

30°/60° Narrow Beam Directional Panel Antenna [698-960MHz, 1710-2700 MHz]

EXTENT™ D5501i

Description:

- Single-sector MIMO antenna for high capacity and stadium venues.
- 30°/60° dual-polarized beam width covering 698-960MHz and 1710-2700MHz.



698-960MHz, 1710-2700 MHz Directional Panel Antenna

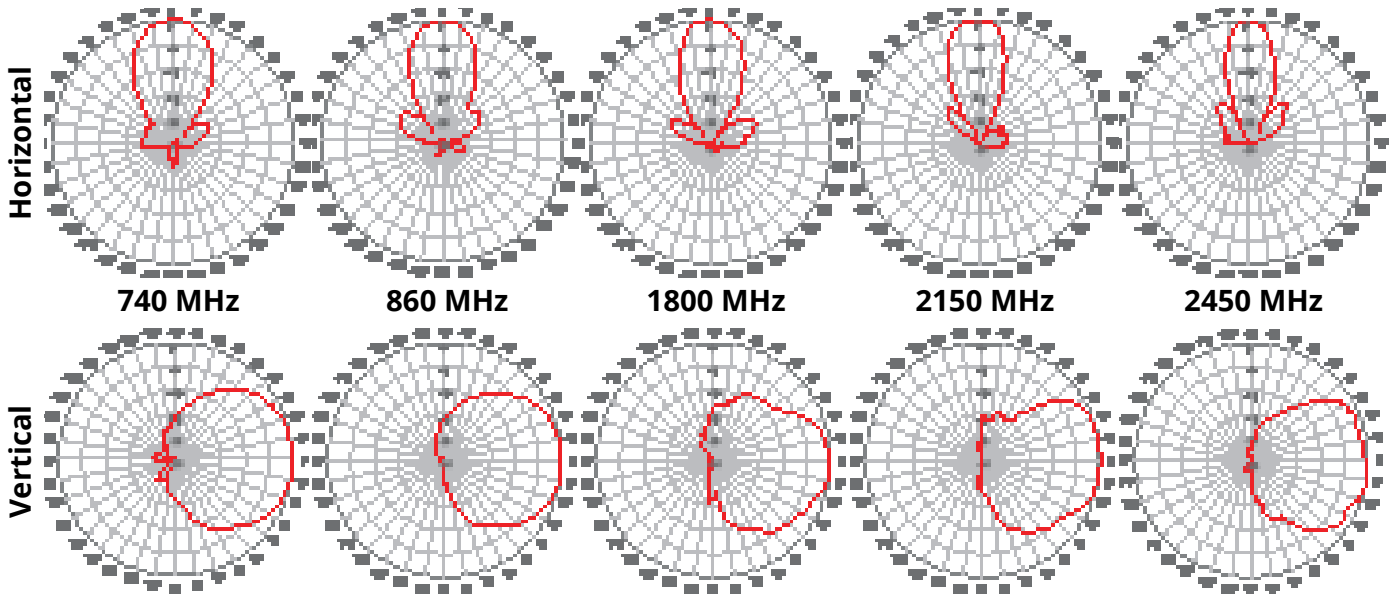
Electrical Specifications						
Frequency Band [MHz]	698-820	820-900	900-960	1710-1910	1910-2180	2180-2700
Input Connector Type	2x 7-16 DIN (F), Back Mount					
Isolation (typ.)	25 dB (Typ.)					
Inter-band Isolation	-40 dB (typ)			-35 dB (typ)		
VSWR/Return Loss	<1.6:1 / 12.7 dB		<1.7:1 / 11.8 dB	<1.7:1 / 11.8 dB		
Impedance	50 Ω					
Polarization	Dual slant 45° (±45°)					
Horizontal Beamwidth	30°	30°	30°	30°	30°	27°
Vertical Beamwidth	65°	65°	65°	65°	65°	65°
Max. Gain	10.0 dBi	11.0 dBi	11.0 dBi	10.5 dBi	11.0 dBi	11.5 dBi
Avg. Gain	10.0 dBi	10.5 dBi	10.5 dBi	10.5 dBi	10.5 dBi	10.5 dBi
Front to Back	25 dB			25 dB		
Max Power / Port	150 Watts					
PIM @ 2x43 dBm	<-150 dBc					

Mechanical Specifications	
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	10.6 lbs (4.8 kg)
Antenna Depth	5.2" (133 mm)
Antenna Width	24.7" (627mm)
Antenna Height	14.4" (367mm)
Radome Material	PC/ABS
RoHS	Compliant
Radome Color	RAL 9016 (white)*
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)
Shipping Dimensions - L x W x D	26.2"x16.3"x8.6" / 665x415x220mm
Shipping Weight (Gross Weight)	18.1 lbs (8.2 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	04119261-05631-1
Mounting Bracket(s)	Part Number:
1 or 2 Axis Pole/Wall Mounting Bracket The mounting bracket allows wall and pole mounting with flexible and continuous antenna adjustment in the horizontal and vertical plane.	 62-45-09 [Included]
2 Axis Pole/Wall Mounting Bracket This mounting bracket offers an easy installation solution of mounting all Galtronics' Stadium Antennas to either a pole or a wall.	 62-28-09 [Optional]

RFD#: 5501 ; Revision: R2 ; Release Date: November 18, 2020;

Matting Male Connector Torque:
7-16: 18.4 ft-lb (25 Nm)