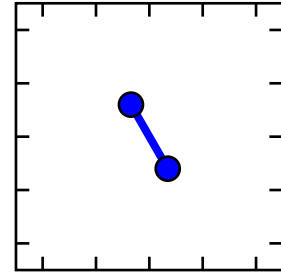




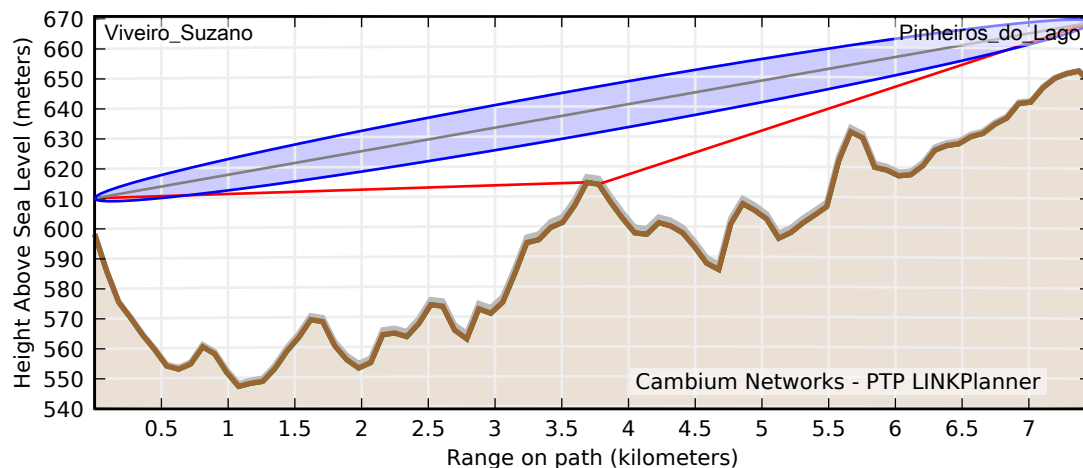
Viveiro_Suzano to Pinheiros_do_Lago



Equipment: Cambium Networks PTP58600 Connectorized

Ubiquiti Rocket Dish 30 30in Ubiquiti Rocket Dish
30 dB @ 12 m

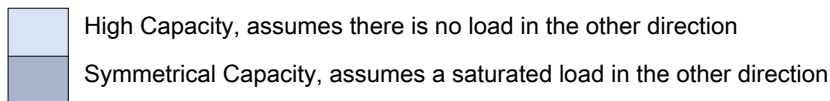
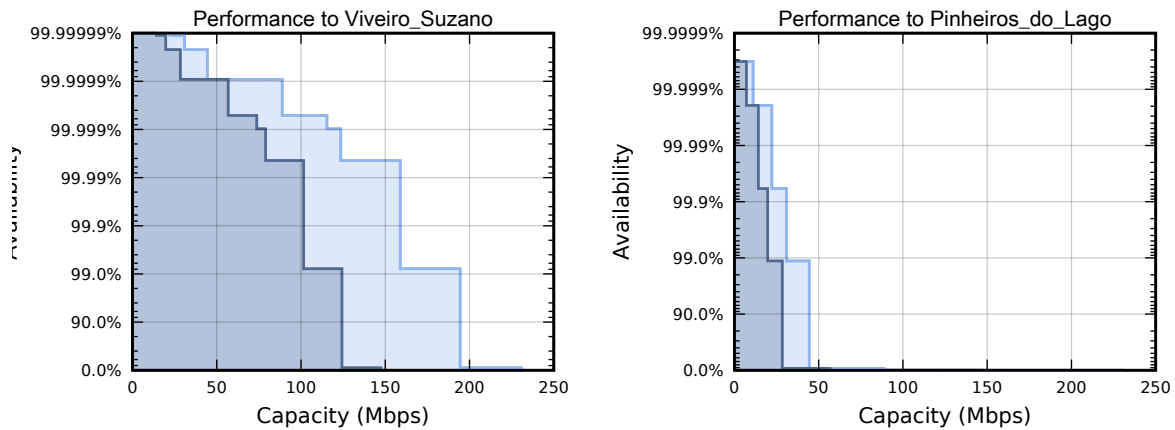
Ubiquiti Rocket Dish 30 30in Ubiquiti Rocket Dish
30 dB @ 20 m



	Performance to Viveiro_Suzano	Performance to Pinheiros_do_Lago
Mean IP	126.6 Mbps	30.4 Mbps
IP Availability	100.0000 % for 1.0 Mbps	99.9997 % for 1.0 Mbps

Link Summary			
Link Length	7.464 km	System Gain	137.11 dB
Band	5.8 GHz	System Gain Margin	11.89 dB
Regulation	Australia, Hong Kong	Mean Aggregate Data Rate	157.1 Mbps
Modulation	Adaptive	Annual Link Availability	99.9997 %
Bandwidth	30 MHz	Annual Link Unavailability	1.7 mins/year
Total Path Loss	125.22 dB	Prediction Model	ITU-R

Performance Charts



Climatic Factors, Losses and Standards

dN/dH not exceeded for 1% of time	-394.85 N units/km	Link Type	Line-of-Sight
Area roughness 110x110km	117.18 metre	Excess Path Loss	0.00 dB
Geoclimatic factor	2.60e-004	Atmospheric Gasses	ITU-R P.676-7, ITU-R P.835-4
Fade Occurrence Factor (P0)	9.06e-005	Diffraction Loss	ITU-R P.526-10
Path inclination	7.85 mr	Propagation	ITU-R P.530-12
0.01% Rain rate	69.75 mm/hr	Rain Rate	ITU-R P.837-5
Free Space Path Loss	125.16 dB	Refractivity Index	ITU-R P.453-9
Gaseous Absorption Loss	0.06 dB		

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

Cambium Networks assumes no responsibility for the accuracy of the information produced by the Cambium PTP LINKPlanner. Reference to products or services which are not provided by Cambium Networks is for information purposes only and constitutes neither an endorsement nor a recommendation. All information provided by the Cambium PTP LINKPlanner is provided without warranty of any kind, either expressed or implied.

All product or service names are the property of their respective owners. © Cambium Networks. 2012