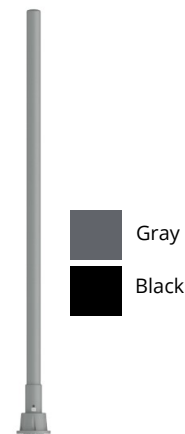


60" x 2" 10-Port Outdoor Directional Whip Antenna [1695-2690, 3300-4000 and 5150-5925 MHz]

GD6010-07078

Description:

- Directional Whip Antenna for Outdoor DAS and Small Cells
- 4x ports for AWS/PCS Band 1695-2690 MHz
- 4x ports for C-Band/CBRS 3300-4000 MHz
- 2x ports for LAA Band 5150-5925 MHz*
- Ideal for Dense Urban Densification
- All ports are directional with 10° downtilt to provide precise densification coverage and ensure dominance over macro sites



1695-2690, 3300-4000 and 5150-5925 MHz
10-Port Outdoor Directional Whip Antenna

*Compliant to 789033 D02 General U-NII Test Procedures New Rules v01r04: The antenna meets current U-NII-1 requirements for gain and upper side-lobe performance. Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Sub-part E

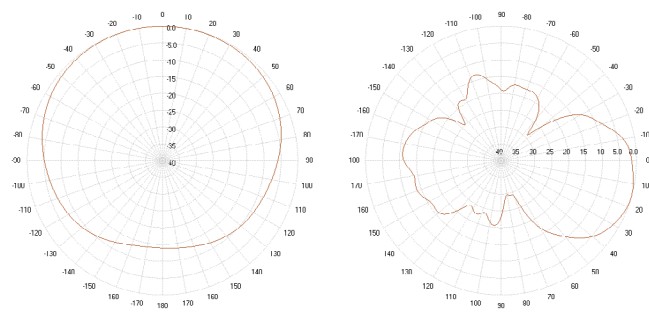
Electrical Specifications

Frequency Band [MHz]	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4000	5150-5925
Input Connector Type	4x NEX10 (F)			4x NEX10 (F)			2x NEX10 (F)
Isolation (min.)	25 dB			20 dB			
VSWR (max.) / RL (min.)	1.5:1 / 14.0 dB						
Impedance	50 Ω						
Polarization	Vertical			Dual Slant 45° (± 45°)			
Horizontal Beamwidth	144°	144°	156°	90°	89°	90°	122°
Elevation Beamwidth	45.7°	36.4°	34.1°	35.0°	37.3°	34.4°	24.0°
Gain (max.)	7.7 dBi	7.8 dBi	7.8 dBi	8.5 dBi	8.4 dBi	8.6 dBi	4.7 dBi
Gain (avg.)	6.7 dBi	7.4 dBi	7.2 dBi	8.0 dBi	7.7 dBi	7.5 dBi	3.8 dBi
Downtilt	10° fixed						
Max Power / Port	80 Watts			50 Watts			1 Watt
PIM @ 2x43 dBm	<-153 dBc			N/A			N/A

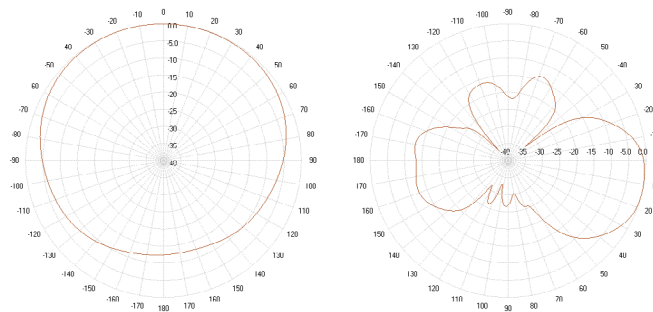
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	8.0 lbs (3.6 kg)
Antenna Diameter	2" (52 mm)
Antenna Height	60" (1524 mm)
Radome Material	Fiberglass
Radome Colors	Gray/Silver (Fed Std 595, 26373) Black (Fed Std 595, 27038)
Environmental Rating	Outdoor
Wind Survival Rating	150 mph (241 km/h)
Connectors	10x NEX10 (F)

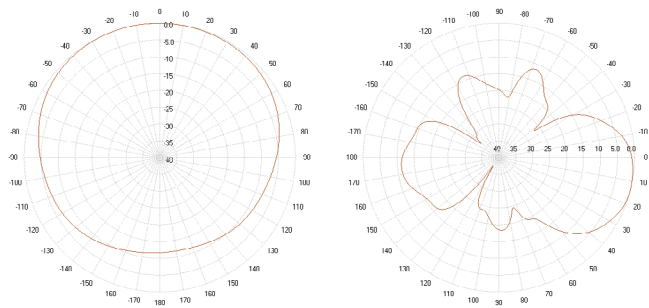
2D Antenna Patterns



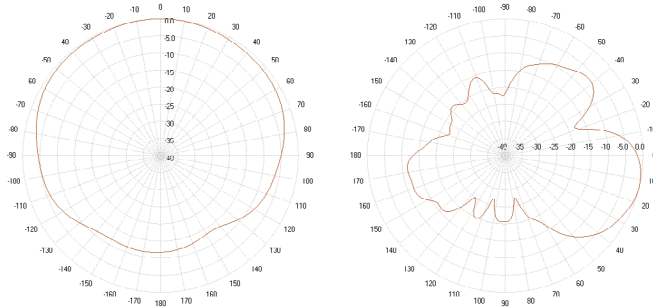
1850 MHz



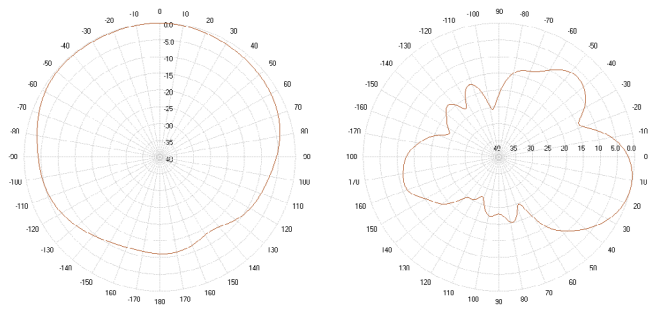
1895 MHz



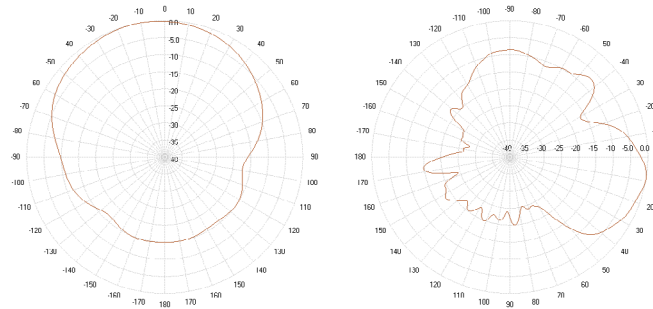
1930 MHz



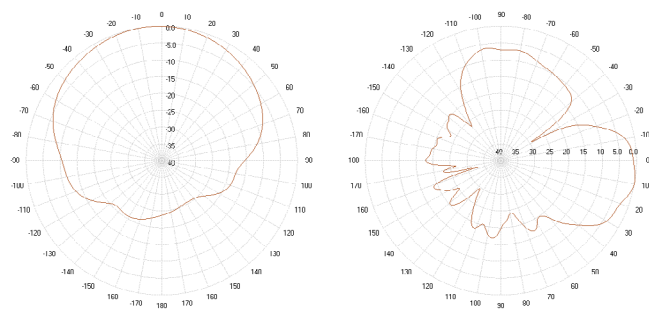
2500 MHz



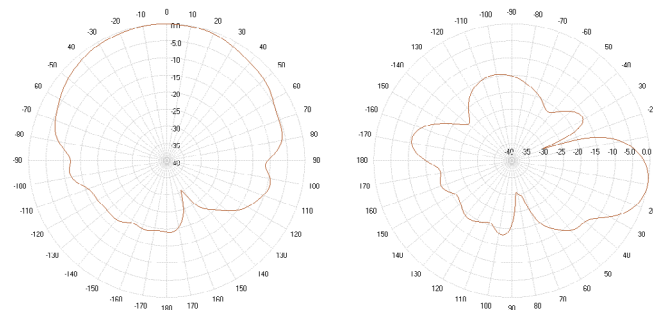
2550 MHz



3600 MHz

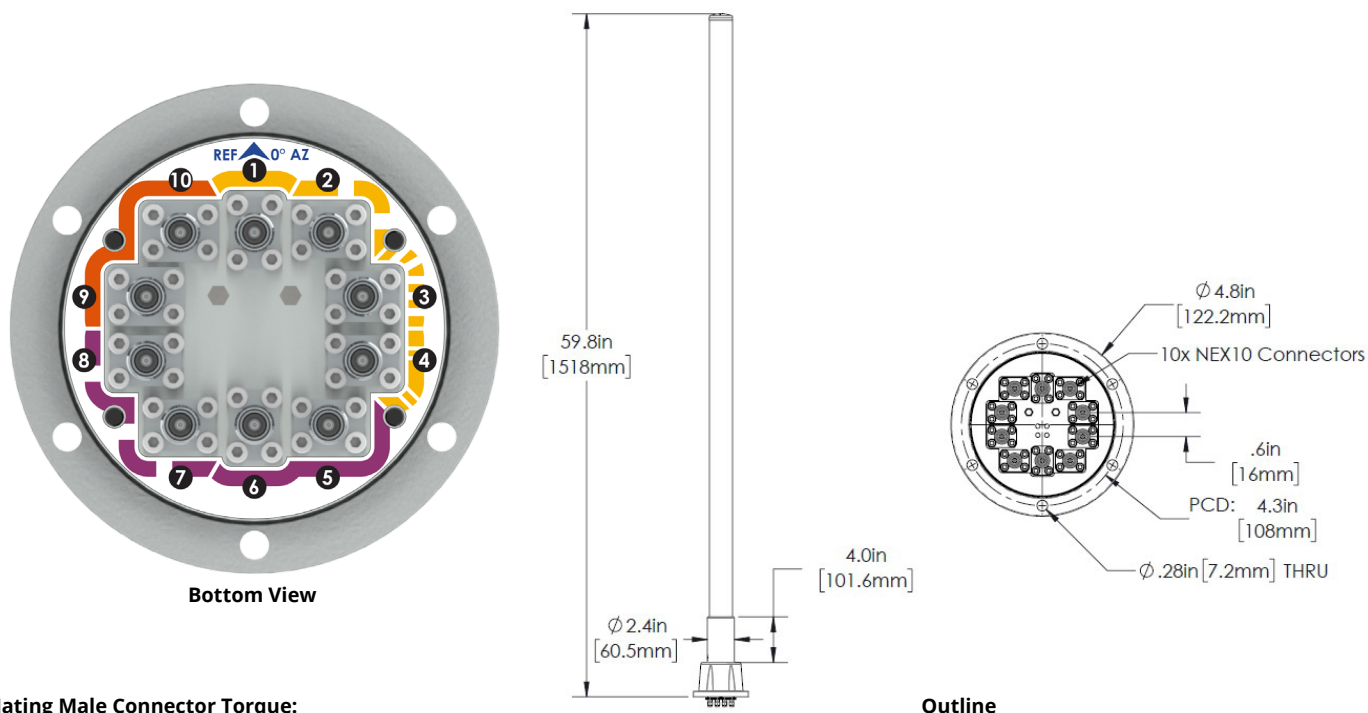


3800 MHz



5150 MHz

Antenna Outline and Bottom View with Label



Mating Male Connector Torque:
NEX10 : 2.2 ft-lb (3.0 Nm)

Part Numbers, Ordering Options

Description	Color*	Mounting Kit	Part Number
10-Port Directional Whip Antenna, 10° Downtilt, 10x NEX10 (F) Connectors	Gray/Silver (FED STD 595, 26373)	Includes MK-06766 Spacer Collar	GD6010-07078-122
	Black (FED STD 595, 27038)	Includes MK-06766 Spacer Collar	GD6010-07078-B22

Mounting Kit and Accessories Part Number

Description:	Part Number:
Antenna spacer collar [Included]	 MK-06766 (Included)
Stubby Top Mount Bracket [Optional]	 MK-06840 (Sold Separately)
Extended Top Mount Bracket [Optional]	 MK-06841 (Sold Separately)

RFD#: 7078 ; Revision: R2 ; Release Date: June 22, 2021;