

60°/60° & 30°/60° Narrow Beam Directional Antenna [698-960MHz, 1695-2700 MHz]

EXTENT™ D5977i

Description:

- Single-sector MIMO antenna for high capacity venues.
- Dual-polarized beam covering 698-960MHz (60°/60°) and 1695-2700MHz (60°/30°).



698-960MHz, 1695-2700 MHz, Directional Panel Antenna

Electrical Specifications

Frequency Band [MHz]	698-790	790-960	1695-1780	1780-1990	1990-2180	2305-2360	2360-2700
Input Connector Type	2x 7-16(F) DIN or 4.3-10(F) DIN						
Isolation (typ.)	-25 dB						
VSWR/Return Loss	<1.5:1 / 14.0 dB						
Impedance	50 Ω						
Polarization	Dual slant 45° (±45°)						
Horizontal Beamwidth	69°	61°	62°	60°	54°	48°	44°
Vertical Beamwidth	63°	63°	36°	34°	32°	28°	26°
Max. Gain	8.5 dBi	8.6 dBi	10.7 dBi	11.0 dBi	11.9 dBi	12.0 dBi	12.6 dBi
Avg. Gain	7.7 dBi	8.0 dBi	10.1 dBi	10.6 dBi	11.1 dBi	11.7 dBi	12.2 dBi
Front to Back	20 dB			25 dB			
Max Power / Port	150 Watts			125 Watts			
PIM @ 2x43 dBm	<-153 dBc						

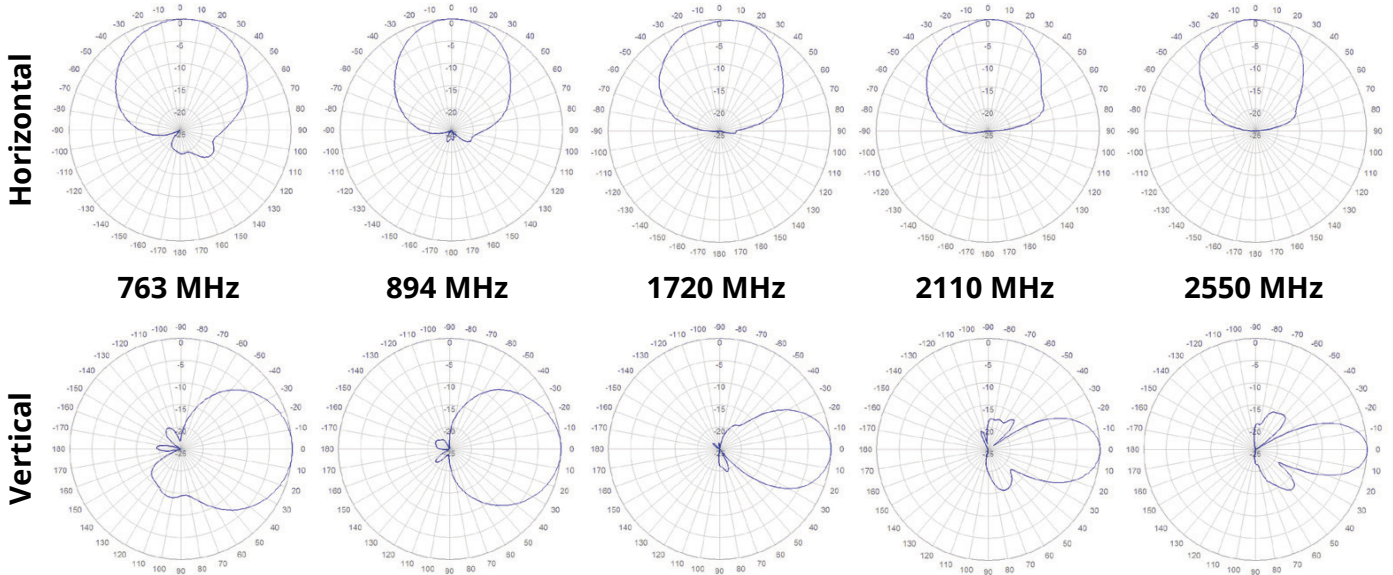
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	6.17 lbs (2.2 kg)
Antenna Depth	5.0" (127 mm)
Antenna Width	13.2" (335mm)
Antenna Height	13.8" (350mm)
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	15.3"x15.3"x7.8" / 390x390x200mm
Shipping Weight (Gross Weight)	8.8 lbs (4.0 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	04119261-05977-1
Antenna with 2x 4.3-10 DIN (F) Connectors	04127261-05977-1
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

Matting Male Connector Torque:

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