

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	1790-1920	1920-2180	2305-2360	2360-2700
Input Connector Type	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 (dBi)	11.5	12.5	12.0	11.5	12.5	13.5	14.0
Avg. Gain (dBi)	11.0	12.0	11.0	11.0	11.8	13.0	13.0
Downtilt	0° fixed						
Front to Back Ratio (dB)	>23		>26		>28		>30
Max Power / Port	250 Watts		150 Watts				
PIM @ 2x43 dBm	<-153 dBc						

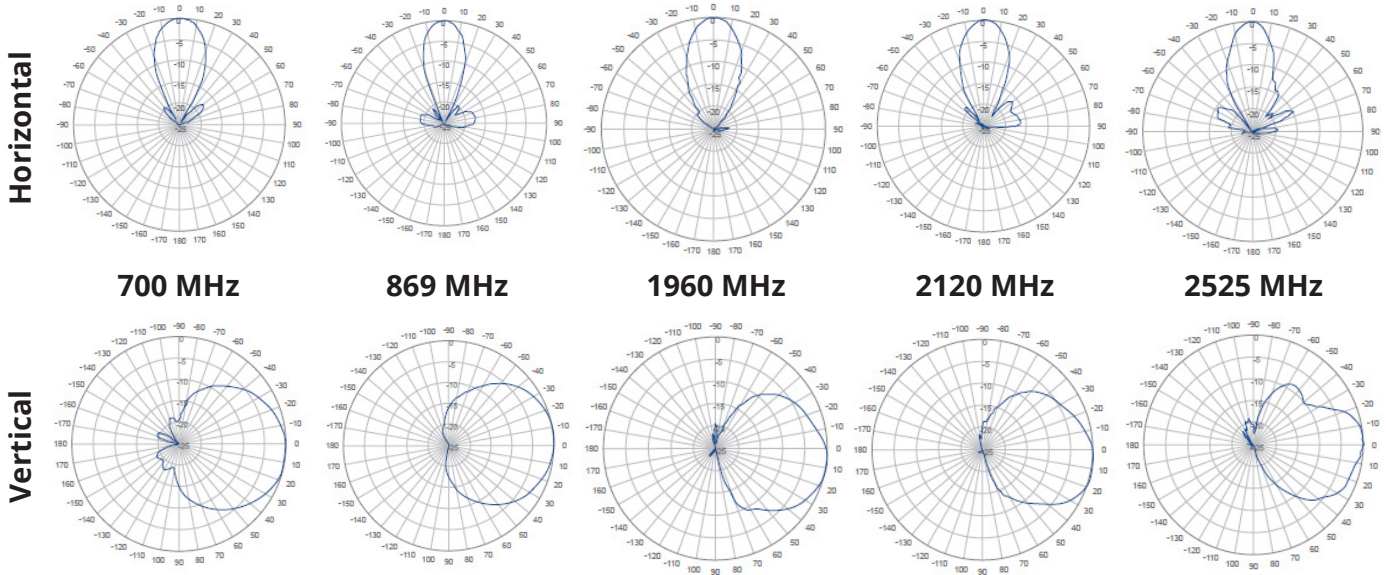
Mechanical Specifications	
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	21.4 lbs (9.7 Kg)
Antenna Dimension (HxWxD)	14.3" (364mm) x 35.2" (896mm) x 6.7" (170mm)
Radome Material	Fiberglass
RoHS	Compliant
Radome Color	RAL 9016 (white)*
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

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

RFD#: 5944; Revision : R2; Release Date: April 27, 2022;

Additional Technical Information

Antenna Patterns



Part Numbers, Ordering Options and Accessories

Description:	Part Number:
20°/60° Narrow Beam Directional 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:

4.3-10: 3.7 ft-lb (5 Nm)