

## 60°/60° & 30°/60° Narrow Beam Directional Antenna [698-960 and 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 (30°/60°).



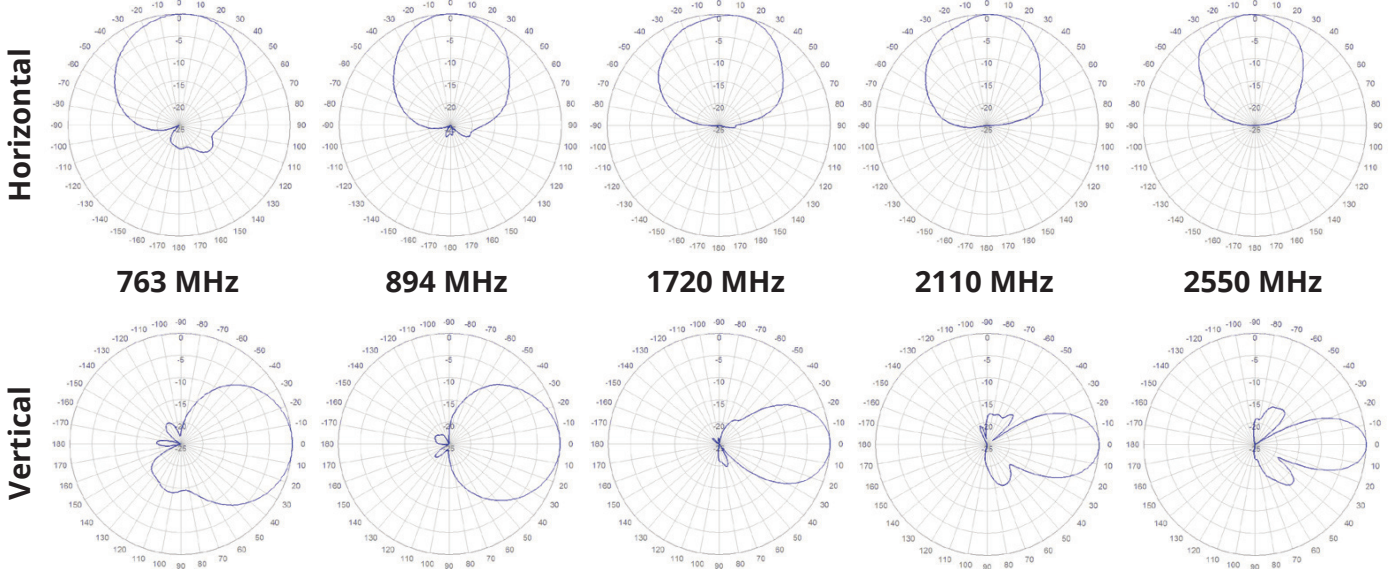
698-960 and 1695-2700 MHz, Directional Panel Antenna

Electrical Specifications							
Frequency Band [MHz]	698-790	790-960	1695-1780	1780-1990	1990-2180	2305-2360	2360-2700
Input Connector Type	2x 4.3-10 (F)						
Isolation (dB)	25						
VSWR/Return Loss (dB)	1.5:1 / 14.0						
Impedance (Ω)	50						
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 (dBi)	8.5	8.6	10.7	11.0	11.9	12.0	12.6
Avg. Gain (dBi)	7.7	8.0	10.1	10.6	11.1	11.7	12.2
Front to Back Ratio (dB)	20			25			
Max Power / Port (Watt)	150			125			
PIM @ 2x43 dBm (dBc)	-153						

Mechanical Specifications	
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	6.17 lbs (2.2 kg)
Antenna Dimension (HxWxD)	13.8" (350mm) x 13.2" (335mm) x 5.0" (127 mm)
Radome Material	PC/ABS
RoHS	Compliant
Radome Color	RAL 9016 (white)*
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	170 mph (274 km/h)

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


## 2D Antenna Patterns



## Part Numbers, Ordering Options and Accessories

Description	Mounting Kit	Part Number
60°/60° & 30°/60° Narrow Beam Directional Antenna with 2x 4.3-10 (F) Connectors	Includes 62-45-09 mounting kit assemblies	04127261-05977-1

## Mounting Brackets & Optional Accessories

Description:	Part Number:
<p><b>1 or 2 Axis Pole/Wall Mounting Bracket (wind speed up to 170 mph)</b></p> <p>The mounting bracket allows wall and pole mounting with flexible and continuous antenna adjustment in the horizontal and vertical plane.</p>	 <p>62-45-09 [Included]</p>

### Connector Torque Values:

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