

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
0,1445	1995,2	106,7	-9	67,53311351	82,76072	74,561937	-54,44382	0,1445
0,2891	1949,6	152,3	-3	73,55671841	90,692542	72,630115	-56,37564	0,2891
0,4336	1918,1	183,8	-1	77,07754204	95,14572	70,176937	-58,82882	0,4336
0,5781	1880,3	200	0	79,57581596	98,451899	67,870757	-61,135	0,5781
0,7227	1828,4	200	0	81,51491767	101,3439	64,978757	-64,027	0,7227
0,8672	1766,4	200	0	83,09814196	103,70514	62,617516	-66,38824	0,8672
1,0118	1695,1	200	0	84,43765007	105,7029	60,619756	-68,386	1,0118
1,1563	1649,8	200	0	85,59716709	107,43222	58,890438	-70,11532	1,1563
1,3008	1624,1	200	1	86,61996714	108,95764	58,365021	-70,64074	1,3008
1,4454	1631,7	200	1,5	87,53551758	110,3231	57,499557	-71,5062	1,4454
1,5899	1600,4	200	1,5	88,36315276	111,55744	56,265212	-72,74054	1,5899
1,7344	1530,2	200	1,5	89,11874187	112,68434	55,138317	-73,86744	1,7344
1,879	1464,9	200	1	89,81429217	113,72169	53,600964	-75,40479	1,879
2,0235	1412	200	1	90,45782075	114,68146	52,641197	-76,36456	2,0235
2,168	1361,2	200	1	91,05694213	115,575	51,74766	-77,2581	2,168
2,3126	1289,7	200	1	91,617767	116,41142	50,911239	-78,09452	2,3126
2,4571	1225,6	200	1	92,14421321	117,19657	50,12609	-78,87967	2,4571
2,6016	1147,1	200	1	92,64056705	117,93683	49,385822	-79,61993	2,6016
2,7462	1080	200	1	93,11039983	118,63755	48,685107	-80,32065	2,7462
2,8907	1056	200	1	93,55581702	119,30185	48,020807	-80,98495	2,8907
3,0353	1016,2	200	1	93,97978901	119,93417	47,388489	-81,61727	3,0353
3,1798	991,5	200	1	94,38375267	120,53664	46,786013	-82,21974	3,1798
3,3243	976	200	1	94,76976076	121,11234	46,210315	-82,79544	3,3243
3,4689	960,3	200	1,5	95,13959218	121,66391	46,158744	-82,84701	3,4689
3,6134	951,8	200	1,5	95,49407738	122,1926	45,630061	-83,3757	3,6134
3,7579	940,3	200	1,5	95,83466095	122,70055	45,12211	-83,88365	3,7579

3,9025	930,8	200	1,5	96,16261481	123,18966	44,632995	-84,37276	3,9025
4,047	919,5	200	2,5	96,47842066	123,66066	45,161998	-83,84376	4,047
4,1915	910,1	200	2,5	96,78314598	124,11513	44,707527	-84,29823	4,1915
4,3361	902,8	200	3	97,07774236	124,55449	44,768162	-84,23759	4,3361
4,4806	891,9	200	3	97,36248006	124,97916	44,343501	-84,66226	4,4806
4,6252	886,2	200	3	97,63836691	125,39062	43,93204	-85,07372	4,6252
4,7697	878,4	200	3	97,90557785	125,78914	43,533518	-85,47224	4,7697
4,9142	868,4	200	3	98,16481312	126,17577	43,146891	-85,85887	4,9142
5,0588	871,7	200	3	98,41670677	126,55144	42,771214	-86,23454	5,0588
5,2033	882,9	200	3,5	98,6613339	126,91628	42,906374	-86,09938	5,2033
5,3478	884,8	200	3,5	98,89925971	127,27113	42,551528	-86,45423	5,3478
5,4924	874,5	200	3,5	99,13099974	127,61675	42,205908	-86,79985	5,4924
5,6369	865,4	200	3,5	99,35656318	127,95316	41,8695	-87,13626	5,6369
5,7814	866,3	200	3,5	99,57641694	128,28105	41,541608	-87,46415	5,7814
5,926	868,9	200	3,5	99,79098952	128,60107	41,221591	-87,78417	5,926
6,0705	869,8	200	4	100,0002458	128,91315	41,409504	-87,59625	6,0705
6,215	873,6	200	4	100,2045792	129,2179	41,104758	-87,901	6,215
6,3596	877,1	200	4	100,4043526	129,51584	40,806814	-88,19894	6,3596
6,5041	878,4	200	4	100,5995008	129,80689	40,515767	-88,48999	6,5041
6,6487	876,9	200	4	100,7904913	130,09174	40,230922	-88,77483	6,6487
6,7932	871,8	200	4	100,9772446	130,37026	39,952395	-89,05336	6,7932
6,9377	870,3	200	4	101,1600669	130,64292	39,679732	-89,32602	6,9377
7,0823	872,9	200	4	101,339243	130,91015	39,412506	-89,59325	7,0823
7,2268	875,3	200	4	101,5146773	131,1718	39,150861	-89,8549	7,2268
7,3713	879,7	200	4,5	101,6866383	131,42826	39,394397	-89,61136	7,3713
7,5159	885,8	200	4,5	101,8553764	131,67992	39,142738	-89,86302	7,5159
7,6604	882,4	200	4,5	102,0207855	131,92661	38,896045	-90,10971	7,6604
7,8049	889,8	200	4,5	102,1831034	132,16869	38,653962	-90,35179	7,8049
7,9495	894,2	200	4,5	102,3425528	132,4065	38,416157	-90,5896	7,9495
8,094	905,8	200	5	102,4990206	132,63986	38,682799	-90,32296	8,094
8,2385	934,6	200	5	102,6527195	132,86909	38,453571	-90,55219	8,2385
8,3831	938,9	200	5	102,8038495	133,09448	38,228174	-90,77758	8,3831
8,5276	934,6	200	5	102,952293	133,31587	38,006783	-90,99897	8,5276
8,6722	951,3	200	5	103,0983423	133,53369	37,788963	-91,21679	8,6722
8,8167	949,9	200	5	103,2418778	133,74776	37,574893	-91,43086	8,8167
8,9612	929,1	200	5	103,38308	133,95835	37,364302	-91,64145	8,9612
9,1058	937,4	200	5	103,5221187	134,16572	37,156938	-91,84882	9,1058
9,2503	940,3	200	5	103,6588729	134,36968	36,952981	-92,05278	9,2503
9,3948	950,4	200	5	103,7935074	134,57047	36,752185	-92,25357	9,3948
9,5394	946,1	200	5	103,9261778	134,76834	36,554319	-92,45144	9,5394
9,6839	963,7	200	5	104,0567625	134,96309	36,359563	-92,64619	9,6839
9,8284	994	200	5	104,185413	135,15496	36,167692	-92,83806	9,8284
9,973	1033,5	200	5	104,312273	135,34416	35,978492	-93,02726	9,973
10,1175	1049,8	200	5	104,4372208	135,53051	35,792143	-93,21361	10,1175
10,2621	1032,6	200	5	104,5604814	135,71435	35,608311	-93,39745	10,2621
10,4066	1023,8	200	5	104,6819338	135,89548	35,427175	-93,57858	10,4066
10,5511	1008,6	200	5	104,8017114	136,07412	35,248537	-93,75722	10,5511
10,6957	975,4	200	5	104,9199408	136,25045	35,072208	-93,93355	10,6957

10,8402	951,2	200	5	105,0365025	136,42429	34,898367	-94,10739	10,8402
10,9847	954,6	200	5	105,1515206	136,59583	34,726827	-94,27893	10,9847
11,1293	975,5	200	5	105,2651136	136,76524	34,557413	-94,44834	11,1293
11,2738	991,4	200	5	105,3771631	136,93236	34,390301	-94,61546	11,2738
11,4183	1009,3	200	5	105,4877856	137,09734	34,225317	-94,78044	11,4183
11,5629	1038,1	200	5	105,597092	137,26036	34,062296	-94,94346	11,5629
11,7074	1055,1	200	5	105,7049657	137,42124	33,901412	-95,10434	11,7074
11,8519	1063,6	200	5	105,8115161	137,58016	33,742502	-95,26326	11,8519
11,9965	1072,1	200	5	105,9168477	137,73725	33,585409	-95,42035	11,9965
12,141	1088,6	200	5	106,0208458	137,89235	33,430305	-95,57545	12,141
12,2856	1131,1	200	5	106,123684	138,04573	33,27693	-95,72883	12,2856
12,4301	1177,2	200	5	106,225249	138,1972	33,125455	-95,8803	12,4301
12,5746	1169,9	200	5	106,3256402	138,34693	32,97573	-96,03003	12,5746
12,7192	1144,3	200	5	106,4249525	138,49504	32,827615	-96,17814	12,7192
12,8637	1121,2	200	5	106,5230746	138,64138	32,681274	-96,32448	12,8637
13,0082	1120,2	200	5	106,6201007	138,78609	32,536568	-96,46919	13,0082
13,1528	1172,3	200	5	106,7161209	138,92929	32,393363	-96,61239	13,1528
13,2973	1210,6	200	5	106,8110259	139,07084	32,25182	-96,75394	13,2973
13,4418	1161,2	200	5	106,9049052	139,21085	32,111807	-96,89395	13,4418
13,5864	1092,8	200	5	106,9978445	139,34946	31,973196	-97,03256	13,5864
13,7309	1075,4	200	5	107,0897367	139,48651	31,836147	-97,16961	13,7309
13,8755	1134,6	200	5	107,1807294	139,62222	31,70044	-97,30532	13,8755
14,02	1188,8	200	5	107,2707168	139,75643	31,566231	-97,43953	14,02
14,1645	1165,7	200	5	107,3597815	139,88926	31,433399	-97,57236	14,1645
14,3091	1131,9	200	5	107,4480029	140,02083	31,301824	-97,70393	14,3091
14,4536	1118,6	200	5	107,5352772	140,15099	31,171662	-97,83409	14,4536
14,5981	1098,7	200	5	107,6216833	140,27986	31,042795	-97,96296	14,5981
14,7427	1109	200	5	107,7072971	140,40755	30,91511	-98,09065	14,7427
14,8872	1140,4	200	5	107,792017	140,5339	30,788757	-98,217	14,8872
15,0317	1169,7	200	5	107,8759186	140,65903	30,663626	-98,34213	15,0317
15,1763	1198,5	200	5	107,9590746	140,78305	30,539606	-98,46615	15,1763
15,3208	1186,2	200	5	108,0413854	140,90581	30,416846	-98,58891	15,3208
15,4653	1139	200	5	108,1229236	141,02742	30,295239	-98,71052	15,4653
15,6099	1085,6	200	5	108,203759	141,14798	30,17468	-98,83108	15,6099
15,7544	1039,9	200	5	108,2837939	141,26734	30,055315	-98,95044	15,7544
15,899	1037,5	200	5	108,3631528	141,3857	29,936958	-99,0688	15,899
16,0435	1069,4	200	5	108,4417389	141,5029	29,819754	-99,186	16,0435
16,188	1113,3	200	5	108,5196205	141,61906	29,7036	-99,30216	16,188
16,3326	1172	200	5	108,5968631	141,73426	29,5884	-99,41736	16,3326
16,4771	1223,3	200	5	108,6733721	141,84836	29,474293	-99,53146	16,4771
16,6216	1260	200	5	108,7492131	141,96147	29,361183	-99,64457	16,6216
16,7662	1275,1	200	5	108,8244494	142,07368	29,248975	-99,75678	16,7662
16,9107	1272,5	200	5	108,8989883	142,18485	29,137806	-99,86795	16,9107
17,0552	1269	200	5	108,9728929	142,29507	29,027584	-99,97817	17,0552
17,1998	1264	200	5	109,0462245	142,40444	28,918216	-100,0875	17,1998
17,3443	1235,5	200	5	109,1188921	142,51282	28,809839	-100,1959	17,3443
17,4889	1216,7	200	5	109,1910065	142,62037	28,702287	-100,3035	17,4889
17,6334	1186,7	200	5	109,2624778	142,72696	28,595694	-100,4101	17,6334

17,7779	1163,7	200	5	109,3333658	142,83269	28,48997	-100,5158	17,7779
17,9225	1151,2	200	5	109,4037284	142,93763	28,385031	-100,6207	17,9225
18,067	1125,7	200	5	109,4734775	143,04165	28,281006	-100,7248	18,067
18,2115	1141,1	200	5	109,5426709	143,14485	28,17781	-100,8279	18,2115
18,3561	1166,7	200	5	109,6113649	143,2473	28,075359	-100,9304	18,3561
18,5006	1186,7	200	5	109,6794728	143,34887	27,973782	-101,032	18,5006
18,6451	1212,8	200	5	109,7470509	143,44966	27,872995	-101,1328	18,6451
18,7897	1224,4	200	5	109,8141535	143,54974	27,772917	-101,2328	18,7897
18,9342	1194,3	200	5	109,8806958	143,64898	27,673675	-101,3321	18,9342
19,0787	1149	200	5	109,9467322	143,74747	27,575188	-101,4306	19,0787
19,2233	1104,8	200	5	110,0123154	143,84528	27,477376	-101,5284	19,2233
19,3678	1144,4	200	5	110,0773624	143,94229	27,380364	-101,6254	19,3678
19,5124	1198,5	200	5	110,1419704	144,03865	27,284007	-101,7217	19,5124
19,6569	1245,9	200	5	110,2060571	144,13423	27,188427	-101,8173	19,6569
19,8014	1250,6	200	5	110,2696745	144,22911	27,093548	-101,9122	19,8014
19,946	1203,2	200	5	110,3328729	144,32336	26,999293	-102,0065	19,946
20,0905	1182	200	5	110,3955715	144,41687	26,905783	-102,1	20,0905
20,235	1206,3	200	5	110,4578207	144,50971	26,812944	-102,1928	20,235
20,3796	1201,2	200	5	110,5196697	144,60195	26,720702	-102,2851	20,3796
20,5241	1167,5	200	5	110,581039	144,69348	26,629175	-102,3766	20,5241
20,6686	1138,7	200	5	110,6419778	144,78437	26,53829	-102,4675	20,6686
20,8132	1124,9	200	5	110,7025337	144,87468	26,447976	-102,5578	20,8132
20,9577	1131,4	200	5	110,762629	144,96431	26,358349	-102,6474	20,9577
21,1022	1170,8	200	5	110,8223113	145,05332	26,269338	-102,7364	21,1022
21,2468	1232,2	200	5	110,8816272	145,14178	26,180874	-102,8249	21,2468
21,3913	1257,3	200	5	110,9405001	145,22959	26,09307	-102,9127	21,3913
21,5359	1258,8	200	5	110,9990171	145,31686	26,005797	-103	21,5359
21,6804	1254,6	200	5	111,0571024	145,40349	25,919168	-103,0866	21,6804
21,8249	1238,6	200	5	111,1148018	145,48954	25,833114	-103,1726	21,8249
21,9695	1253,8	200	5	111,17216	145,57509	25,747569	-103,2582	21,9695
22,114	1286,4	200	5	111,2291027	145,66001	25,662644	-103,3431	22,114
22,2585	1313,4	200	5	111,2856745	145,74438	25,578272	-103,4275	22,2585
22,4031	1316,4	200	5	111,3419189	145,82827	25,494389	-103,5114	22,4031
22,5476	1301,1	200	5	111,397763	145,91155	25,411102	-103,5947	22,5476
22,6921	1286,3	200	5	111,4532503	145,99431	25,328348	-103,6774	22,6921
22,8367	1269,5	200	5	111,5084235	146,07659	25,246062	-103,7597	22,8367
22,9812	1224,2	200	5	111,5632106	146,15831	25,164351	-103,8414	22,9812
23,1258	1194,3	200	5	111,6176919	146,23956	25,083097	-103,9227	23,1258
23,2703	1176,2	200	5	111,6717962	146,32025	25,002406	-104,0034	23,2703
23,4148	1143,4	200	5	111,7255656	146,40044	24,922213	-104,0835	23,4148
23,5594	1099,3	200	5	111,7790411	146,4802	24,842459	-104,1633	23,5594
23,7039	1062	200	5	111,8321527	146,55941	24,763248	-104,2425	23,7039
23,8484	1078,6	200	5	111,8849415	146,63814	24,684518	-104,3212	23,8484
23,993	1049,8	200	5	111,9374477	146,71645	24,60621	-104,3995	23,993
24,1375	1036	200	5	111,9896023	146,79423	24,528426	-104,4773	24,1375
24,282	1046,2	200	5	112,0414457	146,87155	24,451106	-104,5547	24,282
24,4266	1088,9	200	5	112,093017	146,94847	24,374192	-104,6316	24,4266
24,5711	1143,2	200	5	112,1442486	147,02487	24,297784	-104,708	24,5711

24,7156	1193	200	5	112,1951797	147,10083	24,221825	-104,7839	24,7156
24,8602	1219,6	200	5	112,2458489	147,1764	24,146256	-104,8595	24,8602
25,0047	1185,2	200	5	112,2961895	147,25148	24,071177	-104,9346	25,0047
25,1493	1117,1	200	5	112,3462746	147,32618	23,99648	-105,0093	25,1493
25,2938	1049,4	200	5	112,3960382	147,40039	23,922262	-105,0835	25,2938
25,4383	996,6	200	5	112,4455183	147,47419	23,848467	-105,1573	25,4383
25,5829	946,5	200	5	112,494752	147,54762	23,775039	-105,2307	25,5829
25,7274	898	200	5	112,5436745	147,62058	23,702075	-105,3037	25,7274
25,8719	870,3	200	5	112,5923231	147,69314	23,62952	-105,3762	25,8719
26,0165	881,2	200	5	112,640734	147,76534	23,557319	-105,4484	26,0165
26,161	914,2	200	5	112,6888434	147,83709	23,485569	-105,5202	26,161
26,3055	943	200	5	112,7366878	147,90844	23,414213	-105,5915	26,3055
26,4501	931,8	200	5	112,7843029	147,97946	23,343199	-105,6626	26,4501
26,5946	885,1	200	5	112,8316258	148,05004	23,272621	-105,7331	26,5946
26,7392	842,5	200	5	112,8787248	148,12028	23,202377	-105,8034	26,7392
26,8837	800,7	200	5	112,9255374	148,1901	23,13256	-105,8732	26,8837
27,0282	774,6	200	5	112,9720991	148,25954	23,063117	-105,9426	27,0282
27,1728	767,5	200	5	113,0184444	148,32866	22,993997	-106,0118	27,1728
27,3173	756,7	200	5	113,064512	148,39737	22,925292	-106,0805	27,3173
27,4618	776,4	200	5	113,1103366	148,46571	22,856948	-106,1488	27,4618
27,6064	780,1	200	5	113,1559521	148,53374	22,788917	-106,2168	27,6064
27,7509	752,4	200	5	113,201298	148,60137	22,721287	-106,2845	27,7509
27,8954	748,8	200	5	113,2464084	148,66865	22,654009	-106,3517	27,8954
28,04	747,5	200	5	113,2913168	148,73562	22,587032	-106,4187	28,04
28,1845	741,4	200	5	113,3359633	148,80221	22,520446	-106,4853	28,1845
28,329	740,7	200	5	113,3803815	148,86846	22,4542	-106,5516	28,329
28,4736	733	200	5	113,4246042	148,93441	22,388246	-106,6175	28,4736
28,6181	728,3	200	5	113,4685725	148,99999	22,322671	-106,6831	28,6181
28,7627	676,6	200	5	113,5123496	149,06528	22,257381	-106,7484	28,7627
28,9072	616,1	200	5	113,5558771	149,13019	22,192463	-106,8133	28,9072

Perfil Topográfico Estación Avila-5 200°



