



# EXTENT™ D5503i

## 60°/60° & 30°/60° Beam Directional Antenna

[MIMO 698-960 MHz and 1710-2700 MHz]


**DESCRIPTION:**

Broadband directional high gain MIMO antenna for multi purpose use.

**Electrical Specifications**

<b>Frequency Band MHz</b>	698-790	790-960	1695-1780	1780-1990	1990-2180	2305-2360	2360-2700
<b>Polarization</b>	Dual slant 45° (±45°)						
<b>VSWR/Return Loss</b>	<1.7:1/11.8 dB						
<b>Input Connector Type</b>	2x 7-16 DIN (F) or 2x 4.3-10 DIN (F), Back to Mount						
<b>Isolation (typ.)</b>	-25 dB	-25 dB	-30 dB	-30 dB	-25 dB	-25 dB	-30 dB
<b>Downfill</b>	0° fixed						
<b>Gain (max.)</b>	8.0 dBi	8.8 dBi	10.0 dBi	10.5 dBi	11.0 dBi	11.5 dBi	11.5 dBi
<b>Horizontal Beamwidth(Azimuth)</b>	67°	63°	65°	65°	58°	50°	50°
<b>Vertical Beamwidth(Elevation)</b>	69°	65°	38°	36°	30°	28°	27°
<b>Impedance</b>	50 Ω						
<b>Front to Back</b>	20 dB			25 dB			
<b>PIM @ 2x43 dBm</b>	< -150 dBc						
<b>Max.Input Power per Port</b>	150 Watts			125 Watts			

**Mechanical Specifications**

<b>Operating Temperature</b>	-40° to 158°F (-40° to +70°C)
<b>Environmental Conditions</b>	Outdoor
<b>Antenna Weight</b>	6.17 lbs (2.8 kg) (4 Ports 3.3kg)
<b>Antenna Depth</b>	5" (127mm)
<b>Antenna Width</b>	13.2" (335mm)
<b>Antenna Height</b>	13.8" (350mm)
<b>RoHs</b>	compliant
<b>Radome Color</b>	RAL 9016 (white)*
<b>Ingress Protection</b>	IP65 (Outdoor)
<b>Radome Flammability Rating</b>	UL-94-V0
<b>Wind Survival Rating</b>	150 mph (241 km/h)
<b>Shipping Dimensions (L x W x H)</b>	15.3 x 15.3 x 7.8" (390 x 390 x 200mm)
<b>Shipping Weight (Gross Weight)</b>	8.8 lbs (4 Kg)

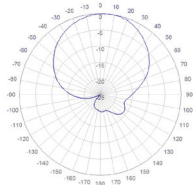
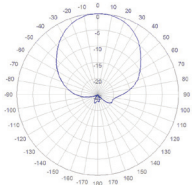
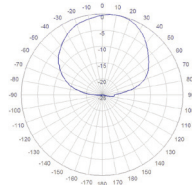
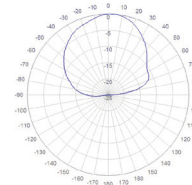
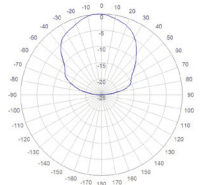
\* Radome can be painted with recommended paint "Krylon Fusion for Plastic".

**ANTENNA OPTIONS**

Part Number	Connector	Description
04119261-05977-1	2x 7-16 DIN (F)	EXTENT D5503i Antenna
04127261-05977-1	2x 4.3-10 DIN (F)	EXTENT D5503i Antenna
62-45-09		<a href="#">1 or 2-Axis Pole/Wall Mounting Bracket</a>

**MOUNTING INFORMATION:**

The mounting bracket allows wall and pole mounting with flexible and continuous antenna adjustment in the horizontal as well as in the vertical plane.


**763 MHz**

**894 MHz**

**1720 MHz**

**2110 MHz**

**2550 MHz**
