



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

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

Mechanical Specifications

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

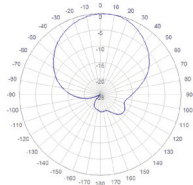
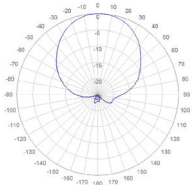
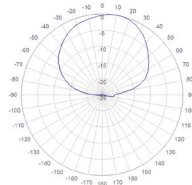
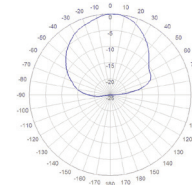
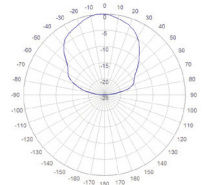
* Radome can be painted with recommended paint "Krylon Fusion for Plastic".

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		1 or 2-Axis Pole/Wall Mounting Bracket

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
