



SITE INFORMATION

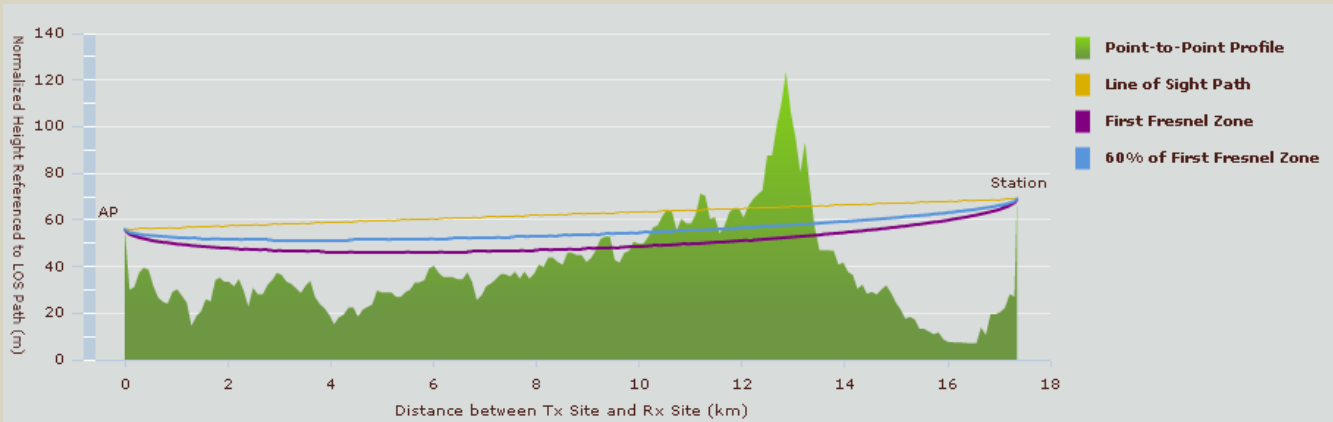
Tx Site Name	: AP	Rx Site Name	: Station
Radio Type	: LigoPTP 5-N	Radio Type	: LigoPTP 5-N
Latitude	: 3° 43' 45.52" S (3.729311)	Latitude	: 3° 38' 49.67" S (3.647131)
Longitude	: 38° 39' 56.21" W (38.665614)	Longitude	: 38° 47' 54.76" W (38.798544)
Tx Power	: 25 dBm	Rx Threshold	: -94 dBm
Ant. Gain	: 34 dBi	Ant. Gain	: 34 dBi
Ant. Height	: 25 meters	Ant. Height	: 42 meters

PARAMETERS

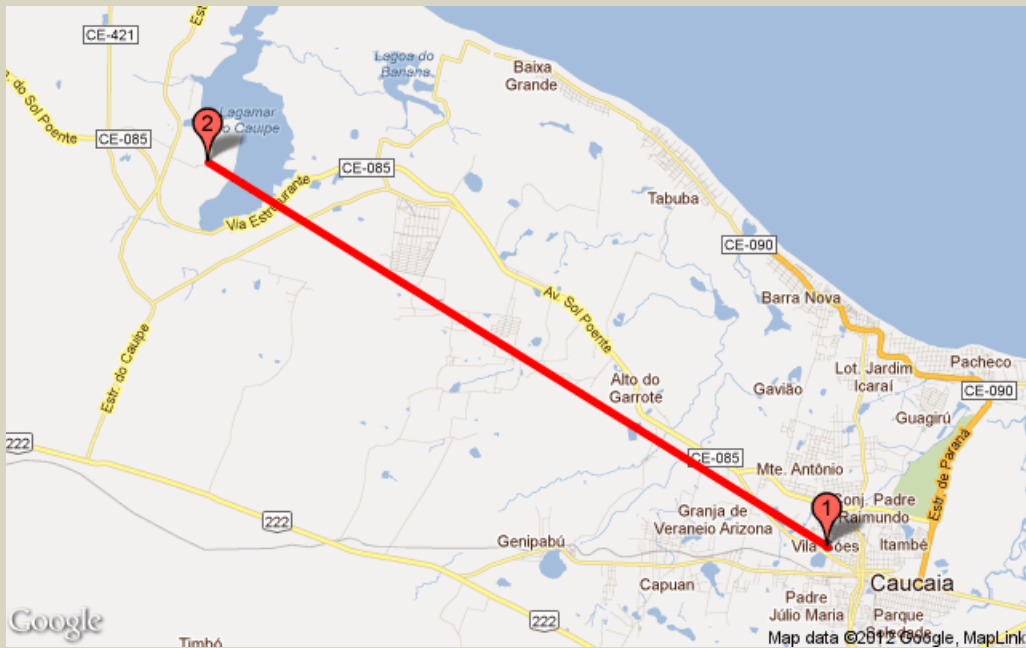
Frequency	: 5800 MHz	Climate	: Maritime Subtropical
Ant. Polarization	: Vertical	Measurement System	: Metric System
Misc. Loss	: 0 dBm	Rain Rate	: 0 mm/hr

RESULTS

Total Path Loss	: 197.95 dBm	Thermal Fade Margin	: -10.95 dBm
Rx Signal Level	: -104.95 dBm	Distance between sites	: 17.35 km
EIRP	: 59 dBm	Link availability due to rain	: 0%



MAP



Path Loss:197.95 dBm

5MHz CHANNEL				
MODULATION	RX LEVEL	FADE MARGIN	AVAILABILITY	MAX THROUGHPUT
BPSK 1/2	-104.95 dBm	-10.95 dBm	0%	1.25 Mbps
BPSK 3/4	-104.95 dBm	-11.95 dBm	0%	2 Mbps
QPSK 1/2	-104.95 dBm	-13.95 dBm	0%	2.5 Mbps
QPSK 3/4	-104.95 dBm	-15.95 dBm	0%	3.75 Mbps
16-QAM 1/2	-104.95 dBm	-18.95 dBm	0%	4.5 Mbps
16-QAM 3/4	-105.95 dBm	-23.95 dBm	0%	6.75 Mbps
64-QAM 2/3	-107.95 dBm	-30.95 dBm	0%	9 Mbps
64-QAM 3/4	-108.95 dBm	-33.95 dBm	0%	10 Mbps

10MHz CHANNEL				
MODULATION	RX LEVEL	FADE MARGIN	AVAILABILITY	MAX THROUGHPUT
BPSK 1/2	-104.95 dBm	-10.95 dBm	0%	2.5 Mbps
BPSK 3/4	-104.95 dBm	-11.95 dBm	0%	4 Mbps
QPSK 1/2	-104.95 dBm	-13.95 dBm	0%	5 Mbps
QPSK 3/4	-104.95 dBm	-15.95 dBm	0%	7.5 Mbps
16-QAM 1/2	-104.95 dBm	-18.95 dBm	0%	9 Mbps
16-QAM 3/4	-105.95 dBm	-23.95 dBm	0%	13.5 Mbps
64-QAM 2/3	-107.95 dBm	-30.95 dBm	0%	18 Mbps
64-QAM 3/4	-108.95 dBm	-33.95 dBm	0%	20 Mbps

20MHz CHANNEL				
MODULATION	RX LEVEL	FADE MARGIN	AVAILABILITY	MAX THROUGHPUT
BPSK 1/2	-104.95 dBm	-10.95 dBm	0%	5 Mbps
BPSK 3/4	-104.95 dBm	-11.95 dBm	0%	8 Mbps
QPSK 1/2	-104.95 dBm	-13.95 dBm	0%	10 Mbps
QPSK 3/4	-104.95 dBm	-15.95 dBm	0%	15 Mbps
16-QAM 1/2	-104.95 dBm	-18.95 dBm	0%	18 Mbps
16-QAM 3/4	-105.95 dBm	-23.95 dBm	0%	27 Mbps
64-QAM 2/3	-107.95 dBm	-30.95 dBm	0%	36 Mbps
64-QAM 3/4	-108.95 dBm	-33.95 dBm	0%	40 Mbps

40MHz CHANNEL				
MODULATION	RX LEVEL	FADE MARGIN	AVAILABILITY	MAX THROUGHPUT
BPSK 1/2	-104.95 dBm	-10.95 dBm	0%	10 Mbps
BPSK 3/4	-104.95 dBm	-11.95 dBm	0%	16 Mbps
QPSK 1/2	-104.95 dBm	-13.95 dBm	0%	20 Mbps
QPSK 3/4	-104.95 dBm	-15.95 dBm	0%	30 Mbps
16-QAM 1/2	-104.95 dBm	-18.95 dBm	0%	36 Mbps
16-QAM 3/4	-105.95 dBm	-23.95 dBm	0%	54 Mbps
64-QAM 2/3	-107.95 dBm	-30.95 dBm	0%	65 Mbps
64-QAM 3/4	-108.95 dBm	-33.95 dBm	0%	72 Mbps