

Antenna 300736 Technical Specifications

1. Target Application

Broadband, dual polarised, quad port, basestation sector antenna designed for LTE, WiMAX & 4x2 /4x4 MIMO applications and enables network operators the best Antenna that meets their application. This antenna was specifically designed for 4Motion & Compact products, and delivers cost effective, optimized performance, including maximized spectral efficiency, superior electrical performance, small dimensions and easy installation.

2. Specification Table:

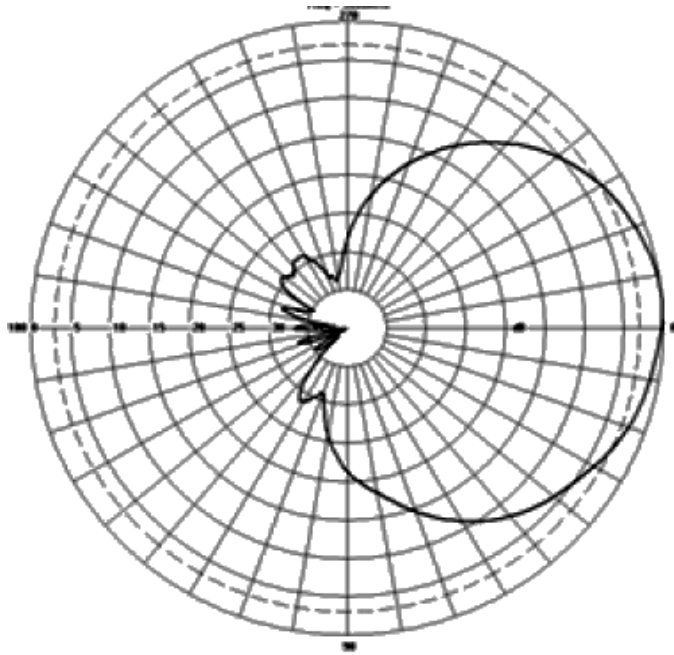
Electrical	
Frequency Range:	3300 MHz - 3800 MHz
Gain:	18.0 dBi
No. of Ports	4
Return Loss:	> 15dB
Polarisation:	+/-45° Slant
Horizontal 3dB BW:	65°
Vertical 3dB BW:	7° with Null Fill
Upper Sidelobe Suppression	>18dB
Interport Isolation	>27dB
Front to Back Ratio:	> 30dB
Electrical Down Tilt	0°
Input Impedance	50 (ohm)
Power Handling:	150W
Passive Inter Modulation (PIM)	< -140dBc
Mechanical	
Connectors:	4 x N Type Female
Connector's Location:	Bottom
Dimensions (L x W x D):	720 x 266 x 52 mm
Weight:	4Kg
Radome:	UV Stabilised Styrosun
Environmental	
Rated Wind Velocity:	200 km/h (125mph)
Lightening Protection:	DC Grounded
Temperature:	-40°C to +70°C
Regulatory Compliance	
RoHS Compliance	
Mounting Options:	Product Compatibility:
Attached Antenna - PN 700440	Compact HP 3.xGHz
Detached Antenna - PN 300737	Compact, Compact HP 3.xGHz, 4M



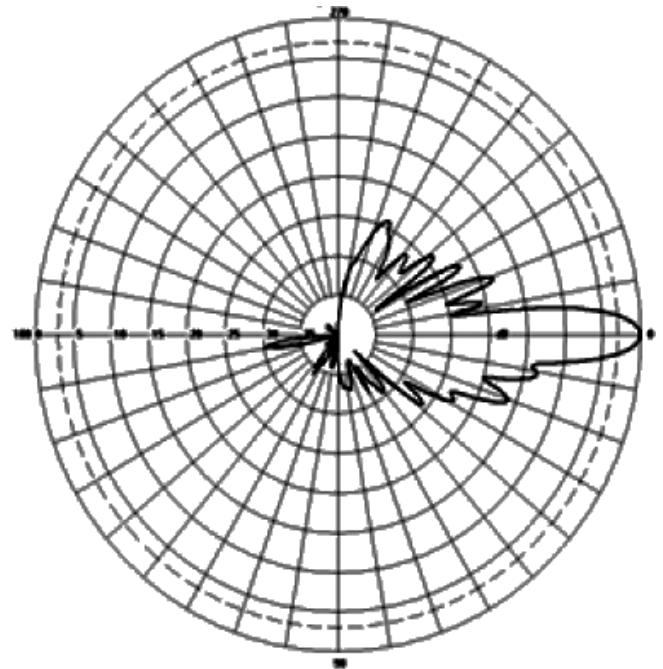
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3. Typical Radiation Patterns:

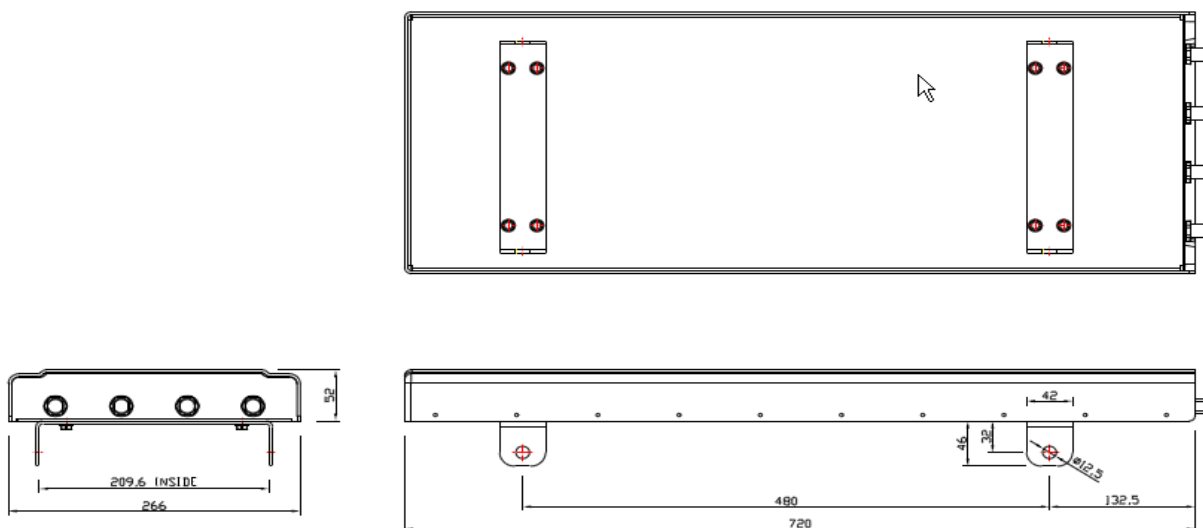
Azimuth Pattern



Elevation Pattern



4. Antenna Outline:



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5. Mounting Options Mechanical Specifications:

Attached Antenna PN 700440 Detached Antenna PN 300737		
Dimension	A=480mm, B=290mm	A=480mm, B=85mm
Weight	8.5kg	3.8kg
Mechanical Tilt	+3° ÷ -10°	+2° ÷ -10°
Pole Diameter	50÷150mm	50÷115mm
	