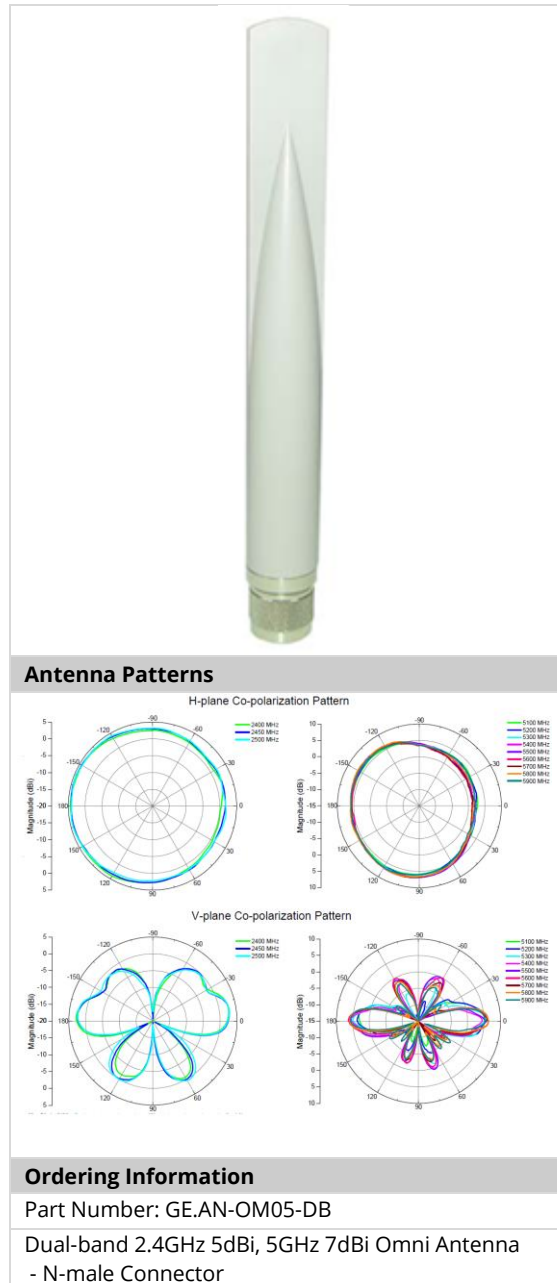


## Dual-band 5/7 dBi Omni Antenna Specifications

Electrical		
Frequency Range	2.4 – 2.5 GHz	5.15 – 5.875 GHz
Gain	4.5 dBi (Peak)	7.0 dBi (Peak)
	2.5 dBi (Average)	5.0 dBi (Average)
Polarization	Linear, Vertical	
Horizontal Beamwidth	360° (-3 dB)	
Vertical Beamwidth	30° (-3 dB)	20° (-3 dB)
VSWR	2.0 (Max.)	
Impedance	50 Ω	
Power Handling	2 W (cw)	
Lightning Protection	DC Grounded	
Environmental		
Temperature	-40 °C to +80 °C	
Humidity	95% at 55°C	
Wind Loading	216 km/hr (Survival)	
Weatherproof	IPX8	
Mechanical		
Radome Material	ABS, UV Resistant, UL94 HB	
Radome Color	White	
Weight	70 g	
Dimensions	Ø22 x 183 mm	
Connector	N-male	
Dimensions Diagram		
		

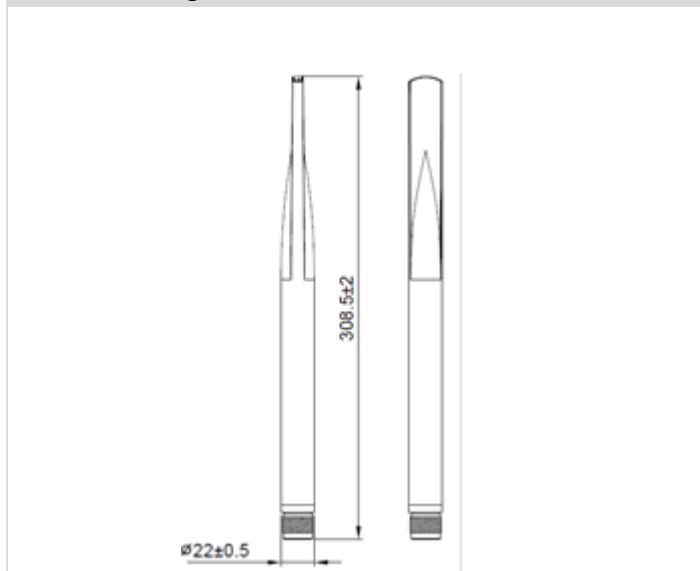


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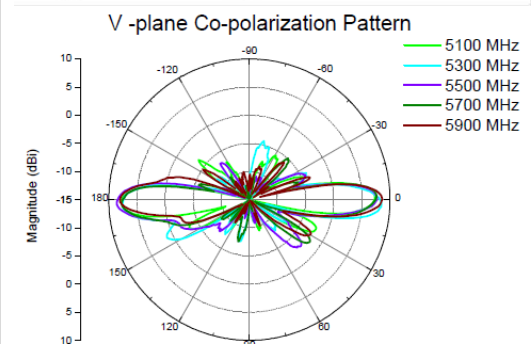
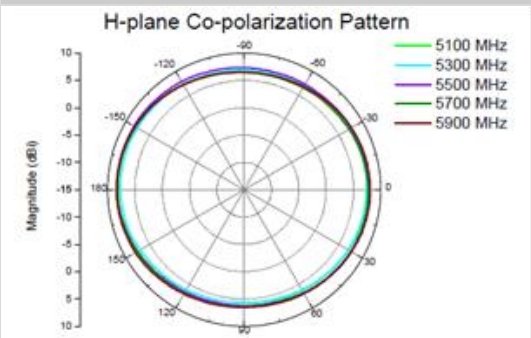
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## Dual-band 8 dBi Omni Antenna Specifications

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 Grounded
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

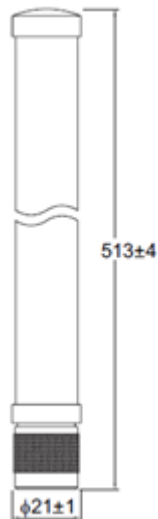
Part Number: GE.AN-OM08-5G  
 5GHz, 8dBi Omni Antenna  
 - N-male Connector

Version: 26 Oct 2021

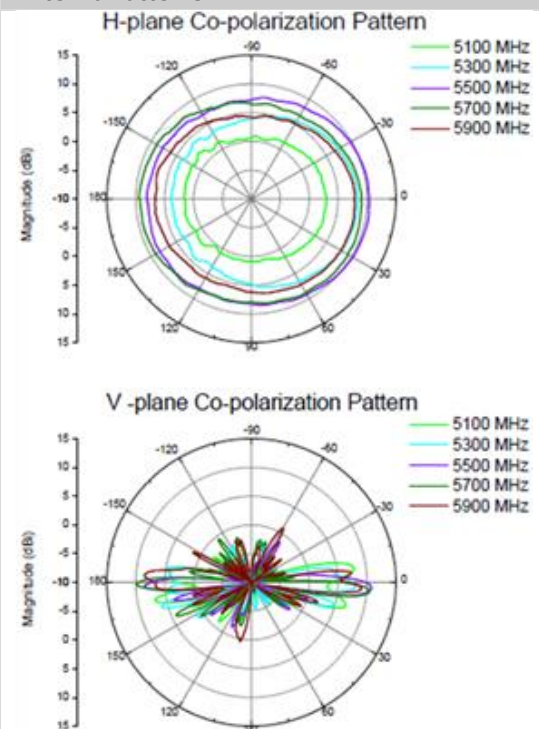
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## 5GHz 10dBi Omni Antenna Specifications

Electrical	
Frequency Range	5.100 – 5.825 GHz
Gain	10 dBi (5.500 – 5.825 GHz) 3 – 8 dBi (5.100 – 5.500 GHz)
Polarization	Linear, Vertical
Horizontal Beamwidth	360° (-3 dB)
Vertical Beamwidth	7° (-3 dB)
Side Lobes Level	-1 dB (Max.)
VSWR	2.0 (Max.)
Impedance	50 Ω
Power Handling	6 W (cw)
Environmental	
Temperature	-40 °C to +80 °C
Humidity	95% at 55°C
Wind Loading	216 km/hr (Survival)
Mechanical	
Radome Material	Fiberglass, UV Resistant
Radome Color	Grey-white
Weight	135 g
Dimensions	Ø21 x 513 mm
Connector	N-male
Dimensions Diagram	



### Antenna Patterns



### Ordering Information

Part Number: GE.AN-OM10-5G

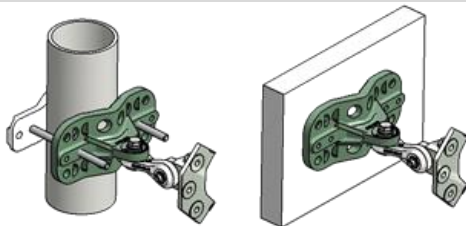
5.5-5.8GHz 10dBi, 5.1-5.5GHz 3-8dBi Omni Antenna  
- N-male Connector

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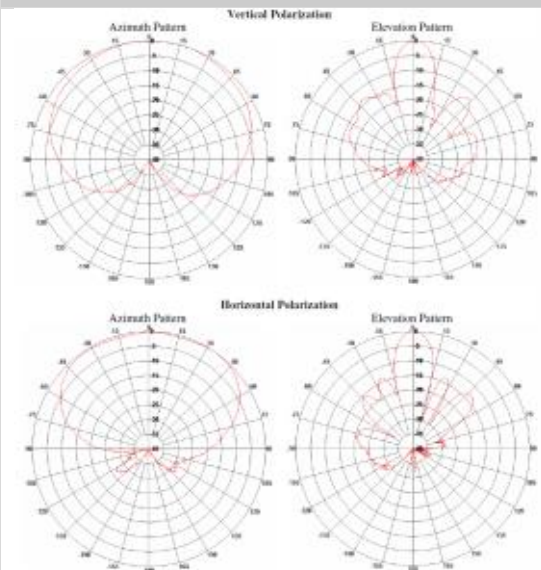
## 5GHz 12dBi 2x2 Sector Antenna Specifications

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)
VSWR	1.7 (Max.)
Front-to-back Ratio	-30 dB (Min.)
Cross Polarization	-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

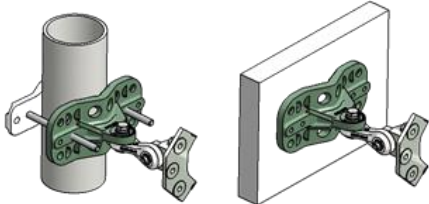
- Mounting Kit, 2 x N-female Connector

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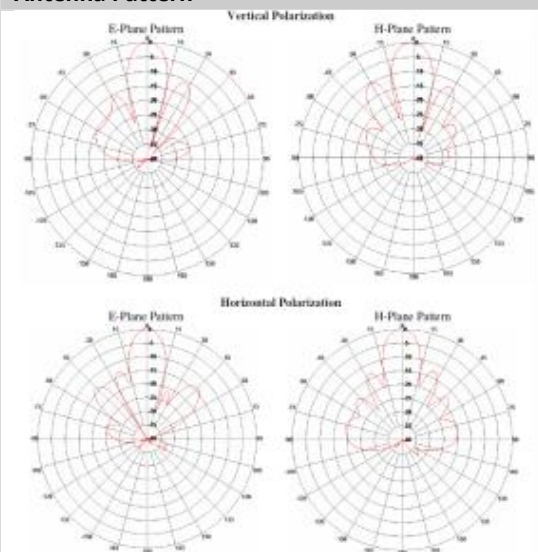
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## 5GHz 19dBi 2x2 Panel Antenna Specifications

Electrical	
Frequency Range	4.9 – 5.875 GHz
Gain	19 ± 1 dBi
Polarization	Dual Pole Linear, Vertical and Horizontal Dual Slant ±45° if mounted diagonally
Horizontal Beamwidth	16° (-3 dB)
Vertical Beamwidth	16° (-3 dB)
Side Lobes Level	ETSI TS2 (Min.)
VSWR	1.7 (Max.)
Front-to-back Ratio	-20 dB (Min.), ETSI TS2
Cross Polarization	-20 dB
Isolation	-30 dB
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-5P19-02

5GHz 19dBi 2x2 Panel Antenna  
- Mounting Kit, 2 x N-female Connector

Version: 26 Oct 2021

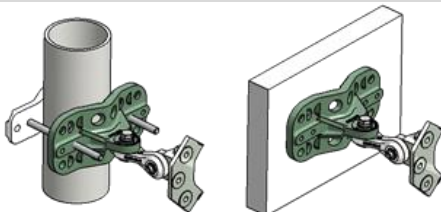
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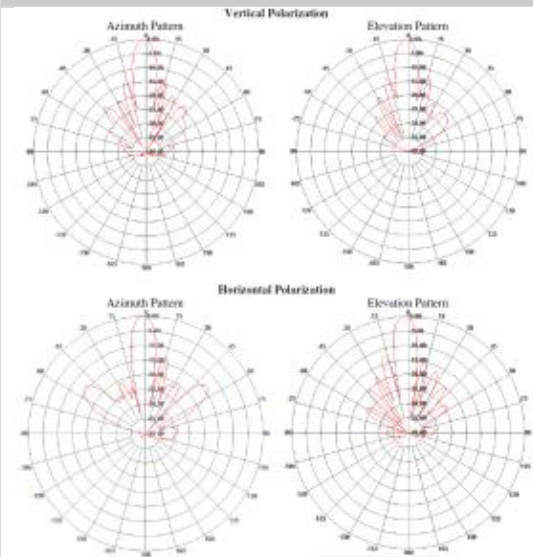
## 5GHz 23dBi 2x2 Panel Antenna Specifications

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 (Min.)
VSWR	1.7 (Max.)
Front-to-back Ratio	-29 dB (Min.), ETSI TS3
Cross Polarization	-20 dB (Typ.)
Isolation	-30 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	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

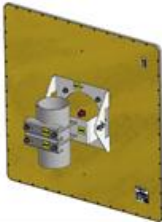
Part Number: GE.AN-5P23-02  
5GHz 23dBi 2x2 Panel Antenna  
- Mounting Kit, 2 x N-female Connector

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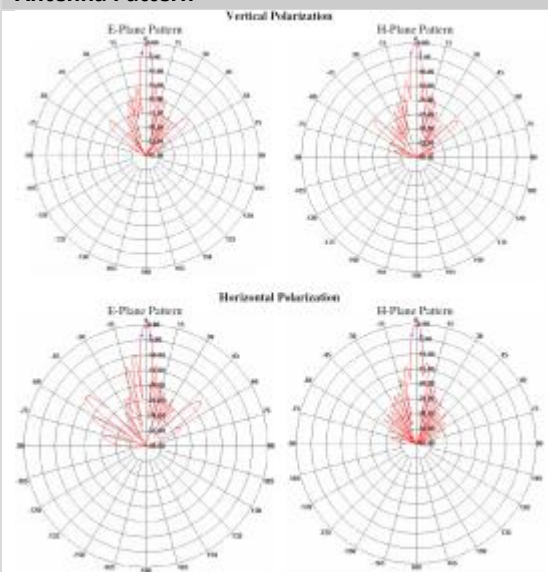
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## 5GHz 28dBi 2x2 Panel Antenna Specifications

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 (Min.)
VSWR	1.7 (Max.)
Front-to-back Ratio	-29 dB (Min.), ETSI TS3
Cross Polarization	-23 dB (Min.)
Isolation	-30 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	
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

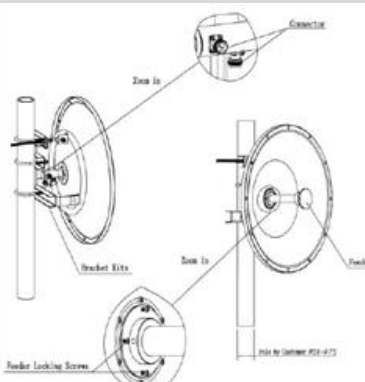
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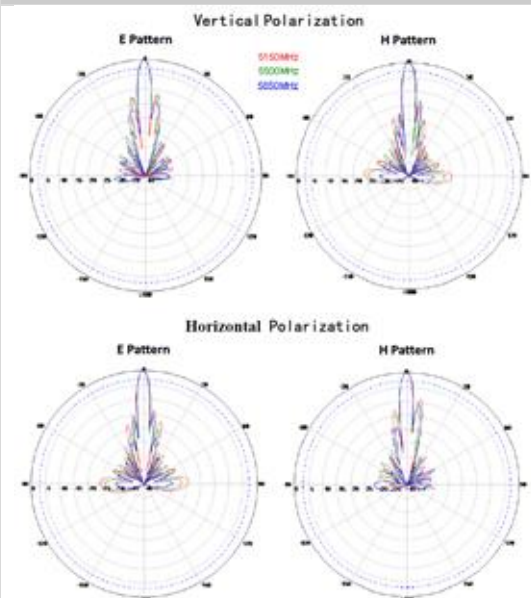
## 5GHz 28dBi 2x2 Dish Antenna | Special Item

### Specifications

Electrical	
Frequency Range	5.15 – 5.85 GHz
Gain	28.5 dBi
Polarization	Dual Pole Linear, Vertical and Horizontal
Horizontal Beamwidth	5° (-3 dB)
Vertical Beamwidth	5° (-3 dB)
Side Lobes Level	ETSI TS2
VSWR	1.5 (Max.)
Front-to-back Ratio	-35 dB (Min.)
Cross Polarization	-20 dB (Min.)
Isolation	-28 dB (Min.)
Impedance	50 Ω
Power Handling	100 W (Max.)
Environmental	
Temperature	-40 °C to +65 °C
Humidity	ETS 300019-1-4; EN302085 (Annex A.1.1)
Wind Loading	200 km/hr (Survival)
Vibration	IEC 60721-3-4
Flammability	UL94
Weatherproof	IP56
Salt Fog	IEC 68-2-11
Mechanical	
Reflector Material	UV-coated Aluminum Alloy
Mounting Material	Steel
Weight	5.5 kg
Dimensions	Ø600 mm (2 ft.)
Connector	2 x N-female
Mounting Type	Pole Mounting
Pole Diameter	Ø50 to 75 mm
Mechanical Movement	360° (Azimuth); -15° to +5° (Elevation)
Mounting Diagram	
	



#### Antenna Pattern



#### Ordering Information

Part Number: GE.AN-5D28-02  
 5GHz 28dBi 2x2 Ø0.6m Dish Antenna  
 - Mounting Kit, 2 x N-female Connector

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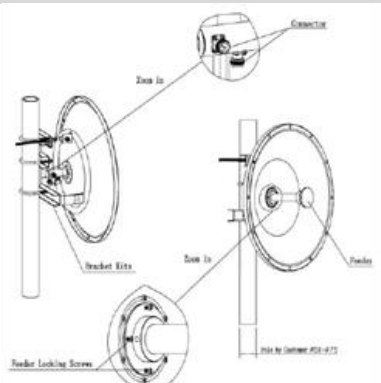
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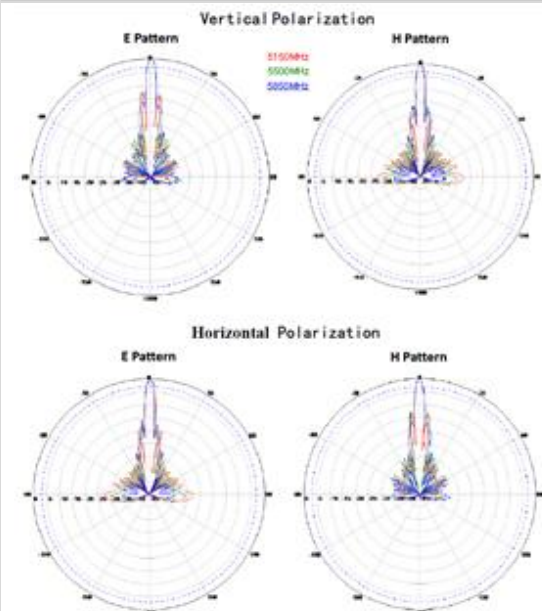
## 5GHz 32dBi 2x2 Dish Antenna | Special Item

### Specifications

Electrical	
Frequency Range	5.15 – 5.85 GHz
Gain	32 dBi
Polarization	Dual Pole Linear, Vertical and Horizontal
Horizontal Beamwidth	3.5° (-3 dB)
Vertical Beamwidth	3.5° (-3 dB)
Side Lobes Level	ETSI TS2
VSWR	1.5 (Max.)
Front-to-back Ratio	-40 dB (Min.)
Cross Polarization	-20 dB (Min.)
Isolation	-28 dB (Min.)
Impedance	50 Ω
Power Handling	100 W (Max.)
Environmental	
Temperature	-40 °C to +65 °C
Humidity	ETS 300019-1-4; EN302085 (Annex A.1.1)
Wind Loading	200 km/hr (Survival)
Vibration	IEC 60721-3-4
Flammability	UL94
Weatherproof	IP56
Salt Fog	IEC 68-2-11
Mechanical	
Reflector Material	UV-coated Aluminum Alloy
Mounting Material	Steel
Mounting Material	10.5 kg
Weight	Ø900 mm (3 ft.)
Dimensions	2 x N-female
Connector	Pole Mounting
Mounting Type	Ø50 to 75 mm
Pole Diameter	360° (Azimuth); -15° to +5° (Elevation)
Mechanical Movement	UV-coated Aluminum Alloy
Mounting Diagram	
	



#### Antenna Pattern



#### Ordering Information

Part Number: GE.AN-5D32-02

5GHz 32dBi 2x2 Ø0.9m Dish Antenna


- Mounting Kit, 2 x N-female Connector

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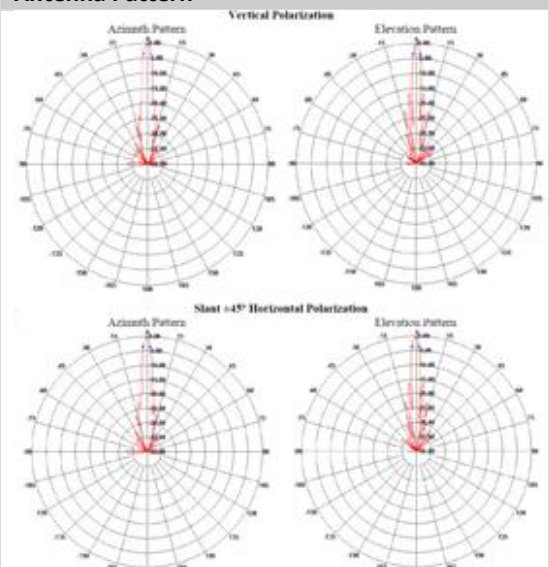
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## 5GHz 32dBi 2x2 High Performance Dish Antenna Specifications | Special Item

Electrical	
Frequency Range	5.1 – 5.9 GHz
Gain	32 dBi
Polarization	Dual Polarized
Horizontal Beamwidth	4° (-3 dB)
Vertical Beamwidth	4° (-3 dB)
Side Lobes Level	-15 dB
VSWR	1.7 (Max.)
Front-to-back Ratio	-40 dB (Min.)
Cross Polarization	-20 dB (Min.)
Isolation	-36 dB (Min., 5.1 – 5.6 GHz) -20 dB (Min., 5.6 – 5.8 GHz)
Impedance	50 Ω
Power Handling	100 W (Max.)
Environmental	
Temperature	-40 °C to +65 °C
Humidity	ETS 300019-1-4; EN302085 (Annex A.1.1)
Wind Loading	200 km/hr (Survival)
Vibration	IEC 60721-3-4
Flammability	UL94
Weatherproof	IP65
Salt Fog	IEC 68-2-11
Mechanical	
Weight	18 kg
Dimensions	Ø900 mm (3 ft.)
Connector	2 x N-female
Mounting Type	Pole Mounting
Mounting Diagram	
	



### Antenna Pattern



### Ordering Information

Part Number: GE.AN-5D32-H2

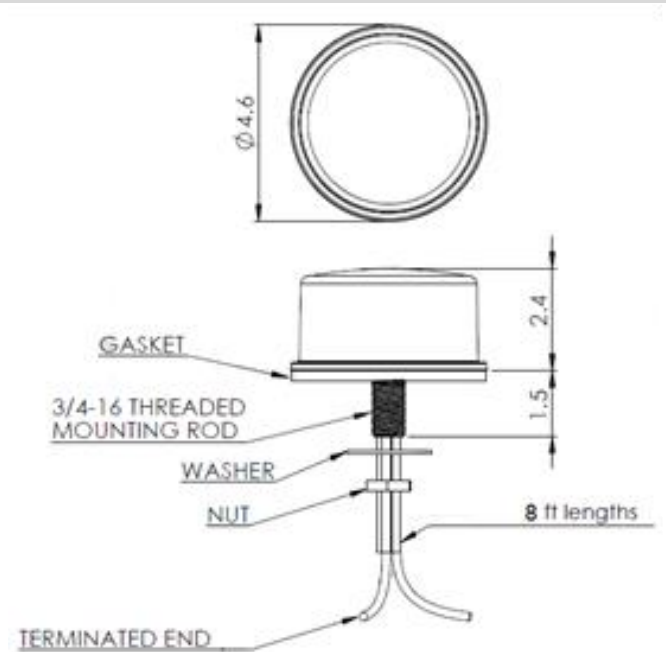
5GHz 32dBi 2x2 High Performance Dish Antenna  
- Mounting Kit, 2 x N-female Connector

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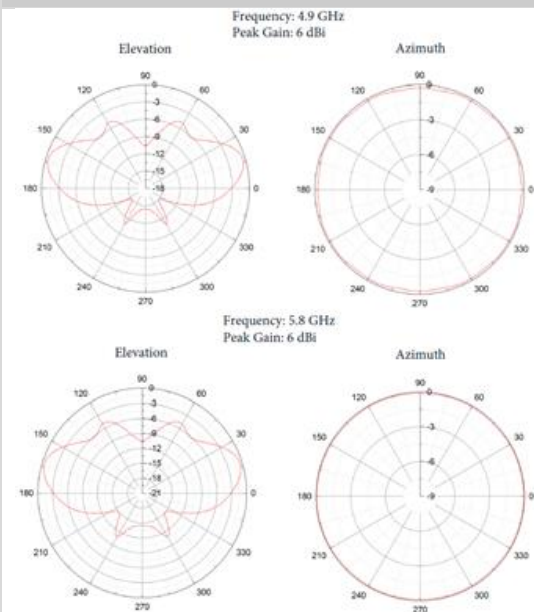
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## 4.9-6GHz 4dBi Mobile Omni Antenna | Special Item Specifications

Electrical	
Frequency Range	4.9 – 6.0 GHz
Gain	4 dBi
Polarization	Multi-polarized
Horizontal Beamwidth	360°
Vertical Beamwidth	Hemispheric
VSWR	1.1 to 1.5
Impedance	50 Ω
Power Handling	50 W
Lightning Protection	Built-in Ground Plate
Environmental	
Temperature	-40 °C to +85 °C
Weatherproof	IP67
Mechanical	
Reflector Material	UV Stabilized ASA
Mounting Material	Black
Weight	340 g (12 oz)
Dimensions	Ø115 x 64 mm (Ø4.5 x 2.5 in)
Antenna Feed	2 Feeds
Coaxial Pigtail	2.45 m (8 ft), Low Loss 200 Series
Connector	N-male
Mounting	3/4 Stud Mount
Mounting Diagram	
	



### Antenna Pattern



### Ordering Information

Part Number: GE.AN-MM04-B8

4.9-6GHz, 4dBi, Outdoor Mobile Omni Antenna  
(Model No.: 08-ANT-0937-BL-2X-G8)

- Mounting Nut/Washer, Black, 2 x 8ft 200 Series  
Coaxial Pigtail with N-male Connector

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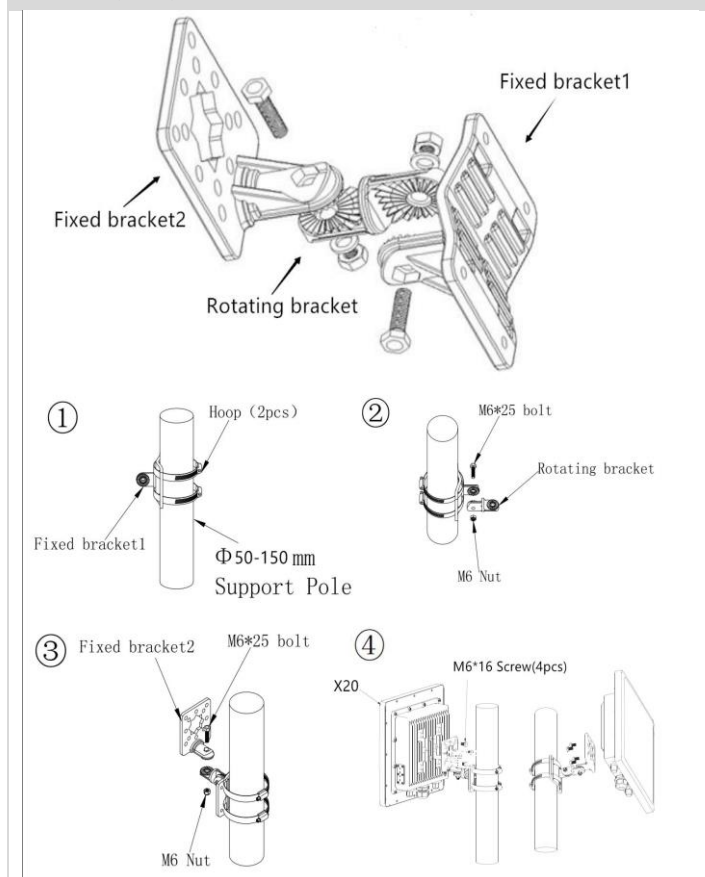
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## Mounting Kit for X20, 150mm Pole | Special Item Specifications

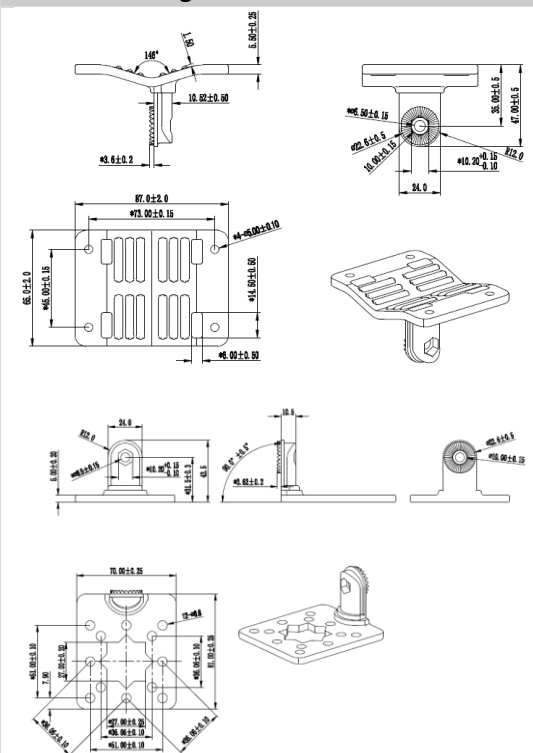
Mechanical	
Up and Down-tilt	+/- 45° (in 15° step)
Orientation	+/- 75° (in 15° step)
Support Pole Diameter	50 to 150 mm
Fit for X20	Fit Exactly to X20 Using the Original 4 Screw Sets
Material	Mount: ADC12 (Aluminum alloy) Metal Tie: 304 stainless steel Screw Set: 304 stainless steel
Color	Dark Gray Coating
Content	1 x mount (3 components) 2 x metal tie 1 x screw pack (2 x screw; 2 x nut; 2 x spring washer; 2 x washer)



### Mounting Diagram



### Dimensions Diagram



### Ordering Information

Part Number: NS.MT-2150-00

Mounting Kit for X20

- Support 50-150mm Diameter Pole

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