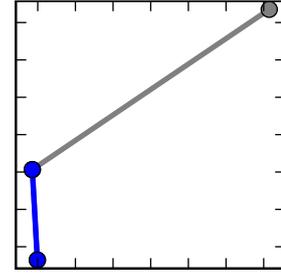




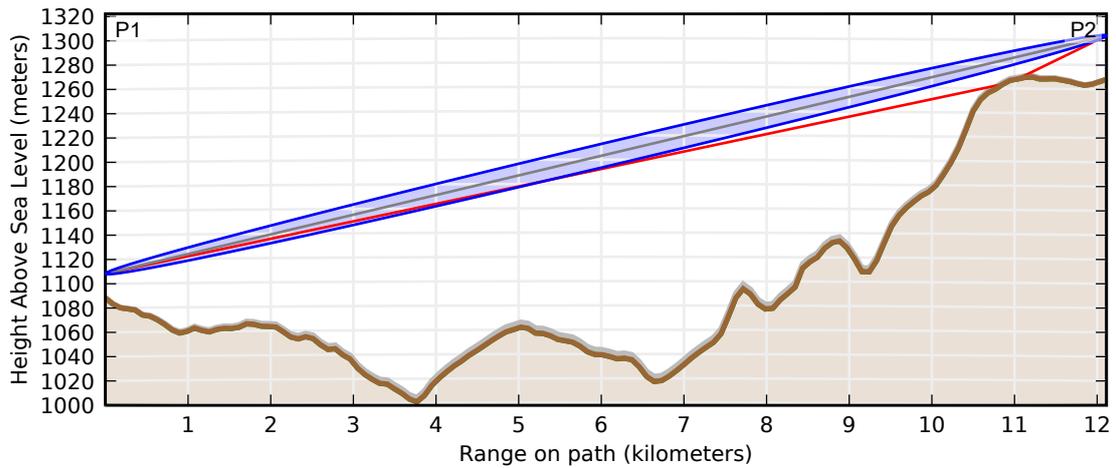
# P1 to P2



Equipment: Motorola PTP58600 Connectorised

Ubiquiti 0.6m Rocket Dish 30 01 @ 20 m

Ubiquiti 0.6m Rocket Dish 30 01 @ 36 m



	Performance to P1	Performance to P2
Mean IP	104.3 Mbps	104.3 Mbps
IP Availability	100.00000 % for 1.0 Mbps	100.00000 % for 1.0 Mbps

Link Summary			
Link Length	12.114 km	System Gain	153.33 dB
Band	5.8 GHz	System Gain Margin	23.87 dB
Regulation	ETSI	Mean Aggregate Data Rate	208.6 Mbps
Modulation	Adaptive	Annual Link Availability	100.00000 %
Bandwidth	30 MHz	Annual Link Unavailability	1 secs/year
Total Path Loss	129.47 dB		

Climatic Factors, Losses and Standards			
dN/dH not exceeded for 1% of time	-295.50 N units/km	Link Type	Line-of-Sight
Area roughness 110x110km	141.00 metre	Excess Path Loss	0.00 dB
Geoclimatic factor	1.21e-004	Atmospheric Gasses	ITU-R P.676-7, ITU-R P.835-4
Fade Occurrence Factor (Po)	3.94e-005	Diffraction Loss	ITU-R P.526-10
Path inclination	16.18 mr	Propagation	ITU-R P.530-12
0.01% Rain rate	79.95 mm/hr	Rain Rate	ITU-R P.837-5
Free Space Path Loss	129.36 dB	Refractivity Index	ITU-R P.453-9
Gaseous Absorption Loss	0.10 dB		

Part Number	Qty	Description
(no part number)	2	Ubiquiti 0.6m Rocket Dish 30 01
BP5830BHC-2	1	PTP 58600 Full Connectorised - Link Complete
WB2907	2	LPU End Kit PTP400/600 (2 kits required per Link)
WB3176	1	328 ft (100 m) Reel Outdoor Cooper Clad CAT5E (Recommended for PTP)

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