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
0,1463	2023,8	78,1	-3	67,6406431	84,062555	79,260101	-49,74566	0,1463
0,2927	1999,4	102,5	1	73,66421102	92,632688	74,689969	-54,31579	0,2927
0,439	1981,1	120,8	3	77,18504698	97,399565	71,923091	-57,08267	0,439
0,5854	1936,2	165,7	2,5	79,68481093	99,619198	69,203459	-59,8023	0,5854
0,7317	1888,3	200	2,5	81,62241767	101,50423	67,31843	-61,68733	0,7317
0,8781	1829	200	1,5	83,20663612	103,86695	63,955706	-65,05005	0,8781
1,0244	1768,2	183,9	1,5	84,54514797	106,36944	61,453218	-67,55254	1,0244
1,1707	1725,2	200	1,5	85,70466894	107,59255	60,230108	-68,77565	1,1707
1,3171	1689,3	200	1,5	86,72813157	109,11895	58,703703	-70,30205	1,3171
1,4634	1645,6	200	1,5	87,64301759	110,48343	57,339231	-71,66653	1,4634
1,6098	1609,6	200	1,5	88,47119503	111,71858	56,104076	-72,90168	1,6098
1,7561	1580,2	200	1,5	89,22674143	112,84541	54,977245	-74,02851	1,7561
1,9024	1532,6	200	1,5	89,92179332	113,88202	53,940636	-75,06512	1,9024
2,0488	1480,8	200	1,5	90,56574788	114,84242	52,980234	-76,02552	2,0488
2,1951	1466,5	200	2,5	91,16484277	115,73592	53,086736	-75,91902	2,1951
2,3415	1421,6	200	2,5	91,72563982	116,5723	52,250356	-76,7554	2,3415
2,4878	1360,3	200	1,5	92,25206584	117,35742	50,465238	-78,54052	2,4878
2,6342	1316,3	200	1,5	92,74873148	118,09815	49,724504	-79,28125	2,6342
2,7805	1272,1	200	1,5	93,21821456	118,79835	49,024311	-79,98145	2,7805
2,9268	1217,8	200	1,5	93,6636175	119,46263	48,360032	-80,64573	2,9268
3,0732	1154,7	200	1,5	94,08757306	120,09492	47,727739	-81,27802	3,0732
3,2195	1108,7	200	1,5	94,49152516	120,69738	47,12528	-81,88048	3,2195
3,3659	1077,1	200	1,5	94,87778075	121,27344	46,549213	-82,45654	3,3659
3,5122	1055,9	200	1,5	95,24734134	121,82461	45,998046	-83,00771	3,5122
3,6586	1040,6	200	2,5	95,60205517	122,35364	46,469021	-82,53674	3,6586
3,8049	1005,8	200	2,5	95,94262152	122,86156	45,961096	-83,04466	3,8049

3,9512	1012,2	200	3	96,27033684	123,35032	45,972337	-83,03342	3,9512
4,0976	1029,1	200	3	96,5863478	123,82162	45,501035	-83,50472	4,0976
4,2439	1026,6	200	3	96,89105941	124,27607	45,046584	-83,95917	4,2439
4,3903	1015	200	3	97,18564053	124,71541	44,607242	-84,39851	4,3903
4,5366	1017,7	200	3,5	97,47036634	125,14006	44,682598	-84,32316	4,5366
4,683	1023,6	200	3,5	97,74623973	125,5515	44,271157	-84,7346	4,683
4,8293	1021,5	200	3,5	98,01344027	125,95001	43,872651	-85,13311	4,8293
4,9756	1016,6	200	3,5	98,27266576	126,33662	43,486039	-85,51972	4,9756
5,122	1010,1	200	3,5	98,52454806	126,71228	43,110378	-85,89538	5,122
5,2683	1013,1	200	3,5	98,76916653	127,07711	42,745551	-86,26021	5,2683
5,4147	1007,8	200	4	99,00724457	127,43218	42,890478	-86,11528	5,4147
5,561	997,3	200	4	99,23881447	127,77754	42,545112	-86,46064	5,561
5,7073	986,5	200	4	99,4643706	128,11394	42,208715	-86,79704	5,7073
5,8537	977	200	4	99,6843658	128,44205	41,880611	-87,12515	5,8537
6	960,8	200	4	99,89878158	128,76183	41,560829	-87,44493	6
6,1464	949,8	200	4	100,108173	129,07412	41,24854	-87,75722	6,1464
6,2927	946,3	200	4	100,3124971	129,37885	40,943808	-88,06195	6,2927
6,4391	943,8	200	4	100,51226	129,67678	40,645879	-88,35988	6,4391
6,5854	945,5	200	4	100,7073998	129,96781	40,354845	-88,65091	6,5854
6,7317	951,6	200	4	100,8982516	130,25245	40,070207	-88,93555	6,7317
6,8781	951,5	200	4,5	101,0851263	130,53116	40,291499	-88,71426	6,8781
7,0244	945,2	200	4,5	101,2679413	130,80381	40,018847	-88,98691	7,0244
7,1708	947,9	200	4,5	101,4471088	131,07102	39,751634	-89,25412	7,1708
7,3171	949,6	200	4,5	101,6225364	131,33266	39,489999	-89,51576	7,3171
7,4635	953,2	200	4,5	101,7946073	131,58929	39,23337	-89,77239	7,4635
7,6098	959,2	200	4,5	101,9632214	131,84076	38,981897	-90,02386	7,6098
7,7561	981	200	5	102,1286246	132,08744	39,235213	-89,77054	7,7561
7,9025	993,4	200	5	102,2910467	132,32968	38,992974	-90,01278	7,9025
8,0488	1002,1	200	5	102,4503793	132,56731	38,755344	-90,25041	8,0488
8,1952	998,3	200	5	102,6069477	132,80082	38,521836	-90,48392	8,1952
8,3415	989,5	200	5	102,7606397	133,03004	38,292617	-90,71314	8,3415
8,4879	982,4	200	5	102,9117617	133,25542	38,067232	-90,93852	8,4879
8,6342	980,1	200	5	103,0601987	133,47681	37,845851	-91,15991	8,6342
8,7805	984,1	200	5	103,2061415	133,69447	37,62819	-91,37757	8,7805
8,9269	993,4	200	5	103,34977	133,90868	37,413981	-91,59178	8,9269
9,0732	992,2	200	5	103,4909663	134,11926	37,203399	-91,80236	9,0732
9,2196	989,7	200	5	103,6299982	134,32661	36,996045	-92,00971	9,2196
9,3659	996,2	200	5	103,7667469	134,53056	36,792096	-92,21366	9,3659
9,5122	1004,2	200	5	103,901376	134,73135	36,591309	-92,41445	9,5122
9,6586	1012,2	200	5	104,0340402	134,9292	36,393452	-92,6123	9,6586
9,8049	1025,3	200	5	104,1646199	135,12395	36,198703	-92,80705	9,8049
9,9513	1046,4	200	5	104,293353	135,31595	36,006709	-92,99905	9,9513
10,0976	1068,1	200	5	104,4201198	135,50501	35,817648	-93,18811	10,0976
10,244	1096,2	200	5	104,545148	135,69148	35,631179	-93,37458	10,244
10,3903	1143	200	5	104,6683183	135,87518	35,447481	-93,55828	10,3903
10,5366	1209,1	200	5	104,7897664	136,0563	35,266352	-93,7394	10,5366
10,683	1227,1	200	5	104,9096211	136,23506	35,087599	-93,91816	10,683
10,8293	1195,5	200	5	105,0277643	136,41126	34,911399	-94,09436	10,8293

10,9757	1180,5	200	5	105,1444011	136,58521	34,737445	-94,26831	10,9757
11,122	1174,4	200	5	105,2594144	136,75674	34,565913	-94,43984	11,122
11,2684	1179,2	200	5	105,3730017	136,92615	34,396508	-94,60925	11,2684
11,4147	1167,6	200	5	105,4850466	137,09325	34,229402	-94,77635	11,4147
11,561	1118,7	200	5	105,5956646	137,25823	34,064425	-94,94133	11,561
11,7074	1088,8	200	5	105,7049657	137,42124	33,901412	-95,10434	11,7074
11,8537	1068	200	5	105,8128352	137,58212	33,740534	-95,26522	11,8537
12,0001	1060,1	200	5	105,9194539	137,74113	33,581522	-95,42423	12,0001
12,1464	1089,2	200	5	106,0247082	137,89811	33,424544	-95,58121	12,1464
12,2928	1111,2	200	5	106,1287729	138,05332	33,269341	-95,73642	12,2928
12,4391	1098,5	200	5	106,2315358	138,20658	33,116079	-95,88968	12,4391
12,5854	1105	200	5	106,333097	138,35805	32,964609	-96,04115	12,5854
12,7318	1130,7	200	5	106,4335527	138,50787	32,814788	-96,19097	12,7318
12,8781	1157,8	200	5	106,5327924	138,65588	32,666781	-96,33898	12,8781
13,0245	1195,7	200	5	106,6309778	138,80231	32,520346	-96,48541	13,0245
13,1708	1250,4	200	5	106,7279997	138,94701	32,375646	-96,63011	13,1708
13,3171	1290,1	200	5	106,8239498	139,09011	32,232545	-96,77321	13,3171
13,4635	1300,8	200	5	106,9189161	139,23175	32,090911	-96,91485	13,4635
13,6098	1333,4	200	5	107,0127914	139,37175	31,950904	-97,05485	13,6098
13,7562	1349,6	200	5	107,1057262	139,51036	31,8123	-97,19346	13,7562
13,9025	1362,1	200	5	107,1976146	139,6474	31,675257	-97,3305	13,9025
14,0489	1370,3	200	5	107,288603	139,7831	31,539555	-97,4662	14,0489
14,1952	1394,2	200	5	107,3785869	139,9173	31,405352	-97,6004	14,1952
14,3415	1395,7	200	5	107,4676481	140,05013	31,272525	-97,73323	14,3415
14,4879	1379,2	200	5	107,5558654	140,1817	31,140957	-97,8648	14,4879
14,6342	1374,1	200	5	107,6431363	140,31186	31,0108	-97,99496	14,6342
14,7806	1373,1	200	5	107,7295979	140,44081	30,88185	-98,12391	14,7806
14,9269	1368,4	200	5	107,815149	140,5684	30,754258	-98,2515	14,9269
15,0733	1405,3	200	5	107,8999234	140,69483	30,627824	-98,37793	15,0733
15,2196	1448	200	5	107,9838213	140,81996	30,502698	-98,50306	15,2196
15,3659	1475,7	200	5	108,0669166	140,94389	30,378769	-98,62699	15,3659
15,5123	1479,6	200	5	108,1492805	141,06673	30,25593	-98,74983	15,5123
15,6586	1456,6	200	5	108,2308152	141,18833	30,134328	-98,87143	15,6586
15,805	1440,2	200	5	108,3116466	141,30888	30,013775	-98,99198	15,805
15,9513	1449,9	200	5	108,3916782	141,42824	29,894415	-99,11134	15,9513
16,0976	1479,1	200	5	108,4709792	141,54651	29,776145	-99,22961	16,0976
16,244	1501,4	200	5	108,5496162	141,66379	29,658864	-99,34689	16,244
16,3903	1479,8	200	5	108,6274946	141,77994	29,542716	-99,46304	16,3903
16,5367	1457,2	200	5	108,7047335	141,89514	29,42752	-99,57824	16,5367
16,683	1422	200	5	108,7812396	142,00924	29,313418	-99,69234	16,683
16,8294	1369,6	200	5	108,8571292	142,12242	29,200236	-99,80552	16,8294
16,9757	1325,9	200	5	108,9323104	142,23455	29,088109	-99,91765	16,9757
17,122	1305	200	5	109,0068464	142,34571	28,976945	-100,0288	17,122
17,2684	1311,3	200	5	109,0807986	142,456	28,866652	-100,1391	17,2684
17,4147	1291,7	200	5	109,1540765	142,56529	28,757365	-100,2484	17,4147
17,5611	1247,7	200	5	109,2267909	142,67374	28,648917	-100,3568	17,5611
17,7074	1265,2	200	5	109,2988525	142,78121	28,541444	-100,4643	17,7074
17,8538	1312,6	200	5	109,3703699	142,88787	28,434782	-100,571	17,8538

18,0001	1346,3	200	5	109,4412549	142,99359	28,329063	-100,6767	18,0001
18,1464	1339,3	200	5	109,5115662	143,09846	28,2242	-100,7816	18,1464
18,2928	1306,8	200	5	109,5813603	143,20255	28,120108	-100,8856	18,2928
18,4391	1292,7	200	5	109,650551	143,30574	28,016916	-100,9888	18,4391
18,5855	1308,6	200	5	109,7192416	143,40819	27,91447	-101,0913	18,5855
18,7318	1348,3	200	5	109,7873468	143,50976	27,812897	-101,1929	18,7318
18,8782	1375,2	200	5	109,8549682	143,61061	27,712046	-101,2937	18,8782
19,0245	1396,1	200	5	109,9220216	143,71062	27,612042	-101,3937	19,0245
19,1708	1434,5	200	5	109,9885613	143,80985	27,512803	-101,493	19,1708
19,3172	1476,1	200	5	110,0546401	143,9084	27,414253	-101,5915	19,3172
19,4635	1505,4	200	5	110,1201754	144,00614	27,316513	-101,6892	19,4635
19,6099	1527,8	200	5	110,1852642	144,10322	27,219438	-101,7863	19,6099
19,7562	1550,2	200	5	110,2498249	144,1995	27,123152	-101,8826	19,7562
19,9025	1557,7	200	5	110,3139092	144,29508	27,027575	-101,9782	19,9025
20,0489	1562,3	200	5	110,3775676	144,39002	26,932635	-102,0731	20,0489
20,1952	1573,3	200	5	110,4407197	144,48421	26,838449	-102,1673	20,1952
20,3416	1591,3	200	5	110,5034588	144,57778	26,744879	-102,2609	20,3416
20,4879	1631,7	200	5	110,5657055	144,67061	26,652043	-102,3537	20,4879
20,6343	1680	200	5	110,6275514	144,76285	26,559806	-102,446	20,6343
20,7806	1690,6	200	5	110,6889182	144,85437	26,468282	-102,5375	20,7806
20,9269	1636,9	200	5	110,7498546	144,94526	26,377401	-102,6284	20,9269
21,0733	1576,6	200	5	110,8104076	145,03557	26,287092	-102,7187	21,0733
21,2196	1518,9	200	5	110,8705004	145,12519	26,197468	-102,8083	21,2196
21,366	1472,5	200	5	110,9302211	145,21426	26,1084	-102,8974	21,366
21,5123	1443,2	200	5	110,9894935	145,30266	26,02	-102,9858	21,5123
21,6587	1427,5	200	5	111,0484043	145,39052	25,93214	-103,0736	21,6587
21,805	1408,3	200	5	111,1068784	145,47773	25,844931	-103,1608	21,805
21,9513	1402,5	200	5	111,1649615	145,56435	25,758305	-103,2475	21,9513
22,0977	1428,4	200	5	111,222698	145,65046	25,672196	-103,3336	22,0977
22,244	1489,5	200	5	111,2800143	145,73594	25,586714	-103,419	22,244
22,3904	1545,5	200	5	111,3369936	145,82092	25,501734	-103,504	22,3904
22,5367	1602,6	200	5	111,393563	145,90529	25,417366	-103,5884	22,5367
22,6831	1653,7	200	5	111,4498047	145,98917	25,333486	-103,6723	22,6831
22,8294	1666,1	200	5	111,5056465	146,07245	25,250203	-103,7556	22,8294
22,9757	1690,1	200	5	111,5611316	146,1552	25,167452	-103,8383	22,9757
23,1221	1734,7	200	5	111,6163021	146,23749	25,08517	-103,9206	23,1221
23,2684	1718,5	200	5	111,671087	146,31919	25,003463	-104,0023	23,2684
23,4148	1651,7	200	5	111,7255656	146,40044	24,922213	-104,0835	23,4148
23,5611	1596,7	200	5	111,7796678	146,48113	24,841524	-104,1642	23,5611
23,7074	1552,2	200	5	111,8334351	146,56132	24,761335	-104,2444	23,7074
23,8538	1531,7	200	5	111,886908	146,64107	24,681585	-104,3242	23,8538
24,0001	1492,5	200	5	111,9400176	146,72028	24,602377	-104,4034	24,0001
24,1465	1452	200	5	111,9928404	146,79906	24,523596	-104,4822	24,1465
24,2928	1397,6	200	5	112,0453081	146,87731	24,445345	-104,5604	24,2928
24,4392	1341	200	5	112,0974963	146,95515	24,367511	-104,6382	24,4392
24,5855	1294,2	200	5	112,1493375	147,03246	24,290194	-104,7156	24,5855
24,7318	1318,5	200	5	112,2008711	147,10932	24,213337	-104,7924	24,7318
24,8782	1362	200	5	112,2521357	147,18578	24,13688	-104,8689	24,8782

25,0245	1333,9	200	5	112,3030647	147,26173	24,060924	-104,9448	25,0245
25,1709	1301,5	200	5	112,3537315	147,3373	23,985359	-105,0204	25,1709
25,3172	1347,1	200	5	112,40407	147,41237	23,910283	-105,0955	25,3172
25,4636	1396	200	5	112,4541526	147,48707	23,835589	-105,1702	25,4636
25,6099	1415,6	200	5	112,5039142	147,56128	23,761374	-105,2444	25,6099
25,7562	1423,6	200	5	112,5533923	147,63507	23,687582	-105,3182	25,7562
25,9026	1439,6	200	5	112,6026238	147,7085	23,614158	-105,3916	25,9026
26,0489	1454,2	200	5	112,6515443	147,78146	23,541197	-105,4646	26,0489
26,1953	1426,7	200	5	112,7002241	147,85406	23,468595	-105,5372	26,1953
26,3416	1447,3	200	5	112,7485996	147,92621	23,396447	-105,6093	26,3416
26,488	1432,4	200	5	112,7967399	147,99801	23,32465	-105,6811	26,488
26,6343	1390,9	200	5	112,8445823	148,06936	23,253297	-105,7525	26,6343
26,7806	1399,4	200	5	112,8921626	148,14032	23,182336	-105,8234	26,7806
26,927	1419,5	200	5	112,939516	148,21094	23,111712	-105,894	26,927
27,0733	1456,2	200	5	112,9865805	148,28114	23,04152	-105,9642	27,0733
27,2197	1498	200	5	113,0334233	148,351	22,971658	-106,0341	27,2197
27,366	1566,1	200	5	113,079983	148,42044	22,902218	-106,1035	27,366
27,5123	1624,9	200	5	113,1262945	148,48951	22,833148	-106,1726	27,5123
27,6587	1691	200	5	113,1723918	148,55826	22,764398	-106,2414	27,6587
27,805	1733,8	200	5	113,2182146	148,6266	22,696058	-106,3097	27,805
27,9514	1714,5	200	5	113,2638279	148,69463	22,628029	-106,3777	27,9514
28,0977	1654,2	200	5	113,309172	148,76225	22,560403	-106,4454	28,0977
28,2441	1603,1	200	5	113,3543114	148,82958	22,493081	-106,5127	28,2441
28,3904	1557,2	200	5	113,3991868	148,8965	22,426153	-106,5796	28,3904
28,5367	1506,5	200	5	113,4438316	148,96309	22,35957	-106,6462	28,5367
28,6831	1466,3	200	5	113,4882783	149,02938	22,293281	-106,7125	28,6831
28,8294	1411,8	200	5	113,5324687	149,09528	22,227375	-106,7784	28,8294
28,9758	1369,2	200	5	113,5764653	149,1609	22,161758	-106,844	28,9758
29,1221	1323,9	200	5	113,6202103	149,22614	22,096516	-106,9092	29,1221
29,2685	1286,9	200	5	113,6637659	149,2911	22,031557	-106,9742	29,2685

Perfil Topográfico Estación Avila-5 250°