

Ganancia antena tx	11
Campo mínimo Servicio	42,395757
Campo mínimo proteccion	30,375157
Limite de Perfil	15,00

Distancia (d)	Altura (h)	Altura de tx efectiva valida	Ganancia real (Gi)	Atenuación de Espacio Libre (Ael)	Lb Hata (LbH)	E (LbH)	Potencia Rx (LbH)	Distancia (d)
0,00	1101,00	30,00	11	0	0	178,3951567	49,3894	0
0,0958	1128,3	30,00	-14	63,96307	81,0561	72,33905584	-56,666701	0,0958
0,1916	1153,4	30,00	-1	69,98367	91,65984	74,73531766	-54,270439	0,1916
0,2874	1182,5	30,00	0,5	73,50549	97,86263	70,03252845	-58,973228	0,2874
0,3832	1214	30,00	0	76,00427	102,2636	65,13157947	-63,874177	0,3832
0,4791	1220,3	30,00	1	77,94428	105,6804	62,71474485	-66,291012	0,4791
0,5749	1213	30,00	-5	79,5276	108,469	53,92612906	-75,079628	0,5749
0,6707	1193,6	30,00	-2	80,86632	110,8268	54,56831819	-74,437438	0,6707
0,7665	1166,6	30,00	8	82,026	112,8693	62,52584534	-66,479911	0,7665
0,8623	1138,3	30,00	10	83,04892	114,6709	62,72422687	-66,28153	0,8623
0,9581	1128,8	30,00	10,5	83,96397	116,2826	61,61260328	-67,393153	0,9581
1,0539	1157	30,00	10	84,79174	117,7405	59,65469707	-69,35106	1,0539
1,1497	1194,7	30,00	8	85,54745	119,0714	56,32372142	-72,682035	1,1497
1,2455	1225,6	30,00	5	86,24263	120,2958	52,0993336	-76,906423	1,2455
1,3414	1246,9	30,00	2	86,88692	121,4306	47,96458001	-81,041177	1,3414
1,4372	1237,8	30,00	5	87,4861	122,4859	49,90928185	-79,096475	1,4372
1,533	1210,8	30,00	8	88,0466	123,473	51,92210716	-77,083649	1,533
1,6288	1171,5	30,00	10	88,57311	124,4004	52,99479149	-76,010965	1,6288
1,7246	1134,7	30,00	10,5	89,06952	125,2747	52,62048869	-76,385268	1,7246
1,8204	1088,8	30,00	10,5	89,53909	126,1017	51,79346385	-77,212293	1,8204
1,9162	1041	30,00	10	89,98457	126,8863	50,50886509	-78,496891	1,9162
2,012	996,5	30,00	8,5	90,40832	127,6326	48,26255112	-80,743205	2,012
2,1078	961,3	30,00	8	90,81234	128,3442	47,05095888	-81,954798	2,1078
2,2037	938,9	30,00	5	91,19881	129,0249	43,37030648	-85,63545	2,2037
2,2995	931	30,00	5	91,56842	129,6758	42,71931795	-86,286439	2,2995
2,3953	932,6	30,00	8	91,92295	130,3003	45,09490453	-83,910852	2,3953
2,4911	934	30,00	8	92,26358	130,9002	44,4949813	-84,510775	2,4911
2,5869	935,6	30,00	8	92,59135	131,4775	43,91769949	-85,088057	2,5869

2,6827	939,3	30,00	8	92,9072	132,0337	43,36141206	-85,644345	2,6827
2,7785	951,5	32,27	8,5	93,21196	132,0407	43,85441929	-85,151337	2,7785
2,8743	970,1	36,88	8,5	93,5064	131,5807	44,31445799	-84,691299	2,8743
2,9702	998	40,00	10	93,79147	131,4769	45,91828648	-83,08747	2,9702
3,066	1034,5	46,37	10,5	94,0672	130,8608	47,03435251	-81,971404	3,066
3,1618	1063,6	46,48	10,5	94,33444	131,2963	46,59886775	-82,406889	3,1618
3,2576	1080,2	45,98	10,5	94,59371	131,8186	46,07658803	-82,929169	3,2576
3,3534	1051,7	46,53	10,5	94,84546	132,158	45,7371785	-83,268578	3,3534
3,4492	1035,7	51,20	10,5	95,09012	131,8525	46,04268622	-82,96307	3,4492
3,545	1033,8	52,17	10,5	95,32808	132,1121	45,78301538	-83,222741	3,545
3,6408	1056,8	52,30	10,5	95,55969	132,4823	45,41287892	-83,592878	3,6408
3,7366	1072,5	51,92	10,5	95,78529	132,9175	44,97764565	-84,028111	3,7366
3,8325	1084	53,67	11	96,0054	133,0338	45,36136906	-83,644388	3,8325
3,9283	1092,1	52,65	11	96,21985	133,5419	44,85321947	-84,152537	3,9283
4,0241	1104,5	51,31	11	96,42913	134,0925	44,30260715	-84,703149	4,0241
4,1199	1117,7	49,66	11	96,63349	134,6898	43,70534374	-85,300413	4,1199
4,2157	1131,9	49,57	11	96,83315	135,0414	43,35371102	-85,652046	4,2157
4,3115	1138,9	47,41	11	97,02832	135,7185	42,6766838	-86,329073	4,3115
4,4073	1153,8	44,96	10,5	97,21921	136,458	41,43719446	-87,568562	4,4073
4,5031	1175,6	42,06	10,5	97,40599	137,3016	40,59355762	-88,412199	4,5031
4,5989	1200,8	40,87	10,5	97,58884	137,84	40,05512383	-88,950633	4,5989
4,6948	1194,9	37,64	10,5	97,7681	138,7994	39,09572726	-89,910029	4,6948
4,7906	1169	35,24	10,5	97,94355	139,626	38,26919613	-90,73656	4,7906
4,8864	1129	33,96	11	98,11554	140,2197	38,17542408	-90,830332	4,8864
4,9822	1094,7	36,46	11	98,28418	139,9465	38,4486315	-90,557125	4,9822
5,078	1076,2	36,47	11	98,44961	140,2315	38,1636779	-90,842079	5,078
5,1738	1080,3	36,38	11	98,61195	140,5327	37,86248175	-91,143275	5,1738
5,2696	1095,3	35,94	11	98,77131	140,9057	37,48941641	-91,51634	5,2696
5,3654	1117,1	35,03	11	98,9278	141,3845	37,01067387	-91,995083	5,3654
5,4612	1146	36,84	11	99,08152	141,244	37,15111743	-91,854639	5,4612
5,5571	1171,7	34,72	10,5	99,23272	141,9879	35,90722624	-93,09853	5,5571
5,6529	1180,4	32,50	10,5	99,38118	142,7843	35,11085296	-93,894904	5,6529
5,7487	1181	30,36	10,5	99,52715	143,5953	34,29989789	-94,705859	5,7487
5,8445	1184,3	31,69	10,5	99,6707	143,4965	34,39863426	-94,607122	5,8445
5,9403	1205,7	30,00	10,5	99,81192	144,1946	33,70051427	-95,305242	5,9403
6,0361	1217,1	30,00	10,5	99,95089	144,4394	33,45577029	-95,549986	6,0361
6,1319	1204,7	30,00	10,5	100,0877	144,6803	33,21488027	-95,790876	6,1319
6,2277	1177,7	30,00	10,5	100,2223	144,9174	32,9777247	-96,028032	6,2277
6,3235	1145,3	30,00	11	100,3549	145,151	33,24418957	-95,761567	6,3235
6,4194	1107,8	30,00	11	100,4856	145,3812	33,01392768	-95,991829	6,4194
6,5152	1066,7	30,00	11	100,6143	145,6078	32,78731512	-96,218441	6,5152
6,611	1016,7	30,00	10,5	100,7411	145,8311	32,06401049	-96,941746	6,611
6,7068	965	30,05	10,5	100,8661	146,0384	31,85679922	-97,148957	6,7068
6,8026	923,6	32,94	10	100,9893	145,4847	31,91044267	-97,095314	6,8026
6,8984	894,1	37,99	10	101,1107	144,5022	32,89300264	-96,112754	6,8984
6,9942	872,9	41,60	10	101,2305	143,9463	33,44889576	-95,556861	6,9942
7,09	858,3	45,34	10	101,3487	143,4241	33,97110563	-95,034651	7,09
7,1858	847,8	49,13	10	101,4653	142,9449	34,4502621	-94,555494	7,1858

7,2817	838,2	54,24	10	101,5804	142,3027	35,09249733	-93,913259	7,2817
7,3775	828,5	58,14	10	101,6939	141,9045	35,49070395	-93,515053	7,3775
7,4733	816,4	62,12	10	101,806	141,5301	35,86504011	-93,140716	7,4733
7,5691	806,8	66,12	10	101,9166	141,1827	36,21243954	-92,793317	7,5691
7,6649	799,9	70,85	10	102,0259	140,7735	36,62161433	-92,384142	7,6649
7,7607	798,3	74,79	10	102,1338	140,4894	36,90579369	-92,099963	7,7607
7,8565	791,5	78,70	10	102,2403	140,2269	37,16826619	-91,83749	7,8565
7,9523	789,6	82,52	10	102,3456	139,9916	37,403532	-91,602225	7,9523
8,0482	801	71,90	10	102,4497	141,3428	36,0523868	-92,95337	8,0482
8,144	803,7	76,21	10	102,5525	141,01	36,3851438	-92,620613	8,144
8,2398	795,2	80,53	10	102,6541	140,7015	36,69364511	-92,312111	8,2398
8,3356	777,2	85,01	10	102,7545	140,3976	36,99754344	-92,008213	8,3356
8,4314	776,9	89,33	10	102,8538	140,1287	37,26640964	-91,739347	8,4314
8,5272	786,9	93,35	10	102,9519	139,9063	37,48887986	-91,516877	8,5272
8,623	798,4	97,04	10	103,0489	139,7259	37,66929096	-91,336466	8,623
8,7188	796,8	100,63	10	103,1449	139,5634	37,83177462	-91,173982	8,7188
8,8146	782,1	104,34	10	103,2398	139,3992	37,99592633	-91,00983	8,8146
8,9105	758,6	108,31	10	103,3338	139,2231	38,17201268	-90,833744	8,9105
9,0063	726,3	112,66	10	103,4267	139,0265	38,36862059	-90,637136	9,0063
9,1021	691	117,42	8,5	103,5186	138,8099	37,08526564	-91,920491	9,1021
9,1979	653,8	122,60	8,5	103,6095	138,5751	37,32008325	-91,685673	9,1979
9,2937	616,6	128,18	8,5	103,6995	138,3259	37,56925782	-91,436499	9,2937
9,3895	609,1	133,70	8,5	103,7886	138,0943	37,80084458	-91,204912	9,3895
9,4853	628,5	138,79	8,5	103,8768	137,9031	37,99200783	-91,013749	9,4853
9,5811	663	143,23	8,5	103,9641	137,7606	38,13457212	-90,871184	9,5811
9,6769	686,5	147,22	8,5	104,0505	137,6516	38,24351712	-90,762239	9,6769
9,7728	676,8	151,24	8,5	104,1361	137,5459	38,34922001	-90,656537	9,7728
9,8686	662,7	155,33	8,5	104,2209	137,4397	38,45549934	-90,550257	9,8686
9,9644	664,9	159,29	8,5	104,3048	137,3454	38,54972419	-90,456032	9,9644
10,0602	693,1	162,76	10	104,3879	137,281	40,1141524	-88,891604	10,0602
10,156	717,3	165,83	10	104,4702	137,2408	40,1543591	-88,851397	10,156
10,2518	732,3	168,62	10	104,5518	137,2165	40,17870553	-88,827051	10,2518
10,3476	737,2	171,28	10	104,6325	137,2	40,19518128	-88,810575	10,3476
10,4434	746,8	173,74	10	104,7126	137,1938	40,20133627	-88,80442	10,4434
10,5392	756	176,03	10	104,7919	137,197	40,19818283	-88,807574	10,5392
10,6351	738	178,49	10	104,8706	137,1921	40,20305801	-88,802699	10,6351
10,7309	752,2	180,71	10	104,9485	137,1989	40,19622128	-88,809535	10,7309
10,8267	785,3	182,48	10	105,0257	137,228	40,16720014	-88,838556	10,8267
10,9225	835,1	183,62	10,5	105,1022	137,2875	40,60765384	-88,398103	10,9225
11,0183	870,5	184,31	10,5	105,178	137,3678	40,52736898	-88,478388	11,0183
11,1141	908,9	184,54	10,5	105,2532	137,4696	40,42554919	-88,580207	11,1141
11,2099	955,8	184,23	10,5	105,3278	137,597	40,29819376	-88,707563	11,2099
11,3057	993,1	183,50	10,5	105,4017	137,7438	40,15131811	-88,854438	11,3057
11,4015	1019,9	182,48	11	105,475	137,904	40,49111036	-88,514646	11,4015
11,4974	1039,7	181,27	11	105,5477	138,0737	40,32149919	-88,684257	11,4974
11,5932	1064,8	179,81	11	105,6198	138,2553	40,13986543	-88,865891	11,5932
11,689	1089,6	178,11	11	105,6913	138,4489	39,94630227	-89,059454	11,689
11,7848	1116,2	176,16	11	105,7622	138,6554	39,73979583	-89,265961	11,7848

11,8806	1148,6	173,90	11	105,8325	138,8781	39,51704371	-89,488713	11,8806
11,9764	1158,1	171,60	11	105,9023	139,1046	39,29058848	-89,715168	11,9764
12,0722	1159,1	169,33	11	105,9715	139,3301	39,06508858	-89,940668	12,0722
12,168	1154	167,16	11	106,0401	139,5512	38,84392895	-90,161828	12,168
12,2638	1142,5	165,16	11	106,1083	139,7644	38,63071135	-90,375045	12,2638
12,3597	1138,4	163,23	11	106,1759	139,974	38,4211881	-90,584568	12,3597
12,4555	1144,1	161,29	11	106,243	140,1851	38,21002737	-90,795729	12,4555
12,5513	1169,1	159,14	11	106,3095	140,409	37,98611406	-91,019643	12,5513
12,6471	1156	157,15	11	106,3756	140,6242	37,77097281	-91,234784	12,6471
12,7429	1121,4	155,55	11	106,4411	140,8182	37,57694409	-91,428812	12,7429
12,8387	1077,8	154,39	11	106,5062	140,9859	37,4092288	-91,596528	12,8387
12,9345	1012	153,88	11	106,5707	141,1148	37,28031592	-91,725441	12,9345
13,0303	942,3	154,04	10,5	106,6348	141,2034	36,69178772	-92,313969	13,0303
13,1262	874,3	154,83	10,5	106,6985	141,2537	36,64147676	-92,36428	13,1262
13,222	824,5	156,07	10,5	106,7617	141,277	36,61815873	-92,387598	13,222
13,3178	778,7	157,70	10,5	106,8244	141,2768	36,61831893	-92,387438	13,3178
13,4136	736,2	159,70	10	106,8867	141,2562	36,13894932	-92,866807	13,4136
13,5094	694,7	162,03	10	106,9485	141,2169	36,17829135	-92,827465	13,5094
13,6052	650,1	164,71	10	107,0099	141,1585	36,2366423	-92,769114	13,6052
13,701	607,4	167,73	10	107,0708	141,0835	36,31168331	-92,694073	13,701
13,7968	576,4	170,96	10	107,1313	140,9986	36,39654045	-92,609216	13,7968
13,8926	553,2	174,35	10	107,1914	140,9084	36,48676767	-92,518989	13,8926
13,9885	532,2	177,85	10	107,2512	140,8144	36,5807687	-92,424988	13,9885
14,0843	512	181,47	10	107,3105	140,7172	36,67797803	-92,327779	14,0843
14,1801	493,3	185,18	8,5	107,3693	140,6178	35,2773145	-93,728442	14,1801
14,2759	481,8	188,93	8,5	107,4278	140,5196	35,3755311	-93,630225	14,2759
14,3717	476,2	192,66	8,5	107,4859	140,4249	35,47024539	-93,535511	14,3717
14,4675	462,7	196,44	8,5	107,5436	140,3304	35,56473011	-93,441026	14,4675
14,5633	435,3	200,00	8,5	107,601	140,2489	35,64621349	-93,359543	14,5633
14,6591	402,8	200,00	8,5	107,6579	140,3339	35,56127719	-93,444479	14,6591
14,7549	378,2	200,00	8,5	107,7145	140,4183	35,47689417	-93,528862	14,7549
14,8508	347,7	200,00	8,5	107,7708	140,5022	35,39297002	-93,612787	14,8508
14,9466	321,1	200,00	8,5	107,8266	140,5855	35,30967275	-93,696084	14,9466
15,0424	304,6	200,00	8,5	107,8821	140,6682	35,22690767	-93,778849	15,0424
15,1382	299,4	200,00	8,5	107,9372	140,7505	35,14466803	-93,861089	15,1382
15,234	304,3	200,00	8,5	107,992	140,8322	35,06294719	-93,942809	15,234
15,3298	319,6	200,00	8,5	108,0465	140,9134	34,98173865	-94,024018	15,3298
15,4256	363,7	200,00	8,5	108,1006	140,9941	34,90103602	-94,104721	15,4256
15,5214	402,8	200,00	8,5	108,1544	141,0743	34,82083304	-94,184924	15,5214
15,6172	432,4	200,00	10	108,2078	141,154	36,24112357	-92,764633	15,6172
15,7131	435	200,00	10	108,261	141,2333	36,16181913	-92,843937	15,7131
15,8089	419	200,00	8,5	108,3138	141,3121	34,58307916	-94,422677	15,8089
15,9047	399,5	200,00	8,5	108,3663	141,3903	34,50481491	-94,500942	15,9047
16,0005	383,8	200,00	8,5	108,4184	141,4681	34,42702067	-94,578736	16,0005
16,0963	371,8	200,00	8,5	108,4703	141,5455	34,34969081	-94,656066	16,0963
16,1921	356,2	200,00	8,5	108,5218	141,6223	34,27281984	-94,732937	16,1921
16,2879	336	200,00	8,5	108,5731	141,6988	34,19640233	-94,809354	16,2879
16,3837	300,3	200,00	8,5	108,624	141,7747	34,12043296	-94,885324	16,3837

16,4795	271,4	200,00	8,5	108,6746	141,8503	34,04490652	-94,96085	16,4795
16,5754	242,5	200,00	8,5	108,725	141,9254	33,96973971	-95,036017	16,5754
16,6712	199,3	200,00	8,5	108,7751	142,0001	33,89508425	-95,110672	16,6712
16,767	164,5	200,00	8,5	108,8249	142,0743	33,82085656	-95,1849	16,767
16,8628	137,2	200,00	8,5	108,8744	142,1481	33,74705177	-95,258705	16,8628
16,9586	119,5	200,00	8,5	108,9236	142,2215	33,6736651	-95,332091	16,9586
17,0544	114	200,00	8,5	108,9725	142,2945	33,60069182	-95,405065	17,0544
17,1502	108,4	200,00	8,5	109,0211	142,367	33,52812731	-95,477629	17,1502
17,246	100	200,00	8,5	109,0695	142,4392	33,45596702	-95,54979	17,246
17,3418	80,7	200,00	8,5	109,1176	142,511	33,38420646	-95,62155	17,3418
17,4377	67,2	200,00	8,5	109,1655	142,5824	33,31276694	-95,69299	17,4377
17,5335	58,7	200,00	8,5	109,2131	142,6534	33,24179312	-95,763963	17,5335
17,6293	53	200,00	8,5	109,2605	142,724	33,17120603	-95,834551	17,6293
17,7251	49,2	200,00	8,5	109,3075	142,7942	33,10100148	-95,904755	17,7251
17,8209	45,6	200,00	8,5	109,3543	142,864	33,03117536	-95,974581	17,8209
17,9167	41,1	200,00	8,5	109,4009	142,9334	32,96172359	-96,044033	17,9167
18,0125	37,1	200,00	8,5	109,4472	143,0025	32,89264219	-96,113114	18,0125
18,1083	33,2	200,00	8,5	109,4933	143,0712	32,82392723	-96,181829	18,1083
18,2042	29,7	200,00	8,5	109,5392	143,1397	32,75550368	-96,250253	18,2042
18,3	28,9	200,00	8,5	109,5848	143,2076	32,68751043	-96,318246	18,3
18,3958	23,2	200,00	8,5	109,6301	143,2753	32,6198722	-96,385884	18,3958
18,4916	13,8	200,00	8,5	109,6752	143,3426	32,55258529	-96,453171	18,4916
18,5874	3	200,00	8,5	109,7201	143,4095	32,48564608	-96,52011	18,5874
18,6832	0	200,00	8,5	109,7648	143,4761	32,41905098	-96,586706	18,6832
18,779	0	200,00	8,5	109,8092	143,5424	32,3527965	-96,65296	18,779
18,8748	0	200,00	8,5	109,8534	143,6083	32,28687914	-96,718877	18,8748
18,9706	0	200,00	8,5	109,8974	143,6739	32,22129551	-96,784461	18,9706
19,0665	0	200,00	8,5	109,9412	143,7392	32,15597429	-96,849782	19,0665
19,1623	0	200,00	8,5	109,9847	143,8041	32,09104841	-96,914708	19,1623

Perfil Topográfico Estación Caricuaio 10°



