

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

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	178,39516	49,3894	0
0,1048	1125,2	30,00	-2	64,74298	82,429721	82,965435	-46,040321	0,1048
0,2096	1157,5	30,00	-1	70,76358	93,03346	73,361697	-55,644059	0,2096
0,3143	1191,3	30,00	0,5	74,28264	99,231382	68,663774	-60,341982	0,3143
0,4191	1231,8	30,00	-1	76,78211	103,63355	62,761609	-66,244148	0,4191
0,5239	1247,2	30,00	0,5	78,72072	107,04792	60,847237	-68,158519	0,5239
0,6287	1239,5	30,00	-3	80,30463	109,83755	54,557603	-74,448154	0,6287
0,7335	1221,4	30,00	-8	81,64376	112,19609	47,199064	-81,806692	0,7335
0,8383	1204,9	30,00	2	82,80375	114,23911	55,156046	-73,849711	0,8383
0,943	1206,4	30,00	2	83,82599	116,03953	53,355625	-75,650132	0,943
1,0478	1198,2	30,00	5	84,74132	117,65166	54,743499	-74,262257	1,0478
1,1526	1173,1	30,00	8,5	85,56933	119,10997	56,785182	-72,220574	1,1526
1,2574	1190,3	30,00	8	86,32523	120,44129	54,953865	-74,051892	1,2574
1,3622	1221,9	30,00	5	87,02057	121,66597	50,729187	-78,276569	1,3622
1,467	1261,6	30,00	2	87,66436	122,79983	46,595326	-82,410431	1,467
1,5717	1272,8	30,00	2	88,26315	123,85445	45,54071	-83,465046	1,5717
1,6765	1257,7	30,00	5	88,82383	124,84194	47,55322	-81,452537	1,6765
1,7813	1221	30,00	8,5	89,3505	125,76953	50,125626	-78,880131	1,7813
1,8861	1180,9	30,00	10	89,84705	126,64408	50,751075	-78,254681	1,8861
1,9909	1147	30,00	10,5	90,31675	127,47133	50,423829	-78,581927	1,9909
2,0956	1117,5	30,00	11	90,76192	128,2554	50,139761	-78,865995	2,0956
2,2004	1088	30,00	10,5	91,18579	129,00192	48,893232	-80,112525	2,2004
2,3052	1053,2	30,00	10,5	91,58993	129,71371	48,181444	-80,824312	2,3052
2,41	1031,2	30,00	10	91,9761	130,39385	47,001308	-82,004449	2,41
2,5148	1021,8	30,00	10	92,34583	131,04503	46,350126	-82,65563	2,5148
2,6196	1015,5	30,00	10	92,70046	131,66962	45,725536	-83,280221	2,6196
2,7243	992,9	30,00	8,5	93,04086	132,26915	43,626011	-85,379746	2,7243
2,8291	961,7	30,00	8,5	93,36872	132,8466	43,048557	-85,9572	2,8291

2,9339	927,3	30,00	8	93,68466	133,40305	41,992109	-87,013647	2,9339
3,0387	920,6	30,00	8	93,98951	133,93996	41,455194	-87,550563	3,0387
3,1435	916,8	30,00	8	94,28403	134,45867	40,936485	-88,069271	3,1435
3,2482	916,8	30,00	8,5	94,56861	134,9599	40,93526	-88,070496	3,2482
3,353	916,1	30,00	8,5	94,84443	135,44567	40,449482	-88,556275	3,353
3,4578	915,7	30,00	8,5	95,11175	135,9165	39,978655	-89,027101	3,4578
3,5626	914,7	30,00	8,5	95,3711	136,37327	39,521888	-89,483869	3,5626
3,6674	916,7	35,77	8,5	95,62292	135,47751	40,417651	-88,588106	3,6674
3,7722	919,4	45,97	8,5	95,86765	133,98598	41,909179	-87,096577	3,7722
3,8769	922,8	50,94	8,5	96,10545	133,60186	42,293296	-86,712461	3,8769
3,9817	926,2	55,47	8,5	96,33713	133,33597	42,559188	-86,446568	3,9817
4,0865	929,2	59,61	8,5	96,56279	133,15656	42,738595	-86,267161	4,0865
4,1913	935,5	68,35	10	96,78273	132,45926	44,935897	-84,069859	4,1913
4,2961	948,9	71,34	10	96,99724	132,47764	44,917521	-84,088236	4,2961
4,4009	970	73,52	10	97,20659	132,58571	44,809448	-84,196309	4,4009
4,5056	977,7	75,33	10	97,41081	132,72739	44,667763	-84,337993	4,5056
4,6104	979,1	81,78	10	97,61053	132,40538	44,989776	-84,01598	4,6104
4,7152	985,7	83,08	10	97,80576	132,59644	44,798717	-84,207039	4,7152
4,82	980	84,46	10	97,9967	132,77354	44,621615	-84,384142	4,82
4,9248	968	86,10	10	98,18353	132,92215	44,473003	-84,532754	4,9248
5,0295	962,2	87,80	10	98,36625	133,05997	44,33519	-84,670567	5,0295
5,1343	963,1	93,33	10	98,54538	132,85838	44,536776	-84,46898	5,1343
5,2391	966,1	94,70	10	98,72089	133,02158	44,373581	-84,632176	5,2391
5,3439	970,9	95,89	10	98,89292	133,19606	44,199094	-84,806663	5,3439
5,4487	978,4	96,83	10,5	99,06161	133,38595	44,509203	-84,496554	5,4487
5,5535	985,3	101,83	10,5	99,22709	133,241	44,654152	-84,351605	5,5535
5,6582	993,6	102,25	10,5	99,38932	133,46515	44,430005	-84,575752	5,6582
5,763	1010,2	102,26	10,5	99,54873	133,71708	44,178074	-84,827682	5,763
5,8678	1032,4	101,77	10,5	99,70526	134,00499	43,890169	-85,115588	5,8678
5,9726	1059,5	105,46	10,5	99,85903	133,95661	43,938544	-85,067212	5,9726
6,0774	1094,2	103,54	11	100,0101	134,3474	44,047757	-84,957999	6,0774
6,1821	1143,3	100,63	11	100,1585	134,81779	43,577368	-85,428389	6,1821
6,2869	1161,5	102,80	11	100,3045	134,87281	43,522346	-85,483411	6,2869
6,3917	1150,5	99,82	11	100,4481	135,34496	43,050197	-85,95556	6,3917
6,4965	1120	97,59	11	100,5893	135,75705	42,638108	-86,367648	6,4965
6,6013	1088,3	96,10	11	100,7283	136,10655	42,28861	-86,717146	6,6013
6,7061	1060,4	100,44	11	100,8652	135,95635	42,438811	-86,566946	6,7061
6,8108	1046,1	99,77	10,5	100,9997	136,22632	41,668841	-87,336916	6,8108
6,9156	1033,9	99,36	10,5	101,1324	136,4714	41,423754	-87,582002	6,9156
7,0204	1021,3	99,22	10,5	101,263	136,69172	41,203437	-87,802319	7,0204
7,1252	1014,6	103,89	10,5	101,3917	136,50846	41,386699	-87,619058	7,1252
7,23	1013,3	103,81	10,5	101,5185	136,71585	41,179306	-87,826451	7,23
7,3348	1005,6	103,88	10,5	101,6435	136,90852	40,986638	-88,019118	7,3348
7,4395	996,8	104,10	10,5	101,7666	137,08532	40,809833	-88,195924	7,4395
7,5443	989,3	104,45	10,5	101,8881	137,2493	40,645858	-88,359899	7,5443
7,6491	983,9	108,69	10,5	102,008	137,10072	40,794435	-88,211321	7,6491
7,7539	979	109,13	10,5	102,1262	137,25246	40,642696	-88,363061	7,7539
7,8587	975	109,63	10,5	102,2428	137,39752	40,497639	-88,508118	7,8587

7,9634	974,5	110,12	10,5	102,3577	137,54065	40,35451	-88,651247	7,9634
8,0682	972,2	122,35	10,5	102,4713	136,81581	41,07935	-87,926407	8,0682
8,173	970,4	122,75	10,5	102,5834	136,96297	40,93219	-88,073566	8,173
8,2778	968,9	123,16	10,5	102,6941	137,10693	40,788222	-88,217534	8,2778
8,3826	970,1	123,53	10,5	102,8033	137,25139	40,643771	-88,361985	8,3826
8,4874	970,5	123,88	10,5	102,9112	137,39518	40,499974	-88,505783	8,4874
8,5921	974,8	124,14	10,5	103,0177	137,54308	40,352074	-88,653683	8,5921
8,6969	981,2	124,28	10,5	103,123	137,69772	40,197433	-88,808324	8,6969
8,8017	977,9	124,47	10,5	103,2271	137,84667	40,048488	-88,957268	8,8017
8,9065	966,5	124,85	10,5	103,3299	137,98041	39,914744	-89,091012	8,9065
9,0113	964,8	125,24	10,5	103,4315	138,11117	39,783992	-89,221765	9,0113
9,1161	969,7	125,54	10,5	103,5319	138,24668	39,648478	-89,357279	9,1161
9,2208	977,5	125,71	10,5	103,6311	138,38982	39,505338	-89,500418	9,2208
9,3256	988,2	125,69	10,5	103,7293	138,54372	39,351433	-89,654323	9,3256
9,4304	996,7	125,54	10,5	103,8264	138,70532	39,189841	-89,815915	9,4304
9,5352	992,7	125,46	10,5	103,9224	138,86058	39,034581	-89,971176	9,5352
9,64	976,4	125,63	10,5	104,0173	138,99646	38,898696	-90,107061	9,64
9,7447	968,9	125,91	10,5	104,1111	139,12299	38,772164	-90,233593	9,7447
9,8495	967,2	126,21	10,5	104,204	139,24689	38,648262	-90,357495	9,8495
9,9543	964,5	126,54	10,5	104,296	139,36709	38,528069	-90,477688	9,9543
10,0591	966,7	126,82	10,5	104,3869	139,48866	38,406494	-90,599263	10,0591
10,1639	954,4	127,28	10,5	104,477	139,59708	38,298077	-90,707679	10,1639
10,2687	919,6	128,21	10,5	104,5661	139,67096	38,224197	-90,781559	10,2687
10,3734	877,4	129,70	10,5	104,6542	139,7051	38,19006	-90,815696	10,3734
10,4782	852,4	131,49	10,5	104,7415	139,71843	38,176727	-90,82903	10,4782
10,583	850,7	133,26	10,5	104,8279	139,73344	38,161717	-90,84404	10,583
10,6878	866,6	134,77	10,5	104,9135	139,76553	38,12963	-90,876127	10,6878
10,7926	912,6	135,63	10,5	104,9983	139,83958	38,055573	-90,950183	10,7926
10,8973	973,9	135,68	10,5	105,0821	139,96631	37,928848	-91,076908	10,8973
11,0021	1044	134,82	11	105,1653	140,15154	38,243613	-90,762143	11,0021
11,1069	1121,3	133,01	11	105,2476	140,40041	37,994747	-91,01101	11,1069
11,2117	1192,8	130,35	11	105,3292	140,70837	37,686784	-91,318973	11,2117
11,3165	1230,1	127,30	10,5	105,41	141,04724	36,847914	-92,157842	11,3165
11,4213	1274,8	123,77	10,5	105,4901	141,42488	36,470274	-92,535483	11,4213
11,526	1324,2	119,73	10,5	105,5693	141,84759	36,047568	-92,958189	11,526
11,6308	1363,1	115,33	10,5	105,6479	142,309	35,586154	-93,419603	11,6308
11,7356	1394,1	110,67	10,5	105,7259	142,80465	35,090509	-93,915248	11,7356
11,8404	1417,9	105,84	10,5	105,8031	143,3306	34,564561	-94,441196	11,8404
11,9452	1438,7	100,88	10	105,8796	143,88686	33,508297	-95,497459	11,9452
12,05	1447,4	95,93	10	105,9555	144,46376	32,931395	-96,074361	12,05
12,1547	1459,8	90,96	10	106,0306	145,06759	32,327569	-96,678188	12,1547
12,2595	1485	85,81	10	106,1052	145,71683	31,678324	-97,327433	12,2595
12,3643	1511	80,49	10	106,1791	146,41859	30,976564	-98,029192	12,3643
12,4691	1524,1	75,15	10	106,2525	147,1638	30,231354	-98,774402	12,4691
12,5739	1549,5	69,65	10	106,3252	147,97642	29,418732	-99,587024	12,5739
12,6786	1570,3	64,04	10	106,3972	148,86158	28,533581	-100,47218	12,6786
12,7834	1586,9	58,38	10	106,4687	149,82683	27,568324	-101,43743	12,7834
12,8882	1582,9	52,88	10	106,5396	150,85188	26,543278	-102,46248	12,8882

12,993	1598,4	47,33	10	106,6099	151,98678	25,408381	-103,59738	12,993
13,0978	1606	41,82	10	106,6797	153,24216	24,152997	-104,85276	13,0978
13,2026	1579,7	36,68	10	106,7489	154,56526	22,829898	-106,17586	13,2026
13,3073	1532,8	32,11	10	106,8176	155,90682	21,488338	-107,51742	13,3073
13,4121	1494,6	30,00	10	106,8857	156,65327	20,741891	-108,26387	13,4121
13,5169	1461,6	30,00	10,5	106,9533	156,77234	21,12282	-107,88294	13,5169
13,6217	1433,4	30,00	10,5	107,0204	156,89049	21,004668	-108,00109	13,6217
13,7265	1401	30,00	10,5	107,087	157,00773	20,887422	-108,11833	13,7265
13,8313	1366,4	30,00	10,5	107,153	157,12409	20,771068	-108,23469	13,8313
13,936	1326,5	30,00	10,5	107,2185	157,23945	20,655702	-108,35005	13,936
14,0408	1298,5	30,00	10,5	107,2836	157,35407	20,54109	-108,46467	14,0408
14,1456	1270,9	30,00	10,5	107,3482	157,46783	20,427331	-108,57843	14,1456
14,2504	1237,2	30,00	11	107,4123	157,58075	20,814411	-108,19135	14,2504
14,3552	1197,9	30,00	11	107,4759	157,69284	20,702319	-108,30344	14,3552
14,4599	1184	30,00	11	107,5391	157,80401	20,591148	-108,41461	14,4599
14,5647	1186,7	30,00	11	107,6018	157,91448	20,480674	-108,52508	14,5647
14,6695	1221,3	30,00	11	107,6641	158,02416	20,370992	-108,63476	14,6695
14,7743	1235,4	30,00	11	107,7259	158,13307	20,26209	-108,74367	14,7743
14,8791	1255,3	30,00	10,5	107,7873	158,2412	19,653959	-109,3518	14,8791
14,9839	1295,6	30,00	10,5	107,8483	158,34857	19,546586	-109,45917	14,9839
15,0886	1334,8	30,00	10,5	107,9087	158,45509	19,440064	-109,56569	15,0886
15,1934	1372,8	30,00	10,5	107,9689	158,56098	19,334177	-109,67158	15,1934
15,2982	1395,4	30,00	10,5	108,0286	158,66614	19,229018	-109,77674	15,2982
15,403	1359	30,00	10,5	108,0879	158,77058	19,124577	-109,88118	15,403
15,5078	1269,7	30,00	10,5	108,1468	158,87431	19,020844	-109,98491	15,5078
15,6125	1167,6	30,00	11	108,2052	158,97725	19,417908	-109,58785	15,6125
15,7173	1085,1	30,00	11	108,2633	159,07959	19,315562	-109,69019	15,7173
15,8221	1029,9	30,00	11	108,321	159,18126	19,213897	-109,79186	15,8221
15,9269	995,8	30,00	11	108,3784	159,28225	19,112903	-109,89285	15,9269
16,0317	980,8	30,00	11	108,4353	159,38259	19,012571	-109,99319	16,0317
16,1365	971,4	30,00	10,5	108,4919	159,48226	18,412893	-110,59286	16,1365
16,2412	948,4	30,00	10,5	108,5481	159,5812	18,313954	-110,6918	16,2412
16,346	914,2	30,00	10,5	108,604	159,6796	18,215558	-110,7902	16,346
16,4508	872,6	30,00	10,5	108,6595	159,77737	18,11779	-110,88797	16,4508
16,5556	830,2	30,00	10,5	108,7147	159,87451	18,020644	-110,98511	16,5556
16,6604	797,1	30,00	10,5	108,7695	159,97105	17,92411	-111,08165	16,6604
16,7652	796,8	30,00	10,5	108,8239	160,06698	17,828182	-111,17758	16,7652
16,8699	781,3	30,00	10,5	108,878	160,16221	17,732942	-111,27281	16,8699
16,9747	745,4	30,00	10,5	108,9318	160,25696	17,638201	-111,36756	16,9747
17,0795	696,3	30,00	10,5	108,9853	160,35111	17,544043	-111,46171	17,0795
17,1843	634,9	30,00	10	109,0384	160,4447	16,950462	-112,05529	17,1843
17,2891	572,8	30,00	10	109,0912	160,53771	16,857449	-112,14831	17,2891
17,3938	509,6	30,00	10	109,1436	160,63007	16,765086	-112,24067	17,3938
17,4986	457,1	30,00	10	109,1958	160,72197	16,673191	-112,33257	17,4986
17,6034	429,7	30,00	10	109,2477	160,81331	16,581844	-112,42391	17,6034
17,7082	407,6	30,00	10	109,2992	160,90412	16,491039	-112,51472	17,7082
17,813	384,8	30,00	10	109,3505	160,99439	16,40077	-112,60499	17,813
17,9178	387,3	30,00	10	109,4015	161,08413	16,311031	-112,69473	17,9178

18,0225	392,9	30,00	10	109,4521	161,17326	16,221899	-112,78386	18,0225
18,1273	386,3	30,00	10	109,5024	161,26196	16,1332	-112,87256	18,1273
18,2321	335,2	30,00	10	109,5525	161,35014	16,045012	-112,96074	18,2321
18,3369	274,2	30,00	8,5	109,6023	161,43783	14,45733	-114,54843	18,3369
18,4417	219	30,00	8,5	109,6518	161,52501	14,370147	-114,63561	18,4417
18,5464	178,1	30,00	8,5	109,7009	161,61162	14,283541	-114,72222	18,5464
18,6512	167,6	30,00	8,5	109,7499	161,69782	14,19734	-114,80842	18,6512
18,756	161,9	30,00	8,5	109,7986	161,78353	14,111622	-114,89413	18,756
18,8608	158,2	30,00	8,5	109,847	161,86877	14,026382	-114,97937	18,8608
18,9656	143,7	30,00	8,5	109,8951	161,95354	13,941614	-115,06414	18,9656
19,0704	136,9	30,00	8,5	109,943	162,03784	13,857313	-115,14844	19,0704
19,1751	135,5	30,00	8,5	109,9905	162,1216	13,773555	-115,2322	19,1751
19,2799	122,2	30,00	8,5	110,0379	162,20498	13,690172	-115,31558	19,2799
19,3847	99,5	30,00	8,5	110,0849	162,28791	13,607242	-115,39851	19,3847
19,4895	72,9	30,00	8,5	110,1318	162,3704	13,524759	-115,481	19,4895
19,5943	35,6	30,00	8,5	110,1784	162,45244	13,442719	-115,56304	19,5943
19,6991	9,8	30,00	8,5	110,2247	162,53404	13,361116	-115,64464	19,6991
19,8038	0,7	30,00	8,5	110,2707	162,61513	13,280023	-115,72573	19,8038
19,9086	0	30,00	8,5	110,3166	162,69588	13,199281	-115,80648	19,9086
20,0134	0	30,00	8,5	110,3622	162,77619	13,118963	-115,88679	20,0134
20,1182	0	30,00	8,5	110,4075	162,85609	13,039064	-115,96669	20,1182
20,223	0	30,00	8,5	110,4527	162,93558	12,959581	-116,04618	20,223
20,3277	0	30,00	8,5	110,4975	163,01457	12,880583	-116,12517	20,3277
20,4325	0	30,00	8,5	110,5422	163,09324	12,801917	-116,20384	20,4325
20,5373	0	30,00	8,5	110,5866	163,1715	12,723653	-116,2821	20,5373
20,6421	0	30,00	8,5	110,6308	163,24937	12,645787	-116,35997	20,6421
20,7469	0	30,00	8,5	110,6748	163,32684	12,568316	-116,43744	20,7469
20,8517	0	30,00	8,5	110,7186	163,40392	12,491235	-116,51452	20,8517
20,9564	0	30,00	8,5	110,7621	163,48054	12,414613	-116,59114	20,9564

Perfil Topográfico Estación Caricua 30°



