

20°/60° Narrow Beam Directional Antenna [MIMO 694-960 MHz and 1695-2700 MHz]

EXTENT™ D5944i

Description:

Broadband 20°/60° narrow beam directional MIMO antenna for high-capacity venues such as stadiums or campuses.



MIMO 694-960 MHz and 1695-2700 MHz Directional Panel Antenna

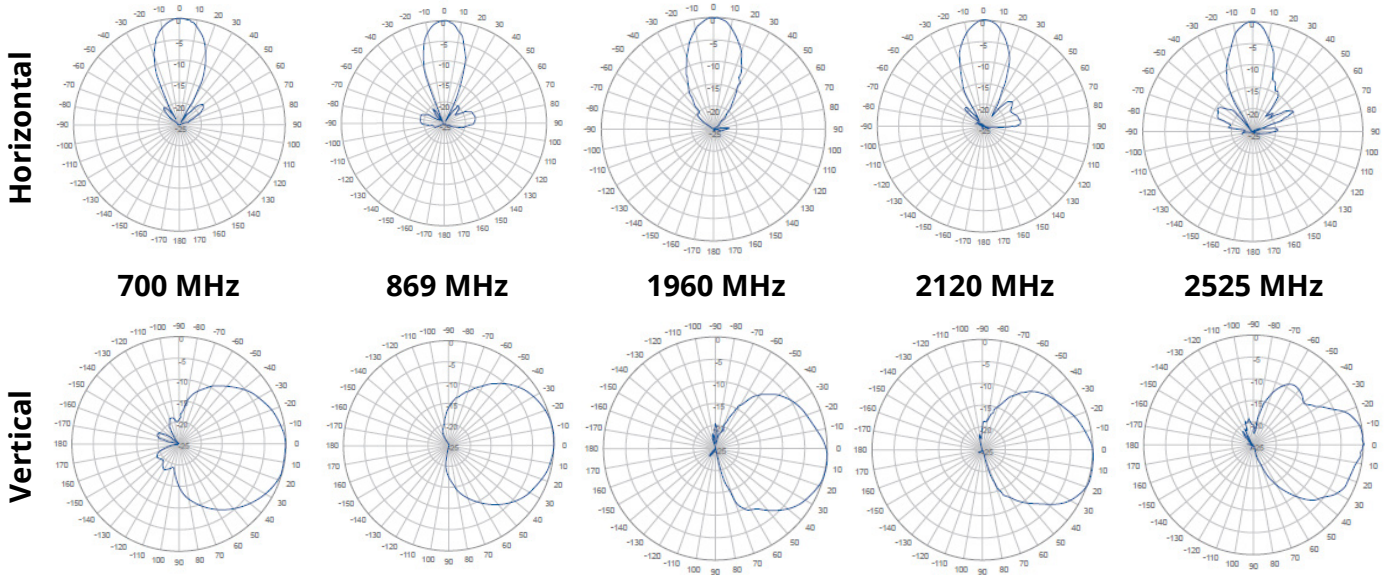
Electrical Specifications							
Frequency Band [MHz]	694-790	790-960	1695-1790	1790-1990	1920-2180	2305-2360	2360-2700
Input Connector Type	2x 7-16 DIN or 2x 4.3-10 DIN (F) Connector, Back Mount						
Isolation (typ.)	-25 dB		-20 dB		-23 dB		-20 dB
VSWR/Return Loss	<1.5:1 / 14.0 dB						
Impedance	50 Ω						
Polarization	Dual slant 45° (±45°)						
Horizontal Beamwidth	24°	20°	26°	26°	22°	20°	20°
Vertical Beamwidth	70°	63°	64°	64°	55°	50°	50°
Max. Gain	11.5 dBi	12.5 dBi	12.0 dBi	11.5 dBi	12.5 dBi	13.5 dBi	14.0 dBi
Avg. Gain	11.0 dBi	12.0 dBi	11.0 dBi	11.0 dBi	11.8 dBi	13.0 dBi	13.0 dBi
Downtilt	0° fixed						
Front to Back	>23 dB		>26 dB		>28 dB	>30 dB	
Max Power / Port	250 Watts		150 Watts				
PIM @ 2x43 dBm	<-153 dBc						

Mechanical Specifications	
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	21.4 lbs (9.7 Kg)
Antenna Depth	6.7" (170mm)
Antenna Width	35.2" (896mm)
Antenna Height	14.3" (364mm)
Radome Material	Fiberglass
RoHS	Compliant
Radome Color	RAL 9016 (white)*
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)
Shipping dimensions (LxWxH)	37.28x16.18x10.23 inch (947x411x260mm)
Shipping weight	24.0 lbs (10.9 kg)


* Radome can be painted with recommended paint "Krylon fusion for plastic"

Additional Technical Information

Antenna Patterns



Part Numbers, Ordering Options and Accessories

Description:	Part Number:
Antenna with 2x 7-16 DIN (F) Connectors	04119352-05944-1
Antenna with 2x 4.3-10 DIN (F) Connectors	04127352-05944-1
Mounting Bracket(s):	Part Number:
<p>This antenna can be mounted using any of the following mounting brackets. The mounting brackets need to be ordered as a separate line item. See Ordering Options for details.</p> <p>1 or 2 Axis Mounting Bracket (80 mph)</p> <p>Galtronics' 1 or 2 Axis mounting bracket offers an easy installation solution to mount Galtronics' EXTENT™ directional antennas to either a pole or a wall.</p>	 <p>62-45-09</p>
<p>2 Axis Pole/Wall Mounting Bracket (150 mph)</p> <p>Galtronics' mounting bracket offers an easy installation solution to mount Galtronics' EXTENT stadium antennas to either a pole or a wall. For the D5944 the mounting bracket allows a tilt of up to +/-90° in the vertical, and up to +/- 26° in the horizontal plane. When attaching the antenna to a wall please make sure to select appropriate fasteners (not included).</p>	 <p>62-28-09</p>

Matting Male Connector Torque:

7-16: 18.4 ft-lb (25 Nm)
4.3-10: 3.7 ft-lb (5 Nm)

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