

Ganancia antena tx	5
Campo minimo Servicio	42,395757
Campo minimo 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	2056,9	45	5	0	0	171,32266	42,3169	0
0,1455	2000,2	101,7	-8	67,59301644	83,02918	75,293477	-53,71228	0,1455
0,2911	1967,1	134,8	-2	73,61660068	91,330677	72,99198	-56,01378	0,2911
0,4366	1958,2	143,7	1,5	77,1374312	96,460976	71,36168	-57,64408	0,4366
0,5822	1956,6	145,3	3	79,63720059	100,24765	69,075011	-59,93075	0,5822
0,7277	1941,1	160,8	3,5	81,57480407	102,65691	67,165748	-61,84001	0,7277
0,8732	1911,8	190,1	3,5	83,15803111	104,09066	65,731999	-63,27376	0,8732
1,0188	1862,7	159,37143	3,5	84,4975353	107,16036	62,662296	-66,34346	1,0188
1,1643	1778,6	179,8625	2,5	85,65705452	108,17843	60,644222	-68,36153	1,1643
1,3098	1677,2	200	1,5	86,67985629	109,04696	58,775702	-70,23006	1,3098
1,4554	1625,7	200	1,5	87,59540398	110,41241	57,410242	-71,59551	1,4554
1,6009	1591,5	200	1,5	88,42304067	111,64676	56,175894	-72,82986	1,6009
1,7465	1536,9	200	1,5	89,17912837	112,7744	55,048256	-73,9575	1,7465
1,892	1490,2	200	1,5	89,87417921	113,81101	54,011648	-74,99411	1,892
2,0375	1457,5	200	1,5	90,51770892	114,77078	53,05188	-75,95388	2,0375
2,1831	1400,3	200	1,5	91,11722917	115,66491	52,157747	-76,84801	2,1831
2,3286	1329,5	200	1,5	91,67765444	116,50073	51,321922	-77,68383	2,3286
2,4742	1268,4	200	1	92,20445262	117,28641	50,036249	-78,96951	2,4742
2,6197	1231,5	200	1,5	92,70078777	118,02665	49,796008	-79,20975	2,6197
2,7652	1198,1	200	1,5	93,17028754	118,72687	49,09579	-79,90997	2,7652
2,9108	1133,1	200	1,5	93,6160039	119,39161	48,431043	-80,57471	2,9108
3,0563	1060,9	200	1	94,0396762	120,02348	47,299173	-81,70658	3,0563
3,2019	996,2	200	1	94,44391186	120,62637	46,696291	-82,30947	3,2019
3,3474	971	200	1	94,82990881	121,20205	46,12061	-82,88515	3,3474
3,4929	958,3	200	1,5	95,19947962	121,75323	46,069427	-82,93633	3,4929
3,6385	947,4	200	1,5	95,55420416	122,28227	45,540387	-83,46537	3,6385
3,784	945,2	200	1,5	95,89477913	122,79021	45,032449	-83,97331	3,784

3,9295	937,9	200	1,5	96,22250244	123,27898	44,543678	-84,46208	3,9295
4,0751	931,5	200	2,5	96,53852198	123,75029	45,072363	-83,93339	4,0751
4,2206	926,1	200	2,5	96,84324046	124,20476	44,617902	-84,38785	4,2206
4,3662	918,8	200	3	97,13782908	124,64411	44,678548	-84,32721	4,3662
4,5117	911,2	200	3	97,42256085	125,06876	44,253896	-84,75186	4,5117
4,6572	908	200	3	97,69825435	125,47993	43,842723	-85,16303	4,6572
4,8028	904,5	200	3	97,96564661	125,87873	43,443931	-85,56183	4,8028
4,9483	900,5	200	3	98,22487701	126,26535	43,057311	-85,94845	4,9483
5,0939	892,4	200	3,5	98,47676487	126,64101	43,181643	-85,82411	5,0939
5,2394	886,7	200	3,5	98,72138769	127,00585	42,816809	-86,18895	5,2394
5,3849	881,1	200	3,5	98,95930943	127,36069	42,46197	-86,54379	5,3849
5,5305	882,7	200	3,5	99,19104451	127,7063	42,116357	-86,8894	5,5305
5,676	887	200	3,5	99,41660431	128,0427	41,779954	-87,2258	5,676
5,8216	876,4	200	3,5	99,63660381	128,37081	41,451844	-87,55391	5,8216
5,9671	867,7	200	3,5	99,85102289	128,6906	41,132057	-87,8737	5,9671
6,1126	858,5	200	4	100,0602761	129,00268	41,319974	-87,68578	6,1126
6,2582	854,2	200	4	100,2647453	129,30763	41,015026	-87,99073	6,2582
6,4037	850	200	4	100,4643761	129,60536	40,717294	-88,28846	6,4037
6,5492	849,7	200	4	100,6595216	129,89641	40,426251	-88,57951	6,5492
6,6948	848,8	200	4	100,8505087	130,18125	40,141411	-88,86435	6,6948
6,8403	850,5	200	4	101,0372596	130,45977	39,862888	-89,14287	6,8403
6,9859	852,5	200	4	101,2202039	130,73261	39,590043	-89,41571	6,9859
7,1314	856,4	200	4	101,3992525	130,99965	39,323007	-89,68275	7,1314
7,2769	864,7	200	4	101,5746847	131,26129	39,061366	-89,94439	7,2769
7,4225	866,3	200	4,5	101,7467607	131,51793	39,304729	-89,70103	7,4225
7,568	874,9	200	4,5	101,915379	131,76941	39,05325	-89,95251	7,568
7,7136	881,6	200	4,5	102,0808989	132,01627	38,806391	-90,19937	7,7136
7,8591	890,4	200	4,5	102,2432129	132,25834	38,564314	-90,44144	7,8591
8,0046	915	200	5	102,4025493	132,49598	38,826678	-90,17908	8,0046
8,1502	934,6	200	5	102,5591219	132,72949	38,593164	-90,41259	8,1502
8,2957	942,9	200	5	102,7128173	132,95872	38,36394	-90,64182	8,2957
8,4413	957	200	5	102,8639433	133,18411	38,138549	-90,86721	8,4413
8,5868	973,3	200	5	103,0123835	133,40549	37,917163	-91,08859	8,5868
8,7323	977,6	200	5	103,1583295	133,62316	37,699498	-91,30626	8,7323
8,8779	976,1	200	5	103,3019616	133,83737	37,485283	-91,52047	8,8779
9,0234	1009,1	200	5	103,4431608	134,04796	37,274697	-91,73106	9,0234
9,1689	1051,7	200	5	103,5821013	134,25518	37,067479	-91,93828	9,1689
9,3145	1053,1	200	5	103,7189475	134,45927	36,863385	-92,14237	9,3145
9,46	1033,5	200	5	103,8535793	134,66006	36,662593	-92,34316	9,46
9,6056	1022,4	200	5	103,9862465	134,85792	36,464732	-92,54102	9,6056
9,7511	996,4	200	5	104,1168288	135,05268	36,26998	-92,73578	9,7511
9,8966	963,8	200	5	104,2454769	135,24454	36,078112	-92,92764	9,8966
10,0422	981,2	200	5	104,3723339	135,43374	35,888916	-93,11684	10,0422
10,1877	1000,2	200	5	104,4972795	135,62009	35,702571	-93,30319	10,1877
10,3333	982,2	200	5	104,6205373	135,80391	35,518742	-93,48701	10,3333
10,4788	953	200	5	104,7419876	135,98505	35,33761	-93,66815	10,4788
10,6243	962,6	200	5	104,8617631	136,16368	35,158975	-93,84678	10,6243
10,7699	980,8	200	5	104,97999	136,34001	34,98265	-94,02311	10,7699

10,9154	1010,8	200	5	105,0965497	136,51385	34,808812	-94,19694	10,9154
11,061	1033,4	200	5	105,2116444	136,6855	34,637158	-94,3686	11,061
11,2065	1046,8	200	5	105,3251565	136,85479	34,467865	-94,53789	11,2065
11,352	1045,5	200	5	105,4372042	137,0219	34,300755	-94,705	11,352
11,4976	1058,8	200	5	105,5479005	137,187	34,135661	-94,8701	11,4976
11,6431	1102,7	200	5	105,6571291	137,3499	33,972756	-95,033	11,6431
11,7886	1111,4	200	5	105,7650012	137,51078	33,811875	-95,19388	11,7886
11,9342	1137,7	200	5	105,8716228	137,6698	33,652858	-95,3529	11,9342
12,0797	1161,5	200	5	105,9768795	137,82678	33,495876	-95,50988	12,0797
12,2253	1153,6	200	5	106,0809471	137,98199	33,340669	-95,66509	12,2253
12,3708	1123,2	200	5	106,1837123	138,13525	33,187403	-95,81835	12,3708
12,5163	1096,1	200	5	106,2852759	138,28673	33,03593	-95,96983	12,5163
12,6619	1076,6	200	5	106,3857342	138,43655	32,886106	-96,11965	12,6619
12,8074	1105,3	200	5	106,484976	138,58456	32,738095	-96,26766	12,8074
12,953	1141,5	200	5	106,5831639	138,731	32,591656	-96,4141	12,953
13,0985	1160,3	200	5	106,6801879	138,8757	32,446954	-96,5588	13,0985
13,244	1158,3	200	5	106,77614	139,01881	32,303849	-96,70191	13,244
13,3896	1170,6	200	5	106,8711086	139,16044	32,162212	-96,84354	13,3896
13,5351	1179,1	200	5	106,9649859	139,30045	32,022202	-96,98355	13,5351
13,6807	1179,4	200	5	107,057923	139,43906	31,883595	-97,12216	13,6807
13,8262	1214,8	200	5	107,1498133	139,57611	31,746548	-97,25921	13,8262
13,9717	1259	200	5	107,2407416	139,71172	31,610937	-97,39482	13,9717
14,1173	1288,3	200	5	107,3307894	139,84602	31,476638	-97,52912	14,1173
14,2628	1320,8	200	5	107,4198524	139,97885	31,343808	-97,66195	14,2628
14,4083	1345,2	200	5	107,5080114	140,11033	31,212327	-97,79343	14,4083
14,5539	1340,7	200	5	107,5953443	140,24058	31,082078	-97,92368	14,5539
14,6994	1303,5	200	5	107,6817487	140,36944	30,953213	-98,05254	14,6994
14,845	1269,5	200	5	107,7673606	140,49713	30,82553	-98,18023	14,845
14,9905	1222,2	200	5	107,8520789	140,62348	30,69918	-98,30658	14,9905
15,136	1170,5	200	5	107,935979	140,74861	30,574051	-98,43171	15,136
15,2816	1123,5	200	5	108,0191331	140,87262	30,450034	-98,55572	15,2816
15,4271	1083,9	200	5	108,1014425	140,99538	30,327276	-98,67848	15,4271
15,5727	1049,8	200	5	108,1830349	141,11707	30,205588	-98,80017	15,5727
15,7182	1025	200	5	108,2638128	141,23754	30,085115	-98,92064	15,7182
15,8637	1008,7	200	5	108,3438463	141,3569	29,965752	-99,04	15,8637
16,0093	993	200	5	108,4232034	141,47526	29,847398	-99,15836	16,0093
16,1548	1017,4	200	5	108,5017883	141,59246	29,730196	-99,27556	16,1548
16,3004	1053,5	200	5	108,5797218	141,70869	29,613965	-99,39179	16,3004
16,4459	1065,5	200	5	108,6569095	141,82381	29,498846	-99,50691	16,4459
16,5914	1050,1	200	5	108,7334172	141,93792	29,384741	-99,62102	16,5914
16,737	1037,4	200	5	108,8093089	142,0511	29,271555	-99,7342	16,737
16,8825	1005,2	200	5	108,8844917	142,16323	29,159427	-99,84633	16,8825
17,028	957,2	200	5	108,9590294	142,2744	29,04826	-99,9575	17,028
17,1736	951,6	200	5	109,0329834	142,38469	28,937964	-100,0678	17,1736
17,3191	974,2	200	5	109,106263	142,49398	28,828674	-100,1771	17,3191
17,4647	1015,7	200	5	109,1789792	142,60243	28,720224	-100,2855	17,4647
17,6102	1053,4	200	5	109,2510423	142,70991	28,612749	-100,393	17,6102
17,7557	1053,3	200	5	109,3225125	142,8165	28,506157	-100,4996	17,7557

17,9013	1058,6	200	5	109,393448	142,92229	28,400363	-100,6054	17,9013
18,0468	1081	200	5	109,4637607	143,02716	28,295498	-100,7103	18,0468
18,1924	1089,7	200	5	109,5335565	143,13125	28,191403	-100,8144	18,1924
18,3379	1100,3	200	5	109,6027486	143,23445	28,088209	-100,9175	18,3379
18,4834	1119,5	200	5	109,6713938	143,33683	27,985831	-101,0199	18,4834
18,629	1126,4	200	5	109,7395474	143,43847	27,884186	-101,1216	18,629
18,7745	1095,1	200	5	109,8071242	143,53926	27,783401	-101,2224	18,7745
18,9201	1054	200	5	109,8742251	143,63933	27,683326	-101,3224	18,9201
19,0656	1023,5	200	5	109,9407661	143,73857	27,584086	-101,4217	19,0656
19,2111	983,8	200	5	110,0068012	143,83706	27,4856	-101,5202	19,2111
19,3567	955	200	5	110,072383	143,93487	27,387791	-101,618	19,3567
19,5022	917,1	200	5	110,1374287	144,03188	27,290781	-101,715	19,5022
19,6477	907,8	200	5	110,2019909	144,12816	27,194492	-101,8113	19,6477
19,7933	951,9	200	5	110,2661207	144,22381	27,098848	-101,9069	19,7933
19,9388	990	200	5	110,3297369	144,31869	27,00397	-102,0018	19,9388
20,0844	1020,9	200	5	110,3929338	144,41294	26,909717	-102,096	20,0844
20,2299	1058,3	200	5	110,4556313	144,50645	26,816209	-102,1895	20,2299
20,3754	1098,8	200	5	110,5178794	144,59928	26,723372	-102,2824	20,3754
20,521	1136,6	200	5	110,579727	144,69153	26,631131	-102,3746	20,521
20,6665	1183,6	200	5	110,6410952	144,78305	26,539606	-102,4662	20,6665
20,8121	1212,9	200	5	110,7020747	144,874	26,448661	-102,5571	20,8121
20,9576	1184,9	200	5	110,7625875	144,96425	26,358411	-102,6473	20,9576
21,1031	1172,8	200	5	110,8226817	145,05387	26,268786	-102,737	21,1031
21,2487	1170,1	200	5	110,8824039	145,14294	26,179715	-102,826	21,2487
21,3942	1159,2	200	5	110,9416776	145,23134	26,091314	-102,9144	21,3942
21,5397	1108,2	200	5	111,0005496	145,31915	26,003511	-103,0022	21,5397
21,6853	1026,1	200	5	111,0590653	145,40642	25,91624	-103,0895	21,6853
21,8308	957,2	200	5	111,1171496	145,49304	25,829613	-103,1761	21,8308
21,9764	886,3	200	5	111,1748876	145,57916	25,743501	-103,2623	21,9764
22,1219	827,9	200	5	111,2322051	145,66464	25,658017	-103,3477	22,1219
22,2674	782,2	200	5	111,2891468	145,74956	25,573094	-103,4327	22,2674
22,413	729,8	200	5	111,3457564	145,83399	25,488665	-103,5171	22,413
22,5585	672,2	200	5	111,4019609	145,91782	25,404841	-103,6009	22,5585
22,7041	611,2	200	5	111,4578424	146,00116	25,321499	-103,6843	22,7041
22,8496	548,5	200	5	111,5133286	146,08391	25,238746	-103,767	22,8496
22,9951	533,8	200	5	111,5684626	146,16614	25,156519	-103,8492	22,9951
23,1407	570,7	200	5	111,6232864	146,2479	25,074754	-103,931	23,1407
23,2862	608,5	200	5	111,677729	146,3291	24,993557	-104,0122	23,2862
23,4318	625,6	200	5	111,7318696	146,40985	24,912811	-104,0929	23,4318
23,5773	658,8	200	5	111,785638	146,49004	24,832621	-104,1731	23,5773
23,7228	691,8	200	5	111,8390755	146,56973	24,752923	-104,2528	23,7228
23,8684	708,5	200	5	111,8922227	146,649	24,673659	-104,3321	23,8684
24,0139	747	200	5	111,9450105	146,72773	24,59493	-104,4108	24,0139
24,1594	803,7	200	5	111,9974795	146,80598	24,516677	-104,4891	24,1594
24,305	832	200	5	112,0496691	146,88382	24,438841	-104,5669	24,305
24,4505	793,4	200	5	112,1015115	146,96113	24,361523	-104,6442	24,4505
24,5961	739,7	200	5	112,1530816	147,03805	24,28461	-104,7211	24,5961
24,7416	708,9	200	5	112,2043122	147,11445	24,208204	-104,7976	24,7416

24,8871	673,5	200	5	112,2552424	147,19041	24,132246	-104,8735	24,8871
25,0327	627,7	200	5	112,3059105	147,26598	24,05668	-104,9491	25,0327
25,1782	624,4	200	5	112,3562502	147,34105	23,981602	-105,0242	25,1782
25,3238	632,4	200	5	112,4063341	147,41575	23,906906	-105,0989	25,3238
25,4693	574,2	200	5	112,4560968	147,48997	23,83269	-105,1731	25,4693
25,6148	510,9	200	5	112,505576	147,56376	23,758896	-105,2469	25,6148
25,7604	504,9	200	5	112,5548086	147,63719	23,68547	-105,3203	25,7604
25,9059	520	200	5	112,6037303	147,71015	23,612507	-105,3932	25,9059
26,0515	533,9	200	5	112,6524113	147,78275	23,539904	-105,4659	26,0515
26,197	561,6	200	5	112,7007878	147,8549	23,467755	-105,538	26,197
26,3425	602,7	200	5	112,7488963	147,92665	23,396005	-105,6098	26,3425
26,4881	645,3	200	5	112,7967727	147,99806	23,324601	-105,6812	26,4881
26,6336	637,5	200	5	112,844354	148,06902	23,253638	-105,7521	26,6336
26,7791	587,9	200	5	112,8916761	148,1396	23,183061	-105,8227	26,7791
26,9247	536,6	200	5	112,938774	148,20984	23,112819	-105,8929	26,9247
27,0702	498,8	200	5	112,9855859	148,27965	23,043003	-105,9628	27,0702
27,2158	462,5	200	5	113,0321787	148,34914	22,973514	-106,0322	27,2158
27,3613	425,5	200	5	113,0784911	148,41821	22,904443	-106,1013	27,3613
27,5068	397,6	200	5	113,124558	148,48692	22,835738	-106,17	27,5068
27,6524	408,5	200	5	113,1704132	148,55531	22,767349	-106,2384	27,6524
27,7979	441,4	200	5	113,2159963	148,62329	22,699366	-106,3064	27,7979
27,9435	453	200	5	113,2613726	148,69097	22,631691	-106,3741	27,9435
28,089	485,8	200	5	113,3064821	148,75824	22,564414	-106,4413	28,089
28,2345	529,4	200	5	113,3513586	148,82517	22,497485	-106,5083	28,2345
28,3801	568,9	200	5	113,396035	148,8918	22,430854	-106,5749	28,3801
28,5256	610,5	200	5	113,4404523	148,95805	22,364609	-106,6411	28,5256
28,6712	637,9	200	5	113,484674	149,024	22,298657	-106,7071	28,6712
28,8167	626,3	200	5	113,5286415	149,08957	22,233083	-106,7727	28,8167
28,9622	630,9	200	5	113,5723875	149,15482	22,16784	-106,8379	28,9622
29,1078	586,1	200	5	113,6159442	149,21978	22,102879	-106,9029	29,1078

Perfil Topográfico Estación Avila-5 170°



