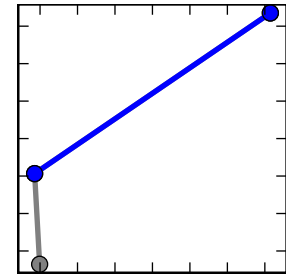




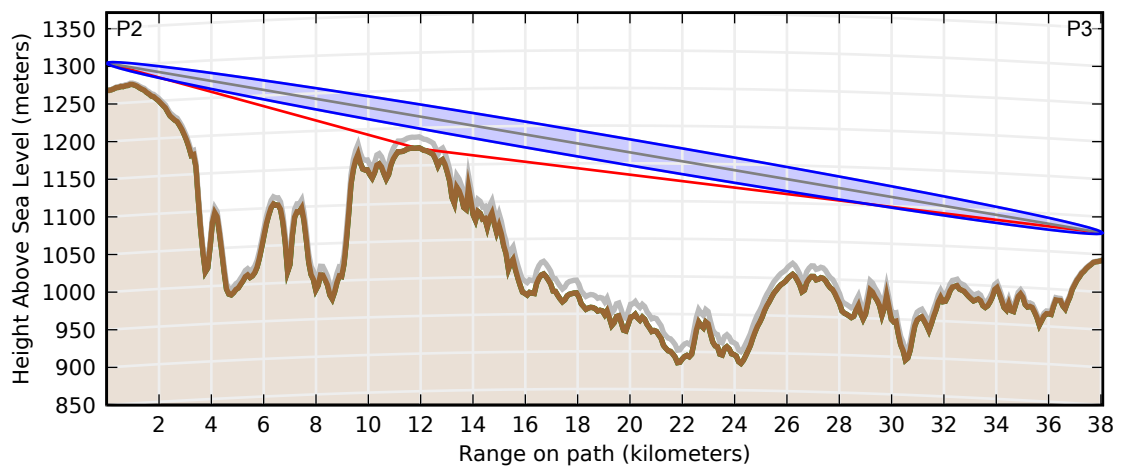
P2 to P3



Equipment: Motorola PTP58600 Connectorised

Ubiquiti 0.9m Rocket Dish 34 02 @ 36 m

Ubiquiti 0.9m Rocket Dish 34 02 @ 36 m



	Performance to P2	Performance to P3
Mean IP	66.9 Mbps	66.9 Mbps
IP Availability	99.99828 % for 1.0 Mbps	99.99828 % for 1.0 Mbps

Link Summary			
Link Length	38.071 km	System Gain	157.33 dB
Band	5.8 GHz	System Gain Margin	17.69 dB
Regulation	ETSI	Mean Aggregate Data Rate	133.8 Mbps
Modulation	Adaptive	Annual Link Availability	99.99828 %
Bandwidth	30 MHz	Annual Link Unavailability	9.0 mins/year
Total Path Loss	139.64 dB		

Climatic Factors, Losses and Standards			
dN/dH not exceeded for 1% of time	-296.24 N units/km	Link Type	Line-of-Sight
Area roughness 110x110km	166.01 metre	Excess Path Loss	0.00 dB
Geoclimatic factor	1.14e-004	Atmospheric Gasses	ITU-R P.676-7, ITU-R P.835-4
Fade Occurrence Factor (Po)	3.69e-003	Diffraction Loss	ITU-R P.526-10
Path inclination	5.93 mr	Propagation	ITU-R P.530-12
0.01% Rain rate	79.45 mm/hr	Rain Rate	ITU-R P.837-5
Free Space Path Loss	139.31 dB	Refractivity Index	ITU-R P.453-9
Gaseous Absorption Loss	0.33 dB		

Part Number	Qty	Description
(no part number)	2	Ubiquiti 0.9m Rocket Dish 34 02
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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