



LigoWave Link Analysis Report

Date Generated: 10/5/2012 6:47 AM EST

Site Information

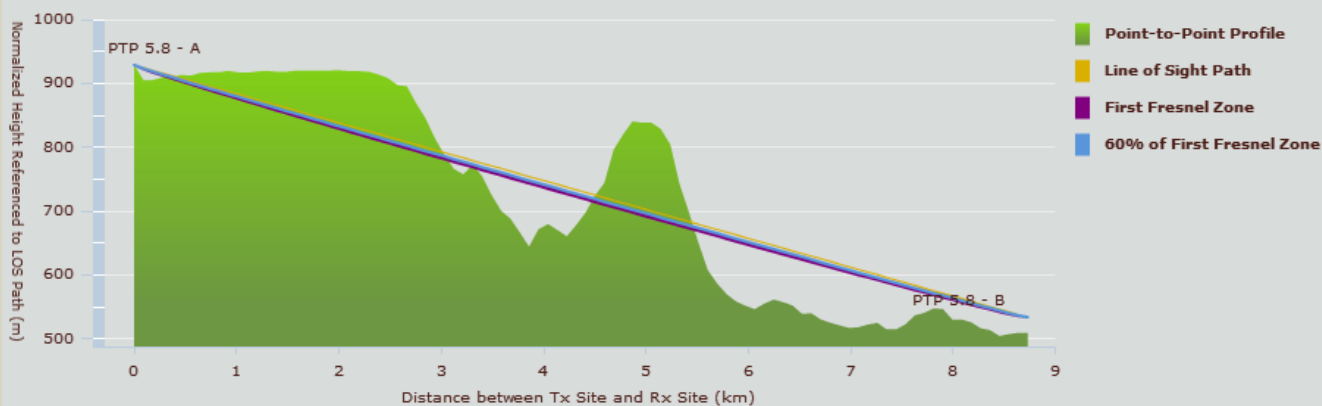
Tx Site Name	Tx Site Name	Rx Site Name	Rx Site Name
Radio Type	LigoPTP 5 Mimo	Radio Type	LigoPTP 5 Mimo
Latitude	7° 42' 15.47 S (7.704297)	Latitude	7° 40' 57.82 S (7.682728)
Longitude	39° 52' 43.32 O (39.8787)	Longitude	39° 48' 9.01 O (39.802503)
Tx Power	25 dBm	RX Threshold	-94 dBm
Ant. Gain	29 dBi	Ant. Gain	29 dBi
Ant. Height	25 meters	Ant. Height	25 meters

Parameters

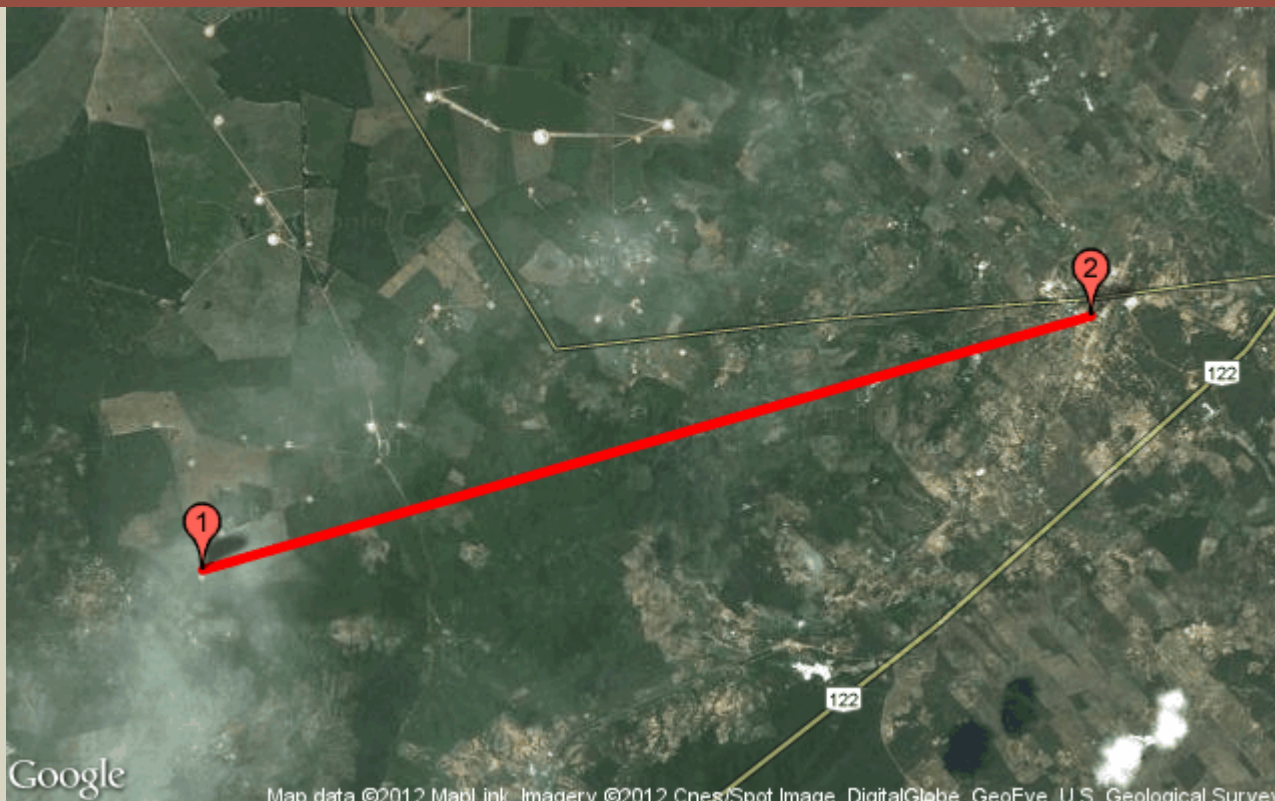
Frequency	5800 MHz	Climate	Continental Temperate
Ant. Polarization	Vertical	Measurement	Metric System
Misc. Loss	0 dBm	Rain Rate	0 mm/hr

Results

Total Path Loss	218.17 dBm	Total Fade Margin	-41.17 dBm
RX Signal Level	-135.17 dBm	Distance between sites	8.73 km
EIRP	54 dBm	Link availability due to rain	0



MAP



DISCLAIMER: These results are provided with no guarantee or warranty.

20MHz CHANNEL					
MODULATION	RX LEVEL	FADE MARGIN	AVAILABILITY	TX/RX	MAX THROUGHPUT
BPSK 1/2	-135.17 dBm	-41.17 dBm	0%	1X1	6 Mbps
QPSK 1/2	-135.17 dBm	-44.17 dBm	0%	1X1	12 Mbps
QPSK 3/4	-135.17 dBm	-46.17 dBm	0%	1X1	18 Mbps
16-QAM 1/2	-136.17 dBm	-50.17 dBm	0%	1X1	22 Mbps
16-QAM 3/4	-138.17 dBm	-56.17 dBm	0%	1X1	38 Mbps
64-QAM 2/3	-139.17 dBm	-62.17 dBm	0%	1X1	44 Mbps
64-QAM 3/4	-140.17 dBm	-65.17 dBm	0%	1X1	50 Mbps
64-QAM 5/6	-141.17 dBm	-68.17 dBm	0%	1X1	55 Mbps
BPSK 1/2	-135.17 dBm	-41.17 dBm	0%	2X2	12 Mbps
QPSK 1/2	-135.17 dBm	-44.17 dBm	0%	2X2	24 Mbps
QPSK 3/4	-135.17 dBm	-46.17 dBm	0%	2X2	36 Mbps
16-QAM 1/2	-136.17 dBm	-50.17 dBm	0%	2X2	44 Mbps
16-QAM 3/4	-138.17 dBm	-56.17 dBm	0%	2X2	76 Mbps
64-QAM 2/3	-139.17 dBm	-62.17 dBm	0%	2X2	88 Mbps
64-QAM 3/4	-140.17 dBm	-65.17 dBm	0%	2X2	100 Mbps
64-QAM 5/6	-141.17 dBm	-68.17 dBm	0%	2X2	110 Mbps

40MHz CHANNEL					
MODULATION	RX LEVEL	FADE MARGIN	AVAILABILITY	TX/RX	MAX THROUGHPUT
BPSK 1/2	-135.17 dBm	-41.17 dBm	0%	1X1	12 Mbps
QPSK 1/2	-135.17 dBm	-44.17 dBm	0%	1X1	24 Mbps
QPSK 3/4	-135.17 dBm	-46.17 dBm	0%	1X1	36 Mbps
16-QAM 1/2	-136.17 dBm	-50.17 dBm	0%	1X1	44 Mbps
16-QAM 3/4	-138.17 dBm	-56.17 dBm	0%	1X1	76 Mbps
64-QAM 2/3	-139.17 dBm	-62.17 dBm	0%	1X1	88 Mbps
64-QAM 3/4	-140.17 dBm	-65.17 dBm	0%	1X1	100 Mbps
64-QAM 5/6	-141.17 dBm	-68.17 dBm	0%	1X1	110 Mbps
BPSK 1/2	-135.17 dBm	-41.17 dBm	0%	2X2	24 Mbps
QPSK 1/2	-135.17 dBm	-44.17 dBm	0%	2X2	48 Mbps
QPSK 3/4	-135.17 dBm	-46.17 dBm	0%	2X2	72 Mbps
16-QAM 1/2	-136.17 dBm	-50.17 dBm	0%	2X2	88 Mbps
16-QAM 3/4	-138.17 dBm	-56.17 dBm	0%	2X2	115 Mbps
64-QAM 2/3	-139.17 dBm	-62.17 dBm	0%	2X2	135 Mbps
64-QAM 3/4	-140.17 dBm	-65.17 dBm	0%	2X2	160 Mbps
64-QAM 5/6	-141.17 dBm	-68.17 dBm	0%	2X2	180 Mbps

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