



Ce Tech Informatica Link Analysis Report

Data : 10/01/2017 10:56 EST

Informações do Local

Nome do Local TX	AP	Nome do Local de RX	ST
Tipo de rádio	LigoPTP 5-23 RapidFire	Tipo de rádio	LigoPTP 5-23 RapidFire
Latitude	-21.935	Latitude	-22.044
Longitude	-48.293	Longitude	-48.337
Potência TX	23.0 dBm	Limite de RX	-96.0 dBm
Ganho da Ant.	30.0 dBi	Ganho da Ant.	30.0 dBi
Altura da Ant.	32.0 medir	Altura da Ant.	28.0 medir

Parâmetros

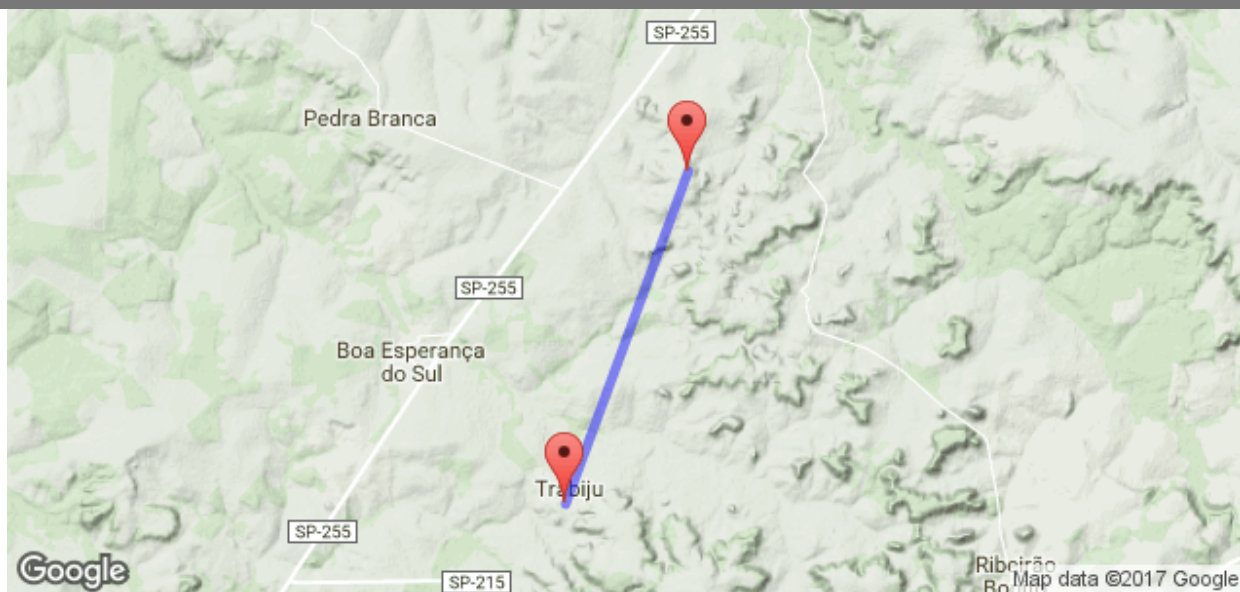
Frequência	5800.0 MHz	Clima	Unknown
Polarização da Ant.	Vertical	Sistema de medida	Sistema métrico
Perdas Diversas	0.0 dBm	Taxa de chuva	0.0 mm/hr

Resultados

Perdas Espaço Livre	130 dBm	Margem de esmaecimento térmico	49 dBm
Nível de sinal de RX	-47.056 dBm	Distância entre TX/RX	12.89 km
E.I.R.P.	53.0 dBm	Disp. Durante a chuva	N/A



Mapas



5MHz Canal					
Modulação	Nível de RX	Margem de Segurança	Disp. Durante a Chuva	TX/RX	Taxa de transferência máxima
BPSK 1/2	-42.06 dBm	54 dBm	N/A	1x1	2 Mbps
QPSK 1/2	-42.06 dBm	51 dBm	N/A	1x1	3 Mbps
QPSK 3/4	-42.06 dBm	49 dBm	N/A	1x1	4 Mbps
16-QAM 1/2	-42.06 dBm	43 dBm	N/A	1x1	5 Mbps
16-QAM 3/4	-42.06 dBm	41 dBm	N/A	1x1	8 Mbps
64-QAM 2/3	-43.06 dBm	36 dBm	N/A	1x1	11 Mbps
64-QAM 3/4	-44.06 dBm	34 dBm	N/A	1x1	12.5 Mbps
64-QAM 5/6	-46.06 dBm	30 dBm	N/A	1x1	13.5 Mbps
256-QAM 3/4	-46.06 dBm	26 dBm	N/A	1x1	16 Mbps
BPSK 1/2	-42.06 dBm	54 dBm	N/A	2x2	3 Mbps
QPSK 1/2	-42.06 dBm	51 dBm	N/A	2x2	6 Mbps
QPSK 3/4	-42.06 dBm	49 dBm	N/A	2x2	9 Mbps
16-QAM 1/2	-42.06 dBm	43 dBm	N/A	2x2	11 Mbps
16-QAM 3/4	-42.06 dBm	41 dBm	N/A	2x2	16 Mbps
64-QAM 2/3	-43.06 dBm	36 dBm	N/A	2x2	22 Mbps
64-QAM 3/4	-44.06 dBm	34 dBm	N/A	2x2	25 Mbps
64-QAM 5/6	-46.06 dBm	30 dBm	N/A	2x2	28 Mbps
256-QAM 3/4	-46.06 dBm	26 dBm	N/A	2x2	33 Mbps

10MHz Canal					
Modulação	Nível de RX	Margem de Segurança	Disp. Durante a Chuva	TX/RX	Taxa de transferência máxima
BPSK 1/2	-42.06 dBm	54 dBm	N/A	1x1	3 Mbps
QPSK 1/2	-42.06 dBm	51 dBm	N/A	1x1	6 Mbps
QPSK 3/4	-42.06 dBm	49 dBm	N/A	1x1	9 Mbps
16-QAM 1/2	-42.06 dBm	43 dBm	N/A	1x1	11 Mbps
16-QAM 3/4	-42.06 dBm	41 dBm	N/A	1x1	19 Mbps
64-QAM 2/3	-43.06 dBm	36 dBm	N/A	1x1	22 Mbps
64-QAM 3/4	-44.06 dBm	34 dBm	N/A	1x1	25 Mbps
64-QAM 5/6	-46.06 dBm	30 dBm	N/A	1x1	27.5 Mbps
256-QAM 3/4	-46.06 dBm	26 dBm	N/A	1x1	35 Mbps
BPSK 1/2	-42.06 dBm	54 dBm	N/A	2x2	6 Mbps
QPSK 1/2	-42.06 dBm	51 dBm	N/A	2x2	12 Mbps
QPSK 3/4	-42.06 dBm	49 dBm	N/A	2x2	18 Mbps
16-QAM 1/2	-42.06 dBm	43 dBm	N/A	2x2	22 Mbps
16-QAM 3/4	-42.06 dBm	41 dBm	N/A	2x2	38 Mbps
64-QAM 2/3	-43.06 dBm	36 dBm	N/A	2x2	47 Mbps
64-QAM 3/4	-44.06 dBm	34 dBm	N/A	2x2	52 Mbps
64-QAM 5/6	-46.06 dBm	30 dBm	N/A	2x2	57 Mbps
256-QAM 3/4	-46.06 dBm	26 dBm	N/A	2x2	70 Mbps

20MHz Canal					
Modulação	Nível de RX	Margem de Segurança	Disp. Durante a Chuva	TX/RX	Taxa de transferência máxima
BPSK 1/2	-42.06 dBm	54 dBm	N/A	1x1	6 Mbps
QPSK 1/2	-42.06 dBm	51 dBm	N/A	1x1	12 Mbps
QPSK 3/4	-42.06 dBm	49 dBm	N/A	1x1	18 Mbps
16-QAM 1/2	-42.06 dBm	43 dBm	N/A	1x1	23 Mbps
16-QAM 3/4	-42.06 dBm	41 dBm	N/A	1x1	33 Mbps
64-QAM 2/3	-43.06 dBm	36 dBm	N/A	1x1	47 Mbps
64-QAM 3/4	-44.06 dBm	34 dBm	N/A	1x1	52 Mbps
64-QAM 5/6	-46.06 dBm	30 dBm	N/A	1x1	57 Mbps
256-QAM 3/4	-47.06 dBm	25 dBm	N/A	1x1	71 Mbps
BPSK 1/2	-42.06 dBm	54 dBm	N/A	2x2	13 Mbps
QPSK 1/2	-42.06 dBm	51 dBm	N/A	2x2	25 Mbps
QPSK 3/4	-42.06 dBm	49 dBm	N/A	2x2	36 Mbps
16-QAM 1/2	-42.06 dBm	43 dBm	N/A	2x2	47 Mbps
16-QAM 3/4	-42.06 dBm	41 dBm	N/A	2x2	66 Mbps
64-QAM 2/3	-43.06 dBm	36 dBm	N/A	2x2	95 Mbps
64-QAM 3/4	-44.06 dBm	34 dBm	N/A	2x2	105 Mbps
64-QAM 5/6	-46.06 dBm	30 dBm	N/A	2x2	115 Mbps
256-QAM 3/4	-47.06 dBm	25 dBm	N/A	2x2	143 Mbps

40MHz Canal					
Modulação	Nível de RX	Margem de Segurança	Disp. Durante a Chuva	TX/RX	Taxa de transferência máxima
BPSK 1/2	-42.06 dBm	51 dBm	N/A	1x1	13 Mbps
QPSK 1/2	-42.06 dBm	49 dBm	N/A	1x1	24 Mbps
QPSK 3/4	-42.06 dBm	46 dBm	N/A	1x1	38 Mbps
16-QAM 1/2	-43.06 dBm	41 dBm	N/A	1x1	49 Mbps
16-QAM 3/4	-43.06 dBm	38 dBm	N/A	1x1	73 Mbps
64-QAM 2/3	-44.06 dBm	33 dBm	N/A	1x1	98 Mbps

64-QAM 3/4	-45.06 dBm	30 dBm	N/A	1x1	108 Mbps
64-QAM 5/6	-46.06 dBm	27 dBm	N/A	1x1	123 Mbps
256-QAM 3/4	-47.06 dBm	22 dBm	N/A	1x1	147 Mbps
256-QAM 5/6	-48.06 dBm	19 dBm	N/A	1x1	165 Mbps
BPSK 1/2	-42.06 dBm	51 dBm	N/A	2x2	26 Mbps
QPSK 1/2	-42.06 dBm	49 dBm	N/A	2x2	48 Mbps
QPSK 3/4	-42.06 dBm	45 dBm	N/A	2x2	76 Mbps
16-QAM 1/2	-43.06 dBm	41 dBm	N/A	2x2	98 Mbps
16-QAM 3/4	-43.06 dBm	40 dBm	N/A	2x2	147 Mbps
64-QAM 2/3	-44.06 dBm	37 dBm	N/A	2x2	196 Mbps
64-QAM 3/4	-45.06 dBm	32 dBm	N/A	2x2	217 Mbps
64-QAM 5/6	-46.06 dBm	29 dBm	N/A	2x2	246 Mbps
256-QAM 3/4	-47.06 dBm	27 dBm	N/A	2x2	295 Mbps
256-QAM 5/6	-48.06 dBm	22 dBm	N/A	2x2	330 Mbps

80MHz Canal					
Modulação	Nível de RX	Margem de Segurança	Disp. Durante a Chuva	TX/RX	Taxa de transferência máxima
BPSK 1/2	-42.06 dBm	49 dBm	N/A	1x1	24 Mbps
QPSK 1/2	-42.06 dBm	46 dBm	N/A	1x1	55 Mbps
QPSK 3/4	-42.06 dBm	43 dBm	N/A	1x1	81 Mbps
16-QAM 1/2	-43.06 dBm	38 dBm	N/A	1x1	105 Mbps
16-QAM 3/4	-43.06 dBm	35 dBm	N/A	1x1	158 Mbps
64-QAM 2/3	-44.06 dBm	30 dBm	N/A	1x1	215 Mbps
64-QAM 3/4	-45.06 dBm	27 dBm	N/A	1x1	241 Mbps
64-QAM 5/6	-46.06 dBm	24 dBm	N/A	1x1	268 Mbps
256-QAM 3/4	-47.06 dBm	19 dBm	N/A	1x1	320 Mbps
256-QAM 5/6	-48.06 dBm	16 dBm	N/A	1x1	350 Mbps
BPSK 1/2	-42.06 dBm	49 dBm	N/A	2x2	48 Mbps
QPSK 1/2	-42.06 dBm	46 dBm	N/A	2x2	110 Mbps
QPSK 3/4	-42.06 dBm	43 dBm	N/A	2x2	162 Mbps
16-QAM 1/2	-43.06 dBm	38 dBm	N/A	2x2	210 Mbps
16-QAM 3/4	-43.06 dBm	35 dBm	N/A	2x2	315 Mbps
64-QAM 2/3	-44.06 dBm	30 dBm	N/A	2x2	430 Mbps
64-QAM 3/4	-45.06 dBm	27 dBm	N/A	2x2	482 Mbps
64-QAM 5/6	-46.06 dBm	24 dBm	N/A	2x2	535 Mbps
256-QAM 3/4	-47.06 dBm	19 dBm	N/A	2x2	640 Mbps
256-QAM 5/6	-48.06 dBm	16 dBm	N/A	2x2	700 Mbps