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
0,145	2013,8	88,1	-5	67,56311662	83,500856	77,821801	-51,18396	0,145
0,2901	1975,3	126,6	-1	73,58671115	91,565152	73,757504	-55,24825	0,2901
0,4351	1969,6	132,3	1,5	77,10753824	96,826107	70,99655	-58,00921	0,4351
0,5801	1928	173,9	1,5	79,60581388	99,241858	68,580799	-60,42496	0,5801
0,7251	1869,7	200	1,5	81,54371468	101,38685	66,435808	-62,56995	0,7251
0,8702	1798,8	200	1	83,12813815	103,74988	63,572779	-65,43298	0,8702
1,0152	1712,8	200	0	84,46678875	105,74636	60,576299	-68,42946	1,0152
1,1602	1632,7	200	0	85,6264138	107,47584	58,846819	-70,15894	1,1602
1,3052	1550,7	200	-1	86,64929788	109,00138	56,321277	-72,68448	1,3052
1,4503	1511,9	200	0	87,56491351	110,36694	55,955716	-73,05004	1,4503
1,5953	1480,8	200	0	88,39260388	111,60137	54,721288	-74,28447	1,5953
1,7403	1438	200	0	89,14823898	112,72833	53,594324	-75,41143	1,7403
1,8853	1423,4	200	1	89,84336592	113,76505	53,557603	-75,44815	1,8853
2,0304	1430,4	200	1,5	90,48738867	114,72556	53,0971	-75,90866	2,0304
2,1754	1417,2	200	1,5	91,08653906	115,61914	52,203519	-76,80224	2,1754
2,3204	1380,6	200	1,5	91,64701371	116,45504	51,36762	-77,63814	2,3204
2,4654	1321,5	200	1,5	92,17350441	117,24025	50,582405	-78,42335	2,4654
2,6105	1240,2	200	1,5	92,67023052	117,98108	49,841582	-79,16418	2,6105
2,7555	1178,7	200	1	93,13976488	118,68134	48,641312	-80,36444	2,7555
2,9005	1120,6	200	1	93,58521397	119,34569	47,976964	-81,02879	2,9005
3,0455	1063,6	200	1	94,00892865	119,97763	47,34503	-81,66073	3,0455
3,1906	1014,3	200	1	94,41320379	120,58057	46,742089	-82,26367	3,1906
3,3356	960,6	200	1	94,79923588	121,1563	46,166356	-82,8394	3,3356
3,4806	942	200	1,5	95,16883889	121,70753	46,115125	-82,89063	3,4806
3,6256	939,6	200	1,5	95,52335434	122,23626	45,586396	-83,41936	3,6256
3,7707	937,2	200	1,5	95,86419619	122,7446	45,078061	-83,9277	3,7707

3,9157	937	200	1,5	96,19194479	123,2334	44,589252	-84,4165	3,9157
4,0607	949,2	200	2,5	96,50777468	123,70444	45,118219	-83,88754	4,0607
4,2057	948,3	200	3	96,81252238	124,15894	45,163715	-83,84204	4,2057
4,3508	952,4	200	3	97,10713897	124,59834	44,72432	-84,28144	4,3508
4,4958	961,9	200	3	97,39189623	125,02303	44,299629	-84,70613	4,4958
4,6408	955,9	200	3	97,66761362	125,43424	43,888421	-85,11734	4,6408
4,7859	954,4	200	3,5	97,93502897	125,83306	43,989594	-85,01616	4,7859
4,9309	954,8	200	3,5	98,19428047	126,21971	43,602943	-85,40281	4,9309
5,0759	957,9	200	3,5	98,44601772	126,59516	43,227499	-85,77826	5,0759
5,2209	961,6	200	3,5	98,69066407	126,96003	42,862631	-86,14313	5,2209
5,366	953,5	200	3,5	98,92876994	127,31514	42,507516	-86,49824	5,366
5,511	950,9	200	3,5	99,16036479	127,66054	42,162113	-86,84364	5,511
5,656	945,5	200	3,5	99,38594459	127,99698	41,82568	-87,18008	5,656
5,801	934,6	200	4	99,60581388	128,32489	41,997765	-87,00799	5,801
5,9461	925,1	200	4	99,82040075	128,64493	41,677727	-87,32803	5,9461
6,0911	922,5	200	4	100,0296712	128,95704	41,365618	-87,64014	6,0911
6,2361	924,6	200	4	100,234018	129,2618	41,060853	-87,9449	6,2361
6,3811	943,2	200	4	100,4336676	129,55956	40,763093	-88,24266	6,3811
6,5262	954,9	200	4	100,6289642	129,85083	40,471825	-88,53393	6,5262
6,6712	980,4	200	4	100,8198358	130,1355	40,187157	-88,8186	6,6712
6,8162	992,6	200	4,5	101,0066031	130,41405	40,40861	-88,59715	6,8162
6,9612	996,4	200	4,5	101,1894388	130,68673	40,135926	-88,86983	6,9612
7,1063	996,1	200	4,5	101,3686273	130,95397	39,868682	-89,13707	7,1063
7,2513	958,1	200	4,5	101,544074	131,21564	39,607019	-89,39874	7,2513
7,3963	938,3	200	4,5	101,7160469	131,47212	39,350536	-89,65522	7,3963
7,5413	927,6	200	4,5	101,8846809	131,72362	39,099033	-89,90672	7,5413
7,6864	914,6	200	4,5	102,0502162	131,9705	38,852152	-90,1536	7,6864
7,8314	905,5	200	4,5	102,2125447	132,2126	38,610053	-90,3957	7,8314
7,9764	904,5	200	4,5	102,3718951	132,45026	38,372396	-90,63336	7,9764
8,1214	904,3	200	5	102,5283746	132,68364	38,63902	-90,36674	8,1214
8,2665	902,2	200	5	102,68219	132,91304	38,409618	-90,59614	8,2665
8,4115	900,5	200	5	102,8332256	133,13829	38,184362	-90,82139	8,4115
8,5565	900	200	5	102,9816797	133,3597	37,962956	-91,0428	8,5565
8,7015	900,8	200	5	103,1276391	133,57739	37,74527	-91,26049	8,7015
8,8466	905	200	5	103,2712844	133,79162	37,531035	-91,47472	8,8466
8,9916	912,5	200	5	103,4124961	134,00223	37,32043	-91,68533	8,9916
9,1366	911,5	200	5	103,5514488	134,20946	37,113195	-91,89256	9,1366
9,2816	913,5	200	5	103,6882135	134,41343	36,909222	-92,09653	9,2816
9,4267	915,9	200	5	103,8229503	134,61438	36,708274	-92,29748	9,4267
9,5717	918,8	200	5	103,9555381	134,81213	36,510531	-92,49523	9,5717
9,7167	921,8	200	5	104,0861325	135,0069	36,315761	-92,69	9,7167
9,8618	921,9	200	5	104,2148804	135,19891	36,123744	-92,88201	9,8618
10,0068	927	200	5	104,341661	135,38799	35,934662	-93,07109	10,0068
10,1518	948,6	200	5	104,4666176	135,57436	35,7483	-93,25746	10,1518
10,2968	956,4	200	5	104,5898021	135,75808	35,564581	-93,44118	10,2968
10,4419	966,2	200	5	104,7113472	135,93935	35,383307	-93,62245	10,4419
10,5869	960,1	200	5	104,8311328	136,118	35,204658	-93,8011	10,5869
10,7319	954,4	200	5	104,9492889	136,29422	35,028438	-93,97732	10,7319

10,8769	980,5	200	5	105,0658593	136,46807	34,854584	-94,15117	10,8769
11,022	980,2	200	5	105,1809647	136,63974	34,682914	-94,32284	11,022
11,167	952,8	200	5	105,2944869	136,80905	34,513606	-94,49215	11,167
11,312	935,3	200	5	105,4065445	136,97618	34,346481	-94,65928	11,312
11,457	924,7	200	5	105,5171748	137,14117	34,181486	-94,82427	11,457
11,6021	923,3	200	5	105,6264887	137,3042	34,018454	-94,9873	11,6021
11,7471	926,3	200	5	105,7343699	137,4651	33,857558	-95,1482	11,7471
11,8921	930,4	200	5	105,8409276	137,62402	33,698637	-95,30712	11,8921
12,0371	928,4	200	5	105,9461939	137,78102	33,541641	-95,46412	12,0371
12,1822	924,3	200	5	106,0502711	137,93624	33,386419	-95,61934	12,1822
12,3272	921,6	200	5	106,1530454	138,08952	33,23314	-95,77262	12,3272
12,4722	920,3	200	5	106,2546179	138,241	33,081654	-95,9241	12,4722
12,6172	923	200	5	106,3550163	138,39074	32,931918	-96,07384	12,6172
12,7623	927,2	200	5	106,4543356	138,53886	32,783793	-96,22196	12,7623
12,9073	929	200	5	106,5524647	138,68522	32,637442	-96,36832	12,9073
13,0523	926,9	200	5	106,6494975	138,82993	32,492725	-96,51303	13,0523
13,1973	927,5	200	5	106,7454584	138,97305	32,349608	-96,65615	13,1973
13,3424	932,2	200	5	106,8404357	139,1147	32,207958	-96,7978	13,3424
13,4874	926,6	200	5	106,9343213	139,25472	32,067936	-96,93782	13,4874
13,6324	922,5	200	5	107,027203	139,39325	31,929411	-97,07635	13,6324
13,7774	923,1	200	5	107,1191019	139,53031	31,792352	-97,21341	13,7774
13,9225	924,2	200	5	107,2101011	139,66602	31,656634	-97,34912	13,9225
14,0675	928,4	200	5	107,300095	139,80024	31,522416	-97,48334	14,0675
14,2125	937,6	200	5	107,3891661	139,93308	31,389574	-97,61618	14,2125
14,3576	939,3	200	5	107,4773936	140,06467	31,257991	-97,74777	14,3576
14,5026	937,4	200	5	107,5646739	140,19484	31,12782	-97,87794	14,5026
14,6476	934,7	200	5	107,651086	140,32371	30,998944	-98,00681	14,6476
14,7926	933,1	200	5	107,7366468	140,45132	30,871337	-98,13442	14,7926
14,9377	936,6	200	5	107,8214312	140,57777	30,744889	-98,26087	14,9377
15,0827	939,3	200	5	107,9053384	140,70291	30,619748	-98,38601	15,0827
15,2277	941,2	200	5	107,9884428	140,82685	30,495806	-98,50995	15,2277
15,3727	941,3	200	5	108,0707596	140,94962	30,373037	-98,63272	15,3727
15,5178	949,5	200	5	108,1523596	141,07132	30,251338	-98,75442	15,5178
15,6628	958,2	200	5	108,2331446	141,1918	30,130854	-98,8749	15,6628
15,8078	953,2	200	5	108,3131852	141,31118	30,011481	-98,99428	15,8078
15,9528	970,5	200	5	108,392495	141,42946	29,893197	-99,11256	15,9528
16,0979	995,6	200	5	108,4711411	141,54675	29,775903	-99,22985	16,0979
16,2429	1034,3	200	5	108,549028	141,66291	29,659742	-99,34601	16,2429
16,3879	1076	200	5	108,6262227	141,77804	29,544613	-99,46114	16,3879
16,5329	1129,4	200	5	108,7027374	141,89216	29,430498	-99,57526	16,5329
16,678	1159,9	200	5	108,778636	142,00536	29,317301	-99,68846	16,678
16,823	1190,2	200	5	108,8538255	142,11749	29,205163	-99,80059	16,823
16,968	1219,8	200	5	108,9283697	142,22867	29,093987	-99,91177	16,968
17,113	1248,1	200	5	109,0022796	142,3389	28,983757	-100,022	17,113
17,2581	1272,9	200	5	109,0756162	142,44828	28,874381	-100,1314	17,2581
17,4031	1292,3	200	5	109,1482889	142,55666	28,765996	-100,2398	17,4031
17,5481	1302	200	5	109,2203586	142,66415	28,658511	-100,3472	17,5481
17,6931	1312,7	200	5	109,2918352	142,77075	28,55191	-100,4538	17,6931

17,8382	1299,3	200	5	109,3627772	142,87655	28,446106	-100,5597	17,8382
17,9832	1293,7	200	5	109,4330961	142,98143	28,341231	-100,6645	17,9832
18,1282	1285,6	200	5	109,5028503	143,08546	28,237199	-100,7686	18,1282
18,2732	1256,3	200	5	109,5720487	143,18866	28,133996	-100,8718	18,2732
18,4183	1266	200	5	109,6407474	143,29112	28,031537	-100,9742	18,4183
18,5633	1281	200	5	109,7088602	143,3927	27,929953	-101,0758	18,5633
18,7083	1307,2	200	5	109,7764431	143,4935	27,829159	-101,1766	18,7083
18,8534	1338	200	5	109,8435502	143,59358	27,729075	-101,2767	18,8534
18,9984	1344,5	200	5	109,9100971	143,69283	27,629826	-101,3759	18,9984
19,1434	1317,1	200	5	109,9761381	143,79133	27,531332	-101,4744	19,1434
19,2884	1289,1	200	5	110,0416806	143,88908	27,433581	-101,5722	19,2884
19,4335	1281,3	200	5	110,1067771	143,98616	27,336495	-101,6693	19,4335
19,5785	1262,2	200	5	110,1713449	144,08246	27,240198	-101,7656	19,5785
19,7235	1176,1	200	5	110,2354363	144,17805	27,144611	-101,8611	19,7235
19,8685	1108,4	200	5	110,2990582	144,27293	27,049724	-101,956	19,8685
20,0136	1107,1	200	5	110,3622609	144,36719	26,955463	-102,0503	20,0136
20,1586	1143	200	5	110,4249639	144,46071	26,861947	-102,1438	20,1586
20,3036	1173,9	200	5	110,4872175	144,55356	26,769101	-102,2367	20,3036
20,4486	1160	200	5	110,5490282	144,64574	26,676916	-102,3288	20,4486
20,5937	1132,7	200	5	110,6104442	144,73734	26,585319	-102,4204	20,5937
20,7387	1114,8	200	5	110,6713872	144,82823	26,494428	-102,5113	20,7387
20,8837	1071,7	200	5	110,7319055	144,91849	26,40417	-102,6016	20,8837
21,0287	1018,7	200	5	110,7920051	145,00812	26,314537	-102,6912	21,0287
21,1738	1012,8	200	5	110,8517327	145,0972	26,225459	-102,7803	21,1738
21,3188	1032,4	200	5	110,9110117	145,18561	26,137049	-102,8687	21,3188
21,4638	1045,4	200	5	110,9698888	145,27342	26,049239	-102,9565	21,4638
21,6088	1068,1	200	5	111,0283696	145,36064	25,96202	-103,0437	21,6088
21,7539	1081	200	5	111,0864991	145,44733	25,875325	-103,1304	21,7539
21,8989	1119,5	200	5	111,1442026	145,53339	25,789265	-103,2165	21,8989
22,0439	1163,1	200	5	111,2015252	145,61888	25,703774	-103,302	22,0439
22,1889	1200,7	200	5	111,258472	145,70381	25,618842	-103,3869	22,1889
22,334	1237,3	200	5	111,3150868	145,78825	25,534406	-103,4714	22,334
22,479	1269,7	200	5	111,3712963	145,87208	25,450575	-103,5552	22,479
22,624	1242,6	200	5	111,4271444	145,95537	25,367282	-103,6385	22,624
22,769	1226,2	200	5	111,4826357	146,03813	25,284522	-103,7212	22,769
22,9141	1229,5	200	5	111,5378127	146,12043	25,20223	-103,8035	22,9141
23,0591	1244,1	200	5	111,5926036	146,20214	25,120514	-103,8852	23,0591
23,2041	1265,3	200	5	111,6470511	146,28335	25,039311	-103,9664	23,2041
23,3491	1304,6	200	5	111,7011595	146,36404	24,958613	-104,0471	23,3491
23,4942	1338,1	200	5	111,7549698	146,4443	24,878359	-104,1274	23,4942
23,6392	1346,3	200	5	111,8084121	146,524	24,798655	-104,2071	23,6392
23,7842	1354,9	200	5	111,8615275	146,60322	24,719438	-104,2863	23,7842
23,9293	1367,9	200	5	111,9143565	146,68201	24,640648	-104,3651	23,9293
24,0743	1387,6	200	5	111,9668299	146,76027	24,562389	-104,4434	24,0743
24,2193	1408,9	200	5	112,0189883	146,83806	24,484599	-104,5212	24,2193
24,3643	1429,4	200	5	112,0708353	146,91538	24,407274	-104,5985	24,3643
24,5094	1440,3	200	5	112,1224102	146,9923	24,330354	-104,6754	24,5094
24,6544	1477,6	200	5	112,1736453	147,06872	24,253941	-104,7518	24,6544

24,7994	1517,4	200	5	112,22458	147,14468	24,177977	-104,8278	24,7994
24,9444	1530,1	200	5	112,2752178	147,2202	24,102455	-104,9033	24,9444
25,0895	1538,8	200	5	112,3255967	147,29534	24,027319	-104,9784	25,0895
25,2345	1561	200	5	112,3756507	147,36999	23,952668	-105,0531	25,2345
25,3795	1573,4	200	5	112,4254178	147,44421	23,878445	-105,1273	25,3795
25,5245	1580,2	200	5	112,4749014	147,51801	23,804644	-105,2011	25,5245
25,6696	1589,2	200	5	112,5241386	147,59145	23,731211	-105,2745	25,6696
25,8146	1603	200	5	112,5730646	147,66441	23,658243	-105,3475	25,8146
25,9596	1610,7	200	5	112,6217165	147,73697	23,585682	-105,4201	25,9596
26,1046	1633,2	200	5	112,6700974	147,80913	23,513526	-105,4922	26,1046
26,2497	1638	200	5	112,7182435	147,88094	23,441721	-105,564	26,2497
26,3947	1598,1	200	5	112,7660912	147,9523	23,37036	-105,6354	26,3947
26,5397	1581,3	200	5	112,8136768	148,02327	23,29939	-105,7064	26,5397
26,6847	1599,4	200	5	112,8610031	148,09385	23,228807	-105,7769	26,6847
26,8298	1609,2	200	5	112,9081053	148,1641	23,158559	-105,8472	26,8298
26,9748	1623,2	200	5	112,9549212	148,23392	23,088737	-105,917	26,9748
27,1198	1638,5	200	5	113,0014862	148,30337	23,019289	-105,9865	27,1198
27,2648	1639,3	200	5	113,0478029	148,37244	22,950212	-106,0555	27,2648
27,4099	1635,4	200	5	113,0939056	148,4412	22,881454	-106,1243	27,4099
27,5549	1624,7	200	5	113,1397334	148,50955	22,813105	-106,1927	27,5549
27,6999	1606	200	5	113,1853206	148,57754	22,745116	-106,2606	27,6999
27,8449	1592,2	200	5	113,2306698	148,64517	22,677482	-106,3283	27,8449
27,99	1578,5	200	5	113,2758145	148,7125	22,610152	-106,3956	27,99
28,135	1584,9	200	5	113,320695	148,77944	22,543217	-106,4625	28,135
28,28	1606,3	200	5	113,3653447	148,84603	22,476626	-106,5291	28,28
28,4251	1607,5	200	5	113,4097966	148,91233	22,41033	-106,5954	28,4251
28,5701	1611,2	200	5	113,4539918	148,97824	22,344416	-106,6613	28,5701
28,7151	1591,8	200	5	113,4979632	149,04382	22,278837	-106,7269	28,7151
28,8601	1593,5	200	5	113,5417132	149,10907	22,213588	-106,7922	28,8601
29,0052	1587	200	5	113,5852739	149,17404	22,148621	-106,8571	29,0052

Perfil Topográfico Estación Avila-5 240°