

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
0,1447	2038	63,9	-1	67,5451272	84,63251	80,690147	-48,31561	0,1447
0,2894	2022,8	79,1	3	73,56572711	93,634873	75,687783	-53,31797	0,2894
0,434	1997,6	104,3	3	77,08555116	97,974069	71,348588	-57,65717	0,434
0,5787	1948,4	153,5	3	79,58482622	99,874744	69,447913	-59,55784	0,5787
0,7234	1899,4	200	2,5	81,52332666	101,35644	67,466215	-61,53954	0,7234
0,8681	1849,6	200	2,5	83,1071517	103,71858	65,104078	-63,90168	0,8681
1,0128	1806,5	164,42857	2,5	84,44623043	106,8942	61,928454	-67,0773	1,0128
1,1575	1773,7	184,9	2,5	85,60617657	107,93101	60,89165	-68,11411	1,1575
1,3021	1746,6	200	3	86,62864335	108,97058	60,352081	-68,65368	1,3021
1,4468	1706,5	200	3	87,54392657	110,33564	58,987016	-70,01874	1,4468
1,5915	1658,1	200	2,5	88,37188943	111,57047	57,252182	-71,75357	1,5915
1,7362	1590,2	200	2,5	89,12775161	112,69778	56,124879	-72,88088	1,7362
1,8809	1521,1	200	1,5	89,8230707	113,73478	54,087872	-74,91788	1,8809
2,0256	1475,1	200	1,5	90,46683034	114,6949	53,12776	-75,878	2,0256
2,1702	1444,8	200	1,5	91,06575176	115,58814	52,234521	-76,77124	2,1702
2,3149	1423,9	200	2,5	91,62640127	116,42429	52,398362	-76,60739	2,3149
2,4596	1437,8	200	3	92,15304626	117,20974	52,112917	-76,89284	2,4596
2,6043	1427,1	200	3	92,64957679	117,95027	51,372385	-77,63337	2,6043
2,749	1396,7	200	3	93,11925137	118,65075	50,671906	-78,33385	2,749
2,8937	1362,7	200	3	93,56482666	119,31529	50,007369	-78,99839	2,8937
3,0383	1312,6	200	3	93,98836965	119,94696	49,375692	-79,63006	3,0383
3,183	1242	200	3	94,39248935	120,54967	48,772983	-80,23277	3,183
3,3277	1170,2	200	2,5	94,77863991	121,12558	47,697073	-81,30868	3,3277
3,4724	1117,3	200	2,5	95,14835152	121,67698	47,14568	-81,86008	3,4724
3,6171	1124,2	200	3	95,50296689	122,20585	47,116803	-81,88895	3,6171
3,7618	1177,8	200	3	95,84367062	122,71398	46,608673	-82,39708	3,7618

3,9064	1227,6	200	3,5	96,1712908	123,2026	46,620056	-82,3857	3,9064
4,0511	1274,6	200	3,5	96,48721585	123,67378	46,148881	-82,85688	4,0511
4,1958	1302,6	200	4	96,79205215	124,12841	46,194244	-82,81151	4,1958
4,3405	1261,6	200	4	97,08655178	124,56763	45,755024	-83,25073	4,3405
4,4852	1195,6	200	4	97,37139284	124,99245	45,330208	-83,67555	4,4852
4,6299	1132,6	200	3,5	97,64718879	125,40377	44,418883	-84,58687	4,6299
4,7745	1152,8	200	4	97,91431453	125,80217	44,520488	-84,48527	4,7745
4,9192	1231,4	200	4	98,17364617	126,18894	44,133718	-84,87204	4,9192
5,0639	1252,8	200	4	98,42545899	126,5645	43,758161	-85,2476	5,0639
5,2086	1216	200	4	98,67017671	126,92947	43,393186	-85,61257	5,2086
5,3533	1210,3	200	4,5	98,90818821	127,28444	43,538212	-85,46754	5,3533
5,498	1147	200	4	99,13985128	127,62995	42,692707	-86,31305	5,498
5,6426	1116,3	200	4	99,36534186	127,96625	42,356408	-86,64935	5,6426
5,7873	1074,7	200	4	99,58527649	128,29426	42,028394	-86,97736	5,7873
5,932	1059,4	200	4	99,79977942	128,61417	41,708482	-87,29727	5,932
6,0767	1037,7	200	4	100,0091125	128,92638	41,39628	-87,60948	6,0767
6,2214	1013,5	200	4	100,2135191	129,23123	41,091425	-87,91433	6,2214
6,3661	996	200	4	100,4132257	129,52908	40,79358	-88,21218	6,3661
6,5107	1005,1	200	4	100,6083103	129,82003	40,502629	-88,50313	6,5107
6,6554	999,4	200	4,5	100,7992398	130,10478	40,717874	-88,28788	6,6554
6,8001	1000,5	200	4,5	100,9860626	130,38341	40,439244	-88,56651	6,8001
6,9448	997,3	200	4,5	101,1689514	130,65618	40,166481	-88,83928	6,9448
7,0895	985,8	200	4,5	101,3480687	130,92331	39,899344	-89,10641	7,0895
7,2342	970,4	200	4,5	101,5235668	131,18505	39,637604	-89,36815	7,2342
7,3788	963,9	200	4,5	101,6954714	131,44143	39,381223	-89,62453	7,3788
7,5235	947,9	200	4,5	101,8641551	131,69301	39,129646	-89,87611	7,5235
7,6682	939,6	200	4,5	102,0296252	131,9398	38,882862	-90,12289	7,6682
7,8129	962,1	200	5	102,1920019	132,18197	39,140691	-89,86507	7,8129
7,9576	980,5	200	5	102,3513987	132,41969	38,902965	-90,10279	7,9576
8,1023	994,1	200	5	102,507923	132,65313	38,669522	-90,33623	8,1023
8,2469	998,4	200	5	102,6615711	132,88229	38,440369	-90,56539	8,2469
8,3916	987,8	200	5	102,8126521	133,10761	38,215045	-90,79071	8,3916
8,5363	981,5	200	5	102,96115	133,32908	37,993574	-91,01218	8,5363
8,681	977,3	200	5	103,1071517	133,54683	37,775825	-91,22993	8,681
8,8257	984,5	200	5	103,2507398	133,76098	37,561676	-91,44408	8,8257
8,9704	997,6	200	5	103,3919928	133,97165	37,351009	-91,65475	8,9704
9,115	1013,5	200	5	103,53089	134,1788	37,143856	-91,8619	9,115
9,2597	1027	200	5	103,6676949	134,38283	36,939824	-92,06593	9,2597
9,4044	1026	200	5	103,8023784	134,5837	36,738955	-92,2668	9,4044
9,5491	1026	200	5	103,9350054	134,7815	36,541153	-92,4646	9,5491
9,6938	1024,5	200	5	104,0656377	134,97633	36,346327	-92,65943	9,6938
9,8385	1022,1	200	5	104,1943344	135,16827	36,154387	-92,85137	9,8385
9,9831	996,6	200	5	104,321065	135,35728	35,965379	-93,04038	9,9831
10,1278	950,1	200	5	104,4460589	135,54369	35,778962	-93,22679	10,1278
10,2725	902,1	200	5	104,5692796	135,72747	35,595189	-93,41057	10,2725
10,4172	864	200	5	104,6907766	135,90867	35,413987	-93,59177	10,4172
10,5619	845,7	200	5	104,8105976	136,08737	35,235284	-93,77047	10,5619
10,7066	853,4	200	5	104,9287881	136,26364	35,059013	-93,94674	10,7066

10,8512	889,2	200	5	105,0453119	136,43743	34,885228	-94,12053	10,8512
10,9959	929,4	200	5	105,1603722	136,60903	34,713626	-94,29213	10,9959
11,1406	915,4	200	5	105,2739282	136,77839	34,544267	-94,46149	11,1406
11,2853	860	200	5	105,3860187	136,94556	34,377094	-94,62866	11,2853
11,43	824,5	200	5	105,4966812	137,11061	34,21205	-94,79371	11,43
11,5747	794	200	5	105,6059514	137,27357	34,049083	-94,95667	11,5747
11,7193	754,5	200	5	105,71379	137,43441	33,888252	-95,11751	11,7193
11,864	727,9	200	5	105,8203793	137,59337	33,729283	-95,27647	11,864
12,0087	743,3	200	5	105,9256765	137,75042	33,572241	-95,43352	12,0087
12,1534	757,3	200	5	106,0297124	137,90558	33,417081	-95,58868	12,1534
12,2981	761,3	200	5	106,132517	138,0589	33,263757	-95,742	12,2981
12,4428	757,9	200	5	106,234119	138,21043	33,112226	-95,89353	12,4428
12,5874	741,9	200	5	106,3344772	138,36011	32,962551	-96,04321	12,5874
12,7321	753,7	200	5	106,4337574	138,50817	32,814483	-96,19127	12,7321
12,8768	799	200	5	106,5319156	138,65457	32,668089	-96,33767	12,8768
13,0215	858,8	200	5	106,6289769	138,79933	32,52333	-96,48243	13,0215
13,1662	895,4	200	5	106,7249655	138,94249	32,380172	-96,62559	13,1662
13,3109	912	200	5	106,819905	139,08408	32,238578	-96,76718	13,3109
13,4555	906,9	200	5	106,9137534	139,22405	32,098611	-96,90715	13,4555
13,6002	909,1	200	5	107,0066625	139,36261	31,960045	-97,04571	13,6002
13,7449	931,5	200	5	107,0985883	139,49971	31,822946	-97,18281	13,7449
13,8896	964,1	200	5	107,1895514	139,63537	31,687282	-97,31847	13,8896
14,0343	1048,1	200	5	107,2795717	139,76963	31,553025	-97,45273	14,0343
14,179	1098,3	200	5	107,3686686	139,90251	31,420145	-97,58561	14,179
14,3236	1128,4	200	5	107,4568003	140,03395	31,288704	-97,71705	14,3236
14,4683	1165	200	5	107,5441067	140,16416	31,158494	-97,84726	14,4683
14,613	1198,4	200	5	107,6305443	140,29308	31,02958	-97,97618	14,613
14,7577	1228,5	200	5	107,7161301	140,42072	30,901936	-98,10382	14,7577
14,9024	1216,2	200	5	107,8008809	140,54712	30,775538	-98,23022	14,9024
15,0471	1193,6	200	5	107,8848127	140,6723	30,650361	-98,3554	15,0471
15,1917	1169,5	200	5	107,9678841	140,79619	30,526467	-98,47929	15,1917
15,3364	1148,5	200	5	108,0502251	140,91899	30,403663	-98,60209	15,3364
15,4811	1156	200	5	108,1317929	141,04065	30,282011	-98,72375	15,4811
15,6258	1153,6	200	5	108,2126018	141,16116	30,161492	-98,84426	15,6258
15,7705	1144,7	200	5	108,2926658	141,28057	30,042083	-98,96367	15,7705
15,9152	1154,1	200	5	108,3719986	141,39889	29,923766	-99,08199	15,9152
16,0598	1193	200	5	108,4505592	141,51606	29,806599	-99,19916	16,0598
16,2045	1236,4	200	5	108,5284693	141,63225	29,690403	-99,31535	16,2045
16,3492	1241,2	200	5	108,6056867	141,74742	29,57524	-99,43052	16,3492
16,4939	1236,9	200	5	108,6822237	141,86156	29,461092	-99,54466	16,4939
16,6386	1236,1	200	5	108,7580922	141,97472	29,347941	-99,65782	16,6386
16,7833	1243,1	200	5	108,8333037	142,08689	29,235769	-99,76999	16,7833
16,9279	1249,1	200	5	108,9078183	142,19802	29,124637	-99,88112	16,9279
17,0726	1270,4	200	5	108,9817499	142,30828	29,014375	-99,99138	17,0726
17,2173	1294	200	5	109,0550575	142,41761	28,905043	-100,1007	17,2173
17,362	1286,3	200	5	109,1277516	142,52603	28,796626	-100,2091	17,362
17,5067	1239,2	200	5	109,1998424	142,63355	28,689109	-100,3166	17,5067
17,6514	1201,7	200	5	109,2713397	142,74018	28,582477	-100,4233	17,6514

17,796	1222,1	200	5	109,3422045	142,84587	28,476788	-100,529	17,796
17,9407	1225,9	200	5	109,4125443	142,95077	28,371883	-100,6339	17,9407
18,0854	1162,1	200	5	109,4823189	143,05484	28,26782	-100,7379	18,0854
18,2301	1077,5	200	5	109,5515376	143,15807	28,164586	-100,8412	18,2301
18,3748	1043,4	200	5	109,620209	143,26049	28,062169	-100,9436	18,3748
18,5195	1046,6	200	5	109,6883417	143,3621	27,960555	-101,0452	18,5195
18,6641	1021,2	200	5	109,7558976	143,46286	27,859801	-101,146	18,6641
18,8088	1003,7	200	5	109,8229783	143,5629	27,759756	-101,246	18,8088
18,9535	1053,1	200	5	109,889545	143,66218	27,660478	-101,3453	18,9535
19,0982	1089,9	200	5	109,9556053	143,7607	27,561954	-101,4438	19,0982
19,2429	1118,4	200	5	110,021167	143,85848	27,464175	-101,5416	19,2429
19,3876	1168,6	200	5	110,0862376	143,95553	27,367128	-101,6386	19,3876
19,5322	1213	200	5	110,1507798	144,05179	27,270869	-101,7349	19,5322
19,6769	1252,8	200	5	110,2148901	144,1474	27,175254	-101,8305	19,6769
19,8216	1283	200	5	110,2785307	144,24232	27,080339	-101,9254	19,8216
19,9663	1313,9	200	5	110,3417084	144,33654	26,986115	-102,0196	19,9663
20,111	1353,3	200	5	110,4044299	144,43008	26,892572	-102,1132	20,111
20,2557	1385,8	200	5	110,4667017	144,52296	26,799699	-102,2061	20,2557
20,4003	1436,2	200	5	110,5284877	144,61511	26,70755	-102,2982	20,4003
20,545	1491,2	200	5	110,5898795	144,70667	26,61599	-102,3898	20,545
20,6897	1509,9	200	5	110,6508404	144,79758	26,525072	-102,4807	20,6897
20,8344	1488,4	200	5	110,7113765	144,88787	26,434788	-102,571	20,8344
20,9791	1459,2	200	5	110,7714936	144,97753	26,345128	-102,6606	20,9791
21,1238	1432,7	200	5	110,8311975	145,06657	26,256085	-102,7497	21,1238
21,2684	1411,1	200	5	110,890453	145,15495	26,167711	-102,838	21,2684
21,4131	1380,5	200	5	110,9493475	145,24278	26,079875	-102,9259	21,4131
21,5578	1362,3	200	5	111,0078453	145,33003	25,99263	-103,0131	21,5578
21,7025	1356,1	200	5	111,0659519	145,41669	25,905969	-103,0998	21,7025
21,8472	1343,5	200	5	111,1236723	145,50277	25,819885	-103,1859	21,8472
21,9919	1315,8	200	5	111,1810116	145,58829	25,734368	-103,2714	21,9919
22,1365	1298,4	200	5	111,2379357	145,67319	25,649471	-103,3563	22,1365
22,2812	1325,3	200	5	111,2945281	145,75759	25,565068	-103,4407	22,2812
22,4259	1366,6	200	5	111,3507542	145,84144	25,481212	-103,5245	22,4259
22,5706	1399,8	200	5	111,4066187	145,92476	25,397895	-103,6079	22,5706
22,7153	1431,5	200	5	111,4621261	146,00755	25,31511	-103,6906	22,7153
22,86	1462,7	200	5	111,5172811	146,08981	25,232851	-103,7729	22,86
23,0046	1489,3	200	5	111,5720503	146,17149	25,151168	-103,8546	23,0046
23,1493	1514,6	200	5	111,6265138	146,25272	25,06994	-103,9358	23,1493
23,294	1532,7	200	5	111,680638	146,33344	24,989219	-104,0165	23,294
23,4387	1538,3	200	5	111,734427	146,41366	24,908997	-104,0968	23,4387
23,5834	1546,3	200	5	111,7878849	146,49339	24,829269	-104,1765	23,5834
23,7281	1543,8	200	5	111,8410159	146,57263	24,750029	-104,2557	23,7281
23,8727	1535,2	200	5	111,8937874	146,65133	24,671325	-104,3344	23,8727
24,0174	1537,2	200	5	111,9462764	146,72961	24,593042	-104,4127	24,0174
24,1621	1536,6	200	5	111,9984501	146,80743	24,51523	-104,4905	24,1621
24,3068	1550,2	200	5	112,0503123	146,88477	24,437882	-104,5679	24,3068
24,4515	1583,1	200	5	112,1018667	146,96166	24,360993	-104,6448	24,4515
24,5962	1615	200	5	112,1531169	147,0381	24,284558	-104,7212	24,5962

24,7408	1649,7	200	5	112,2040313	147,11403	24,208623	-104,7971	24,7408
24,8855	1707,1	200	5	112,254684	147,18958	24,133079	-104,8727	24,8855
25,0302	1758,3	200	5	112,305043	147,26468	24,057973	-104,9478	25,0302
25,1749	1806	200	5	112,3551117	147,33936	23,9833	-105,0225	25,1749
25,3196	1851,7	200	5	112,4048934	147,4136	23,909055	-105,0967	25,3196
25,4643	1893,2	200	5	112,4543914	147,48742	23,835233	-105,1705	25,4643
25,6089	1918,6	200	5	112,5035751	147,56078	23,76188	-105,2439	25,6089
25,7536	1910,1	200	5	112,5525155	147,63377	23,68889	-105,3169	25,7536
25,8983	1867	200	5	112,6011817	147,70635	23,616308	-105,3894	25,8983
26,043	1805,7	200	5	112,6495768	147,77853	23,544131	-105,4616	26,043
26,1877	1745,7	200	5	112,6977037	147,8503	23,472354	-105,5334	26,1877
26,3324	1702,4	200	5	112,7455654	147,92168	23,400973	-105,6048	26,3324
26,477	1668,3	200	5	112,7931321	147,99263	23,330031	-105,6757	26,477
26,6217	1621,2	200	5	112,8404723	148,06323	23,259427	-105,7463	26,6217
26,7664	1619,1	200	5	112,8875558	148,13345	23,189206	-105,8166	26,7664
26,9111	1650,2	200	5	112,9343856	148,20329	23,119364	-105,8864	26,9111
27,0558	1666,8	200	5	112,9809642	148,27276	23,049896	-105,9559	27,0558
27,2005	1657,2	200	5	113,0272943	148,34186	22,980799	-106,025	27,2005
27,3451	1631,6	200	5	113,0733469	148,41054	22,912115	-106,0936	27,3451
27,4898	1660,9	200	5	113,1191882	148,47891	22,843747	-106,162	27,4898
27,6345	1698,3	200	5	113,1647888	148,54692	22,775737	-106,23	27,6345
27,7792	1731,7	200	5	113,2101513	148,61457	22,708083	-106,2977	27,7792
27,9239	1743,1	200	5	113,2552781	148,68188	22,640781	-106,365	27,9239
28,0686	1749,2	200	5	113,3001716	148,74883	22,573826	-106,4319	28,0686
28,2132	1738,2	200	5	113,3448035	148,8154	22,507261	-106,4985	28,2132
28,3579	1684,3	200	5	113,3892379	148,88167	22,440991	-106,5648	28,3579
28,5026	1626,6	200	5	113,4334461	148,9476	22,375059	-106,6307	28,5026
28,6473	1605,5	200	5	113,4774305	149,0132	22,30946	-106,6963	28,6473
28,792	1567	200	5	113,5211932	149,07847	22,244191	-106,7616	28,792
28,9367	1522,9	200	5	113,5647366	149,14341	22,17925	-106,8265	28,9367

Perfil Topográfico Estación Avila-5 260°



