



SITE INFORMATION

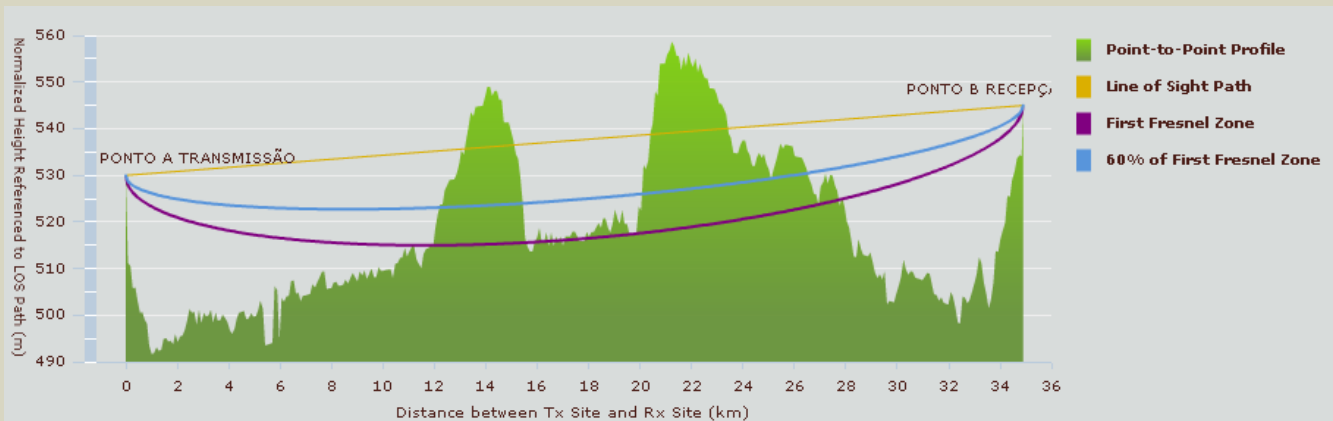
Tx Site Name	: PONTO A TRANSMISSÃO	Rx Site Name	: PONTO B RECEPÇÃO
Radio Type	: LigoPTP 5 Mimo	Radio Type	: LigoPTP 5 Mimo
Latitude	: 17° 21' 3.24" S (17.3509)	Latitude	: 17° 38' 18.18" S (17.638383)
Longitude	: 44° 55' 9.97" W (44.919436)	Longitude	: 45° 3' 4.79" W (45.051331)
Tx Power	: 25 dBm	Rx Threshold	: -94 dBm
Ant. Gain	: 29 dBi	Ant. Gain	: 29 dBi
Ant. Height	: 18 meters	Ant. Height	: 10 meters

PARAMETERS

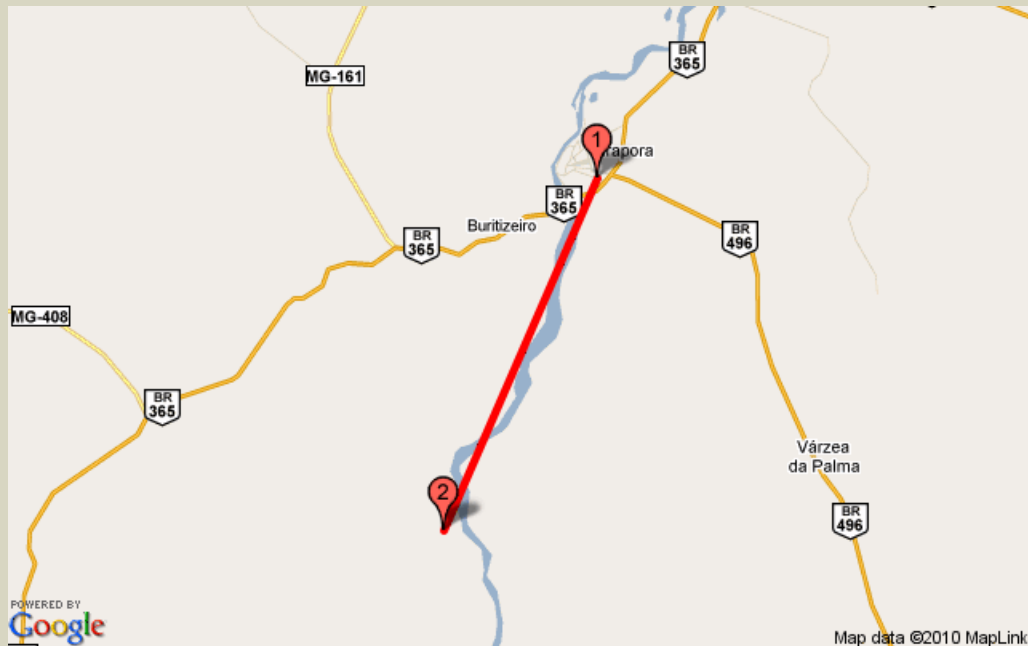
Frequency	: 5800 MHz	Climate	: Continental Temperate
Ant. Polarization	: Horizontal	Measurement System	: Metric System
Misc. Loss	: 0 dBm	Rain Rate	: 0 mm/hr

RESULTS

Total Path Loss	: 171.31 dBm	Thermal Fade Margin	: 5.69 dBm
Rx Signal Level	: -88.31 dBm	Distance between sites	: 34.9 km
EIRP	: 54 dBm	Link availability due to rain	: N/A%



MAP



Path Loss:171.31 dBm

20MHz CHANNEL					
MODULATION	RX LEVEL	FADE MARGIN	AVAILABILITY	TX/RX	MAX THROUGHPUT
BPSK 1/2	-88.31 dBm	5.69 dBm	N/A%	1X1	6 Mbps
QPSK 1/2	-88.31 dBm	2.69 dBm	N/A%	1X1	12 Mbps
QPSK 3/4	-88.31 dBm	0.69 dBm	N/A%	1X1	18 Mbps
16-QAM 1/2	-89.31 dBm	-3.31 dBm	0%	1X1	22 Mbps
16-QAM 3/4	-91.31 dBm	-9.31 dBm	0%	1X1	38 Mbps
64-QAM 2/3	-92.31 dBm	-15.31 dBm	0%	1X1	44 Mbps
64-QAM 3/4	-93.31 dBm	-18.31 dBm	0%	1X1	50 Mbps
64-QAM 5/6	-94.31 dBm	-21.31 dBm	0%	1X1	55 Mbps
BPSK 1/2	-88.31 dBm	5.69 dBm	N/A%	2X2	12 Mbps
QPSK 1/2	-88.31 dBm	2.69 dBm	N/A%	2X2	24 Mbps
QPSK 3/4	-88.31 dBm	0.69 dBm	N/A%	2X2	36 Mbps
16-QAM 1/2	-89.31 dBm	-3.31 dBm	0%	2X2	44 Mbps
16-QAM 3/4	-91.31 dBm	-9.31 dBm	0%	2X2	76 Mbps
64-QAM 2/3	-92.31 dBm	-15.31 dBm	0%	2X2	88 Mbps
64-QAM 3/4	-93.31 dBm	-18.31 dBm	0%	2X2	100 Mbps
64-QAM 5/6	-94.31 dBm	-21.31 dBm	0%	2X2	110 Mbps

40MHz CHANNEL					
MODULATION	RX LEVEL	FADE MARGIN	AVAILABILITY	TX/RX	MAX THROUGHPUT
BPSK 1/2	-88.31 dBm	5.69 dBm	N/A%	1X1	12 Mbps
QPSK 1/2	-88.31 dBm	2.69 dBm	N/A%	1X1	24 Mbps
QPSK 3/4	-88.31 dBm	0.69 dBm	N/A%	1X1	36 Mbps
16-QAM 1/2	-89.31 dBm	-3.31 dBm	0%	1X1	44 Mbps
16-QAM 3/4	-91.31 dBm	-9.31 dBm	0%	1X1	76 Mbps
64-QAM 2/3	-92.31 dBm	-15.31 dBm	0%	1X1	88 Mbps
64-QAM 3/4	-93.31 dBm	-18.31 dBm	0%	1X1	100 Mbps
64-QAM 5/6	-94.31 dBm	-21.31 dBm	0%	1X1	110 Mbps
BPSK 1/2	-88.31 dBm	5.69 dBm	N/A%	2X2	24 Mbps
QPSK 1/2	-88.31 dBm	2.69 dBm	N/A%	2X2	48 Mbps
QPSK 3/4	-88.31 dBm	0.69 dBm	N/A%	2X2	72 Mbps
16-QAM 1/2	-89.31 dBm	-3.31 dBm	0%	2X2	88 Mbps
16-QAM 3/4	-91.31 dBm	-9.31 dBm	0%	2X2	115 Mbps
64-QAM 2/3	-92.31 dBm	-15.31 dBm	0%	2X2	135 Mbps
64-QAM 3/4	-93.31 dBm	-18.31 dBm	0%	2X2	160 Mbps
64-QAM 5/6	-94.31 dBm	-21.31 dBm	0%	2X2	180 Mbps